

LORENZI

BUCKSKIN

LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES

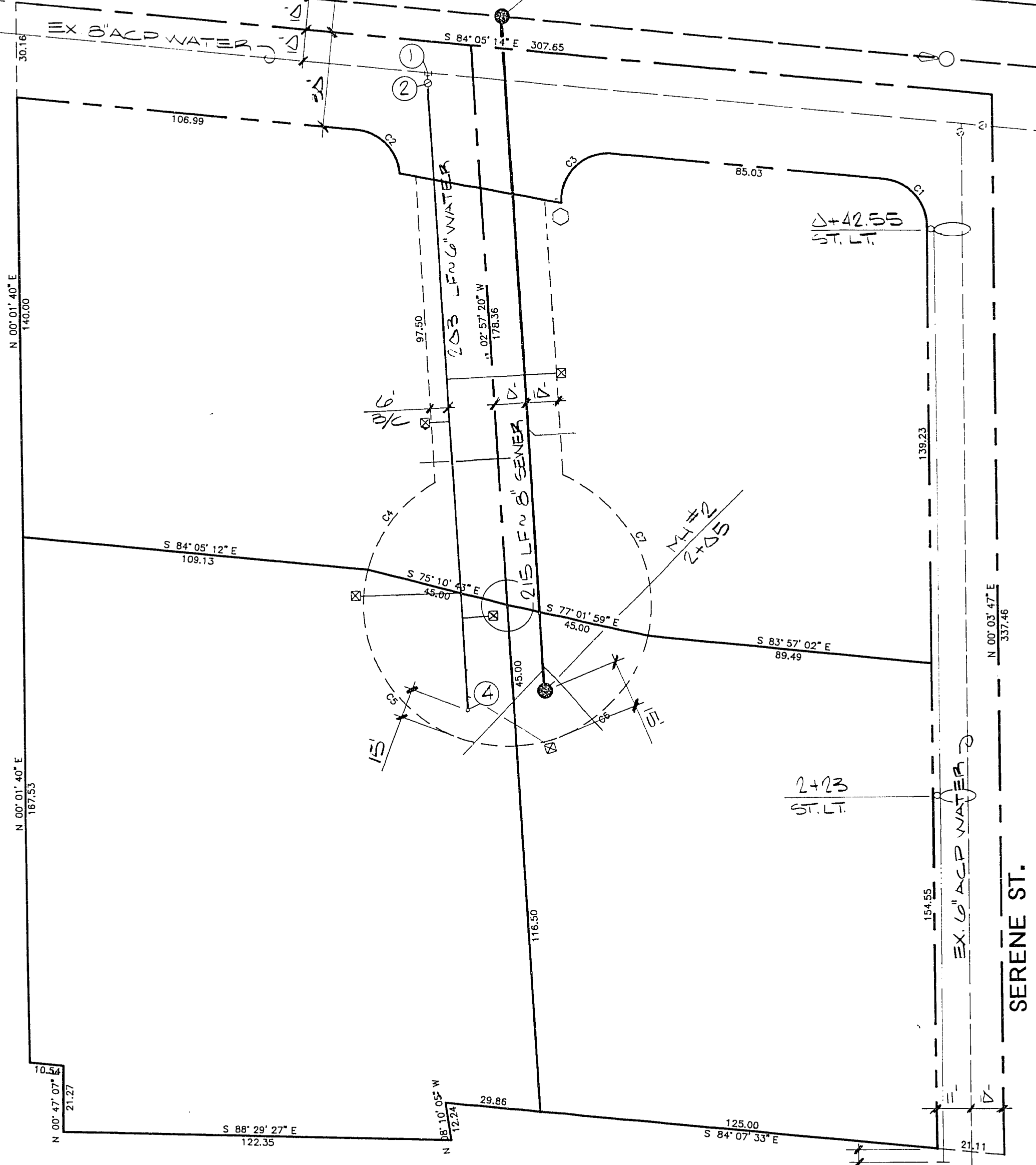
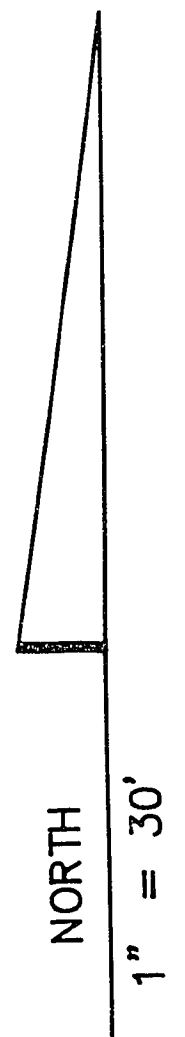
- No work shall begin on the water plans until they have been released for construction by the LVVWD. Following approval of the plans, notice must be given to the LVVWD Customer Service Department (870-4194), 48-hours prior to actual construction and 24-hours prior to an inspection.
- CALL BEFORE YOU DIG 1-800-227-2600
- All work shall conform to LVVWD latest standard plates, drawings, and specifications.
- All work, except as modified hereon or by Note 3, shall be done in accordance with the most current draft or addition of the UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA.
- District approved service saddles or tapped collars will be required on all 3/4" and 1" service laterals. Service saddles only will be permitted on 1-1/2" and 2" service laterals. Double tapped collars are not permitted.
- COPPER SERVICE LATERALS: All 3/4" to 2" service laterals shall be of copper tubing in accordance with the District specification.
- The maximum allowable joint deflection (DEGREES) for ACP and Ductile Iron Pipe shall be as follows:
 

PIPE SIZE	ACP	DUCTILE IRON SLIP JOINT	DUCTILE IRON MECHANICAL JOINT
6 inch	2.5	2.5	1.5
8-12 inch	2.5	2.5	2.5
14-16 inch	2	1.5	1.5
18-24 inch	n/a	1.5	1.5

On PVC pipe, the maximum offset for a 20' length of factory belled pipe shall be 17-inches for 6" pipe, 12-inches for 8" pipe, 11-inches for 10" pipe, and 9-inches for 12" pipe.
- All water meter boxes shall be located outside of driveway areas.
- All valves shall be located outside of driveway areas and valley gutters.
- Detector tape is required in accordance with Standard Plate No. 27 where indicated, and as follows:
  - over all mains not installed 6-feet from back of curb.
  - over all service laterals not installed at right angles to main.
- All water mains are to be pressure tested at 200 psi for a continuous two period.
- All water mains and laterals shall be disinfected and flushed, and an acceptable water sample obtained, prior to acceptance by the District.

CLARK COUNTY FIRE DEPARTMENT NOTES

- ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CLARK COUNTY ORDINANCE 11167, NFPA 124, 1987 EDITION AND THE UNIFORM FIRE CODE, 1988 EDITION.
- ON ANY BUILDING CONSTRUCTION SITES, ACCESSIBLE FIRE HYDRANTS SHALL BE INSTALLED BEFORE COMBUSTIBLE MATERIALS ARE DELIVERED TO THE SITE AND CONSTRUCTION COMMENCES. SAID FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER WITH REQUIRED WATER SUPPLY.
- IF DURING CONSTRUCTION IT BECOMES NECESSARY TO CLOSE ANY CONTROL VALVE OR PLACE A HYDRANT OUT OF SERVICE, THE CLARK COUNTY FIRE DEPARTMENT MUST BE CONTACTED.
- PAINTING OF CURBS AND/OR STRIPING OF ASPHALT AREAS AND PROTECTION OF HYDRANT FROM PHYSICAL INJURY, PER CLARK COUNTY FIRE DEPARTMENT FIRE HYDRANT INSTALLATION/SPECIFICATIONS HANDOUT.
- NO FIRE HYDRANT SHALL BE LOCATED WITHIN 25 FEET OF ANY STRUCTURE, OR 5 FEET OF A DRIVEWAY, POWER POLE, LIGHT STANDARD, OR ANY OTHER OBSTRUCTION. FOR WALL, FENCE AND PLANTER LOCATIONS, A PERIMETER AROUND THE HYDRANT MEASURING A MINIMUM OF 3 FEET FROM ITS CENTER SHALL BE MAINTAINED CLEAR OF ALL OBSTRUCTIONS AT ALL TIMES.
- AT ALL TIMES DURING CONSTRUCTION SUITABLE EMERGENCY VEHICLE ACCESS ROADS MUST BE MAINTAINED. ROADWAYS MUST BE SMOOTH, COMPACTED AND CAPABLE OF SUPPORTING THE IMPOSED LOADS OF ALL EMERGENCY VEHICLES.
- PRIOR TO ACCEPTANCE OF ANY PRIVATE FIRE SERVICE MAIN, A SATISFACTORY HYDROSTATIC TEST WITH PIPING JOINTS UNCOVERED MUST BE CONDUCTED. APPROVED PLANS AND A CONTRACTOR'S MATERIALS AND TEST CERTIFICATE MUST BE PROVIDED AT TIME OF INSPECTION.
- BLUE REFLECTIVE MARKERS INSTALLED PER SECTION 11.04.130(4) OF CLARK COUNTY ORDINANCE 11167, MUST BE PROVIDED BEFORE FINAL HYDRANT ACCEPTANCE CAN BE ATTAINED.



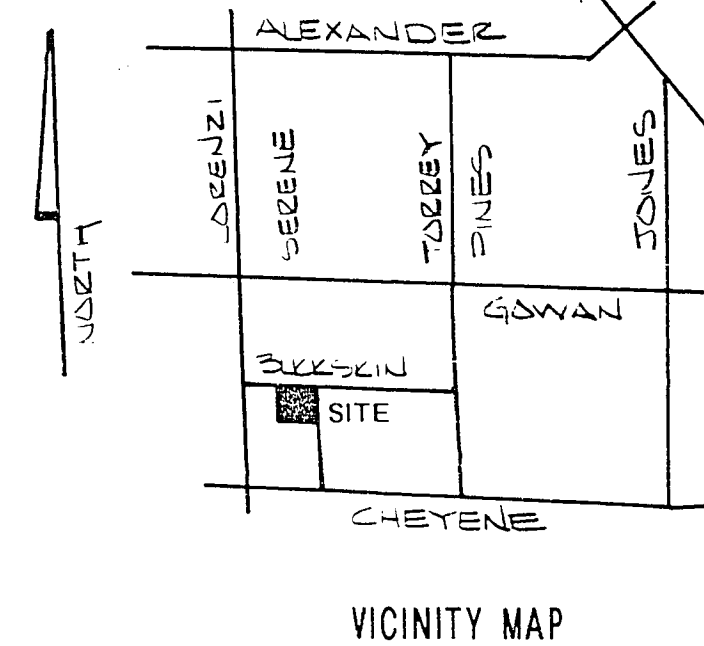
CITY OF LAS VEGAS SEWER NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IN ALL CASES, THESE STANDARDS SHALL SUPERSEDE THE UNIFORM STANDARD SPECIFICATIONS. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATION BOOKS.
- THESE STANDARDS SHALL APPLY TO ALL CONSTRUCTION.
- SEWER MAINS ONLY TO BE LAID IN SEWER TRENCHES.
- ALL LATERALS TO BE LAID AT NOT LESS THAN MINIMUM SLOPES AS SHOWN IN THESE STANDARDS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST BE WITH THE APPROVAL OF THE CONTROLLING AGENCY.
- SOIL TESTING SHALL BE IN ACCORDANCE WITH SECTION 3.11 OF THESE STANDARDS.
- ALL EXFILTRATION, INFILTRATION, AIR TESTING AND TELEVISION OF LINES SHALL BE IN ACCORDANCE WITH THESE STANDARDS.
- CUT SHEETS MUST BE SUBMITTED TO THE AGENCY BEFORE CONSTRUCTION WILL BE PERMITTED START.
- ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CONTROLLING AGENCY MUST BE CLASS "A" CONTRACTORS.

LEGEND & QUANTITY ESTIMATE

- ① 8"x6" MECH. JOINT TAPPING TEE 1EA
- ② 6" TAPPING VALVE 1EA
- ③ STD. FIRE HYD. ASST. 1EA
- ④ 6" CAP & 2" B&B ASST. 1EA
- 8" WATER MAIN 203 LF
- 6" WATER MAIN 5 EA
- 1" METER & SERVICE 2EA
- 8" SEWER MAIN 215 LF
- 4" LATERAL 115 LF
- 1/4" CONDUIT 295 LF
- R-1 STOP SIGN 2EA
- └ STREET NAME SIGN 7EA
- 5M-3L 2EA
- 100 WATT LUMINAIRE 2EA

CURVE	DELTA	RADIUS	ARC	CHORD	TANGENT	CHORD BRG
1	84°09'01"	15.00	22.03	20.10	13.54	N 42°00'43" W
2	81°09'04"	15.00	21.24	19.91	12.84	N 43°31'17" W
3	98°52'06"	15.00	23.88	22.79	17.52	S 46°28'43" W
4	45°52'09"	45.00	36.60	36.60	19.03	S 37°44'01" W
5	107°46'37"	45.00	64.65	72.71	61.68	S 39°04'01" E
6	74°04'36"	45.00	58.18	54.21	33.96	N 50°00'21" E
7	78°32'05"	45.00	62.47	67.57	37.45	N 58°48'01" E



DUNNAM CIVIL ENGINEERS  
 3305 SPRING MOUNTAIN ROAD  
 SUITE 86  
 LAS VEGAS, NV 89102

APN 280-650-001  
 MASTER UTILITY PLAN

PRIVATE DRIVE SOUTH FROM BUCKSKIN AVENUE

NEVADA POWER CO. DATE  
 CLV CITY ENGINEER (SEWER ONLY) DATE 10-17-91  
 GARY A. PRESSWOOD  
 LVVWD DATE 10-03-91

