

CONSTRUCTION NOTE

ALL EXISTING UTILITY STRUCTURES WITHIN CONSTRUCTION AREA SHALL BE ADJUSTED TO MATCH FINISH GRADE (I.E. WY. BOX, WMH, ANNODE BOX, FH, TEL. BOX, ETC.)

SEWER CONTRIBUTION

AVERAGE FLOW = 0.0126 MGD
PEAK FLOW = 0.0435 MGD

NOTE:

ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING UTILITIES AND SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY ON ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

BASIS OF BEARING

NORTH 61°43'13" WEST, BEING THE CENTERLINE OF EAST STEWART AVENUE AS SHOWN ON A MAP ON FILE AT THE CLARK COUNTY RECORDER'S OFFICE, AS FILE #83, PAGE 68 OF OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

CONSTRUCTION NOTES & ESTIMATE OF QUANTITIES

WATER	
1	14"x14"x8" MECH JT. TAPPING TEE W/8" TAPPING VALVE ... 2 EA.
2	8" PVC WATER MAIN ... 847 LF
3	8" - 90° ELBOW ... 3 EA.
4	2" RPPA, UDACS PLATE NO. 11A ... 2 EA.
5	2" WATER METER, UDACS PLATE NO. 1D ... 2 EA.
6	8" DCCD (FEBCO "N" PATTERN, MODEL NO 876), UDACS PLATE NO. 20B ... 2 EA.
7	8" - 45° ELBOW ... 5 EA.
8	FIRE HYDRANT ASSEMBLY W/BOLLARDS ** ... 3 EA.
9	8" x 8" x 2" SERVICE TAP ... 2 EA.
10	2" GATE VALVE ... 2 EA.
11	2" PVC WATER MAIN ... 115 LF
12	2" PVC 45° ELBOW ... 2 EA.
13	2" PVC 90° ELBOW ... 3 EA.
14	8" - 22 1/2° ELBOW ... 1 EA.
15	8" x 8" x 6" TEE ... 1 EA.
16	6" PVC WATER MAIN ... 42 LF
34	2" SERVICE TAP ... 2 EA.
35	2" - 11 1/4° ELBOW ... 1 EA.
36	14" CUT-IN GATE VALVE ... 1 EA.
SEWER	
17	8" PVC SEWER MAIN ... 125 LF
18	4" DIA. STANDARD MANHOLE ... 2 EA.
19	6" PVC SEWER LATERAL ... 133 LF
20	8" DUCTILE IRON PIPE ... 38 LF
21	6" DUCTILE IRON PIPE ... 25 LF
STREET LIGHT	
26	100 WATT H.P.S. STREET LIGHT ... 1 EA.

LEGEND

- W — EXISTING WATER LINE
- SS — EXISTING SEWER LINE
- EXISTING FIRE HYDRANT
- EXISTING VALVE
- EXISTING MANHOLE
- PROPOSED SEWER LINE
- PROPOSED WATERLINE
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE
- PROPOSED MANHOLE
- CLEANOUT

NOTE:

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. PRVS ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN ACCEPTANCE OF L.V.V.W.D. FACILITIES.

DOUBLE CHECK VALVE ASSEMBLY - 8"

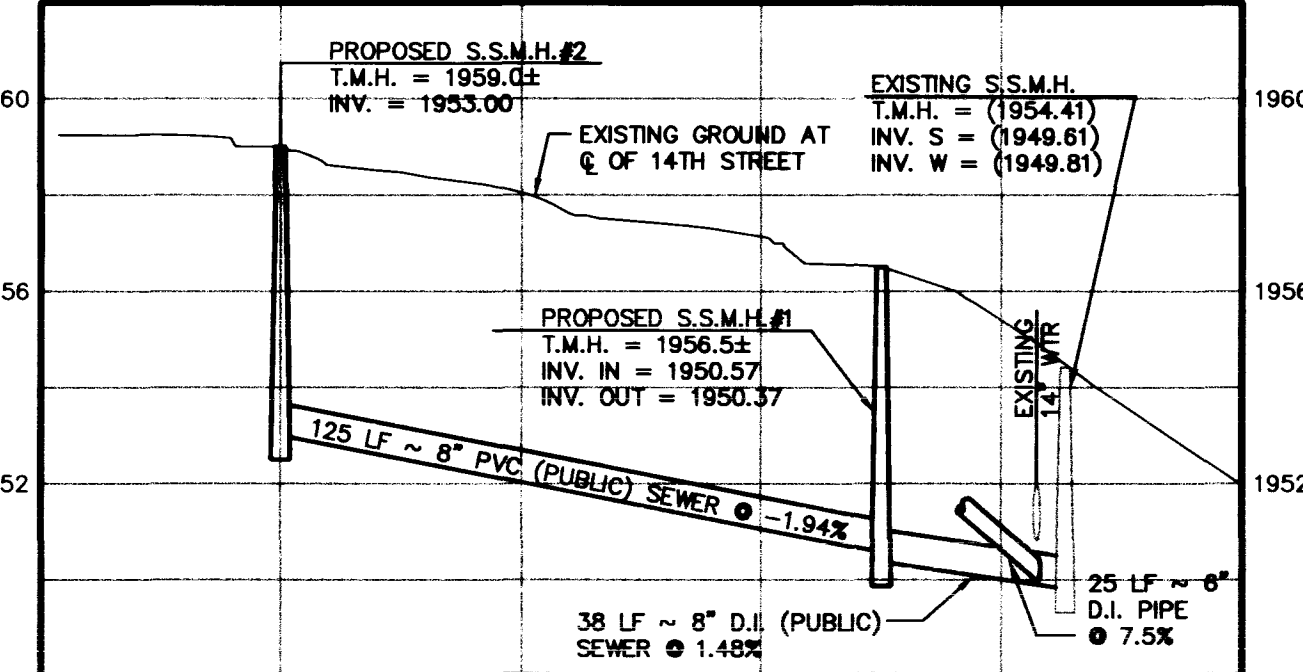
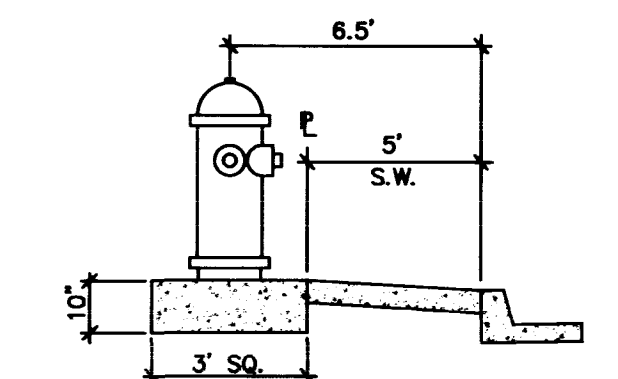
APPROVED DOUBLE CHECK VALVE ASSEMBLY(S) (DCVA) SHALL BE INSTALLED PER THE UDACS STANDARD PLATE NO. 11D. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE DOUBLE CHECK VALVE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVVWD.

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S), SO AS TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

REDUCED PRESSURE PRINCIPLE ASSEMBLY - (2) 2"

APPROVED REDUCED PRESSURE 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 L.V.V.W.D.

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.



SEWER LINE PROFILE AT 14TH STREET

LAS VEGAS FIRE DEPARTMENT

FIRE FLOW IS 2375 GPM AT 20 PSI RESIDUAL PRESSURE
 BASED ON: 68,471 SF
 SQUARE FOOTAGE: 68,471 SF
 AREA BETWEEN 4 HOUR AREA SEPARATION WALLS: 68,471 SF
 BUILDING HEIGHT: 37 FEET
 NUMBER OF STORIES: 3
 OCCUPANCY: SENIOR HOUSING
 FULL AUTOMATIC FIRE SYSTEM: YES
 TYPE CONSTRUCTION: V-1 HR

CITY FIRE MARSHALL DATE 12-1-98

APPROVAL

APPROVED FOR CONSTRUCTION
 [Signature] 3/10/99
 LAS VEGAS VALLEY WATER DISTRICT DATE

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD 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.

Call before you Dig
 1-800-227-2600
 Call before you Overhead
 1-702-595-6111

NEVADA H.A.N.D.
 1405 S. CHANDLER AVENUE, SUITE 16
 LAS VEGAS, NEVADA 89102-0650
 (702) 736-3345

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 535 East Paradise Lane, Suite 200
 Las Vegas, NV 89102
 (702) 798-7978
 (702) 491-2288 FAX

MASTER UTILITY PLAN
STEWART PINES SENIOR APARTMENT COMPLEX

SCALE: 1"=30'
5 OF 7 SHEETS
DRAWING NO. 107-V2976

