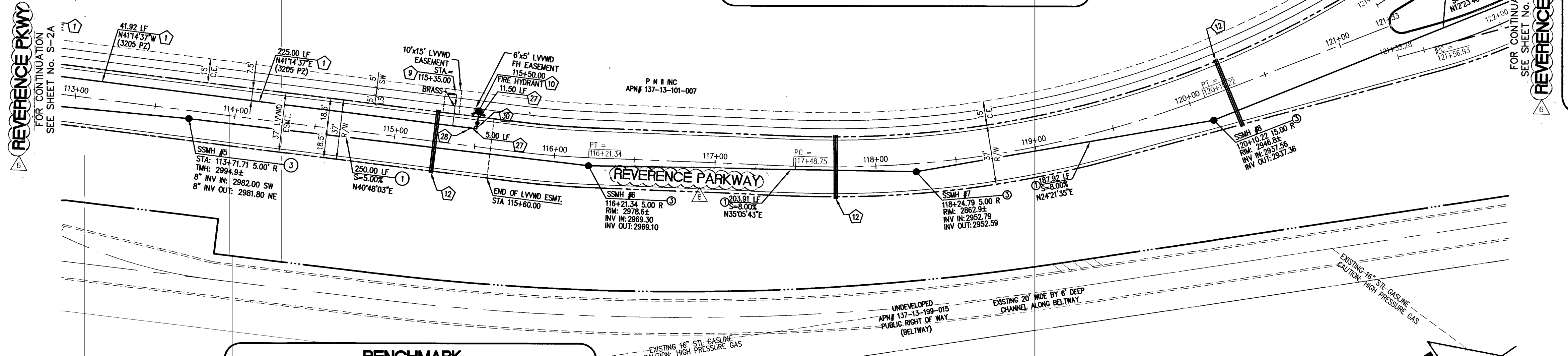


REDUCED PRESSURE PRINCIPLE ASSEMBLY (0 1 1/2")
APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 8. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY LVMD. ANY BLOCK 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 LVMD FACILITIES.

FOR ALL DRY UTILITY CROSSINGS (WATER)
- MAINTAIN MINIMUM 12" VERTICAL SEPARATION AT ALL POINTS OF CROSSING
- MAINTAIN MINIMUM 3" PARALLEL SEPARATION
- ANY EXCAVATION AT BACK OF CURB MUST REMAIN OPEN FOR INSPECTION OF COPPER SERVICE LATERALS. ANY COPPER SERVICE LATERAL KINKED, BENT OR OTHERWISE DAMAGED MUST BE REPLACED FROM THE MAIN TO THE ANGLE METER STOP.

NOTE:
THE FINISHED GRADE OVER THE WATER MAIN PROPOSED WITH THIS PROJECT MUST BE INSTALLED BY SUMMERLIN V26 REFERENCE PHASE 1, LVMD PROJECT #124753, PRIOR TO FINAL ACCEPTANCE OF THIS PROJECT.



WATER MAIN JOINT DEFLECTION (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 MINIMUM RADIUS OF CURVATURE OF 1,150 FT. PER UDACS 2.07.01 AND 2.07.02.
FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED.

BENCHMARK
PROJECT DATUM: SUMMERLIN VILLAGE 26 - REFERENCE PROJECT MODIFIED DATUM
CLARK COUNTY VERTICAL CONTROL POINT: SLV09 1456
SUMMERLIN VILLAGE 26 - REFERENCE PROJECT MODIFIED DATUM: 3227.64 FEET
NAVD88 DATUM: 983.659 METERS (3227.22 FEET)
RIVET & PLATE IN HEAD WALL WEST OF CC215 +/-250' NORTH OF LAKE MEAD.
TO OBTAIN SUMMERLIN VILLAGE 26 - REFERENCE PROJECT MODIFIED DATUM ADD 0.42 FEET TO NAVD88 DATUM.

REFERENCE PARKWAY
PUBLIC STREET
SCALE: HORIZ. 1"=40'
VERT. 1"=8'

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT
PROJECT #124656
LVMD APPROVED FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL
DATE: 8-30-16

APPROVED FOR CONSTRUCTION
LAS VEGAS FIRE AND RESCUE
FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL
DATE: 8-30-16

NOTE:
INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER UDACS PLATE NO. 15.
FIRE FLOW CALCULATIONS
FIRE FLOW REQUIREMENT IS 1,500 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.

SEWER CONSTRUCTION NOTES	
KEY	ITEM
1	INSTALL 8" PUBLIC PVC SEWER LINE.
2	INSTALL 12" PUBLIC C900 SEWER LINE.
3	INSTALL 48" SANITARY SEWER MANHOLE PER SD-1A AND SD-1B.
4	CUT EXISTING SEWER AND INSTALL NEW MANHOLE. MATCH EXISTING INVERT.
5	ADJUST TO GRADE
6	INSTALL 12" PUBLIC PVC SEWER LINE.
7	INSTALL 60" SANITARY SEWER MANHOLE PER SD-1A AND SD-1B.

WATER CONSTRUCTION NOTES	
KEY	ITEM
1	INSTALL 8" PVC PUBLIC WATER MAIN
2	INSTALL 8" DIP PUBLIC WATER MAIN
3	INSTALL 8" GATE VALVE. VALVES SHALL NOT BE LOCATED IN STREET VALLEY GUTTERS OR WITHIN THE PROPOSED CURB & GUTTER LOCATIONS. UDACS PLATE 30 & 39
4	INSTALL 8" - 5' BEND UDACS PLATE 31
5	INSTALL 8" - 45' BEND UDACS PLATE 31
6	INSTALL 8" - 90' BEND UDACS PLATE 31
7	INSTALL 8" TEE UDACS PLATE 31
8	8" CAP W/ 2" BLOW-OFF PER (UDACS) PLATE No. 36
9	1 1/2" IRRIGATION SERVICE LAT. W/ 1 1/2" METER AND 1 1/2" R.P.P.A. PER UDACS PLATE 4 & 8
10	INSTALL FIRE HYDRANT ASSEMBLY PER UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS) PLATE No. 40
11	8" CAP W/ 2" BLOW-OFF PER (UDACS) PLATE No. 36
12	INSTALL IRRIGATION SLEEVES 1-6" AND 2-4" SCH. 40 PVC (SEE DETAIL 25 ON SHEET D-1).
13	INSTALL STEEL CASING PER UDACS PLATE 22 & 23
14	* ALL WATER MAIN IN CASING TO BE DIP
15	INSTALL 16" CLASS 53 DIP PUBLIC WATER MAIN
16	INSTALL 16" DIP PUBLIC WATER MAIN
17	INSTALL 16" - 5' BEND W/ RESTRAINED JOINTS ON EACH END
18	INSTALL 16" - 11.25' BEND
19	INSTALL 16" - 22.5' BEND
20	INSTALL 16" - 45' BEND
21	INSTALL 16" - 90' BEND
22	INSTALL 16" X 8" REDUCER
23	CONSTRUCT CLASS 1 CLSM TRENCH BACKFILL PER UDACS PLATE 16 AND 19
24	INSTALL 16" GATE VALVE. VALVES SHALL NOT BE LOCATED IN STREET VALLEY GUTTERS OR WITHIN THE PROPOSED CURB & GUTTER LOCATIONS. UDACS PLATE 30 & 39
25	INSTALL TYPE "C" TEST STATION WITHOUT ANODE PER DETAIL 1 ON SHEET D-2A
26	INSTALL 4" COMBINATION AIR VALVE PER UDACS PLATE 38
27	INSTALL 6" PVC PUBLIC WATER MAIN
28	INSTALL 8" X 6" REDUCER UDACS PLATE 30
29	INSTALL 16" X 8" TEE
30	INSTALL 6" - 90' BEND UDACS PLATE 31
31	16" CAP W/ 2" BLOW-OFF PER (UDACS) PLATE No. 36
32	INSTALL 8"x6" TEE
33	INSTALL 16"x6" TEE
34	INSTALL 6" MANUAL BLOW-OFF ASSEMBLY PER UDACS PLATE No. 37

BASIS OF BEARING
SOUTH 89°39'55" EAST, BEING THE BEARING OF THE NORTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 13, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., AS SHOWN BY MAP THEREOF ON FILE IN FILE 91, PAGE 28 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

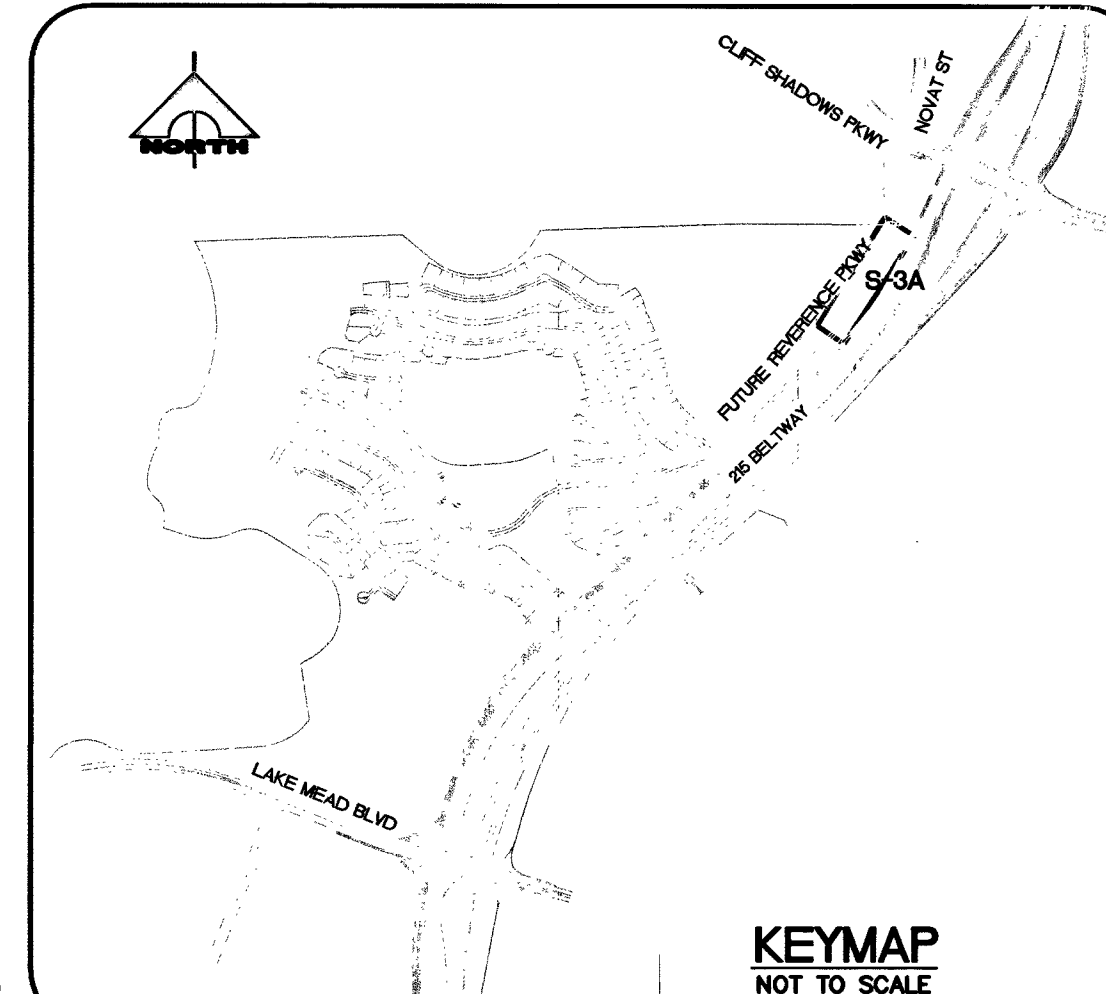
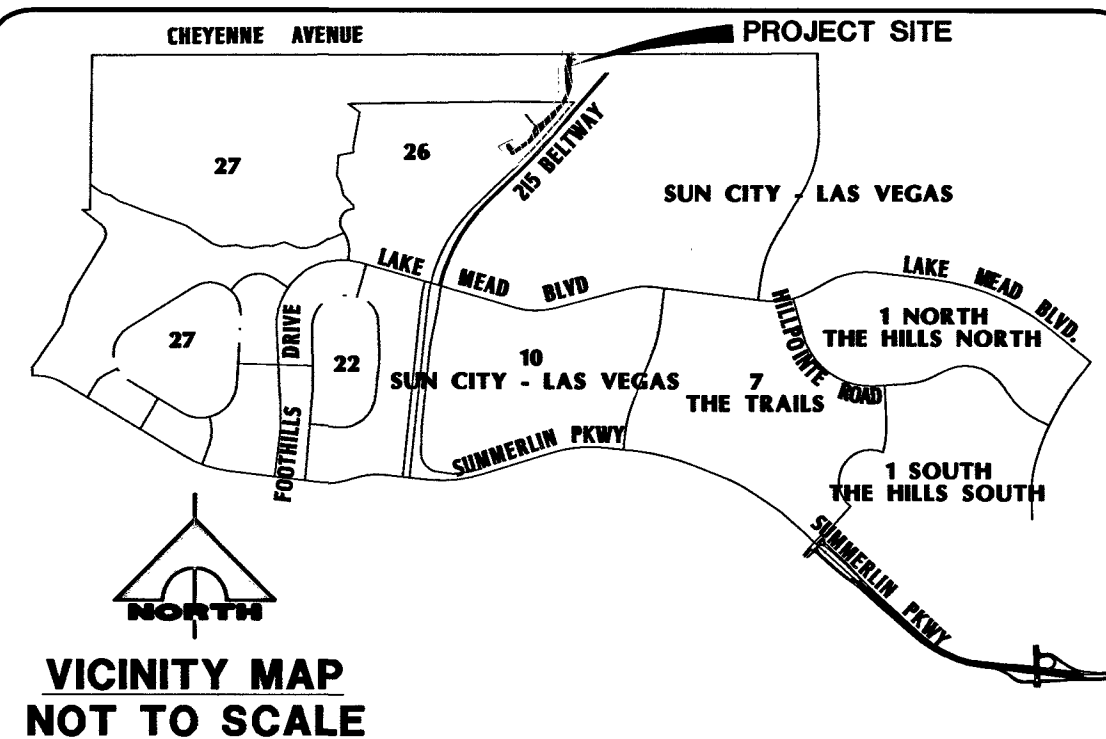
LEGEND	
	EXISTING FIRE HYDRANT W/ 7/8" G.V. & F.H. LOCATOR BUTTON-UDACS PLATE 40.
	EXISTING WATER LINE
	EXISTING GATE VALVE
	FIRE HYDRANT W/ 6" G.V. & F.H. LOCATOR BUTTON-UDACS PLATE 40.
	WATER LINE
	PRV PRESSURE REDUCING VALVE
	2" BLOW-OFF PER UDACS STD. PLATE No. 36.
	1 1/2" TYPE K COPPER WATER LATERAL W/ 1 1/2" IRRIGATION METER.
	UDACS PLATE 4 W/ 1 1/2" R.P.P.A. - UDACS PLATE 8.
	GATE VALVE
	SEWER MANHOLE
	STORM DRAIN LINE

LEGEND
EXIST. GROUND
PROPOSED FINISHED GRADE

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811
1-800-227-2600

Call before you UnderGround
1-702-432-5300

CALL BEFORE YOU DO OVERHEAD
1-702-227-2929



PROJECT NO. 784-204-018
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
governingengineering.com

DESIGN: HN
DRAWN: HN
CHECK: WP
PLOT DATE: 08-24-16
PLOT TIME: 13:50:00

STATE OF NEVADA
WESLEY T. PETTY
Professional Engineer
No. 16386
Exp. 12/31/2017

DATE: 8/24/16

REVISIONS

REV	DATE	BY	DESCRIPTION
1	10/10/16	WESLEY T. PETTY	REVISED STREET NAMES

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ENGINEERS & SURVEYORS

DESERT HOPE DRIVE - ACCESS ROAD - (N/A)
REFERENCE PARKWAY
REVERENCE (VILLAGE 26)

PULTE HOMES

WATER PLAN/SEWER PLAN AND PROFILE
REFERENCE PARKWAY

DRAWING
S-3A
16A OF 26 SHTS

PROJ.#: 124656 AGR#: 118016 QS:137-13-NW,137-14-NE XC:11196