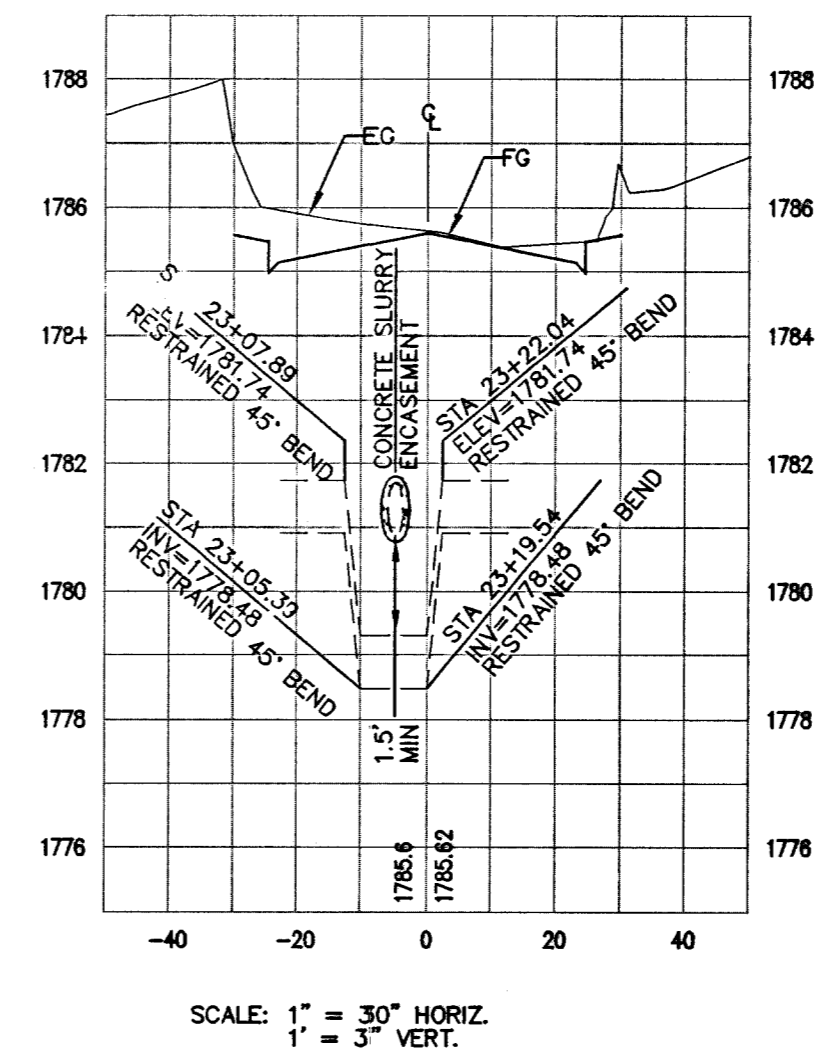


**UTILITY CONSTRUCTION NOTES**

- ① 8" PVC WATER LINE - PUBLIC 478.1 LF
- ② 6" PVC WATER LINE - PUBLIC 125.8 LF
- ③ 8" WATER LINE TEE 1 EA
- ④ 3/4" IRRIGATION METER PER UDACS PLATE 1D W/ 1" RPPA PER UDACS PLATE 11A 1 EA
- ⑤ 2" BLOW OFF VALVE PER UDACS PLATE 4A AND 8" CAP 2 EA
- ⑥ 5/8" WATER METER SERVICE PER UDACS PLATE 1B 18 EA
- ⑦ FIRE HYDRANT ASSEMBLY PER UDACS PLATE 7 2 EA
- ⑧ 8" GATE VALVE - PUBLIC 2 EA
- ⑨ 8" WATER LINE 90° BEND 1 EA
- ⑩ 8" PVC SEWER MAIN - PUBLIC 395.9 LF
- ⑪ 4" SEWER LATERAL 500 LF
- ⑫ 48" SEWER MANHOLE (DCSWCS SD-1) - PUBLIC 2 EA
- ⑬ 8" WATER LINE 45° BEND 6 EA
- ⑭ 8" X 6" REDUCER 1 EA
- ⑮ 300PSI CONCRETE SLURRY ENCASUREMENT PER UDACS SECTION 2.19.02-B 1 CY
- ⑯ 2" BLOW OFF VALVE PER UDACS PLATE 4A AND 8" CAP 1 EA
- ⑰ 8" X 6" TEE 1 EA
- ⑱ 6" GATE VALVE - PUBLIC 1 EA

**EAST VAN BUREN AVENUE WATER AND SEWER LINE CROSSING STATION 23+14.96**



**REDUCED PRESSURE PRINCIPLE ASSEMBLY (1)-1'**

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 ULDISTRIC ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION. ESN.026 REVISED 6/1/04

**PRV NOTES**

PRESSURE REDUCING VALVES REQUIRED FOR ALL LOTS ON THIS PROJECT. THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF ONLY FACILITIES.

**LEGAL DESCRIPTION**

A PORTION OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 29, TOWNSHIP 20 SOUTH, RANGE 62 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA  
 APN: 140-29-101-005  
 APN: 140-29-101-002 PORTION ONLY

**BENCHMARK**

CITY OF LAS VEGAS BENCHMARK 0LV0220SWS  
 NE CORNER OF LAMB BLVD AND OWENS AVE NEAR THE PC OF OWENS AVE (NOT STAMPED)  
 NAVD88 ELEVATION= 546.214 METERS (1792.04 FT)  
 METERS x (1.0936) = U.S. SURVEY FEET  
 1. THE ELEVATIONS SHOWN HEREON ARE BASED ON FEET.

**BASIS OF BEARINGS**

NORTH 02°42'34" EAST - BEING THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 29, TOWNSHIP 20 SOUTH, RANGE 62 EAST, M.D.M., AS SHOWN IN THE OFFICE OF THE CLARK COUNTY, NEVADA RECORDER IN FILE 35 OF SURVEY'S ON PAGE 64.

**FIRE FLOW CALCULATIONS**

FIRE FLOW REQUIREMENT IS 1500 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL  
 BASED ON:  
 SQUARE FOOTAGE: 3800 SF (MAX)  
 LARGEST AREA BETWEEN SEPARATE WALLS: N/A  
 HEIGHT: 2 STORY (35' MAX)  
 TYPE OF CONSTRUCTION: TYPE V-N  
 SPRINKLER SYSTEM: NO  
 OCCUPANCY: SINGLE FAMILY  
 ROOF CONSTRUCTION: TILE  
 NOTE: PLEASE REFER TO SHEET "C2" FOR THE CURRENT CLARK COUNTY FIRE DEPARTMENT NOTES.

**NOTES**

ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.

**APPROVALS**

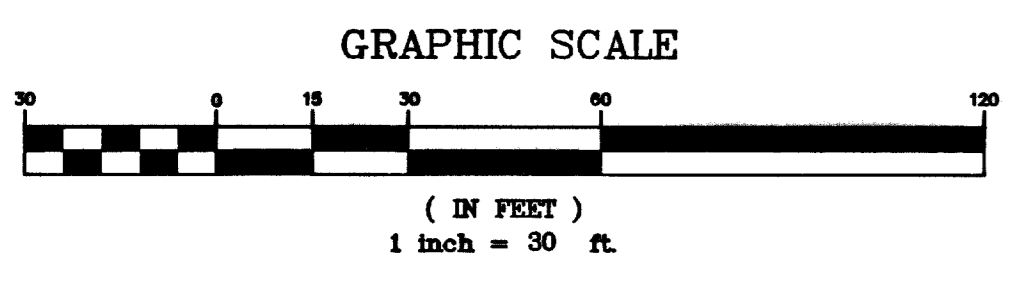
APPROVED FOR CONSTRUCTION  
 [Signature] DATE: 1/24/05  
 LAS VEGAS VALLEY WATER DISTRICT PROJECT # H-97738

CITY OF LAS VEGAS FIRE DEPARTMENT APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS. FIRE FLOW = 1500 G.P.M. AT 20 PSI RESIDUAL. BY: [Signature] 1/30/05

CALL BEFORE YOU DIG. OVERHEAD. 1-800-227-2600. 1-702-227-2721

**DISCLAIMER NOTE**

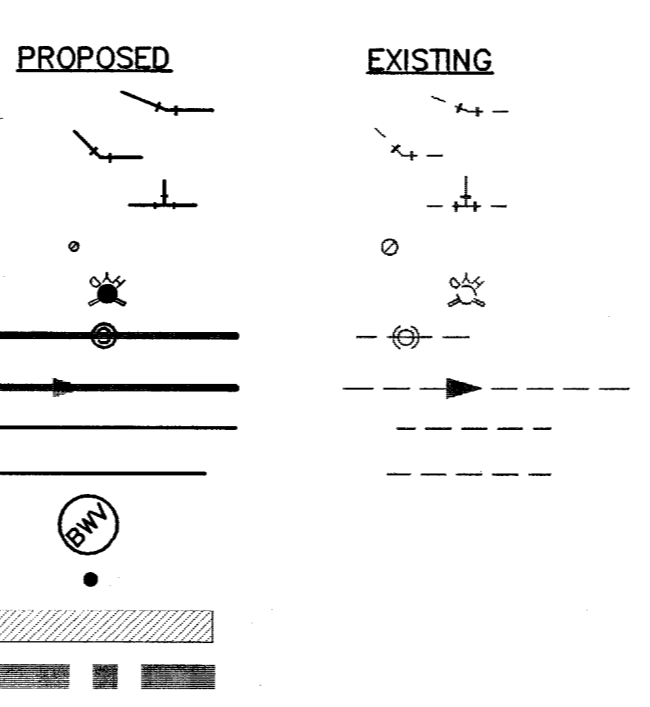
EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. ALL DISCREPANCIES MUST BE IMMEDIATELY REPORTED TO THE ENGINEER. CALL BEFORE YOU DIG. 1-800-227-2600. 10744851



**MANHOLE SCHEDULE**

M.H.#	SIZE	TYPE	STATIONS	OFFSET	RIM EL.	N. INV. EL.	S. INV. EL.	W. INV. EL.	E. INV. EL.	COMMENTS
SSMH 1	48"	STANDARD	6+48.17	31.75 L	1786.82		1782.61		1782.81	
SSMH 2	48"	STANDARD	8+64.34	4.99 L	1787.92			1784.22		

**LEGEND**



REVISIONS

CITATION HOMES  
 6895 EAST LAKE MEADOWS BLVD. #16-126  
 LAS VEGAS, NEVADA 89156  
 702-497-6633 FAX: 702-228-5666

TANNEY ENGINEERING  
 4445 S JONES BLVD. SUITE #1  
 LAS VEGAS, NV 89103  
 (702) 302-8844 FAX: (702) 302-5233

EAST VAN BUREN SINGLY FAMILY  
 CITATION HOMES  
 SINGLE FAMILY HOMES

UTILITY PLAN

ENGINEER'S SEAL  
 ROBERT D. CUNNINGHAM  
 Exp. 12-31-06  
 CIVIL  
 No. 15728

DATE: 10/12/04  
 SCALE: 1" = 30'  
 JOB NO: CTT-03-005  
 DESIGNED BY: RDC/MH  
 DRAWN BY: MH  
 SHEET NAME: U1  
 SHEET: 6 OF 10