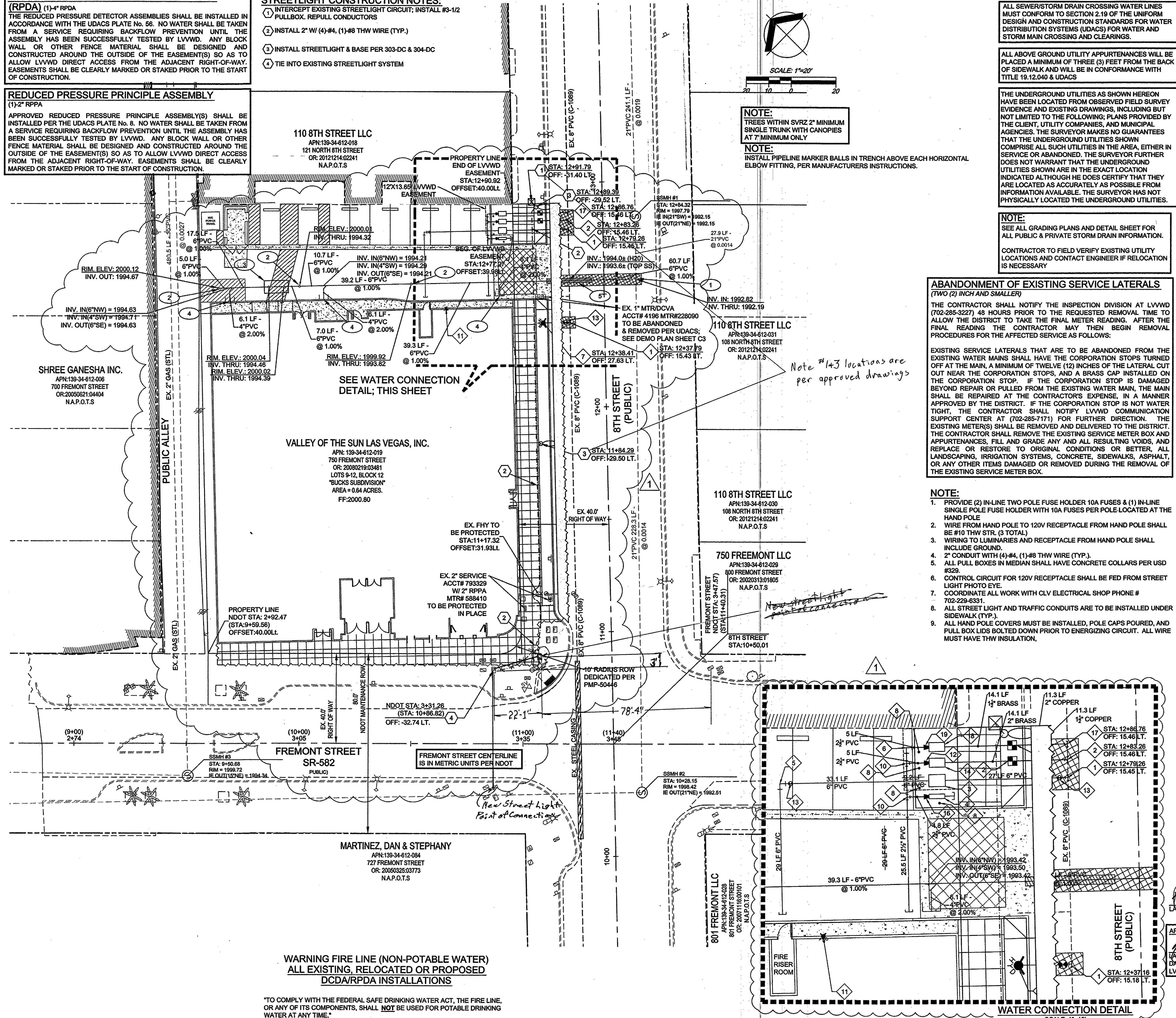


(RPDA) (1)-4" RPDA
THE REDUCED PRESSURE DETECTOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE NO. 56. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY LVVWD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) SO AS TO ALLOW LVVWD DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

(1)-2" RPPA

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE No. 8. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY LVWVD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) SO AS TO ALLOW LVWVD DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

- ① INTERCEPT EXISTING STREETLIGHT CIRCUIT; INSTALL #3-1/2 PULLBOX. REPULL CONDUCTORS
- ② INSTALL 2" W/ (4)-#4, (1)-#8 THW WIRE (TYP.)
- ③ INSTALL STREETLIGHT & BASE PER 303-DC & 304-DC
- ④ TIE INTO EXISTING STREETLIGHT SYSTEM



**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."

ALL SEWER/STORM DRAIN CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSING AND CLEARINGS.

ALL ABOVE GROUND UTILITY APPURTENANCES WILL BE PLACED A MINIMUM OF THREE (3) FEET FROM THE BACK OF SIDEWALK AND WILL BE IN CONFORMANCE WITH TITLE 19.12.040 & UDACS

THE UNDERGROUND UTILITIES AS SHOWN HEREON HAVE BEEN LOCATED FROM OBSERVED FIELD SURVEY EVIDENCE AND EXISTING DRAWINGS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING: PLANS PROVIDED BY THE CLIENT, UTILITY COMPANIES, AND MUNICIPAL AGENCIES. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN OR OUT OF THE PLATED AREA. THE SURVEYOR DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

NOTE:
SEE ALL GRADING PLANS AND DETAIL SHEET FOR
ALL PUBLIC & PRIVATE STORM DRAIN INFORMATION.

CONTRACTOR TO FIELD VERIFY EXISTING UTILITY
LOCATIONS AND CONTACT ENGINEER IF RELOCATION
IS NECESSARY

THE CONTRACTOR SHALL NOTIFY THE INSPECTION DIVISION AT LVVWD (702-285-3227) 48 HOURS PRIOR TO THE REQUESTED REMOVAL TIME TO ALLOW THE DISTRICT TO TAKE THE FINAL METER READING. AFTER THE FINAL READING THE CONTRACTOR MAY THEN BEGIN REMOVAL PROCEDURES FOR THE AFFECTED SERVICE AS FOLLOWS:

EXISTING SERVICE LATERALS THAT ARE TO BE ABANDONED FROM THE EXISTING WATER MAINS SHALL HAVE THE CORPORATION STOPS TURNED OFF AT THE MAIN, A MINIMUM OF TWELVE (12) INCHES OF THE LATERAL CUT OUT NEAR THE CORPORATION STOPS, AND A BRASS CAP INSTALLED ON THE CORPORATION STOP. IF THE CORPORATION STOP IS DAMAGED BEYOND REPAIR OR PULLED FROM THE EXISTING WATER MAIN, THE MAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, IN A MANNER APPROVED BY THE DISTRICT. IF THE CORPORATION STOP IS NOT WATER TIGHT, THE CONTRACTOR SHALL NOTIFY LVVWD COMMUNICATION SUPPORT CENTER AT (702-285-7171) FOR FURTHER DIRECTION. THE EXISTING METER(S) SHALL BE REMOVED AND DELIVERED TO THE DISTRICT. THE CONTRACTOR SHALL REMOVE THE EXISTING SERVICE METER BOX AND APPURTENANCES, FILL AND GRADE ANY, AND ALL RESULTING VOIDS, AND REPLACE OR RESTORE TO ORIGINAL CONDITIONS OR BETTER, ALL LANDSCAPING, IRRIGATION SYSTEMS, CONCRETE, SIDEWALKS, ASPHALT, OR ANY OTHER ITEMS DAMAGED OR REMOVED DURING THE REMOVAL OF THE EXISTING SERVICE METER BOX.

1. PROVIDE (2) IN-LINE TWO POLE FUSE HOLDER 10A FUSES & (1) IN-LINE SINGLE POLE FUSE HOLDER WITH 10A FUSES PER POLE LOCATED AT THE HAND POLE
2. WIRE FROM HAND POLE TO 120V RECEPTACLE FROM HAND POLE SHALL BE #10 THW STR. (3 TOTAL)
3. WIRING TO LUMINAIRES AND RECEPTACLE FROM HAND POLE SHALL INCLUDE GROUND.
4. 2" CONDUIT WITH (4)-#4, (1)-#8 THW WIRE (TYP.).
5. ALL PULL BOXES IN MEDIAN SHALL HAVE CONCRETE COLLARS PER USD #328.
6. CONTROL CIRCUIT FOR 120V RECEPTACLE SHALL BE FED FROM STREET LIGHT PHOTO EYE.
7. COORDINATE ALL WORK WITH CLV ELECTRICAL SHOP PHONE # 702-229-6331.
8. ALL STREET LIGHT AND TRAFFIC CONDUITS ARE TO BE INSTALLED UNDER SIDEWALK (TYP.).
9. ALL HAND POLE COVERS MUST BE INSTALLED, POLE CAPS POURED, AND PULL BOX LIDS BOLTED DOWN PRIOR TO ENERGIZING CIRCUIT. ALL WIRE MUST HAVE THW INSULATION.

- 1 INSTALL 6" PVC SEWER LATERAL PER DCSWCS SD-17 (PRIVATE)
- 2 INSTALL CLEANOUT PER DCSWCS SD-26
- 3 INSTALL 1500 GAL GREASE INTERCEPTOR; SEE MECHANICAL PLANS FOR DETAILS
- 4 STUB & AP 5'-0" FROM BLDG.; SEE MECHANICAL PLANS FOR CONTINUATION
- 5 STEEL ENCASE PROPOSED SEWER 10' ON EITHER SIDE OF WATER CROSSING

1. CONNECT TO EXISTING 8" MAIN WITH 8"x6" MECHANICAL JOINT TAPPING SLEEVE & 6" TAPPING VALVE PER UDACS #34, 39 & 2.24.01B
2. INSTALL 2" METER & SERVICE LATERAL W/ CORP STOP & SERVICE SADDLE PER UDACS PLATE #4
3. INSTALL 6" COMPACT RPDA PER UDACS PLATE #56 (AMES MAXIM SERIES 500 OR LVVWD EQUIVALENT)
4. INSTALL 1" RPPA PER UDACS PLATE #8 (FOR IRRIGATION ONLY)
5. INSTALL 6" 90° BEND WITH THRUST BLOCK PER UDACS PLATE #31
6. INSTALL 2 1/2" 90° BEND W/ THRUST BLOCK PER UDACS #31
7. INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLATE #40, CONDITION "E"
8. PROTECT WITH BOLLARDS PER UDACS PLATE #75

FIRE FLOW REQUIREMENT IS 2,125 GPM AT 20 PSI RESIDUAL PRESSURE (AFTER 50% REDUCTION)	
BASED ON:	
SQUARE FOOTAGE:	38,540 SF
LARGEST AREA BETWEEN 4-HR AREA SEPARATION WALLS:	N/A
BUILDING HEIGHT	44'
No. OF STORIES	3
TYPE OF CONSTRUCTION	II-B
FULL AUTOMATIC FIRE SPRINKLER SYSTEM:	YES
OCCUPANCY	A-2 ASSEMBLY

PROPERTY OWNER: VALLEY OF THE SUN LAS VEGAS LLC
1345 S. LEWIS STREET
ANAHEIM, CALIFORNIA 29805

CIVIL ENGINEER: CARDNO
7115 AMIGO STREET SUITE 100
LAS VEGAS, NEVADA 89119
PHONE: 702-990-9300
CONTACT: DAVID LOGSDON II

PROPOSED (FIXTURES)	UNIT FACTOR	TOTAL CONTRIBUTION	
520	1.50	0.078 MGD	0.0234 MGD

7-24-14
DATE

APPROVED FOR CONSTRUCTION 1st App'd 5/5/14

 LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
 DATE: 5/13/14 PROJECT NO. 122222
 LVVWD APPROVED FIRE FLOW 2,125 GPM AT 20 PSI RESIDUAL

H# 51007
107V6238