

THE FOLLOWING LOTS HAVE DRAINAGE PIPING FEATURES THAT ARE LOWER THAN THE NEXT UPSTREAM SEWER MANHOLE COVER AND SHALL HAVE BACKWATER VALVES INSTALLED PER DCSWCS SD-29:

20, 23, 26, 27, 29, 30, 32, 41, 47, 48, 50, AND 51

TOTAL LOTS REQUIRING BACKWATER VALVES = 12

PRESSURE REDUCTION

PRESSURE REDUCING VALVES

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 LVWD FACILITIES.

LOTS WITHIN THE 2860 PRESSURE ZONE WITH A FINISH FLOOR ELEVATION LESS THAN 2875.4 WILL REQUIRE A PRV.

THE FOLLOWING LOTS REQUIRE A PRV:

ALL LOTS REQUIRE PRV'S

TOTAL LOTS REQUIRING DEVS - 31 LOTS

TOTAL ECTS REQUIRING FRVS = 31 ECTS

AT THE DIRECTION OF THE DEVELOPER, 3/4" WATER METERS ARE SHOWN TO BE
INSTALLED ON THIS PROJECT. METER SIZE HAS BEEN DETERMINED BY FIXTURE UNIT
CALCULATIONS BY THE PROJECT ENGINEER PER CHAPTER 6 OF THE UNIFORM
PLUMBING CODE.

ANY OPTIONAL FEATURE ADDED TO THE STRUCTURES TO BE BUILT ON THESE LOTS, OR ANY CHANGE IN THE STANDARD FEATURES OF THE STRUCTURES TO BE BUILT ON THESE LOTS WHICH ADDS TO THE TOTAL FIXTURE UNIT COUNT FOR THAT STRUCTURE MAY RESULT IN NON-COMPLIANCE WITH THE UNIFORM PLUMBING CODE.

A map of the Fort Apache area in Phoenix, Arizona, showing the location of the Project Site. The map includes labels for streets such as EL CAMPO GRANDE, LA MANCHA, ANN ROAD, EULA, FISHER, HAMMER, GRAND CANYON, TEE PEE, CHIEFTAN, WASHBURN, and FORT APACHE. A north arrow is present, and the Project Site is indicated by a shaded area and a curved arrow pointing to it from the text "PROJECT SITE".

1. ALL WATER FACILITIES CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS" (UDACS), LATEST EDITION
2. FIRE, WATER, AND SEWER SERVICES, AS APPROVED ON THIS PLAN, ARE INTENDED SPECIFICALLY FOR THE LOT' AND USE SHOWN, AND ARE NOT INTENDED TO SERVICE ADDITIONAL PARCELS OR STRUCTURES WHICH MAY BE CREATED IN THE FUTURE. IN THE EVENT THAT THE PARCELS AND/OR LOTS SHOWN ON THIS PLAN ARE FURTHER DIVIDED TO CREATE ADDITIONAL PARCELS OR LOTS, THE OWNER IS REQUIRED TO PROVIDE SEPARATE FIRE, WATER, & SEWER SERVICES TO EACH.
3. WATER AND SEWER LATERALS SHALL BE INSTALLED A MINIMUM OF 48" APART IN SEPARATE TRENCHES. FIRE LATERALS SHALL BE A MINIMUM OF 12" ABOVE THE SEWER LATERAL. (REF. UNIFORM PLUMBING CODE)
4. LOCATOR RIBBON SHALL BE USED FOR ALL SERVICE LATERALS NOT PERPENDICULAR TO THE MAIN. (TYPICAL)
5. ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS" (UDACS FOR WATER AND STORM MAIN CROSSINGS) AND CLEARANCES.
6. ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENTS HAVE BEEN OBTAINED FROM THE RESPECTIVE OWNER AND GIVEN TO CLARK COUNTY.
7. ALL ONSITE STREETS AND DRAINAGE EASEMENTS ARE TO BE PRIVATELY OWNED AND MAINTAINED.

- 1 FIRE HYDRANT ASSEMBLY W/ 6" GATE VALVE (UDACS PLATE No. 40) - PUBLIC
- 2 8" PVC WATERLINE - PUBLIC
- 3 1" COPPER WATER SERVICE W/ 3/4" METER (UDACS PLATE No. 4)
- 4 3/4" IRRIGATION METER W/ 1" RPUA (UDACS PLATE No. 4 & No. 8)
- 5 SEWER LATERAL WITH MARKER BALL & CURB MARKING (DCSWCS SD-22) - PRIVATE
- 6 REMOVE CAP AND BLOW OFF PER UDACS PLATE No. 36 & CONNECT TO EX. STUB
- 7 8" PVC SEWER - PUBLIC
- 8 48" SEWER MANHOLE (DCSWCS SD-1A) - PUBLIC
- 9 CAP & 2" BLOW OFF VALVE (UDACS PLATE No. 36) - PUBLIC
- 10 8" TEE (UDACS PLATE No. 31) - PUBLIC
- 11 12" X 8" TAPPING SLEEVE & 8" TAPPING VALVE - PUBLIC (UDACS 2.24.01 B AND UDACS PLATE No. 34 & No. 39)
- 12 8" GATE VALVE (UDACS PLATE No. 30 & No. 39) - PUBLIC
- 13 C900 SEWER LATERAL WITH MARKER BALL & CURB MARKING (DCSWCS SD-22) - PRIVATE
- 14 6" PVC WATERLINE - PUBLIC
- 15 8"x8" REDUCER (UDACS PLATE No. 30)
- 16 (4) 4" IRRIGATION CONDUCITS - PRIVATE
- 17 C900 SEWER LATERAL WITH MARKER BALL & CURB MARKING (DCSWCS SD-22) - MINIMUM 6" VERTICAL SEPARATION FROM WATER
- 18 CLASS 53 DIP WATERLINE - PUBLIC

Overhead 06/18/13
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER. DATE
PROJECT #21540
Steven W. White 9/18/2013
CLARK COUNTY FIRE DEPARTMENT 13-193834-004 DATE
APPROVAL OF THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT FOR, OR AN
APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.
FIRE DEPT. 2,000 C.P.M. AT 20 PSI RESIDUAL.

	EXISTING	PROPOSED
CENTERLINE		
RIGHT-OF-WAY		
CUT LINE-ASPHALT		
CURB AND GUTTER		
FENCE		
POWER POLE		
SIDEWALK RAMP		
CURB DROP INLET		
STORM DRAIN W/MAINHOLE		
STORMWALK		
PROPERTY LINE		
EDGE OF PAVEMENT		
CAP & 2" BLOW OFF VALVE		
WATERLINE FITTINGS		
GATE VALVE		
FIRE HYDRANT		
SEWER LINE W/MAINHOLE		
SEWER LATERAL		
WATER LINE		
WATER LATERAL W/METER		
PRESSURE REDUCING VALVE		
BACKWATER VALVE		

(PVC 4"-24")

PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MAXIMUM RADIUS OF CURVATURE OF 1,150 FEET, PER UDACs 2.07.01 AND 2.07.02.

FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTING SHALL BE USED.

FIRE FLOW REQUIREMENT IS 2,000 GPM AT 20 POUNDS PER SQUARE INCH RESIDUAL.
HYDRANTS TO BE INSTALLED: 6
BASED ON:
SQUARE FOOTAGE: 6,200 SQ FT
HEIGHT: 35'-0"
SPRINKLER SYSTEM: NO
ROOF CONSTRUCTION: TILE
LARGEST AREA BETWEEN SEPARATE WALLS: N/A
TYPE OF CONSTRUCTION: V-B
OCCUPANCY: R-3
STORIES: 1-STORY
STORY HEIGHT: 10'-0"

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 UNDERGROUND 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 LOCATIONS.

CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

BEING A PORTION OF THE NORTHWEST QUARTER (¼) OF SECTION 31, TOWNSHIP 19
SOUTH, RANGE 60 EAST, M.B.D. & M. CLARK COUNTY, NEVADA

S 89°14'18" E, BEING THE NORTH LINE OF THE SE ¼, NW ¼, SECTION 31, T19S, R60E;
M.D.M. AS SHOWN ON FILE 97, PAGE 85 OF PARCEL MAPS, CLARK COUNTY, NEVADA
OFFICIAL RECORDS

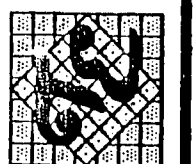
B.M. #9LV90-31C4 CLV RIVET & ROUND PLATE IN CONC PAD WEST SIDE OF GRAND CANYON DR., 120 FEET SOUTH OF WASHBURN ROAD.

INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER UDACS PLATE NO. 15

[illegible][illegible]

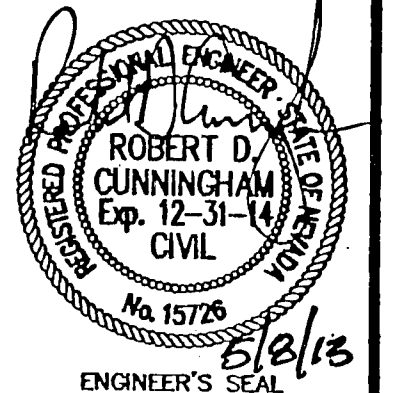
WILLIAM LYON HOMES
500 PILOT ROAD STE# G
LAS VEGAS, NV 89119
(702) 263-8500 FAX: (702) 263-8220

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 562-8844 FAX: (702) 362-5233



UNIT 3
(SERENITY RIDGE)
A RESIDENTIAL SUBDIVISION

UTILITY PLAN - SOUTH



DATE:	5/8/13
SCALE:	1"=40'
JOB NO:	WIL-10-068
DESIGNED BY:	MC
CHECKED BY:	RDC
SHEET NAME:	UT3
SHEET:	10 OF 19
HTE# 13-6603	

