

DEPARTMENT OF PUBLIC WORKS

CAPITAL PROJECT MANAGEMENT



Mayor:
CAROLYN GOODMAN

City Council:

STEVEN D. ROSS
(Mayor Pro-Tem)

STAVROS S. ANTHONY
LOIS TARKANIAN
RICKI Y. BARLOW
BOB COFFIN
BOB BEERS

City Manager:
SCOTT D. ADAMS

Director of Public Works:
DAVID BOWERS, P.E., P.T.O.E.

PARKS & RECREATION DEPARTMENT

Durango Hills Pickleball Courts

Bid No: 16.65764.DC

APN: 138-08-701-013

ZONE: C-V

APPROVED BY:

DATE:

6/6/17

Allen Pavelka, P.E., City Engineer
Department of Public Works

REVIEWED FOR CODE COMPLIANCE

JUN 14 2017 DM
CITY OF LAS VEGAS
BUILDING AND SAFETY

THESE PLANS WERE CHECKED
UNDER THE 2012 IRC,
THE 2011 NEC, AND THE
2012 IBC, UPC, AND UMC

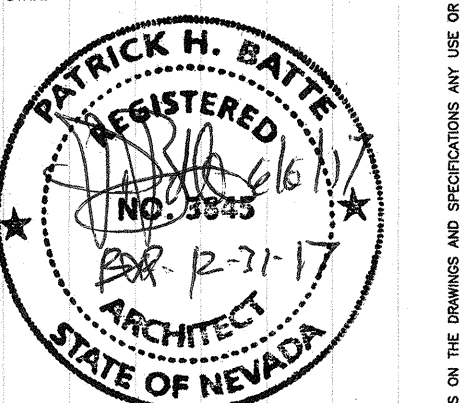
PLANS APPROVED
PLANNING
Building & Safety Dept.
City of Las Vegas, Nevada

JA JUN 22 2017

Conforms to the minimum requirements of
LVMC Title 19, applicable Master Plan
development standards and/or Conditions of
Approval. Make No Change Without Approval.
Plan is Not a Permit to Violate Any Ordinance.

Durango Hills Pickleball Courts
3521 N. Durango Drive
Las Vegas, Nevada 89129
Cover Sheet

RECEIVED
JUN - 8 '17 7 09 31
CITY OF LAS VEGAS



OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

333 North Rancho Drive
LAS VEGAS, NEVADA 89106
PHONE: (702) 229-6535
FAX: (702) 386-4046
TDD: (702) 386-9108

DRAWN	ptb
FILE	xxx
DATE	June 2017
SCALE	none
BID NO	16.65764.DC
CLV DWS NO	65066-4
HANSEN #	65764
SHT NO	A0.01

A0.01

ABBREVIATIONS			
4 • C • • •	And At Centerline Diameter or Round Found or Number	LAB. LAB. LAV. LKR LT.	Laboratory Landscape Lavatory Locker Light
ACOUS.	Acoustical	MAX.	Maximum
AD.	Area Drain	MC.	Medicine Cabinet
ADJ.	Adjustable	MECH.	Mechanical
AFF.	Above Finish Floor	MEPB.	Membrane
AGGR.	Aggregate	MFR.	Manufacturer
AL/ALUM.	Aluminum	MH.	Manhole
APPROX.	Approximate	MIN.	Minimum
ARCH.	Architectural	MIR.	Mirror
ASPH.	Asphalt	MISC.	Miscellaneous
AV.	Audio/Visual	M.O.	Masonry Opening
BD.	Board	MOUNT.	Mounted
BITUM.	Bitumhouse	MULL.	Mullion
BLDG.	Building	N.	North
BLK.	Block	N.I.C.	Not In Contract
BLKG.	Blocking	NO.	Number
BM.	Beam	NOM.	Nominal
B.O.	Bottom of	N.T.S.	Not To Scale
B.O.D.	Bottom of Opening		
CAB.	Cabinet	O.A.	Over All
C.B.	Catch Basin	OBS.	Obscure
CEM.	Cement	OC.	On Center
CER.	Ceramic	OD.	Outside Diameter
C.I.	Cast Iron	OF.C.I.	Owner Furnish
CLG.	Ceiling	OF.OI.	Owner Furnish
CLK.	Clauking	OF.I.	Owner Install
CL.C.	Closest	OFF.	Office
CLR.	Clear	OPNG.	Opening
COL.	Column	OPP.	Opposite
CONC.	Concrete		
CON.	Connection	F.C.	Point of Curve
CF.C.I.	Contractor Furnished	PRCST.	Pre-cast
CF.OI.	Contractor Installed	PL.	Plate
CF.OI.	Contractor Furnished	PL.LAM.	Plastic Laminate
CG.	Owner Installed	PLAS.	Plaster
CG.	Owner Installed	PLYWD.	Plywood
CONSTR.	Construction	FR.	Fair
CONT.	Continuous	PT.	Point of Tangency
CORR.	Corridor	P.T.D.	Paper Towel Dispenser
CORRUG.	Corrugated	P.T.D/R	Paper Towel Dispenser
CPT.	Carpet		and Receptacle
CR.	Carpet Roll 4 Cold-Rolled	PTN.	Partition
CTK.	Counter Sink	P.T.R.	Paper Towel Receptacle
CNTR.	Counter		
CTR.	Center	QT.	Quarry Tile
C.T.	Ceramic Tile		
DBL.	Double	R.	Riser
DEPT.	Department	RAD.	Radius
DF.	Drinking Fountain	R.D.	Root Drain
DET./DTL.	Detail	REF.	Reference
DIA.	Diameter	REFR.	Refrigerator
DI.	Dimension	REGTR.	Register
DISP.	Dispenser	RENF.	Reinforced
DN.	Down	REQ.	Required
D.O.	Door Opening	RESIL.	Resilient
DR.	Door	ROOM.	Room
DS.	Downspout	R.O.	Rough Opening
D.SP.	Dry Standpipe	RWD.	Radiused
DUG.	Draining	RULL.	Rain Water Leader
DUR.	Drawer		
E.	East	S.	South
EA.	Each	S.C.	Solid Core
EJ.	Expansion Joint	S.C.D.	Seat Cover Dispenser
EL.	Elevation	SCHED.	Schedule
ELC.	Electrical	S.D.	Storm Drain
EMER.	Emergency	SECT.	Section
ENCL.	Enclosure	SH.	Shelf
EP.	Electrical Panel	SHR.	Shower
EPDN.	Single Ply Roof Membrane	SHT.	Sheet
EQ.	Equal	STRUCT.	Structural
EQUIP.	Equipment	SM.	Similar
EWIC.	Electric Water Cooler	SND.	Sanitary Napkin Dispenser
EXST.	Existing	SPEC.	Specification
EXPO.	Exposed	SQ.	Square
EXP.	Expansion	SS.	Stainless Steel
EXT.	Exterior	SSK.	Service Sink
FA.	Fire Alarm	STA.	Station
FB.	Flat Bar	STD.	Standard
FD.	Floor Drain	STL.	Steel
FON.	Foundation	STOR.	Storage
FE.	Fire Extinguisher	STR.	Structural
FEC.	Fire Extinguisher Cabinet	SUSP.	Suspended
FF.	Finish Floor	SYM.	Symmetrical
FH.	Fire Hydrant		
FHC.	Fire Hose Cabinet	T.D.	Tread
FIN.	Finish	TB.	Towel Bar
FLR.	Floor	TEL.	Telephone
FLASH.	Flashing	TER.	Ter
FLUOR.	Fluorescent	T.G.	Tongue and Groove
F.O.C.	Face of Concrete	THK.	Thick
F.O.F.	Face of Finish	T.O.C.	Top of Concrete
F.O.S.	Face of Studs	T.O.P.	Top of Parapet
FFP.	Fireproof	T.O.S.	Top of Steel
F.F.S.	Finished Surface	T.O.W.	Top of Wall
FFS.	Feet or Foot	T.P.D.	Toilet Paper Dispenser
FTG.	Footing	T.S.S.	Top of Structural Slab
FUT.	Future	T.V.	Television
GA.	Gauge	TYP.	Typical
GALV.	Galvanized	UNFIN.	Unfinished
GB.	Grab Bar	UNO.	Unless Noted Otherwise
GL.	Glass	UR.	Urinal
GND.	Ground		
GR.	Grade	VAR.	Varies
GYP.	Gypsum	V.C.G.	Vinyl Corner Guard
HB.	Hose Bibb	VERT.	Vertical
H.C.	Hollow Core	VEST.	Vestibule
HQUD.	Hardwood	VR.	Vapor Retarder
HQWE.	Hardware	V.T.	Vinyl Tile
H.M.	Hollow Metal	W.	With
HORIZ.	Horizontal	W.C.	Water Closet
HR.	Hour	W.D.	Wood
HGT.	Height	W.L.	Water Line
ID.	Inside Diameter	W.O.	Where Occurs
INSUL.	Insulation	W/O.	Without
INT.	Interior	WP.	Waterproof
JAN.	Janitor	UR.	Water-resistant
JT.	Joint	USCT.	Uninsulated
KIT.	Kitchen	WT.	Weight
		WWM.	Welded Wire Mesh

Abbreviations

1. THE DRAWINGS AND SPECIFICATIONS ARE PREPARED TO SHOW THE ARCHITECTS INTENT IN THE DESIGN AND CONSTRUCTION FOR THIS PROJECT. IN ALL MATTERS RELATED TO THE USE OR INTERPRETATION OF THESE VARIOUS DRAWINGS AND SPECIFICATIONS, THE ARCHITECTS WRITTEN STATEMENT SHALL BE CONSIDERED FINAL.

2. ALL CONSTRUCTION MATERIALS SHALL BE EQUAL TO OR EXCEED MINIMUM REQUIREMENTS OF THE CURRENT EDITIONS OF THE INTERNATIONAL BUILDING CODE, NATIONAL ELECTRICAL CODE, AND ALL REQUIREMENTS OF THE VARIOUS GOVERNING AGENCIES.

3. ALL WORK IS TO BE COMPLETE, OFFERABLE AND ACCOMPLISHED IN A NEAT AND WORKMANLIKE MANNER, IN ACCORDANCE WITH THE BEST PRACTICES OF THE VARIOUS TRADES AND TO THE SATISFACTION OF THE ARCHITECT AND/OR OWNER.

4. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES.

5. SHOULD A DISCREPANCY APPEAR IN SPECIFICATIONS OR DRAWINGS, OR IN WORK DONE BY OTHERS, THAT AFFECT THE WORK, NOTIFY THE ARCHITECT AT ONCE FOR INSTRUCTIONS. IF THE CONTRACTOR PROCEEDS WITH THE WORK AFFECTED WITHOUT WRITTEN INSTRUCTION FROM THE ARCHITECT THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY WORK RESULTING IN DAMAGE OR DEFECT.

6. SHOULD A CONFLICT OR DISCREPANCY OCCUR IN/OR BETWEEN DRAWINGS AND SPECIFICATIONS, THE CONTRACTOR SHALL PROVIDE THE MOST EXPENSIVE MATERIALS AND CONSTRUCTION INVOLVED. UNLESS HE HAS ASKED FOR AND OBTAINED WRITTEN INSTRUCTION FROM THE ARCHITECT AS TO WHICH METHOD OR MATERIALS WILL BE REQUIRED.

7. THE GENERAL CONTRACTOR IS TO BE FAMILIAR WITH THE EXISTING JOB SITE AND CONDITIONS. HE IS TO ACCEPT THOSE EXISTING CONDITIONS AS HE FINDS THEM.

8. ALL TRADES ARE TO BE FAMILIAR WITH ALL DOCUMENTS AND INFORMATION SHOWN. INFORMATION ON ONE DRAWING IS AS BINDING AND IS AS IF SHOWN ON ALL DRAWINGS.

9. NO PORTION OF THE WORK REQUIRING A SHOP DRAWING OR SAMPLE SUBMISSION SHALL BE COMMENCED UNTIL THE SUBMISSION HAS BEEN APPROVED BY THE ARCHITECT. ALL SUCH PORTIONS OF THE WORK SHALL BE IN ACCORDANCE WITH APPROVED SHOP DRAWINGS AND SAMPLES.

10. THE CONTRACTOR SHALL CONFINE OPERATIONS AT THE SITE TO AREAS PERMITTED BY LAW, ORDINANCES, PERMITS AND THE CONTRACT DOCUMENTS. HE SHALL NOT UNREASONABLY ENCUMBER THE SITE WITH ANY MATERIALS OR EQUIPMENT. CONTRACTOR SHALL COORDINATE ALL AREAS WITH OWNER PRIOR TO CONSTRUCTION.

11. THE CONTRACTOR SHALL DO ALL CUTTING, FITTING OR PATCHING OF HIS WORK THAT MAY BE REQUIRED AND SHALL NOT ENDANGER ANY WORK BY CUTTING, EXCAVATING, OR OTHERWISE ALTERING THE WORK OR ANY PART OF IT.

12. ALL PATCHING, REPAIRING AND REPLACING OF MATERIALS AND SURFACES CUT OR DAMAGED IN EXECUTION OF WORK SHALL BE REPAIRED WITH AFFICABLE MATERIALS SO THAT SURFACES REPLACED WILL, UPON COMPLETION, MATCH SURROUNDING SIMILAR SURFACES COLOR AND TEXTURE.

13. THE GENERAL CONTRACTOR SHALL MAINTAIN THE JOB SITE IN A CLEAN AND ORDERLY CONDITION, FREE OF DEBRIS AND LITTER. EACH SUB-CONTRACTOR, IMMEDIATELY UPON COMPLETION OF EACH DAY'S WORK, SHALL REMOVE ALL TRASH AND DEBRIS AS A RESULT OF HIS OPERATION. CONTRACTOR SHALL NOT USE CITY TRASH CANS OR DUMPSTERS.

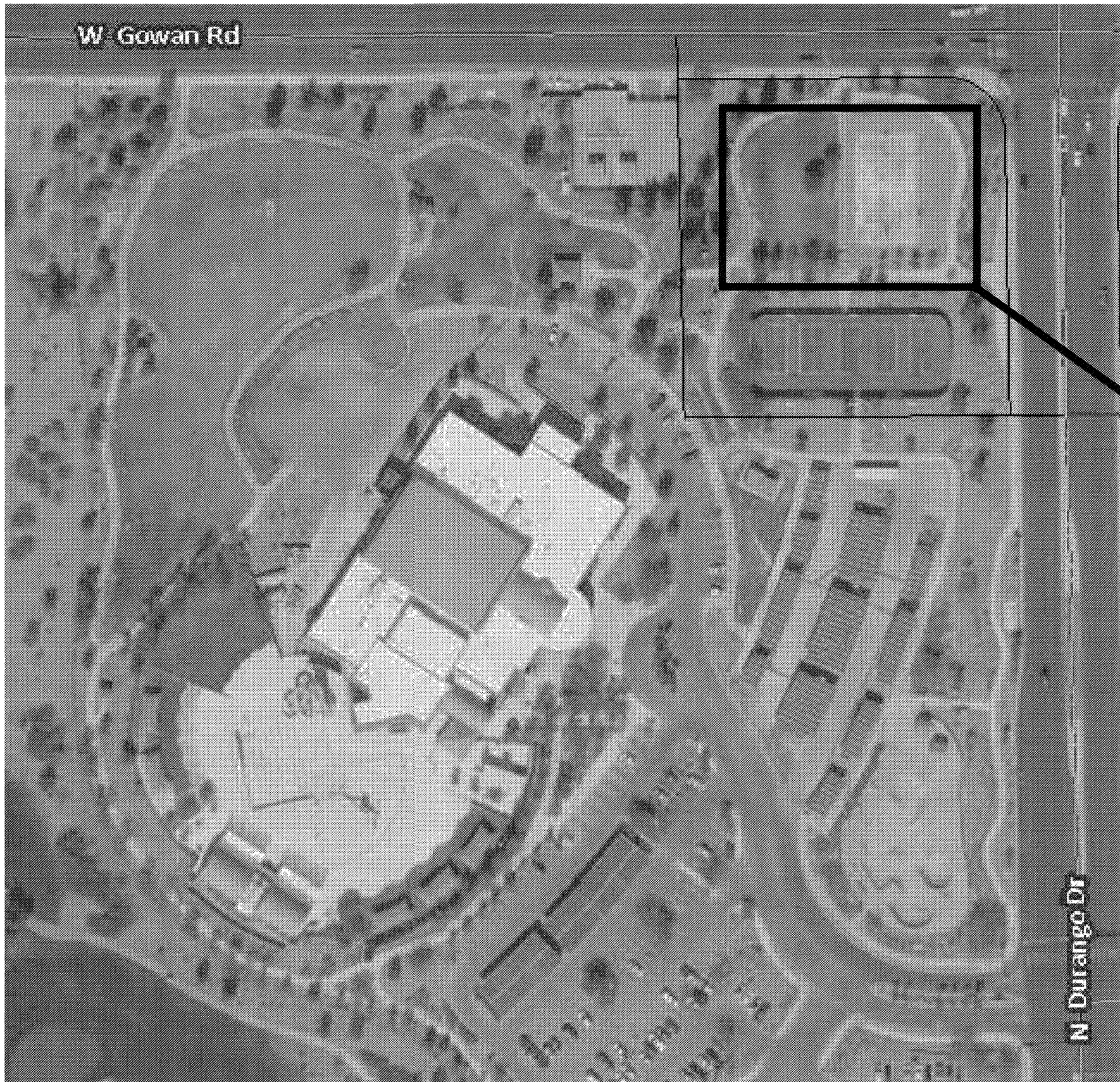
14. ALL MATERIAL STORED ON THE SITE SHALL BE PROPERLY STACKED AND PROTECTED TO PREVENT DAMAGE AND DETERIORATION UNTIL USED. FAILURE TO PROTECT MATERIALS MAY BE CAUSE FOR REJECTION OF WORK.

15. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES:

LATEST EDITIONS OF THE IBC, NEC, UFC, ICC/ANSI A117-2003 & SOUTHERN NEVADA AMENDMENTS. LATEST REVISION OF A.S.T.M. SPECIFICATIONS NOTED. CODES AND STANDARDS LISTED IN THESE SPECIFICATIONS, CODES AND STANDARDS OF ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK.

16. INSTALL ALL MANUFACTURED ITEMS, MATERIALS AND EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED SPECIFICATIONS, UNLESS OTHERWISE SPECIFICALLY NOTED AND APPROVED BY THE ARCHITECT.

General Notes



Key Plan - Durango Hills Pickleball Courts

1

101

→

SHEET NOTE

ROOM NUMBER

DATUM REFERENCE

1

1

→

WALL TYPE INDICATOR

1

1

→

WINDOW TYPE INDICATOR

1

1

→

REVISION

1

1

→

INTERIOR / EXTERIOR ELEVATION

1

1

→

DETAIL INDICATOR

1

1

→

BUILDING SECTION

Symbol Legend

1. CODE YEAR
BUILDING CODE EDITION : 2012 I.B.C. WITH ORD. 6350.
ELECTRICAL CODE EDITION 2011 N.E.C. WITH ORD. 6356.
SOUTHERN NEVADA BUILDING CODE AMENDMENTS, 2012 I.B.C.
CITY OF LAS VEGAS ADMIN CODE WITH ORD. 6349
ACCESSIBILITY BY ICC/ANSI A117.2003 STANDARD.

2. OCCUPANCY CLASSIFICATION 3121 - FOR DEFERRED SUBMITTAL SHADE STRUCTURES GROUP U.

3. TYPE OF CONSTRUCTION: V-B

4. FIRE SFRINKLERS: NO

5. FIRE ALARM: N/A

6. BLDG HEIGHT FOR RAMADA 10'-1 3/4" - ACTUAL ALLOWED 40'

7. STORIES - ACTUAL: ONE

8. AREA: 12' X 12' RAMADA = 144 SF. (2) 9' X 8' RAMADAS = 144 SF

9. OCCUPANT LOAD: N/A

10. EXITS-TABLE 1021 - N/A

11. TABLE 601-FIRE-RESISTANCE RATING REQUIREMENTS-N/A

12. TABLE 602: FIRE-RESISTANCE RATING REQUIREMENTS -N/A

13. MAXIMUM AREA OF EXTERIOR WALL OPENINGS PER TABLE 105.8-N/A

14. NON SEPARATED OCCUPANCIES-N/A

15. NON SEPARATED OR SEPARATED USES-N/A

16. MIN. ROOF CLASS VB: TABLE 1505.1-N/A

17. MINIMUM NUMBER OF PLUMBING FACILITIES - N/A

AREAS BELOW ARE FOR BUILDING PERMIT FEE ONLY. NOT TO BE USED BY CONTRACTOR FOR BID. CONTRACTOR IS RESPONSIBLE FOR ACCURATE QUANTITIES.
228 LINEAR FEET OF 10' HIGH FENCING
5.6/15 SF OF POST TENSIONED SLAB.
625 SF OF WALKWAY SLAB.
TOTAL SITE AREA UNDER DEVELOPMENT - 10,415 SF.

Code Analysis



Vicinity Map

Project Manual

Under Separate Cover.

Architectural

A0.01
A0.02
C100
C100
C100
C101
A0.03
A100
A200
A300
A301
A400
A401
S0.01
S1
S21
S22
S31
E0.01
E0.30
E0.31
E4.01
E5.01

Cover
Index, Symbol Legend, Key Plan, Vicinity Plan, General Notes.
Civil Horizontal Control
Civil Grading Plan
Civil Grading Section Details
Overall Site Plan & Conduit Trench Plan.
Enlarged Site Demolition Plan
Enlarged Area Plan, Keynotes
Pickleball Court Layout, Hardscape Details
Enlarged Basketball Court Plan, Details
Irrigation Plan and Notes
Irrigation Details and Notes.
General Structural Notes
Pickleball Court Plan
Typical Details
Typical Details
Foundation Details
Electrical General Information
Electrical Site Plan
Enlarged Electrical Site Plan
Electrical Details
One Line Diagrams

Index of Drawings

Owner Representative: City of Las Vegas

333 NORTH RANCHO DRIVE 9TH FLOOR
LAS VEGAS, NEVADA 89106

CONTACT: PATRICK BATTE' AIA LEED AP
PHONE: 102 229-1046
FAX: 102 464-5102

Architectural: City of Las Vegas

333 NORTH RANCHO DRIVE 9TH FLOOR
LAS VEGAS, NEVADA 89106

CONTACT: PATRICK BATTE' AIA LEED AP
PHONE: 102 229-1046
FAX: 102 464-5102

Structural Engineering: E62

3632 NORTH RANCHO DRIVE
LAS VEGAS, NV 89130

CONTACT: GREG MEYER-PRINCIPAL
PHONE: 102 616-3101

Electrical Engineering: TJK Consulting Engineers

8120 SPANISH RIDGE AVE. STE. 100
LAS VEGAS, NV 89148

CONTACT: DAVID TOMCZYK
PHONE: 102 871-3621 CELL: 102 313-1986

Project Directory

CITY OF LAS VEGAS
NEVADA

REVISORS

CONSULTANT

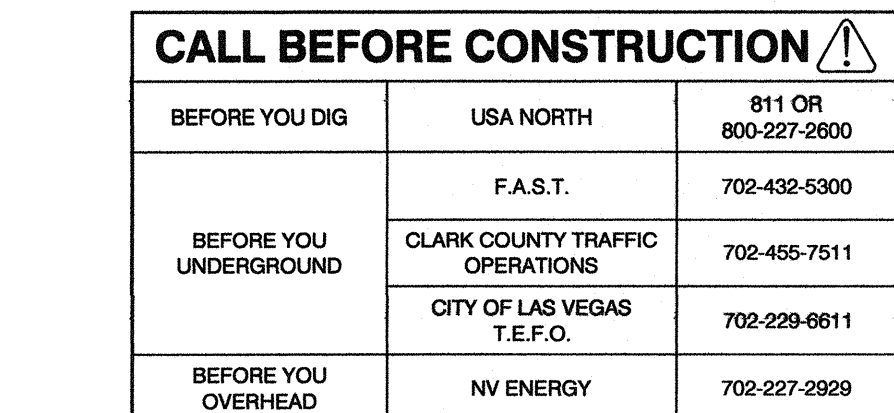
Durango Hills Pickleball Courts
3521 N. Durango Drive
Las Vegas, Nevada 89129
Index of Drawings, Symbol Legend, Vicinity Plan,
Key Plan, General Notes

PATRICK H. BATTE
REGISTERED
ARCHITECT
NO. 3845
EX. 1231-17
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

333 North Rancho Drive
LAS VEGAS, NEVADA 89106
PHONE: (702) 229-6535
FAX: (702) 384-8848
TDD: (702) 386-9108

DRAWN: phb
FILE:
DATE: June 2017
SCALE: Noted
BD NO: 16.65164.DC
CLV DWG NO: 650.66-4
HANSEN # 65164
SIT NO: A0.02



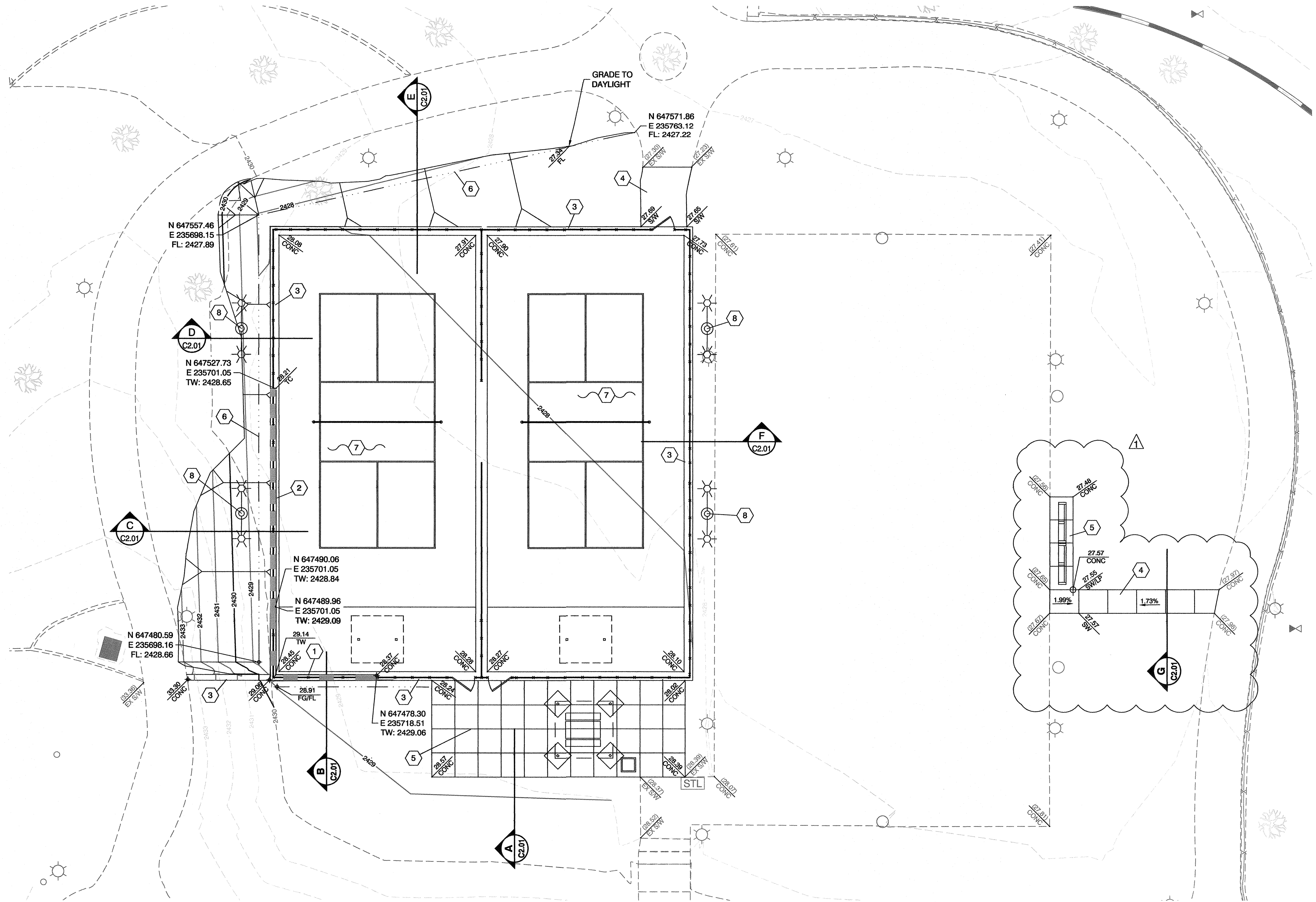
BASIS OF BEARINGS:
GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN, THE REFERENCE FRAME UTILIZED BEING NAD 83 (2011) EPOCH 2010.0.

BENCHMARK:
CITY OF LAS VEGAS BENCHMARK 9LV008E4
DESCRIPTION: RIVET AND PLATE IN TOP OF CURB, NORTHWEST
CORNER OF GOWAN ROAD AND DURANGO DRIVE
ELEVATION: 2424.84 FEET (NAVD88-2008 CLV ADJUSTMENT)

CURVE TABLE				
CURVE	RADIUS	DELTA	LENGTH	TANGENT
C1	12.52'	10°28'28"	2.29'	1.15'
C2	57.56'	4°51'56"	4.89'	2.45'

LINE TABLE		
NO.	BEARING	LENGTH
L1	S0°00'00"E	16.00'
L2	N90°00'00"E	3.97'
L3	N0°00'00"E	16.84'
L4	S89°59'32"W	36.05'
L5	N90°00'00"W	73.00'
L6	N0°00'00"E	78.00'
L7	N90°00'00"E	64.07'
L8	N0°35'51"W	8.11'
L9	N90°00'00"E	29.25'
L10	N90°00'00"E	28.47'
L11	S0°33'17"E	5.57'
L12	N90°00'00"W	14.31'

[illegible]



CALL BEFORE CONSTRUCTION		
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-6300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-228-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

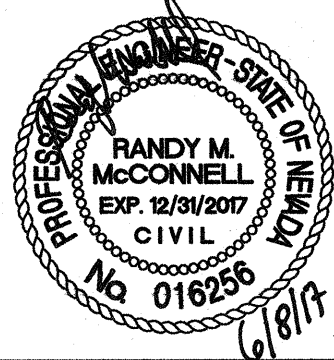
CONSTRUCTION NOTES:

- 9" HIGH STEM WALL. SEE STRUCTURAL PLAN FOR DETAIL.
- 5" HIGH STEM WALL. SEE STRUCTURAL PLAN FOR DETAIL.
- CONCRETE MOW CURB. SEE ARCHITECTURAL PLAN FOR DETAIL.
- CONCRETE SIDEWALK. SEE ARCHITECTURAL PLAN FOR DETAIL.
- CONCRETE AREA. SEE ARCHITECTURAL PLAN FOR DETAIL.
- CONSTRUCT DRAINAGE SWALE. SEE ARCHITECTURAL PLAN FOR FINISH MATERIAL.
- CONSTRUCT POST TENSION SLAB. SEE ARCHITECTURAL AND STRUCTURAL PLANS.
- PROPOSED COURT LIGHTING. SEE ARCHITECTURAL, ELECTRICAL AND STRUCTURAL PLANS.

LEGEND:

- 9" HIGH STEM WALL
- 5" HIGH STEM WALL
- DRAINAGE SWALE FLOW LINE

RECEIVED
JUN 12 2017 7 09 31
CITY OF LAS VEGAS



SHEET
C2.00
DRAWING NO.
650.66-4

PREPARED FOR
CITY OF LAS VEGAS

BID# 16.65764.DC
H# 65764
DATE: APRIL 2017
SUBMITTAL STAGE:
100% - FINAL

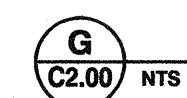
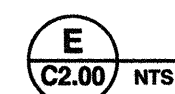
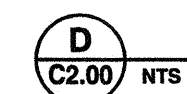
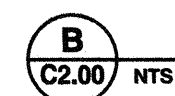
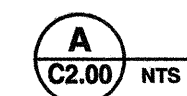
TITLE
DURANGO HILLS PICKLEBALL COURTS

SHEET
GRADING PLAN



PREPARED BY
**DEPARTMENT OF PUBLIC WORKS
CAPITAL PROJECT MANAGEMENT**

NO.	DATE	REVISIONS
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		



PREPARED FOR	CITY OF LAS VEGAS		
	HH# 65764	BID# 16.65764.DC	
	DATE: JUNE 2017	DESIGNED BY: PHB	
	SUBMITTAL STAGE:	DRAWN BY: HS	
	100% - FINAL	CHECKED BY: RMM	

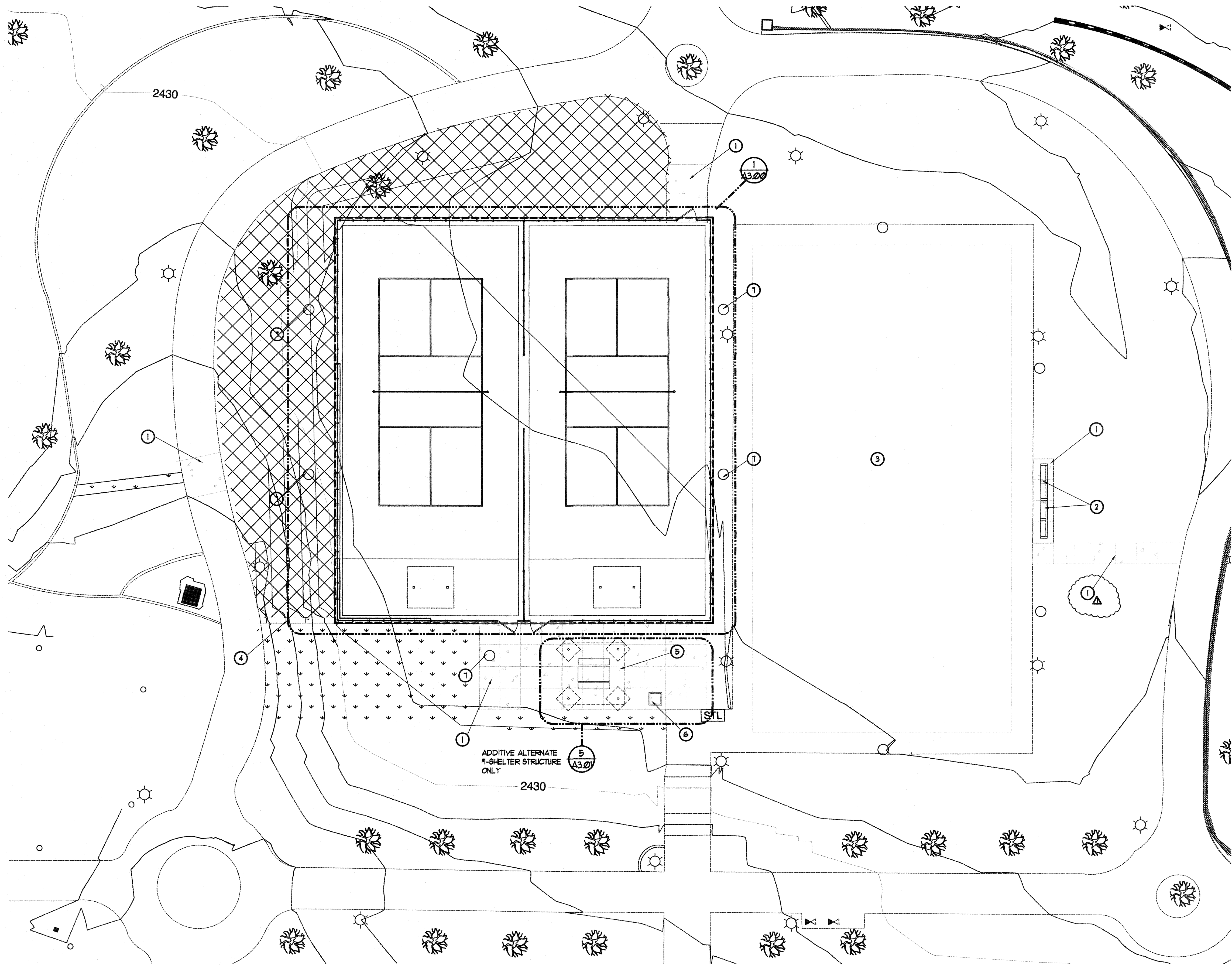
GRADING SECTION DETAILS

SHEET

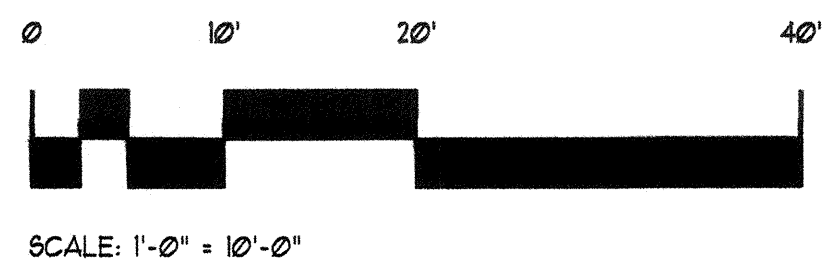


DRAWING NO.
650.66-4

RECEIVED
JUN 12 2017 7 09 31
CITY OF LAS VEGAS



1 Enlarged Area Plan
Scale: 1"=10'-0"



Key Notes:

- NEW 5" THICK CONCRETE WALKWAY SLAB, MATCH LEVEL OF EXISTING CONCRETE WALKWAY, REFER TO CIVIL DRAWINGS.
- RELOCATED CONCRETE BENCH
- EXISTING BASKETBALL COURT
- NEW 12" WIDE CONCRETE MOW CURB-SEE DETAIL 4/A3.01
- PRECAST CONCRETE PICNIC TABLE, DESIGN INTENT BASED ON OUTDOOR CREATIONS MODEL 1602F69K, COLOR TO MATCH EXISTING CONCRETE BENCH AT BASKETBALL COURT.
- PRECAST CONCRETE TRASH RECEPTACLE WITH CITY OF LAS VEGAS LOGO, DESIGN INTENT BASED ON OUTDOOR CREATIONS MODEL 5021 WITH 45 GALLON PLASTIC LINER, COLOR TO MATCH EXISTING CONCRETE BENCH.
- NEW COURT LIGHT AND CONCRETE BASE TYPICAL SEE DETAIL 8/A3.00 AND ELECTRICAL PLANS.

Ground Legend

- NEW 5" THICK CONCRETE WALKWAY SLAB
- DECORATIVE ROCK COLOR AND 1/2" MINUS SIZE TO MATCH EXISTING COLOR, MINIMUM 3" DEPTH.
- NEW SODDED TURF - TIFWAY T-419 OR TIF SPORTS.

General Notes:

- CONTRACTOR TO PROVIDE PROTECTION FOR EXISTING TREES TO REMAIN WHILE DEMOLISHING EXISTING EQUIPMENT, ETC. REFERENCE SPECIFICATIONS.
- FIELD VERIFY ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATION. COORDINATE WITH CLV REPRESENTATIVE PRIOR TO PROCEEDING WITH ANY DEMOLITION. REF. CIVIL AND ELECTRICAL DRAWINGS.
- DECOMPOSED GRANITE - INSTALL THE MINIMUM LAYER OF DECOMPOSED GRANITE WHERE INDICATED. PROVIDE SAMPLES FOR APPROVAL PRIOR TO INSTALLATION. COMPACT SUB-GRADE TO 88% AND APPLY A PRE-EMERGENT HERBICIDE TO SOIL. AFTER PLACEMENT, RAKE SMOOTH, LET TO ENTIRE DEPTH, ALLOW TO DRY, THEN LIGHTLY SCARIFY SURFACE WITH A LEAF RAKE. APPLY A SECONDARY APPLICATION OF PRE-EMERGENT HERBICIDE TO TOP OF ROCK.

REVIEWED FOR CODE COMPLIANCE

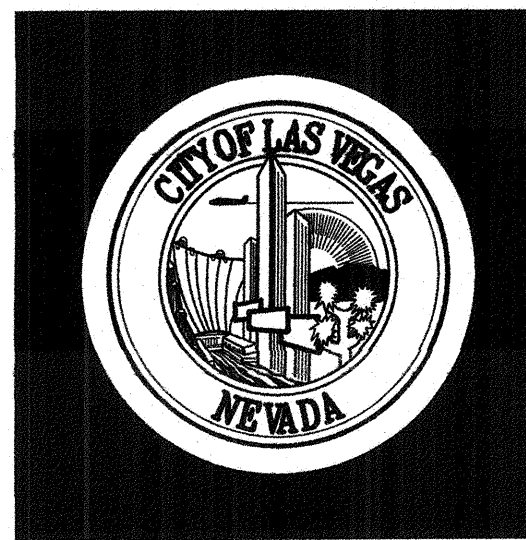
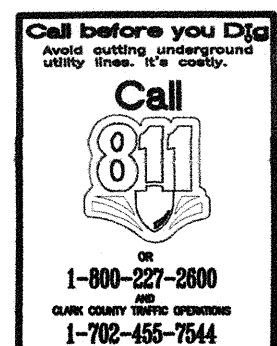
JUN 14 2017 DM

CITY OF LAS VEGAS
BUILDING AND SAFETY

RECEIVED

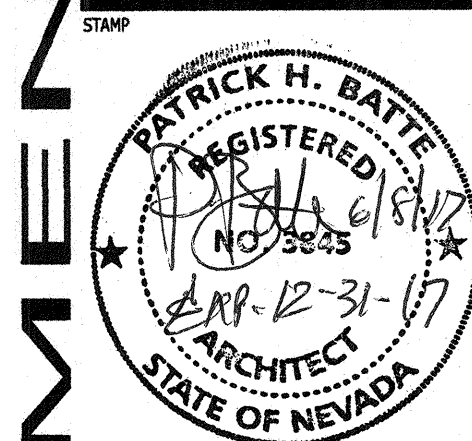
JUN 12 2017 70931

CITY OF LAS VEGAS



REVISIONS	Δ BLDG. DEPT 6-8-17
CONSULTANT	

Durango Hills Pickleball Courts
3521 N. Durango Drive
Las Vegas, Nevada 89129
Enlarged Area Plan
Keynotes

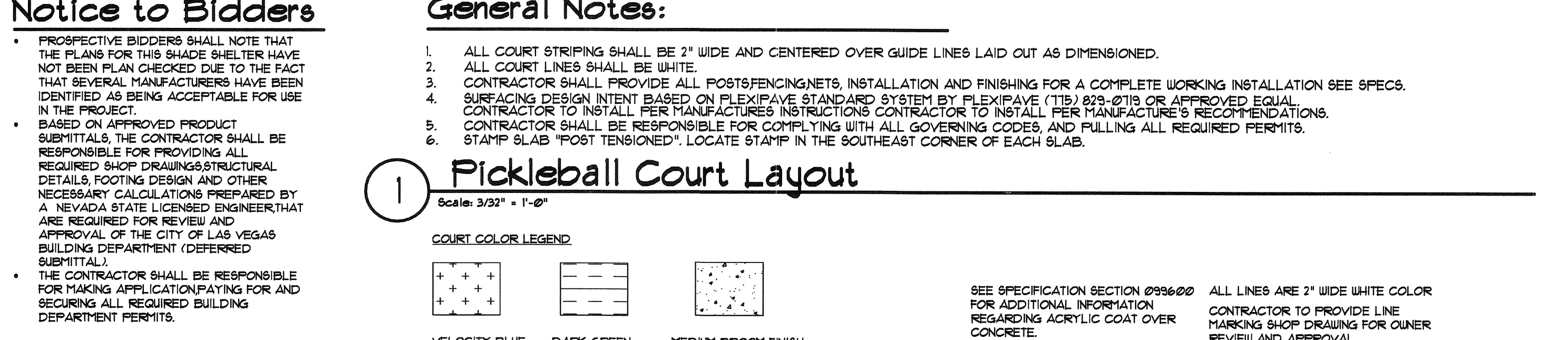
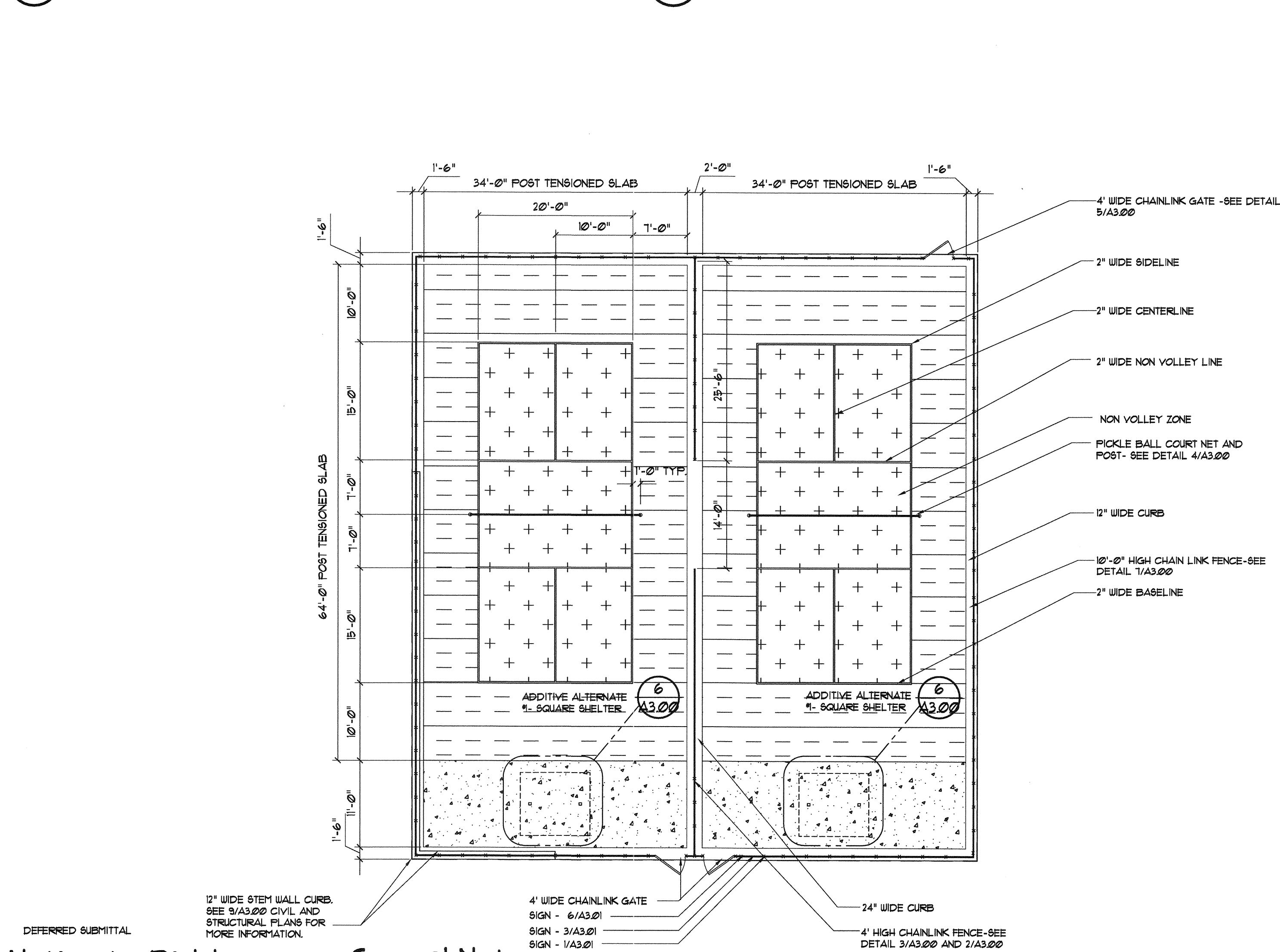
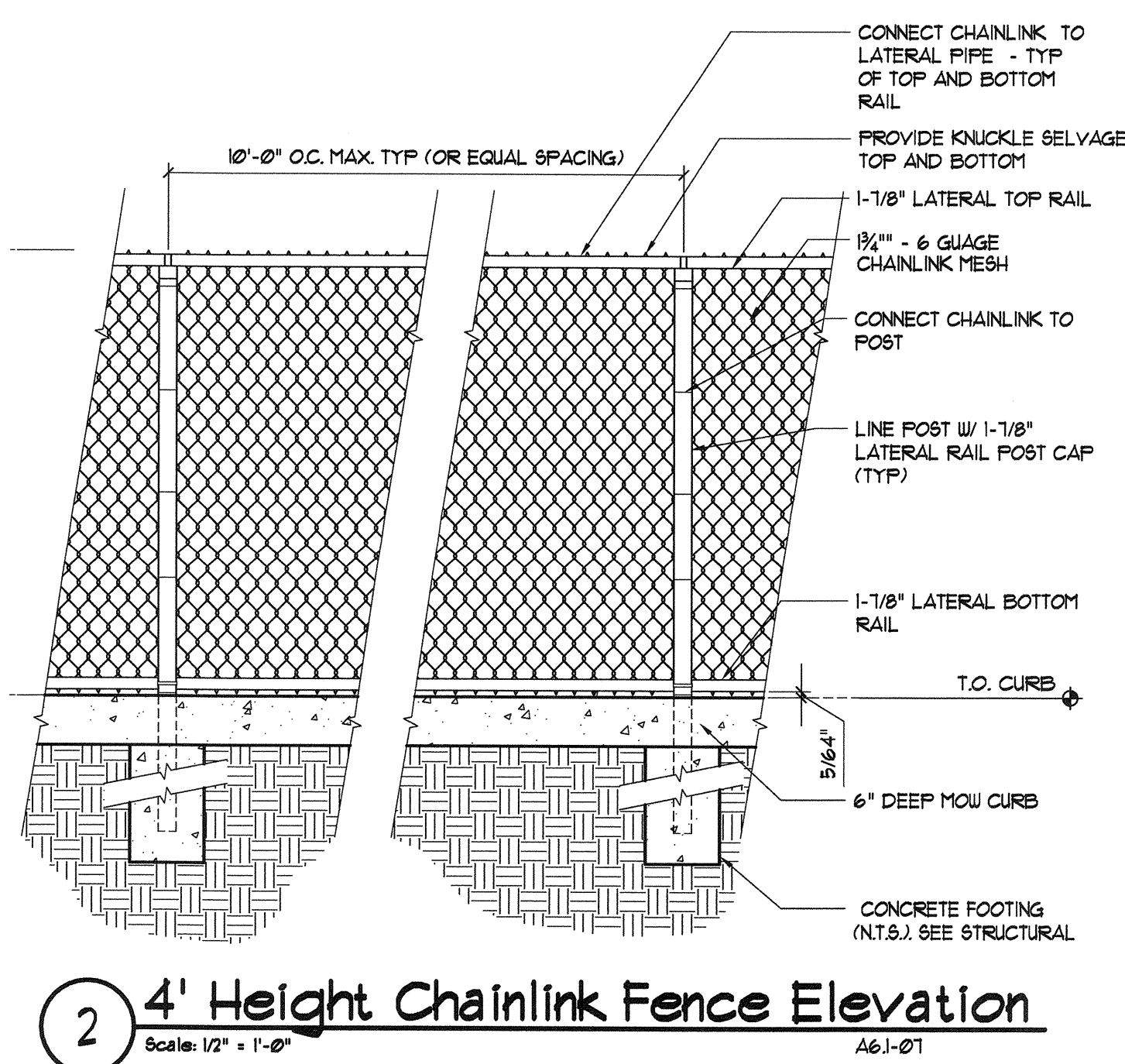


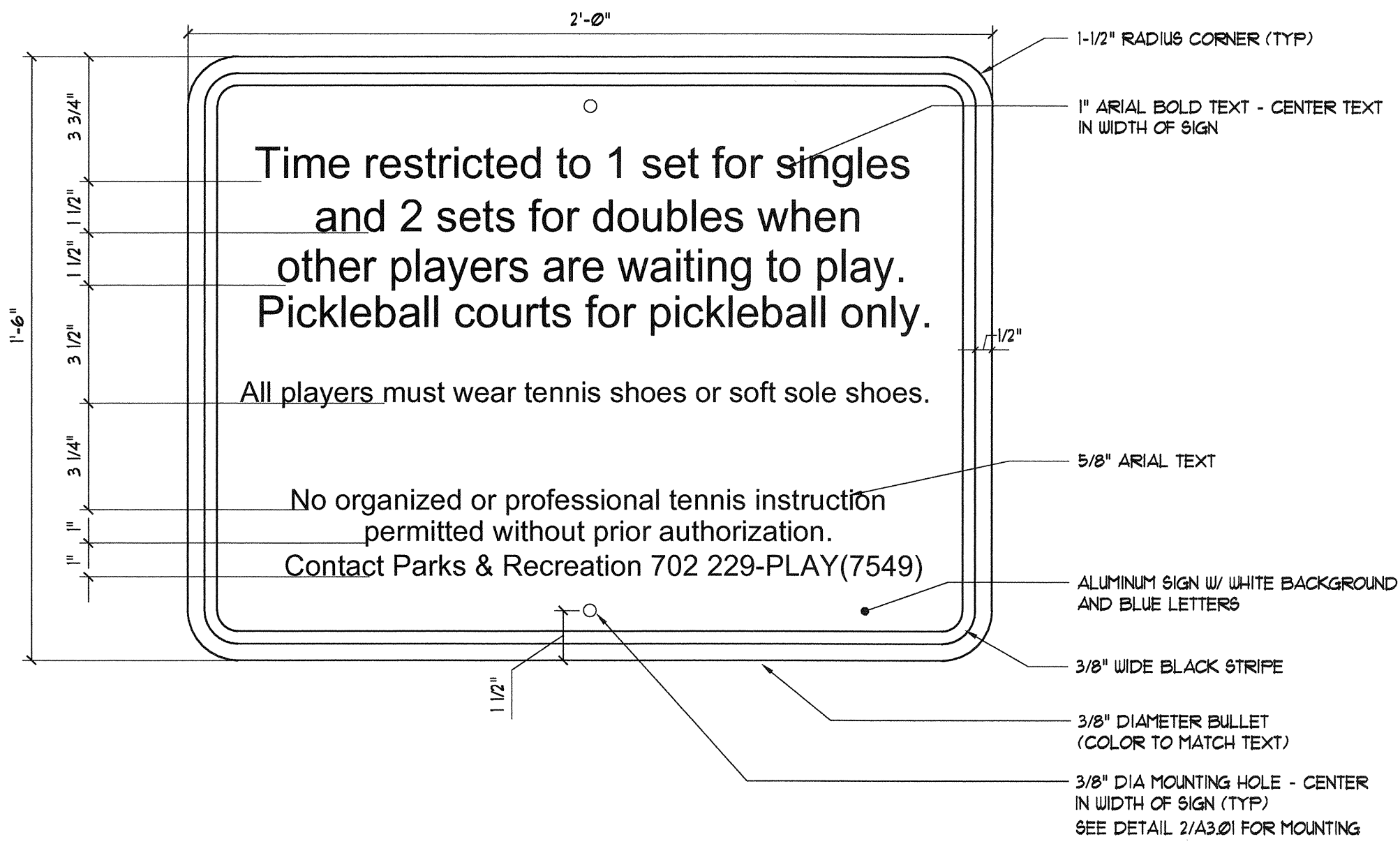
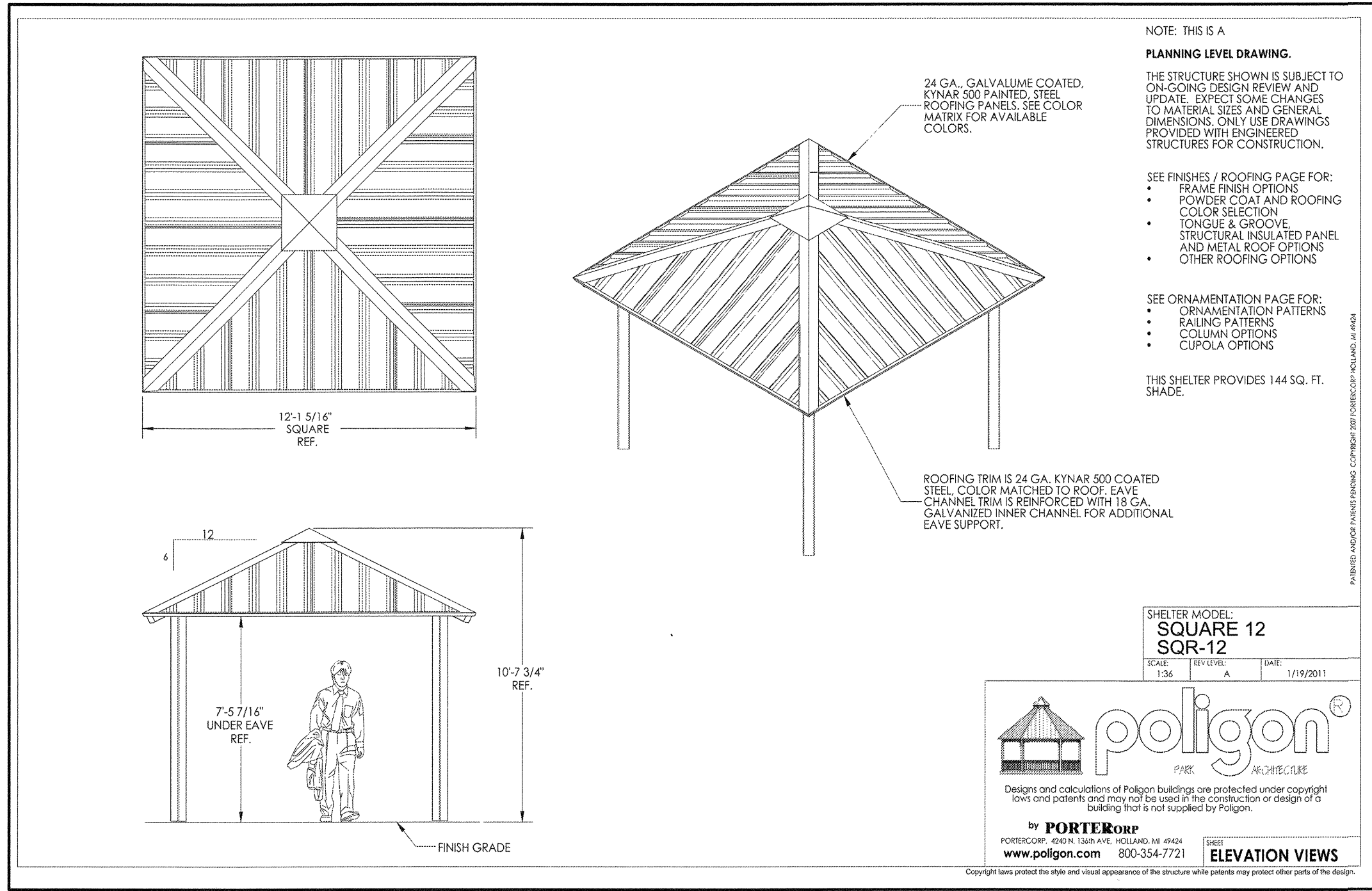
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

333 North Rancho Drive
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 384-6846
TDD: (702) 384-9108

DRAWN	phb
FILE	
DATE	June 2017
SCALE	Noted
BID NO	1605764.DC
CLV DWG NO	65066-4
HANSEN #	65764
SHT NO	

A2.00

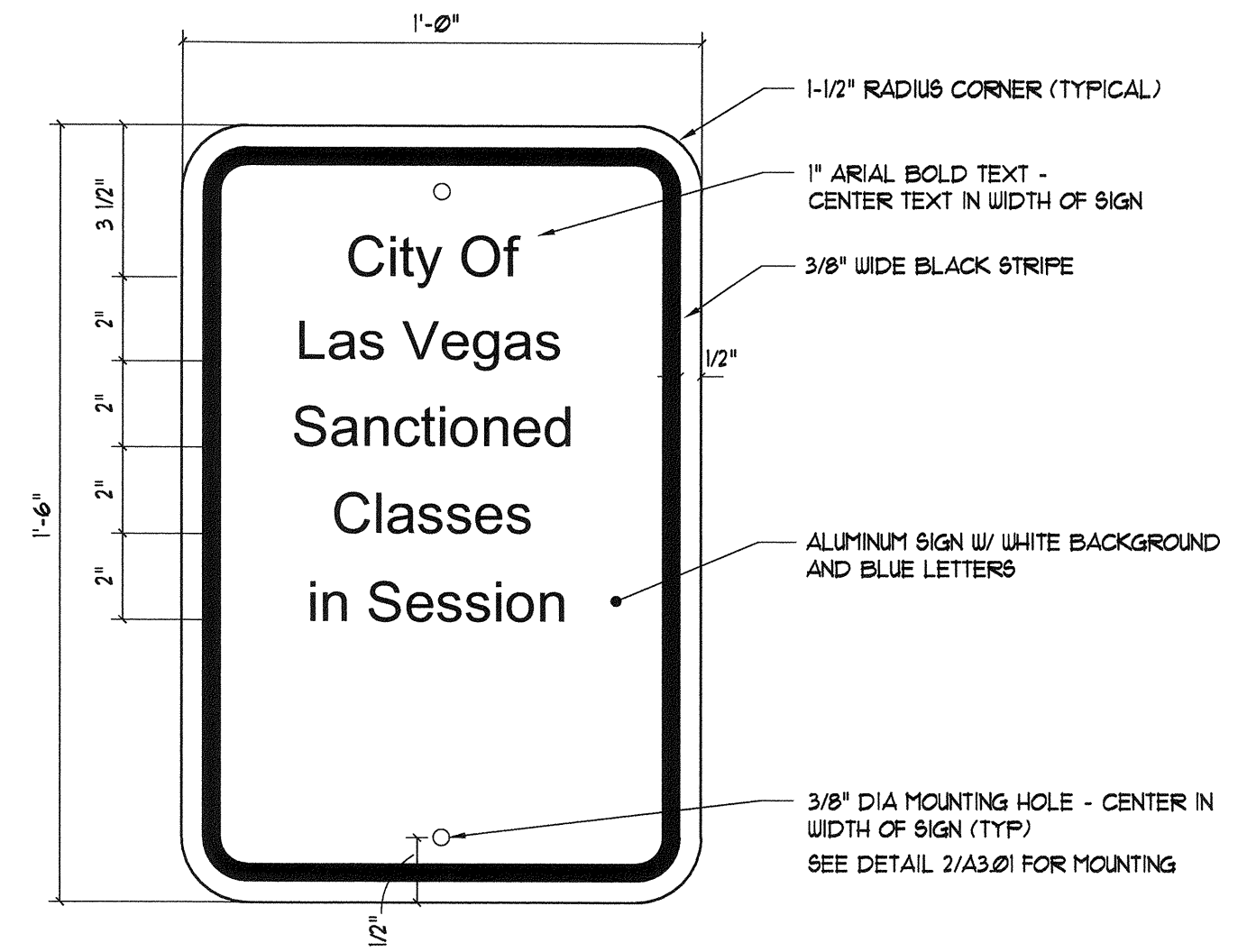




3 Pickleball Rules Sign

Scale: 3" = 1'-0"

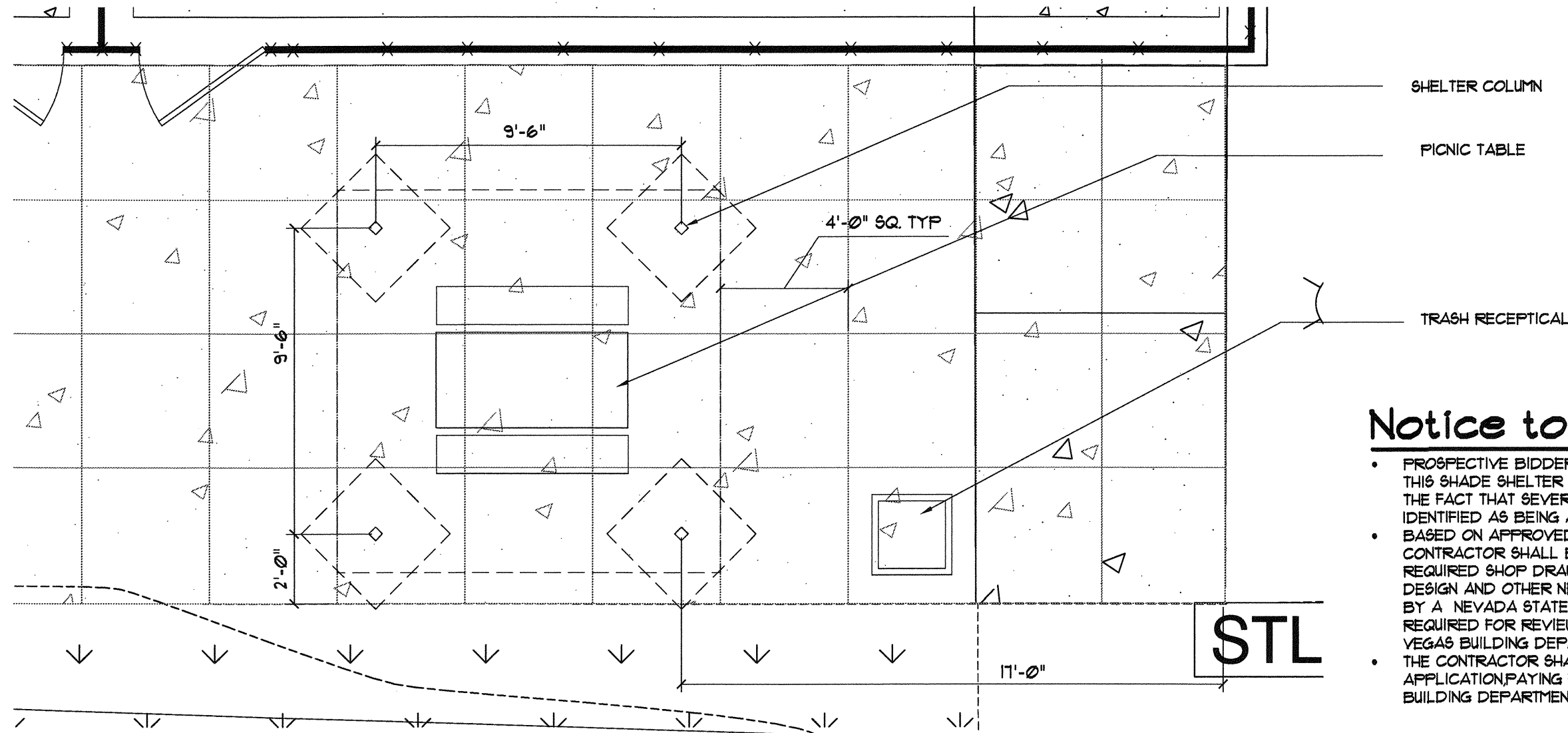
10-02



1 Pickleball Class Sign

Scale: 3" = 1'-0"

10-01



Notice to Bidders

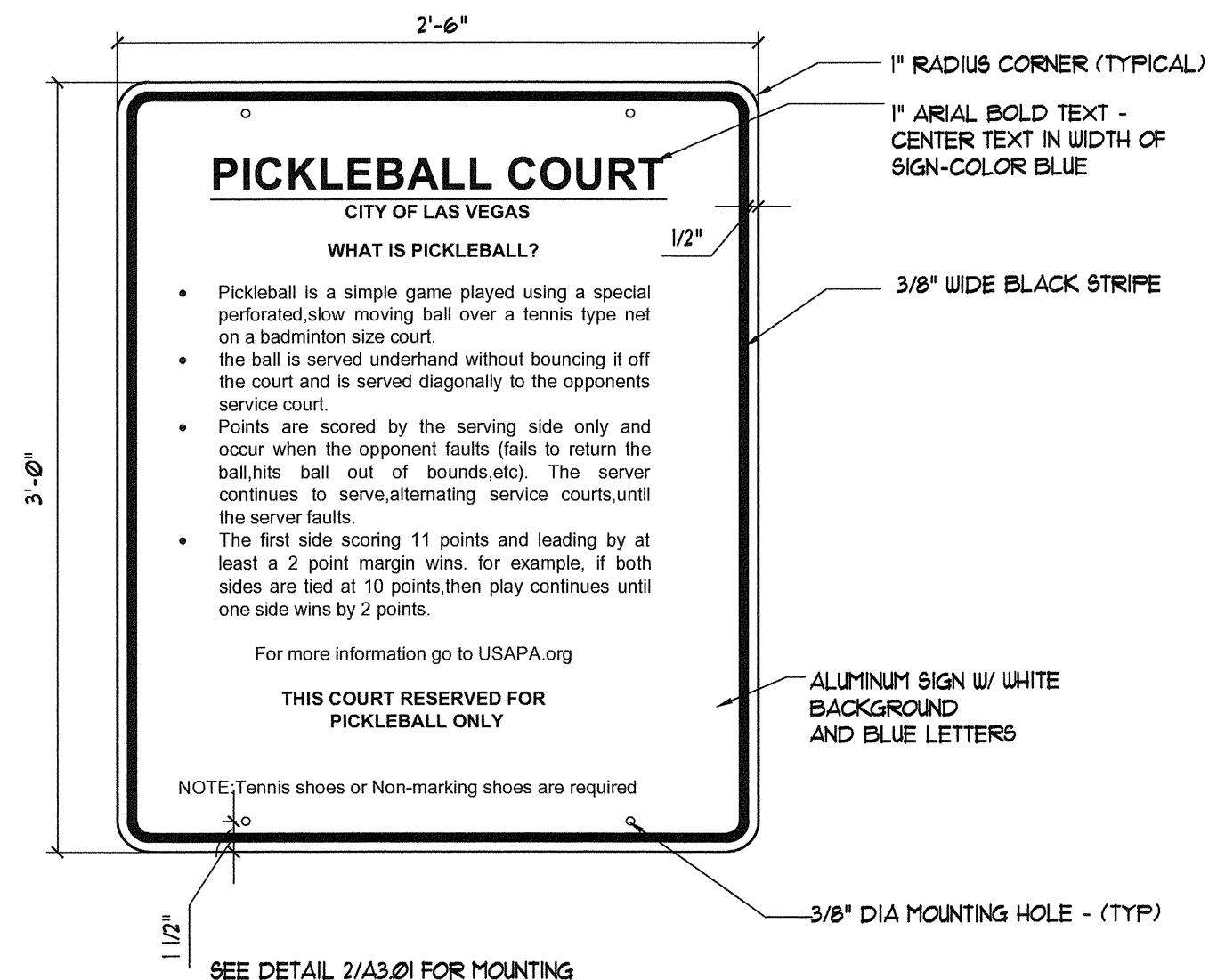
DEFERRED SUBMITTAL

- PROSPECTIVE BIDDERS SHALL NOTE THAT THE PLANS FOR THIS SHADE SHELTER HAVE NOT BEEN PLAN CHECKED DUE TO THE FACT THAT SEVERAL MANUFACTURERS HAVE BEEN IDENTIFIED AS BEING ACCEPTABLE FOR USE IN THE PROJECT.
- BASED ON APPROVED PRODUCT SUBMITTALS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED SHOP DRAWINGS, STRUCTURAL DETAILS, FOOTING DESIGN AND OTHER NECESSARY CALCULATIONS PREPARED BY A NEVADA STATE LICENSED ENGINEER THAT ARE REQUIRED FOR REVIEW AND APPROVAL OF THE CITY OF LAS VEGAS BUILDING DEPARTMENT (DEFERRED SUBMITTAL).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING APPLICATIONS FOR AND SECURING ALL REQUIRED BUILDING DEPARTMENT PERMITS.

ADDITIVE ALTERNATE #1 - 12' X 12' SHELTER STRUCTURE IT ITS ENTIRETY, INCLUDING FEES AND PERMITS. SLAB AND SITE FURNISHINGS TO BE PART OF BASE BID.

5 12' X 12' Square Shelter Elevations and Plan

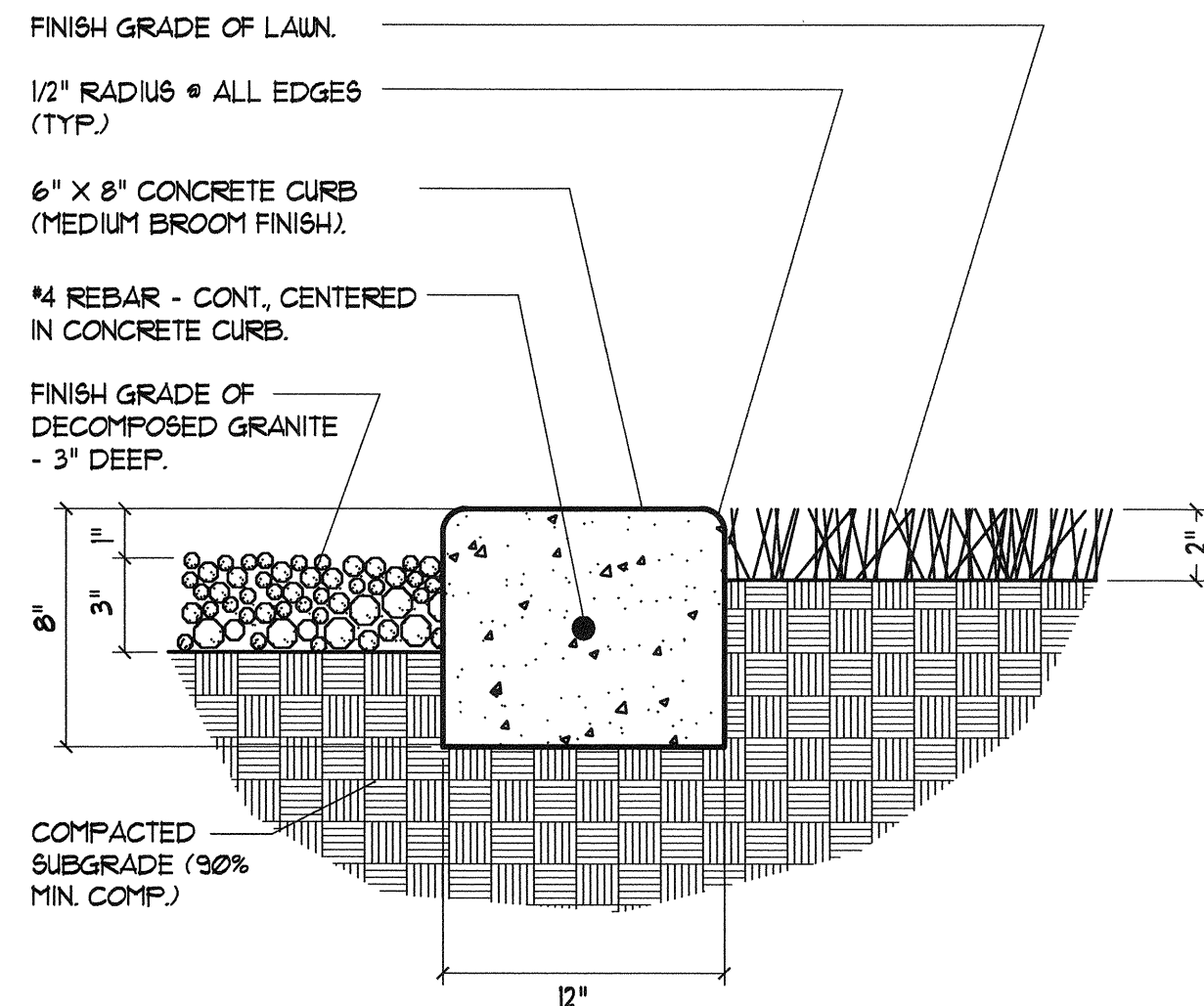
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6 Pickleball Court Sign

Scale: 1 1/2" = 1'-0"

10-03

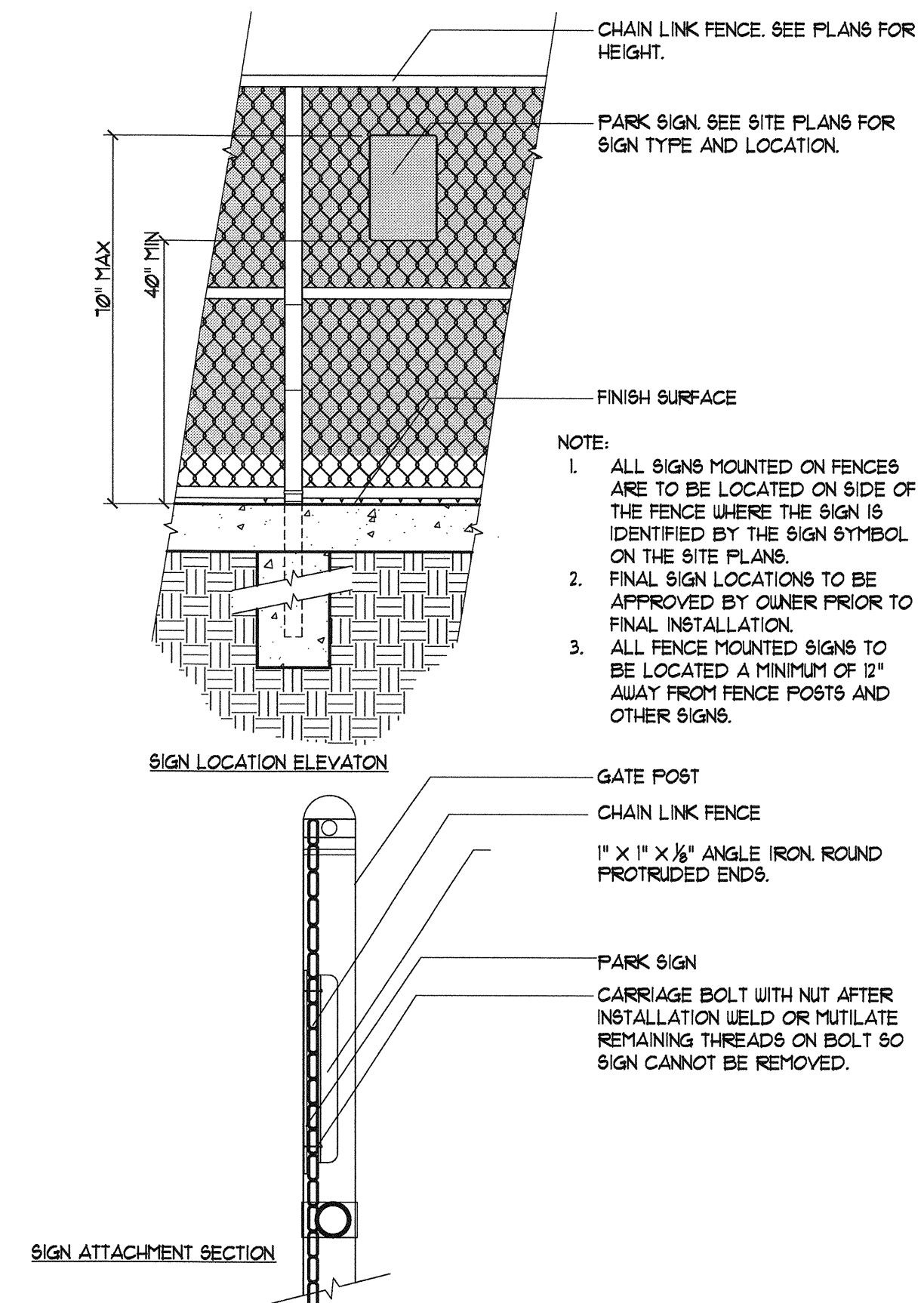


NOTE: REF. SPECIFICATIONS FOR CONCRETE P.S.I. (TYP.)

4 Concrete Curb

Scale: 3" = 1'-0"

A3-02



2 Fence Sign Installation

Scale: 1/2" = 1'-0"

6-1-03



REVISIONS

CONSULTANT

FOR REFERENCE ONLY

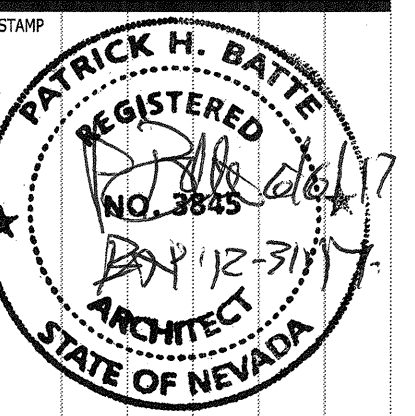
Durango Hills Pickleball Courts

3521 N Durango Drive

Las Vegas, Nevada 89129

Signage Details

Shelter Plan & Elevations



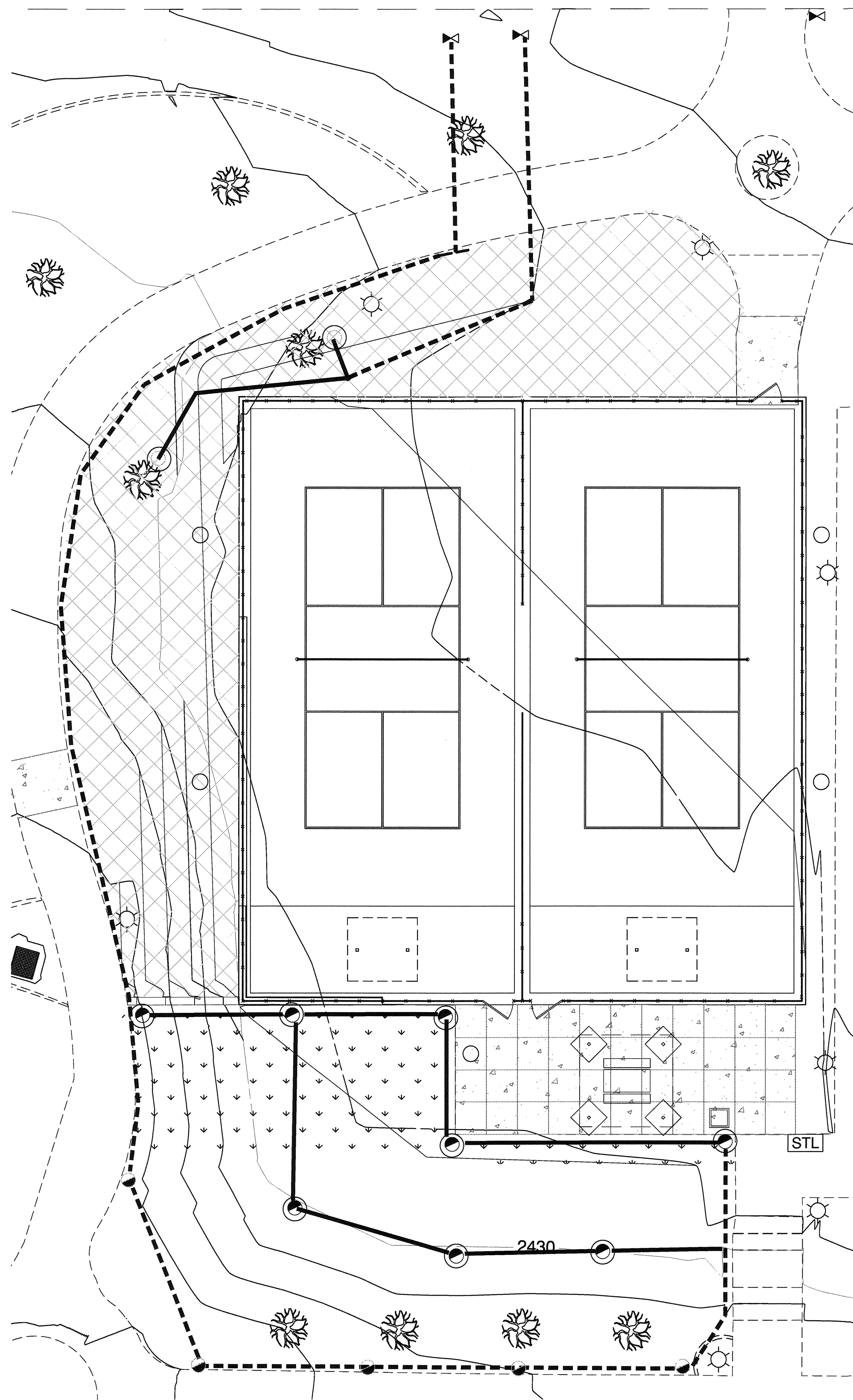
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

333 North Rancho Drive
LAS VEGAS, NEVADA 89106
PHONE: (702) 229-6535
FAX: (702) 388-6546
TDD: (702) 388-9108

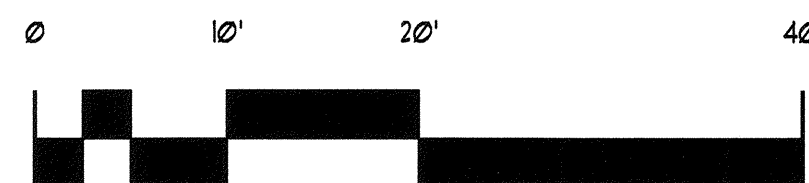
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FILE	
DATE	June 2011
SCALE	Noted
BID NO	16.65164.DC
CLV DWG NO	65066-4
HANSEN #	65764
SHT NO	

A3.01

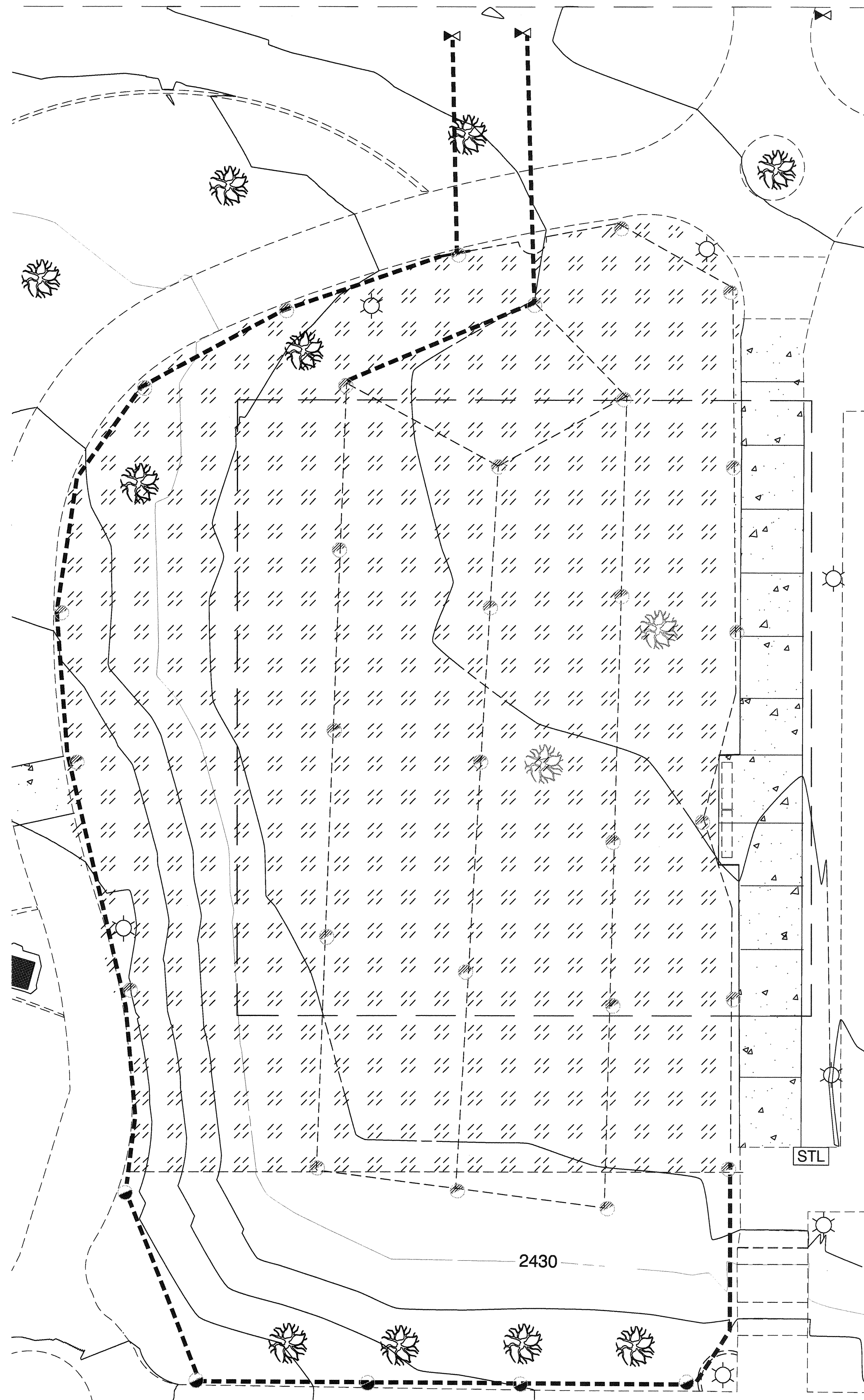
FOR REFERENCE ONLY



2 New Irrigation Plan
Scale: 1" = 10'-0"



SCALE: 1" = 10'-0"



1 Irrigation Demolition Plan
Scale: 1" = 10'-0"



SCALE: 1" = 10'-0"



Planting Notes:

- Contractor shall be responsible for all permits, coordination, scheduling, utility verification and damage to other trades and/or utilities, as per contract general conditions.
- Contractor shall verify all site conditions and report any and all discrepancy to the Construction Project Representative prior to starting construction.
- Contractor shall verify locations of existing underground utilities prior to start of construction. Call before you Dig 1-800-221-2600.
- Contractor shall limit work areas to that shown on the drawings.
- Contractor shall perform finish grading modifications to areas requiring grading, or as directed by the Construction Project Representative. Grade areas smooth to minimize irregularities and low spots.
- Removal of all plant material in planting areas shall be approved by the Construction Project Representative prior to installation. Coordinate these areas with irrigation layout.
- Plant locations shown are for information only. CONTRACTOR IS RESPONSIBLE TO VERIFY.
- See details and specifications for decomposed granite procedures.

General Notes: Refer to details on sheet A/4.01

DRIP EMITTERS

Bowsmith drip pressure compensation 1 or 2 GPH. Install Emitters On The Uphill Side Of The Rootball At Slope Locations. Equally Space The Required Number Of Emitters Around The Perimeter Of The Plant. (At Edge Of Rootball) Shown for information if damaged during construction. Drip line shall be Netafim.

DRIP END BALL VALVE

Flush Laterals And Install Drip End Ball Valves At Approximate Locations Shown On Drawings Per Detail.

DRIP LATERAL PIPE

Schedule 40 PVC Pipe. Pipe Locations Shown On Drawings Are Diagrammatical. Pipe Installation Routes And Sizes Are At The Discretion Of The Contractor. Size PVC Pipe Adequately, Keeping Friction Loss To A Minimum. This Will Allow Drip Emitters To Operate Within Their Pressure Operating Range. Recommended PVC Pipe Sizes Are 3/4" And 1"

DRIP LATERAL HOSE

IPS Excalibur PVC Hose Or Approved Equal. Install PVC Hose W/195 IB5 Cement To Drip Lateral Pipe At Plant Locations Shown On Drawings Per Detail. (Drip Lateral Hose Not To Exceed Maximum Length Of 48')

GEAR ROTAR HEADS

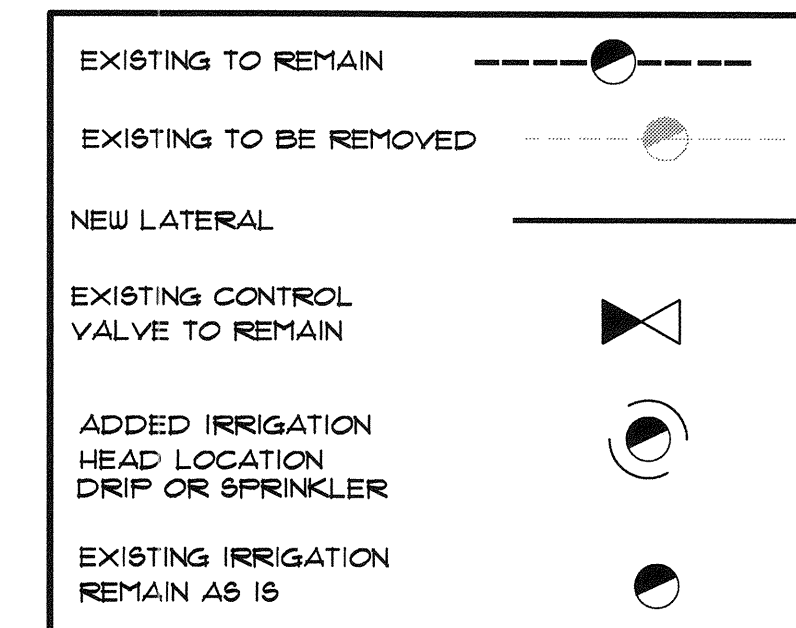
Rain Bird 5502, 1005, and 8005 gear driven rotors with integral rubber cover and Rain Curtain nozzles or Hunter 1-20's and 1-25's gear driven rotors with integral rubber cover and color coded nozzles. Head installed plumb with swing joints.

CONTROL WIRE

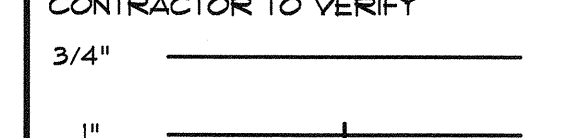
UF-UL 14 Gauge Direct Burial Wire. Follow Mainline Piping Where Possible. Wire Color Shall Be Continuous Over Entire Length. All Splicing Of Wire Shall Occur Within The Valve Box At Valve Locations Using Snap-Tite Wire Connectors. Intermediate Splicing Of Wire Is Not Allowed. Use White For Common Ground Wire. Use Easily Distinguished Colors For Control Wire. Install One (1) Spare (Extra) Wire Looped Through Each Valve Location For Future Use. Spare Wire Shall Be Different From That Of Active Wires

- Contractor shall verify the location of all underground utilities prior to start of construction. Call before you Dig 1-800-221-2600.
- Contractor shall carefully study the drawings, examine the site, and shall be aware of all existing work and conditions that could possibly affect the irrigation work.
- Irrigation layout is diagrammatical. Follow drawings as close as possible, making no changes or alterations without prior approval.
- Mainline pipe shall be no less than 18" below finish grade. Drip lateral lines shall be no less than 12" below finish grade. Main and drip lateral lines shall be surrounded with a minimum of 4" of sand or rock free soil.
- Mainline pipe sizes shown on drawings. Drip lateral sizes are at the discretion of the Contractor.

LATERAL TYPE LEGEND



EXISTING LATERAL SIZING LEGEND



NOTE:
THE LATERAL SIZE BETWEEN TWO IDENTICAL TICK MARKS SHALL BE SIZED THE SAME. MINIMUM PIPE SIZE IS 3/4".

Underground Service Alert

Call: TOLL FREE
1-800
227-2600

TWO WORKING DAYS BEFORE YOU DIG

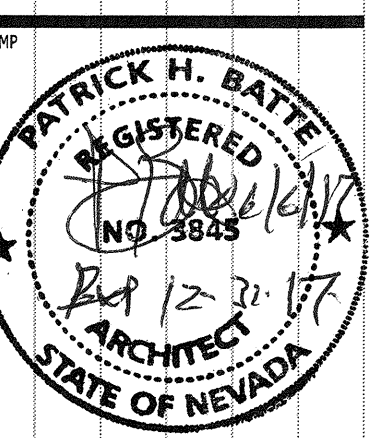
Ground Legend

- EXISTING BERMUDA TURF
- DECORATIVE ROCK COLOR AND 3/8" MINUS SIZE TO MATCH EXISTING. MINIMUM 3" DEPTH. REFER TO DETAIL 1/4.01
- NEW SODDED TURF - TRIFWAY T-419 OR TIF SPORTS.
- INDICATES AREA OF EXISTING TURF REMOVAL



REVISIONS	
CONSULTANT	

FOR REFERENCE ONLY
Durango Hills Pickleball Courts
3521 N. Durango Drive
Las Vegas, Nevada 89129
Landscape Irrigation Plan
Irrigation Demolition Plan



OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

333 North Rancho Drive
LAS VEGAS, NEVADA 89106
PHONE: (702) 229-6333
FAX: (702) 384-4846
TDD: (702) 386-9108

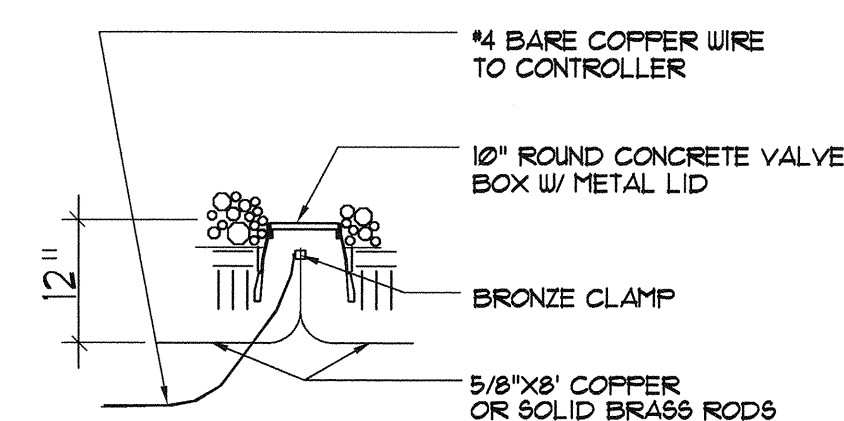
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FILE	
DATE	June 2011
SCALE	Noted
BID NO	1665764.DC
CLV DWG NO	65066-4
HANSEN #	56923
SHT NO	

A4.00

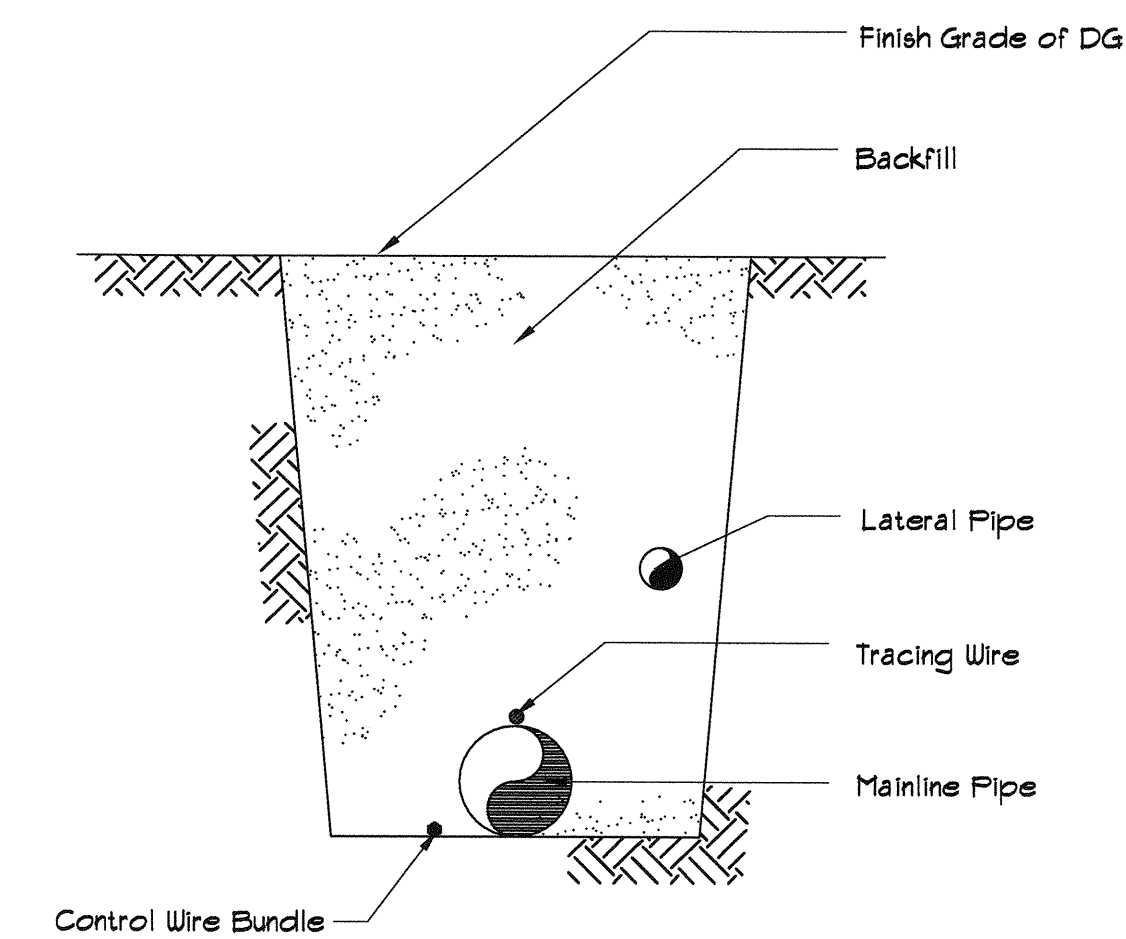
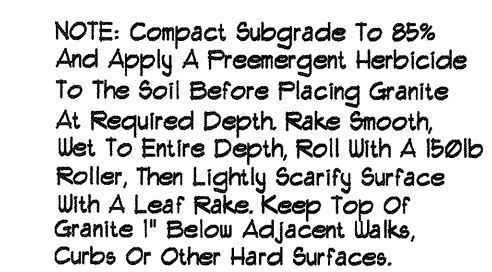
FOR REFERENCE ONLY



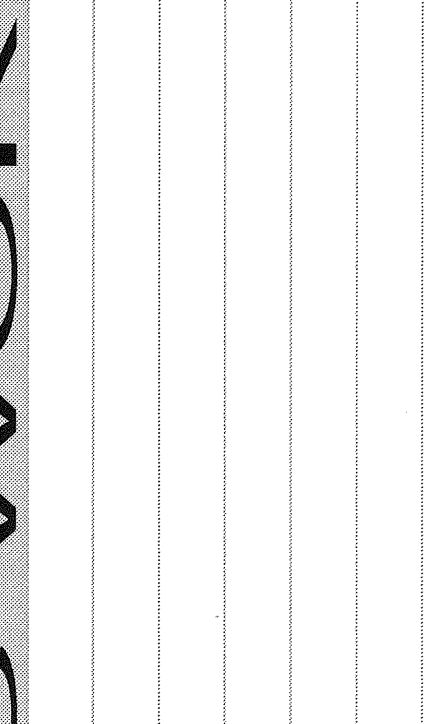
TREE SIZE / EMITTER QUANTITIES	
TREE SIZE	QUANTITY
24" BOX	10



Section



1. Refer to Irrigation Specifications for:
Coverage Depth to Buried Pipe and Wire
2. Refer to Irrigation Specifications for Thrust Block
Sizing on Mainline Piping 3" or Larger

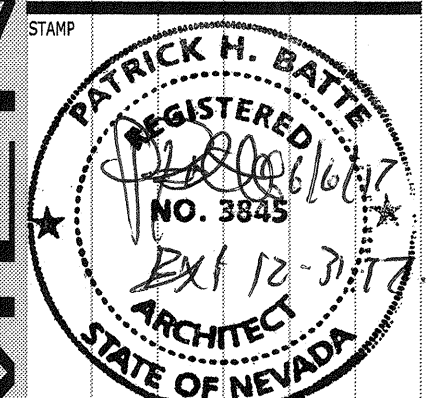


FOR REFERENCE ONLY

Durango Hills Pickleball Courts
3521 N. Durango Drive
Las Vegas, Nevada 89129

Irrigation Details

Notes



OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

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LAS VEGAS, NEVADA 89106
PHONE: (702) 229-6535
FAX: (702) 384-4846
TDD: (702) 386-9108

DRAWN	phb
FILE	
DATE	June 2011
SCALE	Noted
BID NO	16.65764.DC
CLV DWG NO	65066-4
HANSEN #	56923
SHT NO	

A4.01

FOR REFERENCE ONLY

SPECIAL INSPECTIONS

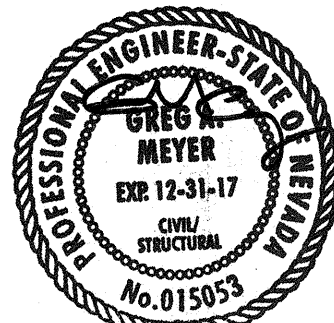
SPECIAL INSPECTIONS

SO.1

Building
City of Las Vegas

NMM 113 2017

Does Not Include Electrical, Architectural,
Plumbing/Mechanical or Off-Site
Improvements. Make No Change
Without Approval. Plan is
Not a Permit to Violate Any Ordinance



JUN 05 2007

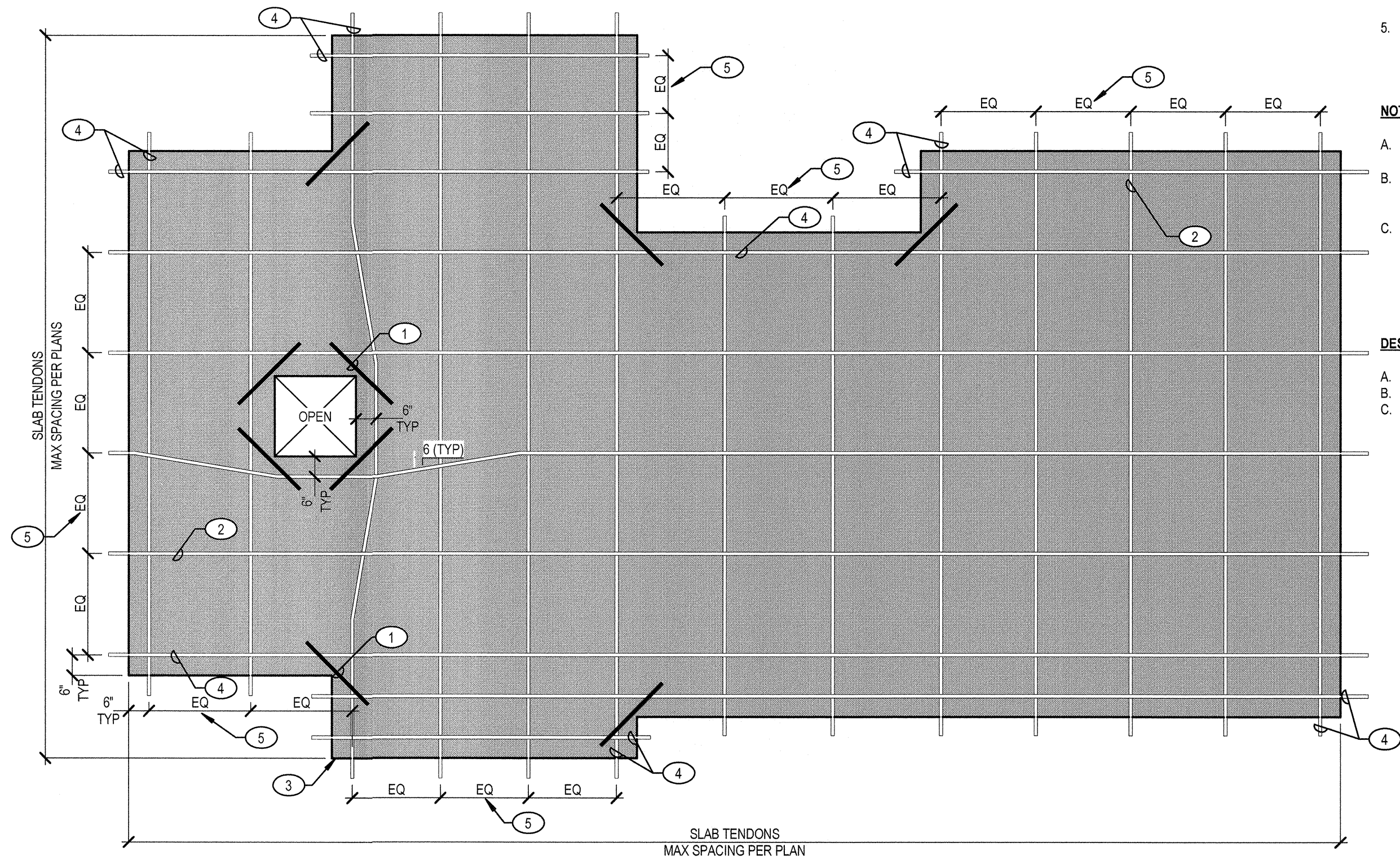


	ENGINEERING SYSTEM SOLUTIONS STRUCTURAL • MEP • BUILDING COMMISSIONING		www.esand.com BUILDING EXCEEDING EXPECTATIONS	
	1977 FURBER ROAD, STE. 401 ROSELAND, CA 95660 PHONE: (916) 780-2020		14623 S. RANCHO DRIVE LAS VEGAS, NV 89139 PHONE: (702) 616-5317	
JOE NUMBER: 201707		1461 NORTH 20TH AVE. DALLAS FALLS, TEXAS 75048 PHONE: (202) 552-9474		THESE PLANS, DRAWINGS AND DESIGN ARE THE EXCLUSIVE PROPERTY OF ENGINEERING SYSTEM SOLUTIONS AND SHALL NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN CONSENT. ALL RIGHTS ARE RESERVED. NOT BE LOANED, REPRODUCED, COPIED, OR OTHERWISE USED.

S1.1

A circular professional engineer seal for Greg A. Meyer. The outer ring contains the text "PROFESSIONAL ENGINEER-STATE OF NEVADA". The inner circle features a scale of justice at the top, followed by the name "GREG A. MEYER", the expiration date "EXP. 12-31-17", the specialty "CIVIL/STRUCTURAL", and the license number "No. 015053".

W. O. S. P. 2002



1
S2.2
TYPICAL POST TENSION SLAB-ON-GRADE CONSTRUCTION
NO SCALE

KEYNOTES:

1. #4x8" BAR CENTERED IN SLAB AT EA CORNER OF OPENING OR AT REENTRANT CORNER, TYP
2. TENDONS AT MAX SPACING PER PLAN, TYP
3. CONC SLAB PER PLAN. SEE PLAN FOR ACTUAL LAYOUT
4. EDGE TENDON AS OCCURS. EDGE TENDONS SHALL BE PLACED 6" FROM ALL SLAB EDGES, TYP
5. ALL TENDONS BETWEEN EDGE TENDONS SHALL BE EQUALLY SPACED BETWEEN EDGE TENDONS WITHOUT EXCEEDING THE MAX SPACING INDICATED ON THE PLANS

NOTES:

- A. ALL TENDONS 120 FT OR SHORTER ARE STRESSED FROM ONE END ONLY
- B. *TAKEN FROM PTI CONSTRUCTION AND MAINTENANCE MANUAL FOR POST-TENSIONED SLAB-ON-GRADE FOUNDATIONS TABLE 16.1
- C. ** IT IS RECOMMENDED THAT TENDONS OVER 120 FT LONG BE STRESSED FROM BOTH ENDS. THE PROCEDURE IS TO STRESS BOTH ENDS TO FULL STRESSING FORCE. THE ELONGATION AT EACH END IS ADDED TOGETHER TO GET THE TOTAL ELONGATION

DESIGN CRITERIA:

- A. STRAND: 1/2" DIA, 270 KSI, LOW RELAXATION
- B. MODULUS OF ELASTICITY (Es) = 29,000 KSI
- C. SEATING LOSS = 3/8" (NO POSITIVE SEATING)

POST-TENSIONED FOUNDATIONS

THE INFORMATION IN THIS SECTION APPLIES ONLY TO THE CONSTRUCTION OF POST-TENSIONED SLABS AND FOUNDATIONS ON GROUND. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR EMBEDDED HARDWARE, ANCHOR BOLTS, HOLDOWNS, POST BASES, AND OTHER SUCH ITEMS DESIGNED AND SPECIFIED BY OTHERS

DESIGN OF POST-TENSIONED SLABS ON GROUND (PTSG) HAS BEEN PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS PROVIDED BY THE POST-TENSIONING INSTITUTE (PTI) AS PUBLISHED IN THEIR 1996 SECOND EDITION OF "DESIGN AND CONSTRUCTION OF POST-TENSIONED SLABS ON GROUND". ACCORDINGLY, ALL PTSG FOUNDATIONS, AS SPECIFIED BY THESE CONSTRUCTION DOCUMENTS, SHALL FALL WITHIN THE LIMITATIONS AND SPECIFICATIONS AS CONTAINED IN THE ABOVE-REFERENCED DESIGN MANUAL. CONTRACTOR AND OWNER SHALL BE RESPONSIBLE TO ENSURE STRICT COMPLIANCE TO ALL PTI SPECIFICATIONS, TO BE PROVIDED IN CONJUNCTION WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT, FOR ALL SITE PREPARATIONS, CONSTRUCTION AND POST-CONSTRUCTION MAINTENANCE OF SLABS, FOUNDATIONS, AND SURROUNDING AREA.

SHOP DRAWINGS INDICATING QUANTITY AND PLACEMENT OF PT CABLES AND REBAR SHALL BE SUBMITTED AND REVIEWED BY EOR PRIOR TO CONSTRUCTION. SEE GSN FOR ADDITIONAL INFO.

TENDON PLACEMENT

PLACING OF TENDONS AND MILD REINFORCING SHALL BE AS FOLLOWS:

ALL TENDON INTERSECTIONS SHALL BE CENTERED IN CONCRETE SLAB DEPTH, UNLESS NOTED OTHERWISE.

INTERIOR TENDONS ARE TO BE PLACED AT THE APPROXIMATE LOCATION DIMENSIONED ON PLAN. TENDONS MAY BE MOVED LATERALLY 12 INCHES MAXIMUM FROM SPECIFIED PLAN LOCATIONS TO AVOID EMBEDS, BLOCK OUTS, ETC. THE MINIMUM RADIUS OF CURVATURE TO ACHIEVE A VERTICAL OR HORIZONTAL TRANSITION IN THE TENDON ALIGNMENT SHALL BE 10 FEET. TENDON LOCATIONS NOT SHOWN ON PLAN SHALL BE PLACED AT APPROXIMATE EQUAL SPACES BETWEEN DIMENSIONED CONTROL POINTS.

SECURE ALL TENDONS AT EACH INTERSECTION AND/OR 4 FEET 6 INCHES ON CENTER MAXIMUM WITH THE APPROPRIATE TENDON SUPPORT. PLASTIC CHAIRS WHICH PROVIDE SADDLE OR SIDE CLIPS FOR THE TENDONS NEED ONLY BE TIED AT EVERY THIRD INTERSECTION. BLOCKS OR OTHER CHAIRS WHICH ALLOW THE TENDON TO MOVE LATERALLY SHALL BE TIED AT EACH INTERSECTION. TIE ALL TENDON INTERSECTIONS AT THE PERIMETER OF THE SLAB.

TENDON SUPPORTS PLACED ON SAND SHALL HAVE AN ADEQUATE BEARING SURFACE TO MAINTAIN POSITION DURING CONCRETE PLACEMENT.

PLACEMENT OF MILD REINFORCING SHALL BE COORDINATED WITH PLACEMENT OF POST-TENSIONING TENDONS. PROPER TENDON PLACEMENT MAINTAINS PRIORITY.

CONCRETE PLACEMENT

PLACEMENT OF CONCRETE SHALL BE AS FOLLOWS:

CONCRETE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT TENDON PLACEMENTS ARE NOT DISTURBED DURING CONCRETE PLACEMENT.

PROVIDE PROPER CONCRETE COVER AND CONSOLIDATION AROUND ANCHORAGES, BOTH DEAD AND STRESSING, PER DETAILS.

TENDON STRESSING

STRESSING OF TENDONS SHALL BE AS FOLLOWS:

ALL JACKS USED TO STRESS TENDONS SHALL BE RECENTLY (WITHIN 60 DAYS) CALIBRATED. EACH JACK SHALL BE ACCOMPANIED WITH A CERTIFIED CALIBRATION SHEET CORRELATING HYDRAULIC PRESSURE TO TENDON FORCE.

STRESSING OF TENDONS MAY PROCEED WHEN THE CONCRETE COMPRESSIVE STRENGTH REACHES 2000 POUNDS PER SQUARE INCH MINIMUM. IT IS RECOMMENDED TO STRESS TENDONS AS EARLY AS POSSIBLE TO REDUCE POTENTIAL SHRINKAGE CRACKS. STRESS TENDONS BEFORE PLACING SECOND FLOOR OR ROOF SHEATHING. PARTIAL STRESSING (25 PERCENT OF TOTAL FORCE) THE DAY AFTER CONCRETE PLACEMENT IS RECOMMENDED FOR ALL TENDONS. SINCE THE SLAB DOES NOT HAVE THE STRENGTH TO SUPPORT HEAVY LOADS PRIOR TO FULL TENDON STRESSING, THE CONTRACTOR SHALL EXERCISE CARE TO ENSURE THAT THE SLABS ARE NOT OVERLOADED PRIOR TO FULLY STRESSING TENDONS.

TENDONS SHALL BE CLEARLY MARKED SO THAT ELONGATIONS CAN BE MEASURED AND RECORDED.

TOTAL MAXIMUM JACKING FORCE SHALL NOT EXCEED 33,000 POUNDS. TENDON STRESSING OPERATOR SHALL MAINTAIN RIGID CONTROL OF PRESSURE READINGS.

ALL TENDON STRESSING OPERATIONS SHALL BE SUPERVISED BY PERSONS PROPERLY TRAINED AND EXPERIENCED IN POST-TENSIONING OPERATIONS. IT IS RECOMMENDED THAT OPERATORS DO NOT STAND BEHIND THE HYDRAULIC JACK DURING STRESSING.

CONTROL JOINTS

POST-TENSIONED CONCRETE SLABS ON GROUND SHALL NOT HAVE CONTROL JOINTS UNLESS SPECIFICALLY NOTED ON PLANS, OR PER THE FOLLOWING EXCEPTION:

TOOLED CONTROL JOINTS AT GARAGE FLOORS MAY BE INSTALLED AT THE CONTRACTOR'S OPTION PROVIDED THAT THE SLAB THICKNESS, AS SPECIFIED PER PLAN, IS MEASURED FROM THE BOTTOM OF THE TOOLED CONTROL JOINT. TENDON PLACEMENT SHALL BE AS SPECIFIED PER PLAN OR DETAILS WITHIN THIS SLAB THICKNESS.

PRESTRESSING STEEL

PRESTRESSING STEEL SHALL CONFORM WITH ASTM A416, GRADE 270, SEVEN-WIRE LOW RELAXATION WITH THE FOLLOWING MINIMUM PROPERTIES:

ULTIMATE TENSILE STRENGTH = 41.3 KIPS

CROSS-SECTIONAL AREA = 0.153 SQUARE INCHES

MODULUS OF ELASTICITY = 27,000 KIPS PER SQUARE INCH

EFFECTIVE FORCE = 27 KIPS

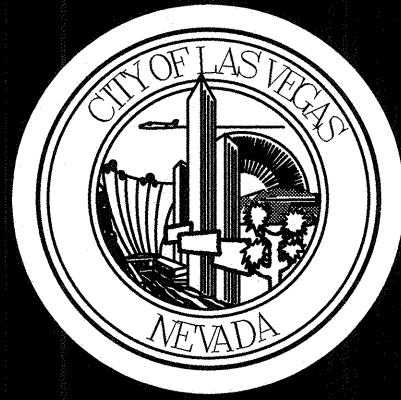
TRANSFER FORCE = 28.9 KIPS

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

MMW
Does not include electrical, mechanical, plumbing, mechanical, or civil. All improvements, including any changes, must be approved by the City of Las Vegas. Not a Permit to Violate Any Ordinances.



JUN 0 5 2017



REVISIONS

NO.	DESCRIPTION	DATE

CONSULTANT	ENGINEERING SYSTEM SOLUTIONS
STRUCTURAL - MEP - BUILDING COMMISSIONING	
BUILDING RELATIONS	
EXCEEDING EXPECTATIONS	
JOB NUMBER	STR 17.2027
PROJECT ADDRESS	3521 N. DURANGO DRIVE, LAS VEGAS, NV 89106
PHONE	(702) 686-5805
FAX	(702) 686-5804
EMAIL	info@esolutions.com
WEBSITE	www.esolutions.com
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Durango Hills Pickleball Courts
3521 N. Durango Drive
Las Vegas, Nevada 89129
TYPICAL DETAILS

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

DEVELOPMENT SERVICES CENTER
333 N. RANCHO DRIVE
LAS VEGAS, NEVADA 89106
PHONE: (702) 229-6276
FAX: (702) 384-4846

DRAWN	JK
FILE	17.2027
DATE	6/1/2017
SCALE	N/A
BID NO	16.65764. DC
CLV DWG NO	650.66-4
	65764
SHT NO	

S2.2

[illegible]

Durango Hills Pickleball Courts
3521 N. Durango Drive
Las Vegas, Nevada 89129
FOUNDATION DETAILS

STAMP					
-------	--	--	--	--	--

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

DEVELOPMENT SERVICES CENTER
333 N. RANCHO DRIVE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6200
FAX: (702) 384-4800

DRAWN	JK		
FILE	17.2027		
DATE	6/1/2017		
SCALE	N/A		
BID NO	16.65764. DC		
CLV DWG NO	650.66-4		
	65764		
SHT NO			

S3.1

R
=====
S

LEGEND: (NOT ALL SYMBOLS ARE USED)

EXT	DEMO	NEW	DEFINITION
			PANELBOARD SURFACE MOUNTED
			PANELBOARD FLUSH MOUNTED
			SWITCHBOARD
			TERMINAL CABINET
			TRANSFORMER
			PULLBOX
			MOTOR STARTER
			COMBINATION MOTOR STARTER
			COMBINATION MOTOR STARTER VENDOR FURNISHED
			DISCONNECT SWITCH "F" INDICATES FUSIBLE
			DISCONNECT SWITCH VENDOR FURNISHED
			CONTACTOR
			CONTACTOR VENDOR FURNISHED
			TELEPHONE TERMINAL BOARD 4 X 8 X 3/4" FIRE TREATED PLYWOOD
			TELEPHONE TERMINAL CABINET
			FLUORESCENT FIXTURE - LETTER DENOTES TYPE (LOWER CASE LETTER DENOTES SWITCHING), NUMBER DENOTES CIRCUIT
			WALL MOUNTED FIXTURE (FLUORESCENT SHOWN) - LETTER DENOTES TYPE
			HID OR INCANDESCENT FIXTURE - LETTER DENOTES TYPE
			FLUORESCENT STRIP FIXTURE - LETTER DENOTES TYPE
			TRACK LIGHTING - LETTER DENOTES TYPE
			EMERGENCY LIGHTING UNIT - LETTER DENOTES TYPE
			EXIT FIXTURE - SHADED AREA DENOTES LIGHTED FACE, ARROWS DENOTE DIRECTION - LETTER DENOTES TYPE
			EMERGENCY OR NIGHT LIGHT CONNECTED FIXTURE (FLUORESCENT SHOWN) - LETTER DENOTES TYPE
			POLE MOUNTED AREA LIGHT - LETTER DENOTES TYPE
			SPORTS FIELD POLE ASSEMBLY
			SINGLE RECEPTACLE 18" AFF UNLESS NOTED OTHERWISE
			DUPLEX RECEPTACLE 18" AFF UNLESS NOTED OTHERWISE
			FLOOR MOUNTED DUPLEX RECEPTACLE
			QUADRUPLEX RECEPTACLE 18" AFF UNO
			ISOLATED GROUND TYPE (ORANGE) DUPLEX RECEPTACLE AT 18" AFF UNO.
			ISOLATED GROUND TYPE (ORANGE) QUADRUPLEX RECEPTACLE AT 18" AFF UNO.
			COUNTER HEIGHT RECEPTACLE (VERIFY HEIGHT)
			GFI DUPLEX RECEPTACLE 18" AFF UNLESS NOTED OTHERWISE
			SWITCHED DUPLEX RECEPTACLE 18" AFF UNLESS NOTED OTHERWISE
			ELECTRIC SHEET NOTE DESIGNATION
			MECHANICAL EQUIPMENT CROSS REFERENCE
			SPECIAL PURPOSE RECEPTACLE - NUMBER REFERS TO RECEPTACLE SCHEDULE
			CLOCK OUTLET
			MULTIOUTLET ASSEMBLY - ARROW HEADS INDICATE EXTENT, NUMBERS INDICATE SPACING IN INCHES
			SINGLE POLE SWITCH 48" AFF UNO
			THREE WAY SWITCH 48" AFF UNO
			FOUR WAY SWITCH 48" AFF UNO
			KEY OPERATED SWITCH
			DIMMER OPERATED SWITCH
			SWITCH WITH PILOT LIGHT
			MOTION SENSING SWITCH
			CONTROL STATION
			TELEPHONE OUTLET 18" AFF UNO
			PAY TELEPHONE OUTLET 48" AFF UNO
			FLOOR MOUNTED TELEPHONE OUTLET
			COMPUTER OUTLET OR SPECIAL PURPOSE COMMUNICATIONS
			RADIO OUTLET
			PHOTOELECTRIC CELL
			TIME CLOCK
			BRANCH CIRCUIT CONSISTING OF 2#12 IN MINIMUM SIZE CONDUIT NOT INCLUDING GROUND WIRE
			HOME RUN TO PANELBOARD OR DEVICE - NUMBER OF ARROW HEADS INDICATES NUMBER OF CIRCUITS
			BRANCH CIRCUIT - SHORT SLASHES INDICATE NUMBER OF PHASE OR SWITCH LEGS, LONG SLASHES INDICATE NUMBER OF NEUTRALS, LONG SLASH W/ A DOT INDICATES A SEPARATE ISOLATED GROUND WIRE.
			CONDUIT IN SLAB OR UNDERGROUND

ABBREVIATIONS:

AFF	ABOVE FINISHED FLOOR	J-BX	JUNCTION BOX
AFG	ABOVE FINISHED GRADE	KVA	KILOVOLT AMPS
AL	ALUMINUM	KW	KILOWATT
BKR	BREAKER	LTG	LIGHTING
C	CONDUIT	NTS	NOT TO SCALE
CKT	CIRCUIT	PNL	PANEL
C.O.	CONDUIT ONLY	PWR	POWER
CU	COPPER	TYP	TYPICAL
DWG	DRAWING	UNO	UNLESS NOTED OTHERWISE
ELEC	ELECTRICAL	V	VOLTS
(E)	EXISTING	VA	VOLT AMPS
GFI	GROUND FAULT INTERRUPT	WP	WEATHER PROOF
GND	GROUND	XFMR	TRANSFORMER

GENERAL NOTES:

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOOK THROUGH ALL DRAWINGS ASSOCIATED WITH THIS PROJECT. WORK ASSOCIATED WITH THE ELECTRICAL CONTRACTOR'S TRADE MAY BE SHOWN ON OTHER DRAWINGS. ANY ADDITIONAL COST RESULTING FROM THE FAILURE TO INCLUDE THESE ITEMS SHOWN ON THE OTHER DRAWINGS WILL BE INCURRED BY CONTRACTOR.
- IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO ESTABLISH A STANDARD OF QUALITY. THE ENGINEER RESERVES THE RIGHT TO ALLOW OTHER METHODS AND MATERIALS NOT REFLECTED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE TO REQUEST THE ENGINEER WAIVE THE STANDARDS TO ALLOW ALTERNATE MEANS AND METHODS PRIOR TO BEGINNING THE PROJECT. CONTRACT DOCUMENT REVISIONS TO ACCOMMODATE INSTALLED CONDITIONS, WITHOUT PRIOR APPROVAL, WILL RESULT IN ADDITIONAL DESIGN CHARGES TO THE CONTRACTOR.
- ELECTRICAL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE NECA INSTALLATION STANDARDS TO THE SATISFACTION OF THE OWNER AND ENGINEER.
- ALL WORK, MATERIALS AND EQUIPMENT SHALL CONFORM TO THE CURRENTLY ADOPTED EDITION OF ALL APPLICABLE NATIONAL, STATE AND CITY CODES AND ORDINANCES.
- ALL ELECTRICAL SYSTEM COMPONENTS SHALL BE LISTED OR LABELED BY UL OR OTHER RECOGNIZED TESTING FACILITY AS ALLOWED BY AUTHORITY HAVING JURISDICTION.
- WHERE AN APPARENT DISCREPANCY EXISTS BETWEEN THE REQUIREMENTS OF THE GENERAL NOTES AND INFORMATION PORTRAYED IN THE ELECTRICAL DRAWINGS, THE CONTRACTOR SHALL INCLUDE IN THE BID THE COST OF THE GREATER QUALITY OR QUANTITY.
- CONTRACTOR SHALL VISIT JOB SITE PRIOR TO BID AND VERIFY EXISTING CONDITIONS.
- CONTRACTOR SHALL INCLUDE IN BASE BID ALL COSTS REQUIRED FOR PERMITS AND INSPECTIONS.
- CONTRACTOR SHALL VERIFY, WITH OWNER'S REPRESENTATIVE PRIOR TO SUBMITTING BID, ALLOWABLE WORKING HOURS, EMPLOYEE PARKING AREAS, MATERIAL DELIVERY, STORAGE REQUIREMENTS, DEMOLITION AND REMOVAL OF CONSTRUCTION DEBRIS, AS WELL AS DAILY CLEAN UP REQUIREMENTS. INCLUDE ALL COSTS IN BID FOR DUST BARRIERS, DUMPSTERS ETC. AS REQUIRED FOR THE DURATION OF THE PROJECT. PERFORM ALL WORK AS DIRECTED BY OWNER'S REPRESENTATIVE AND ARCHITECT.
- ALL ELECTRICAL SYSTEMS SHALL BE TESTED FOR PROPER OPERATION. IF TESTS SHOW THAT WORK IS DEFECTIVE, CONTRACTOR SHALL MAKE ALL NECESSARY CORRECTIONS AT NO ADDITIONAL COST TO OWNER.
- CONTRACTOR SHALL GUARANTEE ALL WORK AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP WHICH MAY OCCUR UNDER NORMAL USE FOR A PERIOD OF ONE YEAR AFTER OWNER'S ACCEPTANCE. ALL DEFECTS SHALL BE PROMPTLY CORRECTED BY CONTRACTOR WITHOUT ADDITIONAL COST TO OWNER.
- PROVIDE AS-BUILT DRAWINGS TO OWNER. DRAWINGS SHALL INCLUDE ACCURATE CONDUIT AND DEVICE LOCATIONS DIMENSIONED FROM PERMANENT LANDMARKS SUCH AS BUILDING WALLS OR EXISTING CONSTRUCTION NOTED.
- DO NOT SCALE ELECTRICAL DRAWINGS. VERIFY EXACT LOCATION OF ALL DEVICES, JUNCTION BOXES, LIGHTING FIXTURES, ETC. WITH CIVIL DRAWINGS PRIOR TO INSTALLATION. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO ROUGH-IN.
- THESE DRAWINGS INDICATE THE FINISHED REQUIREMENTS FOR THE ELECTRICAL SYSTEMS, EQUIPMENT, LIGHTING FIXTURES, OUTLETS AND DEVICES. DUE TO EXISTING SITE CONDITIONS, PIPING CONFLICTS, OR OTHER LEGITIMATE REASONS, THE CONTRACTOR MAY DESIRE TO INSTALL THE WORK INDICATED IN A MANNER DIFFERENT FROM THAT SHOWN. SUCH CHANGES SHALL BE PRESENTED TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO PROCEEDING. UPON APPROVAL, THE WORK SHALL BE PERFORMED AND THE AS-BUILT DRAWINGS SHALL BE REVISED TO ACCURATELY REFLECT THE WORK AS ACTUALLY INSTALLED.
- ANY VARIANCE OR EXCEPTIONS THE THE DRAWINGS AND SPECIFICATIONS MUST BE REQUESTED AND APPROVED IN WRITING BY THE ENGINEER. WHERE UNAUTHORIZED CHANGES ARE FOUND, THE CONTRACTOR SHALL REMOVE THE INSTALLED WORK AND INSTALL ITS AS SHOWN ON THE DRAWINGS AT NO ADDITIONAL COST THE THE OWNER. COST SHALL INCLUDE ANY CUTTING, PATCHING, REPAIR COST AS REQUIRED FOR CORRECTING THE DEFICIENCY.
- RACEWAY SYSTEMS ARE SHOWN DIAGRAMMATICALLY. ACTUAL LOCATION AND ROUTING OF ALL, SHALL BE DETERMINED BY CONTRACTOR TO SUIT FIELD CONDITIONS.
- RACEWAYS SHALL BE ROUTED OUT OF PUBLIC VIEW AS MUCH AS POSSIBLE.
- PROVIDE UL APPROVED EXPANSION FITTINGS AS REQUIRED PER NEC. PROVIDE ALL FITTINGS REQUIRED FOR A COMPLETE INSTALLATION.
- CONTRACTOR SHALL PROVIDE ALL RACEWAY SYSTEMS INDICATED ON THE DRAWING PER NEC REQUIREMENTS AND GENERAL NOTES. ANY DEVIATION FROM THE WIRING METHODS INDICATED SHALL BE ALLOWED ONLY BY SPECIFIC WRITTEN APPROVAL FROM EITHER THE ENGINEER OR OWNER. CONTRACTOR'S BID SHALL INCLUDE ALL COSTS FOR RACEWAY SYSTEMS AS SPECIFIED UNLESS SPECIFIC WRITTEN APPROVAL FOR AN ALTERNATIVE WIRING METHOD IS OBTAINED FROM EITHER THE ENGINEER OR OWNER AND IS SUBMITTED AS PART OF CONTRACTOR'S FORMAL BID PROPOSAL.
- PRIOR TO INSTALLATION, CONTRACTOR SHALL REVIEW THE COMPLETE SET OF CONSTRUCTION DOCUMENTS FOR CONFLICTS WITH OTHER TRADES. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL WORK WITH OTHER TRADES TO AVOID CONFLICT DURING INSTALLATION. CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS IN EQUIPMENT LOCATION AND ROUTING AS NECESSARY AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE TO PROPERLY CUT AND PATCH EXISTING CONSTRUCTION AS REQUIRED TO INSTALL NEW ELECTRICAL WORK. ALL PATCHING SHALL BE OF THE SAME MATERIALS, WORKMANSHIP AND FINISH AS THE EXISTING WORK AND SHALL ACCURATELY MATCH ALL SURROUNDING WORK TO THE SATISFACTION OF THE OWNER. THIS SHALL BE IN CONJUNCTION OF ALL TRENCHING AND BACKFILLING.
- ALL EQUIPMENT ELECTRICAL TERMINATIONS TO UNDERGO A TORQUE TEST. ELECTRICAL

CONTRACTOR IS RESPONSIBLE FOR MANUFACTURER'S RECOMMENDED TORQUE DOCUMENTATION AND TOOLS TO PERFORM TORQUE TEST.

FURNISH AND INSTALL A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.

THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND ENGINEER AS REQUIRED SHUT-DOWNS OR TIE-INS RELATING TO THESE SYSTEMS. REQUESTS FOR SHUTDOWNS SHALL BE SUBMITTED IN WRITING AT LEAST ONE WEEK IN ADVANCE FOR APPROVAL BY THE OWNER.

THE ELECTRICAL CONTRACTOR ASSUMES ALL RESPONSIBILITY AND LIABILITY FOR ANY "VALUE ENGINEERING" OF THE MATERIALS, SPECIFICATIONS AND DESIGN OF THIS PROJECT, INCLUDING ANY AND ALL COST FOR ANY REVISIONS TO THE CONTRACT DOCUMENTS REQUIRED AS A RESULT OF THE "VALUE ENGINEERING".

PROPOSED ALTERNATE LIGHT FIXTURES SHALL BE SUBMITTED WITH A PHOTOMETRIC STUDY SHOWING COMPLIANCE WITH ALL APPLICABLE LIGHTING CODES AND ORDINANCES.

ALL 120V AND 277V DEVICES SHALL HAVE A DEDICATED NEUTRAL.

SHEET INDEX

NUMBERS	TITLE	PERMIT
E0.01	GENERAL INFORMATION	●
E0.30	SITE PLAN	●
E0.31	ENLARGED SITE PLAN	●
E4.01	DETAILS	●
E5.01	ONLINE DIAGRAM	●

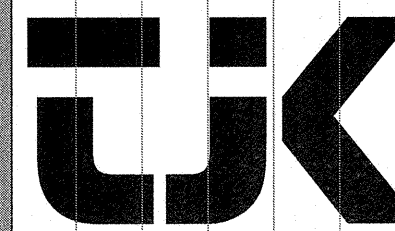
REVIEWED FOR CODE COMPLIANCE

JUN 14 2017 DM
CITY OF LAS VEGAS
BUILDING AND SAFETY



REVISIONS

CONSULTANT

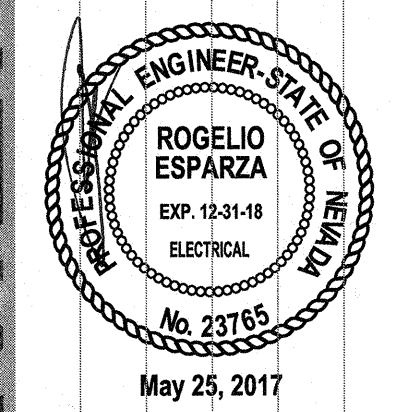


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www.tjkengineers.com
TJK # 17044

TJK # 17044

Durango Hills Pickleball Courts
3521 N. Durango Drive
Las Vegas, Nevada 89129
GENERAL INFORMATION

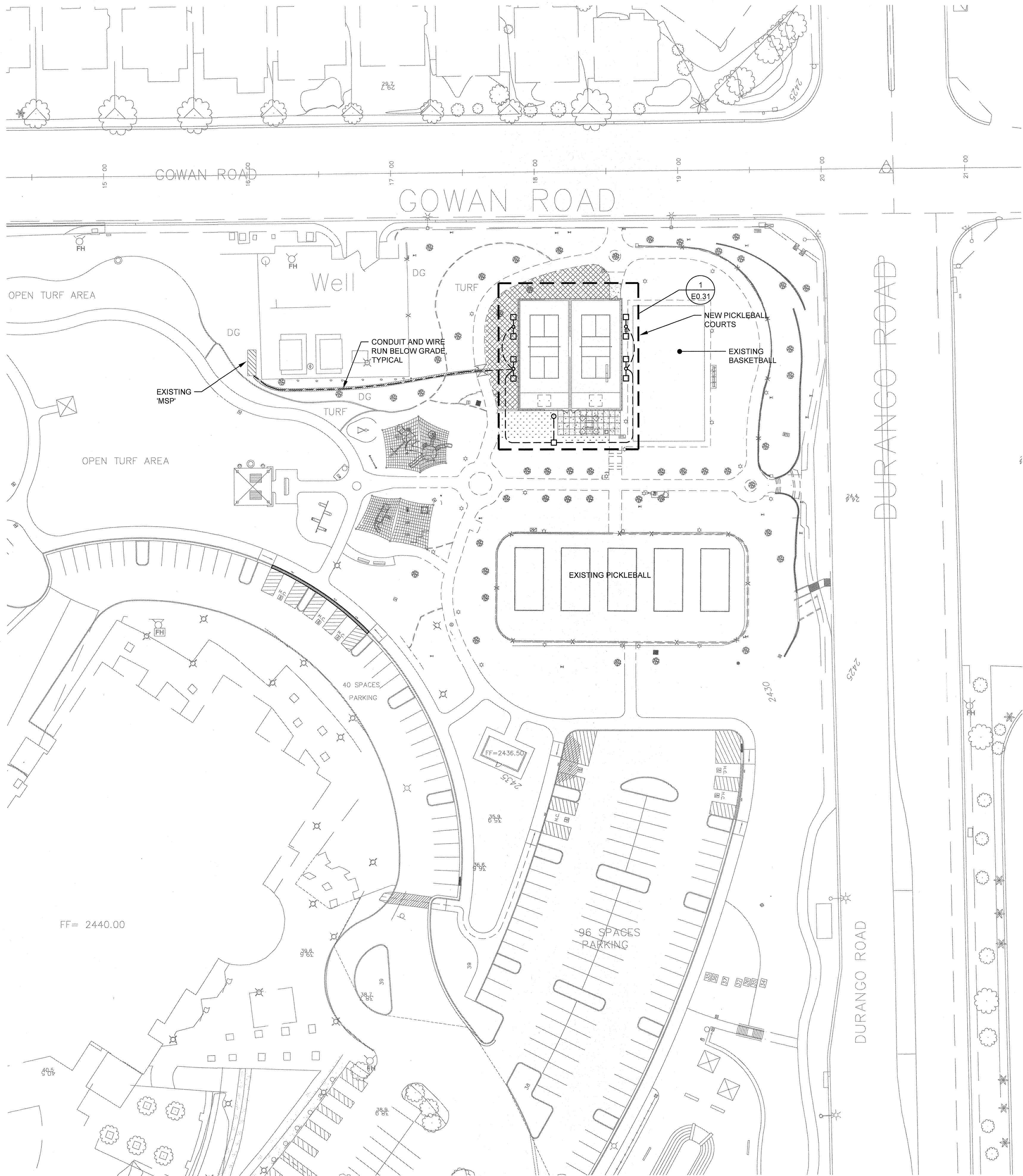
STAMP



OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

333 North Rancho Drive
Las Vegas, NV 89105
PHONE: (702) 229-6535
FAX: (702) 386-4846
TDD: (702) 386-9108

DRAWN	TJK
FILE	17044
DATE	05/25/2017
SCALE	AS NOTED
BID NO.	1665764.DC
CLV DWG NO.	65066.4
HANSEN #	65764
SHT NO.	E0.01



1 SITE PLAN
SCALE: 1" = 40'-0"

GENERAL NOTES:

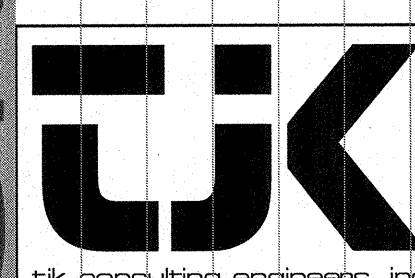
1. REFER TO ONELINE DIAGRAM SHEET E5.01 FOR FEEDER SIZES.
2. REFERENCE LANDSCAPE AND CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
3. ALL EXTERIOR LIGHTING SHALL BE CONTROLLED THRU PHOTOCELL/TIMECLOCK.
4. ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40, PVC RUN AT MINIMUM 30 INCHES BELOW FINISHED GRADE.
5. TRENCH, SAWCUT, BACKFILL AND REPAIR SIRE AS NEEDED. PATCH TO MATCH ADJACENT AREAS.
6. MAINTAIN OPERATION OF EXISTING IRRIGATION DURING CONSTRUCTION.



REVISIONS

NO.	DESCRIPTION

CONSULTANT

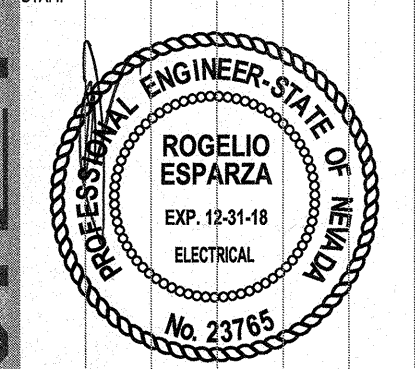


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TJK # 17044

Durango Hills Pickleball Courts
3521 N Durango Drive
Las Vegas, Nevada 89129
SITE PLAN

STAMP



May 25, 2017

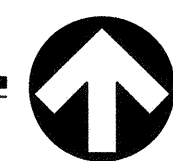
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

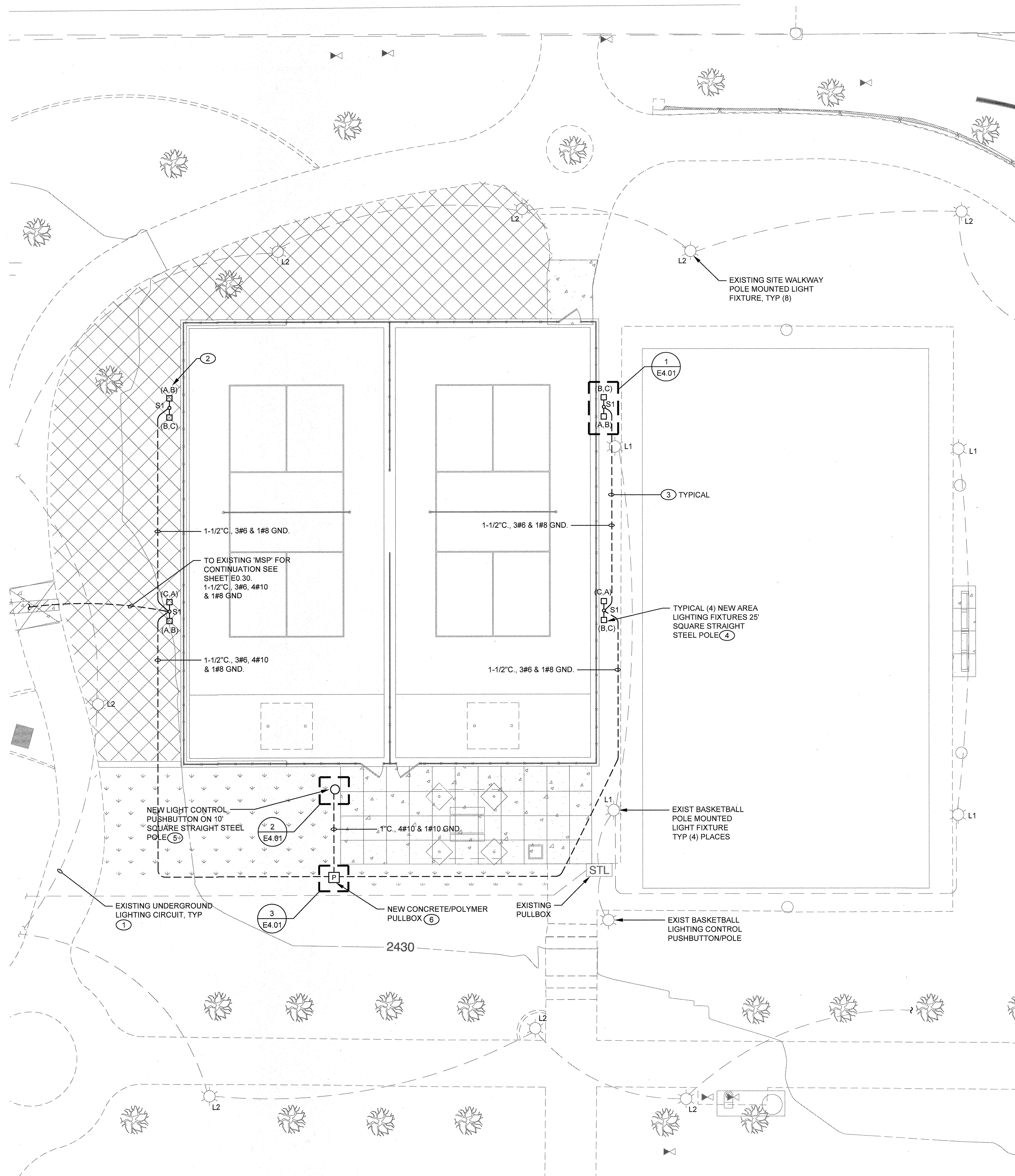
REVIEWED FOR CODE COMPLIANCE

JUN 14 2017 DM
CITY OF LAS VEGAS
BUILDING AND SAFETY

333 North Rancho Drive
LAS VEGAS, NEVADA 89108
PHONE: (702) 239-8535
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DRAWN	TJK
FILE	17044
DATE	06/25/2017
SCALE	AS NOTED
BID NO	1665764.DC
CLV DWG NO	65066.4
HANSEN #	65764
SHT NO	E0.30





1 ENLARGED SITE PLAN
SCALE: 1" = 10'-0"

GENERAL NOTES:

1. REFERENCE LANDSCAPE AND CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
2. ALL EXTERIOR LIGHTING SHALL BE CONTROLLED THRU PHOTOCELL/TIMECLOCK.
3. ALL UNDERGROUND CONDUIT SHALL BE RUN AT MINIMUM 30 INCHES BELOW FINISHED GRADE.
4. CONTRACTOR TO IDENTIFY ALL CONDUIT ROUTING WITH EXISTING CONDUITS PRIOR TO ROUGH-IN. ANY DAMAGE TO EXISTING CONDITIONS SHALL BE REPAIRED TO NEW.

KEY NOTES: #

1. EXIST UNDER GROUND CONDUIT ACTUAL LOCATION UNKNOWN. USE CARE WHEN ROUTING NEW CONDUITS.
2. LETTERS INDICATE PHASE CONNECTIONS OF LIGHT FIXTURE.
3. REFER TO DETAIL 5, TYPICAL TRENCH DETAIL ON SHEET E4.01.
4. INSTALL POLE BASE. SEE DETAIL 1/E4.01 FOR REQUIREMENTS. GROUND POLE BASE PER DETAIL 7/E4.01.
5. INSTALL POLE BASE. SEE DETAIL 2/E4.01 FOR REQUIREMENTS. GROUND POLE BASE PER DETAIL 7/E4.01.
6. INSTALL PER DETAIL 3/E4.01.

REVIEWED FOR CODE COMPLIANCE

JUN 14 2017 DM
CITY OF LAS VEGAS
BUILDING AND SAFETY



REVISIONS

NO.	DESCRIPTION

CONSULTANT

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tjk consulting engineers, inc.

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www.tjkenineers.com

TJK # 17044

Durango Hills Pickleball Courts
3521 N. Durango Drive
Las Vegas, Nevada 89129
ENLARGED SITE PLAN

STAMP

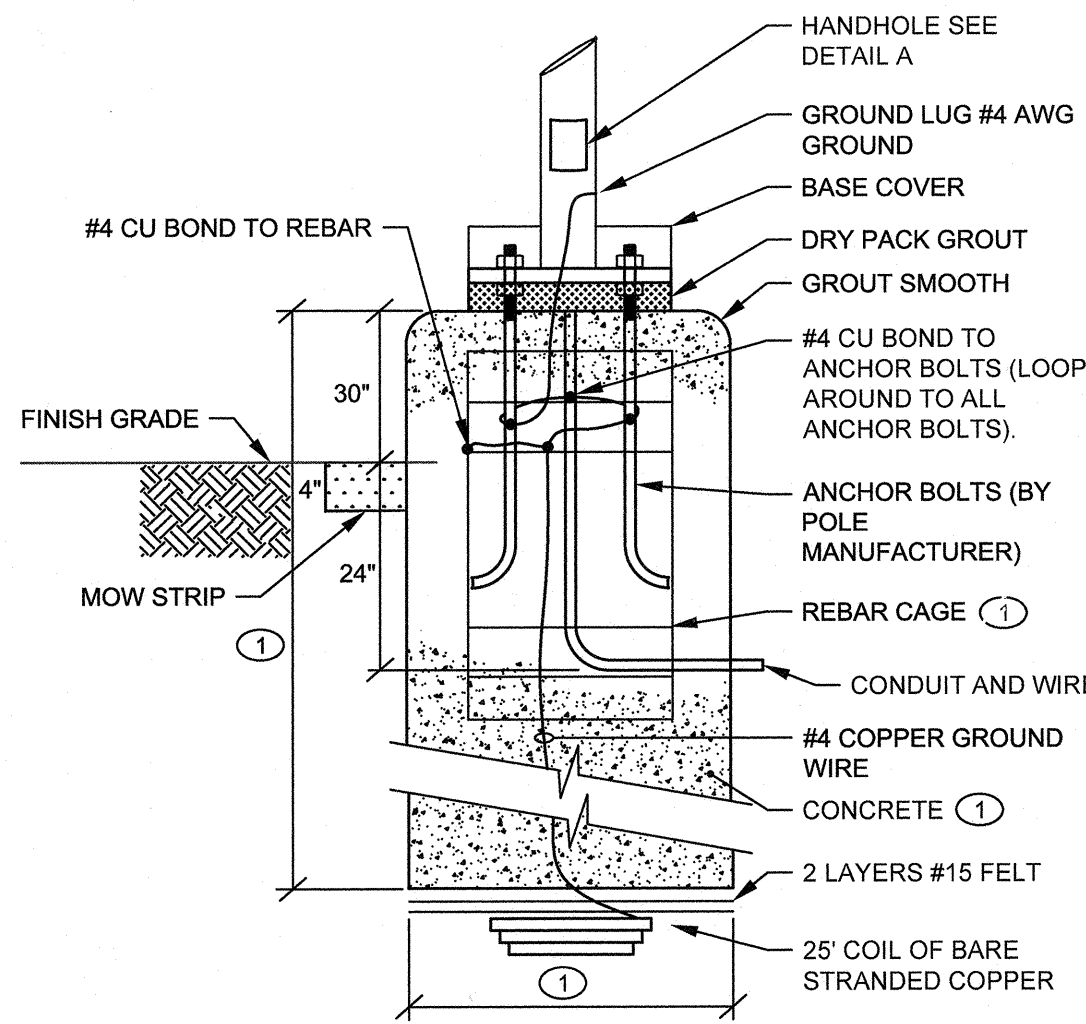
May 25, 2017

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

333 North Rancho Drive
LAS VEGAS, NEVADA 89106
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DRAWN	TJK
FILE	17044
DATE	05/25/2017
SCALE	AS NOTED
BID NO	1665764.DC
CLV DWG NO	65066.4
HAISEN #	65764
SHT NO	E0.31

E0.31

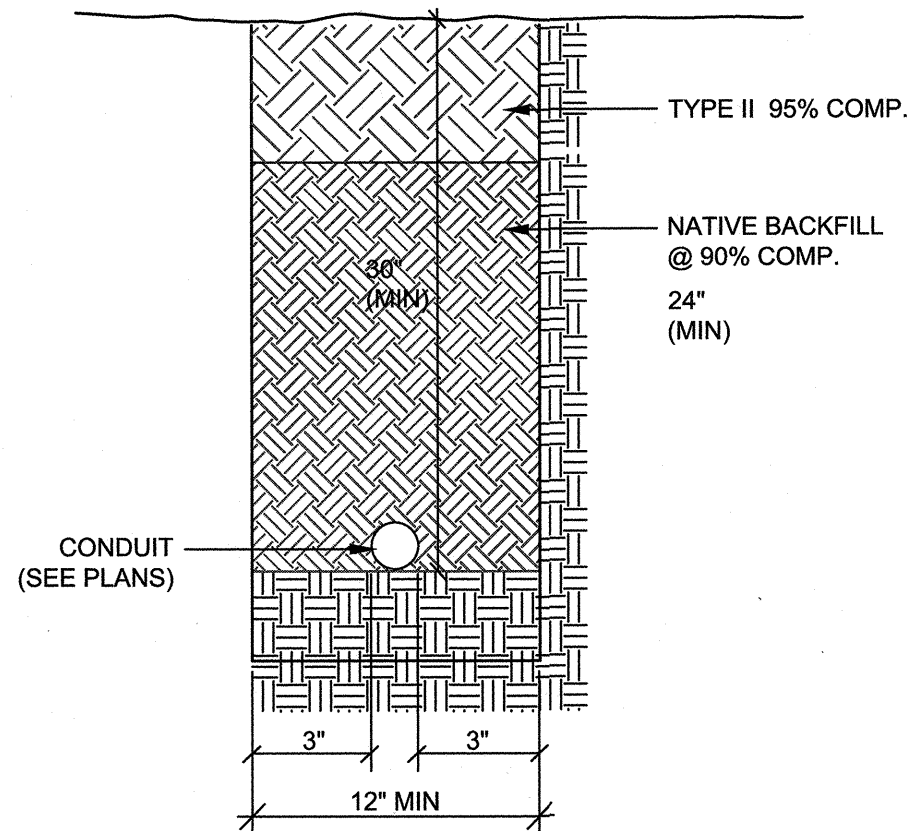


NOTES: #

1. SEE STRUCTURAL DRAWINGS FOR FOUNDATION DESIGN OF REBAR AND CONCRETE DEPTHS.

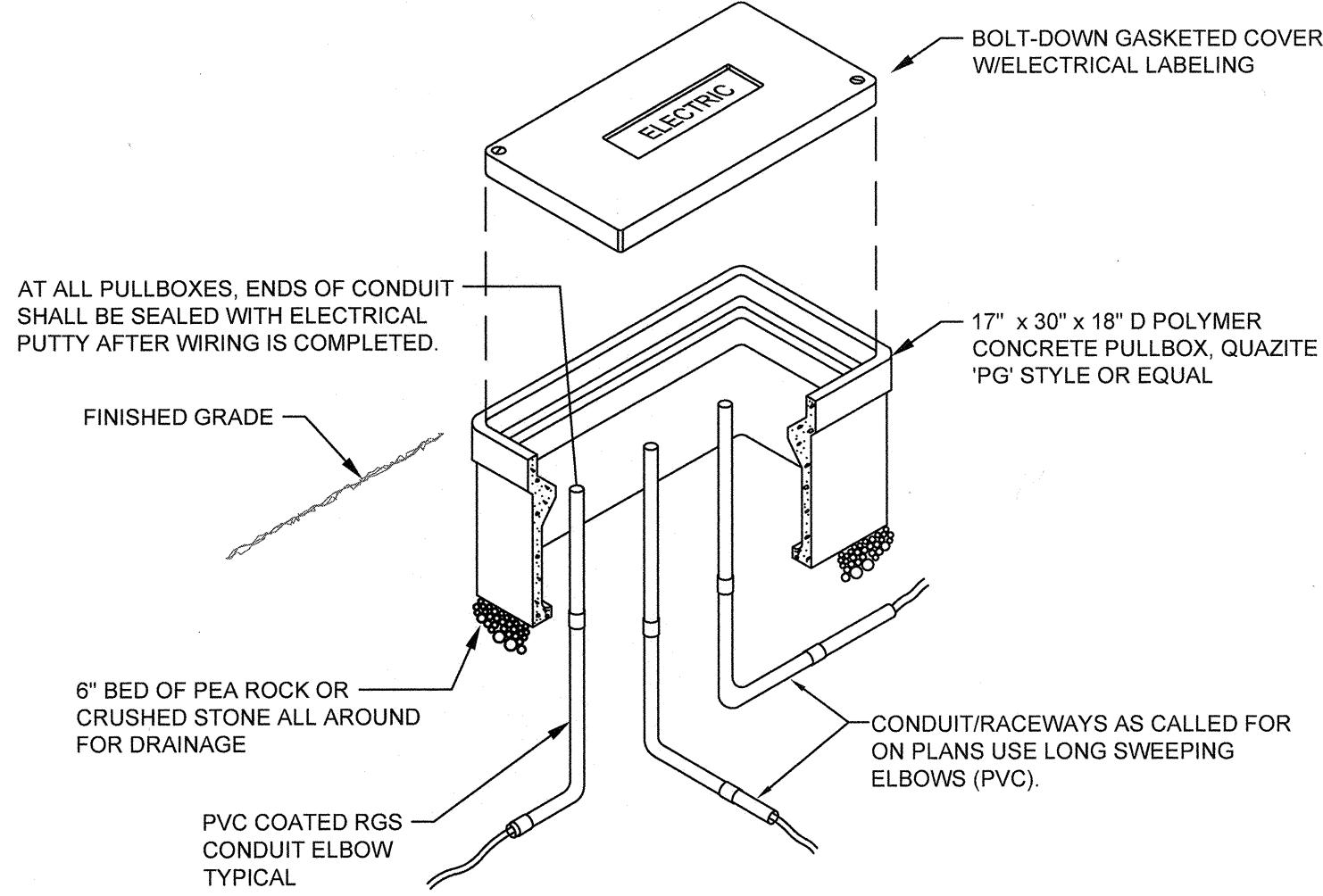
ELECTRICAL GROUNDING FOR POLE FOUNDATION

SCALE: NOT TO SCALE



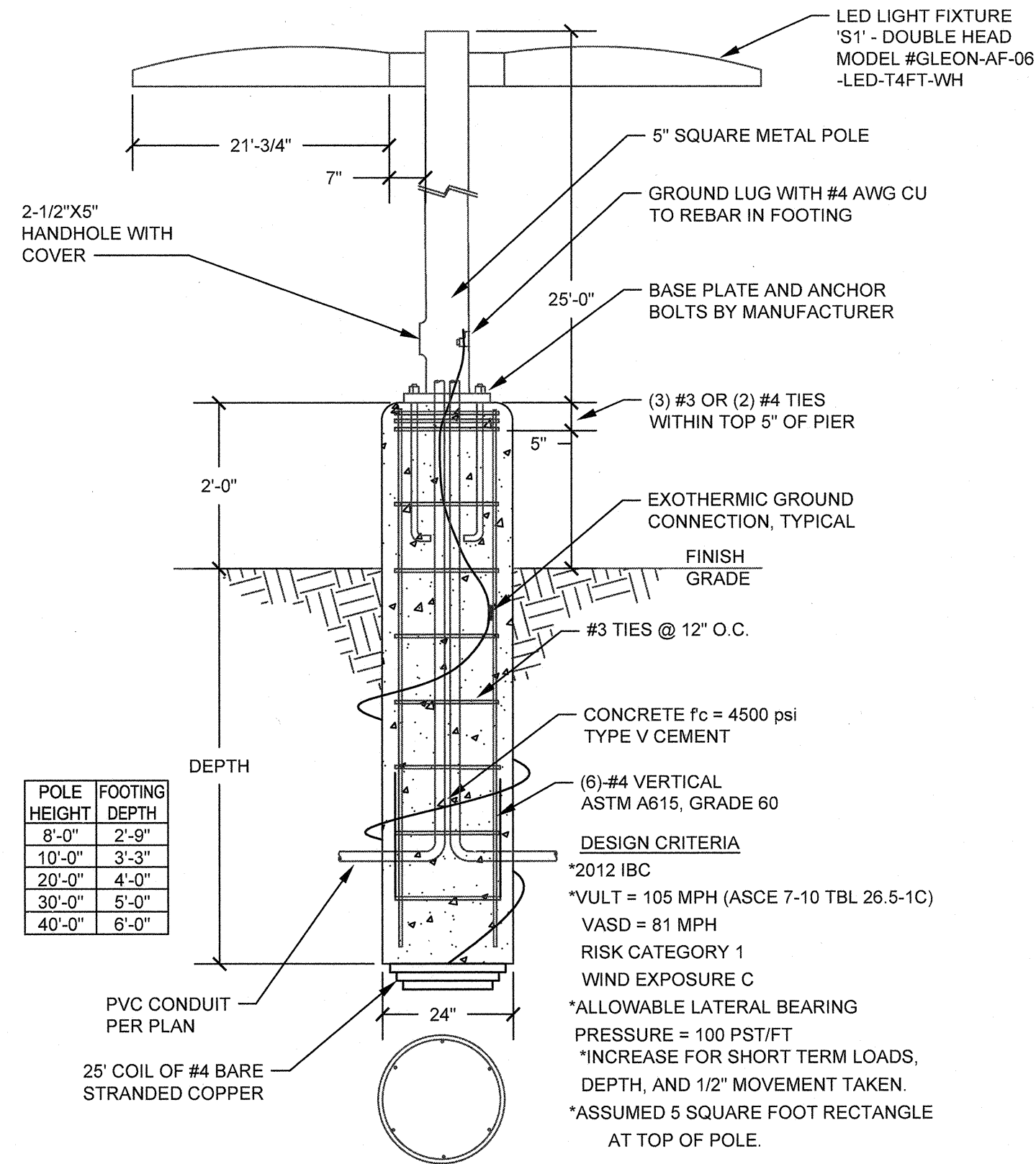
TYPICAL TRENCH DETAIL

SCALE: NOT TO SCALE



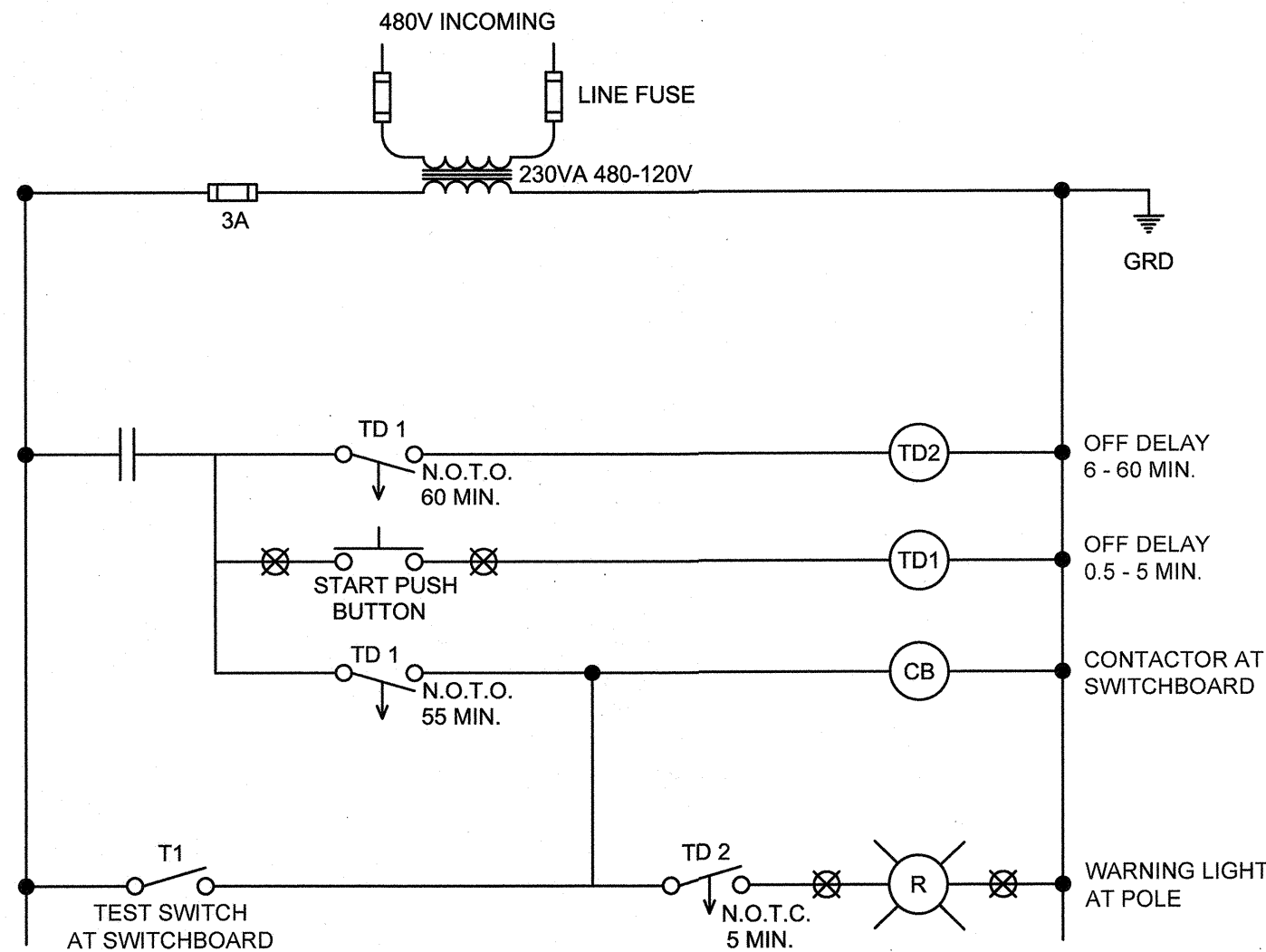
PULLBOX DETAIL

SCALE: NOT TO SCALE



PICKLEBALL COURT LIGHT POLE BASE DETAIL

SCALE: NOT TO SCALE

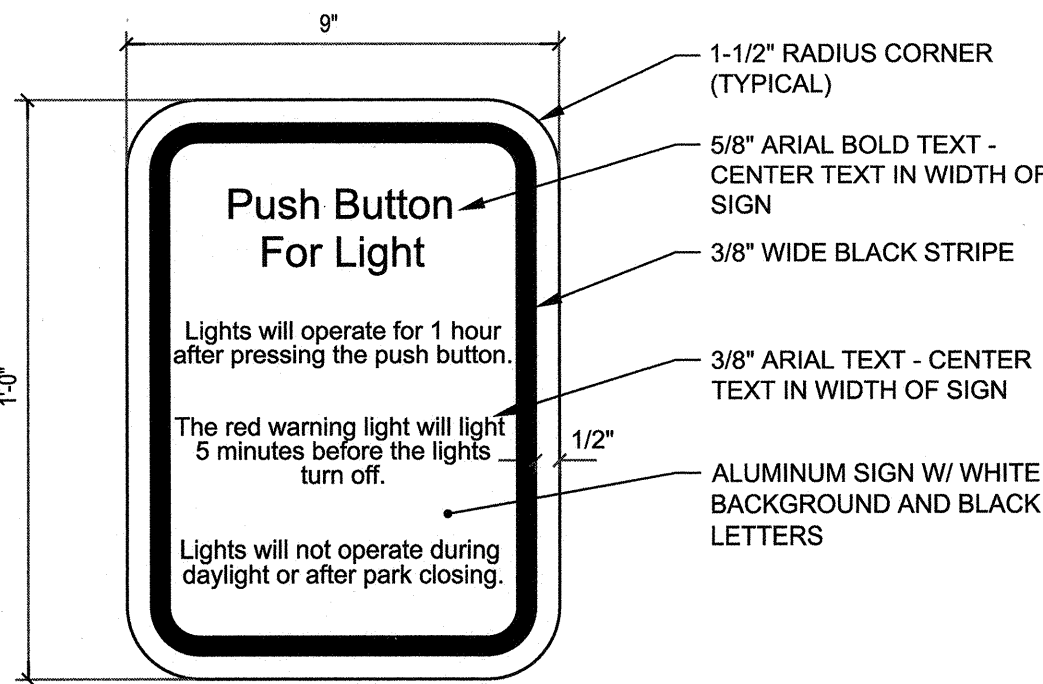


SPORTS COURT LIGHTS CONTROL DIAGRAM

SCALE: NOT TO SCALE

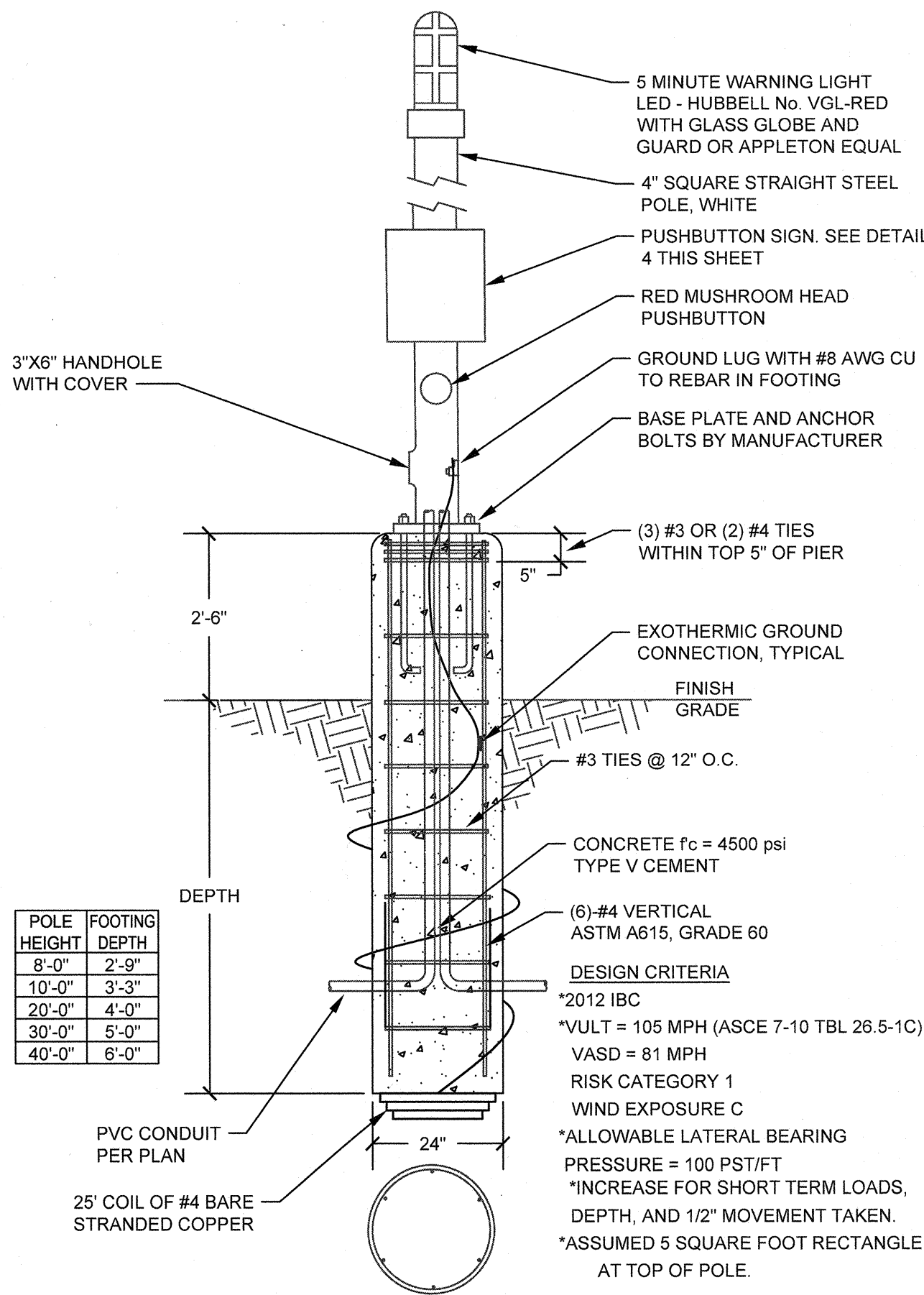
The design drawing distributed to the design consultant requesting such drawing is provided for design concept purposes only and to assist the design consultant in the preparation of his or her final design documents. No warranty is made, either express or implied (including the warranties of merchantability or fitness for a particular purpose), as to regulatory compliance, structural integrity, soundness, accuracy or completeness of the design drawing. The design consultant assumes all responsibility for inclusion or use of the design drawing, in whole or in part, in the final design documents prepared by the design consultant.

The City is providing the design drawing in the format of computerized electronic data as a convenience for the design consultant. The design consultant agrees to assume all responsibility for use of the electronic data including any errors or deficiency in the design drawing resulting therefrom. Any user of this electronic data does agree by such usage to defend, indemnify, and hold the City, its officers, employees, consultants and agents, harmless from and against any and all claims, damages (including consequential damages), losses and expenses including, but not limited to, court costs and attorney fees, which arise out of or result from the use of electronic data. The design drawing shall not be used for any purpose other than for use in the particular project for which it was provided by the City, nor by any party other than the party it was provided to directly by the City. The design consultant agrees not to distribute or transfer this electronic data, in whole or in part, to any other party. The City retains all rights to and ownership of the design drawing (including copyright).



PUSHBUTTON SIGN

SCALE: NOT TO SCALE



WARNING LIGHT POLE BASE DETAIL

SCALE: NOT TO SCALE

REVIEWED FOR CODE COMPLIANCE

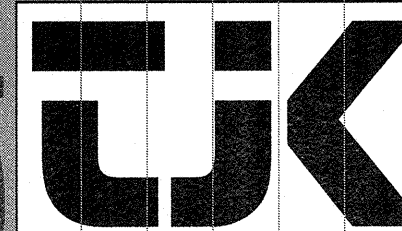
JUN 14 2017 DM

CITY OF LAS VEGAS
BUILDING AND SAFETY



REVISIONS

CONSULTANT



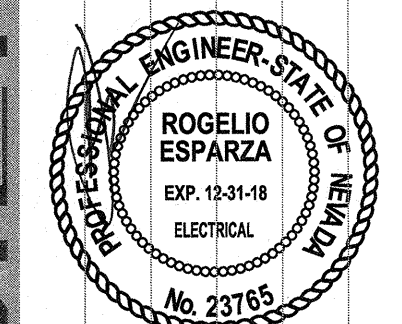
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TJK # 17044

Durango Hills Pickleball Courts
3521 N. Durango Drive
Las Vegas, Nevada 89129
DETAILS

STAMP



May 25, 2017

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

333 North Rancho Drive
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TDD: (702) 386-9108

DRAWN: TJK

FILE: 17044

DATE: 05/25/2017

SCALE: AS NOTED

BID NO: 1665764DC

CLV DWG NO: 65066.4

HANSEN # 65764

SHT NO

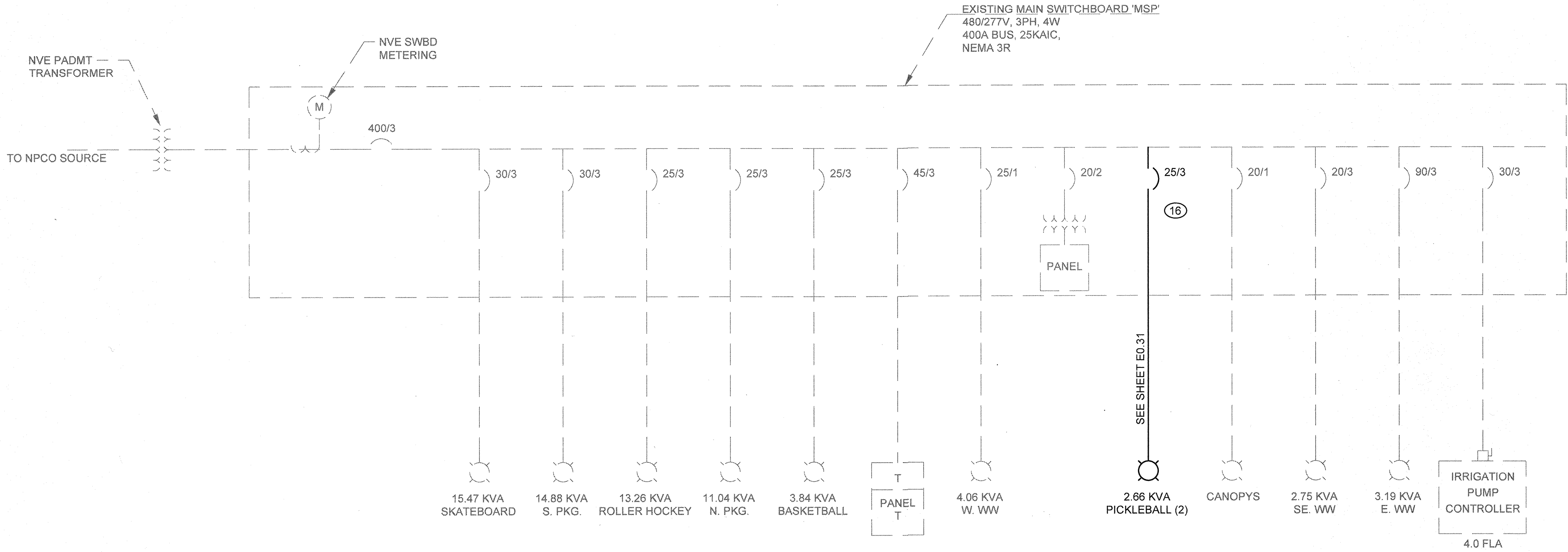
E4.01

GENERAL NOTES:

1. THE DESIGN PROFESSIONAL HAS PERFORMED ALL REQUIRED VOLTAGE DROP CALCULATIONS AND ALL BRANCH CIRCUITS AND FEEDER COMPLY WITH NEC 210.19(A)(1).

KEY NOTES: ②

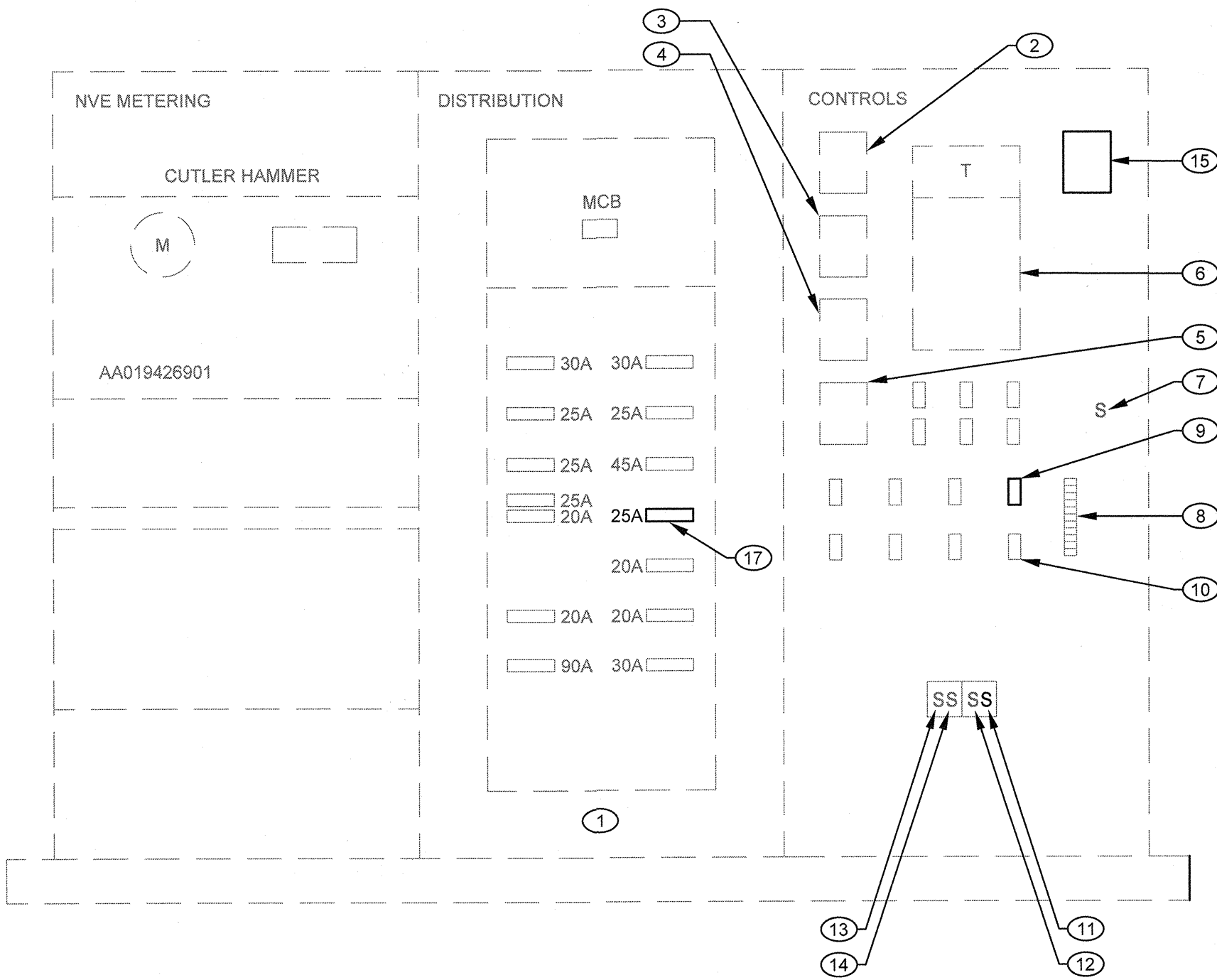
1. SEE ONE LINE DIAGRAM THIS SHEET FOR 'MSP' CIRCUITS DESCRIPTIONS.
2. INTERMATIC TIME CLOCK (BASKETBALL).
3. INTERMATIC TIME CLOCK (PICKLEBALL COURTS (5)).
4. INTERMATIC TIME CLOCK (SKATE PARK).
5. ABANDONED TIME CLOCK.
6. MINI-POWER ZONE, 6 KVA, 120/240V, 1PH, 3W.
7. PHOTO-EYE BYPASS SYSTEM SWITCH.
8. TERMINAL STRIP.
9. NEW TIMING RELAY TO HATCH EXISTING.
10. EXISTING TIMING RELAY, TYPICAL (13).
11. NEW SINGLE-POLE SWITCH (PICKLEBALL COURT (2)) TO MATCH EXISTING.
12. EXISTING SINGLE-POLE SWITCH (SKATE PARK).
13. EXISTING SINGLE-POLE SWITCH (PICKLEBALL COURTS (5)).
14. EXISTING SINGLE-POLE SWITCH (BASKETBALL).
15. NEW INTERMATIC TIME CLOCK (PICKLEBALL COURT (2)).
16. PROVIDE AND INSTALL NEW CIRCUIT BREAKER AND CONTACTOR FOR CONTROL OF NEW PICKLEBALL COURTS (2), SEE SHEET E0.30.
17. PROVIDE AND INSTALL NEW 25A, 3P, CIRCUIT BREAKER, LABEL BREAKER "PICKLEBALL (2)".



SWITCHBOARD 'MSP' 480/277V 3PH, 4W LOAD CALCULATION - NEW PICKLEBALL COURTS				
EXISTING LOADS				
PARKING LOT LIGHTS	25920 VA	@	1.25	32400
WALKWAY LIGHTS	9280 VA	@	1.25	11600
BASKETBALL COURTS LIGHTS	8840 VA	@	1.25	11050
PICKLEBALL COURTS (5) LIGHTS	13260 VA	@	1.25	16580
SKATEBOARD COURT LIGHTS	15470 VA	@	1.25	19340
PICNIC SHELTER	630 VA	@	1.25	790
MISCELLANEOUS 120V LOAD	5000 VA	@	1.00	5000
RESTROOM BUILDING LOAD	4000 VA	@	1.00	4000
TOTAL LOAD (EXISTING)	82400 VA			100760
TOTAL KVA				100.8
TOTAL AMPERE (480/277V 3PH, 4W)				121.2
NEW PICKLEBALL (2) COURTS LIGHTS				
	2664 VA	@	1.25	3330
TOTAL NEW LOAD				104090
TOTAL NEW KVA				104
TOTAL NEW AMPERE				125.2

ONELINE DIAGRAM

SCALE:



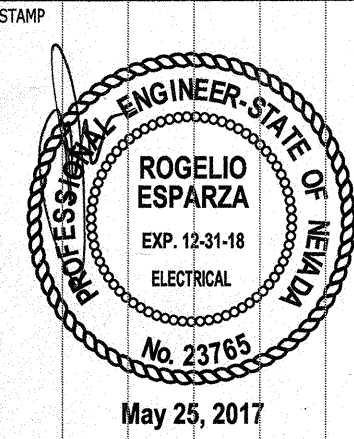
SWITCHBOARD 'MSP' ELEVATION

SCALE:

REVIEWED FOR CODE COMPLIANCE

JUN 14 2017 DM
CITY OF LAS VEGAS
BUILDING AND SAFETY

Durango Hills Pickleball Courts
3521 N. Durango Drive
Las Vegas, Nevada 89129
ONELINE DIAGRAM



OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

333 North Rancho Drive
LAS VEGAS, NEVADA 89106
PHONE: (702) 229-6535
FAX: (702) 386-4846
TDD: (702) 386-9108

DRAWN	TJK
FILE	17044
DATE	06/25/2017
SCALE	AS NOTED
BID NO	1665764.DC
CLV DWG NO	65066.4
HANSEN #	65764
SIT NO	E5.01