

CLV GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", 1986; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", VOLUMES I AND II, DATED 1988 AND 1992, RESPECTIVELY; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL OVERHEAD AND UNDERGROUND INTERFERENCES WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD OR UNDERGROUND POWER, GAS AND/OR OTHER UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES, AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER OR OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS. ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I., MINIMUM @ 28 DAYS, UNLESS OTHERWISE NOTED. MIX DESIGN TO BE APPROVED BY THE QUALITY CONTROL DIVISION PRIOR TO USE ON THE PROJECT.
6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED TYPE CURB.
8. AC PAVEMENT TO BE 1/2" ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS.
9. APPLY FOG SEAL ONLY AFTER ALL CORRECTIONS AND ADJUSTMENTS HAVE BEEN MADE.
10. CURB AND GUTTER WITH A GRADE OF LESS THAN FOUR TENTHS OF ONE PERCENT SHALL BE WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION. ANY CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY SHALL BE REMOVED AND REPLACED.
11. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING No. 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY THE CITY INSPECTOR.
12. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS, OR AS DESIGNATED IN THE FIELD BY A CITY INSPECTOR.
13. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER AND APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
14. EXACT LOCATION OF ALL SAWCUT LINES MAY BE DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS INSPECTOR IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATION.
15. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE No. 625.550.
16. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC. SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.
17. WALL NOTES:
A. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN FOR THE PURPOSE OF GRADING RELATIONSHIPS.
B. THE STRUCTURAL AND ARCHITECTURAL DESIGN OF ALL WALLS, RETAINING OR NON-RETAINING, MUST BE APPROVED BY THE CITY OF LAS VEGAS BUILDING DEPARTMENT.
18. PLANTMIX BITUMINOUS SURFACE DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF PLANTMIX BITUMINOUS SURFACE ON CITY STREETS.
19. FINISHED GRADE ELEVATIONS SHOWN ON THE DRAWINGS ARE TOP OF DENISE GRADED ASPHALT.

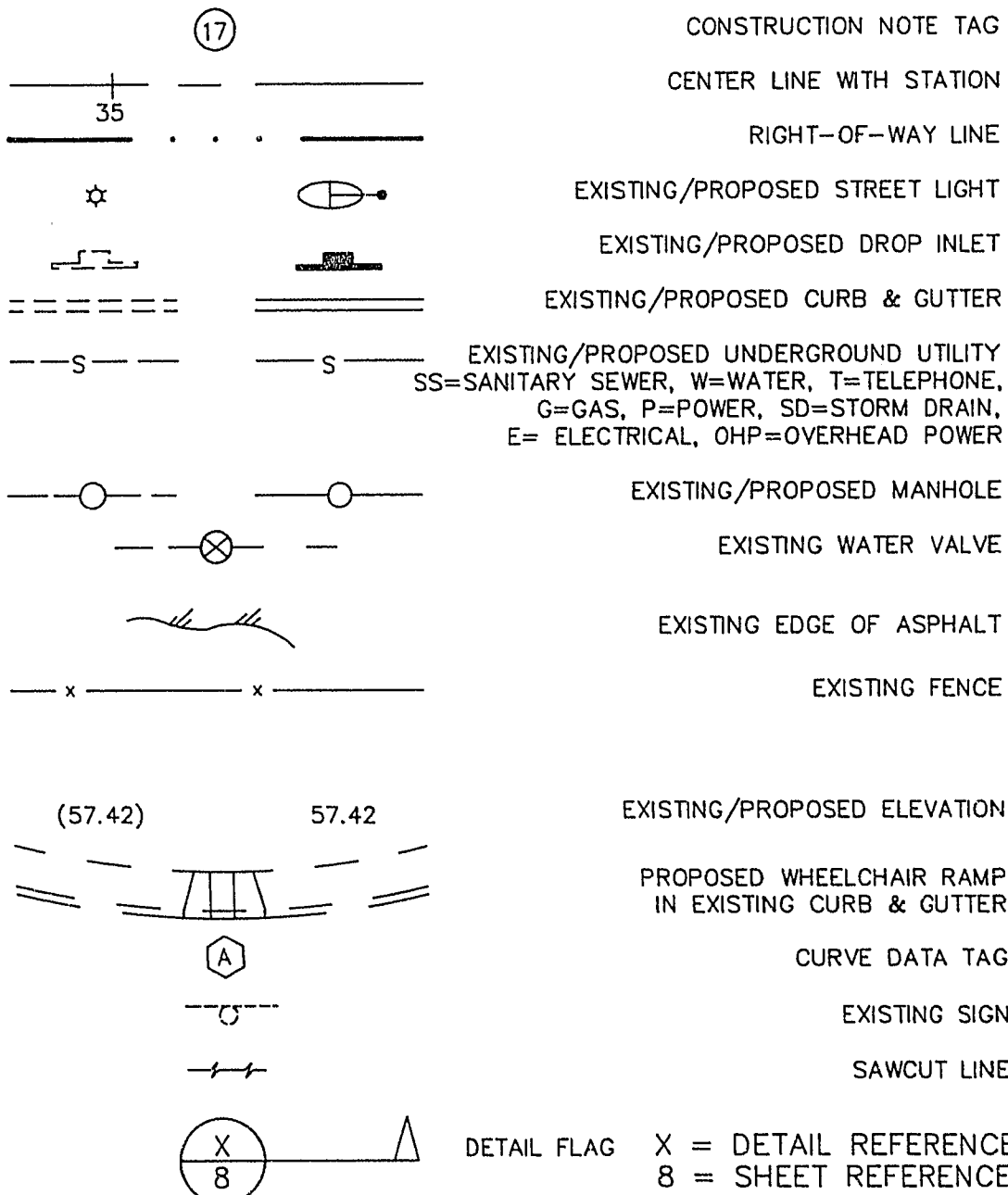
BASIS OF BEARING

NORTH 89° 36' 56" WEST ALONG THE CENTERLINE OF WASHINGTON AVENUE BETWEEN THE CENTERLINES OF LAMB BOULEVARD AND PECOS ROAD ROTATED RIGHT 0° 20' 14" FROM THAT BEARING AS SHOWN ON FILE 35 OF PARCEL MAPS, PAGE 73 (N 89° 38' 10" W) AS RECORDED IN THE RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK # 06125A14 LOCATED ON THE WEST CURB RETURN ON THE SOUTHWEST CORNER OF PECOS ROAD AND OSAGE AVENUE / ELEVATION = 1807.177

LEGEND



INDEX OF DRAWINGS

TOTAL	SHEET No.	DESCRIPTION
1	1	COVER SHEET
2	2	NOTES, INDEX, QUANTITIES, LEGEND and ABBREVIATIONS
3	3	PROJECT GEOMETRICS
4	D-1	DRAINAGE STRUCTURE PLAN and PROFILE STA. 95+90.00 to 90+00
5	D-2	DRAINAGE STRUCTURE PLAN and PROFILE STA. 90+00 to 80+00
6	D-3	DRAINAGE STRUCTURE PLAN and PROFILE STA. 80+00 to 70+00
7	D-4	RCB SECTION and DETAILS
8	D-5	INLET PLAN and SECTIONS
9	D-6	INLET DETAILS
10	D-7	INLET STRUCTURE DETAILS
11	D-8	LENA STREET STORM DRAIN PLAN and PROFILE, DETAILS
12	W-1	WATER RELOCATION DETAILS
13	S-1	SANITARY SEWER PLAN and PROFILE STA. 94+10.00 to 82+72.00
14	R-1	ROADWAY PLAN and PROFILE STA. 95+50 to 85+00
15	R-2	ROADWAY PLAN and PROFILE STA. 85+00 to 75+00
16	R-3	ROADWAY PLAN and PROFILE STA. 75+00 to 65+00
17	R-4	ROADWAY PLAN and PROFILE STA. 65+00 to 56+83.97
18	R-5	PECOS ROAD/WASHINGTON AVENUE INTERSECTION DETAILS
19	R-6	ROADWAY IMPROVEMENTS DETAILS
20	R-7	MEDIAN ISLAND GEOMETRICS
21	R-8	CONSTRUCTION STAGING and CONCEPTUAL DETOUR PLAN
22	E-1	PECOS ROAD/WASHINGTON AVENUE TRAFFIC SIGNAL
23	E-2	PECOS ROAD/WASHINGTON AVENUE TRAFFIC SIGNAL

ABBREVIATIONS

A.C. ASPHALTIC CONCRETE
ADJ. ADJUST
ACG. AGGREGATE
B.C. BACK OF CURB
B.C.R. BACK OF CURB RADIUS
B.O.F. BOTTOM OF FOOTING
BTM. BOTTOM
B.W. BACK OF WALK
C & G. CURB AND GUTTER
C. CENTER LINE
CLV. CITY OF LAS VEGAS
CMP. CORRUGATED METAL PIPE
COMP. COMPACTED
CONC. CONCRETE
CONST. CONSTRUCT or CONSTRUCTION
D.G. DENSE GRADE
D.I. DROP INLET
DIA. DIAMETER
DWG. DRAWING
DWY. DRIVEWAY
ELEV./EL. ELEVATION
E.P. EDGE OF PAVEMENT
E.W. EACH WAY
EX./EXIST. EXISTING
F.G. FINISHED GRADE
F.H. FIRE HYDRANT
F.T. FOOTING
G.B. GRADE BREAK
INV. INVERT
L.F. LINEAR FEET
LT. LEFT
MAX. MAXIMUM
M.H. MANHOLE
MIN. MINIMUM
P.C. POINT OF CURVATURE
P.I. POINT OF INTERSECTION
P.R.C. POINT OF REVERSE CURVATURE
PROP. PROPOSED
P.T. POINT OF TANGENCY
RCB. REINFORCED CONCRETE BOX
R.C.P. REINFORCED CONCRETE PIPE
R.P. RADIAL POINT
RT. RIGHT
R/W. RIGHT-OF-WAY
S.D. STORM DRAIN
STD. STANDARD
S.W. SIDEWALK
T.C. TOP OF CURB
T.O.W. TOP OF WALL
TRPL. TRIPLE
TRANS. TRANSITION
TYP. TYPICAL
USD. UNIFORM STANDARD DRAWING
V.C. VERTICAL CURVE
V.G. VALLEY GUTTER
W.M. WATER METER

CLV TRAFFIC NOTES

1. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED.
2. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK - 1985" AND TO THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES - 1985".
3. IF THE IMPROVEMENTS NECESSARY TO THE OBLITERATION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKINGS, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CITY OF LAS VEGAS STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF LAS VEGAS STANDARDS.
5. IF A PROPOSED STREETLIGHT STANDARD IS FIELD LOCATED TO WITHIN FIVE (5) FEET OF ANY SIGN SHOWN HEREON TO BE MOUNTED ON A SIGN POST, THEN CHANGE SIGN MOUNTING TO ONE ON THE STREETLIGHT STANDARD.
6. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAYING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.

STANDARD DRAWINGS

"UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS" CONSTRUCTION, CLARK COUNTY AREA, NEVADA", DATED 1988.

DWG. No.	DESCRIPTION
408	MANHOLE ADJUSTMENT
409	STD. MH COVER AND RING
410	MANHOLE STEP
413	DROP INLET TYPE "C"
417	INLET GRATE and FRAME
517	VALVE BOX ADJUSTMENT
235	SIDEWALK RAMP
244	CENTERLINE DELINEATION
246	LEFT TURN STORAGE LANE ETC.
247	PAVEMENT MARKER DETAILS
248	MEDIAN NOSE MARKINGS
254	CROSSWALK MARKINGS

"STATE OF NEVADA STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION", DATED OCTOBER 1989.

DWG. No.	DESCRIPTION
R-81.6	BREAKAWAY CABLE TERMINAL
R-82.2	GALVANIZED GUARDRAIL ("W" - BEAM)
R-83.3	PORTABLE CONCRETE BARRIER RAIL

APPROXIMATE QUANTITIES

ITEM No.	DESCRIPTION	UNIT	ESTIMATED DRAINAGE QUANTITY	ESTIMATED ROADWAY QUANTITY
109.01	CONSTRUCTION CONFLICTS and CONTINGENCIES	FA	.9	.1
200.01	MOBILIZATION and DEMOBILIZATION	LS	0.67	0.33
201.01	CLEARING and GRUBBING	LS	1	0
202.01	REMOVE CURB and GUTTER	LF	4,620	50
202.02	REMOVE SLOPE PAVING	SF	8,600	0
202.03	REMOVE GUARDRAIL	LF	700	0
202.04	REMOVE BRIDGE DECK SLAB AND APPURTENANCES	LS	1	0
202.05	REMOVE CONCRETE PAVEMENT	SF	6000	0
202.06	REMOVE SIDEWALK	SF	150	0
202.07	REMOVE VALLEY GUTTER	SF	200	0
202.08	REMOVE 6" TACK-ON CURB	LF	0	3,134
202.09	REMOVE INLET PROTECTION	LS	1	0
202.10	REMOVE CONCRETE MEDIAN ISLAND	SF	0	1,100
202.11	REMOVE SIGN	EA	1	0
202.12	REMOVE PORTABLE CONCRETE BARRIER RAILS	EA	6	14
203.01	ROADWAY EXCAVATION	CY	1,500	3,200
206.01	OVER-EXCAVATION / BACKFILL	CY	2,300	0
302.01	TYPE II AGGREGATE BASE	CY	0	6,900
402.01	PLANTMIX BITUMINOUS SURFACE	TON	0	8,300
403.01	PLANTMIX BITUMINOUS OPEN-GRADED SURFACE	SY	0	30,000
405.01	TACK COAT	TON	0	27.5
406.01	PRIME COAT	TON	0	0.7
407.01	SEAL COAT	TON	0	0.9
502.01	REINFORCED CONCRETE BOX CULVERT (TRIPLE 12' x 8')	LF	2,250	0
502.02	PORTABLE PRECAST CONCRETE BARRIER RAIL	EA	2	0
502.03	REINFORCED CONCRETE APPROACH SLAB	EA	4	0
506.01	RELOCATE STEEL GRATES	LS	1	0
603.01	24" REINFORCED CONCRETE PIPE (CLASS III)	LF	48	0
603.02	42" REINFORCED CONCRETE PIPE (CITY SUPPLIED)	LF	55	0
603.03	CONNECT EXISTING STORM DRAIN	EA	7	0
609.01	5' TYPE "C" DROP INLET	EA	2	0
609.02	20" MODIFIED TYPE "C" DROP INLET	EA	1	0
609.03	24" RCB MANHOLE	EA	9	0
610.01	HEAVY RIPRAP	CY	60	0
613.01	24" "L" TYPE CURB & GUTTER	LF	30	50
613.02	CONCRETE SIDEWALK	SF	150	1005
613.03	CONCRETE VALLEY GUTTER	SF	200	0
613.04	CONCRETE SIDEWALK RAMP	EA	0	12
613.05	CONCRETE MEDIAN ISLAND	SF	0	17,520
613.06	DECORATIVE MEDIAN ISLAND	SF	0	37,590
623.01	TRAFFIC SIGNAL IMPROVEMENTS (PECOS ROAD)	LS	0	1
624.01	TRAFFIC CONTROL	LS	0.5	0.5
627.01	PERMANENT SIGNS	LS	0	1
627.02	RELOCATE SIGN	EA	0	1
628.01	PAVEMENT MARKERS - REFLECTIVE	EA	0	340
628.02	PAVEMENT MARKERS - NON-REFLECTIVE	EA	0	485
628.03	POLYMER PAVEMENT MARKINGS	LS	0	1
628.04	TRAFFIC STRIPING	LS	0	1
629.01	RELOCATE 10" WATER MAIN	LS	1	0
629.02	ADJUST VALVE BOX	EA	0	8
630.01	ADJUST MANHOLE	EA	5	0
630.02	21" SEWER PIPE (PVC)	LF	711	0
630.03	60" SEWER MANHOLE	EA	1	0
630.04	JUNCTION MANHOLE	LS		

ADDITIVE ALTERNATE BID ITEMS

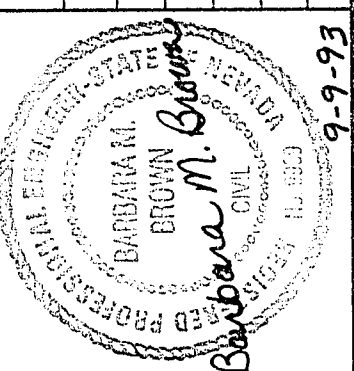
502.03	INLET STRUCTURE ALTERNATIVE 1	LS	
502.04	INLET STRUCTURE ALTERNATIVE 2	LS	

RECORD DRAWING

These Record Drawings have been prepared based on information provided by others. The Engineer has not verified the accuracy of such information and shall not be responsible for any errors or omissions which may be incorporated herein as a result.

REVISIONS

No.	Date	Description
1	10/27/93	PER ADDENDUM 2



DESIGNED: MOS
DRAWN: CK/MS
CHECKED: LUG
JOB NO. 3893-2-91
SCALE: 1"=40'
HORIZ. 1"=40'
VERT. 1"=40'

1055 EAST TROPICANA
SUITE 800
LAS VEGAS, NEVADA 89119
(702)798-1007



CITY OF LAS VEGAS
WASHINGTON AVENUE CONVEYANCE SYSTEM

NOTES, INDEX, QUANTITIES,
LEGEND and ABBREVIATIONS

PROJECT: CITY OF LAS VEGAS
WASHINGTON AVENUE CONVEYANCE SYSTEM

DESCRIPTION: NOTES, INDEX, QUANTITIES, LEGEND and ABBREVIATIONS

SHEET

2A

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