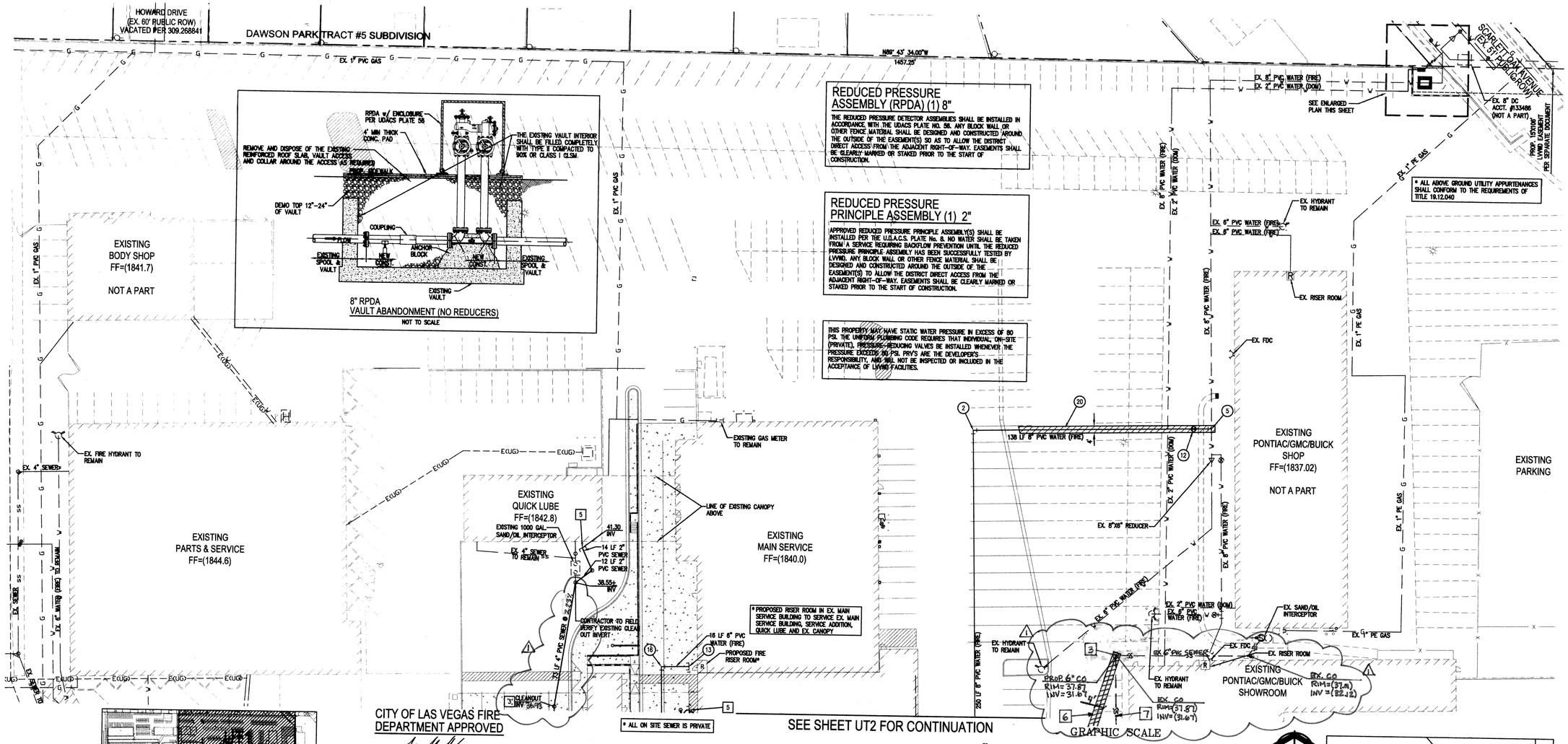


8" RPDA
VAULT ABANDONMENT (NO REDUCERS)
NOT TO SCALE

REDUCED PRESSURE ASSEMBLY (RPDA) (1) 8"

THE REDUCED PRESSURE DETECTOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE NO. 58. 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. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

REDUCED PRESSURE PRINCIPLE ASSEMBLY (1) 2"

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE U.D.A.C.S. PLATE No. 8. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY LVWID. 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. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

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 LVWID FACILITIES.

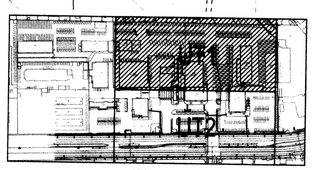
CITY OF LAS VEGAS FIRE DEPARTMENT APPROVED

14 Sep 10
DATE

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR ANY APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS. FIRE FLOW: 2875 GPM AT 20 P.S.I. RESIDUAL.

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER 360 WORKS 11/8/10
PROJECT #116582
DATE

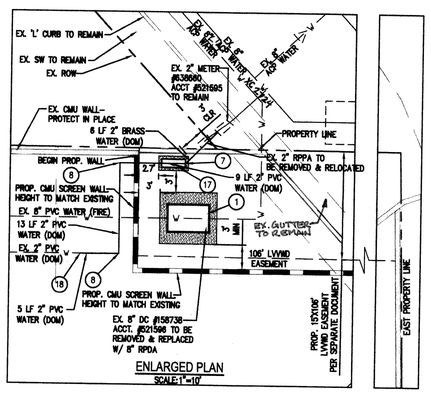


KEY PLAN
SCALE: NONE

LEGEND

	EXISTING	PROPOSED
RIGHT-OF-WAY		
PROPERTY LINE		
STREET CENTER LINE		
BUILDING		
CURB & GUTTER		
EDGE OF PAVEMENT		
FENCE/RETAINING WALL		
SEWER LINE	SS	8" SEWER
WATER LINE	W	8" WATER
SEWER CLEAN OUT	SS	8" SEWER
SEWER MANHOLE	SS	8" SEWER
WATER VALVE		
WATER LINE CAP	W	8" WATER
SEWER LINE CAP	SS	8" SEWER
FIRE HYDRANT		
GAS LINE	G	
OVERHEAD ELECTRICAL	E(OH)	
UNDERGROUND ELECTRICAL	E(UG)	
STORM DRAIN	sd	

125070
125381



ENLARGED PLAN
SCALE: 1"=10'

○ WATER CONSTRUCTION NOTES:

1. REMOVE EX. DCV & REPLACE WITH 8" RPDA PER UDACS PLATE #56-SEE DETAIL THIS SHEET
2. INSTALL 8" 90° BEND PER UDACS PLATE #31
3. INSTALL 8" 45° BEND PER UDACS PLATE #31
4. INSTALL 8"X6" TEE PER UDACS PLATE #31
5. INSTALL 8" TEE PER UDACS PLATE #31
6. INSTALL 2" TEE
7. INSTALL 2" 45°
8. INSTALL 2" 90°
9. INSTALL 2" 22.5° BEND
10. INSTALL 2" 11.25° BEND
11. INSTALL 2" GATE VALVE
12. INSTALL 6" GATE VALVE PER UDACS PLATE #30 & #39
13. SEE PLUMBING PLANS FOR CONTINUATION
14. INSTALL 2"X1" REDUCER
15. INSTALL FIRE HYDRANT PER UDACS PLATE #40
16. INSTALL 6" 90° BEND PER UDACS PLATE #31
17. INSTALL 2" RPPA PER UDACS PLATE #8
18. REMOVE FITTING AND CONNECT TO EXISTING 2" WATER
19. RELOCATED VEHICLE PROTECTION BOLLARD INSTALLED PER UDACS PLATE #75
20. UTILITY TRENCH PER UDACS PLATE #17-AC THICKNESS TO MATCH EXISTING
21. CONNECT TO EXISTING 8" WATER
22. INSTALL 8"X8" REDUCER PER UDACS PLATE #30
23. INSTALL 1" 90° BEND
24. CONCRETE ENCASE SEWER MAIN 10' E.S. OF CROSSING PER UDACS 2.22.02.B3
25. INSTALL 1" RPPA PER UDACS PLATE #8
26. INSTALL 6" 90° & 11.25° BEND PER UDACS PLATE #31

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR CONSTRUCTION, A COMMITMENT TO SUPPLY WATER AND/OR SEWER SERVICE, OR AN APPROVAL OF ANY VIOLATION OF LVWSD WATER AND/OR SEWER SERVICE RULES AND REGULATIONS OR DESIGN AND CONSTRUCTION STANDARDS.

* PER SEPARATE PLANS

□ SEWER CONSTRUCTION NOTES:

1. INSTALL 48" SEWER MANHOLE PER DCSWCS SD1-A
2. INSTALL 6" WYE CONNECTION PER DCSWCS SD-22
3. INSTALL 6" CLEAN OUT PER DCSWCS SD-26
4. INSTALL 2000 GAL SAND/OIL INTERCEPTOR- SEE PLUMBING PLANS FOR MORE INFORMATION
5. SEE PLUMBING PLANS FOR CONTINUATION
6. SEWER PIPE TRENCH PER DCSUCS SD-17
7. ABANDON PER DCSWCS SEC. 3.18

DISCLAIMER NOTE

EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDER- GROUND 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.

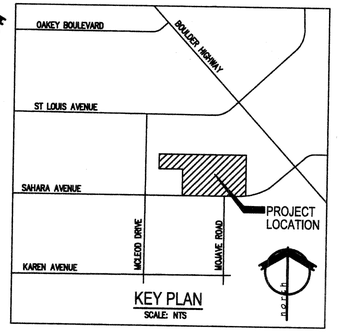
AVOID OVERHEAD POWER LINE CONTACT. IT'S COSTLY.
Call before you OVERHEAD
1-702-227-2929
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig
Avoid cutting underground utility lines, we'll help.
Call 811
OR
1-800-227-2600
OR
CLARK COUNTY WATER RECLAMATION DISTRICT
1-702-455-7544

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS IT'S COSTLY
CALL BEFORE YOU DIG UNDERGROUND
Call before you UnderGround
1-702-455-7011
CLARK COUNTY TRAFFIC OPERATIONS
OR
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

FIRE FLOW DATA - UFC APPENDIX III-A as amended

	EX. QUICK LUBE, EX. SERVICE BUILDING, NEW SERVICE ADDITION, EX. CANOPY	*CHEVY SHOWROOM (FUTURE), *CANOPY (FUTURE), SERVICE WRITERS, CANOPY
BUILDING HEIGHT	25'-6"	45'
OCCUPANCY CLASSIFICATION	S-1	B
CONSTRUCTION CLASSIFICATION	TYPE V-B	TYPE II-B
FLOOR AREA:		
EX. QUICK LUBE	3,186 SF	*CHEVY SHOWROOM (FUTURE) 64,000 SF
EX. SERVICE BUILDING	15,973 SF	*CANOPY (FUTURE) 1,400 SF
NEW SERVICE ADDITION	9,848 SF	SERVICE WRITERS 1,493 SF
EX. CANOPY	1,759 SF	CANOPY 5,971 SF
TOTAL	30,766 SF	TOTAL 72,864 SF
FLOORS	1	2
HIGH PILE STORAGE	NO	NO
SPRINKLERED	YES	YES
ESTIMATED FIRE FLOW	2375 GPM	*2875 GPM



KEY PLAN
SCALE: NTS

BASIS OF BEARING

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 1, T. 21 S., R. 61 S., M.D.M. TAKEN AS N88°51'15"W AS SHOWN ON PARCEL MAP BOOK 114, PAGE 13, RECORDED IN THE OFFICIAL RECORDS OF CLARK COUNTY, NEVADA ON JUNE 14, 2007.

LEGAL DESCRIPTION

BEING LOT 1 OF PARCEL MAP BOOK 114, PAGE 13 LYING WITHIN A PORTION OF THE (SE 1/4) OF SECTION 1, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA.

BENCHMARK

BEING CITY OF LAS VEGAS BENCHMARK 8C111S4 A RIVET & PLATE IN TOP OF CURB @ NE CORNER OF SAHARA AVENUE & MCLEOD DRIVE, TAKEN AS ELEVATION 564.85750 (METERS), NAVD88 1853.20 FEET.

Service Building Addition
Construction Documents

3105 and 3120 East Sahara Ave
Las Vegas, Nevada 89104

APTUS
1200 South 4th Street
Suite 206
Las Vegas, Nevada 89104
P 702.839.1200
F 702.839.1213

APTUS PROJECT NO. 10.069

ARCHITECT

ENGINEER

NEVADA PROFESSIONAL ENGINEER-S.E. CORPORATE SEAL
CHRISTOPHER M. BROWN
Exp: 12/31/2010
CIVIL
No. 18059
11.4.10

NOTES

COPYRIGHT 2010 © BY APTUS

NO.	DESCRIPTION	DATE
1	SEWER LINE REVISION (KB 1/31/11)	1-3-11

ISSUED

TITLE
UTILITY PLAN I

H39923
107V5521-BAD

DRAWING NO.

SHEET 8 OF 12

UT1