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1-800-227-2600

UNDERGROUND SERVICE (USA)

REDUCED PRESSURE PRINCIPLE ASSEMBLY (2)-2"

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 UNTILL 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.

DOUBLE CHECK DETECTOR ASSEMBLY (DCDA) (1)-8"

THE DOUBLE CHECK DETECTOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH UDACS PLATE NO. 11C. 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.

EASEMENT WITH TREES, SHRUBS, DECORATIVE ROCKS, BLOCK WALL, OR FENCE

TREES, SHRUBS, OR DECORATIVE ROCKS, AND ANY BLOCK WALL OR OTHER FENCE MATERIAL, SHALL BE DESIGNED AND CONSTRUCTED AROUND THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS TO THE VAULT(S), BACKFLOW ASSEMBLIES, AND PIPING FROM THE ADJACENT RIGHT-OF-WAY.

UTILITY CROSS SECTION

NOTE:
SEE SHEET 3 FOR
CL.V. UTILITY NOTES.

OWNER/DEVELOPER

PHGSA, LLC
3111 S. MARYLAND PARKWAY
LAS VEGAS, NEVADA 89109

BENCHMARK

CITY OF LAS VEGAS BENCH MARK # USC&GS 27 P314
USC&GS CAP SOUTH SIDE OF BONANZA ± 350 FEET WEST OF MAIN
STAMPED P314 1965 (THIS IS AN NDOT DISK)

NAVD '88 DATUM
ELEVATION = 615.5679 METERS
ELEVATION = 2019.58 U.S. SURVEY FEET

BASIS OF BEARING

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CENTERLINE OF GRAND CENTRAL PARKWAY, BETWEEN "T" STREET AND THE UNION PACIFIC RAILROAD WHICH BEARS, SOUTH 74°18'09" WEST, AS PER MAP RECORDED IN BOOK 53, PAGE 61 OF PLATS IN OFFICE OF THE CLARK COUNTY, NEVADA RECORDER, SITUATED IN THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 27, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M.

LEGEND

- EXIST. GAS MAIN
- EXIST. SEWER MAIN
- EXIST. WATER MAIN
- PROP. SEWER MAIN
- PROP. WATER MAIN
- PROP. WATER SERVICE LATERAL
- PROP. SEWER SERVICE LATERAL
- EXIST. SEWER MANHOLE
- PROP. SEWER MANHOLE
- EXIST. FIRE HYDRANT W/ASSEMBLY
- PROP. FIRE HYDRANT W/ASSEMBLY

ESTIMATE OF QUANTITIES

8" PVC SEWER	396 LF
6" PVC SEWER	86 LF
48" MANHOLE	3 EA
8" PVC WATER	1264 LF
3" PVC WATER	249 LF
FIRE HYDRANT	3 EA
2" METER & RPPA	2 EA
8" DETECTOR CHECK	1 EA

SEWER MANHOLE CONTROL TABLE

M.H. NO.	DIA.	TOP OF M.H.	INV.(IN)	INV.(OUT)
#1	48"	2030.4	2012.65	2012.55
#2	48"	2029.4	2016.28	2016.18
#3	48"	2027.6	2021.11	2021.11

UTILITY INFORMATION

SEWAGE GENERATED: AVG. FLOW = 0.033 MGD
PEAK FLOW = 0.115 MGD

WATER PRESSURE ZONE: 2168 PZ

FIRE FLOW DATA

BUILDING HEIGHT (IN FEET) 72'
OCCUPANCY CLASSIFICATION GROUP B
CONSTRUCTION CLASSIFICATION II-FR
TOTAL FLOOR AREA OF ALL LEVELS 84,201 SQ.FT.
FLOOR AREA OF THREE LARGEST SUCCESSIVE FLOORS 58,980 SQ.FT.
ESTIMATED FIRE FLOW 2438 GPM
(BUILDING IS PROTECTED BY SPRINKLER SYSTEM)

CONSTRUCTION NOTES

- INSTALL FIRE HYDRANT W/ASSEMBLY (PER UDS PLATE NO. 7)
- INSTALL 8"x8"x8" TEE W/THRUST BLOC (PER UDS PLATE NO. 5)
- INSTALL 45° ELBOW W/THRUST BLOC (PER UDS PLATE NO. 3 & 8)
- INSTALL 90° ELBOW W/THRUST BLOC (PER UDS PLATE NO. 3 & 8)
- INSTALL 8" GATE VALVE (PER UDS PLATE NO. 3 & 8)
- INSTALL 2" METER (PER UDS PLATE NO. 10)
- INSTALL CAP W/2" BLOW-OFF ASSEMBLY (PER UDS PLATE NO. 4)
- INSTALL 2" RPPA (PER UDS PLATE NO. 11A)
- INSTALL 8" DOUBLE CHECK DETECTOR ASSEMBLY (PER UDS PLATE NO. 10)
- INSTALL 10"x8"x8" TEE W/THRUST BLOC (PER UDS PLATE NO. 5)
- CONNECT 10" PVC WATER USING 10"x10"x10" TEE AND 90° ELBOW

APPROVAL

CITY FIRE MARSHAL

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT

PHGSA, LLC.

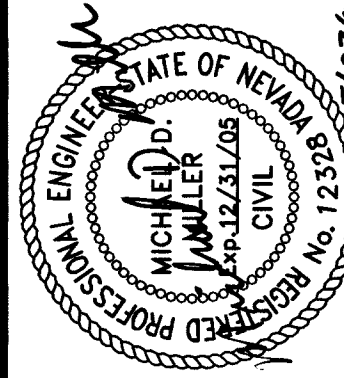
3111 S. MARYLAND PARKWAY
LAS VEGAS, NEVADA 89109

DESIGNING FOR THE FUTURE
PLANNERS • CONSULTING ENGINEERS • SURVEYORS
1000 WHITNEY RANCH DRIVE • HENDERSON, NEVADA 89014 • (702) 248-6445

UTILITY PLAN

IRS DISTRICT OFFICE

SHEET	DATE	BY	CHECKED BY	PROJECT NO.	SCALE
03/03	03/03	03/03	03/03	122764	1"=40'



SHEET
C5
5 OF 8 SHEETS
DRAWING NO.
10TV3860