

NOTES TO CONTRACTOR

1. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN THE FIELD.
2. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL LOCATE AND VERIFY SIZE, MATERIAL, DEPTH, CONDITION, PRESSURE AND LOCATION OF ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. THE ENGINEER SHALL BE CONTACTED ONCE THE UTILITY IS LOCATED.
3. PLANS MAY NOT INDICATE ALL EXISTING UTILITIES. CONTRACTOR IS TO EXERCISE EXTREME CAUTION DURING EXCAVATION IN ORDER TO AVOID DAMAGING ANY EXISTING UTILITY LINES. IF THE UTILITY LINES ARE DAMAGED BY THE CONTRACTOR, SUCH DAMAGE SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.
4. CONTRACTOR TO SAWCUT AND REMOVE EXISTING ASPHALT AND CONCRETE AS NECESSARY FOR UTILITY TRENCHES, BACKFILL AND PATCH ALL TRENCHES ACCORDING TO CLARK COUNTY STANDARDS.
5. ALL WATER SERVICE LINES AND METERS SHALL BE INSTALLED PER LAS VEGAS VALLEY WATER DISTRICT STANDARDS AND SPECIFICATIONS.
6. CONTRACTOR TO FIELD VERIFY LOCATION AND INVERT OF MANHOLE PRIOR TO CONSTRUCTION. THE ENGINEER SHALL BE CONTACTED ONCE THIS INFORMATION HAS BEEN OBTAINED.
7. INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH DIRECTIONAL FITTING. PER UDACS PLATE NO. 27.
8. DISPOSAL OF ASBESTOS CEMENT PIPE SHALL BE IN ACCORDANCE WITH AWWA, LOCAL, STATE, AND FEDERAL REGULATIONS.
9. ABANDONED WATER MAIN(S) MAY BE REMOVED WHERE IN CONFLICT

WATERLINE ABANDONMENT & RELOCATION NOTES

30. 6" UTILITY TRENCH, SAWCUT, REMOVE, AND REPLACE TO MATCH EXISTING PER CCUSD # 504.
31. INSTALL 8" PVC C900 WATERLINE IN ACCORDANCE WITH UDACS PLATE 6C
32. INSTALL 8" PVC C900 WATERLINE IN ACCORDANCE WITH UDACS PLATE 6C
33. INSTALL 8" 90° ELBOW
34. CUT AND CAP PER NOTE THIS SHEET (ABANDON GATE VALVE WHERE APP.)
35. REMOVE EXISTING 8" ACP WATERLINE
36. REMOVE EXISTING 45° BEND AND CONNECT TO EXISTING ACP WATER MAIN PER UDACS PLATE NO. 4A, NOTE 1, AND UDACS 3.1.3.
37. REMOVE EXISTING FIRE HYDRANT, TEE, VALVE AND LATERAL

NEW WATER SERVICE INSTALLATION NOTES

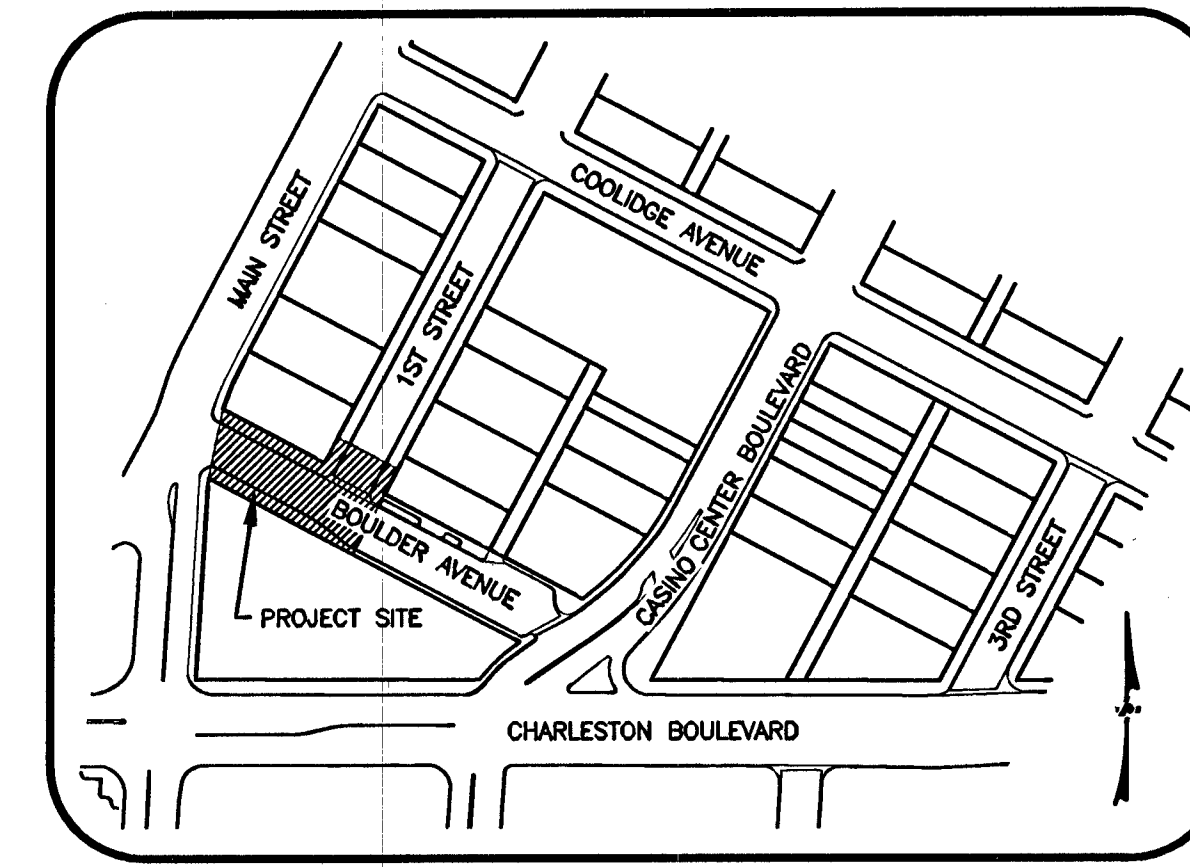
40. INSTALL 12"x14" SERVICE SADDLE IN ACCORDANCE WITH UDACS PLATE NO. 10
41. INSTALL 1" METER WITH BOX IN ACCORDANCE WITH UDACS PLATE 11A
42. INSTALL 1" OPFA IN ACCORDANCE WITH UDACS PLATE 10
43. INSTALL 1" COPPER WATERLINE IN ACCORDANCE WITH UDACS PLATE 10
44. INSTALL 12" X 8" MECHANICAL JOINT (OR APPROVED EQUAL) TAPPING SLEEVE W/8" TAPPING VALVE PER UDACS PLATE #22
45. INSTALL FIRE HYDRANT PER UDACS PLATE NO. 7.

LEGEND

- CONCRETE SPHERE BOLLARD PER LANDSCAPE PLANS
- SITE BENCH PER LANDSCAPE PLANS
- SITE LIGHTING PER ELECTRICAL PLANS. SEE SHEET ESI FOR FIXTURES
- SEATING CUBE PER LANDSCAPE PLANS
- EXISTING "L" TYPE CURB AND GUTTER
- EXISTING UTILITY LINE
- EXISTING WATER VALVE
- EXISTING SEWER MANHOLE
- EXISTING LIGHT POLE
- EXISTING FIRE HYDRANT
- EXISTING TRAFFIC POLE
- EXISTING UTILITY POLE
- ROW/PROPERTY LINE
- UNDER GROUND ELECTRIC
- OVER HEAD ELECTRIC
- OVER HEAD TELEPHONE

GRAPHIC SCALE

(IN FEET)
1 INCH = 20 FT.



BASIS OF BEARING

SOUTH 27°54'30" WEST BEING THE CENTERLINE OF CASINO CENTER BOULEVARD BETWEEN STEWART AVENUE AND COOLIDGE AVENUE AS SHOWN BY MAP THEREOF IN FILE 87, PAGE 79 OF SURVEYS IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

BENCHMARK

RIVET AND PLATE IN TOP OF CURB • NORTHEAST CORNER OF CHARLESTON AND CASINO CENTER. OLVO1 34SWS
ELEVATION=618.3640 (M) 2028.75 (F) NAVD88

CUT AND CAP

THE LATERAL MUST BE CUT WITHIN THREE (3) FEET OF THE ABANDONED VALVE, OR AS SHOWN ON PLANS, AND CAP. THE CONTRACTOR SHALL CUT THE EXISTING PIPE WHERE SHOWN ON THE DRAWING, AND INSTALL A CAP COMPLETE WITH THRUST BLOCK, WHERE A JOINT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT AND CAP LOCATION. THE INSTALLATION OF A PLUG MAY BE PERMITTED WITH DISTRICT APPROVAL. A CONCRETE THRUST BLOCK SHALL BE INSTALLED AT ALL CAP OR PLUG LOCATIONS, IN ACCORDANCE WITH THE PROVISIONS OF UDACS PLATE 5

ANCHOR BLOCK

CONSTRUCT ANCHOR BLOCKS FOR ALL IN LINE REDUCERS AND GATE VALVES PER UDACS STD PLATE 3.

THRUST BLOCK

CONSTRUCT A THRUST BLOCK PER UDACS STD PLATE 5 AT ALL JOINTS AND FITTINGS FOR ALL WATERLINES 8" AND LARGER.

REDUCED PRESSURE PRINCIPLE ASSEMBLY

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11A. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVWD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

ABANDONED VALVES

ALL VALVES TO BE ABANDONED SHALL BE ABANDONED IN THE CLOSED POSITION, UNLESS SHOWN OTHERWISE, BY REMOVING A MINIMUM OF THE TOP TWENTY-FOR (24) INCHES OF THE VALVE BOX, AND THEN FILLING THE BOTTOM OF THE BOX WITH A MINIMUM OF EIGHT (8) INCHES OF SAND OR TYPE II AGGREGATE BASE. THE REMAINING PORTION OF THE VALVE BOX SHALL BE FILLED WITH CONCRETE HAVING A COMPRESSIVE STRENGTH OF AT LEAST TWO THOUSAND (2000) PSI

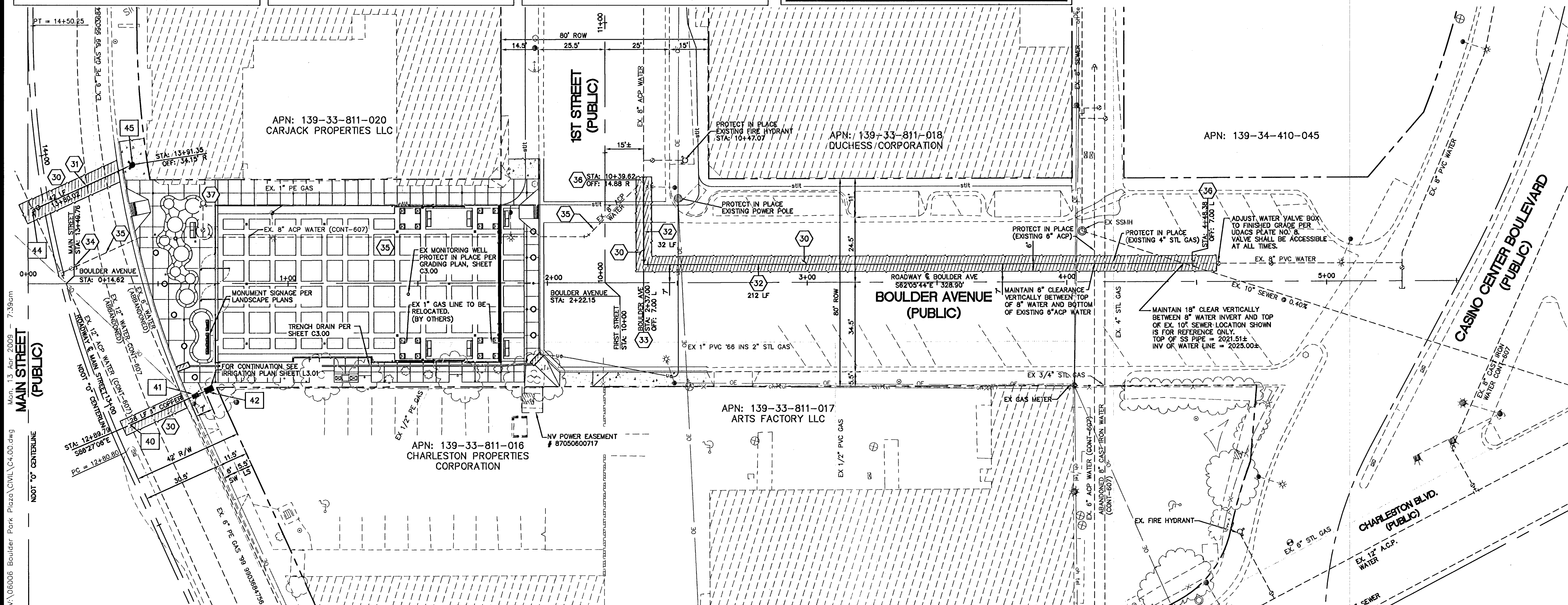
UTILITY NOTES

1. EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION. ANY UTILITIES DAMAGED DURING CONSTRUCTION MUST BE REPAIRED IMMEDIATELY AND TO THE OWNERS SATISFACTION AT THE CONTRACTOR'S EXPENSE.



APPROVED FOR CONSTRUCTION

LVWD PROJ. # 114463
LAS VEGAS VALLEY WATER DISTRICT
DATE 4-15-09



REVISIONS	NO.	DATE	DESCRIPTION	APP'D

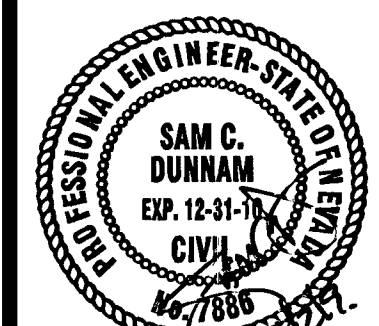
DEPARTMENT OF PUBLIC WORKS
400 EAST STEWART
LAS VEGAS, NEVADA 89101
(702) 229-6276



TITLE: BOULDER PARK PLAZA
CITY OF LAS VEGAS

UTILITY PLAN

DRAWN BY: JS	DESIGNED BY: JS	CHECKED BY: PR	PROJECT NO: 06006
SHEET: 7 OF 27			SCALE: 1" = 20'



Sheet
C4.00
7 of 27
CLV DRAWING NO.
676-09

BID NO. 09.1130.22

HANSEN NO. 171996