

EPC 7/28/22

REFERENCE DRAWINGS			
X-886-EX-BASE X-886-EX-SURVEY X-886-PR-SITE-F1 X-886-PR-SITE-F2 886-PR-Legacy Drive-Roundabout 886-pr legacy drive X-886-PR-SITE-F3 X-886-PR-SITE-F4 X-886-PR-SITE-F5 X-886-PR-SITE-F6 X-886-PR-SITE-F7			
No.	DATE	DESCRIPTION REVISIONS	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\20.886.028 (Trails F3)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD - KEYMAPS.dwg			
CTB FILE: ----			
PLOT DATE: April 26, 2022 4:02:07 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.
ELEVATION - 5897.89' U.S. SURVEY FT

BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N/4 CORNER OF SAID SECTION 9 (3 1/2' AULM. CAP PLS 10377)

PREPARED BY:

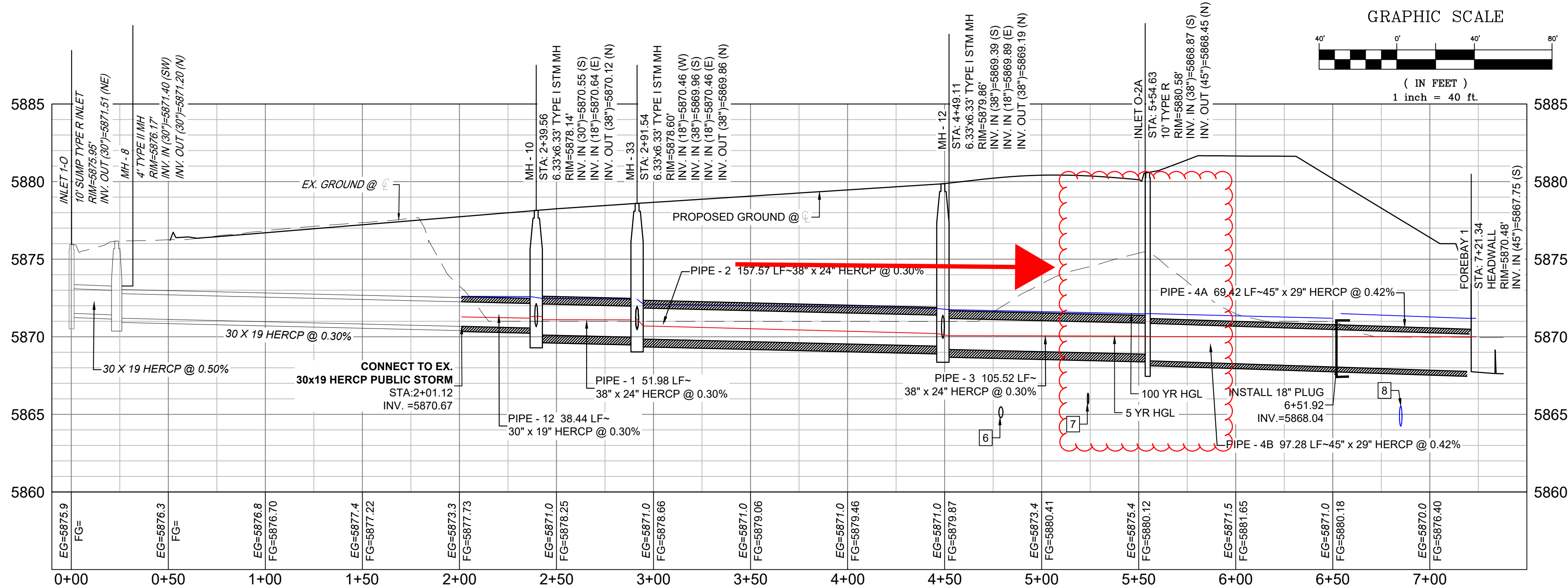
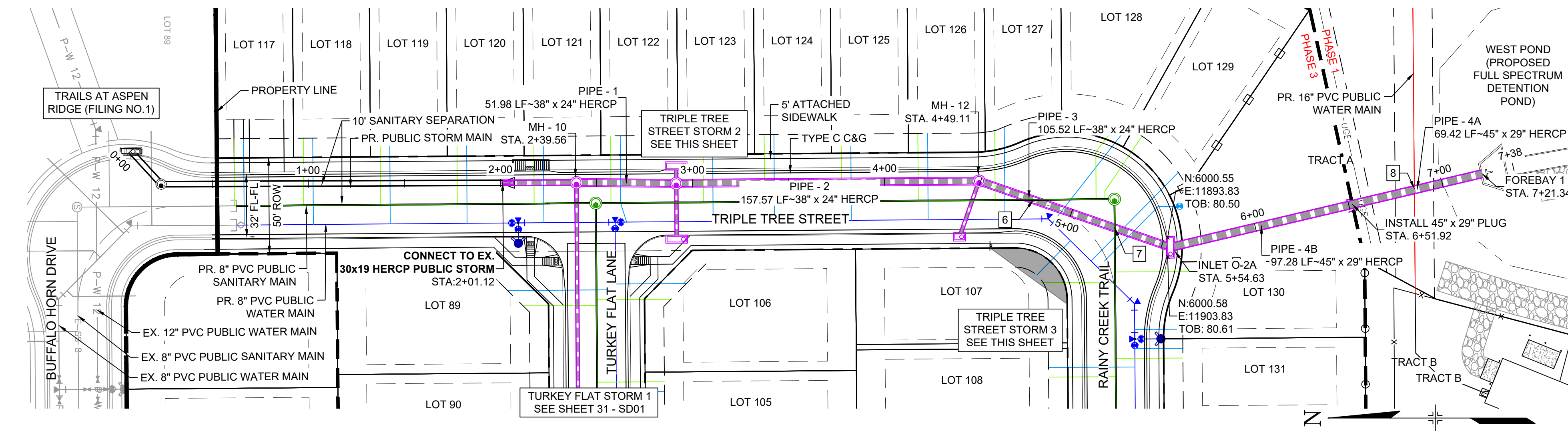
SEAL

FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 20.886.028

TRAILS AT ASPEN RIDGE				
ROADWAY & STORM IMPROVEMENT PLANS ROADWAY & STORM PLANS				
INTERSECTION DETAILS KEY MAP				
DESIGNED BY:	TRC	SCALE	DATE ISSUED:	DRAWING No.
DRAWN BY:	LCB	HORIZ 1" = 80'	AUGUST 2021	RD20
CHECKED BY:	NMS	VERT. N/A	SHEET 24 OF 50	



Know what's below.
Call before you dig.



TRIPLE TREE STREET STORM PROFILE 1 (PUBLIC)

SCALE: (H) 1" = 40' (V) 1" = 5'

START STA: -0+10.00, END STA: 7+50.00

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
FOREBAY 1	HEADWALL	RIM = 5870.48 PIPE - 4A INV IN (45°) = 5867.75	N: 6164.31 E: 11860.52
INLET O-2A	10' TYPE R	RIM = 5880.58 PIPE - 3 INV IN (38°) = 5868.87 PIPE - 4B INV OUT (45°) = 5868.45	N: 6002.07 E: 11898.83
INLET O-2B	5' TYPE R	RIM = 5880.04 PIPE - 11 INV OUT (18°) = 5871.63	N: 5892.28 E: 11893.38
INLET O-2C	10' TYPE R	RIM = 5878.79 PIPE - 10 INV OUT (18°) = 5870.75	N: 5745.01 E: 11894.60
INLET O-2D	10' TYPE R	RIM = 5878.93 PIPE - 5 INV OUT (18°) = 5870.55	N: 5744.72 E: 11865.45

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
MH - 10	6.33'x6.33' TYPE I STM MH	RIM = 5878.14 PIPE - 12 INV IN (30°) = 5870.55 PIPE - 7 INV IN (18°) = 5870.64 PIPE - 1 INV OUT (38°) = 5870.12	N: 5692.81 E: 11865.09
MH - 12	6.33'x6.33' TYPE I STM MH	RIM = 5879.86 PIPE - 2 INV IN (38°) = 5869.39 PIPE - 11 INV IN (18°) = 5869.89 PIPE - 3 INV OUT (38°) = 5869.19	N: 5902.35 E: 11864.31
MH - 33	6.33'x6.33' TYPE I STM MH	RIM = 5878.60 PIPE - 5 INV IN (18°) = 5870.46 PIPE - 1 INV IN (38°) = 5869.96 PIPE - 10 INV IN (18°) = 5870.46 PIPE - 2 INV OUT (38°) = 5869.86	N: 5744.79 E: 11865.52

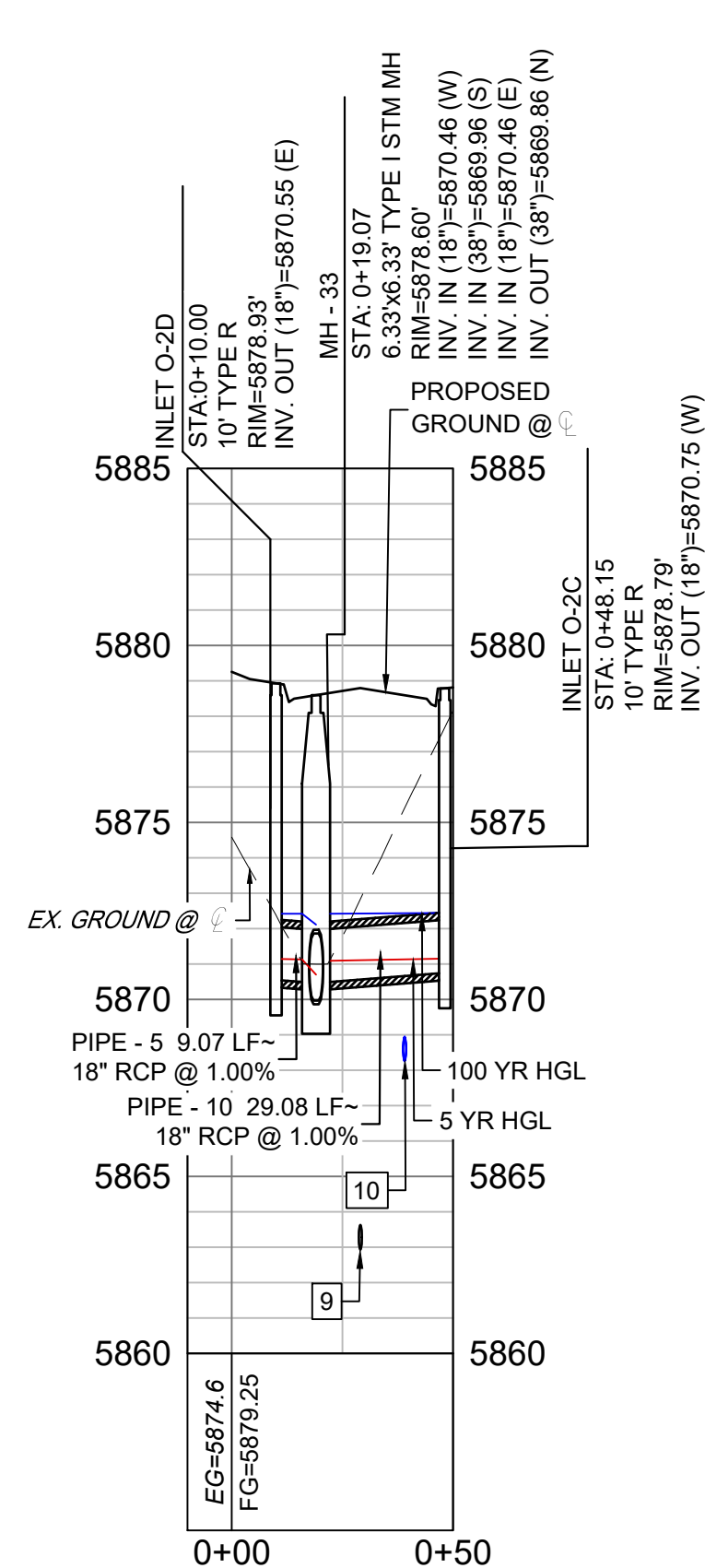
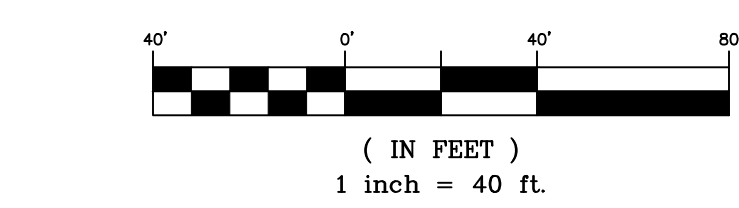
PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 1	N00°28'11"E	52.0'	0.30%	38" RCP
PIPE - 2	N00°26'25"W	157.6'	0.30%	38" RCP
PIPE - 3	N19°05'52"E	105.5'	0.30%	38" RCP
PIPE - 4A	N13°17'06"W	69.4'	0.42%	45" RCP
PIPE - 4B	N13°17'06"W	97.3'	0.42%	45" RCP
PIPE - 5	N89°33'35"E	9.1'	1.00%	18" RCP
PIPE - 10	S89°33'35"W	29.1'	1.00%	18" RCP
PIPE - 11	N70°54'08"W	30.8'	5.65%	18" RCP

UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	VERT. SEP.
6	N: 5,930.60 E: 11,874.08	8" PVC SAN 5865.49	38"x24" HERCP 5868.60	3.11'
7	N: 5,973.00 E: 11,868.77	8" PVC SAN 5866.37	38"x24" HERCP 5868.47	2.10'
8	N: 6,128.98 E: 11,869.12	16" PVC WATER 5865.54	45"x29" HERCP 5867.59	2.05'
9	N: 5,744.86 E: 11,875.52	8" PVC SAN 5863.64	18" RCP STORM 5870.35	6.71'
10	N: 5,744.94 E: 11,885.52	8" PVC WATER 5868.96	18" RCP STORM 5870.45	2.04'
11	N: 5,902.51 E: 11,884.31	18" RCP STORM 5872.80	8" PVC WATER 5874.51	1.77'
18	N: 5,902.43 E: 11,874.30	8" PVC SAN 5865.18	36" RCP STORM 5870.29	5.11'

TRIPLE TREE STREET STORM PROFILE 2 (PUBLIC)

SCALE: (H) 1" = 40' (V) 1" = 5'

START STA: -0+10.00, END STA: 0+50.00



TRIPLE TREE STREET STORM PROFILE 3 (PUBLIC)

SCALE: (H) 1" = 40' (V) 1" = 5'

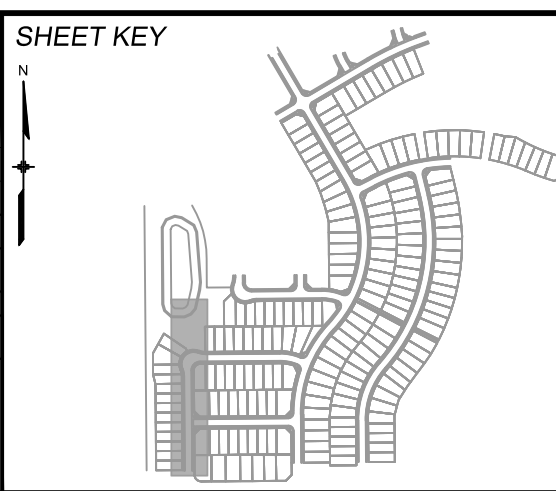
START STA: -0+10.00, END STA: 0+40.00

- NOTES:
1. ALL STATION, OFFSET, AND NORTHING/EASTING VALUES ARE TO THE CENTER OF ALL STRUCTURES UNLESS OTHERWISE NOTED.
 2. PIPE LENGTHS ARE MEASURED FROM CENTER TO CENTER OF ALL STRUCTURES.
 3. CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING STRUCTURES.
 4. ALL RCP PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.
 5. PIPES OF DIFFERENT SIZES ARE TO BE MATCHED TO THE CROWN OF THE INSIDE WALL OF PIPE.
 6. PER THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL, MANHOLES SHALL BE INSTALLED 1/8" BELOW THE SURFACE OF THE PAVEMENT ON THE LOWEST SIDE OF THE MANHOLE.
 7. ALL STORM SEWER IS PUBLIC UNLESS OTHERWISE NOTED.
 8. TOP OF BOX ELEVATIONS GIVEN FOR CDOOT TYPE R INLETS REFER TO THE COUNTY STANDARD DETAIL FOR CORRESPONDING DESIGN ELEVATIONS.
 9. ALL STORM SEWER IS PUBLIC UNLESS OTHERWISE NOTED.
 10. SECTIONS OF STORM PIPE WITH PRESSURE HEAD DURING THE 100 YR STORM SHALL USE WATERTIGHT JOINTS WITH A 100 YR SERVICE LIFE PER ECM 3.3.1.D

REFERENCE DRAWINGS			
X-886-EX-BASE			
X-886-EX-SURVEY			
X-886-PR-SITE-F1			
X-886-PR-SITE-F2			
X-886-PR-Legacy Drive-Roundabout			
X-886-PR-SITE-F6			
X-886-PR-SITE-F5			
X-886-PR-SITE-F4			
X-886-PR-SITE-F3			
X-716-RMS			
X-886-PR-WTR			
X-886-PR-WTR-F3			
X-886-PR-WTR-F2			
X-886-PR-WTR-F5			
X-886-PR-WTR-F4			
X-886-PR-UTIL			
X-886-PR-UTIL-SANITARY			
X-886-PR-SITE-F7			

No.	DATE	DESCRIPTION	BY
		REVISIONS	

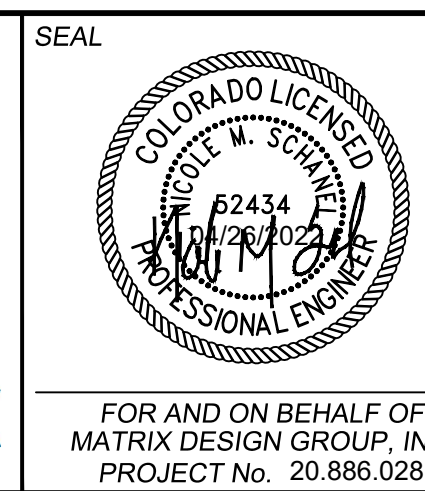
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CTB FILE:	Matrix(black).ctb		
PLOT DATE:	April 26, 2022 4:10:37 PM		
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.
ELEVATION - 5897.89' U.S. SURVEY FT

BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N/4 CORNER OF SAID SECTION 9 (3 1/2' AULM. CAP PLS 10377)

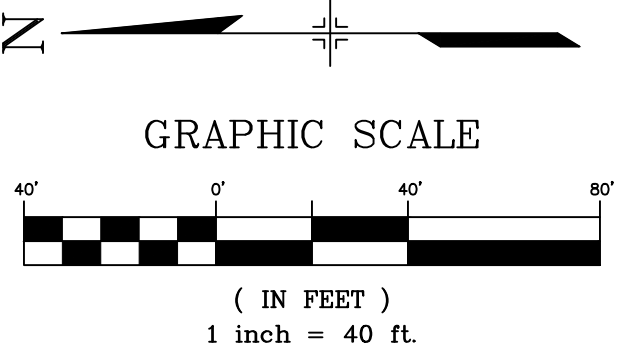
PREPARED BY:



TRAILS AT ASPEN RIDGE			
EPC 7/28/22			
FILING NO.3			
ROADWAY & STORM IMPROVEMENT PLANS			
STORM DRAIN PLAN & PROFILE			
DESIGNED BY:	TR	SCALE	DATE ISSUED:
DRAWN BY:	LCB	HORIZ. 1" = 40'	AUGUST 2021
CHECKED BY:	NMS	VERT. 1" = 5'	SHEET 32 OF 39
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 20.886.028			DRAWING No. SD02



Know what's below.
Call before you dig.



PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 6A	N80°39'21"W	57.0'	0.50%	18" RCP
PIPE - 6B	N80°39'21"W	10.5'	0.49%	18" RCP
PIPE - 7	S89°33'35"W	418.5'	1.00%	18" RCP
PIPE - 8	N00°26'25"W	8.4'	1.00%	18" RCP
PIPE - 9	S00°26'25"E	28.3'	1.00%	18" RCP

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
INLET O-2E	5' TYPE R	RIM = 5879.47 PIPE - 8 INV OUT (18") = 5875.20	N: 5686.86 E: 12283.60
INLET O-2F	5' TYPE R	RIM = 5879.81 PIPE - 9 INV OUT (18") = 5875.40	N: 5725.19 E: 12283.30
INLET O-2G	5' TYPE R	RIM = 5879.76 PIPE - 6A INV OUT (18") = 5875.46	N: 5685.06 E: 12350.16
MH - 10	6.33'x6.33' TYPE I STM MH	RIM = 5878.14 PIPE - 12 INV IN (30") = 5870.55 PIPE - 7 INV IN (18") = 5870.64 PIPE - 1 INV OUT (38") = 5870.12	N: 5692.81 E: 11865.09
MH - 35	4' TYPE II STM MH	RIM = 5879.13 PIPE - 6B INV IN (18") = 5875.12 PIPE - 8 INV IN (18") = 5875.12 PIPE - 9 INV IN (18") = 5875.12 PIPE - 7 INV OUT (18") = 5874.82	N: 5696.03 E: 12283.53

UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	VERT. SEP.
1	N: 5,692.89 E: 11,875.92	8" PVC SAN 5862.82	18" RCP STORM 5870.54	7.72'
2	N: 5,692.97 E: 11,885.89	8" PVC WATER 5869.14	18" RCP STORM 5870.64	2.20'
3	N: 5,688.21 E: 12,330.98	8" PVC SAN 5859.82	18" RCP STORM 5875.15	15.33'
4	N: 5,686.56 E: 12,340.99	8" PVC WATER 5873.16	18" RCP STORM 5875.20	2.04'
5	N: 5,716.02 E: 12,283.38	8" PVC WATER 5873.55	18" RCP STORM 5875.11	2.08'

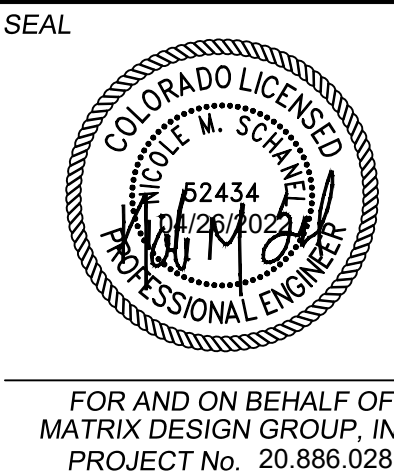
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- EPC 7/28/22

TRAILS AT ASPEN RIDGE

FILING NO.3
ROADWAY & STORM IMPROVEMENT PLANS

STORM DRAIN PLAN & PROFILE

DESIGNED BY:	TR	SCALE	DATE ISSUED:	AUGUST 2021	DRAWING No.
DRAWN BY:	LCB	HORIZ. 1" = 40'	SHEET	31 OF 39	SD01
CHECKED BY:	NMS	VERT. 1" = 5'			



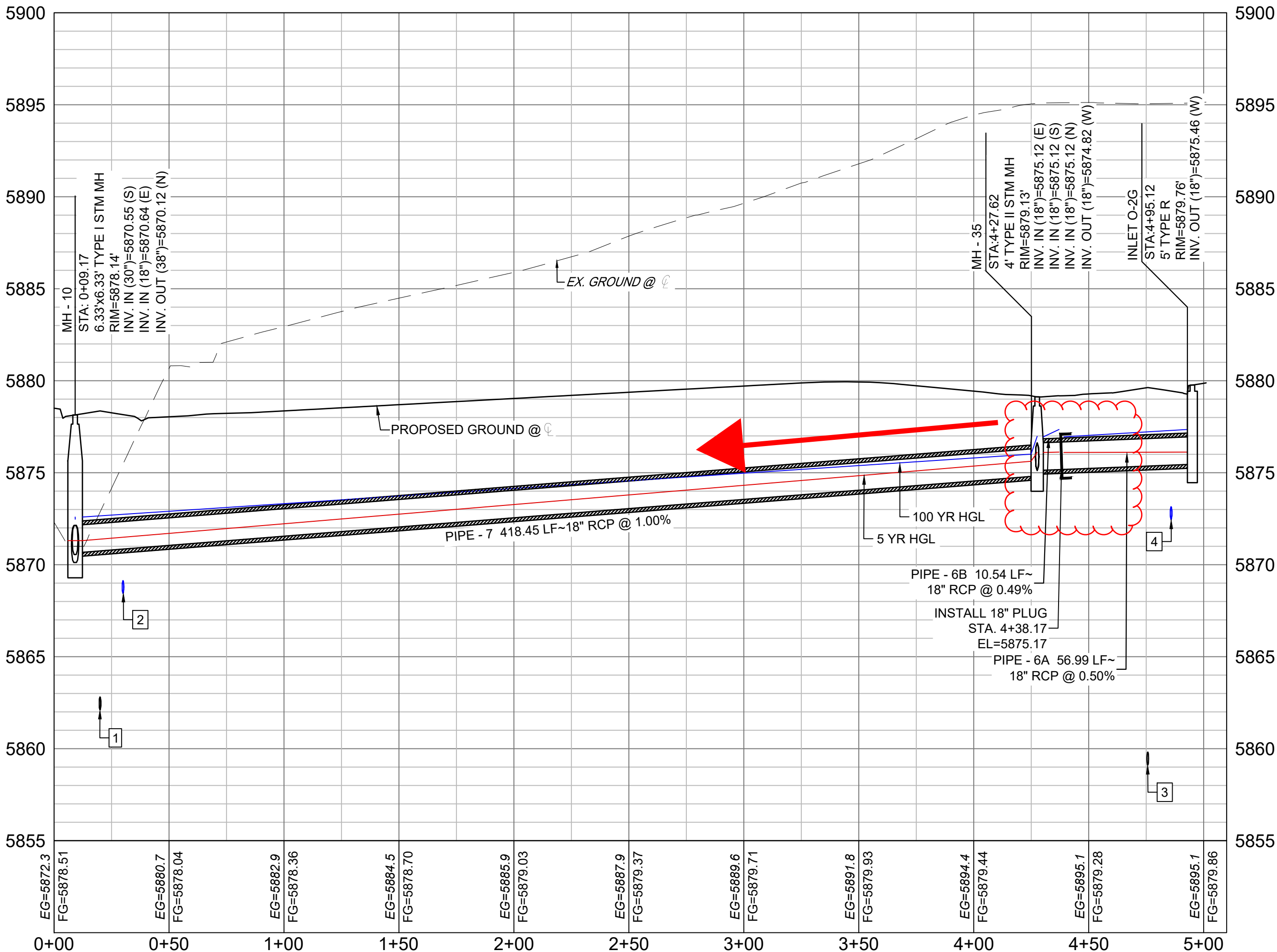
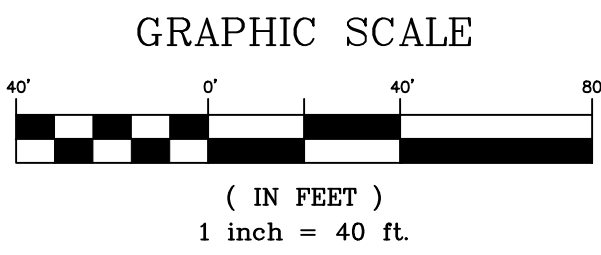
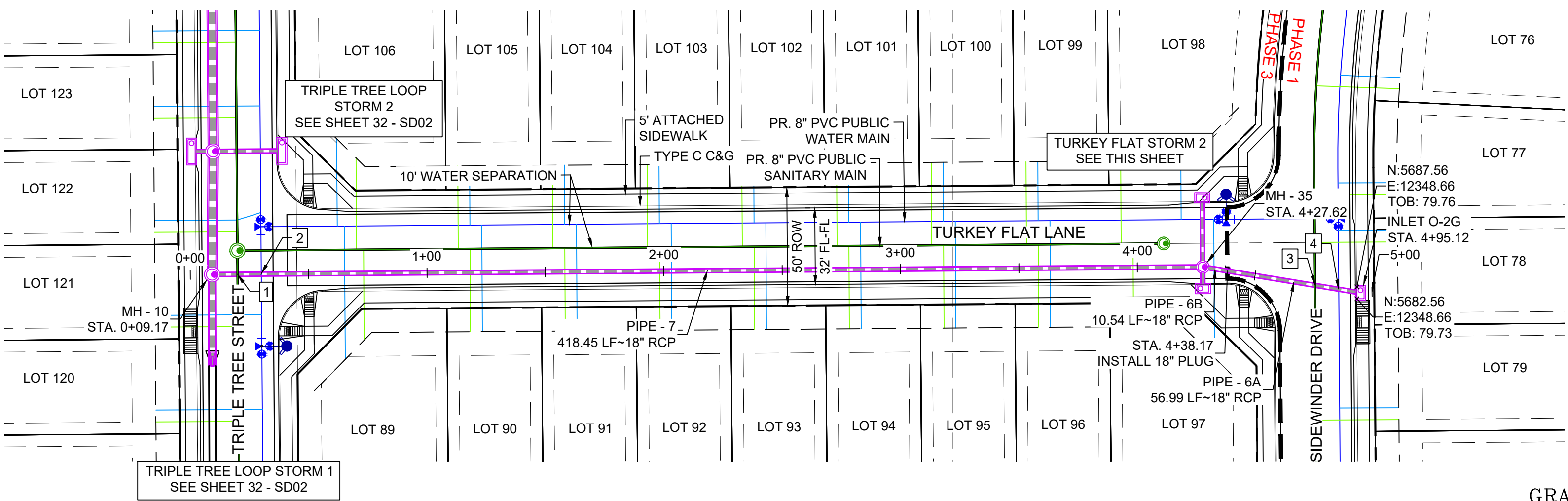
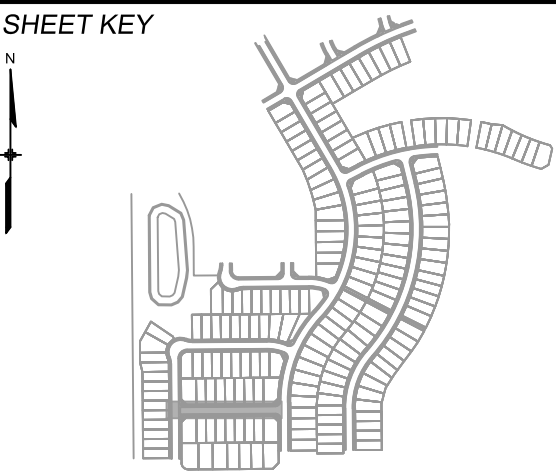
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 20.886.028

PREPARED BY:

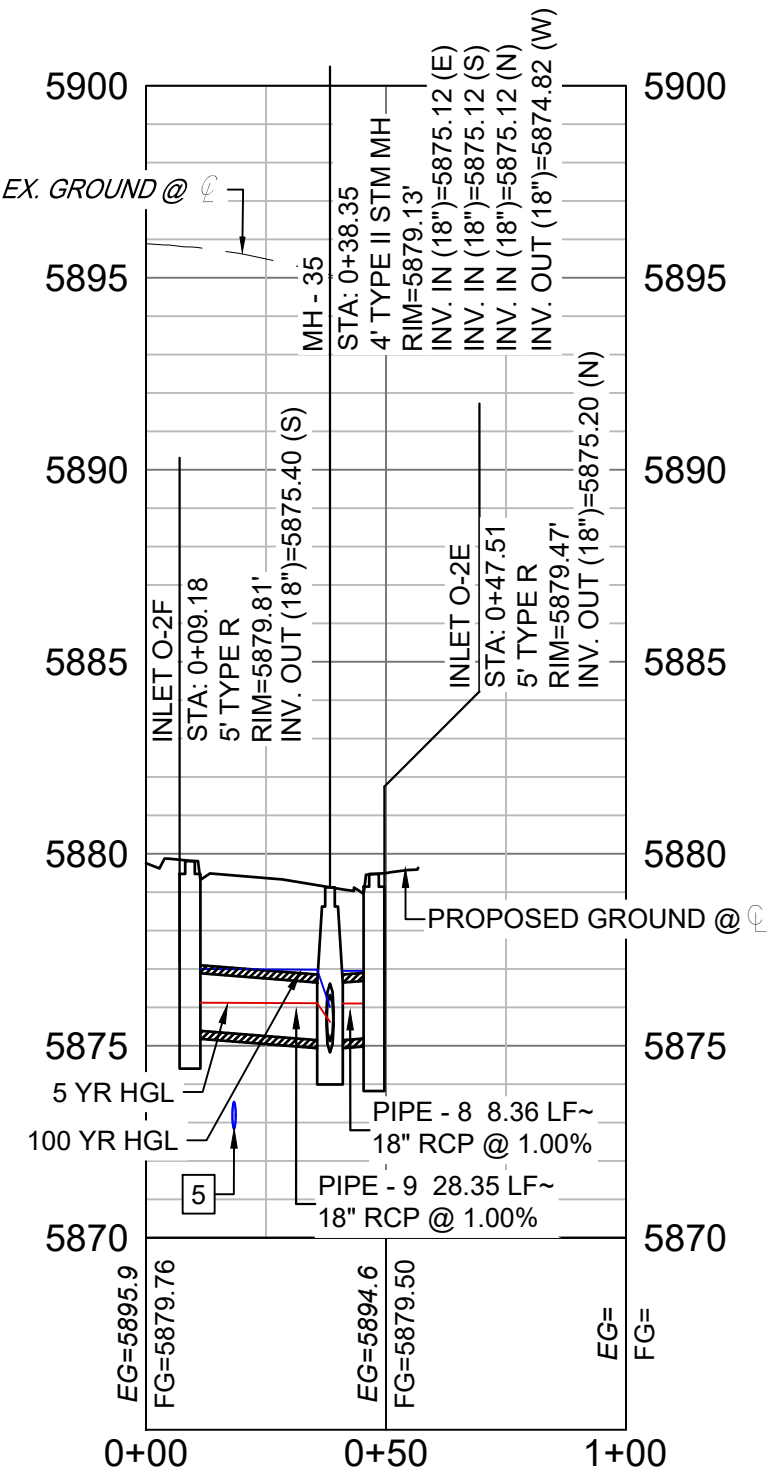


BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.
ELEVATION - 5897.89' U.S. SURVEY FT

BASIS OF BEARING
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TURKEY FLAT LANE STORM PROFILE 1 (PUBLIC)
SCALE: (H) 1" = 40' (V) 1" = 5'
START STA: 0+00.00, END STA: 5+10.00



TURKEY FLAT STORM PROFILE 2 (PUBLIC)
SCALE: (H) 1" = 40' (V) 1" = 5'
START STA: 0+00.00, END STA: 1+00.00

REFERENCE DRAWINGS					
X-886-EX-BASE X-886-EX SURVEY X-886-PR SITE- F1 X-886-PR SITE-F2 886-PR Legacy Drive-Roundabout 886-pr legacy drive X-886-PR SITE X-886-PR SITE- F6 X-886-PR SITE- F5 X-886-PR SITE- F4 X-886-PR SITE- F3 X T88-MS3 X-886-PR-UTR X-886-PR-UTR-F3 X-886-PR-UTR-F6 X-886-PR-UTR-F5 X-886-PR-UTR-F5 X-886-PR-UTR-F4 10-886-PR-UTL 19-886-PR-UTL SANITARY X-886-PR SITE- F7					
No.	DATE	DESCRIPTION			BY
REVISIONS					
COMPUTER FILE MANAGEMENT					
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CTB FILE: Matrix(black).ctb					
PLOT DATE: 26, 2022 4:09:54 PM					
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.					