

IMPROVEMENT PLANS FOR SHEPHERD OF THE HILLS CHURCH CLARK COUNTY, NEVADA APN: 125-20-401-003 & 005 MSM-0001-17

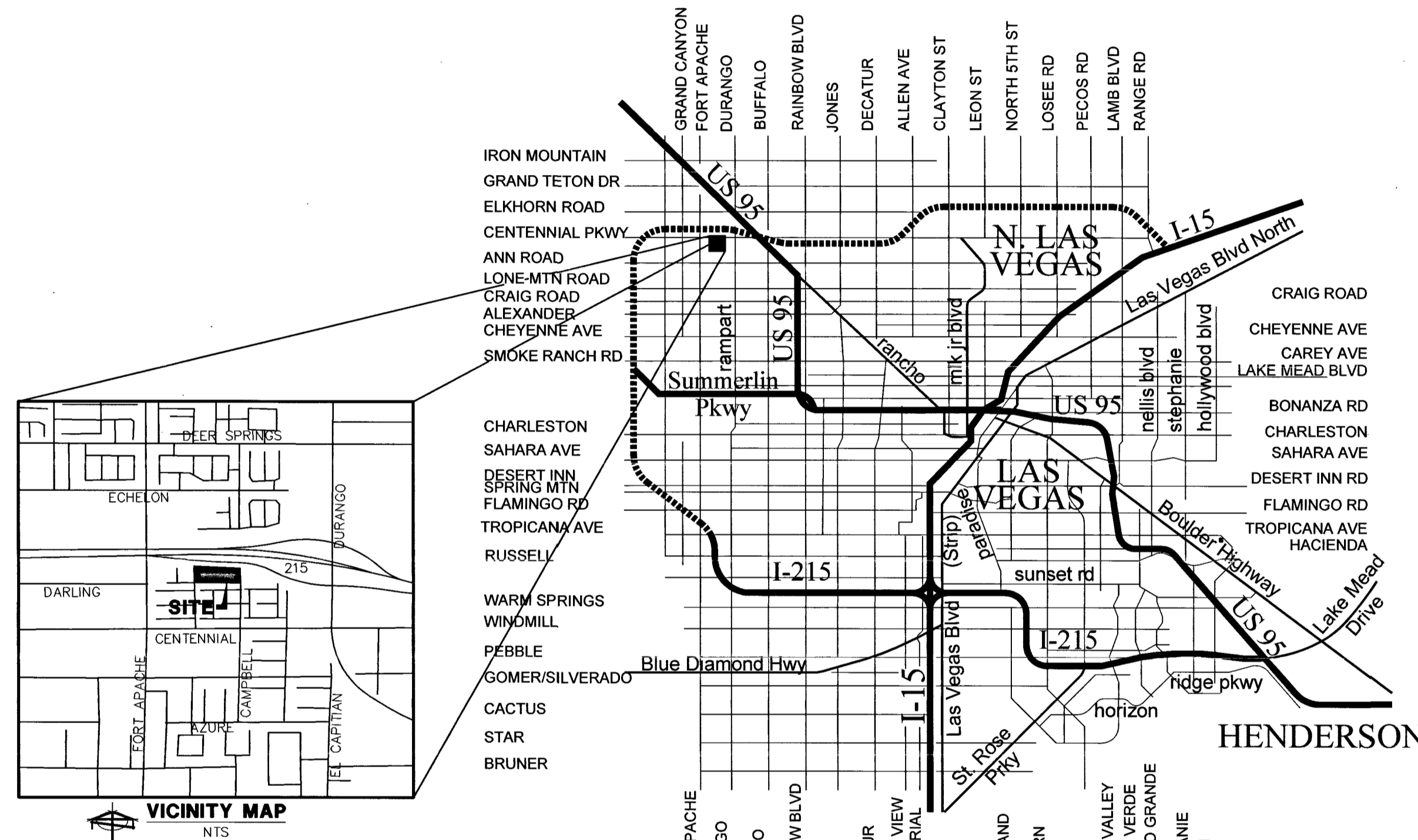
#	CONSTRUCTION NOTES ITEM	QUANTITIES		
		UNIT	PUBLIC	PRIVATE
1	INSTALL "A" TYPE ISLAND CURB PER CCAUSD #219	LF	-	979
2	INSTALL 2' "L" TYPE CURB PER CCAUSD #216	LF	386	567
3	INSTALL 8" CROSS GUTTER PER CCAUSD #228	SF	256	-
4	INSTALL 2" ASPHALTIC CONCRETE ON 4" TYPE II AGGREGATE BASE	SY	-	4,795
5	INSTALL 2" CURB CUT PER DETAIL #1 SHEET DT01	EA	-	5
6	MATCH EXISTING ELEVATION.	SF	-	-
7	INSTALL SIDEWALK PER CCAUSD #234	SF	2,242	-
8	INSTALL TRASH ENCLOSURE SEE ARCHITECTURAL PLANS	EA	-	1
9	INSTALL COMMERCIAL DRIVEWAY PER CCAUSD #221.1	SF	628	-
10	INSTALL SIDEWALK UNDER DRAIN PER USDOCA DWG. #236	EA	2	-
11	INSTALL 3" ASPHALTIC CONCRETE ON 6" TYPE II AGGREGATE BASE	SY	1,440	-
12	INSTALL HANDICAP RAMP PER CCAUSD #235 CASE 1 USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT	EA	1	-

#	SEWER CONSTRUCTION NOTES ITEM	QUANTITY		
		UNIT	PUBLIC	PRIVATE
1	INSTALL LATERAL PER DCSWCS 3.17 AND SD 22	EA	-	1
2	INSTALL 6" PVC (C-900) SEWER PIPE PER DCSWCS SD-17, SD-22, SD-25	LF	-	75
3	INSTALL 6" CLEANOUT PER DCSWCS SD-26	EA	-	1

#	WATER CONSTRUCTION NOTES ITEM	QUANTITIES		
		UNIT	PUBLIC	PRIVATE
1	INSTALL 6"x8" TAPPING SLEEVE W/8" TAPPING VALVE REF. UDACS SECTION 2.24.01.A	EA	1	-
2	INSTALL 8" PVC (C-900) CLASS 150 WATER LINE	LF	4	-
3	INSTALL 10"x8" REDUCER PER UDACS PLATE #30	EA	-	1
4	INSTALL 10" PVC (C-900) CLASS 150 WATER LINE	LF	-	57
5	INSTALL 8" RPPA PER PLATE #56 (PUBLIC)	EA	1	-
6	INSTALL 10" GATE VALVE PER UDACS PLATE #39 & 30	EA	-	1
7	INSTALL 10"x10" TEE WITH THRUST BLOCK PER UDACS PLATE #31	EA	-	1
8	INSTALL 10"x6" REDUCER PER UDACS PLATE #30	EA	-	2
9	INSTALL 6" GATE VALVE PER UDACS PLATE #39 & 30	EA	-	1
10	INSTALL 6" PVC (C-900) CLASS 150 WATER LINE	LF	-	224
11	INSTALL 6" 45° BEND PER UDACS PLATE #31	EA	-	2
12	INSTALL 22.5° BEND PER UDACS PLATE #31	EA	-	1
13	INSTALL 6" 90° BEND WITH THRUST BLOCK PER UDACS PLT. #31	EA	-	1
14	INSTALL 10" 90° BEND WITH THRUST BLOCK PER UDACS PLT. #31	EA	-	1
15	INSTALL HYDRANT ASSEMBLY W/ GATE VALVE PER UDACS PLATE #40	EA	-	1
16	INSTALL 1-1/2" COPPER TYPE "K" WATER LATERAL PER UDACS PLATE #4	LF	34	-
17	INSTALL 1-1/2" METER PER UDACS PLATE #4 (PUBLIC)	EA	1	-
18	INSTALL 1-1/2" RED BRASS LINE BETWEEN METER AND RPPA	LF	2	-
19	INSTALL 1-1/2" RPPA PER UDACS PLATE #8 (PUBLIC)	EA	1	-
20	INSTALL 1-1/2" PVC CLASS 150 WATER LINE (PRIVATE)	LF	-	43
21	INSTALL 8"x1-1/2" SERVICE SADDLE PER UDACS PLATE #4	EA	1	-

#	FIRE ACCESS NOTES ITEM	QUANTITIES		
		UNIT	PUBLIC	PRIVATE
1	INSTALL BLUE REFLECTIVE PAVEMENT MARKER AT EACH FIRE HYDRANT TO IDENTIFY LOCATIONS	EA	-	1
2	INSTALL FIRE LANE SIGN R8-31 (12"x18")	EA	-	8
3	PAINT CURB FIRE LANE RED W/WHITE LETTERING "NO PARKING FIRE LANE"	LF	-	494
4	INSTALL "ADA PARKING ONLY" SIGN PER CCAUSD #249.1	EA	-	4
5	INSTALL ENTRANCE WARNING SIGN	EA	-	1

#	TRAFFIC CONSTRUCTION NOTES ITEM	QUANTITIES		
		UNIT	PUBLIC	PRIVATE
1	INSTALL R1-1 STOP SIGN AND POLE MOUNT (30"x30")	EA	-	1
2	INSTALL #3-1/2" PULLBOX PER CCAUSD #705	EA	1	-
3	INSTALL 1-1/4" PVC CONDUIT W/ (2)#4 AND (1)#8 CONDUCTORS	LF	162	-
4	INSTALL 100W HPS LUMINAIRES PER CCAUSD'S #314, #320 & #321	EA	1	-
5	INSTALL OM3-R OBJECT MARKER SIGN AND POLE MOUNT (12"x36") @ 25' O.C. TYP.	EA	5	-
6	INSTALL 12" SOLID WHITE STRIPE EDGE LINE	LF	105	-
7	INSTALL 6" SOLID WHITE STRIPE EDGE LINE	LF	119	-
8	INSTALL R8-86 NO PARKING BEYOND THIS POINT SIGN AND POLE MOUNT (18"x24")	EA	1	-
9	INSTALL 200 AMP SERVICE PEDESTAL PER CCAUSD 330, 331, 332.1 & 335.1	EA	1	-



OWNER

CHURCH SHEPHERD HILLS LUTHERAN
7501 TULE SPRINGS RD #150
LAS VEGAS, NV 89131

BENCHMARK

SLV802505W - BEING A RIVET & PLATE IN
CONCRETE ELECTRICAL PAD
+/- 130' NE OF CENTENNIAL PARKWAY
& FORT APACHE.

ELEVATION:
796.974 METERS 2614.74 FEET
NAVD 88 DATUM

BASIS OF BEARING

N 89°30'38" E - BEING THE SOUTH LINE THE
SOUTHWEST QUARTER OF SECTION 20, TOWNSHIP 19
SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS,
CLARK COUNTY NEVADA AS SHOWN IN FILE 89, PAGE
3 OF SURVEYS ON FILE AT THE CLARK COUNTY,
NEVADA RECORDS' OFFICE.

FLOOD ZONE

THE SUBJECT PROPERTY LIES WITHIN FLOOD ZONE "X",
BY THE SECRETARY OF HOUSING AND URBAN
DEVELOPMENT, ON FLOOD INSURANCE RATE MAP NO.
3200301745E WITH A DATE OF IDENTIFICATION OF
SEPTEMBER 27, 2002, FOR COMMUNITY NUMBER
325276, IN CLARK COUNTY, STATE OF NEVADA, WHICH
IS THE CURRENT FLOOD INSURANCE RATE MAP FOR
THE COMMUNITY IN WHICH SAID PROPERTY IS SITUATED.

LEGAL DESCRIPTION

PARCEL 1:

THE WEST HALF (W 1/2) OF THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M. D. M., CLARK COUNTY, NEVADA, EXCEPTING THEREFROM THAT PORTION CONVEYED TO THE COUNTY OF CLARK FOR LAS VEGAS BELTWAY BY DEDICATION RECORDED MARCH 23, 2004 IN BOOK 20040323 AS INSTRUMENT NUMBER 02092 OF OFFICIAL RECORDS. APN: 125-20-401-003

PARCEL 2:

THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B. & M., CLARK COUNTY, NEVADA, EXCEPTING THEREFROM THAT PORTION OF SAID LAND AS CONVEYED TO CLARK COUNTY BY DEED RECORDED OCTOBER 29, 1990 IN BOOK 901029 AS DOCUMENT NO. 00936, OFFICIAL RECORDS, FURTHER EXCEPTING THEREFROM THAT PORTION OF SAID LAND AS DEDICATED TO COUNTY OF CLARK BY A DEDICATION RECORDED MARCH 23, 2004 IN BOOK 20040323 AS DOCUMENT NO. 02092, IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA.

INDEX OF SHEETS

1	CV01	COVER SHEET
2	GN01	GENERAL NOTES
3	GP01	GRADING PLAN
4	DT01	DETAIL PLAN
5	PP01	PROFILE PLAN
6	PP02	PROFILE PLAN
7	MU01	MASTER UTILITY
8	UT01	UTILITY PLAN
9	UT02	UTILITY DETAILS 1
10	UT03	UTILITY DETAILS 2
11	UT04	UTILITY DETAILS 3
12	HC01	HORIZONTAL CONTROL & TRAFFIC PLAN

1. PRE-DEVELOPMENT MEETING WITH DEPARTMENT OF PUBLIC WORKS DEVELOPMENT REVIEW DIVISION, OFF-SITE INSPECTOR REQUIRED. CONTACT CIVIL ENGINEERING INSPECTOR AT (702)-455-4610.

APPROVALS

Allen Pavelka 7-18-17
ALLEN PAVELKA P.E. 09029
CITY OF LAS VEGAS CITY ENGINEER (SEWER ONLY)

APPROVAL OF THESE PLANS IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHT-OF-WAY AND/OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE THE CONSTRUCTION OF ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND/OR SPECIFICATIONS, EXCEPT THOSE SPECIFICALLY LISTED UNDER DEVIATIONS FROM STANDARD. THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN DEVIATIONS FROM STANDARDS IN FAVOR OF THE UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS CLARK COUNTY AREA NEVADA.

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

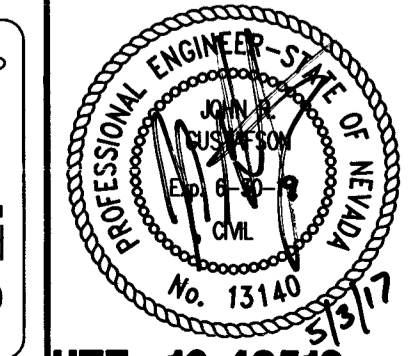
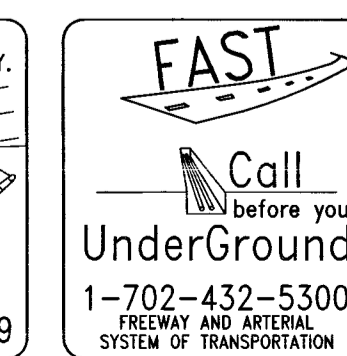
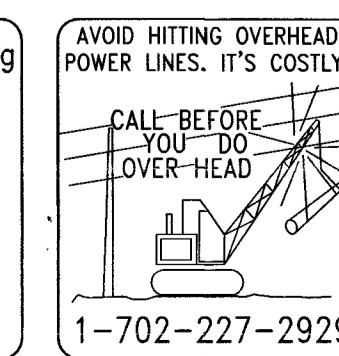
DATE: _____ PROJECT NO. 125087
LVWD APPROVED FIRE FLOW 1500 GPM AT 20 PSI RESIDUAL
SHEETS CV01, GN01 DT01, PP01, PP02 & UT01 THRU UT04 AND MU01

[Signature] 5-12-17
NEVADA POWER COMPANY

NEVADA POWER COMPANY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS AND WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NEVADA POWER COMPANY RESERVES THE RIGHT TO ADDRESS ANY EXISTING OR FUTURE CONFLICTS ONCE THE FINAL DESIGN IS COMPLETED. THE NEW SERVICE AND THE RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC UTILITY COMMISSION'S RULE AND REGULATIONS.

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.



ABBREVIATION LEGEND

AB	AGGREGATE BASE
AC	ASPHALTIC CONCRETE
BC	BEGIN CURVE
BCR	BEGIN CURVE RETURN
BFE	BASE FLOOD ELEVATION
BVC	BEGIN VERTICAL CURVE
BS	BACK OF SIDEWALK
CL	CENTERLINE
CO	CLEAN OUT
CONC	CONCRETE
DE	DRAINAGE EASEMENT
EP	EDGE OF ASPHALTIC CONCRETE
ELEV	ELEVATION
EC	END OF CURVE
EVC	END OF VERTICAL CURVE
EXIST	EXISTING GRADE
EG	EXISTING GRADE
FF	FINISH FLOOR
FH	FIRE HYDRANT
FL	FLOW LINE
FS	FINISH SURFACE
G	GAS
GB	GRADE BREAK
HORIZ	HORIZONTAL
HP	HIGH POINT
INT	INTERSECTION
L	LENGTH
LF	LINEAL FEET
MH	MANHOLE
NTS	NOT TO SCALE
PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVATURE
POT	POINT OF TANGENT
PVC	POLYVINYL CHLORIDE PIPE
PL	PROPERTY LINE
R	RADIUS
REF	REFERENCE
RCP	REINFORCED CONCRETE PIPE
R/W	RIGHT OF WAY
SS	SANITARY SEWER
SW	SIDEWALK
S	SLOPE
SHT	SHEET
STA	STATION
T	TANGENT
TC	TOP OF CURB
TW	TOP OF WALL
TRW	TOP OF RETAINING WALL
TPW	TOP OF PARSONS WALL
TF	TOP OF FLOOD WALL
TOP	TOP OF FOOTING
TYP	TYPICAL
VERT	VERTICAL
VC	VERTICAL CURVE
W	WATER

APP'D: _____
 DATE: _____
 REVISIONS: _____
 SHEET: **CV01**
 1 of 12
 PROJ. NO. Shepherd
MSM-0001-17
 SHEPHERD OF THE HILLS CHURCH
 SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B. & M., CLARK COUNTY, NEVADA
 CIVIL ENGINEERS
 1210 HINSON STREET LAS VEGAS, NEVADA 89102
 PHONE: (702) 870-8771 FAX: (702) 878-2695
BAUGHMAN & TURNER, INC.
 LAND PLANNERS
 LAND SURVEYORS
 LAS VEGAS, NEVADA
 PHONE: (702) 870-8771 FAX: (702) 878-2695

CITY OF LAS VEGAS GENERAL NOTES

- 1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS DEVIATIONS FROM STANDARDS".

CITY OF LAS VEGAS SEWER NOTES

- 1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATIONS.

CLARK COUNTY TRAFFIC NOTES

- 1. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.

CLARK COUNTY GRADING NOTES

- 1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS AND STANDARD DRAWINGS CLARK COUNTY AREA NEVADA" AND CLARK COUNTY SUPPLEMENT TO "UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS", LATEST REVISION.

CLARK COUNTY DEPARTMENT OF PUBLIC WORKS NOTES

- 1. INSPECTIONS ARE REQUIRED. CALL 24 HOURS IN ADVANCE, 455-4610. YOUR PERMIT APPROVED PLANS, AND BARRICADE PLANS FOR THIS WORK MUST BE ON THE JOB AT ALL TIMES.

COMMON ELEMENT / EASEMENT REQUIREMENTS

- 1. ISOLATION VALVES ARE REQUIRED AT THE POINT OF CONNECTION (EXTERIOR) AND WITHIN 10 FEET OF THE BACK OF CURB (INTERIOR), WITH NO SERVICE CONNECTIONS BETWEEN TEN VALVES.

L.V.V.W.D. STANDARD NOTES

- 1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVWD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO PROJECT # IDENTIFIED ABOVE.

FIRE DEPARTMENT GENERAL NOTES

- A. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CLARK COUNTY FIRE CODE AS AMENDED, AND THE 2007 EDITION OF NATIONAL FIRE PROTECTION ASSOCIATION PAMPHLET #24.

APPROVALS

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

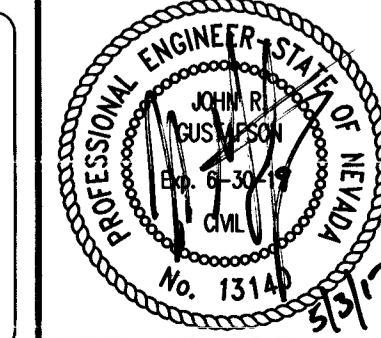
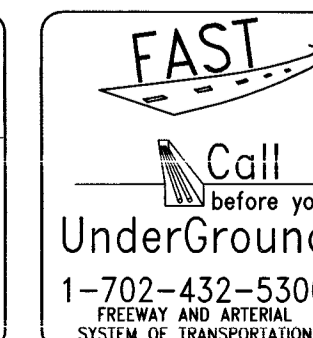
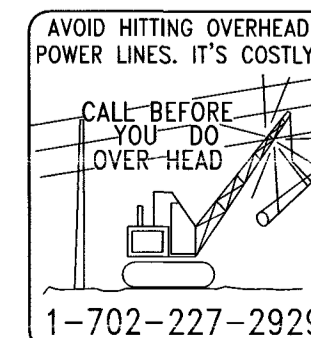
DATE: PROJECT NO. 125087

Signature: 16-98870 5/17/2017

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS. FIRE FLOW 1,500 GPM @ 20 PSI RESIDUAL.

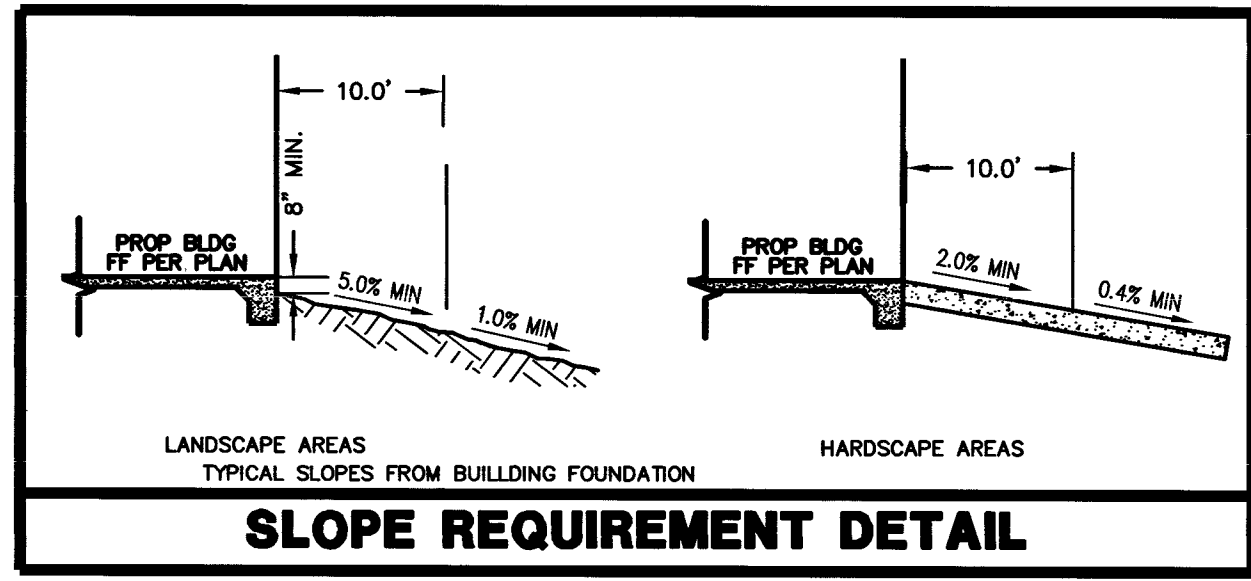
DISCLAIMER NOTE

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Vertical sidebar containing project information: SHEPHERD OF THE HILLS CHURCH GENERAL NOTES, SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B. & M., CLARK COUNTY, NEVADA, PROJECT NO. GNO1, 2 of 12, SHEPHERD OF THE HILLS CHURCH, 1210 HINSON STREET, LAS VEGAS, NEVADA, PHONE: (702) 870-6771, FAX: (702) 878-2695, BAUGHMAN & TURNER, INC., CIVIL ENGINEERS, LAND PLANNERS, LAND SURVEYORS, DESIGN, DRAWN, CHECKED, DATE: 05/02/2017, PREPARED FOR: TEMPLETON, REVISIONS, DATE, NO., APPD.

#	CONSTRUCTION NOTES	QUANTITIES	
		UNIT	PUBLIC PRIVATE
1	INSTALL "A" TYPE ISLAND CURB PER CCAUSD #219	LF	979
2	INSTALL 2" "L" TYPE CURB PER CCAUSD #216	LF	386 567
3	INSTALL 8" CROSS GUTTER PER CCAUSD #228	SF	256
4	INSTALL 2" ASPHALTIC CONCRETE ON 4" TYPE II AGGREGATE BASE	SY	4,795
5	INSTALL 2" CURB CUT PER DETAIL #1 SHEET D101	EA	5
6	MATCH EXISTING ELEVATION.	SF	-
7	INSTALL SIDEWALK PER CCAUSD #234	SF	2,242
8	INSTALL TRASH ENCLOSURE SEE ARCHITECTURAL PLANS	EA	1
9	INSTALL COMMERCIAL DRIVEWAY PER CCAUSD #221.1	SF	628
10	INSTALL SIDEWALK UNDER DRAIN PER USDOCA DWG. #236	EA	2
11	INSTALL 3" ASPHALTIC CONCRETE ON 6" TYPE II AGGREGATE BASE	SY	1,440
12	INSTALL HANDICAP RAMP PER CCAUSD #235 CASE I USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT	EA	1

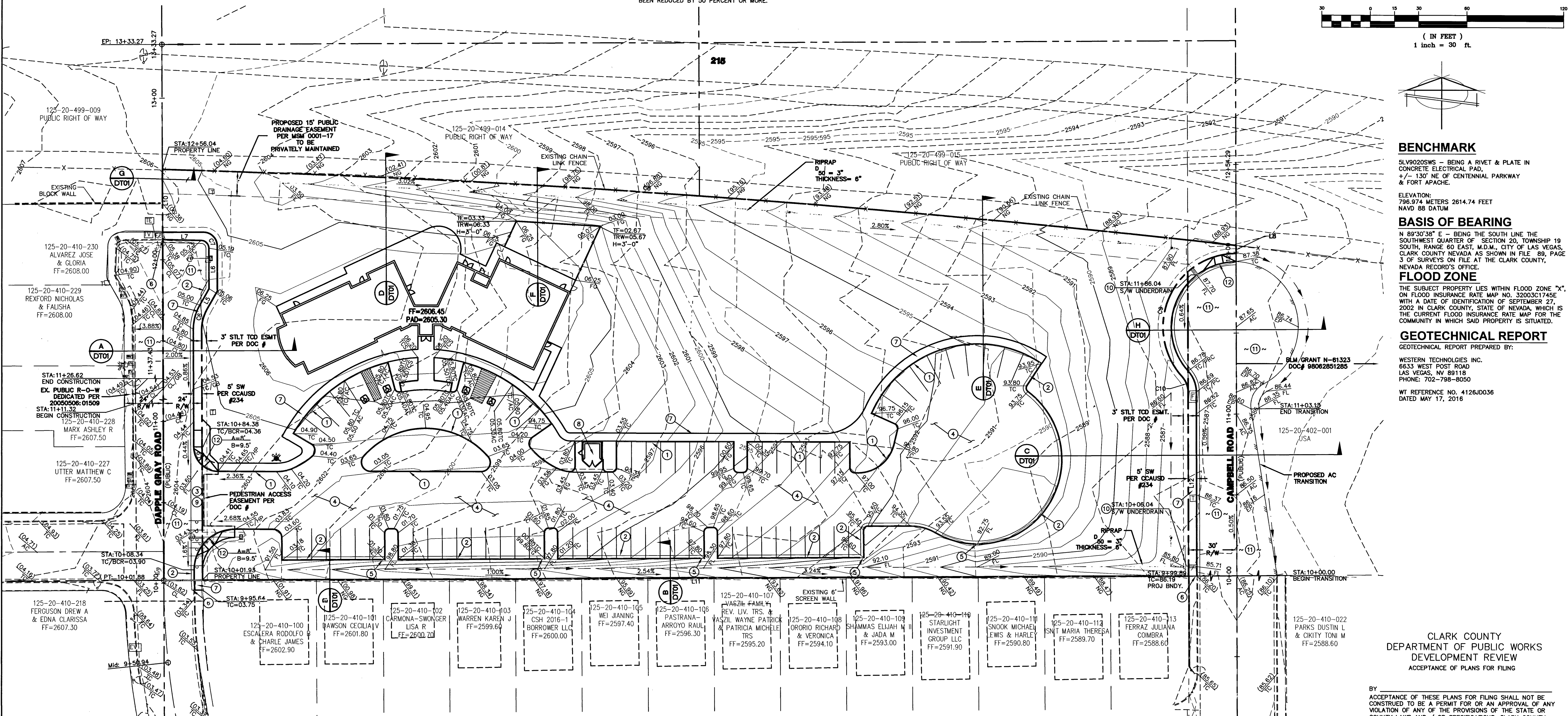
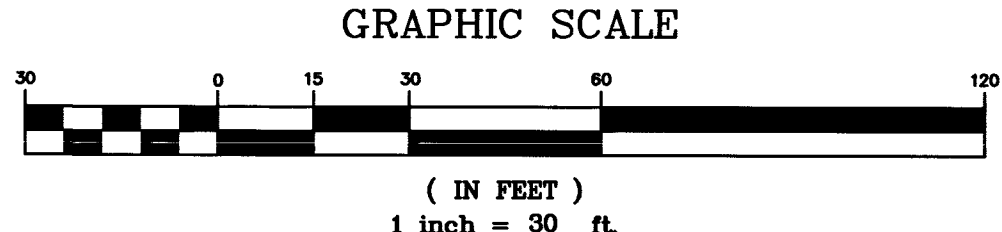
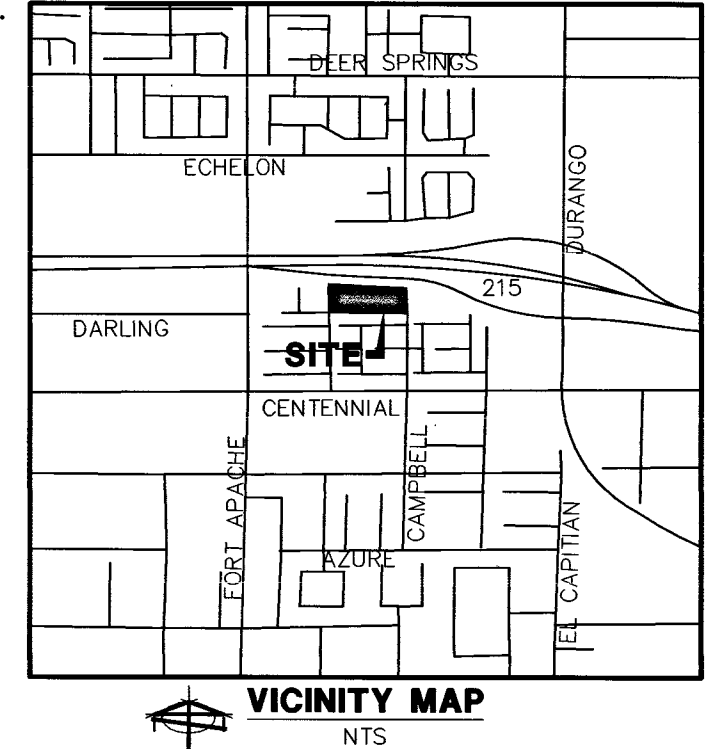


STORMWATER MANAGEMENT NOTES

1. THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
2. STANDARD NOTE NO 2: ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY BUILDING ADMINISTRATIVE CODE 24.40 AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.5.
4. STANDARD NOTE NO 4: AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPs WEEKLY, AND WITHIN 24 HOURS AFTER ANY RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTION TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO NEVADA GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.12.
5. STANDARD NOTE NO 5: ACCUMULATED SEDIMENT IN BMPs SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

LEGEND

- RIGHT OF WAY
- PROPERTY LINE
- PROPOSED EASEMENT
- STREET CENTERLINE
- PROPOSED "L" CURB & GUTTER
- PROPOSED RETAINING WALL
- EXISTING "L" CURB & GUTTER
- EXISTING CONTOUR LINES
- PROPOSED CONTOUR LINES
- EXISTING EDGE OF PAVEMENT
- PROPOSED EDGE OF PAVEMENT
- PROPOSED SWALE FLOW LINE
- SAWCUT AND REMOVE EXISTING ASPHALT
- SIGHT VISIBILITY ZONE
- PUBLIC ACCESS EASEMENT
- PROPOSED ELEVATION & LOCATION



BENCHMARK
 5LV902025WS - BEING A RIVET & PLATE IN CONCRETE ELECTRICAL PAD, 4'-130" NE OF CENTENNIAL PARKWAY & FORT APACHE.
 ELEVATION: 796.974 METERS 2614.74 FEET NAVD 88 DATUM

BASIS OF BEARING
 N 89°30'38" E - BEING THE SOUTH LINE THE SOUTHWEST QUARTER OF SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA AS SHOWN IN FILE # 89, PAGE 3 OF SURVEYS ON FILE AT THE CLARK COUNTY, NEVADA RECORDS OFFICE.

FLOOD ZONE
 THE SUBJECT PROPERTY LIES WITHIN FLOOD ZONE "X", ON FLOOD INSURANCE RATE MAP NO. 32003C1745E WITH A DATE OF IDENTIFICATION OF SEPTEMBER 27, 2002 IN CLARK COUNTY, STATE OF NEVADA, WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH SAID PROPERTY IS SITUATED.

GEOTECHNICAL REPORT
 GEOTECHNICAL REPORT PREPARED BY:
 WESTERN TECHNOLOGIES INC.
 6633 WEST POST ROAD
 LAS VEGAS, NV 89118
 PHONE: 702-798-8050
 WT REFERENCE NO. 4126J0036
 DATED MAY 17, 2016

LEGAL DESCRIPTION
 PARCEL 1:
 THE WEST HALF (W 1/2) OF THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M. D. M., CLARK COUNTY, NEVADA, EXCEPTING THEREFROM THAT PORTION CONVEYED TO THE COUNTY OF CLARK FOR LAS VEGAS BELTWAY BY DEDICATION RECORDED MARCH 23, 2004 IN BOOK 20040323 AS INSTRUMENT NUMBER 02092 OF OFFICIAL RECORDS.
 APN: 125-20-401-003

PARCEL 2:
 THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B. & M., CLARK COUNTY, NEVADA, EXCEPTING THEREFROM THAT PORTION OF SAID LAND AS CONVEYED TO CLARK COUNTY BY DEED RECORDED OCTOBER 29, 1990 IN BOOK 901029 AS DOCUMENT NO. 00936, OFFICIAL RECORDS. FURTHER EXCEPTING THEREFROM THAT PORTION OF SAID LAND AS DEDICATED TO COUNTY OF CLARK BY A DEDICATION RECORDED MARCH 23, 2004 IN BOOK 20040323 AS DOCUMENT NO. 02092, IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA.

LINE TABLE	CURVE TABLE						
Line #	LENGTH	BEARING	CURVE #	LENGTH	RADIUS	DELTA	TANGENT
L5	13.01	N29°44'39"E	C6	13.09	25.00	029°59'59"	6.70
L6	27.93	S00°15'21"E	C7	13.35	8.50	090°00'00"	8.50
L7	25.36	N89°44'39"E	C8	667.59	7818.96	004°53'31"	334.00
L8	5.00	S00°11'26"E	C9	104.92	45.50	132°07'35"	102.50
L9	155.02	S00°15'20"E	C10	10.66	14.50	042°07'35"	5.58
L10	38.88	N00°15'24"W					
L11	611.41	S89°36'32"W					
L12	188.10	S00°11'26"E					

ENGINEERS CERTIFICATE
 I CERTIFY THAT THIS GRADING PLAN IS IN ACCORDANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT CLARK COUNTY FOR THIS PROJECT. HTE # 16-48517
 JOHN R. GUSTAFSON, P.E. DATE 4/17

DISCLAIMER NOTE

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Call before you Dig
 Avoid cutting underground utility lines. It's costly.
 Call 811

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

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

PROFESSIONAL ENGINEER - STATE OF NEVADA
 No. 13140
 HTE# 16-48513

PREPARED FOR: TEMPLETON

DATE: 05/03/2017

DESIGN: BAUGHMAN & TURNER, INC.

DRAWN: CIVIL ENGINEERS

CHECK: LAND SURVEYORS

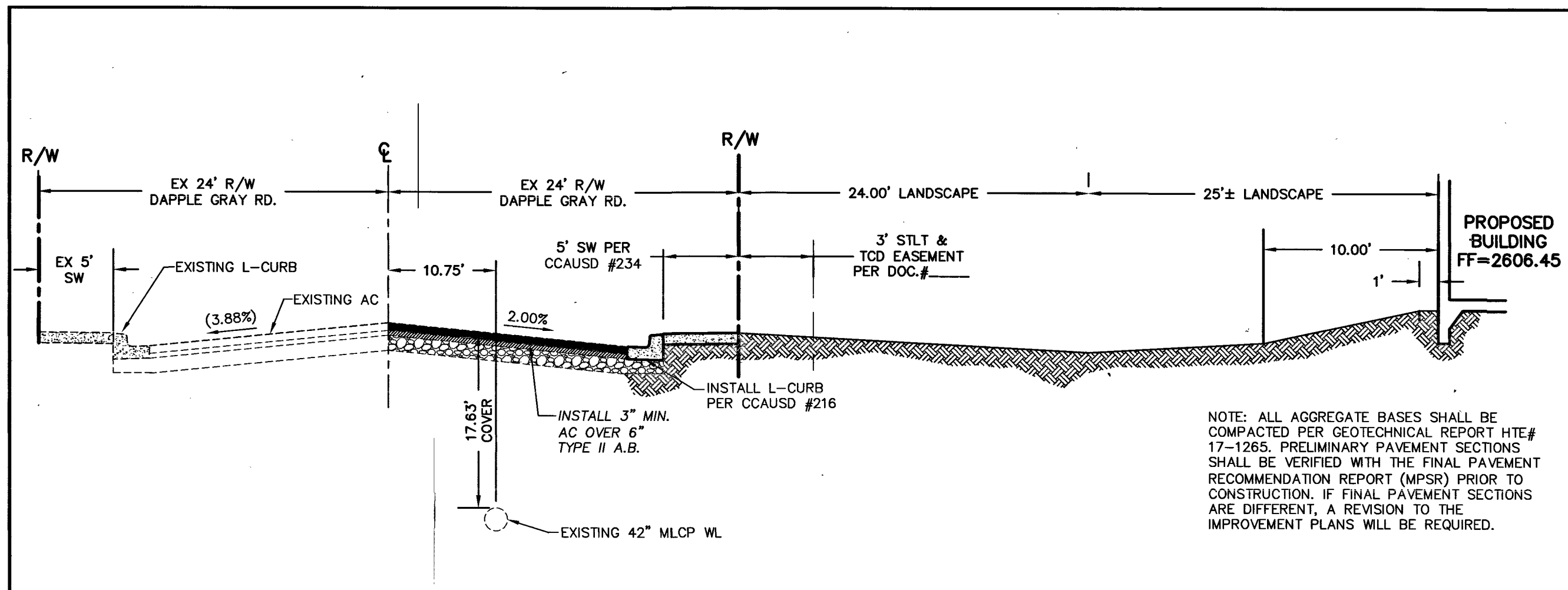
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SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B. & M., NEVADA CLARK COUNTY

MSM-0001-17

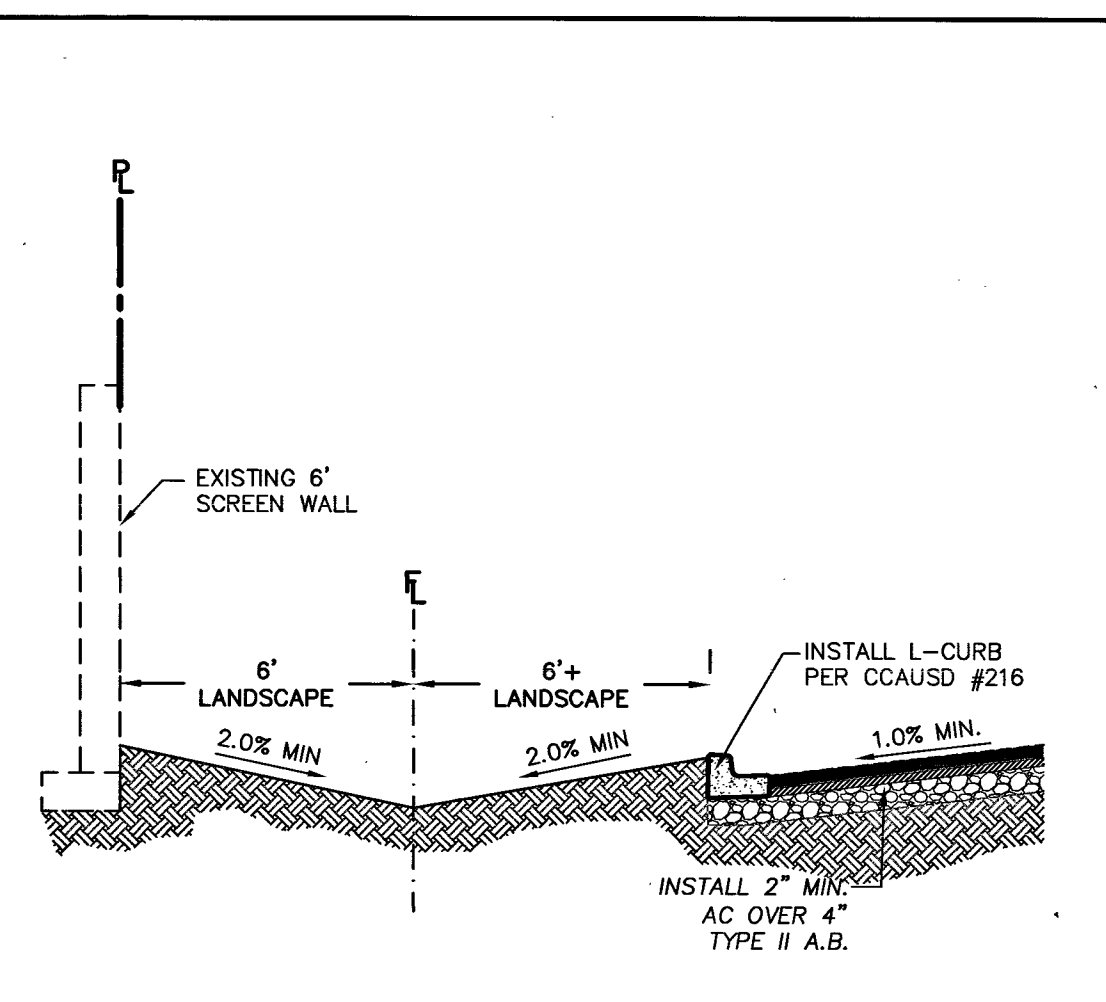
SHEET GP01 3 of 12

PROJ. NO. Shepard



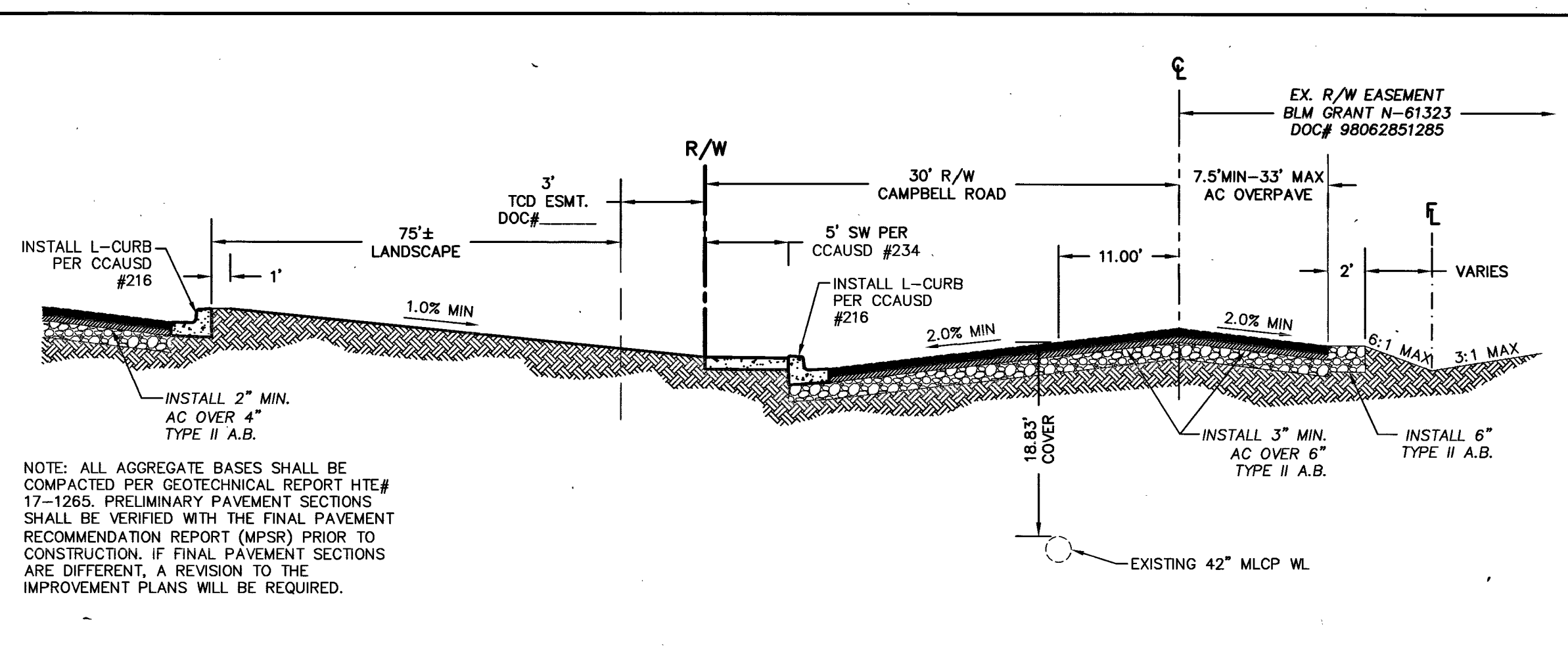
SECTION - DAPPLE GRAY ROAD

N.T.S. A



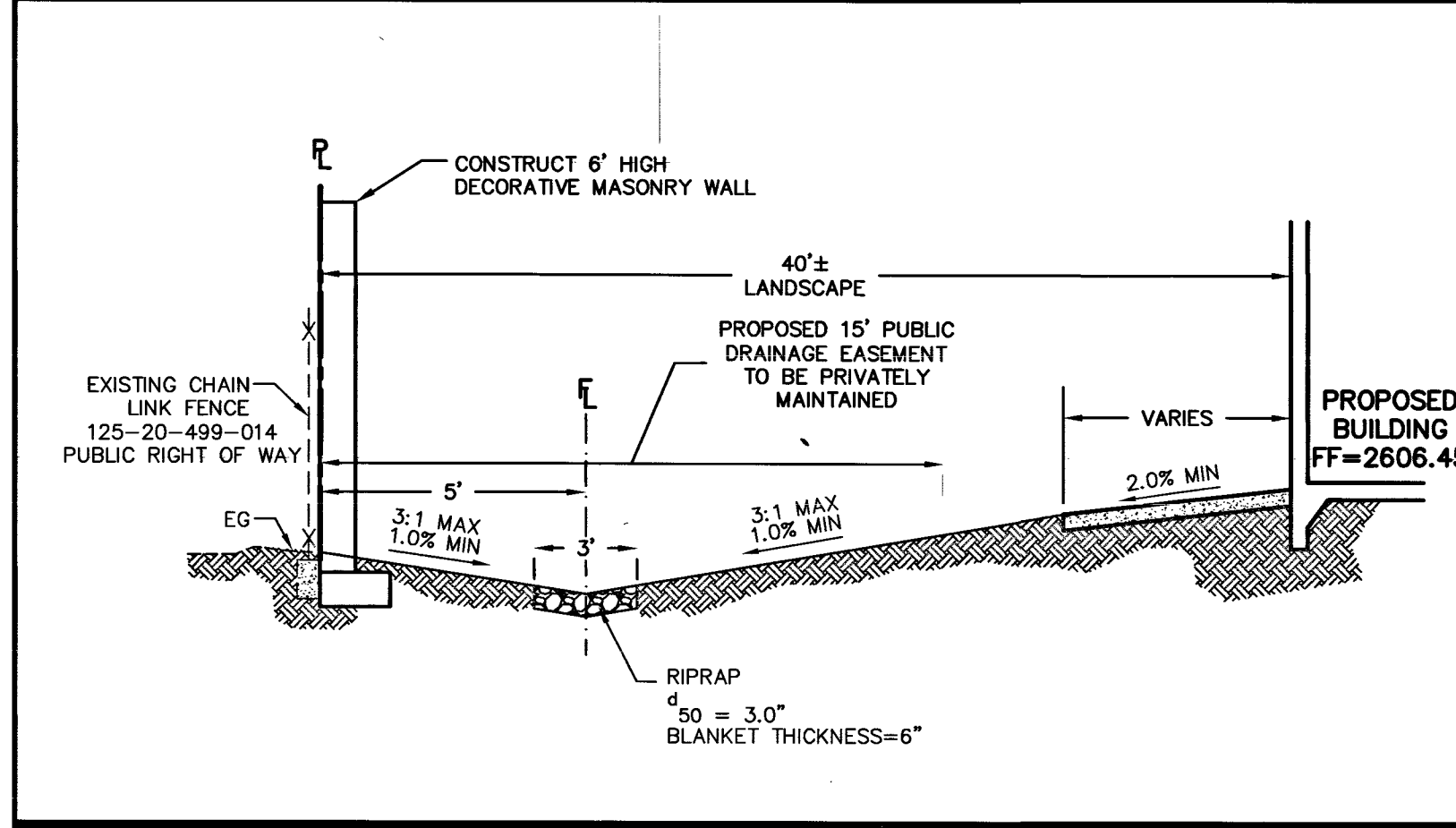
SECTION - SOUTH BOUNDARY

N.T.S. B



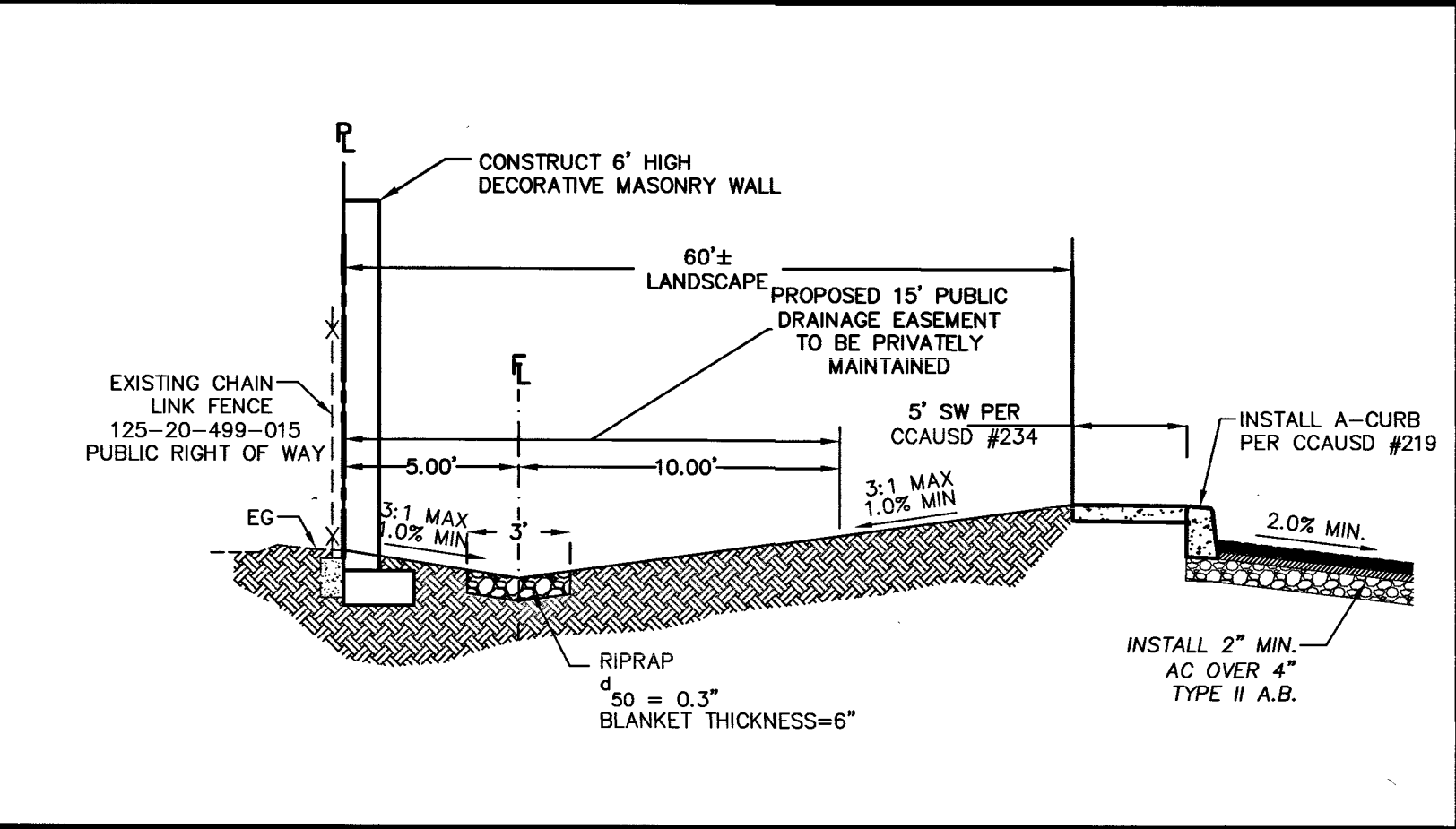
SECTION - CAMPBELL ROAD

N.T.S. C



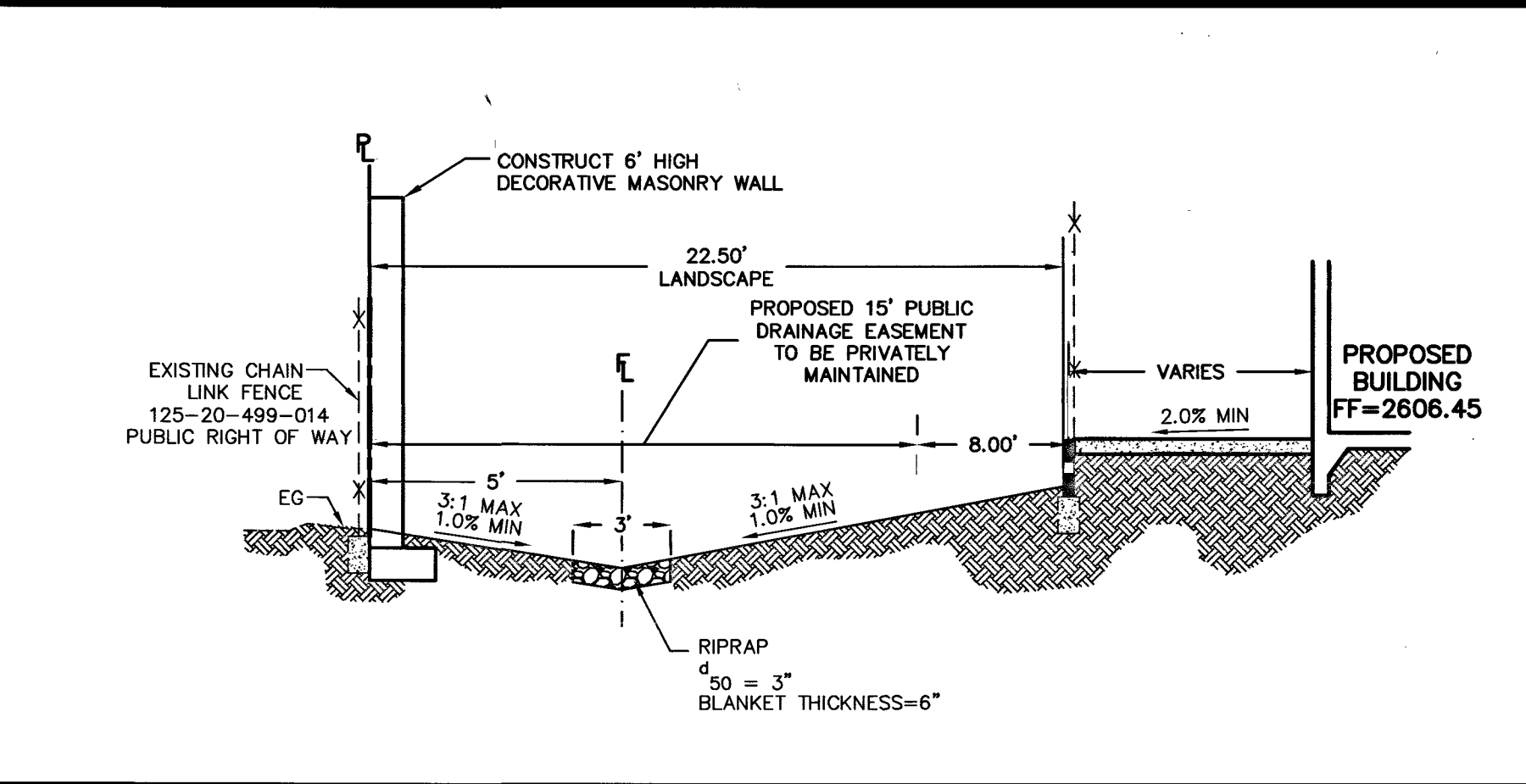
SECTION - NORTH BOUNDARY

N.T.S. D



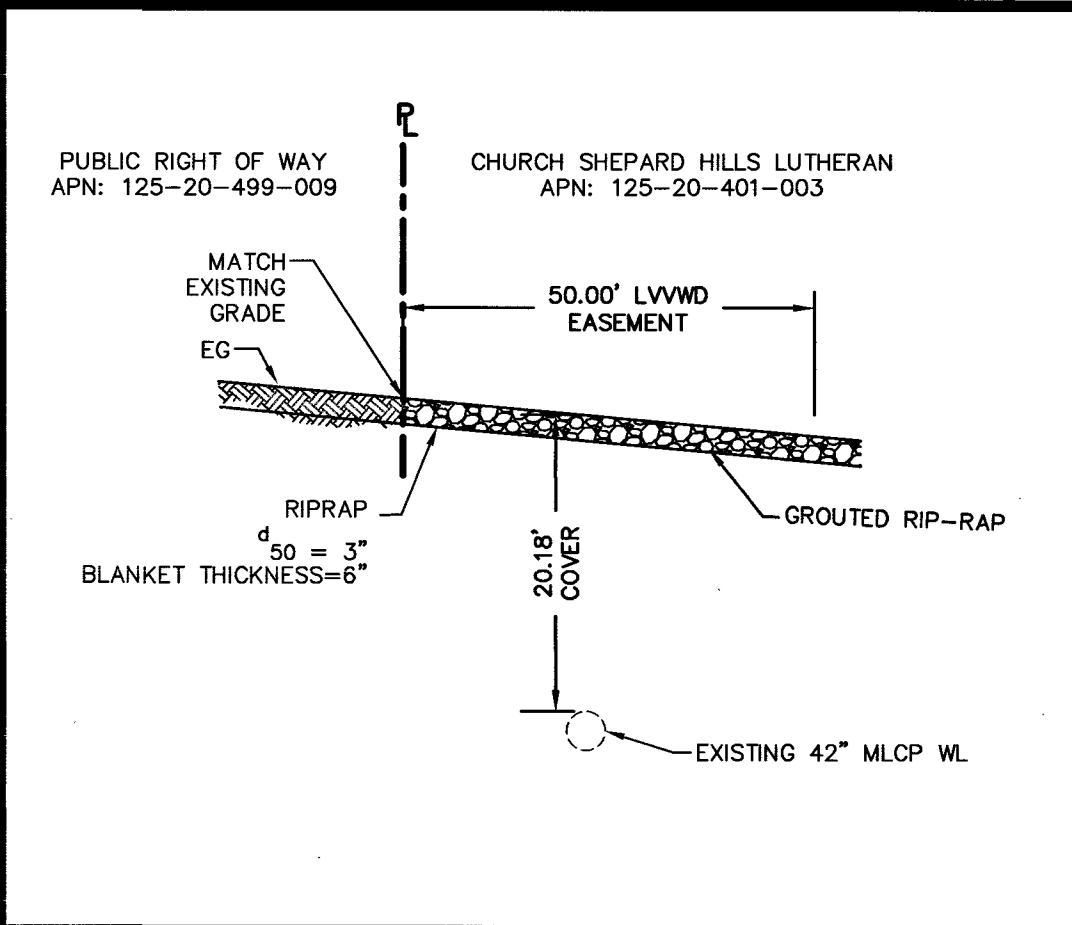
SECTION - NORTH BOUNDARY

N.T.S. E



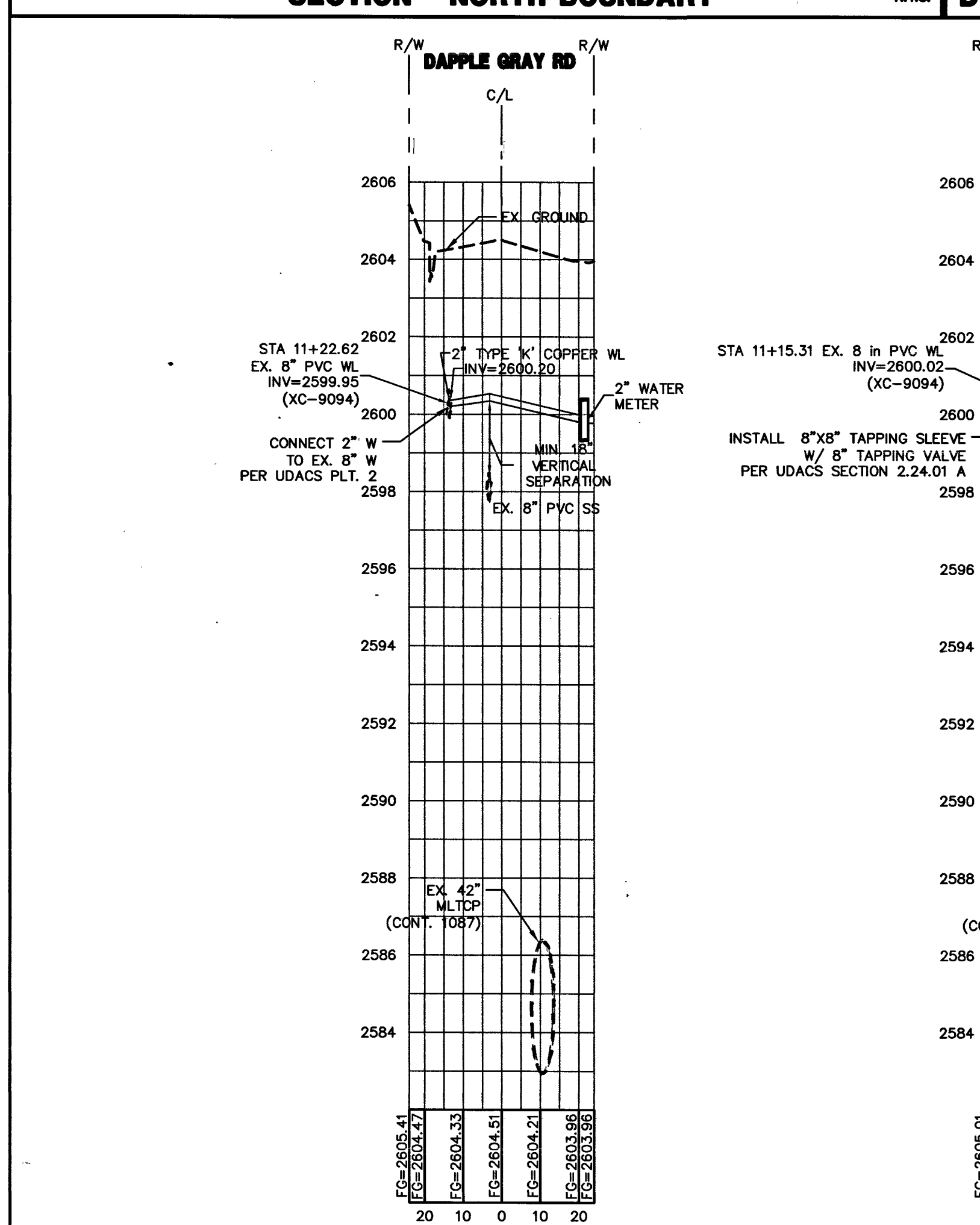
SECTION - NORTH BOUNDARY

N.T.S. F



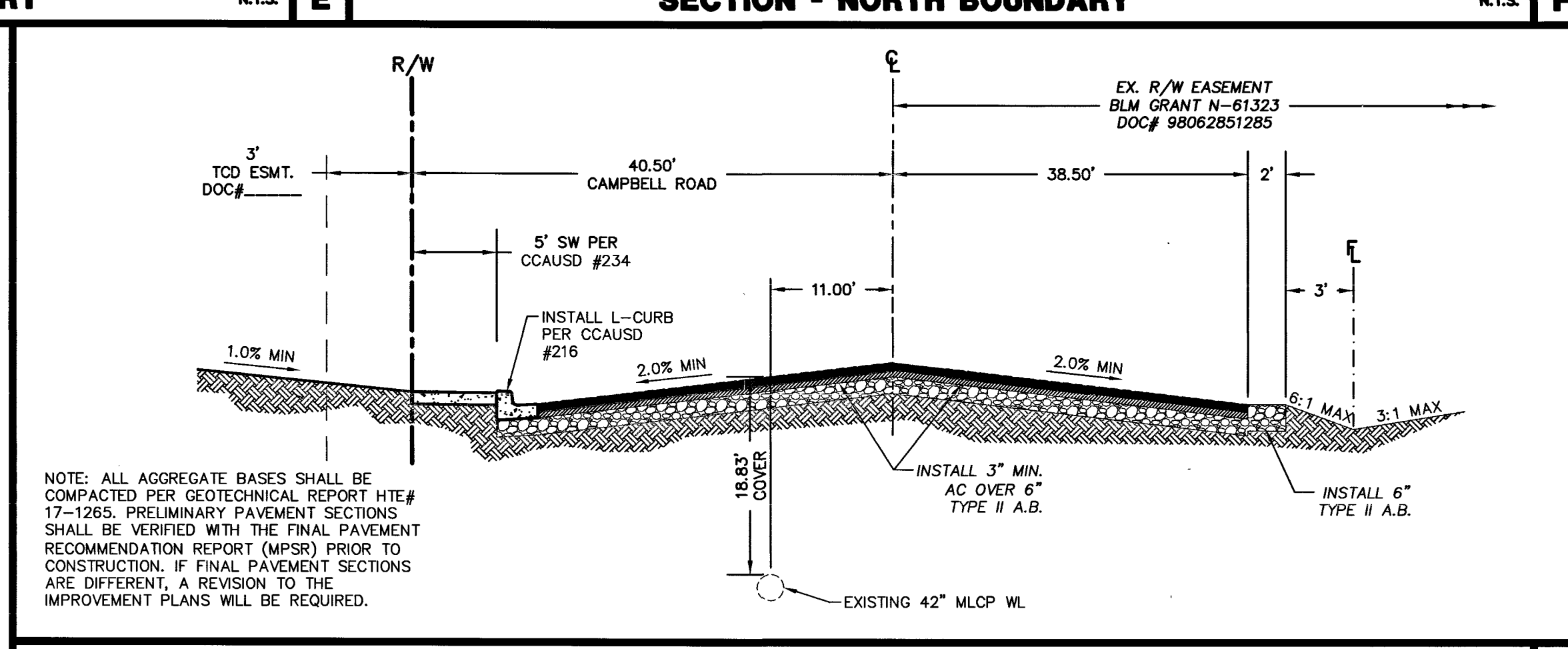
SECTION - NORTH/WEST BOUNDARY

N.T.S. G



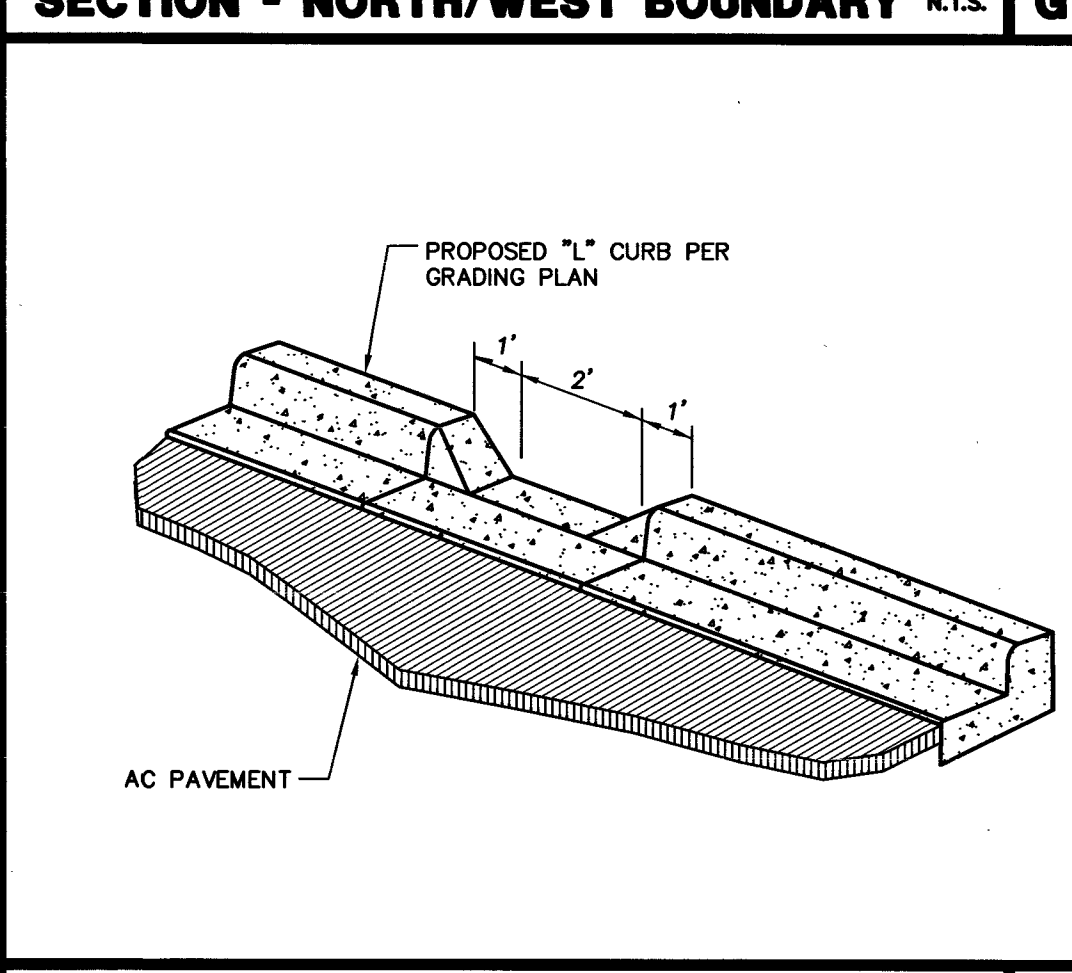
CROSSING 'A' (SEE UT01) SCALE: 1" = 20' HORIZONTAL 1" = 2' VERTICAL

CROSSING 'B' (SEE UT01) SCALE: 1" = 20' HORIZONTAL 1" = 2' VERTICAL



SECTION - CAMPBELL ROAD

N.T.S. H



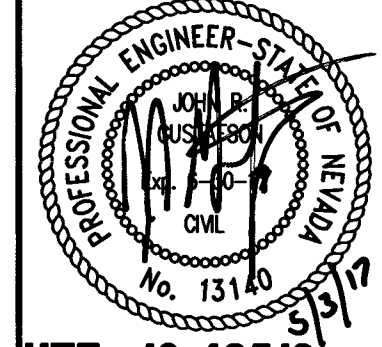
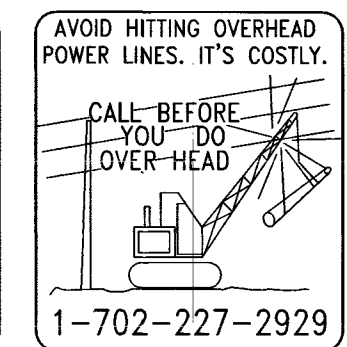
DETAIL - 2' CURB OPENING

N.T.S. I

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: _____ PROJECT NO. 125087

DISCLAIMER NOTE

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L-69853 307V1127

PREPARED FOR: TEMPLETON

DATE: 05/03/2017

DESIGN: MJ

DRAWN: MJ

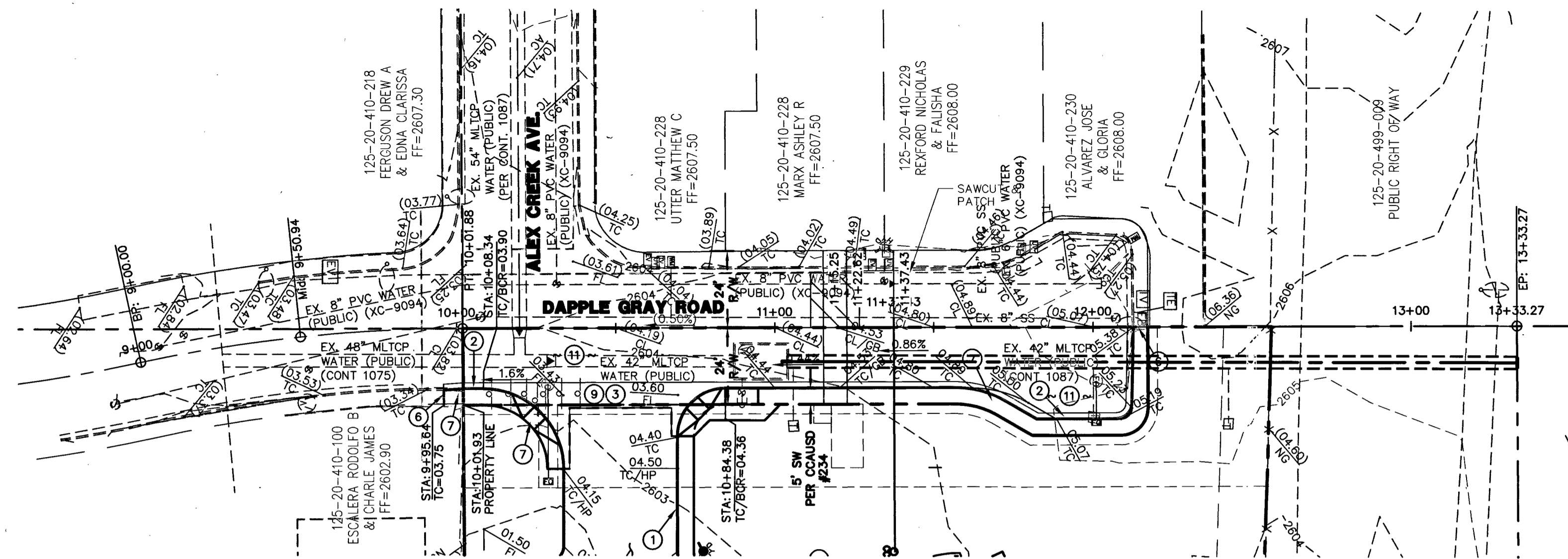
CHECK: JRC

SCALE: NTS

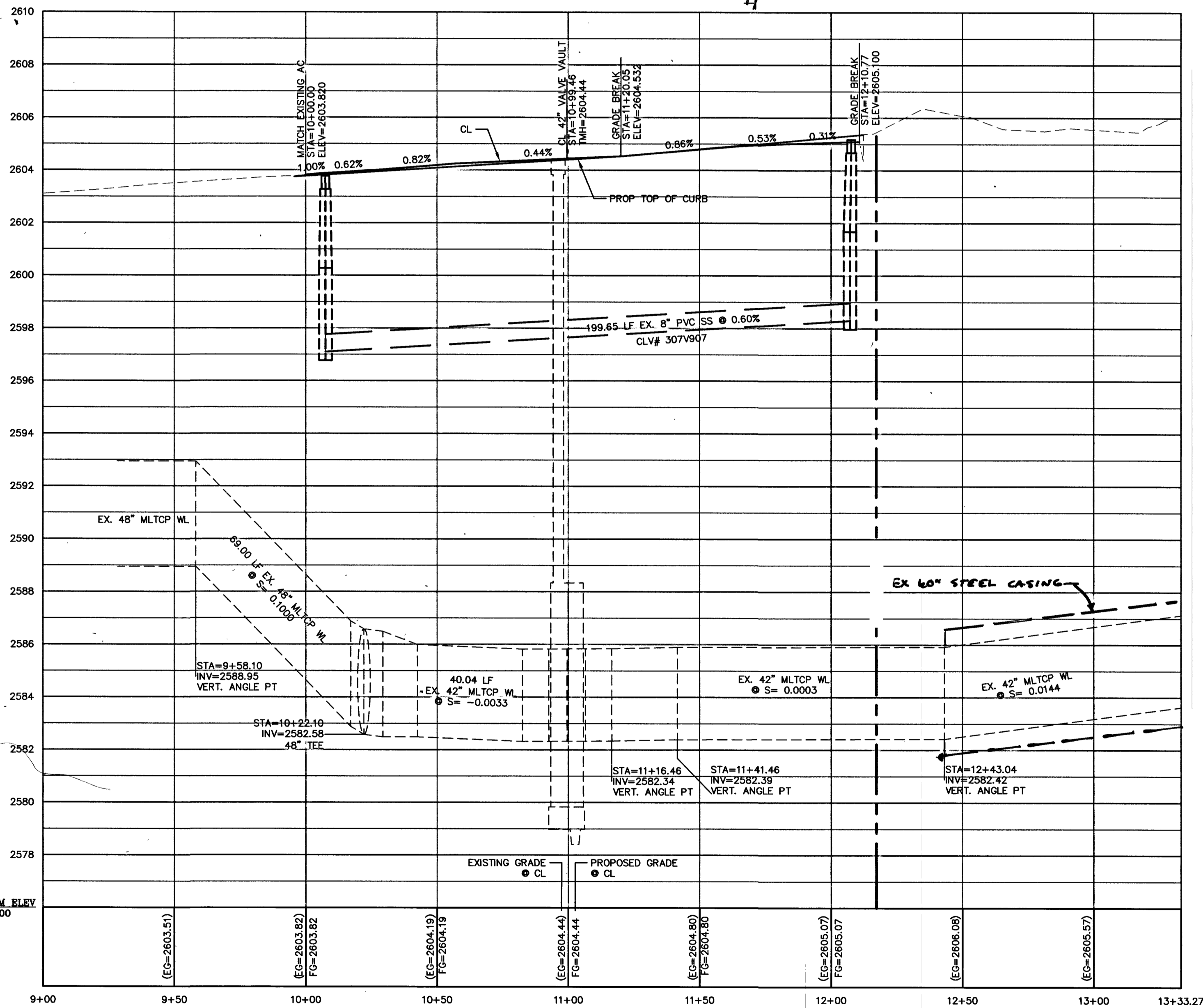
BAUGHMAN & TURNER, INC.
CIVIL ENGINEERS
LAND SURVEYORS
LAND PLANNERS
DRAWN BY: MJ
CHECKED BY: JRC
LAS VEGAS, NEVADA
1210 HINSON STREET
PHONE: (702) 870-8771
FAX: (702) 878-2695
89102

SHEPHERD OF THE HILLS CHURCH
DETAIL SHEET
SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B. & M. NEVADA
CLARK COUNTY
MSM-0001-17

SHEET DT01
4 of 12
PROJ. NO. Shepard



DAPPLE GREY ROAD - PHASE 1
SCALE: HORIZONTAL 1"=30'



DAPPLE GREY ROAD
SCALE: HORIZONTAL 1"=30'
VERTICAL 1"=3'

LEGAL DESCRIPTION

PARCEL 1:
THE WEST HALF (W 1/2) OF THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M. D. M., CLARK COUNTY, NEVADA, EXCEPTING THEREFROM THAT PORTION CONVEYED TO THE COUNTY OF CLARK FOR LAS VEGAS BELTWAY BY DEDICATION RECORDED MARCH 23, 2004 IN BOOK 20040323 AS INSTRUMENT NUMBER 02092 OF OFFICIAL RECORDS.
APN: 125-20-401-003

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OWNER
CHURCH SHEPARD HILLS LUTHERAN
7501 TULE SPRINGS RD #150
LAS VEGAS, NV 89131

BASIS OF BEARING
N 89°30'38" E - BEING THE SOUTH LINE THE SOUTHWEST QUARTER OF SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA AS SHOWN IN FILE 89, PAGE 3 OF SURVEYS ON FILE AT THE CLARK COUNTY, NEVADA RECORDS OFFICE.

BENCHMARK
SLV90205WS - BEING A RIVET & PLATE IN CONCRETE ELECTRICAL PAD, +/- 130' NE OF CENTENNIAL PARKWAY & FORT APACHE.
ELEVATION:
796.974 METERS 2614.74 FEET
NAVD 88 DATUM

FLOOD ZONE
THE SUBJECT PROPERTY LIES WITHIN FLOOD ZONE "X", BY THE SECRETARY OF HOUSING AND URBAN DEVELOPMENT, ON FLOOD INSURANCE RATE MAP NO. 32003C1745E WITH A DATE OF IDENTIFICATION OF SEPTEMBER 27, 2002, FOR COMMUNITY NUMBER 325276, IN CLARK COUNTY, STATE OF NEVADA, WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH SAID PROPERTY IS SITUATED.

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:

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

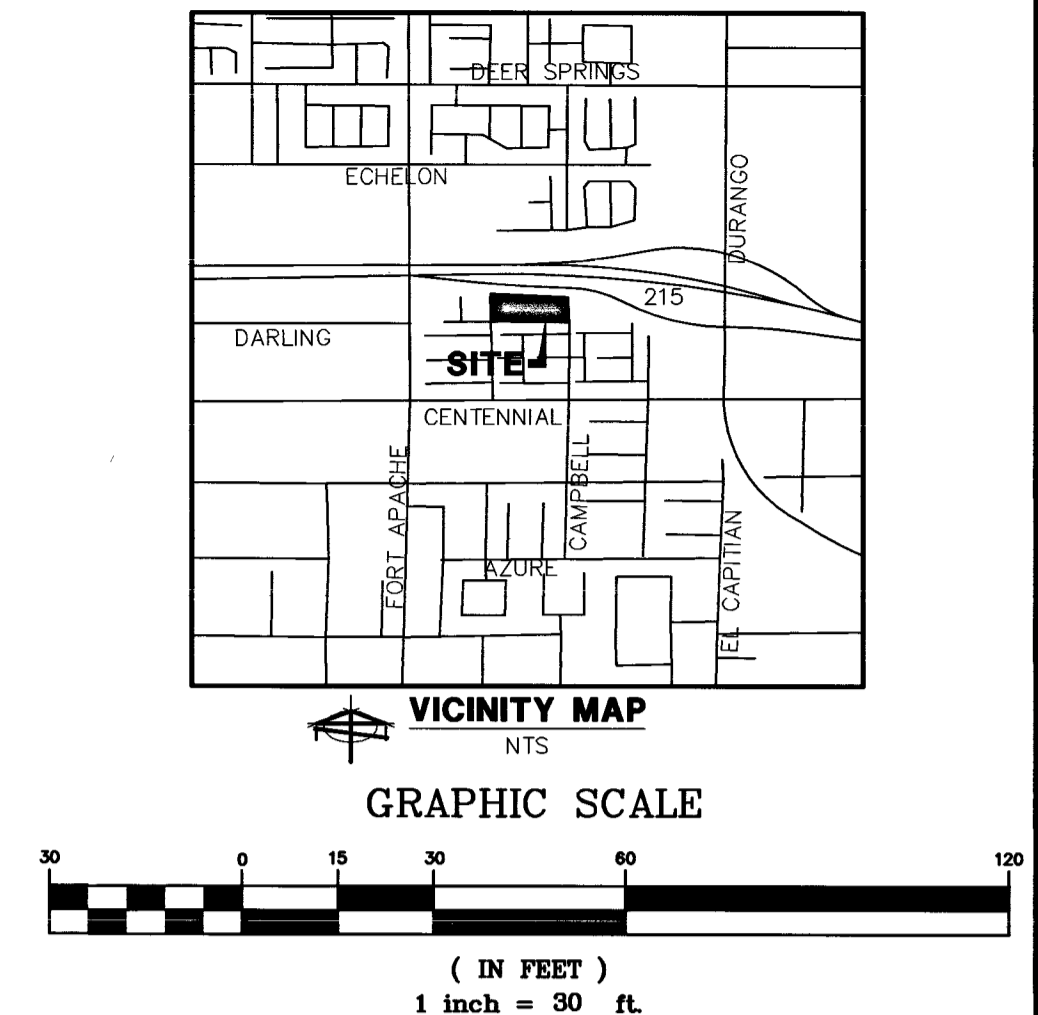
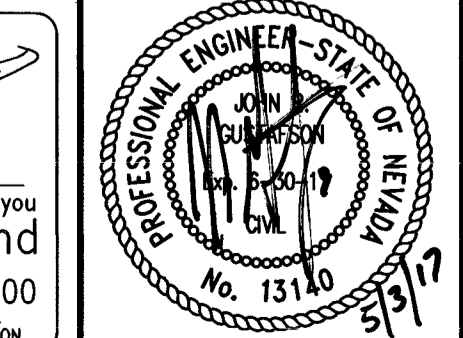
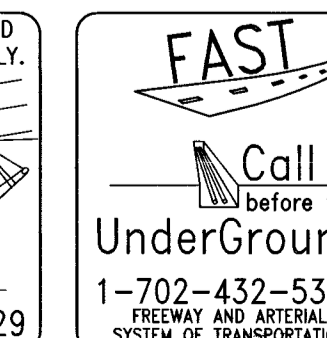
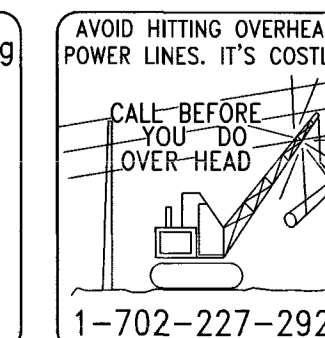
ESN. 078 01/05/15

NOTE:

"ANY EXCAVATION EXPOSING LVWMD FACILITIES 24" IN DIAMETER AND LARGER MUST REMAIN OPEN UNTIL INSPECTED BY LVWMD. NO BACKFILL MATERIAL IS TO BE PLACED IN THE EXCAVATION UNTIL APPROVED BY THE LVWMD INSPECTOR. ANY DAMAGE TO THE FACILITIES MUST BE REPORTED TO LVWMD IMMEDIATELY. CONTRACTOR TO CALL 702-285-7171 TO SCHEDULE LVWMD INSPECTION."

DISCLAIMER NOTE

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LEGEND

- RIGHT OF WAY
- PROPERTY LINE
- PROPOSED EASEMENT
- STREET CENTERLINE
- PROPOSED "L" CURB & GUTTER
- PROPOSED RETAINING WALL
- EXISTING "L" CURB & GUTTER
- EXISTING CONTOUR LINES
- PROPOSED CONTOUR LINES
- EXISTING EDGE OF PAVEMENT
- PROPOSED EDGE OF PAVEMENT
- PROPOSED SWALE FLOW LINE
- SAWCUT AND REMOVE EXISTING ASPHALT
- SIGHT VISIBILITY ZONE
- PUBLIC ACCESS EASEMENT
- PROPOSED ELEVATION & LOCATION
- EXISTING ELEVATION & LOCATION
- PROPOSED GRADE
- CONSTRUCTION NOTE
- PROPOSED HYDRANT
- CENTERLINE
- TOP OF CURB
- SIDEWALK
- EDGE OF PAVEMENT
- FINISHED GRADE
- GRADE BREAK
- FLOW LINE ELEVATION
- PIPE INVERT
- TRW
- INV
- AC
- TOP OF RETAINING WALL
- TRW
- PL
- PROPERTY LINE
- FEN
- FENCE LINE
- FINISHED FLOOR
- HP
- HIGHPOINT
- TRAFFIC CONTROL DEVICE
- TF
- TOP OF FOOTING
- NATURAL GROUND
- TOP CONCRETE SIDEWALK
- TCS
- POINT RETURN CURVE
- PRC
- POINT OF CURVE

EXCAVATION NEAR LARGE DIAMETER MAINS

IN THE AREAS WHERE THE EXCAVATION OR GROUND ELEVATION IS LESS THAN TWO FEET, NO EXCEPTION EQUIPMENT, OTHER THAN HAND HELD EQUIPMENT WILL BE ALLOWED WITHIN TEN (10) FEET OF THE EXISTING TRANSMISSION PIPELINE IN THESE AREAS. THE CONTRACTOR IS TO PLACE A CONCRETE BARRIER, I.E. JERSEY RAIL, TO IDENTIFY AND PROTECT THE NO EQUIPMENT ZONE.

CONSTRUCTION NOTES

#	ITEM	QUANTITIES	
		UNIT	PUBLIC PRIVATE
1	INSTALL "A" TYPE ISLAND CURB PER CCAUSD #219	LF	- 979
2	INSTALL 2" "L" TYPE CURB PER CCAUSD #216	LF	386 567
3	INSTALL 8" CROSS GUTTER PER CCAUSD #228	SF	256 -
4	INSTALL 2" ASPHALTIC CONCRETE ON 4" TYPE II AGGREGATE BASE	SY	- 4,795
5	INSTALL 2" CURB CUT PER DETAIL #1 SHEET DT01	EA	- 5
6	MATCH EXISTING ELEVATION.	SF	- -
7	INSTALL SIDEWALK PER CCAUSD #234	SF	2,242 -
8	INSTALL TRASH ENCLOSURE SEE ARCHITECTURAL PLANS	EA	- 1
9	INSTALL COMMERCIAL DRIVEWAY PER CCAUSD #221.1	SF	628 -
10	INSTALL SIDEWALK UNDER DRAIN PER USCCA DWG. #236	EA	2 -
11	INSTALL 3" ASPHALTIC CONCRETE ON 6" TYPE II AGGREGATE BASE	SY	1,440 -
12	INSTALL HANDICAP RAMP PER CCAUSD #235 CASE 1 USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT	EA	1 -

CLARK COUNTY
DEPARTMENT OF PUBLIC WORKS
DEVELOPMENT REVIEW
ACCEPTANCE OF PLANS FOR FILING

BY _____
ACCEPTANCE OF THESE PLANS FOR FILING SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS AND / OR SPECIFICATIONS. CLARK COUNTY SHALL BE HELD FREE FROM DAMAGES WHICH MAY RESULT FROM THE CONSTRUCTION OF THE IMPROVEMENTS FROM THE ENGINEERING DESIGN DEPICTED HEREIN. NOTE: POWER POLES AND / OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREIN WILL BE RELOCATED AT NO EXPENSE TO CLARK COUNTY.

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: _____ PROJECT NO. 125087
LVWMD APPROVED FIRE FLOW 1500 GPM AT 20 PSI RESIDUAL

L-69853 307V1127

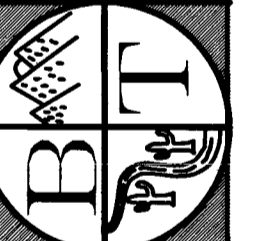
SHEPHERD OF THE HILLS CHURCH
PROFILE PLAN
SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B. & M., NEVADA
CLARK COUNTY
MSM-0001-17

SHEET
PP01
5 of 12
PROJ. NO. Shepard

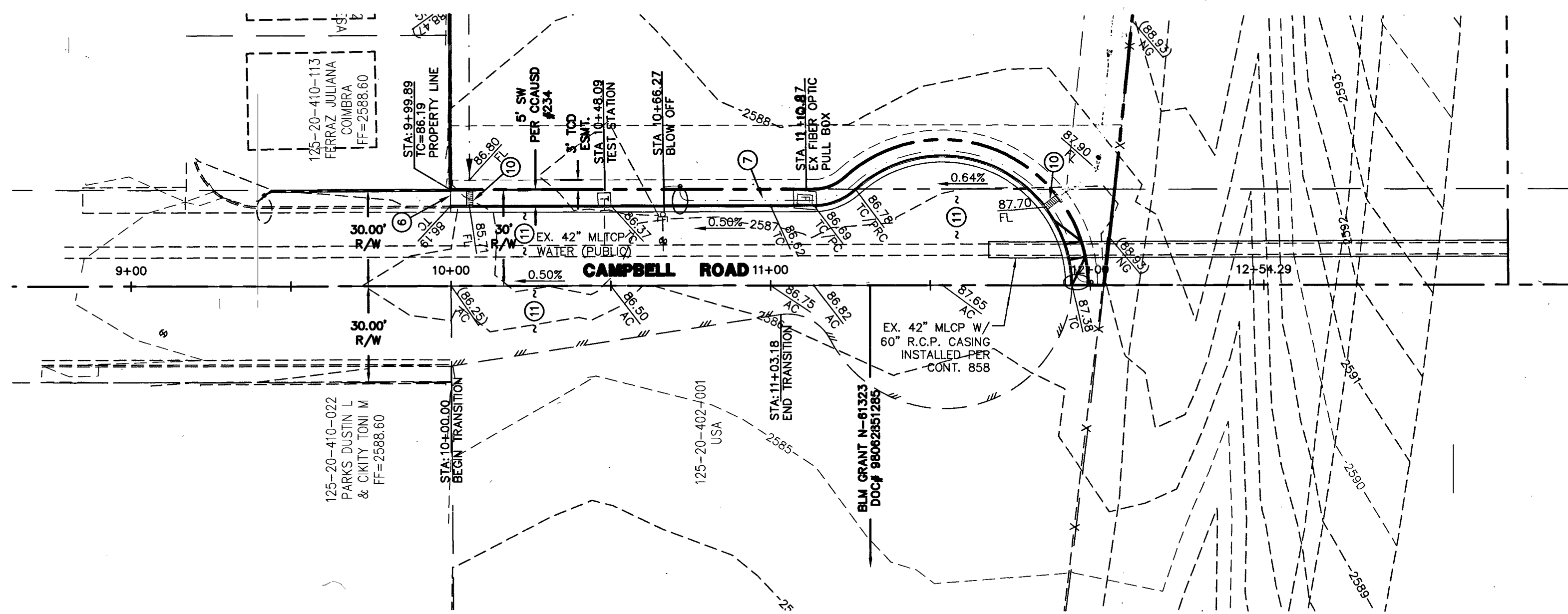
PREPARED FOR:
TEMPLETON

DATE: 05/03/2017
DESIGN: MJ
DRAWN: MJ
CHECK: JRC
SCALE: 1"=30'

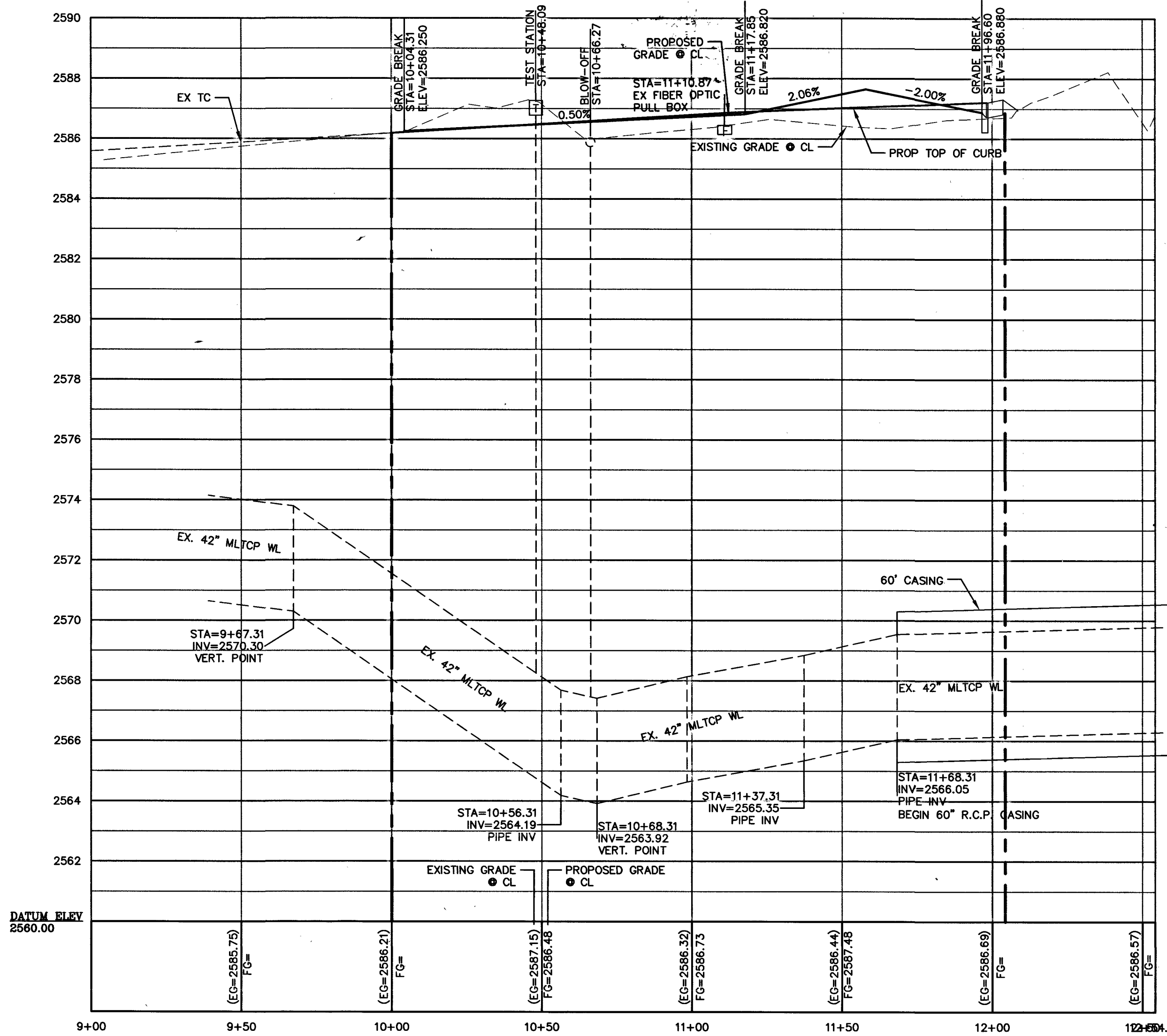
BAUGHMAN & TURNER, INC.
CIVIL ENGINEERS
LAND SURVEYORS
LAND PLANNERS
DRAWN: JRC
CHECK: JRC
SCALE: 1"=30'



NEVADA



CAMPBELL ROAD-PHASE 2
SCALE: HORIZONTAL 1"=30'



CAMPBELL ROAD
SCALE: HORIZONTAL 1"=30'
VERTICAL 1"=3'

LEGAL DESCRIPTION

PARCEL 1:
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OWNER
CHURCH SHEPARD HILLS LUTHERAN
7501 TULE SPRINGS RD #150
LAS VEGAS, NV 89131

BASIS OF BEARING
N 89°30'38" E - BEING THE SOUTH LINE THE SOUTHWEST QUARTER OF SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA AS SHOWN IN FILE 88, PAGE 3 OF SURVEYS ON FILE AT THE CLARK COUNTY, NEVADA RECORDS OFFICE.

BENCHMARK
5LV02020WS - BEING A RIVET & PLATE IN CONCRETE ELECTRICAL PAD, +/- 130' NE OF CENTENNIAL PARKWAY & FORT APACHE.
ELEVATION:
796.974 METERS 2614.74 FEET
NAVD 88 DATUM

FLOOD ZONE
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NOTE:

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ESN. 078

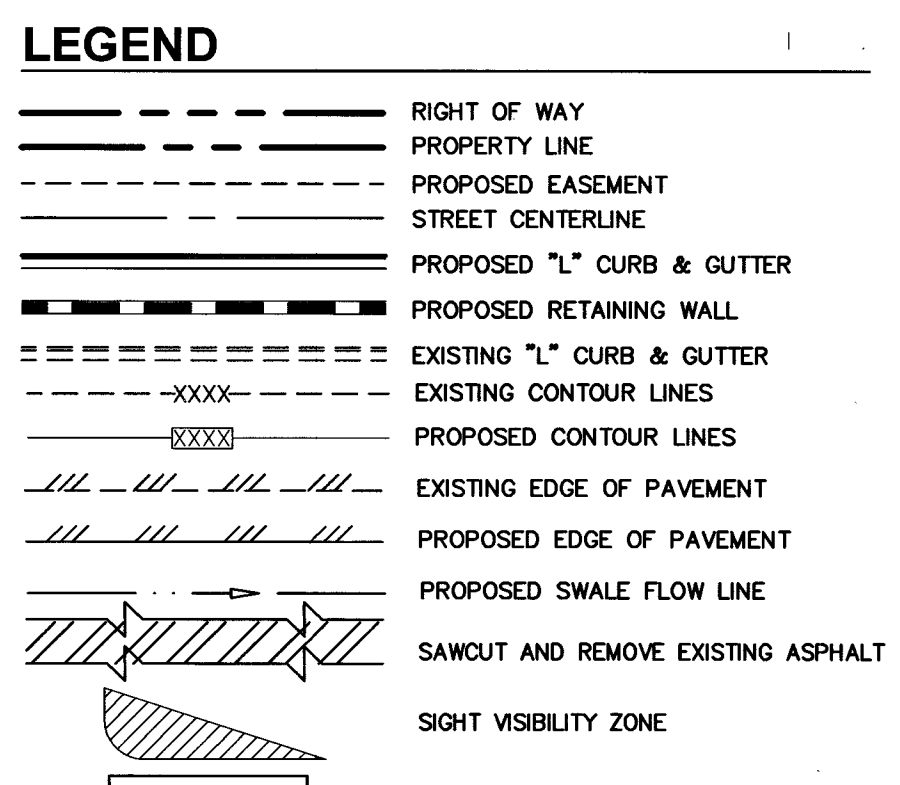
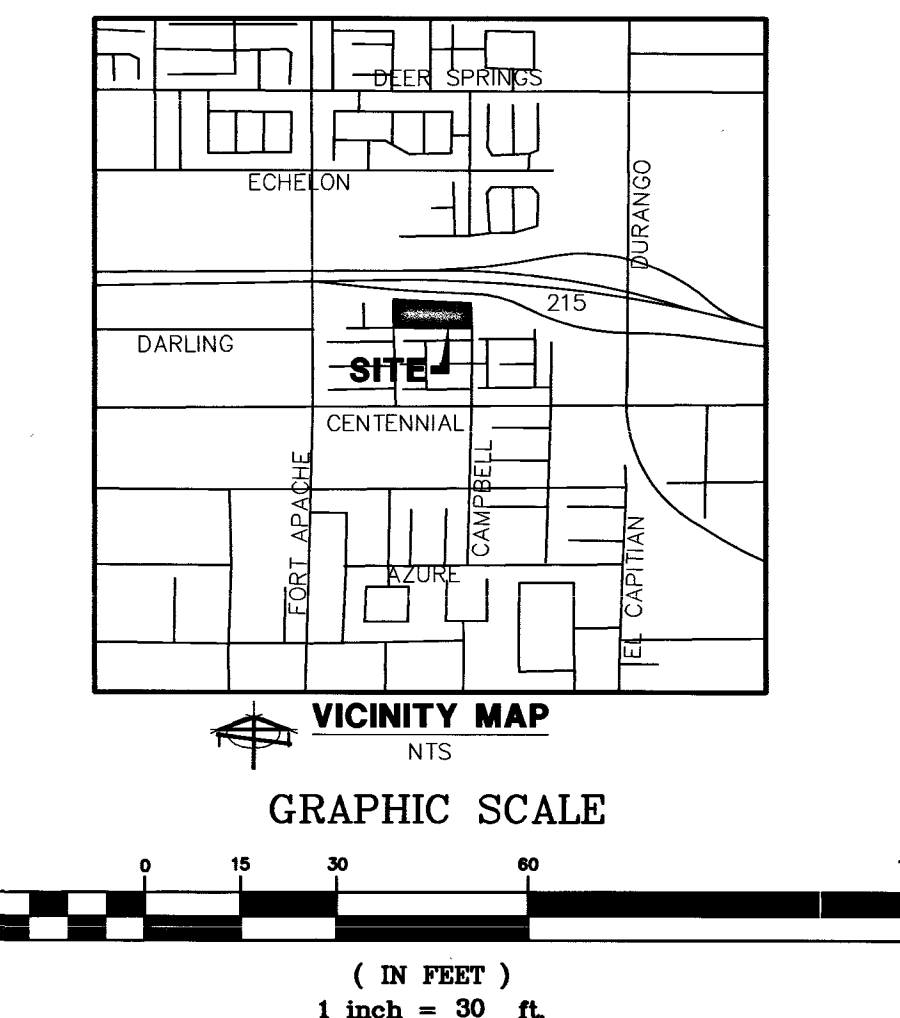
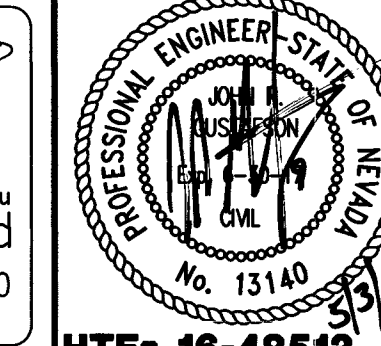
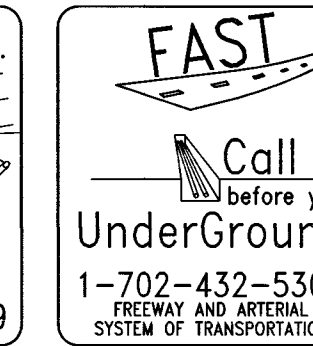
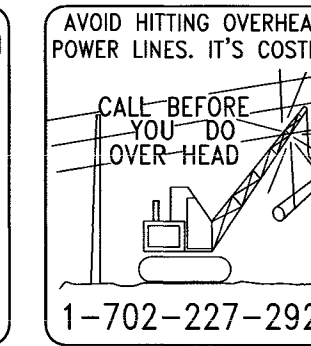
01/05/15

NOTE:

"ANY EXCAVATION EXPOSING LVVWD FACILITIES 24" IN DIAMETER AND LARGER MUST REMAIN OPEN UNTIL INSPECTED BY LVVWD. NO BACKFILL MATERIAL IS TO BE PLACED IN THE EXCAVATION UNTIL APPROVED BY THE LVVWD INSPECTOR. ANY DAMAGE TO THE FACILITIES MUST BE REPORTED TO LVVWD IMMEDIATELY. CONTRACTOR TO CALL 702-285-7171 TO SCHEDULE LVVWD INSPECTION."

DISCLAIMER NOTE

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CLARK COUNTY
DEPARTMENT OF PUBLIC WORKS
DEVELOPMENT REVIEW
ACCEPTANCE OF PLANS FOR FILING

BY
ACCEPTANCE OF THESE PLANS FOR FILING SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS AND / OR SPECIFICATIONS. CLARK COUNTY SHALL BE HELD FREE FROM DAMAGES WHICH MAY RESULT FROM THE CONSTRUCTION OF THE IMPROVEMENTS FROM THE ENGINEERING DESIGN DEPICTED HEREIN. NOTE: POWER POLES AND / OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO CLARK COUNTY.

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: _____ PROJECT NO. 125087
LVVWD APPROVED FIRE FLOW 1500 GPM AT 20 PSI RESIDUAL

8-69853 307V1127

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811

FAST UnderGround
Call before you Dig
1-702-432-5300
FREEWAY AND AIRPORT SYSTEM OF TRANSPORTATION

PROFESSIONAL ENGINEER
STATE OF NEVADA
No. 13140
HTE# 16-48513

PREPARED FOR: **TEMPLETON**

DATE: 05/03/2017

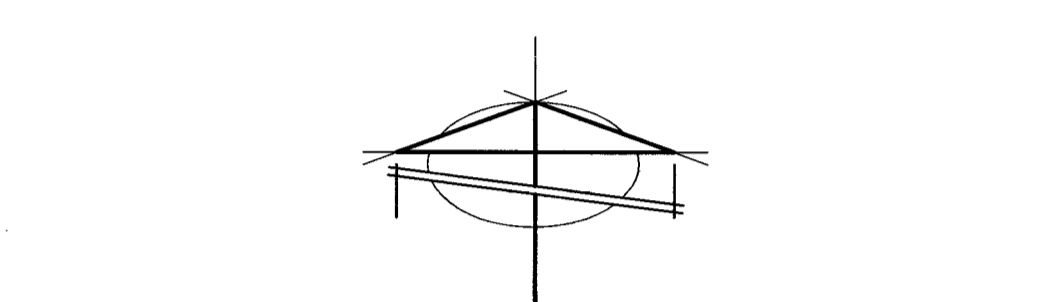
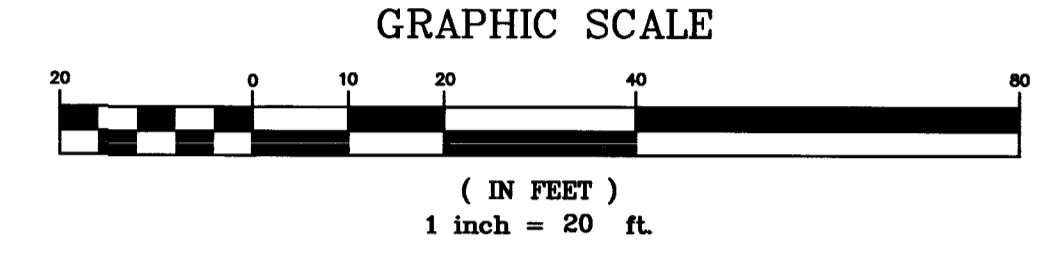
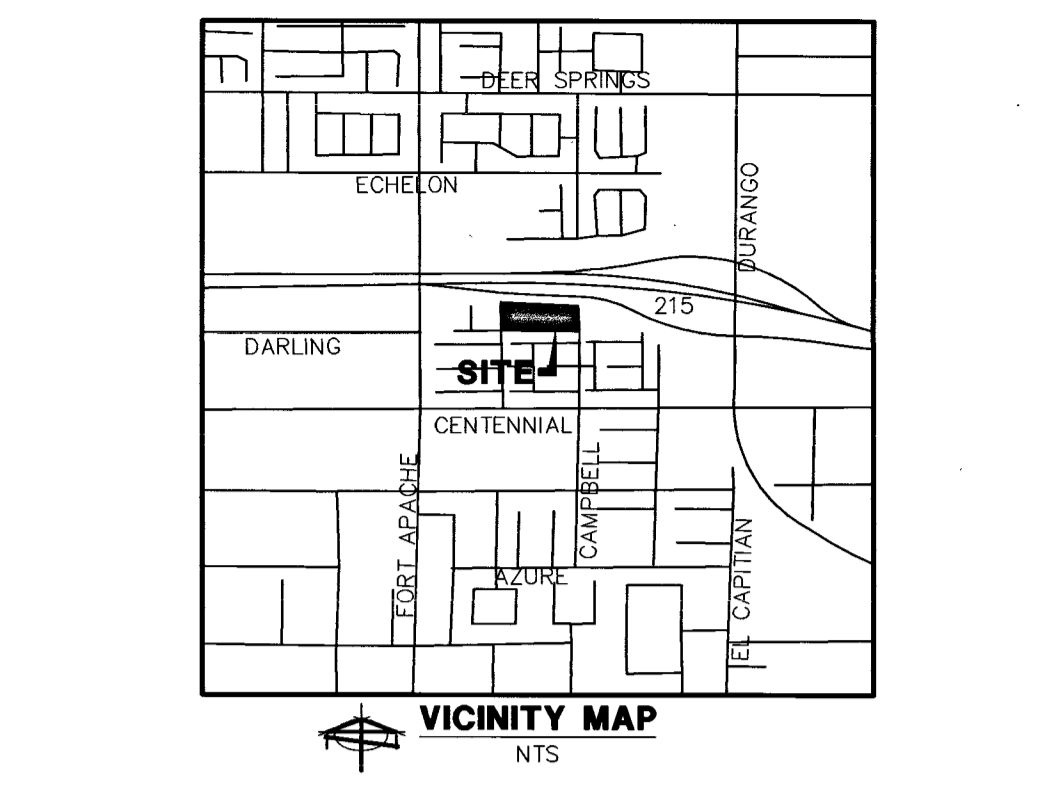
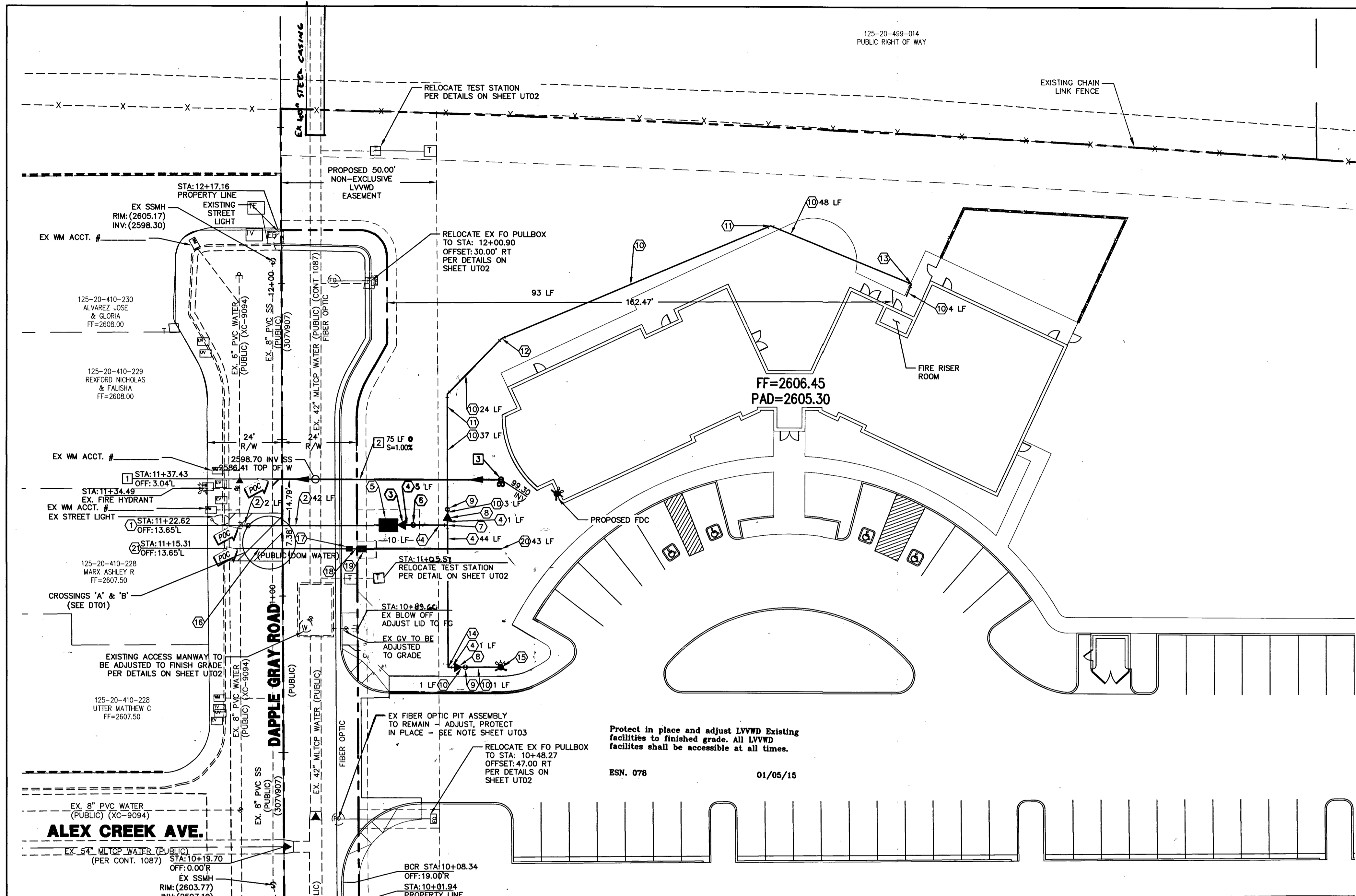
DESIGN: BAUGHMAN & TURNER, INC. CIVIL ENGINEERS
DRAWN: M.J. BAUGHMAN
CHECKED: J.R.G. BAUGHMAN
SCALE: 1"=30'

LAND PLANNERS: LAS VEGAS, NEVADA 89102
LAND SURVEYORS: LAS VEGAS, NEVADA 89102
PHONE: (702) 870-8771 FAX: (702) 878-2895

SHEPHERD OF THE HILLS CHURCH
SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B. & M., CLARK COUNTY
APN: 125-20-401-003 & 005

SHEET **PP02**
6 of 12
PROJ. NO. Shepard

N:\Shepard of the Hills_shepherd Church\DWG\MP02\MS_Sheph-PP01.dwg, PP02, 5/3/2017 9:24:51 AM



SEWER CONSTRUCTION NOTES			UNIT	QUANTITY
#	ITEM		PUBLIC	PRIVATE
1	INSTALL LATERAL PER DCSWCS 3.17 AND SD 22		EA	1
2	INSTALL 6" PVC (C-900) SEWER PIPE PER DCSWCS SD-17, SD-22, SD-25		LF	75
3	INSTALL 6" CLEANOUT PER DCSWCS SD-26		EA	1

APPROVALS

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE: _____ PROJECT NO. 125087

LVWD APPROVED FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL

Clark County Fire Department 5/17/2017

CLARK COUNTY FIRE DEPARTMENT

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS. FIRE FLOW 1,500 GPM @ 20 PSI RESIDUAL.

4-69853 307V1127

DISCLAIMER NOTE

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1-800-227-2600

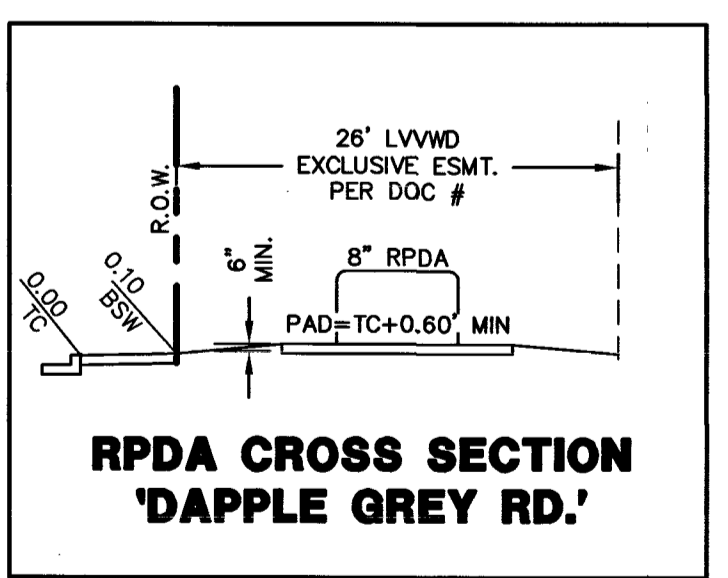
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVER-HEAD
1-702-227-2929

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

REGISTERED PROFESSIONAL ENGINEER
No. 13140
HTE# 16-48513

CITY OF LAS VEGAS SEWER NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATIONS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEER.
- CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
- POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II AGGREGATE BASE.
- ALL MANHOLES PAVED IN STREETS EIGHTY (80') FOOT R/W AND LARGER SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN EIGHTY (80') FOOT R/W WILL REQUIRE RETROFIT IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.
- TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCH (12") DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y" S SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.
- WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVWD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCH (18") UNDER A WATER MAIN.
- ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A" CONTRACTORS.
- THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS AT ANY LOCATION. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED OR REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.
- INSTALLATION OF CURVED SEWER REQUIRES THE USE OF C-900 PVC PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.



FIRE FLOW DATA TABLE

BUILDING #	1	2
1. SQUARE FOOTAGE:	7,050	
2. HEIGHT:	28' MAX	
3. TYPE OF CONSTRUCTION:	V-B	
4. SPRINKLER SYSTEM:	YES	
5. CALCULATED FIRE FLOW @ 20psi:	1500	
6. OCCUPANCY:	A-3	
7. # OF STORIES (INCLUDING BASEMENT):	1	
8. SPRINKLER SYSTEM TYPE:	-	
9. HIGH PILE STORAGE:	NO	

WATER CONSTRUCTION NOTES

ITEM	QUANTITIES		
	UNIT	PUBLIC	PRIVATE
1. INSTALL 8" X 8" TAPPING SLEEVE W/ 8" TAPPING VALVE REF. UDACS SECTION 2.24.01.A	EA	1	-
2. INSTALL 8" PVC (C-900) CLASS 150 WATER LINE	LF	4	-
3. INSTALL 10" X 8" REDUCER PER UDACS PLATE #30	EA	-	1
4. INSTALL 10" PVC (C-900) CLASS 150 WATER LINE	LF	-	57
5. INSTALL 8" RPDA PER PLATE #56 (PUBLIC)	EA	1	-
6. INSTALL 10" GATE VALVE PER UDACS PLATE #39 & 30	EA	-	1
7. INSTALL 10" X 10" TEE WITH THRUST BLOCK PER UDACS PLATE #31	EA	-	1
8. INSTALL 10" X 6" REDUCER PER UDACS PLATE #30	EA	-	2
9. INSTALL 6" GATE VALVE PER UDACS PLATE #39 & 30	EA	-	1
10. INSTALL 6" PVC (C-900) CLASS 150 WATER LINE	LF	-	224
11. INSTALL 6" 45° BEND PER UDACS PLATE #31	EA	-	2
12. INSTALL 22.5° BEND PER UDACS PLATE #31	EA	-	1
13. INSTALL 6" 90° BEND WITH THRUST BLOCK PER UDACS PLT. #31	EA	-	1
14. INSTALL 10" 90° BEND WITH THRUST BLOCK PER UDACS PLT. #31	EA	-	1
15. INSTALL HYDRANT ASSEMBLY W/ GATE VALVE PER UDACS PLATE #40	EA	-	1
16. INSTALL 1-1/2" COPPER TYPE "K" WATER LATERAL PER UDACS PLATE #4	LF	34	-
17. INSTALL 1-1/2" METER PER UDACS PLATE #4 (PUBLIC)	EA	1	-
18. INSTALL 1-1/2" RED BRASS LINE BETWEEN METER AND RPPA	LF	2	-
19. INSTALL 1-1/2" RPPA PER UDACS PLATE #8 (PUBLIC)	EA	1	-
20. INSTALL 1-1/2" PVC CLASS 150 WATER LINE (PRIVATE)	LF	-	43
21. INSTALL 8" X 1-1/2" SERVICE SADDLE PER UDACS PLATE #4	EA	1	-

OWNER
CHURCH SHEPARD HILLS LUTHERAN
7501 TILE SPRINGS RD #150
LAS VEGAS, NV 89131

BASIS OF BEARING
N 89°30'38" E - BEING THE SOUTH LINE THE SOUTHWEST QUARTER OF SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, EXCEPTING THEREFROM THAT PORTION CONVEYED TO THE COUNTY OF CLARK FOR LAS VEGAS BELTWAY BY DEDICATION RECORDED MARCH 23, 2004 IN BOOK 20040323 AS INSTRUMENT NUMBER 02092 OF OFFICIAL RECORDS. APN: 125-20-401-003

LEGAL DESCRIPTION
PARCEL 1:
THE WEST HALF (W 1/2) OF THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M. D. M., CLARK COUNTY, NEVADA, EXCEPTING THEREFROM THAT PORTION CONVEYED TO THE COUNTY OF CLARK FOR LAS VEGAS BELTWAY BY DEDICATION RECORDED MARCH 23, 2004 IN BOOK 20040323 AS INSTRUMENT NUMBER 02092 OF OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

PARCEL 2:
THE SOUTHWEST QUARTER (SE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B. & M., CLARK COUNTY, NEVADA, EXCEPTING THEREFROM THAT PORTION OF SAID LAND AS CONVEYED TO CLARK COUNTY BY DEED RECORDED OCTOBER 29, 1990 IN BOOK 901029 AS DOCUMENT NO. 00936, OFFICIAL RECORDS, FURTHER EXCEPTING THEREFROM THAT PORTION OF SAID LAND AS DEDICATED TO COUNTY OF CLARK BY A DEDICATION RECORDED MARCH 23, 2004 IN BOOK 20040323 AS DOCUMENT NO. 02092, IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA.

DATE: 05/03/2017
DESIGN: M/J
DRAWN: JRG
CHECK: JRG
SCALE: 1"=20'

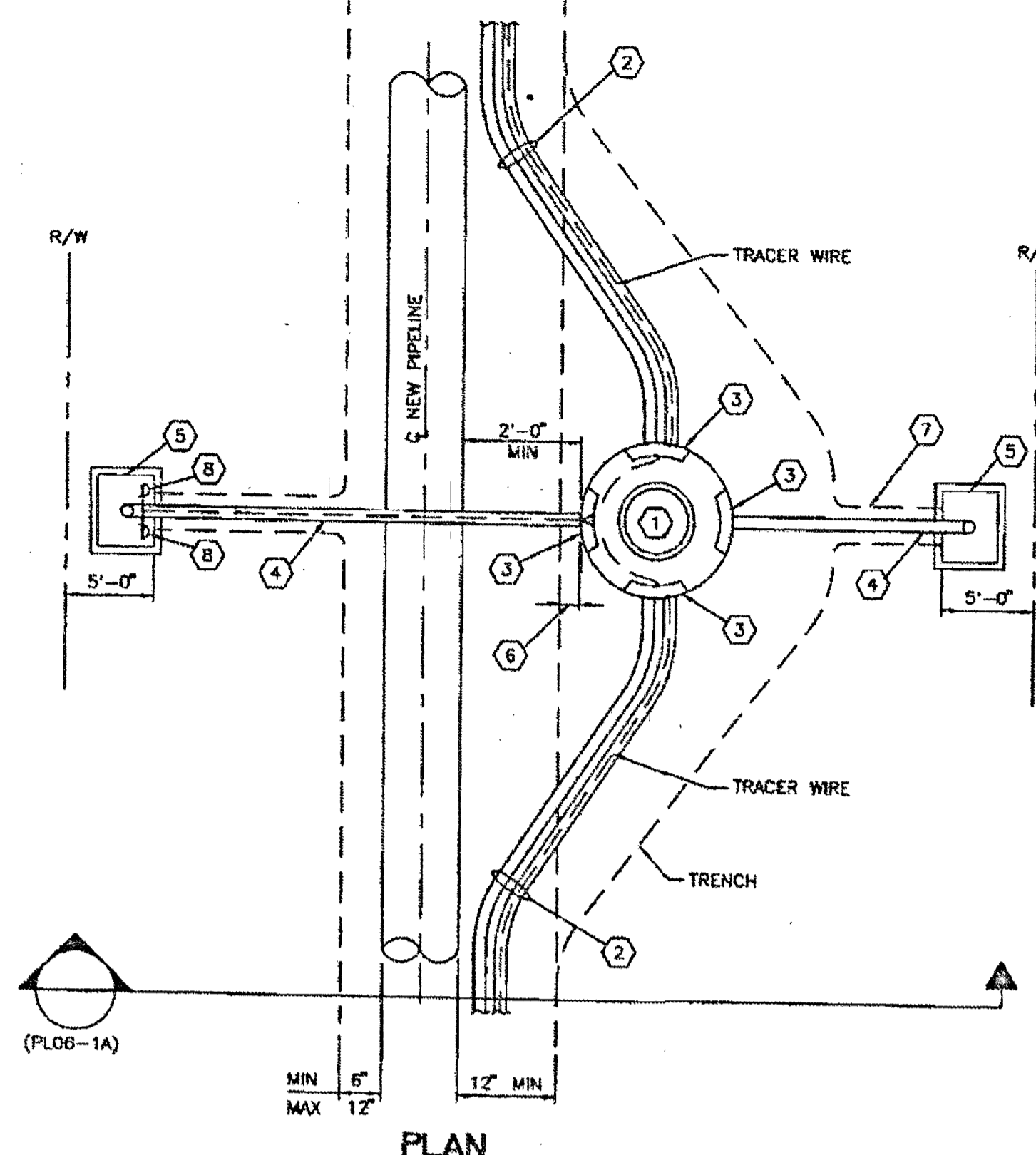
PREPARED FOR: **TEMPLETON**

BAUGHMAN & TURNER, INC.
CIVIL ENGINEERS
1210 HINSON STREET
LAS VEGAS, NEVADA 89102
PHONE: (702) 870-8771 FAX: (702) 878-2695

SHEPHERD OF THE HILLS CHURCH
UTILITY PLAN 1
SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B. & M., NEVADA
CLARK COUNTY

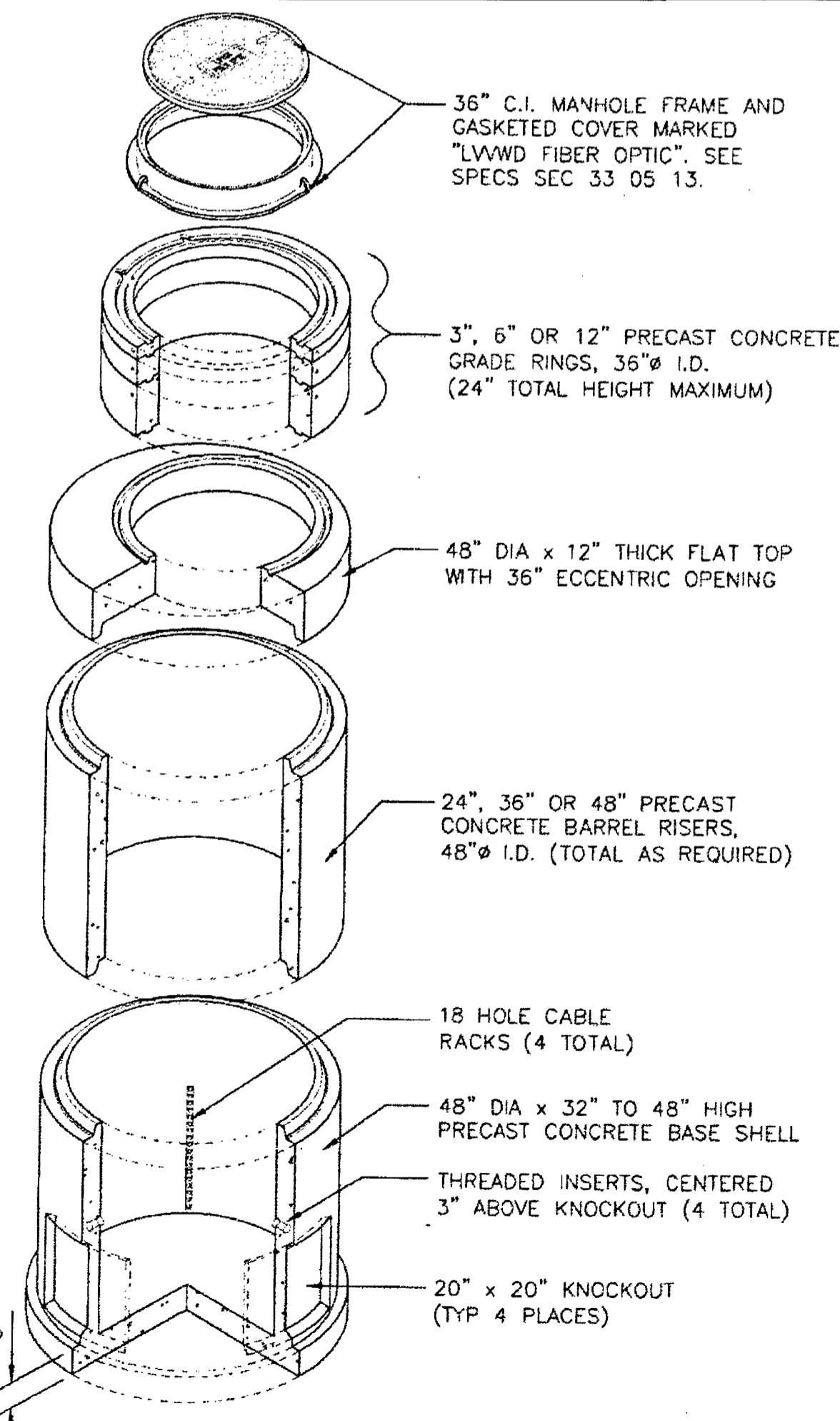
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SHEET **UT01**
8 of 12
PROJ. NO. Shepard

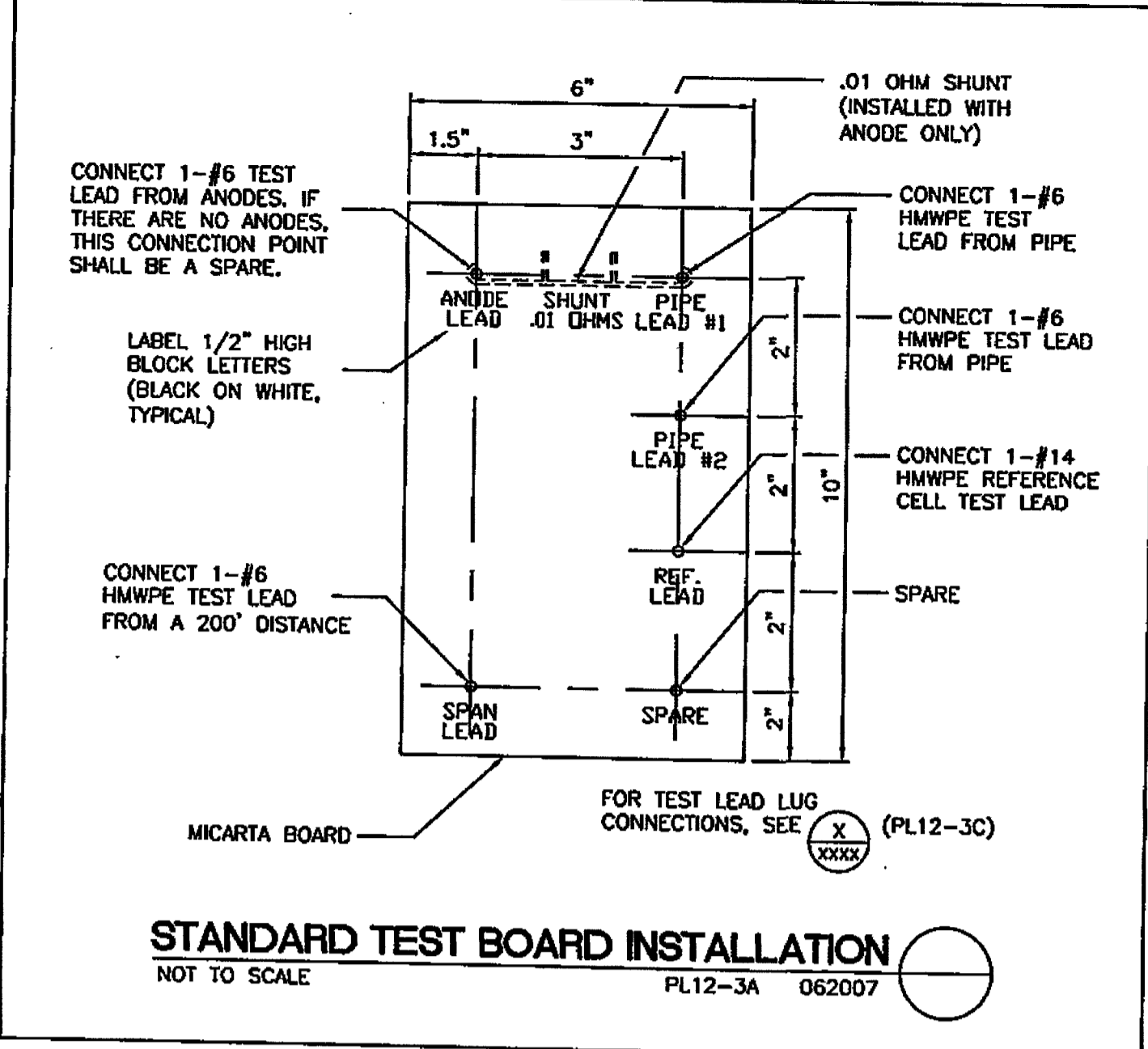


- DESIGNER NOTE:**
INSTALLATION OF BOTH FIBER OPTIC PULLBOXES SHALL BE DETERMINED BY LVWD ENGINEER PER PROJECT REQUIREMENTS (TYP)
- LEGEND:**
- FIBER SPLICE PIT ASSEMBLY. SEE SPECS AND DETAIL (X XXXX)
 - 2-4" CONDUITS, SCHEDULE 40 PVC, SWEEP UP TO (PLO6-3) SPLICE PIT ENTRY.
 - PENETRATE AND CAP CONDUIT AT SPLICE PIT. SEE DETAIL (X XXXX)
 - 1-4" CONDUIT, SCHEDULE 40 PVC, UP TO #5 CONCRETE PULLBOX AT EDGE OF RIGHT-OF-WAY. (WHERE RIGHT-OF-WAY IS EXISTING OR OBTAINED).
 - CLARK COUNTY UNIFORM STANDARD DRAWING NO. 326 #5 CONCRETE PULLBOX WITH CONCRETE COLLAR/PANEL (SEE NOTE) MARKED "LVWD FIBER OPTIC", H2O LOADING BOLT-DOWN GASKETED STEEL COVER. (TO BE REPLACED WHEN RIGHT-OF-WAY IS FULLY DEVELOPED).
 - ACTUAL DISTANCE BETWEEN FIBER SPLICE PIT AND EDGE OF PIPE TRENCH TO BE DETERMINED BY SOIL CONDITIONS, BUT SHALL NOT BE LESS THAN 1'-0".
 - TRENCH AS REQUIRED (12" MIN) FROM SPLICE PIT TO PULLBOX NEAR EDGE OF RIGHT-OF-WAY.
 - COIL 45' OF TRACER WIRE. STRIP 3/4" OF INSULATION OF EACH TRACER AND TWIST A SEALANT-FILLED WIRE-NUT ON EACH TRACER TO PREVENT MOISTURE BUT ALLOW WIRE-NUT TO BE EASILY REMOVED FOR FUTURE USE.
- NOTE:**
UNIMPROVED AREAS INSTALL 12" WIDE x 4" THICK CONCRETE COLLAR. IMPROVED AREAS INSTALL NEW SIDEWALK PANEL AS REQUIRED.

FIBER OPTIC PULLBOX LOCATION
NOT TO SCALE
FLO6-1 070208

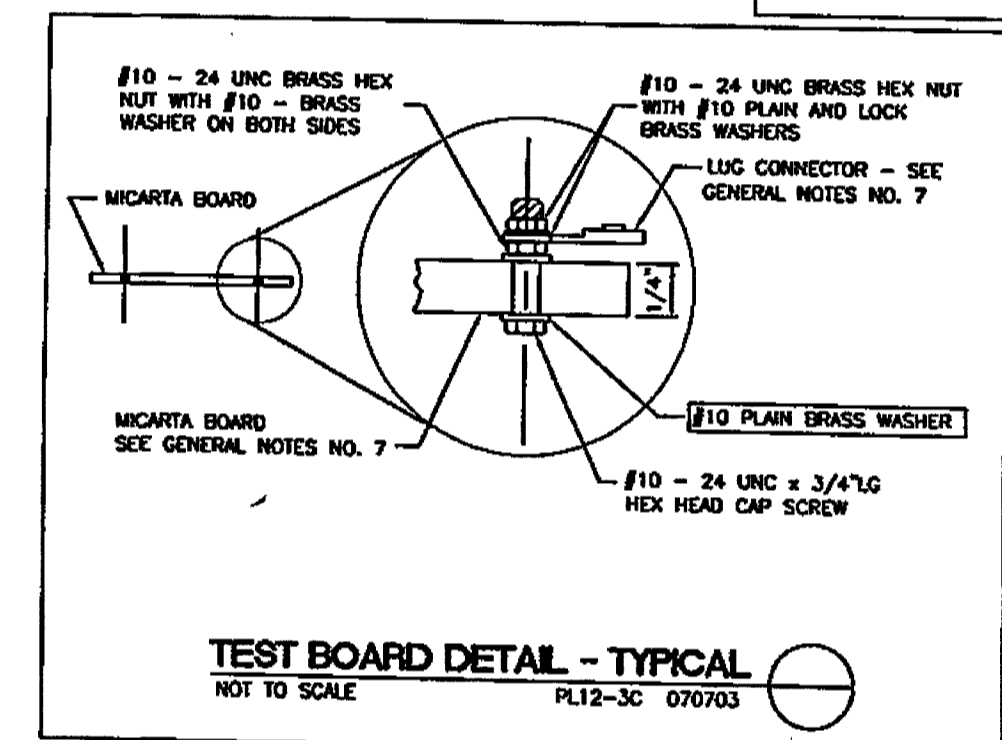


- NOTES:**
- ENTIRE PIT ASSEMBLY AND CONDUIT INSTALLATION SHALL BE CLEAN AND DRY AT TIME OF ACCEPTANCE.
 - BACKFILL AROUND PIT ASSEMBLY IN ACCORDANCE WITH SPEC SEC 31 20 00.
 - INSTALL LADDER ASSEMBLY IN SPLICE PIT ASSEMBLIES DEEPER THAN 4'-0", SEE (X XXXX) (PLO5-6)
 - FINAL MANHOLE FRAME ADJUSTMENT AND CONCRETE COLLAR INSTALLATION REQUIREMENTS, SEE (X XXXX) (PLO8-4)
 - INSTALL 3' DIA x 3' DEEP DRAIN GRAVEL PACK UNDER 12" DRAIN HOLE AND COVER (CENTERED).

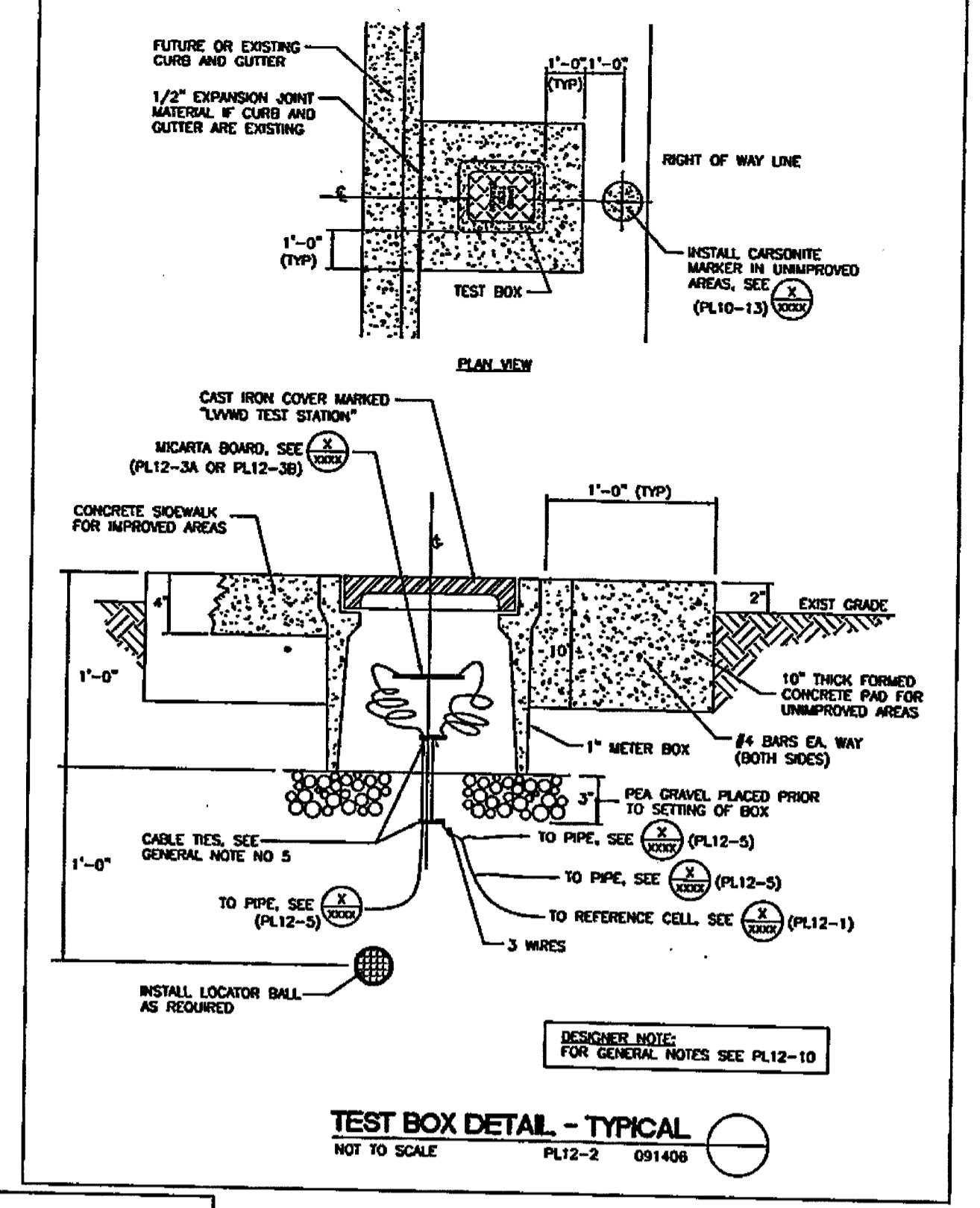


(ADD DETAIL TO PLAN SET FOR RELOCATION)

- PROCEDURES TO RELOCATE A CORROSION TEST STATION:**
- Expose the test station(s) and label all leads according to the TYPICAL TEST BOARD DETAIL.
 - The leads that are connected to the pipe require #8 copper wire with a HMWPE jacket such as Raychem Permarad.
 - The lead that is connected to the reference cell requires #14 copper wire with a HMWPE jacket such as Raychem Permarad.
 - Connect the two wires to be spliced with a copper butt connection using the proper crimping tool.
 - Make each splice using a Scotchcast resin splicing kit, Duro-cast universal splice kit, or a Raychem anode splice encapsulation kit.
 - Reconnect the test board to proper leads, and place the test box at the new site.
 - The test box at the new site will be installed according to the TYPICAL TEST BOX DETAIL.
 - All test leads and anode leads inside the test box shall be bundled together at 8 inch intervals with nylon ties and shall be provided with a minimum of 4 feet of slack.
 - All test leads and anode leads shall be color coded with colored tape at each end, and at 4 feet intervals.
 - Relocated test station to be tested by certified Cathodic Protection Specialist, Corrosion Specialist, or registered Professional Corrosion Engineer. Results to be submitted in writing to LVWD Construction Division.



- GENERAL NOTES**
- ALL TEST LEADS AND ANODE LEADS SHALL BE COLOR CODED WITH COLORED TAPE AT EACH END AND AT 4 FOOT INTERVALS. COLOR CODE SHALL BE AS FOLLOWS:
- | | |
|------------------------------|-------|
| TEST STATION LEADS FROM PIPE | WHITE |
| REFERENCE CELL TEST LEADS | RED |
| ANODE TEST LEADS | GREEN |
| 200' TEST LEAD | BLUE |
- ALL TEST LEADS AND ANODE LEADS SHALL BE CONNECTED TO THE BRASS BOLTS ON THE TEST BOARD WITH SOLDERLESS SCREW TIGHT COPPER LUG CONNECTORS OR PRESSURE TERMINALS.



APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: _____ PROJECT NO. 125087
LVWD APPROVED FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL

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FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

HTE# 16-48513

DATE: 05/03/2017
DESIGN: MJ
DRAWN: MJ
CHECK: JRG
SCALE:

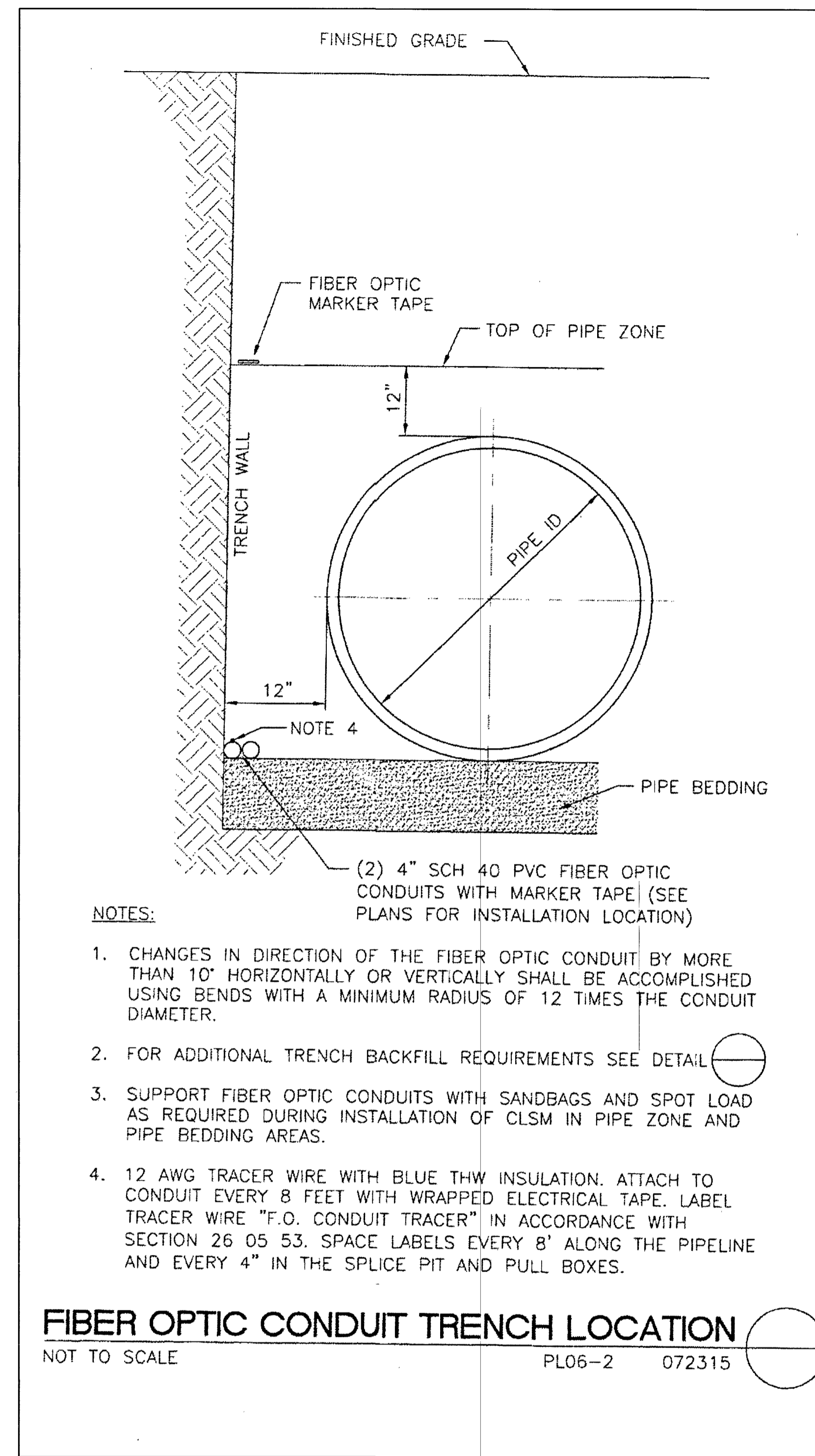
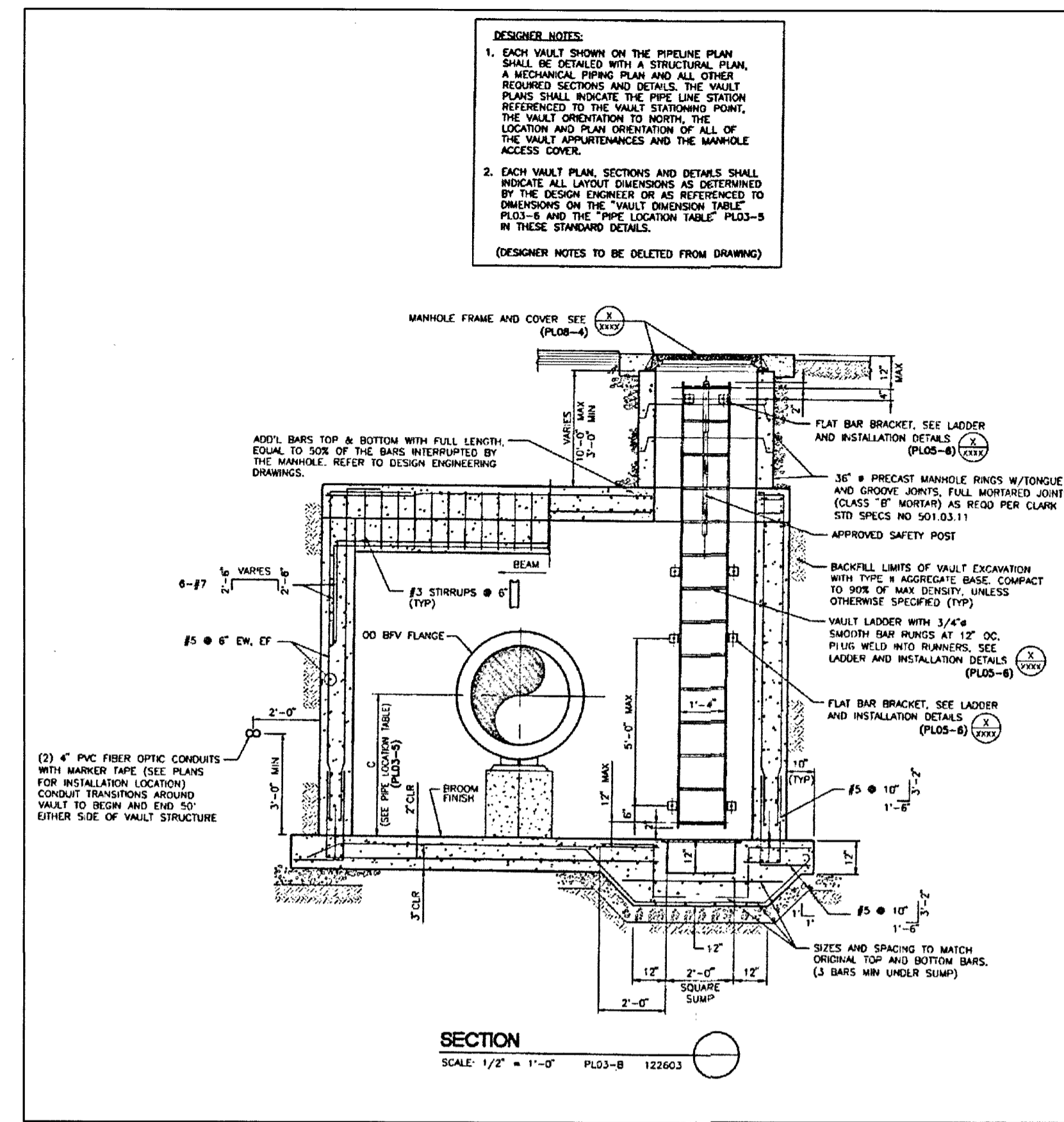
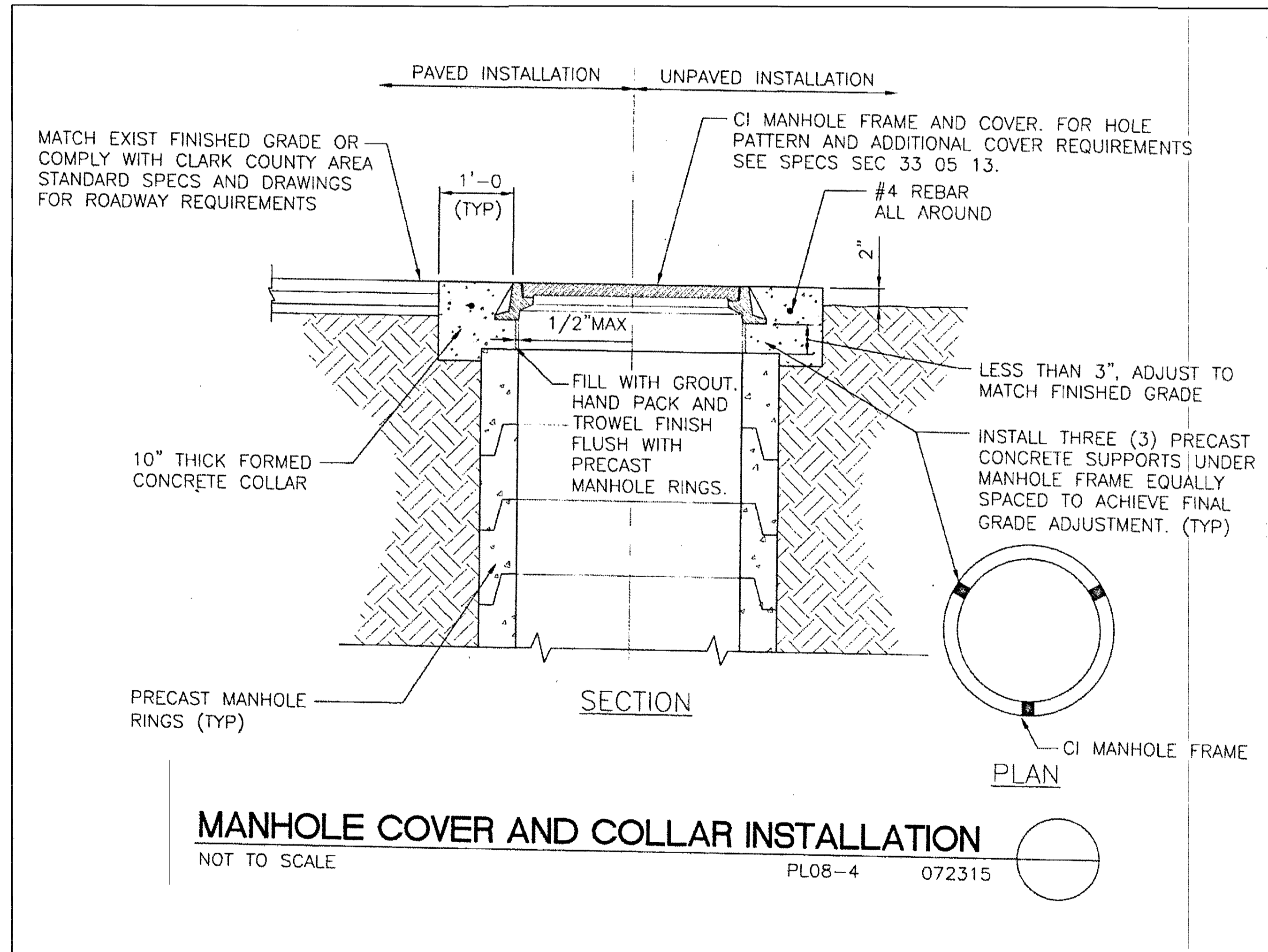
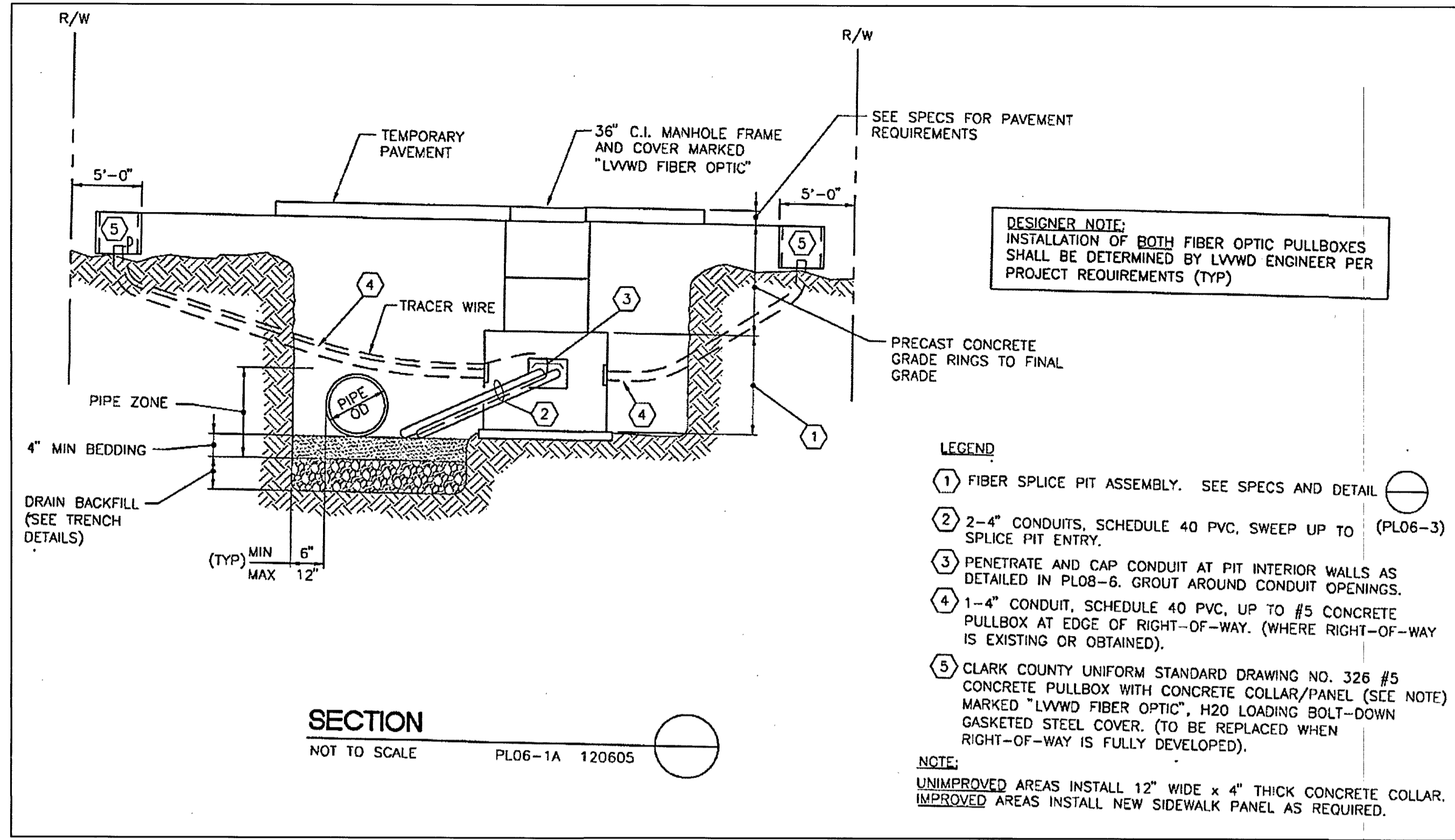
PREPARED FOR: **TEMPLETON**

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CIVIL ENGINEERS
LAND SURVEYORS
LAND PLANNERS
LAS VEGAS, NEVADA
PHONE: (702) 870-8771 FAX: (702) 878-2695 89102

SHEPHERD OF THE HILLS CHURCH
UTILITY DETAILS 1
SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B. & M. NEVADA
CLARK COUNTY

MSM-0001-17

SHEET **UT02**
9 of 12
PROJ. NO. Shepard



APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE: _____ PROJECT NO. 125087

LVWD APPROVED FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL

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811 Call before you Dig

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

FAST Call before you UnderGround

PROFESSIONAL ENGINEER - STATE OF NEVADA

1-800-227-2600

1-702-227-2929

1-702-432-5300

HTE-16-48513

DATE: 05/03/2017

DESIGN: MJ

DRAWN: MJ

CHECK: JRG

SCALE: NTS

PREPARED FOR: TEMPLETON

BAUGHMAN & TURNER, INC.

CIVIL ENGINEERS LAND PLANNERS LAND SURVEYORS

1210 HINSON STREET LAS VEGAS, NEVADA 89102

PHONE: (702) 870-8771 FAX: (702) 878-2695

SHEPHERD OF THE HILLS CHURCH UTILITY DETAILS 2

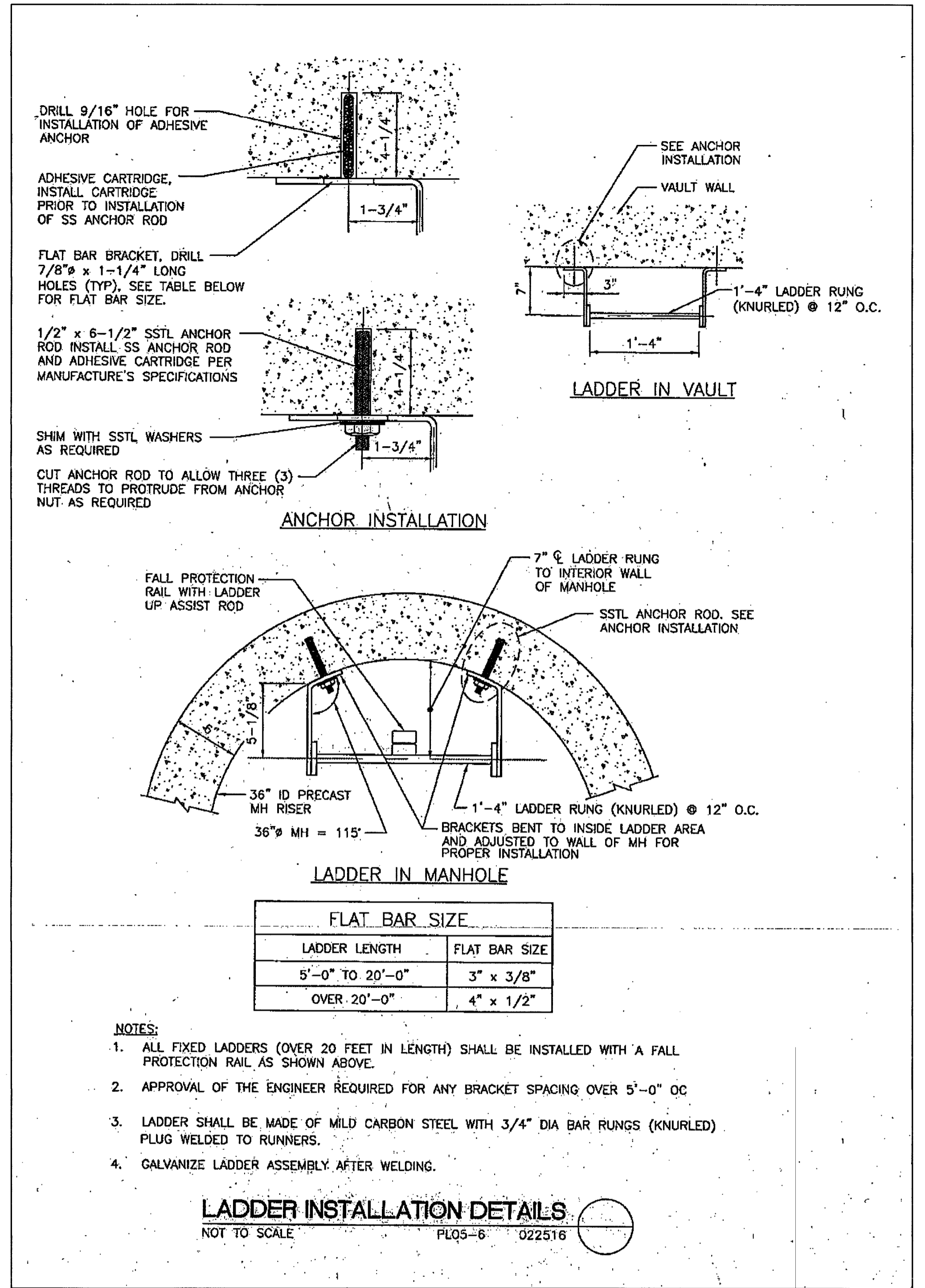
SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B. & M. NEVADA CLARK COUNTY

MSM-0001-17

SHEET UT03 10 of 12

PROJ. NO. Shepard

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APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
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FREIGHTWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

PROFESSIONAL ENGINEER STATE OF NEVADA
No. 13140
5/19/17
HTE-16-48513

L-69853 307V 1127

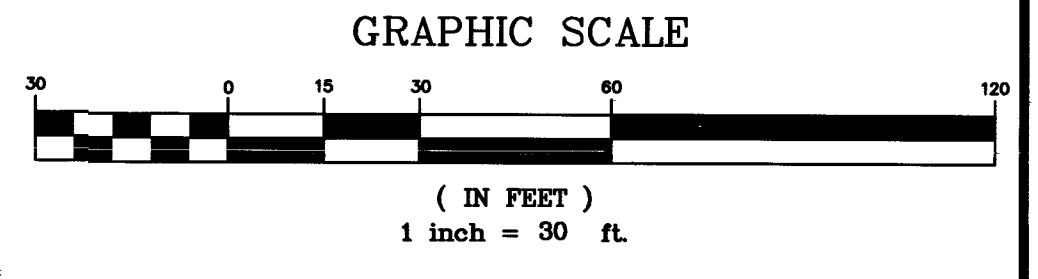
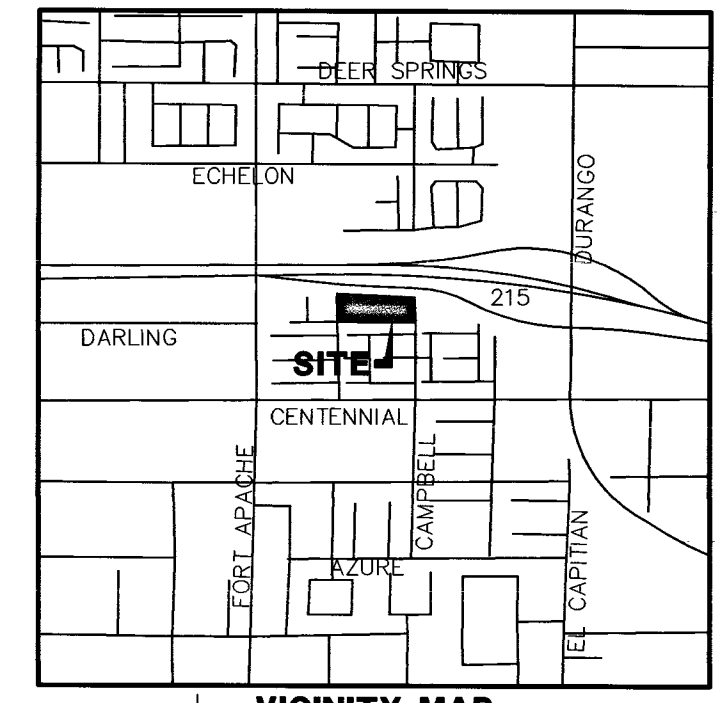
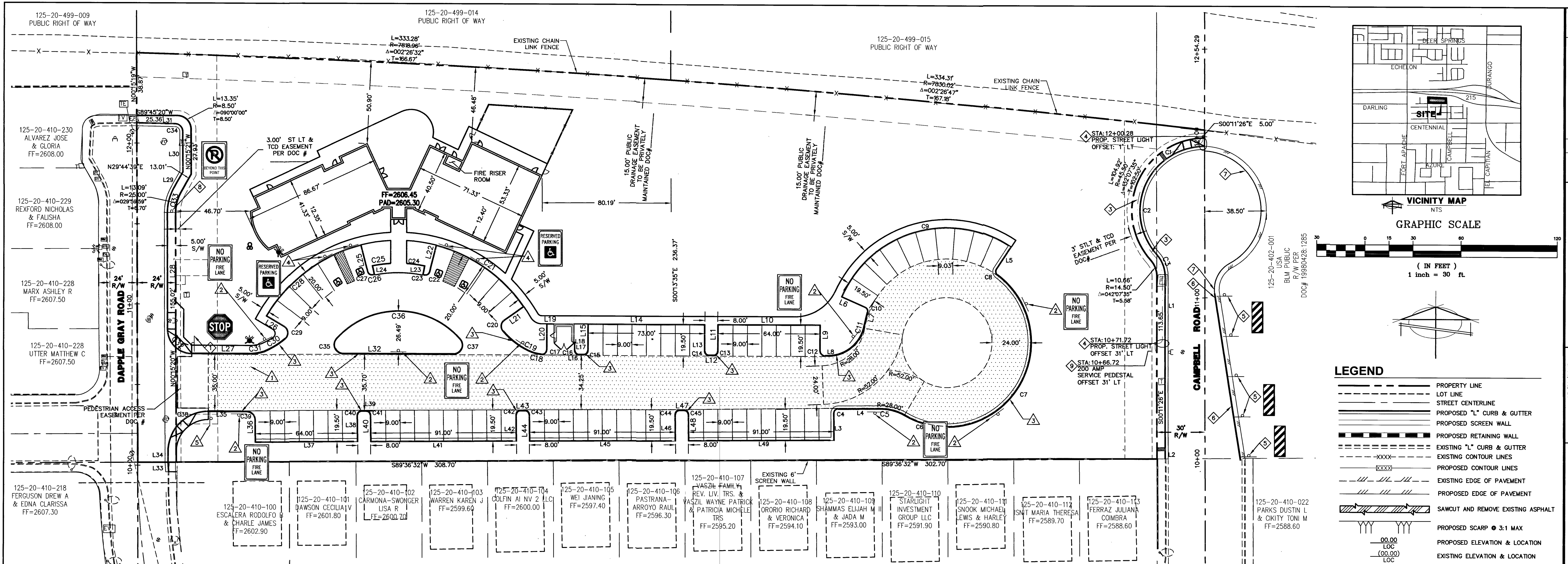
SHEPHERD OF THE HILLS CHURCH
UTILITY DETAILS 2
SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B. & M. NEVADA
CLARK COUNTY
MSM-0001-17

SHEET
UT04
11 of 12
PROJ. NO.
Shepard

BAUGHMAN & TURNER, INC.
CIVIL ENGINEERS
1210 HINSON STREET
LAS VEGAS, NEVADA 89102
PHONE: (702) 870-8771
FAX: (702) 878-2895

PREPARED FOR:
TEMPLETON

DATE	NO.	REVISIONS
05/03/2017	MJ	
	MJ	
	BC	



LEGEND

	PROPERTY LINE
	LOT LINE
	STREET CENTERLINE
	PROPOSED "L" CURB & GUTTER
	PROPOSED SCREEN WALL
	PROPOSED RETAINING WALL
	EXISTING "L" CURB & GUTTER
	EXISTING CONTOUR LINES
	PROPOSED CONTOUR LINES
	EXISTING EDGE OF PAVEMENT
	PROPOSED EDGE OF PAVEMENT
	SAWCUT AND REMOVE EXISTING ASPHALT
	PROPOSED SCARP @ 3:1 MAX
	PROPOSED ELEVATION & LOCATION
	EXISTING ELEVATION & LOCATION
	PROPOSED GRADE
	DEPTH OF FLOW
	CONSTRUCTION NOTE
	EXISTING HYDRANT
	PULL BOX
	CENTERLINE TOP OF CURB
	SIDEWALK
	EDGE OF PAVEMENT
	FINISHED GRADE
	GRADE BREAK
	FLOW LINE ELEVATION
	PIPE INVERT
	ASPHALTIC CONCRETE
	TOP OF STEM WALL
	TOP OF CONCRETE SLAB
	LANDSCAPING
	FINISHED FLOOR
	HIGHPOINT

LINE TABLE

LINE #	LENGTH	BEARING
L1	106.65	S01°12'6"E
L2	5.00	S01°12'6"E
L3	17.00	N02°32'28"W
L4	26.52	N89°36'32"E
L5	16.58	N33°32'21"E
L6	16.16	N68°07'31"W
L7	8.34	N13°31'14"E
L8	1.78	S89°53'48"E
L9	16.00	S0°00'00"E
L10	64.00	N90°00'00"E
L11	16.50	N0°00'00"E
L12	3.00	N90°00'00"E
L13	16.50	S0°00'00"E
L14	73.00	N90°00'00"E
L15	16.50	N0°00'00"E
L16	3.00	N90°00'00"E
L17	5.17	S0°00'00"E
L18	0.50	N90°00'00"E
L19	4.50	N90°00'00"E
L20	16.00	N0°00'15"W

LINE TABLE

LINE #	LENGTH	BEARING
L21	14.80	S54°52'58"W
L22	17.06	N14°31'30"E
L23	5.50	S11°18'33"W
L24	5.50	S11°18'33"E
L25	17.06	N14°31'30"W
L26	13.00	S59°27'08"E
L27	36.05	N90°00'00"E
L28	72.57	N01°5'20"W
L29	11.67	N29°44'39"E
L30	25.13	N01°5'21"W
L31	23.89	N88°53'57"W
L32	68.66	N90°00'00"E
L33	6.11	S3°53'40"E
L34	6.41	S01°5'20"E
L35	24.05	N90°00'00"E
L36	14.03	S02°3'28"E
L37	61.50	N89°36'32"E
L38	16.50	N0°23'28"W
L39	3.00	N89°36'32"E
L40	16.50	S02°3'28"E

LINE TABLE

LINE #	LENGTH	BEARING
L41	88.50	N89°36'32"E
L42	16.50	N0°23'28"W
L43	3.00	N89°36'32"E
L44	16.50	S0°23'28"E
L45	88.50	N89°36'32"E
L46	16.50	N0°23'28"W
L47	3.00	N89°36'32"E
L48	16.50	S0°23'28"E
L49	88.50	N89°36'32"E

CURVE TABLE

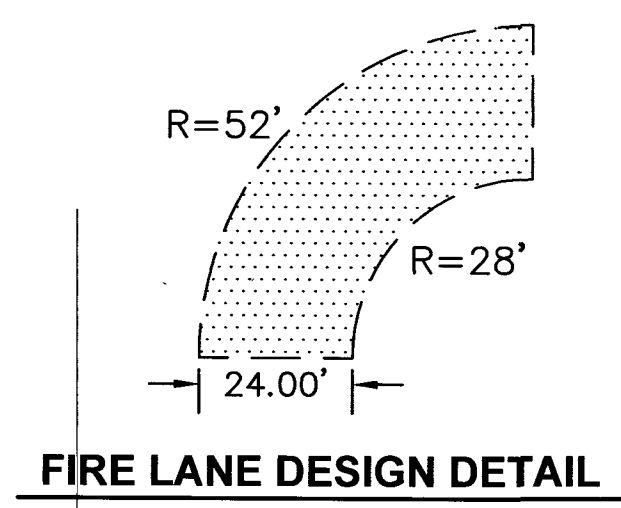
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C1	25.29'	40.50'	35°46'48"	13.07'
C2	66.10'	40.50'	93°31'01"	43.07'
C3	14.34'	19.50'	42°07'35"	7.51'
C4	3.93'	2.50'	90°00'00"	2.50'
C5	15.87'	30.00'	301°8'36"	8.13'
C6	26.41'	52.50'	28°49'39"	13.49'
C7	130.34'	52.50'	142°14'33"	153.53'
C8	3.79'	2.50'	86°52'24"	2.37'
C9	125.87'	71.50'	100°52'00"	86.53'
C10	3.48'	2.50'	79°38'46"	2.08'
C11	32.11'	22.92'	80°15'38"	19.32'
C12	4.71'	3.00'	89°53'48"	2.99'
C13	3.93'	2.50'	90°00'00"	2.50'
C14	3.93'	2.50'	90°00'00"	2.50'
C15	3.93'	2.50'	90°00'00"	2.50'
C16	3.93'	2.50'	90°00'00"	2.50'
C17	5.01'	3.00'	95°45'01"	3.32'
C18	8.22'	24.00'	19°36'44"	4.15'
C19	20.20'	48.19'	24°00'53"	10.25'
C20	7.50'	4.50'	95°30'35"	4.95'

CURVE TABLE

CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C21	68.12'	95.29'	40°57'33"	35.59'
C22	3.83'	2.50'	87°48'14"	2.41'
C23	0.85'	75.79'	0°38'29"	0.42'
C24	11.47'	81.29'	8°05'17"	5.75'
C25	11.61'	81.29'	81°05'57"	5.81'
C26	0.85'	75.79'	0°38'29"	0.42'
C27	3.83'	2.50'	87°48'14"	2.41'
C28	75.72'	95.29'	45°31'43"	39.99'
C29	8.50'	4.50'	108°14'38"	6.22'
C30	15.37'	48.19'	18°16'38"	7.75'
C31	9.31'	30.73'	17°21'50"	4.69'
C32	23.50'	15.00'	89°44'40"	14.93'
C33	15.71'	30.00'	29°59'59"	8.04'
C34	7.74'	5.00'	88°38'37"	4.88'
C35	12.62'	5.50'	131°25'49"	12.19'
C36	86.95'	51.29'	97°08'22"	58.11'
C37	12.62'	5.50'	131°25'49"	12.19'
C38	39.38'	25.00'	90°15'20"	25.11'
C39	7.82'	5.00'	89°36'32"	4.97'
C40	3.93'	2.50'	90°00'00"	2.50'

CURVE TABLE

CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C41	68.12'	95.29'	40°57'33"	35.59'
C42	3.83'	2.50'	87°48'14"	2.41'
C43	0.85'	75.79'	0°38'29"	0.42'
C44	11.47'	81.29'	8°05'17"	5.75'
C45	11.61'	81.29'	81°05'57"	5.81'
C46	0.85'	75.79'	0°38'29"	0.42'
C47	3.83'	2.50'	87°48'14"	2.41'
C48	75.72'	95.29'	45°31'43"	39.99'
C49	8.50'	4.50'	108°14'38"	6.22'
C50	15.37'	48.19'	18°16'38"	7.75'
C51	9.31'	30.73'	17°21'50"	4.69'
C52	23.50'	15.00'	89°44'40"	14.93'
C53	15.71'	30.00'	29°59'59"	8.04'
C54	7.74'	5.00'	88°38'37"	4.88'
C55	12.62'	5.50'	131°25'49"	12.19'
C56	86.95'	51.29'	97°08'22"	58.11'
C57	12.62'	5.50'	131°25'49"	12.19'
C58	39.38'	25.00'	90°15'20"	25.11'
C59	7.82'	5.00'	89°36'32"	4.97'
C60	3.93'	2.50'	90°00'00"	2.50'



STREETLIGHT CIRCUIT CAPACITY VERIFICATION FOR CIRCUIT "B"

IS THERE AN EXISTING SERVICE PEDESTAL IN THE FIELD (NOT PROPOSED) ADJACENT TO THIS PROPERTY THAT MIGHT BE ABLE TO BE USED TO POWER THIS PROJECT'S STREETLIGHTS? (CIRCLE)

YES CONTACT CLARK COUNTY TRAFFIC OPERATIONS AT 455-8000 TO PERFORM CIRCUIT CAPACITY VERIFICATION.

NO INSTALL A NEW SERVICE PEDESTAL

SERVICE LOCATION: CAMPBELL ROAD STA: 10+66.72 31' LT

CLARK COUNTY (COMPLETE F EXISTING SERVICE)

DATE OF CAPACITY VERIFICATION: _____

PERSON WHO DID THE VERIFICATION: _____

ENGINEER OF THE OFFSITE PLANS: _____

PERSON WHO DID THE CALCULATIONS: JOHN R. GUSTAFSON
CONSULTING ENGINEER FIRM: BAUGHMAN & TURNER INC.

CAPACITY CALCULATIONS

1	CIRCUIT CAPACITY	60	AMPS
2	MAXIMUM CONTINUOUS CURRENT DRAW (80%)	48	AMPS
3	EXISTING CURRENT LOAD (ENTER 0 IF NEW)	0	AMPS
4	AVAILABLE (2 MINUS 3)	48	AMPS

PROPOSED LUMINAIRE LOAD TO CIRCUIT

5	NUMBER OF 150 WATT STILTS @ 1.0 AMPS/EA	-	AMPS
6	NUMBER OF 250 WATT STILTS @ 1.5 AMPS/EA <td>3</td> <td>AMPS</td>	3	AMPS
7	TOTAL PROPOSED ADDITIONAL LOAD (5 + 6)	3	AMPS
	REMAINING AVAILABLE LOAD (4 MINUS 7)	45	AMPS

CLARK COUNTY DEPARTMENT OF PUBLIC WORKS ACCEPTED

TRAFFIC CONSTRUCTION NOTES

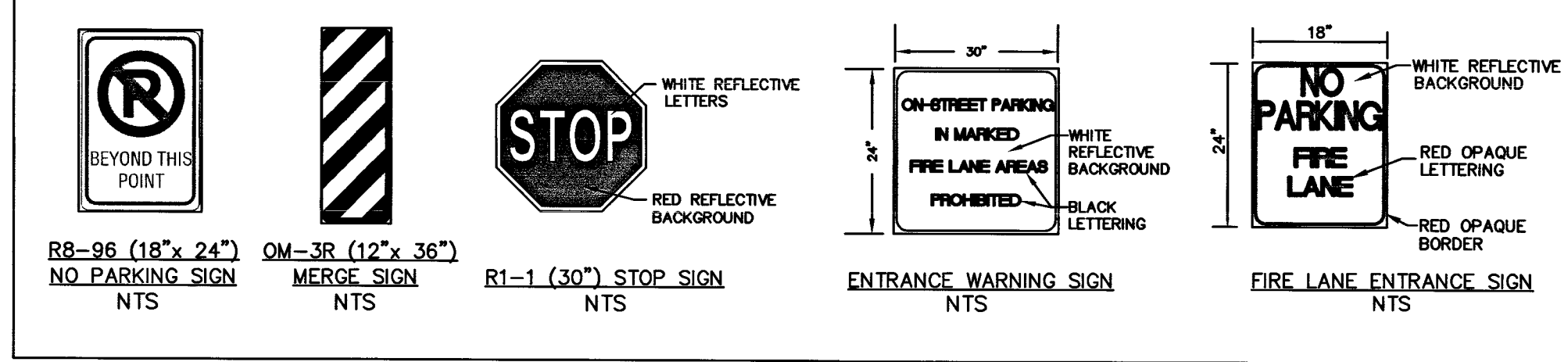
#	ITEM	UNIT	PUBLIC	PRIVATE
1	INSTALL R1-1 STOP SIGN AND POLE MOUNT (30"x30")	EA	-	1
2	INSTALL #3-1/2" PULLBOX PER CCAUSD #705	EA	1	-
3	INSTALL 1-1/4" PVC CONDUIT W/ (2) #4 AND (1) #8 CONDUCTORS	LF	162	-
4	INSTALL 100W HPS LUMINAIRES PER CCAUSD'S #314, #320 & #321	EA	1	-
5	INSTALL OM3-R OBJECT MARKER SIGN AND POLE MOUNT (12"x36") @ 25' O.C. TYP.	EA	5	-
6	INSTALL 12" SOLID WHITE STRIPE EDGE LINE	LF	105	-
7	INSTALL 6" SOLID WHITE STRIPE EDGE LINE	LF	119	-
8	INSTALL R8-96 NO PARKING BEYOND THIS POINT SIGN AND POLE MOUNT (18"x24")	EA	1	-
9	INSTALL 200 AMP SERVICE PEDESTAL PER CCAUSD 330, 331, 332.1 & 335.1	EA	1	-

FIRE ACCESS NOTES

#	ITEM	UNIT	PUBLIC	PRIVATE
1	INSTALL BLUE REFLECTIVE PAVEMENT MARKER AT EACH FIRE HYDRANT TO IDENTIFY LOCATIONS	EA	-	1
2	INSTALL FIRE LANE SIGN R8-31 (12"x18")	EA	-	8
3	PAINT CURB FIRE LANE RED W/WHITE LETTERING "NO PARKING FIRE LANE"	LF	-	494
4	INSTALL "ADA PARKING ONLY" SIGN PER CCAUSD #249.1	EA	-	4
5	INSTALL ENTRANCE WARNING SIGN	EA	-	1

CONTRACTOR TO FIELD VERIFY EXISTING UTILITIES/STUBS PRIOR TO CONSTRUCTION

PROPOSED SIGNAGE



OWNER
CHURCH SHEPARD HILLS LUTHERAN
7501 TULE SPRINGS RD #150
LAS VEGAS, NV 89131

BASIS OF BEARING
N 89°30'38" E - BEING THE SOUTH LINE THE SOUTHWEST QUARTER OF SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M. D. M., CLARK COUNTY, NEVADA, EXCEPTING THEREFROM THAT PORTION CONVEYED TO THE CLARK COUNTY FOR LAS VEGAS BELTWAY BY DEDICATION RECORDED MARCH 23, 2004 IN BOOK 20040323 AS INSTRUMENT NUMBER 02092 OF OFFICIAL RECORDS.
APN: 125-20-401-003

LEGAL DESCRIPTION
PARCEL 1:
THE WEST HALF (W 1/2) OF THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M. D. M., CLARK COUNTY, NEVADA, EXCEPTING THEREFROM THAT PORTION OF SAID LAND AS CONVEYED TO CLARK COUNTY BY DEED RECORDED OCTOBER 29, 1990 IN BOOK 901029 AS DOCUMENT NO. 00936, CLARK COUNTY NEVADA AS SHOWN IN FILE #89, PAGE 3 OF SURVEYS ON FILE AT THE CLARK COUNTY, NEVADA RECORDS OFFICE.

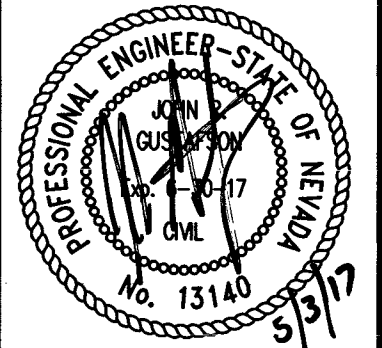
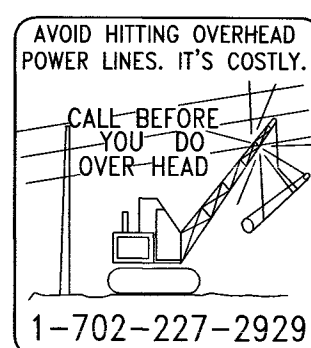
PARCEL 2:
THE SOUTHWEST QUARTER (SE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M. D. M., CLARK COUNTY, NEVADA, EXCEPTING THEREFROM THAT PORTION OF SAID LAND AS CONVEYED TO CLARK COUNTY BY DEED RECORDED OCTOBER 29, 1990 IN BOOK 901029 AS DOCUMENT NO. 00936, CLARK COUNTY NEVADA AS SHOWN IN FILE #89, PAGE 3 OF SURVEYS ON FILE AT THE CLARK COUNTY, NEVADA RECORDS OFFICE.

TRAFFIC CONTROL NOTES

- ALL CURB ALONG FIRE LANE SHALL BE PAINTED RED WITH STENCIL LETTERING EVERY 50.0 LF.
- INSTALL ALL SIGNS, AND SIGN MOUNTS PER CITY OF HENDERSON APPROVED UNIFORM STANDARD DRAWINGS.
- NO STRUCTURE, VEGETATION, OR OBJECT OF ANY KIND IS PERMITTED OVER TWENTY FOUR (24) INCHES IN HEIGHT (MEASURED FROM THE TOP OF THE ADJACENT CURB (IF CURB EXISTS) WITHIN THE SIGHT VISIBILITY ZONE EXCEPT STREET LIGHTING AND TRAFFIC CONTROL DEVICES.

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.



DATE: 03/21/2017
DESIGN: MJ
DRAWN: MJ
CHECK: JRG
SCALE: 1"=30'

PREPARED FOR: TEMPLETON

BAUGHMAN & TURNER, INC.
CIVIL ENGINEERS
1210 HINSON STREET
LAS VEGAS, NEVADA 89102
PHONE: (702) 870-8771
FAX: (702) 878-2695

SHEPHERD OF THE HILLS CHURCH
HORIZONTAL CONTROL & TRAFFIC PLAN
SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B. & M.
CLARK COUNTY, NEVADA
MSM-0001-17

SHEET HCO1
12 of 12
PROJ. NO. SHEPHERD