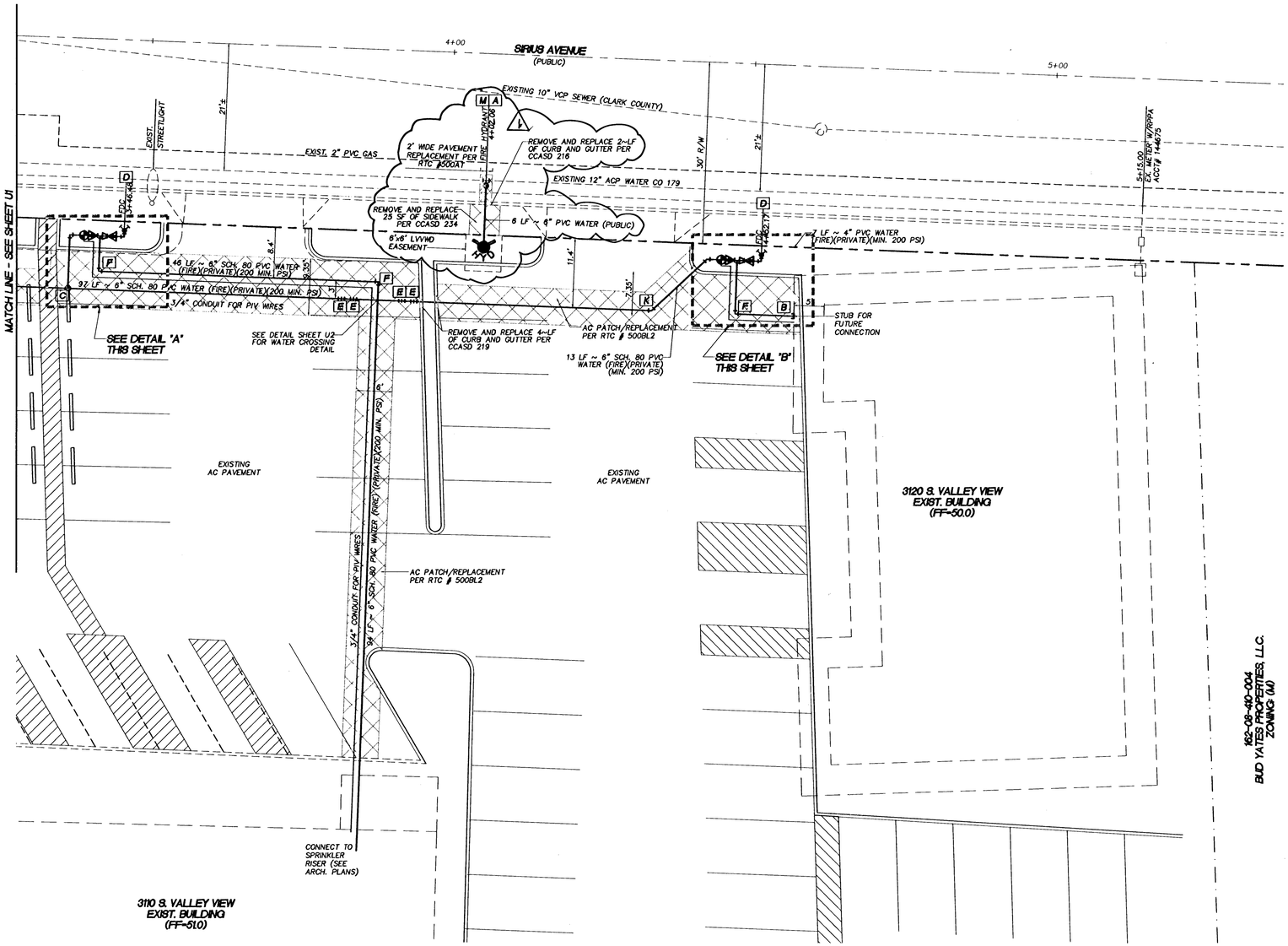
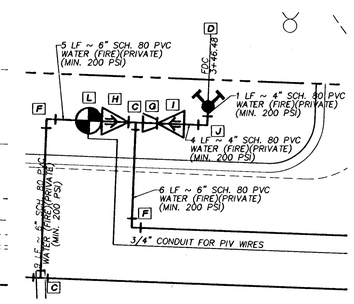
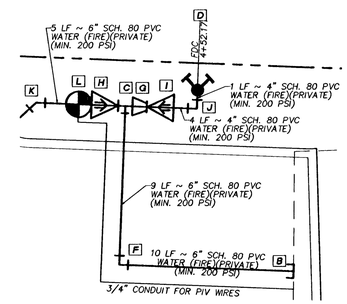




PIV - FDC CONSTRUCTION DETAIL 'A'
SCALE: 1" = 4'



PIV - FDC CONSTRUCTION DETAIL 'B'
SCALE: 1" = 4'

NORTH

1" = 10'

LEGEND:

- PROPOSED PVC SEWER MAIN WITH 4' MANHOLE (SIZE AS SHOWN)
- PROPOSED PVC WATER MAIN AND GATE VALVE (SIZE AS SHOWN)
- PROPOSED FIRE HYDRANT ASSEMBLY
- EXISTING PVC SEWER MAIN WITH EXISTING MANHOLE
- EXISTING STORM DRAIN MAIN WITH EXISTING MANHOLE
- EXISTING PVC WATER MAIN AND GATE VALVE
- PROPOSED 4" SEWER LATERAL AND CLEANOUT
- PROPOSED WATER SERVICE LATERAL WITH METER
- EXISTING FIRE HYDRANT ASSEMBLY

DISPOSAL OF ASBESTOS CEMENT PIPE SHALL BE IN ACCORDANCE WITH AWWA, LOCAL, STATE AND FEDERAL REGULATIONS

CITY OF LAS VEGAS GENERAL NOTE

"ALL ABOVE GROUND UTILITY APPURTENANCES SHALL CONFORM TO THE REQUIREMENTS OF TITLE 19.12.040."

DISCLAIMER NOTE

EXISTING 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 NO SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATIONS.

NOTIFY ENGINEER IMMEDIATELY IF DESCREPENCIES ARE ENCOUNTERED.

UTILITY NOTES

1. NOTIFY THOMASON CONSULTING ENGINEERS IMMEDIATELY OF ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN THE FIELD.

2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL LOCATE AND VERIFY SIZE, MATERIAL, DEPTH, CONDITION, PRESSURE, AND LOCATION OF ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. THOMASON CONSULTING ENGINEERS SHALL BE CONTACTED ONE THE UTILITIES ARE LOCATED.

3. PLANS MAY NOT INDICATE ALL EXISTING UTILITY LINES. CONTRACTOR IS TO EXERCISE EXTREME CAUTION DURING EXCAVATION IN ORDER TO AVOID DAMAGING ANY EXISTING UTILITY LINES. IF THE UTILITY LINES ARE DAMAGED BY THE CONTRACTOR, SUCH DAMAGE SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.

4. CONTRACTOR TO SAWCUT AND REMOVE EXISTING ASPHALT AND CONCRETE AS NECESARY FOR UTILITY TRENCHES. BACKFILL AND PATCH ALL TRENCHES ACCORDING TO CLARK COUNTY STANDARDS.

5. ALL WATER FACILITIES CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR DISTRIBUTIONS" (UDACS), LATEST EDITION.

6. CONTRACTOR TO FIELD VERIFY LOCATION AND INVERT OF MANHOLE PRIOR TO CONSTRUCTION. THOMASON CONSULTING ENGINEERS SHALL BE CONTACTED ONCE THIS INFORMATION HAS BEEN OBTAINED.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK # 1LV11 8SW16
BEING A RIVET & PLATE IN TOP OF CURB @ THE NORTHEAST CORNER OF VALLEY VIEW AND SIRIUS.

ELEVATION: 655.9883 (FEET)
2152.19 (METERS)

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

BASIS OF BEARING

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE WEST LINE OF THE SOUTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER OF SECTION 8, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M. WHICH BEARS NORTH 02°04'21" WEST AS DETERMINED BY GLOBAL POSITIONING SYSTEM OBSERVATIONS WITH RESPECT TO THE SOUTHERN NEVADA HIGH ACCURACY NETWORK (HARN).

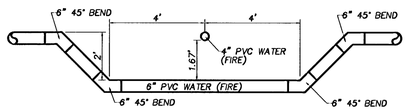
125600

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811 or 1-800-227-2600
AND
CLARK COUNTY TRAFFIC OPERATIONS 1-702-445-7544

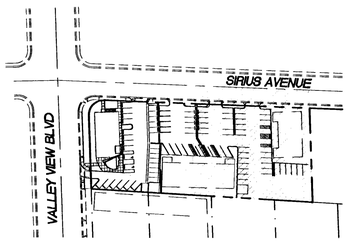
Avoid overhead power line contact.
Call before you Overhead
1-702-227-2929
NEVADA POWER ENVIRONMENT SAFETY SERVICES DEPARTMENT

NEON, NETWORK, UNDERGROUND TRAFFIC SIGNAL, STREET LIGHT, STREET LIGHT POLE/FIBER CONDUIT
Call before you UnderGround
1-702-455-7511
1-702-434-5300

125009



WATERLINE CROSSING DETAIL
SCALE: 1" = 3'



KEYMAP
N.T.S.

WATER CONSTRUCTION NOTES

A	INSTALL FIRE HYDRANT ASSEMBLY PER UDACS STD. PLATE 40
B	INSTALL 6" CAP PER STD. PLATE 31
C	INSTALL 6" TEE WITH THRUST BLOCKS PER UDACS STD. PLATE 31
D	INSTALL FIRE DEPARTMENT CONNECTION (FDC) PER CLV FIRE DEPARTMENT STANDARDS
E	INSTALL 6" 45° VERTICAL BEND WITH THRUST BLOCKS PER UDACS STD. PLATE 31
F	INSTALL 6" 90° BEND WITH THRUST BLOCKS PER UDACS STD. PLATE 31
G	INSTALL 6"X4" REDUCER WITH THRUST BLOCKS PER UDACS STD. PLATE 30
H	INSTALL 6" CHECK VALVE PER UDACS STD. PLATE 39
I	INSTALL 4" CHECK VALVE PER UDACS STD. PLATE 39
J	INSTALL 4" 90° BEND WITH THRUST BLOCKS PER UDACS STD. PLATE 31
K	INSTALL 4" 45° BEND WITH THRUST BLOCKS PER UDACS STD. PLATE 31
L	INSTALL 6" POST INDICATOR VALVE (PIV) PER UDACS STD. PLATE 39
M	INSTALL 12"x6" MJ OR APPROVED EQUAL TAPPING SLEEVE W/ 6" TAPPING VALVE PER UDACS PLATE 34

APPROVALS

LAS VEGAS FIRE DEPARTMENT — DATE 8/2/10

LAS VEGAS VALLEY WATER DISTRICT
ENGINEERING SERVICES MANAGER
DATE: 10/07/10 — PROJECT # 116396 — 320 UDACS

REV.	DATE	BY	REVISION
1	11/11/10	KJT	REVISE FIRE HYDRANT LOCATION
	12/1/10	KJT	ADD APPROVAL BY LVVWD

T:\Projects\081\10002\8110002-UTILITY.dwg 6/14/2010 2:00:33 PM PDT

DRAWN BY: BP 3-25-10
DESIGNED BY: BP 3-25-10
CHECKED BY:
COMMENTS ADDRESSED BY:
SCALE: H:1"=10'
PROJECT NO. 081.10002

THOMASON CONSULTING ENGINEERS
3277 E. WARM SPRINGS ROAD, SUITE 400
LAS VEGAS, NEVADA 89120
702-932-6125 FAX: 702-932-6129

WORLD WELLNESS GROUP, LLC
3010 LA MESA DRIVE, HENDERSON, NV 89014
PH: (702) 565-4761 FAX:

WORLD WELLNESS TENANT IMPROVEMENTS
UTILITY PLAN

PROFESSIONAL ENGINEER - STATE OF NEVADA
KURT R. JOHANSEN
Exp. 6-30-11
CIVIL
No. 19088
7/30/10

SHEET U2
5 OF 5
DRAWING NO. 107V5523
H#37847