

UTILITY NOTES:

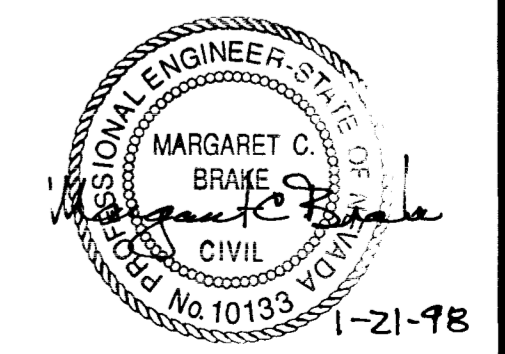
- ① - 8" PVC SANITARY SEWER LINE
- ② - 6" PVC WYE, THE PLUMBING CONTRACTOR SHALL COORDINATE THE CONNECTION TO SANITARY SEWER WITH BUILDING SEWER LATERALS, SEE PLUMBING DRAWINGS
- ③ - 6" X 8" TAPPING TEE AND VALVE
- ④ - INSTALL 48" SANITARY SEWER MANHOLE PER DCS STD DWG SD-1
- ⑤ - INSTALL 2-2" WATER METERS PER UDACS PLATE 1D
- ⑥ - INSTALL 4" GATE VALVE
- ⑦ - INSTALL 8" DUCTILE IRON TEE W/THRUST BLOCK
- ⑧ - INSTALL 8" DUCTILE IRON ELL (90°) W/THRUST BLOCK
- ⑨ - INSTALL 8" WATER MAIN AWWA C-900 CLASS 150 W/3.5' MIN BURIAL DEPTH
- ⑩ - INSTALL 8" X 6" DUCTILE IRON TEE W/THRUST BLOCK
- ⑪ - INSTALL 6" WATER MAIN FOR FIRE PROTECTION, AWWA C-900 CLASS 150
- ⑫ - REMOVE CAP AND BLOWOFF AND CONNECT PROPOSED 8" WATER LINE TO EXISTING 8" WATER LINE
- ⑬ - INSTALL 4" SERVICE LINE FOR DOMESTIC SERVICE, AWWA C-900 CLASS 150
- ⑭ - INSTALL 8" TAPPING SLEEVE & VALVE
- ⑮ - INSTALL 4" DUCTILE IRON 90° ELL W/THRUST BLOCK
- ⑯ - INSTALL 8" X 6" REDUCER
- ⑰ - INSTALL 6" PVC CONDUIT FOR LANDSCAPING
- ⑱ - INSTALL FIRE HYDRANT PER UDACS PLATE NO 7
- ⑲ - LVWVD 10' X 20' EASEMENT
- ⑳ - INSTALL BOLLARDS PER DETAIL M SHEET 17 (C7.03)
- ㉑ - INSTALL 2" RPPA'S PER UDACS PLATE 11A
- ㉒ - INSTALL 8" DOUBLE CHECK DETECTOR ASSEMBLY PER UDACS PLATE 20B
- ㉓ - INSTALL 2 - 2" CORPORATION STOPS AND SERVICE LATERALS PER UDACS PLATE 1D
- ㉔ - INSTALL 6" PVC SANITARY SEWER LINE @ 1.0% MIN.
- ㉕ - INSTALL 4" STEEL GAS LINE (BY SOUTHWEST GAS)

QUANTITIES:

1995 LF
14 EA
3 EA
6 EA
4 EA
1 EA
3 EA
9 EA
2420 LF
9 EA
230 LF
1 EA
7 EA
1 EA
780 LF
4 EA
2 EA
16 EA
4 EA
2 EA
4 EA
365 LF
476 LF

APPROVED

 LAS VEGAS VALLEY WATER DISTRICT
 DATE 1-21-98



UTILITY 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 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
 UNDERGROUND SERVICE (604)

BASIS OF BEARINGS
 NORTH 01°04'56" WEST, BEING THE CENTERLINE OF SEAFORTH AVENUE PER FILE 74 OF SURVEYS, PAGE 78, CLARK COUNTY, NEVADA RECORDER'S CUMULATIVE MAP INDEX.

PROJECT BENCHMARK
 CITY OF LAS VEGAS BENCHMARK #LV00-9NEEG: A RIVET & PLATE IN TOP OF CEMENT ELECTRICAL VAULT PAD, WEST SIDE BUFFALO, 100FT. SOUTH OF CONSTANTINOPLE AVENUE.

ELEVATION = 714.1225 METERS (NAVD 88)
 2342.917 FEET (NAVD 88)

FIRE FLOW CALCULATION
 FIRE FLOW REQUIREMENT IS 2,625 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.
 BASED ON:
 SQUARE FOOTAGE: 148,569 (6 BLDGS.) SQUARE FEET
 LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: 62,034 SQUARE FEET
 BUILDING HEIGHT: 9 FEET
 NUMBER OF STORIES: 1 FLOOR
 TYPE OF CONSTRUCTION: II-N & II-1H
 OCCUPANCY: A-2.1, A-3, B-2, E-1
 FULL AUTOMATIC FIRE SPRINKLER SYSTEM:
 YES
 REVIEWED BY: MARGARET C. BRAKE
 DATE: 1/20/97

REDUCED PRESSURE PRINCIPLE ASSEMBLY - 2" (4 ea.)
 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 LVWVD.
 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.

INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY - 8" (2 ea.)
 THE DOUBLE CHECK DETECTOR ASSEMBLY(S) SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE 20B.
 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.

SANITARY SEWER CONTRIBUTION
 AVERAGE DAILY FLOW = 23,750 GAL
 PEAK DAILY FLOW = 45,125 GAL

SUMMIT ENGINEERING CORPORATION
 CONSULTING ENGINEERS AND SURVEYORS
 165 SOUTH MAIN ST., LAS VEGAS, NEVADA 89101
 PHONE: (702) 252-2238 FAX: (702) 252-3347

DESIGNED BY: W.T.M.
 DRAWN BY: W.T.M.
 CHECKED BY: R.D.C.
 SEPT. 26, 1997

IRWIN MOLASKY MIDDLE SCHOOL
 CCSD #0663
 UTILITY PLAN - SEWER & WATER

REV.	DATE	DESCRIPTION	BY	APP'D
1	5/12/98	APPROVED 8" GATE VALVE	EA	W/T
2	5/11/98	APPROVED 8" GATE VALVE	EA	W/T

SHEET 11 OF 20
 SCALE: 1" = 40'
 JOB NO. 71362
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