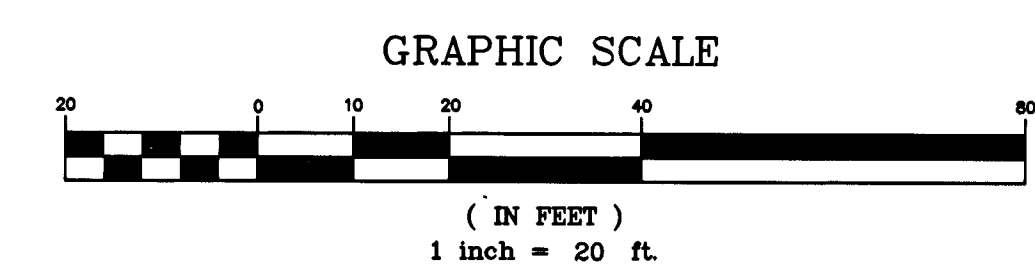
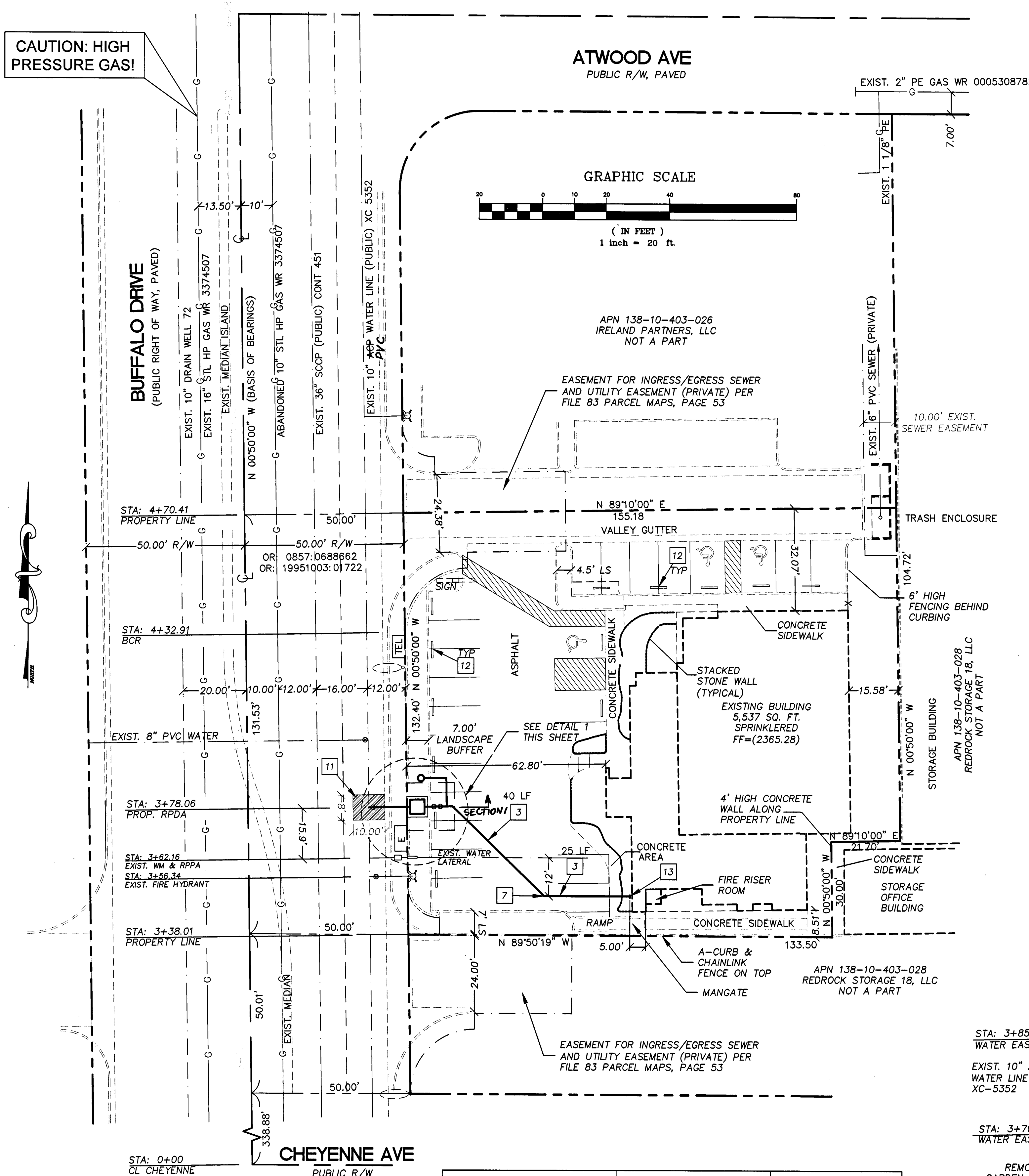


CAUTION: HIGH PRESSURE GAS!



WARNING FIRE LINE

(NON-POTABLE WATER)
ALL EXISTING, RELOCATED OR PROPOSED DCDA/RPDA INSTALLATIONS TO COMPLY WITH THE FEDERAL SAFE DRINKING WATER ACT, THE FIRE LINE, OR ANY OF ITS COMPONENTS, SHALL NOT BE USED FOR POTABLE DRINKING WATER AT ANY TIME.

BASIS OF BEARING

NORTH 00° 50' 00" WEST BEING THE CENTERLINE OF BUFFALO DRIVE AS SHOWN PER THAT MAP RECORDED IN FILE 83 OF PARCEL MAPS, PAGE 53, CLARK COUNTY RECORDS, NEVADA.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK 5LV00 15NWS
CITY OF LAS VEGAS RIVET AND PLATE IN TOP OF CURB AT SOUTHEAST CORNER OF CHEYENNE AVENUE AND BUFFALO DRIVE
METERS 721.7606 US SURVEY FEET 2367.98
NAVD 88 DATUM

RPDA (I) 6"

THE REDUCED PRESSURE DETECTOR ASSEMBLY SHALL BE INSTALLED IN ACCORDANCE WITH UDACS PLATE 56. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVVWD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF EASEMENT(S), SO AS TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

UTILITY NOTES AND QUANTITIES

THE QUANTITY ESTIMATES SHOWN HEREON ARE APPROXIMATE AND NO ONE IS TO RELY UPON THEM FOR PAY QUANTITIES

		UNITS	PUBLIC	PRIVATE
WATER				
1	INSTALL 10"x6" TAPPING SLEEVE W/ 6" TAPPING VALVE PER UDACS 2.24.01 (A) PLATES 30, 34 AND 39	EA	1	—
2	INSTALL 6" PVC WATER LINE	LF	13	—
3	INSTALL 6" C-900, PRESSURE CLASS 305 WATER LINE	LF	—	88
4	INSTALL 6" CHECK VALVE	EA	—	1
5	INSTALL 6" RPDA PER UDACS PLATE 56 WITH VALVE LOCK	EA	1	—
6	INSTALL 6" GATE VALVE PER UDACS PLATE 30 AND 39	EA	2	—
7	INSTALL 6" 45 DEG BEND PER UDACS PLATE 31	EA	—	1
8	INSTALL 6" 90 DEG BEND PER UDACS PLATE 31	EA	—	1
9	INSTALL 6"x6" TEE AND A THRUST BLOCK PER UDACS PLATE 31	EA	—	1
10	FIRE DEPARTMENT CONNECTION	EA	—	1
11	TRENCHING PER UDACS PLATE 17, CCAUSD 501, 503.1, PAVEMENT RESTORATION PER CCAUSD 500.5	—	—	—
12	INSTALL WHEEL STOP	EA	—	11
13	FOR CONTINUATION, PLEASE REFER TO PLUMBING PLANS AND FIRE SPRINKLERS DESIGN	—	—	—
14	INSTALL BOLARDS FOR VEHICULAR PROTECTION PER UDACS PLATE 75	EA	—	3

UTILITY NOTES

- ALL EXISTING UTILITY STRUCTURES WITHIN CONSTRUCTION AREA SHALL BE ADJUSTED TO MATCH FINISH GRADE (I.E. WV, BOX, WMH, ANODE BOX, FH, TEL BOX, ETC.).
 - 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.
 - REPLACE ALL TRAFFIC AND CONTROL DEVICES, (SIGNS OR PAVEMENT MARKINGS) UNDER CLARK COUNTY'S JURISDICTION, THAT ARE DISTURBED, DESTROYED, MOVED OR MODIFIED BY TRENCHING ACTIVITY TO CLARK COUNTY'S SATISFACTION. ALL MATERIAL USED SHALL MEET CLARK COUNTY'S SPECIFICATIONS OR WILL BE AN APPROVED EQUIVALENT.
 - THE DISTRICT CANNOT GUARANTEE A WATERTIGHT SHUTDOWN WHERE CONNECTIONS OR REPAIRS TO EXISTING FACILITIES IS REQUIRED. THE CONTRACTOR SHALL ENSURE ALL LABOR AND EQUIPMENT IS AVAILABLE TO REMOVE FUGITIVE WATER THAT MAY IMPEDE CONSTRUCTION AT ALL TIMES. COORDINATION WITH INSPECTION DIVISION MUST TAKE PLACE PRIOR TO ANY TRIAL SHUTDOWN.
- CONTRACTOR TO INSTALL TEMPORARY SERVICE TO ENSURE PROPER SHUTDOWN IN THE EVENT NO OTHER APPURTENANCES ARE AVAILABLE.

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

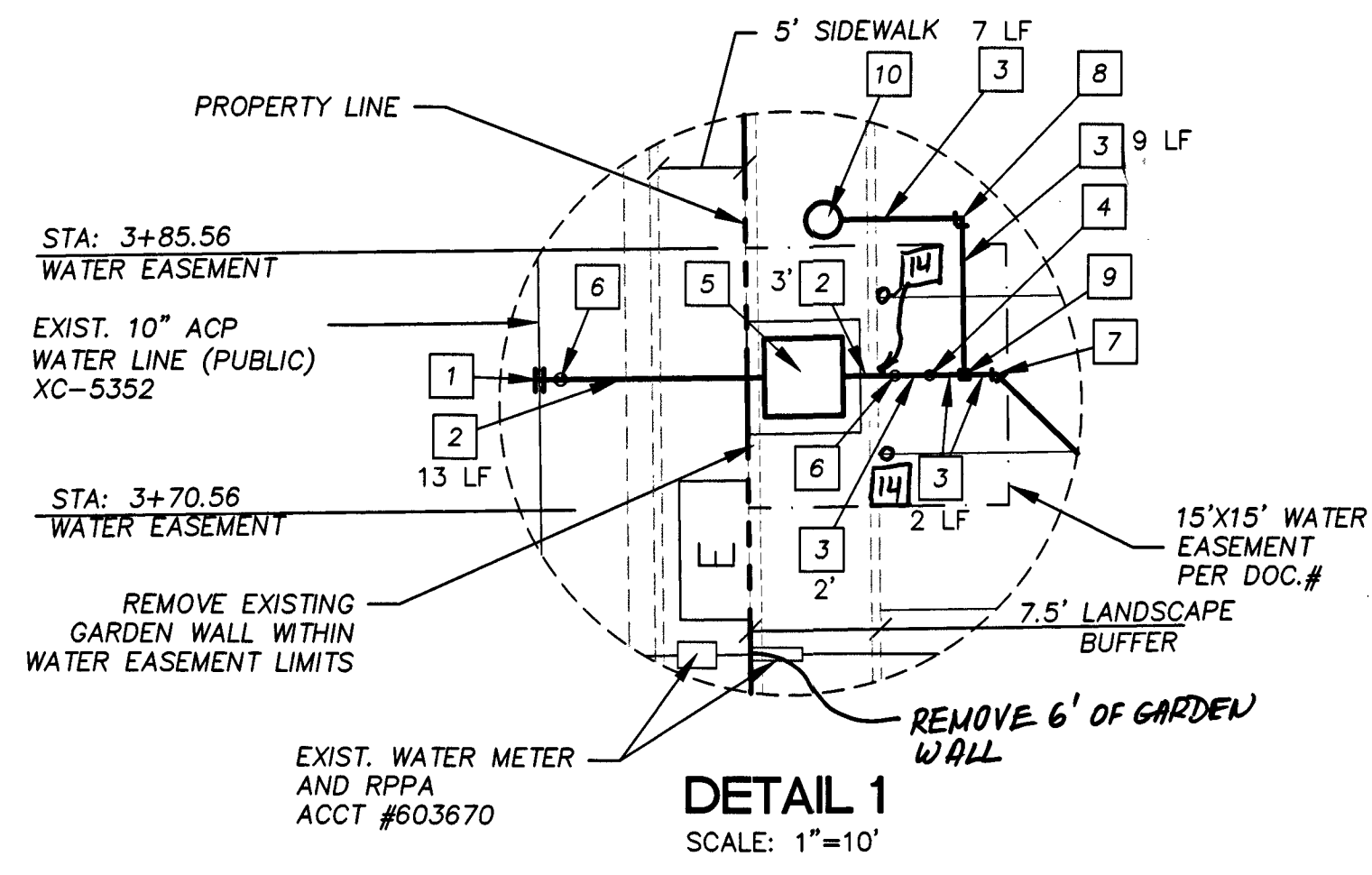
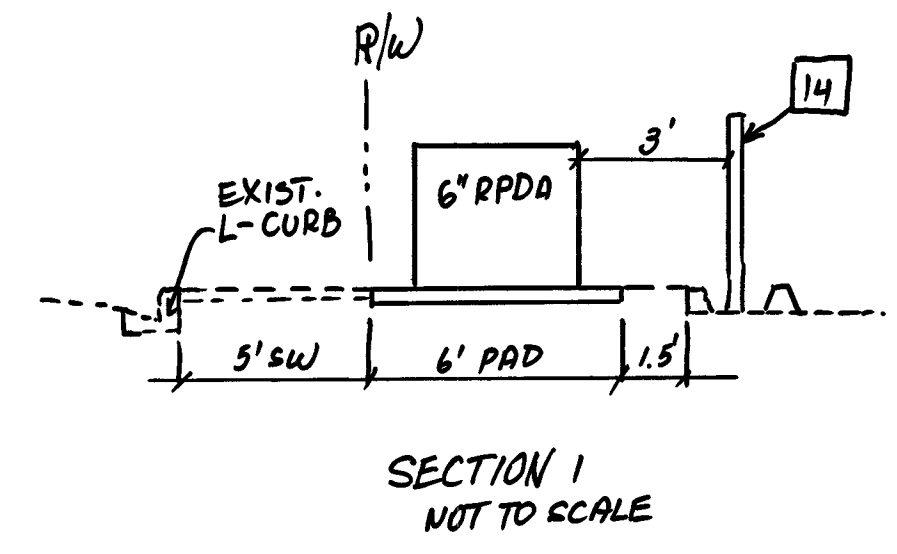
TREES, SHRUBS, OR DECORATIVE ROCKS, AND ANY BLOCK WALL OR OTHER FENCE MATERIAL, SHALL BE DESIGNED AND CONSTRUCTED AROUND THE EASEMENTS TO ALLOW THE DISTRICT DIRECT ACCESS TO THE VAULT(S), BACKFLOW ASSEMBLIES, AND PIPING FROM THE ADJACENT RIGHT-OF-WAY. MAINTAIN 2% MAX SLOPE WITHIN THE EASEMENT.

FIRE FLOW CALCULATIONS

OCCUPANCY - B
TYPE OF CONSTRUCTION (IBC) - V-B
FIRE FLOW 1,500 GPM
AUTOMATIC FIRE SPRINKLERS - NFPA 13 (600 GPM)
SQUARE FOOTAGE - 5,537
LARGEST AREA BETWEEN 4 HOUR WALLS - 5,537
NUMBER OF STORIES INCLUDING BASEMENT - 1
MAX HEIGHT - 20 FEET
HIGH PILED STORAGE - NO
NUMBER OF HYDRANTS - 1

SWG CONSTRUCTION NOTE:

CALL SOUTHWEST GAS AT 702-400-1789 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES.



APPROVED FOR CONSTRUCTION

[Signature]
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT No. 136216 FIRST APPROVED DATE: 3-26-19
LVVWD APPROVED FIRE FLOW: 1,500 GPM / ON-SITE: 0 GPM
FIRE SPRINKLER DEMAND: 600 GPM

APPROVALS

[Signature] 2/12/19
CLV FIRE AND RESCUE DATE
[Signature] 2/12/19
SOUTHWEST GAS CORPORATION DATE

Call before you Dig
Call 811
OR 1-800-227-2600

FAST
Call before
UnderGround
1-702-432-5300
FREEMAN AND ARTERIAL
SYSTEM OF TRANSPORTATION

Avoid Hitting Overhead
Powerlines. It's Costly.
Call Before You OverHead
1-702-227-2929

DESIGNED BY: PB
CHECKED BY: PB
DATE: 02/11/19
JOB #: 18-LVSPC
APN: 138-10-403-027
SECT 10 T 205R 60E
SCALE: HORIZ 1" = 20'

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PETYA BALOVA
Exp. 12-31-20
CIVIL
No. 16480
02-11-19

SHEET #
C3
3 OF 3
L19-00010
107V7676

BALOVA ENGINEERING
7495 WEST AZURE DR. # 140
LAS VEGAS, NV 89130
TEL 702-692-1706

LAS VEGAS SPINE AND PAIN CENTER
UTILITY PLAN
3270 N. BUFFALO DRIVE
LAS VEGAS, NV 89129

PROJ# 136216A QS-138-10-SW