DEPARTMENT OF PUBLIC WORKS

LORENZI PARK RENOVATION
PHASE 2

Bid No: 10.15341.04

June 18, 2010

Mr. Clair Lewis
City of Las Vegas
Department of Public Works
400 Stewart Avenue, 4th Floor
Las Vegas, Nevada 89101

RE: SDR-38236 - ADMINISTRATIVE SITE DEVELOPMENT PLAN REVIEW
PLANNING COMMISSION MEETING OF JUNE 24, 2010

Dear Mr. Lewis:

Your request for a Minor Site Development Plan Review FOR THE PROPOSED RENOVATION OF AN EXISTING PUBLIC PARK on 58.37 acres at 3333 West Washington Avenue (APN 139-20-301-003), C-V (Civic) Zone, Ward 5 (Barlow), has been considered administratively by the Planning and Development Department staff.

The Planning and Development Department staff has administratively APPROVED your request subject to:

Planning and Development

1. This approval shall be void two years from the date of final approval, unless a building permit has been issued for the principal building on the site. An Extension of Time may be filed for consideration by the City of Las Vegas.
2. All development shall be in conformance with the site plan, landscape plan, and building elevations, date stamped 05/10/10, except as amended by conditions herein.
3. Prior to occupancy, all necessary building permits shall be obtained and final inspections shall be completed in compliance with Title 19 and all codes as required by the Building and Safety Department.
4. These Conditions of Approval shall be affixed to the cover sheet of the plan set submitted for building permit.
5. A technical landscape plan, signed and sealed by a Registered Architect, Landscape Architect, Residential Designer or Civil Engineer, must be submitted prior to or at the same time application is made for a building permit. A permanent underground sprinkler system is required, and shall be permanently maintained in a satisfactory manner; the landscape plan shall include irrigation specifications.
6. All utility boxes exceeding 27 cubic feet in size shall meet the standards of LVMC Title 19.12.040.
7. Parking lot lighting standards shall be no more than 30 feet in height and shall utilize downward-directed lights with full cut-off luminaries. Lighting on the exterior of buildings shall be shielded and shall be downward-directed. Non-residential property lighting shall be directed away from residential property or screened, and shall not create fugitive lighting on adjacent properties.
8. A fully operational fire protection system, including fire apparatus roads, fire hydrants and water supply, shall be installed and shall be functioning prior to construction of any combustible structures.
9. All City Code requirements and design standards of all City Departments must be satisfied, except as modified herein.

Public Works

10. An update to the previously approved Drainage Plan and Technical Drainage Study or other information acceptable to the Flood Control Section must be submitted to and approved by the Department of Public Works prior to issuance of any building or grading permits. Provide and improve all drainageways recommended in the approved drainage plan/study.
11. Site development to comply with all applicable conditions of approval for Site Development Plan Review SDR-19625 and all other subsequent site-related actions.

This action by the Planning and Development Department staff on June 18, 2010 is final unless a written appeal is filed with the Director of Planning and Development Department within ten days of the date of this letter.

Sincerely,

Steve Gebeke, AICP
Planning Supervisor
Case Planning Division

SG:cb

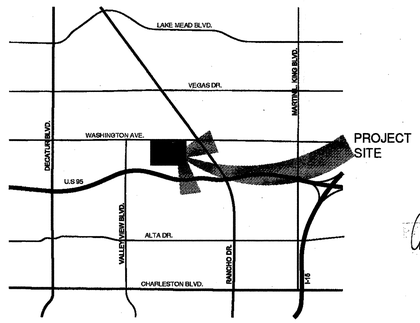
cc: Mr. Chris Langham
JW Zunino & Associates
3191 South Jones Boulevard
Las Vegas, Nevada 89146

CITY OF LAS VEGAS NEVADA

100% CONSTRUCTION DOCUMENTS

VOLUME 2

RECORD
AS-BUILT



VICINITY MAP
NTS

Revisions - Park Renovation 11.45.11

THESE PLANS WERE CHECKED UNDER THE 2006 IBC/IRC, 2006 UPC AND UMC AND THE 2005 NEC

APPROVED BY: DATE:

DAVID T. LOGE, MBA, AIA, PROJECT MANAGER — 6/27/11

REVISIONS
JUL 12 2011
CITY OF LAS VEGAS
BUILDING DEPT.

42307.C.111

LANDSCAPE ARCHITECT

JW ZUNINO LANDSCAPE ARCHITECTURE

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Las Vegas, Nevada 89135

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J W Z U N I N O
LANDSCAPE ARCHITECTURE

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LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
VOLUME 2 COVER SHEET

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. ZUNINO
6-24-11
Expires: 6/2012
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-3232
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DRAWN	ME
FILE	06-CV.DWG
DATE	6/27/2011
SCALE	N/A
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	CV-2

DEPARTMENT OF PUBLIC WORKS

VOLUME 1 SHEET INDEX

CV-1	VOLUME 1 COVER SHEET
SI-1	SHEET INDEX
G1.00	OVERALL ADDITIVE ALTERNATE PLAN
G2.00	DEFFERED SUBMITTAL PLAN
G2.00A	ALTERNATE 'A' DEFFERED SUBMITTAL PLAN
C1.01	ABBREVIATIONS, LEGEND, BASIS OF BEARING, BENCHMARK, AND VICINITY MAP
C1.02	GENERAL NOTES
C1.03	SURVEY MONUMENTATION PLAN
C2.01-C2.06	REMOVAL PLAN
C2.06C	REMOVAL PLAN ALTERNATIVE C
C2.07	REMOVAL PLAN
C2.07B	REMOVAL PLAN ALTERNATIVE B
C2.08	REMOVAL PLAN
C2.08C	REMOVAL PLAN ALTERNATIVE C
C2.09	REMOVAL PLAN
C2.09B	REMOVAL PLAN ALTERNATIVE B
C2.10	REMOVAL PLAN
C2.10B	REMOVAL PLAN ALTERNATIVE B
C3.01-3.06	CONSTRUCTION PLAN
C3.06A	CONSTRUCTION PLAN ALTERNATIVE A
C3.06C	CONSTRUCTION PLAN ALTERNATIVE C
C3.07	CONSTRUCTION PLAN
C3.07A	CONSTRUCTION PLAN ALTERNATIVE A
C3.07B	CONSTRUCTION PLAN ALTERNATIVE B
C3.08	CONSTRUCTION PLAN
C3.08C	CONSTRUCTION PLAN ALTERNATIVE C
C3.09	CONSTRUCTION PLAN
C3.09B	CONSTRUCTION PLAN ALTERNATIVE B
C3.10	CONSTRUCTION PLAN
C3.10B	CONSTRUCTION PLAN ALTERNATIVE B
C3.11	ON-SITE CONSTRUCTION PLAN CURVE TABLE
C3.12	ON-SITE CONSTRUCTION PLAN LINE TABLE
C3.13	FIRE ACCESS ROAD PLAN AND PROFILE
C3.14	CONSTRUCTION DETAILS
C3.15	STRIPING DETAILS
C3.16	POST-TENSION CONCRETE SLAB NOTES AND DETAILS
C3.17	POST-TENSION SLAB PLAN
C3.18	CONSTRUCTION DETAILS
C3.19	TOT-LOT CONSTRUCTION DETAIL
C3.19A	TOT-LOT CONSTRUCTION DETAIL ALTERNATE A
C3.20-C3.24	CONSTRUCTION DETAILS
C4.01-C4.06	GRADING PLAN
C4.06C	GRADING PLAN ALTERNATIVE C
C4.07	GRADING PLAN
C4.07A	GRADING PLAN ALTERNATIVE A
C4.07B	GRADING PLAN ALTERNATIVE B
C4.08	GRADING PLAN
C4.08C	GRADING PLAN ALTERNATIVE C
C4.09	GRADING PLAN
C4.09B	GRADING PLAN ALTERNATIVE B
C4.10	GRADING PLAN
C4.10B	GRADING PLAN ALTERNATIVE B
C4.11	TOT-LOT GRADING DETAIL
C4.12	GRADING DETAILS
C4.13-C4.18	RETAINING WALL PROFILES
C4.19C	RETAINING WALL PROFILES ALTERNATE C
C5.01-C5.07	UTILITY PLAN
C5.07B	UTILITY PLAN ALTERNATIVE B
C5.08-C5.09	UTILITY PLAN
C5.09B	UTILITY PLAN ALTERNATIVE B
C5.10	UTILITY PLAN
C5.11-C5.12	SANITARY SEWER PLAN AND PROFILE
E61	ELECTRICAL LEGENDS, NOTES AND INDEX
E62-E65	ELECTRICAL ONELINE AND SCHEDULES
E66	ELECTRICAL DETAILS GAZEBO
E67-E611	ELECTRICAL DETAILS
ED0	ELECTRICAL DEMOLITION OVERALL PLAN
ED1-ED8	ELECTRICAL DEMOLITION PLAN
EP0	ELECTRICAL PHOTOMETRIC PLAN - OVERALL
EP1-EP3	ELECTRICAL PHOTOMETRIC PLAN
EP3A	ELECTRICAL PHOTOMETRIC PLAN - ALTERNATE 'A'
EP4-EP8	ELECTRICAL PHOTOMETRIC PLAN
ES0	ELECTRICAL SITE OVERALL PLAN
ES1-ES3	ELECTRICAL SITE PLAN
ES3A	ELECTRICAL SITE PLAN - ALTERNATE 'A'
ES4-ES6	ELECTRICAL SITE PLAN
ES6A	ELECTRICAL SITE PLAN - ALTERNATE 'A'
ES7	ELECTRICAL SITE PLAN
ES7C	ELECTRICAL SITE PLAN - ALTERNATE 'C'
ES8	ELECTRICAL SITE PLAN
ES8B	ELECTRICAL SITE PLAN - ALTERNATE 'B'

NV ENERGY
1 OF 2
2 OF 2

CENTURY LINK
-
-
-

VOLUME 1 SHEET INDEX

S1.01	COVER SHEET
S1.02-S1.03	GENERAL NOTES
S2.01-S2.06	PARTIAL PLAN
S2.06C	PARTIAL PLAN
S2.07-S2.08	PARTIAL PLAN
S2.08C	PARTIAL PLAN
S2.09-S2.10	PARTIAL PLAN
S6.01-S6.03	SECTIONS AND DETAILS

PEDESTRIAN BRIDGES

SB0.0	GENERAL STRUCTURAL NOTES
SB0.1	DETAILS
SB0.2	ABUTMENT DETAILS
SB1.0	PLAN & ELEVATION
SB2.0	PLAN & ELEVATION

BOATHOUSE

BH-1	FLOOR PLAN, DETAILS

RESTROOM

RR-A1	FLOOR PLAN, REFLECTED CEILING PLAN, ROOF PLAN
RR-A2	EXTERIOR ELEVATIONS
RR-A3	BUILDING SECTIONS
RR-A4	INTERIOR ELEVATIONS, SCHEDULES
RR-A5	DETAILS
RR-A6	DETAILS
RR-S0	STRUCTURAL COVER SHEET
RR-S1	FOUNDATION AND ROOF FRAMING AND NOTES
RR-S2	FOUNDATION TYPICAL DETAILS AND NOTES
RR-S3	CONCRETE TYPICAL DETAILS AND NOTES
RR-S4	MASONRY TYPICAL DETAILS AND NOTES
RR-S5	METAL DECK TYPICAL DETAILS AND NOTES
RR-S6	SECTIONS AND DETAILS
RR-PG1.01	PLUMBING COVER SHEET
RR-P1.01	PLUMBING PLANS
RR-EG1.01	ELECTRICAL LEGEND AND GENERAL NOTES
RR-E1.01	ELECTRICAL PLANS, POWER AND LIGHTING

RESTROOM/MECHANICAL BUILDING

RM-A1	FLOOR PLAN, CODE ANALYSIS, WALL LEGEND
RM-A2	REFLECTED CEILING PLAN
RM-A3	ROOF PLAN
RM-A4	EXTERIOR ELEVATIONS
RM-A5	SECTIONS
RM-A6	INTERIOR ELEVATIONS, DOOR SCHEDULE, FINISH SCHEDULE
RM-A7	DETAILS
RM-A8	DETAILS
RM-S0	STRUCTURAL COVER SHEET
RM-S1	FOUNDATION PLAN
RM-S1A	ROOM FRAMING PLAN
RM-S2	FOUNDATION TYPICAL DETAILS AND NOTES
RM-S3	CONCRETE TYPICAL DETAILS AND NOTES
RM-S4	MASONRY TYPICAL DETAILS AND NOTES
RM-S5	METAL DECK TYPICAL DETAILS AND NOTES
RM-S6	SECTIONS AND DETAILS
RM-S7	SECTIONS AND DETAILS
RM-MG1.1	MECHANICAL NOTES, FLOOR PLAN AND SCHEDULE
RM-PG1.1	PLUMBING COVER SHEET
RM-P1.1	PLUMBING PLANS
RM-EG1.01	ELECTRICAL LEGEND AND GENERAL NOTES
RM-EG1.02	ONE-LINE DIAGRAM, ELECTRICAL SCHEDULES AND DETAILS
RME1.01	ELECTRICAL LEGEND AND GENERAL NOTES

PHASE ONE AREA WORK

P1.01	TRASH RECEPTACLE INSTALLATION PLAN NORTH SIDE OF PHASE 1
P1.02	TRASH RECEPTACLE INSTALLATION PLAN SOUTH SIDE OF PHASE 1
P2.01	CURB RADIUS RENOVATION BALL PARK PARKING LOT PHASE 1

VOLUME 2 SHEET INDEX

CV-2	VOLUME 2 COVER SHEET
SI-2	SHEET INDEX
L1.00	EXISTING TREE/MEMORIAL SCHEDULE AND DEMOLITION NOTES
L1.00B	EXISTING TREE/MEMORIAL SCHEDULE AND DEMOLITION NOTES
L1.00C	EXISTING TREE/MEMORIAL SCHEDULE AND DEMOLITION NOTES
L1.01-L1.05	EXISTING CONDITIONS AND DEMOLITION PLAN
L1.05C	ALTERNATE 'C' EXISTING CONDITIONS AND DEMOLITION PLAN
L1.06-L1.07	EXISTING CONDITIONS AND DEMOLITION PLAN
L1.07B	ALTERNATE 'B' EXISTING CONDITIONS AND DEMOLITION PLAN
L1.08-L1.09	EXISTING CONDITIONS AND DEMOLITION PLAN
L1.10	CACTUS AND YUCCA SALVAGE AND DEMOLITION PLAN
L1.11	MEMORIAL ROSE GARDEN SALVAGE AND DEMOLITION PLAN
L2.00	OVERALL LANDSCAPE CALLOUT PLAN
L2.01	LANDSCAPE CALLOUT PLAN
L2.01A	ALTERNATE 'A' LANDSCAPE CALLOUT PLAN
L2.02	LANDSCAPE CALLOUT PLAN
L2.03-L2.04	LANDSCAPE CALLOUT PLAN
L2.04A	ALTERNATE 'A' LANDSCAPE CALLOUT PLAN
L2.05-L2.06	LANDSCAPE CALLOUT PLAN
L2.06C	ALTERNATE 'C' LANDSCAPE CALLOUT PLAN
L2.07	LANDSCAPE CALLOUT PLAN
L2.07A	ALTERNATE 'A' LANDSCAPE CALLOUT PLAN
L2.08	LANDSCAPE CALLOUT PLAN
L2.08C	ALTERNATE 'C' LANDSCAPE CALLOUT PLAN
L2.09	LANDSCAPE CALLOUT PLAN
L2.09B	ALTERNATE 'B' LANDSCAPE CALLOUT PLAN
L2.10	LANDSCAPE CALLOUT PLAN
L2.10B	ALTERNATE 'B' LANDSCAPE CALLOUT PLAN
L3.00	LANDSCAPE PLANTING SCHEDULE AND OVERALL NOTES
L3.00A	ALTERNATE 'A' LANDSCAPE PLANTING SCHEDULE AND OVERALL NOTES
L3.00B	ALTERNATE 'B' LANDSCAPE PLANTING SCHEDULE AND OVERALL NOTES
L3.00C	ALTERNATE 'C' LANDSCAPE PLANTING SCHEDULE AND OVERALL NOTES
L3.00D	ALTERNATE 'D' LANDSCAPE PLANTING SCHEDULE AND OVERALL NOTES
L3.01-L3.06	LANDSCAPE PLANTING PLAN
L3.06C	ALTERNATE 'C' LANDSCAPE PLANTING PLAN
L3.07	LANDSCAPE PLANTING PLAN
L3.07A	ALTERNATE 'A' LANDSCAPE PLANTING PLAN
L3.08	LANDSCAPE PLANTING PLAN
L3.08C	ALTERNATE 'C' LANDSCAPE PLANTING PLAN
L3.09	LANDSCAPE PLANTING PLAN
L3.09B	ALTERNATE 'B' LANDSCAPE PLANTING PLAN
L3.10	LANDSCAPE PLANTING PLAN
L3.10B	ALTERNATE 'B' LANDSCAPE PLANTING PLAN
L3.11-L3.12	LANDSCAPE PLANTING PLAN
L4.00	LANDSCAPE IRRIGATION MAINLINE PLAN, SCHEDULE AND NOTES
L4.00B	ALTERNATE 'B' LANDSCAPE IRRIGATION MAINLINE PLAN, SCHEDULE AND NOTES
L4.00C	ALTERNATE 'C' LANDSCAPE IRRIGATION MAINLINE PLAN, SCHEDULE AND NOTES
L4.01-L4.05	LANDSCAPE IRRIGATION PLAN
L4.05.1	LANDSCAPE IRRIGATION DEMOLITION PLAN
L4.06	LANDSCAPE IRRIGATION PLAN
L4.06C	ALTERNATE 'C' LANDSCAPE IRRIGATION PLAN
L4.07	LANDSCAPE IRRIGATION PLAN
L4.07A	ALTERNATE 'A' LANDSCAPE IRRIGATION PLAN
L4.08	LANDSCAPE IRRIGATION PLAN
L4.08C	ALTERNATE 'C' LANDSCAPE IRRIGATION PLAN
L4.09	LANDSCAPE IRRIGATION PLAN
L4.09B	ALTERNATE 'B' LANDSCAPE IRRIGATION PLAN
L4.10	LANDSCAPE IRRIGATION PLAN
L4.10B	ALTERNATE 'B' LANDSCAPE IRRIGATION PLAN
L5.00	HARDSCAPE TREATMENT PLAN
L5.00A	ALTERNATE 'A' HARDSCAPE TREATMENT PLAN
L5.00C	ALTERNATE 'C' HARDSCAPE TREATMENT PLAN
L5.01-L5.10	LANDSCAPE SIGNAGE AND MEMORIAL PLAN
L5.10B	ALTERNATE 'B' LANDSCAPE SIGNAGE AND MEMORIAL PLAN
L5.11	LANDSCAPE SIGNAGE AND MEMORIAL PLAN
L5.12-L5.18	LANDSCAPE SIGNAGE DETAILS

VOLUME 2 SHEET INDEX

L6.01-L6.03	LANDSCAPE WALL SECTIONS
L6.03A	ALTERNATE 'A' LANDSCAPE WALL SECTIONS
L6.04-L6.05	LANDSCAPE WALL SECTIONS
L6.06	LANDSCAPE SECTIONS - SOUTH ISLAND
L6.06A	ALTERNATE 'A' LANDSCAPE SECTIONS - SOUTH ISLAND
L6.07	LANDSCAPE WALL SECTIONS
L6.07C	ALTERNATE 'C' LANDSCAPE WALL SECTIONS
L7.01	TOT-LOT/SPLASH PAD LAYOUT
L7.01A	ALTERNATE 'A' TOT-LOT/SPLASH PAD LAYOUT
L7.02	TOT-LOT/SPLASH PAD SURFACING
L7.02A	ALTERNATE 'A' TOT-LOT/SPLASH PAD SURFACING
L7.03	TOT-LOT/ FABRIC SHADE SHELTER
L7.03A	ALTERNATE 'A' TOT-LOT/FABRIC SHADE SHELTER
L7.04-L7.07	TOT-LOT/TOWN FACADE WALL STRUCTURES
L7.08	TOT-LOT EQUIPMENT
L7.08A	ALTERNATE 'A' TOT-LOT EQUIPMENT
L7.09	TOT-LOT EQUIPMENT
L7.10-L7.12	SPLASH PAD DETAILS
L7.13A	ALTERNATE 'A' TOT-LOT RETAINING WALL MURAL
L8.01-L8.06	LANDSCAPE DETAILS
L8.06A	ALTERNATE 'A' LANDSCAPE DETAILS
L8.07	LANDSCAPE DETAILS
L8.08	LANDSCAPE LAYOUT PLAN
L9.01-L9.10	12'X12' SHADE SHELTER
L10.01-L10.10	16'X16' SHADE SHELTER
L11.01-L11.10	20'X20' SHADE SHELTER
L12.01-L12.11	24'X44' SHADE SHELTER
L13.01-L13.11	40'X40' SHADE SHELTER
L14.01-L14.03	30'X30' FABRIC SHADE SHELTER
L15.01A	ALTERNATE 'A' 26'X42' FABRIC SHADE SHELTER
L15.02A	ALTERNATE 'A' 26'X42' FABRIC SHADE SHELTER
L15.03A	ALTERNATE 'A' 26'X42' FABRIC SHADE SHELTER
L16.01A	ALTERNATE 'A' 28'X44' FABRIC SHADE SHELTER
L16.02A	ALTERNATE 'A' 28'X44' FABRIC SHADE SHELTER
L16.03A	ALTERNATE 'A' 28'X44' FABRIC SHADE SHELTER
L17.01	SITE FURNISHING MATERIALS
L17.01A	ALTERNATE 'A' SITE FURNISHING MATERIALS
L17.01B	ALTERNATE 'B' SITE FURNISHING MATERIALS
L17.01C	ALTERNATE 'C' SITE FURNISHING MATERIALS
L17.02	SITE FURNISHING MATERIALS
L17.02A	ALTERNATE 'A' SITE FURNISHING MATERIALS

LAKE & WATER FEATURE

IL-1.1	IRRIGATION LAKE & WATER FEATURE NOTES
IL-1.2	IRRIGATION LAKE & WATER FEATURE NOTES
IL-1.3	IRRIGATION LAKE & WATER FEATURE PLAN
IL-1.4	IRRIGATION LAKE & WATER FEATURE PLAN
IL-1.5	LAKE & WATER FEATURE DETAILS
IL-1.6	LAKE & WATER FEATURE DETAILS
IL-1.7	LAKE & WATER FEATURE DETAILS
IL-1.8	LAKE & WATER FEATURE DETAILS
IL-1.9	LAKE & WATER FEATURE DETAILS
IL-1.10	LAKE & WATER FEATURE DETAILS
IL-1.11	LAKE & WATER FEATURE DETAILS
IL-1.12	LAKE & WATER FEATURE DETAILS
IL-1.13	IRRIGATION & WATER FEATURE PUMP NOTES
IL-1.14	IRRIGATION & WATER FEATURE PUMP PLAN
IL-1.15	IRRIGATION & WATER FEATURE PUMP DETAILS
IL-1.16	IRRIGATION & WATER FEATURE PUMP DETAILS
IL-1.17	IRRIGATION BOOSTER PUMP SECTION
IL-1.18	LAKE AERATION PLAN & DETAILS
IL-1.19	LAKE URBAN FISHING HABITAT DETAILS

RECORD
AS-BUILT

REVISIONS

CONSULTANT

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JWZ JW ZUNINO LANDSCAPE ARCHITECTURE
jwzunino.com | CONSTRUCTION | COMMERCIAL | RESIDENTIAL
NV #1120 | UT #10394 | NM #392 | AZ #32514 | CA #3738 | TX #1738

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
SHEET INDEX

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
783
6/27/11
Expires 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702)229-5535
FAX: (702)382-3232
TDD: (702)386-9108

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FILE	136-CVD1.dwg
DATE	6/27/2011
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BID NO	10.1534.04
CLV DWG NO	650.19-47-2
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Lorenzi Park-0177, PRINTED ON RECYCLED PAPER

TREE ZONE	COMMON NAME	D=DEMO P=PROTECT-IN PLACE R=RELOCATE	APPROXIMATE SIZE
N/A	TREE STUMP	D	M
A-02	MESQUITE	P	M
N/A	TREE STUMP	D	M
A-04	SUMAC	P	M
N/A	TREE STUMP	D	S
N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	M
A-08	PALM	P	L
A-09	PALM	P	L
N/A	TREE STUMP	D	M
N/A	TREE STUMP	D	S
N/A	TREE STUMP	D	M
N/A	TREE STUMP	D	S
N/A	TREE STUMP	D	M
N/A	TREE STUMP	D	S
N/A	TREE STUMP	D	M
N/A	TREE STUMP	D	S
N/A	TREE STUMP	D	M
A-20	EVERGREEN OAK	P	L
N/A	TREE STUMP	D	S
A-22	MESQUITE	P	M
A-23	MESQUITE	P	M
N/A	TREE STUMP	D	M
N/A	TREE STUMP	D	M
A-26	UNKNOWN	P	M
N/A	TREE STUMP	D	M
N/A	TREE STUMP	D	S
N/A	TREE STUMP	D	S
N/A	TREE STUMP	D	S
A-33	ASH	P	M
A-34	PRIVET	P	M
N/A	TREE STUMP	D	L
N/A	TREE STUMP	D	M
N/A	TREE STUMP	D	L
N/A	TREE STUMP	D	S
N/A	TREE STUMP	D	S
N/A	TREE STUMP	D	L
N/A	TREE STUMP	D	L
N/A	TREE STUMP	D	L
N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY
B-06	UNKNOWN	P	FIELD VERIFY
B-07	UNKNOWN	P	S
B-08	UNKNOWN	P	S
B-09	UNKNOWN	P	M
N/A	TREE STUMP	D	S
B-11	PALM	R	FIELD VERIFY
B-12	PALM	R	L
B-13	PALM	R	L
B-14	PALM	R	L
B-15	PRIVET	P	S
N/A	TREE STUMP	D	M
N/A	TREE STUMP	D	L
B-18	PALM	R	L
B-19	PALM	R	L
B-20	PALM	R	L
B-21	PALM	R	FIELD VERIFY
N/A	TREE STUMP	D	L
B-23	PALM	R	L
N/A	TREE STUMP	D	M
N/A	TREE STUMP	D	M
B-26	PALM	R	L
B-27	PALM	R	L
B-28	PALM	R	M
B-29	PALM	R	L
B-30	PALM	R	M
B-31	PALM	R	M
N/A	TREE STUMP	D	S
B-33	ASH	P	S
N/A	TREE STUMP	D	S
N/A	TREE STUMP	D	M
N/A	TREE STUMP	D	M
N/A	TREE STUMP	D	L
N/A	TREE STUMP	D	M
N/A	TREE STUMP	D	S
B-41	PINE	P	L
N/A	TREE STUMP	D	L
N/A	TREE STUMP	D	FIELD VERIFY
C-02	ASH	P	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY
C-04	ASH	P	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY
C-06	ASH	P	FIELD VERIFY
C-07	ASH	P (SEE NOTE B)	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY
C-10	ASH	P	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY
C-12	ASH	P	FIELD VERIFY
C-13	ASH	P	FIELD VERIFY
N/A	TREE STUMP	D	M
N/A	TREE STUMP	D	M
N/A	TREE STUMP	D	L
N/A	TREE STUMP	D	M
N/A	TREE STUMP	D	L
N/A	TREE STUMP	D	M
D-01	MULBERRY	P	M
D-02	MULBERRY	P	M
D-03	MULBERRY	P	M
D-04	PALM - MULTI-TRUNK	P	FIELD VERIFY
D-05	PALM - MULTI-TRUNK	P	FIELD VERIFY
D-06	PALM - MULTI-TRUNK	P	FIELD VERIFY
D-07	PALM	P	L
N/A	TREE STUMP	D	FIELD VERIFY
D-09	PALM	P	L
N/A	TREE STUMP	D	M
D-11	UNKNOWN	P	M
N/A	TREE STUMP	D	S
D-13	PALM	P	M
D-14	UNKNOWN	P	L
D-15	UNKNOWN	P	L
D-16	UNKNOWN	P	L
D-17	UNKNOWN	P	M
D-18	PALM	P	M

TREE ZONE	COMMON NAME	D=DEMO P=PROTECT-IN PLACE R=RELOCATE	APPROXIMATE SIZE
N/A	TREE STUMP	P	M
N/A	TREE STUMP	P	M
D-19	PALM	P	M
D-20	PALM	P	M
D-21	UNKNOWN	P	L
D-22	UNKNOWN	P	L
D-23	PALM	P	M
D-24	PALM	P	M
N/A	TREE STUMP	D	L
D-26	PALM	P	M
D-27	PALM	P	M
N/A	TREE STUMP	D	M
D-29	PALM	P	M
D-30	PALM	P	M
D-31	PALM	P	M
D-32	PALM	P	M
D-33	PALM	P	M
D-34	PALM	P	FIELD VERIFY
D-35	PALM	P	FIELD VERIFY
E-01	ASH	P	L
E-02	PALM	R	M
E-03	PALM	R	M
E-04	PALM	R	M
E-05	PALM	R	M
E-06	PALM	R	M
E-07	PALM	R	M
E-08	PALM	R	M
N/A	TREE STUMP	D	M
E-10	PALM	R	M
E-11	PALM	R	M
E-12	PALM	P	FIELD VERIFY
N/A	TREE STUMP	D	S
N/A	TREE STUMP	D	M
N/A	TREE STUMP	D	S
N/A	TREE STUMP	D	M
E-18	PALM	P	L
E-19	PALM	R	L
N/A	TREE STUMP	D	M
E-21	PALM	P	L
E-22	PALM	P	L
N/A	TREE STUMP	D	M
N/A	TREE STUMP	D	M
N/A	TREE STUMP	D	L
N/A	TREE STUMP	D	S
N/A	TREE STUMP	D	S
N/A	TREE STUMP	D	L
N/A	TREE STUMP	D	L
N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	M
N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	S
N/A	TREE STUMP	D	M
N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY

TREE ZONE	COMMON NAME	D=DEMO R=PROTECT-IN PLACE R=RELOCATE	APPROXIMATE SIZE	TREE ZONE	COMMON NAME	D=DEMO R=PROTECT-IN PLACE R=RELOCATE	APPROXIMATE SIZE	TREE ZONE	COMMON NAME	D=DEMO R=PROTECT-IN PLACE R=RELOCATE	APPROXIMATE SIZE	TREE ZONE	COMMON NAME	D=DEMO R=PROTECT-IN PLACE R=RELOCATE	APPROXIMATE SIZE
N/A	TREE STUMP	D	M	D-19	PALM	P	M	N/A	TREE STUMP	D	S	M-03	UNKNOWN	P	M
A-02	MESQUITE	P	M	D-20	PALM	P	M	N/A	TREE STUMP	D	L	M-04	PALM	P	S
N/A	TREE STUMP	D	M	D-21	UNKNOWN	P	L	N/A	TREE STUMP	D	M	M-05	UNKNOWN	P	M
A-04	RAMAC	P	M	D-22	UNKNOWN	P	L	N/A	TREE STUMP	D	M	M-06	PALM	P	M
N/A	TREE STUMP	D	S	D-23	PALM	P	M	N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	M
N/A	TREE STUMP	D	L	D-24	PALM	P	M	N/A	TREE STUMP	D	M	M-01	UNKNOWN	D	FIELD VERIFY
N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	L	H-01	PINE	P	M	M-01	UNKNOWN	D	FIELD VERIFY
A-08	PALM	P	L	D-26	PALM	P	M	H-02	PINE	P	M	M-10	UNKNOWN	D	FIELD VERIFY
A-09	PALM	P	L	D-27	PALM	P	M	H-03	PINE	P	M	M-11	UNKNOWN	D	M
N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	M	H-04	PINE	P	M	M-12	PINE	D	L
N/A	TREE STUMP	D	S	D-29	PALM	P	M	H-05	PINE	P	M	M-13	ASH	D	M
N/A	TREE STUMP	D	M	D-30	PALM	P	M	H-06	PINE	P	M	M-14	UNKNOWN	D	FIELD VERIFY
N/A	TREE STUMP	D	S	D-31	PALM	P	M	H-07	PINE	P	M	M-15	UNKNOWN	D	FIELD VERIFY
N/A	TREE STUMP	D	M	D-32	PALM	P	M	H-08	PINE	P	M	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	S	D-33	PALM	P	M	H-09	PINE	P	M	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	M	D-34	PALM	P	FIELD VERIFY	H-10	PINE	P	M	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	S	D-35	PALM	P	FIELD VERIFY	H-11	PINE	P	M	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	M	E-01	ASH	P	L	N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	FIELD VERIFY
A-20	EVERGREEN OAK	P	L	E-02	PALM	R	M	N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	S	E-03	PALM	R	M	N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	FIELD VERIFY
A-22	MESQUITE	P	M	E-04	PALM	R	M	N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	FIELD VERIFY
A-23	MESQUITE	P	M	E-05	PALM	R	M	H-11	UNKNOWN	P	S	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	M	E-06	PALM	R	M	H-15	UNKNOWN	P	FIELD VERIFY	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	S	E-07	PALM	R	M	H-19	UNKNOWN	P	FIELD VERIFY	N/A	TREE STUMP	D	FIELD VERIFY
A-26	UNKNOWN	P	M	E-08	PALM	R	M	H-20	UNKNOWN	P	FIELD VERIFY	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	M	H-21	UNKNOWN	P	M	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	S	E-10	PALM	R	M	H-22	UNKNOWN	P	FIELD VERIFY	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	S	E-11	PALM	R	M	H-23	UNKNOWN	P	FIELD VERIFY	M-31	UNKNOWN	P	FIELD VERIFY
N/A	TREE STUMP	D	S	E-12	PALM	R	FIELD VERIFY	H-24	UNKNOWN	P	FIELD VERIFY	M-32	PINE	P	FIELD VERIFY
N/A	TREE STUMP	D	S	N/A	TREE STUMP	D	M	H-25	UNKNOWN	P	FIELD VERIFY	M-33	UNKNOWN	P	FIELD VERIFY
N/A	TREE STUMP	D	S	N/A	TREE STUMP	D	M	H-26	UNKNOWN	P	M	M-34	UNKNOWN	P	FIELD VERIFY
A-33	ASH	P	M	N/A	TREE STUMP	D	S	H-27	UNKNOWN	P	FIELD VERIFY	M-35	UNKNOWN	P	FIELD VERIFY
A-34	PRIVET	P	M	N/A	TREE STUMP	D	M	H-28	UNKNOWN	P	FIELD VERIFY	M-36	UNKNOWN	P	FIELD VERIFY
N/A	TREE STUMP	D	S	E-17	PRIVET	P	S					M-37	UNKNOWN	P	FIELD VERIFY
N/A	TREE STUMP	D	M	E-18	PALM	R	M	J-02	ASH	P	M				
N/A	TREE STUMP	D	L	E-19	PALM	R	L	N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	L	N/A	TREE STUMP	D	L	N/A	TREE STUMP	D	M	N-02	UNKNOWN	P	FIELD VERIFY
N/A	TREE STUMP	D	S	E-21	PALM	R	L	J-04	ASH	P	M	N-03	UNKNOWN	P	FIELD VERIFY
N/A	TREE STUMP	D	L	E-22	PALM	R	L	N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	L	N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	M	N-05	PINE	P	FIELD VERIFY
N/A	TREE STUMP	D	L	N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	S	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	S	N/A	TREE STUMP	D	L	J-08	ASH	P	M	N/A	N/A	N/A	N/A
N/A	TREE STUMP	D	S	N/A	TREE STUMP	D	M	J-11	MESQUITE	P	S	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	L	N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	S	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	S	N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	S	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	L	FIELD VERIFY	N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	FIELD VERIFY	N-11	UNKNOWN	P	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY	N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	S	N-14	UNKNOWN	P	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY	N/A	TREE STUMP	D	M	J-09	ASH	P	M	N-15	UNKNOWN	P	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY	N/A	TREE STUMP	D	S	J-11	ASH	P	M	N-16	UNKNOWN	P	FIELD VERIFY
N/A	TREE STUMP	D	L	N/A	TREE STUMP	D	L	J-12	ASH	P	M	N-17	UNKNOWN	P	FIELD VERIFY
N/A	TREE STUMP	D	L	N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	M	N-18	UNKNOWN	P	FIELD VERIFY
R-06	UNKNOWN	P	FIELD VERIFY	N/A	TREE STUMP	D	S	N/A	TREE STUMP	D	S	N-19	UNKNOWN	P	FIELD VERIFY
R-07	UNKNOWN	P	S	E-38	ASH	P	S	J-14	MESQUITE	P	M	N-20	UNKNOWN	P	FIELD VERIFY
R-08	UNKNOWN	P	S	E-39	OLIVE	P	M	N/A	TREE STUMP	D	S	N-21	UNKNOWN	P	FIELD VERIFY
R-09	UNKNOWN	P	M	E-40	PINE	P	L	N/A	TREE STUMP	D	S	N-22	UNKNOWN	P	FIELD VERIFY
N/A	TREE STUMP	D	S	E-41	PALM - MULTI-TRUNK	P	M	N/A	TREE STUMP	D	M	N-23	UNKNOWN	P	FIELD VERIFY
R-11	PALM	R	FIELD VERIFY	E-42	PALM - MULTI-TRUNK	P	M	J-25	PALM	P	L	N-24	UNKNOWN	P	FIELD VERIFY
R-12	PALM	R	L	E-43	UNKNOWN	P	S	J-26	PALM	P	L	N-25	UNKNOWN	P	FIELD VERIFY
R-13	PALM	R	L	E-44	PALM - MULTI-TRUNK	P	M	J-27	MEDITERRANEAN FAN PALM	P	M	N-26	UNKNOWN	P	FIELD VERIFY
R-14	PALM	R	L	N/A	TREE STUMP	D	S	J-28	MEDITERRANEAN FAN PALM	P	M	N/A	TREE STUMP	D	FIELD VERIFY
R-15	PRIVET	P	L	E-46	PALM	R	M	J-29	PALM	P	M	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	M	E-47	PALM - MULTI-TRUNK	P	M	J-30	MEDITERRANEAN FAN PALM	P	L	N-27	PINE	P	FIELD VERIFY
N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	L	J-31	MEDITERRANEAN FAN PALM	P	M	N-30	UNKNOWN	P	FIELD VERIFY
R-18	PALM	R	L	E-49	PALM	R	M	J-32	PALM	P	M	N-31	UNKNOWN	P	FIELD VERIFY
R-19	PALM	R	L	E-50	PALM	R	M	J-33	MEDITERRANEAN FAN PALM	P	M	N-32	UNKNOWN	P	FIELD VERIFY
R-20	PALM	R	L	E-51	PALM	R	M	J-34	MEDITERRANEAN FAN PALM	P	S	N-33	PINE	P	FIELD VERIFY
R-21	PALM	R	FIELD VERIFY	E-52	PALM	R	M	J-35	PALM	P	L	N-34	UNKNOWN	P	FIELD VERIFY
N/A	TREE STUMP	D	L	E-53	PALM	R	L	J-36	UNKNOWN	P	L	N-35	UNKNOWN	P	FIELD VERIFY
R-23	PALM	R	L	E-54	PALM	R	M	J-37	UNKNOWN	P	L	N-36	PINE	P	FIELD VERIFY
N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	M	J-39	PALM	P	L	N-37	UNKNOWN	P	FIELD VERIFY
N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	FIELD VERIFY	J-34	PALM	P	FIELD VERIFY	N-38	UNKNOWN	P	FIELD VERIFY
R-26	PALM	R	L	N/A	TREE STUMP	D	FIELD VERIFY	J-40	MEDITERRANEAN FAN PALM	P	M	N-39	UNKNOWN	P	FIELD VERIFY
R-27	PALM	R	L	N/A	TREE STUMP	D	FIELD VERIFY	J-41	UNKNOWN	P	L	N-40	PINE	P	FIELD VERIFY
R-28	PALM	R	M	N/A	TREE STUMP	D	FIELD VERIFY	J-42	UNKNOWN	P	FIELD VERIFY	N-41	PINE	P	FIELD VERIFY
R-29	PALM	R	L	N/A	TREE STUMP	D	FIELD VERIFY	J-43	PALM	P	FIELD VERIFY	N/A	TREE STUMP	D	FIELD VERIFY
R-30	PALM	R	M	N/A	TREE STUMP	D	FIELD VERIFY	J-44	PALM	P	FIELD VERIFY	N-42	UNKNOWN	P	FIELD VERIFY
R-31	PALM	R	M	N/A	TREE STUMP	D	FIELD VERIFY	J-45	PALM	P	FIELD VERIFY				
N/A	TREE STUMP	D	S	N/A	TREE STUMP	D	FIELD VERIFY	J-46	PALM	P	FIELD VERIFY	N/A	TREE STUMP	D	FIELD VERIFY
R-33	ASH	P	S	N/A	TREE STUMP	D	FIELD VERIFY	J-47	MEDITERRANEAN FAN PALM	P	L	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	S	N/A	TREE STUMP	D	FIELD VERIFY	J-48	MEDITERRANEAN FAN PALM	P	L	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	L	J-49	MEDITERRANEAN FAN PALM	P	L	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	L	J-50	MEDITERRANEAN FAN PALM	P	L	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	L	N/A	TREE STUMP	D	L	J-51	MEDITERRANEAN FAN PALM	P	L	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	L	J-52	MEDITERRANEAN FAN PALM	P	L	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	L	N/A	TREE STUMP	D	L	J-53	MEDITERRANEAN FAN PALM	P	L	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	L	N/A	TREE STUMP	D	FIELD VERIFY	N/A	TREE STUMP	D	FIELD VERIFY
R-41	PINE	R	L	E-72	PALM	P	L	N/A	TREE STUMP	D	FIELD VERIFY	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	L	E-73	PALM	P	L	J-56	MEDITERRANEAN FAN PALM	P	L	N/A	TREE STUMP	D	FIELD VERIFY
				E-74	PALM	P	L	J-57	MEDITERRANEAN FAN PALM	P	L	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY	E-75	PALM	P	L	J-58	MEDITERRANEAN FAN PALM	P	L	N/A	TREE STUMP	D	FIELD VERIFY
C-02	ASH	P	FIELD VERIFY	N/A	TREE STUMP	D	L	J-59	MEDITERRANEAN FAN PALM	P	L	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY	N/A	TREE STUMP	D	L					N/A	TREE STUMP	D	FIELD VERIFY
C-04	ASH	P	FIELD VERIFY	N/A	TREE STUMP	D	L					N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY	E-79	TAMARISK	P	L	K-02	MESQUITE	P	M	N/A	TREE STUMP	D	FIELD VERIFY
C-06	ASH	P	FIELD VERIFY	E-80	TAMARISK	P	L	K-03	ASH	P	M	N/A	TREE STUMP	D	FIELD VERIFY
C-07	ASH	P (SEE NOTE 3)	FIELD VERIFY					K-04	COTTONWOOD	P	M	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY	E-81	PALM	P	M	N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY	E-82	PALM	P	M	N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	FIELD VERIFY
C-10	ASH	P	FIELD VERIFY	N/A	TWIN STUMP	D	FIELD VERIFY	K-07	UNKNOWN	P	M	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	FIELD VERIFY	E-84	UNKNOWN	P	S	K-08	PINE	P	M	N/A	TREE STUMP	D	FIELD VERIFY
C-12	ASH	P	FIELD VERIFY	E-85	UNKNOWN	P	L	K-09	PINE	P	M	N/A	TREE STUMP	D	FIELD VERIFY
C-13	ASH	P	FIELD VERIFY	E-86	UNKNOWN	P	L	K-10	PINE	P	M	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D		E-87	PALM	P	M	K-11	PINE	P	M				
N/A	TREE STUMP	D	M	E-88	UNKNOWN	P	FIELD VERIFY	K-12	PINE	P	M	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	L	E-89	MYRTLE	P	FIELD VERIFY	K-13	PINE	P	M	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	L	E-90	UNKNOWN	P	FIELD VERIFY	K-14	PINE	P	M	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	L	E-91	DESERT WILLOW	P	FIELD VERIFY	N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	L	E-92	MONDEL PINE	P	M	N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	L	N/A	TREE STUMP	D	M	K-17	ASH	P	M	N/A	TREE STUMP	D	FIELD VERIFY
N/A	TREE STUMP	D	L	N/A	TREE STUMP	D	S					N/A	TREE STUMP	D	FIELD VERIFY
				E-95	MESQUITE	P	M	L-01	OSAGE ORANGE	P	M				
D-01	MULBERRY	P	M	N/A	TREE STUMP	D	M	L-02	OSAGE ORANGE	P	M				
D-02	MULBERRY	P	M	N/A	TREE STUMP	D	FIELD VERIFY	L-03	OSAGE ORANGE	P	M				
D-03	MULBERRY	P	M					N/A	TREE STUMP	D	M				
D-04	PALM - MULTI-TRUNK	P	FIELD VERIFY	N/A	TREE STUMP	D	L	L-05	COTTONWOOD	P	L				
D-05	PALM - MULTI-TRUNK	P	FIELD VERIFY	N/A	TREE STUMP	D	L	L-06	COTTONWOOD	P	L				
D-06	PALM - MULTI-TRUNK	P	FIELD VERIFY	N/A	TREE STUMP	D	L	N/A	TREE STUMP	D	L				
D-07	PALM	P	L	N/A	TREE STUMP	D	L	N/A	TREE STUMP	D	M				
N/A	TREE STUMP	D	FIELD VERIFY	N/A	TREE STUMP	D	L	L-09	ASH	P	M				
D-09	PALM	P	L	G-06	PALM	R	L	L-10	COTTONWOOD	P	L				
N/A	TREE STUMP	D	M	G-07	PALM	R	L	L-11	ASH	P	M				
D-11	UNKNOWN	P	M	G-08	PALM	R	L	L-12	BOTTLE TREE	P	M				
N/A	TREE STUMP	D	M	N/A	TREE STUMP	D	L	L-13	BOTTLE TREE	P	M				
D-13	PALM	P	M	N/A	TREE STUMP	D	M	L-14	BOTTLE TREE	P	M				
D-14	UNKNOWN	P	L	N/A	TREE STUMP	D	M	L-15	UNKNOWN	P	FIELD VERIFY				
D-15	UNKNOWN	P	L	N/A	TREE STUMP	D	M	L-16	UNKNOWN	P	M				
D-16	UNKNOWN	P	L	N/A	TREE STUMP	D	M								
D-17	UNKNOWN	P	M	N/A	TREE STUMP	D	S	M-01	UNKNOWN	P	M				
D-18	PALM	P	M	N/A	TREE STUMP	D	M	M-02	UNKNOWN	P	M				

PLAN ID #	MEMORIAL NAME (DESCRIPTION)	PLAQUE DIMENSION (LXWXH)	SIZE (LXWXH) ORIENTATION
AM-01	WATER SCULPTURE	N/A	6'X6'X10'
AM-02	WOOD SCULPTURE	N/A	2'X2'X10'
MB-01	BLUE STAR MEMORIAL	2'-6"X8"	3'-0"X2'-6"X2"
MB-02	RUTH THOMPKINS	17"X5"	2'-8"X1'-6"X2"
MB-03	WILLIAM THE GENERAL MARK	10"X6"	3'-0"X2'-6"
MB-04	JOHN COLEMAN	11"X7"	3'-0"X1'-6"X2"
PP-01	FRANCISCO GARCES CHAPTER MEDAL	14"X4"	1'-5"X4"X20"
PP-02	LORENZI PARK PIONEER TRAIL	N/A	2'-6"X5'-2"X15' PORTRAIT
MG-01	FRANCISCO GARCES CHAPTER	N/A	9'-5"X1'-0"X5'-8"
MG-02	MESQUITE GARDEN CLUB MEMORIAL, GARDEN OF THE FOUR SEASONS	N/A	30"X19"X31"
MG-03	MESQUITE GARDEN CLUB MEMORIAL, STATUE OF THE FOUR SEASONS	N/A	28"X20"X68"
MG-04	MESQUITE GARDEN CLUB MEMORIAL, STATUE OF THE FOUR SEASONS	N/A	28"X20"X68"
MG-05	MESQUITE GARDEN CLUB MEMORIAL, STATUE OF THE FOUR SEASONS	N/A	28"X28"X63"
MG-06	MESQUITE GARDEN CLUB MEMORIAL, STATUE OF THE FOUR SEASONS	N/A	28"X28"X63"
MG-07	MESQUITE GARDEN CLUB MEMORIAL, BIRD BATH	N/A	30"X30"X42"
MG-08	LORENZI PARK PIONEER TRAIL	N/A	1'-8"X2'-6" LANDSCAPE
MG-09	LORENZI PARK PIONEER TRAIL	N/A	2'-0"X6"X8'-0" PORTRAIT
MG-01	CLV, DERRELL SENIOR CENTER	N/A	10'-4"X2'-0"X4'-0"
MG-02	CLV, SAMMY DAVIS JR FESTIVAL PLAZA	N/A	10'-4"X2'-0"X4'-0"
MG-03	CLV, SAMMY DAVIS JR FESTIVAL PLAZA	N/A	10'-4"X2'-0"X4'-0"
MG-04	CLV, LORENZI PARK	N/A	10'-4"X2'-0"X4'-0"
MP-01	CATHERINE COLLINS	11"X5"	1'X0' LANDSCAPE
MP-02	SHERIFF, SENIOR VOLUNTEERS (ALMONE, RUTH, HARRIET, SERU)	11"X18"	1'-9"X2'-0" PORTRAIT
MP-03	VALORIE PITA	17"X5"	1'-6"X 1' LANDSCAPE
MP-04	ROGER HELCH	11"X5"	1'-2"X1'-4" LANDSCAPE
MP-05	BETTY GARDENER	11"X5"	1'-2"X1'-0" LANDSCAPE
MP-06	LEMEL YACEN	6"X6"	1'X0' LANDSCAPE
MP-07	DONNA VAN SANT	N/A	1'-8"X10" LANDSCAPE
MP-08	VIRGINIA GROUCH DELGADO (REMOVED BY OWNER)	11"-6"X10"	2'-2"X0'-4" LANDSCAPE
MP-09	PAGE E. IRENE	11"X5"	1'X0' LANDSCAPE
MP-10	A TREE FOR THE ME SOCIETY	10"X10"	1'-6"X1'-8"X0' LANDSCAPE
MP-11	A TREE FOR THE ME SOCIETY	14"X12"	1'-0"X1'-4" LANDSCAPE
MP-12	RAY SEARLES	16"X8"	1'-0"X1'X0' LANDSCAPE
MP-13	ELSIE & BILL KOESNITZ (REMOVED BY OWNER)	11"X5"	1'-2"X1'-0" LANDSCAPE
MP-14	RED DOLORES JAMES	11"X5"	1'X0' LANDSCAPE
MP-15	TOUCH & SMELL GARDEN	N/A	1'-8"X 0' LANDSCAPE
MP-16	TODD HANSEN BENCH	N/A	TYP.
MP-17	MESQUITE GARDEN CLUB MEMORIAL BENCH	N/A	84"X18"X22"
MP-18	MESQUITE GARDEN CLUB MEMORIAL BENCH	N/A	48"X18"X18"
MP-19	MESQUITE GARDEN CLUB MEMORIAL BENCH	N/A	45"X18"X18"
MP-20	MESQUITE GARDEN CLUB MEMORIAL BENCH	N/A	48"X18"X18"
MP-21	MESQUITE GARDEN CLUB MEMORIAL BENCH	N/A	48"X18"X18"
MP-22	MESQUITE GARDEN CLUB/THE GREEN AMID THE GLITTER BENCH	N/A	TYP.
MP-23	MESQUITE GARDEN CLUB/THE GREEN AMID THE GLITTER BENCH	N/A	TYP.
MP-24	CLV HISTORIC MARKER	N/A	2'-0"X2'-2"X4'-0"
MP-25	THE GREEN AMID THE GLITTER TRASH RECEPTACLE	N/A	TYP.
MP-26	THE GREEN AMID THE GLITTER TRASH RECEPTACLE	N/A	TYP.
MP-27	THE GREEN AMID THE GLITTER TRASH RECEPTACLE	N/A	TYP.
MP-28	ALBERT WARNER MITCHELL	6"X15"X0"	14.25"X8.75" LANDSCAPE

NOTE:
FOR MEMORIALS LOCATED DURING CONSTRUCTION WHICH ARE NOT INDICATED ON THE PLANS, CONTRACTOR IS TO PRESERVE MEMORIAL AND CONTACT CLV REPRESENTATIVE FOR DIRECTION.

EXISTING TREE LEGEND

SYMBOL	DESCRIPTION	**QTY.
●	PROTECT IN PLACE	228
■	TREE STUMP TO BE REMOVED	242
	***EXISTING TREE TO BE RELOCATED	28
▲	EXISTING TREE TO BE REMOVED	7

**QUANTITIES DISCLAIMER: SEE SPECIFICATIONS SECTION 01 10 00, 1.2
***FOR TREE RELOCATION SEE SHEETS L3.00-L3.10 FOR NEW LOCATIONS

EXISTING MEMORIAL LEGEND

SYMBOL	DESCRIPTION	**QTY.
	MEMORIAL PLAQUE	28
	ART WORK TO BE REMOVED	2
	MEMORIAL STATUE	9
	BOULDER MEMORIAL	4
	FLAGPOLE	2
	EXISTING SIGNAGE	4

*FOR MEMORIAL RELOCATION SEE SHEETS L5.00-L5.10 FOR NEW LOCATIONS
**QUANTITIES DISCLAIMER: SEE SPECIFICATIONS SECTION 01 10 00, 1.2

DEMOLITION NOTES:

1. CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING LANDSCAPE MATERIAL TO REMAIN AS NOTED, INCLUDING BUT NOT LIMITED TO, ALL TREES, SHRUBS, GROUNDCOVER AND TURF. ALL PRESERVED TREES SHALL HAVE PROTECTIVE FENCING THROUGHOUT CONSTRUCTION. SEE DETAIL 'M' SHEET L1.01. ANY LANDSCAPE MATERIAL, WHICH INCLUDES TURF, THAT IS SPECIFIED TO REMAIN THAT IS DAMAGED DURING CONSTRUCTION WILL BE REPLACED WITH MATERIAL OF SAME SIZE AND TYPE AT CONTRACTOR'S EXPENSE, AT OWNERS DISCRETION. THIS INCLUDES TURF DAMAGED DURING THE INSTALLATION OF CONCRETE MOW CURBS.

2. ALL TURF, SHRUBS, GROUNDCOVERS, AND MULCH ARE TO BE REMOVED (UNLESS NOTED OTHERWISE) IN AREAS TO RECEIVE NEW LANDSCAPE.

3. CONTRACTOR TO CAP IRRIGATION LINES IN AREAS WHERE LINES WILL BE ABANDONED AS A PART OF PROJECT. CONTRACTOR TO ENSURE IRRIGATION IS PROVIDED DURING CONSTRUCTION FOR ALL LANDSCAPE TO REMAIN. EXISTING VALVES ARE TO BE REMOVED AND REPLACED WITH NEW VALVES IN LOCATIONS WITHIN LIMIT OF WORK BOUNDARY. EXISTING VALVES TO BE TURNED OVER TO OWNER'S REPRESENTATIVE. MAINLINE AND OTHER EXISTING COMPONENTS THAT REMAIN WILL BE MAINTAINED.

4. IN ALL AREAS TO REMAIN, CONTRACTOR IS TO RECONNECT (EXTEND AS NEEDED) EXISTING IRRIGATION WIRING AND PIPING TO NEW SYSTEM. CONTRACTOR IS TO VERIFY PROPER WORKING ORDER OF ALL EXISTING IRRIGATION COMPONENTS IN, AND ADJACENT TO, IMPACTED AREAS AND REPLACE AS NOTED.

5. CONTRACTOR SHALL LOCATE AND VERIFY SIZE, LINETYPE, CONDITION, AND DEPTH OF ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA PRIOR TO CONSTRUCTION. ANY DAMAGE TO UTILITIES WILL BE CONTRACTORS RESPONSIBILITY, REPAIR AND ANY ASSOCIATED COSTS WILL BE AT CONTRACTORS EXPENSE.

6. TREE STUMPS FOR DEMOLITION HAVE BEEN MARKED ON THE PLANS. CONTRACTOR TO FIELD VERIFY THAT TREES IDENTIFIED IN THE FIELD CORRESPOND WITH PLANS.

7. ALL COTTONWOODS AND SALT CEDARS TO BE REMOVED SHALL BE TREATED WITH A CUT-STUMP APPLICATION OF AN APPROVED HERBICIDE. APPLY PER MANUFACTURER SPECIFICATIONS UNTIL DEATH IS DETERMINED BY AN ARBORIST.

GARLON 4 ULTRA — DON AGRISCIENCES
OR
ROUNDUP PRO — MONSANTO CORPORATION
OR APPROVED EQUAL

8. ANY IRRIGATION EQUIPMENT DAMAGED BY CONTRACTOR WILL BE REPLACED AT CONTRACTOR'S EXPENSE WITH EQUIPMENT RECOMMENDED BY OWNER'S REPRESENTATIVE.

9. TO ENSURE PROPER IRRIGATION, CONTRACTOR SHALL ADJUST IRRIGATION HEADS TO PROVIDE HEAD TO HEAD COVERAGE FOR ALL TURF AREAS THAT ARE TO REMAIN. IRRIGATION IN TURF AREAS ADJACENT TO NEW CONSTRUCTION, WHICH ARE IMPACTED BY NEW CONSTRUCTION, ARE TO BE ADJUSTED TO PROVIDE HEAD TO HEAD COVERAGE.

10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING SITE CONDITIONS AND NOTIFY THE OWNER'S REPRESENTATIVE OF ALL DISCREPANCIES PRIOR TO BEGINNING WORK.

11. THE MIGRATORY BIRD TREATY ACT (MBTA) PROHIBITS INJURY AND DISTURBANCE TO NATIVE BIRDS, ACTIVE NESTS, EGGS AND YOUNG. DEMOLITION ACTIVITIES FOR EXISTING PLANTING MATERIAL MUST OCCUR BETWEEN SEPTEMBER AND FEBRUARY, OUTSIDE OF THE BIRD BREEDING SEASON, WHICH IS GENERALLY DEFINED AS MARCH THROUGH AUGUST.

12. CONTRACTOR RESPONSIBLE FOR DISPOSAL OF ALL DEMOLISHED MATERIALS.

13. A PRE-CONSTRUCTION SITE VISIT WITH OWNER'S REPRESENTATIVE, LANDSCAPE ARCHITECT, AND ARBORIST IS REQUIRED.

14. ALL TREES OR TREE STUMPS TO BE REMOVED WILL REQUIRE GRINDING OF STUMPS, ROOTS, ETC TO A MINIMUM OF 1'-0" BELOW EXISTING GRADE.

TREE SIZE LEGEND

S= LESS THAN 12" DIA.
M= 12" - 24" DIA.
L= MORE THAN 24" DIA.

SOD REMOVAL PROCEDURE

TO REMOVE SOD APPLY GLYPHOSATE, OR A SIMILAR NON-SELECTIVE HERBICIDE FOR CHEMICAL DESTRUCTION. ONCE THE TURF GRASS IS DEAD, IT MAY BE SCALPED (CUT AS LOW AS POSSIBLE WITH A FLAIL MOWERS) AND RAKED CLEAN. THIS CAN BE ACHIEVED MECHANICALLY WITH A SWEEPER OR BY HAND. EXISTING TREES' ROOT SYSTEM LIES WITHIN THE TOP FOOT OF SOIL AND THERE SHOULD BE MINIMAL DISRUPTION IN THIS AREA. THE MECHANICAL REMOVAL OF SOD SHOULD BE LIMITED TO ONLY IN THE AREAS NEAR THE BACKS OF SIDEWALKS AND OPEN TURF AREAS AWAY FROM THE DRIP LINE OF TREES.

RECORD AS-BUILT

Lorenzi Park 2017 9 PRINTED ON RECYCLED PAPER

L A S V E G A S N V
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T. 702.253.8330 | F. 702.253.1018
C A R L S B A D C A
2249 FARADAY AVE. | CARLSBAD, CA 92008
JWZunino.com | NV #1363 | CA #28344 | AZ #28344 | CA #3930 | TX #3930
J W Z U N I N O
LANDSCAPE ARCHITECTURE

REVISIONS

CONSULTANT

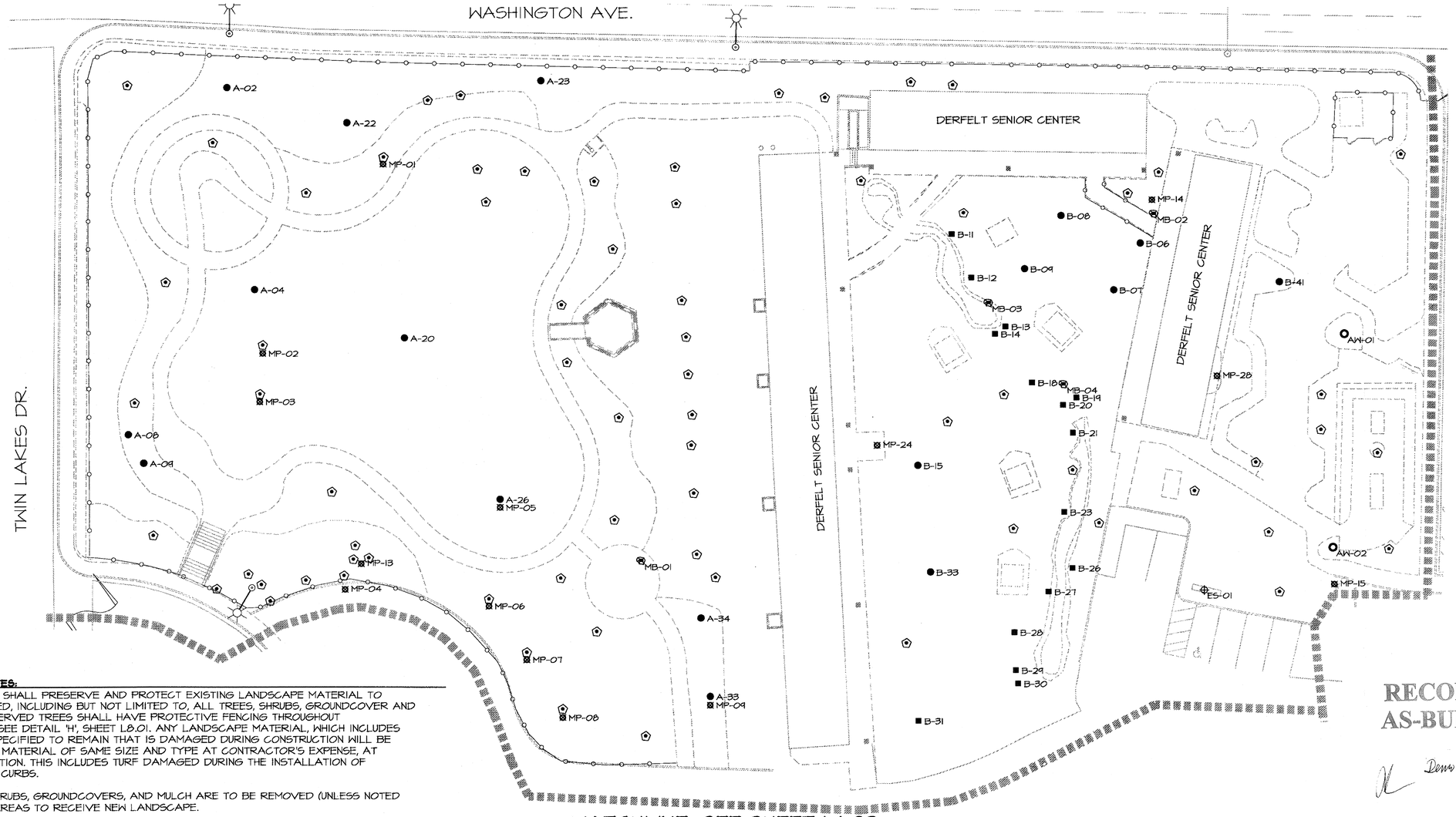
LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
EXISTING TREE/MEMORIAL SCHEDULE & DEMOLITION NOTES

STAMP

REGISTERED LANDSCAPE ARCHITECT — CHRISTOPHER J. LANGHAM — 7831 — Expires 6/30/12 — STATE OF NEVADA

OWNER: CITY OF LAS VE

TREE ZONE	COMMON NAME	EXISTING TO REMAIN IN PLACE OR RELOCATE	APPROXIMATE SIZE
N/A	TREE STUMP	ID	M
A-02	MESQUITE	IP	M
N/A	TREE STUMP	ID	M
A-04	KUMQUAT	IP	M
N/A	TREE STUMP	ID	S
N/A	TREE STUMP	ID	FIELD VERIFY
N/A	TREE STUMP	ID	M
A-08	PALM	IP	L
A-09	PALM	IP	L
N/A	TREE STUMP	ID	M
N/A	TREE STUMP	ID	S
N/A	TREE STUMP	ID	M
N/A	TREE STUMP	ID	S
N/A	TREE STUMP	ID	M
N/A	TREE STUMP	ID	S
N/A	TREE STUMP	ID	S
N/A	TREE STUMP	ID	M
N/A	TREE STUMP	ID	S
N/A	TREE STUMP	ID	M
N/A	TREE STUMP	ID	S
N/A	TREE STUMP	ID	M
N/A	TREE STUMP	ID	S
A-20	EVERGREEN OAK	IP	L
N/A	TREE STUMP	ID	S
A-22	MESQUITE	IP	M
A-23	MESQUITE	IP	M
N/A	TREE STUMP	ID	M
N/A	TREE STUMP	ID	M
A-26	UNKNOWN	IP	M
N/A	TREE STUMP	ID	M
N/A	TREE STUMP	ID	M
N/A	TREE STUMP	ID	S
N/A	TREE STUMP	ID	S
N/A	TREE STUMP	ID	S
N/A	TREE STUMP	ID	S
N/A	TREE STUMP	ID	S
A-33	ASH	IP	M
A-34	PRIVET	IP	M
N/A	TREE STUMP	ID	S
N/A	TREE STUMP	ID	S
N/A	TREE STUMP	ID	S
N/A	TREE STUMP	ID	S
N/A	TREE STUMP	ID	S



MATCHLINE, SEE SHEET L1.02

MATCHLINE, SEE SHEET L1.03

RECORD AS-BUILT

Dena Thm 11.15.11

DEMOLITION NOTES:

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4. IN ALL AREAS TO REMAIN, CONTRACTOR IS TO RECONNECT (EXTEND AS NEEDED) EXISTING IRRIGATION WIRING AND PIPING TO NEW SYSTEM. CONTRACTOR IS TO VERIFY PROPER WORKING ORDER OF ALL EXISTING IRRIGATION COMPONENTS IN, AND ADJACENT TO, IMPACTED AREAS AND REPLACE AS NOTED.

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6. TREE STUMPS FOR DEMOLITION HAVE BEEN MARKED ON THE PLANS. CONTRACTOR TO FIELD VERIFY THAT TREES IDENTIFIED IN THE FIELD CORRESPOND WITH PLANS.

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GARLON 4 ULTRA OR ROUNDUP PRO
DOW AGROSCIENCES MONSANTO CORPORATION
OR APPROVED EQUAL

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10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING SITE CONDITIONS AND NOTIFY THE OWNER'S REPRESENTATIVE OF ALL DISCREPANCIES PRIOR TO BEGINNING WORK.

11. THE MIGRATORY BIRD TREATY ACT (MBTA) PROHIBITS INJURY AND DISTURBANCE TO NATIVE BIRDS, ACTIVE NESTS, EGGS AND YOUNG. DEMOLITION ACTIVITIES FOR EXISTING PLANTING MATERIAL MUST OCCUR BETWEEN SEPTEMBER AND FEBRUARY; OUTSIDE OF THE BIRD BREEDING SEASON, WHICH IS GENERALLY DEFINED AS MARCH THROUGH AUGUST.

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EXISTING TREE LEGEND

SYMBOL	DESCRIPTION	***QTY.	REMARKS
●	PROTECT IN PLACE	235	
⬟	TREE STUMP TO BE REMOVED	242	
■	EXISTING TREE TO BE RELOCATED	28	SEE SHEETS L3.00-L3.10 FOR NEW LOCATIONS

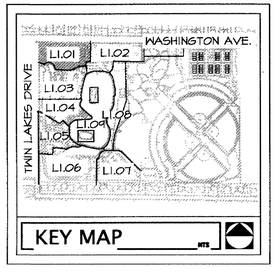
EXISTING MEMORIAL LEGEND

SYMBOL	**DESCRIPTION	***QTY.
⊠	MEMORIAL PLAQUE	28
O	ART WORK TO BE REMOVED	2
✳	MEMORIAL STATUE	9
	BOULDER MEMORIAL	4
■	FLAGPOLE	2
⊕	EXISTING SIGNAGE	4

*FOR MEMORIAL RELOCATION SEE SHEETS L5.00-L5.10 FOR NEW LOCATIONS
**FOR MEMORIAL AND ART WORK SCHEDULE SEE SHEET L1.00
***QUANTITIES DISCLAIMER: SEE SPECIFICATIONS SECTION 01 10 00, 1.2

SOD REMOVAL PROCEDURE

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0 20' 40' 80'
SCALE: 1" = 20'-0"

NORTH

Call before you OVERHEAD 1-702-221-2929 (NEVADA POWER, SIERRA POWER, AND SAFETY SERVICES DEPARTMENT)

Call before you Dig. CALL 811 (UNDERGROUND SERVICE ALERT SOR)

Lorenz Park-0181.tif

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REVISIONS

CONSULTANT

LAS VEGAS NV
2501 CORPORATE BLVD. #E
HENDERSON, NEVADA 89074
702.837.1850

CARLSBAD CA
2442 FARADAY AVE, CARLSBAD, CA 92008
760.931.8700

JWZUNINO.com | NEVADA: 3067 | ARIZONA: 69411 | CALIFORNIA: 26000 | NV # 0061 LIST #0084A | NM #3063 | AZ #20154 | CA #3738 | TN #1738

JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
EXISTING CONDITIONS AND DEMOLITION PLAN

STAMP

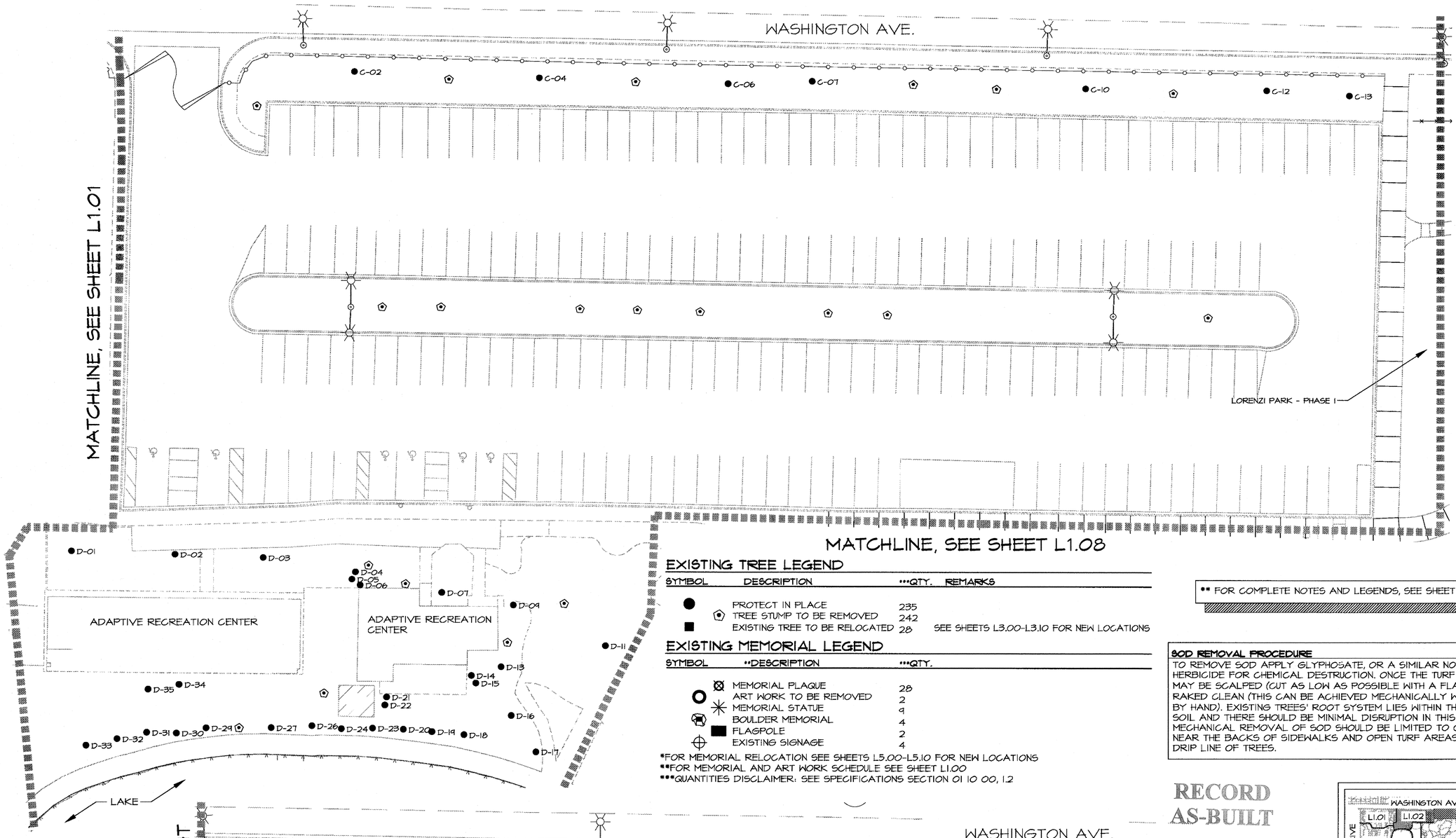
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. ANDRIAN
733
STATE OF NEVADA
Expires 2-29-12

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	ME
FILE	136-Tree & Memorial Survey
DATE	6/27/2011
SCALE	1"=20'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L1.01

DRAWINGS AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE DESIGN PROFESSIONAL WHOSE STAMP OF CERTIFICATION APPEARS ON THE DRAWINGS AND SPECIFICATIONS RETAINED BY THE CLIENT MAY BE UTILIZED ONLY FOR OCCUPYING THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT IN ANY OR ALL CASES WITHOUT WRITTEN CONSENT IS STRICTLY PROHIBITED COPIES OF THE DRAWINGS AND SPECIFICATIONS RETAINED BY THE CLIENT MAY BE UTILIZED ONLY FOR OCCUPYING THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT IN ANY OR ALL CASES WITHOUT WRITTEN CONSENT IS STRICTLY PROHIBITED



EXISTING TREE LEGEND

SYMBOL	DESCRIPTION	***QTY.	REMARKS
●	PROTECT IN PLACE	235	
⬠	TREE STUMP TO BE REMOVED	242	
■	EXISTING TREE TO BE RELOCATED	28	SEE SHEETS L3.00-L3.10 FOR NEW LOCATIONS

EXISTING MEMORIAL LEGEND

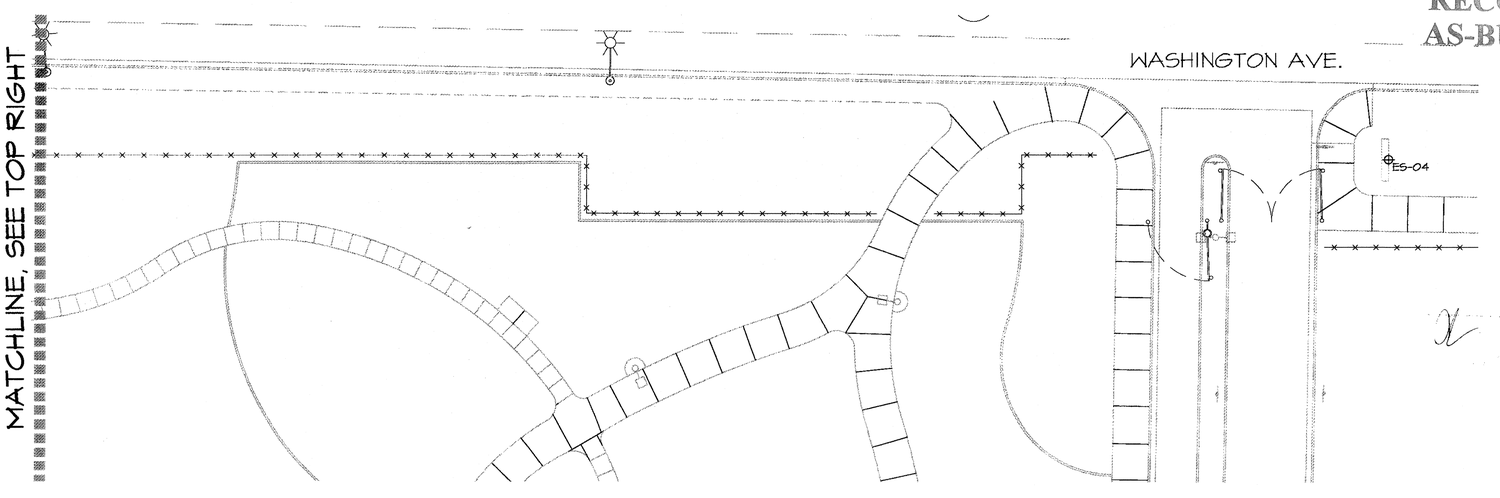
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⊕	EXISTING SIGNAGE	4

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***QUANTITIES DISCLAIMER: SEE SPECIFICATIONS SECTION 01 10 00, 1.2

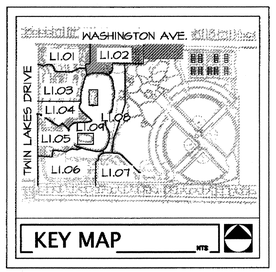
** FOR COMPLETE NOTES AND LEGENDS, SEE SHEET L1.00 **

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RECORD AS-BUILT



Demo. Plan 11.15.11

0 20' 40' 80'

SCALE: 1" = 20'-0"

NORTH

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER EMPLOYMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 (NEVADA BLUE STAKE ALERT, 1-800)

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CONSULTANT

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T: 702.451.2580 F: 702.451.2581

CARLSBAD CA
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LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
EXISTING CONDITIONS AND DEMOLITION PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LINDAM 739 Expires 6/30/12 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

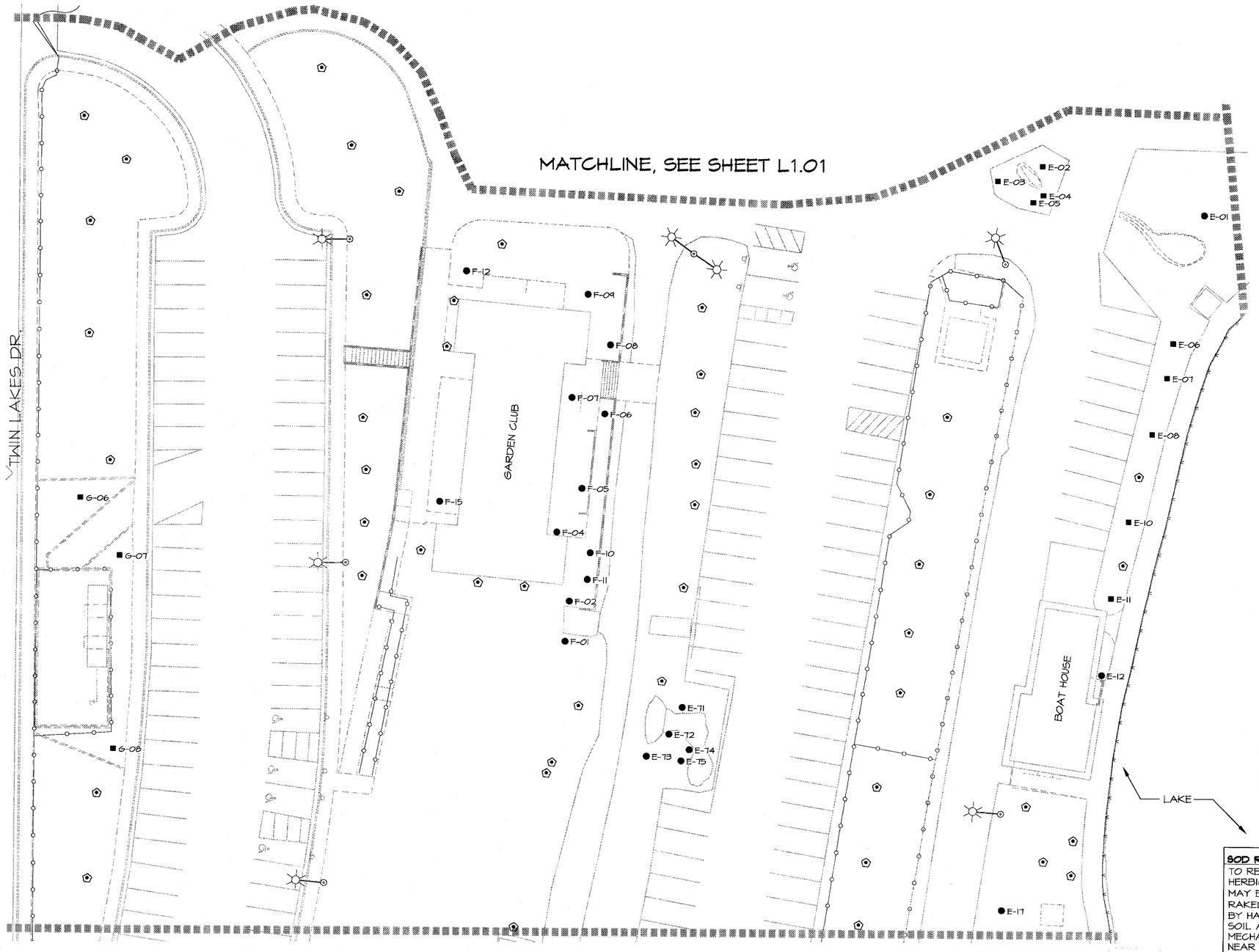
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	ME
FILE	E56-Tree & Memorial Survey
DATE	6/27/2011
SCALE	1"=20'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L1.02

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Lorenzi Park-0182.ipf



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GARLON 4 ULTRA — DOW AGROSCIENCES
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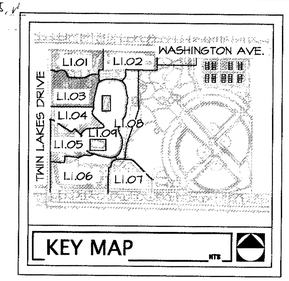
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RECORD AS-BUILT



SCALE: 1" = 20'-0"

NORTH

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 NEVADA811 SERVICE ALERT (SAVI)

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CONSULTANT

LAS VEGAS NV
3181 SUNRISE BLVD. LAS VEGAS, NV 89145
CARLSBAD CA
2965 FARADAY AVE. CARLSBAD, CA 92010
JWZUNINO | JwzuninoLA.com | LAS VEGAS | SAN DIEGO | LOS ANGELES
NV #1000 | UT #10284-1 | NM #387 | AZ #32134-1 | CA #3788 | TX #7788

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
EXISTING CONDITIONS AND DEMOLITION PLAN

STAMP

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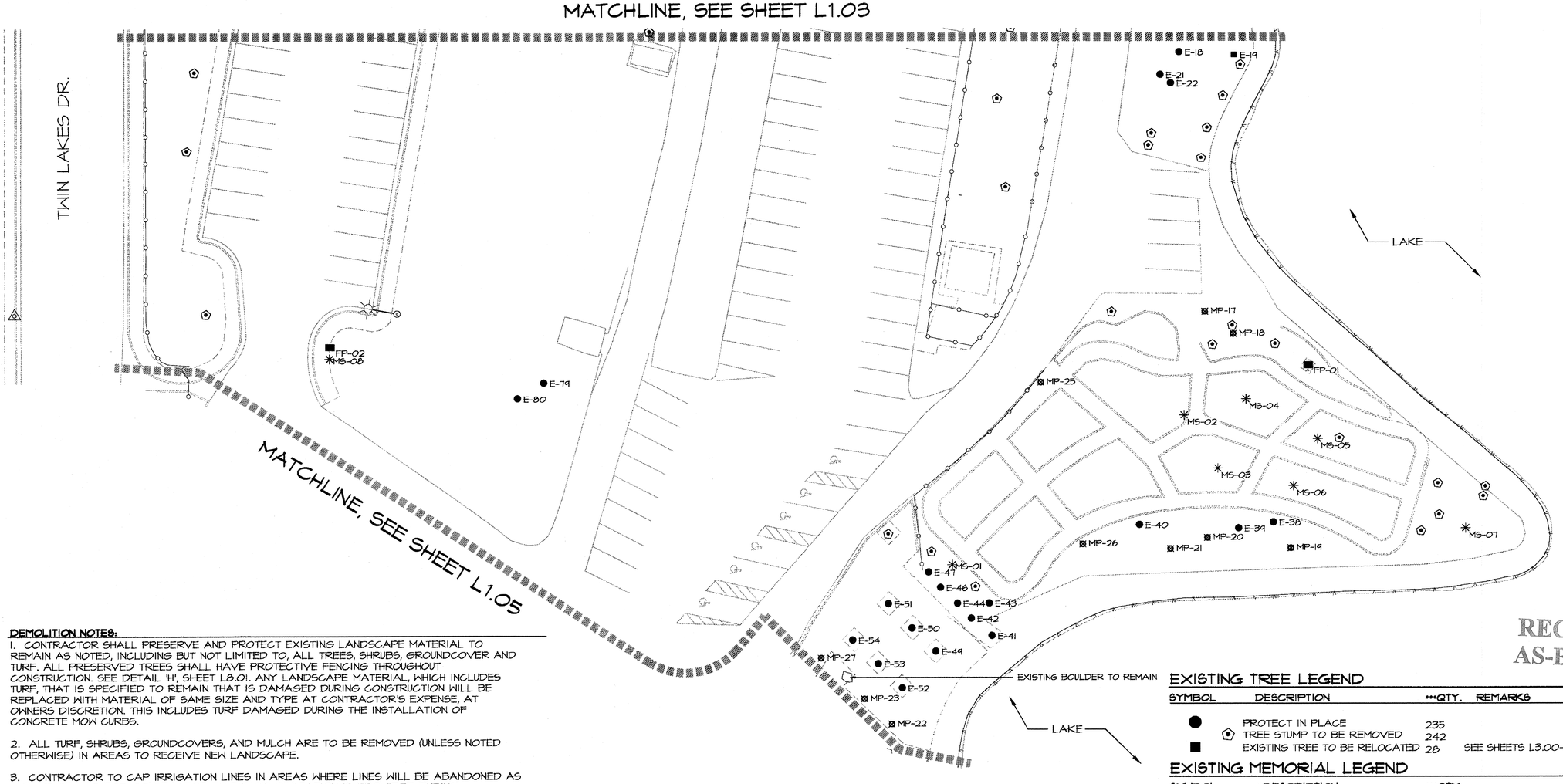
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400 EAST STEWART AVENUE
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PHONE: (702) 229-6535
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DRAWN	ME
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DATE	6/27/2011
SCALE	1"=20'-0"
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L1.03

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LORENZI PARK RENOVATION_PHASE 2_CITY OF LAS VEGAS_100% SUBMITTAL_EXISTING CONDITIONS AND DEMOLITION PLAN_L1.03.DWG



RECORD AS-BUILT

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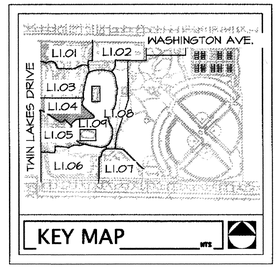
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Dennis Phan 11.15.11

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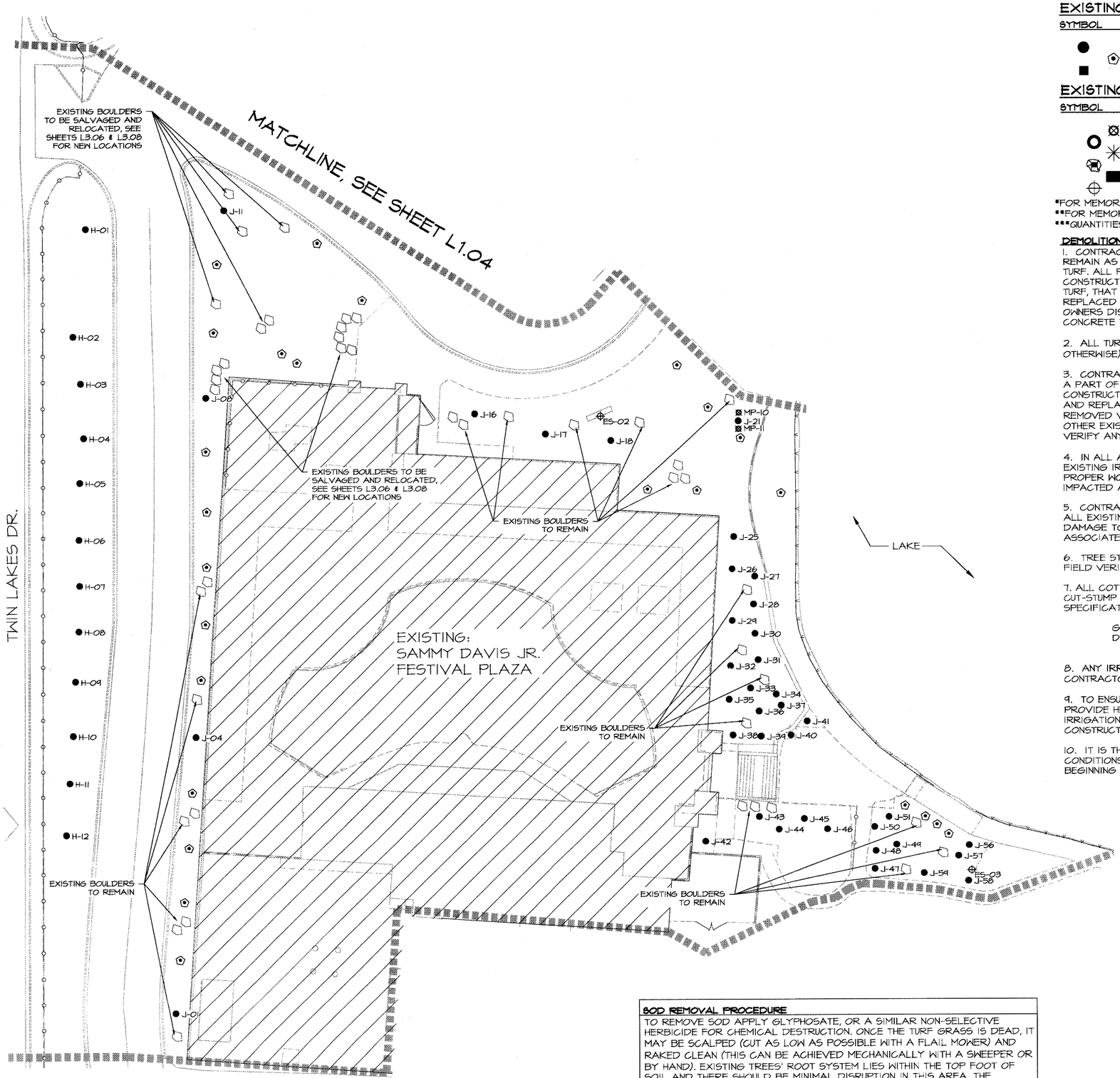
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Lorenzi Park-0184.dwg



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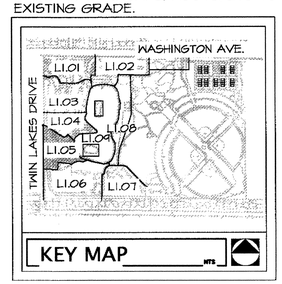
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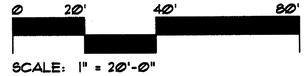
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SCALE: 1" = 20'-0"

NORTH

Call before you OVERHEAD 1-702-227-2929 (GIVES POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT)

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REVISIONS

CONSULTANT

LAS VEGAS NV
LAS VEGAS, NEVADA 89146
CARLSBAD CA
2439 VANTAGE AVE, CARLSBAD, CA 92009

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LANDSCAPE ARCHITECTURE

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LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
EXISTING CONDITIONS AND DEMOLITION PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. LANGHAM
733
Expires 2.28.12
STATE OF NEVADA

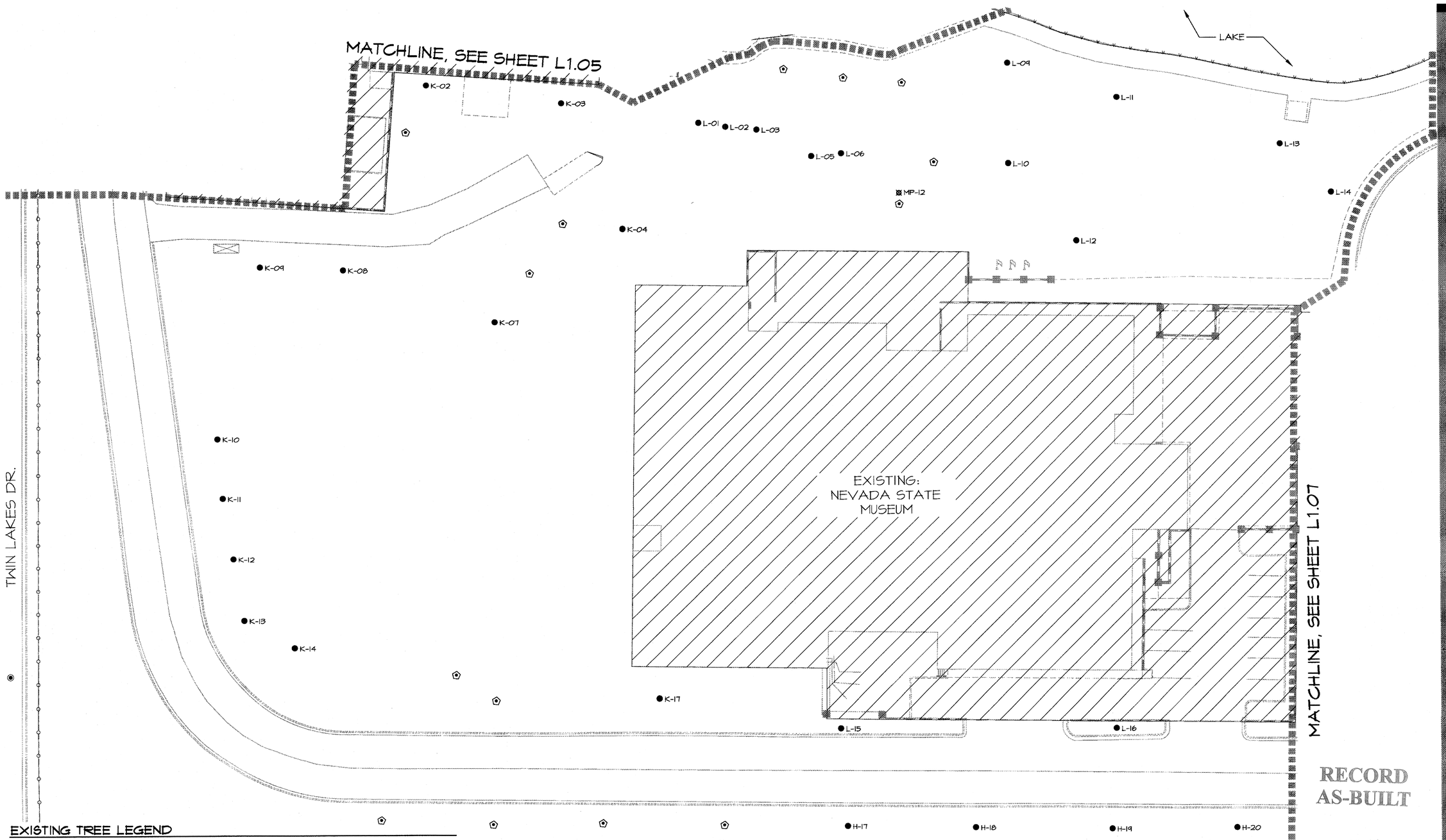
OWNER: CITY OF LAS VEGAS
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LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	ME
FILE	EXs-Trees & Memorial Survey
DATE	6/27/2011
SCALE	1"=20'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L1.05

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Lorenzi Park-0185.ifc PRINTED ON RECYCLED PAPER



RECORD AS-BUILT

L.S. Plum 11.15.11

EXISTING TREE LEGEND

SYMBOL	DESCRIPTION	***QTY.	REMARKS
●	PROTECT IN PLACE	235	
⬠	TREE STUMP TO BE REMOVED	242	
■	EXISTING TREE TO BE RELOCATED	28	SEE SHEETS L3.00-L3.10 FOR NEW LOCATIONS

EXISTING MEMORIAL LEGEND

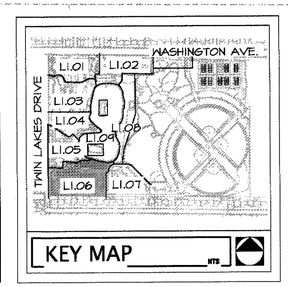
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✳	MEMORIAL STATUE	9
⬟	BOULDER MEMORIAL	4
■	FLAGPOLE	2
⊕	EXISTING SIGNAGE	4

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**FOR MEMORIAL AND ART WORK SCHEDULE SEE SHEET L1.00
***QUANTITIES DISCLAIMER: SEE SPECIFICATIONS SECTION 01 10 00, 1.2

** FOR COMPLETE NOTES AND LEGENDS, SEE SHEET L1.00 **

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0 20' 40' 80'
SCALE: 1" = 20'-0"

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NEVADA POWER/SIERRA PACIFIC ENERGY SERVICES DEPARTMENT

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PHONE: (702) 222-8222 | FAX: (702) 222-8225

CARLSBAD, CA
2965 FARADAY AVE. | CARLSBAD, CA 92010

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LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
EXISTING CONDITIONS AND DEMOLITION PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER L. LANGHAM
783
Expires: 12.31.12
STATE OF NEVADA

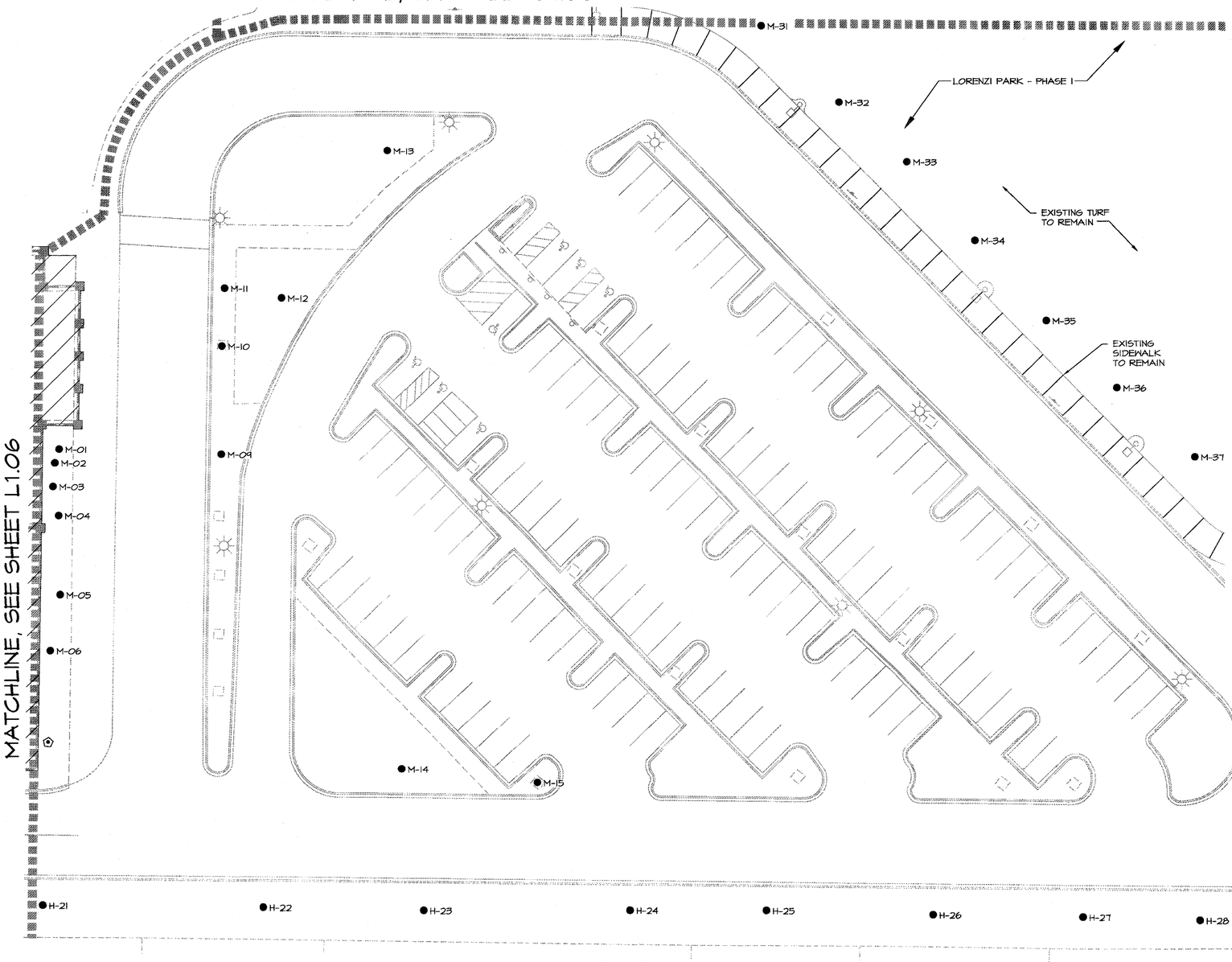
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400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-3232
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DRAWN	ME
FILE	136-Tree & Memorial Survey
DATE	6/21/2011
SCALE	1"=20'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L1.06

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GARLON 4 ULTRA — DOW AGROSCIENCES
OR
ROUNDUP PRO — MONSANTO CORPORATION
OR APPROVED EQUAL

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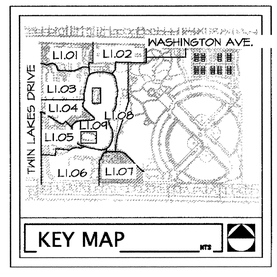
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***QUANTITIES DISCLAIMER: SEE SPECIFICATIONS SECTION 01 10 00, 1.2

RECORD AS-BUILT

L.S. Plan 11.15.21



0 20' 40' 80'
SCALE: 1" = 20'-0"

NORTH

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REVISIONS

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SYP CONSULTANTS LAS VEGAS, NV 89146
CARLSBAD CA

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NV #10010 | 2002241 | AZ #25341 | CA #3361 | TX #7761

J W Z U N I N I O

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
EXISTING CONDITIONS AND DEMOLITION PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
733
Expires 6/30/22
STATE OF NEVADA

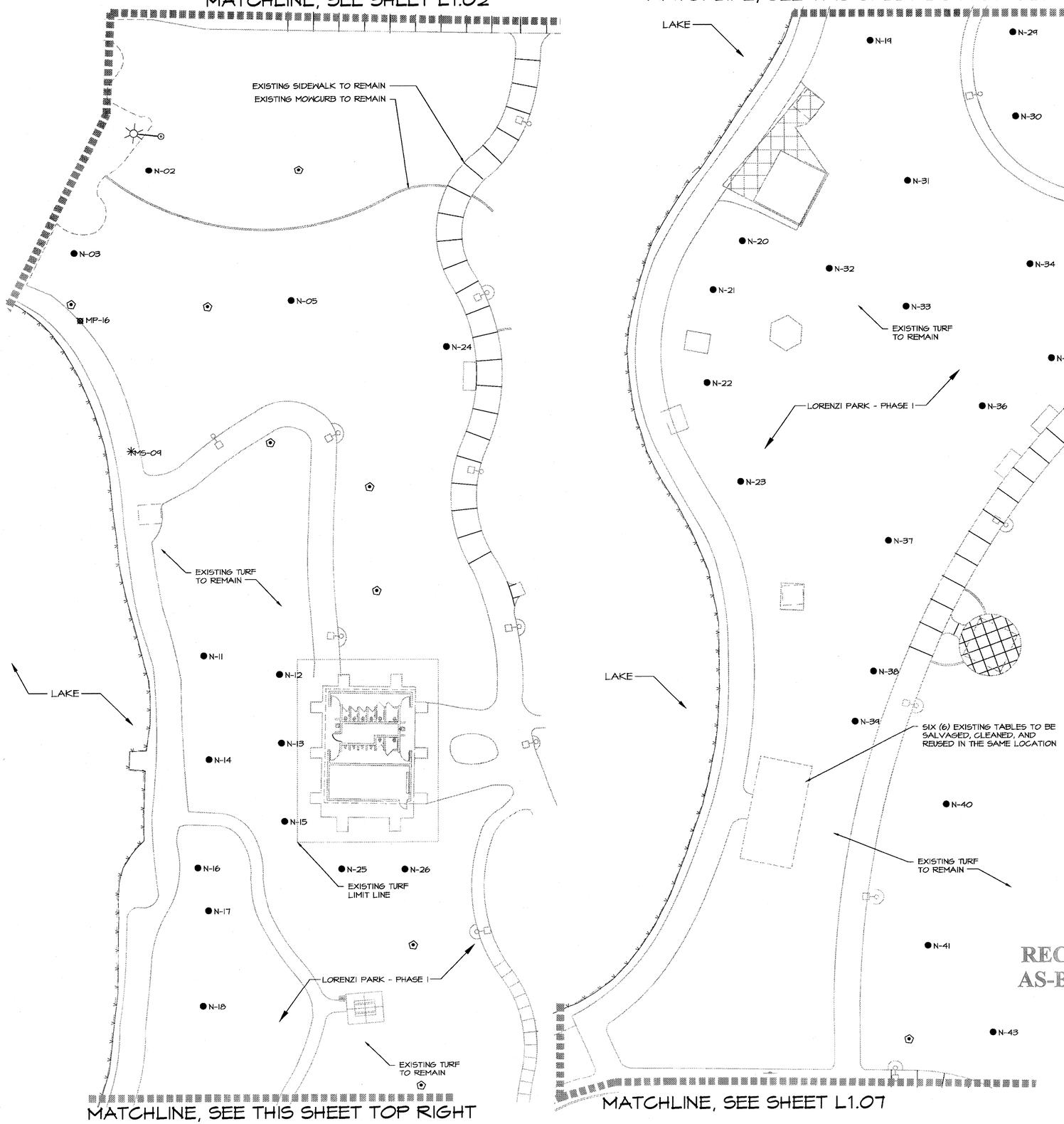
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DEPARTMENT OF PUBLIC WORKS

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PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	ME
FILE	E36-Tree + Memorial Survey
DATE	6/27/2019
SCALE	1"=20'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L1.07

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Lorenzi Park-0182



EXISTING TREE LEGEND

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⬟	TREE STUMP TO BE REMOVED	242	
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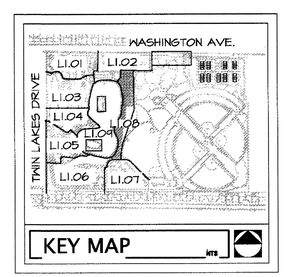
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RECORD AS-BUILT

L.S. Plan 11.5.11



0 20' 40' 80'
SCALE: 1" = 20'-0"

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CARLSBAD CA
2635 FARADAY AVE. CARLSBAD, CA 92008
jwzuniino.com | LAS VEGAS | ORANGE/LA | CHICAGO/NE
NV #1551 | UT #12281 | AZ #32134 | CA #32781 | TX #1726
J W Z U N I I N O
LANDSCAPE ARCHITECTURE

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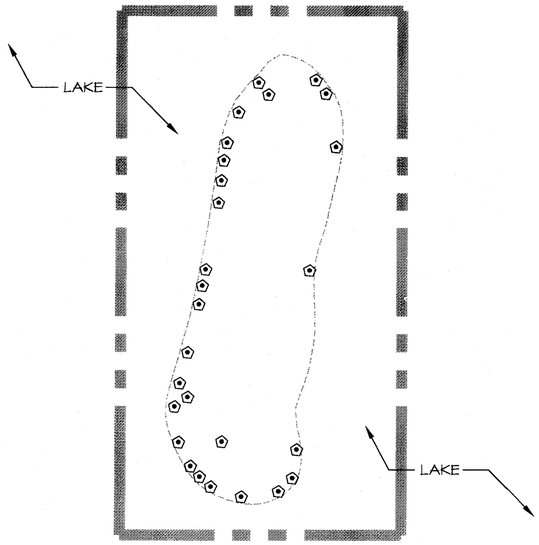
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STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
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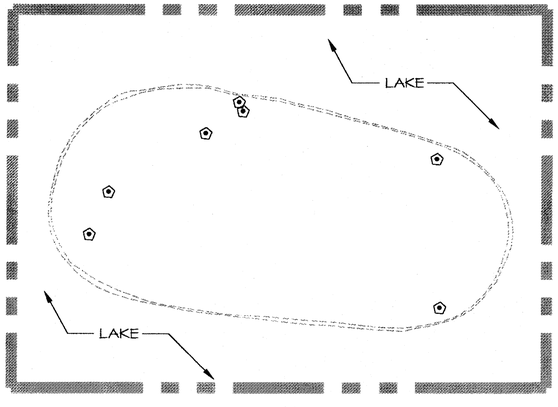
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SHT NO	L1.08

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NORTH ISLAND



SOUTH ISLAND

EXISTING TREE LEGEND

SYMBOL	DESCRIPTION	***QTY.	REMARKS
●	PROTECT IN PLACE	235	
⬠	TREE STUMP TO BE REMOVED	242	
■	EXISTING TREE TO BE RELOCATED	28	SEE SHEETS L3.00-L3.10 FOR NEW LOCATIONS

EXISTING MEMORIAL LEGEND

SYMBOL	**DESCRIPTION	***QTY.
⊠	MEMORIAL PLAQUE	28
O	ART WORK TO BE REMOVED	2
✳	MEMORIAL STATUE	9
⊠	BOULDER MEMORIAL	4
■	FLAGPOLE	2
⊕	EXISTING SIGNAGE	4

*FOR MEMORIAL RELOCATION SEE SHEETS L5.00-L5.10 FOR NEW LOCATIONS
**FOR MEMORIAL AND ART WORK SCHEDULE SEE SHEET L1.00
***QUANTITIES DISCLAIMER: SEE SPECIFICATIONS SECTION 01 10 00, 1.2

DEMOLITION NOTES:

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GARLON 4 ULTRA — DOW AGROSCIENCES
OR
ROUNDUP PRO — MONSANTO CORPORATION
OR APPROVED EQUAL

8. ANY IRRIGATION EQUIPMENT DAMAGED BY CONTRACTOR WILL BE REPLACED AT CONTRACTOR'S EXPENSE WITH EQUIPMENT RECOMMENDED BY OWNER'S REPRESENTATIVE.

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12. CONTRACTOR RESPONSIBLE FOR DISPOSAL OF ALL DEMOLISHED MATERIALS.

13. A PRE-CONSTRUCTION SITE VISIT WITH OWNER'S REPRESENTATIVE, LANDSCAPE ARCHITECT, AND ARBORIST IS REQUIRED.

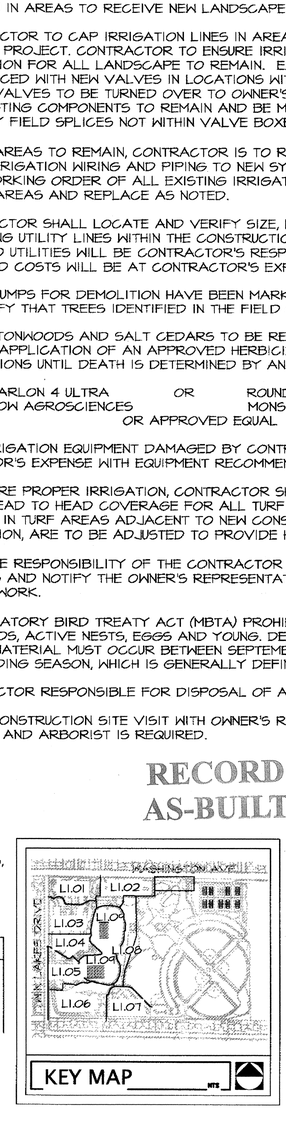
RECORD AS-BUILT

L.S. Plan 11.13.12

_ TREES OR TREE STUMPS TO BE REMOVED WILL REQUIRE GRINDING OF STUMPS, 5, ETC TO A MINIMUM OF 12" BELOW EXISTING GRADE.

SOD REMOVAL PROCEDURE

TO REMOVE SOD APPLY GLYPHOSATE, OR A SIMILAR NON-SELECTIVE HERBICIDE FOR CHEMICAL DESTRUCTION. ONCE THE TURF GRASS IS DEAD, IT MAY BE SCALPED (CUT AS LOW AS POSSIBLE WITH A FLAIL MOWER) AND RAKED CLEAN (THIS CAN BE ACHIEVED MECHANICALLY WITH A SWEEPER OR BY HAND). EXISTING TREES' ROOT SYSTEM LIES WITHIN THE TOP FOOT OF



0 20' 40' 80'
SCALE: 1" = 20'-0"

NORTH

Call before you OVERHEAD 1-702-227-2424 NEVADA POWER (SUNRIVER) AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT (USA)

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jzunino.com | 760.431.1261 | commercial | residential
NV #1561 | UT #9384 | NM #983 | AZ #33134 | CA #3738 | TX #9788

J W Z U N I N O
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
EXISTING CONDITIONS AND DEMOLITION PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. UNGHIRE
7338
Expires: 6/30/12
STATE OF NEVADA

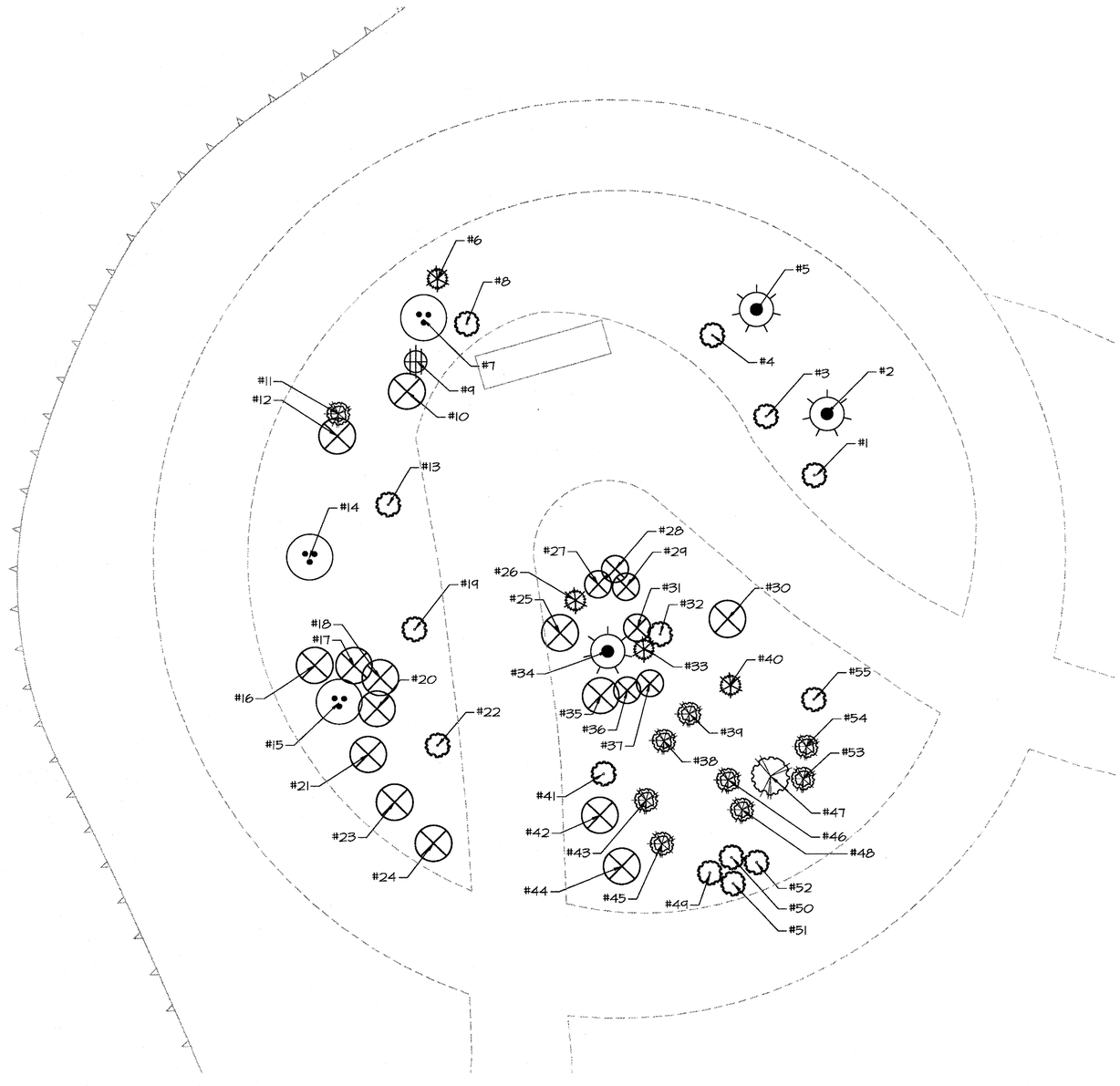
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	ME
FILE	136-Tree & Memorial Survey
DATE	6/27/2011
SCALE	1"=20'-0"
BID NO	10.1534.24
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L1.09

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Lorenzi Park_07-89



CACTUS AND YUCCA SALVAGE PLAN

SCALE: 1/4"=1'-0"

EXISTING PLANT LEGEND

SYMBOL	DESCRIPTION	*QTY.	REMARKS
	EXISTING YUCCA	3	PROTECT IN PLACE
	EXISTING OCOTILLO	3	PROTECT IN PLACE
	EXISTING BARREL CACTUS	1	PROTECT IN PLACE
	EXISTING HEDGEHOG CACTUS	14	SALVAGE AND RELOCATE SEE SHEET L3.11 FOR NEW LOCATION
	EXISTING PRICKLY PEAR	4	SALVAGE AND RELOCATE SEE SHEET L3.11 FOR NEW LOCATION
	EXISTING BARREL CACTUS	9	SALVAGE AND RELOCATE SEE SHEET L3.11 FOR NEW LOCATION
	EXISTING AGAVE	1	SALVAGE AND RELOCATE SEE SHEET L3.11 FOR NEW LOCATION
	EXISTING TO BE REMOVED	20	

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GARLON 4 ULTRA — DOW AGROSCIENCES
OR
ROUNDUP PRO — MONSANTO CORPORATION
OR APPROVED EQUAL

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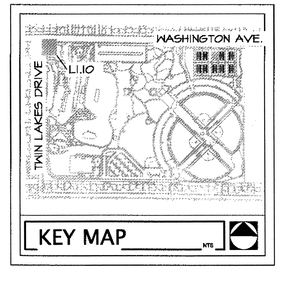
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RECORD AS-BUILT



L.S. Plan
THIS SHEET

0 4' 8' 16'
SCALE: 1/4" = 1'-0"

NORTH

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 (UNDERGROUND SERVICE ALERT SOAR)

REVISIONS

CONSULTANT

LAS VEGAS, NV
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JWZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
CACTUS AND YUCCA SALVAGE AND DEMOLITION PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
7333
Expires 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	AP
FILE	136-Rose 4 Cactus Inventory
DATE	6/27/2011
SCALE	1/4"=1'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L1.10

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MEMORIAL ROSE GARDEN SALVAGE PLAN

SCALE: 1/8"=1'-0"

EXISTING PLANT LEGEND

SYMBOL	DESCRIPTION	*QTY.	REMARKS
○	EXISTING MEMORIAL ROSES	307	SALVAGE AND RELOCATE, SEE SHEET L3.1.2 FOR NEW LOCATION
⊕	MEMORIAL STATUE	4	SALVAGE AND RELOCATE, SEE SHEET L1.04 FOR EXISTING LOCATIONS AND L5.01 FOR NEW LOCATIONS
⊗	ROSES TO BE REMOVED	29	NEW ROSE PLANT TO BE INSTALLED IN PLACE OF REMOVED ROSE PLANT. SEE NOTE #15.

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GARLON 4 ULTRA — DOW AGROSCIENCES
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ROUNDUP PRO — MONSANTO CORPORATION
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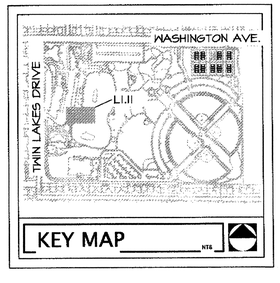
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BLOOM COLOR

1-SALMON
2-SALMON
3-MAGENTA
4-RED
5-RED
6-UNKNOWN
7-UNKNOWN
8-MAGENTA
9-PINK
10-PINK
11-LIGHT PINK
12-PINK
13-MAGENTA
14-MAGENTA
15-LIGHT PINK
16-MAGENTA
17-BRIGHT PINK
18-UNKNOWN
19-WHITE
20-WHITE
21-WHITE
22-WHITE
23-WHITE
24-WHITE
25-MAGENTA
26-RED
27-YELLOW/RED
28-BRIGHT PINK/ ORANGE
29-MAGENTA
30-PINK/LIGHT PINK
31-PINK
32-LIGHT YELLOW
33-YELLOW
34-UNKNOWN
35-RED
36-BRIGHT PINK
37-PINK
38-CREAM
39-BRIGHT YELLOW
40-YELLOW
41-PINK
42-YELLOW
43-UNKNOWN
44-PINK
45-UNKNOWN
46-UNKNOWN
47-RED
48-RED/WHITE
49-MAGENTA
50-CREAM
51-BRIGHT PINK
52-YELLOW
53-BRIGHT PINK/ ORANGE
54-LIGHT PINK
55-MAGENTA
56-UNKNOWN
57-CREAM/PINK
58-MAGENTA
59-BRIGHT PINK
60-RED/WHITE
61-UNKNOWN
62-YELLOW
63-PINK/YELLOW
64-MAGENTA
65-SALMON
66-BRIGHT PINK
67-PINK
68-RED
69-PINK
70-PINK
71-UNKNOWN
72-PINK/YELLOW
73-UNKNOWN
74-UNKNOWN
75-RED/WHITE
76-RED
77-UNKNOWN
78-UNKNOWN
79-WHITE
80-UNKNOWN
81-MAGENTA
82-UNKNOWN
83-UNKNOWN
84-PINK
85-UNKNOWN
86-BRIGHT PINK
87-YELLOW
88-SALMON
89-MAGENTA/WHITE
90-UNKNOWN
91-LAVENDER
92-PINK
93-UNKNOWN
94-UNKNOWN
95-DARK PINK
96-UNKNOWN
97-UNKNOWN
98-LAVENDER
99-UNKNOWN
100-MAGENTA
101-RED
102-PINK
103-PINK
104-UNKNOWN
105-UNKNOWN
106-UNKNOWN
107-UNKNOWN
108-RED
109-DEAD
110-DEAD
111-DEAD
112-DEAD
113-DEAD
114-MAGENTA
115-DEAD
116-PINK
117-MAGENTA
118-BRIGHT PINK
119-BRIGHT PINK
120-PINK
121-MAGENTA
122-RED
123-RED
124-LAVENDER
125-SALMON
126-RED
127-YELLOW
128-PINK
129-UNKNOWN
130-PINK
131-PINK
132-PINK
133-PINK
134-CORAL
135-LIGHT PINK/PINK
136-MAGENTA
137-MAGENTA
138-DARK PINK
139-PINK
140-UNKNOWN
141-UNKNOWN
142-MAGENTA
143-UNKNOWN
144-LIGHT PINK
145-MAGENTA/WHITE
146-MAGENTA
147-LIGHT YELLOW
148-LIGHT PINK
149-CORAL/YELLOW
150-WHITE
151-UNKNOWN
152-UNKNOWN
153-RED
154-MAGENTA
155-UNKNOWN
156-MAGENTA
157-MAGENTA
158-WHITE
159-MAGENTA
160-MAGENTA
161-BRIGHT PINK
162-MAGENTA
163-MAGENTA
164-PINK
165-BRIGHT PINK
166-PINK
167-MAGENTA
168-PINK
169-UNKNOWN
170-BRIGHT PINK/ CREAM
171-UNKNOWN
172-PINK
173-BRIGHT PINK
174-BRIGHT PINK
175-LAVENDER
176-UNKNOWN
177-MAGENTA
178-UNKNOWN
179-MAGENTA
180-MAGENTA
181-BRIGHT PINK
182-UNKNOWN
183-MAGENTA
184-UNKNOWN
185-UNKNOWN
186-PINK
187-PINK
188-MAGENTA
189-UNKNOWN
190-MAGENTA
191-MAGENTA
192-UNKNOWN
193-RED
194-UNKNOWN
195-RED
196-UNKNOWN
197-UNKNOWN
198-MAGENTA
199-DARK PINK
200-UNKNOWN
201-MAGENTA
202-CORAL
203-SALMON
204-MAGENTA
205-CORAL
206-PINK
207-BRIGHT PINK
208-MAGENTA
209-SALMON
210-DARK PINK
211-RED
212-MAGENTA
213-UNKNOWN
214-UNKNOWN
215-RED
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218-UNKNOWN
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220-RED
221-RED
222-UNKNOWN
223-UNKNOWN
224-DARK PINK
225-DARK PINK
226-UNKNOWN
227-UNKNOWN
228-UNKNOWN
229-DARK PINK
230-UNKNOWN
231-RED
232-UNKNOWN
233-RED
234-MAGENTA
235-RED
236-RED
237-MAGENTA
238-UNKNOWN
239-MAGENTA
240-PINK
241-UNKNOWN
242-UNKNOWN
243-UNKNOWN
244-LIGHT PINK
245-UNKNOWN
246-LIGHT PINK
247-UNKNOWN
248-MAGENTA
249-UNKNOWN
250-MAGENTA
251-UNKNOWN
252-UNKNOWN
253-UNKNOWN
254-MAGENTA
255-CORAL
256-CORAL
257-BRIGHT PINK
258-LIGHT PINK/ YELLOW
259-UNKNOWN
260-UNKNOWN
261-UNKNOWN
262-UNKNOWN
263-MAGENTA
264-LIGHT PINK/ YELLOW
265-MAGENTA
266-UNKNOWN
267-YELLOW/PINK
268-PINK
269-UNKNOWN
270-BRIGHT PINK/ LIGHT PINK
271-CORAL/CREAM
272-DARK PINK
273-MAGENTA
274-BRIGHT PINK
275-MAGENTA
276-LIGHT PINK
277-UNKNOWN
278-UNKNOWN
279-MAGENTA
280-PINK/YELLOW
281-DARK PINK
282-MAGENTA
283-RED
284-PINK/WHITE
285-CORAL
286-PINK
287-YELLOW
288-MAGENTA
289-MAGENTA
290-PINK
291-UNKNOWN
292-MAGENTA
293-MAGENTA
294-YELLOW
295-PINK
296-UNKNOWN
297-UNKNOWN
298-MAGENTA
299-UNKNOWN
300-YELLOW
301-UNKNOWN
302-UNKNOWN
303-UNKNOWN
304-MAGENTA
305-SALMON
306-CORAL/CREAM
307-UNKNOWN



RECORD AS-BUILT

U.S. Plan 11.15.17

SCALE: 1/8" = 1'-0"

NORTH

Call before you OVERHEAD 1-702-227-2929 — NEVADA POWER (ON PROPERTY) AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 — INTERMOUNTAIN SERVICE ALERT (USA)

REVISIONS

CONSULTANT

L A S V E G A S N V
319 S. JONES BLVD. | LAS VEGAS, NV 89145
T 702.252.8588 | F 702.252.1515

C A R L S B A D C A
2246 FARADAY AVE. | CARLSBAD, CA 92008

jwzuninno.com | JW ZUNINO | SAN DIEGO | LAS VEGAS | OAKDESIGN.CO.
NV #1301 LIT #1084 | NM #282 | AZ #31184 | CA #3758 | TX #1138

JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZ PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
MEMORIAL ROSE GARDEN SALVAGE AND DEMOLITION PLAN

THESE DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE DESIGN PROFESSIONAL WHOSE STAMP OF CERTIFICATION APPEARS ON THE DRAWINGS AND SPECIFICATIONS AND SHALL NOT BE USED BY ANY PERSON OR ENTITY FOR ANY PROJECT OTHER THAN THE ONE FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT IN ANY OR ON ANY EXTENSION OF THAT PROJECT, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE DESIGN PROFESSIONAL, WITHOUT PROPER WRITTEN CONSENT OF THE DESIGN PROFESSIONAL AND THE GIVING OF APPROPRIATE CREDIT. ALL UNPUBLISHED RIGHTS RESERVED UNDER FEDERAL COPYRIGHT LAWS. THIS DRAWING IS STRICTLY PROHIBITED FOR USE OR REPRODUCTION IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT OF THE DESIGN PROFESSIONAL.

STAMP

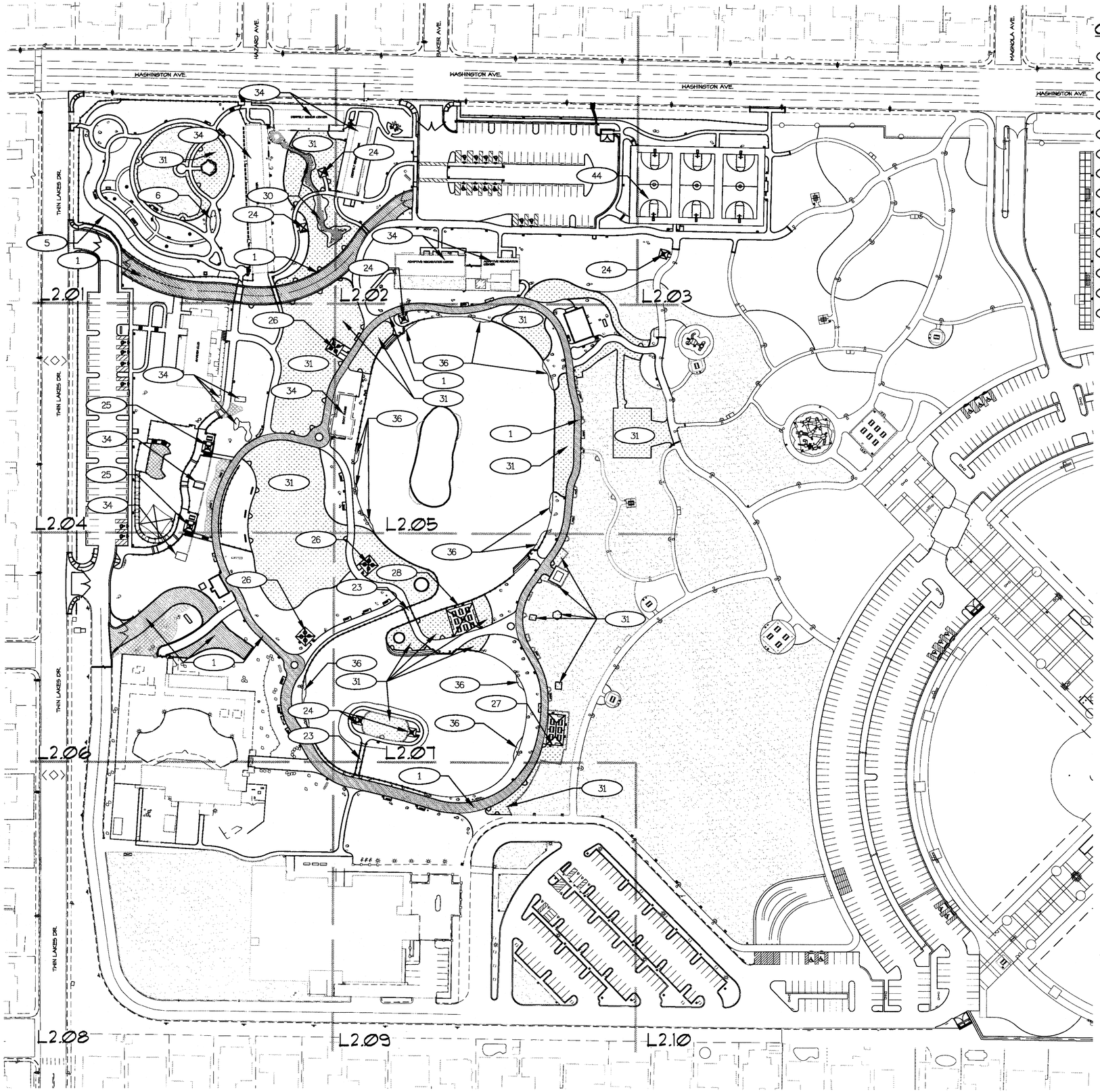
REGISTERED LANDSCAPE ARCHITECT — CHRISTOPHER J. LUNDQUIST — 733 — 6/27/17 — Expires 6/30/17 — STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	AP
FILE	E16-Rose 4 Calcius Inventory
DATE	6/27/2017
SCALE	1/8"=1'-0"
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L1.11

Lorenz Park-0191.tif
PRINTED ON RECYCLED PAPER



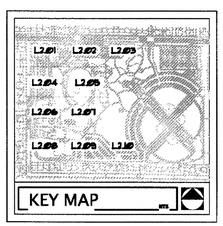
OVERALL CONSTRUCTION KEYNOTES:

1. COLORED CONCRETE PAVING, SEE SHEET L5.00
5. MEMORIAL PLAQUE WALL (A L6.01) (B L6.01) (C L6.01)
6. SENSORY GARDEN - PLANTER WALL WITH CONCRETE WALL CAP (H L8.05) (J L8.05)
23. PEDESTRIAN BRIDGE, SEE SHEETS SB0.0-SB2.0
24. 12'x12' SHADE SHELTER, SEE SHEET L9.01-L9.10
25. 16'x16' SHADE SHELTER, SEE SHEETS L10.01-L10.10
26. 20'x20' SHADE SHELTER, SEE SHEETS L11.01-L11.10
27. 24'x44' SHADE SHELTER, SEE SHEETS L12.01-L12.11
28. 40'x40' SHADE SHELTER, SEE SHEETS L13.01-L13.11
30. STREAM BED (B L6.01) (C L6.01) (D L6.01) (E L6.01)
31. NEW TURF
34. HISTORICALLY REGISTERED ELEMENTS - PRESERVE AND PROTECT IN PLACE***
36. AQUATIC PLANTING SHELF, SEE AQUA ENGINEERING SHEET IL-1.6
44. BASKETBALL COURTS (A L8.01)

***NOTE:
CONTRACTOR TO MORTAR ANY LOOSE HISTORICAL STONE BACK ON TO HISTORICALLY REGISTERED ELEMENTS

RECORD AS-BUILT

L.S. Dlam 11.15.11



NORTH

Call before you OVERHEAD 1-702-221-2929 NEVADA POWER CO./NV ENERGY SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT (USA)

REVISIONS

CONSULTANT

L A S V E G A S N V
3761 S JONES BLVD. | LAS VEGAS NV 89146
T 702.253.8330 | F 702.253.1016
C A R L S B A D C A
2646 FARADAY AVE. | CARLSBAD, CA 92008
jwzunino.com | JOB LICENSE | DESIGN LIC. | CONSTRUCTION LIC.
NV #1161 | UT #10881 | NM #392 | AZ #32181 | CA #3218 | TX #1758
J W Z U N I N O
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
OVERALL LANDSCAPE CALLOUT PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANGHAM 783 6-2-11 Expires 6/30/12 STATE OF NEVADA

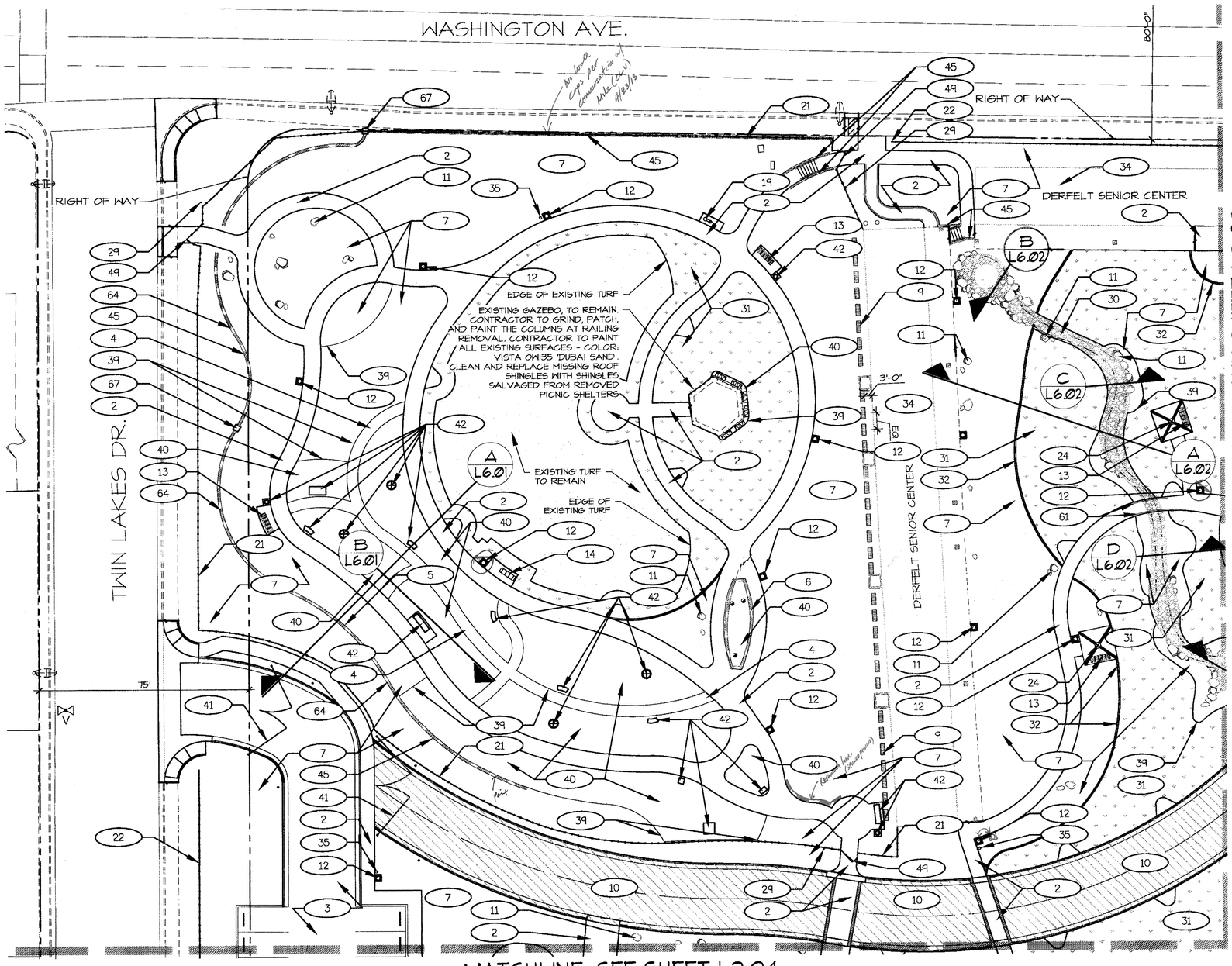
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	ME
FILE	136-LY
DATE	6/7/2011
SCALE	NTS
SBD NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L2.00

DRAWINGS AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE DESIGN PROFESSIONAL, WHOSE STAMP OF CERTIFICATION APPEARS ON THE DRAWINGS AND SPECIFICATIONS AND SHALL NOT BE REUSED BY THE CLIENT ANY WAY UTILIZED ONLY FOR OCCUPYING THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT W A C 653.780
UNAUTHORIZED COPIES OF THE DRAWINGS AND SPECIFICATIONS REVISED BY THE CLIENT ARE STRICTLY PROHIBITED COPIES IS STRICTLY PROHIBITED
ANY USE OR REPRODUCTION IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT IS STRICTLY PROHIBITED

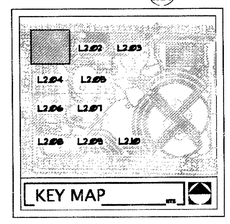
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OVERALL CONSTRUCTION KEYNOTES:

1. INTEGRAL COLOR CONCRETE PAVING
2. CONCRETE PAVING W/ MED. BROOM FINISH, SEE CIVIL DRAWINGS
3. ASPHALT PAVING, SEE CIVIL DRAWINGS
4. STABILIZED DECOMPOSED PATH (A L8.04)
5. MEMORIAL PLAQUE WALL (A L6.01) (B L6.01) (C L6.01)
6. SENSORY GARDEN - PLANTER WALL WITH CONCRETE WALL CAP (H L8.06) (J L8.06)
7. DECOMPOSED GRANITE, TO MATCH PHASE I (SIZE: 1/2" MINUS, COLOR: "SEDONA CORAL"), TYP. ALL PLANTING AREAS UNLESS OTHERWISE NOTED (D L8.05)
8. ALUMINUM FENCE DOUBLE GATE (D L8.05)
9. TRELLIS, TYP. (F L8.01) (J L8.01)
10. CONCRETE PAVING WITH DESERT VARNISH FINISH
11. LANDSCAPE BOULDERS, TYP. (C L8.04)
12. CONCRETE TRASH RECEPTACLE, TYP. (J L8.04) → Note: all trash receptacles (phase 1, 2 & 3) to incorporate new concrete lining @ all turf areas per ecr.
13. PRECAST CONCRETE BENCH WITH BACK (G L8.04)
14. PRECAST CONCRETE BENCH WITHOUT BACK (H L8.04)
15. PRECAST CONCRETE PICNIC TABLE (F L8.04)
16. PRECAST CONCRETE GAME/CAFE TABLE (A L8.06) (B L8.06)
17. BARBECUE (K L8.04)
18. GROUP BARBECUE (L L8.04)
19. DRINKING FOUNTAIN (G L8.06)
20. CHAIN-LINK FENCE (A L8.05)
21. PREFABRICATED FENCE - 6'-0" HEIGHT (E L8.05)
22. SPLIT RAIL FENCE (C L8.06) (D L8.06)
23. PEDESTRIAN BRIDGE, SEE SHEETS SB0.0-SB2.0
24. 12'x12' SHADE SHELTER, SEE SHEET L9.01-L9.10
25. 16'x16' SHADE SHELTER, SEE SHEETS L10.01-L10.10
26. 20'x20' SHADE SHELTER, SEE SHEETS L11.01-L11.10
27. 24'x44' SHADE SHELTER, SEE SHEETS L12.01-L12.11
28. 40'x40' SHADE SHELTER, SEE SHEETS L13.01-L13.11
29. PEDESTRIAN GATE POST (LOCKED OPEN POSITION) (J L8.05)
30. STREAM BED (B L6.02) (C L6.02) (D L6.02) (E L6.02)
31. NEW TURF
32. CONCRETE MOWCURB, SEE CIVIL DRAWINGS DETAIL 2 SHEET C3.18
33. WAYFINDING ARCH (C L5.12) (D L5.12)
34. HISTORICALLY REGISTERED ELEMENTS - PRESERVE AND PROTECT IN PLACE***
35. DOGI-POT (C L5.16) (D L5.16)
36. AQUATIC PLANTING SHELF, SEE AQUA ENGINEERING SHEET IL-1.6
37. STEPPED SEATING/FISHING (A L6.05) (- L6.05)
38. CONCRETE RETAINING WALL W/FORM LINER, SEE SHEET L5.00
39. STEEL EDGING (B L8.04)
40. WOOD BARK MULCH (D L8.04)
41. VEHICULAR GATE, SEE CIVIL DRAWINGS SHEET C3.23
42. RELOCATED MEMORIALS, SEE SHEETS L5.00-L5.11
43. TRASH ENCLOSURE, SEE CIVIL DRAWINGS SHEET C3.22
44. BASKETBALL COURTS (A L6.01)
45. RETAINING WALL, SEE CIVIL DRAWINGS SHEETS C4.01-C4.19
46. FISHING PLATFORM, SEE SHEET L6.08
47. LAKESHORE BOULDER (E L8.06)
48. BIKE RACK (M L8.04)
49. PREFABRICATED FENCE GATE (F L8.05)
50. SPLASH PAD (- L1.10) (- L1.11) (- L1.12)
51. INTERPRETIVE SIGNAGE 'A' (A L5.12) (B L5.12) (A L5.13) (B L5.13)
52. INTERPRETIVE SIGNAGE 'B' (A L5.12) (B L5.12) (C L5.13) (D L5.13)
53. INTERPRETIVE SIGNAGE 'C' (A L5.12) (B L5.12) (E L5.13) (F L5.13)
54. INTERPRETIVE SIGNAGE 'D' (A L5.12) (B L5.12) (G L5.13) (H L5.13)
55. INTERPRETIVE SIGNAGE 'E' (A L5.12) (B L5.12) (J L5.13) (A L5.14)
56. INTERPRETIVE SIGNAGE 'F' (A L5.12) (B L5.12) (B L5.14) (C L5.14)
57. INTERPRETIVE SIGNAGE 'G' (A L5.12) (B L5.12) (D L5.14) (E L5.14)
58. INTERPRETIVE SIGNAGE 'H' (A L5.12) (B L5.12) (F L5.14) (G L5.14)
59. PRE-CAST BARBECUE SET UP TABLE (G L8.04)
60. 12"-18" RIP-RAP, COLOR TO MATCH DECOMPOSED GRANITE GROUNDCOVER, TYP.
61. TUBE STEEL FENCE - 4'-0" HEIGHT UNLESS OTHERWISE NOTED (6'-0" HEIGHT) (G L8.05)
62. ALUMINUM FENCE - 4'-0" HEIGHT (C L8.05)
63. FABRIC SHADE SHELTER, SEE SHEETS L14.01-L14.03
64. CONCRETE WALL CAP (J L8.06)
65. CHAIN-LINK FENCE GATE (B L8.05)
66. TRENCH DRAIN, SEE SHEET C5.04 (E L8.06)
67. CONCRETE WALL COLUMN (K L8.06)

6-22-13
L.S. Pham 11.15.11
RECORD AS-BUILT



0 20' 40' 80'
SCALE: 1" = 20'-0"
NORTH

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER, ENVIRONMENT AND SAFETY SERVICES DEPARTMENT
Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT (SAA)

REVISIONS

CONSULTANT

LAS VEGAS NV
3981 S. JONES BLVD. LAS VEGAS, NV 89148
T 702.204.1381 F 702.252.2618

CARLSBAD CA
2248 FARADAY AVE. CARLSBAD, CA 92008

jwzuning.com | DATE: 11/16/11 | DRAWN BY: MT | CHECKED BY: CO
NV #1301 | LIC #28084 | TAX ID#: 81-0443 | AZ #23136 | CA #2536 | TX #3786

JW ZUNING
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE CALLOUT PLAN

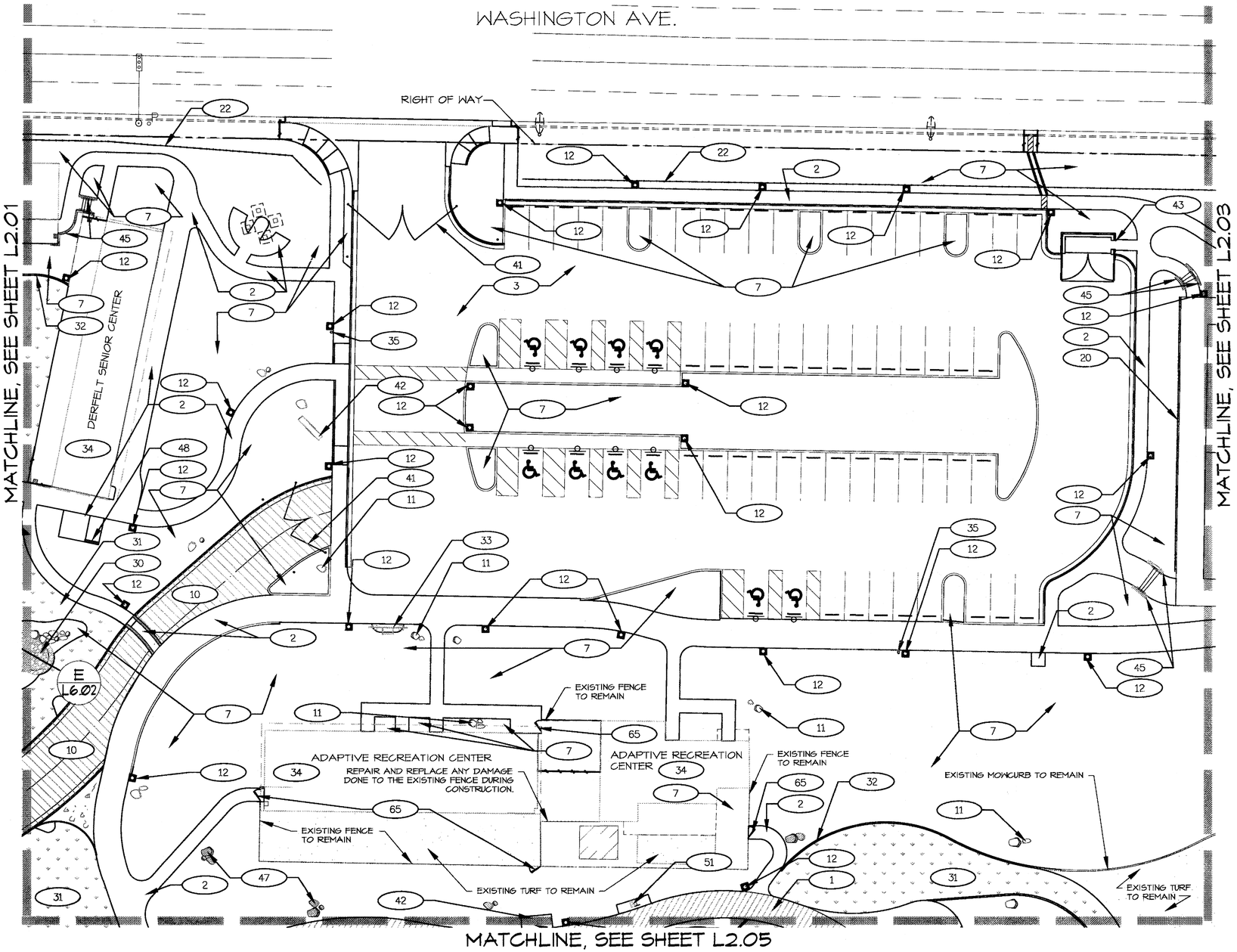
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REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANGHAM 733 Expires 6.30.12 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-5232
TDD: (702) 386-9108

DRAWN	ME
FILE	136-LY
DATE	6/27/2011
SCALE	1"=20'-0"
BID NO	10153L04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L2.01

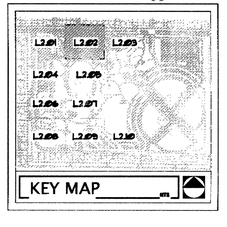
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Lorenzi Park-0193.tif
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OVERALL CONSTRUCTION KEYNOTES:

1. INTEGRAL COLOR CONCRETE PAVING
2. CONCRETE PAVING W/ MED. BROOM FINISH, SEE CIVIL DRAWINGS
3. ASPHALT PAVING, SEE CIVIL DRAWINGS
4. STABILIZED DECOMPOSED PATH (A L8.04)
5. MEMORIAL PLAQUE WALL (A L6.01) (B L6.01) (C L6.01)
6. SENSORY GARDEN - PLANTER WALL WITH CONCRETE WALL CAP (H L8.06) (J L8.06)
7. DECOMPOSED GRANITE, TO MATCH PHASE I (SIZE: 1/2" MINUS, COLOR: "SEDONA CORAL"), TYP. ALL PLANTING AREAS UNLESS OTHERWISE NOTED (D L8.04)
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9. TRELLIS, TYP. (F L8.01) (J L8.01)
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24. 12'x12' SHADE SHELTER, SEE SHEET L4.01-L4.10
25. 16'x16' SHADE SHELTER, SEE SHEETS L10.01-L10.10
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30. STREAM BED (B L6.01) (C L6.01) (D L6.01) (E L6.01)
31. NEW TURF
32. CONCRETE MOWCURB, SEE CIVIL DRAWINGS DETAIL 2 SHEET C3.18
33. WAYFINDING ARCH (C L5.11) (D L5.11)
34. HISTORICALLY REGISTERED ELEMENTS - PRESERVE AND PROTECT IN PLACE***
35. DOGI-POT (C L5.16) (D L5.16)
36. AQUATIC PLANTING SHELF, SEE AQUA ENGINEERING SHEET IL-1.6
37. STEPPED SEATING/FISHING (A L6.05) (- L6.05)
38. CONCRETE RETAINING WALL W/FORM LINER, SEE SHEET L5.00
39. STEEL EDGING (B L8.04)
40. WOOD BARK MULCH (D L8.04)
41. VEHICULAR GATE, SEE CIVIL DRAWINGS SHEET C3.23
42. RELOCATED MEMORIALS, SEE SHEETS L5.00-L5.11
43. TRASH ENCLOSURE, SEE CIVIL DRAWINGS SHEET C3.22
44. BASKETBALL COURTS (A L8.07)
45. RETAINING WALL, SEE CIVIL DRAWINGS SHEETS C4.01-C4.19
46. FISHING PLATFORM, SEE SHEET L6.08
47. LAKESHORE BOULDER (E L8.06)
48. BIKE RACK (M L8.04)
49. PREFABRICATED FENCE GATE (F L8.05)
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54. INTERPRETIVE SIGNAGE 'D' (A L5.12) (B L5.12) (G L5.13) (H L5.13)
55. INTERPRETIVE SIGNAGE 'E' (A L5.12) (B L5.12) (J L5.13) (A L5.14)
56. INTERPRETIVE SIGNAGE 'F' (A L5.12) (B L5.12) (B L5.14) (C L5.14)
57. INTERPRETIVE SIGNAGE 'G' (A L5.12) (B L5.12) (D L5.14) (E L5.14)
58. INTERPRETIVE SIGNAGE 'H' (A L5.12) (B L5.12) (F L5.14) (G L5.14)
59. PRE-CAST BARBECUE SET UP TABLE (Q L8.04)
60. 12"-18" RIP-RAP, COLOR TO MATCH DECOMPOSED GRANITE GROUNDCOVER, TYP.
61. TUBE STEEL FENCE - 4'-0" HEIGHT UNLESS OTHERWISE NOTED (6'-0" HEIGHT) (G L8.05)
62. ALUMINUM FENCE - 4'-0" HEIGHT (C L8.05)
63. FABRIC SHADE SHELTER, SEE SHEETS L14.01-L14.03
64. CONCRETE WALL CAP (J L8.06)
65. CHAIN-LINK FENCE GATE (B L8.05)
66. TRENCH DRAIN, SEE SHEET C5.04 (F L8.04)
67. CONCRETE WALL COLUMN (K L8.06)



0 20' 40' 80'

SCALE: 1" = 20'-0"

NORTH

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 NEVADA811.NEVADAONECALL.COM

11.15.11

RECORD AS-BUILT

REVISIONS

CONSULTANT

J W Z U N I N O
LANDSCAPE ARCHITECTURE

L A S V E G A S N V
319 S. JONES BLVD. LAS VEGAS, NV 89146
T 702.853.1353 F 702.253.1016

C A R L S B A D C A
2298 FARADAY AVE CARLSBAD, CA 92010

jwzunino.com | 09/13/13 | 1 ORIGINAL | 1 ORIGINAL
NV #165 | LIT #29044 | NM #249 | AZ #31244 | CA #2228 | TX #1398

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE CALLOUT PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANDMAN 733 EXPIRES 6/30/12 STATE OF NEVADA

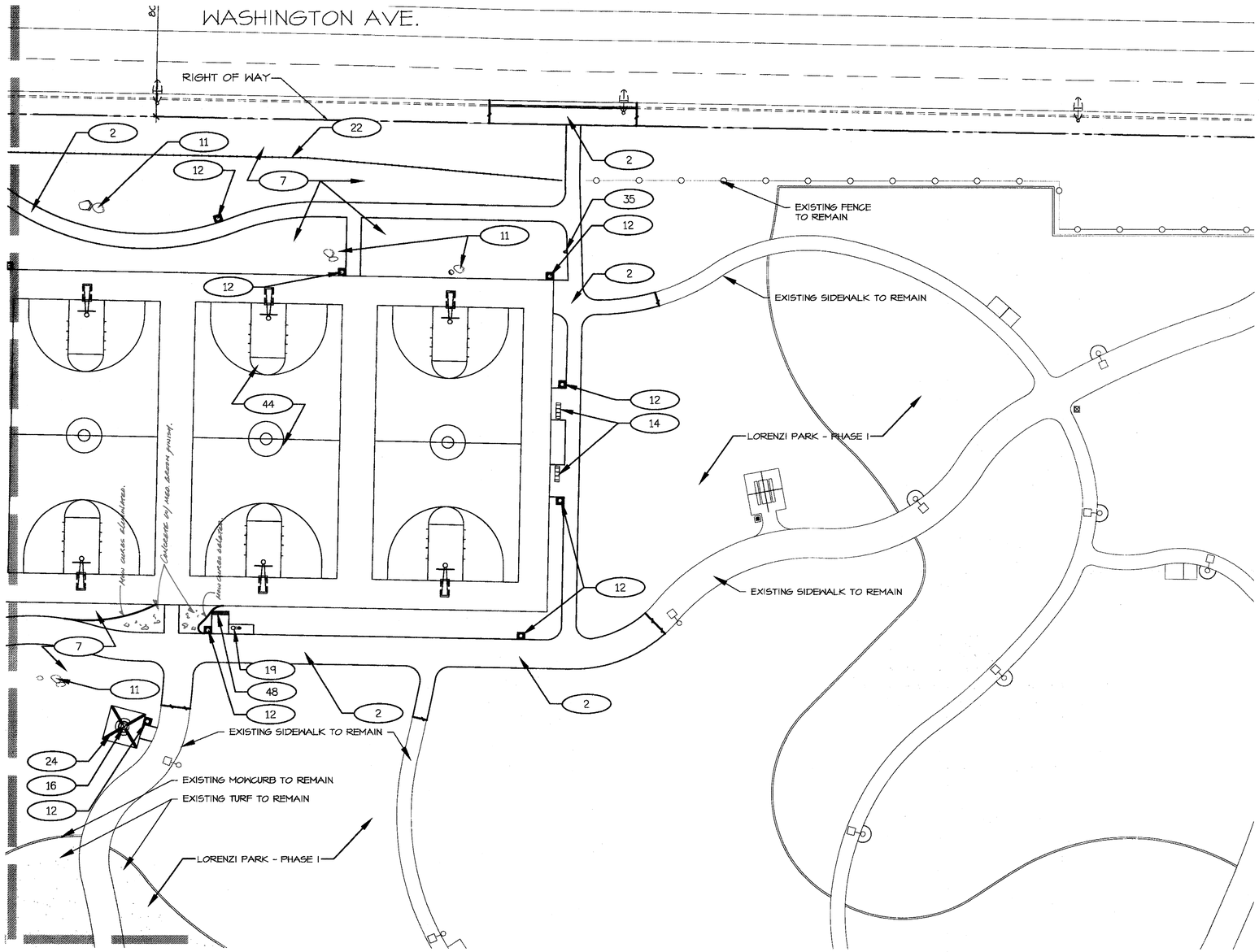
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DEPARTMENT OF PUBLIC WORKS

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LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-LY
DATE	6/27/2011
SCALE	1"=20'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L2.02

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OVERALL CONSTRUCTION KEYNOTES:

1. INTEGRAL COLOR CONCRETE PAVING
2. CONCRETE PAVING W/ MED. BROOM FINISH, SEE CIVIL DRAWINGS
3. ASPHALT PAVING, SEE CIVIL DRAWINGS
4. STABILIZED DECOMPOSED PATH (A L5.04)
5. MEMORIAL PLAQUE WALL (A L6.01) (B L6.01) (C L6.01)
6. SENSORY GARDEN - PLANTER WALL WITH CONCRETE WALL CAP (H L5.06) (J L5.06)
7. DECOMPOSED GRANITE, TO MATCH PHASE I (SIZE: 1/2" MINUS, COLOR: "SEDONA CORAL"), TYP. ALL PLANTING AREAS UNLESS OTHERWISE NOTED (D L5.04)
8. ALUMINUM FENCE DOUBLE GATE (D L5.05)
9. TRELLIS, TYP. (F L6.01) (J L6.01)
10. CONCRETE PAVING WITH DESERT VARNISH FINISH
11. LANDSCAPE BOULDERS, TYP. (C L5.04)
12. CONCRETE TRASH RECEPTACLE, TYP. (J L5.04)
13. PRECAST CONCRETE BENCH WITH BACK (G L5.04)
14. PRECAST CONCRETE BENCH WITHOUT BACK (H L5.04)
15. PRECAST CONCRETE PICNIC TABLE (F L5.04)
16. PRECAST CONCRETE GAME/CAFE TABLE (A L5.06) (B L5.06)
17. BARBECUE (K L5.04)
18. GROUP BARBECUE (L L5.04)
19. DRINKING FOUNTAIN (G L5.06)
20. CHAIN-LINK FENCE (A L5.05)
21. PREFABRICATED FENCE - 6'-0" HEIGHT (E L5.05)
22. SPLIT RAIL FENCE (C L5.06) (D L5.06)
23. PEDESTRIAN BRIDGE, SEE SHEETS SB0.0-SB2.0
24. 12'x12' SHADE SHELTER, SEE SHEET L9.01-L9.10
25. 16'x16' SHADE SHELTER, SEE SHEETS L10.01-L10.10
26. 20'x20' SHADE SHELTER, SEE SHEETS L11.01-L11.10
27. 24'x44' SHADE SHELTER, SEE SHEETS L12.01-L12.11
28. 40'x40' SHADE SHELTER, SEE SHEETS L13.01-L13.11
29. PEDESTRIAN GATE POST (LOCKED OPEN POSITION) (J L5.05)
30. STREAM BED (B L6.01) (C L6.01) (D L6.01) (E L6.01)
31. NEW TURF
32. CONCRETE MOWCURB, SEE CIVIL DRAWINGS DETAIL 2 SHEET C3.18
33. WAYFINDING ARCH (C L5.12) (D L5.12)
34. HISTORICALLY REGISTERED ELEMENTS - PRESERVE AND PROTECT IN PLACE***
35. DOGI-POT (C L5.16) (D L5.16)
36. AQUATIC PLANTING SHELF, SEE AQUA ENGINEERING SHEET IL-1.6
37. STEPPED SEATING/FISHING (A L6.05) (- L6.05)
38. CONCRETE RETAINING WALL W/FORM LINER, SEE SHEET L5.00
39. STEEL EDGING (B L5.04)
40. WOOD BARK MULCH (D L5.04)
41. VEHICULAR GATE, SEE CIVIL DRAWINGS SHEET C3.23
42. RELOCATED MEMORIALS, SEE SHEETS L5.00-L5.11
43. TRASH ENCLOSURE, SEE CIVIL DRAWINGS SHEET C3.22
44. BASKETBALL COURTS (A L5.07)
45. RETAINING WALL, SEE CIVIL DRAWINGS SHEETS C4.01-C4.19
46. FISHING PLATFORM, SEE SHEET L6.05
47. LAKESHORE BOULDER (E L5.04)
48. BIKE RACK (M L5.04)
49. PREFABRICATED FENCE GATE (F L5.05)
50. SPLASH PAD (- L1.10) (- L1.11) (- L1.12)
51. INTERPRETIVE SIGNAGE 'A' (A L5.12) (B L5.12) (A L5.13) (B L5.13)
52. INTERPRETIVE SIGNAGE 'B' (A L5.12) (B L5.12) (C L5.13) (D L5.13)
53. INTERPRETIVE SIGNAGE 'C' (A L5.12) (B L5.12) (E L5.13) (F L5.13)
54. INTERPRETIVE SIGNAGE 'D' (A L5.12) (B L5.12) (G L5.13) (H L5.13)
55. INTERPRETIVE SIGNAGE 'E' (A L5.12) (B L5.12) (D L5.13) (A L5.14)
56. INTERPRETIVE SIGNAGE 'F' (A L5.12) (B L5.12) (B L5.14) (C L5.14)
57. INTERPRETIVE SIGNAGE 'G' (A L5.12) (B L5.12) (D L5.14) (E L5.14)
58. INTERPRETIVE SIGNAGE 'H' (A L5.12) (B L5.12) (F L5.14) (G L5.14)
59. PRE-CAST BARBECUE SET UP TABLE (G L5.04)
60. 12"-18" RIP-RAP, COLOR TO MATCH DECOMPOSED GRANITE GROUNDCOVER, TYP.
61. TUBE STEEL FENCE - 4'-0" HEIGHT UNLESS OTHERWISE NOTED (6'-0" HEIGHT) (G L5.05)
62. ALUMINUM FENCE - 4'-0" HEIGHT (C L5.05)
63. FABRIC SHADE SHELTER, SEE SHEETS L14.01-L14.03
64. CONCRETE WALL CAP (J L5.06)
65. CHAIN-LINK FENCE GATE (B L5.05)
66. TRENCH DRAIN, SEE SHEET C5.04 (F L5.06)
67. CONCRETE WALL COLUMN (K L5.06)

UNDERGROUND SPRINKLING SYSTEM REQUIRED IN ALL LANDSCAPED AREAS

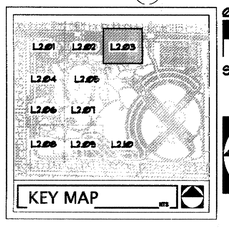
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L-22-13

L.S. Plan

RECORD AS-BUILT

11.15.13



0 20' 40' 80'

SCALE: 1" = 20'-0"

NORTH

Call before you OVERHEAD 1-702-227-2929

Call before you Dig. CALL 811

REVISIONS

CONSULTANT

LAS VEGAS NV
3191 E. JONES BLVD. LAS VEGAS, NV 89146
T. 702.253.3939 | F. 702.253.1016

CARLSBAD CA
2248 FARADAY AVE. | CARLSBAD, CA 92008

jwzuninc.com | JOB NUMBER | DATE | SCALE | DRAWN BY | CHECKED BY

NV #1541 | UT #6444 | NM #383 | AZ #33344 | CA #3318 | TX #1338

JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE CALLOUT PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANGHAM 733 Expires 6/30/15 STATE OF NEVADA

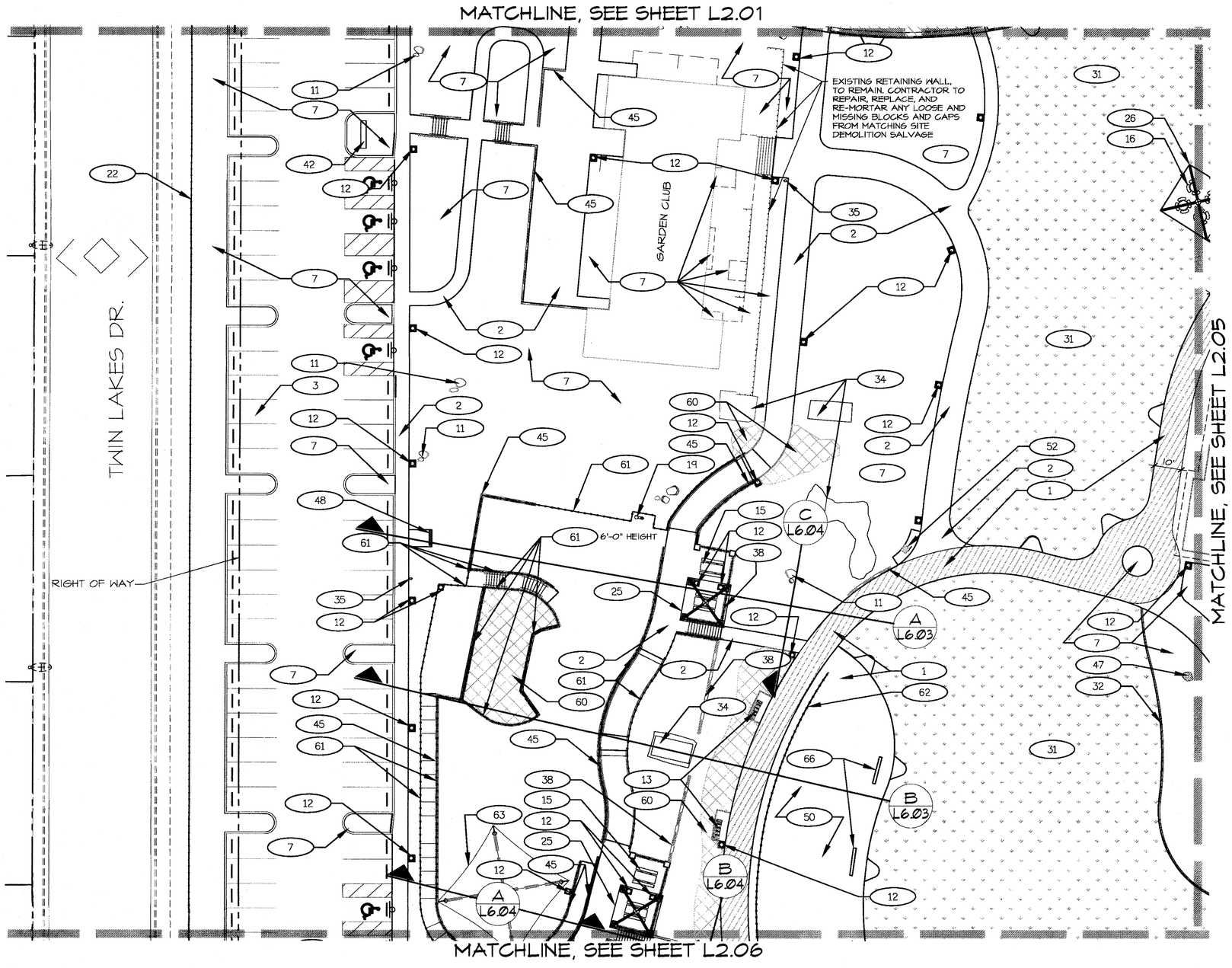
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DRAWN	CEB
FILE	136-LT
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SCALE	1"=20'-0"
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L2.03

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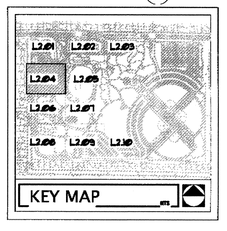
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***NOTE:
CONTRACTOR TO MORTAR ANY LOOSE HISTORICAL STONE BACK ON TO HISTORICALLY REGISTERED ELEMENTS

RECORD AS-BUILT

L.S. Plan 11.15.11



0 20' 40' 80'

SCALE: 1" = 20'-0"

NORTH

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Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT (USA)

REVISIONS

CONSULTANT

J W Z U N I N O
LANDSCAPE ARCHITECTURE

L A S V E G A S N V
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T. 702.252.0339 | F. 702.233.1018

C A R L S B A D C A
2246 FARADAY AVE. | CARLSBAD, CA 92008

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NV # 191 | LT #2934 | NM #293 | AZ #23134 | CA #2739 | TX #1138

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
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REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. LANGHAM
733
Exp. 02/28/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

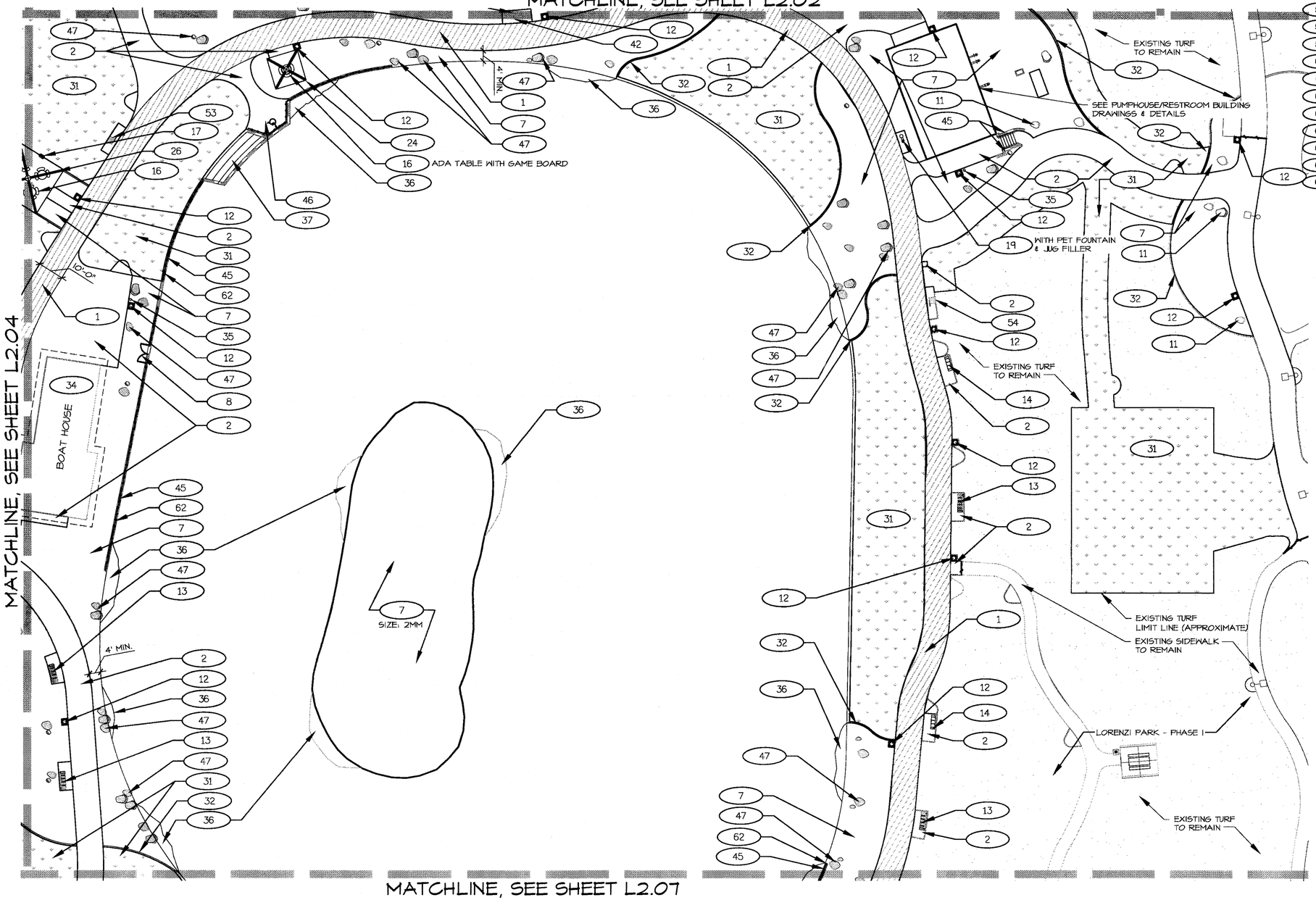
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62. ALUMINUM FENCE - 4'-0" HEIGHT (C L8.05)
63. FABRIC SHADE SHELTER, SEE SHEETS L14.01-L14.03
64. CONCRETE WALL CAP (J L8.06)
65. CHAIN-LINK FENCE GATE (B L8.05)
66. TRENCH DRAIN, SEE SHEET C5.04 (F L8.06)
67. CONCRETE WALL COLUMN (K L8.06)



RECORD AS-BUILT

L.S. Phan 11.15.11

KEY MAP

0 20' 40' 80'

SCALE: 1" = 20'-0"

NORTH

Call before you OVERHEAD 1-702-227-2424 (NEVADA POWER CO. ENGINEERING AND SAFETY SERVICES DEPARTMENT)

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JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE CALLOUT PLAN

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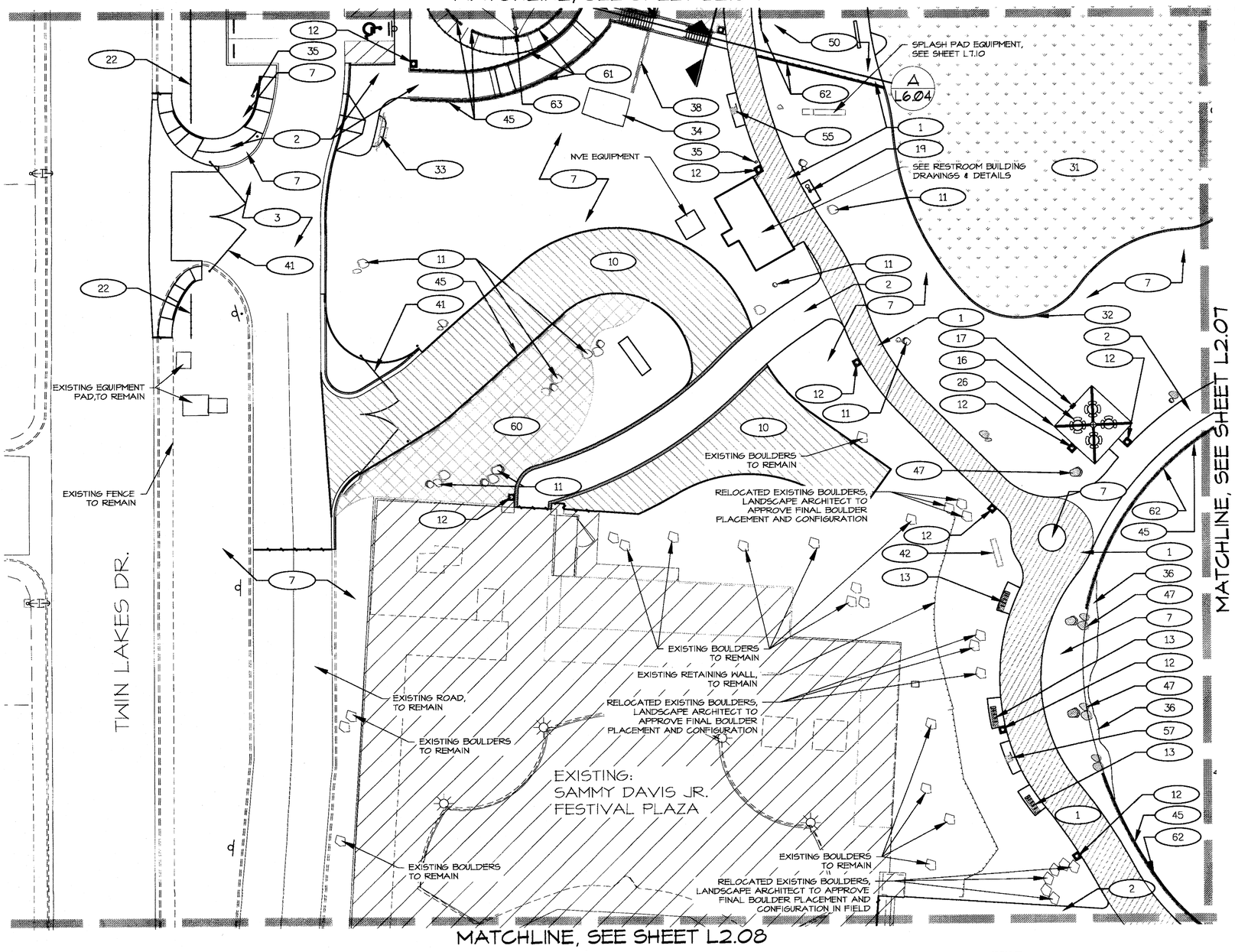
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CHRISTOPHER LANGHAM
733
Expires: 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-9232
TDD: (702) 386-9108

DRAWN	CEB
FILE	B36-LY
DATE	6/27/2011
SCALE	1"=20'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L2.05

Lorenzi Park-0197.ai PRINTED ON RECYCLED PAPER



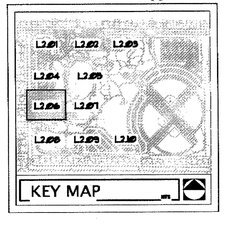
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10. CONCRETE PAVING WITH DESERT VARNISH FINISH
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12. CONCRETE TRASH RECEPTACLE, TYP. (J L6.04)
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14. PRECAST CONCRETE BENCH WITHOUT BACK (H L6.04)
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16. PRECAST CONCRETE GAME/CAFE TABLE (A L6.04) (B L6.04)
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18. GROUP BARBECUE (L L6.04)
19. DRINKING FOUNTAIN (G L6.04)
20. CHAIN-LINK FENCE (A L6.05)
21. PREFABRICATED FENCE - 6'-0" HEIGHT (E L6.05)
22. SPLIT RAIL FENCE (C L6.04) (D L6.04)
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24. 12'x12' SHADE SHELTER, SEE SHEET L9.01-L9.10
25. 16'x16' SHADE SHELTER, SEE SHEETS L10.01-L10.10
26. 20'x20' SHADE SHELTER, SEE SHEETS L11.01-L11.10
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29. PEDESTRIAN GATE POST (LOCKED OPEN POSITION) (J L6.05)
30. STREAM BED (B L6.02) (C L6.02) (D L6.02) (E L6.02)
31. NEW TURF
32. CONCRETE MOWCURB, SEE CIVIL DRAWINGS DETAIL 2 SHEET C3.18
33. WAYFINDING ARCH (C L5.12) (D L5.12)
34. HISTORICALLY REGISTERED ELEMENTS - PRESERVE AND PROTECT IN PLACE***
35. DOGI-POT (C L5.16) (D L5.16)
36. AQUATIC PLANTING SHELF, SEE AQUA ENGINEERING SHEET IL-1.6
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38. CONCRETE RETAINING WALL W/FORM LINER, SEE SHEET L5.00
39. STEEL EDGING (B L6.04)
40. WOOD BARK MULCH (D L6.04)
41. VEHICULAR GATE, SEE CIVIL DRAWINGS SHEET C3.23
42. RELOCATED MEMORIALS, SEE SHEETS L5.00-L5.11
43. TRASH ENCLOSURE, SEE CIVIL DRAWINGS SHEET C3.22
44. BASKETBALL COURTS (A L6.07)
45. RETAINING WALL, SEE CIVIL DRAWINGS SHEETS C4.01-C4.19
46. FISHING PLATFORM, SEE SHEET L6.08
47. LAKESHORE BOULDER (E L6.06)
48. BIKE RACK (M L6.04)
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***NOTE:
CONTRACTOR TO MORTAR ANY LOOSE HISTORICAL STONE BACK ON TO HISTORICALLY REGISTERED ELEMENTS

RECORD AS-BUILT

L.S. Plan 11.5.12



0 20' 40' 80'

SCALE: 1" = 20'-0"

NORTH

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PHASE 2
CITY OF LAS VEGAS
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REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANGHAM 733 STATE OF NEVADA Expires: 6/30/12

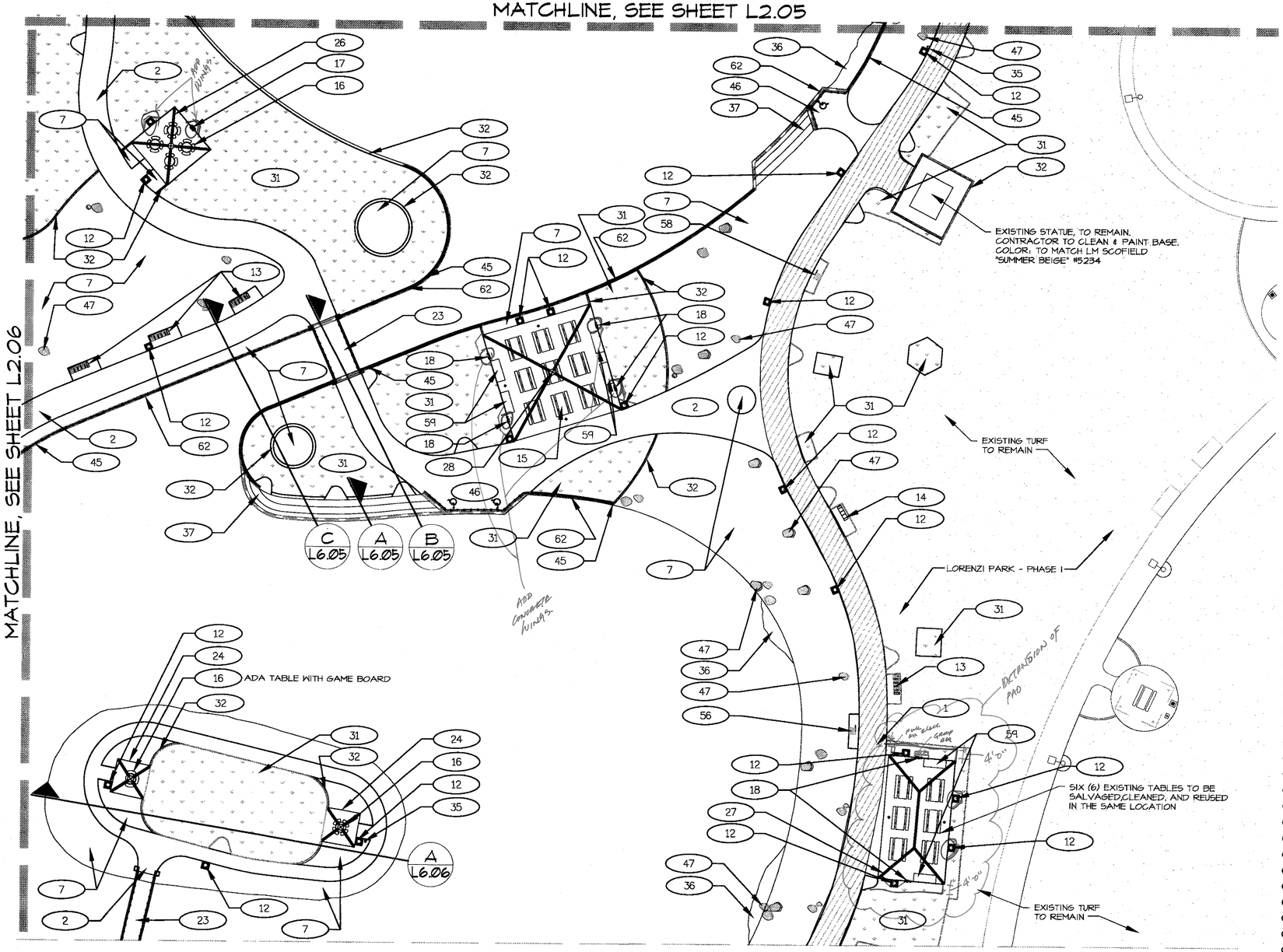
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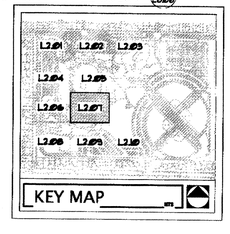
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6-22-13

C.S. Plan 11.15.11

RECORD AS-BUILT

0 20' 40' 80'

SCALE: 1" = 20'-0"

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REVISIONS

CONSULTANT

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T 702.253.9390 F 702.253.1016

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2246 FARADAY AVE. CARLSBAD, CA 92008

JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
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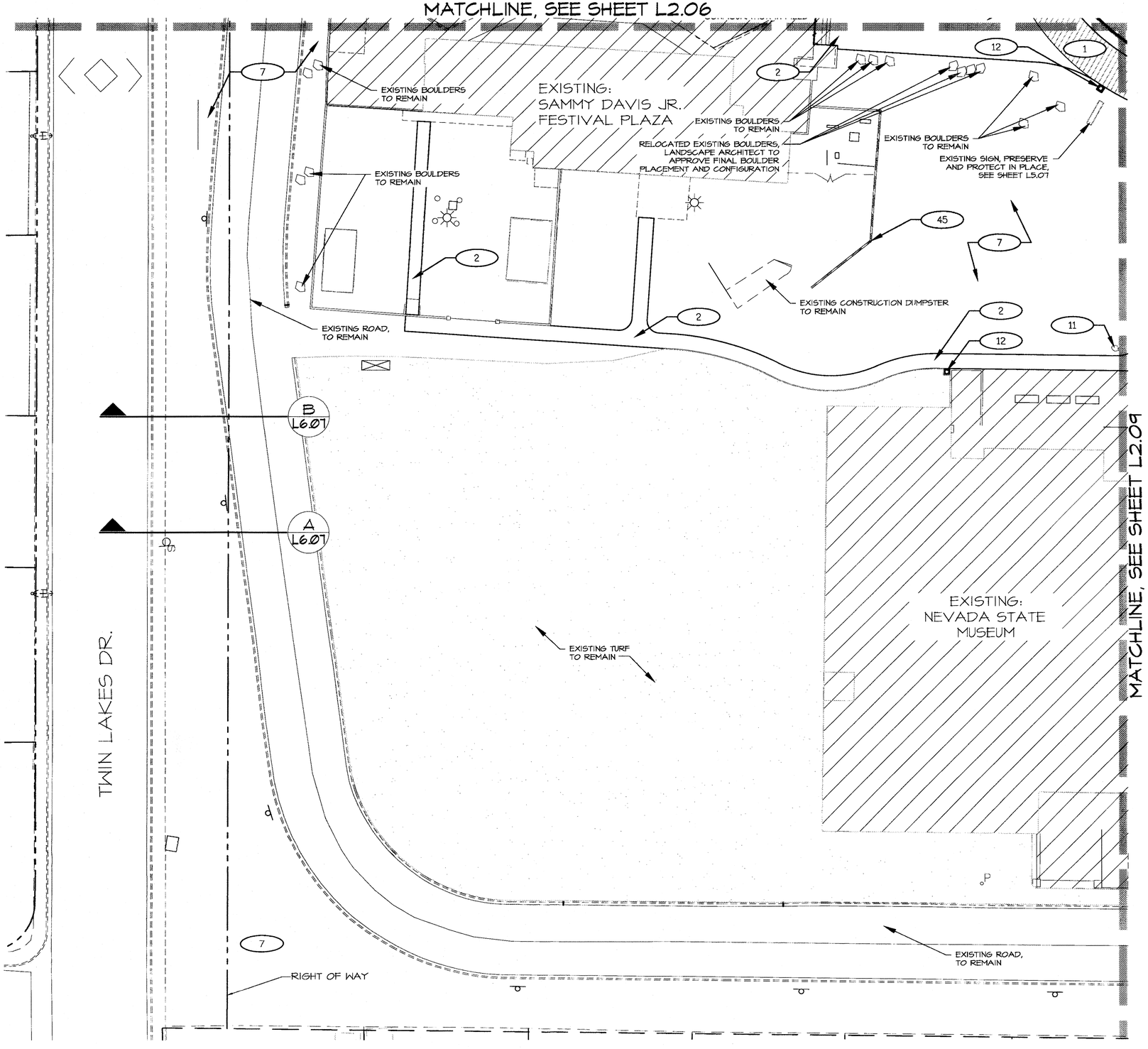
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DRAWN	CEB
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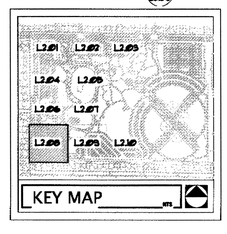


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62. ALUMINUM FENCE - 4'-0" HEIGHT (C L8.05)
63. FABRIC SHADE SHELTER, SEE SHEETS L14.01-L14.03
64. CONCRETE WALL CAP (J L8.06)
65. CHAIN-LINK FENCE GATE (B L8.05)
66. TRENCH DRAIN, SEE SHEET C5.04 (F L8.06)
67. CONCRETE WALL COLUMN (K L8.06)

RECORD AS-BUILT

L.S. Plan 11.15.11



0 20' 40' 80'

SCALE: 1" = 20'-0"

NORTH

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 ARIZONA811 SERVICE ALERT CENTER

REVISIONS

CONSULTANT

J W ZUNINO
LANDSCAPE ARCHITECTURE

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3191 S. JONES BLVD. | LAS VEGAS, NV 89146
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2248 FARADAY AVE. | CARLSBAD, CA 92008

jwzunino.com | LAS VEGAS | CARLSBAD | PHOENIX
NV #1501 LIC #25364 | NM #2521 | AZ #23764 | CA #2736 | TX #1788

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE CALLOUT PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANDMAN 733 STATE OF NEVADA Expires 6/30/12

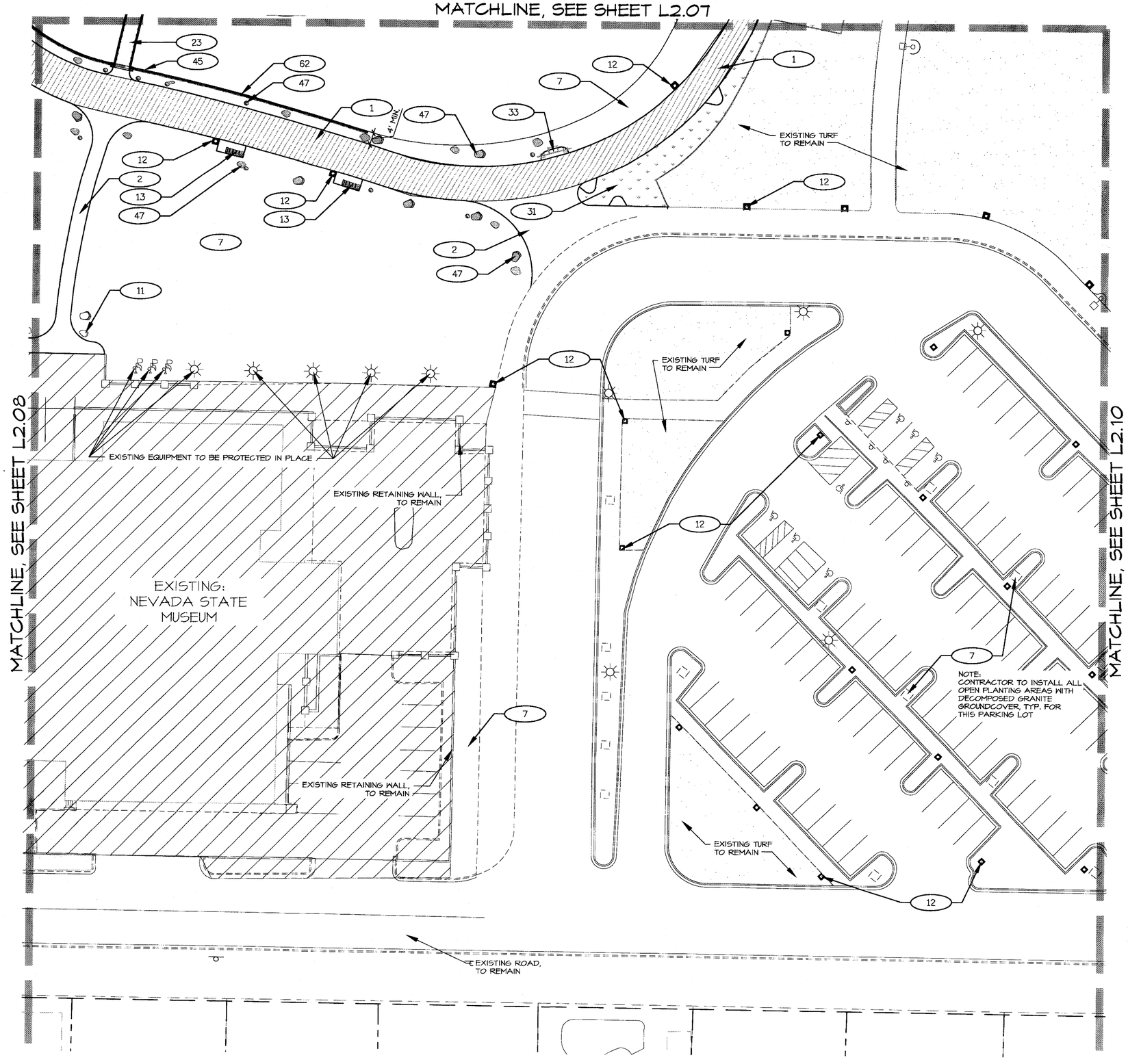
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5335
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-LY
DATE	6/17/2011
SCALE	1"=20'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-41-2
HANSEN NO	33039
SHT NO	L2.08

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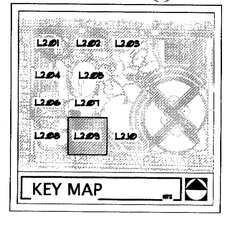


OVERALL CONSTRUCTION KEYNOTES:

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2. CONCRETE PAVING W/ MED. BROOM FINISH, SEE CIVIL DRAWINGS
3. ASPHALT PAVING, SEE CIVIL DRAWINGS
4. STABILIZED DECOMPOSED PATH (A L8.04)
5. MEMORIAL PLAQUE WALL (A L6.01) (B L6.01) (C L6.01)
6. SENSORY GARDEN - PLANTER WALL WITH CONCRETE WALL CAP (H L8.05) (J L8.04)
7. DECOMPOSED GRANITE, TO MATCH PHASE I (SIZE: 1/2" MINUS, COLOR: "SEDONA CORAL"), TYP. ALL PLANTING AREAS UNLESS OTHERWISE NOTED (D L8.04)
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9. TRELLIS, TYP. (F L5.01) (J L5.01)
10. CONCRETE PAVING WITH DESERT VARNISH FINISH
11. LANDSCAPE BOULDERS, TYP. (C L8.04)
12. CONCRETE TRASH RECEPTACLE, TYP. (J L8.04)
13. PRECAST CONCRETE BENCH WITH BACK (G L8.04)
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15. PRECAST CONCRETE PICNIC TABLE (F L8.04)
16. PRECAST CONCRETE GAME/CAFE TABLE (A L8.06) (B L8.06)
17. BARBECUE (K L8.04)
18. GROUP BARBECUE (L L8.04)
19. DRINKING FOUNTAIN (G L8.06)
20. CHAIN-LINK FENCE (A L8.05)
21. PREFABRICATED FENCE - 6'-0" HEIGHT (E L8.05)
22. SPLIT RAIL FENCE (C L8.06) (D L8.06)
23. PEDESTRIAN BRIDGE, SEE SHEETS SB0.0-SB2.0
24. 12'x12' SHADE SHELTER, SEE SHEET L9.01-L9.10
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26. 20'x20' SHADE SHELTER, SEE SHEETS L11.01-L11.10
27. 24'x44' SHADE SHELTER, SEE SHEETS L12.01-L12.11
28. 40'x40' SHADE SHELTER, SEE SHEETS L13.01-L13.11
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30. STREAM BED (B L6.01) (C L6.01) (D L6.01) (E L6.01)
31. NEW TURF
32. CONCRETE MOWCURB, SEE CIVIL DRAWINGS DETAIL 2 SHEET C3.18
33. WAYFINDING ARCH (C L5.12) (D L5.12)
34. HISTORICALLY REGISTERED ELEMENTS - PRESERVE AND PROTECT IN PLACE***
35. DOGI-POT (C L5.16) (D L5.16)
36. AQUATIC PLANTING SHELF, SEE AQUA ENGINEERING SHEET IL-1.6
37. STEPPED SEATING/FISHING (A L6.05) (- L6.05)
38. CONCRETE RETAINING WALL W/FORM LINER, SEE SHEET L5.00
39. STEEL EDGING (B L8.04)
40. WOOD BARK MULCH (D L8.04)
41. VEHICULAR GATE, SEE CIVIL DRAWINGS SHEET C3.23
42. RELOCATED MEMORIALS, SEE SHEETS L5.00-L5.11
43. TRASH ENCLOSURE, SEE CIVIL DRAWINGS SHEET C3.22
44. BASKETBALL COURTS (A L8.01)
45. RETAINING WALL, SEE CIVIL DRAWINGS SHEETS C4.01-C4.19
46. FISHING PLATFORM, SEE SHEET L6.08
47. LAKESHORE BOULDER (E L8.06)
48. BIKE RACK (H L8.04)
49. PREFABRICATED FENCE GATE (F L8.05)
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RECORD AS-BUILT

L.S. Plan 11.15.11



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REVISIONS

CONSULTANT

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CARLSBAD CA
2248 FARADAY AVE. CARLSBAD, CA 92008

jwzunino.com | 619.519.1360 | 2248FARADAY | CARLSBAD, CA 92008 | T/C #7158
NV #1063 | LIC #36063 | AZ #57281 | CA #7158 | TX #7158

JWZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE CALLOUT PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER UNGAR 733 Exp. 6/30/12 STATE OF NEVADA

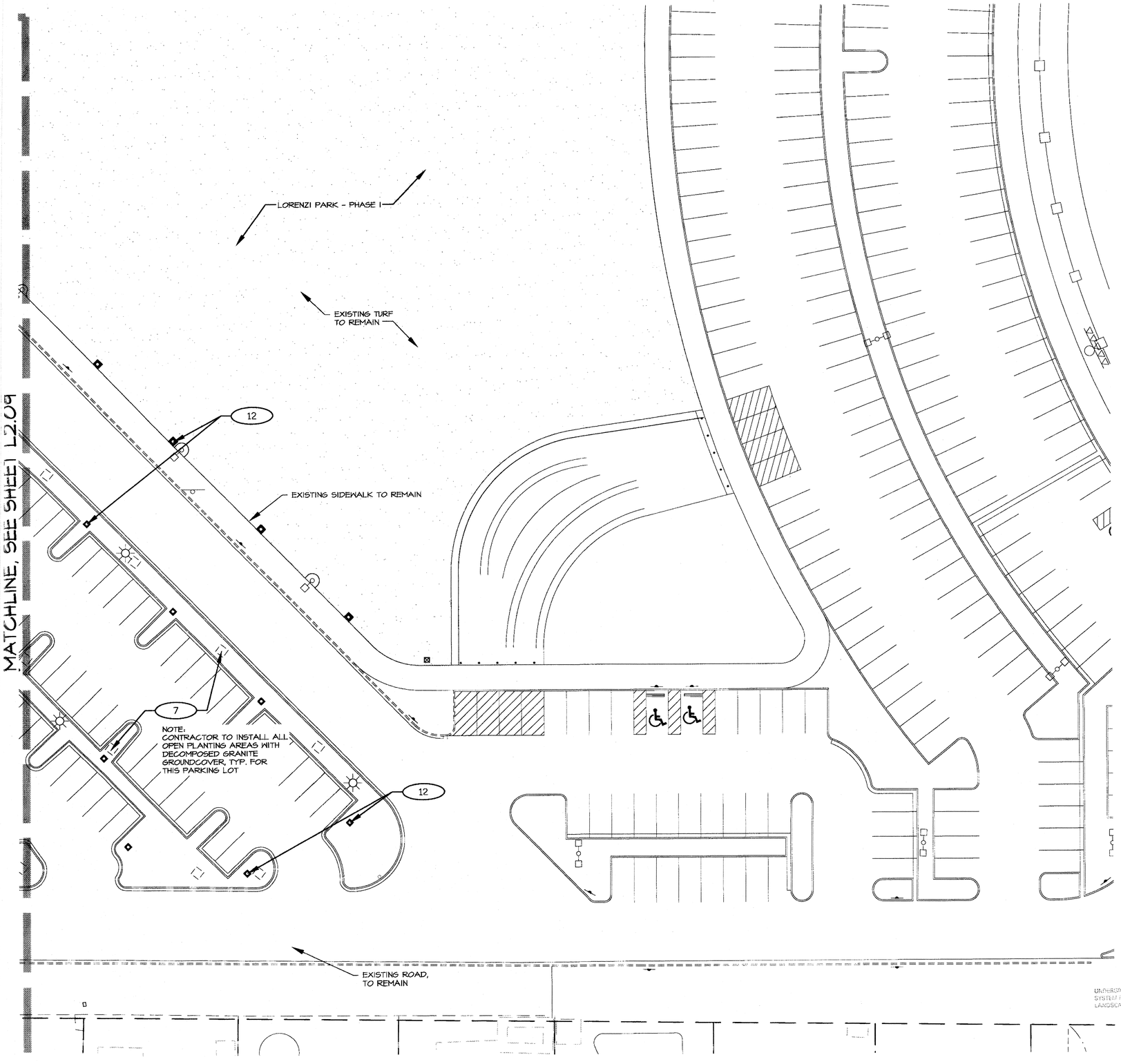
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SCALE	1"=20'-0"
SWD NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L2.09

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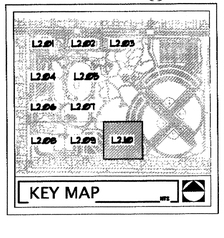


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RECORD AS-BUILT

L.S. Plan 11.05.11



0 20' 40' 80'

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REVISIONS

CONSULTANT

J.W. ZUNINO LANDSCAPE ARCHITECTURE

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CARLSBAD, CA
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jwzuninola.com | jwzuninosd.com | CA#2938 | TX#1795 | NV#1301 | UT#9044 | HI#282 | AZ#3144

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
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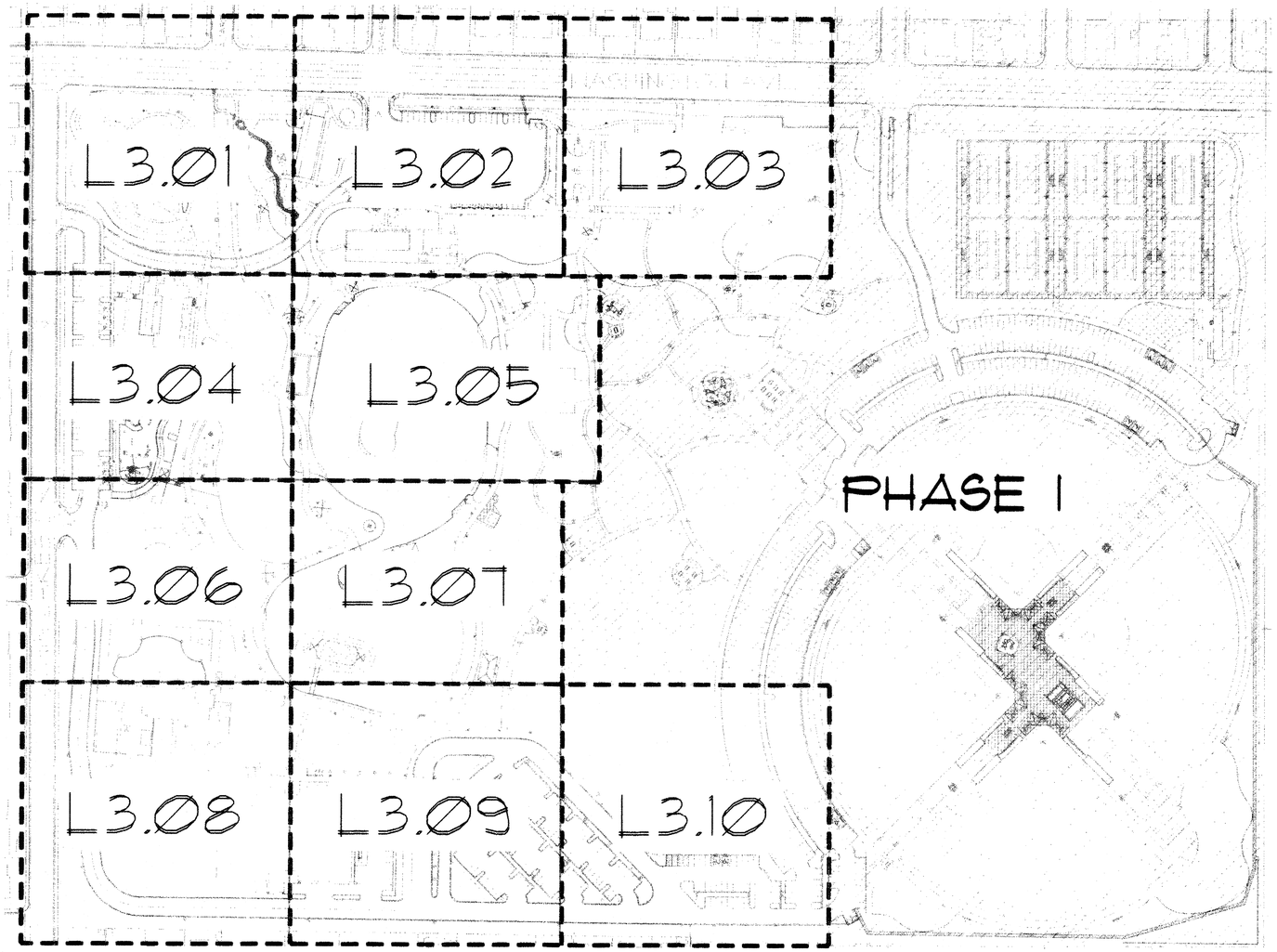
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REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER J. LANGHAM 733 6/30/12 Expires: 6/30/12 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
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SHT NO	L2.10



BASE BID PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
	TREES				
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	33	24" BOX	
	CERCIS CANADENSIS	EASTERN REDBUD	2	24" BOX	
	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	18	24" BOX	
	CHILOPSIS LINEARIS 'WARREN JONES'	DESERT WILLOW	10	24" BOX	MULTI-TRUNK
	CHITALPA TASHKENTENSIS 'PINK DAWN'	CHITALPA	12	24" BOX	STANDARD-TRUNK
	EUCALYPTUS PAPUANA	GHOST GUM	4	36" BOX	
	FICUS CARICA	FIG TREE	4	36" BOX	
	FRAXINUS VELUTINA 'RIO GRANDE'	RIO GRANDE ASH	33	24" BOX	
	GLEDITSIA TRIACANTHOS INERMIS	THORNLESS HONEY LOCUST	16	36" BOX	
	LAGERSTROEMIA INDICA 'CATAWBA'	CATAWBA CRAPE MYRTLE	12	24" BOX	MULTI-TRUNK
	LIGUSTRUM LUCIDUM	GLOSSY PRIVET	7	36" BOX	STANDARD-TRUNK
	PISTACIA CHINENSIS	CHINESE PISTACHE	40	24" BOX	
	PINUS ELDARICA	MONDEL PINE	11	24" BOX	
	PROSOPIS X 'PHOENIX'	THORNLESS SOUTH AMERICAN HYBRID MESQUITE	6	24" BOX	MULTI-TRUNK
	QUERCUS VIRGINIANA 'HERITAGE'	HERITAGE LIVE OAK	12	24" BOX	
	SALIX BABYLONICA	WEEPING WILLOW	6	36" BOX	
	SOPHORA SECUNDIFLORA	TEXAS MOUNTAIN LAUREL	13	24" BOX	
	ULMUS PARVIFOLIA 'EMER II'	ALLEE ELM	15	24" BOX	
	WASHINGTONIA FILIFERA	CALIFORNIA FAN PALM	34	20' BTH	
	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	1	35' BTH	
	EXISTING TREES				
	EXISTING & RELOCATED PALM TREE				SEE NOTE #14
	EXISTING PINE TREE				SEE NOTE #14
	EXISTING TREE				SEE NOTE #14
	EXISTING SHRUB				SEE NOTE #14
	SHRUBS				
	CALLIANDRA X 'SIERRA STAR' PPAF	SIERRA STAR	182	5 GAL	
	CALLISTEMON VIMINALIS 'LITTLE JOHN'	DWARF BOTTLE BRUSH	76	5 GAL	
	ILEX VOMITORIA 'NANA'	DWARF YAUPON HOLLY	46	5 GAL	
	LEUCOPHYLLUM FRUTESCENS 'GREEN CLOUD'	GREEN TEXAS RANGER	154	5 GAL	
	LEUCOPHYLLUM LANGMANIAE 'LYNN'S LEGACY'	LYNN'S LEGACY SAGE	166	5 GAL	
	NANDINA DOMESTICA 'COMPACTA'	DWARF HEAVENLY BAMBOO	22	5 GAL	
	PITTOSPORUM TOBIRA 'VARIEGATA'	VARIEGATED MOCK ORANGE	44	5 GAL	
	PYRACANTHA COCCINEA 'LOMBOY'	LOMBOY PYRACANTHA	71	5 GAL	
	RHAPHIOLEPIS INDICA 'JACK EVANS'	JACK EVANS INDIAN HAWTHORN	125	5 GAL	
	RHAPHIOLEPIS INDICA 'PINKIE DWARF'	DWARF INDIAN HAWTHORN	134	5 GAL	
	RHAMNUS CALIFORNICA 'EVE'S CASE'	COFFEEBERRY	88	5 GAL	
	RHUS OVATA	SUGAR BUSH	55	5 GAL	
	SENNA (CASSIA) NEMOPHILA	DESERT CASSIA	15	5 GAL	
	TECOMA HYBRID 'SIERRA APRICOT'	YELLOW BELLS 'SIERRA APRICOT'	36	5 GAL	
	GROUNDCOVERS				
	ACACIA REDOLENS 'DESERT CARPET'	TRAILING ACACIA	158	5 GAL	
	DALEA GREGGII	TRAILING INDIGO BUSH	47	5 GAL	
	DELOSPERMA CONGESTUM 'GOLD NUGGET'	GOLD NUGGET ICE PLANT	48	5 GAL	
	LANTANA MONTEVIDENSIS	PURPLE TRAILING LANTANA	274	5 GAL	
	LANTANA SPECIES 'NEW GOLD'	NEW GOLD LANTANA	251	5 GAL	
	LIRIOPE MUSCARI	LILY TURF	83	5 GAL	
	MYOPORUM PARVIFOLIUM	PROSTRATE MYOPORUM	37	5 GAL	
	PITTOSPORUM TOBIRA	DWARF MOCK ORANGE	81	5 GAL	
	RHYNCHOSPERMUM (TRACHELOSPERMUM) JASMINOIDES	STAR JASMINE	281	5 GAL	
	ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET'	SPREADING ROSEMARY	255	5 GAL	
	ACCENTS				
	BAILEYA MULTIRADIATA	DESERT MARIGOLD	77	5 GAL	
	CAESALPINIA GILLIESII	YELLOW BIRD OF PARADISE	53	5 GAL	
	DIETES BICOLOR	EVERGREEN IRIS	416	5 GAL	
	MUHLENBERGIA CAPILLARIS 'REGAL MIST'	REGAL MIST DEER GRASS	242	5 GAL	
	MUHLENBERGIA EMERSLEYI 'EL TORO'	EL TORO DEER GRASS	58	5 GAL	
	MUHLENBERGIA RIGIDA 'NASHVILLE'	NASHVILLE GRASS	208	5 GAL	
	NOLINA MICROCARPA	BEAR GRASS	17	5 GAL	
	PENSTEMON EATONII	FIRECRACKER PENSTEMON	28	5 GAL	
	ROSA SP.	NEW ROSES	29	5 GAL	
	SALVAGE AND RELOCATE	ROSES (MESQUITE CLUB MEMORIAL GARDEN)	218	----	SEE SHEET L1.01 FOR EXISTING LOCATIONS
	TAGETES LUCIDA	LICORICE MARIGOLD	27	5 GAL	
	AGAVE, CACTI & YUCCA				
	AGAVE GEMINIFLORA	TWIN-FLOWERED AGAVE	5	5 GAL	
	AGAVE MULTIFILIFERA	CHAHUAGUI	3	5 GAL	
	AGAVE OVATIFOLIA	WHALE'S TONGUE AGAVE	11	5 GAL	
	CLEISTOCACTUS STRAUSII	SILVER TORCH CACTUS	6	5 GAL	
	DASYLIRION QUADRANGULATUM (LONGISSIMUM)	TOOTHLESS SOTOL	33	5 GAL	
	FEROCACTUS GRUSONII	GOLDEN BARREL CACTUS	16	5 GAL	
	FOUQUIERIA SPLENDENS	OCOTILLO	9	BARE ROOT	10-13 WHIPS
	HESPERALOE PARVIFLORA 'RED'	RED YUCCA	309	5 GAL	
	LEMAIREOCEREUS THURBERI	ORGANPIPE CACTUS	3	5 GAL	
	OPUNTIA VIOLACEA 'SANTA-RITA'	PURPLE PRICKLY PEAR	5	5 GAL	
	YUCCA RIGIDA	BLUE YUCCA	5	5 GAL	
	EXISTING CACTI & YUCCA				
	PROTECT IN PLACE	JOSHUA TREE	3	----	SEE SHEET L1.10 FOR EXISTING LOCATIONS
	PROTECT IN PLACE	OCOTILLO	3	----	SEE SHEET L1.10 FOR EXISTING LOCATIONS
	PROTECT IN PLACE	BARREL CACTUS	1	----	SEE SHEET L1.10 FOR EXISTING LOCATIONS
	SALVAGE AND RELOCATE	BARREL CACTUS	9	----	SEE SHEET L1.10 FOR EXISTING LOCATIONS
	SALVAGE AND RELOCATE	HEDGEHOG CACTUS	14	----	SEE SHEET L1.10 FOR EXISTING LOCATIONS
	SALVAGE AND RELOCATE	PRICKLY PEAR	4	----	SEE SHEET L1.10 FOR EXISTING LOCATIONS
	SALVAGE AND RELOCATE	AGAVE	1	----	SEE SHEET L1.10 FOR EXISTING LOCATIONS
	SENSORY GARDEN PLANTS				
	AGASTACHE FOENICULUM	ANISE HYSSOP	6	1 GAL	
	ASPARAGUS DENSIFLORUS 'MEYERSII'	FOXTAIL FERN	3	1 GAL	
	BERLANDIERA LYRATA	CHOCOLATE FLOWER	3	1 GAL	
	CHAMAEMELUM NOBILE	ROMAN CHAMOMILE	9	1 GAL	
	CHRYSACTINIA MEXICANA	DAMIANITA	4	1 GAL	
	COSMOS ATROSANGUINEUS	CHOCOLATE COSMOS	4	1 GAL	
	LAVANDULA STOECHAS	SPANISH LAVENDER	2	1 GAL	
	LIATRIS SPICATA 'KOBOLD'	KOBOLD GAYFEATHER	3	1 GAL	
	MELISSA OFFICINALIS	LEMON BALM	3	1 GAL	
	ORIGANUM DICTAMNUS	DITTANY OF CRETE	6	1 GAL	
	SALVIA OFFICINALIS	COMMON SAGE	4	1 GAL	
	SEMPERVIVUM SP.	HENS AND CHICKS	12	1 GAL	
	THYMUS CITRIODORUS	LEMON THYME	3	1 GAL	
	VINES				
	ANTIGONON LEPTOPUS	QUEEN'S WREATH VINE	6	5 GAL	ON TRELLIS
	SENECIO CONFUSUS	MEXICAN FLAME VINE	32	5 GAL	ON TRELLIS
	MARGINAL (AQUATIC) PLANTS				
	TYPHA ANGUSTIFOLIA	NARROW-LEAVED CATTAIL	1354	4"-8" LIVE STAKES	8" ON CENTER
	JUNCUS CARMENS	CARMENS JAPANESE RUSH	1116	4"-8" LIVE STAKES	8" ON CENTER
	TURF				
	EXISTING HYBRID BERMUDA				TIFWAY T-419 OR TIFSPORTS

RECORD AS-BUILT

CONTRACTOR TO SECURE PLANT MATERIAL AT BEGINNING OF PROJECT. SEE SPECIFICATIONS SECTION 32 93 00. REQUESTS FOR SUBSTITUTION MUST BE RECEIVED WITHIN PERIOD INDICATED WITHIN SPECS. ANY LATE REQUESTS MAY BE REJECTED

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES. THE PLANT SCHEDULE IS INTENDED AS A REFERENCE ONLY. QUANTITIES DISCLAIMER: SEE SPECIFICATIONS SECTION 01 10 00, 1.2
2. LANDSCAPE ARCHITECT IS TO APPROVE ALL PLANT MATERIAL PRIOR TO INSTALLATION WITH PRIOR NOTICE OF 48 HOURS.
3. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES, SHOWING GENUS, SPECIES, VARIETY, ETC. PLANT MATERIAL MAY BE REJECTED IF TAGS ARE MISSING.
4. CONTRACTOR TO PROVIDE MATCHING SIZES AND FORMS OF LIKE SHRUB SPECIES AS SHOWN ON DRAWINGS.
5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
6. DECOMPOSED GRANITE; SIZE AND COLOR TO MATCH PHASE I (75% 1/2" MINUS, 25% 3/8" SCREENED), BLENDED BY SUPPLIER; COLOR: TO MATCH 'SEDONA CORAL') IN ALL PLANTING AREAS, TYP. UNLESS OTHERWISE NOTED. CONTRACTOR TO PROVIDE SAMPLE FOR LANDSCAPE ARCHITECTS APPROVAL PRIOR TO CONSTRUCTION. 2" DEPTH TYPICAL IN ALL PLANTING BEDS. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

WHOLESALE DEALER:	WHOLESALE DEALER:	WHOLESALE DEALER:	
KALAMAZOO MATERIALS	LAS VEGAS ROCK	MINERAL PARK DECORATIVE ROCK	(OR APPROVED EQUAL)
6971 NORTH ORACLE ROAD	PO BOX 98118	8275 N. MINERAL PARK ROAD	
TUCSON, AZ 85704	JEAN, NV 89019	KINGMAN, AZ 86416	
TELEPHONE: (520) 447-6411	TELEPHONE: (702) 791-7625	TELEPHONE: (702) 256-1619	
CONTACT: BETTY O'BRIEN	CONTACT: STEVE HICKMAN	CONTACT: ROBIN MICKELSON	

7. LANDSCAPE BOULDERS AND LAKE SHORE BOULDERS (ALL BOULDERS WITH IN 75' OF LAKE EDGE) ARE TO BE GRANITE AND ROUND IN SHAPE. COLOR TO MATCH OR GROUND COVER. CONTRACTOR TO SET 1/4 OF ROCK DIAMETER INTO FINISH GRADE. BOULDERS TO BE 2' TO 4' IN DIAMETER, SIZED ACCORDING TO THE FOLLOWING QUANTITIES:

LAKESHORE BOULDERS (GROUTED) — LANDSCAPE BOULDERS

4' LARGEST DIAMETER - 99
3' LARGEST DIAMETER - 115
2' LARGEST DIAMETER - 94

TOTAL QUANTITY OF BOULDERS: 308

8. ALL PALM HEIGHTS ARE BROWN TRUNK HEIGHTS. ALL PALMS SHALL HAVE STRAIGHT TRUNKS WITH NO CURVES. ALL FAN PALMS SHALL BE SKINNED WITHIN 3 FEET OF THE LAST FROND. ALL PALM TREE HEIGHTS TO BE MEASURED FROM TOP OF ROOT BALL TO THE LOWEST GREEN FROND.
9. ARIZONA RIVER ROCK, 3"-6" AND 6"-10" SIZE, HAND PLACED IN GROUT, SHALL BE LOCATED AT THE DERFELT SENIOR CENTER COURTYARD STREAMBED.

WHOLESALE DEALER:	WHOLESALE DEALER:	WHOLESALE DEALER:	
KALAMAZOO MATERIALS	LAS VEGAS ROCK	MINERAL PARK DECORATIVE ROCK	(OR APPROVED EQUAL)
6971 NORTH ORACLE ROAD	PO BOX 98118	8275 N. MINERAL PARK ROAD	
TUCSON, AZ 85704	JEAN, NV 89019	KINGMAN, AZ 86416	
TELEPHONE: (520) 447-6411	TELEPHONE: (702) 791-7625	TELEPHONE: (702) 256-1619	
CONTACT: BETTY O'BRIEN	CONTACT: STEVE HICKMAN	CONTACT: ROBIN MICKELSON	

10. ALL MULTI-TRUNK TREES SHALL HAVE THE LOWEST BREAKING BRANCH AT MINIMUM OF 30" FROM FINISH GRADE. WEAK TRUNKS WILL BE REJECTED.
11. CONTRACTOR TO PROTECT AND PRESERVE EXISTING LANDSCAPE TO REMAIN. ANY PLANT MATERIAL OR LANDSCAPE MATERIAL DAMAGED BY DEMOLITION OR CONSTRUCTION IS TO BE REPLACED AT THE CONTRACTOR'S EXPENSE. CONTRACTOR IS TO REPLACE DAMAGED PLANT MATERIAL WITH MATERIAL OF THE SAME SIZE, GENUS, SPECIES, FORM, ETC.

GENERAL NOTES:

12. 12"-18" DIAMETER DECORATIVE ROCK, 12" DEPTH MINIMUM. COLOR TO MATCH DECOMPOSED GRANITE.

WHOLESALE DEALER:	WHOLESALE DEALER:	WHOLESALE DEALER:	
KALAMAZOO MATERIALS	LAS VEGAS ROCK	MINERAL PARK DECORATIVE ROCK	(OR APPROVED EQUAL)
6971 NORTH ORACLE ROAD	2 PRISON ROAD	8275 N. MINERAL PARK ROAD	
TUCSON, AZ 85704	PO BOX 98118	KINGMAN, AZ 86416	
TELEPHONE: (702) 447-6411	JEAN, NV 89019	TELEPHONE: (702) 256-1619	
CONTACT: BETTY O'BRIEN	TELEPHONE: (702) 791-7625	CONTACT: ROBIN MICKELSON	
	CONTACT: STEVE HICKMAN		

13. CONTRACTOR TO PROVIDE OWNER AN ADDITIONAL 30 CONCRETE TRASH RECEPTACLES FOR PLACEMENT AS DIRECTED BY OWNER, ALONG WITH ADDITIONAL TRASH RECEPTACLES FOR PLACEMENT IN PHASE I (SEE SHEETS P1.01-P1.02). PLACEMENT TO BE COORDINATED WITH OWNERS REPRESENTATIVE IN FIELD, INCLUDING EPOXY GLUING IF SO DIRECTED. INSTALLATION IN PHASE I TO CONFORM TO ALL PHASE II DETAILS AND SPECIFICATIONS.
14. ALL EXISTING TREES TO BE SALVAGED AND RELOCATED ARE LABELED WITH A LETTER AND NUMBER (IE: A-13) SEE EXISTING CONDITIONS AND DEMOLITION PLAN FOR EXISTING TREE LOCATIONS, SHEETS L1.01-L1.09
15. CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMETER/EDGE OF PAVEMENT OF ALL PARKING ISLANDS AND ANY OTHER PLANTING AREAS NOTED ON THE PLANTING PLAN AND ANYWHERE A TREE IS PLANTED WITH IN 5' OF A CURB, SIDEWALK OR HARDSCAPE. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
   MODEL: UB 24-2
   MANUFACTURER: DEEP ROOT PARTNERS, L.P.
   345 LORTON AVENUE
   BURLINGAME, CA 94010
   TELEPHONE: (800) 458-1668

SITE AMENITIES

PRECAST CONCRETE BENCH WITHOUT BACK	
PRECAST CONCRETE BENCH WITH BACK	
PRECAST CONCRETE CAFE TABLE	
PRECAST CONCRETE PICNIC TABLE	
PRECAST CONCRETE TRASH RECEPTACLE (SEE NOTE # 13)	
BARBEQUE	

SITE AMENITIES

GROUP BARBEQUE	
DRINKING FOUNTAIN	
DOGI-POT	
RELOCATED STATUE, SEE SIGNAGE PLANS, SHEET L5.01	
BIKE RACK	
ADA PRECAST CONCRETE CAFE/GAME TABLE GAME BOARD AS NOTED ON PLANS	

NORTH

Call before you OVERHEAD 1-702-227-2929 (NEVADA POWER ENERGY AND SAFETY SERVICES DEPARTMENT)

Call before you Dig. CALL 811 (NORTHERN NEVADA SERVICE ALERT CNA)

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1	CLV REVIEW COMMENTS

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CARLSBAD CA
2248 FARADAY AVE. CARLSBAD, CA 92008
jwsmithla.com
NV # 0181 | UT #7202661-5501 | HI# 29921 | AZ #331249 | CA #37730 | TX #17736
J.W. SMITH
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL

LANDSCAPE PLANTING SCHEDULE AND OVERALL NOTES

THESE DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE, ARE THE PROPERTY OF THE DESIGN PROFESSIONAL WHOSE SEAL IS AFFIXED HEREON AND IN THE DRAWINGS AND SPECIFICATIONS AND ARE NOT TO BE USED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT. THEY WERE PREPARED AND ARE PUBLISHED SOLELY FOR USE BY THE CLIENT FOR THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT. ALL COPIES OF THE DRAWINGS AND SPECIFICATIONS REMADE BY THE CLIENT ARE TO BE UTILIZED ONLY FOR OCCUPYING THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT. ALL COPIES MADE BY THE CLIENT ARE TO BE UTILIZED ONLY FOR OCCUPYING THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT. ALL COPIES OF THE DRAWINGS AND SPECIFICATIONS REMADE BY THE CLIENT ARE TO BE UTILIZED ONLY FOR OCCUPYING THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT. © COPYRIGHT 2013 J.W. SMITH LANDSCAPE ARCHITECTURE

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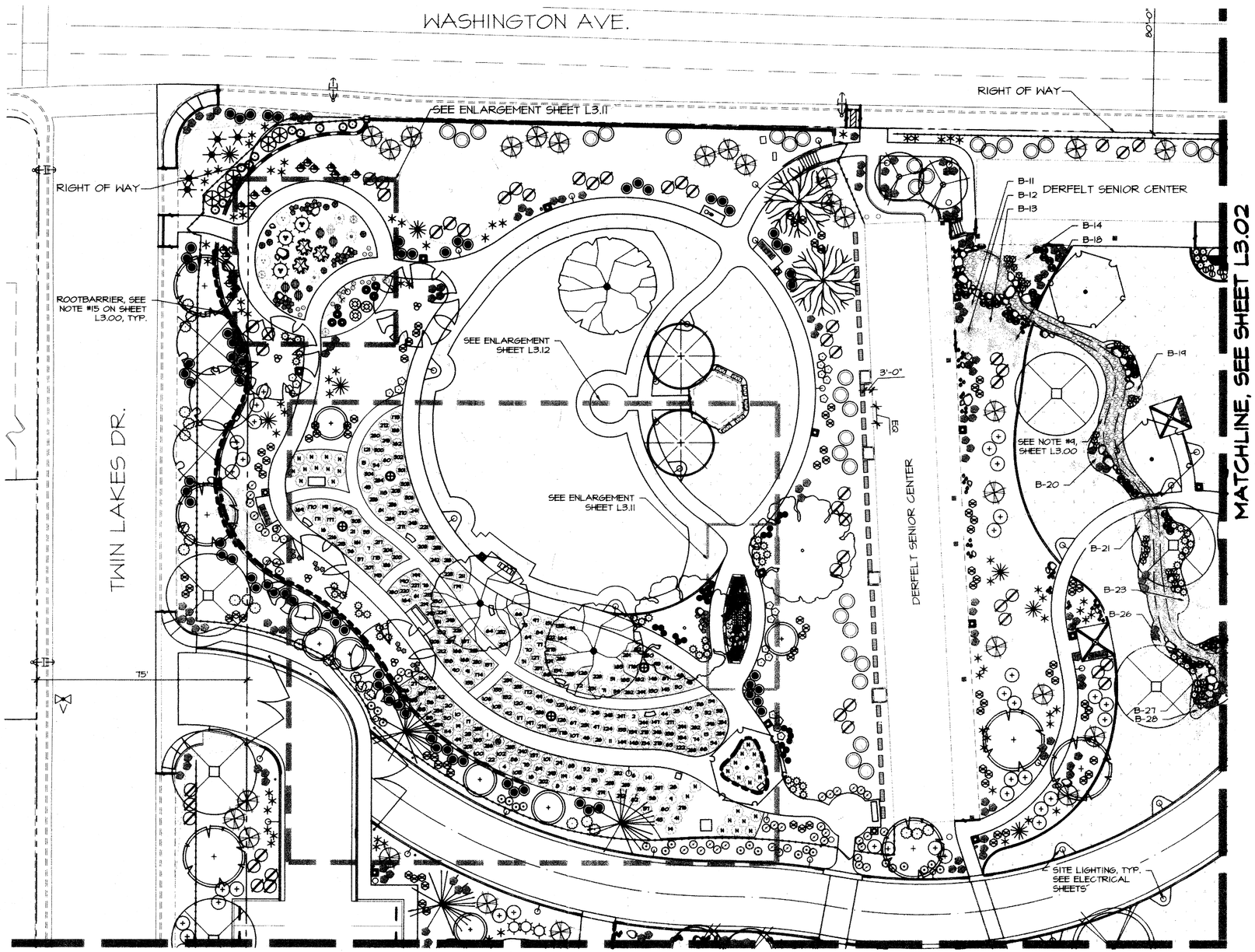
REGISTERED LANDSCAPE ARCHITECT — CHRISTOPHER J. LAGIOIA — 1051 — Expires: 6-30-15 — STATE OF NEVADA

Dennett L.S.Plan 11.15.14

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6339
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	ME
FILE	136-PP2.DWG
DATE	6/27/2013
SCALE	NTS
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHEET NO	L3.00



BASE BID PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME
	TREES	
	ACACIA STENOPHYLLA	SHOESTRING ACACIA
	CERCIS CANADENSIS	EASTERN REDBUD
	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM
	CHILOPSIS LINEARIS 'WARREN JONES'	DESERT WILLOW
	CHITALPA TASHKENTENSIS 'PINK DAWN'	CHITALPA
	EUCALYPTUS PAPUANA	GHOST GUM
	FICUS CARICA	FIG TREE
	FRAXINUS VELUTINA 'RIO GRANDE'	RIO GRANDE ASH
	GLEDITSIA TRIACANTHOS INERMIS	THORNLESS HONEY LOCUST
	LAGERSTROEMIA INDICA 'CATAMBA'	CATAMBA CRAPE MYRTLE
	LIGUSTRUM LUCIDUM	GLOSSY PRIVET
	PISTACIA CHINENSIS	CHINESE PISTACHE
	PINUS ELDARICA	MONDEL PINE
	PROSOPIS X 'PHOENIX'	THORNLESS SOUTH AMERICAN HYBRID MESQUITE
	QUERCUS VIRGINIANA 'HERITAGE'	HERITAGE LIVE OAK
	SALIX BABYLONICA	WEEPING WILLOW
	SOPHORA SECUNDIFLORA	TEXAS MOUNTAIN LAUREL
	ULMUS PARVIFOLIA 'EMER II'	ALLEE ELM
	WASHINGTONIA FILIFERA	CALIFORNIA FAN PALM
	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM
	EXISTING TREES	
	EXISTING & RELOCATED PALM TREE	
	EXISTING PINE TREE	
	EXISTING TREE	
	EXISTING SHRUB	
	SHRUBS	
	CALLIANDRA X 'SIERRA STAR' PPAF	SIERRA STAR
	CALLISTEMON VIMINALIS 'LITTLE JOHN'	DWARF BOTTLE BRUSH
	ILEX VOMITORIA 'NANA'	DWARF YAUPON HOLLY
	LEUCOPHYLLUM FRUTESCENS 'GREEN CLOUD'	GREEN TEXAS RANGER
	LEUCOPHYLLUM LANGMANIAE 'LYNN'S LEGACY'	LYNN'S LEGACY SAGE
	NANDINA DOMESTICA 'COMPACTA'	DWARF HEAVENLY BAMBOO
	PITTOSPORUM TOBIRA 'VARIEGATA'	VARIEGATED MOCK ORANGE
	PYRACANTHA COCCINEA 'LOWBOY'	LOWBOY PYRACANTHA
	RHAPHIOLEPIS INDICA 'JACK EVANS'	JACK EVANS INDIAN HAWTHORN
	RHAPHIOLEPIS INDICA 'PINKIE DWARF'	DWARF INDIAN HAWTHORN
	RHAMNUS CALIFORNICA 'EVE'S CASE'	COFFEEBERRY
	RHUS OVATA	SUGAR BUSH
	SENNA (CASSIA) NEMOPHILA	DESERT CASSIA
	TECOMA HYBRID 'SIERRA APRICOT'	YELLOW BELLS 'SIERRA APRICOT'
	GROUNDCOVERS	
	ACACIA REDOLENS 'DESERT CARPET'	TRAILING ACACIA
	DALEA GREGGII	TRAILING INDIGO BUSH
	DELOSPERMA CONGESTUM 'GOLD NUGGET'	GOLD NUGGET ICE PLANT
	LANTANA MONTEVIDENSIS	PURPLE TRAILING LANTANA
	LANTANA SPECIES 'NEW GOLD'	NEW GOLD LANTANA
	LIRIOPE MUSCARI	LILY TURF
	MYOPORUM PARVIFOLIUM	PROSTRATE MYOPORUM
	PITTOSPORUM TOBIRA	DWARF MOCK ORANGE
	RHYNCHOSPERMUM (TRACHELOSPERMUM) JASMINOIDES	STAR JASMINE
	ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET'	SPREADING ROSEMARY
	ACCENTS	
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	DIETES BICOLOR	EVERGREEN IRIS
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	MUHLENBERGIA RIGIDA 'NASHVILLE'	NASHVILLE GRASS
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	PENSTEMON EATONII	FIRECRACKER PENSTEMON
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	SALVAGE AND RELOCATE	PRICKLY PEAR
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	AGASTACHE FOENICULUM	ANISE HYSSOP
	ASPARAGUS DESIFLORUS 'MEYERSII'	FOXTAIL FERN
	BERLANDIERA LYRATA	CHOCOLATE FLOWER
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	TYPHA ANGUSTIFOLIA	NARROW-LEAVED CATTAIL
	JUNCUS CARMENS	CARMENS JAPANESE RUSH
	TURF	
	EXISTING	
	HYBRID BERMUDA	

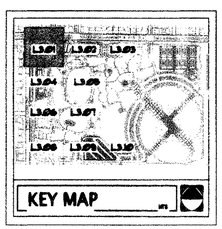
SITE AMENITIES

- PRECAST CONCRETE BENCH WITHOUT BACK
- PRECAST CONCRETE BENCH WITH BACK
- PRECAST CONCRETE CAFE TABLE
- PRECAST CONCRETE PICNIC TABLE
- PRECAST CONCRETE TRASH RECEPTACLE (SEE NOTE # 13)
- BARBECUE
- GROUP BARBECUE
- DRINKING FOUNTAIN
- DOGI-POT
- RELOCATED STATUE, SEE SIGNAGE PLANS, SHEET L5.01
- BIKE RACK
- ADA PRECAST CONCRETE CAFE/GAME TABLE GAME BOARD AS NOTED ON PLANS

CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMTER/EDGE OF PAVEMENT OF ALL PARKING ISLANDS AND ANY OTHER PLANTING AREAS NOTED IN THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
MODEL: UB24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
BURLINGAME, CA 94010
TELEPHONE: (800) 458-1668

SEE SHEET L5.01 FOR MEMORIAL AND SIGNAGE LOCATIONS

SEE SHEET L3.00 FOR COMPLETE PLANTING NOTES AND PLANT COUNTS



RECORD AS-BUILT

L.S. Plan 11.15.11

0 20' 40' 80'
SCALE: 1" = 20'-0"

NORTH

Call before you OVERHEAD 1-702-221-2929

Call before you Dig. CALL 811

LAS VEGAS NV
3191 S JONES BLVD LAS VEGAS, NV 89146
T 702.253.3300 F 702.254.1018

CARLSBAD CA
2248 FARADAY AVE CARLSBAD, CA 92008

JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE PLANTING PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER L. CHAPMAN
733
Expires: 6-30-12
STATE OF NEVADA

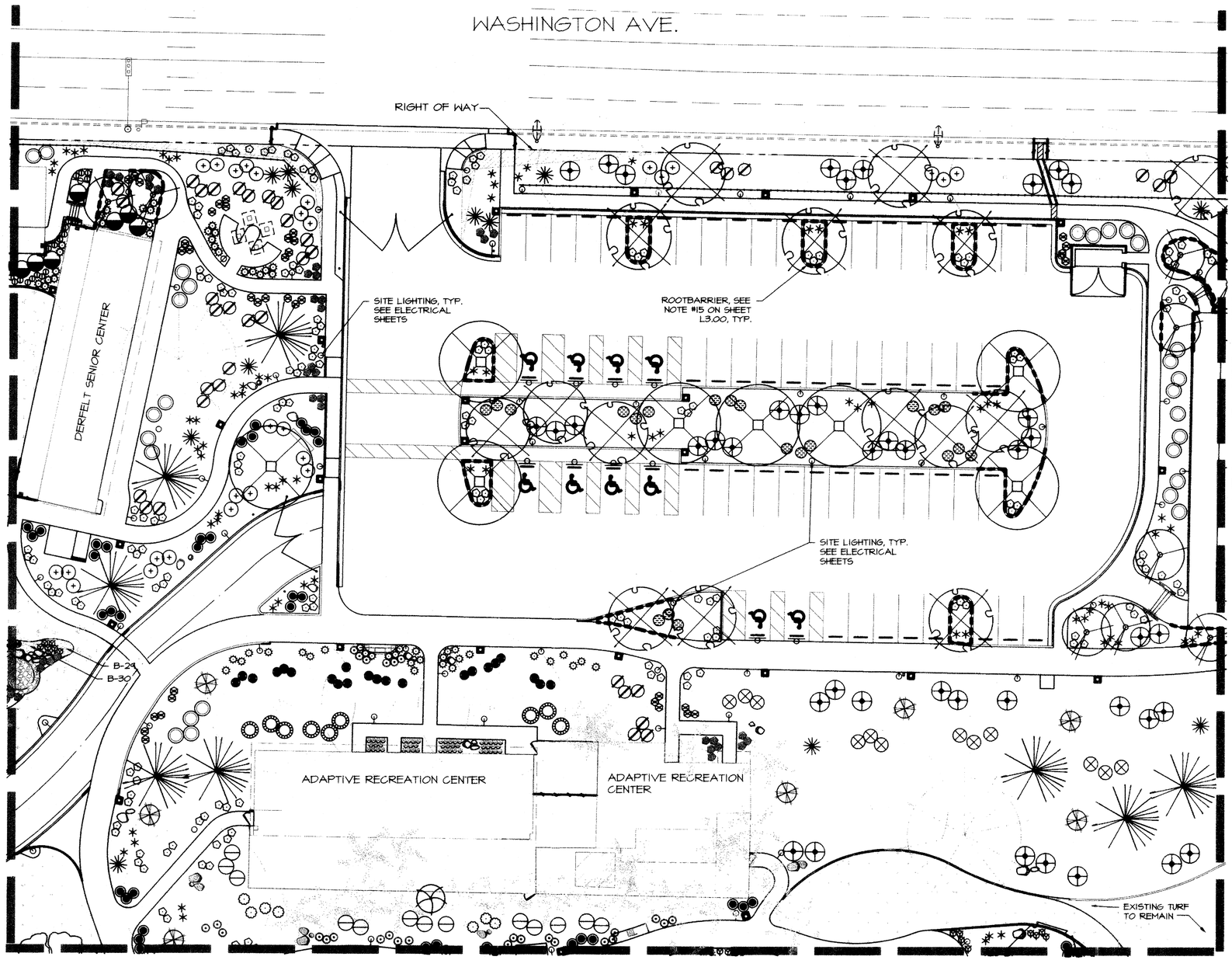
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-3235
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	ME
FILE	336-PTDWG
DATE	6/7/2011
SCALE	1"=20'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
PLANSET NO	33039
SHT NO	L3.01

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BASE BID PLANT SCHEDULE

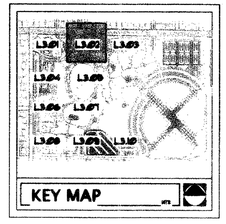
SYMBOL	BOTANICAL NAME	COMMON NAME
	TREES	
	ACACIA STENOPHYLLA	SHOESTRING ACACIA
	CERCIS CANADENSIS	EASTERN REDBUD
	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM
	CHILOPSIS LINEARIS 'WARREN JONES'	DESERT WILLOW
	CHITALPA TASHKENTENSIS 'PINK DAWN'	CHITALPA
	EUCALYPTUS PAPUANA	GHOST GUM
	FICUS CARICA	FIG TREE
	FRAXINUS VELUTINA 'RIO GRANDE'	RIO GRANDE ASH
	GLEDITSIA TRIACANTHOS INERMIS	THORNLESS HONEY LOCUST
	LAGERSTROEMIA INDICA 'CATAWBA'	CATAWBA CRAPE MYRTLE
	LIGUSTRUM LUCIDUM	GLOSSY PRIVET
	PISTACIA CHINENSIS	CHINESE PISTACHE
	PINUS ELDARICA	MONDEL PINE
	PROSOPIS X 'PHOENIX'	THORNLESS SOUTH AMERICAN HYBRID MESQUITE
	QUERCUS VIRGINIANA 'HERITAGE'	HERITAGE LIVE OAK
	SALIX BABYLONICA	WEEPING WILLOW
	SOPHORA SECUNDIFLORA	TEXAS MOUNTAIN LAUREL
	ULMUS PARVIFOLIA 'EMER II'	ALLEE ELM
	WASHINGTONIA FILIFERA	CALIFORNIA FAN PALM
	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM
	EXISTING TREES	
	EXISTING & RELOCATED PALM TREE	
	EXISTING PINE TREE	
	EXISTING TREE	
	EXISTING SHRUB	
	SHRUBS	
	CALLIANDRA X 'SIERRA STAR' PPAF	SIERRA STAR
	CALLISTEMON VIMINALIS 'LITTLE JOHN'	DWARF BOTTLE BRUSH
	ILEX VOMITORIA 'NANA'	DWARF YAUPON HOLLY
	LEUCOPHYLLUM FRUTESCENS 'GREEN CLOUD'	GREEN TEXAS RANGER
	LEUCOPHYLLUM LANGMANIAE 'LYNN'S LEGACY'	LYNNS LEGACY SAGE
	NANDINA DOMESTICA 'COMPACTA'	DWARF HEAVENLY BAMBOO
	PITTOSPORUM TOBIRA 'VARIEGATA'	VARIEGATED MOCK ORANGE
	PYRACANTHA COCCINEA 'LOMBOY'	LOMBOY PYRACANTHA
	RHAPHIOLEPIS INDICA 'JACK EVANS'	JACK EVANS INDIAN HAWTHORN
	RHAPHIOLEPIS INDICA 'PINKIE DWARF'	DWARF INDIAN HAWTHORN
	RHAMNUS CALIFORNICA 'EVE'S CASE'	COFFEEBERRY
	RHUS OVATA	SUGAR BUSH
	SENNA (CASSIA) NEMOPHILA	DESERT CASSIA
	TECOMA HYBRID 'SIERRA APRICOT'	YELLOW BELLS 'SIERRA APRICOT'
	GROUNDCOVERS	
	ACACIA REDOLENS 'DESERT CARPET'	TRAILING ACACIA
	DALEA GREGGII	TRAILING INDIGO BUSH
	DELOSPERMA CONGESTUM 'GOLD NUGGET'	GOLD NUGGET ICE PLANT
	LANTANA MONTEVIDENSIS	PURPLE TRAILING LANTANA
	LANTANA SPECIES 'NEW GOLD'	NEW GOLD LANTANA
	LIRIOPE MUSCARI	LILY TURF
	MYOPORUM PARVIFOLIUM	PROSTRATE MYOPORUM
	PITTOSPORUM TOBIRA	DWARF MOCK ORANGE
	RHYNCHOSPERMUM (TRACHELOSPERMUM) JASMINOIDES	STAR JASMINE
	ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET'	SPREADING ROSEMARY
	ACCENTS	
	BAILEYA MULTIRADIATA	DESERT MARIGOLD
	CAESALPINIA GILLIESII	YELLOW BIRD OF PARADISE
	DIETES BICOLOR	EVERGREEN IRIS
	MUHLENBERGIA CAPILLARIS 'REGAL MIST'	REGAL MIST DEER GRASS
	MUHLENBERGIA EMERSLEYI 'EL TORO'	EL TORO DEER GRASS
	MUHLENBERGIA RIGIDA 'NASHVILLE'	NASHVILLE GRASS
	NOLINA MICROCARPA	BEAR GRASS
	PENSTEMON EATONII	FIRECRACKER PENSTEMON
	ROSA SP.	NEW ROSES
	SALVAGE AND RELOCATE	ROSES MESQUITE CLUB MEMORIAL GARDEN
	TAGETES LUCIDA	LICORICE MARIGOLD
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	AGAVE GEMINIFLORA	TWIN-FLOWERED AGAVE
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	DASYLIRION QUADRANGULATUM (LONGISSIMUM)	TOOTHLESS SOTOL
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	FOUQUIERIA SPLENDENS	OCOTILLO
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	LEMAIREOCEREUS THURBERI	ORGANPIPE CACTUS
	OPUNTIA VIOLACEA 'SANTA-RITA'	PURPLE PRICKLY PEAR
	YUCCA RIGIDA	BLUE YUCCA
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	BERLANDIERA LYRATA	CHOCOLATE FLOWER
	CHAMAEMELUM NOBILE	ROMAN CHAMOMILE
	CHRYSACTINIA MEXICANA	DAMIANITA
	COSMOS ATROSANGUINEUS	CHOCOLATE COSMOS
	LAVANDULA STOECHAS	SPANISH LAVENDER
	LIATRIS SPICATA 'KOBOLD'	KOBOLD GAYFEATHER
	MELISSA OFFICINALIS	LEMON BALM
	ORIGANUM DICTAMNUS	DITTANY OF CRETE
	SALVIA OFFICINALIS	COMMON SAGE
	SEMPERVIVUM SP.	HENS AND CHICKS
	THYMUS CITRIODORUS	LEMON THYME
	VINES	
	ANTIGONON LEPTOPUS	QUEEN'S WREATH VINE
	SENECIO CONFUSUS	MEXICAN FLAME VINE
	MARGINAL (AQUATIC) PLANTS	
	TYPHA ANGUSTIFOLIA	NARROW-LEAVED CATTAIL
	JUNCUS CARMENS	CARMENS JAPANESE RUSH
	TURF	
	EXISTING	
	HYBRID BERMUDA	

SITE AMENITIES

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- BARBECUE
- GROUP BARBECUE
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- DOGI-POT
- RELOCATED STATUE, SEE SIGNAGE PLANS, SHEET L5.01
- BIKE RACK
- ADA PRECAST CONCRETE CAFE/GAME TABLE GAME BOARD AS NOTED ON PLANS

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MODEL: UB24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
BURLINGAME, CA 94010
TELEPHONE: (800) 458-7668

SEE SHEET L3.00 FOR COMPLETE PLANTING NOTES AND PLANT COUNTS



RECORD AS-BUILT

L.S. Plan 11.15.11

SCALE: 1" = 20'-0"

NORTH

Call before you OVERHEAD 1-702-227-2929

Call before you Dig. CALL 811

LAS VEGAS NV
3191 S. JONES BLVD. LAS VEGAS, NV 89146
T 702.253.9390 F 702.253.1016
CARLSBAD CA
2246 FARADAY AVE. CARLSBAD, CA 92008
jwsandiego.com | NV #1161 | UT #10594 | NM #382 | AZ #35136 | CA #3736 | TX #1736
JW ZUMINO LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE PLANTING PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER I. KNOPKE
No. 1161
Expires 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

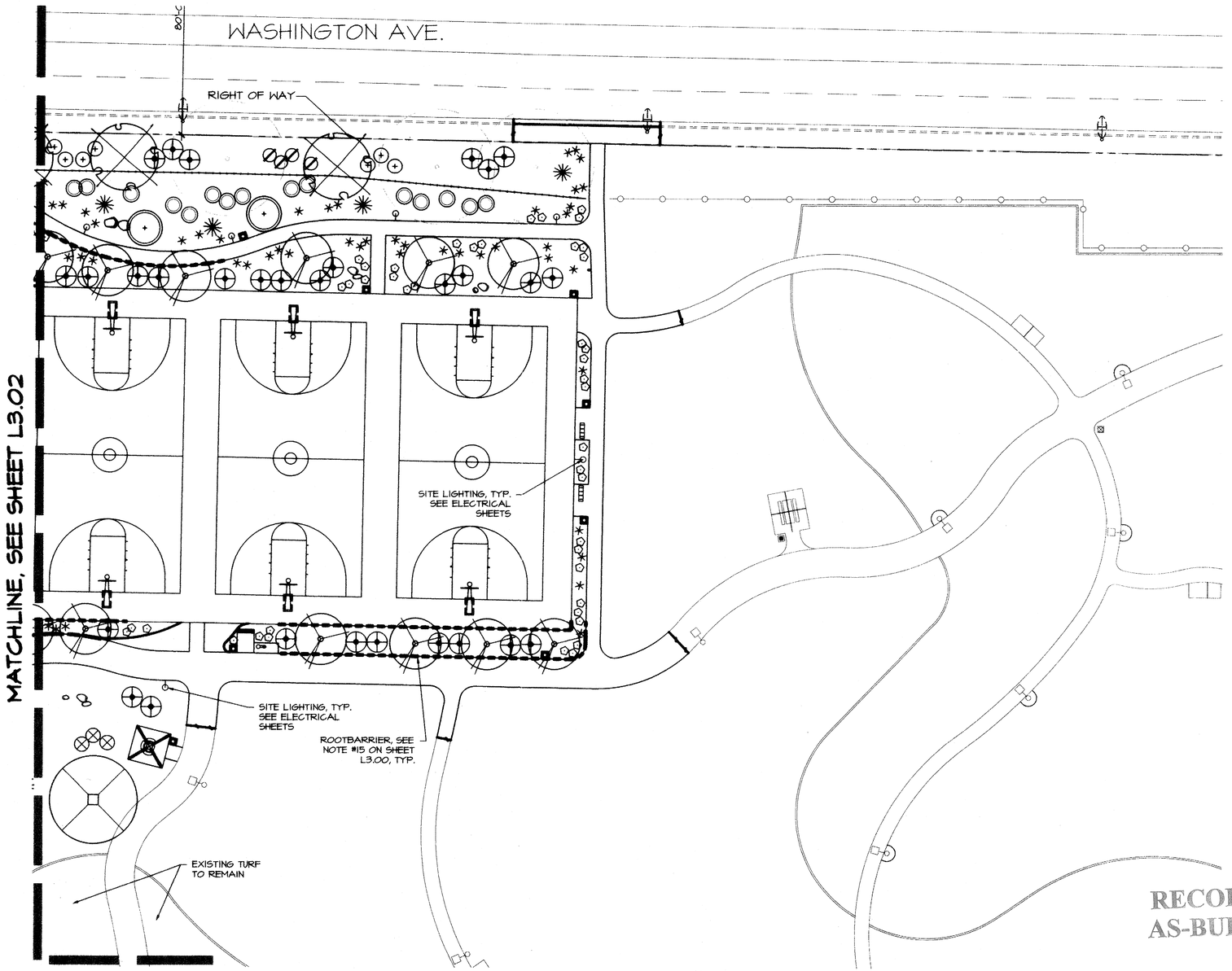
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6533
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN BY	CED
FILE TITLE	ES-PT.DWG
DATE	6/17/2011
SCALE	1"=20'-0"
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L3.02

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BASE BID PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME
	TREES	
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	AGASTACHE FOENICULUM	ANISE HYSSOP
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	TYPHA ANGUSTIFOLIA	NARROW-LEAVED CATTAIL
	JUNCUS CARMENS	CARMENS JAPANESE RUSH
	TURF	
	EXISTING HYBRID BERMUDA	

SITE AMENITIES

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MODEL: UB24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
BURLINGAME, CA 94010
TELEPHONE: (800) 458-7668

SEE SHEET L3.00 FOR COMPLETE PLANTING NOTES AND PLANT COUNTS



IRRIGATION SHALL BE DESIGNED TO SERVICE ALL LANDSCAPED AREAS

0 20' 40' 80'
SCALE: 1" = 20'-0"

NORTH

Call before you OVERHEAD 1-702-221-2424
Call before you Dig. CALL 811

LAS VEGAS NV
3191 S. JONES BLVD. LASVEGAS, NV 89146
T 702.253.9390 F 702.253.1016
CARLSBAD CA
2248 FARADAY AVE. CARLSBAD, CA 92008
jwinc.com
NV #1161 | UT #292594 | WA #292 | AZ #22166 | CA #3728 | TX #1196
J W ZUMINO
LANDSCAPE ARCHITECTURE

CONSULTANT

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE PLANTING PLAN

STAMP
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LAWSON
Expires: 6/30/12
STATE OF NEVADA

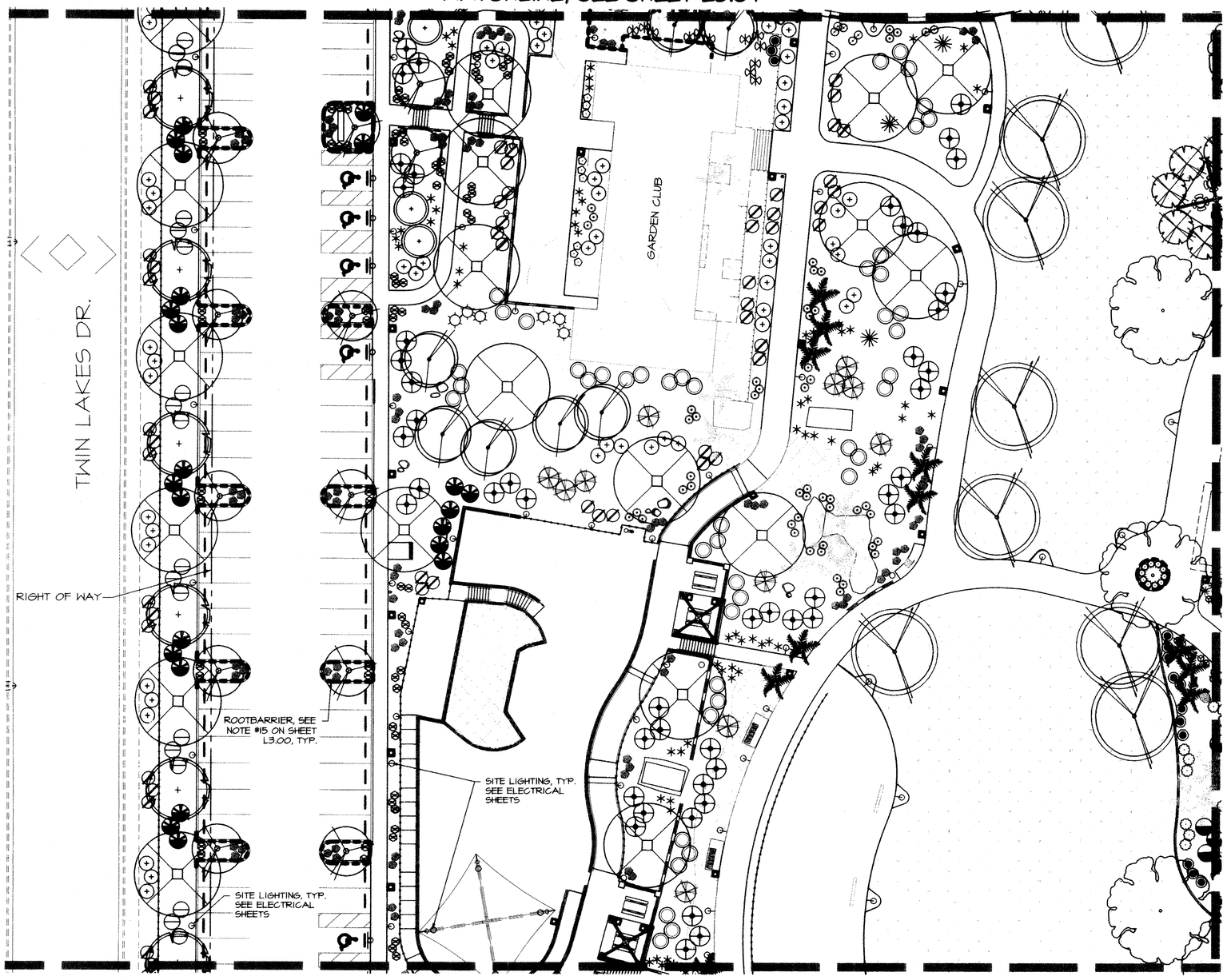
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-9232
TDD: (702) 386-9108

DRAWN	CBS
FILE	136-PT.DWG
DATE	9/7/2011
SCALE	1"=20'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
PW#/EN NO	33039
SHT NO	L3.03

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BASE BID PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME
	TREES	
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	LEUCOPHYLLUM FRUTESCENS 'GREEN CLOUD'	GREEN TEXAS RANGER
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	HESPERALOE PARVIFLORA 'RED'	RED YUCCA
	LEMAIREOCEREUS THURBERI	ORGANPIPE CACTUS
	OPUNTIA VIOLACEA 'SANTA-RITA'	PURPLE PRICKLY PEAR
	YUCCA RIGIDA	BLUE YUCCA
	EXISTING CACTI & YUCCA	
	PROTECT IN PLACE	JOSHUA TREE
	PROTECT IN PLACE	OCOTILLO
	PROTECT IN PLACE	BARREL CACTUS
	SALVAGE AND RELOCATE	BARREL CACTUS
	SALVAGE AND RELOCATE	HEDGEHOG CACTUS
	SALVAGE AND RELOCATE	PRICKLY PEAR
	SALVAGE AND RELOCATE	AGAVE
	SENSORY GARDEN PLANTS	
	AGASTACHE FOENICULUM	ANISE HYSSOP
	ASPARAGUS DENSIFLORUS 'MEYERSII'	FOXTAIL FERN
	BERLANDIERA LYRATA	CHOCOLATE FLOWER
	CHAMAEMELUM NOBILE	ROMAN CHAMOMILE
	CHRYSACTINIA MEXICANA	DAMIANITA
	COSMOS ATROSANGUINEUS	CHOCOLATE COSMOS
	LAVANDULA STOECHAS	SPANISH LAVENDER
	LIATRIS SPICATA 'KOBOLD'	KOBOLD GAYFEATHER
	MELISSA OFFICINALIS	LEMON BALM
	ORIGANUM DICTAMUS	DITTANY OF CRETE
	SALVIA OFFICINALIS	COMMON SAGE
	SEMPERVIVUM SP.	HENS AND CHICKS
	THYMUS CITRIODORUS	LEMON THYME
	VINES	
	ANTIGONON LEPTOPUS	QUEEN'S WREATH VINE
	SENECIO CONFUSUS	MEXICAN FLAME VINE
	MARGINAL (AQUATIC) PLANTS	
	TYPHA ANGUSTIFOLIA	NARROW-LEAVED CATTAIL
	JUNCUS GARMENS	GARMENS JAPANESE RUSH
	TURF	
	EXISTING	
	HYBRID BERMUDA	

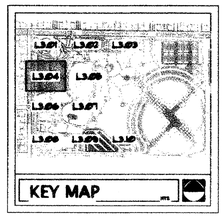
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TELEPHONE: (800) 458-7668

SEE SHEET L3.00 FOR COMPLETE PLANTING NOTES AND PLANT COUNTS

RECORD AS-BUILT
L.S. Plan 11.15.12



0 20' 40' 80'
SCALE: 1" = 20'-0"

NORTH

Call before you OVERHEAD 1-702-227-2424

Call before you Dig. CALL 811

LAS VEGAS NV
3191 S. JONES BLVD., LAS VEGAS, NV 89146
T 702.253.9310 F 702.253.1016

CARLSBAD CA
2248 FARADAY AVE CARLSBAD, CA 92008

JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
PLANTING PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LAGRAMA 7039 STATE OF NEVADA
Expires: 6/30/12

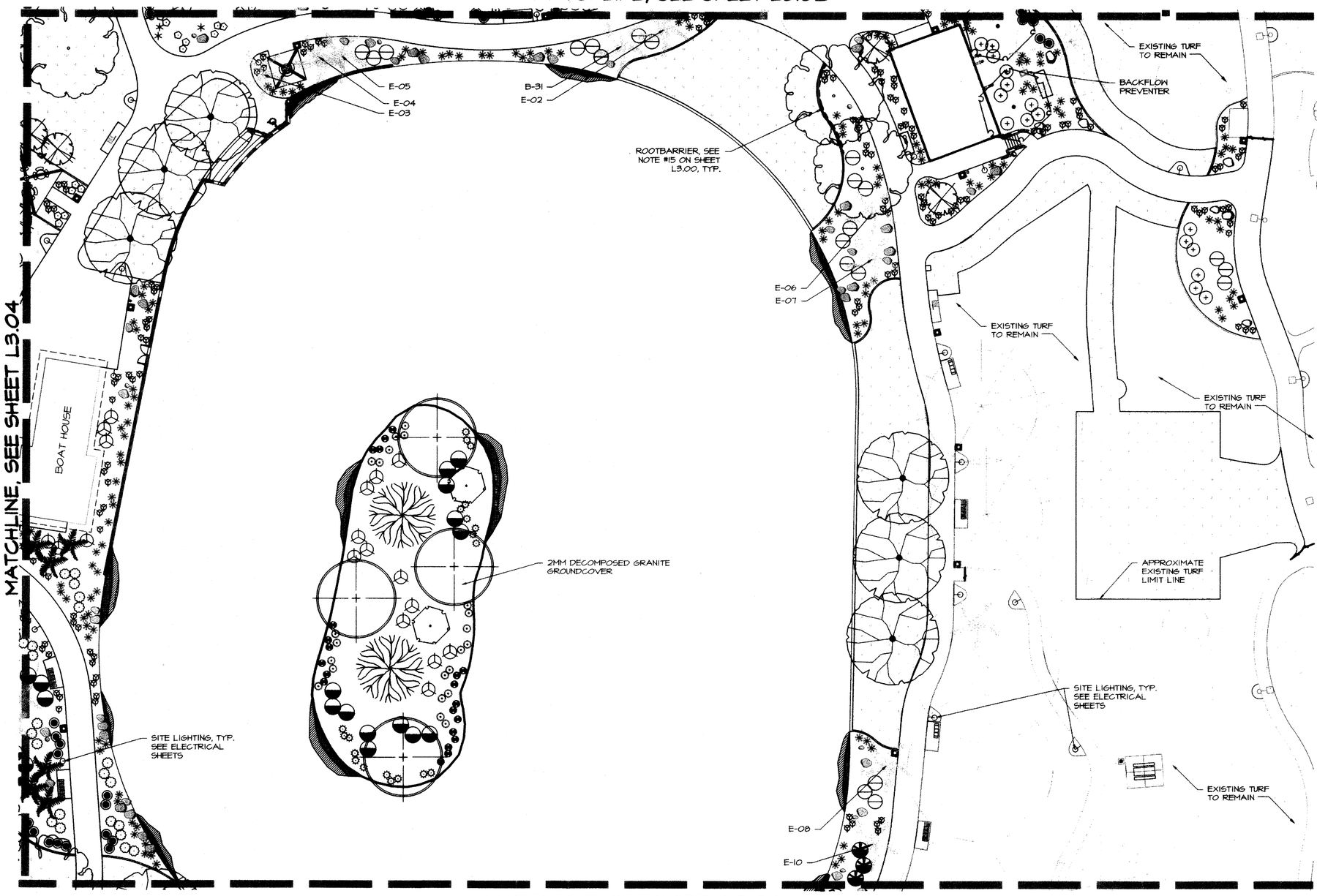
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6525
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-PTD#5
DATE	6/27/2011
SCALE	1"=20'-0"
JOB NO	10.15341.04
CLV DWG NO	650.19-47-2
PARCEL NO	33039
SHT NO	L3.04

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MATCHLINE, SEE SHEET L3.02

MATCHLINE, SEE SHEET L3.04



MATCHLINE, SEE SHEET L3.07

BASE BID PLANT SCHEDULE

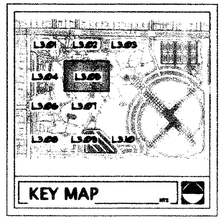
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	EXISTING PINE TREE	
	EXISTING TREE	
	EXISTING SHRUB	
	SHRUBS	
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	CALLISTEMON VIMINALIS 'LITTLE JOHN'	DWARF BOTTLE BRUSH
	ILEX VOMITORIA 'NANA'	DWARF YAUPON HOLLY
	LEUCOPHYLLUM FRUTESCENS 'GREEN CLOUD'	GREEN TEXAS RANGER
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	NANDINA DOMESTICA 'COMPACTA'	DWARF HEAVENLY BAMBOO
	PITTOSPORUM TOBIRA 'VARIEGATA'	VARIEGATED MOCK ORANGE
	PYRACANTHA COCCINEA 'LOMBOY'	LOMBOY PYRACANTHA
	RHAPHIOLEPIS INDICA 'JACK EVANS'	JACK EVANS INDIAN HAWTHORN
	RHAPHIOLEPIS INDICA 'PINKIE DWARF'	DWARF INDIAN HAWTHORN
	RHAMNUS CALIFORNICA 'EVE'S CASE'	COFFEEBERRY
	RHUS OVATA	SUGAR BUSH
	SENNA (CASSIA) NEMOPHILA	DESERT CASSIA
	TECOMA HYBRID 'SIERRA APRICOT'	YELLOW BELLS 'SIERRA APRICOT'
	GROUNDCOVERS	
	ACACIA REDOLENS 'DESERT CARPET'	TRAILING ACACIA
	DALEA GREGGII	TRAILING INDIGO BUSH
	DELOSPERMA CONGESTUM 'GOLD NUGGET'	GOLD NUGGET ICE PLANT
	LANTANA MONTEVIDENSIS	PURPLE TRAILING LANTANA
	LANTANA SPECIES 'NEW GOLD'	NEW GOLD LANTANA
	LIRIOPE MUSCARI	LILY TURF
	MYOPORUM PARVIFOLIUM	PROSTRATE MYOPORUM
	PITTOSPORUM TOBIRA	DWARF MOCK ORANGE
	RHYNCHOSPERMUM (TRACHELOSPERMUM) JASMINOIDES	STAR JASMINE
	ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET'	SPREADING ROSEMARY
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	JUNCUS GARMENS	GARMENS JAPANESE RUSH
	TURF	
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MODEL: UB24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
BURLINGAME, CA 94010
TELEPHONE: (800) 458-1668

SEE SHEET L3.00 FOR COMPLETE PLANTING NOTES AND PLANT COUNTS



RECORD AS-BUILT

L.S. Plan 11.15.11

0 20' 40' 80'
SCALE: 1" = 20'-0"

NORTH

Call before you OVERHEAD 1-702-227-2929

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LAS VEGAS NV
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
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CARLSBAD CA
2248 FARADAY AVE. | CARLSBAD, CA 92008

jwzunino.com | (NV #1134 | LD #0028) | (AZ #28134 | CA #2938 | TX #3788)

JW ZUNINO
LANDSCAPE ARCHITECTURE

CONSULTANT

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE PLANTING PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
No. 1142
Expires: 6.30.12
STATE OF NEVADA

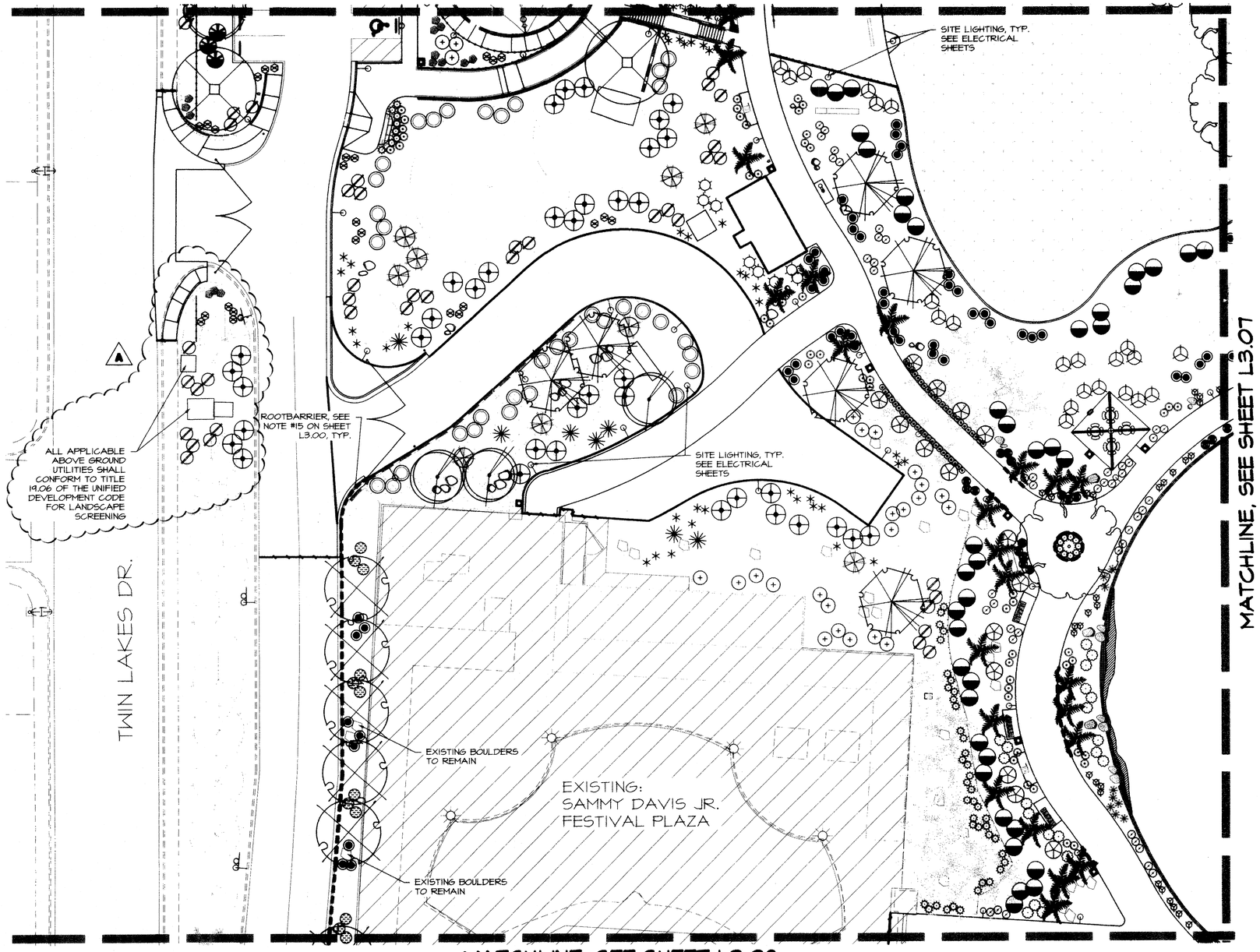
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5233
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-PTDWG
DATE	11/7/2011
SCALE	1"=20'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
CHANGE NO	33039
SHT NO	L3.05

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MATCHLINE, SEE SHEET L3.04



BASE BID PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME
	TREES	
	ACACIA STENOPHYLLA	SHOESTRING ACACIA
	CERCIS CANADENSIS	EASTERN REDBUD
	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM
	CHILOPSIS LINEARIS 'WARREN JONES'	DESERT WILLOW
	CHITALPA TASHKENTENSIS 'PINK DAWN'	CHITALPA
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	SOPHORA SECUNDIFLORA	TEXAS MOUNTAIN LAUREL
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	EXISTING TREE	
	EXISTING SHRUB	
	SHRUBS	
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	CALLISTEMON VIMINALIS 'LITTLE JOHN'	DWARF BOTTLE BRUSH
	ILEX VOMITORIA 'NANA'	DWARF YAUPON HOLLY
	LEUCOPHYLLUM FRUTESCENS 'GREEN CLOUD'	GREEN TEXAS RANGER
	LEUCOPHYLLUM LANGMANIAE 'LYNN'S LEGACY'	LYNN'S LEGACY SAGE
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	PITTOSPORUM TOBIRA 'VARIEGATA'	VARIEGATED MOCK ORANGE
	PYRACANTHA COCCINEA 'LOWBOY'	LOWBOY PYRACANTHA
	RHAPHIOLEPIS INDICA 'JACK EVANS'	JACK EVANS INDIAN HAWTHORN
	RHAPHIOLEPIS INDICA 'PINKIE DWARF'	DWARF INDIAN HAWTHORN
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	RHUS OVATA	SUGAR BUSH
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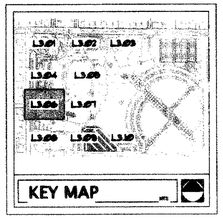
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MANUFACTURER: DEEP ROOT PARTNERS, L.P.
BURLINGAME, CA 94010
TELEPHONE: (800) 458-1668

SEE SHEET L3.00 FOR COMPLETE PLANTING NOTES AND PLANT COUNTS

RECORD AS-BUILT Revised U.S. Plan 11.15.11



SCALE: 1" = 20'-0"

NORTH

Call before you OVERHEAD 1-702-221-2929

Call before you Dig. CALL 811

CLV REVIEW COMMENTS

LAS VEGAS NV
3191 S JONES BLVD LAS VEGAS, NV 89146
T 702.253.9330 F 702.253.1016
CARLSBAD CA
2246 FARADAY AVE CARLSBAD, CA 92008
JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE PLANTING PLAN

REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER L. ZUNINO Expires: 6/30/12 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
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LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6533
FAX: (702) 382-3232
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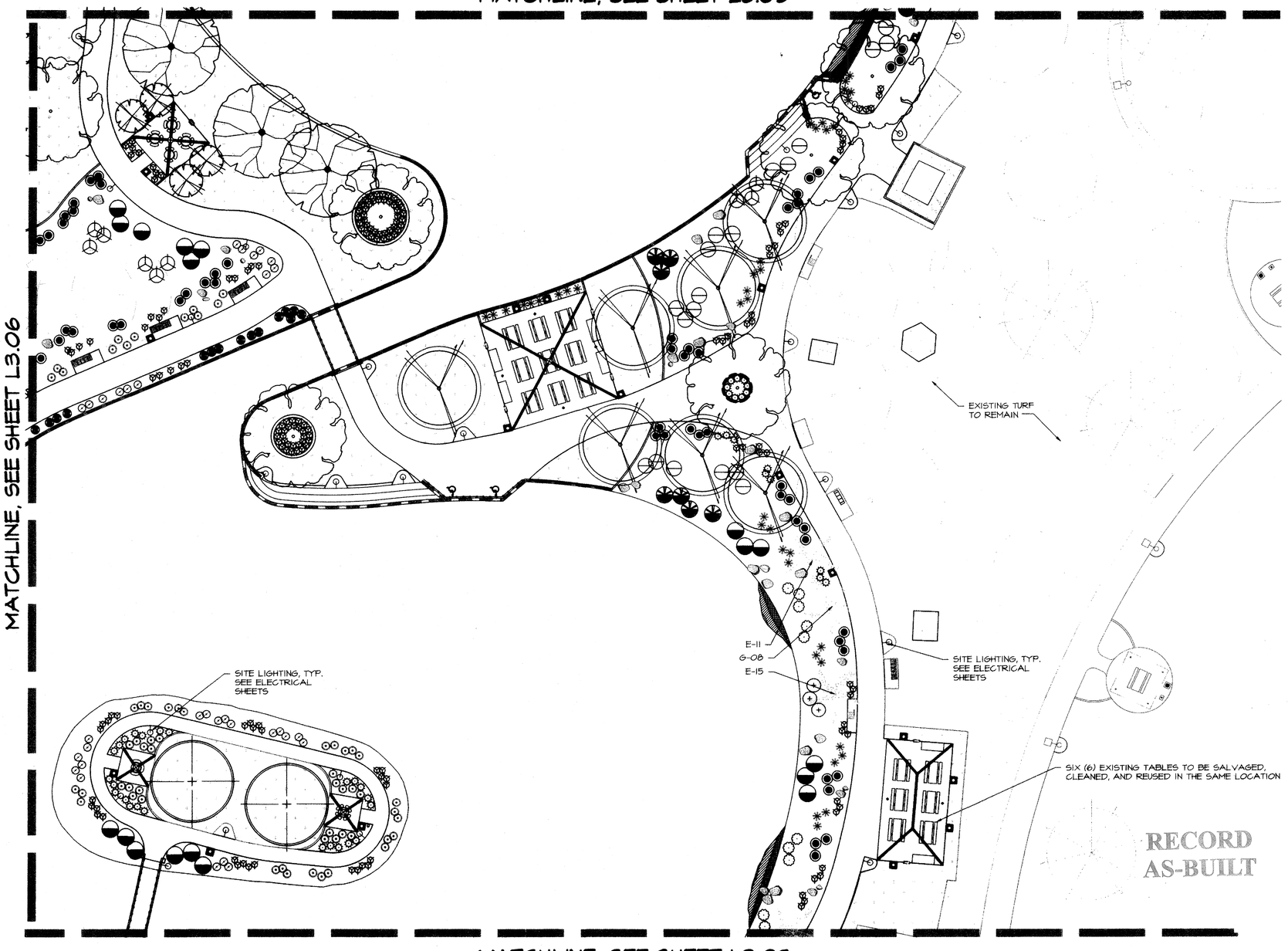
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SCALE	1"=20'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
DRAWER NO	33039
SHT NO	L3.06

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MATCHLINE, SEE SHEET L3.05

MATCHLINE, SEE SHEET L3.06



MATCHLINE, SEE SHEET L3.09

BASE BID PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME
	TREES	
	ACACIA STENOPHYLLA	SHOESTRING ACACIA
	CERCIS CANADENSIS	EASTERN REDBUD
	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM
	CHILOPSIS LINEARIS 'HARREN JONES'	DESERT WILLOW
	CHITALPA TASHKENTENSIS 'PINK DAWN'	CHITALPA
	EUCALYPTUS PAPUANA	GHOST GUM
	FICUS CARICA	FIG TREE
	FRAXINUS VELUTINA 'RIO GRANDE'	RIO GRANDE ASH
	GLEDITSIA TRIACANTHOS INERMIS	THORNLESS HONEY LOCUST
	LAGERSTROEMIA INDICA 'CATAWBA'	CATAWBA CRAPE MYRTLE
	LIGUSTRUM LUCIDUM	GLOSSY PRIVET
	PISTACIA CHINENSIS	CHINESE PISTACHE
	PINUS ELDARICA	MONDEL PINE
	PROSOPIS X 'PHOENIX'	THORNLESS SOUTH AMERICAN HYBRID MESQUITE
	QUERCUS VIRGINIANA 'HERITAGE'	HERITAGE LIVE OAK
	SALIX BABYLONICA	WEEPING WILLOW
	SOPHORA SECUNDIFLORA	TEXAS MOUNTAIN LAUREL
	ULMUS PARVIFOLIA 'EMER II'	ALLEE ELM
	WASHINGTONIA FILIFERA	CALIFORNIA FAN PALM
	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM
	EXISTING TREES	
	EXISTING & RELOCATED PALM TREE	
	EXISTING PINE TREE	
	EXISTING TREE	
	EXISTING SHRUB	
	SHRUBS	
	CALLIANDRA X 'SIERRA STAR' PPAF	SIERRA STAR
	CALLISTEMON VIMINALIS 'LITTLE JOHN'	DWARF BOTTLE BRUSH
	ILEX VOMITORIA 'NANA'	DWARF YAUPON HOLLY
	LEUCOPHYLLUM FRUTESCENS 'GREEN CLOUD'	GREEN TEXAS RANGER
	LEUCOPHYLLUM LANGMANIAE 'LYNN'S LEGACY'	LYNN'S LEGACY SAGE
	NANDINA DOMESTICA 'COMPACTA'	DWARF HEAVENLY BAMBOO
	PITTOSPORUM TOBIRA 'VARIEGATA'	VARIEGATED MOCK ORANGE
	PYRACANTHA COCCINEA 'LOWBOY'	LOWBOY PYRACANTHA
	RHAPHIOLEPIS INDICA 'JACK EVANS'	JACK EVANS INDIAN HAWTHORN
	RHAPHIOLEPIS INDICA 'PINKIE DWARF'	DWARF INDIAN HAWTHORN
	RHAMNUS CALIFORNICA 'EVE'S CASE'	COFFEEBERRY
	RHUS OVATA	SUGAR BUSH
	SENNA (CASSIA) NEMOPHILA	DESERT CASSIA
	TECOMA HYBRID 'SIERRA APRICOT'	YELLOW BELLS 'SIERRA APRICOT'
	GROUNDCOVERS	
	ACACIA REDOLENS 'DESERT CARPET'	TRAILING ACACIA
	DALEA GREGGII	TRAILING INDIGO BUSH
	DELOSPERMA CONGESTUM 'GOLD NUGGET'	GOLD NUGGET ICE PLANT
	LANTANA MONTEVIDENSIS	PURPLE TRAILING LANTANA
	LANTANA SPECIES 'NEW GOLD'	NEW GOLD LANTANA
	LIRIOPE MUSCARI	LILY TURF
	MYOPORUM PARVIFOLIUM	PROSTRATE MYOPORUM
	PITTOSPORUM TOBIRA	DWARF MOCK ORANGE
	RHYNCHOSPERMUM (TRACHELOSPERMUM) JASMINOIDES	STAR JASMINE
	ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET'	SPREADING ROSEMARY
	ACCENTS	
	BAILEYA MULTIRADIATA	DESERT MARIGOLD
	CAESALPINIA GILLIESII	YELLOW BIRD OF PARADISE
	DIETES BICOLOR	EVERGREEN IRIS
	MUHLENBERGIA CAPILLARIS 'REGAL MIST'	REGAL MIST DEER GRASS
	MUHLENBERGIA EMERSLEYI 'EL TORO'	EL TORO DEER GRASS
	MUHLENBERGIA RIGIDA 'NASHVILLE'	NASHVILLE GRASS
	NOLINA MICROCARPA	BEAR GRASS
	PENSTEMON EATONII	FIRECRACKER PENSTEMON
	ROSA SP.	NEW ROSES
	SALVAGE AND RELOCATE	ROSES (MESQUITE CLUB MEMORIAL GARDEN)
	TAGETES LUCIDA	LICORICE MARIGOLD
	AGAVE, CACTI & YUCCA	
	AGAVE GEMINIFLORA	TWIN-FLOWERED AGAVE
	AGAVE MULTIFILIFERA	CHAHUQUI
	AGAVE OVATIFOLIA	WHALE'S TONGUE AGAVE
	CLEISTOCACTUS STRAUSII	SILVER TORCH CACTUS
	DASYLIRION QUADRANGULATUM (LONGISSIMUM)	TOOTHLESS SOTOL
	FEROCACTUS GRUSONII	GOLDEN BARREL CACTUS
	FOUQUIERIA SPLENDENS	OCOTILLO
	HESPERALOE PARVIFLORA 'RED'	RED YUCCA
	LEMAIREOCEREUS THURBERI	ORGANPIPE CACTUS
	OPUNTIA VIOLACEA 'SANTA-RITA'	PURPLE PRICKLY PEAR
	YUCCA RIGIDA	BLUE YUCCA
	EXISTING CACTI & YUCCA	
	PROTECT IN PLACE	JOSHUA TREE
	PROTECT IN PLACE	OCOTILLO
	PROTECT IN PLACE	BARREL CACTUS
	SALVAGE AND RELOCATE	BARREL CACTUS
	SALVAGE AND RELOCATE	HEDGEHOG CACTUS
	SALVAGE AND RELOCATE	PRICKLY PEAR
	SALVAGE AND RELOCATE	AGAVE
	SENSORY GARDEN PLANTS	
	AGASTACHE FOENICULUM	ANISE HYSSOP
	ASPARAGUS DENSIFLORUS 'MEYERSII'	FOXTAIL FERN
	BERLANDIERA LYRATA	CHOCOLATE FLOWER
	CHAMAEMELUM NOBILE	ROMAN CHAMOMILE
	CHRYSACTINIA MEXICANA	DAMIANITA
	COSMOS ATROSANGUINEUS	CHOCOLATE COSMOS
	LAVANDULA STOECHAS	SPANISH LAVENDER
	LIATRIS SPICATA 'KOBOLD'	KOBOLD GAYFEATHER
	MELISSA OFFICINALIS	LEMON BALM
	ORIGANUM DICTAMNUS	DITTANY OF CRETE
	SALVIA OFFICINALIS	COMMON SAGE
	SEMPERVIVUM SP.	HENS AND CHICKS
	THYMUS CITRIODORUS	LEMON THYME
	VINES	
	ANTIGONON LEPTOPUS	QUEEN'S WREATH VINE
	SENECIO CONFUSUS	MEXICAN FLAME VINE
	MARGINAL (AQUATIC) PLANTS	
	TYPHA ANGUSTIFOLIA	NARROW-LEAVED CATTAIL
	JUNCUS CARMENS	CARMENS JAPANESE RUSH
	TURF	
	EXISTING	
	HYBRID BERMUDA	

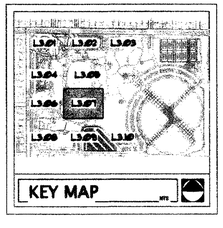
UNDERGROUND SPRINKLING SYSTEM REQUIRED IN ALL LANDSCAPED AREAS

SITE AMENITIES

- PRECAST CONCRETE BENCH WITHOUT BACK
- PRECAST CONCRETE BENCH WITH BACK
- PRECAST CONCRETE CAFE TABLE
- PRECAST CONCRETE PICNIC TABLE
- PRECAST CONCRETE TRASH RECEPTACLE (SEE NOTE # 13) BARBECUE
- GROUP BARBECUE
- DRINKING FOUNTAIN
- DOGI-POT
- RELOCATED STATUE, SEE SIGNAGE PLANS, SHEET L5.01
- BIKE RACK
- ADA PRECAST CONCRETE CAFE/GAME TABLE GAME BOARD AS NOTED ON PLANS

CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMTER/EDGE OF PAVEMENT OF ALL PARKING ISLANDS AND ANY OTHER PLANTING AREAS NOTED IN THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
MODEL: UB24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
BURLINGAME, CA 94010
TELEPHONE: (800) 458-7668

SEE SHEET L3.00 FOR COMPLETE PLANTING NOTES AND PLANT COUNTS



SCALE: 1" = 20'-0"

NORTH

Call before you OVERHEAD 1-702-221-2929

Call before you Dig. CALL 811

L.S. Plan 11.15.11

RECORD AS-BUILT

LAS VEGAS NV
3191 S. JONES BLVD. LAS VEGAS, NV 89146
T. 702.253.9380 F. 702.253.1016
CARLSBAD CA
2245 FARADAY AVE. CARLSBAD, CA 92008
JW ZUNINO LANDSCAPE ARCHITECTURE

CONSULTANT

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
PLANTING PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LAWRENCE ZUNINO 10/14/11 Expires: 8/31/12 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

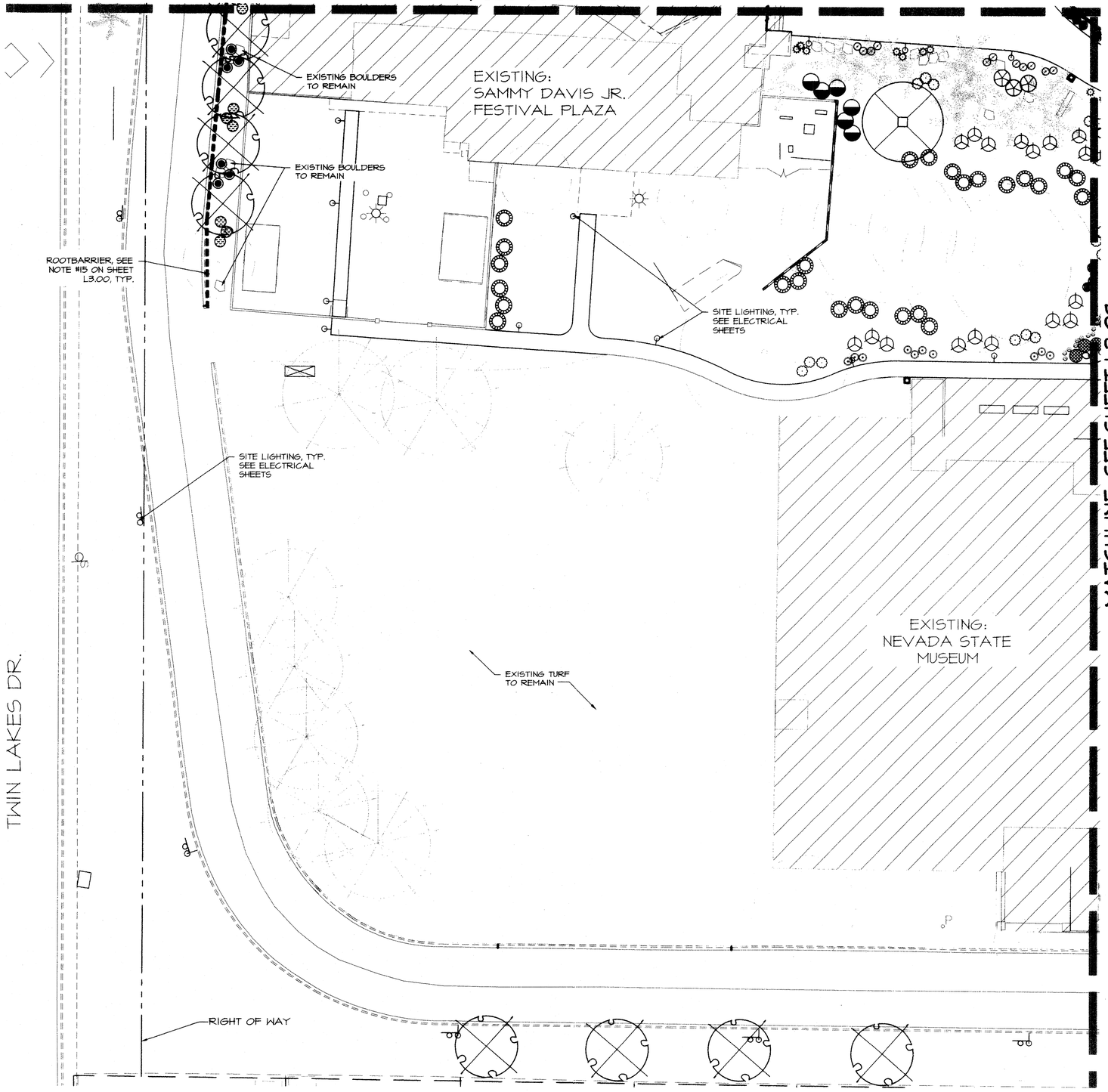
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6533
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-PTDWG
DATE	6/27/2011
SCALE	1"=20'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
PW/DEN NO	33039
SHT NO	L3.07

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CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMTER/EDGE OF PAVEMENT OF ALL PARKING ISLANDS AND ANY OTHER PLANTING AREAS NOTED IN THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
MODEL: UB24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
BURLINGAME, CA 94010
TELEPHONE: (800) 458-7668

SEE SHEET L1.00 NOTE #3 FOR DEMOLITION AND EXISTING CONDITIONS

SEE SHEET L3.00 FOR COMPLETE PLANTING NOTES AND PLANT COUNTS

0 20' 40' 80'
SCALE: 1" = 20'-0"

NORTH

L.S. Plan 11.15.11

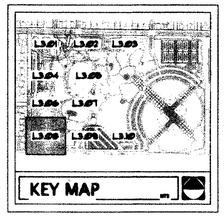
UNDERGROUND SPRINKLING SYSTEM REQUIRED IN ALL LANDSCAPED AREAS

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SYMBOL	BOTANICAL NAME	COMMON NAME
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	WASHINGTONIA FILIFERA	CALIFORNIA FAN PALM
	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM
	EXISTING TREES	
	EXISTING & RELOCATED PALM TREE	
	EXISTING PINE TREE	
	EXISTING TREE	
	EXISTING SHRUB	
	SHRUBS	
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	ACACIA REDOLENS 'DESERT CARPET'	TRAILING ACACIA
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	LANTANA SPECIES 'NEW GOLD'	NEW GOLD LANTANA
	LIRIOPE MUSCARI	LILY TURF
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	PITTOSPORUM TOBIRA	DWARF MOCK ORANGE
	RHYNCHOSERMUM (TRACHELOSPERMUM) JASMINOIDES	STAR JASMINE
	ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET'	SPREADING ROSEMARY
	ACCENTS	
	BAILEYA MULTIRADIATA	DESERT MARIGOLD
	CAESALPINIA GILLIESII	YELLOW BIRD OF PARADISE
	DIETES BICOLOR	EVERGREEN IRIS
	MUHLENBERGIA CAPILLARIS 'REGAL MIST'	REGAL MIST DEER GRASS
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	MUHLENBERGIA RIGIDA 'NASHVILLE'	NASHVILLE GRASS
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	PENSTEMON EATONII	FIRECRACKER PENSTEMON
	ROSA SP.	NEW ROSES
	SALVAGE AND RELOCATE	ROSES (MESQUITE CLUB MEMORIAL GARDEN)
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	AGAVE, CACTI & YUCCA	
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	SALVAGE AND RELOCATE	HEDGEHOG CACTUS
	SALVAGE AND RELOCATE	PRICKLY PEAR
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	SENSORY GARDEN PLANTS	
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	ASPARAGUS DESIFLORUS 'MEYERSII'	FOXTAIL FERN
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	CHRYSACTINIA MEXICANA	DAMIANITA
	COSMOS ATROSANGUINEUS	CHOCOLATE COSMOS
	LAVANDULA STOECHAS	SPANISH LAVENDER
	LIATRIS SPICATA 'KOBOLD'	KOBOLD GAYFEATHER
	MELISSA OFFICINALIS	LEMON BALM
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	SALVIA OFFICINALIS	COMMON SAGE
	SEMPERVIVUM SP.	HENS AND CHICKS
	THYMUS CITRIODORUS	LEMON THYME
	VINES	
	ANTIGONON LEPTOPUS	QUEEN'S WREATH VINE
	SENECIO CONFUSUS	MEXICAN FLAME VINE
	MARGINAL (AQUATIC) PLANTS	
	TYPHA ANGUSTIFOLIA	NARROW-LEAVED CATTAIL
	JUNCUS CARMENS	CARMENS JAPANESE RUSH
	TURF	
	EXISTING HYBRID BERMUDA	

SITE AMENITIES

- PRECAST CONCRETE BENCH WITHOUT BACK
- PRECAST CONCRETE BENCH WITH BACK
- PRECAST CONCRETE CAFE TABLE
- PRECAST CONCRETE PICNIC TABLE
- PRECAST CONCRETE TRASH RECEPTACLE (SEE NOTE # 13)
- BARBECUE
- GROUP BARBECUE
- DRINKING FOUNTAIN
- DOGI-POT
- RELOCATED STATUE, SEE SIGNAGE PLANS, SHEET L5.01
- BIKE RACK
- ADA PRECAST CONCRETE CAFE/GAME TABLE GAME BOARD AS NOTED ON PLANS



RECORD AS-BUILT

LAS VEGAS NV
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T 702.253.9390 F 702.253.1016
CARLSBAD CA
2248 FARADAY AVE. | CARLSBAD, CA 92008
jwzunino.com
NV #1161 | UT #12264 | AZ #22264 | CA #3758 | TX #3788
JWZUNINO
LANDSCAPE ARCHITECTURE

CONSULTANT

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LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE PLANTING PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. WORM
10/19/11
Expires: 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6233
FAX: (702) 382-3232
TDD: (702) 385-3108

DRAWN	CEB
FILE	136-PP.DWG
DATE	6/27/2011
SCALE	1"=20'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L3.08

Call before you OVERHEAD 1-702-221-2424 NEVADA POWER COMPANY AND SOUTHWEST GAS CORPORATION

Call before you Dig. CALL 811 NEVADA 811 UNDERGROUND SERVICE ALERT, USA

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MATCHLINE, SEE SHEET L3.07

MATCHLINE, SEE SHEET L3.08

MATCHLINE, SEE SHEET L3.10

SITE LIGHTING, TYP. SEE ELECTRICAL SHEETS

G-06
G-07

EXISTING TURF TO REMAIN

EXISTING: NEVADA STATE MUSEUM

RECORD AS-BUILT

BASE BID PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME
	TREES	
	ACACIA STENOPHYLLA	SHOESTRING ACACIA
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	EXISTING TREE	
	EXISTING SHRUB	
	SHRUBS	
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	ILEX VOMITORIA 'NANA'	DWARF YAUPON HOLLY
	LEUCOPHYLLUM FRUTESCENS 'GREEN CLOUD'	GREEN TEXAS RANGER
	LEUCOPHYLLUM LANGMANIAE 'LYNN'S LEGACY'	LYNN'S LEGACY SAGE
	NANDINA DOMESTICA 'COMPACTA'	DWARF HEAVENLY BAMBOO
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	LANTANA MONTEVIDENSIS	PURPLE TRAILING LANTANA
	LANTANA SPECIES 'NEW GOLD'	NEW GOLD LANTANA
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	DIETES BICOLOR	EVERGREEN IRIS
	MUHLENBERGIA CAPILLARIS 'REGAL MIST'	REGAL MIST DEER GRASS
	MUHLENBERGIA EMERSLEYI 'EL TORO'	EL TORO DEER GRASS
	MUHLENBERGIA RIGIDA 'NASHVILLE'	NASHVILLE GRASS
	NOLINA MICROCARPA	BEAR GRASS
	PENSTEMON EATONII	FIRECRACKER PENSTEMON
	ROSA SP.	NEW ROSES
	SALVAGE AND RELOCATE	ROSES (MESQUITE CLUB MEMORIAL GARDEN)
	TAGETES LUCIDA	LICORICE MARIGOLD
	AGAVE, CACTI & YUCCA	
	AGAVE GEMINIFLORA	TWIN-FLOWERED AGAVE
	AGAVE MULTIFILIFERA	CHAHUAHUI
	AGAVE OVATIFOLIA	WHALE'S TONGUE AGAVE
	CLEISTOCACTUS STRAUSII	SILVER TORCH CACTUS
	DASYLIRION QUADRANGULATUM (LONGISSIMUM)	TOOTHLESS SOTOL
	FEROCACTUS GRUSONII	GOLDEN BARREL CACTUS
	FOUQUIERIA SPLENDENS	OCOTILLO
	HESPERALOE PARVIFLORA 'RED'	RED YUCCA
	LEMAIREOCEREUS THURBERI	ORGANPIPE CACTUS
	OPUNTIA VIOLACEA 'SANTA-RITA'	PURPLE PRICKLY PEAR
	YUCCA RIGIDA	BLUE YUCCA
	EXISTING CACTI & YUCCA	
	PROTECT IN PLACE	JOSHUA TREE
	PROTECT IN PLACE	OCOTILLO
	PROTECT IN PLACE	BARREL CACTUS
	SALVAGE AND RELOCATE	BARREL CACTUS
	SALVAGE AND RELOCATE	HEDGEHOG CACTUS
	SALVAGE AND RELOCATE	PRICKLY PEAR
	SALVAGE AND RELOCATE	AGAVE
	SENSORY GARDEN PLANTS	
	AGASTACHE FOENICULUM	ANISE HYSSOP
	ASPARAGUS DENSIFLORUS 'MEYERSII'	FOXTAIL FERN
	BERLANDIERA LYRATA	CHOCOLATE FLOWER
	CHAMAEMELUM NOBILE	ROMAN CHAMOMILE
	CHRYSACTINIA MEXICANA	DAMIANITA
	COSMOS ATROSANGUINEUS	CHOCOLATE COSMOS
	LAVANDULA STOECHAS	SPANISH LAVENDER
	LIATRIS SPICATA 'KOBOLD'	KOBOLD GAYFEATHER
	MELISSA OFFICINALIS	LEMON BALM
	ORIGANUM DICTAMNUS	DITTANY OF CRETE
	SALVIA OFFICINALIS	COMMON SAGE
	SEMPERVIVUM SP.	HENS AND CHICKS
	THYMUS CITRIODORUS	LEMON THYME
	VINES	
	ANTIGONON LEPTOPUS	QUEENS WREATH VINE
	SENECIO CONFUSUS	MEXICAN FLAME VINE
	MARGINAL (AQUATIC) PLANTS	
	TYPHA ANGUSTIFOLIA	NARROW-LEAVED CATTAIL
	JUNCUS CARMENS	CARMENS JAPANESE RUSH
	TURF	
	EXISTING	
	HYBRID BERMUDA	

SITE AMENITIES

- PRECAST CONCRETE BENCH WITHOUT BACK
- PRECAST CONCRETE BENCH WITH BACK
- PRECAST CONCRETE CAFE TABLE
- PRECAST CONCRETE PICNIC TABLE
- PRECAST CONCRETE TRASH RECEPTACLE (SEE NOTE # 13)
- BARBECUE

SITE AMENITIES

- GROUP BARBECUE
- DRINKING FOUNTAIN
- DOGI-POT
- RELOCATED STATUE, SEE SIGNAGE PLANS, SHEET L5.01
- BIKE RACK
- ADA PRECAST CONCRETE CAFE/GAME TABLE GAME BOARD AS NOTED ON PLANS

CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMTER/EDGE OF PAVEMENT OF ALL PARKING ISLANDS AND ANY OTHER PLANTING AREAS NOTED IN THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
MODEL: UB24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
BURLINGAME, CA 94010
TELEPHONE: (800) 458-7668

SEE SHEET L3.00 FOR COMPLETE PLANTING NOTES AND PLANT COUNTS

KEY MAP

L.S. Plan 11.15.11

0 20' 40' 80'
SCALE: 1" = 20'-0"

NORTH

UNDERGROUND SPRINKLER SYSTEM REQUIRED FOR LANDSCAPED AREAS

Call before you OVERHEAD 1-702-227-2929

Call before you Dig. CALL 811

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Lorenzi Park-0212.tif

JW ZUNINO
LANDSCAPE ARCHITECTURE
LAS VEGAS NV
3191 S JONES BLVD. LASVEGAS, NV 89146
T 702.253.9390 F 702.253.1018
CARLSBAD CA
2248 FARADAY AVE. CARLSBAD, CA 92008

CONSULTANT

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE PLANTING PLAN

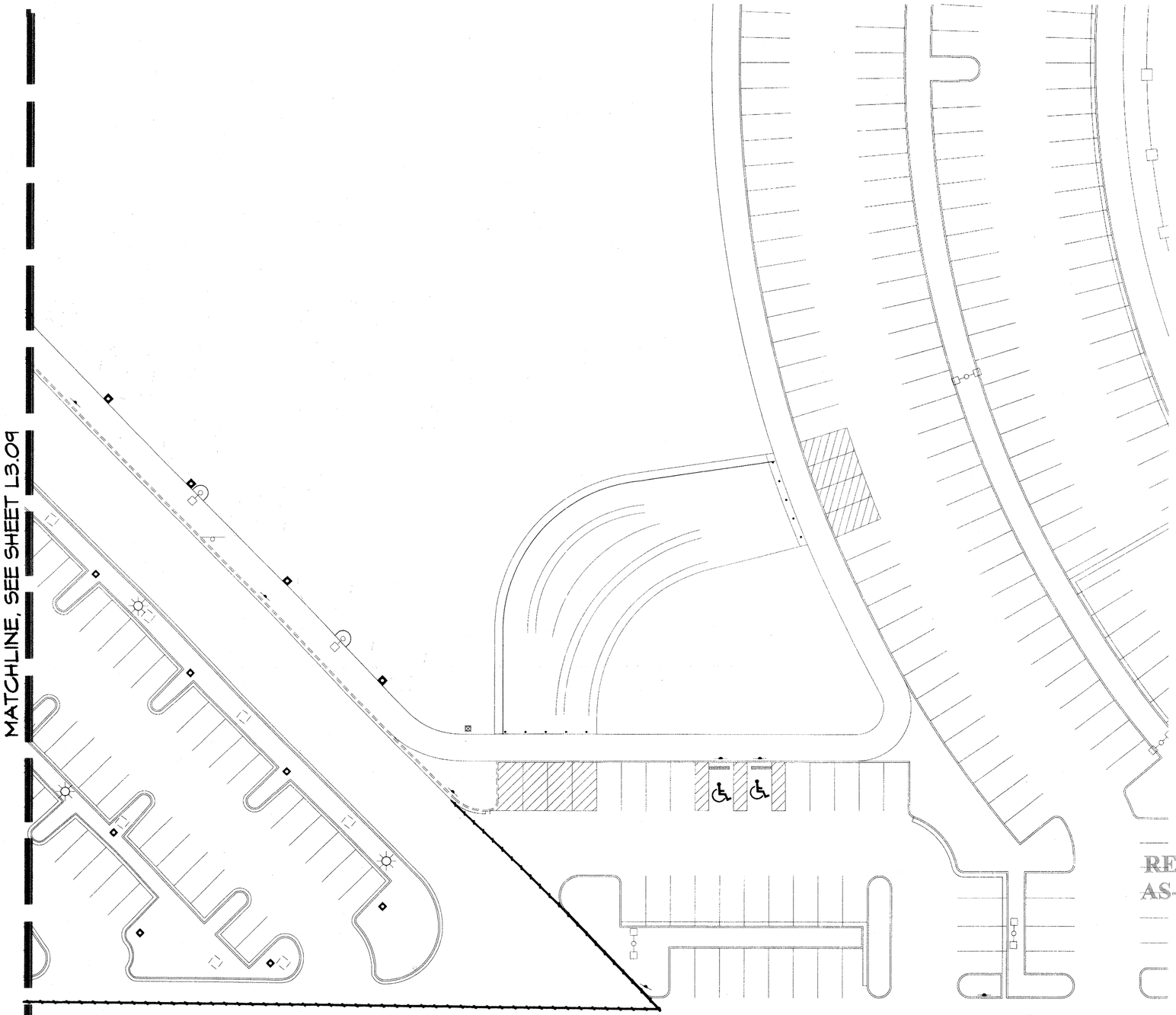
STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. LANGHAM
Expires: 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6233
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	06-PP.DWG
DATE	6/27/2011
SCALE	1"=20'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
PERMISSION NO	33039
SHT NO	L3.09

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BASE BID PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME
	TREES	
	ACACIA STENOPHYLLA	SHOESTRING ACACIA
	CERCIS CANADENSIS	EASTERN REDBUD
	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM
	CHILOPSIS LINEARIS 'WARREN JONES'	DESERT WILLOW
	CHITALPA TASHKENTENSIS 'PINK DAWN'	CHITALPA
	EUCALYPTUS PAPUANA	GHOST GUM
	FICUS CARICA	FIG TREE
	FRAXINUS VELUTINA 'RIO GRANDE'	RIO GRANDE ASH
	GLEDITSIA TRIACANTHOS INERMIS	THORNLESS HONEY LOCUST
	LAGERSTROEMIA INDICA 'CATAWBA'	CATAWBA CRAPE MYRTLE
	LIGUSTRUM LUCIDUM	GLOSSY PRIVET
	PISTACIA CHINENSIS	CHINESE PISTACHE
	PINUS ELDARICA	MONDEL PINE
	PROSOPIS X 'PHOENIX'	THORNLESS SOUTH AMERICAN HYBRID MESQUITE
	QUERCUS VIRGINIANA 'HERITAGE'	HERITAGE LIVE OAK
	SALIX BABYLONICA	WEEPING WILLOW
	SOPHORA SECUNDIFLORA	TEXAS MOUNTAIN LAUREL
	ULMUS PARVIFOLIA 'EMER II'	ALLEE ELM
	WASHINGTONIA FILIFERA	CALIFORNIA FAN PALM
	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM
	EXISTING TREES	
	EXISTING & RELOCATED PALM TREE	
	EXISTING PINE TREE	
	EXISTING TREE	
	EXISTING SHRUB	
	SHRUBS	
	CALLIANDRA X 'SIERRA STAR' PPAF	SIERRA STAR
	CALLISTEMON VIMINALIS 'LITTLE JOHN'	DWARF BOTTLE BRUSH
	ILEX VOMITORIA 'NANA'	DWARF YAUPON HOLLY
	LEUCOPHYLLUM FRUTESCENS 'GREEN CLOUD'	GREEN TEXAS RANGER
	LEUCOPHYLLUM LANGMANIAE 'LYNN'S LEGACY'	LYNN'S LEGACY SAGE
	NANDINA DOMESTICA 'COMPACTA'	DWARF HEAVENLY BAMBOO
	PITTOSPORUM TOBIRA 'VARIEGATA'	VARIEGATED MOCK ORANGE
	PYRACANTHA COCCINEA 'LOWBOY'	LOWBOY PYRACANTHA
	RHAPHIOLEPIS INDICA 'JACK EVANS'	JACK EVANS INDIAN HAWTHORN
	RHAPHIOLEPIS INDICA 'PINKIE DWARF'	DWARF INDIAN HAWTHORN
	RHAMNUS CALIFORNICA 'EVE'S CASE'	COFFEEBERRY
	RHUS OVATA	SUGAR BUSH
	SENNA (CASSIA) NEMOPHILA	DESERT CASSIA
	TECOMA HYBRID SIERRA APRICOT	YELLOW BELLS 'SIERRA APRICOT'
	GROUNDCOVERS	
	ACACIA REDOLENS 'DESERT CARPET'	TRAILING ACACIA
	DALEA GREGGII	TRAILING INDIGO BUSH
	DELOSPERMA CONGESTUM 'GOLD NUGGET'	GOLD NUGGET ICE PLANT
	LANTANA MONTEVIDENSIS	PURPLE TRAILING LANTANA
	LANTANA SPECIES 'NEW GOLD'	NEW GOLD LANTANA
	LIRIOPE MUSCARI	LILY TURF
	MYOPORUM PARVIFOLIUM	PROSTRATE MYOPORUM
	PITTOSPORUM TOBIRA	DWARF MOCK ORANGE
	RHYNCHOSPERMUM (TRACHELOSPERMUM) JASMINOIDES	STAR JASMINE
	ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET'	SPREADING ROSEMARY
	ACCENTS	
	BAILEYA MULTIRADIATA	DESERT MARIGOLD
	CAESALPINIA GILLIESII	YELLOW BIRD OF PARADISE
	DIETES BICOLOR	EVERGREEN IRIS
	MUHLENBERGIA CAPILLARIS 'REGAL MIST'	REGAL MIST DEER GRASS
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	MUHLENBERGIA RIGIDA 'NASHVILLE'	NASHVILLE GRASS
	NOLINA MICROCARPA	BEAR GRASS
	PENSTEMON EATONII	FIRECRACKER PENSTEMON
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	AGAVE GEMINIFLORA	TWIN-FLOWERED AGAVE
	AGAVE MULTIFILIFERA	CHAHUAUII
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	CLEISTOCACTUS STRAUSII	SILVER TORCH CACTUS
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	PROTECT IN PLACE	JOSHUA TREE
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	SALVAGE AND RELOCATE	HEDGEHOG CACTUS
	SALVAGE AND RELOCATE	PRICKLY PEAR
	SALVAGE AND RELOCATE	AGAVE
	SENSORY GARDEN PLANTS	
	AGASTACHE FOENICULUM	ANISE HYSSOP
	ASPARAGUS DESIFLORUS 'MEYERSII'	FOXTAIL FERN
	BERLANDIERA LYRATA	CHOCOLATE FLOWER
	CHAMAEMELUM NOBILE	ROMAN CHAMOMILE
	CHRYSACTINIA MEXICANA	DAMIANITA
	COSMOS ATROSANGUINEUS	CHOCOLATE COSMOS
	LAVANDULA STOECHAS	SPANISH LAVENDER
	LIATRIS SPICATA 'KOBOLD'	KOBOLD GAYFEATHER
	MELISSA OFFICINALIS	LEMON BALM
	ORIGANUM DICTAMNUS	DITTANY OF CRETE
	SALVIA OFFICINALIS	COMMON SAGE
	SEMPERVIVUM SP.	HENS AND CHICKS
	THYMUS CITRIODORUS	LEMON THYME
	VINES	
	ANTIGONON LEPTOPUS	QUEEN'S WREATH VINE
	SENECIO CONFUSUS	MEXICAN FLAME VINE
	MARGINAL (AQUATIC) PLANTS	
	TYPHA ANGUSTIFOLIA	NARROW-LEAVED CATTAIL
	JUNCUS CARMENS	CARMENS JAPANESE RUSH
	TURF	
	EXISTING	
	HYBRID BERMUDA	

SITE AMENITIES

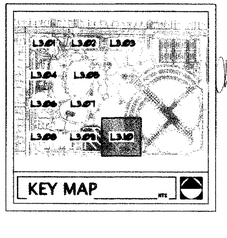
	PRECAST CONCRETE BENCH WITHOUT BACK
	PRECAST CONCRETE BENCH WITH BACK
	PRECAST CONCRETE CAFE TABLE
	PRECAST CONCRETE PICNIC TABLE
	PRECAST CONCRETE TRASH RECEPTACLE (SEE NOTE # 13)
	BARBECUE

SITE AMENITIES

	GROUP BARBECUE
	DRINKING FOUNTAIN
	DOGI-POT
	RELOCATED STATUE, SEE SIGNAGE PLANS, SHEET L5.01
	BIKE RACK
	ADA PRECAST CONCRETE CAFE/GAME TABLE GAME BOARD AS NOTED ON PLANS

CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMTER/EDGE OF PAVEMENT OF ALL PARKING ISLANDS AND ANY OTHER PLANTING AREAS NOTED IN THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
MODEL: UB24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
BURLINGAME, CA 94010
TELEPHONE: (800) 458-1668

SEE SHEET L3.00 FOR COMPLETE PLANTING NOTES AND PLANT COUNTS



L.S.Plan 11.15.11

SCALE: 1" = 20'-0"

NORTH

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT (USA)

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Lorenzi Park-0213.tif

CONSULTANT

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3191 S. JONES BLVD. LAS VEGAS, NV 89146
T 702.253.9390 F 702.253.1018

CARLSBAD CA
2246 FARADAY AVE. CARLSBAD, CA 92008

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LANDSCAPE ARCHITECTURE

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LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE PLANTING PLAN

STAMP

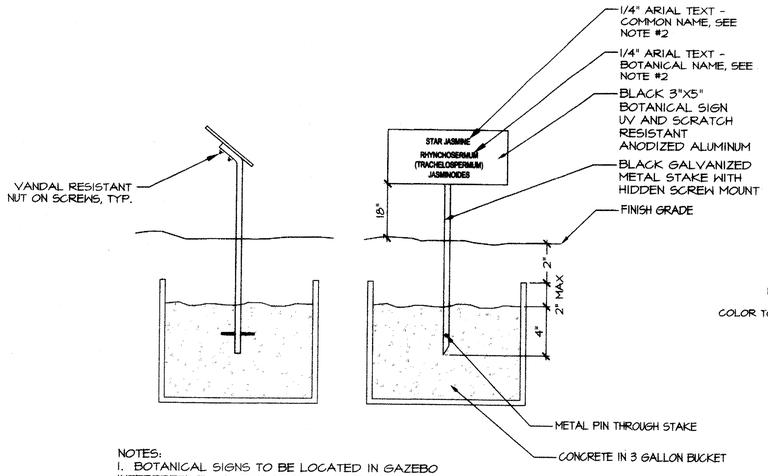
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGTON
1173
10 FEB 12
Expires: 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-8535
FAX: (702) 382-2232
TDD: (702) 386-9108

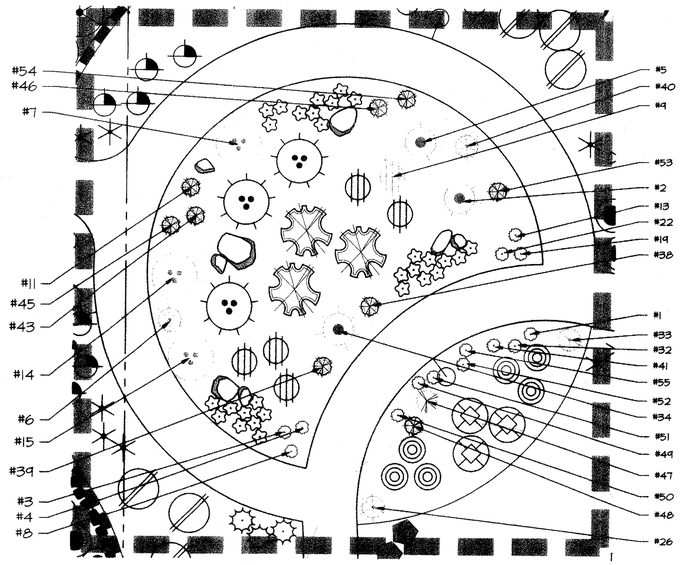
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SCALE	1"=20'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
MANGEN NO	33039
SHT NO	L3.10

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NOTES:
1. BOTANICAL SIGNS TO BE LOCATED IN GAZEBO INTERPRETIVE GARDEN AREAS INCLUDING THE "TOUCH AND FEEL" GARDEN AND CACTUS GARDEN.
2. SEE LANDSCAPE PLANTING SCHEDULE, SHEET L3.00 FOR PLANT NAMES
3. CONTRACTOR RESPONSIBLE TO VERIFY NAME INFORMATION OF PLANT MATERIAL PROVIDED
4. TEXT TO BE REVERSE PRINT, ALUMINUM WITH BLACK BACKGROUND

A BOTANICAL SIGN STAKING



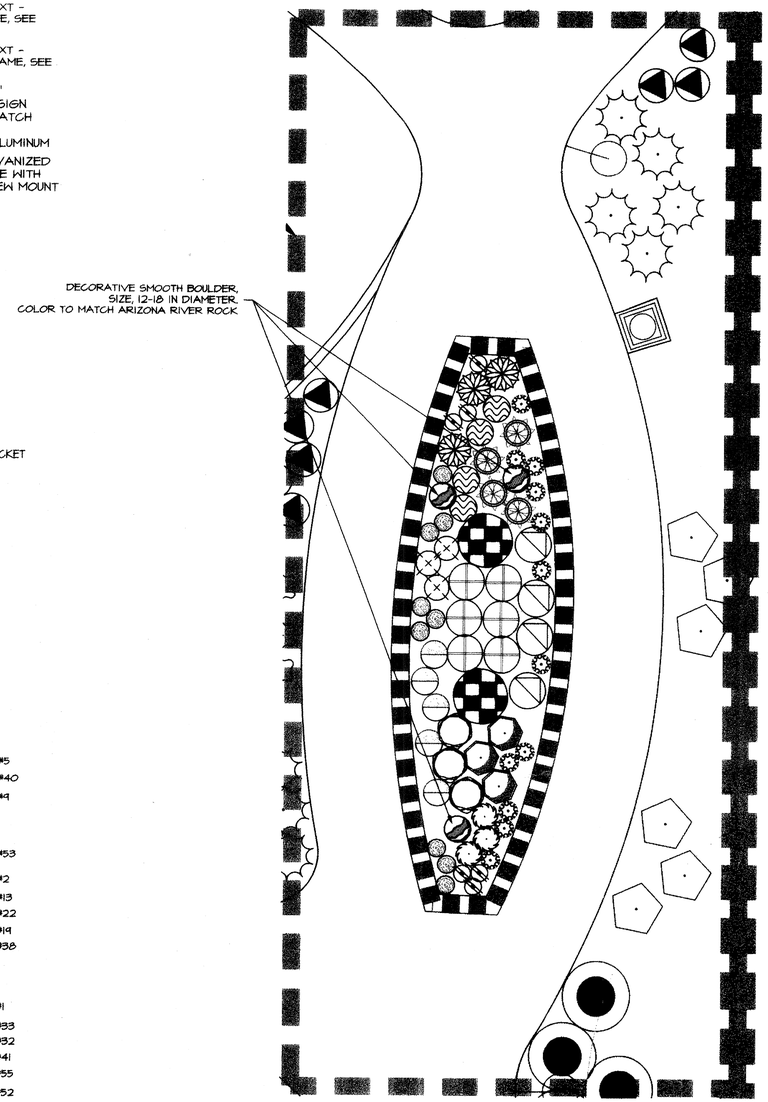
CACTUS GARDEN ENLARGEMENT

1/8"=1'-0"

CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMTER/EDGE OF PAVEMENT OF ALL PARKING ISLANDS AND ANY OTHER PLANTING AREAS NOTED IN THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
MODEL: UB24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
BURLINGAME, CA 94010
TELEPHONE: (800) 458-7668

SEE SHEET L1.10 FOR EXISTING CACTI/YUCCA LOCATIONS

SEE SHEET L3.00 FOR COMPLETE PLANTING NOTES AND PLANT COUNTS



SENSORY GARDEN ENLARGEMENT

1/4"=1'-0"

SITE AMENITIES

- PRECAST CONCRETE BENCH WITHOUT BACK
- PRECAST CONCRETE BENCH WITH BACK
- PRECAST CONCRETE CAFE TABLE
- PRECAST CONCRETE PICNIC TABLE
- PRECAST CONCRETE TRASH RECEPTACLE (SEE NOTE # 13)
- BARBECUE
- GROUP BARBECUE
- DRINKING FOUNTAIN
- DOGI-POT
- RELOCATED STATUE, SEE SIGNAGE PLANS, SHEET L5.01
- BIKE RACK
- ADA PRECAST CONCRETE CAFE/GAME TABLE GAME BOARD AS NOTED ON PLANS

RECORD AS-BUILT

BASE BID PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	BOTANICAL SIGN QTY.
	TREES		
	ACACIA STENOPHYLLA	SHOESTRING ACACIA	
	CERCIS CANADENSIS	EASTERN REDBUD	
	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	
	CHILOPSIS LINEARIS 'WARREN JONES'	DESERT WILLOW	
	CHITALPA TASHKENTENSIS 'PINK DAWN'	CHITALPA	
	EUCALYPTUS PAPUANA	GHOST GUM	
	FICUS CARICA	FIG TREE	
	FRAXINUS VELUTINA 'RIO GRANDE'	RIO GRANDE ASH	
	GLEDITSIA TRIACANTHOS INERMIS	THORNLESS HONEY LOCUST	
	LAGERSTROEMIA INDICA 'CATAWBA'	CATAWBA CRAPE MYRTLE	
	LIGUSTRUM LUCIDUM	GLOSSY PRIVET	
	PISTACIA CHINENSIS	CHINESE PISTACHE	
	PINUS ELDARICA	MONDEL PINE	
	PROSOPIS X 'PHOENIX'	THORNLESS SOUTH AMERICAN HYBRID MESQUITE	
	QUERCUS VIRGINIANA 'HERITAGE'	HERITAGE LIVE OAK	
	SALIX BABYLONICA	WEEPING WILLOW	
	SOPHORA SECUNDIFLORA	TEXAS MOUNTAIN LAUREL	
	ULMUS PARVIFOLIA 'EMER II'	ALLEE ELM	
	WASHINGTONIA FILIFERA	CALIFORNIA FAN PALM	
	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	
	EXISTING TREES		
	EXISTING & RELOCATED PALM TREE		
	EXISTING PINE TREE		
	EXISTING TREE		
	EXISTING SHRUB		
	SHRUBS		
	CALLIANDRA X 'SIERRA STAR' PPAF	SIERRA STAR	
	CALLISTEMON VIMINALIS 'LITTLE JOHN'	DWARF BOTTLE BRUSH	
	ILEX VOMITORIA 'NANA'	DWARF 'YAUPON HOLLY'	
	LEUCOPHYLLUM FRUTESCENS 'GREEN CLOUD'	GREEN TEXAS RANGER	
	LEUCOPHYLLUM LANGMANIAE 'LYNN'S LEGACY'	LYNN'S LEGACY SAGE	
	NANDINA DOMESTICA 'COMPACTA'	DWARF HEAVENLY BAMBOO	
	PITTOSPORUM TOBIRA 'VARIEGATA'	VARIEGATED MOCK ORANGE	
	PYRACANTHA COCCINEA 'LOWBOY'	LOWBOY PYRACANTHA	
	RHAPHIOLEPIS INDICA 'JACK EVANS'	JACK EVANS INDIAN HAWTHORN	
	RHAPHIOLEPIS INDICA 'PINKIE DWARF'	DWARF INDIAN HAWTHORN	
	RHAMNUS CALIFORNICA 'EVE'S CASE'	COFFEEBERRY	
	RHUS OVATA	SUGAR BUSH	
	SENNA (CASSIA) NEMOPHILA	DESERT CASSIA	
	TECOMA HYBRID 'SIERRA APRICOT'	'YELLOW BELLS 'SIERRA APRICOT'	
	GROUNDCOVERS		
	ACACIA REDOLENS 'DESERT CARPET'	TRAILING ACACIA	
	DALEA GREGGII	TRAILING INDIGO BUSH — 3	
	DELOSPERMA CONGESTUM 'GOLD NUGGET'	GOLD NUGGET ICE PLANT	
	LANTANA MONTEVIDENSIS	PURPLE TRAILING LANTANA	
	LANTANA SPECIES 'NEW GOLD'	NEW GOLD LANTANA	
	LIRIOPE MUSCARI	LILY TURF	
	MYOPORUM PARVIFOLIUM	PROSTRATE MYOPORUM	
	PITTOSPORUM TOBIRA	DWARF MOCK ORANGE	
	RHYNCHOSPERMUM (TRACHELOSPERMUM) JASMINOIDES	STAR JASMINE	
	ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET'	SPREADING ROSEMARY	
	ACCENTS		
	BAILEYA MULTIRADIATA	DESERT MARIGOLD	
	CAESALPINIA GILLIESII	YELLOW BIRD OF PARADISE	
	DIETES BICOLOR	EVERGREEN IRIS	
	MUHLENBERGIA CAPILLARIS 'REGAL MIST'	REGAL MIST DEER GRASS	
	MUHLENBERGIA EMERSLEYI 'EL TORO'	EL TORO DEER GRASS	
	MUHLENBERGIA RIGIDA 'NASHVILLE'	NASHVILLE GRASS	
	NOLINA MICROCARPA	BEAR GRASS	
	PENSTEMON EATONII	FIRECRACKER PENSTEMON	
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	SALVAGE AND RELOCATE	ROSES (MESQUITE CLUB MEMORIAL GARDEN)	
	TAGETES LUCIDA	LICORICE MARIGOLD	
	AGAVE, CACTI & YUCCA		
	AGAVE GEMINIFLORA	TWIN-FLOWERED AGAVE — 2	
	AGAVE MULTIFILIFERA	CHAHUQUI — 1	
	AGAVE OVATIFOLIA	WHALE'S TONGUE AGAVE	
	CLEISTOCACTUS STRAUSII	SILVER TORCH CACTUS — 2	
	DASYLIRION QUADRANGULATUM (LONGISSIMUM)	TOOTHLESS SOTOL	
	FEROCACTUS GRUSONII	GOLDEN BARREL CACTUS — 2	
	FOUQUIERIA SPLENDENS	OCOTILLO — 2	
	HESPERALOE PARVIFLORA 'RED'	RED YUCCA	
	LEMAIREOCEREUS THURBERI	ORGANPIPE CACTUS — 1	
	OPUNTIA VIOLACEA 'SANTA-RITA'	PURPLE PRICKLY PEAR	
	YUCCA RIGIDA	BLUE YUCCA	
	EXISTING CACTI & YUCCA		
	PROTECT IN PLACE	JOSHUA TREE — 2	
	PROTECT IN PLACE	OCOTILLO	
	PROTECT IN PLACE	BARREL CACTUS — 3	
	SALVAGE AND RELOCATE	BARREL CACTUS	
	SALVAGE AND RELOCATE	HEDGEHOG CACTUS — 2	
	SALVAGE AND RELOCATE	PRICKLY PEAR — 1	
	SALVAGE AND RELOCATE	AGAVE	
	SENSORY GARDEN PLANTS		
	AGASTACHE FOENICULUM	ANISE HYSSOP — 2	
	ASPARAGUS DESIFLORUS 'MEYERSII'	FOXTAIL FERN — 1	
	BERLANDIERA LYRATA	CHOCOLATE FLOWER — 1	
	CHAMAEMELUM NOBILE	ROMAN CHAMOMILE — 2	
	CHRYSACTINIA MEXICANA	DAMIANITA — 1	
	COSMOS ATROSANGUINEUS	CHOCOLATE COSMOS — 2	
	LAVANDULA STOECHAS	SPANISH LAVENDER — 2	
	LIATRIS SPICATA 'KOBOLD'	KOBOLD GAYFEATHER — 1	
	MELISSA OFFICINALIS	LEMON BALM — 1	
	ORIGANUM DICTAMNUS	DITTANY OF CRETE — 1	
	SALVIA OFFICINALIS	COMMON SAGE — 2	
	SEMPERVIVUM SP.	HENS AND CHICKS — 1	
	THYMUS CITRIODORUS	LEMON THYME	
	VINES		
	ANTIGONON LEPTOPUS	QUEEN'S WREATH VINE	
	SENECIO CONFUSUS	MEXICAN FLAME VINE	
	MARGINAL (AQUATIC) PLANTS		
	TYPHA ANGUSTIFOLIA	NARROW-LEAVED CATTAIL	
	JUNCUS CARMENS	CARMENS JAPANESE RUSH	
	TURF		
	EXISTING		
	HYBRID BERMUDA		

C.S. Plan 11.15.11

NORTH

UNDERGROUND SPRINKLING SYSTEM REQUIRED IN ALL LANDSCAPED AREAS

Call before you OVERHEAD 1-702-227-2929 — NEVADA POWER, SOUTHWEST GAS, SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 — INTERMOUNTAIN UTILITY SERVICE ALERT (IUSA)

LAS VEGAS NV
3191 S. JONES BLVD. LAS VEGAS, NV 89146
T.702.253.3939 F.702.253.1018

CARLSBAD CA
2246 FARADAY AVE. CARLSBAD, CA 92008

JW ZUNINO
LANDSCAPE ARCHITECTURE

CONSULTANT

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE PLANTING PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT — CHRISTOPHER LINGHAM — 10/19/11 — Expires: 6/30/13 — STATE OF NEVADA

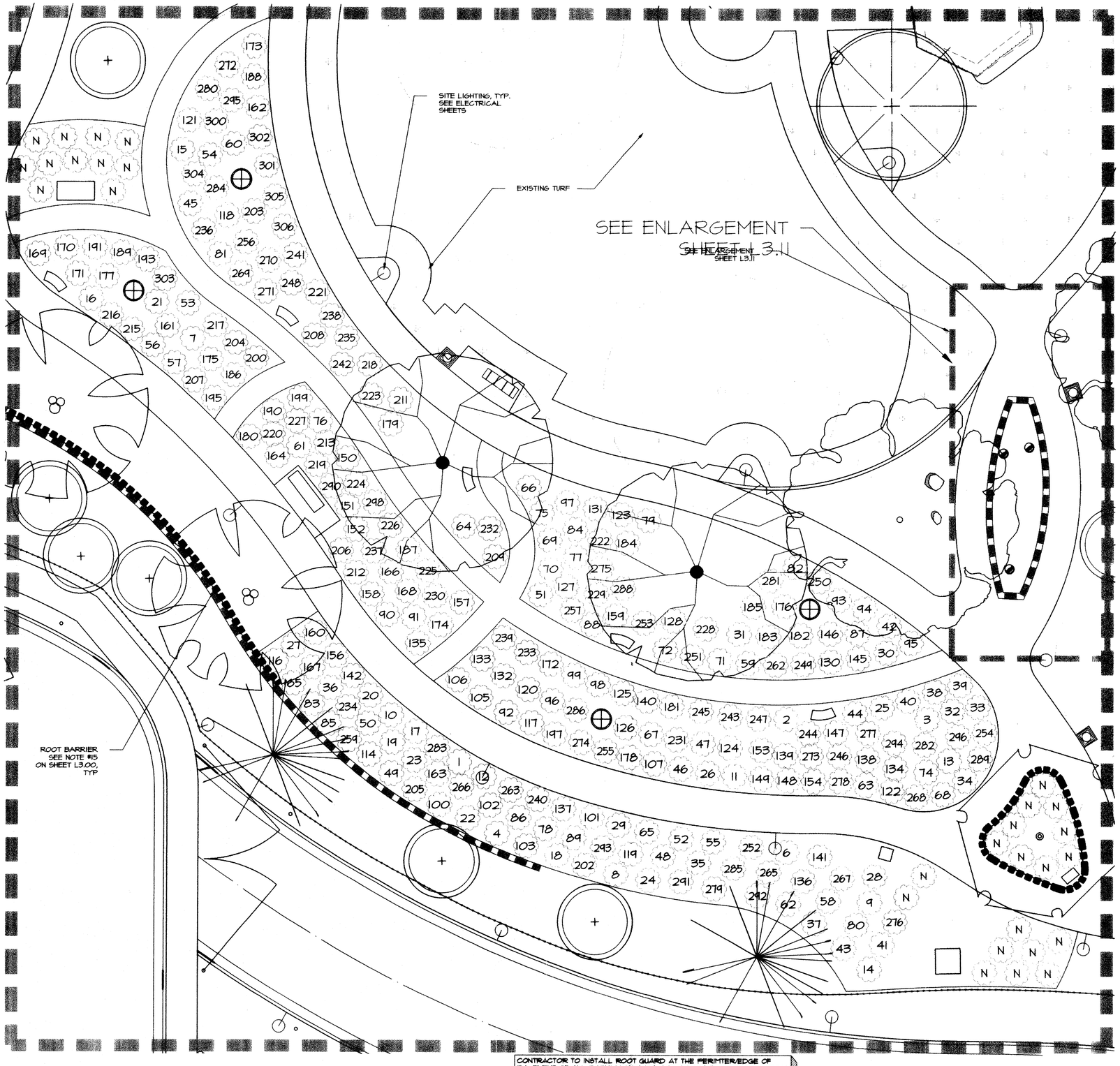
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6533
FAX: (702) 382-5232
TDD: (702) 386-9108

DRAWN	ME
FILE	136-PTDWG
DATE	8/7/2011
SCALE	SEE SHEET
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L3.11

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CONTRACTOR TO INSTALL ROOT GUARD AT THE PERIMTER/EDGE OF PAVEMENT OF ALL PARKING ISLANDS AND ANY OTHER PLANTING AREAS NOTED IN THE PLANTING PLAN. CONTRACTOR TO INSTALL ROOT GUARD PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
MODEL: UB24-2
MANUFACTURER: DEEP ROOT PARTNERS, L.P.
BURLINGAME, CA 94010
TELEPHONE: (800) 458-1668

SEE SHEET L3.00 FOR COMPLETE PLANTING NOTES AND PLANT COUNTS

SEE SHEET L1.11 FOR EXISTING ROSE LOCATIONS

BLOOM COLOR

1-SALMON
2-SALMON
3-MAGENTA
4-RED
N/A-N/A
6-UNKNOWN
7-UNKNOWN
8-MAGENTA
9-PINK
10-PINK
11-LIGHT PINK
12-PINK
13-MAGENTA
14-MAGENTA
15-LIGHT PINK
16-MAGENTA
17-BRIGHT PINK
18-UNKNOWN
19-WHITE
20-WHITE
21-WHITE
22-WHITE
23-WHITE
24-WHITE
25-MAGENTA
26-RED
27-YELLOW/RED
28-BRIGHT PINK/ ORANGE
29-MAGENTA
30-PINK/LIGHT PINK
31-PINK
32-LIGHT YELLOW
33-YELLOW
34-UNKNOWN
35-RED
36-BRIGHT PINK
37-PINK
38-CREAM
39-BRIGHT YELLOW
40-YELLOW
41-PINK
42-YELLOW
43-UNKNOWN
44-PINK
45-UNKNOWN
46-UNKNOWN
47-RED
48-RED/WHITE
49-MAGENTA
50-CREAM
51-BRIGHT PINK
52-YELLOW
53-BRIGHT PINK/ ORANGE
54-LIGHT PINK
55-MAGENTA
56-UNKNOWN
57-CREAM/PINK
58-MAGENTA
59-BRIGHT PINK
60-RED/WHITE
61-UNKNOWN
62-YELLOW
63-PINK/YELLOW
64-MAGENTA
65-SALMON
66-BRIGHT PINK
67-PINK
68-RED
69-PINK
70-PINK
71-UNKNOWN
72-PINK/YELLOW
N/A-N/A
74-UNKNOWN
75-RED/WHITE
76-RED
77-UNKNOWN
78-UNKNOWN
79-WHITE
80-UNKNOWN
81-MAGENTA
82-UNKNOWN
83-UNKNOWN
84-PINK
85-UNKNOWN
86-BRIGHT PINK
87-YELLOW
88-SALMON
89-MAGENTA/WHITE
90-UNKNOWN
91-LAVENDER
92-PINK
93-UNKNOWN
94-UNKNOWN
95-DARK PINK
96-UNKNOWN
97-UNKNOWN
98-LAVENDER
99-UNKNOWN
100-MAGENTA
101-RED
102-PINK
103-PINK
N/A-N/A
105-UNKNOWN
106-UNKNOWN
107-UNKNOWN
N/A-N/A
N/A-N/A
N/A-N/A
N/A-N/A
N/A-N/A
N/A-N/A
114-MAGENTA
N/A-N/A
116-PINK
117-MAGENTA
118-BRIGHT PINK
119-BRIGHT PINK
120-PINK
121-MAGENTA
122-RED
123-RED
124-LAVENDER
125-SALMON
126-RED
127-YELLOW
128-PINK
N/A-N/A
130-PINK
131-PINK
132-PINK
133-PINK
134-CORAL
135-LIGHT PINK/PINK
136-MAGENTA
137-MAGENTA
138-DARK PINK
139-PINK
140-UNKNOWN
141-UNKNOWN
142-MAGENTA
N/A-N/A
N/A-N/A
145-MAGENTA/WHITE
146-MAGENTA
147-LIGHT YELLOW
148-LIGHT PINK
149-CORAL/YELLOW
150-WHITE
151-UNKNOWN
152-UNKNOWN
153-RED
154-MAGENTA
N/A-N/A
156-MAGENTA
157-MAGENTA
158-WHITE
159-MAGENTA
160-MAGENTA
161-BRIGHT PINK
162-MAGENTA
163-MAGENTA
164-PINK
165-BRIGHT PINK
166-PINK
167-MAGENTA
168-PINK
169-UNKNOWN
170-BRIGHT PINK/ CREAM
171-UNKNOWN
172-PINK
173-BRIGHT PINK
174-BRIGHT PINK
175-LAVENDER
176-UNKNOWN
177-MAGENTA
178-UNKNOWN
179-MAGENTA
180-MAGENTA
181-BRIGHT PINK
182-UNKNOWN
183-MAGENTA
184-UNKNOWN
185-UNKNOWN
186-PINK
187-PINK
188-MAGENTA
189-UNKNOWN
190-MAGENTA
191-MAGENTA
N/A-N/A
193-RED
N/A-N/A
195-RED
N/A-N/A
197-UNKNOWN
N/A-N/A
198-DARK PINK
200-UNKNOWN
N/A-N/A
202-CORAL
203-SALMON
204-MAGENTA
205-CORAL
206-PINK
207-BRIGHT PINK
208-MAGENTA
209-SALMON
N/A-N/A
211-RED
212-MAGENTA
213-UNKNOWN
N/A-N/A
215-RED
216-RED
217-UNKNOWN
218-UNKNOWN
219-RED
220-RED
221-RED
222-UNKNOWN
223-UNKNOWN
224-DARK PINK
225-DARK PINK
226-UNKNOWN
227-UNKNOWN
228-UNKNOWN
229-DARK PINK
230-UNKNOWN
231-RED
232-UNKNOWN
233-RED
234-MAGENTA
235-RED
236-RED
237-MAGENTA
238-UNKNOWN
239-MAGENTA
240-PINK
241-UNKNOWN
242-UNKNOWN
243-UNKNOWN
244-LIGHT PINK
245-UNKNOWN
246-LIGHT PINK
247-UNKNOWN
248-MAGENTA
249-UNKNOWN
250-MAGENTA
251-UNKNOWN
252-UNKNOWN
253-UNKNOWN
254-MAGENTA
255-CORAL
256-CORAL
257-BRIGHT PINK
N/A-N/A
254-UNKNOWN
N/A-N/A
N/A-N/A
262-UNKNOWN
263-MAGENTA
N/A-N/A
265-MAGENTA
266-UNKNOWN
267-YELLOW/PINK
268-PINK
269-UNKNOWN
270-BRIGHT PINK/ LIGHT PINK
271-CORAL/CREAM
272-DARK PINK
273-MAGENTA
274-BRIGHT PINK
275-MAGENTA
276-LIGHT PINK
277-UNKNOWN
278-UNKNOWN
279-MAGENTA
280-PINK/YELLOW
281-DARK PINK
282-MAGENTA
283-RED
284-PINK/WHITE
285-CORAL
286-PINK
N/A-N/A
288-MAGENTA
289-MAGENTA
290-PINK
291-UNKNOWN
292-MAGENTA
293-MAGENTA
294-YELLOW
295-PINK
296-UNKNOWN
N/A-N/A
298-MAGENTA
N/A-N/A
300-YELLOW
301-UNKNOWN
302-UNKNOWN
303-UNKNOWN
304-MAGENTA
305-SALMON
306-CORAL/CREAM
N/A-N/A
N- NEW ROSE- SEE SHEET L1.11 NOTE #15.

RECORD AS-BUILT
11.15.11

SITE AMENITIES

- PRECAST CONCRETE BENCH WITHOUT BACK
- PRECAST CONCRETE BENCH WITH BACK
- PRECAST CONCRETE CAFE TABLE
- PRECAST CONCRETE PICNIC TABLE
- PRECAST CONCRETE TRASH RECEPTACLE (SEE NOTE # 13)
- BARBEQUE
- GROUP BARBEQUE
- DRINKING FOUNTAIN
- DOGI-POT
- RELOCATED STATUE, SEE SIGNAGE PLANS, SHEET L5.01
- BIKE RACK
- ADA PRECAST CONCRETE CAFE/GAME TABLE GAME BOARD AS NOTED ON PLANS

UNDERGROUND SPRINKLING SYSTEM REQUIRED IN ALL LANDSCAPED AREAS

0 8' 16' 32'
SCALE: 1/8" = 1'-0"

NORTH

Call before you OVERHEAD 1-702-227-2929 (NEVADA POWER CO. ELECTRICITY AND SAFETY SERVICES DEPARTMENT)

Call before you Dig. CALL 811 (UNDERGROUND SERVICE ALERT USA)

J W ZUNINO
LANDSCAPE ARCHITECTURE
LAS VEGAS NV
3191 S. JONES BLVD. LAS VEGAS, NV 89146
T. 702.253.9390 F. 702.253.1016
CARLSBAD CA
2248 FARADAY AVE CARLSBAD, CA 92008
jwzunino.com | NV #1181 | AZ #33314 | CA #3798 | TX #1788

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE PLANTING PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. ZUNINO
10/19/11
Expires: 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

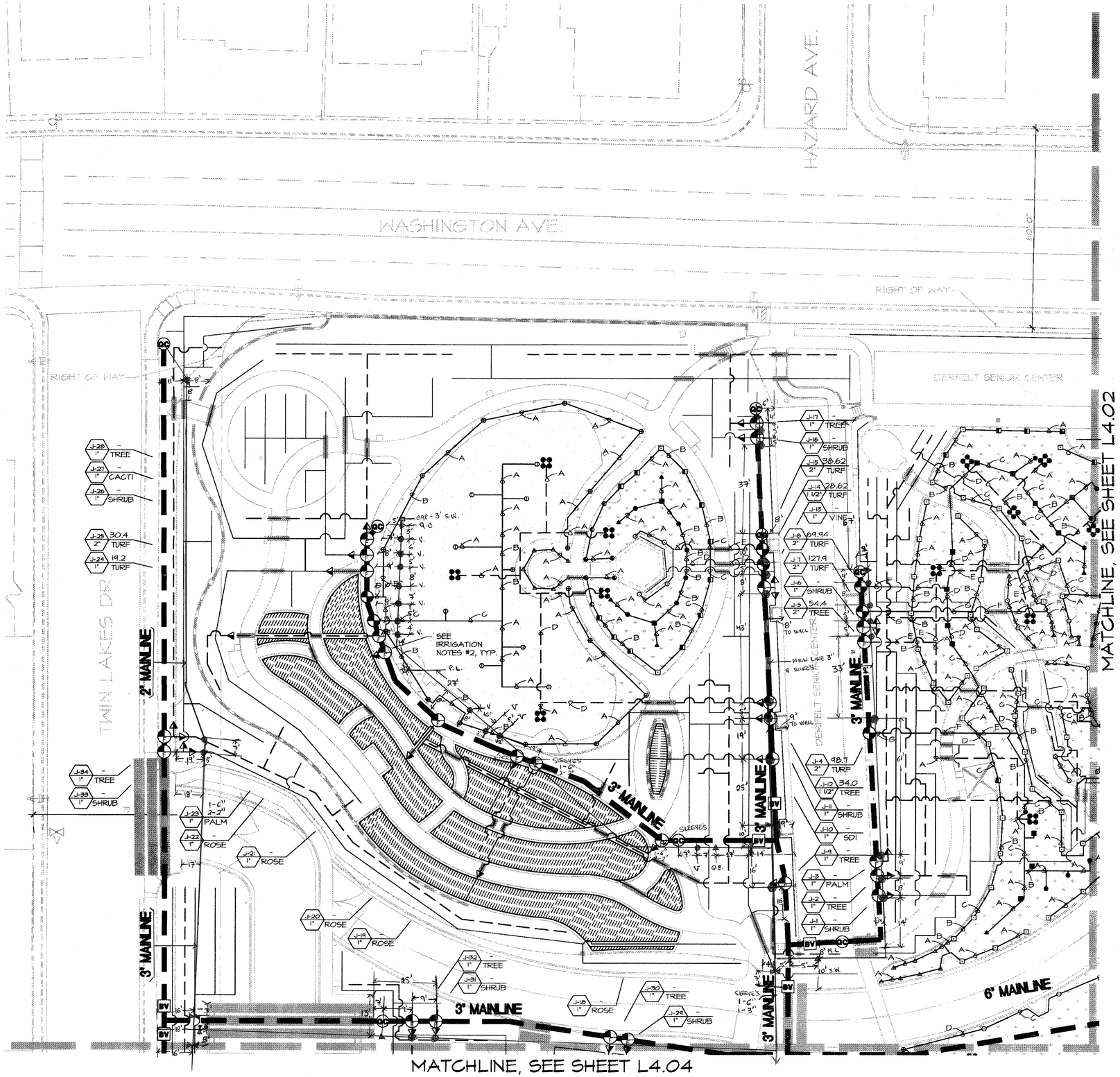
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	MB
FILE	136-PP.DWG
DATE	6/21/2011
SCALE	1/8"=1'-0"
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
MARSEN NO	33039
SHT NO	L3.12

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IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	----	----	----
B NOT SHOWN	BACKFLOW PREVENTER	FEBCO	880V BF	3"
	BOOSTER PUMPS	----	----	SEE SHEETS IL-1.12 - IL-1.16
QC	QUICK COUPLING VALVE W/KEY	RAINBIRD	44 NP	1"
	REMOTE CONTROL VALVE	RAINBIRD	PEB	SIZE AS PER PLAN
	REMOTE CONTROL VALVE W/HYE FILTER & BALL VALVE	RAINBIRD RAINBIRD	100-PESB-R RBY-100-200MX	1" 1"
	EXISTING REMOTE CONTROL VALVE (TO REMAIN)		RAINBIRD PEB SERIES	SEE NOTE #12
	EXISTING REMOTE CONTROL VALVE (FOR DEMOLITION)		RAINBIRD PEB SERIES	SEE NOTE #12
	PRESSURE REDUCING VALVE	RAINBIRD	PSI-MBOX-100	3/4"
BV	BRONZE BALL VALVE	WATTS	B-6000	SIZE AS PER LINE
GV	CAST IRON GATE VALVE	NIBCO OR MILWAUKEE	----	SIZE AS PER LINE
	IRRIGATION CONTROLLER	RAINBIRD	ESP-40-SAT-S	40 STATIONS
	EXISTING IRRIGATION CONTROLLERS (TO REMAIN)		RAINBIRD - ESP-SERIES	SEE NOTE #12
F	FLOW SENSOR W/ SERVICE SADDLE	DATA INDUSTRIAL SMITH-BLAIR	IR-220B MODEL 315	(3/32" ORIFICE SIZE) W/ 2" NPT TAP
AV	AIR VACUUM	CRISPIN	IC10	(3/32" ORIFICE SIZE)
CCU	EXISTING CLUSTER CONTROL UNIT (TO REMAIN)		RAINBIRD - CCU-28-SS	28 CHANNELS, SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (FOR DEMOLITION)		----	SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (TO REMAIN)		----	SEE NOTE #12
	PVC MAINLINE	2" & LARGER	CLASS 315 RECLAIMED PURPLE	SIZE AS PER PLAN
2025 2030	PVC MAINLINE (EXISTING)	----	CLASS 315	SEE NOTE #12 & 13
	EXISTING PVC MAINLINE (FOR DEMOLITION)		CLASS 315	SEE NOTE #12 & 13
	PVC LATERAL LINE	----	CLASS 200	SIZE AS PER PLAN
	PVC LATERAL LINE (SHRUB)	----	CLASS 200	SIZE AS PER PLAN
	PVC LATERAL LINE (TREE)	----	CLASS 200	SIZE AS PER PLAN
	EXISTING PVC LATERAL LINE (TO REMAIN)		CLASS 200	SEE NOTE #12 & 13
	EXISTING PVC LATERAL LINE (FOR DEMOLITION)		CLASS 200	SEE NOTE #12 & 13
NOT SHOWN	FLEXIBLE TUBING	EXCALIBUR	----	1/2" IPS
NOT SHOWN	EMITTER	ASRIFIM	UFG10/UFC20	SEE EMITTER SCHEDULE
	SUB-SURFACE DRIP IRRIGATION (SDI)	RAINBIRD	XF-SDI	XFS-P-04-12
	SLEEVE UNDER PAVED AREAS	----	SCHEDULE 40	SEE NOTE #5
	CONDUIT (COMMUNICATION WIRE)	ANIXTER	1-03P18BPD	SEE NOTE #12
	CONDUIT (PUMP START SWITCH)	----	----	1-1/4"
	CONDUIT (EXISTING)	----	----	1-1/4"
	BUBBLERS (4 PER TREE)	RAINBIRD	1800A-F	SEE DETAILS 'C', SHEET L2.03

12 GPM SIZE TYPE — IRRIGATION CONTROLLER — FLOW IN GPM — PLANT MATERIAL — VALVE SIZE

12 GPM SIZE TYPE — IRRIGATION CONTROLLER (EXISTING OR DEMOLITION) — FLOW IN GPM — PLANT MATERIAL — VALVE SIZE

IRRIGATION HEAD LEGEND

SYMBOL	DESCRIPTION	MANUFACT.	MODEL	NOZZLE	RADIUS	G.P.M.	P.S.I.	PATTERN
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15F-NP	15F	15'	3.70	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15H-NP	15H	15'	1.85	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15Q-NP	15Q	15'	0.92	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15A-NP	360 ARC	15'	3.70	30	ADJ. ARC
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12F-NP	12F	12'	2.60	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12H-NP	12H	12'	1.30	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12Q-NP	12Q	12'	0.65	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12A-NP	360 ARC	12'	2.60	30	ADJ. ARC
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10F-NP	10F	10'	1.56	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10H-NP	10H	10'	0.78	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10Q-NP	10Q	10'	0.39	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10A-NP	360 ARC	10'	1.56	30	ADJ. ARC

SYMBOL	DESCRIPTION	MANUFACT.	MODEL	NOZZLE	RADIUS	G.P.M.	P.S.I.	PATTERN
	ROTOR SPRAY HEAD	RAINBIRD	5505-SS-NP	26S	29'	2.4	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	5505-SS-NP	2	31'	1.9	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	5505-SS-NP	4	45'	3.6	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	7005-SS-NP	8	44'	8.4	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	7005-SS-NP	10	53'	10.1	60	ADJ. ARC

LATERAL LINES IN TURF AREAS TO BE SIZED ACCORDING TO THE CHART BELOW:

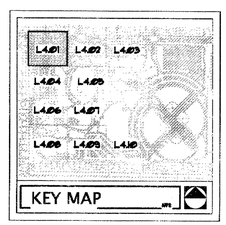
SYMBOL	LINE SIZE
A	3/4"
B	1"
C	1 1/4"
D	1 1/2"
E	2"
F	2 1/2"
G	3"

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
48" BOX	18	9	(UFC20)	AGRIFIM
36" BOX	18	9	(UFC20)	AGRIFIM
24" BOX	18	9	(UFC20)	AGRIFIM
15 GAL	18	9	(UFC20)	AGRIFIM
5 GAL	2	2	(UFG10)	AGRIFIM
1 GAL	1	1	(UFG10)	AGRIFIM
PALMS	VAR.	8	4' LENGTH	RAINBIRD
EXISTING TREES	VAR.	VAR.	XFS-P-04-12	RAINBIRD

*** FOR COMPLETE IRRIGATION NOTES AND LEGENDS, SEE SHEET L4.00 ***

NOTE: SYMBOL
- ⋈ - GATE VALVE
- ⬡ - VALVE
- ▷ - QUICK COUPLING.
- □ - SPLICE WIRE'S BOX.



0 20' 40' 80'

SCALE: 1" = 20'-0"

RECORD AS-BUILT
6/22/13

REVISIONS

CONSULTANT

LAS VEGAS NV
319 S. JONES BLVD. LAS VEGAS, NV 89146
P: (702) 258-8283 F: (702) 253-1210

CARLSBAD CA
2246 FARADAY AVE. CARLSBAD, CA 92008

JWZ UNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE IRRIGATION PLAN

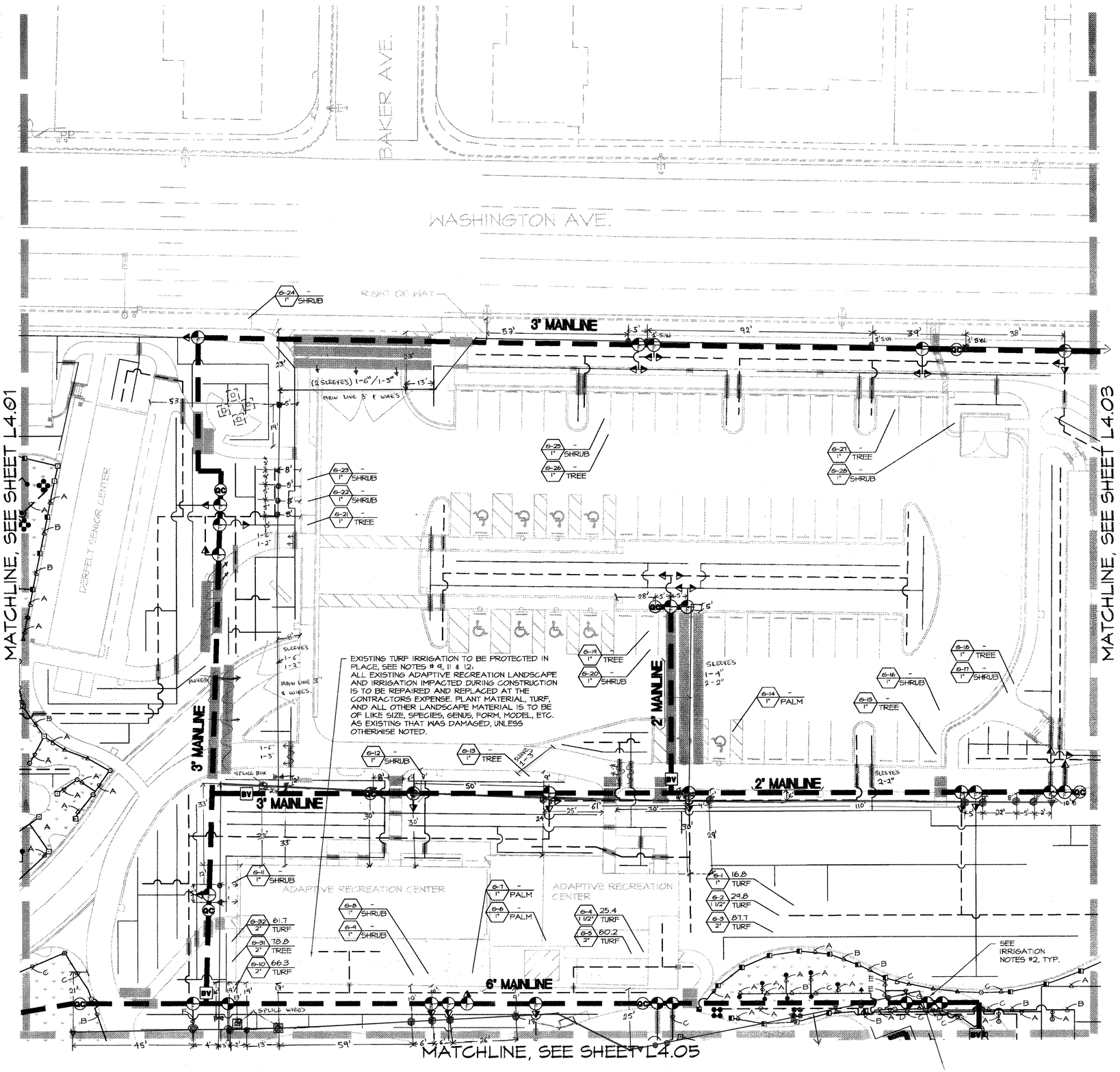
STAMP
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
733
6/27/13
Expires 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-IR
DATE	6/27/2011
SCALE	1"=20'-0"
BID NO	10153L04
CLV DWG NO	65019-41-2
HANSEN NO	33039
SHT NO	L4.01

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IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	----		-----
B	BACKFLOW PREVENTER	FEBCO	880V BF	3"
NOT SHOWN	BOOSTER PUMPS	----	----	SEE SHEETS IL-1.12 - IL-1.16
QC	QUICK COUPLING VALVE W/KEY	RAINBIRD	44 NP	1"
	REMOTE CONTROL VALVE	RAINBIRD	PEB	SIZE AS PER PLAN
	REMOTE CONTROL VALVE W/WYE FILTER & BALL VALVE	RAINBIRD RAINBIRD	100-PESB-R RBY-100-200MX	1" 1"
	EXISTING REMOTE CONTROL VALVE (TO REMAIN)		RAINBIRD PEB SERIES	SEE NOTE #12
X	EXISTING REMOTE CONTROL VALVE (FOR DEMOLITION)		RAINBIRD PEB SERIES	SEE NOTE #12
	PRESSURE REDUCING VALVE	RAINBIRD	PSI-MBOX-100	3/4"
BV	BRONZE BALL VALVE	WATTS	B-6000	SIZE AS PER LINE
GV	CAST IRON GATE VALVE	NIBCO OR MILWAUKEE	----	SIZE AS PER LINE
A,B,C,D,E,F	IRRIGATION CONTROLLER	RAINBIRD	ESP-4O-SAT-S	4O STATIONS
	EXISTING IRRIGATION CONTROLLERS (TO REMAIN)		RAINBIRD - ESP-SERIES	SEE NOTE #12
FS	FLOW SENSOR W/ SERVICE SADDLE	DATA INDUSTRIAL SMITH-BLAIR	IR-2208 MODEL 315	(3/32" ORIFICE SIZE) W/ 2" NPT TAP
AV	AIR VACUUM	CRISPIN	1CI0	(3/32" ORIFICE SIZE)
CC1	EXISTING CLUSTER CONTROL UNIT (TO REMAIN)		RAINBIRD - CCU-2B-SS	2B CHANNELS, SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (FOR DEMOLITION)		----	SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (TO REMAIN)		----	SEE NOTE #12
	PVC MAINLINE	2" & LARGER	CLASS 315 RECLAIMED PURPLE	SIZE AS PER PLAN
	PVC MAINLINE (EXISTING)	-----	CLASS 315	SEE NOTE #12 & 13
	EXISTING PVC MAINLINE (FOR DEMOLITION)		CLASS 315	SEE NOTE #12 & 13
	PVC LATERAL LINE	----	CLASS 200	SIZE AS PER PLAN
	PVC LATERAL LINE (SHRUB)	----	CLASS 200	SIZE AS PER PLAN
	PVC LATERAL LINE (TREE)	-----	CLASS 200	SIZE AS PER PLAN
	EXISTING PVC LATERAL LINE (TO REMAIN)		CLASS 200	SEE NOTE #12 & 13
	EXISTING PVC LATERAL LINE (FOR DEMOLITION)		CLASS 200	SEE NOTE #12 & 13
NOT SHOWN	FLEXIBLE TUBING	EXCALIBUR	----	1/2" IPS
NOT SHOWN	EMITTER	AGRIFIM	UFG10/UFC20	SEE EMITTER SCHEDULE
	SUB-SURFACE DRIP IRRIGATION (SDI)	RAINBIRD	XF-501	XFS-P-O9-12
	SLEEVE UNDER PAVED AREAS		SCHEDULE 40	SEE NOTE #5
	CONDUIT (COMMUNICATION WIRE)	ANIXTER	F-O3P18BPD	SEE NOTE #12
	CONDUIT (PUMP START SWITCH)	----	----	1-1/4"
	CONDUIT (EXISTING)	----	----	1-1/4"
	BUBBLERS (4 PER TREE)	RAINBIRD	1300A-F	SEE DETAILS 'C', SHEET L0.03

IRRIGATION CONTROLLER
GPM — FLOW IN GPM
TYPE — PLANT MATERIAL
VALVE SIZE

IRRIGATION CONTROLLER (EXISTING OR DEMOLITION)
GPM — FLOW IN GPM
TYPE — PLANT MATERIAL
VALVE SIZE

IRRIGATION HEAD LEGEND

SYMBOL	DESCRIPTION	MANUFACT.	MODEL	NOZZLE	RADIUS	G.P.M.	P.S.I.	PATTERN
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15F-NP	15F	15'	3.70	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15H-NP	15H	15'	1.85	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15Q-NP	15Q	15'	0.92	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15A-NP	360 ARC	15'	3.70	30	ADJ. ARC
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12F-NP	12F	12'	2.60	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12H-NP	12H	12'	1.30	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12Q-NP	12Q	12'	0.65	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12A-NP	360 ARC	12'	2.60	30	ADJ. ARC
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10F-NP	10F	10'	1.58	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10H-NP	10H	10'	0.79	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10Q-NP	10Q	10'	0.39	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10A-NP	360 ARC	10'	1.58	30	ADJ. ARC

SYMBOL	DESCRIPTION	MANUFACT.	MODEL	NOZZLE	RADIUS	G.P.M.	P.S.I.	PATTERN
	ROTOR SPRAY HEAD	RAINBIRD	5505-SS-NP	26S	29'	2.4	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	5505-SS-NP	2	31'	1.9	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	5505-SS-NP	4	45'	3.6	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	7005-SS-NP	8	44'	8.4	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	7005-SS-NP	10	53'	10.1	60	ADJ. ARC

LATERAL LINES IN TURF AREAS TO BE SIZED ACCORDING TO THE CHART BELOW:

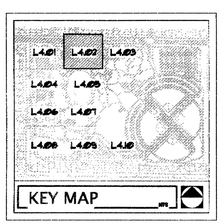
SYMBOL	LINE SIZE
A	3/4"
B	1"
C	1 1/4"
D	1 1/2"
E	2"
F	2 1/2"
G	3"

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
48" BOX	18	9	(UFC20)	AGRIFIM
36" BOX	18	9	(UFC20)	AGRIFIM
24" BOX	18	9	(UFC20)	AGRIFIM
15 GAL	18	9	(UFC20)	AGRIFIM
5 GAL	2	2	(UFC10)	AGRIFIM
1 GAL	1	1	(UFC10)	AGRIFIM
PALMS	8	4' LENGTH	XFS-P-O9-12	RAINBIRD
EXISTING TREES	VAR.	VAR.	XFS-P-O9-12	RAINBIRD

*** FOR COMPLETE IRRIGATION NOTES AND LEGENDS, SEE SHEET L4.00 ***

NOTE; SYMBOL.
- ⋈ — GATE VALVE.
- △ — QUICK COUPLING.
- ⬡ — VALVE.
- ▭ — SPLICE BOX



0 20' 40' 80'
SCALE: 1" = 20'-0"

UNDERGROUND SPRINKLING SYSTEM REQUIRED IN ALL LANDSCAPED AREAS.

RECORD AS-BUILT

REVISIONS

CONSULTANT

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CARLSBAD, CA
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JWZunino.com | LAS VEGAS | PHOENIX | DENVER
NV #1161 | AZ #2234 | CA #1738 | TX #138

JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE IRRIGATION PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHORST
733
Expires: 6/30/12
STATE OF NEVADA

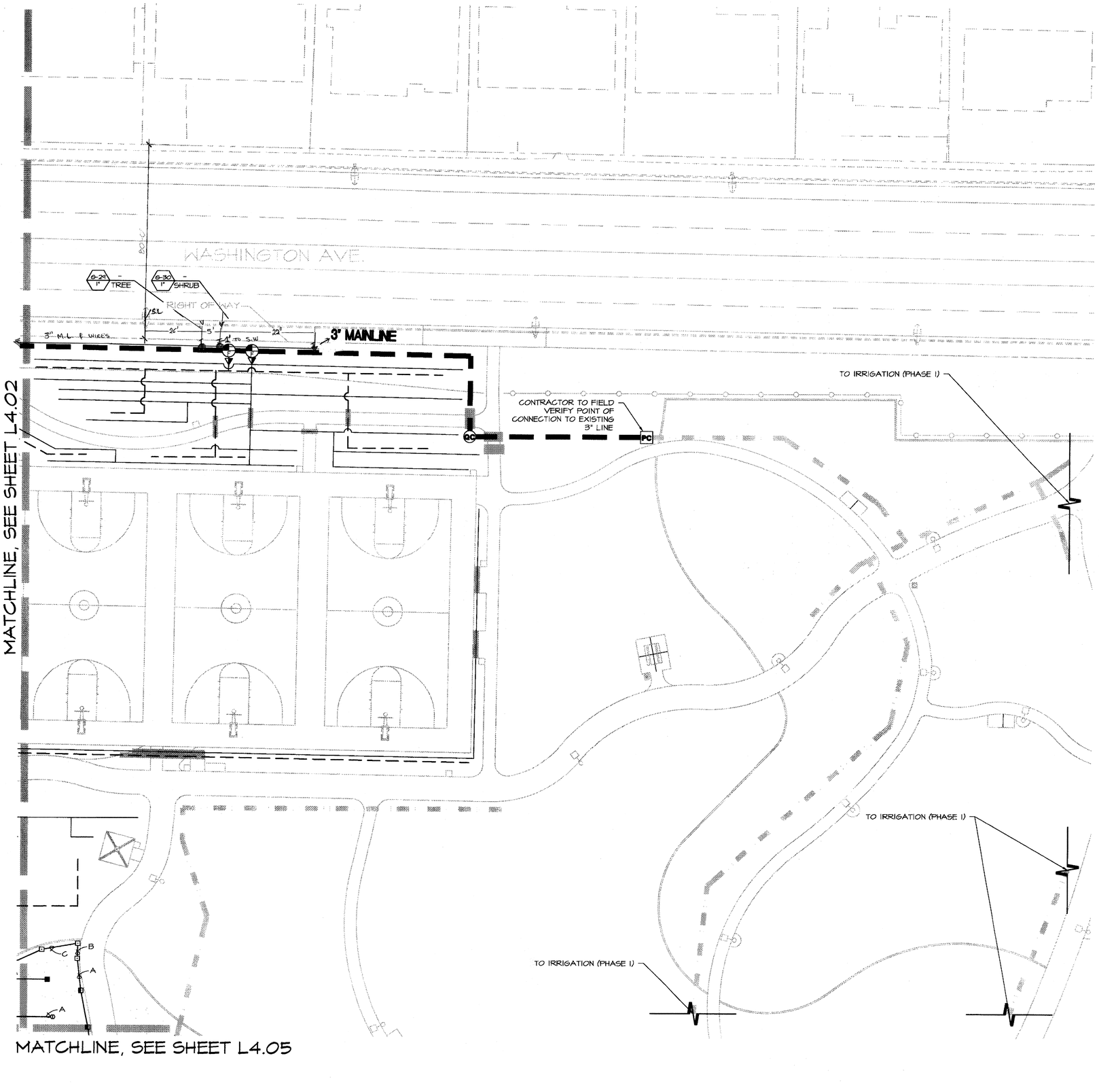
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-8535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CED
FILE	136-IR
DATE	6/21/2011
SCALE	1"=20'-0"
BID NO	10153.41.04
C.V. DWG NO	650.19-41-2
HANSEN NO	33039
SHT NO	L4.02

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IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	----	----	----
B / NOT SHOWN	BACKFLOW PREVENTER	FEBCO	880V BF	3"
	BOOSTER PUMPS	----	----	SEE SHEETS IL-1.12 - IL-1.16
QC	QUICK COUPLING VALVE W/KEY	RAINBIRD	44 NP	1"
	REMOTE CONTROL VALVE	RAINBIRD	PEB	SIZE AS PER PLAN
	REMOTE CONTROL VALVE W/AYE FILTER & BALL VALVE	RAINBIRD RAINBIRD	100-PESB-R RBY-100-200MX	1" 1"
	EXISTING REMOTE CONTROL VALVE (TO REMAIN)		RAINBIRD PEB SERIES	SEE NOTE #12
	EXISTING REMOTE CONTROL VALVE (FOR DEMOLITION)		RAINBIRD PEB SERIES	SEE NOTE #12
	PRESSURE REDUCING VALVE	RAINBIRD	PSI-M3OX-100	3/4"
BV	BRONZE BALL VALVE	WATTS	B-6000	SIZE AS PER LINE
GV	CAST IRON GATE VALVE	NIBCO OR MILWAUKEE	----	SIZE AS PER LINE
A B C D E	IRRIGATION CONTROLLER	RAINBIRD	ESP-4O-SAT-S	4O STATIONS
	EXISTING IRRIGATION CONTROLLERS (TO REMAIN)		RAINBIRD - ESP-SERIES	SEE NOTE #12
F	FLOW SENSOR W/ SERVICE SADDLE	DATA INDUSTRIAL SMITH-BLAIR	IR-220B MODEL 315	(3/32" ORIFICE SIZE) W 2" NPT TAP
AV	AIR VACUUM	CRISPIN	IC10	(3/32" ORIFICE SIZE)
CCU	EXISTING CLUSTER CONTROL UNIT (TO REMAIN)		RAINBIRD - CCU-2B-SS	2B CHANNELS, SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (FOR DEMOLITION)		----	SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (TO REMAIN)		----	SEE NOTE #12
	PVC MAINLINE	2" & LARGER	CLASS 315 RECLAIMED PURPLE	SIZE AS PER PLAN
	PVC MAINLINE (EXISTING)	----	CLASS 315	SEE NOTE #12 & 13
	EXISTING PVC MAINLINE (FOR DEMOLITION)		CLASS 315	SEE NOTE #12 & 13
	PVC LATERAL LINE	----	CLASS 200	SIZE AS PER PLAN
	PVC LATERAL LINE (SHRUB)	----	CLASS 200	SIZE AS PER PLAN
	PVC LATERAL LINE (TREE)	----	CLASS 200	SIZE AS PER PLAN
	EXISTING PVC LATERAL LINE (TO REMAIN)		CLASS 200	SEE NOTE #12 & 13
	EXISTING PVC LATERAL LINE (FOR DEMOLITION)		CLASS 200	SEE NOTE #12 & 13
NOT SHOWN	FLEXIBLE TUBING	EXCALIBUR	----	1/2" IPS
NOT SHOWN	EMITTER	AGRIFIM	UFC10/UFC20	SEE EMITTER SCHEDULE
	SUB-SURFACE DRIP IRRIGATION (SDI)	RAINBIRD	XF-SDI	XFS-P-O4-12
	SLEEVE UNDER PAVED AREAS	----	SCHEDULE 40	SEE NOTE #5
	CONDUIT (COMMUNICATION WIRE)	ANIXTER	F-03PWBPD	SEE NOTE #12
	CONDUIT (PUMP START SWITCH)	----	----	1-1/4"
	CONDUIT (EXISTING)	----	----	1-1/4"
	BUBBLERS (4 PER TREE)	RAINBIRD	1300A-F	SEE DETAILS 'C', SHEET L0.03

12 SIZE — 6PM — FLOW IN GPM — TYPE — PLANT MATERIAL — VALVE SIZE — IRRIGATION CONTROLLER

12 SIZE — 6PM — FLOW IN GPM — TYPE — PLANT MATERIAL — VALVE SIZE — IRRIGATION CONTROLLER (EXISTING OR DEMOLITION)

IRRIGATION HEAD LEGEND

SYMBOL	DESCRIPTION	MANUFACT.	MODEL	NOZZLE	RADIUS	G.P.M.	P.S.I.	PATTERN
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15F-NP	15F	15'	3.70	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15H-NP	15H	15'	1.85	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15Q-NP	15Q	15'	0.92	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15A-NP	360 ARC	15'	3.70	30	ADJ. ARC
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12F-NP	12F	12'	2.60	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12H-NP	12H	12'	1.30	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12Q-NP	12Q	12'	0.65	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12A-NP	360 ARC	12'	2.60	30	ADJ. ARC
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10F-NP	10F	10'	1.56	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10H-NP	10H	10'	0.79	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10Q-NP	10Q	10'	0.39	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10A-NP	360 ARC	10'	1.56	30	ADJ. ARC

SYMBOL	DESCRIPTION	MANUFACT.	MODEL	NOZZLE	RADIUS	G.P.M.	P.S.I.	PATTERN
	ROTOR SPRAY HEAD	RAINBIRD	5505-55-NP	265	29'	2.4	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	5505-55-NP	2	31'	1.9	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	5505-55-NP	4	45'	3.6	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	7005-55-NP	8	44'	8.4	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	7005-55-NP	10	53'	10.1	60	ADJ. ARC

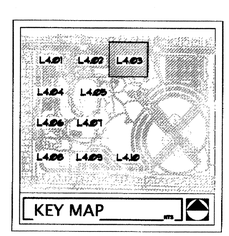
LATERAL LINES IN TURF AREAS TO BE SIZED ACCORDING TO THE CHART BELOW:

SYMBOL	LINE SIZE
A	3/4"
B	1"
C	1 1/4"
D	1 1/2"
E	2"
F	2 1/2"
G	3"

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
48" BOX	18	9	(UFC20)	AGRIFIM
36" BOX	18	9	(UFC20)	AGRIFIM
24" BOX	18	9	(UFC20)	AGRIFIM
15 GAL	18	9	(UFC20)	AGRIFIM
5 GAL	2	2	(UFC10)	AGRIFIM
1 GAL	1	1	(UFC10)	AGRIFIM
PALMS	8	9' LENGTH	XFS-P-O4-12	RAINBIRD
EXISTING TREES	VAR.	VAR.	XFS-P-O4-12	RAINBIRD

*** FOR COMPLETE IRRIGATION NOTES AND LEGENDS, SEE SHEET L4.00 ***



0 20' 40' 80'

SCALE: 1" = 20'-0"

UNDERGROUND SPRINKLING SYSTEM REQUIRED IN ALL LANDSCAPED AREAS

9.19.4

6.27.13

RECORD AS-BUILT

REVISIONS

CONSULTANT

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3191 S. JONES BLVD. | LAS VEGAS, NV 89146
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C A R L S B A D C A
2292 FARADAY AVE | CARLSBAD, CA 92008

jwzuninc.com | 760.931.1400 | 760.931.1401

NV #1561 LT #2334 | NV #2921 | AZ #2334 | CA #2739 | TX #1336

J W Z U N I N O
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE IRRIGATION PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANGHAM 733 Expires: 10/31/12 STATE OF NEVADA

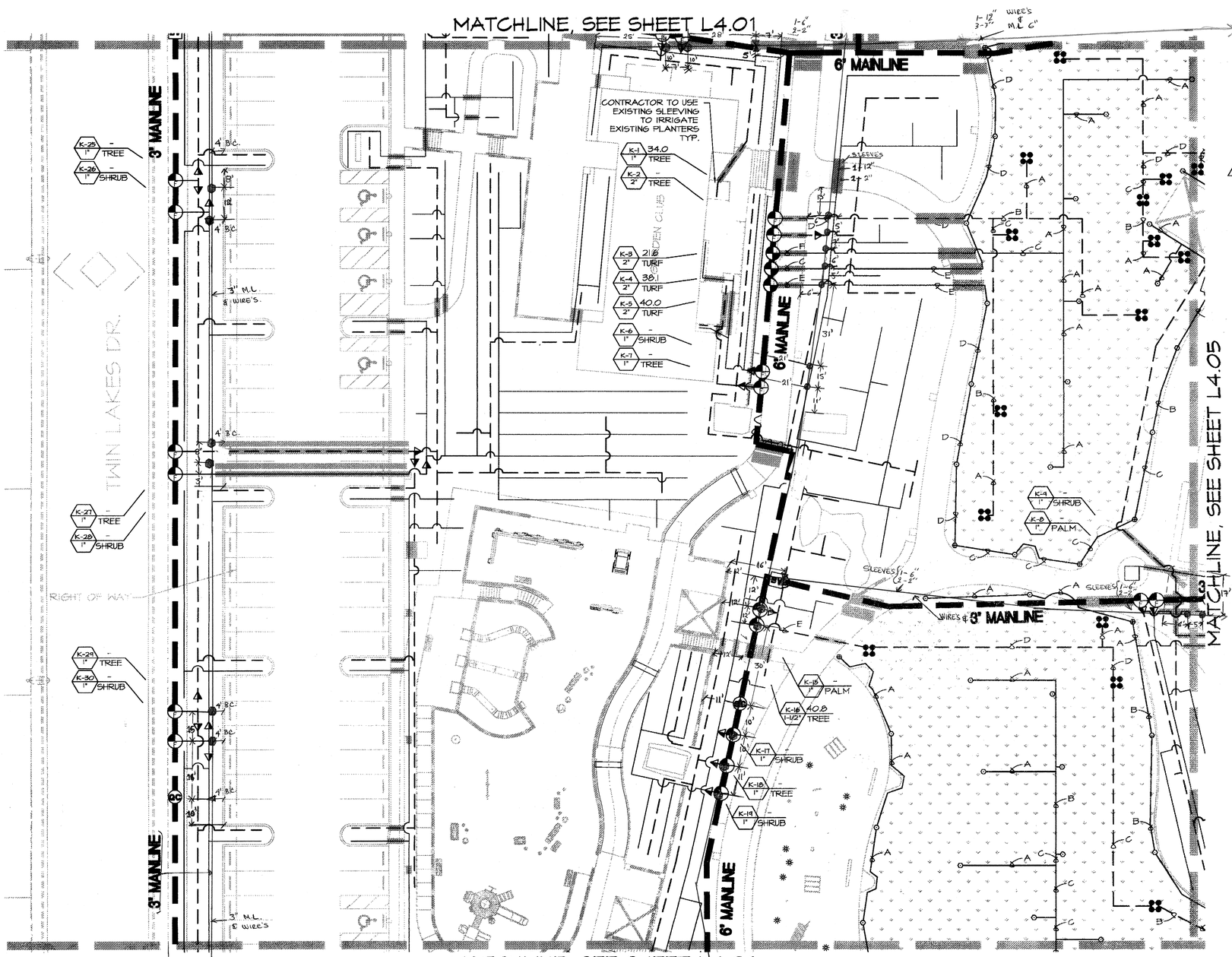
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-IR
DATE	6/27/2011
SCALE	1"=20'-0"
JJD NO	10.153&104
C.V. DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L4.03

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IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
POC	POINT OF CONNECTION	----		-----
B NOT SHOWN	BACKFLOW PREVENTER /BOOSTER PUMPS	FEBCO	880V BF	3"
		-----	----	SEE SHEETS IL-1.12 - IL-1.16
QC	QUICK COUPLING VALVE W/KEY	RAINBIRD	44 NP	1"
	REMOTE CONTROL VALVE	RAINBIRD	PEB	SIZE AS PER PLAN
	REMOTE CONTROL VALVE W/NITE FILTER & BALL VALVE	RAINBIRD RAINBIRD	100-PESB-R RBY-100-200MX	1" 1"
	EXISTING REMOTE CONTROL VALVE (TO REMAIN)	RAINBIRD PEB SERIES		SEE NOTE #12
	EXISTING REMOTE CONTROL VALVE (FOR DEMOLITION)	RAINBIRD PEB SERIES		SEE NOTE #12
	PRESSURE REDUCING VALVE	RAINBIRD	PSI-H30X-100	3/4"
BV	BRONZE BALL VALVE	WATTS	B-6000	SIZE AS PER LINE
GV	CAST IRON GATE VALVE	NIBCO OR MILWAUKEE	-----	SIZE AS PER LINE
C	IRRIGATION CONTROLLER	RAINBIRD	ESP-40-SAT-S	40 STATIONS
	EXISTING IRRIGATION CONTROLLERS (TO REMAIN)	RAINBIRD - ESP-SERIES		SEE NOTE #12
F	FLOW SENSOR W/ SERVICE SADDLE	DATA INDUSTRIAL SMITH-BLAIR	IR-2208 MODEL 315	(13/32" ORIFICE SIZE) W/ 2" NPT TAP
AV	AIR VACUUM	CRISPIN	1010	(13/32" ORIFICE SIZE)
CCU	EXISTING CLUSTER CONTROL UNIT (TO REMAIN)	RAINBIRD - CCU-28-SS		28 CHANNELS, SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (FOR DEMOLITION)		-----	SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (TO REMAIN)		-----	SEE NOTE #12
	PVC MAINLINE	2" & LARGER	CLASS 315 RECLAIMED PURPLE	SIZE AS PER PLAN
	PVC MAINLINE (EXISTING)	-----	CLASS 315	SEE NOTE #12 & 13
	EXISTING PVC MAINLINE (FOR DEMOLITION)		CLASS 315	SEE NOTE #12 & 13
	PVC LATERAL LINE	-----	CLASS 200	SIZE AS PER PLAN
	PVC LATERAL LINE (SHRUB)	-----	CLASS 200	SIZE AS PER PLAN
	PVC LATERAL LINE (TREE)		CLASS 200	SIZE AS PER PLAN
	EXISTING PVC LATERAL LINE (TO REMAIN)		CLASS 200	SEE NOTE #12 & 13
	EXISTING PVC LATERAL LINE (FOR DEMOLITION)		CLASS 200	SEE NOTE #12 & 13
NOT SHOWN	FLEXIBLE TUBING	EXCALIBUR	-----	1/2" IPS
NOT SHOWN	EMITTER	AGRIFIM	UFCIO/UFC20	SEE EMITTER SCHEDULE
	SUB-SURFACE DRIP IRRIGATION (SDI)	RAINBIRD	XF-501	XFS-P-04-12
	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5
	CONDUIT (COMMUNICATION WIRE)	ANIXTER	F-03P14BPD	SEE NOTE #12
	CONDUIT (PUMP START SWITCH)	-----	-----	1-1/4"
	CONDUIT (EXISTING)	-----	-----	1-1/4"
	SUBBLERS (4 PER TREE)	RAINBIRD	1300A-F	SEE DETAILS 'C', SHEET LD.03

IRRIGATION CONTROLLER
6PM — FLOW IN GPM
TYPE — PLANT MATERIAL
VALVE SIZE

IRRIGATION CONTROLLER (EXISTING OR DEMOLITION)
6PM — FLOW IN GPM
TYPE — PLANT MATERIAL
VALVE SIZE

IRRIGATION HEAD LEGEND

SYMBOL	DESCRIPTION	MANUFACT.	MODEL	NOZZLE	RADIUS	G.P.M.	P.S.I.	PATTERN
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15F-NP	15F	15'	3.70	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15H-NP	15H	15'	1.85	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15Q-NP	15Q	15'	0.92	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15A-NP	360 ARC	15'	3.70	30	ADJ. ARC
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12F-NP	12F	12'	2.60	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12H-NP	12H	12'	1.30	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12Q-NP	12Q	12'	0.65	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12A-NP	360 ARC	12'	2.60	30	ADJ. ARC
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10F-NP	10F	10'	1.58	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10H-NP	10H	10'	0.79	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10Q-NP	10Q	10'	0.39	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10A-NP	360 ARC	10'	1.58	30	ADJ. ARC

SYMBOL	DESCRIPTION	MANUFACT.	MODEL	NOZZLE	RADIUS	G.P.M.	P.S.I.	PATTERN
	ROTOR SPRAY HEAD	RAINBIRD	5505-55-NP	26S	24'	2.4	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	5505-55-NP	2	37'	1.9	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	5505-55-NP	4	45'	3.6	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	7005-55-NP	8	44'	8.4	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	7005-55-NP	10	53'	10.1	60	ADJ. ARC

LATERAL LINES IN TURF AREAS TO BE SIZED ACCORDING TO THE CHART BELOW:

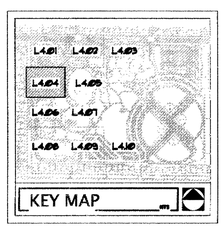
SYMBOL	LINE SIZE
A	3/4"
B	1"
C	1 1/4"
D	1 1/2"
E	2"
F	2 1/2"
G	3"

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
48" BOX	18	9	(UFC20)	AGRIFIM
36" BOX	18	9	(UFC20)	AGRIFIM
24" BOX	18	9	(UFC20)	AGRIFIM
15 GAL	18	9	(UFC20)	AGRIFIM
5 GAL	2	2	(UFC10)	AGRIFIM
1 GAL	1	1	(UFC10)	AGRIFIM
PALMS		8	XFS-P-09-12	RAINBIRD
EXISTING TREES	VAR.	VAR.	XFS-P-09-12	RAINBIRD

*** FOR COMPLETE IRRIGATION NOTES AND LEGENDS, SEE SHEET L4.00 ***

NOTE; SYMBOL
- GATE VALVE
- VALVE
- QUICK COUPLING
- SPLICE WIRE'S.



SCALE: 1" = 20'-0"

UNDERGROUND SPRINKLING SYSTEM REQUIRED IN ALL LANDSCAPED AREAS

RECORD AS-BUILT

REVISIONS

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LAS VEGAS, NV
3191 E. CHUCK'S ISLAND | LAS VEGAS, NV 89146
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2246 FARADAY AVE. | CARLSBAD, CA 92008
jwzuninc.com | JOB # 1306 | DRAWING # L.0404.01 | SHEET # 1 OF 1 SHEETS
NV # 1001017 #2012 | NM # 2021 | AZ # 21134 | CA # 2218 | TX # 11795
J W ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE IRRIGATION PLAN

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STAMP
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER L. LINDMAN
733
6-27-11
Expires: 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-IR
DATE	6/27/2011
SCALE	1"=20'-0"
BID NO	10.153.104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L4.04

Lorenzi Park-02.19.dgn
PRINTED ON RECYCLED PAPER

MATCHLINE, SEE SHEET L4.02

MATCHLINE, SEE SHEET L4.04

MATCHLINE, SEE SHEET L4.07

SEE UTILITY PLAN, SHEET C5.05 FOR CONNECTION

SEE LAKE AND WATER FEATURE PLANS, SHEET IL-1.3 FOR CONNECTIONS

SEE IRRIGATION NOTES #2, TYP.

RUN CONDUIT & PHONE LINE FOR NEW IRRIGATION CONTROLLERS TO EXISTING CCU

TO IRRIGATION (PHASE 1)

EXTEND EXISTING 1-1/4" CONDUIT FOR PUMP START SWITCH

EXISTING 1-1/4" CONDUIT FOR PUMP START SWITCH

CONTRACTOR TO FIELD VERIFY POINT OF CONNECTION TO 8" EXISTING MAINLINE

IT IS ACCEPTABLE TO INSTALL THE 4 VALVES IN THIS AREA IN THE EXISTING TURF

TO IRRIGATION (PHASE 1)

ADJUST EXISTING TURF SPRAY HEAD LAYOUT TO PROVIDE HEAD TO HEAD COVERAGE AT NEW CONCRETE PADS, TYP. SEE IRRIGATION NOTES #9

SEE IRRIGATION LAKE AND WATER FEATURE PLANS, SHEET IL-1.3 FOR CONNECTIONS

SEE IRRIGATION NOTES # 9, 11 & 12:
VERIFY EXISTING CONDITIONS BEFORE PROCEEDING WITH WORK IN THIS AREA.
THIS PLAN INDICATES THE AVAILABLE AS-BUILT DESIGN PLANS FOR PHASE 1, WHICH HAVE DISCREPANCIES WITH BUILT CONDITIONS

BOAT HOUSE

H-1 1" – TREE
H-2 1-1/2" 27.2 TREE
H-3 1" – SHRUB
H-4 1" – SHRUB
F-1 2" 74.0 TURF
H-5 1" – PALM
F-7 1-1/2" 23 TURF
F-8 2" 56 TURF
F-4 2" 50 TURF
F-2 2" 53.5 TURF
F-3 1-1/2" 36.9 TURF
H-6 2" 81.6 TREE
F-4 2" 43.2 TURF
F-13 2" 50 TURF
F-12 1-1/2" 30 TURF
F-11 1" 19 TURF
F-10 1-1/2" 38 TURF
E-10 1-1/2" 31 TURF
K-10 1" – TREE
K-11 2" 23.7 TURF
K-12 1" – SHRUB
K-13 1" – TREE
K-14 1" – SHRUB

IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	-----	-----	------
	BACKFLOW PREVENTER	FEBCO	880V BF	3"
NOT SHOWN	BOOSTER PUMPS	-----	-----	SEE SHEETS IL-1.12 - IL-1.16
	QUICK COUPLING VALVE W/KEY	RAINBIRD	44 NP	1"
	REMOTE CONTROL VALVE	RAINBIRD	PEB	SIZE AS PER PLAN
	REMOTE CONTROL VALVE W/NYE FILTER & BALL VALVE	RAINBIRD RAINBIRD	100-PESB-R RBY-100-200MX	1" 1"
	EXISTING REMOTE CONTROL VALVE (TO REMAIN)		RAINBIRD PEB SERIES	SEE NOTE #12
	EXISTING REMOTE CONTROL VALVE (FOR DEMOLITION)		RAINBIRD PEB SERIES	SEE NOTE #12
	PRESSURE REDUCING VALVE	RAINBIRD	PSI-M30X-100	3/4"
BV	BRONZE BALL VALVE	WATTS	B-6000	SIZE AS PER LINE
GV	CAST IRON GATE VALVE	NIBCO OR MILWAUKEE	-----	SIZE AS PER LINE
W A E L	IRRIGATION CONTROLLER	RAINBIRD	ESP-40-SAT-S	40 STATIONS
IE	EXISTING IRRIGATION CONTROLLERS (TO REMAIN)		RAINBIRD - ESP-SERIES	SEE NOTE #12
F	FLOW SENSOR W/ SERVICE SADDLE	DATA INDUSTRIAL SMITH-BLAIR	IR-220B MODEL 315	(3/32" ORIFICE SIZE) W/ 2" NPT TAP
AV	AIR VACUUM	CRISPIN	IGI0	(3/32" ORIFICE SIZE)
CC1	EXISTING CLUSTER CONTROL UNIT (TO REMAIN)		RAINBIRD - CCU-2B-SS	2B CHANNELS, SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (FOR DEMOLITION)		-----	SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (TO REMAIN)		-----	SEE NOTE #12
	PVC MAINLINE	2" & LARGER	CLASS 315 RECLAIMED PURPLE	SIZE AS PER PLAN

IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
	PVC MAINLINE (EXISTING)	-----	CLASS 315	SEE NOTE #12 & 13
	EXISTING PVC MAINLINE (FOR DEMOLITION)		CLASS 315	SEE NOTE #12 & 13
	PVC LATERAL LINE	------	CLASS 200	SIZE AS PER PLAN
	PVC LATERAL LINE (SHRUB)	-----	CLASS 200	SIZE AS PER PLAN
	PVC LATERAL LINE (TREE)	-----	CLASS 200	SIZE AS PER PLAN
	EXISTING PVC LATERAL LINE (TO REMAIN)		CLASS 200	SEE NOTE #12 & 13
	EXISTING PVC LATERAL LINE (FOR DEMOLITION)		CLASS 200	SEE NOTE #12 & 13
NOT SHOWN	FLEXIBLE TUBING	EXCALIBUR	------	1/2" IPS
NOT SHOWN	EMITTER	AGRIFIM	UFGIOAFG20	SEE EMITTER SCHEDULE
	SUB-SURFACE DRIP IRRIGATION (SDI)	RAINBIRD	XF-SDI	XFS-P-09-12
	SLEEVE UNDER PAVED AREAS	------	SCHEDULE 40	SEE NOTE #5
	CONDUIT (COMMUNICATION WIRE)	ANIXTER	F-03PWBPD	SEE NOTE #12
	CONDUIT (PUMP START SWITCH)	-----	-----	1-1/4"
	CONDUIT (EXISTING)	-----	-----	1-1/4"
	BUBBLERS (4 PER TREE)	RAINBIRD	1800A-F	SEE DETAILS 'C', SHEET L0.03

ID SIZE — GPM — FLOW IN GPM — PLANT MATERIAL — VALVE SIZE — IRRIGATION CONTROLLER

ID SIZE — GPM — FLOW IN GPM — PLANT MATERIAL — VALVE SIZE — IRRIGATION CONTROLLER (EXISTING OR DEMOLITION)

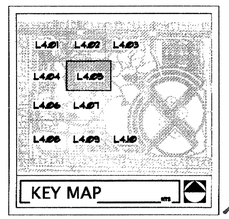
*** FOR COMPLETE IRRIGATION NOTES AND LEGENDS, SEE SHEET L4.00 ***

*** FOR LORENZI PARK - PHASE 1 EXISTING AND DEMOLITION IRRIGATION, SEE SHEET L4.05D ***

NOTE; SYMBOL
- GATE VALVE
- QUICK COUPLING VALVE

L-17-13

9.19.11



0 20' 40' 80'

SCALE: 1" = 20'-0"

UNDERGROUND SERVICING SYSTEM AS APPROVED LANDSCAPE HEAD

RECORD AS-BUILT 4/26/13

REVISIONS

CONSULTANT

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5170 S. JONES BLVD LAS VEGAS, NV 89148
T. 702.253.1828 F. 702.254.1016

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jwzuniino.com | LANDSCAPE | CONSERVATION | CONSERVATION
NV #1001 | UT #9334 | AZ #2334 | CA #1738 | TX #1136

J W Z U N I N O
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE IRRIGATION PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGDON
733
Expires: 6/30/12
STATE OF NEVADA

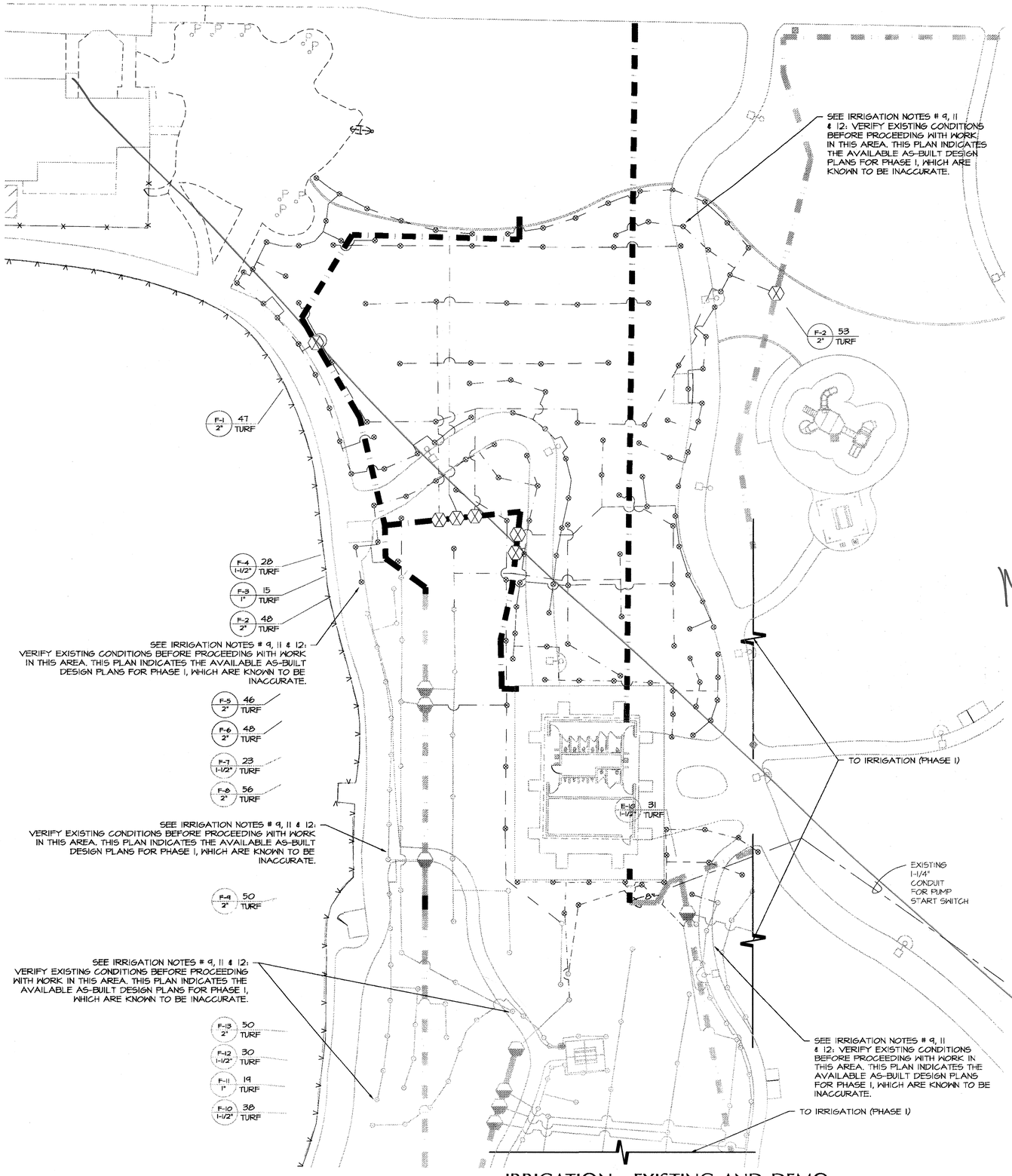
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-IR
DATE	6/27/2011
SCALE	1"=20'-0"
BID NO	10.1534104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L4.05

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IRRIGATION - EXISTING AND DEMO

IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
	EXISTING REMOTE CONTROL VALVE (TO REMAIN)		RAINBIRD PEB SERIES	SEE NOTE #12
	EXISTING REMOTE CONTROL VALVE (FOR DEMOLITION)		RAINBIRD PEB SERIES	SEE NOTE #12
	EXISTING IRRIGATION CONTROLLER (TO REMAIN)		RAINBIRD - ESP-SERIES	SEE NOTE #12
	EXISTING CLUSTER CONTROL UNIT (TO REMAIN)		RAINBIRD - CCU-2B-SS	2B CHANNELS, SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (FOR DEMOLITION)		-----	SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (TO REMAIN)		-----	SEE NOTE #12
	PVC MAINLINE (EXISTING)	-----	CLASS 315	SEE NOTE #12 & 13
	EXISTING PVC MAINLINE (FOR DEMOLITION)		CLASS 315	SEE NOTE #12 & 13
	EXISTING PVC LATERAL LINE (TO REMAIN)		CLASS 200	SEE NOTE #12 & 13
	EXISTING PVC LATERAL LINE (FOR DEMOLITION)		CLASS 200	SEE NOTE #12 & 13
	CONDUIT (EXISTING)	----	-----	1-1/4"

12 GPM — FLOW IN GPM
VALVE SIZE — TYPE — PLANT MATERIAL
IRRIGATION CONTROLLER

12 GPM — FLOW IN GPM
VALVE SIZE — TYPE — PLANT MATERIAL
IRRIGATION CONTROLLER (EXISTING OR DEMOLITION)

IRRIGATION NOTES

9. IN ALL TURF AREAS PROVIDE HEAD TO HEAD COVERAGE AND ADJUST HEADS TO KEEP EXCESS SPRAY OFF WALKWAYS, WALLS, STRUCTURES, AND PLANTING BEDS.

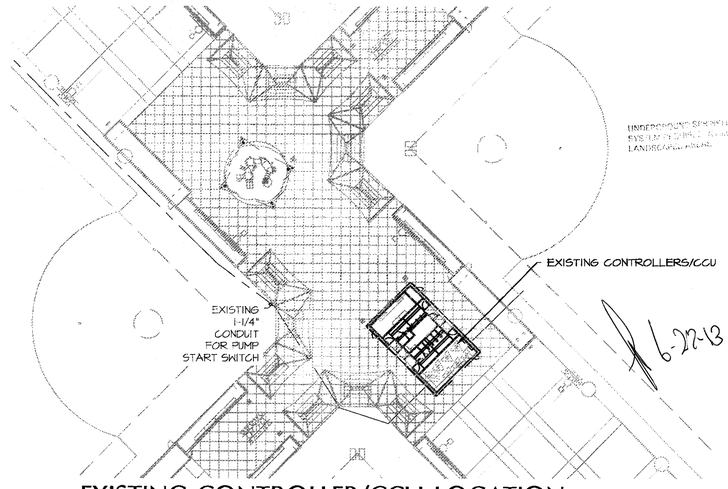
11. ALL EXISTING IRRIGATION EQUIPMENT, LOCATIONS AND SIZES ARE FOR REFERENCE ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ACCURACY OF EXISTING CONDITIONS. LANDSCAPE ARCHITECT RECOMMENDS THAT THE CONTRACTOR HAS A FIELD REVIEW MEETING WITH LORENZI PARK MAINTENANCE REPRESENTATIVE TO VERIFY ALL EXISTING EQUIPMENT AND CONDITIONS AS SHOWN ON PLANS. EXISTING IRRIGATION EQUIPMENT SHOWN ON PLANS WAS BASED OFF AS-BUILT DRAWINGS PROVIDED BY THE CITY OF LAS VEGAS). CONTRACTOR TO CONTACT CITY OF LAS VEGAS (DAVID LOBE - TELEPHONE: (702) 229-5350) TO SCHEDULE FIELD REVIEW.

12. EXISTING IRRIGATION PIPING AND WIRING TO BE EXTENDED AS NECESSARY TO ACCOMMODATE NEW IRRIGATION DESIGN AND RE-CONFIGURATION OF EXISTING SYSTEM. EXISTING IRRIGATION PIPING BEING ABANDONED IS TO BE LEFT IN PLACE AND CAPPED AS NECESSARY.

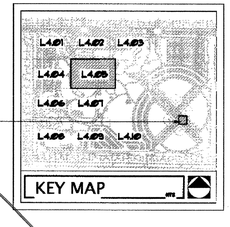
* FOR COMPLETE DEMOLITION NOTES, SEE SHEET L1.00 *
** FOR COMPLETE IRRIGATION NOTES AND LEGENDS, SEE SHEET L4.00 **

N/A

09.19.11



EXISTING CONTROLLER/CCU LOCATION



SEE ENLARGEMENT ABOVE

NTS

0 20' 40' 80'

SCALE: 1" = 20'-0"

NORTH

AVOID CUTTING OVERHEAD UTILITY LINES. IT'S COSTLY. Call before you OVERHEAD 1-702-227-2424 TRUCKEE MEADOWS ELECTRICAL LINE SAFETY SERVICES DEPARTMENT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT (USA)

RECORD AS-BUILT

Lorenzi Park-022 LW
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REVISIONS

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2292 FARADAY AVE. - CARLSBAD, CA 92008

jwzuniino.com | NV #1361 | NV #292 | AZ #23134 | CA #2739 | TX #1735

JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE IRRIGATION DEMOLITION PLAN

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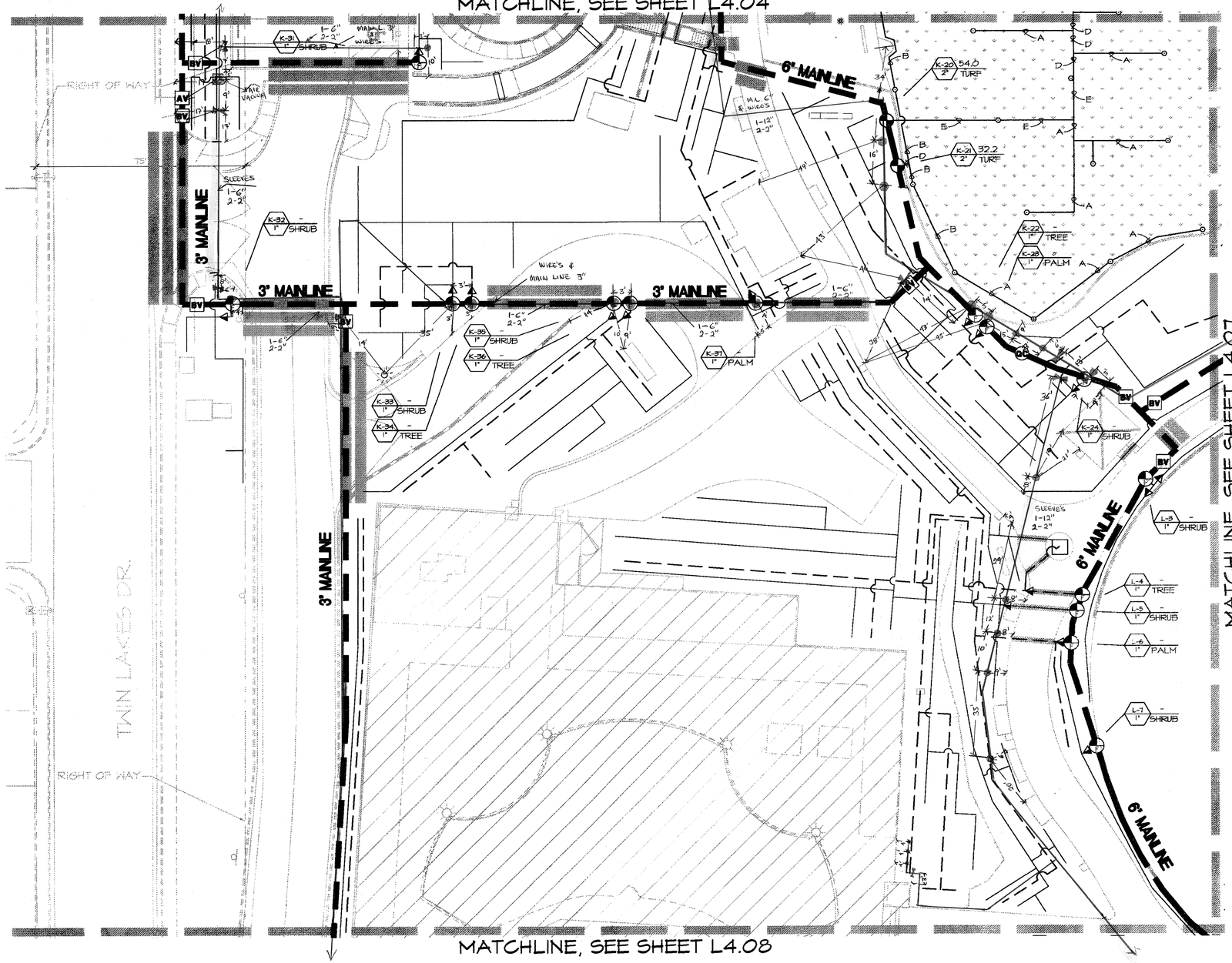
STAMP

REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANGHAM 733 Expires 6/30/12 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-9232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-IR-DEMO
DATE	6/21/2011
SCALE	1"=20'-0"
RED NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L4.05.1



IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	----		-----
B NOT SHOWN	BACKFLOW PREVENTER	FEBCO	880V BF	3"
	BOOSTER PUMPS	-----	-----	SEE SHEETS IL-1.12 - IL-1.16
QC	QUICK COUPLING VALVE W/KEY	RAINBIRD	44 NP	1"
	REMOTE CONTROL VALVE	RAINBIRD	PEB	SIZE AS PER PLAN
	REMOTE CONTROL VALVE W/WYE FILTER & BALL VALVE	RAINBIRD RAINBIRD	100-PESB-R RBY-100-200MX	1" 1"
	EXISTING REMOTE CONTROL VALVE (TO REMAIN)		RAINBIRD PEB SERIES	SEE NOTE #12
	EXISTING REMOTE CONTROL VALVE (FOR DEMOLITION)		RAINBIRD PEB SERIES	SEE NOTE #12
	PRESSURE REDUCING VALVE	RAINBIRD	PSI-M30X-100	3/4"
BV	BRONZE BALL VALVE	WATTS	B-6000	SIZE AS PER LINE
GV	CAST IRON GATE VALVE	NIBCO OR MILWAUKEE	----	SIZE AS PER LINE
C	IRRIGATION CONTROLLER	RAINBIRD	ESP-40-SAT-S	40 STATIONS
	EXISTING IRRIGATION CONTROLLERS (TO REMAIN)		RAINBIRD - ESP-SERIES	SEE NOTE #12
F	FLOW SENSOR W/ SERVICE SADDLE	DATA INDUSTRIAL SMITH-BLAIR	IR-220B MODEL 315	(3/32" ORIFICE SIZE) W/ 2" NPT TAP
AV	AIR VACUUM	CRISPIN	1010	(3/32" ORIFICE SIZE)
CCU	EXISTING CLUSTER CONTROL UNIT (TO REMAIN)		RAINBIRD - CCU-2B-SS	2B CHANNELS, SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (FOR DEMOLITION)		-----	SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (TO REMAIN)		-----	SEE NOTE #12
	PVC MAINLINE	2" & LARGER	CLASS 315 RECLAIMED PURPLE	SIZE AS PER PLAN
	PVC MAINLINE (EXISTING)	-----	CLASS 315	SEE NOTE #12 & 13
	EXISTING PVC MAINLINE (FOR DEMOLITION)		CLASS 315	SEE NOTE #12 & 13
	PVC LATERAL LINE	-----	CLASS 200	SIZE AS PER PLAN
	PVC LATERAL LINE (SHRUB)	-----	CLASS 200	SIZE AS PER PLAN
	PVC LATERAL LINE (TREE)	-----	CLASS 200	SIZE AS PER PLAN
	EXISTING PVC LATERAL LINE (TO REMAIN)		CLASS 200	SEE NOTE #12 & 13
	EXISTING PVC LATERAL LINE (FOR DEMOLITION)		CLASS 200	SEE NOTE #12 & 13
NOT SHOWN	FLEXIBLE TUBING	EXCALIBUR	-----	1/2" IPS
NOT SHOWN	EMITTER	AGRIFIM	UFC10/IFC20	SEE EMITTER SCHEDULE
	SUB-SURFACE DRIP IRRIGATION (SDI)	RAINBIRD	XF-SDI	XFS-P-09-12
	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5
	CONDUIT (COMMUNICATION WIRE)	ANIXTER	F-03PVBPD	SEE NOTE #12
	CONDUIT (PUMP START SWITCH)	----	-----	1-1/4"
	CONDUIT (EXISTING)	----	-----	1-1/4"
	BUBBLERS (4 PER TREE)	RAINBIRD	1300A-F	SEE DETAILS 'C', SHEET L0.03

IRRIGATION CONTROLLER
GPM — FLOW IN GPM
TYPE — PLANT MATERIAL
VALVE SIZE

IRRIGATION CONTROLLER (EXISTING OR DEMOLITION)
GPM — FLOW IN GPM
SIZE TYPE — PLANT MATERIAL
VALVE SIZE

IRRIGATION HEAD LEGEND

SYMBOL	DESCRIPTION	MANUFACT.	MODEL	NOZZLE	RADIUS	G.P.M.	P.S.I.	PATTERN
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15F-NP	15F	15'	3.70	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15H-NP	15H	15'	1.85	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15G-NP	15G	15'	0.92	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15A-NP	360 ARC	15'	3.70	30	ADJ. ARC
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12F-NP	12F	12'	2.80	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12H-NP	12H	12'	1.30	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12G-NP	12G	12'	0.65	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12A-NP	360 ARC	12'	2.60	30	ADJ. ARC
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10F-NP	10F	10'	1.56	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10H-NP	10H	10'	0.78	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10G-NP	10G	10'	0.39	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10A-NP	360 ARC	10'	1.56	30	ADJ. ARC

SYMBOL	DESCRIPTION	MANUFACT.	MODEL	NOZZLE	RADIUS	G.P.M.	P.S.I.	PATTERN
	ROTOR SPRAY HEAD	RAINBIRD	5505-SS-NP	26S	29'	2.4	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	5505-SS-NP	2	37'	1.9	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	5505-SS-NP	4	45'	3.6	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	7005-SS-NP	8	44'	8.4	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	7005-SS-NP	10	53'	10.1	60	ADJ. ARC

LATERAL LINES IN TURF AREAS TO BE SIZED ACCORDING TO THE CHART BELOW:

SYMBOL	LINE SIZE
A	3/4"
B	1"
C	1 1/4"
D	1 1/2"
E	2"
F	2 1/2"
G	3"

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
48" BOX	18	9	(UFC20)	AGRIFIM
36" BOX	18	9	(UFC20)	AGRIFIM
24" BOX	18	9	(UFC20)	AGRIFIM
15 GAL	18	9	(UFC20)	AGRIFIM
5 GAL	2	2	(UFC10)	AGRIFIM
1 GAL	1	1	(UFC10)	AGRIFIM
PALMS	8	4' LENGTH	XFS-P-09-12	RAINBIRD
EXISTING TREES	VAR.	VAR.	XFS-P-09-12	RAINBIRD

*** FOR COMPLETE IRRIGATION NOTES AND LEGENDS, SEE SHEET L4.00 ***

UNDERGROUND SPRINKLING SYSTEM TO BE INSTALLED IN ALL LANDSCAPED AREAS

Irrigation 9.19.11

6-27-13



0 20' 40' 80'
SCALE: 1" = 20'-0"

RECORD AS-BUILT
6/26/13

REVISIONS

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jwzunino.com | jwz@cox.net | CA#3268 | TX#11286
NV #1061 | UT #28284 | NM #280 | CA #32286 | TX #11286

J W Z U N I N O
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE IRRIGATION PLAN

STAMP
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
739
Expires 6/30/12
STATE OF NEVADA

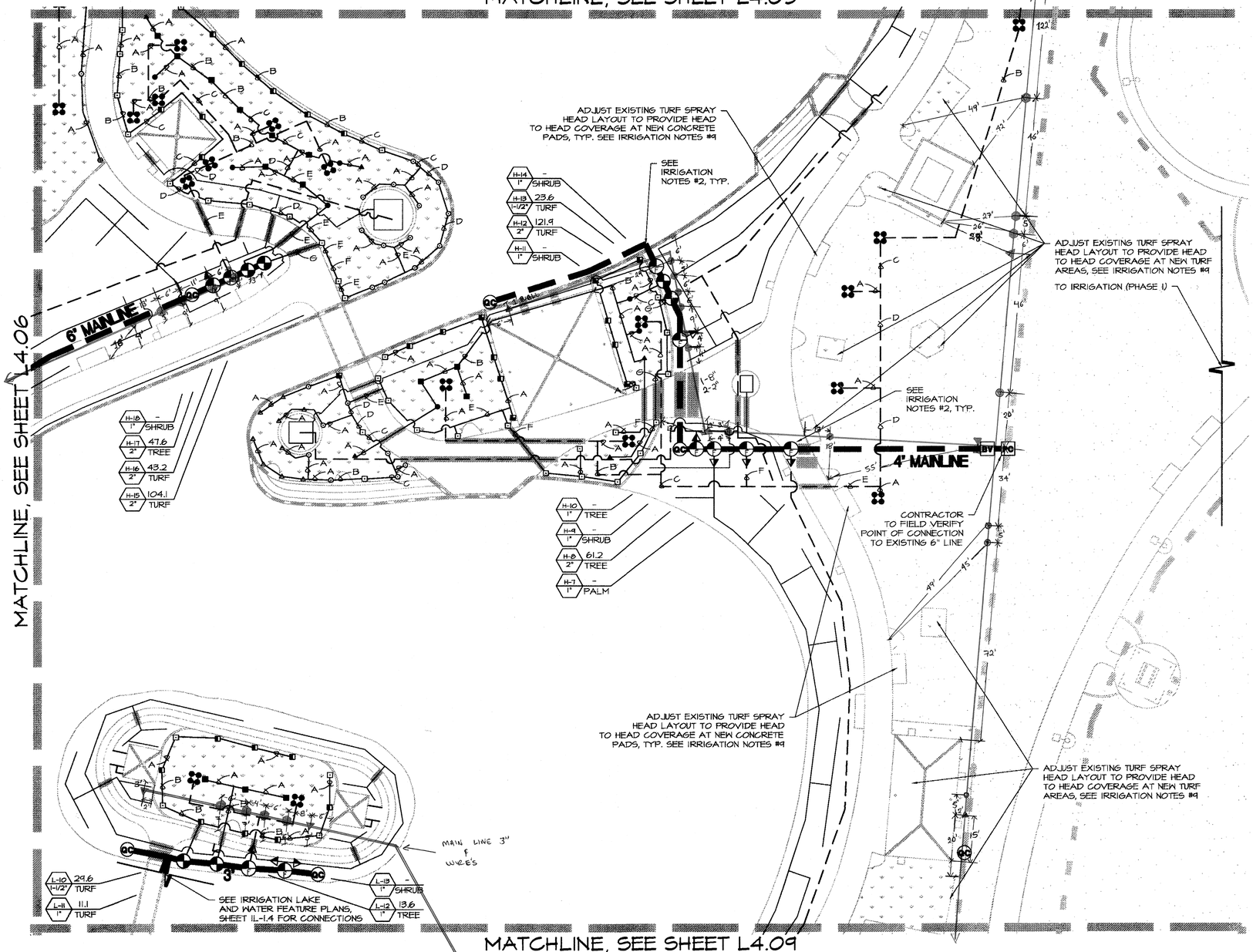
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

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DRAWN	CEB
FILE	136-IR
DATE	6/27/2011
SCALE	1"=20'-0"
BID NO	10153A.04
CLV DWG NO	650.19-41-2
HANSEN NO	33039
SHT NO	L4.06

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Lorenzi Park-0222 PRINTED ON RECYCLED PAPER



IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
POC	POINT OF CONNECTION	-----	-----	-----
B	BACKFLOW PREVENTER	FEBCO	880V BF	3"
NOT SHOWN	BOOSTER PUMPS	-----	-----	SEE SHEETS IL-1.12 - IL-1.16
QC	QUICK COUPLING VALVE W/KEY	RAINBIRD	44 NP	1"
	REMOTE CONTROL VALVE	RAINBIRD	PEB	SIZE AS PER PLAN
	REMOTE CONTROL VALVE W/ATE FILTER & BALL VALVE	RAINBIRD RAINBIRD	100-PESB-R RBY-100-200MX	1" 1"
	EXISTING REMOTE CONTROL VALVE (TO REMAIN)	RAINBIRD PEB SERIES		SEE NOTE #12
	EXISTING REMOTE CONTROL VALVE (FOR DEMOLITION)	RAINBIRD PEB SERIES		SEE NOTE #12
	PRESSURE REDUCING VALVE	RAINBIRD	PSI-M3OX-100	3/4"
BV	BRONZE BALL VALVE	WATTS	B-6000	SIZE AS PER LINE
GV	CAST IRON GATE VALVE	NIBCO OR MILWAUKEE	-----	SIZE AS PER LINE
A B C D E F G	IRRIGATION CONTROLLER	RAINBIRD	ESP-40-SAT-S	40 STATIONS
	EXISTING IRRIGATION CONTROLLERS (TO REMAIN)	RAINBIRD - ESP-SERIES		SEE NOTE #12
F	FLOW SENSOR W/ SERVICE SADDLE	DATA INDUSTRIAL SMITH-BLAIR	IR-220B MODEL 315	(3/32" ORIFICE SIZE) W/ 2" NPT TAP
AV	AIR VACUUM	CRISPIN	IC10	(3/32" ORIFICE SIZE)
CU/S	EXISTING CLUSTER CONTROL UNIT (TO REMAIN)	RAINBIRD - CCU-2B-SS		2B CHANNELS, SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (FOR DEMOLITION)	-----		SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (TO REMAIN)	-----		SEE NOTE #12
	PVC MAINLINE	2" & LARGER	CLASS 315 RECLAIMED PURPLE	SIZE AS PER PLAN
	PVC MAINLINE (EXISTING)	-----	CLASS 315	SEE NOTE #12 & 13
	EXISTING PVC MAINLINE (FOR DEMOLITION)		CLASS 315	SEE NOTE #12 & 13
	PVC LATERAL LINE	-----	CLASS 200	SIZE AS PER PLAN
	PVC LATERAL LINE (SHRUB)	-----	CLASS 200	SIZE AS PER PLAN
	PVC LATERAL LINE (TREE)	-----	CLASS 200	SIZE AS PER PLAN
	EXISTING PVC LATERAL LINE (TO REMAIN)		CLASS 200	SEE NOTE #12 & 13
	EXISTING PVC LATERAL LINE (FOR DEMOLITION)		CLASS 200	SEE NOTE #12 & 13
NOT SHOWN	FLEXIBLE TUBING	EXCALIBUR	-----	1/2" IPS
NOT SHOWN	EMITTER	AGRIFIM	UFC10/UFC20	SEE EMITTER SCHEDULE
	SUB-SURFACE DRIP IRRIGATION (SDI)	RAINBIRD	XF-SDI	XFS-P-09-12
	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5
	CONDUIT (COMMUNICATION WIRE)	ANIXTER	F-03PMBPD	SEE NOTE #12
	CONDUIT (PUMP START SWITCH)	-----	-----	1-1/4"
	CONDUIT (EXISTING)	-----	-----	1-1/4"
	BUBBLERS (4 PER TREE)	RAINBIRD	1300A-F	SEE DETAILS 'C', SHEET LD.03

ID — GPM — FLOW IN GPM — IRRIGATION CONTROLLER
SIZE — TYPE — PLANT MATERIAL — IRRIGATION CONTROLLER (EXISTING OR DEMOLITION)
VALVE SIZE

IRRIGATION HEAD LEGEND

SYMBOL	DESCRIPTION	MANUFACT.	MODEL	NOZZLE	RADIUS	G.P.M.	P.S.I.	PATTERN
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15F-NP	15F	15'	3.10	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15H-NP	15H	15'	1.85	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15Q-NP	15Q	15'	0.92	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15A-NP	360 ARC	15'	3.10	30	ADJ. ARC
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12F-NP	12F	12'	2.60	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12H-NP	12H	12'	1.30	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12Q-NP	12Q	12'	0.65	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12A-NP	360 ARC	12'	2.60	30	ADJ. ARC
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10F-NP	10F	10'	1.56	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10H-NP	10H	10'	0.79	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10Q-NP	10Q	10'	0.39	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10A-NP	360 ARC	10'	1.56	30	ADJ. ARC

SYMBOL	DESCRIPTION	MANUFACT.	MODEL	NOZZLE	RADIUS	G.P.M.	P.S.I.	PATTERN
	ROTOR SPRAY HEAD	RAINBIRD	5505-55-NP	26S	29'	2.4	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	5505-55-NP	2	31'	1.9	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	5505-55-NP	4	45'	3.6	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	7005-55-NP	8	44'	8.4	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	7005-55-NP	10	53'	10.1	60	ADJ. ARC

LATERAL LINES IN TURF AREAS TO BE SIZED ACCORDING TO THE CHART BELOW:

SYMBOL	LINE SIZE
A	3/4"
B	1"
C	1 1/4"
D	1 1/2"
E	2"
F	2 1/2"
G	3"

EMITTER SCHEDULE

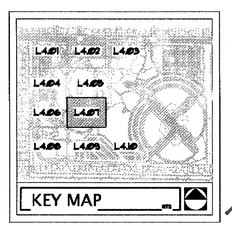
PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
48" BOX	18	9	(UFC20)	AGRIFIM
36" BOX	18	9	(UFC20)	AGRIFIM
24" BOX	18	9	(UFC20)	AGRIFIM
15 GAL	18	9	(UFC20)	AGRIFIM
5 GAL	2	2	(UFC10)	AGRIFIM
1 GAL	1	1	(UFC10)	AGRIFIM
PALMS	8	4' LENGTH	XFS-P-09-12	RAINBIRD
EXISTING TREES	VAR.	VAR.	XFS-P-09-12	RAINBIRD

UNDERGROUND SPRINKLING SYSTEM REQUIRED IN ALL LANDSCAPED AREAS

*** FOR COMPLETE IRRIGATION NOTES AND LEGENDS, SEE SHEET L4.00 ***

NOTE; SYMBOL
- GATE VALVE
- QUICK COUPLING.
- VALVE.
- SPLICE BOX

9.19.11
6-27-13



0 20' 40' 80'
SCALE: 1" = 20'-0"

RECORD AS-BUILT
6/26/13

REVISIONS

CONSULTANT

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J.W. ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
IRRIGATION PLAN
LANDSCAPE

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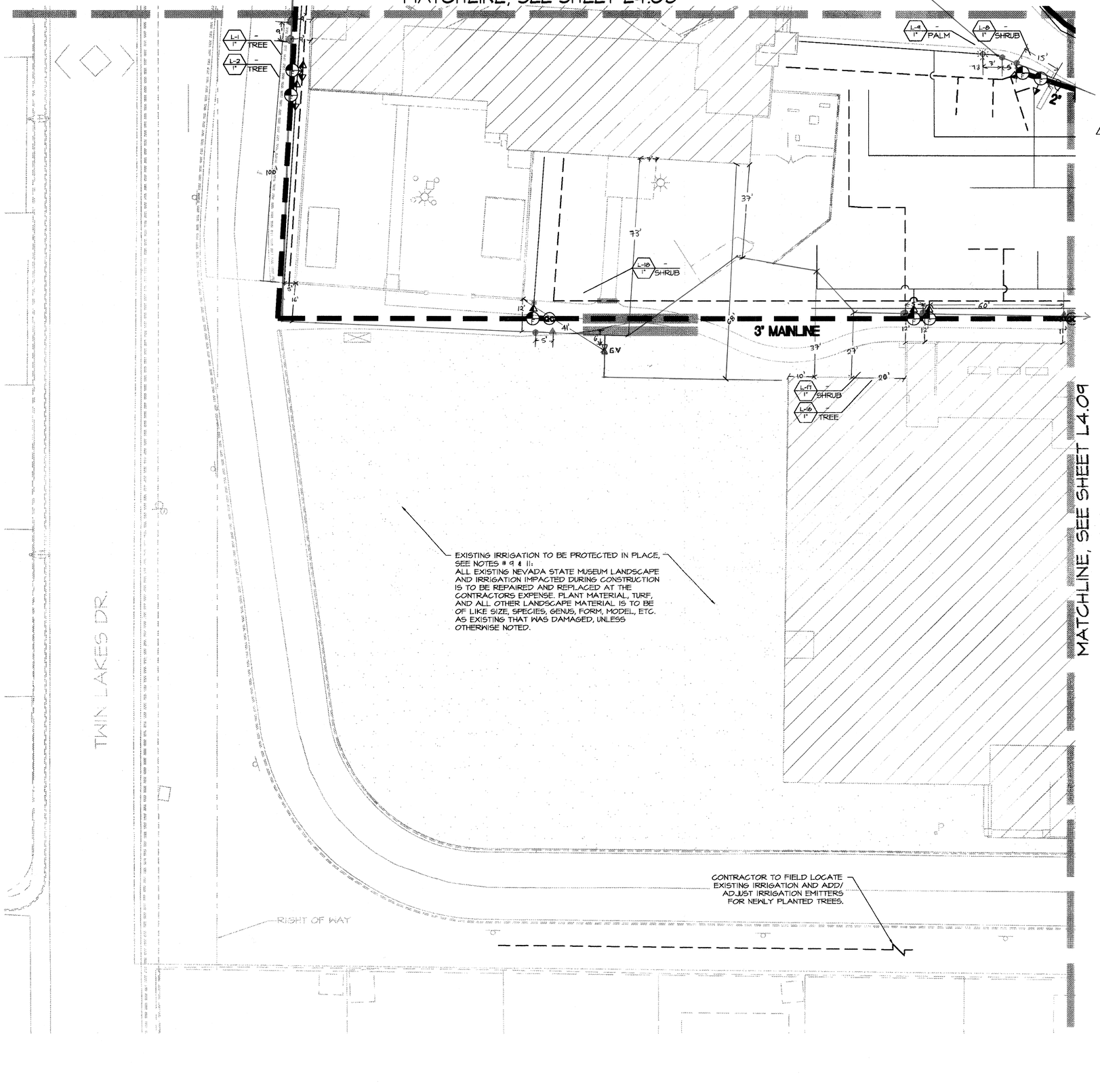
STAMP
REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER A. LANDRAM 7331 Expires 6/30/12 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

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FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-IR
DATE	6/27/2011
SCALE	1"=20'-0"
BID NO	10.153A1.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L4.07

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Lorenzi Park-0223.dwg



IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	-----		-----
B / NOT SHOWN	BACKFLOW PREVENTER BOOSTER PUMPS	FEBCO	880V BF -----	3" SEE SHEETS IL-1.12 - IL-1.16
QC	QUICK COUPLING VALVE W/KEY	RAINBIRD	44 NP	1"
	REMOTE CONTROL VALVE	RAINBIRD	PEB	SIZE AS PER PLAN
	REMOTE CONTROL VALVE W/WYE FILTER & BALL VALVE	RAINBIRD RAINBIRD	100-PESB-R RBY-100-200MX	1" 1"
	EXISTING REMOTE CONTROL VALVE (TO REMAIN)		RAINBIRD PEB SERIES	SEE NOTE #12
	EXISTING REMOTE CONTROL VALVE (FOR DEMOLITION)		RAINBIRD PEB SERIES	SEE NOTE #12
	PRESSURE REDUCING VALVE	RAINBIRD	PSI-MBOX-100	3/4"
BV	BRONZE BALL VALVE	WATTS	B-6000	SIZE AS PER LINE
GV	CAST IRON GATE VALVE	NIBCO OR MILWAUKEE	-----	SIZE AS PER LINE
C / R / L	IRRIGATION CONTROLLER	RAINBIRD	ESP-4D-SAT-S	4D STATIONS
	EXISTING IRRIGATION CONTROLLERS (TO REMAIN)		RAINBIRD - ESP-SERIES	SEE NOTE #12
F	FLOW SENSOR W/ SERVICE SADDLE	DATA INDUSTRIAL SMITH-BLAIR	IR-220B MODEL 315	(3/32" ORIFICE SIZE) W/ 2" NPT TAP
AV	AIR VACUUM	CRISPIN	1010	(3/32" ORIFICE SIZE)
	EXISTING CLUSTER CONTROL UNIT (TO REMAIN)		RAINBIRD - CCU-2B-SS	2B CHANNELS, SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (FOR DEMOLITION)		-----	SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (TO REMAIN)		-----	SEE NOTE #12
	PVC MAINLINE	2" & LARGER	CLASS 315 RECLAIMED PURPLE	SIZE AS PER PLAN
	PVC MAINLINE (EXISTING)	-----	CLASS 315	SEE NOTE #12 & 13
	EXISTING PVC MAINLINE (FOR DEMOLITION)		CLASS 315	SEE NOTE #12 & 13
	PVC LATERAL LINE	-----	CLASS 200	SIZE AS PER PLAN
	PVC LATERAL LINE (SHRUB)	-----	CLASS 200	SIZE AS PER PLAN
	PVC LATERAL LINE (TREE)	-----	CLASS 200	SIZE AS PER PLAN
	EXISTING PVC LATERAL LINE (TO REMAIN)		CLASS 200	SEE NOTE #12 & 13
	EXISTING PVC LATERAL LINE (FOR DEMOLITION)		CLASS 200	SEE NOTE #12 & 13
NOT SHOWN	FLEXIBLE TUBING	EXCALIBUR	-----	1/2" IPS
NOT SHOWN	EMITTER	AGRIFIM	UFGIO/UFG20	SEE EMITTER SCHEDULE
	SUB-SURFACE DRIP IRRIGATION (SDI)	RAINBIRD	XF-501	XFS-P-04-12
	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5
	CONDUIT (COMMUNICATION WIRE)	ANIXTER	F-03PKIBPD	SEE NOTE #12
	CONDUIT (PUMP START SWITCH)	-----	-----	1-1/4"
	CONDUIT (EXISTING)	-----	-----	1-1/4"
	BUBBLERS (4 PER TREE)	RAINBIRD	1800A-F	SEE DETAILS 'C', SHEET LB.03

12 GPM / 0.25 — IRRIGATION CONTROLLER
GPM — FLOW IN GPM
TYPE — PLANT MATERIAL
VALVE SIZE

12 GPM / 0.25 — IRRIGATION CONTROLLER (EXISTING OR DEMOLITION)
GPM — FLOW IN GPM
TYPE — PLANT MATERIAL
VALVE SIZE

IRRIGATION HEAD LEGEND

SYMBOL	DESCRIPTION	MANUFACT.	MODEL	NOZZLE	RADIUS	G.P.M.	P.S.I.	PATTERN
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15F-NP	15F	15'	3.70	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15H-NP	15H	15'	1.85	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15Q-NP	15Q	15'	0.92	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15A-NP	360 ARC	15'	3.70	30	ADJ. ARC
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12F-NP	12F	12'	2.60	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12H-NP	12H	12'	1.30	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12Q-NP	12Q	12'	0.65	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12A-NP	360 ARC	12'	2.60	30	ADJ. ARC
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10F-NP	10F	10'	1.58	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10H-NP	10H	10'	0.79	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10Q-NP	10Q	10'	0.39	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10A-NP	360 ARC	10'	1.58	30	ADJ. ARC

SYMBOL	DESCRIPTION	MANUFACT.	MODEL	NOZZLE	RADIUS	G.P.M.	P.S.I.	PATTERN
	ROTOR SPRAY HEAD	RAINBIRD	5505-SS-NP	28S	29'	2.4	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	5505-SS-NP	2	31'	1.9	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	5505-SS-NP	4	45'	3.6	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	7005-SS-NP	8	44'	8.4	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	7005-SS-NP	10	53'	10.1	60	ADJ. ARC

LATERAL LINES IN TURF AREAS TO BE SIZED ACCORDING TO THE CHART BELOW:

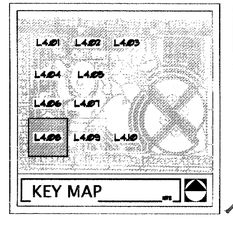
SYMBOL	LINE SIZE
A	3/4"
B	1"
C	1 1/4"
D	1 1/2"
E	2"
F	2 1/2"
G	3"

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
48" BOX	18	9	(UFG20)	AGRIFIM
36" BOX	18	9	(UFG20)	AGRIFIM
24" BOX	18	9	(UFG20)	AGRIFIM
15 GAL	18	9	(UFG20)	AGRIFIM
5 GAL	2	2	(UFG10)	AGRIFIM
1 GAL	1	1	(UFG10)	AGRIFIM
PALMS	8	4' LENGTH	XFS-P-04-12	RAINBIRD
EXISTING TREES	VAR.	VAR.	XFS-P-04-12	RAINBIRD

*** FOR COMPLETE IRRIGATION NOTES AND LEGENDS, SEE SHEET L4.00 ***

UNDERGROUND SPRINKLING SYSTEM REQUIRED IN ALL LANDSCAPED AREAS



0 20' 40' 80'
SCALE: 1" = 20'-0"

RECORD AS-BUILT 6/26/13

9.14.11
6-22-13

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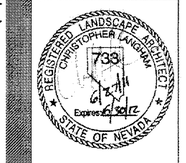
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JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE IRRIGATION PLAN

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STAMP



OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

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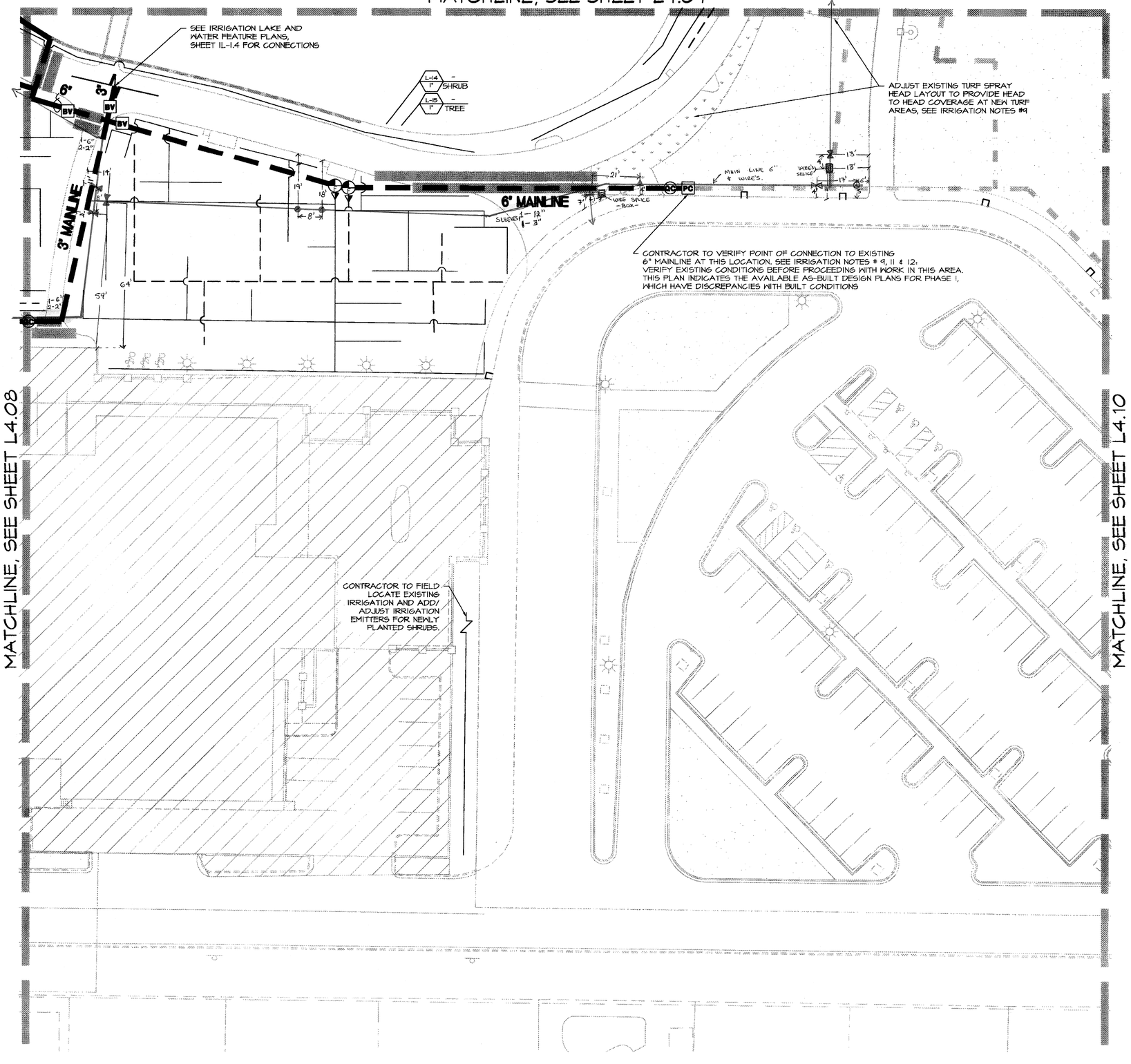
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FILE	136-IR
DATE	6/17/2011
SCALE	1"=20'-0"
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L4.08

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Lorenzi Park-0224.tif

MATCHLINE, SEE SHEET L4.07

MATCHLINE, SEE SHEET L4.08

MATCHLINE, SEE SHEET L4.10



IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	----	----	-----
B	BACKFLOW PREVENTER	FEBCO	880V BF	3"
NOT SHOWN	BOOSTER PUMPS	----	----	SEE SHEETS IL-1.12 - IL-1.16
GV	QUICK COUPLING VALVE W/KEY	RAINBIRD	44 NP	1"
	REMOTE CONTROL VALVE	RAINBIRD	PEB	SIZE AS PER PLAN
	REMOTE CONTROL VALVE W/WYE FILTER & BALL VALVE	RAINBIRD RAINBIRD	100-PESB-R RBY-100-200MX	1" 1"
	EXISTING REMOTE CONTROL VALVE (TO REMAIN)		RAINBIRD PEB SERIES	SEE NOTE #12
	EXISTING REMOTE CONTROL VALVE (FOR DEMOLITION)		RAINBIRD PEB SERIES	SEE NOTE #12
	PRESSURE REDUCING VALVE	RAINBIRD	PSI-M30X-100	3/4"
BV	BRONZE BALL VALVE	WATTS	B-6000	SIZE AS PER LINE
GV	CAST IRON GATE VALVE	NIBCO OR MILWAUKEE	-----	SIZE AS PER LINE
	IRRIGATION CONTROLLER	RAINBIRD	ESP-4O-SAT-S	40 STATIONS
	EXISTING IRRIGATION CONTROLLERS (TO REMAIN)		RAINBIRD - ESP-SERIES	SEE NOTE #12
F	FLOW SENSOR W/ SERVICE SADDLE	DATA INDUSTRIAL SMITH-BLAIR	IR-220B MODEL 315	(9/32" ORIFICE SIZE) W/ 2" NPT TAP
AV	AIR VACUUM	CRISPIN	IC10	(9/32" ORIFICE SIZE)
	EXISTING CLUSTER CONTROL UNIT (TO REMAIN)		RAINBIRD - CCU-2B-SS	2B CHANNELS, SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (FOR DEMOLITION)		----	SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (TO REMAIN)		----	SEE NOTE #12
	PVC MAINLINE	2" & LARGER	CLASS 315 RECLAIMED PURPLE	SIZE AS PER PLAN
	PVC MAINLINE (EXISTING)	----	CLASS 315	SEE NOTE #12 & 13
	EXISTING PVC MAINLINE (FOR DEMOLITION)		CLASS 315	SEE NOTE #12 & 13
	PVC LATERAL LINE	----	CLASS 200	SIZE AS PER PLAN
	PVC LATERAL LINE (SHRUB)	----	CLASS 200	SIZE AS PER PLAN
	PVC LATERAL LINE (TREE)	----	CLASS 200	SIZE AS PER PLAN
	EXISTING PVC LATERAL LINE (TO REMAIN)		CLASS 200	SEE NOTE #12 & 13
	EXISTING PVC LATERAL LINE (FOR DEMOLITION)		CLASS 200	SEE NOTE #12 & 13
NOT SHOWN	FLEXIBLE TUBING	EXCALIBUR	----	1/2" IPS
NOT SHOWN	EMITTER	AGRIFIM	UFCIO/UFC20	SEE EMITTER SCHEDULE
	SUB-SURFACE DRIP IRRIGATION (SDI)	RAINBIRD	XF-SDI	XF5-P-04-12
	SLEEVE UNDER PAVED AREAS	------	SCHEDULE 40	SEE NOTE #5
	CONDUIT (COMMUNICATION WIRE)	ANIXTER	F-03PWBPD	SEE NOTE #12
	CONDUIT (PUMP START SWITCH)	----	----	1-1/4"
	CONDUIT (EXISTING)	----	----	1-1/4"
	BUBBLERS (4 PER TREE)	RAINBIRD	1800A-F	SEE DETAILS 'C', SHEET LD.03

17 SIZE — IRRIGATION CONTROLLER; GPM — FLOW IN GPM; TYPE — PLANT MATERIAL; VALVE SIZE

10 SIZE — IRRIGATION CONTROLLER (EXISTING OR DEMOLITION); GPM — FLOW IN GPM; TYPE — PLANT MATERIAL; VALVE SIZE

IRRIGATION HEAD LEGEND

SYMBOL	DESCRIPTION	MANUFACT.	MODEL	NOZZLE	RADIUS	G.P.M.	P.S.I.	PATTERN
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15F-NP	15F	15'	3.70	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15H-NP	15H	15'	1.85	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15Q-NP	15Q	15'	0.92	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15A-NP	360 ARC	15'	3.70	30	ADJ. ARC
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12F-NP	12F	12'	2.60	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12H-NP	12H	12'	1.30	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12Q-NP	12Q	12'	0.65	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12A-NP	360 ARC	12'	2.60	30	ADJ. ARC
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10F-NP	10F	10'	1.58	30	FULL CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10H-NP	10H	10'	0.79	30	1/2 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10Q-NP	10Q	10'	0.39	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10A-NP	360 ARC	10'	1.58	30	ADJ. ARC

SYMBOL	DESCRIPTION	MANUFACT.	MODEL	NOZZLE	RADIUS	G.P.M.	P.S.I.	PATTERN
	ROTOR SPRAY HEAD	RAINBIRD	5505-55-NP	26S	29'	2.4	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	5505-55-NP	2	31'	1.9	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	5505-55-NP	4	45'	3.6	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	7005-55-NP	8	49'	8.4	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	7005-55-NP	10	53'	10.1	60	ADJ. ARC

LATERAL LINES IN TURF AREAS TO BE SIZED ACCORDING TO THE CHART BELOW:

SYMBOL	LINE SIZE
A	3/4"
B	1"
C	1 1/4"
D	1 1/2"
E	2"
F	2 1/2"
G	3"

EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
48" BOX	18	9	(UFC20)	AGRIFIM
36" BOX	18	9	(UFC20)	AGRIFIM
24" BOX	18	9	(UFC20)	AGRIFIM
15 GAL	18	9	(UFC20)	AGRIFIM
5 GAL	2	2	(UFC10)	AGRIFIM
1 GAL	1	1	(UFC10)	AGRIFIM
PALMS	8	4' LENGTH	XFS-P-04-12	RAINBIRD
EXISTING TREES	VAR.	VAR.	XFS-P-04-12	RAINBIRD

*** FOR COMPLETE IRRIGATION NOTES AND LEGENDS, SEE SHEET L4.00 ***

UNDERGROUND SPRINKLING SYSTEM REQUIRED IN ALL LANDSCAPED AREAS



0 20' 40' 80'

SCALE: 1" = 20'-0"

RECORD AS-BUILT 6/26/13

REVISIONS

CONSULTANT

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3131 S. JONES BLVD. | LAS VEGAS, NV 89146
T. 702.253.9388 F. 702.253.1116

C A R L S B A D , C A
2246 FARADAY AVE. | CARLSBAD, CA 92008

jwzunino.com | NV #1451 LIC# 82434 | NLP #2822 | AZ #32394 | CA #27238 | TX #1295

J W Z U N I N O
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE IRRIGATION PLAN

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE DESIGN PROFESSIONAL WHOSE STAMP OF CERTIFICATION APPEARS ON THE DRAWINGS AND SPECIFICATIONS AND ARE NOT TO BE USED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT OF THE DESIGN PROFESSIONAL. ANY UNAUTHORIZED USE OF THESE DRAWINGS AND SPECIFICATIONS SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO THE DESIGN PROFESSIONAL. THE USER SHALL INDEMNIFY AND HOLD HARMLESS THE DESIGN PROFESSIONAL AGAINST ALL DAMAGES, LIABILITIES AND COSTS, INCLUDING REASONABLE ATTORNEY'S FEES AND COURT COSTS, ARISING OUT OF OR IN CONNECTION WITH SUCH UNAUTHORIZED USE.

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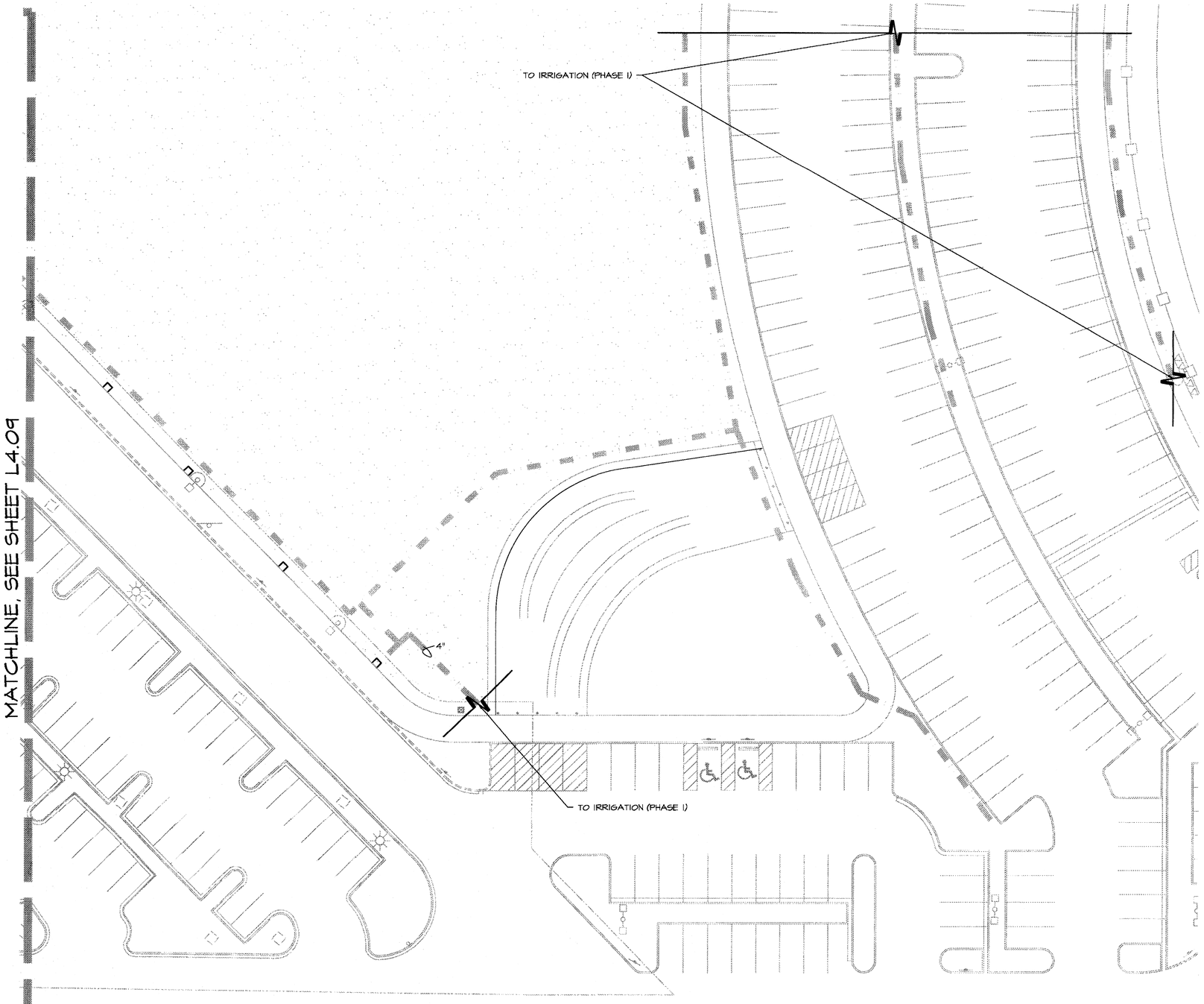
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGDON
733
Expires: 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6335
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-IR
DATE	6/27/2011
SCALE	1"=20'-0"
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L4.09

Lorenzi Park_0225.tif
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IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE
PC	POINT OF CONNECTION	----		-----
B	BACKFLOW PREVENTER	PEBCO	880V BF	3"
NOT SHOWN	BOOSTER PUMPS	----	----	SEE SHEETS IL-1.12 - IL-1.16
QC	QUICK COUPLING VALVE W/KEY	RAINBIRD	44 NP	1"
	REMOTE CONTROL VALVE	RAINBIRD	PEB	SIZE AS PER PLAN
	REMOTE CONTROL VALVE W/NYE FILTER & BALL VALVE	RAINBIRD RAINBIRD	100-PESB-R RBY-100-200MX	1" 1"
	EXISTING REMOTE CONTROL VALVE (TO REMAIN)		RAINBIRD PEB SERIES	SEE NOTE #12
	EXISTING REMOTE CONTROL VALVE (FOR DEMOLITION)		RAINBIRD PEB SERIES	SEE NOTE #12
	PRESSURE REDUCING VALVE	RAINBIRD	PSI-M30X-100	3/4"
BV	BRONZE BALL VALVE	WATTS	B-6000	SIZE AS PER LINE
GV	CAST IRON GATE VALVE	NIBCO OR MILWAUKEE	----	SIZE AS PER LINE
C	IRRIGATION CONTROLLER	RAINBIRD	ESP-40-SAT-S	40 STATIONS
	EXISTING IRRIGATION CONTROLLERS (TO REMAIN)		RAINBIRD - ESP-SERIES	SEE NOTE #12
F	FLOW SENSOR W/ SERVICE SADDLE	DATA INDUSTRIAL SMITH-BLAIR	IR-220B MODEL 315	(3/32" ORIFICE SIZE) W/ 2" NPT TAP
AV	AIR VACUUM	CRISPIN	1010	(3/32" ORIFICE SIZE)
CC1	EXISTING CLUSTER CONTROL UNIT (TO REMAIN)		RAINBIRD - CCU-28-SS	28 CHANNELS, SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (FOR DEMOLITION)		----	SEE NOTE #12
	EXISTING SPRAY HEAD/ROTOR (TO REMAIN)		----	SEE NOTE #12
	PVC MAINLINE	2" & LARGER	CLASS 315 RECLAIMED PURPLE	SIZE AS PER PLAN
	PVC MAINLINE (EXISTING)	-----	CLASS 315	SEE NOTE #12 & 13
	EXISTING PVC MAINLINE (FOR DEMOLITION)		CLASS 315	SEE NOTE #12 & 13
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	PVC LATERAL LINE (SHRUB)	-----	CLASS 200	SIZE AS PER PLAN
	PVC LATERAL LINE (TREE)	-----	CLASS 200	SIZE AS PER PLAN
	EXISTING PVC LATERAL LINE (TO REMAIN)		CLASS 200	SEE NOTE #12 & 13
	EXISTING PVC LATERAL LINE (FOR DEMOLITION)		CLASS 200	SEE NOTE #12 & 13
NOT SHOWN	FLEXIBLE TUBING	EXCALIBUR	-----	1/2" IPS
NOT SHOWN	EMITTER	AGRIFIM	UFC10/UFC20	SEE EMITTER SCHEDULE
	SUB-SURFACE DRIP IRRIGATION (SDI)	RAINBIRD	XF-SDI	XFS-P-04-12
	SLEEVE UNDER PAVED AREAS	-----	SCHEDULE 40	SEE NOTE #5
	CONDUIT (COMMUNICATION WIRE)	ANIXTER	F-03P18BPD	SEE NOTE #12
	CONDUIT (PUMP START SWITCH)	-----	-----	1-1/4"
	CONDUIT (EXISTING)	-----	-----	1-1/4"
	BUBBLERS (4 PER TREE)	RAINBIRD	1800A-F	SEE DETAILS 'C', SHEET L8.03

ID — IRRIGATION CONTROLLER
SIZE — GPM — FLOW IN GPM
TYPE — PLANT MATERIAL
VALVE SIZE

ID — IRRIGATION CONTROLLER (EXISTING OR DEMOLITION)
SIZE — GPM — FLOW IN GPM
TYPE — PLANT MATERIAL
VALVE SIZE

IRRIGATION HEAD LEGEND

SYMBOL	DESCRIPTION	MANUFACT.	MODEL	NOZZLE	RADIUS	G.P.M.	P.S.I.	PATTERN
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-15F-NP	15F	15'	3.70	30	FULL CIRCLE
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	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12Q-NP	12Q	12'	0.65	30	1/4 CIRCLE
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-12A-NP	360 ARC	12'	2.60	30	ADJ. ARC
	6" POP-UP SPRAY HEAD	RAINBIRD	1806-PRS-10F-NP	10F	10'	1.58	30	FULL CIRCLE
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SYMBOL	DESCRIPTION	MANUFACT.	MODEL	NOZZLE	RADIUS	G.P.M.	P.S.I.	PATTERN
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	ROTOR SPRAY HEAD	RAINBIRD	5505-SS-NP	4	45'	3.6	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	7005-SS-NP	8	44'	8.4	60	ADJ. ARC
	ROTOR SPRAY HEAD	RAINBIRD	7005-SS-NP	10	58'	10.1	60	ADJ. ARC

LATERAL LINES IN TURF AREAS TO BE SIZED ACCORDING TO THE CHART BELOW:

SYMBOL	LINE SIZE
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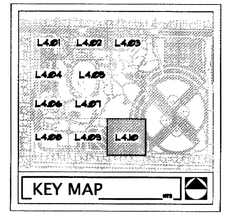
EMITTER SCHEDULE

PLANT SIZE	G.P.H.	QTY.	EMITTER	MANUFACTURER
48" BOX	18	9	(UFC20)	AGRIFIM
36" BOX	18	9	(UFC20)	AGRIFIM
24" BOX	18	9	(UFC20)	AGRIFIM
15 GAL	18	9	(UFC20)	AGRIFIM
5 GAL	2	2	(UFC10)	AGRIFIM
1 GAL	1	1	(UFC10)	AGRIFIM
PALMS	8	9' LENGTH	XFS-P-04-12	RAINBIRD
EXISTING TREES	VAR.	VAR.	XFS-P-04-12	RAINBIRD

*** FOR COMPLETE IRRIGATION NOTES AND LEGENDS, SEE SHEET L4.00 ***

UNDERGROUND SPRINKLING SYSTEM REQUIRED IN ALL LANDSCAPED AREAS

RECORD AS-BUILT



0 20' 40' 80'

SCALE: 1" = 20'-0"

REVISIONS

CONSULTANT

L A S V E G A S N V
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T 702.253.3330 | F 702.253.3336

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2248 FARADAY AVE. | CARLSBAD, CA 92008

jwzunino.com | JOB OF ANCE | (800) 1-1-1970 | DIGBEFORE YOU DIG | 811

NV #1551 LIT #5688 | AM #1551 | AZ #31134 | CA #31134 | TX #3134

J W Z U N I N O
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
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LANDSCAPE IRRIGATION PLAN

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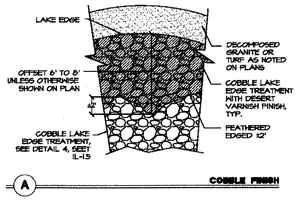
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. UNGLOM
733
Expires 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

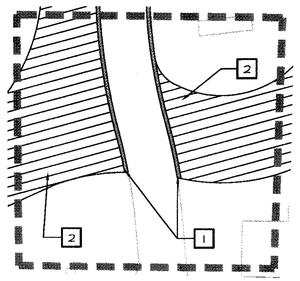
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-IR
DATE	6/17/2011
SCALE	1"=20'-0"
SCD NO	10.15341.04
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HANSEN NO	33039
SHT NO	L4.10

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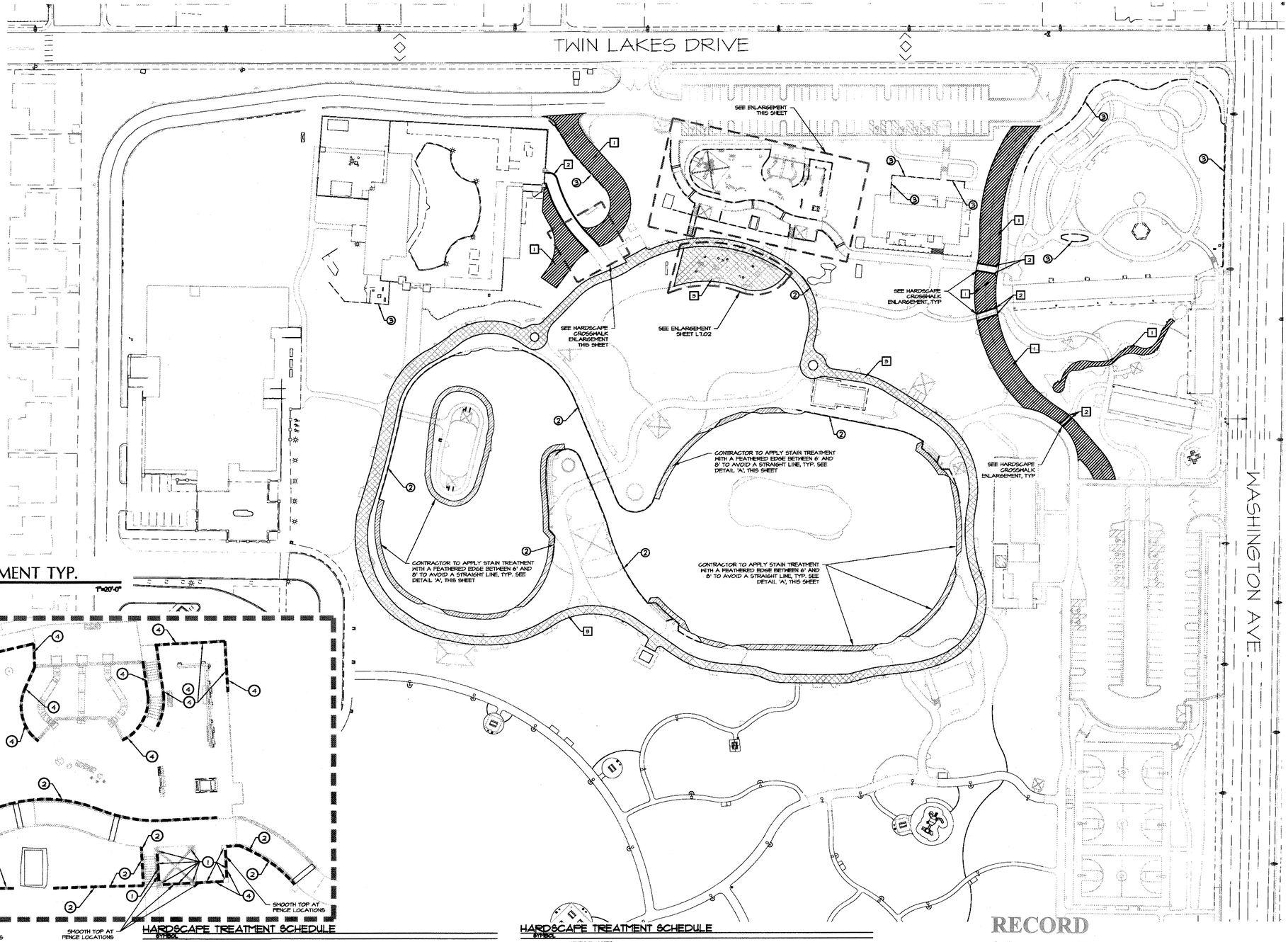


A COBBLE FINISH



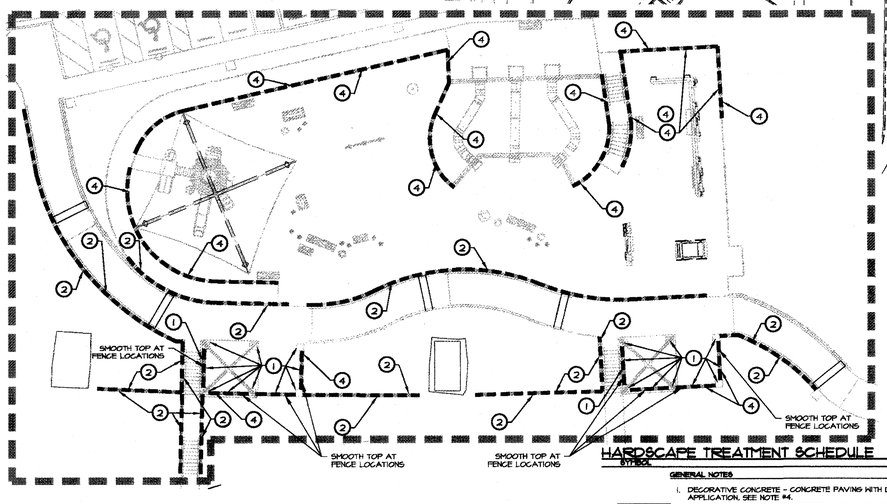
HARDSCAPE CROSSWALK ENLARGEMENT TYP.

1"=20'-0"



WALL TREATMENT ENLARGEMENT

1"=20'-0"



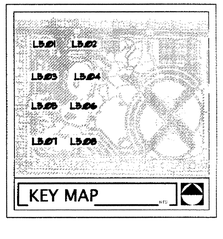
HARDSCAPE TREATMENT SCHEDULE

SYMBOL	GENERAL NOTES
1	1. DECORATIVE CONCRETE - CONCRETE PAVING WITH DESERT VARNISH SATURATION LEVEL - ONE APPLICATION, SEE NOTE #4. MANUFACTURER: NATINA DESERT VARNISH SOLUTIONS, 5996 EDMOND ST., LAS VEGAS, NV 89118, TELEPHONE: (877) 762-8462, FAX: (866) 420-2154 OR PERMEON COLOR MITIGATION MANUFACTURER: NATIVE RESOURCES, 6420 S. CAMERON DR. SUITE 207, LAS VEGAS, NV 89118, TELEPHONE: (702) 367-8888, FAX: (702) 367-0994
2	2. DECORATIVE CONCRETE - CONCRETE PAVING WITH 12" WIDTH TYP. DESERT VARNISH. SATURATION LEVEL - TWO APPLICATIONS. SEE NOTE #4. MANUFACTURER: NATINA DESERT VARNISH SOLUTIONS, 5996 EDMOND ST., LAS VEGAS, NV 89118, TELEPHONE: (877) 762-8462, FAX: (866) 420-2154 OR PERMEON COLOR MITIGATION MANUFACTURER: NATIVE RESOURCES, 6420 S. CAMERON DR. SUITE 207, LAS VEGAS, NV 89118, TELEPHONE: (702) 367-8888, FAX: (702) 367-0994
3	3. DECORATIVE CONCRETE - INTEGRAL COLOR: COLOR TO MATCH DAVIS COLORS, SAN DIEGO BUFF. FINISH - LIGHT BROOM. SEE NOTE #4. LITHOCRETE: T.D. PENICK & SONS, INC., 5275 S. ARVILLE ST, SUITE 300, LAS VEGAS, NV 89118, 800-234-6046 EX. 170, CONTACT: ANDRISH HEBER OR SCOFIELD SYSTEMS: 6033 BANDINI BLVD, LOS ANGELES, CA 90040, 323-720-3000
	4. MANUFACTURER TO CONSULT LANDSCAPE ARCHITECT FOR COLOR SATURATION AND COORDINATION OF FINAL APPEARANCE.

HARDSCAPE TREATMENT SCHEDULE

SYMBOL	GENERAL NOTES
	5. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
	6. CONTRACTOR TO PROVIDE (1) 10' (L) X 8' (H) WALL MOCK UP FOR ALL TYPES OF FORM LINERS, INCLUDING TRANSITIONS AS WELL AS A 10'X10' MOCK UP FOR EACH COLOR SATURATION TYPE FOR APPROVAL PRIOR TO CONSTRUCTION.
	7. ALL FINISHES NOT INDICATED ON THIS PLAN ARE TO RECEIVE A LIGHT BROOM FINISH FOR SIDEWALKS, AND ARCHITECTURAL GRADE CONCRETE (ALL EXPOSED SURFACES) ON WALLS. CONTRACTOR TO FILL ALL WALL AIR GAP HOLES, AND GROUND SEAMS SMOOTH.
	8. CONCRETE WALL WITH FORM LINER (STONE) FINISH - ALL EXPOSED SURFACES TO RECEIVE FORM LINER AND DESERT VARNISH, UNLESS OTHERWISE NOTED. FORM LINER PATTERNS ARE TO BE CONTINUOUS AROUND ALL CORNERS (HORIZONTAL AS WELL AS VERTICAL) TO CREATE A SEAMLESS PATTERN. CONTRACTOR TO CUT FORM LINERS AT 45 DEGREE ANGLE, OR USE CUSTOM CORNER PIECES. SEE SHEETS L8.01-L8.10 FOR WALL SECTIONS/ELEVATIONS AND DETAIL 'K' SHEET L8.05 FOR FORM LINER INSTALLATION. ALL WALLS TO RECEIVE ONE APPLICATION OF DESERT VARNISH, UNLESS OTHERWISE NOTED, SEE ALSO NOTE #4.
	9. CONCRETE WALL WITH STUCCO FINISH - ALL EXPOSED SURFACES TO RECEIVE FINISH, EXCEPT ON PRECAST CONCRETE CAPS, SEE DETAIL 'J', SHEET L8.06
1	STACKED STONE FORM LINER
2	COBBLE/RIVER ROCK FORM LINER
3	STUCCO FINISH (TO MATCH EXISTING AT SAMMY DAVIS JR. FESTIVAL PLAZA)
4	COMBINATION STACKED STONE OVER COBBLE/RIVER ROCK FORM LINERS. COBBLE/RIVER ROCK TO BE (FROM GRADE) 24" HEIGHT TYPICAL WITH A MAXIMUM HEIGHT OF 30", UNLESS APPROVED BY LANDSCAPE ARCHITECT. STACKED STONE TO BE LOCATED DIRECTLY ABOVE COBBLE/RIVER ROCK, WITH A MINIMUM HEIGHT OF 36" UNLESS APPROVED BY LANDSCAPE ARCHITECT.

RECORD AS-BUILT



0 60' 120' 240'

SCALE: 1" = 60'-0"

NORTH

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 INTERMOUNTAIN ONE-CALL ALERT SYSTEM

REVISIONS

CONSULTANT

LAS VEGAS NV
3191 S. JONES BLVD., LAS VEGAS, NV 89146
T. 702.253.9388 | F. 702.253.1016

CARLSBAD CA
2248 FARADAY AVE. | CARLSBAD, CA 92008

jwzunino.com | (619) 519-1340 | 2 DRAWING SHT. | 1 DOCUMENT SHT.

SAN DIEGO | LOS ANGELES | LAS VEGAS | PHOENIX | CARLSBAD | DENVER | TUCSON | AUSTIN

J W ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
HARDSCAPE TREATMENT PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. LANGHAM
733
Exp. 6/30/12
STATE OF NEVADA

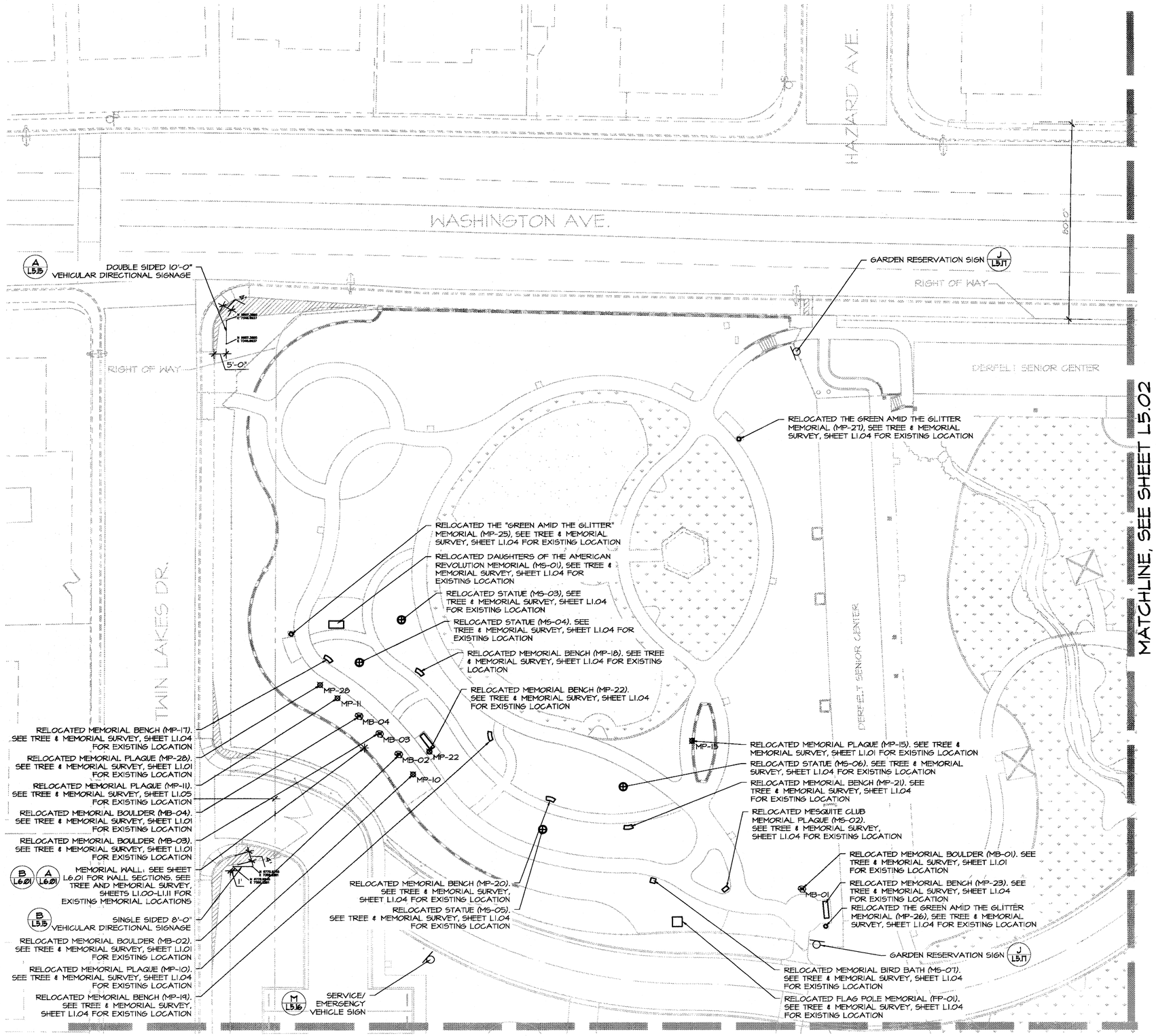
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DRAWN	ME
FILE	B16-Hardscape Treatment Plan
DATE	6/17/2011
SCALE	AS NOTED
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L5.00

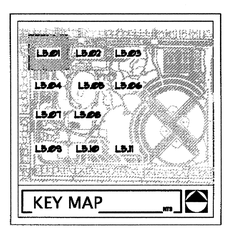
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RECORD AS-BUILT

APPROVED Signature 9.14.16





0 20' 40' 80'

SCALE: 1" = 20'-0"

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LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE SIGNAGE & MEMORIAL PLAN

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STAMP

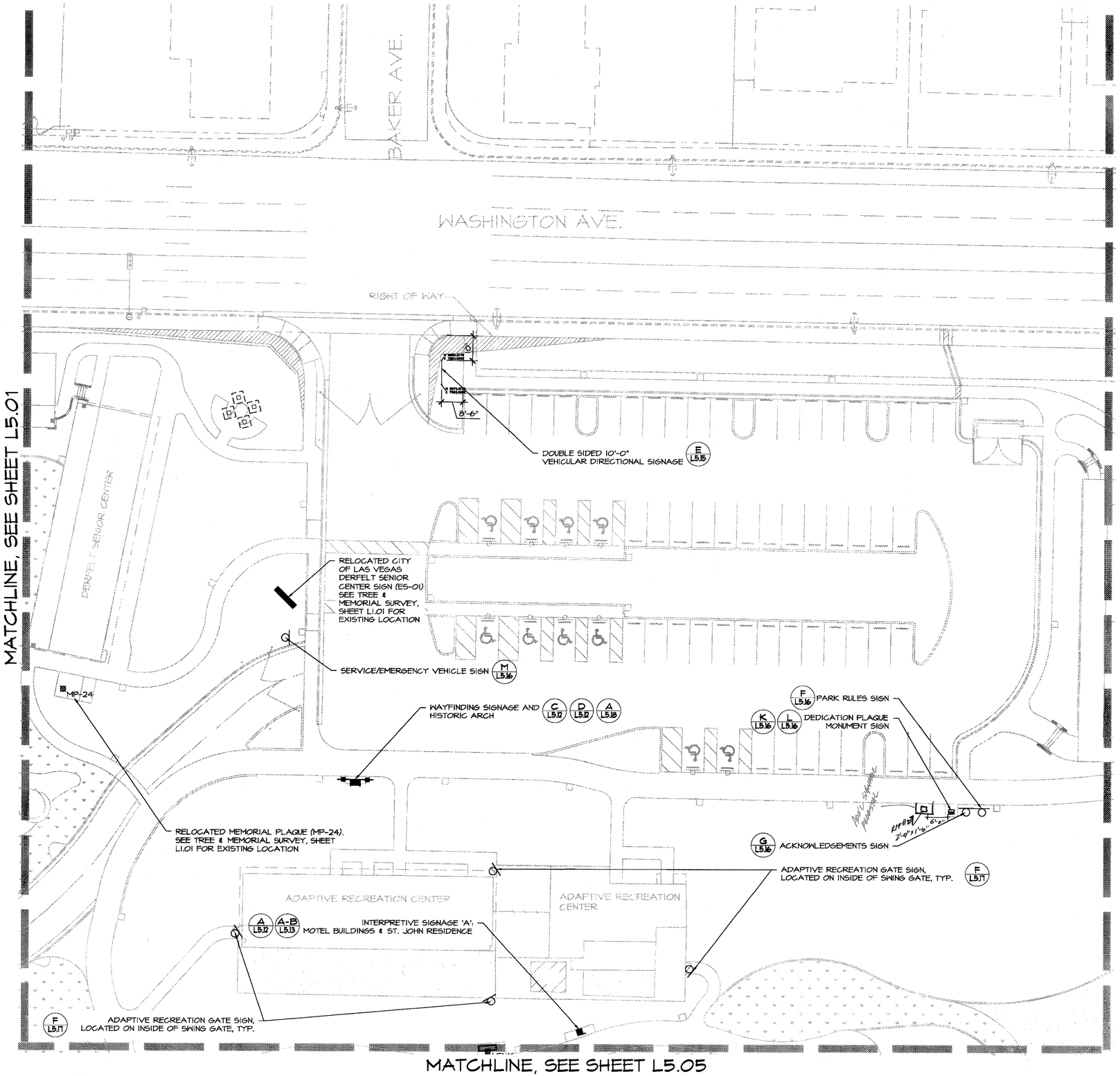
REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER W. NONAM 7338 6.2.11 Expires 6/30/17 STATE OF NEVADA

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DEPARTMENT OF PUBLIC WORKS

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FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CED
FILE	136-SIGN
DATE	6/21/2011
SCALE	1"=20'-0"
BID NO	10.1534104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L5.01

Lorenzi Park-0228.tif
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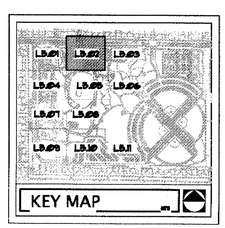


MATCHLINE, SEE SHEET L5.01

MATCHLINE, SEE SHEET L5.03

MATCHLINE, SEE SHEET L5.05

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NORTH

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Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT (USA)

APPROVED
[signature]
CHIEF ENGINEER
9.14.11

6-22-13

RECORD AS-BUILT

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LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE SIGNAGE & MEMORIAL PLAN

STAMP

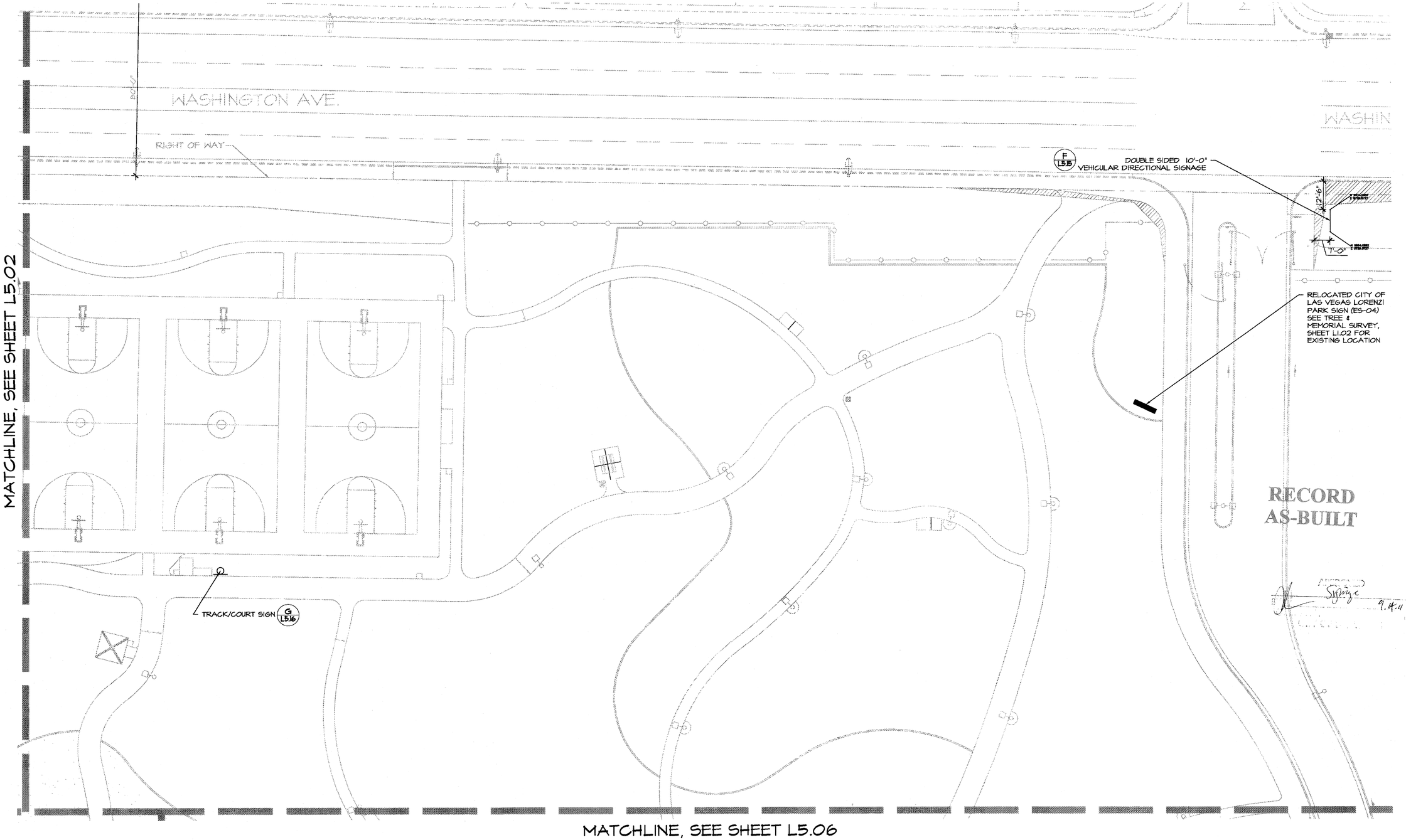
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
2738
9.14.11
Expires 6/30/12
STATE OF NEVADA

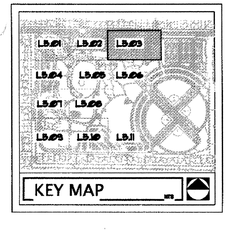
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DRAWN	CEB
FILE	36-SIGN
DATE	9/7/2011
SCALE	1"=20'-0"
BID NO	10.1534104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L5.02

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STAMP

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CHRISTOPHER LANGHAM
1732
Expires 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

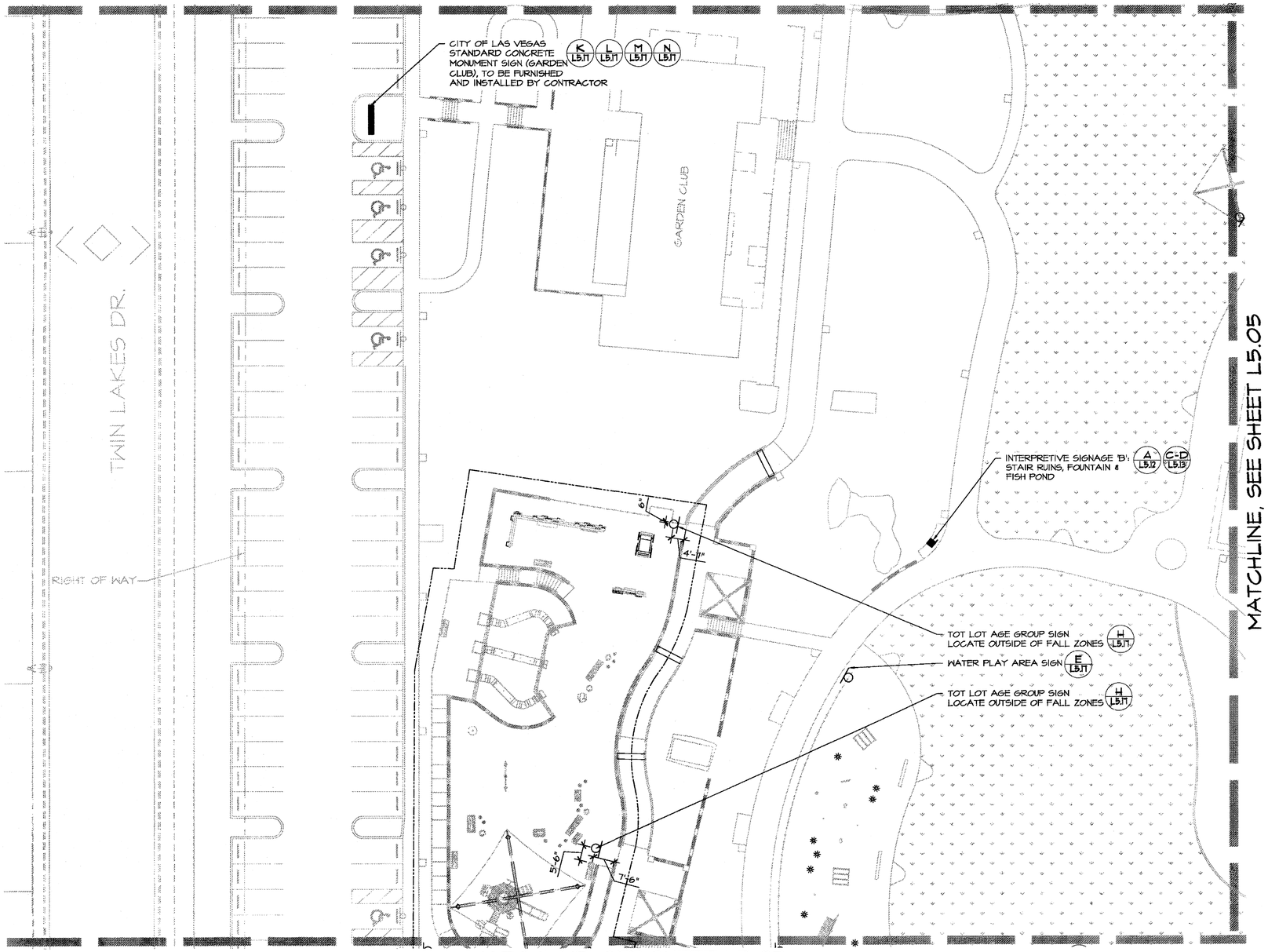
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PHONE: (702) 229-6535
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TDD: (702) 386-9108

DRAWN	CEB
FILE	136-SIGN
DATE	9/21/2011
SCALE	1"=20'-0"
BID NO	10.1534.104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L5.03

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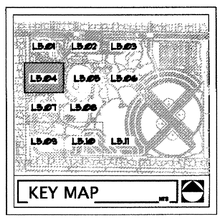


MATCHLINE, SEE SHEET L5.05

MATCHLINE, SEE SHEET L5.07

RECORD AS-BUILT

APPROVED
Signature
9.14.11



0 20' 40' 80'

SCALE: 1" = 20'-0"

NORTH

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STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. LANGHAM
788
Expires 2-28-12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

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LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	L5-SIGN
DATE	9/27/2011
SCALE	1"=20'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L5.04

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MATCHLINE, SEE SHEET L5.02

MATCHLINE, SEE SHEET L5.04

MATCHLINE, SEE SHEET L5.06

MATCHLINE, SEE SHEET L5.08

MP-16

LAKE RULES SIGNAGE (G / L5.11)

HANDICAP PLATFORM RESERVATION SIGN (B / L5.11)

RELOCATED MEMORIAL BENCH (MP-16). SEE TREE & MEMORIAL SURVEY, SHEET L1.08 FOR EXISTING LOCATION

INTERPRETIVE SIGNAGE 'C': MOTEL BUILDINGS, CREEK & FOUNTAIN (A / L5.12) (E-F / L5.13)

BOAT-HOUSE PAVILION SITE SHELTER RESERVATION SIGN AND CARD HOLDER (J / L5.16)

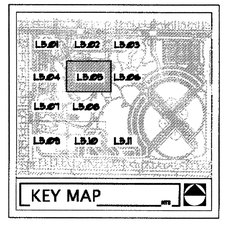
MS-09

RELOCATED PIONEER TRAIL SIGN, (MS-09). SEE TREE & MEMORIAL SURVEY, SHEET L1.08 FOR EXISTING LOCATIONS

INTERPRETIVE SIGNAGE 'D': SITE HISTORY 1912-1932 & PIONEER TRAIL (A / L5.12) (G-H / L5.13)

BOAT HOUSE

RECORD
AS-BUILT



0 20' 40' 80'

SCALE: 1" = 20'-0"

NORTH

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LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE SIGNAGE & MEMORIAL PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
733
Expires: 6/30/17
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-SIGN
DATE	6/27/2016
SCALE	1"=20'-0"
BID NO	10.1534104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L5.05

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MATCHLINE, SEE SHEET L5.03

MATCHLINE, SEE SHEET L5.05

LORENZI PARK PHASE I

LORENZI PARK PHASE I

J L5.16 ADD NEW RESERVATION SIGN & REMOVE EXISTING ARTESIAN PAVILION SITE SHELTER RESERVATION SIGN AND CARD HOLDER

G L5.15 SINGLE SIDED 4'-6" VEHICULAR DIRECTIONAL SIGNAGE

TRAIL HEAD SIGNAGE, REPLACE SIGNAGE AT PHASE I LOCATION H L5.16

TRAIL SIGNAGE, REPLACE SIGNAGE AT PHASE I LOCATION A L5.11

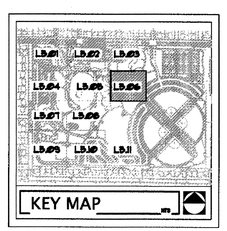
F L5.16 PARK RULES SIGN, REPLACE SIGNAGE AT PHASE I LOCATION

LORENZI PARK PHASE I

B L5.18 C L5.12 D L5.12 WAYFINDING SIGNAGE AND HISTORIC ARCH REPLACE CONCRETE AROUND SIGN UP TO THE NEAREST JOINT

RECORD AS-BUILT

APPROVED
9.19.11



0 20' 40' 80'

SCALE: 1" = 20'-0"

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LANDSCAPE SIGNAGE & MEMORIAL PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANGHAM 733 Expires 6/30/12 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-SIGN
DATE	6/27/2011
SCALE	1"=20'-0"
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L5.06

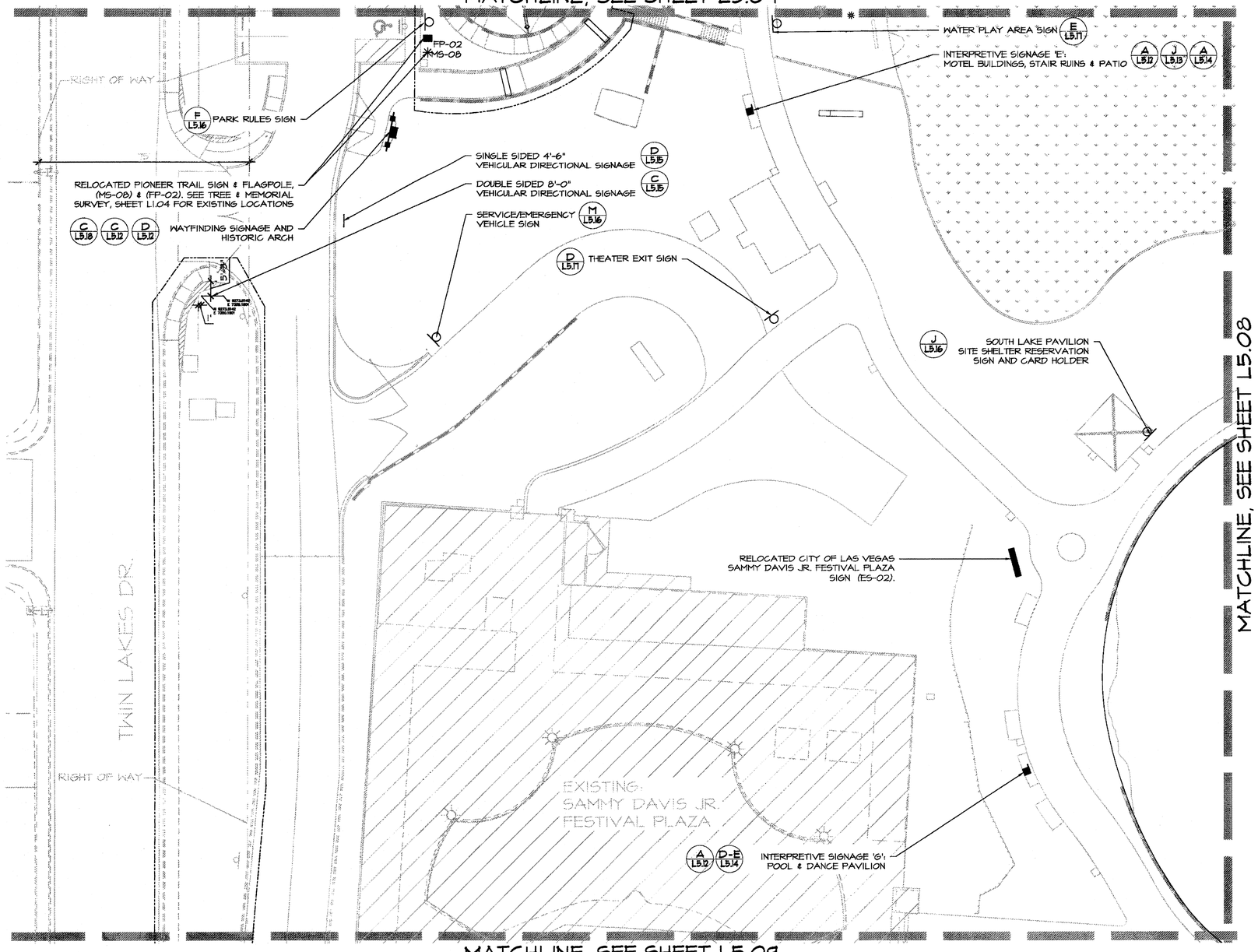
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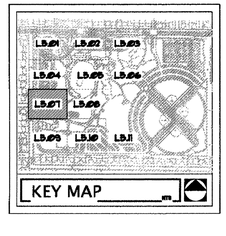
MATCHLINE, SEE SHEET L5.04



MATCHLINE, SEE SHEET L5.08

MATCHLINE, SEE SHEET L5.09

RECORD AS-BUILT



0 20' 40' 80'

SCALE: 1" = 20'-0"

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LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE SIGNAGE & MEMORIAL PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. INGRAM
7391
STATE OF NEVADA
Expires: 6.30.12

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

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LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
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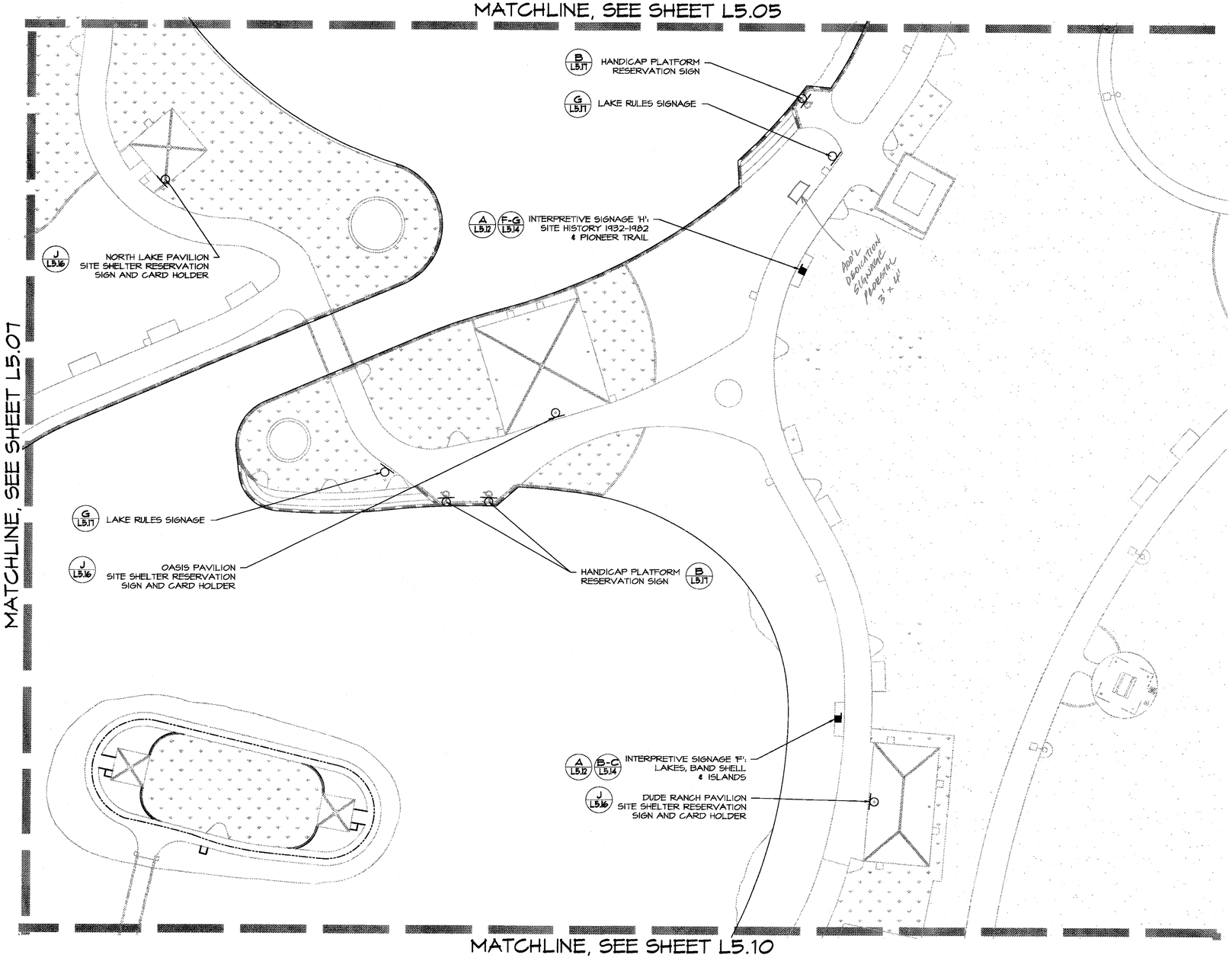
DRAWN	CEB
FILE	L5-SIGN
DATE	6/27/2011
SCALE	1"=20'-0"
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L5.07

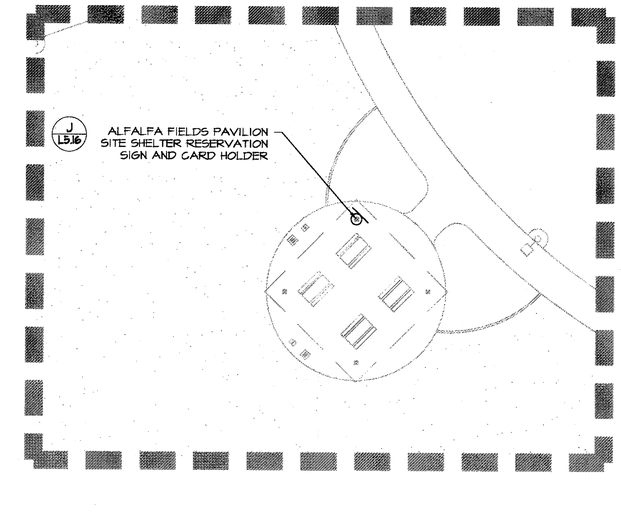
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MATCHLINE, SEE SHEET L5.07



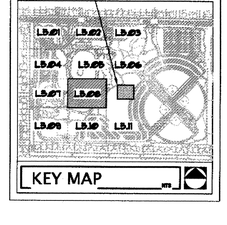


MATCHLINE, SEE SHEET L5.10

RECORD AS-BUILT

APPROVED
9.14.11
CITY OF LAS VEGAS

SEE VIEWPORT THIS SHEET (RIGHT)



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NORTH

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PHASE 2
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REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER J. KINGMAN 7331 Expires 6.30.12 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-DSGN
DATE	6/17/2011
SCALE	1"=20'-0"
BID NO	10.1534104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L5.08

Lorenzi Park_0235.lif
PRINTED ON RECYCLED PAPER

MATCHLINE, SEE SHEET L5.07

EXISTING:
SAMMY DAVIS JR.
FESTIVAL PLAZA

CITY OF LAS VEGAS SAMMY DAVIS JR.
FESTIVAL PLAZA SIGN (ES-03).
PRESERVE AND PROTECT IN PLACE

MATCHLINE, SEE SHEET L5.10

EXISTING:
NEVADA STATE
MUSEUM

TWIN LAKES DR.

RIGHT OF WAY

RECORD
AS-BUILT

Signage 7.14.17

KEY MAP

0 20' 40' 80'

SCALE: 1" = 20'-0"

NORTH

Call before you OVERHEAD 1-702-221-2929 "NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT"

Call before you Dig. CALL 811 "UNDERGROUND SERVICE ALERT (USA)"

REVISIONS

CONSULTANT

L A S V E G A S, N V
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T 702.253.9380 | F 702.253.1016

C A R L S B A D, C A
2298 FARADAY AVE. | CARLSBAD, CA 92008

jwzunino.com

NV #1061 | UT #10324 | AZ #33161 | CA #3781 | TX #1138

J W Z U N I N O
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE SIGNAGE & MEMORIAL PLAN

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LONGMAN
7838
Expires: 6.30.17
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-SIGN
DATE	6/27/2017
SCALE	1"=20'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L5.09

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Lorenzi Park-0236.tif

MATCHLINE, SEE SHEET L5.08

LAKE RULES SIGNAGE (G / L5.11)

WAYFINDING SIGNAGE AND HISTORIC ARCH (C / L5.12) (D / L5.12) (D / L5.13)

PARK RULES SIGN (F / L5.16)

MATCHLINE, SEE SHEET L5.09

MATCHLINE, SEE SHEET L5.11

EXISTING:
NEVADA STATE
MUSEUM

(H / L5.15) DOUBLE SIDED 4'-6" VEHICULAR DIRECTIONAL SIGNAGE

RECORD
AS-BUILT

KEY MAP

0 20' 40' 80'

SCALE: 1" = 20'-0"

NORTH

Call before you OVERHEAD 1-702-227-2929 (NEVADA POWER DISTRIBUTION AND SAFETY SERVICES DEPARTMENT)

Call before you Dig. CALL 811 (UNDERGROUND SERVICE ALERT SAA)

REVISIONS

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T 702.253.9388 F 702.253.1818

CARLSBAD CA
2248 FARADAY AVE. | CARLSBAD, CA 92008

JWZUNINO
LANDSCAPE ARCHITECTURE

jwzunino.com | NV #161 LT #2884 | AZ #33314 | CA #2738 | TX #1738

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
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STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
7838
Expires 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	36-SIGN
DATE	6/7/2011
SCALE	1"=20'-0"
BID NO	10.1534104
CLV DWG NO	650.19-47-2
JWA/SEN NO	33039
SHT NO	L5.10

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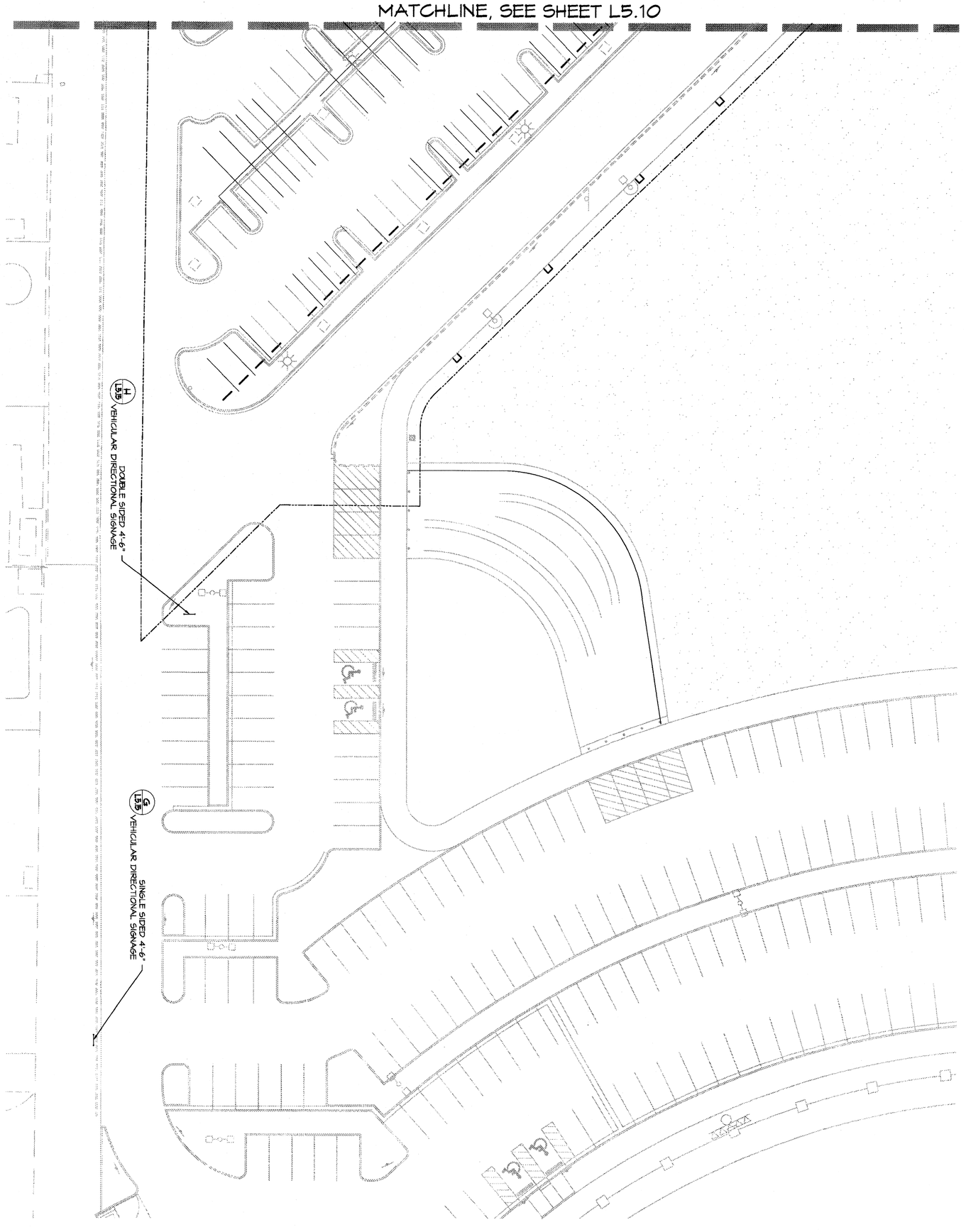
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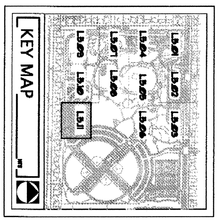
Lorenzi Park-0237.dgn

Lorenzi Park 0238.tif

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MATCHLINE, SEE SHEET L5.10





NORTH

SCALE: 1" = 20'-0"

0 20' 40' 80'

RECORD AS-BUILT

Call before you OVERHEAD 1-702-227-2924

Call before you Dig. CALL 811

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 E. STEWART AVENUE
LAS VEGAS, NV 89101
PHONE: (702) 229-6235
TDD: (702) 386-9108

DRAWN: CB
FILE: 06-16EN
DATE: 9/7/2016
SCALE: 1"=20'-0"
BID ID: 10153404
CITY CHECK: 650919-41-2
AGENDA NO: 33039
SHT NO: L5.11

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER E. BENSHOOF
No. 738
STATE OF NEVADA

STAMP

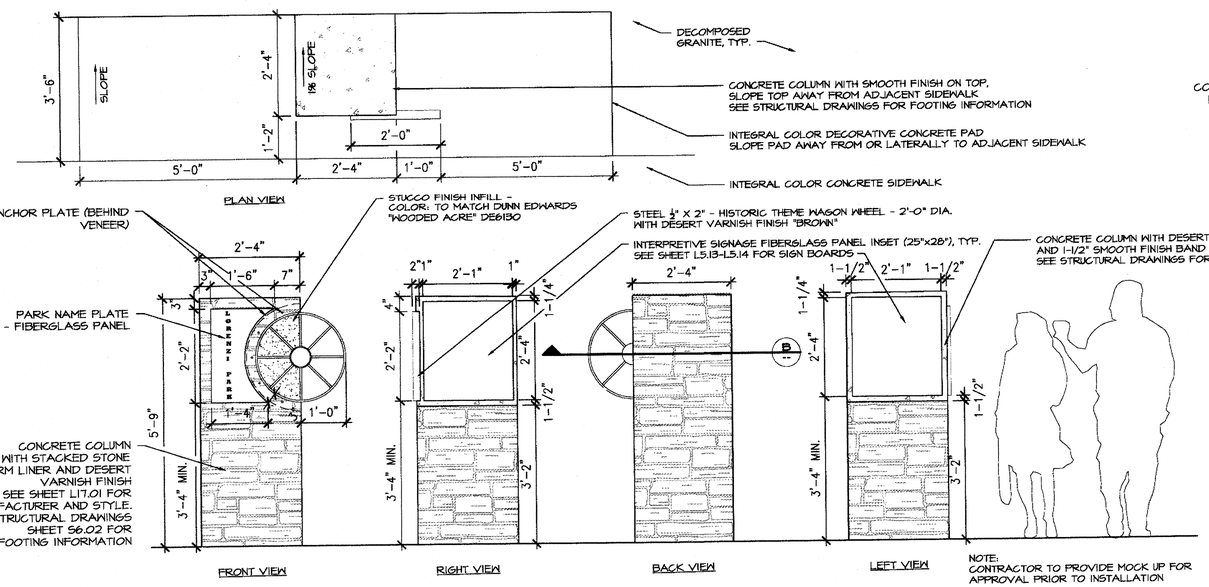
LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
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LANDSCAPE SIGNAGE & MEMORIAL PLAN

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JWZUNINO
LANDSCAPE ARCHITECTURE
jwzuninco.com
NV #1100 | UT #26304 | NM #292 | AZ #33184 | CA #2739 | TX #1736

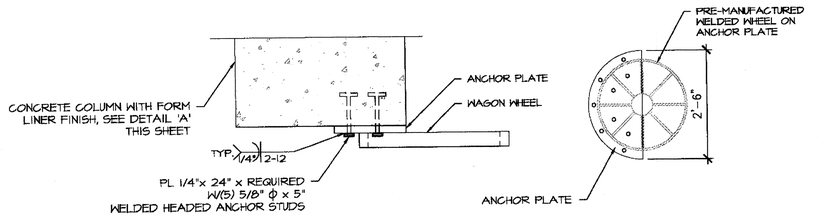
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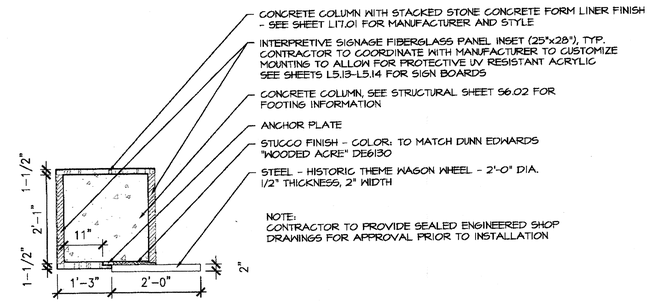


A P.54 **INTERPRETIVE SIGNAGE - COLUMN OPTION**

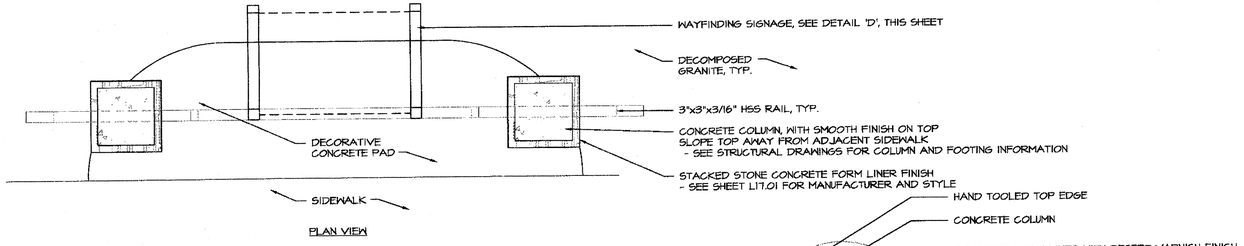


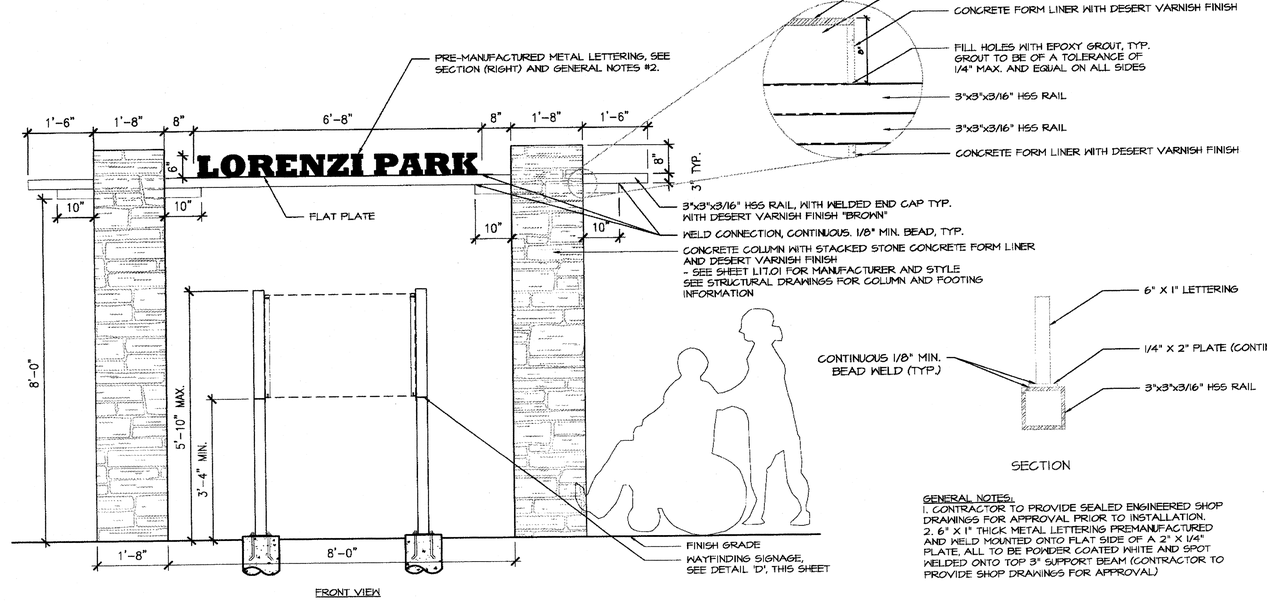
ANCHOR PLATE CONNECTION
N.T.S.

ANCHOR PLATE CONNECTION



B P.54 **INTERPRETIVE SIGNAGE - SECTION**

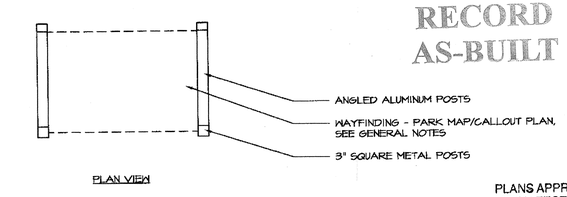




GENERAL NOTES:
1. CONTRACTOR TO PROVIDE SEALED ENGINEERED SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.
2. 6" X 1" THICK METAL LETTERING PREMANUFACTURED AND WELD MOUNTED ONTO FLAT SIDE OF A 2" X 1/4" PLATE, ALL TO BE POWDER COATED WHITE AND SPOT WELDED ONTO TOP 3" SUPPORT BEAM (CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL)

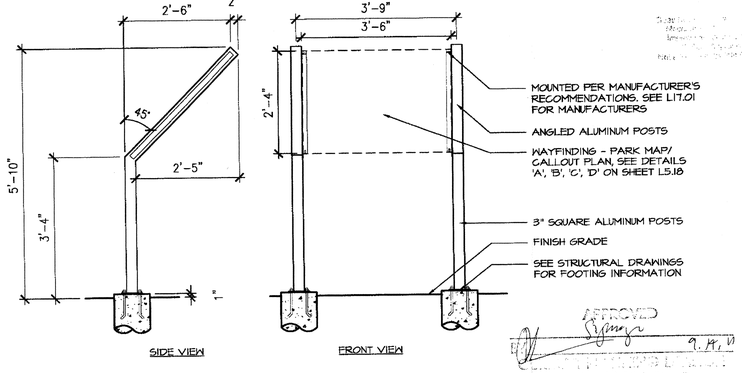
C P.54 **WAYFINDING - HISTORIC ARCH OPTION**

GENERAL NOTES:
1. 1/8" THICK EMBEDDED FIBERGLASS PANEL W/ 1/8" THICK PLEXI GLASS UV RESISTANT AND FADE RESISTANT
2. SIGNS TO BE MOUNTED AS PER DETAIL 'D', USING FOSSIL'S CUSTOM "CANTILEVERED" MOUNTING SYSTEM OR APPROVED EQUAL. CONTRACTOR TO COORDINATE WITH MANUFACTURER TO CUSTOMIZE MOUNTING TO ALLOW FOR PROTECTIVE PLEXIGLASS.
3. PANEL FRAME SYSTEM IS TO BE ALUMINUM, TEXTURED FINISH, AND DARK BROWN IN COLOR.
4. CONTRACTOR IS TO PROVIDE OWNER WITH 3 REPLACEMENT SIGN PANELS OF EACH DESIGN.
5. SEE SHEET L17.01 FOR MANUFACTURERS
6. CONTRACTOR WILL BE PROVIDED WITH ELECTRONIC IMAGE FILES, SEE SPECIFICATIONS
7. SEE STRUCTURAL DRAWINGS FOR FOOTING INFORMATION.



RECORD AS-BUILT

PLANS APPROVED
ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas
DATE SEP 06 2011
Subject to Inspection, Corrections Required, Off Site Signage Not Approved, Permits Required, Ordinance



D P.54 **WAYFINDING - SIGNAGE**

APPROVED
Signage
9.14.11
CITY SERVICES

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T 702.253.9338 | F 702.253.1115
C A R L S B A D C A
2268 FARADAY AVE. | CARLSBAD, CA 92008
jwzuninio.com | UT #7351610-5301 | CONNECTICUT | COMMERCIAL | NV #1061 | UT #9884 | AZ #33136 | CA #3733 | TX #1728
J W ZUNINO
LANDSCAPE ARCHITECTURE

REVISIONS

CONSULTANT

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE SIGNAGE DETAILS

STAMP

REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANDMAN 733 STATE OF NEVADA Expires 6/30/12

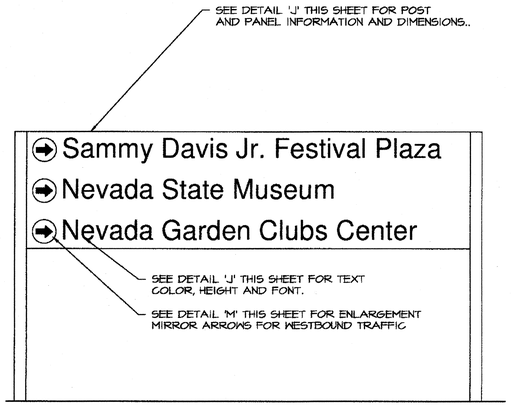
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
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TDD: (702) 386-9108

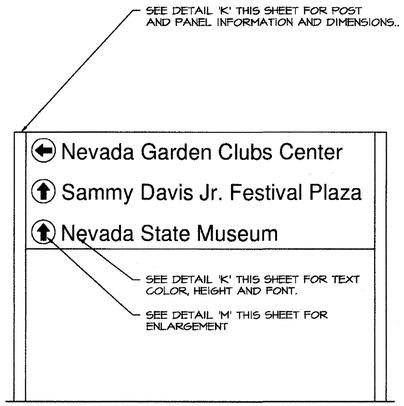
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FILE	136-SIGN
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L5.12

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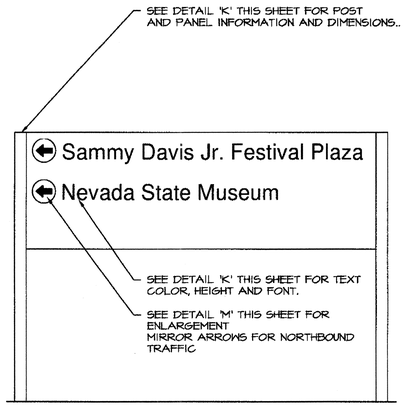
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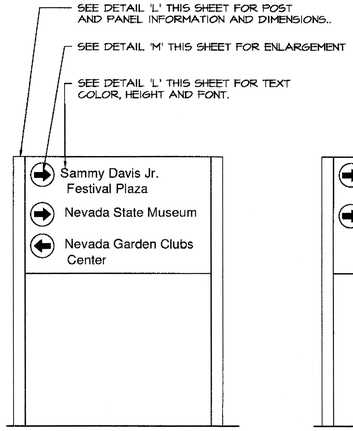
A **VEHICULAR DIRECTIONAL SIGNAGE**
CORNER OF WASHINGTON AND TWIN LAKES - EASTBOUND



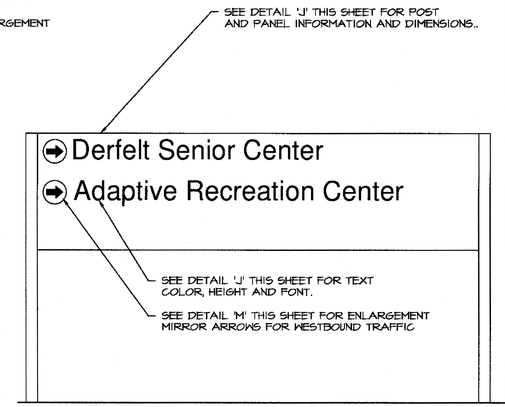
B **VEHICULAR DIRECTIONAL SIGNAGE**
TWIN LAKES DR. - NORTH ENTRANCE



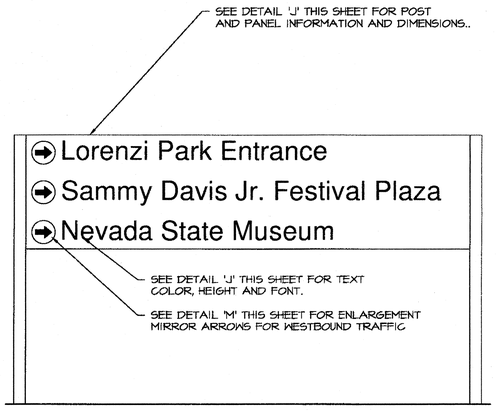
C **VEHICULAR DIRECTIONAL SIGNAGE**
TWIN LAKES - SOUTH ENTRANCE



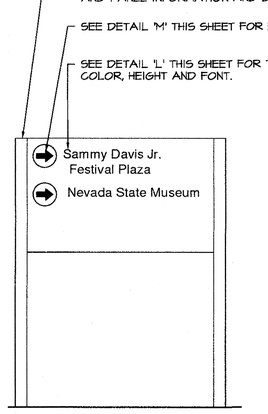
D **VEHICULAR DIRECTIONAL SIGNAGE**
INTERIOR AT TWIN LAKES - SOUTH ENTRANCE



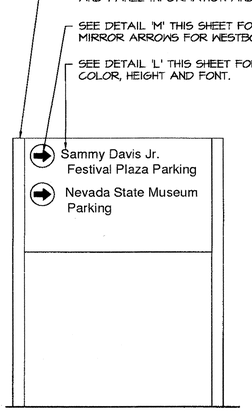
E **VEHICULAR DIRECTIONAL SIGNAGE**
WASHINGTON - WEST ENTRANCE



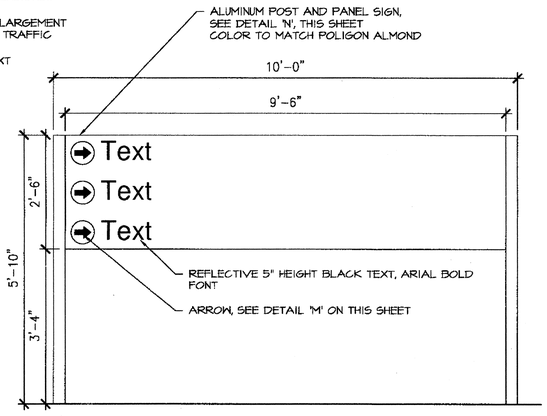
F **VEHICULAR DIRECTIONAL SIGNAGE**
WASHINGTON - EAST ENTRANCE



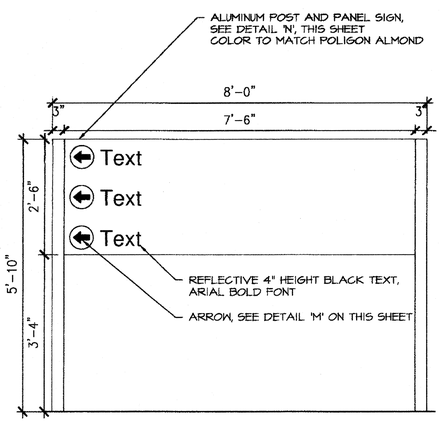
G **VEHICULAR DIRECTIONAL SIGNAGE**
INTERIOR AT BASEBALL FIELDS



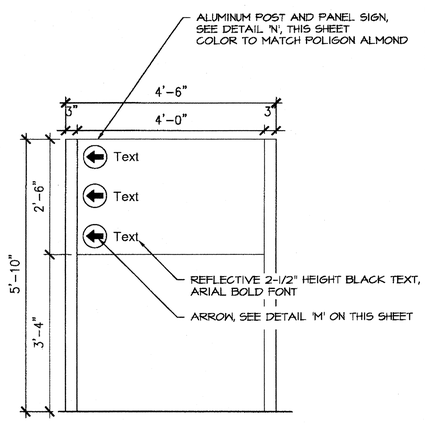
H **VEHICULAR DIRECTIONAL SIGNAGE**
INTERIOR AT PARKING LOT



J **10'-0" HORIZONTAL SIGNAGE**

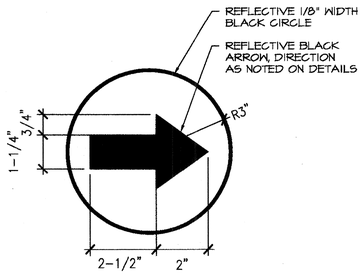


K **8'-0" HORIZONTAL SIGNAGE**



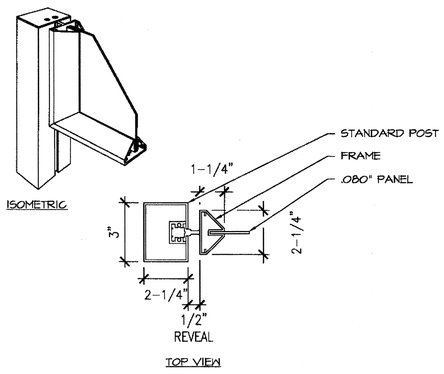
L **4'-6" HORIZONTAL SIGNAGE**

GENERAL NOTES:
1. ALUMINUM SIGNS (THICKNESS .080")
HIGH INTENSITY GRADE, OR EQUAL BACKGROUND (ENCAPSULATED LENS RETRO-REFLECTIVE SHEETING)
2. SILK-SCREEN APPLIED COLOR OVER BACKGROUND MATERIAL.
3. PROVIDE UV INHIBITORS IN COLOR.
4. PROVIDE 3M SCOTCHLITE PROTECTIVE OVERLAY FILM SERIES 1150.



M **ARROW ENLARGEMENT**

GENERAL NOTES:
1. ALUMINUM SIGNS (THICKNESS .080")
HIGH INTENSITY GRADE, OR EQUAL BACKGROUND (ENCAPSULATED LENS RETRO-REFLECTIVE SHEETING)
2. SILK-SCREEN APPLIED COLOR OVER BACKGROUND MATERIAL.
3. PROVIDE UV INHIBITORS IN COLOR.
4. PROVIDE 3M SCOTCHLITE PROTECTIVE OVERLAY FILM SERIES 1150.



N **ALUMINUM POST AND PANEL**

RECORD AS-BUILT

PLANS APPROVED
ARCHITECTURAL
SEP 06 2011

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2248 FARADAY AVE. | CARLSBAD, CA 92008

jzuninc.com | phone 760.931.7700 | facsimile 760.931.8810
NV #1160 | UT #10544-5501 | AZ #ROC 291584 | CA #27281 | TX #11788

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LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE SIGNAGE DETAILS

STAMP

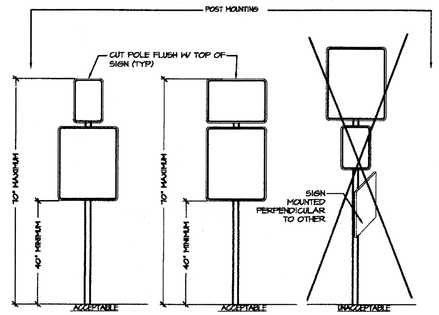
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER L. LANGHAM
736
Expires: 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-3232
TDD: (702) 386-9108

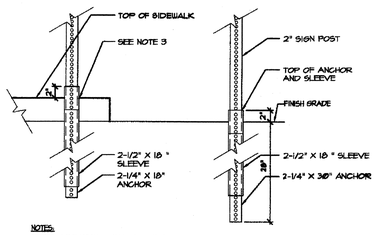
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FILE	L36-SIGN
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SCALE	AS NOTED
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L5.15

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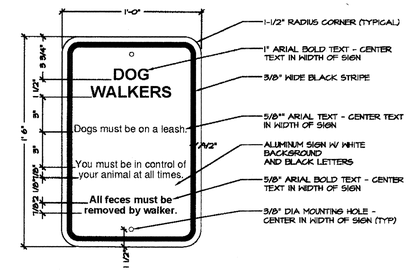
1. SIGNS ATTACHED TO FENCE SHALL BE LEFT SIDE JUSTIFIED WITH EACH OTHER.
2. SIGNS MOUNTED ON GATES SHALL BE CENTERED ON WIDTH OF GATE.
3. NO POST MOUNTED SIGNS SHALL BE INSTALLED PERPENDICULAR TO EACH OTHER.
4. SIGNS MOUNTED BACK TO BACK MUST BE THE SAME SIZE AND ORIENTATION.

A P1-8 **TYPICAL MOUNTING**

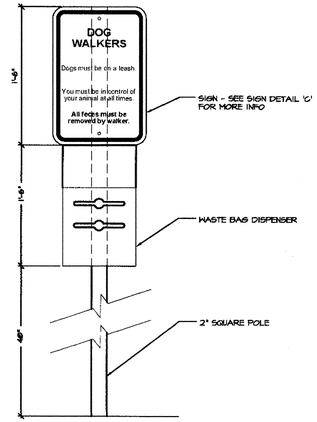


NOTES:
1. ALL COMPONENTS SHALL BE SQUARE POST, PERFORATED ON ALL FOUR SIDES.
2. ATTACH ANCHOR AND SLEEVE TOGETHER PRIOR TO DRIVING INTO GROUND. LEAVE AT LEAST ONE HOLE, BUT NO MORE THAN TWO, ABOVE GROUND OR ABOVE SIDEWALK.
3. FOR SIDEWALK INSTALLATION, DRILL SIDEWALK WITH A 3" HOLE, THE CENTER TO BE 6" FROM BACK OF SIDEWALK.
4. ATTACH POST TO ANCHORING SYSTEM BY USING AT LEAST TWO 3/8" DIA DRIVE RIVETS.
5. PROVIDE 4" MINIMUM LAP BETWEEN POST AND THE ANCHOR/SLEEVE ASSEMBLY.

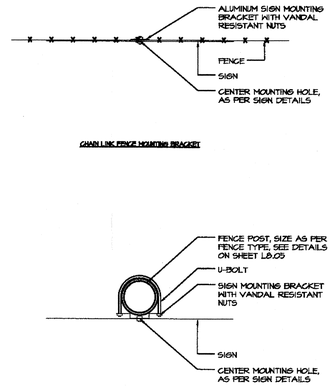
B P1-8 **SIGN POST INSTALLATION**



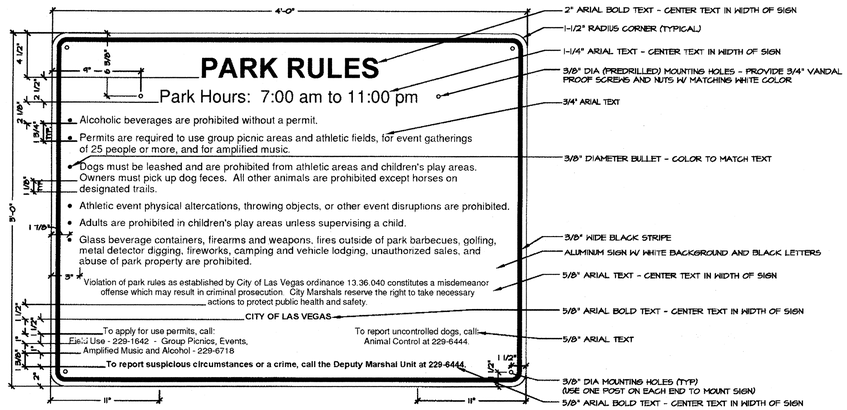
C P1-8 **DOG SIGN**



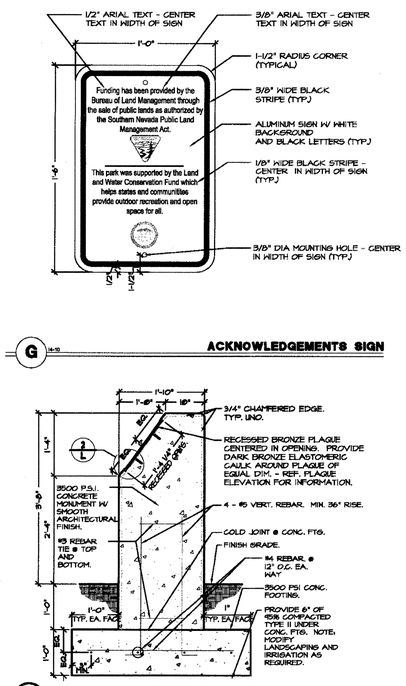
D P1-8 **SIGN WITH WASTE BAG DISPENSING MOUNT**



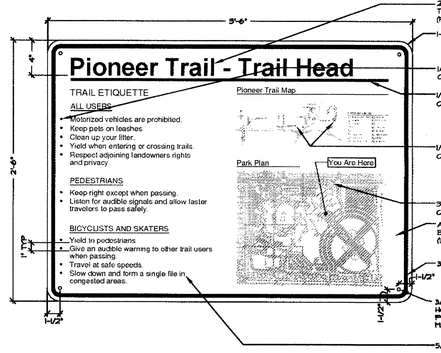
E **SIGN MOUNTING BRACKETS**



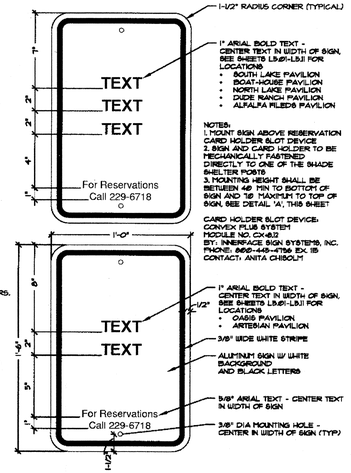
F P1-8 **PARK RULES SIGN**



G P1-10 **ACKNOWLEDGEMENTS SIGN**

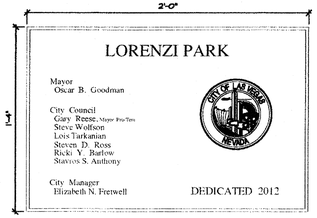


H P1-10 **TRAIL HEAD SIGNAGE**

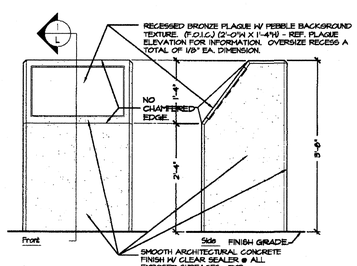


J P1-10 **SITE SHELTER RESERVATION SIGNS**

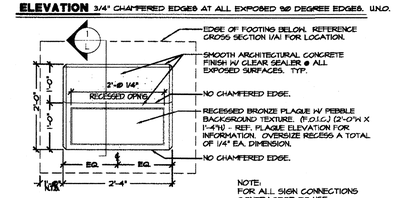
NOTE:
1. NAMES, DATE AND LOGO TO BE VERIFIED (AND CHANGED IF NEEDED) AT TIME OF ORDERING.
2. OWNER FURNISHED AND CONTRACTOR INSTALLED



K P1-10 **STANDARD DEDICATION PLAQUE**



ELEVATION 3/4" CHAMFERED EDGES AT ALL EXPOSED 90 DEGREE EDGES. U.N.O.

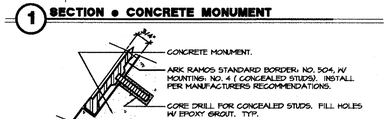


NOTE,
FOR ALL SIGN CONNECTIONS CONTRACTOR TO USE VANDAL PROOF SCREWS AND NUTS.

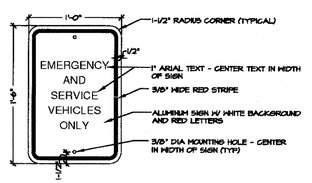
PLAN VIEW 3/4" CHAMFERED EDGES AT ALL EXPOSED 90 DEGREE EDGES. U.N.O.

L P1-9 **PLAQUE MONUMENT SIGN**

1 P1-10 **SECTION @ CONCRETE MONUMENT**



2 P1-10 **RECESSED EDGE @ BRONZE PLAQUE**



M **SERVICE/EMERGENCY VEHICLE SIGNAGE**

NON-VEHICULAR SIGNAGE

-ALUMINUM SIGNS (THICKNESS .080")
-ENGINEERED WHITE SHEETING BACKGROUND
- SILK-SCREEN APPLIED COLOR OVER BACKGROUND MATERIAL. INK SHALL HAVE A LIGHT FASTNESS RATING OF 7-8 ON THE DIN 16525 (WOOL SCALE) OR EQUIVALENT INDUSTRY STANDARD, AND MUST BE ABLE TO WITHSTAND 375 DEGREES FAHRENHEIT (190 DEGREES CELSIUS) WITHOUT NOTICEABLE CHANGE OF PIGMENTATION. INKS SHALL BE FORMULATED USING A COMPUTER COLORIMETRY SYSTEM AND SHALL BE MATCHED WITH A TOLERANCE OF +/- 01 GRAMMES.)
-PROVIDE UV INHIBITORS IN COLOR.
-PROVIDE 3M SCOTCHLITE PROTECTIVE OVERLAY FILM SERIES 1150
-REFERENCE SIGN DRAWINGS FOR HOLE LOCATIONS

VEHICULAR SIGNAGE

-ALUMINUM SIGNS (THICKNESS .080")
-HIGH INTENSITY GRADE, OR EQUAL BACKGROUND (ENCAPSULATED LENS RETRO-REFLECTED SHEETING)
- SILK-SCREEN APPLIED COLOR OVER BACKGROUND MATERIAL. INK SHALL HAVE A LIGHT FASTNESS RATING OF 7-8 ON THE DIN 16525 (WOOL SCALE) OR EQUIVALENT INDUSTRY STANDARD, AND MUST BE ABLE TO WITHSTAND 375 DEGREES FAHRENHEIT (190 DEGREES CELSIUS) WITHOUT NOTICEABLE CHANGE OF PIGMENTATION. INKS SHALL BE FORMULATED USING A COMPUTER COLORIMETRY SYSTEM AND SHALL BE MATCHED WITH A TOLERANCE OF +/- 01 GRAMMES.)
-PROVIDE UV INHIBITORS IN COLOR.
-PROVIDE 3M SCOTCHLITE PROTECTIVE OVERLAY FILM SERIES 1150
-REFERENCE SIGN DRAWINGS FOR HOLE LOCATIONS

PLANS APPROVED
ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas, Nevada
SEP 06 2011

RECORD AS-BUILT

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REVISIONS

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jwzunino.com | jwz@cox.net | 760.438.7276 | NV #100 | UT #282564 | NM #280 | AZ #21244 | CA #2726 | TX #1726

JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE SIGNAGE DETAILS

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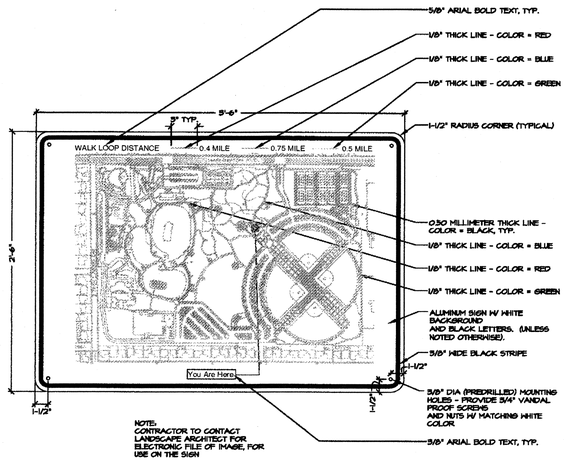
STAMP

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CHRISTOPHER LANGHAM
739
Expires 6/30/12
STATE OF NEVADA

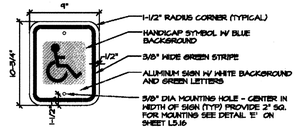
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
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TDD: (702) 386-9108

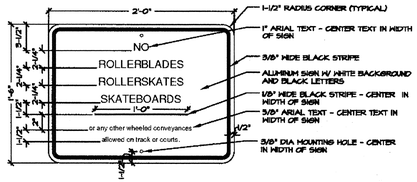
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KLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L5.16



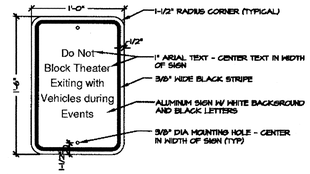
A TRAIL WALKING LOOP SIGNAGE



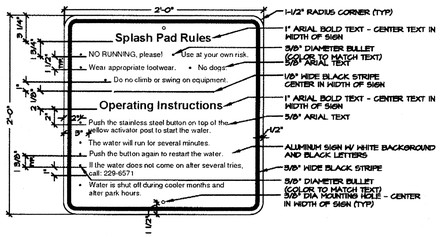
B HANDICAP PLATFORM RESERVATION SIGN



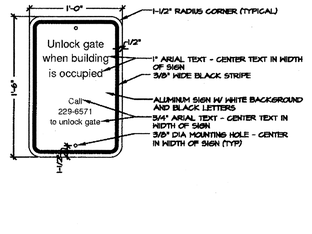
C TRACK/COURT SIGN



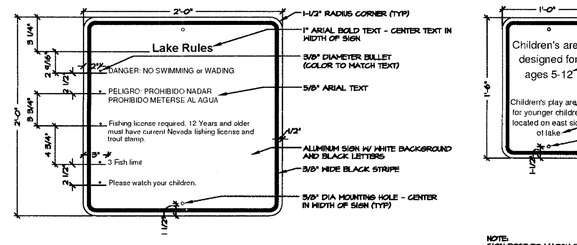
D THEATER EXIT SIGN



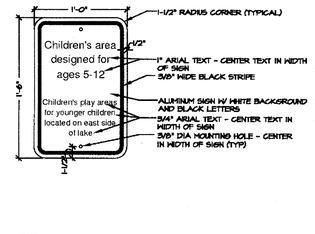
E WATER PLAY AREA SIGN



F ADAPTIVE RECREATION GATE SIGN

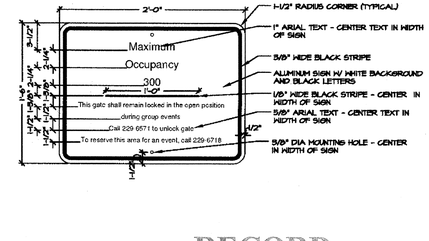


G LAKE RULES SIGNAGE



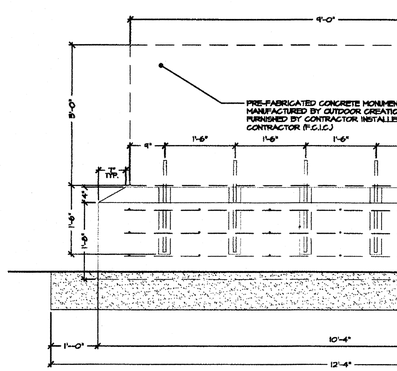
NOTE:
SIGN POST TO MATCH STYLE, FINISH AND COLOR OF ADJACENT CHILDREN'S PLAY AREA FENCE

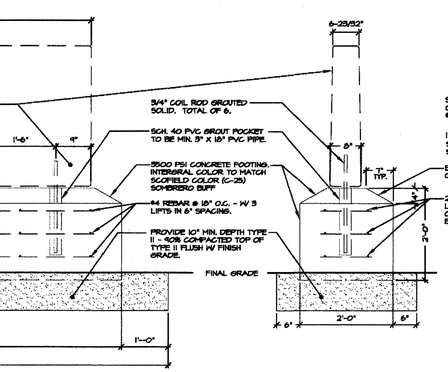
H TOT LOT AGE GROUP SIGNAGE



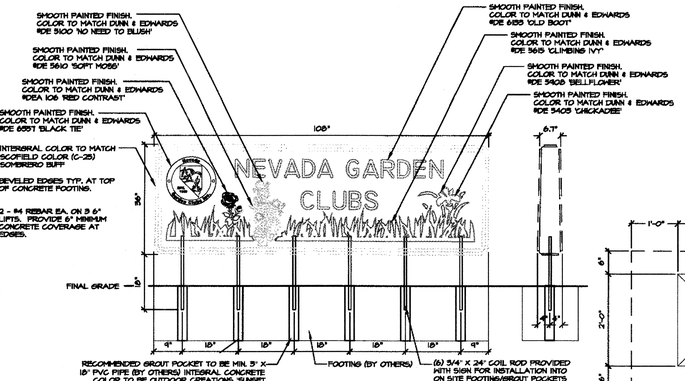
J GARDEN RESERVATION SIGN

RECORD AS-BUILT

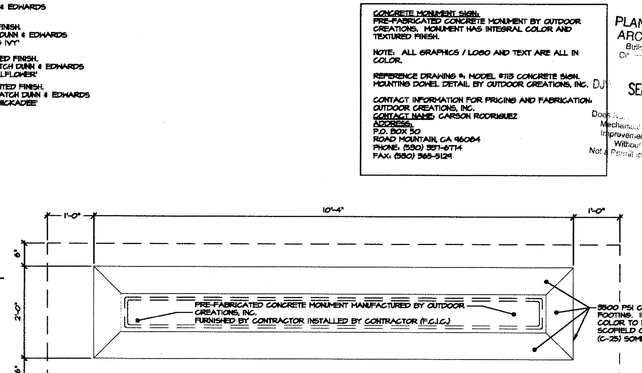




K MONUMENT SIGN - ELEVATION



L MONUMENT SIGN - SECTION



M MONUMENT SIGN - MOUNTING DOWEL DETAIL

N MONUMENT SIGN - PLAN

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REVISIONS

CONSULTANT

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J.W. ZUNINO
LANDSCAPE ARCHITECTURE
jwzuninc.com | Las Vegas | Carlsbad
NV #1461 | UT #10264 | NM #282 | AZ #32104 | CA #2738 | TX #1736

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE SIGNAGE DETAILS

STAMP
REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LINDAM 783 Expires 6/30/12 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

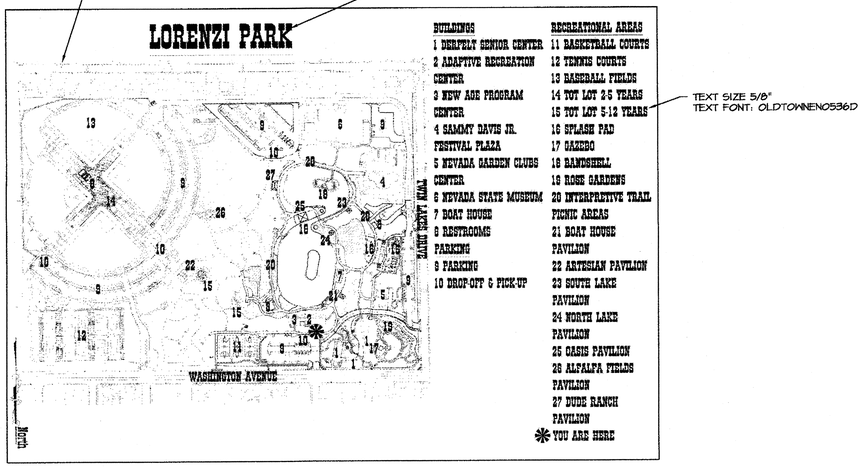
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-SIGN
DATE	6/17/2011
SCALE	AS NOTED
BID NO	10.1534104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L5.17

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RENDERED SITE PLAN, SEE NOTE #6, TYP.

TEXT SIZE 1-1/2"
TEXT FONT: OLDTOWNENO536D



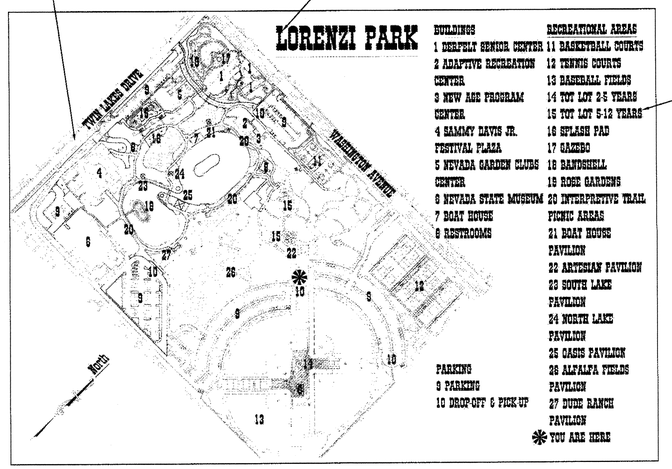
BUILDINGS	RECREATIONAL AREAS
1 DERFELT SENIOR CENTER	11 BASKETBALL COURTS
2 ADAPTIVE RECREATION CENTER	12 TENNIS COURTS
3 NEW AGE PROGRAM CENTER	13 BASEBALL FIELDS
4 SAMMY DAVIS JR. FESTIVAL PLAZA	14 TOT LOT 2-5 YEARS
5 NEVADA GARDEN CLUBS CENTER	15 TOT LOT 5-12 YEARS
6 NEVADA STATE MUSEUM	16 SPLASH PAD
7 BOAT HOUSE	17 GAZEBO
8 RESTROOMS	18 BANDSHELL
PARKING	19 ROSE GARDENS
9 PARKING	20 INTERPRETIVE TRAIL
10 DROP-OFF & PICK-UP	PICNIC AREAS
	21 BOAT HOUSE PAVILION
	22 ARTESIAN PAVILION
	23 SOUTH LAKE PAVILION
	24 NORTH LAKE PAVILION
	25 OASIS PAVILION
	26 ALFALFA FIELDS PAVILION
	27 DUDE RANCH PAVILION
	✻ YOU ARE HERE

TEXT SIZE 5/8"
TEXT FONT: OLDTOWNENO536D

A — WAYFINDING - GRAPHIC
AT ADAPTIVE REC. CENTER/DERFELT SENIOR CENTER PARKING

RENDERED SITE PLAN, SEE NOTE #6, TYP.

TEXT SIZE 1-1/2"
TEXT FONT: OLDTOWNENO536D



BUILDINGS	RECREATIONAL AREAS
1 DERFELT SENIOR CENTER	11 BASKETBALL COURTS
2 ADAPTIVE RECREATION CENTER	12 TENNIS COURTS
3 NEW AGE PROGRAM CENTER	13 BASEBALL FIELDS
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	24 NORTH LAKE PAVILION
	25 OASIS PAVILION
	26 ALFALFA FIELDS PAVILION
	27 DUDE RANCH PAVILION
	✻ YOU ARE HERE

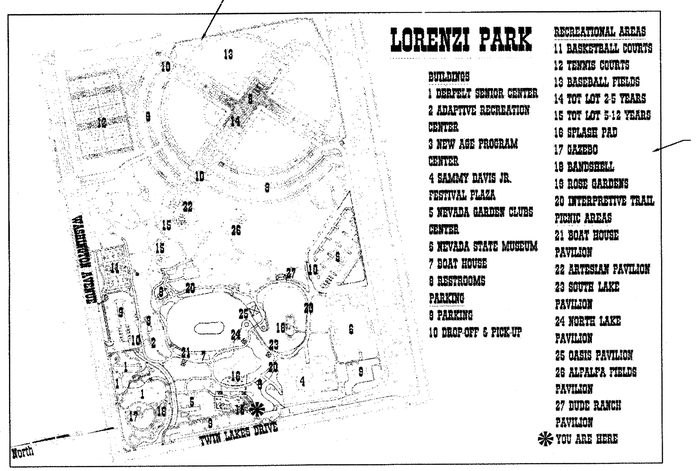
TEXT SIZE 5/8"
TEXT FONT: OLDTOWNENO536D

B — WAYFINDING - GRAPHIC
AT PHASE 1 VEHICLE DROP-OFF

GENERAL NOTES:
1. 1/8" THICK EMBEDDED FIBERGLASS PANEL W/ 1/8" THICK PLEXI GLASS UV RESISTANT AND FADE RESISTANT
2. CONTRACTOR TO COORDINATE WITH MANUFACTURER TO CUSTOMIZE MOUNTING TO ALLOW FOR PROTECTIVE PLEXIGLASS.
3. CONTRACTOR IS TO PROVIDE OWNER WITH 3 REPLACEMENT SIGN PANELS OF EACH DESIGN.
4. SEE DETAIL 'D' SHEET L5.12 FOR DIMENSIONS, MOUNTING AND SIGNAGE COLUMN INFORMATION.
5. SEE SHEET L17.01-L17.02 FOR MANUFACTURERS
6. CONTRACTOR WILL BE PROVIDED WITH FULL COLOR RENDERED ELECTRONIC IMAGE FILES AT TIME OF CONSTRUCTION, SEE SPECIFICATIONS 10 14 23
7. SEE STRUCTURAL SHEET S6.02 FOR FOOTING INFORMATION.

RENDERED SITE PLAN, SEE NOTE #6, TYP.

TEXT SIZE 1-1/2"
TEXT FONT: OLDTOWNENO536D



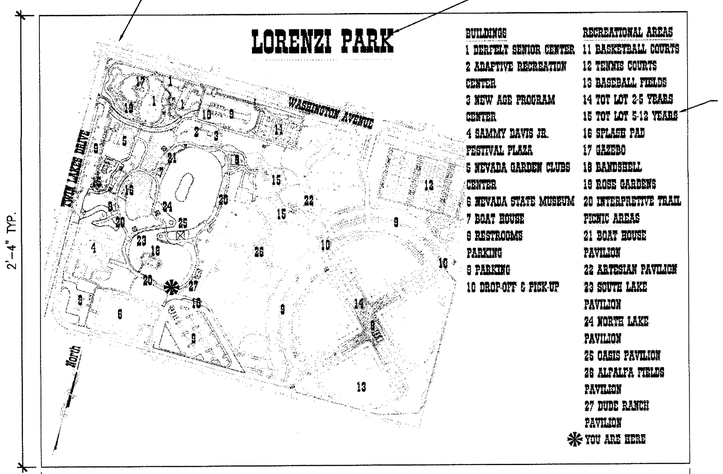
BUILDINGS	RECREATIONAL AREAS
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	26 ALFALFA FIELDS PAVILION
	27 DUDE RANCH PAVILION
	✻ YOU ARE HERE

TEXT SIZE 5/8"
TEXT FONT: OLDTOWNENO536D

C — WAYFINDING - GRAPHIC
AT TOT-LOT PARKING

RENDERED SITE PLAN, SEE NOTE #6, TYP.

TEXT SIZE 1-1/2"
TEXT FONT: OLDTOWNENO536D



BUILDINGS	RECREATIONAL AREAS
1 DERFELT SENIOR CENTER	11 BASKETBALL COURTS
2 ADAPTIVE RECREATION CENTER	12 TENNIS COURTS
3 NEW AGE PROGRAM CENTER	13 BASEBALL FIELDS
4 SAMMY DAVIS JR. FESTIVAL PLAZA	14 TOT LOT 2-5 YEARS
5 NEVADA GARDEN CLUBS CENTER	15 TOT LOT 5-12 YEARS
6 NEVADA STATE MUSEUM	16 SPLASH PAD
7 BOAT HOUSE	17 GAZEBO
8 RESTROOMS	18 BANDSHELL
PARKING	19 ROSE GARDENS
9 PARKING	20 INTERPRETIVE TRAIL
10 DROP-OFF & PICK-UP	PICNIC AREAS
	21 BOAT HOUSE PAVILION
	22 ARTESIAN PAVILION
	23 SOUTH LAKE PAVILION
	24 NORTH LAKE PAVILION
	25 OASIS PAVILION
	26 ALFALFA FIELDS PAVILION
	27 DUDE RANCH PAVILION
	✻ YOU ARE HERE

TEXT SIZE 5/8"
TEXT FONT: OLDTOWNENO536D

D — WAYFINDING - GRAPHIC
AT NEVADA STATE MUSEUM PARKING

RECORD AS-BUILT

PLANS APPROVED
ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas, Nevada
DJ: SEP 06 2011
Does Not Include Building, Mechanical, or Site Improvements Make or Change Without Approved Plans Is Not a Permit to Violate Any Ordinance

Landscape Signing & Plan
9.14.11

J W Z U M I N O
LANDSCAPE ARCHITECTURE
LAS VEGAS, NV
3191 S. JONES BLVD., LAS VEGAS, NV 89146
T. 702.253.9336 F. 702.253.1015
CARLSBAD, CA
2268 FARADAY AVE., CARLSBAD, CA 92008
jwzusa.com | LAS VEGAS | CHARLOTTE | CHICAGO
NV # 130 | UT #10244-5501 | NM #202 | AZ #32134 | CA #2738 | TX #13781

REVISIONS

CONSULTANT

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE SIGNAGE DETAILS

STAMP

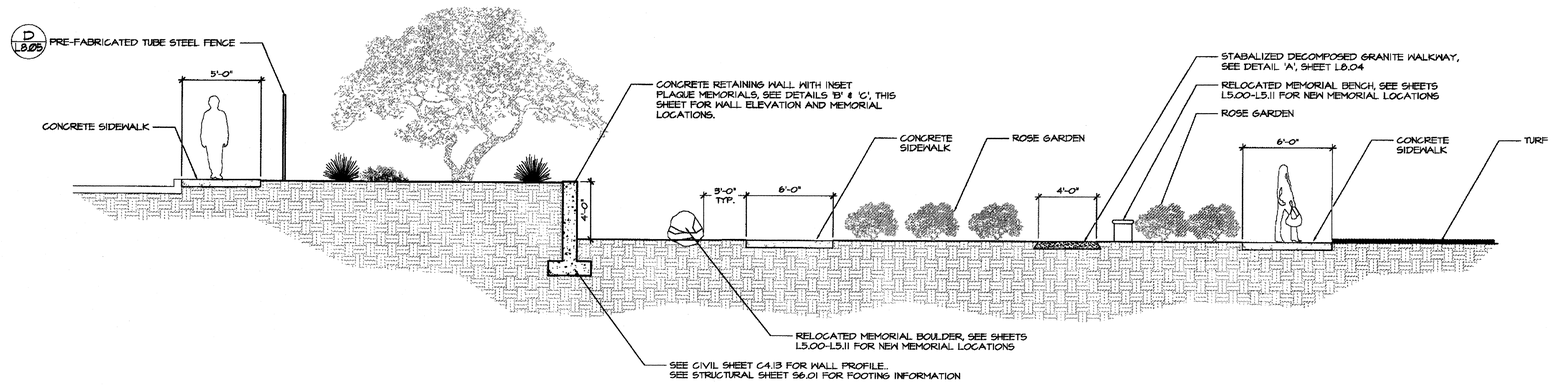
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CHRISTOPHER LANGHAM
733
Expires 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

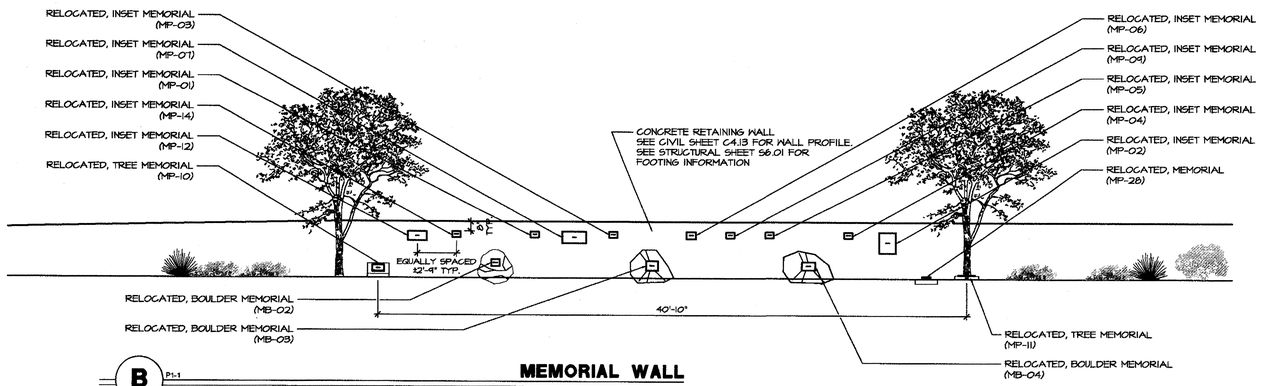
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-8539
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	L5-SIGN
DATE	6/21/2011
SCALE	AS NOTED
BID NO	10.1534104
CLV DWG NO	650.18-47-2
HANSEN NO	33039
SHT NO	L5.18

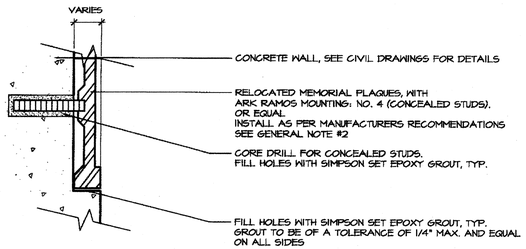
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ANY USE OR REPRODUCTION IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT IS STRICTLY PROHIBITED COPIES OF THE DRAWINGS AND SPECIFICATIONS ANY USE OR REPRODUCTION IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT IS STRICTLY PROHIBITED



A P1-1 MEMORIAL WALL AT CORNER GARDEN



B P1-1 MEMORIAL WALL



C P1-1 RECESSED EDGE PLAQUE MOUNTING

GENERAL NOTES:
1. CONTRACTOR TO RELOCATE EXISTING MEMORIAL PLAQUES TO NEW WALL LOCATION. SEE TREE AND MEMORIAL SURVEY, SHEETS L1.00-L1.11 FOR EXISTING MEMORIAL LOCATIONS.
2. SEE DETAIL 'C', THIS SHEET FOR PLAQUE MOUNTING DETAIL. CONTRACTOR TO VERIFY CONDITION OF BACK OF PLAQUE AND MOUNT AS PER MANUFACTURER'S RECOMMENDATION.

MANUFACTURER:

A.R.K. RAMOS
1321 SOUTH WALKER
OKLAHOMA CITY, OK 73109
PHONE: 405-235-5505
TOLL-FREE: 1-800-725-1266
FAX: 405-232-8516

OR

SIGN INTERNATIONAL
P.O. BOX 20054
BEAUMONT, TEXAS 77720-0054
PHONE: 409-832-0117
TOLL-FREE: 1-800-540-7446
FAX: 409-842-5654

3. CONTRACTOR TO VERIFY PLAQUE SIZE AND THICKNESS PRIOR TO CONSTRUCTION.
4. BOULDER MEMORIALS TO BE BURIED TO EXISTING GRADE LINE.

RECORD AS-BUILT

PLANS APPROVED
ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas, Nevada
DJM SEP 06 2011
Does Not Include Mechanical, Electrical, Plumbing, or Other Site Improvements Made to Change Without Approval/Plan-ie Not a Permit to Violate/Any Ordinances

Call before you OVERHEAD 1-702-227-2929
Call before you Dig. CALL 811

REVISIONS

CONSULTANT

LAS VEGAS NV
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T. 702.253.9380 | F. 702.253.1016

CARLSBAD CA
2249 FARADAY AVE. | CARLSBAD, CA 92008

JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE WALL SECTIONS

STAMP

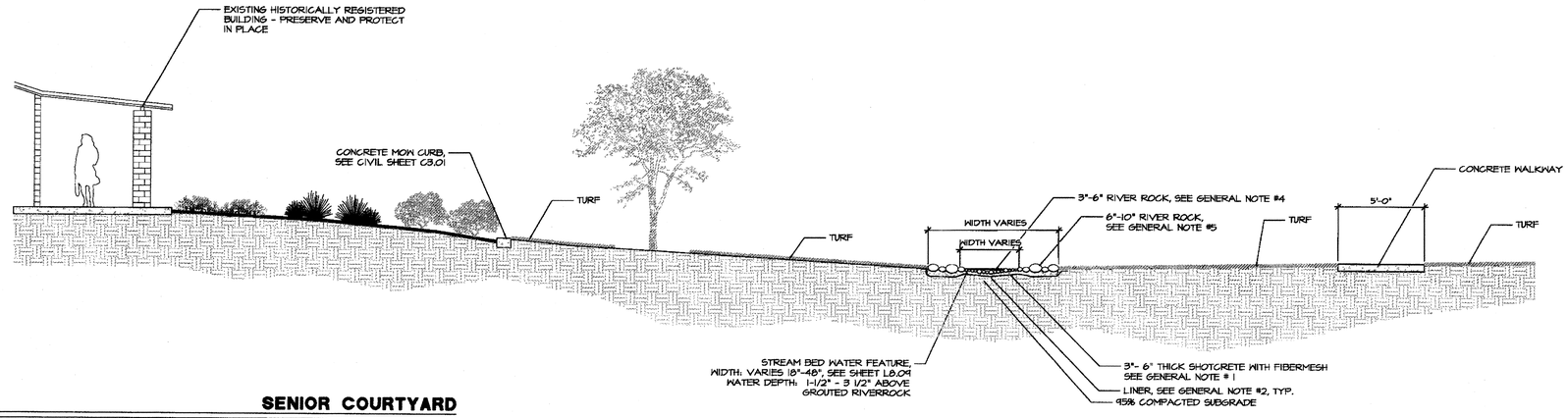
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
784
Expires: 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

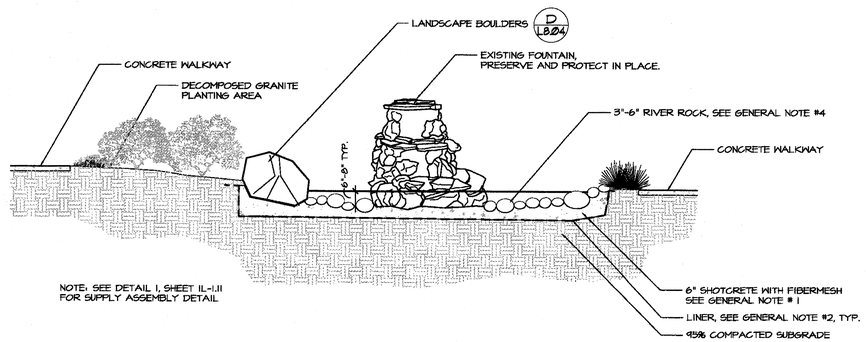
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TITLE	DB-SEC
DATE	6/27/2011
SCALE	1"=5'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L6.01

DRAWINGS AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE DESIGN PROFESSIONAL WHOSE STAMP OF CERTIFICATION APPEARS ON THE DRAWINGS AND SPECIFICATIONS PREPARED BY THE CLIENT MAY BE UTILIZED ONLY FOR DOCUMENTS PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT N A A S 622,790
ANY REPRODUCTION OF THE DRAWINGS AND SPECIFICATIONS IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT IS STRICTLY PROHIBITED COPIES OF THIS DRAWINGS AND SPECIFICATIONS RETAINED BY THE CLIENT MAY BE UTILIZED ONLY FOR DOCUMENTS PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT

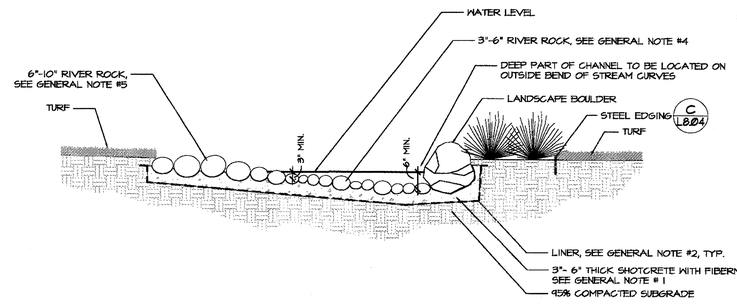
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A P1-1 SENIOR COURTYARD



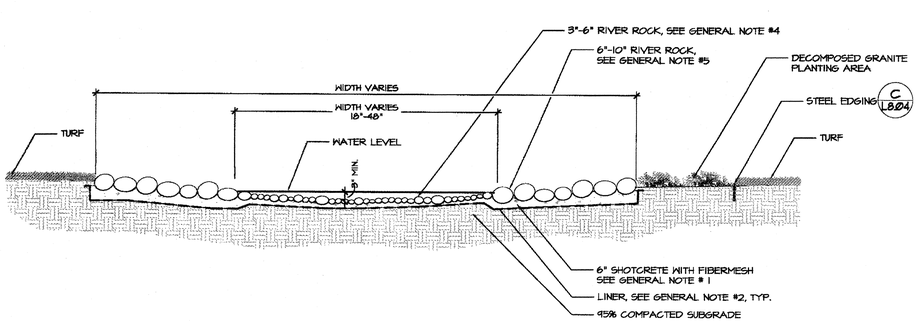
B P1-1 STREAM SUPPLY POOL



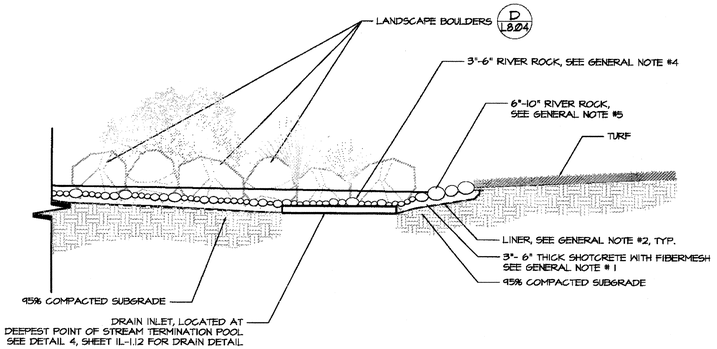
C P1-1 STREAM WITH BOULDER EDGE

GENERAL NOTES:

1. USE 3000 PSI SHOTCRETE AT 5 LBS. PER CUBIC YARD OF SHOTCRETE, WITH 1.8" SYNTHETIC FIBER MESH (PROPEX NOVAMESH 950 OR EQUAL). SEE SPECIFICATION SECTION 334713 FOR ADDITIONAL SHOTCRETE REQUIREMENTS.
2. SEE LAKE AND WATER FEATURE SHEETS IL-1.3, IL-1.11 AND IL-1.12 FOR LINER INSTALLATION.
3. FOR LAYOUT SEE SHEET L8.08
4. RIVERROCK IN CENTER WATER WAY TO BE 3-6" SINGLE COURSE, HAND-PLACED AND SET IN GROUT 1/3 THE HEIGHT OF THE ROCK; 75% TO BE 3-4" ROCK, 25% TO BE 4-6" ROCK
5. RIVERROCK AT WATER WAY EDGES TO BE 6-10" SINGLE COURSE, HAND-PLACED AND SET IN GROUT 1/3 THE HEIGHT OF THE ROCK; 75% TO BE 6-8" ROCK, 25% TO BE 8-10" ROCK
6. CONTRACTOR TO COMPLETE A 2' X 3' MOCK UP OF THE STREAM BED SHOWING EDGE AND BOTTOM FOR APPROVAL BY OWNER'S REPRESENTATIVE



D P1-1 STREAM WITH SLOPED EDGE



E P1-1 STREAM TERMINATION POOL

RECORD AS-BUILT

Call before you OVERHEAD 1-702-227-2424 NEVADA POWER CO./SIERRA PAC. ELECTRIC POWER CO. SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT (USA)

REVISIONS

CONSULTANT

L A S V E G A S N V
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T 702.253.9330 F 702.253.1616

C A R L S B A D C A
2246 FARADAY AVE. | CARLSBAD, CA 92008

jwzunino.com | NV #1361 LIC #45384 | NM #882 | AZ #35134 | CA #3738 | TX #3138

J·W·ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE WALL SECTIONS

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STAMP

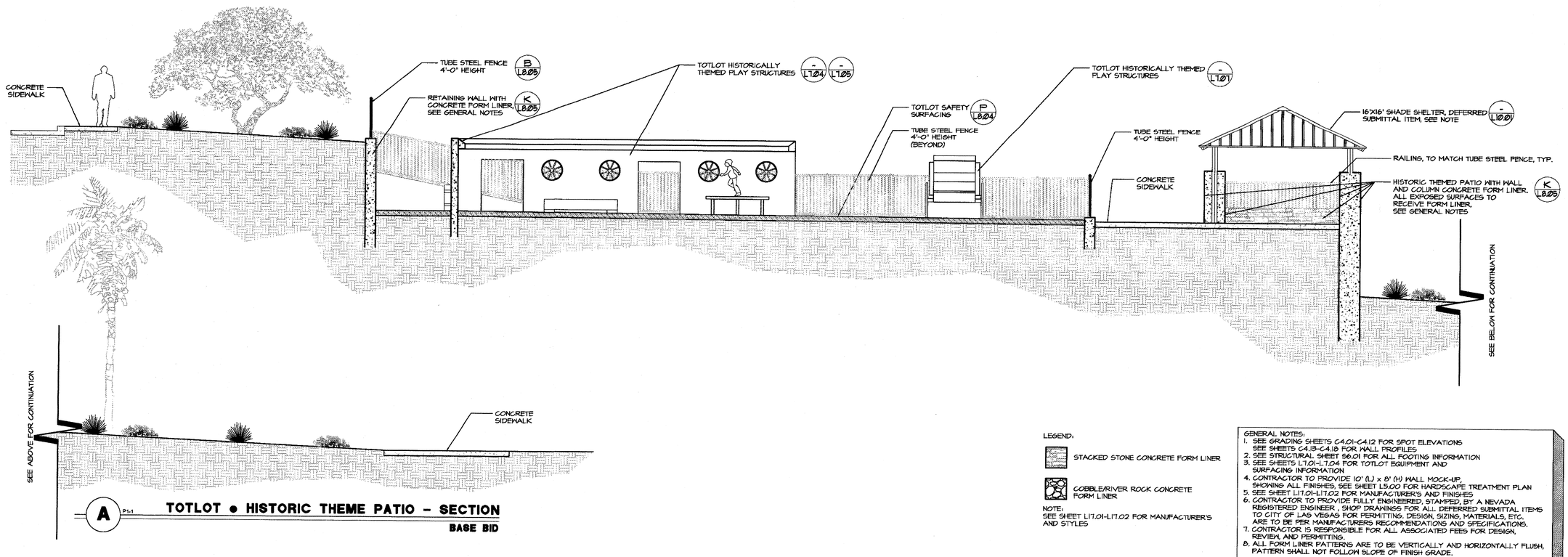
REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER J. LANDINO 783 Expires: 6/30/17 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-9232
TDD: (702) 386-9108

DRAWN	CEB
FILE	E36-DEC
DATE	6/21/2017
SCALE	NOT TO SCALE
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L6.02

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A P1-1 **TOTLOT • HISTORIC THEME PATIO – SECTION**

BASE BID

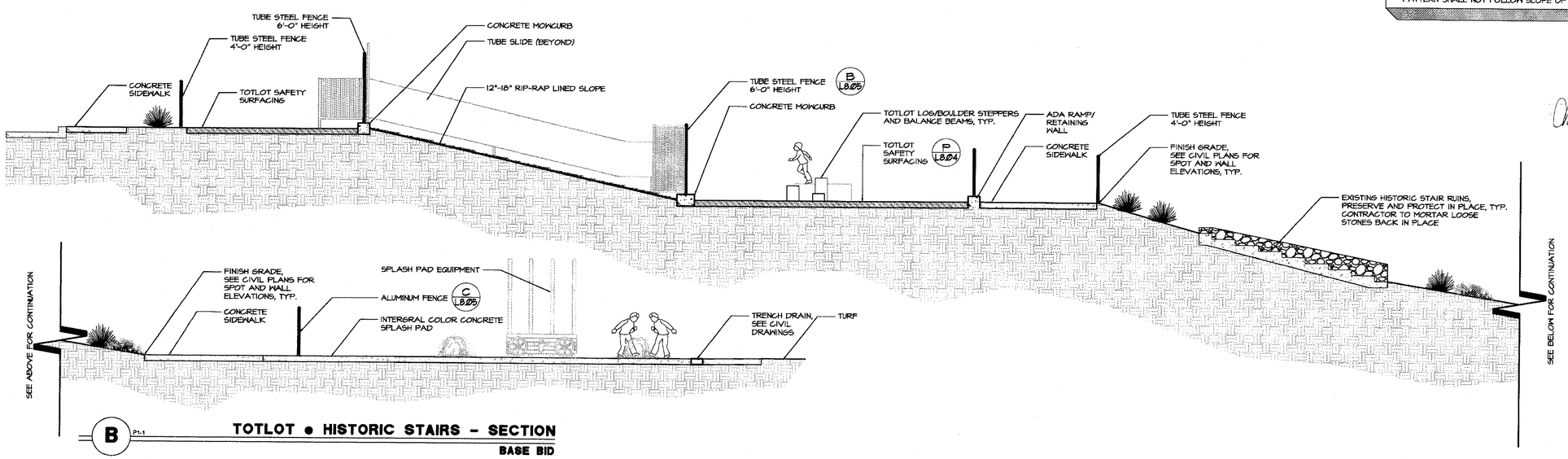
LEGEND:

STACKED STONE CONCRETE FORM LINER

COBBLE/RIVER ROCK CONCRETE FORM LINER

NOTE:
SEE SHEET L1.01-L1.02 FOR MANUFACTURER'S AND STYLES

GENERAL NOTES:
1. SEE GRADING SHEETS C4.01-C4.12 FOR SPOT ELEVATIONS SEE SHEETS C4.13-C4.18 FOR WALL PROFILES
2. SEE STRUCTURAL SHEET S6.01 FOR ALL FOOTING INFORMATION
3. SEE SHEETS L1.01-L1.04 FOR TOTLOT EQUIPMENT AND SURFACING INFORMATION
4. CONTRACTOR TO PROVIDE 10' (L) x 8' (H) WALL MOCK-UP, SHOWING ALL FINISHES, SEE SHEET L5.00 FOR HARDSCAPE TREATMENT PLAN
5. SEE SHEET L1.01-L1.02 FOR MANUFACTURER'S AND FINISHES
6. CONTRACTOR TO PROVIDE FULLY ENGINEERED, STAMPED, BY A NEVADA REGISTERED ENGINEER, SHOP DRAWINGS FOR ALL DEFERRED SUBMITTAL ITEMS TO CITY OF LAS VEGAS FOR PERMITTING. DESIGN, SIZING, MATERIALS, ETC. ARE TO BE PER MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.
7. CONTRACTOR IS RESPONSIBLE FOR ALL ASSOCIATED FEES FOR DESIGN, REVIEW, AND PERMITTING.
8. ALL FORM LINER PATTERNS ARE TO BE VERTICALLY AND HORIZONTALLY FLUSH, PATTERN SHALL NOT FOLLOW SLOPE OF FINISH GRADE.



B P1-1 **TOTLOT • HISTORIC STAIRS – SECTION**

BASE BID

RECORD AS-BUILT

PLANS APPROVED
ARCHITECTURAL

DJW SEP 06 2011

Not a Permit to Violate Any Ordinance

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT (SAV)

REVISIONS

CONSULTANT

LAS VEGAS NV
391 S. JONES BLVD. | LAS VEGAS, NV 89146
T. 702.253.8588 F. 702.253.1016

CARLSBAD CA
2248 FARADAY AVE. | CARLSBAD, CA 92008

jwzusa.com | LANDSCAPE | CONSTRUCTION | DESIGN-BUILD
NV #1130 | UT #725364 | NM #302 | AZ #31264 | CA #3733 | TX #1738

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LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE WALL SECTIONS

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER L. LANHAM
733
Expires 6-30-12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

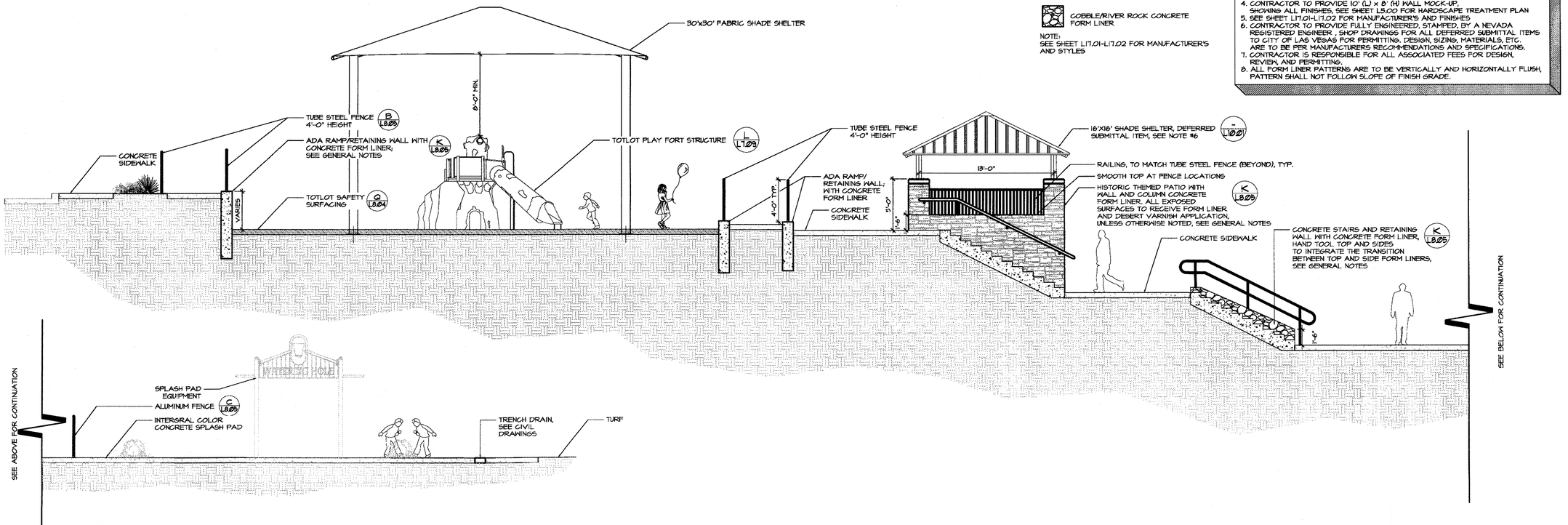
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-SEC
DATE	6/21/2011
SCALE	1"=5'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L6.03

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LEGEND:

STACKED STONE CONCRETE FORM LINER

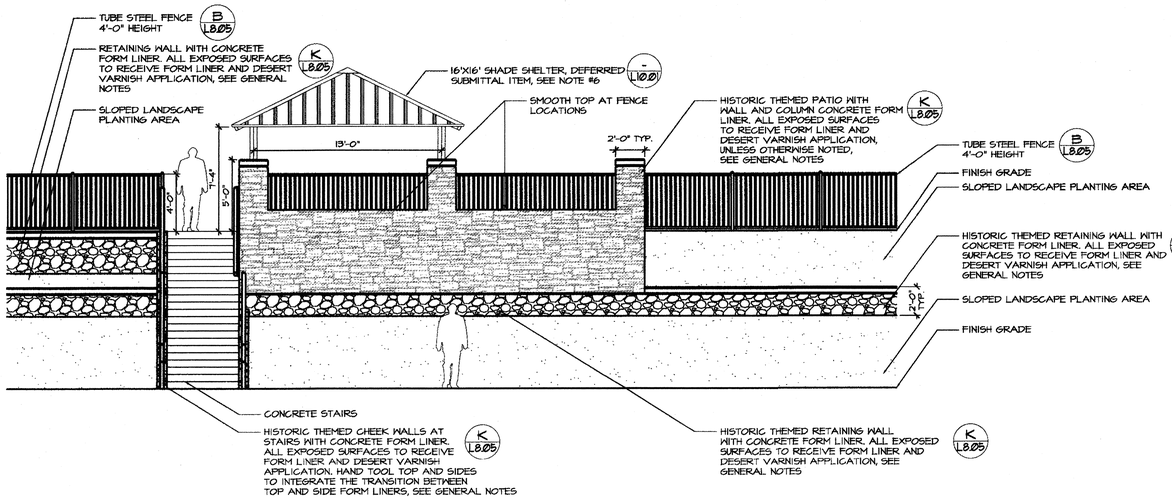
COBBLE/RIVER ROCK CONCRETE FORM LINER

NOTE:
SEE SHEET L17.01-L17.02 FOR MANUFACTURER'S AND STYLES

GENERAL NOTES:
1. SEE GRADING SHEETS C4.01-C4.12 FOR SPOT ELEVATIONS SEE SHEETS C4.13-C4.18 FOR WALL PROFILES
2. SEE STRUCTURAL SHEET S6.01 FOR ALL FOOTING INFORMATION
3. SEE SHEETS L7.01-L7.04 FOR TOTLOT EQUIPMENT AND SURFACING INFORMATION
4. CONTRACTOR TO PROVIDE 10' (L) x 8' (H) WALL MOCK-UP, SHOWING ALL FINISHES, SEE SHEET L5.00 FOR HARDSCAPE TREATMENT PLAN
5. SEE SHEET L17.01-L17.02 FOR MANUFACTURERS AND FINISHES
6. CONTRACTOR TO PROVIDE FULLY ENGINEERED, STAMPED, BY A NEVADA REGISTERED ENGINEER , SHOP DRAWINGS FOR ALL DEFERRED SUBMITTAL ITEMS TO CITY OF LAS VEGAS FOR PERMITTING, DESIGN, SIZING, MATERIALS, ETC. ARE TO BE PER MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.
7. CONTRACTOR IS RESPONSIBLE FOR ALL ASSOCIATED FEES FOR DESIGN, REVIEW, AND PERMITTING.
8. ALL FORM LINER PATTERNS ARE TO BE VERTICALLY AND HORIZONTALLY FLUSH, PATTERN SHALL NOT FOLLOW SLOPE OF FINISH GRADE.

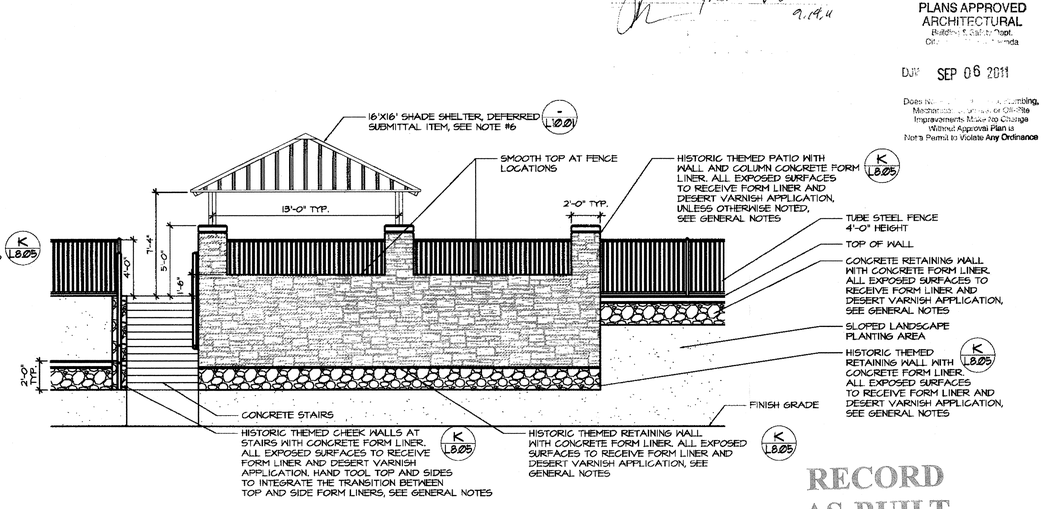
A P1-1 TOTLOT • NEW STAIRS - SECTION

BASE BID



B P1-1 S. HISTORIC THEME PATIO - FRONT ELEVATION

BASE BID



C P1-1 N. HISTORIC THEME PATIO - FRONT ELEVATION

BASE BID

PLANS APPROVED
ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas
DATE SEP 06 2011
Does Not Approve Plumbing, Mechanical, Electrical or Off-Site Improvements Must Be Changed Without Approval Plan is Not a Permit to Violate Any Ordinance

RECORD AS-BUILT

Call before you OVERHEAD 1-702-221-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 811 NEVADA BLUE STAKE, INC. NEVADA ONE-CALL ALERT SYSTEM

REVISIONS

CONSULTANT

LAS VEGAS NV
3191 S. JONES BLVD. LAS VEGAS, NV 89146
T. 702.233.3980 F. 702.233.1213

CARLSBAD CA
2246 FARADAY AVE. CARLSBAD, CA 92008

Jwzunino.com | NEVADA LIC# 0082 | CALIFORNIA LIC# 4758 | TX # 1736

JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE WALL SECTIONS

STAMP

REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER J. LANGHAM 733 STATE OF NEVADA Expires 6/30/12

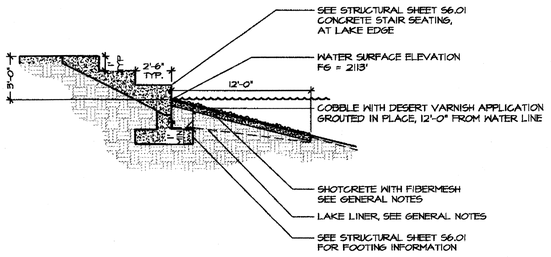
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
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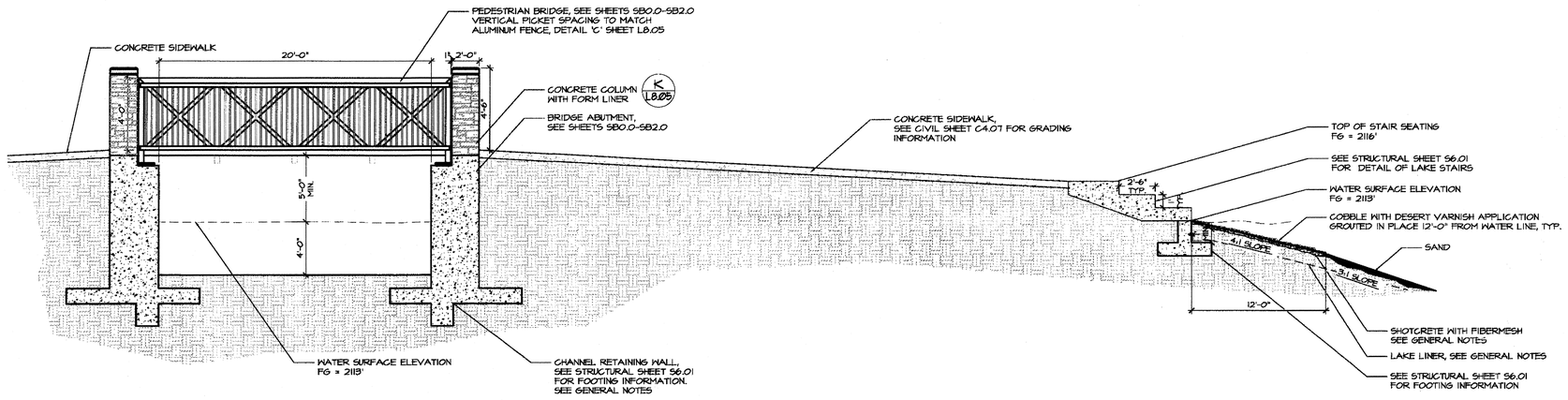
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FILE	B6-SEC
DATE	6/27/2011
SCALE	1"=5'-0"
BID NO	10.1539104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L6.04

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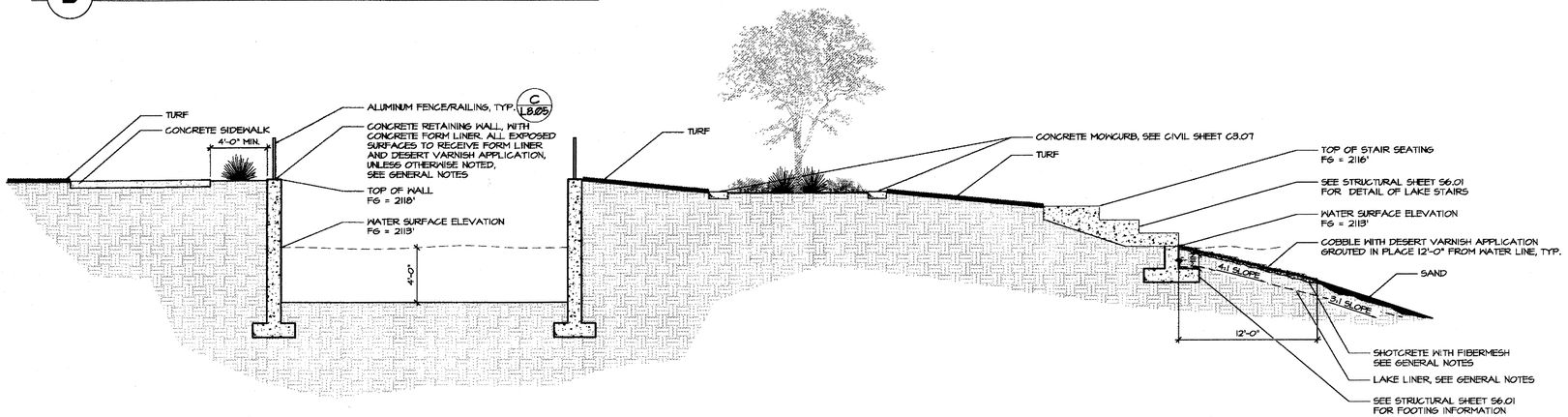
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A P1:1 CONCRETE STAIR SEATING AT LAKE EDGE - SECTION



B P1:1 CANAL • PEDESTRIAN BRIDGE



C P1:1 CANAL • TURF, ARTWORK AND STAIR SEATING

LEGEND:

STACKED STONE CONCRETE FORM LINER

COBBLE/RIVER ROCK CONCRETE FORM LINER

NOTE:
SEE SHEET L17.01-L17.02 FOR MANUFACTURER'S AND STYLES

GENERAL NOTES:
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   SEE SHEETS C4.13-C4.18 FOR WALL PROFILES
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5. SEE SHEET L17.01-L17.02 FOR MANUFACTURER'S AND FINISHES
6. ALL FORM LINER PATTERNS ARE TO BE VERTICALLY AND HORIZONTALLY FLUSH, PATTERN SHALL NOT FOLLOW SLOPE OF FINISH GRADE.
7. USE 3000 PSI SHOTCRETE AT 5 LBS. PER CUBIC YARD OF SHOTCRETE, WITH 1.8" SYNTHETIC FIBER MESH (GROPEX NOVAMESH 650 OR EQUAL). SEE SPECIFICATION SECTION 334713 FOR ADDITIONAL SHOTCRETE REQUIREMENTS.
8. SEE LAKE AND WATER FEATURE SHEET 1L-1.7 FOR COBBLE AND LINER INSTALLATION.

RECORD AS-BUILT

PLANS APPROVED
ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas

DJW: SEP 06 2011

Does Not Authorize Plumbing, Mechanical or Off-Site Improvements Not Shown On This Plan Change Without Approval That Is Not In Permit Is Void Any Ordinance

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER, ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT (USA)

J W ZUNINO
LANDSCAPE ARCHITECTURE
CARLSBAD, CA 92008
2248 FAHADAY AVE. CARLSBAD, CA 92008
jwzunino.com | 760.729.1999 | 760.729.1998
NV #1661 CP #0584 | AZ #32184 | CA #3788 | TX #1788
LAS VEGAS, NV
3191 S. JONES BLVD. LASVEGAS, NV 89148
T. 702.258.3388 F. 702.253.1018

REVISIONS

CONSULTANT

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE WALL SECTIONS

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. HAGMAN
733
Expires 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

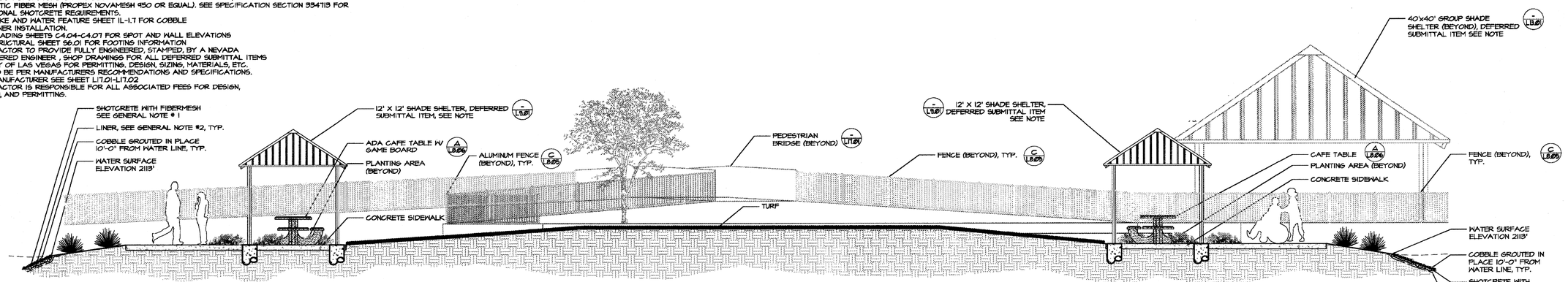
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	L16-SEC
DATE	6/27/2011
SCALE	1"=5'-0"
BID NO	10.1534104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L6.05

DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE AND SHALL REMAIN THE PROPERTY OF THE DESIGN PROFESSIONAL WHOSE STAMP OF CERTIFICATION APPEARS HEREON. THE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANY PERSON OR ENTITY FOR ANY PROJECT OTHER THAN THE SPECIFIED PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY THE DESIGN PROFESSIONAL FOR THE SPECIFIED PROJECT SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO THE DESIGN PROFESSIONAL. ALL PROJECT-SPECIFIC VERIFICATION OR ADAPTATION WILL ENTITLE THE DESIGN PROFESSIONAL TO FURTHER COMPENSATION AT NOT LESS THAN THE DESIGN PROFESSIONAL'S STANDARD RATES. ANY REUSE OF THE DRAWINGS AND SPECIFICATIONS SHALL BE IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT IS STRICTLY PROHIBITED. COPIES OF THE DRAWINGS AND SPECIFICATIONS REMAINED BY THE CLIENT MAY BE UTILIZED ONLY FOR EQUIPPING THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT. N A C 653.780

PRINTED ON RECYCLED PAPER

GENERAL NOTES:
1. USE 3000 PSI SHOTCRETE AT 5 LBS. PER CUBIC YARD OF SHOTCRETE, WITH 1.8" SYNTHETIC FIBER MESH (PROPEX NOVAMESH 450 OR EQUAL). SEE SPECIFICATION SECTION 334713 FOR ADDITIONAL SHOTCRETE REQUIREMENTS.
2. SEE LAKE AND WATER FEATURE SHEET IL-1.7 FOR COBBLE AND LINER INSTALLATION.
3. SEE GRADING SHEETS C4.04-C4.07 FOR SPOT AND WALL ELEVATIONS
4. SEE STRUCTURAL SHEET S6.01 FOR FOOTING INFORMATION
5. CONTRACTOR TO PROVIDE FULLY ENGINEERED, STAMPED, BY A NEVADA REGISTERED ENGINEER , SHOP DRAWINGS FOR ALL DEFERRED SUBMITTAL ITEMS TO CITY OF LAS VEGAS FOR PERMITTING. DESIGN, SIZING, MATERIALS, ETC. ARE TO BE PER MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.
6. FOR MANUFACTURER SEE SHEET L17.01-L17.02
7. CONTRACTOR IS RESPONSIBLE FOR ALL ASSOCIATED FEES FOR DESIGN, REVIEW, AND PERMITTING.



A P1.1 **SOUTH ISLAND /SHADE SHELTERS - SECTION**

BASE BID

RECORD
AS-BUILT

APPROVED
Date 9.14.11
CITY OF LAS VEGAS

PLANS APPROVED
ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas, Nevada

DJW SEP 06 2011

Does Not Authorize Any Grading, Mechanical, Structural, Site Improvements, Means or Change Without Approval of Plan is Not a Permit to Violate Any Ordinance

Lorenzi Park-0249.ilf
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REVISIONS

CONSULTANT

LAS VEGAS, NV
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T 702.253.B3BO | F 702.253.1015

CARLSBAD, CA
2248 FARADAY AVE. | CARLSBAD, CA 92008

jwzunino.com | landscape | community | design/build
NV #1551 | UT #10581 | AZ #35134 | CA #3738 | TX #11781

JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE SECTIONS - SOUTH ISLAND

THESE DRAWINGS AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE DESIGN PROFESSIONAL, WHOSE STAMP OF CERTIFICATION APPEARS ON THE DRAWINGS AND SPECIFICATIONS RETAINED BY THE CLIENT MAY BE UTILIZED ONLY FOR OCCUPYING THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT N A C 553.780
THIS IS STRICTLY PROHIBITED COPIES OF THE DRAWINGS AND SPECIFICATIONS RETAINED BY THE CLIENT MAY BE UTILIZED ONLY FOR OCCUPYING THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT N A C 553.780
ANY USE OR REPRODUCTION IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT IS STRICTLY PROHIBITED

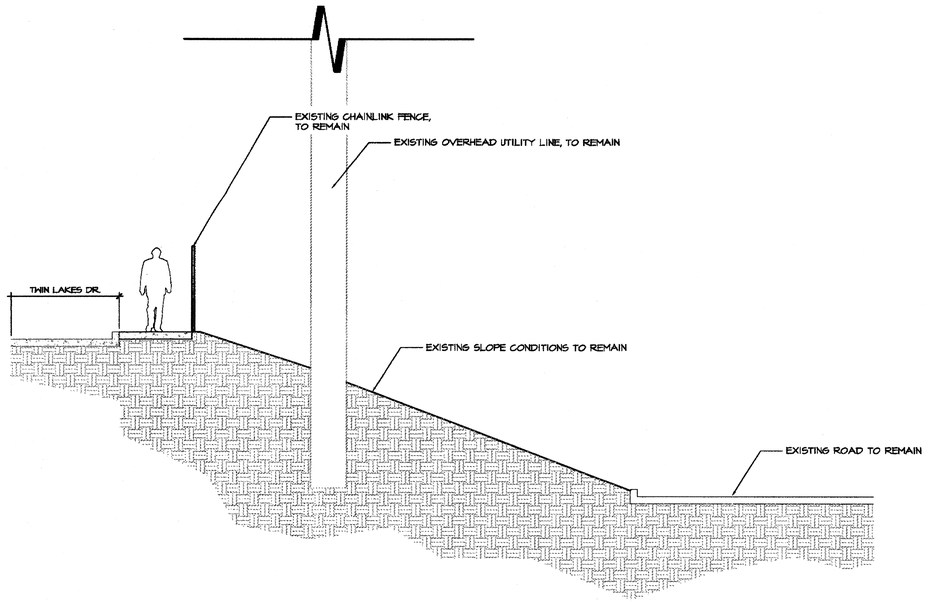
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REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER DIAGRAM
783
STATE OF NEVADA
Expires 6/30/12

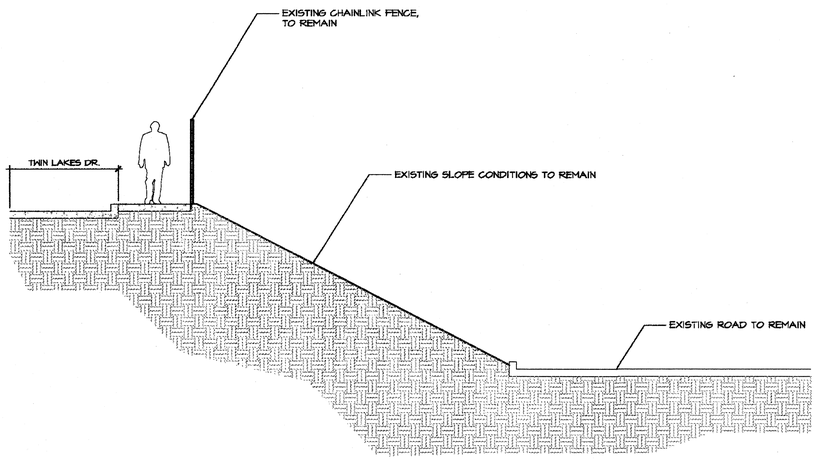
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6335
FAX: (702) 382-5232
TDD: (702) 386-9108

DRAWN	CEB
TITLE	L16-SEC
DATE	6/27/2011
SCALE	1"=5'-0"
BID NO	10.1534104
CLV DWG NO	650.19-47-2
MANSEN NO	33039
SHT NO	L6.06



A **EXISTING OVERHEAD UTILITY LINE AT TWIN LAKES DR.**
BASE BID



B **EXISTING SLOPE TREATMENT AT TWIN LAKES DR.**
BASE BID

RECORD
AS-BUILT

PLANS APPROVED
ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas, Nevada

D.W. SEP 06 2011

Does not include Mechanical, Electrical, Plumbing, Site Improvements, Fire Protection Systems or Variances

Not a Permit

CITY OF LAS VEGAS

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 NEVADA ONE CALL

REVISIONS

CONSULTANT

L A S V E G A S N V
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T. 702.253.8380 | F. 702.253.1816

C A R L S B A D C A
2248 FARADAY AVE. | CARLSBAD, CA 92008

jwzunino.com | JW ZUNINO | LANDSCAPE ARCHITECTURE

NV #360 LIST #1008A | NM #363 | AZ #35134 | CA #3598 | TX #3188

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE WALL SECTIONS

STAMP

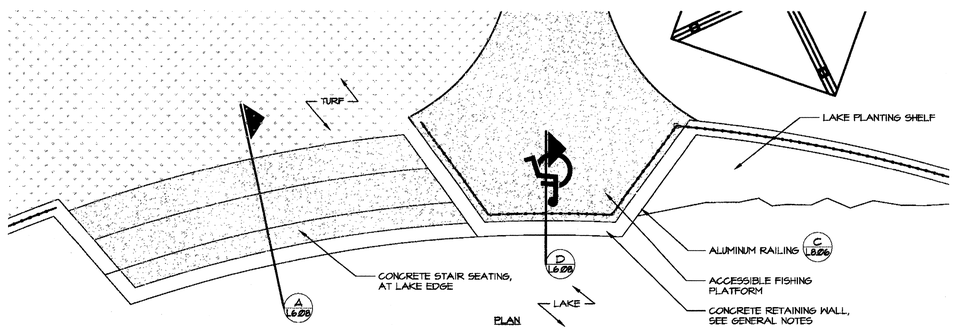
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. ZUNINO
7384
Expires: 6/30/12
STATE OF NEVADA

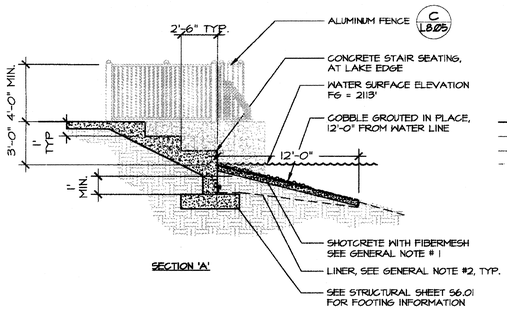
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

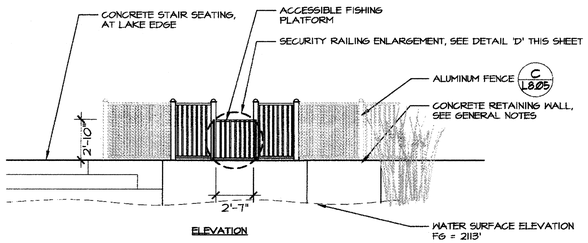
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	B6-SEC
DATE	6/27/2011
SCALE	1"=1'-0"
BID NO	101534104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L6.07

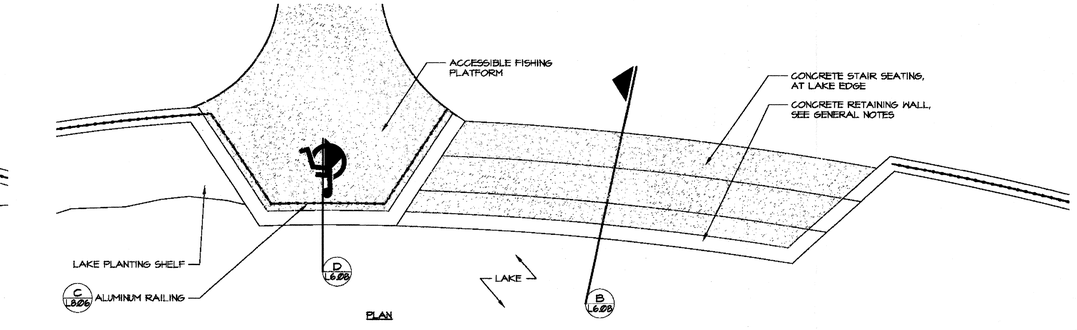
DRAWINGS AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE DESIGN PROFESSIONAL WHOSE STAMP OF CERTIFICATION APPEARS ON THE DRAWINGS AND SPECIFICATIONS AND SHALL NOT BE USED BY THE OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF THE DESIGN PROFESSIONAL. ALL REPRODUCTIONS OF THESE INSTRUMENTS OF SERVICE, IN WHOLE OR IN PART, ARE STRICTLY PROHIBITED AND VALID ONLY FOR THE USE AND OCCUPANCY FOR WHICH THEY WERE PREPARED AND PUBLISHED. ANY UNAUTHORIZED USE, WITHOUT THE WRITTEN CONSENT OF THE DESIGN PROFESSIONAL, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO THE DESIGN PROFESSIONAL. THE USER OF THESE DRAWINGS AND SPECIFICATIONS AGREES TO INDEMNIFY AND HOLD HARMLESS THE DESIGN PROFESSIONAL FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

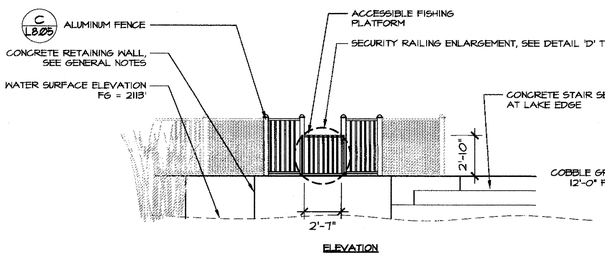


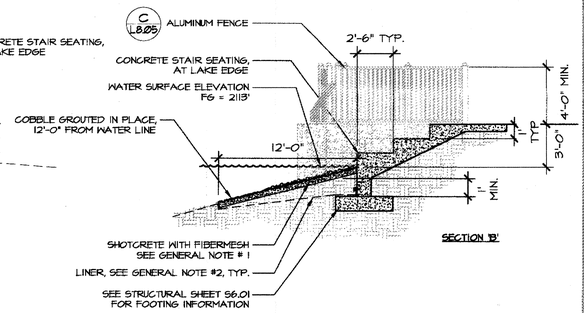




A P1-1 NORTHWEST FISHING PLATFORM

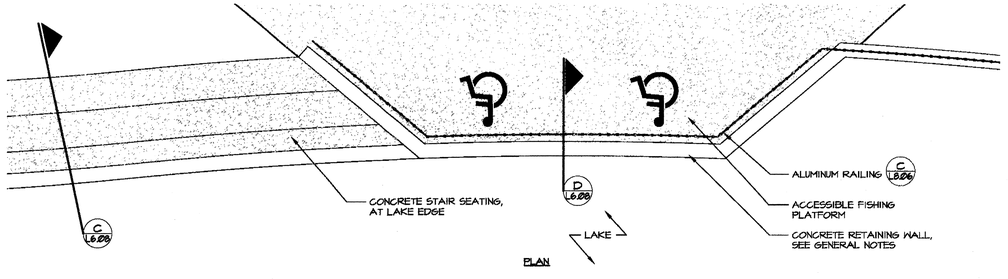


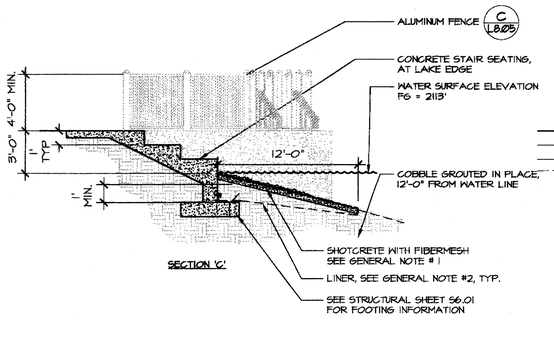


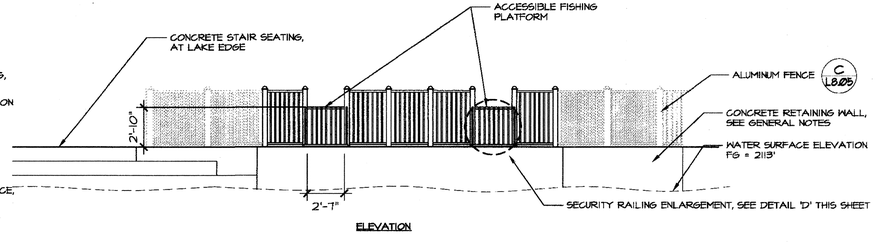


B P1-1 EAST FISHING PLATFORM

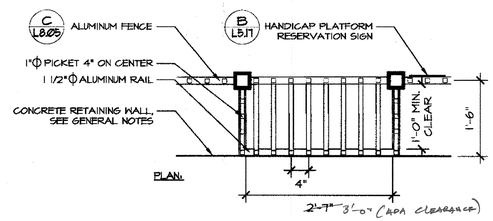
GENERAL NOTES:
1. USE 3000 PSI SHOTCRETE AT 5 LBS. PER CUBIC YARD OF SHOTCRETE, WITH 1.8" SYNTHETIC FIBER MESH (PROPEX NOVAMESH 950 OR EQUAL). SEE SPECIFICATION SECTION 334713 FOR ADDITIONAL SHOTCRETE REQUIREMENTS.
2. SEE LAKE AND WATER FEATURE SHEET IL-1.7 FOR COBBLE AND LINER INSTALLATION.
3. SEE GRADING SHEETS C4.04-C4.07 FOR SPOT AND WALL ELEVATIONS
4. SEE STRUCTURAL SHEET S6.01 FOR ALL FOOTING INFORMATION

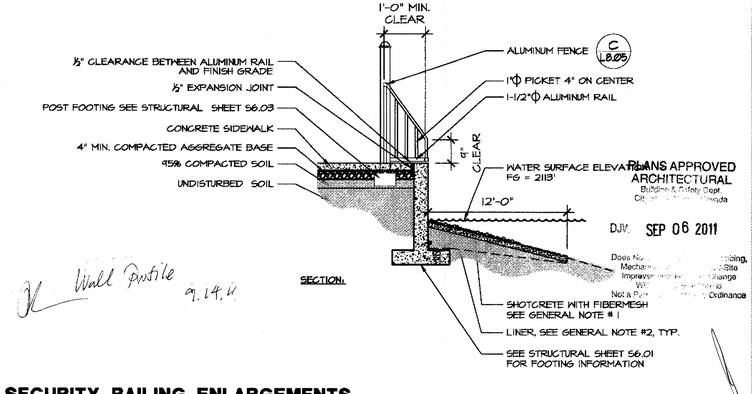






C P1-1 PENINSULA FISHING PLATFORM





PLANS APPROVED ARCHITECTURAL Building & Safety Dept. City of Las Vegas, Nevada DJV. SEP 06 2011 Does Not Apply to Mechanical, Site Improvements, Signage or Work Not A Part of Ordinance

Wall Profile 9.14.11

D P1-1 SECURITY RAILING ENLARGEMENTS

RECORD AS-BUILT

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER EMPLOYEES AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT (SBA)

REVISIONS

CONSULTANT

L A S V E G A S N V
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T: 702.838.8888 | F: 702.838.1018

C A R L S B A D C A
2768 FARADAY AVE. | CARLSBAD, CA 92008

jwzunino.com | NV #965 | AZ #32194 | CA #2938 | TX #1736

J W Z U N I N O
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE WALL SECTIONS

STAMP

REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANGHAM 733 Expires: 6/30/12 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-SEC
DATE	6/27/2011
SCALE	1"=1'-0"
BID NO	10.1534104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L6.08

DRAWINGS AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE DESIGN PROFESSIONAL WHOSE STAMP OF CERTIFICATION APPEARS ON THE DRAWINGS AND SPECIFICATIONS. ANY USE OR REPRODUCTION IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT IS STRICTLY PROHIBITED EXCEPT ON THE CONSTRUCTION OF ANY OTHER PROJECT IN A C 653-780

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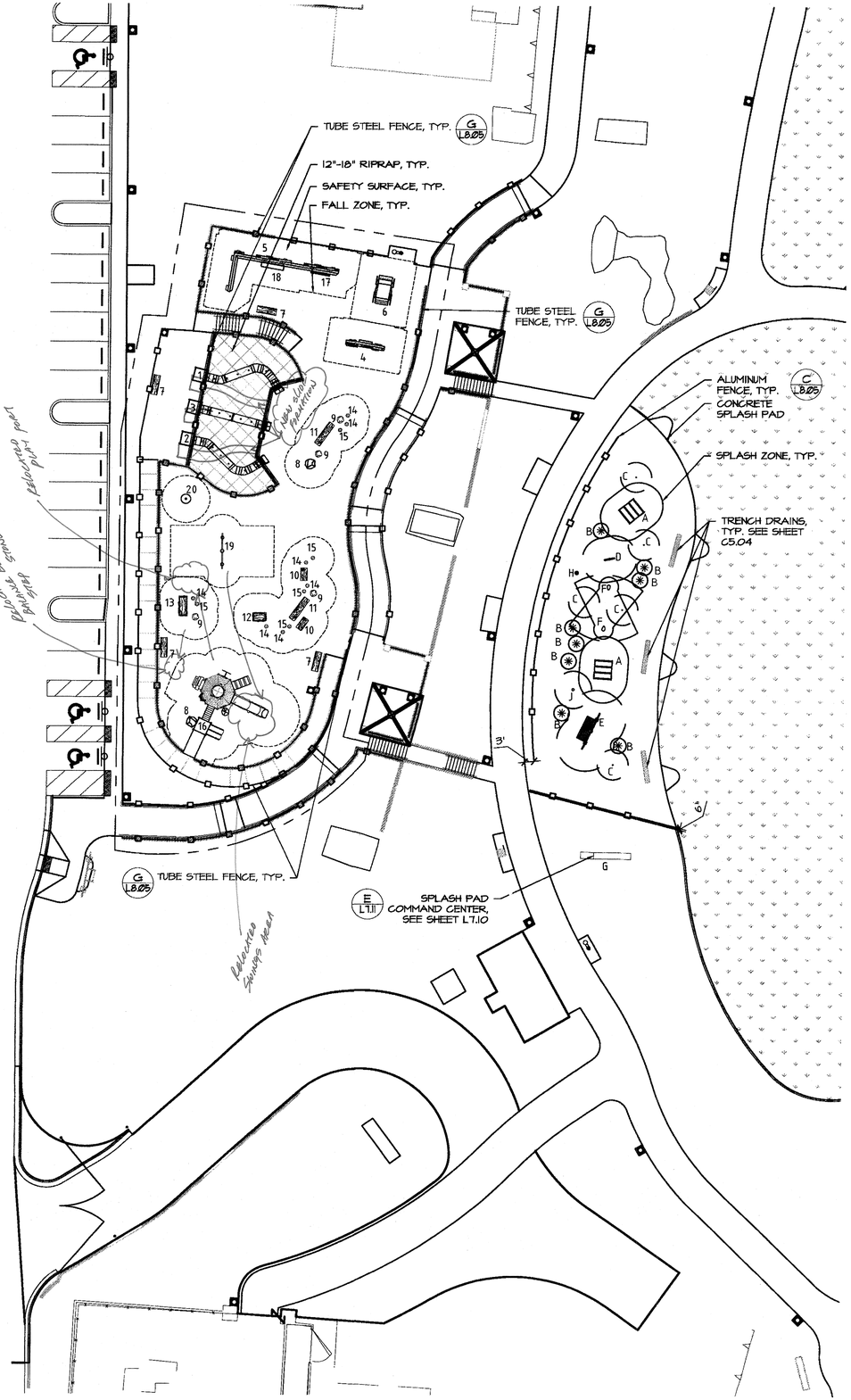
Lorenzi Park-0251.tif

TOT-LOT LEGEND

CODE	PLAY EVENT	QTY.
1	TUBE SLIDE LEFT CURVE	1
2	TUBE SLIDE RIGHT CURVE	1
3	TUBE SLIDE STRAIGHT	1
4	WESTERN THEME CIP PLAY WALL 12 L.F.	1
5	WESTERN THEME CIP PLAY WALL 43.8 L.F.	1
6	CIP STAGE COACH PLAY STRUCTURE	1
7	6' HALF LOG BENCH	4
8	BOULDER MEDIUM	2
9	STEPPING BOULDER SMALL	4
10	LOG BALANCE BEAM 4'	2
11	LOG BALANCE BEAM 8'	2
12	HOLLOW LOG CRAWL 4'	1
13	HOLLOW LOG CRAWL 6'	1
14	LOG STEPPER 8-16"	7
15	LOG STEPPER 24-32"	5
16	PLAY FORT	1
17	HITCHING POST	1
18	HORSE TROUGH	1
19	TREE TRUNK SWING	1
20	CAT TAIL SPINNING/SWAYING	1

SPLASH PAD LEGEND

CODE	PLAY EVENT	QTY.
A	WESTERN WAGON VOR-7543	2
B	JET STREAM VOR-7512	8
C	GROUND GEYSER VOR-0301	5
D	CACTUS VOR-7390	1
E	WET SALOON VOR-0403	1
F	HORSE CANNON VOR-0210	2
G	COMMAND CENTER	1
H	ACTIVATION BOLLARD	1
J	CUSTOM HAND PUMP VOR-8446	1



TOT-LOT/SPLASH PAD SCHEDULE

SYMBOL

GENERAL NOTES

1. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
2. TOT-LOT SAFETY SURFACE: CONTRACTOR TO COORDINATE WITH MANUFACTURER FOR ALL FALL ZONE SAFETY REQUIREMENTS. CONTRACTOR TO PROVIDE SAFETY SURFACE CUSHION DEPTH 2" DEEPER THAN MANUFACTURER'S REQUIREMENTS. ALL SAFETY SURFACE COLORS AS PER PLAN, SEE SHEET L7.02 FOR LAYOUT. SEE DETAIL 'P', SHEET L8.04 FOR SURFACING DETAILS.

   TOT TURF:
   MIRACLE PLAYGROUND
   2657 WINDMILL PKWY #195
   HENDERSON, NV 89074
   (800) 905-1411 EXT 117

   OR

   SPECTRATURF:
   500 E RINCON STREET #100
   CORONA, CA 92879-1352
   (800) 875-5188

   OR

   SURFACE AMERICA:
   PO BOX 157
   WILLIAMSVILLE, NY 14231
   (800) 999-0555

3. DECORATIVE CONCRETE: INTEGRAL COLOR CONCRETE PAVING. COLOR TO MATCH DAVIS COLORS SAN DIEGO BUFF. FINISH: NON-SLIP PER MANUFACTURERS SPECIFICATIONS

   AGGREGATE FINISH BLEND: TUMBLED GLASS - 100% SEEDING WITH:
   15% - 103-0
   15% - 102-0
   10% - 101-0

   AGGREGATE FINISH BLEND: TUMBLED GLASS - 100% SEEDING WITH:
   35% - 107-0
   35% - 103-0
   15% - 106-0
   15% - 102-0

   AGGREGATE FINISH BLEND: TUMBLED GLASS - 100% SEEDING WITH:
   60% - 107-0
   25% - 106-0
   15% - 108-0

   AGGREGATE FINISH BLEND: TUMBLED GLASS - 100% SEEDING WITH:
   25% - 204-0
   20% - 114-0
   20% - 108-0
   20% - 201-0
   15% - 106-0

   AGGREGATE FINISH BLEND: TUMBLED GLASS WITH ROCK AGGREGATE - 100% SEEDING WITH:
   25% - 114-0
   25% - 204-0
   25% - INYO ORO #1
   20% - 201-0
   5% - 113-0

   MANUFACTURER: LITHOCRETE SYSTEMS
   T.B. PENICK & SONS, INC.
   5275 S. ARVILLE ST. SUITE #300
   LAS VEGAS, NV 89118
   TELEPHONE: (800) 234-3046 EXT. 170
   CONTACT: ANDREW C. WEBER

   OR

   CHIEF CONCRETE, INC.
   6275 STEVENSON WAY
   LAS VEGAS, NV 89120
   TELEPHONE: (702) 435-4038

   (OR APPROVED EQUAL)

4. DECORATIVE ROCK (RIP-RAP) - SIZE: 12"-18", COLOR: TO MATCH DECORATIVE ROCK GROUNDCOVER. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER:
   KALAMAZOO MATERIALS
   697 NORTH ORACLE ROAD
   TUCSON, AZ 85704
   TELEPHONE: (702) 497-6411
   CONTACT: BETTY O'BRIEN

   OR

   WHOLESALE DEALER:
   LAS VEGAS ROCK
   2 PRISON ROAD
   PO BOX 19118
   JEAN, NV 89019
   TELEPHONE: (702) 791-7625
   CONTACT: STEVE WICKMAN

   OR

   WHOLESALE DEALER:
   MINERAL PARK DECORATIVE ROCK
   8275 N. MINERAL PARK ROAD
   KINGMAN, AZ 86416
   TELEPHONE: (702) 256-1619
   CONTACT: ROBIN MICKELSON

5. SEE SHEET L17.01-L17.02 FOR MANUFACTURERS INFORMATION. QUANTITIES DISCLAIMER: SEE SPECIFICATIONS SECTION 01 10 00, 1.2
6. MANUFACTURER TO CONSULT LANDSCAPE ARCHITECT FOR COLOR SELECTION AND COORDINATION OF FINAL APPEARANCE. CONCRETE TO MATCH SAMPLE AVAILABLE FOR REVIEW AT LANDSCAPE ARCHITECTS OFFICE. CONTRACTOR TO PROVIDE 10'X10' MOCK-UP FOR APPROVAL PRIOR TO WORK IN THIS AREA.
7. SEE SHEET C3.19 FOR NORTHING AND EASTING NUMBERS FOR TOT-LOT/SPLASH PAD EQUIPMENT

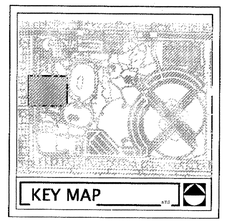
RECORD AS-BUILT

ADA NOTES

ALL EQUIPMENT AT PLAYGROUND AREA SHALL COMPLY WITH THE FOLLOWING STANDARDS:

1. THE ACCESSIBILITY GUIDELINES FOR PLAY AREAS AS PUBLISHED BY THE ARCHITECTURAL AND TRANSPORTATION BARRIERS COMPLIANCE BOARD.
2. US CONSUMER PRODUCT SAFETY COMMISSION'S HANDBOOK FOR PUBLIC PLAYGROUND SAFETY.
3. THE MOST CURRENT EDITIONS OF ASTM F 1487 AND ASTM F 1292.
4. CONTRACTOR TO VERIFY COMPLIANCE WITH ALL FALL ZONE SAFTEY REQUIREMENTS & CUSHION THICKNESS. SEE SPECIFICATIONS FOR INDEPENDENT 3RD PARTY TESTING REQUIREMENTS.

PLANS APPROVED ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas
D.M. SEP 08 2011
Note: Approval is not an approval of violation of any provision of any City Ordinance



0 20' 40' 80'

SCALE: 1" = 20'-0"

NORTH

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 (NEVADA ONE CALL SERVICE ALERT SYSTEM)

REVISIONS

CONSULTANT

J W Z U N I N O
LANDSCAPE ARCHITECTURE
L A S V E G A S N V
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T. 702.283.9290 | F. 702.253.1018
C A R L S B A D C A
2292 FARADAY AVE. | CARLSBAD, CA 92008
jwzunino.com | CA #2338 | AZ #3318 | NM #382 | NV #1017 | OR #1017 | UT #9044

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
TOT-LOT/SPLASH PAD LAYOUT

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGDON
783
Expires 6/30/12
STATE OF NEVADA

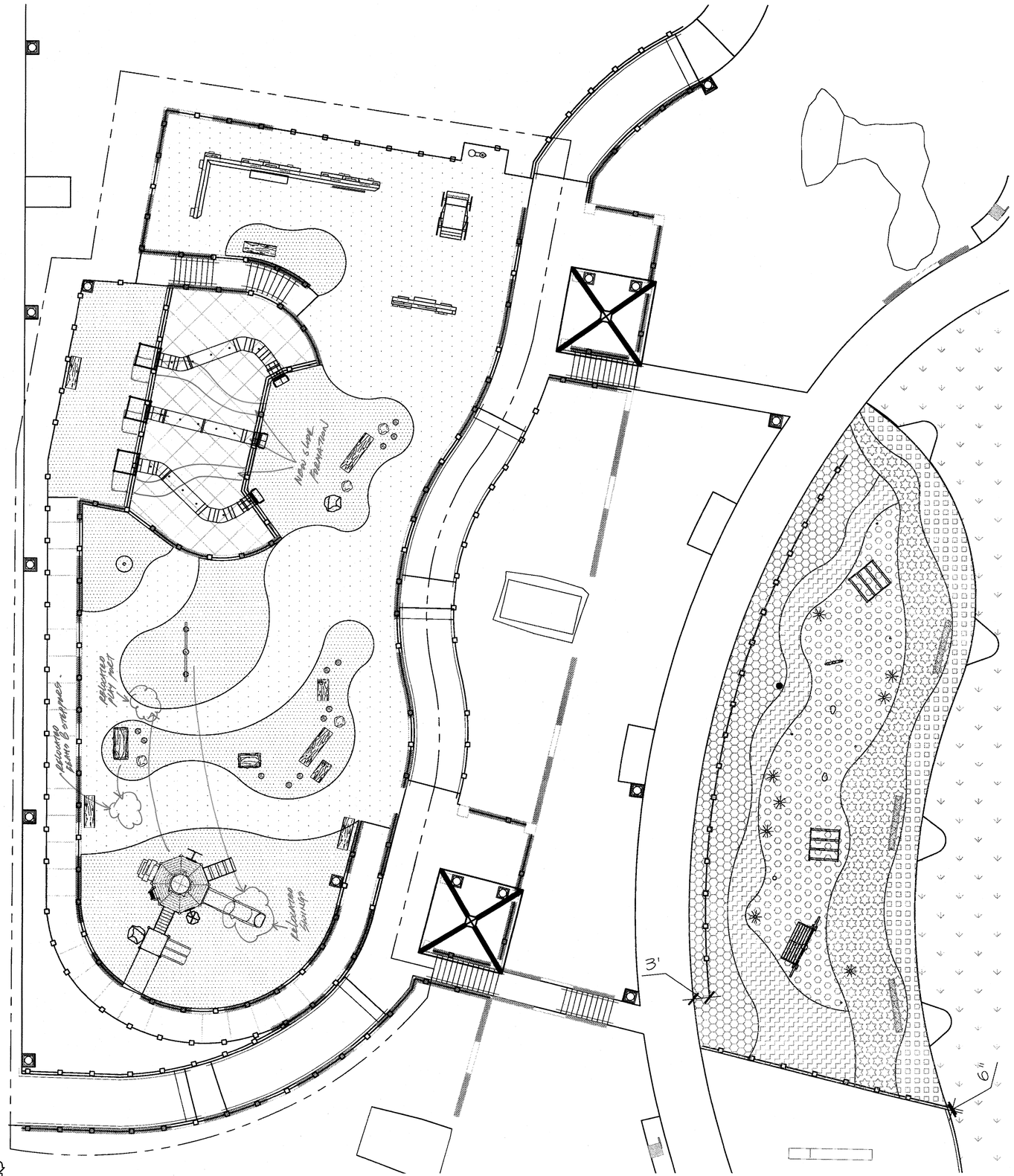
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-3232
(TDD) (702) 386-9108

DRAWN	CEB
FILE	E86-Tot lot
DATE	6/27/2011
SCALE	1"=20'-0"
BID NO	10.1534104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L7.01

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ANY USE OR REPRODUCTION IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT IS STRICTLY PROHIBITED COPIES OF THE DRAWINGS AND SPECIFICATIONS

Lorenzi Park-0252.ill PRINTED ON RECYCLED PAPER



TOT-LOT/SPLASH PAD SCHEDULE

SYMBOL

GENERAL NOTES

1. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
2. TOT-LOT SAFETY SURFACE: CONTRACTOR TO COORDINATE WITH MANUFACTURER FOR ALL FALL ZONE SAFETY REQUIREMENTS. CONTRACTOR TO PROVIDE SAFETY SURFACE CUSHION DEPTH 2" DEEPER THAN MANUFACTURER'S REQUIREMENTS. ALL SAFETY SURFACE COLORS AS PER PLAN, SEE SHEET L7.02 FOR LAYOUT. SEE DETAIL 'P', SHEET L8.04 FOR SURFACING DETAILS.

   TOT TURF:
   MIRACLE PLAYGROUND
   2657 WINDMILL PKWY #195
   HENDERSON, NV 89074
   (800) 905-1411 EXT 117

   OR

   SPECTRATURF:
   500 E RINCON STREET #100
   CORONA, CA 92879-1352
   (800) 875-5788

   OR

   SURFACE AMERICA:
   PO BOX 157
   WILLIAMSVILLE, NY 14231
   (800) 999-0555

3. DECORATIVE CONCRETE: INTEGRAL COLOR CONCRETE PAVING. COLOR TO MATCH DAVIS COLORS SAN DIEGO BUFF. FINISH: NON-SLIP PER MANUFACTURERS SPECIFICATIONS

   AGGREGATE FINISH BLEND: TUMBLED GLASS - 100% SEEDING WITH:
   75% - 103-0
   15% - 102-0
   10% - 101-0

   AGGREGATE FINISH BLEND: TUMBLED GLASS - 100% SEEDING WITH:
   35% - 107-0
   35% - 103-0
   15% - 106-0
   15% - 102-0

   AGGREGATE FINISH BLEND: TUMBLED GLASS - 100% SEEDING WITH:
   60% - 107-0
   25% - 106-0
   15% - 108-0

   AGGREGATE FINISH BLEND: TUMBLED GLASS - 100% SEEDING WITH:
   25% - 204-0
   20% - 114-0
   20% - 108-0
   20% - 201-0
   15% - 106-0

   AGGREGATE FINISH BLEND: TUMBLED GLASS WITH ROCK AGGREGATE - 100% SEEDING WITH:
   25% - 114-0
   25% - 204-0
   25% - INYO ORO #1
   20% - 201-0
   5% - 113-0

   MANUFACTURER: LITHOCRETE SYSTEMS
   T.B. PENICK & SONS, INC.
   5275 S. ARVILLE ST. SUITE #300
   LAS VEGAS, NV 89118
   TELEPHONE: (800) 234-3046 EXT. 170
   CONTACT: ANDREW C. WEBER

   OR

   CHIEF CONCRETE, INC.
   6275 STEVENSON WAY
   LAS VEGAS, NV 89120
   TELEPHONE: (702) 435-4038

   (OR APPROVED EQUAL)

4. DECORATIVE ROCK (RIP-RAP) - SIZE: 12"-18", COLOR: TO MATCH DECORATIVE ROCK GROUNDCOVER. CONTRACTOR TO RECEIVE VERIFICATION FROM ROCK SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.

   WHOLESALE DEALER:
   KALAMAZOO MATERIALS
   697 NORTH ORACLE ROAD
   TUCSON, AZ 85704
   TELEPHONE: (702) 497-6411
   CONTACT: BETTY O'BRIEN

   OR

   WHOLESALE DEALER:
   LAS VEGAS ROCK
   2 PRISON ROAD
   PO BOX 19118
   JEAN, NV 89019
   TELEPHONE: (702) 791-7625
   CONTACT: STEVE WICKMAN

   OR

   WHOLESALE DEALER:
   MINERAL PARK DECORATIVE ROCK
   8275 N. MINERAL PARK ROAD
   KINGMAN, AZ 86416
   TELEPHONE: (702) 256-1619
   CONTACT: ROBIN MICKELSON

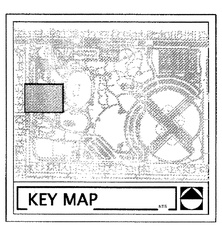
5. SEE SHEET L17.01-L17.02 FOR MANUFACTURERS INFORMATION. QUANTITIES DISCLAIMER: SEE SPECIFICATIONS SECTION 01 10 00, 1.2
6. MANUFACTURER TO CONSULT LANDSCAPE ARCHITECT FOR COLOR SELECTION AND COORDINATION OF FINAL APPEARANCE. CONCRETE TO MATCH SAMPLE AVAILABLE FOR REVIEW AT LANDSCAPE ARCHITECTS OFFICE. CONTRACTOR TO PROVIDE 10'X10' MOCK-UP FOR APPROVAL PRIOR TO WORK IN THIS AREA.
7. SEE SHEET C3.19 FOR NORTHING AND EASTING NUMBERS FOR TOT-LOT/SPLASH PAD EQUIPMENT

ADA NOTES

ALL EQUIPMENT AT PLAYGROUND AREA SHALL COMPLY WITH THE FOLLOWING STANDARDS:

1. THE ACCESSIBILITY GUIDELINES FOR PLAY AREAS AS PUBLISHED BY THE ARCHITECTURAL AND TRANSPORTATION BARRIERS COMPLIANCE BOARD.
2. US CONSUMER PRODUCT SAFETY COMMISSION'S HANDBOOK FOR PUBLIC PLAYGROUND SAFETY.
3. THE MOST CURRENT EDITIONS OF ASTM F 1487 AND ASTM F 1292.
4. CONTRACTOR TO VERIFY COMPLIANCE WITH ALL FALL ZONE SAFTEY REQUIREMENTS & CUSHION THICKNESS. SEE SPECIFICATIONS FOR INDEPENDENT 3RD PARTY TESTING REQUIREMENTS.

RECORD
AS-BUILT



0 10' 20' 40'

SCALE: 1" = 10'-0"

NORTH

Call before you OVERHEAD 1-702-227-2929

Call before you Dig. CALL 811

REVISIONS

CONSULTANT

L A S V E G A S N V
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T. 702.253.8380 | F. 702.253.1818

C A R L S B A D C A
2248 FARADAY AVE. | CARLSBAD, CA 92008

jwzunino.com | 2009 AHBA | 1 GMS 1-1-09 | 2 GMS 8-14-09 | 3 GMS 10-27-09 | NV #1656 LIC #00834 | AZ #50346 | CA #3726 | TX #3726

J W Z U N I N O
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
TOT-LOT/SPLASH PAD SURFACING

THESE DRAWINGS AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE DESIGN PROFESSIONAL WHOSE STAMP OF CERTIFICATION APPEARS ON THE DRAWINGS AND SPECIFICATIONS. ANY USE OR REPRODUCTION IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT IS STRICTLY PROHIBITED COPIES OF THE DRAWINGS AND SPECIFICATIONS RETAINED BY THE CLIENT MAY BE UTILIZED ONLY FOR OCCUPYING THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT N.A.C. 623.760

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
733
Expires 6-30-12
STATE OF NEVADA

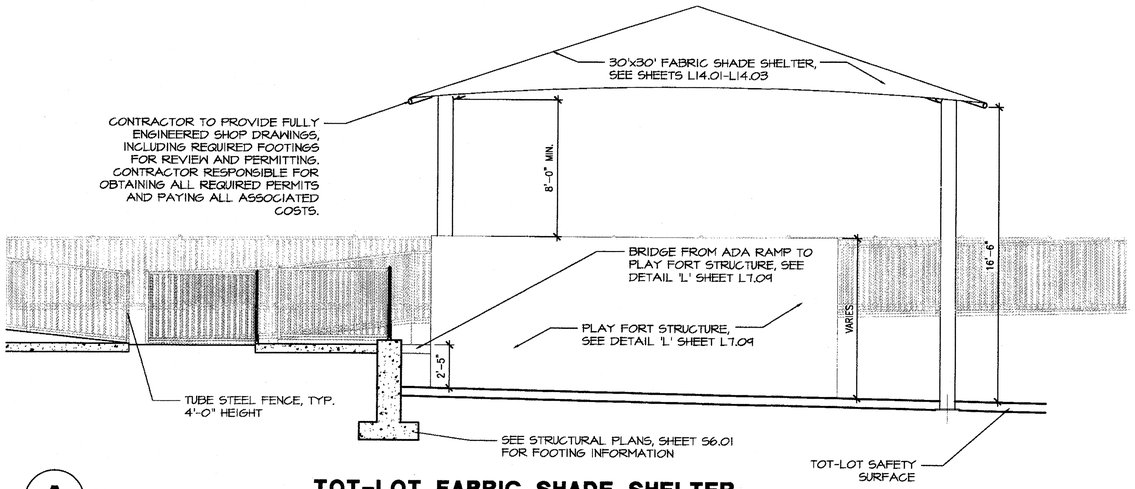
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-Totlot
DATE	6/7/2011
SCALE	1"=10'-0"
BID NO	10.15341.04
C.V. DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L7.02

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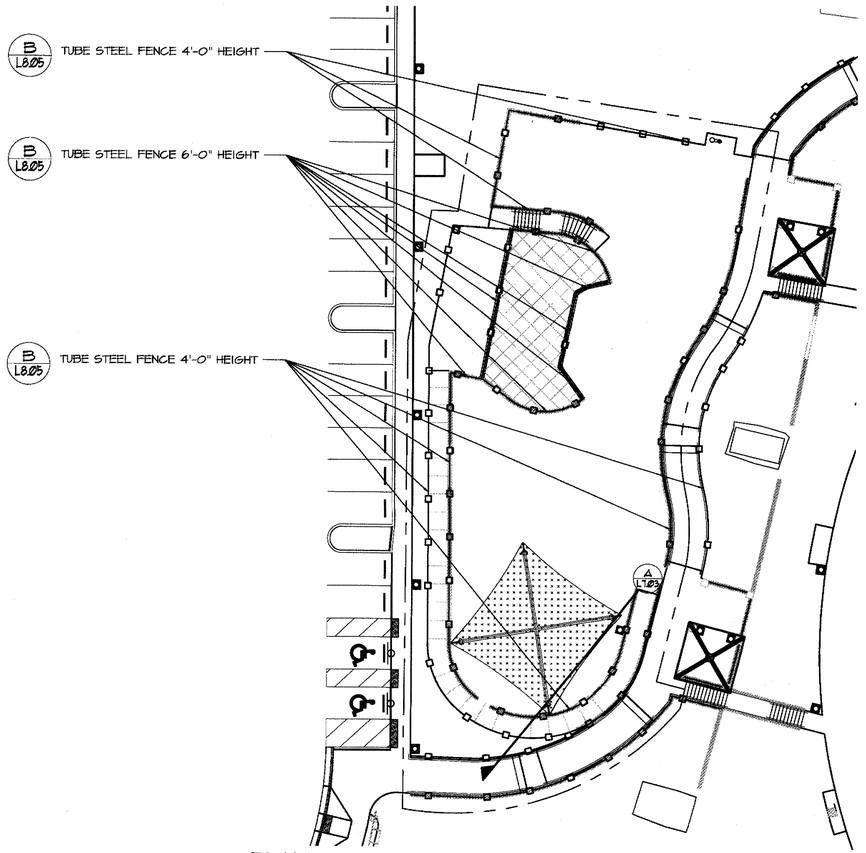
Lorenzi Park-0253.tif



A P1-1 **TOT-LOT FABRIC SHADE SHELTER**

ELEVATIONS

SCALE: 1/8"=1'-0"



PLAN

SCALE: 1"=20'-0"

FABRIC SHADE SCHEDULE

SYMBOL

TERRA COTTA

GENERAL NOTES

1. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS, AND ON ALL SIDEWALKS ACCORDING TO ALL CODES, REGULATIONS, AND REQUIREMENTS.
2. FABRIC SHADE SHELTER: ALL SIZING AND CONNECTIONS TO BE ENGINEERED BY MANUFACTURER AS REQUIRED IN SPECIFICATIONS.

PARASOL (PORTER CORP):
4240 136TH AVE.
HOLLAND MI 49424
(616) 399-1963

OR

SUNPORTS:
3021 S VALLEY VIEW BLVD
STE 207
LAS VEGAS, NV 89102
(702) 221-5273

OR

CLASSIC RECREATION SYSTEMS:
11875 E. BERRY DRIVE
DEWEY AZ 86327
PHONE: (800) 697-2195
FAX: (928) 772-0858

3. SEE SHEET LI7.01-LI7.02 FOR QUANTITIES AND MANUFACTURERS INFORMATION. QUANTITIES DISCLAIMER: SEE SPECIFICATIONS SECTION 01 10 00, 1.2
4. FABRIC SHADE SHELTER DETAILS, SEE SHEETS LI4.01-LI4.03
   CONTRACTOR TO PROVIDE FULLY ENGINEERED SHOP DRAWINGS FOR REVIEW AND PERMITTING.
5. MANUFACTURER TO CONSULT LANDSCAPE ARCHITECT FOR COLOR SELECTION AND COORDINATION OF FINAL APPEARANCE.

ADA NOTES

ALL EQUIPMENT AT PLAYGROUND AREA SHALL COMPLY WITH THE FOLLOWING STANDARDS:

1. THE ACCESSIBILITY GUIDELINES FOR PLAY AREAS AS PUBLISHED BY THE ARCHITECTURAL AND TRANSPORTATION BARRIERS COMPLIANCE BOARD.
2. US CONSUMER PRODUCT SAFETY COMMISSION'S HANDBOOK FOR PUBLIC PLAYGROUND SAFETY.
3. THE MOST CURRENT EDITIONS OF ASTM F 1487 AND ASTM F 1292.
4. CONTRACTOR TO VERIFY COMPLIANCE WITH ALL FALL ZONE SAFTEY REQUIREMENTS & CUSHION THICKNESS.

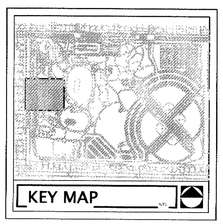
WARNING:

ANY VARIATION IN THE ELEVATIONS AS SHOWN AND APPROVED HEREIN MAY RESULT IN THE WITHHOLDING OF FINAL APPROVAL AND/OR A CERTIFICATE OF OCCUPANCY UNTIL SUCH TIME AS THE BUILDING OR STRUCTURE CONFORMS TO THE PLANS AND ELEVATIONS AS APPROVED BY

PLANS APPROVED ARCHITECTURAL
Building & Safety Dept.
SEP 06 2011

Does not include Mechanical, Electrical or Plumbing Improvements Shown. Without Approval. Not a Permit to Violate Any Ordinance

AS-BUILT RECORD



NORTH

Call before you OVERHEAD 1-702-227-2929

Call before you Dig. CALL 811

REVISIONS

CONSULTANT

LAS VEGAS, NV
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T 702.253.3338 | F 702.253.1315

CARLSBAD, CA
2246 FARADAY AVE. | CARLSBAD, CA 92008

JWZ Incorporated | NV #1651 LIT #3334 | AZ #3334 | CA #3738 | TX #1738

J W Z U N I N O
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
TOT-LOT FABRIC SHADE SHELTER

DRAWINGS AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE DESIGN PROFESSIONAL WHOSE STAMP OF CERTIFICATION APPEARS ON THE DRAWINGS AND SPECIFICATIONS RETAINED BY THE CLIENT MAY BE UTILIZED ONLY FOR OCCUPYING THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT IN A C 03.700
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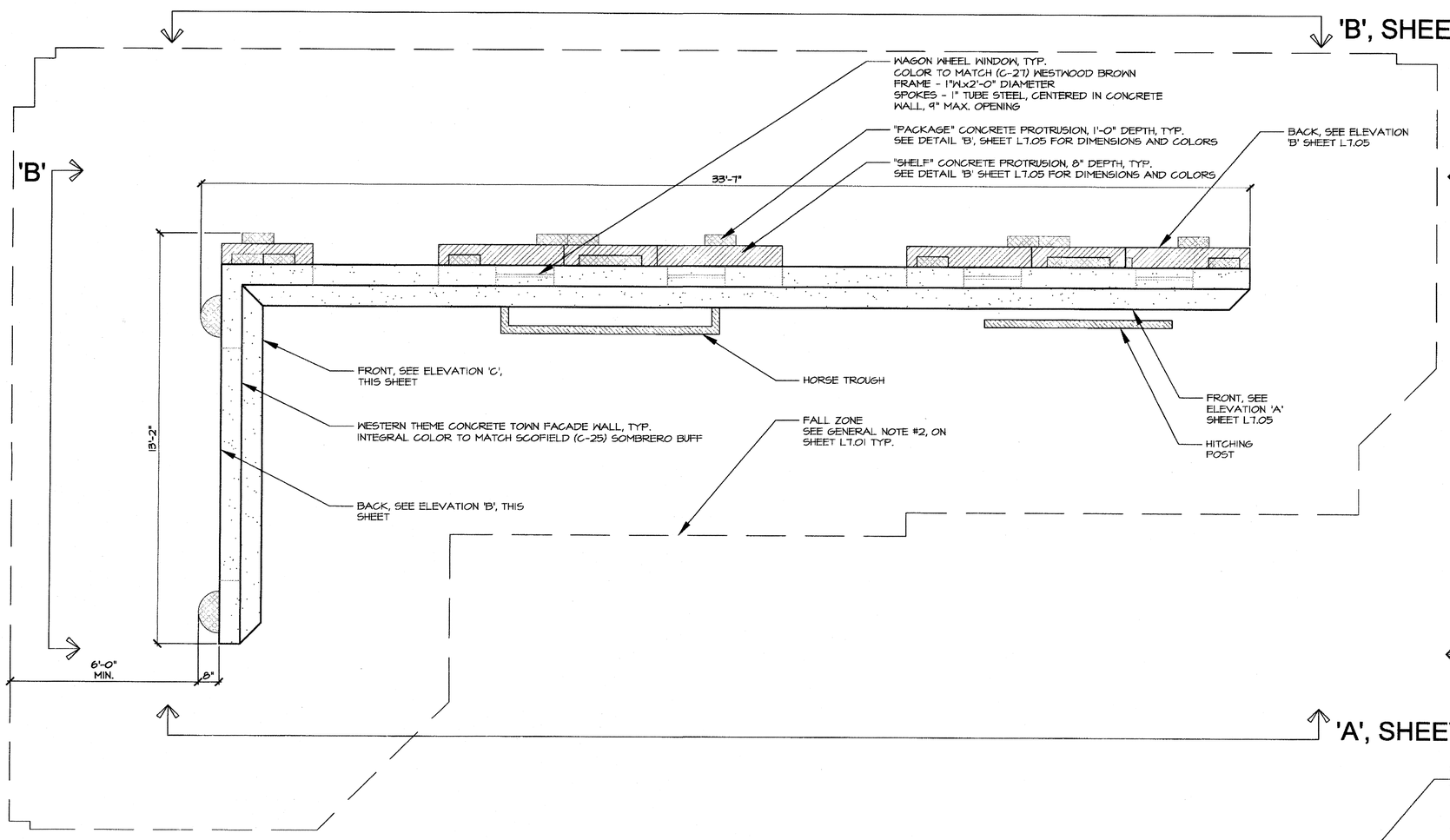
STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. LANGHAM
7338
Expires: 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
DRAWING FILE	06-Toilet
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.1534104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L7.03

Lorenzi Park-0254.tif
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VISUAL REPRESENTATION ONLY

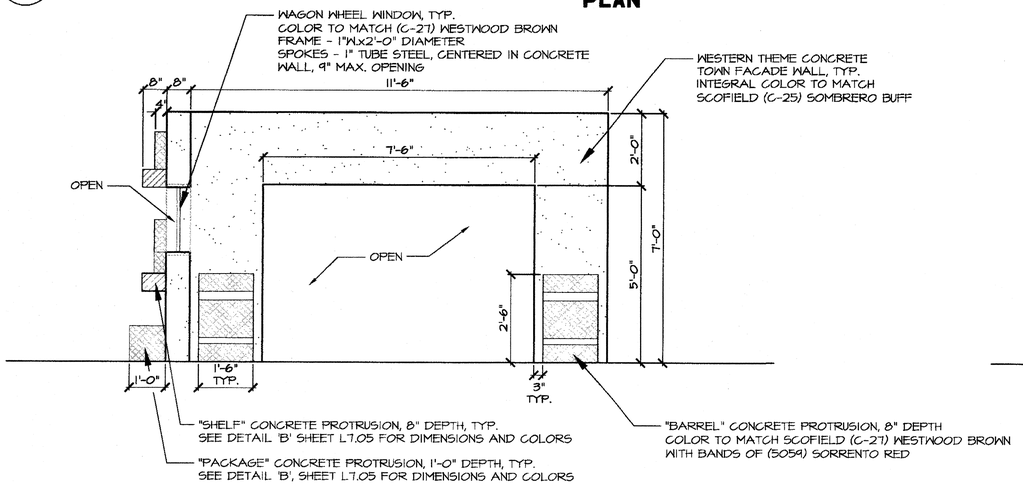
NOT TO SCALE

GENERAL NOTES:
CONSTRUCTION METHOD: STEEL REBAR, 3,600 PSI (OR HIGHER) CONCRETE EMBOSSED, CARVED AND TEXTURED TO RESEMBLE THE APPROVED MODEL, PROVIDED BY SUPPLIER. EACH PIECE IS TO BE PAINTED IN A MULTI-LAYER PAINT SCHEME USING ACRYLIC LATEX PAINTS. FINAL APPLICATION WILL BE AN ANTI-GRAFITTI COATING.

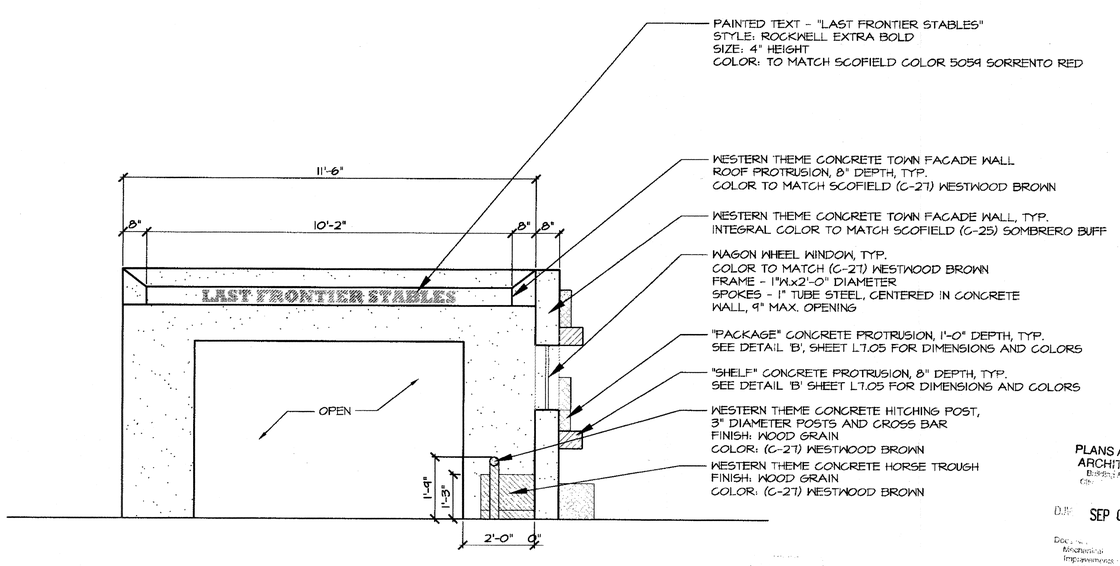
- ALL CUSTOM, HAND CARVED AND PAINTED
- 5+ YEARS IN BUSINESS UNDER SAME NAME, PROVEN ABILITY TO COMPLETE PROJECTS (3 MIN.) OF SIMILAR SIZE, VALUE AND SCOPE, INCLUDING PHOTOGRAPHS, REFFERENCES AND PROJECT DESCRIPTION.
- PROSPECTIVE COMPANIES MUST ILLUSTRATE AN ABILITY TO STAFF THIS PROJECT AND COMPLETE WORK WITHIN THE DESIGNATED SCHEDULE.
- CONTRACTOR TO SUBMIT ARE SHOP DRAWINGS AND 1/4"=1'-0" SCALE MODELS DEMONSTRATING FINISH, COLOR, TEXTURE, ETC. FOR APPROVAL IN ACCORDANCE WITH SPECIFICATIONS.

RECORD AS-BUILT

A P1-1 NORTH TOT-LOT TOWN FACADE WALL PLAN



B P1-1 N. TOT-LOT TOWN FACADE WALL - ELEVATION BACK



C P1-1 N. TOT-LOT TOWN FACADE WALL - ELEVATION FRONT

PLANS APPROVED
ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas
DATE: SEP 06 2011
Department of Building, Mechanical, Improvements, Water, Fire Protection, Health, Compliance

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT — AVOID HITTING OVERHEAD UTILITY LINES. IT'S CLASSIC!

Call before you Dig. CALL 811 BLUE STAKE, INC. — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CRAZY!

Lorenzi Park-10255.ttf
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REVISIONS

CONSULTANT

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T. 702.253.8588 F. 702.253.1018
C A R L S B A D C A
2248 FARADAY AVE | CARLSBAD, CA 92008
jwzunino.com | plan review: 1 | corrections: 1 | comments: 0
NV # 361 | CT # 24594 | NM # 882 | AZ # 29194 | CA # 2798 | TX # 1138
J W Z U N I N O
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
TOT-LOT TOWN FACADE WALL STRUCTURES

STAMP

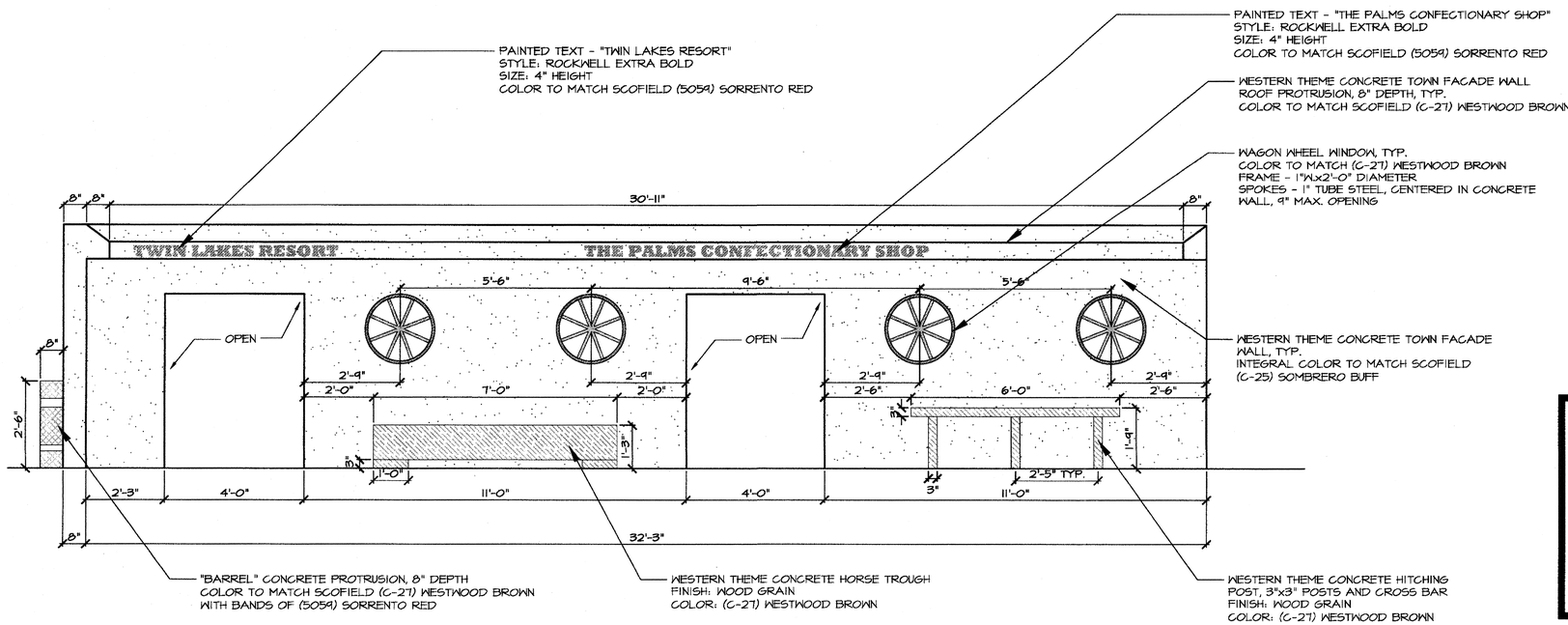
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGDON
733
Expires 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

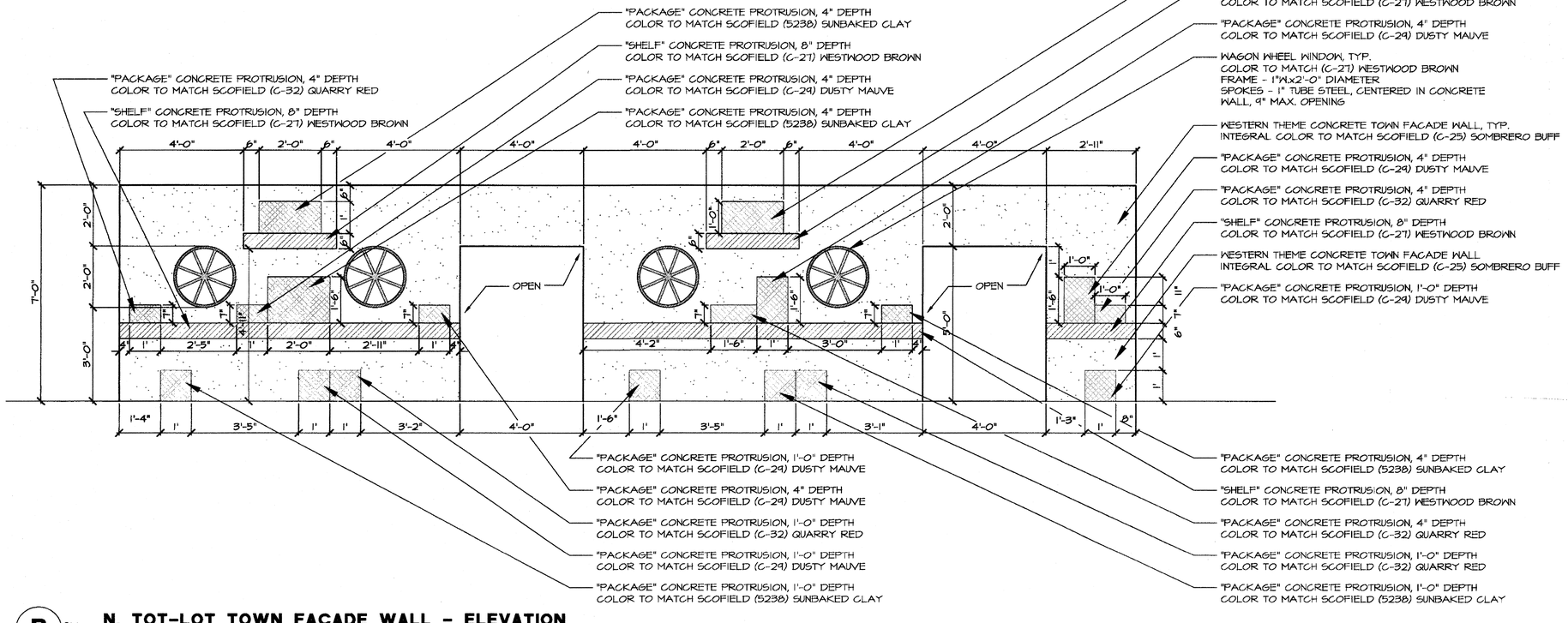
DRAWN	CEB
FILE	B6-TotLot
DATE	6/27/2011
SCALE	1/2"=1'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L7.04

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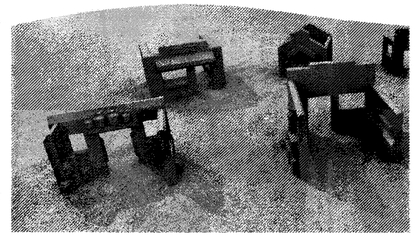
A P1-1 N. TOT-LOT TOWN FACADE WALL - ELEVATION

FRONT



B P1-1 N. TOT-LOT TOWN FACADE WALL - ELEVATION

BACK



VISUAL REPRESENTATION ONLY

NOT TO SCALE

GENERAL NOTES:
CONSTRUCTION METHOD: STEEL REBAR, 3,600 PSI (OR HIGHER) CONCRETE EMBOSSED, CARVED AND TEXTURED TO RESEMBLE THE APPROVED MODEL, PROVIDED BY SUPPLIER. EACH PIECE IS TO BE PAINTED IN A MULTI-LAYER PAINT SCHEME USING ACRYLIC LATEX PAINTS. FINAL APPLICATION WILL BE AN ANTI-GRAFITTI COATING.

- ALL CUSTOM, HAND CARVED AND PAINTED
- 5+ YEARS IN BUSINESS UNDER SAME NAME, PROVEN ABILITY TO COMPLETE PROJECTS (3 MIN.) OF SIMILAR SIZE, VALUE AND SCOPE, INCLUDING PHOTOGRAPHS, REFERENCES AND PROJECT DESCRIPTION.
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RECORD AS-BUILT

PLANS APPROVED
ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas, Nevada
Date: SEP 06 2011
Does not authorize plumbing, electrical, mechanical, or Site Improvements or Change of Occupancy
Not a Permit. See Ordinance

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT (SAV)

REVISIONS

CONSULTANT

LAS VEGAS, NV
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T. 702.253.9390 | F. 702.253.1015

CARLSBAD, CA
2248 FARADAY AVE. | CARLSBAD, CA 92008

JW ZUNINO
LANDSCAPE ARCHITECTURE

jwzunino.com | NV #1061 LOT #9334 | AZ #32134 | CA #3738 | TX #1138

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
TOT-LOT TOWN FACADE WALL STRUCTURES

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANDRUM
783
Expires 6/30/12
STATE OF NEVADA

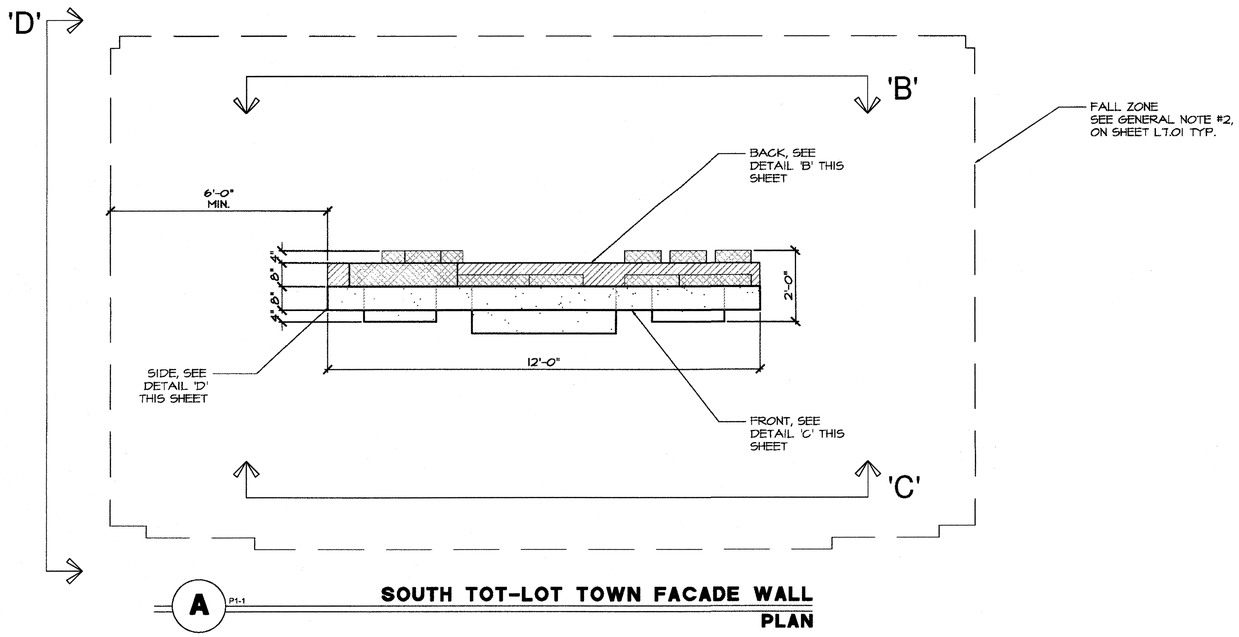
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	B6-Tot lot
DATE	6/27/2011
SCALE	1"=5'-0"
BID NO	10.1534.04
CLV DWG NO	650.13-47-2
HANSEN NO	33039
SHT NO	L7.05

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A P1-1 **SOUTH TOT-LOT TOWN FACADE WALL**
PLAN



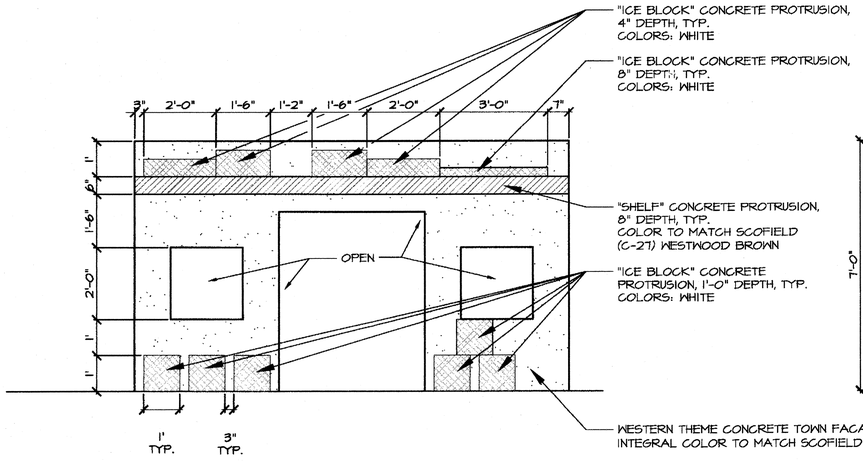
VISUAL REPRESENTATION ONLY

NOT TO SCALE

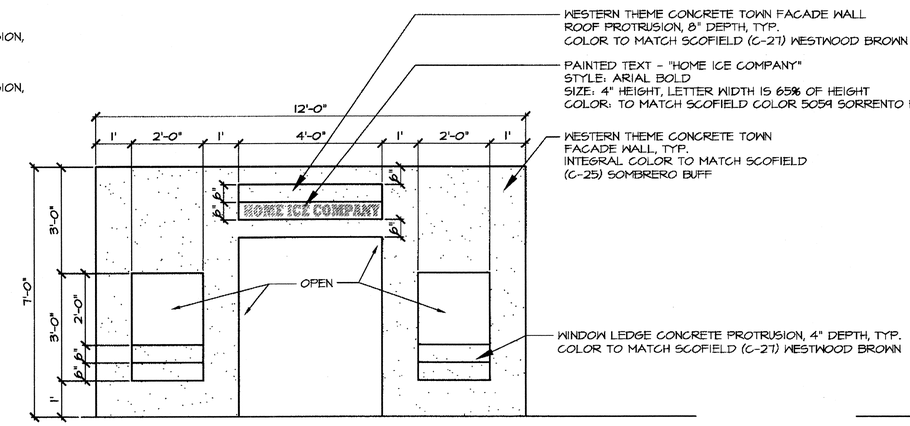
GENERAL NOTES:
CONSTRUCTION METHOD: STEEL REBAR, 3,600 PSI (OR HIGHER) CONCRETE EMBOSSED, CARVED AND TEXTURED TO RESEMBLE THE APPROVED MODEL, PROVIDED BY SUPPLIER. EACH PIECE IS TO BE PAINTED IN A MULTI-LAYER PAINT SCHEME USING ACRYLIC LATEX PAINTS. FINAL APPLICATION WILL BE AN ANTI-GRAFFITI COATING.

- ALL CUSTOM, HAND CARVED AND PAINTED
- 5+ YEARS IN BUSINESS UNDER SAME NAME, PROVEN ABILITY TO COMPLETE PROJECTS (3 MIN.) OF SIMILAR SIZE, VALUE AND SCOPE, INCLUDING PHOTOGRAPHS, REFERENCES AND PROJECT DESCRIPTION.
- PROSPECTIVE COMPANIES MUST ILLUSTRATE AN ABILITY TO STAFF THIS PROJECT AND COMPLETE WORK WITHIN THE DESIGNATED SCHEDULE.
- CONTRACTOR TO SUBMIT ARE SHOP DRAWINGS AND 1/4"=1'-0" SCALE MODELS DEMONSTRATING FINISH, COLOR, TEXTURE, ETC. FOR APPROVAL IN ACCORDANCE WITH SPECIFICATIONS.

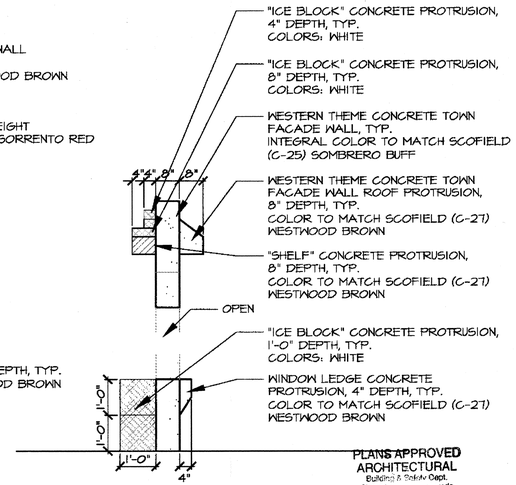
RECORD
AS-BUILT



B P1-1 **SOUTH TOT-LOT TOWN FACADE WALL**
BACK



C P1-1 **SOUTH TOT-LOT TOWN FACADE WALL**
FRONT



PLANS APPROVED
ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas

DATE: SEP 06 2011

Does not include Medians, Landscaping, Irrigation, Improvements in Right-of-Way, etc.
Not a Permit to Violate any Ordinance

D P1-1 **SOUTH TOT-LOT TOWN FACADE WALL**
SIDE

Call before you OVERHEAD 1-702-227-2929 — Call before you Dig. CALL 811

J·W ZUNINO
LANDSCAPE ARCHITECTURE
LAS VEGAS, NV
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T 702.253.9380 F 702.253.1018
CARLSBAD, CA
2249 FARADAY AVE. | CARLSBAD, CA 92008
jzuninoinc.com | LANDSCAPE | MAINTENANCE | CONSTRUCTION
NV #1301.17 #29304 | AZ #23134 | CA #2738 | TX #1738

REVISIONS:

CONSULTANT:

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
TOT-LOT TOWN FACADE WALL STRUCTURES

STAMP

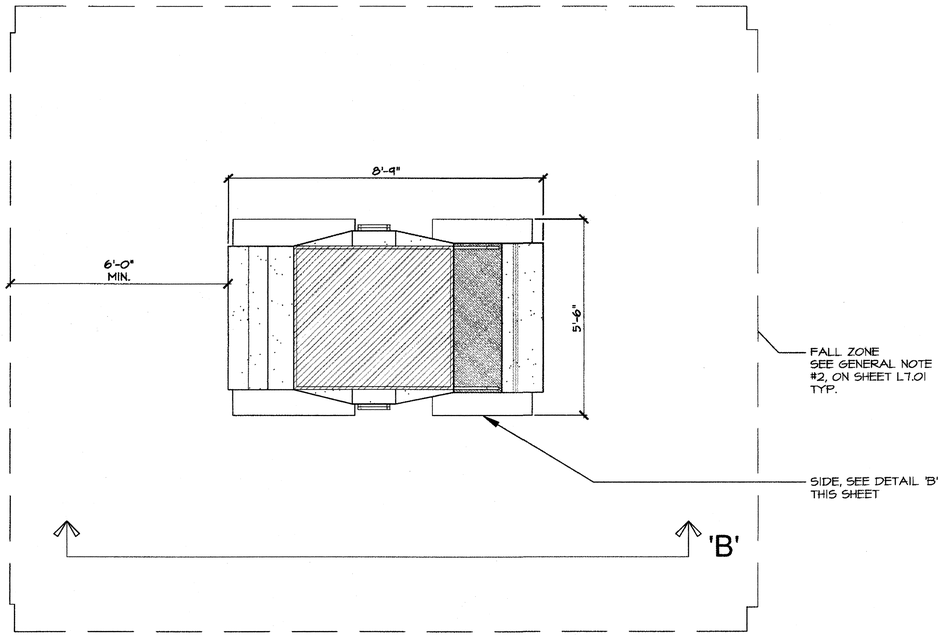
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
733
Expires 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

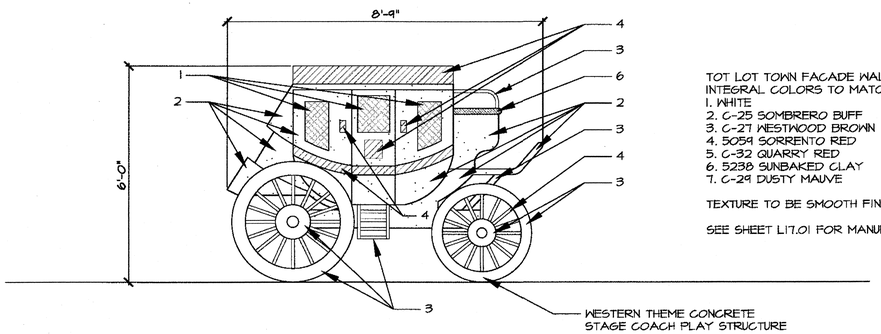
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-Tot.lot
DATE	6/7/2011
SCALE	1/2"=1'-0"
SHD NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L7.06

THESE DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE DESIGN PROFESSIONAL, WHOSE STAMP OF CERTIFICATION APPEARS ON THE DRAWINGS AND SPECIFICATIONS AND SHALL NOT BE USED BY THE CLIENT OR ANY OTHER PERSON OR ENTITY FOR ANY PURPOSE WHATSOEVER UNLESS WITH THE EXPRESS WRITTEN CONSENT OF THE DESIGN PROFESSIONAL. ANY UNAUTHORIZED USE OR REPRODUCTION IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT IS STRICTLY PROHIBITED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT IN A 45.5 MILE RADIUS OF THE PROJECT FOR WHICH THEY WERE PREPAR



A P1-1 STAGE COACH PLAY STRUCTURE PLAN

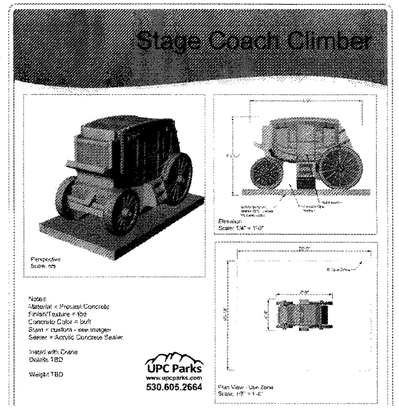


TOT LOT TOWN FACADE WALL COLORS.
INTEGRAL COLORS TO MATCH SCOFIELD
1. WHITE
2. C-25 SOMBRERO BUFF
3. C-27 WESTWOOD BROWN
4. 5059 SORRENTO RED
5. C-32 QUARRY RED
6. 5238 SUNBAKED CLAY
7. C-29 DUSTY MAUVE

TEXTURE TO BE SMOOTH FINISH

SEE SHEET L17.01 FOR MANUFACTURERS

B P1-1 STAGE COACH PLAY STRUCTURE - ELEVATION SIDE



VISUAL REPRESENTATION ONLY

NOT TO SCALE

GENERAL NOTES:
CONSTRUCTION METHOD: STEEL REBAR, 3,600 PSI (OR HIGHER) CONCRETE EMBOSSED, CARVED AND TEXTURED TO RESEMBLE THE APPROVED MODEL, PROVIDED BY SUPPLIER. EACH PIECE IS TO BE PAINTED IN A MULTI-LAYER PAINT SCHEME USING ACRYLIC LATEX PAINTS. FINAL APPLICATION WILL BE AN ANTI-GRAFITTI COATING.

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- CONTRACTOR TO SUBMIT ARE SHOP DRAWINGS AND 1/4"=1'-0" SCALE MODELS DEMONSTRATING FINISH, COLOR, TEXTURE, ETC. FOR APPROVAL IN ACCORDANCE WITH SPECIFICATIONS.

RECORD AS-BUILT

PLANS APPROVED
ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas, Nevada

DATE SEP 06 2011

Plan Review for Plumbing, Mechanical and On-Site Improvements does not Change With Respect to Plan is Made to Comply with Any Ordinance

APPROVED
CITY OF LAS VEGAS

NORTH

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER/ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT (USA)

REVISIONS

CONSULTANT

L A S V E G A S N V
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T. 702.253.9336 F. 702.253.1015

C A R L S B A D CA
2246 FARADAY AVE | CARLSBAD, CA 92008

JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
TOT-LOT TOWN FACADE WALL STRUCTURES

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER E. LINGHAM
738
Expires 12.31.12
STATE OF NEVADA

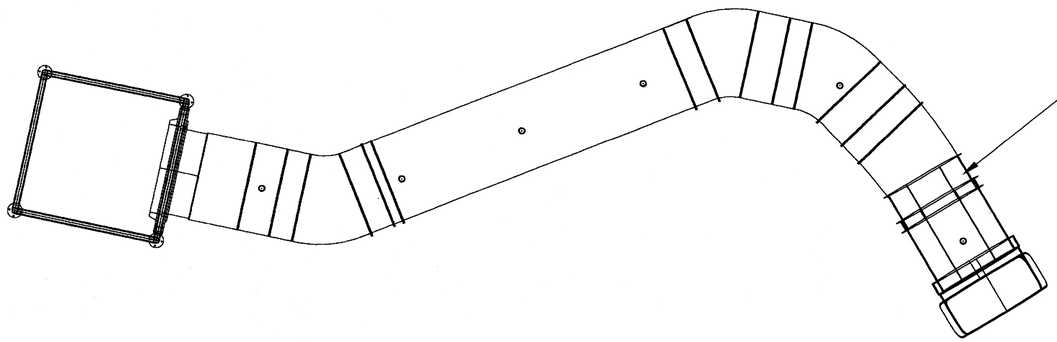
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	E36-Totlot
DATE	8/27/2011
SCALE	1/2"=1'-0"
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L7.07

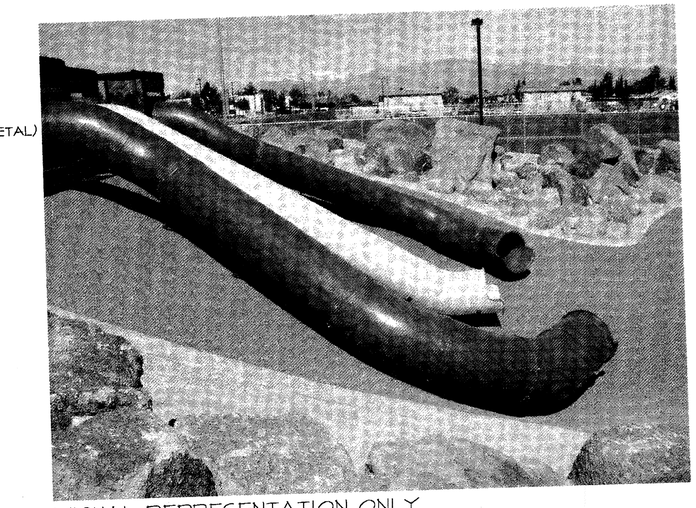
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UNAUTHORIZED COPIES OF THE DRAWINGS AND SPECIFICATIONS REVISED BY THE CLIENT ARE STRICTLY PROHIBITED. COPIES OF THE DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE DESIGN PROFESSIONAL WHOSE STAMP OF CERTIFICATION APPEARS ON THE DRAWINGS AND SPECIFICATIONS. ANY USE OR REPRODUCTION IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT IS STRICTLY PROHIBITED. COPIES OF THE DRAWINGS AND SPECIFICATIONS REVISED BY THE CLIENT MAY BE UTILIZED ONLY FOR DEVELOPING THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT W A I C 63178

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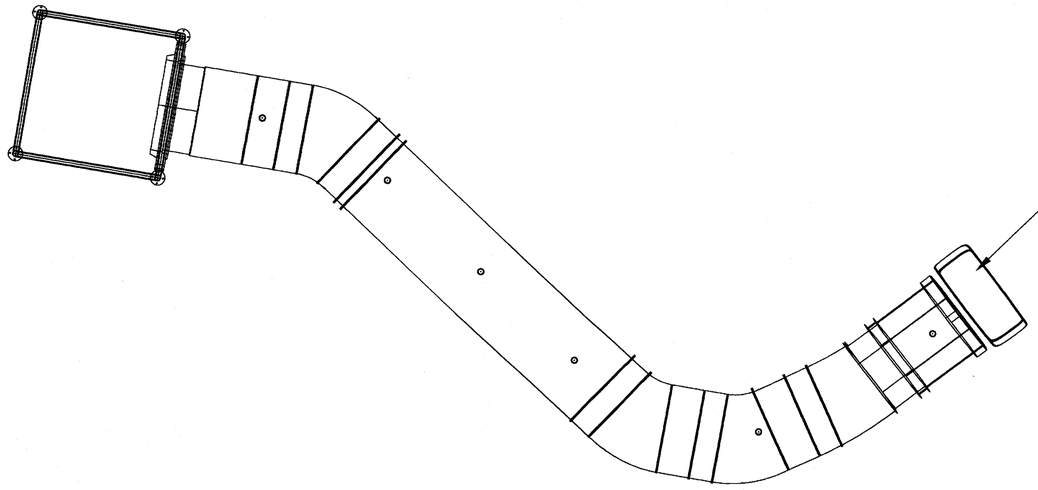
CUSTOM TUBE SLIDE
COLOR: (PLASTICS AND METAL)
BEIGE

A P1-1 **TUBE SLIDE LEFT CURVE**



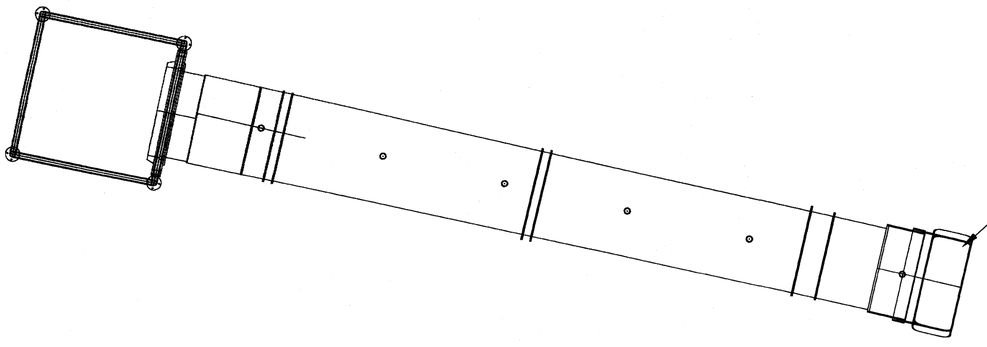
VISUAL REPRESENTATION ONLY

NOT TO SCALE



CUSTOM TUBE SLIDE
COLOR: (PLASTICS AND METAL)
BEIGE

B P1-1 **TUBE SLIDE RIGHT CURVE**



CUSTOM TUBE SLIDE
COLOR: (PLASTICS AND METAL)
BEIGE

C P1-1 **TUBE SLIDE STRAIGHT**

NOTE:

1. REPRESENTATIVE DESIGN INTENT FROM MANUFACTURER. SEE SHEET L17.01 FOR APPROVED MANUFACTURERS.
2. SHALL COMPLY WITH CURRENT ASTM F-1487 AND CPSC GUIDELINES
3. SHALL BE INSPECTED AND TESTED BY AN INDEPENDENT THIRD PARTY INSPECTOR TO MEET CURRENT ASTM F-1487 AND CPSC STANDARDS AND GUIDELINES
4. ROTATIONAL MOLDED PLASTIC TUBE SLIDE SHALL BE AT A MINIMUM ¼" THICK, LINEAR, LOW DENSITY, ROTATIONALLY MOLDED, U.V. STABILIZED POLYETHYLENE

RECORD
AS-BUILT

NORTH

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER CO. ELEVATED LINE SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT (USA)

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REVISIONS

CONSULTANT

LAS VEGAS, NV
3191 S. JONES BLVD. LAS VEGAS, NV 89146
T: 702.252.5930 F: 702.253.1316

CARLSBAD, CA
2218 FARADAY AVE. CARLSBAD, CA 92008

JWZ PROJECT #2020-01 | NV# 0067 | AZ #0034 | CA #3738 | TX #1781

JWZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
TOT-LOT EQUIPMENT

STAMP

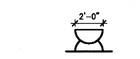
REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANGMAN 733 Exp. 6/30/17 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

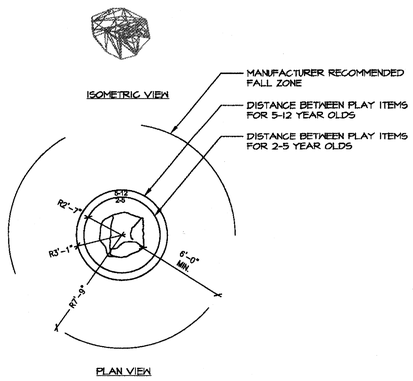
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-2232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-Toilet
DATE	6/27/2016
SCALE	1/2"=1'-0"
BID NO	10.15391.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L7.08

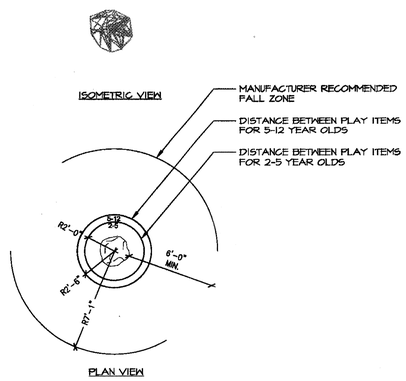
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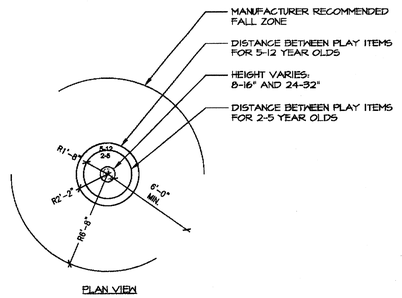
A 6' HALF LOG BENCH



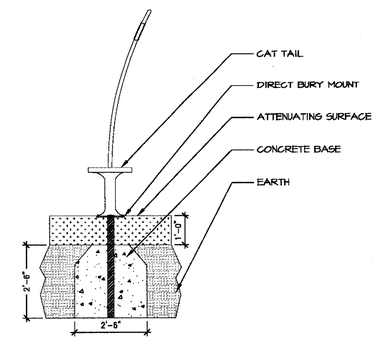
B B1-2 MEDIUM BOULDER



C B2-1 STEPPING BOULDER - SMALL



D LOG STEPPER - 8-16" AND 24-32"



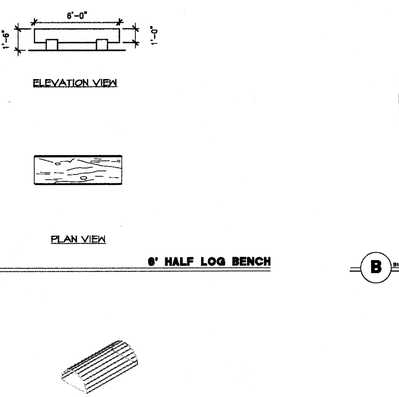
E CAT TAIL - SPINNING/SWAYING

F 4' LOG BALANCE BEAM

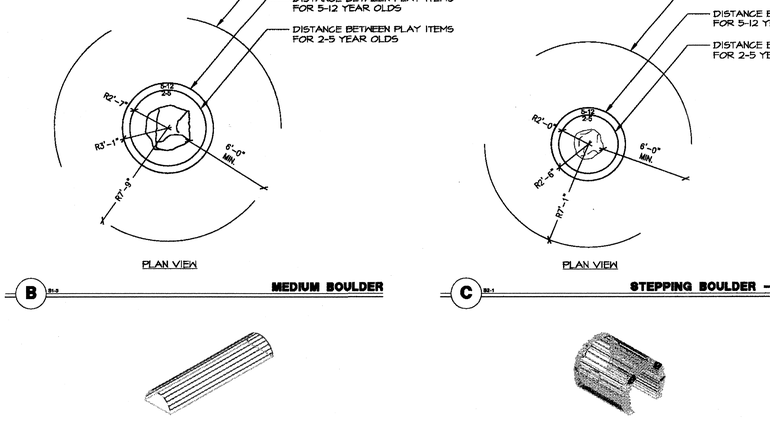
G B3-4 8' LOG BALANCE BEAM



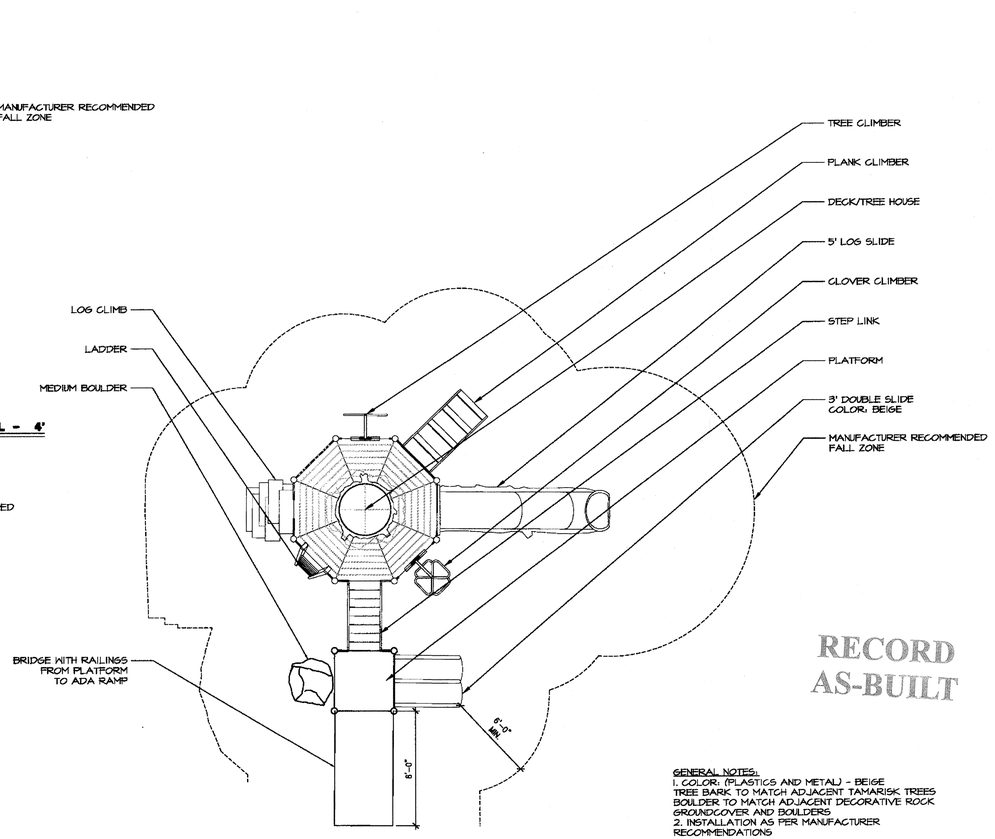
H B3-1 HOLLOW LOG CRAWL - 4'



J HOLLOW LOG CRAWL - 8'



K TREE TRUNK SWING



L PLAY FORT

GENERAL NOTES:
1. COLOR: (PLASTICS AND METAL) - BEIGE
TREE BARK TO MATCH ADJACENT TAMARISK TREES
BOULDER TO MATCH ADJACENT DECORATIVE ROCK
GROUNDCOVER AND BOULDERS
2. INSTALLATION AS PER MANUFACTURER RECOMMENDATIONS

REPRESENTATIVE DESIGN INTENT FROM MANUFACTURER. SEE SHEET L17.01 FOR APPROVED MANUFACTURERS.

RECORD AS-BUILT

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT (SAA)

REVISIONS

CONSULTANT

L A S V E G A S N V
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T: 702.253.1616 | F: 702.253.1618

C A R L S B A D C A
2348 FARADAY AVE. | CARLSBAD, CA 92008

jwzunino.com | las vegas, nv | carlsbad, ca
NV #1561 | UT #10861 | AZ #0184 | CA #4738 | TX #1736

J W Z U N I N O
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
TOT-LOT EQUIPMENT

STAMP

REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANGHAM 733 Expires: 01.30.12 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	L16-Tot lot
DATE	6/17/2011
SCALE	1/2"=1'-0"
BID NO	10.1531.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L7.09

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Lorenzi Park-0260.tif
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NOTE:

1. REFER TO THE INSTALLATION DRAWING OF EACH PLAY PRODUCT & CABINET MANIFOLD SYSTEM FOR SPECIFIC INSTALLATION DETAILS, SEE SHEETS L7.11-L7.12.

2. WATER DISTRIBUTION SYSTEM CONFIGURATION IS DRAWN FOR GRAPHIC CLARITY, ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.

3. SPLASHPAD ACTIVITY DECK & DRAIN LINES ARE TO HAVE A 1-2% SLOPE TO OPTIMIZE DRAINAGE.

4. ALL PIPING TO FEATURES ARE TO HAVE A 1-2% SLOPE FOR WINTERIZATION.

5. ALL LINE SIZING FROM LEGEND 1 ASSUMES A MAXIMUM DISTANCE OF 150 FEET BETWEEN THE WATER DISTRIBUTION MANIFOLD AND THE FURTHEST PLAY PRODUCT. DISTANCES ABOVE 150 FEET WILL REQUIRE AN INCREASE IN LINE SIZING FOR THE WET SALOON TO A 2" LINE. PLEASE CONTACT LANDSCAPE ARCHITECT.

6. ALL PIPING BETWEEN THE DECK DRAINS, PLAY PRODUCTS & WATER DISTRIBUTION SYSTEM ARE TO BE SCHEDULE 80 PVC.

7. LINES FROM DECK DRAINS SHALL BE 4" AND SHALL COMBINE INTO A 6" LINE.

8. WHEN CONNECTING MULTIPLE PLAY PRODUCTS TO ONE FEEDER LINE, THE JUNCTION POINT (SPLIT OR T) SHALL BE PLACED IN THE MID POINT BETWEEN EACH PLAY PRODUCT.
FAILURE TO DO SO MAY RESULT IN UNEQUAL SPRAY EFFECTS BETWEEN PLAY PRODUCTS.

9. WIRING FROM THE CONTROLLER TO EACH ACTIVATOR SHALL BE #14 AWG. A TOTAL OF TWO (2) CONDUCTORS PER ACTIVATOR.

10. ALL CONNECTIONS TO THE CONTROLLER SHALL BE PERFORMED USING AN APPROVED NEMA 4X CONNECTOR.

11. THE CONTRACTOR SHALL VERIFY THE STATIC WATER PRESSURE AT THE POINT OF CONNECTION AND MAKE FINAL CONNECTIONS ALLOWING FOR ANY POSSIBLE DEVIATIONS FROM LOCATIONS SHOWN ON PLANS DUE TO SITE CONDITIONS. ANY DEVIATIONS FROM THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.

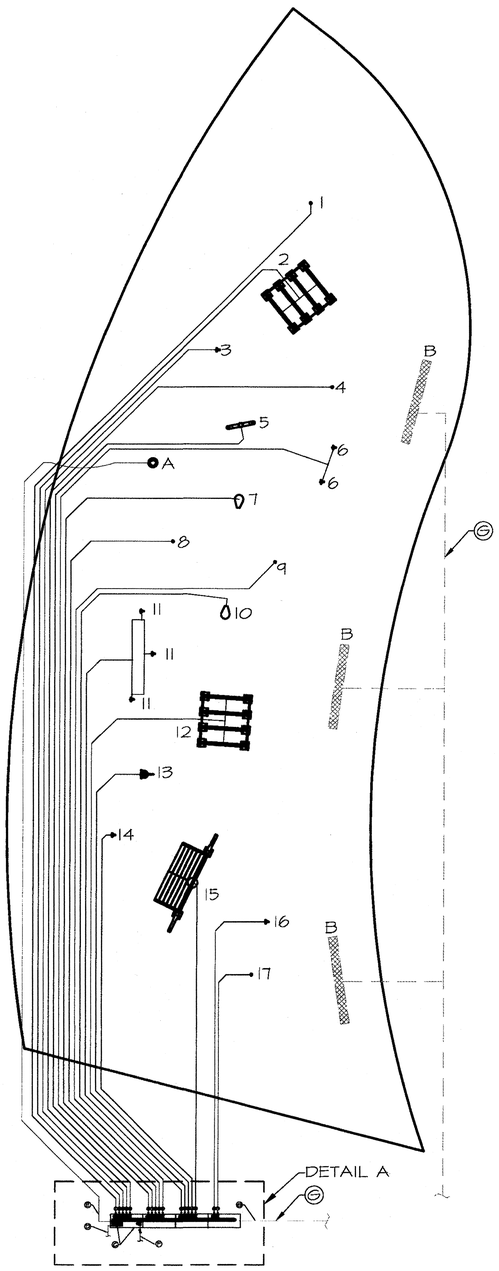
12. TOTAL COMBINED FLOW CAPACITY OF PLAY PRODUCT IS 121 GPM.
MAXIMUM FLOW CAPACITY OF MANIFOLD IS 144 GPM

13. VALVE NUMBER 1 IS LOCATED ON THE TOP LEFT WHEN FACING THE CABINET DOOR IN THE CLOSED POSITION

14. BALL VALVE TO BE ADDED TO ALL LINES AFTER SOLENOID VALVE (MECHANICAL COUPLING - NOT GLUED)

15. WATER SUPPLY TO FEATURES MUST BE ON A CENTRAL VALVE, SEE SHEET C5.04, CONNECT TO MAIN SWITCHBOARD PANEL "L4" THEN TO BE ROUTED THROUGH TIME CLOCK SEE DRAWING ES5 FOR MS2 LOCATION AND ELECTRICAL CONNECTIONS.

TOTAL AREA: 4834FT² /449M²
SPRAY AREA: 3345FT² /310M²



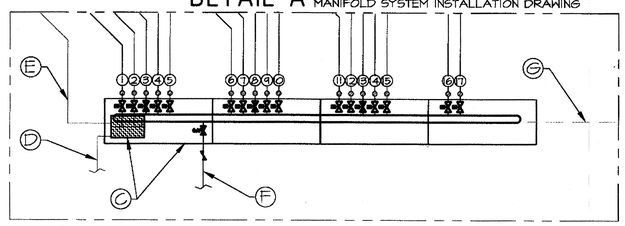
LEGEND -2

CODE	PRODUCT	QTY	LINE SIZE
A	BOLLARD ACTIVATOR N 3 VOR-611	1	
B	DECK DRAIN	3	4"
C	VORTEX 17 VALVE ABOVE GROUND COMMAND CENTER WITH 18 OUTPUT SMARTFLOW 2 CONTROLLER VOR-1717.30AO		
D	ELECTRICAL CONDUIT FROM CONTROLLER TO ACTIVATOR; 2 CONDUCTORS#14 AWG (BY INSTALLER)		
E	ELECTRICAL SERVICE LINE 120 VAC, 10 AMP SERVICE		
F	CITY WATER LINE		2" MINIMUM
G	DRAIN LINE SEE SHEET C5.04		
	SOLENOID VALVE	17	
	PRESSURE REGULATOR	1	
Z	RPPA - FEBCO 825YA TO BE INSTALLED IN SEPARATE ENCLOSURE, SEE DETAIL 'F', SHEET L8.02	1	
	BALL VALVE	17	

LEGEND -1

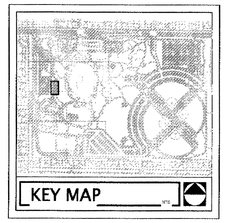
LINE	PRODUCT	QTY	LINE SIZE	GPM
1	GROUND GEYSER VOR-301	1	1 1/2"	5
2	WESTERN WAGON VOR-7543	1	1 1/2"	20
3	JET STREAM VOR-7512	1	1 1/2"	3
4	GROUND GEYSER VOR-301	1	1 1/2"	5
5	CACTUS VOR-7390	1	1 1/2"	18
6	JET STREAM VOR-7512	2	1 1/2"	6
7	HORSE CANNON VOR-210	1	1 1/2"	5
8	GROUND GEYSER VOR-301	1	1 1/2"	5
9	GROUND GEYSER VOR-301	1	1 1/2"	5
10	HORSE CANNON VOR-210	1	1 1/2"	5
11	JET STREAM VOR-7512	3	1 1/2"	9
12	WESTERN WAGON VOR-7543	1	1 1/2"	20
13	CUSTOM OLD STYLE HANDPUMP VOR-8446	1	1 1/2"	1
14	JET STREAM VOR-7512	1	1 1/2"	3
15	WET SALOON VOR-0403	1	2"	30
16	JET STREAM VOR-7512	1	1 1/2"	3
17	GROUND GEYSER VOR-301	1	1 1/2"	5

DETAIL A REFER TO DETAIL 'E' ON SHEET L7.11 FOR CABINET MANIFOLD SYSTEM INSTALLATION DRAWING



RECORD AS-BUILT

GENERAL NOTES:
DESIGN/DETAILS AS PER VORTEX ASI INC.
SEE SHEET L17.01-L17.02 FOR MANUFACTURERS INFORMATION.
QUANTITIES DISCLAIMER: SEE SPECIFICATIONS SECTION 01 10 00, 1.2



NORTH

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT (USA)

REVISIONS

CONSULTANT

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319 S. JONES BLVD | LAS VEGAS, NV 89107
P: 702.258.8390 | F: 702.258.8391
CARLSBAD CA
2715 LOKER AVE W. | CARLSBAD, CA 92010
jwsunino.com | JW # 1561 | LIC # 25334 | NV # 1561 | LIC # 25334 | AZ # 25334 | CA # 25334 | TX # 1136

JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
SPLASH PAD PIPING PLAN & NOTES

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANDRUM
783
STATE OF NEVADA
Expires: 6/30/12

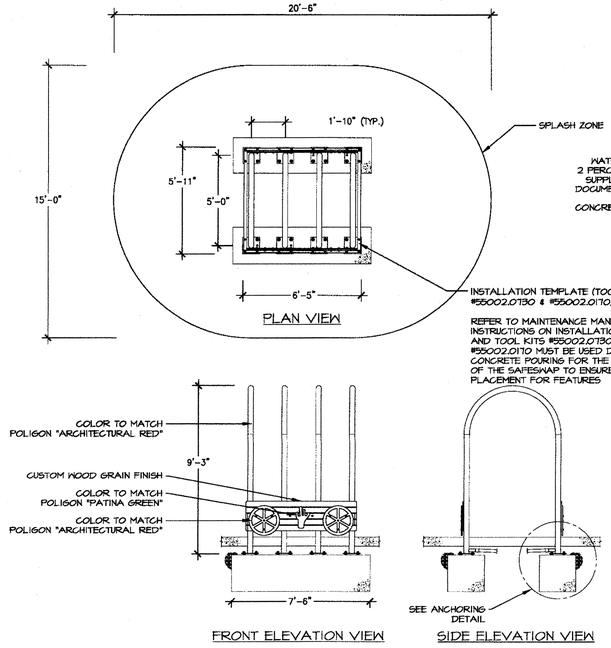
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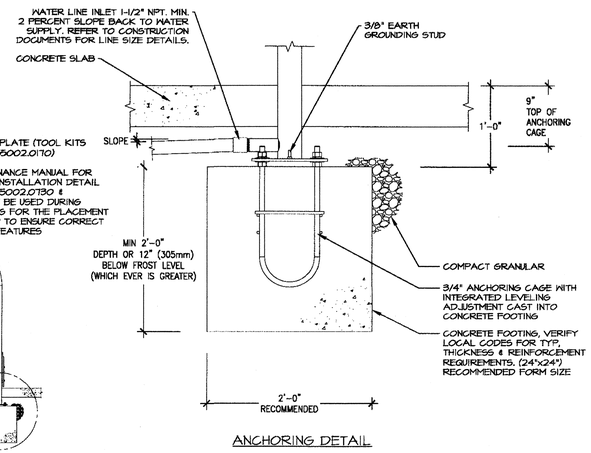
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6533
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-Splashpad
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L7.10

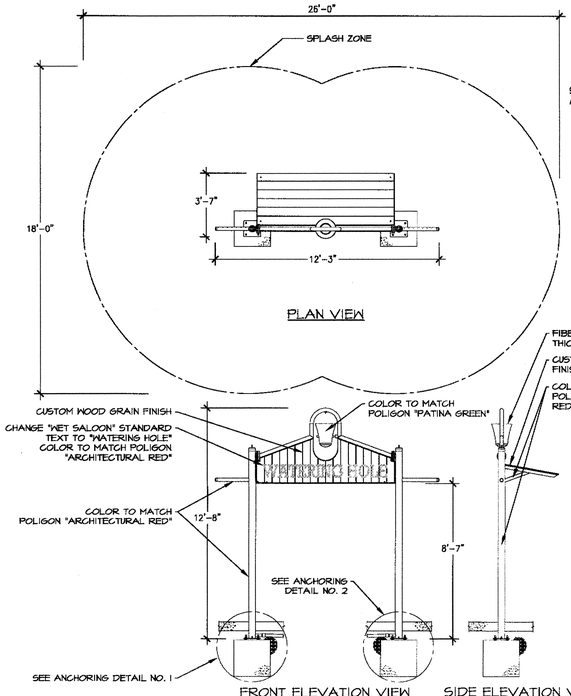
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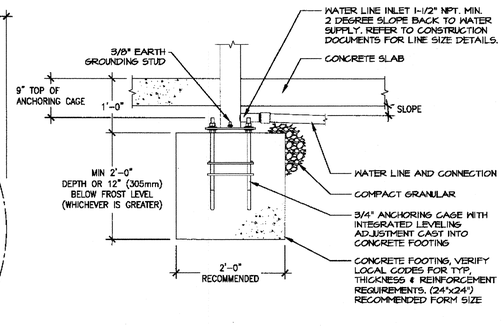


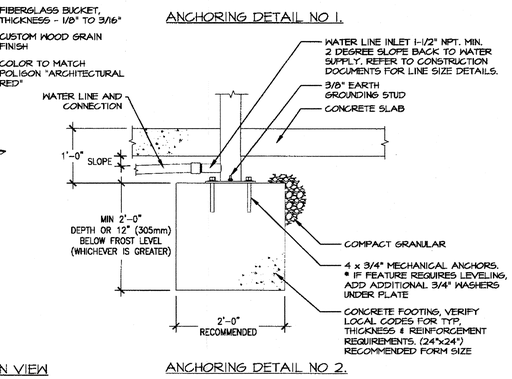


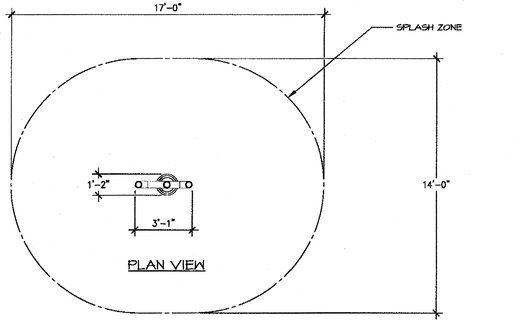
A P1-1 **WESTERN WAGON DETAIL**
NTS



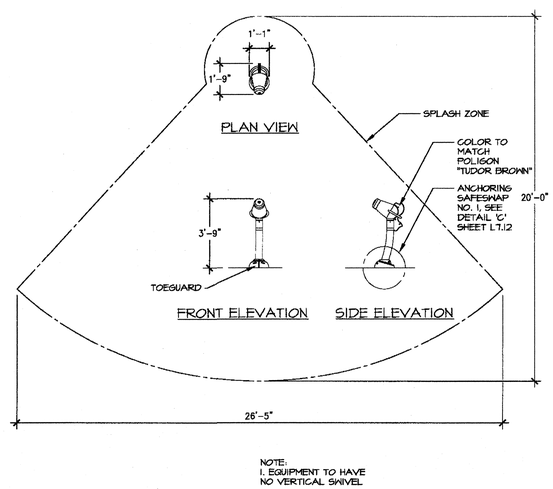
B **WET SALOON DETAIL**
NTS



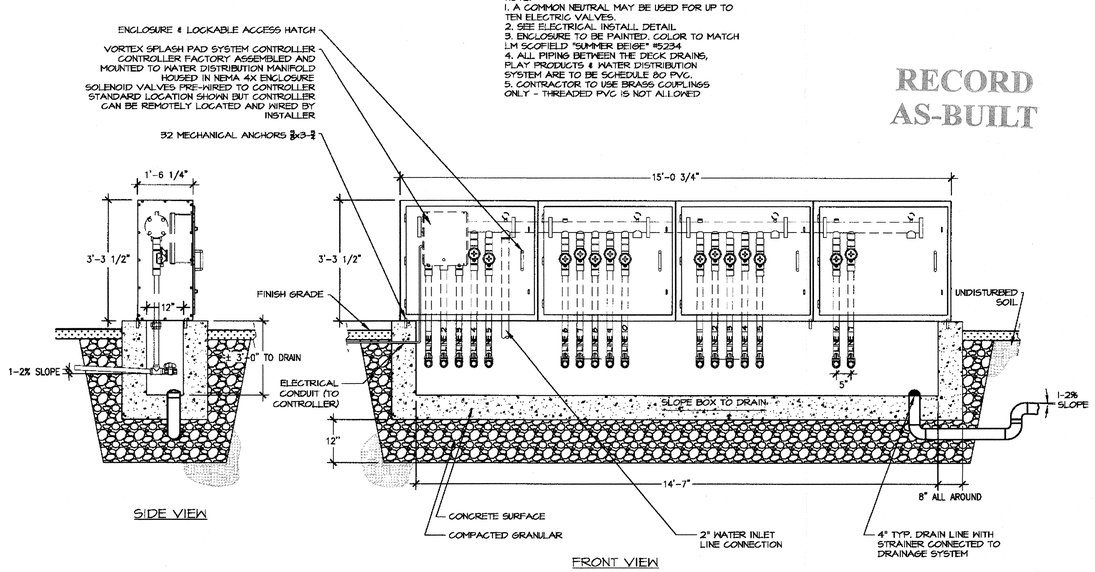




C P1-1 **CACTUS DETAIL**
NTS



D **HORSE CANNON DETAIL**
NTS



E **ABOVE GRADE COMMAND CENTER**
NTS

GENERAL NOTES:
DESIGN/DETAILS AS PER VORTEX ASI INC.
SEE SHEET L17.01-L17.02 FOR MANUFACTURERS INFORMATION.
QUANTITIES DISCLAIMER: SEE SPECIFICATIONS SECTION 01 10 00, 1.2

RECORD AS-BUILT

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REVISIONS

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CARLSBAD CA
2215 FAIRFAX AVE. CARLSBAD, CA 92008

jwzuning.com | NV # 1161 | UT # 10284 | NM # 283 | AZ # 23136 | CA # 2738 | TX # 9138

J W Z U N I N G
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
SPLASH PAD DETAILS

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STAMP

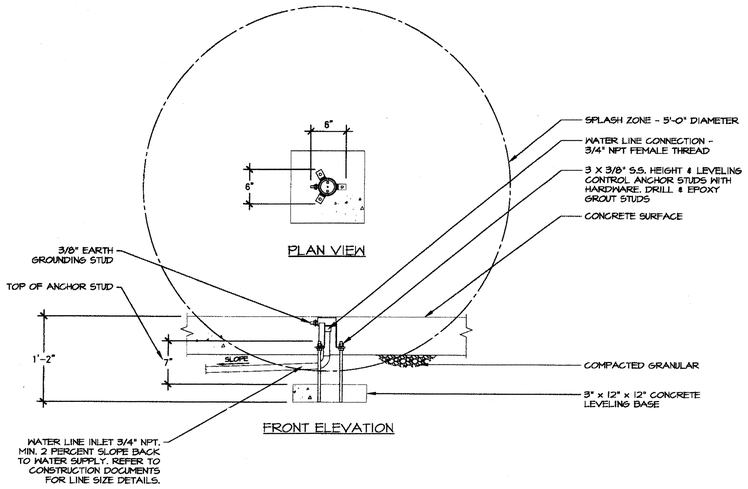
REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANGHAM 783 Expires 6/30/12 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

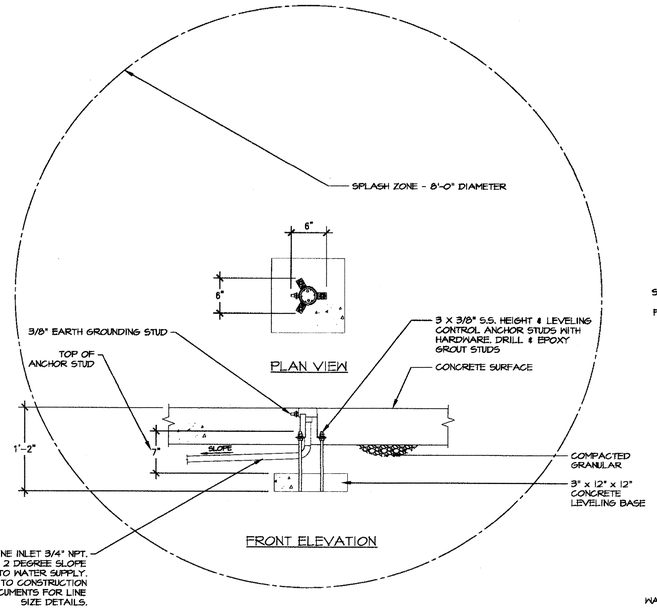
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CED
FILE	136-Splashpad
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L7.11

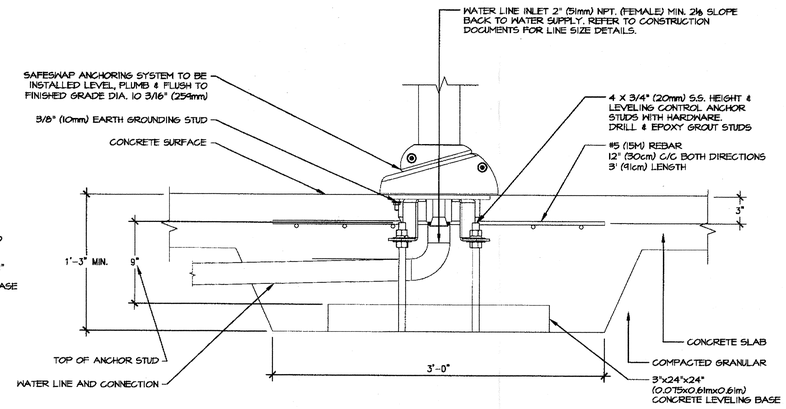
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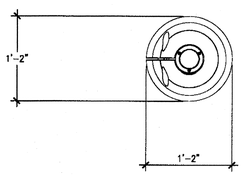
A JET STREAM DETAIL
NTS



B GROUND GEYSER DETAIL
NTS

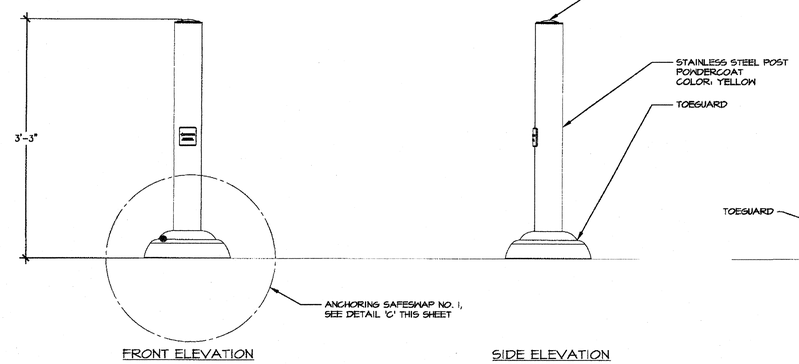


C SAFESWAP NO. 1 (LARGE)
NTS



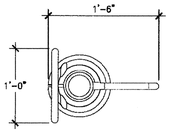
PLAN VIEW

NOTE:
WATER LINE CONNECTION REPLACED BY ELECTRICAL LINE CONNECTION. 14 AWG - 2 WIRE CONDUCTOR TO BE USED FOR ELECTRICAL.

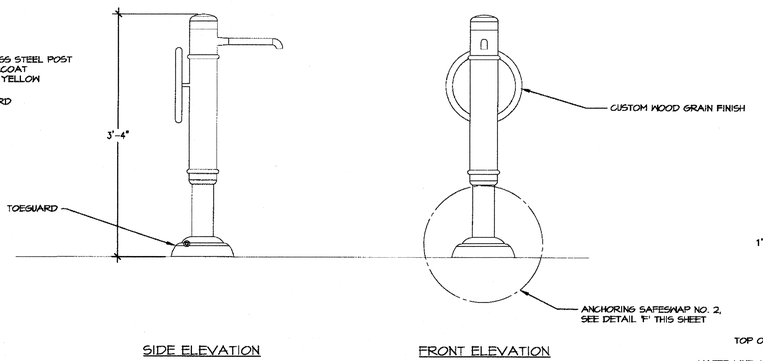


FRONT ELEVATION SIDE ELEVATION

D BOLLARD ACTIVATOR DETAIL
NTS

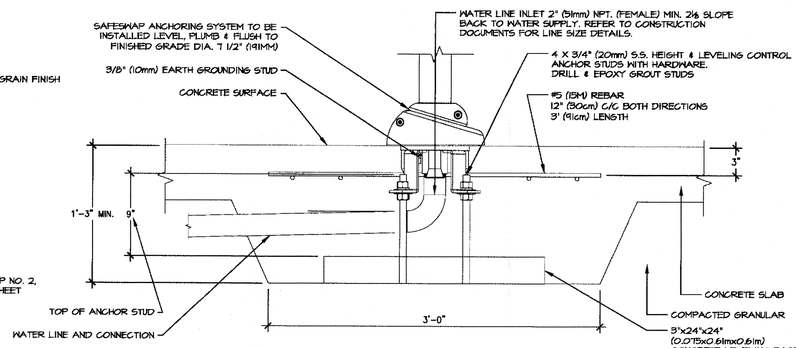


PLAN VIEW



SIDE ELEVATION FRONT ELEVATION

E CUSTOM HANDPUMP DETAIL
NTS



F SAFESWAP NO. 2 (MEDIUM)
NTS

GENERAL NOTES:
DESIGN/DETAILS AS PER VORTEX ASI INC.
SEE SHEET L17.01-L17.02 FOR MANUFACTURERS INFORMATION.
QUANTITIES DISCLAIMER: SEE SPECIFICATIONS SECTION 01 10 00, 1.2

RECORD AS-BUILT

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REVISIONS

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T: 702.233.1338 | F: 702.253.1112

CARLSBAD CA
2496 FARADAY AVE. | CARLSBAD, CA 92008

jwzuniino.com | INFO@JWZUNINO.COM | CHECKED BY: G.
NV #160 LIC #50341 | NM #2003 | AZ #35184 | CA #3738 | TX #3168

J.W. ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
SPLASH PAD DETAILS

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REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANGHAM 738 Expires 6/30/12 STATE OF NEVADA

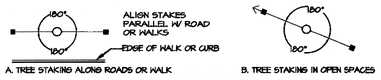
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PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-splashpad
DATE	6/7/2011
SCALE	AS NOTED
SID NO	10.1539104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L7.12

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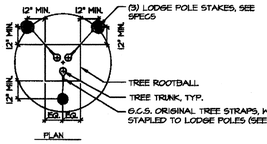
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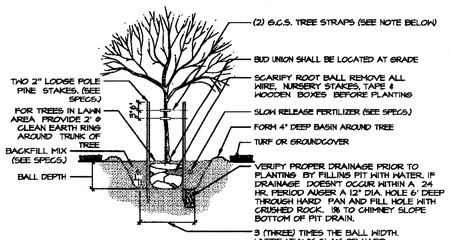
A. TREE STAKING ALONG ROADS OR WALK

B. TREE STAKING IN OPEN SPACES

ALIGN STAKES PARALLEL W/ DIRECTION OF PREVAILING WIND. ALL STAKES TO BE CONSISTENT.

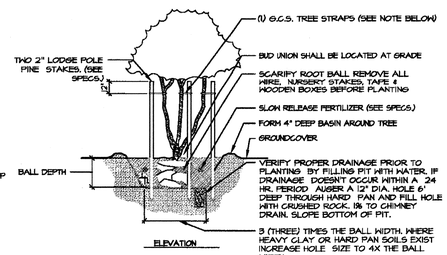


PLAN



SOURCE OF SUPPLY:
GCS, INC.
230 CENTER ST.
NORTH WALES, PA 19454 USA
1-800-360-3584
1-215-661-9010
WWW.TREESTRAP.COM

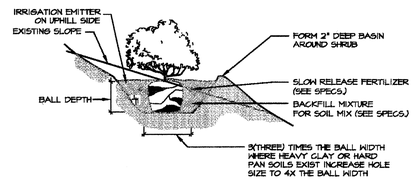
OR APPROVED EQUAL

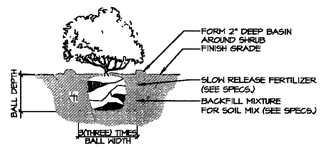


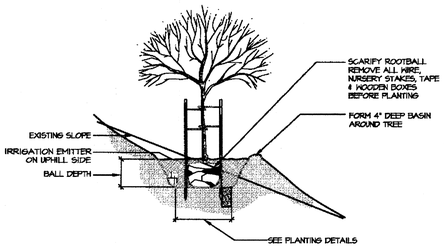
ELEVATION

SOURCE OF SUPPLY:
GCS, INC.
230 CENTER ST.
NORTH WALES, PA 19454 USA
1-800-360-3584
1-215-661-9010
WWW.TREESTRAP.COM

OR APPROVED EQUAL







A P5-1 **TREE PLANTING AND STAKING** NTS

B P5-3 **MULTI-TRUNK TREE PLANTING AND STAKING** NTS

C P5-2 **SLOPE SHRUB PLANTING** NTS

D P5-2 **SHRUB PLANTING** NTS

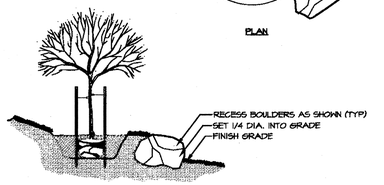
E P5-1 **SLOPE TREE PLANTING** NTS

NOTE:
1. SEE SHEET L11.01-11.02 FOR MANUFACTURERS.
2. WELDING TO BE FACTORY/SHOP WELDED PRIOR TO POWDER-COATING, NO FIELD WELDING ALLOWED.
3. ALL ALUMINUM POSTS IN CONTACT WITH CONCRETE FOOTING SHALL BE COATED WITH (2) TWO COATS OF ASPHALTIC PAINT, SEE SPECIFICATIONS SECTION 09 90 00.

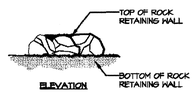
F P5-2 **TRELLIS** NTS

NOTES:
1. SEE LANDSCAPE LAYOUT AND PLANTING PLANS, SHEETS L2.00-L3.12 FOR LOCATIONS
2. AT SLOPE CONDITIONS WHERE THE PLAN VIEW (RIGHT) IS NOT SHOWN ON THE LAYOUT AND PLANTING PLANS CONTRACTOR TO INSTALL TREES PER THE SLOPE TREE PLANTING, DETAIL 'E' THIS SHEET.
3. ANY POSSIBLE DEVIATIONS FROM LOCATIONS SHOWN ON PLANS DUE TO SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.

PLAN



SECTION



ELEVATION

G P5-1 **BOULDER RETAINING WALL AT TREES ON SLOPE** NTS

SIDE VIEW

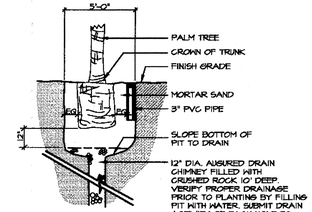
POST AND FENCE DETAIL

NOTES:
1. THE FENCE SHALL BE LOCATED A MINIMUM OF 1 FOOT OUTSIDE THE DRIP LINE OF THE TREE TO BE SAVED AND IN NO CASE CLOSER THAN 5 FEET TO THE TRUNK OF ANY TREE.
2. FENCE POSTS SHALL BE EITHER STANDARD STEEL POSTS OR WOOD POSTS WITH A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQ. IN.
3. THE FENCE MAY BE EITHER 40" HIGH SNOW FENCE, 40" PLASTIC MESH FENCING OR ANY OTHER MATERIAL AS APPROVED BY THE LANDSCAPE ARCHITECT.

H P5-1 **PROTECTION FENCE** NTS

J P5-2 **VINE PLANTING AT TRELLIS** NTS

NOTES:
1. PALM FRONDS TO BE TIED A MINIMUM OF 45 DAYS.
2. PALM BROWN TRUNK TO BE MEASURED BETWEEN CROWN OF ROOTBALL AND THE BASE OF THE LOWEST FROND.



K P5-2 **FAN PALM TREE PLANTING** NTS

RECORD AS-BUILT

Lorenzi Park-0264.ttf
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CONSULTANT

L A S V E G A S N V
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C A R L S B A D C A
2248 FARADAY AVE. | CARLSBAD, CA 92008
jwnuno.com | JW NUNO | LANDSCAPE ARCHITECTURE
NV # 1061 | UT #9894 | NM #965 | AZ #33149 | CA #3798 | TX #1139

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE DETAILS

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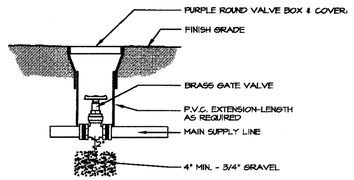
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CHRISTOPHER J. LANGHAM
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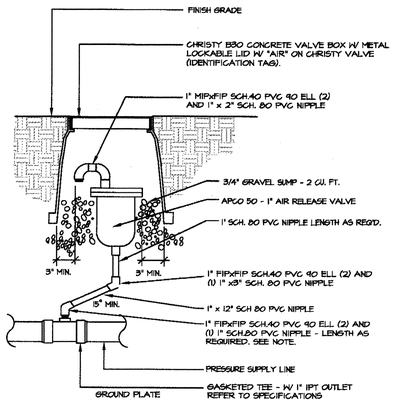
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
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DRAWN	ME
FILE	136-DT.DWG
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.1534104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L8.01

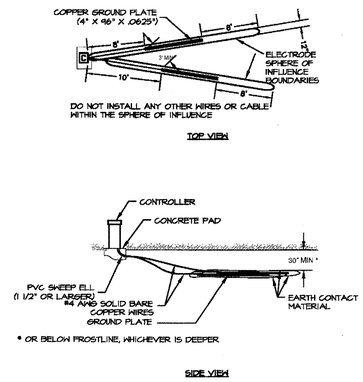


A — GATE VALVE — NTS

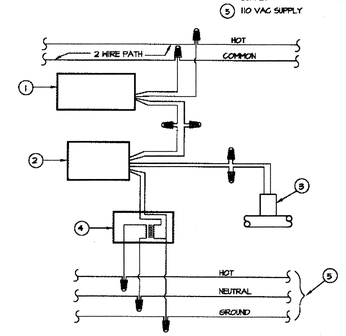
NOTE:
1. CENTER LINE OF AIR RELEASE VALVE SHALL BE 6" TO ONE SIDE OF PRESSURE SUPPLY LINE EDGE VALVE BOXES TO BE INSTALLED FLUSH W/ FINISH GRADE.



B — AIR RELEASE VALVE — NTS



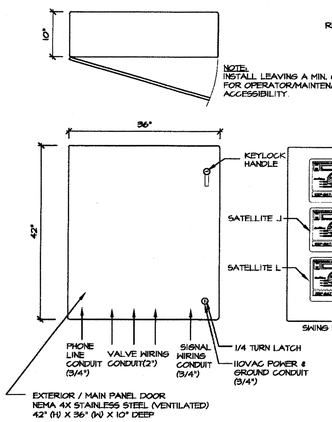
C — GROUNDING DETAIL-UP TO 64 STATIONS — NTS



NOTE:
1. DATA INDUSTRIAL FLOW SENSOR TO BE LOCATED NO MORE THAN 2000' FROM DATA INDUSTRIAL MODEL 1502.
2. INSTALL DECODER IN SEPARATE PEDESTAL FROM IRRIGATION CONTROLLERS.

D — FLOW SENSOR WIRING — NTS

NOTE:
1. ALL IRRIGATION COMPONENTS ARE TO BE NON-POTABLE AND INDICATED AS SUCH.



NOTE:
INSTALL LEAVING A MIN. OF 36" FOR OPERATOR/MAINTENANCE ACCESSIBILITY.

RBSC PACKAGED SYSTEM ENCLOSURE ASSEMBLY IN STD. ENCLOSURE
REF. MODEL NO.: MAXI-WALLS-4-WZ-PH-TH-SET40-IPT-IPD-IESP

INSTALLATION NOTES:

NO CHANGES, MODIFICATIONS, ADDITIONS OR DELETIONS SHALL BE MADE TO ANY UL LISTED EQUIPMENT AND INSTALLATION SHALL CONFORM TO THE ORIGINAL EQUIPMENT MANUFACTURER'S RECOMMENDATION OR NEC, WHICHEVER IS THE MOST CONSERVATIVE METHOD.

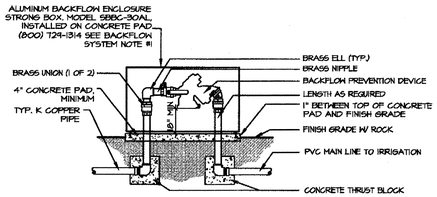
ALL WIRE, CONDUIT, AND ENCLOSURE INFORMATION SHOWN IN THE ASSOCIATED DETAIL ARE DIAGRAMMATIC. PROPER SIZING SHALL BE THE RESPONSIBILITY OF THE LOCALLY LICENSED ELECTRICAL INSTALLER. REFER TO LOCAL CODE FOR CONNECTION REQUIREMENTS.

E — RAINBIRD PACKAGE CONTROLLER — NTS

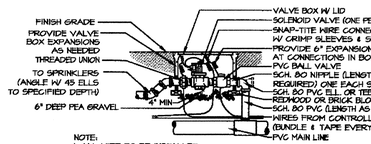
BACKFLOW SYSTEM NOTES

1. THE ENCLOSURE SHALL HAVE A MOUNTING LIP ON ONE END AND A LOCKING MECHANISM ON THE OTHER END. THE MOUNTING BASE SHALL BE SUBMERGED INTO THE CONCRETE A MIN. OF THREE (3) INCHES, AND POSITION THE ENCLOSURE TWO AND ONE HALF INCHES ABOVE THE CONCRETE FOR DRAINAGE PURPOSES. THE LOCKING MECHANISM SHALL BE OF THE PULL RELEASE TYPE WHICH ALLOWS FOR COMPLETE REMOVAL OF THE ENCLOSURE FROM IT'S MOUNTING BASE WITHOUT THE USE OF TOOLS. THE HANDLE CONTROLLING THE LOCKING MECHANISM SHALL BE CONCEALED WITHIN THE SURFACE OF THE ENCLOSURE AND PROVIDE FOR EITHER A SINGLE OR DUAL PADLOCK SYSTEM. PROVIDE OWNER WITH FOUR (4) PADLOCKS & FOUR (4) KEYS.

2. FITTINGS AND PIPING TO BE SIZED IDENTICALLY WITH NOMINAL BACKFLOW PREVENTION DEVICE.



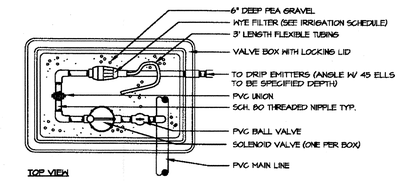
F — BACK FLOW PREVENTER W/ALUMINUM ENCLOSURE — NTS

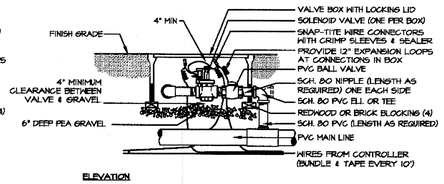


NOTE:
1. ALL WIRE TO BE INSTALLED & SUPPLIED AS PER LOCAL CODE.
2. ALL COMMERCIAL JOBS TO HAVE LOCKING LID INSTALLED.

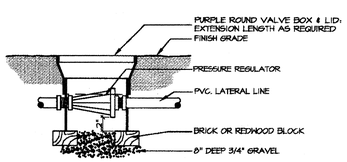
G — SOLENOID VALVE W/ BALL VALVE — NTS

NOTES: 1. ALL WIRE TO BE INSTALLED AND SUPPLIED AS PER LOCAL CODE.
2. CONTAIN ENTIRE ASSEMBLY WITHIN VALVE BOX

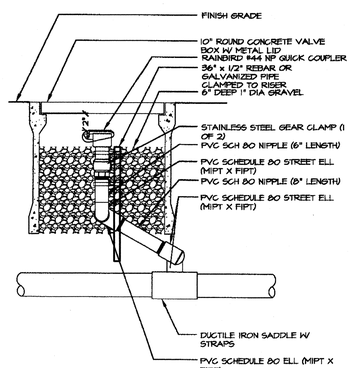




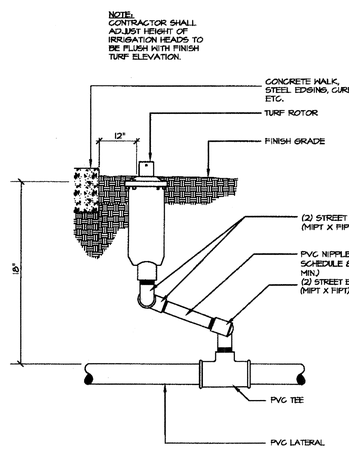
H — SOLENOID VALVE (DRIP) W/ BALL VALVE — NTS



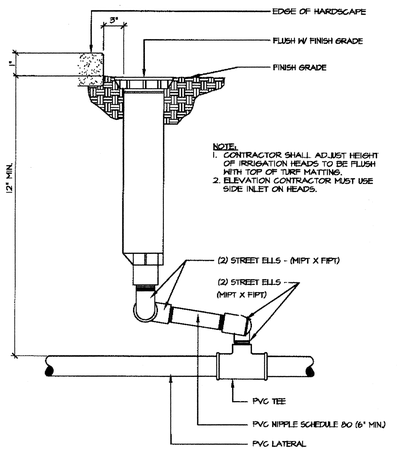
J — PRESSURE REGULATOR — NTS



K — QUICK COUPLER — NTS



L — TURF ROTOR HEAD — NTS



M — TURF SPRAY HEAD — NTS

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J.W. ZUNINO
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jwzuninc.com | NV #1001127 #20084 | AZ #23184 | CA #1028 | TX #1198

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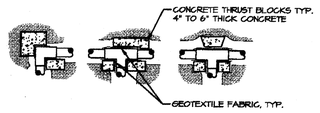
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6/27/11
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DEPARTMENT OF PUBLIC WORKS

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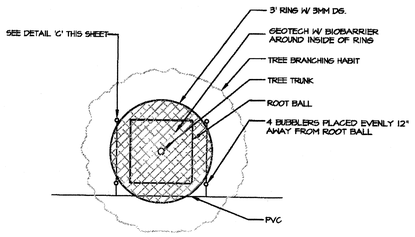
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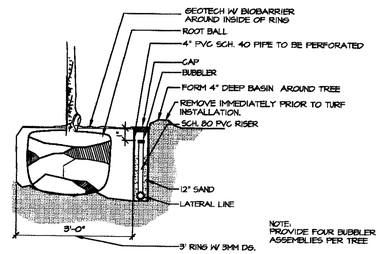


NOTE:
1. CONTRACTOR TO INSTALL THRUST BLOCKS AS PER SPECIFICATIONS

A GCN **THRUST BLOCKS** NTS

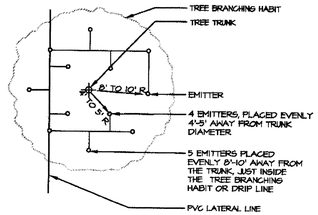


B F **TYPICAL BUBBLER LAYOUT FOR TREES IN TURF AREAS** NTS



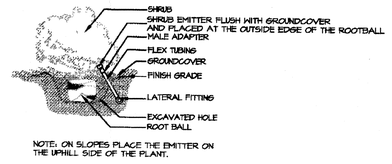
NOTE:
PROVIDE FOUR BUBBLER ASSEMBLIES PER TREE

C H-8 **TREE BUBBLER DETAIL (TREES IN TURF ONLY)** NTS



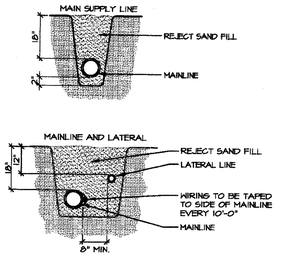
D H-8 **EMITTER LAYOUT FOR TREES** NTS

NOTE:
1. ALL IRRIGATION COMPONENTS ARE TO BE NON-POTABLE AND INDICATED AS SUCH.



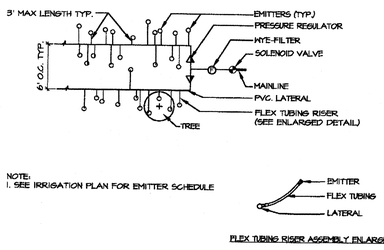
NOTE: ON SLOPES PLACE THE EMITTER ON THE UPHILL SIDE OF THE PLANT.

E H-8 **PLANT EMITTER** NTS



NOTES:
1. BUNDLE WIRING AND TAPE TO MAINLINE AT 10' INTERVALS
2. ALL 120 VOLT WIRING IN CONDUIT TO BE INSTALLED AS PER LOCAL CODES
3. ALL PVC PIPING TO BE SNAKED IN TRENCHES

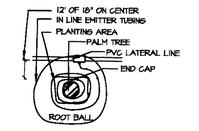
F M-1 **18" DEEP TRENCHING DETAIL** NTS



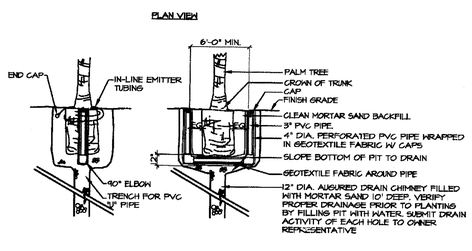
NOTE:
1. SEE IRRIGATION PLAN FOR EMITTER SCHEDULE

FLEX TUBING RISER ASSEMBLY ENLARGEMENT

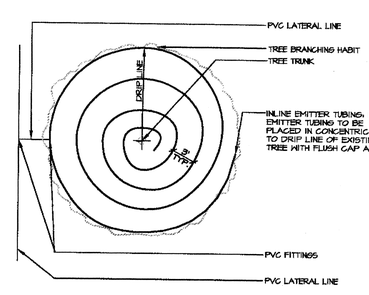
G M-3 **THREADED DRIP EMITTER LAYOUT** NTS



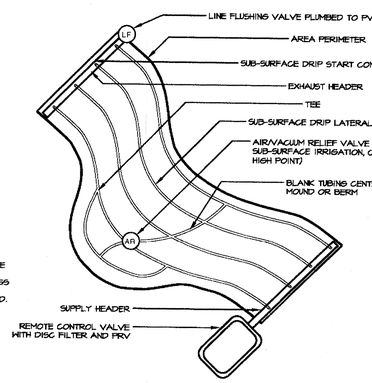
PLAN VIEW



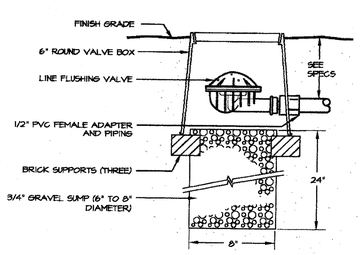
H M-9 **PALM TREE PIPE/EMITTER DETAIL** NTS



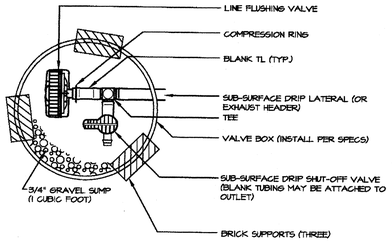
J **SUB-SURFACE DRIP LAYOUT FOR EXISTING TREES** NTS



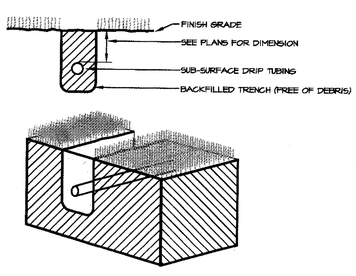
K **SUB-SURFACE DRIP LAYOUT - IRREGULAR AREAS** NTS



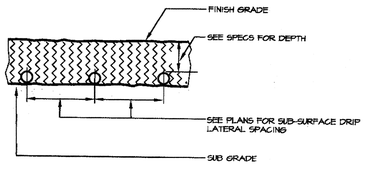
L **SUB-SURFACE DRIP - LINE FLUSHING VALVE** NTS



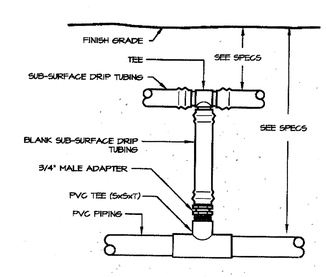
M **SUB-SURFACE DRIP - LINE FLUSHING VALVE** NTS



N **SUB-SURFACE DRIP - TRENCHING** NTS



P **SUB-SURFACE DRIP - SUBGRADE INSTALLATION** NTS



Q **SUB-SURFACE DRIP - START CONNECTION** NTS

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PHASE 2
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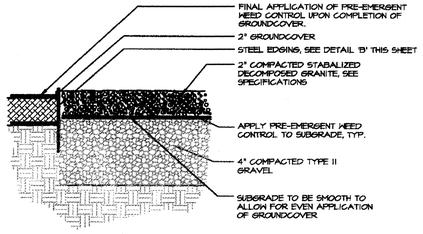
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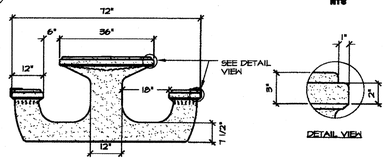
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LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
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TDD: (702) 386-9108

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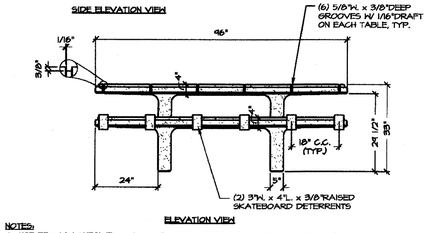
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A STABILIZED GRANITE PATHWAY
NTS



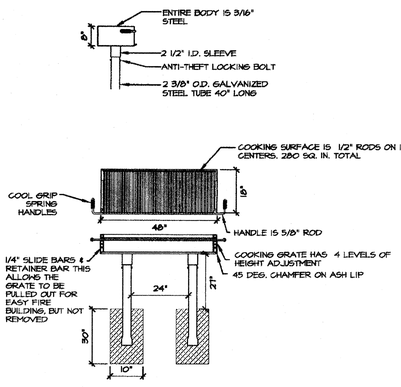
SIDE ELEVATION VIEW



ELEVATION VIEW

NOTES:
1. USE EPOXY ADHESIVE TO ANCHOR ALL BENCHES WITHIN 75'-0" OF THE LAKE EDGE TO THE FOOTING.
2. INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS
3. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.
4. ALL EDGES TO HAVE 1/4" RADIUS MIN.
5. SEE SHEET L17.01-L17.02 FOR COLOR, FINISH, MODEL NUMBER, AND MANUFACTURER
6. STEEL REINFORCED CONCRETE MIX DESIGN OF AT LEAST 8.5 SACK PORTLAND CEMENT PER CUBIC YARD AND 28 DAY CURED COMPRESSIVE STRENGTH OF 7,000 P.S.I. MINIMUM

F PICNIC TABLE
NTS

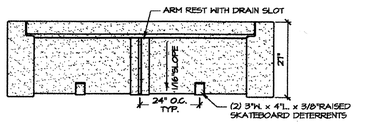


FINISH IS NON-TOXIC HEAT RESISTANT BLACK ENAMEL

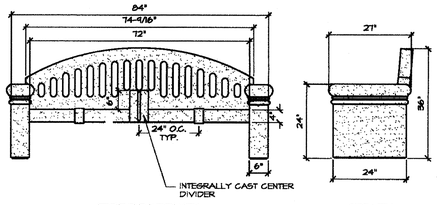
NOTES:
1. SEE SHEET L17.01-L17.02 FOR COLOR, FINISH, MODEL NUMBER, AND MANUFACTURER.

L GROUP BBQ
NTS

B STEEL EDGING
NTS



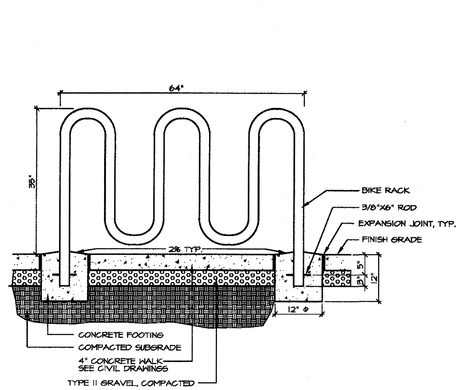
PLAN VIEW



FRONT ELEVATION VIEW SIDE VIEW

NOTES:
1. USE EPOXY ADHESIVE TO ANCHOR ALL BENCHES WITHIN 75'-0" OF THE LAKE EDGE TO THE FOOTING.
2. INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS
3. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.
4. ALL EDGES TO HAVE 1/4" RADIUS MIN.
5. SEE SHEET L17.01-L17.02 FOR COLOR, FINISH, MODEL NUMBER, AND MANUFACTURER
6. ALL BENCHES SHALL HAVE A CENTER DIVIDER
7. STEEL REINFORCED CONCRETE MIX DESIGN OF AT LEAST 8.5 SACK PORTLAND CEMENT PER CUBIC YARD AND 28 DAY CURED COMPRESSIVE STRENGTH OF 7,000 P.S.I. MINIMUM

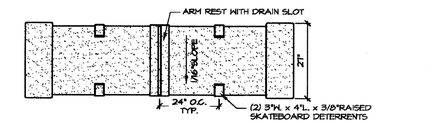
G PARK BENCH - WITH BACK
NTS



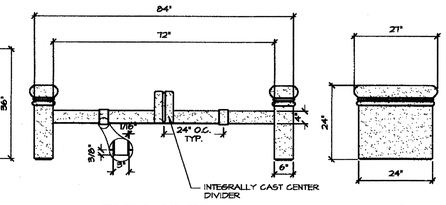
TYPE II GRAVEL, COMPACTED

NOTES:
1. INSTALL BIKE RACK AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
2. SEE LANDSCAPE LAYOUT PLANS.
3. SEE SHEET L17.01-L17.02 FOR COLOR, FINISH, MODEL NUMBER, AND MANUFACTURER

M BIKE RACK
NTS



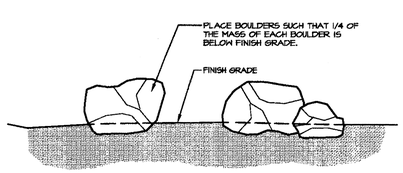
PLAN VIEW



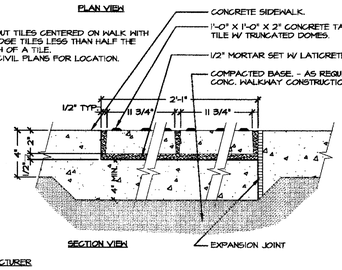
FRONT ELEVATION VIEW SIDE VIEW

NOTES:
1. USE EPOXY ADHESIVE TO ANCHOR ALL BENCHES WITHIN 75'-0" OF THE LAKE EDGE TO THE FOOTING.
2. INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS
3. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.
4. ALL EDGES TO HAVE 1/4" RADIUS MIN.
5. SEE SHEET L17.01-L17.02 FOR COLOR, FINISH, MODEL NUMBER, AND MANUFACTURER
6. ALL BENCHES SHALL HAVE A CENTER DIVIDER
7. STEEL REINFORCED CONCRETE MIX DESIGN OF AT LEAST 8.5 SACK PORTLAND CEMENT PER CUBIC YARD AND 28 DAY CURED COMPRESSIVE STRENGTH OF 7,000 P.S.I. MINIMUM

H PARK BENCH - WITHOUT BACK
NTS



PLAN VIEW



SECTION VIEW

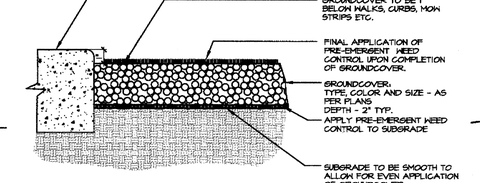
NOTE:
1. LAYOUT TILES CENTERED ON WALK WITH NO EDGE TILES LESS THAN HALF THE WIDTH OF A TILE.
2. SEE CIVIL PLANS FOR LOCATION.

MANUFACTURER

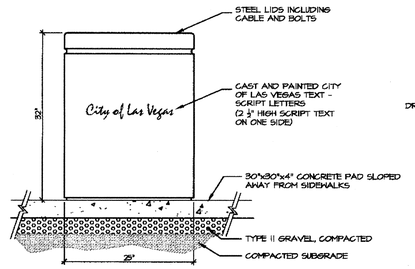
INTERLOCK SAN DIEGO
4351 STANFORD STREET
CARLSBAD, CA 92008
TEL (760) 434-5586

OR APPROVED EQUAL

N DETECTABLE WARNING
NTS

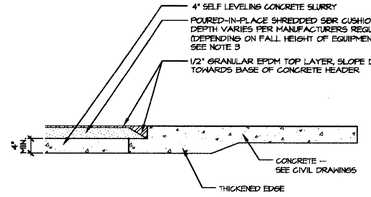


D GROUNDCOVER DETAIL
NTS



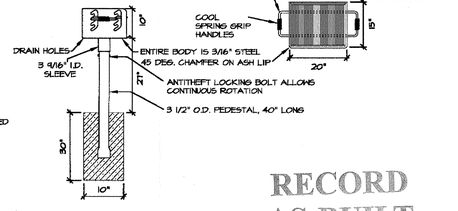
NOTES:
1. INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
2. SUBMIT SHOP DRAWINGS PRIOR TO BEGINNING ANY CONSTRUCTION.
3. FINAL CITY OF LAS VEGAS LOGO AS WELL AS FINAL LOCATION OF THESE ITEMS ON THE TRASH RECEPTACLE TO BE APPROVED BY THE CITY OF LAS VEGAS PRIOR TO PURCHASING AND/OR CONSTRUCTION.
4. USE EPOXY ADHESIVE TO ANCHOR ALL TRASH RECEPTACLES WITHIN 75'-0" OF LAKE EDGE TO THE FOOTING.
5. SEE SHEET L17.01-L17.02 FOR COLOR, FINISH, MODEL NUMBER, AND MANUFACTURER.
6. STEEL REINFORCED CONCRETE MIX DESIGN OF AT LEAST 8.5 SACK PORTLAND CEMENT PER CUBIC YARD AND 28 DAY CURED COMPRESSIVE STRENGTH OF 7,000 P.S.I. MINIMUM

J CONCRETE TRASH RECEPTACLE
NTS



NOTES:
1. CONSTRUCTION MANAGER SHALL APPROVE FORM WORK PRIOR TO PLACING CONCRETE.
2. GRADING AT CURB SHALL BE BY THE CONTRACTOR.
3. CONTRACTOR SHALL INSTALL SAFETY SURFACE AS PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS. CONTRACTOR TO PROVIDE SAFETY SURFACE CUSHION DEPTH 2" BEYOND MANUFACTURERS REQUIREMENTS.
4. MIN. 3 1/4" SAFETY SURFACE DEPTH IN ALL AREAS.
5. INDEPENDENT PARTY TESTING REQUIRED, SEE SPECIFICATIONS.

P SAFETY SURFACE & CONCRETE HEADER
NTS



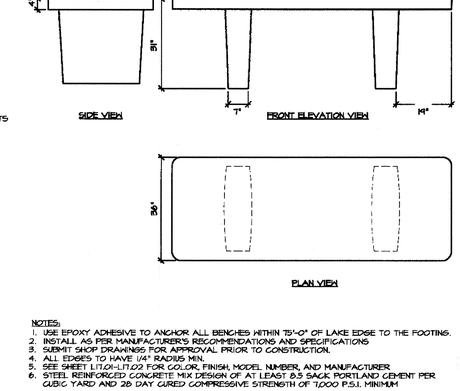
PLAN VIEW

NOTES:
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2. INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS
3. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.
4. ALL EDGES TO HAVE 1/4" RADIUS MIN.
5. SEE SHEET L17.01-L17.02 FOR COLOR, FINISH, MODEL NUMBER, AND MANUFACTURER
6. ALL BENCHES SHALL HAVE A CENTER DIVIDER
7. SLOPE PAD AWAY FROM OR LATERALLY TO ADJACENT SIDEWALK

E PARK BENCH - PAD LAYOUT
NTS

RECORD AS-BUILT

FINISH IS NON-TOXIC HEAT RESISTANT BLACK ENAMEL



PLAN VIEW

NOTES:
1. USE EPOXY ADHESIVE TO ANCHOR ALL BENCHES WITHIN 75'-0" OF LAKE EDGE TO THE FOOTING.
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K BARBECUE GRILL
NTS

Q BBQ SET UP TABLE
NTS

Lorenzi Park-0267.lif
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JWZ-JUNO
LANDSCAPE ARCHITECTURE
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CARLSBAD CA
2246 FARADAY AVE. CARLSBAD, CA 92008
jwzarch.com | LAS VEGAS | PHOENIX | CARLSBAD
NV #1061 CT #26244 | AM #393 | AZ #25144 | CA #3788 | TX #1136

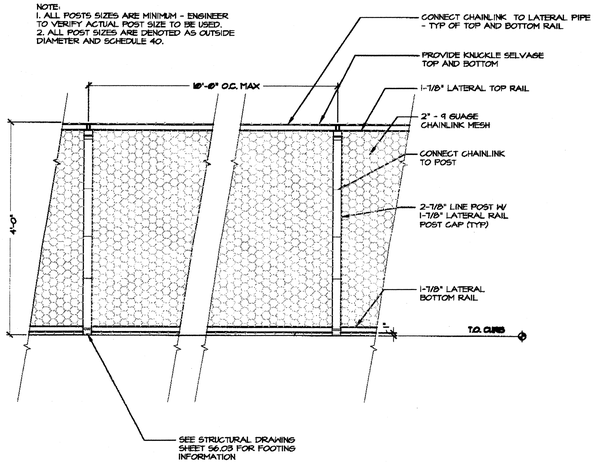
REVISIONS

CONSULTANT

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE DETAILS

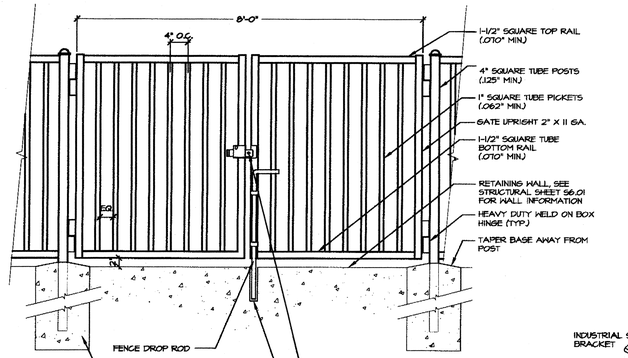
ALL DRAWINGS AND SPECIFICATIONS PREPARED BY THE CLIENT MAY BE UTILIZED ONLY FOR OCCUPYING THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT IN A C 663.780

NOTE:
1. ALL POSTS SIZES ARE MINIMUM - ENGINEER TO VERIFY ACTUAL POST SIZE TO BE USED.
2. ALL POST SIZES ARE DENOTED AS OUTSIDE DIAMETER AND SCHEDULE 40.

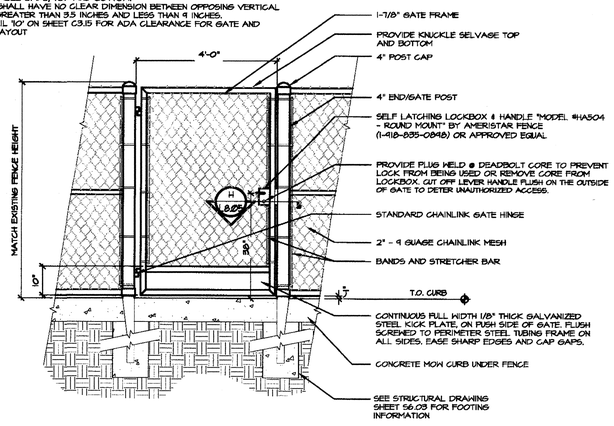


A CHAIN LINK FENCE • BASKETBALL COURT
NTS

NOTE:
1. SEE SHEET L1.01-L1.02 FOR MANUFACTURERS.
2. WELDING TO BE FACTORY/SHOP WELDED PRIOR TO POWDER-COATING, NO FIELD WELDING ALLOWED.
3. FENCE AND GATE POSTS AND PICKETS SHALL HAVE WATERTIGHT, NON-REMOVABLE CAPS, TOP AND BOTTOM.
4. FENCING SHALL HAVE NO CLEAR DIMENSION BETWEEN OPPOSING VERTICAL SURFACES GREATER THAN 3.5 INCHES AND LESS THAN 9 INCHES.
5. ALL ALUMINUM POSTS IN CONTACT WITH CONCRETE FOOTING SHALL BE COATED WITH (2) TWO COATS OF ASPHALTIC PAINT, SEE SPECIFICATIONS SECTION 09 90 00.

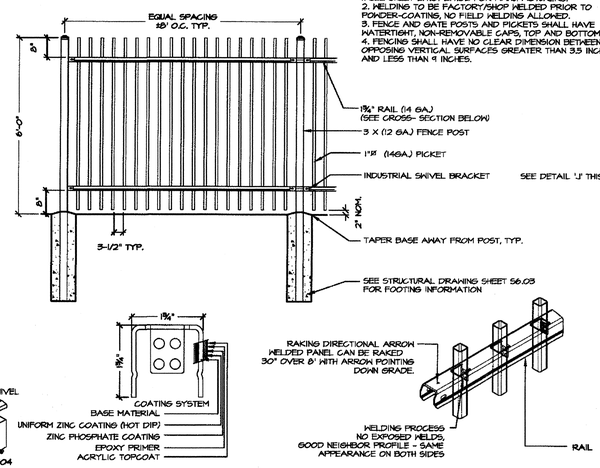


NOTE:
1. SEE SHEET L1.01-L1.02 FOR MANUFACTURERS.
2. ALL POST SIZES ARE DENOTED AS OUTSIDE DIAMETER AND SCHEDULE 40.
3. FENCE AND GATE POSTS AND PICKETS SHALL HAVE WATERTIGHT, NON-REMOVABLE CAPS, TOP AND BOTTOM.
4. FENCING SHALL HAVE NO CLEAR DIMENSION BETWEEN OPPOSING VERTICAL SURFACES GREATER THAN 3.5 INCHES AND LESS THAN 9 INCHES.
5. SEE DETAIL '10' ON SHEET C3.15 FOR ADA CLEARANCE FOR GATE AND SIDEWALK LAYOUT

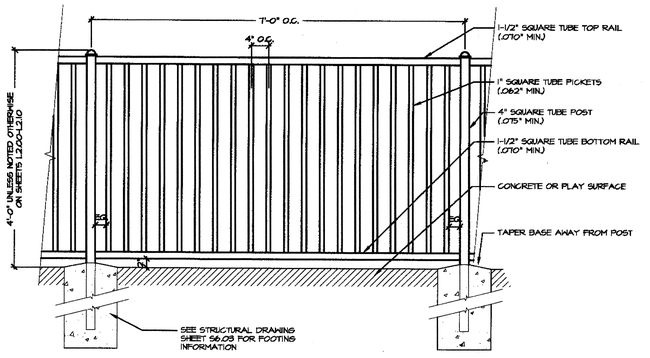


B CHAIN LINK FENCE GATE
NTS

NOTE:
1. SEE SHEET L1.01-L1.02 FOR MANUFACTURERS.
2. WELDING TO BE FACTORY/SHOP WELDED PRIOR TO POWDER-COATING, NO FIELD WELDING ALLOWED.
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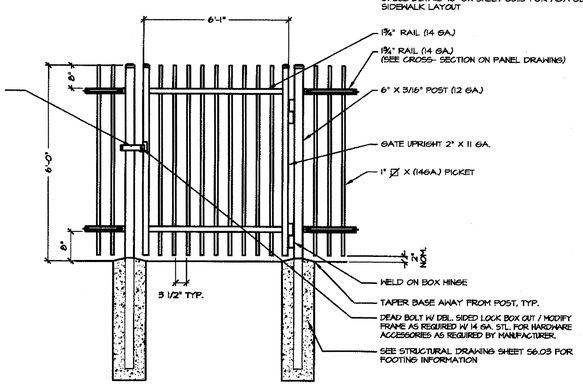


NOTE:
1. SEE SHEET L1.01-L1.02 FOR MANUFACTURERS.
2. WELDING TO BE FACTORY/SHOP WELDED PRIOR TO POWDER-COATING, NO FIELD WELDING ALLOWED.
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4. FENCING SHALL HAVE NO CLEAR DIMENSION BETWEEN OPPOSING VERTICAL SURFACES GREATER THAN 3.5 INCHES AND LESS THAN 9 INCHES.
5. ALL GATES TO HAVE LOCK OPEN POSITION, SEE DETAIL 'J', THIS SHEET
6. ALL ALUMINUM POSTS IN CONTACT WITH CONCRETE FOOTING SHALL BE COATED WITH (2) TWO COATS OF ASPHALTIC PAINT, SEE SPECIFICATIONS SECTION 09 90 00.



C ALUMINUM FENCE
NTS

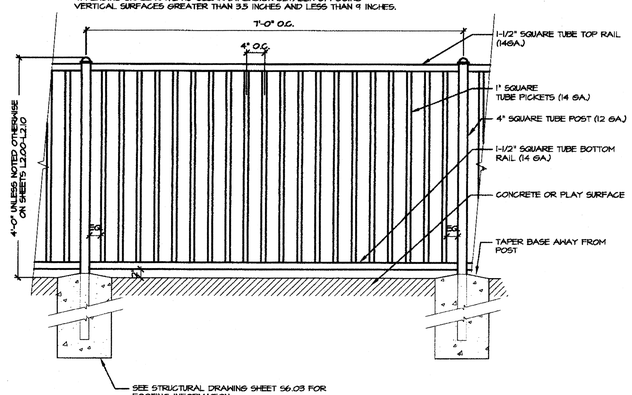
NOTE:
1. SEE SHEET L1.01-L1.02 FOR MANUFACTURERS.
2. WELDING TO BE FACTORY/SHOP WELDED PRIOR TO POWDER-COATING, NO FIELD WELDING ALLOWED.
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6. SEE DETAIL '10' ON SHEET C3.15 FOR ADA CLEARANCE FOR GATE AND SIDEWALK LAYOUT



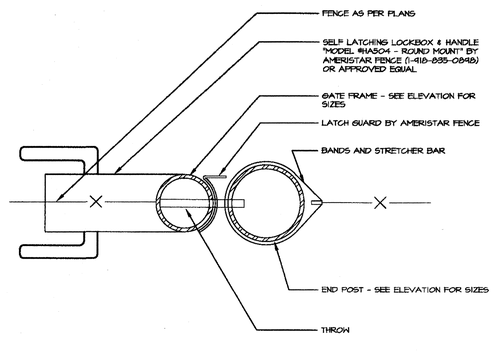
RECORD AS-BUILT

D ALUMINUM FENCE DOUBLE GATE
NTS

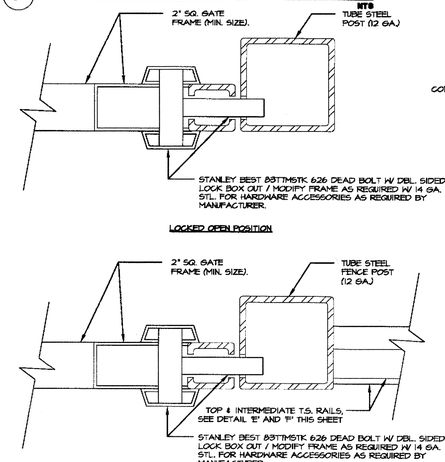
NOTE:
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2. WELDING TO BE FACTORY/SHOP WELDED PRIOR TO POWDER-COATING, NO FIELD WELDING ALLOWED.
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4. FENCING SHALL HAVE NO CLEAR DIMENSION BETWEEN OPPOSING VERTICAL SURFACES GREATER THAN 3.5 INCHES AND LESS THAN 9 INCHES.



E PRE-FABRICATED STEEL FENCE
NTS

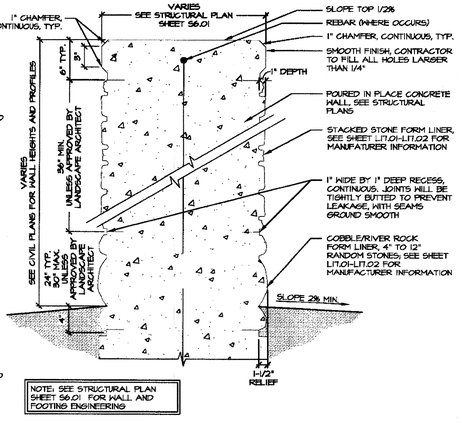


F PRE-FABRICATED FENCE GATE
NTS



J JAM DETAIL • GATE
NTS

NOTES:
1. INSTALLATION IS TO BE PER APPROVED MANUFACTURER SPECIFICATIONS AND RECOMMENDATIONS.
2. CONTRACTOR TO PROVIDE 4'x4' MOCK-UP, ALSO SHOWING CORNER TREATMENTS FOR APPROVAL BY OWNER'S REP.
3. SEE HARDSCAPE TREATMENT PLAN, L5.00 FOR WALL FINISHES AND LOCATION.



K CONCRETE WALL WITH FORM LINER (STONE)
NTS

G TUBE STEEL FENCE
NTS

H GATE LATCH DETAIL
NTS

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REVISIONS

CONSULTANT

L A S V E G A S N V
3191 S. JONES BLVD. | LAS VEGAS, NV #9148
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C A R L S B A D C A
2248 FARADAY AVE. | CARLSBAD, CA 92008
jwznv.com | JOB #1151-1-1010 | DRAWN BY: ME | CHECKED BY: G.
NV #1151.1.07 #2004 | NM #252 | AZ #2014 | CA #2736 | TX #1736
J W Z U N I N O
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE DETAILS

DRAWINGS AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE DESIGN PROFESSIONAL WHOSE STAMP OF CERTIFICATION APPEARS ON THE DRAWINGS AND SPECIFICATIONS REPRESENTED BY THE CLIENT MAY BE UTILIZED ONLY FOR OCCUPYING THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT IN A © 2012 JWZ, INC. WRITTEN CONSENT IS STRICTLY PROHIBITED COPIES OF THE DRAWINGS AND SPECIFICATIONS REPRESENTED BY THE CLIENT MAY BE UTILIZED ONLY FOR OCCUPYING THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT

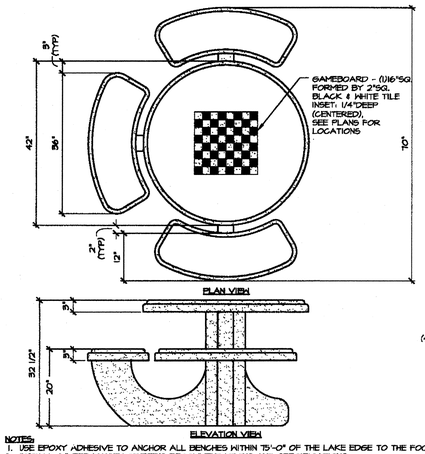
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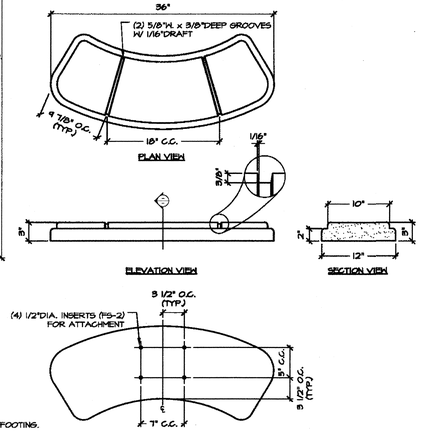
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANDRAM
733
6/27/11
Expires: 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

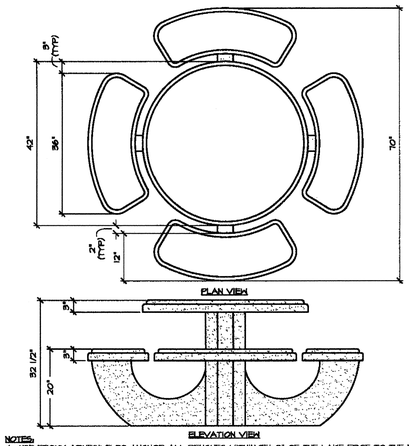
DRAWN	ME
FILE	136-DT.DWG
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.1534.04
C.V. DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L8.05





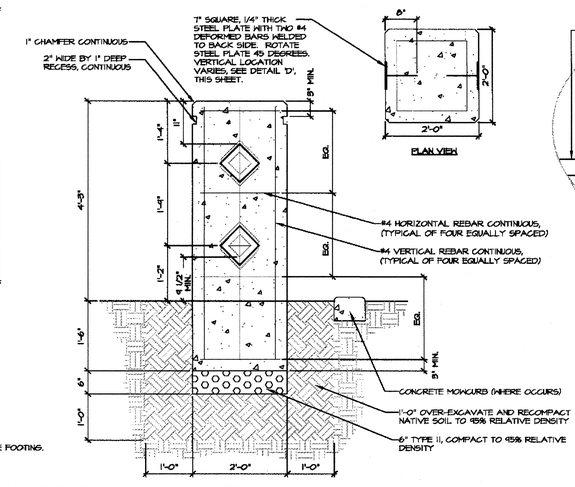
NOTES:
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2. INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS
3. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.
4. SEE SHEET L1.01-L1.02 FOR COLOR, FINISH, MODEL NUMBER, AND MANUFACTURER
5. ALL EDGES TO HAVE 1/4" RADIUS MIN.
6. STEEL REINFORCED CONCRETE MIX DESIGN OF AT LEAST 8.5 SACK PORTLAND CEMENT PER CUBIC YARD AND 28 DAY CURED COMPRESSIVE STRENGTH OF 7,000 P.S.I. MINIMUM

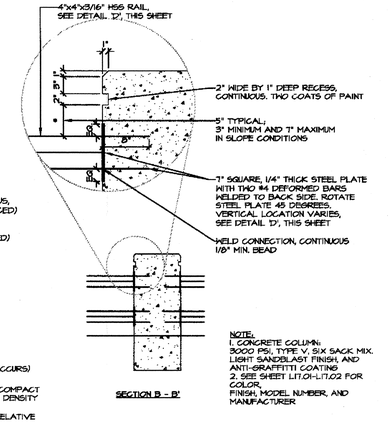
A **ADA CAFE GAME TABLE** NTS



NOTES:
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4. SEE SHEET L1.01-L1.02 FOR COLOR, FINISH, MODEL NUMBER, AND MANUFACTURER
5. ALL EDGES TO HAVE 1/4" RADIUS MIN.
6. STEEL REINFORCED CONCRETE MIX DESIGN OF AT LEAST 8.5 SACK PORTLAND CEMENT PER CUBIC YARD AND 28 DAY CURED COMPRESSIVE STRENGTH OF 7,000 P.S.I. MINIMUM

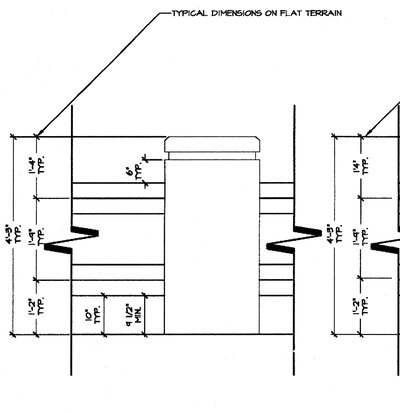
B **CAFE TABLE** NTS





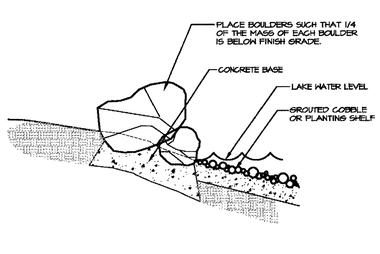
NOTE:
1. CONCRETE COLUMN: 3000 PSI, TYPE V, SIX SACK MIX. LIGHT SANDBLAST FINISH, AND ANTI-GRAFFITTI COATING
2. SEE SHEET L1.01-L1.02 FOR COLOR, FINISH, MODEL NUMBER, AND MANUFACTURER

C **SPLIT RAIL FENCE - COLUMN** NTS



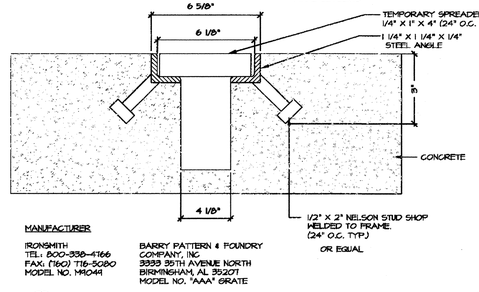
D **SPLIT RAIL FENCE - RAILS** NTS

NOTES:
1. ANCHOR ALL BOULDERS WITH CONCRETE BASE WITHIN 75'-0" OF THE LAKE EDGE
2. SEE SHEETS L3.00-L3.12 FOR SIZE AND LOCATION



E **LAKE SHORE LANDSCAPE BOULDER PLACEMENT** NTS

NOTES:
1. KNOCK OUT SPREADERS ARE SPOT WELDED TO FRAME DURING MANUFACTURE TO INSURE TRENCH OPENING IS 1/4" GREATER THAN GRATE WIDTH. THESE MAY BE REMOVED AFTER CONCRETE HAS SET BY GRASPING WITH A LARGE CRESENT WRENCH AND TWISTING OUT



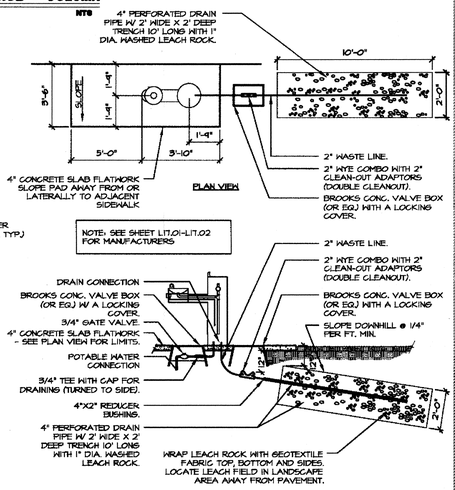
MANUFACTURER

IRONSMITH
TEL: 800-338-4766
FAX: (760) 716-5080
MODEL NO. MRGM4

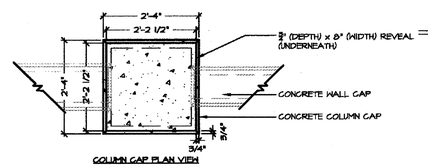
OR EQUAL

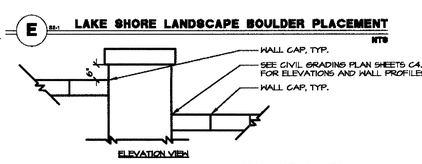
BARRY PATTERN & FOUNDRY COMPANY, INC.
3939 35TH AVENUE NORTH
BIRMINGHAM, AL 35207
MODEL NO. "AAA" GRATE

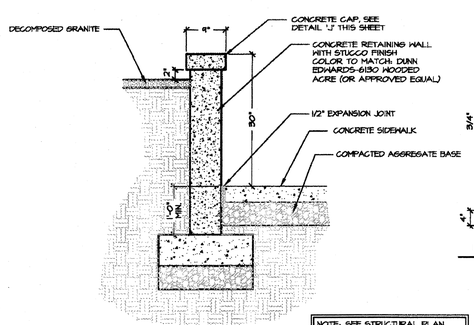
F **TRENCH DRAIN & SPLASH PAD** NTS



G **DRINKING FOUNTAIN - DRY WELL** NTS

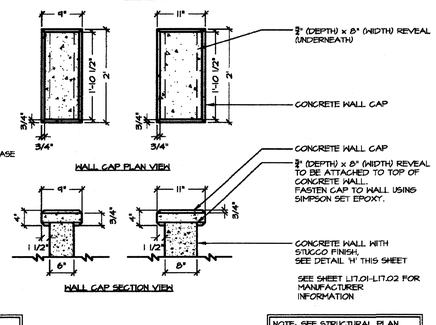






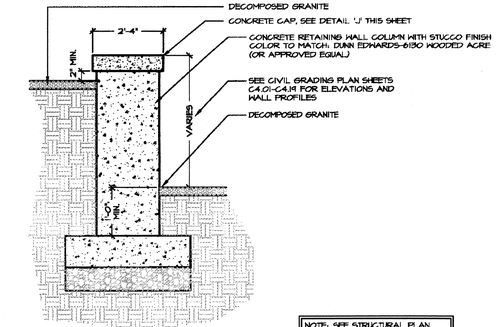
NOTE: SEE STRUCTURAL PLAN SHEET S6.01 FOR WALL AND FOOTING ENGINEERING

H **RETAINING WALL AT "TOUCH AND FEEL" GARDEN** NTS



NOTE: SEE STRUCTURAL PLAN SHEET S6.01 FOR WALL AND FOOTING ENGINEERING

J **CONCRETE WALL AND COLUMN CAP** NTS



NOTE: SEE STRUCTURAL PLAN SHEET S6.01 FOR WALL AND FOOTING ENGINEERING

K **RETAINING WALL COLUMN** NTS

RECORD AS-BUILT

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REVISIONS

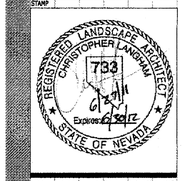
CONSULTANT

LAS VEGAS NV
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T: 702.255.8380 | F: 702.233.1378
CARLSBAD CA
2248 FARADAY AVE. | CARLSBAD, CA 92008
jwzunino.com | JOB(L): 1 | DRAWN BY: 1 | CHECKED BY: 1
NV #1.0031.07 EXPIRES: 1 AZ #35594 | CA #3788 | TX #3788
JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE DETAILS

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF THE DESIGN PROFESSIONAL WHOSE STAMP OF CERTIFICATION APPEARS ON THE DRAWINGS AND SPECIFICATIONS AND ARE NOT TO BE USED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT. THEY WERE PREPARED AND ARE PUBLISHED SOLELY FOR USE BY THE CLIENT FOR THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT N A G 653.780
DRAWINGS AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE DESIGN PROFESSIONAL WHOSE STAMP OF CERTIFICATION APPEARS ON THE DRAWINGS AND SPECIFICATIONS ARE NOT TO BE USED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT IS STRICTLY PROHIBITED. DISPOSITION OF ANY COPIES PRESUMED COPIED OF THE DRAWINGS AND SPECIFICATIONS RETAINED BY THE CLIENT MAY BE UTILIZED ONLY FOR OCCUPYING THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT N A G 653.780

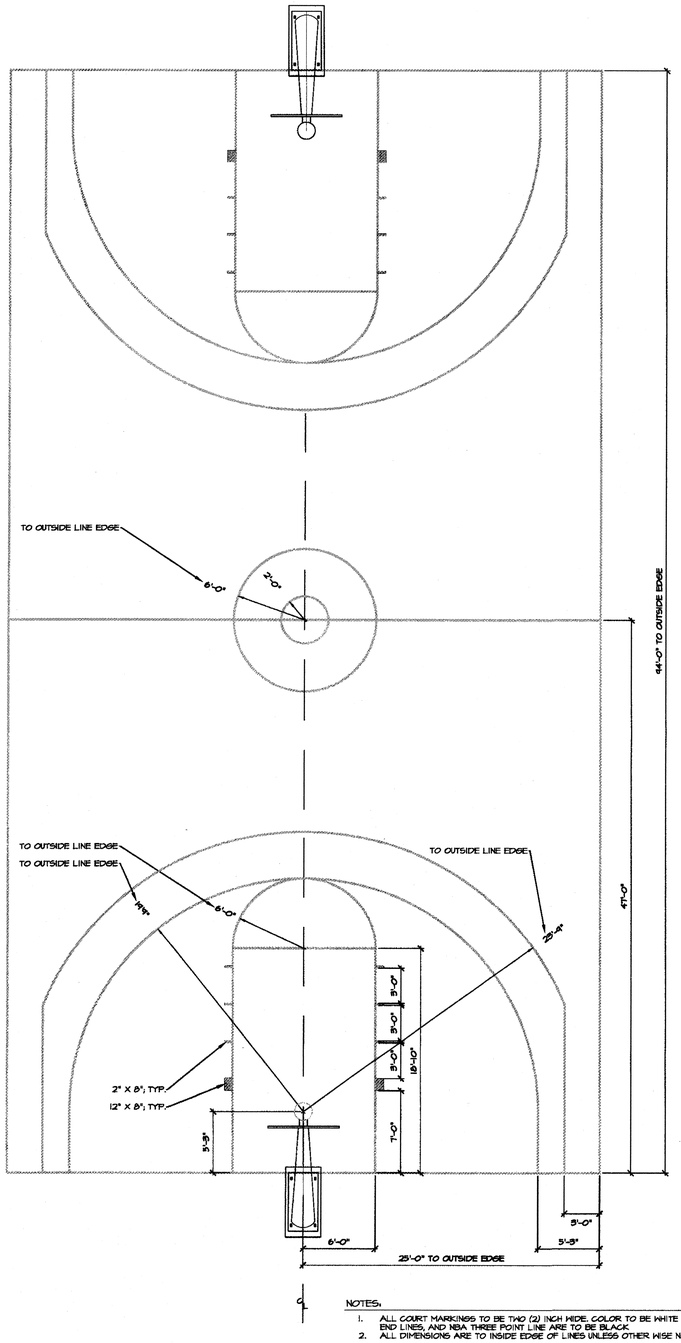
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OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

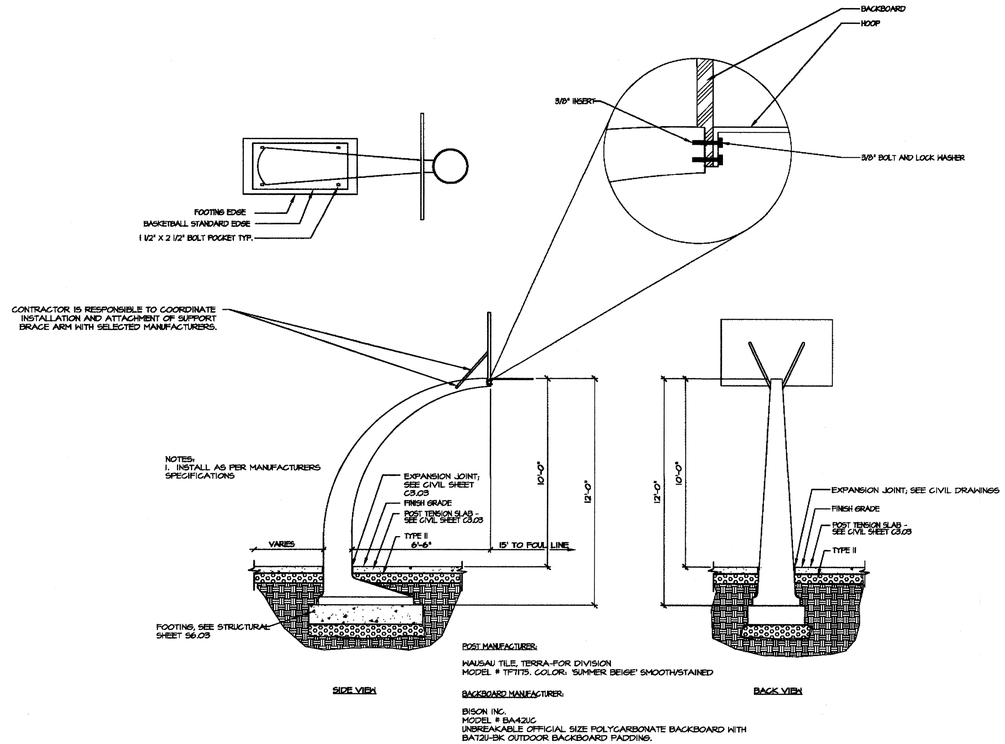
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	ME
FILE	T36-DT.DWG
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L8.06



NOTES:
1. ALL COURT MARKINGS TO BE TWO (2) INCH WIDE. COLOR TO BE WHITE EXCEPT SIDELINES, END LINES, AND NBA THREE POINT LINE ARE TO BE BLACK.
2. ALL DIMENSIONS ARE TO INSIDE EDGE OF LINES UNLESS OTHER WISE NOTED.

A **BASKETBALL COURT**
NTS

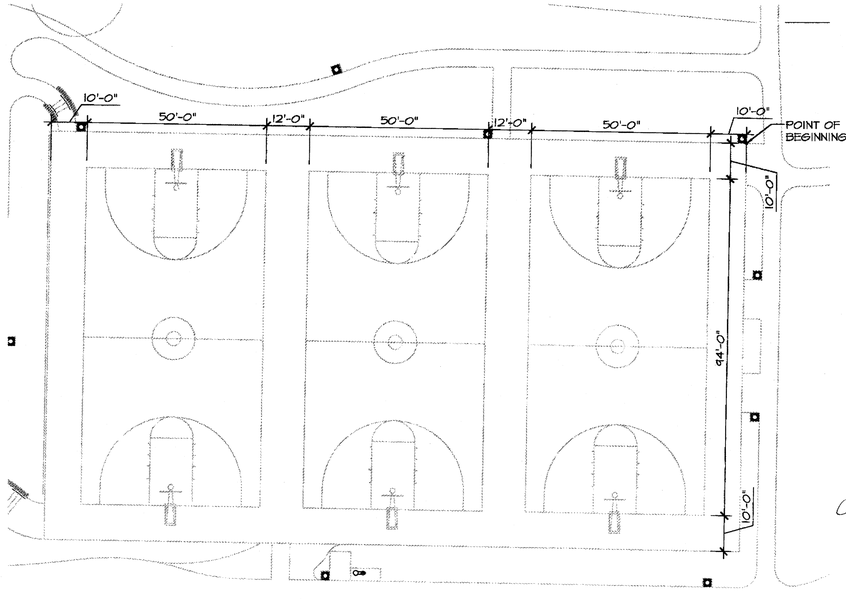


POST MANUFACTURER:

WAUSAU TILE, TERRA-FOR DIVISION
MODEL # TFT175. COLOR: 'SUMMER BEIGE' SMOOTH/STAINED

BACKBOARD MANUFACTURER:

BISON INC.
MODEL # BA42UC
UNBREAKABLE OFFICIAL SIZE POLYCARBONATE BACKBOARD WITH BAT2U-BK OUTDOOR BACKBOARD PADDING.



RECORD AS-BUILT

Court - Basketball Portion - Slab
9.14.11
APPROVED
CITY OF LAS VEGAS

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PRINTED ON RECYCLED PAPER

REVISIONS

CONSULTANT

L A S V E G A S N V
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T. 702.253.9230 | F. 702.253.1016

C A R L S B A D C A
2245 FARADAY AVE. | CARLSBAD, CA 92008

JWZUNINO.com | NEVADA | 58511.1536 | CONTRACTOR | 0060324.0C
NV #1521 LIC #29324 | NM #363 | AZ #29324 | CA #9738 | TX #1739

J W Z U N I N O
LANDSCAPE ARCHITECTURE

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LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE DETAILS

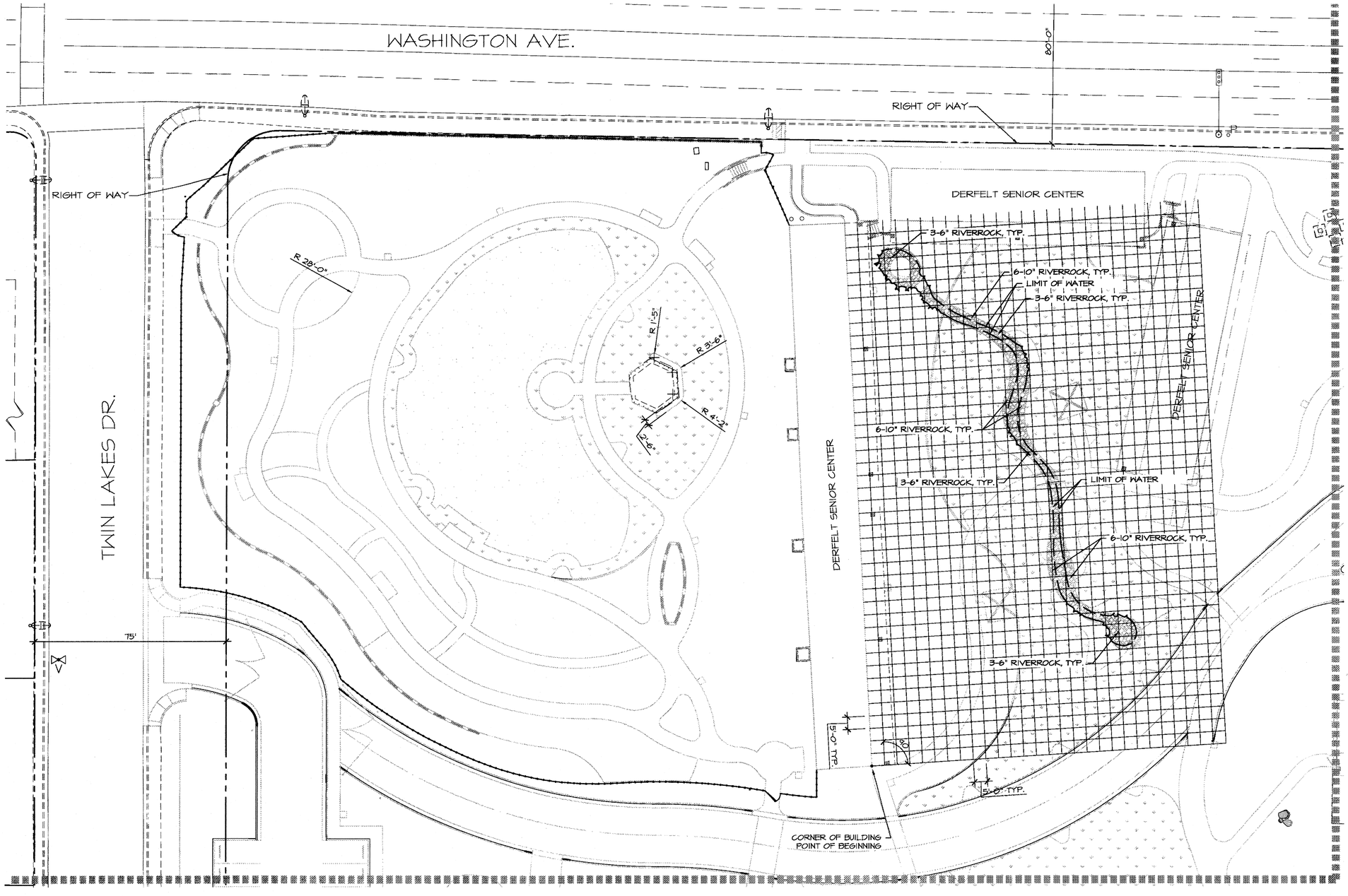
STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
739
6.27.11
Expires: 6.30.12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5235
FAX: (702) 382-3232
TDD: (702) 386-9108

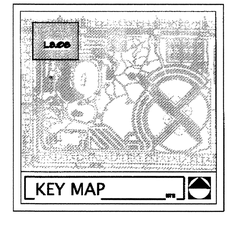
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FILE	136-DT.DWG
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10153404
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L8.07



RECORD
AS-BUILT

GENERAL NOTES:

1. USE 3000 PSI SHOTCRETE AT 5 LBS. PER CUBIC YARD OF SHOTCRETE, WITH 1.8" SYNTHETIC FIBER MESH (PROPEX NOVAMESH 650 OR EQUAL). SEE SPECIFICATION SECTION 334713 FOR ADDITIONAL SHOTCRETE REQUIREMENTS.
2. SEE LAKE AND WATER FEATURE SHEETS IL-1.9, IL-1.11 AND IL-1.12 FOR LINER INSTALLATION.
3. RIVERROCK IN CENTER WATER WAY TO BE 3-6" SINGLE COURSE, HAND-PLACED AND SET IN GROUT 1/3 THE HEIGHT OF THE ROCK; 75% TO BE 3-4" ROCK; 25% TO BE 4-6" ROCK.
4. RIVERROCK AT WATER WAY EDGES TO BE 6-10" SINGLE COURSE, HAND-PLACED AND SET IN GROUT 1/3 THE HEIGHT OF THE ROCK; 75% TO BE 6-8" ROCK; 25% TO BE 8-10" ROCK.
5. CONTRACTOR TO COMPLETE A 2' X 3' MOCK UP OF THE STREAM BED SHOWING EDGE AND BOTTOM FOR APPROVAL BY OWNER'S REPRESENTATIVE



0 20' 40' 80'

SCALE: 1" = 20'-0"

NORTH

Call before you OVERHEAD 1-702-221-2929

Call before you Dig. CALL 811

REVISIONS

CONSULTANT

LAS VEGAS NV
3191 E. PONDEROSA BLVD. LAS VEGAS, NV 89120
T: 702.253.5700 F: 702.253.5615

CARLSBAD CA
2248 FARADAY AVE. CARLSBAD, CA 92008

jwzunino.com | NV #1561 | AZ #35184 | CA #2738 | TX #3788

J W Z U N I N O
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
LANDSCAPE LAYOUT PLAN

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STAMP

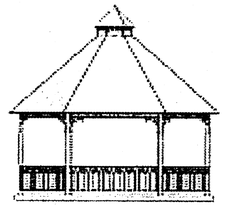
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. LANGHAM
7331
Expires: 6-30-12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	ME
FILE	B6-LY
DATE	6/27/2011
SCALE	1"=20'-0"
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L8.08

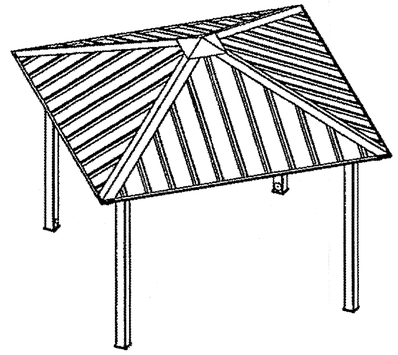
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PARK ARCHITECTURE

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BUILDING TYPE: SQUARE 12 w/MULTI RIB ROOF

JOB NUMBER: 47527

PROJECT NAME: LORENZI PARK

PROJECT LOCATION: LAS VEGAS, NV

DRAWING LIST:

SHEET NUMBER	DRAWING DESCRIPTION
CS	COVER SHEET
1	ANCHOR LAYOUT
1.1	FOOTING DETAILS
2	STRUCTURAL FRAMING PLAN
2.1	FRAME CONNECTION DETAILS
2.2	FRAME CONNECTION DETAILS (CONTINUED)
3	ARCHITECTURAL ELEVATIONS
4	ROOF LAYOUT
5	ROOF CONNECTION DETAILS
SQR	ROOF INSTALLATION

MATERIALS	ASTM DESIGNATION
TUBE STEEL	A-500 GRADE B
LIGHT GAGE COLD FORMED	A-570 GRADE 55
STRUCTURAL STEEL PLATE	A-36
ROOF PANELS (STEEL)	A-446
ANCHOR BOLTS	A-307

HIGH STRENGTH BOLTING
ALL HIGH STRENGTH BOLTS ARE A325 WITH HEAVY HEX NUTS AND ARE TO BE INSTALLED BY THE " SNUG-TIGHT " METHOD SPECIFIED IN THE THIRTEENTH EDITION OF THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" PER SECTION 8 D (1).
A325 BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE " SNUG-TIGHT " METHOD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO INSURE PROPER TIGHTNESS.

ALL WELDING IS PERFORMED BY AWS CERTIFIED WELDERS AND CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED.

IF THESE DRAWINGS ARE SEALED, THE SEAL APPLIES ONLY TO THE MATERIALS SUPPLIED BY POLIGON AND PORTERCORP AND IS NOT INTENDED AS THE SEAL OF THE ENGINEER OF RECORD FOR THE ENTIRE PROJECT.

PARTS SHOWN MAY BE UPGRADED DUE TO STANDARDIZED FABRICATION. REFER TO THE SHIPPING BILL OF MATERIALS FOR POSSIBLE SUBSTITUTIONS

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT THE PRIMARY FRAME INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM FIVE (5) YEARS DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT ELECTRIC WIRING, IF REQUIRED, IS RAN THROUGH THE STRUCTURAL MEMBERS BEFORE THE BUILDING IS ERECTED.

FABRICATOR APPROVALS
CITY OF LOS ANGELES, CA APPROVED FABRICATOR #1596
CITY OF HOUSTON, TX APPROVED FABRICATOR #470
CITY OF RIVERSIDE APPROVED FABRICATOR #SP06-0033
STATE OF UTAH APPROVED FABRICATOR 02008-14
CLARK COUNTY NEVADA APPROVED FABRICATOR #264

CERTIFICATES
MIAMI-DADE COUNTY CERTIFICATE OF COMPETENCY NO. 09-0804.03

2006 International Building Code With Nevada Amendments

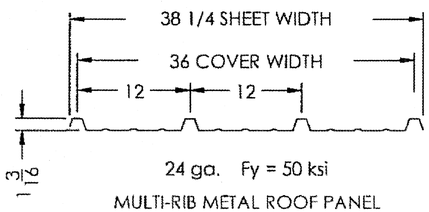
WEIGHT OF ROOFING SYSTEM:
DOWNWARD FORCE: 6 PSF
UPLIFT: 2 PSF

ROOF LIVE LOAD: 20 PSF

SNOW LOAD:
GROUND SNOW LOAD: 10 PSF
SNOW EXPOSURE FACTOR: 1.0
SNOW LOAD IMPORTANCE FACTOR: 1.0
THERMAL FACTOR: 1.2

WIND LOAD:
BASIC WIND SPEED: 90 MPH
GUST EFFECT FACTOR (G): 0.85
WIND IMPORTANCE FACTOR: 1.0
INTERNAL PRESSURE COEFFICIENT: 0
WIND EXPOSURE: C

SEISMIC DESIGN:
ORDINARY STEEL MOMENT FRAMES
SEISMIC IMPORTANCE FACTOR: 1.0
SEISMIC DESIGN CATEGORY: D
SEISMIC SITE CLASS: D
OCCUPANCY CATEGORY: II



MULTI-RIB METAL ROOF PANEL

NOTE
1. CONTRACTOR TO SUBMIT FULLY ENGINEERED (INCLUDING REQUIRED FOOTINGS), STAMPED, BY A NEVADA REGISTERED ENGINEER , SHOP DRAWINGS TO CITY OF LAS VEGAS FOR PERMITTING. OWNER WILL NOT CONSIDER CLAIMS FOR VARIATIONS FROM THE SHOWN DESIGN COMPARED TO THE SHOP DRAWINGS REQUIRED BY CODE, BUILDING OFFICIALS, CONTRACTOR'S DESIGN ENGINEER, OR OTHERS, UNLESS THE CHANGE IS A DESIGN INTENT DEVIATION FROM THE CONTRACT DOCUMENTS REQUIRED IN WRITING BY THE OWNER.
2. DESIGN, SIZING, MATERIALS, ETC. ARE TO BE PER MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.
3. FOR MANUFACTURER SEE SHEET LI7.01-LI7.02
4. CONTRACTOR IS RESPONSIBLE FOR ALL ASSOCIATED FEES FOR DESIGN, REVIEW, AND PERMITTING. IF ADDITIONAL GEO-TECH IS NEEDED THAT IS NOT PROVIDED IN DOCUMENTS, CONTRACTOR IS TO PROVIDE.
5. CONTRACTOR TO COMPLY WITH ALL ADA ACCESSIBILITY REQUIREMENTS.
6. SLAB MUST NOT BE POURED MONOLITHIC WITH SHADE STRUCTURE FOOTINGS. FOR ELECTRICAL CONDUIT AND SLEEVING INFORMATION SEE SHEETS EG8, EG9, AND S6.02.

NOTE:
MANUFACTURERS DRAWINGS

RECORD AS-BUILT
PLANS APPROVED
ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas
DJV SEP 06 2011
Does ... Comply with ... Code
Mechanical ... On-Site ... Change
Improvements Make No Change
Without Approval Plan is
Not a Permit to Violate any Ordinance

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PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

PRINT DATE: 8/30/2010
SCALE: 1:60
DRAWN BY: HARYKE
REV LEVEL: A
CREATION DATE: 3/27/2008
JOB NO: 47527
CAD MODEL: SQR-12-MR-B2-47527
PROJECT: LORENZIE PARK
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: COVER SHEET
SHEET CS

LAS VEGAS, NV
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T. 702.252.9390 | F. 702.253.1116
CARLSBAD, CA
2268 FARADAY AVE. | CARLSBAD, CA 92008
JWZ-UNINO LANDSCAPE ARCHITECTURE

REVISIONS

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
12 X12' SHADE STRUCTURE

STAMP
REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANGHAM 793 Expires 6/30/12 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

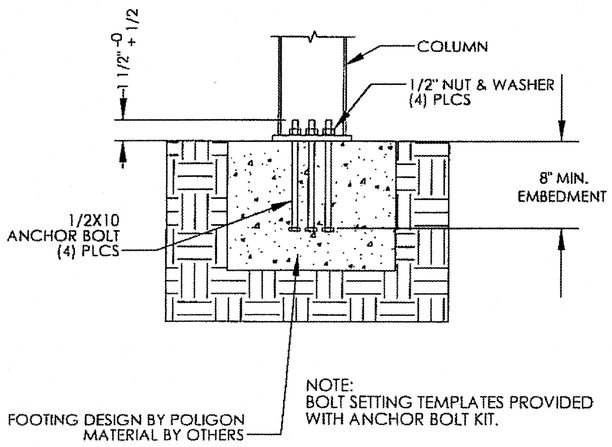
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L9.01

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Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT (USA)

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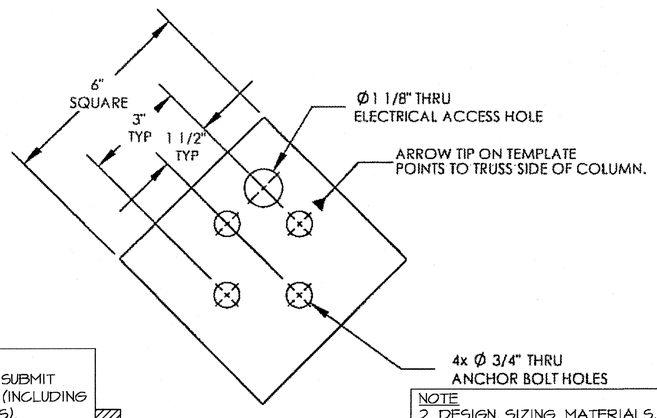


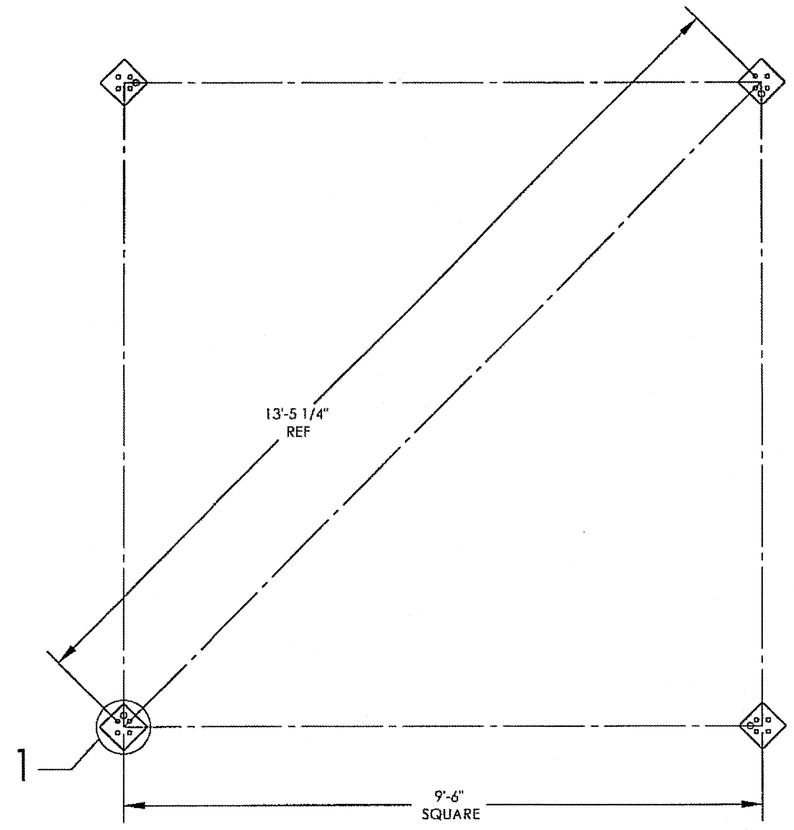
NOTE:
BOLT SETTING TEMPLATES PROVIDED WITH ANCHOR BOLT KIT.

NOTE:
THE EDGE OF CONCRETE HAS BEEN TAKEN AS OF 12 INCHES FROM CENTER OF COLUMN FOR ALL DESIGN VALUES FOR THE ANCHOR BOLTS.
IF THERE IS LESS CONCRETE COVER THAN THE 12 INCHES. THE POLIGON ENGINEERING DEPARTMENT MUST BE CONSULTED.

NOTE:
1/2" Ø SIMPSON SET OR 1/2" Ø HILTI HY-150 EPOXY ANCHORS ARE ACCEPTABLE SUSTITUTIONS FOR THE 1/2" X 10" ANCHOR BOLTS. EPOXY BOLTS ARE TO BE FULLY THREADED, A36 OR EQUIVALENT, WITH A MINIMUM OF 6-3/8" EMBEDMENT.

ELECTRICAL ACCESS HOLE IS ALWAYS LOCATED IN THE COLUMN BASE PLATE AS SHOWN. BE SURE TO KEEP THE ANCHOR BOLT TEMPLATE PROPERLY ORIENTED WHEN ELECTRICAL ACCESS TO THE COLUMN IS REQUIRED. TEMPLATE MUST BE REMOVED BEFORE INSTALLING COLUMNS.





NOTE
1. CONTRACTOR TO SUBMIT FULLY ENGINEERED (INCLUDING REQUIRED FOOTINGS), STAMPED, BY A NEVADA REGISTERED ENGINEER , SHOP DRAWINGS TO CITY OF LAS VEGAS FOR PERMITTING. OWNER WILL NOT CONSIDER CLAIMS FOR VARIATIONS FROM THE SHOWN DESIGN COMPARED TO THE SHOP DRAWINGS REQUIRED BY CODE, BUILDING OFFICIALS, CONTRACTOR'S DESIGN ENGINEER, OR OTHERS, UNLESS THE CHANGE IS A DESIGN INTENT DEVIATION FROM THE CONTRACT DOCUMENTS REQUIRED IN WRITING BY THE OWNER

1 ANCHOR BOLT PATTERN
BASE PLATE SIZE: 6 x 6 x 1/2

DETAIL 1
SCALE 1 : 4

NOTE
2. DESIGN, SIZING, MATERIALS, ETC. ARE TO BE PER MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.
3. FOR MANUFACTURER SEE SHEET L1.7.01-L1.7.02
4. CONTRACTOR IS RESPONSIBLE FOR ALL ASSOCIATED FEES FOR DESIGN, REVIEW, AND PERMITTING. IF ADDITIONAL GEO-TECH IS NEEDED THAT IS NOT PROVIDED IN DOCUMENTS, CONTRACTOR IS TO PROVIDE.
5. CONTRACTOR TO COMPLY WITH ALL ADA ACCESSIBILITY REQUIREMENTS.
6. SLAB MUST NOT BE POURED MONOLITHIC WITH SHADE STRUCTURE FOOTINGS. FOR ELECTRICAL CONDUIT AND SLEEVING INFORMATION SEE SHEETS EG8, EG9, AND S6.02.

COLUMN/S C1			
Summary: Foundation Design Loads	REACTION TYPE	Force	Unit
	Vertical Dead Load (+)	0.5	kip
	Max. Vertical Uplift Force (-)	-0.3	kip
	Max. Vertical Downward Force (+)	1.5	kip
	Max. Horizontal Shear Force (+/-)	0.1	kip
	Max. Overturning Moment (+/-)	0.00	kip-ft

NOTE:
THE STRUCTURE HAS BEEN DESIGNED AS A OPEN STRUCTURE (NO WALLS) - UNLESS NOTED OTHERWISE.
IF WALLS ARE TO BE ADDED TO THE STRUCTURE THE POLIGON ENGINEERING DEPARTMENT MUST BE CONSULTED.

NOTE:
MANUFACTURERS DRAWINGS

RECORD
AS-BUILT

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by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

CREATION DATE: 3/27/2008
JOB NO: 47527
DRAWN BY: bristie
REV LEVEL: A
PRINT DATE: 8/30/2010
SCALE: 1:24
CAD MODEL: SQR-12-MR-B2-47527
DRAWING: ANCHOR LAYOUT
PROJECT LOCATION: LAS VEGAS, NV
PROJECT: LORENZI PARK
SHEET 1

LAS VEGAS, NV
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T. 702.252.3838 | F. 702.253.1015
CARLSBAD, CA
2246 FARADAY AVE. | CARLSBAD, CA 92008
JWZ-UNINO
LANDSCAPE ARCHITECTURE

REVISIONS

CONSULTANT

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
12'X12' SHADE SHELTER

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STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
783
6/2/11
Expires 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

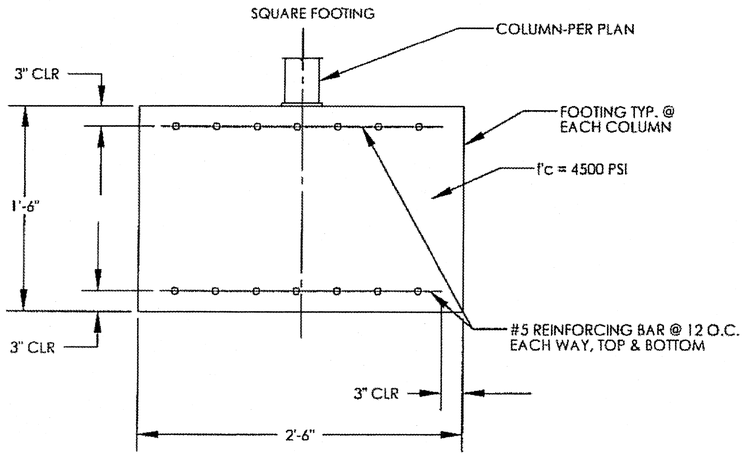
DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.153A104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L9.02

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

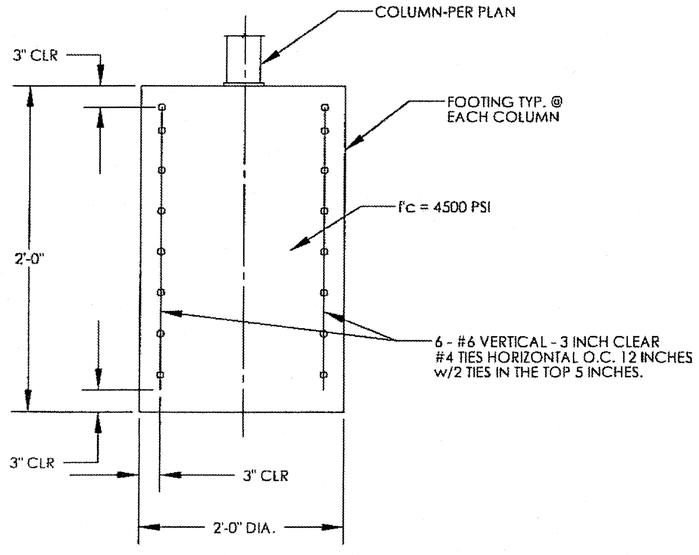
Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT (USA)

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Lorenzi Park-0273.tif



NOTES:
1. PROVIDE PLYWOOD COLLAR AROUND FOOTING HOLE TO PREVENT DIRT FROM FALLING IN THE HOLE.
2. VIBRATE CONCRETE FULL DEPTH OF FOOTING.



DRILLED PIER FOOTING

FOUNDATION NOTES:
1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THEBUILDING CODE, AMERICAN CONCRETE INSTITUTE, AND ALL APPLICABLE STATE & LOCAL ORDINANCES AND REQUIREMENTS.
2. THE CONCRETE DESIGN IS BASED ON A 28-DAY STRENGTH OF 4500 PSI.
3. ANCHOR BOLTS SHALL BE A307 QUALITY AND RECOMMENDED TO BE THE "HEADED" TYPE BOLT IF NOT USING THE ANCHORS SUPPLIED BY THE MANUFACTURER OF THE SHELTER.
4. THE SPREAD FOOTING SHALL BEAR ON COMPETENT UNDISTURBED SOIL OR 95% COMPACTED FILL. IF SIGNS OF ORGANIC MATERIAL, UNCONTROLLED FILL, CLAY OR SILT, HIGH WATER TABLE OR OTHER POSSIBLE DETRIMENTAL CONDITIONS ARE FOUND, INSTALLATION OF THE FOUNDATION MUST BE DISCONTINUED AND A SOILS ENGINEER CONTACTED. THE SOILS ENGINEER MUST THEN EVALUATE THE SOIL PROPERTIES BEFORE THE FOUNDATION CAN BE INSTALLED. A LOCAL FOUNDATION DESIGN ENGINEER MUST THEN REDESIGN THE FOUNDATION BASED ON THE NEW SOILS CONDITION.
5. THE REINFORCING STEEL SHALL BE NEW AND UNUSED AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615, GRADE 60.
6. IF FOOTING DEPTH SHOWN DOES NOT MEET LOCAL FROST REQUIREMENTS, FOOTINGS SHALL BE RE-DESIGNED UNDER THE DIRECTION OF A LOCAL ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCAL FROST LINE DEPTH BELOW GRADE PRIOR TO CONSTRUCTION.

THE FOUNDATION DESIGN CONTAINED HEREIN IS NOT SITE SPECIFIC, BUT BASED ON TABLE 1804.2 OF THE BUILDING CODE, CLASS 5 SOIL MATERIAL. THE BUILDING OFFICIAL IN THE JURISDICTION OF WHICH THIS STRUCTURE IS LOCATED, MAY REQUIRE THAT A SITE SPECIFIC GEOTECHNICAL REPORT BE PROVIDED AND BE INCORPORATED IN THE SUBMITTAL DOCUMENTS.

NOTE
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3. FOR MANUFACTURER SEE SHEET L17.01-L17.02
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NOTE:
MANUFACTURERS DRAWINGS

RECORD
AS-BUILT

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by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

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PROJECT:
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: FOOTING DETAILS
CAD MODEL: SQR-12-MR-B2-47527
CREATION DATE: 3/27/2008
JOB NO: 47527
DRAWN BY:
REV LEVEL: A
PRINT DATE: 8/30/2010
SCALE: 1:1
SHEET 1.1

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Call before you Dig. CALL 811

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jwzunino.com | phone: 1.760.729.1 | consultant | consultants
NV #1161 | CT #29584 | MA #002 | AZ #29594 | CA #2798 | TX #1788
J W Z U N I N O
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
12 X 12' SHADE SHELTER

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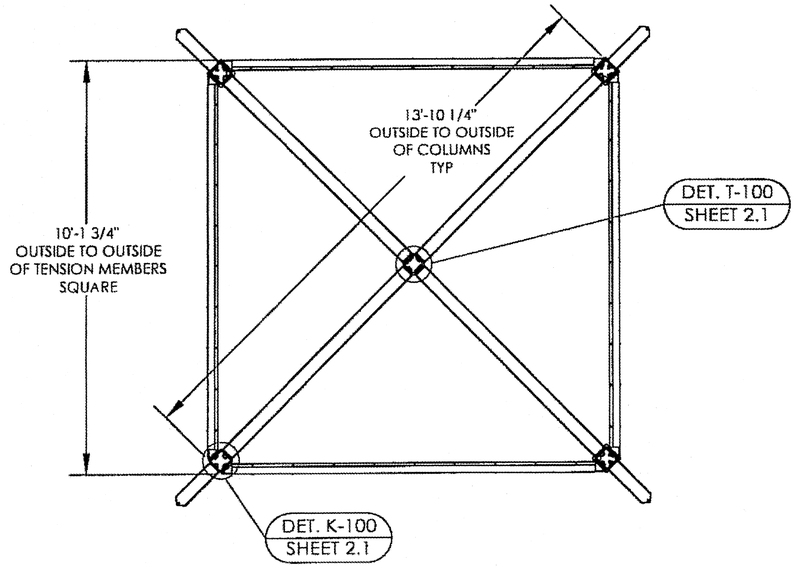
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
733
6-21-11
Expires 6/30/12
STATE OF NEVADA

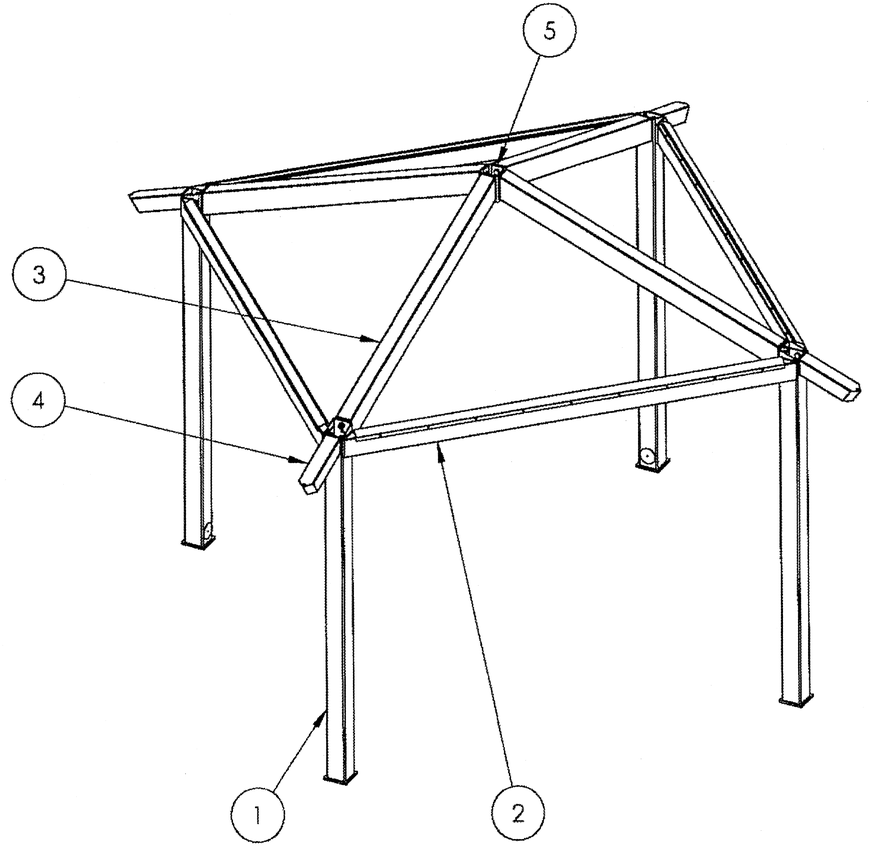
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

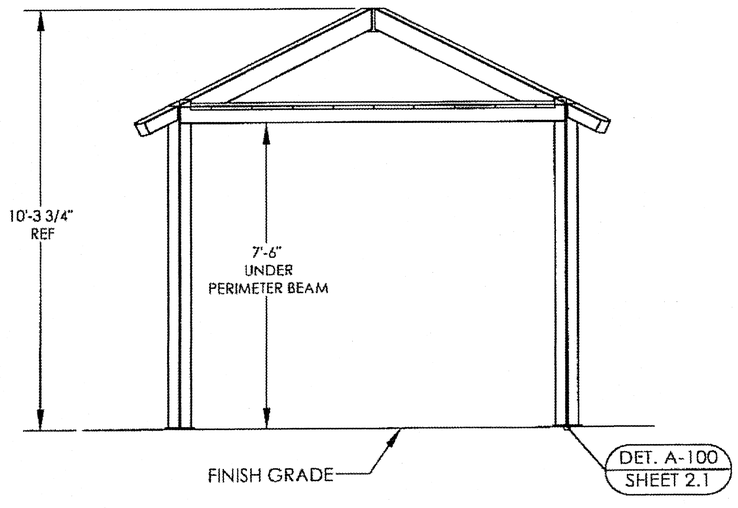
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702)229-5535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
TITLE	B6-DT-Poligon
DATE	6/21/2011
SCALE	AS NOTED
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L9.03

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ITEM	FRAME/QTY.	Part No.	Description	Material
5	1	-	C-TUBE ASM, -	-
4	4	-	TRUSS TAIL ASM, -	-
3	4	-	TRUSS ASM,-	-
2	4	-	T-MEM ASM,-	-
1	4	-	COLUMN ASM, HSS5X5X3/16, 96.445" L	HSS5X5X3/16

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NOTE:
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PROJECT:
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: STRUCTURAL FRAMING PLAN
CAD MODEL: SQR-12-MR-B2-47527
SHEET 2

CREATION DATE: 3/27/2008
JOB NO: 47527
DRAWN BY: bristé
REV LEVEL: A
PRINT DATE: 8/30/2010
SCALE: 1:40

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www.poligon.com
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PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

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jwzsunline.com | NV #1001 | NM #280 | AZ #32184 | CA #37258 | TX #13788

J W Z SUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
12'X12' SHADE SHELTER

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. ZAMBRANO
733
Expires: 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

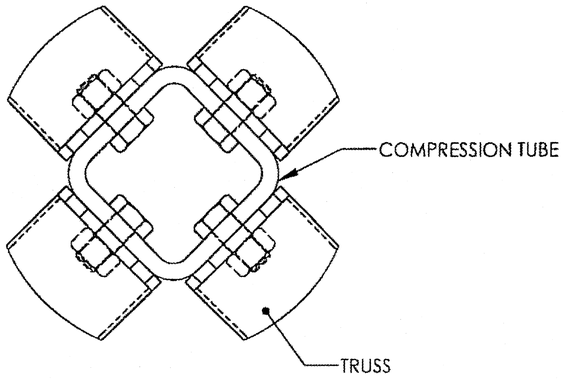
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CED
FILE	136-DT-Poligon
DATE	6/21/2011
SCALE	AS NOTED
BID NO	10.1534104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L9.04

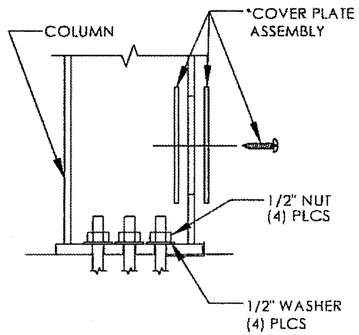
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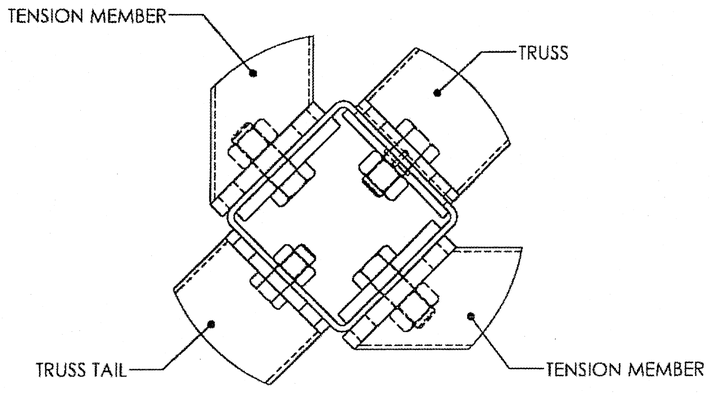


TRUSS CONNECTION @ COMPRESSION TUBE | T-100



*COVER PLATE ASSEMBLY CONSISTING OF:
(1) PLATE (231-0380)
(1) STRAP (231-0381)
(1) SCREW (030015)

SECTION - ANCHOR BOLT AT COLUMN | A-100



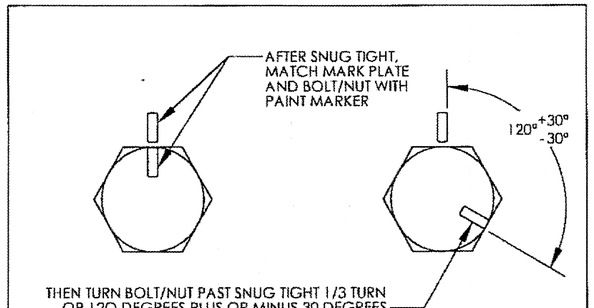
TRUSS, TENSION MEMBER, & TRUSS TAIL CONNECTION @ COLUMN | K-100

NOTES:
ALL HIGH STRENGTH BOLTS ARE A-325 BOLTS AND TO BE INSTALLED BY THE "SNUG-TIGHT" METHOD AS SPECIFIED IN THE 13TH EDITION OF THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", SECTION 8 D (1). A-325 BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE "SNUG-TIGHT" METHOD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO INSURE PROPER TIGHTNESS. THIS METHOD IS ONLY REQUIRED ON 5/8" DIAMETER AND LARGER BOLTS. ANCHOR BOLTS NEED NOT BE TIGHTENED PAST SNUG TIGHT.

LOCAL JURISDICTIONS MAY REQUIRE AN INSPECTOR TO BE PRESENT TO WITNESS HARDWARE INSTALLATION AND INDEPENDENT TESTING. INSPECTION REQUIREMENTS SHOULD BE VERIFIED PRIOR TO STEEL ERECTION. SEE FIGURE BELOW FOR PROPER HIGH STRENGTH BOLT INSTALLATION.

ERECTION OF THE FRAMING MEMBERS WILL REQUIRE THE MAIN COLUMNS TO BE PLUMB SQUARE AND TIGHTENED TO THE TRUSSES AND TENSION MEMBERS BEFORE INSTALLING THE PURLINS. PURLINS, IF REQUIRED, MUST BE PARALLEL TO THE EAVE BEAMS AND TENSION MEMBERS.

UNLESS THE BUILDING HAS A FACTORY APPLIED POWDERCOAT, E-COAT OR GALVANIZING, THE FRAME WILL BE PRIME PAINTED AND WILL BE REQUIRED TO BE FINISH PAINTED IN THE FIELD WITH ALL PAINT, MATERIALS AND LABOR NOT BY POLIGON (PORTERCORP). REFER TO FINAL SALES ORDER.



NOTE:
NUT OR BOLT ROTATION FROM SNUG-TIGHT CONDITION FOR All OF POLIGON'S CONNECTIONS IS 1/3 TURN (OR 120 DEGREES)

TOUCH-UP PAINT MUST BE APPLIED TO ALL EXPOSED BOLTS & NUTS. PERIODIC TOUCH-UP AT THESE BOLTED CONNECTIONS IS A MUST.

NOTE
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NOTE:
MANUFACTURERS DRAWINGS

RECORD AS-BUILT

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www.poligon.com
by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

PRINT DATE: 8/30/2010
SCALE: 1:4
DRAWN BY: bristle
REVIEWED: A
CREATION DATE: 3/27/2008
JOB NO: 47527
PROJECT: SQR-12-MR-82-47527
CAD MODEL:
DRAWING: FRAME CONNECTION DETAILS
PROJECT LOCATION: LAS VEGAS, NV
PATENTED AND/OR PATENTS PENDING COPYRIGHT 2006 PORTERCORP HOLLAND, MI 49424
SHEET 2.1

Call before you OVERHEAD 1-702-221-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT
Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT (USA)

REVISIONS

CONSULTANT

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JWZunino.com
NV #2001 | AZ #35584 | CA #3788 | TX #3788
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LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
12'X12' SHADE SHELTER

STAMP



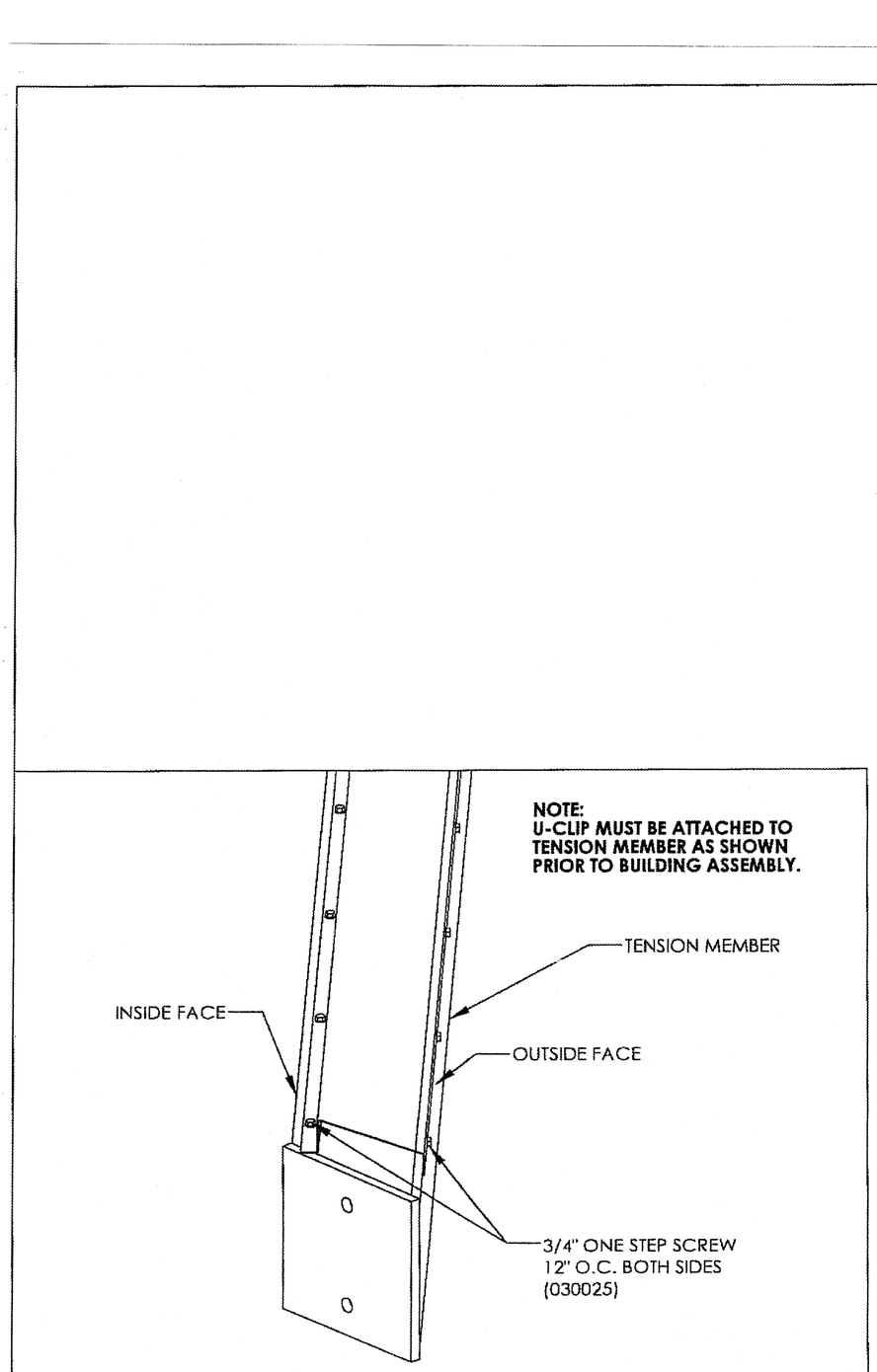
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-5232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/21/2011
SCALE	AS NOTED
BID NO	10.15341.04
CLV DWG NO	650.13-47-2
HANSEN NO	33039
SHT NO	L9.05

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U-CLIP CONNECTION AT T-MEMBER/C-MEMBER | UC-100

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NOTE:
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PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

DRAWN BY:
PRINT DATE: 8/30/2010
REV LEVEL: A
SCALE: 1:1

CREATION DATE: 3/27/2008
JOB NO: 47527
CAD MODEL: SQR-12-MR-B2-47527
DRAWING: FRAME CONNECTION DETAILS
PROJECT LOCATION: LAS VEGAS, NV
PROJECT: LORENZI PARK

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SHEET 2.2

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REVISIONS

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CARLSBAD CA
2246 FARADAY AVE. | CARLSBAD, CA 92008
JWZunino.com
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LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
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12'X12' SHADE SHELTER

STAMP

REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANDWEHR 7739 Expires 6/30/12 STATE OF NEVADA

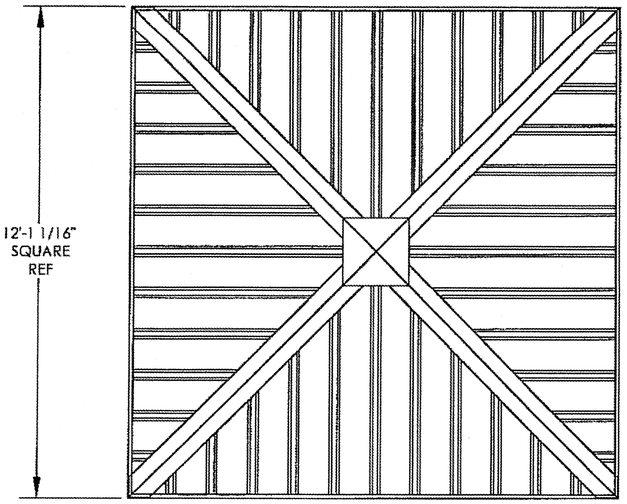
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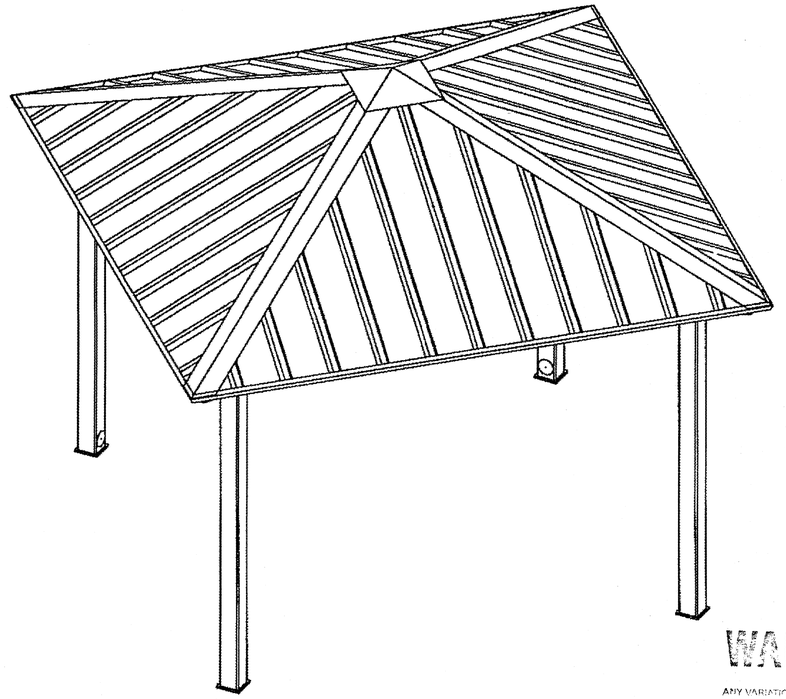
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PHONE: (702) 229-6535
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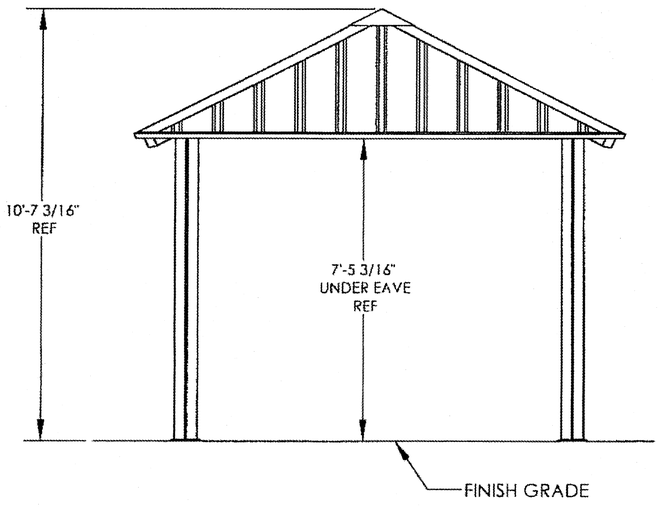
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FILE	136-DT-Poligon
DATE	6/21/2011
SCALE	AS NOTED
BID NO	10.1534104
CLV DWG NO	650.13-47-2
HANSEN NO	33039
SHT NO	L9.06

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WARNING:

ANY VARIATION IN THE ELEVATIONS AS SHOWN AND APPROVED HEREIN MAY RESULT IN THE WITHHOLDING OF FINAL APPROVAL AND/OR A CERTIFICATE OF OCCUPANCY UNTIL SUCH TIME AS THE BUILDING STRUCTURE AND/OR PLANS ARE REVISED TO REFLECT THE ELEVATIONS AS APPROVED HEREIN.

9.14.11

NOTE:
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RECORD
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PLANS APPROVED
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Building & Safety Dept.
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Mechanical, Plumbing or Electrical Permits
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PROJECT: LORENZI PARK
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: ARCHITECTURAL ELEVATIONS
CAD MODEL: SQR-12-MR-B2-47527

CREATION DATE: 3/27/2008
JOB NO: 47527

DRAWN BY: brisfe
REV LEVEL: A
PRINT DATE: 8/30/2010
SCALE: 1:40

SHEET
3

Shirlee Browne-Glenn 9.14.11

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REVISIONS

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T 702.253.7388 F 702.253.7016
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PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
12'X12' SHADE SHELTER

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
733
Expires 6/30/12
STATE OF NEVADA

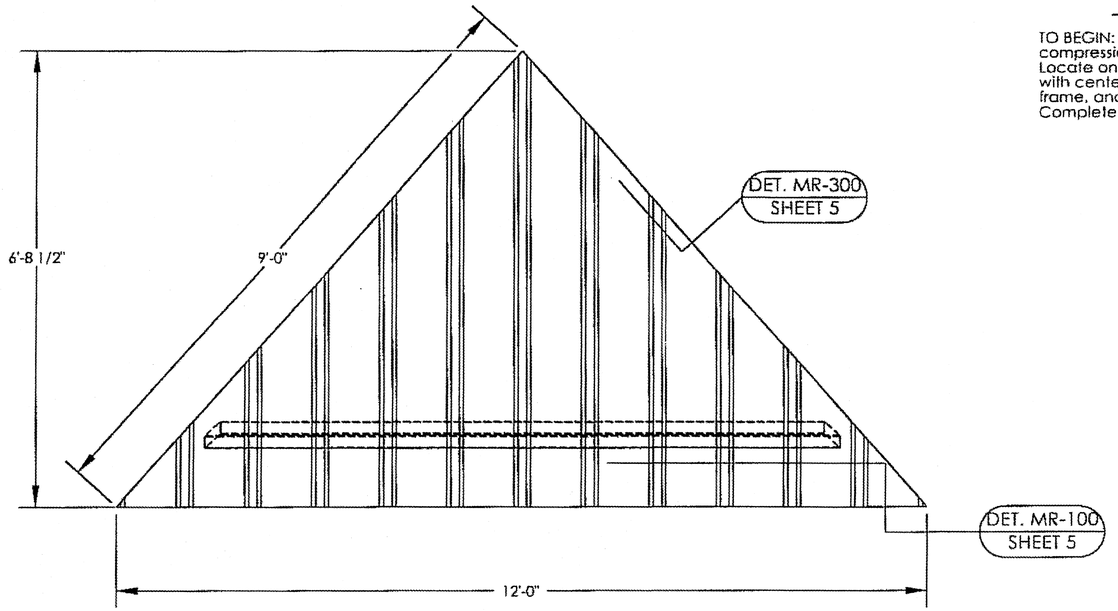
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DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/21/2011
SCALE	AS NOTED
SID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L9.07

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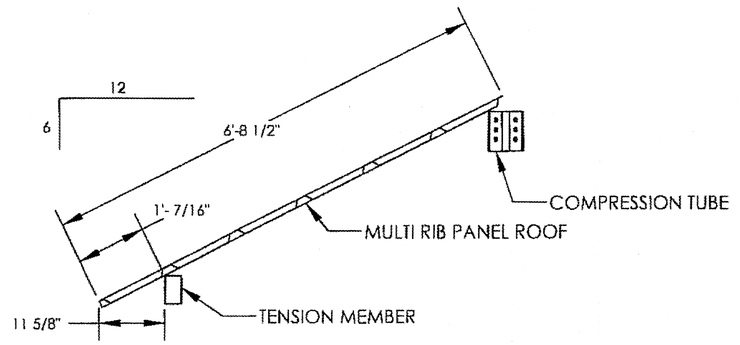


℄ OF PANEL RIB & FRAME

TO BEGIN: Mark the center of the compression ring and tension ring. Locate one of the longest panels with center of ribs at center of frame, and work out to corners. Complete each pie in this fashion.

METAL SHAVINGS FROM DRILLING OR INSTALLATION OF ROOF FASTENERS MUST BE CAREFULLY REMOVED FROM THE ROOF BY BRUSHING OR SWEEPING AT THE END OF EACH DAY DURING INSTALLATION.

SHAVINGS LEFT ON THE ROOF WILL QUICKLY RUST AND STAIN THE ROOF FINISH.



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THE DETAILS SHOWN ARE SUGGESTIONS OR GUIDELINES ON HOW TO ERECT THE SYSTEMS. THE INFORMATION SHOWN IS ACCURATE, BUT IT IS NOT INTENDED TO COVER ALL INSTANCES, BUILDING REQUIREMENTS, DESIGNS OR CODES. THE DETAILS MAY REQUIRE CHANGES OR REVISIONS DUE TO FIELD CONDITIONS.

IT SHALL BE THE RESPONSIBILITY OF THE ERECTOR TO ENSURE THAT THE DETAILS MEET PARTICULAR BUILDING REQUIREMENTS AND TO ASSURE ADEQUATE WATER TIGHTNESS.

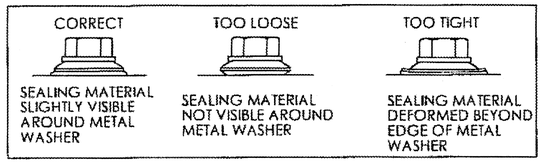
THE ERECTOR SHOULD THOROUGHLY FAMILIARIZE HIMSELF/HERSELF WITH ALL ERECTION INSTRUCTIONS BEFORE STARTING WORK.

THE PANELS SHOULD BE INSTALLED PLUMB, STRAIGHT, AND ACCURATELY TO THE ADJACENT WORK.

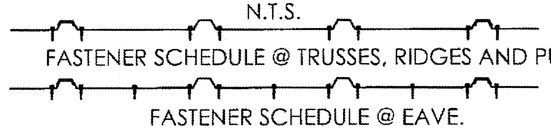
FLASHING AND TRIM SHALL BE INSTALLED TRUE, AND IN PROPER ALIGNMENT, WITH ANY EXPOSED FASTENERS EQUALLY SPACED FOR THE BEST APPEARANCE.

SEALANT SHALL BE FIELD APPLIED ON DRY, CLEAN SURFACES. SOME FIELD CUTTING AND FITTING OF PANELS AND FLASHING IS TO BE EXPECTED BY THE ERECTOR AND MINOR FIELD CORRECTIONS ARE A PART OF NORMAL ERECTION WORK.

WORKMANSHIP SHALL BE OF THE BEST INDUSTRY STANDARDS AND INSTALLATION SHALL BE PERFORMED BY EXPERIENCED METAL CRAFTSMEN.



Fastener Schedule
N.T.S.



NOTE:
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PRINT DATE: 8/30/2010
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REV LEVEL: A
CREATION DATE: 3/27/2008
JOB NO: 47527

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PROJECT: LORENZI PARK
PROJECT LOCATION: LAS VEGAS, NV
CAD MODEL: SQR-12-MR-B2-47527
DRAWING: ROOF LAYOUT

SHEET 4

L A S V E G A S N V
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T. 702.253.9588 F. 702.253.1018
C A R L S B A D C A
2248 FARADAY AVE. | CARLSBAD, CA 92008
J W Z U N I N O
LANDSCAPE ARCHITECTURE

REVISIONS

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
12 X12 SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LAGMAY
783
Exp. 6/30/12
STATE OF NEVADA

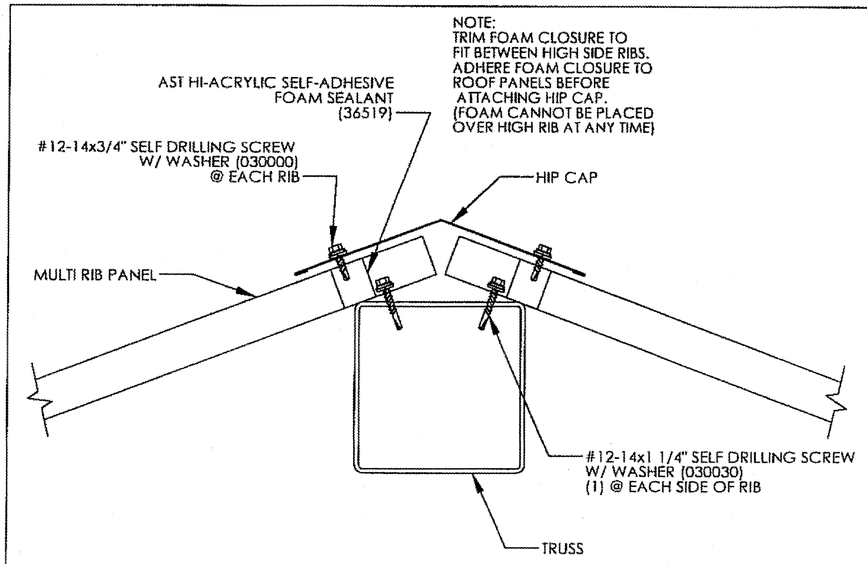
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FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN: CEB
FILE: B6-DT-Poligon
DATE: 8/27/2011
SCALE: AS NOTED
BID NO: 10.1534.04
CLV DWG NO: 650.19-47-2
JOHNSON NO: 33039
SHT NO: L9.08

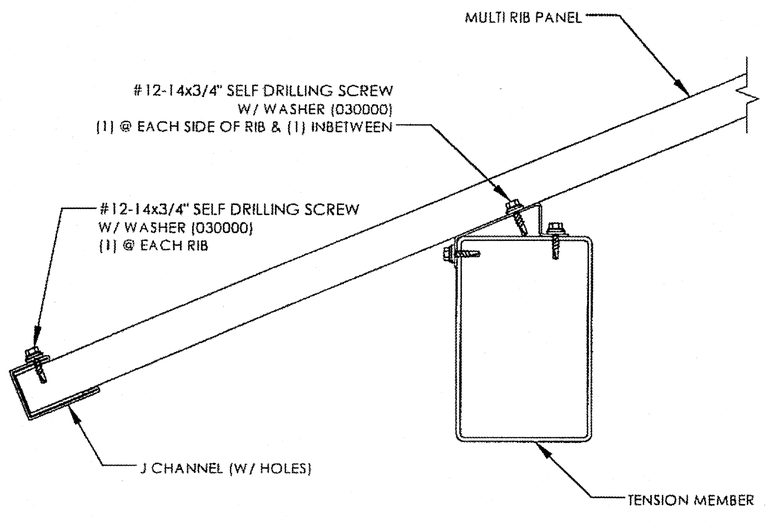
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Call before you Dig. CALL 811 (Underground Service Alert USA)

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SECTION @ TRUSS | MR-300



SECTION @ EAVE | MR-100

NOTE:
ATTACH ROOF PEAK CAP TO RIBS & RIDGE CAP WITH 3/4" SELF DRILLING SCREW. (030000)



030000
#12-14x3/4" SELF DRILLING SCREW.



030030
#12-14x1 1/4" SELF DRILLING SCREW.
(NOTE: USE ONLY TO FASTEN ROOF AT THE RIDGE TO THE TRUSS OR RIDGE BEAM.)



030105
1/8"x" POP RIVET
USE TO ATTACH THE COVER PLATES.

NOTE:
ALL MATERIALS ARE CALLED OUT ON SHEET 4.

NOTE
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PROJECT: LORENZI PARK
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: ROOF CONNECTION DETAILS
CAD MODEL: SQR-12-MR-B2-47527

CREATION DATE: 3/27/2008
JOB NO: 47527
DRAWN BY:
REV LEVEL: A
PRINT DATE: 8/30/2010
SCALE: 1:1

SHEET 5

LAS VEGAS NV
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
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CARLSBAD CA
2248 FARADAY AVE. | CARLSBAD, CA 92008
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REVISIONS

LORENZI PARK RENOVATION
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12'X12' SHADE SHELTER

STAMP
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CHRISTOPHER LANGHOFF
733
Expires: 6/30/12
STATE OF NEVADA

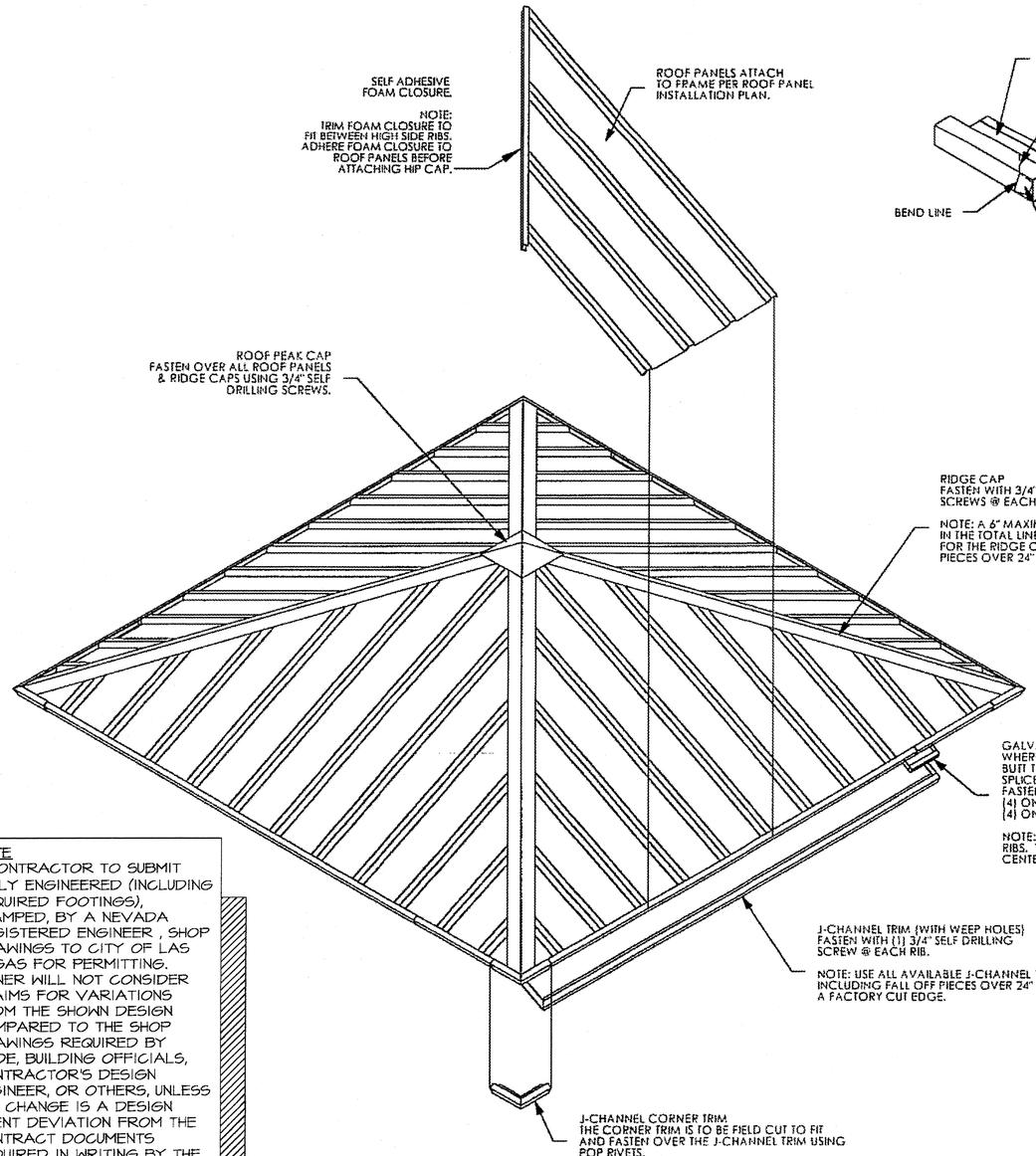
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PHONE: (702) 229-6533
FAX: (702) 382-9232
TDD: (702) 386-9108

DRAWN: CEB
FILE: 136-DT-Poligon
DATE: 6/27/2011
SCALE: AS NOTED
BID NO: 10.15341.04
CLV DWG NO: 650.19-47-2
HANSEN NO: 33039
SHT NO: L9.09

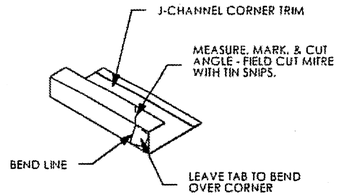
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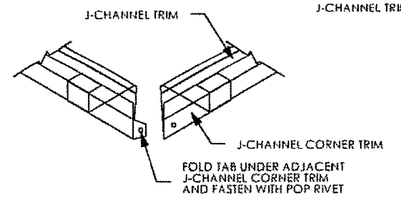
Call before you OVERHEAD 1-702-227-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT
Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT SOUTH

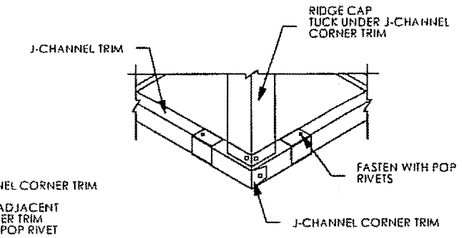
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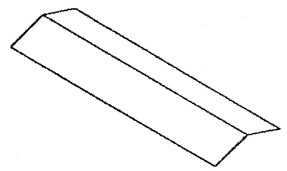
J-CHANNEL CORNER TRIM CONNECTION DETAILS



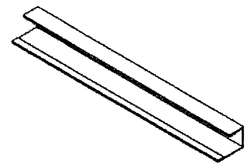




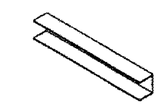
TRIM PIECE DESCRIPTIONS



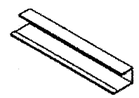
RIDGE CAP
10' LONG
COLOR ON TOP SIDE



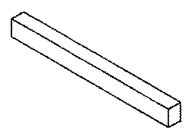
J-CHANNEL TRIM
10' LONG
COLOR ON OUTSIDE
GALVANIZED STEEL INSERT



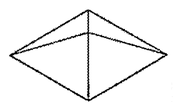
GALVANIZED SPLICE CHANNEL
8' LONG
GALVANIZED STEEL



J-CHANNEL CORNER TRIM
8' LONG
COLOR ON OUTSIDE



SELF ADHESIVE FOAM CLOSURE
13' LONG ROLL



ROOF PEAK CAP
COLOR ON TOP SIDE

NOTE
1. CONTRACTOR TO SUBMIT FULLY ENGINEERED (INCLUDING REQUIRED FOOTINGS), STAMPED, BY A NEVADA REGISTERED ENGINEER , SHOP DRAWINGS TO CITY OF LAS VEGAS FOR PERMITTING. OWNER WILL NOT CONSIDER CLAIMS FOR VARIATIONS FROM THE SHOWN DESIGN COMPARED TO THE SHOP DRAWINGS REQUIRED BY CODE, BUILDING OFFICIALS, CONTRACTOR'S DESIGN ENGINEER, OR OTHERS, UNLESS THE CHANGE IS A DESIGN INTENT DEVIATION FROM THE CONTRACT DOCUMENTS REQUIRED IN WRITING BY THE OWNER

NOTE: REMOVE ALL PROTECTIVE PLASTIC FROM TRIM PARTS BEFORE INSTALLING.

NOTE: FOR SECTION VIEWS OF THE ROOF, REFER TO THE ROOF CONNECTION DETAIL SHEET.

NOTE
2. DESIGN, SIZING, MATERIALS, ETC. ARE TO BE PER MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.
3. FOR MANUFACTURER SEE SHEET L17.01-L17.02
4. CONTRACTOR IS RESPONSIBLE FOR ALL ASSOCIATED FEES FOR DESIGN, REVIEW, AND PERMITTING. IF ADDITIONAL GEO-TECH IS NEEDED THAT IS NOT PROVIDED IN DOCUMENTS, CONTRACTOR IS TO PROVIDE.
5. CONTRACTOR TO COMPLY WITH ALL ADA ACCESSIBILITY REQUIREMENTS.
6. SLAB MUST NOT BE POURED MONOLITHIC WITH SHADE STRUCTURE FOOTINGS. FOR ELECTRICAL CONDUIT AND SLEEVING INFORMATION SEE SHEETS E68, E69, AND S6.02.

RECORD AS-BUILT

NOTE:
MANUFACTURERS DRAWINGS

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by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

PRINT DATE: 8/30/2010
SCALE: 1:1
DRAWN BY:
REV LEVEL: A
CREATION DATE: 3/27/2008
JOB NO: 47527
CAD MODEL: SQR-12-MR-B2-47527
DRAWING: ROOF INSTALLATION
PROJECT: LORENZI PARK
PROJECT LOCATION: LAS VEGAS, NV
SHEET: SQR

PATENTED AND/OR PATENTS PENDING COPYRIGHT 2006 PORTERCORP HOLLAND, MI 49424

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Call before you Dig. CALL 811 811 NEVADA UNDERGROUND SERVICE ALERT SOUTH

REVISIONS
CONSULTANT
LAS VEGAS NV
3191 S. JONES BLVD. LAS VEGAS, NV 89146
T 702.253.9280 F 702.253.1316
CARLSBAD CA
2248 FARADAY AVE. CARLSBAD, CA 92008
jwzunino.com
JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
12 X 12 SHADE SHELTER

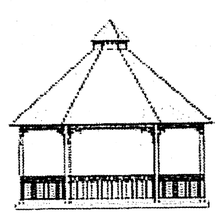
STAMP
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
733
Expires 12.31.11
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

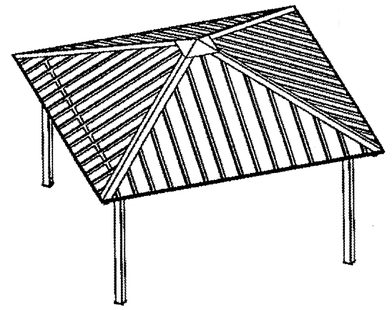
DRAWN CEB
FILE B6-DT-Poligon
DATE 6/27/2011
SCALE AS NOTED
BID NO 10.15341.04
CLV DWG NO 650.19-47-2
HANSEN NO 33039
SHT NO L9.10

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PARK ARCHITECTURE



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Copyright laws protect the style and visual appearance of the structure while patents may protect other parts of the design.

BUILDING TYPE: SQR 16 w/ MULTI RIB ROOF

JOB NUMBER: 47512

MATERIALS	ASTM DESIGNATION
TUBE STEEL	A-500 GRADE B
LIGHT GAGE COLD FORMED	A-570 GRADE 55
STRUCTURAL STEEL PLATE	A-36
ROOF PANELS (STEEL)	A-446
ANCHOR BOLTS	A-307

HIGH STRENGTH BOLTING
ALL HIGH STRENGTH BOLTS ARE A325 WITH HEAVY HEX NUTS AND ARE TO BE INSTALLED BY THE " SNUG-TIGHT " METHOD SPECIFIED IN THE THIRTEENTH EDITION OF THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" PER SECTION 8 D (1). A325 BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE " SNUG-TIGHT " METHOD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO INSURE PROPER TIGHTNESS.

ALL WELDING IS PERFORMED BY AWS CERTIFIED WELDERS AND CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED.

IF THESE DRAWINGS ARE SEALED, THE SEAL APPLIES ONLY TO THE MATERIALS SUPPLIED BY POLIGON AND PORTERCORP AND IS NOT INTENDED AS THE SEAL OF THE ENGINEER OF RECORD FOR THE ENTIRE PROJECT.

PARTS SHOWN MAY BE UPGRADED DUE TO STANDARDIZED FABRICATION. REFER TO THE SHIPPING BILL OF MATERIALS FOR POSSIBLE SUBSTITUTIONS

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT THE PRIMARY FRAME INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM FIVE (5) YEARS DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT ELECTRIC WIRING, IF REQUIRED, IS RAN THROUGH THE STRUCTURAL MEMBERS BEFORE THE BUILDING IS ERECTED.

FABRICATOR APPROVALS
CITY OF LOS ANGELES, CA APPROVED FABRICATOR #1596
CITY OF HOUSTON, TX APPROVED FABRICATOR #470
CITY OF RIVERSIDE APPROVED FABRICATOR #SP06-0033
STATE OF UTAH APPROVED FABRICATOR 02008-14
CLARK COUNTY NEVADA APPROVED FABRICATOR #264

CERTIFICATES
MIAMI-DADE COUNTY CERTIFICATE OF COMPETENCY NO. 09-0804.03

2006 International Building Code With Nevada Amendments

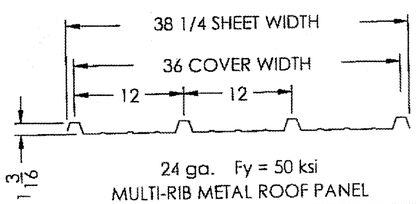
WEIGHT OF ROOFING SYSTEM:
DOWNWARD FORCE: 6 PSF
UPLIFT: 2 PSF

ROOF LIVE LOAD: 20 PSF

SNOW LOAD:
GROUND SNOW LOAD: 10 PSF
SNOW EXPOSURE FACTOR: 1.0
SNOW LOAD IMPORTANCE FACTOR: 1.0
THERMAL FACTOR: 1.2

WIND LOAD:
BASIC WIND SPEED: 90 MPH
GUST EFFECT FACTOR (G): 0.85
WIND IMPORTANCE FACTOR: 1.0
INTERNAL PRESSURE COEFFICIENT: 0
WIND EXPOSURE: C

SEISMIC DESIGN:
ORDINARY STEEL MOMENT FRAMES
SEISMIC IMPORTANCE FACTOR: 1.0
SEISMIC DESIGN CATEGORY: D
SEISMIC SITE CLASS: D
OCCUPANCY CATEGORY: II



24 ga. Fy = 50 ksi
MULTI-RIB METAL ROOF PANEL

PROJECT NAME: LORENZI PARK

PROJECT LOCATION: LAS VEGAS, NV

DRAWING LIST:

SHEET NUMBER	DRAWING DESCRIPTION
CS	COVER SHEET
1	ANCHOR LAYOUT
1.1	FOOTING DETAILS
2	STRUCTURAL FRAMING PLAN
2.1	FRAME CONNECTION DETAILS
2.2	FRAME CONNECTION DETAILS (CONTINUED)
3	ARCHITECTURAL ELEVATIONS
4	PRIMARY ROOF LAYOUT
5	ROOF CONNECTION DETAILS
SQR	ROOF INSTALLATION

NOTE
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3. FOR MANUFACTURER SEE SHEET L1T.01-L1T.02
4. CONTRACTOR IS RESPONSIBLE FOR ALL ASSOCIATED FEES FOR DESIGN, REVIEW, AND PERMITTING. IF ADDITIONAL GEO-TECH IS NEEDED THAT IS NOT PROVIDED IN DOCUMENTS, CONTRACTOR IS TO PROVIDE.
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NOTE:
MANUFACTURERS DRAWINGS

RECORD AS-BUILT
PLANS APPROVED
ARCHITECTURAL
Building Plan Review Dept.
City of Las Vegas
DJV SEP 06 2011
Date ... Building
Mechanical ... Fire
Improvements ... Water
Water & Sewer ... Planning
Not a Permit ... Engineering

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PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

PRINT DATE: 8/23/2010
SCALE: 1:84
DRAWN BY: HARYKE
REV LEVEL: A
CREATION DATE: 4/3/2009
JOB NO: 47512
CAD MODEL: SQR-16-MR-B2-47512
DRAWING: COVER SHEET
PROJECT LOCATION: LAS VEGAS, NV
PROJECT: LORENZI PARK
PATENTED AND/OR PATENTS PENDING COPYRIGHT 2004 PORTERCORP HOLLAND, MI 49424
SHEET CS

LAS VEGAS NV
3191 S. JONES BLVD. LAS VEGAS, NV 89146
P. 702.253.8380 F. 702.253.1616
CARLSBAD CA
2241 FARADAY AVE. | CARLSBAD, CA 92008
jwzunino.com | (619) 819-9393 | (760) 692-2787
NV #1065 | UT #10381 | AZ #32184 | CA #2788 | TX #21788
J W ZUNINO
LANDSCAPE ARCHITECTURE

REVISIONS

CONSULTANT

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
16'X16' SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LAWORAN 733 Expires 6/30/12 STATE OF NEVADA

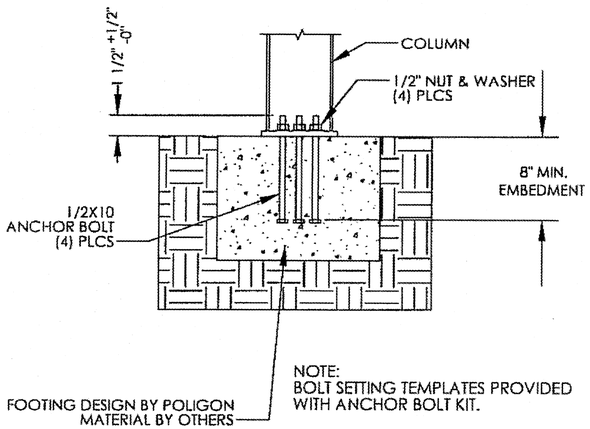
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6539
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/7/2011
SCALE	AS NOTED
BID NO	10.1534104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L10.01

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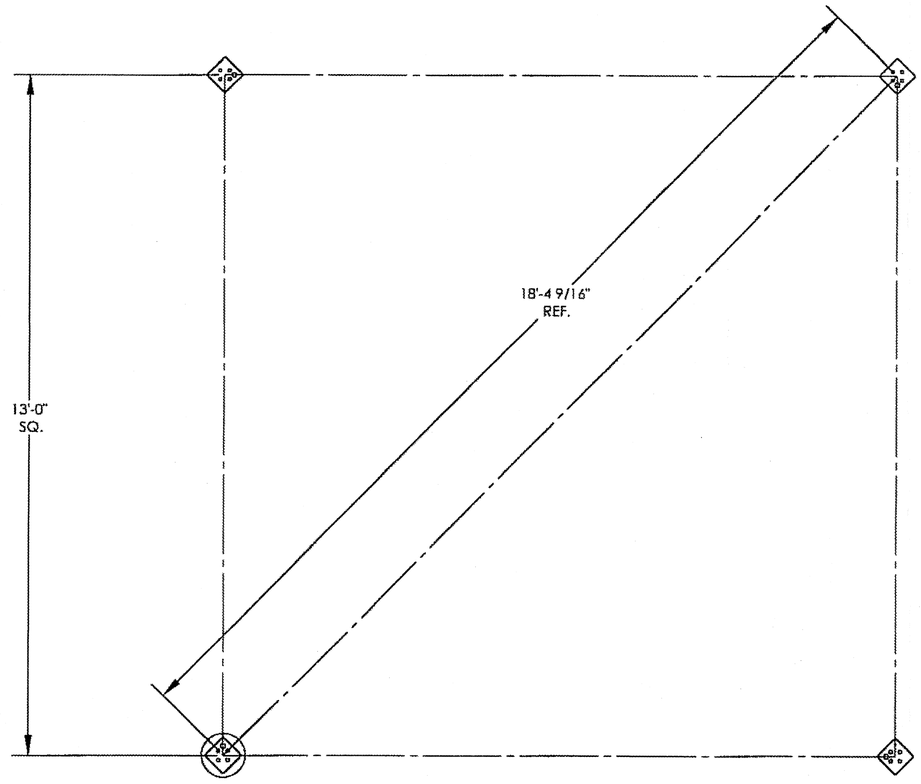
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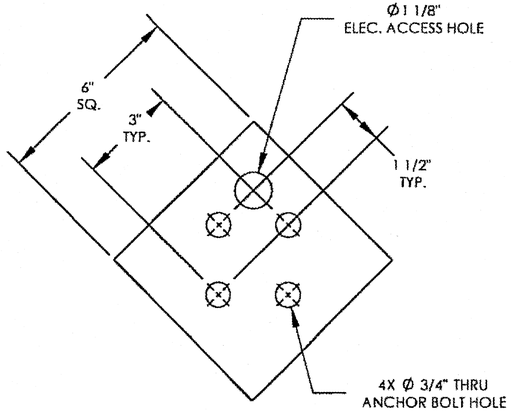


NOTE:
THE EDGE OF CONCRETE HAS BEEN TAKEN AS OF 12 INCHES FROM CENTER OF COLUMN FOR ALL DESIGN VALUES FOR THE ANCHOR BOLTS.
IF THERE IS LESS CONCRETE COVER THAN THE 12 INCHES. THE POLIGON ENGINEERING DEPARTMENT MUST BE CONSULTED.

NOTE:
1/2"Ø SIMPSON SET OR 1/2"Ø HILTI HY-150 EPOXY ANCHORS ARE ACCEPTABLE SUSTITUTIONS FOR THE 1/2" X 10" ANCHOR BOLTS. EPOXY BOLTS ARE TO BE FULLY THREADED, A36 OR EQUIVALENT, WITH A MINIMUM OF 6-3/8" EMBEDMENT.

ELECTRICAL ACCESS HOLE IS ALWAYS LOCATED IN THE COLUMN BASE PLATE AS SHOWN. BE SURE TO KEEP THE ANCHOR BOLT TEMPLATE PROPERLY ORIENTED WHEN ELECTRICAL ACCESS TO THE COLUMN IS REQUIRED. TEMPLATE MUST BE REMOVED BEFORE INSTALLING COLUMNS.





1 ANCHOR BOLT PATTERN
BASE PLATE SIZE: 6 x 6 x 1/2

DETAIL
SCALE 1 : 4

NOTE
1. CONTRACTOR TO SUBMIT FULLY ENGINEERED (INCLUDING REQUIRED FOOTINGS), STAMPED, BY A NEVADA REGISTERED ENGINEER , SHOP DRAWINGS TO CITY OF LAS VEGAS FOR PERMITTING. OWNER WILL NOT CONSIDER CLAIMS FOR VARIATIONS FROM THE SHOWN DESIGN COMPARED TO THE SHOP DRAWINGS REQUIRED BY CODE, BUILDING OFFICIALS, CONTRACTOR'S DESIGN ENGINEER, OR OTHERS, UNLESS THE CHANGE IS A DESIGN INTENT DEVIATION FROM THE CONTRACT DOCUMENTS REQUIRED IN WRITING BY THE OWNER
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COLUMN/S C1			
Summary: Foundation Design Loads	REACTION TYPE	Force	Unit
	Vertical Dead Load (+)	0.8	kip
	Max. Vertical Uplift Force (-)	-0.5	kip
	Max. Vertical Downward Force (+)	2.4	kip
	Max. Horizontal Shear Force (+/-)	0.2	kip
	Max. Overturning Moment (+/-)	0.0	kip-ft

NOTE:
THE STRUCTURE HAS BEEN DESIGNED AS A OPEN STRUCTURE (NO WALLS) UNLESS NOTED OTHERWISE. IF WALLS ARE TO BE ADDED TO THE STRUCTURE THE POLIGON ENGINEERING DEPARTMENT MUST BE CONSULTED.

NOTE:
MANUFACTURERS DRAWINGS

RECORD AS-BUILT

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PRINT DATE: 8/23/2010
SCALE: 1:30
DRAWN BY: HARYKE
REV LEVEL: A
CREATION DATE: 4/3/2009
JOB NO: 47512
CAD MODEL: SQR-16-MR-B2-47512
PROJECT: LORENZI PARK
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: ANCHOR LAYOUT
SHEET 1

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REVISIONS

CONSULTANT

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2246 FARADAY AVE. | CARLSBAD, CA 92009
jwzunino.com | NV #164 LP #2884 | AZ #2334 | CA #3738 | TX #1138
J W ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
16 X16 SHADE SHELTER

STAMP



OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

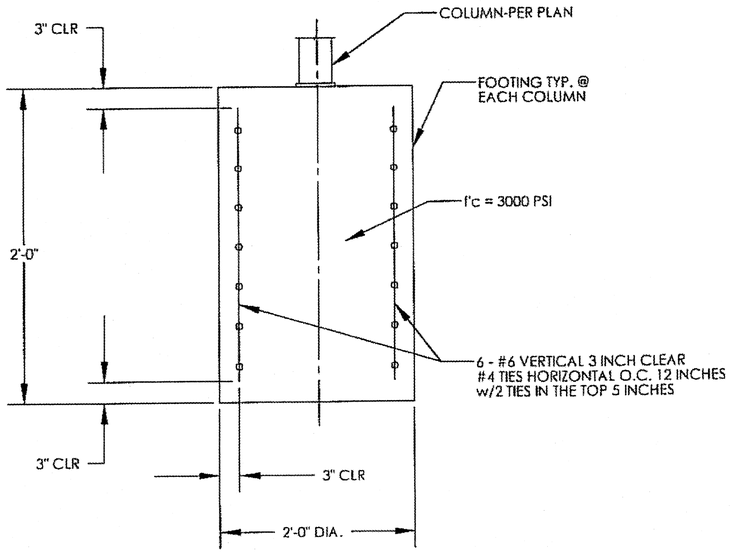
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	B6-DT-Poligon
DATE	6/21/2011
SCALE	AS NOTED
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L10.02

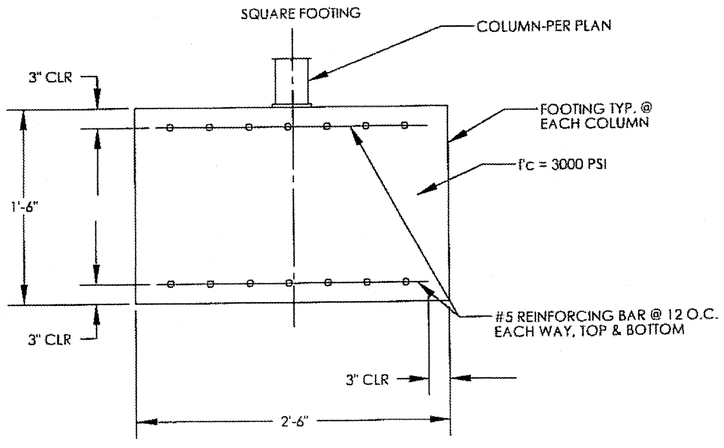
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Lorenzi Park-0283.tif

NOTES:
1. PROVIDE PLYWOOD COLLAR AROUND FOOTING HOLE TO PREVENT DIRT FROM FALLING IN THE HOLE.
2. VIBRATE CONCRETE FULL DEPTH OF FOOTING.



DRILLED PIER FOOTING



FOUNDATION NOTES:
1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE BUILDING CODE, AMERICAN CONCRETE INSTITUTE, AND ALL APPLICABLE STATE & LOCAL ORDINANCES AND REQUIREMENTS.
2. THE CONCRETE DESIGN IS BASED ON A 28-DAY STRENGTH OF 3000 PSI.
3. ANCHOR BOLTS SHALL BE A307 QUALITY AND RECOMMENDED TO BE THE "HEADED" TYPE BOLT IF NOT USING THE ANCHORS SUPPLIED BY THE MANUFACTURER OF THE SHELTER.
4. THE SPREAD FOOTING SHALL BEAR ON COMPETENT UNDISTURBED SOIL OR 95% COMPACTED FILL. IF SIGNS OF ORGANIC MATERIAL, UNCONTROLLED FILL, CLAY OR SILT, HIGH WATER TABLE OR OTHER POSSIBLE DETRIMENTAL CONDITIONS ARE FOUND, INSTALLATION OF THE FOUNDATION MUST BE DISCONTINUED AND A SOILS ENGINEER CONTACTED. THE SOILS ENGINEER MUST THEN EVALUATE THE SOIL PROPERTIES BEFORE THE FOUNDATION CAN BE INSTALLED. A LOCAL FOUNDATION DESIGN ENGINEER MUST THEN REDESIGN THE FOUNDATION BASED ON THE NEW SOILS CONDITION.
5. THE REINFORCING STEEL SHALL BE NEW AND UNUSED AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615, GRADE 60.
6. IF FOOTING DEPTH SHOWN DOES NOT MEET LOCAL FROST REQUIREMENTS, FOOTINGS SHALL BE RE-DESIGNED UNDER THE DIRECTION OF A LOCAL ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCAL FROST LINE DEPTH BELOW GRADE PRIOR TO CONSTRUCTION.

THE FOUNDATION DESIGN CONTAINED HEREIN IS NOT SITE SPECIFIC, BUT BASED ON TABLE 1804.2 OF THE BUILDING CODE, CLASS 5 SOIL MATERIAL. THE BUILDING OFFICIAL IN THE JURISDICTION OF WHICH THIS STRUCTURE IS LOCATED, MAY REQUIRE THAT A SITE SPECIFIC GEOTECHNICAL REPORT BE PROVIDED AND BE INCORPORATED IN THE SUBMITTAL DOCUMENTS.

NOTE
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NOTE:
MANUFACTURERS DRAWINGS

RECORD AS-BUILT

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PORTERCORP #240 N. 136th AVE HOLLAND, MI 49424

PRINT DATE: 8/23/2010
SCALE: 1:1
DRAWN BY: HARYKE
REV LEVEL: A
CREATION DATE: 4/3/2009
JOB NO: 47512

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PROJECT: LORENZI PARK
PROJECT LOCATION: LAS VEGAS, NV
CAD MODEL: SQR-16-MR-B2-47512
DRAWING: FOOTING DETAILS

SHEET 1.1

LAS VEGAS NV
3191 E. JONES BLVD. | LAS VEGAS, NV 89146
T: 702.253.8888 F: 702.253.1616
CARLSBAD CA
2248 FARADAY AVE. | CARLSBAD, CA 92008
jwznv.com | JW ZUNINO | LANDSCAPE ARCHITECTURE
NV # 0161 | AZ # 23334 | CA # 2739 | TX # 11169

REVISIONS

CONSULTANT

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
16'X16' SHADE SHELTER

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER GINGHAM
733
Expires 12/31/12
STATE OF NEVADA

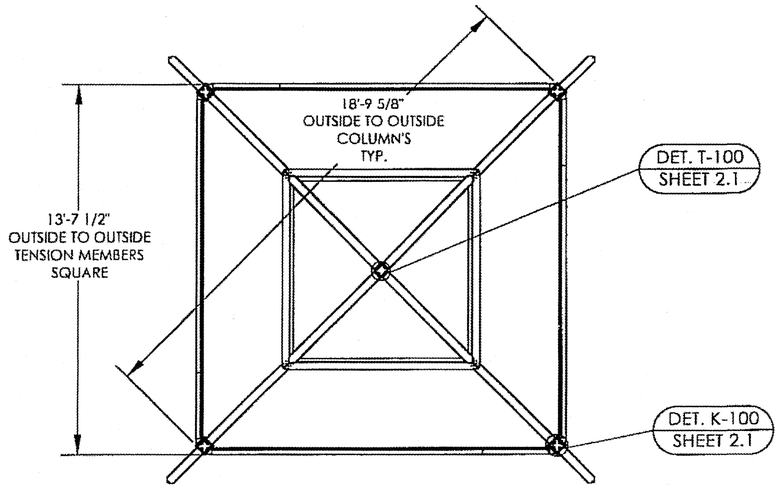
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

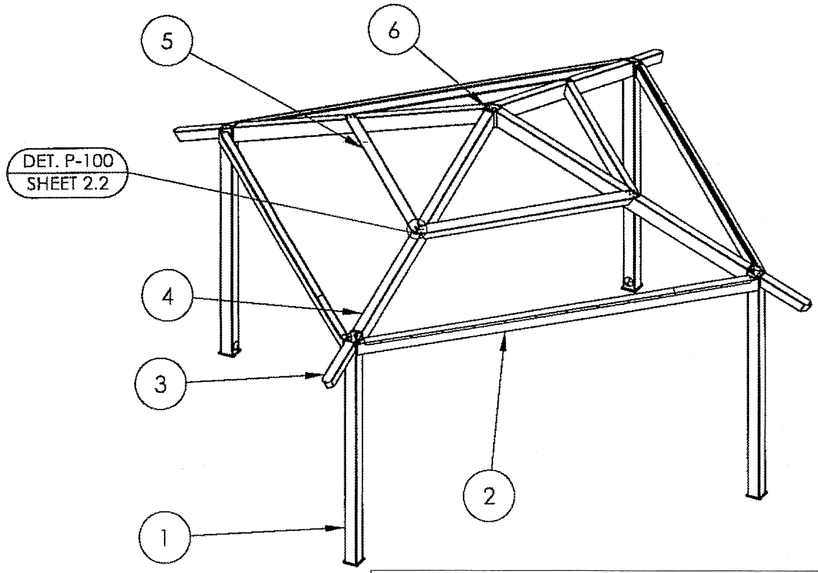
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/21/2011
SCALE	AS NOTED
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L10.03

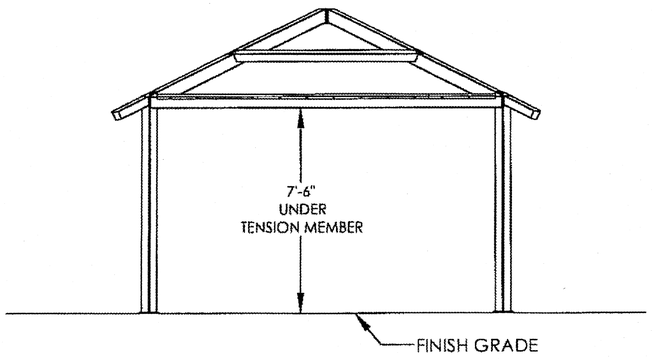
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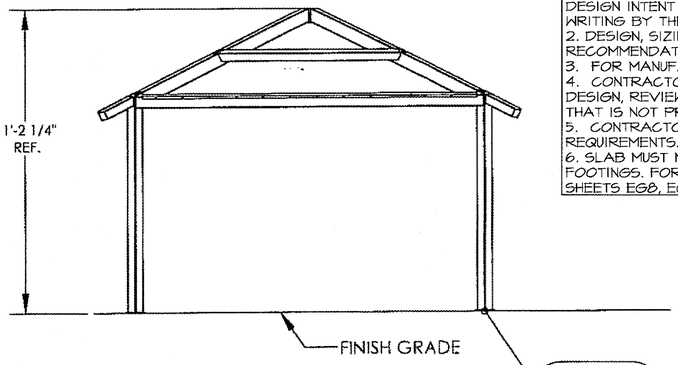
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ITEM	FRAME/QTY.	Part No.	Description	Material
6	1	-	C-TUBE ASM,-	-
5	4	-	LC PURLIN,-	-
4	4	-	TRUSS ASM,-	-
3	4	-	T-TAIL ASM,-	-
2	4	-	TMEM ASM,-	-
1	4	-	COLUMN ASM, HSS5X5X3/16, 96.445"L	HSS5X5X3/16

NOTE:
MANUFACTURERS DRAWINGS

RECORD
AS-BUILT

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800-354-7721
www.poligon.com
by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

CREATION DATE: 4/3/2009
JOB NO: 47512
DRAWN BY: HARYKE
REV LEVEL: A
PRINT DATE: 8/23/2010
SCALE: 1:58

PROJECT: LORENZI PARK
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: STRUCTURAL FRAMING PLAN
CAD MODEL: SQR-16-MR-B2-47512

SHEET
2

REVISIONS

CONSULTANT

L A S V E G A S N V
3191 S JONES BLVD. LAS VEGAS, NV 89146
T 702.253.9390 F 702.253.1618
C A R L S B A D C A
2248 FARADAY AVE. CARLSBAD, CA 92008
jwzunino.com
J W Z U N I N O
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
16 X 16 SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. LANGHAM
733
Expires 6/30/12
STATE OF NEVADA

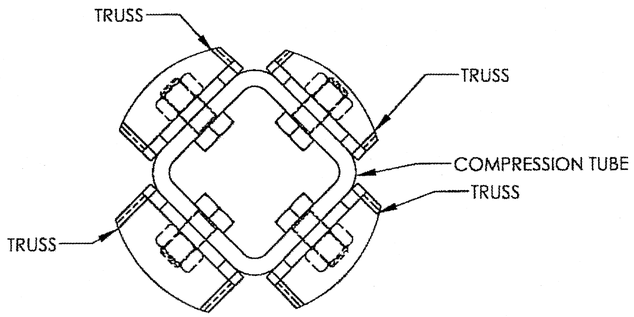
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-9232
TDD: (702) 386-9108

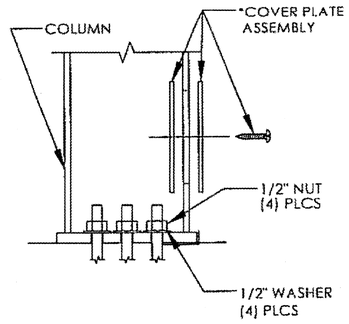
DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/7/2011
SCALE	AS NOTED
JOB NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L10.04

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TRUSS CONNECTION @ COMPRESSION TUBE	T-100



*COVER PLATE ASSEMBLY CONSISTING OF:
(1) PLATE (231-0380)
(1) STRAP (231-0381)
(1) SCREW (030015)

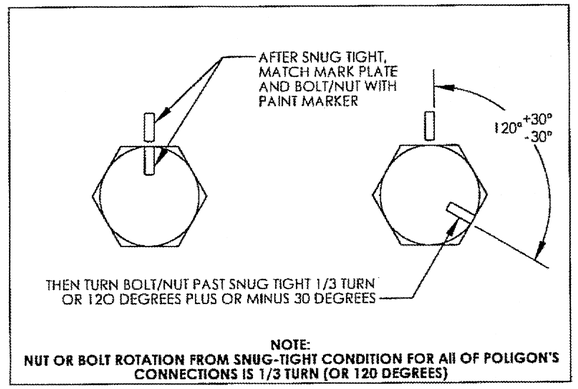
SECTION - ANCHOR BOLT AT COLUMN	A-100

NOTES:
ALL HIGH STRENGTH BOLTS ARE A-325 BOLTS AND TO BE INSTALLED BY THE "SNUG-TIGHT" METHOD AS SPECIFIED IN THE 13TH EDITION OF THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", SECTION 8 D (1). A-325 BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE "SNUG-TIGHT" METHOD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO INSURE PROPER TIGHTNESS. THIS METHOD IS ONLY REQUIRED ON 5/8" DIAMETER AND LARGER BOLTS. ANCHOR BOLTS NEED NOT BE TIGHTENED PAST SNUG TIGHT.

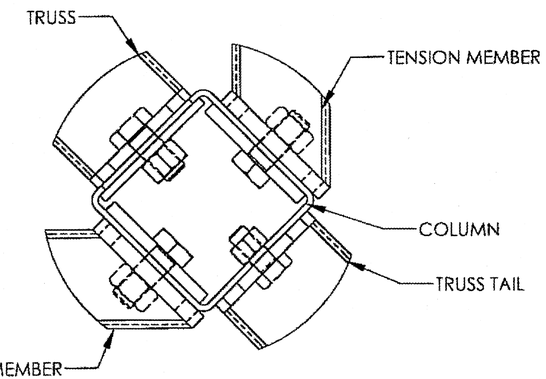
LOCAL JURISDICTIONS MAY REQUIRE AN INSPECTOR TO BE PRESENT TO WITNESS HARDWARE INSTALLATION AND INDEPENDENT TESTING. INSPECTION REQUIREMENTS SHOULD BE VERIFIED PRIOR TO STEEL ERECTION. SEE FIGURE BELOW FOR PROPER HIGH STRENGTH BOLT INSTALLATION.

ERECTION OF THE FRAMING MEMBERS WILL REQUIRE THE MAIN COLUMNS TO BE PLUMB SQUARE AND TIGHTENED TO THE TRUSSES AND TENSION MEMBERS BEFORE INSTALLING THE PURLINS. PURLINS, IF REQUIRED, MUST BE PARALLEL TO THE EAVE BEAMS AND TENSION MEMBERS.

UNLESS THE BUILDING HAS A FACTORY APPLIED POWDERCOAT, E-COAT OR GALVANIZING, THE FRAME WILL BE PRIME PAINTED AND WILL BE REQUIRED TO BE FINISH PAINTED IN THE FIELD WITH ALL PAINT, MATERIALS AND LABOR NOT BY POLIGON (PORTERCORP, INC). REFER TO FINAL SALES ORDER.



NOTE:
NUT OR BOLT ROTATION FROM SNUG-TIGHT CONDITION FOR All OF POLIGON'S CONNECTIONS IS 1/3 TURN (OR 120 DEGREES)



TRUSS, TENSION MEMBER, & TRUSS TAIL CONNECTION @ COLUMN	K-100

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NOTE:
MANUFACTURERS DRAWINGS

TOUCH-UP PAINT MUST BE APPLIED TO ALL EXPOSED BOLTS & NUTS. PERIODIC TOUCH-UP AT THESE BOLTED CONNECTIONS IS A MUST.

RECORD AS-BUILT

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www.poligon.com
by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

CREATION DATE: 4/3/2009
DRAWN BY: HARYKE
PRINT DATE: 8/23/2010
JOB NO: 47512
REV LEVEL: A
SCALE: 1:1

CAD MODEL: SQR-16-MR-B2-47512

PROJECT: LORENZI PARK
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: FRAME CONNECTION DETAILS

SHEET 2.1

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LAS VEGAS, NV
3191 S. JONES BLVD. | LAS VEGAS, NV | 89146
T. 702.252.9380 | F. 702.253.1816
CARLSBAD, CA
2248 FARADAY AVE. | CARLSBAD, CA 92008
jwzunino.com | jwz@jwzunino.com | 619.890.1211
JW ZUNINO
LANDSCAPE ARCHITECTURE

REVISIONS

CONSULTANT

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
16 X 16' SHADE SHELTER

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. LANGHAM
733
Expires 6-30-12
STATE OF NEVADA

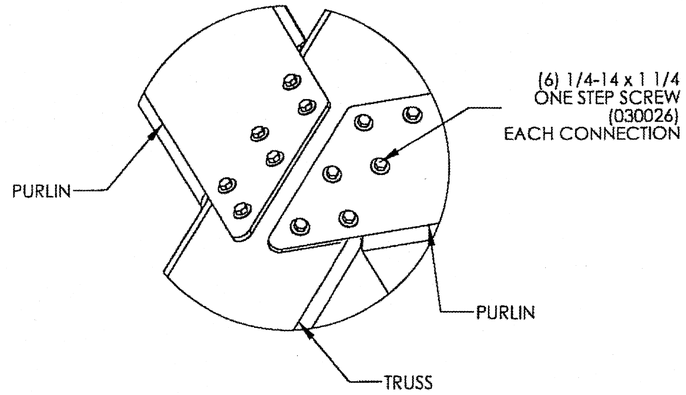
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

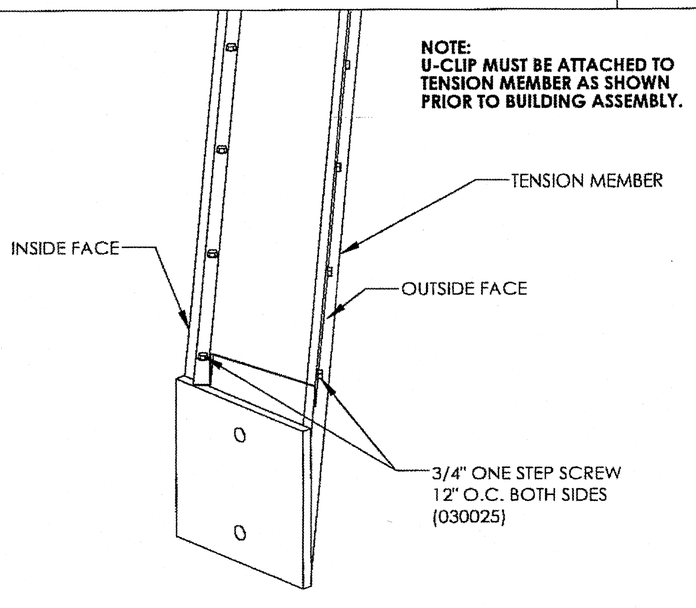
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FILE	B6-DT-Poligon
DATE	6/17/2011
SCALE	AS NOTED
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
MANSER NO	33039
SHT NO	L10.05

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PURLIN CONNECTION @ TRUSS | P-100



U-CLIP CONNECTION AT T-MEMBER/C-MEMBER | UC-100

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NOTE:
MANUFACTURERS DRAWINGS

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PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

PRINT DATE: 8/23/2010
DRAWN BY: HARYKE
REV LEVEL: A
SCALE: 1:1

CREATION DATE: 4/3/2009
JOB NO: 47512

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PROJECT: LORENZI PARK
PROJECT LOCATION: LAS VEGAS, NV
CAD MODEL: SQR-16-MR-B2-47512
DRAWING: FRAME CONNECTION DETAILS

SHEET
2.2

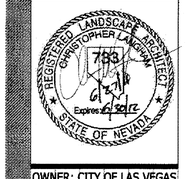
REVISIONS

CONSULTANT

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3191 S. JONES BLVD. | LAS VEGAS, NV 89146
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jwzunino.com | 760.579.0915 | 760.579.0916
NV #1101 | UT #10544 | NM #983 | AZ #23134 | CA #3728 | TX #7196
J-W-Z-U-N-I-N-O
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
16'X16' SHADE SHELTER

STAMP



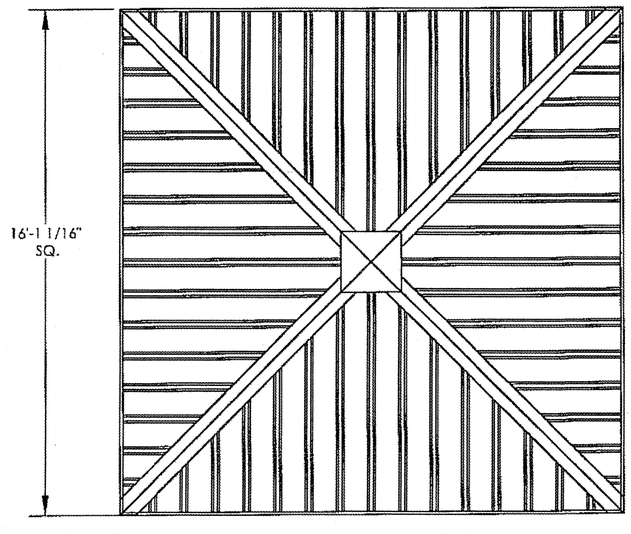
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

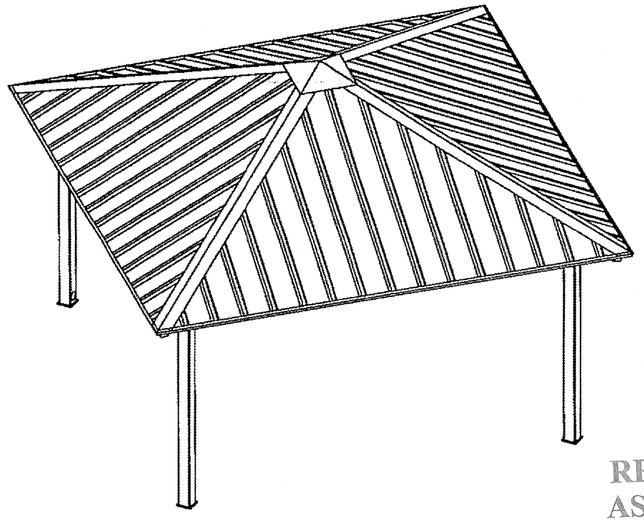
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LAS VEGAS, NEVADA 89101
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FAX: (702) 382-3232
TDD: (702) 386-9108

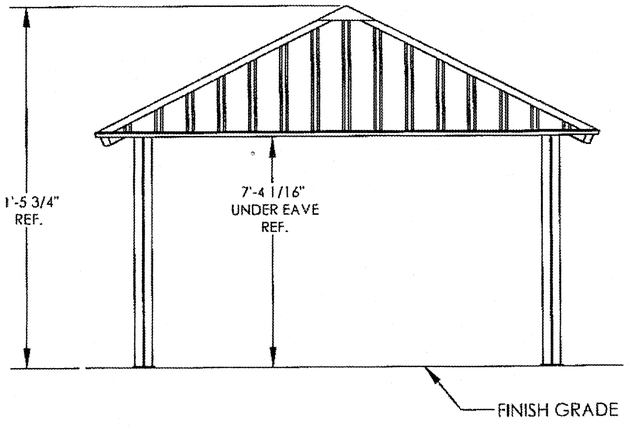
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FILE	136-DT-Poligon
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.1534104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L10.06

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NOTE:
MANUFACTURERS DRAWINGS

RECORD
AS-BUILT

WARNING:
ANY VARIATION IN THE ELEVATIONS AS SHOWN AND APPROVED HEREON MAY RESULT IN THE WITHHOLDING OF FINAL APPROVAL AND/OR A CERTIFICATE OF OCCUPANCY UNTIL SUCH TIME AS THE BUILDING OR STRUCTURE CONFORMS TO THE PLANS AND ELEVATIONS AS APPROVED BY

PLANS APPROVED
ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas, Nevada
DATE: SEP 06 2011
Plans May Require Additional Engineering, Mechanical, Electrical, Plumbing, Improvements or Changes Without Approval. Plan Review Is Not a Permit to Violate Any Ordinance

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Approved
Style Structures - Glendale
9.14.11

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www.poligon.com
by PORTERCORP
PORTERCORP 4240 N. 136th AVE. HOLLAND, MI 49424

PRINT DATE: 8/23/2010
DRAWN BY: MARYKE
REV LEVEL: A
SCALE: 1:50
CREATION DATE: 4/3/2009
JOB NO: 47512

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PROJECT: LORENZI PARK
PROJECT LOCATION: LAS VEGAS, NV
CAD MODEL: SQR-16-MR-B2-47512
DRAWING: ARCHITECTURAL ELEVATIONS
SHEET 3

REVISIONS

CONSULTANT
L A S V E G A S N V
3301 S. HOWARD HUGHES PKWY. LAS VEGAS, NV 89146
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C A R L S B A D C A
2215 FARADAY AVE. | CARLSBAD, CA 92008
jwzunino.com
J W Z U N I N O
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
16'X6' SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. LANGHAM
733
Expires 12/31/12
STATE OF NEVADA

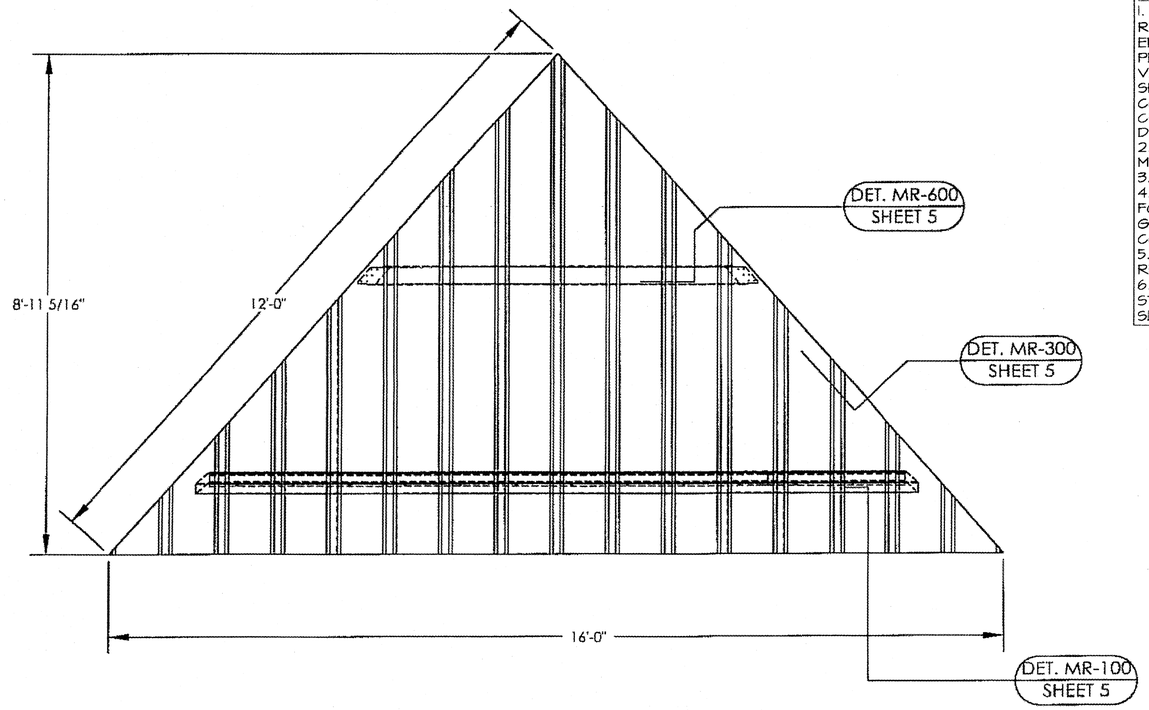
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN CEB
FILE 136-DT-Poligon
DATE 6/27/2011
SCALE AS NOTED
BID NO 101534.04
CLV DWG NO 650.19-47-2
HANSEN NO 33039
SHT NO L10.07

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Lorenzi Park-0288.tif

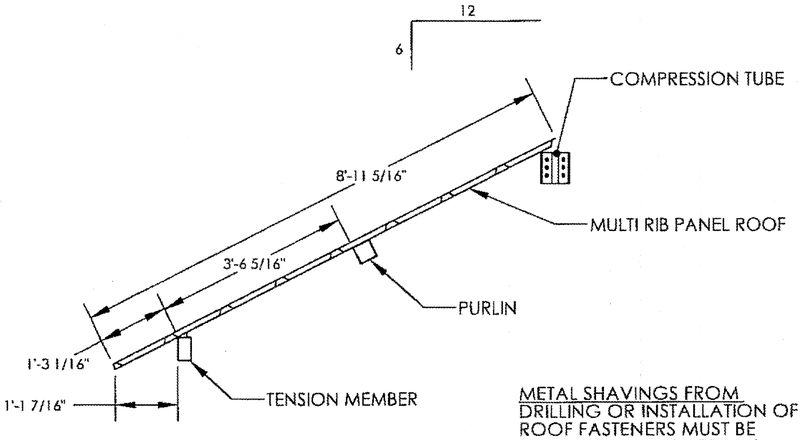


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℄ OF PANEL RIB & FRAME.

TO BEGIN: Mark the center of the compression ring and tension ring. Locate one of the longest panels with center of panel at center of frame, and work out to corners. Complete each pie in this fashion.

NOTE:
MANUFACTURERS DRAWINGS



METAL SHAVINGS FROM DRILLING OR INSTALLATION OF ROOF FASTENERS MUST BE CAREFULLY REMOVED FROM THE ROOF BY BRUSHING OR SWEEPING AT THE END OF EACH DAY DURING INSTALLATION.

SHAVINGS LEFT ON THE ROOF WILL QUICKLY RUST AND STAIN THE ROOF FINISH.

THE DETAILS SHOWN ARE SUGGESTIONS OR GUIDELINES ON HOW TO ERECT THE SYSTEMS. THE INFORMATION SHOWN IS ACCURATE, BUT IT IS NOT INTENDED TO COVER ALL INSTANCES, BUILDING REQUIREMENTS, DESIGNS OR CODES. THE DETAILS MAY REQUIRE CHANGES OR REVISIONS DUE TO FIELD CONDITIONS.

IT SHALL BE THE RESPONSIBILITY OF THE ERECTOR TO ENSURE THAT THE DETAILS MEET PARTICULAR BUILDING REQUIREMENTS AND TO ASSURE ADEQUATE WATER TIGHTNESS.

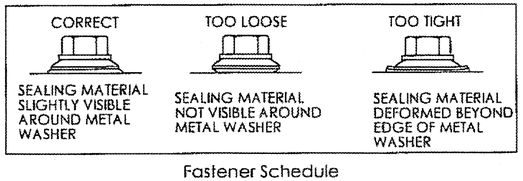
THE ERECTOR SHOULD THOROUGHLY FAMILIARIZE HIMSELF/HERSELF WITH ALL ERECTION INSTRUCTIONS BEFORE STARTING WORK.

THE PANELS SHOULD BE INSTALLED PLUMB, STRAIGHT, AND ACCURATELY TO THE ADJACENT WORK.

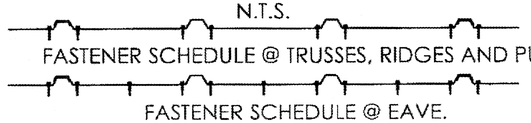
FLASHING AND TRIM SHALL BE INSTALLED TRUE, AND IN PROPER ALIGNMENT, WITH ANY EXPOSED FASTENERS EQUALLY SPACED FOR THE BEST APPEARANCE.

SEALANT SHALL BE FIELD APPLIED ON DRY, CLEAN SURFACES. SOME FIELD CUTTING AND FITTING OF PANELS AND FLASHING IS TO BE EXPECTED BY THE ERECTOR AND MINOR FIELD CORRECTIONS ARE A PART OF NORMAL ERECTION WORK.

WORKMANSHIP SHALL BE OF THE BEST INDUSTRY STANDARDS AND INSTALLATION SHALL BE PERFORMED BY EXPERIENCED METAL CRAFTSMEN.



Fastener Schedule
N.T.S.



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by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

CREATION DATE: 4/3/2009
JOB NO: 47512
DRAWN BY: HARYKE
REV LEVEL: A
PRINT DATE: 8/23/2010
SCALE: 1:48

SQR-16-MR-B2-47512

CAD MODEL:
DRAWING: ROOF LAYOUT
PROJECT LOCATION: LAS VEGAS, NV
PROJECT: LORENZI PARK

SHEET 4

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P. 702.253.1818 F. 702.253.1816

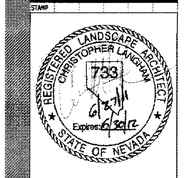
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LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
16'X16' SHADE SHELTER

STAMP



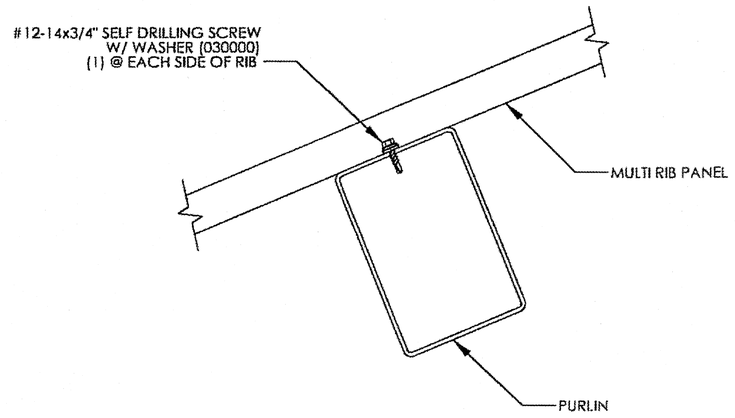
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DRAWN CES
FILE 136-DT-Poligon
DATE 6/21/2011
SCALE AS NOTED
BID NO 10.1534.04
CLV DWG NO 650.19-47-2
HANSEN NO 33039
SHT NO L10.08

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SECTION @ PURLIN | MR-600

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NOTE:
ATTACH ROOF PEAK CAP TO RIBS & RIDGE CAP WITH 3/4" SELF DRILLING SCREW. (030000)

030000
#12-14x3/4" SELF DRILLING SCREW.

030030
#12-14x1 1/4" SELF DRILLING SCREW.
(NOTE: USE ONLY TO FASTEN ROOF AT THE RIDGE TO THE TRUSS OR RIDGE BEAM.)

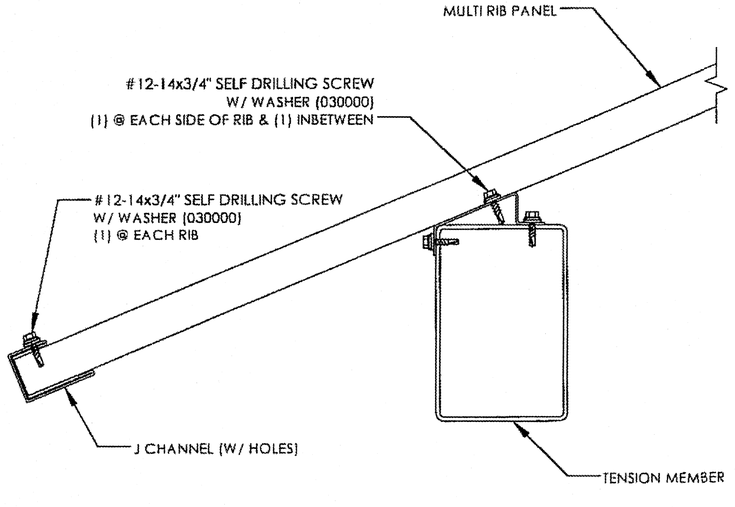
030105
1/8"x" POP RIVET
USE TO ATTACH THE COVER PLATES.

NOTE:
ALL MATERIALS ARE CALLED OUT ON SHEET 4.

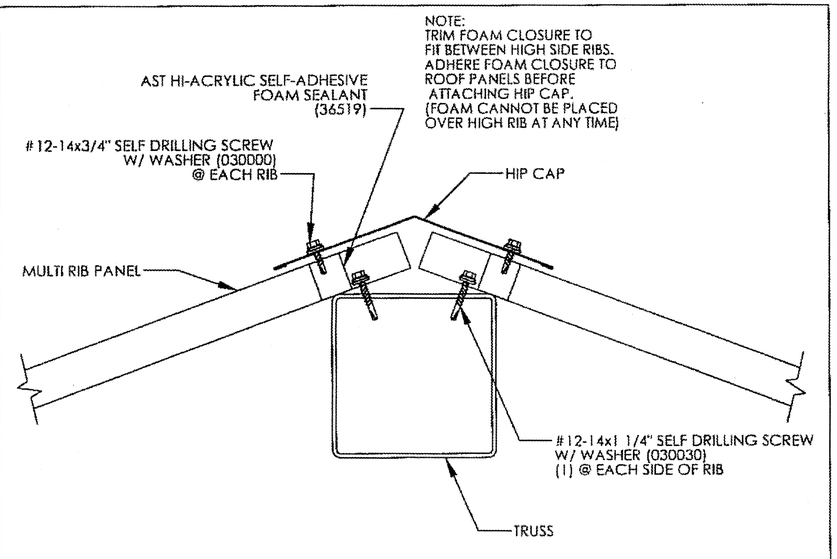
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SECTION @ EAVE | MR-100



SECTION @ TRUSS | MR-300

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DRAWN BY: HARYKE
REV LEVEL: A
CREATION DATE: 4/3/2009
JOB NO: 47512
CAD MODEL: SQR-16-MR-B2-47512
DRAWING: ROOF CONNECTION DETAILS
PROJECT LOCATION: LAS VEGAS, NV
PROJECT: LORENZI PARK

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SHEET 5

REVISIONS

CONSULTANT

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PHASE 2
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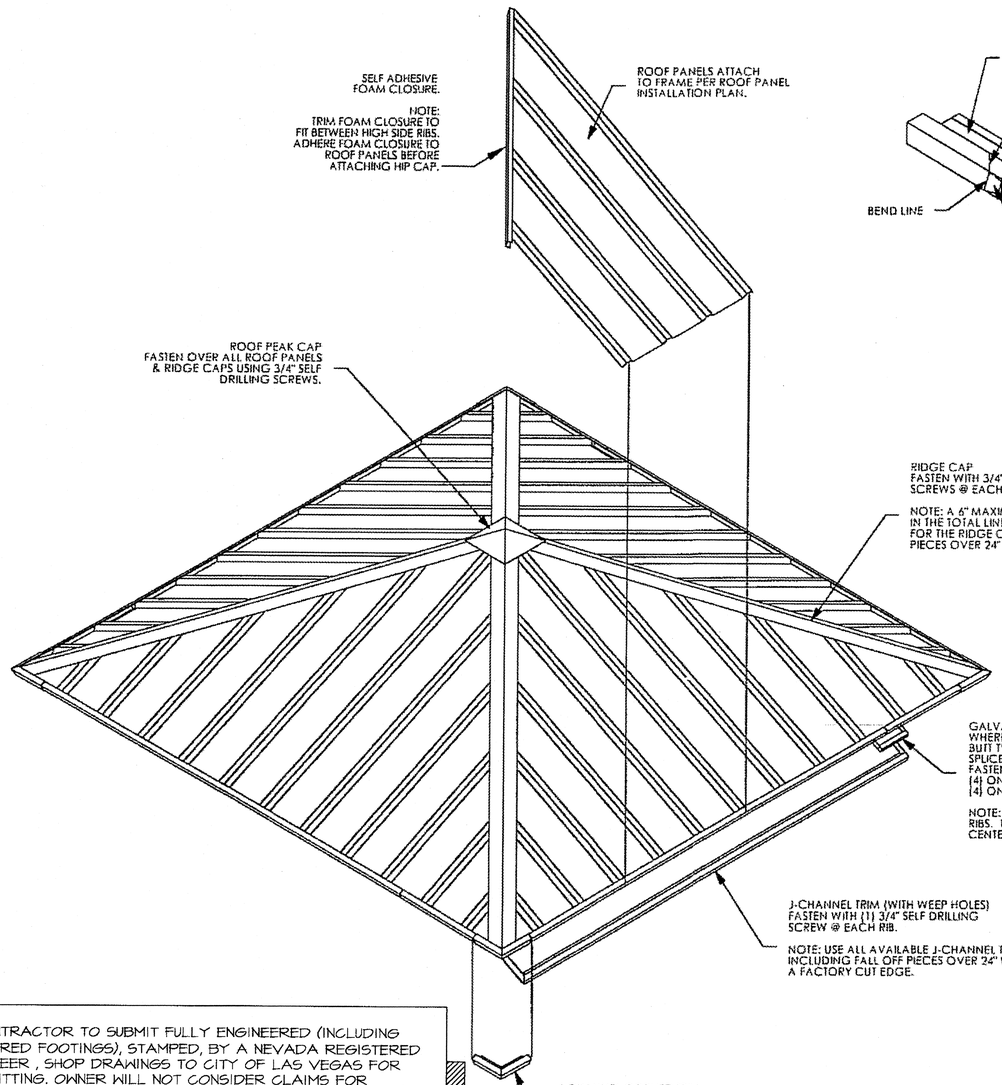
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REGISTERED LANDSCAPE ARCHITECT
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Expires: 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
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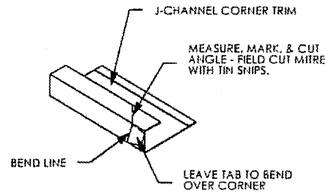
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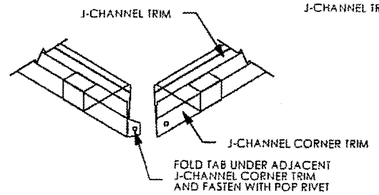
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FILE	36-DT-Poligon
DATE	6/21/2011
SCALE	AS NOTED
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L10.09

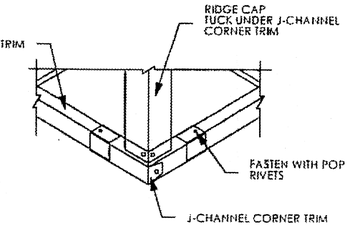
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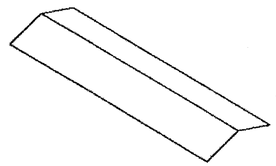
J-CHANNEL CORNER TRIM CONNECTION DETAILS



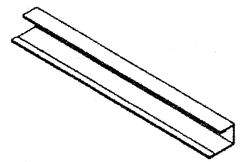




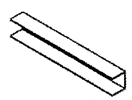
TRIM PIECE DESCRIPTIONS



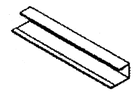
RIDGE CAP
10' LONG
COLOR ON TOP SIDE



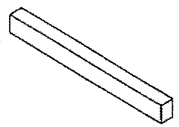
J-CHANNEL TRIM
10' LONG
COLOR ON OUTSIDE
GALVANIZED STEEL INSERT



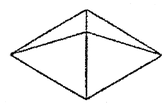
GALVANIZED SPLICE CHANNEL
8' LONG
GALVANIZED STEEL



J-CHANNEL CORNER TRIM
8' LONG
COLOR ON OUTSIDE



SELF ADHESIVE FOAM CLOSURE
13' LONG ROLL



ROOF PEAK CAP
COLOR ON TOP SIDE

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NOTE: REMOVE ALL PROTECTIVE PLASTIC FROM TRIM PARTS BEFORE INSTALLING.

NOTE: FOR SECTION VIEWS OF THE ROOF, REFER TO THE ROOF CONNECTION DETAIL SHEET.

NOTE
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RECORD AS-BUILT

NOTE:
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PROJECT: LORENZI PARK
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: ROOF INSTALLATION
SHEET: SQR

REVISIONS

CONSULTANT

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NV #150 | UT #10234 | AZ #23134 | CA #2238 | TX #1738

LORENZI PARK RENOVATION
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16'X16' SHADE SHELTER

STAMP

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CHRISTOPHER LANGHAM
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Exp. 6/30/12
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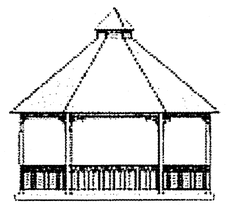
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DRAWN	CEB
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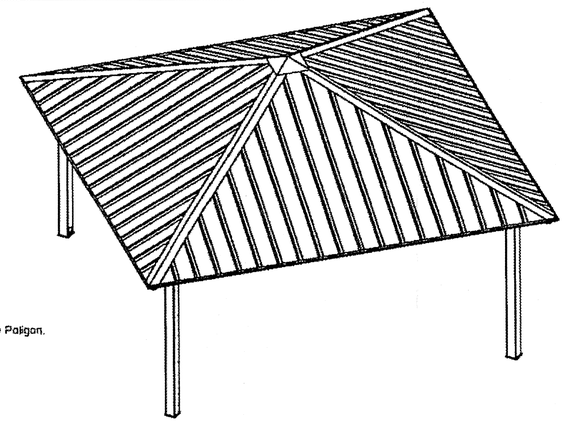
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BUILDING TYPE: SQUARE 20 w/MULTI RIB ROOF

JOB NUMBER: 47526

MATERIALS	ASTM DESIGNATION
TUBE STEEL	A-500 GRADE B
LIGHT GAGE COLD FORMED	A-570 GRADE 55
STRUCTURAL STEEL PLATE	A-36
ROOF PANELS (STEEL)	A-446
ANCHOR BOLTS	A-307

HIGH STRENGTH BOLTING
ALL HIGH STRENGTH BOLTS ARE A325 WITH HEAVY HEX NUTS AND ARE TO BE INSTALLED BY THE " SNUG-TIGHT " METHOD SPECIFIED IN THE THIRTEENTH EDITION OF THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" PER SECTION 8 D (1). A325 BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE " SNUG-TIGHT " METHOD. IT IS THE RESPONSIBILITY OF ERECTOR TO INSURE PROPER TIGHTNESS.

ALL WELDING IS PERFORMED BY AWS CERTIFIED WELDERS AND CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED.

IF THESE DRAWINGS ARE SEALED, THE SEAL APPLIES ONLY TO THE MATERIALS SUPPLIED BY POLIGON AND PORTERCORP AND IS NOT INTENDED AS THE SEAL OF THE ENGINEER OF RECORD FOR THE ENTIRE PROJECT.

PARTS SHOWN MAY BE UPGRADED DUE TO STANDARDIZED FABRICATION REFER TO THE SHIPPING BILL OF MATERIALS FOR POSSIBLE SUBSTITUTIONS

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT THE PRIMARY FRAME INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM FIVE (5) YEARS DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT ELECTRIC WIRING IF REQUIRED IS RUN THROUGH THE STRUCTURAL MEMBERS BEFORE THE BUILDING IS ERECTED.

FABRICATOR APPROVALS
CITY OF LOS ANGELES, CA APPROVED FABRICATOR #1596
CITY OF HOUSTON, TX APPROVED FABRICATOR #470
COUNTY OF SAN BERNARDINO, CA APPROVED FABRICATOR #173
CLARK COUNTY NEVADA APPROVED FABRICATOR #264

2006 International Building Code With Nevada Amendments

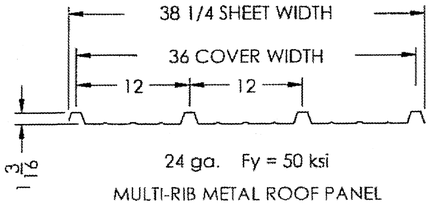
WEIGHT OF ROOFING SYSTEM:
DOWNWARD FORCE: 6 PSF
UPLIFT: 2 PSF

ROOF LIVE LOAD: 20 PSF

SNOW LOAD:
GROUND SNOW LOAD: 10 PSF
SNOW EXPOSURE FACTOR: 1.0
SNOW LOAD IMPORTANCE FACTOR: 1.0
THERMAL FACTOR: 1.2

WIND LOAD:
BASIC WIND SPEED: 90 MPH
GUST EFFECT FACTOR (G): 0.85
WIND IMPORTANCE FACTOR: 1.0
INTERNAL PRESSURE COEFFICIENT: 0
WIND EXPOSURE: C

SEISMIC DESIGN:
ORDINARY STEEL MOMENT FRAMES
SEISMIC IMPORTANCE FACTOR: 1.0
SEISMIC DESIGN CATEGORY: D
SEISMIC SITE CLASS: D
OCCUPANCY CATEGORY: II



MULTI-RIB METAL ROOF PANEL

PROJECT NAME: LORENZI PARK

PROJECT LOCATION: LAS VEGAS, NV

DRAWING LIST:

SHEET NUMBER	DRAWING DESCRIPTION
CS	COVER SHEET
1	ANCHOR LAYOUT
1.1	FOOTING DETAILS
2	STRUCTURAL FRAMING PLAN
2.1	FRAME CONNECTION DETAILS
2.2	FRAME CONNECTION DETAILS(CONTINUED)
3	ARCHITECTURAL ELEVATIONS
4	ROOF LAYOUT
5	ROOF CONNECTION DETAILS
SQR	ROOF INSTALLATION

NOTE
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4. CONTRACTOR IS RESPONSIBLE FOR ALL ASSOCIATED FEES FOR DESIGN, REVIEW, AND PERMITTING. IF ADDITIONAL GEO-TECH IS NEEDED THAT IS NOT PROVIDED IN DOCUMENTS, CONTRACTOR IS TO PROVIDE.
5. CONTRACTOR TO COMPLY WITH ALL ADA ACCESSIBILITY REQUIREMENTS.
6. SLAB MUST NOT BE POURED MONOLITHIC WITH SHADE STRUCTURE FOOTINGS. FOR ELECTRICAL CONDUIT AND SLEEVING INFORMATION SEE SHEETS E68, E69, AND S6.02.

NOTE:
MANUFACTURERS DRAWINGS

RECORD
AS-BUILT

PLANS APPROVED
ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas, Nevada
D.W. SEP 06 2011
Does not include Plumbing, Mechanical, Electrical or On-Site Improvements. Minor Modifications Without Approval Plan is Not a Permit to Violate Any Ordinance

THIS SEAL PERTAINS ONLY TO THE MATERIALS SUPPLIED BY POLIGON. THIS SEAL DOES NOT SERVE AS - OR REPRESENT - THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.

PATENTED AND/OR PATENTS PENDING COPYRIGHT 2006 PORTERCORP HOLLAND, MI 49424

PROJECT:
PROJECT LOCATION: LAS VEGAS, NV
CAD MODEL: SQR-20-MR-B2-47526
DRAWING: COVER SHEET

SHEET
CS

poligon PARK ARCHITECTURE
800-354-7721
www.poligon.com
by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

CREATION DATE: 3/27/2008
JOB NO: 47526
DRAWN BY: hanyke
REV LEVEL: A
PRINT DATE: 8/30/2010
SCALE: 1:75

REVISIONS

CONSULTANT

LAS VEGAS NV
9191 S. JONES BLVD. LAS VEGAS, NV 89148
P. 702.253.9696 F. 702.253.1918
CARLSBAD CA
2248 FARADAY AVE. CARLSBAD, CA 92008
JWZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
20'X20' SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGMAN
733
Expires: 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

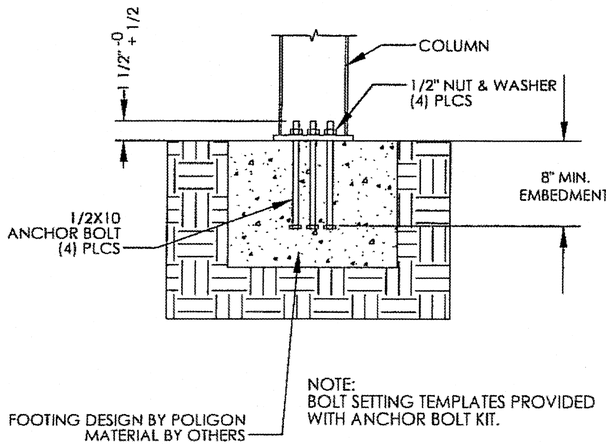
DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.1534.04
CLV DWG NO	650.19-41-2
HANSEN NO	33039
SHT NO	L11.01

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Call before you Dig. CALL 811 ADVANCED UTILITY SERVICE ALERT (NEVADA) — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S EASY!

Lorenzi Park-0292.tif
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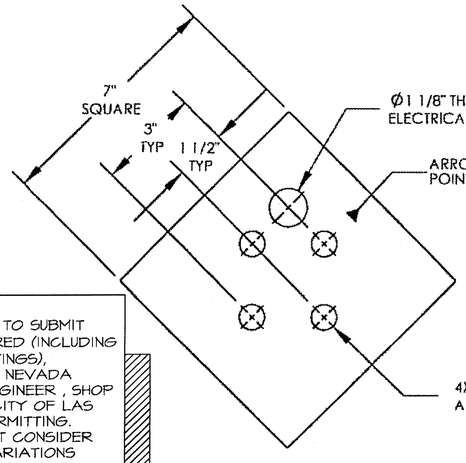


NOTE:
BOLT SETTING TEMPLATES PROVIDED WITH ANCHOR BOLT KIT.

NOTE:
THE EDGE OF CONCRETE HAS BEEN TAKEN AS OF 12 INCHES FROM CENTER OF COLUMN FOR ALL DESIGN VALUES FOR THE ANCHOR BOLTS.
IF THERE IS LESS CONCRETE COVER THAN THE 12 INCHES. THE POLIGON ENGINEERING DEPARTMENT MUST BE CONSULTED.

NOTE:
1/2"Ø SIMPSON SET OR 1/2"Ø HILTI HY-150 EPOXY ANCHORS ARE ACCEPTABLE SUSTITUTIONS FOR THE 1/2" X 10" ANCHOR BOLTS. EPOXY BOLTS ARE TO BE FULLY THREADED, A36 OR EQUIVALENT, WITH A MINIMUM OF 6-3/8" EMBEDMENT.

ELECTRICAL ACCESS HOLE IS ALWAYS LOCATED IN THE COLUMN BASE PLATE AS SHOWN. BE SURE TO KEEP THE ANCHOR BOLT TEMPLATE PROPERLY ORIENTED WHEN ELECTRICAL ACCESS TO THE COLUMN IS REQUIRED. TEMPLATE MUST BE REMOVED BEFORE INSTALLING COLUMNS.



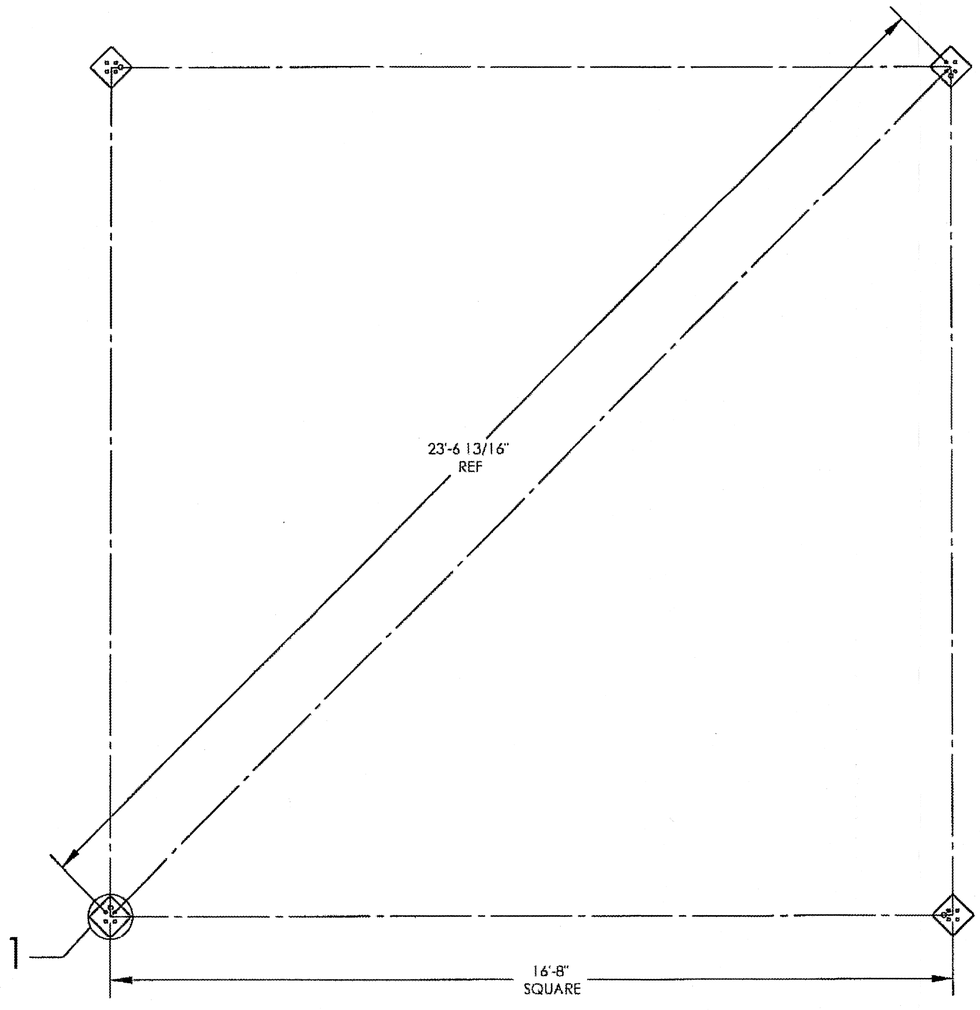
1 ANCHOR BOLT PATTERN
BASE PLATE SIZE: 7 x 7 x 1/2

DETAIL 1
SCALE 1 : 4

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NOTE:
MANUFACTURERS DRAWINGS

NOTE
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COLUMN/S C1			
Summary: Foundation Design Loads	REACTION TYPE	Force	Unit
	Vertical Dead Load (+)	1.1	kip
	Max. Vertical Uplift Force (-)	-0.9	kip
	Max. Vertical Downward Force (+)	3.7	kip
	Max. Horizontal Shear Force (+/-)	0.3	kip
	Max. Overturning Moment (+/-)	0.0	kip-ft

NOTE:
THE STRUCTURE HAS BEEN DESIGNED AS A OPEN STRUCTURE (NO WALLS) UNLESS NOTED OTHERWISE. IF WALLS ARE TO BE ADDED TO THE STRUCTURE THE POLIGON ENGINEERING DEPARTMENT MUST BE CONSULTED.

RECORD
AS-BUILT

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by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

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CREATION DATE: 3/27/2008
JOB NO: 47526
DRAWN BY: davspe
REV LEVEL: A
PRINT DATE: 8/30/2010
SCALE: 1:32
CAD MODEL: SQR-20-MR-B2-47526
PROJECT: LORENZI PARK
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: ANCHOR LAYOUT
SHEET 1

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Call before you Dig. CALL 811 811 NEVADA ONE CALL SERVICE, A NON-PROFIT

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LAS VEGAS, NV
391 S. JONES BLVD. LAS VEGAS, NV 89146
T 702.253.9390 F 702.253.9316
CARLSBAD, CA
2246 FARADAY AVE. CARLSBAD, CA 92008
jwzunino.com | NV #1001 LIT #2834 | NM #282 | AZ #2834 | CA #2738 | TX #1738

REVISIONS

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
20'X20' SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANGHAM 783 Expires 6/30/12 STATE OF NEVADA

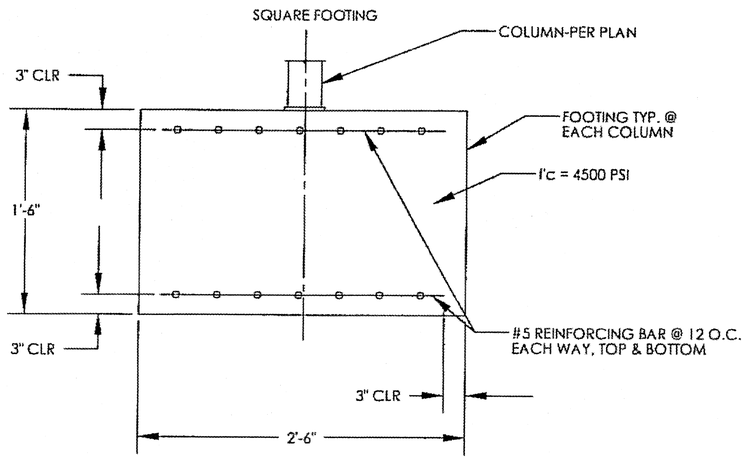
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
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TDD: (702) 386-9108

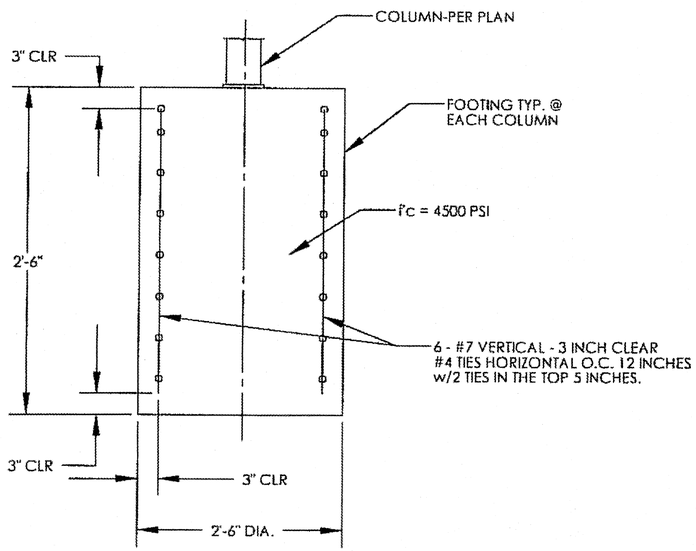
DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L11.02

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ALL UNPUBLISHED COPYRIGHTS RETAINED BY THE CLIENT MAY BE UTILIZED ONLY FOR OCCUPYING THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT IN A C 653.700
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NOTES:
1. PROVIDE PLYWOOD COLLAR AROUND FOOTING HOLE TO PREVENT DIRT FROM FALLING IN THE HOLE.
2. VIBRATE CONCRETE FULL DEPTH OF FOOTING.



DRILLED PIER FOOTING

FOUNDATION NOTES:
1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE BUILDING CODE, AMERICAN CONCRETE INSTITUTE, AND ALL APPLICABLE STATE & LOCAL ORDINANCES AND REQUIREMENTS.
2. THE CONCRETE DESIGN IS BASED ON A 28-DAY STRENGTH OF 4500 PSI.
3. ANCHOR BOLTS SHALL BE A307 QUALITY AND RECOMMENDED TO BE THE "HEADED" TYPE BOLT IF NOT USING THE ANCHORS SUPPLIED BY THE MANUFACTURER OF THE SHELTER.
4. THE SPREAD FOOTING SHALL BEAR ON COMPETENT UNDISTURBED SOIL OR 95% COMPACTED FILL. IF SIGNS OF ORGANIC MATERIAL, UNCONTROLLED FILL, CLAY OR SILT, HIGH WATER TABLE OR OTHER POSSIBLE DETRIMENTAL CONDITIONS ARE FOUND, INSTALLATION OF THE FOUNDATION MUST BE DISCONTINUED AND A SOILS ENGINEER CONTACTED. THE SOILS ENGINEER MUST THEN EVALUATE THE SOIL PROPERTIES BEFORE THE FOUNDATION CAN BE INSTALLED. A LOCAL FOUNDATION DESIGN ENGINEER MUST THEN REDESIGN THE FOUNDATION BASED ON THE NEW SOILS CONDITION.
5. THE REINFORCING STEEL SHALL BE NEW AND UNUSED AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615, GRADE 60.
6. IF FOOTING DEPTH SHOWN DOES NOT MEET LOCAL FROST REQUIREMENTS, FOOTINGS SHALL BE RE-DESIGNED UNDER THE DIRECTION OF A LOCAL ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCAL FROST LINE DEPTH BELOW GRADE PRIOR TO CONSTRUCTION.

THE FOUNDATION DESIGN CONTAINED HEREIN IS NOT SITE SPECIFIC, BUT BASED ON TABLE 1804.2 OF THE BUILDING CODE, CLASS 5 SOIL MATERIAL. THE BUILDING OFFICIAL IN THE JURISDICTION OF WHICH THIS STRUCTURE IS LOCATED, MAY REQUIRE THAT A SITE SPECIFIC GEOTECHNICAL REPORT BE PROVIDED AND BE INCORPORATED IN THE SUBMITTAL DOCUMENTS.

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NOTE:
MANUFACTURERS DRAWINGS

RECORD AS-BUILT

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PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

PROJECT LOCATION: LAS VEGAS, NV
DRAWING: FOOTING DETAILS
CAD MODEL: SQR-20-MR-B2-47526
JOB NO: 47526
CREATION DATE: 3/27/2008
DRAWN BY:
REV LEVEL: A
PRINT DATE: 8/30/2010
SCALE: 1:1
SHEET 1.1

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER, ENVIRONMENT AND SAFETY SERVICES DEPARTMENT
Call before you Dig. CALL 811 ARIZONA BLUE STAKE, INC.

REVISIONS

CONSULTANT
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3191 S. JONES BLVD., LAS VEGAS, NV 89146
T: 702.253.3366 F: 702.253.3015
CARLSBAD, CA
2246 FARADAY AVE., CARLSBAD, CA 92008
poligon.com | CONTACT: JW ZUNINO | LANDSCAPE ARCHITECT
NV #1001137.PA0004 | AM #392 | AZ #33184 | CA #3238 | TX #1788

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
20'X20' SHADE SHELTER

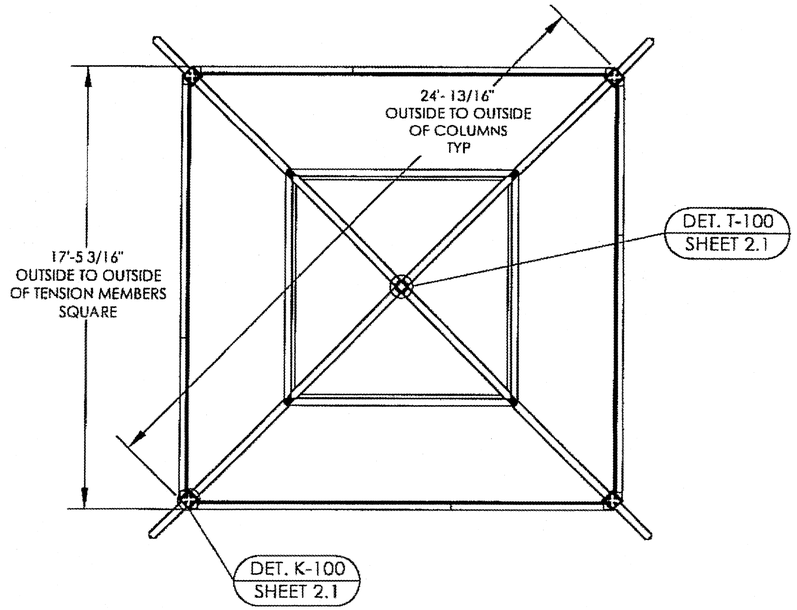
STAMP
REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANGHAM 733 Expires 6/30/12 STATE OF NEVADA

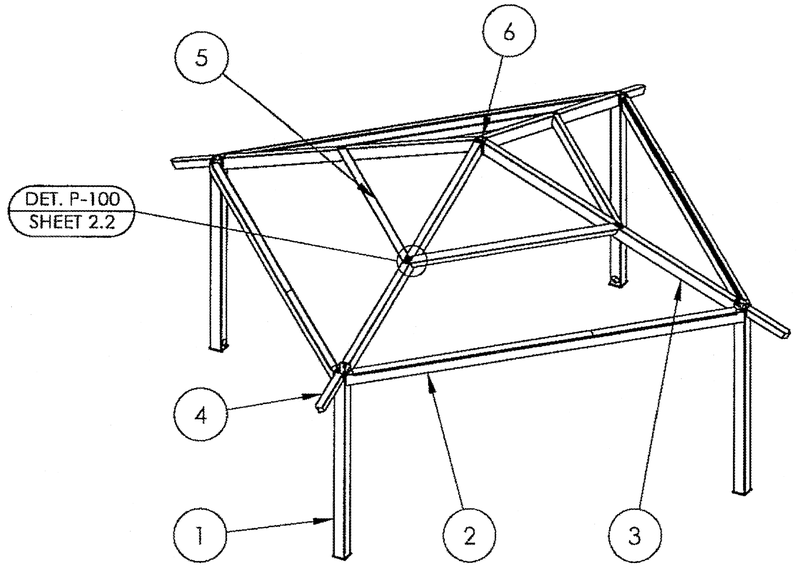
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6533
FAX: (702) 382-3232
TDD: (702) 386-9108

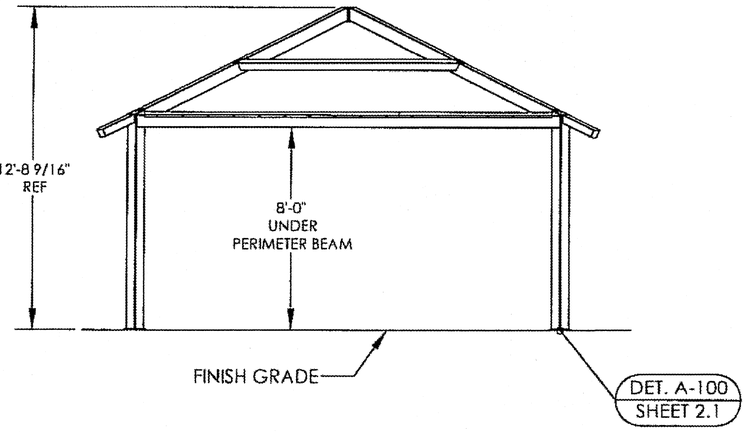
DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L11.03

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Lorenzi Park_0294.tif
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ITEM	FRAME/QTY.	Part No.	Description	Material
6	1	-	C-TUBE ASM, -	-
5	4	-	LC PURLIN TUBE, -	-
4	4	-	T TAIL ASM, -	-
3	4	-	TRUSS ASM, -	-
2	4	-	T MEM ASM, -	-
1	4	-	COLUMN ASM, HSS6X6X3/16, 103.798"L	HSS6X6X3/16

NOTE
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MANUFACTURERS DRAWINGS

RECORD
AS-BUILT

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www.poligon.com
by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

CREATION DATE: 3/27/2008
JOB NO: 47526
PRINT DATE: 8/30/2010
DRAWN BY: davspe
REV LEVEL: A
SCALE: 1:64

CAD MODEL: SQR-20-MR-B2-47526
DRAWING: STRUCTURAL FRAMING PLAN
PROJECT LOCATION: LAS VEGAS, NV
PROJECT:

PATENTED AND/OR PATENTS PENDING COPYRIGHT 2006 PORTERCORP HOLLAND, MI 49424

SHEET
2

Call before you OVERHEAD 1-702-227-2429
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REVISIONS

CONSULTANT
L A S V E G A S N V
3191 E. JONES BLVD. | LAS VEGAS, NV 89146
P. 702.253.0360 F. 702.253.1018
C A R L S B A D C A
2246 FARADAY AVE. | CARLSBAD, CA 92008
JWZunino.com
JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
20X20 SHADE SHELTER

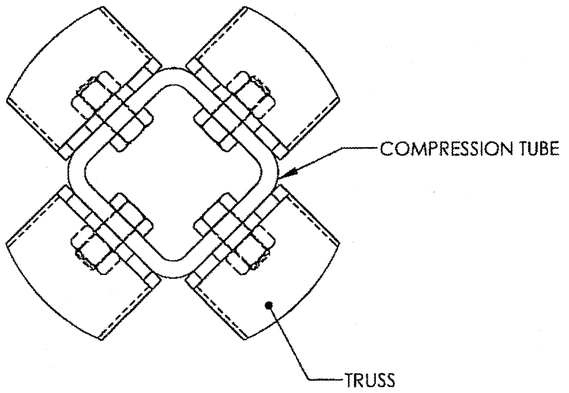
STAMP
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LINGHAM
733
Expires 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

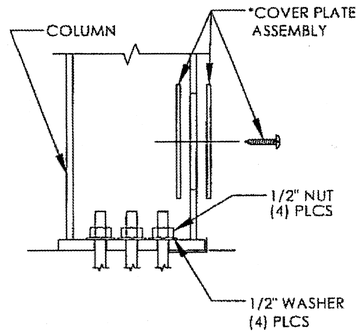
DRAWN	CEB
FILE	136-DT-Poligon
DATE	8/27/2011
SCALE	AS NOTED
BID NO	10.1534L04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L11.04

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TRUSS CONNECTION @ COMPRESSION TUBE	T-100



*COVER PLATE ASSEMBLY
CONSISTING OF:
(1) PLATE (231-0380)
(1) STRAP (231-0381)
(1) SCREW (030015)

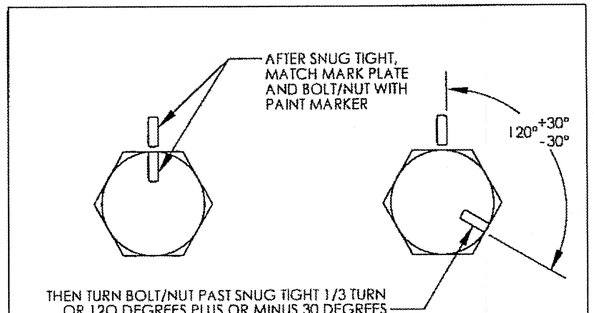
SECTION - ANCHOR BOLT AT COLUMN	A-100

NOTES:
ALL HIGH STRENGTH BOLTS ARE A-325 BOLTS AND TO BE INSTALLED BY THE "SNUG-TIGHT" METHOD AS SPECIFIED IN THE 13TH EDITION OF THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", SECTION 8 D (1). A-325 BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE "SNUG-TIGHT" METHOD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO INSURE PROPER TIGHTNESS. THIS METHOD IS ONLY REQUIRED ON 5/8" DIAMETER AND LARGER BOLTS. ANCHOR BOLTS NEED NOT BE TIGHTENED PAST SNUG TIGHT.

LOCAL JURISDICTIONS MAY REQUIRE AN INSPECTOR TO BE PRESENT TO WITNESS HARDWARE INSTALLATION AND INDEPENDENT TESTING. INSPECTION REQUIREMENTS SHOULD BE VERIFIED PRIOR TO STEEL ERECTION. SEE FIGURE BELOW FOR PROPER HIGH STRENGTH BOLT INSTALLATION.

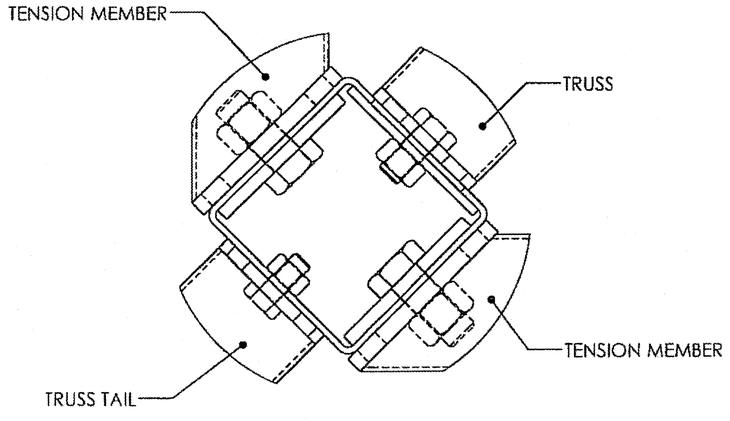
ERECTION OF THE FRAMING MEMBERS WILL REQUIRE THE MAIN COLUMNS TO BE PLUMB SQUARE AND TIGHTENED TO THE TRUSSES AND TENSION MEMBERS BEFORE INSTALLING THE PURLINS. PURLINS, IF REQUIRED, MUST BE PARALLEL TO THE EAVE BEAMS AND TENSION MEMBERS.

UNLESS THE BUILDING HAS A FACTORY APPLIED POWDERCOAT, E-COAT OR GALVANIZING, THE FRAME WILL BE PRIME PAINTED AND WILL BE REQUIRED TO BE FINISH PAINTED IN THE FIELD WITH ALL PAINT, MATERIALS AND LABOR NOT BY POLIGON (PORTERCORP). REFER TO FINAL SALES ORDER.



NOTE:
NUT OR BOLT ROTATION FROM SNUG-TIGHT CONDITION FOR All OF POLIGON'S CONNECTIONS IS 1/3 TURN (OR 120 DEGREES)

TOUCH-UP PAINT MUST BE APPLIED TO ALL EXPOSED BOLTS & NUTS. PERIODIC TOUCH-UP AT THESE BOLTED CONNECTIONS IS A MUST.



TRUSS, TENSION MEMBER, & TRUSS TAIL CONNECTION @ COLUMN	K-100

NOTE
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5. CONTRACTOR TO COMPLY WITH ALL ADA ACCESSIBILITY REQUIREMENTS.
6. SLAB MUST NOT BE POURED MONOLITHIC WITH SHADE STRUCTURE FOOTINGS. FOR ELECTRICAL CONDUIT AND SLEEVING INFORMATION SEE SHEETS E68, E69, AND S6.02.

NOTE:
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CREATION DATE: 3/27/2008
DRAWN BY: davspe
PRINT DATE: 8/30/2010
JOB NO: 47526
REV LEVEL: A
SCALE: 1:4

PROJECT: 2-47526
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: FRAME CONNECTION DETAILS
C.A.D. MODEL: SQR-20-MR-B2-47526

PATENTED AND/OR PATENTS PENDING COPYRIGHT 2006 PORTERCORP HOLLAND, MI 49424

SHEET 2.1

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Call before you Dig. CALL 811 (811 NEVADA ONE CALL SERVICE AS PART 556A)

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REVISIONS

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T. 702.253.9288 F. 702.253.9255
CARLSBAD CA
2248 FARADAY AVE. | CARLSBAD, CA 92008
JWZunino.com | JWZ #1081 | NV #1081 | AZ #1216 | CA #1216 | TX #1216
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LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
20'X20' SHADE SHELTER

STAMP

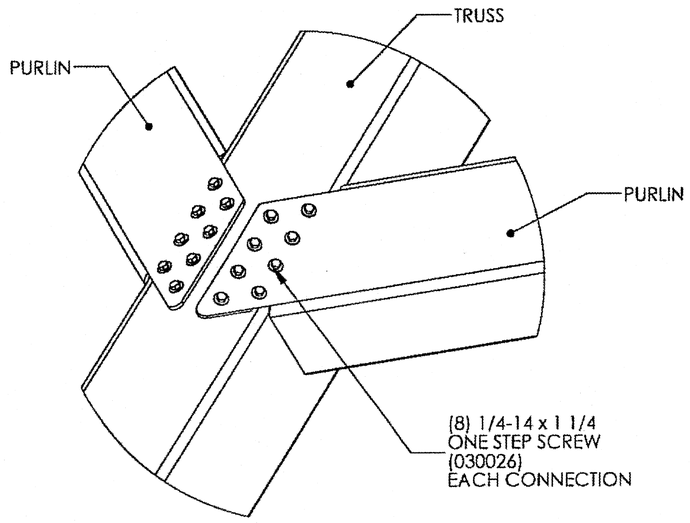
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
733
Expires 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

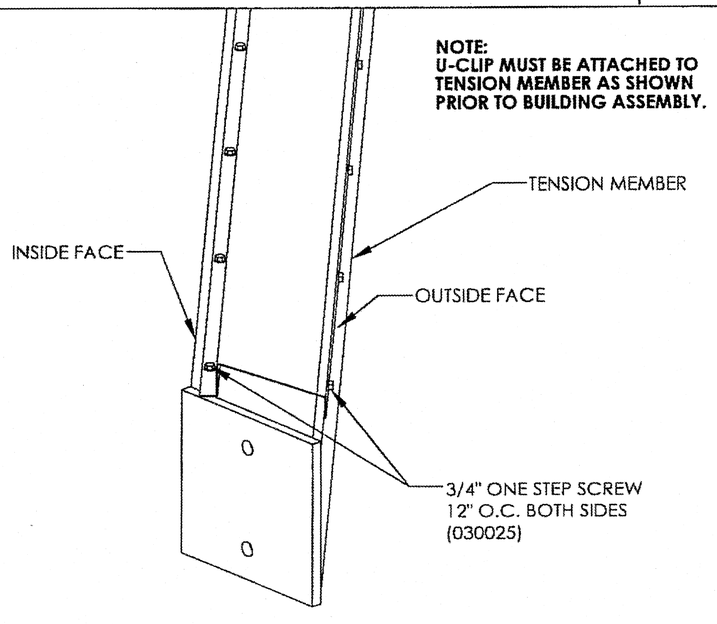
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L11.05

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PURLIN CONNECTION @ TRUSS | P-100



U-CLIP CONNECTION AT T-MEMBER/C-MEMBER | UC-100

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NOTE:
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PRINT DATE: 8/30/2010
DRAWN BY: davspe
REV LEVEL: A
SCALE: 1:4
CREATION DATE: 3/27/2008
JOB NO: 47526
C.A.D MODEL: SQR-20-MR-B2-47526
DRAWING: FRAME CONNECTION DETAILS
PROJECT LOCATION: LAS VEGAS, NV
PROJECT:
PATENTED AND/OR PATENTS PENDING COPYRIGHT 2005 PORTERCORP HOLLAND, MI 49424
SHEET 2.2

LAS VEGAS NV
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CARLSBAD CA
2248 FARADAY AVE. | CARLSBAD, CA 92008
jwzunino.com | CARLSBAD | LAS VEGAS | GRESHAM
NV #1616 | UT #5866 | AZ #33134 | CA #3708 | TX #11126
J W ZUNINO LANDSCAPE ARCHITECTURE

REVISIONS

CONSULTANT

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
20'X20' SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. ANDREWS
733
Expires 6/30/12
STATE OF NEVADA

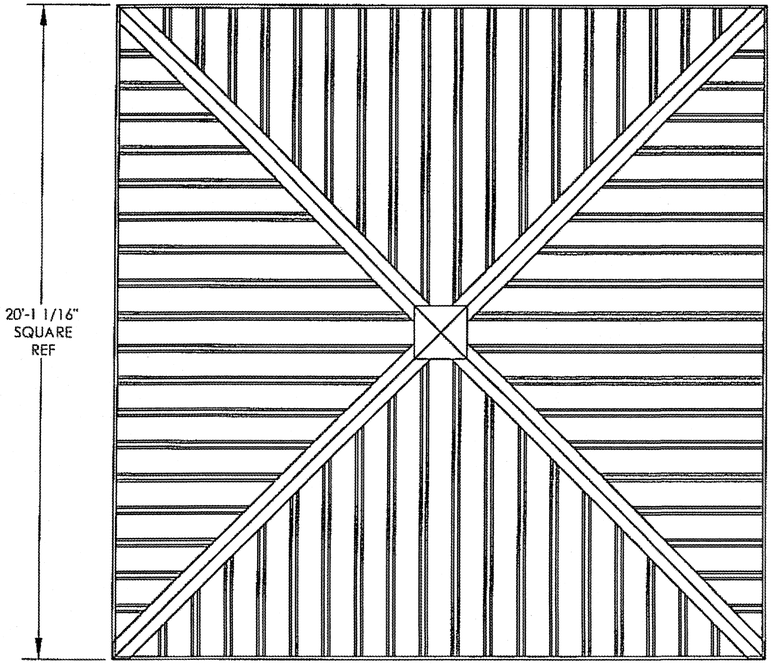
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-5232
TDD: (702) 386-9108

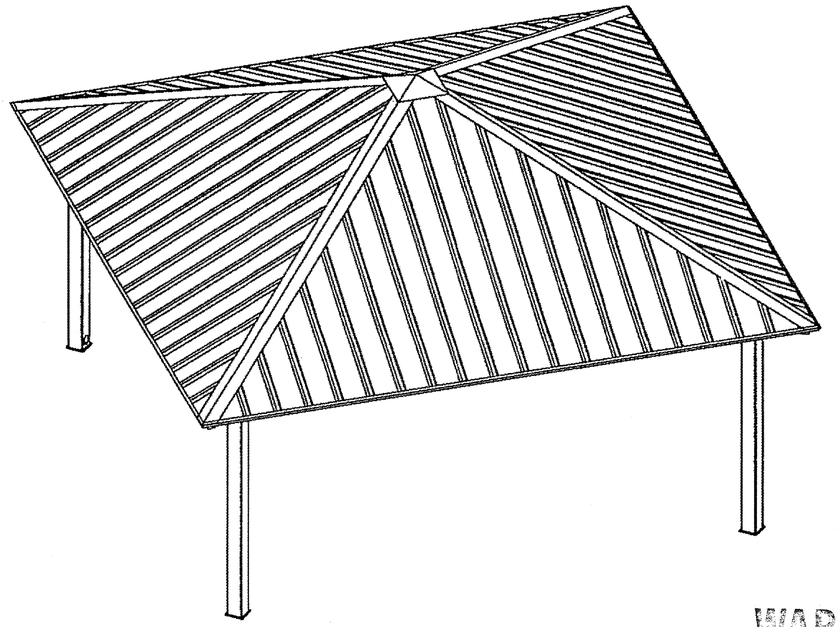
DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/21/2011
SCALE	AS NOTED
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L11.06

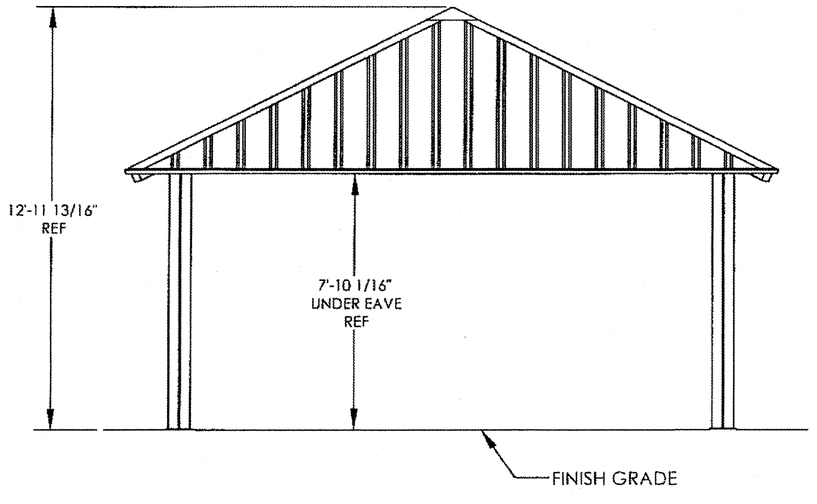
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WARNING:

ANY VARIATION IN THE ELEVATIONS AS SHOWN AND APPROVED HEREON MAY RESULT IN THE WITHHOLDING OF FINAL APPROVAL AND/OR A CERTIFICATE OF OCCUPANCY UNTIL SUCH TIME AS THE BUILDING OR STRUCTURE CONFORMS TO THE PLANS AND ELEVATIONS AS APPROVED BY

NOTE
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NOTE:
MANUFACTURERS DRAWINGS

RECORD
AS-BUILT

PLANS APPROVED
ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas, Nevada

DJW SEP 06 2011

Does Not Include Plumbing, Mechanical, Electrical, Off-Site Improvements, Zoning Change Without Approval. Plan is Not a Permit to Violate Any Ordinance

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by PORTERCORP
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CREATION DATE: 3/27/2008
JOB NO: 47526
DRAWN BY: davspe
REV LEVEL: A
PRINT DATE: 8/30/2010
SCALE: 1:50

PROJECT: SQR-20-MR-B2-47526
PROJECT LOCATION: LAS VEGAS, NV
CAD MODEL: SQR-20-MR-B2-47526
DRAWING: ARCHITECTURAL ELEVATIONS

SHEET
3

REVISIONS

CONSULTANT

J W Z U N I N O
LANDSCAPE ARCHITECTURE
LAS VEGAS NV
3191 E. JONES BLVD. LAS VEGAS, NV 89146
T.702.263.1388 F.702.253.1015
CARLSBAD CA
2246 FARADAY AVE. CARLSBAD, CA 92008
jwzunino.com | LAS VEGAS | CARLSBAD | GOODYEAR, AZ
NV #1051 CUT #92681 | NM #282 | AZ #32184 | CA #2726 | TX #3738

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
20X20 SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. LANGHAM
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Expires 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

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DRAWN	CEB
FILE	B6-DT-Poligon
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L11.07

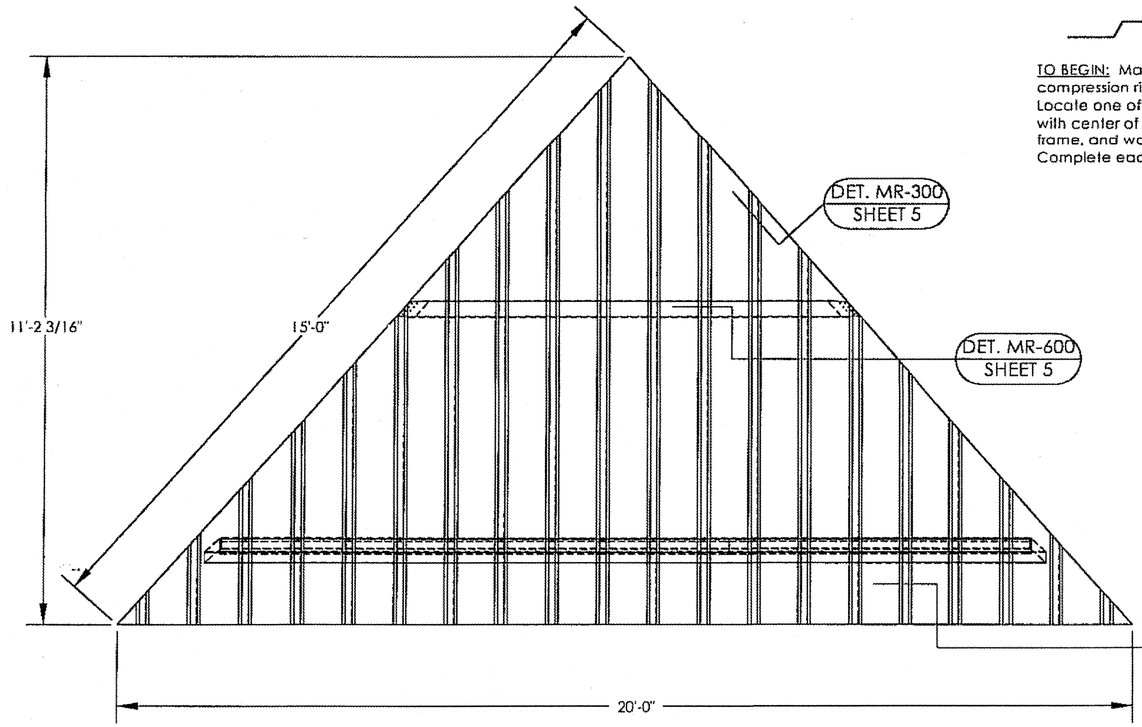
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Simle Structure Elevation 9.14.11

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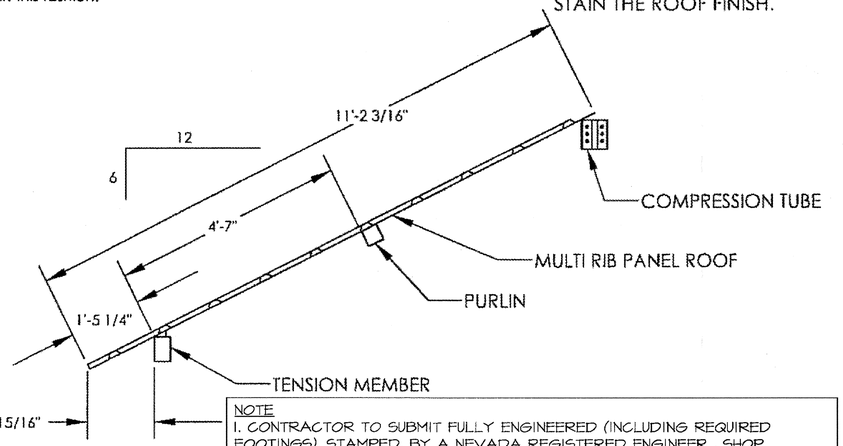
Call before you Dig. CALL 811 811 NEVADA UNDERGROUND SERVICE ALERT (USA)

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℄ of panel flat & frame.

TO BEGIN: Mark the center of the compression ring and tension ring. Locate one of the longest panels with center of panel at center of frame, and work out to corners. Complete each pie in this fashion.



METAL SHAVINGS FROM DRILLING OR INSTALLATION OF ROOF FASTENERS MUST BE CAREFULLY REMOVED FROM THE ROOF BY BRUSHING OR SWEEPING AT THE END OF EACH DAY DURING INSTALLATION.

SHAVINGS LEFT ON THE ROOF WILL QUICKLY RUST AND STAIN THE ROOF FINISH.

NOTE
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NOTE:
MANUFACTURERS DRAWINGS

THE DETAILS SHOWN ARE SUGGESTIONS OR GUIDELINES ON HOW TO ERECT THE SYSTEMS. THE INFORMATION SHOWN IS ACCURATE, BUT IT IS NOT INTENDED TO COVER ALL INSTANCES, BUILDING REQUIREMENTS, DESIGNS OR CODES. THE DETAILS MAY REQUIRE CHANGES OR REVISIONS DUE TO FIELD CONDITIONS.

IT SHALL BE THE RESPONSIBILITY OF THE ERECTOR TO ENSURE THAT THE DETAILS MEET PARTICULAR BUILDING REQUIREMENTS AND TO ASSURE ADEQUATE WATER TIGHTNESS.

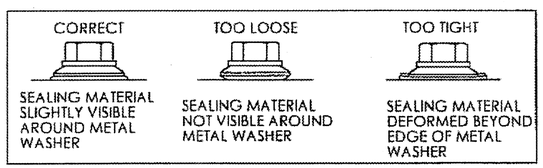
THE ERECTOR SHOULD THOROUGHLY FAMILIARIZE HIMSELF/HERSELF WITH ALL ERECTION INSTRUCTIONS BEFORE STARTING WORK.

THE PANELS SHOULD BE INSTALLED PLUMB, STRAIGHT, AND ACCURATELY TO THE ADJACENT WORK.

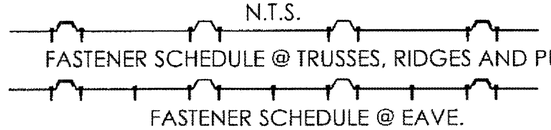
FLASHING AND TRIM SHALL BE INSTALLED TRUE, AND IN PROPER ALIGNMENT, WITH ANY EXPOSED FASTENERS EQUALLY SPACED FOR THE BEST APPEARANCE.

SEALANT SHALL BE FIELD APPLIED ON DRY, CLEAN SURFACES. SOME FIELD CUTTING AND FITTING OF PANELS AND FLASHING IS TO BE EXPECTED BY THE ERECTOR AND MINOR FIELD CORRECTIONS ARE A PART OF NORMAL ERECTION WORK.

WORKMANSHIP SHALL BE OF THE BEST INDUSTRY STANDARDS AND INSTALLATION SHALL BE PERFORMED BY EXPERIENCED METAL CRAFTSMEN.



Fastener Schedule
N.T.S.



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by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

PROJECT LOCATION: LAS VEGAS, NV
CAD MODEL: SQR-20-MR-B2-47526
DRAWING: ROOF LAYOUT
SHEET 4

CREATION DATE: 3/27/2008
DRAWN BY: davspe
PRINT DATE: 8/30/2010
JOB NO: 47526
REV LEVEL: A
SCALE: 1:32

CONSULTANT
LAS VEGAS, NV
9191 S. JONES BLVD., LAS VEGAS, NV 89148
P. 702.253.9380 F. 702.253.9315
CARLSBAD, CA
2248 FARADAY AVE., CARLSBAD, CA 92008
JWZUNINO LANDSCAPE ARCHITECTURE

REVISIONS

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
20'X20' SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANGHAM 733 Expires: 6/30/12 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6539
FAX: (702) 382-3232
TDD: (702) 386-9108

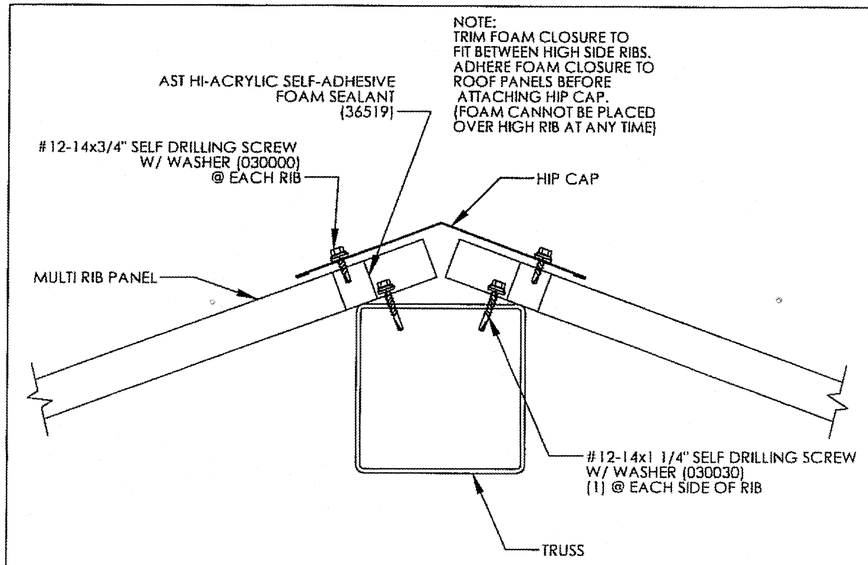
DRAWN	CEB
FILE	B6-DT-Poligon
DATE	6/7/2011
SCALE	AS NOTED
BID NO	10.153104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L11.08

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Call before you OVERHEAD 1-702-227-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT SOAL

PRINTED ON RECYCLED PAPER



SECTION @ TRUSS | MR-300

NOTE
1. CONTRACTOR TO SUBMIT FULLY ENGINEERED (INCLUDING REQUIRED FOOTINGS), STAMPED, BY A NEVADA REGISTERED ENGINEER , SHOP DRAWINGS TO CITY OF LAS VEGAS FOR PERMITTING. OWNER WILL NOT CONSIDER CLAIMS FOR VARIATIONS FROM THE SHOWN DESIGN COMPARED TO THE SHOP DRAWINGS REQUIRED BY CODE, BUILDING OFFICIALS, CONTRACTOR'S DESIGN ENGINEER, OR OTHERS, UNLESS THE CHANGE IS A DESIGN INTENT DEVIATION FROM THE CONTRACT DOCUMENTS REQUIRED IN WRITING BY THE OWNER
2. DESIGN, SIZING, MATERIALS, ETC. ARE TO BE PER MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.
3. FOR MANUFACTURER SEE SHEET L17.01-L17.02
4. CONTRACTOR IS RESPONSIBLE FOR ALL ASSOCIATED FEES FOR DESIGN, REVIEW, AND PERMITTING. IF ADDITIONAL GEO-TECH IS NEEDED THAT IS NOT PROVIDED IN DOCUMENTS, CONTRACTOR IS TO PROVIDE.
5. CONTRACTOR TO COMPLY WITH ALL ADA ACCESSIBILITY REQUIREMENTS.
6. SLAB MUST NOT BE POURED MONOLITHIC WITH SHADE STRUCTURE FOOTINGS. FOR ELECTRICAL CONDUIT AND SLEEVING INFORMATION SEE SHEETS E68, E69, AND S6.02.

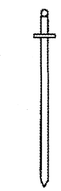
NOTE:
ATTACH ROOF PEAK CAP TO RIBS & RIDGE CAP WITH 3/4" SELF DRILLING SCREW. (030000)



030000
#12-14x3/4" SELF DRILLING SCREW.

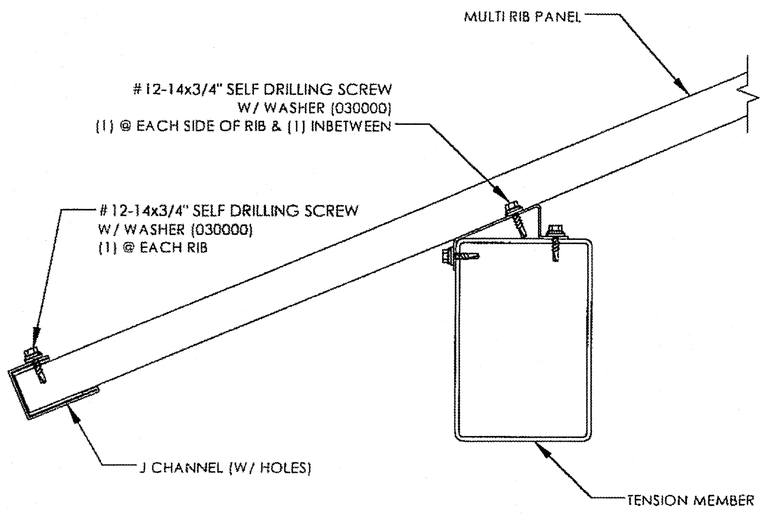


030030
#12-14x1 1/4" SELF DRILLING SCREW.
(NOTE: USE ONLY TO FASTEN ROOF AT THE RIDGE TO THE TRUSS OR RIDGE BEAM.)

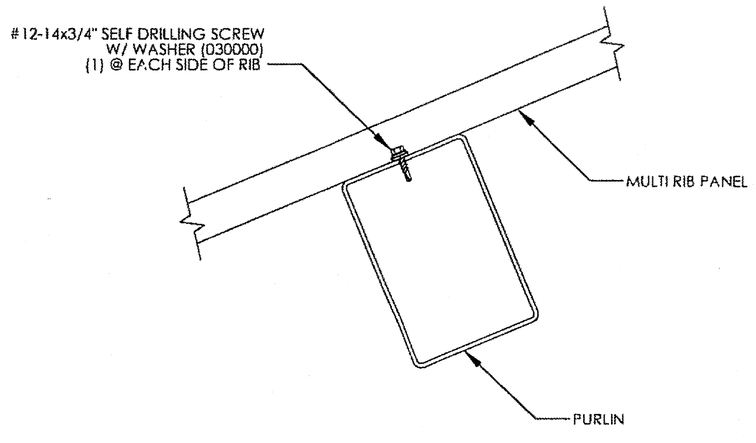


030105
1/8"X" POP RIVET
USE TO ATTACH THE COVER PLATES.

NOTE:
ALL MATERIALS ARE CALLED OUT ON SHEET 4.



SECTION @ EAVE | MR-100



SECTION @ PURLIN | MR-600

NOTE:
MANUFACTURERS DRAWINGS

RECORD AS-BUILT

THIS SEAL PERTAINS ONLY TO THE MATERIALS SUPPLIED BY POLIGON. THIS SEAL DOES NOT SERVE AS - OR REPRESENT - THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.

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800-354-7721
www.poligon.com
by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

PATENTED AND/OR PATENTS PENDING COPYRIGHT 2026 PORTERCORP HOLLAND, MI 49424

PROJECT: LORENZI PARK
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: ROOF CONNECTION DETAILS
CAD MODEL: SQR-20-MR-B2-47526
JOB NO: 47526
CREATION DATE: 3/27/2008
DRAWN BY:
REV LEVEL: A
SCALE: 1:1
PRINT DATE: 8/30/2010

SHEET 5

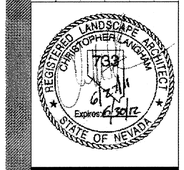
REVISIONS

CONSULTANT

LAS VEGAS NV
3191 S. JONES BLVD. LAS VEGAS, NV 89146
T. 702.253.9390 F. 702.253.1816
CARLSBAD CA
2248 FARADAY AVE. CARLSBAD, CA 92008
jwzunino.com
JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
20'X20' SHADE SHELTER

STAMP



OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

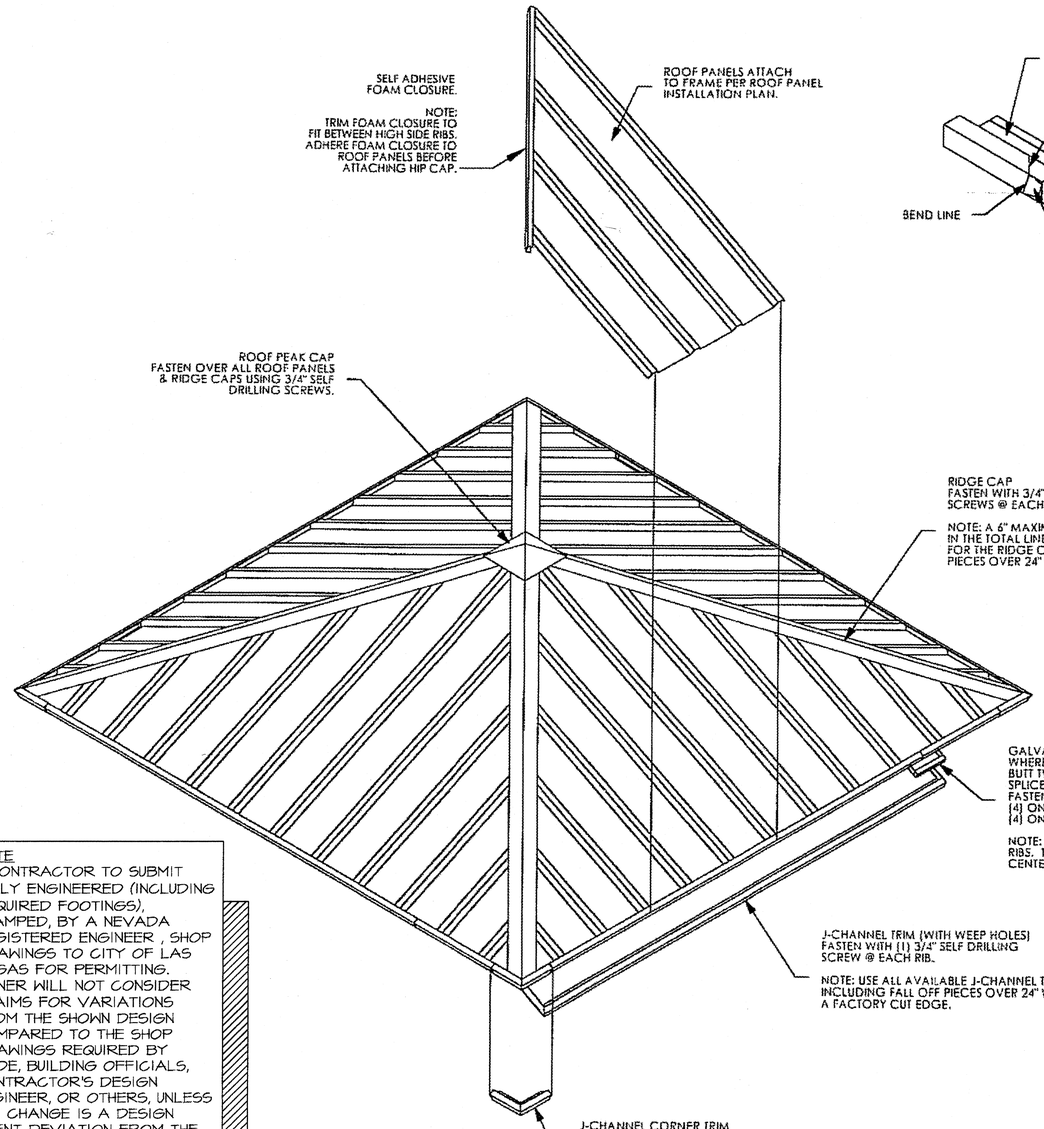
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD) (702) 386-9108

DRAWN CEB
FILE 136-DT-Poligon
DATE 6/27/2011
SCALE AS NOTED
BID NO 10.15341.04
CLV DWG NO 650.19-47-2
HANSEN NO 33039
SHT NO L11.09

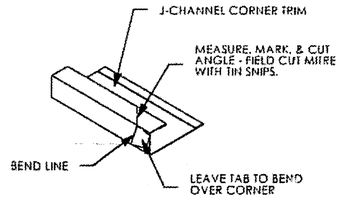
Call before you OVERHEAD 1-702-227-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT
Call before you Dig. CALL 811 NEVADA ONE CALL SERVICE ALERT (USA)

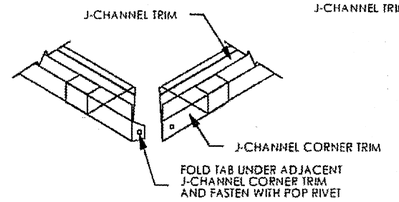
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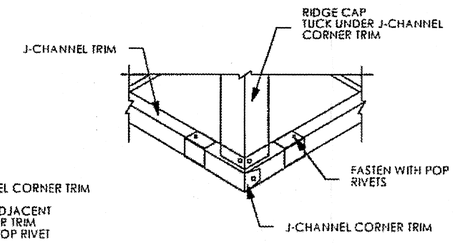
PRINTED ON RECYCLED PAPER
Lorenzi Park 0300.tif



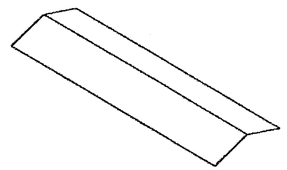
J-CHANNEL CORNER TRIM CONNECTION DETAILS



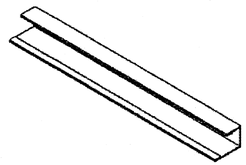




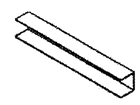
TRIM PIECE DESCRIPTIONS



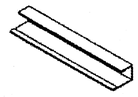
RIDGE CAP
10' LONG
COLOR ON TOP SIDE



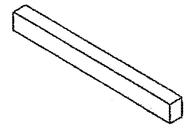
J-CHANNEL TRIM
10' LONG
COLOR ON OUTSIDE
GALVANIZED STEEL INSERT



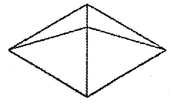
GALVANIZED SPLICE CHANNEL
8' LONG
GALVANIZED STEEL



J-CHANNEL CORNER TRIM
8' LONG
COLOR ON OUTSIDE



SELF ADHESIVE FOAM CLOSURE
3" LONG ROLL



ROOF PEAK CAP
COLOR ON TOP SIDE

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NOTE: REMOVE ALL PROTECTIVE PLASTIC FROM TRIM PARTS BEFORE INSTALLING.

NOTE: FOR SECTION VIEWS OF THE ROOF, REFER TO THE ROOF CONNECTION DETAIL SHEET.

NOTE
2. DESIGN, SIZING, MATERIALS, ETC. ARE TO BE PER MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.
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NOTE:
MANUFACTURERS DRAWINGS

RECORD AS-BUILT

poligon PARK ARCHITECTURE 800-354-7721 www.poligon.com by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

CREATION DATE: 3/27/2008
JOB NO: 47526
CAD MODEL: SQR-20-MR-B2-47526
DRAWN BY: | PRINT DATE: 8/30/2010
REV LEVEL: A | SCALE: 1:1
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: ROOF INSTALLATION
SHEET SQR

PATENTED AND/OR PATENTS PENDING COPYRIGHT 2006 PORTERCORP HOLLAND, MI 49424

Call before you OVERHEAD 1-702-221-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT
Call before you Dig. CALL 811 (811 NEVADA ONE-CALL ALERT SYSTEM)

REVISIONS

CONSULTANT

LAS VEGAS NV
9191 S. JONES BLVD. LAS VEGAS, NV 89146
T: 702.255.8888 F: 702.255.8818
CARLSBAD CA
2248 FARADAY AVE. CARLSBAD, CA 92008
jwzunino.com | landscape architecture | planning
NV # 0151 | UT # 5568-1 | NM #251 | AZ #37261 | CA #3738 | TX #1788
JW ZUNINO LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
20'X20' SHADE SHELTER

STAMP

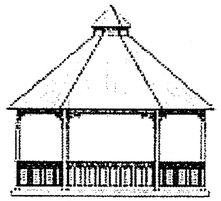
REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER J. ZUNINO 783 STATE OF NEVADA Expires 6/30/12

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
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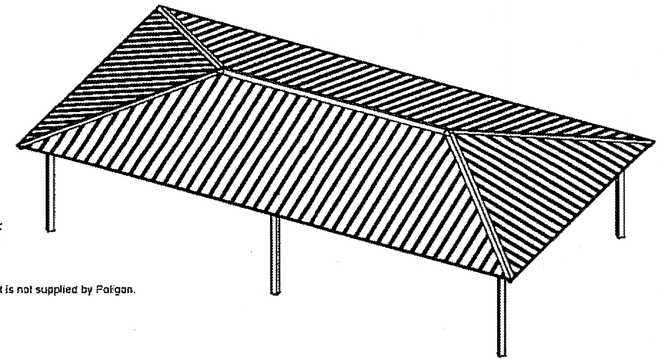
DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/21/2011
SCALE	AS NOTED
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L11.10

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Copyright laws protect the style and visual appearance of the structure while patents may protect other parts of the design.

BUILDING TYPE: RAMADA 24x44 w/MULTI RIB ROOF

JOB NUMBER: 47528

MATERIALS	ASTM DESIGNATION
TUBE STEEL	A-500 GRADE B
LIGHT GAGE COLD FORMED	A-570 GRADE 55
STRUCTURAL STEEL PLATE	A-36
ROOF PANELS (STEEL)	A-446
ANCHOR BOLTS	A-307

HIGH STRENGTH BOLTING
ALL HIGH STRENGTH BOLTS ARE A325 WITH HEAVY HEX NUTS AND ARE TO BE INSTALLED BY THE " SNUG-TIGHT " METHOD SPECIFIED IN THE THIRTEENTH EDITION OF THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" PER SECTION 8 D (1). A325 BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE " SNUG-TIGHT " METHOD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO INSURE PROPER TIGHTNESS.

ALL WELDING IS PERFORMED BY AWS CERTIFIED WELDERS AND CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED.

IF THESE DRAWINGS ARE SEALED, THE SEAL APPLIES ONLY TO THE MATERIALS SUPPLIED BY POLIGON AND PORTERCORP AND IS NOT INTENDED AS THE SEAL OF THE ENGINEER OF RECORD FOR THE ENTIRE PROJECT.

PARTS SHOWN MAY BE UPGRADED DUE TO STANDARDIZED FABRICATION. REFER TO THE SHIPPING BILL OF MATERIALS FOR POSSIBLE SUBSTITUTIONS

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT THE PRIMARY FRAME INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM FIVE (5) YEARS DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT ELECTRIC WIRING, IF REQUIRED, IS RAN THROUGH THE STRUCTURAL MEMBERS BEFORE THE BUILDING IS ERECTED.

FABRICATOR APPROVALS
CITY OF LOS ANGELES, CA APPROVED FABRICATOR #1596
CITY OF HOUSTON, TX APPROVED FABRICATOR #470
CITY OF RIVERSIDE APPROVED FABRICATOR #SP06-0033
STATE OF UTAH APPROVED FABRICATOR 02008-14
CLARK COUNTY NEVADA APPROVED FABRICATOR #264

CERTIFICATES
MIAMI-DADE COUNTY CERTIFICATE OF COMPETENCY NO. 09-0804.03

2006 International Building Code
With Nevada Amendments

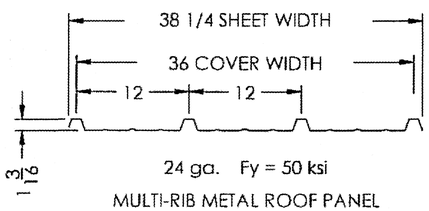
WEIGHT OF ROOFING SYSTEM:
2 PSF

ROOF LIVE LOAD:
20 PSF

SNOW LOAD:
GROUND SNOW LOAD: 10 PSF
SNOW EXPOSURE FACTOR: 1.0
SNOW LOAD IMPORTANCE FACTOR: 1.0
THERMAL FACTOR: 1.2

WIND LOAD:
BASIC WIND SPEED: 90 MPH
GUST EFFECT FACTOR (G): 0.85
WIND IMPORTANCE FACTOR: 1.0
INTERNAL PRESSURE COEFFICIENT: 0
WIND EXPOSURE: C

SEISMIC DESIGN:
ORDINARY STEEL MOMENT FRAMES
SEISMIC IMPORTANCE FACTOR: 1.0
SEISMIC DESIGN CATEGORY: D
SEISMIC SITE CLASS: D
OCCUPANCY CATEGORY: II



MULTI-RIB METAL ROOF PANEL

PROJECT NAME: LORENZI PARK

PROJECT LOCATION: LAS VEGAS, NV

DRAWING LIST:

SHEET NUMBER	DRAWING DESCRIPTION
CS	COVER SHEET
1	ANCHOR LAYOUT
1.1	FOOTING DETAILS
2	STRUCTURAL FRAMING PLAN
2.1	FRAME CONNECTION DETAILS
2.2	FRAME CONNECTION DETAILS (CONTINUED)
2.3	FRAME CONNECTION DETAILS (CONTINUED)
3	ARCHITECTURAL ELEVATIONS
4	ROOF LAYOUT
5	ROOF CONNECTION DETAILS
RAM	ROOF INSTALLATION

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NOTE:
MANUFACTURERS DRAWINGS

RECORD
AS-BUILT
PLANS APPROVED
ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas
DJV SEP 06 2011
Does Not Include Mechanical, Electrical or Plumbing Improvements Without a Permit to Include Any Of These

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PATENTED AND/OR PATENTS PENDING COPYRIGHT 2006 PORTERCORP HOLLAND, MI 49424

PROJECT: LORENZI PARK RENOVATION PHASE 2
PROJECT LOCATION: CITY OF LAS VEGAS, NV
DRAWING: COVER SHEET
CAD MODEL: RAM 24x44MR-B2-47528
SHEET: CS

CREATION DATE: 8/19/2008
JOB NO: 47528
DRAWN BY: A
REV LEVEL: A
PRINT DATE: 9/2/2010
SCALE: 1:125

poligon PARK ARCHITECTURE
800-354-7721
www.poligon.com
by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

CONSULTANT
J W ZUNINO
LANDSCAPE ARCHITECTURE
LAS VEGAS NV
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T. 702.253.9330 | F. 702.253.1315
CARLSBAD CA
2241 FARADAY AVE. | CARLSBAD, CA 92008

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
24'X44' SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
733
Expires 6/30/12
STATE OF NEVADA

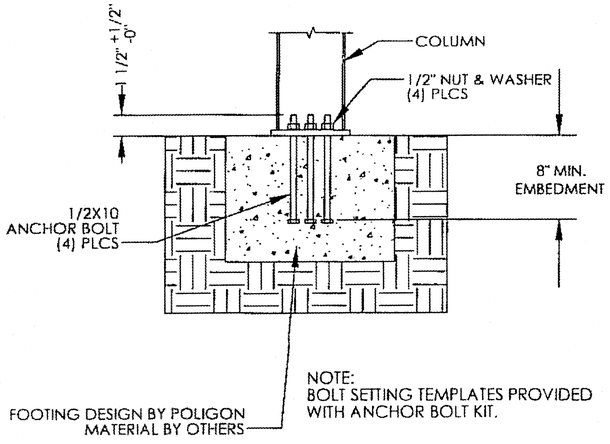
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/7/2011
SCALE	AS NOTED
SID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L12.01

Call before you OVERHEAD 1-702-221-2424
Call before you Dig. CALL 811

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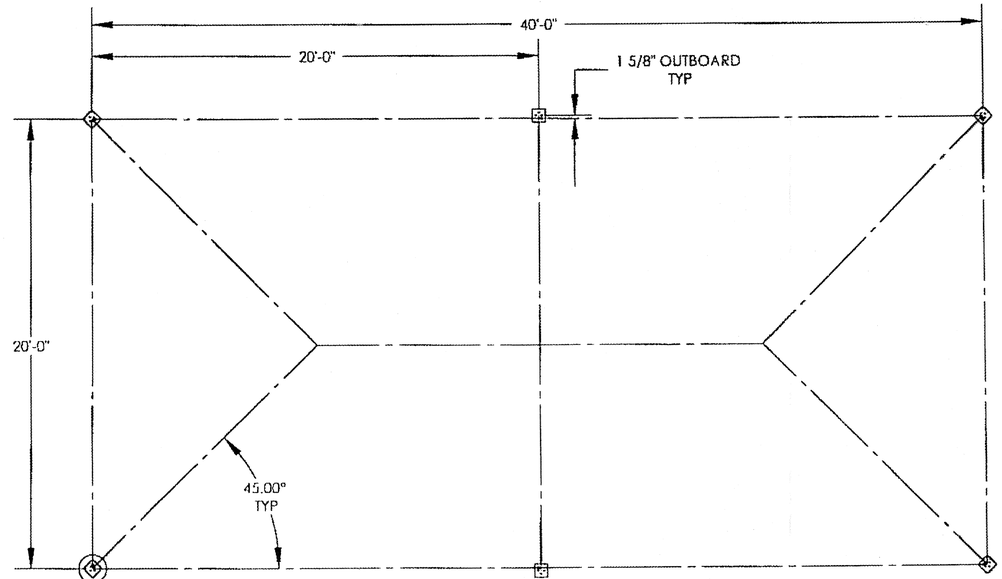
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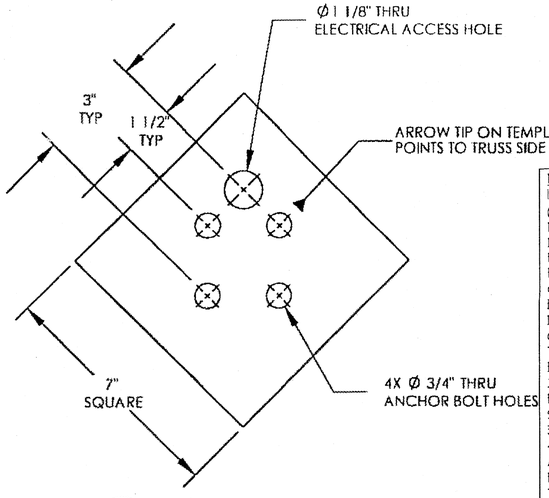


NOTE:
THE EDGE OF CONCRETE HAS BEEN TAKEN AS OF 12 INCHES FROM CENTER OF COLUMN FOR ALL DESIGN VALUES FOR THE ANCHOR BOLTS.
IF THERE IS LESS CONCRETE COVER THAN THE 12 INCHES. THE POLIGON ENGINEERING DEPARTMENT MUST BE CONSULTED.

NOTE:
1/2" Ø SIMPSON SET OR 1/2" Ø HILTI HIT-HY 150 MAX EPOXY ANCHORS ARE ACCEPTABLE SUSTITUTIONS FOR THE 1/2" X 10" ANCHOR BOLTS. EPOXY BOLTS ARE TO BE FULLY THREADED, A36 OR EQUIVALENT, WITH A MINIMUM OF 6-3/8" EMBEDMENT.

ELECTRICAL ACCESS HOLE IS ALWAYS LOCATED IN THE COLUMN BASE PLATE AS SHOWN. BE SURE TO KEEP THE ANCHOR BOLT TEMPLATE PROPERLY ORIENTED WHEN ELECTRICAL ACCESS TO THE COLUMN IS REQUIRED. TEMPLATE MUST BE REMOVED BEFORE INSTALLING COLUMNS.





1 ANCHOR BOLT PATTERN
BASE PLATE SIZE: 7 x 7 x 1/2

DETAIL 1
SCALE 1 : 4

NOTE
1. CONTRACTOR TO SUBMIT FULLY ENGINEERED (INCLUDING REQUIRED FOOTINGS), STAMPED, BY A NEVADA REGISTERED ENGINEER , SHOP DRAWINGS TO CITY OF LAS VEGAS FOR PERMITTING. OWNER WILL NOT CONSIDER CLAIMS FOR VARIATIONS FROM THE SHOWN DESIGN COMPARED TO THE SHOP DRAWINGS REQUIRED BY CODE, BUILDING OFFICIALS, CONTRACTOR'S DESIGN ENGINEER, OR OTHERS, UNLESS THE CHANGE IS A DESIGN INTENT DEVIATION FROM THE CONTRACT DOCUMENTS REQUIRED IN WRITING BY THE OWNER
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3. FOR MANUFACTURER SEE SHEET L17.01-L17.02
4. CONTRACTOR IS RESPONSIBLE FOR ALL ASSOCIATED FEES FOR DESIGN, REVIEW, AND PERMITTING. IF ADDITIONAL GEO-TECH IS NEEDED THAT IS NOT PROVIDED IN DOCUMENTS, CONTRACTOR IS TO PROVIDE.
5. CONTRACTOR TO COMPLY WITH ALL ADA ACCESSIBILITY REQUIREMENTS.
6. SLAB MUST NOT BE POURED MONOLITHIC WITH SHADE STRUCTURE FOOTINGS. FOR ELECTRICAL CONDUIT AND SLEEVING INFORMATION SEE SHEETS E68, E69, AND S6.02.

COLUMN/S C1			
Summary: Foundation Design Loads	REACTION TYPE	Force	Unit
	Vertical Dead Load (+)	1.2	kip
	Max. Vertical Uplift Force (-)	-1.2	kip
	Max. Vertical Downward Force (+)	5.4	kip
	Max. Horizontal Shear Force (+/-)	0.7	kip
	Max. Overturning Moment (+/-)	0.0	kip-ft

NOTE:
THE STRUCTURE HAS BEEN DESIGNED AS A OPEN STRUCTURE (NO WALLS) UNLESS NOTED OTHERWISE. IF WALLS ARE TO BE ADDED TO THE STRUCTURE THE POLIGON ENGINEERING DEPARTMENT MUST BE CONSULTED.

NOTE:
MANUFACTURERS DRAWINGS

RECORD AS-BUILT

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by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

CREATION DATE: 8/19/2008
DRAWN BY:
REVIEWED:
PRINT DATE: 9/2/2010
SCALE: 1:72
JOB NO: 47528
CAD MODEL: RAM 24x44MR-B2-47528
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: ANCHOR LAYOUT
PROJECT:
SHEET 1

CONSULTANT
L A S V E G A S N V
3191 S JONES BLVD LAS VEGAS, NV 89146
T 702.253.1616 F 702.253.1316
C A R L S B A D C A
2246 FARADAY AVE CARLSBAD, CA 92008

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS

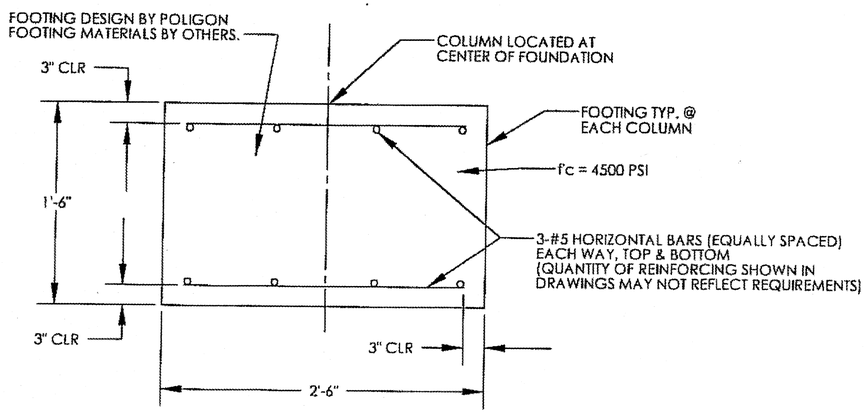
STAMP
REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LAY 733 Expires 6/30/11 STATE OF NEVADA

OWNER: CITY OF LA
DEPARTMENT OF PUBL
400 EAST STEWART
LAS VEGAS, NEVADA
PHONE: (702)
FAX: (702)
TDD: (702)

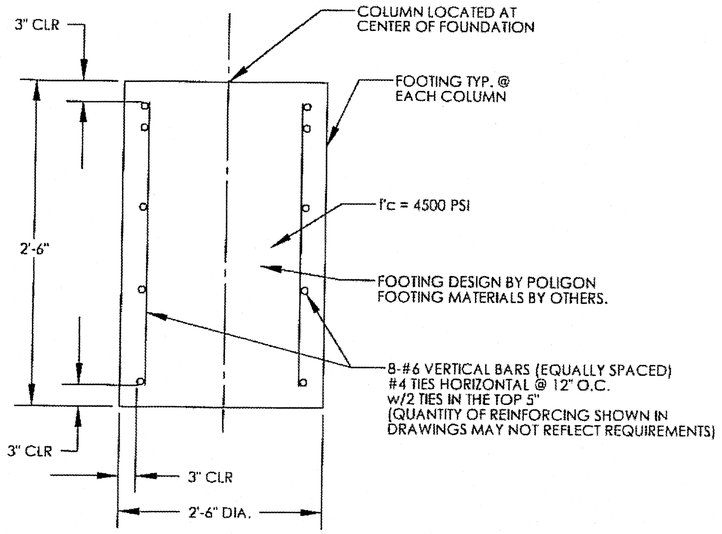
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FILE	136-DT-Poli
DATE	6/21/2011
SCALE	AS NOTED
EDD NO	10.1534
CLV DWG NO	650.19
HANSEN NO	33039
SHT NO	L12.

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SQUARE FOOTING



DRILLED PIER FOOTING

FOUNDATION NOTES:

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THEBUILDING CODE, AMERICAN CONCRETE INSTITUTE, AND ALL APPLICABLE STATE & LOCAL ORDINANCES AND REQUIREMENTS.
2. THE CONCRETE DESIGN IS BASED ON A 28-DAY STRENGTH OF 3000 PSI.
3. ANCHOR BOLTS SHALL BE A307 QUALITY AND RECOMMENDED TO BE THE "HEADED" TYPE BOLT IF NOT USING THE ANCHORS SUPPLIED BY THE MANUFACTURER OF THE SHELTER.
4. THE SPREAD FOOTING SHALL BEAR ON COMPETENT UNDISTURBED SOIL OR 95% COMPACTED FILL. IF SIGNS OF ORGANIC MATERIAL, UNCONTROLLED FILL, CLAY OR SILT, HIGH WATER TABLE OR OTHER POSSIBLE DETRIMENTAL CONDITIONS ARE FOUND, INSTALLATION OF THE FOUNDATION MUST BE DISCONTINUED AND A SOILS ENGINEER CONTACTED. THE SOILS ENGINEER MUST THEN EVALUATE THE SOIL PROPERTIES BEFORE THE FOUNDATION CAN BE INSTALLED. A LOCAL FOUNDATION DESIGN ENGINEER MUST THEN REDESIGN THE FOUNDATION BASED ON THE NEW SOILS CONDITION.
5. THE REINFORCING STEEL SHALL BE NEW AND UNUSED AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615, GRADE 60.
6. IF FOOTING DEPTH SHOWN DOES NOT MEET LOCAL FROST REQUIREMENTS, FOOTINGS SHALL BE RE-DESIGNED UNDER THE DIRECTION OF A LOCAL ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCAL FROST LINE DEPTH BELOW GRADE PRIOR TO CONSTRUCTION.

THE FOUNDATION DESIGN CONTAINED HEREIN IS NOT SITE SPECIFIC, BUT BASED ON TABLE 1804.2 OF THE BUILDING CODE, CLASS 5 SOIL MATERIAL. THE BUILDING OFFICIAL IN THE JURISDICTION OF WHICH THIS STRUCTURE IS LOCATED, MAY REQUIRE THAT A SITE SPECIFIC GEOTECHNICAL REPORT BE PROVIDED AND BE INCORPORATED IN THE SUBMITTAL DOCUMENTS.

NOTE

1. CONTRACTOR TO SUBMIT FULLY ENGINEERED (INCLUDING REQUIRED FOOTINGS), STAMPED, BY A NEVADA REGISTERED ENGINEER , SHOP DRAWINGS TO CITY OF LAS VEGAS FOR PERMITTING. OWNER WILL NOT CONSIDER CLAIMS FOR VARIATIONS FROM THE SHOWN DESIGN COMPARED TO THE SHOP DRAWINGS REQUIRED BY CODE, BUILDING OFFICIALS, CONTRACTOR'S DESIGN ENGINEER, OR OTHERS, UNLESS THE CHANGE IS A DESIGN INTENT DEVIATION FROM THE CONTRACT DOCUMENTS REQUIRED IN WRITING BY THE OWNER
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NOTE:
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by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

CREATION DATE: 8/19/2008
JOB NO: 47528
DRAWN BY:
REV LEVEL: A
PRINT DATE: 9/2/2010
SCALE: 1:1

CAD MODEL: RAM 24x44MR-B2-47528
DRAWING: FOOTING DETAILS
PROJECT LOCATION: LAS VEGAS, NV
PROJECT:

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SHEET
1.1

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CARLSBAD, CA
2248 FARADAY AVE. CARLSBAD, CA 92008
jwzunino.com
NV #363 | UT #5884 | MO #363 | AZ #2334 | CA #2334 | TX #1334
J-W-Z-U-N-I-N-O
LANDSCAPE ARCHITECTURE

REVISIONS

CONSULTANT

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
24'X44' SHADE SHELTER

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANDMAN
738
Expires: 12/31/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

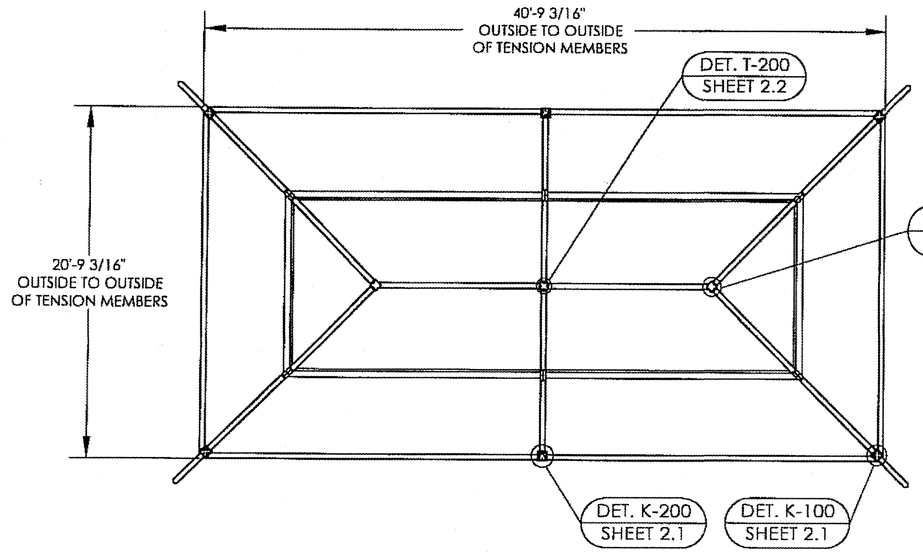
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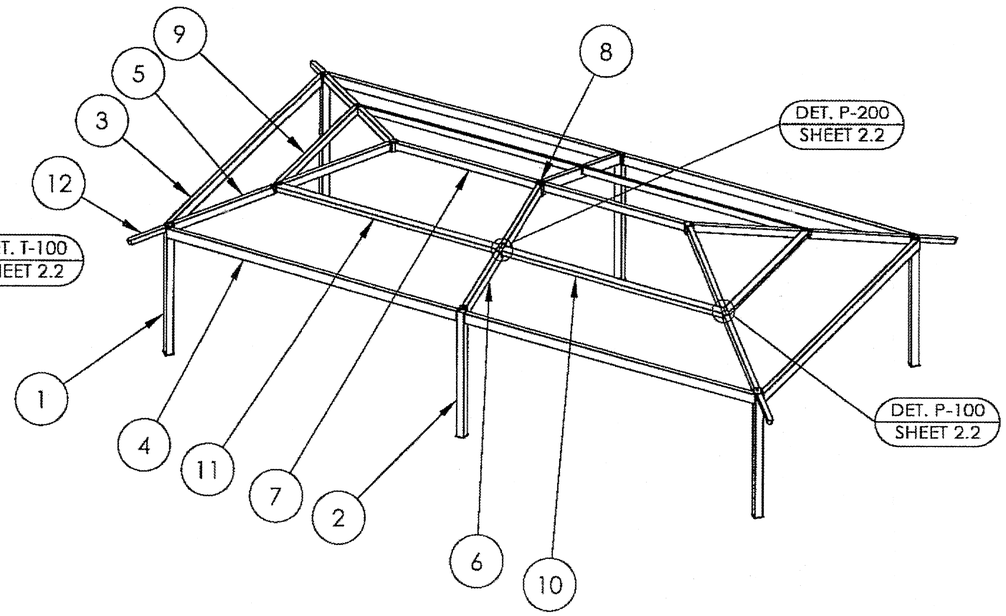
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FILE	136-DT-Poligon
DATE	6/21/2011
SCALE	AS NOTED
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L12.03

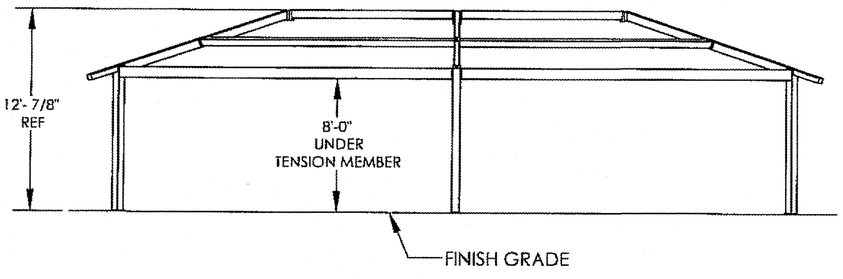
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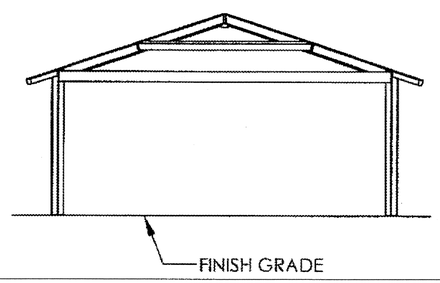
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ITEM	FRAME/QTY.	Part No.	Description	Material
12	4	-	TRUSS TAIL ASM	-
11	2	-	LH CORNER PURLIN ASM	-
10	2	-	RH CORNER PURLIN ASM	-
9	2	-	END PURLIN ASM	-
8	1	-	C-TUBE ASM	-
7	2	-	RIDGE BEAM ASM	-
6	2	-	SIDE TRUSS ASM	-
5	4	-	CORNER TRUSS ASM	-
4	4	-	SIDE TENSION MEMBER ASM	-
3	2	-	END TENSION MEMBER ASM	-
2	2	-	SIDE COLUMN ASM	HSS6"X6"X3/16"
1	4	-	CORNER COLUMN ASM	HSS6"X6"X3/16"

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NOTE:
MANUFACTURERS DRAWINGS

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by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

CREATION DATE: 8/19/2008
JOB NO: 47528
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: STRUCTURAL FRAMING PLAN
CAD MODEL: RAM 24x44MR-82-47528
PROJECT:
SHEET 2
PRINT DATE: 9/2/2010
DRAWN BY:
REV LEVEL: A
SCALE: 1:96

REVISIONS

CONSULTANT

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T 702.253.3000 F 702.253.3010
C A R L S B A D C A
2248 FARADAY AVE. CARLSBAD, CA 92008
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LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
24'X44' SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
783
Expires 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-3232
TDD: (702) 386-9108

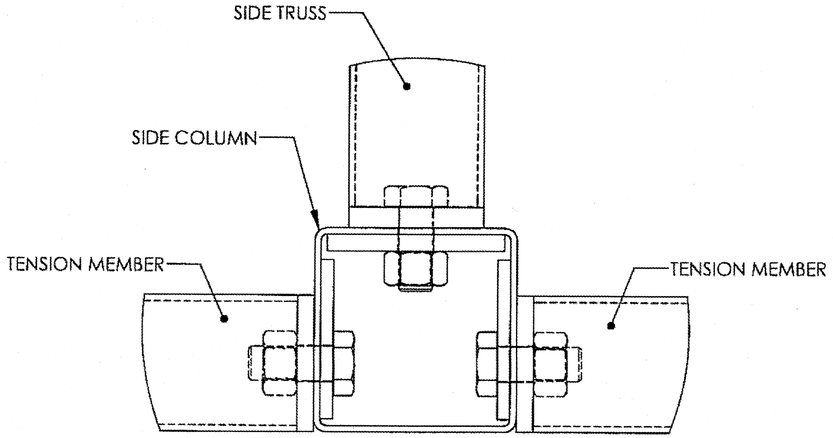
DRAWN CEB
FILE 136-DT-Poligon
DATE 6/7/2011
SCALE AS NOTED
BID NO 10.15341.04
CLV DWG NO 650.19-47-2
HANSEN NO 33039
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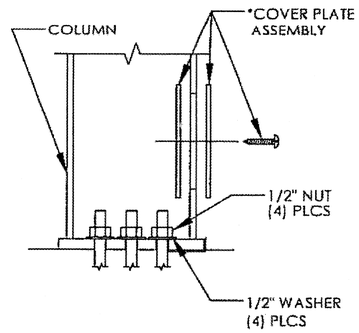
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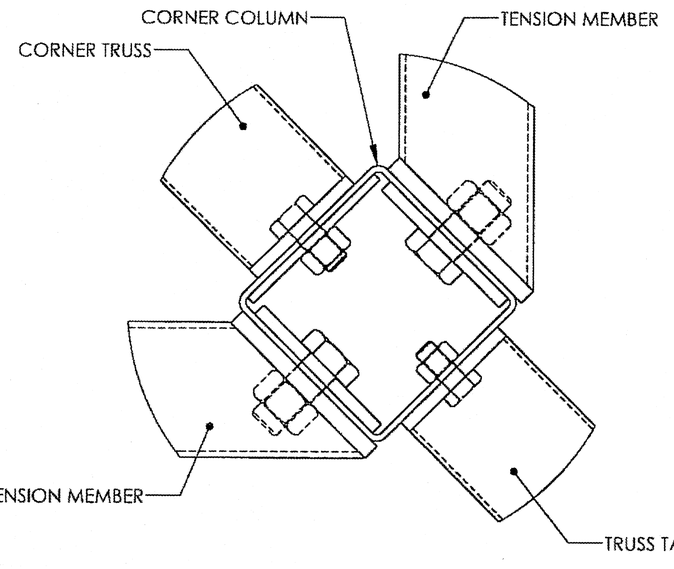


TENSION MEMBER & SIDE TRUSS CONNECTION @ SIDE COLUMN | K-200



*COVER PLATE ASSEMBLY CONSISTING OF:
(1) PLATE (231-0380)
(1) STRAP (231-0381)
(1) SCREW (030015)

SECTION - ANCHOR BOLT AT COLUMN | A-100



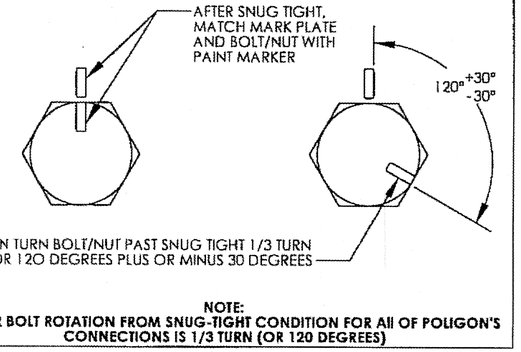
TRUSS, TENSION MEMBER, & TRUSS TAIL CONNECTION @ COLUMN | K-100

NOTES:
ALL HIGH STRENGTH BOLTS ARE A-325 BOLTS AND TO BE INSTALLED BY THE "SNUG-TIGHT" METHOD AS SPECIFIED IN THE 13TH EDITION OF THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", SECTION 8 D (1). A-325 BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE "SNUG-TIGHT" METHOD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO INSURE PROPER TIGHTNESS. THIS METHOD IS ONLY REQUIRED ON 5/8" DIAMETER AND LARGER BOLTS. ANCHOR BOLTS NEED NOT BE TIGHTENED PAST SNUG TIGHT.

LOCAL JURISDICTIONS MAY REQUIRE AN INSPECTOR TO BE PRESENT TO WITNESS HARDWARE INSTALLATION AND INDEPENDENT TESTING. INSPECTION REQUIREMENTS SHOULD BE VERIFIED PRIOR TO STEEL ERECTION. SEE FIGURE BELOW FOR PROPER HIGH STRENGTH BOLT INSTALLATION.

ERECTION OF THE FRAMING MEMBERS WILL REQUIRE THE MAIN COLUMNS TO BE PLUMB SQUARE AND TIGHTENED TO THE TRUSSES AND TENSION MEMBERS BEFORE INSTALLING THE PURLINS. PURLINS, IF REQUIRED, MUST BE PARALLEL TO THE EAVE BEAMS AND TENSION MEMBERS.

UNLESS THE BUILDING HAS A FACTORY APPLIED POWDERCOAT, E-COAT OR GALVANIZING, THE FRAME WILL BE PRIME PAINTED AND WILL BE REQUIRED TO BE FINISH PAINTED IN THE FIELD WITH ALL PAINT, MATERIALS AND LABOR NOT BY POLIGON (PORTERCORP, INC). REFER TO FINAL SALES ORDER.



NOTE:
NUT OR BOLT ROTATION FROM SNUG-TIGHT CONDITION FOR All OF POLIGON'S CONNECTIONS IS 1/3 TURN (OR 120 DEGREES)

NOTE:
MANUFACTURERS DRAWINGS

TOUCH-UP PAINT MUST BE APPLIED TO ALL EXPOSED BOLTS & NUTS. PERIODIC TOUCH-UP AT THESE BOLTED CONNECTIONS IS A MUST.

NOTE
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RECORD AS-BUILT

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PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

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CREATION DATE: 8/19/2008
PRINT DATE: 9/2/2010
DRAWN BY:
REV LEVEL: A
SCALE: 1:4
JOB NO: 47528
PROJECT LOCATION: LAS VEGAS, NV
CAD MODEL: RAM 24x44MR-B2-47528
DRAWING: FRAME CONNECTION DETAILS
PROJECT:
SHEET 2.1

CONSULTANT
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319E ST. JONES BLVD. LAS VEGAS, NV 89146
T. 702.253.8380 F. 702.253.1818
CARLSBAD, CA
2215 FARADAY AVE. CARLSBAD, CA 92008
J.W. ZUNINO LANDSCAPE ARCHITECTURE
jwzarch.com | NV #395 | AZ #3384 | CA #3738 | TX #1196

REVISIONS

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
24'X44' SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER J. ZUNINO 733 Expires: 6/30/12 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-9232
TDD: (702) 386-9108

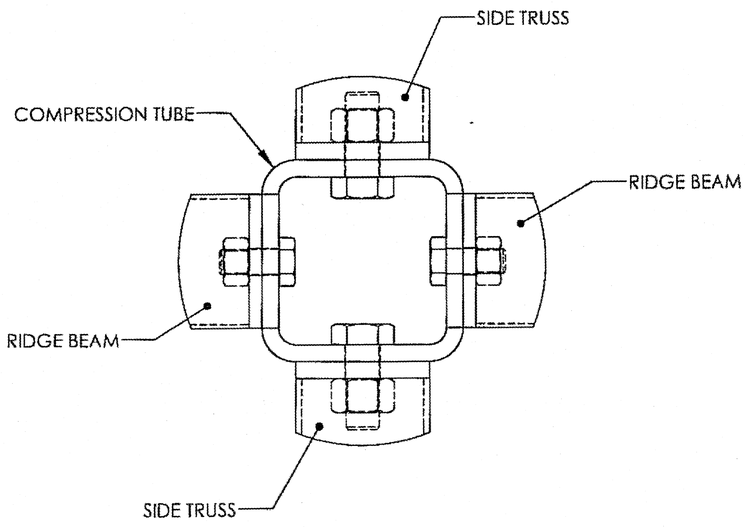
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FILE: 136-DT-Poligon
DATE: 6/21/2011
SCALE: AS NOTED
BID NO: 10.1534.04
CLV DWG NO: 650.19-47-2
HANSEN NO: 33039
SHT NO: L12.05

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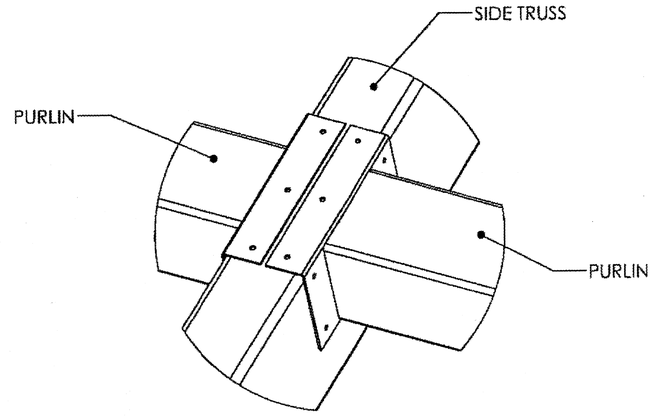
Call before you OVERHEAD 1-702-227-2929 NEVADA POWER COMPANY AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 NEVADA 811 UNDERGROUND SERVICE ALERT (USA)

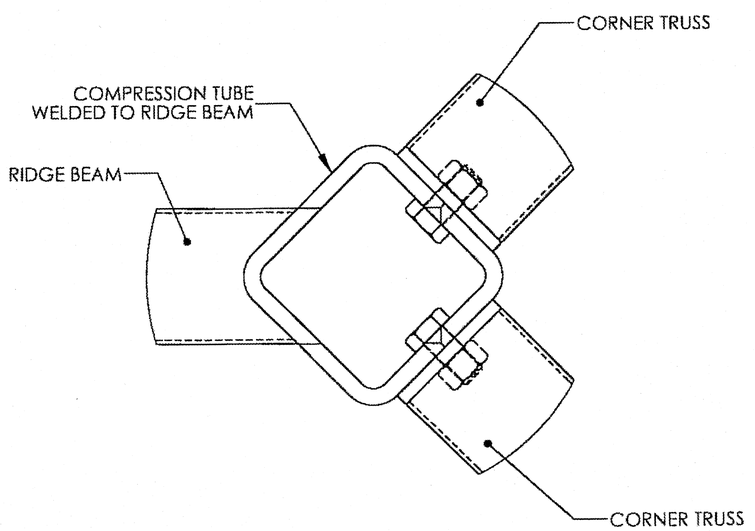
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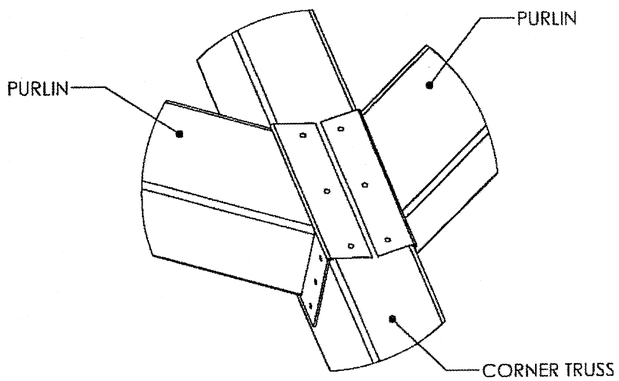
TRUSS CONNECTION @ COMPRESSION RING | T-200



PURLIN CONNECTION @ TRUSS | P-200



TRUSS CONNECTION @ COMPRESSION TUBE | T-100



PURLIN CONNECTION @ TRUSS | P-100

NOTE
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3. FOR MANUFACTURER SEE SHEET L17.01-L17.02
4. CONTRACTOR IS RESPONSIBLE FOR ALL ASSOCIATED FEES FOR DESIGN, REVIEW, AND PERMITTING. IF ADDITIONAL GEO-TECH IS NEEDED THAT IS NOT PROVIDED IN DOCUMENTS, CONTRACTOR IS TO PROVIDE.
5. CONTRACTOR TO COMPLY WITH ALL ADA ACCESSIBILITY REQUIREMENTS.
6. SLAB MUST NOT BE POURED MONOLITHIC WITH SHADE STRUCTURE FOOTINGS. FOR ELECTRICAL CONDUIT AND SLEEVING INFORMATION SEE SHEETS E68, E69, AND S6.02.

NOTE:
MANUFACTURERS DRAWINGS

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by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

CREATION DATE: 8/19/2008
JOB NO: 47528
DRAWN BY:
REV LEVEL: A
PRINT DATE: 9/2/2010
SCALE: 1:4
CAD MODEL: RAM 24x44MR-B2-47528
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: FRAME CONNECTION DETAILS
PROJECT:
PATENTED AND/OR PATENTS PENDING. COPYRIGHT 2006 PORTERCORP HOLLAND, MI 49424
SHEET 2.2

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER (SURVEYING) AND SAFETY SERVICES DEPARTMENT
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T. 702.252.8886 | F. 702.220.1015
CARLSBAD, CA
2248 FARADAY AVE. | CARLSBAD, CA 92008
JWZUNINO.com | NV #1532 | AZ #2326 | CA #2798 | TX #1196
J W Z U N I N O
LANDSCAPE ARCHITECTURE

REVISIONS

CONSULTANT

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
24'X44' SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANDRAM
733
Expires 03.30.12
STATE OF NEVADA

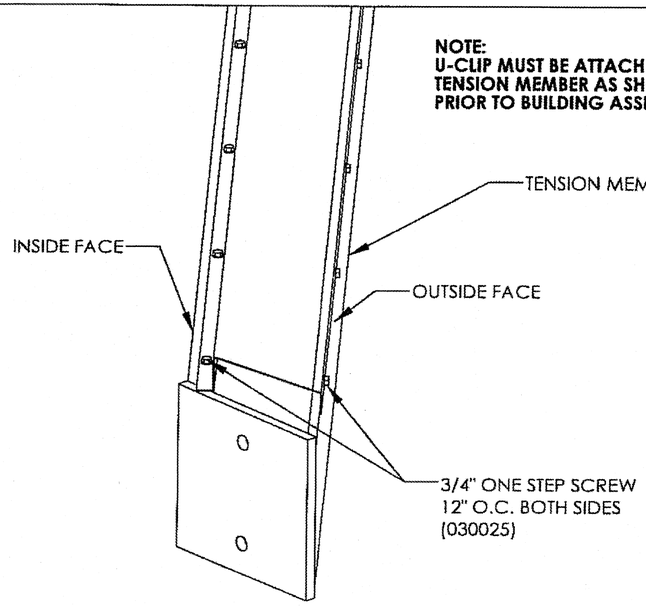
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/7/2011
SCALE	AS NOTED
BID NO	10.1539104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L12.06

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U-CLIP CONNECTION AT T-MEMBER/C-MEMBER | UC-100

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NOTE:
MANUFACTURERS DRAWINGS

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FORTERCORP 4240 N. 136th AVE. HOLLAND, MI 49424

DRAWN BY:
PRINT DATE: 9/2/2010
REV LEVEL: A
SCALE: 1:4

CREATION DATE: 8/19/2008
JOB NO: 47528

PATENTED AND/OR PATENTS PENDING COPYRIGHT 2006 PORTERCORP HOLLAND, MI 49424

PROJECT:
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: FRAME CONNECTION DETAILS
CAD MODEL: RAM 24x44MR-B2-47528

SHEET 2.3

Call before you OVERHEAD 1-702-221-2929 NEVADA POWER, SOUTHWEST GAS AND SAFETY SERVICES DEPARTMENT
Call before you Dig. CALL 811 (UNDERGROUND SERVICE ALERT, USA)

REVISIONS

CONSULTANT

LAS VEGAS NV
3191 S. JONES BLVD., LAS VEGAS, NV 89146
T 702.253.9388 F 702.253.1818
CARLSBAD CA
2248 FARADAY AVE. | CARLSBAD, CA 92008
JWZUNINO.com | (619) 719-1363 | (888) 599-1363 | NEVADA
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JW ZUNINO LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
24'X44' SHADE SHELTER

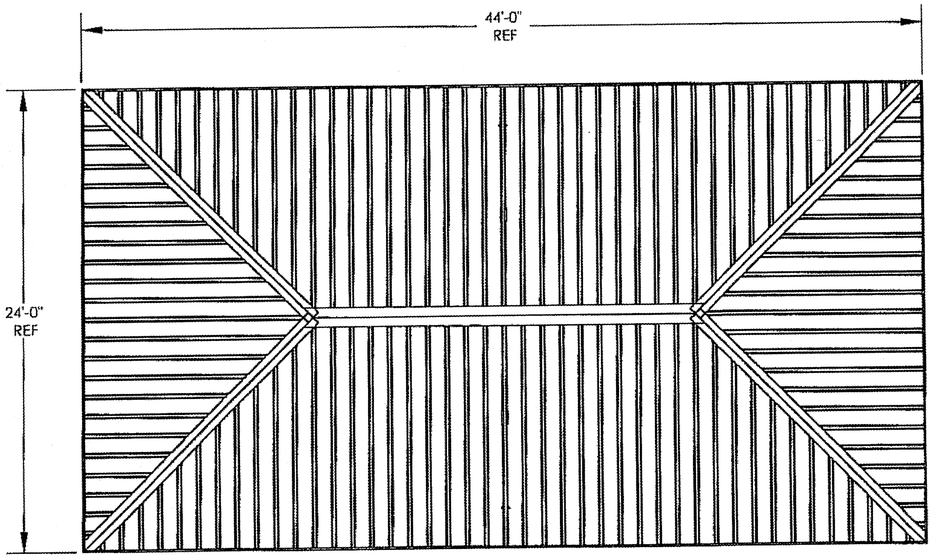
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STAMP
REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER J. ZUNINO 783 Expires 12/31/12 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-5232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/21/2011
SCALE	AS NOTED
BID NO	10.1534104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L12.07

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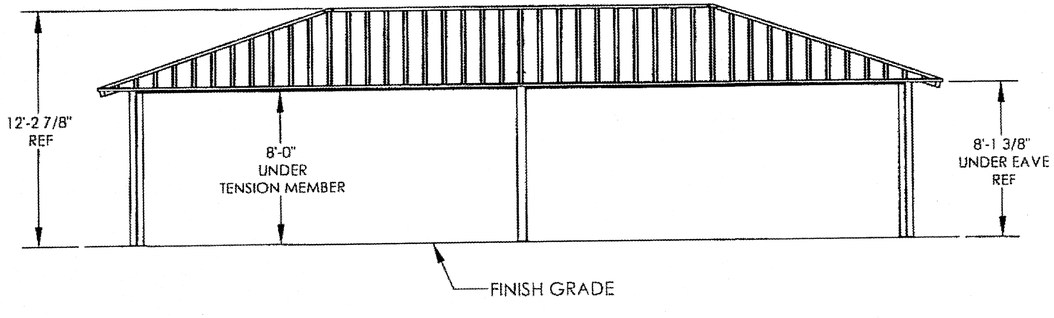
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6. SLAB MUST NOT BE POURED MONOLITHIC WITH SHADE STRUCTURE FOOTINGS. FOR ELECTRICAL CONDUIT AND SLEEVING INFORMATION SEE SHEETS EG8, EG9, AND S6.02.

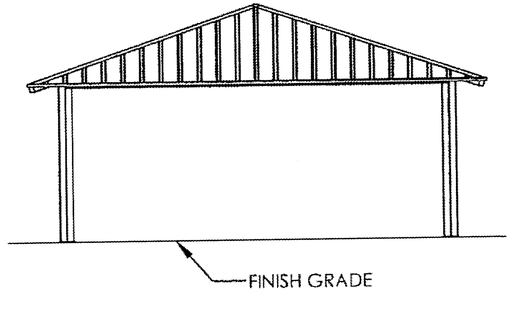
WARNING:

ANY VARIATION IN THE E.LEVATIONS AS SHOWN AND APPROVED HEREON MAY RESULT IN THE WITHHOLDING OF FINAL APPROVAL AND/OR A CERTIFICATE OF OCCUPANCY UNTIL SUCH TIME AS THE BUILDING OR STRUCTURE CONFORMS TO THE PLANS AND ELEVATIONS AS APPROVED BY

9.19.11

NOTE:
MANUFACTURERS DRAWINGS





RECORD
AS-BUILT
PLANS APPROVED
ARCHITECTURAL
Building Division Dept.
City of Las Vegas
DJW SEP 06 2011
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PROJECT:
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: ARCHITECTURAL ELEVATIONS
CAD MODEL: RAM 24x44MR-B2-47528
CREATION DATE: 8/19/2008
JOB NO: 47528
DRAWN BY:
REV LEVEL: A
PRINT DATE: 9/2/2010
SCALE: 1:84
SHEET 3

Shirle Strother-Shannon
9.19.11

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by PORTERCORP
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REVISIONS

CONSULTANT

L A S V E G A S N V
3191 S. JONES BLVD. LAS VEGAS, NV 89146
P. 702.253.8380 F. 702.253.1018

C A R L S B A D C A
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LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
24'X44' SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. KINSMAN
733
6/27/11
Expires: 2012
STATE OF NEVADA

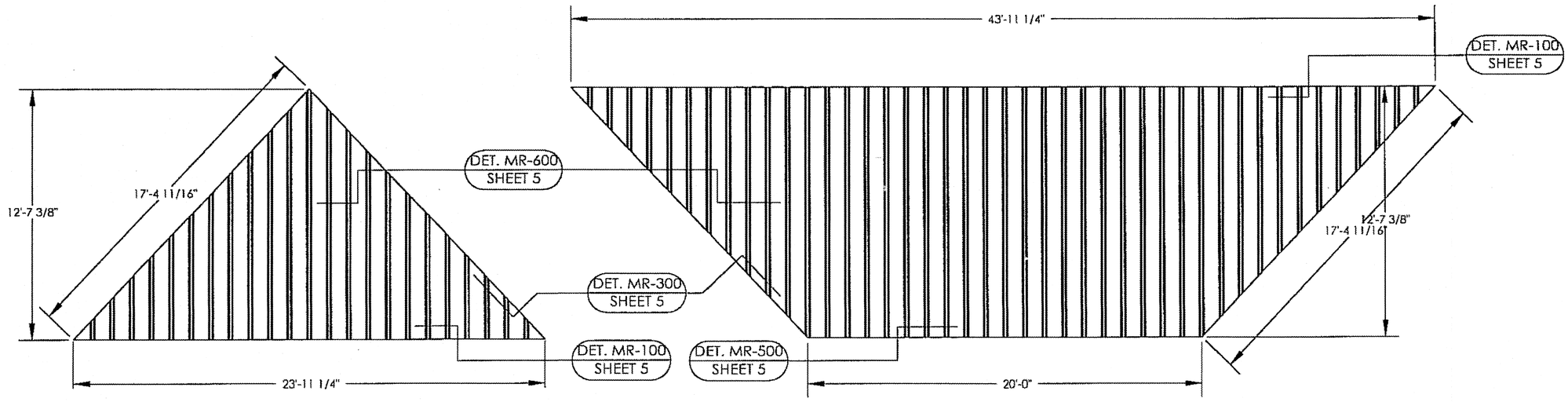
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

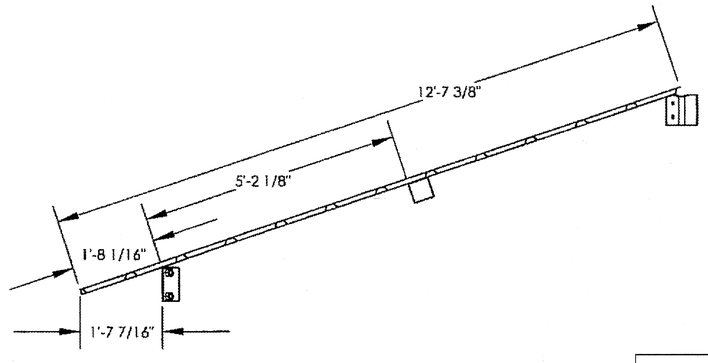
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.1534104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L12.08

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NOTE
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NOTE:
MANUFACTURERS DRAWINGS

THE DETAILS SHOWN ARE SUGGESTIONS OR GUIDELINES ON HOW TO ERECT THE SYSTEMS. THE INFORMATION SHOWN IS ACCURATE, BUT IT IS NOT INTENDED TO COVER ALL INSTANCES, BUILDING REQUIREMENTS, DESIGNS OR CODES. THE DETAILS MAY REQUIRE CHANGES OR REVISIONS DUE TO FIELD CONDITIONS.

IT SHALL BE THE RESPONSIBILITY OF THE ERECTOR TO ENSURE THAT THE DETAILS MEET PARTICULAR BUILDING REQUIREMENTS AND TO ASSURE ADEQUATE WATER TIGHTNESS.

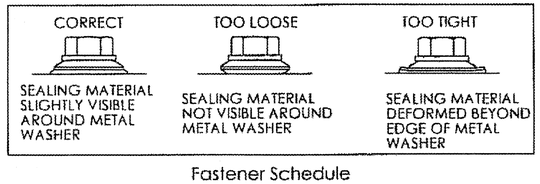
THE ERECTOR SHOULD THOROUGHLY FAMILIARIZE HIMSELF/HERSELF WITH ALL ERECTION INSTRUCTIONS BEFORE STARTING WORK.

THE PANELS SHOULD BE INSTALLED PLUMB, STRAIGHT, AND ACCURATELY TO THE ADJACENT WORK.

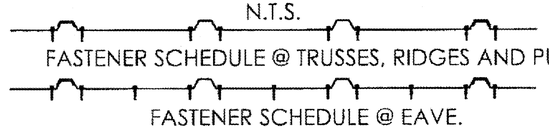
FLASHING AND TRIM SHALL BE INSTALLED TRUE, AND IN PROPER ALIGNMENT, WITH ANY EXPOSED FASTENERS EQUALLY SPACED FOR THE BEST APPEARANCE.

SEALANT SHALL BE FIELD APPLIED ON DRY, CLEAN SURFACES. SOME FIELD CUTTING AND FITTING OF PANELS AND FLASHING IS TO BE EXPECTED BY THE ERECTOR AND MINOR FIELD CORRECTIONS ARE A PART OF NORMAL ERECTION WORK.

WORKMANSHIP SHALL BE OF THE BEST INDUSTRY STANDARDS AND INSTALLATION SHALL BE PERFORMED BY EXPERIENCED METAL CRAFTSMEN.



Fastener Schedule
N.T.S.



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PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

PRINT DATE: 9/2/2010
SCALE: 1:64
CREATION DATE: 8/19/2008
DRAWN BY:
REV LEVEL: A
JOB NO: 47528
CAD MODEL: RAM 24x44MR-B2-47528
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: ROOF LAYOUT
SHEET 4

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CONSULTANT
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3191 S. JONES BLVD. LAS VEGAS, NV 89146
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CARLSBAD CA
2248 FARADAY AVE. CARLSBAD, CA 92008
JWZunino.com
NV #760 | LIC# 45584 | NM #362 | AZ #25584 | CA #37258 | TX #7758
J W Z U N I N O
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
24'X44' SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANGHAM 733 Expires 12-31-12 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

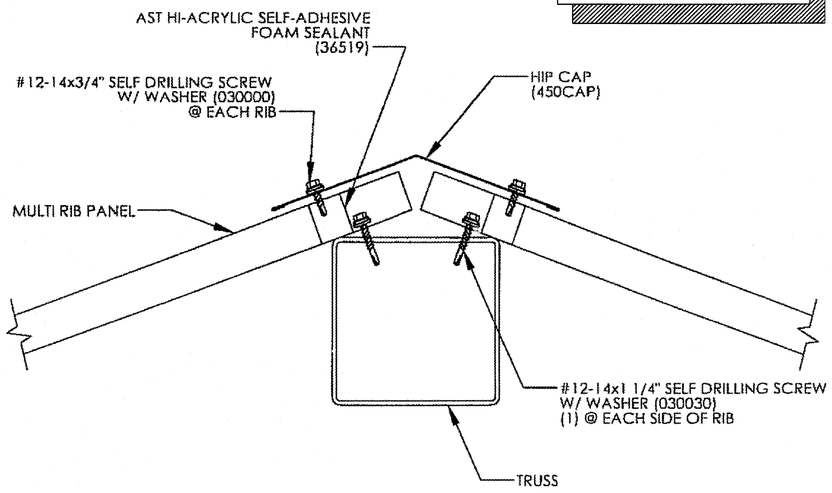
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-5232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/21/2011
SCALE	AS NOTED
BID NO	101534104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L12.09

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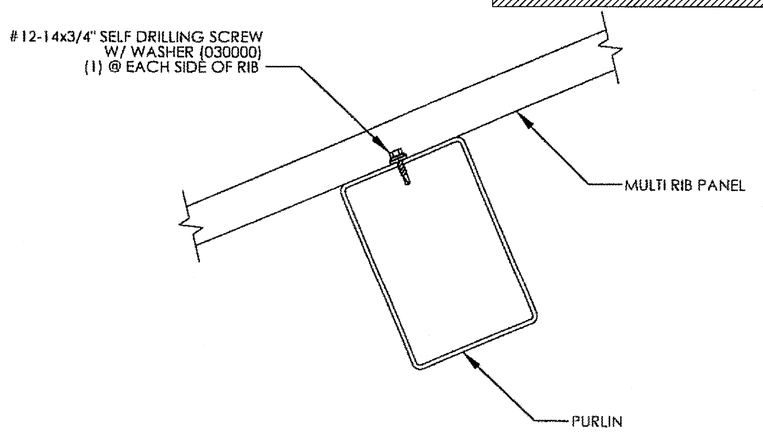
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NOTE:
MANUFACTURERS DRAWINGS



SECTION @ TRUSS | MR-300

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SECTION @ PURLIN | MR-600

NOTE:
ATTACH ROOF PEAK CAP TO RIBS & RIDGE CAP WITH #12-14x3/4" SELF DRILLING SCREW. (030000)

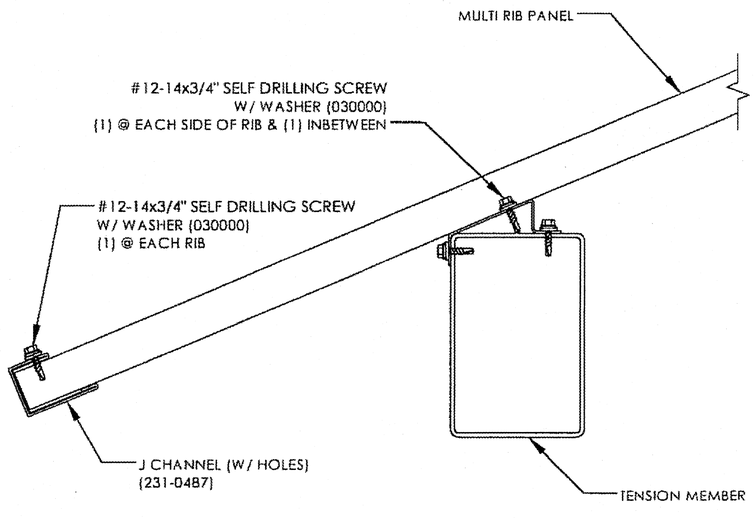
030000
#12-14x3/4" SELF DRILLING SCREW.

030030
#12-14x1 1/4" SELF DRILLING SCREW.
(NOTE: USE ONLY TO FASTEN ROOF AT THE RIDGE TO THE TRUSS OR RIDGE BEAM.)

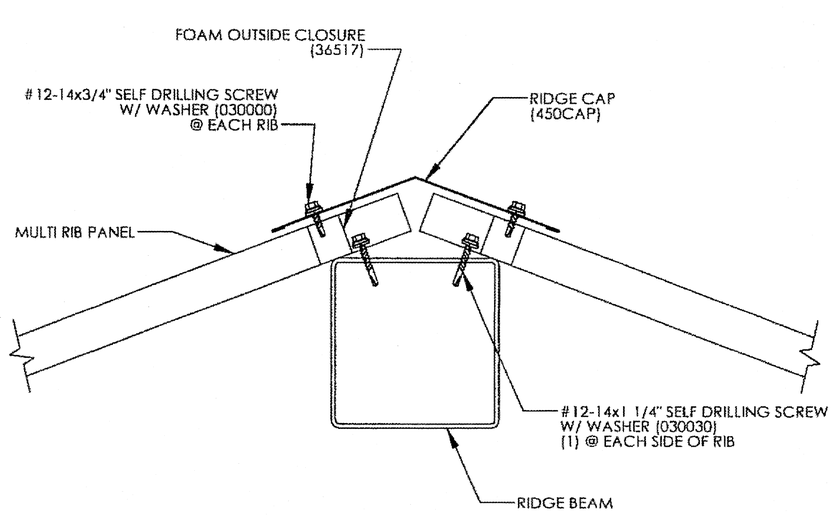
030105
1/8"x" POP RIVET
USE TO ATTACH THE COVER PLATES.

NOTE:
ALL MATERIALS ARE CALLED OUT ON SHEET 4.

NOTE
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6. SLAB MUST NOT BE POURED MONOLITHIC WITH SHADE STRUCTURE FOOTINGS. FOR ELECTRICAL CONDUIT AND SLEEVING INFORMATION SEE SHEETS E68, E69, AND S6.02.



SECTION @ EAVE | MR-100



SECTION @ RIDGE | MR-500

RECORD AS-BUILT

THIS SEAL PERTAINS ONLY TO THE MATERIALS SUPPLIED BY POLIGON. THIS SEAL DOES NOT SERVE AS - OR REPRESENT - THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH

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by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

PRINT DATE: 9/2/2010
SCALE: 1:1
DRAWN BY:
REV LEVEL: A
CREATION DATE: 8/19/2008
JOB NO: 47528
CAD MODEL: RAM 24x44MR-B2-47528
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: ROOF CONNECTION DETAILS
SHEET 5

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REVISIONS

CONSULTANT

L A S V E G A S N V
3191 S. JONES BLVD. LAS VEGAS, NV 89146
T 702.255.8686 F 702.253.1818

C A R L S B A D C A
2248 FARADAY AVE. CARLSBAD, CA 92008

JW ZUNINO
LANDSCAPE ARCHITECTURE

Jwzunino.com | NV #1001 | AZ #1034 | CA #1034 | TX #1104

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
24'X44' SHADE SHELTER

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
733
Expires 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN: CEB
FILE: 136-DT-Poligon
DATE: 6/21/2011
SCALE: AS NOTED
BID NO: 10153410A
CLV DWG NO: 650.19-47-2
HANSEN NO: 33039
SHT NO: L12.10

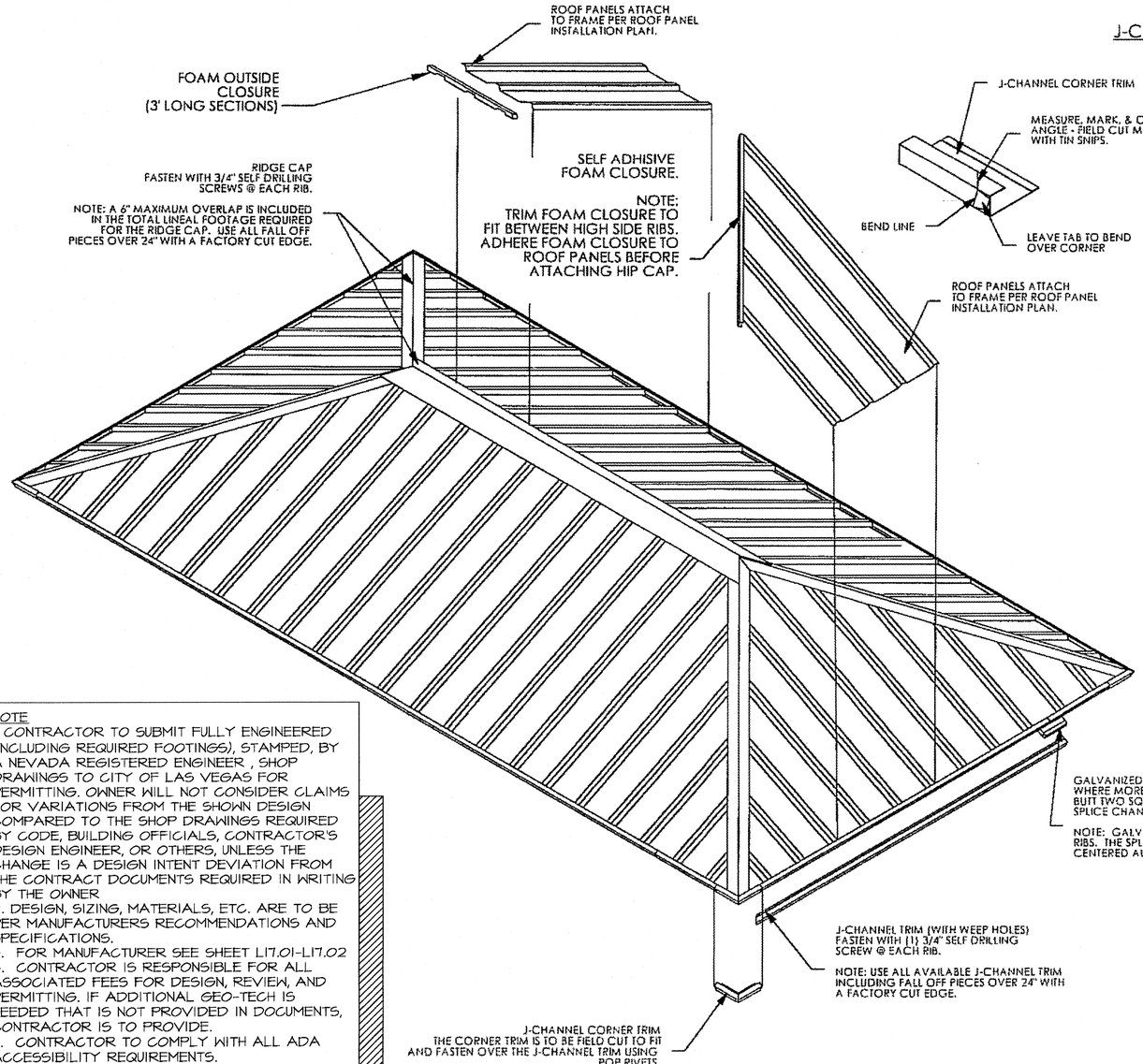
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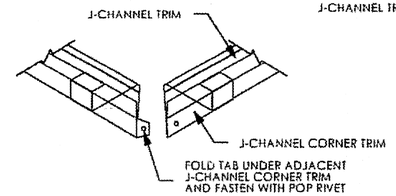
Call before you Dig. CALL 811 EMERGENCY SERVICE ALERT 1(844)

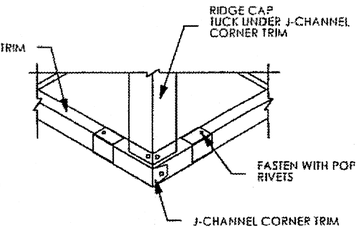
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Lorenzi Park-0317.jpg

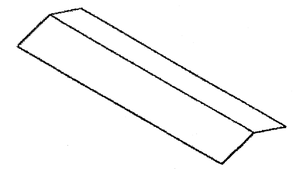


J-CHANNEL CORNER TRIM CONNECTION DETAILS

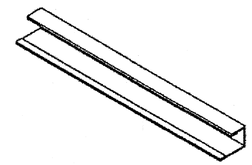




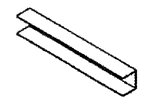
TRIM PIECE DESCRIPTIONS



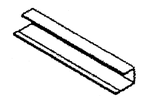
RIDGE CAP
10' LONG
COLOR ON TOP SIDE



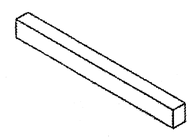
J-CHANNEL TRIM
10' LONG
COLOR ON OUTSIDE
GALVANIZED STEEL INSERT



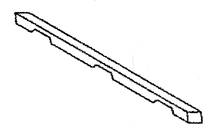
GALVANIZED SPLICE CHANNEL
8' LONG
GALVANIZED STEEL



J-CHANNEL CORNER TRIM
8' LONG
COLOR ON OUTSIDE



SELF ADHISIVE
FOAM CLOSURE
13' LONG ROLL



FOAM OUTSIDE
CLOSURE
3' LONG SECTIONS

NOTE
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NOTE: REMOVE ALL PROTECTIVE PLASTIC FROM TRIM PARTS BEFORE INSTALLING.

NOTE: FOR SECTION VIEWS OF THE ROOF, REFER TO THE ROOF CONNECTION DETAIL SHEET.

NOTE:
MANUFACTURERS DRAWINGS

RECORD
AS-BUILT

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by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

PROJECT:
DRAWING: ROOF INSTALLATION
PROJECT LOCATION: LAS VEGAS, NV
CAD MODEL: RAM 24x44MR-B2-47528
SHEET: RAM

CREATION DATE: 8/19/2008
JOB NO: 47528
PRINT DATE: 9/2/2010
DRAWN BY: A
REV LEVEL: 1:1
SCALE:

Call before you OVERHEAD 1-702-221-2929 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT
Call before you Dig. CALL 811 NEVADA ONE CALL NEVADA ALERT CENTER

LAS VEGAS NV
3191 E. JONES BLVD., LAS VEGAS, NV 89146
PH: 702.228.3883 FX: 702.253.1818
CARLSBAD CA
2246 FARADAY AVE. | CARLSBAD, CA 92008
JWZUNINO LANDSCAPE ARCHITECTURE

REVISIONS

CONSULTANT

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
24'X44' SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER J. ZUNINO 733 Expires: 6/30/12 STATE OF NEVADA

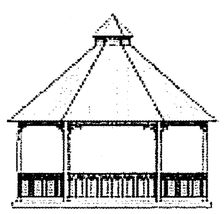
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DEPARTMENT OF PUBLIC WORKS

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LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
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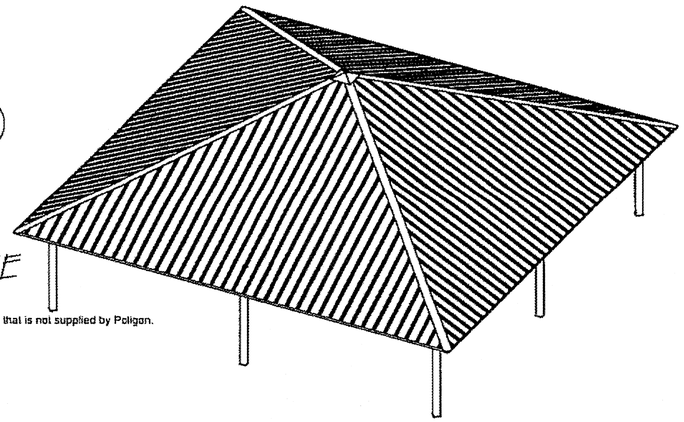
DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/21/2011
SCALE	AS NOTED
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L12.11

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Copyright laws protect the style and visual appearance of the structure while patents may protect other parts of the design.

BUILDING TYPE: SQUARE 40 w/ MULTI RIB ROOF

JOB NUMBER: 47525

MATERIALS	ASTM DESIGNATION
TUBE STEEL	A-500 GRADE B
LIGHT GAGE COLD FORMED	A-570 GRADE 55
STRUCTURAL STEEL PLATE	A-36
ROOF PANELS (STEEL)	A-446
ANCHOR BOLTS	A-307

HIGH STRENGTH BOLTING
ALL HIGH STRENGTH BOLTS ARE A325 WITH HEAVY HEX NUTS AND ARE TO BE INSTALLED BY THE " SNUG-TIGHT " METHOD SPECIFIED IN THE THIRTEENTH EDITION OF THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" PER SECTION 8 D (1). A325 BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE " SNUG-TIGHT " METHOD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO INSURE PROPER TIGHTNESS.

ALL WELDING IS PERFORMED BY AWS CERTIFIED WELDERS AND CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED.

IF THESE DRAWINGS ARE SEALED, THE SEAL APPLIES ONLY TO THE MATERIALS SUPPLIED BY POLIGON AND PORTERCORP AND IS NOT INTENDED AS THE SEAL OF THE ENGINEER OF RECORD FOR THE ENTIRE PROJECT.

PARTS SHOWN MAY BE UPGRADED DUE TO STANDARDIZED FABRICATION. REFER TO THE SHIPPING BILL OF MATERIALS FOR POSSIBLE SUBSTITUTIONS

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT THE PRIMARY FRAME INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM FIVE (5) YEARS DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT ELECTRIC WIRING, IF REQUIRED, IS RAN THROUGH THE STRUCTURAL MEMBERS BEFORE THE BUILDING IS ERECTED.

FABRICATOR APPROVALS
CITY OF LOS ANGELES, CA APPROVED FABRICATOR #1596
CITY OF HOUSTON, TX APPROVED FABRICATOR #470
CITY OF RIVERSIDE APPROVED FABRICATOR #SP06-0033
STATE OF UTAH APPROVED FABRICATOR 02008-14
CLARK COUNTY NEVADA APPROVED FABRICATOR #264

CERTIFICATES
MIAMI-DADE COUNTY CERTIFICATE OF COMPETENCY NO. 09-0804.03

2006 International Building Code

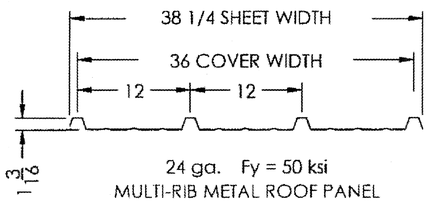
WEIGHT OF ROOFING SYSTEM:
DOWNWARD FORCE: 6 PSF
UPLIFT: 2 PSF

ROOF LIVE LOAD: 20 PSF

SNOW LOAD:
GROUND SNOW LOAD: 10 PSF
SNOW EXPOSURE FACTOR: 1.0
SNOW LOAD IMPORTANCE FACTOR: 1.0
THERMAL FACTOR: 1.2

WIND LOAD:
BASIC WIND SPEED: 90 MPH
GUST EFFECT FACTOR (G): 0.85
WIND IMPORTANCE FACTOR: 1.0
INTERNAL PRESSURE COEFFICIENT: 0
WIND EXPOSURE: C

SEISMIC DESIGN:
ORDINARY STEEL MOMENT FRAMES
SEISMIC IMPORTANCE FACTOR: 1.0
SEISMIC DESIGN CATEGORY: D
SEISMIC SITE CLASS: D
OCCUPANCY CATEGORY: II



24 ga. Fy = 50 ksi
MULTI-RIB METAL ROOF PANEL

PROJECT NAME: LORENZI PARK

PROJECT LOCATION: LAS VEGAS, NV

DRAWING LIST:

SHEET NUMBER	DRAWING DESCRIPTION
CS	COVER SHEET
1	ANCHOR LAYOUT
1.1	FOOTING DETAILS
2	STRUCTURAL FRAMING PLAN
2.1	FRAME CONNECTION DETAILS
2.2	FRAME CONNECTION DETAILS (CONTINUED)
2.3	FRAME CONNECTION DETAILS (CONTINUED)
3	ARCHITECTURAL ELEVATIONS
4	PRIMARY ROOF LAYOUT
5	ROOF CONNECTION DETAILS
SQR	ROOF INSTALLATION

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NOTE:
MANUFACTURERS DRAWINGS

RECORD
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by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

CREATION DATE: 6/24/2009
JOB NO: 47525
DRAWN BY:
REV LEVEL: A
PRINT DATE: 8/31/2010
SCALE: 1:130

PROJECT: 47525-B2-47525
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: COVER SHEET
CAD MODEL: SQR-40-MR-F1-B2-47525

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SHEET
CS

REVISIONS

CONSULTANT
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CARLSBAD CA
2240 FARADAY AVE | CARLSBAD, CA 92008
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NV #1001 | LIC #2927 | AZ #32156 | CA #2738 | TX #1138

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
40'X40' SHADE STRUCTURE

STAMP
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
733
Expires 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702)229-6535
FAX: (702)382-3232
TDD: (702)386-9108

DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L13.01

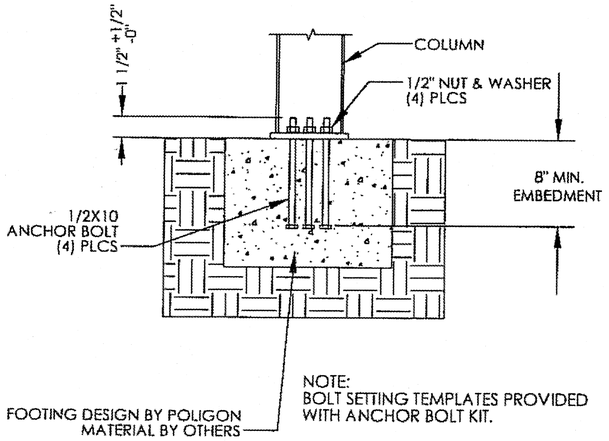
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Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT (USA)

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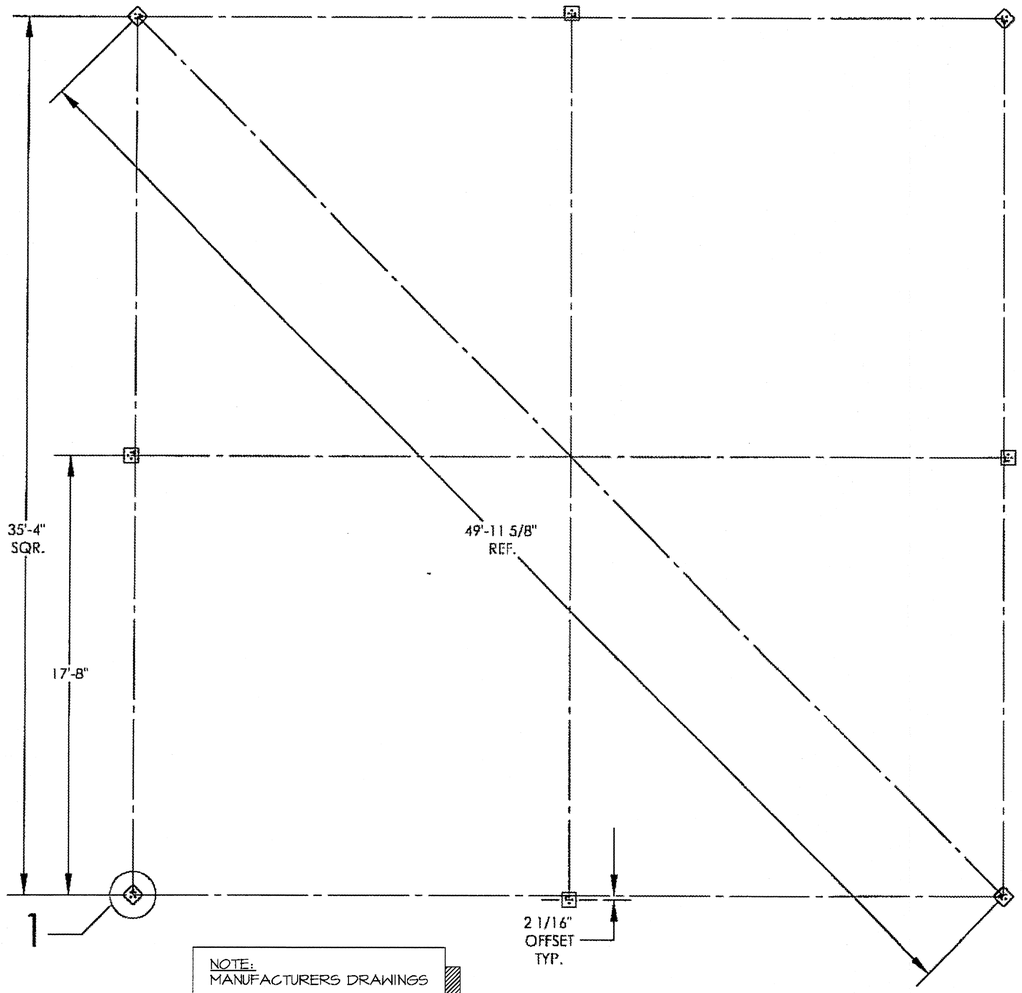


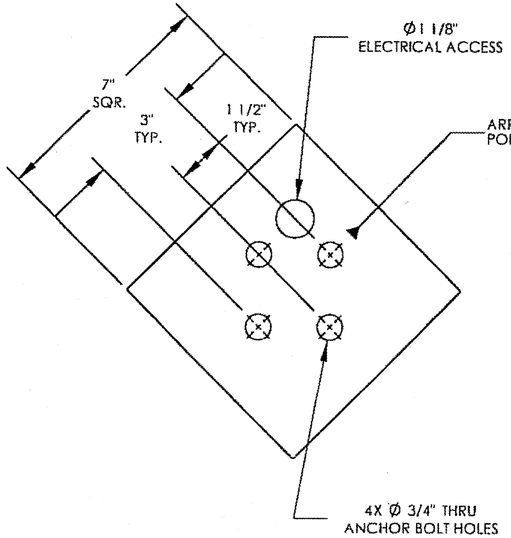
NOTE:
BOLT SETTING TEMPLATES PROVIDED WITH ANCHOR BOLT KIT.

NOTE:
THE EDGE OF CONCRETE HAS BEEN TAKEN AS OF 12 INCHES FROM CENTER OF COLUMN FOR ALL DESIGN VALUES FOR THE ANCHOR BOLTS.
IF THERE IS LESS CONCRETE COVER THAN THE 12 INCHES. THE POLIGON ENGINEERING DEPARTMENT MUST BE CONSULTED.

NOTE:
1/2"Ø SIMPSON SET OR 1/2"Ø HILTI HY-150 EPOXY ANCHORS ARE ACCEPTABLE SUSTITUTIONS FOR THE 1/2" X 10" ANCHOR BOLTS. EPOXY BOLTS ARE TO BE FULLY THREADED, A36 OR EQUIVALENT, WITH A MINIMUM OF 6-3/8" EMBEDMENT.

ELECTRICAL ACCESS HOLE IS ALWAYS LOCATED IN THE COLUMN BASE PLATE AS SHOWN. BE SURE TO KEEP THE ANCHOR BOLT TEMPLATE PROPERLY ORIENTED WHEN ELECTRICAL ACCESS TO THE COLUMN IS REQUIRED. TEMPLATE MUST BE REMOVED BEFORE INSTALLING COLUMNS.





1 ANCHOR BOLT PATTERN
BASE PLATE SIZE: 7 x 7 x 1/2

DETAIL 1
SCALE 1 : 4

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5. CONTRACTOR TO COMPLY WITH ALL ADA ACCESSIBILITY REQUIREMENTS.
6. SLAB MUST NOT BE POURED MONOLITHIC WITH SHADE STRUCTURE FOOTINGS. FOR ELECTRICAL CONDUIT AND SLEEVING INFORMATION SEE SHEETS E68, E69, AND S6.02.

NOTE:
MANUFACTURERS DRAWINGS

COLUMN/S C1			
Summary: Foundation Design Loads	REACTION TYPE	Force	Unit
	Vertical Dead Load (+)	2.8	kip
	Max. Vertical Uplift Force (-)	-2.3	kip
	Max. Vertical Downward Force (+)	8.8	kip
	Max. Horizontal Shear Force (+/-)	0.6	kip
	Max. Overturning Moment (+/-)	0.0	kip-ft

NOTE:
THE STRUCTURE HAS BEEN DESIGNED AS A OPEN STRUCTURE (NO WALLS) UNLESS NOTED OTHERWISE. IF WALLS ARE TO BE ADDED TO THE STRUCTURE THE POLIGON ENGINEERING DEPARTMENT MUST BE CONSULTED.

RECORD AS-BUILT

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PROJECT: LORENZI PARK
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: ANCHOR LAYOUT
CAD MODEL: SQR-40-MR-F1-B2-47525

CREATION DATE: 6/24/2009
JOB NO: 47525
DRAWN BY:
REV LEVEL:
PRINT DATE: 8/31/2010
SCALE: 1:50
A

SHEET 1

LAS VEGAS NV
3191 S JONES BLVD. LAS VEGAS, NV 89146
T 702.253.8330 F 702.253.1818
CARLSBAD CA
2248 FARADAY AVE. CARLSBAD, CA 92008
JWZunino.com
NV #1541 LIC #30044 | NM #3055 | AZ #30134 | CA #31138 | TX #7196
JW ZUNINO
LANDSCAPE ARCHITECTURE

REVISIONS

CONSULTANT

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
40'X40' SHADE SHELTER

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REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANGHAM 733 Expires 6/30/12 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

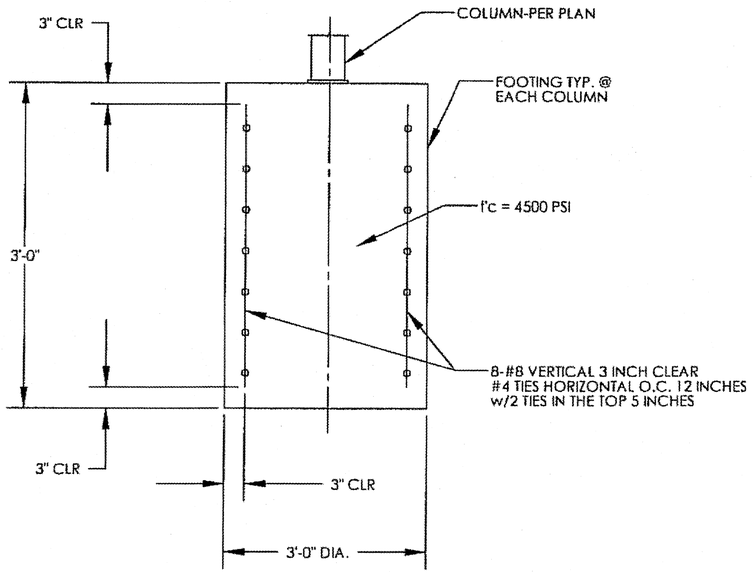
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/21/2011
SCALE	AS NOTED
BID NO	10.153.41.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L13.02

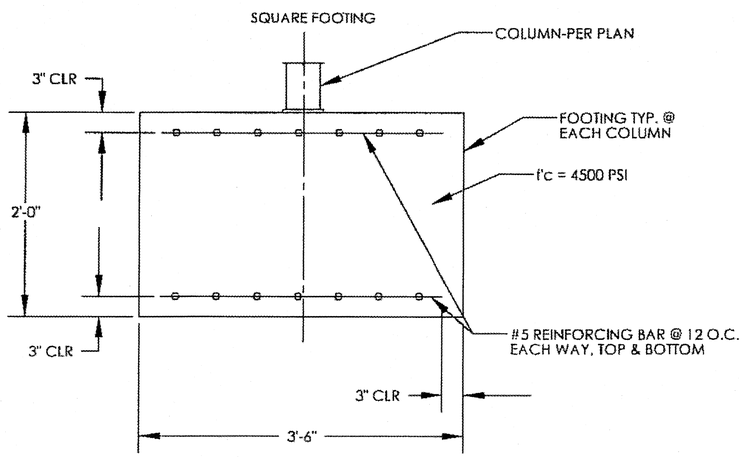
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Call before you Dig. CALL 811 ARIZONA BLUE STAKE, INC.

Lorenzi Park-0314.dwg PRINTED ON RECYCLED PAPER

NOTES:
1. PROVIDE PLYWOOD COLLAR AROUND FOOTING HOLE TO PREVENT DIRT FROM FALLING IN THE HOLE.
2. VIBRATE CONCRETE FULL DEPTH OF FOOTING.



DRILLED PIER FOOTING



FOUNDATION NOTES:
1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE BUILDING CODE, AMERICAN CONCRETE INSTITUTE, AND ALL APPLICABLE STATE & LOCAL ORDINANCES AND REQUIREMENTS.
2. THE CONCRETE DESIGN IS BASED ON A 28-DAY STRENGTH OF 4500 PSI.
3. ANCHOR BOLTS SHALL BE A307 QUALITY AND RECOMMENDED TO BE THE "HEADED" TYPE BOLT IF NOT USING THE ANCHORS SUPPLIED BY THE MANUFACTURER OF THE SHELTER.
4. THE SPREAD FOOTING SHALL BEAR ON COMPETENT UNDISTURBED SOIL OR 95% COMPACTED FILL. IF SIGNS OF ORGANIC MATERIAL, UNCONTROLLED FILL, CLAY OR SILT, HIGH WATER TABLE OR OTHER POSSIBLE DETRIMENTAL CONDITIONS ARE FOUND, INSTALLATION OF THE FOUNDATION MUST BE DISCONTINUED AND A SOILS ENGINEER CONTACTED. THE SOILS ENGINEER MUST THEN EVALUATE THE SOIL PROPERTIES BEFORE THE FOUNDATION CAN BE INSTALLED. A LOCAL FOUNDATION DESIGN ENGINEER MUST THEN REDESIGN THE FOUNDATION BASED ON THE NEW SOILS CONDITION.
5. THE REINFORCING STEEL SHALL BE NEW AND UNUSED AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615, GRADE 60.
6. IF FOOTING DEPTH SHOWN DOES NOT MEET LOCAL FROST REQUIREMENTS, FOOTINGS SHALL BE RE-DESIGNED UNDER THE DIRECTION OF A LOCAL ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCAL FROST LINE DEPTH BELOW GRADE PRIOR TO CONSTRUCTION.

THE FOUNDATION DESIGN CONTAINED HEREIN IS NOT SITE SPECIFIC, BUT BASED ON TABLE 1804.2 OF THE BUILDING CODE, CLASS 5 SOIL MATERIAL. THE BUILDING OFFICIAL IN THE JURISDICTION OF WHICH THIS STRUCTURE IS LOCATED, MAY REQUIRE THAT A SITE SPECIFIC GEOTECHNICAL REPORT BE PROVIDED AND BE INCORPORATED IN THE SUBMITTAL DOCUMENTS.

NOTE
1. CONTRACTOR TO SUBMIT FULLY ENGINEERED (INCLUDING REQUIRED FOOTINGS), STAMPED, BY A NEVADA REGISTERED ENGINEER , SHOP DRAWINGS TO CITY OF LAS VEGAS FOR PERMITTING. OWNER WILL NOT CONSIDER CLAIMS FOR VARIATIONS FROM THE SHOWN DESIGN COMPARED TO THE SHOP DRAWINGS REQUIRED BY CODE, BUILDING OFFICIALS, CONTRACTOR'S DESIGN ENGINEER, OR OTHERS, UNLESS THE CHANGE IS A DESIGN INTENT DEVIATION FROM THE CONTRACT DOCUMENTS REQUIRED IN WRITING BY THE OWNER
2. DESIGN, SIZING, MATERIALS, ETC. ARE TO BE PER MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.
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NOTE:
MANUFACTURERS DRAWINGS

RECORD
AS-BUILT

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CREATION DATE: 6/24/2009
DRAWN BY:
PRINT DATE: 8/31/2010
JOB NO: 47525
REV LEVEL: A
SCALE: 1:1

PROJECT: -F1-B2-47525
PROJECT LOCATION: LAS VEGAS, NV
CAD MODEL: SQR-40-MR-F1-B2-47525
DRAWING: FOOTING DETAILS

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SHEET
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40'X40' SHADE SHELTER

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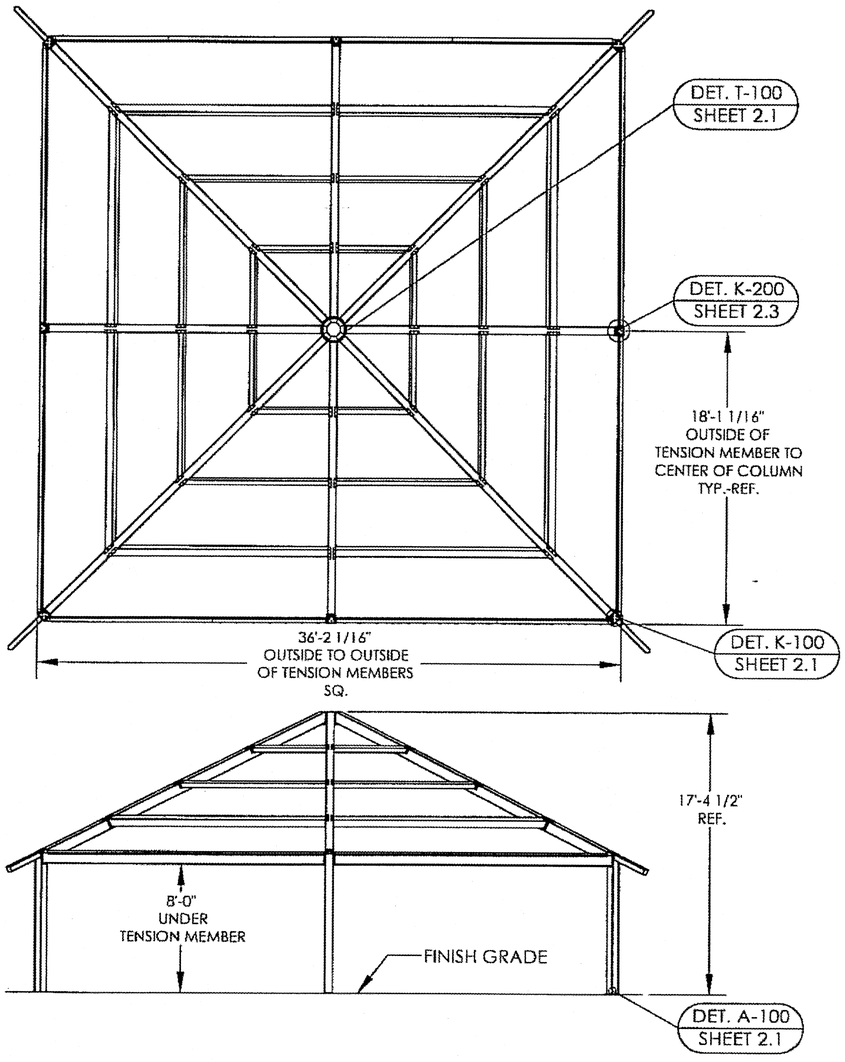
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CHRISTOPHER J. LANGHAM
733
Expires 6/30/12
STATE OF NEVADA

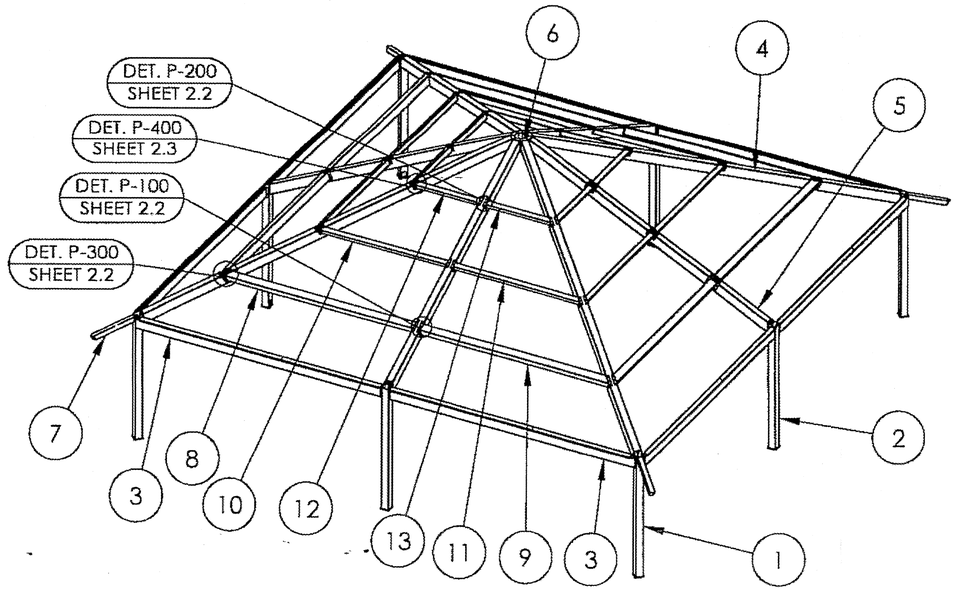
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DEPARTMENT OF PUBLIC WORKS

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FAX: (702) 382-9232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/7/2011
SCALE	AS NOTED
BID NO	10153104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L13.03

Lorenzi Park-031511
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ITEM	FRAME/QTY.	Part No.	Description	Material
13	4	-	RH UPR PUR ASM	-
12	4	-	LH UPR PUR ASM	-
11	4	-	RH MID PUR ASM	-
10	4	-	LH MID PUR ASM	-
9	4	-	RH LWR PUR ASM	-
8	4	-	LH LWR PUR ASM	-
7	4	-	T-TAIL ASM	-
6	1	-	C-RING ASM	-
5	4	-	MID TRUSS ASM	-
4	4	-	CNR TRUSS ASM	-
3	8	-	T-MEM ASM	-
2	4	-	MID COL ASM.HSS6X6X3/16.106.5"L	HSS6"X6"X.188
1	4	-	COLUMN ASM.HSS6X6X3/16.106.019"L	HSS6"X6"X.188

NOTE
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WARNING:
ANY VARIATION IN THE ELEVATIONS AS SHOWN AND APPROVED HEREIN MAY RESULT IN THE WITHHOLDING OF FINAL APPROVAL AND/OR A CERTIFICATE OF OCCUPANCY UNTIL SUCH TIME AS THE BUILDING OR STRUCTURE CONFORMS TO THE PLANS AND ELEVATIONS AS APPROVED.

NOTE:
MANUFACTURERS DRAWINGS

RECORD
AS-BUILT

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PRINT DATE: 8/31/2010
SCALE: 1:100
CREATION DATE: 6/24/2009
DRAWN BY:
JOB NO: 47525
REV LEVEL: A
PROJECT LOCATION: LAS VEGAS, NV
CAD MODEL: SQR-40-MR-F1-B2-47525
DRAWING: STRUCTURAL FRAMING PLAN
SHEET 2

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Elevation - Shade Structure 9.14.11

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LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
40'X40' SHADE SHELTER

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. ZUNINO
739
Expires: 6/30/12
STATE OF NEVADA

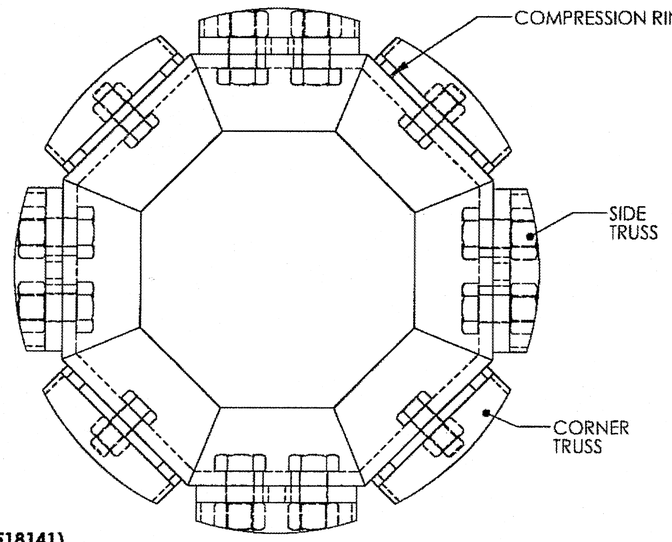
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

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PHONE: (702) 229-6535
FAX: (702) 382-3252
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FILE	136-DT-Poligon
DATE	6/21/2011
SCALE	AS NOTED
BID NO	10153A104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L13.04

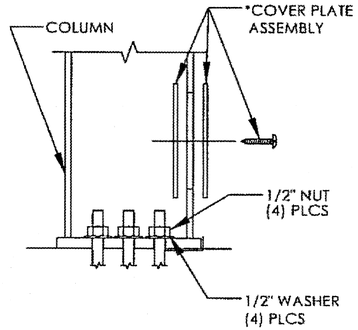
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NOTE:
COVER PLATE (518141)
ATTACHED WITH 1X1/4"(030026)
SELF TAPPING SCREWS

TRUSS CONNECTION @ COMPRESSION TUBE | T-100



*COVER PLATE ASSEMBLY CONSISTING OF:
(1) PLATE (231-0380)
(1) STRAP (231-0381)
(1) SCREW (030015)

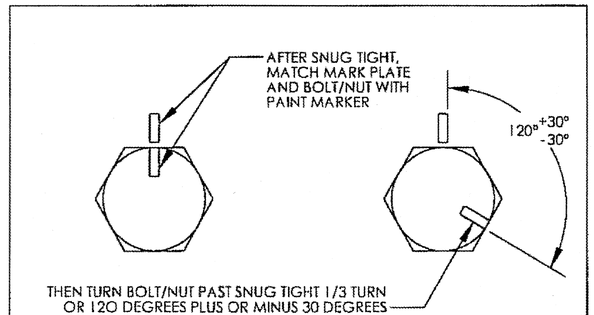
SECTION - ANCHOR BOLT AT COLUMN | A-100

NOTES:
ALL HIGH STRENGTH BOLTS ARE A-325 BOLTS AND TO BE INSTALLED BY THE "SNUG-TIGHT" METHOD AS SPECIFIED IN THE 13TH EDITION OF THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", SECTION 8 D (1). A-325 BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE "SNUG-TIGHT" METHOD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO INSURE PROPER TIGHTNESS. THIS METHOD IS ONLY REQUIRED ON 5/8" DIAMETER AND LARGER BOLTS. ANCHOR BOLTS NEED NOT BE TIGHTENED PAST SNUG TIGHT.

LOCAL JURISDICTIONS MAY REQUIRE AN INSPECTOR TO BE PRESENT TO WITNESS HARDWARE INSTALLATION AND INDEPENDENT TESTING. INSPECTION REQUIREMENTS SHOULD BE VERIFIED PRIOR TO STEEL ERECTION. SEE FIGURE BELOW FOR PROPER HIGH STRENGTH BOLT INSTALLATION.

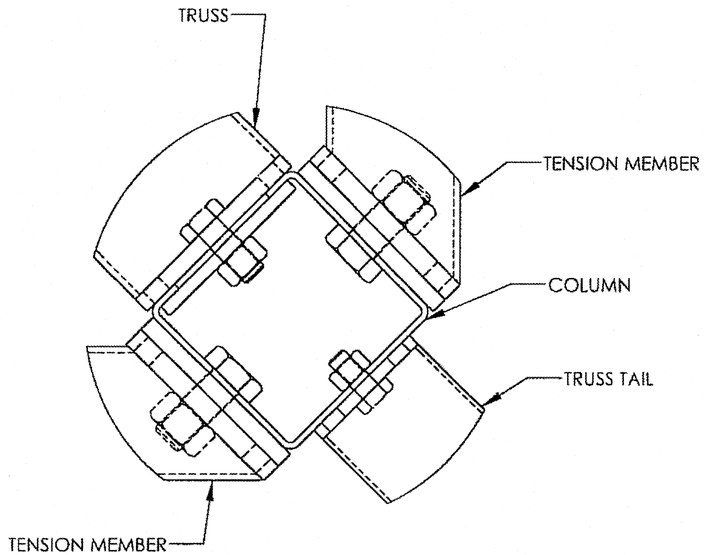
ERECTION OF THE FRAMING MEMBERS WILL REQUIRE THE MAIN COLUMNS TO BE PLUMB SQUARE AND TIGHTENED TO THE TRUSSES AND TENSION MEMBERS BEFORE INSTALLING THE PURLINS. PURLINS, IF REQUIRED, MUST BE PARALLEL TO THE EAVE BEAMS AND TENSION MEMBERS.

UNLESS THE BUILDING HAS A FACTORY APPLIED POWDERCOAT, E-COAT OR GALVANIZING, THE FRAME WILL BE PRIME PAINTED AND WILL BE REQUIRED TO BE FINISH PAINTED IN THE FIELD WITH ALL PAINT, MATERIALS AND LABOR NOT BY POLIGON (PORTERCORP, INC). REFER TO FINAL SALES ORDER.



NOTE:
NUT OR BOLT ROTATION FROM SNUG-TIGHT CONDITION FOR All OF POLIGON'S CONNECTIONS IS 1/3 TURN (OR 120 DEGREES)

TOUCH-UP PAINT MUST BE APPLIED TO ALL EXPOSED BOLTS & NUTS. PERIODIC TOUCH-UP AT THESE BOLTED CONNECTIONS IS A MUST.



TRUSS, TENSION MEMBER, & TRUSS TAIL CONNECTION @ COLUMN | K-100

NOTE
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NOTE:
MANUFACTURERS DRAWINGS

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PRINT DATE: 8/31/2010
SCALE: 1:4
CREATION DATE: 6/24/2009
DRAWN BY:
JOB NO: 47525
REV LEVEL: A
PROJECT LOCATION: LAS VEGAS, NV
CAD MODEL: SQR-40-MR-F1-B2-47525
DRAWING: FRAME CONNECTION DETAILS
SHEET 2.1

Call before you OVERHEAD 1-702-227-2929 NEVADA POWER, ENVIRONMENT AND SAFETY SERVICES DEPARTMENT
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REVISIONS

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LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
40'X40' SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER JANGHAM 733 Expires 6/30/12 STATE OF NEVADA

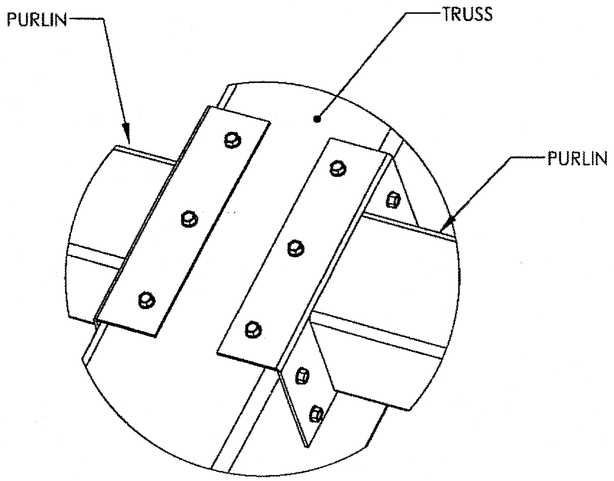
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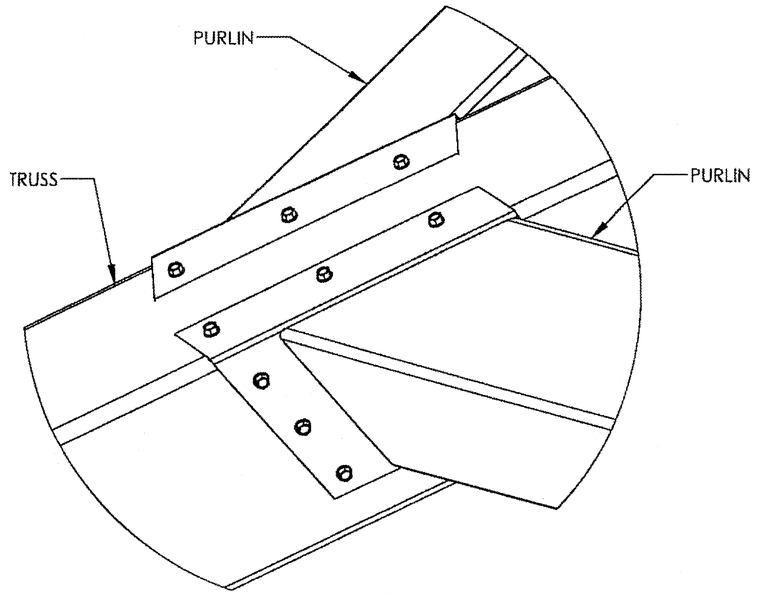
DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/21/2011
SCALE	AS NOTED
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L13.05

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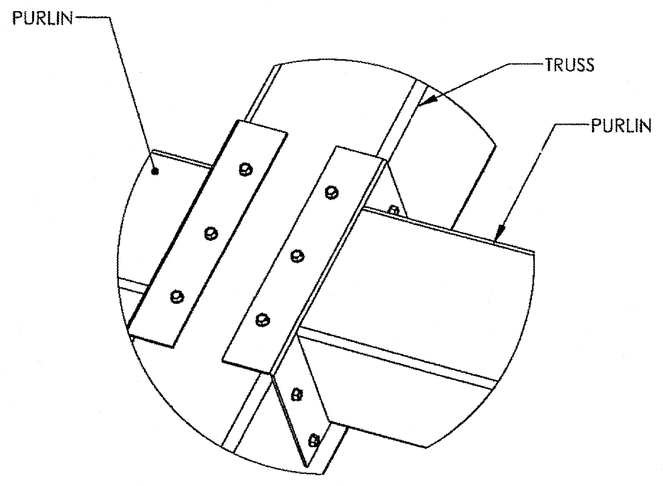
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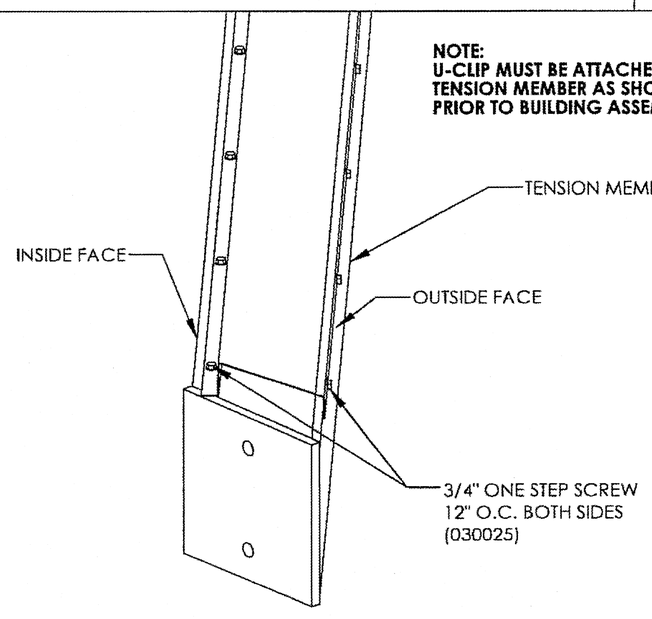
UPPER PURLIN CONNECTION @ MID TRUSS | P-200



LOWER PURLIN CONNECTION @ CORNER TRUSS | P-300



LOWER PURLIN CONNECTION @ MID TRUSS | P-100



U-CLIP CONNECTION AT T-MEMBER/C-MEMBER | UC-100

NOTE
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NOTE:
MANUFACTURERS DRAWINGS

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PROJECT:
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: FRAME CONNECTION DETAILS
CAD MODEL: SQR-40-MR-F1-B2-47525
CREATION DATE: 6/24/2009
JOB NO: 47525
SHEET 2.2

DRAWN BY:
REV LEVEL: A
PRINT DATE: 8/31/2010
SCALE: 1:5

LAS VEGAS, NV
3191 S. JONES BLVD. LAS VEGAS, NV 89146
T. 702.255.1338 F. 702.255.1015
CARLSBAD, CA
2248 FARADAY AVE. | CARLSBAD, CA 92008
JWZunino.com | NV #1591 | CA #1258 | TX #1735
J.W. ZUNINO LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
40'X40' SHADE SHELTER

REVISIONS
CONSULTANT
STAMP
REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER J. KNIGHAM 783 Expires 2-28-12 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

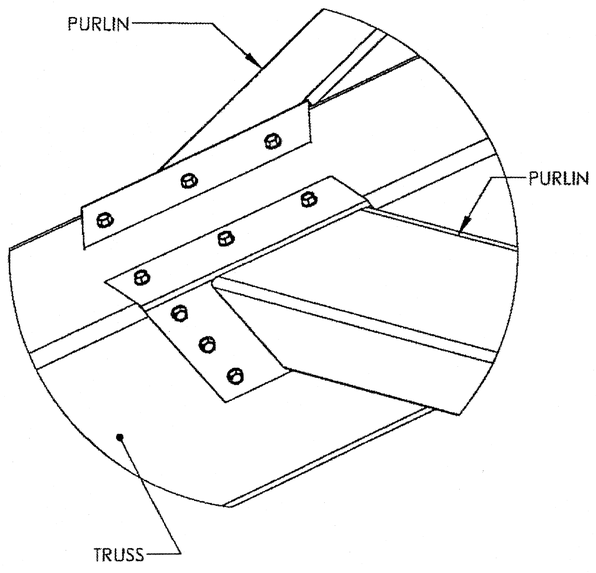
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FILE: 136-DT-Poligon
DATE: 6/21/2011
SCALE: AS NOTED
BID NO: 10.153.4104
CLV DWG NO: 650.19-47-2
MASSEN NO: 33039
SHT NO: L13.06

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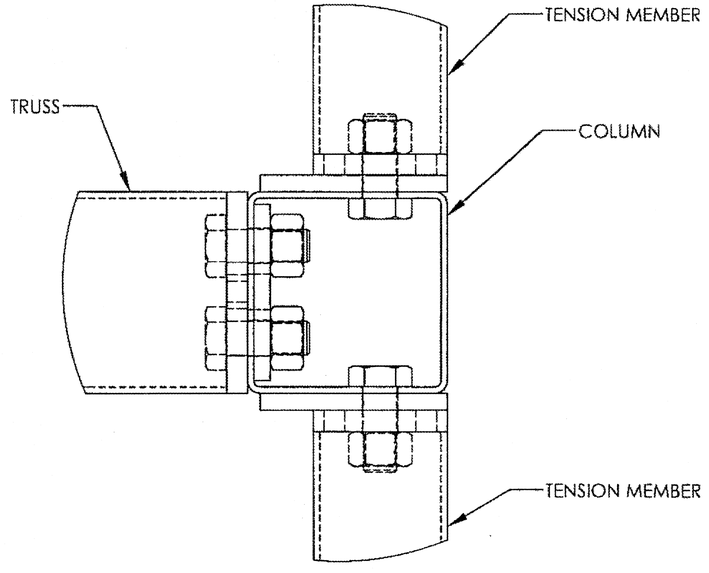
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Call before you Dig. CALL 811 UNDERGROUND SERVICE ALERT (USA)

Lorenzi Park-0318.tif
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UPPER PURLIN CONNECTION @ CORNER TRUSS | P-400



EAVE BEAM, MID TRUSS CONNECTION @ MID COLUMN | K-200

NOTE:
MANUFACTURERS DRAWINGS

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PRINT DATE: 8/31/2010
SCALE: 1:5
DRAWN BY:
REV LEVEL: A
CREATION DATE: 6/24/2009
JOB NO: 47525
CAD MODEL: SQR-40-MR-F1-B2-47525
PROJECT: LORENZI PARK
PROJECT LOCATION: LAS VEGAS, NV
DRAWING: FRAME CONNECTION DETAILS
SHEET 2.3

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CONSULTANT

LAS VEGAS NV
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
PH: 702.253.9288 | FX: 702.253.9818

CARLSBAD CA
2248 FARADAY AVE. | CARLSBAD, CA 92008

jwzunino.com | las vegas | las vegas, nv | 2006.09.14 | 2006.09.15
NV #1561 | LIC #35334 | NM #361 | AZ #35134 | CA #27338 | TX #11788

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LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
40'X40' SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
733
Expires: 6/30/12
STATE OF NEVADA

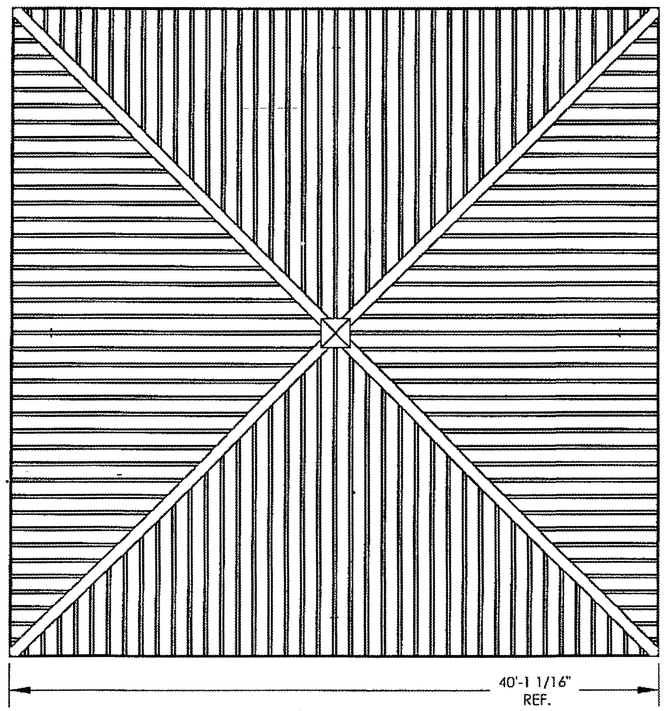
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

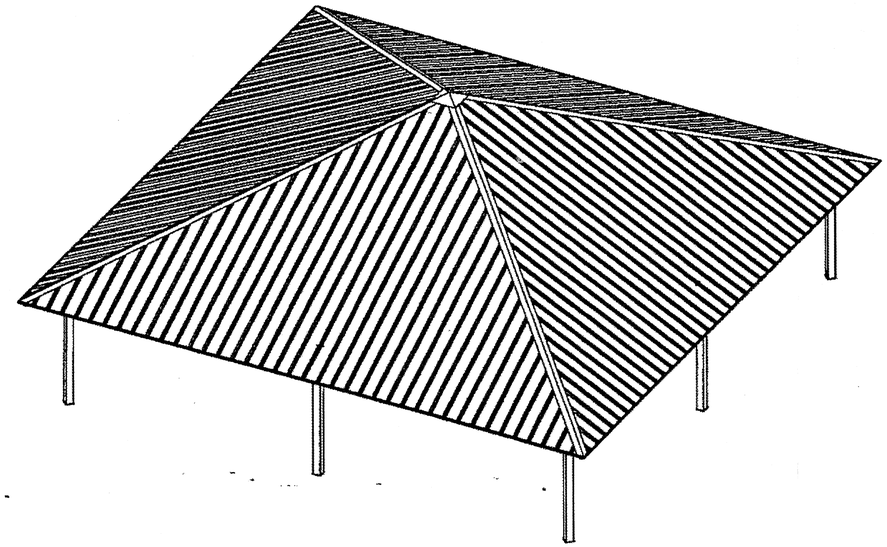
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PHONE: (702) 229-8535
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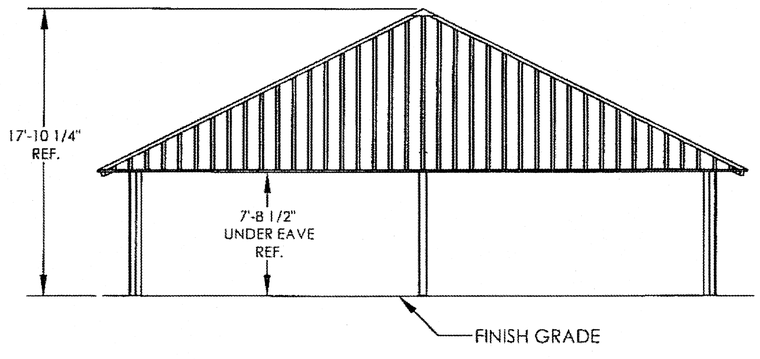
DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/21/2011
SCALE	AS NOTED
BID NO	10153410.4
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L13.07

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NOTE:
MANUFACTURERS DRAWINGS

RECORD
AS-BUILT

PLANS APPROVED
ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas, Nevada

DATE SEP 06 2011

Does Not Include Grading, Mechanical, Plumbing, Electrical, Site Improvements, Change Without Approval Plans Is Not a Permit to Violate Ordinances

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PROJECT:	
PROJECT LOCATION:	LAS VEGAS, NV
DRAWING:	ARCHITECTURAL ELEVATIONS
CAD MODEL:	SQR-40-MR-F1-B2-47525
SHEET	3

CREATION DATE:	6/24/2009
JOB NO:	47525
DRAWN BY:	
REV LEVEL:	A
PRINT DATE:	8/31/2010
SCALE:	1:100

SQR-F1-B2-47525

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CONSULTANT

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3191 S. JONES BLVD. LAS VEGAS, NV 89146
T.702.253.9330 F.702.253.1116

CARLSBAD CA
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LANDSCAPE ARCHITECTURE

Las Vegas, NV | Phoenix, AZ | Carlsbad, CA | Dallas, TX

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
40X40 SHADE SHELTER

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHORST
733
Expires: 12/31/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
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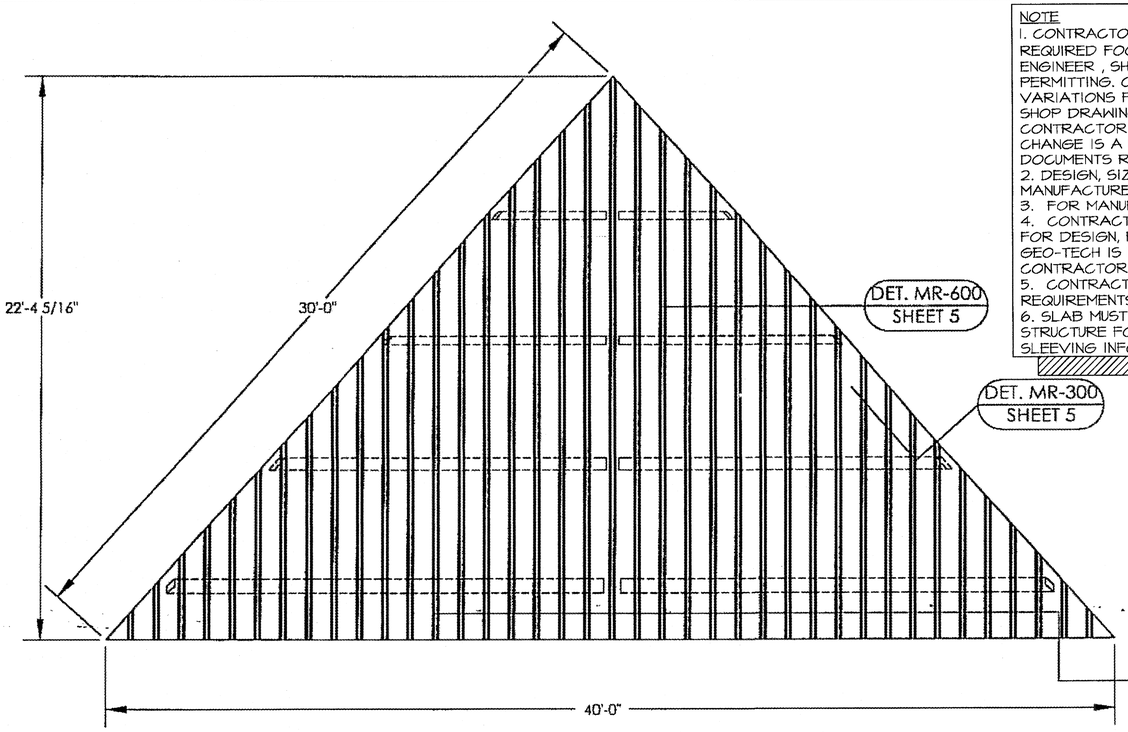
DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.1534104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L13.08

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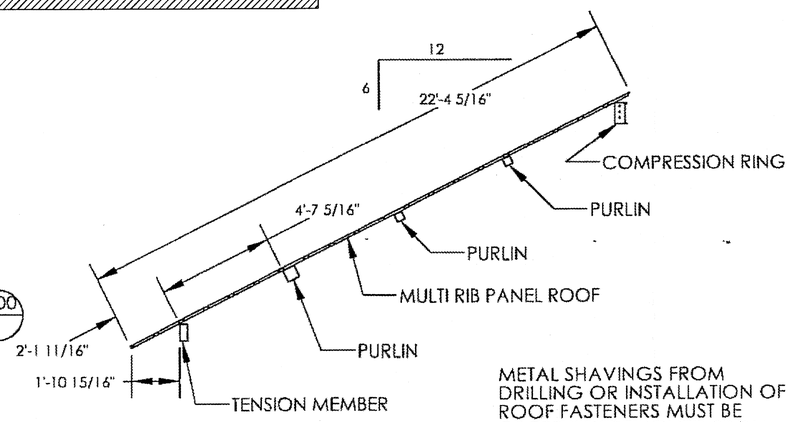


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NOTE:
MANUFACTURERS DRAWINGS

℄ OF PANEL RIB & FRAME.

TO BEGIN: Mark the center of the compression ring and tension ring. Locate one of the longest panels with center of panel at center of frame, and work out to corners. Complete each pie in this fashion.



METAL SHAVINGS FROM DRILLING OR INSTALLATION OF ROOF FASTENERS MUST BE CAREFULLY REMOVED FROM THE ROOF BY BRUSHING OR SWEEPING AT THE END OF EACH DAY DURING INSTALLATION.

SHAVINGS LEFT ON THE ROOF WILL QUICKLY RUST AND STAIN THE ROOF FINISH.

THE DETAILS SHOWN ARE SUGGESTIONS OR GUIDELINES ON HOW TO ERECT THE SYSTEMS. THE INFORMATION SHOWN IS ACCURATE, BUT IT IS NOT INTENDED TO COVER ALL INSTANCES, BUILDING REQUIREMENTS, DESIGNS OR CODES. THE DETAILS MAY REQUIRE CHANGES OR REVISIONS DUE TO FIELD CONDITIONS.

IT SHALL BE THE RESPONSIBILITY OF THE ERECTOR TO ENSURE THAT THE DETAILS MEET PARTICULAR BUILDING REQUIREMENTS AND TO ASSURE ADEQUATE WATER TIGHTNESS.

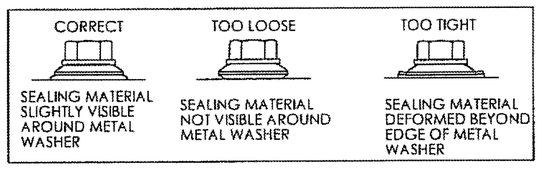
THE ERECTOR SHOULD THOROUGHLY FAMILIARIZE HIMSELF/HERSELF WITH ALL ERECTION INSTRUCTIONS BEFORE STARTING WORK.

THE PANELS SHOULD BE INSTALLED PLUMB, STRAIGHT, AND ACCURATELY TO THE ADJACENT WORK.

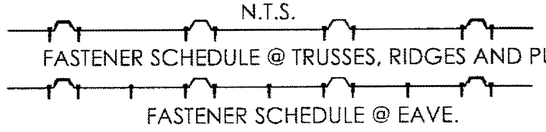
FLASHING AND TRIM SHALL BE INSTALLED TRUE, AND IN PROPER ALIGNMENT, WITH ANY EXPOSED FASTENERS EQUALLY SPACED FOR THE BEST APPEARANCE.

SEALANT SHALL BE FIELD APPLIED ON DRY, CLEAN SURFACES. SOME FIELD CUTTING AND FITTING OF PANELS AND FLASHING IS TO BE EXPECTED BY THE ERECTOR AND MINOR FIELD CORRECTIONS ARE A PART OF NORMAL ERECTION WORK.

WORKMANSHIP SHALL BE OF THE BEST INDUSTRY STANDARDS AND INSTALLATION SHALL BE PERFORMED BY EXPERIENCED METAL CRAFTSMEN.



Fastener Schedule
N.T.S.



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PROJECT: LORENZI PARK
PROJECT LOCATION: LAS VEGAS, NV
CAD MODEL: SQR-40-MR-F1-B2-47525
DRAWING: ROOF LAYOUT
SHEET 4

CREATION DATE: 6/24/2009
JOB NO: 47525
DRAWN BY:
REV LEVEL: A
PRINT DATE: 8/31/2010
SCALE: 1:64

J W ZUNINO
LANDSCAPE ARCHITECTURE
LAS VEGAS NV
3191 S. JONES BLVD. LAS VEGAS, NV 89146
T. 702.252.8588 F. 702.253.1016
CARLSBAD CA
2248 FARADAY AVE. | CARLSBAD, CA 92008
jwzunino.com

REVISIONS

CONSULTANT

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
40'X40' SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
738
Expires 6/30/12
STATE OF NEVADA

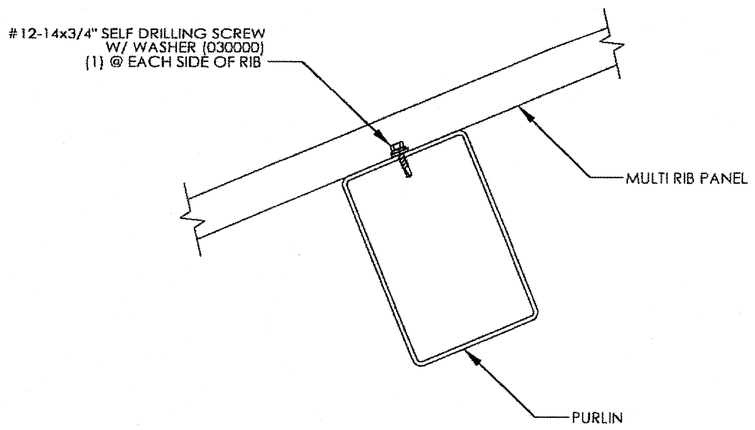
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/17/2011
SCALE	AS NOTED
BID NO	10.1531.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L13.09

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SECTION @ PURLIN | MR-600

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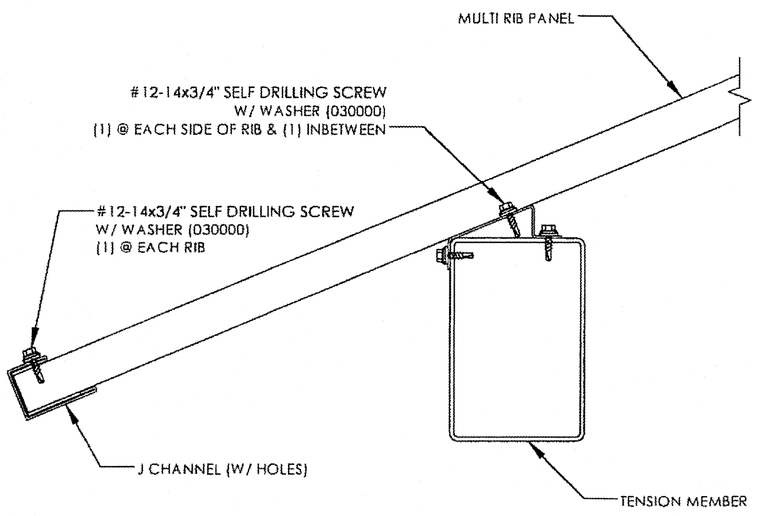
NOTE:
ATTACH ROOF PEAK CAP TO RIBS & RIDGE CAP WITH #12-14x3/4" SELF DRILLING SCREW. (030000)

030000
#12-14x3/4" SELF DRILLING SCREW.

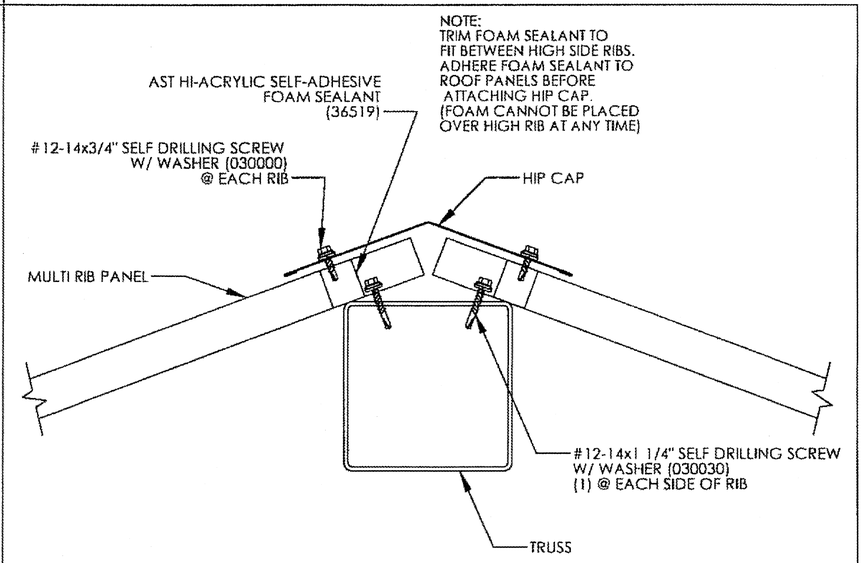
030030
#12-14x1 1/4" SELF DRILLING SCREW.
(NOTE: USE ONLY TO FASTEN ROOF AT THE RIDGE TO THE TRUSS OR RIDGE BEAM.)

030105
1/8"x" POP RIVET
USE TO ATTACH THE COVER PLATES.

NOTE:
ALL MATERIALS ARE CALLED OUT ON SHEET 4.



SECTION @ EAVE | MR-100



SECTION @ TRUSS | MR-300

RECORD AS-BUILT

THIS SEAL PERTAINS ONLY TO THE MATERIALS SUPPLIED BY POLIGON. THIS SEAL DOES NOT SERVE AS - OR REPRESENT - THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.

poligon ARCHITECTURE
800-354-7721
www.poligon.com
by PORTERCORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

PRINT DATE: 8/31/2010
SCALE: 1:1
DRAWN BY:
REV LEVEL: A
CREATION DATE: 6/24/2009
JOB NO: 47525
CAD MODEL: SQR-40-MR-F1-B2-47525
DRAWING: ROOF CONNECTION DETAILS
PROJECT LOCATION: LAS VEGAS, NV
PROJECT: LORENZI PARK
PATENTED AND/OR PATENTS PENDING COPYRIGHT 2006 PORTERCORP HOLLAND, MI 49424
SHEET 5

LAS VEGAS NV
3191 S. JONES BLVD. LAS VEGAS, NV 89146
T. 702.253.9388 | F. 702.253.1818
CARLSBAD CA
2248 FARADAY AVE. | CARLSBAD, CA 92008
jwzunino.com | NV #361 LIC #3361 | AZ #3361 | CA #3361 | TX #7361
CONSULTANT
J W ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
40'X40' SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANGHAM 738 Exp. 6/30/12 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

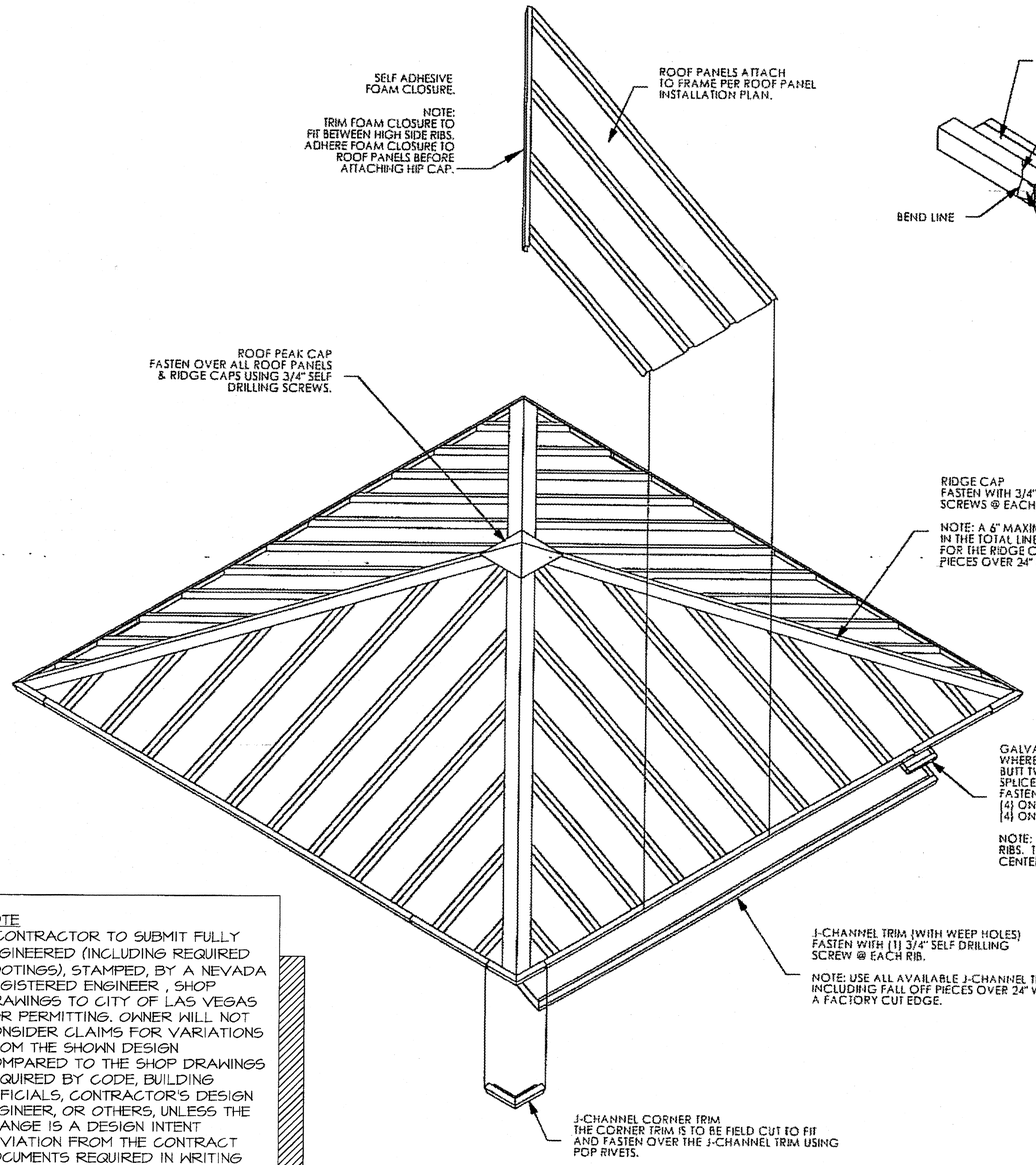
DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.1534.104
CLV DWG NO	650.19-47-2
MANSEN NO	33039
SHT NO	L13.10

REVISIONS
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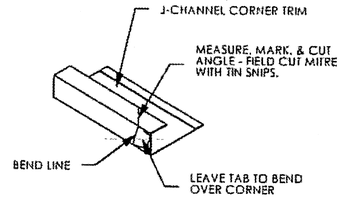
Call before you OVERHEAD 1-702-227-2929
Call before you Dig. CALL 811

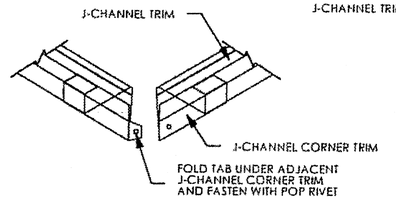
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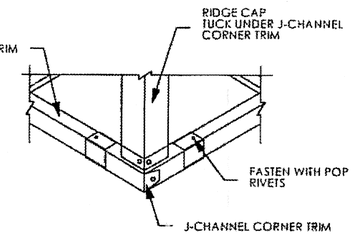
Lorenzi Park-0322.ifc



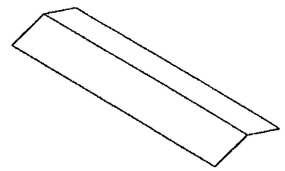
J-CHANNEL CORNER TRIM CONNECTION DETAILS







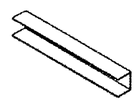
TRIM PIECE DESCRIPTIONS



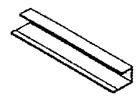
RIDGE CAP
10' LONG
COLOR ON TOP SIDE



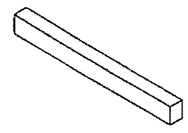
J-CHANNEL TRIM
10' LONG
COLOR ON OUTSIDE
GALVANIZED STEEL INSERT



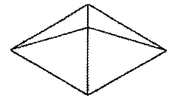
GALVANIZED SPLICE CHANNEL
8' LONG
GALVANIZED STEEL



J-CHANNEL CORNER TRIM
8' LONG
COLOR ON OUTSIDE



SELF ADHESIVE FOAM CLOSURE
13' LONG ROLL



ROOF PEAK CAP
COLOR ON TOP SIDE

NOTE
1. CONTRACTOR TO SUBMIT FULLY ENGINEERED (INCLUDING REQUIRED FOOTINGS), STAMPED, BY A NEVADA REGISTERED ENGINEER , SHOP DRAWINGS TO CITY OF LAS VEGAS FOR PERMITTING. OWNER WILL NOT CONSIDER CLAIMS FOR VARIATIONS FROM THE SHOWN DESIGN COMPARED TO THE SHOP DRAWINGS REQUIRED BY CODE, BUILDING OFFICIALS, CONTRACTOR'S DESIGN ENGINEER, OR OTHERS, UNLESS THE CHANGE IS A DESIGN INTENT DEVIATION FROM THE CONTRACT DOCUMENTS REQUIRED IN WRITING BY THE OWNER

NOTE: REMOVE ALL PROTECTIVE PLASTIC FROM TRIM PARTS BEFORE INSTALLING.

NOTE: FOR SECTION VIEWS OF THE ROOF, REFER TO THE ROOF CONNECTION DETAIL SHEET.

NOTE
2. DESIGN, SIZING, MATERIALS, ETC. ARE TO BE PER MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.
3. FOR MANUFACTURER SEE SHEET L17.01-L17.02
4. CONTRACTOR IS RESPONSIBLE FOR ALL ASSOCIATED FEES FOR DESIGN, REVIEW, AND PERMITTING. IF ADDITIONAL GEO-TECH IS NEEDED THAT IS NOT PROVIDED IN DOCUMENTS, CONTRACTOR IS TO PROVIDE.
5. CONTRACTOR TO COMPLY WITH ALL ADA ACCESSIBILITY REQUIREMENTS.
6. SLAB MUST NOT BE POURED MONOLITHIC WITH SHADE STRUCTURE FOOTINGS. FOR ELECTRICAL CONDUIT AND SLEEVING INFORMATION SEE SHEETS E68, E69, AND S6.02.

RECORD AS-BUILT

NOTE:
MANUFACTURERS DRAWINGS

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PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

PRINT DATE: 8/31/2010
SCALE: 1:1
DRAWN BY:
REV LEVEL: A
CREATION DATE: 6/24/2009
JOB NO: 47525
PROJECT: LORENZI PARK RENOVATION PHASE 2
PROJECT LOCATION: LAS VEGAS, NV
CAD MODEL: SQR-40-MR-F1-B2-47525
DRAWING: ROOF INSTALLATION
SHEET SQR

LAS VEGAS NV
3191 S JONES BLVD. LAS VEGAS, NV 89146
T: 702.253.9388 F: 702.253.1015
CARLSBAD CA
2248 FARADAY AVE. CARLSBAD, CA 92008
JWZUNINO LANDSCAPE ARCHITECTURE
NV #760 | UT #9284 | NM #392 | AZ #35184 | CA #2938 | TX #1758

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
40'X40' SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT CHRISTOPHER LANGHAM 733 STATE OF NEVADA Expires: 6/30/12

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
FILE	136-DT-Poligon
DATE	6/21/2011
SCALE	AS NOTED
BID NO	101.5341.04
CLV DWG NO	650.19-47-2
MANSEN NO	33039
SHT NO	L13.11

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Call before you Dig. CALL 811 NEVADA ONE-CALL

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parasol™

FABRIC ARCHITECTURE

A Division of PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424 (616) 399-1963

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Copyright laws protect the style and visual appearance of the structure while patents may protect other parts of the design.

BUILDING TYPE: FHP30X30-8SM-16E

PROJECT NUMBER: Y981

PROJECT NAME: LORENZI PARK

PROJECT LOCATION: LAS VEGAS, NV

DESIGN CRITERIA: SEE CALCS

DRAWING NOTES

MATERIALS	ASTM DESIGNATION
TUBE STEEL	see calculations
LIGHT GAGE COLD FORMED	see calculations
STRUCTURAL STEEL PLATE	A-36

HIGH STRENGTH BOLTING
ALL HIGH STRENGTH BOLTS ARE A-325 WITH HEAVY HEX NUTS AND ARE TO BE INSTALLED BY THE "TURN-OF-THE-NUT" METHOD SPECIFIED IN THE NINTH EDITION OF THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" PER SECTION 8 D (1). A-325 BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE "TURN-OF-THE-NUT" METHOD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO INSURE PROPER TIGHTNESS.

ALL WELDING IS PERFORMED BY AWS CERTIFIED WELDERS AND CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED.

IF THESE DRAWINGS ARE SEALED, THE SEAL APPLIES ONLY TO THE MATERIALS SUPPLIED BY PARASOL AND PORTERCORP AND IS NOT INTENDED AS THE SEAL OF THE ENGINEER OF RECORD FOR THE ENTIRE PROJECT.

PARTS SHOWN MAY BE UPGRADED DUE TO STANDARDIZED FABRICATION. REFER TO THE SHIPPING BILL OF MATERIALS FOR POSSIBLE SUBSTITUTIONS.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS REQUIRED THAT THE PRIMARY FRAMING INSTALLER AND THE FABRIC ROOF INSTALLER HAVE A MINIMUM OF FIVE (5) YEARS OF DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.

DRAWING LIST

SHEET NO.	DESCRIPTION
CS	COVER SHEET
1	ELEVATION
2	FRAME ASSEMBLY

NOTE
1. CONTRACTOR TO SUBMIT FULLY ENGINEERED (INCLUDING REQUIRED FOOTINGS), STAMPED, BY A NEVADA REGISTERED ENGINEER , SHOP DRAWINGS TO CITY OF LAS VEGAS FOR PERMITTING. OWNER WILL NOT CONSIDER CLAIMS FOR VARIATIONS FROM THE SHOWN DESIGN COMPARED TO THE SHOP DRAWINGS REQUIRED BY CODE, BUILDING OFFICIALS, CONTRACTOR'S DESIGN ENGINEER, OR OTHERS, UNLESS THE CHANGE IS A DESIGN INTENT DEVIATION FROM THE CONTRACT DOCUMENTS REQUIRED IN WRITING BY THE OWNER
2. DESIGN, SIZING, MATERIALS, ETC. ARE TO BE PER MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.
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5. CONTRACTOR TO COMPLY WITH ALL ADA ACCESSIBILITY REQUIREMENTS.
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RECORD
AS-BUILT

NOT FOR CONSTRUCTION

USE FOR
PLANNING
AND
ESTIMATING
ONLY

SHEET
CS

Call before you OVERHEAD 1-702-227-2929 (Avoid hitting overhead utility lines. It's costly.)

Call before you Dig. CALL 811 (Avoid cutting underground utility lines. It's costly.)

REVISIONS

CONSULTANT
LAS VEGAS NV
3191 S. JONES BLVD. | LAS VEGAS, NV 89146
T: 702.853.9388 | F: 702.253.1616
CARLSBAD CA
2248 FARADAY AVE. | CARLSBAD, CA 92008
jwzunino.com | Landscape | Commercial | Design/Build
NV #1501 | UT #2884 | NM #80 | AZ #2338 | CA #2338 | TX #7138
J W Z U N I N O
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
30'X30' FABRIC SHADE SHELTER

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. ZUNINO
7333
Exp. 6/30/12
STATE OF NEVADA

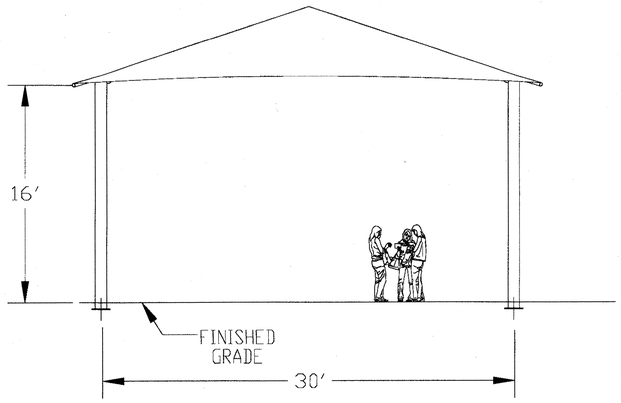
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CED
FILE	136-DT-Parasol
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L14.01

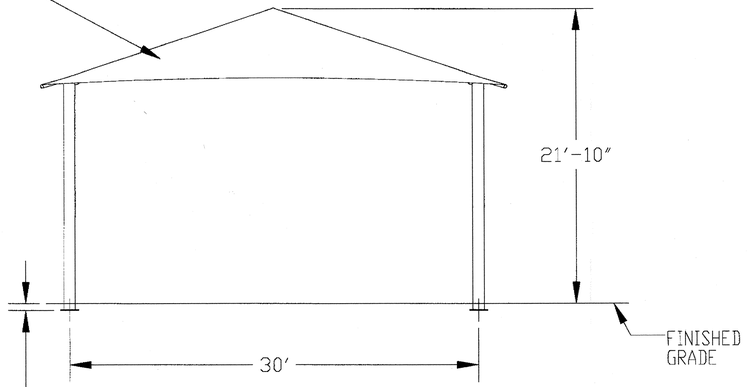
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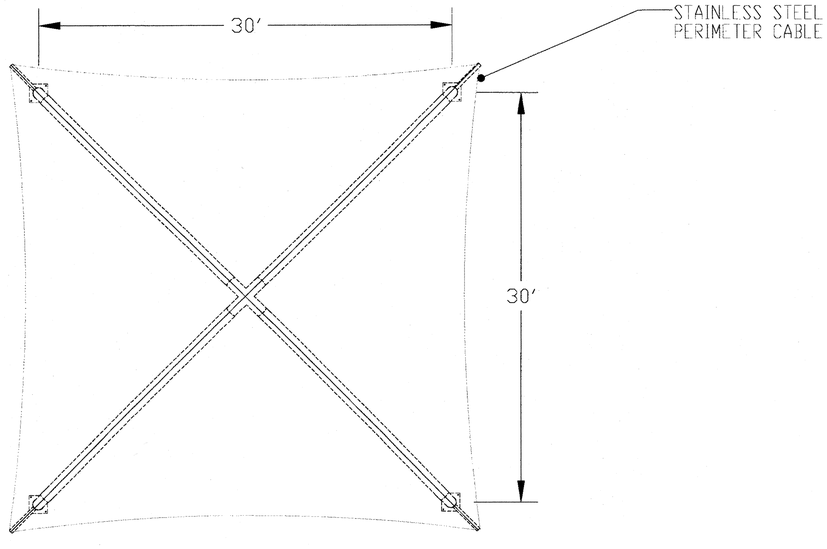


FRONT ELEVATION

FABRIC SPECIFICATIONS
HIGH DENSITY POLYETHYLENE (HDPE), RACHEL-KNITTED
PROPERTIES (DEPENDING UPON COLOR):
WEIGHT: .61 - .72 OZ./SQ. FT.
% UV BLOCKOUT: 88 - 95
% SUN SHADE: 76 - 91
FLAME RESISTANCE: ASTM E 84 - CLASS 1
FLAME SPREAD INDEX = 10
SMOKE DEVELOPMENT INDEX = 60



SIDE ELEVATION



PLAN VIEW

RECORD AS-BUILT

WARNING:

ANY VARIATION IN THE ELEVATIONS AS SHOWN AND APPROVED HEREON MAY RESULT IN THE WITHHOLDING OF FINAL APPROVAL AND/OR A CERTIFICATE OF OCCUPANCY UNTIL SUCH TIME AS THE BUILDING OR STRUCTURE CONFORMS TO THE PLANS AND ELEVATIONS AS APPROVED BY

PLANS APPROVED
ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas, Nevada

DJW SEP 06 2011

Does Not Include Plumbing, Mechanical, Electrical, Off-Site Improvements and/or Any Change Which on Architectural Plan is Not a Permit to Violate Any Ordinance

NOTE
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NOT FOR CONSTRUCTION

USE FOR PLANNING AND ESTIMATING ONLY

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800-354-7721
WWW.parasolnet.com
by porter CORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

DATE: 9/24/2010
SCALE: 1:120
MODEL: FHP30X30-4SM-16EV E1 Y983
DRAWN BY:
CHECKED BY:
REV LEVEL:
DESCRIPTION: FHP48X42-8SM-15EV E1 Y983
PROJECT: LORENZI PARK
ELEVATION
SHEET 1

PATENTED AND/OR PATENTS PENDING COPYRIGHT 2004 PORTERCORP HOLLAND, MI 49424

Call before you OVERHEAD 1-702-221-2929 NEVADA POWER DISTRICT AND SAFETY SERVICES DEPARTMENT

Call before you Dig. CALL 811 INTERMOUNTAIN SERVICE ALERT (USA)

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3191 S. JONES BLVD.: LAS VEGAS, NV 89146
P: 702.254.8338 F: 702.254.1016
CARLSBAD CA
2248 FARADAY AVE.: CARLSBAD, CA 92008
jwzunino.com | planning | landscape architecture
NV #1661 | UT #10594 | AZ #0338 | CA #3238 | TX #3138
J-W-Z-U-N-I-N-O
LANDSCAPE ARCHITECTURE

REVISIONS

CONSULTANT

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
30X30 FABRIC SHADE SHELTER

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER LANGHAM
783
STATE OF NEVADA
Expires 12-31-12

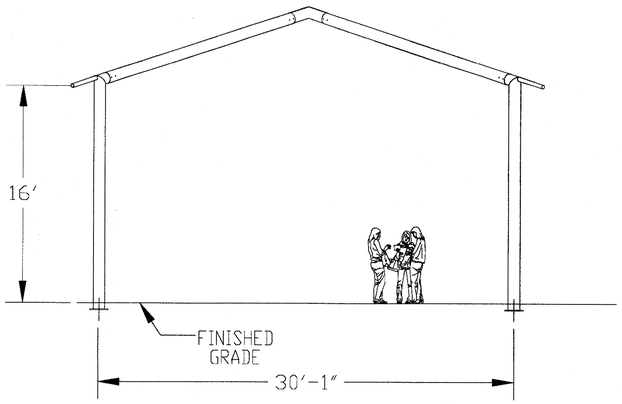
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-5232
TDD: (702) 386-9108

DRAWN: CEB
FILE: B6-DT-Parasol
DATE: 6/27/2011
SCALE: AS NOTED
KID NO: 10.1534L04
CLV DWG NO: 650.19-47-2
HANSEN NO: 33039
SHT NO: L14.02

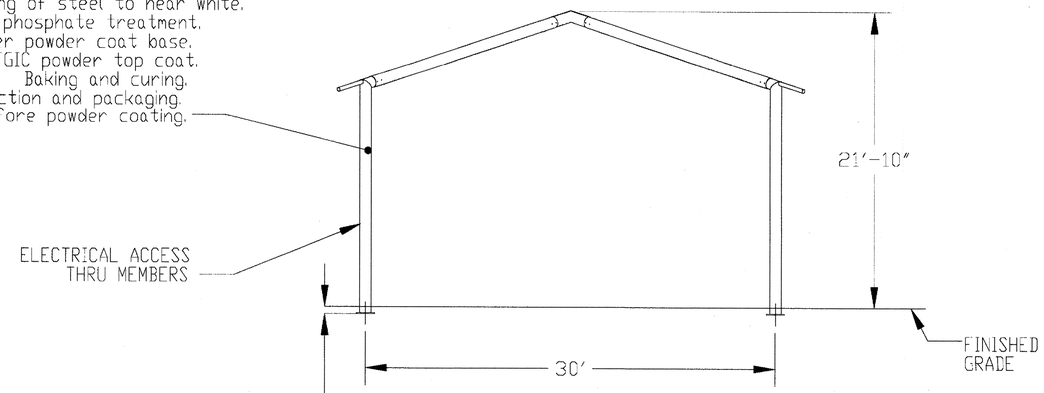
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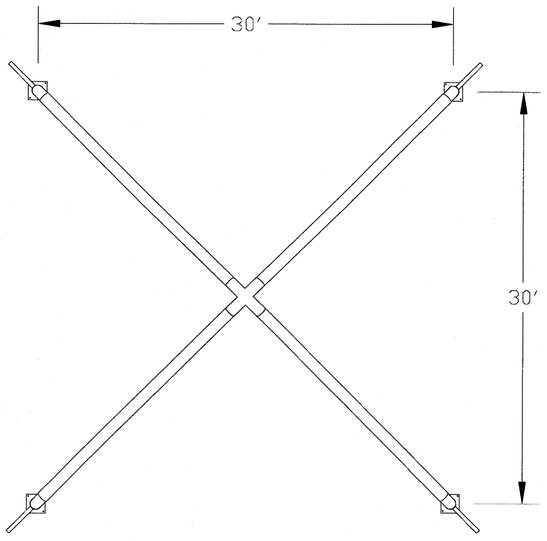


FRONT ELEVATION

Poli-5000 Finish System (Standard)
Eight-direction shot blasting of steel to near white.
Wash and iron phosphate treatment.
Special epoxy primer powder coat base.
Super durable TGIC powder top coat.
Baking and curing.
Inspection and packaging.
Optional: E-Coating before powder coating.



SIDE ELEVATION



PLAN VIEW

11.25

RECORD AS-BUILT

WARNING:

ANY VARIATION IN THE ELEVATIONS AS SHOWN AND APPROVED HEREON MAY RESULT IN THE WITHHOLDING OF FINAL APPROVAL AND/OR A CERTIFICATE OF OCCUPANCY UNTIL SUCH TIME AS THE BUILDING OR STRUCTURE CONFORMS TO THE PLANS AND ELEVATIONS AS APPROVED BY

PLANS APPROVED
ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas, Nevada
DATE: SEP 06 2011
Does Not Include Plumbing, Mechanical, Structural or Off-Site Improvements Such As Drainage Without Approved Plans Is Not a Permit to Violate Any Ordinance

NOTE
1. CONTRACTOR TO SUBMIT FULLY ENGINEERED (INCLUDING REQUIRED FOOTINGS), STAMPED, BY A NEVADA REGISTERED ENGINEER , SHOP DRAWINGS TO CITY OF LAS VEGAS FOR PERMITTING. OWNER WILL NOT CONSIDER CLAIMS FOR VARIATIONS FROM THE SHOWN DESIGN COMPARED TO THE SHOP DRAWINGS REQUIRED BY CODE, BUILDING OFFICIALS, CONTRACTOR'S DESIGN ENGINEER, OR OTHERS, UNLESS THE CHANGE IS A DESIGN INTENT DEVIATION FROM THE CONTRACT DOCUMENTS REQUIRED IN WRITING BY THE OWNER
2. DESIGN, SIZING, MATERIALS, ETC. ARE TO BE PER MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.
3. FOR MANUFACTURER SEE SHEET L17.01-L17.02
4. CONTRACTOR IS RESPONSIBLE FOR ALL ASSOCIATED FEES FOR DESIGN, REVIEW, AND PERMITTING. IF ADDITIONAL GEO-TECH IS NEEDED THAT IS NOT PROVIDED IN DOCUMENTS, CONTRACTOR IS TO PROVIDE.
5. CONTRACTOR TO COMPLY WITH ALL ADA ACCESSIBILITY REQUIREMENTS.
6. SLAB MUST NOT BE POURED MONOLITHIC WITH SHADE STRUCTURE FOOTINGS. FOR ELECTRICAL CONDUIT AND SLEEVING INFORMATION SEE SHEETS E08, E09, AND S6.02.

NOT FOR CONSTRUCTION

USE FOR PLANNING AND ESTIMATING ONLY

THIS SEAL PERTAINS ONLY TO THE MATERIALS SUPPLIED BY PARASOL. THIS SEAL DOES NOT SERVE AS - OR REPRESENT - THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH

PATENTED AND/OR PATENTS PENDING COPYRIGHT 2004 PORTERCORP HOLLAND, MI 49424

DESCRIPTION: FHP48X42-8SM-15EV E1 Y983
PROJECT: LORENZI PARK
FRAME ASSEMBLY

SHEET 2

parasol® 800-354-7721 www.parasolnet.com
by porter CORP
PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424

MODEL: FHP30X30-4SM-16EV E1 Y983
DRAWN BY: | CHECKED BY: | REV LEVEL: | SCALE: 1:120 | DATE: 9/24/2010

Call before you OVERHEAD 1-702-221-2429 (Nevada Power Distribution Line Safety Services Department)
Call before you Dig. CALL 811 (Underground Service Alert (USA))

REVISIONS

CONSULTANT

LAS VEGAS NV
3191 S. JONES BLVD. LAS VEGAS, NV 89146
T: 702.253.3388 F: 702.253.3389

CARLSBAD CA
2246 FARADAY AVE. CARLSBAD, CA 92008

jwzunino.com | JW ZUNINO LANDSCAPE ARCHITECTURE | CA#3666 | NV#1061

LAS VEGAS

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
30'X30' FABRIC SHADE SHELTER

STAMP
REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. ZUNINO
7733
Expires 6/30/12
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN: CEB
FILE: 136-DT-Parasol
DATE: 6/27/2011
SCALE: AS NOTED
XED NO: 10.1534104
CLV DWG NO: 650.19-47-2
HANSEN NO: 33039
SHT NO: L14.03

DRAWINGS AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE DESIGN PROFESSIONAL WHERE STAMP OF CERTIFICATION APPEARS ON THE DRAWINGS AND SPECIFICATIONS ANY USE OR REPRODUCTION IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT IS STRICTLY PROHIBITED COPIES OF THE DRAWINGS AND SPECIFICATIONS RETAINED BY THE CLIENT MAY BE UTILIZED ONLY FOR OCCUPYING THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT N A G 633.780

Lorenzi Park-0326.tif PRINTED ON RECYCLED PAPER

PRODUCT	MANUFACTURER				*QUANTITY	COLOR/FINISH	
PRECAST CONCRETE BENCH: WITH BACK WITHOUT BACK	QUICKCRETE PRODUCTS: 741 W PARKRIDGE AVE PO BOX 639 NORCO, CA 91760 (951) 737-6240 MODEL: Q1-VIC-84B MODEL: Q2-VIC-84B	UNIVERSAL PRECAST, INC.: PO BOX 130 BIG BEND, CA 96011 (408) 799-8888 MODEL: WSKATE GROOVE	WAUSAU TILE: PO BOX 1520 WAUSAU, WI 54402-1520 PHONE: (715) 354-3121 MODEL: #TF5065 MODEL: #TF5035	OUTDOOR CREATIONS, INC: PO BOX. 50 ROUND MOUNTAIN, CA 96084 (530) 337-6714 MODEL: #408B-SK	ARCHITECTURAL PRECAST, INC. 4630 E. ANN RD. LAS VEGAS, NV 89115 (702) 643-7000 MODEL: #BH01	W/BACK - 19 W/O BACK - 6	COLOR: TO MATCH LM SCOFIELD "SUMMER BEIGE" #5234 FINISH: T1 ACID ETCH WITH ANTI SKATE ELEMENTS AS SHOWN ON DETAILS	ANTI-GRAFFITI GLOSS SEALER: MONOCHEM PERMASHIELD NON-SACRIFICIAL GRAFFITI CONTROL SYSTEM BY: MONOPOLE INC. 4661 ALGER ST. LOS ANGELES, CA 90039 (818) 500-8585
PRECAST CONCRETE PICNIC TABLE: RECTANGLE	QUICKCRETE PRODUCTS: 741 W PARKRIDGE AVE PO BOX 639 NORCO, CA 91760 (951) 737-6240 MODEL: Q-LBT-46PT	UNIVERSAL PRECAST, INC.: PO BOX 130 BIG BEND, CA 96011 (408) 799-8888 MODEL: PT-4636AG	WAUSAU TILE: PO BOX 1520 WAUSAU, WI 54402-1520 PHONE: (715) 354-3121 MODEL: #TF3226-M 8'-0" LENGTH	OUTDOOR CREATIONS, INC: PO BOX. 50 ROUND MOUNTAIN, CA 96084 (530) 337-6714 MODEL: 100-55K	ARCHITECTURAL PRECAST, INC. 4630 E. ANN RD. LAS VEGAS, NV 89115 (702) 643-7000 MODEL: #TB02	19	COLOR: TO MATCH LM SCOFIELD "SUMMER BEIGE" #5234 FINISH: TI SMOOTH FINISH W/SKATE STOP GROOVE, TYP.	ANTI-GRAFFITI GLOSS SEALER: MONOCHEM PERMASHIELD NON-SACRIFICIAL GRAFFITI CONTROL SYSTEM BY: MONOPOLE INC. 4661 ALGER ST. LOS ANGELES, CA 90039 (818) 500-8585
PRECAST CONCRETE PICNIC TABLE: WITH GAME BOARD AS NOTED ON PLANS ADA TABLE CAFE TABLE	QUICKCRETE PRODUCTS: 741 W PARKRIDGE AVE PO BOX 639 NORCO, CA 91760 (951) 737-6240 ADA - MODEL: QR42FC3 CAFE - MODEL: QR42FC	UNIVERSAL PRECAST, INC.: PO BOX 130 BIG BEND, CA 96011 (408) 799-8888 ADA - TRGA 3370 CAFE - TRG 3370	WAUSAU TILE: PO BOX 1520 WAUSAU, WI 54402-1520 PHONE: (715) 354-3121 ADA - MODEL: TF31287 CAFE - MODEL: TF31257			ADA - 6 CAFE - 10	COLOR: TO MATCH LM SCOFIELD "SUMMER BEIGE" #5234 FINISH: TI SMOOTH FINISH W/SKATE STOP GROOVE, TYP.	ANTI-GRAFFITI GLOSS SEALER: MONOCHEM PERMASHIELD NON-SACRIFICIAL GRAFFITI CONTROL SYSTEM BY: MONOPOLE INC. 4661 ALGER ST. LOS ANGELES, CA 90039 (818) 500-8585
BBQ SET UP TABLE RECTANGLE	QUICKCRETE PRODUCTS: 741 W PARKRIDGE AVE PO BOX 639 NORCO, CA 91760 (951) 737-6240 MODEL: Q-LBT-46PT WITHOUT BENCHES	UNIVERSAL PRECAST, INC.: PO BOX 130 BIG BEND, CA 96011 (408) 799-8888 MODEL: #PT-4636AG WITHOUT BENCHES	WAUSAU TILE: PO BOX 1520 WAUSAU, WI 54402-1520 PHONE: (715) 354-3121 MODEL: #CUST 96X36X31	OUTDOOR CREATIONS, INC: PO BOX. 50 ROUND MOUNTAIN, CA 96084 (530) 337-6714 MODEL: #102	ARCHITECTURAL PRECAST, INC. 4630 E. ANN RD. LAS VEGAS, NV 89115 (702) 643-7000 MODEL: #TB02 WITHOUT BENCHES	6	COLOR: TO MATCH LM SCOFIELD "SUMMER BEIGE" #5234 FINISH: TI SMOOTH FINISH W/SKATE STOP GROOVE, TYP.	ANTI-GRAFFITI GLOSS SEALER: MONOCHEM PERMASHIELD NON-SACRIFICIAL GRAFFITI CONTROL SYSTEM BY: MONOPOLE INC. 4661 ALGER ST. LOS ANGELES, CA 90039 (818) 500-8585
TRASH RECEPTACLE WASTE CONTAINERS W/ STEEL LID, CABLE, ASSEMBLY, LEVELERS, AND LINER	QUICKCRETE PRODUCTS: 741 W PARKRIDGE AVE PO BOX 639 NORCO, CA 91760 (951) 737-6240 MODEL: #GS-PS2532W-A21, TI	UNIVERSAL PRECAST, INC.: PO BOX 130 BIG BEND, CA 96011 (408) 799-8888 MODEL: #TRS-2532	WAUSAU TILE: PO BOX 1520 WAUSAU, WI 54402-1520 PHONE: (715) 354-3121 MODEL: #TF1025, W24-W024, TF1440 LID	OUTDOOR CREATIONS, INC: PO BOX. 50 ROUND MOUNTAIN, CA 96084 (530) 337-6714 MODEL: #503, 32 GAL.	ARCHITECTURAL PRECAST, INC. 4630 E. ANN RD. LAS VEGAS, NV 89115 (702) 643-7000 MODEL: #SB05	BASE BID - 145 OWNER DIRECTED PLACEMENT - 30 PHASE 1* - 98 *SEE NOTE # 13 ON L3.00 AND SHEETS P1.01-P1.02 TOTAL - 264	STEEL TOP COLOR: BROWN CONCRETE COLOR: L.M. SCOFIELD 'SUMMER BEIGE' #5234 CONCRETE TEXTURE: WEATHERSTONE CITY OF LAS VEGAS (ONE SIDE)	ANTI-GRAFFITI GLOSS SEALER: MONOCHEM PERMASHIELD NON-SACRIFICIAL GRAFFITI CONTROL SYSTEM BY: MONOPOLE INC. 4661 ALGER ST. LOS ANGELES, CA 90039 (818) 500-8585
CONCRETE MONUMENT SIGN (NEVADA GARDEN CLUBS)	QUICKCRETE PRODUCTS: 741 W PARKRIDGE AVE PO BOX 639 NORCO, CA 91760 (951) 737-6240	UNIVERSAL PRECAST, INC.: PO BOX 130 BIG BEND, CA 96011 (408) 799-8888	PETERSEN MANUFACTURING CO.: PO BOX 664 DENISON, IA 51442 (800) 832-7283	OUTDOOR CREATIONS, INC. P.O. BOX 50 ROAD MOUNTAIN, CA 96084 PHONE: (530) 337-6714 FAX: (530) 365-5129		1	SEE DETAIL 'M' ON SHEET L5.17 FOR COLORS	
CONCRETE WALL CAP	QUICKCRETE PRODUCTS: 741 W PARKRIDGE AVE PO BOX 639 NORCO, CA 91760 (951) 737-6240	UNIVERSAL PRECAST, INC.: PO BOX 130 BIG BEND, CA 96011 (408) 799-8888	PETERSEN MANUFACTURING CO.: PO BOX 664 DENISON, IA 51442 (800) 832-7283			SEE PLANS FOR LENGTH	COLOR TO MATCH: DUNN EDWARDS-6130 WOODED ACRE OR APPROVED EQUAL	
BIKE RACK	KAY PARK RECREATION: 1301 PINE STREET PO BOX 477 JANESVILLE, IA 50647 (800) 553-2476 MODEL: 623C16	GAMETIME: GREAT WESTERN PLAYGROUND PO BOX 97 WELLSVILLE, UT 84339 (800) 235-2440 MODEL: T103	VICTOR STANLEY: SECURE SITE DESIGN PO BOX 307 DUNKIRK, MD 20754 (888) 268-4126 MODEL: BRCS-105			3	POWDER COATED: COLOR TO MATCH POLIGON - SURREY BEIGE (RAL # TO TO 10)	
BARBECUE: SINGLE	KAY PARK RECREATION: 1301 PINE STREET PO BOX 477 JANESVILLE, IA 50647 (800) 553-2476 MODEL: SB1635	WEBCOAT PRODUCTS: PO BOX 3160 MCALESTER, OK 74502 (800) 505-5101 MODEL: GP520	R.J. THOMAS: 5648 HWY. 59 SOUTH, CHEROKEE, IOWA 51012-0946 (800) 762-5002 MODEL: N20B2			4	BLACK	
BARBECUE: GROUP	KAY PARK RECREATION: 1301 PINE STREET PO BOX 477 JANESVILLE, IA 50647 (800) 553-2476 MODEL: XB16	PARK N POOL: 130-B WALKER ST, LEXINGTON, VA 24450 (877) 777-3700 MODEL: 12GR-760	PICNIC FURNITURE: PO BOX 2151 BUNNELL, FL 32110 (800) 775-8409 MODEL: KPXB16			6	BLACK	
DRINKING FOUNTAIN	MOST DEPENDABLE FOUNTAINS: 5705 COMMANDER DRIVE ARLINGTON, TN 38002 (800) 552-6331 MODEL: 440DB55 *MODEL: 440DB55 WJF AND WPF	*ADD ATTACHED PET FOUNTAIN (PF) AND JUG FILLER (JF) ACCESSORIES TO THE DRINKING FOUNTAIN LOCATED NEXT TO PUMP HOUSE ONLY)	NO SUBSTITUTIONS			5 1 WITH JUG FILLER & PET FOUNTAIN	POWDER COATED: COLOR TO MATCH POLIGON - DELFT BLUE	
BARK MULCH	WHOLESALE DEALER: GREENWAY ENVIRONMENTAL, LLC. (702) 592-1166 CONTACT: JEFF EGGEN	NEW LEAF ORGANICS: 30520 RANCHO CALIFORNIA RD. SUITE 107-127 TEMECULA CA 92591 (951) 694-4625	WESTERN ORGANICS INC.: 5441 E. CHEYENNE AVE LAS VEGAS, NV 89156 (702) 639-0310			SEE PLANS FOR AREA		
DECOMPOSED GRANITE	KALAMAZOO MATERIALS 691 NORTH ORACLE ROAD TUCSON, AZ 85704 TELEPHONE: (702) 497-6411 CONTACT: BETTY O'BRIEN	LAS VEGAS ROCK 2 PRISON ROAD PO BOX 19118 JEAN, NV 89019 TELEPHONE: (702) 791-7625 CONTACT: STEVE WICKMAN	MINERAL PARK DECORATIVE ROCK 8275 N. MINERAL PARK ROAD KINGMAN, AZ 86416 TELEPHONE: (702) 275-1371 CONTACT: ROBIN MICKELSON			SEE PLANS FOR AREA	SIZE AND COLOR TO MATCH PHASE 1 - SIZE: 1/2" MINUS COLOR: TO MATCH "SEDONA CORAL"	
DECORATIVE ROCK (RIP-RAP) (DECORATIVE BOULDERS)	KALAMAZOO MATERIALS 691 NORTH ORACLE ROAD TUCSON, AZ 85704 TELEPHONE: (702) 497-6411 CONTACT: BETTY O'BRIEN	LAS VEGAS ROCK 2 PRISON ROAD PO BOX 19118 JEAN, NV 89019 TELEPHONE: (702) 791-7625 CONTACT: STEVE WICKMAN	MINERAL PARK DECORATIVE ROCK 8275 N. MINERAL PARK ROAD KINGMAN, AZ 86416 TELEPHONE: (702) 275-1371 CONTACT: ROBIN MICKELSON			SEE PLANS FOR AREA		
TRELLIS	TIBERTI FENCE CO.: 4475 ROGERS ST. LAS VEGAS, NV 89118 (702) 382-7070	IMPERIAL IRON INC. 4226 FIDUS DR. LAS VEGAS, NV 89103 (702) 873-8678	OLSON IRON 3040 N. NELLIS BLVD. LAS VEGAS, NV 89115 (702) 873-8641			32 SEE PLANS FOR LENGTH	POWDER COATED: COLOR: TO MATCH POLIGON SURREY BEIGE (RAL # TO TO 10) (TO MATCH ADJACENT FENCE)	
FENCE - CHAINLINK 4'-0" HEIGHT (BASKETBALL)	TIBERTI FENCE CO.: 4475 ROGERS ST. LAS VEGAS, NV 89118 (702) 382-7070	AMERISTAR FENCE PRODUCTS: 1555 N. MINGO RD. TULSA OK 74116 (888) 333-3422 MODEL: PERMACOAT CHAIN LINK	BETAFENCE: 3309 SH INTERSTATE 45 ENNIS, TX 75119 (888) 650 4166 MODEL: BETAFRAME CHAIN LINK			SEE PLANS FOR LENGTH		
FENCE - ALUMINUM 4'-0" HEIGHT (SPLASH PAD) (LAKE EDGE)	ELITE FENCE PRODUCTS, INC.: 25551 JOY BLVD. HARRISON TWP, MI 48045 (586) 468-4448 MODEL: LIFEGARD INDUSTRIALGRADE	AMERISTAR FENCE PRODUCTS: 1555 N. MINGO RD. TULSA OK 74116 (888) 333-3422 MODEL: ECHELON II MAJESTIC 2 RAILS FLUSH TOP FLUSH BOTTOM	JERITH MANUFACTURING COMPANY, INC.: 14400 MCNULTY RD PHILADELPHIA, PA 19154 (800) 344-2242 MODEL: OVATION INDUSTRIAL GRADE			SEE PLANS FOR LENGTH	POWDER COATED: COLOR TO MATCH POLIGON - SURREY BEIGE (RAL # TO TO 10)	
FENCE - SPLIT RAIL						SEE PLANS FOR LENGTH	POSTS: COLOR: GREY CONCRETE TEXTURE: WEATHERSTONE SEALER: STANDARD GLOSS SEALER	RAIL: POWDER COATED: COLOR: TO MATCH POLIGON - DELFT BLUE
FENCE - PRE-FABRICATED 6'-0" HEIGHT	XCEL FENCE, INC.: 910 E. CEDAR ST. ONTARIO, CA 91761 (909) 392-0808 MODEL: INDUSTRIAL PLUS 2 RAIL	AMERISTAR FENCE PRODUCTS: 1555 N. MINGO RD. TULSA OK 74116 (888) 333-3422 MODEL: MONTAGE II GENESIS ATF	BETAFENCE USA: 3309 SH INTERSTATE 45 ENNIS, TX 75119 (888) 650-4166 MODEL: UPGRADE-I HG PANEL - SUMMIT			SEE PLANS FOR LENGTH	POWDER COATED: COLOR TO MATCH POLIGON - SURREY BEIGE (RAL # TO TO 10)	

*QUANTITIES DISCLAIMER: SEE SPECIFICATIONS SECTION 01 10 00 1.2

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REVISIONS

CONSULTANT

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T: 702.233.1888 F: 702.233.1015

C A R L S B A D C A
2248 FARADAY AVE. | CARLSBAD, CA 92008

JamesRoy.com | NV #1001.127 #BE681 | HI# 6783 | AZ #BE681 | CA #3738 | TX #1138

JW ZUNINO
LANDSCAPE ARCHITECTURE

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
SITE FURNISHING MATERIALS

THIS IS STRICTLY PROHIBITED COPIES OF THE DRAWINGS AND SPECIFICATIONS REMAINED BY THE CLIENT MAY BE UTILIZED ONLY FOR OCCUPYING THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT N A C 65.1780 DRAWINGS AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF THE DESIGN PROFESSIONAL WHOSE STAMP OF CERTIFICATION APPEARS ON THE DRAWINGS AND SPECIFICATIONS REMAINED BY THE CLIENT MAY BE UTILIZED ONLY FOR OCCUPYING THE PROJECT FOR WHICH THEY WERE PREPARED AND NOT FOR THE CONSTRUCTION OF ANY OTHER PROJECT N A C 65.1780 ANY USE OR REPRODUCTION IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT IS STRICTLY PROHIBITED

STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER J. LINGHAM
7337
6/27/11
Expires: 6/30/12
STATE OF NEVADA

RECORD AS-BUILT

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CEB
TITLE	136-SFM
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.1534104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L17.01

PRODUCT	MANUFACTURER			*QUANTITY	COLOR/FINISH	
FENCE - TUBE STEEL 4'-0" HEIGHT UNLESS NOTED OTHERWISE ON PLANS (AS 6'-0" HEIGHT)	XCEL FENCE, INC.: 910 E. CEDAR ST. ONTARIO, CA 91761 (909) 392-0808 2-RAILS FLAT TOP FLAT BOTTOM INDUSTRIAL GRADE	AMERISTAR FENCE PRODUCTS: 1555 N. MINGO RD. TULSA OK 74116 (888) 333-3422 MODEL: MONTAGE II MAJESTIC ATF 2 RAILS FLUSH TOP FLUSH BOTTOM	BETAFENCE USA: 3309 SW INTERSTATE 45 ENNIS, TX 75119 (888) 650-4766 MODEL: UPGRADE-I HG PANEL - LANDMARK	SEE PLANS FOR LENGTH	POWDER COATED; COLOR TO MATCH POLIGON - SURREY BEIGE (RAL # TO TO IO)	
PEDESTRIAN BRIDGE - 6' WIDE IO' WIDE	ARIZONA STRUCTURE TECHNOLOGIES, INC. 1945 W. BROADWAY ROAD PHOENIX, AZ 85041 602-288-1471 EXT. 415	CONTECH CONSTRUCTION PRODUCTS INC: 5455 S. DURANGO DR. SUITE 150C LAS VEGAS, NV 89113 (866) 400-3180	BIG R BRIDGE: PO BOX 1240 GREELEY, CO 80632-1240 (800) 234-0734	EXCEL BRIDGE MANUFACTURING CO. 12001 SHOEMAKER AVE. SANTA FE SPRINGS, CA 90670 (800) 548-0054	6' WIDE - 1 IO' WIDE - 1 SEE PLANS FOR LENGTHS	METAIL FRAMING & POSTS; FINISH - POWDER COAT COLOR TO MATCH POLIGON - SURREY BEIGE (RAL # TO TO IO)
PICNIC SHELTER: SQUARE - (12') SQUARE - (20') SQUARE - (40') RECTANGLE - (24'X44')	POLIGON: 4240 136TH AVENUE HOLLAND, MI 49424 (800) 354-7121 MODEL: SQR12MR MODEL: SQR20SPSS MODEL: SQR40SPSS MODEL: RAM-24X44	CLASSIC RECREATION: 11875 E. BERRY DRIVE DEWEY, AZ 86327 (928) 775-3307	ICON SHELTER SYSTEMS: 1455 LINCOLN AVENEUE HOLLAND, MI 49423 (800) 748-0485	SKYLARK SHELTER SYSTEMS: 4245 FOX STREET DENVER, COLORADO 80216 (303) 433-3180	12' - 6 20' - 3 40' - 1 24'X44' - 1	METAL FRAMING & POSTS; COLOR TO MATCH POLIGON - SURREY BEIGE (RAL # TO TO IO) METAL ROOF; COLOR TO MATCH POLIGON - DELFT BLUE NO SUBSTITUTIONS
PICNIC SHELTER: (TOT-LOT) SQUARE - (16')	POLIGON: 4240 136TH AVENUE HOLLAND, MI 49424 (800) 354-7121 MODEL: SQR16SPSS	CLASSIC RECREATION: 11875 E. BERRY DRIVE DEWEY, AZ 86327 (928) 775-3307	ICON SHELTER SYSTEMS: 1455 LINCOLN AVENEUE HOLLAND, MI 49423 (800) 748-0485	SKYLARK SHELTER SYSTEMS: 4245 FOX STREET DENVER, COLORADO 80216 (303) 433-3180	16' - 2	METAL FRAMING & POSTS; COLOR TO MATCH POILGON - SURREY BEIGE (RAL # TO TO IO) COLUMNS; CUSTOM CONCRETE WITH STACKED STONE FORM LINER METAL ROOF; COLOR TO MATCH POLIGON - ARCHITECTURAL RED NO SUBSTITUTIONS
FABRIC SHADE CANOPY RECTANGLE - (30'X30')	PARASOL (PORTER CORP): 4240 136TH AVE. HOLLAND MI 49424 (616) 399-1963	SUNPORTS: 3021 S VALLEY VIEW BLVD STE 207 LAS VEGAS, NV 89102 (702) 227-5273	CLASSIC RECREATION SYSTEMS: 11875 E. BERRY DRIVE DEWEY AZ 86327 PHONE: (800) 691-2145 FAX: (928) 772-0858		(30'X30') - 1	METAIL FRAMING & POSTS; COLOR TO MATCH POILGON - SURREY BEIGE (RAL # TO TO IO) FABRIC; PARASOL - TERRA COTTA SUNPORTS - TERRA COTTA CLASSIC RECREATION SYSTEMS - TERRA COTTA
PLAYGROUND	CREOPLAY: MIRACLE PLAYGROUND: 2657 WINDMILL PKWY #195 HENDERSON, NV 89074 (800) 905-1411 EXT 117 MODEL: SEE SHEET L7.01	GAMETIME: GREAT WESTERN PLAYGROUND PO BOX 97 NEELSVILLE, UT 84339 (800) 235-2440	PLAYWORLD SYSTEMS, INC: 1000 BUFFALO ROAD LEWISBURG, PA 17837-9745 (800) 233-8404		SEE SHEET L7.01 FOR PLAY EQUIPMENT AND QUANTITIES	COLOR; (PLASTICS AND METAL) - BEIGE TREE BARK - TO MATCH ADJACENT TAMARISK TREES* BOULDER - TO MATCH ADJACENT DECORATIVE ROCK GROUNDCOVER AND BOULDERS* * NOTE: CONTRACTOR TO COORDINATE COLORS WITH MANUFACTURER AND LANDSCAPE ARCHITECT FOR FINAL APPROVAL
SPLASH PAD	VORTEX ASI INC.: 328 AVRO ST. POINTE-CLAIRE, QUEBEC CANADA H9R 5W5 (514) 694-3868 MODEL: SEE SHEET L7.01	GAMETIME: GREAT WESTERN PLAYGROUND PO BOX 97 NEELSVILLE, UT 84339 (800) 235-2440	WATER SPLASH INC: 818-110 WEST 9TH STREET WILMINGTON, DE 19801 (800) 936-3430		SEE SHEET L7.10 FOR MODEL NUMBERS AND QUANTITIES	SEE PLANS FOR COLOR & FINISH
TOT LOT SAFETY SURFACE	TOT TURF: MIRACLE PLAYGROUND 2657 WINDMILL PKWY #195 HENDERSON, NV 89074 (800) 905-1411 EXT 117	SPECTRATURF: 500 E RINCON STREET #100 CORONA, CA 92879-1352 (800) 875-5188	SURFACE AMERICA: PO BOX 157 WILLIAMSVILLE, NY 14231 (800) 999-0555	NO FAULT INDUSTRIES: 3112 VALLEY CREEK DRIVE, SUITE C BATON ROUGE, LA 70808 (800) 232-7766	SEE PLANS FOR AREA	SEE PLANS FOR COLOR
DOG WASTE BAG DISPENSER	DOGIPOT: 2100 PRINCIPAL ROW, SUITE 405 ORLANDO, FL 32837 (800) 364-7681 MODEL: 1002-2	NO SUBSTITUTIONS			14	POWDER COATED; COLOR TO MATCH POLIGON- SURREY BEIGE (RAL # TO TO IO)
BOTANICAL SIGNS FOR INTERPRETIVE PLANTING AREA	NAMEPLATE & PANEL TECHNOLOGY 387 GUNDERSON DRIVE CAROL STREAM, IL 60188-2421 TELEPHONE: (800) 833-8397 FAX: (630) 690-9365	INTELLIGAM CUSTOM PRODUCTS CORP. W6483 DESIGN DR. GREENVILLE, WI 54942 LOCAL: (920) 757-1500 TOLL FREE: (800) 421-5545 FAX: (920) 757-1501	METAL MARKER: 6225 LEAR NEASLE ROAD NORTH RIDGEVILLE, OH 44039 (800) 428-0095 FAX: (440) 327-2830		50	3" X 5" SIGN MOUNTED ON 24" STAKE.
WAYFINDING ARCH					4	POSTS; COLOR: CONCRETE WITH STAIN FINISH: DESERT VARNISH TEXTURE: STACKED STONE FORM LINER RAIL: COLOR: DESERT VARNISH LETTERING; POWDER COATED - WHITE
INTERPRETIVE SIGNS WAYFINDING SIGNS	FOSSIL INDUSTRIES INC.: 44 JEFFRYN BLVD. DEERPARK, NY 11729 (631) 254-9200 INTERPRETIVE - 12 COLOR HD PANEL 25"X28" WAYFINDING - MODEL:CD224, PANEL 28"X42"	PANNIER: 345 OAK ROAD GIBSONIA, PENNSYLVANIA 15044 (800) 544-8428 EXT: 220 INTERPRETIVE - PANEL 25"X28" WAYFINDING - MODEL:CANTILEVERED, PANEL 28"X42"	IZONE IMAGING: 2526 CHARTER OAK DR. SUITE 100 TEMPLE, TX 76502 (888) 464-4663 INTERPRETIVE - PANEL 25"X28" WAYFINDING - PANEL 28"X42"		NUMBER OF ORIGINALS INTERPRETIVE: 25" X 28" = 16 WAYFINDING: 28" X 42" = 4	CONTRACTOR IS TO PROVIDE OWNER WITH (3) REPLACEMENT SIGN PANELS OF EACH DESIGN. TOTAL: INTERPRETIVE = 48 TOTAL: WAYFINDING = 12	CONTRACTOR WILL BE PROVIDED WITH FULL COLORED RENDERED ELECTRONIC IMAGE FILES AT TIME OF CONSTRUCTION, SEE SPECIFICATIONS 10 14 23
CONCRETE WALLS - WITH FORM LINER FINISH COBBLE/RIVER ROCK STACKED STONE	SCOTT SYSTEM, INC: 10771 EAST 45TH AVE DENVER, CO 80239 303-373-2500 MODEL: #187 (TUCSON RIVER ROCK) MODEL: #189 (TETON DRY STACK)	GREENSTREAK: 3400 TREE COURT INDUSTRIAL BLVD ST. LOUIS, MO 63122 636-225-9400 MODEL: #440 RIVER ROCK MODEL: #477 MERAMEC DRY STACK			SEE PLANS FOR LENGTH	FINISH; DESERT VARNISH - SEE PLANS FOR COLORS AND FINISHES
DESERT VARNISH (LAKE/STREAM BED COBBLE AND GROUT) (CONCRETE WALLS - WITH FORM LINER FINISH)	NATINA PRODUCTS: 5996 EDMOND ST. LAS VEGAS NV, 89118 877-762-8462 CONTACT: BRIAN HARDIN	SOIL-TECH: 6420 S. CAMERON DRIVE, STE. 207 LAS VEGAS NV, 89118 702-873-2023	SUPERCRETE: 1240 N JOHNSON AVE. STE. 101 EL CAJON, CA 92020 (800) 995-1716		SEE PLANS FOR AREA	
DECORATIVE CONCRETE; INTEGRAL COLOR (SPLASH PAD) (INTERPRETIVE LOOP)	LITHOCRETE: T.B. PENICK & SONS, INC. 5215 S. ARVILLE ST. SUITE 300 LAS VEGAS, NV 89118 800-234-6046 EX. 170 CONTACT: ANDREW WEBER	SCOFIELD SYSTEMS: 6533 BANDINI BLVD. LOS ANGELES, CA 90040 323-720-3000	DAVIS COLORS: 3100 EAST OLYMPIC BLVD LOS ANGELES, CA 90023 (800) 356-4648		SEE PLANS FOR AREA	SEE PLANS FOR COLORS AND FINISHES
DECORATIVE CONCRETE; GLASS AGGREGATE (SPLASH PAD)	LITHOCRETE: T.B. PENICK & SONS, INC. 5215 S. ARVILLE ST. SUITE 300 LAS VEGAS, NV 89118 800-234-3046 EX. 170	LITHOCRETE: CHIEF CONCRETE, INC 6275 STEVENSON WAY LAS VEGAS, NV 89120 (702) 435-4038	NO KNOWN EQUAL		SEE PLANS FOR AREA	SEE PLANS FOR COLORS AND FINISHES
CONCRETE FACADE: (TOT LOT) WALL FACADES STAGE COACH	CREOPLAY: 8100 WAYZATA BLVD. SUITE C GOLDEN VALLEY MN 55426 (612) 670-8195	CEMROCK: 4790 S JULIAN AVENUE TUCSON, AZ 85714 (520) 571-1999	UNIVERSAL PRECAST, INC: PO BOX 130 BIG BEND, CA 96011 (408) 799-8888		WALL FACADE - 2 STAGE COACH - 1	SEE PLANS FOR COLORS AND FINISHES
VEHICULAR DIRECTIONAL SIGNS:	YESCO: 5111 S. CAMERON STREET LAS VEGAS, NV 89118 (702) 876-8080	SIGN-A-RAMA: 3111 S. VALLEY VIEW BLVD. SUITE 0-105 LAS VEGAS, NV 89102 (702) 878-3277	SIGNS NOW: 4510 DRAGA PL. LAS VEGAS, NV 89115 (702) 643-0484		4'-6" LENGTH - 6 8'-0" LENGTH - 3 10'-0" LENGTH - 6	SEE PLANS FOR COLORS AND FINISHES

*QUANTITIES DISCLAIMER: SEE SPECIFICATIONS SECTION 01 10 00, 1.2

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LORENZI PARK-10.20.11

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TITLE	BB-SHT
DATE	6/27/2011
SCALE	AS NOTED
BID NO	10.1534104
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	L17.02

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GENERAL DESCRIPTION - IRRIGATION LAKE, PUMP AND STREAM WATER FEATURE

THE EXISTING IRRIGATION/URBAN FISHING LAKE AT LORENZI PARK WILL BE MODIFIED TO ACCOMMODATE PHASE TWO CHANGES TO THE SITE AND LANDSCAPE. THE RENOVATED LAKE WILL CONTINUE TO ACT AS THE PRIMARY WATER STORAGE FACILITY FOR PARK LANDSCAPE IRRIGATION. THE EXISTING LAKE WILL BE RE-GRADED AND DEEPENED TO INCREASE STORAGE CAPACITY AND ASSIST WITH WATER QUALITY. THE LAKE WILL INCORPORATE A NEW GEOSYNTHETIC LAKE LINING SYSTEM,

RAW WATER PUMPED FROM AN EXISTING GROUND WATER WELL WILL CONTINUE TO ACT AS THE PRIMARY WATER SOURCE FOR THE LAKE. THE EXISTING WELL AND WELL PUMP WILL NOT BE DISTURBED DURING CONSTRUCTION. THE WELL DISTRIBUTION PIPING FOR THE WELL SUPPLY WILL BE REPLACED AND RE-ROUTED TO A NEW AIR GAP ASSEMBLY LOCATED WITHIN THE EXISTING WELL YARD.

THE EXISTING IRRIGATION PUMP STATION WILL BE REMOVED AND REPLACED DURING CONSTRUCTION. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE TEMPORARY WATER AND PRESSURE SOURCES TO MAINTAIN PHASE ONE IRRIGATION WHILE THE LAKE AND PUMP ARE BEING RENOVATED. NEW CONSTRUCTION WILL INCLUDE INSTALLATION OF A NEW VERTICAL TURBINE PUMPING SYSTEM, SECONDARY POTABLE WATER BOOSTER PUMPING SYSTEM, LAKE WATER RECIRCULATION SYSTEM, STREAM WATER RECIRCULATION SYSTEM, LAKE FILL PIPING, LAKE LEVEL CONTROLS, AND LAKE BOTTOM AERATION SYSTEM.

A NEW VERTICAL TURBINE IRRIGATION PUMP STATION WILL PUMP WATER FROM THE LAKE AT THE REQUIRED PRESSURE AND FLOW RATE TO THE NEW PHASE TWO AND EXISTING PHASE ONE IRRIGATION SYSTEMS. THE PUMPING SYSTEM WILL INCLUDE MULTIPLE MAIN VERTICAL TURBINE PUMPS, SUBMERSIBLE JOCKEY AND PRESSURE MAINTENANCE PUMPS, A LAKE RE-CIRCULATION VERTICAL TURBINE PUMP AND A STREAM WATER FEATURE VERTICAL TURBINE PUMP LOCATED ON A PRE-FABRICATED PUMP SKID, INSTALLED ABOVE A NEW PRE-CAST CONCRETE WET-WELL.

AN EXISTING POTABLE WATER CONNECTION WILL BE RECONFIGURED TO SERVE AS A SECONDARY WATER SUPPLY FOR THE LAKE AND IRRIGATION SYSTEM. WATER FROM THE POTABLE SOURCE WILL BE PUMPED DIRECTLY INTO THE MAIN PUMP STATION WET WELL. A BYPASS WITH A SEPARATE IN-LINE BOOSTER PUMP ASSEMBLY WILL PROVIDE THE OPTION TO PUMP POTABLE WATER DIRECTLY INTO THE IRRIGATION MAINLINE SYSTEM.

LAKE LEVEL PROBES WILL BE LOCATED IN THE NEW IRRIGATION PUMP STATION WET WELL AND WILL PROVIDE STOP/START SIGNALS TO THE EXISTING WELL PUMP CONTROL PANEL AND A NEW SOLENOID CONTROL VALVE FOR THE NEW SECONDARY POTABLE SUPPLY TO MAINTAIN THE WATER LEVEL WITHIN THE LAKE.

THE LAKE RE-CIRCULATION SYSTEM WILL PROVIDE PRESSURIZED WATER THROUGH A PVC PIPE THAT DISCHARGES AT MULTIPLE POINTS AROUND THE LAKE. ISOLATION GATE VALVES WILL FUNCTION AS BALANCE CONTROL VALVES TO REGULATE FLOW AROUND THE LAKE. THE FLOW TO THE LAKE RECIRCULATION SYSTEM IS PROVIDED BY A DEDICATED VERTICAL TURBINE PUMP LOCATED ON THE NEW IRRIGATION PUMP SKID.

THE EXISTING STREAM WATER FEATURE LOCATED IN THE DERFELT SENIOR CENTER COURTYARD WILL UNDERGO A COMPLETE RENOVATION. THE NEW WATER FEATURE WILL INCORPORATE THE EXISTING ROCK WATER FOUNTAIN LOCATED IN THE COURTYARD ADJACENT TO THE DERFELT SENIOR CENTER. THE STREAM WATER FEATURE WILL INCORPORATE A NEW GEOSYNTHETIC LINING SYSTEM. THE STREAM WATER FEATURE RECIRCULATION SYSTEM WILL TRANSFER WATER FROM THE LAKE TO A DISCHARGE LOCATION AT THE HEAD OF THE STREAM WATER FEATURE PROVIDING A CONTINUAL FLOWING STREAM EFFECT. FLOW TO THE STREAM WATER FEATURE IS PROVIDED BY A DEDICATED VERTICAL TURBINE PUMP LOCATED ON THE NEW IRRIGATION PUMP SKID. FLOW WILL TERMINATE INTO A POOL AT THE BOTTOM OF THE FEATURE AND DRAIN DIRECTLY BACK INTO THE LAKE.

SLEEVE SIZING SCHEDULE

PIPE SIZE (INCHES)	MINIMUM SLEEVE SIZE (INCHES)
2	4
2.5	6
3	8
4	14
6	16
8	20
10	24

NOTE:
1. ALL SLEEVES FOR WIRES ARE TO BE A MINIMUM OF 3 INCHES IN DIAMETER.
2. AERATION TRANSITION SLEEVES ARE BE 8-INCHES MINIMUM DIAMETER (2 TOTAL). REFER TO SHEET IL-1.19.

GENERAL NOTES - IRRIGATION LAKE, PUMP AND STREAM WATER FEATURE

1. THE CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE RENOVATION OF THE IRRIGATION/URBAN FISHING LAKE, IRRIGATION PUMPING SYSTEM, RENOVATION OF THE STREAM WATER FEATURE AND RESTORATION OF THE FINAL GRADE AS SHOWN IN THE CONSTRUCTION DOCUMENTS.
2. THE VERTICAL TURBINE IRRIGATION PUMPING SYSTEM, LAKE RE-CIRCULATION SYSTEM AND STREAM WATER FEATURE RE-CIRCULATION SYSTEM ARE DESIGNED TO PRODUCE A DYNAMIC PRESSURE AND DISCHARGE FLOW AS INDICATED IN THE PUMP STATION GENERAL NOTES AND DETAILS. REFER TO SHEETS IL-1.13 THROUGH IL-1.17 FOR ADDITIONAL INFORMATION.
3. VERIFY EXISTING SITE CONDITIONS AND THE LOCATIONS OF EXISTING PIPE OR WIRING PRIOR TO CONSTRUCTION. REPAIR OR REPLACE ANY DAMAGE TO EXISTING SITE, LANDSCAPE, PIPING, OR WIRING THAT IS CAUSED BY OR IS THE RESULT OF THIS CONSTRUCTION.
4. READ THOROUGHLY AND BECOME FAMILIAR WITH THE SPECIFICATIONS AND INSTALLATION DETAILS FOR THIS AND RELATED WORK PRIOR TO CONSTRUCTION.
5. COORDINATE UTILITY LOCATES ("CALL BEFORE YOU DIG") OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
6. DO NOT PROCEED WITH CONSTRUCTION OF THESE SYSTEMS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING, OR IF DISCREPANCIES IN CONSTRUCTION DETAILS, LEGEND, NOTES, OR SPECIFICATIONS ARE DISCOVERED. BRING ALL SUCH OBSTRUCTIONS OR DISCREPANCIES TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
7. THE DRAWINGS ARE DIAGRAMMATIC. SYSTEM COMPONENTS MAY BE SHOWN OUTSIDE CONSTRUCTION AREAS FOR CLARITY. AVOID CONFLICTS BETWEEN THE SYSTEM, EXISTING SITE FEATURES, ARCHITECTURAL FEATURES AND LANDSCAPE FEATURES. INSTALL SYSTEM COMPONENTS WITHIN LIMITS OF PROJECT CONSTRUCTION AREAS.
8. PROVIDE THE FOLLOWING COMPONENTS TO THE OWNER PRIOR TO THE COMPLETION OF THE PROJECT:
   A. TWO OPERATING KEYS FOR EACH TYPE OF MANUALLY OPERATED VALVE.
   B. OPERATION AND MAINTENANCE MANUALS PER THE SPECIFICAITONS.
9. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF SYSTEM SLEEVING. SLEEVES ARE TO BE INSTALLED FOR BOTH PIPING AND ELECTRICAL WIRING AT EACH HARDSCAPE CROSSING AND AS REQUIRED TO CLEAR BUILDING FOOTINGS. COORDINATE INSTALLATION OF SLEEVING WITH OTHER TRADES ONSITE. ANY PIPE OR WIRE WHICH PASSES BENEATH EXISTING HARDSCAPE WHERE SLEEVING WAS NOT INSTALLED REQUIRES HORIZONTAL BORING BY THE CONTRACTOR. SIZE SLEEVES PER THE SLEEVE SIZING SCHEDULE ON THIS SHEET.
10. PROVIDE AND CONNECT ALL ELECTRICAL POWER TO THE SYSTEM IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL ELECTRIC UTILITY CODES.
11. WITH REGARD TO PIPE SIZING, THE FOLLOWING SHOULD BE NOTED:
    A. IF A SECTION OF UN-SIZED PIPE IS LOCATED BETWEEN TWO IDENTICALLY SIZED SECTIONS, THE UN-SIZED PIPE IS THE SAME NOMINAL SIZE AS THE TWO SIZED SECTIONS. THE UN-SIZED PIPE SHOULD NOT BE CONFUSED WITH THE DEFAULT PIPE SIZE NOTED IN THE LEGEND.

CONSTRUCTION NOTES - IRRIGATION LAKE AND PUMP

1. THE CONTRACTOR IS RESPONSIBLE FOR DRAINING THE EXISTING IRRIGATION/URBAN FISHING LAKE IN PREPARATION FOR DEEPENING AND RESHAPING OF THE LAKE DURING CONSTRUCTION. THE CONTRACTOR WILL PERFORM THE FOLLOWING:
   A. UTILIZE THE EXISTING IRRIGATION PUMP STATION AND OPERATION OF THE PHASE ONE IRRIGATION SYSTEM FOR PRIMARY DRAINAGE OF THE EXISTING IRRIGATION/URBAN FISHING LAKE. CONTINUE WITH THIS OPERATION UNTIL THE LAKE WATER LEVEL FALLS BELOW THE EXISTING INTAKES OR THE PRESENCE OF SOLIDS WILL NOT ALLOW FOR THE CONTINUATION OF PUMPING WHILE ALSO MAINTAINING THE INTEGRITY OF THE PHASE ONE IRRIGATION SYSTEM. THE CONTRACTOR WILL MONITOR THE QUALITY OF WATER IN THE LAKE AND COORDINATE REGULARLY WITH CITY REPRESENTATIVES TO DETERMINE WHEN TO CEASE USE OF THE EXISTING PUMPS, PHASE ONE IRRIGATION SYSTEM AND EQUIPMENT.
   B. ONCE IT IS DETERMINED THAT SOLIDS WILL NOT ALLOW FOR DRAINING OF THE LAKE USING THE EXISTING IRRIGATION PUMP AND THE PHASE ONE IRRIGATION SYSTEM THE CONTRACTOR WILL USE REASONABLE MEANS AND METHODS TO REMOVE REMAINING WATER, REMOVE AND DISPOSE OF MUCK AND THE EXISTING BENTONITE CLAY LINER. REMAINING WATER, MUCK AND CLAY WASTE MATERIAL IS NOT TO BE USED ONSITE DURING CONSTRUCTION AND SHOULD BE DISPOSED OF IN A MANNER AS DIRECTED BY CITY OF LAS VEGAS REPRESENTATIVES. THE CONTRACTOR MAY NOT USE THE PHASE ONE AREA FOR STORAGE OF ANY WASTE MATERIALS DURING LAKE DRAINAGE OR CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH CITY OF LAS VEGAS REPRESENTATIVES AND STATE OF NEVADA DEPARTMENT OF WILDLIFE TO ARRANGE CESSATION OF FISH STOCKING PROCEDURES PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL ALSO COORDINATE FOR A FISH SALVAGE EFFORT PRIOR TO COMPLETE DRAINING OF THE LAKE. STATE OF NEVADA FISH AND WILDLIFE CONTACT: JON SJOBERG, (702) 486-5127.
3. WHILE THE EXISTING IRRIGATION STORAGE LAKE AND PUMPING SYSTEM ARE BEING RENOVATED DURING PHASE TWO CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A TEMPORARY SOURCE OF IRRIGATION WATER AND SUPPLEMENTAL PRESSURE AS REQUIRED TO MAINTAIN OPERATION OF THE EXISTING PHASE ONE IRRIGATION SYSTEM UNTIL THE COMPLETION OF PHASE TWO CONSTRUCTION. THE CONTRACTOR WILL COORDINATE WITH CITY REPRESENTATIVES FOR OPERATION OF THE PHASE ONE IRRIGATION SYSTEM DURING CONSTRUCTION. THE CONTRACTOR IS REQUIRED TO OPERATE THE EXISTING WELL PUMP FOR A MINIMUM OF 30 MINUTES, ONCE EVERY 4 WEEKS TO MAINTAIN OPERATION OF THE WELL PUMP AND MOTOR. COORDINATE WITH CITY REPRESENTATIVES FOR TYPICAL PERIODIC MAINTENANCE OF THE WELL PUMP AND MOTOR. THE CONTRACTOR WILL UTILIZE THE WATER FROM THE WELL FOR ONSITE USE ONLY AND HAS THE OPTION TO UTILIZE ONE OF THE FOLLOWING FOR A TEMPORARY WATER AND PRESSURE SOURCE:
   A. UTILIZE THE EXISTING 6-INCH WATER SERVICE OFF OF WASHINGTON AVENUE ALONG WITH A TEMPORARY PRESSURE SOURCE WHILE CONTINUING TO SERVICE AND OPERATE THE WELL PUMP AS DESCRIBED ABOVE.
   B. -OR- PROVIDE A MINIMUM OF TWO (2) 21,000 GALLON TEMPORARY STORAGE TANKS TO BE FILLED USING THE EXISTING WELL PUMP CAPABLE OF PROVIDING APPROXIMATELY 900 GPM. INSTALL WATER LEVEL CONTROLS WITHIN ONE OF THE TANKS TO SIGNAL ACTIVATION OF THE EXISTING IRRIGATION WELL PUMP THROUGH THE WELL PUMP CONTROL SYSTEM TO MAINTAIN WATER LEVEL WITHIN THE TANKS. ADJUST LEVEL CONTROLS TO MINIMIZE CYCLING OF EXISITING WELL PUMP TO TWO STARTS PER HOUR. PROVIDE ALL TEMPORARY PIPE, FITTINGS AND CONNECTIONS BETWEEN THE EXISTING WELL PUMP, THE TEMPORARY STORAGE TANKS AND THE EXISTING PHASE ONE IRRIGATION SYSTEM. FURNISH A TEMPORARY BOOSTER PUMP CAPABLE OF PROVIDING A DISCHARGE PRESSURE OF 90 PSI AT A MAXIMUM FLOW RATE OF APPROXIMATELY 700 GPM IN ORDER TO SERVICE THE PHASE ONE IRRIGATION SYSTEM REQUIREMENTS DURING CONSTRUCTION. THE EXISTING WELL PUMP IS NOT TO BE UTILIZED AS A DIRECT SOURCE OF WATER AND PRESSURE FOR TEMPORARY PHASE ONE IRRIGATION DURING CONSTRUCTION.

RECORD AS-BUILT

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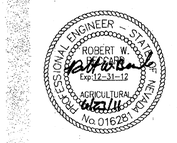
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J W Z U N I N O

LORENZI PARK RENOVATION
PHASE 2
CITY OF LAS VEGAS
100% SUBMITTAL
IRRIGATION LAKE & WATER FEATURE NOTES

STAMP



OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

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PHONE: (702) 229-6535
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DATE	06/21/2011
SCALE	
BID NO	10.1534.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	IL-1.1

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FLAG NOTES

(1) SEE IRRIGATION PUMP, WET WELL AND INTAKE SYSTEM DETAILS FOR PROVISION AND INSTALLATION OF VERTICAL TURBINE IRRIGATION PUMP SKID, INTAKE SCREEN AND PIPE, AND PRE-CAST CONCRETE WET WELL. COORDINATE 480 VAC, 3 PHASE ELECTRICAL SERVICE FOR THE PUMP EQUIPMENT TO BE PROVIDED BY ELECTRICAL SUB-CONTRACTOR TO THIS LOCATION (SEE ELECTRICAL DRAWINGS). PROVIDE ALL WIRE, CONDUIT AND CONDUCTORS TO MAKE ALL NECESSARY CONNECTIONS TO THE NEW SKID MOUNTED VERTICAL TURBINE PUMP SYSTEM CONTROL PANEL AS DIRECTED BY MANUFACTURER'S REPRESENTATIVE.

(2) PROVIDE STUB-OUT BELOW GRADE FROM VERTICAL TURBINE OR BOOSTER PUMP SYSTEM DISCHARGE FOR IRRIGATION SYSTEM MAINLINE PIPE CONNECTION. SIZE PER PLAN AND REFER TO SHEETS IL-1.15 THRU IL-1.17 FOR ADDITIONAL INFORMATION. REFER TO IRRIGATION PLANS FOR MAINLINE ROUTING DOWNSTREAM OF THIS LOCATION.

(3) ROUTE LAKE RECIRCULATION PIPING THROUGH POND EDGE OR RETAINING WALL IN THE APPROXIMATE LOCATION SHOWN WITH A PIPE INVERT ELEVATION OF APPROXIMATELY 2111'. INSTALL PIPING, INSTALL PIPE BOOT OR WATERSTOP FLANGE AND SEAL WATERTIGHT PER DETAIL 2, SHEET IL-1.9 OR DETAIL 1, SHEET IL-1.8 RESPECTIVELY. COORDINATE EXACT PIPE ROUTING WITH OWNER'S REPRESENTATIVE ON SITE PRIOR TO CONSTRUCTION.

(4) LAKE RE-CIRCULATION ISOLATION GATE VALVES MAY BE SHOWN INSIDE LAKE PERIMETER FOR GRAPHIC CLARITY ONLY. INSTALL ALL GATE VALVES OUTSIDE OF LAKE LINING AND IN LOCATIONS WHERE FINISHED GRADE ELEVATION IS ABOVE 2014'.

(5) ROUTE INTAKE PIPE THROUGH POND EDGE IN THE APPROXIMATE LOCATION SHOWN. INSTALL PIPING AND PIPE BOOT PER DETAIL 2, SHEET IL-1.8. COORDINATE EXACT PIPE ROUTING WITH OWNER'S REPRESENTATIVE ON SITE PRIOR TO CONSTRUCTION.

(6) ROUTE LAKE FILL PIPING THROUGH POND EDGE IN THE APPROXIMATE LOCATION SHOWN WITH A PIPE INVERT ELEVATION OF 2111.5'. INSTALL WATERSTOP FLANGE TRANSITION THROUGH WALL AND SEAL WATERTIGHT PER DETAIL 1, SHEET IL-1.8. COORDINATE EXACT PIPE ROUTING WITH OWNER'S REPRESENTATIVE ON SITE PRIOR TO CONSTRUCTION.

(7) ROUTE LAKE BALANCE PIPE THROUGH POND EDGE IN THE APPROXIMATE LOCATION SHOWN APPROXIMATELY 24-INCHES OFF OF THE FINISHED BOTTOM OF POND ELEVATION. INSTALL PIPING AND PIPE BOOT PER DETAIL 1, SHEET IL-1.10. COORDINATE EXACT PIPE ROUTING WITH OWNER'S REPRESENTATIVE ON SITE PRIOR TO CONSTRUCTION.

(8) FURNISH AND INSTALL TWO (2) 3-INCH HDPE, SDR-9 PIPES FOR TRANSITION OF IRRIGATION MAINLINE PIPE AND LOW VOLTAGE CONTROL WIRE BETWEEN MAIN SITE AND THE NORTH AND SOUTH ISLANDS TO SERVICE THE IRRIGATION REQUIREMENTS ON EACH ISLAND (SEE DETAIL 3, SHEET IL-1.10). INSTALL HDPE PIPES A MINIMUM OF 12-INCHES BELOW LINER AND GEOTEXTILES TO AVOID PENETRATION INTO LAKE. COORDINATE WITH THE IRRIGATION PLANS FOR THE LOCATION OF PIPE ENDS FOR CONNECTION AND CONTINUED INSTALLATION OF IRRIGATION SYSTEM COMPONENTS. COORDINATE EXACT SLEEVE LOCATION WITH OWNER'S REPRESENTATIVE ON SITE PRIOR TO CONSTRUCTION.

(9) ROUTE FILTER BACKWASH PIPE TO POND EDGE IN THE APPROXIMATE LOCATION SHOWN. INSTALL PIPING AND PENETRATE POND EDGE WITH A PIPE INVERT OF 2113.08' AND PER DETAIL 2, SHEET IL-1.10. COORDINATE EXACT DISCHARGE LOCATION WITH OWNER'S REPRESENTATIVE ON SITE PRIOR TO CONSTRUCTION.

(10) LOCATE, EXCAVATE AND EXPOSE EXISTING ROCK WATER FEATURE SUPPLY PIPE AT THE APPROXIMATE LOCATION INDICATED. CUT PIPE AND ABANDON UPSTREAM PORTION. USE THE NECESSARY FITTINGS AND REPAIR COUPLINGS TO CONNECT TO DOWNSTREAM END OF EXISTING SUPPLY PIPE TO NEW WATER FEATURE SUPPLY PIPE AT THIS LOCATION. BACKFILL AND COMPACT TO MATCH SURROUNDING CONDITIONS.

(11) ROUTE WATER FEATURE PRIMARY DRAIN PIPING THROUGH POND EDGE IN THE APPROXIMATE LOCATION SHOWN. INSTALL PIPING AND PENETRATE POND EDGE WITH A PIPE INVERT OF 2112' AND PER DETAIL 1, SHEET IL-1.8. COORDINATE EXACT PIPE ROUTING WITH OWNER'S REPRESENTATIVE ON SITE PRIOR TO CONSTRUCTION.

(12) ROUTE WATER FEATURE SECONDARY MAINLINE DRAIN PIPE TO POND EDGE IN THE APPROXIMATE LOCATION SHOWN. INSTALL PIPING AND PENETRATE POND EDGE WITH A PIPE INVERT OF 2113.08' AND PER DETAIL 2, SHEET IL-1.10. COORDINATE EXACT DISCHARGE LOCATION WITH OWNER'S REPRESENTATIVE ON SITE PRIOR TO CONSTRUCTION.

(13) FURNISH AND INSTALL DEDICATED #10-1 AWG LOW VOLTAGE CONTROL WIRE, COMMON WIRE AND SPARE WIRE FROM PUMP START TERMINALS (24 VAC) LOCATED IN THE WATER LEVEL CONTROL PANEL OF NEW SKID-MOUNTED IRRIGATION PUMP STATION TO THE EXISTING WELL PUMP CONTROL PANEL AT APPROXIMATE LOCATION SHOWN. PROVIDE SOLID STATE RELAY AT WELL PUMP CONTROL PANEL TO ALLOW FOR AUTOMATIC ACTIVIATION OF THE WELL PUMP SYSTEM FROM THE SIGNAL SENT FROM THE NEW VERTICAL TURBINE PUMP CONTROL PANEL. MAKE REQUIRED CONNECTIONS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND LOCAL CODES. COORDINATE WITH OTHER TRADES ONSITE AS NECESSARY.

(14) FURNISH EQUIPMENT AND MATERIALS REQUIRED TO INSTALL SECONDARY POTABLE MAKE-UP WATER BYPASS AND AIR-GAP ON INTERIOR OF PUMP STATION BUILDING FOR DISCHARGE INTO MAIN VERTICAL TURBINE PUMP SYSTEM WET WELL. REFER TO PUMP DETAILS FOR ADDITIONAL INFORMATION REGARDING PIPE SIZING, BUILDING LAYOUT AND DIMENSION REQUIREMENTS.

(15) LOCATE DOMESTIC WATER SERVICE PIPE AT THE APPROXIMATE LOCATION INDICATED OFF OF POTABLE SERVICE AND DOWNSTREAM OF BACKFLOW PREVENTER. REFER TO IRRIGATION PLANS FOR SIZING, LOCATION AND ROUTING OF PIPE AND EQUIPMENT UPSTREAM OF THIS CONNECTION. PROVIDE AND INSTALL THE NECESSARY FITTINGS AND REPAIR COUPLINGS TO MAKE CONNECTION TO PIPE AND CONTINUE INSTALLATION TO SERVICE THE SECONDARY POTABLE MAKE-UP WATER REQUIREMENTS OF THE IRRIGATION LAKE AND THE NEW IRRIGATION BOOSTER PUMP ASSEMBLY.

(16) BOOSTER PUMP ASSEMBLY: FURNISH AND INSTALL PREFABRICATED IRRIGATION BOOSTER PUMPING ASSEMBLY AT THIS APPROXIMATE LOCATION (SEE SHEETS IL-1.14 AND IL-1.17 FOR ADDITIONAL INFORMATION). COORDINATE 480 VAC, 3 PHASE ELECTRICAL SERVICE FOR THE BOOSTER PUMP TO BE PROVIDED BY ELECTRICAL SUB-CONTRACTOR TO THIS LOCATION (SEE ELECTRICAL DRAWINGS). PROVIDE WIRE AND CONDUIT AND MAKE ALL NECESSARY CONNECTIONS TO THE NEW SKID MOUNTED VERTICAL TURBINE PUMP SYSTEM CONTROL PANEL FOR SYSTEM MONITORING AS DIRECTED BY MANUFACTURER'S REPRESENTATIVE.

(17) LOCATE EXISTING 8-INCH WELL DISCHARGE PIPE AND VALVES LOCATED DOWNSTREAM OF EXISTING WELL PUMP WITHIN THE EXISTING WELL YARD ENCLOSURE. CLOSE EXISTING 8-INCH ISOLATION GATE VALVE CLOSEST TO THE WELL PUMP. EXCAVATE, EXPOSE, CUT AND REMOVE EXISTING PIPE AND VALVES DOWNSTREAM OF FLANGE ON 8-INCH ISOLATION VALVE. ABANDON EXISTING DISCHARGE PIPES APPROXIMATELY 12-INCHES BELOW GRADE. REPAIR EXISTING CONCRETE DISTURBED DURING THE REMOVAL PROCESS TO MATCH ORIGINAL CONDITIONS. REPAIR ALL DAMAGE CAUSED TO ENCLOSURE WALLS DURING THE CONSTRUCTION PROCESS. CONNECT TO FLANGED END DOWNSTREAM OF EXISTING GATE VALVE AND ROUTE PIPING TO NEW AIR GAP ASSEMBLY PER DETAIL 2, SHEET IL-1.11 FOR THE PRIMARY MAKE-UP WATER REQUIREMENTS FOR THE IRRIGATION LAKE.

(18) CONTRACTOR MUST HAND DIG TRENCHES IN THIS AREA AS REQUIRED TO PROTECT THE ROOTS AND ROOTBALLS OF THE EXISTING TREES. COORDINATE AND STAKE PIPE ROUTING WITH CITY REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.

(19) GRADING AND EDGE TREATMENTS FOR THE NORTH ISLAND ARE SHOWN WITH ISLAND BUILD-OUT AT MAXIMUM SIZE. ADJUST GRADING AND EDGE TREATMENTS AT INTERVALS EQUAL TO THAT SHOWN ON THE PLAN TO ACCOMMODATE ANY REQUIRED CHANGES TO THE SIZE OF THE NORTH ISLAND (REFER TO LANDSCAPE PLANS FOR ADDITIONAL INFORMATION).

(20) THE HATCHED AREA INDICATES THE PROPOSED LOCATION FOR POTENTIAL TEMPORARY IRRIGATION WATER STORAGE TANKS AND PUMPING EQUIPMENT. REFER TO NOTE #3 OF THE IRRIGATION LAKE AND PUMP CONSTRUCTION NOTES AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

(21) AT ALL WALL TERMINATION LOCATIONS THE CONTRACTOR IS TO TRANSITION INSTALLATION OF LINER AROUND THE END OF WALL AND ALONG THE BACK SIDE OF THE WALL. THE LINER SHOULD BE INSTALLED A MINIMUM OF 12-INCHES BELOW FINISH GRADE. TERMINATE LINER AT AN ELEVATION OF 2113.5' AND BACKFILL OVER LINER TO MEET FINISH GRADE. REFER TO DETAILS 1 & 3, SHEET IL-1.7 FOR CONCRETE LINER ATTACHMENT DETAIL. CONTINUE INSTALLATION OF LINER ANCHOR TRENCH FROM THIS TRANSITION LOCATION PER THE SOFT LAKE EDGE LINER DETAILS.

(22) DRAIN EXISTING LAKE, REMOVE AND DISPOSE OF EXISTING MUCK AND BENTONITE CLAY LINER MATERIAL AS DIRECTED IN NOTE #1 OF THE IRRIGATION LAKE AND PUMP CONSTRUCTION NOTES AND THE SPECIFICATIONS. EXCAVATE, RESHAPE, GRADE AND COMPACT THE LAKE BOTTOM AND SIDE SLOPES AS REQUIRED TO INSTALL AND ANCHOR NEW LAKE LINER AND GEOTEXTILE FABRICS ALONG ENTIRE LAKE BOTTOM. PREPARE TOP-SOIL FILL, PLACE AND COMPACT ALONG THE LAKE BOTTOM AS INDICATED IN THE DETAILS, SPECIFICATIONS AND AS REQUIRED TO MEET THE FINISH GRADES SPECIFIED IN THE PLANS. INSTALL LAKE EDGE TREATMENTS AS SHOWN IN THE DETAILS AND AS DESCRIBED IN THE SPECIFICATIONS. REFER TO CIVIL GRADING AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.

(23) ONCE LAKE CONSTRUCTION HAS BEEN COMPLETED, ALL REQUIRED TESTING PROCEDURES ARE COMPLETE PER THE CONSTRUCTION DOCUMENTS AND APPROVAL IS PROVIDED BY CITY REPRESENTATIVES THE CONTRACTOR IS TO UTILIZE THE EXISTING WELL PUMP TO FILL THE LAKE THROUGH THE NEW AIR-GAP ASSEMBLY. THE CONTRACTOR HAS THE OPTION TO UTILIZE THE POTABLE MAKE-UP WATER LINE ONLY WITH PRIOR CITY OF LAS VEGAS APPROVAL.

(24) FURNISH AND INSTALL ONE (1) 3/4-INCH HDPE, SDR-9 PIPE FOR TRANSITION OF DOMESTIC WATER PIPE BETWEEN MAIN SITE AND THE SOUTH ISLAND (SEE DETAIL 3, SHEET IL-1.10). INSTALL 3/4-INCH DOMESTIC HDPE PIPE IN SEPARATE TRENCH ADJACENT TO 3-INCH HDPE IRRIGATION WIRE CONDUIT (OPPOSITE HDPE IRRIGATION MAINLINE PIPE) WITH A MINIMUM OF 36-INCHES IN HORIZONTAL SEPARATION. INSTALL PIPE A MINIMUM OF 12-INCHES BELOW LINER AND GEOTEXTILES TO AVOID PENETRATION INTO LAKE. COORDINATE WITH THE UTILITY PLANS FOR THE LOCATION OF PIPE ENDS FOR CONNECTION AND CONTINUED INSTALLATION OF DOMESTIC WATER LINE. COORDINATE EXACT SLEEVE LOCATION WITH OWNER'S REPRESENTATIVE ON SITE PRIOR TO CONSTRUCTION.

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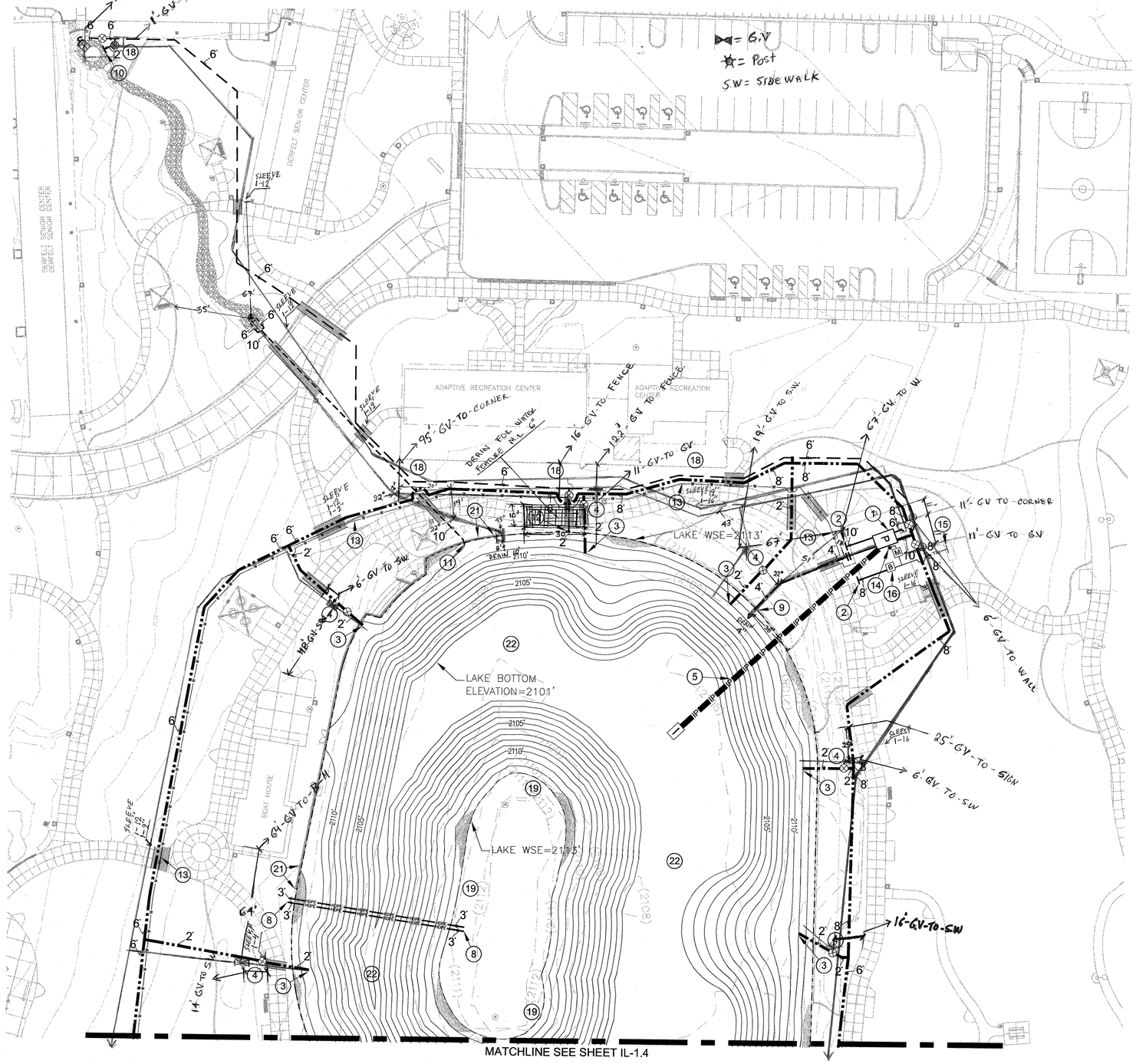
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SCALE	
BID NO	10.15341.04
CLV DWG NO	650.19-47-2
HANSEN NO	33039
SHT NO	IL-1.2

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LEGEND

- P — PREFABRICATED SKID MOUNTED IRRIGATION PUMP STATION (SEE SHEETS IL-1.13 THRU IL-1.16)
  - *IRRIGATION PUMPS: 3x50 HP, 1x15 HP, 1x3 HP
  - *LAKE RECIRCULATION PUMP: 1x20 HP
  - *WATER FEATURE PUMP: 1x5 HP
- IP IP — PUMP STATION INTAKE PIPE
  - *TYPE: HDPE SDR 32.5
  - *SIZE: 30-INCH
- I — PUMP STATION INTAKE SCREEN (DETAIL 2, SHEET IL-1.8)
- POINT-OF-CONNECTION
- FILTER FLUSH PIPE
  - *CLASS 200 PVC
  - *SIZE: SEE PLAN FOR SIZE
- LAKE RECIRCULATION PIPE
  - *CLASS 200 PVC
  - *SIZE: SEE PLAN FOR SIZE
- ⊗ — ISOLATION GATE/BALANCE CONTROL VALVE ASSEMBLY (DETAIL 1, SHEET IL-1.5)
  - *SIZE: MATCH NOMINAL PIPE SIZE
  - *TYPE (4-INCH AND LARGER): NIBCO P-619-RW OR EQUAL
  - *TYPE (2-INCH): NIBCO T-113-K OR EQUAL
- B B B — LAKE BALANCE PIPE
  - *CLASS C905, SDR-18 PVC
  - *SIZE: 18-INCH
- FILL FILL — LAKE FILL PIPE FROM WELL/POTABLE
  - *CLASS 200 PVC
  - *SIZE: SEE PLAN FOR SIZE
- STREAM WATER FEATURE SUPPLY PIPE
  - *CLASS 200 PVC
  - *SIZE: SEE PLAN FOR SIZE
- STREAM WATER FEATURE DRAIN/RETURN PIPE
  - *CLASS 200 PVC
  - *SIZE: SEE PLAN FOR SIZE
- W W W — WELL PUMP START CABLE
  - *TYPE: #10-1 AWG UF\UL AWG DIRECT BURY
  - *3 WIRES: 1 CONTROL, 1 COMMON, 1 SPARE
- B — IRRIGATION BOOSTER PUMP ASSEMBLY (POTABLE SOURCE)
  - *PUMP: 1x25 HP (SEE DETAIL SHEETS IL-1.14 AND IL-1.17)
- M — LAKE FILL/MAKE-UP WATER SOLENOID VALVE ASSEMBLY (SEE SHEET IL-1.14)
  - *SIZE: 6-INCH
  - *NORMALLY CLOSED
- G — WELL MAKE-UP WATER AIR GAP ASSEMBLY (DETAIL 2, SHEET IL-1.11)
- ⊞ — STREAM WATER FEATURE SUPPLY ASSEMBLY (DETAIL 1, SHEET IL-1.11)
  - *TYPE: ROMAN FOUNTAINS RAVS-2400-DD
- ⊙ — STREAM WATER FEATURE DRAIN ASSEMBLY (DETAIL 4, SHEET IL-1.12)
  - *TYPE: ROMAN FOUNTAINS RAVS-2400-CC
- SLEEVING
  - CLASS 200 PVC (12-INCH AND SMALLER)
  - C905 PVC (14-INCH AND LARGER)
  - * SIZE: SEE SLEEVE SIZING SCHEDULE (SHEET IL-1.1)
- HDPE HDPE — HDPE IRRIGATION MAINLINE/CONDUIT
  - * HDPE, SDR 9
  - * SIZE PER PLAN: (SEE DETAIL 3, SHEET IL-1.10)
- LAKE WATER SURFACE BOUNDARY (ELEV. = 2113')
- 2116' — NEW LAKE CONTOUR & ELEVATION
- (2110) — EXISTING LAKE CONTOUR & ELEVATION
- VALVE BOXES
  - *BROOKS PRECAST OR EQUAL CONCRETE VALVE BOX WITH LOCKABLE METAL LIDS

6/26/13

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SCALE: 1" = 30'-0"

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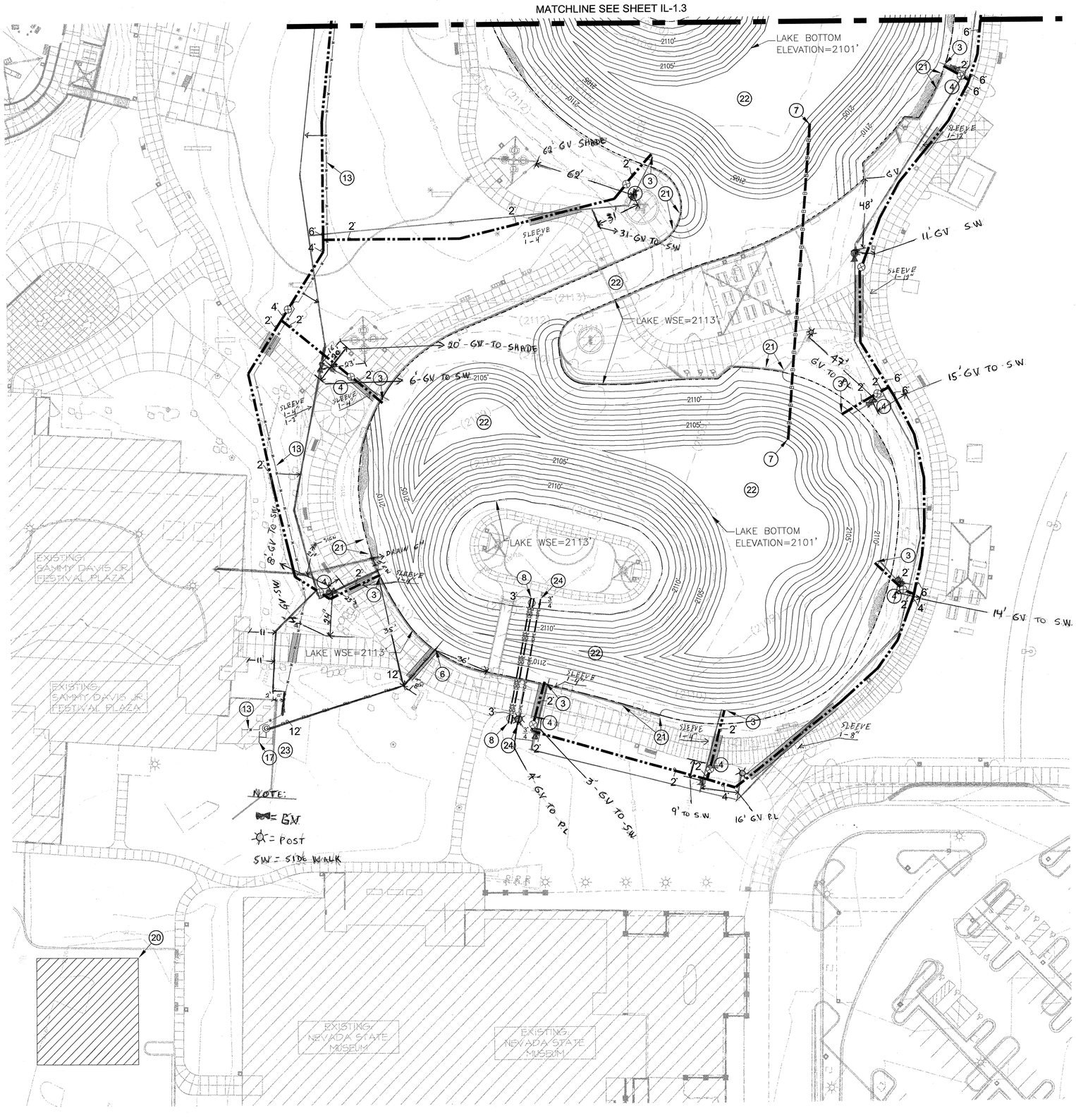
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  * HDPE, SDR 9
  * SIZE PER PLAN: (SEE DETAIL 3, SHEET IL-1.10)
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jwzutino.com
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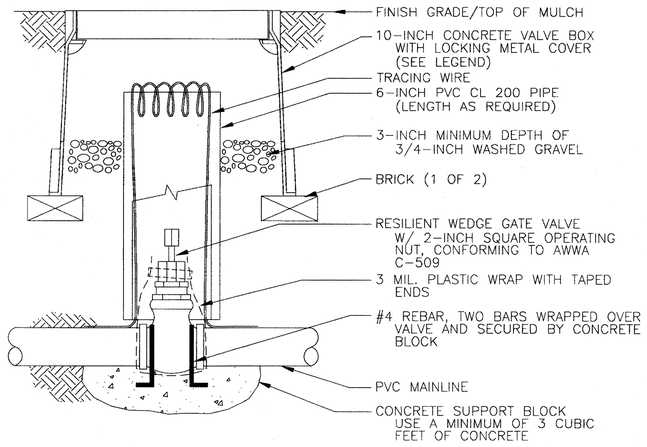
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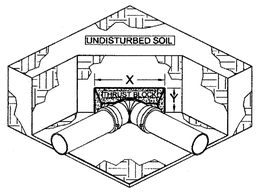
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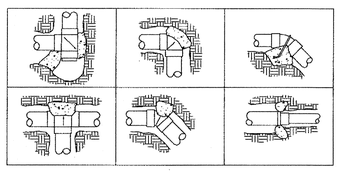


NOTES:
1. NOMINAL SIZE OF GATE VALVE TO MATCH NOMINAL MAINLINE SIZE.
2. INSTALL A 4-INCH THICK CONCRETE PAD BELOW VALVE WITH NO. 4 REBAR WHEN USING PUSH ON TYPE VALVES.
3. RESILIENT WEDGE GATE VALVE MAY HAVE EITHER MECHANICAL JOINT OR PUSH-ON GASKETED ENDS. THE OPERATOR IS A 2-INCH SQUARE-WRENCH NUT.
4. ANCHOR ISOLATION VALVE TO CONCRETE BY BENDING REBAR OVER EACH END OF VALVE AND EXTENDING A MINIMUM OF 6-INCHES INTO CONCRETE SUPPORT BLOCK.
5. WRAP VALVE ENDS AND BODY IN 3 MIL. PLASTIC PRIOR TO POURING CONCRETE.
6. CONCRETE SUPPORT BLOCK IS TO BE POURED UNDER ISOLATION GATE VALVE. THE ISOLATION GATE VALVE IS NOT TO BE SET IN THE CONCRETE.

1 ISOLATION GATE /BALANCE CONTROL VALVE ASSEMBLY (4-INCH AND LARGER) ⊗

N.T.S.





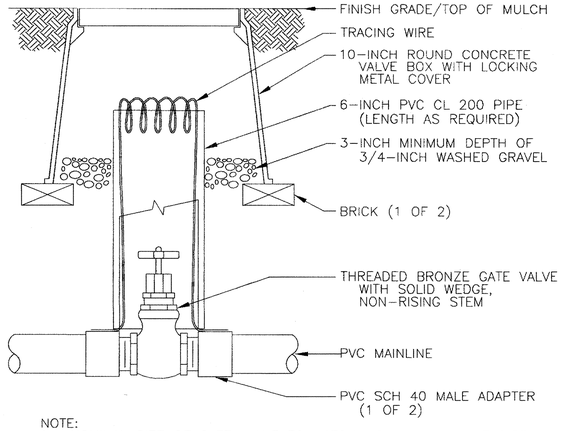
THRUST BLOCK SURFACE AREA (SF) AGAINST UNDISTURBED SOIL (X x Y)= (SF)

FITTING SIZE	11 1/4° BEND(SF)	22 1/2° BEND(SF)	45° BEND (SF)	90° BEND (SF)	TEE OR DEAD END(SF)
3"	0.35	0.66	1.29	2.35	1.67
4"	0.56	1.08	2.12	3.87	2.75
6"	1.21	2.33	4.58	8.37	5.94
8"	2.05	3.96	7.78	14.22	10.10
10"	3.18	6.15	12.08	22.08	15.67

NOTES:
1. INSTALL AND TEST MAINLINE ACCORDING TO MANUFACTURER'S INSTALLATION SPECIFICATIONS.
2. REFER TO SPECIFICATIONS FOR ALL TRENCH DEPTHS AND WIDTHS.
3. USE NO. 4 REBAR WITH MASTIC COATING WHERE PIPE MUST BE ANCHORED TO THRUST BLOCK.
4. INSTALL THRUST BLOCK SO THE HORIZONTAL (X) AND VERTICAL (Y) DIMENSIONS OF THE THRUST BLOCK ARE APPROXIMATELY EQUAL.
5. INSTALL THRUST BLOCK WITH A MINIMUM THICKNESS FROM THE PIPE TO THE UNDISTURBED SOIL OF TWO TIMES THE DIAMETER OF THE PIPE.
6. THRUST BLOCK SIZING ASSUMES A MAXIMUM TEST PRESSURE OF 140 PSI, A MAXIMUM VELOCITY OF 5 FEET PER SECOND, AND A SOIL BEARING CAPACITY OF 1000 LBS/FT².

2 THRUST BLOCK ASSEMBLY

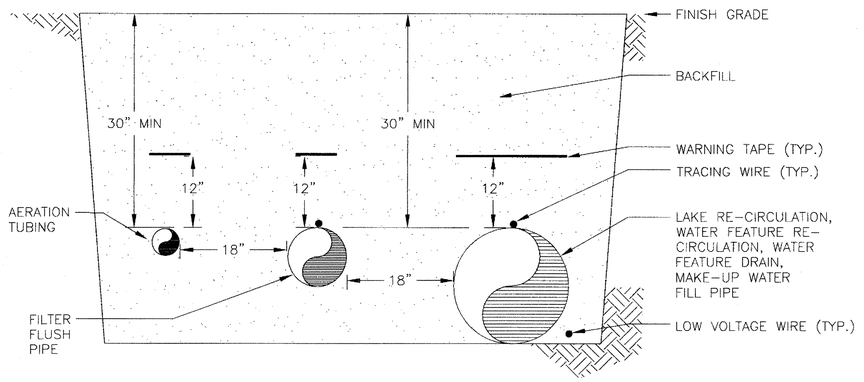
N.T.S.



NOTE:
1. NOMINAL SIZE OF GATE VALVE TO MATCH NOMINAL MAINLINE SIZE.

2 ISOLATION GATE /BALANCE CONTROL VALVE ASSEMBLY (2-INCH) ⊗

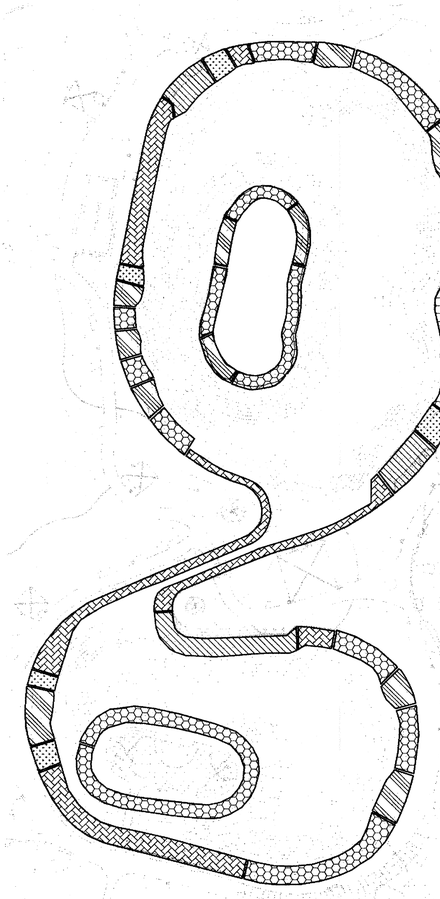
N.T.S.



NOTE:
1. IF A CONFLICT EXISTS DURING INSTALLATION WITH SEPARATE PIPELINES (PRESSURIZED FLOW VERSUS GRAVITY FLOW) THE CONTRACTOR IS TO TRANSITION THE PRESSURIZED PIPELINE BENEATH THE GRAVITY FLOW PIPELINE. PROVIDE A MINIMUM VERTICAL CLEARANCE OF 12-INCHES BETWEEN CROSSING PIPES AND RESTRAIN FITTINGS AS NECESSARY.

3 TRENCHING DETAIL

N.T.S.



NORTH

0 60' 120' 240'

SCALE: 1" = 60'-0"

LEGEND - LAKE EDGE TREATMENTS

- SOFT LAKE EDGE #1 WITH WETLAND PLANTING SECTION
- SOFT LAKE EDGE #2 WITHOUT WETLAND PLANTING SECTION
- CONCRETE STEP-STRUCTURAL EDGE (SEE NOTE BELOW)
- CONCRETE RETAINING WALL-STRUCTURAL EDGE (SEE NOTE BELOW)
- CONCRETE RETAINING WALL-STRUCTURAL EDGE WITH WETLAND PLANTING SECTION (SEE NOTE BELOW)

NOTE:
1. REFER TO CIVIL AND STRUCTURAL PLANS FOR CONSTRUCTION OF STRUCTURAL LAKE EDGES.

RECORD AS-BUILT

4 EDGE TREATMENT PLAN

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Innovative Water Solutions
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970.226.3966 fax
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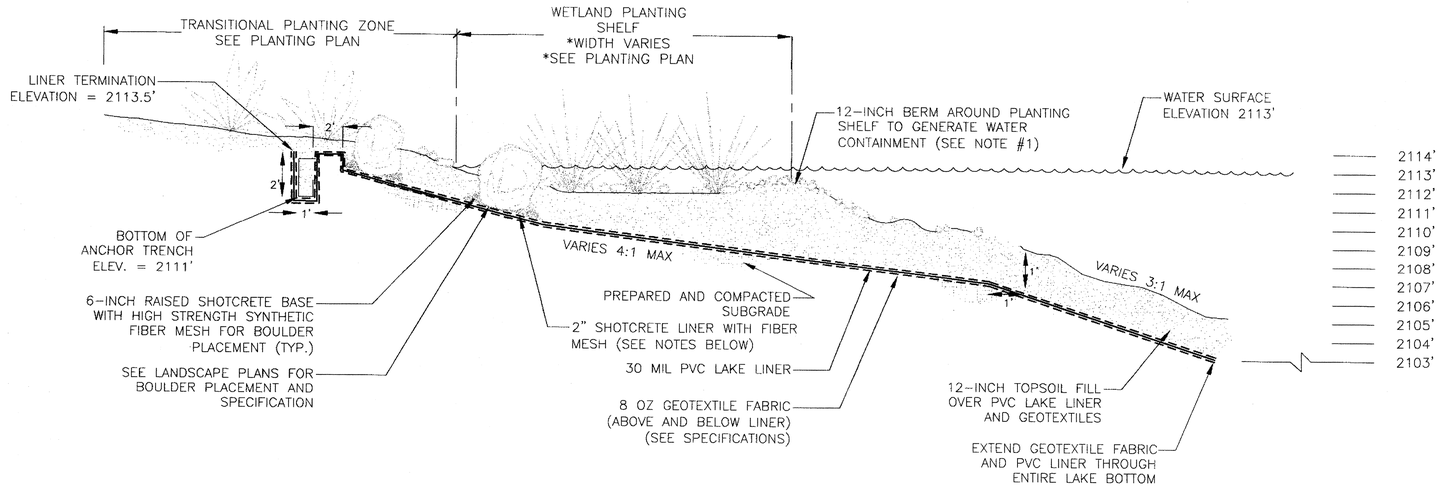
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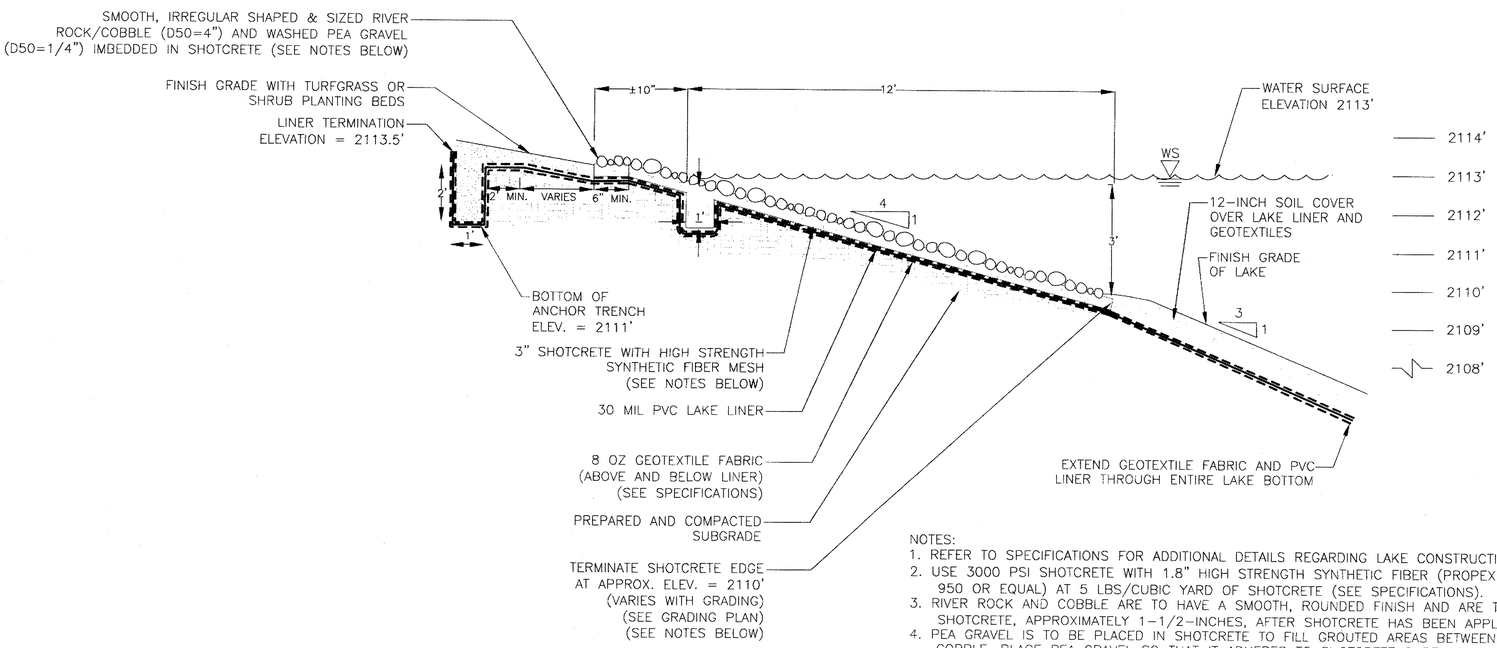
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HANSEN NO	33039
SHT NO	IL-1.5



NOTES:
1. WHERE PLANTING SHELF IS BEING CONSTRUCTED TRANSITION BERM AT EACH END OF THE SHELF BACK TOWARDS THE LAKE EDGE TO MEET GRADE AND CREATE A CONTAINMENT AREA FOR WATER.
2. MINIMUM HORIZONTAL DISTANCE FOR 4:1 SLOPE FROM LAKE EDGE IS APPROXIMATELY 12-FEET.
3. USE 3000 PSI SHOTCRETE WITH 1.8" HIGH STRENGTH SYNTHETIC FIBER (PROPEX NOVAMESH 950 OR EQUAL) AT 5 LBS/CUBIC YARD OF SHOTCRETE (SEE SPECIFICATIONS).
4. FOR 12-INCH SOIL COVER START BACKFILLING AT THE BOTTOM OF THE LAKE AND WORK TOWARD THE OUTER LAKE EDGES (SEE SPECIFICATIONS).
5. TRANSITION THE DEPTH OF SHOTCRETE LINER BETWEEN SOFT LAKE EDGE TREATMENTS AS REQUIRED TO ACCOMODATE INSTALLATION FOR EACH TYPE OF EDGE TREATMENT RESPECTIVELY.
6. WHERE SOFT LAKE EDGE #1 INTERFACES WITH SOFT LAKE EDGE #2 AND VERTICAL CONCRETE LAKE EDGE THE CONTRACTOR IS TO TRANSITION EDGE FINISH SO THAT THE SOIL COVER FROM THE NATURAL EDGE BLENDS INTO THE SHOTCRETE/CONCRETE EDGE. THERE SHOULD NOT BE A VISIBLE SHARP EDGE OF SHOTCRETE. COORDINATE WITH OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT FOR ACCEPTANCE PRIOR TO COMPLETION.

1 SOFT LAKE EDGE #1 WITH WETLAND PLANTING SECTION & LINER INSTALLATION

N.T.S.



NOTES:
1. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS REGARDING LAKE CONSTRUCTION AND LINING.
2. USE 3000 PSI SHOTCRETE WITH 1.8" HIGH STRENGTH SYNTHETIC FIBER (PROPEX NOVAMESH 950 OR EQUAL) AT 5 LBS/CUBIC YARD OF SHOTCRETE (SEE SPECIFICATIONS).
3. RIVER ROCK AND COBBLE ARE TO HAVE A SMOOTH, ROUNDED FINISH AND ARE TO BE PLACED INTO SHOTCRETE, APPROXIMATELY 1-1/2-INCHES, AFTER SHOTCRETE HAS BEEN APPLIED.
4. PEA GRAVEL IS TO BE PLACED IN SHOTCRETE TO FILL GROUTED AREAS BETWEEN BOULDERS AND COBBLE. PLACE PEA GRAVEL SO THAT IT ADHERES TO SHOTCRETE SURFACE.
5. SPRAY COLOR STAIN OVER SHOTCRETE, ROCK/COBBLE EDGE. USE NATINA, PERMEON OR EQUAL STAIN (SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION).
6. FOR 12-INCH SOIL COVER START BACKFILLING AT THE BOTTOM OF THE LAKE AND WORK TOWARD THE OUTER LAKE EDGES (SEE SPECIFICATIONS).
7. WHERE SOFT LAKE EDGE #2 INTERFACES WITH SOFT LAKE EDGE #1 AND VERTICAL CONCRETE LAKE EDGE THE CONTRACTOR IS TO TRANSITION EDGE FINISH SO THAT THE SOIL COVER FROM THE NATURAL EDGE BLENDS INTO THE SHOTCRETE EDGE. THERE SHOULD NOT BE A VISIBLE SHARP EDGE OF SHOTCRETE. COORDINATE WITH OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT FOR ACCEPTANCE PRIOR TO COMPLETION.

2 SOFT LAKE EDGE #2 WITHOUT WETLAND PLANTING SECTION & LINER INSTALLATION

N.T.S.

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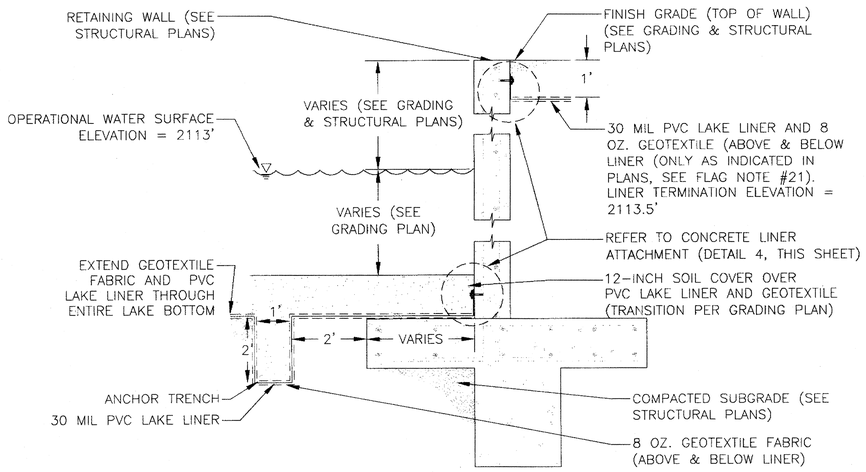
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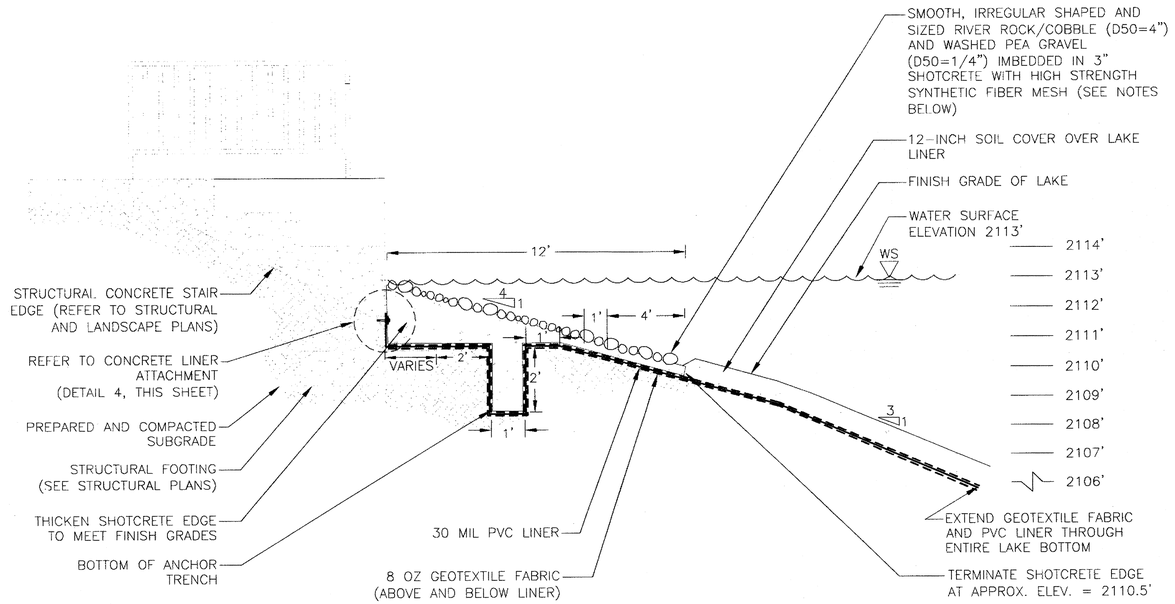
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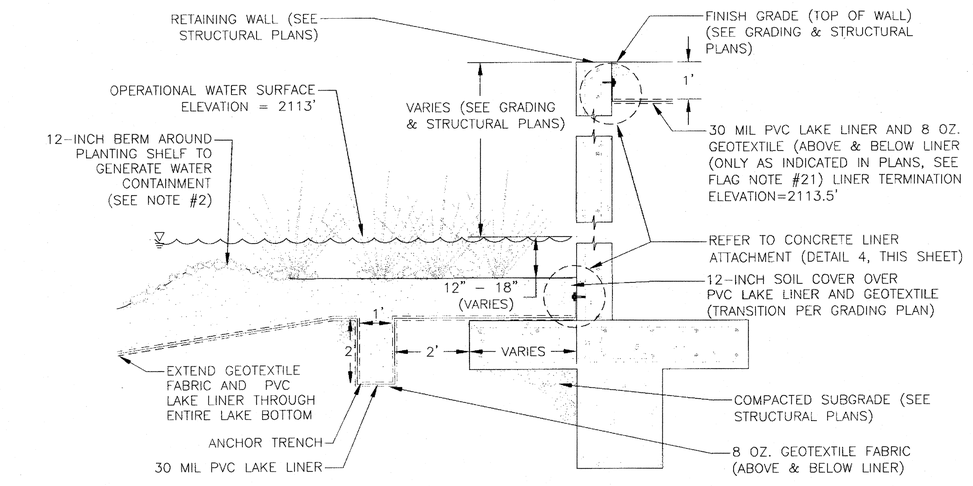


1 VERTICAL CONCRETE RETAINING WALL - STRUTURAL EDGE LINER INSTALLATION

N.T.S.



NOTES:
1. USE 3000 PSI SHOTCRETE WITH 1.8" HIGH STRENGTH SYNTHETIC FIBER (PROPEX NOVAMESH 950 OR EQUAL) AT 5 LBS/CUBIC YARD OF SHOTCRETE (SEE SPECIFICATIONS).
2. RIVER ROCK AND COBBLE ARE TO HAVE A SMOOTH, ROUNDED FINISH AND ARE TO BE PLACED INTO SHOTCRETE, APPROXIMATELY 1-1/2-INCHES AFTER SHOTCRETE HAS BEEN APPLIED.
3. SPRAY COLOR STAIN OVER SHOTCRETE, ROCK/COBBLE EDGE. USE NATINA, PERMEON OR EQUAL STAIN (SEE LANDSCAPE PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION).
4. FOR 12-INCH SOIL COVER START BACKFILLING AT THE BOTTOM OF THE LAKE AND WORK TOWARD THE OUTER LAKE EDGES (SEE SPECIFICATIONS).



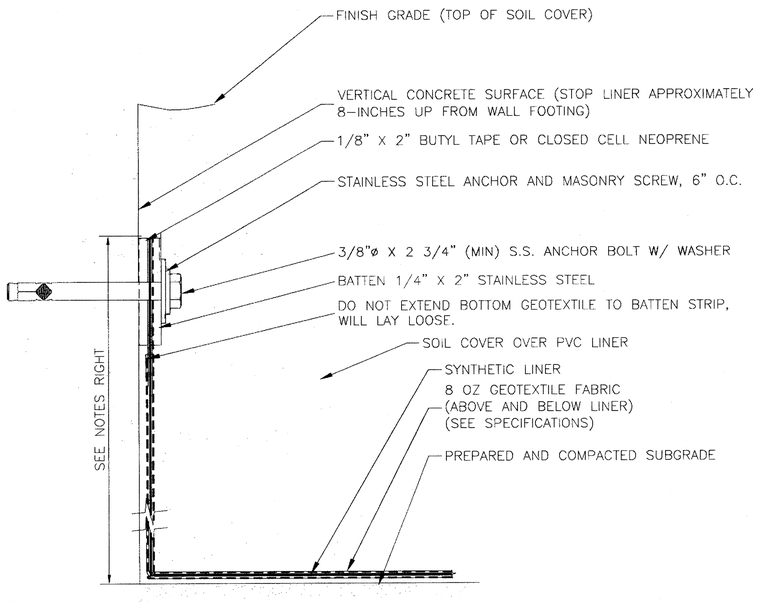
NOTE:
1. WHERE PLANTING SHELF IS BEING CONSTRUCTED TRANSITION BERM AT EACH END OF THE SHELF BACK TOWARDS THE LAKE EDGE TO MEET GRADE AND CREATE A CONTAINMENT AREA FOR WATER.

3 VERTICAL CONCRETE RETAINING WALL - STRUTURAL EDGE WITH WETLAND PLANTING SECTION - LINER INSTALLATION

N.T.S.

2 CONCRETE STEP - STRUCTURAL EDGE LINER INSTALLATION

N.T.S.



NOTES:
1. ATTACH LINER TO CONCRETE USING ANCHOR BOLTS LOCATED 6" O.C.
2. INSTALL ENTIRE LINER SYSTEM AND BACKFILL TO WITHIN 24" OF CONCRETE STRUCTURE PRIOR TO BOLTING BATTEN STRIP TO CONCRETE.
3. INSTALL SYNTHETIC LINER AND GEOTEXTILE FABRIC PER MANUFACTURER RECOMMENDATIONS.
4. PROVIDE 1/4"-THICK STAINLESS STEEL BAR STOCK WITH PRE DRILLED HOLES, 6-INCHES ON CENTER TO SECURE LINING SYSTEM TO CONCRETE STRUCTURES. FURNISH STAINLESS STEEL CONCRETE ANCHOR BOLTS AND WASHERS, ADHESIVES AND OTHER SPECIAL MATERIALS NECESSARY FOR THE PROPER INSTALLATION OF THE LINER SYSTEM.
5. LAKE INSTALLATION: MAKE ALL ATTACHMENTS APPROXIMATELY 4-INCHES BELOW FINISH GRADE OF LAKE.
6. STREAM WATER FEATURE INSTALLATION: MAKE ALL ATTACHMENTS APPROXIMATELY 2-INCHES BELOW FINISH CONCRETE SURFACE FOR ATTACHMENT TO STREAM SUPPLY AND DRAIN ASSEMBLIES.

4 CONCRETE LINER ATTACHMENT

N.T.S.

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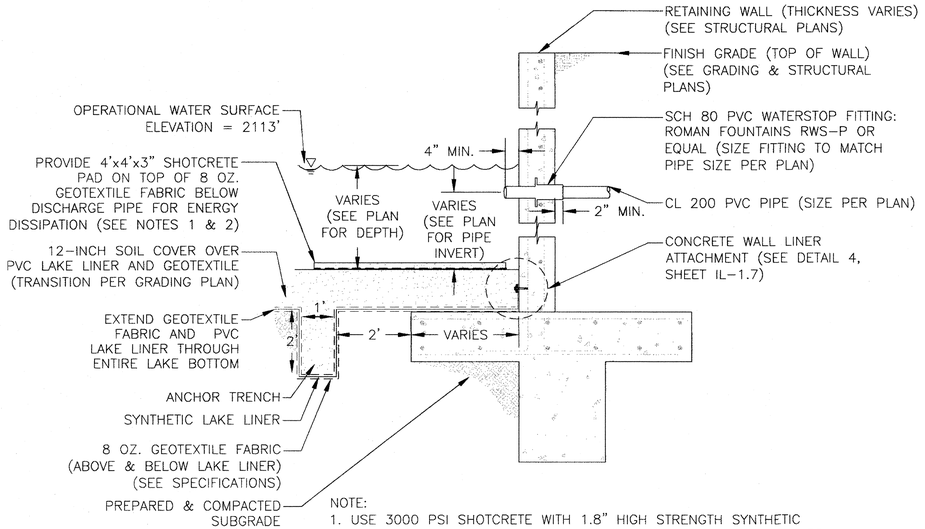
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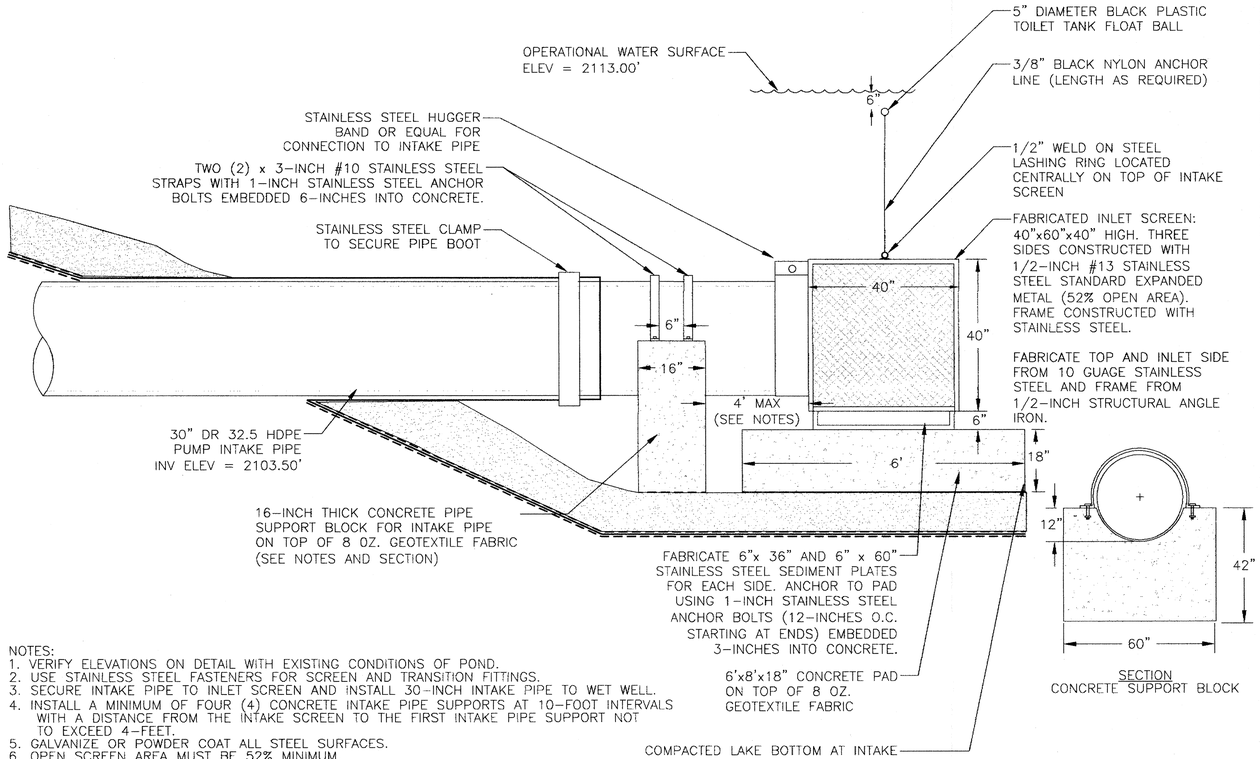
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NOTE:
1. USE 3000 PSI SHOTCRETE WITH 1.8" HIGH STRENGTH SYNTHETIC FIBER (PROPEX NOVAMESH 950 OR EQUAL) AT 5 LBS/CUBIC YARD OF SHOTCRETE (SEE SPECIFICATIONS).
2. EXTEND LENGTH OF SHOTCRETE PAD FROM 4' TO 16' AT OUTLET OF LAKE FILL PIPING FROM AIR GAP ASSEMBLY.
3. COORDINATE WITH STRUCTURAL SUB-CONTRACTOR FOR INSTALLATION OF WATERSTOP FLANGE FITTINGS PRIOR TO CONCRETE PLACEMENT FOR RETAINING WALL.

1 VERTICAL CONCRETE RETAINING WALL PIPE PENETRATION

N.T.S.



SECTION
CONCRETE SUPPORT BLOCK

NOTES:
1. VERIFY ELEVATIONS ON DETAIL WITH EXISTING CONDITIONS OF POND.
2. USE STAINLESS STEEL FASTENERS FOR SCREEN AND TRANSITION FITTINGS.
3. SECURE INTAKE PIPE TO INLET SCREEN AND INSTALL 30-INCH INTAKE PIPE TO WET WELL.
4. INSTALL A MINIMUM OF FOUR (4) CONCRETE INTAKE PIPE SUPPORTS AT 10-FOOT INTERVALS WITH A DISTANCE FROM THE INTAKE SCREEN TO THE FIRST INTAKE PIPE SUPPORT NOT TO EXCEED 4-FEET.
5. GALVANIZE OR POWDER COAT ALL STEEL SURFACES.
6. OPEN SCREEN AREA MUST BE 52% MINIMUM.
7. FURNISH SHOP DRAWING FOR APPROVAL PRIOR TO FABRICATION AND SHIPMENT.
8. USE MINIMUM 3000 PSI CONCRETE.

2 PUMP INTAKE SCREEN & LINER PENETRATION

N.T.S.

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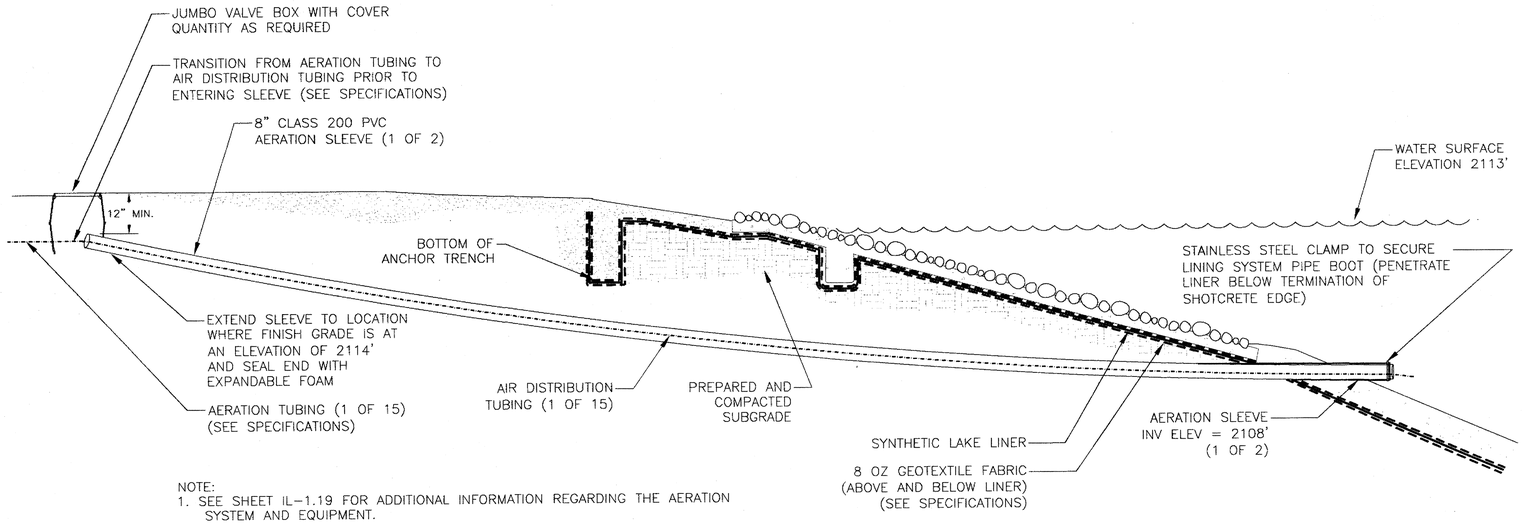
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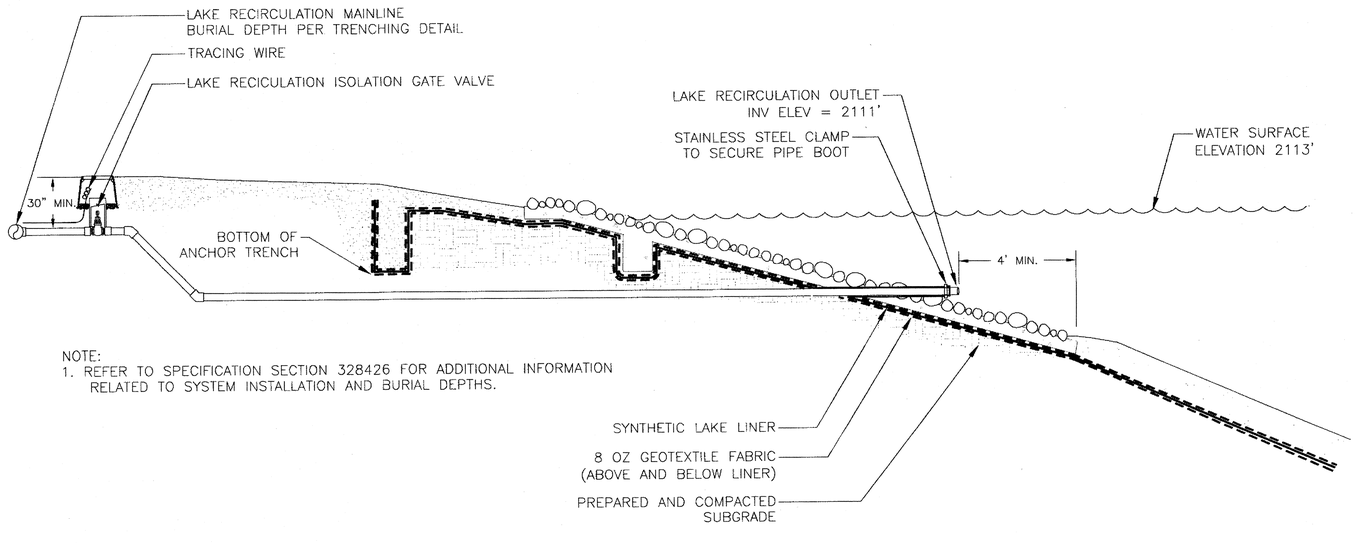
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NOTE:
1. SEE SHEET IL-1.19 FOR ADDITIONAL INFORMATION REGARDING THE AERATION SYSTEM AND EQUIPMENT.

1 AERATION SLEEVE LINER PENETRATION

N.T.S.



NOTE:
1. REFER TO SPECIFICATION SECTION 328426 FOR ADDITIONAL INFORMATION RELATED TO SYSTEM INSTALLATION AND BURIAL DEPTHS.

2 LAKE RECIRCULATION PIPE LINER PENTRATION

N.T.S.

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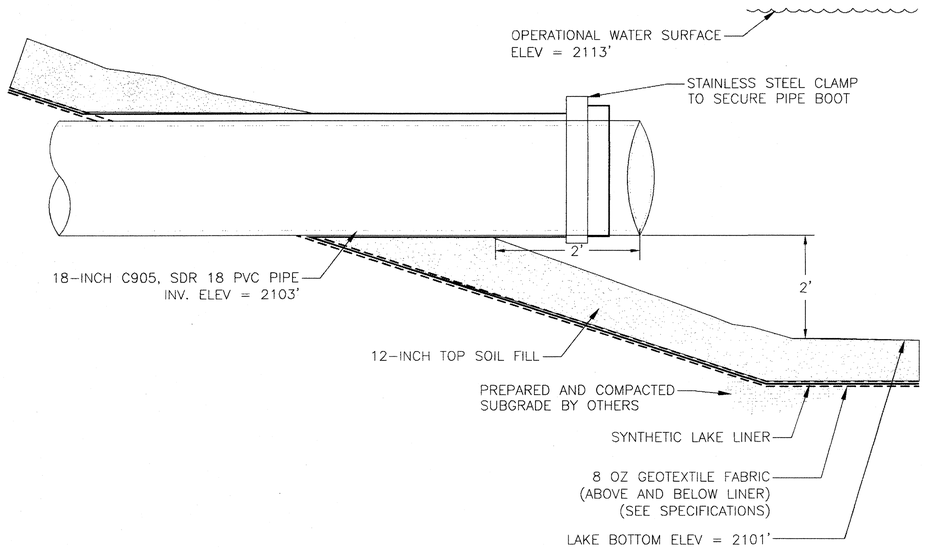
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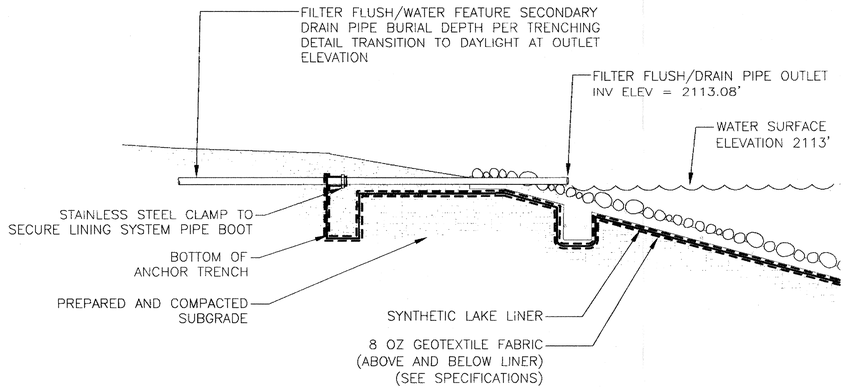
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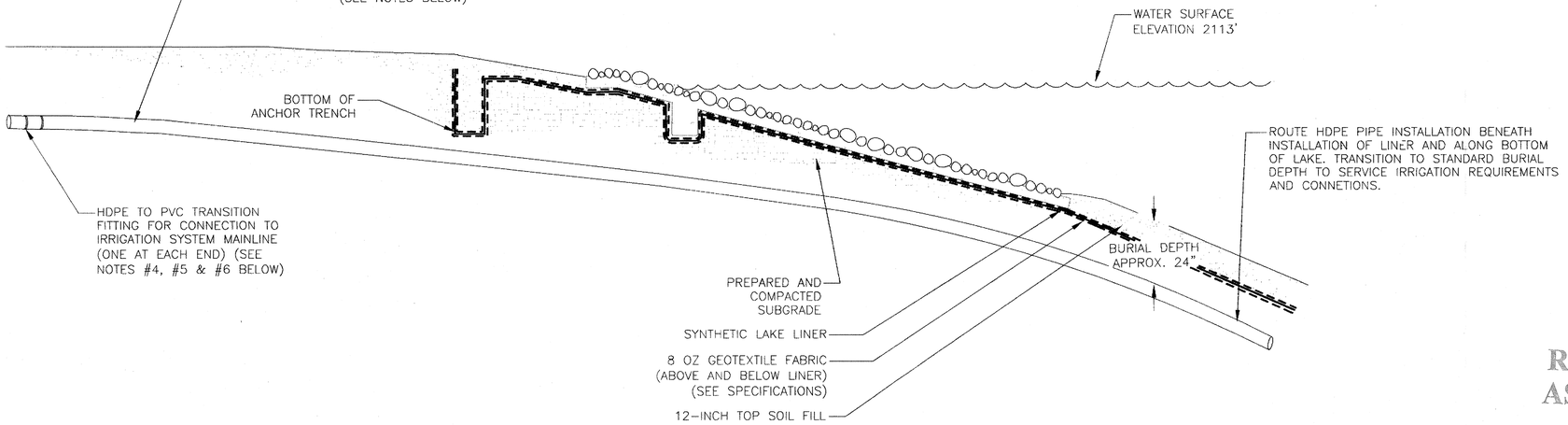
1 LAKE BALANCE PIPE LINER PENETRATION

N.T.S.



2 FILTER FLUSH PIPE & STREAM WATER FEATURE SECONDARY DRAIN LINER PENETRATION

N.T.S.



3 HDPE IRRIGATION SLEEVE PIPE INSTALLATION

N.T.S.

NOTES:
1. FIELD WELDING OF HDPE PIPE AND JOINTS MUST BE COMPLETED BY A TRAINED AND CERTIFIED CONTRACTOR USING FIELD WELDING EQUIPMENT AND TECHNIQUES APPROVED BY A LOCAL HDPE PIPE MANUFACTURER'S REPRESENTATIVE.
2. INSTALL HDPE IRRIGATION MAINLINE PIPE AND CONDUIT PIPE WITH A MINIMUM HORIZONTAL SEPARATION OF 12-INCHES.
3. INSTALL HDPE DOMESTIC PIPE AND CONDUIT PIPE WITH A MINIMUM HORIZONTAL SEPARATION OF 36-INCHES. ROUTE WIRE CONDUIT BETWEEN HDPE DOMESTIC PIPE AND HDPE IRRIGATION PIPE.
4. INSTALL HDPE PIPES AND PRESSURE TEST PRIOR TO INSTALLATION OF LINING SYSTEM, BACKFILL AND COMPACTION OF FINISH LAKE GRADE.
5. PROVIDE ISCO ISFFTF0311PVC SS OR EQUAL FOR 3-INCH HDPE TO PVC CONNECTION AND ISFFTF003/4PVC SS OR EQUAL FOR 3/4-INCH HDPE TO PVC CONNECTION AT EACH END OF THE HDPE MAINLINE PIPE FOR CONNECTION TO PVC PIPE. PVC TRANSITIONS ARE NOT REQUIRED ON WIRE CONDUIT. COORDINATE WITH IRRIGATION AND UTILITY PLANS FOR CONNECTION LOCATIONS AND CONTINUATION OF PIPE AND WIRES. PROVIDE JOINT RESTRAINTS ON PVC MAINLINE CONNECTIONS AT TRANSITION AS REQUIRED.
6. MAINLINE AND CONDUIT WILL ROUTE ALONG THE LAKE BOTTOM AND TRANSITION BACK TO MINIMUM BURIAL DEPTH (REFER TO IRRIGATION PLANS) AT EACH EDGE FOR CONNECTION TO IRRIGATION SYSTEM AND FOR ROUTING OF LOW VOLTAGE WIRES.
7. SEAL ENDS OF WIRE CONDUIT WITH EXPANDABLE FOAM.

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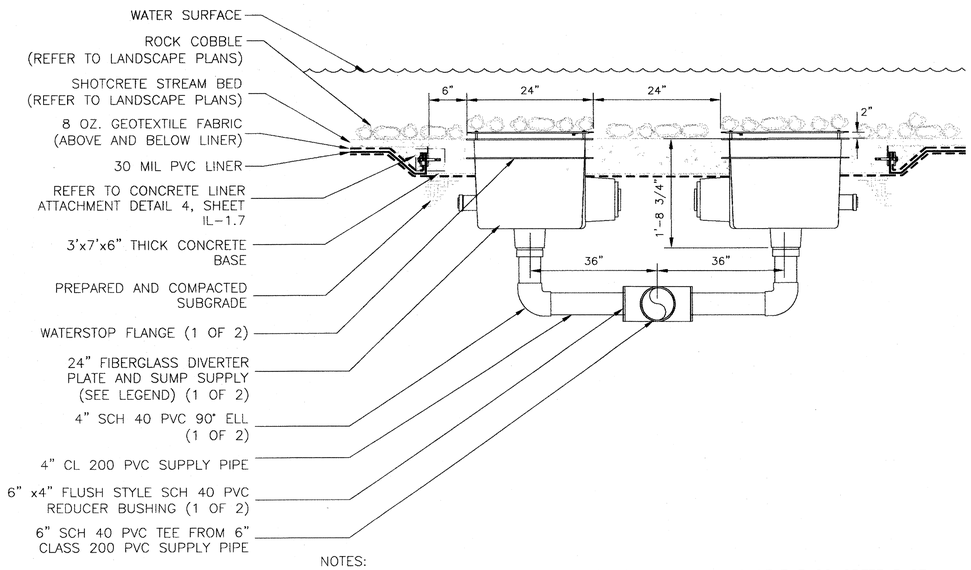
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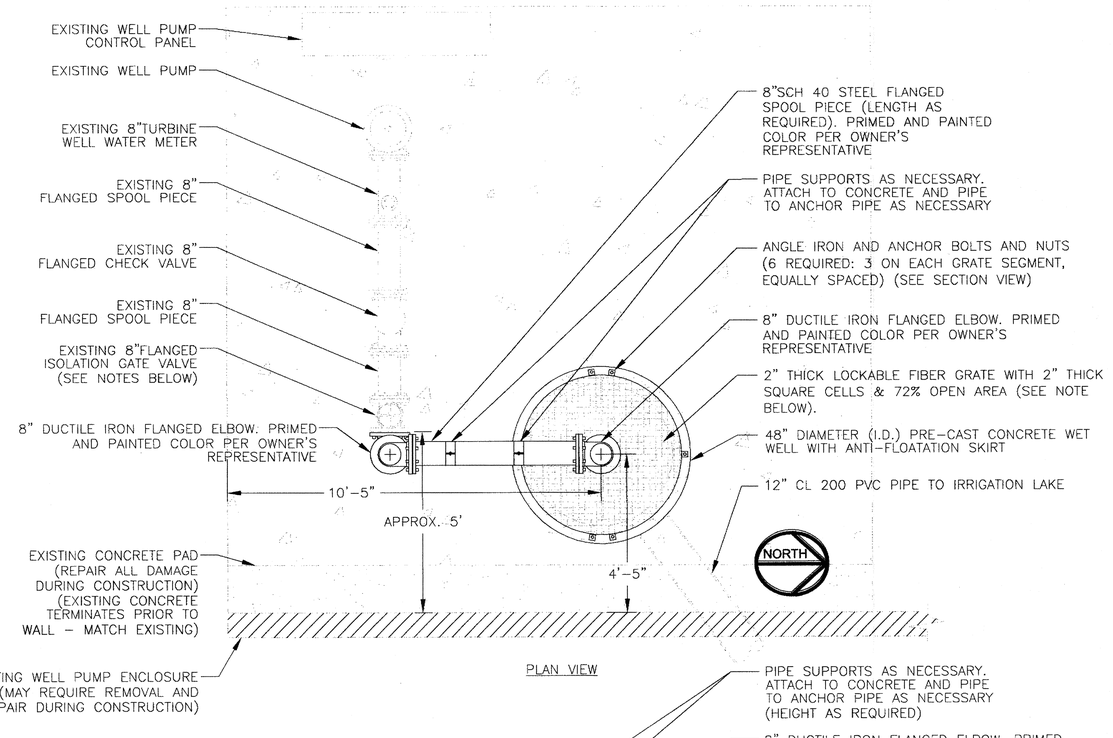
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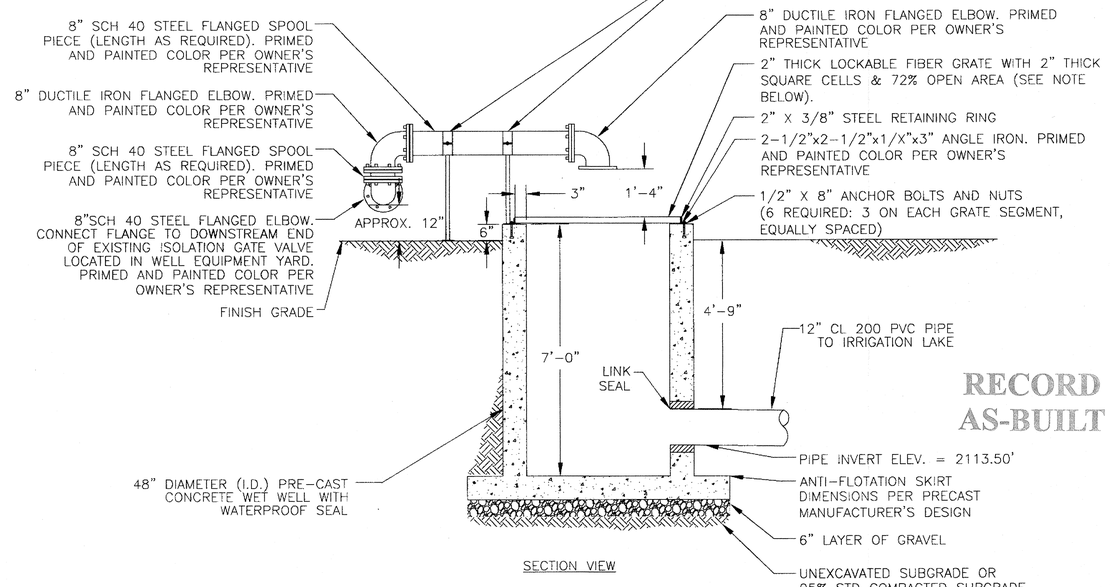
NOTES:
1. PROVIDE A 1/4-INCH DEPTH SAWCUT DOWN THE CENTER OF THE CONCRETE BASE, BETWEEN THE DRAIN FIXTURES TO ALLOW FOR EXPANSION/CONTRACTION.
2. DO NOT COVER DRAIN INLET AREA WITH ROCK/COBBLE. PLACE COBBLE TO ALLOW FOR AN UNOBSTRUCTED, FREE OPEN SUPPLY AREA.
3. INSTALL SUPPLY FITTINGS IN THE WATER FEATURE WHERE INDICATED ON DRAWINGS.
4. INSTALL SUPPLY FITTINGS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.
5. INSTALL #6 SOLID BARE COPPER WIRE BETWEEN ALL METAL COMPONENTS IN WATER FEATURE. BOND AND PROPERLY GROUND ALL COMPONENTS.
6. THE 6" TEE MUST BE CENTERED BETWEEN THE SUPPLY FITTINGS TO BALANCE THE FLOW.
7. PLUG UNUSED 2" AND 6" OUTLETS USING THE NECESSARY FITTINGS.
8. USE MINIMUM 3000 PSI CONCRETE.

1 STREAM WATER FEATURE SUPPLY ASSEMBLY

N.T.S.



PLAN VIEW



RECORD AS-BUILT

SECTION VIEW

NOTE:
1. PRIOR TO RENOVATION AND INSTALLATION OF AIR GAP ASSEMBLY, TURN OFF WELL PUMP, REMOVE ALL FITTINGS AND VALVES DOWNSTREAM OF EXISTING 8" ISOLATION GATE VALVE. CUT EXISTING PIPE AND ABANDON APPROXIMATELY 12"ES BELOW GRADE.
2. REPAIR ALL DAMAGE TO EXISTING CONCRETE PAD CAUSED DURING THE DEMOLITION AND CONSTRUCTION PROCESS. USE MINIMUM 3000 PSI CONCRETE.
3. CUT FIBER GRATE INTO TWO SECTIONS DOWN THE CENTER TO ASSIST WITH REMOVAL DURING MAINTENANCE.
4. USE ONLY STAINLESS STEEL HARDWARE FOR ALL CONNECTIONS.
5. GROUT AND SEAL ALL PENETRATIONS AND JOINTS WATERTIGHT.
6. COORDINATE WITH STRUCTURAL PLANS (SHEET S2.06) FOR REQUIRED ENCLOSURE AND WALL MODIFICATIONS.

2 WELL MAKE-UP WATER AIR GAP ASSEMBLY LOCATED IN EXISTING WELL EQUIPMENT YARD

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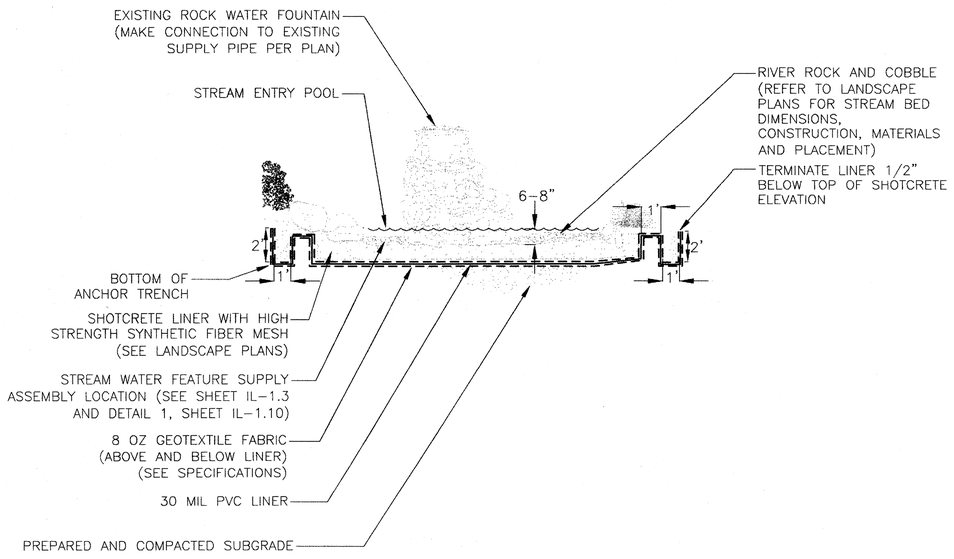
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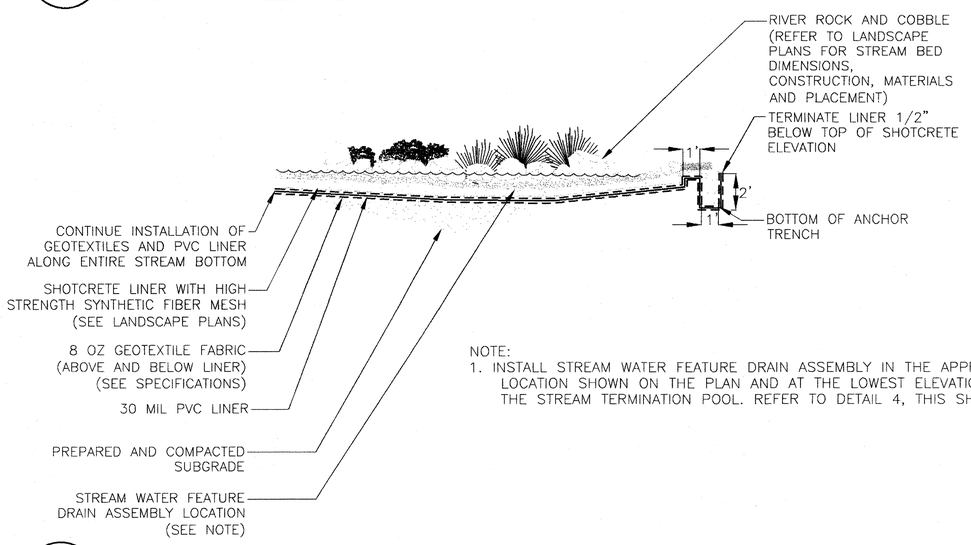
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1 WATER FEATURE STREAM SUPPLY POOL LINER INSTALLATION

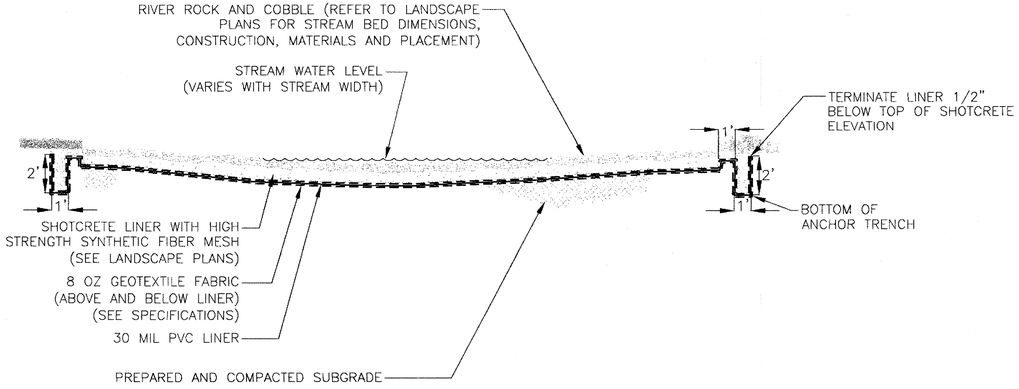
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NOTE:
1. INSTALL STREAM WATER FEATURE DRAIN ASSEMBLY IN THE APPROXIMATE LOCATION SHOWN ON THE PLAN AND AT THE LOWEST ELEVATION WITHIN THE STREAM TERMINATION POOL. REFER TO DETAIL 4, THIS SHEET.

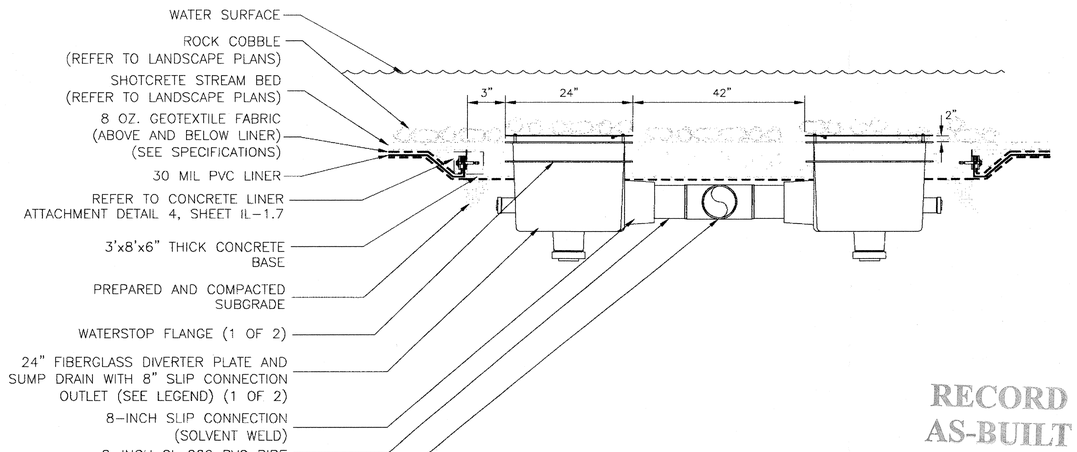
3 WATER FEATURE STREAM TERMINATION POOL LINER INSTALLATION

N.T.S.



2 WATER FEATURE STREAM BED & LINER INSTALLATION

N.T.S.



RECORD AS-BUILT

1. PROVIDE A 1/4-INCH SAWCUT DOWN THE CENTER OF THE CONCRETE BASE, BETWEEN THE DRAIN FIXTURES TO ALLOW FOR EXPANSION/CONTRACTION.
2. DO NOT COVER DRAIN INLET AREA WITH ROCK/COBBLE. PLACE COBBLE TO ALLOW FOR A FREE OPEN ENTRY TO THE DRAIN.
3. INSTALL DRAIN FITTINGS IN THE WATER FEATURE WHERE INDICATED ON DRAWINGS.
4. INSTALL DRAIN FITTINGS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.
5. INSTALL #6 SOLID BARE COPPER WIRE BETWEEN ALL METAL COMPONENTS IN WATER FEATURE. BOND AND PROPERLY GROUND ALL COMPONENTS.
6. THE 8" TEE MUST BE CENTERED BETWEEN THE DRAIN FITTINGS TO BALANCE THE FLOW.
7. PLUG UNUSED 2" AND 4" OUTLETS USING THE NECESSARY FITTINGS.
8. USE MINIMUM 3000 PSI CONCRETE.

4 STREAM WATER FEATURE DRAIN ASSEMBLY

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GENERAL DESCRIPTION - IRRIGATION PUMP SYSTEM

FURNISH AND INSTALL A PREFABRICATED, SKID MOUNTED, VERTICAL TURBINE PUMPING SYSTEM WITH INDIVIDUAL VARIABLE SPEED DRIVE (VFD) CONTROLS, PROGRAMMABLE LOGIC CONTROL PANEL AND INDIVIDUAL ELECTRONIC BUTTERFLY VALVE (EBV) BACKUP FOR VARIABLE SPEED PUMPS. PUMPS INCLUDE THREE (3) MAIN VERTICAL TURBINE PUMPS (50 HP EACH), ONE (1) SUBMERSIBLE PRESSURE MAINTENANCE PUMP (3 HP), ONE SUBMERSIBLE JOCKEY PUMP (15 HP), ONE (1) LAKE RE-CIRCULATION VERTICAL TURBINE PUMP (15 HP) AND ONE (1) WATER FEATURE RE-CIRCULATION VERTICAL TURBINE PUMP (5 HP). TWO OF THE THREE MAIN PUMPS WILL CYCLE IN OPERATION ALONG WITH THE JOCKEY PUMP AND PRESSURE MAINTENANCE PUMP. ALTERNATIVELY UPON OWNER PREFERENCE THE SYSTEM CAN BE PROGRAMMED TO EXERCISE TWO OF THE THREE PUMPS FOR AN INTERVAL DETERMINED BY THE OWNER AND UTILIZE ONE PUMP STRICTLY AS A BACKUP.

THE MAIN IRRIGATION PUMPS WILL SUPPLY THE TURF AND LANDSCAPE IRRIGATION SYSTEM AT LORENZI PARK. THESE PUMPS ARE DESIGNED FOR A MAXIMUM FLOW RATE OF 1,200 GPM AT 90 PSI AT THE PUMP STATION MAIN DISCHARGE DOWNSTREAM OF THE FILTER.

THE LAKE RE-CIRCULATION PUMP WILL PROVIDE FLOW TO MULTIPLE LOCATIONS AROUND THE NEW IRRIGATION STORAGE LAKE. THIS PUMP IS DESIGNED FOR A MAXIMUM FLOW RATE OF 1,100 GPM AT 9 PSI DOWNSTREAM OF THE CHECK VALVE AND ISOLATION VALVE.

THE WATER FEATURE PUMP WILL PROVIDE CONTINUOUS RE-CIRCULATING FLOW BETWEEN THE LAKE AND THE STREAM WATER FEATURE ONSITE. THIS PUMP IS DESIGNED FOR A MAXIMUM FLOW RATE OF 300 GPM AT 11 PSI DOWNSTREAM OF THE CHECK VALVE AND ISOLATION VALVES.

IRRIGATION WATER WILL BE PUMPED FROM THE LAKE WATER SOURCE PRIMARILY SUPPLIED BY THE EXISTING GROUND WATER WELL LOCATED ONSITE. A SECONDARY POTABLE WATER SUPPLY WILL ALSO BE PROVIDED AND WILL DISCHARGE THROUGH AN AIR GAP DIRECTLY INTO THE MAIN PUMP STATION WET WELL. A BYPASS WILL BE PROVIDED ON THE POTABLE SOURCE ALONG WITH AN INLINE-SKID MOUNTED BOOSTER PUMPING SYSTEM TO PROVIDE THE OPTION OF PUMPING SUPPLEMENTAL POTABLE WATER DIRECTLY INTO THE IRRIGATION SYSTEM. THIS BOOSTER PUMP WILL BE LOCATED IN THE SAME ENCLOSURE AS THE MAIN VERTICAL TURBINE PUMP SYSTEM.

THE SKID MOUNTED PUMPING SYSTEM WILL BE INSTALLED ON THE FINISH CONCRETE FLOOR OF A NEW RESTROOM/PUMP BUILDING OVER A PRECAST CONCRETE WET WELL.

IRRIGATION WATER WILL PASS THROUGH AN AUTOMATED SUCTION SCANNING FILTER. THE FILTER WILL DISCHARGE THROUGH THE FILTER FLUSH LINE INTO THE IRRIGATION STORAGE POND ABOVE NORMAL OPERATION WATER LEVEL.

CONSTRUCTION NOTES - IRRIGATION PUMP SYSTEM

1. COORDINATE UTILITY LOCATES ("CALL BEFORE YOU DIG") OF UNDERGROUND AND ("CALL BEFORE YOU OVERHEAD") OVERHEAD UTILITIES PRIOR TO CONSTRUCTION.

2. VERIFY EXISTING SITE CONDITIONS AND THE LOCATIONS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. REPAIR OR REPLACE ANY DAMAGE TO EXISTING SITE, LANDSCAPE, PIPING, OR WIRING THAT IS CAUSED BY OR IS THE RESULT OF THIS CONSTRUCTION.

3. READ THOROUGHLY AND BECOME FAMILIAR WITH THE SPECIFICATIONS AND INSTALLATION DETAILS FOR THIS AND RELATED WORK PRIOR TO CONSTRUCTION.

4. DO NOT PROCEED WITH THE INSTALLATION OF THE IRRIGATION PUMP SYSTEM WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING, OR IF DISCREPANCIES IN CONSTRUCTION DETAILS, LEGEND, NOTES, OR SPECIFICATIONS ARE DISCOVERED. BRING ALL SUCH OBSTRUCTIONS OR DISCREPANCIES TO THE ATTENTION OF THE ENGINEER.

5. INSTALL ALL ELECTRICAL POWER TO THE PUMP SYSTEM IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL ELECTRIC UTILITY CODES.

6. ANCHOR PUMP SKID TO CONCRETE SLAB PER THE CONSTRUCTION DOCUMENTS AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

7. PROVIDE THE FOLLOWING COMPONENTS TO THE OWNER PRIOR TO THE COMPLETION OF THE PROJECT:

   A. TWO OPERATING KEYS FOR EACH TYPE OF MANUALLY OPERATED VALVE.

   B. FIVE COPIES OF A COMPLETE OPERATION AND MAINTENANCE MANUAL FOR THE VERTICAL TURBINE PUMP AND FILTER SYSTEM, BOOSTER PUMPING SYSTEM AND AERATION SYSTEM. INCLUDE DRAWINGS, PERFORMANCE CURVES AND DATA, REPAIR PARTS LISTS, MAINTENANCE SCHEDULES, AND CATALOG DATA SHEETS FOR EACH COMPONENT SUPPLIED. THIS INFORMATION IS TO BE INCORPORATED INTO SECTION 1.12 FINAL SUBMITTAL DOCUMENTS.

MAIN VERTICAL TURBINE PUMP SYSTEM NOTES

PUMP STATION NOTES:
1. THE PREFABRICATED IRRIGATION PUMP STATION MODEL MANUFACTURED BY WATERTRONICS IS VT-1-50Vx3/15STV/3ST/5WF/15RC-480-3-1200/300/1100-90/11/9. THE STATION IS DESIGNED FOR A MAXIMUM FLOW OF 1,200 GPM AT 90 PSI DISCHARGE DOWNSTREAM OF THE AUTOMATIC FILTER. TWO OF THE THREE MAIN PUMPS WILL OPERATE SIMULTANEOUSLY WITH AUTOMATIC ALTERNATION OF LEAD PUMP.
2. PUMP STATION POWER REQUIREMENTS ARE 480V, 3 PHASE, 60 HZ, 250 FLA, AND A MINIMUM 400 AMP DISCONNECT.
3. THE LAKE RECIRCULATION PUMP IS DESIGNED FOR A MAXIMUM FLOW OF 1,100 GPM AT 9 PSI AT THE DISCHARGE.
4. THE STREAM WATER FEATURE RECIRCULATION PUMP IS DESIGNED FOR A MAXIMUM FLOW OF 300 GPM AT 11 PSI AT THE DISCHARGE.

WET WELL NOTES:
1. SIGNED AND SEALED SHOP DRAWINGS OF THE PRECAST WET WELL ARE REQUIRED. SUBMIT SHOP DRAWING OF WET WELL WITH PROFESSIONAL ENGINEER STAMP FOR REVIEW AND APPROVAL.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE ELEVATIONS SHOWN AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ENGINEER.
3. FURNISH AND INSTALL PRECAST REINFORCED CONCRETE STRUCTURE WITH WATERPROOF SEALANT. USE CONSEAL CS-101 BUTYL ROPE OR EQUAL TO SEAL ALL JOINTS.
4. MANUFACTURER OF PRECAST CONCRETE UNITS IS RESPONSIBLE FOR THE DESIGN OF REINFORCEMENT AND THEIR PLACEMENT. FABRICATE UNITS WITH COMPRESSIVE STRENGTH AS STATED IN THE TECHNICAL SPECIFICATIONS. FURNISH PRE-CAST UNITS IN CONFORMANCE WITH ASTM C-478 DESIGNATION FOR MANUFACTURING, TESTING, AND QUALITY CONTROL. MANUFACTURER TO DETERMINE LENGTH AND WIDTH OF PRECAST SECTIONS AND REQUIRED REINFORCEMENT. PROVIDE WATER TIGHT SEAL AT ALL WET WELL JOINT LOCATIONS.
5. COORDINATE EXACT LOCATION OF WET WELL WITH ARCHITECT AND OWNER'S REPRESENTATIVE ON SITE PRIOR TO CONSTRUCTION.

INTAKE PIPE SEAL NOTES:
1. THE WET WELL OPENING SURFACE SHALL BE ROUGHENED AND THOROUGHLY CLEANED BY SANDBLASTING AND FINAL WIRE BRUSHING. THE SURFACE SHALL BE CLEAN AND STRUCTURALLY SOUND AND FREE OF ALL DUST, OIL, GREASE, RUST, WAXES, CURING COMPOUNDS OR ANY OTHER MATERIAL THAT MAY INHIBIT A PROPER BOND.
2. APPLY SIKADUR 32 HI-MOD LPL TO, ROUGHENED AND CLEANED CONCRETE WET WELL EDGES AND EXTERIOR SURFACES OF THE INTAKE PIPE.
3. PLACE NON-SHRINK CONCRETE INTO THE ANNULAR SPACE BETWEEN THE WET WELL AND INTAKE PIPE WHILE SIKADUR 32, HI-MOD LPL, IS STILL TACKY. IF COATING BECOMES GLOSSY AND LOSES TACKINESS, REMOVE ANY SURFACE CONTAMINATES, THEN RE-COAT WITH ADDITIONAL SIKADUR 32, HI-MOD LPL, AND PROCEED.

WATER LEVEL SENSOR CONTROL NOTES:
1. THE PREFABRICATED IRRIGATION PUMP STATION MODEL MANUFACTURED BY WATERTRONICS IS EQUIPPED WITH AUTOMATIC LEVEL SENSOR CONTROLS THAT WILL OPERATE THE FOLLOWING:
   a. LOW WATER LEVEL AUTOMATIC SHUTDOWN
   b. AUTOMATIC ACTIVATION SIGNAL "ON/OFF" FOR LAKE MAKE-UP WATER FROM TWO WATER SOURCES WITH SEPARATE, DEDICATED HANDS/OFF/AUTO (HOA) SWITCHES:
      1. PRIMARY WELL WATER - 24 VOLT SIGNAL TO RELAY ACTIVATION THE EXISTING WELL PUMP.
      2. SECONDARY POTABLE WATER - 24 VOLT SIGNAL TO RELAY ACTIVATION OF THE PROPOSED 6-INCH "NORMALLY-CLOSED" FILL CONTROL VALVE ON THE POTABLE BYPASS. WATER FROM THIS SOURCE WILL DISCHARGE DIRECTLY INTO THE MAIN PUMP STATION WET WELL.
2. THE PREFABRICATED IRRIGATION PUMP STATION MODEL MANUFACTURED BY WATERTRONICS IS TO BE EQUIPPED WITH A PRESSURE TRANSDUCER IN THE WET WELL TO PROVIDE WATER LEVEL INFORMATION. COORDINATE WITH MANUFACTURER'S REPRESENTATIVE FOR PROGRAMMING AND CALIBRATION.

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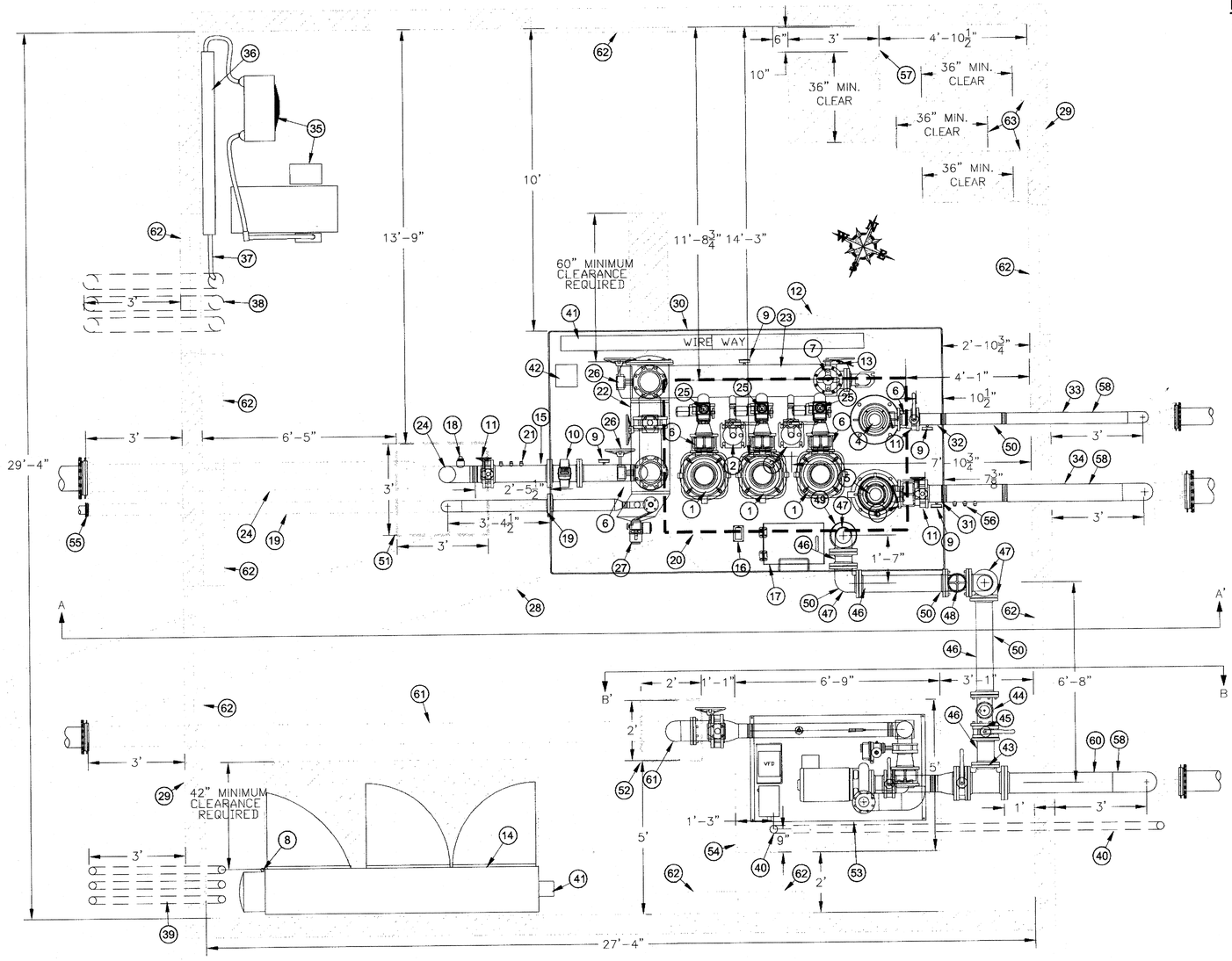
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PUMP STATION EQUIPMENT (SHEETS IL-1.14 AND IL-1.15 ONLY)

(1) 50 HP MAIN PUMP AND MOTOR (1 OF 3) (FLOWS TO 600 GPM EACH)

(2) 15 HP SUBMERSIBLE JOCKEY PUMP AND MOTOR (FLOWS 30 TO 140 GPM)

(3) 3 HP SUBMERSIBLE PRESSURE MAINTENANCE PUMP AND MOTOR (FLOWS TO 30 GPM)

(4) 5 HP STREAM WATER FEATURE PUMP AND MOTOR (FLOW TO 300 GPM)

(5) 20 HP LAKE RECIRCULATION PUMP AND MOTOR (FLOW TO 1,100 GPM)

(6) WAFER TYPE CHECK VALVE (1 OF 6) SIZED TO MATCH PIPE

(7) PRESSURE RELIEF VALVE WITH DISCHARGE PIPED TO WET WELL

(8) PRESSURE TRANSDUCER (CABINET MOUNTED)

(9) 2.5" LIQUID FILLED PRESSURE GAUGE (150 PSI) (1 OF 4)

(10) 6" ELECTROMAGNETIC FLOW METER

(11) STATION DISCHARGE ISOLATION VALVE (1 OF 3) (SIZE TO MATCH MAINLINE PIPE)

(12) 8' DIAMETER (I.D.) PRECAST CONCRETE WET WELL WITH LADDER & WATERPROOF SEAL (REFER TO SHEET IL-1.13 FOR ADDITIONAL WET WELL NOTES)

(13) HOSE BIBB CONNECTION

PUMP STATION EQUIPMENT (SHEETS IL-1.14 AND IL-1.15 ONLY)

(14) CONTROL PANEL (AIR CONDITIONED). COORDINATE WITH PUMP MANUFACTURER'S REPRESENTATIVE FOR INSTALLATION OF ALL CONDUITS, CONDUCTORS AND CONNECTIONS TO POWER, TELEPHONE COMMUNICATION, AND PUMP SKID EQUIPMENT

(15) 6" SCHEDULE 40 STEEL DISCHARGE PIPE TO IRRIGATION SYSTEM PRIMED AND PAINTED TO MATCH PUMP STATION

(16) WATER LEVEL SENSOR PROBES

(17) WET WELL ACCESS HATCH

(18) 2" BLOWOUT FITTING

(19) 4" SCHEDULE 40 STEEL FLANGED FILTER FLUSH PIPE PAINTED TO MATCH STATION ABOVE GRADE AND COAL TAR EPOXY COATING BELOW GRADE. CONTRACTOR TO TRANSITION BELOW GRADE AND TO IRRIGATION LAKE. PRIMED AND PAINTED TO MATCH PUMP SKID. WRAP ALL PIPE BELOW GRADE (BELOW FOOTING DEPTH) WITH A POLYETHYLENE ENCASEMENT (POLYWRAP)

(20) ROOF ACCESS HATCH – SEE ARCHITECTURAL PLANS (60"x96" MINIMUM SIZE) (ALIGN WITH PUMP MOTORS AND SHAFTS)

(21) FERTIGATION PORTS 3/4" PLUGGED (1 OF 3) (POTENTIAL FUTURE APPLICATION)

(22) 8" VAF V-1500 OR EQUAL STAINLESS STEEL FILTER WITH 200 MICRON SCREEN AND A CHECK VALVE ON THE DISCHARGE

(23) 12" DISCHARGE MANIFOLD. PRIMED AND PAINTED TO MATCH PUMP SKID

PUMP STATION EQUIPMENT (SHEETS IL-1.14 AND IL-1.15 ONLY)

(24) 6" x 10" FLANGED DROP PIPE WITH SWIVEL VICTAULIC CONNECTION. TO IRRIGATION SYSTEM. COORDINATE WITH PUMP MANUFACTURER (SEE DETAIL 1, SHEET IL-1.16)

(25) PUMP DISCHARGE ELECTRONIC BUTTERFLY VALVE FOR BACKUP PRESSURE REGULATION (1 OF 3)

(26) FILTER ISOLATION VALVE (1 OF 2)

(27) ELECTRONIC BUTTERFLY VALVE FOR AUTOMATIC FILTER FLUSH

(28) 30" HDPE IPS SDR 32.5 INTAKE PIPE (BELOW FOOTING DEPTH)

(29) PUMP STATION BUILDING ENCLOSURE (SEE ARCHITECTURAL PLANS)

(30) 13' x 8' PREFABRICATED PAINTED STEEL SKID. ANCHOR SKID TO FINISH CONCRETE FLOOR AS RECOMMENDED BY PUMP SKID MANUFACTURE

(31) 6" SCHEDULE 40 STEEL DISCHARGE PIPE TO LAKE RECIRCULATION SYSTEM PAINTED TO MATCH PUMP STATION

(32) 4" SCHEDULE 40 STEEL DISCHARGE PIPE TO WATER FEATURE PAINTED TO MATCH PUMP STATION

(33) 4" DOGLEG PIPE WITH SWIVEL VICTAULIC CONNECTION TO WATER FEATURE (COORDINATE WITH PUMP MANUFACTURER) (SEE DETAIL 3, SHEET IL-1.16)

(34) 6" DOGLEG PIPE WITH SWIVEL VICTAULIC CONNECTION TO LAKE RECIRCULATION (BELOW FOOTING) (COORDINATE WITH PUMP MANUFACTURER) (SEE DETAIL 2, SHEET IL-1.16)

(35) AERATION COMPRESSOR & EQUIPMENT (SEE SHEET IL-1.19)

(36) AERATION VALVE MANIFOLD (SEE SHEET IL-1.19)

(37) AERATION TUBES (15) TO LAKE DIFFUSERS. COORDINATE INSTALLATION OF CONDUIT WITH BUILDING INSTALLATION (SEE SHEET IL-1.19)

(38) THREE (3) 6" PVC CONDUITS WITH SWEEP ELS FOR TRANSITIONING AERATION TUBING TO BUILDING EXTERIOR (BELOW FOOTING DEPTH) (SEE ARCHITECTURAL PLANS)

(39) THREE (3) 3" PVC CONDUITS WITH SWEEP ELS (2 SPARE) FOR TRANSITIONING 24 VAC WELL START WIRES FROM CONTROL PANEL TO BUILDING EXTERIOR (BELOW FOOTING DEPTH) (SEE ARCHITECTURAL PLANS)

(40) ONE (1) 3" CONDUIT WITH SWEEP ELS (SEE ARCHITECTURAL PLANS)

(41) 6" WIRE WAY FOR PUMP SKID AND CONTROL WIRING (COORDINATE INSTALLATION WITH ELECTRICAL CONTRACTOR AND PUMP STATION MANUFACTURER'S REPRESENTATIVE)

(42) ELECTRICAL JUNCTION BOX (INTEGRAL TO PUMP SKID – COORDINATE WITH PUMP STATION MANUFACTURER'S REPRESENTATIVE)

(43) 8" x 8" x 6" FLANGED DUCTILE IRON TEE. PRIMED AND PAINTED TO MATCH PUMP SKID

(44) 6" NORMALLY CLOSED SECONDARY POTABLE LAKE FILL SOLENOID VALVE WITH INTEGRAL SLOW CLOSING CONTROL FEATURE (WIRE TO WATER LEVEL SENSOR CONTROL PANEL): CLA-VAL 136-01, GRISWOLD OR EQUAL

(45) 6" ISOLATION BUTTERFLY VALVE

(46) 6" SCH 40 STEEL FLANGED SPOOL PIECE (LENGTH AS REQUIRED). PRIMED AND PAINTED TO MATCH PUMP SKID. INSTALL PIPE SUPPORTS AS NECESSARY ALONG PIPE LENGTH

(47) 6" SCH 40 STEEL FLANGED ELS PRIMED AND PAINTED TO MATCH PUMP SKID

(48) 6" FLANGED, RESILIENT WEDGE ISOLATION GATE VALVE (AWWA C-509) WITH NON-RISING STEM: CLOW, NIBCO, AMERICAN FLOW CONTROL OR EQUAL

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(49) 10" HOLE CUT-OUT THROUGH PUMP SKID FOR POTABLE WATER AIR-GAP

(50) PIPE SUPPORTS (AS REQUIRED TO SUPPORT ALL VALVES AND PIPE SEGMENTS)

(51) 3' x 3' CONCRETE CAST OUT FOR PLACEMENT OF DROP PIPE. COORDINATE FOR INSTALLATION OF DROP PIPE PRIOR TO INSTALLATION OF SLAB. ADJUST PLACEMENT OF PIPES TO ACCOMMODATE CONNECTION TO PUMP SKID AND FILL VOID WITH CONCRETE FLOW FILL. COORDINATE WITH ARCHITECTURAL PLANS

(52) 2' x 2' CONCRETE CAST OUT FOR PLACEMENT OF BOOSTER PUMP DROP PIPE. COORDINATE FOR INSTALLATION OF DROP PIPE PRIOR TO INSTALLATION OF SLAB. ADJUST PLACEMENT OF PIPE TO ACCOMMODATE CONNECTION TO BOOSTER PUMP SKID AND FILL VOID WITH CONCRETE FLOW FILL

(53) BOOSTER PUMP ASSEMBLY (SECONDARY POTABLE SOURCE). REFER TO SHEET IL-1.17 FOR ADDITIONAL DIMENSIONAL INFORMATION AND EQUIPMENT SPECIFICATION

(54) CONCRETE MOUNTING PAD, 5'-0" x 6'-9", 6-1/2" THICK. USE 3000 PSI CONCRETE. COORDINATE TO PROVIDE #4 REBAR DOWELS TO ATTACH CONCRETE PAD TO MAIN PUMP BUILDING SLAB (PROVIDE AT APPROXIMATELY 18"ES ON-CENTER OFFSET 3"ES IN FROM EDGE OF PAD)

(55) 4" MJ DUCTILE IRON MEGALUG WITH CONTOURED WEDGE ACTION MJ RETAINER GLAND WITH TRANSITION GASKET FOR CONNECTION TO 4" CL 200 PVC PIPE

(56) THREE 3/4" THRED-O-LET PORTS (WITH THREADED PLUGS) ON LAKE RECIRCULATION DISCHARGE

(57) IRRIGATION SYSTEM CONTROLLER ENCLOSURE (REFER TO IRRIGATION PLANS FOR EQUIPMENT AND SLEEVING REQUIREMENTS)

(58) PRIME AND PAINT ALL ABOVE GRADE PIPE OUTSIDE OF BUILDING TO MATCH BUILDING EXTERIOR

(59) 6-INCH SCHEDULE 40 STEEL PIPE (FLG x P.E). EXTEND PIPE LENGTH TO 2-INCHES FROM TOP OF SKID AND CENTER PIPE ABOVE 10-INCH CUTOUT

(60) 8" DOGLEG PIPE FOR BOOSTER PUMP INTAKE FROM WATER SOURCE (BELOW FOOTING) (COORDINATE WITH PUMP MANUFACTURER) (SEE DETAIL 4, SHEET IL-1.16)

(61) 8" DOGLEG PIPE FOR BOOSTER PUMP DISCHARGE TO IRRIGATION SYSTEM (BELOW FOOTING) (COORDINATE WITH PUMP MANUFACTURER) (SEE DETAIL 5, SHEET IL-1.16)

(62) PUMP BUILDING EQUIPMENT. SEE SHEET RM-A1

(63) PUMP BUILDING ELECTRICAL EQUIPMENT. SEE SHEET RM-E1.01

1 IRRIGATION PUMP PLAN

N.T.S.

NOTES:
1. REFER TO SPECIFICATION SECTION 328200 FOR EQUIPMENT SIGNAGE REQUIREMENTS RELATED TO THE VERTICAL TURBINE PUMP SYSTEM.
2. REFER TO SPECIFICATION SECTION 328223 FOR EQUIPMENT SIGNAGE REQUIREMENTS RELATED TO THE AERATION SYSTEM.
3. REFER TO SPECIFICATION SECTION 328233 FOR EQUIPMENT SIGNAGE REQUIREMENTS RELATED TO THE BOOSTER PUMP SYSTEM.

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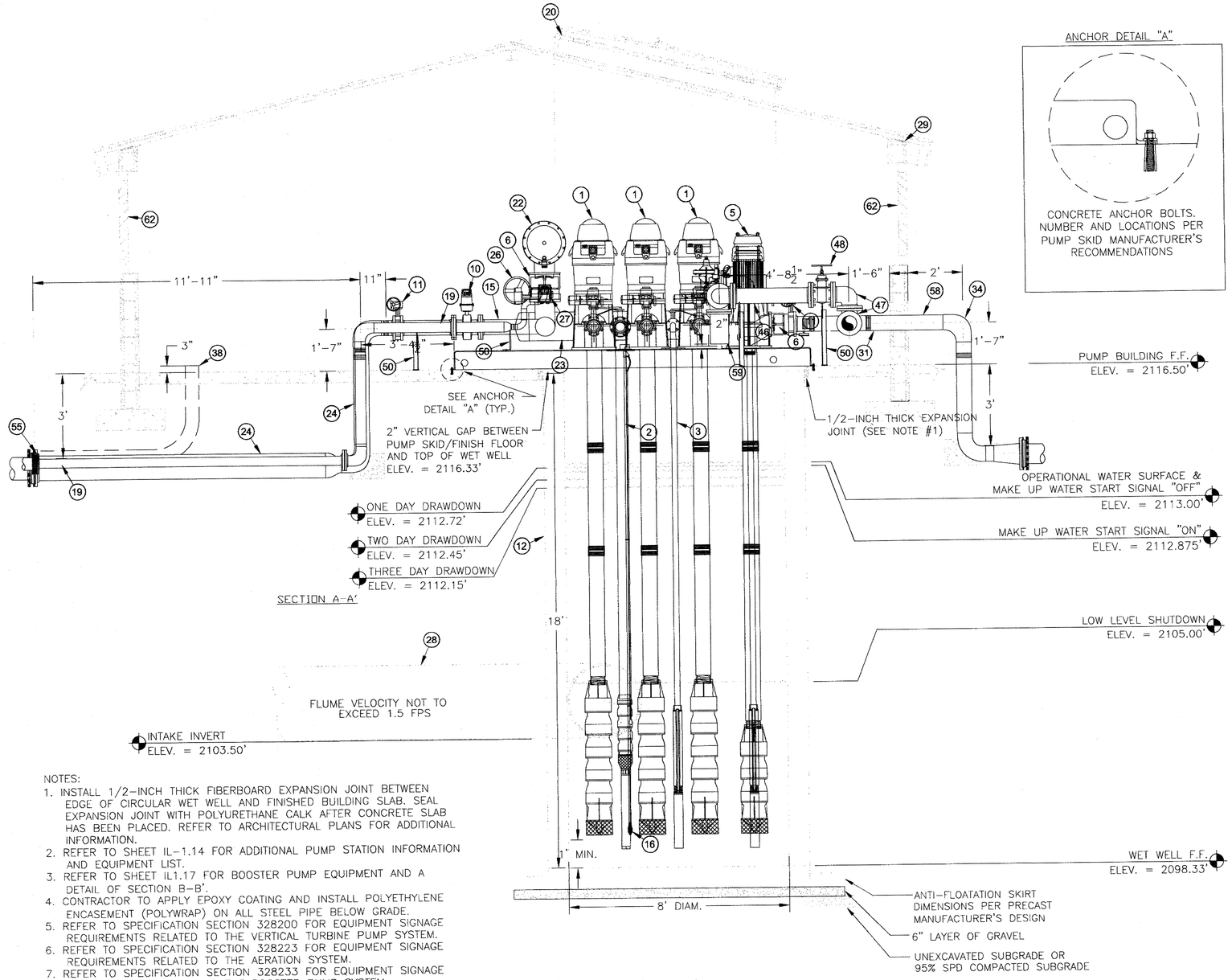
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SECTION A-A'

NOTES:
1. INSTALL 1/2-INCH THICK FIBERBOARD EXPANSION JOINT BETWEEN EDGE OF CIRCULAR WET WELL AND FINISHED BUILDING SLAB. SEAL EXPANSION JOINT WITH POLYURETHANE CALK AFTER CONCRETE SLAB HAS BEEN PLACED. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO SHEET IL-1.14 FOR ADDITIONAL PUMP STATION INFORMATION AND EQUIPMENT LIST.
3. REFER TO SHEET IL1.17 FOR BOOSTER PUMP EQUIPMENT AND A DETAIL OF SECTION B-B'.
4. CONTRACTOR TO APPLY EPOXY COATING AND INSTALL POLYETHYLENE ENCASEMENT (POLYWRAP) ON ALL STEEL PIPE BELOW GRADE.
5. REFER TO SPECIFICATION SECTION 328200 FOR EQUIPMENT SIGNAGE REQUIREMENTS RELATED TO THE VERTICAL TURBINE PUMP SYSTEM.
6. REFER TO SPECIFICATION SECTION 328223 FOR EQUIPMENT SIGNAGE REQUIREMENTS RELATED TO THE AERATION SYSTEM.
7. REFER TO SPECIFICATION SECTION 328233 FOR EQUIPMENT SIGNAGE REQUIREMENTS RELATED TO THE BOOSTER PUMP SYSTEM.

1 IRRIGATION PUMP SECTION A-A'

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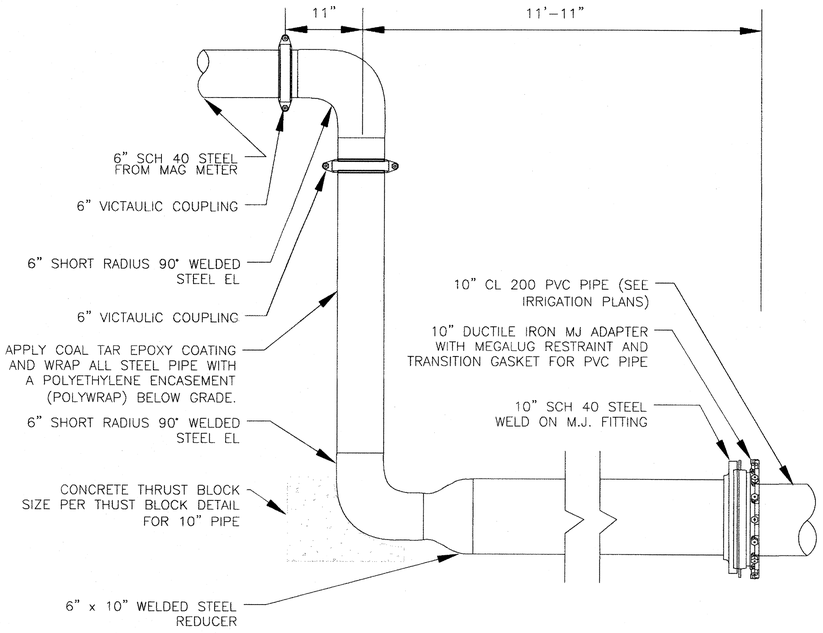
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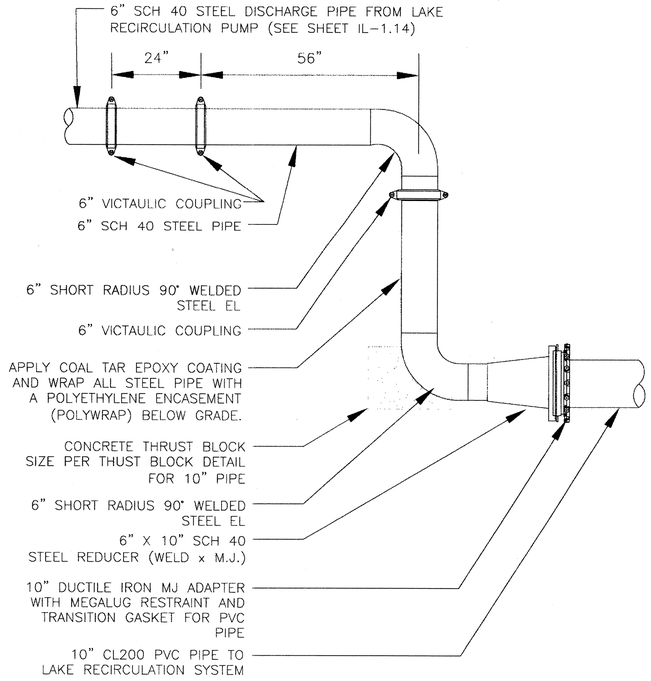
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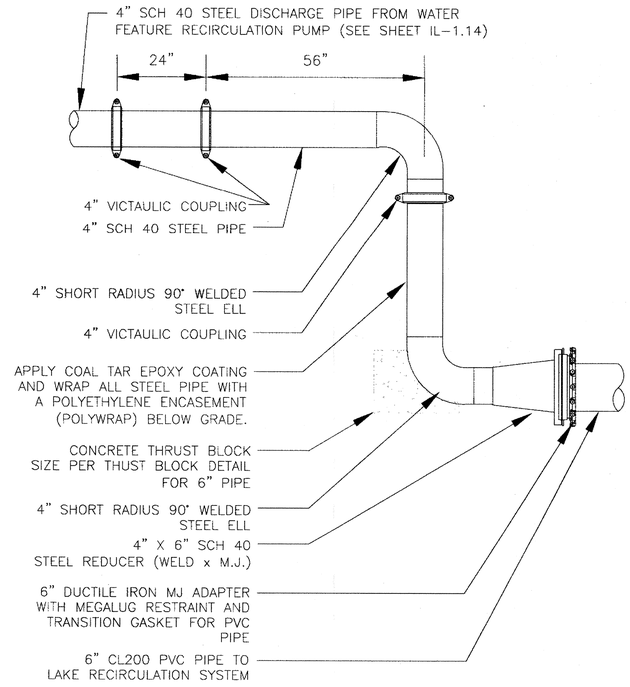
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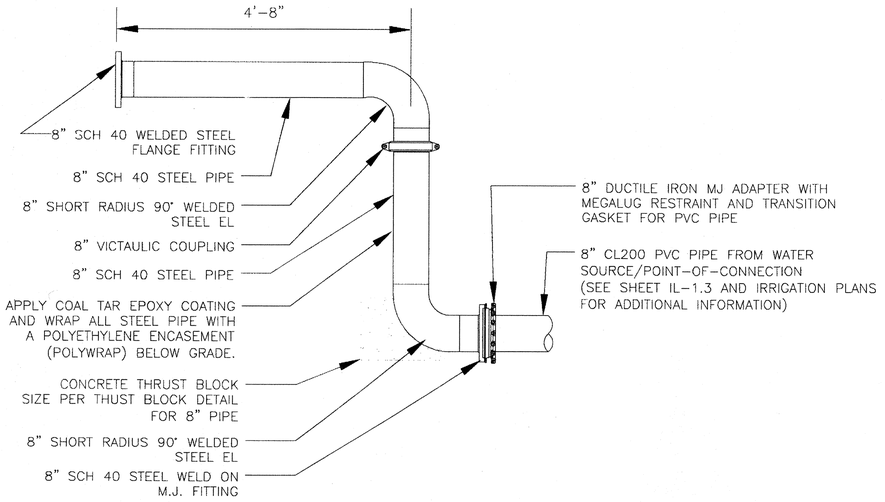
1 IRRIGATION VERTICAL TURBINE PUMP STATION DISCHARGE DOGLEG PIPE N.T.S.



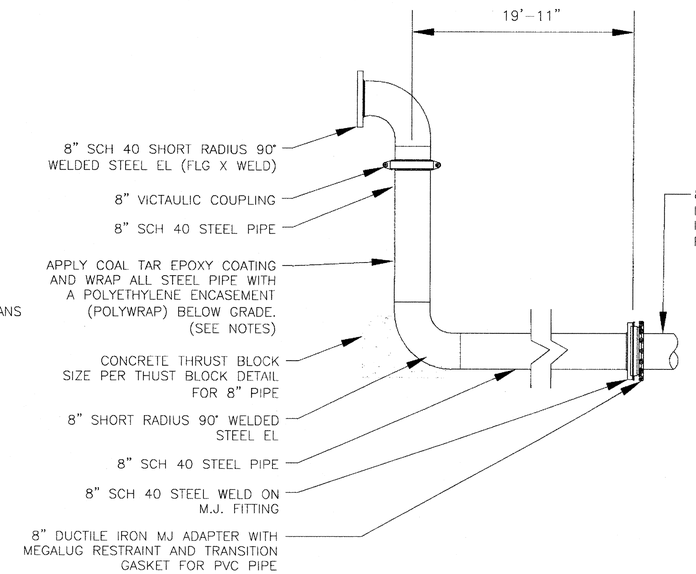
2 IRRIGATION LAKE RECIRCULATION PUMP DISCHARGE DOGLEG PIPE N.T.S.



3 LAKE WATER FEATURE RECIRCULATION PUMP DISCHARGE DOGLEG PIPE N.T.S.



4 BOOSTER PUMP INTAKE DOGLEG PIPE N.T.S.



5 BOOSTER PUMP DISCHARGE DOGLEG PIPE N.T.S.

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NOTES (ALL DETAILS THIS SHEET):

1. DIMENSIONS ARE PROVIDED FOR INFORMATION ONLY AND THE CONTRACTOR MUST ADJUST LENGHTS IN THE FIELD AS REQUIRED DURING INSTALLATION. COORDINATE WITH PUMP STATION AND BOOSTER PUMP MANUFACTURER FOR PREFABRICATED DOGLEGS TO BE SHIPPED WITH PUMP STATION SKID.
2. THE CONTRACTOR MUST PROVIDE SHOP DRAWINGS WITH ALL NECESSARY DIMENSIONS FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
3. THE INTERIOR OF ALL DOGLEG PIPES MUST BE COATED WITH SCOTCH KOTE 134 OR EQUAL FUSION BONDED EPOXY COATING PRIOR TO SHIPMENT WITH PUMP SKID.
4. CONTRACTOR MUST APPLY COAL TAR EPOXY COATING AND INSTALL POLYETHYLENE ENCASEMENT (POLYWRAP) FOR ALL STEEL PIPING INSTALLED BELOW GRADE.

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BOOSTER PUMP SYSTEM NOTES

FURNISH AND INSTALL PREFABRICATED, SKID MOUNTED, AUTOMATIC SIMPLEX END SUCTION CENTRIFUGAL BOOSTER PUMPING STATION. BOOSTER PUMP WILL PROVIDE A MAXIMUM FLOW OF 700 GPM WITH A DISCHARGE PRESSURE OF 90 PSI. THE AVAILABLE DYNAMIC INLET PRESSURE IS APPROXIMATELY 50 PSI. VERIFY FLOW AND PRESSURE PRIOR TO CONSTRUCTION. FURNISH PUMP SYSTEM COMPLETE WITH THE FOLLOWING FEATURES:

* PERFORMANCE TESTED PUMPS AND MOTORS
* U.L. LISTED PUMPING SYSTEM
* U.L. LISTED CONTROL PANEL WITH DOOR TAG VERIFICATION
* ONE 25 HP 3600 RPM PUMP AND MOTOR
* 480V/3 PHASE/60 HZ
* 6-INCH PUMP INTAKE BUTTERFLY VALVE
* 6-INCH PUMP DISCHARGE BUTTERFLY VALVE
* 3-INCH FLANGED SUCTION AND DISCHARGE
* 30 AMP EXTERNAL MAIN STATION FUSED DISCONNECT WITH T.T.D. HANDLE
* IRREGULAR POWER ALARM
* HIGH SYSTEM PRESSURE ALARM
* LOW SYSTEM PRESSURE ALARM AND SHUT-DOWN
* PUMP FAIL ALARM (PRIME PROTECTION)
* PUMP HIGH TEMPERATURE THERMAL SENSOR/ALARM
* ELAPSED TIME METER
* LIGHTNING ARRESTOR/SURGE SUPPRESSER
* INSTALLATION, OPERATION AND MAINTENANCE MANUAL (IOM)
* 1-YEAR WARRANTY ON THE SYSTEM AFTER START-UP DATE
* ENCLOSED VENTILATION FAN
* VARIABLE FREQUENCY DRIVE (VFD)
* INPUT LINE REACTOR
* VFD FAULT SHUT DOWN
* START-UP ASSISTANCE BY AUTHORIZED MANUFACTURER REPRESENTATIVE
* OPERATION AND MAINTENANCE MANUAL

OPERATION

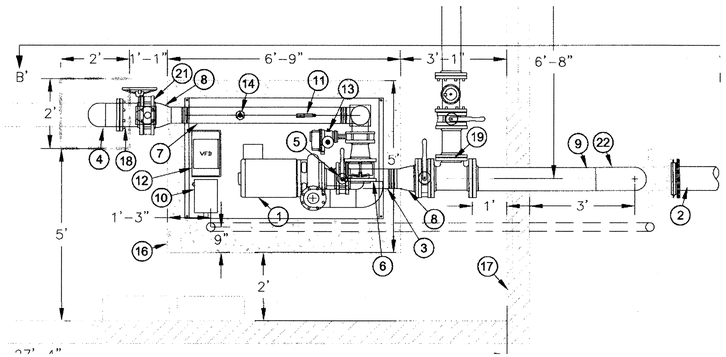
FURNISH BOOSTER PUMP STATION DESIGNED TO PRIMARILY ACTIVATE ON A PRESSURE DROP "START" AND A FLOW "STOP". BOOSTER PUMP CONTROL TO HAVE SECONDARY ABILITY TO START VIA PUMP ACTIVATION SYSTEM VIA SIGNAL FROM THE IRRIGATION CONTROL SYSTEM (COORDINATE WITH IRRIGATION PLANS).

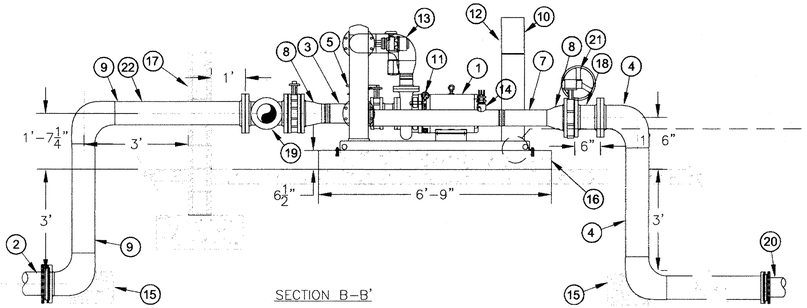
CONSTRUCTION NOTES - BOOSTER PUMP SYSTEM

1. FURNISH ALL SHOP DRAWINGS FOR APPROVAL SHOWING LOCATION OF PUMP, VALVES, PIPING, CONDUIT, CONTROL PANELS, SLEEVES, AND FITTINGS PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVISIONS AND INSTALLATION OF NECESSARY ELECTRICAL CONDUCTORS AND CONDUITS BETWEEN ELECTRICAL SOURCE, AND BOOSTER PUMP, AND MAKE ALL NECESSARY CONNECTIONS.
3. INSTALL BOOSTER PUMP ASSEMBLY IN APPROXIMATE LOCATION INDICATED. 460 VAC, 3 PHASE, 60 HZ ELECTRICAL POWER WILL BE PROVIDED TO THE PUMP LOCATION (SEE ELECTRICAL DRAWINGS). COORDINATE ELECTRICAL INSTALLATION AND CONNECTION WITH ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION OF PUMP ASSEMBLY WITH OWNER'S REPRESENTATIVE.
4. CONNECT BOOSTER PUMP TO MAIN VERTICAL TURBINE PUMP STATION CONTROL PANEL FOR WATERTRONICS WATERVISION MONITORING CAPABILITIES. COORDINATE WITH ELECTRICAL CONTRACTOR AND PUMP SYSTEM MANUFACTURER'S REPRESENTATIVE FOR THE PROVISION OF ALL CONDUIT, CONDUCTORS AND CONNECTIONS BETWEEN THE BOOSTER PUMP AND THE MAIN VERTICAL TURBINE PUMP STATION CONTROL PANEL.
5. ANCHOR PUMP STATION SKID TO CONCRETE PAD PER MANUFACTURERS RECOMMENDATIONS. PROVIDE AND INSTALL PIPE SUPPORTS AS REQUIRED.

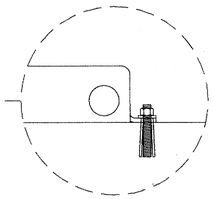
6 PROVIDE AND INSTALL JOINT RESTRAINTS AS REQUIRED FOR ALL MECHANICAL JOINT FITTINGS.

7. COORDINATE INSTALLATION OF BOOSTER PUMP STATION WITH ARCHITECTURAL PLANS, IRRIGATION PLANS AND SKID MOUNTED VERTICAL TURBINE IRRIGATION PUMP PLANS AND SPECIFICATIONS.





SECTION B-B'



ANCHOR DETAIL
CONCRETE ANCHOR BOLTS. NUMBER AND LOCATIONS PER PUMP SKID MANUFACTURER'S RECOMMENDATIONS

EQUIPMENT LIST - BOOSTER PUMP SYSTEM (SHEET IL-1.16 ONLY)

1. 25 HP VARIABLE SPEED SIMPLEX BOOSTER PUMP AND MOTOR. WATERTRONICS MODEL SSTBV-1-25-480-3-700-40 WITH VFD CONTROL
2. 8" CL 200 PVC MAINLINE PIPE FROM WATER SERVICE/POINT-OF-CONNECTION (SEE PLAN SHEET IL-1.3 AND IRRIGATION PLANS FOR CONTINUATION)
3. 6" STEEL PUMP STATION INTAKE PIPE
4. 8" DROP PIPE (SEE DETAIL 5, SHEET IL-1.16) (COORDINATE WITH PUMP MANUFACTURER TO BE INCLUDED IN SKID PACKAGE)
5. 6" BUTTERFLY VALVE (1 OF 2)
6. 6" CHECK VALVE
7. 6" STEEL PUMP STATION DISCHARGE PIPE
8. 6" x 8" STEEL REDUCER (WLD x FL) (1 OF 2)
9. 8" DROP PIPE (SEE DETAIL 4, SHEET IL-1.16) (COORDINATE WITH PUMP MANUFACTURER TO BE INCLUDED IN SKID PACKAGE)
10. BOOSTER PUMP CONTROL PANEL. PROVIDE 42" MINIMUM CLEARANCE IN FRONT OF ELECTRICAL CONTROL PANEL.
11. PRESSURE TRANSDUCER WITH LIQUID FILLED PRESSURE GUAGE
12. VARIABLE FREQUENCY DRIVE
13. ELECTRONIC BUTTERFLY VALVE FOR VFD BACK UP
14. FLOW SENSOR
15. THRUST BLOCK (REFER TO THRUST BLOCK SIZING DETAIL)
16. CONCRETE MOUNTING PAD, 5'-0" x 6'-9", 6-1/2" THICK. USE 3000 PSI CONCRETE. PROVIDE #4 REBAR DOWELS TO ATTACH PAD TO MAIN PUMP BUILDING SLAB (PROVIDE APPROXIMATELY 18"ES ON-CENTER AT 3"ES OFF EDGE OF PAD).
17. PUMP STATION BUILDING ENCLOSURE (SEE ARCHITECTURAL PLANS)
18. 8" SCHEDULE 40 STEEL (FL x FL) SPOOL PIECE (6" LENGTH). PROVIDE AN ADDITIONAL SPOOL PIECE OF EQUAL 6" LENGTH WITH BLIND FLANGE ENDS. INSTALL BLIND FLANGE FOR CROSS CONNECTION PROTECTION WHEN BOOSTER PUMP IS NOT OPERATIONAL.
19. 8"x8"x6" DUCTILE IRON TEE (FLG x FLG x FLG)
20. CONNECTION TO 8" PVC IRRIGATION MAINLINE PIPE (SEE IRRIGATION PLANS)
21. 8" STATION DISCHARGE ISOLATION VALVE
22. PRIME AND PAINT ALL ABOVE GRADE PIPE OUTSIDE OF BUILDING TO MATCH BUILDING EXTERIOR.

RECORD AS-BUILT

NOTE:
1. REFER TO SPECIFICATION SECTION 328233 FOR EQUIPMENT SIGNAGE REQUIREMENTS RELATED TO THE BOOSTER PUMP ASSEMBLY.

1 IRRIGATION BOOSTER PUMP SECTION B-B'

N.T.S.

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IRRIGATION BOOSTER PUMP SECTION

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CLV DWG NO	650.19-47-2
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GENERAL DESCRIPTION

THE IRRIGATION LAKE AERATION SYSTEM CONSISTS OF AN AIR COOLED, DRY RUNNING, NON-CONTACTING, POSITIVE DISPLACEMENT PRESSURE PUMP USING A COMPACT ROTARY CLAW DESIGN. AN AUTOMATIC TIMER, LOCATED IN THE NEW VERTICAL TURBINE PUMP CONTROL PANEL, WILL MANAGE OPERATION OF THE COMPRESSOR BASED UPON SPECIFIC HOURS OF OPERATION. THE LAKE BED AERATION SYSTEM IS DESIGNED TO "TURN OVER" THE LAKE WATER AT LEAST 4 TIMES PER DAY BASED ON A 12-HOUR PER DAY OPERATION CYCLE. THE PRESSURE PUMP IS DESIGNED TO PROVIDE A FLOW RATE OF 90 CFM (6 CFM PER MODULE) AT 20 PSI DISCHARGE.

AN AIRCOOLED AIR AFTER COOLER IS UTILIZED TO REDUCE THE TEMPERATURE OF THE COMPRESSED AIR SO THAT AERATION EQUIPMENT IS NOT DAMAGED. THE COMPRESSED AIR WILL BE DELIVERED TO LAKE BED AERATION MODULES THROUGH FLOW METERING VALVES THAT WILL BE ADJUSTED TO OPTIMIZE THE AMOUNT OF AIR PROVIDED TO EACH MODULE.

AS THE AIR LEAVES THE AERATION MODULE AND ASCENDS TO THE POND SURFACE A CIRCULATION EFFECT IS ACHIEVED AND PROVIDES FOR ADDITIONAL OXYGEN EXCHANGE AT THE POND WATER SURFACE INCREASING THE DISSOLVED OXYGEN CONTENT OF THE WATER.

FLAG NOTES

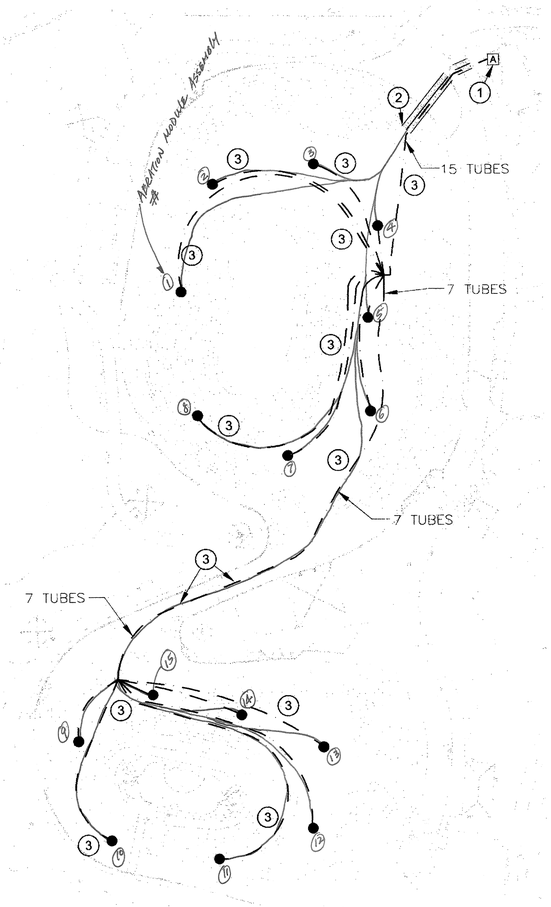
(1) FURNISH AND INSTALL AERATION EQUIPMENT IN THE PUMP STATION ENCLOSURE. ELECTRICAL POWER WILL COME FROM THE MAIN PUMP BUILDING POWER PANEL. COORDINATE EXACT LOCATION OF ELECTRICAL POWER WITH THE ELECTRICAL DRAWINGS AND APPROPRIATE TRADES ON SITE. PROVIDE ALL NECESSARY CONDUIT AND CONDUCTORS BETWEEN ELECTRICAL POWER SOURCE, AERATION COMPRESSOR, AIR-COOLED AIR AFTERCOOLER AND THE TIMER CONTROLLER LOCATED IN THE MAIN VERTICAL TURBINE PUMP CONTROL PANEL. MAKE ALL NECESSARY CONNECTIONS. COORDINATE EXACT PLACEMENT OF AERATION EQUIPMENT WITH THE ENCLOSURE DRAWINGS AND OWNER'S REPRESENTATIVE ON SITE PRIOR TO CONSTRUCTION.

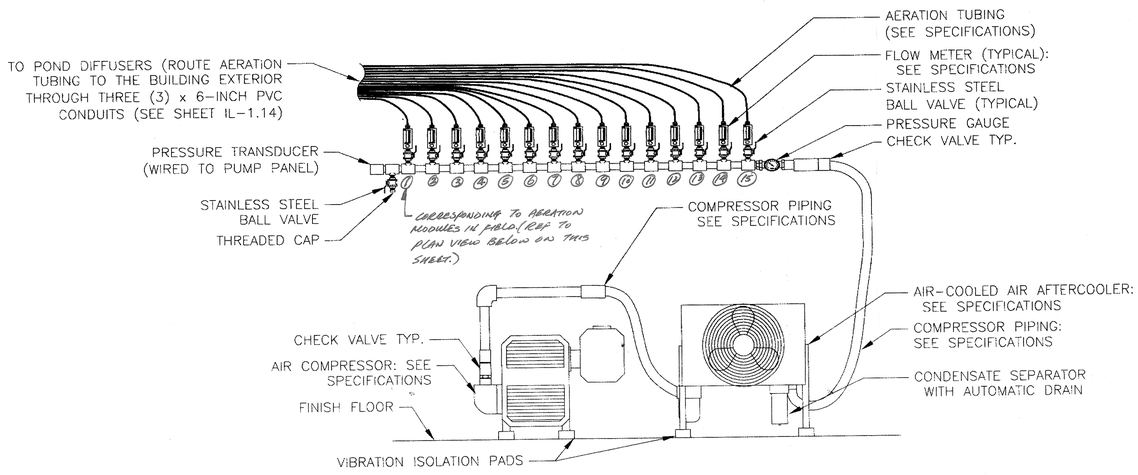
(2) FURNISH AND INSTALL TWO (2), 8-INCH CLASS 200 PVC SLEEVES FOR AERATION PIPING AT POND EDGE IN THE APPROXIMATE LOCATION SHOWN. INSTALL PIPE BOOT ON SLEEVE PER LINER PENETRATION DETAIL 1, SHEET IL-1.9 AND SPECIFICATIONS. COORDINATE EXACT SLEEVE LOCATION WITH OWNER'S REPRESENTATIVE ON SITE PRIOR TO CONSTRUCTION.

(3) FURNISH AND INSTALL SMOOTH RIVER ROCK/COBBLE (D50 = 4-INCHES) OVER AERATION TUBING ALONG LAKE BOTTOM TO PROTECT TUBING FROM FISH HOOKS AND OTHER DEBRIS THAT MAY SETTLE TO THE BOTTOM OF THE LAKE. EXTEND COBBLE A MINIMUM OF 6-INCHES TO EITHER SIDE OF THE TUBE OR BUNDLE OF TUBING.

LEGEND

- [A] — AERATION EQUIPMENT (SEE DETAIL THIS SHEET)
- — — — AERATION TUBING (SEE SPECIFICATIONS)
- ● — AERATION MODULE ASSEMBLY (SEE DETAIL THIS SHEET AND SPECIFICATIONS)
- ═══ — SLEEVING CLASS 200 PVC * SIZE: SEE PLAN FOR SIZE

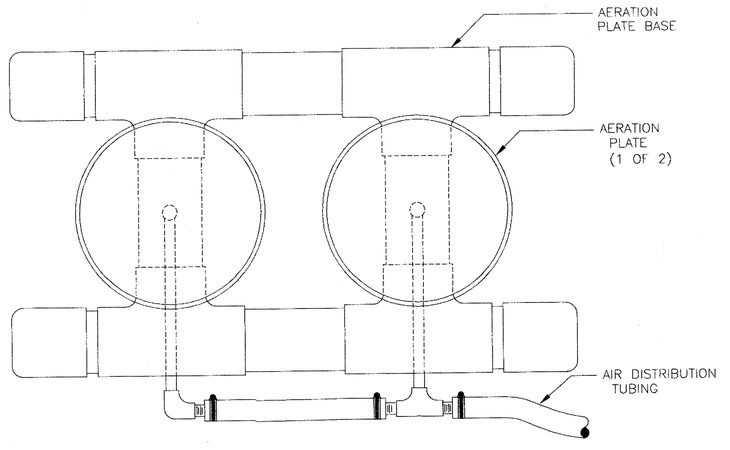




NOTES:
1. SEE SHEET IL-1.14 FOR LOCATION AND ORIENTATION OF AERATION EQUIPMENT.
2. INSTALL AERATION EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
3. INSTALLATION TO CONFORM TO ALL NEC REGULATIONS.
4. CONTRACTOR TO COORDINATE LAYOUT ON-SITE WITH OWNER'S REPRESENTATIVE. DEVELOP SHOP DRAWING OF SYSTEM LAYOUT IN BUILDING PRIOR TO CONSTRUCTION.
5. COORDINATE WITH PUMP STATION MANUFACTURER'S REPRESENTATIVE FOR CONNECTION OF COMPRESSOR TO TIMESWITCH CONTROLLER AND OF THE PRESSURE TRANSDUCER BACK TO THE VERTICAL TURBINE PUMP STATION CONTROL PANEL.
6. REFER TO SHEET IL-1.14 AND AND ARCHITECTURAL DRAWINGS FOR LOCATION OF CONDUITS FOR ROUTING AERATION TUBING TO THE EXTERIOR OF THE BUILDING.
7. COORDINATE WITH ELECTRICAL SUB-CONTRACTOR FOR POWER CONNECTION TO COMPRESSOR AND AIR-COOLED AIR AFTERCOOLER.

1 AERATION SYSTEM ASSEMBLY [A]

N.T.S.



NOTE:
1. PROVIDE ALL NECESSARY FITTINGS AND MAKE ALL CONNECTIONS.
2. PROVIDE NECESSARY BALLAST SO POD WILL NOT FLOAT.
3. FURNISH AND INSTALL ONE 4"x5" BLACK PLASTIC TOILET TANK FLOAT BALL TO THE END OF A 3/8" BLACK NYLON ANCHOR ROPE AT EACH AERATION POD LOCATION. SECURE ROPE TO AERATION POD SUCH THAT FLOAT IS LOCATED APPROXIMATELY 6-INCHES BELOW THE OPERATIONAL WATER SURFACE ELEVATION.

2 AERATION MODULE ASSEMBLY ●

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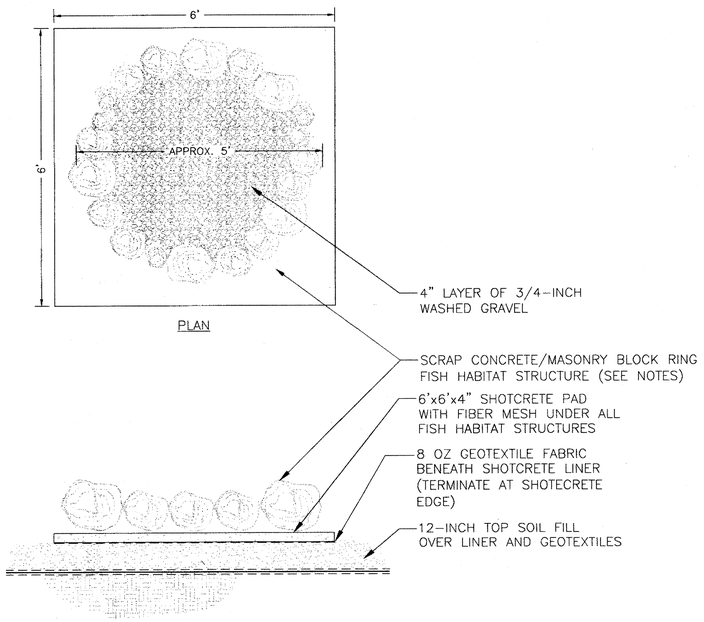
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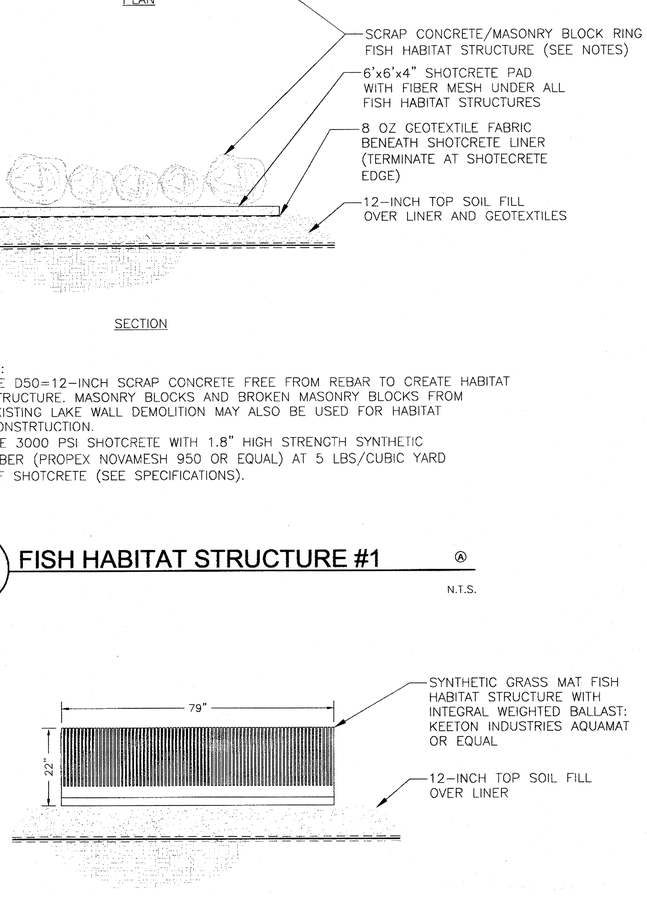
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NOTES:
1. USE D50=12-INCH SCRAP CONCRETE FREE FROM REBAR TO CREATE HABITAT STRUCTURE. MASONRY BLOCKS AND BROKEN MASONRY BLOCKS FROM EXISTING LAKE WALL DEMOLITION MAY ALSO BE USED FOR HABITAT CONSTRTUCTION.
2. USE 3000 PSI SHOTCRETE WITH 1.8" HIGH STRENGTH SYNTHETIC FIBER (PROPEX NOVAMESH 950 OR EQUAL) AT 5 LBS/CUBIC YARD OF SHOTCRETE (SEE SPECIFICATIONS).

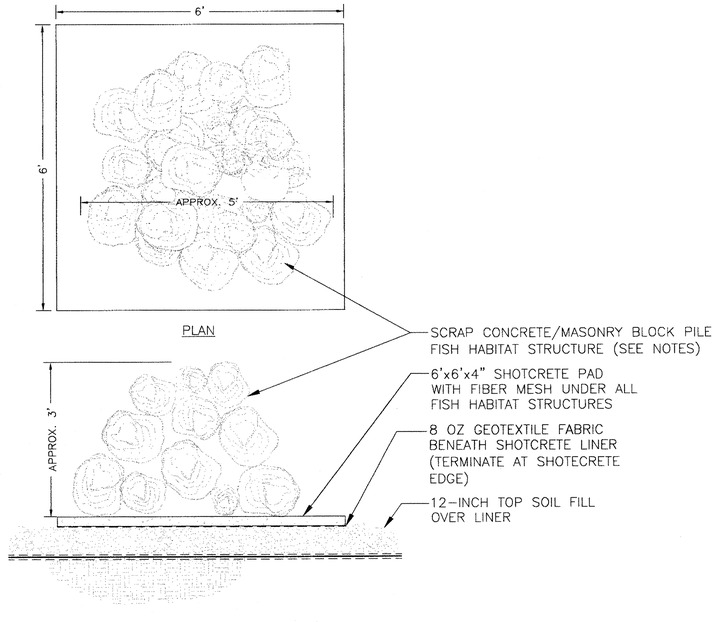
1 FISH HABITAT STRUCTURE #1 Ⓐ

N.T.S.



3 FISH HABITAT STRUCTURE #3 Ⓐ

N.T.S.



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2 FISH HABITAT STRUCTURE #2 Ⓑ

N.T.S.



NORTH

0 60' 120' 240'

SCALE: 1" = 60'-0"

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LEGEND - FISH HABITAT TREATMENTS

- Ⓐ FISH HABITAT STRUCTURE #1
- Ⓑ FISH HABITAT STRUCTURE #2
- Ⓐ FISH HABITAT STRUCTURE #3

4 FISH HABITAT PLAN

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