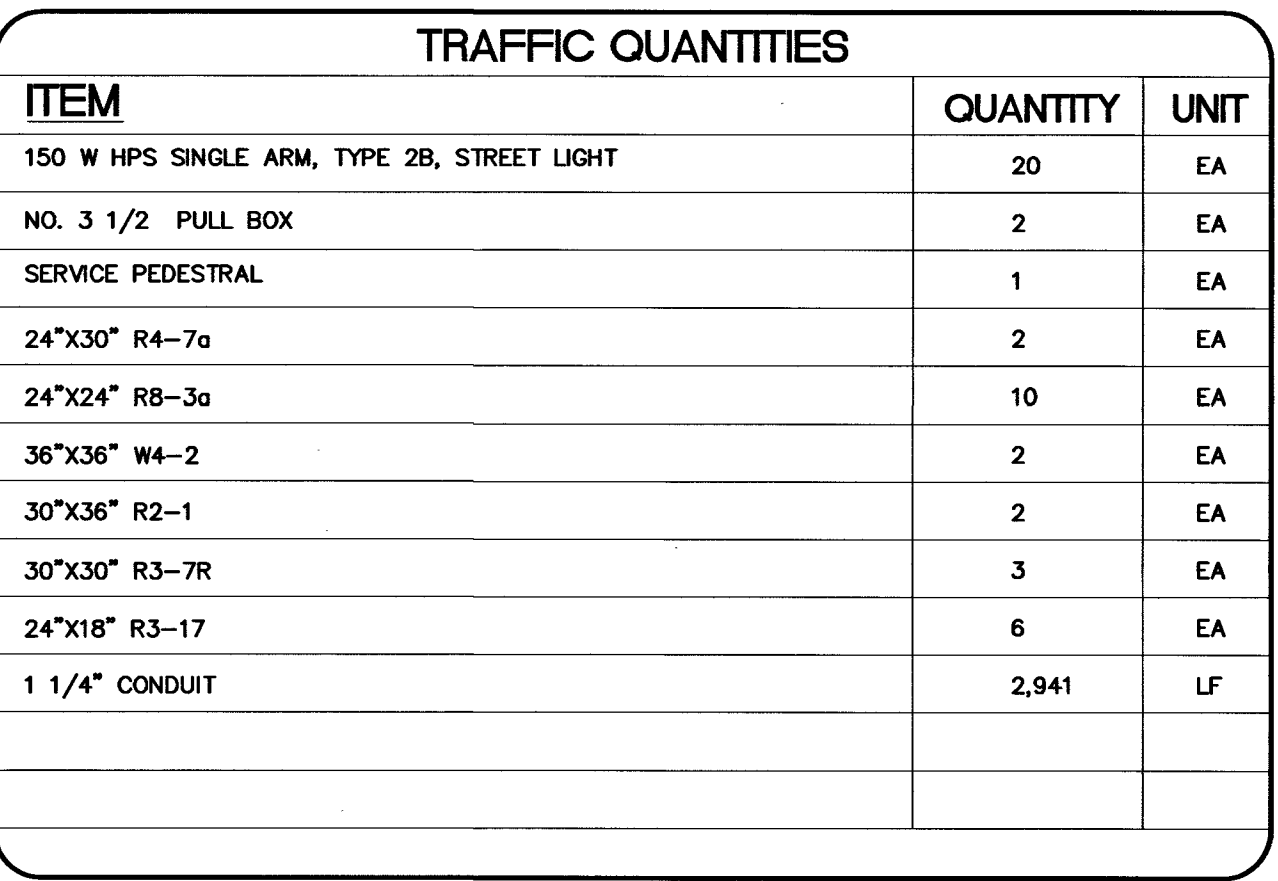
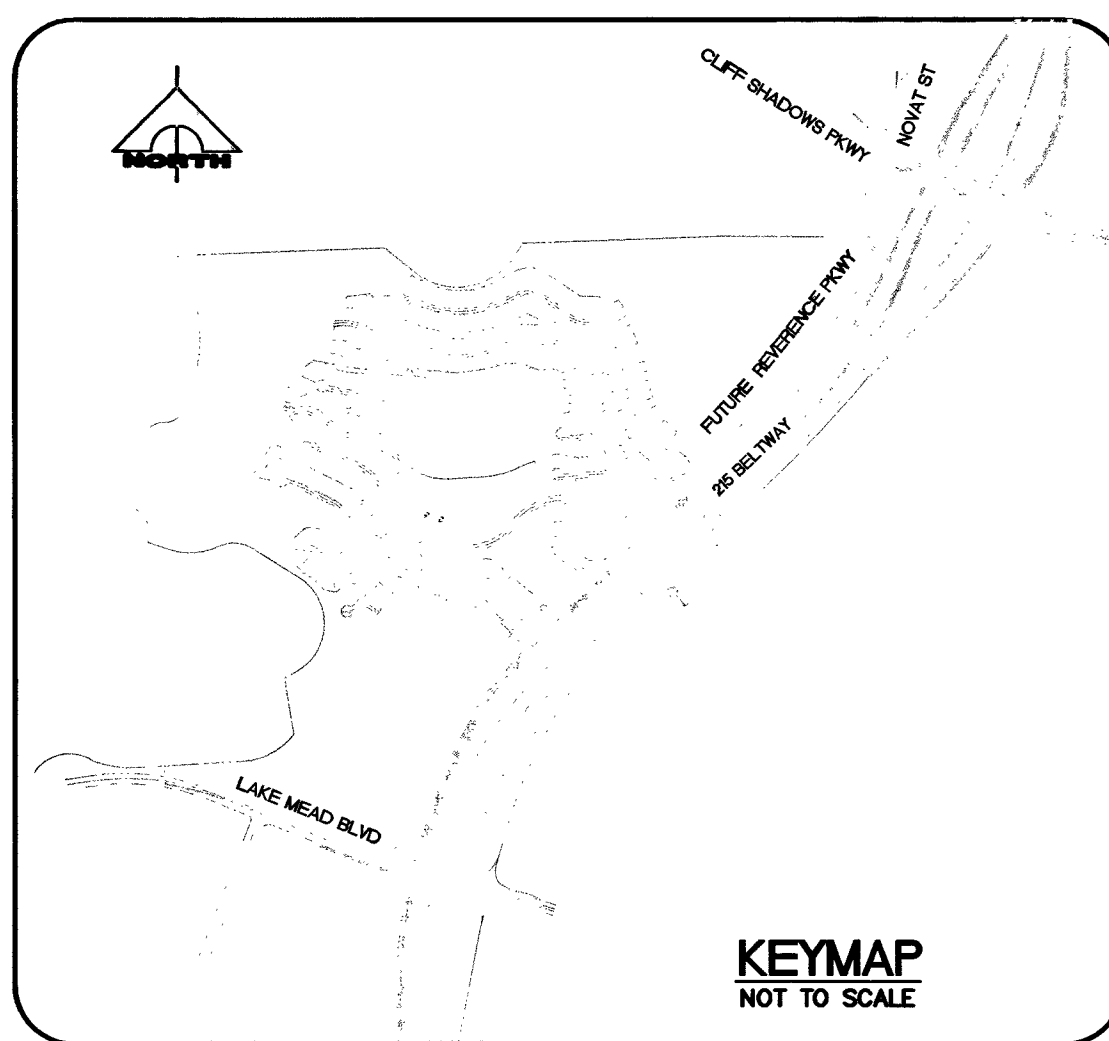


MH#	I.D.	TYPE	STATION	OFFSET	RIM	ELEV.	INVERT ELEVATION		WEST	COMMENTS
							EAST	SOUTH		
1	48"	STANDARD	103+71.42	5.00 RT	3037.5 S	3030.62 (NE)		3030.82 (SW)		
2	48"	STANDARD	106+21.42	5.00 RT	3024.1 S	3015.42 (NE)		3015.62 (SW)		
3	48"	STANDARD	108+71.40	1.58 RT	3017.9 S	3004.22 (NE)		3004.42 (SW)	3004.42 (NW)	
4	48"	STANDARD	111+21.61	10.04 RT	3007.1 S	2993.00 (NE)		2993.20 (SW)		
5	48"	STANDARD	113+71.71	5.00 RT	2994.9 S	2981.80 (NE)		2982.00 (SW)		
6	48"	STANDARD	116+21.34	5.00 RT	2978.6 S	2969.10 (NE)		2969.30 (SW)		
7	48"	STANDARD	118+24.79	5.00 RT	2962.9 S	2952.59 (NE)		2952.79 (SW)		
8	48"	STANDARD	120+10.22	15.00 RT	2946.8 S	2937.36 (NE)		2937.56 (SW)		
9	48"	STANDARD	122+48.01	6.50 LT	2925.6 S	2918.44 (NW)		2918.64 (SW)		
10	48"	STANDARD	124+14.25	6.50 LT	2914.8 S	2907.57 (NW)		2907.77 (SE)		
11	48"	STANDARD	127+38.95	6.50 LT	2906.2 S	2890.32 (NE)		2890.65 (SE)		
			127+36.81	56.50 LT				2890.65 (SW)		
12	48"	STANDARD	128+54.80	27.27 RT	2905.1 S	2889.82 (NE)		2890.02 (SW)		
			128+41.56	22.73 LT						
13	60"	STANDARD	101+56.66	13.50 LT	3050.2 S	3040.07 (NE)		3040.27 (SW)		
14	60"	STANDARD	102+32.90	13.50 LT	3045.6 S	3038.30 (NE)		3038.50 (SW)		
15	48"	STANDARD	127+18.73	54.59 LT	2913.9 S	2894.86 (NE)		2895.06 (SW)		
			127+18.52	104.59 LT						
16	48"	STANDARD	52+98.19	9.42 RT	2906.4 S	2899.96 (NW)		2899.96 (SW)		
			129+30.38	21.01 RT		2899.63 (NE)				
			129+14.86	26.82 LT						
17	48"	STANDARD	129+74.79	9.43 RT	2905.1 S	2889.48 (NE)		2889.48 (SW)		
18	48"	STANDARD	53+28.45	9.43 RT	2907.7 S	2891.13 (NW)		2891.13 (SE)		

INDEX NO.	SHEET NO.	DESCRIPTION
1	C-1	COVER SHEET
2	C-2	QUANTITIES/SHEET INDEX/VICINITY MAP/ABBREVIATIONS, AND LEGEND
3	C-3	GENERAL NOTES
4	P-1	STREET PLAN AND PROFILE - DESERT HOPE DRIVE
4A	P-1A	STREET PLAN AND PROFILE - REVERENCE PARKWAY
5	P-2	STREET PLAN AND PROFILE - DESERT HOPE DRIVE (SOUTH BOUND LANES)
5A	P-2A	STREET PLAN AND PROFILE - REVERENCE PARKWAY
6	P-3	STREET PLAN AND PROFILE - DESERT HOPE DRIVE (NORTH BOUND LANES)
6A	P-3A	STREET PLAN AND PROFILE - REVERENCE PARKWAY
7	P-4	STREET PLAN AND PROFILE - DESERT HOPE DRIVE
7A	P-4A	STREET PLAN AND PROFILE - REVERENCE PARKWAY
8	P-5	STREET PLAN AND PROFILE - REVERENCE PARKWAY(SOUTH BOUND LANES)
9	P-6	STREET PLAN AND PROFILE - REVERENCE PARKWAY(NORTH BOUND LANES)
10	P-7	STREET PLAN AND PROFILE - RESPECTFUL DRIVE
11	P-8	STORM DRAIN PLAN AND PROFILES - REVERENCE PARKWAY
12	D-1	DETAIL SHEET
13	D-2	DETAIL SHEET
13A	D-2A	DETAIL SHEET
14	S-1	SEWER PLAN AND PROFILE - DESERT HOPE DRIVE
14A	S-1A	SEWER PLAN AND PROFILE - REVERENCE PARKWAY
15	S-2	SEWER PLAN AND PROFILE - DESERT HOPE DRIVE
15A	S-2A	SEWER PLAN AND PROFILE - REVERENCE PARKWAY
16	S-3	WATER PLAN/SEWER PLAN AND PROFILE - DESERT HOPE DRIVE
16A	S-3A	WATER PLAN/SEWER PLAN AND PROFILE - REVERENCE PARKWAY
17	S-4	WATER PLAN/SEWER PLAN AND PROFILE - DESERT HOPE DRIVE (NORTH BOUND LANES)
17A	S-4A	WATER PLAN/SEWER PLAN AND PROFILE - REVERENCE PARKWAY
18	S-5	SEWER PLAN AND PROFILE - SEWER STUB AT SSMH#11 AND CLIFF SHADOWS PKWY
19	W-1	WATER PLAN AND PROFILE - DESERT HOPE DRIVE
19A	W-1A	WATER PLAN AND PROFILE - REVERENCE PARKWAY
19B	W-1B	WATER PLAN AND PROFILE - REVERENCE PARKWAY
20	T-1	STREET LIGHT/TRAFFIC AND SIGNAGE PLANS
20A	T-1A	STREETLIGHT, TRAFFIC, AND SIGNAGE PLAN - REVERENCE PARKWAY
21	T-2	STREET LIGHT/TRAFFIC AND SIGNAGE PLANS
21A	T-2A	STREETLIGHT, TRAFFIC, AND SIGNAGE PLAN - REVERENCE PARKWAY
22	T-3	STREETLIGHT, TRAFFIC, AND SIGNAGE PLAN - REVERENCE PARKWAY
22A	T-3A	TRAFFIC SIGNAL MODIFICATION PLAN
22B	T-3B	TRAFFIC SIGNAL NOTES AND SCHEDULES
23	ST-1	GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS
24	ST-2	HEADWALL DETAILS
25	ST-3	SDMH#3
26	ST-4	COLLAR DETAIL

NO.	DWG	DESCRIPTION
27	1	COVER SHEET
28	2	CONSTRUCTION NOTES
29	3	MATERIALS AND NOTES
30	4	DESIGN PLAN
31	5	DESIGN PLAN
32	6	DESIGN PLAN
33	7	DESIGN PLAN



NO PORTION OF THE SITE FALLS WITHIN A FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA. SITE LOCATED ON PANEL 32003C2150E, DATED SEPTEMBER 27, 2002, TO REFLECT A LOMR. THIS PANEL SHOWS THAT THE PROJECT IS LOCATED WITHIN A ZONE X AND NOT LOCATED WITHIN A FEMA DESIGNATED 100-YEAR ZONE A OR SPECIAL FLOOD HAZARD AREA.

ITEM	QUANTITY	UNIT
INSTALL 6" PVC PUBLIC WATER MAIN.	22	LF
INSTALL 8" PVC PUBLIC WATER MAIN.	1,502	LF
INSTALL 8" FUSIBLE PVC PUBLIC WATER MAIN.	28	LF
INSTALL 8" DIP PUBLIC WATER MAIN.	49	LF
INSTALL 16" C905 PUBLIC WATER MAIN.	637	LF
INSTALL 16" DIP PUBLIC WATER MAIN.	280	LF
INSTALL 16" CLASS 53 DIP PUBLIC WATER MAIN.	135	LF
INSTALL 8" GATE VALVE. VALVES SHALL NOT BE LOCATED IN STREET VALLEY GUTTERS OR WITHIN THE PROPOSED CURB & GUTTER LOCATIONS.	6	EA
INSTALL 16" GATE VALVE. VALVES SHALL NOT BE LOCATED IN STREET VALLEY GUTTERS OR WITHIN THE PROPOSED CURB & GUTTER LOCATIONS.	5	EA
INSTALL 8" - 5" BEND.	4	EA
INSTALL 8" - 45" BEND.	4	EA
INSTALL 8" - 90" BEND.	1	EA
INSTALL 8" TEE	2	EA
8" CAP W/ 2" BLOW-OFF PER (UDACS) PLATE NO. 36.	3	EA
16" CAP W/ 2" BLOW-OFF PER (UDACS) PLATE NO. 36.	1	EA
INSTALL 16" - 5" BEND	4	EA
INSTALL 16" - 11 1/4" BEND	1	EA
INSTALL 16" - 22 1/2" BEND	1	EA
INSTALL 16" - 45" BEND.	6	EA
INSTALL 16" - 90" BEND.	4	EA
INSTALL 16"x8" TEE	1	EA
INSTALL 8"x8" REDUCER	1	EA
INSTALL 16"x8" REDUCER	1	EA
1 1/2" IRRIGATION SERVICE LAT. W/ 1 1/2" METER AND 1 1/2" R.P.P.A. PER UDACS PLATE 4 & 8.	1	EA
INSTALL FIRE HYDRANT ASSEMBLY PER UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS) PLATE NO. 40	2	EA
INSTALL IRRIGATION SLEEVES 1-8" AND 2-4" SCH. 40 PVC (VERIFY ALL IRRIGATION CROSSING WITH LANDSCAPE PLAN).	560	LF
INSTALL STEEL CASING	207	LF
INSTALL TYPE "C" TEST STATION WITHOUT ANODE	1	EA
INSTALL 4" COMBINATION AIR VALVE	2	EA
INSTALL 8"x6" TEE	1	EA
INSTALL 16"x6" TEE	2	EA
INSTALL 6" MANUAL BLOW-OFF ASSEMBLY PER UDACS PLATE NO. 37	1	EA

ITEM	QUANTITY	UNIT
400W HPS STREET LIGHT	2	EA
PULL BOX RELOCATION	4	EA
2" CONDUIT	135	LF

ITEM	QUANTITY	UNIT
INSTALL 8" PUBLIC PVC SEWER LINE.	2,755	LF
INSTALL 12" PUBLIC C900 SEWER LINE.	91	LF
INSTALL 12" PUBLIC C900 SEWER LINE.	231	LF
INSTALL 48" SANITARY SEWER MANHOLE PER SD-1A AND SD-1B.	16	EA
INSTALL 60" SANITARY SEWER MANHOLE PER SD-1A AND SD-1B.	2	EA

ITEM	QUANTITY	UNIT
CURB AND GUTTER ("L" TYPE)	5,370	LF
CURB ("A" TYPE)	1,455	LF
4" SIDEWALK	16,285	SF
TYPE I GRAVEL BASE	2,367	CY
TYPE II GRAVEL BASE	1,580	CY
4" ASPHALTIC CONCRETE PAVEMENT	12,985	SY

ITEM	QUANTITY	UNIT
17.5" TYPE "CM" DROP INLET	1	EA
10" TYPE "CM" DROP INLET	1	EA
5" TYPE "CM" DROP INLET	2	EA
TYPE 4 MANHOLE	2	EA
48" TYPE II MANHOLE	1	EA
60" TYPE III MANHOLE	1	EA
72" RCP	96	LF
30" RCP	13	LF
24" RCP	410	LF
18" RCP	85	LF
SIDEWALK UNDERDRAIN	2	EA

4. ISHARI FOR DIS 10/4/16
LAS VEGAS VALLEY WATER DISTRICT DATE:
PROJECT #124656
LVVWD APPROVED FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL

[illegible]

PROJECT NO.	HN
764-204-013	NSL
DESIGN:	WP
DRAWN:	
CHECK:	
PLOT DATE: 09-26-16	
PLOT TIME: 04:32:26	

GCV
ENGINEERS \ SURVEYORS

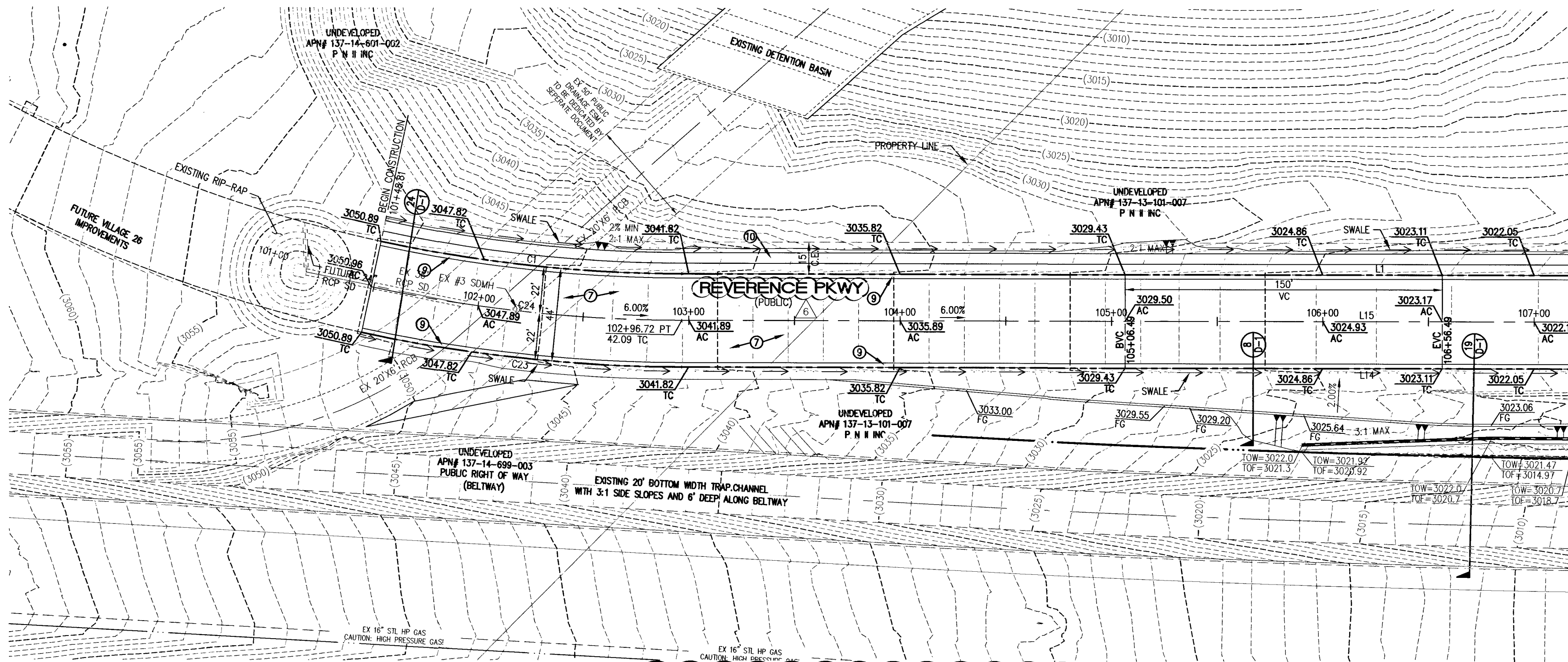
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2289
gowngeengineering.com

F: Projects 702.784-204-010 DWA Production 20101-C2.ang
Nathan Lim

DESERT HOPE DRIVE - ACCESS ROAD - (NMA REFERENCE (VILLAGE 26)	PULTE HOMES	QUANTITIES, SHEET INDEX, CITY MAP, ABBREVIATIONS, AND LEGEND
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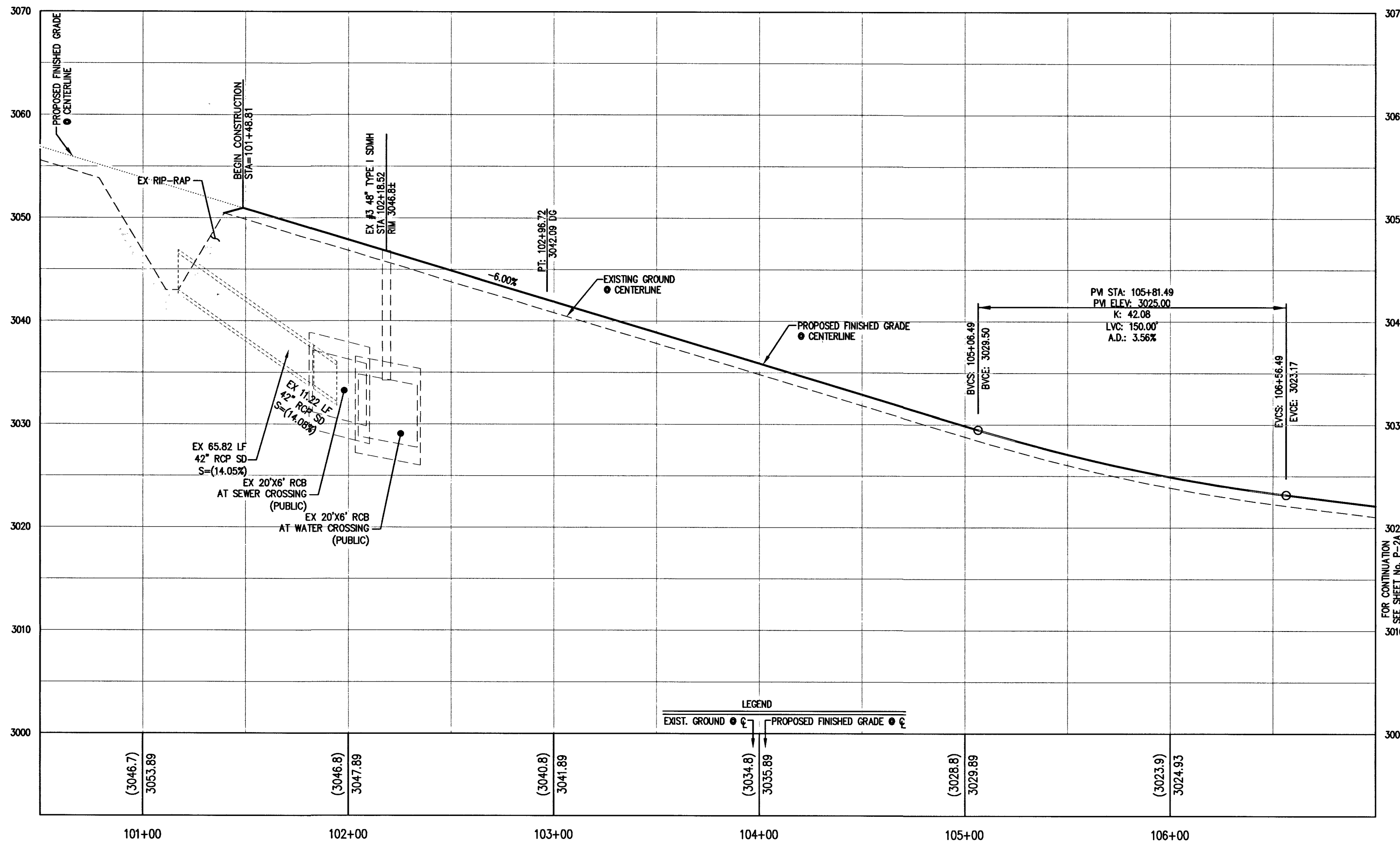
DRAWING
C-2
2 OF 26 SHTS

PROJ#:124656 AGR#: 116016 QS:137-13-NW,137-14-NE XC 11196



REVERENCE PARKWAY

SCALE: HORIZ. 1"=40'
VERT. 1"=8'



LINE TABLE		
LINE	LENGTH	BEARING
L1	660.15'	N43° 23' 31.27"E
L14	648.65'	N43° 23' 31.27"E
L15	648.13'	N43° 23' 31.27"E

CURVE TABLE			
CURVE	RADIUS	LENGTH	DELTA
C1	678.00'	143.27'	012°06'25"
C23	722.00'	152.56'	012°06'25"
C24	700.00'	147.91'	012°06'25"

Clark County Public Works Design - BELTWAY Date

NOTE: AN ENCROACHMENT PERMIT FROM THE CLARK COUNTY DEPARTMENT OF DEVELOPMENT SERVICES IS REQUIRED FOR ANY WORK WITHIN OR ABUTTING THE RIGHT OF WAY FOR CLARK COUNTY 215 BRUCE WOODBURY BELTWAY, FOR DETAILS CALL (702) 455-4600

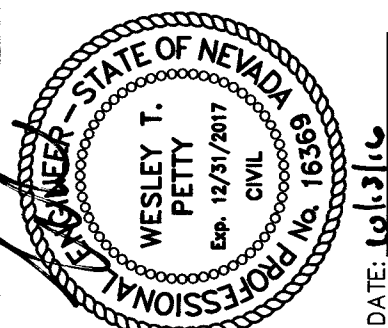


I CERTIFY THAT THIS PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.

WESLEY T. PETTY, P.E. 16369

10/13/16

H# 63328 10839 CLV DWG# 107Y4950-AR



DATE	REVISION	BY	APP
10/13/16	1	WTP	WTP

DATE	REVISION	DESCRIPTION
10/13/16	1	REVISED TO MATCH REVISION PHASE 1

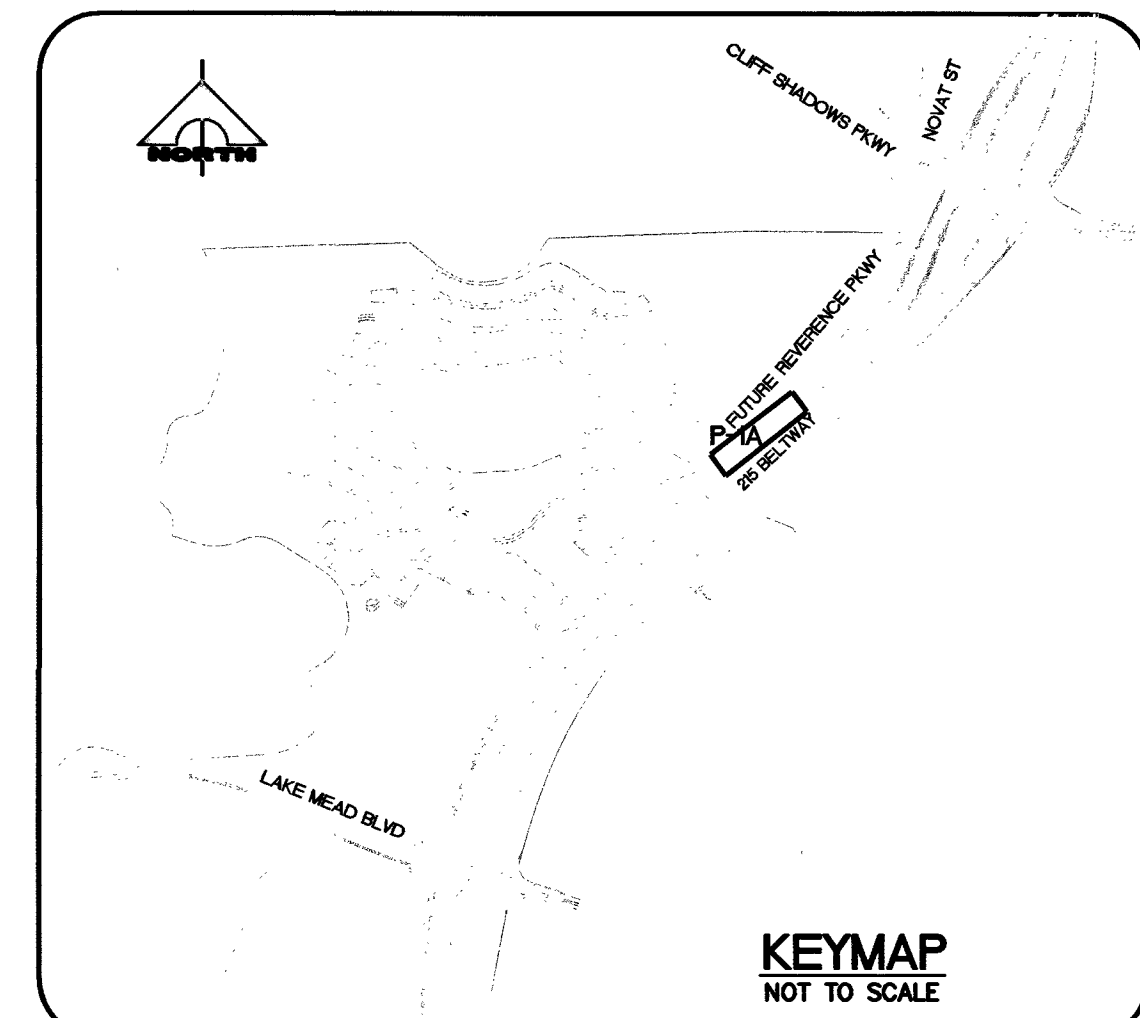
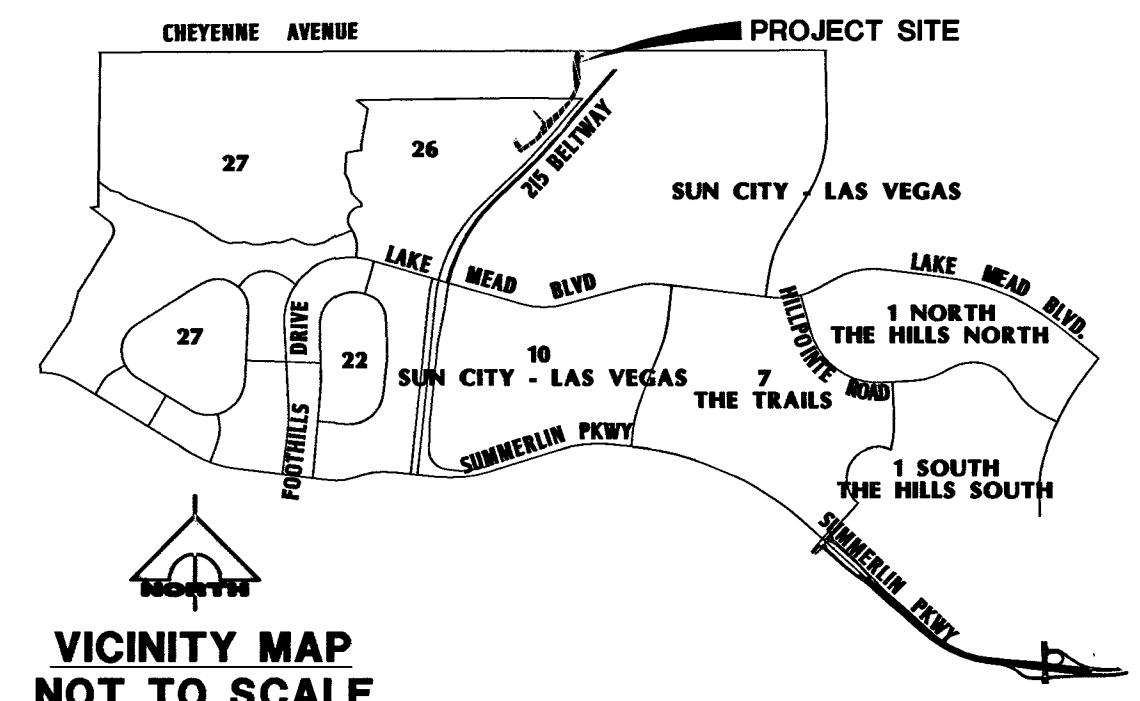
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DESIGN: HN
DRAWN: HN
CHECK: WP
PLOT DATE: 10-12-16
PLOT TIME: 10:59:57

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcvengineering.com

GCV ENGINEERS & SURVEYORS
Nathan Lim

DESERT HOPE DRIVE - ACCESS ROAD - (AND REVERENCE PARKWAY)
REVERENCE (VILLAGE 26)
PULTE HOMES
STREET PLAN AND PROFILE (REVERENCE PARKWAY)

DRAWING 4 P-1A 4A OF 26 SHTS



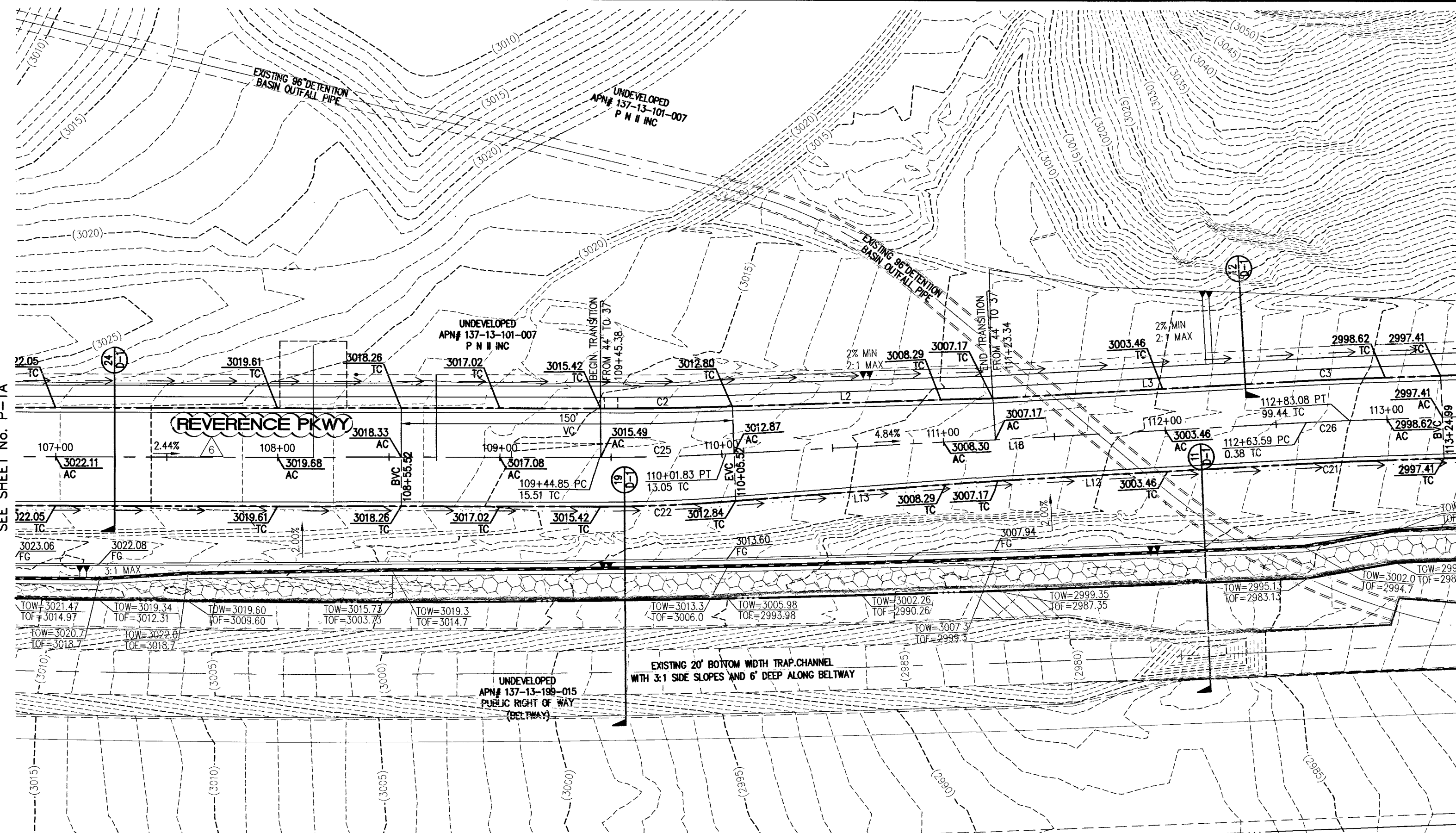
BENCHMARK
PROJECT DATUM: SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM
CLARK COUNTY VERTICAL CONTROL POINT: 5LV09 1456
SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM: 3227.64 FEET
NAVDB88 DATUM: 983.659 METERS (3227.22 FEET)
RIVET & PLATE IN HEAD WALL WEST OF CC215 +/-250' NORTH OF LAKE MEAD.
TO OBTAIN SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM ADD 0.42 FEET TO NAVDB88 DATUM.

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 IN FILE 112, PAGE 94 OF PARCEL MAPS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

LEGEND			
1	SIGHT VISIBILITY ZONE NO IMPROVEMENTS OVER 24" IN HEIGHT, EXCEPT TRAFFIC CONTROL DEVICES	C1	BACK OF CURB CURVE DATA
PE = 59.0	PAD ELEVATION	CL1	CENTERLINE CURVE DATA
FF = 59.0	FINISH FLOOR ELEVATION	56	EXISTING CONTOUR
(1+00.00)	CURB LINE STATIONING	10+00.00	TOP OF CURB GRADE
HP	HIGH POINT	(21.12)	EXISTING ELEVATION
AC	ASPHALTIC CONCRETE	(21.12)	FUTURE/DESIGN ELEVATION
FG	FINISHED GRADE	21.12	GRADE BREAK

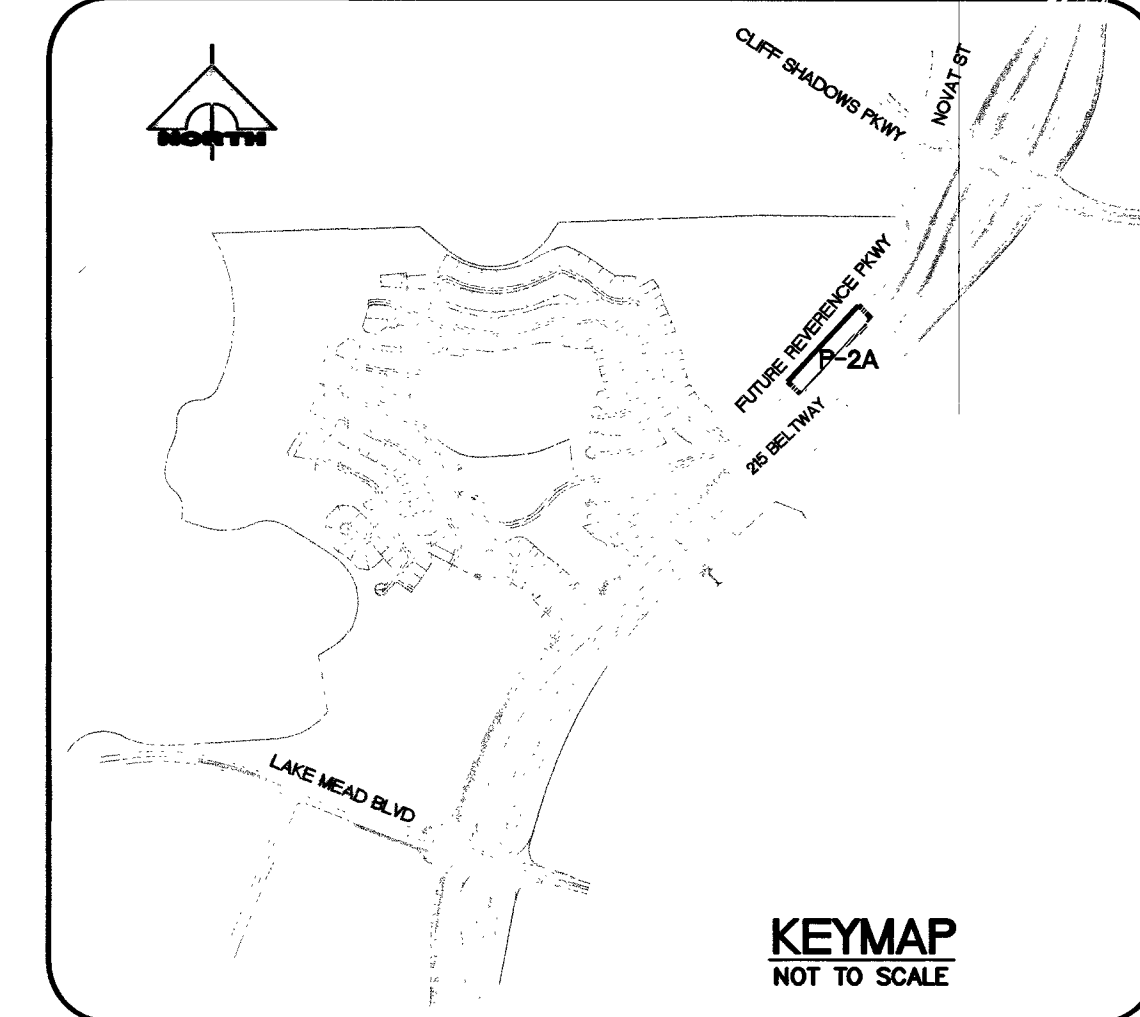
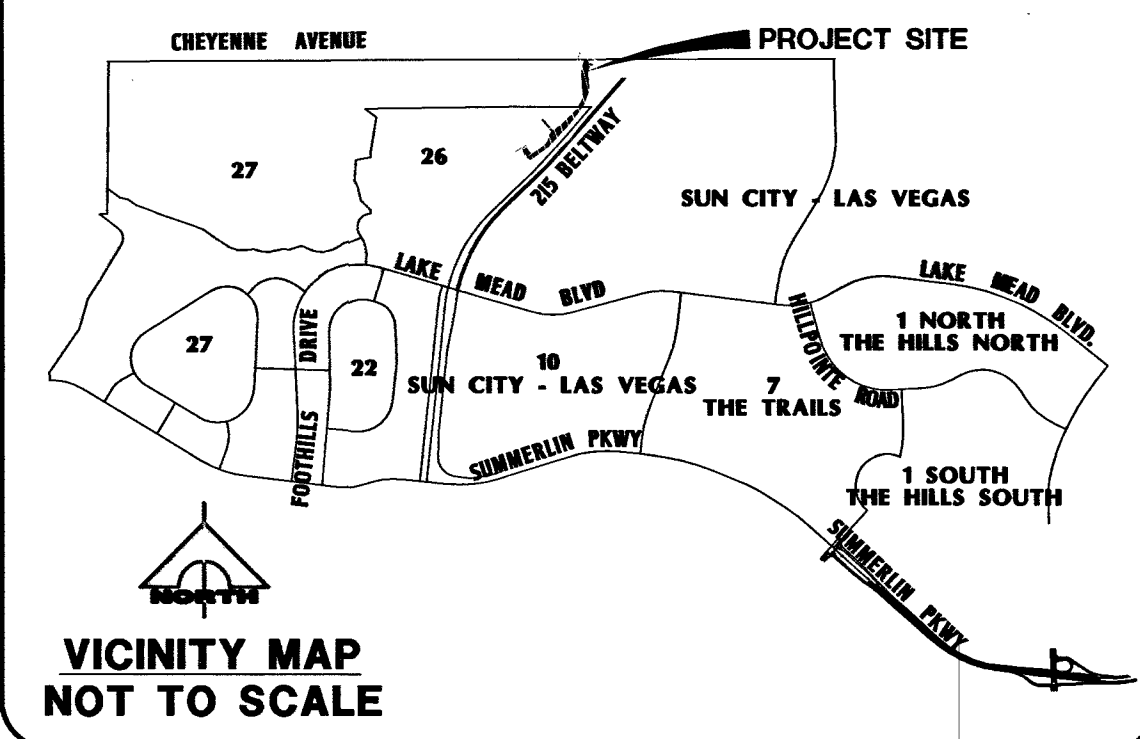
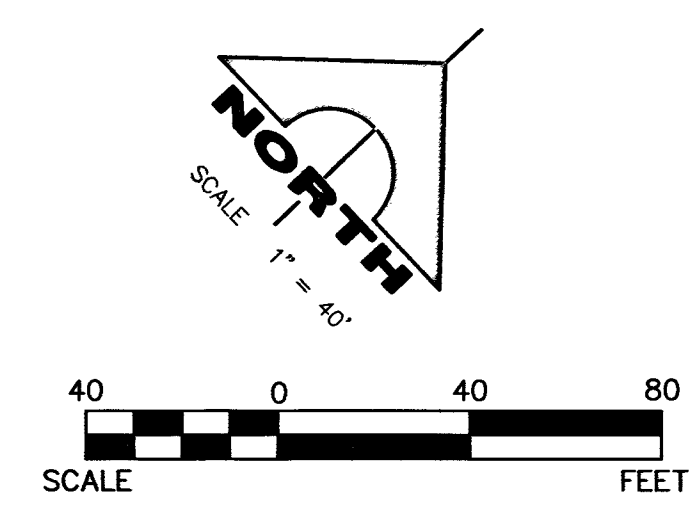
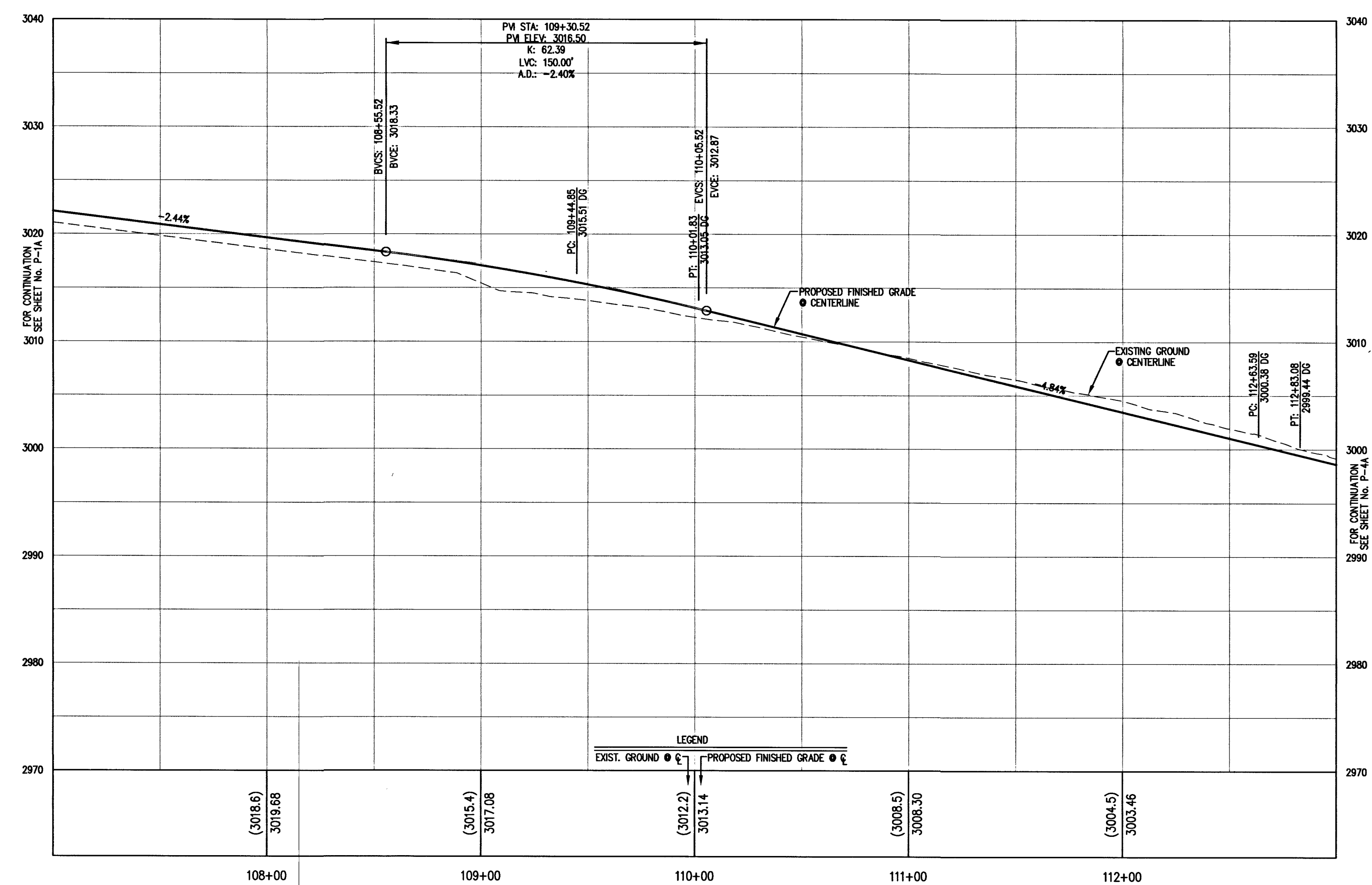
- GRADING NOTES:**
- CONSTRUCT 80' WIDE PUBLIC STREET SECTION PER DETAIL "1", SHEET D-1.
 - CONSTRUCT 80' WIDE PUBLIC STREET SECTION PER DETAIL "2", SHEET D-1.
 - CONSTRUCT 80' WIDE PUBLIC STREET SECTION PER DETAIL "3", SHEET D-1.
 - CONSTRUCT 37' WIDE PUBLIC STREET SECTION PER DETAIL "4", SHEET D-1.
 - NOT USED.
 - NOT USED.
 - CONSTRUCT 44' WIDE PUBLIC STREET SECTION PER DETAIL "24", SHEET D-1.
 - CONSTRUCT "L" TYPE CURB PER U.S.D.C.C.A. DWG #216.
 - CONSTRUCT 4" THICK CONCRETE SIDEWALK PER U.S.D.C.C.A. DWG #234.
 - CONSTRUCT "A" TYPE CURB PER U.S.D.C.C.A. DWG #219.
 - CONSTRUCT SIDEWALK RAMP PER U.S.D.C.C.A. DWG #235 CASE I.
 - SAWCUT & REMOVE EXISTING AC. INSTALL NEW AC, MATCH EXISTING
 - INSTALL "L" CURB PER DETAIL 22, SHEET D-1.
 - INSTALL WATER QUALITY MANAGEMENT STAMP AND SIGN PER U.S.D.C.C.A. DWG #421.
 - INSTALL SIDEWALK UNDERDRAIN PER U.S.D.C.C.A. DWG #236.

REFERENCE PKWY
FOR CONTINUATION
SEE SHEET NO. P-1A



REVERENCE PARKWAY

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



BENCHMARK
PROJECT DATUM: SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM
CLARK COUNTY VERTICAL CONTROL POINT: SLV09 1456
SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM: 3227.64 FEET
NAVDB8 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 - REVERENCE PROJECT MODIFIED DATUM ADD 0.42 FEET TO NAVDB8 DATUM.

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 IN FILE 112, PAGE 94 OF PARCEL MAPS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

LEGEND			
1	SIGHT VISIBILITY ZONE NO IMPROVEMENTS OVER 24" IN HEIGHT, EXCEPT TRAFFIC CONTROL DEVICES	C1	BACK OF CURB CURVE DATA
PE = 59.0	PAD ELEVATION	CL1	CENTERLINE CURVE DATA
FF = 59.0	FINISH FLOOR ELEVATION	56	EXISTING CONTOUR
(1+00.00)	CURB LINE STATIONING	10+00.00	TOP OF CURB GRADE
HP	HIGH POINT	(21.12)	EXISTING ELEVATION
AC	ASPHALTIC CONCRETE	(21.12)	FUTURE/DESIGN ELEVATION
21.12	FINISHED GRADE	21.12	GRADE BREAK

- GRADING NOTES:**
- CONSTRUCT 80" WIDE PUBLIC STREET SECTION PER DETAIL "1", SHEET D-1.
 - CONSTRUCT 80" WIDE PUBLIC STREET SECTION PER DETAIL "2", SHEET D-1.
 - CONSTRUCT 80" WIDE PUBLIC STREET SECTION PER DETAIL "3", SHEET D-1.
 - CONSTRUCT 37" WIDE PUBLIC STREET SECTION PER DETAIL "4", SHEET D-1.
 - NOT USED.
 - NOT USED.
 - CONSTRUCT 44" WIDE PUBLIC STREET SECTION PER DETAIL "24", SHEET D-1.
 - CONSTRUCT "L" TYPE CURB PER U.S.D.C.C.A. DWG #216.
 - CONSTRUCT 4" THICK CONCRETE SIDEWALK PER U.S.D.C.C.A. DWG #234.
 - CONSTRUCT "A" TYPE CURB PER U.S.D.C.C.A. DWG #219.
 - CONSTRUCT SIDEWALK RAMP PER U.S.D.C.C.A. DWG #235 CASE I.
 - SAWCUT & REMOVE EXISTING AC. INSTALL NEW AC. MATCH EXISTING
 - INSTALL "L" CURB PER DETAIL 22, SHEET D-1.
 - INSTALL WATER QUALITY MANAGEMENT STAMP AND SIGN PER U.S.D.C.C.A. DWG #421.
 - INSTALL SIDEWALK UNDERDRAIN PER U.S.D.C.C.A. DWG #236.

LINE TABLE		
LINE	LENGTH	BEARING
L2	132.31'	S41° 27' 41.32"W
L3	140.26'	S40° 07' 38.31"W
L12	140.26'	S40° 07' 38.31"W
L13	123.32'	S38° 48' 54.85"W
L16	261.76'	S40° 07' 38.31"W

CURVE TABLE			
CURVE	RADIUS	LENGTH	DELTA
C2	978.00'	32.95'	001°55'50"
C3	1018.50'	19.84'	001°06'59"
C21	981.50'	19.12'	001°06'59"
C22	700.00'	55.92'	004°34'36"
C25	1000.00'	56.98'	003°15'53"
C26	1000.00'	19.48'	001°06'59"

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

FAST
Call before you UnderGround
1-702-432-5300
TRENCH AND MATERIAL SYSTEM OF INNOVATION

CALL BEFORE YOU DO OVERHEAD
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
1-702-227-2929

I CERTIFY THAT THIS PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.
WESLEY T. PETTY, P.E. 16369
DATE: 10/17/16
H# 0532618839
CLV DWG# 107Y4950-AR

STATE OF NEVADA
WESLEY T. PETTY
P.E. 16369
10/17/2016
DATE: 10/17/16

PROJECT NO.
764-204-018

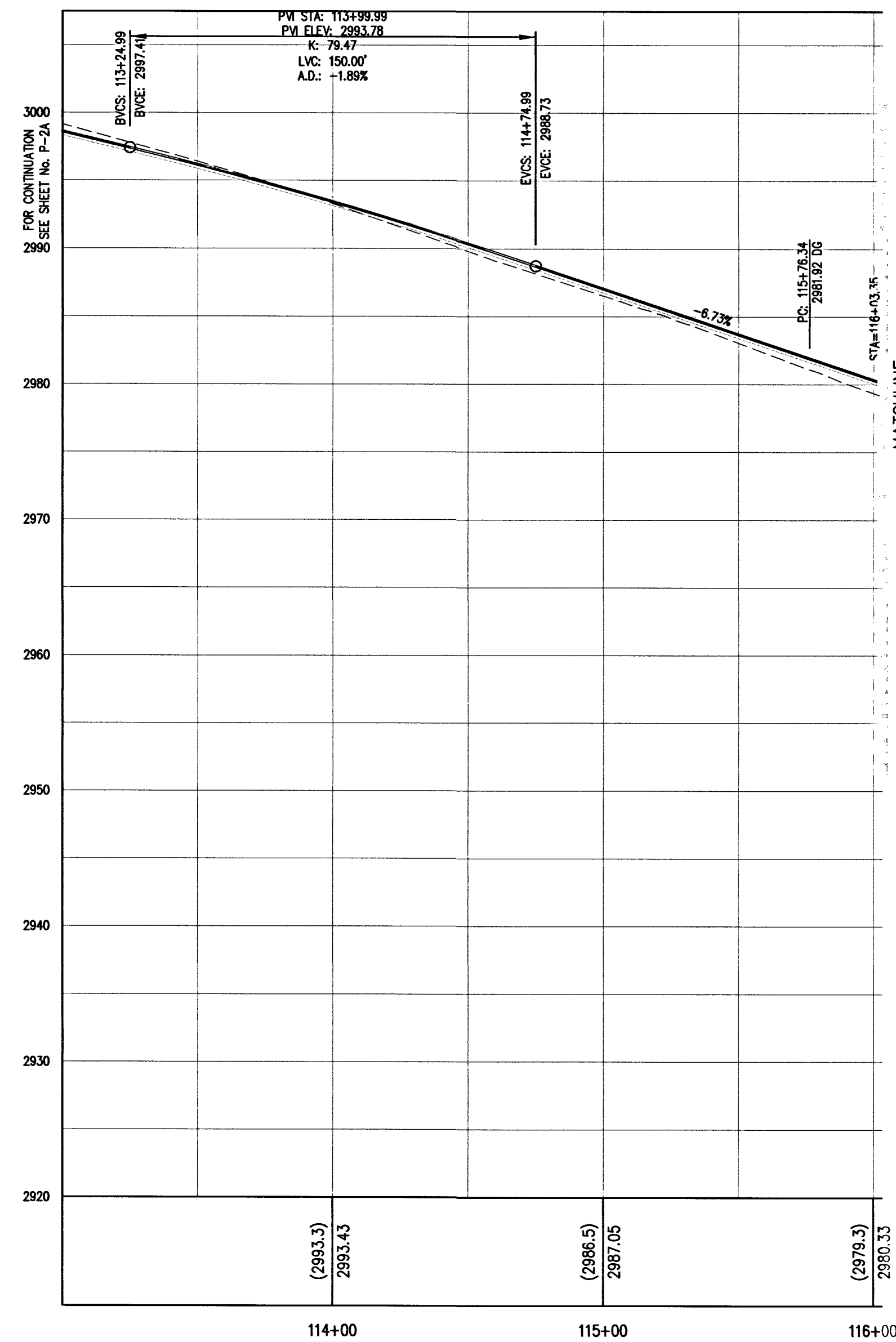
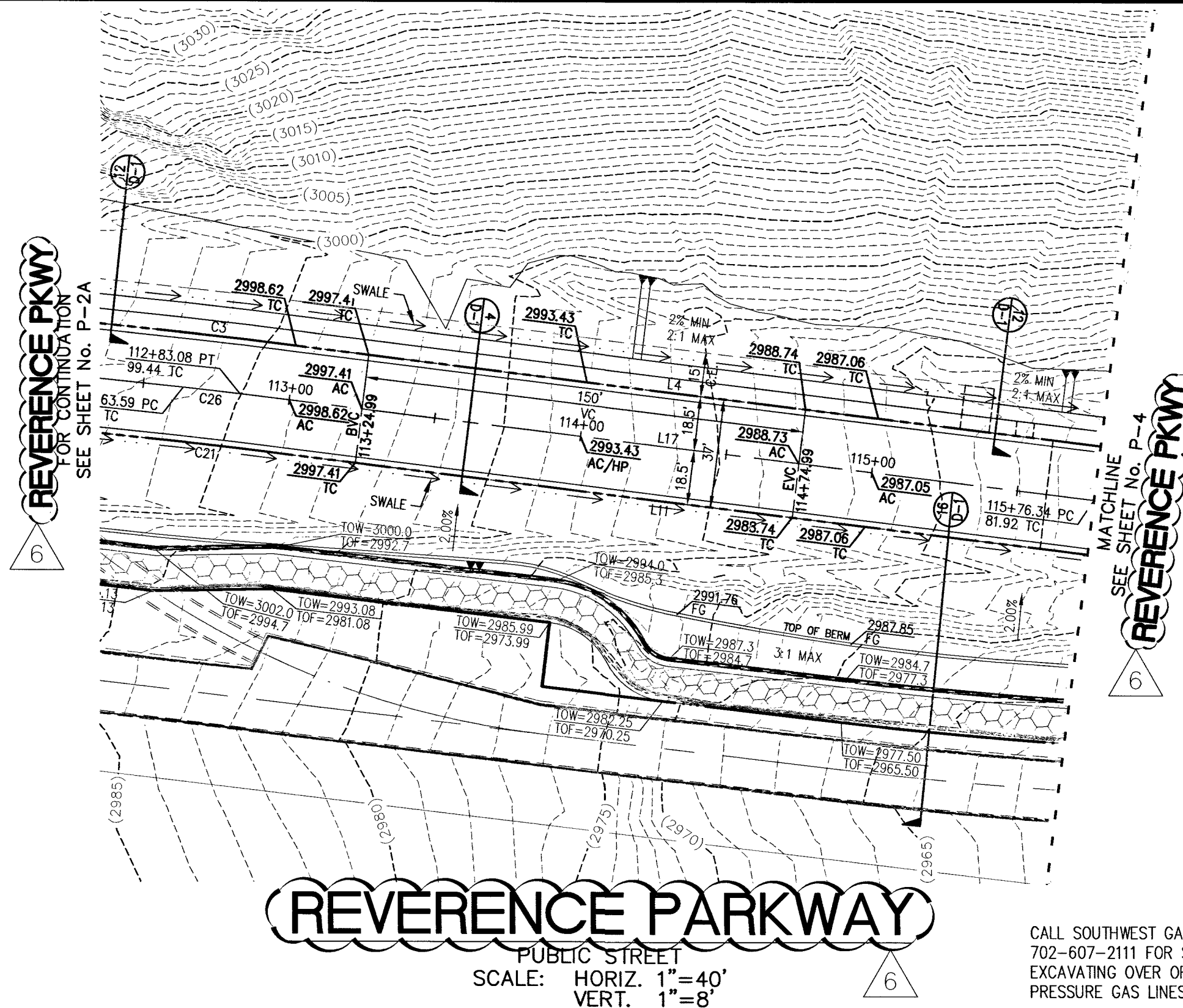
DESIGN: HN
DRAWN: HN
CHECK: WP
PLOT DATE: 10-12-16
PLOT TIME: 16:05:53

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcvengineering.com

GCV
ENGINEERS & SURVEYORS
Nathan Lim

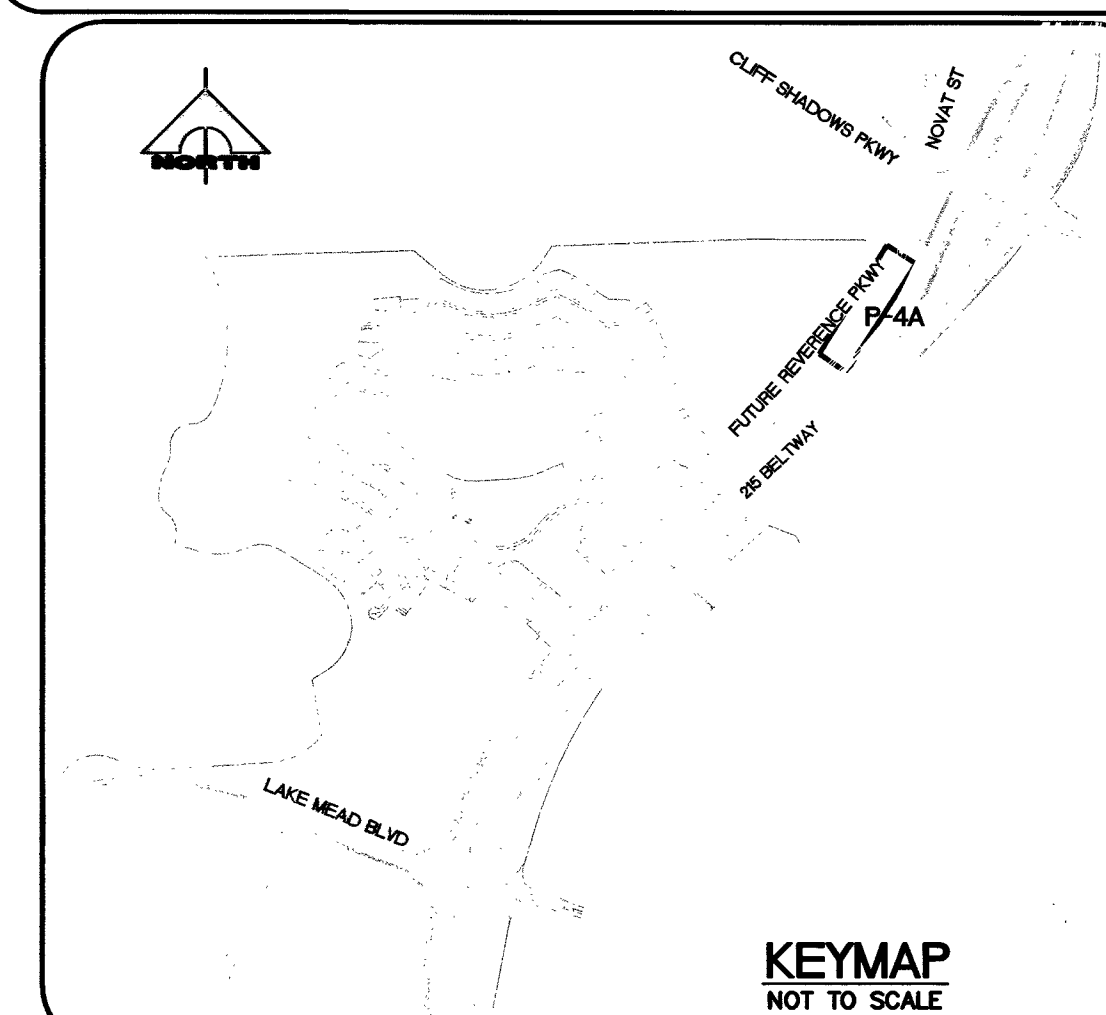
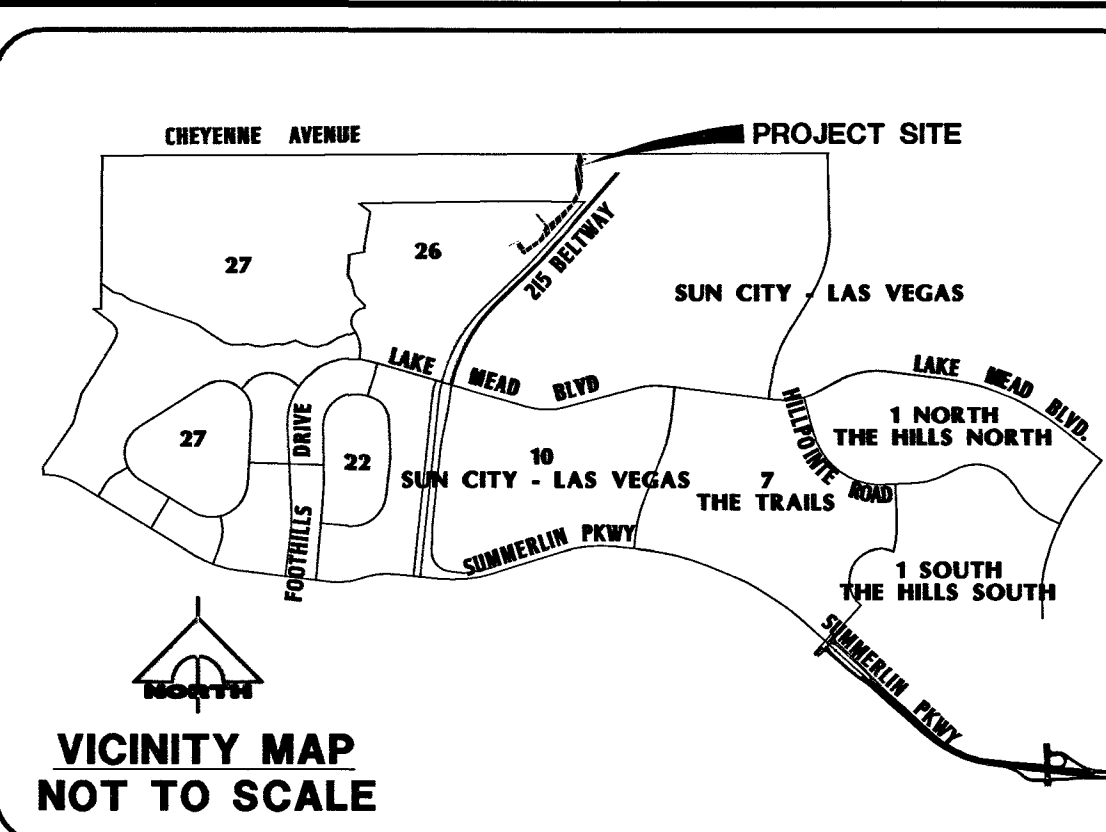
DESERT HOPE DRIVE - ACCESS ROAD - (NVA REVERENCE PARKWAY)
REVERENCE (VILLAGE 26)
PULTE HOMES
STREET PLAN AND PROFILE (REVERENCE PARKWAY)

DRAWING
P-2A
5A OF 26 SHTS



LINE TABLE		
LINE	LENGTH	BEARING
L4	293.27'	N41° 14' 37.17"E
L11	293.27'	N41° 14' 37.17"E
L17	293.27'	N41° 14' 37.17"E

CURVE TABLE			
CURVE	RADIUS	LENGTH	DELTA
C3	1018.50'	19.84'	001°06'59"
C4	510.00'	26.07'	002°55'42"
C5	510.00'	17.35'	001°56'58"
C20	547.00'	27.96'	002°55'42"
C21	981.50'	19.12'	001°06'59"
C26	1000.00'	19.48'	001°06'59"
C27	528.50'	27.01'	002°55'42"
C28	528.50'	17.98'	001°56'58"



BENCHMARK
PROJECT DATUM: SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM
CLARK COUNTY VERTICAL CONTROL POINT: SLV09 1456
SUMMERLIN VILLAGE 26 - REVERENCE 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 - REVERENCE PROJECT MODIFIED DATUM ADD 0.42 FEET TO NAVD88 DATUM.

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 IN FILE 112, PAGE 94 OF PARCEL MAPS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

LEGEND	
1	SIGHT VISIBILITY ZONE
PE = 59.0	PAD ELEVATION
FF = 59.0	FINISH FLOOR ELEVATION
(1+00.00)	CURB LINE STATIONING
21.12 HP	HIGH POINT
21.12 AC	ASPHALTIC CONCRETE
21.12 FG	FINISHED GRADE
C1	BACK OF CURB CURVE DATA
CL1	CENTERLINE CURVE DATA
56	EXISTING CONTOUR
RETAINING WALL	RETAINING WALL
10+00.00 21.12 TC	TOP OF CURB GRADE
(21.12)	EXISTING ELEVATION
[21.12]	FUTURE/DESIGN ELEVATION
21.12 21.12	GRADE BREAK

- GRADING NOTES:**
- CONSTRUCT 80' WIDE PUBLIC STREET SECTION PER DETAIL "1", SHEET D-1.
 - CONSTRUCT 80' WIDE PUBLIC STREET SECTION PER DETAIL "2", SHEET D-1.
 - CONSTRUCT 80' WIDE PUBLIC STREET SECTION PER DETAIL "3", SHEET D-1.
 - CONSTRUCT 37' WIDE PUBLIC STREET SECTION PER DETAIL "4", SHEET D-1.
 - NOT USED.
 - NOT USED.
 - CONSTRUCT 44' WIDE PUBLIC STREET SECTION PER DETAIL "24", SHEET D-1.
 - CONSTRUCT "L" TYPE CURB PER U.S.D.C.C.A. DWG #216.
 - CONSTRUCT 4" THICK CONCRETE SIDEWALK PER U.S.D.C.C.A. DWG #234.
 - CONSTRUCT "A" TYPE CURB PER U.S.D.C.C.A. DWG #219.
 - CONSTRUCT SIDEWALK RAMP PER U.S.D.C.C.A. DWG #235 CASE I.
 - SAWCUT & REMOVE EXISTING AC. INSTALL NEW AC, MATCH EXISTING
 - INSTALL "L" CURB PER DETAIL 22, SHEET D-1.
 - INSTALL WATER QUALITY MANAGEMENT STAMP AND SIGN PER U.S.D.C.C.A. DWG #421.
 - INSTALL SIDEWALK UNDERDRAIN PER U.S.D.C.C.A. DWG #236.

I CERTIFY THAT THIS PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.
(DS4060)
WESLEY T. PETTY, P.E. 16369
DATE: 10/13/16

WESLEY T. PETTY
P.E. 16369
10/13/16

PROJECT NO. 764-204-013

DESIGN: HN
DRAWN: HN
CHECK: WP

PLOT DATE: 10-12-16
PLOT TIME: 15:18:24

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gowingengineering.com

ENGINEERS & SURVEYORS

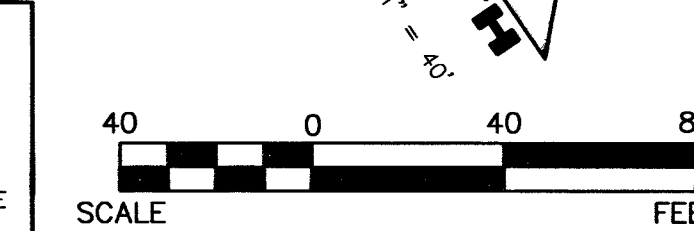
DESERT HOPE DRIVE - ACCESS ROAD - (AKA REVERENCE PARKWAY)
REVERENCE (VILLAGE 26)

PULTE HOMES

STREET PLAN AND PROFILE
(REVERENCE PARKWAY)

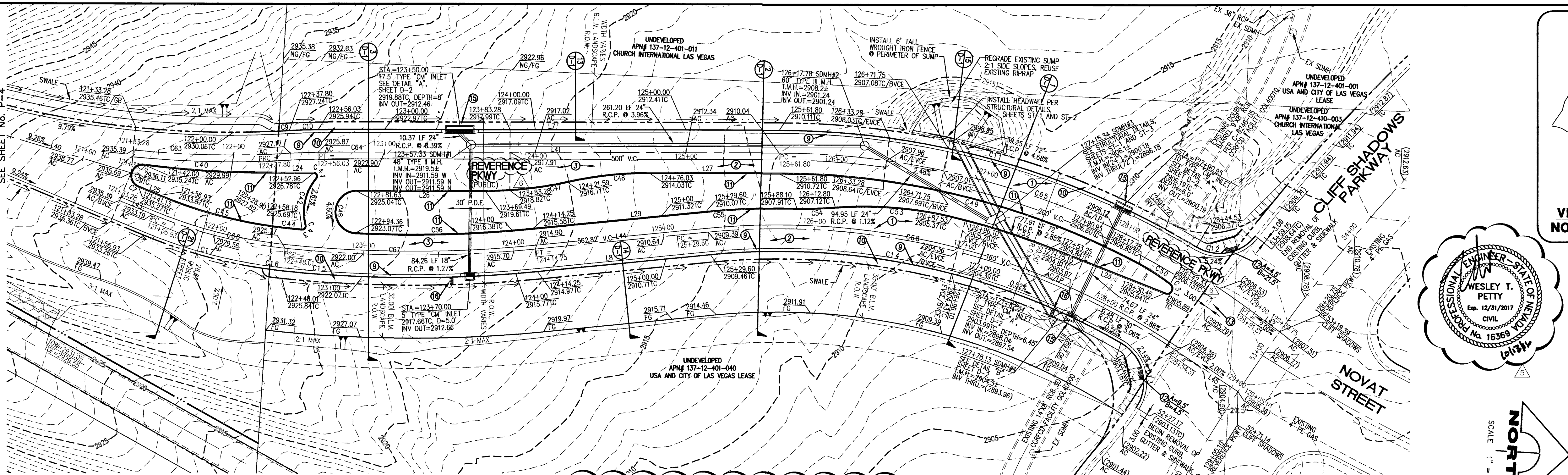
DRAWING
P-4A
7A OF 26 SHTS

Clark County Public Works Design - BELTWAY Date
NOTE: AN ENCROACHMENT PERMIT FROM THE CLARK COUNTY DEPARTMENT OF DEVELOPMENT SERVICES IS REQUIRED FOR ANY WORK WITHIN OR ADJUTING THE RIGHT OF WAY FOR CLARK COUNTY 215 BRUCE WOODBURY BELTWAY, FOR DETAILS CALL (702) 455 4600



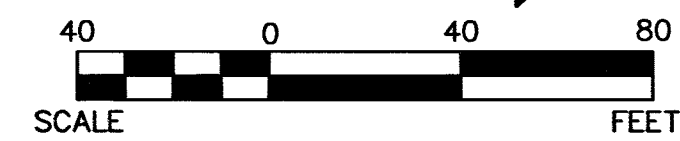
REFERENCE PARKWAY
(PUBLIC)

FOR CONTINUATION
SEE SHEET NO. P-4



REFERENCE PARKWAY SOUTH BOUND LANES

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



Clark County Public Works Design - BELTWAY Date

NOTE: AN ENCROACHMENT PERMIT FROM THE CLARK COUNTY DEPARTMENT OF DEVELOPMENT SERVICES IS REQUIRED FOR ANY WORK WITHIN OR ADJUTING THE RIGHT OF WAY FOR CLARK COUNTY 215 BRUCE WOODBURY BELTWAY, FOR DETAILS CALL (702) 455 4600

LINE	LENGTH	BEARING
L7	305.77	S03°26'03"E
L8	115.35	S09°07'37"E
L23	23.47	N39°28'26"W
L24	35.29	S03°26'03"E
L25	15.80	N19°04'58"E
L26	85.51	S03°26'03"E
L27	85.77	S03°26'03"E
L28	81.47	S17°57'53"W
L29	115.35	S09°07'37"E
L40	123.06	N13°05'09"E
L41	305.77	S03°26'03"E
L42	28.95	N32°43'08"E
L43	23.65	N19°04'58"E
L44	115.35	S09°07'37"E
L45	50.79	N30°12'23"E

CURVE	LENGTH	RADIUS	DELTA	TANGENT
C8	467.16	625.00	42°49'35"	245.10
C9	6.95	625.00	0°38'15"	3.48
C10	19.18	300.00	3°39'50"	9.58
C11	290.84	538.00	30°58'25"	149.07
C12	43.33	30.00	82°44'57"	26.42
C13	49.18	30.00	93°55'45"	32.13
C14	282.85	458.00	35°23'04"	146.10
C15	169.27	838.00	11°34'24"	84.92
C16	13.46	328.67	2°20'45"	6.73
C17	81.98	328.67	14°17'26"	41.20
C18	20.86	7.25	164°52'40"	54.62
C40	77.53	600.67	72°34'42"	38.82
C41	4.53	2.00	129°52'02"	4.28
C42	33.44	35.16	54°29'47"	18.11
C43	3.83	2.00	109°48'07"	2.85
C44	10.90	869.33	0°42'29"	5.00
C45	87.11	300.00	16°38'10"	43.86
C46	42.78	13.82	177°20'46"	596.64
C47	54.88	250.00	12°34'41"	27.55
C48	54.88	250.00	12°34'41"	27.55
C49	248.81	509.33	27°59'20"	126.94
C50	24.43	150.00	9°19'50"	12.24
C51	9.52	3.33	163°50'36"	23.46
C52	68.13	494.67	7°57'39"	34.42
C53	78.13	250.00	17°34'20"	39.38
C54	25.56	250.00	5°51'26"	12.79
C55	60.19	486.67	7°05'10"	30.13
C56	117.90	809.33	8°20'48"	59.05
C57	104.52	640.00	9°21'27"	52.38
C58	18.22	285.00	3°39'50"	9.12
C59	330.01	523.00	30°59'11"	170.71
C60	91.08	313.67	16°38'10"	45.86
C61	166.24	823.00	11°34'24"	83.40
C62	324.71	473.00	39°20'00"	169.05

NOTE:

PRIVATE STREETS ARE P.U.E.'S, PUBLIC SEWER EASEMENTS, AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY H.O.A.
ALL DRAINAGE EASEMENTS WILL BE COMMON LOTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOMEOWNERS ASSOCIATION.

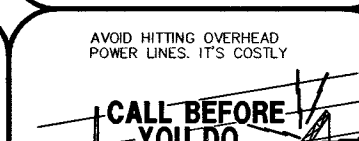
Call before you Dig
Avoid cutting underground utility lines. It's costly.



OR
1-800-227-2600



Call before you dig
Underground
1-702-432-5300
FREIGHTWAY AND AIRPORT SYSTEM OF TRANSPORTATION



Call before you dig
Underground
1-702-227-2929

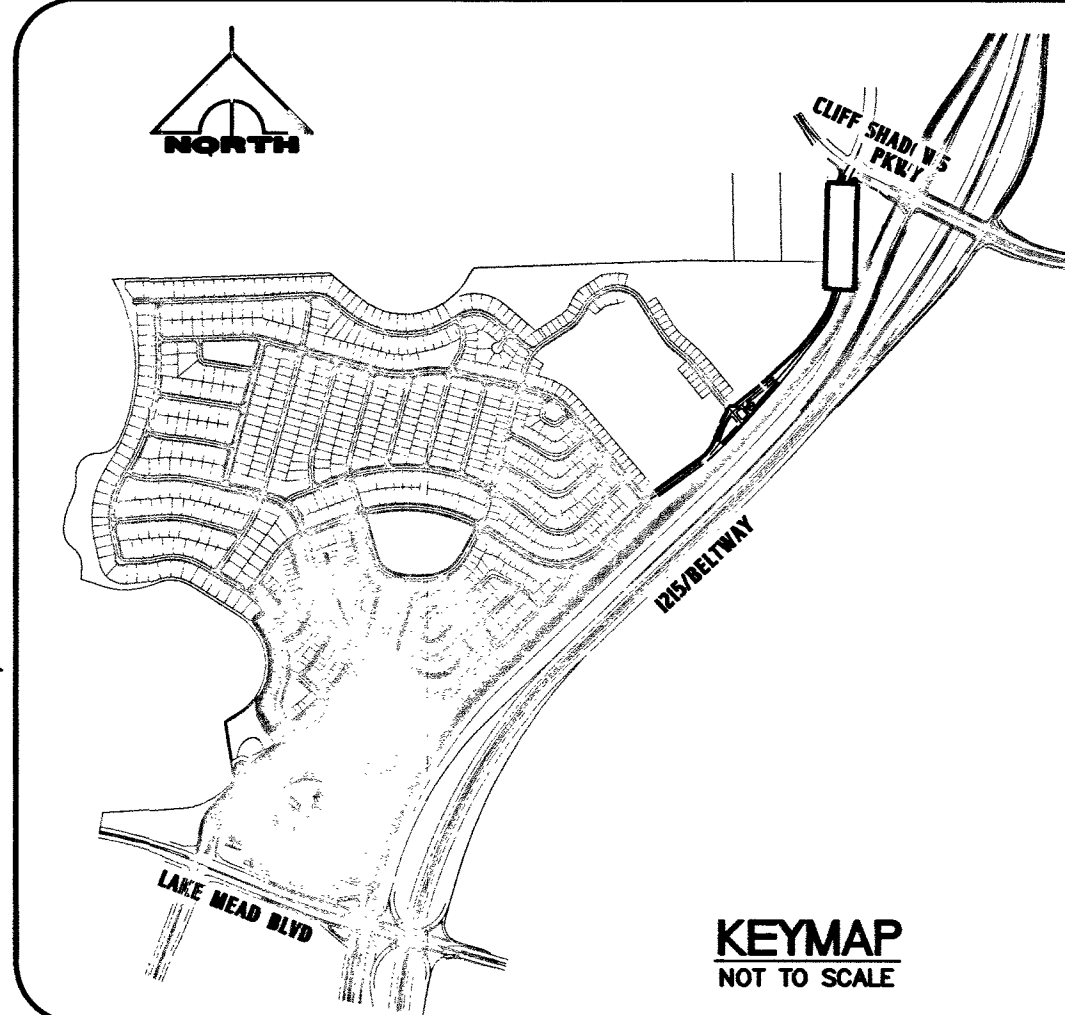
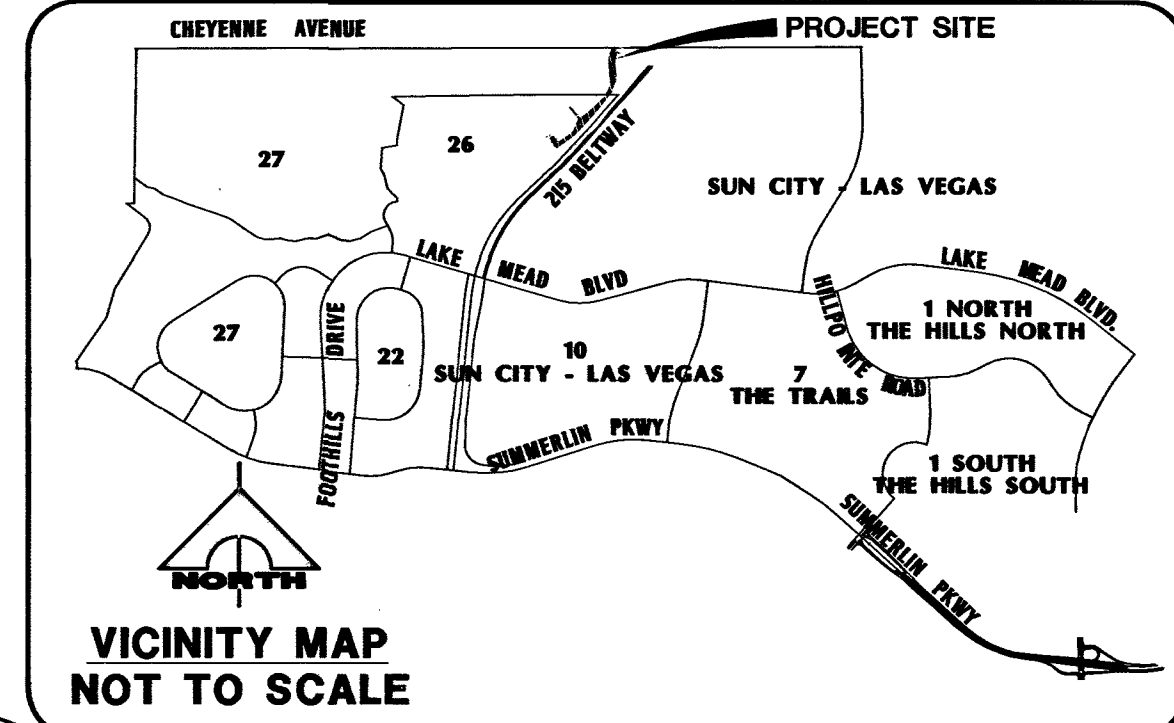
GRADING NOTES:

- CONSTRUCT 80' WIDE PUBLIC STREET SECTION PER DETAIL "1", SHEET D-1.
- CONSTRUCT 80' WIDE PUBLIC STREET SECTION PER DETAIL "2", SHEET D-1.
- CONSTRUCT 80' WIDE PUBLIC STREET SECTION PER DETAIL "3", SHEET D-1.
- CONSTRUCT 37' WIDE PRIVATE STREET SECTION PER DETAIL "4", SHEET D-1.
- CONSTRUCT 40' WIDE PRIVATE STREET SECTION PER DETAIL "5", SHEET D-1.
- CONSTRUCT 28' WIDE PRIVATE STREET SECTION PER DETAIL "6", SHEET D-1.
- CONSTRUCT 37' WIDE PRIVATE STREET SECTION PER DETAIL "7", SHEET D-1.
- CONSTRUCT "L" TYPE CURB PER U.S.D.C.C.A. DWG #218.
- CONSTRUCT 4" THICK CONCRETE SIDEWALK PER U.S.D.C.C.A. DWG #234.
- CONSTRUCT "A" TYPE CURB PER U.S.D.C.C.A. DWG #219.
- CONSTRUCT SIDEWALK RAMP PER U.S.D.C.C.A. DWG #235 CASE I.
- SAWCUT & REMOVE EXISTING AC. INSTALL NEW AC, MATCH EXISTING
- INSTALL "L" CURB PER DETAIL 22, SHEET D-1.
- INSTALL STORM WATER QUALITY MANAGEMENT STAMP AND SIGN PER U.S.D.C.C.A. DWG #421.
- INSTALL SIDEWALK UNDERDRAIN PER U.S.D.C.C.A. DWG #236.

I CERTIFY THAT THIS PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.
(DS4060)

DOUGLAS E. BERGSTROM, P.E. 17103
DATE 4/23/07

CLV DRAWING NO. 107Y4950-AR



BENCHMARK

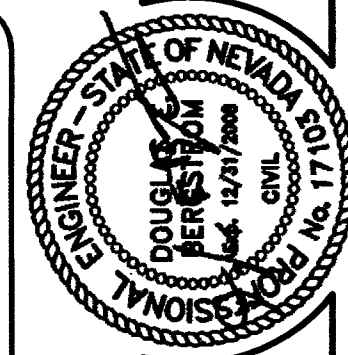
PROJECT DATUM: SUMMERLIN VILLAGE 26 - REFERENCE PROJECT MODIFIED DATUM
CLARK COUNTY VERTICAL CONTROL POINT: SLV09 1456
SUMMERLIN VILLAGE 26 - REFERENCE PROJECT MODIFIED DATUM: 3227.64 FEET
NAVDS88 DATUM: 983.659 METERS (3227.22 FEET)
RIVET & PLATE IN HEAD WALL WEST OF CC215 +/-250' NORTH OF LAKE MEAD.
TO OBTAIN SUMMERLIN VILLAGE 26 - REFERENCE PROJECT MODIFIED DATUM ADD 0.42 FEET TO NAVDS88 DATUM.

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 IN FILE 112, PAGE 94 OF PARCEL MAPS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

LEGEND

- 1 SIGHT VISIBILITY ZONE NO IMPROVEMENTS OVER 24" IN HEIGHT, EXCEPT TRAFFIC CONTROL DEVICES
- PE = 59.0 PAD ELEVATION
- FF = 59.0 FINISH FLOOR ELEVATION
- (1+00.00) CURB LINE STATIONING
- 21.12 HP HIGH POINT
- 21.12 AC ASPHALTIC CONCRETE
- 21.12 FG FINISHED GRADE
- C1 BACK OF CURB CURVE DATA
- CL1 CENTERLINE CURVE DATA
- 56 EXISTING CONTOUR
- 10+00.00 TOP OF CURB GRADE
- 21.12TC EXISTING ELEVATION
- 21.12 FUTURE/DESIGN ELEVATION
- 21.12TC GRADE BREAK
- SCARP
- RETAINING WALL



G. C. WALLACE COMPANIES
ENGINEERS | PLANNERS | SURVEYORS
1555 S. RAINBOW BOULEVARD, LAS VEGAS, NV 89146
P: 702.804.2200 F: 702.804.2209 GCWALLACE.COM

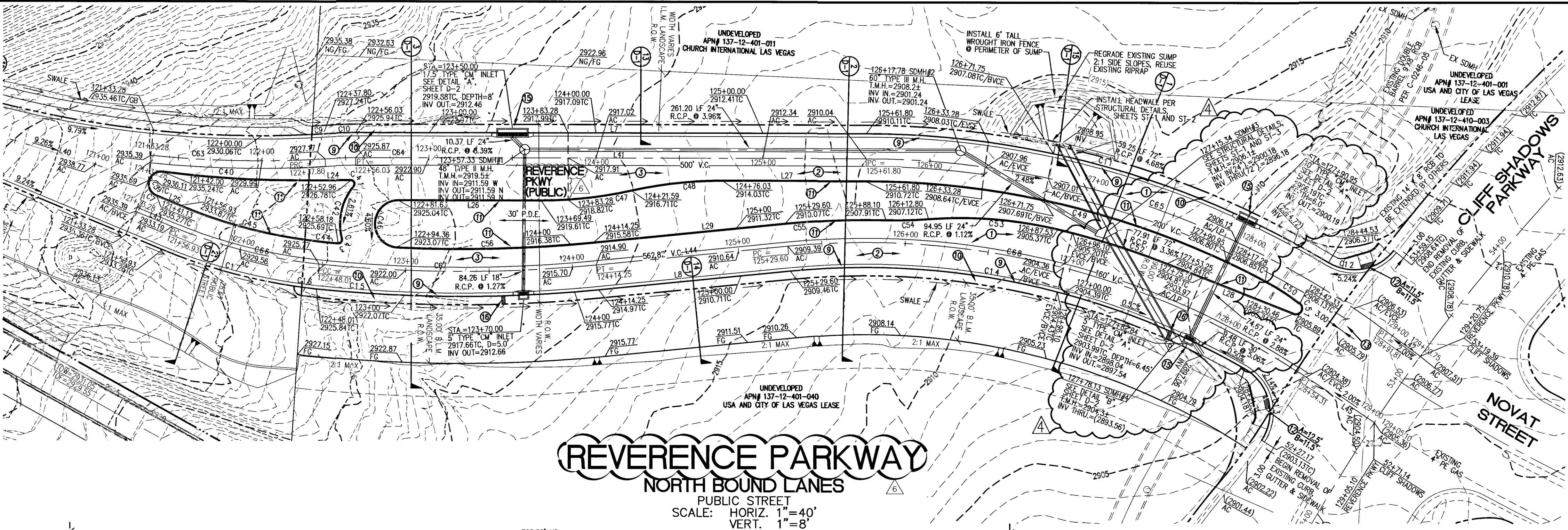
DESERT HOPE DRIVE - ACCESS ROAD
REFERENCE (VILLAGE 26)
PULTE HOMES
STREET PLAN AND PROFILE
REFERENCE PARKWAY (SOUTH BOUND LANES)

DRAWING
P-5

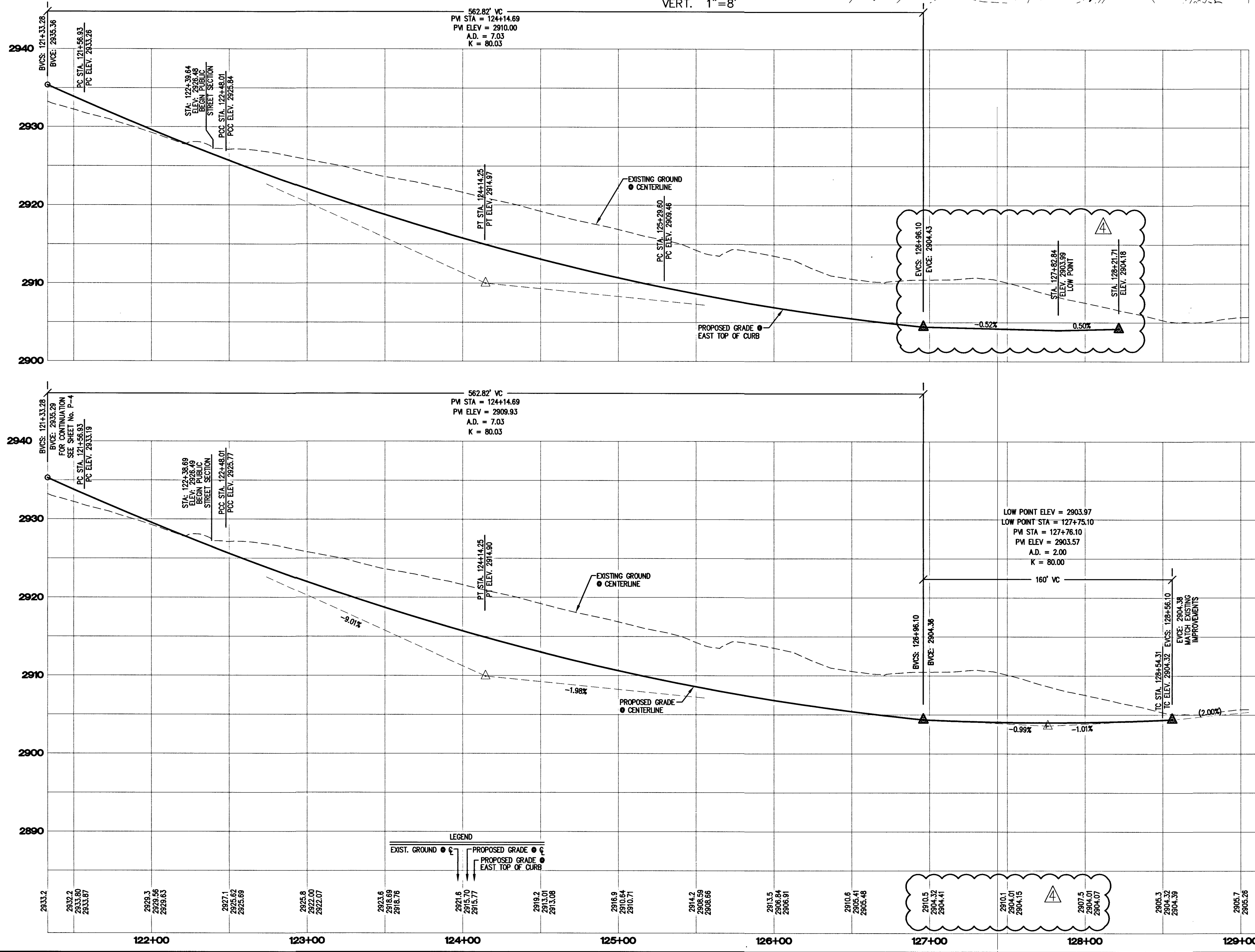
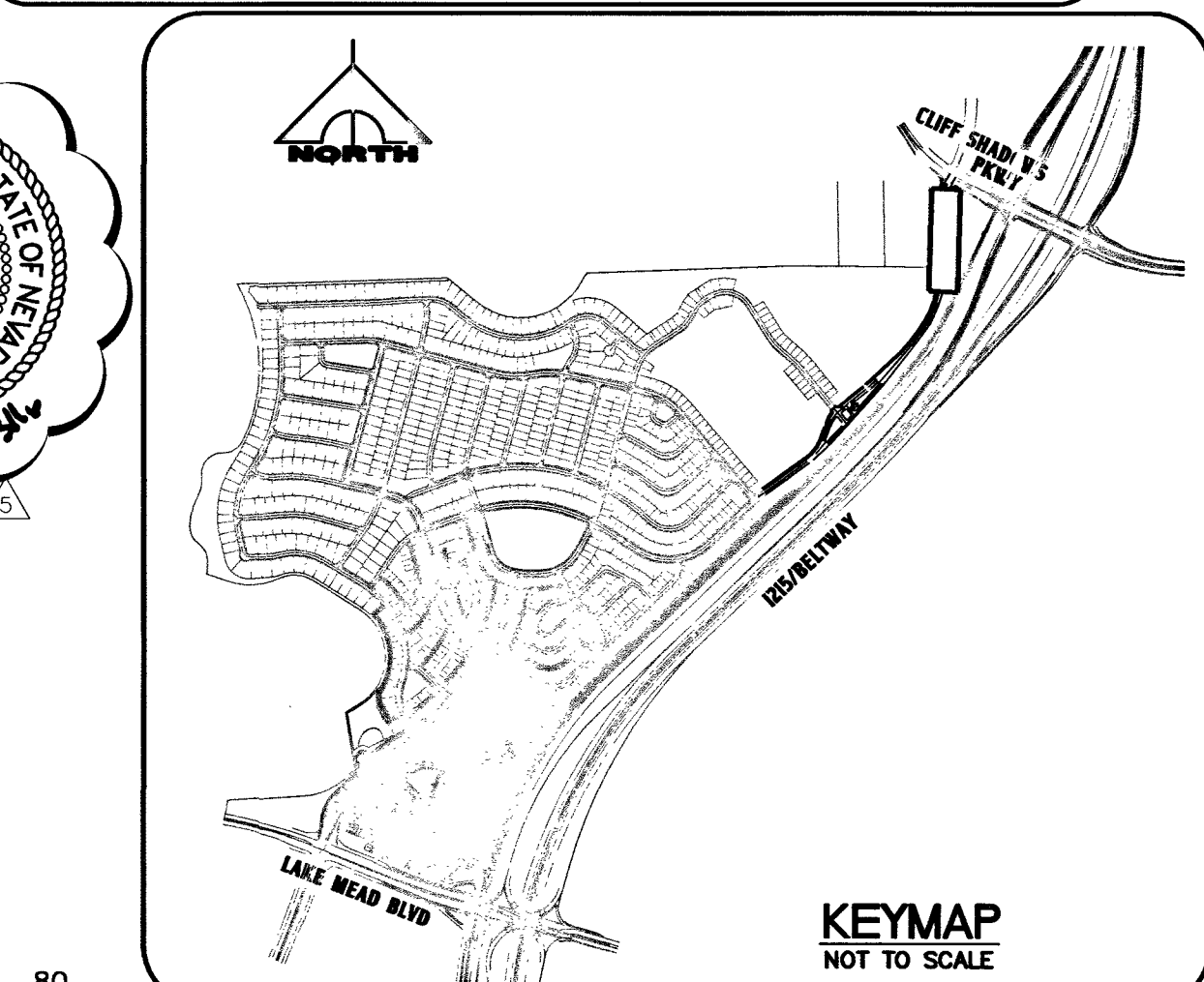
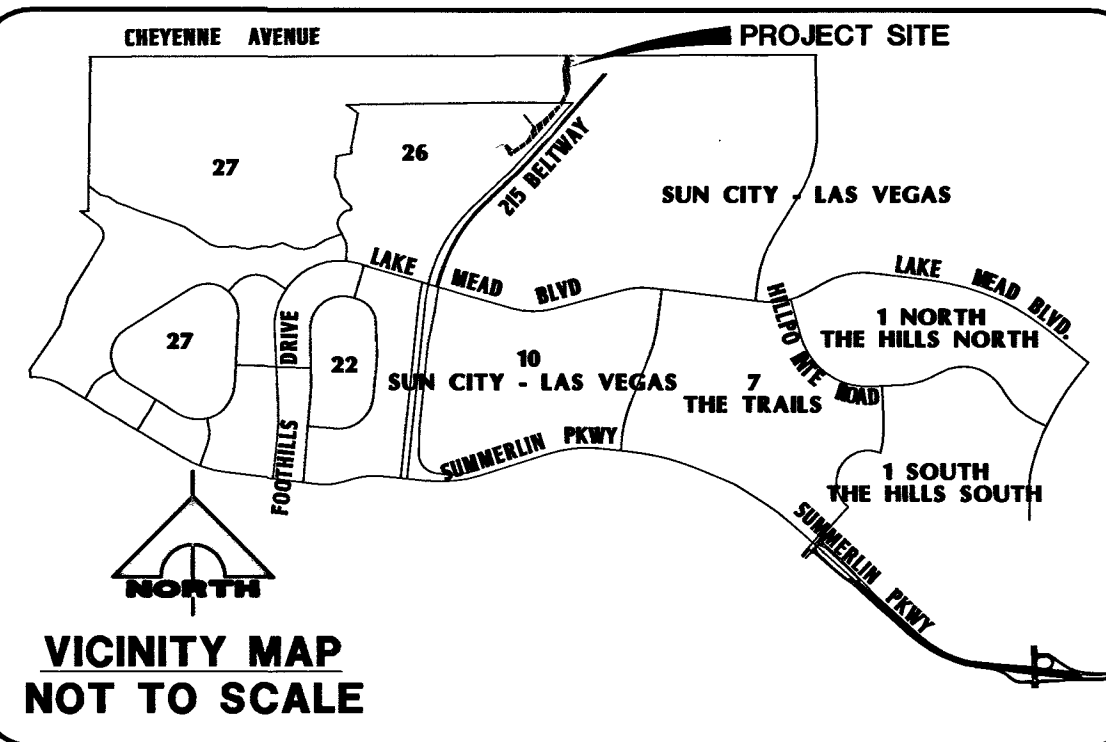
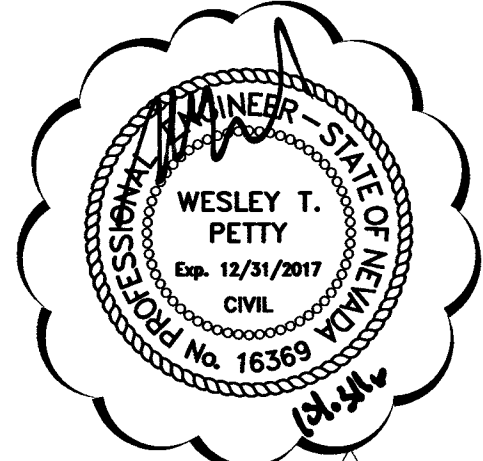
8 OF 26 SHTS

REFERENCE PARKWAY (PUBLIC)

FOR CONTINUATION SEE SHEET NO. P-4



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



Clark County Public Works Design - BELTWAY Date

NOTE: AN ENCROACHMENT PERMIT FROM THE CLARK COUNTY DEPARTMENT OF DEVELOPMENT SERVICES IS REQUIRED FOR ANY WORK WITHIN OR ABUTTING THE RIGHT OF WAY FOR CLARK COUNTY 215 BRUCE WOODBURY BELTWAY, FOR DETAILS CALL (702) 455 4600

LINE TABLE			CURVE TABLE				
LINE	LENGTH	BEARING	CURVE	LENGTH	RADIUS	DELTA	TANGENT
L1	305.77	S03°26'03"E	C8	467.16	625.00	42°49'35"	245.10
L2	115.35	S08°07'37"E	C9	6.95	625.00	0°38'15"	3.48
L3	23.47	N32°28'28"W	C10	19.18	300.00	3°39'50"	9.59
L4	35.29	S03°26'03"E	C11	290.84	538.00	30°58'25"	149.07
L5	15.80	N19°04'58"E	C12	43.33	30.00	82°44'57"	26.42
L6	85.51	S03°26'03"E	C13	49.18	30.00	93°55'45"	32.13
L7	85.77	S03°26'03"E	C14	282.85	458.00	35°39'04"	146.10
L8	81.47	S17°57'53"W	C15	169.27	838.00	11°34'24"	84.92
L9	115.35	S08°07'37"E	C16	13.46	328.67	2°20'45"	6.73
L10	123.06	N13°05'09"E	C17	81.98	328.67	14°17'28"	41.20
L11	305.77	S03°26'03"E	C18	20.86	7.25	164°52'40"	54.62
L12	28.95	N32°43'08"E	C19	77.53	600.67	7°34'42"	38.82
L13	23.65	N19°04'58"E	C20	4.53	2.00	129°52'02"	4.28
L14	115.35	S08°07'37"E	C21	33.44	35.16	54°29'47"	18.11
L15	50.79	N30°12'23"E	C22	3.83	2.00	109°48'07"	2.85
			C23	10.00	809.33	0°42'29"	5.00
			C24	87.11	300.00	16°36'10"	43.86
			C25	42.78	13.82	177°20'46"	596.64
			C26	54.88	250.00	12°34'41"	27.55
			C27	54.88	250.00	12°34'41"	27.55
			C28	248.81	509.33	27°59'20"	126.94
			C29	24.43	150.00	91°59'50"	12.24
			C30	9.52	1.33	163°50'36"	23.46
			C31	68.73	494.67	7°57'39"	34.42
			C32	78.13	250.00	17°54'20"	39.38
			C33	60.19	486.67	7°05'10"	30.13
			C34	117.90	809.33	8°20'48"	59.05
			C35	104.52	640.00	9°27'27"	52.39
			C36	18.22	285.00	3°39'50"	9.59
			C37	330.01	523.00	36°09'11"	170.71
			C38	91.08	313.67	16°38'10"	45.86
			C39	166.24	823.00	11°34'24"	83.40
			C40	324.71	473.00	39°20'00"	169.05

NOTE: PRIVATE STREETS ARE P.U.E.'S, PUBLIC SEWER EASEMENTS, AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY H.O.A.

ALL DRAINAGE EASEMENTS WILL BE COMMON LOTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOMEOWNERS ASSOCIATION.

BENCHMARK
PROJECT DATUM: SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM
CLARK COUNTY VERTICAL CONTROL POINT: SLV09 1456
SUMMERLIN VILLAGE 26 - REVERENCE 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 - REVERENCE PROJECT MODIFIED DATUM ADD 0.42 FEET TO NAVD88 DATUM.

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, W.D.M., AS SHOWN IN FILE 112, PAGE 94 OF PARCEL MAPS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

LEGEND		
1	SIGHT VISIBILITY ZONE NO IMPROVEMENTS OVER 24" IN HEIGHT, EXCEPT TRAFFIC CONTROL DEVICES	C1 BACK OF CURB CURVE DATA CL1 CENTERLINE CURVE DATA
PE = 59.0	LOT NUMBER	EXISTING CONTOUR
FF = 59.0	PAD ELEVATION	RETAINING WALL
(1+00.00)	FINISH FLOOR ELEVATION	TOP OF CURB GRADE
21.12 HP	CURB LINE STATIONING	21.12C EXISTING ELEVATION
21.12 AC	HIGH POINT	21.12 EXISTING ELEVATION
21.12 FG	ASPHALTIC CONCRETE	21.12 FUTURE/DESIGN ELEVATION
	FINISHED GRADE	21.12 GRADE BREAK

- GRADING NOTES:**
- CONSTRUCT 80' WIDE PUBLIC STREET SECTION PER DETAIL "1", SHEET D-1.
 - CONSTRUCT 80' WIDE PUBLIC STREET SECTION PER DETAIL "2", SHEET D-1.
 - CONSTRUCT 80' WIDE PUBLIC STREET SECTION PER DETAIL "3", SHEET D-1.
 - CONSTRUCT 37' WIDE PRIVATE STREET SECTION PER DETAIL "4", SHEET D-1.
 - CONSTRUCT 40' WIDE PRIVATE STREET SECTION PER DETAIL "5", SHEET D-1.
 - CONSTRUCT 28' WIDE PRIVATE STREET SECTION PER DETAIL "6", SHEET D-1.
 - CONSTRUCT 37' WIDE PRIVATE STREET SECTION PER DETAIL "7", SHEET D-1.
 - CONSTRUCT "L" TYPE CURB PER U.S.D.C.C.A. DWG #216.
 - CONSTRUCT "A" THICK CONCRETE SIDEWALK PER U.S.D.C.C.A. DWG #234.
 - CONSTRUCT "A" TYPE CURB PER U.S.D.C.C.A. DWG #219.
 - CONSTRUCT SIDEWALK RAMP PER U.S.D.C.C.A. DWG #235 CASE 1.
 - SAWCUT & REMOVE EXISTING AC. INSTALL NEW AC, MATCH EXISTING
 - INSTALL "L" CURB PER DETAIL 22, SHEET D-1.
 - INSTALL STORM WATER QUALITY MANAGEMENT STAMP AND SIGN PER U.S.D.C.C.A. DWG #421.
 - INSTALL SIDEWALK UNDERDRAIN PER U.S.D.C.C.A. DWG #236.

I CERTIFY THAT THIS PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.

Douglas E. Bergstrom, P.E. 17103

DATE: 4/23/07

DESERT HOPE DRIVE - ACCESS ROAD - (NVA REVERENCE VILLAGE 26)

PULTE HOMES

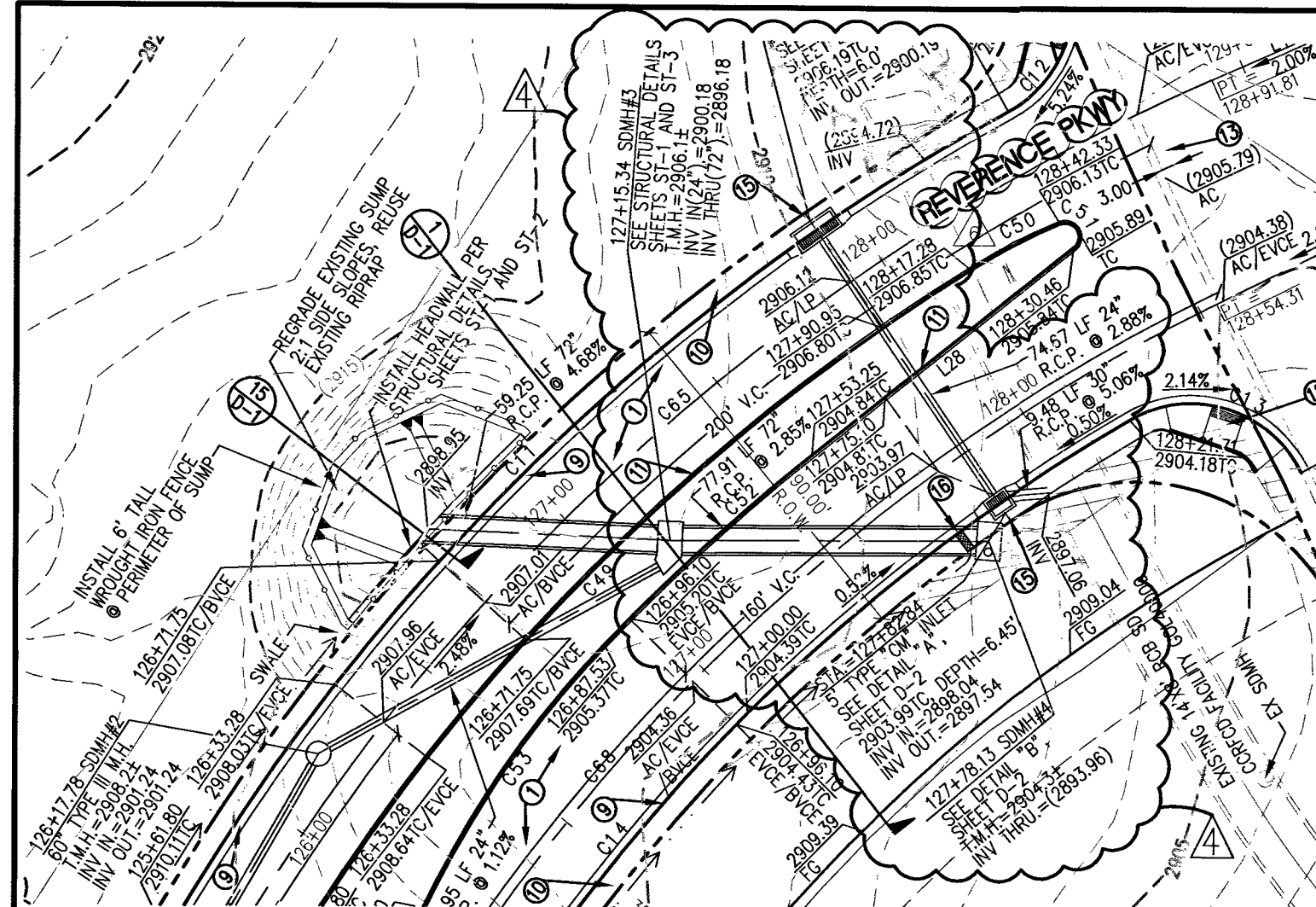
STREET PLAN AND PROFILE

REFERENCE PARKWAY (NORTH BOUND LANES)

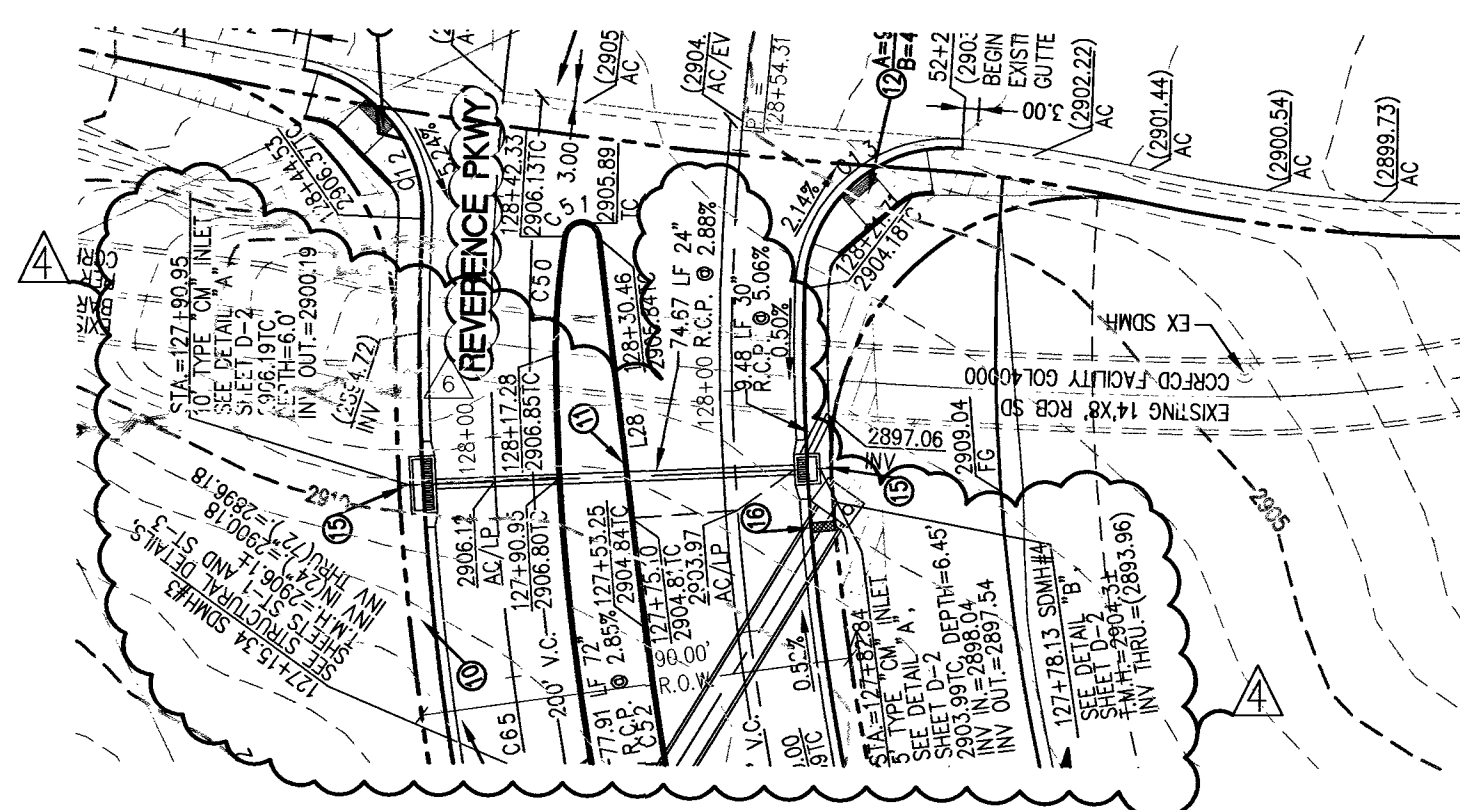
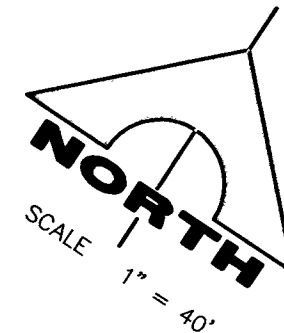
DRAWING P-6

CLV DRAWING NO. 107Y4950-AR

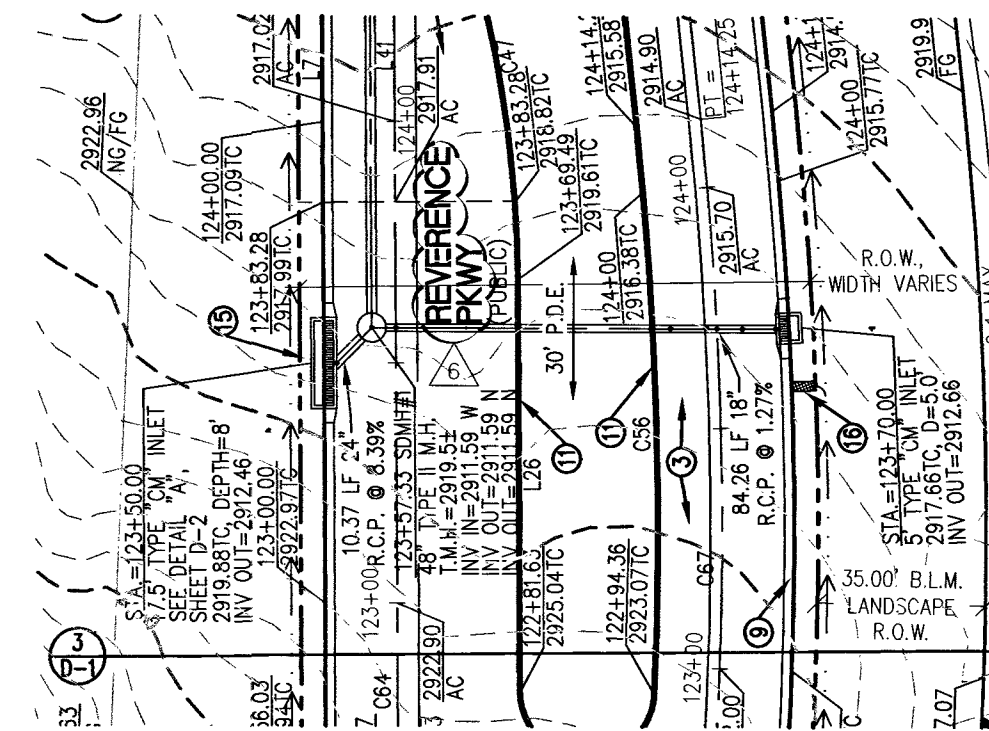
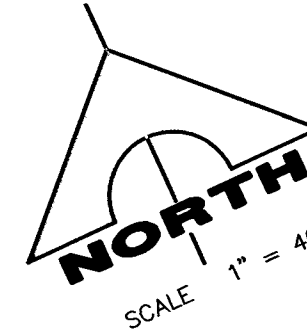
9 OF 26 SHEETS



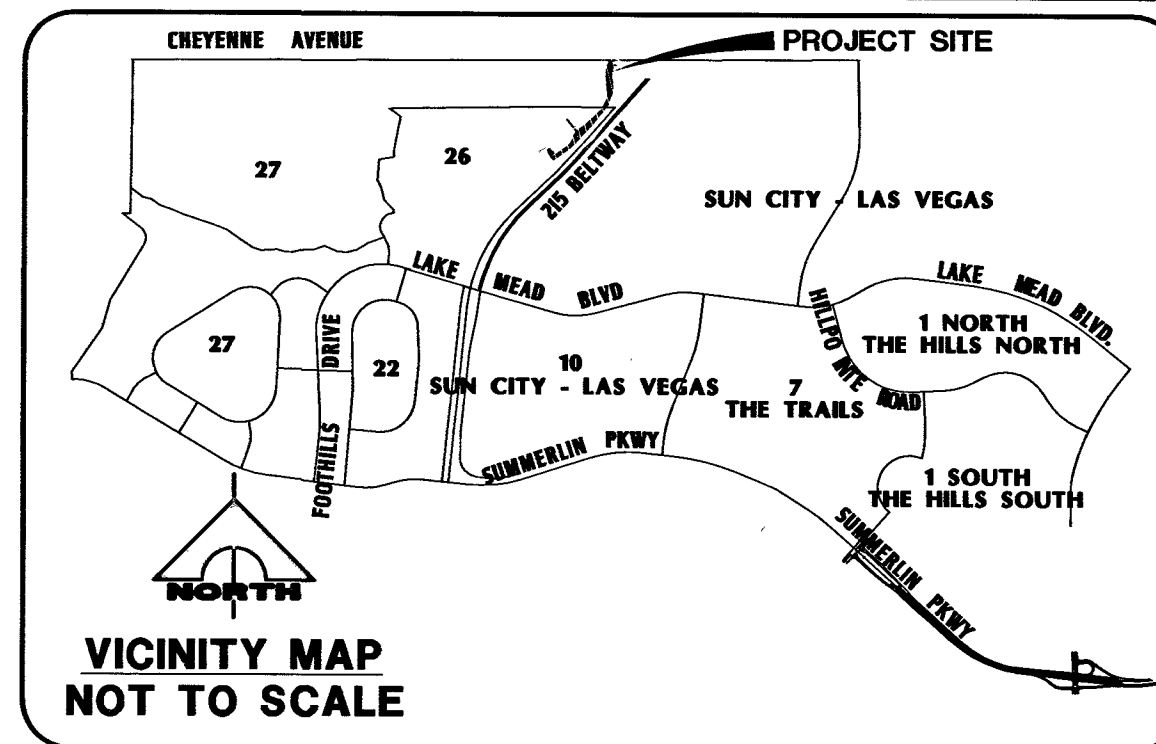
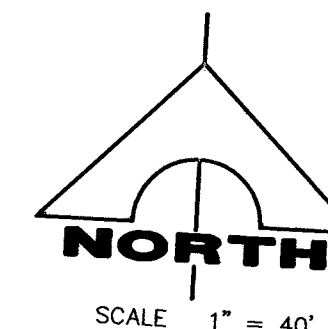
72" R.C.P.
PUBLIC STORM DRAIN
SCALE: HORIZ. 1"=40'
VERT. 1"=8'



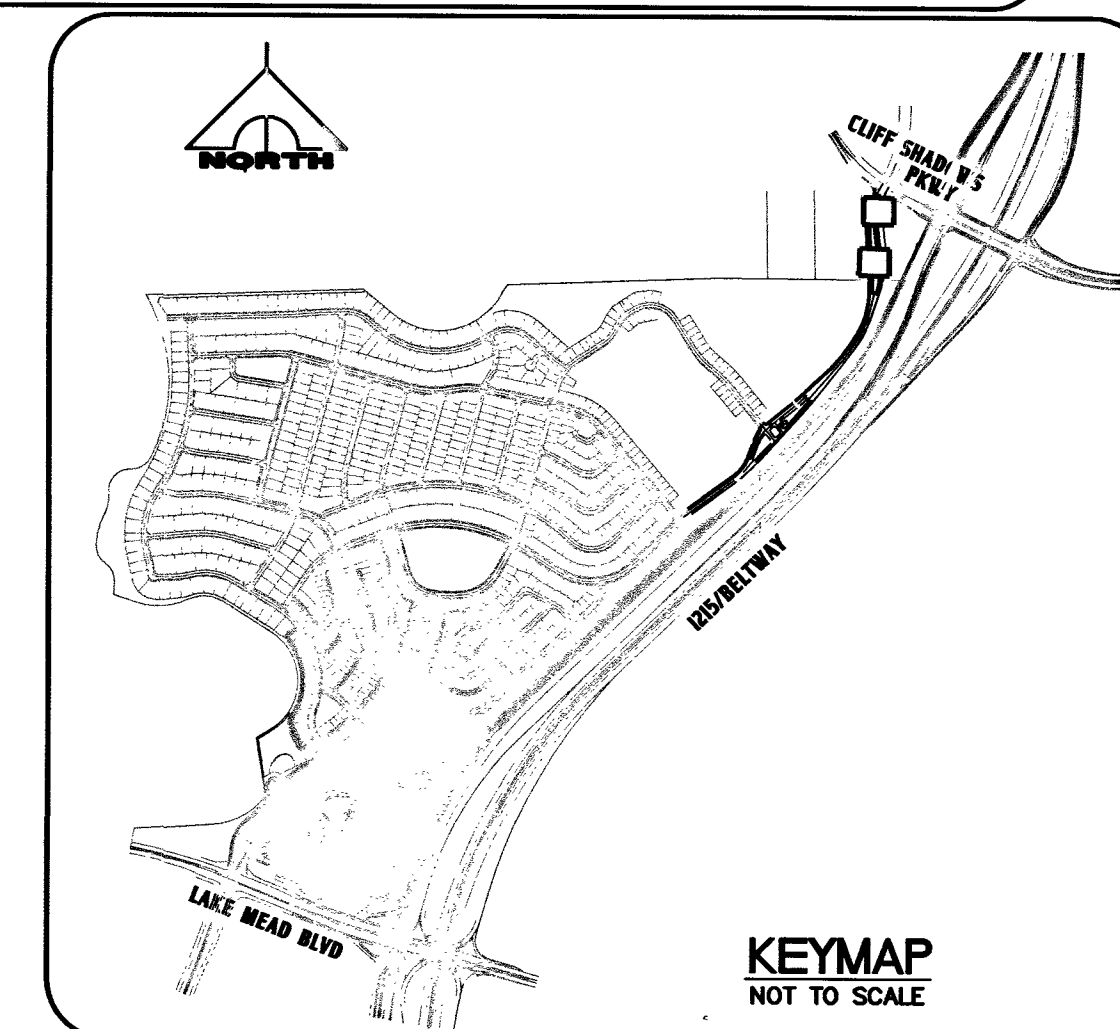
24"/30" R.C.P.
PUBLIC STORM DRAIN
SCALE: HORIZ. 1"=40'
VERT. 1"=8'



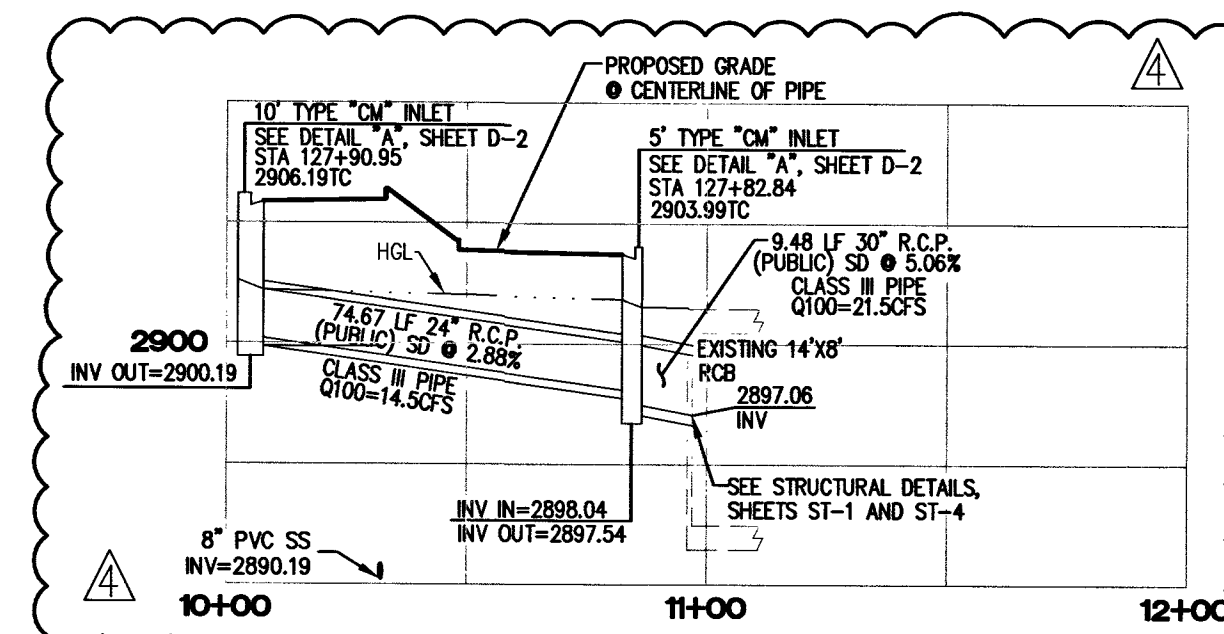
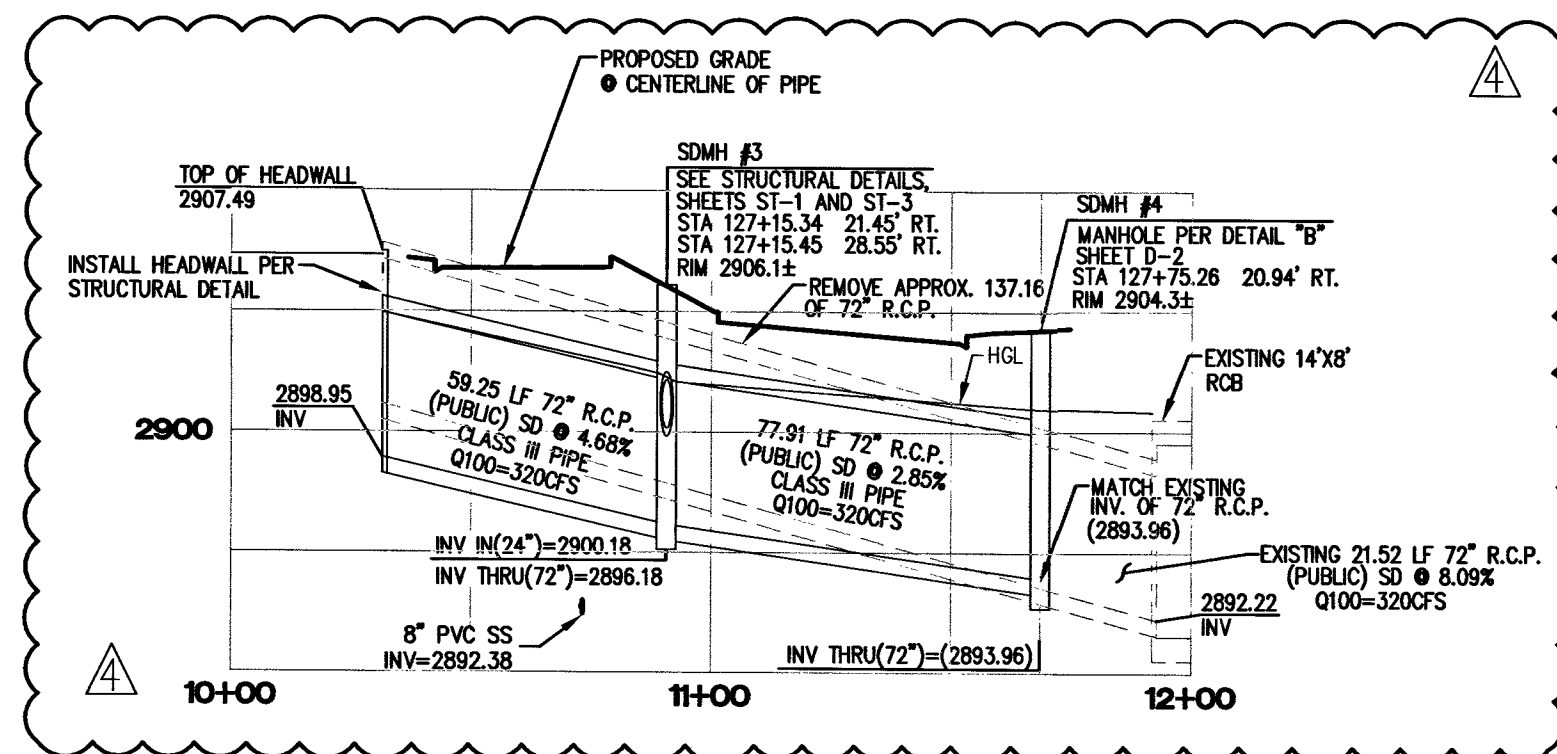
24" R.C.P.
PUBLIC STORM DRAIN
SCALE: HORIZ. 1"=40'
VERT. 1"=8'



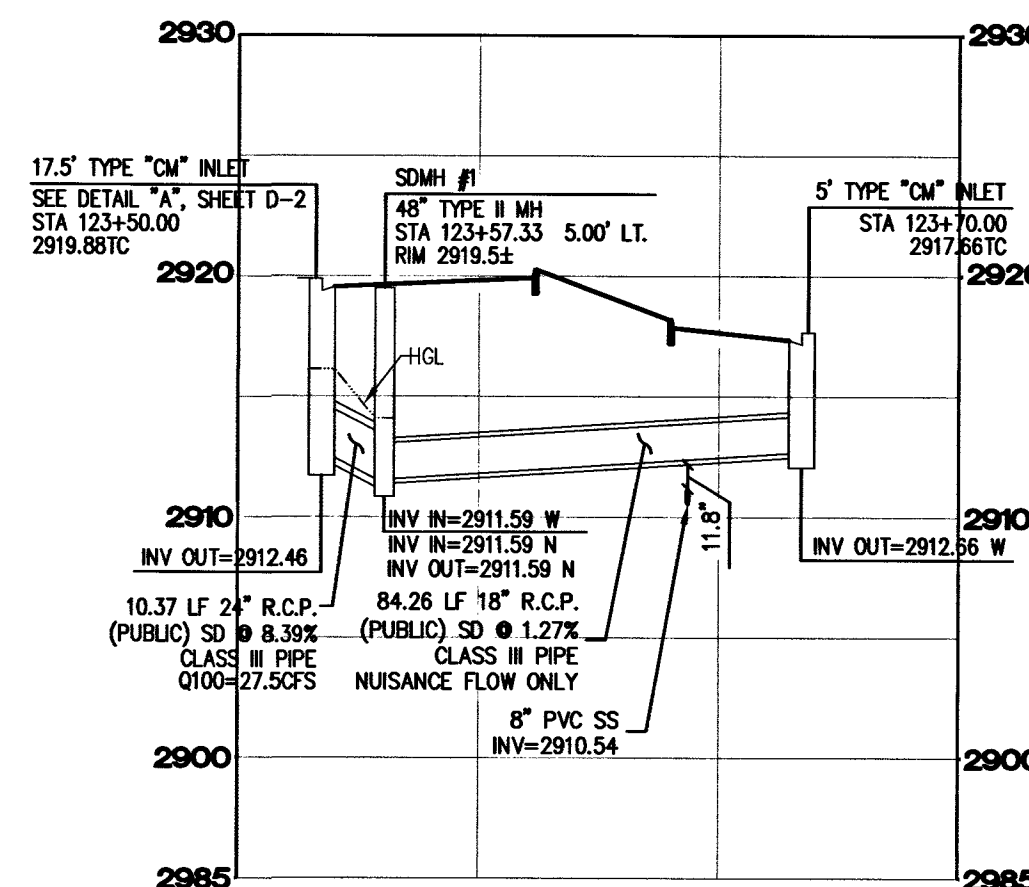
VICINITY MAP
NOT TO SCALE



KEYMAP
NOT TO SCALE



24"/30" R.C.P.



BENCHMARK

PROJECT DATUM: SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM
CLARK COUNTY VERTICAL CONTROL POINT: SLV09 1456
SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM: 3227.64 FEET
NAV888 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 - REVERENCE PROJECT MODIFIED DATUM ADD 0.42 FEET TO NAV888 DATUM.

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 IN FILE 112, PAGE 94 OF PARCEL MAPS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

LEGEND

1	SIGHT VISIBILITY ZONE IN HEIGHT, EXCEPT TRAFFIC CONTROL DEVICES	C1	SCARP
PE = 59.0	PAV ELEVATION	CL1	BACK OF CURB CURVE DATA
FF = 59.0	FINISH FLOOR ELEVATION	CL1	CENTERLINE CURVE DATA
(1+00.00)	CURB LINE STATIONING	56	EXISTING CONTOUR
21.12	HIGH POINT	21.12	RETAINING WALL
21.12	ASPHALTIC CONCRETE	21.12	TOP OF CURB GRADE
21.12	FINISHED GRADE	21.12	EXISTING ELEVATION
		21.12	FUTURE/DESIGN ELEVATION
		21.12	GRADE BREAK

GRADING NOTES:

- CONSTRUCT 80' WIDE PUBLIC STREET SECTION PER DETAIL "1", SHEET D-1.
- CONSTRUCT 80' WIDE PUBLIC STREET SECTION PER DETAIL "2", SHEET D-1.
- CONSTRUCT 80' WIDE PUBLIC STREET SECTION PER DETAIL "3", SHEET D-1.
- CONSTRUCT 37' WIDE PRIVATE STREET SECTION PER DETAIL "4", SHEET D-1.
- CONSTRUCT 40' WIDE PRIVATE STREET SECTION PER DETAIL "5", SHEET D-1.
- CONSTRUCT 28' WIDE PRIVATE STREET SECTION PER DETAIL "6", SHEET D-1.
- CONSTRUCT 37' WIDE PRIVATE STREET SECTION PER DETAIL "7", SHEET D-1.
- CONSTRUCT "L" TYPE CURB PER U.S.D.C.C.A. DWG #216.
- CONSTRUCT 4" THICK CONCRETE SIDEWALK PER U.S.D.C.C.A. DWG #234.
- CONSTRUCT "A" TYPE CURB PER U.S.D.C.C.A. DWG #219.
- CONSTRUCT SIDEWALK RAMP PER U.S.D.C.C.A. DWG #235 CASE I.
- SAWCUT & REMOVE EXISTING AC. INSTALL NEW AC, MATCH EXISTING
- INSTALL "L" CURB PER DETAIL 22, SHEET D-1.
- INSTALL STORM WATER QUALITY MANAGEMENT STAMP AND SIGN PER U.S.D.C.C.A. DWG #421.
- INSTALL SIDEWALK UNDERDRAIN PER U.S.D.C.C.A. DWG #236.

NOTE:

PRIVATE STREETS ARE P.U.E.'S, PUBLIC SEWER EASEMENTS, AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY H.O.A.
ALL DRAINAGE EASEMENTS WILL BE COMMON LOTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOMEOWNERS ASSOCIATION.

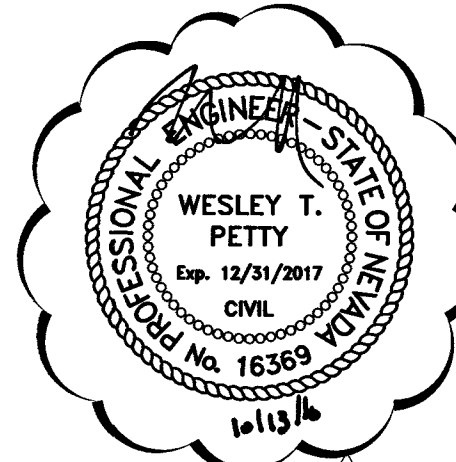
Call before you Dig
Avoid cutting underground utility lines. It's costly.



OR
1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300

Call before you Overhead
1-702-227-2929



I CERTIFY THAT THIS PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.
(054060)

DOUGLAS E. BERGSTROM, P.E. 17103
DATE: 4/23/07

CLV DRAWING NO. 107Y4950-AR

DRAWING
P-8

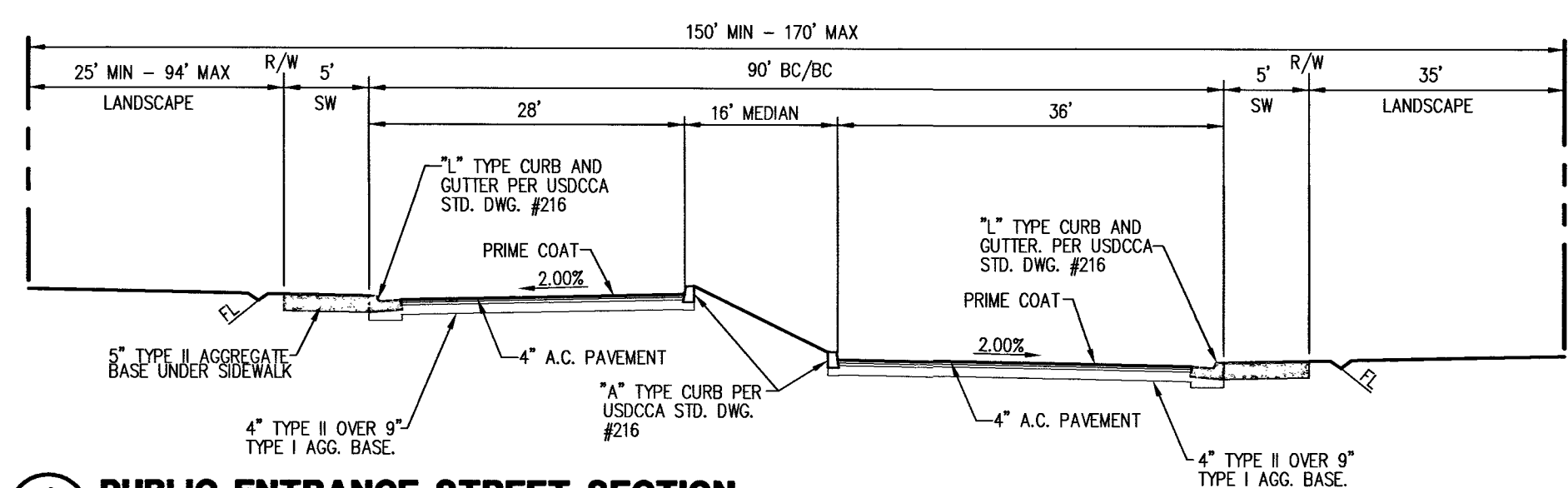
11 OF 26 SHEETS

G.C. WALLACE COMPANIES
ENGINEERS | PLANNERS | SURVEYORS
1635 W. WILLOW AVE., SUITE 200
LAS VEGAS, NV 89102
TEL: 702.894.2000 FAX: 702.894.2299
WWW.GCWALLACE.COM

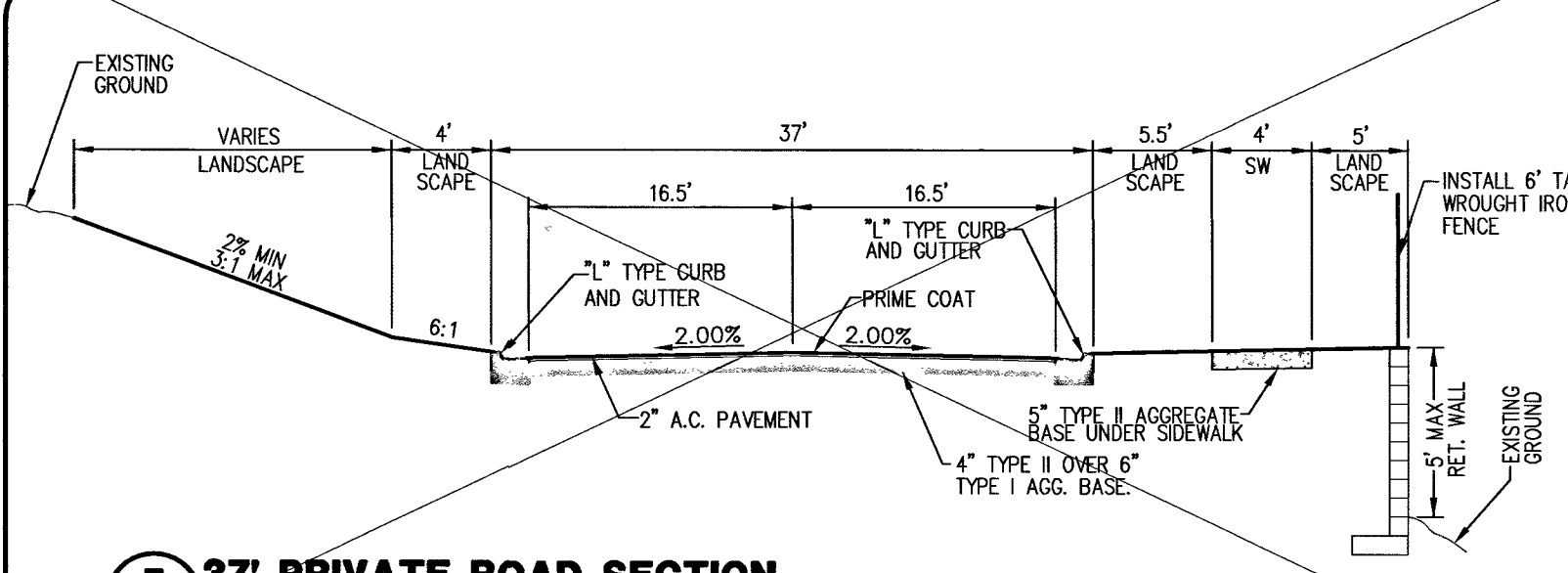
DESERT HOPE DRIVE - ACCESS ROAD
REVERENCE (VILLAGE 26)
PULTE HOMES
STORM DRAIN PLAN AND PROFILE
(REVERENCE PARKWAY)

DRAWING
P-8

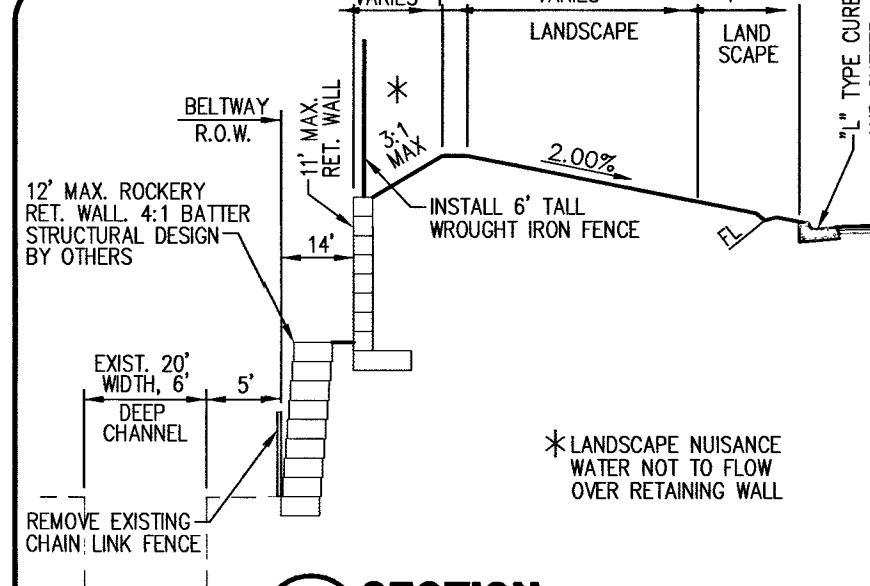
11 OF 26 SHEETS



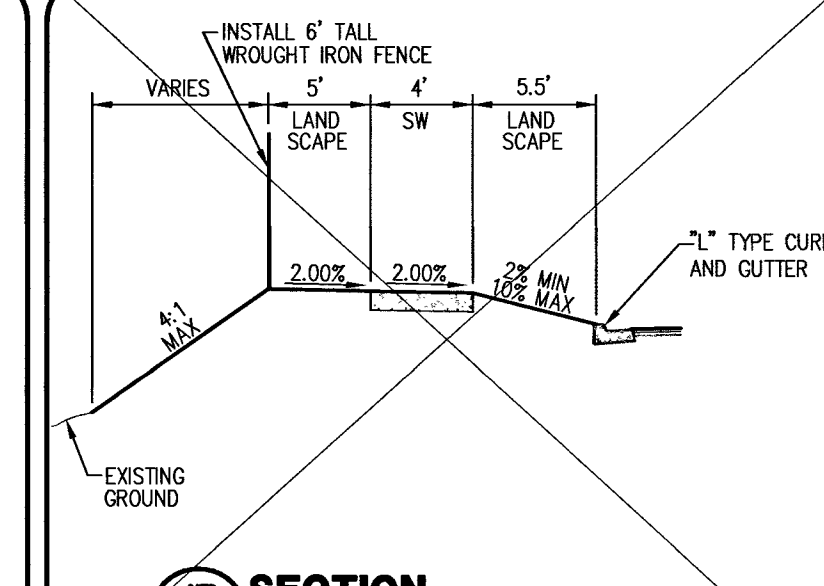
1 PUBLIC ENTRANCE STREET SECTION
D-1 NOT TO SCALE



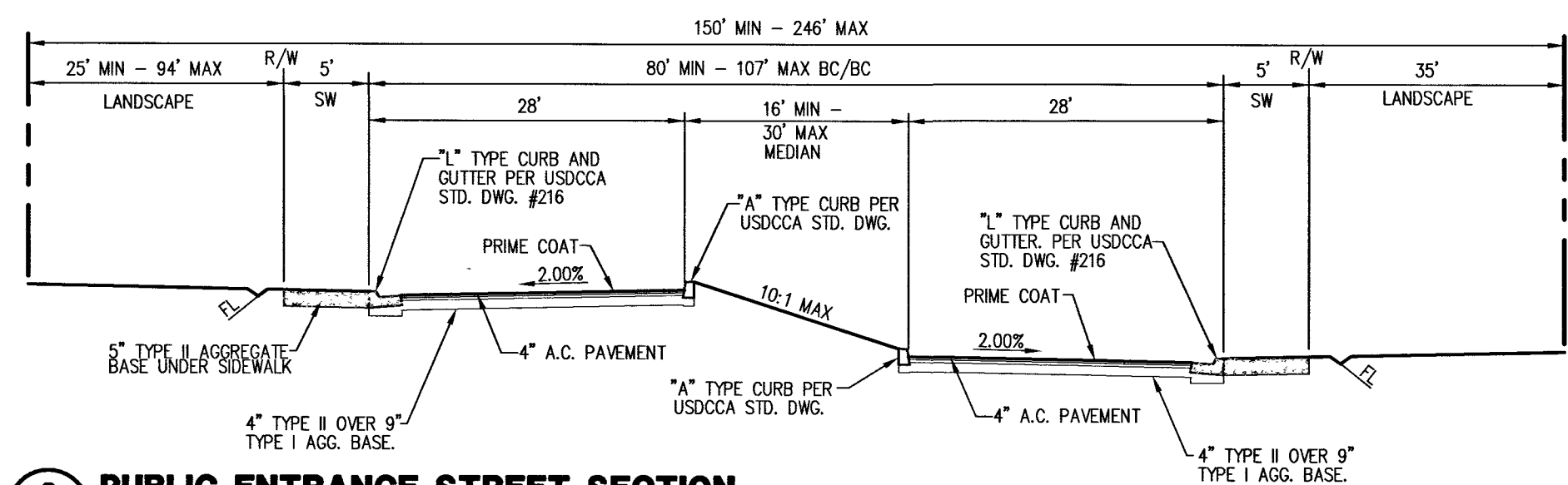
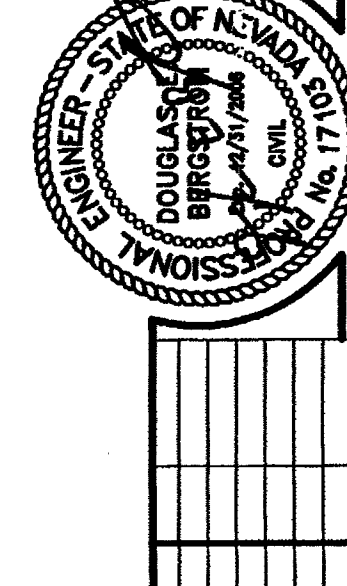
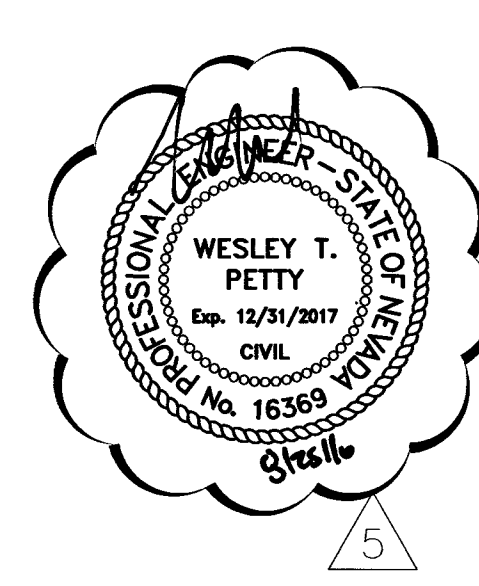
7 37' PRIVATE ROAD SECTION
D-1 NOT TO SCALE



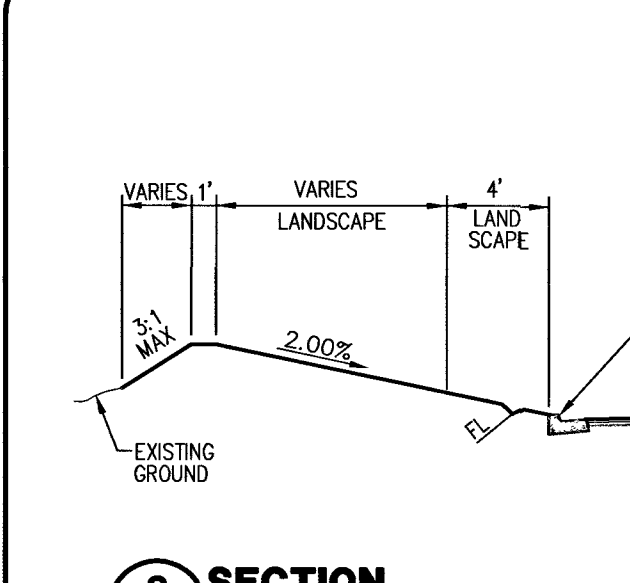
16 SECTION
D-1 NOT TO SCALE



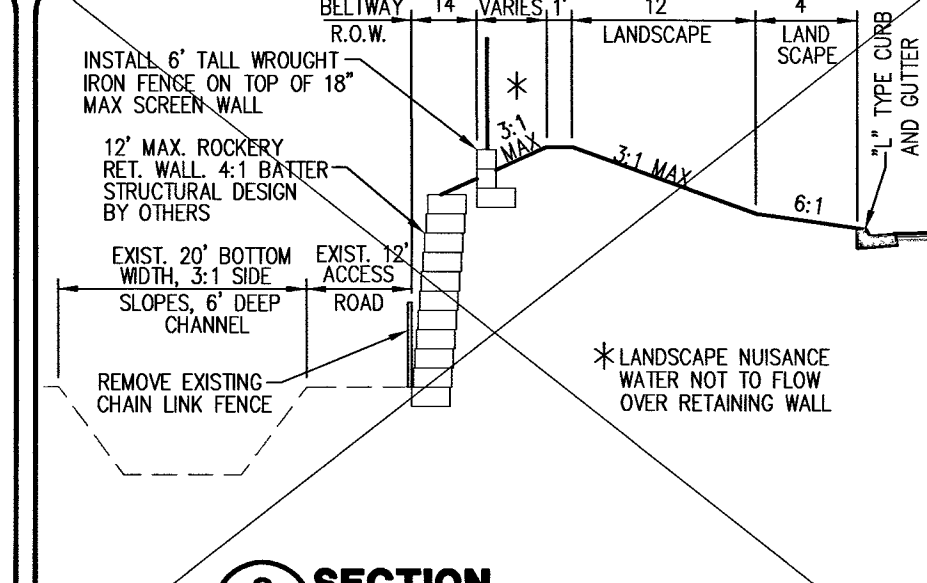
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D-1 NOT TO SCALE



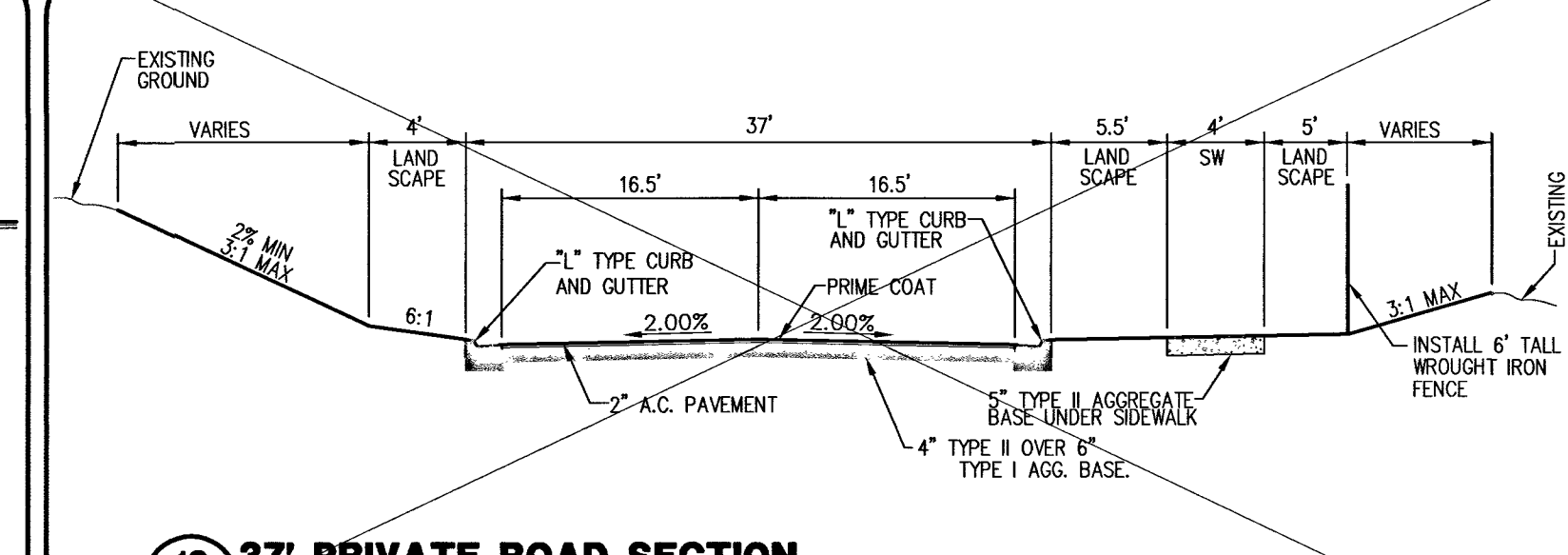
2 PUBLIC ENTRANCE STREET SECTION
D-1 NOT TO SCALE



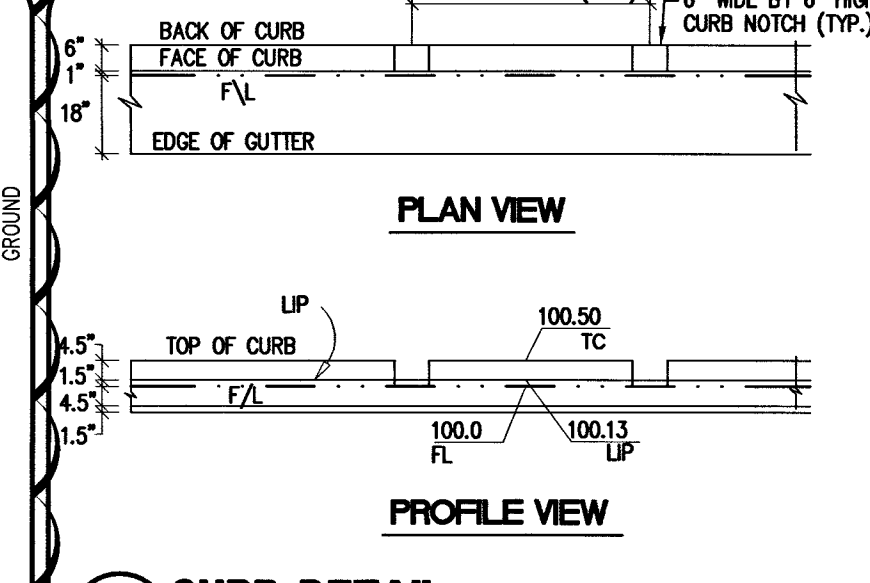
8 SECTION
D-1 NOT TO SCALE



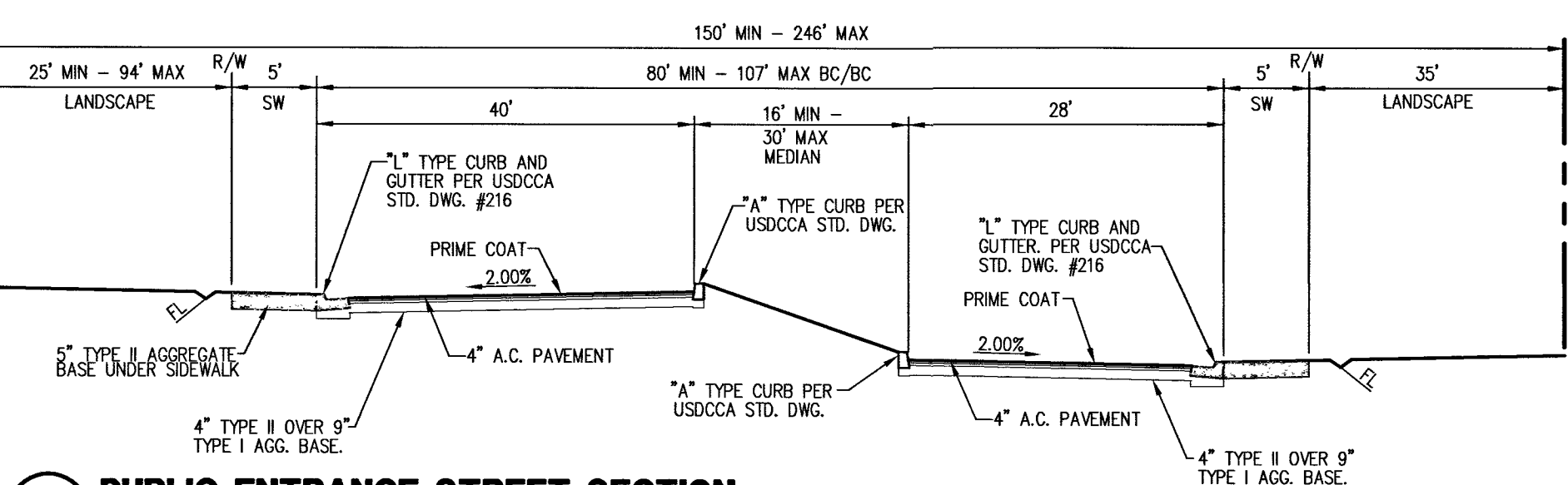
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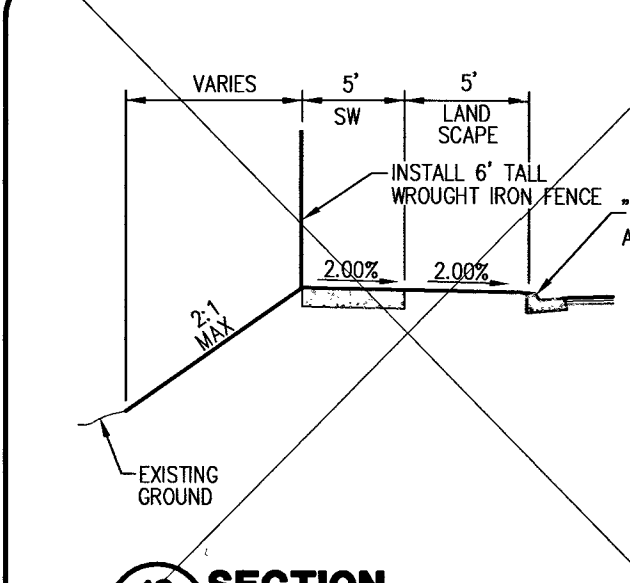
18 37' PRIVATE ROAD SECTION
D-1 NOT TO SCALE



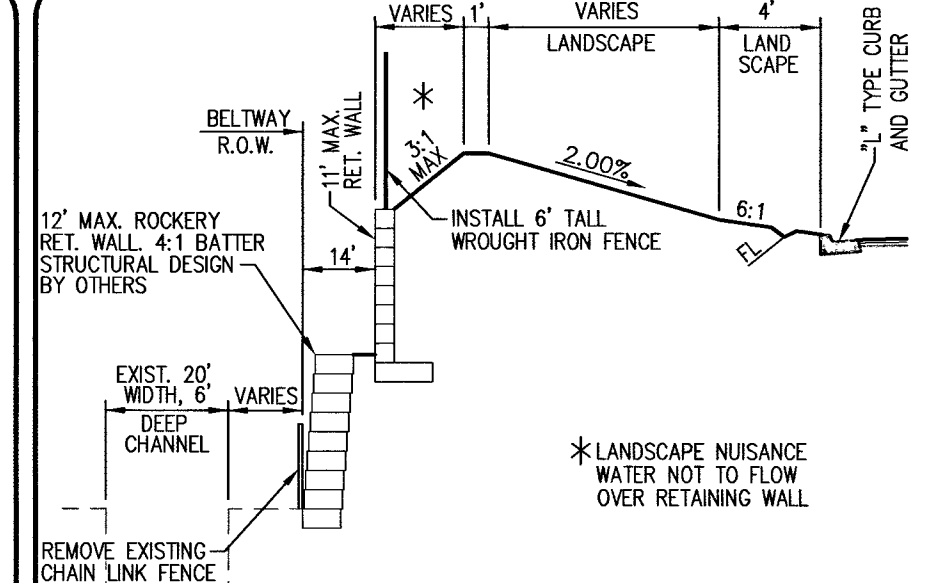
22 CURB DETAIL
D-1 NOT TO SCALE



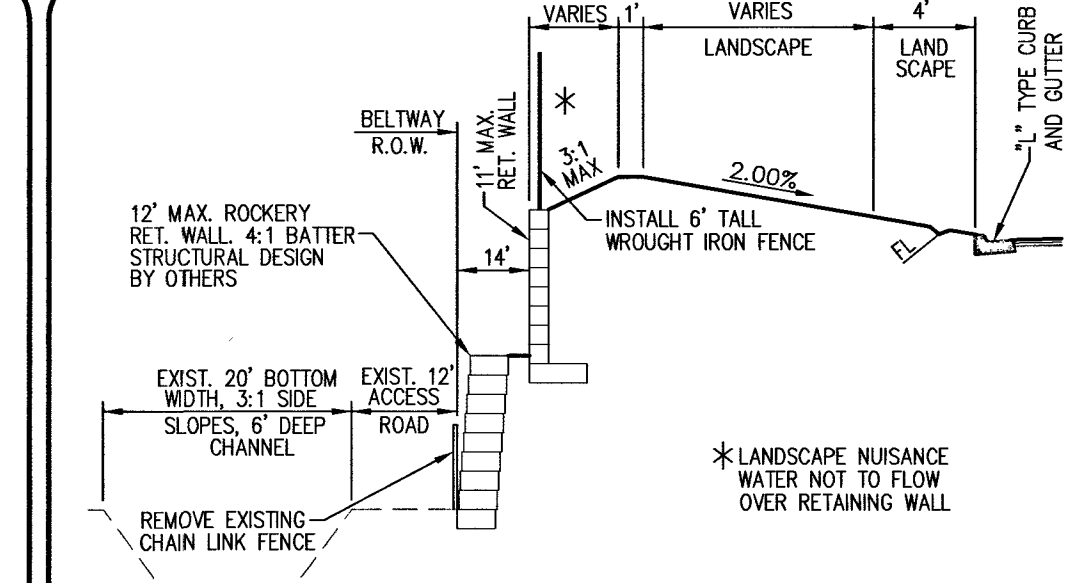
3 PUBLIC ENTRANCE STREET SECTION
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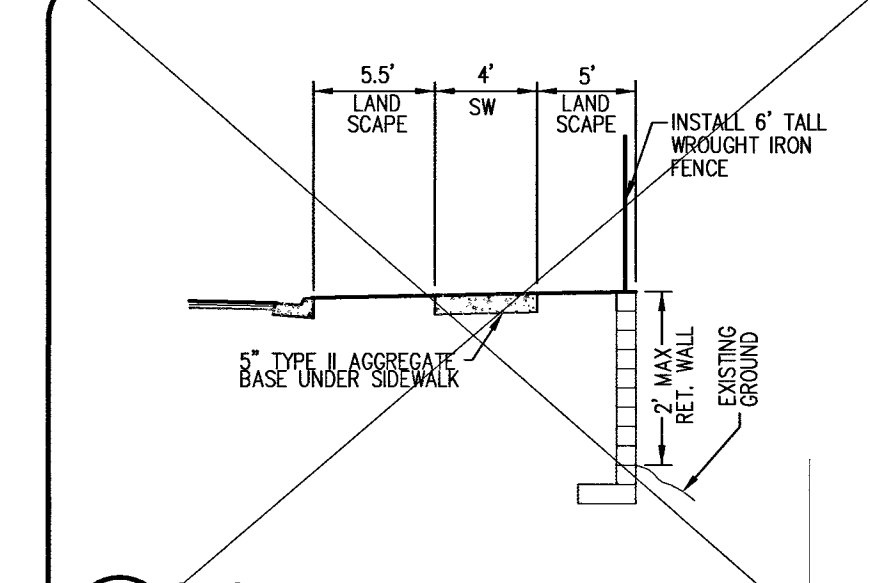
10 SECTION
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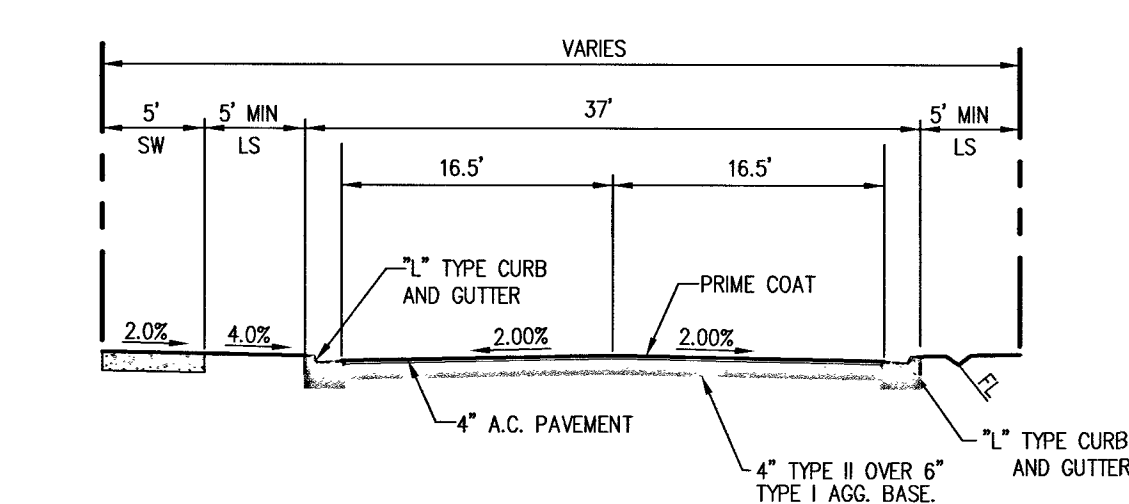
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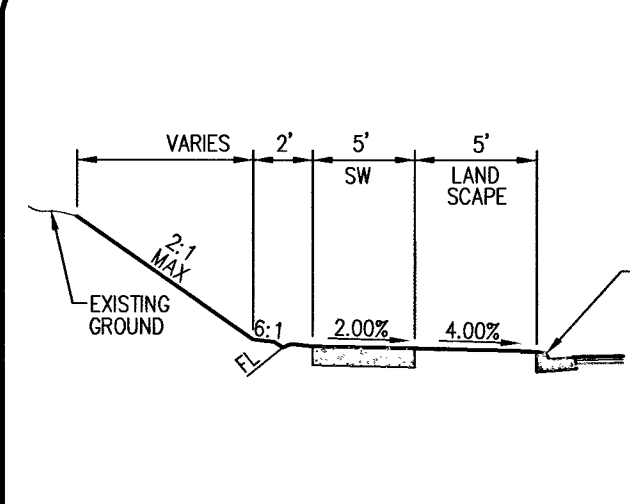
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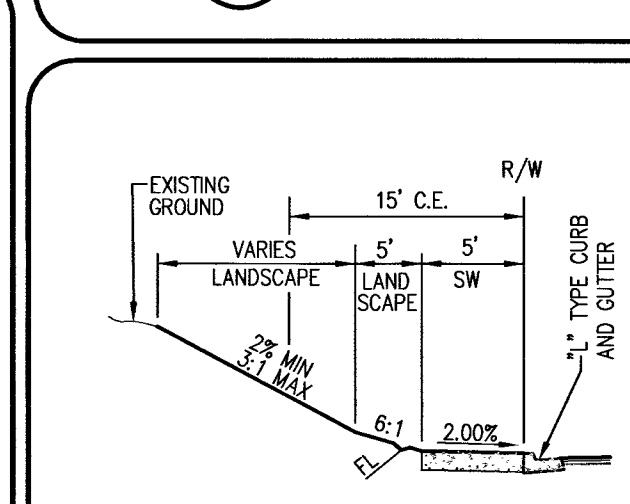
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D-1 NOT TO SCALE



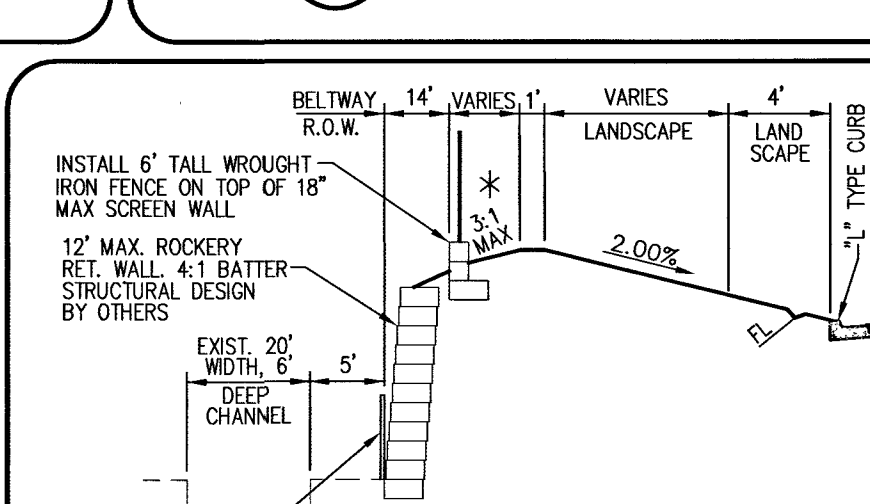
4 37' PUBLIC ENTRANCE STREET SECTION
D-1 NOT TO SCALE



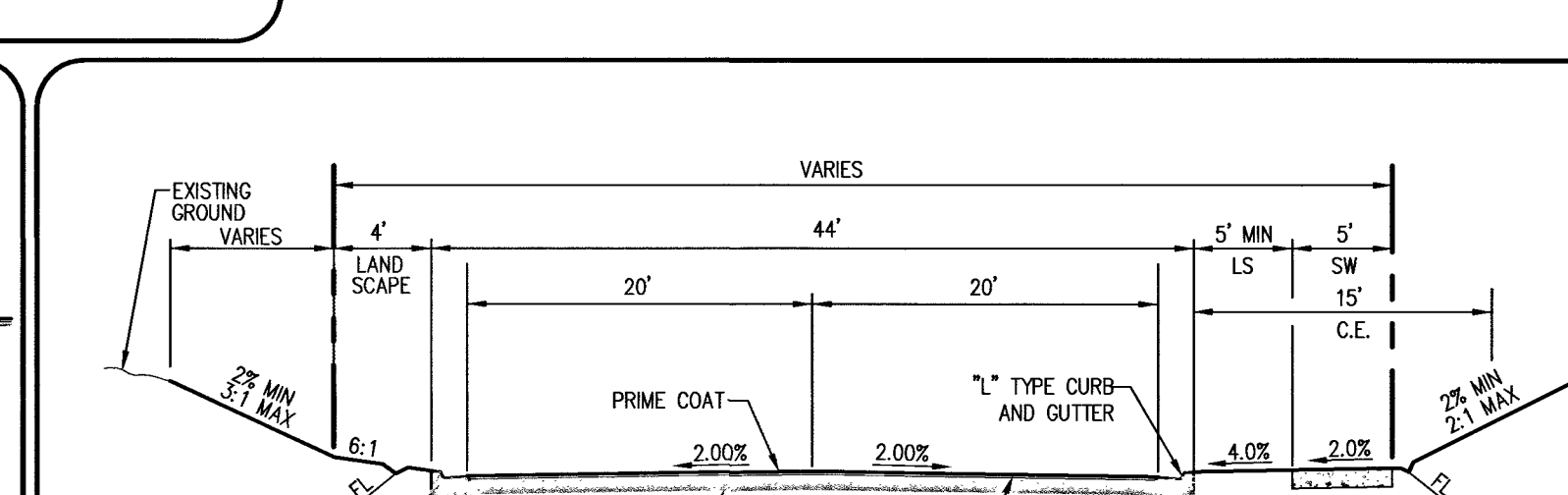
12 SECTION
D-1 NOT TO SCALE



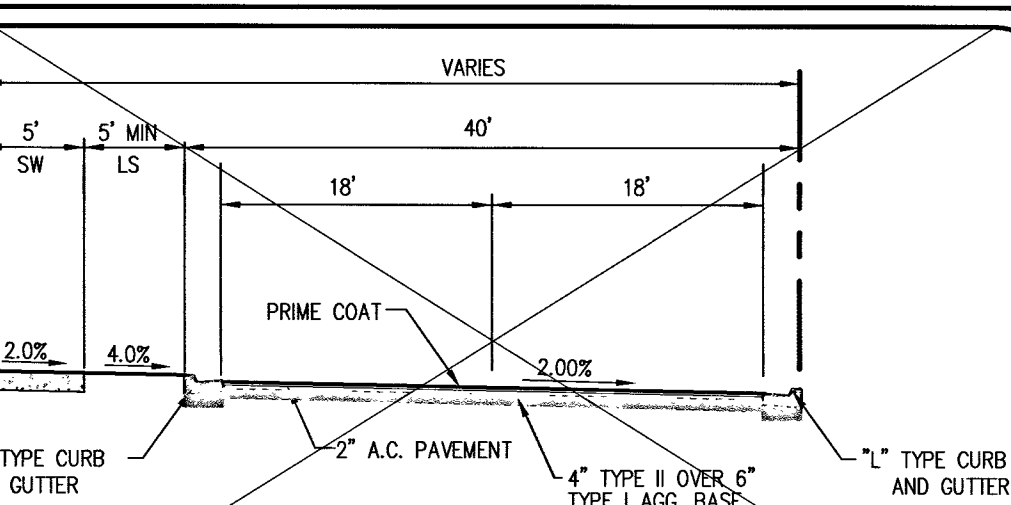
13 SECTION
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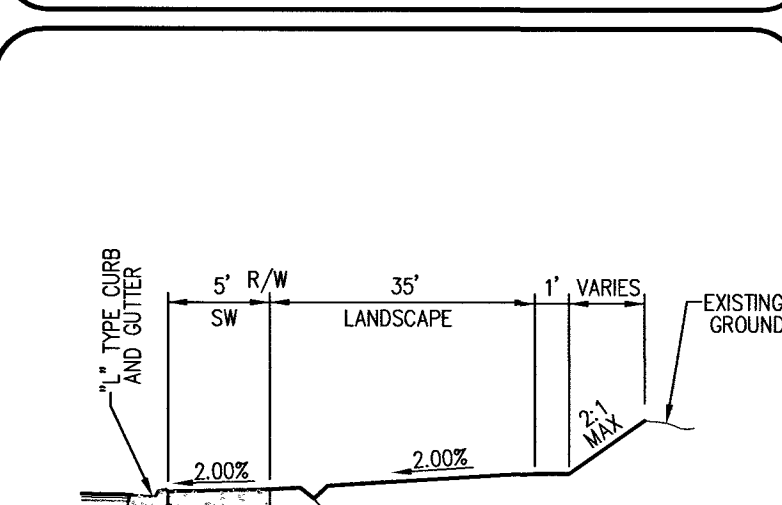
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D-1 NOT TO SCALE



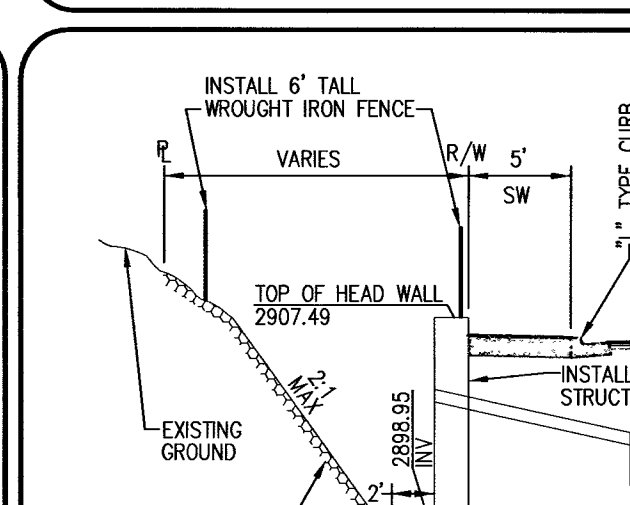
24 44' PUBLIC ROAD SECTION
D-1 NOT TO SCALE



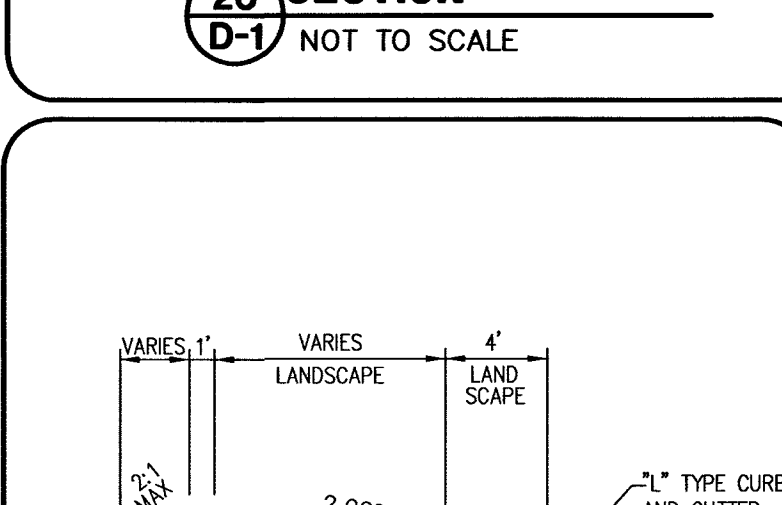
5 40' PRIVATE ENTRANCE STREET SECTION
D-1 NOT TO SCALE



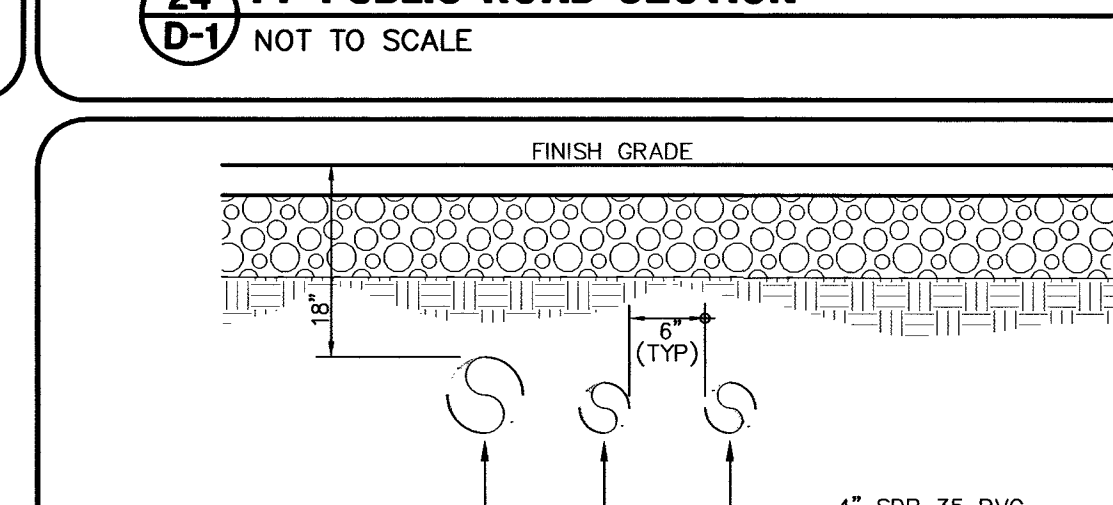
14 SECTION
D-1 NOT TO SCALE



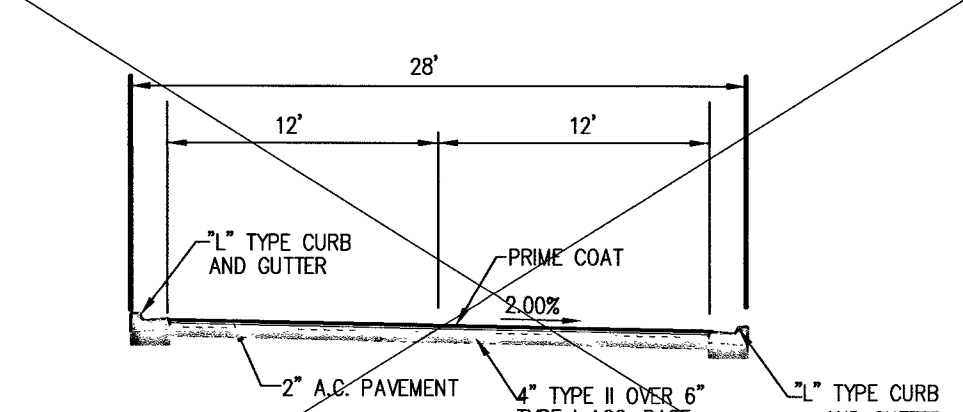
15 SECTION
D-1 NOT TO SCALE



21 SECTION
D-1 NOT TO SCALE



26 IRRIGATION SLEEVES
D-1 NOT TO SCALE



6 28' PRIVATE ENTRANCE STREET SECTION
D-1 NOT TO SCALE

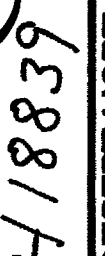
G.C. WALLACE COMPANIES
ENGINEERS | PLANNERS | SURVEYORS
1885 S. RAINBOW BOULEVARD - LAS VEGAS, NV 89146
T: 702.804.2000 F: 702.804.2299 GOWALLACE.COM

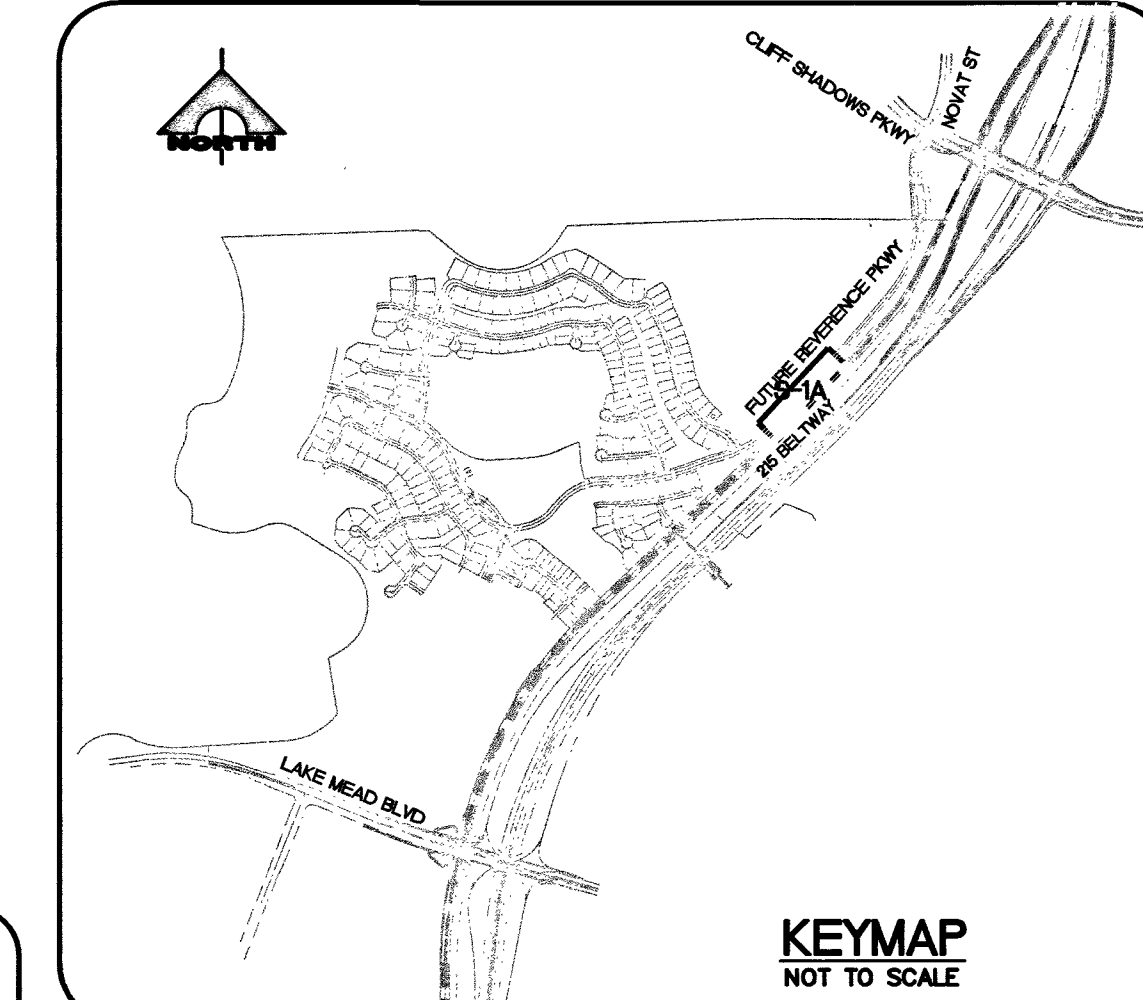
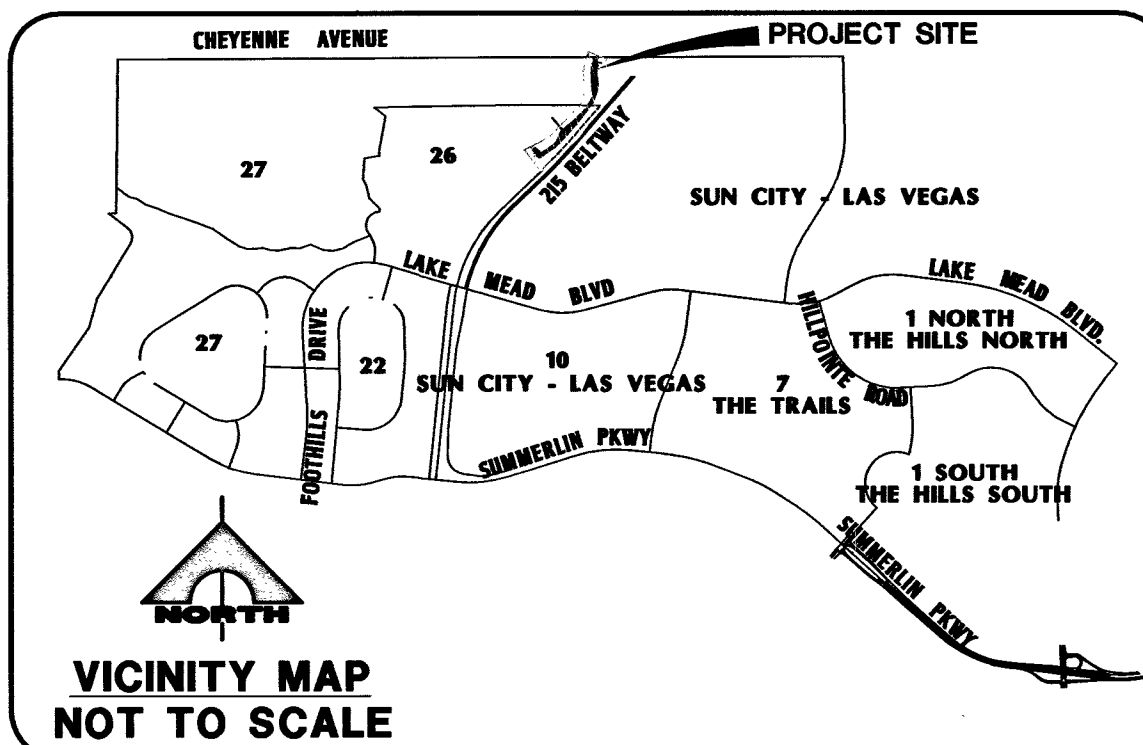
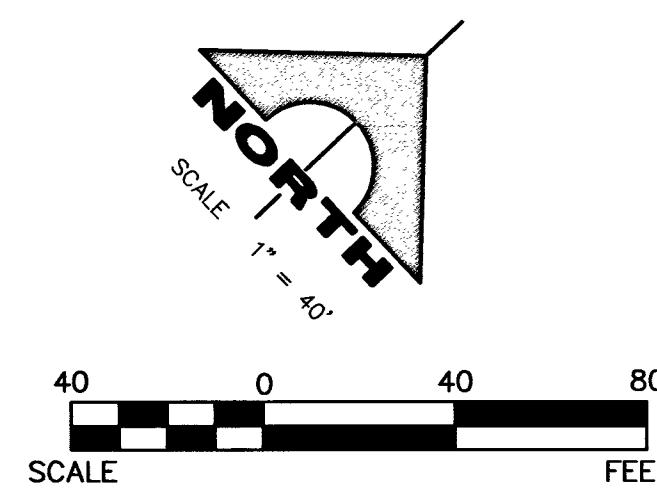
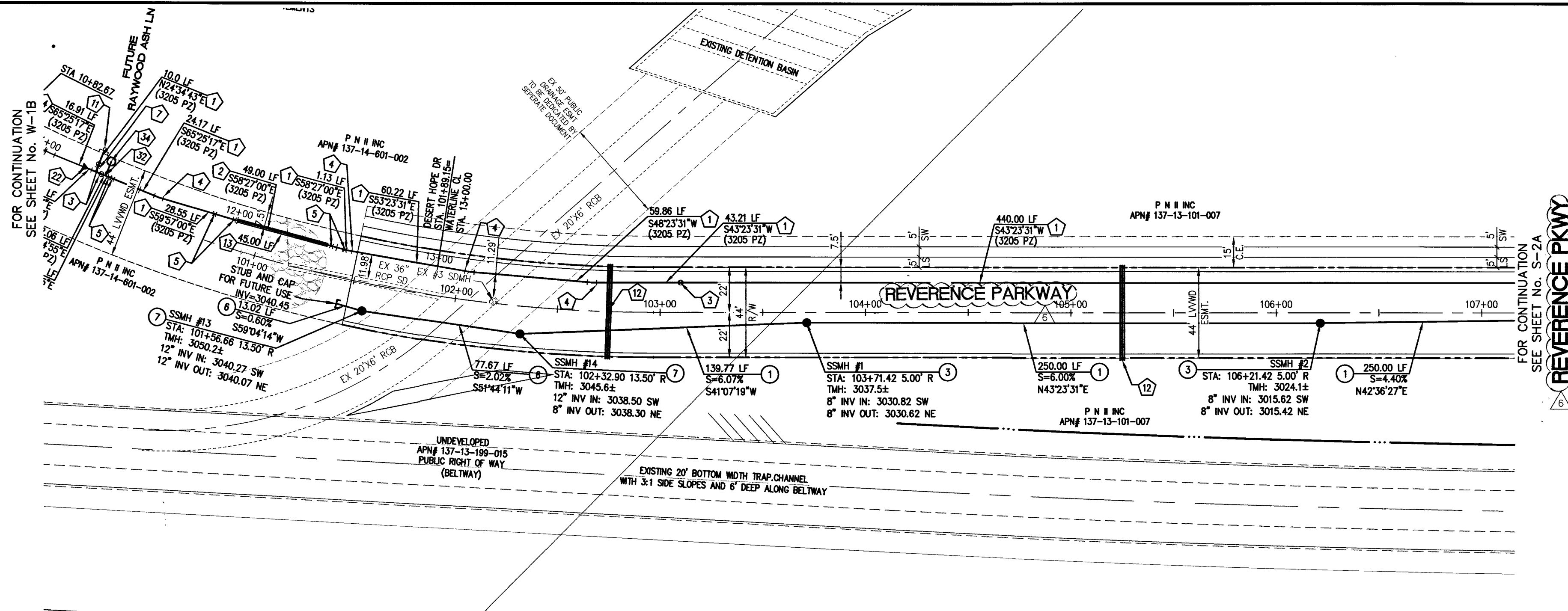
DESERT HOPE DRIVE - ACCESS ROAD (N/A REFERENCE PARKING)
VILLAGE 28-A GREEN COMMUNITY AT SUMMERLIN
PULTE HOMES

DRAWING
D-1

H# 18839
CLV DRAWING NO. 107Y4950-AR

12 OF 25 SHTS





NOTE:
INSTALLATION OF THE LOWERED WATER MAIN IN THE CASING BETWEEN STATION 100+75.30 AND STATION 101+42.49 IS ONLY AN INTERIM CONDITION. THE WATER MAIN MUST BE REMOVED BETWEEN THESE STATIONS AND RESTORED TO 3.5' MINIMUM COVER FROM THE FUTURE FINISHED GRADE AFTER THE REMOVAL OF THE RIP-RAP SURFACE DRAIN AND INSTALLATION OF THE DROP INLET AND STORM DRAIN LATERAL WITH SUMMERLIN V26 REVERENCE PHASE 1, LVVWD PROJECT #124753.

REVERENCE PARKWAY

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

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 REVERENCE PHASE 1, LVVWD PROJECT #124753, PRIOR TO FINAL ACCEPTANCE OF THIS PROJECT.

NOTE:
APPROVAL OF THESE PLANS FOR THE WATER STUBOUT INSTALLATION WILL NOT BE CONSTRUED AS A COMMITMENT FOR WATER SERVICE TO THIS PROPERTY.

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

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

FAST
Call before you UnderGround
1-702-432-5300
FREEMAN AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

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 * ALL WATER MAIN IN CASING TO BE DIP
14	INSTALL 16" C905 PUBLIC WATER MAIN
15	INSTALL 16" DIP PUBLIC WATER MAIN
16	INSTALL 16" CLASS 53 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"x8" TEE
33	INSTALL 16"x8" TEE
34	INSTALL 6" MANUAL BLOW-OFF ASSEMBLY PER UDACS PLATE No. 37

NOTE:
SEE SHEETS W-1A AND W-1B FOR WATERLINE CLEARANCE AND SEPARATION BEFORE THE PAVEMENT CONSTRUCTION.

RESTRAINED ALL JOINTS FROM
STA 100+40.30 TO STA 100+75.30
STA 101+42.49 TO STA 101+77.49

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

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT
PROJECT #124656
LVVWD APPROVED FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL
DATE: 10/4/16

BENCHMARK
PROJECT DATUM: SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM
CLARK COUNTY VERTICAL CONTROL POINT: SLV09 1456
SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM: 3227.64 FEET
NAV88 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 - REVERENCE PROJECT MODIFIED DATUM ADD 0.42 FEET TO NAV88 DATUM.

CONDITIONAL APPROVAL OF VALVED OUTLET (6" AND LARGER)
THE WATER PLANS SHOW ONE OR MORE VALVED OUTLETS EXTENDING OUT OF PAVED AREAS. INSTALLATION OF THESE OUTLETS IS ACCEPTABLE, HOWEVER, IF THE OUTLETS ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON WHEN THE PROPERTY IS ACTUALLY DEVELOPED, THE DEVELOPER SHALL ABANDON THE OUTLETS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH THE DISTRICT'S STANDARDS AND AT THE DEVELOPER'S EXPENSE. APPROVAL OF THE VALVED OUTLET DOES NOT PROVIDE OR IMPLY A WATER COMMITMENT.

STATE OF NEVADA
WESLEY T. PETTY
10/2/2017
CIVIL
No. 124656
DATE: 8/22/16

PROJECT NO.
764-204-013

DESIGN: HN
DRAWN: HN
CHECK: WP
PLOT DATE: 08-23-16
PLOT TIME: 17:03:06

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gengengineering.com

ENGINEERS & SURVEYORS

DESERT HOPE DRIVE - ACCESS ROAD - (AKA REVERENCE PARKWAY)
REVERENCE (VILLAGE 26)

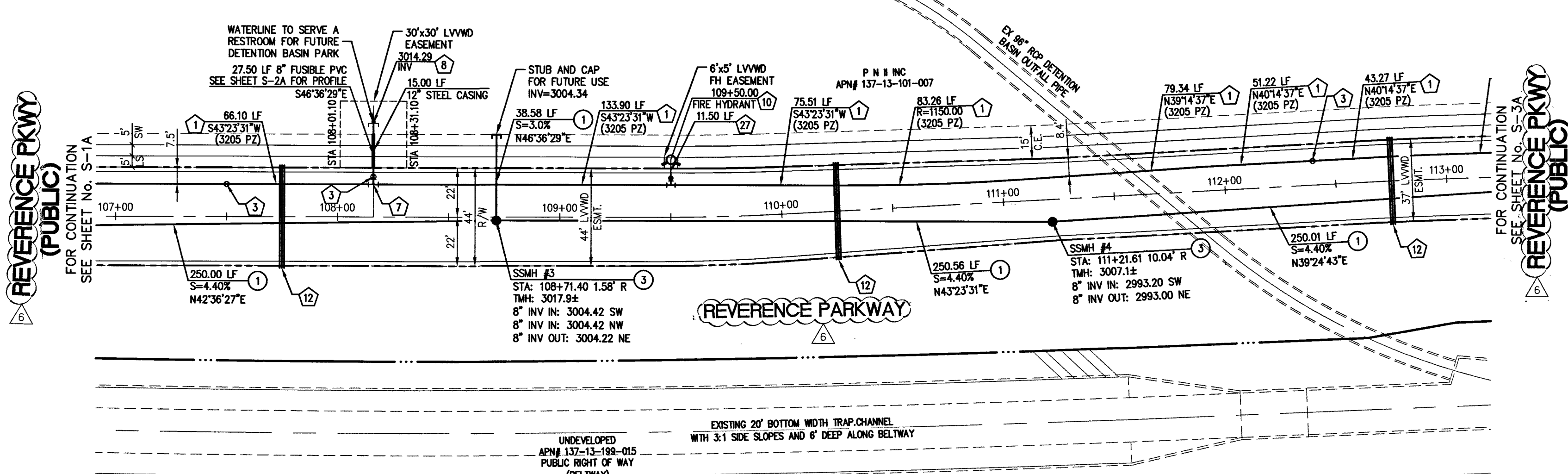
PULTE HOMES

SEWER PLAN AND PROFILE
(REVERENCE PARKWAY)

DRAWING
14 S-1A
14A OF 26 SHTS

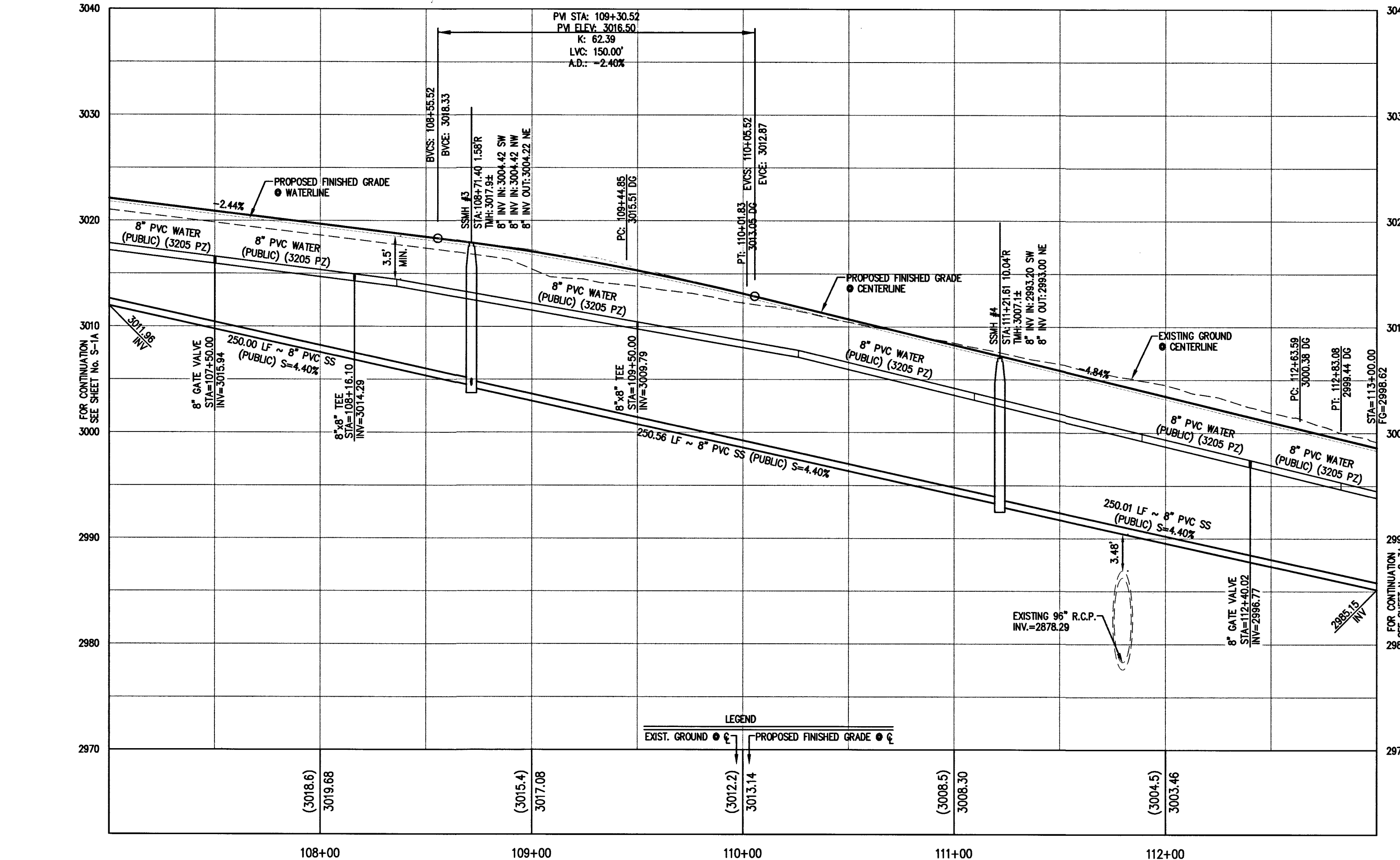
PROJ#: 124656 AGR#: 16016 QS:137-13-NV:137-14-NE XC 11196

REFERENCE PKWY (PUBLIC)



REFERENCE PARKWAY

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



ANNULAR SPACE BETWEEN PIPE AND CASING SHALL BE FILLED WITH FINE SAND OR CONTROLLED LOW STRENGTH MATERIAL (CLSM 50 PSI - 75 PSI). SEE UDACS PLATES 16, 17, 18, AND 19 FOR BEDDING AND BACKFILL REQUIREMENTS.

ESN. 038A REVISED 01/05/15

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. PRVS ARE THE DEVELOPER'S RESPONSIBILITY, AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVWD FACILITIES.

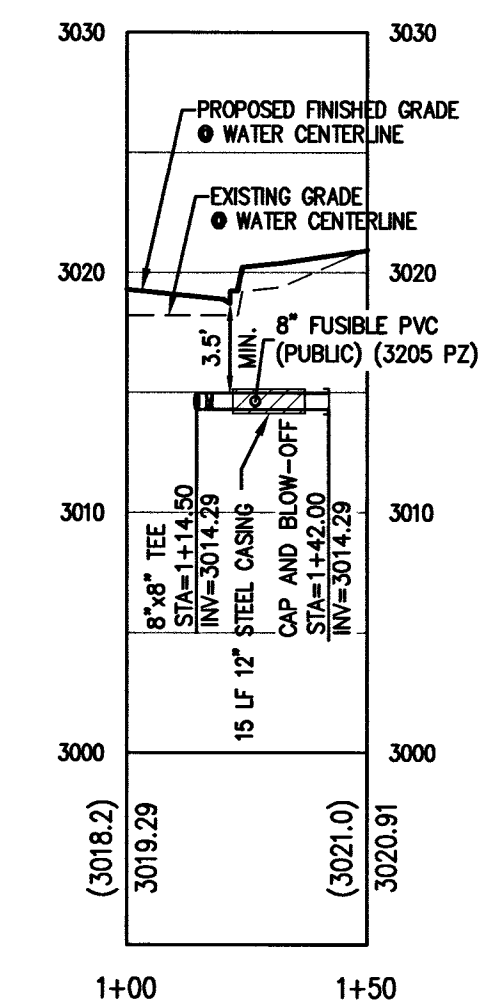
NOTE:
APPROVAL OF THESE PLANS FOR THE WATER STUBOUT INSTALLATION WILL NOT BE CONSTRUED AS A COMMITMENT FOR WATER SERVICE TO THIS PROPERTY.

CONDITIONAL APPROVAL OF VALVED OUTLET (6" AND LARGER)
THE WATER PLANS SHOW ONE OR MORE VALVED OUTLETS EXTENDING OUT OF PAVED AREAS. INSTALLATION OF THESE OUTLETS IS ACCEPTABLE, HOWEVER, IF THE OUTLETS ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON WHEN THE PROPERTY IS ACTUALLY DEVELOPED, THE DEVELOPER SHALL ABANDON THE OUTLETS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH THE DISTRICT'S STANDARDS AND AT THE DEVELOPER'S EXPENSE. APPROVAL OF THE VALVED OUTLET DOES NOT PROVIDE OR IMPLY A WATER COMMITMENT.

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

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT
LVWD APPROVED FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL
DATE: 10/14/16

8" FUSIBLE PVC WATER



NOTE:
THE FINISHED GRADE OVER THE WATER MAIN PROPOSED WITH THIS PROJECT MUST BE INSTALLED BY SUMMERLIN V28 REFERENCE PHASE 1, LVWD PROJECT #124753, PRIOR TO FINAL ACCEPTANCE OF THIS PROJECT.

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.

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

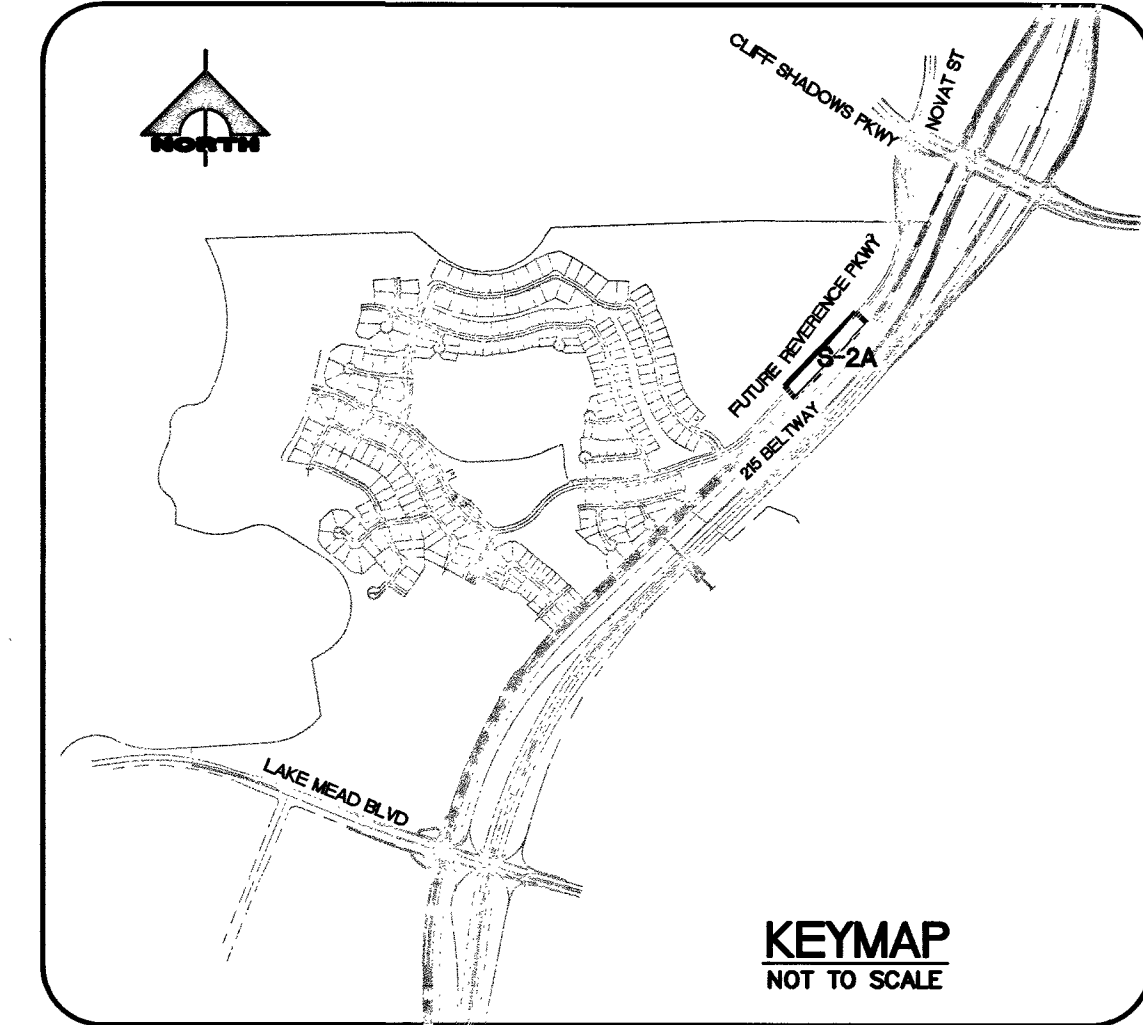
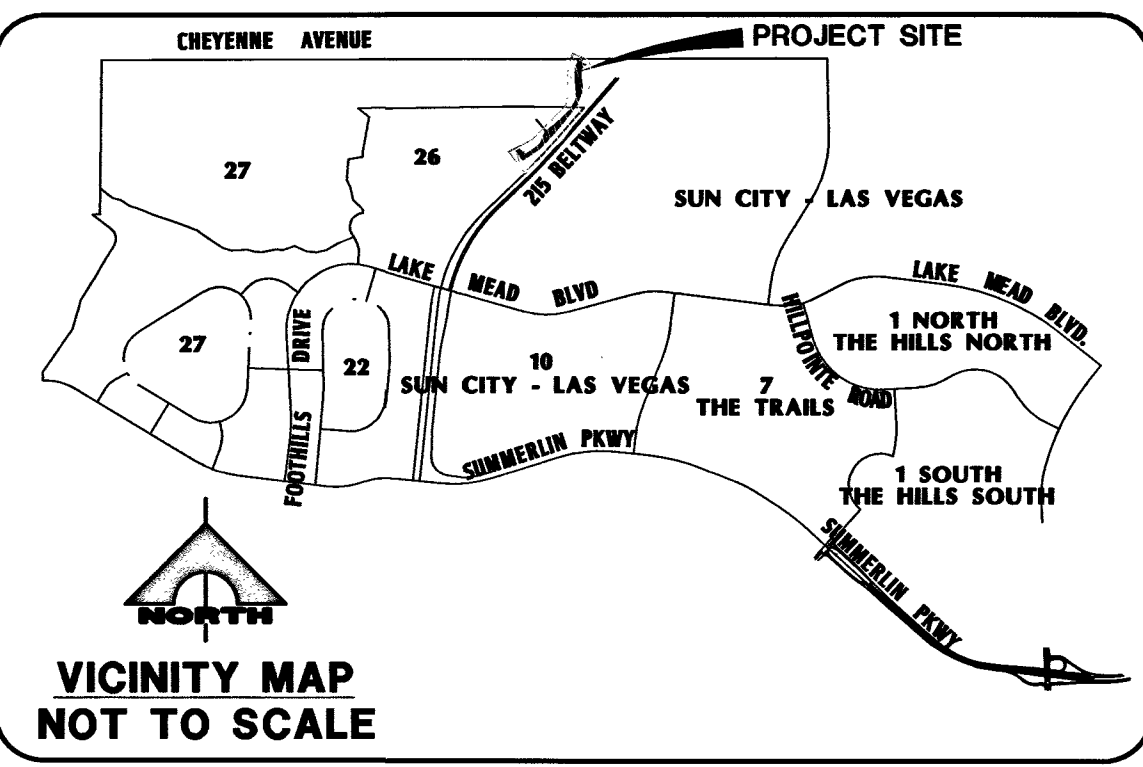
EXISTING FIRE HYDRANT W/6" G.V. & F.H. LOCATOR BUTTON-UDACS PLATE 40.	PRV	PRESSURE REDUCING VALVE
EXISTING WATER LINE	2" BLOW-OFF PER UDACS STD. PLATE NO. 36.	
EXISTING GATE VALVE	1 1/2" TYPE K COPPER WATER LATERAL W/1 1/2" IRRIGATION METER-UDACS PLATE 4 W/1 1/2" R.P.P.A.- UDACS PLATE 8.	
FIRE HYDRANT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

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FAST
Call before you Dig
UnderGround
1-702-432-5300
FREEMAN AND ARTERIAL SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

BENCHMARK
PROJECT DATUM: SUMMERLIN VILLAGE 26 - REFERENCE PROJECT MODIFIED DATUM
CLARK COUNTY VERTICAL CONTROL POINT: SLV08 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.



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 1-8" 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" C905 PUBLIC WATER MAIN
16	INSTALL 16" DIP PUBLIC WATER MAIN
17	INSTALL 16" CLASS 53 DIP PUBLIC WATER MAIN
18	INSTALL 16" - 5" BEND W/ RESTRAINED JOINTS ON EACH END
19	INSTALL 16" - 11.25° BEND
20	INSTALL 16" - 22.5° BEND
21	INSTALL 16" - 45° BEND
22	INSTALL 16" - 90° BEND
23	INSTALL 16" x 8" REDUCER
24	CONSTRUCT CLASS 1 CLSM TRENCH BACKFILL PER UDACS PLATE 16 AND 19
25	INSTALL 16" GATE VALVE. VALVES SHALL NOT BE LOCATED IN STREET VALLEY GUTTERS OR WITHIN THE PROPOSED CURB & GUTTER LOCATIONS. UDACS PLATE 30 & 39
26	INSTALL TYPE "C" TEST STATION WITHOUT ANODE PER DETAIL 1 ON SHEET D-2A
27	INSTALL 4" COMBINATION AIR VALVE PER UDACS PLATE 38
28	INSTALL 6" PVC PUBLIC WATER MAIN
29	INSTALL 8" x 6" REDUCER UDACS PLATE 30
30	INSTALL 16" x 8" TEE
31	INSTALL 6" - 90° BEND UDACS PLATE 31
32	16" CAP W/ 2" BLOW-OFF PER (UDACS) PLATE NO. 36
33	INSTALL 8"x6" TEE
34	INSTALL 16"x6" TEE
35	INSTALL 8" MANUAL BLOW-OFF ASSEMBLY PER UDACS PLATE NO. 37

PROJECT NO. 764-204-03
DESIGNER HN
DRAWN HN
CHECK WP
PLOT DATE 08-23-16
PLOT TIME 17:05:25

PROJECT SITE 1555 S. RAINBOW BLVD., LAS VEGAS, NV 89146
ENGINEERS & SURVEYORS GOW ENGINEERING.COM
F: 702.804.2000
F: 702.804.2299

DESERT HOPE DRIVE - ACCESS ROAD - (AKA REFERENCE PARKWAY)
REFERENCE VILLAGE 26
PULTE HOMES
STREET PLAN AND PROFILE
REFERENCE PARKWAY

DRAWING 15
S-2A
15A OF 26 SHTS

PROJ# 124656 **AGR#** 116016 **Q#** 137-13-NW-137-14-NE XC 11196

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 LVWMD. 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 LVVWD FACILITIES.

- 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, LVVWD PROJECT #124753, PRIOR
TO FINAL ACCEPTANCE OF THIS PROJECT.

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 1,150FT. PER UDACS 2.07.01 AND 2.07.02.

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

PROJECT DATUM: SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM
CLARK COUNTY VERTICAL CONTROL POINT: 5LV09 14S6
SUMMERLIN VILLAGE 26 - REVERENCE 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 - REVERENCE PROJECT MODIFIED DATUM ADD 0.42
FEET TO NAVD88 DATUM.

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

APPROVED FOR CONSTRUCTION

4 D. SHARI FERRIS 10/4/16

LAS VEGAS VALLEY WATER DISTRICT DATE:
PROJECT #124656
LWWD APPROVED FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL

B. Boring 8-30-46
LAS VEGAS FIRE AND RESCUE
FIRE FLOW 1500 GPM AT 20 PSI RESIDUAL
DATE

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

FIRE FLOW REQUIREMENT IS 1500 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.

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.

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 CUTTERS 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 PRE 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 * ALL WATER MAIN IN CASING TO BE DIP
14	INSTALL 16" C905 PUBLIC WATER MAIN
15	INSTALL 16" DIP PUBLIC WATER MAIN
16	INSTALL 16" CLASS 53 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 CSM TRENCH BACKFILL PER UDACS PLATE 16 AND 19
24	INSTALL 16" GATE VALVE. VALVES SHALL NOT BE LOCATED IN STREET VALLEY CUTTERS 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

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 #1, PAGE 28 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

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

LEGEND

① ⑆ — PROPOSED FINISHED GRADE ① ⑆

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FAST

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**CALL BEFORE
YOU DO
OVERHEAD**

1-702-227-2929

DATE: 8/25/16

[illegible]

PROJECT NO.
764-204-013

DESIGN: HN
 DRAWN: HN
 CHECK: WP

PLOT DATE: 08-24-16
 PLOT TIME: 13:50:00

GCV
ENGINEERS & SURVEYORS

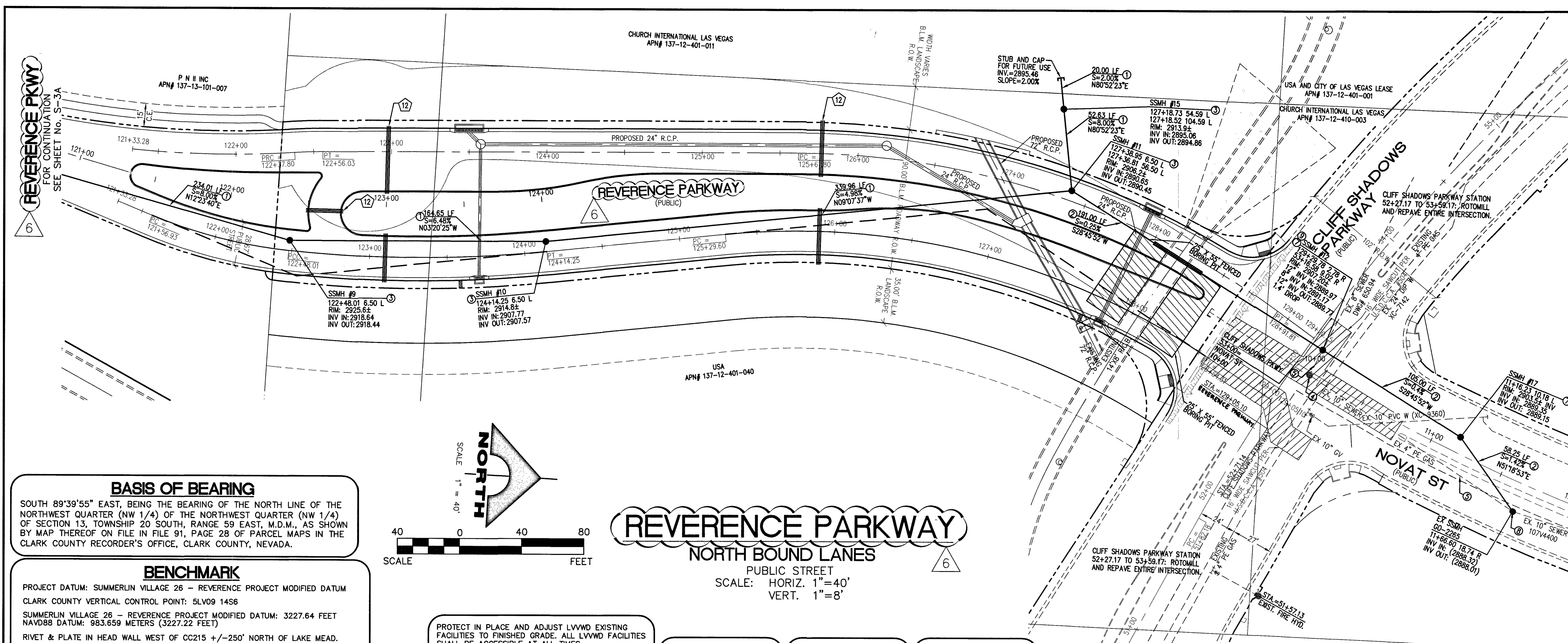
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gowngineering.com

F:\Projects\700\764-204-010\DWG\Production\20101-SG3A.dwg
Nathan Lim

DESERT HOPE DRIVE - ACCESS ROAD - (AKA REFERENCE (VILLAGE 26) REFERENCE (VILLAGE 26))	
PULTE HOMES	
WATER PLAN/SEWER PLAN AND PROFILE △ (REFERENCE PARKWAY)	

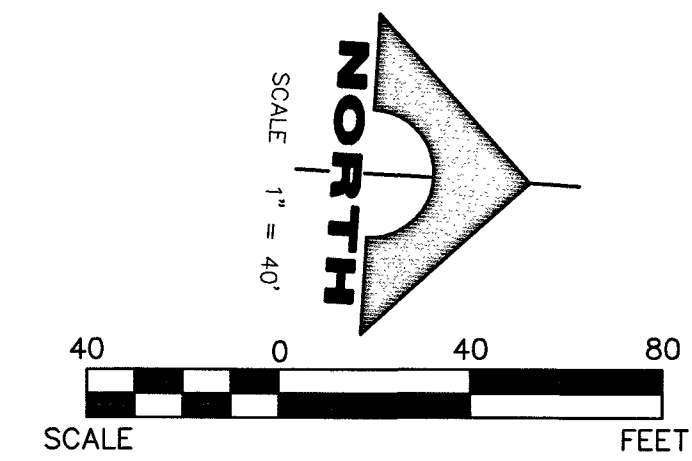
DRAWING
16 **S-3A**
16A OF 26 SHTS

PROJ#:124656 AGR#: 116016 QS:137-13-NW-137-14-NE XC 11196



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.

BENCHMARK
PROJECT DATUM: SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM
CLARK COUNTY VERTICAL CONTROL POINT: SLV09 1456
SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM: 3227.64 FEET
NAVD83 DATUM: 963.659 METERS (3227.22 FEET)
RIVET & PLATE IN HEAD WALL WEST OF CC215 +/-250' NORTH OF LAKE MEAD.
TO OBTAIN SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM ADD 0.42 FEET TO NAVD83 DATUM.



REVERENCE PARKWAY
NORTH BOUND LANES
PUBLIC STREET
SCALE: HORIZ. 1"=40'
VERT. 1"=8'

APPROVED FOR CONSTRUCTION
Signature on File (Sheet S-3A)
LAS VEGAS FIRE AND RESCUE
FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL
DATE

APPROVED FOR CONSTRUCTION
Signature of District Engineer
LAS VEGAS VALLEY WATER DISTRICT
PROJECT #124656
LVWD APPROVED FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL
DATE: 11/6/16

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Avoid cutting underground utility lines. It's costly.
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OR
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FAST
Call before you UnderGround
1-702-432-5300
FREEMAN AND ARTERIAL SYSTEM OF TRANSPORTATION

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

LEGEND

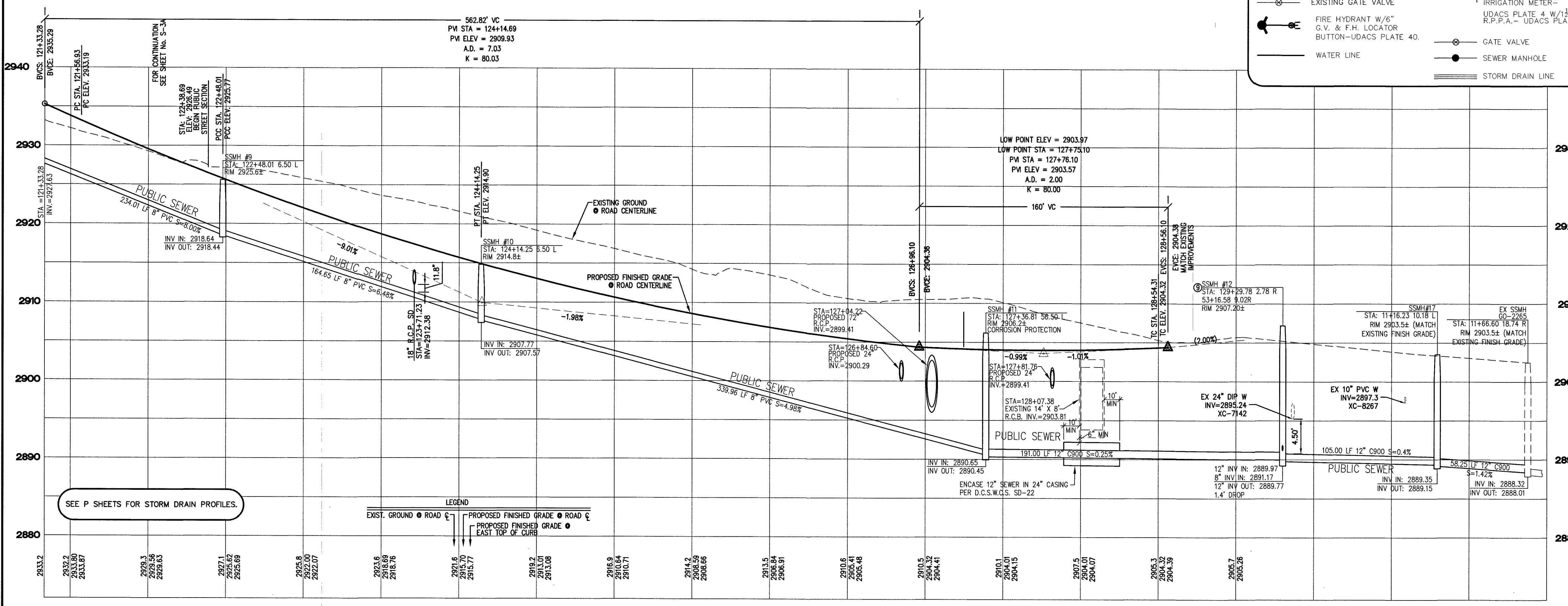
EXISTING FIRE HYDRANT W/6" G.V. & F.H. LOCATOR BUTTON-UDACS PLATE 40.	PRV	PRESSURE REDUCING VALVE
EXISTING WATER LINE	2"	BLOW-OFF PER UDACS STD. PLATE No. 36.
EXISTING GATE VALVE	12"	TYPE K COPPER WATER LATERAL W/12" IRRIGATION METER
FIRE HYDRANT W/6" G.V. & F.H. LOCATOR BUTTON-UDACS PLATE 40.	UDACS PLATE 4 W/12" R.P.A. - UDACS PLATE 8.	
WATER LINE	GATE VALVE	
	SEWER MANHOLE	
	STORM DRAIN LINE	

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	REMOVE MANHOLE PER DCSWCS 3.18.2a.
5	ABANDON SEWER LINE PER DCSWCS 3.18.1c.
6	INSTALL 12" PUBLIC PVC SEWER LINE.
7	INSTALL 60" SANITARY SEWER MANHOLE PER SD-1A AND SD-1B.
8	ADJUST TO GRADE
9	INSTALL CORROSION PROTECTION PER DCSWCS 3.16.18.

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.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" C905 PUBLIC WATER MAIN
16	INSTALL 16" DIP PUBLIC WATER MAIN
17	INSTALL 16" CLASS 53 DIP PUBLIC WATER MAIN
18	INSTALL 16" - 5' BEND W/ RESTRAINED JOINTS ON EACH END
19	INSTALL 16" - 11.25' BEND
20	INSTALL 16" - 22.5' BEND
21	INSTALL 16" - 45' BEND
22	INSTALL 16" - 90' BEND
23	INSTALL 16" X 8" REDUCER
24	CONSTRUCT CLASS 1 CLSM TRENCH BACKFILL PER UDACS PLATE 16 AND 19
25	INSTALL 16" GATE VALVE. VALVES SHALL NOT BE LOCATED IN STREET VALLEY GUTTERS OR WITHIN THE PROPOSED CURB & GUTTER LOCATIONS. UDACS PLATE 30 & 39
26	INSTALL TYPE "C" TEST STATION WITHOUT ANODE PER DETAIL 1 ON SHEET D-2A
27	INSTALL 4" COMBINATION AIR VALVE PER UDACS PLATE 38
28	INSTALL 6" PVC PUBLIC WATER MAIN
29	INSTALL 8" X 6" REDUCER UDACS PLATE 30
30	INSTALL 16" X 8" TEE
31	INSTALL 6" - 90' BEND UDACS PLATE 31
32	16" CAP W/ 2" BLOW-OFF PER (UDACS) PLATE No. 36
33	INSTALL 16" X 8" TEE
34	INSTALL 16" X 6" REDUCER UDACS PLATE No. 37



H# 18839 CLV DWG# 1074 4950-AR

STATE OF NEVADA
WESLEY T. PETTY
Professional Engineer
No. 16369
Exp. 12/31/2017

PROJECT NO.
764-204-013

DESIGNER: HN
DRAWN: HN
CHECK: WP

PLOT DATE: 10-31-16
PLOT TIME: 13:49:08

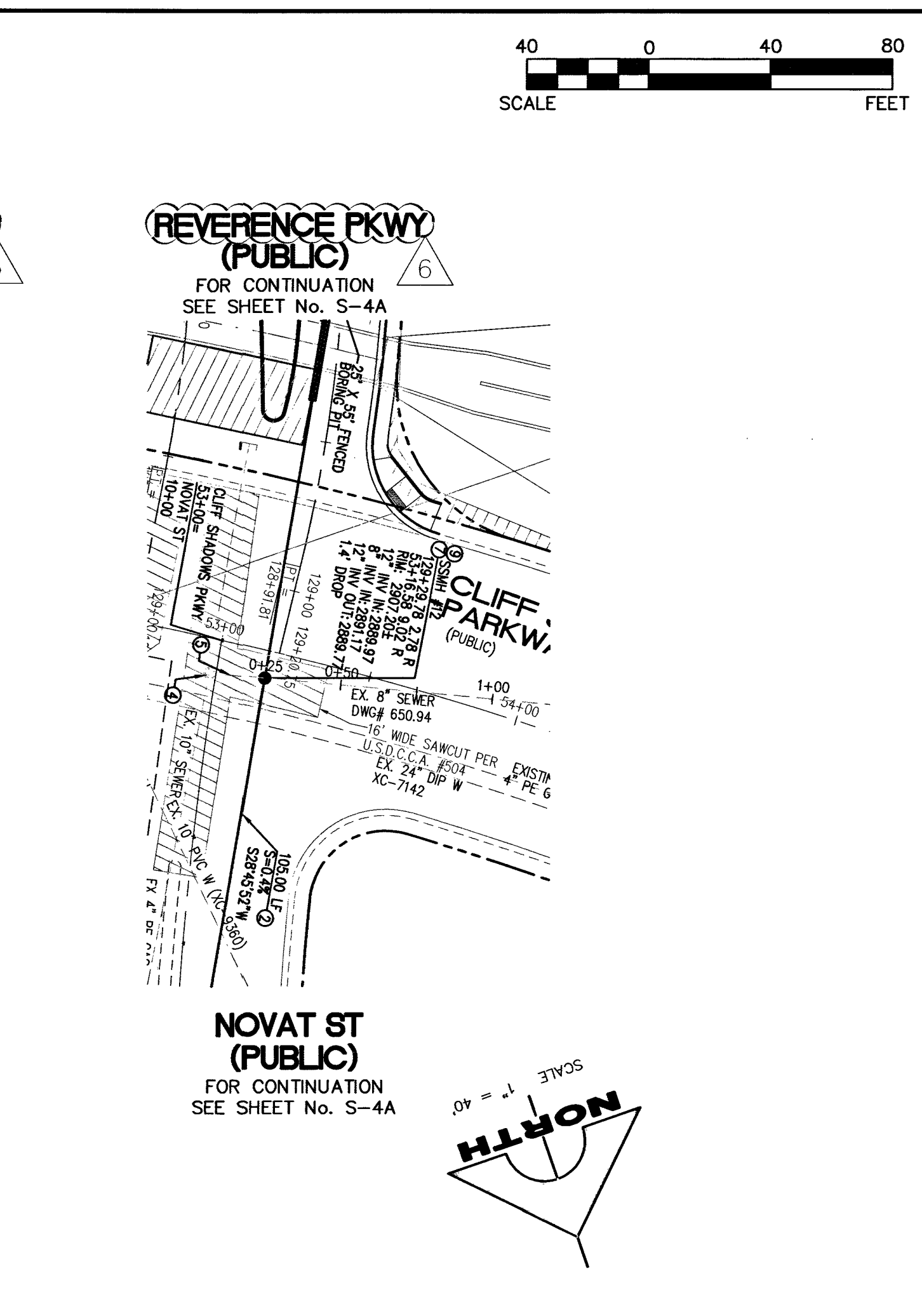
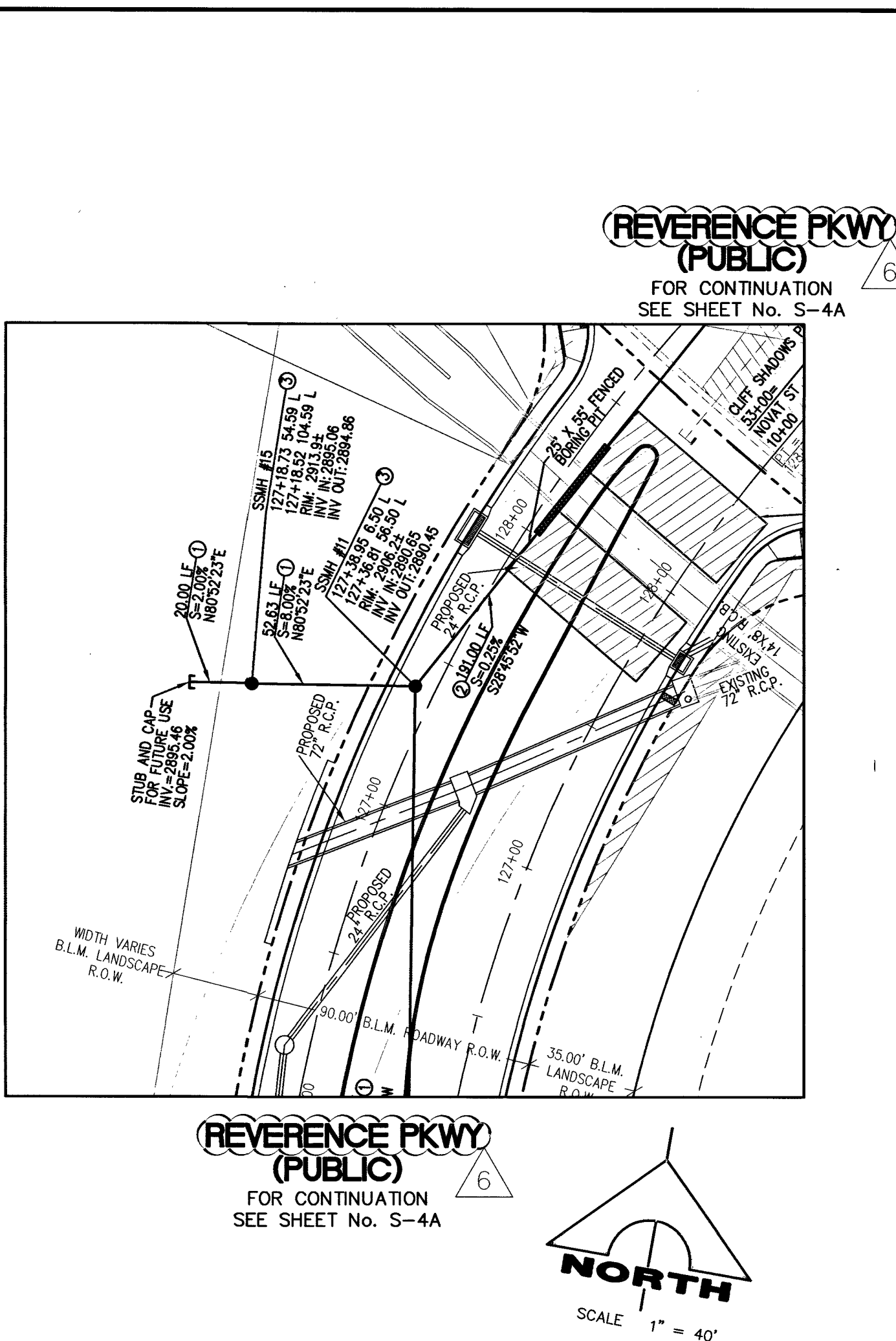
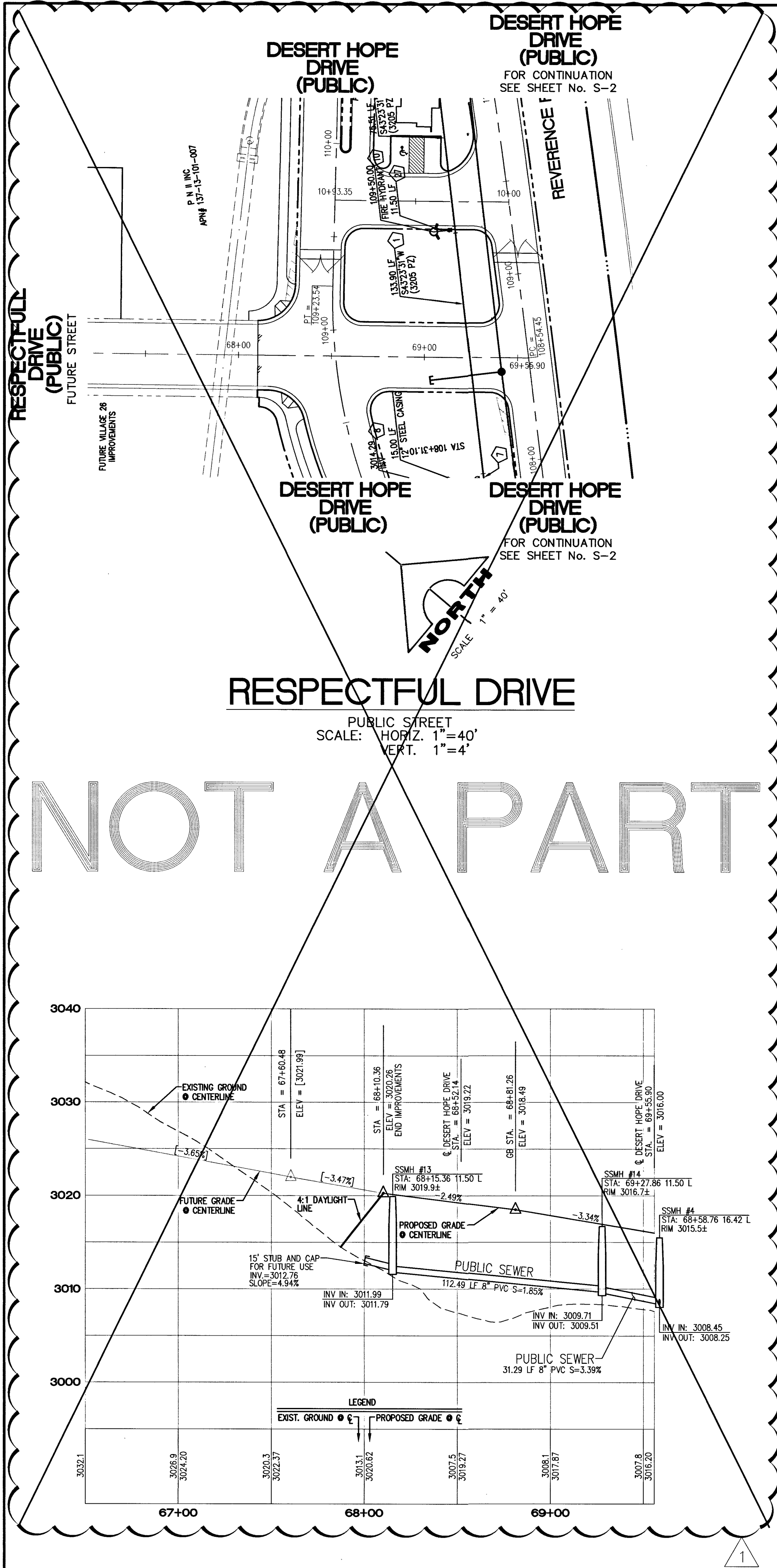
PROJECT SITE
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gowingengineering.com

ENGINEERS' SURVEYORS
GOWING ENGINEERS' SURVEYORS
Nathan Lim

WATER PLAN/SEWER PLAN AND PROFILE
PULTE HOMES
REFERENCE PARKWAY

DRAWING
17 S-4A
17A OF 26 SHTS

PROJ#: 124656 ACR# 116016 QS: 137-13-NW, 137-14-NE XC-11196



CLIFF PARKWY (PUBLIC)
FOR CONTINUATION SEE SHEET No. S-4A

NOVAT ST (PUBLIC)
FOR CONTINUATION SEE SHEET No. S-4A

EX 8" SEWER AT SSMH#12
PUBLIC STREET
SCALE: HORIZ. 1"=40'
VERT. 1"=4'

KEYMAP
NOT TO SCALE

BENCHMARK
PROJECT DATUM: SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM
CLARK COUNTY VERTICAL CONTROL POINT: SLV09 1456
SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM: 3227.64 FEET
NAVDS8 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 - REVERENCE PROJECT MODIFIED DATUM ADD 0.42 FEET TO NAVDS8 DATUM.

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 IN FILE 112, PAGE 94 OF PARCEL MAPS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

LEGEND

EXISTING FIRE HYDRANT W/6" G.V. & F.H. LOCATOR	PRV	PRESSURE REDUCING VALVE
BUTTON-UDACS PLATE 7.	2"	BLOW-OFF PER UDACS STD. PLATE No. 4A.
EXISTING WATER LINE	12"	TYPE K COPPER WATER LATERAL W/12" IRRIGATION METER-UDACS PLATE 1D W/14" R.P.P.A. - UDACS PLATE 11A.
EXISTING GATE VALVE	GATE VALVE	
FIRE HYDRANT W/6" G.V. & F.H. LOCATOR	SEWER MANHOLE	
WATER LINE	STORM DRAIN LINE	

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	REMOVE MANHOLE PER DCSWCS 3.18.2a.
⑤	ABANDON SEWER LINE PER DCSWCS 3.18.1c.
⑥	INSTALL 12" PUBLIC PVC SEWER LINE.
⑦	INSTALL 60" SANITARY SEWER MANHOLE PER SD-1A AND SD-1B.
⑧	ADJUST TO GRADE
⑨	INSTALL CORROSION PROTECTION PER DCSWCS 3.16.18.

DESERT HOPE DRIVE - ACCESS ROAD REVERENCE (VILLAGE 26)

PULTE HOMES

SEWER PLAN AND PROFILE

SEWER STUB AT SSMH#11 AND CLIFF SHADOWS PKWY

DESIGNER: G. C. WALLACE COMPANIES
ENGINEERS | PLANNERS | SURVEYORS
155 S. RAINBOW BOULEVARD, LAS VEGAS, NV 89146
TEL: 702.804.2000 FAX: 702.804.2299 GCWALLACE.COM

DATE: 4/13/17

REVISIONS:

NO.	DATE	DESCRIPTION
1	4/13/17	ISSUED FOR PERMITS
2	4/13/17	ISSUED FOR PERMITS
3	4/13/17	ISSUED FOR PERMITS
4	4/13/17	ISSUED FOR PERMITS
5	4/13/17	ISSUED FOR PERMITS
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98	4/13/17	ISSUED FOR PERMITS
99	4/13/17	ISSUED FOR PERMITS
100	4/13/17	ISSUED FOR PERMITS

WESLEY T. PETTY
Exp. 12/31/2017
CIVIL
CLARK COUNTY
TRAFFIC OPERATIONS
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

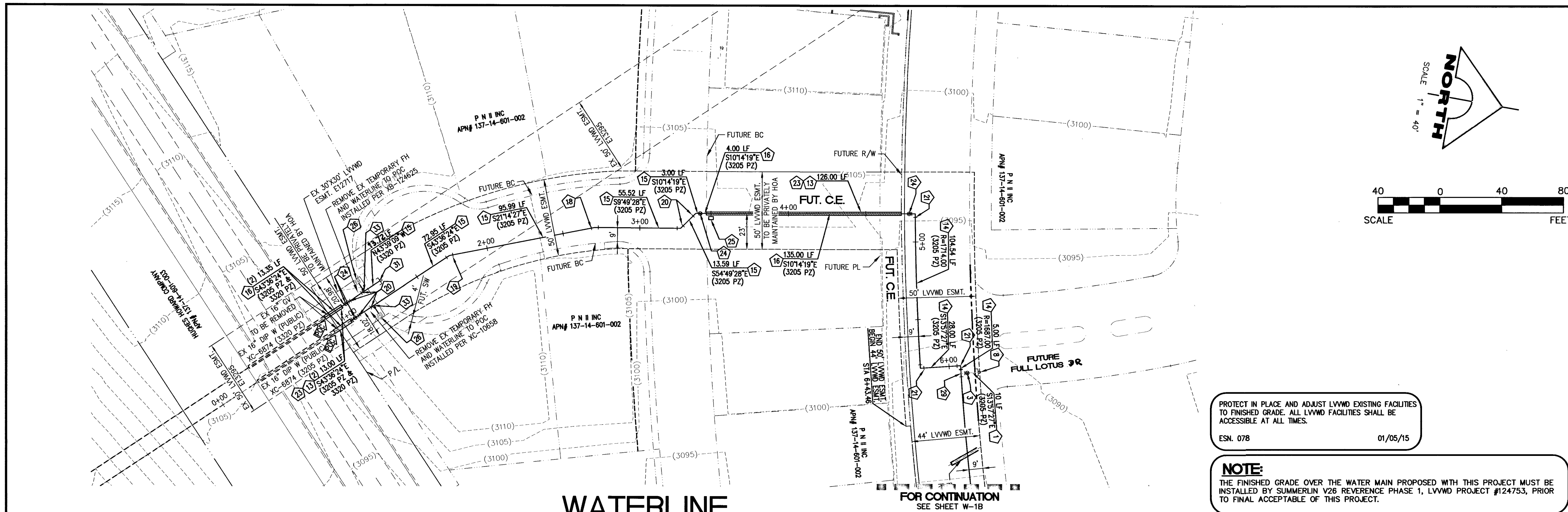
CALL BEFORE YOU GO UNDERGROUND
Avoid hitting underground utility lines. It's costly.
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)

CALL BEFORE YOU DO OVERHEAD
Avoid hitting overhead power lines. It's costly.
1-702-227-2929

DRAWING
18 S-5
18 OF 26 SHTS

CLV DRAWING NO. 107Y4950-AR



WATERLINE

SCALE: HORIZ. 1"=40'
VERT. 1"=8'

FOR CONTINUATION
SEE SHEET W-1B

PROTECT IN PLACE AND ADJUST LVWD EXISTING FACILITIES TO FINISHED GRADE. ALL LVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

ESN. 078 01/05/15

NOTE:

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

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.

BENCHMARK

PROJECT DATUM: SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM
CLARK COUNTY VERTICAL CONTROL POINT: SLV09 1456
SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM: 3227.64 FEET NAVD83 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 - REVERENCE PROJECT MODIFIED DATUM ADD 0.42 FEET TO NAVD83 DATUM.

THE DISTRICT CANNOT GUARANTEE A WATERTIGHT SHUTDOWN WHERE CONNECTIONS OR REPAIRS TO EXISTING FACILITIES ARE REQUIRED. THE CONTRACTOR SHALL ENSURE ALL LABOR AND EQUIPMENT IS AVAILABLE TO REMOVE FUGITIVE WATER THAT MAY IMPEDE CONSTRUCTION AT ALL TIMES. COORDINATION WITH INSPECTION DIVISION MUST TAKE PLACE PRIOR TO ANY TRIAL SHUTDOWN.
CONTRACTOR TO INSTALL TEMPORARY SERVICE TO ENSURE PROPER SHUTDOWN IN THE EVENT NO OTHER APPURTENANCES ARE AVAILABLE.

ANNUAL SPACE BETWEEN PIPE AND CASING SHALL BE FILLED WITH FINE SAND AND CONTROLLED LOW STRENGTH MATERIAL (CLSM 50 PSI-75 PSI). SEE UDACS PLATES 16, 17, 18, AND 19 FOR BEDDING AND BACKFILL REQUIREMENTS.
ESP. 038A REVISED 01/05/15

LEGEND

- EXISTING FIRE HYDRANT W/6" G.V. & F.H. LOCATOR BUTTON-UDACS PLATE 40.
- EXISTING WATER LINE
- EXISTING GATE VALVE
- 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.
- 12" TYPE K COPPER WATER LATERAL W/12" IRRIGATION METER- UDACS PLATE 4 W/12" R.P.A. UDACS PLATE 8.
- GATE VALVE
- SEWER MANHOLE
- STORM DRAIN LINE

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.

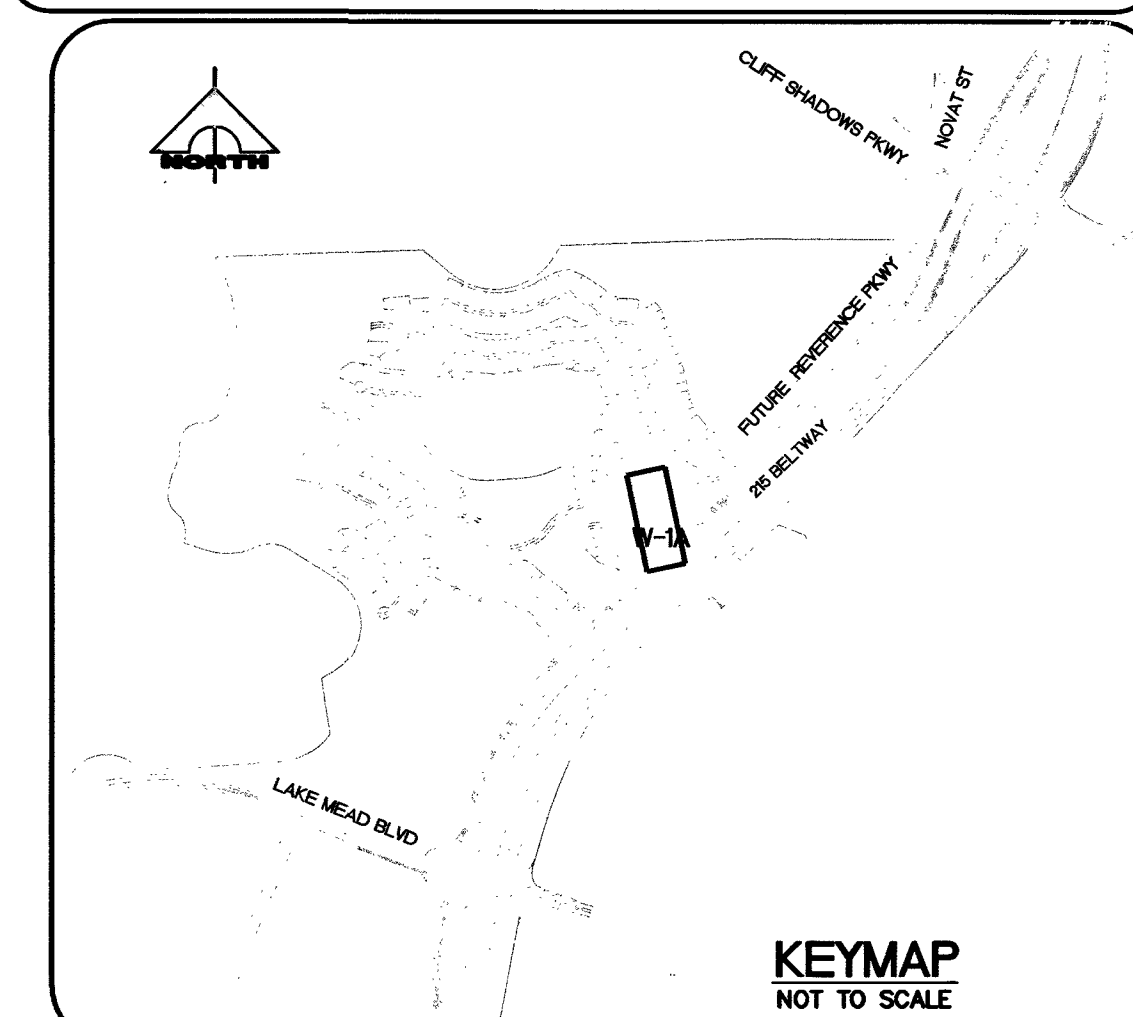
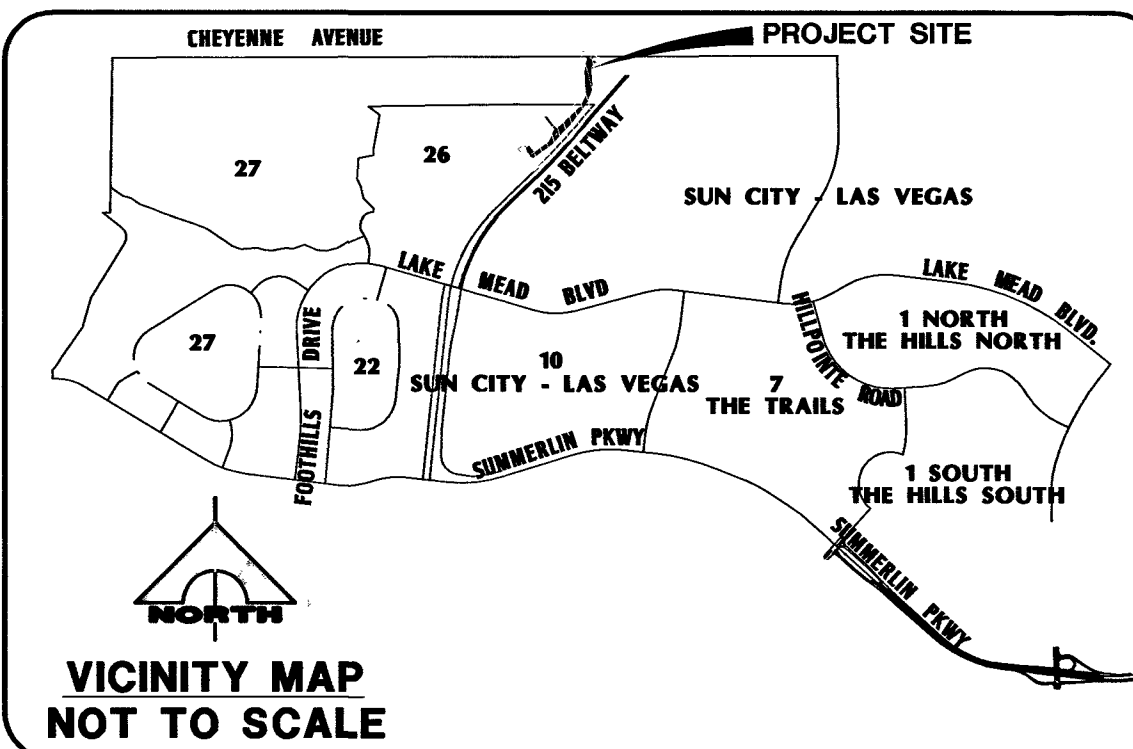
ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.

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

NOTE:
APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM THE LVWD.

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT
PROJECT #124656
LVWD APPROVED FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL
DATE: 10/4/16



KEYMAP

NOT TO SCALE

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.

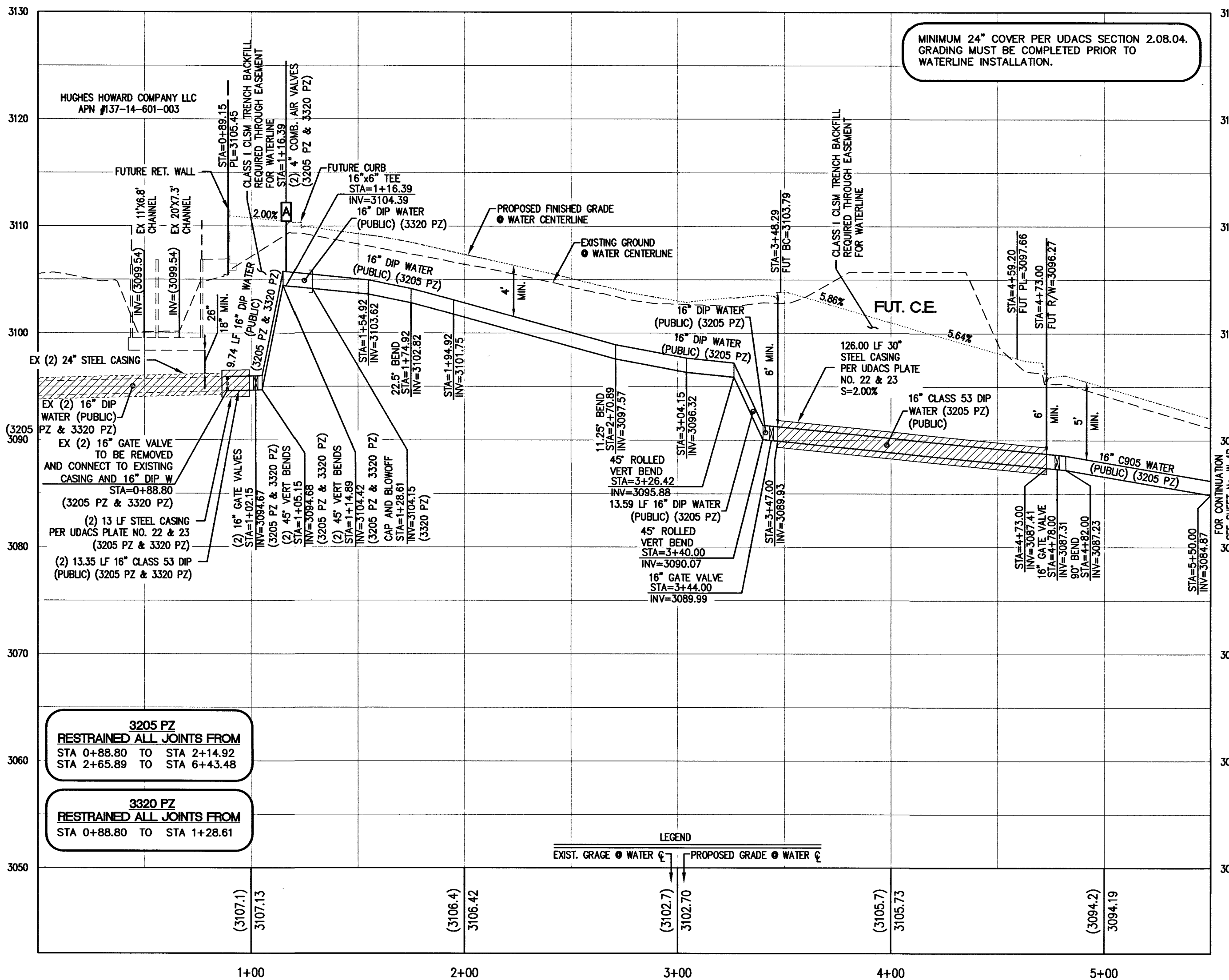
WATER CONSTRUCTION NOTES

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.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" DIP PUBLIC WATER MAIN
16	INSTALL 16" CLASS 53 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

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811
OR
1-800-227-2800

Call before you UnderGround
1-702-432-5300
FREIGHTWAY AND AIRPORT SYSTEMS OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
1-702-227-2929



MINIMUM 24" COVER PER UDACS SECTION 2.08.04. GRADING MUST BE COMPLETED PRIOR TO WATERLINE INSTALLATION.

3205 PZ
RESTRAINED ALL JOINTS FROM
STA 0+88.80 TO STA 2+14.92
STA 2+65.89 TO STA 6+43.48

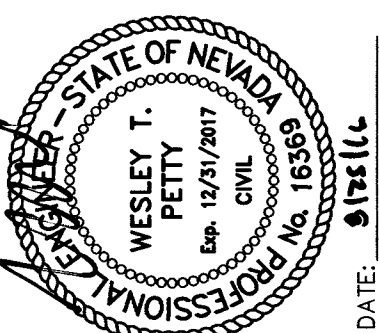
3320 PZ
RESTRAINED ALL JOINTS FROM
STA 0+88.80 TO STA 1+28.61

CONDITIONAL APPROVAL OF VALVED OUTLET (6" AND LARGER)
THE WATER PLANS SHOW ONE OR MORE VALVED OUTLETS EXTENDING OUTSIDE OF PAVED AREAS. INSTALLATION OF THESE OUTLETS IS ACCEPTABLE, HOWEVER, IF THE OUTLETS ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON WHEN THE PROPERTY IS ACTUALLY DEVELOPED, THE DEVELOPER SHALL ABANDON THE OUTLETS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH THE DISTRICTS STANDARDS, AND AT THE DEVELOPERS EXPENSE. APPROVAL OF THE VALVED OUTLET DOES NOT PROVIDE OR IMPLY A WATER COMMITMENT.

WATER MAIN JOINT DEFLECTION (DIP 14"-24")
DIP PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE JOINT DEFLECTION SHALL BE (1.5) DEGREE PER JOINT WITH A MINIMUM RADIUS OF CURVATURE OF 690' (16" SEC)/765' (20" SEC), PER UDACS 2.07.03.
FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED.

APPROVED FOR CONSTRUCTION

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



REV	DATE	DESCRIPTION
1	10/07/16	REVISED STREET NAMES
2	10/07/16	REVISED STREET NAMES
3	10/07/16	REVISED STREET NAMES
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5	10/07/16	REVISED STREET NAMES
6	10/07/16	REVISED STREET NAMES
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100	10/07/16	REVISED STREET NAMES

PROJECT NO. 764-204-018
DESIGN: HN
DRAWN: HN
CHECK: WP
PLOT DATE: 08-24-16
PLOT TIME: 13:52:15

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcvengineering.com

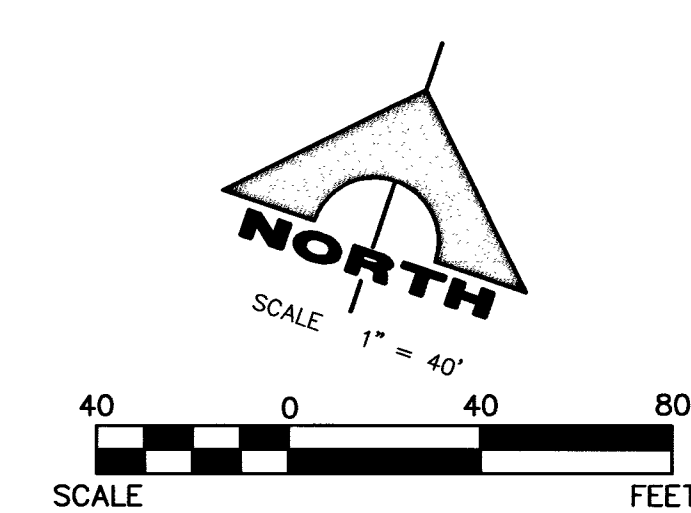
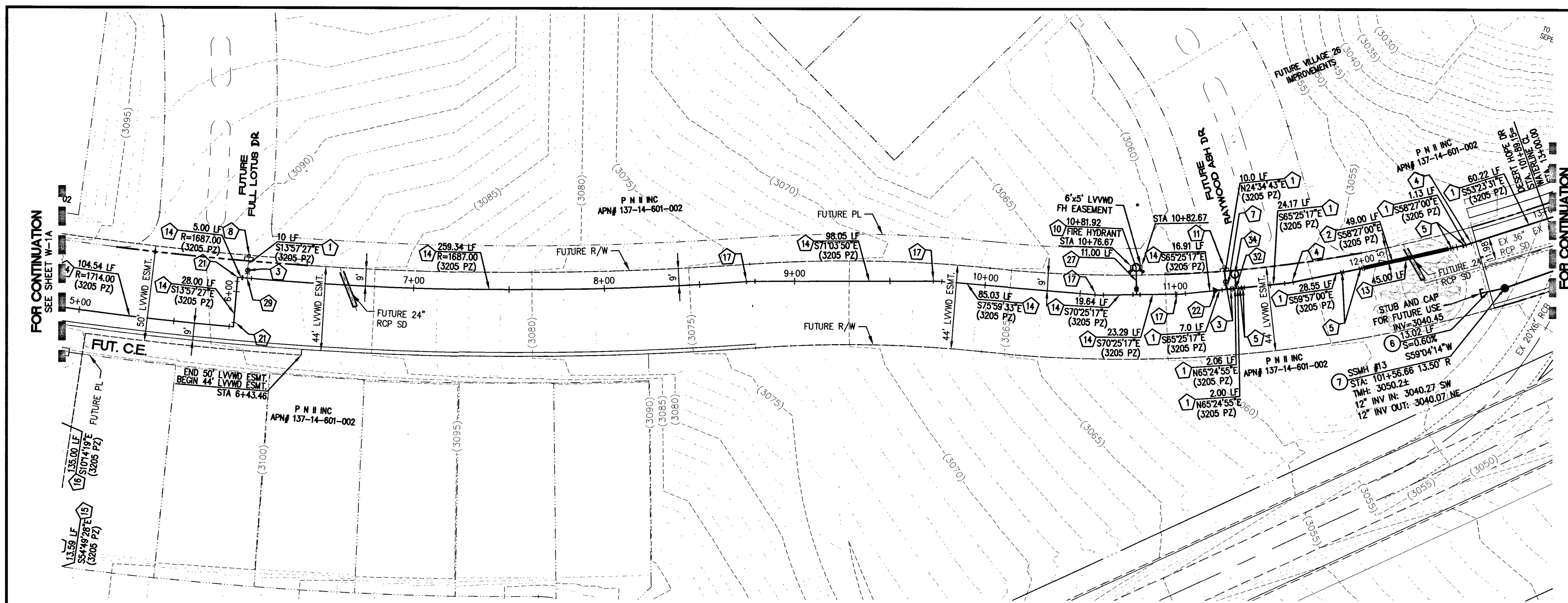
GCV
ENGINEERS & SURVEYORS
Nathan Lim

DESERT HOPE DRIVE - ACCESS ROAD - (NVA REFERENCE PARKWAY)
REVERENCE (VILLAGE 26)

PULTE HOMES
WATER PLAN AND PROFILE
REFERENCE PARKWAY

DRAWING
19 W-1A
19A OF 26 SHTS

H# 18839
CLV DWG# 107Y4950-AR

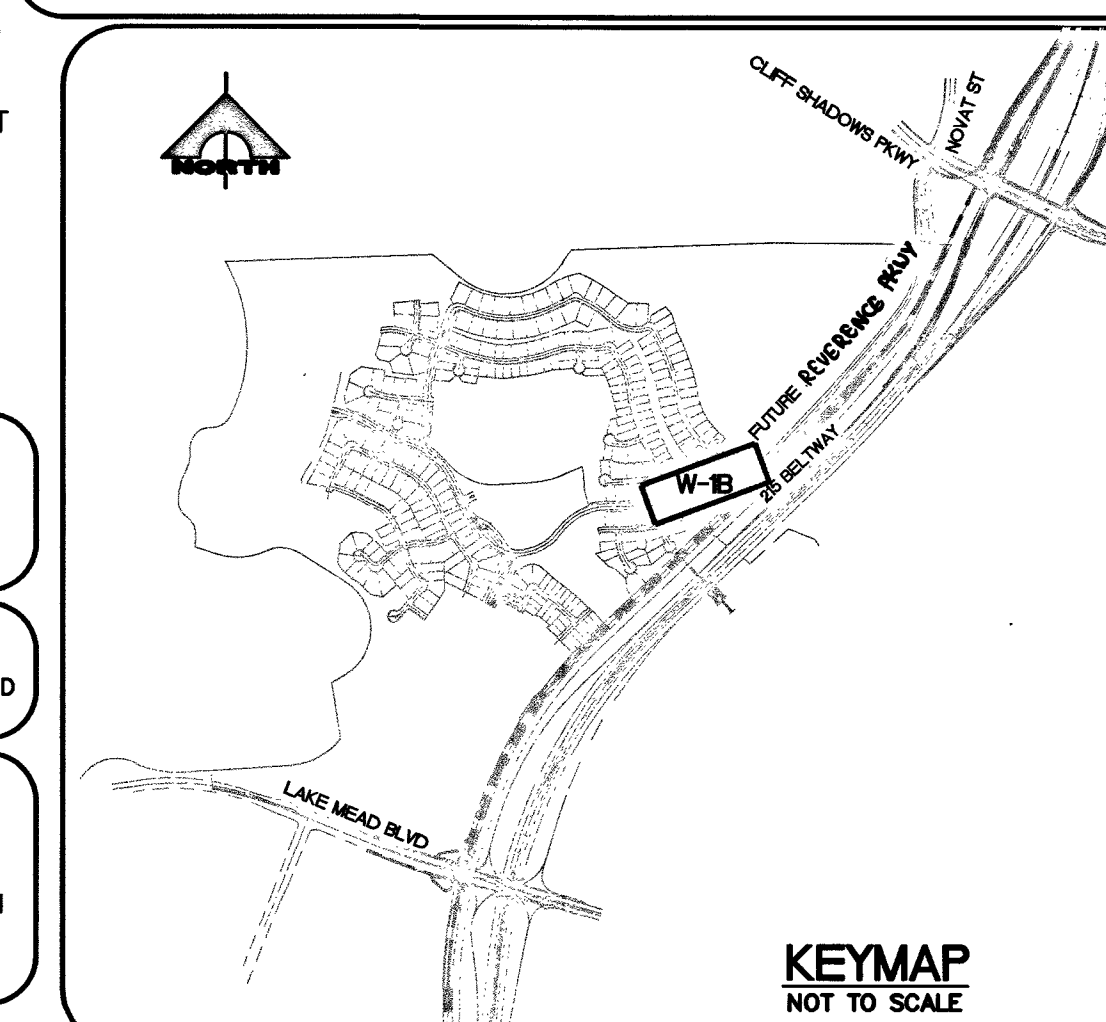
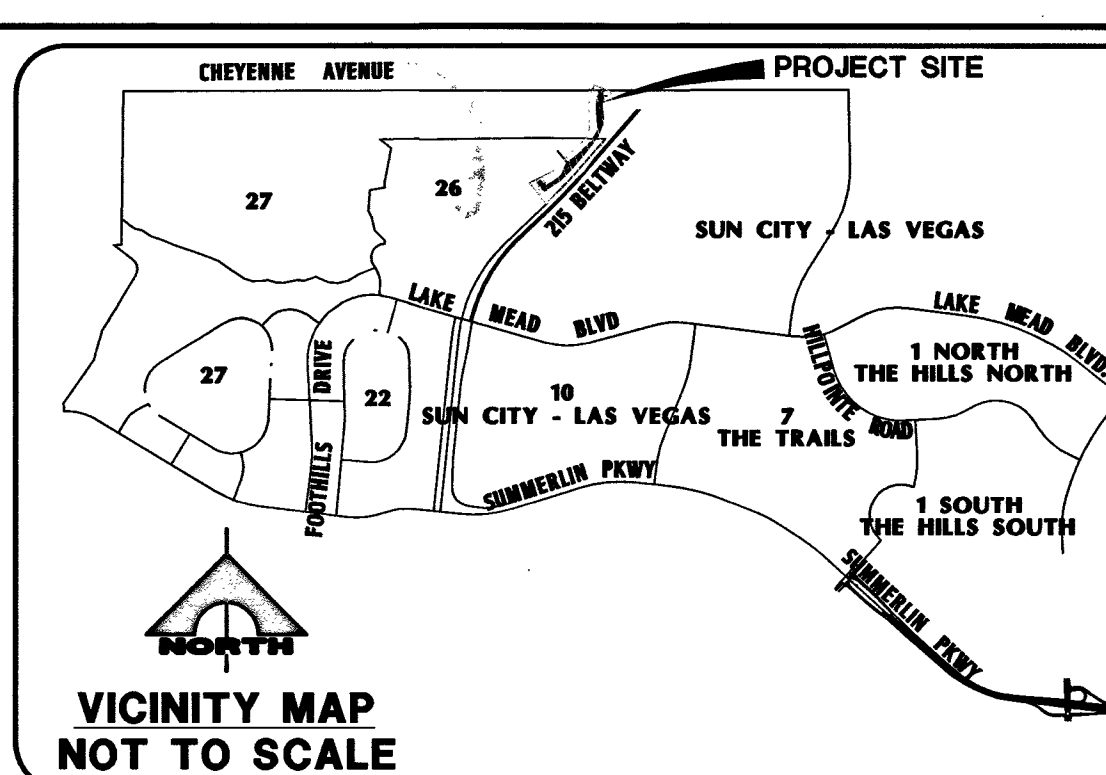


NOTE:
INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER UDACS PLATE NO. 15.

NOTE:
ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.

NOTE:
APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM THE LVVWD.

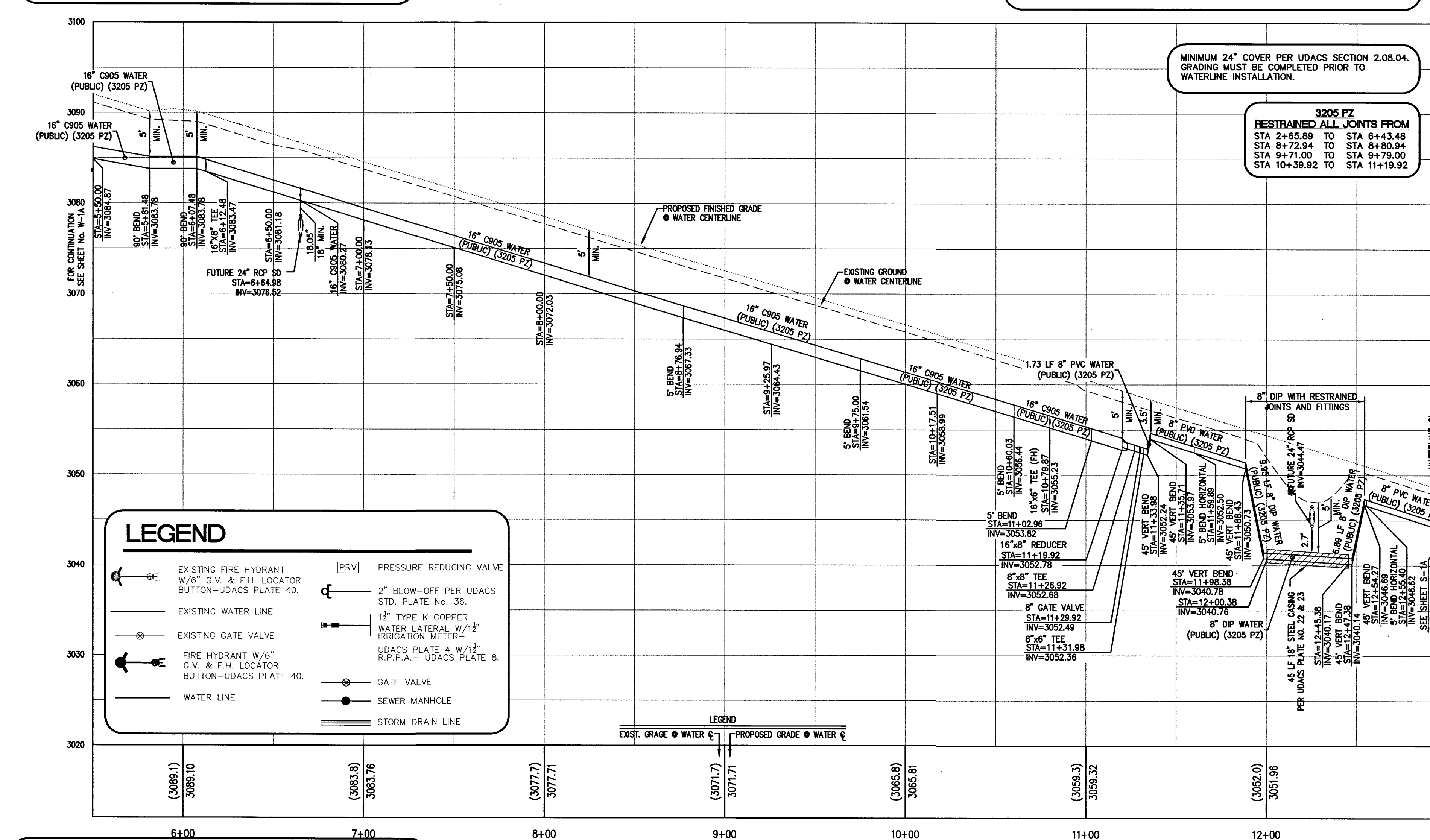
BASIS OF BEARING
SOUTH 89°39'55" EAST, BEING THE BEARING OF THE NORTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 13, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., AS SHOWN BY MAP THEREOF ON FILE IN FILE 91, PAGE 28 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE,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



WATERLINE
SCALE: HORIZ. 1"=40'
VERT. 1"=8'

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, LVVWD PROJECT #124753, PRIOR TO FINAL ACCEPTANCE OF THIS PROJECT.



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 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.

ANNUAL SPACE BETWEEN PIPE AND CASING SHALL BE FILLED WITH FINE SAND OR CONTROLLED LOW STRENGTH MATERIAL (CLSM 50 PSI - 75 PSI). SEE UDACS PLATES 16, 17, 18, AND 19 FOR BEDDING AND BACKFILL REQUIREMENTS.

ESP. 038A REVISED 01/05/15

ESN. 038A REVISED 01/05/15

* 24" RCP SD TO BE INSTALLED WITH SUMMERLIN V26 REFERENCE PHASE 1, LVVWD PROJECT #124753.

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" C905 PUBLIC WATER MAIN
16	INSTALL 16" DIP PUBLIC WATER MAIN
17	INSTALL 16" CLASS S3 DIP PUBLIC WATER MAIN
18	INSTALL 16" - 5" BEND W/ RESTRAINED JOINTS ON EACH END
19	INSTALL 16" - 11.25° BEND
20	INSTALL 16" - 22.5° BEND
21	INSTALL 16" - 45° BEND
22	INSTALL 16" - 90° BEND
23	INSTALL 16" X 8" REDUCER
24	CONSTRUCT CLASS 1 CLSM TRENCH BACKFILL PER UDACS PLATE 16 AND 19
25	INSTALL 16" GATE VALVE. VALVES SHALL NOT BE LOCATED IN STREET VALLEY GUTTERS OR WITHIN THE PROPOSED CURB & GUTTER LOCATIONS. UDACS PLATE 30 & 39
26	INSTALL TYPE "C" TEST STATION WITHOUT ANODE PER DETAIL 1 ON SHEET D-2A
27	INSTALL 4" COMBINATION AIR VALVE PER UDACS PLATE 38
28	INSTALL 6" PVC PUBLIC WATER MAIN
29	INSTALL 8" X 6" REDUCER UDACS PLATE 30
30	INSTALL 16" X 8" TEE
31	INSTALL 6" - 90° BEND UDACS PLATE 31
32	16" CAP W/ 2" BLOW-OFF PER (UDACS) PLATE No. 36
33	INSTALL 8"x8" TEE
34	INSTALL 16"x8" TEE
35	INSTALL 6" MANUAL BLOW-OFF ASSEMBLY PER UDACS PLATE No. 37

BENCHMARK
PROJECT DATUM: SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM
CLARK COUNTY VERTICAL CONTROL POINT: SLV09 1456
SUMMERLIN VILLAGE 26 - REVERENCE 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 - REVERENCE PROJECT MODIFIED DATUM ADD 0.42 FEET TO NAVD88 DATUM.

CONDITIONAL APPROVAL OF VALVED OUTLET (6" AND LARGER)
THE WATER PLANS SHOW ONE OR MORE VALVED OUTLETS EXTENDING OUTSIDE OF PAVED AREAS. INSTALLATION OF THESE OUTLETS IS ACCEPTABLE, HOWEVER, IF THE OUTLETS ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON WHEN THE PROPERTY IS ACTUALLY DEVELOPED, THE DEVELOPER SHALL ABANDON THE OUTLETS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH THE DISTRICTS STANDARDS, AND AT THE DEVELOPERS EXPENSE. APPROVAL OF THE VALVED OUTLET DOES NOT PROVIDE OR IMPLY A WATER COMMITMENT.

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

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT
PROJECT #124656
LVVWD APPROVED FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL
DATE: 10/4/16

Call before you Dig
Call 811
1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300

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

PROJECT NO. 764-204-013

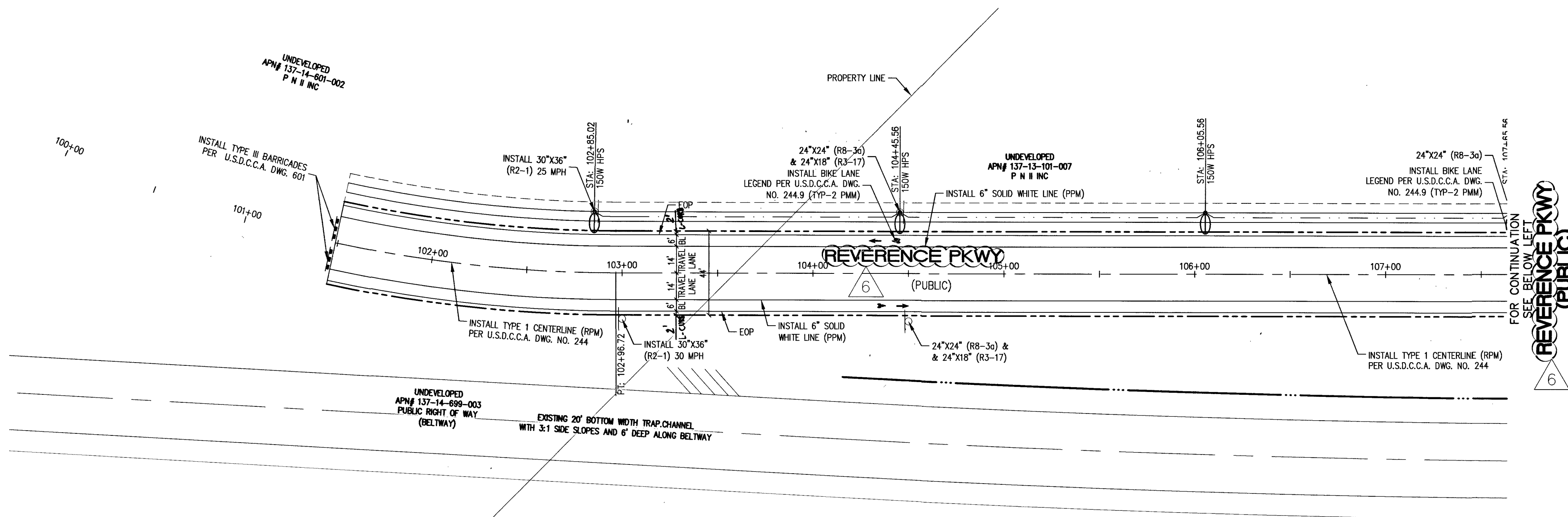
DESIGNER: GCV ENGINEERS & SURVEYORS
1555 S. RAINBOW BLVD., LAS VEGAS, NV 89146
T: 702.804.2000 F: 702.804.2299
gcvengineering.com

PULTE HOMES

WATER PLAN AND PROFILE
REVERENCE PARKWAY

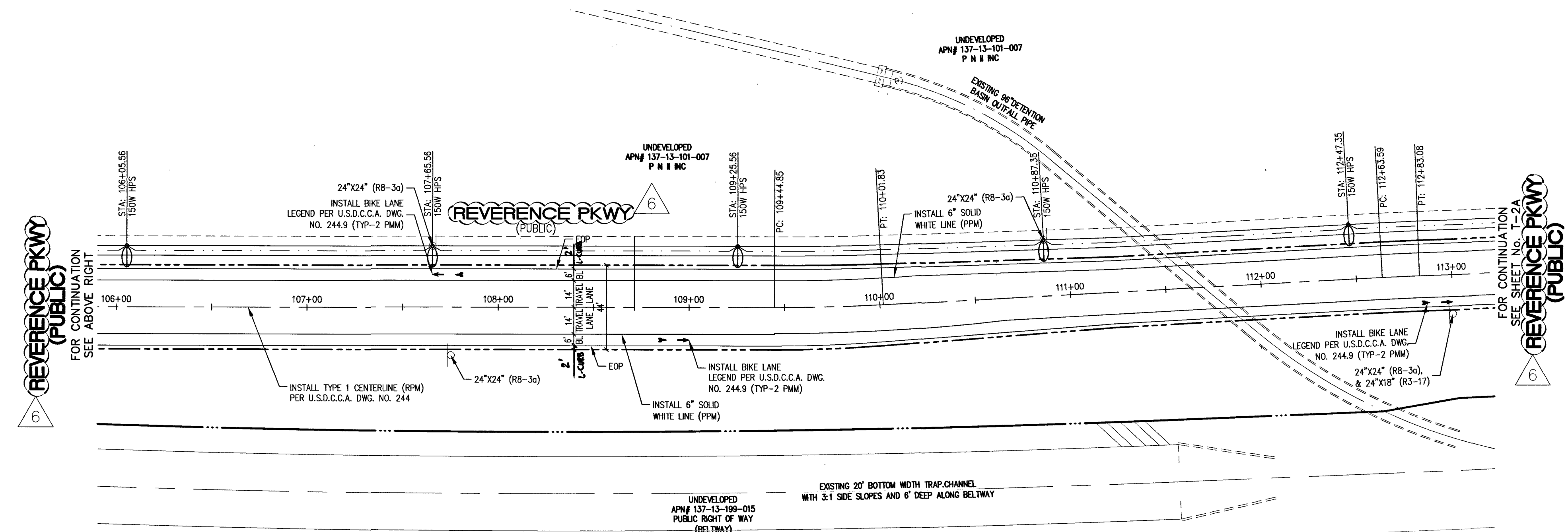
DRAWING W-1B
19B OF 26 SHTS

PROJ#124656 AR#116016 QS:137-13-NV,137-14-NE XC 11198



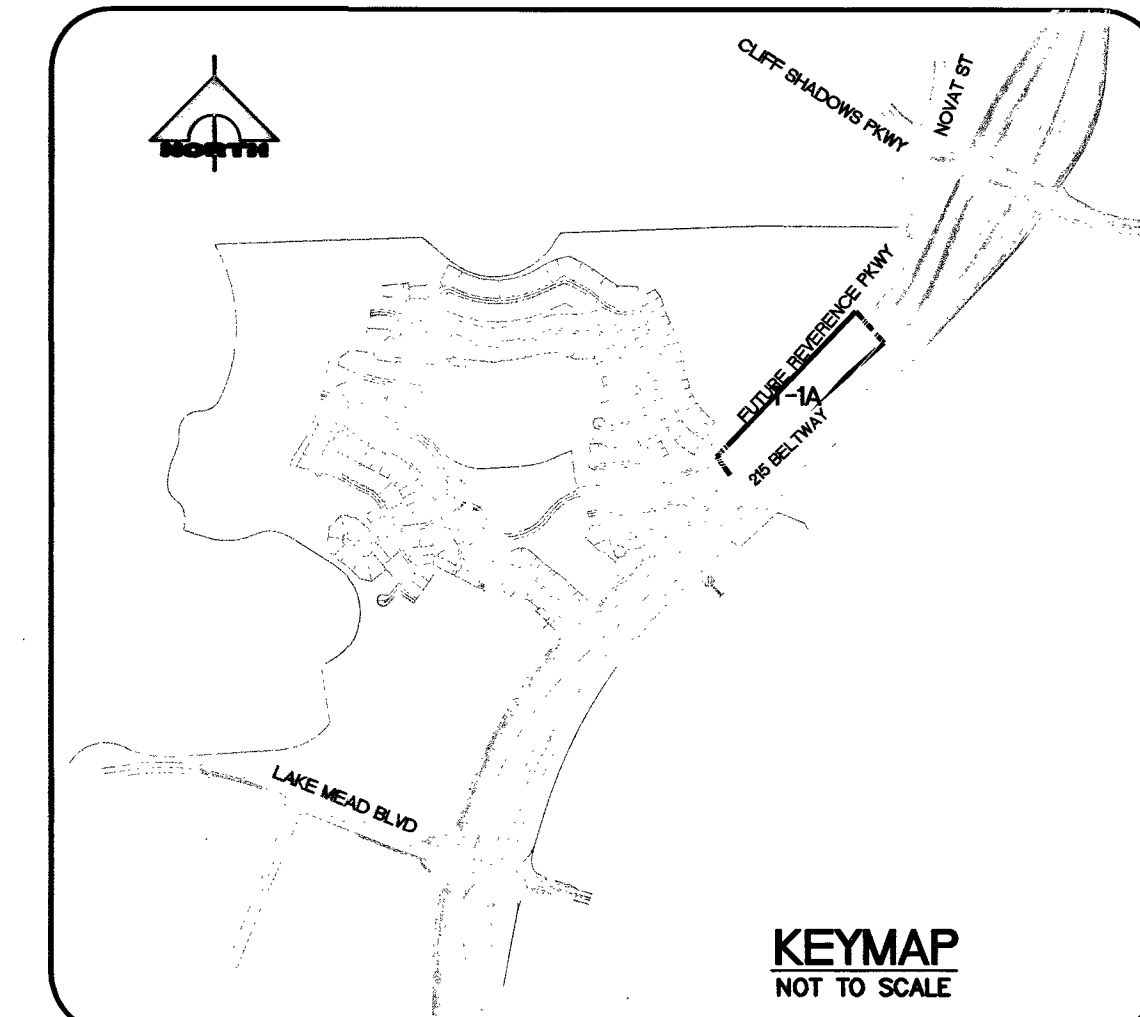
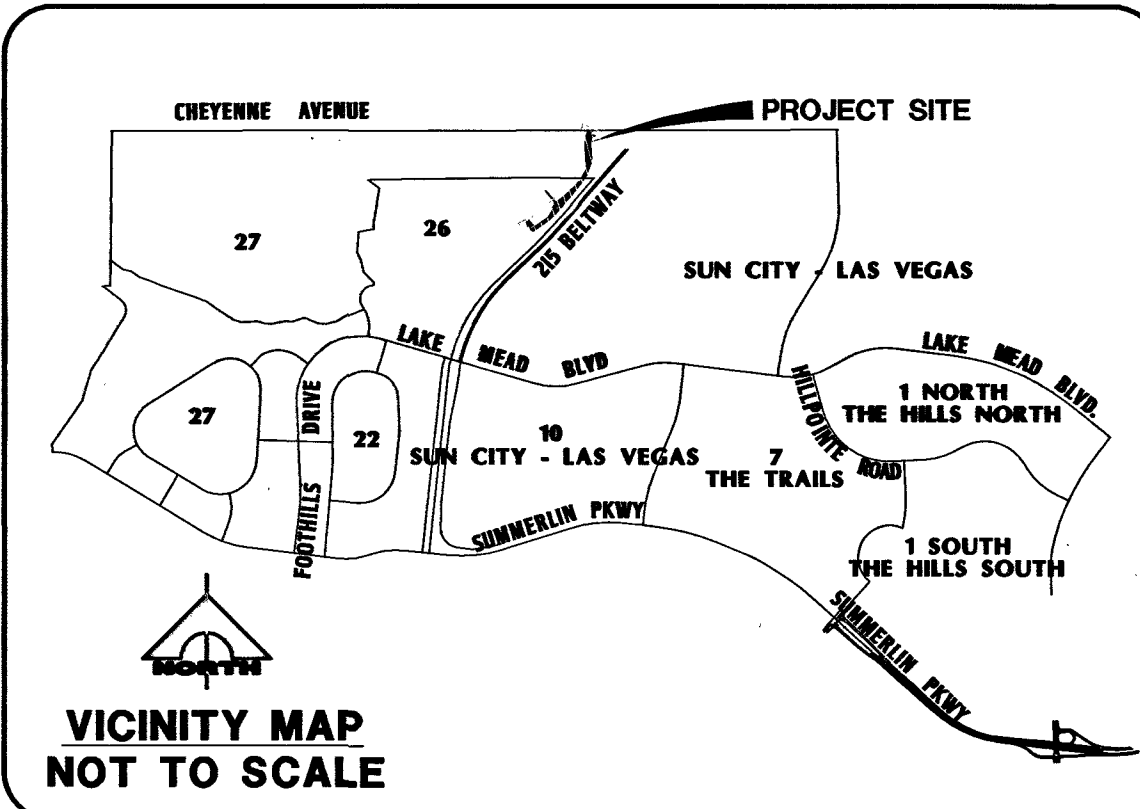
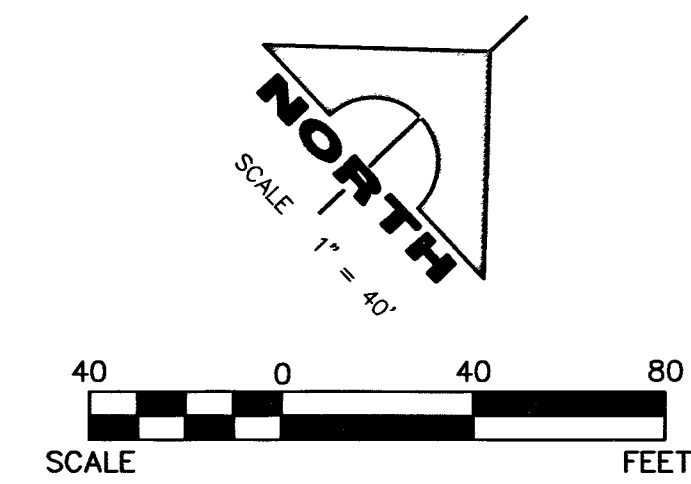
REFERENCE PARKWAY

PUBLIC STREET
SCALE: HORIZ. 1"=40'



REFERENCE PARKWAY

PUBLIC STREET
SCALE: HORIZ. 1"=40'



BENCHMARK
PROJECT DATUM: SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM
CLARK COUNTY VERTICAL CONTROL POINT: 5LV09 1456
SUMMERLIN VILLAGE 26 - REVERENCE PROJECT MODIFIED DATUM: 3227.64 FEET
NAVDB8 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 - REVERENCE PROJECT MODIFIED DATUM ADD 0.42 FEET TO NAVDB8 DATUM.

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 IN FILE 112, PAGE 94 OF PARCEL MAPS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

LEGEND	
9" STREET NAME SIGN (D-3, 2 PER POLE)	400W HPS STREET LIGHT TRAFFIC SIGNAL
STOP SIGN W/ POST (30" R1-1)	150W HPS STREET LIGHT
TRAFFIC SIGN (AS INDICATED)	#3 1/2 PULL BOX
RIGHT VISIBILITY ZONE NO IMPROVEMENTS OVER 24" IN HEIGHT EXCEPT TRAFFIC CONTROL DEVICES	150 AMP PAD MOUNT SERVICE PEDESTAL
REMOVE CONFLICTING STRIPING	1 1/4" CONDUIT
	2" CONDUIT

NOTE:
ALL STREET LIGHTS TO BE CITY OF LAS VEGAS STANDARD STREET LIGHTS.

NOTE:
INSTALL STREET NAME SIGNS AS PER CLV SUBDIVISION ORDINANCE 18.12.105 & 18.12.106:
STREET NAME SIGNS FOR PRIVATE STREETS SHALL BEAR THE WORDS "PRIVATELY MAINTAINED" AND SHALL BE A COLOR AND DESIGN ESTABLISHED BY THE CITY AND IN CONFORMANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THE COLOR OF SUCH A SIGN MUST DIFFER DISTINCTLY FROM THE USED IN CONNECTION WITH PUBLIC STREETS.
COLOR FOR STREET NAME SIGNS SHALL BE WHITE LETTERS ON BROWN BACKGROUND.

NOTE:
PRIVATE STREETS ARE P.U.E.S., CLV PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENT TO BE PRIVATELY MAINTAINED.

ABBREVIATION
RPM - RAISED PAVEMENT MARKERS
PPM - PAVEMENT MARKING MATERIAL
PPM - POLYUREA PAINT MARKING

Call before you Dig
Call 811
OR
1-800-227-2600

FAST
Call before you Underground
1-702-432-5300
FEDERAL AND NATIONAL SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DIG
1-702-227-2929

R8-3a	W4-2	R2-1	R5-1	R3-7R
R3-17	R4-7	R1-1	R6-1L	R4-7a

H# 653618839 CLV DWG# 107Y4950-AR

PROJECT NO.	764-204-018
DESIGN	HN
DRAWN	HN
CHECK	WP
PLOT DATE	10-12-16
PLOT TIME	11:10:52

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcvengineering.com

GCV
ENGINEERS' SURVEYORS

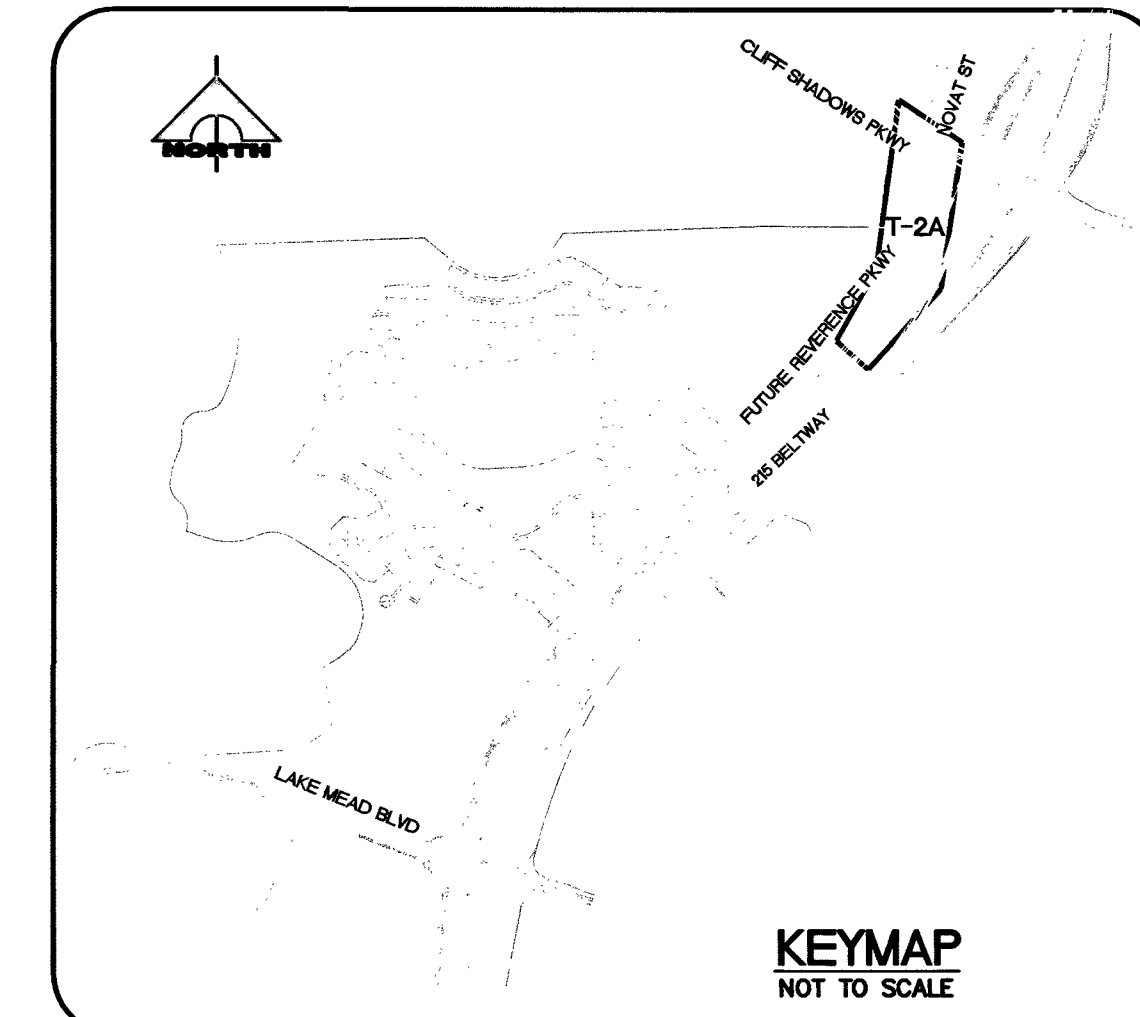
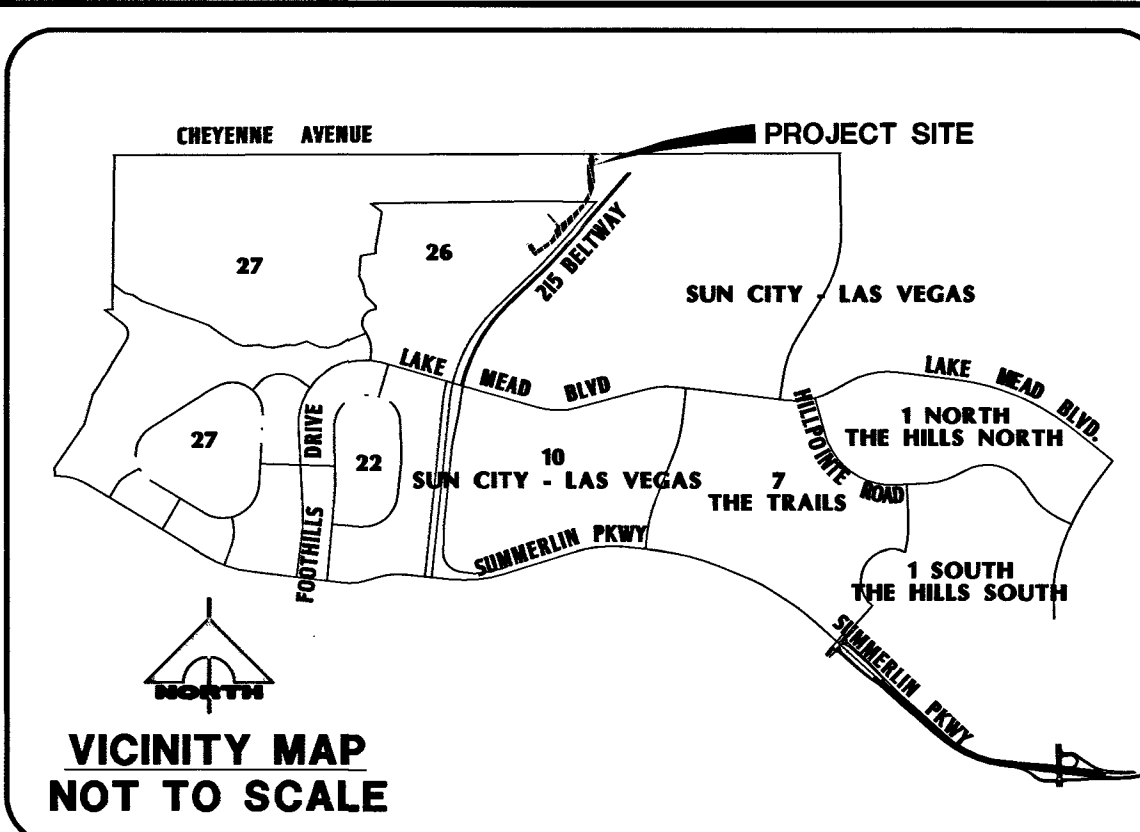
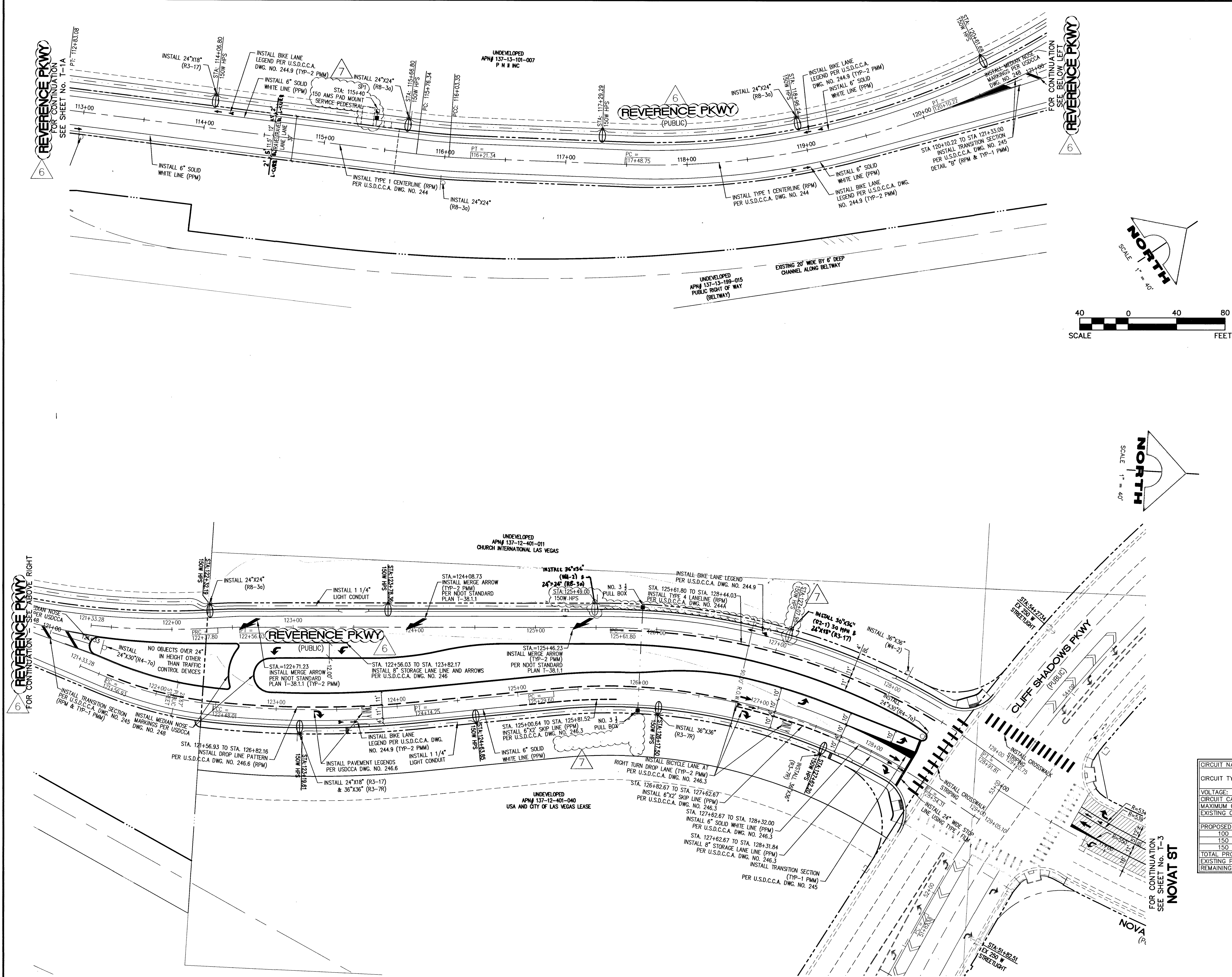
Nathan Lim

DESERT HOPE DRIVE - ACCESS ROAD - (AKA REVERENCE PARKWAY)
REVERENCE (VILLAGE 26)

PULTE HOMES

STREETLIGHT, TRAFFIC, AND SIGNAGE PLAN
(REFERENCE PARKWAY)

DRAWING
21 T-1A
20A OF 26 SHTS



BENCHMARK

PROJECT DATUM: SUMMERLIN VILLAGE 26 - REFERENCE PROJECT MODIFIED DATUM
CLARK COUNTY VERTICAL CONTROL POINT: 5LV09 1456
SUMMERLIN VILLAGE 26 - REFERENCE PROJECT MODIFIED DATUM: 3227.64 FEET
NAV88 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 NAV88 DATUM.

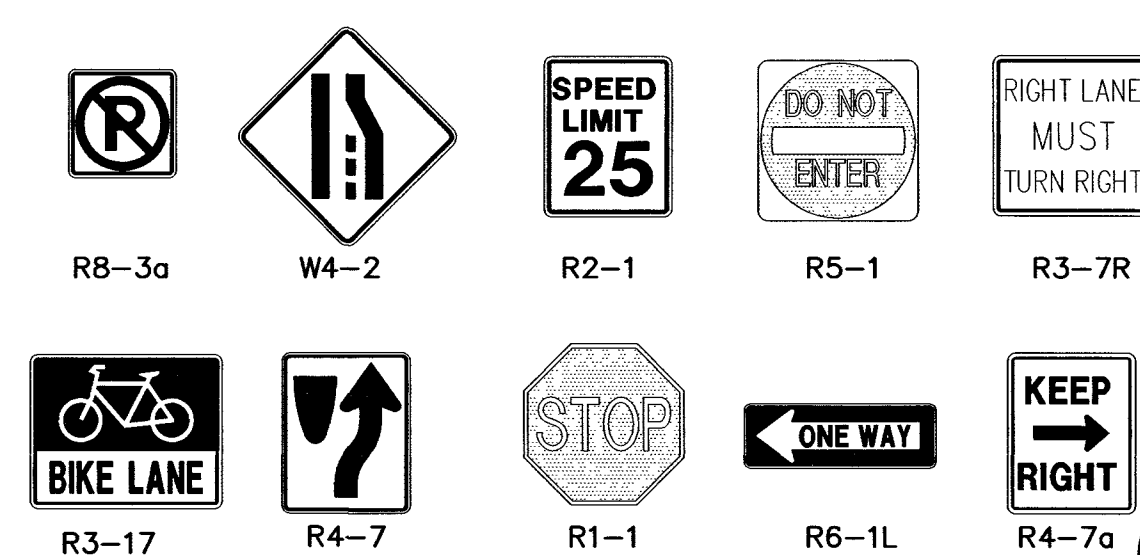
BASIS OF BEARING

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 IN FILE 112, PAGE 94 OF PARCEL MAPS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

LEGEND

9" STREET NAME SIGN (D-3, 2 PER POLE)	400W HPS STREET LIGHT
STOP SIGN W/ POST (30" R1-1)	TRAFFIC SIGNAL
TRAFFIC SIGN (AS INDICATED)	150W HPS STREET LIGHT
SIGHT VISIBILITY ZONE	#3 1/2 PULL BOX
NO IMPROVEMENTS OVER 24" IN HEIGHT, EXCEPT TRAFFIC CONTROL DEVICES	150 AMP PAD MOUNT SERVICE PEDESTAL
REMOVE CONFLICTING STRIPING	1 1/4" CONDUIT
	2" CONDUIT

CIRCUIT NAME	SP1
CIRCUIT TYPE	STREET LIGHTING
VOLTAGE:	150
CIRCUIT CAPACITY:	60
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF CIRCUIT CAPACITY:	48
EXISTING CIRCUIT LOAD AMPS =	0.0
PROPOSED LOAD TO CIRCUIT:	PROPOSED
100 WATT SINGLE LUMINAIRES AT 240V = 0.50 AMPS	QTY. AMPS
150 WATT SINGLE LUMINAIRES AT 240V = 0.75 AMPS	0 0
150 WATT TWIN LUMINAIRES AT 240V = 1.50 AMPS	0 0
TOTAL PROPOSED LOAD AMPS =	20 30
EXISTING PLUS PROPOSED LOAD AMPS =	30
REMAINING AVAILABLE LOAD AMPS: MAXIMUM - EXISTING - PROPOSED =	30
	18



NOTE:
INSTALL STREET NAME SIGNS AS PER CLV SUBDIVISION ORDINANCE 18.12.105 & 18.12.100:
STREET NAME SIGNS FOR PRIVATE STREETS SHALL BEAR THE WORDS "PRIVATELY MAINTAINED" AND SHALL BE A COLOR AND DESIGN ESTABLISHED BY THE CITY AND IN CONFORMANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THE COLOR OF SUCH A SIGN MUST DIFFER DISTINCTLY FROM THE USED IN CONNECTION WITH PUBLIC STREETS.
COLOR FOR STREET NAME SIGNS SHALL BE WHITE LETTERS ON BROWN BACKGROUND.

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NOTE:
PRIVATE STREETS ARE P.U.E.S., CLV PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENT TO BE PRIVATELY MAINTAINED.

NOTE:
FOR TRAFFIC SIGNAL UNDERGROUND DETAIL, SEE SHEETS T-3A AND T-3B.

Call before you Dig

Call 811

1-800-227-2600

FAST

Call before you UnderGround

1-702-432-5300

CALL BEFORE YOU DO OVERHEAD

1-702-227-2929

STATE OF NEVADA

WESLEY T. PETTY

PROFESSIONAL ENGINEER

DATE: 12/13/14

PROJECT NO. 764-204-013

DESIGN: HN

DRAWN: HN

CHECK: WP

PLOT DATE: 10-12-16

PLOT TIME: 11:12:20

1555 S. RAINBOW BLVD.

LAS VEGAS, NV 89146

T: 702.804.2200

F: 702.804.2299

goverengineering.com

GCV

ENGINEERS & SURVEYORS

DESERT HOPE DRIVE - ACCESS ROAD - (NVA REFERENCE PARKWAY)

REFERENCE (VILLAGE 26)

PULTE HOMES

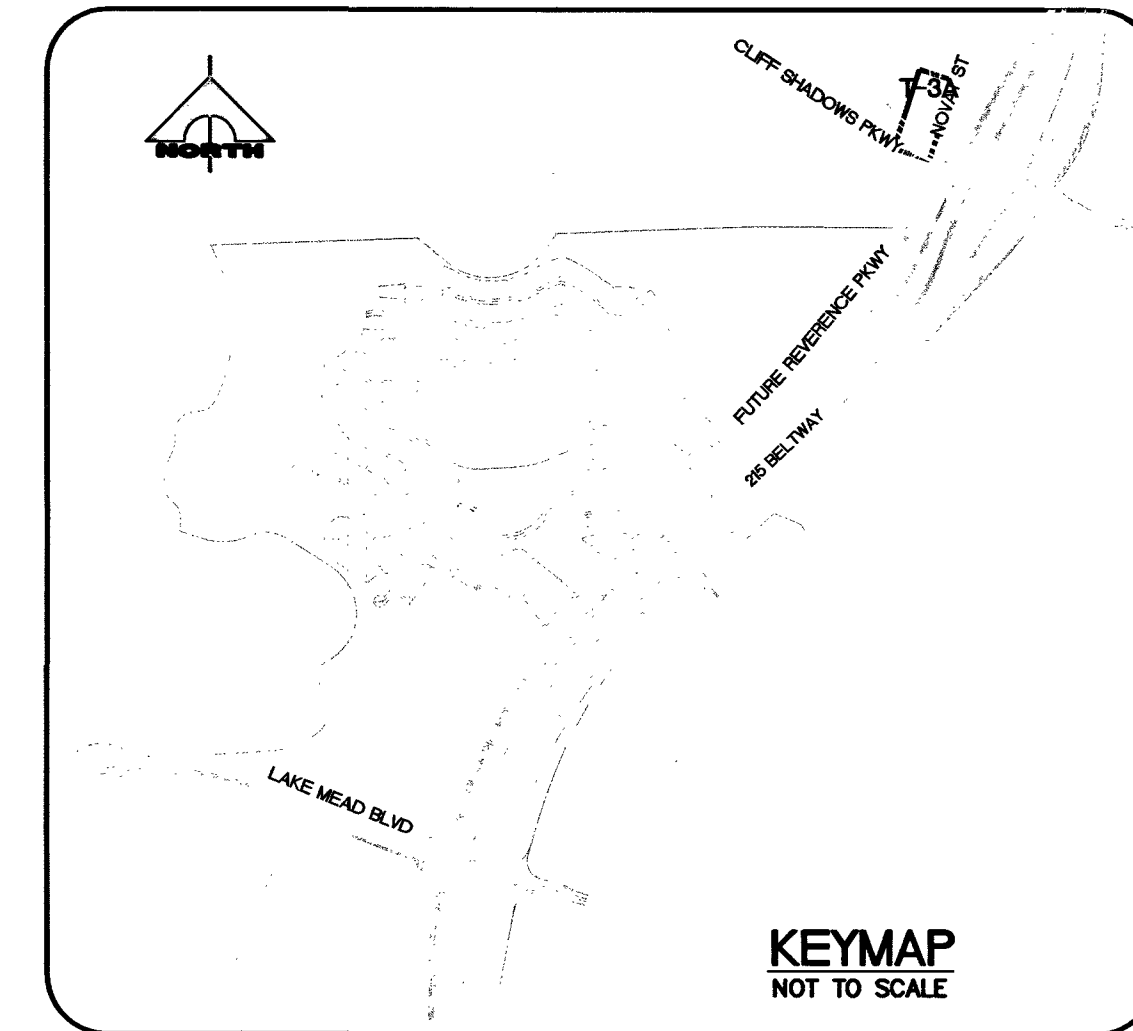
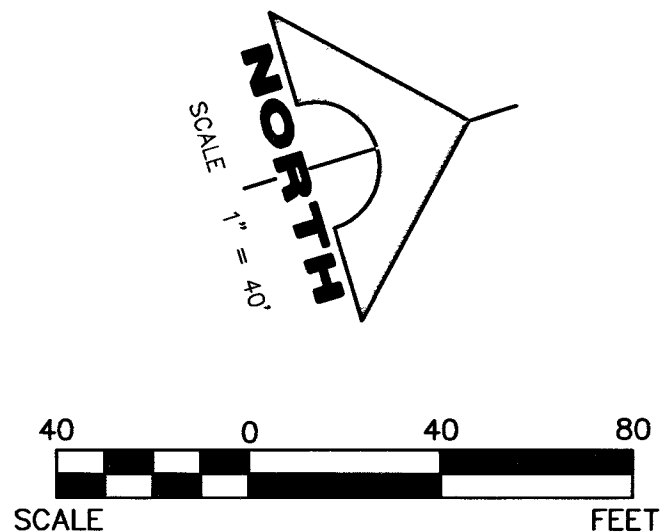
STREETLIGHT, TRAFFIC, AND SIGNAGE PLAN

REFERENCE (VILLAGE 26)

DRAWING

22 T-2A

21A OF 26 SHTS



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
NAV88 DATUM: 983.659 METERS (3227.22 FEET)
RIVET & PLATE IN HEAD WALL WEST OF CC215 4'-250' NORTH OF LAKE MEAD.
TO OBTAIN SUMMERLIN VILLAGE 26 - REFERENCE PROJECT MODIFIED DATUM ADD 0.42
FEET TO NAV88 DATUM.

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 IN FILE 112, PAGE 94 OF PARCEL MAPS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

	9" STREET NAME SIGN (D-3, 2 PER POLE)		STREET LIGHT
	STOP SIGN W/ POST (30" RT-1)		150W HP STREET LIGHT
	TRAFFIC SIGN (AS INDICATED)		#3 1/2 PULL BOX
	SIGHT VISIBILITY ZONE		150 AMP PAD MOUNT
	NO IMPROVEMENTS OVER 24"		SERVICE PEDESTAL
	NO LIGHT, EXCEPT TRAFFIC CONTROL DEVICES		1 1/4" CONDUIT
	REMOVE CONFLICTING STRIPING		2" CONDUIT

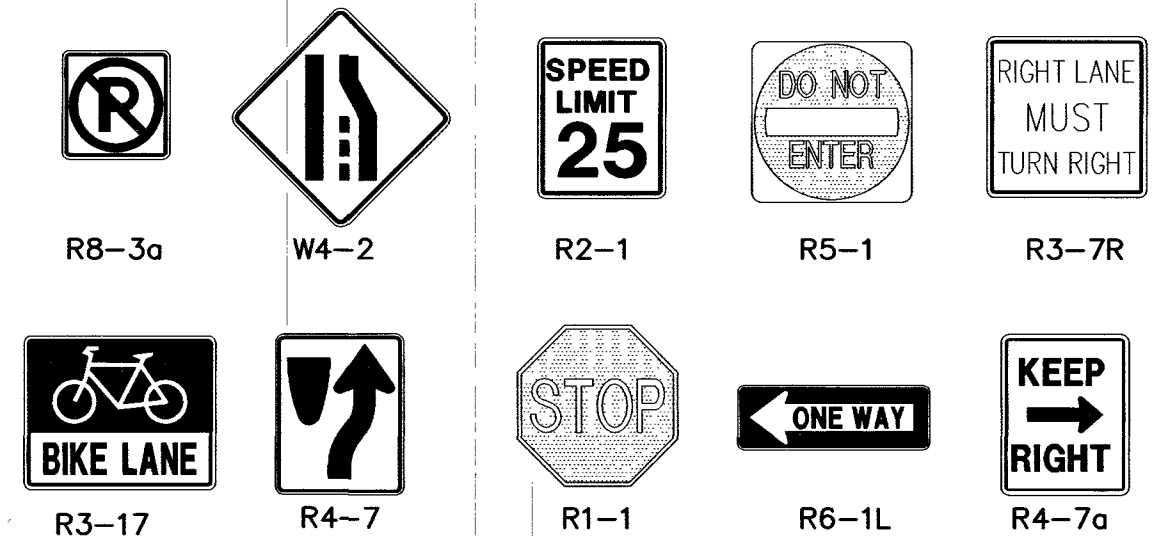
- 1) OBLITERATE STRIPING IN CONFLICT WITH PROPOSED.
- 2) INSTALL BIKE LANE LEGEND PER U.S.D.C.C.A. NO. 244.9. (TYP-2 PPM)
- 3) INSTALL TURN LANE LEGENDS PER U.S.D.C.C.A. NOS. 246 AND 246.6. (TYP-2 PPM)
- 4) INSTALL THRU LANE ARROW. (TYP-2 PPM)
- 5) INSTALL STORAGE LANE LINE (RPM) PER U.S.D.C.C.A. NO. 244.1.
- 6) INSTALL LEFT LANE MUST TURN LEFT (R3-7L)
- 7) EXISTING TO REMAIN
- 8) INSTALL DROP LINE PATTERN PER 246.6. (RPM)
- 9) INSTALL 6" SOLID WHITE LINE. (PPM)
- 10) INSTALL 6"x2" SKIP LINE PER 246.3. (PPM)
- 11) INSTALL 8" STORAGE LANE LINE. (PPM)
- 12) INSTALL TRANSITION SECTION PER 245. (RPM & TYP-1 PPM)
- 13) REMOVE SIGN.



AVOID HITTING OVERHEAD
POWER LINES. IT'S COSTLY.

**CALL BEFORE
YOU DO
OVERHEAD**

1-702-227-2929



23 **T-3**
22 OF 26 SHTS

STREET NAME SIGNS

POLE	TYPE	SIGN LEGEND
(B)	DOUBLE FACE	12B
(C)	WEST FACE	12B
(C)	EAST FACE	12B

8' NOMINAL

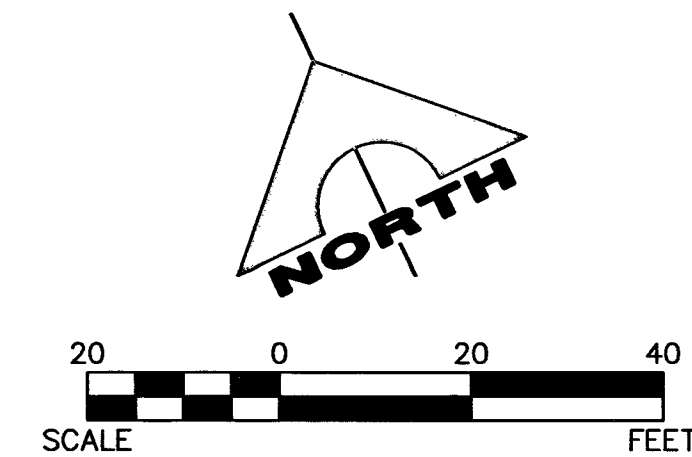
W Cliff Shadows PKWY 10400

N Reverence PKWY 3200

N ← Reverence PKWY 3200

NOTES

- CONTRACTOR TO VERIFY STREET NAME, SUFFIX, DIRECTION, AND BLOCK NUMBER WITH CLV PLANNING DEPARTMENT PRIOR TO ORDERING SIGNS.
- DIRECTION, BLOCK NUMBER, SUFFIX: 5" HWY "C"
- STREET NAME: 12" UPPER AND 9" LOWER CASE HWY "D", "C" OR "B" ONLY IF NECESSARY
- BORDER REQUIRED: 3M GREEN ON WHITE DIAMOND GRADE SHEETING
- POWER ILLUMINATED SIGN WITH LUMINAIRE DIRECTLY ABOVE TRAFFIC SIGNAL MAST ARM



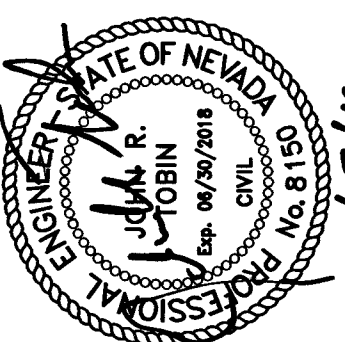
YIELD
ON FLASHING
YELLOW
ARROW

R10-12F
30" X 36"

- CONSTRUCTION NOTES
- INSTALL PULLBOX (SIZE AS SHOWN)
 - REMOVE AND REPLACE PULLBOX AT NEW LOCATION AS NEEDED FOR NEW CURB RETURN AND SIDEWALK. EXTEND AND/OR LOWER CONDUIT TO NEW PB LOCATION (SIZE AS SHOWN)
 - CONNECT EXISTING LOOP LEAD-IN CABLE FOR DETECTORS 2D AND 2E
 - CHANGE EXISTING DETECTORS 2A, 2B, AND 2C TO 5A, 5B, AND 5C

- TRAFFIC NOTES
- CONDUIT ROUTING IS SCHEMATIC FOR PLAN CLARITY AND MAY DIFFER FROM ACTUAL INSTALLATION
 - CONTRACTOR IS TO MAINTAIN AND KEEP OPERATIONAL ALL EXISTING ITS INFRASTRUCTURE WITHIN THE CONSTRUCTION LIMITS. IF ANY EXISTING ITS INFRASTRUCTURE IS DAMAGED DUE TO CONSTRUCTION MR. JESUS "CHUY" MARMOLEJO (RTC/EAST MANAGER TRAFFIC SYSTEMS MAINTENANCE) AT 702-604-7078 CELL OR AT 702-432-5300 GENERAL. THE PROJECT LIMITS, CONTRACTOR SHALL CONTACT JESUS "CHUY" MARMOLEJO TWO WEEKS IN ADVANCE FOR SYSTEM SHUTDOWN COORDINATION.

- NOTES
- MINIMUM 12-INCH OF VERTICAL CLEARANCE REQUIRED BETWEEN WATER MAINS AND DRY UTILITIES AND 6-INCH VERTICAL CLEARANCE BETWEEN WATER LATERALS AND DRY UTILITIES PER UDACS SECTION 2.04.06.
 - MINIMUM 3-FT OF HORIZONTAL CLEARANCE REQUIRED BETWEEN WATER MAINS AND DRY UTILITIES PER UDACS SECTION 2.04.02.

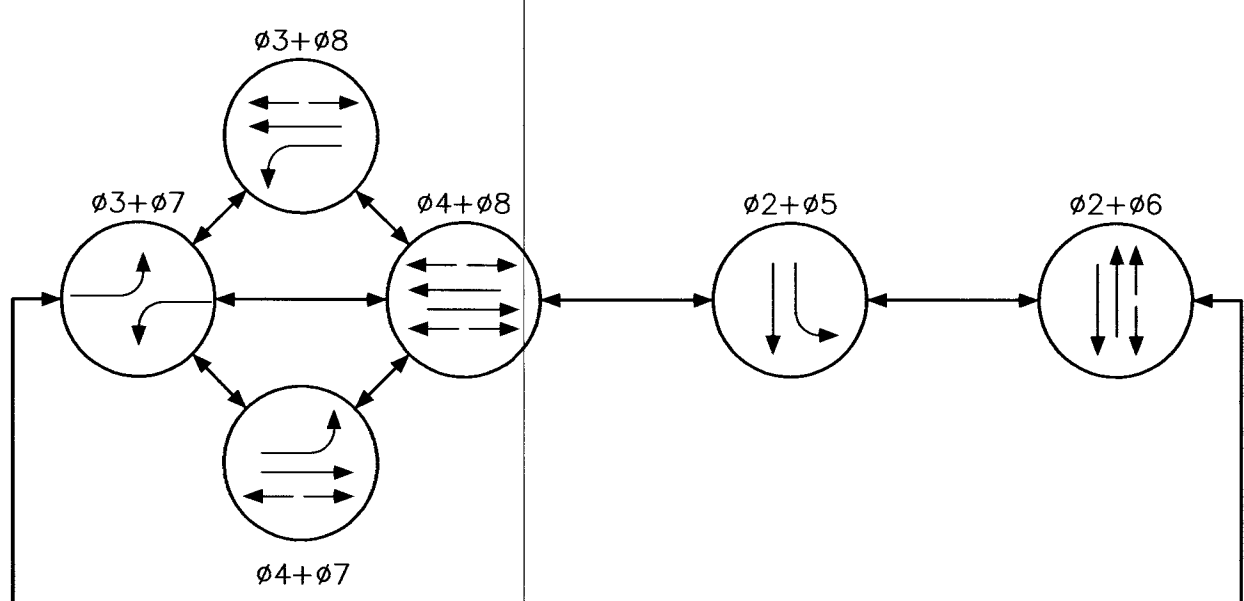
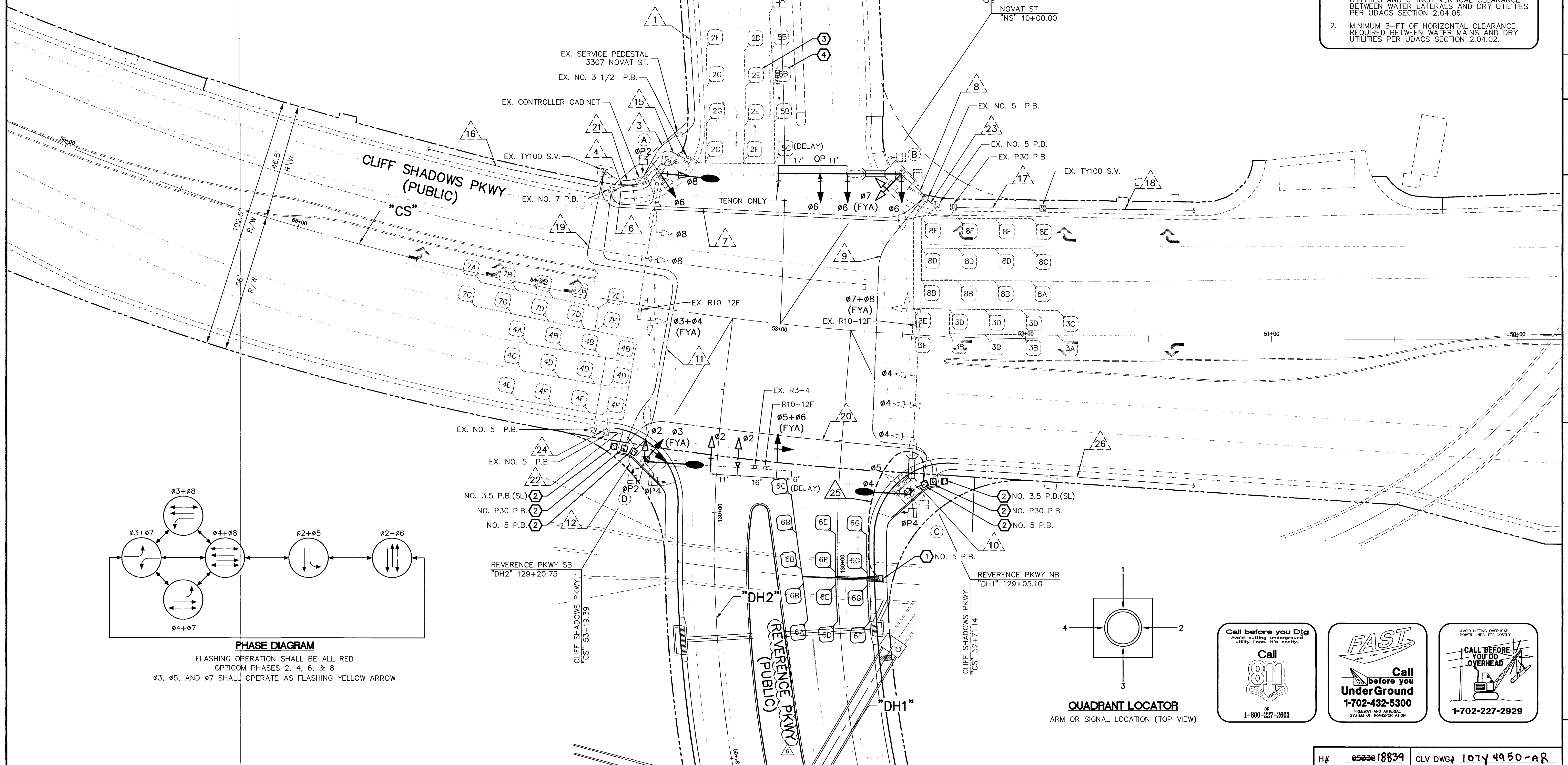


REV	DATE	DESCRIPTION
1	10/13/16	ISSUED FOR PERMIT

PROJECT NO.	764-204-018
DESIGN	JRT
DRAWN	TJC
CHECK	WLF
PLOT DATE	10-12-16
PLOT TIME	16:13:17

GCV
ENGINEERS & SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcvengineering.com

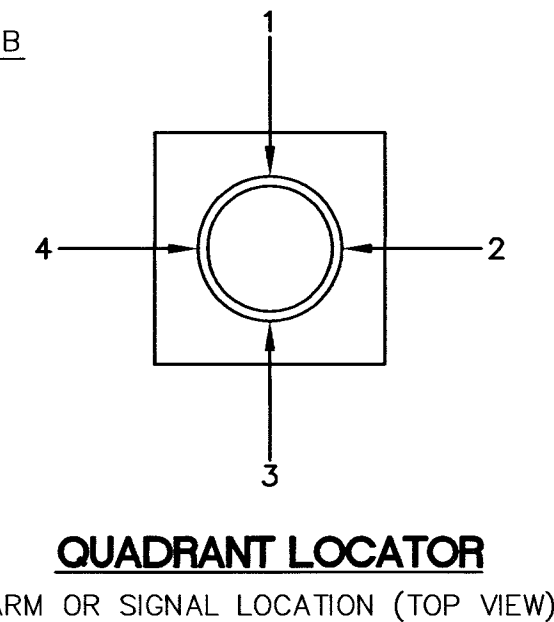
DESERT HOPE DRIVE - ACCESS ROAD - (NVA REVERSE PKWY)
REVERENCE (VILLAGE 26)
PULTE HOMES
TRAFFIC SIGNAL MODIFICATION PLAN
DRAWING
24 T-3A
22A OF 26 SHTS

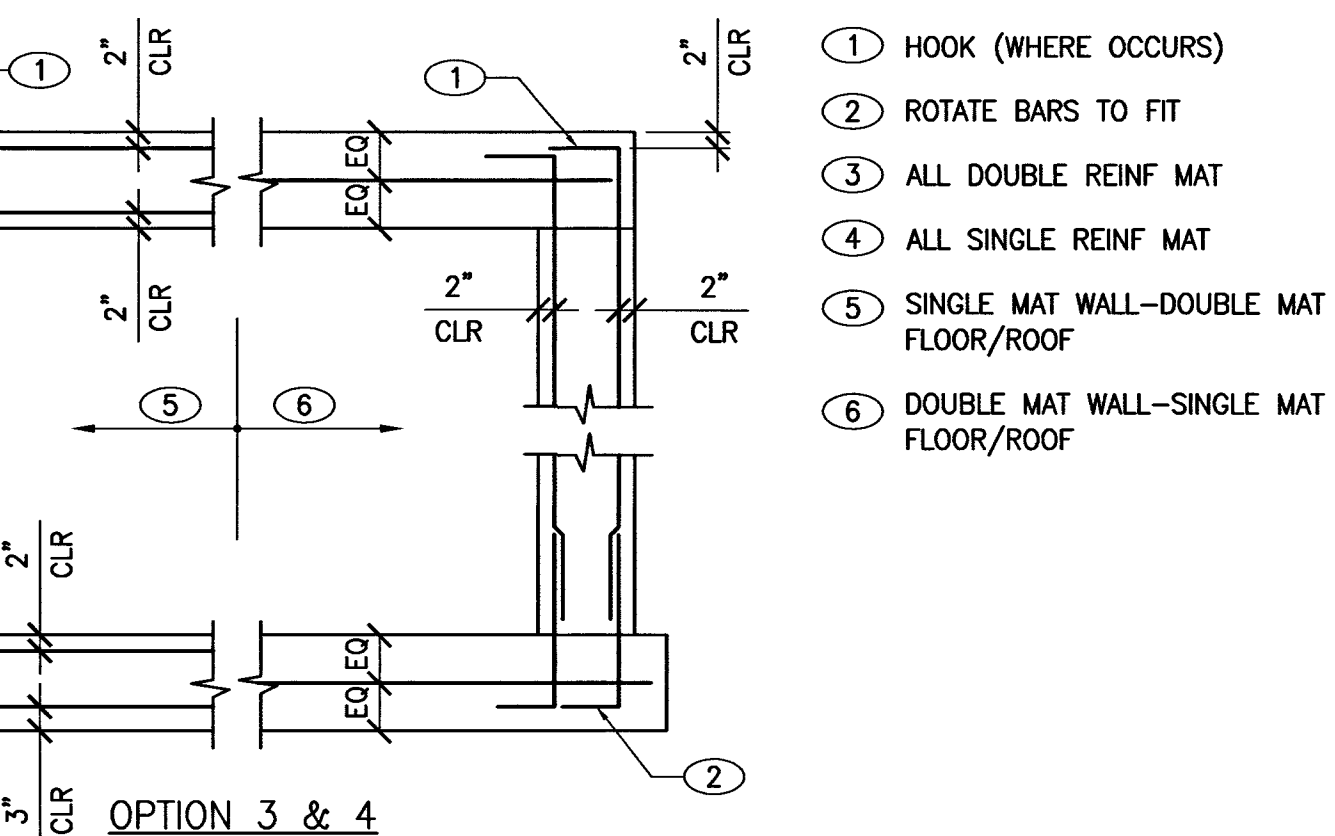
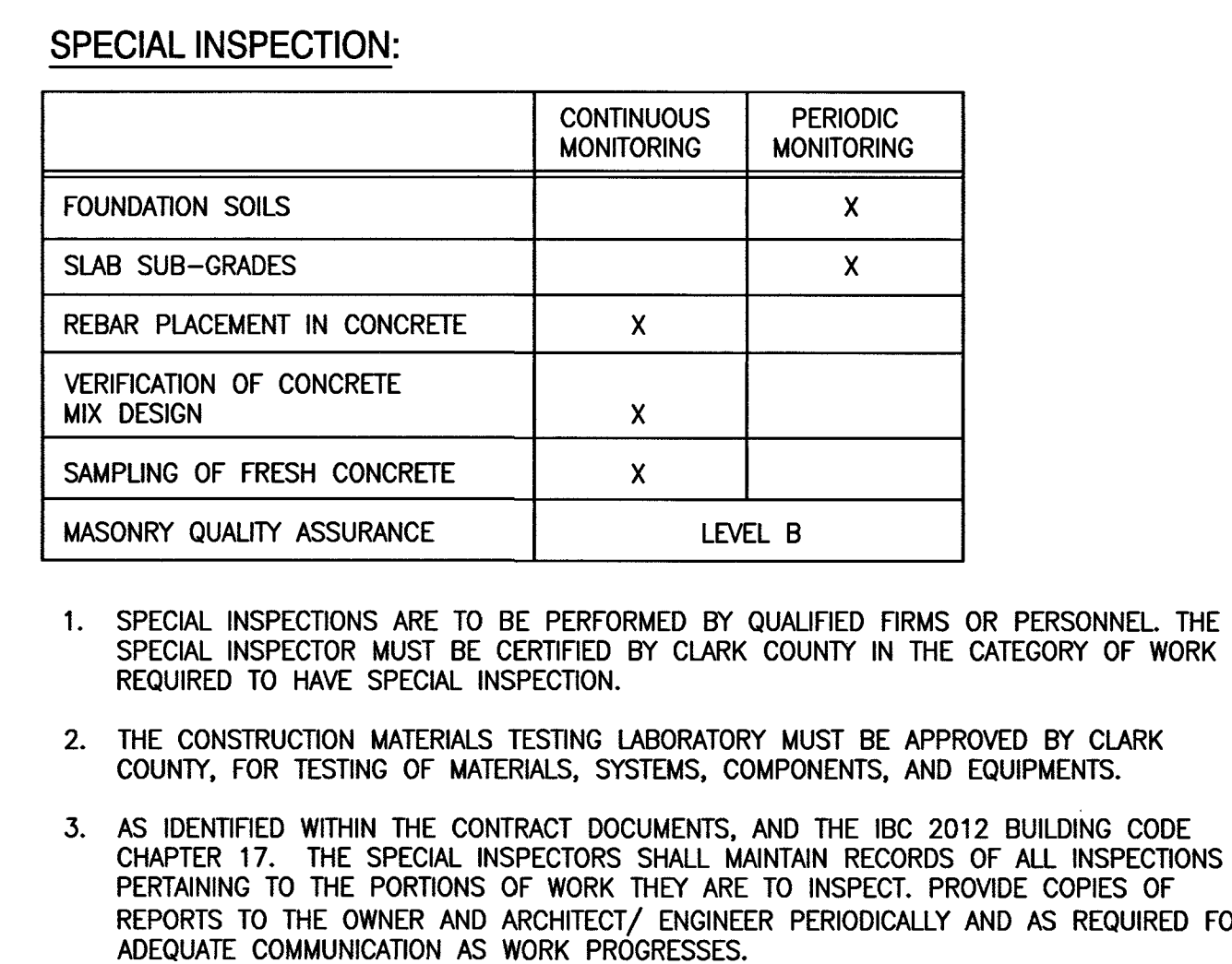
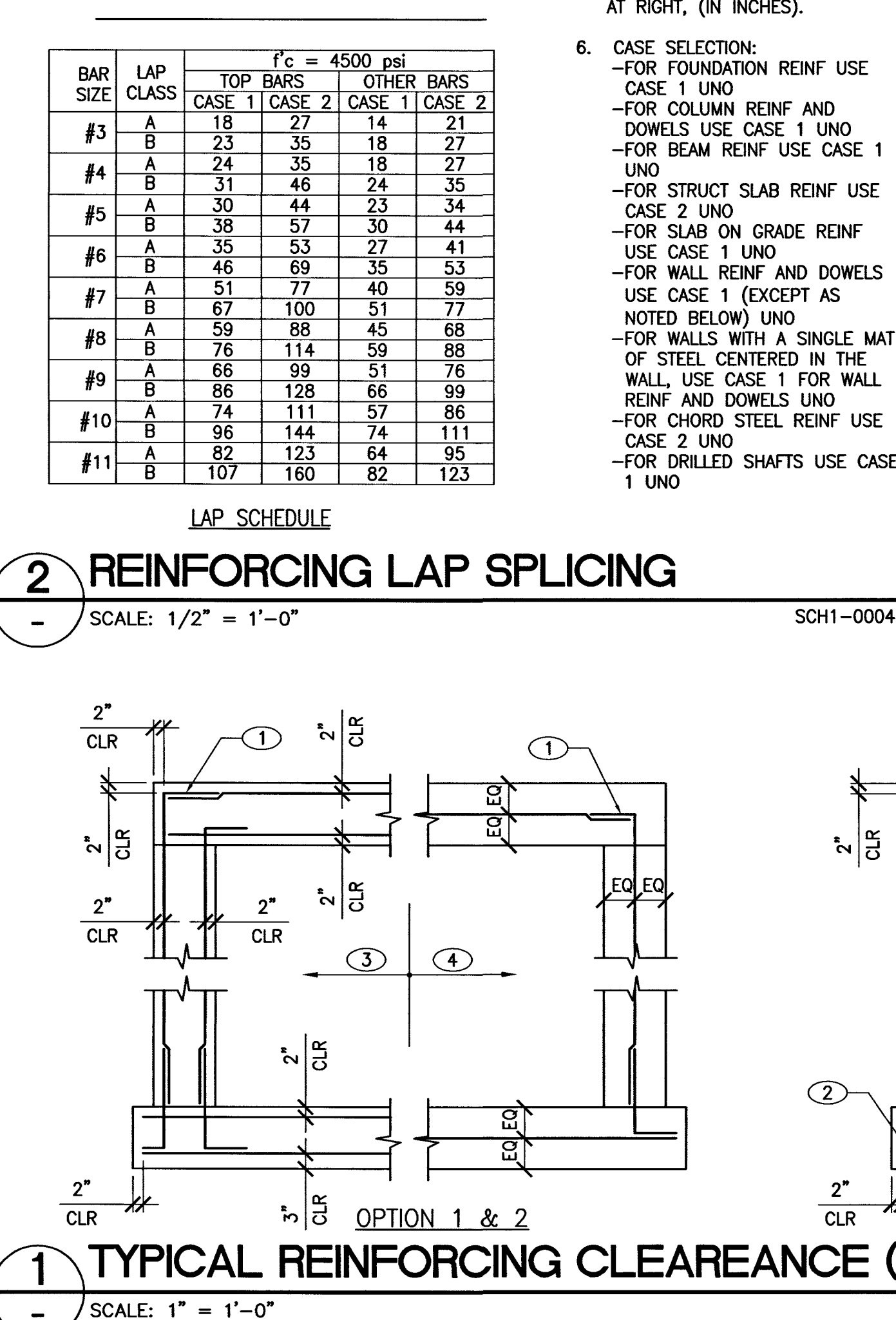
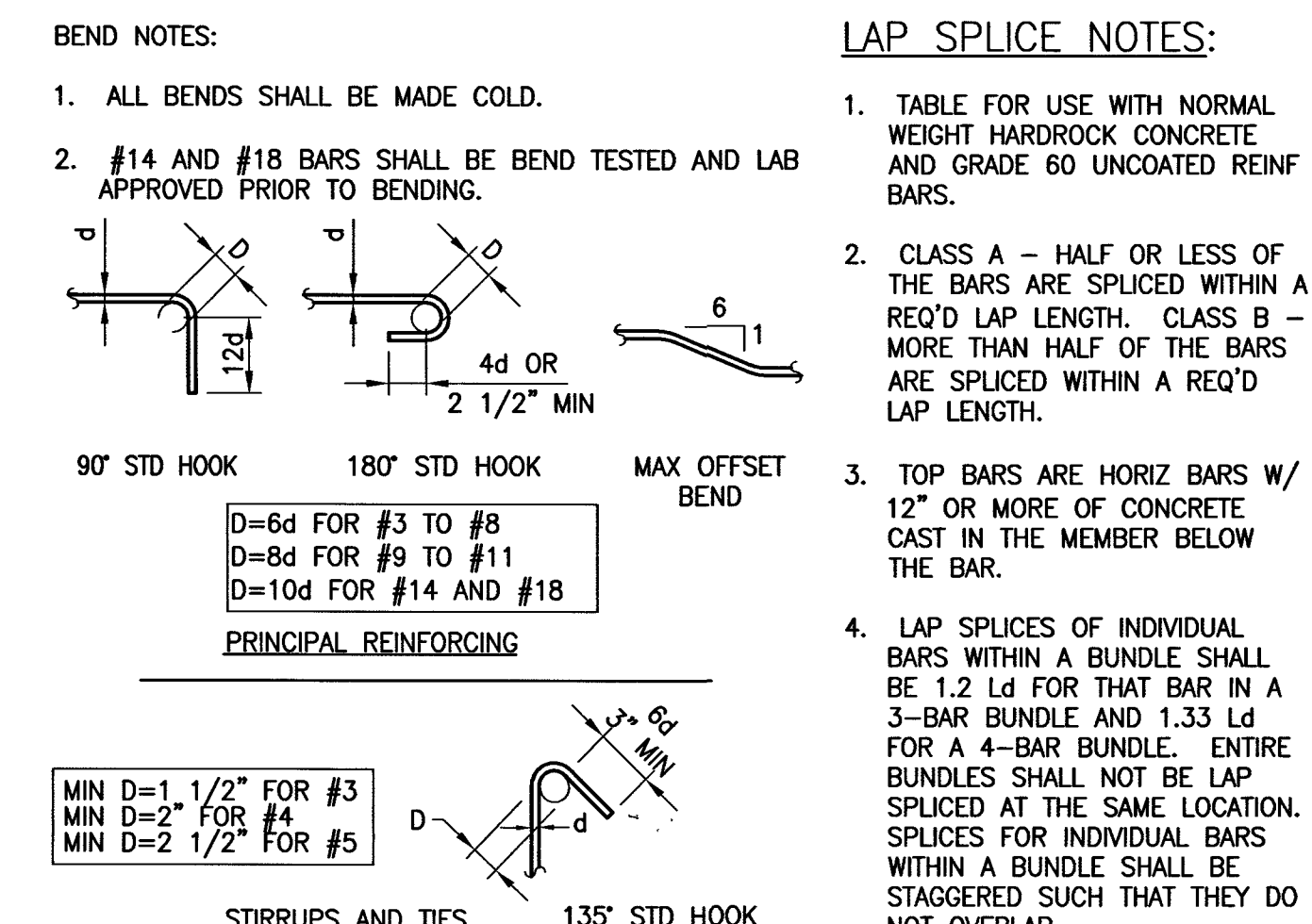
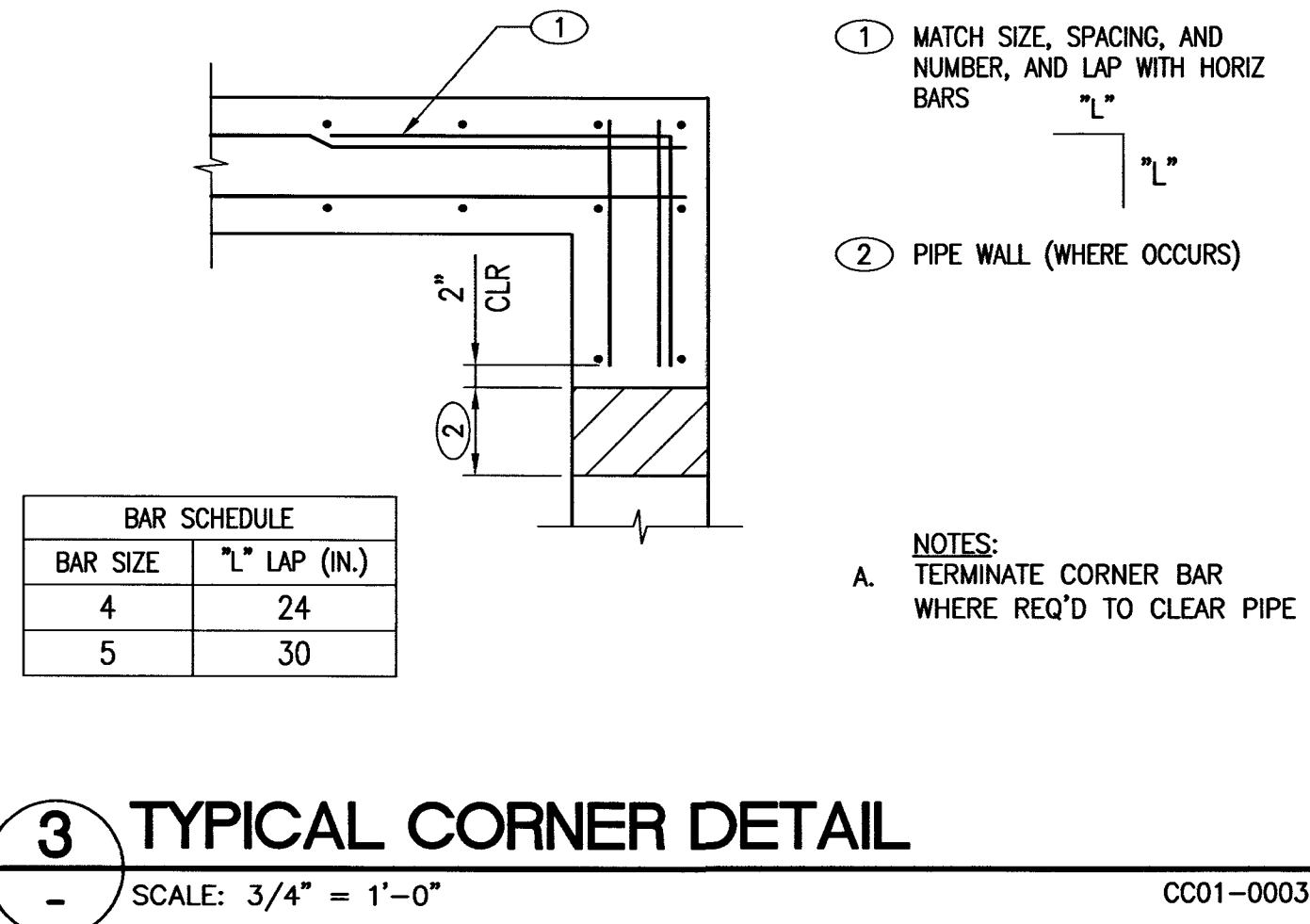


PHASE DIAGRAM

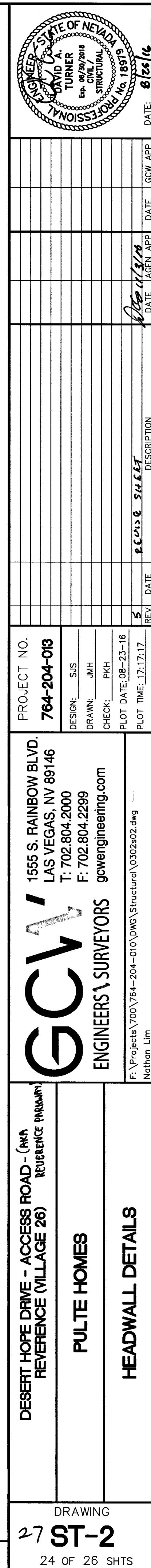
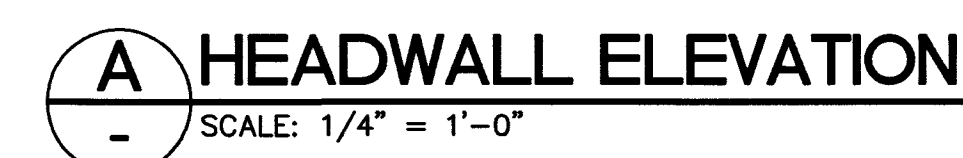
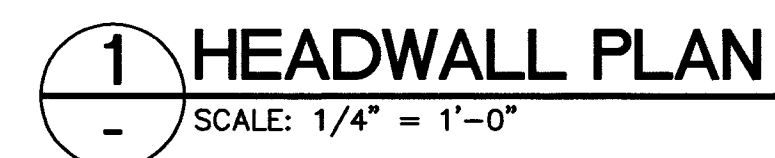
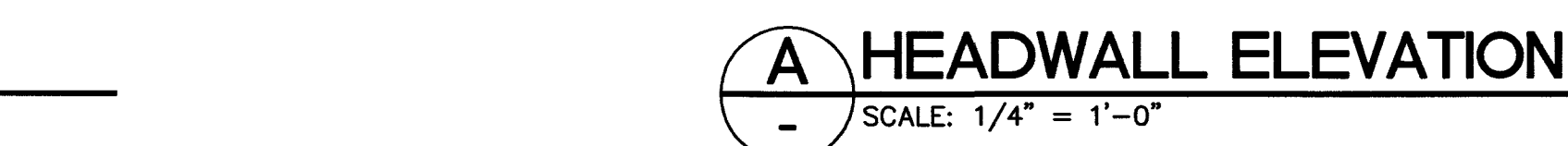
FLASHING OPERATION SHALL BE ALL RED OPTICOM PHASES 2, 4, 6, & 8

03, 05, AND 07 SHALL OPERATE AS FLASHING YELLOW ARROW

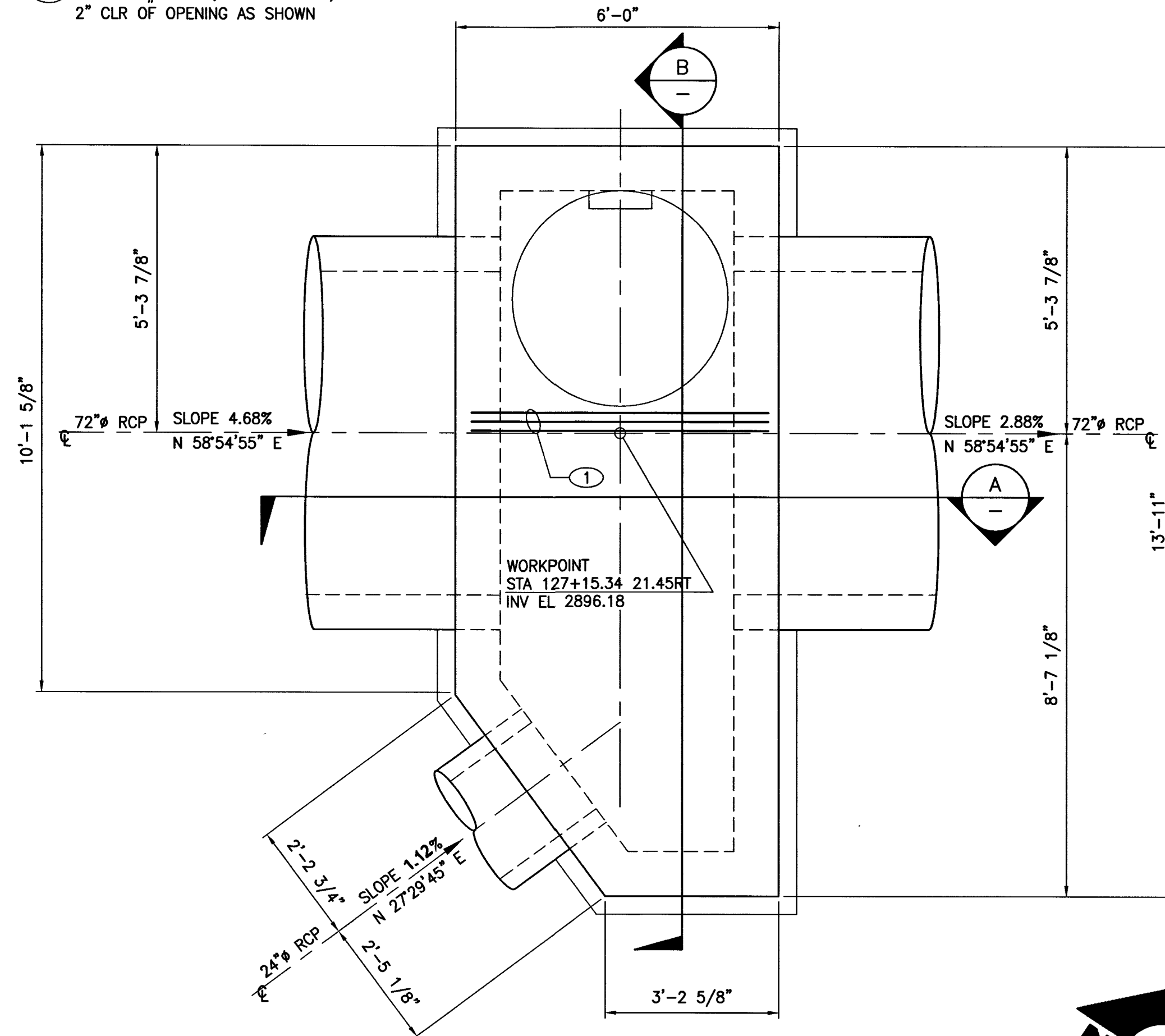




INVERTS, SLOPES, BEARINGS, ALIGNMENTS, FINISH
GRADE, ELEVATIONS AND WORKPOINTS SHOWN ARE
"REFERENCE ONLY". PLANS AND PROFILES ON CIVIL
DRAWINGS SHALL GOVERN.



1 ADD'L 3-#5 BARS, TOP AND BOT,
2" CLR OF OPENING AS SHOWN



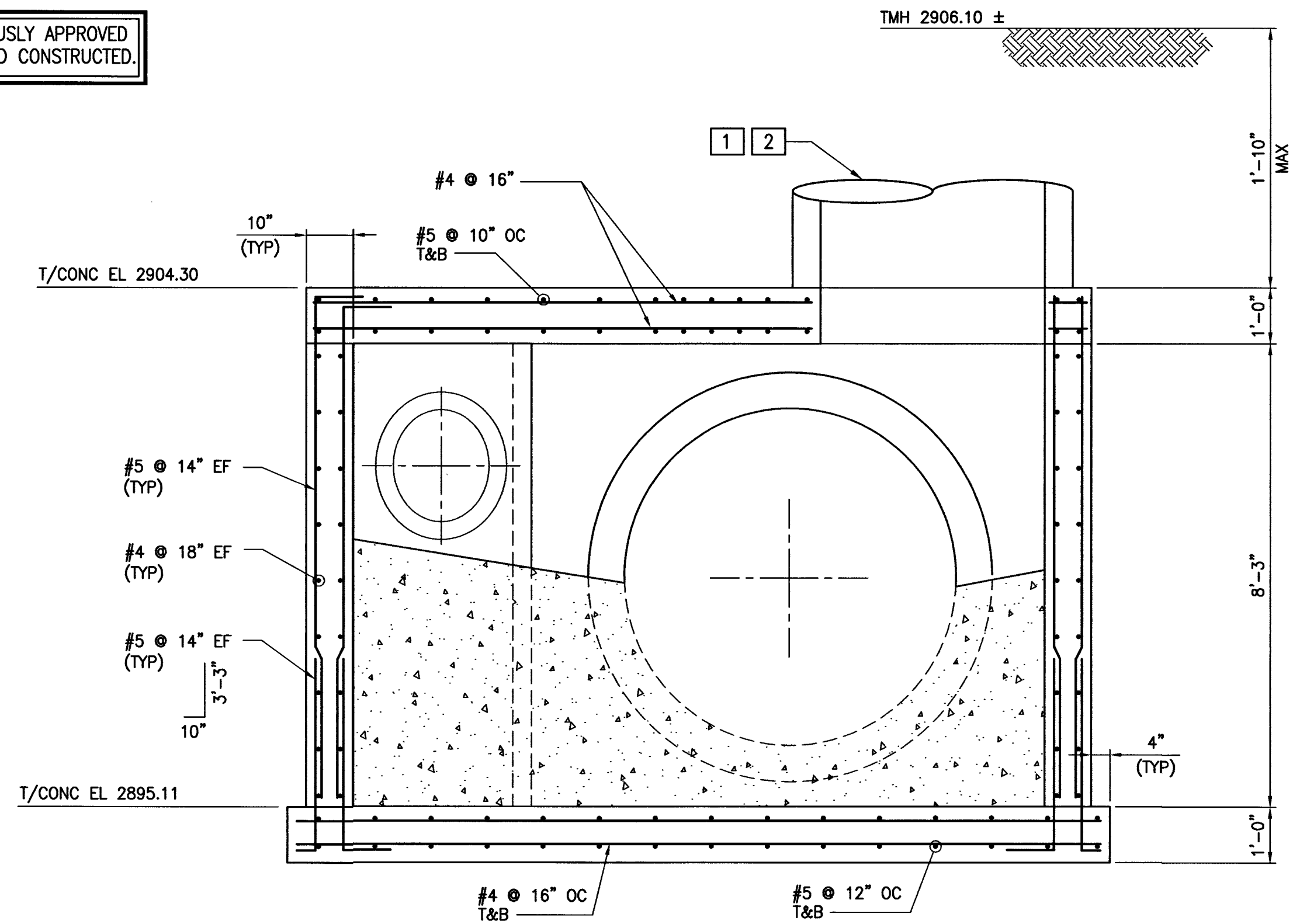
1 ROOF PLAN - SDM#3

SCALE: 1/2" = 1'-0"

SEE SHEET ST-1 FOR GENERAL
STRUCTURAL NOTES AND TYPICAL DETAILS.

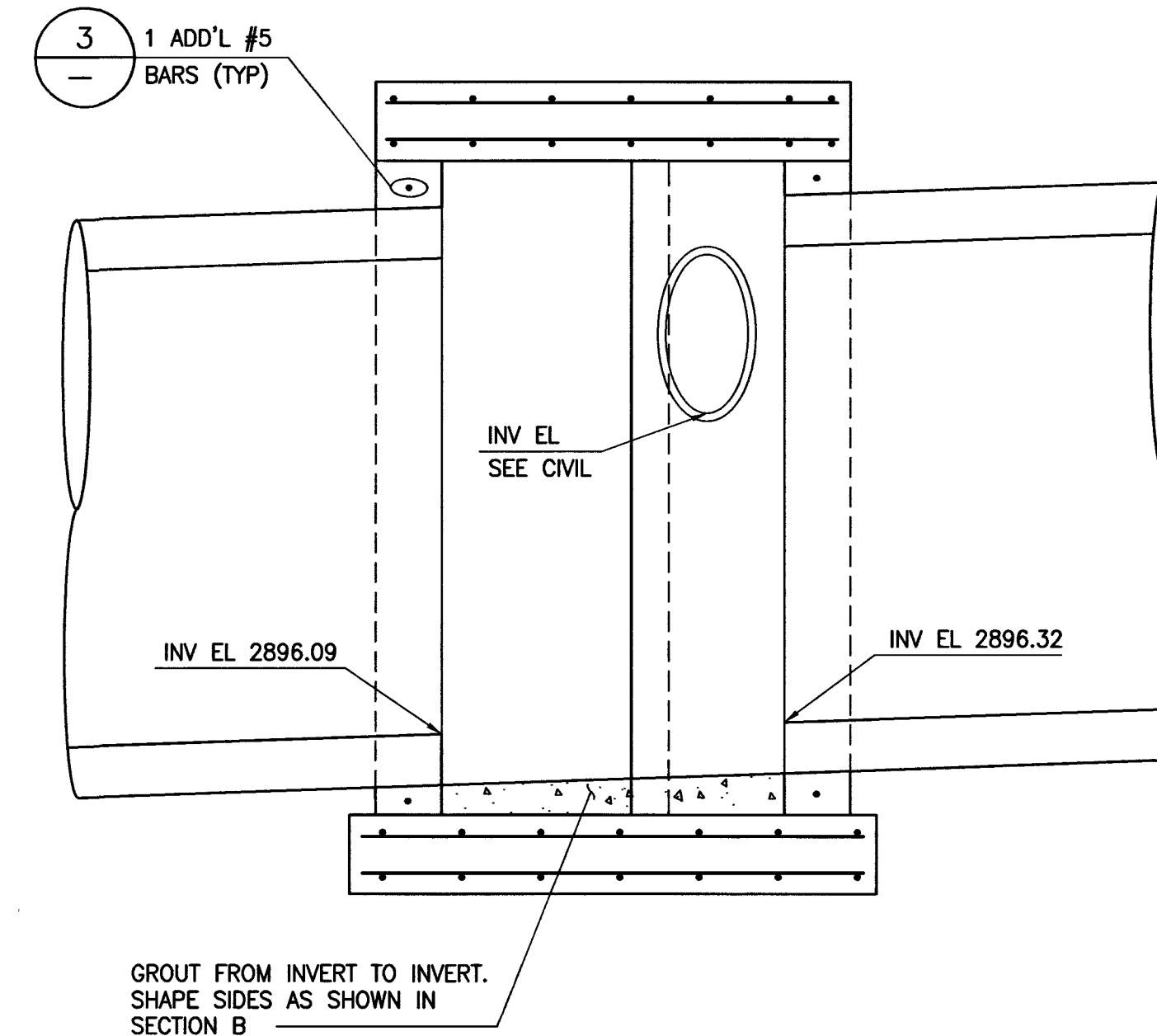
INVERTS, SLOPES, BEARINGS, ALIGNMENTS, FINISH GRADE,
MANHOLE RIM ELEVATIONS AND WORKPOINTS SHOWN FOR
RCP AND RCB ARE "REFERENCE ONLY". PLANS AND
PROFILES ON CIVIL DRAWINGS SHALL GOVERN.

STRUCTURE WAS PREVIOUSLY APPROVED
BY CITY OF LAS VEGAS AND CONSTRUCTED.



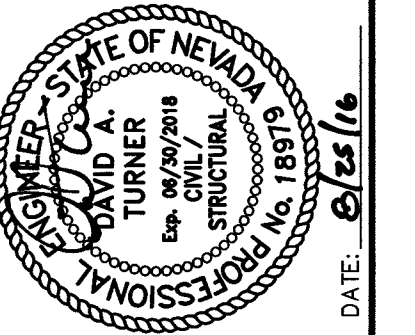
B SECTION

SCALE: 1/2" = 1'-0"



A SECTION

SCALE: 1/2" = 1'-0"



REV	DATE	DESCRIPTION	DATE	GCW APP	DATE
1	04/13/16	REUSE SHEET			
2					
3					
4					
5					

PROJECT NO.	764-204-013
DESIGN	SJS
DRAWN	JMH
CHECK	PKH
PLOT DATE	08-23-16
PLOT TIME	17:18:01

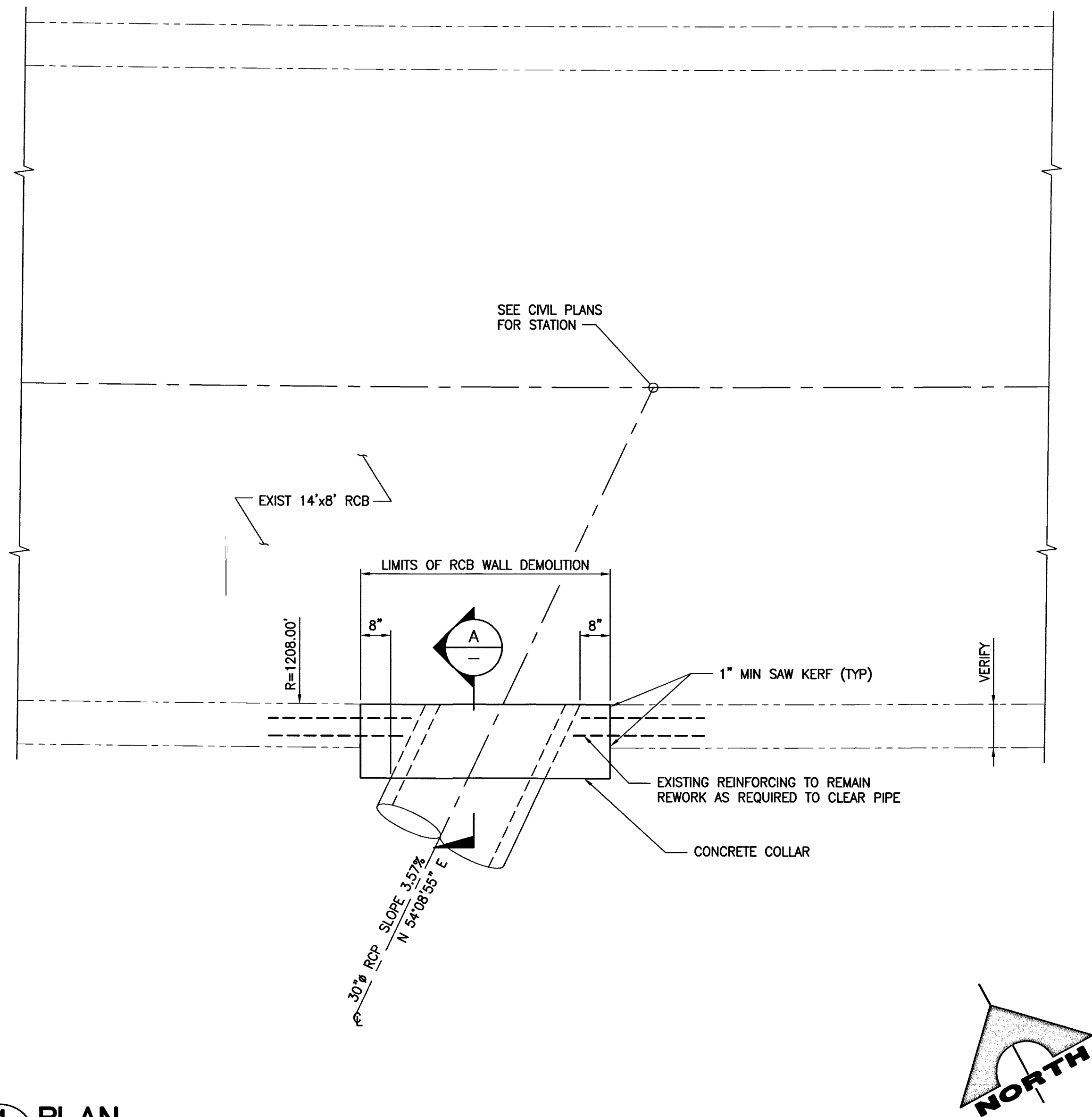
GCV
ENGINEERS & SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcvengineering.com

DESERT HOPE DRIVE - ACCESS ROAD - (AKA)
REFERENCE (VILLAGE 26)
PULTE HOMES
SDM#3

DRAWING
28 ST-3
25 OF 26 SHTS

H# 06336 18839 CLV DWG# 107Y4950-AR

1 PLAN
SCALE: 1/2" = 1'-0"

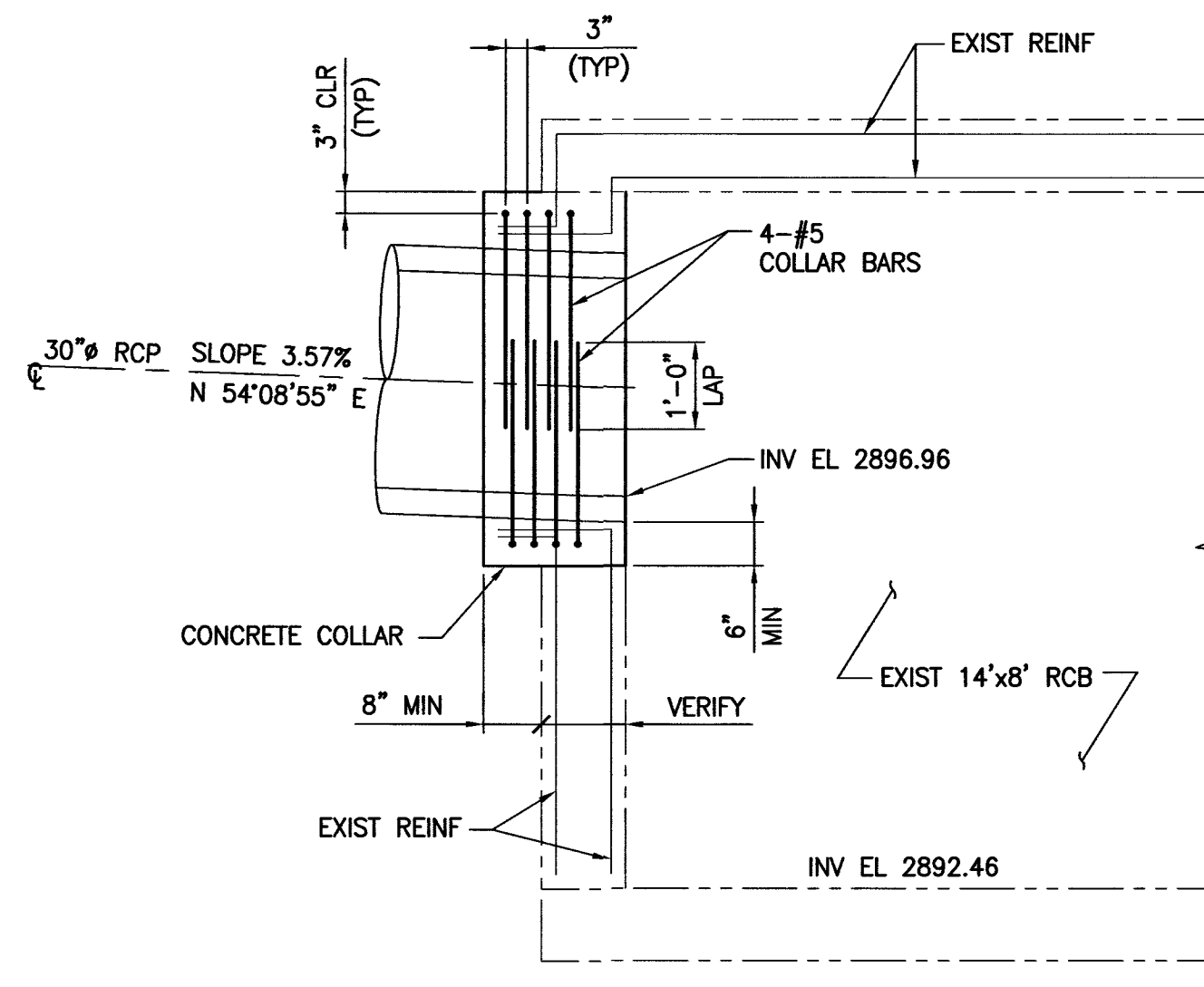


SEE SHEET ST-1 FOR GENERAL
STRUCTURAL NOTES AND TYPICAL DETAILS.

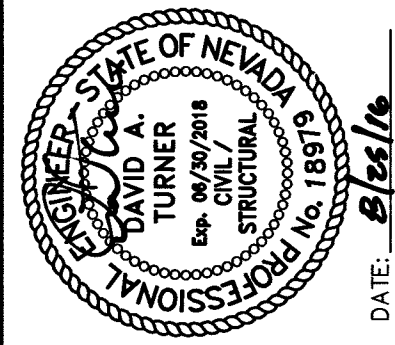
INVERTS, SLOPES, BEARINGS, ALIGNMENTS, FINISH GRADE
ARE "REFERENCE ONLY". PLANS AND PROFILES ON CIVIL
DRAWINGS SHALL GOVERN.

STRUCTURE WAS PREVIOUSLY APPROVED
BY CITY OF LAS VEGAS AND CONSTRUCTED.

A SECTION
SCALE: 1/2" = 1'-0"



- NOTES:
- CUT EXISTING 14'x8' RCB AS SHOWN. TAKE CARE NOT TO DAMAGE EXISTING REINFORCING.
 - FIELD CUT EXISTING REINFORCING AND BEND TO CLEAR RCP AS SHOWN. PROVIDE 2" COVER AT ALL REINFORCING UNLESS SHOWN OTHERWISE.
 - INSERT PIPE INTO HOLE AND TRIM FLUSH WITH INSIDE FACE OF RCB.
 - INSTALL #5 COLLAR BARS AS SHOWN.
 - POUR CONCRETE COLLAR.



REV	DATE	DESCRIPTION	BY	CHK	APP
1	08/23/16	ISSUED FOR PERMIT	DA	DA	DA
2	08/23/16	REVISED	DA	DA	DA
3	08/23/16	REVISED	DA	DA	DA
4	08/23/16	REVISED	DA	DA	DA
5	08/23/16	REVISED	DA	DA	DA

PROJECT NO.	764-204-03
DESIGN	SJS
DRAWN	JMH
CHECK	PKH
PLOT DATE	08-23-16
PLOT TIME	17:18:46

GCV
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F: 702.804.2299
gcwengineering.com

DESERT HOPE DRIVE - ACCESS ROAD - (AKA
REFERENCE VILLAGE 26) REFERENCE IN PLAN

PULTE HOMES

COLLAR DETAIL

DRAWING
29 ST-4
26 OF 26 SHTS