

P:\Proj-Cv3D-2018\Security-Fontaine-270235-19\SecFont_Cover.dwg, Cover, Mon Mar 7 17:15:07 2022, dotnorton, Supersedes All Previously Dated Sets

BID SET 3/7/22

Oversight / NHS

FHWA REGION VIII OVERSIGHT ?	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
NATIONAL HIGHWAY SYSTEM ?	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES

DEPARTMENT OF PUBLIC WORKS EL PASO COUNTY

HIGHWAY CONSTRUCTION BID PLANS OF PROPOSED

Security Fontaine Intersection INTERSECTION IMPROVEMENTS EL PASO COUNTY

PROJECT NO. 270235

Related Projects:

P. E. UNDER PROJECT:
Project Number
Project Code

R.O.W. Projects:

R.O.W. Project Description
.....

TABULATION OF LENGTH & DESIGN DATA

STATION	FEET		MAJOR STR.
	SH 115	I-25	
STA. 2+95.65 BEGIN ROAD TO STA. 3+42.19 BEGIN STRUCTURE	46.54		
STA. 3+46.25 END STRUCTURE			4.06
STA. 3-75.20 END ROAD	28.95	0.00	
TOTALS	75.49	0.00	4.06

Sheet List Table

Sheet No.	Sheet Name
1	Cover Sheet
2	Standard Plan List
3	General Notes
4	Summary of Approx. Qties.
5	Signs and Tabulations
6	Survey Control Sheet
7	Survey Tabulation Sheet
8	Demolition Plan 1
9	Demolition Plan 2
10	Demolition Plan 3
11	Geometric Points 1
12	Geometric Points 2
13	Geometric Points 3
14	Geometric Points 4
15	Centerline of Driveway
16	Signage & Striping
17	Parking Lot Striping
18	Sign Details
19	Subsurface Utility Plan 1
20	Subsurface Utility Plan 2
21	Traffic Signal Plan

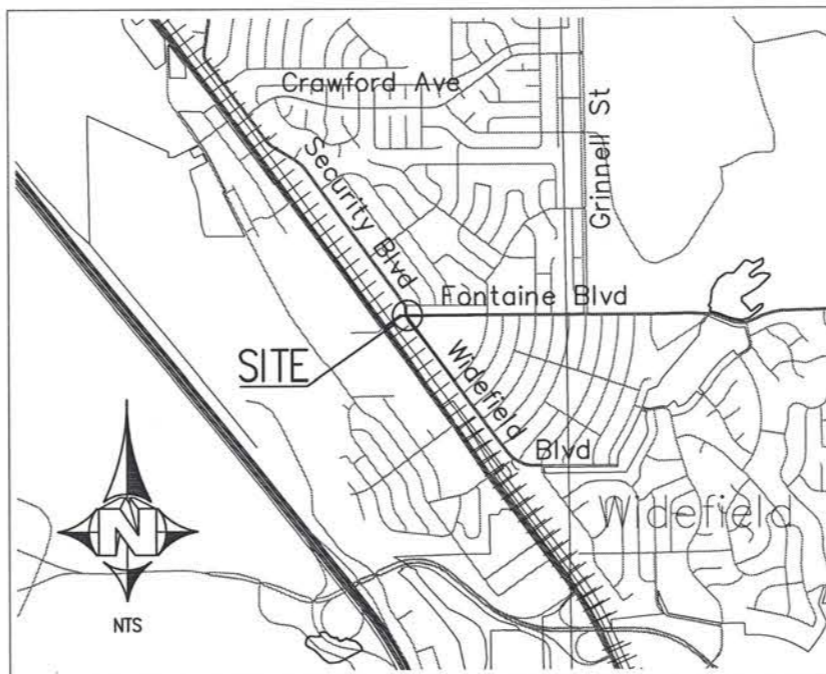
SURVEY NOTES:

BASIS OF BEARINGS: THE PROJECT BASIS OF BEARINGS IS GPS NORTH.

BASIS OF ELEVATIONS: PROJECT ELEVATIONS ARE BASED ON NGS HARN STATION S 347, A STANDARD HORIZONTAL CONTROL DISK STAMPED S 347 1953 SET IN THE TOP OF A CONCRETE POST PROJECTING ABOUT 6 INCHES ABOVE GROUND WITH A NAVD 88 ORTHO HEIGHT OF 5604.70 FEET (1708.317 METERS) ADJUSTED. THE ELEVATION NGS HARN STATION S 347 WAS DETERMINED BY DIFFERENTIAL LEVELING AND ADJUSTED BY THE NATIONAL GEODETIC SURVEY.

PROJECT COORDINATES ARE GROUND COORDINATES
ALL CALCULATIONS ARE BASED ON NGS HARN STATION S 347 WITH THE FOLLOWING GROUND COORDINATE VALUES:

NORTHING = 100,000,000 FEET
EASTING = 100,000,000 FEET



VICINITY MAP

SCALE: NTS

UTILITY CONTACT TABLE

COMPANY	CONTACT	PHONE NUMBER
BLACK HILLS ENERGY (GAS)	SHAWN JACKSON	(719) 393-6651
COLORADO SPRINGS UTILITIES (CSU) (GAS)	MIKE FERGUSSON	(719) 668-4083
COLORADO SPRINGS UTILITIES (CSU) (ELECTRIC)	ROBERT ESTES	(719) 668-5904
CENTURY LINK (FIBER & TELEPHONE)	ROBERT TOMASELLI	(719) 647-5231
WIDEFIELD SANITATION DISTRICT (SANITARY)	JOHN PAXTON	(719) 491-6981
SECURITY SANITATION DISTRICT (WATER)	RICK DAVIS	(719) 392-3475
COMCAST (FIBER)	JASON JACOBSEN	(720) 557-4395
BNSF RAILWAY (FIBER) (PREEMPTION)	CALL BEFORE YOU DIG	1-800-533-2891
MCI / VERIZON	RANDY NESLAND	(720) 766-4625



Utility Symbols

	CATV RISER
	ELECTRIC VAULT
	FIRE HYDRANT
	GAS BLOW-OFF VALVE
	GAS MARKER
	GAS METER
	GAS VALVE
	GUY WIRE
	LIGHT POLE
	SANITARY SEWER MANHOLE
	TELEPHONE MANHOLE
	TELEPHONE MARKER
	TELEPHONE RISER
	UNDERGROUND FIBER OPTIC MARKER
	UNDERGROUND FIBER OPTIC VAULT
	UTILITY POLE
	WATER VALVE
	WATER MANHOLE
	WATER METER

Line Legend

	Ext'g Edge of Asphalt
	Prop. Edge of Asphalt
	Top of Cut
	Toe of Fill
	Water
	Telephone
	Sewer
	UGT
	UFO
	OHE
	OH
	Existing Contours
	Proposed Contours
	Fence
	Gas
	Electric
	R.O.W.
	Property Line

JENNIFER IRVINE, P.E.
COUNTY ENGINEER

24 March 2022

DATE

NOTE: ALL SCALES IN DRAWINGS ARE FOR FULL SIZE (11" x 17") PRINTS

PROJECT LOCATION
Fontaine Blvd @ East of US Hwy 83
Sections 13 & 24, T15S, R66W

Computer File Information		Index of Revisions		El Paso County Department of Public Works		As Constructed		EPCDOT Construction Project		Project No./Code		
Creation Date:	6/2/21	Initials:	DAN	<p>3275 Akers Drive Colorado Springs, Colorado 80922-1547 Ph: 719-520-6460 Fax: 719-520-6878 Division of Transportation</p>		No Revisions:	mm/dd/yy	contractor		270235		
Last Modification Date:	3/7/22	Initials:	DAN			Revised:	mm/dd/yy	Project Manager JEL				
Full Path:	P:\Proj-Cv3D-2018\Security-Fontaine-270235-19					Void:	mm/dd/yy	Project Engineer JRA				
Drawing File Name:	SecFont_Cover - Cover					PROJECT STARTED		mm/dd/yy	ACCEPTED	mm/dd/yy	Sheet Number	
Acad. Ver. Civ3D 2018	Scale: na	Units: Feet				Comments:				1		

BID SET 3/7/22

PROJECT DESCRIPTION

TRAFFIC SIGNAL REPLACEMENT / INTERSECTION IMPROVEMENTS AT THE INTERSECTION OF SECURITY BOULEVARD/WIDEFIELD BOULEVARD AND FONTAINE BOULEVARD.

GENERAL NOTES

- 1 THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE COLORADO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2019) (REFERRED TO AS THE STANDARD SPECIFICATIONS), EXCEPT WHERE OTHERWISE NOTED ON THE PROJECT PLANS AND/OR THE PROJECT SPECIAL PROVISIONS.
- 2 THE "PIKES PEAK REGION ASPHALT PAVING SPECIFICATIONS", VERSION 5, DATED MARCH 20, 2019 SHALL APPLY TO ASPHALT PAVING MATERIALS AND CONSTRUCTION PROCEDURES EXCEPT WHERE NOTED ON THE PROJECT PLANS AND/OR PROJECT SPECIAL PROVISIONS.
- 3 THE CONTRACTOR SHALL HAVE A COPY OF ALL APPLICABLE STANDARDS ON SITE FOR THE DURATION OF THE PROJECT.
- 4 THE CONTRACTOR SHALL ACQUIRE ALL NECESSARY PERMITS AND INSPECTIONS REQUIRED TO COMPLETE THE SCOPE OF WORK PRESENTED HEREIN.
- 5 THE ENGINEER SHALL BE NOTIFIED 48 HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.

UTILITY NOTES

- 6 UTILITY FACILITIES EXIST WITHIN THE LIMITS OF PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE AND COORDINATE WITH THE UTILITY OWNERS IN THEIR REMOVAL AND RELOCATION OPERATIONS AND DURING CONSTRUCTION SO THAT PROGRESS IS EXPEDITED.
- 7 THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO AT 1-800-922-1987 THREE BUSINESS DAYS IN ADVANCE OF ANY EXCAVATING OR GRADING.
- 8 THE LOCATIONS OF EXISTING STRUCTURES, PIPELINES, UTILITIES, ETC., SHOWN ON THE DRAWINGS HAVE BEEN DERIVED FROM THE BEST AVAILABLE INFORMATION. THERE MAY BE OTHER STRUCTURES, PIPELINES, UTILITIES, ETC., NOT SHOWN ON THE DRAWINGS WHICH PRESENTLY EXIST IN THE AREA OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL IMPACTED EXISTING STRUCTURES, PIPELINES, UTILITIES, ETC., IN THE PROJECT SITE, AND SHALL BE RESPONSIBLE FOR ANY DAMAGES THERETO.
- 9 THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL UTILITIES AND STRUCTURES AFFECTED BY THE WORK AND ANY DAMAGE SHALL BE REPAIRED AND RESTORED TO THE SATISFACTION OF THE ENGINEER OR APPLICABLE ENTITY AT THE CONTRACTOR'S EXPENSE.
- 10 THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHERE UTILITIES CONFLICT WITH THE NEW WORK IN CONFORMANCE WITH THE SPECIFICATIONS. CONFLICT IS DEFINED WHERE THE NEW WORK CANNOT BE COMPLETED WITHOUT PROPER CLEARANCES AROUND THE UTILITY. WHERE FIELD VERIFICATION IS NOTED ON THE PLANS, THIS SHALL REQUIRE THE CONTRACTOR TO DETERMINE THE LOCATION OF THE FACILITY IN QUESTION PRIOR TO THE NEW CONSTRUCTION. A DETERMINATION SHALL BE MADE BY THE CONTRACTOR IF THE CURRENT DESIGN WILL MATCH THE EXISTING FACILITY AND NOTIFY THE ENGINEER IN WRITING IF IT DOES NOT.
- 11 CONTACT **BNSF** PRIOR TO ANY WORK WITHIN THE **BNSF** RIGHT-OF-WAY OR ANY WORK AFFECTING GRADE CROSSING OPERATIONS.

SURVEY NOTES

- 12 THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL MONUMENTS, BENCH MARKS, PROPERTY MARKERS, AND REFERENCE POINTS. IN CASE OF HIS DESTRUCTION OF THESE, THE CONTRACTOR WILL BE RESPONSIBLE FOR RESETTING SAME, AT HIS SOLE EXPENSE, AND SHALL BE RESPONSIBLE FOR ANY LOSS OF TIME THAT MAY BE CAUSED.

PROJECT ACTIVITY NOTES

- 13 ALL QUANTITIES ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK NECESSARY TO COMPLETE THE CONSTRUCTION SHOWN IN THESE PLANS AND THEIR SPECIFICATIONS.
- 14 ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY EL PASO COUNTY.
- 15 ALL WORK SHALL BE DONE TO THE LINES, GRADES, SECTIONS, AND ELEVATIONS SHOWN ON THE PLANS UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER.
- 16 THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS. ANY DISTURBANCE BEYOND THESE LIMITS SHALL BE RESTORED TO ORIGINAL CONDITIONS AT THE CONTRACTORS EXPENSE. CONSTRUCTION ACTIVITIES, IN ADDITION TO NORMAL CONSTRUCTION PROCEDURES, SHALL INCLUDE PARKING OF VEHICLES OR EQUIPMENT, DISPOSAL OF LITTER AND ANY OTHER ACTION WHICH WOULD ALTER EXISTING CONDITIONS.
- 17 LIMITS OF REMOVAL ITEMS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THEIR REMOVAL. IF DISCREPANCIES ARISE BETWEEN THE DEMOLITION AND THE NEW WORK, THEN THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO DISTURBANCE.

- 18 ANY FACILITIES DAMAGED DURING THE COURSE OF CONSTRUCTION AS A RESULT OF THE CONTRACTOR'S OPERATION THAT ARE TO REMAIN, INCLUDING CURB & GUTTER, SIDEWALK, CURB RAMP, DRIVEWAY, ASPHALT, CONCRETE PAVEMENT, AND LANDSCAPING, SHALL BE RESTORED TO THE ORIGINAL OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE. ALL COSTS INCIDENTAL TO THE FOREGOING REQUIREMENTS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCIDENTAL TO THE WORK. ALL WORK SHALL BE DONE TO THE APPROVAL OF THE PROJECT ENGINEER.
- 19 IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ANY TEMPORARY EXCAVATION SUPPORT AS REQUIRED. THIS SUPPORT WILL BE INCIDENTAL TO THE WORK AND WILL NOT BE PAID FOR SEPARATELY.
- 20 ALL EXCAVATED HOLES SHALL BE COVERED WITH STEEL PLATES ANY TIME CONSTRUCTION WORK IS NOT IN PROGRESS (OVERNIGHT, WEEKENDS, HOLIDAYS). EXCAVATION SHORING SHALL COMPLY WITH OSHA STANDARDS. COST FOR SHORING AND STEEL PLATES WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.
- 21 UNLESS OTHERWISE STATED, ALL COMPACTION SHALL BE PER SECTION 203 OF THE "COLORADO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2019)"
- 22 TYPE OF COMPACTION FOR EARTHWORK MATERIAL SHALL BE AASHTO T-180. COMPACT AGGREGATE BASE COURSE MATERIAL USING MOISTURE DENSITY CONTROL AASHTO T-180. WATER USED FOR COMPACTION SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE WORK. PROOF ROLLING WILL BE REQUIRED PRIOR TO COMMENCING PAVING OR CONCRETE PLACEMENT OPERATIONS. PROOF ROLLING SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE WORK. ANY UNSUITABLE MATERIAL WILL BE REPLACED WITH CLASS 6 AGGREGATE BASE COURSE.
- 23 THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF THE WORK. ANY CONCRETE SUFFERING DAMAGE SUCH AS GRAFFITI, TACK COAT SPRAY, FOOTPRINTS, RAIN DAMAGE, ETC., WILL BE REMOVED AND REPLACE BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE PRIOR TO FINAL ACCEPTANCE PAYMENT. IF ANY CONCRETE MUST BE REPLACED BECAUSE OF RAVELING AT THE JOINTS, RANDOM CRACKING, FOOTPRINTS, GRAFFITI, ETC., THE ENTIRE SLAB OR STONE MUST BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 24 ALL EXISTING EDGE LINES, CENTERLINES, LANE LINES, AND STOP BARS THAT ARE NOT SCHEDULED TO BE REMOVED SHALL BE REFRESHED. THIS SHALL APPLY TO ALL TRAFFIC MARKINGS THROUGHOUT THE INTERSECTION AREA.
- 25 ALL REINFORCING MATERIALS USED IN SLOPE AND DITCH PAVING SHALL NOT BE MEASURED AND PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.

ASPHALT PATCHING NOTES

- 26 HOT MIX ASPHALT IS REQUIRED FOR ALL PERMANENT ASPHALT PATCH REPAIRS AND SHALL BE PLACED IMMEDIATELY FOLLOWING CONSTRUCTION UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- 27 A TEMPORARY COLD MIX PATCH WILL BE REQUIRED FOR ALL STREET CUTS IF A PERMANENT PATCH CANNOT BE APPLIED FOR ANY REASON IMMEDIATELY FOLLOWING CONSTRUCTION. TEMPORARY PATCHES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL COMPLETION OF THE PERMANENT PATCH WITHIN A MAXIMUM OF 5 CALENDAR DAYS UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- 28 HMA SHALL BE AN SX GRADE. THE CONTRACTOR SHALL SUBMIT A MIX DESIGN FOR APPROVAL BY THE ENGINEER.
- 29 WHERE ASPHALT REMOVAL EXTENDS INTO THE BASE COURSE, THE CONTRACTOR SHALL PROVIDE A COMPACTED GRANULAR FILL MEETING THE SPECIFICATIONS OF CDOT'S CLASS 6 AGGREGATE BASE COURSE.
- 30 WHERE NEW PAVEMENT IS TO ABUT TO EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE REMOVED TO A NEAT VERTICAL LINE BY FULL DEPTH SAWING. SAWING WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PROJECT.
- 31 DILUTED EMULSIFIED ASPHALT SHALL BE APPLIED TO THE EDGE OF CUT PAVEMENT PRIOR TO PAVING OPERATIONS AND SHALL BE APPLIED BETWEEN PAVEMENT COURSES TO IMPROVE THE BOND. THE DILUTED EMULSIFIED ASPHALT FOR TACK COAT SHALL CONSIST OF ONE PART EMULSIFIED ASPHALT AND ONE PART WATER. THE DILUTED RATE OF APPLICATION SHALL BE 0.10 GALS/SY. TACK COAT WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST FOR ASPHALT.

STORMWATER/BMP NOTES

- 32 NO WASHING OUT OF CONCRETE TRUCKS INTO STORM DRAINS OR STREETS SHALL BE ALLOWED.
- 33 IF CONCRETE TRUCKS ARE TO BE WASHED ONSITE, A TEMPORARY CONCRETE WASHOUT FACILITY SHALL BE CONSTRUCTED AND MAINTAINED WITH SUFFICIENT SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS. CONCRETE WASHOUT AREAS SHALL BE LOCATED AT LEAST 50 FEET FROM STORM DRAINS.

- 34 TRACKING OF SOILS AND CONSTRUCTION DEBRIS FROM THE PROJECT SITE SHALL BE MINIMIZED. MATERIALS TRACKED ONTO THE ROADWAY SHALL BE CLEANED UP DAILY AND DISPOSED OF PROPERLY. THE WORK SHALL BE INCLUDED IN THE COST OF THE WORK.

TRAFFIC SIGNAL NOTES

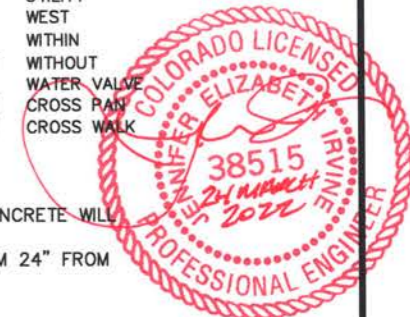
- 35 CAISSONS SHALL BE BUILT SO THAT THE BOLT PATTERN IS IN THE CORRECT POSITION FOR MOUNTING THE POLES AND SHALL CONFORM TO CDOT M&S STANDARD PLANS.
- 36 SHOULD THE CONTRACTOR ENCOUNTER WATER IN THE CAISSON, ANY DEWATERING METHODS AND NECESSARY PERMITS SHALL BE INCLUDED IN THE COST OF THE CAISSON AND WILL BE CONSIDERED INCIDENTAL TO THE WORK.
- 37 ALL SIGNAL POLE, PULL BOXES AND CONTROLLER LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS SHALL BE APPROVED IN THE FIELD BY THE ENGINEER PRIOR TO DRILLING OR EXCAVATION. THE LOCATION OF EACH SIGNAL POLE FOUNDATION SHALL BE POTHOLED PRIOR TO DRILLING TO CONFIRM WHETHER OR NOT ANY UTILITY CONFLICTS EXIST.
- 38 CONTRACTOR SHALL COORDINATE OVERHEAD STREET NAME SIGN DESIGN AND INSTALLATION SPECIFICATIONS WITH THE ENGINEER PRIOR TO PLACING THE SIGN ORDER.
- 39 SIGNAL HEADS NOT IN OPERATION SHALL BE BAGGED UNTIL OPERATION. BAGGING SHALL COVER ANY BACKPLATE BORDER AND SHALL BE BLACK. BAGGING WILL NOT MEASURED AND PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.
- 40 THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR INSPECTION OF FORM, BOLTS, AND STUB OUT LAYOUT 24 HOURS PRIOR TO INTENT TO POUR, AND (2 HOUR MINIMUM CONFIRMATION) PRIOR TO POURING CONCRETE, EXPOSED BOLT THREADS AND NUTS SHALL BE FREE OF CONCRETE AND DEBRIS.
- 41 NO MODIFICATIONS, CHANGES, OR OUTAGES TO RAILWAY PREEMPTION TIMINGS, CLEAR TIMES, OR ASSOCIATED HARDWARE SHALL BE MADE WITHOUT APPROVAL BY THE PROJECT ENGINEER.

ABBREVIATION LEGEND

ABC	AGGREGATE BASE COURSE	PC	POINT OF CURVATURE
BCR	BEGIN CURB RAMP	PCR	POINT OF CURVATURE RETURN
BST	BEGIN SLOPE TRANSITION	PED	PEDESTRIAN
BT	BEGIN TRANSITION	PH	POT HOLE
BNDRY	BOUNDARY	PNT	POINT
C&G	CURB & GUTTER	PNT #	POINT NUMBER
CL	CENTERLINE	PNTS	POINTS
CONC	CONCRETE	PP	POWER POLE
CONST	CONSTRUCTION	PPB	PEDESTRIAN PUSH BUTTON
DEMO	DEMOLITION	PR	PROPOSED
DW	DETECTABLE WARNING	PRC	POINT OF REVERSE CURVE
E	EAST	PT	POINT OF TANGENCY
ECM	ENGINEERING CRITERIA MANUAL	RD	ROAD
ECR	END CURB RAMP	ROW	RIGHT OF WAY
ELEV	ELEVATION	RR	RAILROAD
ES	EDGE OF SHOULDER	S	SOUTH
ET	END TRANSITION	SE	SOUTHEAST
EST	END SLOPE TRANSITION	SW	SOUTHWEST
EX	EXISTING	SWLK	SIDEWALK
FH	FIRE HYDRANT	TBC	TOP BACK OF CURB
FL	FLOWLINE	TELE	TELEPHONE
GEO	GEOMETRIC	TFC	TOP FRONT OF CURB
GRD	GRADE	TSP	TRAFFIC SIGNAL POLE
LG	LIP OF GUTTER	TYP	TYPICAL
MH	MANHOLE	UGE	UNDERGROUND ELECTRIC
N	NORTH	UTIL	UTILITY
NE	NORTHEAST	W	WEST
NW	NORTHWEST	W/IN	WITHIN
OH	OVERHEAD	W/OT	WITHOUT
OHE	OVERHEAD ELECTRIC	WV	WATER VALVE
P&P	PLAN & PROFILE	XPAN	CROSS PAV
PB	PULL BOX	XWLK	CROSS WALK

NOTE:

1. TOP OF CURB AND PATTERNED CONCRETE WILL BE 6" ABOVE FLOWLINE (TYP.).
2. PUSH BUTTONS SHALL BE MAXIMUM 24" FROM FACE OF INTERIOR CURB.



Computer File Information		Index of Revisions		 <p>El Paso County Department of Public Works 3275 Akers Drive Colorado Springs, Colorado 80922-1547 Ph: 719-520-6460 Fax: 719-520-6878 Division of Transportation</p>	As Constructed	Security Fontaine Intersection		Project No./Code
Creation Date:	6/2/2021	Initials:	DAN		No Revisions:	General Notes		270235
Last Modification Date:	3/7/2022	Initials:	DAN		Revised:	Designer:	JRA	Structure
Full Path:	P:\Proj-Cv3D-2018\SecFont-Fontaine-270235-19				Void:	Detailer:	DAN	Numbers
Drawing File Name:	SecFont_Cover - GenNote				Sheet Subset:			Subset Sheets:
Acad. Ver. Civ3D	2020	Scale:	n/a	Units:	n/a	of		Sheet Number
								3

BID SET 3/7/22

SUMMARY OF APPROXIMATE QUANTITIES

	NO.	ITEM	UNIT	PLAN QTY.
1	202-00010	REMOVAL OF TREE	EA	8
2	202-00200	REMOVAL OF SIDEWALK	SY	22
3	202-00201	REMOVAL OF CURB	LF	263
3	202-00203	REMOVAL OF CURB AND GUTTER	LF	841
5	202-00206	REMOVAL OF CONCRETE CURB RAMP	SY	19
4	202-00210	REMOVAL OF CONCRETE PAVEMENT	SY	51
5	202-00220	REMOVAL OF ASPHALT MAT	SY	980
6	202-00250	REMOVAL OF PAVEMENT MARKING	SF	1100
7	202-00750	REMOVAL OF LUMINAIRE	EA	3
8	202-00821	REMOVAL OF SIGN PANEL	EA	2
9	202-00825	REMOVAL OF FLASHING BEACON	EA	2
10	202-00828	REMOVAL OF TRAFFIC SIGNAL EQUIPMENT	LS	1
11	202-00840	REMOVAL OF TRAFFIC SIGNAL POLE	EA	3
12	202-00848	REMOVAL OF TRAFFIC SIGNAL CONTROLLER AND CABINET	EA	1
13	202-00858	REMOVAL OF PEDESTAL POLE	EA	1
14	202-00860	REMOVAL OF PEDESTRIAN PUSH BUTTON	EA	8
15	203-00000	UNCLASSIFIED EXCAVATION	CY	60
16	203-00060	EMBANKMENT MATERIAL (COMPLETE IN PLACE)	CY	25
17	203-01597	POTHOLING	HR	10
18	208-00045	CONCRETE WASHOUT STRUCTURE	EA	1
19	208-00035	AGGREGATE BAG	LF	25
20	210-00815	RESET SIGN PANEL	EA	2
21	210-00861	RESET WIRING	LS	1
22	304-06007	AGGREGATE BASE COURSE (CLASS 6)	CY	55
23	403-00721	HOT MIX ASPHALT (PATCHING)	SY	50
24	403-34621	HOT MIX ASPHALT (SX) (50) (PG 58-28)	TN	95
25	412-00600	CONCRETE PAVEMENT (6 INCH)	SY	20
26	503-00042	DRILLED CAISON (42 INCH)	EA	3
27	506-00035	GROUTED RIPRAP	SY	10
28	507-00100	CONCRETE SLOPE AND DITCH PAVING (REINFORCED) (6 INCH)	CY	3
31	602-00000	REINFORCING STEEL (No. 3)	LB	5
29	608-00006	CONCRETE SIDEWALK (6 INCH)	SY	260
30	608-00010	CONCRETE CURB RAMP	SY	112
31	608-00015	DETECTABLE WARNINGS	SF	150
32	609-21010	CURB AND GUTTER TYPE 2 (SECTION I-B)	LF	78
33	609-21020	CURB AND GUTTER TYPE 2 (SECTION II-B)	LF	606
34	610-00020	MEDIAN COVER MATERIAL (PATTERNED CONCRETE)	SF	373
35	613-00200	2" ELECTRICAL CONDUIT	LF	300
36	613-00206	2" ELECTRICAL CONDUIT (BORED)	LF	1,000
37	613-00300	3" ELECTRICAL CONDUIT	LF	160
38	613-00306	3" ELECTRICAL CONDUIT (BORED)	LF	500
39	613-07034	PULL BOX (24"x36"x18")	EA	4
40	613-07040	PULL BOX (30"x48"x24")	EA	1
41	613-10000	WIRING	LS	1
42	613-16000	LUMINAIRE	EA	3
43	613-50150	SECONDARY SERVICE PEDESTAL	EA	1
44	613-60800	LOCATE UTILITY	HR	10
45	614-00011	SIGN PANEL (CLASS 1)	SF	40

SUMMARY OF APPROXIMATE QUANTITIES

46	614-00012	SIGN PANEL (CLASS 2)	SF	139
47	614-01583	STEEL SIGN SUPPORT (2-1/2 INCH ROUND) (POST AND SLIPBASE)	EA	4
48	614-70150	PEDESTRIAN SIGNAL FACE (COUNTDOWN)	EA	8
50	614-70336	TRAFFIC SIGNAL FACE (12-12-12)	EA	9
51	614-70560	TRAFFIC SIGNAL FACE (12-12-12-12-12)	EA	3
52	614-72836	CONFLICT MONITOR	EA	1
53	614-72855	TRAFFIC SIGNAL CONTROLLER CABINET	EA	1
54	614-72858	PEDESTAL POLE (3 FOOT 6 INCH)	EA	6
55	614-72858	PEDESTAL POLE (10 FOOT)	EA	2
56	614-72860	PEDESTRIAN PUSH BUTTON	EA	12
57	614-72887	MICROWAVE VEHICLE RADAR DETECTOR	EA	4
58	614-81145	TRAFFIC SIGNAL - LIGHT POLE STEEL (1 - 45 FOOT MAST ARM)	EA	1
59	614-81150	TRAFFIC SIGNAL - LIGHT POLE STEEL (1 - 50 FOOT MAST ARM)	EA	1
60	614-81545	TRAFFIC SIGNAL - LIGHT POLE STEEL (2 - 40&50 FOOT MAST ARM)	EA	1
61	614-86248	TRAFFIC SIGNAL CONTROLLER	EA	1
62	614-86800	UNINTERRUPTED POWER SUPPLY	EA	1
63	614-87690	ETHERNET SWITCH	EA	1
64	614-87708	CELLULAR GATEWAY	EA	1
65	625-00000	CONSTRUCTION SURVEYING	LS	1
66	626-00000	MOBILIZATION	LS	1
67	627-00011	PAVEMENT MARKING PAINT (WATERBORNE)	GAL	8
68	627-30205	THERMOPLASTIC PAVEMENT MARKING (WORD-SYMBOL)	SF	130
69	627-30210	THERMOPLASTIC PAVEMENT MARKING (XWALK-STOPLINE)	SF	60
70	630-00000	CONSTRUCTION TRAFFIC CONTROL	LS	1
71	630-00000	FLAGGING	HR	40
72	630-00007	TRAFFIC CONTROL INSPECTION	DAY	35
73	630-00012	TRAFFIC CONTROL MANAGEMENT	DAY	70
74	630-80355	PORTABLE MESSAGE SIGN PANEL	EA	4
75	950-01100	UTILITY COORDINATION	LS	1
		FORCE ACCOUNT		
76	700-70010	F/A MINOR CONTRACT REVISIONS	FA	1
77	700-70121	F/A MAINTAIN TRAFFIC SIGNAL	FA	1
78	700-70380	F/A EROSION CONTROL	FA	1



Computer File Information		Index of Revisions		 <p>El Paso County Department of Public Works 3275 Akers Drive Colorado Springs, Colorado 80922-1547 Ph: 719-520-6840 Fax: 719-520-6878 Capital Programs Division</p>	As Constructed	Security Fontaine Intersection		Project No./Code
Creation Date: 6/2/2021	Initials: DAN	(R-)			No Revisions:	Summary of Approx. Qtys.		270235
Last Modification Date: 3/7/2022	Initials: DAN	(R-)			Revised:	Designer: JRA	Structure	
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Drawing File Name: SecFont_Cover - SummQtys		(R-)			Sheet Subset:	Subset Sheets:	4 of 16	Sheet Number 4
Acad. Ver. Civ3D 2020	Scale: n/a	Units: n/a	(R-)					

BID SET 3/1/22

TABULATION OF SURFACING

LOCATION	BASE COURSE (CLASS 6)	BASE COURSE (ASPHALT MILLINGS)	HOT MIX ASPHALT PAVEMENT (GRADING SX) (75)(PG 64-22)	HOT MIX ASPHALT PAVEMENT (GRADING SX) (75)(PG 64-22)	CONCRETE PAVEMENT	PATTERNED CONCRETE	SIDEWALK	CURB & GUTTER TYPE 2 SECTION I-B (SPILL)	CURB & GUTTER TYPE 2 SECTION II-B (FILL)	SLOPE & DITCH PAVING
	TON	TON	TOP LIFTS TON	BOTTOM LIFT TON						
FONTAINE BLVD. WEST					13 S.Y.				210 L.F.	4 S.Y.
SECURITY BLVD. NORTH						235 S.F.	17 C.Y. @ 6"		45 L.F.	
FONTAINE BLVD. EAST					90 S.Y.			72 L.F.	284 L.F.	
WIDEFIELD BLVD. SOUTH	25	68	148	10		138 S.F.	26 C.Y. @ 6"		50 L.F.	



SUMMARY OF EARTHWORK QUANTITIES

DESCRIPTION	UNITS	PLAN
EMBANKMENT MATERIAL (COMPLETE IN PLACE)	CU YD	7
TOPSOIL STRIPPING AS EMBANKMENT	CU YD	18
TOTAL		25
FOR INFORMATION ONLY		
UNCLASSIFIED EXCAVATION	CU YD	60
STRUCTURAL EXCAVATION AS UNCLASSIFIED	CU YD	
TOTAL		60
EARTHWORK QUANTITIES BALANCE		
TOTAL EMBANKMENT * FACTOR (1.15)	CU YD	29
TOTAL EXCAVATION	CU YD	60
TOTAL EXPORT	CU YD	55

SIGNAGE TABULATION

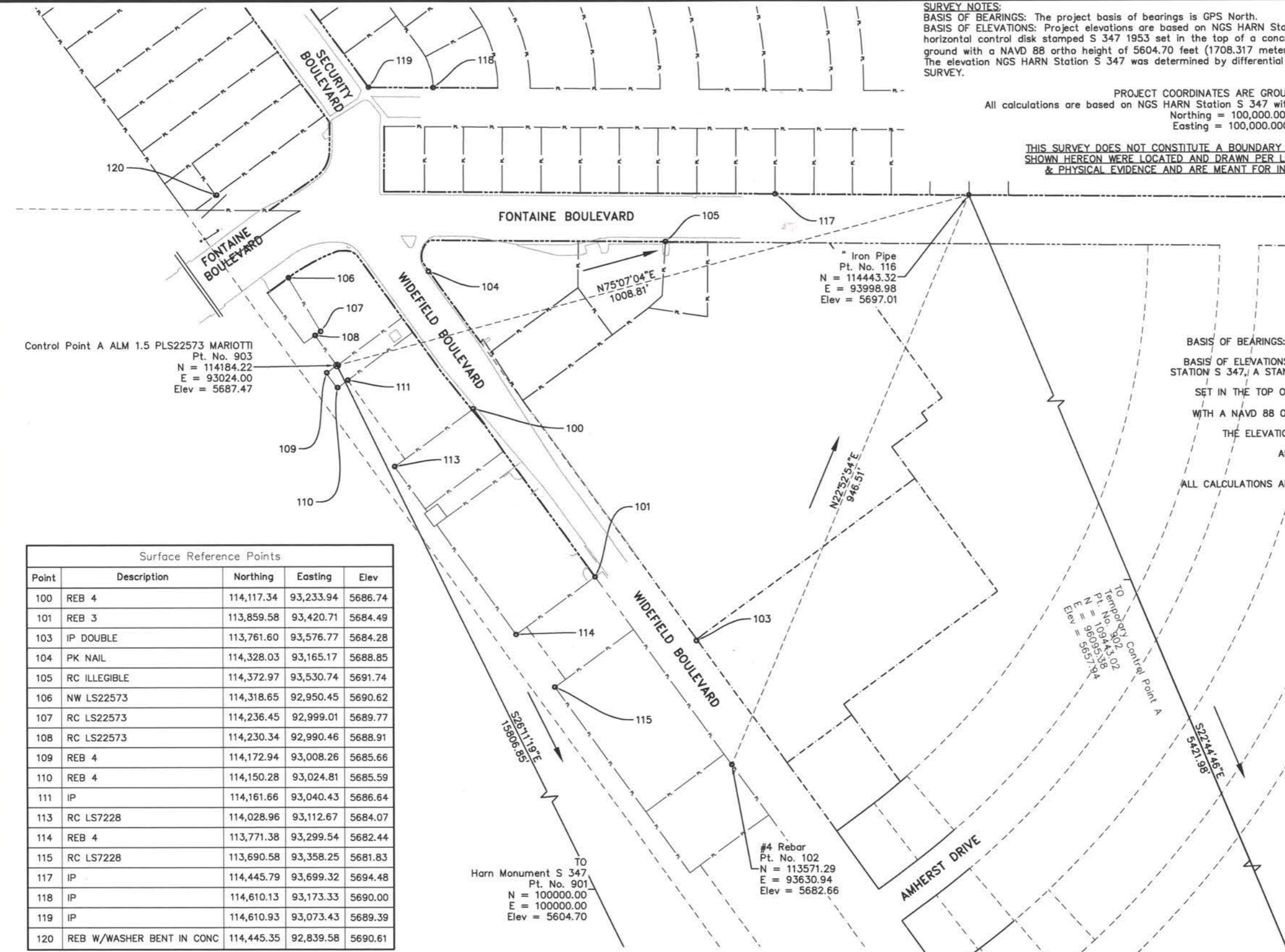
MUTCD CODE	DESCRIPTION	PANEL SIZE	BACKGROUND COLOR	CLASS 1 SF	CLASS 2 SF	SUPPORT	PLAN QTY.
R1-2	YIELD	36x36x36	WHITE		8		1
R1-6b	IN STREET PED CROSSING	12x36	FL. YELLOW/WHT	12			2
R3-5	LEFT ONLY	30x36	WHITE		23	MAST ARM	1
W16-7P	ARROW	30x18	FL. YELLOW	15			2
D1-2	DOUBLE STREET NAME	Varx30	GREEN		60	MAST ARM	2
R3-7R	RT LANE MUST TURN RT	30x30	WHITE	12.5			1
D3-1	STREET NAME	24xVar	GREEN		48	MAST ARM	2
	TOTAL			40	139		

Computer File Information		Index of Revisions		 <p align="center">El Paso County Department of Public Works 3275 Akers Drive Colorado Springs, Colorado 80922-1547 Ph: 719-520-6460 Fax: 719-520-6878 Division of Transportation</p>	As Constructed	Security Fontaine Intersection Summary of Earthwork & Drainage Structure Quantities		Project No./Code
Creation Date: 6/2/2021	Initials: DAN	(R-)			No Revisions:			270235
Last Modification Date: 3/7/2022	Initials: DAN	(R-)			Revised:	Designer: JRA	Structure Numbers:	
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Drawing File Name: SecFont_Cover - SignTab		(R-)				Sheet Subset:	Subset Sheets:	of Sheet Number 5
Acad. Ver. Civ3D 2020	Scale: N/A	Units: Feet	(R-)					

CALL UTILITY NOTIFICATION CENTER OF COLORADO 811
 CALL 3 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.



BID SET 3/1/22



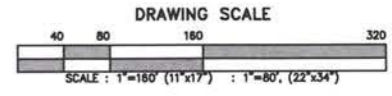
SURVEY NOTES:
 BASIS OF BEARINGS: The project basis of bearings is GPS North.
 BASIS OF ELEVATIONS: Project elevations are based on NGS HARN Station S 347, a standard horizontal control disk stamped S 347 1953 set in the top of a concrete post projecting about 6 inches above ground with a NAVD 88 ortho height of 5604.70 feet (1708.317 meters) adjusted.
 The elevation NGS HARN Station S 347 was determined by differential leveling and adjusted by the NATIONAL GEODETIC SURVEY.

PROJECT COORDINATES ARE GROUND COORDINATES
 All calculations are based on NGS HARN Station S 347 with the following GROUND coordinate values:
 Northing = 100,000.000 feet
 Easting = 100,000.000 feet

THIS SURVEY DOES NOT CONSTITUTE A BOUNDARY SURVEY AND ALL PROPERTY LINES SHOWN HEREON WERE LOCATED AND DRAWN PER LIMITED AVAILABLE PUBLIC RECORDS & PHYSICAL EVIDENCE AND ARE MEANT FOR INFORMATIONAL PURPOSES ONLY.

SURVEY NOTES:
 BASIS OF BEARINGS: THE PROJECT BASIS OF BEARINGS IS GPS NORTH.
 BASIS OF ELEVATIONS: PROJECT ELEVATIONS ARE BASED ON NGS HARN STATION S 347, A STANDARD HORIZONTAL CONTROL DISK STAMPED S 347 1953 SET IN THE TOP OF A CONCRETE POST PROJECTING ABOUT 6 INCHES ABOVE GROUND WITH A NAVD 88 ORTHO HEIGHT OF 5604.70 FEET (1708.317 METERS) ADJUSTED.
 THE ELEVATION NGS HARN STATION S 347 WAS DETERMINED BY DIFFERENTIAL LEVELING AND ADJUSTED BY THE NATIONAL GEODETIC SURVEY.
 PROJECT COORDINATES ARE GROUND COORDINATES
 ALL CALCULATIONS ARE BASED ON NGS HARN STATION S 347 WITH THE FOLLOWING GROUND COORDINATE VALUES:
 NORTHING = 100,000.000 FEET
 EASTING = 100,000.000 FEET

Surface Reference Points				
Point	Description	Northing	Easting	Elev
100	REB 4	114,117.34	93,233.94	5686.74
101	REB 3	113,859.58	93,420.71	5684.49
103	IP DOUBLE	113,761.60	93,576.77	5684.28
104	PK NAIL	114,328.03	93,165.17	5688.85
105	RC ILLEGIBLE	114,372.97	93,530.74	5691.74
106	NW LS22573	114,318.65	92,950.45	5690.62
107	RC LS22573	114,236.45	92,999.01	5689.77
108	RC LS22573	114,230.34	92,990.46	5688.91
109	REB 4	114,172.94	93,008.26	5685.66
110	REB 4	114,150.28	93,024.81	5685.59
111	IP	114,161.66	93,040.43	5686.64
113	RC LS7228	114,028.96	93,112.67	5684.07
114	REB 4	113,771.38	93,299.54	5682.44
115	RC LS7228	113,690.58	93,358.25	5681.83
117	IP	114,445.79	93,699.32	5694.48
118	IP	114,610.13	93,173.33	5690.00
119	IP	114,610.93	93,073.43	5689.39
120	REB W/WASHER BENT IN CONC	114,445.35	92,839.58	5690.61



Computer File Information	
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Last Modification Date:	3/7/2022 Initials: DAN (R-)
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Drawing File Name:	SurveyControl - SrvCtrl (R-)
Acad. Ver. Civ3D 2018 Scale:	1"=160' Units: Feet (R-)

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El Paso County
 Department of Public Works
 3275 Akers Drive
 Colorado Springs, Colorado 80922-1547
 Ph: 719-520-6460 Fax: 719-520-6878
 Division of Transportation

As Constructed
No Revisions:
Revised:
Void:

Security Fontaine Intersection Survey Control Sheet	
Designer:	JRA
Detailer:	DAN
Sheet/Subset:	

Project No./Code
270235
Sheet Number 6

BID SET 3/7/22

TO ESTABLISH GEOMETRIC CONTROL FOR THE CONSTRUCTION OF THIS PROJECT, THE DEPARTMENT HAS PROVIDED THE FOLLOWING INFORMATION:

- FORMAT*
- HORIZONTAL CONTROL PLAN SHEET & AUTOCAD FILES
 - VERTICAL CONTROL PLAN SHEET & AUTOCAD FILES
 - ROADWAY ALIGNMENT _____
 - ORIGINAL TERRAIN DATA PLAN SHEET & AUTOCAD FILES
 - OTHER _____

*SPECIFY THE INFORMATION FORMAT, I.e. PLAN SHEET, COMPUTER DISK, COMPUTER PRINTOUT, OR OTHER. THE INFORMATION MARKED IS EITHER CONTAINED IN THE PLANS OR IS AVAILABLE FROM THE ENGINEER

- TYPE OF PROJECT**
- LANDSCAPING
 - SIGNALIZATION
 - SAFETY IMPROVEMENT
 - ASPHALT OVERLAY
 - CONCRETE OVERLAY
 - MINOR WIDENING
 - MAJOR RECONSTRUCTION
 - NEW ROADWAY CONSTRUCTION
 - BRIDGE REPLACEMENT
 - BRIDGE WIDENING
 - NEW BRIDGE
 - OTHER: PEDESTRIAN IMPROVEMENTS

SURVEY WORK TO BE PERFORMED BY OTHERS: _____

WORK PERFORMED BY THE CONTRACTOR'S SURVEYOR UNDER SECTION 105:

- AS CONSTRUCTED TOPOGRAPHIC SURVEY

WORK PERFORMED BY THE CONTRACTOR'S SURVEYOR UNDER SECTION 625:

- ESTABLISH AND MAINTAIN PROJECT CENTERLINE OR ENGINEER APPROVED OFFSET LINE(S)
- VERIFICATION AND MAINTENANCE OF HORIZONTAL AND VERTICAL CONTROL
- VERIFY OR DETERMINE EXISTING GRADES AND ALIGNMENTS
- VERIFY OR DETERMINE EXISTING TOPOGRAPHY
- GPS/RTS (GLOBAL POSITIONING SYSTEM/ROBOTIC TOTAL STATION) CONSTRUCTION MACHINE CONTROL
- CLEARING AND GRUBBING LIMITS (SECTION 201)
- REMOVAL LIMITS (SECTION 202)
- RESET ITEMS (SECTION 210)
- EXCAVATION AND EMBANKMENT (SECTION 203)

- EXCAVATION
 - UNCLASSIFIED
 - STRIPPING
 - MUCK
 - ROCK
 - BORROW
 - OTHER: _____
 - POTHOLING

- EMBANKMENT
- SITE GRADING
- EROSION CONTROL (PERM)
- OTHER: _____
- AS STAKED EARTHWORK QUANTITIES (SEE GENERAL NOTES)

- LANDSCAPING
 - TOP SOIL (SECTION 207)
 - SEEDING (SECTION 212)
 - MULCHING (SECTION 213)
 - PLANTING (SECTION 214)
 - HERBICIDE (SECTION 217)
 - OTHER: _____

- EROSION CONTROL (SECTION 208)
 - SEEDING (TEMP)
 - SILT FENCE
 - EROSION BALES
 - EROSION LOGS
 - RIPRAP (TEMP)
 - OTHER: _____

- ROADWAY BASES
 - UNTREATED SUBGRADE
 - TREATED SUBGRADE
 - AGGREGATE BASE COURSE (SECTION 304)
 - RECONDITIONING
 - PMBB - PLANT MIX BITUMINOUS BASE
 - OTHER: _____

EXCAVATION	SLOPE STAKING (Y/N)	GRID (Y/N)	GRADE STAKES	SPECIAL INTERVAL
		Y	-	Y
	-	-	-	-
	-	-	-	-
	-	-	-	-

EMBANKMENT	SLOPE STAKING (Y/N)	GRID (Y/N)	GRADE STAKES	SPECIAL INTERVAL
		Y	-	Y
	-	-	-	-
	-	-	-	-
	-	-	-	-

ROADWAY BASES	GRID (Y/N)	GRADE (Y/N)	SPECIAL INTERVAL	SPECIAL OFFSET
		-	-	-
	-	-	-	-
	-	-	-	-
	-	-	-	-

- PAVEMENTS
 - HMA - HOT MIX ASPHALT (SECTION 403)
 - CONCRETE (SECTION 412)
 - HEATING & SCARIFYING TREATMENT
 - PRIME COAT, TACK COAT & REJUVENATING AGENT (SECTION 407)
 - SEAL COAT OR CHIP SEAL (SECTION 409)
 - OTHER: _____

PAVEMENTS	GRID (Y/N)	SPECIAL INTERVAL	SPECIAL OFFSET
		-	-
	-	-	-
	-	-	-
	-	-	-

- ROADWAY ELEMENTS
 - CURB AND GUTTER (SECTION 609)
 - DROP INLETS -ALIGNMENTS AND GRADES (SECTION 604)
 - RETAINING WALLS
 - GUARD RAIL (SECTION 606)
 - SIDEWALK (SECTION 608)
 - OVERLAY STATIONING
 - OTHER: CURB RAMPS

CURB & GUTTER	TANGENT INTERVAL	CURVE INTERVAL	SPECIAL OFFSET
		-	-
	-	-	-

- RIPRAP (PERM) (SECTION 506)
- SLOPE AND DITCH PAVING (SECTION 507)
- MINOR STRUCTURES
 - STRUCTURE EXCAVATION LIMITS (SECTION 206)
 - CULVERTS (SECTION 603)
 - CULVERTS w/ HEADWALLS AND WINGWALLS (SECTION 601)
 - CONCRETE BOX CULVERTS w/ HEADWALLS AND WINGWALLS
 - PIPES (SECTION 603)

STATIONING	LEFT INTERVAL	CENTER INTERVAL	RIGHT INTERVAL
		-	-
	-	-	-

- SANITARY SEWER
- STORM SEWER
- WATER
- IRRIGATION
- MISCELLANEOUS
- MANHOLES (SECTION 604)
- INLETS (SECTION 604)
- PERMANENT WATER QUALITY BMP (SECTION 206)
- OTHER: _____

- MAJOR STRUCTURES - OVERHEAD SIGNS (SECTION 614), CONCRETE BOX CULVERTS, BRIDGES AND ALL STRUCTURES ASSIGNED A STRUCTURE NUMBER
- STRUCTURE EXCAVATION LIMITS (SECTION 206)
- CONCRETE BOX CULVERTS (SECTION 603) w/ HEADWALLS AND WINGWALLS (SECTION 601)
- PILING LOCATIONS AND CUTOFF ELEVATIONS (SECTION 502)
- CAISSON LOCATIONS AND ELEVATIONS (SECTION 503)
- FOOTING LOCATIONS, ALIGNMENT, AND ELEVATIONS
- ABUTMENT/PIER LOCATIONS, ALIGNMENT, AND ELEVATIONS
- WINGWALL SKEW ANGLES/OFFSETS
- STRUCTURAL CONCRETE FORM LOCATIONS
- SUBSTRUCTURE AS-CONSTRUCTED SURVEY

- BRIDGE EXPANSION JOINT(S) ALIGNMENT AND GRADE (LONGITUDINAL AND TRAVERSE)
- DECK GRADES AT GIRDER 10th OR "N"th POINT LOCATIONS AND ELEVATIONS
- SLOPE AND DITCH PAVING (SECTION 507)
- OTHER: _____
- FENCING (SECTION 607)
 - TEMPORARY
 - PERMANENT
 - SOUND BARRIER
 - OTHER: _____

- DELINEATORS (SECTION 612)
 - TEMPORARY
 - PERMANENT

- LIGHTING (SECTION 613) AND TRAFFIC CONTROL DEVICES (PERM) (SECTION 614)
 - SIGNAL POLE LOCATIONS AND ELEVATIONS
 - LIGHT POLE LOCATIONS AND ELEVATIONS
 - SIGN LOCATIONS
 - FIELD VERIFY SIGN POST LOCATIONS, ELEVATIONS, AND LENGTHS BEFORE FABRICATION
 - OTHER: _____

- PAVEMENT MARKING (SECTION 627)
 - STRIPING (TEMP)
 - STRIPING (PERM)
 - SYMBOLS
 - OTHER: STOP BARS
- TEMPORARY LIGHTING AND CONSTRUCTION TRAFFIC CONTROL DEVICES (SECTION 630)
 - SIGNAL POLE LOCATIONS AND ELEVATIONS (TEMP)
 - LIGHT POLE LOCATIONS AND ELEVATIONS (TEMP)
 - SIGN LOCATIONS (TEMP)
 - OTHER: _____
- ALL EASEMENTS (TEMP STAKING BY P.L.S. ONLY)
- RIGHT-OF-WAY (TEMP STAKING BY P.L.S. ONLY)


WORK PERFORMED BY THE CONTRACTOR'S SURVEYOR UNDER SECTION 629:

- MONUMENTATION (SECTION 629)
 - CONTROL
 - RIGHT-OF-WAY
 - LAND CORNERS, ALIQUOT CORNERS
 - EASEMENTS
 - REFERENCE THE SPECIFIED EXISTING MONUMENTS**
 - REPLACE THE SPECIFIED EXISTING MONUMENTS**
 - LOCATE MONUMENTS. IT IS ESTIMATED _____ HOURS ARE REQUIRED.
- NOTE: ALL 629 ITEMS SHALL INCLUDE ADEQUATE RESEARCH, CALCULATIONS AND EVALUATIONS OF EVIDENCE FOR MONUMENTS TO BE SET.
** A TABULATION OF SURVEY MONUMENTS MAY BE PROVIDED ON THE PLANS

GENERAL NOTES

1. UNLESS NOTED OTHERWISE ON THIS SURVEY TABULATION SHEET, ALL SURVEY WORK AND STAKING INTERVALS SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE CDOT SURVEY MANUAL.
2. ADEQUATE INFORMATION FOR ESTABLISHING LINES, GRADES, AND LOCATIONS FOR ALL WORK ITEMS HAVE BEEN SPECIFIED ON THE PLANS. ANY ADDITIONAL INFORMATION REQUIRED TO STAKE THE ITEM OR ELEMENT SHALL BE GENERATED BY THE CONTRACTOR'S SURVEYOR.
3. THE CONTRACTOR'S SURVEYOR SHALL PROVIDE AN ESTIMATE OF THE MAN-HOURS NECESSARY TO COMPLETE THE WORK ITEMS INDICATED ON THIS SHEET. A COPY OF THIS SHEET, WITH THE ESTIMATED MAN-HOURS WRITTEN ON THE BLANK LINE TO THE LEFT OF THE SPECIFIED ITEMS, SHALL BE SUBMITTED WITH THE SURVEY SCHEDULE TO THE ENGINEER _____ DAYS PRIOR TO THE PRESURVEY CONFERENCE - CONSTRUCTION SURVEY.
4. STAKES AND MONUMENTS WHICH ARE DAMAGED OR DESTROYED BY THE PROGRESS OF CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.
5. THE CONTRACTOR SHALL FURNISH AN AS-STAKED (OR GPS/RTS CONSTRUCTION MACHINE CONTROL) EARTHWORK QUANTITY REPORT TO THE ENGINEER PRIOR TO THE COMPLETION OF TWENTY PERCENT (20%) OF THE PLANNED EARTHWORK IN ANY PHASE AS PER THE CDOT SURVEY MANUAL. A PRINTED COPY OF THE AS-STAKED (OR GPS/RTS CONSTRUCTION MACHINE CONTROL) EARTHWORK DATA REPORT AND A COMPUTER DISK WITH THAT INFORMATION ON IT, IN THE SPECIFIED FORMAT SHALL BE SUBMITTED TO THE ENGINEER. THE CONTRACTOR SHALL FIELD VERIFY ORIGINAL GROUND CROSS SECTIONS AT A MAXIMUM 500 FOOT INTERVALS.
6. PRIOR TO BEGINNING WORK ON ANY SUBSEQUENT OPERATION, SUCH AS PLACING BASE COURSE OR PAVING, THE CONTRACTOR SHALL CERTIFY IN WRITING TO THE ENGINEER THAT THE FINAL GRADE IS WITHIN SPECIFIED TOLERANCE.
7. THE CONTRACTOR'S SURVEYOR SHALL PERFORM ALL FIELD SURVEYING AND CALCULATIONS NECESSARY TO THE PLAN GRADES INTO FIELD GRADES.
8. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION STAKING ON THE PROJECT WITH ANY UTILITY WORK.
9. FIELDBOOKS SHALL CONTAIN DAILY RECORDS OF POINTS SET AND OR MEASUREMENTS OBSERVED. THE INFORMATION RECORDED SHALL CONTAIN: DATE, CREW MEMBERS' NAMES, POINT No., DESCRIPTION, STAKING INFORMATION AND SKETCHES. IF THE SURVEY INFORMATION IS COLLECTED ELECTRONICALLY, INFORMATION RECORDED SHALL BE PROVIDED TO THE PROJECT ENGINEER IN A HARD COPY FORMAT THAT IS INTUITIVE, CLEAR AND RELATED TO THE SUPPLEMENTAL INFORMATION RECORDED IN THE FIELD BOOKS. ALL LINEAR SURVEYS, SUCH AS SLOPE STAKES AND BLUE TOPS, SHALL HAVE THE STATION AND OFFSET INFORMATION RELATED TO THE MEASURED INFORMATION. NON-LINEAR SURVEYS SUCH AS STRUCTURES STAKING SHALL HAVE SKETCHES RELATING ELECTRONIC INFORMATION, SUCH AS POINT NUMBERS, TO THE SKETCH.
10. THE CONTRACTOR'S SURVEYOR SHALL SUBMIT THE FOLLOWING FIELDBOOKS TO THE ENGINEER:
 - HORIZONTAL CONTROL (PRIMARY AND SECONDARY)
 - VERTICAL CONTROL (I.e. BENCHMARKS)
 - PROPERTY PIN TIES
 - HORIZONTAL ALIGNMENT
 - GRADING
 - SLOPE STAKING
 - MINOR STRUCTURES
 - MAJOR STRUCTURES
 - ONE FIELDBOOK FOR EACH WORK CATEGORY SHOWN ON THIS SHEET
 - OTHER FIELDBOOK(S): _____

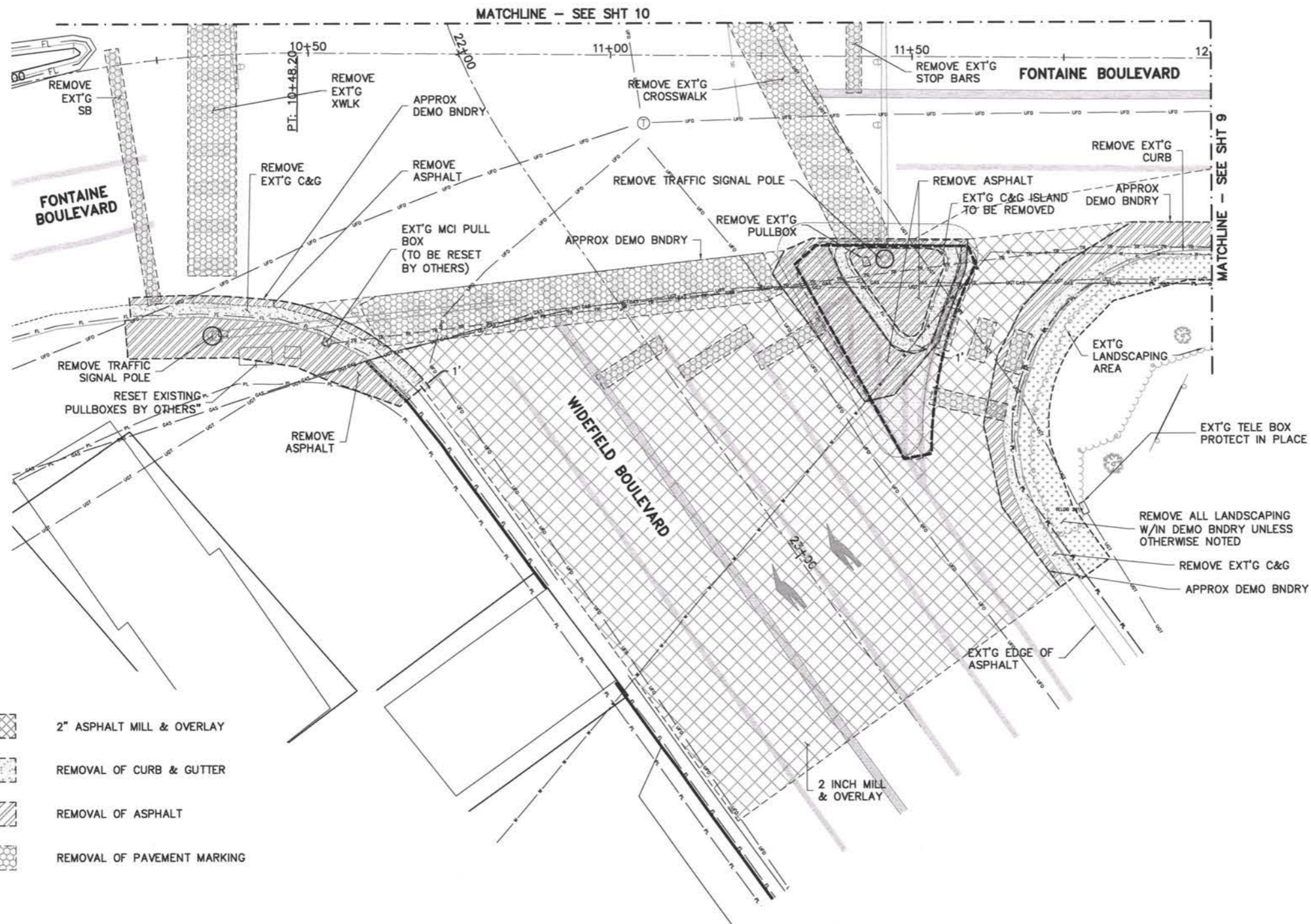
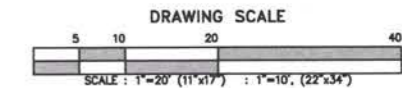


Computer File Information		Index of Revisions		 <p>El Paso County Department of Public Works 3275 Akers Drive Colorado Springs, Colorado 80922-1547 Ph: 719-520-6460 Fax: 719-520-6878 Division of Transportation</p>	As Constructed	Security Fontaine Intersection		Project No./Code		
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Acad. Ver. Civ3D 2020 Scale:	N/A	Units:	Feet		SheetSubset:		Subset Sheets:	of	Sheet Number	7

CALL UTILITY NOTIFICATION
CENTER OF COLORADO
811
CALL 3 BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES.



Know what's below.
Call before you dig.



LEGEND

- 2" ASPHALT MILL & OVERLAY
- REMOVAL OF CURB & GUTTER
- REMOVAL OF ASPHALT
- REMOVAL OF PAVEMENT MARKING

BID SET 3/1/22



Computer File Information		Index of Revisions		<p>El Paso County Department of Public Works 3275 Akers Drive Colorado Springs, Colorado 80922-1547 Ph: 719-520-6460 Fax: 719-520-6878 Capital Programs Division</p>	As Constructed	Security Fontaine Intersection		Project No./Code
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Last Modification Date:	3/7/2022	Initials:	DAN		Revised:	Designer:	JRA	Structure
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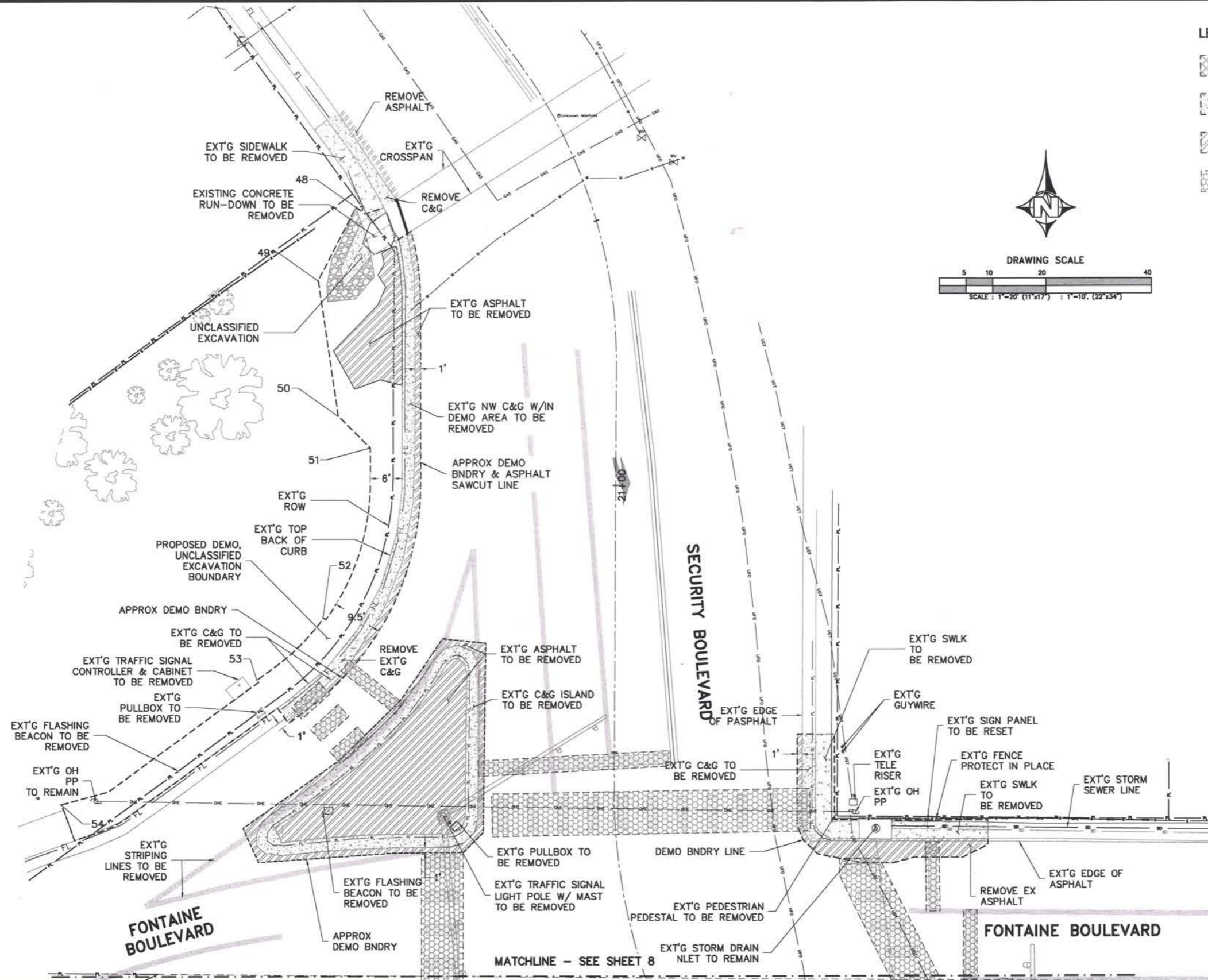
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CALL UTILITY NOTIFICATION
CENTER OF COLORADO
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BEFORE YOU DIG, GRADE OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES.




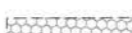


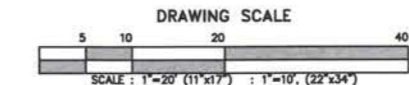
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BID SET 3/1/22



LEGEND

-  2" ASPHALT MILL & OVERLAY
-  REMOVAL OF CURB & GUTTER
-  REMOVAL OF ASPHALT
-  REMOVAL OF PAVEMENT MARKING

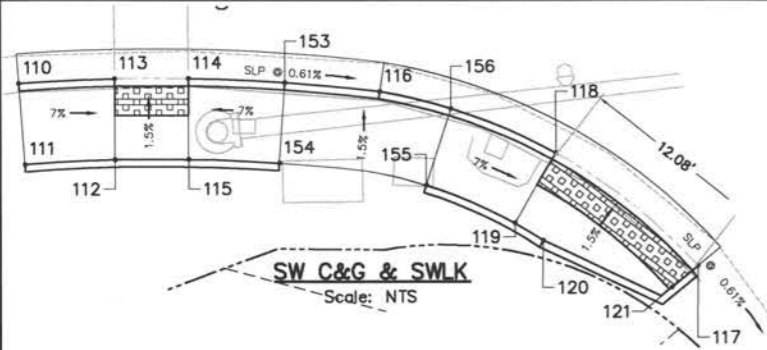


UNCLASSIFIED EXCAVATION PTS		
PNT #	NORTHING	EASTING
48	114565.0729	93006.6513
49	114551.3014	92999.4390
50	114525.9154	93003.1580
51	114519.9098	93009.1524
52	114488.0152	93000.2851
53	114476.4247	92987.7715
54	114453.0532	92950.8590



Computer File Information		Index of Revisions		El Paso County Colorado		As Constructed		Security Fontaine Intersection		Project No./Code			
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Last Modification Date:	3/7/2022	Initials:	DAN			Revised:		Designer: JRA		Structure Numbers			
Full Path:	P:\Proj-Cv3D-2018\Security-Fontaine-270235-19					3275 Akers Drive		Detailer: DAN		Sheet Subsets:		3 of 3	
Drawing File Name:	Demo - Demo3					Colorado Springs, Colorado 80922-1547		Remove Ex Asphalt		Subset Sheets:		Sheet Number 10	
Acad. Ver. Civ3D	2020	Scale:	1"=20'	Ph: 719-520-6460 Fax: 719-520-6878		Void:		Capital Programs Division					

CALL UTILITY NOTIFICATION CENTER OF COLORADO 811
 CALL 3 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.
811
 Know what's below. Call before you dig.

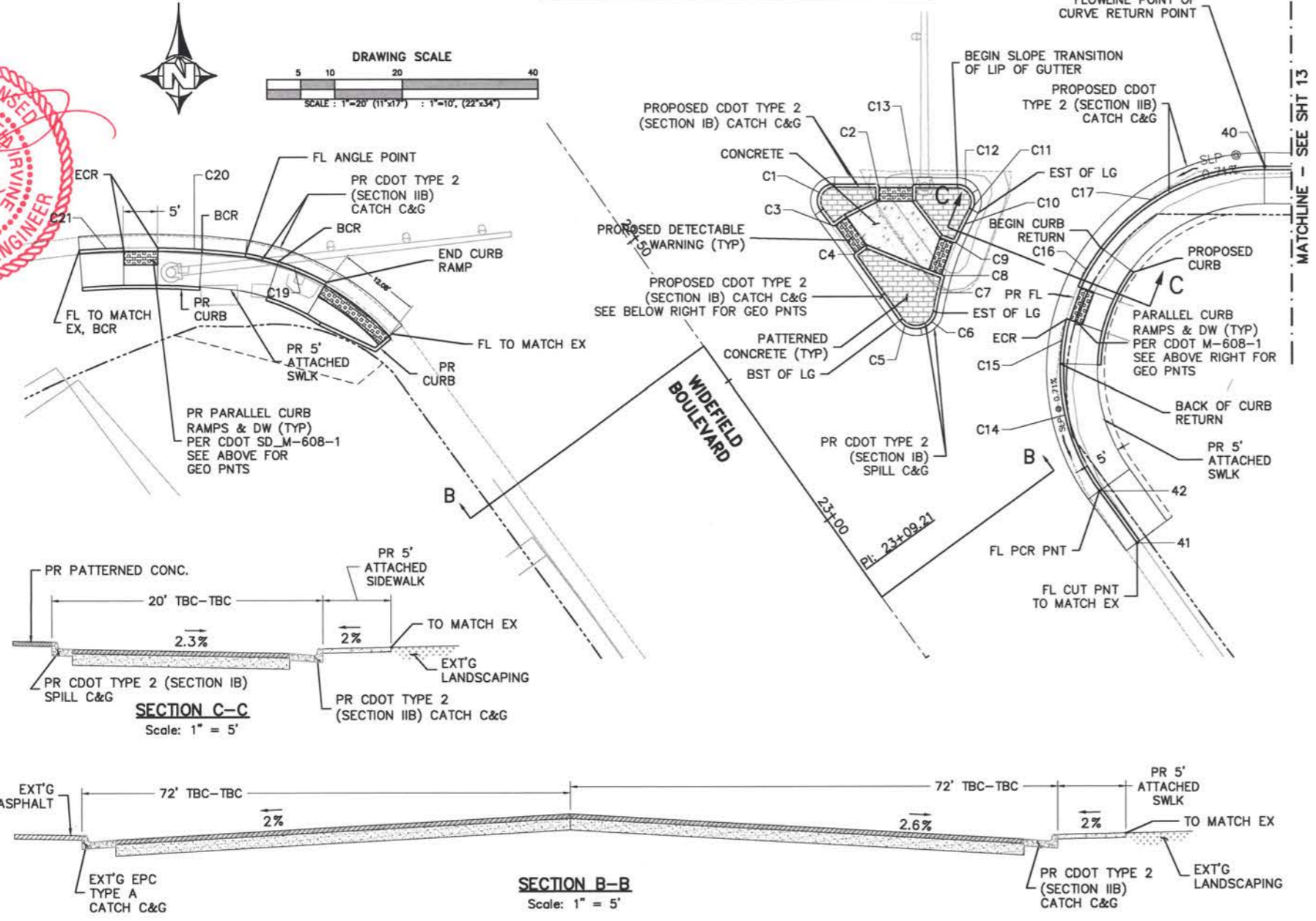


SW C&G & SWLK GEO PNTS				
PNT #	NAME	ELEV	NORTHING	EASTING
112	TBC LANDING	5689.63	114365.67	93015.47
113	FL	5689.52	114371.17	93015.44
114	FL	5689.49	114371.19	93020.46
115	TBC LANDING	5689.60	114365.69	93020.47
116	FL ANGLE PNT	5689.41	114370.31	93033.41
117	FL ANGLE PNT	5689.26	114358.46	93054.95
118	FL	5689.33	114366.08	93045.35
119	TBC LANDING	5689.44	114361.35	93042.55
120	TBC LANDING	5689.42	114360.18	93044.48
121	TBC LANDING	5689.31	114357.02	93053.19

EXISTING LINE LEGEND	
EDGE OF ROAD	_____
PROPERTY LINE	_____
WATER	_____
UNDERGROUND TELEPHONE	_____
UNDERGROUND FIBER OPTIC	_____
OVERHEAD ELECTRIC	_____
CHAIN LINK FENCE	_____
FLOWLINE	_____
GAS	_____
UNDERGROUND ELECTRIC	_____

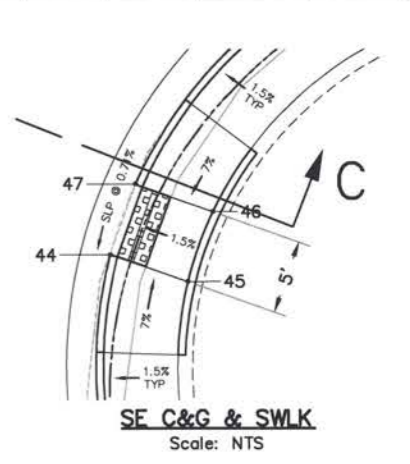
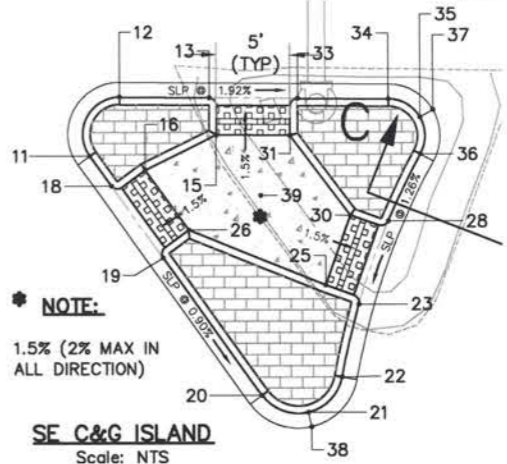
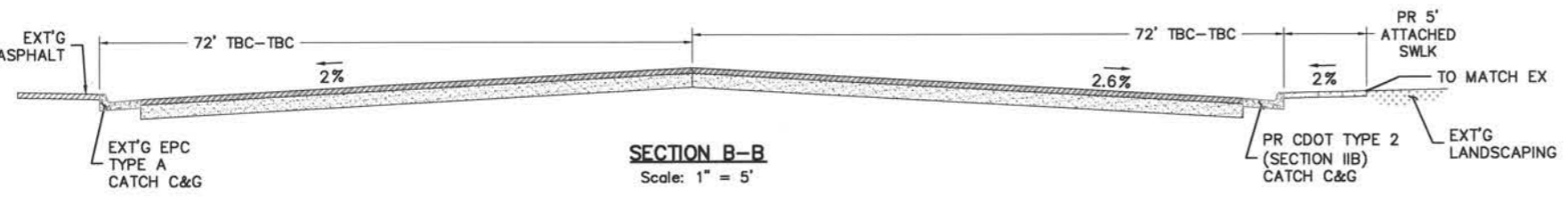
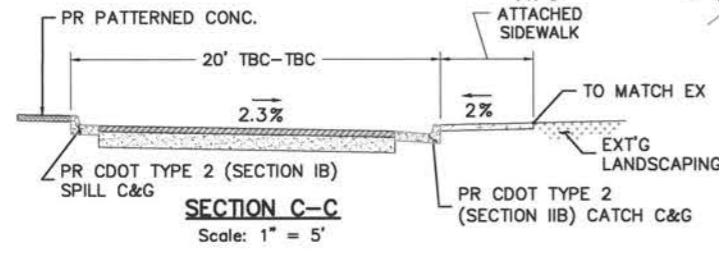
NOTE:
 1. ELEVATIONS ARE TO FLOWLINE OF CURB UNLESS OTHERWISE NOTED.
 2. DETECTABLE WARNING PADS SHALL BE MADE OF PAVERS WITH A TRUNCATED DOME SURFACE.

SE C&G & SWLK GEO PNTS				
PNT #	NAME	ELEV	NORTHING	EASTING
40	PCR, FL	5688.71	114382.88	93183.88
41	FL CUT PNT		114327.64	93164.87
42	PCR, FL		114335.25	93159.34
44	FL		114360.49	93154.59
45	TBC LANDING		114358.68	93159.81
46	TBC LANDING		114363.39	93161.48
47	FL	5688.46	114365.28	93156.30



CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA
C1	5.52	2.50	126.50
C2	0.79	0.50	90.00
C3	0.79	0.50	90.00
C4	0.79	0.50	90.00
C5	3.50	3.00	66.91
C6	3.50	3.00	66.91
C7	5.03	49.00	5.88
C8	0.76	0.50	86.53
C9	0.76	0.50	86.53
C10	5.03	49.00	5.88
C11	2.58	2.50	59.20
C12	2.58	2.50	59.20
C13	0.79	0.50	90.00
C14	19.91	30.00	38.03
C15	6.62	30.00	12.65
C16	6.62	30.00	12.65
C17	27.98	30.00	53.44
C19	12.73	38.00	19.19
C20	12.98	126.00	5.90
C21	6.53	126.00	2.97

SE C&G ISLAND GEO PNTS				
PNT #	NAME	ELEV	NORTHING	EASTING
11	PCR, FL	5689.32	114376.46	93118.28
12	PCR, FL	5689.45	114380.43	93120.32
13	PCR, FL	5689.33	114380.38	93126.44
15	DW		114377.87	93126.91
16	DW		114375.50	93122.06
18	PCR, FL	5689.26	114374.44	93119.75
19	PCR, FL	5689.12	114369.58	93123.27
20	PCR, FL	5689.22	114360.31	93130.01
21	FL	5688.79	114359.15	93133.10
22	PCR, FL	5688.81	114361.55	93135.39
23	PCR, FL	5688.88	114366.44	93136.53
25	DW	5688.95	114367.73	93134.31
26	DW		114371.46	93125.00
28	PCR, FL	5688.95	114372.04	93138.52
30	DW	5688.99	114372.44	93135.98
31	DW		114377.83	93131.91
33	PCR, FL	5689.22	114380.32	93132.43
34	PCR, FL	5689.10	114380.27	93138.55
35	FL	5689.05	114379.03	93140.69
36	PCR, FL	5689.02	114376.56	93140.72
37	LG	5689.13	114379.54	93141.55
38	LG	5689.11	114358.18	93133.33
39	HP		114373.78	93129.96



BID SET 3/1/22

Computer File Information Creation Date: 6/3/2021 Initials: DAN (R-) Last Modification Date: 3/7/2022 Initials: DAN (R-) Full Path: P:\Proj-Cv3D-2018\Security-Fontaine-270235-19 (R-) Drawing File Name: GeoPts - GeoPts1 (R-) Acad. Ver. Civ3D 2020 Scale: 1"=20' Units: Feet (R-)		Index of Revisions <table border="1"> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>																		 El Paso County Department of Public Works 3275 Akers Drive Colorado Springs, Colorado 80922-1547 Ph: 719-520-6460 Fax: 719-520-6878 Division of Transportation		As Constructed No Revisions: Revised: Void:		Security Fontaine Intersection Geometric Points 1 Designer: JRA Structure Detailer: DAN Numbers Sheet Subset: Subset Sheets: of Sheet Number 11		Project No./Code 270235	

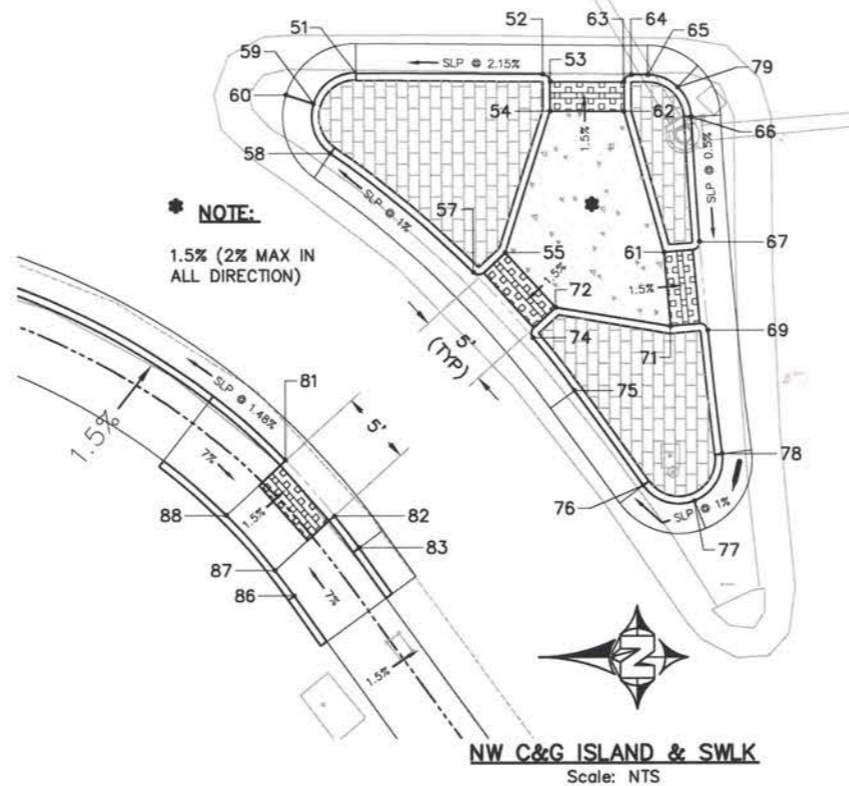
CALL UTILITY NOTIFICATION CENTER OF COLORADO 811
 CALL 3 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.



Know what's below. Call before you dig.

NE C&G & SWLK GEO PNTS			
PNT #	NAME	NORTHING	EASTING
81	FL RMP	114478.02	93000.98
82	FL RMP	114474.64	92997.22
83	PC, FL	114473.00	92995.08
86	PCR SWLK	114477.45	92991.85
87	TBC LANDING	114478.76	92993.56

CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA
C22	0.78	0.50	89.42
C23	8.39	293.50	1.64
C24	3.96	3.00	75.67
C25	3.96	3.00	75.67
C26	4.53	68.00	3.82
C27	0.76	0.50	87.49
C28	0.76	0.50	87.49
C29	12.59	68.00	10.60
C30	3.82	3.00	72.92
C31	3.82	3.00	72.92
C32	0.79	0.50	90.00
C33	0.79	0.50	90.00
C34	4.54	3.00	86.74
C35	8.50	293.50	1.66
C36	0.78	0.50	89.42
C37	7.07	4.50	90.00
C38	6.14	19.50	18.05
C39	2.70	50.00	3.10
C40	32.83	50.00	37.62

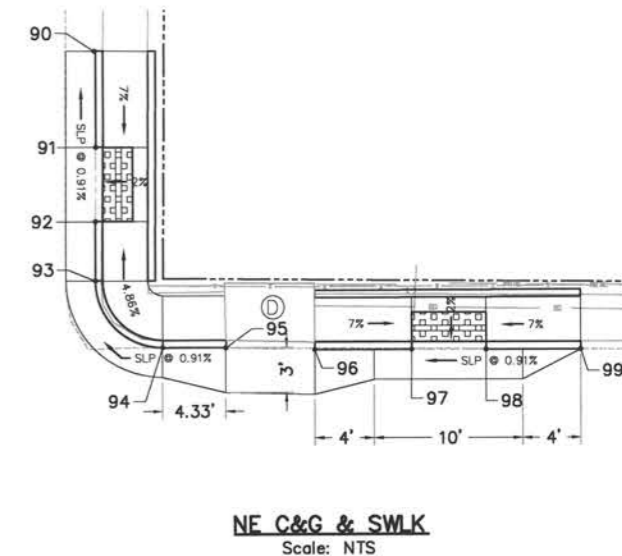
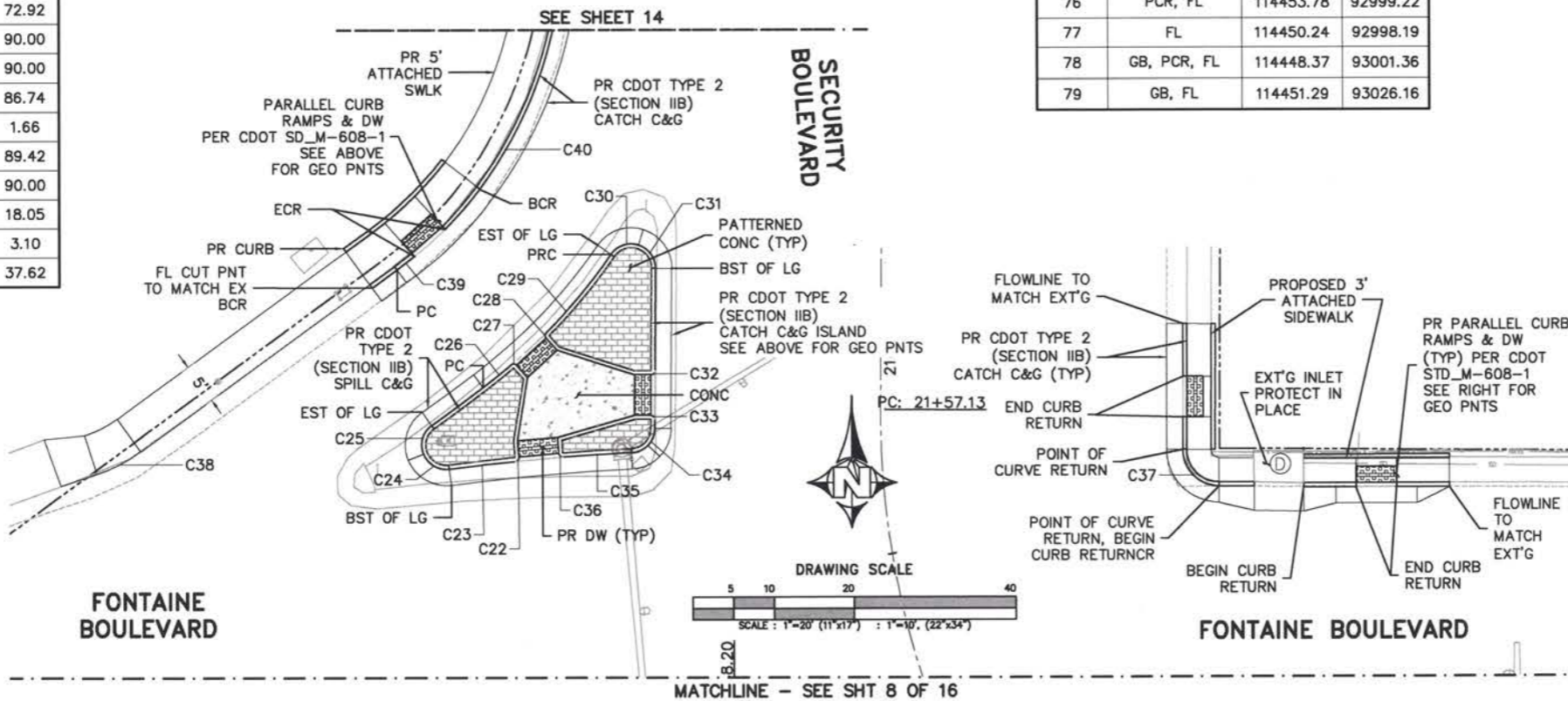


NW C&G ISLAND GEO PNTS			
PNT #	NAME	NORTHING	EASTING
51	PCR, FL	114473.11	93027.16
52	PCR, FL	114460.47	93027.06
53	PCR, DW	114459.97	93026.55
54	ANGLE PNT, DW	114459.99	93024.55
55	ANGLE PNT, DW	114463.03	93014.95
57	PCR, FL	114465.21	93013.62
58	PCR, FL	114474.84	93021.69
59	FL	114476.00	93025.07
60	LG	114477.90	93025.67
61	ANGLE PNT, DW	114452.28	93014.95
62	ANGLE PNT, DW	114454.99	93024.51
63	PCR, DW	114454.97	93026.51
64	PCR, FL	114454.47	93027.01
65	PCR, FL	114453.34	93027.00
66	PCR, FL	114450.37	93024.14
67	PCR, FL	114449.84	93015.66
69	PCR, FL	114449.31	93009.69
71	ANGLE PNT, DW	114451.84	93009.97
72	ANGLE PNT, DW	114459.67	93011.25
74	PCR, FL	114461.20	93009.21
75	PC, FL	114458.42	93005.63
76	PCR, FL	114453.78	92999.22
77	FL	114450.24	92998.19
78	GB, PCR, FL	114448.37	93001.36
79	GB, FL	114451.29	93026.16



EXISTING LINE LEGEND	
EDGE OF ROAD	---
PROPERTY LINE	PL --- PL --- PL --- PL --- PL ---
WATER	W --- W --- W --- W --- W ---
UNDERGROUND TELEPHONE	UGT --- UGT --- UGT --- UGT --- UGT ---
UNDERGROUND FIBER OPTIC	UFO --- UFO --- UFO --- UFO --- UFO ---
OVERHEAD ELECTRIC	OHE --- OHE --- OHE --- OHE --- OHE ---
CHAIN LINK FENCE	X --- X --- X --- X --- X ---
FLOWLINE	F --- F --- F --- F --- F ---
GAS	GAS --- GAS --- GAS --- GAS --- GAS ---
UNDERGROUND ELECTRIC	UGE --- UGE --- UGE --- UGE --- UGE ---

NE C&G & SWLK GEO PNTS			
PNT #	NAME	NORTHING	EASTING
91	FL DW	114459.61	93092.50
92	FL DW	114454.61	93092.48
93	PCR, FL	114450.60	93092.45
94	PCR, FL	114446.08	93096.93
95	FL INLET	114446.06	93101.27
96	FL INLET	114445.92	93107.35
97	FL DW	114445.92	93113.85
98	FL DW	114445.92	93118.85



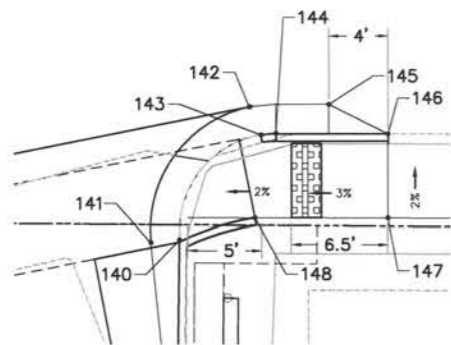
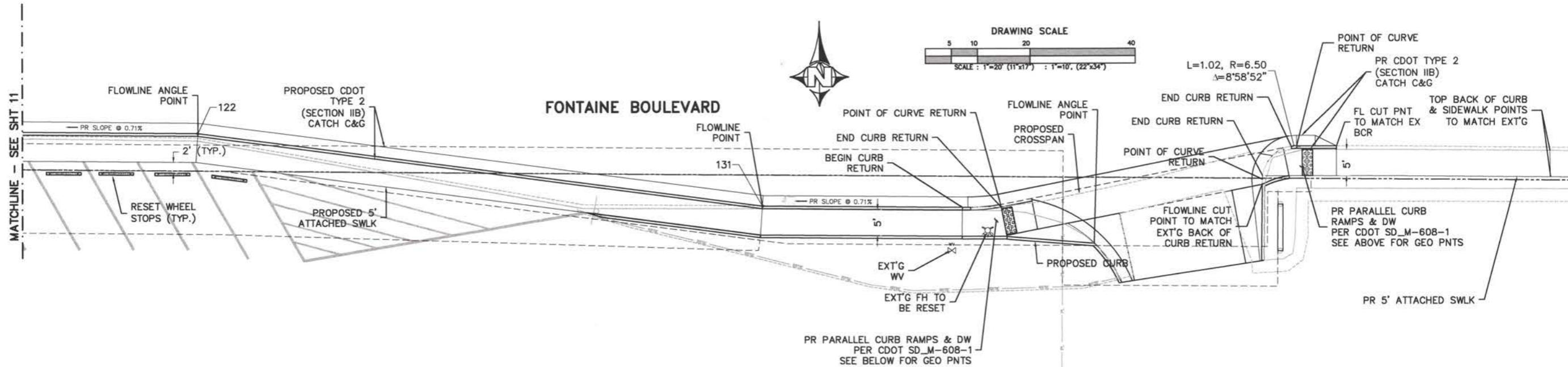
BID SET 3/1/22

Computer File Information		Index of Revisions		<p>El Paso County Department of Public Works 3275 Akers Drive Colorado Springs, Colorado 80922-1547 Ph: 719-520-6460 Fax: 719-520-6878 Division of Transportation</p>	As Constructed	Security Fontaine Intersection		Project No./Code
Creation Date:	6/3/2021	Initials:	DAN		No Revisions:	Geometric Points 2		270235
Last Modification Date:	3/7/2022	Initials:	DAN		Revised:	Designer:	JRA	Structure Numbers
Full Path:	P:\Proj-Cv3D-2018\Security-Fontaine-270235-19				Void:	Detailer:	DAN	
Drawing File Name:	GeoPnts - GeoPnts2				SheetSubset:			Subset Sheets: of
Acad. Ver. Civ3D 2020	Scale: 1"=20'	Units:	Feet					Sheet Number 12

CALL UTILITY NOTIFICATION
CENTER OF COLORADO
811
CALL 3 BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES.

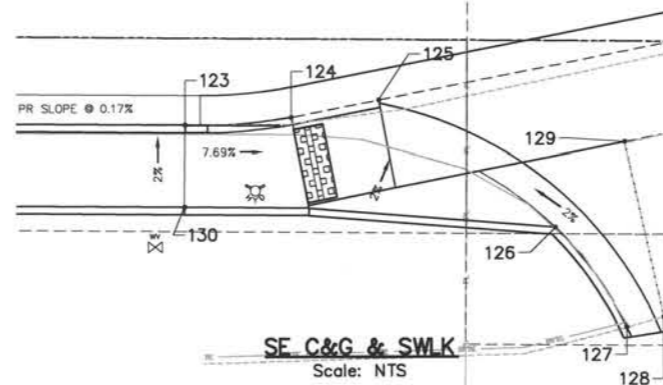


BID SET 3/1/22



E C&G & SWLK
Scale: NTS

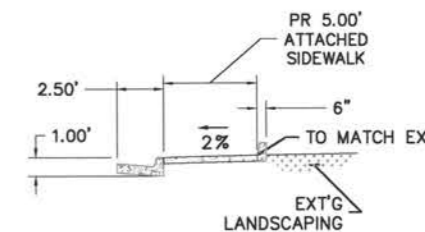
E C&G & SWLK GEO PNTS				
PNT #	NAME	ELEV	NORTHING	EASTING
140	FL CUT PNT	0.00	114372.52	93434.26
141	PCR	0.00	114372.35	93432.33
142	FL RMP	0.00	114381.47	93439.02
143	FL RMP	5690.85	114379.58	93439.80
144	PCR, FL	5690.88	114379.65	93440.81
145	LG	5690.71	114381.64	93444.38
146	FL CUT PNT	5690.87	114379.62	93448.37
147	RMP, SWLK	5691.47	114373.95	93448.35
148	DW, SWLK	0.00	114373.99	93439.37



SE C&G & SWLK
Scale: NTS

SE C&G & SWLK GEO PNTS				
PNT #	NAME	ELEV	NORTHING	EASTING
122	ANGLE PNT FL	5689.06	114382.47	93231.16
123	RMP FL	5690.10	114368.16	93377.05
124	RMP FL	0.00	114368.67	93384.33
125	PCR FL	0.00	114369.83	93390.22
126	ANGLE PNT FL	0.00	114361.27	93402.10
127	FL	5690.69	114354.49	93406.97
128	XPAN	5690.77	114355.17	93409.51
129	XPAN	0.00	114366.99	93406.86
130	TBC RMP	5690.71	114362.66	93377.00
131	ANGLE PNT FL	5689.83	114368.49	93338.85

EXISTING LINE LEGEND	
EDGE OF ROAD	_____
PROPERTY LINE	_____ PL _____ PL _____ PL _____ PL _____
WATER	_____ W _____ W _____ W _____ W _____ W _____
UNDERGROUND TELEPHONE	_____ UGT _____ UGT _____ UGT _____ UGT _____ UGT _____
UNDERGROUND FIBER OPTIC	_____ UFO _____ UFO _____ UFO _____ UFO _____ UFO _____
OVERHEAD ELECTRIC	_____ OHE _____ OHE _____ OHE _____ OHE _____ OHE _____
CHAIN LINK FENCE	_____ CLF _____ CLF _____ CLF _____ CLF _____ CLF _____
FLOWLINE	_____ FL _____ FL _____ FL _____ FL _____ FL _____
GAS	_____ GAS _____ GAS _____ GAS _____ GAS _____ GAS _____
UNDERGROUND ELECTRIC	_____ UGE _____ UGE _____ UGE _____ UGE _____ UGE _____



ATTACHED SIDEWALK DETAIL
Scale: NTS

Computer File Information		Index of Revisions		El Paso County Department of Public Works 3275 Akers Drive Colorado Springs, Colorado 80922-1547 Ph: 719-520-6460 Fax: 719-520-6878 Division of Transportation	As Constructed		Security Fontaine Intersection Geometric Points 3		Project No./Code		
Creation Date:	6/3/2021	Initials:	DAN		(R-)	No Revisions:				270235	
Last Modification Date:	3/7/2022	Initials:	DAN	(R-)	Revised:	Designer:	JRA	Structure			
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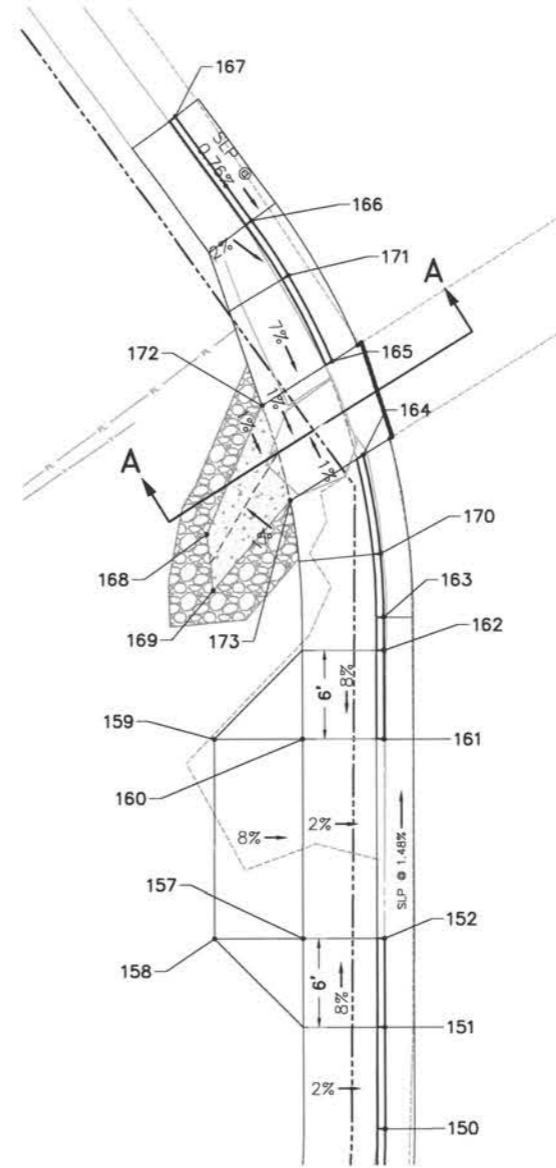
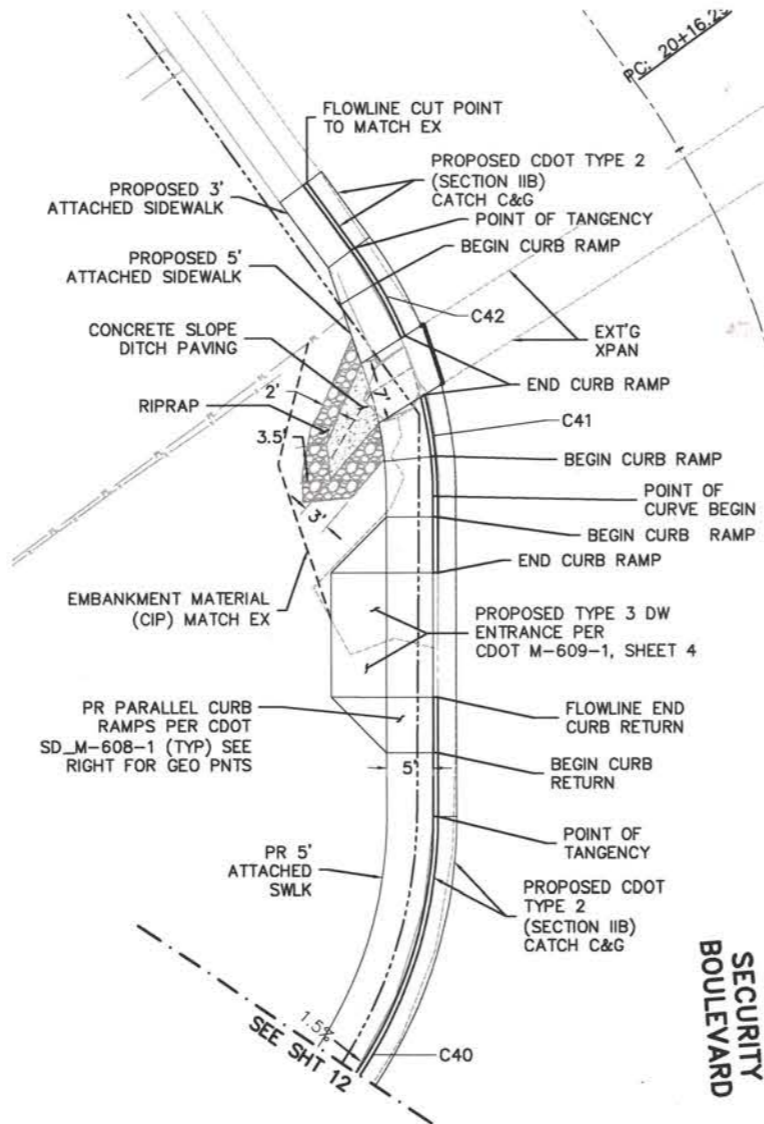


CALL UTILITY NOTIFICATION CENTER OF COLORADO 811
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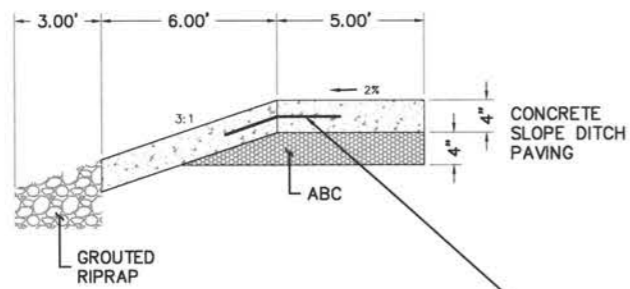


Know what's below. Call before you dig.

CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA
C40	32.83	50.00	37.62
C41	11.05	45.00	14.07
C42	6.49	45.00	8.27

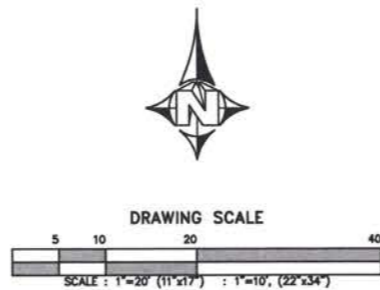


NW C&G, SWLK & DRIVEWAY GEO PNTS				
PNT #	NAME	ELEV	NORTHING	EASTING
150	FL PT	5689.63	114513.45	93015.75
151	FL RMP	5689.53	114520.32	93015.75
152	FL DRIVEWAY	5689.44	114526.32	93015.76
157	DRIVEWAY, SWLK	5689.55	114526.32	93010.26
158	DRIVEWAY	5690.03	114526.33	93004.26
159	DRIVEWAY	5689.83	114539.76	93004.27
160	DRIVEWAY, SWLK	5689.35	114539.75	93010.27
161	FL DRIVEWAY	5689.24	114539.74	93015.77
162	FL RMP	5689.15	114545.74	93015.78
163	FL PC	5689.12	114547.98	93015.78
164	FL XPAN	5688.95	114558.92	93014.44
165	FL XPAN	5688.95	114565.26	93012.34
166	FL PT	5689.04	114574.76	93006.98
167	FL CUT PNT	5689.10	114581.81	93001.77
168	DRAINAGE PAN	5687.06	114553.59	93003.81
169	DRAINAGE PAN	5687.06	114549.79	93004.23
170	FL RMP	5689.05	114552.28	93015.58
171	FL RMP	5689.00	114571.06	93009.43
172	DRAINAGE SWLK	5689.06	114562.28	93007.61
173	DRAINAGE SWLK	5689.06	114555.85	93009.49



SECTION A-A
Scale: NTS

SLOPE AND DITCH PAVING w/6"x6" WIRE MESH CENTER OF PAVEMENT EMBED 2.5' INTO PAVEMENT. MESH TO BE INCLUDED WITH THE COST OF WORK.



NW C&G, SWLK & DRIVEWAY
Scale: NTS

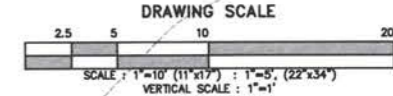
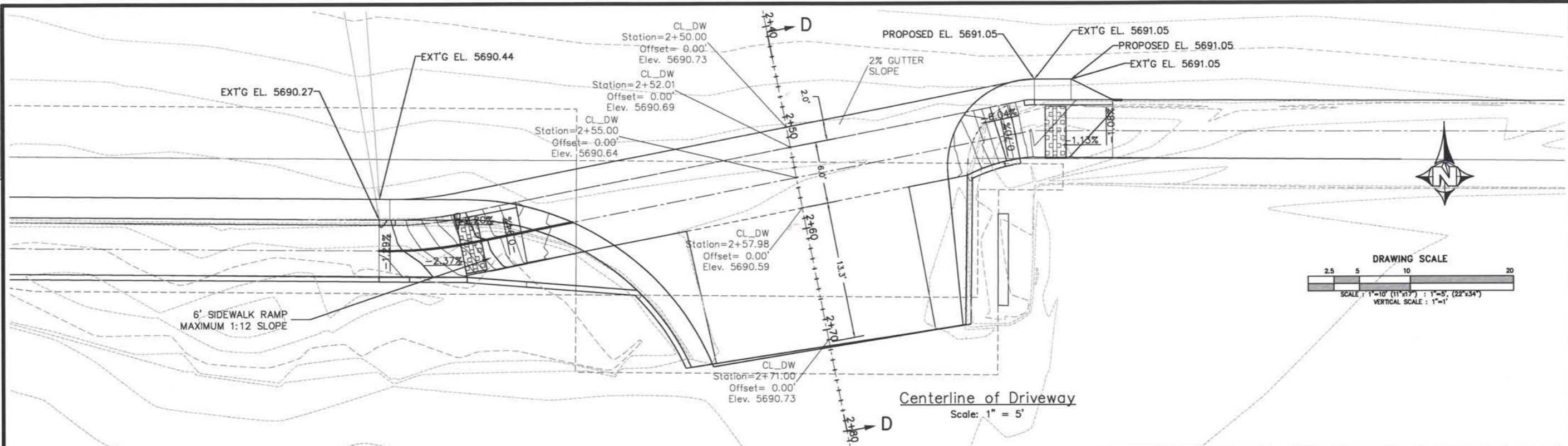
EXISTING LINE LEGEND	
EDGE OF ROAD	_____
PROPERTY LINE	PL _____ PL _____ PL _____ PL _____
WATER	W _____ W _____ W _____ W _____
UNDERGROUND TELEPHONE	UGT _____ UGT _____ UGT _____ UGT _____
UNDERGROUND FIBER OPTIC	UFO _____ UFO _____ UFO _____ UFO _____
OVERHEAD ELECTRIC	OHE _____ OHE _____ OHE _____ OHE _____
CHAIN LINK FENCE	X _____ X _____ X _____ X _____
FLOWLINE	FL _____ FL _____ FL _____ FL _____
GAS	GAS _____ GAS _____ GAS _____ GAS _____
UNDERGROUND ELECTRIC	UOE _____ UOE _____ UOE _____ UOE _____



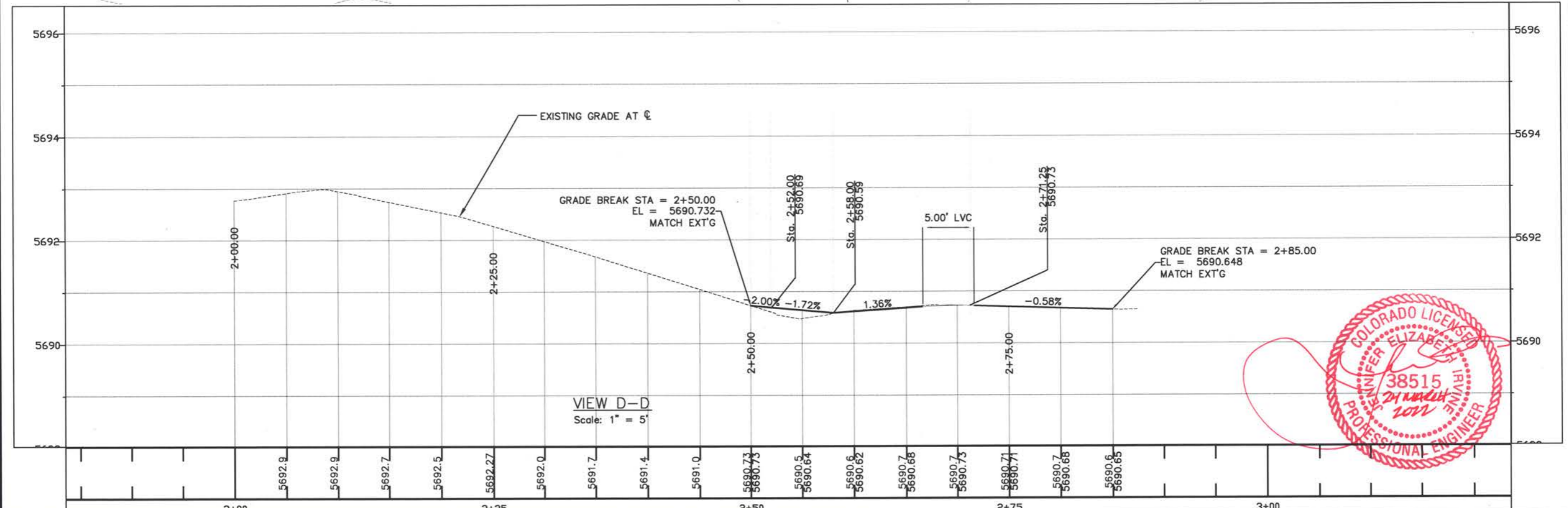
BID SET 3/7/22

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Last Modification Date:	3/7/2022	Initials:	DAN	(R-)		Colorado Springs, Colorado 80922-1547	Revised:	Designer:	JRA	Structure	
Full Path:	P:\Proj-Cv3D-2018\Security-Fontaine-270235-19			(R-)		Ph: 719-520-6460 Fax: 719-520-6878	Void:	Detailer:	DAN	Numbers	
Drawing File Name:	GeoPnts - GeoPnts4			(R-)		Division of Transportation		SheetSubset:		Subset Sheets:	of
Acad. Ver. Civ3D 2020	Scale: 1"=20'	Units:	Feet	(R-)							Sheet Number 14

CALL UTILITY NOTIFICATION CENTER OF COLORADO 811
 CALL 3 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.



BID SET 3/7/22



Computer File Information		Index of Revisions		<p>El Paso County Department of Public Works 3275 Akers Drive Colorado Springs, Colorado 80922-1547 Ph: 719-520-6460 Fax: 719-520-6878 Division of Transportation</p>	As Constructed		Security Fontaine Intersection Centerline of Driveway		Project No./Code 270235		
Creation Date:	5/19/2021	Initials:	DAN		(R-)	No Revisions:	Designer:	JRA	Structure		
Last Modification Date:	3/7/2022	Initials:	DAN		(R-)	Revised:	Detailer:	DAN	Numbers		
Full Path:	P:\Proj-Cv3D-2018\Security-Fontaine-270235-19				(R-)	Void:	SheetSubset:		Subset Sheets:	of	Sheet Number 15
Drawing File Name:	Tres_Flowline_Align_Source - Sht04DW			(R-)							
Acad. Ver. Civ3D 2020	Scale: 1" = 10'	Units:	Feet	(R-)							

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CALL UTILITY NOTIFICATION
CENTER OF COLORADO
811
CALL 3 BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES.



Know what's below.
Call before you dig.



FONTAINE BOULEVARD

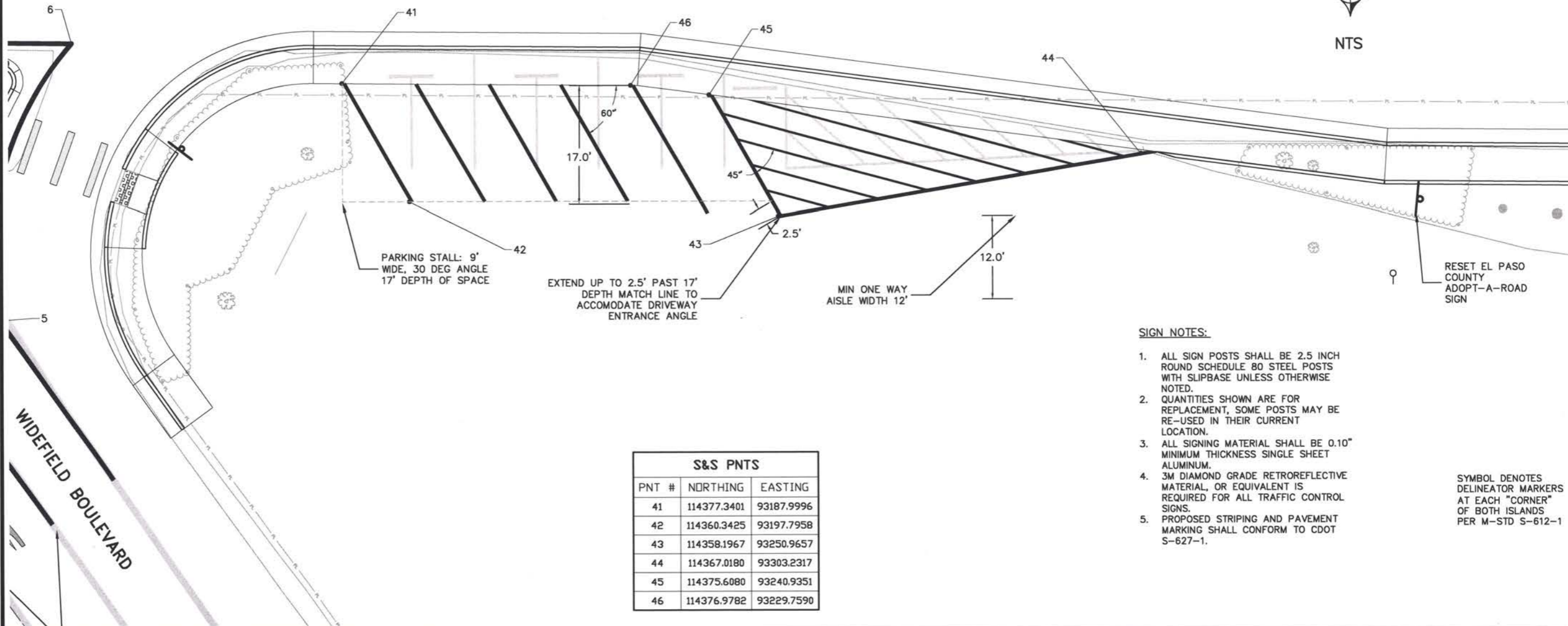
12+50

13+00

13+50



NTS



PARKING STALL: 9'
WIDE, 30 DEG ANGLE
17' DEPTH OF SPACE

EXTEND UP TO 2.5' PAST 17'
DEPTH MATCH LINE TO
ACCOMMODATE DRIVEWAY
ENTRANCE ANGLE

MIN ONE WAY
AISLE WIDTH 12'

RESET EL PASO
COUNTY
ADOPT-A-ROAD
SIGN

SIGN NOTES:

1. ALL SIGN POSTS SHALL BE 2.5 INCH ROUND SCHEDULE 80 STEEL POSTS WITH SLIPBASE UNLESS OTHERWISE NOTED.
2. QUANTITIES SHOWN ARE FOR REPLACEMENT, SOME POSTS MAY BE RE-USED IN THEIR CURRENT LOCATION.
3. ALL SIGNING MATERIAL SHALL BE 0.10" MINIMUM THICKNESS SINGLE SHEET ALUMINUM.
4. 3M DIAMOND GRADE RETROREFLECTIVE MATERIAL, OR EQUIVALENT IS REQUIRED FOR ALL TRAFFIC CONTROL SIGNS.
5. PROPOSED STRIPING AND PAVEMENT MARKING SHALL CONFORM TO CDOT S-627-1.

SYMBOL DENOTES
DELINEATOR MARKERS
AT EACH "CORNER"
OF BOTH ISLANDS
PER M-STD S-612-1

S&S PNTS		
PNT #	NORTHING	EASTING
41	114377.3401	93187.9996
42	114360.3425	93197.7958
43	114358.1967	93250.9657
44	114367.0180	93303.2317
45	114375.6080	93240.9351
46	114376.9782	93229.7590

BID SET 3/1/22

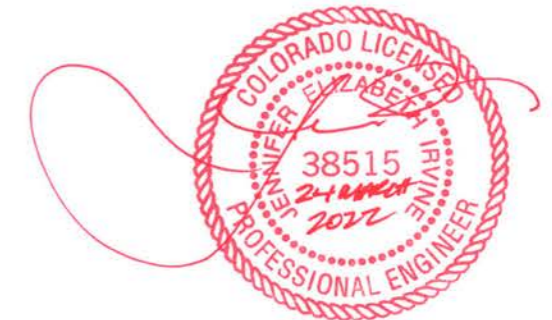
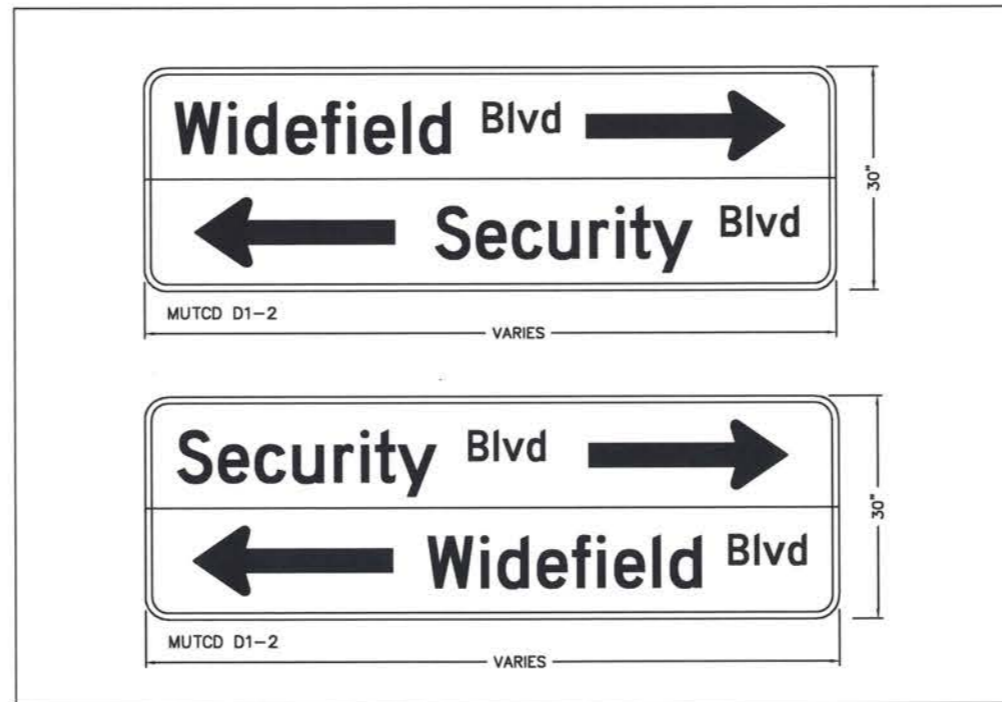
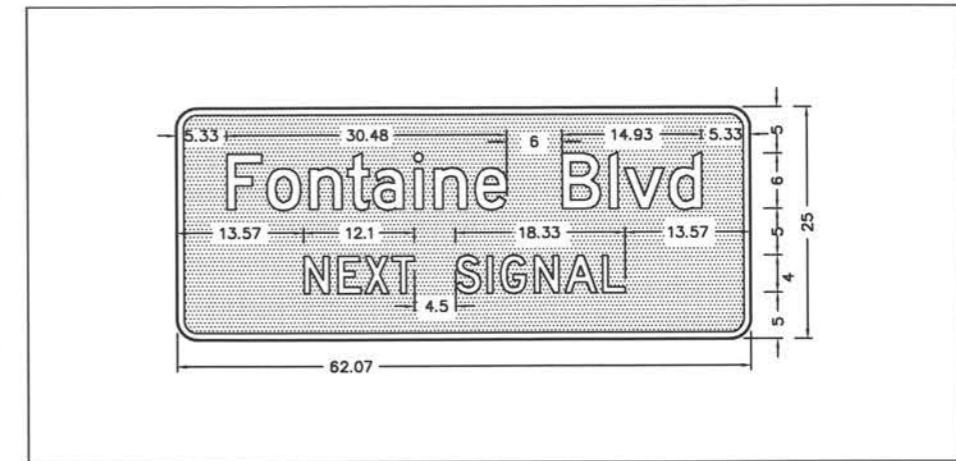
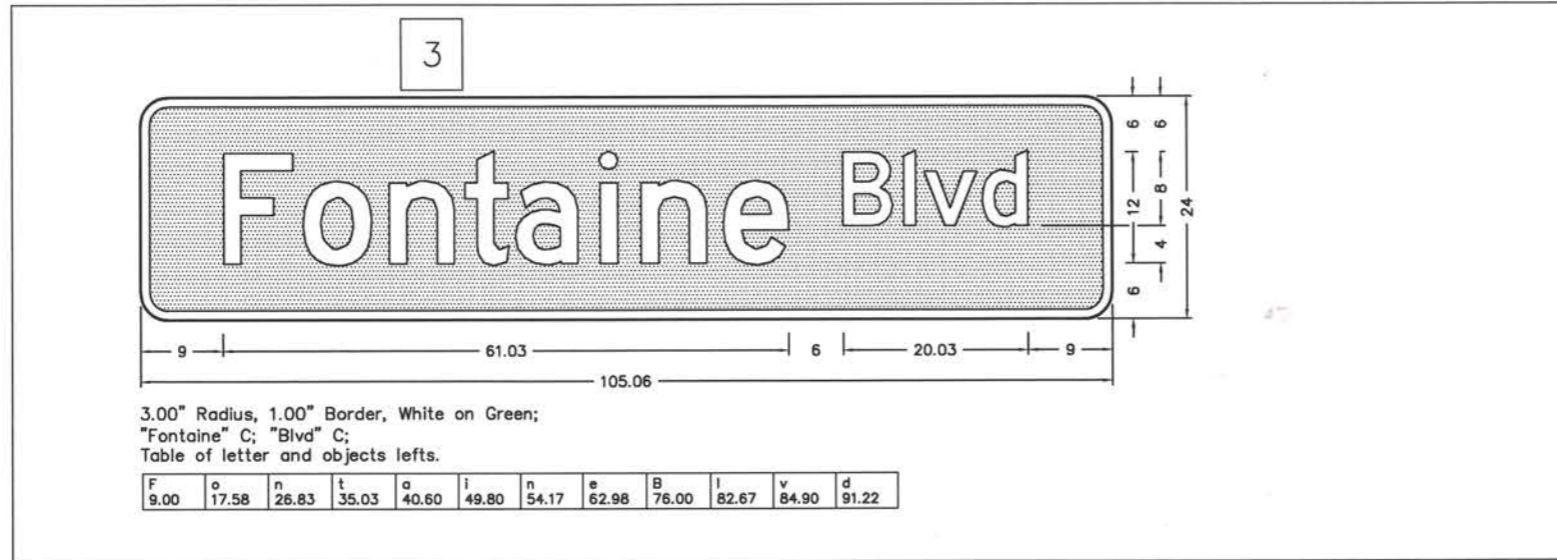
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Creation Date:	6/15/2021	Initials:	DAN		No Revisions:	Parking Lot Striping		270235
Last Modification Date:	3/7/2022	Initials:	DAN		Revised:	Designer:	JRA	Structure
Full Path:	P:\Proj-Cv3D-2018\Security-Fontaine-270235-19	Initials:	DAN		Void:	Detailer:	DAN	Numbers
Drawing File Name:	SignStripe - PkLotStripe	Initials:	DAN		SheetSubset:	Subset Sheets:	of	Sheet Number
Acad. Ver. Civ3D 2020	Scale: 1"=20'	Units:	Feet					17

CALL UTILITY NOTIFICATION
CENTER OF COLORADO
811
CALL 3 BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES.



Know what's below.
Call before you dig.

BID SET 3/7/22



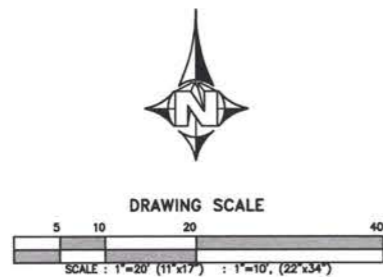
Computer File Information		Index of Revisions		<p>El Paso County Department of Public Works 3275 Akers Drive Colorado Springs, Colorado 80922-1547 Ph: 719-520-6460 Fax: 719-520-6878 Division of Transportation</p>	As Constructed	Security Fontaine Intersection		Project No./Code
Creation Date:	12/11/20	Initials:	DAN		No Revisions:			270235
Last Modification Date:	3/7/2022	Initials:	DAN		Revised:	Designer:	JRA	Structure
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Drawing File Name:	SignDets - SignDet					SheetSubset:		Subset Sheets:
Acad. Ver. Civ3D 2020	Scale: NA	Units:	Feet				of	Sheet Number 18

CALL UTILITY NOTIFICATION
CENTER OF COLORADO
811
CALL 3 BUSINESS DAYS IN ADVANCE
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FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES.



Know what's below.
Call before you dig.

PH PNT TABLE				
PNT #	DESCRIPTION	ELEVATION	NORTHING	EASTING
6	PH, STORM	5691.030	114442.0901	92990.5591
7	PH, UGT	5691.224	114445.8781	93100.4305
8	PH, STORM	5691.390	114448.1933	93104.2674
9	PH, WATER	5689.270	114546.7131	93018.2133

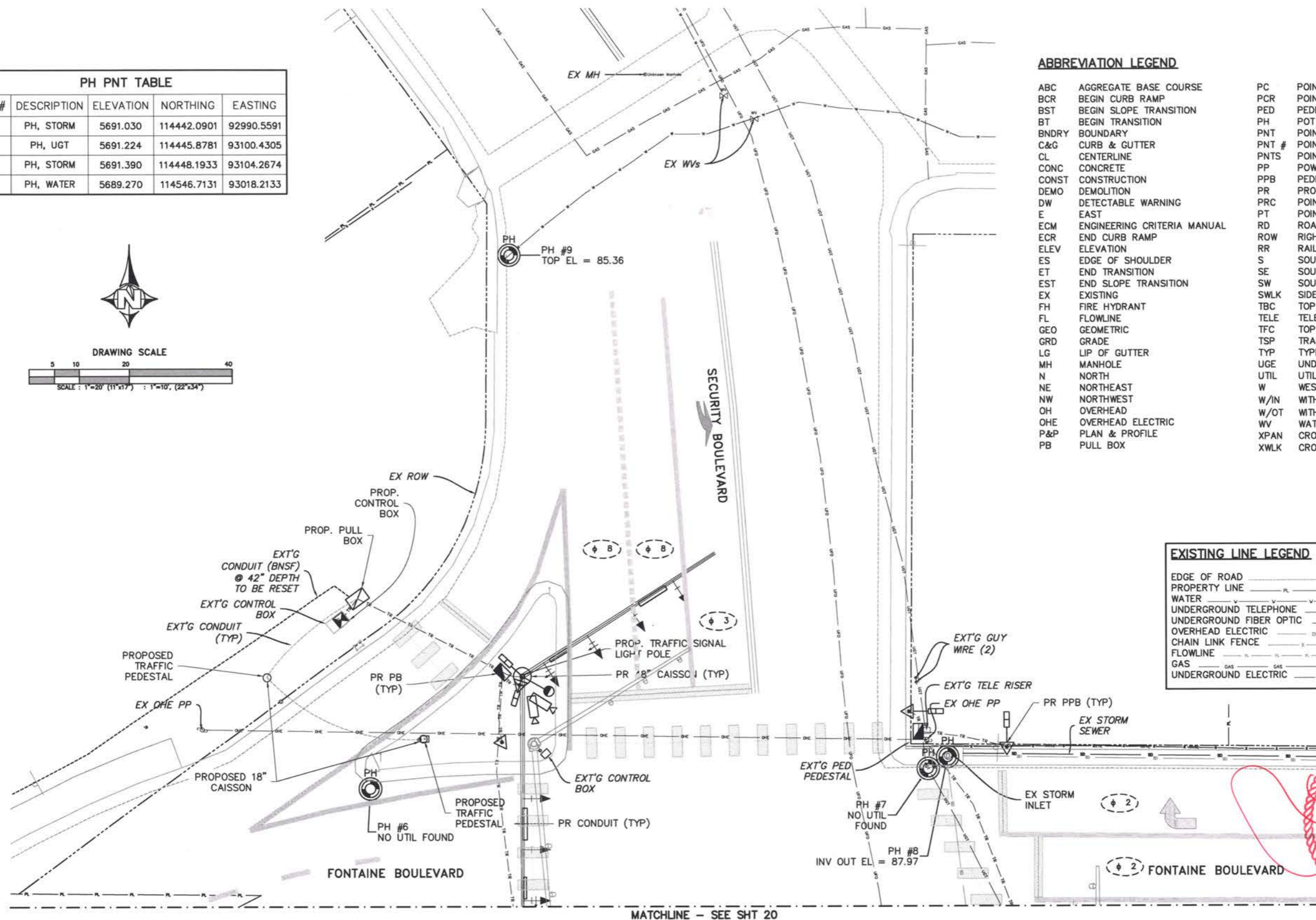


ABBREVIATION LEGEND

ABC	AGGREGATE BASE COURSE	PC	POINT OF CURVATURE
BCR	BEGIN CURB RAMP	PCR	POINT OF CURVATURE RETURN
BST	BEGIN SLOPE TRANSITION	PED	PEDESTRIAN
BT	BEGIN TRANSITION	PH	POT HOLE
BNDRY	BOUNDARY	PNT	POINT
C&G	CURB & GUTTER	PNT #	POINT NUMBER
CL	CENTERLINE	PNTS	POINTS
CONC	CONCRETE	PP	POWER POLE
CONST	CONSTRUCTION	PPB	PEDESTRIAN PUSH BUTTON
DEMO	DEMOLITION	PR	PROPOSED
DW	DETECTABLE WARNING	PRC	POINT OF REVERSE CURVE
E	EAST	PT	POINT OF TANGENCY
ECM	ENGINEERING CRITERIA MANUAL	RD	ROAD
ECR	END CURB RAMP	ROW	RIGHT OF WAY
ELEV	ELEVATION	RR	RAILROAD
ES	EDGE OF SHOULDER	S	SOUTH
ET	END TRANSITION	SE	SOUTHEAST
EST	END SLOPE TRANSITION	SW	SOUTHWEST
EX	EXISTING	SWLK	SIDEWALK
FH	FIRE HYDRANT	TBC	TOP BACK OF CURB
FL	FLOWLINE	TELE	TELEPHONE
GEO	GEOMETRIC	TFC	TOP FRONT OF CURB
GRD	GRADE	TSP	TRAFFIC SIGNAL POLE
LG	LIP OF GUTTER	TYP	TYPICAL
MH	MANHOLE	UGE	UNDERGROUND ELECTRIC
N	NORTH	UTIL	UTILITY
NE	NORTHEAST	W	WEST
NW	NORTHWEST	W/IN	WITHIN
OH	OVERHEAD	W/OT	WITHOUT
OHE	OVERHEAD ELECTRIC	WV	WATER VALVE
P&P	PLAN & PROFILE	XPAN	CROSS PAN
PB	PULL BOX	XWLK	CROSS WALK

EXISTING LINE LEGEND

EDGE OF ROAD	_____
PROPERTY LINE	_____ PL _____ PL _____ PL _____ PL _____
WATER	_____ V _____ V _____ V _____ V _____ V _____
UNDERGROUND TELEPHONE	_____ UGT _____ UGT _____ UGT _____ UGT _____
UNDERGROUND FIBER OPTIC	_____ UFD _____ UFD _____ UFD _____ UFD _____
OVERHEAD ELECTRIC	_____ OHE _____ OHE _____ OHE _____ OHE _____
CHAIN LINK FENCE	_____ X _____ X _____ X _____ X _____ X _____
FLOWLINE	_____ FL _____ FL _____ FL _____ FL _____ FL _____
GAS	_____ GAS _____ GAS _____ GAS _____ GAS _____ GAS _____
UNDERGROUND ELECTRIC	_____ UGE _____ UGE _____ UGE _____ UGE _____




BID SET 3/1/22

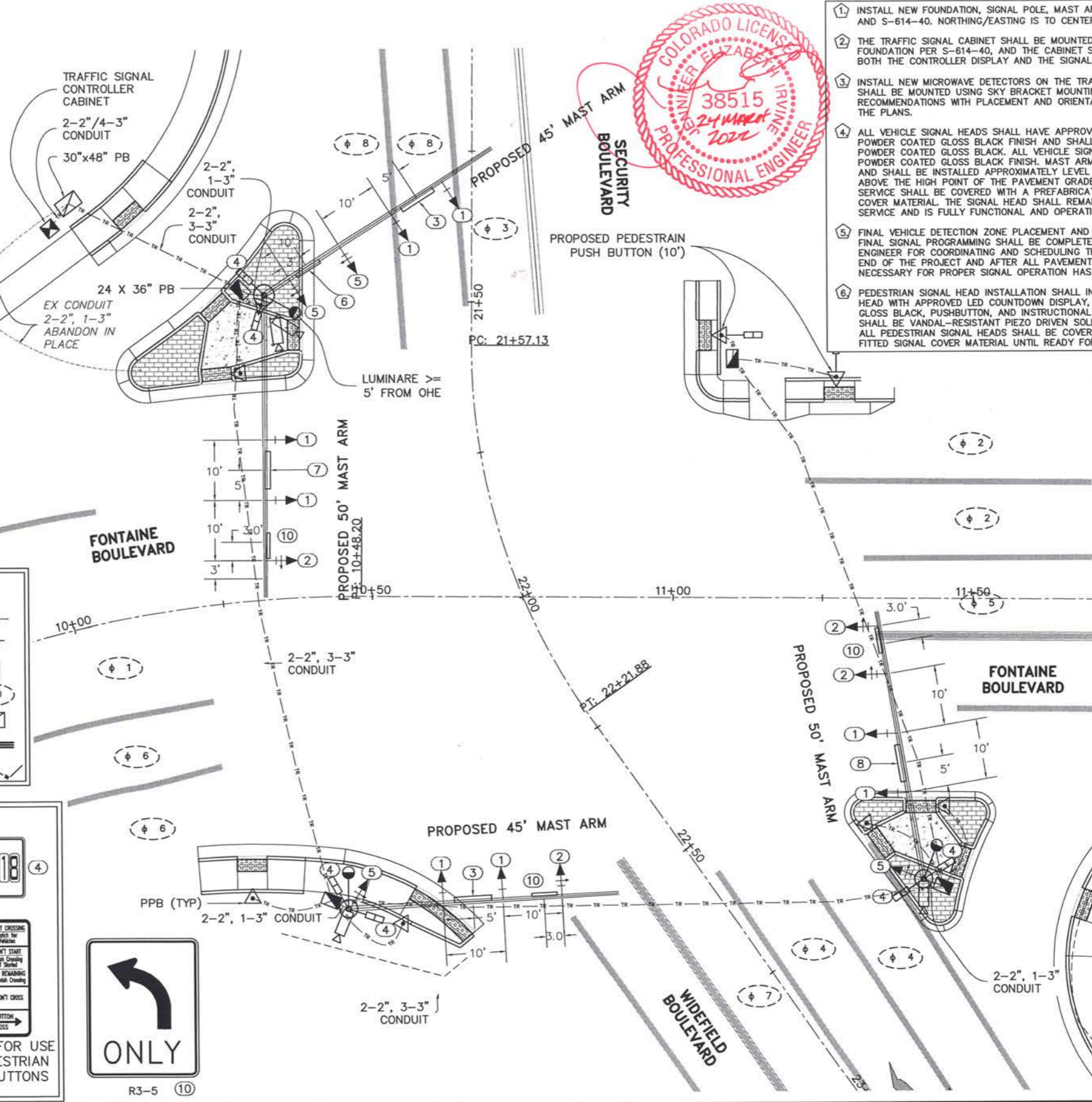
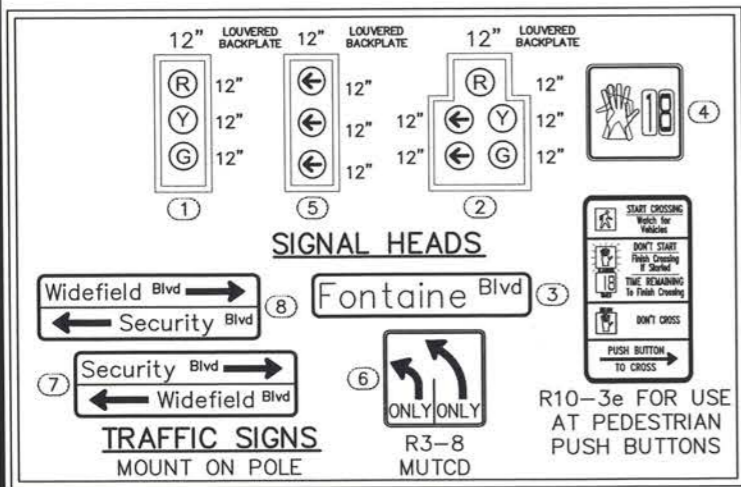
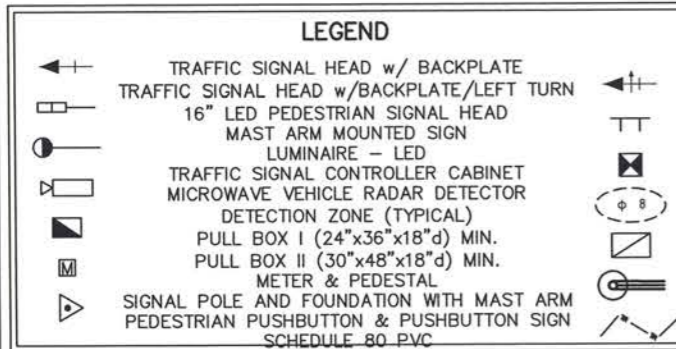
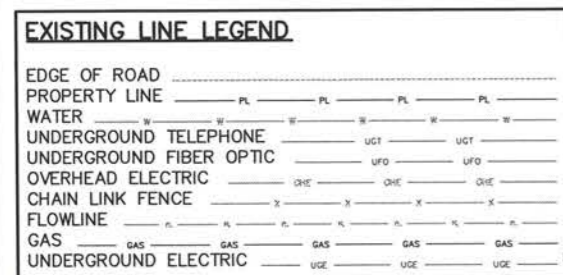
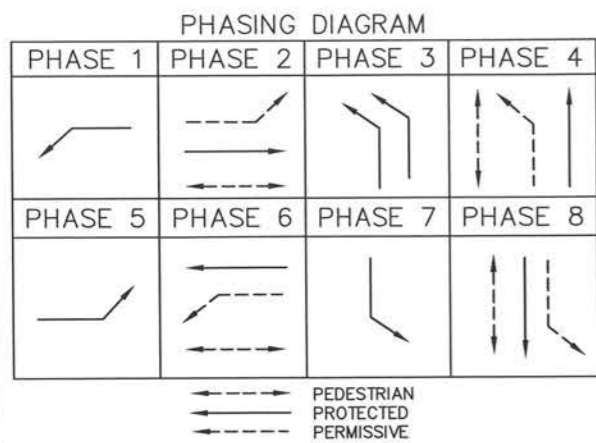
MATCHLINE - SEE SHT 20

Computer File Information		Index of Revisions		El Paso County Colorado		As Constructed		Security Fontaine Intersection		Project No./Code	
Creation Date:	6/2/2021	Initials:	DAN			No Revisions:		Subsurface Utility Plan 1		270235	
Last Modification Date:	3/7/2022	Initials:	DAN			Revised:		Designer: JRA		Structure	
Full Path:	P:\Proj-Cv3D-2018\Security-Fontaine-270235-19					Void:		Detailer: DAN		Numbers	
Drawing File Name:	Utils - Util1					Division of Transportation		Sheet/Subset:		Subset Sheets: of	
Acad. Ver. Civ3D	2020 Scale: 1"=20'	Units:	Feet							Sheet Number 19	

CALL UTILITY NOTIFICATION CENTER OF COLORADO 811
 CALL 3 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.



Know what's below. Call before you dig.

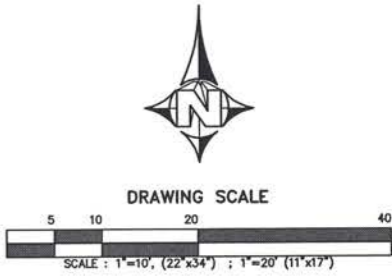


- INSTALL NEW FOUNDATION, SIGNAL POLE, MAST ARM, LUMINAIRE ARM AND EQUIPMENT PER CDOT SPECIFICATIONS AND S-614-40. NORTHING/EASTING IS TO CENTER OF CAISSON, SEE DETAIL SHEET 5.
- THE TRAFFIC SIGNAL CABINET SHALL BE MOUNTED ON A CAST-IN-PLACE CONTROLLER CABINET CONCRETE FOUNDATION PER S-614-40, AND THE CABINET SHALL BE POSITIONED SUCH THAT, WITH THE FRONT DOOR OPEN, BOTH THE CONTROLLER DISPLAY AND THE SIGNAL INSTALLATION WILL BE VISIBLE FROM THE SAME VIEWPOINT.
- INSTALL NEW MICROWAVE DETECTORS ON THE TRAFFIC SIGNAL PEDESTAL POLE AT A HEIGHT OF 18'. DETECTORS SHALL BE MOUNTED USING SKY BRACKET MOUNTING ASSEMBLIES IN ACCORDANCE WITH THE MANUFACTURER RECOMMENDATIONS WITH PLACEMENT AND ORIENTATION BEING DESIGNATED BY THE ENGINEER IN ACCORDANCE WITH THE PLANS.
- ALL VEHICLE SIGNAL HEADS SHALL HAVE APPROVED 12 INCH LED INDICATIONS AND SHALL BE ALUMINUM WITH POWDER COATED GLOSS BLACK FINISH AND SHALL CONTAIN 12 INCH ALUMINUM TUNNEL VISORS WITH THE OUTSIDE POWDER COATED GLOSS BLACK. ALL VEHICLE SIGNAL HEADS SHALL HAVE ALUMINUM LOUVERED BACK PLATES WITH POWDER COATED GLOSS BLACK FINISH. MAST ARM SIGNAL HEADS SHALL USE ASTRO-TYPE MOUNTING ASSEMBLIES AND SHALL BE INSTALLED APPROXIMATELY LEVEL WITH ONE ANOTHER AT A 17 TO 19 FOOT VERTICAL CLEARANCE ABOVE THE HIGH POINT OF THE PAVEMENT GRADE. VEHICLE SIGNAL HEADS THAT HAVE NOT BEEN PLACED IN SERVICE SHALL BE COVERED WITH A PREFABRICATED WEATHER RESISTANT NYLON FORM-FITTED SIGNAL FACE COVER MATERIAL. THE SIGNAL HEAD SHALL REMAIN COMPLETELY COVERED UNTIL THE SIGNAL HEAD IS PLACED IN SERVICE AND IS FULLY FUNCTIONAL AND OPERATIONAL.
- FINAL VEHICLE DETECTION ZONE PLACEMENT AND DIMENSIONS, IN ACCORDANCE WITH THE PROJECT PLANS, AND FINAL SIGNAL PROGRAMMING SHALL BE COMPLETED IN THE FIELD AND THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR COORDINATING AND SCHEDULING THIS WORK. TYPICALLY THIS WORK WILL BE PERFORMED NEAR THE END OF THE PROJECT AND AFTER ALL PAVEMENT MARKINGS AND SIGNING ARE IN PLACE AND ALL WORK NECESSARY FOR PROPER SIGNAL OPERATION HAS BEEN COMPLETED.
- PEDESTRIAN SIGNAL HEAD INSTALLATION SHALL INCLUDE ALUMINUM AND POWDER COATED GLOSS BLACK SIGNAL HEAD WITH APPROVED LED COUNTDOWN DISPLAY, ALUMINUM OPEN VISOR WITH THE OUTSIDE POWDER COATED GLOSS BLACK, PUSHBUTTON, AND INSTRUCTIONAL R10-3e COUNTDOWN PEDESTRIAN ACTUATION SIGN. PUSHBUTTON SHALL BE VANDAL-RESISTANT PIEZO DRIVEN SOLID STATE TECHNOLOGY SWITCH, BULLDOG MOMENTARY LED TYPE. ALL PEDESTRIAN SIGNAL HEADS SHALL BE COVERED WITH A PREFABRICATED WEATHER RESISTANT NYLON FORM FITTED SIGNAL COVER MATERIAL UNTIL READY FOR OPERATION.

TABULATION OF SIGNAL QUANTITIES

ITEM #	ITEM	UNIT	QTY
613-00206	2" ELECTRICAL CONDUIT (BORED) [HDPE PER SPEC]	LF	1000
613-00306	3" ELECTRICAL CONDUIT (BORED) [HDPE PER SPEC]	LF	650
613-07034	PULL BOX (24"x26"x18")	EA	4
613-07040	PULL BOX (30"x48"x24")	EA	1
613-16000	LUMINAIRE	EA	3
614-70150	PEDESTRIAN SIGNAL FACE (16) (COUNTDOWN)	EA	8
614-70336	TRAFFIC SIGNAL FACE (12-12-12)	EA	9
614-70560	TRAFFIC SIGNAL FACE (12-12-12-12)	EA	3
614-72887	MICROWAVE VEHICLE RADAR DETECTOR	EA	4
614-81145	TRAFFIC SIGNAL-LIGHT POLE STEEL (1-45' MAST ARM)	EA	1
614-81150	TRAFFIC SIGNAL-LIGHT POLE STEEL (1-50' MAST ARM)	EA	1
614-81545	TRAFFIC SIGNAL-LIGHT POLE STEEL (2-40&50' MAST ARM)	EA	1
614-86248	TRAFFIC SIGNAL CONTROLLER	EA	1

NOTE:
 STOP BAR DETECTION ZONE SHALL BE AT LEAST 90 FEET IN TOTAL LENGTH, BEGINNING AT 10 FEET IN FRONT OF THE STOP BAR. ADVANCED DETECTION ZONE SHALL EXTEND 350 FEET BACK FROM THE STOP BAR.



BID SET 3/7/22

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Acad. Ver. Civ3D 2020 Scale:	1"=20'	Units:	Feet

Index of Revisions

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(R-)		
(R-)		
(R-)		



El Paso County
 Department of Public Works
 3275 Akers Drive
 Colorado Springs, Colorado 80922-1547
 Ph: 719-520-6460 Fax: 719-520-6878
 Division of Transportation

As Constructed

No Revisions:	
Revised:	
Void:	

Security Fontaine Intersection Traffic Signal Plan

Designer:	JRA	Structure Numbers:	
Detailer:	DAN	Subset Sheets:	
SheetSubset:		of	

Project No./Code

270235
Sheet Number 21