

TRAILS AT ASPEN RIDGE FILING NO.1

EL PASO COUNTY, CO

ROADWAY & STORM IMPROVEMENT PLANS

DECEMBER, 2019

SHEET No. 1



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ENGINEER'S STATEMENT:

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID DETAILED PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERION ESTABLISHED BY THE CITY FOR DETAILED DRAINAGE PLANS AND SPECIFICATIONS, AND SAID DETAILED PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH THE MASTER PLAN OF THE DRAINAGE BASIN. SAID DETAILED DRAINAGE PLANS AND SPECIFICATIONS MEET THE PURPOSE FOR WHICH THE PARTICULAR DRAINAGE FACILITY(S) IS DESIGNED. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THE DETAILED DRAINAGE PLANS AND SPECIFICATIONS.

By: Nicole Schanel Date: 01 Jan 2020

NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.

EL PASO COUNTY:

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

JENNIFER IRVINE, P.E.
COUNTY ENGINEER / ECM ADMINISTRATOR

DATE

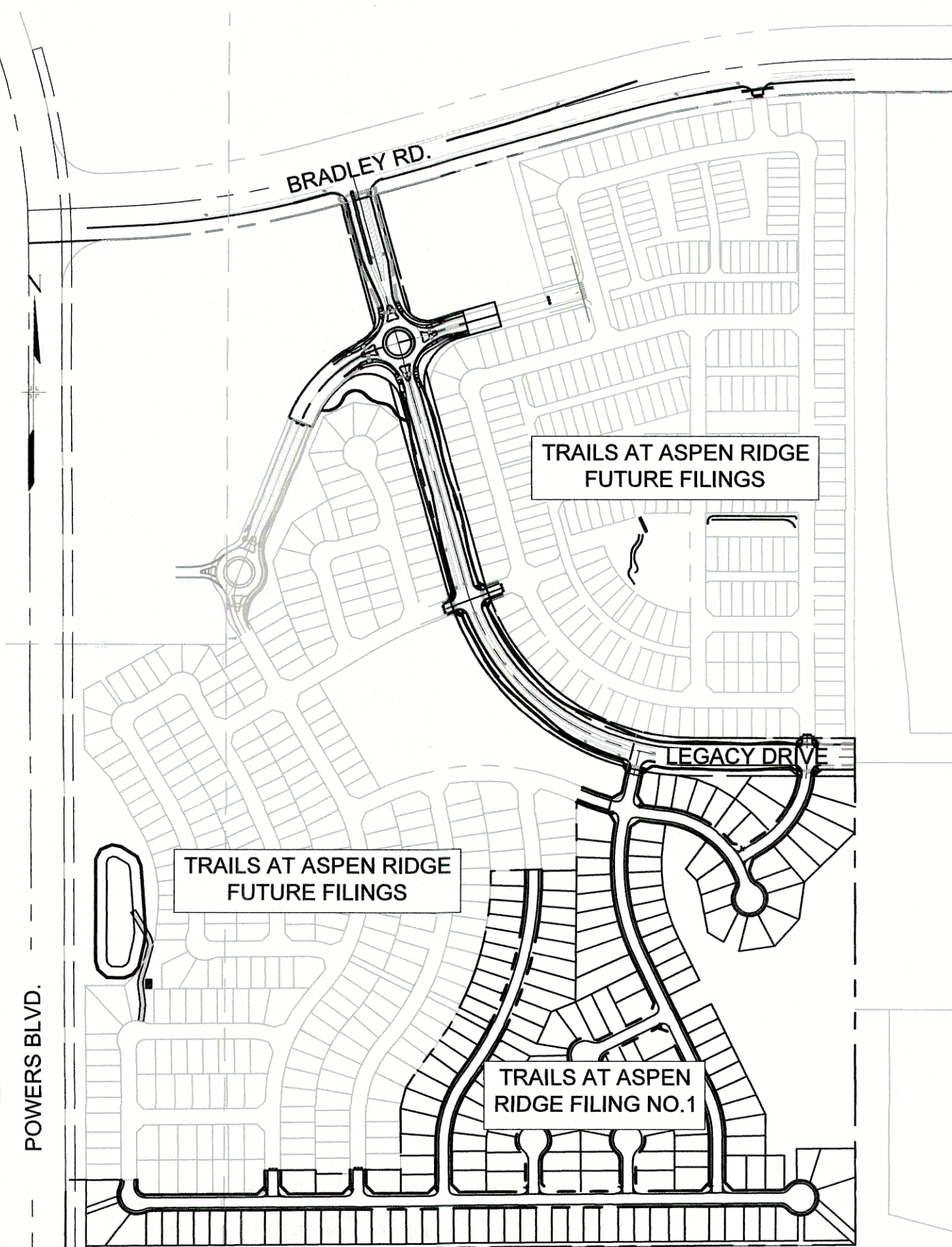
OWNER/DEVELOPER:

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

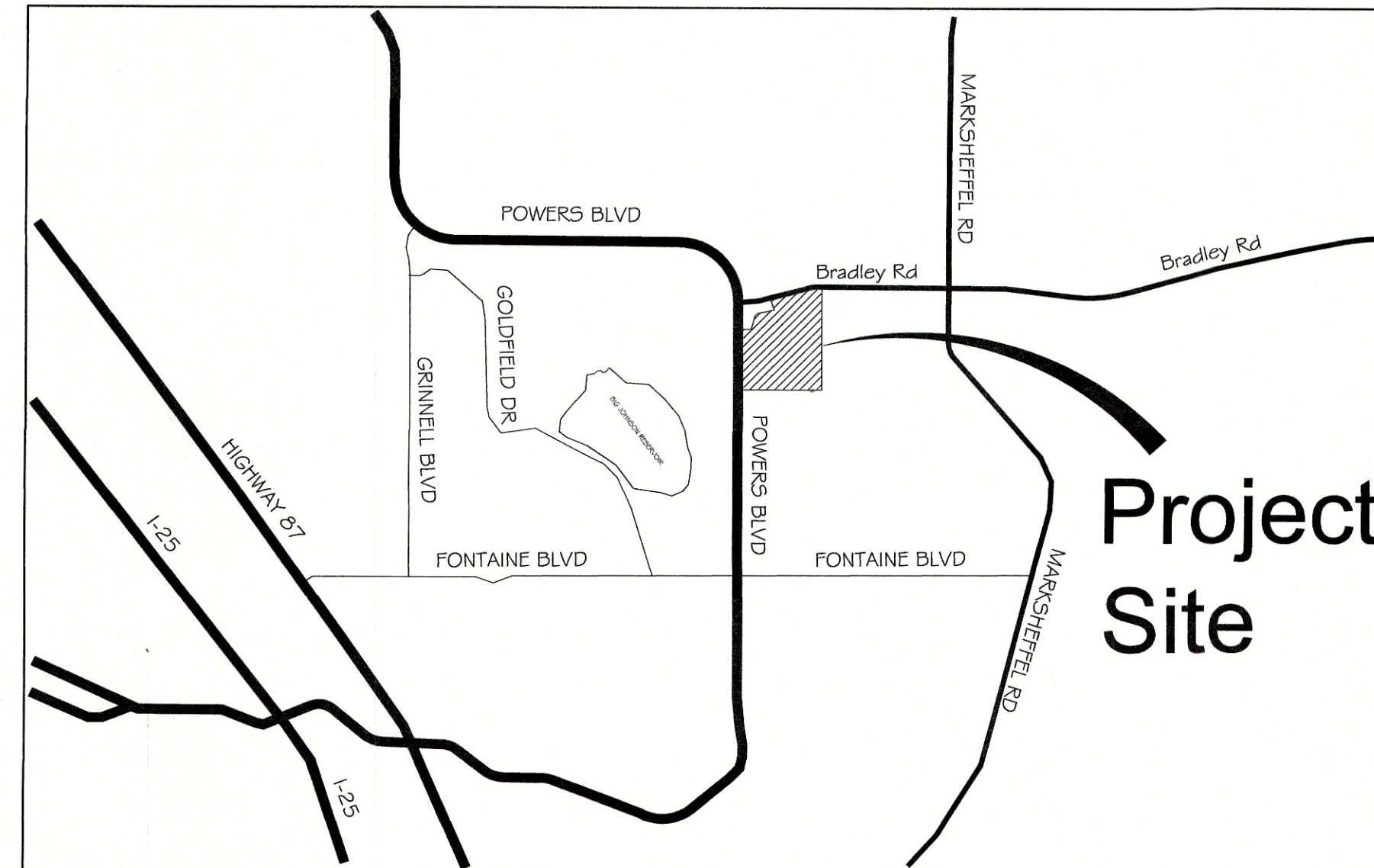
[Signature]

1-7-2020
DATE

COLA, LLC
555 MIDDLE PARKWAY
COLORADO SPRINGS, CO 80921



SITE MAP
N.T.S.



VICINITY MAP
N.T.S.

REFERENCE DRAWINGS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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GENERAL NOTES:

1.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL, REVISED 12-13-2016 AND CDOT STANDARD SPECIFICATIONS, LATEST REVISION.
2.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH APPLICABLE STANDARDS AND REGULATIONS AS SET FORTH BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (O.S.H.A.).
3.

NO FIELD CHANGES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE FIELD ENGINEER.
4.

SUBMITTALS SHALL BE MADE FOR ALL MATERIALS TO BE INCORPORATED INTO THE PROJECT.
5.

UTILITY LINES AS SHOWN ON THE PLAN SHEETS ARE PLOTTED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND PROTECTION OF ALL UTILITIES IN PLACE.
6.

THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO AT 1-800-922-1987 TWO BUSINESS DAYS IN ADVANCE OF ANY EXCAVATION OR GRADING.
7.

THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL UTILITY AND STRUCTURES AFFECTED BY THE WORK AND ANY DAMAGE SHALL BE REPAIRED AND RESTORED TO THE SATISFACTION OF THE RESPECTIVE UTILITY OWNER. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE ALL UTILITY RELOCATIONS AS NECESSARY. THE COUNTY ENGINEERING INSPECTIONS, UTILITY DEPARTMENTS AND UTILITY OWNERS SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WHERE THESE UTILITIES MAY BE AFFECTED.
8.

IN SOME OF THE PROPOSED AREAS OF CONSTRUCTION EXISTING UNDERGROUND TELEPHONE, FIBER AND CABLE TELEVISION FACILITIES MAY BE LOCATED IN CLOSE PROXIMITY TO THE WORK. THE CONTRACTOR MAY, IF NECESSARY, TEMPORARILY DISPLACE THE CABLES DURING CONSTRUCTION AND REINSTALL THEM IN ACCORDANCE WITH THE APPROPRIATE TELEPHONE, FIBER OR CABLE COMPANY'S GUIDELINES. COORDINATION WITH BOTH THE TELEPHONE AND CABLE TELEVISION COMPANY IS REQUIRED TO BE DONE BY THE CONTRACTOR.
9.

THE CONTRACTOR SHALL OBTAIN AN APPROVED TRAFFIC CONTROL PLAN PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
10.

THE PHYSICAL FEATURES WITHIN THE LIMITS OF THE PROJECT HAVE BEEN SHOWN BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF DESIGN. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE FEATURES SHOWN. THE CONTRACTOR SHALL REVIEW AND VERIFY EXISTING PHYSICAL FEATURES AND ELEVATIONS THEMSELVES OF THE CONDITIONS TO BE ENCOUNTERED DURING THE CONSTRUCTION.
11.

THE CONTRACTOR SHALL LIMIT ALL WORK AND STORAGE AREAS TO THE PUBLIC RIGHT-OF-WAYS AND EASEMENTS. USE OF ANY PRIVATE AREAS FOR THIS PROJECT BY THE CONTRACTOR MUST BE APPROVED IN WRITING BY THE PROPERTY OWNER WITH A COPY OF THIS APPROVAL PROVIDED TO THE FIELD ENGINEER PRIOR TO USAGE.
12.

ALL CONSTRUCTION IS TO INCLUDE COMPACTION AND FINISH GRADING IN THE UNIT PRICE RELATED WORK ITEM.
13.

ALL WORK SHALL BE DONE TO THE LINES, GRADES, SECTIONS, AND ELEVATIONS SHOWN ON THE PLANS UNLESS OTHERWISE NOTED OR APPROVED BY THE FIELD ENGINEER.
14.

ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY EL PASO COUNTY AND THE FIELD ENGINEER.
15.

THE FIELD ENGINEER SHALL BE NOTIFIED WITHIN 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.
16.

PAYMENT, DIMENSIONS AND RADII ARE SHOWN TO THE LIP OF CURB UNLESS OTHERWISE NOTED.
17.

THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE AND/OR TOES OF SLOPE AS SHOWN ON THE PLANS. ANY DISTURBANCE BEYOND THESE LIMITS SHALL BE RESTORED TO ORIGINAL CONDITIONS BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.
18.

THE CONTRACTOR SHALL CLOSELY MONITOR ACCESS FOR HEAVY CONSTRUCTION EQUIPMENT THROUGH THE PROJECT AREAS.
19.

WHERE PAVEMENT IS TO ABUT EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE REMOVED TO A NEAT VERTICAL LINE BY FULL DEPTH SAWING. SAWING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCIDENTAL TO "REMOVAL OF ASPHALT PAVEMENT". THE CONTRACTOR WILL BE REQUIRED TO PAINT THE EDGE OF CUT PAVEMENT WITH DILUTED EMULSIFIED ASPHALT (SLOW SETTING) PRIOR TO PAVING OPERATIONS. VERTICAL EDGES SHALL NOT REMAIN OVERNIGHT. DILUTED EMULSIFIED ASPHALT FOR TACK COAT SHALL CONSIST OF ONE PART EMULSIFIED ASPHALT AND ONE PART WATER.
20.

WATER SHALL BE USED AS A DUST PALLIATIVE WHERE REQUIRED. LOCATIONS SHALL BE AS ORDERED. THE COST OF WATER SHALL BE INCIDENTAL TO OTHER BID ITEMS.
21.

THE PHYSICAL FEATURES REQUIRING REMOVAL OR OBLITERATION WITHIN THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF OFF-SITE.
22.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING ANY MONUMENT, RANGE POINTS, TIES, BENCHMARKS AND/OR SURVEY CONTROL POINTS WHICH MAY BE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENT BY A REGISTERED PROFESSIONAL LAND SURVEYOR AUTHORIZED TO PRACTICE LAND SURVEYING IN THE STATE OF COLORADO.
23.

THE CONTRACTOR SHALL HAVE A COPY OF ALL APPLICABLE STANDARDS AND PLANS ON SITE FOR THE DURATION OF THE PROJECT.
24.

THE CONTRACTOR SHALL NOT STOCKPILE MATERIAL WITHIN 10 FEET OF THE EDGE OF TRAVELED WAY.
25.

ANY LAYER OF BITUMINOUS PAVEMENT THAT IS TO HAVE SUCCEEDING LAYER PLACED THEREON SHALL BE COMPLETED FULL WIDTH BEFORE SUCCEEDING LAYER IS PLACED.
26.

BEFORE PLACEMENT OF THE TACK COAT, THE CONTRACTOR SHALL CLEAN THE PRESENT ROADWAY AS DIRECTED. CLEANING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PROJECT.
27.

A TACK COAT OF EMULSIFIED ASPHALT (SLOW SETTING) IS TO BE APPLIED BETWEEN PAVEMENT COURSES TO IMPROVE BOND. DILUTED EMULSIFIED ASPHALT FOR TACK COAT SHALL CONSIST OF 1 PART EMULSIFIED ASPHALT AND 1 PART WATER.

GENERAL NOTES con't.:

28.

THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN TEMPORARY TRAFFIC CONTROL DEVICES NECESSARY THROUGHOUT THE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL CONTACT TRAFFIC ENGINEERING FORTY-EIGHT (48) HOURS IN ADVANCE FOR ANY REQUIRED MODIFICATION OF TRAFFIC SIGNALS WITHIN CONSTRUCTION AREAS AS NECESSARY TO MAINTAIN SAFE OPERATIONS.
29.

ANY DISCREPANCY WITHIN THESE PLANS SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND WORK SHALL STOP UNTIL THE DISCREPANCY IS DISCUSSED AND DECISIONS/AGREEMENTS HAVE BEEN MADE.

EARTHWORK:

1.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LEGAL DISPOSAL OF ANY EXCESS SOIL, DEBRIS AND WASTE MATERIAL OFF OF THE PROJECT SITE.
2.

ANY MATERIAL NOT SUITABLE FOR BACKFILL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF, BY AND AT THE EXPENSE OF THE CONTRACTOR.
3.

ANY SOIL LYING BELOW THE SUBGRADE ELEVATION WHICH IS DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL IN ACCORDANCE WITH THE SPECIFICATION REQUIREMENTS.

BENCHMARK AND SURVEY CONTROL:

1.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION STAKING OF BOTH HORIZONTAL AND VERTICAL LAYOUT ON THIS PROJECT. COORDINATES ARE REFERENCED IN THE COORDINATE LIST SHOWN ON THESE PLANS. THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT ENGINEER FOR INTERPRETATION AND INFORMATION IN STAKING OF THE PROJECT FOR CONSTRUCTION.
2.

PRIOR TO PROJECT COMPLETION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY PROPERTY MONUMENTATION DISTURBED OR REMOVED BY CONSTRUCTION OPERATIONS. THIS WORK SHALL BE PERFORMED BY A LAND SURVEYOR LICENSED IN THE STATE OF COLORADO. PROPERTY CORNERS WHICH FALL WITHIN NEW CONCRETE FLATWORK SHALL BE DURABLE AND SET FLUSH. THIS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

TRAFFIC GENERAL NOTES:

1.

THE CONTRACTOR SHALL PREPARE A DETAILED TRAFFIC CONTROL PLAN, SUBMIT TO EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS FOR APPROVAL, AND OBTAIN APPROPRIATE PERMITS IN ACCORDANCE WITH THE M.U.T.C.D.
2.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE TRAFFIC CONTROL, INCLUDING PEDESTRIAN DETOURS. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, INSTALLING, AND MAINTAINING THE TEMPORARY TRAFFIC CONTROL DEVICES THROUGHOUT THE DURATION OF THE PROJECT.
3.

APPROVAL OF THESE PLANS BY THE COUNTY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS BEEN ISSUED.
4.

THE APPROVAL OF THESE PLANS OR ISSUANCE OF A PERMIT BY EL PASO COUNTY DOES NOT AUTHORIZE THE OWNER OR CONTRACTOR TO VIOLATE ANY FEDERAL, STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICIES.
5.

ALL TRAFFIC SIGNS, PAVEMENT MARKINGS, AND TRAFFIC SIGNALS SHALL MEET OR EXCEED M.U.T.C.D. STANDARDS.
6.

THE CONTRACTOR SHALL NOT REMOVE ANY EXISTING SIGNS, PAVEMENT MARKINGS, OR TRAFFIC SIGNALS DURING THE PROJECT WITHOUT SIGNED AUTHORIZATION OF THE EL PASO COUNTY INSPECTOR ASSIGNED TO THE PROJECT.

CONSTRUCTION NOTES:

1.

ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
2.

CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
3.

CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:

a.

EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)

b.

CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2

c.

COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION

d.

CDOT M & S STANDARDS
4.

NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
5.

IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.

CONSTRUCTION NOTES con't.:

6.

CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (PCD) - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
7.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
8.

CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
9.

ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
10.

CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
11.

ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
12.

SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
13.

SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA. [IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.]
14.

CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
15.

THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

SIGNING & STRIPING NOTES :

1.

ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2.

REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
3.

ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT.
4.

ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN SHALL BE NEW SIGNS. EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY AND MUTCD STANDARDS.
5.

STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
6.

ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
7.

ALL STREET NAME SIGNS SHALL HAVE "D" SERIES LETTERS, WITH LOCAL ROADWAY SIGNS BEING 4" UPPER-LOWER CASE LETTERING ON 8" BLANK AND NON-LOCAL ROADWAY SIGNS BEING 6" LETTERING, UPPER-LOWER CASE ON 12" BLANK, WITH A WHITE BORDER THAT IS NOT RECESSED. MULTI-LANE ROADWAYS WITH SPEED LIMITS OF 40 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING ON 18" BLANK WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE 2012 MUTCD "STANDARD HIGHWAY SIGNS"
8.

ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
9.

ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75" X 1.75" SQUARE TUBE SIGN POST AND STUB POST BASE. FOR OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S-614-8 REGARDING USE OF THE P2 TUBULAR STEEL POST SLIPBASE DESIGN.
10.

ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
11.

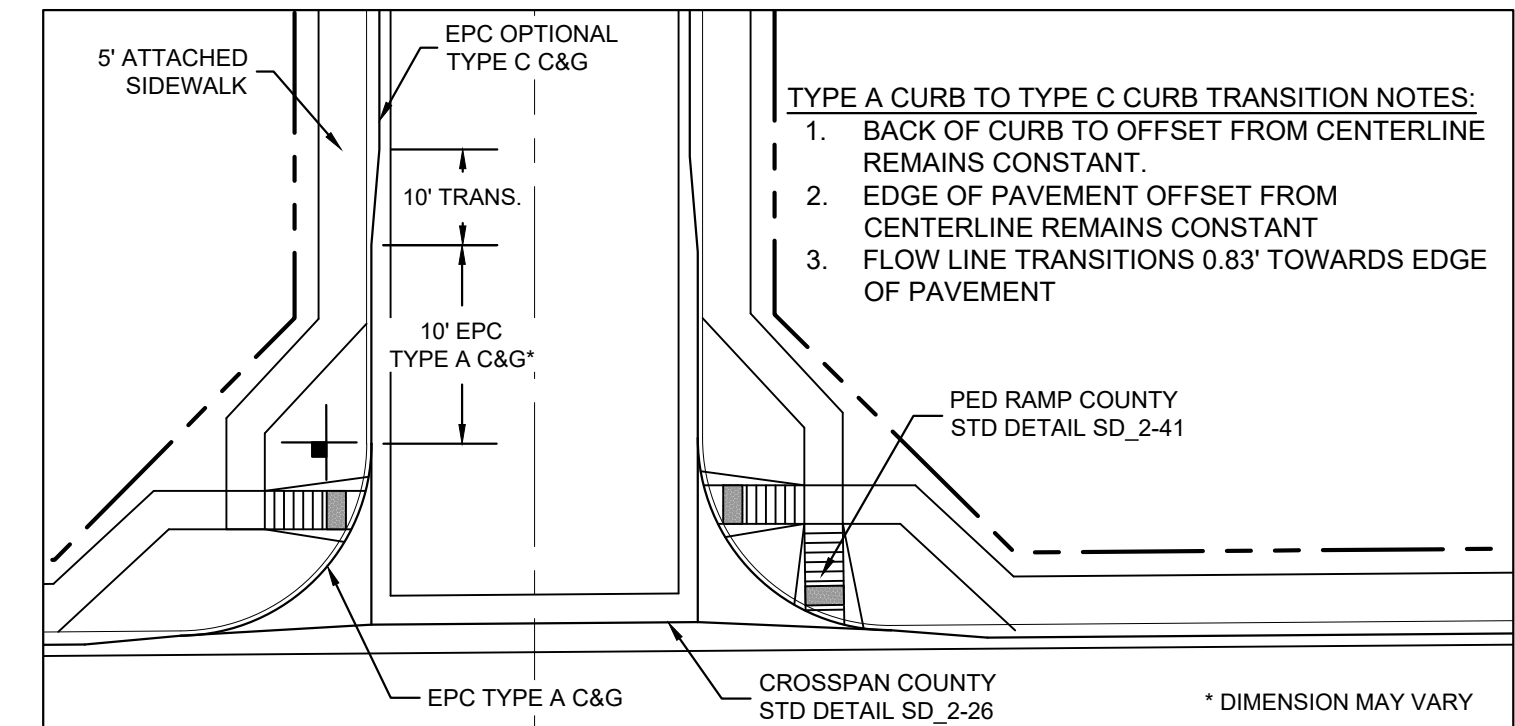
ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 125 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALKS LINES SHALL BE 12" WIDE AND 8' LONG PER CDOT S-627-1.
12.

ALL LONGITUDINAL LINES SHALL BE A MINIMUM 15MIL THICKNESS EPOXY PAINT. ALL NON-LOCAL RESIDENTIAL ROADWAYS SHALL INCLUDE BOTH RIGHT AND LEFT EDGE LINE STRIPING AND ANY ADDITIONAL STRIPING AS REQUIRED BY CDOT S-627-1.
13.

THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
14.

THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS (DPW) PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

TYPICAL CURB TRANSITION DETAIL



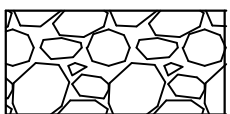
ABBREVIATIONS:

ASSY	ASSEMBLY
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
APPROX	APPROXIMATE or APPROXIMATELY
AVE	AVENUE
AVG	AVERAGE
BLVD	BOULEVARD
BTM	BOTTOM
CEN	CENTER
± or CL	CENTERLINE
CFS	CUBIC FEET PER SECOND
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
EA	EACH
EGL	ENERGY GRADE LINE
ELEV or EL	ELEVATION
ELL	ELBOW
ESMT	EASEMENT
EW	EACHWAY
EX or EXIST	EXISTING
FES	FLARED END SECTION
FIN	FINISHED
± or FL	FLOWLINE
FLG	FLANGE
FT	FOOT / FEET
FRP	FIBERGLASS REINFORCED PIPE
GALV	GALVANIZED
GV	GATE VALVE
HBP	HOT BITUMINOUS PAVEMENT
HGL	HYDRAULIC GRADE LINE
HP	HIGH POINT
HORIZ	HORIZONTAL
HCL	HORIZONTAL CONTROL LINE
INV	INVERT
K	VERTICAL CURVE FACTOR
LBS	POUNDS
LF	LINEAR FEET
LN	LANE
LP	LOW POINT
LT	LEFT
MAX	MAXIMUM
MFR	MANUFACTURER
MH	MANHOLE
MID	MIDDLE or MIDPOINT
MIN	MINIMUM
MJ	MECHANICAL JOINT

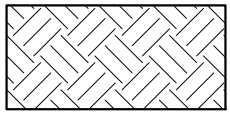
ABBREVIATIONS con't:

NC	NORMAL CROWN
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
O/S	OFFSET
P	PROPOSED
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVE
PCR	POINT OF CURB RETURN
PE	PLAIN END
PIE	PUBLIC IMPROVEMENT EASEMENT
PGL	PROFILE GRADE LINE
± or P/L	PROPERTY LINE
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVE or POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENT
R OR RAD	RADIUS
RC	REVERSE CROWN
RCP	REINFORCED CONCRETE PIPE
RED	REDUCER
REF	REFERENCE
REINF	REINFORCING
REQ	REQUIRED
REV	REVISION
ROW	RIGHT-OF-WAY
RT	RIGHT
SCH	SCHEDULE
SD	STORM SEWER
SO	SQUARE
ST	STREET
STA	STATION
STD	STANDARD
STL	STEEL
SS OR SAN	SANITARY SEWER
SW OR S/W	SIDEWALK
TAN	TANGENT
TB	THRUST BLOCK
TBC	TOP BACK OF CURB
TFC	TOP FACE OF CURB
THD	THREADED
THK OR THICK	THICKNESS
TYP	TYPICAL
UG	UNDERGROUND
UTIL	UTILITY
VC	VERTICAL CURVE
VERT	VERTICAL
W	WIDTH
W/	WITH

MATERIALS LEGEND



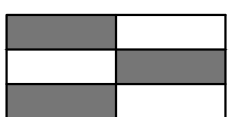
AGGREGATE BASE COURSE



COMPACTED SUBGRADE



CONCRETE



BITUMINOUS PAVEMENT (ASPHALT)

SYMBOLS

	PROPOSED CENTERLINE		EXISTING POWER POLE
	EXISTING PAVED ROAD		THRUST BLOCK
	EXISTING UNDERGROUND UTILITY		FIRE HYDRANT
	PROPOSED UNDERGROUND UTILITY		EXISTING WATER VALVE
	RIGHT OF WAY		PROPOSED WATER VALVE
	EASEMENT		WATER FITTINGS
	EXISTING CURB & GUTTER		EXISTING STORM INLET
	PROPOSED CURB & GUTTER		PROPOSED STORM INLET
	EXISTING CONTOUR		PLUG PIPE
	PROPOSED CONTOUR		PROPOSED SIGN
	LIMITS OF CONSTRUCTION		EXISTING SIGN
	PROPOSED MANHOLE		

REFERENCE DRAWINGS					
No.	DATE	DESCRIPTION	BY		
REVISIONS					
COMPUTER FILE MANAGEMENT					
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\GN01-Bradley Road.dwg					
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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 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)

PREPARED BY:



SEAL



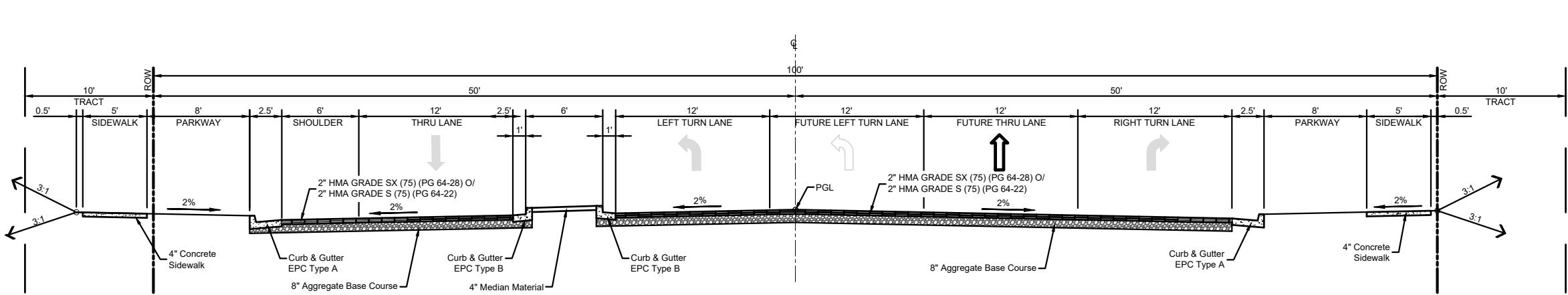
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE

FILING NO. 1
ROADWAY & STORM IMPROVEMENT PLANS

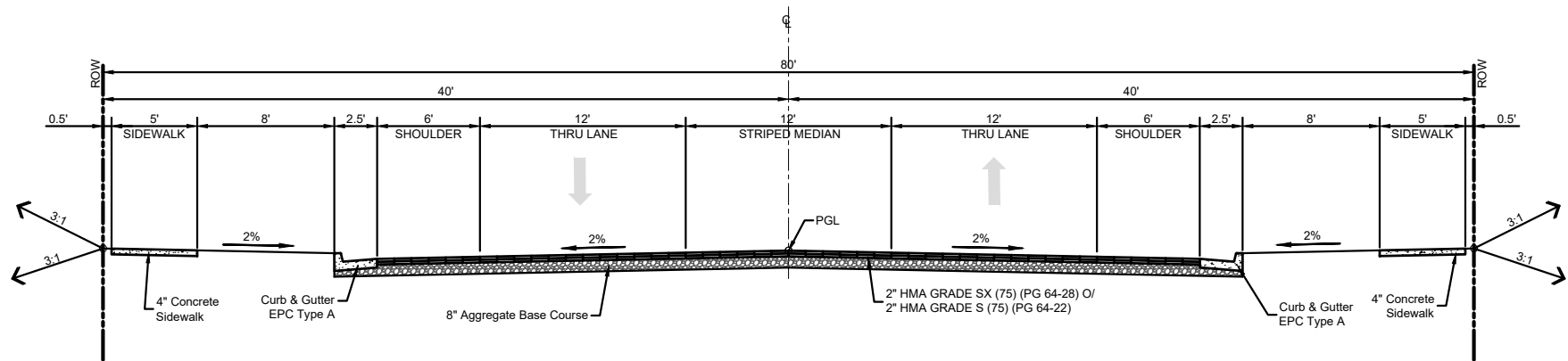
BRADLEY ROAD & LEGACY HILL DRIVE
ROADWAY GENERAL NOTES

DESIGNED BY:	NMS	SCALE	DATE ISSUED:	SEPTEMBER, 2019	DRAWING No.
DRAWN BY:	TJC	HORIZ	N/A		
CHECKED BY:	NMS	VERT.	N/A	SHEET	2 OF 73
					GN01



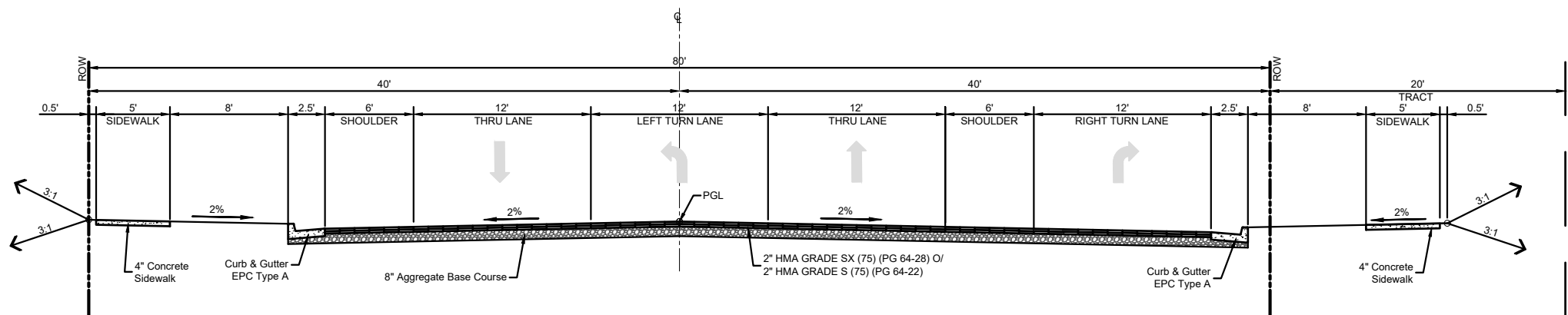
TYPICAL SECTION
LEGACY HILL DRIVE
STA. 3+12.49 to STA. 4+97.40
NOT TO SCALE

NOTE:
STA. 1+99.49 TO STA. 3+12.49 BRADLEY ROAD INTERSECTION.
STA. 4+97.40 TO STA. 6+30.42 TRANSITION TO ROUNDABOUT.
STA. 6+30.42 TO STA. 9+15.36 SEE ROUNDABOUT LAYOUT PLAN.



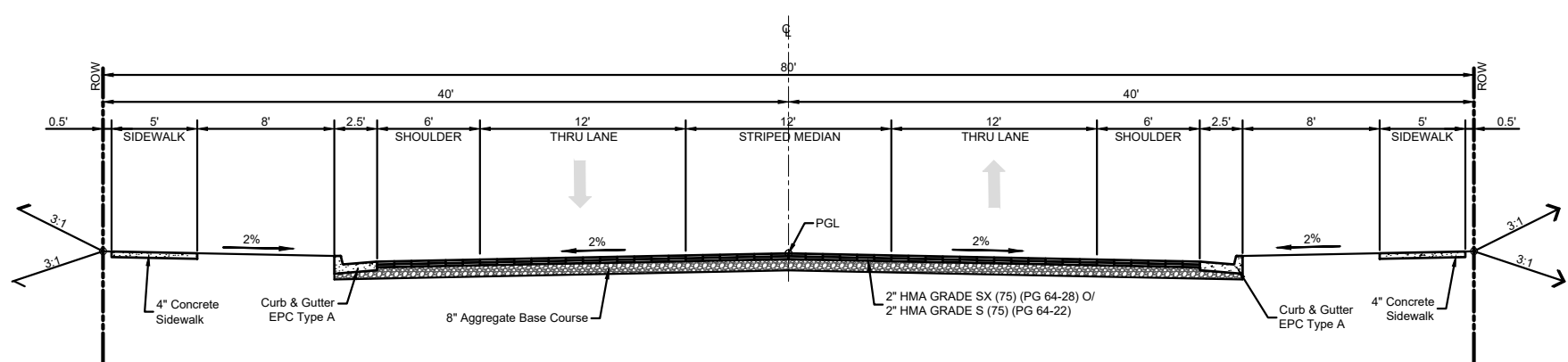
TYPICAL SECTION
LEGACY HILL DRIVE
STA. 9+63.29 to STA. 12+62.10
STA. 16+63.83 to STA. 20+50.35
STA. 24+09.88 to STA. 28+56.54
NOT TO SCALE

NOTE:
STA. 9+15.38 TO STA. 9+63.29 TRANSITION FROM ROUNDABOUT.
STA. 12+62.00 TO STA. 14+30.70 LEFT TURN LANE TRANSITION.
STA. 20+50.35 TO STA. 21+91.67 LEFT TURN LANE TRANSITION.



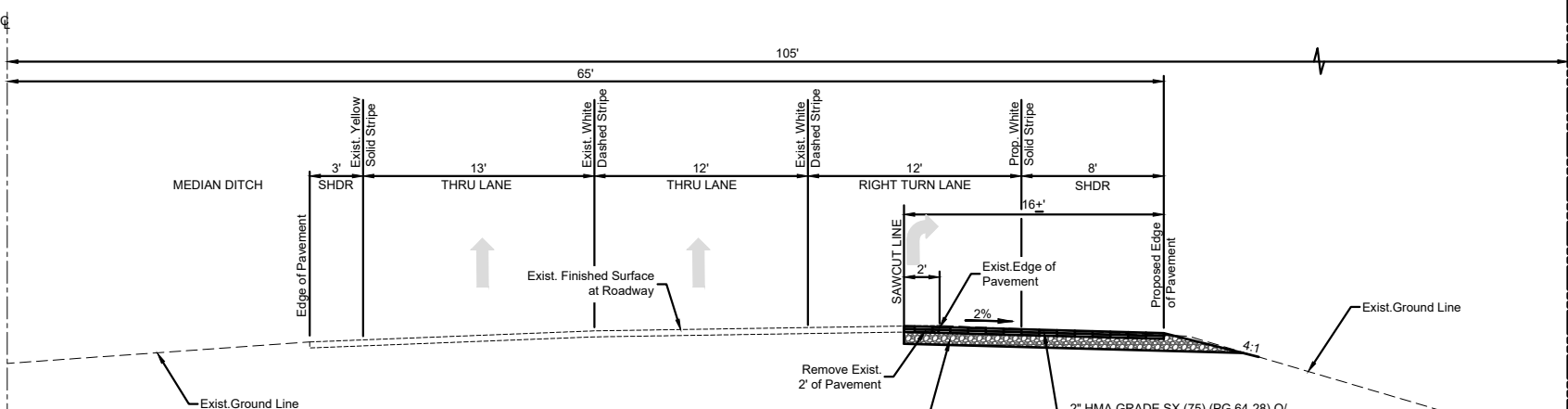
TYPICAL SECTION
LEGACY HILL DRIVE
STA. 14+30.70 to STA. 15+73.65
STA. 21+91.67 to STA. 23+31.77
STA. 29+50.00 to STA. 30+50.00
NOT TO SCALE

NOTE:
STA. 15+80.84 TO STA. 16+63.83 MOOSE MEADOW STREET INTERSECTION.
STA. 23+31.77 TO STA. 24+09.88 SUNDAY GULCH DRIVE INTERSECTION.
STA. 28+56.54 TO STA. 29+41.57 BIG JOHNSON DRIVE INTERSECTION.

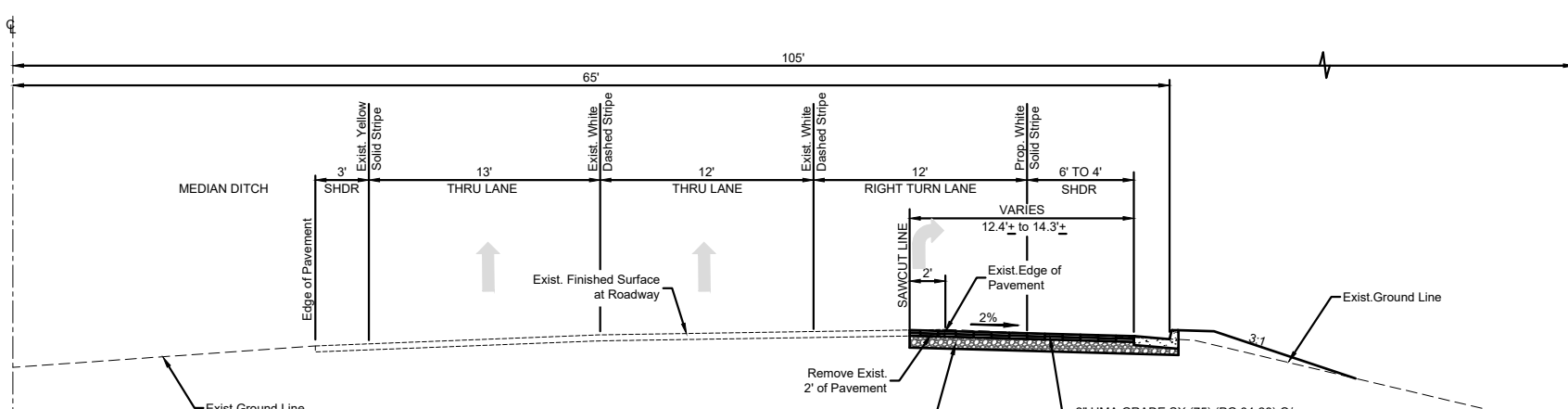


TYPICAL SECTION
FRONTSIDE DRIVE
STA. 27+86.86 to STA. 30+16.700
STA. 34+00.32 to STA. 36+87.12
NOT TO SCALE

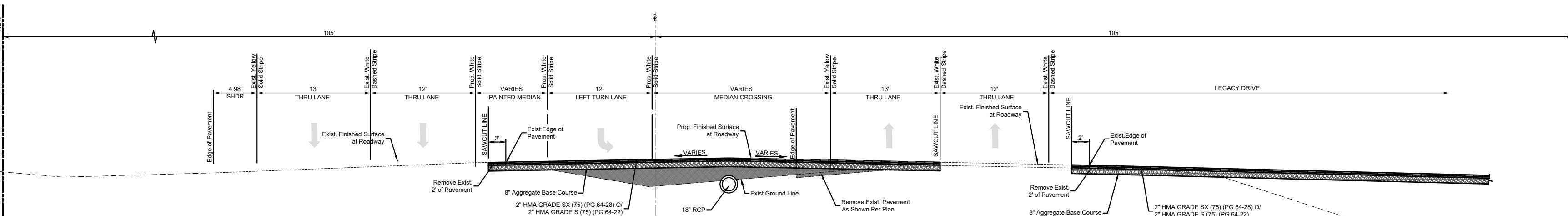
NOTE:
STA. 30+16.70 TO STA. 30+73.19 TRANSITION TO ROUNDABOUT.
STA. 33+20.07 TO STA. 34+00.32 TRANSITION FROM ROUNDABOUT.



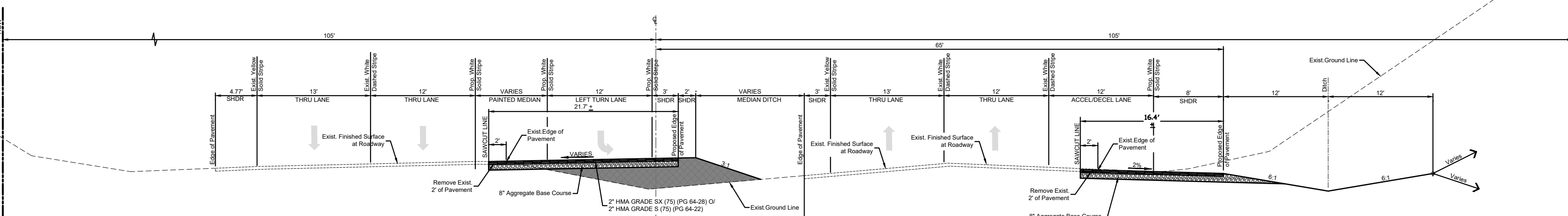
TYPICAL SECTION
BRADLEY ROAD
STA. 11+86.50 to STA. 18+33.21
NOT TO SCALE



TYPICAL SECTION
BRADLEY ROAD
STA. 18+33.21 to STA. 19+40.91
STA. 31+87.58 to STA. 32+99.42
NOT TO SCALE



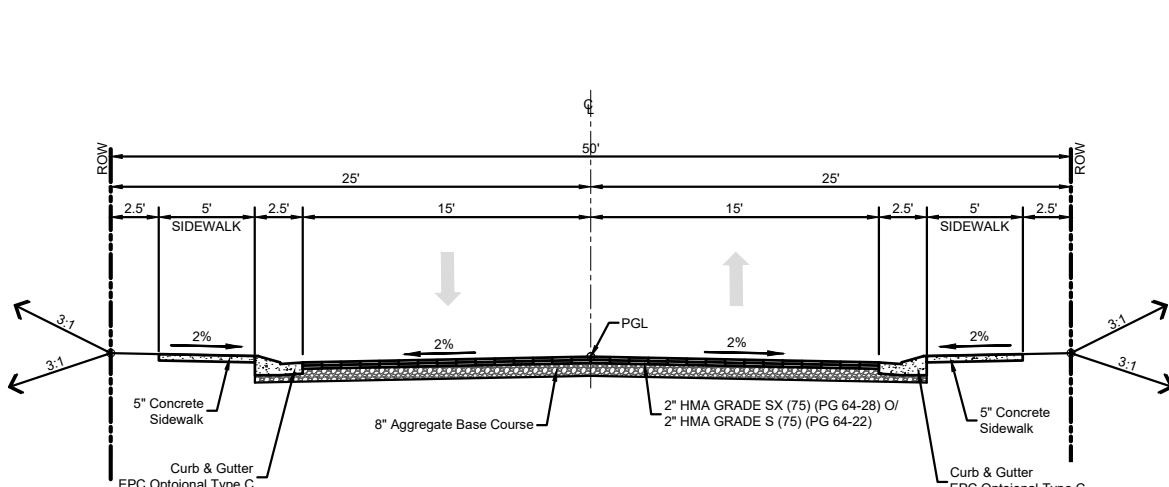
TYPICAL SECTION
BRADLEY ROAD
STA. 20+60.48 to STA. 21+18.46
NOT TO SCALE



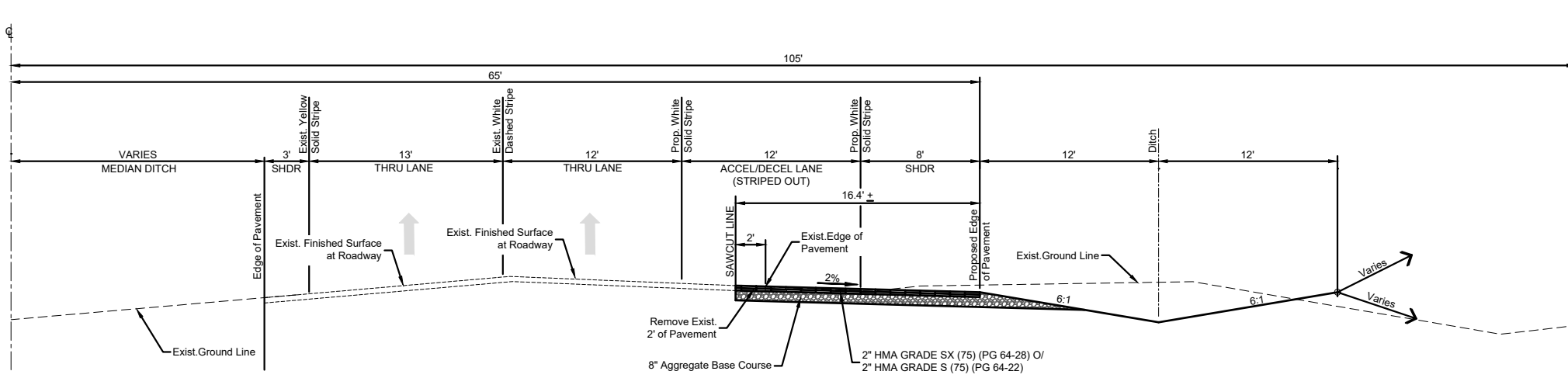
TYPICAL SECTION
BRADLEY ROAD
STA. 21+18.46 to STA. 29+74.97
NOT TO SCALE

NOTE:

PAVEMENT SECTIONS SHOWN ARE MINIMUM PAVEMENT SECTIONS. THE ULTIMATE REQUIRED PAVEMENT SECTION WILL BE PER THE PAVEMENT DESIGN REPORT.



TYPICAL SECTION
LOCAL ROADWAY
NOT TO SCALE



TYPICAL SECTION
BRADLEY ROAD
STA. 29+74.97 to STA. 31+87.58
STA. 33+97.99 to STA. 33+64.59
NOT TO SCALE

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
REVISIONS			
COMPUTER FILE MANAGEMENT			
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CTB FILE: ----			
PLOT DATE: January 23, 2020 11:07:29 AM			
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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 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)

PREPARED BY:



SEAL



FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE

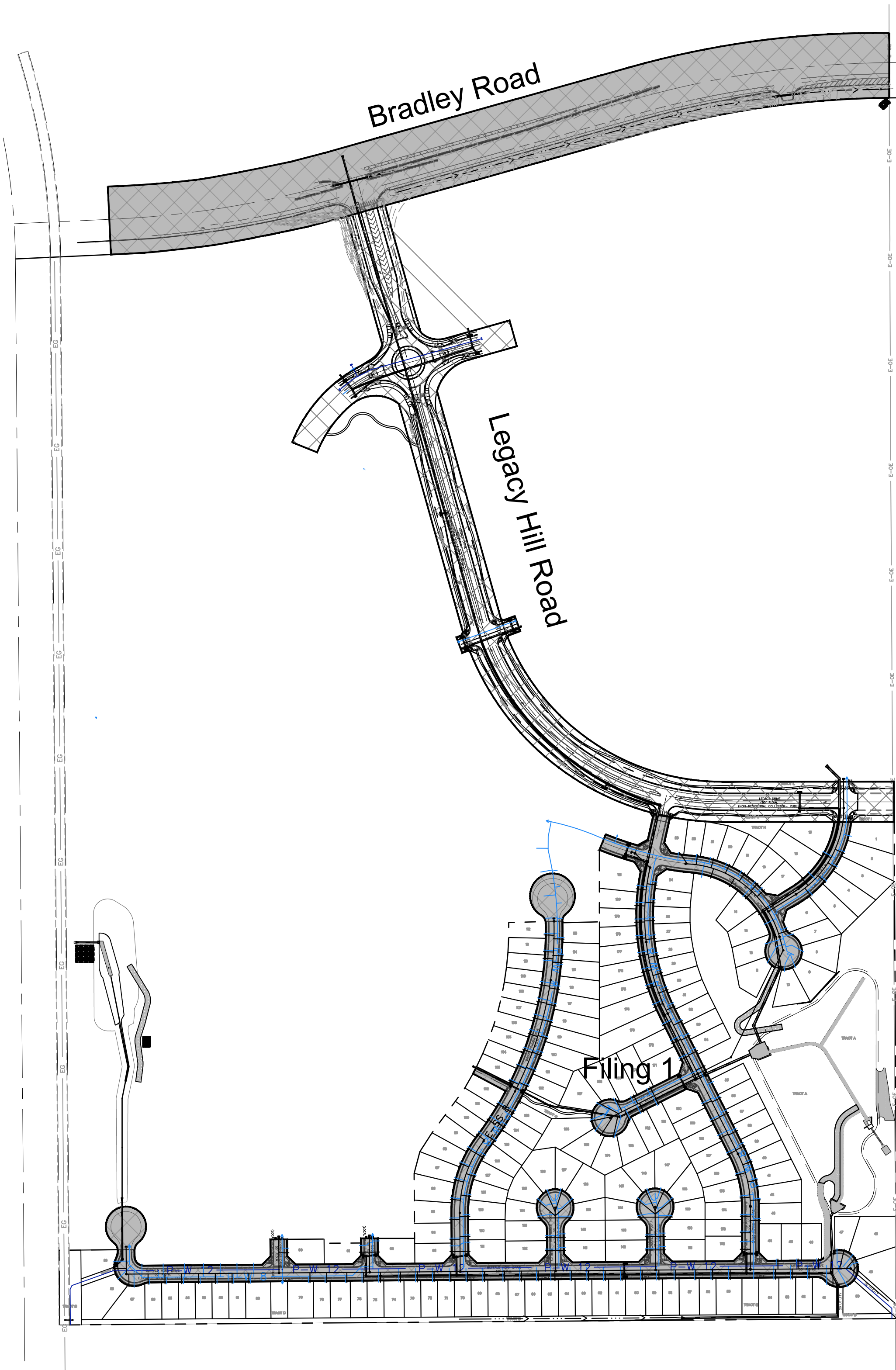
FILING NO. 1
ROADWAY & STORM IMPROVEMENT PLANS

TYPICAL SECTIONS

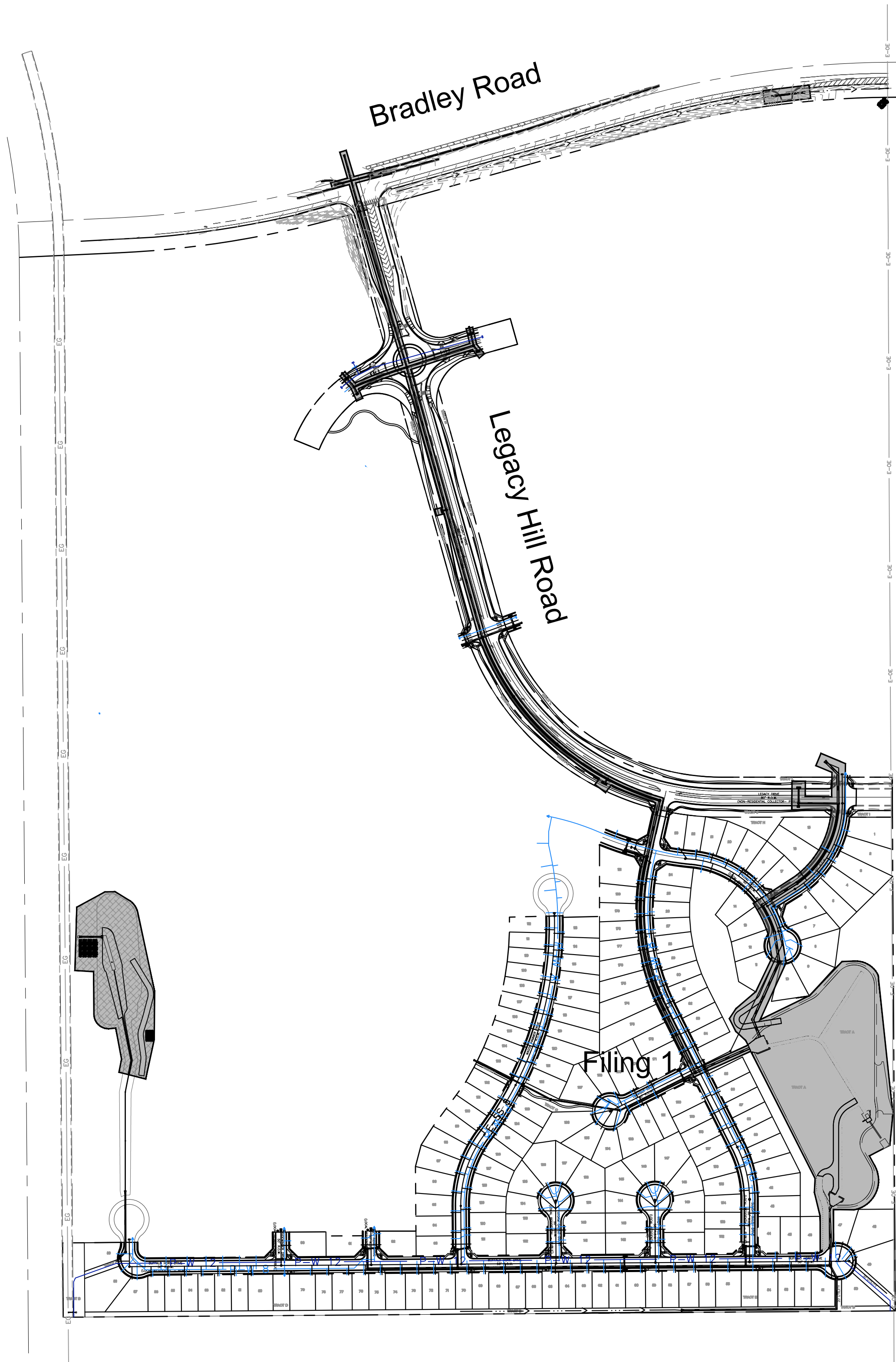
DESIGNED BY:	NMS	SCALE	HORIZ	N/A	DATE ISSUED:	SEPTEMBER, 2019	DRAWING No.	TY01
CHECKED BY:	NMS	VERT.	N/A	SHEET	3 OF 73			



Know what's below.
Call before you dig.

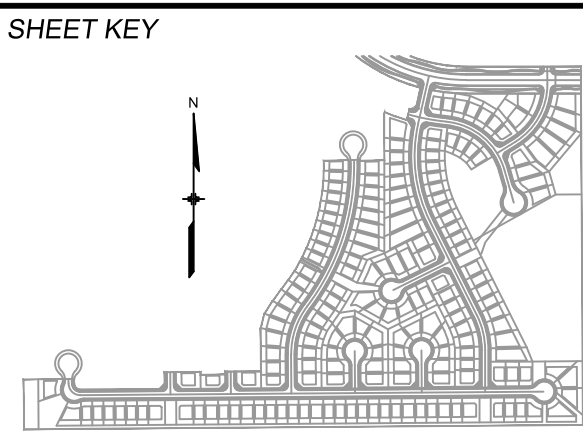


ROADWAY
IMPROVEMENTS



STORM
IMPROVEMENTS

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
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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.
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PREPARED BY:

Matrix
DESIGN GROUP

SEAL

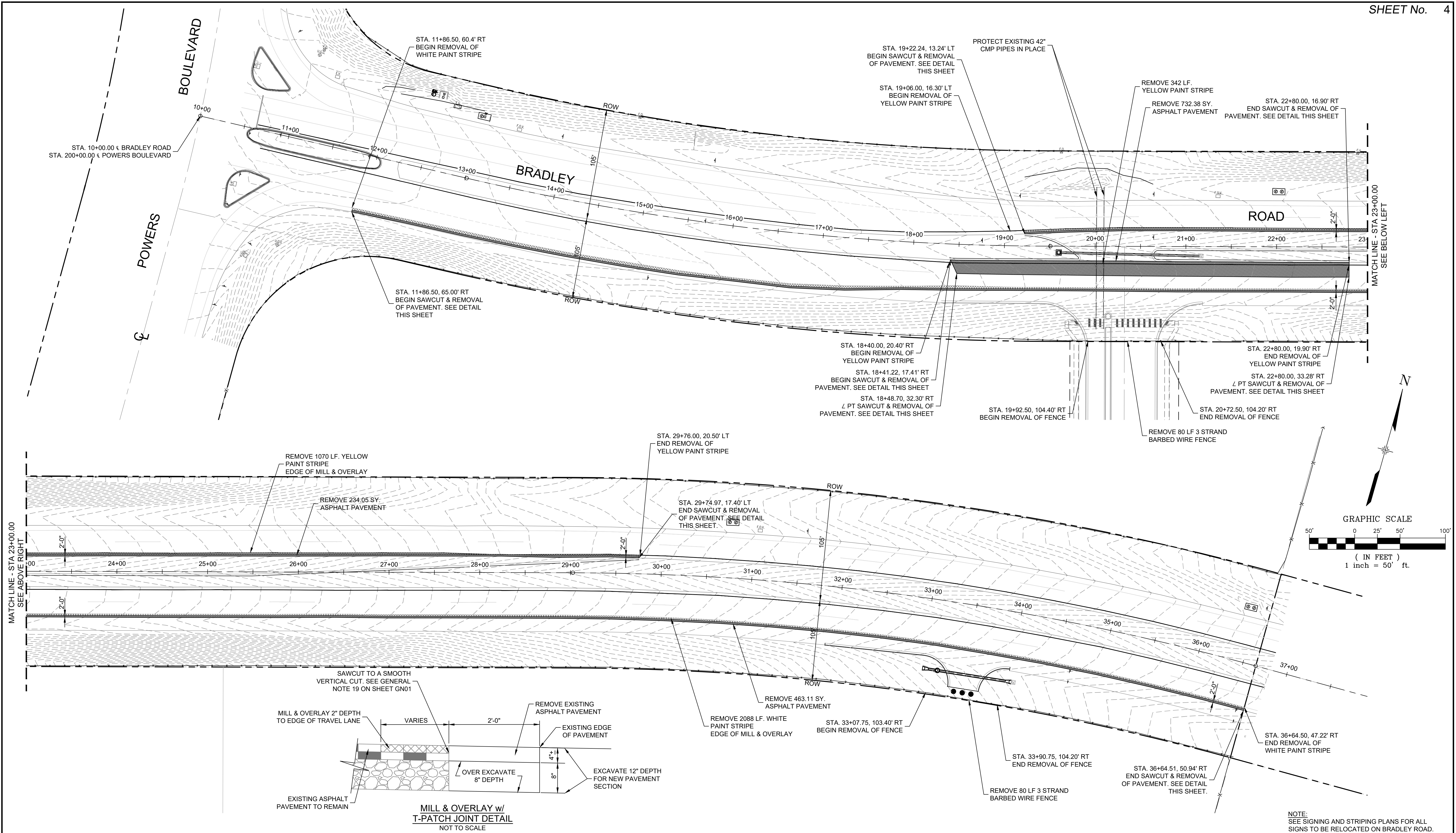
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
FINANCIAL ASSURANCE ESTIMATE			
DESIGNED BY: NMS	SCALE	DATE ISSUED: SEPTEMBER, 2019	DRAWING No.
DRAWN BY: MH	HORIZ 1" = 250'		
CHECKED BY: MH	VERT. N/A	SHEET 3A OF 73	FAE-01

SUBJECT TO SECTION 8.7.2 OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, PORTIONS OF IMPROVEMENTS WITHIN THIS PROJECT ARE ELIGIBLE FOR REIMBURSEMENT FROM THE ADJACENT PROPERTY OWNER (TAX ID NUMBER: 5500000413) AND ARE LISTED BELOW. THE ELIGIBLE IMPROVEMENTS FOR COST RECOVERY SHALL RUN WITH THE LAND. THE LANDOWNERS, THEIR SUCCESSORS, HEIRS, OR ASSIGNS SHALL BE BOUND BY COST RECOVERY PER THE EL PASO COUNTY LAND DEVELOPMENT CODE, AS AMENDED.

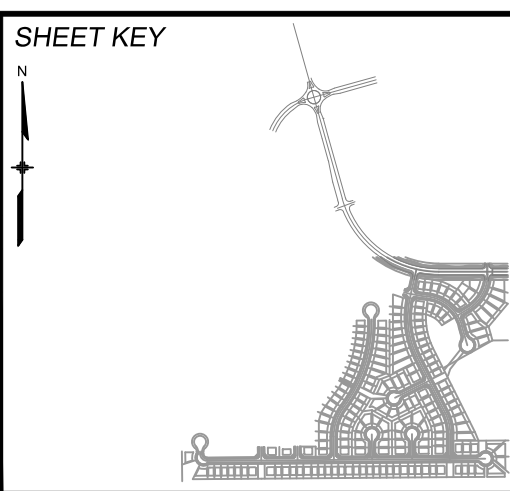
Filing 1 Non-Recoverable			
ROADWAY IMPROVEMENTS			
Description	Quantity	Unit	
Aggregate Base Course (8" thick)	6,618	SY	
Asphalt Pavement (4" thick)	24,639	SY	
Regulatory Sign/Advisory Sign	11	EA	
Guide/Street Name Sign	18	EA	
Epoxy Pavement Marking		SF	
Thermoplastic Pavement Marking		SF	
Barricade - Type 3	6	EA	
Curb and Gutter, Type A (6" Vertical)	1,614	LF	
Curb and Gutter, Type C (Ramp)	11,670	LF	
4" Sidewalk (common areas only)	7,341	SY	
Pedestrian Ramp	40	EA	
STORM DRAIN IMPROVEMENTS			
18" Reinforced Concrete Pipe	1,035	LF	
24" Reinforced Concrete Pipe	1,205	LF	
30" Reinforced Concrete Pipe	1,316	LF	
36" Reinforced Concrete Pipe	57	LF	
42" Reinforced Concrete Pipe	141	LF	
48" Reinforced Concrete Pipe	90	LF	
Flared End Section (FES) RCP Size = 30"	1	EA	
Flared End Section (FES) RCP Size = 24"	2	EA	
End Treatment-Headwall		EA	
End Treatment-Wingwall		EA	
End Treatment - Cutoff Wall		EA	
Curb Inlet (Type R) L=5', Depth < 5'	3	EA	
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	4	EA	
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	
Curb Inlet (Type R) L=10', Depth < 5'		EA	
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'	12	EA	
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'		EA	
Curb Inlet (Type R) L=15', Depth < 5'		EA	
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'	2	EA	
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'		EA	
Curb Inlet (Type R) L=20', Depth < 5'		EA	
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'		EA	
Grated Inlet (Type C), Depth < 5'		EA	
Grated Inlet (Type D), Depth < 5'		EA	
Storm Sewer Manhole, Box Base		EA	
Storm Sewer Manhole, Slab Base	19	EA	
Rin. Rap. d50 size from 6" to 24"		TN	
Drainage Channel Lining, Concrete		CY	
Drainage Micropool		EA	
Drainage Forebay		EA	
Drainage Sand Filter Basin		EA	
WATER SYSTEM IMPROVEMENTS			
Water Main Pipe (PVC), Size 8"	4,580	LF	
Water Main Pipe (PVC), Size 12"	2,720	LF	
Gate Valves, 8"	35	EA	
Gate Valves, 12"	27	EA	
Fire Hydrant Assembly, w/ all valves	21	EA	
Water Service Line Installation, inc. tap and valves	181	EA	
SANITARY SEWER IMPROVEMENTS			
Sewer Main Pipe (PVC), Size 8"	404	LF	
Sanitary Sewer Manhole, Depth < 15 feet	2	EA	
Sanitary Service Line Installation, complete	181	EA	

Xref 1102 XrefX_Title_Road down



NOTE:
SEE SIGNING AND STRIPING PLANS FOR ALL
SIGNS TO BE RELOCATED ON BRADLEY ROAD.

REFERENCE DRAWINGS					
	No.	DATE	DESCRIPTION		BY
REVISIONS					
COMPUTER FILE MANAGEMENT					
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RM01-Bradley Road.dwg					
CTB FILE: ----					
PLOT DATE: January 23, 2020 11:09:48 AM					
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.					



BENCHMARK
 COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
 A BERTSEN 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 ½" AULM. CAP PLS 17664) TO THE N ¼ CORNER OF SAID SECTION 9 (3 ¾" AULM. CAP PLS 10377)

PREPARED BY:

Matrix
DESIGN GROUP



FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

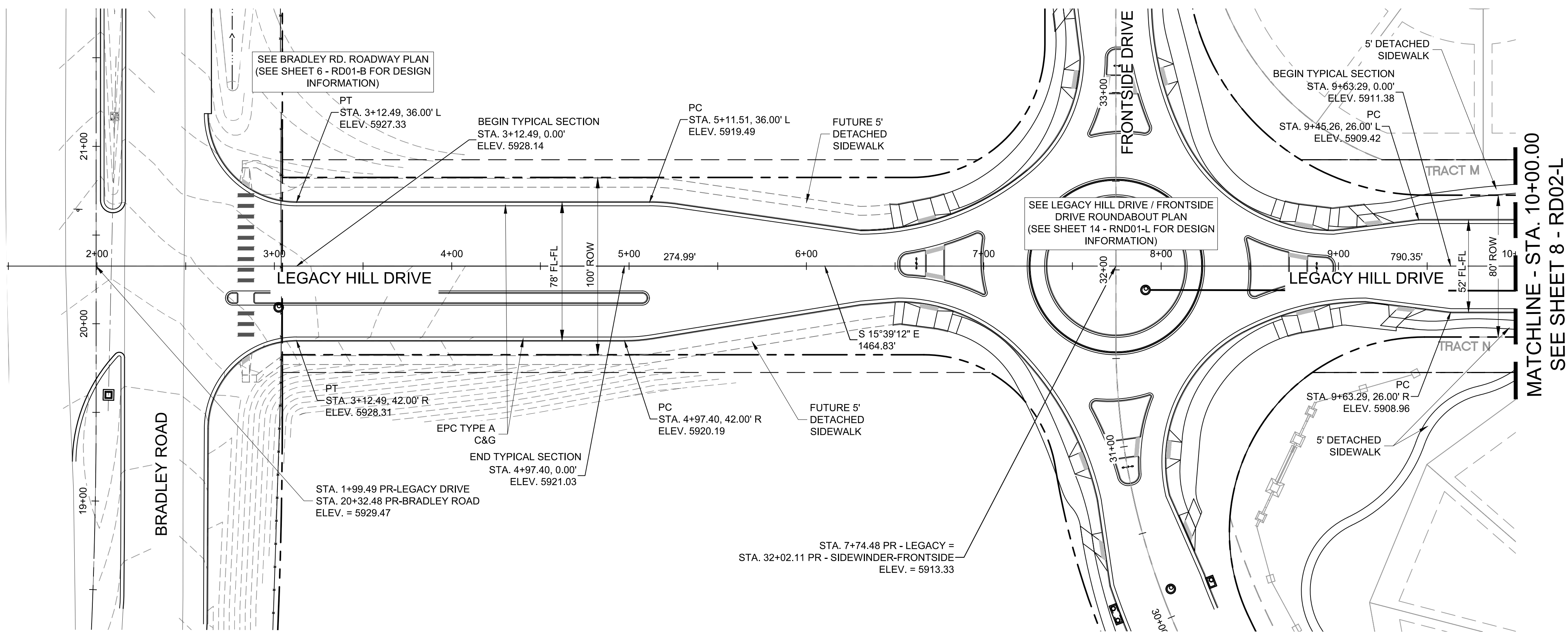
<h1 style="text-align: center;">TRAILS AT ASPEN RIDGE</h1>			
<h2 style="text-align: center;">FILING NO. 1</h2> <h3 style="text-align: center;">ROADWAY & STORM IMPROVEMENT PLANS</h3>			
<h2 style="text-align: center;">BRADLEY ROAD</h2> <h3 style="text-align: center;">PROJECT DEMOLITION</h3>			
DESIGNED BY:	NMS	SCALE	DATE ISSUED: SEPTEMBER, 2019
DRAWN BY:	TJC	HORIZ. 1" = 50'	DRAWING No. RM01-B
CHECKED BY:	NMS	VERT. N.A.	
		SHEET	4 OF 73

[illegible]

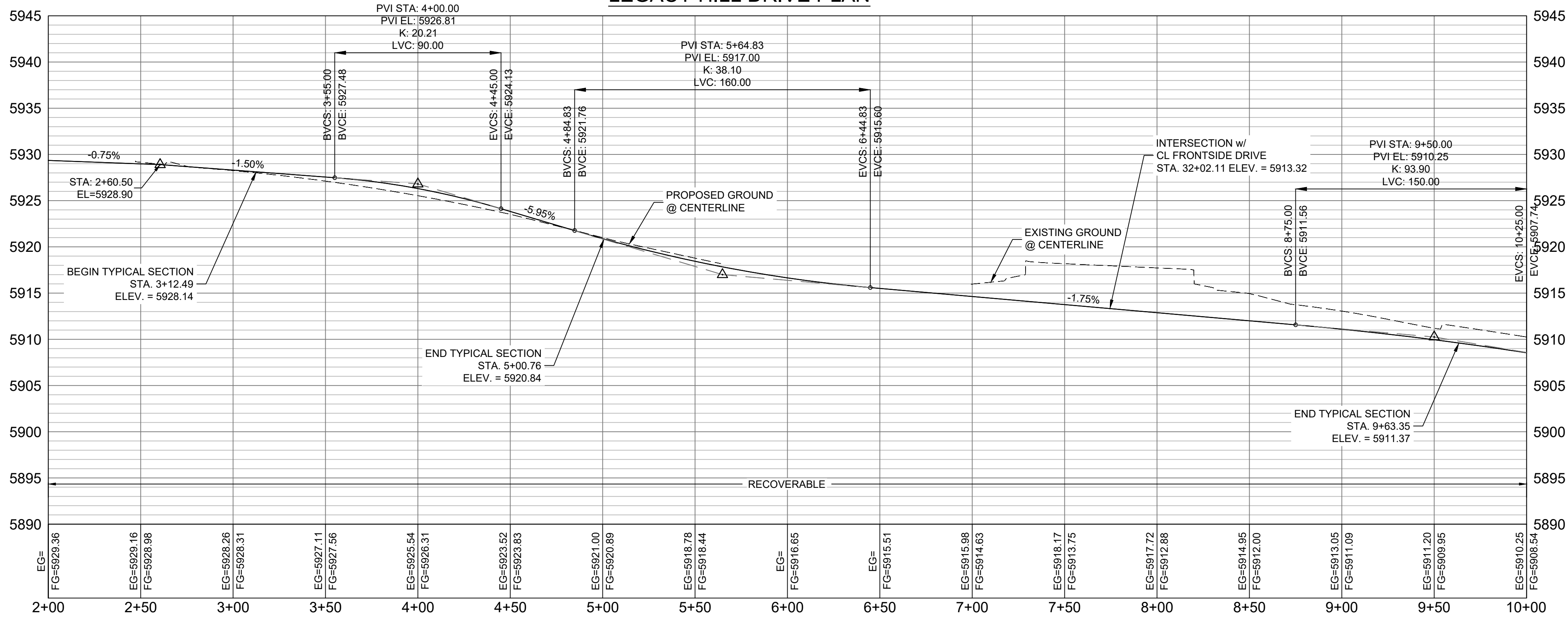
REFERENCE DRAWINGS						<div>SHEET KEY</div> <div></div>	<div>BENCHMARK</div> <div>COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F208 A BERNITSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD. ELEVATION - 5897.89' U.S. SURVEY FT</div> <div> </div> <div>BASIS OF BEARING</div> <div>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 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)</div>	<div>PREPARED BY:</div> <div></div>	<div>SEAL</div> <div></div> <div>FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT NO. 19.886.011</div>	<div>TRAILS AT ASPEN RIDGE</div>				
										<div>FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS</div>				
										<div>BRADLEY ROAD ROADWAY PLAN</div>				
	No.	DATE	DESCRIPTION REVISIONS							BY				
<div>COMPUTER FILE MANAGEMENT</div> <div>FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD01-B.dwg CTB FILE: ---- PLOT DATE: January 23, 2020 11:14:09 AM THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE</div>														



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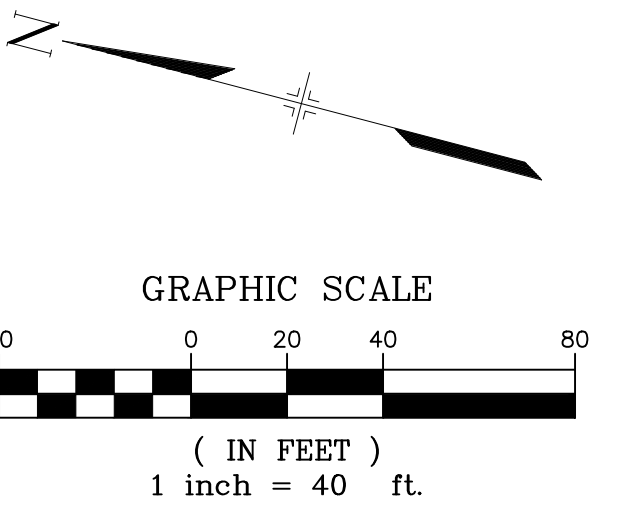


LEGACY HILL DRIVE PLAN

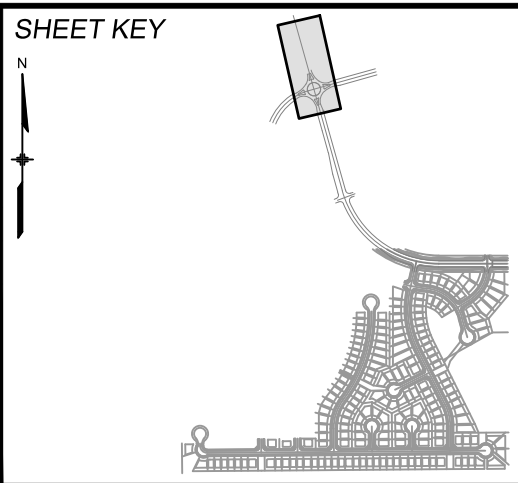


LEGACY HILL DRIVE CL PROFILE

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



REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD01-Legacy Road.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 11:15:46 AM			
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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

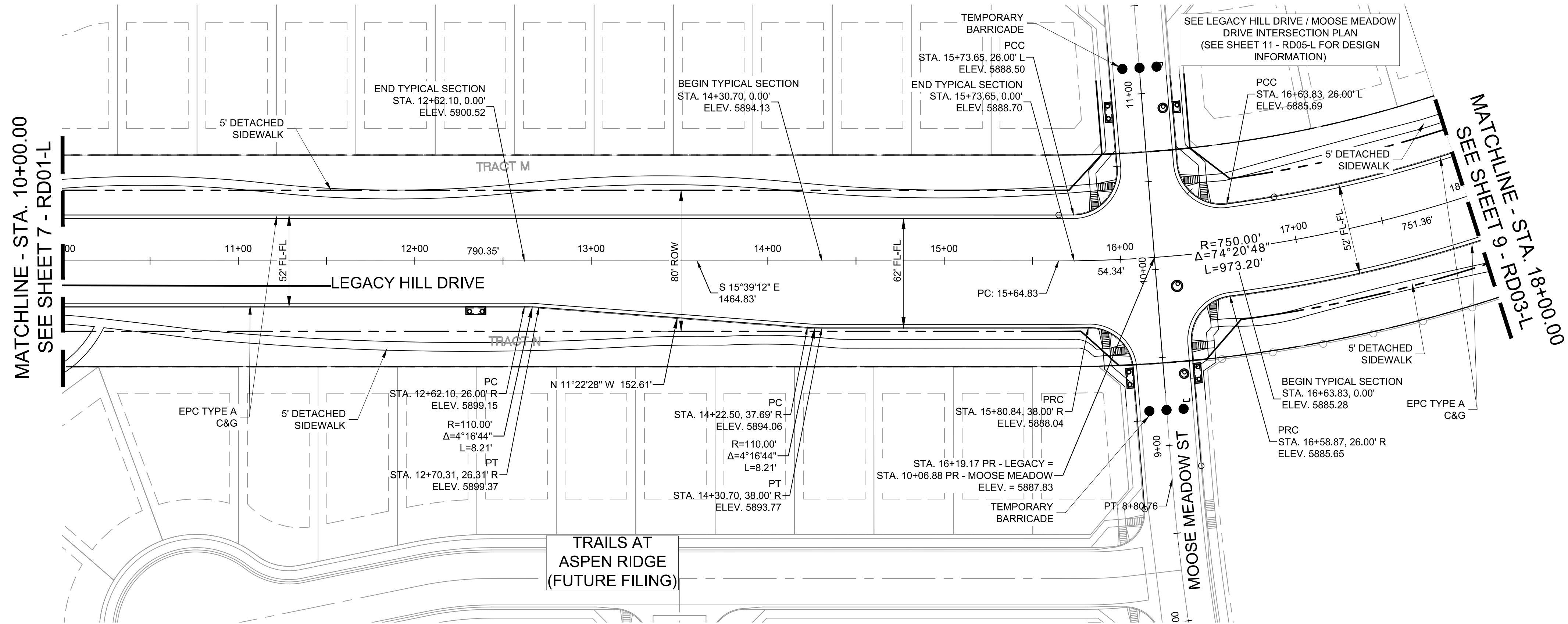
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS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



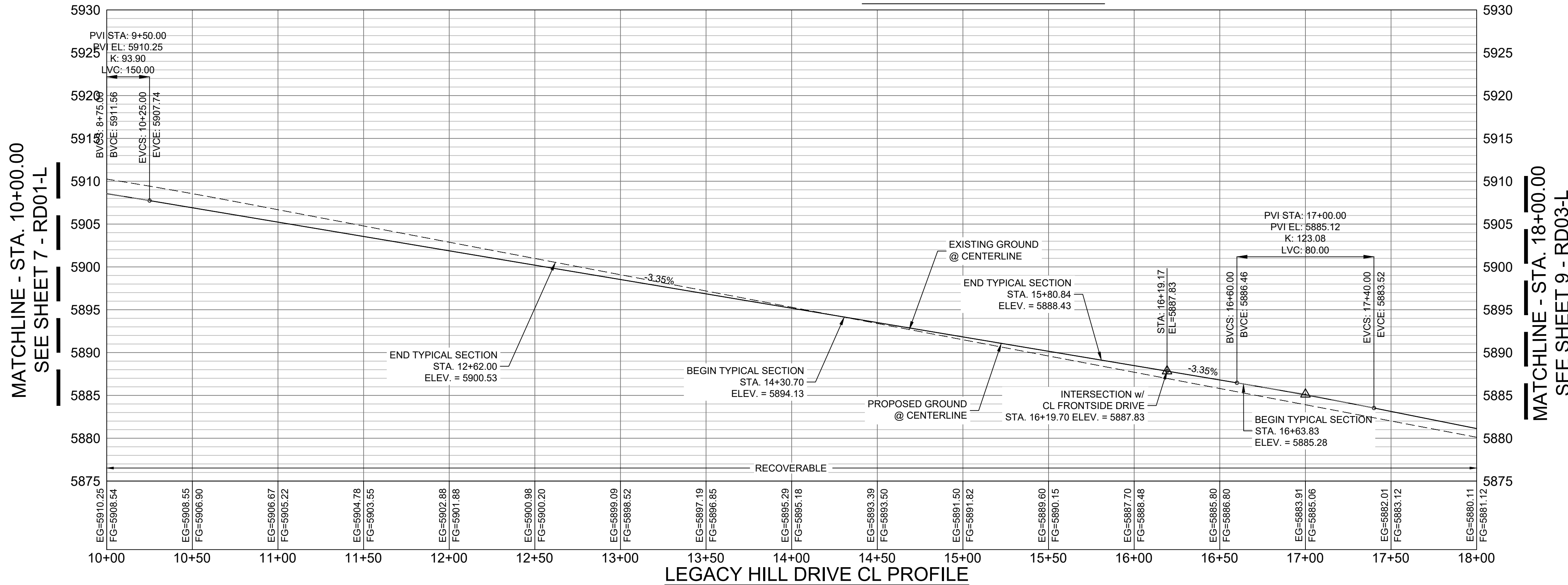
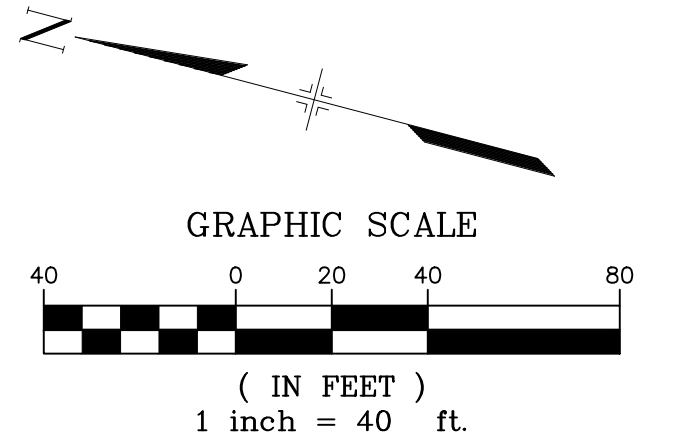
TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
LEGACY HILL DRIVE PLAN & PROFILE			
DESIGNED BY: NMS	SCALE: 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RD01-L
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 7 OF 73	



Know what's below.
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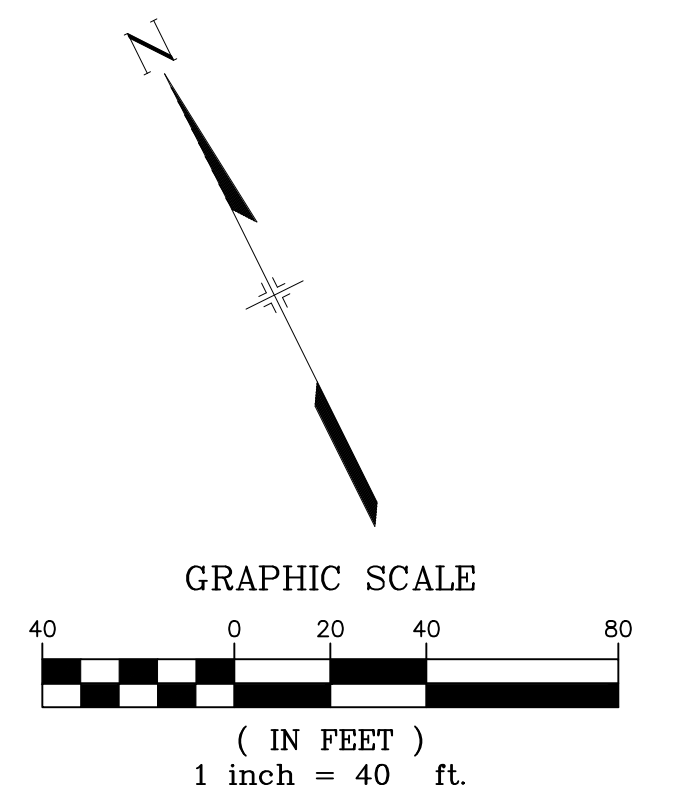
LEGACY HILL DRIVE PLAN



LEGACY HILL DRIVE CL PROFILE

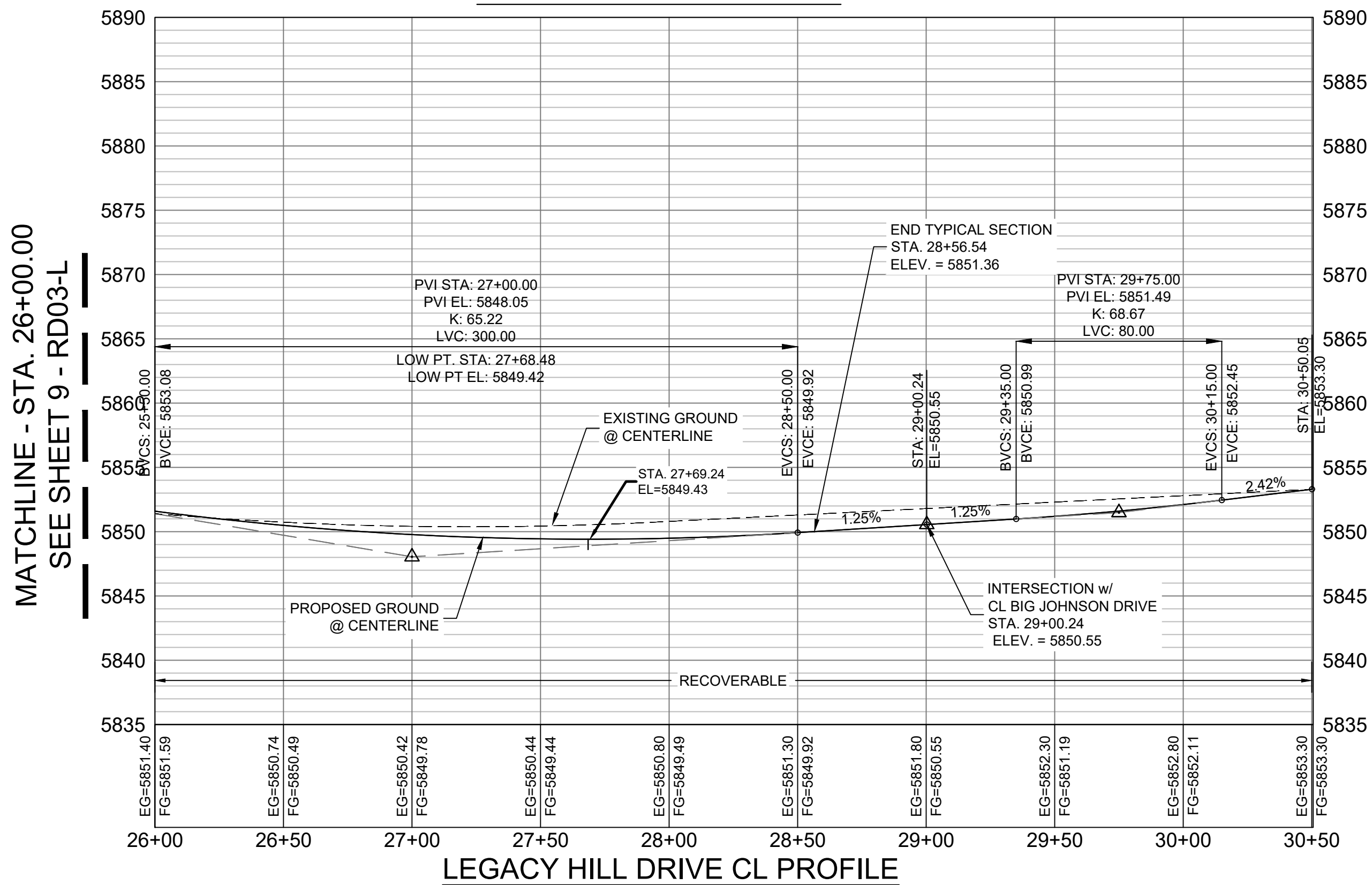
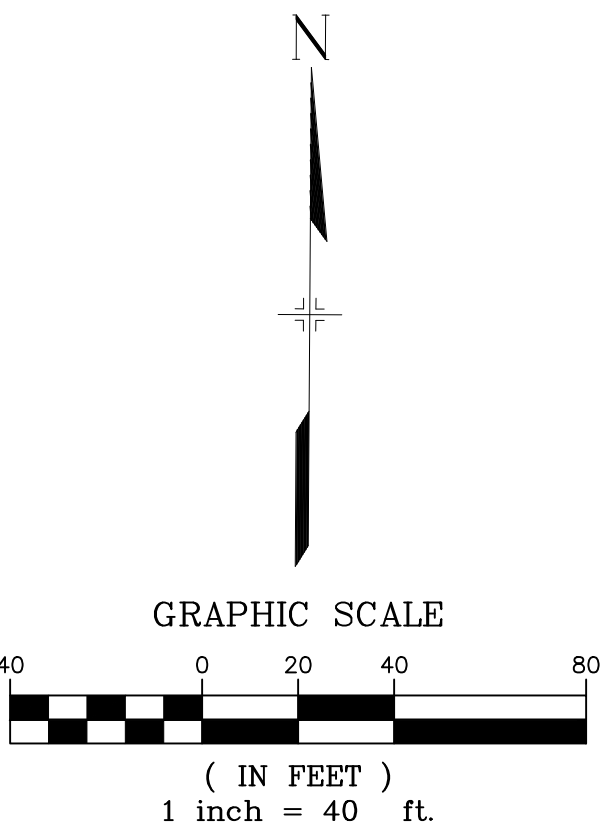
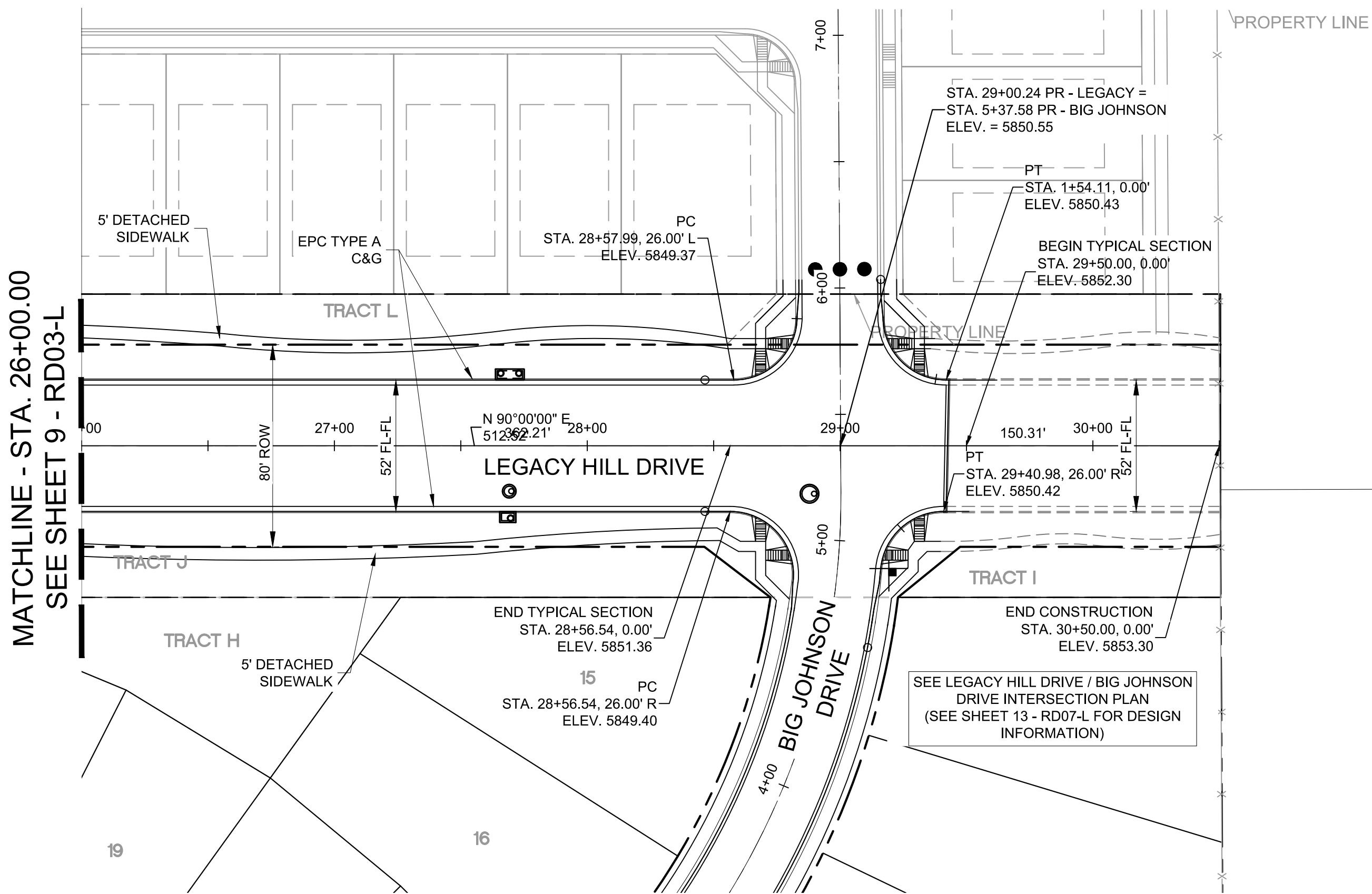
HORIZ: 1" = 40'
VERT: 1" = 8'

REFERENCE DRAWINGS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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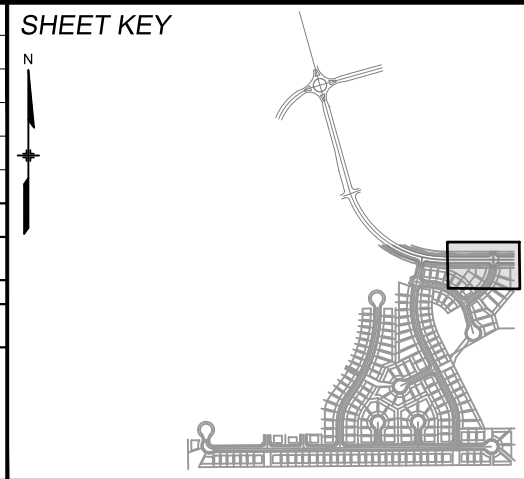
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HORIZ: 1" = 40'
VERT: 1" = 8'

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
LEGACY HILL DRIVE PLAN & PROFILE			
DESIGNED BY:	NMS	SCALE	DATE ISSUED: SEPTEMBER, 2019
DRAWN BY:	TJC	HORIZ. 1" = 40'	DRAWING No. RD03-L
CHECKED BY:	NMS	VERT. 1" = 8'	
		SHEET	9 OF 73



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No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
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CTB FILE: ----			
PLOT DATE: January 23, 2020 11:16:00 AM			
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

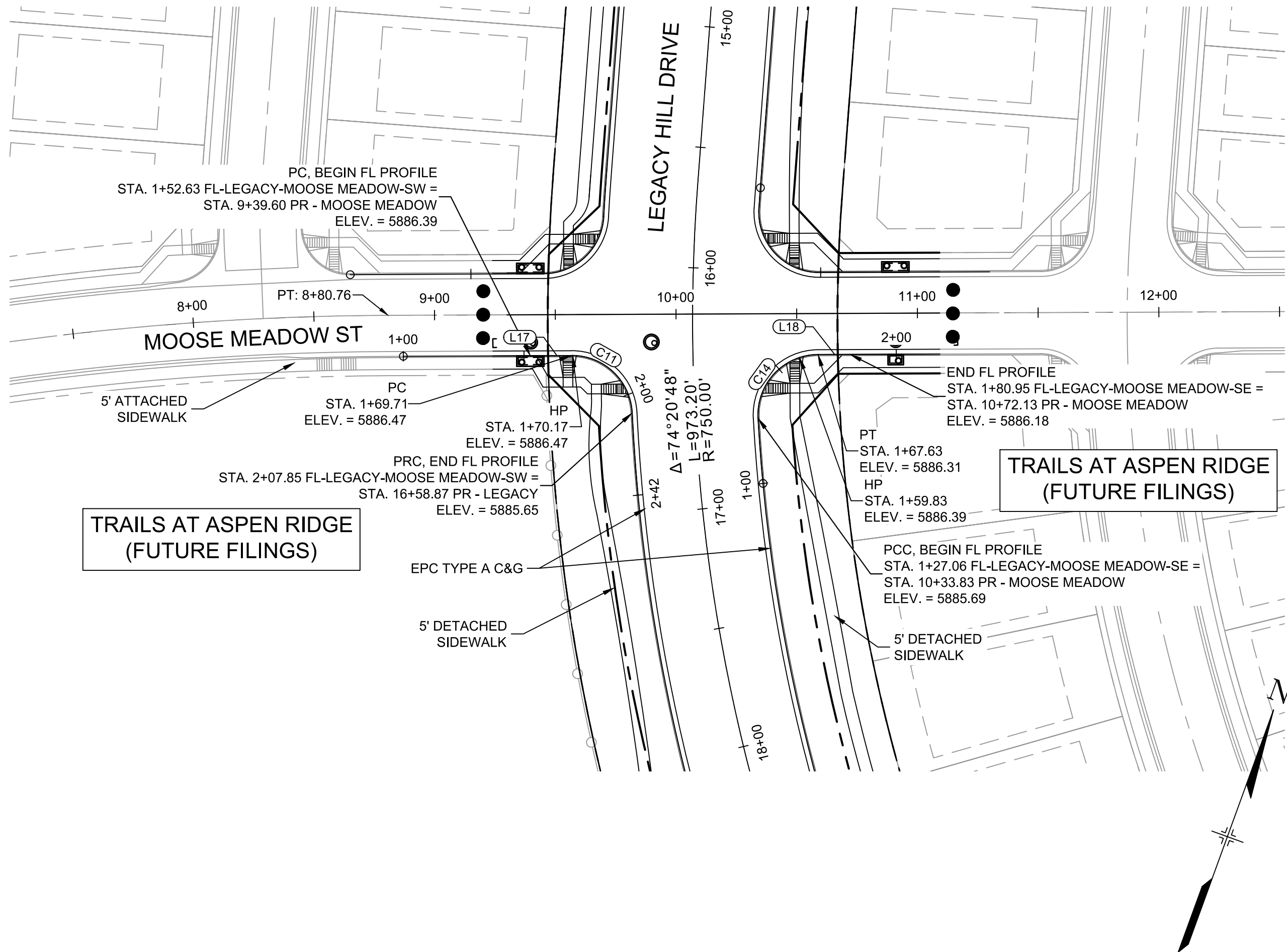
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BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF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



TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
LEGACY HILL DRIVE PLAN & PROFILE			
DESIGNED BY: NMS	SCALE: HORIZ 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RD04-L
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 10 OF 73	



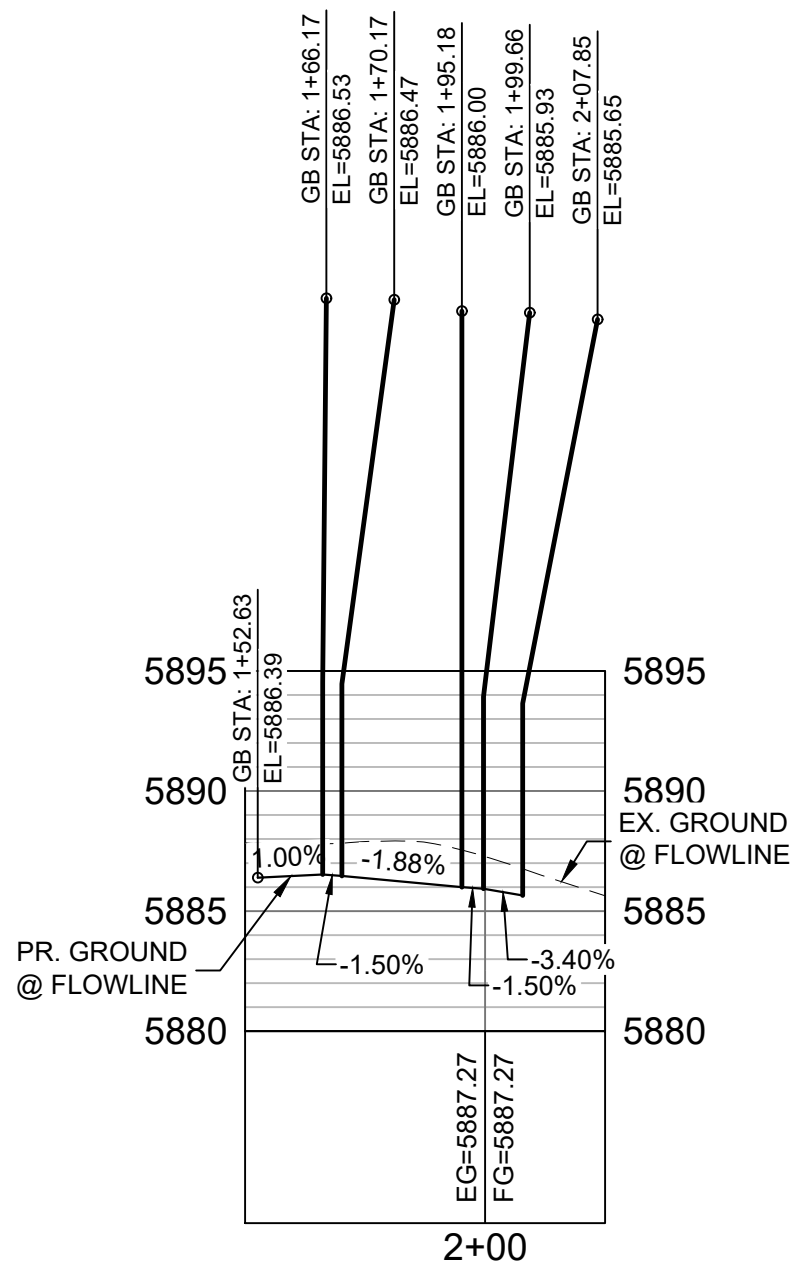
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TRAILS AT ASPEN RIDGE
(FUTURE FILINGS)

TRAILS AT ASPEN RIDGE
(FUTURE FILINGS)

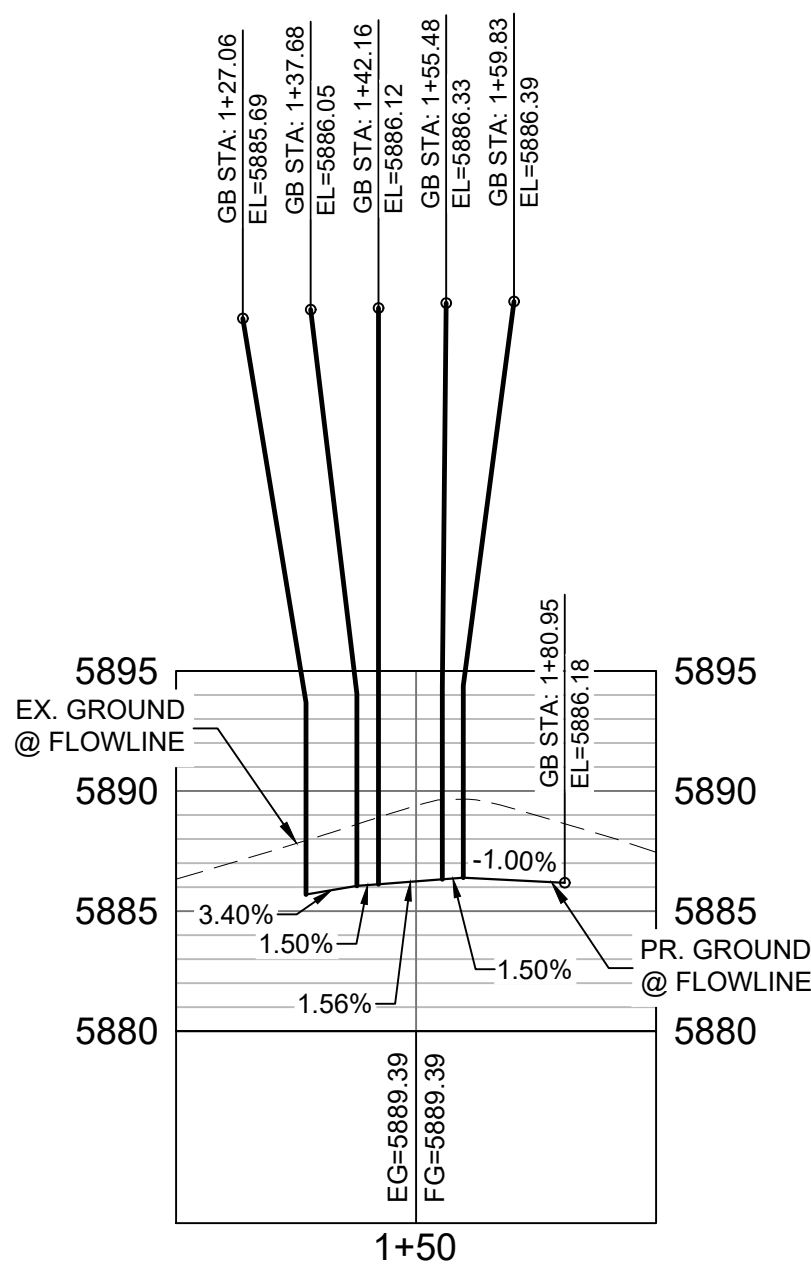
TRAILS AT ASPEN RIDGE
(FUTURE FILINGS)



MOOSE MEADOW SW FLOWLINE

PROFILE

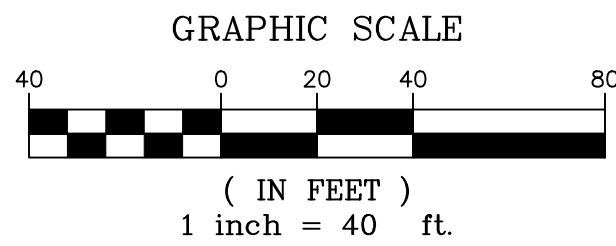
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VERT: 1" = 8'



MOOSE MEADOW SE FLOWLINE

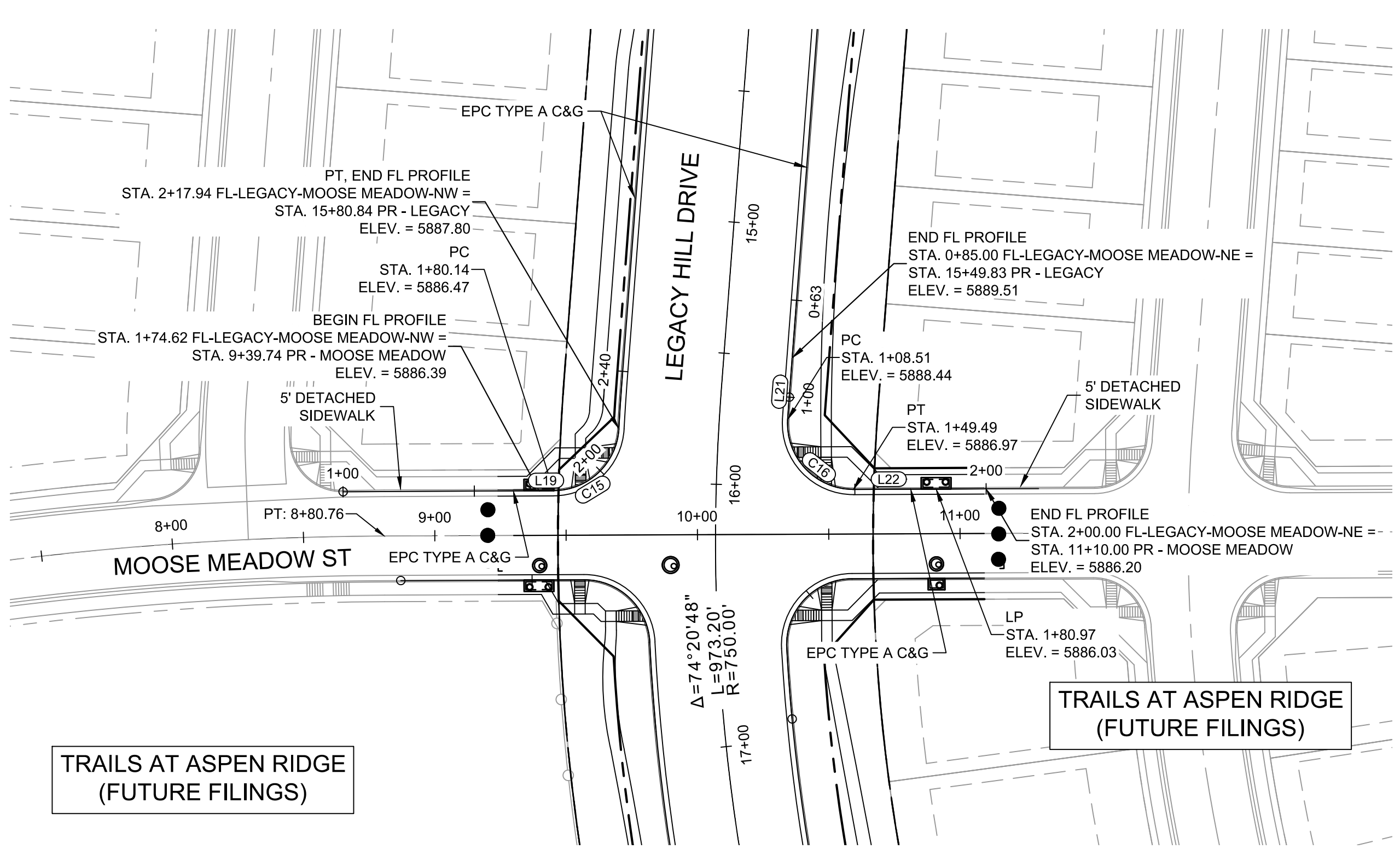
PROFILE

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



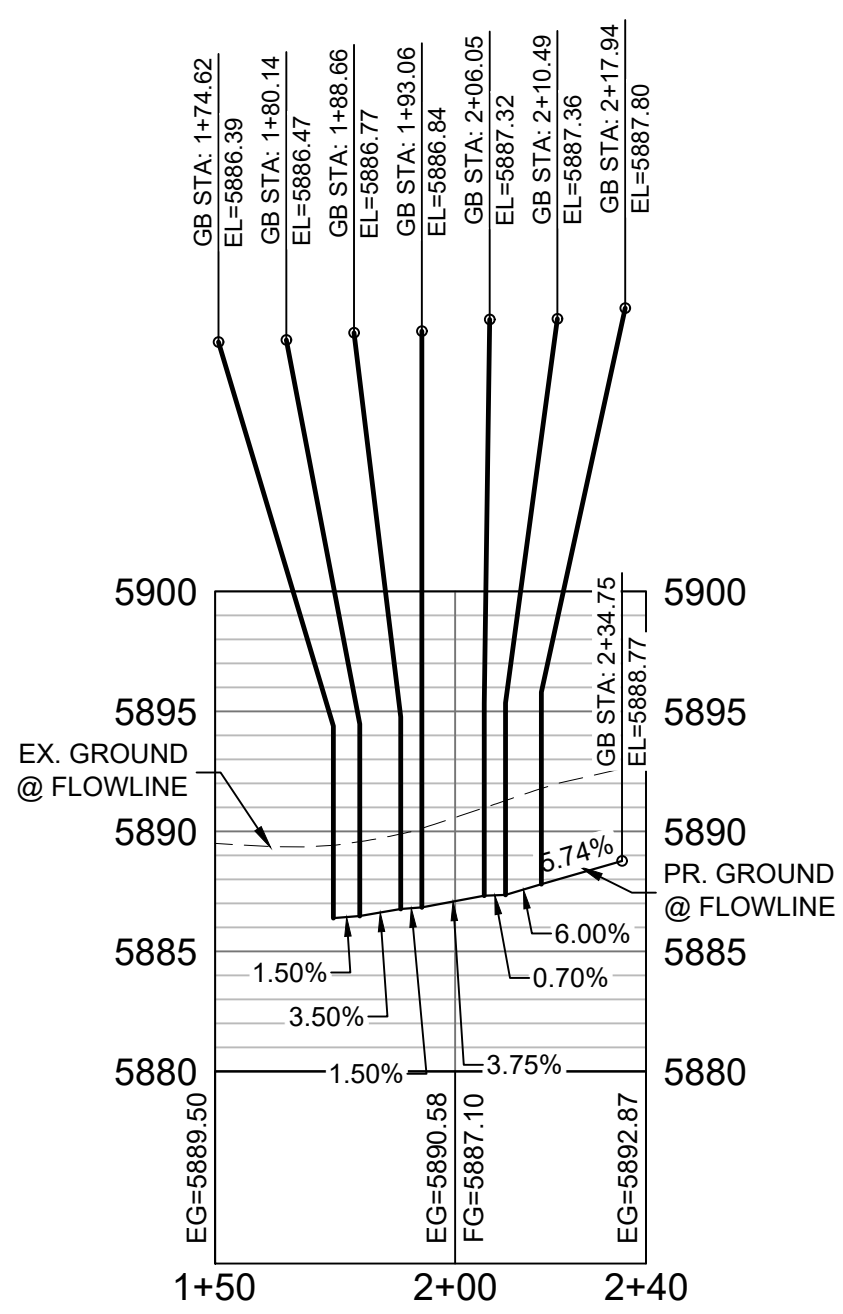
LINE TABLE		
LINE #	BEARING	DISTANCE
L17	N69°44'49"E	17.08
L18	N69°45'39"E	13.32

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	ANGLE
C11	38.14	25.00	87°24'07"
C14	40.57	25.00	92°58'38"



TRAILS AT ASPEN RIDGE
(FUTURE FILINGS)

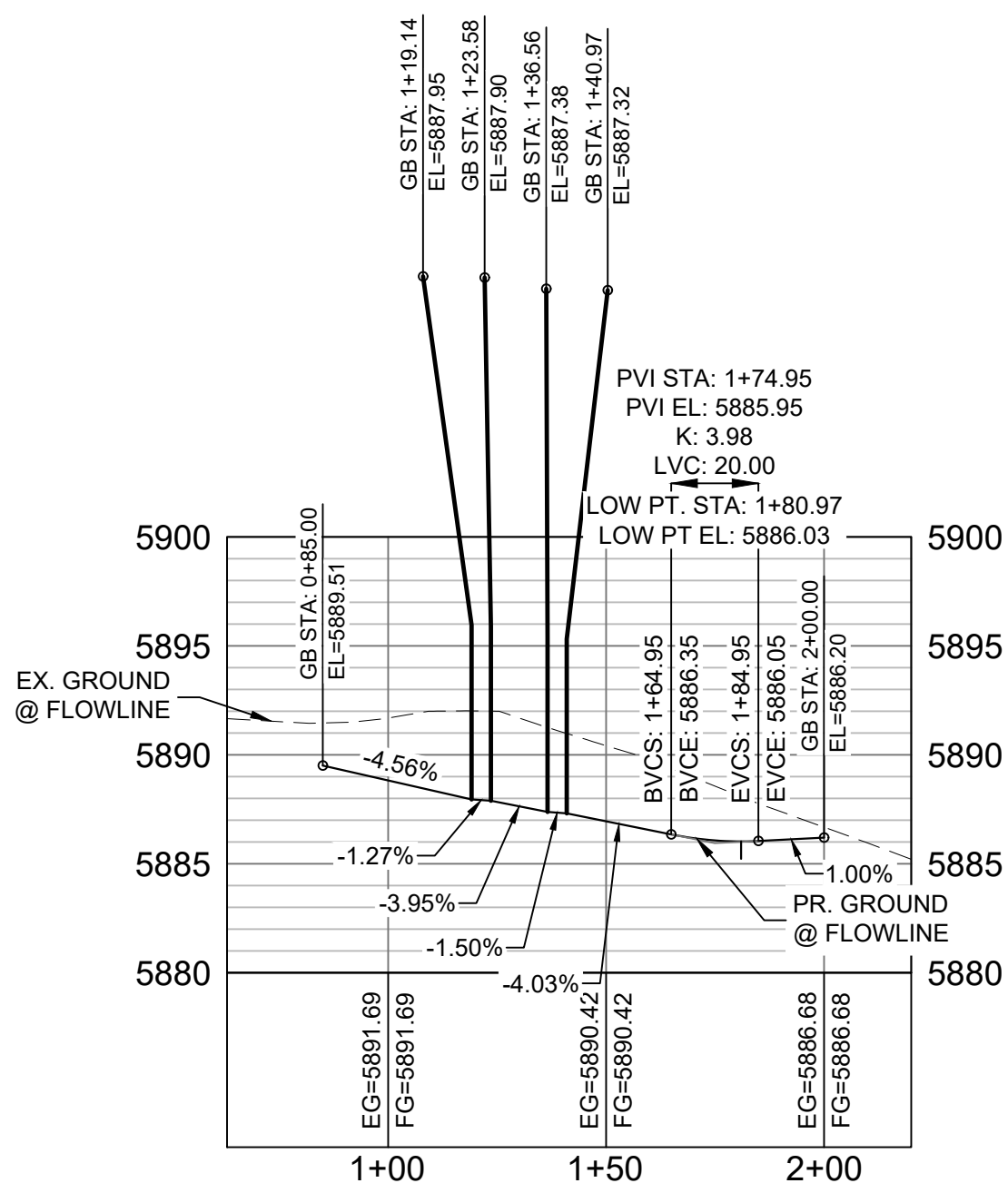
TRAILS AT ASPEN RIDGE
(FUTURE FILINGS)



MOOSE MEADOW NW FLOWLINE

PROFILE

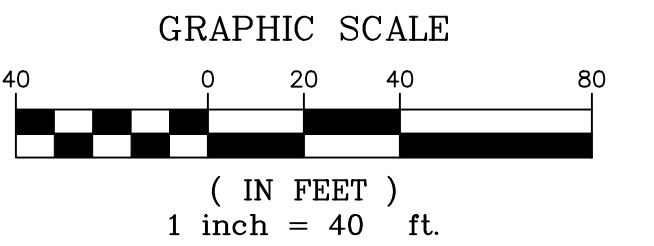
HORIZ: 1" = 40'
VERT: 1" = 8'



MOOSE MEADOW NE FLOWLINE

PROFILE

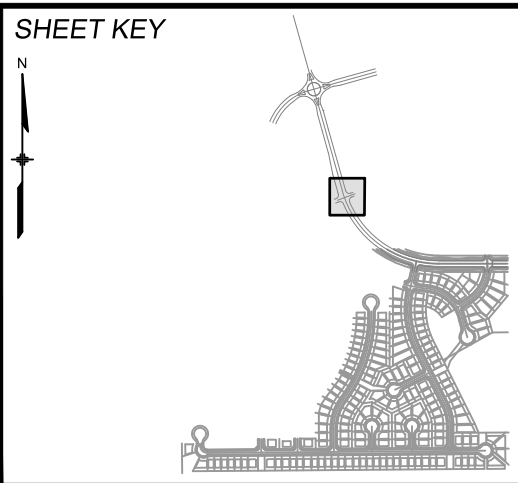
HORIZ: 1" = 40'
VERT: 1" = 8'



LINE TABLE		
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L19	N69°43'14"E	5.52
L21	S15°46'20"E	23.51
L22	N69°45'39"E	50.51

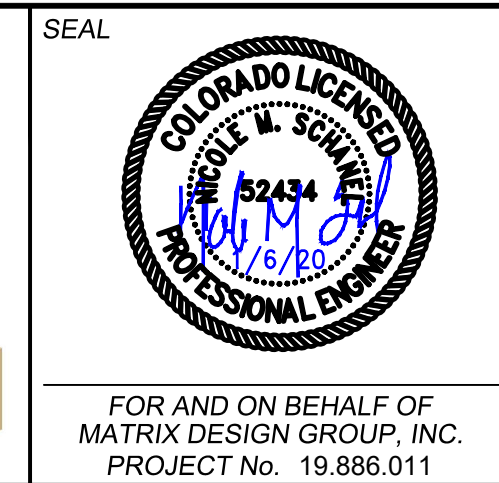
CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	ANGLE
C15	37.80	25.00	86°37'59"
C16	40.98	25.00	93°54'44"

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD01-Legacy Road.dwg			
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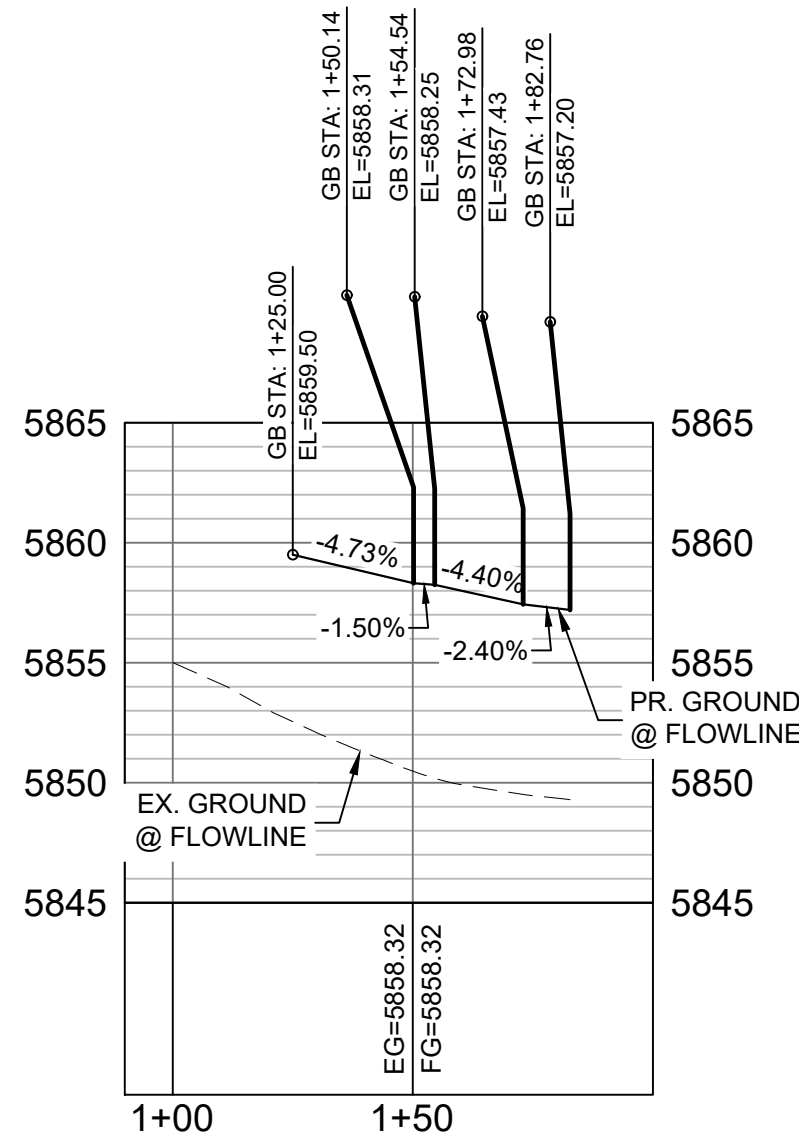
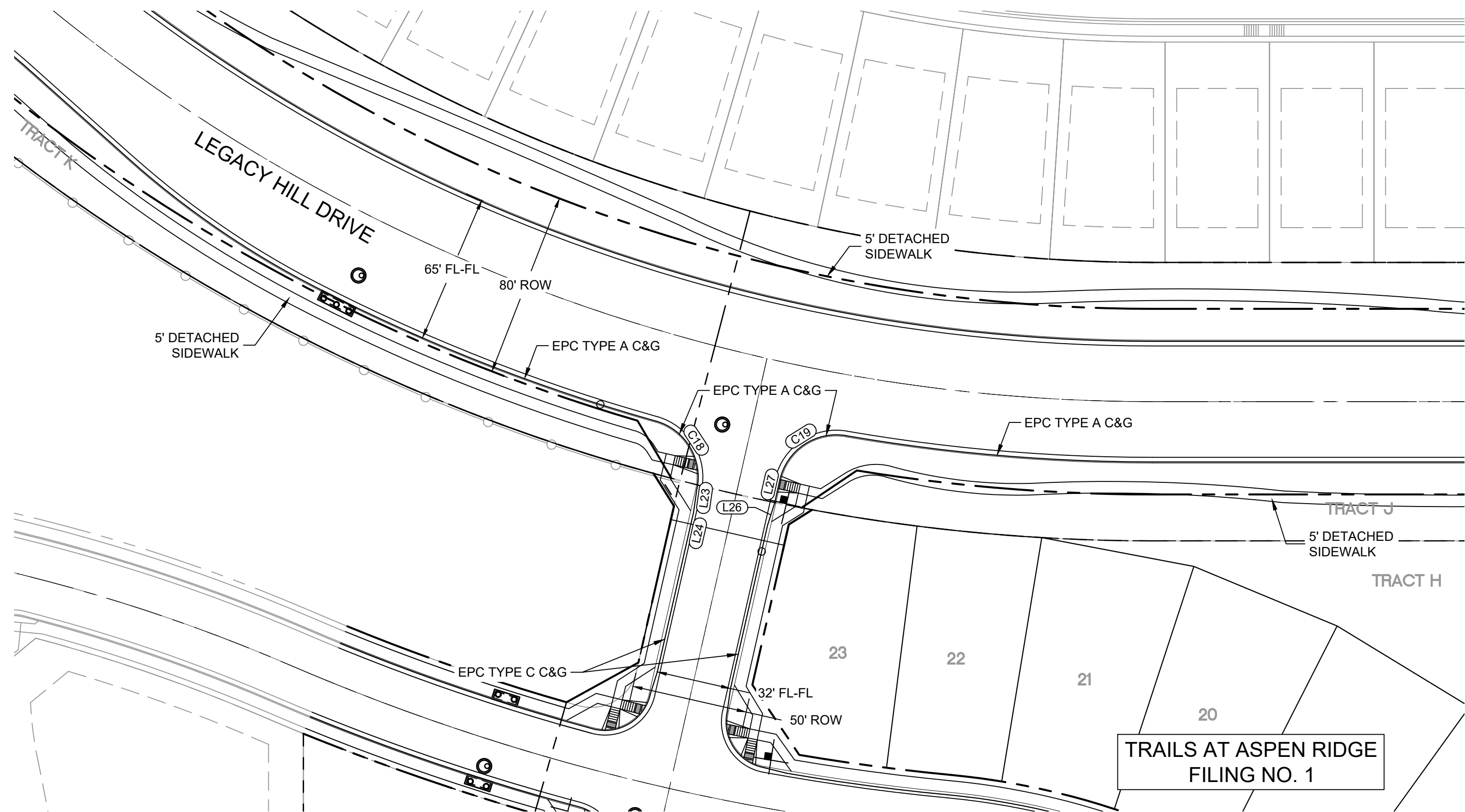


BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.
ELEVATION - 5897.89' U.S. SURVEY FT

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 1/4 CORNER OF SAID SECTION 9 (3 1/2' AULM. CAP PLS 10377)

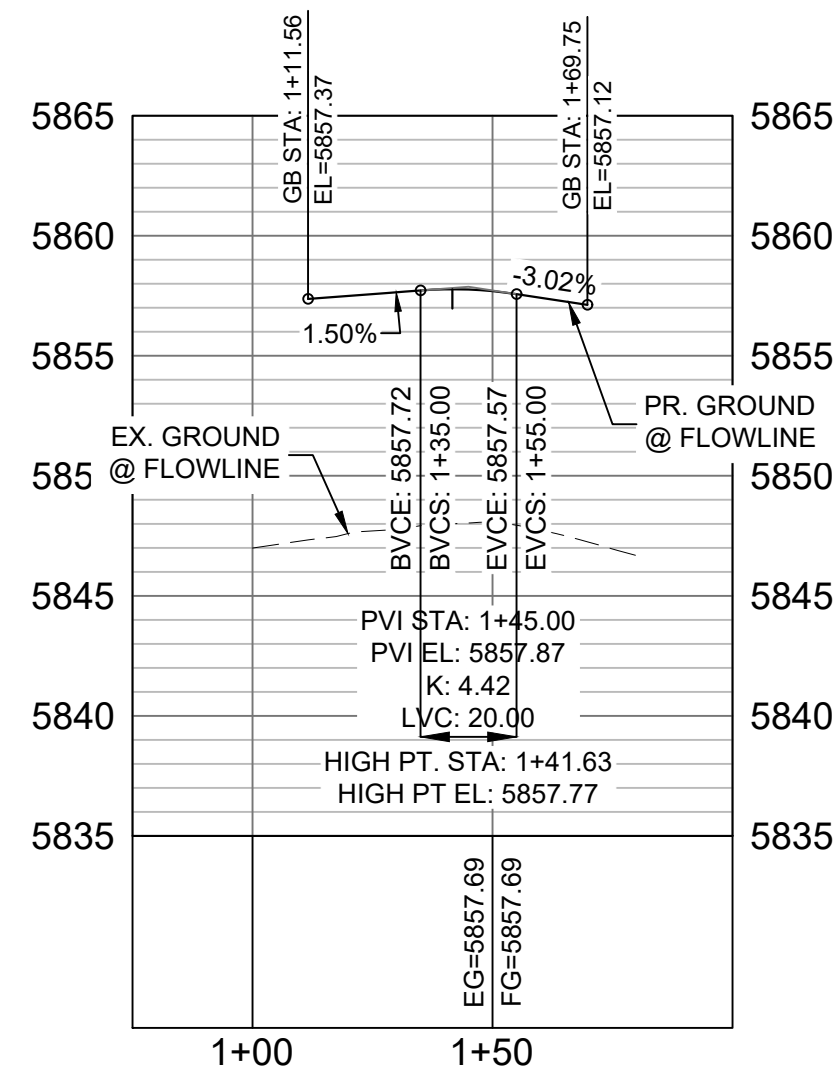


TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
CURB RETURN DETAILS LEGACY HILL DRIVE & MOOSE MEADOW ST			
DESIGNED BY: NMS	SCALE: HORIZ 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RD05-L
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 11 OF 73	



SUNDAY GULCH SW FLOWLINE PROFILE

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

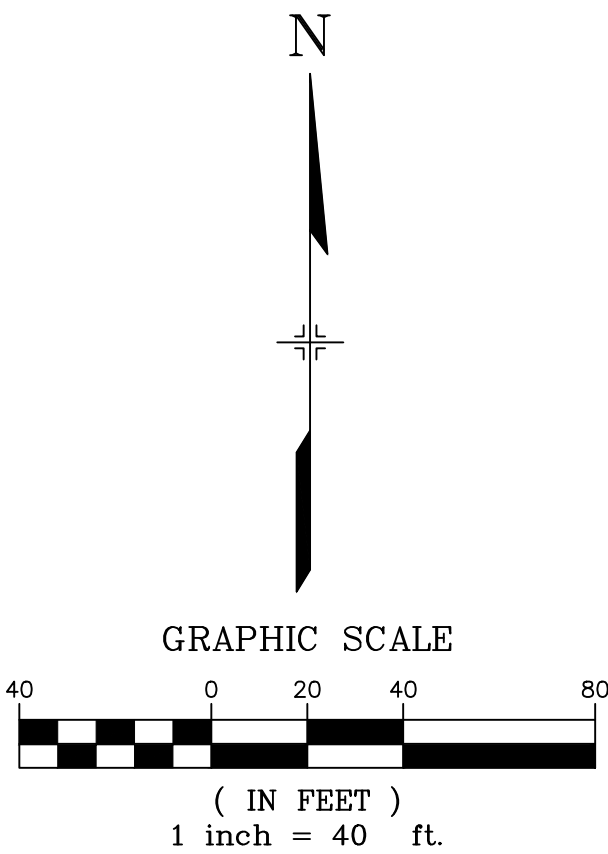


SUNDAY GULCH SE FLOWLINE PROFILE

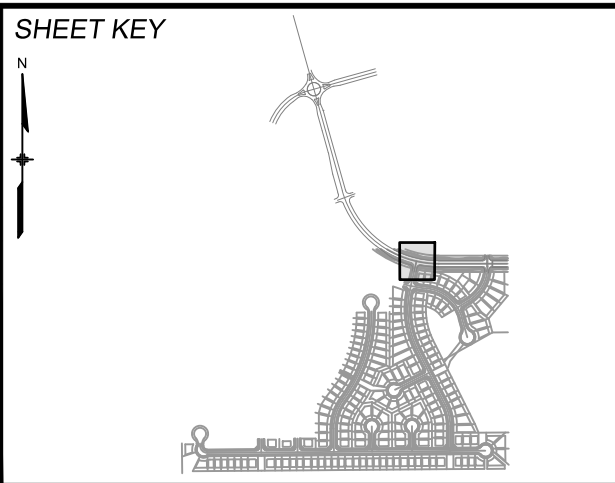
HORIZ: 1" = 40'
VERT: 1" = 8'

LINE TABLE		
LINE #	BEARING	DISTANCE
L23	S08°00'56"W	10.00
L24	S12°47'44"W	9.78
L26	N17°34'33"E	10.00
L27	N12°47'44"E	10.23

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	ANGLE
C18	37.98	25.00	87°02'20"
C19	37.96	25.00	86°59'40"



REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD01-Legacy Road.dwg			
CTB FILE: ----			
PLOT DATE: January 23, 2020 11:16:18 AM			
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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

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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 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)

PREPARED BY:

Matrix
DESIGN GROUP

SEAL

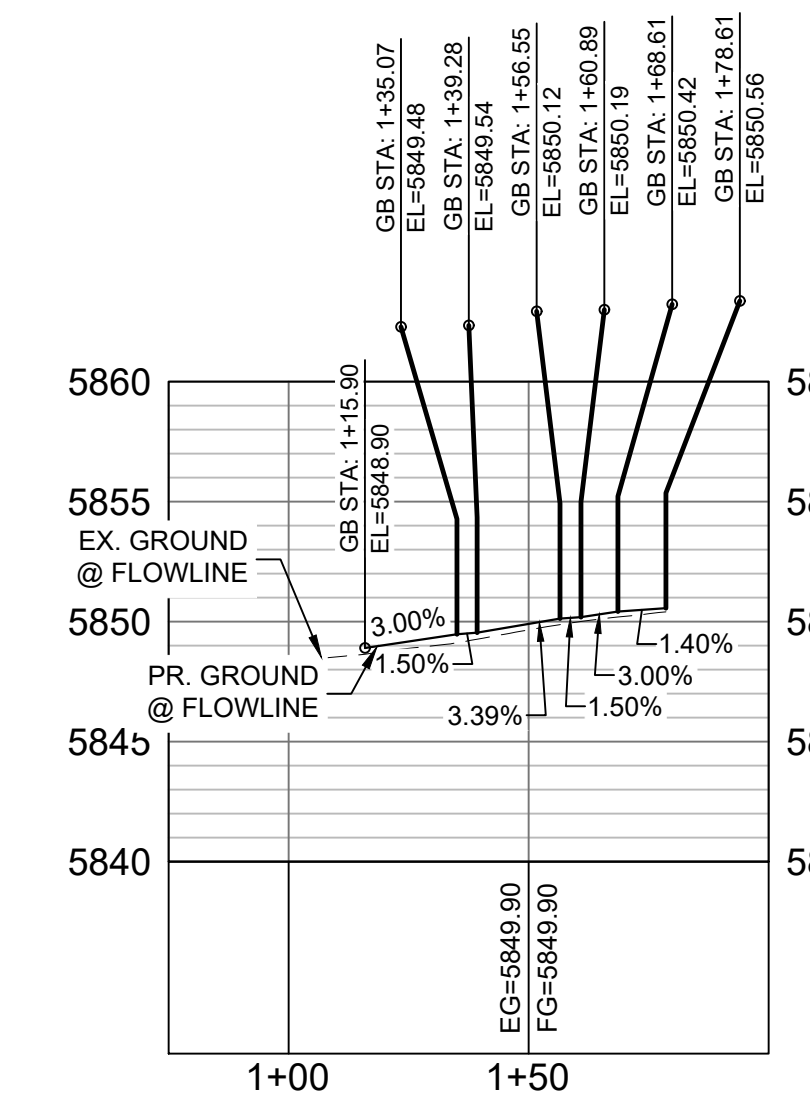
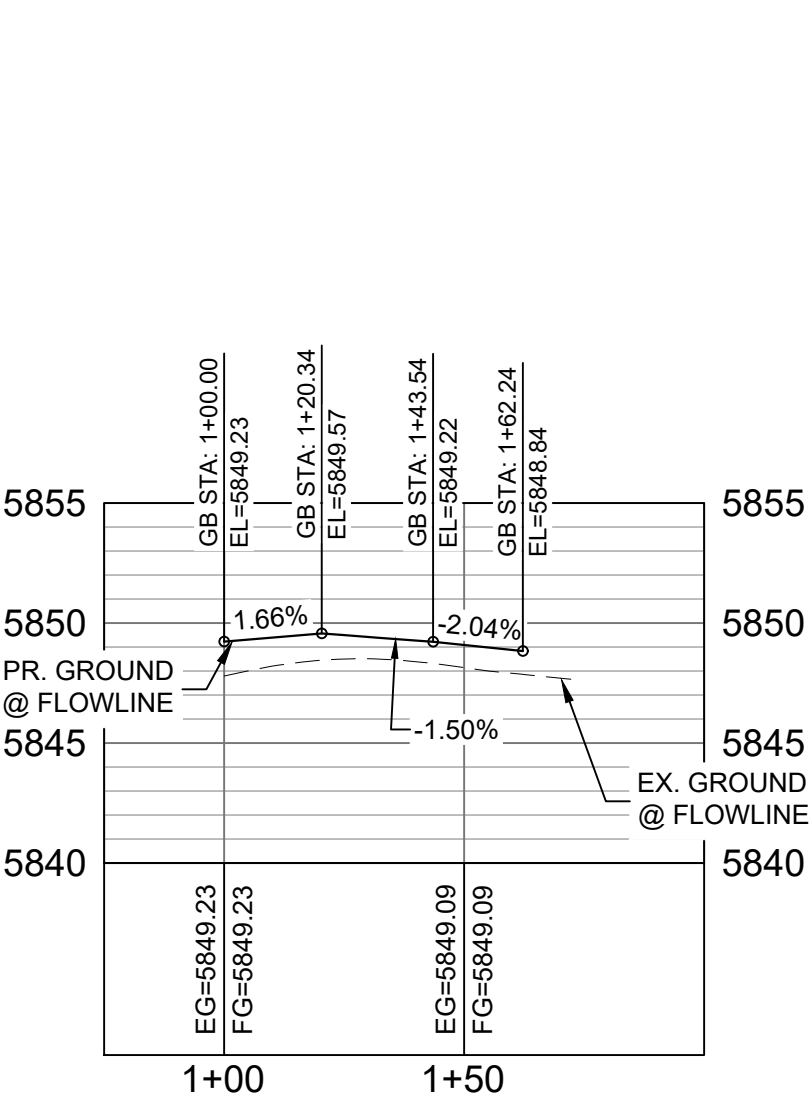
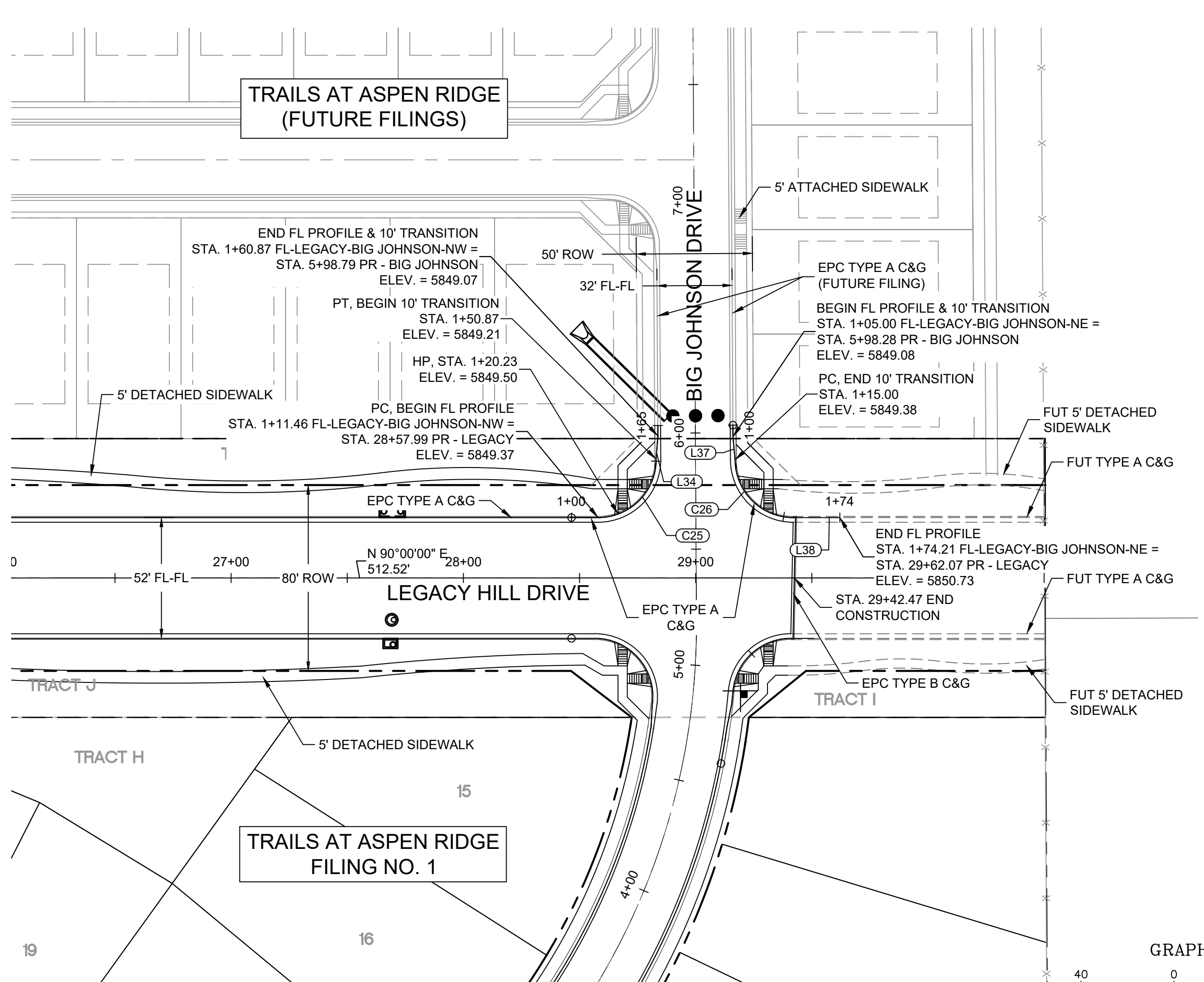
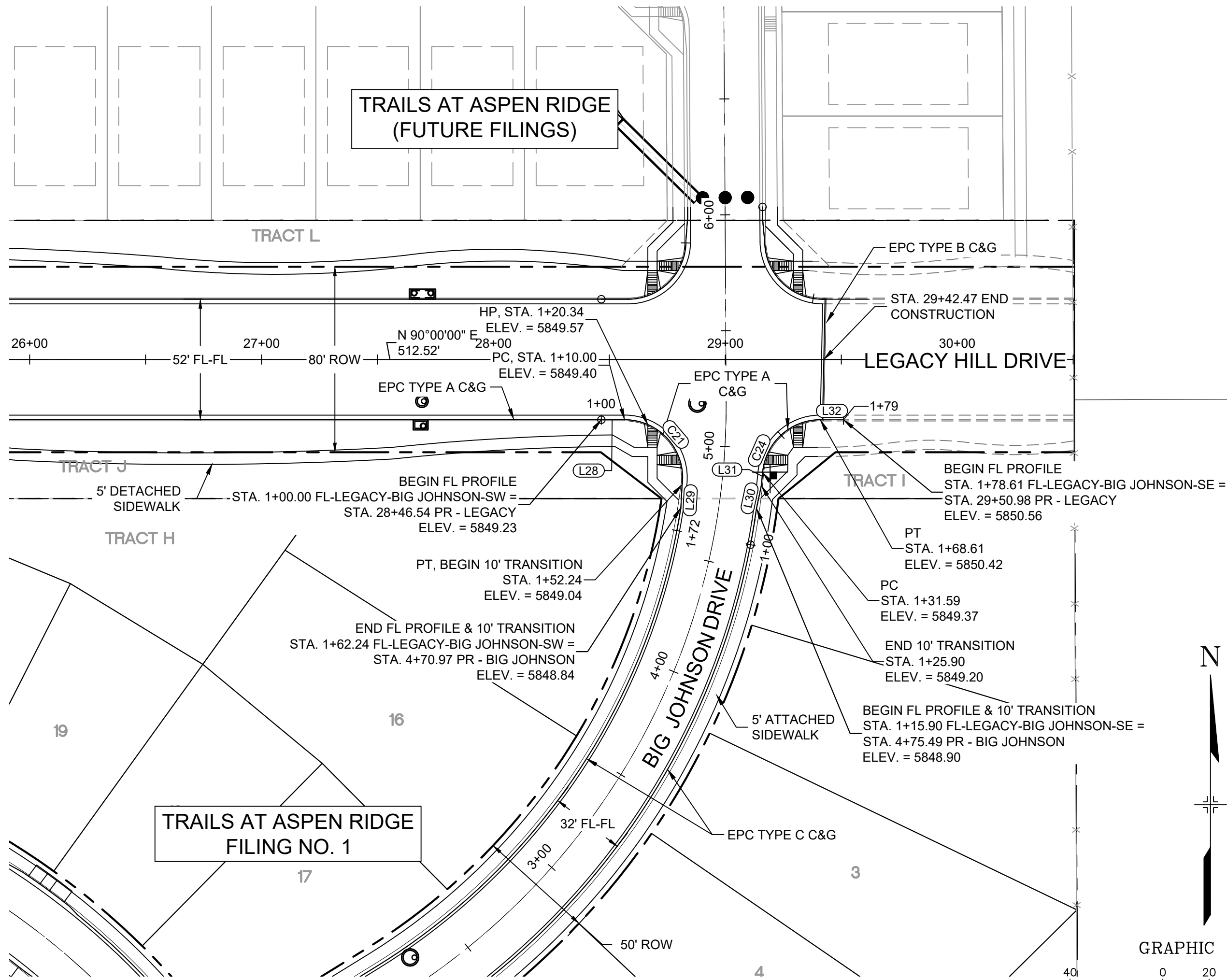
COLORADO LICENSED
ROBERT W. SCHWAB
#52434
10/16/20
PROFESSIONAL ENGINEER

FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
CURB RETURN DETAILS LEGACY HILL DRIVE & SUNDAY GULCH DRIVE			
DESIGNED BY: NMS	SCALE: HORIZ 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RD06-L
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 12 OF 73	

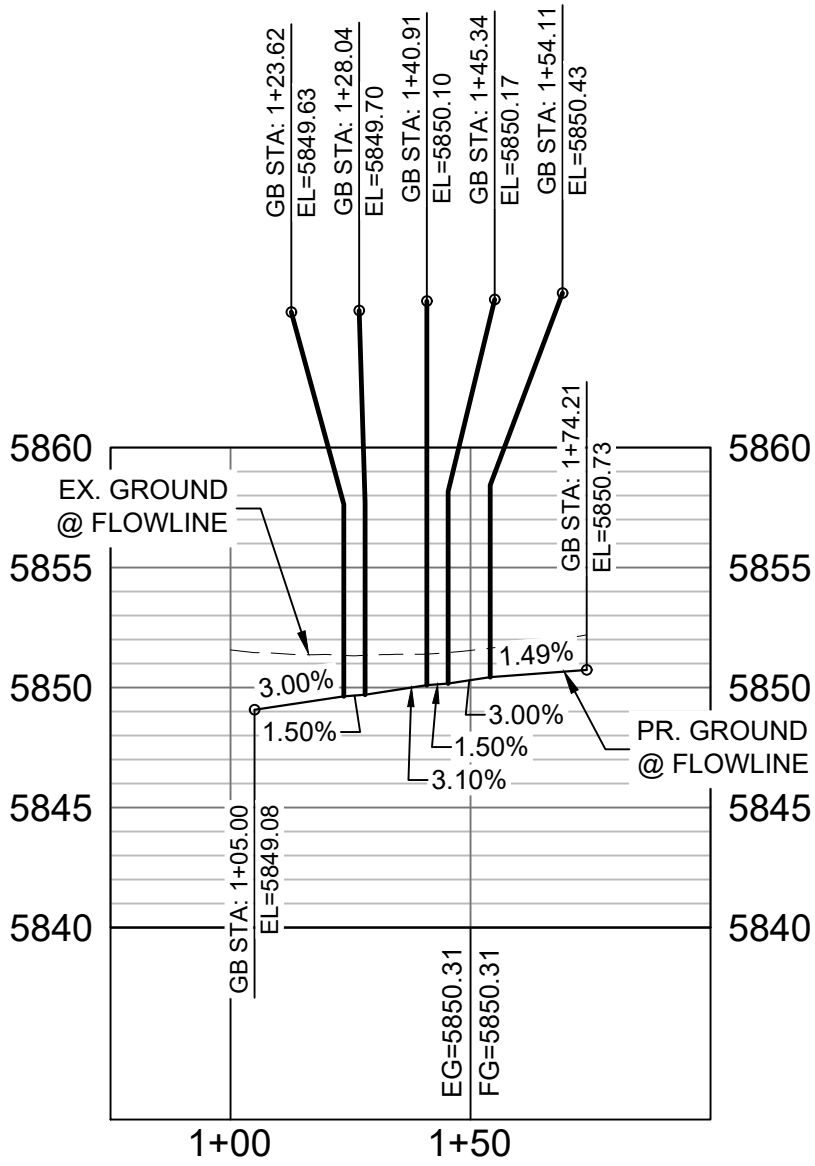
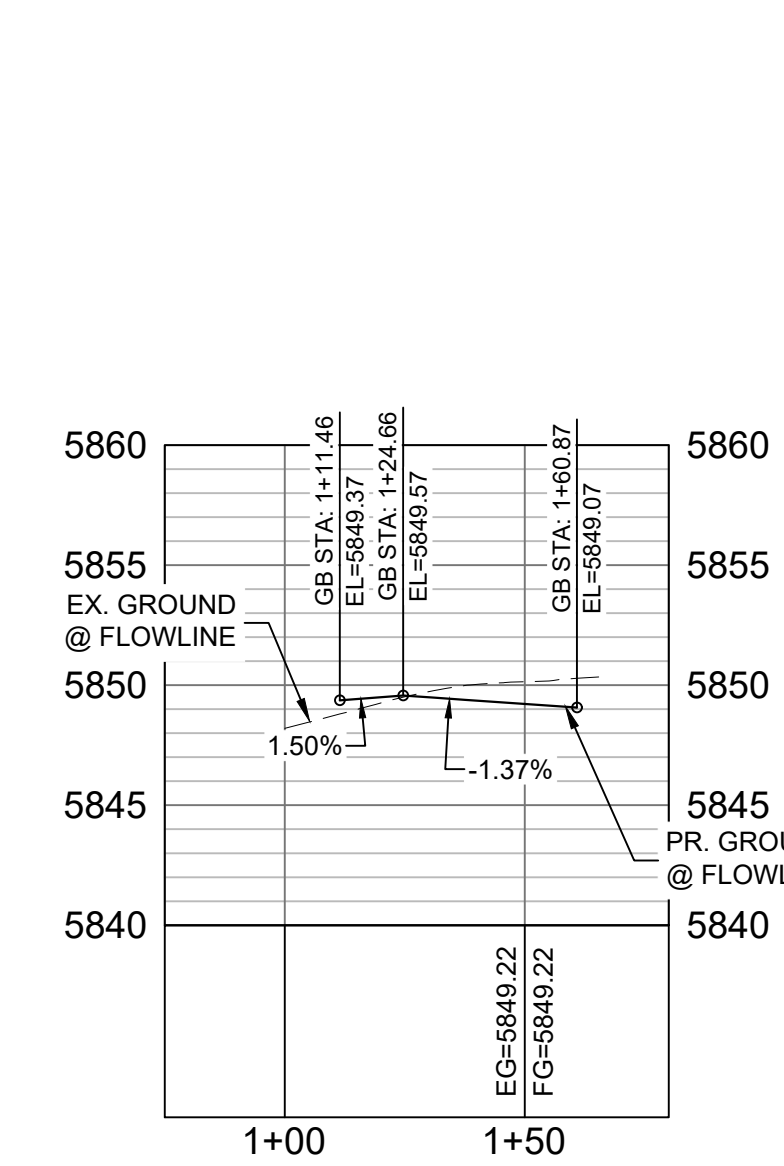


Know what's below.
Call before you dig.



LINE TABLE		
LINE #	BEARING	DISTANCE
L28	N90°00'00"E	10.00
L29	S03°07'44"W	10.00
L30	N11°49'49"E	10.00
L31	N05°39'16"E	5.68
L32	N90°00'00"E	10.00

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	ANGLE
C21	42.24	25.00	96°48'18"
C24	37.03	25.00	84°51'32"



LINE TABLE		
LINE #	BEARING	DISTANCE
L34	N04°17'19"E	10.00
L37	S05°13'42"E	10.00
L38	N90°00'00"E	20.10

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	ANGLE
C25	39.41	25.00	90°19'32"
C26	39.11	25.00	89°38'00"

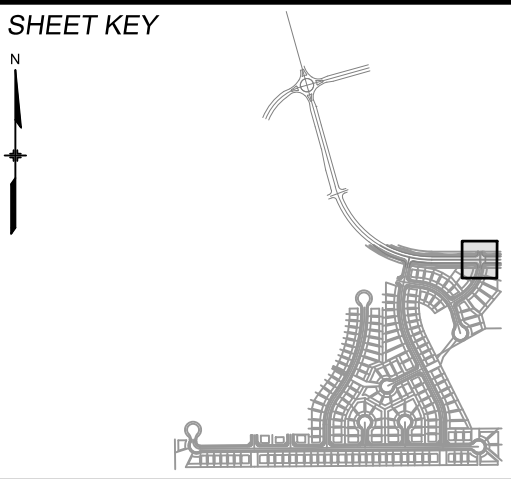
BIG JOHNSON SW FLOWLINE PROFILE
HORIZ: 1" = 40'
VERT: 1" = 8'

BIG JOHNSON SE FLOWLINE PROFILE
HORIZ: 1" = 40'
VERT: 1" = 8'

BIG JOHNSON NW FLOWLINE PROFILE
HORIZ: 1" = 40'
VERT: 1" = 8'

BIG JOHNSON NE FLOWLINE PROFILE
HORIZ: 1" = 40'
VERT: 1" = 8'

REFERENCE DRAWINGS			
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COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD01-Legacy Road.dwg			
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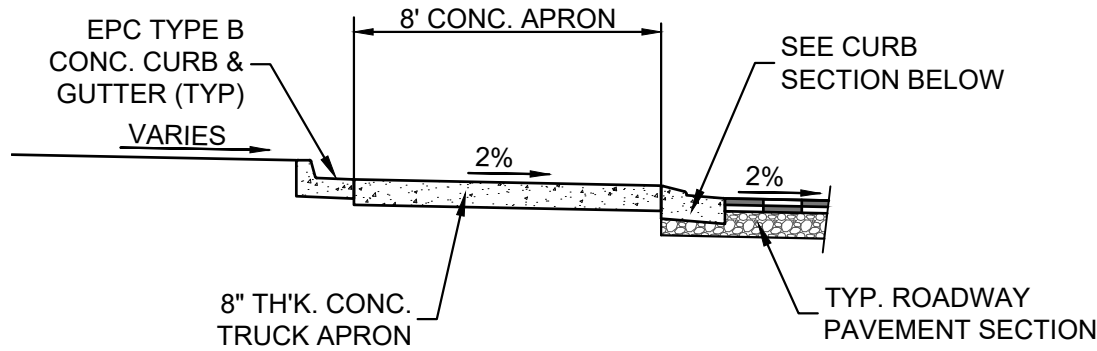
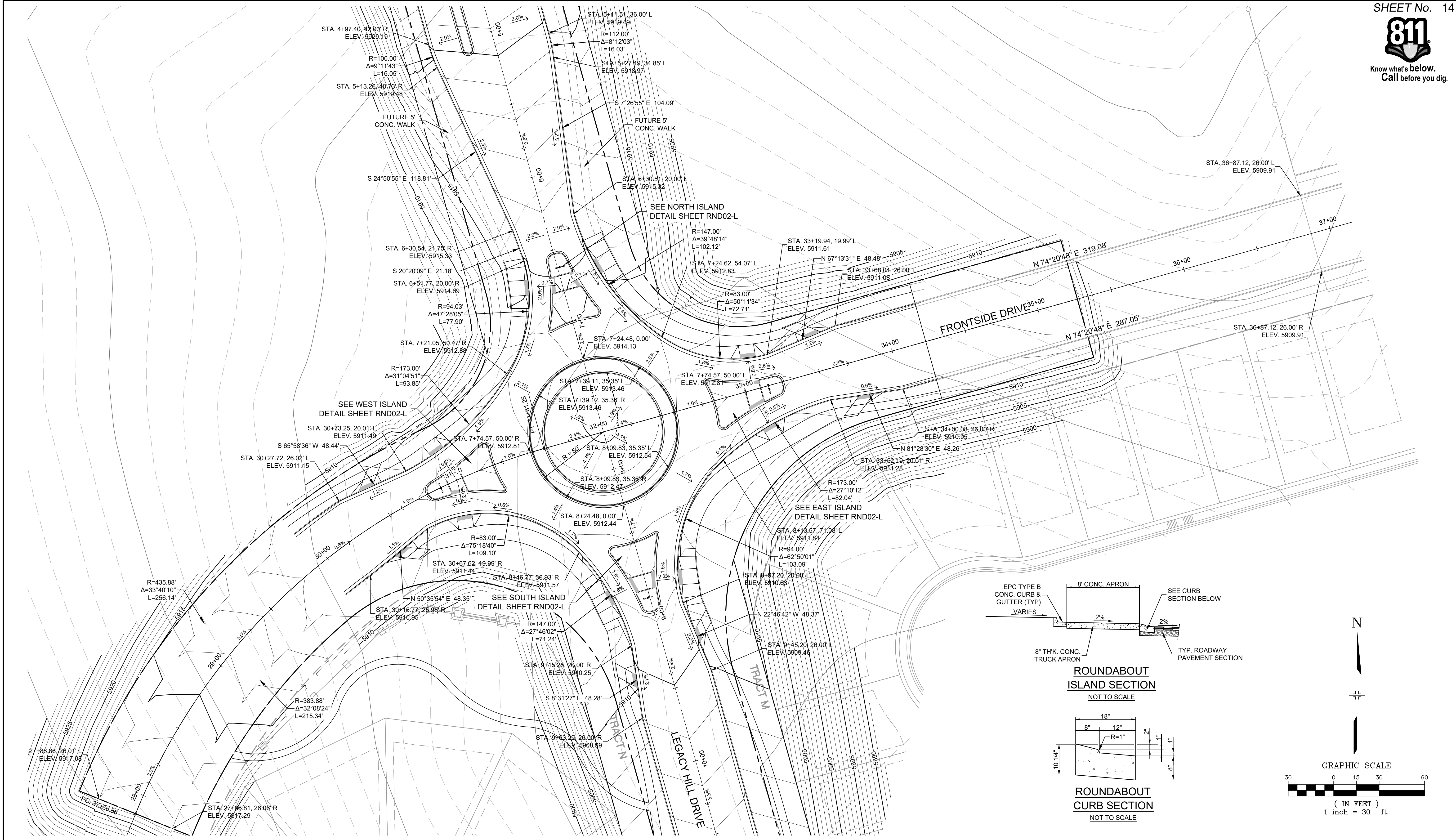


BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
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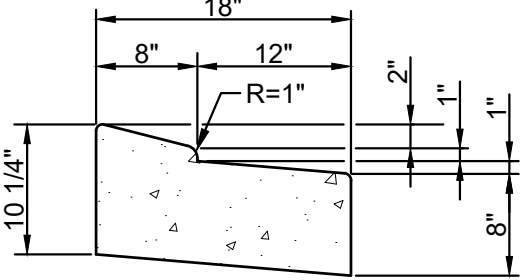
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)



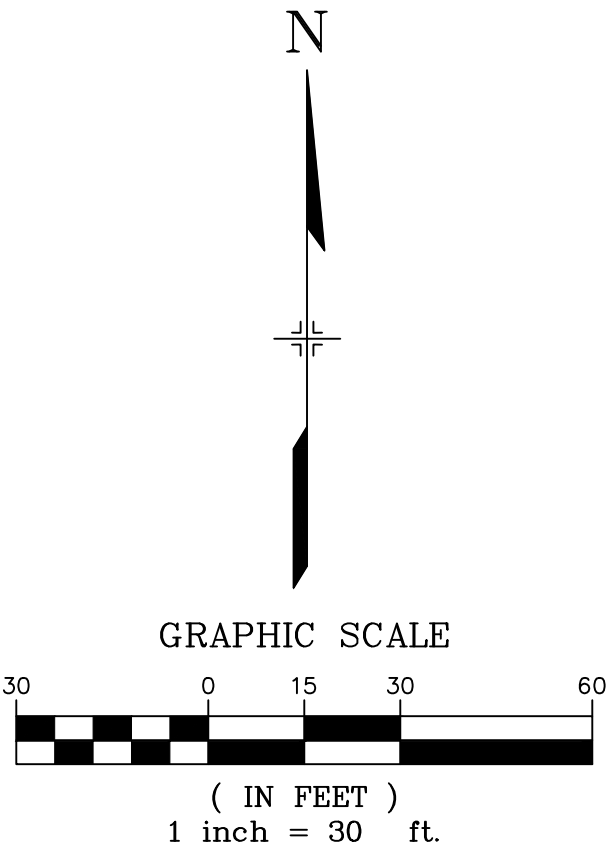
TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
CURB RETURN DETAIL LEGACY HILL DRIVE & BIG JOHNSON DRIVE			
DESIGNED BY: NMS	SCALE: HORIZ 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RD07-L
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 13 OF 73	



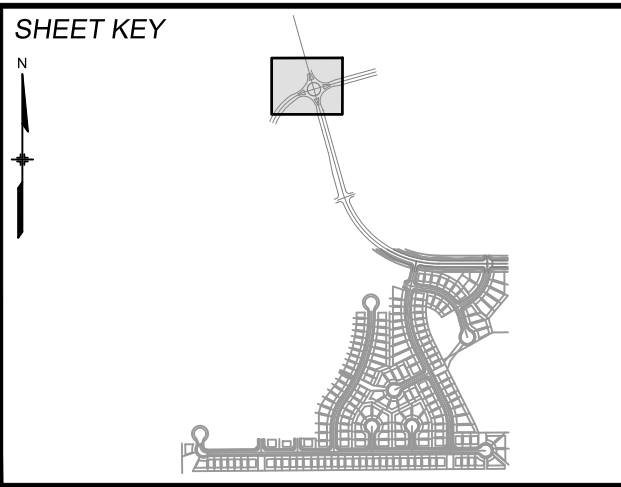
ROUNDABOUT
ISLAND SECTION
NOT TO SCALE



ROUNDABOUT
CURB SECTION
NOT TO SCALE



REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RND-01.dwg			
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THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

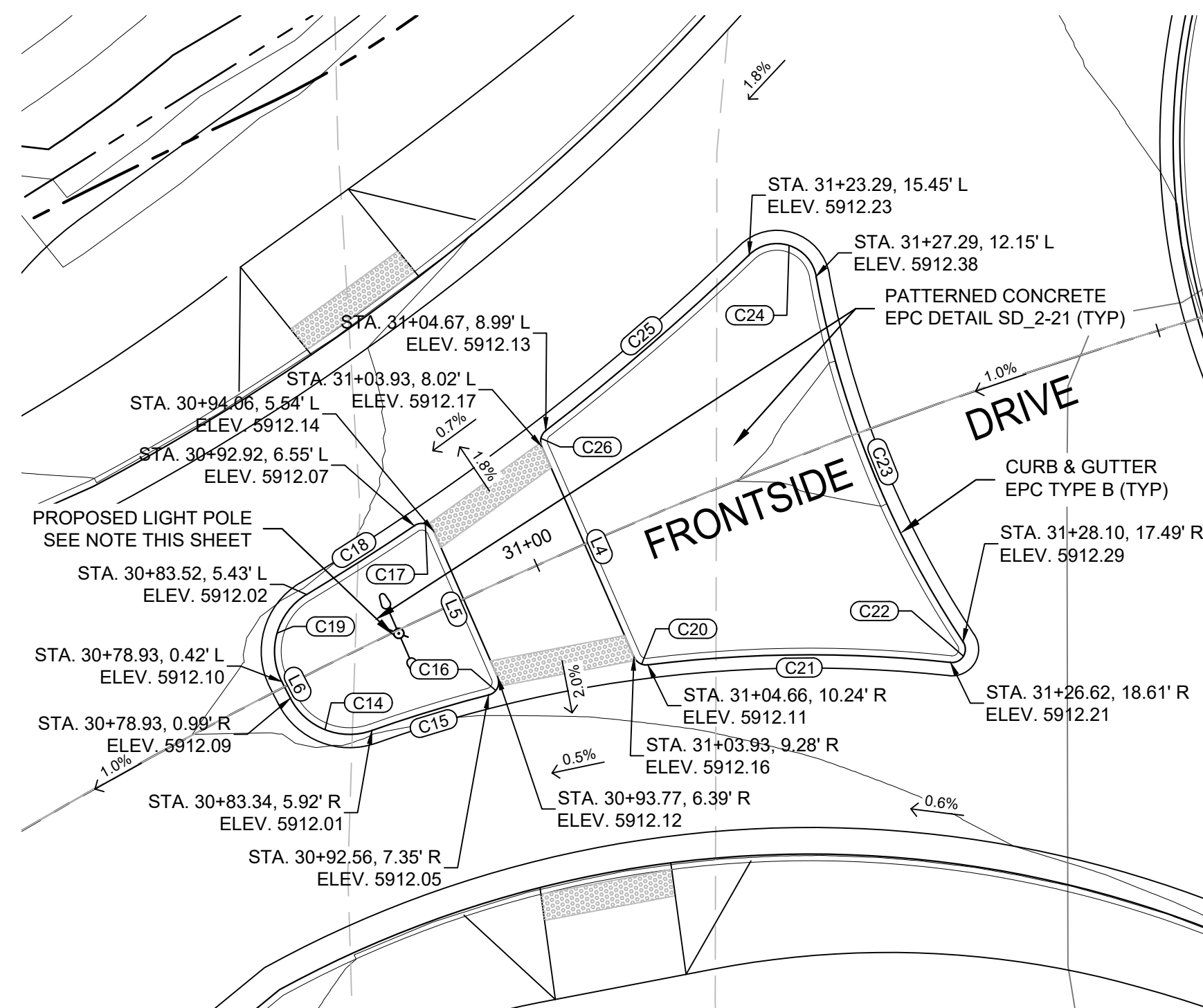
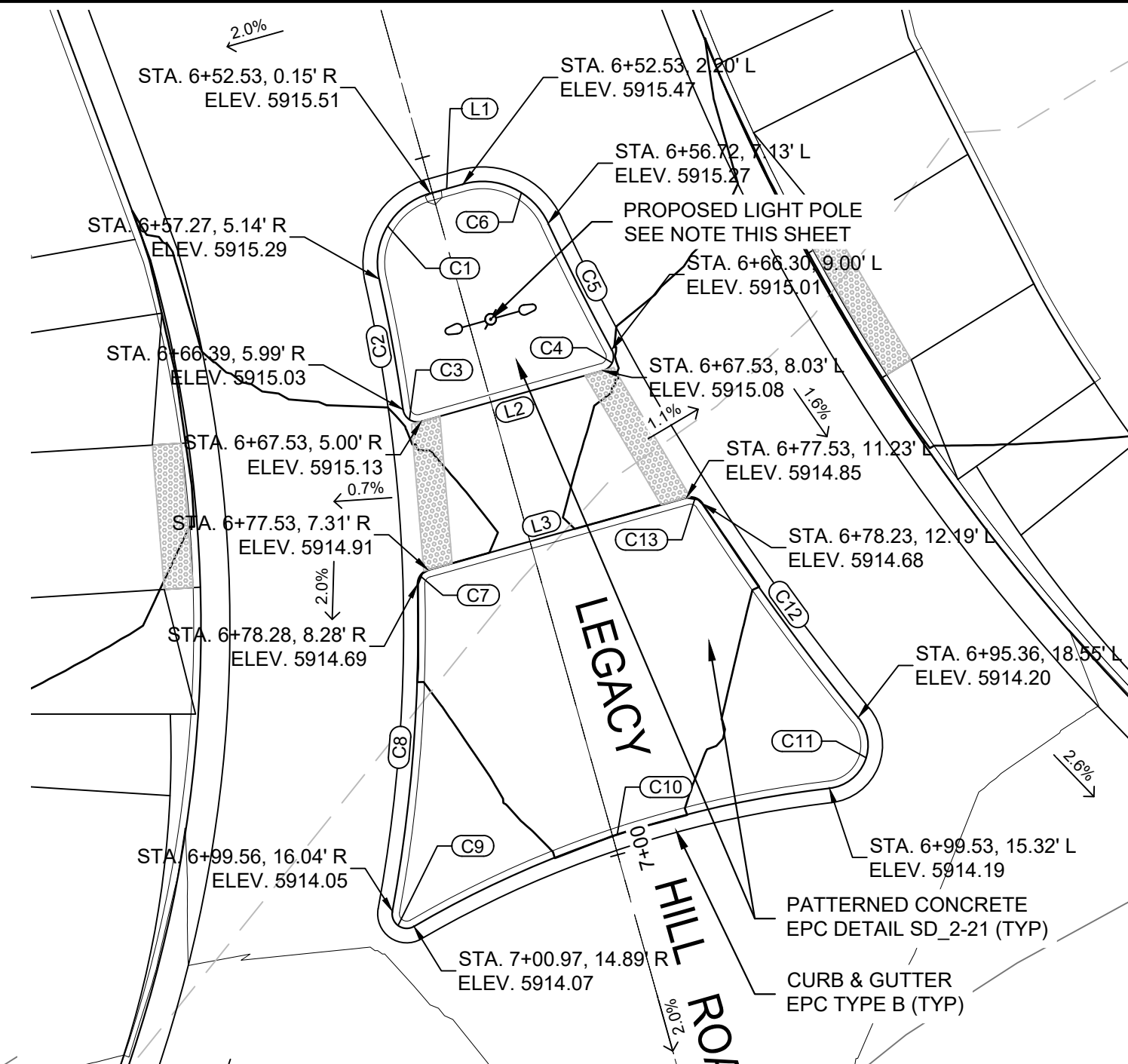
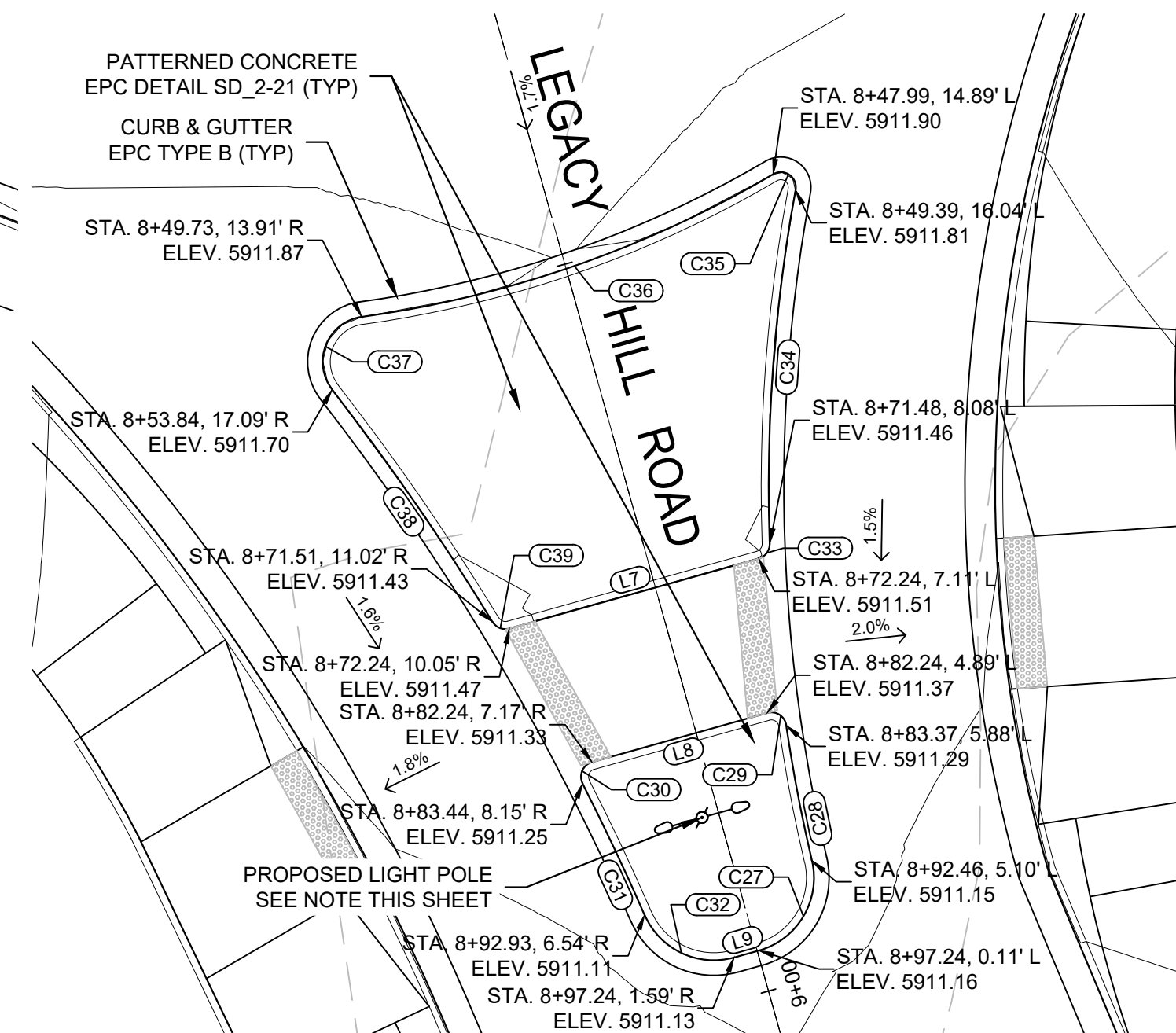
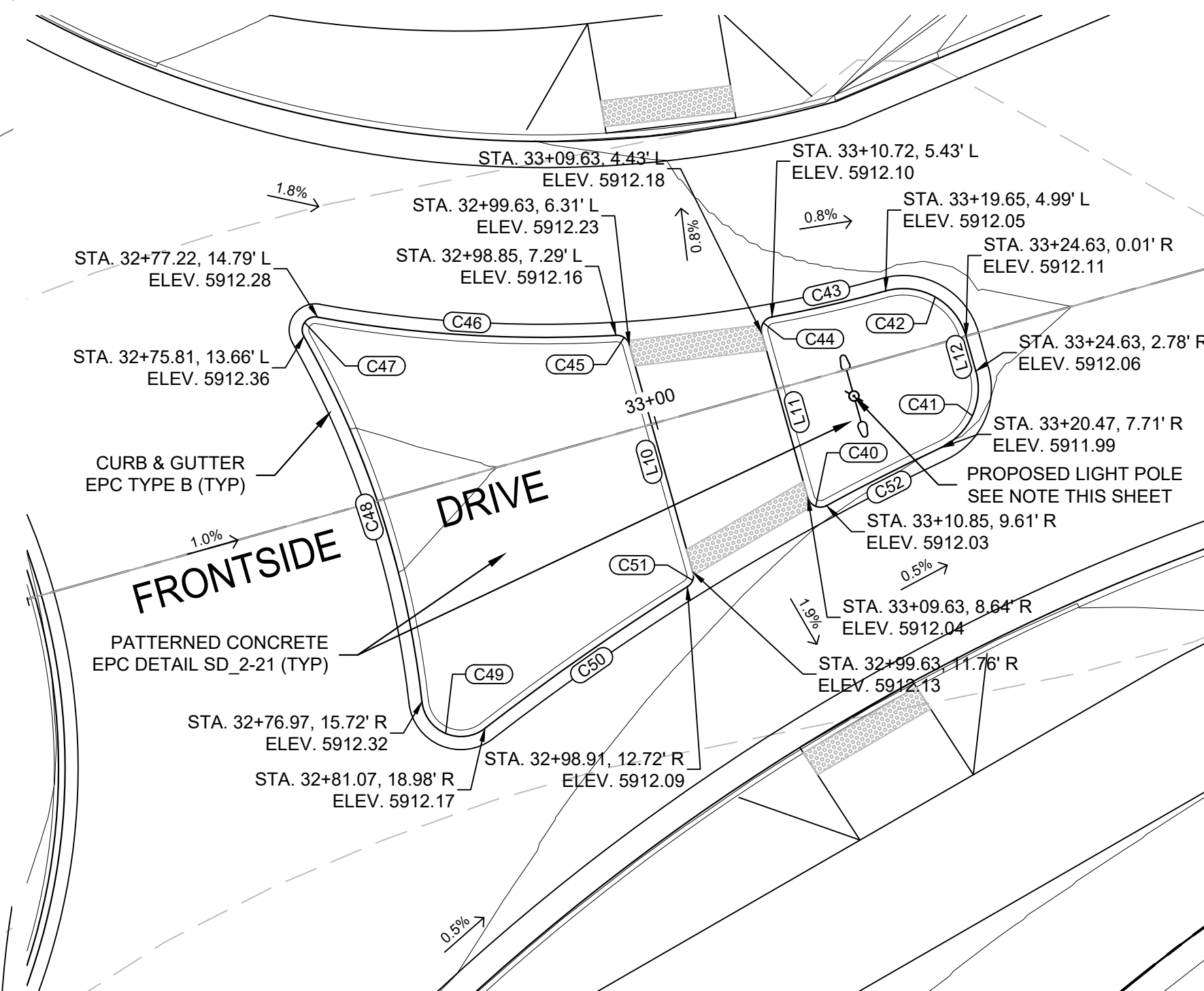


BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
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TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
LEGACY HILL ROUNDABOUT DETAILS			
DESIGNED BY: NMS	SCALE: HORIZ 1" = 30'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RND01-L
CHECKED BY: NMS	VERT. N/A	SHEET 14 OF 73	

Know what's below.
Call before you dig.WEST ISLAND
SCALE: 1" = 10'NORTH ISLAND
SCALE: 1" = 10'SOUTH ISLAND
SCALE: 1" = 10'EAST ISLAND
SCALE: 1" = 10'

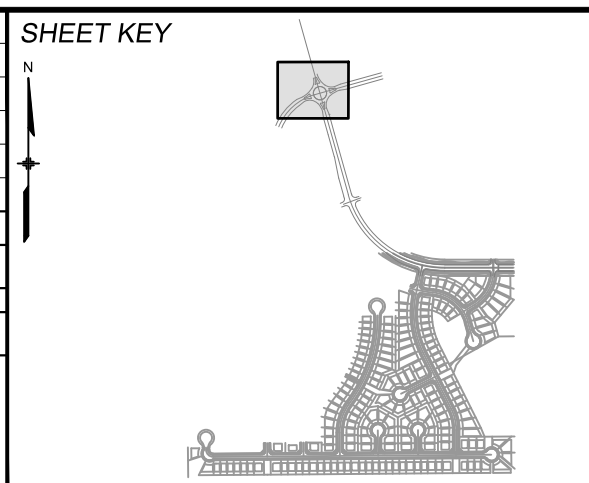
NOTE:
LIGHT POLE LOCATIONS ARE SHOWN FOR
REFERENCE ONLY. REFER TO ELECTRICAL PLANS
BY SEPARATE CONSULTANT FOR FINAL DESIGN.

LINE TABLE		
LINE #	BEARING	DISTANCE
L1	N74°20'48"E	2.35
L2	S74°20'48"W	13.02
L3	N74°20'48"E	18.54
L4	S23°39'26"E	17.30
L5	N23°39'26"W	11.94
L6	S27°09'08"E	1.40
L7	N74°20'48"E	17.16
L8	S74°20'48"W	12.06
L9	N74°20'48"E	1.70
L10	N15°38'59"W	18.07
L11	S15°38'59"E	13.07
L12	N15°38'59"W	2.77

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	ANGLE
C1	7.60	5.00	87°05'53"
C2	9.16	109.03	4°48'51"
C3	1.71	1.00	97°42'58"
C4	1.79	1.00	102°45'48"
C5	9.77	162.00	3°27'19"
C6	7.04	5.00	80°41'31"
C7	1.33	1.00	75°55'01"
C8	22.69	109.03	11°55'30"
C9	2.28	1.00	130°36'46"
C10	30.46	73.50	23°44'45"
C11	6.43	3.00	122°44'16"
C12	18.28	162.00	6°27'59"
C13	1.27	1.00	72°52'11"
C14	7.20	5.00	82°29'29"
C15	9.19	98.00	5°22'18"
C16	1.73	1.00	99°23'07"
C17	1.75	1.00	100°23'21"
C18	9.61	188.00	2°55'40"
C19	7.51	5.00	86°02'01"
C20	1.28	1.00	73°29'02"
C21	22.83	98.00	13°20'43"
C22	2.26	1.00	129°44'29"
C23	29.85	73.50	23°16'15"
C24	6.48	3.00	123°40'20"
C25	20.24	188.00	6°10'08"
C26	1.32	1.00	75°53'16"
C27	7.64	5.00	87°30'27"
C28	9.13	109.00	4°47'50"
C29	1.70	1.00	97°17'23"
C30	1.77	1.00	101°19'29"

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	ANGLE
C31	9.63	162.00	3°24'20"
C32	7.16	5.00	82°04'52"
C33	1.33	1.00	76°21'02"
C34	23.53	109.00	12°21'57"
C35	2.28	1.00	130°47'23"
C36	29.04	73.50	22°38'09"
C37	6.29	3.00	120°08'25"
C38	18.70	162.00	6°36'54"
C39	1.30	1.00	74°20'11"
C40	1.79	1.00	102°42'15"
C41	7.01	5.00	80°17'10"
C42	7.84	5.00	89°49'41"
C43	8.93	98.00	5°13'25"
C44	1.66	1.00	95°23'44"
C45	1.35	1.00	77°34'12"
C46	22.94	98.00	13°24'48"
C47	2.26	1.00	129°38'27"
C48	29.60	73.50	23°04'20"
C49	6.36	3.00	121°30'16"
C50	18.92	188.00	5°45'59"
C51	1.28	1.00	73°32'11"
C52	9.81	188.00	2°59'25"

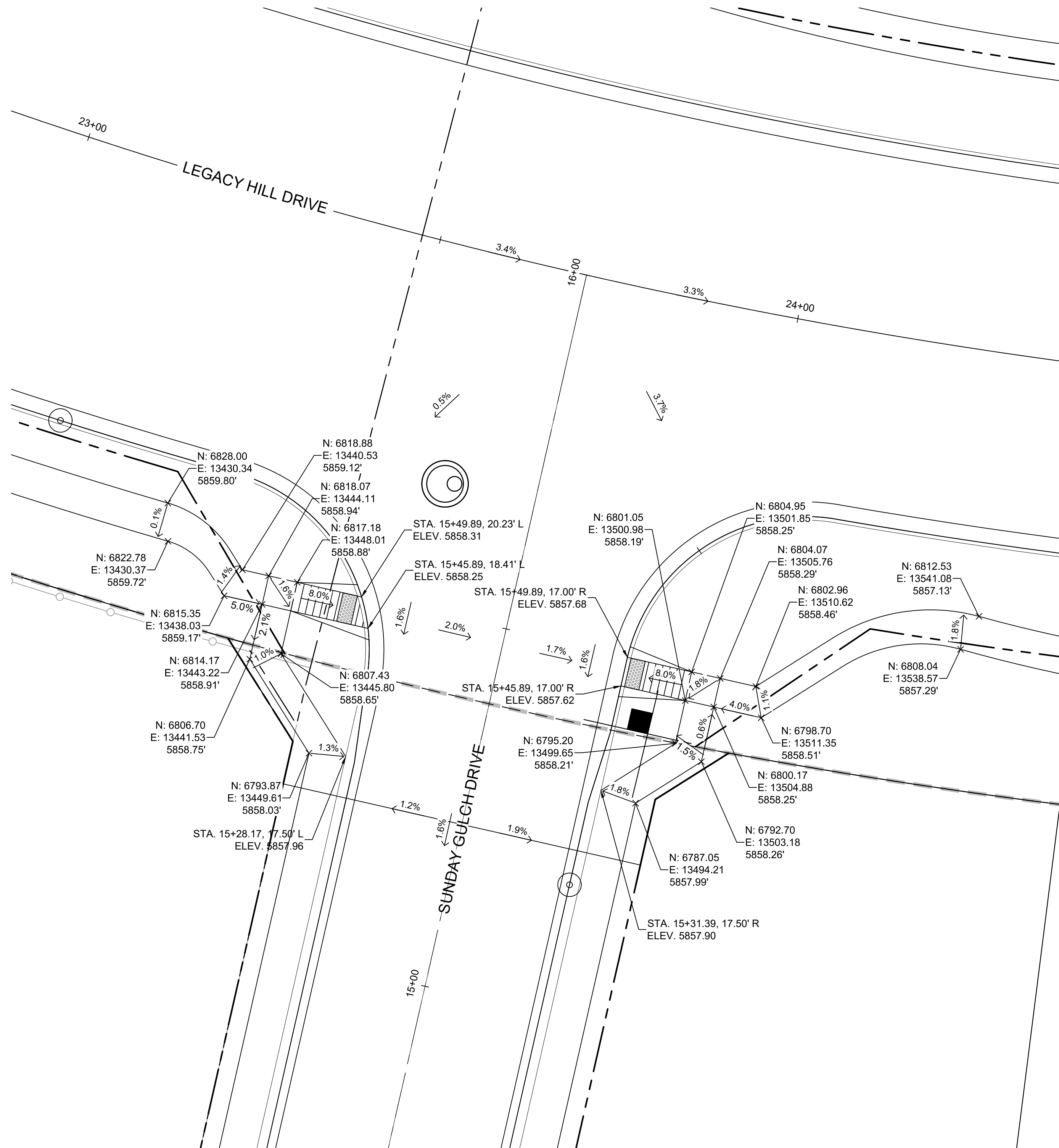
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No.	DATE	DESCRIPTION	BY
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FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RND-01.dwg			
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PLOT DATE: January 23, 2020 11:18:28 AM			
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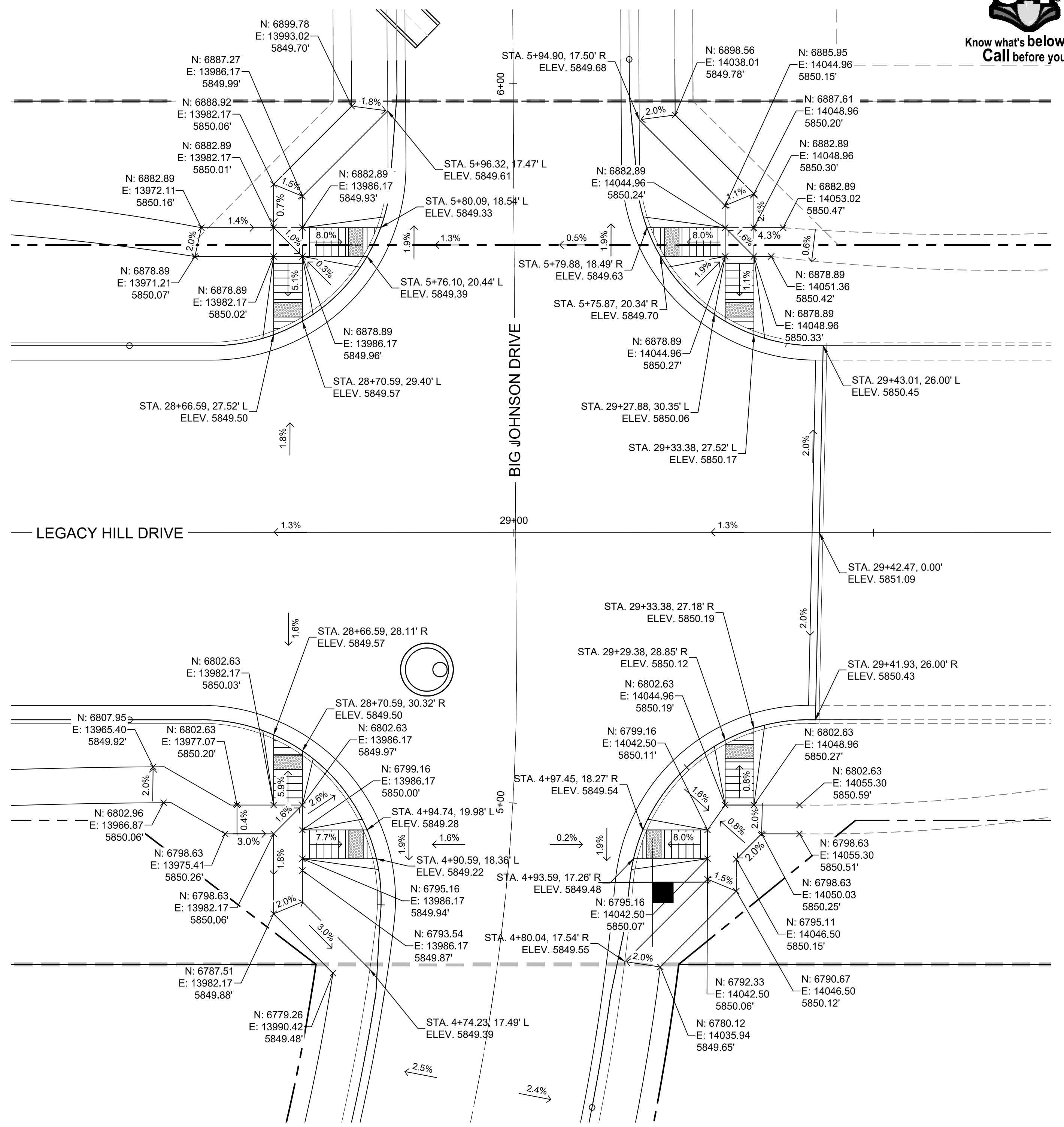
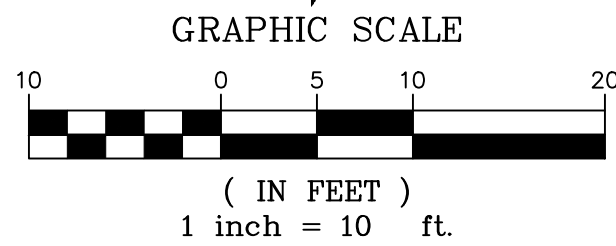
BENCHMARK	
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206 A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD. ELEVATION - 5897.89' U.S. SURVEY FT	
BASIS OF BEARING	
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TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
LEGACY HILL ROUNDABOUT DETAILS			
DESIGNED BY: NMS	SCALE: 1" = 30'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RND02-L
DRAWN BY: TJC	HORIZ: N/A	SHEET 14A OF 73	
CHECKED BY: NMS	VERT: N/A		

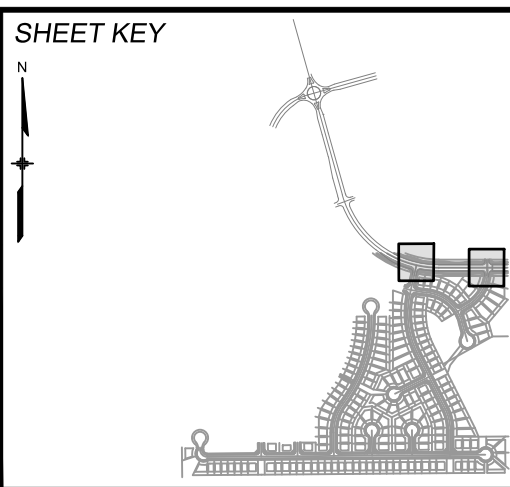


DETAIL A
LEGACY HILL DRIVE/
SUNDAY GULCH DRIVE
PED RAMP DETAILS



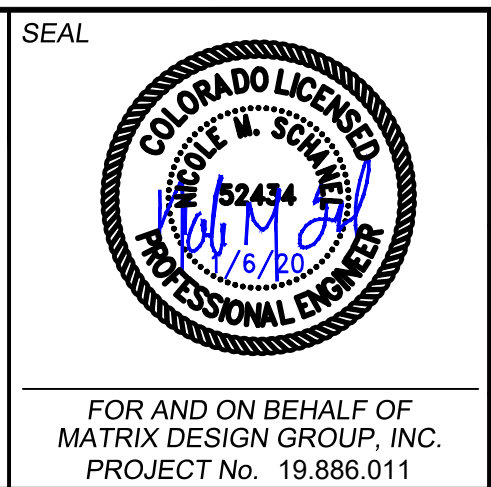
DETAIL B
LEGACY HILL DRIVE/
BIG JOHNSON DRIVE
PED RAMP DETAILS

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD01-Legacy Road.dwg			
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PLOT DATE: January 23, 2020 11:20:08 AM			
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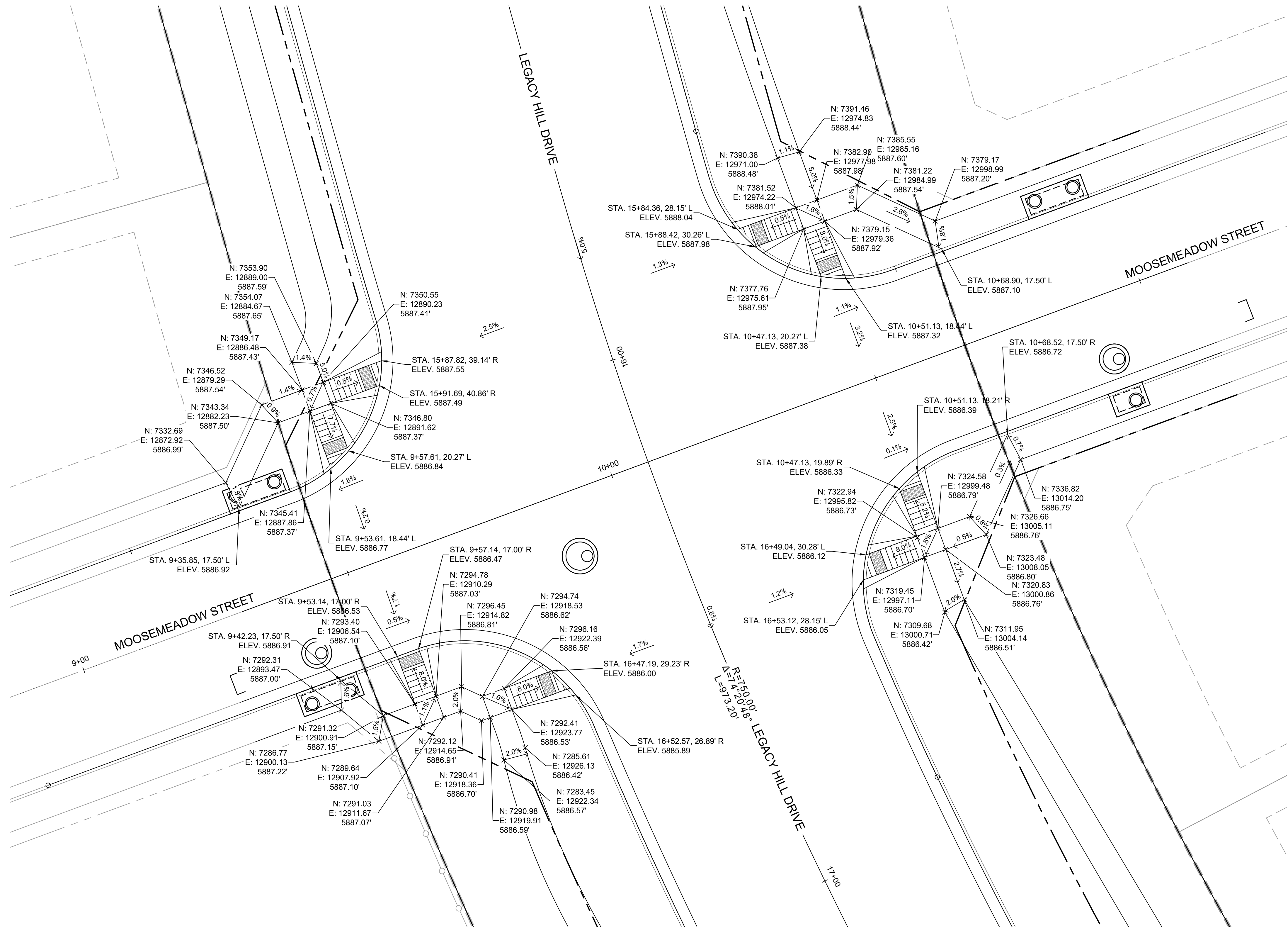


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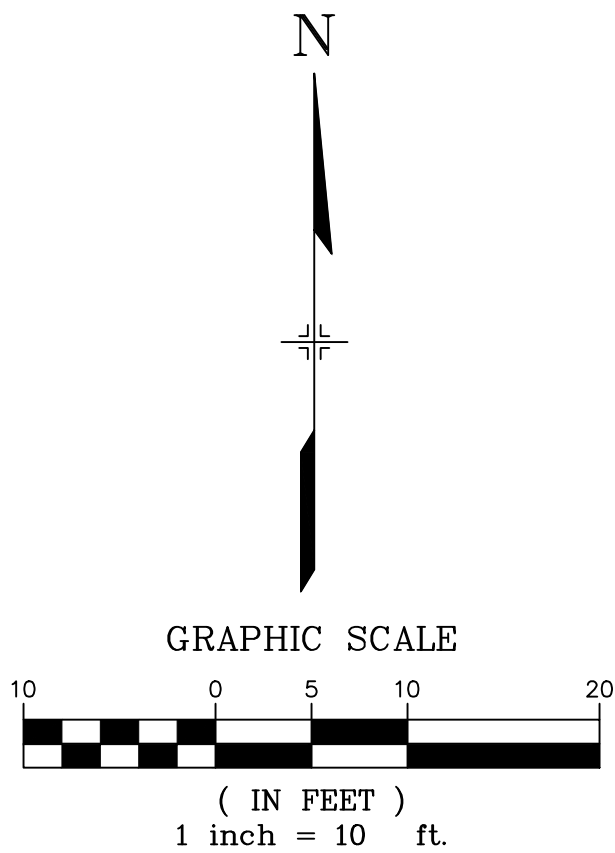
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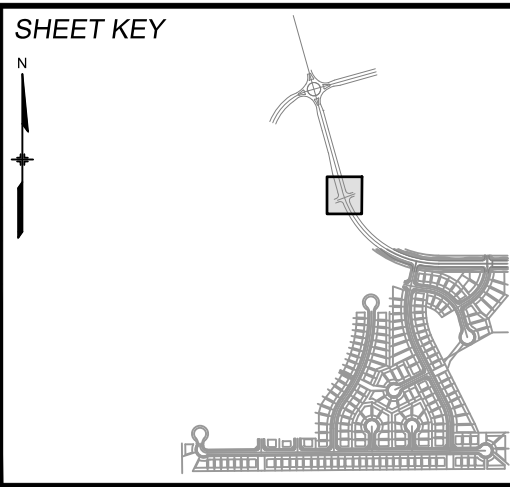
TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
INTERSECTION DETAIL SUNDAY GULCH DRIVE/BIG JOHNSON DRIVE			
DESIGNED BY: NMS	SCALE: 1" = 10'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. INT01-L
DRAWN BY: AAL	HORIZ: N/A	SHEET 15 OF 73	
CHECKED BY: NMS	VERT: N/A		



DETAIL C
LEGACY HILL DRIVE/
MOOSEMEADOW STREET
PED RAMP DETAILS



REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD01-Legacy Road.dwg			
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PLOT DATE: January 23, 2020 11:20:13 AM			
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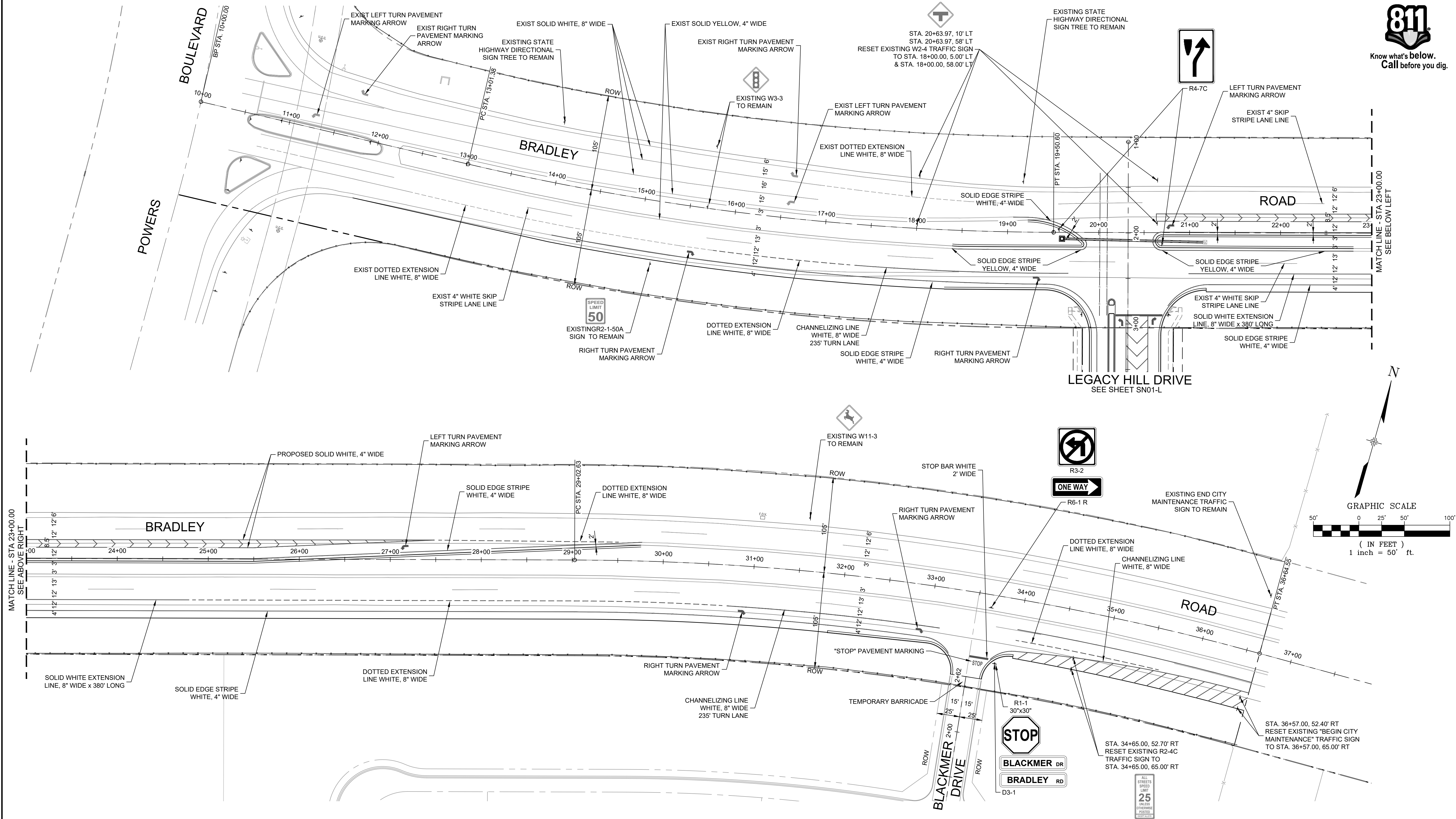


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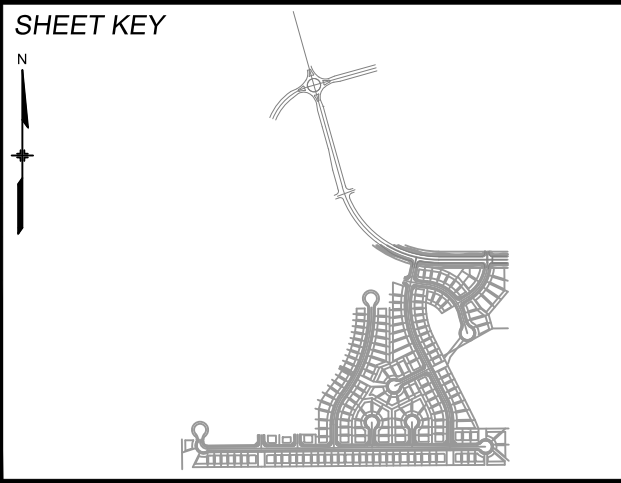
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INTERSECTION DETAIL MOOSEMEADOW STREET			
DESIGNED BY: NMS	SCALE: 1" = 10'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. INT02-L
CHECKED BY: NMS	VERT. N/A	SHEET 16 OF 73	



REFERENCE DRAWINGS			
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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

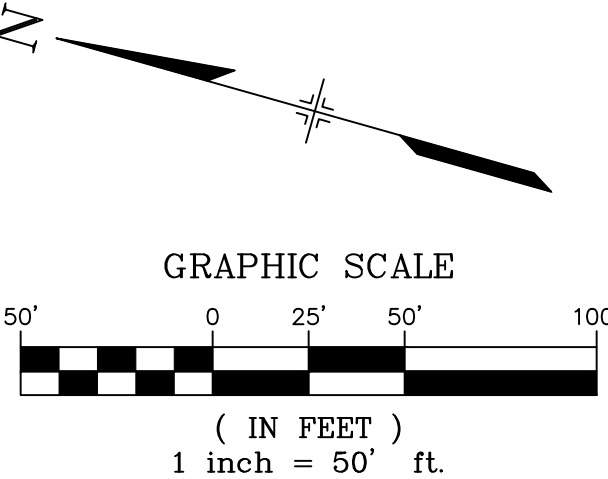
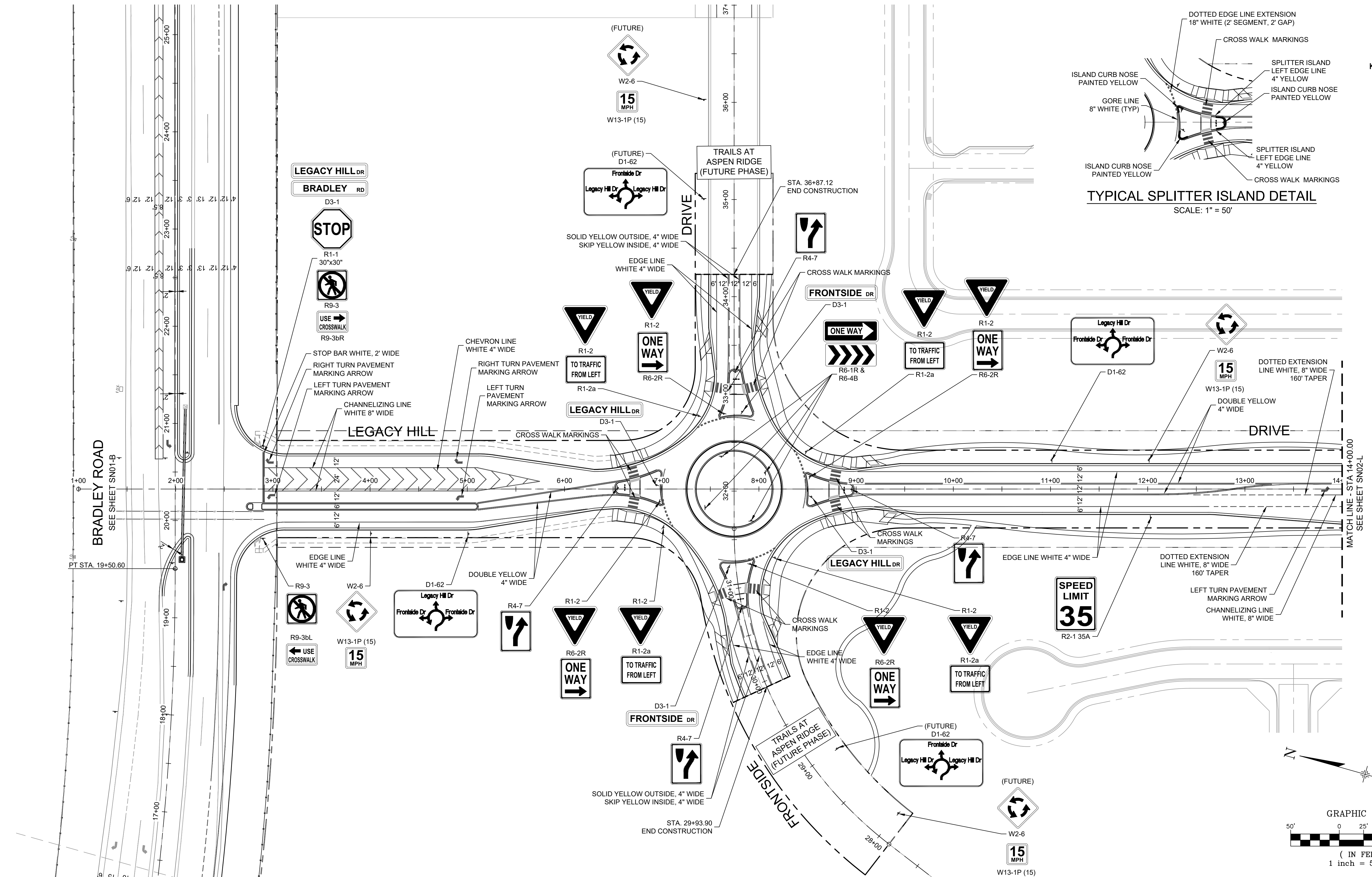
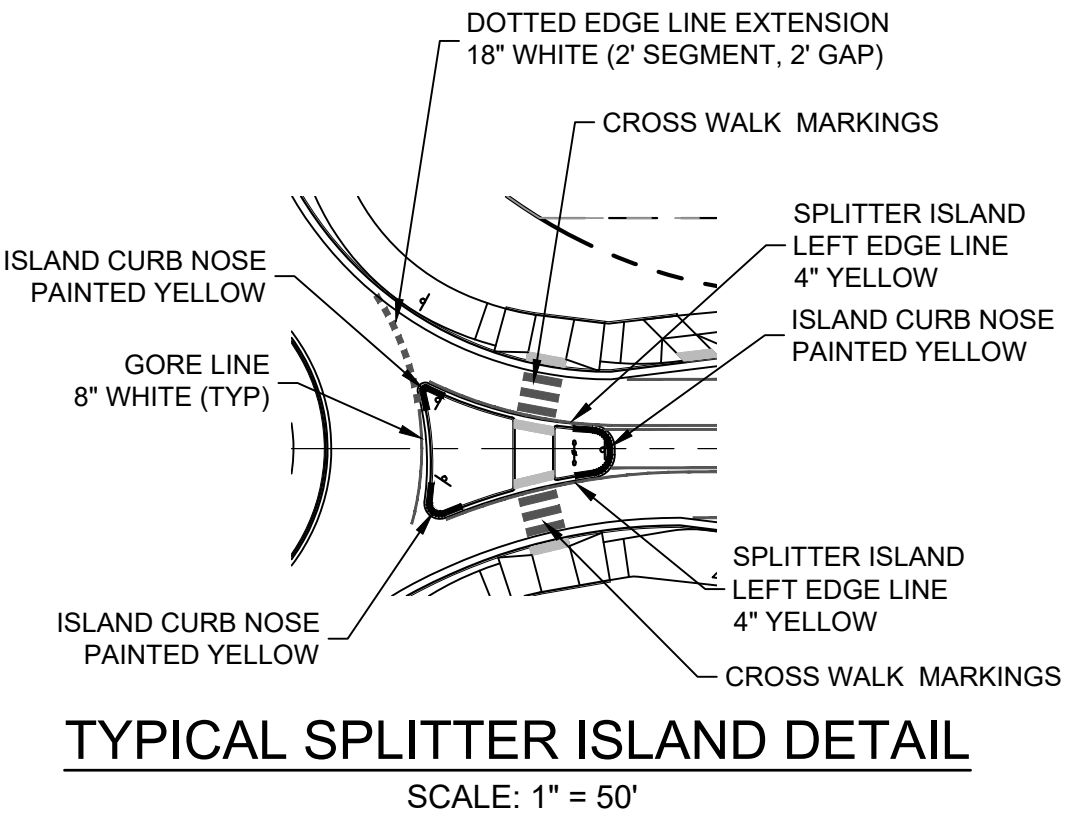
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS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



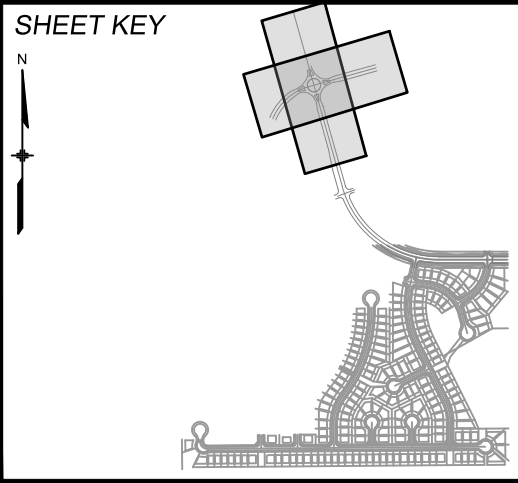
TRAILS AT ASPEN RIDGE			
FILING NO. 1			
ROADWAY & STORM IMPROVEMENT PLANS			
BRADLEY ROAD			
SIGNING & STRIPING			
DESIGNED BY: NMS	SCALE: 1" = 50'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SN01-B
DRAWN BY: TJC	HORIZ. 1" = 50'	SHEET 17 OF 73	
CHECKED BY: NMS	VERT. N.A.		



Know what's below.
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REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SN01-Bradley-Legacy.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 11:21:26 AM			
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

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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 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)

PREPARED BY:
Matrix
DESIGN GROUP

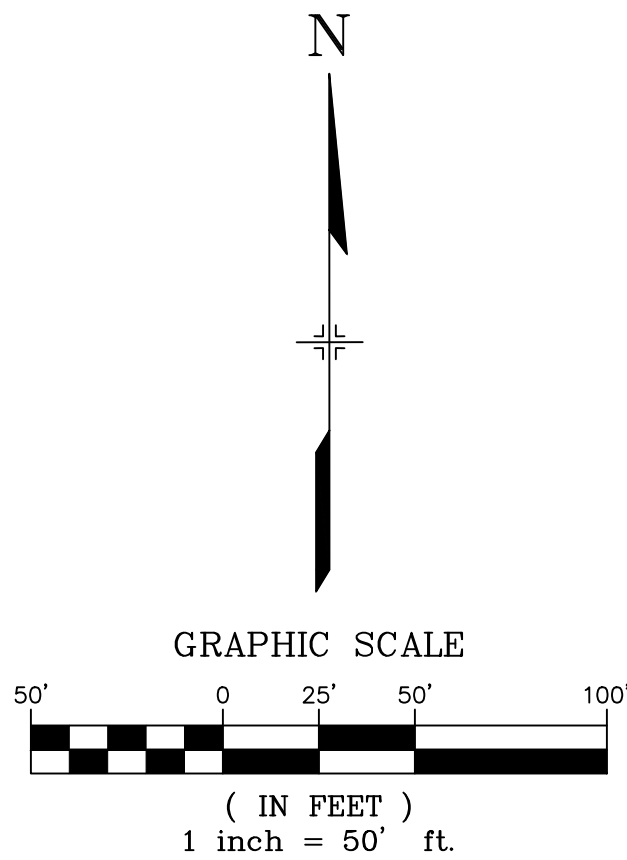
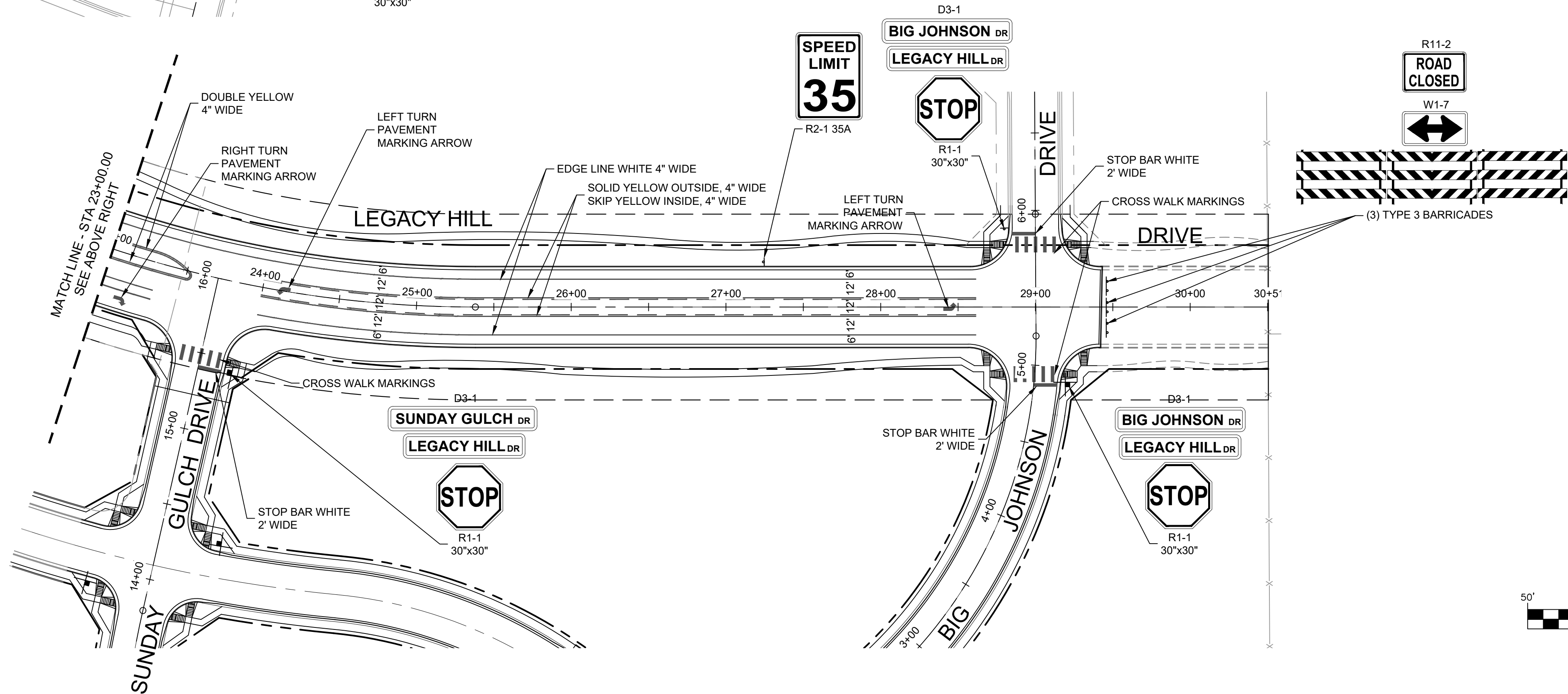
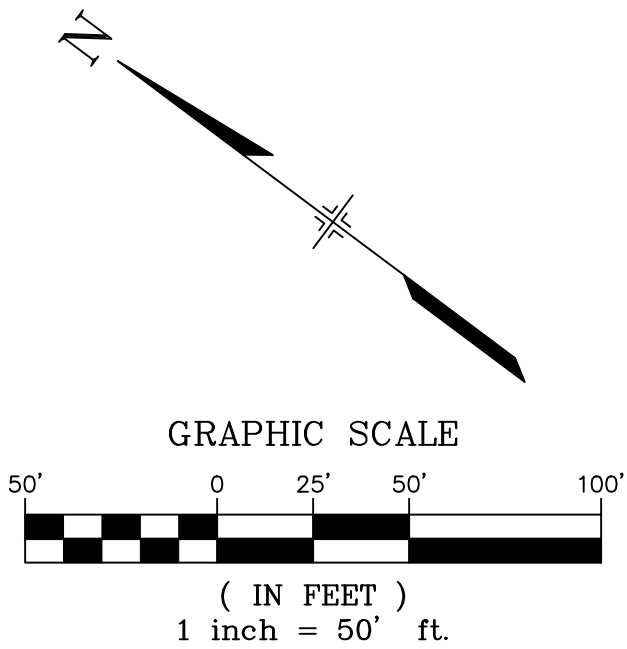
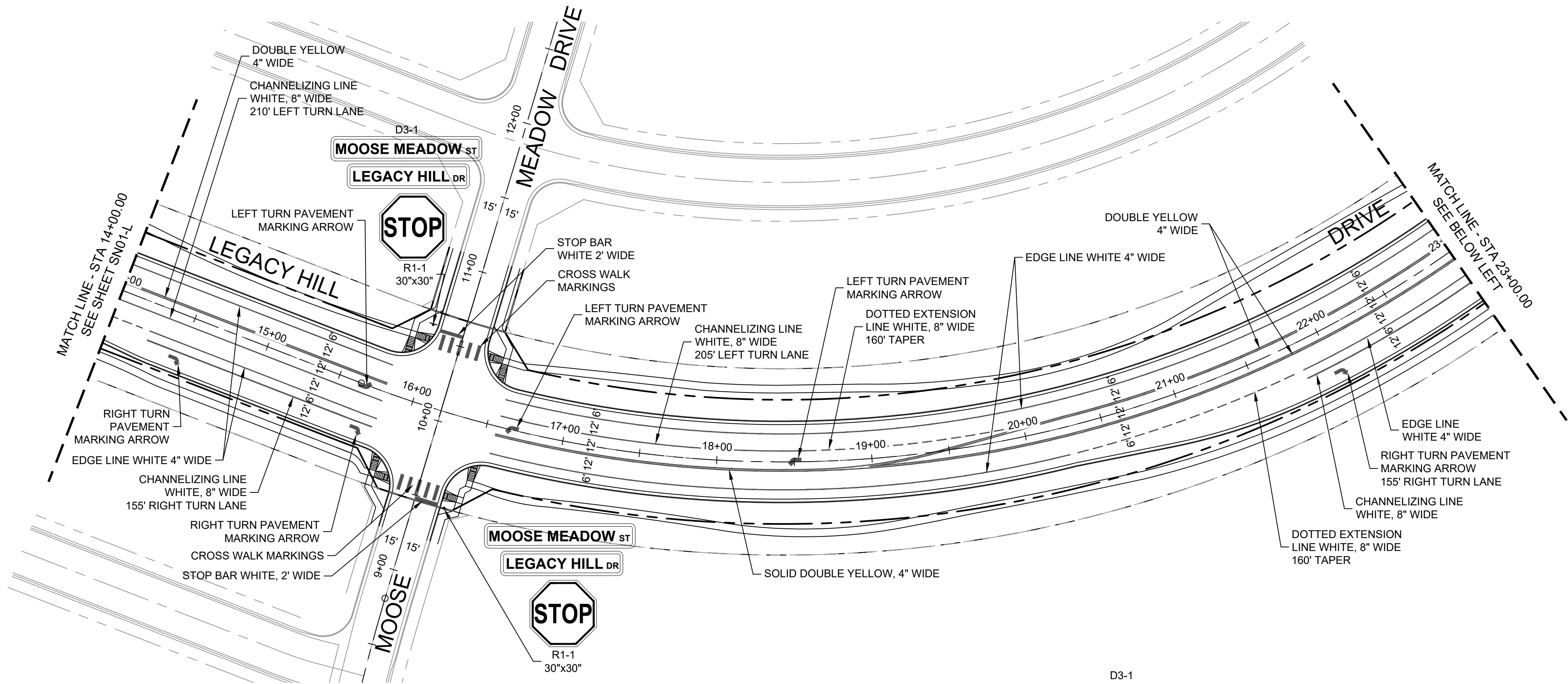
SEAL
COLORADO LICENSED
PROFESSIONAL ENGINEER
52434
W. M. SCHWAB
10/6/20

FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

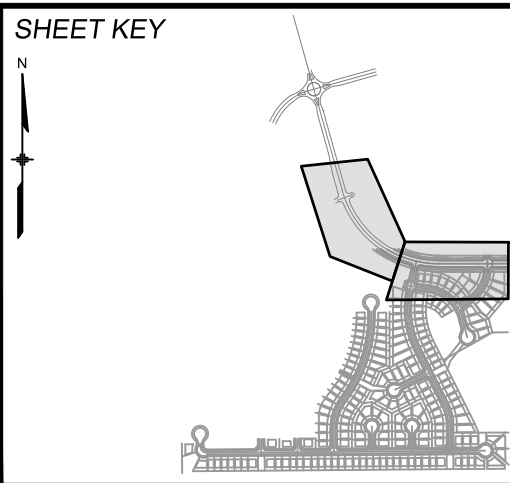
TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
LEGACY HILL DRIVE SIGNING & STRIPING			
DESIGNED BY: NMS	SCALE: 1" = 50'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SN01-L
CHECKED BY: NMS	HORIZ. N.A.	SHEET 18 OF 73	



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REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SN01-Bradley-Legacy.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 11:21:29 AM			
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

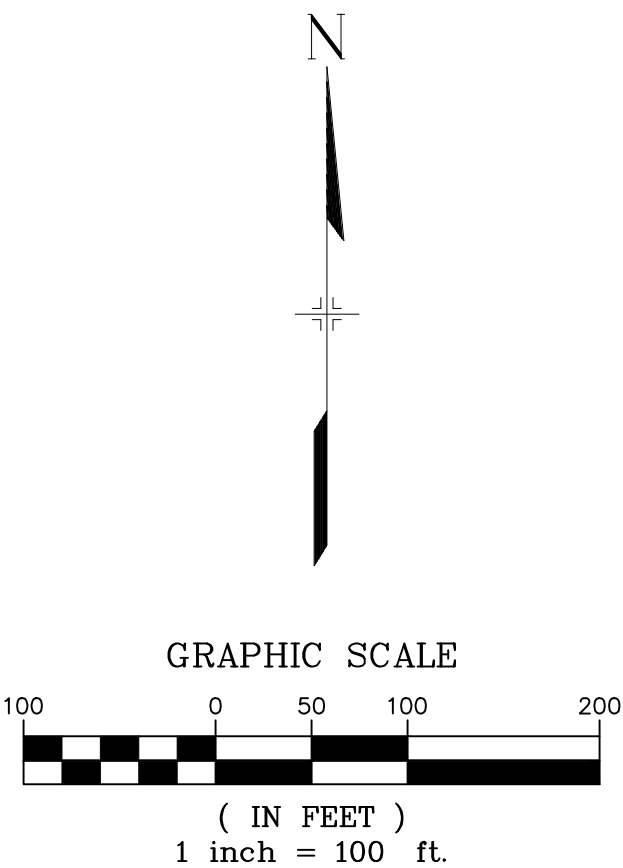
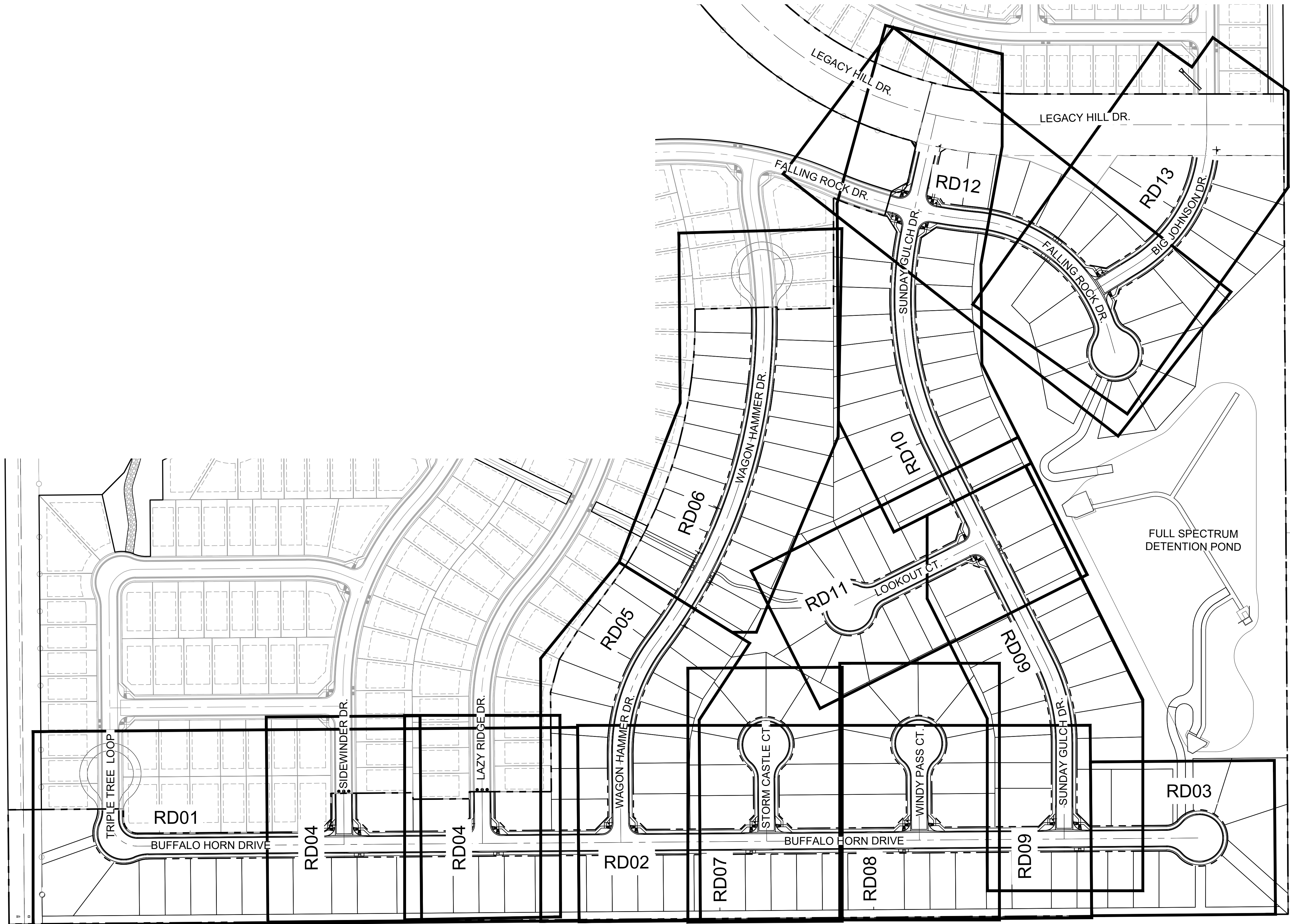
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS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

PREPARED BY:
Matrix
DESIGN GROUP

SEAL

FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
LEGACY DRIVE SIGNING & STRIPING			
DESIGNED BY: NMS	SCALE: 1" = 50'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SN02-L
CHECKED BY: NMS	HORIZ: 1" = 50'	VERT: N.A.	SHEET 19 OF 73



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 1/4
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
REVISIONS			
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD-MAP.dwg			
CTB FILE: ----			
PLOT DATE: January 24, 2020 10:30:15 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

DESIGN DATA:	
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LOCATION: ATTACHED <input checked="" type="checkbox"/> DETACHED <input type="checkbox"/>	THICKNESS: _____
DESIGN SPEED: 25 MPH	COMPOSITE SECTION: HMA _____ BASE _____
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STREET TYPE RESIDENTIAL	

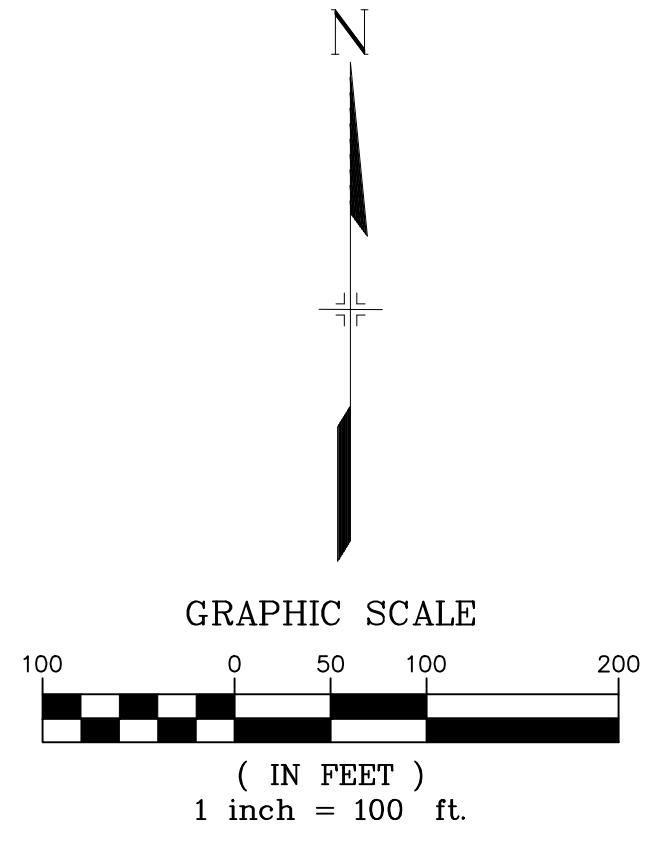
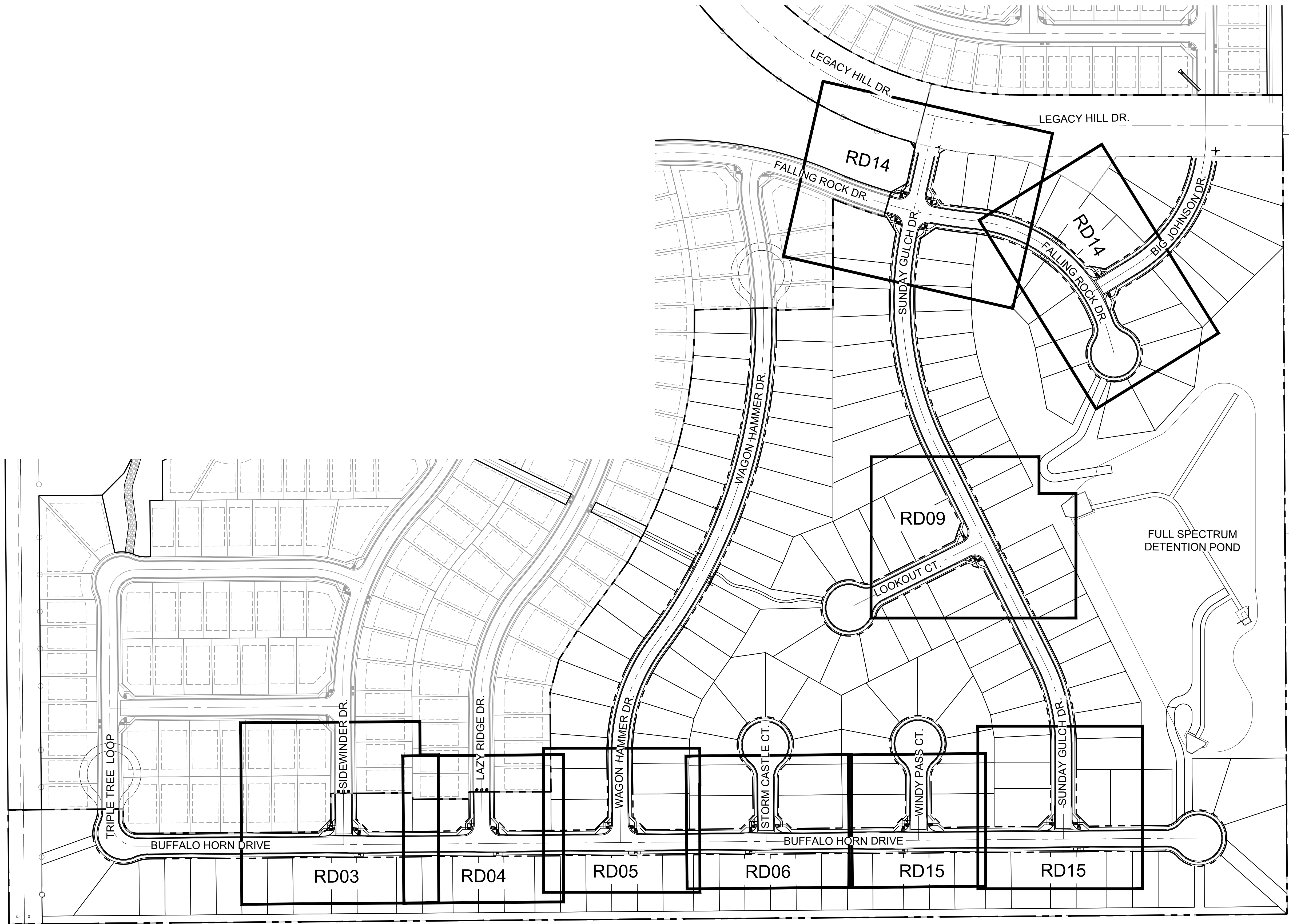
REVIEW:	
STREET DESIGN:	
CURB & GUTTER REVIEW _____	DATE: _____
FINAL REVIEW _____	DATE: _____
DRAINAGE DESIGN:	
BY: _____	DATE: _____
TRAFFIC DESIGN:	
BY: _____	DATE: _____
*Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.	

PREPARED BY:

SEAL

FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
KEY MAP INTERNAL ROADWAY PLAN & PROFILE SHEETS			
DESIGNED BY: NMS	SCALE: HORIZ. 1" = 100'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RDX1
CHECKED BY: NMS	VERT. N/A	SHEET 20 OF 73	



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

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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 1/4 CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD-MAP.dwg			
PLOT DATE: January 24, 2020 10:30:36 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

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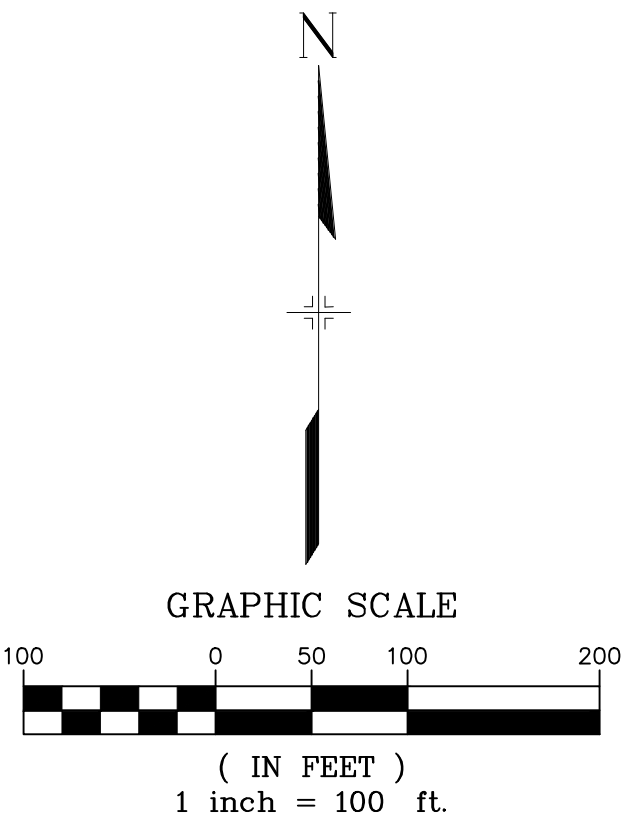
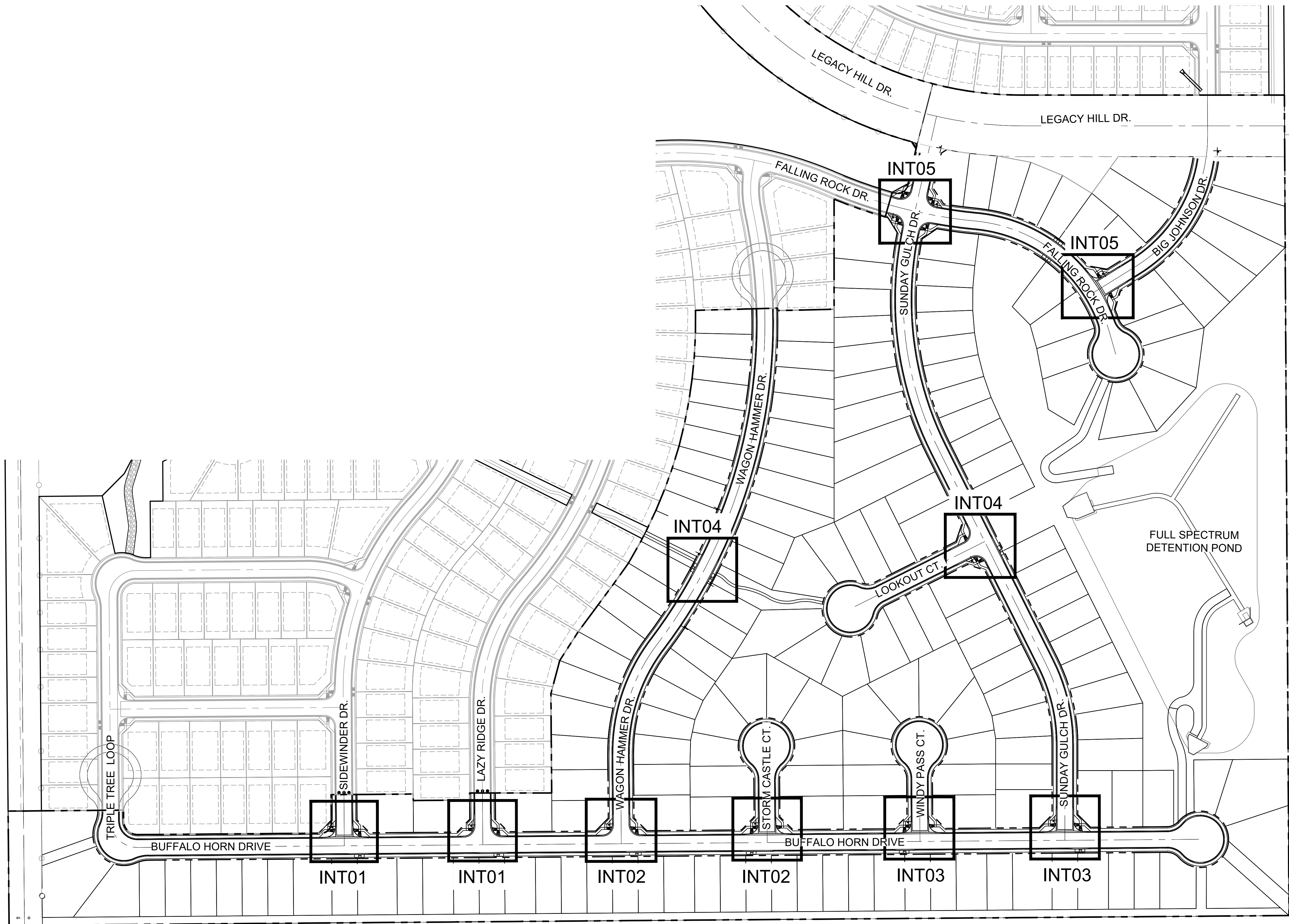
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STREET DESIGN:	
CURB & GUTTER REVIEW	DATE: _____
FINAL REVIEW	DATE: _____
DRAINAGE DESIGN:	DATE: _____
BY: _____	DATE: _____
TRAFFIC DESIGN:	DATE: _____
BY: _____	DATE: _____
*Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.	

PREPARED BY:

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FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
KEY MAP CURB RETURN FLOW LINE PROFILE SHEETS			
DESIGNED BY: NMS	SCALE: HORIZ. 1" = 100'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RDX2
CHECKED BY: NMS	VERT. N/A	SHEET 21 OF 73	



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,
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No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD-MAP.dwg			
CTB FILE: ----			
PLOT DATE: January 24, 2020 10:30:55 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

DESIGN DATA:	
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LOCATION: ATTACHED <input checked="" type="checkbox"/> DETACHED <input type="checkbox"/>	THICKNESS:
DESIGN SPEED: 25 MPH	COMPOSITE SECTION: HMA <input type="checkbox"/> BASE <input type="checkbox"/>
CURB TYPE: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E	
ROW WIDTH 50' FL-FL 32.33'	
STREET TYPE RESIDENTIAL	

REVIEW:	
STREET DESIGN:	
CURB & GUTTER REVIEW	DATE: _____
FINAL REVIEW	DATE: _____
DRAINAGE DESIGN:	DATE: _____
BY: _____	DATE: _____
TRAFFIC DESIGN:	DATE: _____
BY: _____	DATE: _____
*Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.	

PREPARED BY:

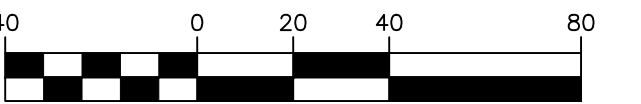
SEAL

FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
KEY MAP PEDESTRIAN RAMP DETAIL SHEETS			
DESIGNED BY: NMS	SCALE: HORIZ. 1" = 100'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RDX3
CHECKED BY: NMS	VERT. N/A	SHEET 22 OF 73	

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GRAPHIC SCALE

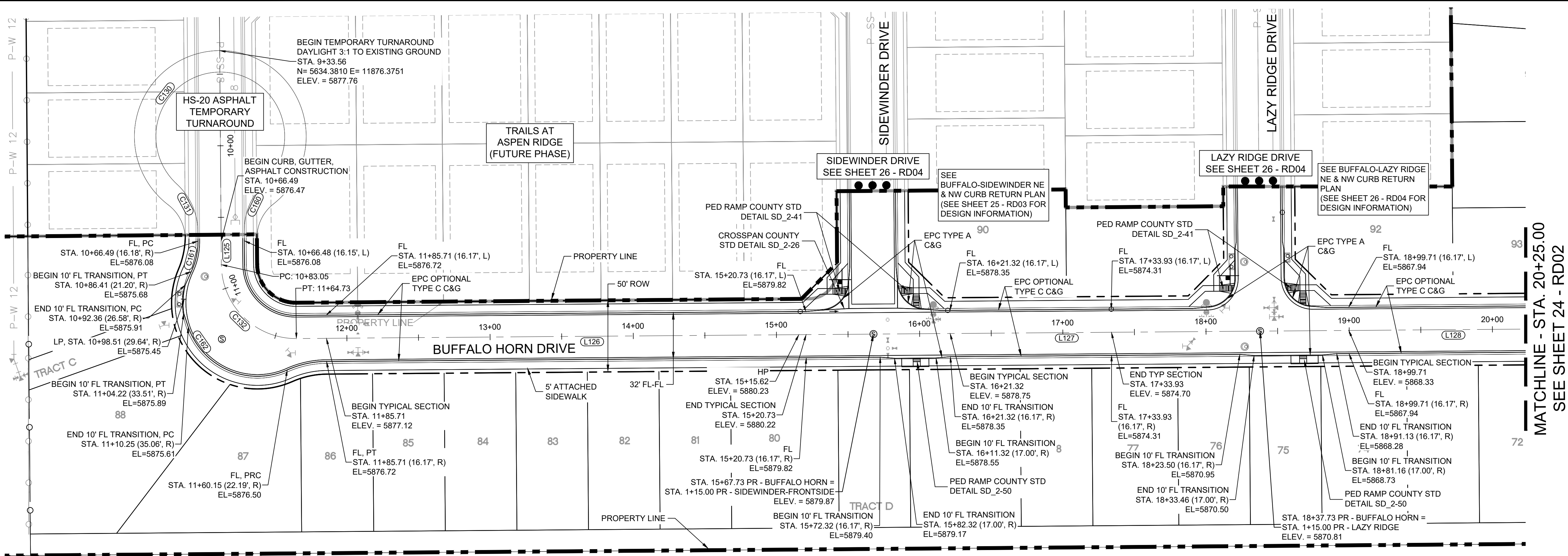
(IN FEET)
1 inch = 40 ft.

LINE TABLE

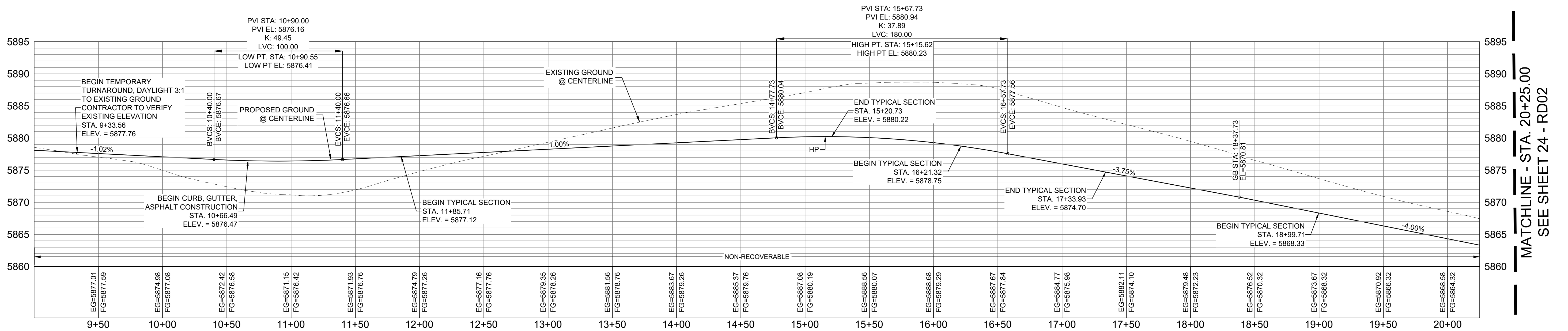
LINE #	BEARING	DISTANCE
L125	S00°26'32"E	20.94
L126	N89°33'35"E	403.00
L127	N89°33'35"E	270.00
L128	N89°33'35"E	270.00

CURVE TABLE

CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C130	215.49	45.00	274°22'14"
C131	37.06	45.00	47°11'07"
C132	81.68	52.00	89°59'53"
C160	37.06	45.00	47°11'07"
C161	22.03	48.83	25°50'31"
C162	124.45	51.17	139°21'09"



BUFFALO HORN DRIVE PLAN



BUFFALO HORN DRIVE CL PROFILE

HORIZ: 1" = 40'

VERT: 1" = 8'

BENCHMARK

COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERTSEN 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

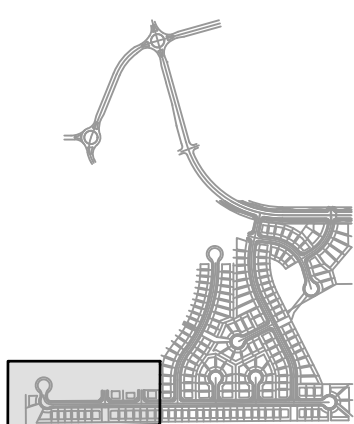
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST
QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF
THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST
CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/2
CORNER OF SAID SECTION 9 (3 1/2' AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\RD01-04.dwg			
CTB FILE: COMM-TECH_D-SIZE_BW.ctb			
PLOT DATE: January 23, 2020 11:23:38 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

DESIGN DATA:

SIDEWALKS: WIDTH 5'
LOCATION: ATTACHED ☒ DETACHED ☐
DESIGN SPEED: 25 MPH
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E
ROW WIDTH 50' FL-FL 32.33'
STREET TYPE RESIDENTIAL
PAVEMENT: TYPE: HMA ☐ PCC ☐
THICKNESS:
COMPOSITE SECTION: HMA ☐ BASE

SHEET KEY



REVIEW:

STREET DESIGN:
CURB & GUTTER REVIEW _____ DATE: _____
FINAL REVIEW _____ DATE: _____
DRAINAGE DESIGN: _____ DATE: _____
TRAFFIC DESIGN: _____ DATE: _____

"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended."

PREPARED BY:

Matrix
DESIGN GROUP

SEAL

FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE

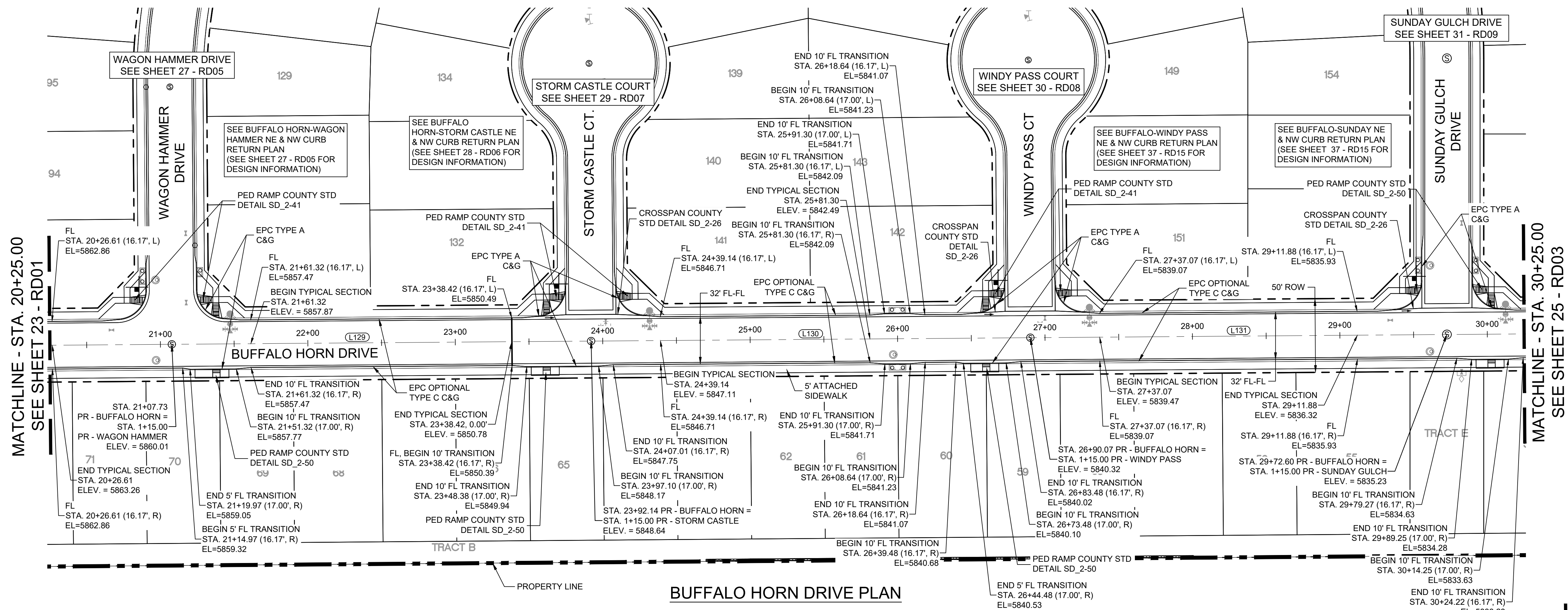
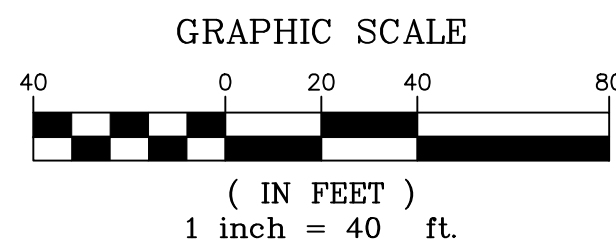
FILING NO. 1
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

ROADWAY PLAN & PROFILE

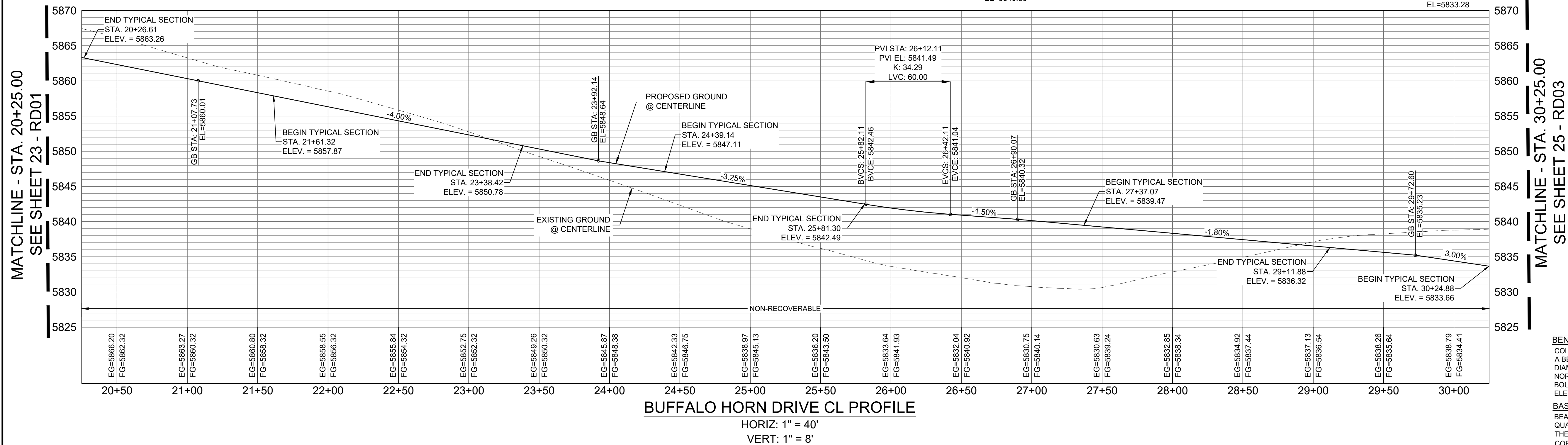
DESIGNED BY: NMS
DRAWN BY: TJC
CHECKED BY: NMS
SCALE: 1"=40'
DATE ISSUED: SEPTEMBER, 2019
SHEET: 23 OF 73
DRAWING No. RD01



Know what's **below**.
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LINE TABLE		
LINE #	BEARING	DISTANCE
L129	N89°33'35"E	284.41
L130	N89°33'35"E	297.94
L131	N89°33'35"E	282.52



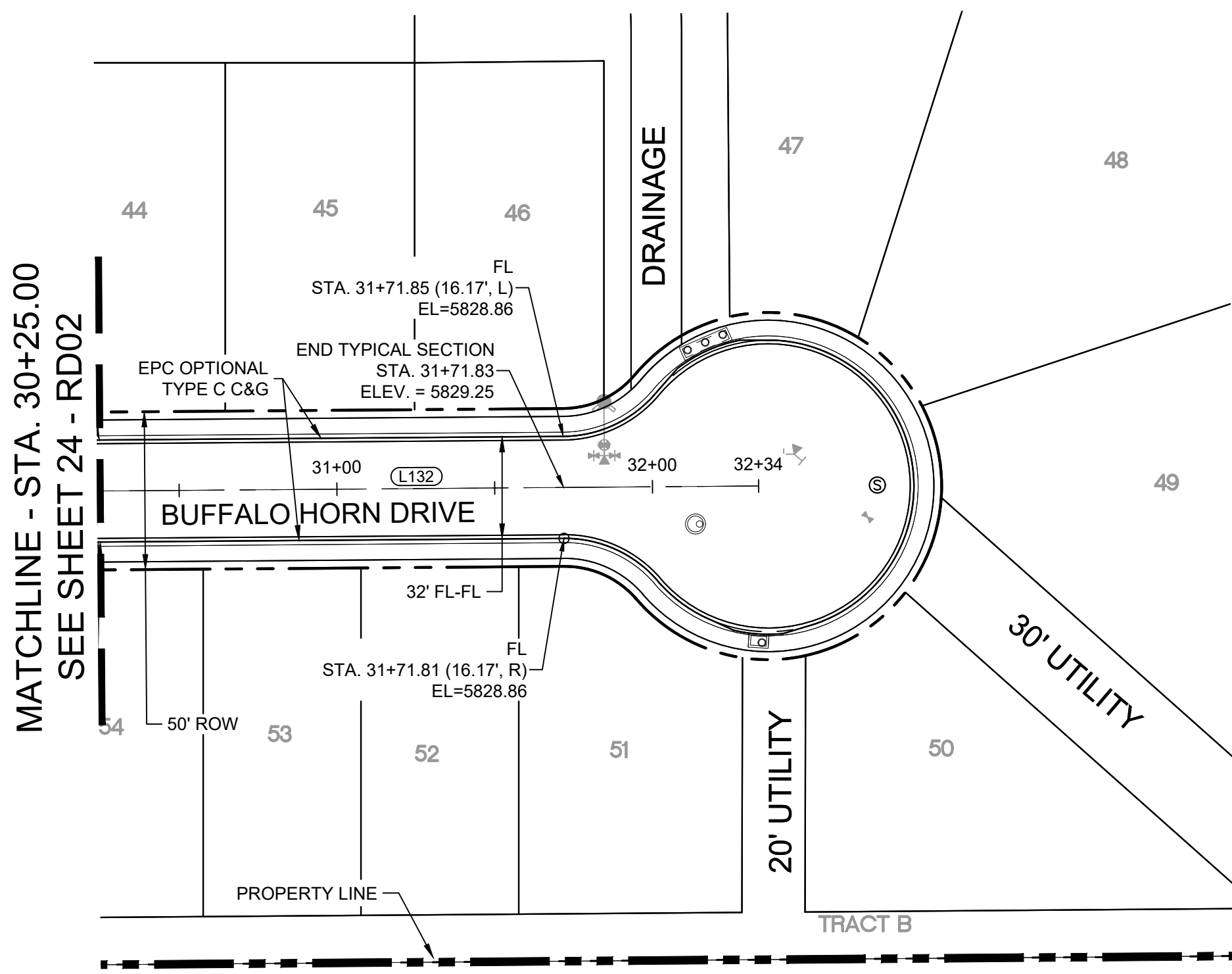
BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
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 DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE
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 BOULEVARD,
 ELEVATION - 5897.89' U.S. SURVEY FT

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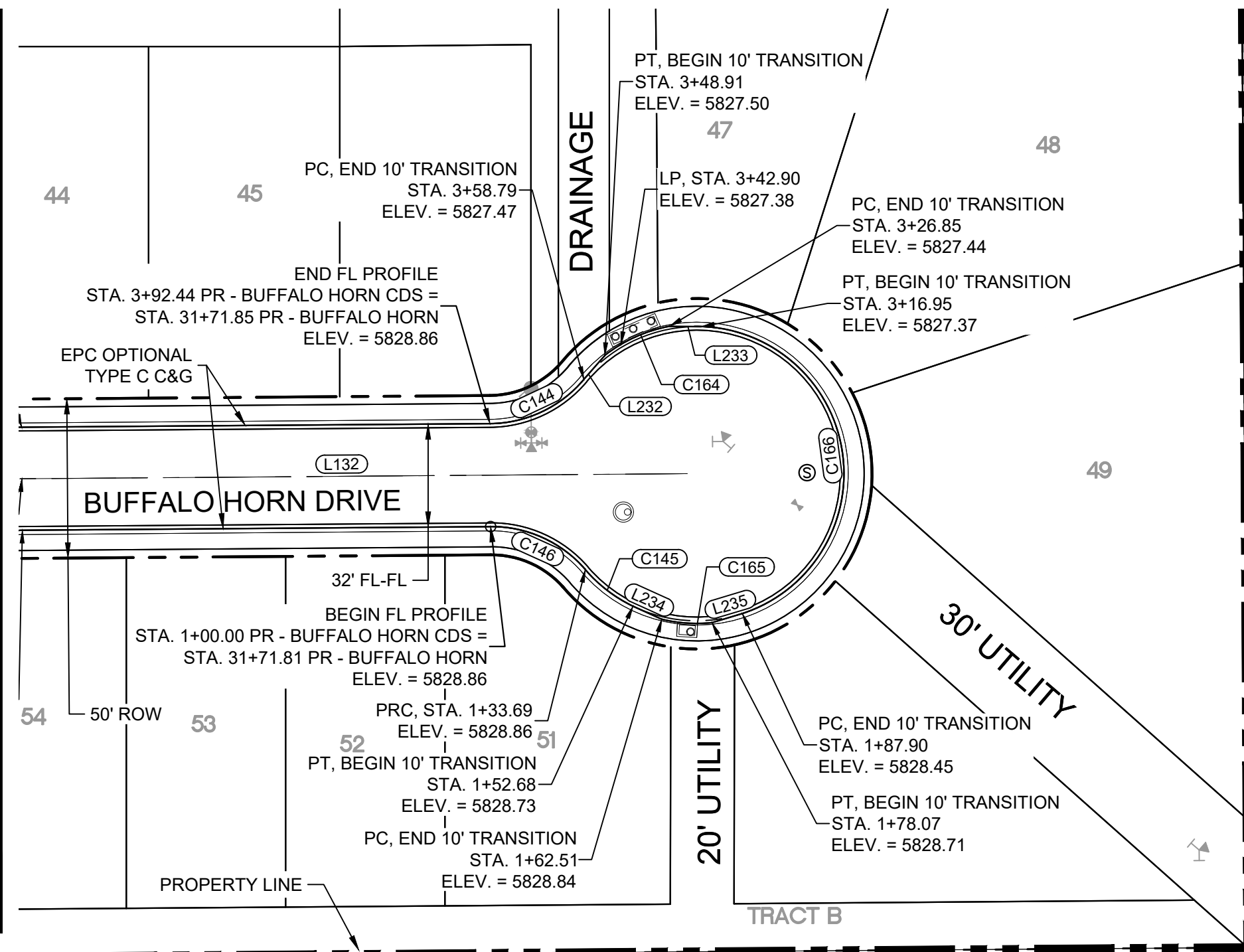
No.	DATE	DESCRIPTION		BY
REVISIONS				
COMPUTER FILE MANAGEMENT				
FILE NAME: s:\19.886.011\trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\RD01-04.dwg				
CTB FILE: COMM-TECH D-SIZE_BW.ctb				
PLOT DATE: January 23, 2020 11:23:45 AM				
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.				



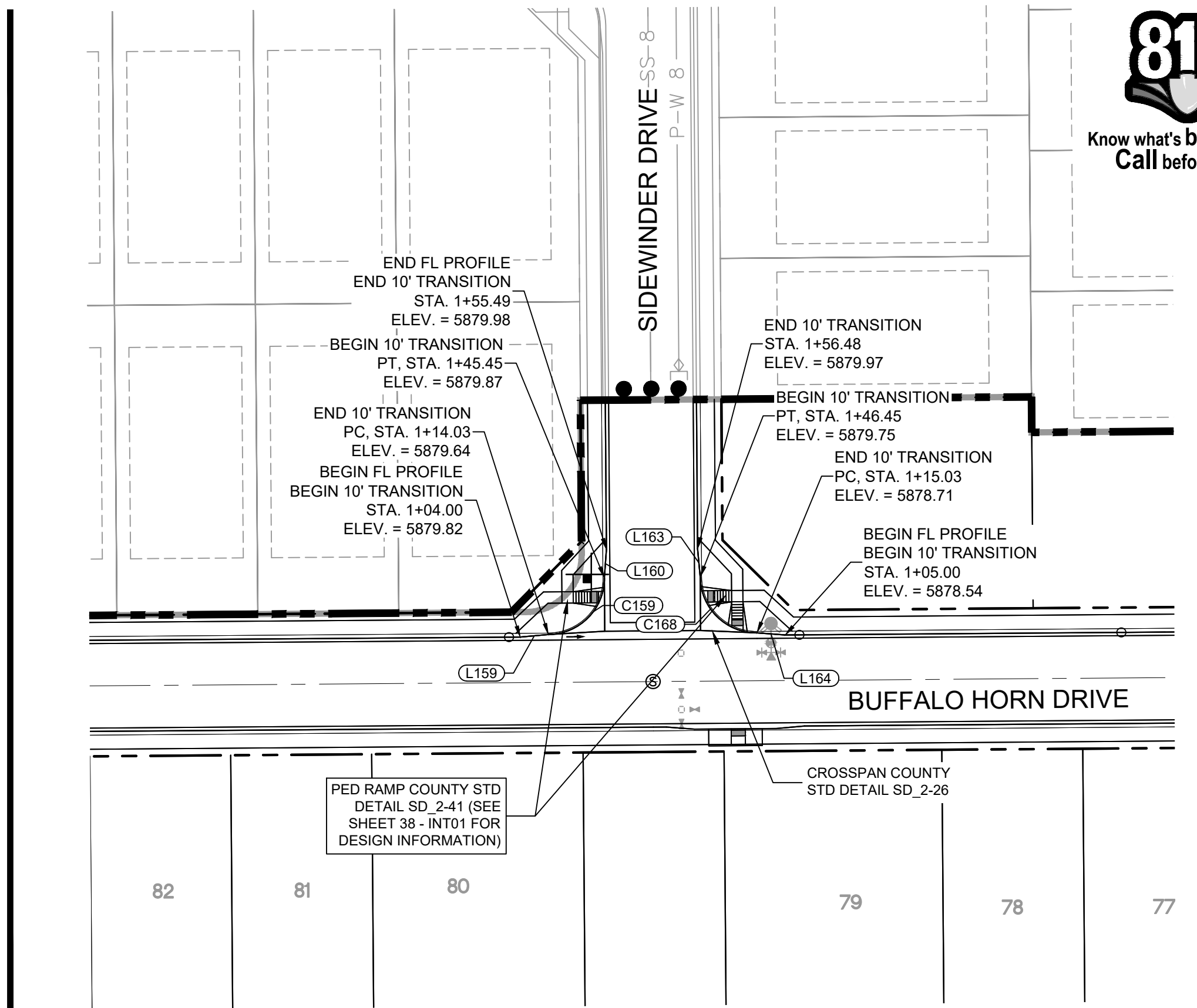
Know what's below.
Call before you dig.



BUFFALO HORN DRIVE PLAN



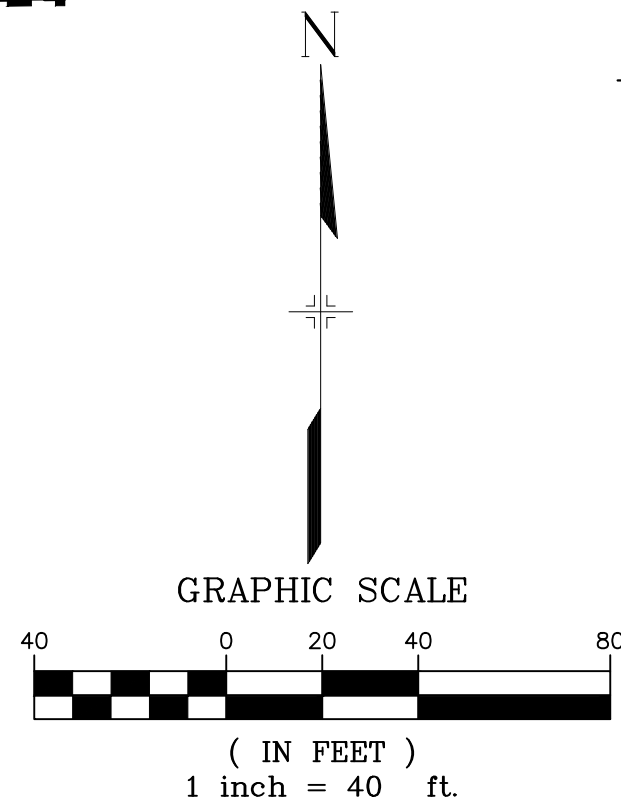
BUFFALO HORN DRIVE CDS FL PLAN



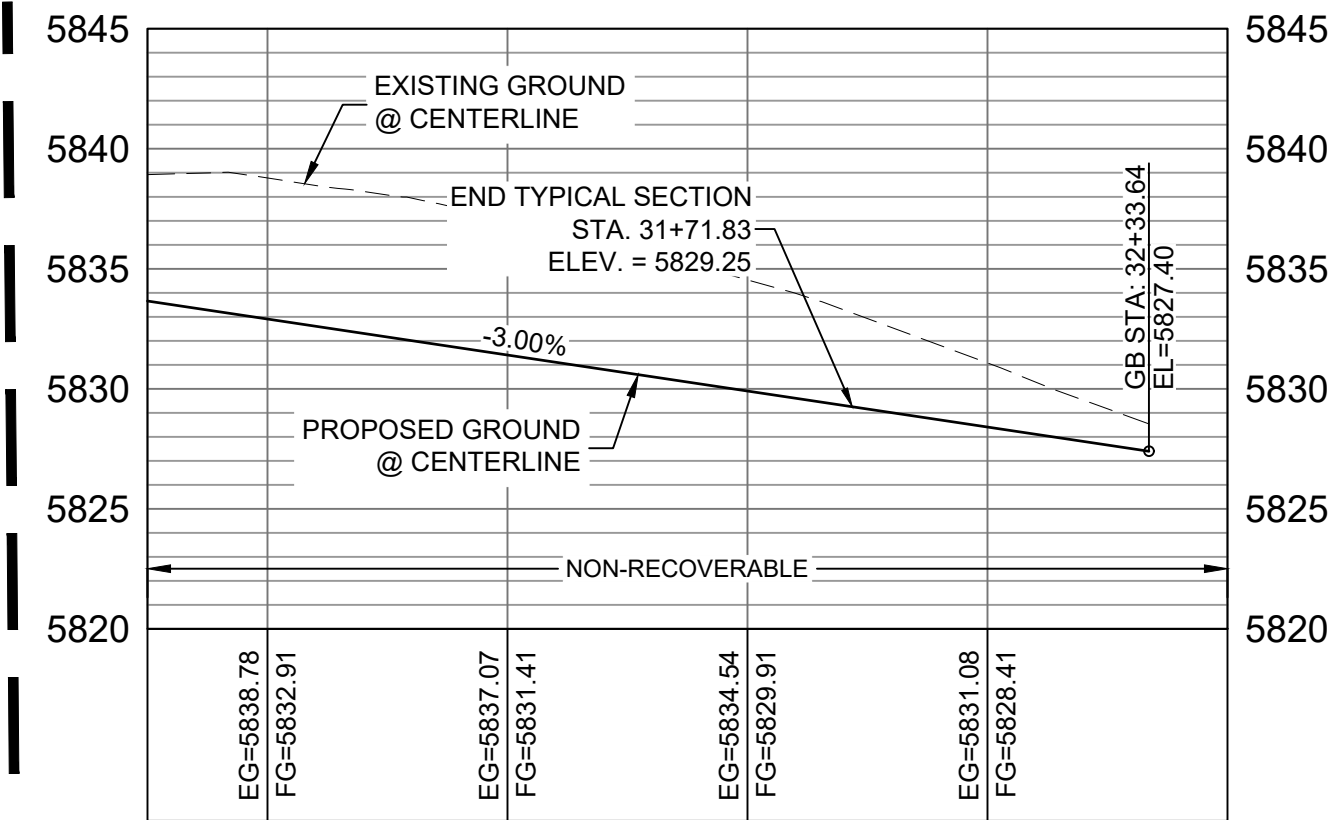
BUFFALO HORN DRIVE /
SIDEWINDER DRIVE
CURB RETURNS PLAN

LINE TABLE		
LINE #	BEARING	DISTANCE
L132	N89°33'35"E	261.04
L232	N41°15'54"E	10.00
L233	S89°34'46"E	10.00
L234	S65°37'06"E	9.93
L235	N73°16'19"E	9.93

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C144	33.66	38.83	49°39'34"
C145	19.00	46.17	23°34'39"
C146	33.69	38.83	49°42'01"
C164	22.45	47.00	27°22'19"
C165	15.85	47.00	19°19'10"
C166	129.06	46.17	160°10'16"

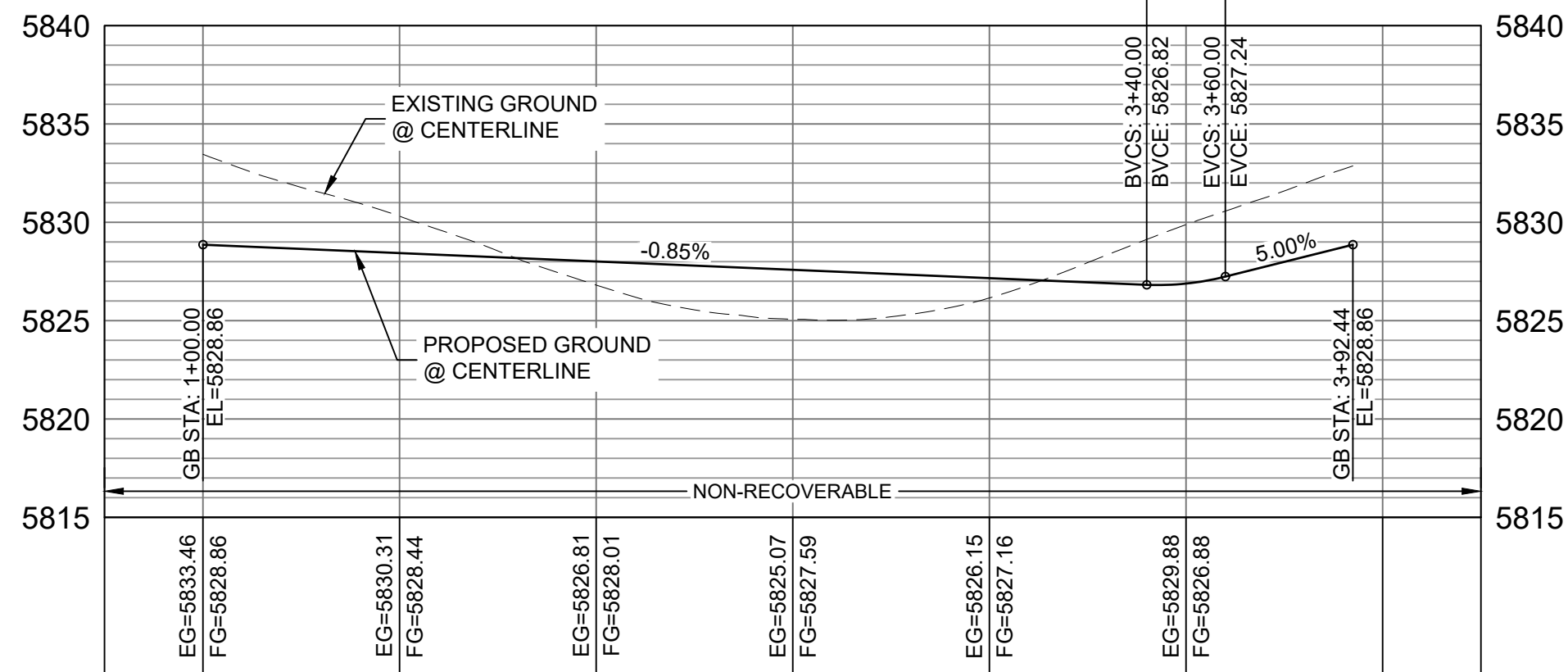


MATCHLINE - STA. 30+25.00
SEE SHEET 24 - RD02



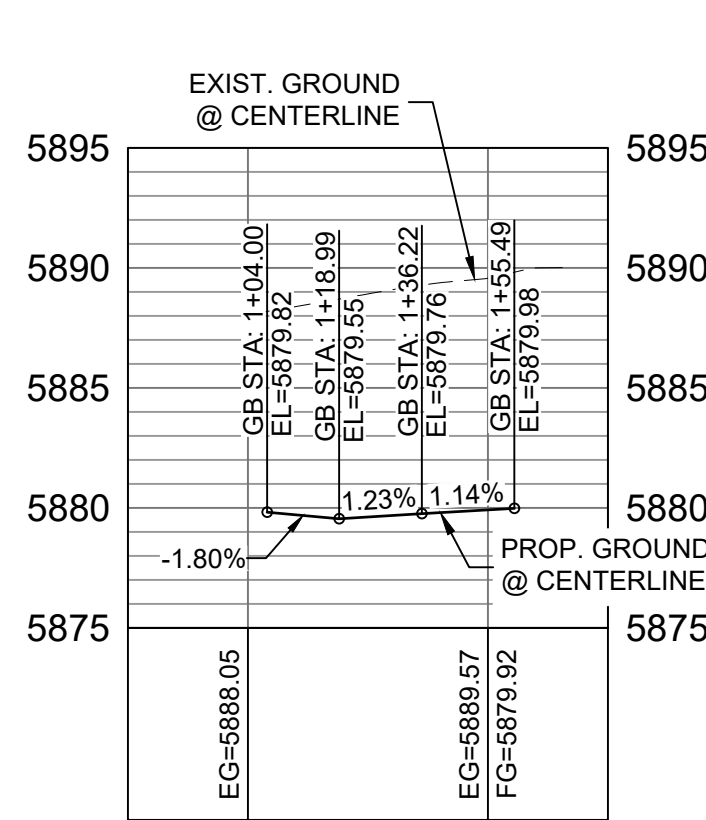
BUFFALO HORN DRIVE CL PROFILE

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



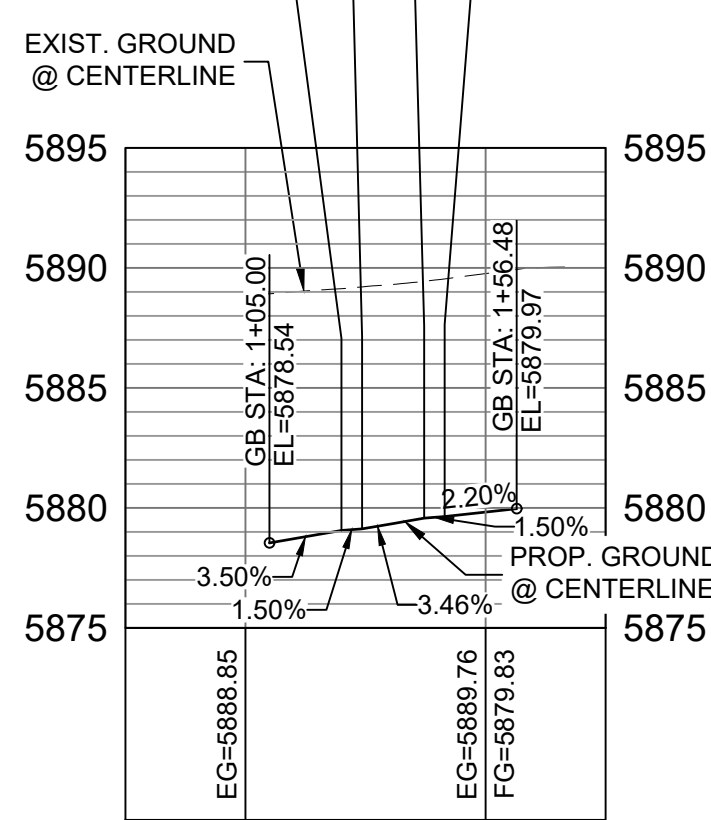
BUFFALO HORN DRIVE CDS FL
PROFILE

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



BUFFALO HORN DRIVE /
SIDEWINDER DRIVE NW FL
CURB RETURN PROFILE

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



BUFFALO HORN DRIVE /
SIDEWINDER DRIVE NE FL
CURB RETURN PROFILE

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

LINE TABLE		
LINE #	BEARING	DISTANCE
L159	N84°47'46"E	10.03
L160	N04°19'24"E	10.03
L163	N05°12'14"W	10.03
L164	N85°40'36"W	10.03

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C159	31.42	20.00	90°00'00"
C168	31.42	20.00	90°00'00"

BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERTSEN 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

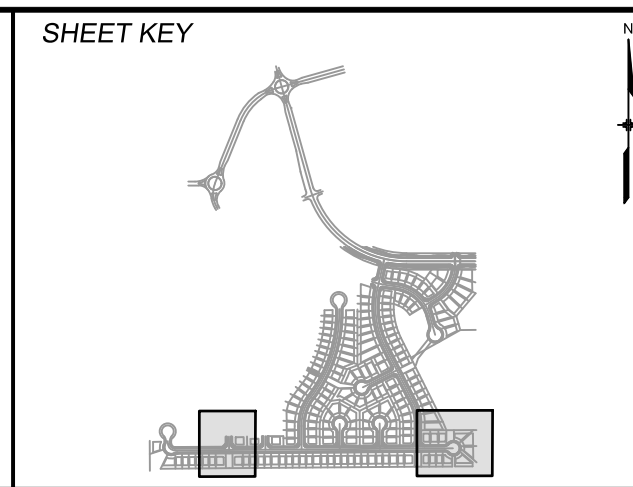
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST
QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF
THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST
CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS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

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\RD01-04.dwg			
CTB FILE: COMM-TECH_D-SIZE_BW.ctb			
PLOT DATE: January 23, 2020 11:23:56 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

DESIGN DATA:
SIDEWALKS: WIDTH 5'
LOCATION: ATTACHED ☒ DETACHED ☐
DESIGN SPEED: 25 MPH
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E
ROW WIDTH 50' FL-FL 32.33'
STREET TYPE RESIDENTIAL

PAVEMENT:
TYPE: HMA ☐ PCC ☐
THICKNESS: _____

COMPOSITE SECTION:
HMA _____ BASE _____



REVIEW:
STREET DESIGN:
CURB & GUTTER REVIEW _____ DATE: _____
FINAL REVIEW _____ DATE: _____
DRAINAGE DESIGN:
BY: _____ DATE: _____
TRAFFIC DESIGN:
BY: _____ DATE: _____

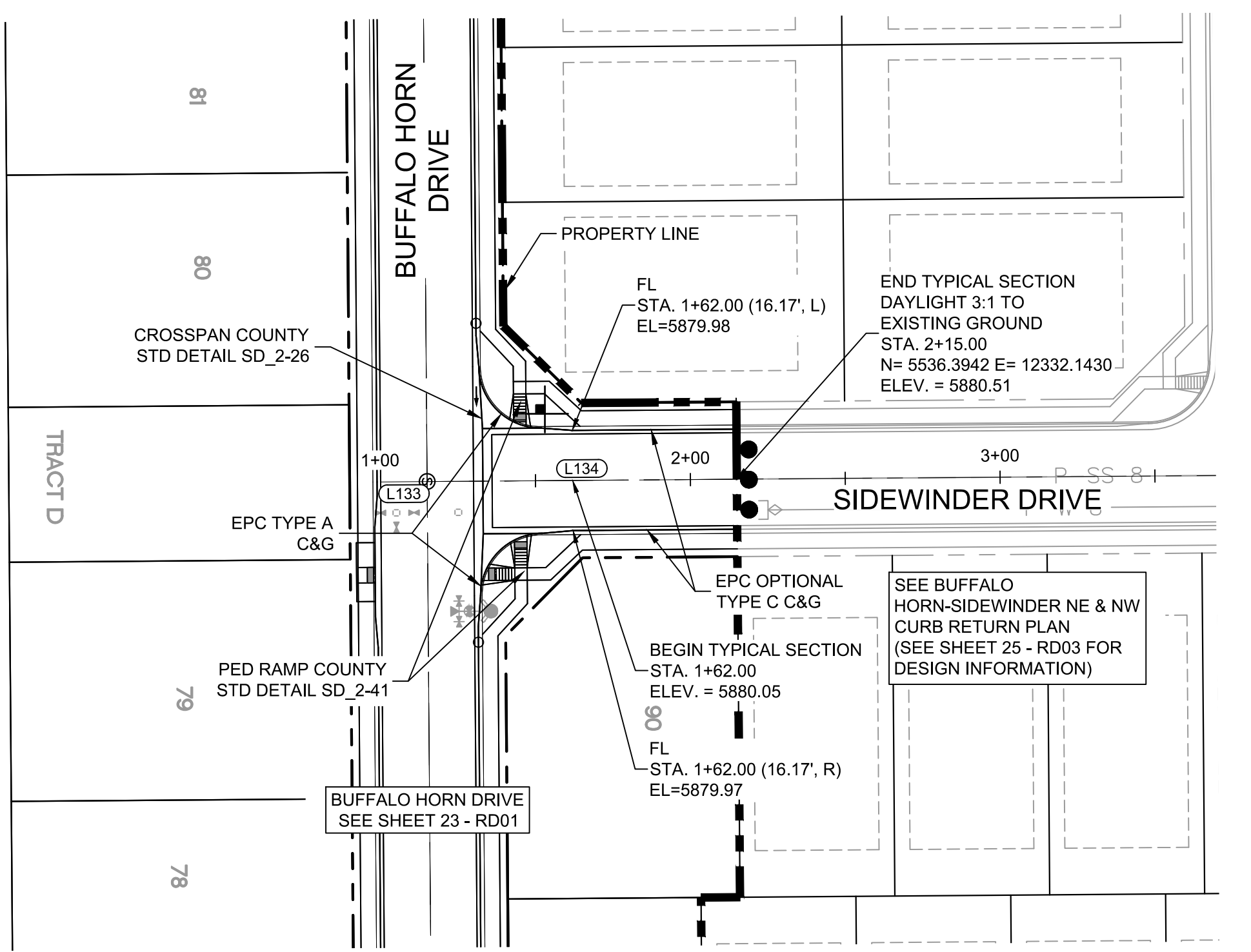
"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended."



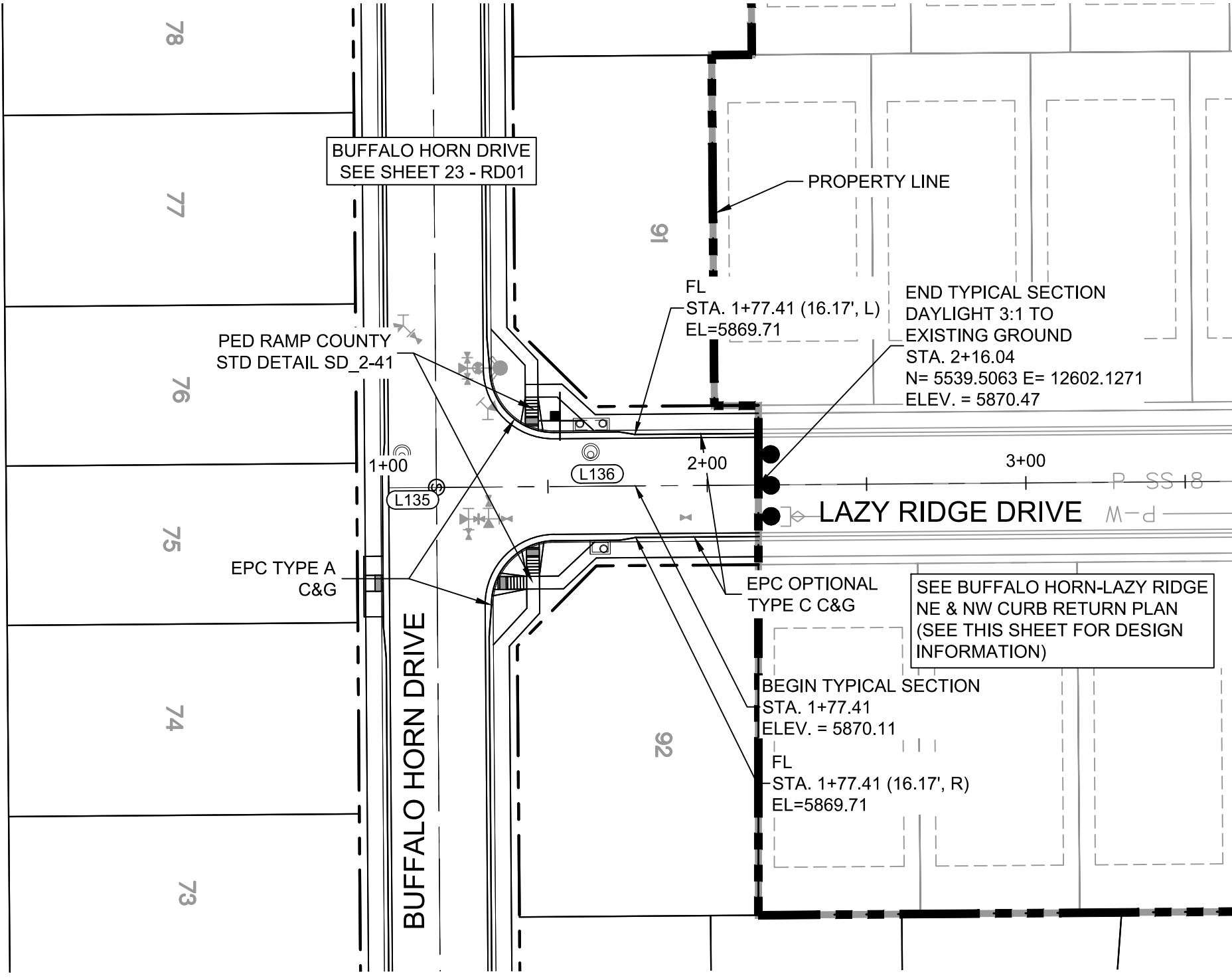
TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
ROADWAY PLAN & PROFILE			
DESIGNED BY: NMS	SCALE: 1"=40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RD03
DRAWN BY: TJC	HORIZ: 1"=40'		
CHECKED BY: NMS	VERT: 1"=8'	SHEET 25 OF 73	



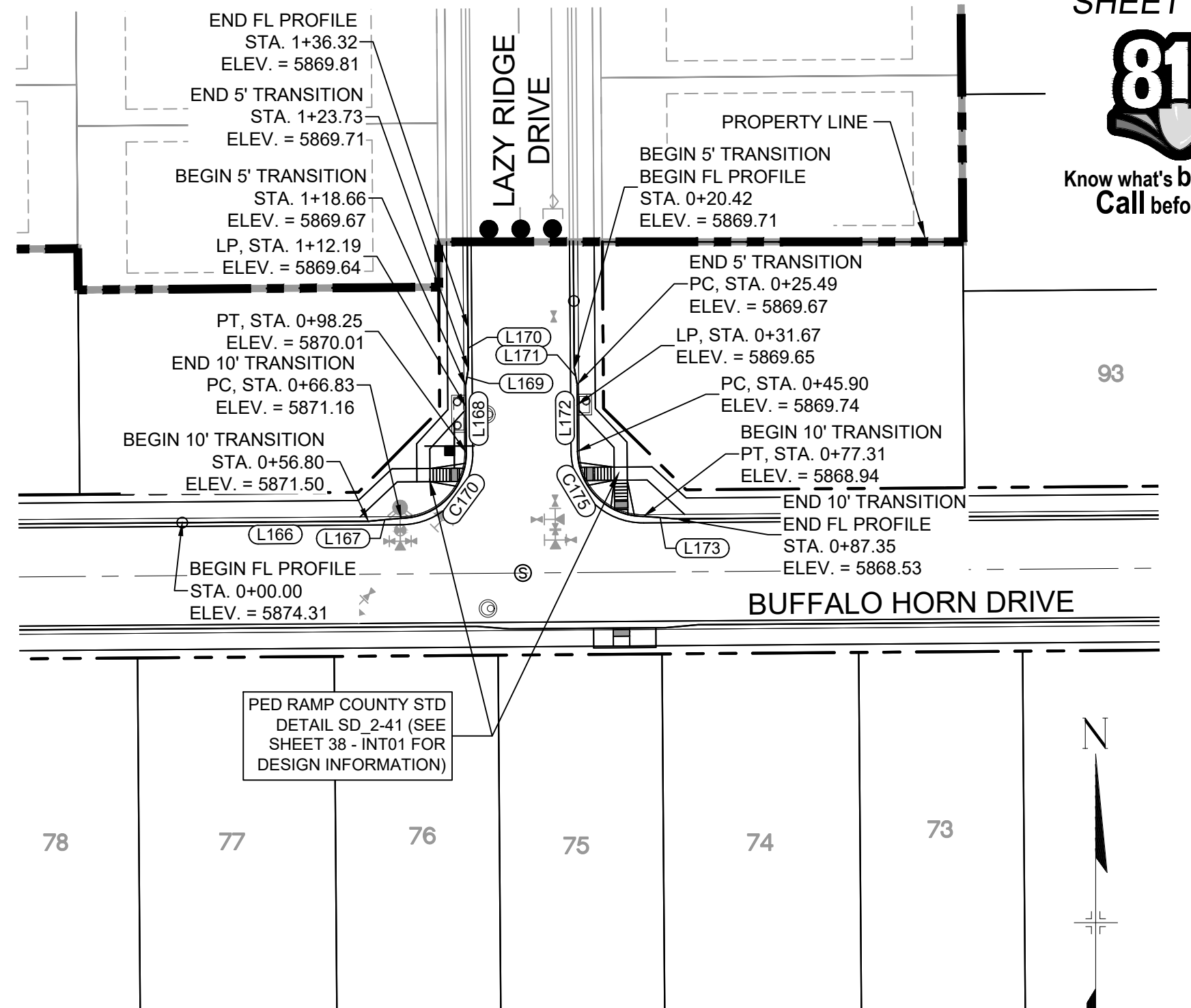
Know what's below.
Call before you dig.



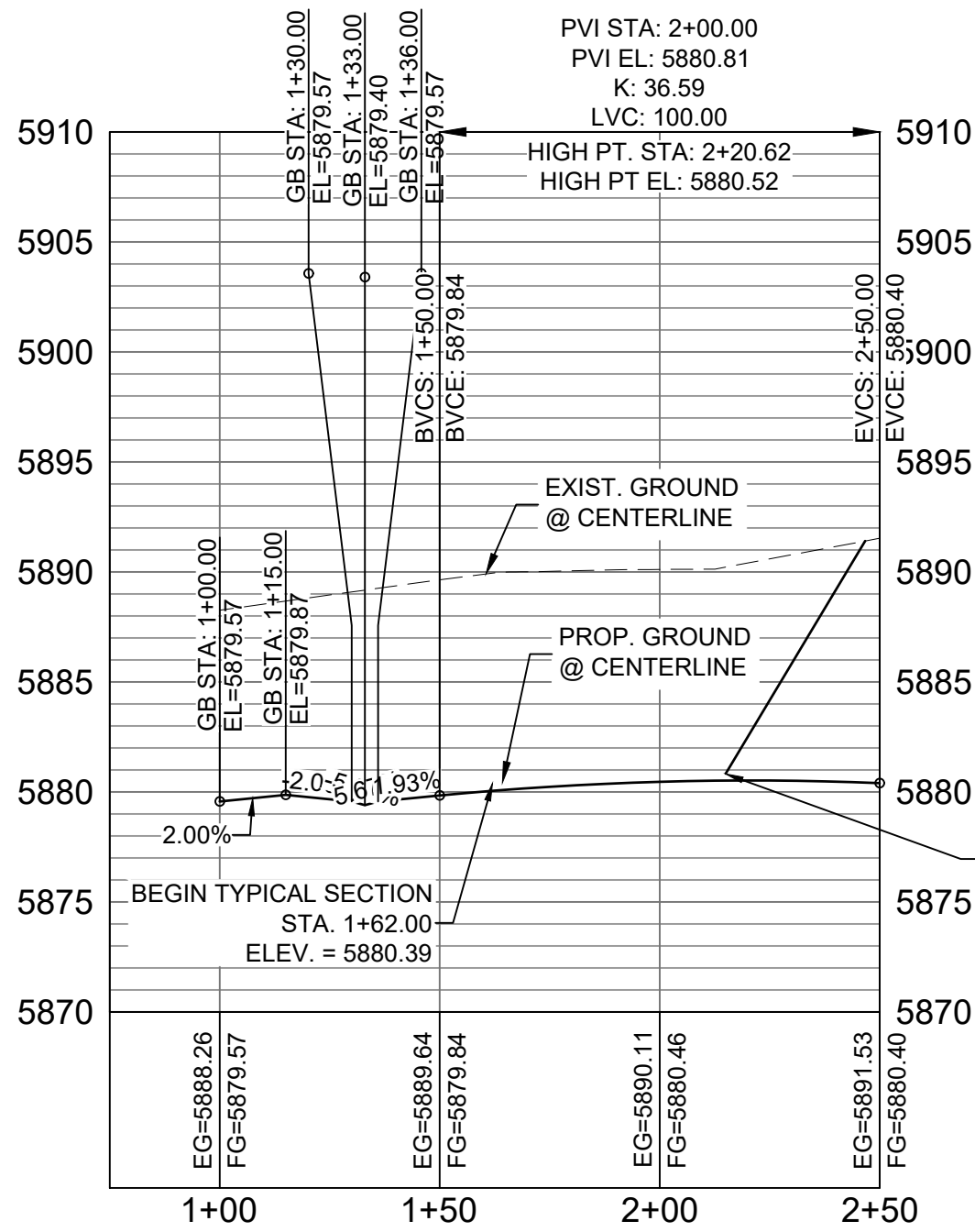
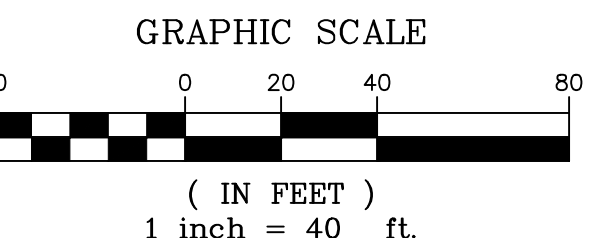
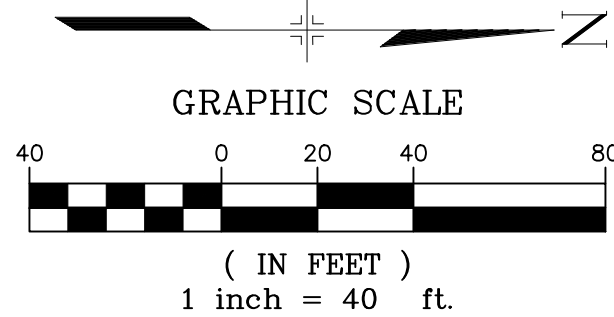
SIDEWINDER DRIVE PLAN



LAZY RIDGE DRIVE PLAN



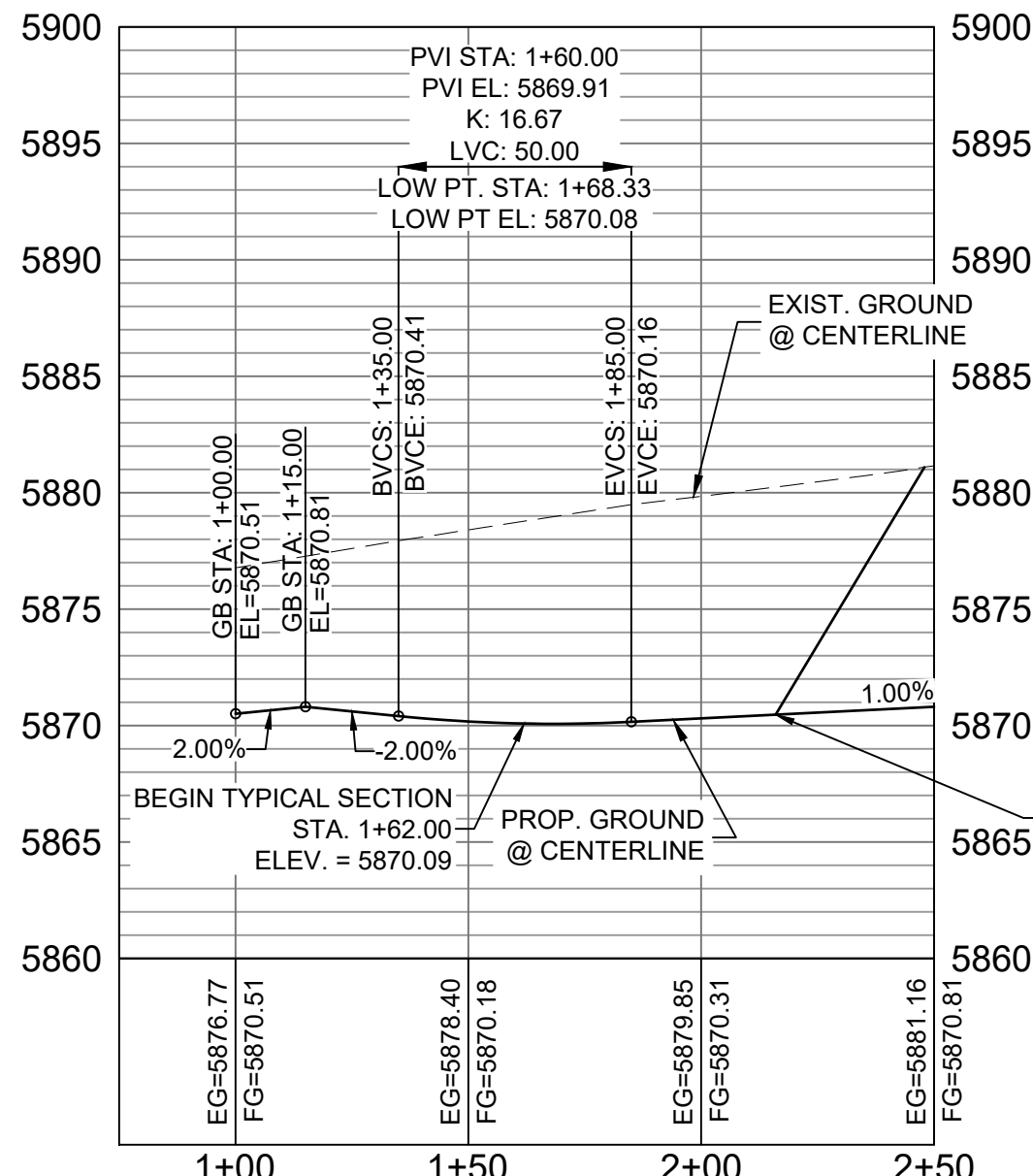
BUFFALO HORN DRIVE /
LAZY RIDGE DRIVE
CURB RETURNS PLAN



SIDEWINDER DRIVE CL PROFILE

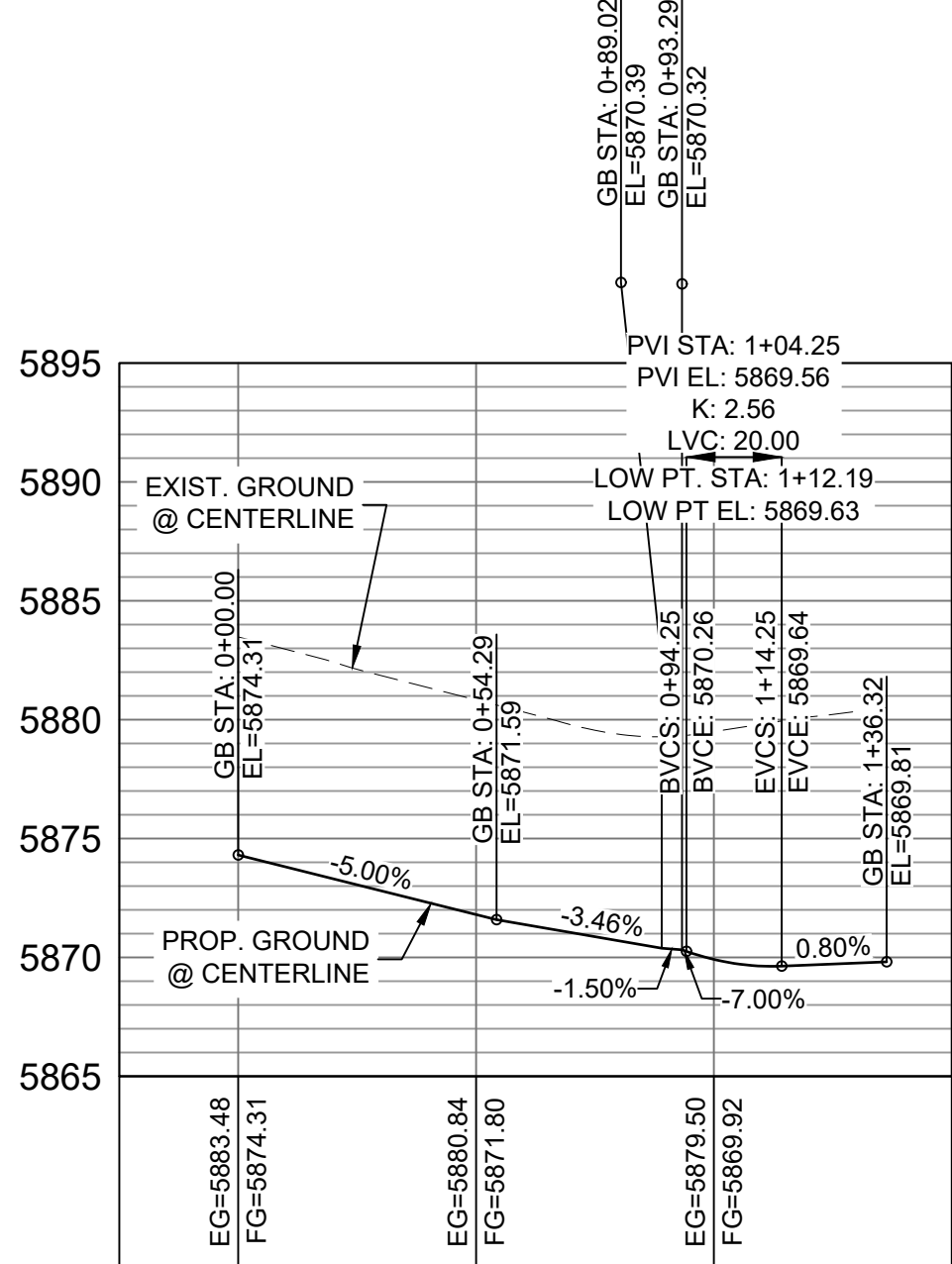
HORIZ: 1" = 40'
VERT: 1" = 8'

LINE TABLE		
LINE #	BEARING	DISTANCE
L133	N00°26'25"W	15.00
L134	N00°26'25"W	100.00
L135	N00°26'25"W	15.00
L136	N00°26'25"W	101.04



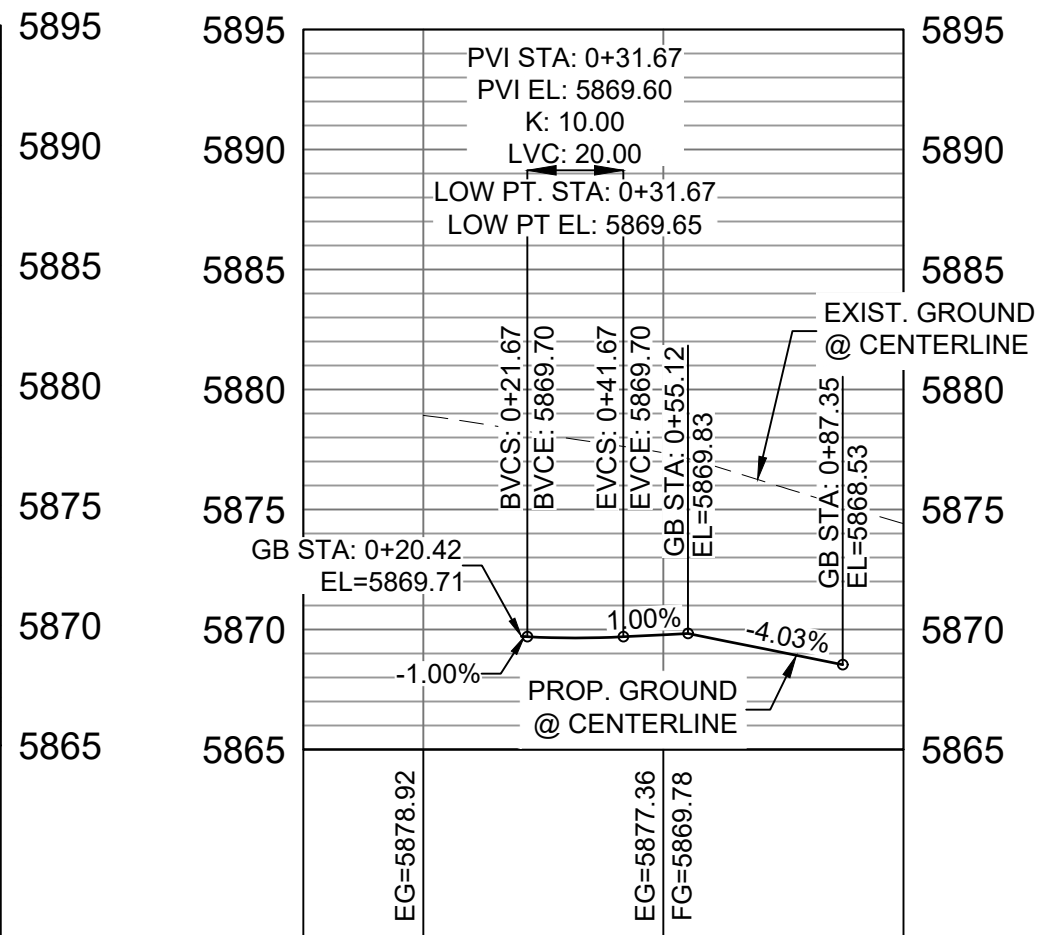
LAZY RIDGE DRIVE CL PROFILE

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



BUFFALO HORN DRIVE /
LAZY RIDGE DRIVE NW FL
CURB RETURN PROFILE

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



BUFFALO HORN DRIVE /
LAZY RIDGE DRIVE NE FL
CURB RETURN PROFILE

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

LINE TABLE		
LINE #	BEARING	DISTANCE
L166	N89°33'35"E	56.80
L167	N84°47'46"E	10.03
L168	N00°26'25"W	20.41
L169	N09°01'19"E	5.07
L170	N00°26'25"W	12.59
L171	S09°54'09"E	5.07
L172	S00°26'25"E	20.41
L173	S85°40'38"E	10.03

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C170	31.42	20.00	90°00'00"
C175	31.42	20.00	90°00'00"

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 1/4
CORNER OF SAID SECTION 9 (3 1/2' AULM. CAP PLS 10377)

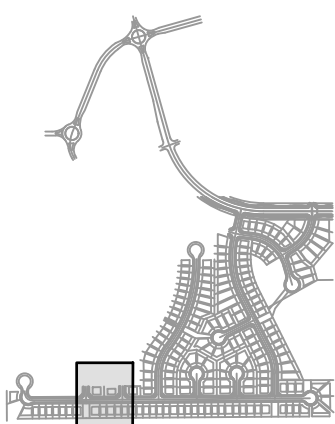
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011\trails at aspen ridge - 11\100 Dwg\104 plan sets\construction plans\road & storm plans\RD01-04.dwg			
CTB FILE: COMM-TECH_D-SIZE_BW.ctb			
PLOT DATE: January 23, 2020 11:24:06 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

DESIGN DATA:

SIDEWALKS: WIDTH 5'
LOCATION: ATTACHED ☒ DETACHED ☐
DESIGN SPEED: 25 MPH
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E
ROW WIDTH 50' FL-FL 32.33'
STREET TYPE RESIDENTIAL

PAVEMENT:
TYPE: HMA ☐ PCC ☐
THICKNESS:
COMPOSITE SECTION:
HMA ☐ BASE ☐

SHEET KEY



REVIEW:

STREET DESIGN:
CURB & GUTTER REVIEW _____ DATE: _____
FINAL REVIEW _____ DATE: _____
DRAINAGE DESIGN:
BY: _____ DATE: _____
TRAFFIC DESIGN:
BY: _____ DATE: _____

"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.

PREPARED BY:



SEAL



FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE

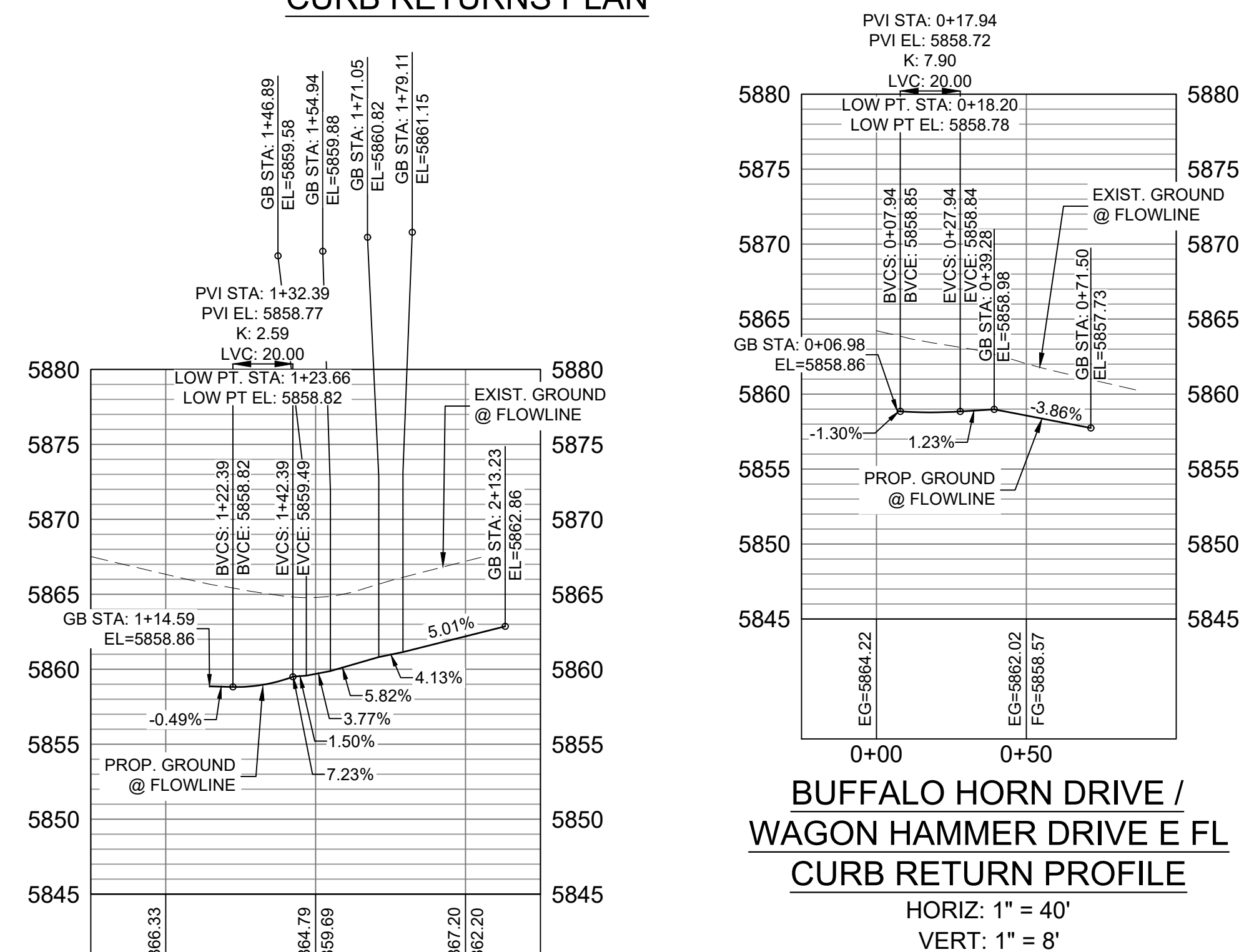
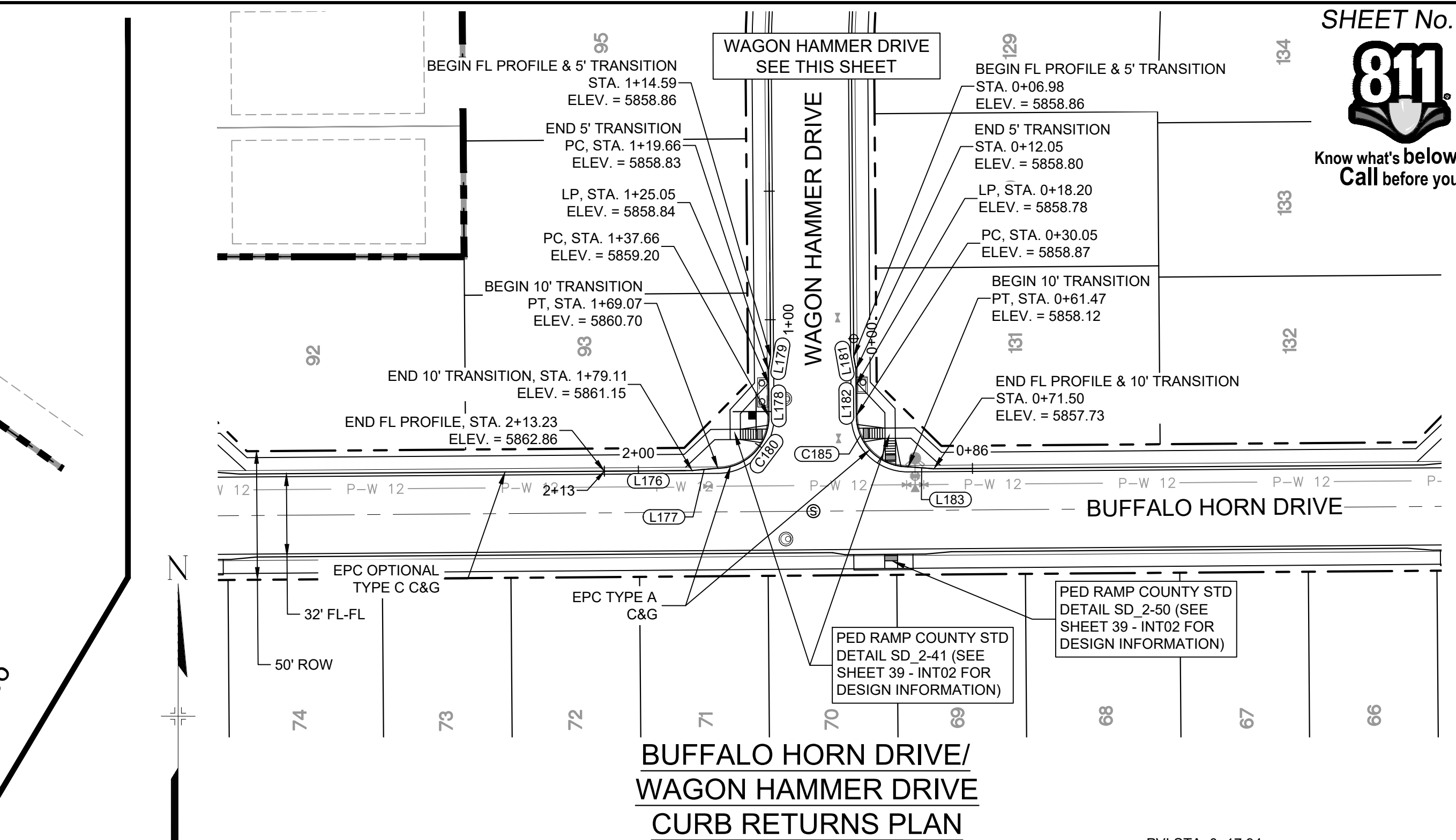
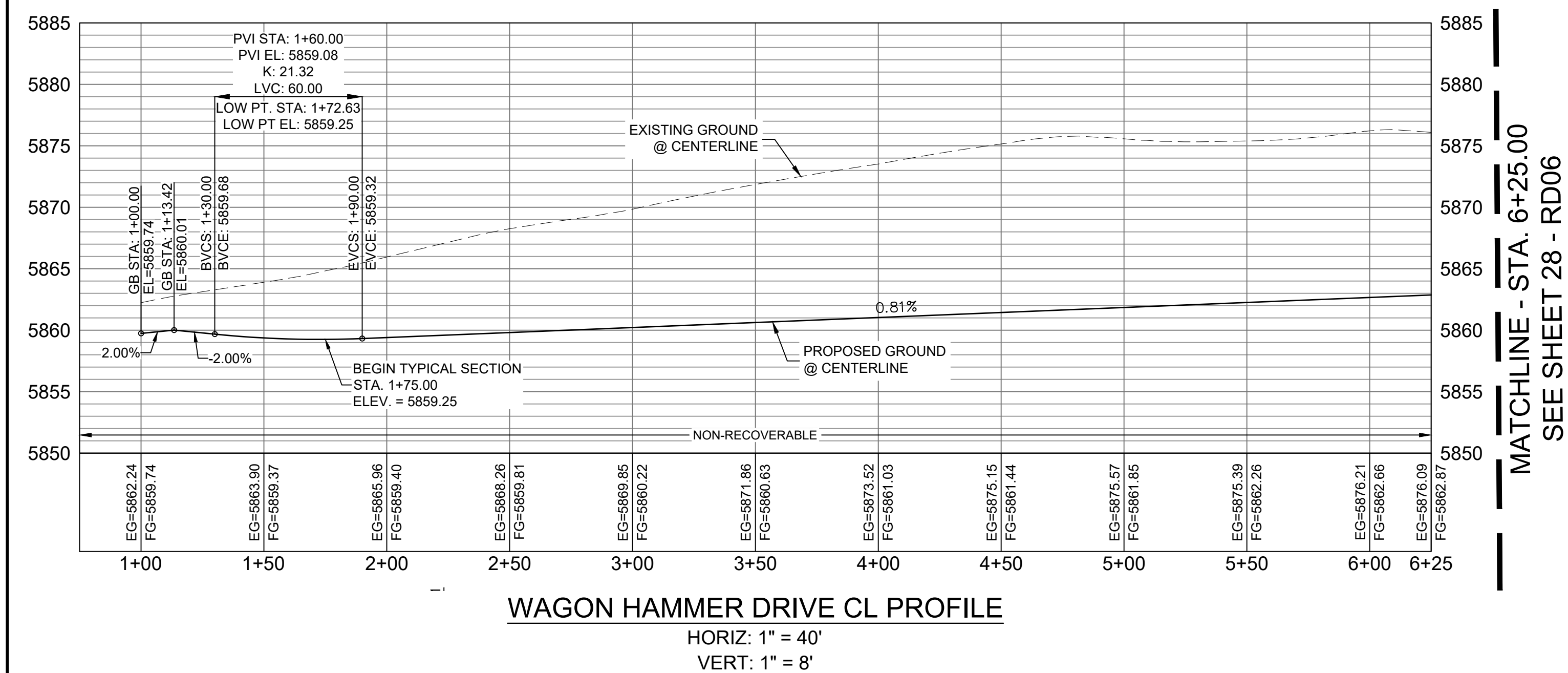
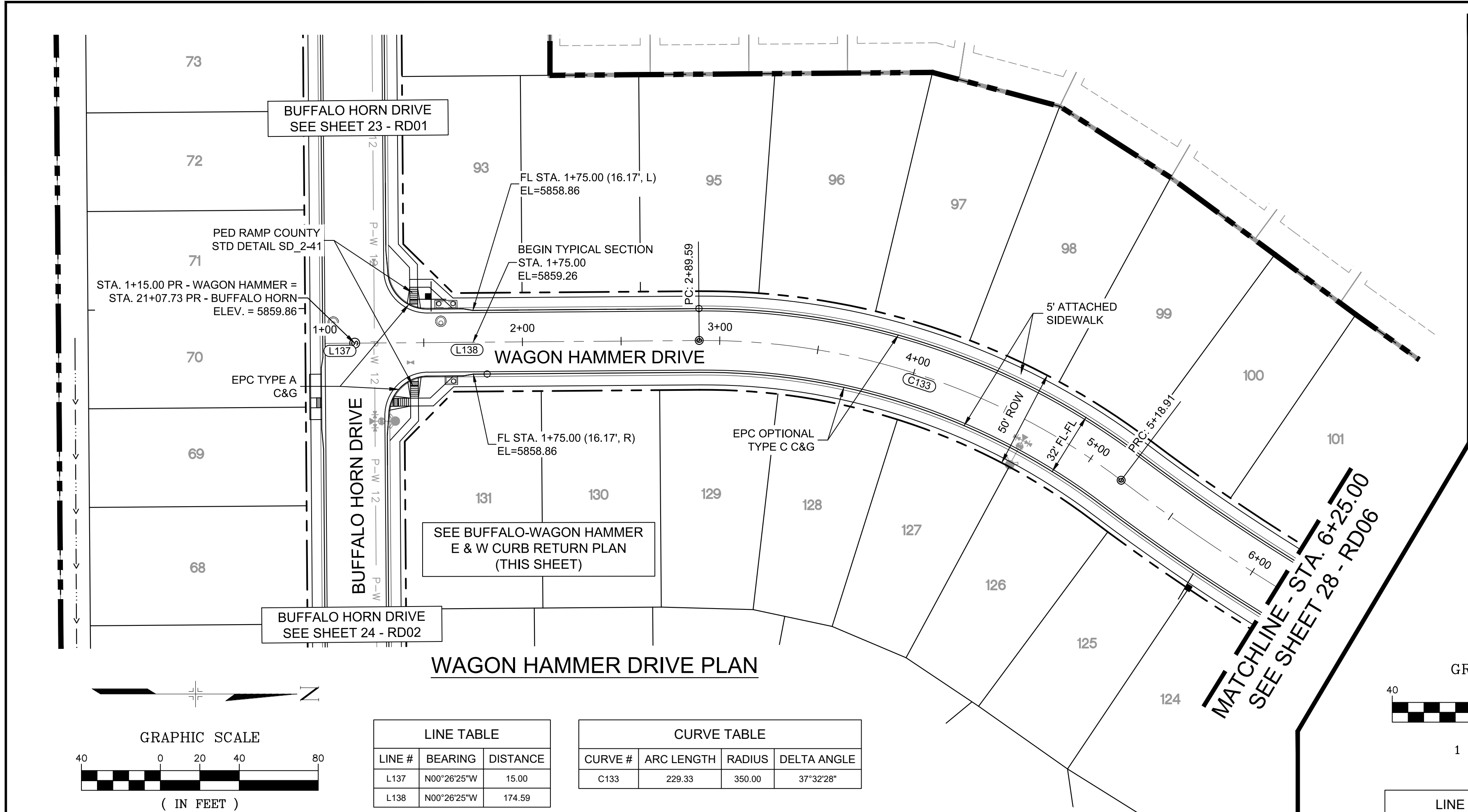
FILING NO. 1
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

ROADWAY PLAN & PROFILE

DESIGNED BY: NMS SCALE: 1"=40' DATE ISSUED: SEPTEMBER, 2019 DRAWING No. RD04
DRAWN BY: TJC HORIZ: 1"=40' SHEET 26 OF 73
CHECKED BY: NMS VERT: 1"=8'

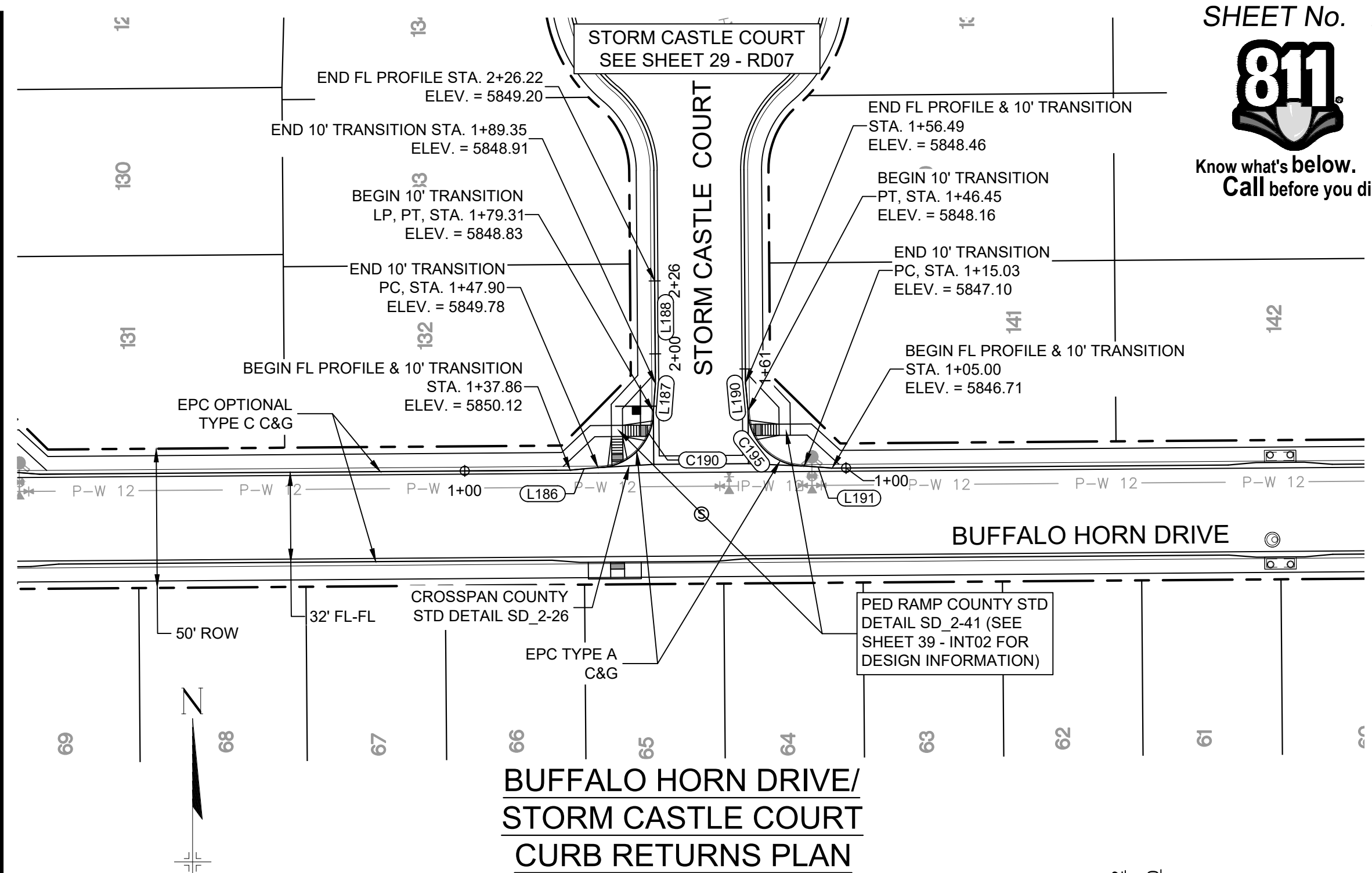
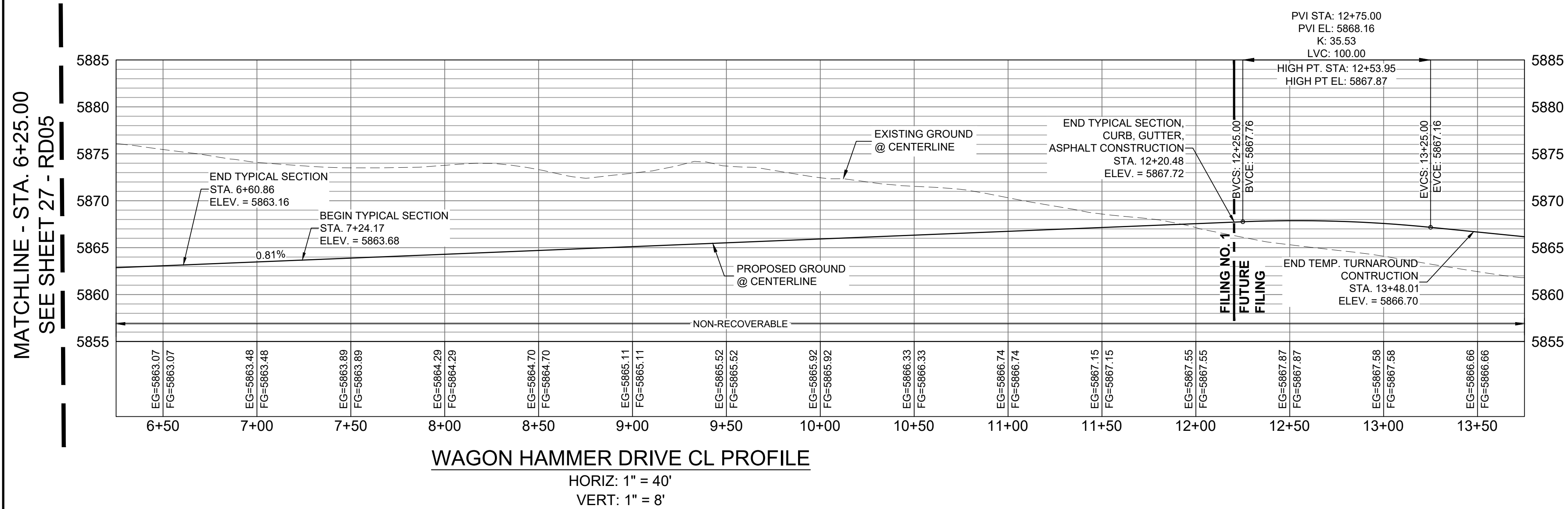
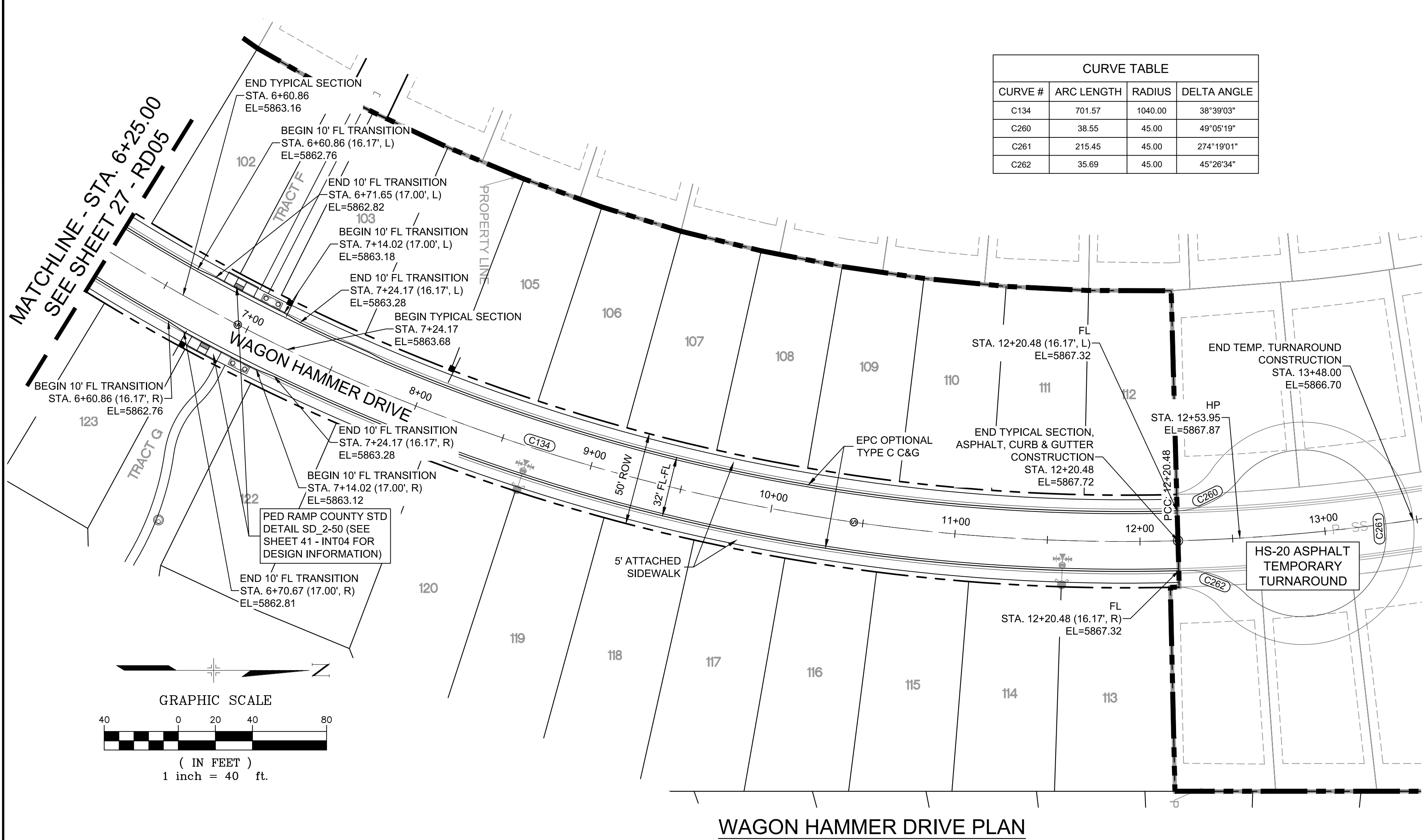


Know what's below.
Call before you dig.



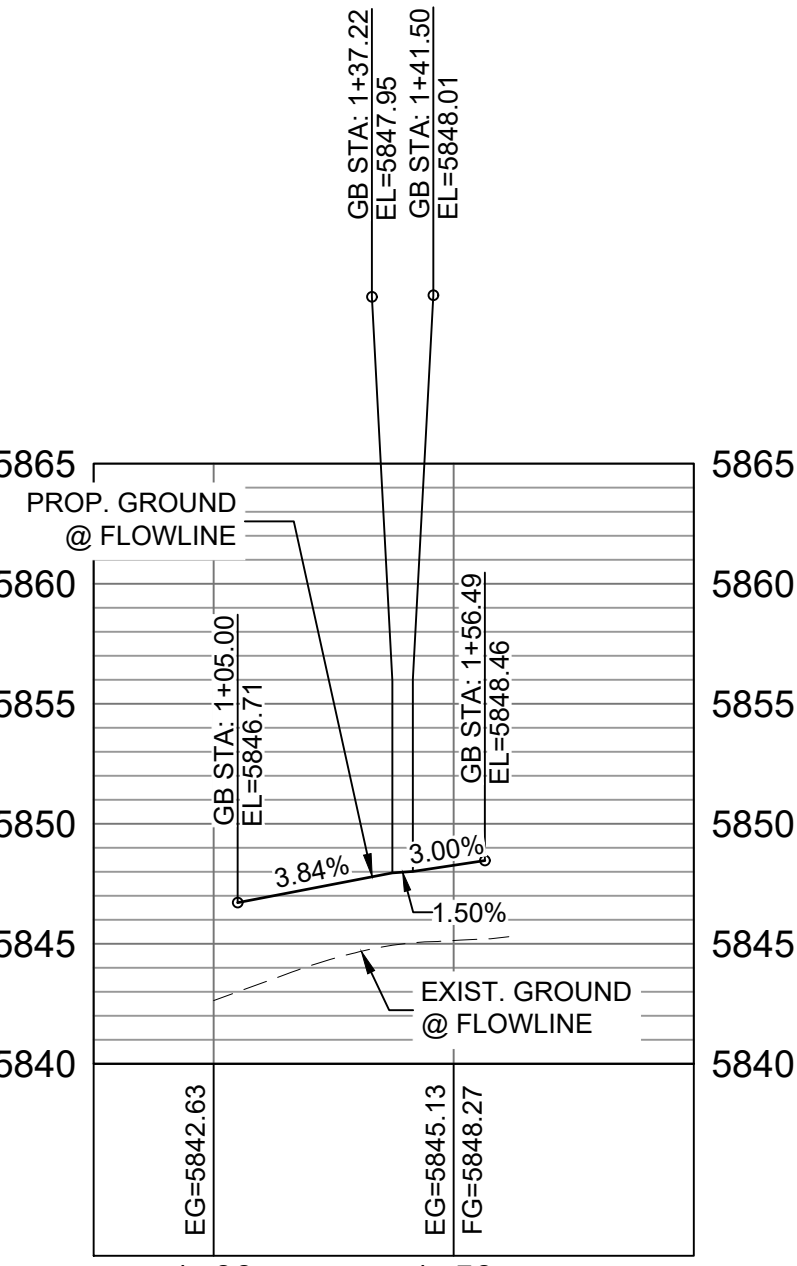
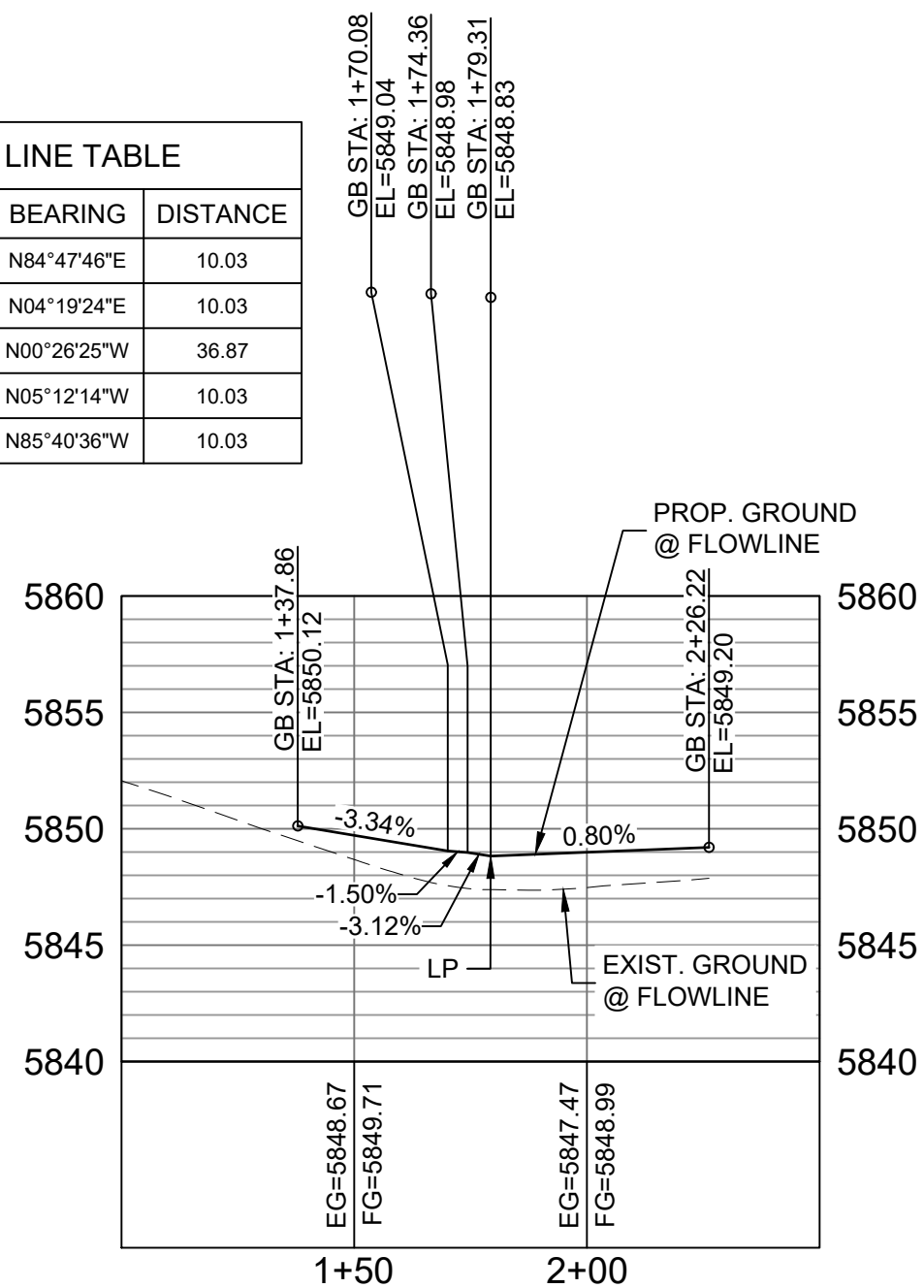


Know what's below.
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CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C190	31.42	20.00	90°00'00"
C195	31.42	20.00	90°00'00"

LINE TABLE		
LINE #	BEARING	DISTANCE
L186	N84°47'46"E	10.03
L187	N04°19'24"E	10.03
L188	N00°26'25"W	36.87
L190	N05°12'14"W	10.03
L191	N85°40'36"W	10.03



BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERTSEN 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

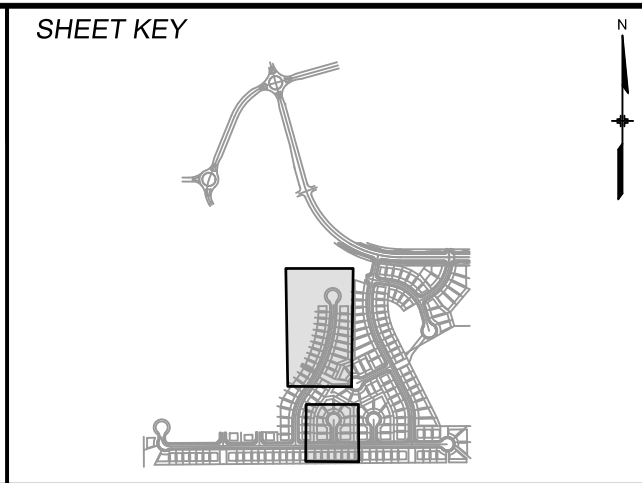
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/2' AULM. CAP PLS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

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\RD05-08.dwg			
CTB FILE: COMM-TECH_D-SIZE_BW.ctb			
PLOT DATE: January 23, 2020 11:25:25 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

DESIGN DATA:
SIDEWALKS: WIDTH 5'
LOCATION: ATTACHED ☒ DETACHED ☐
DESIGN SPEED: 25 MPH
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E
ROW WIDTH 50' FL-FL 32.33'
STREET TYPE RESIDENTIAL

PAVEMENT:
TYPE: HMA ☐ PCC ☐
THICKNESS:

COMPOSITE SECTION:
HMA ☐ BASE



REVIEW:
STREET DESIGN: _____ DATE: _____
CURB & GUTTER REVIEW _____ DATE: _____
FINAL REVIEW _____ DATE: _____
DRAINAGE DESIGN: _____ DATE: _____
BY: _____
TRAFFIC DESIGN: _____ DATE: _____
BY: _____

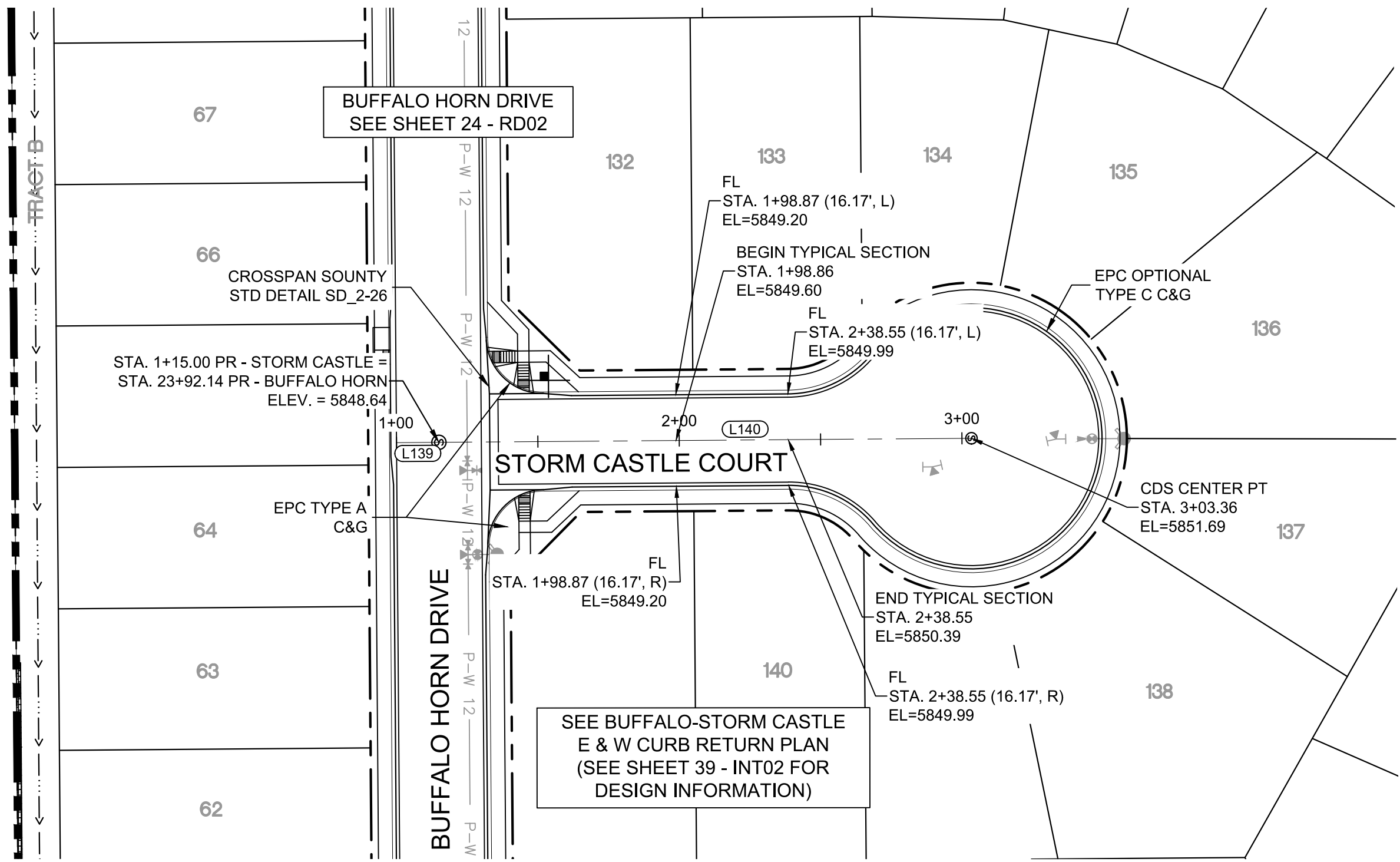
"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended."



TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
ROADWAY PLAN & PROFILE			
DESIGNED BY: NMS	SCALE: 1"=40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RD06
DRAWN BY: TJC	HORIZ. 1"=40'		
CHECKED BY: NMS	VERT. 1"=8'	SHEET 28 OF 73	

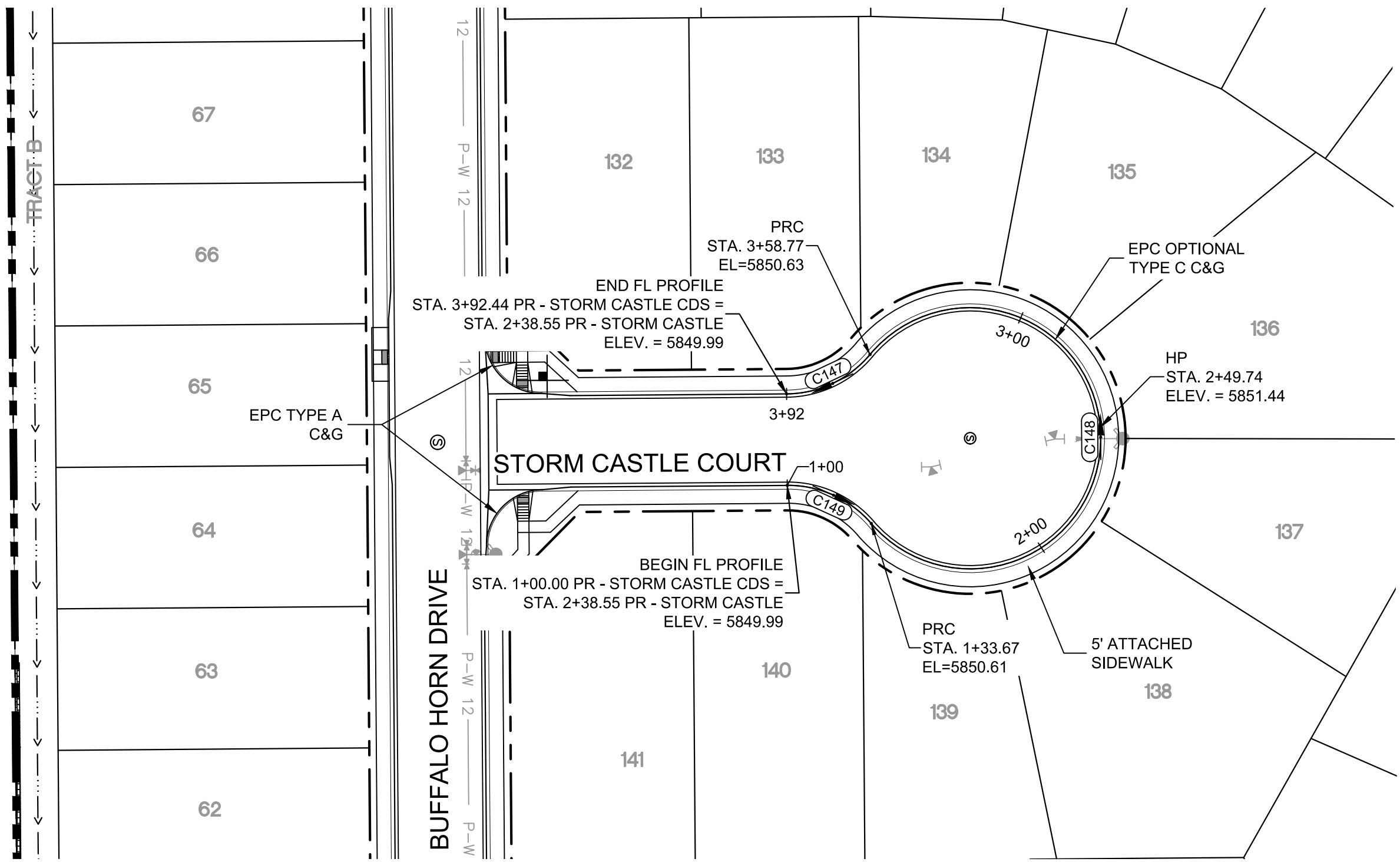


Know what's below.
Call before you dig.



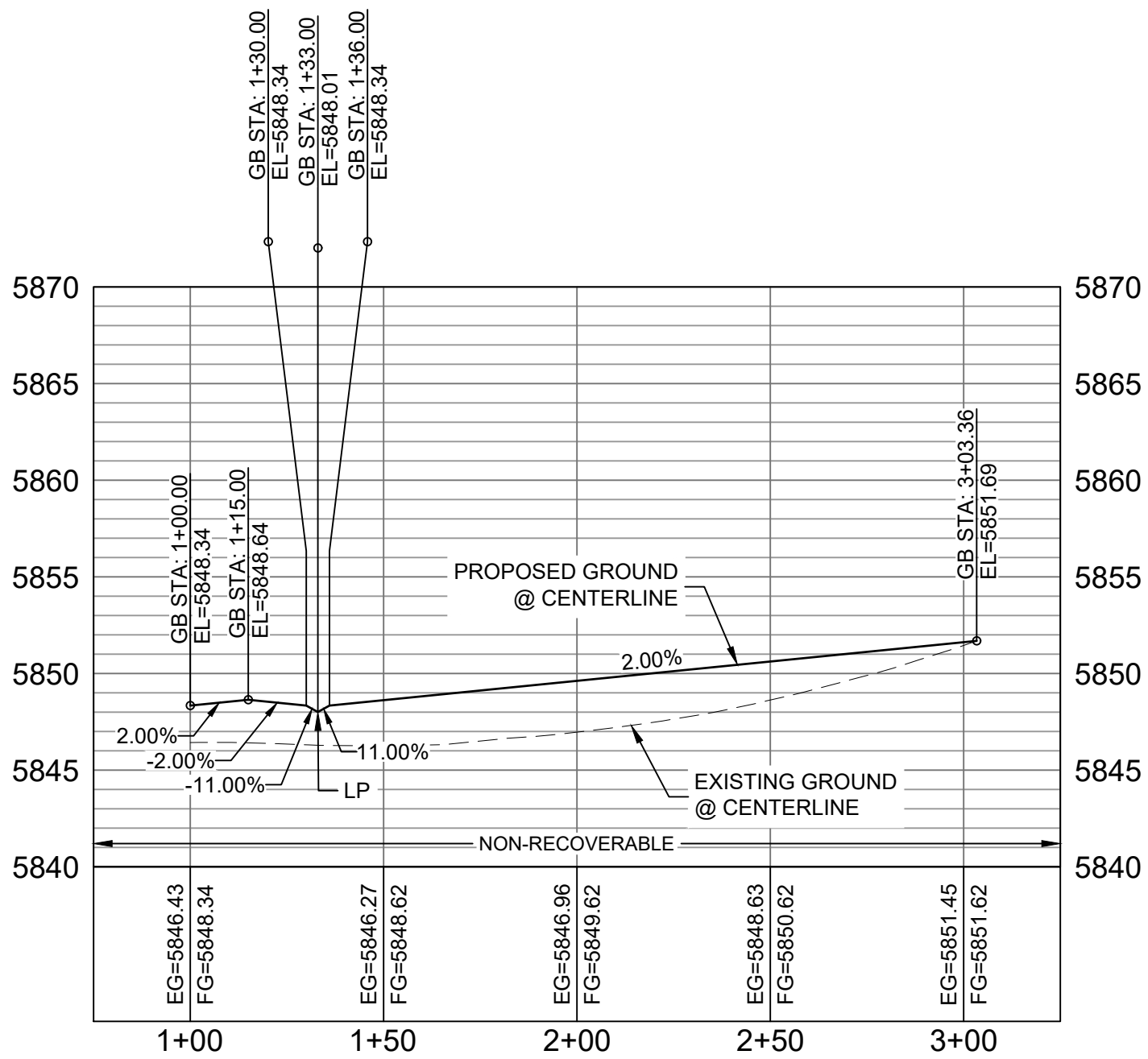
STORM CASTLE COURT PLAN

LINE TABLE		
LINE #	BEARING	DISTANCE
L139	N00°26'25"W	15.00
L140	N00°26'25"W	188.36



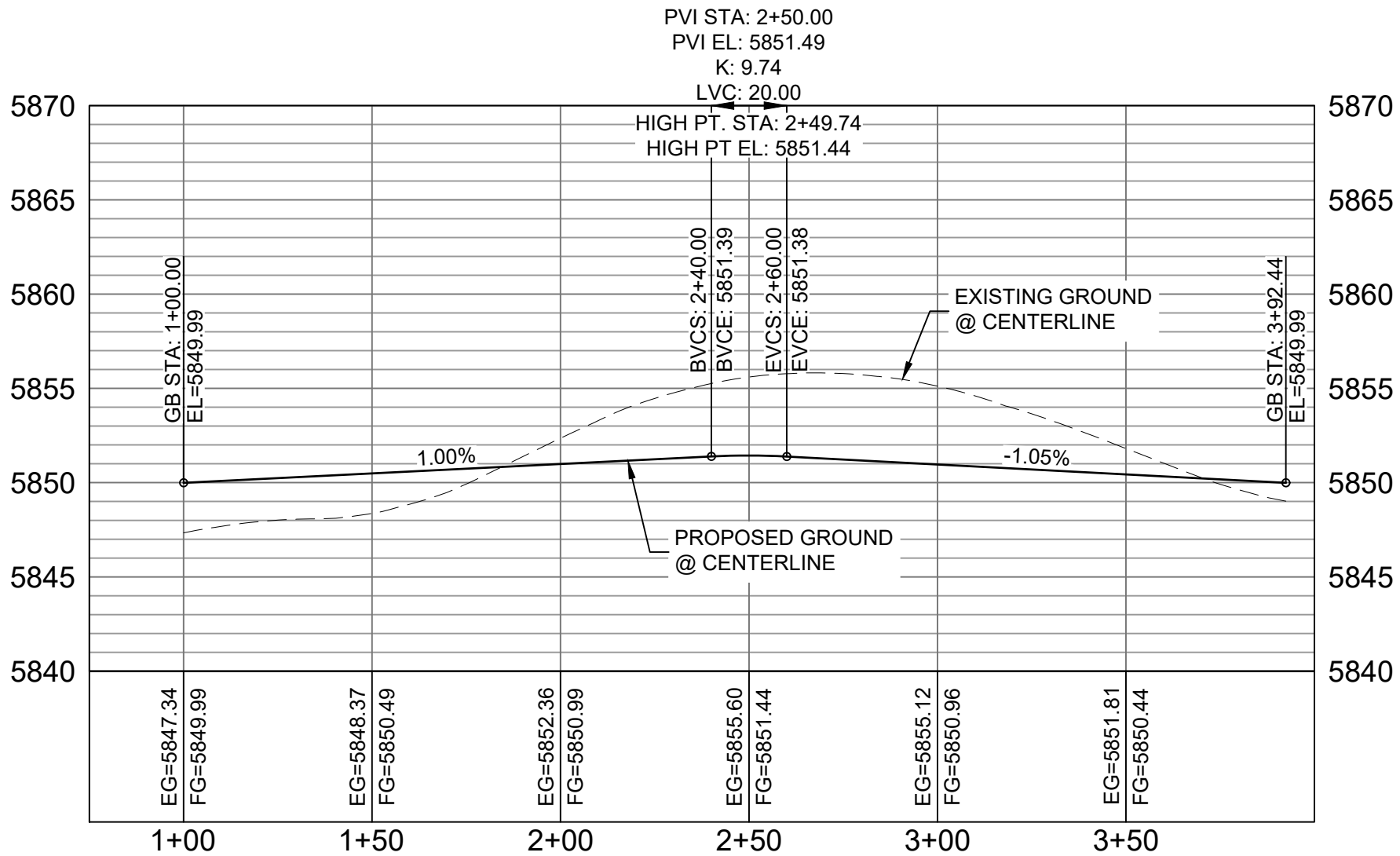
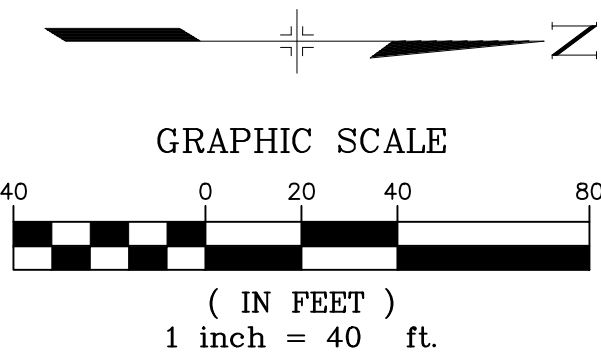
STORM CASTLE COURT CDS PLAN

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C147	33.67	38.83	49°40'47"
C148	225.10	46.17	279°21'34"
C149	33.67	38.83	49°40'47"



STORM CASTLE COURT CL PROFILE

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



STORM CASTLE COURT CDS FL PROFILE

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

BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERTSEN 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 1/4
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

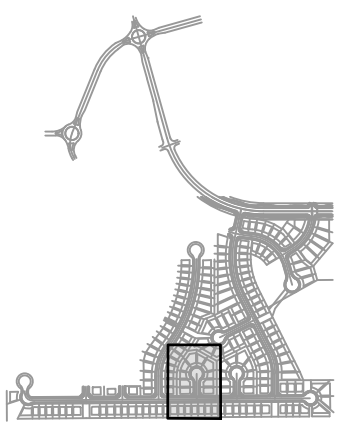
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - 11)\100 Dwg\104 plan sets\construction plans\road & storm plans\RD05-08.dwg			
CTB FILE: COMM-TECH_D-SIZE_BW.ctb			
PLOT DATE: January 23, 2020 11:25:33 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

DESIGN DATA:

SIDEWALKS: WIDTH 5'
LOCATION: ATTACHED ☒ DETACHED ☐
DESIGN SPEED: 25 MPH
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E
ROW WIDTH 50' FL-FL 32.33'
STREET TYPE RESIDENTIAL

PAVEMENT:
TYPE: HMA ☐ PCC ☐
THICKNESS:
COMPOSITE SECTION:
HMA ☐ BASE ☐

SHEET KEY



REVIEW:

STREET DESIGN:
CURB & GUTTER REVIEW _____ DATE: _____
FINAL REVIEW _____ DATE: _____
DRAINAGE DESIGN:
BY: _____ DATE: _____
TRAFFIC DESIGN:
BY: _____ DATE: _____

"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.

PREPARED BY:



SEAL



FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE

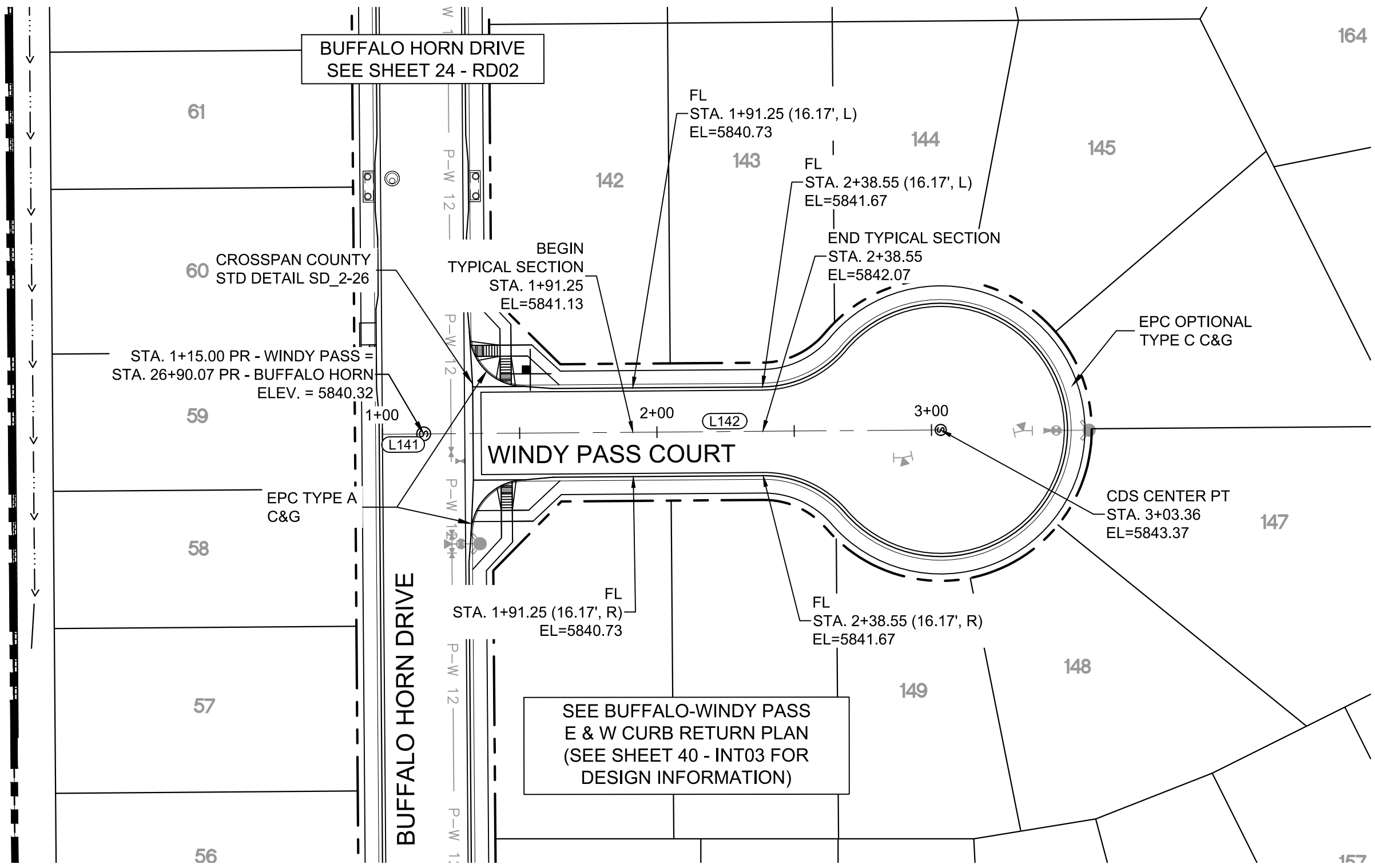
FILING NO. 1
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

ROADWAY PLAN & PROFILE

DESIGNED BY: NMS	SCALE: 1"=40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RD07
CHECKED BY: NMS	VERT. 1"=8'	SHEET 29 OF 73	

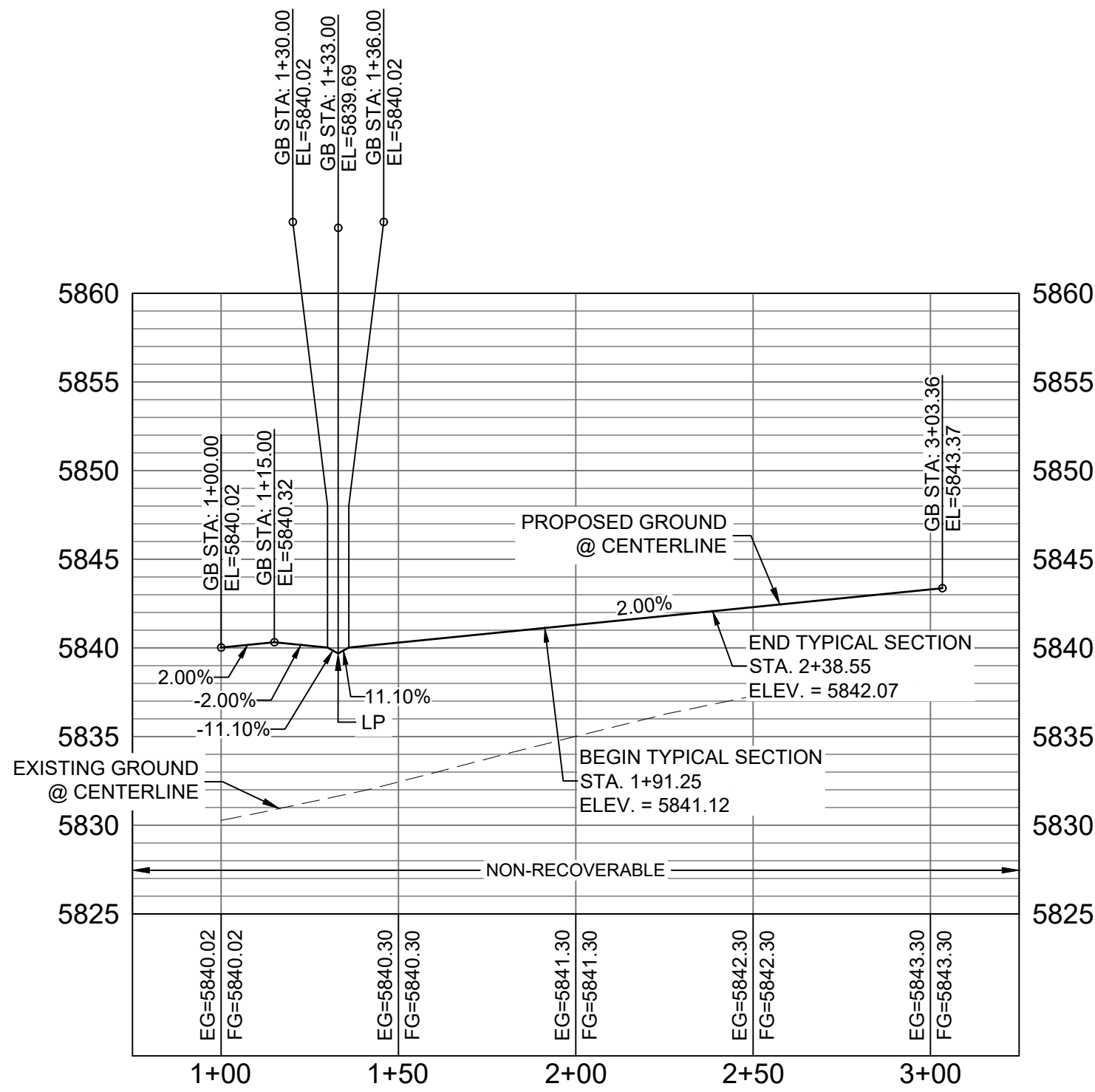


Know what's below.
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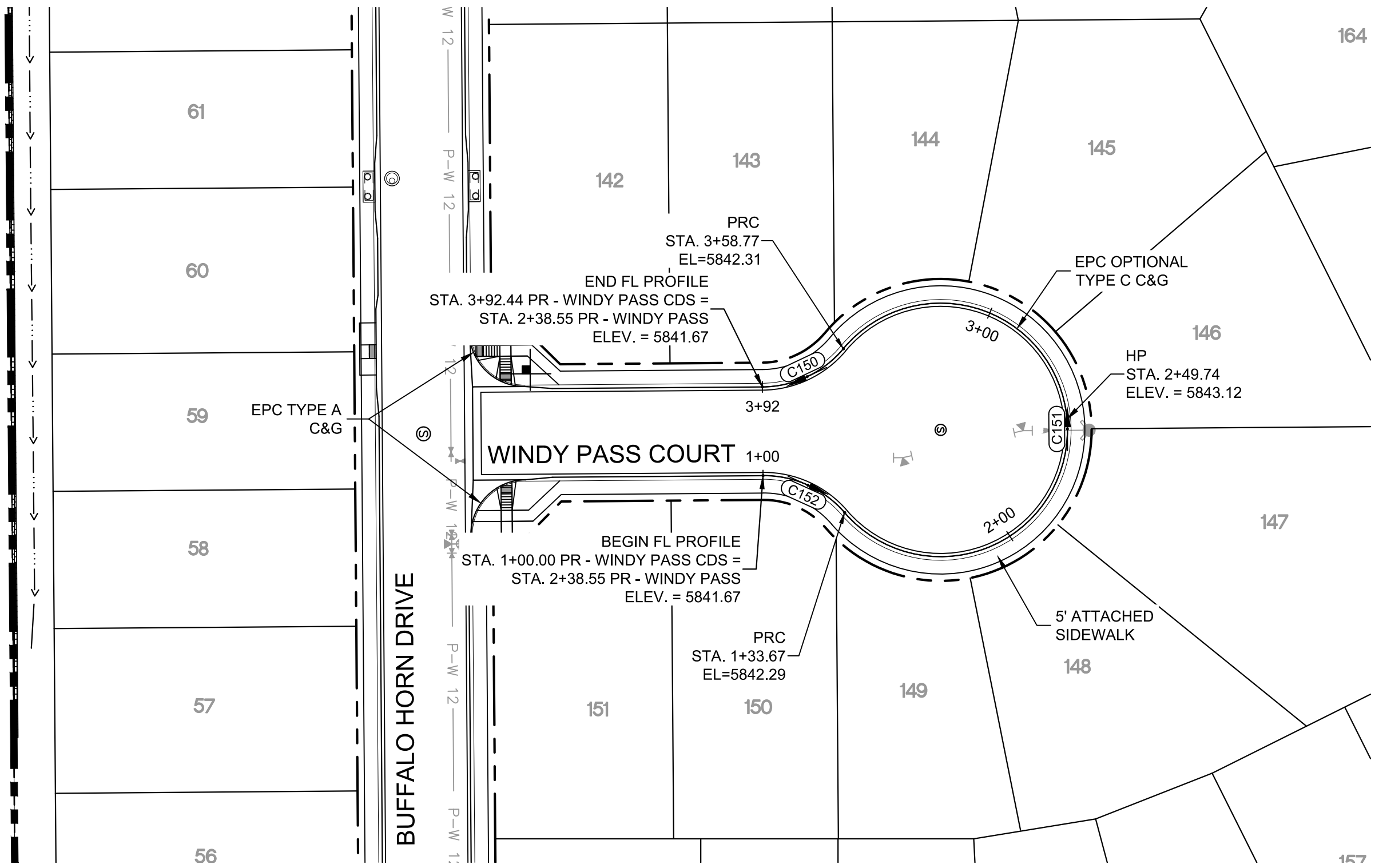
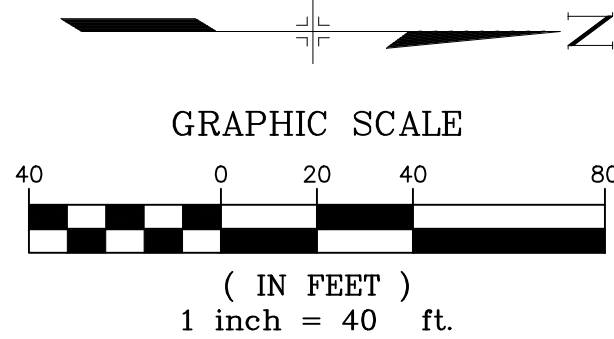
WINDY PASS COURT PLAN

LINE TABLE		
LINE #	BEARING	DISTANCE
L141	N00°26'25"W	15.00
L142	N00°26'25"W	188.36



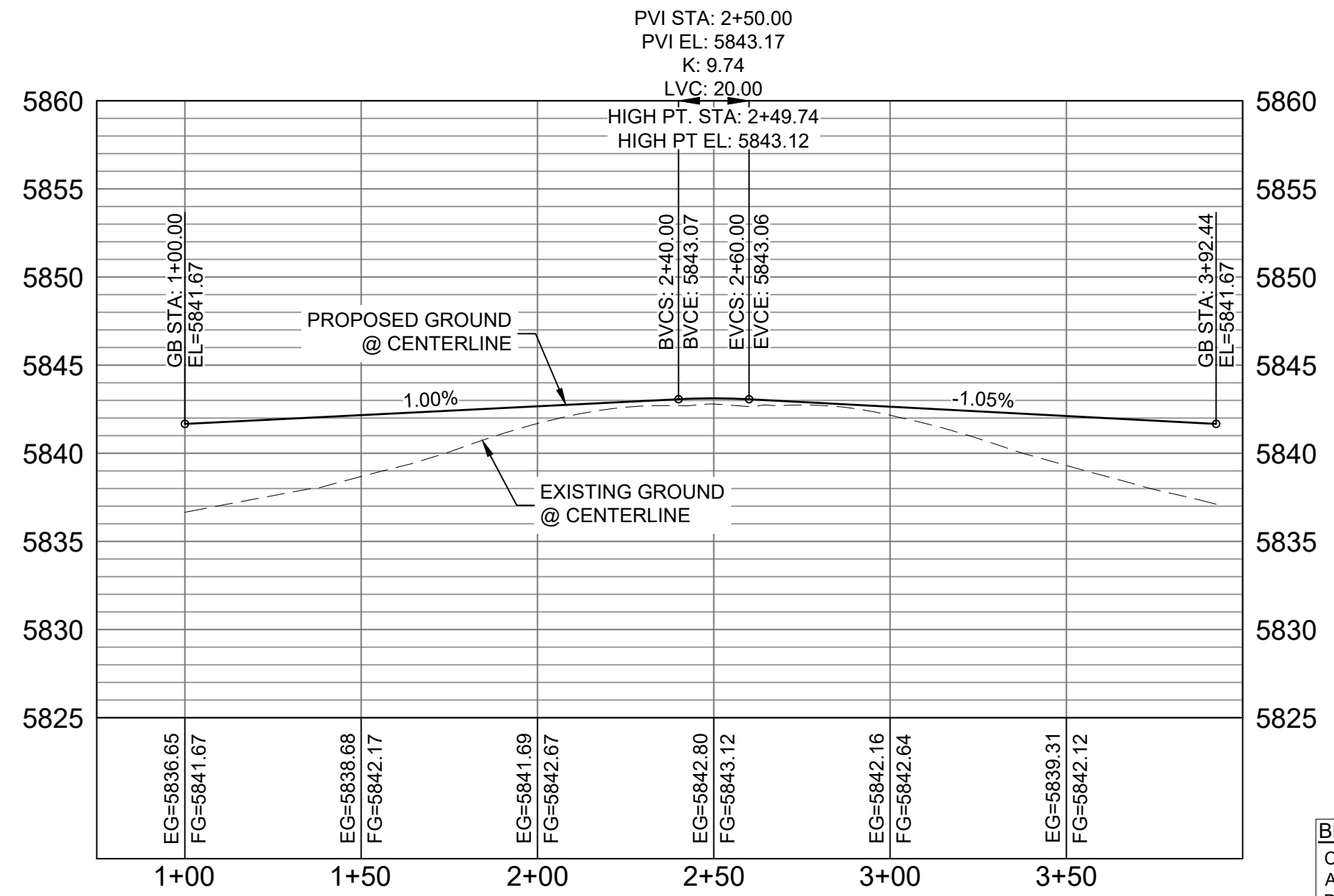
WINDY PASS COURT CL PROFILE

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



WINDY PASS COURT CDS PLAN

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C150	33.67	38.83	49°40'47"
C151	225.10	46.17	279°21'34"
C152	33.67	38.83	49°40'47"



WINDY PASS COURT CDS CL PROFILE

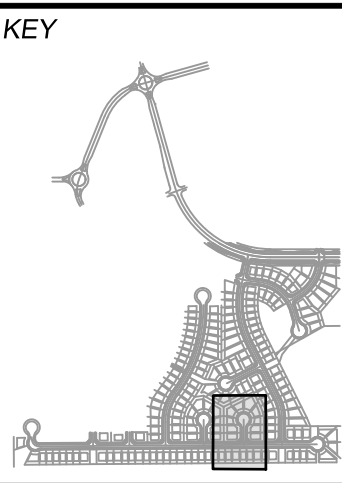
HORIZ: 1" = 40'
VERT: 1" = 8'

BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERTSEN 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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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 1/4
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
REVISIONS			
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\RD05-08.dwg			
CTB FILE: COMM-TECH_D-SIZE_BW.ctb			
PLOT DATE: January 23, 2020 11:25:40 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

DESIGN DATA:
SIDEWALKS: WIDTH 5'
LOCATION: ATTACHED ☒ DETACHED ☐
DESIGN SPEED: 25 MPH
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E
ROW WIDTH 50' FL-FL 32.33'
STREET TYPE RESIDENTIAL
PAVEMENT: TYPE: HMA ☐ PCC ☐
THICKNESS:
COMPOSITE SECTION: HMA ☐ BASE ☐

SHEET KEY



REVIEW:
STREET DESIGN:
CURB & GUTTER REVIEW _____ DATE: _____
FINAL REVIEW _____ DATE: _____
DRAINAGE DESIGN:
BY: _____ DATE: _____
TRAFFIC DESIGN:
BY: _____ DATE: _____

"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.

PREPARED BY:



SEAL



FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

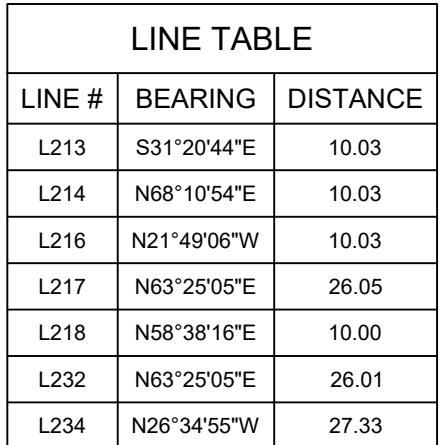
TRAILS AT ASPEN RIDGE

FILING NO. 1
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

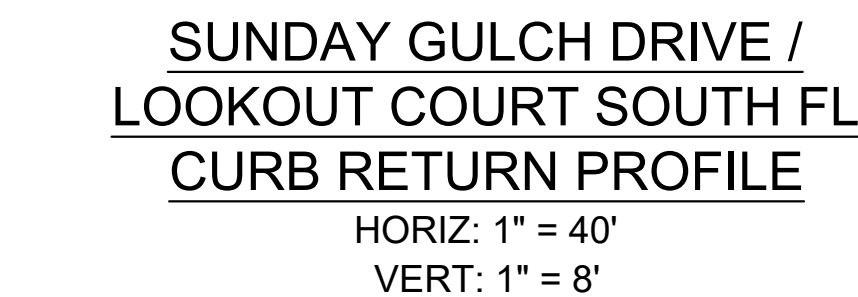
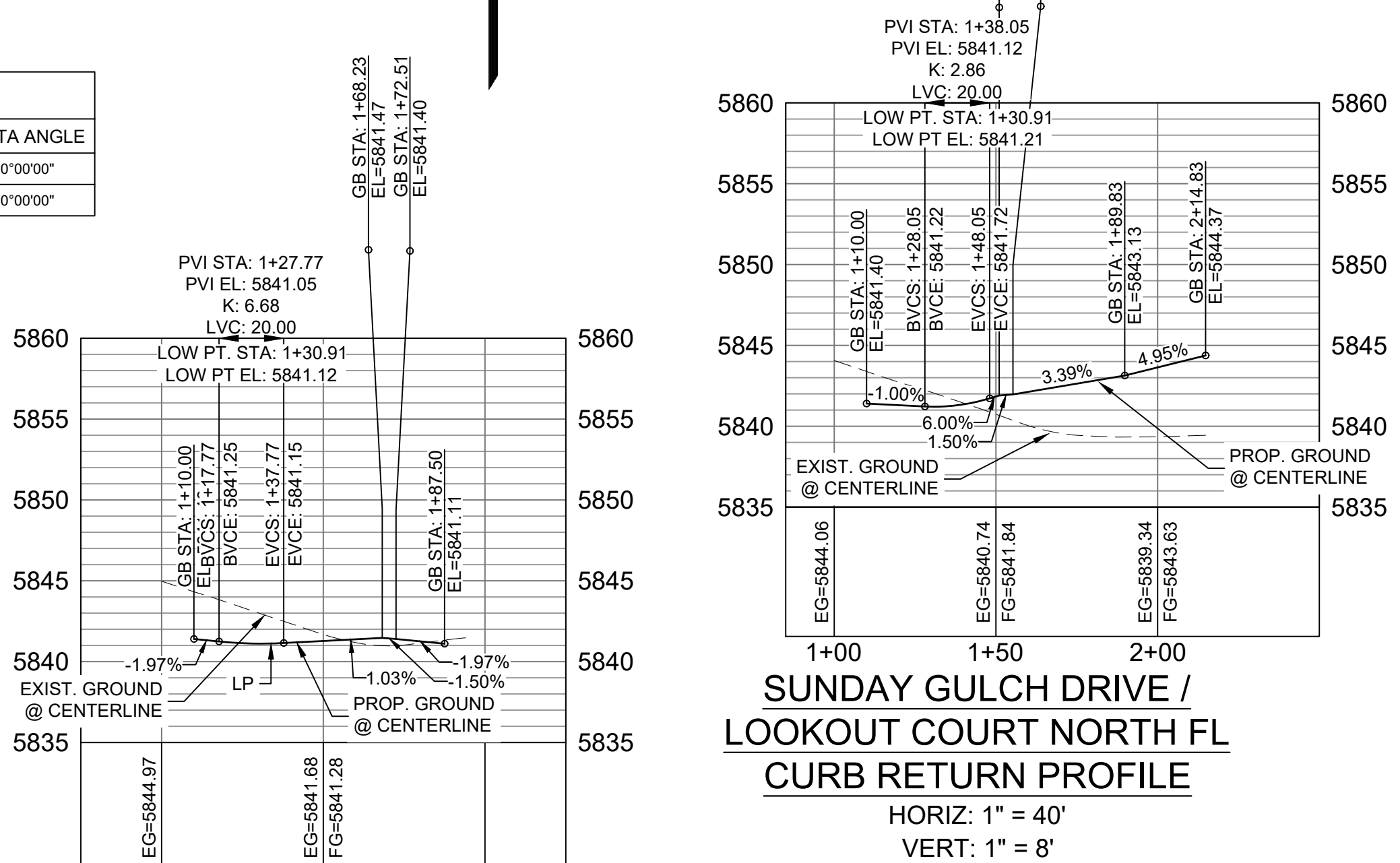
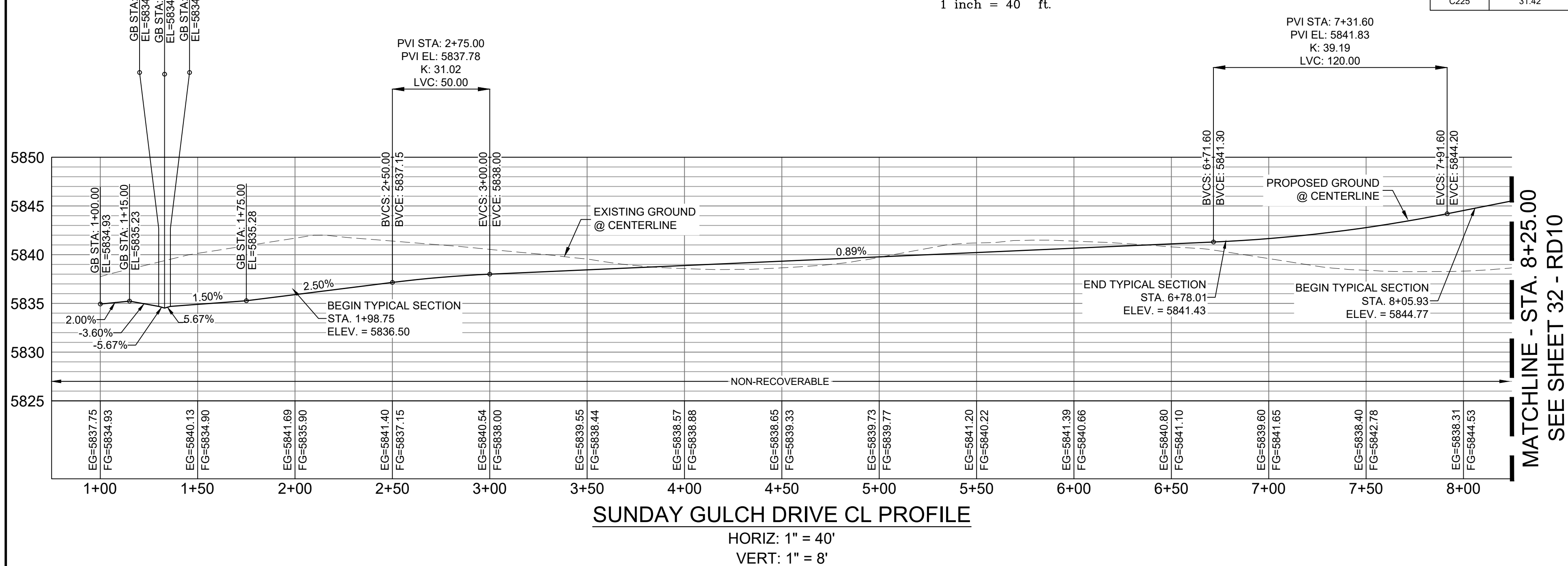
ROADWAY PLAN & PROFILE

DESIGNED BY: NMS	SCALE: 1"=40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RD08
CHECKED BY: NMS	HORIZ: 1"=8'	SHEET 30 OF 73	

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C135	162.38	350.00	26°34'55"



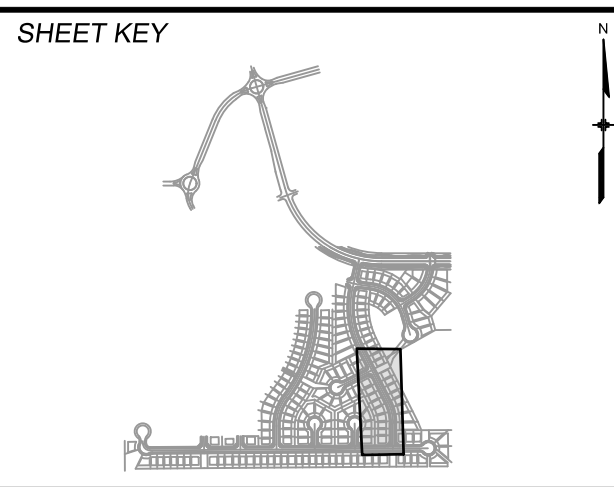
CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C220	31.42	20.00	90°00'00"
C225	31.42	20.00	90°00'00"



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

DESIGN DATA:	
SIDEWALKS: WIDTH <u>5'</u>	PAVEMENT:
LOCATION: ATTACHED <input checked="" type="checkbox"/>	TYPE: HMA <input type="checkbox"/> PCC <input type="checkbox"/>
DETACHED <input type="checkbox"/>	THICKNESS: _____
DESIGN SPEED: 25 MPH	
CURB TYPE <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E	COMPOSITE SECTION:
ROW WIDTH <u>50'</u> FL-FL <u>32.3'</u>	HMA _____ BASE _____
STREET TYPE <u>RESIDENTIAL</u>	



REVIEW: _____

STREET DESIGN: _____

CURB & GUTTER REVIEW _____ DATE: _____

FINAL REVIEW _____ DATE: _____

DRAINAGE DESIGN: _____

BY: _____ DATE: _____

TRAFFIC DESIGN: _____

BY: _____ DATE: _____

"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.

PREPARED BY:



FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE

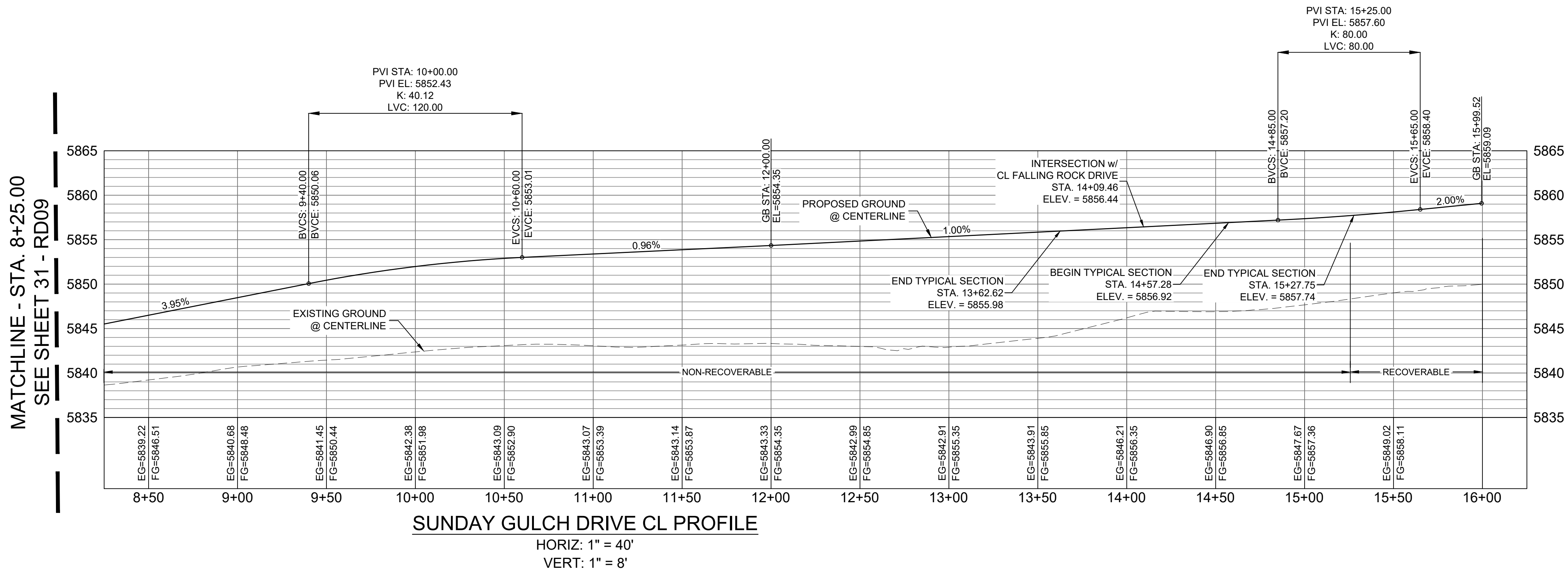
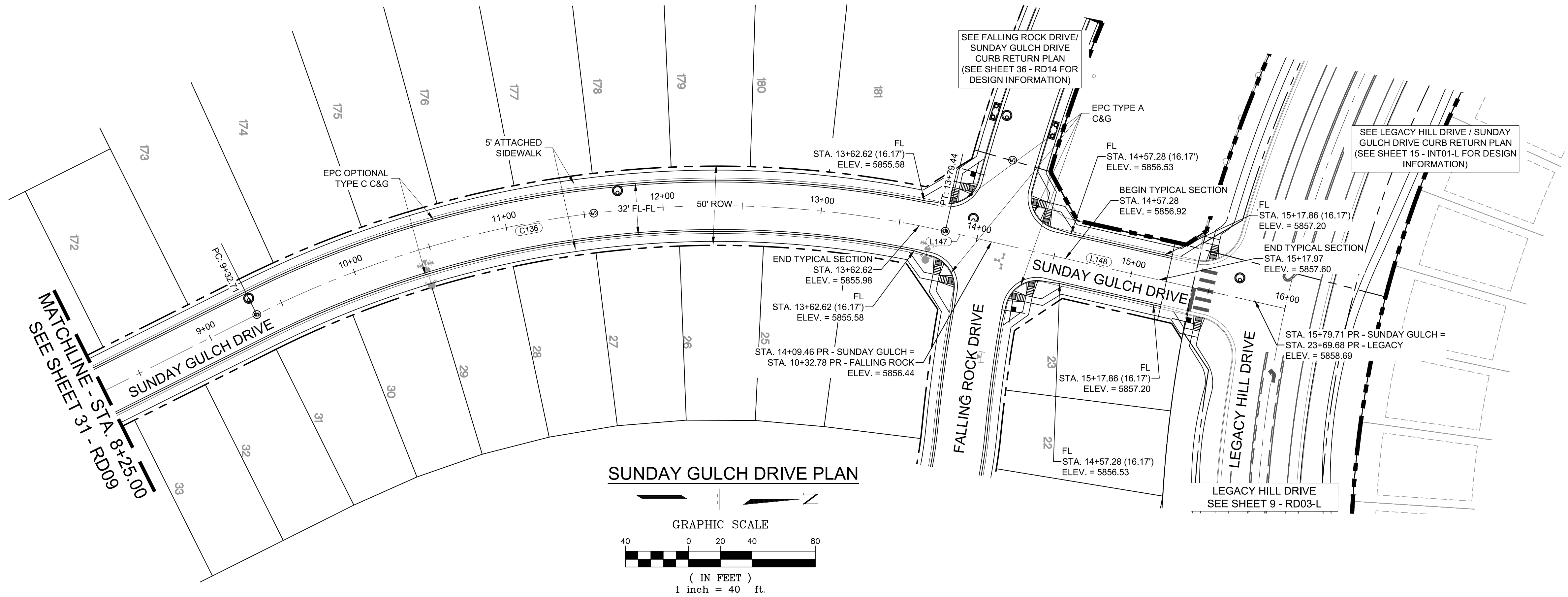
FILING NO. 1
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

ROADWAY PLAN & PROFILE

DESIGNED BY:	NMS	SCALE	DATE ISSUED:	SEPTEMBER, 2019	DRAWING No. RD09
DRAWN BY:	TJC	HORIZ. 1"=40'	SHEET	31 OF 73	
CHECKED BY:	NMS	VERT. 1"=8'			



Know what's below.
Call before you dig.



LINE TABLE		
LINE #	BEARING	DISTANCE
L147	N12°47'44"E	30.03
L148	N12°47'44"E	190.06

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C136	446.72	650.00	39°22'39"

BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERTSEN 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 1/4 CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

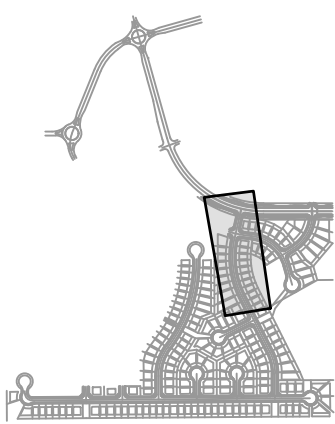
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\RD09-12.dwg			
PLOT DATE: January 23, 2020 11:27:02 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

DESIGN DATA:
SIDEWALKS: WIDTH 5'
LOCATION: ATTACHED ☒ DETACHED ☐
DESIGN SPEED: 25 MPH
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E
ROW WIDTH 50' FL-FL 32.33'
STREET TYPE RESIDENTIAL

PAVEMENT: TYPE: HMA ☐ PCC ☐ THICKNESS: _____

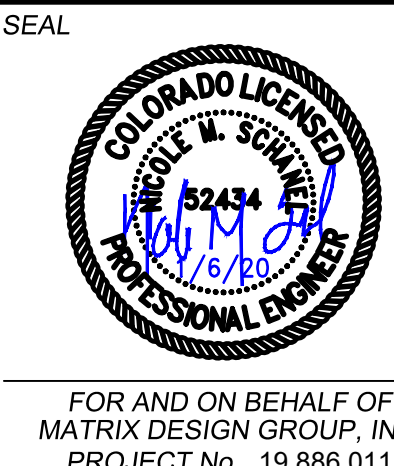
COMPOSITE SECTION: HMA _____ BASE _____

SHEET KEY

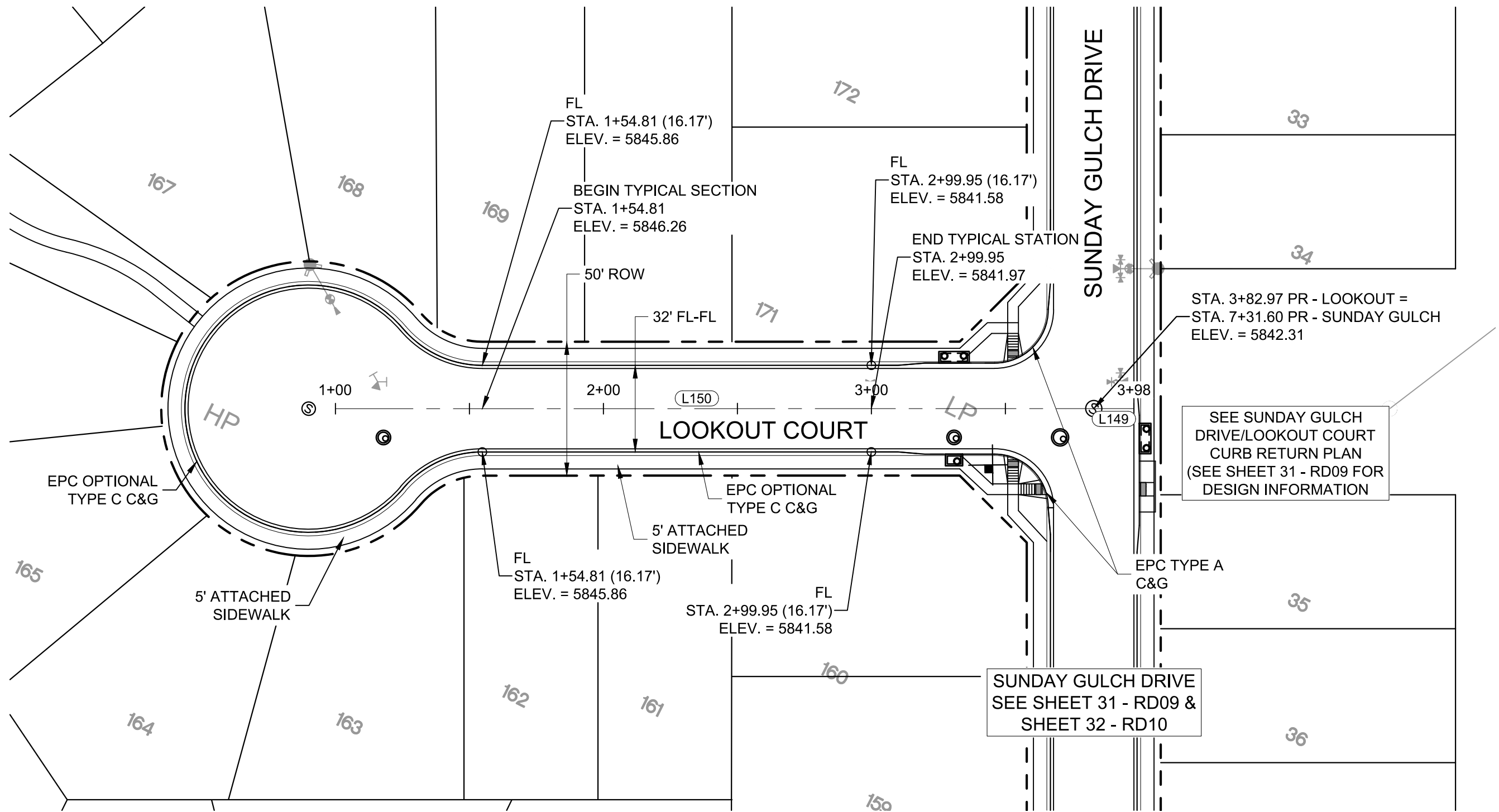


REVIEW:
STREET DESIGN:
CURB & GUTTER REVIEW _____ DATE: _____
FINAL REVIEW _____ DATE: _____
DRAINAGE DESIGN:
BY: _____ DATE: _____
TRAFFIC DESIGN:
BY: _____ DATE: _____

"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended."

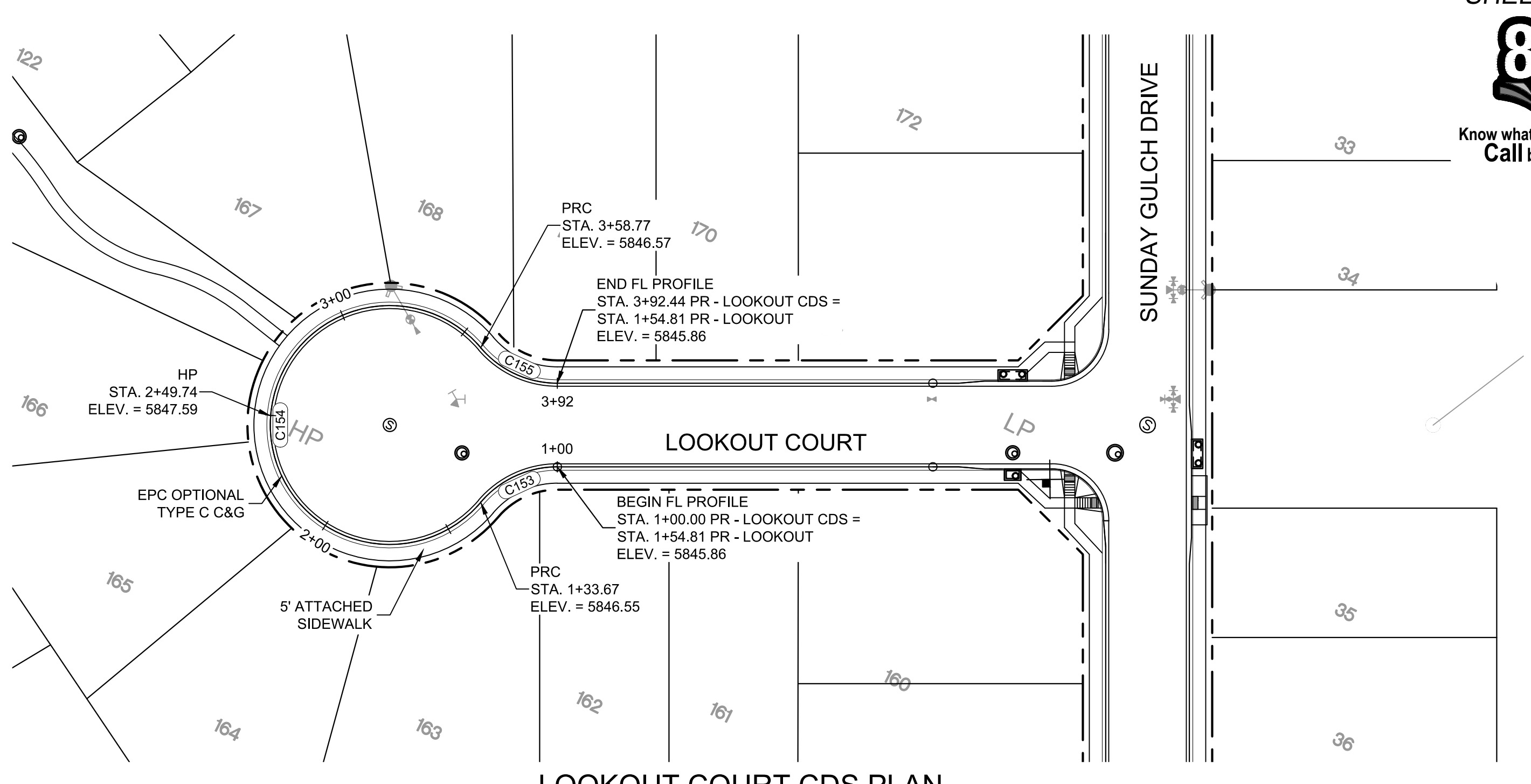


TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
ROADWAY PLAN & PROFILE			
DESIGNED BY: NMS	SCALE: 1"=40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RD10
CHECKED BY: NMS	VERT. 1"=8'	SHEET 32 OF 73	



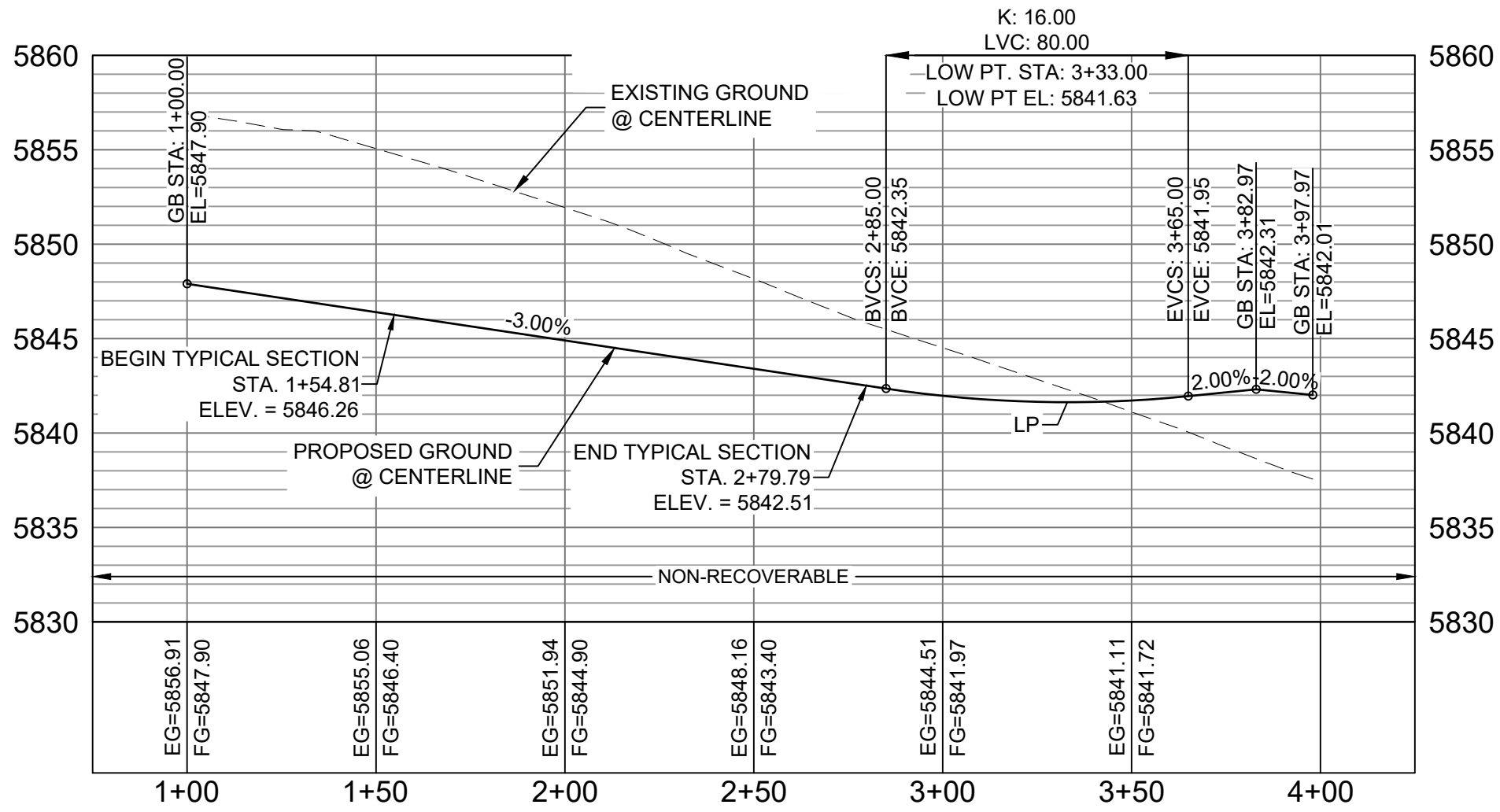
LOOKOUT COURT PLAN

LINE TABLE		
LINE #	BEARING	DISTANCE
L149	N63°25'05"E	15.00
L150	N63°25'05"E	282.97



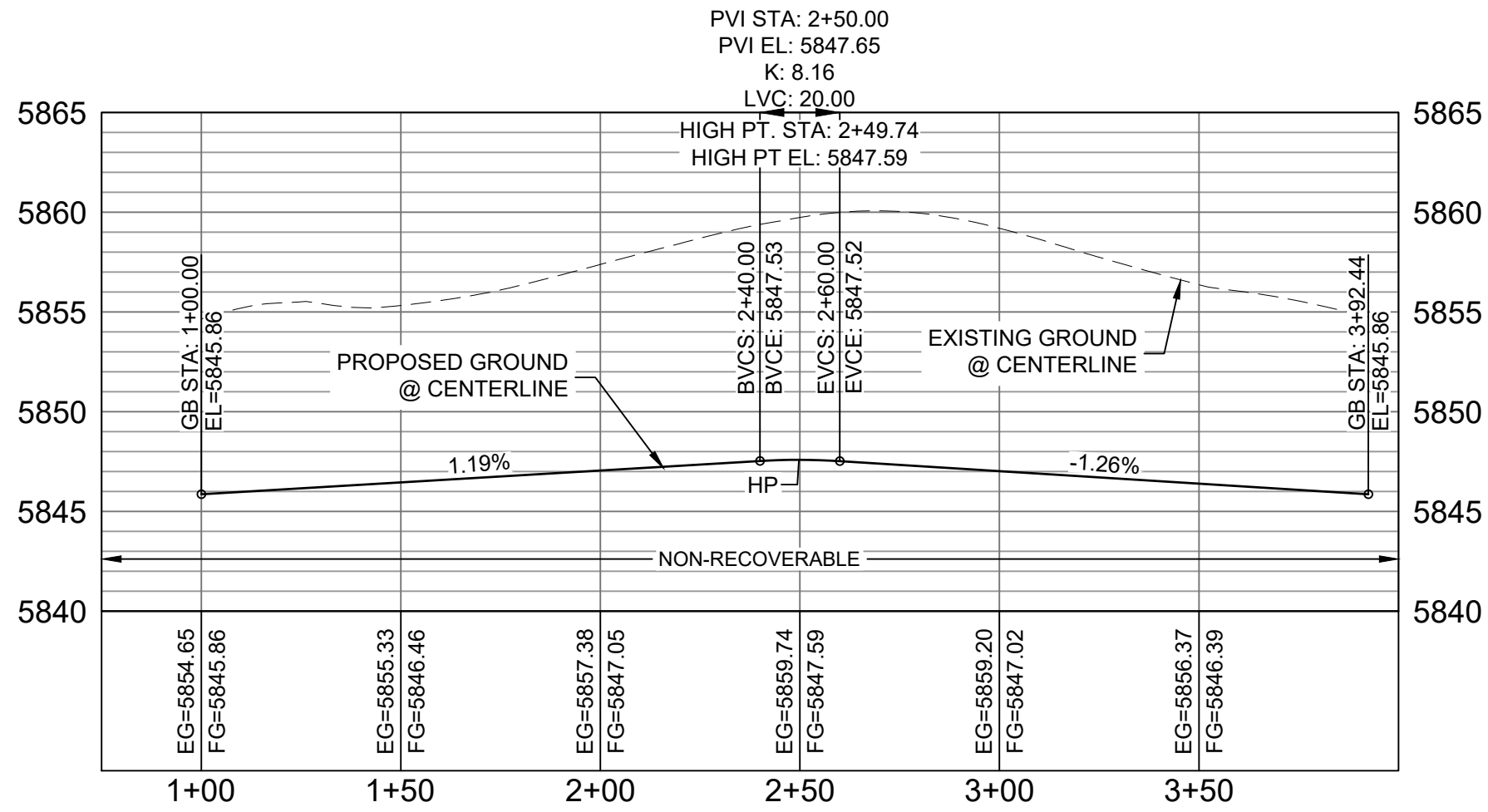
LOOKOUT COURT CDS PLAN

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C153	33.67	38.83	49°40'47"
C154	225.10	46.17	279°2'1'34"
C155	33.67	38.83	49°40'47"



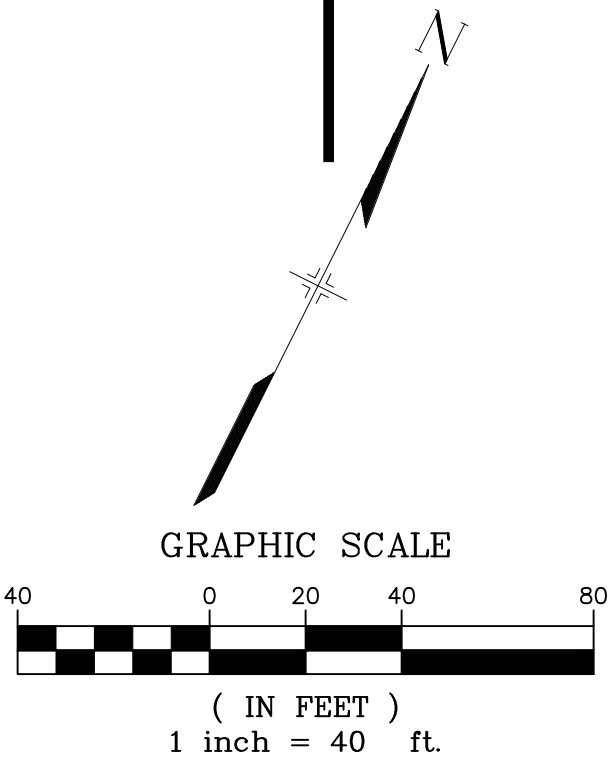
LOOKOUT COURT CL PROFILE

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



LOOKOUT COURT CDS CL PROFILE

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



BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERTSEN 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 1/4
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

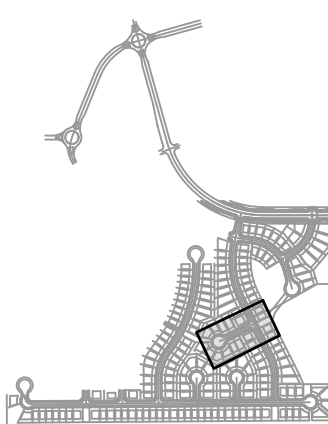
No.	DATE	DESCRIPTION	BY
REVISIONS			
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\RD09-12.dwg			
CTB FILE: ----			
PLOT DATE: January 23, 2020 11:27:10 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

DESIGN DATA:
SIDEWALKS: WIDTH 5'
LOCATION: ATTACHED ☒ DETACHED ☐
DESIGN SPEED: 25 MPH
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E
ROW WIDTH 50' FL-FL 32.33'
STREET TYPE RESIDENTIAL

PAVEMENT:
TYPE: HMA ☐ PCC ☐
THICKNESS: _____

COMPOSITE SECTION:
HMA _____ BASE _____

SHEET KEY



REVIEW:
STREET DESIGN:
CURB & GUTTER REVIEW _____ DATE: _____
FINAL REVIEW _____ DATE: _____
DRAINAGE DESIGN:
BY: _____ DATE: _____
TRAFFIC DESIGN:
BY: _____ DATE: _____

"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.

PREPARED BY:



SEAL



FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE

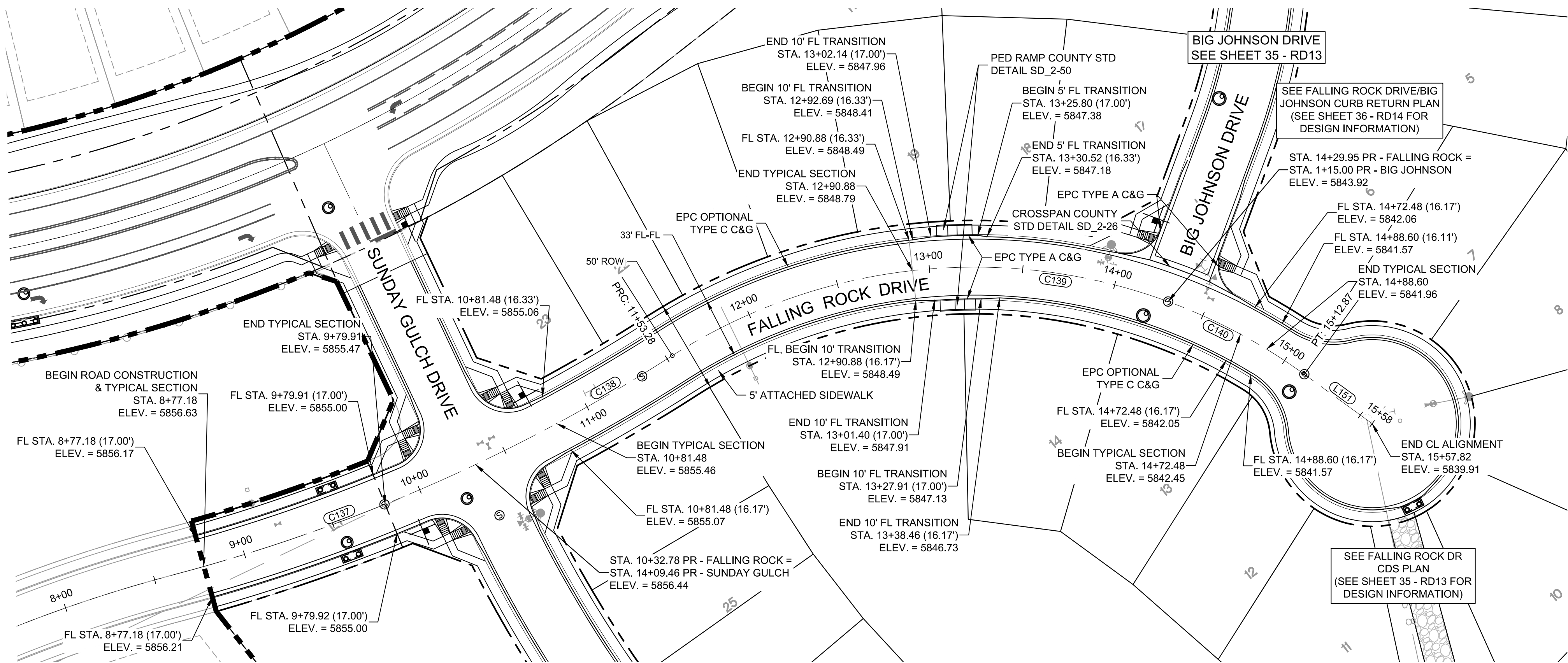
FILING NO. 1
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

ROADWAY PLAN & PROFILE

DESIGNED BY: NMS	SCALE: 1"=40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RD11
CHECKED BY: NMS	VERT. 1"=8'	SHEET 33 OF 73	

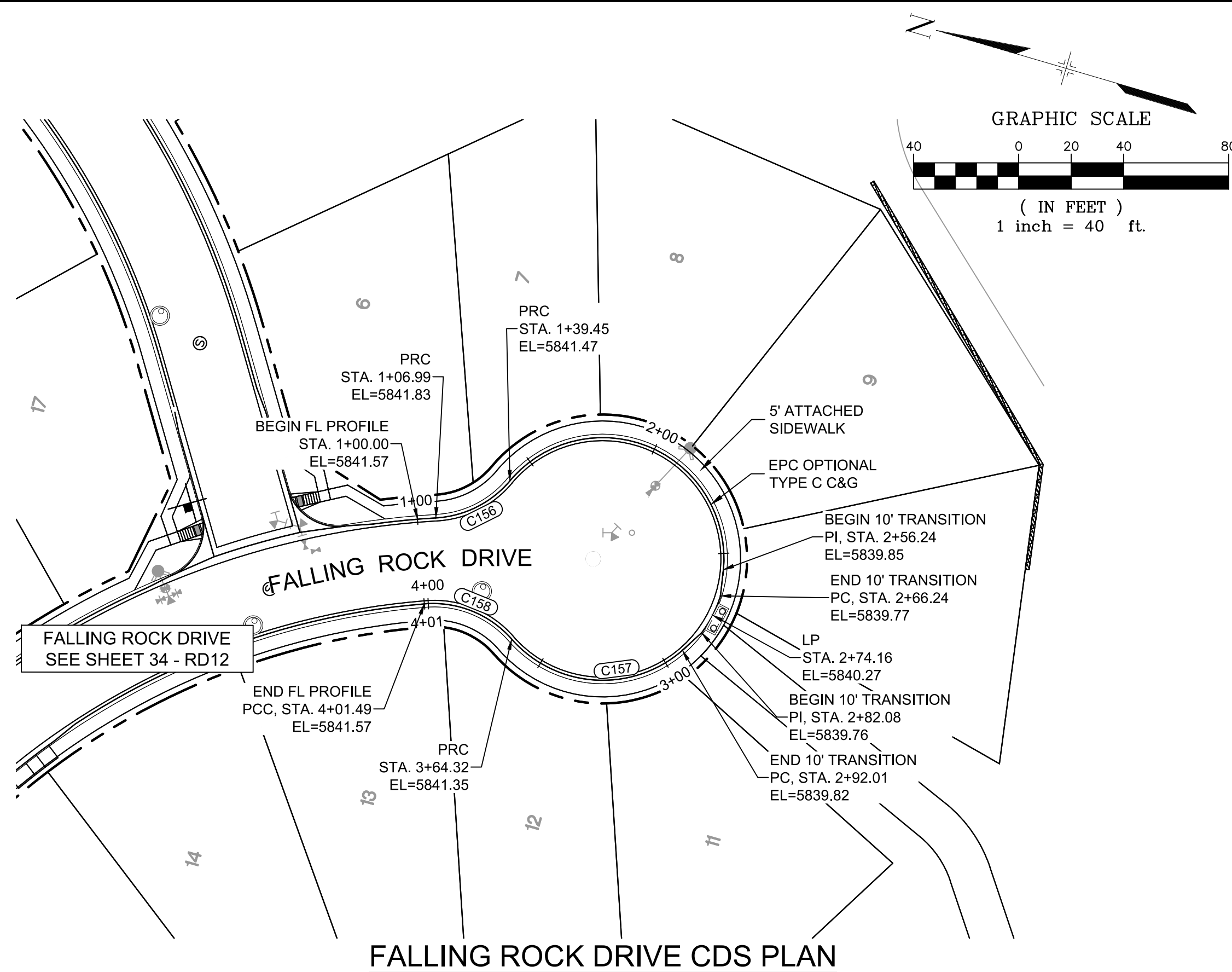


Know what's below.
Call before you dig.





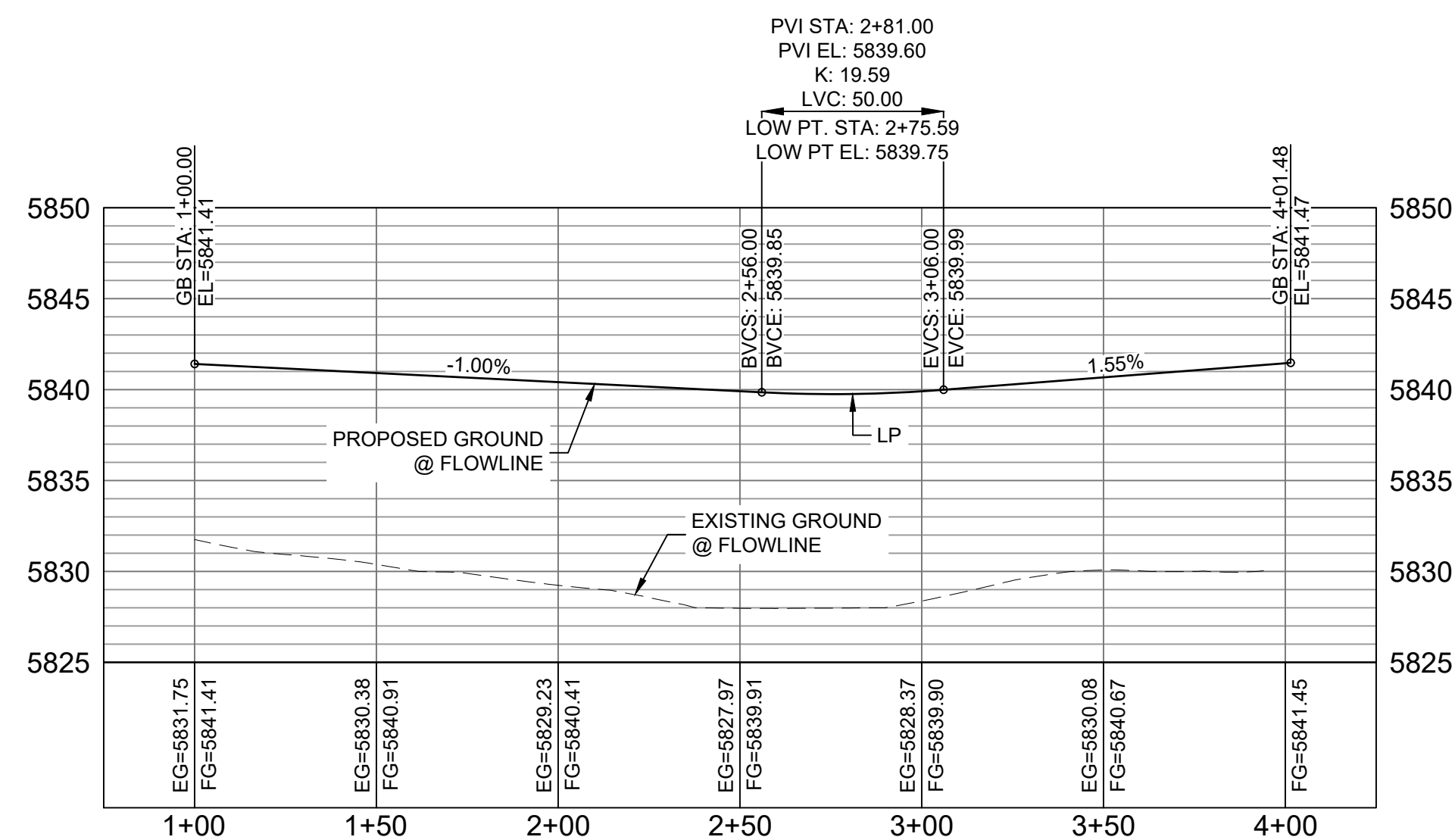
Know what's below.
Call before you dig.



FALLING ROCK DRIVE CDS PLAN

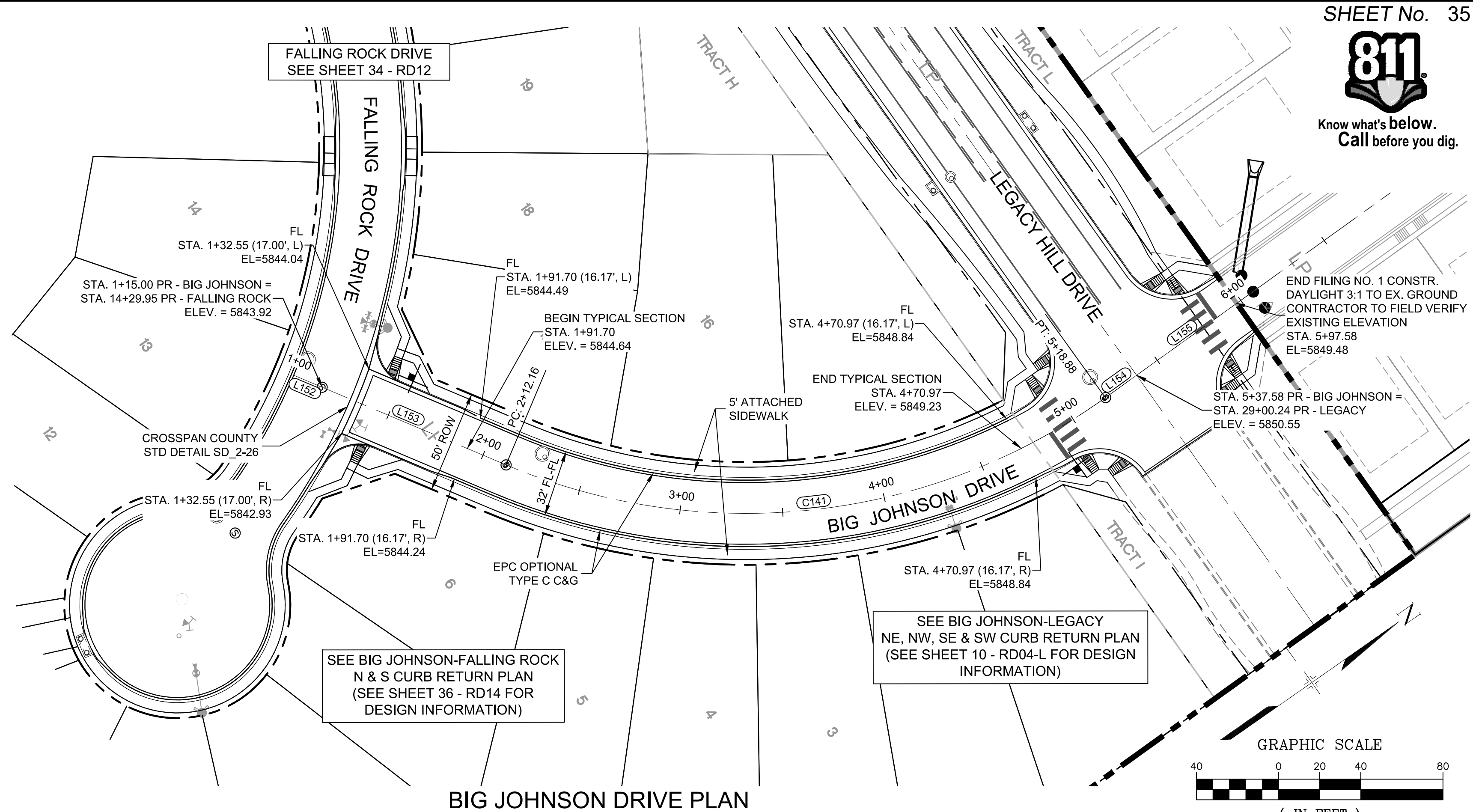
LINE TABLE		
LINE #	BEARING	DISTANCE

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C156	32.45	40.00	46°29'11"
C157	72.23	46.17	89°38'41"
C158	37.17	40.00	53°14'57"



FALLING ROCK CDS FL PROFILE

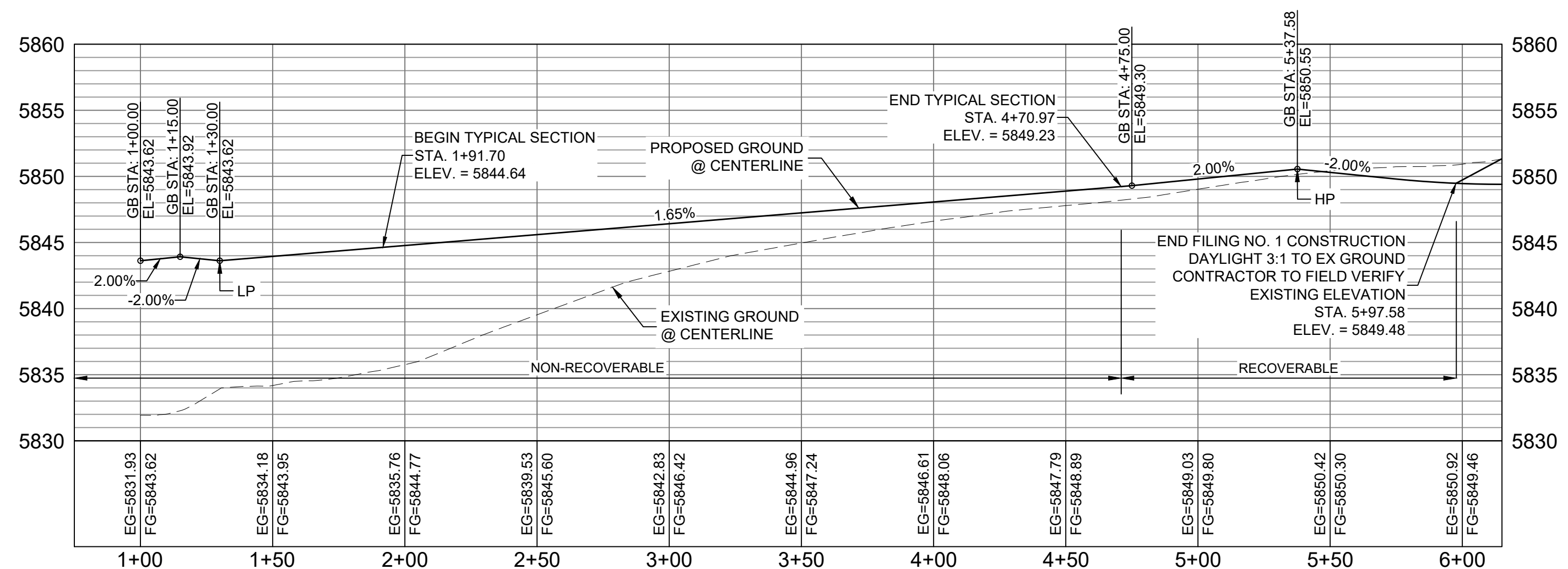
HORIZ: 1" = 40'
VERT: 1" = 8'



BIG JOHNSON DRIVE PLAN

LINE TABLE		
LINE #	BEARING	DISTANCE
L152	N58°15'49"E	15.00
L153	N58°15'49"E	97.16
L154	N00°18'57"W	18.70
L155	N00°18'57"W	60.00

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C141	306.72	300.00	58°34'46"



BIG JOHNSON CL PROFILE

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

BENCHMARK

COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERTSEN 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 1/4
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
REVISIONS			
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\RD13-15.dwg			
PLOT DATE: January 23, 2020 11:28:25 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

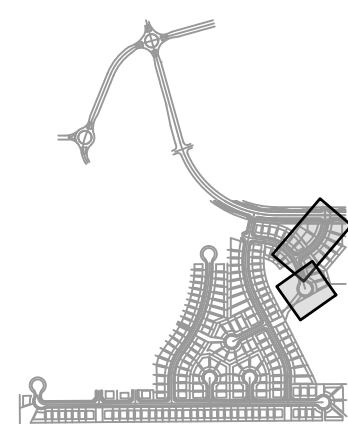
DESIGN DATA:

SIDEWALKS: WIDTH 5'
LOCATION: ATTACHED ☒ DETACHED ☐
DESIGN SPEED: 25 MPH
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E
ROW WIDTH 50' FL-FL 32.33'
STREET TYPE RESIDENTIAL

PAVEMENT:
TYPE: HMA ☐ PCC ☐
THICKNESS:

COMPOSITE SECTION:
HMA ☐ BASE ☐

SHEET KEY



REVIEW:

STREET DESIGN:
CURB & GUTTER REVIEW _____ DATE: _____
FINAL REVIEW _____ DATE: _____
DRAINAGE DESIGN:
BY: _____ DATE: _____
TRAFFIC DESIGN:
BY: _____ DATE: _____

"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.

PREPARED BY:

Matrix
DESIGN GROUP

SEAL



FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE

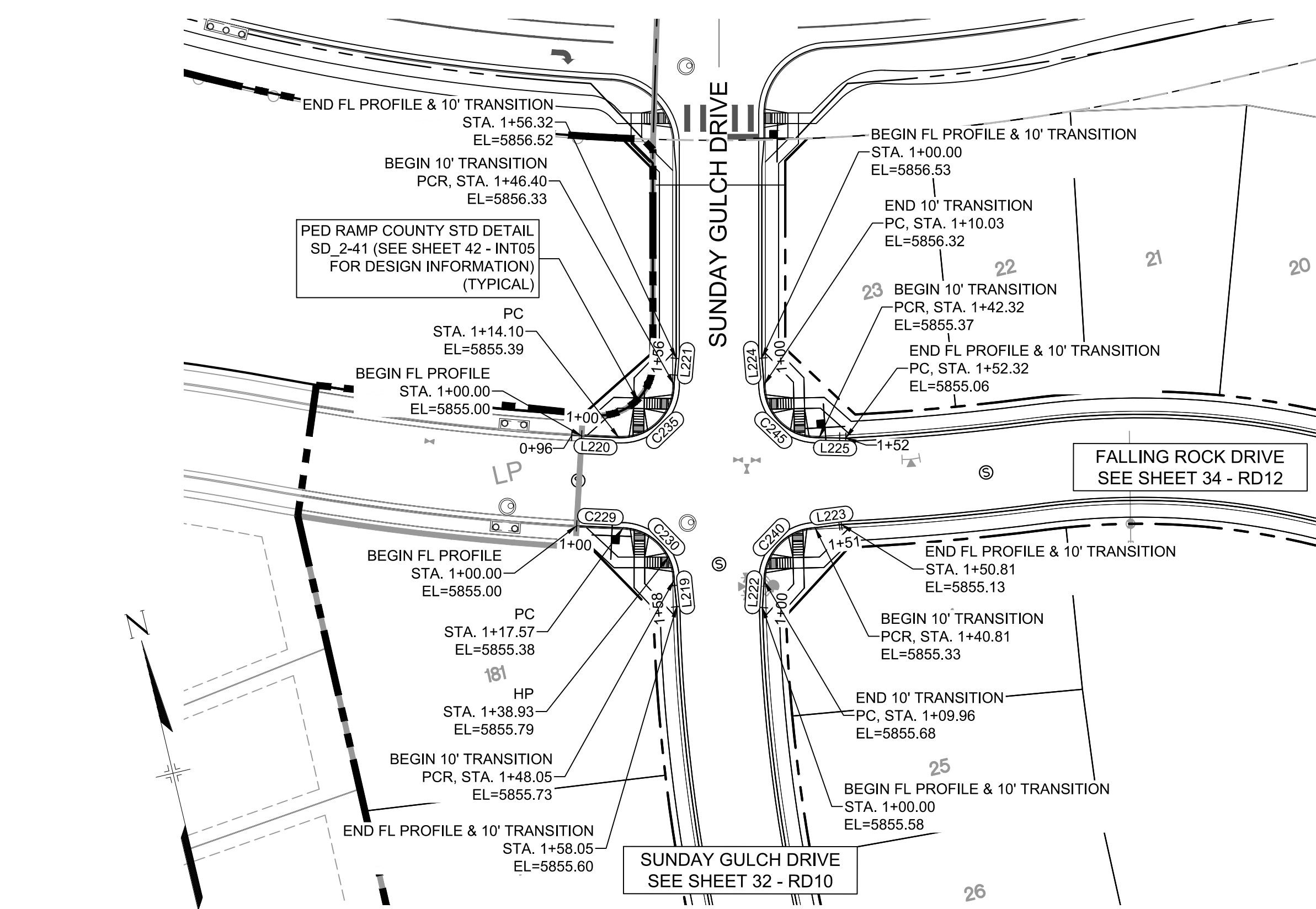
FILING NO. 1
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

ROADWAY PLAN & PROFILE

DESIGNED BY: NMS SCALE: 1"=40' DATE ISSUED: SEPTEMBER, 2019 DRAWING No.
DRAWN BY: TJC HORIZ: 1"=40' SHEET 35 OF 73 RD13
CHECKED BY: NMS VERT: 1"=8'



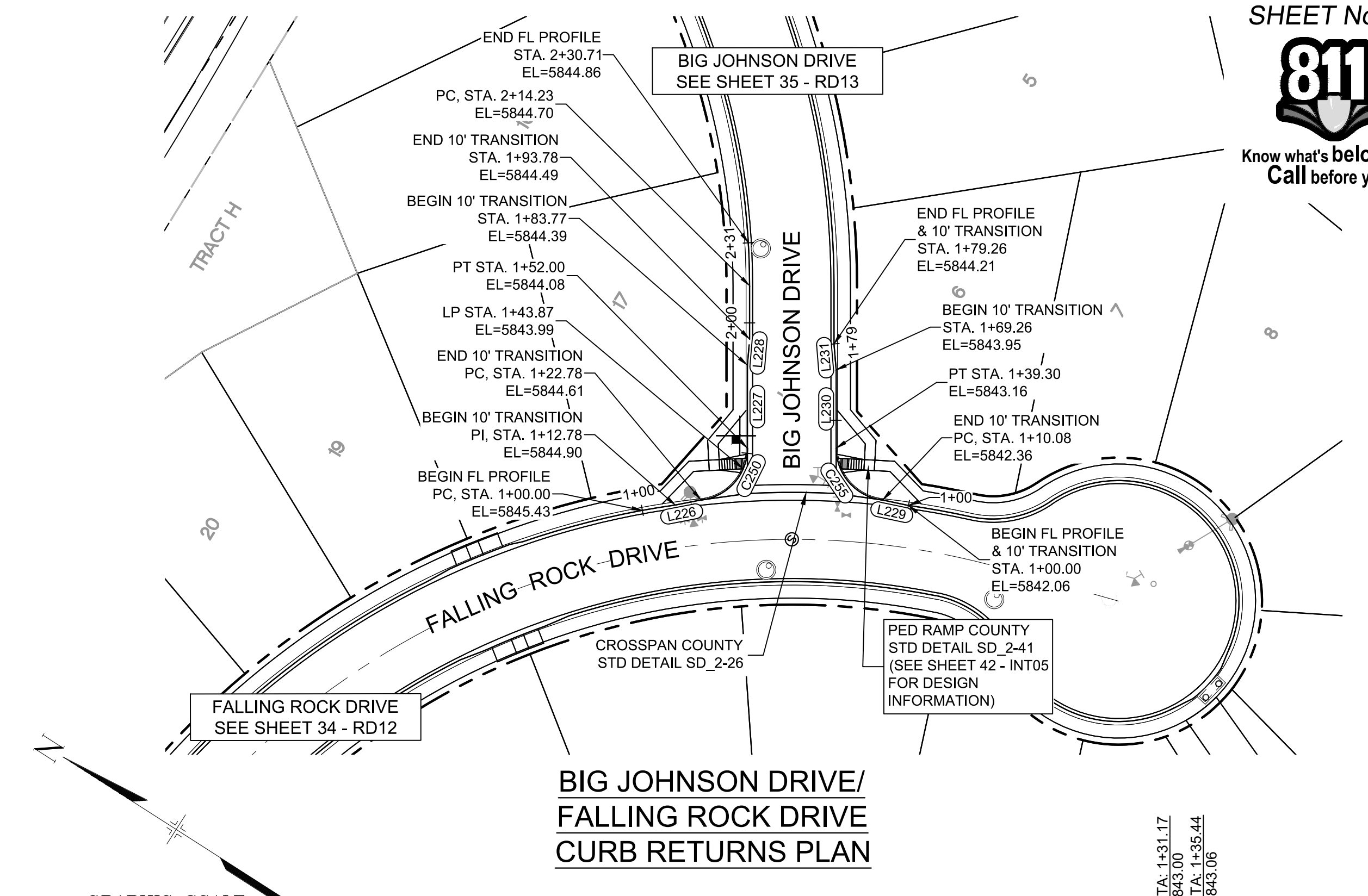
Know what's below.
Call before you dig.



SUNDAY GULCH DRIVE / FALLING ROCK DRIVE
CURB RETURNS PLAN

LINE TABLE		
LINE #	BEARING	DISTANCE
L219	S07°03'46"W	10.00
L220	S74°26'51"E	14.10
L221	N17°36'47"E	9.92
L222	N16°33'38"E	9.96
L223	S84°27'46"E	10.00
L224	S08°01'55"W	10.03
L225	S76°02'58"E	10.00

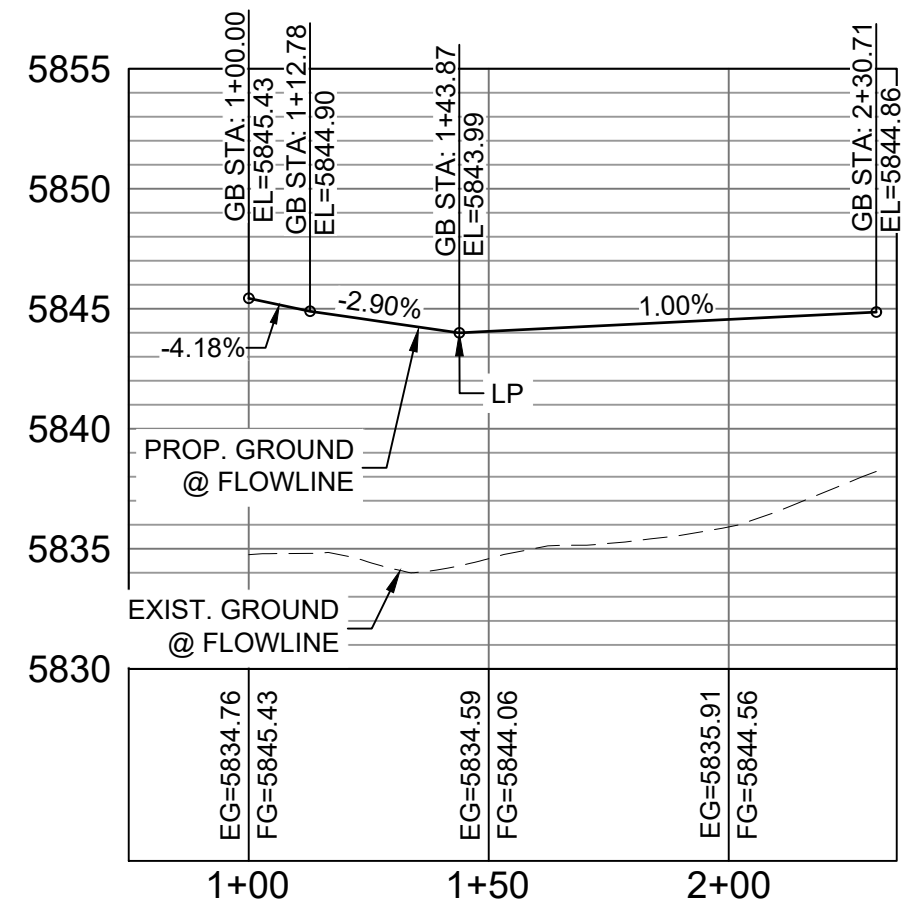
CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C229	17.57	957.00	1°03'07"
C230	30.49	20.00	87°20'00"
C235	32.30	20.00	92°32'26"
C240	30.85	20.00	88°23'08"
C245	32.29	20.00	92°29'29"



BIG JOHNSON DRIVE /
FALLING ROCK DRIVE
CURB RETURNS PLAN

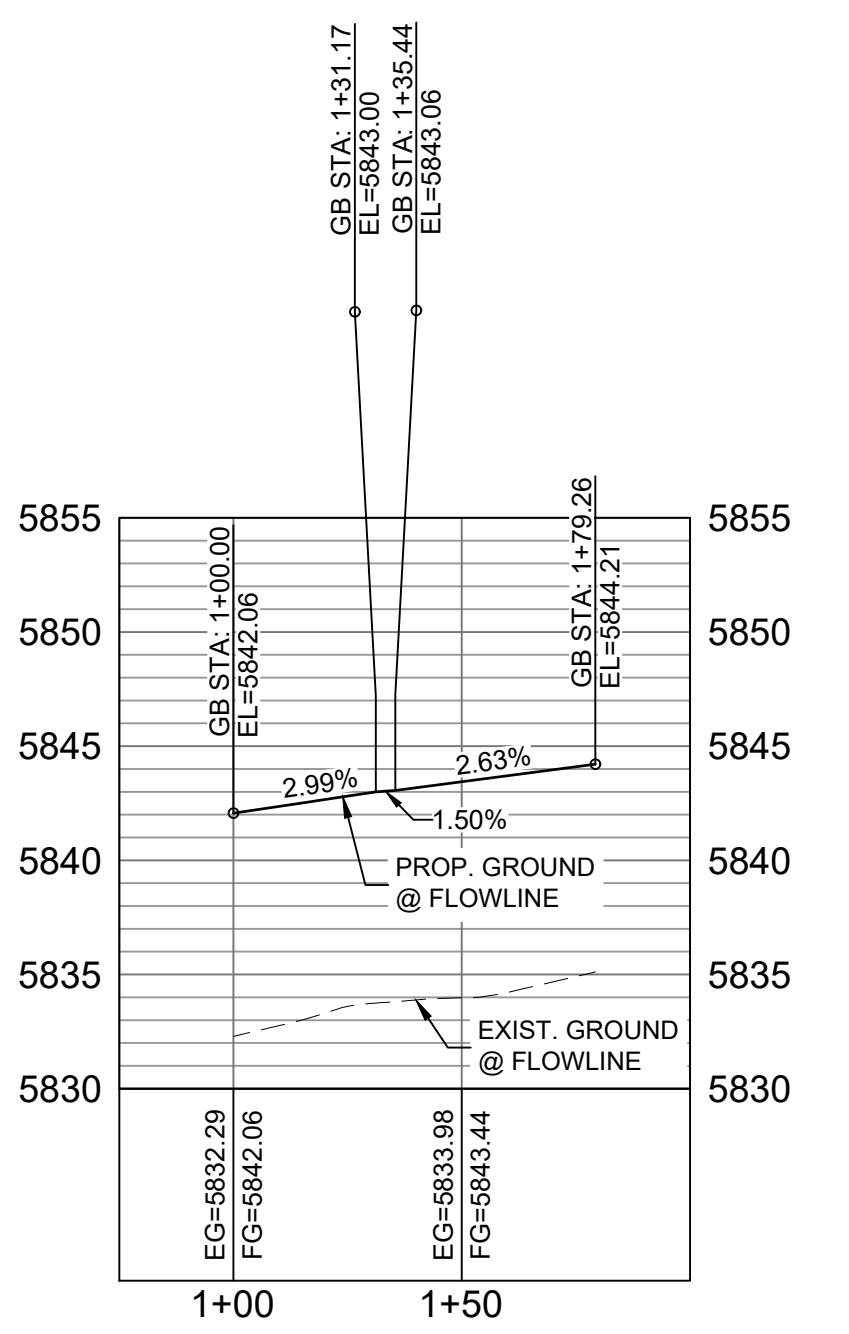
LINE TABLE		
LINE #	BEARING	DISTANCE
L226	S42°47'01"E	10.00
L227	N58°15'49"E	31.77
L228	N63°01'21"E	10.00
L229	N19°47'03"W	10.08
L230	N58°15'49"E	29.96
L231	N53°30'09"E	10.00

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C250	29.22	20.00	83°41'48"
C255	29.22	20.00	83°41'48"



BIG JOHNSON DRIVE /
FALLING ROCK DRIVE NORTH FL
CURB RETURN PROFILE

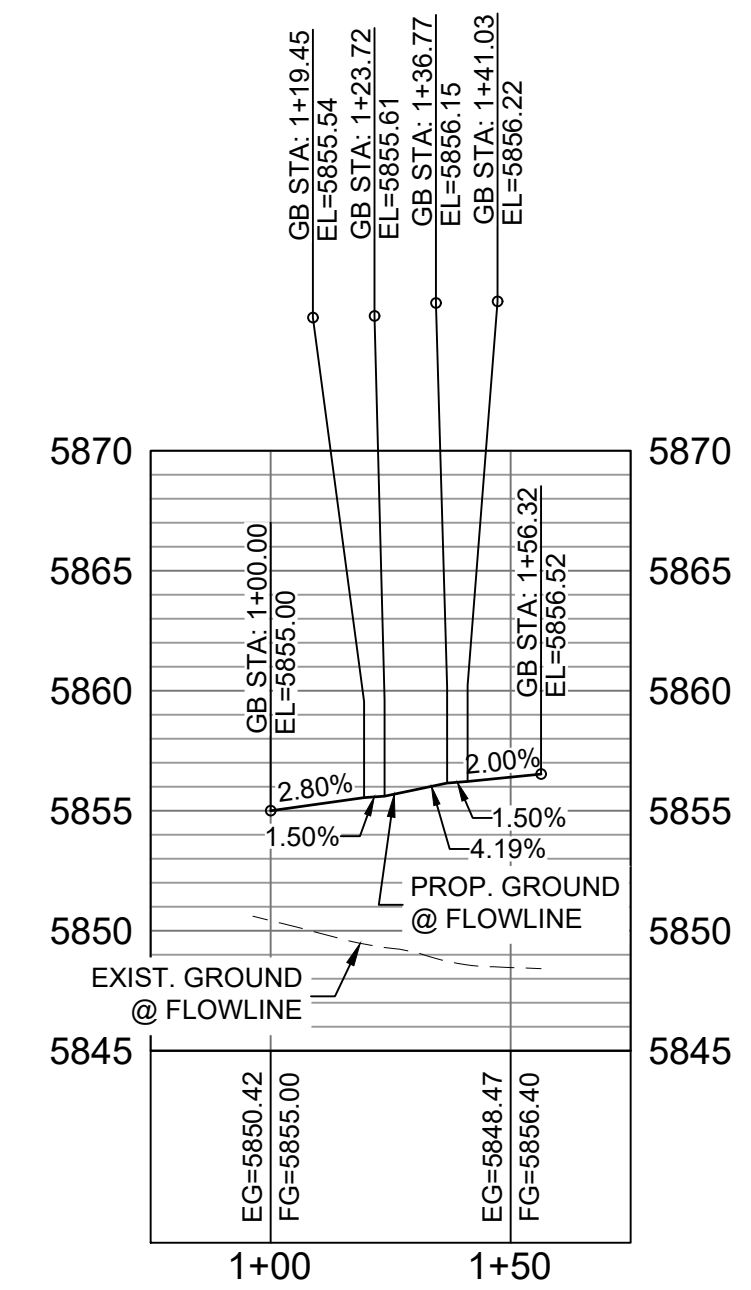
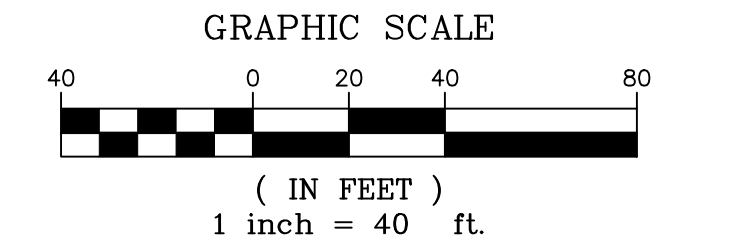
HORIZ: 1" = 40'
VERT: 1" = 8'



BIG JOHNSON DRIVE /
FALLING ROCK DRIVE SOUTH FL
CURB RETURN PROFILE

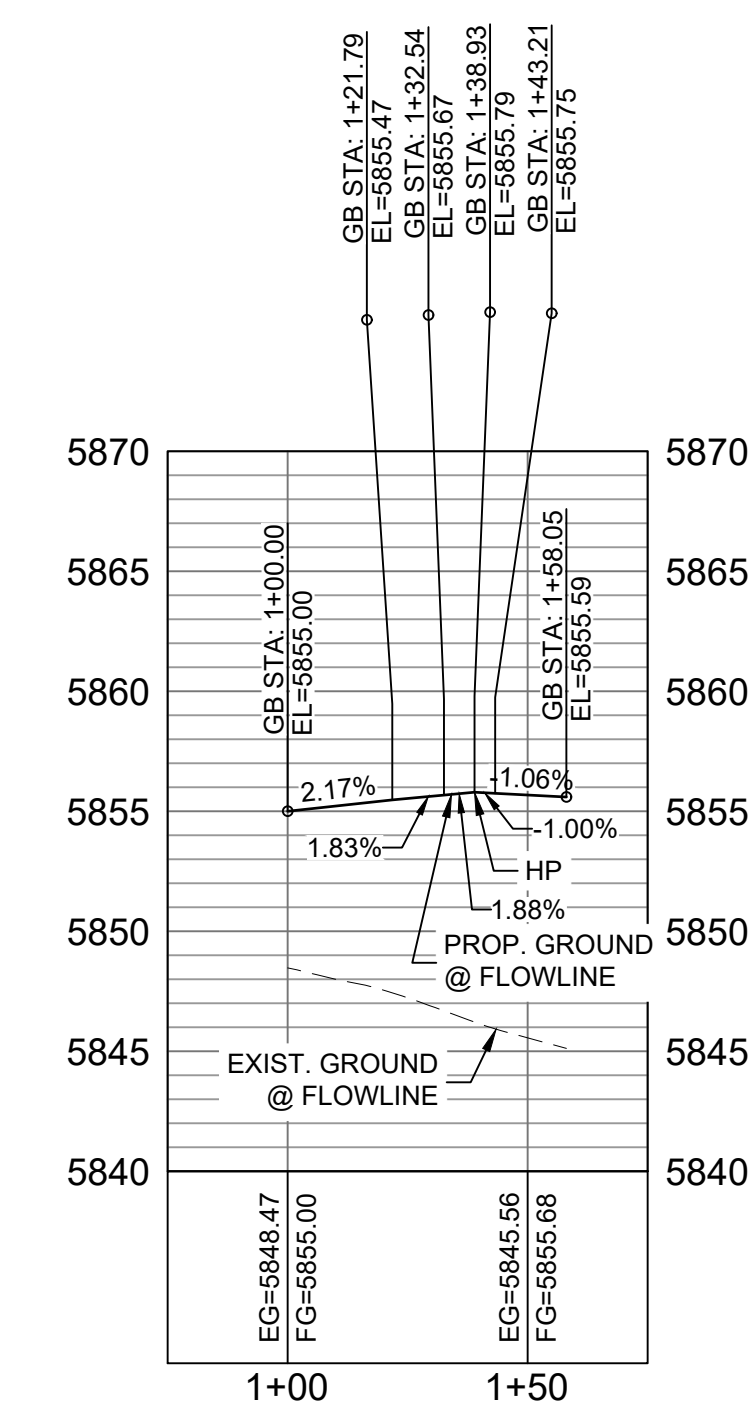
HORIZ: 1" = 40'
VERT: 1" = 8'

BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERTSEN 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 1/4
CORNER OF SAID SECTION 9 (3 1/2' AULM. CAP PLS 10377)



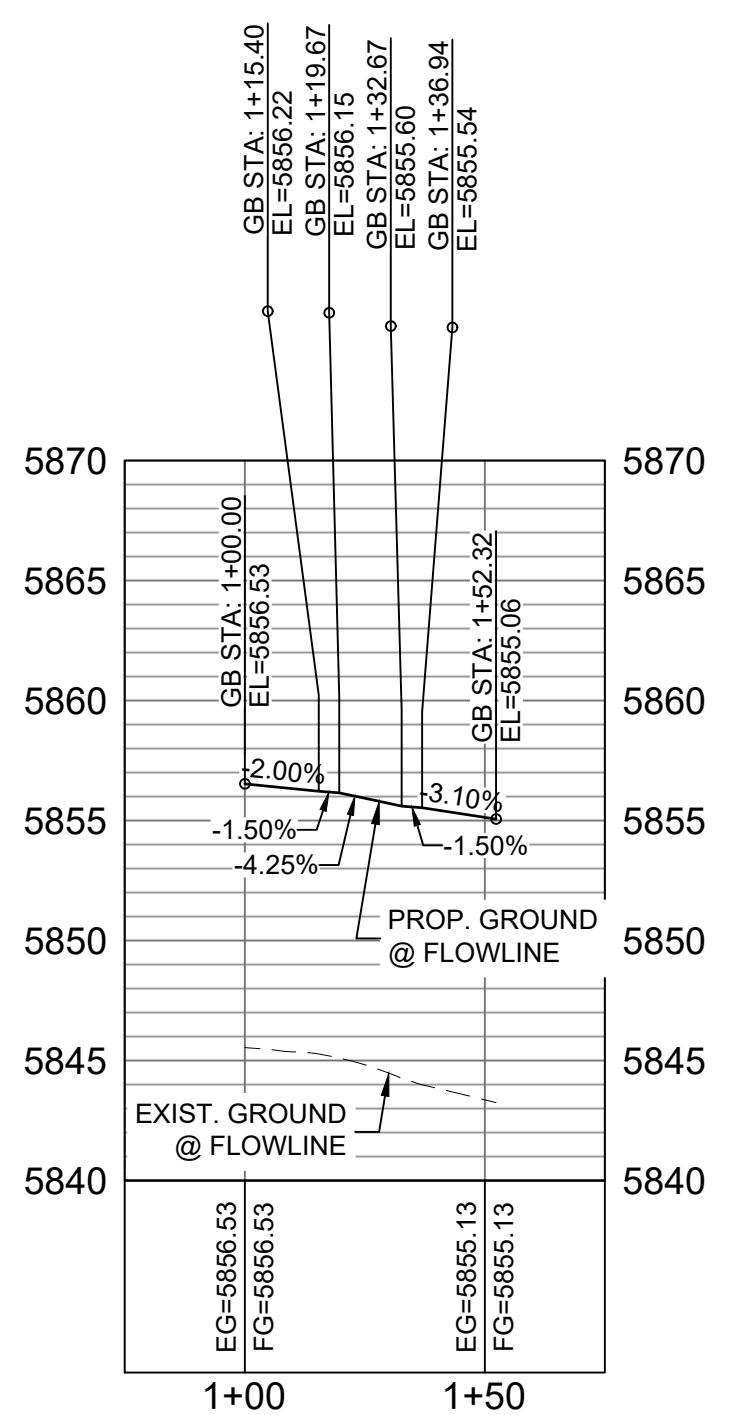
SUNDAY GULCH DRIVE /
FALLING ROCK DRIVE NW FL
CURB RETURN PROFILE

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



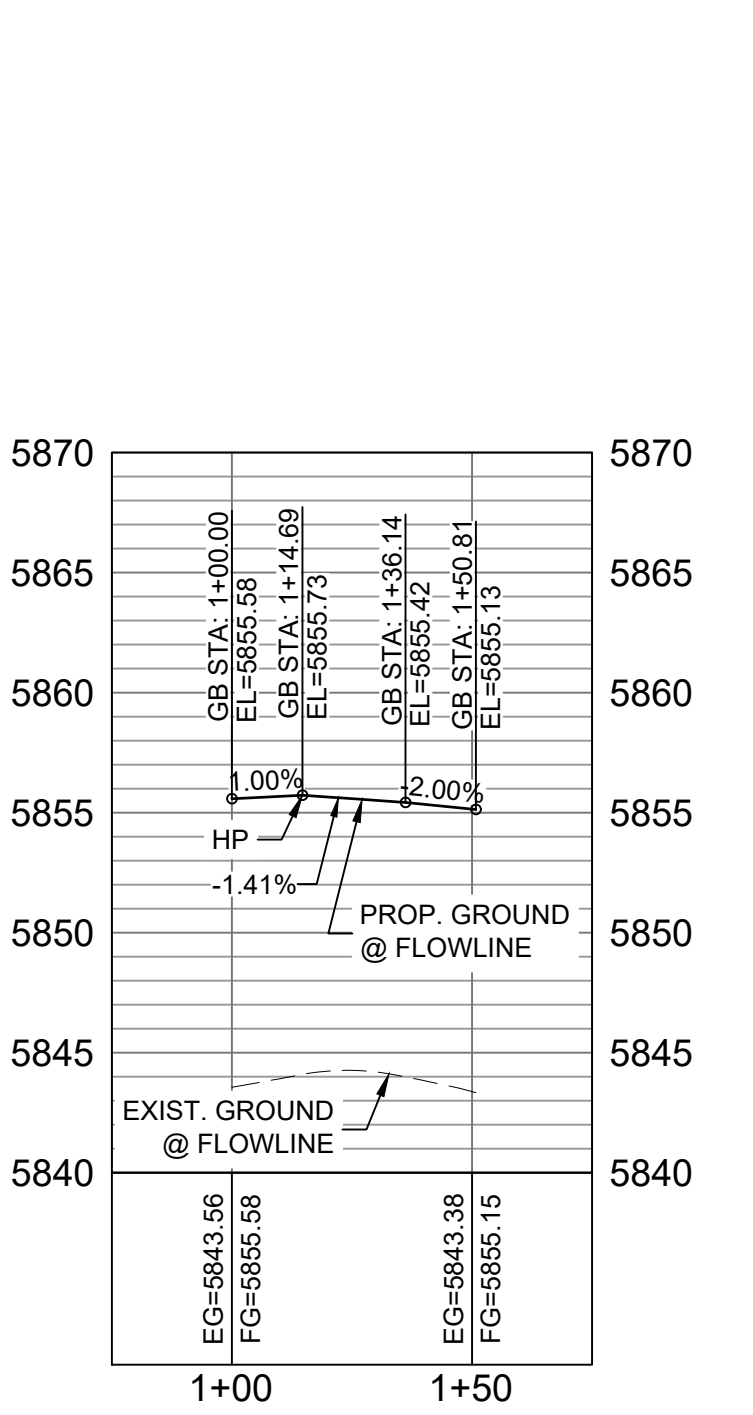
SUNDAY GULCH DRIVE /
FALLING ROCK DRIVE SW FL
CURB RETURN PROFILE

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



SUNDAY GULCH DRIVE /
FALLING ROCK DRIVE NE FL
CURB RETURN PROFILE

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

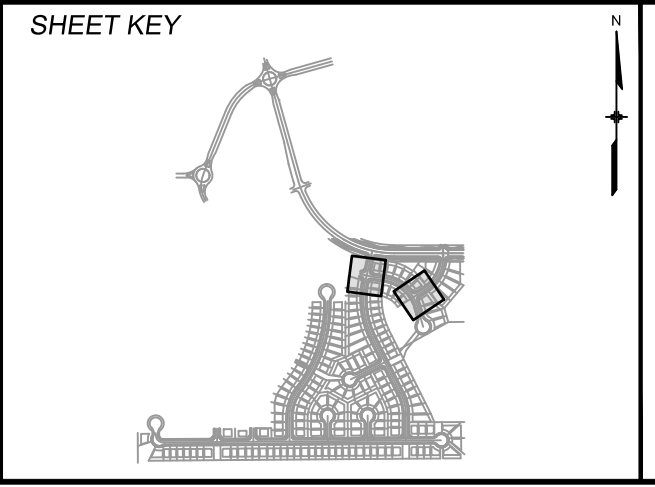


SUNDAY GULCH DRIVE /
FALLING ROCK DRIVE SE FL
CURB RETURN PROFILE

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

No.	DATE	DESCRIPTION	BY
REVISIONS			
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\RD13-15.dwg			
CTB FILE: ----			
PLOT DATE: January 23, 2020 11:28:36 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

DESIGN DATA:
SIDEWALKS: WIDTH 5'
LOCATION: ATTACHED ☒ DETACHED ☐
DESIGN SPEED: 25 MPH
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E
ROW WIDTH 50' FL-FL 32.33'
STREET TYPE RESIDENTIAL
PAVEMENT: TYPE: HMA ☐ PCC ☐
THICKNESS: _____
COMPOSITE SECTION: HMA _____ BASE _____



REVIEW:
STREET DESIGN:
CURB & GUTTER REVIEW _____ DATE: _____
FINAL REVIEW _____ DATE: _____
DRAINAGE DESIGN:
BY: _____ DATE: _____
TRAFFIC DESIGN:
BY: _____ DATE: _____
"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended."

PREPARED BY:

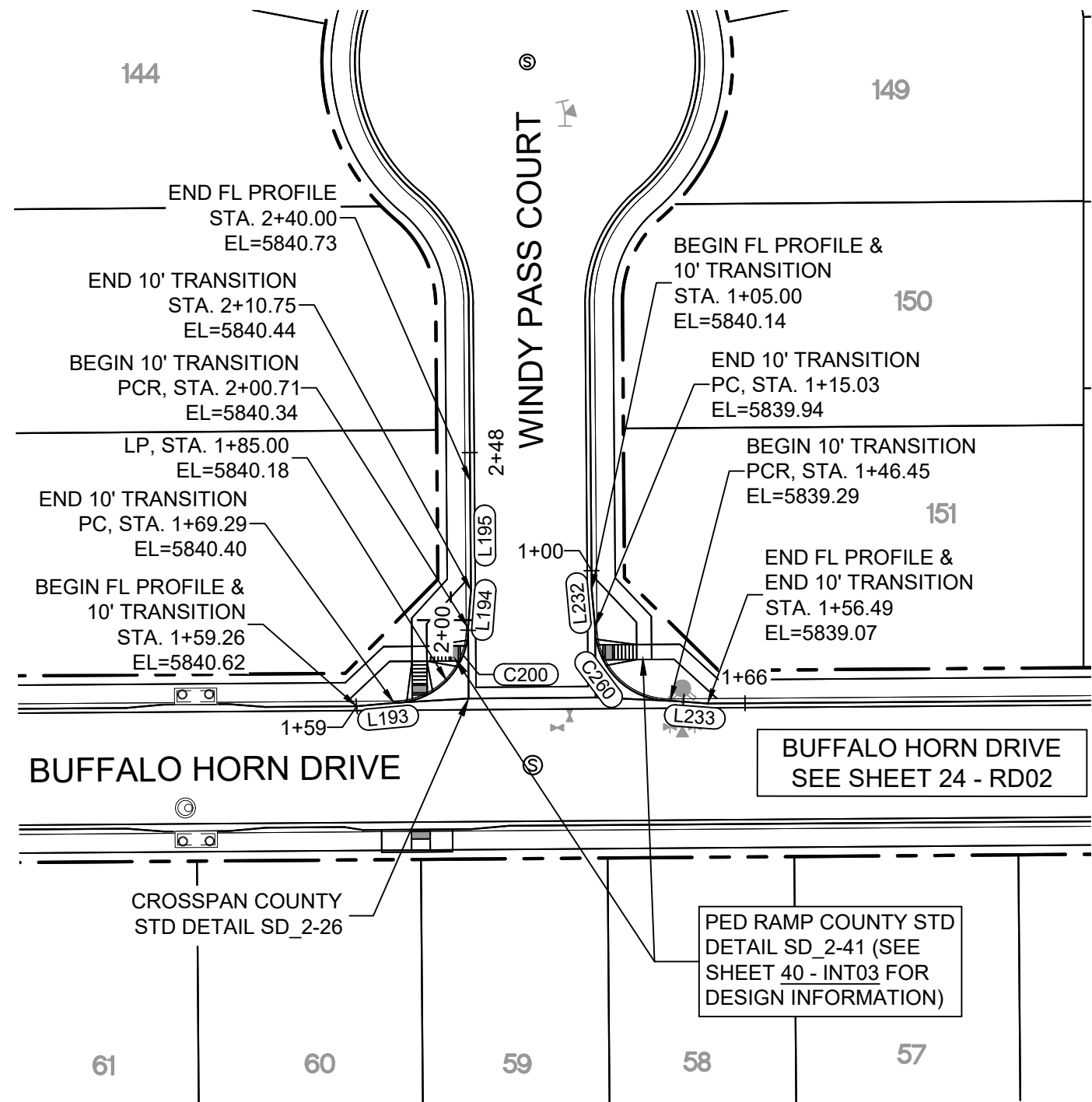
Matrix
DESIGN GROUP

SEAL

COLORADO LICENSED
W. SCHWARTZ
152434
1/6/20
PROFESSIONAL ENGINEER

FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

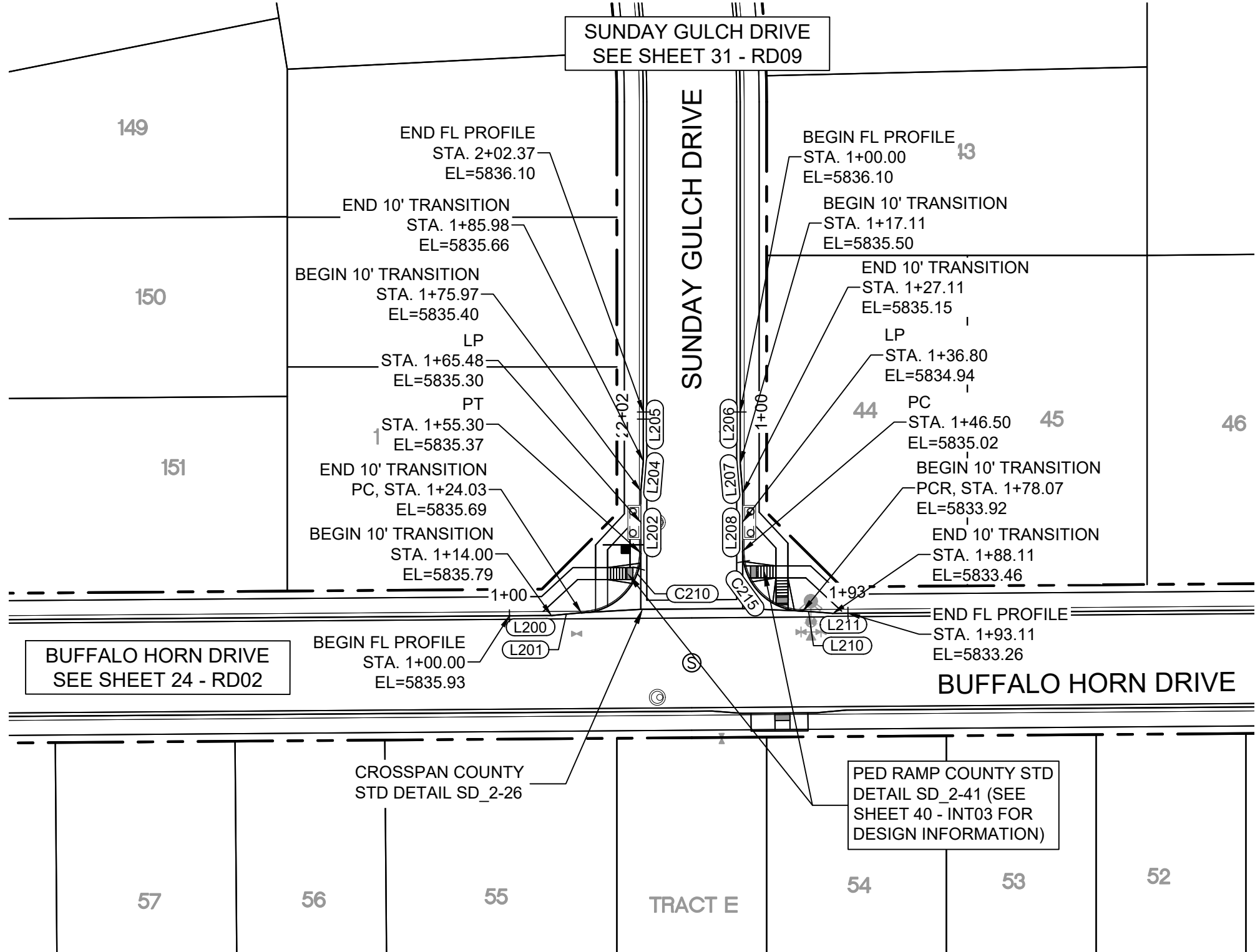
TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
ROADWAY PLAN & PROFILE			
DESIGNED BY: NMS	SCALE: 1"=40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RD14
DRAWN BY: TJC	HORIZ. 1"=8'	SHEET 36 OF 73	
CHECKED BY: NMS	VERT. 1"=8'		



LINE TABLE		
LINE #	BEARING	DISTANCE
L193	N84°47'46"E	10.03
L194	N04°19'24"E	10.03
L195	N00°26'25"W	29.25
L232	S05°12'14"E	10.03
L233	S85°40'36"E	10.03

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C200	31.42	20.00	90°00'00"
C260	31.42	20.00	90°00'00"

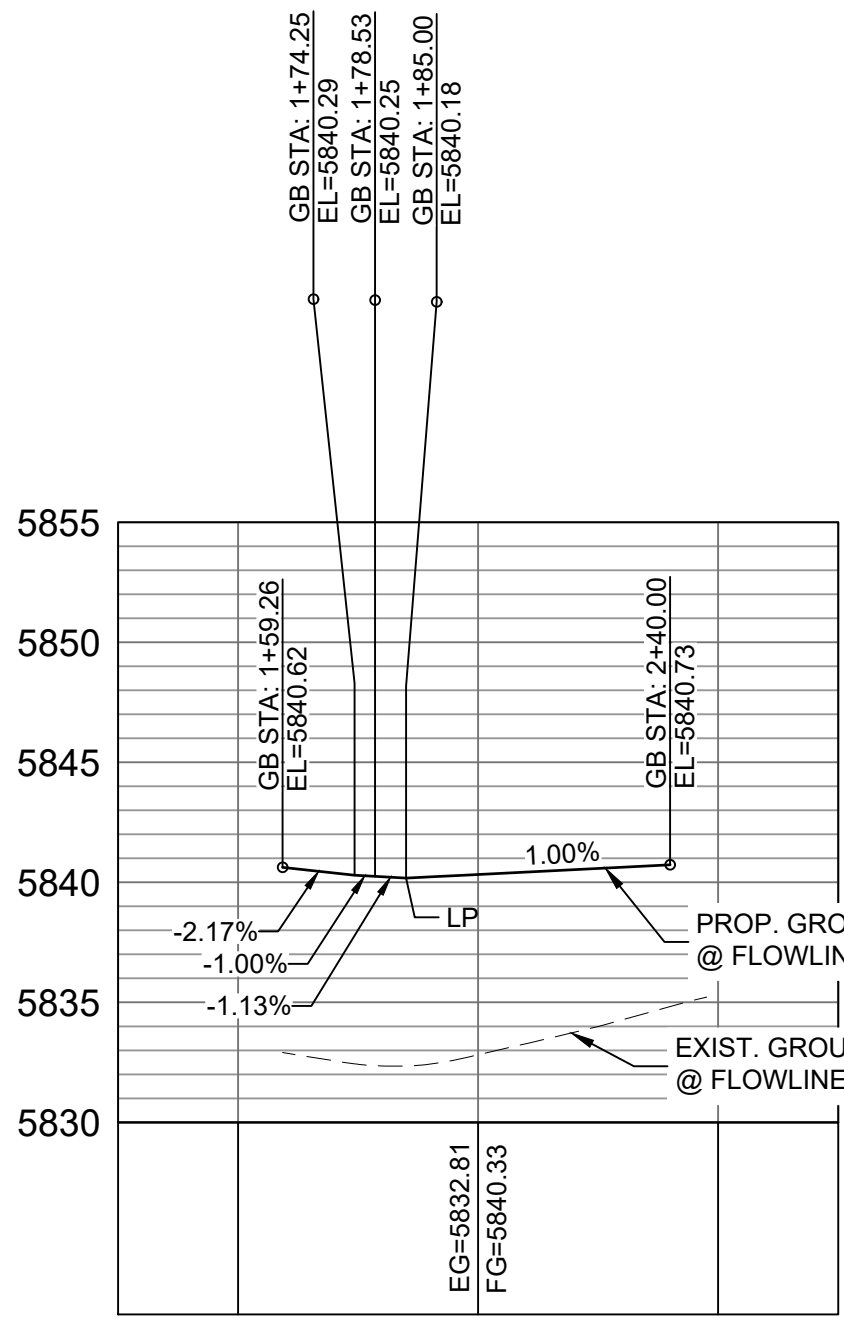
BUFFALO HORN DRIVE / WINDY PASS COURT
CURB RETURNS PLAN



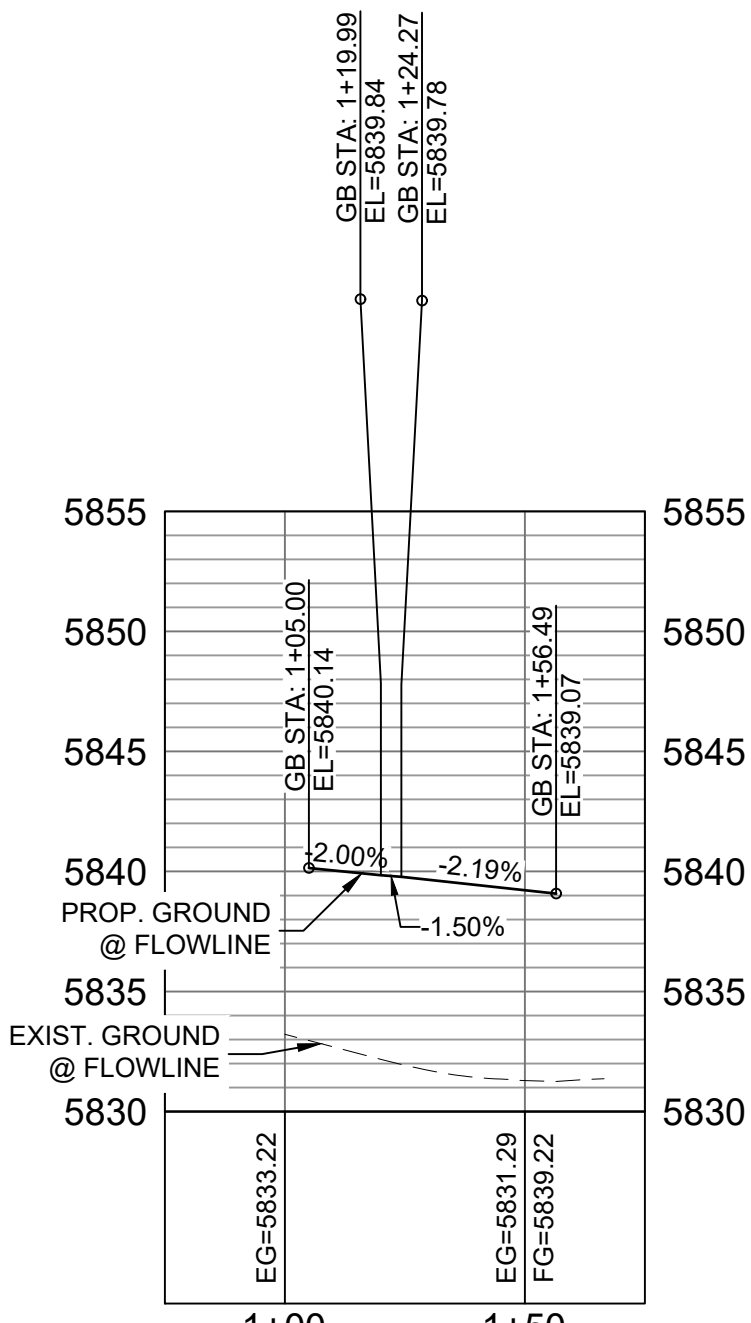
BUFFALO HORN DRIVE / SUNDAY GULCH DRIVE
CURB RETURNS PLAN

LINE TABLE		
LINE #	BEARING	DISTANCE
L200	N89°33'35"E	14.00
L201	N84°47'46"E	10.03
L202	N00°00'00"E	20.68
L204	N04°46'45"E	10.00
L205	N00°00'00"E	16.39
L206	S00°00'00"E	17.11
L207	S04°46'47"E	10.00
L208	S00°00'00"E	19.39
L210	S85°40'36"E	10.03
L211	N89°33'35"E	5.00

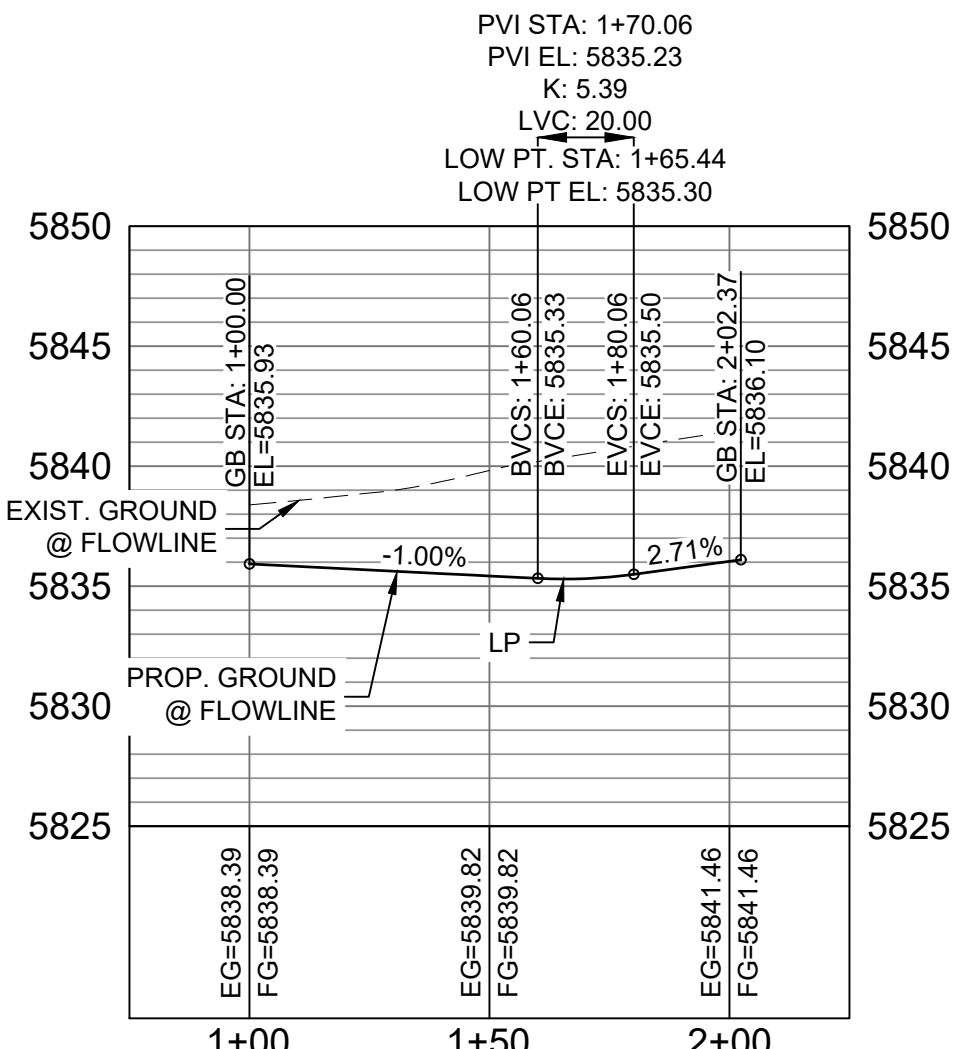
CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C210	31.26	20.00	89°33'35"
C215	31.57	20.00	90°26'25"



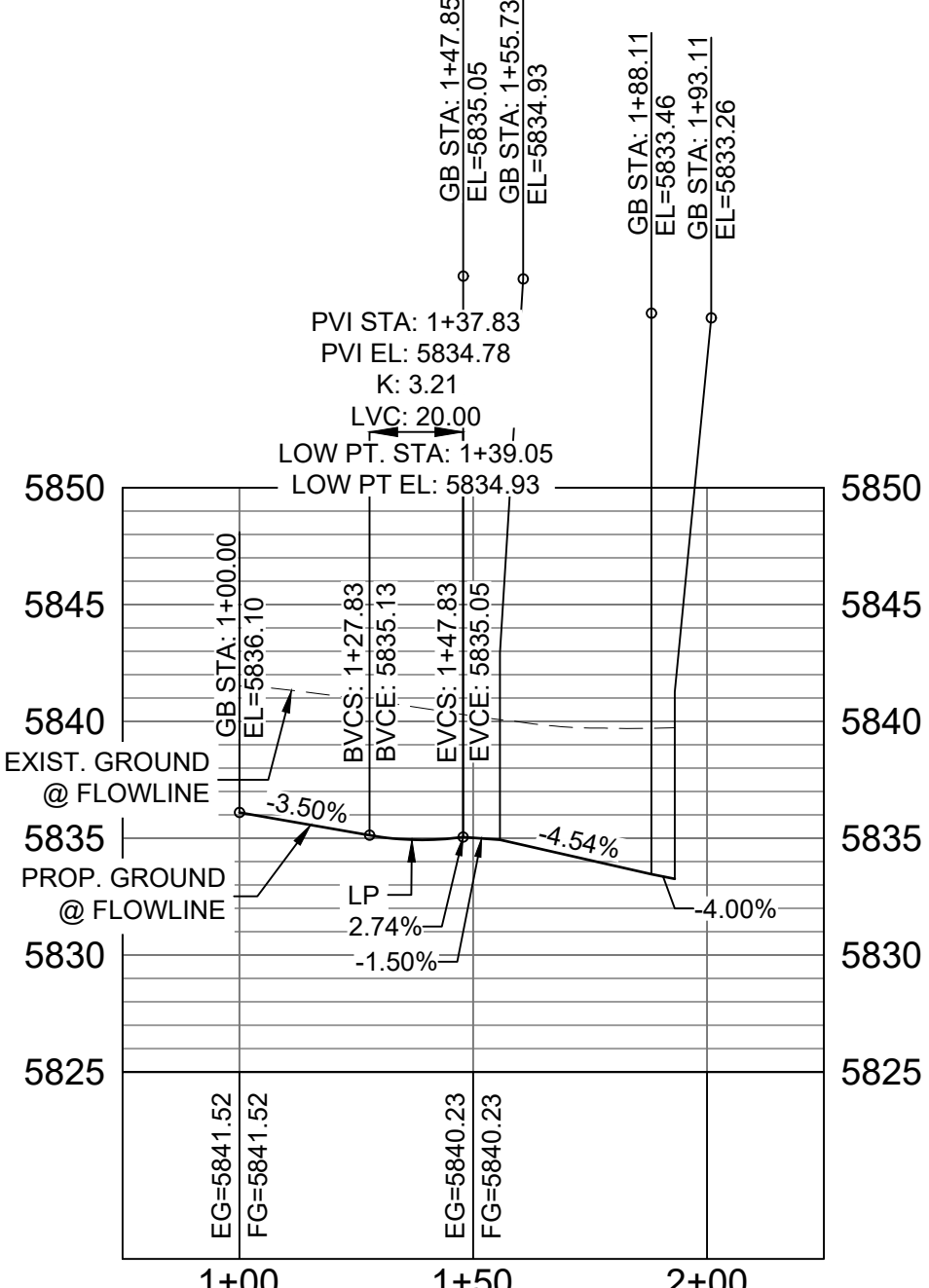
BUFFALO HORN DRIVE /
WINDY PASS COURT WEST FL
CURB RETURN PROFILE
HORIZ: 1" = 40'
VERT: 1" = 8'



BUFFALO HORN DRIVE /
WINDY PASS COURT EAST FL
CURB RETURN PROFILE
HORIZ: 1" = 40'
VERT: 1" = 8'



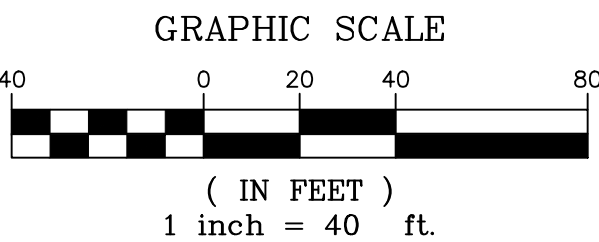
BUFFALO HORN DRIVE /
SUNDAY GULCH DRIVE WEST FL
CURB RETURN PROFILE
HORIZ: 1" = 40'
VERT: 1" = 8'



BUFFALO HORN DRIVE /
SUNDAY GULCH DRIVE EAST FL
CURB RETURN PROFILE
HORIZ: 1" = 40'
VERT: 1" = 8'

BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERTSEN 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 1/4
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)



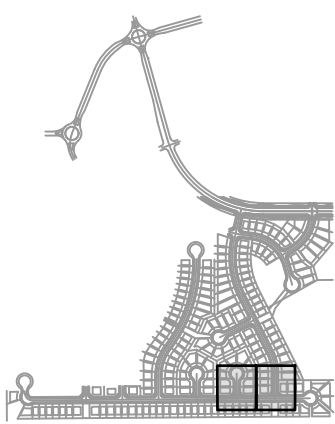
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - ft)\100 Dwg\104 plan sets\construction plans\road & storm plans\RD13-15.dwg			
CTB FILE: ----			
PLOT DATE: January 23, 2020 11:28:46 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

DESIGN DATA:
SIDEWALKS: WIDTH 5'
LOCATION: ATTACHED ☒ DETACHED ☐
DESIGN SPEED: 25 MPH
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E
ROW WIDTH 50' FL-FL 32.33'
STREET TYPE RESIDENTIAL

PAVEMENT:
TYPE: HMA ☐ PCC ☐
THICKNESS: _____

COMPOSITE SECTION:
HMA _____ BASE _____

SHEET KEY

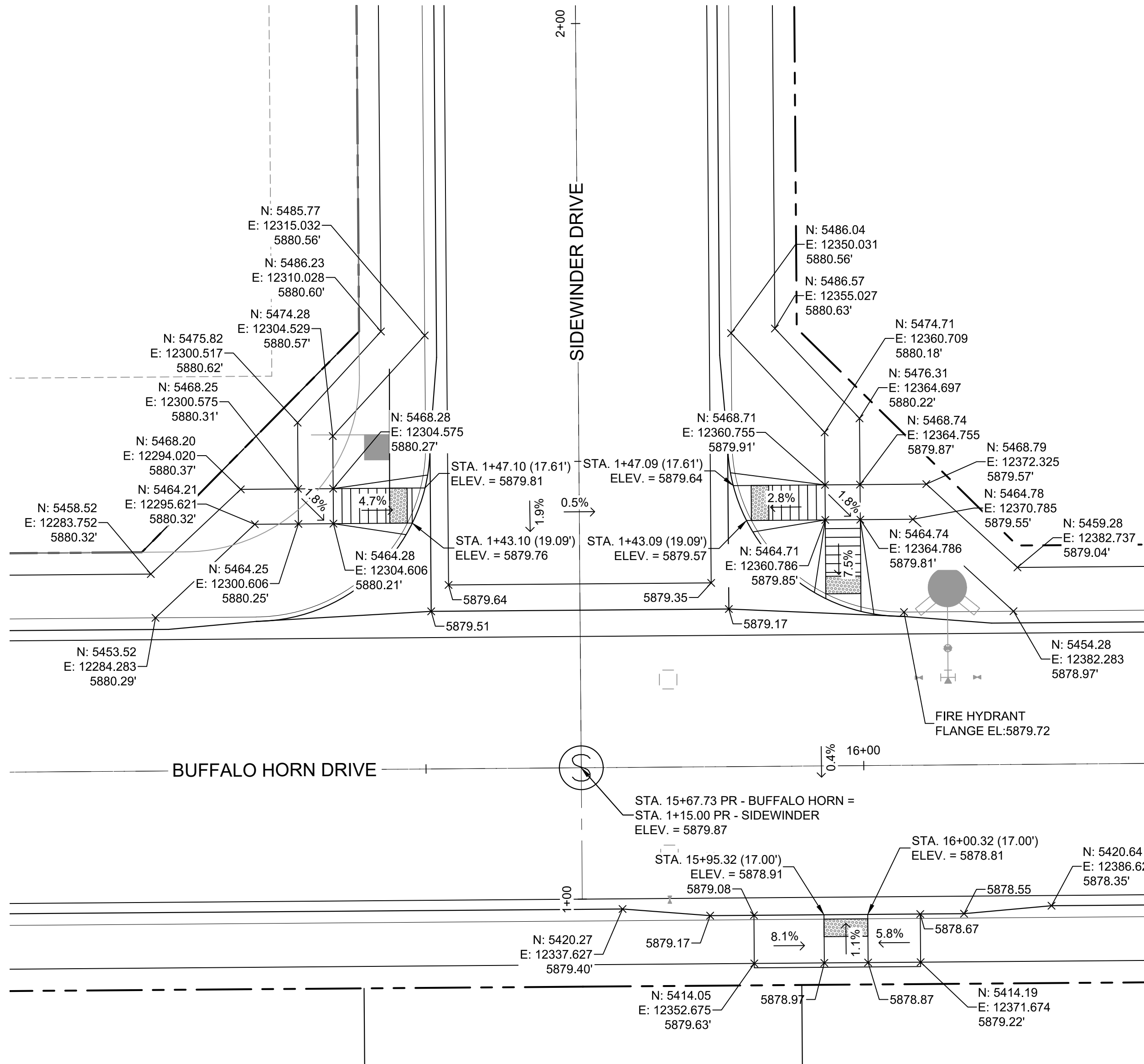


REVIEW:
STREET DESIGN:
CURB & GUTTER REVIEW _____ DATE: _____
FINAL REVIEW _____ DATE: _____
DRAINAGE DESIGN:
BY: _____ DATE: _____
TRAFFIC DESIGN:
BY: _____ DATE: _____

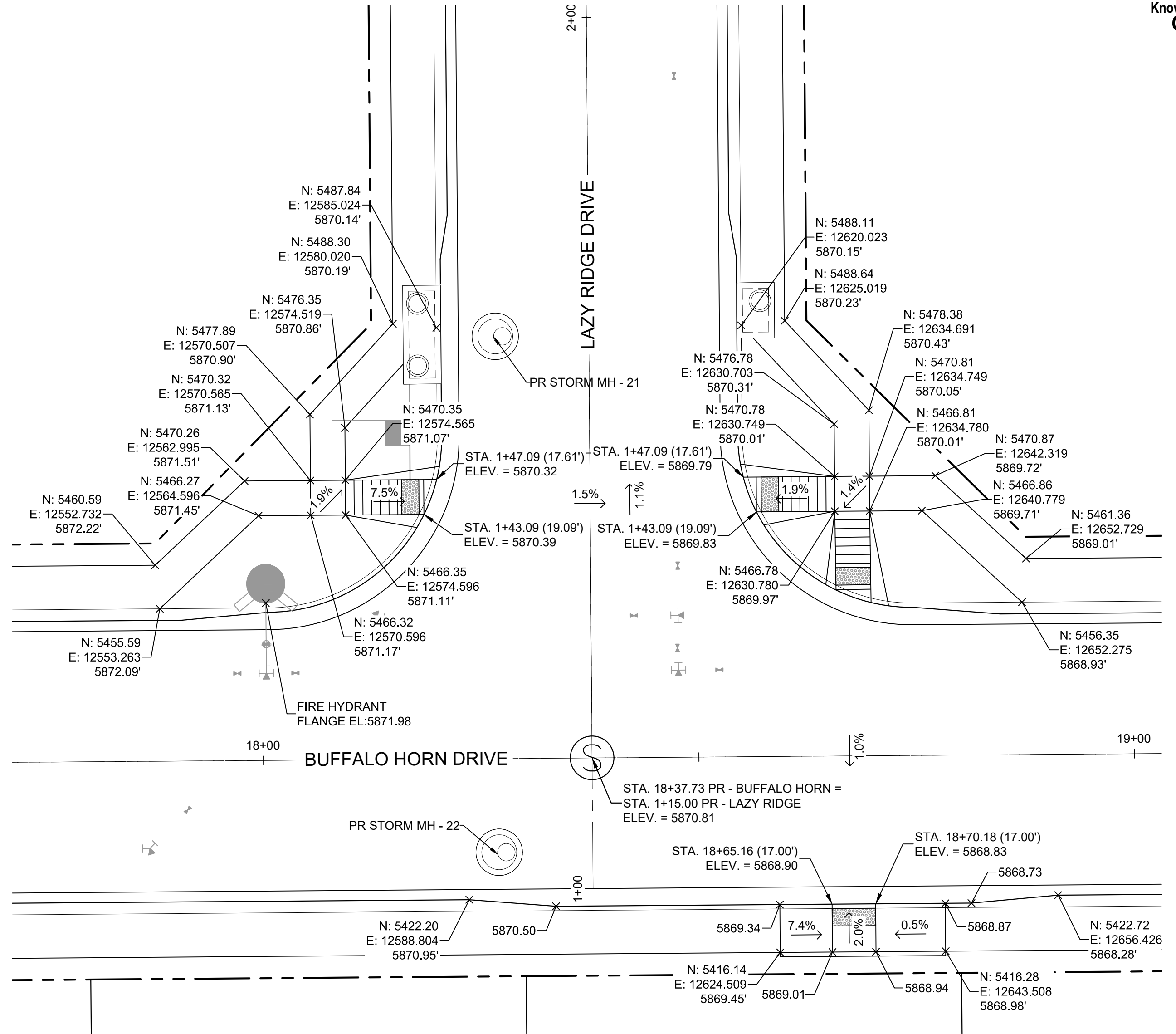
"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended."



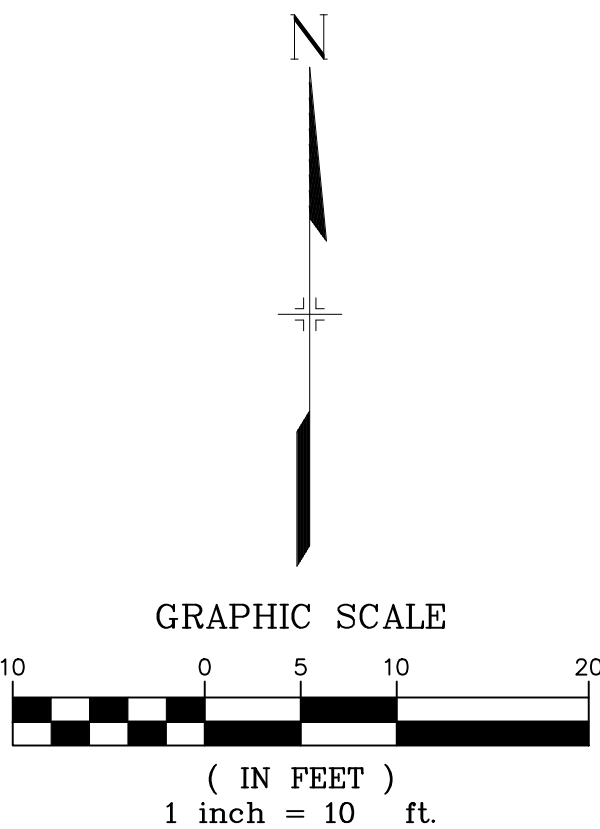
TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
ROADWAY PLAN & PROFILE			
DESIGNED BY: NMS	SCALE: 1"=40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RD15
CHECKED BY: NMS	VERT. 1"=8'	SHEET 37 OF 73	



DETAIL D
BUFFALO HORN DRIVE/
SIDEWINDER DRIVE
PED RAMP DETAILS



DETAIL E
BUFFALO HORN DRIVE/
LAZY RIDGE DRIVE
PED RAMP DETAILS



BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERTSEN 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 1/4
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

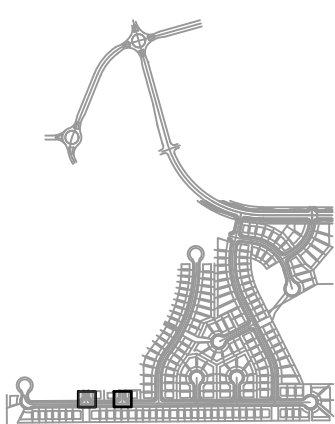
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\RD16-21.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 11:29:26 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

DESIGN DATA:
SIDEWALKS: WIDTH 5'
LOCATION: ATTACHED ☒ DETACHED ☐
DESIGN SPEED: 25 MPH
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E
ROW WIDTH 50' FL-FL 32.33'
STREET TYPE RESIDENTIAL

PAVEMENT:
TYPE: HMA ☐ PCC ☐
THICKNESS: _____

COMPOSITE SECTION:
HMA _____ BASE _____

SHEET KEY



REVIEW:
STREET DESIGN:
CURB & GUTTER REVIEW _____ DATE: _____
FINAL REVIEW _____ DATE: _____
DRAINAGE DESIGN:
BY: _____ DATE: _____
TRAFFIC DESIGN:
BY: _____ DATE: _____

"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.

PREPARED BY:



SEAL



FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE

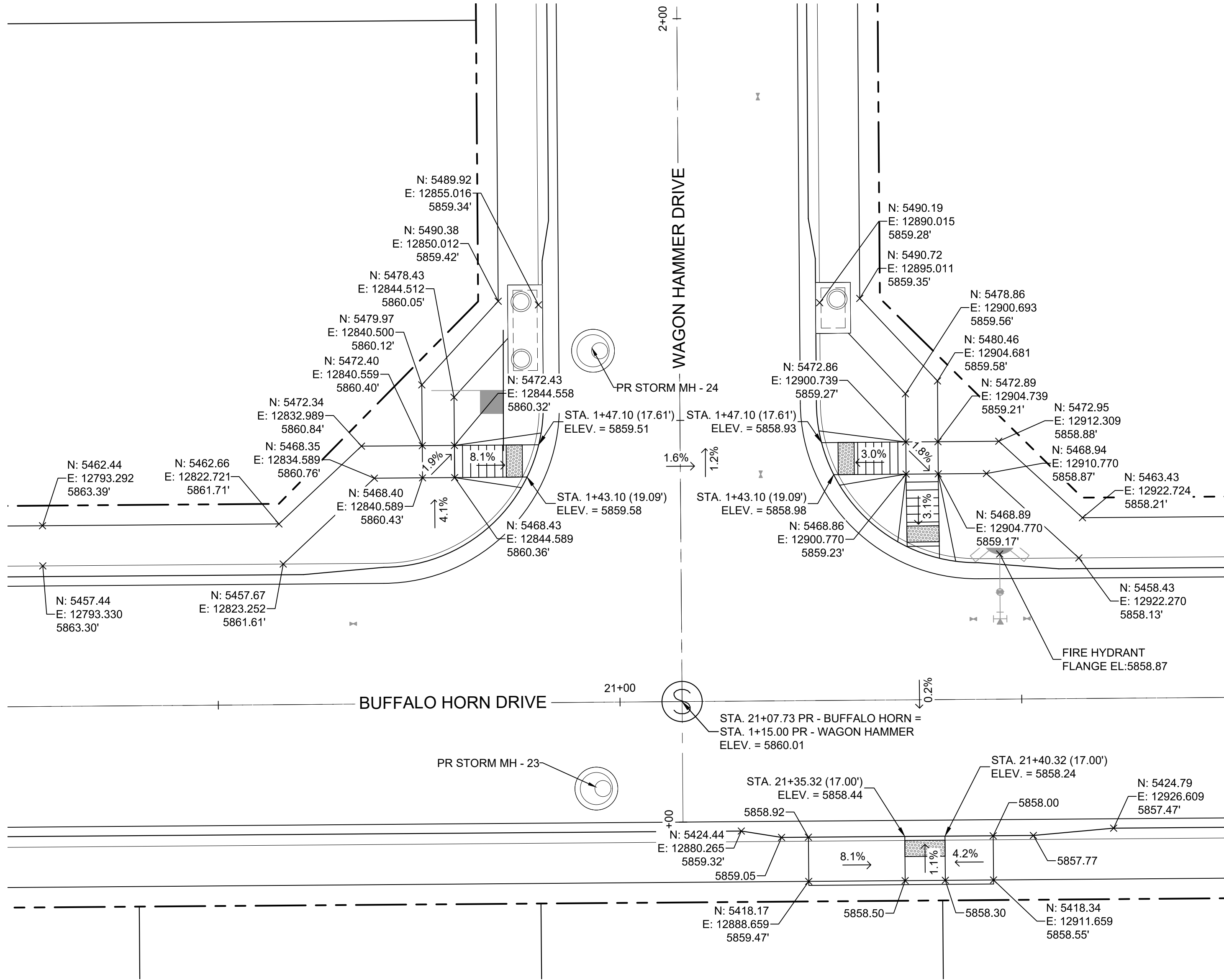
FILING NO. 1
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

INTERSECTION DETAILS

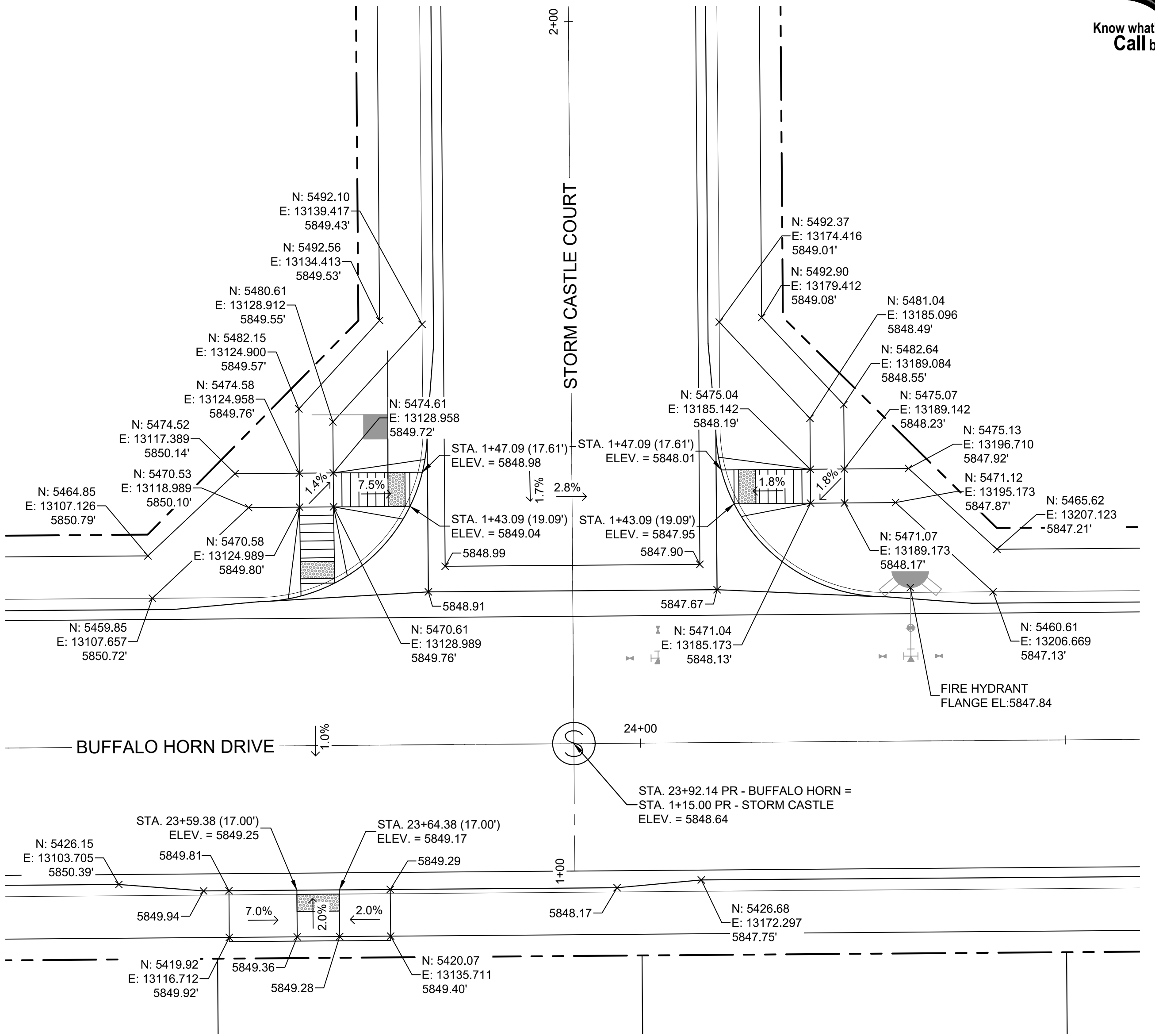
DESIGNED BY: NMS	SCALE: 1" = 10'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. INT01
CHECKED BY: NMS	VERT. N/A	SHEET 38 OF 73	



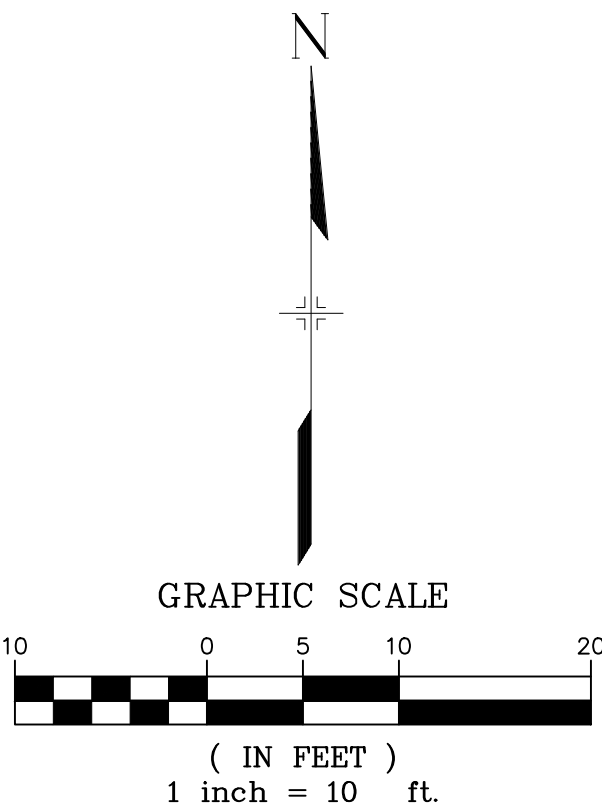
Know what's below.
Call before you dig.



DETAIL F
**BUFFALO HORN DRIVE/
WAGON HAMMER DRIVE**
PED RAMP DETAILS



DETAIL G
**BUFFALO HORN DRIVE/
STORM CASTLE COURT**
PED RAMP DETAILS



BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERTSEN 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

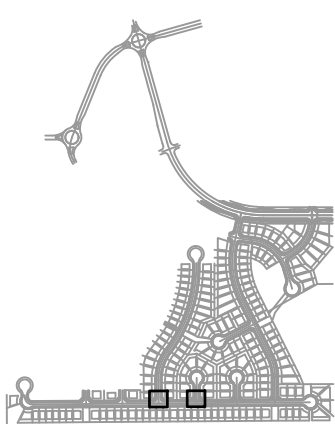
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST
QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF
THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST
CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS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

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\RD16-21.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 11:29:32 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

DESIGN DATA:
SIDEWALKS: WIDTH 5'
LOCATION: ATTACHED ☒ DETACHED ☐
DESIGN SPEED: 25 MPH
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E
ROW WIDTH 50' FL-FL 32.33'
STREET TYPE RESIDENTIAL

PAVEMENT:
TYPE: HMA ☐ PCC ☐
THICKNESS: _____
COMPOSITE SECTION:
HMA _____ BASE _____

SHEET KEY



REVIEW:

STREET DESIGN:
CURB & GUTTER REVIEW _____ DATE: _____
FINAL REVIEW _____ DATE: _____
DRAINAGE DESIGN:
BY: _____ DATE: _____
TRAFFIC DESIGN:
BY: _____ DATE: _____

"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.

PREPARED BY:



SEAL



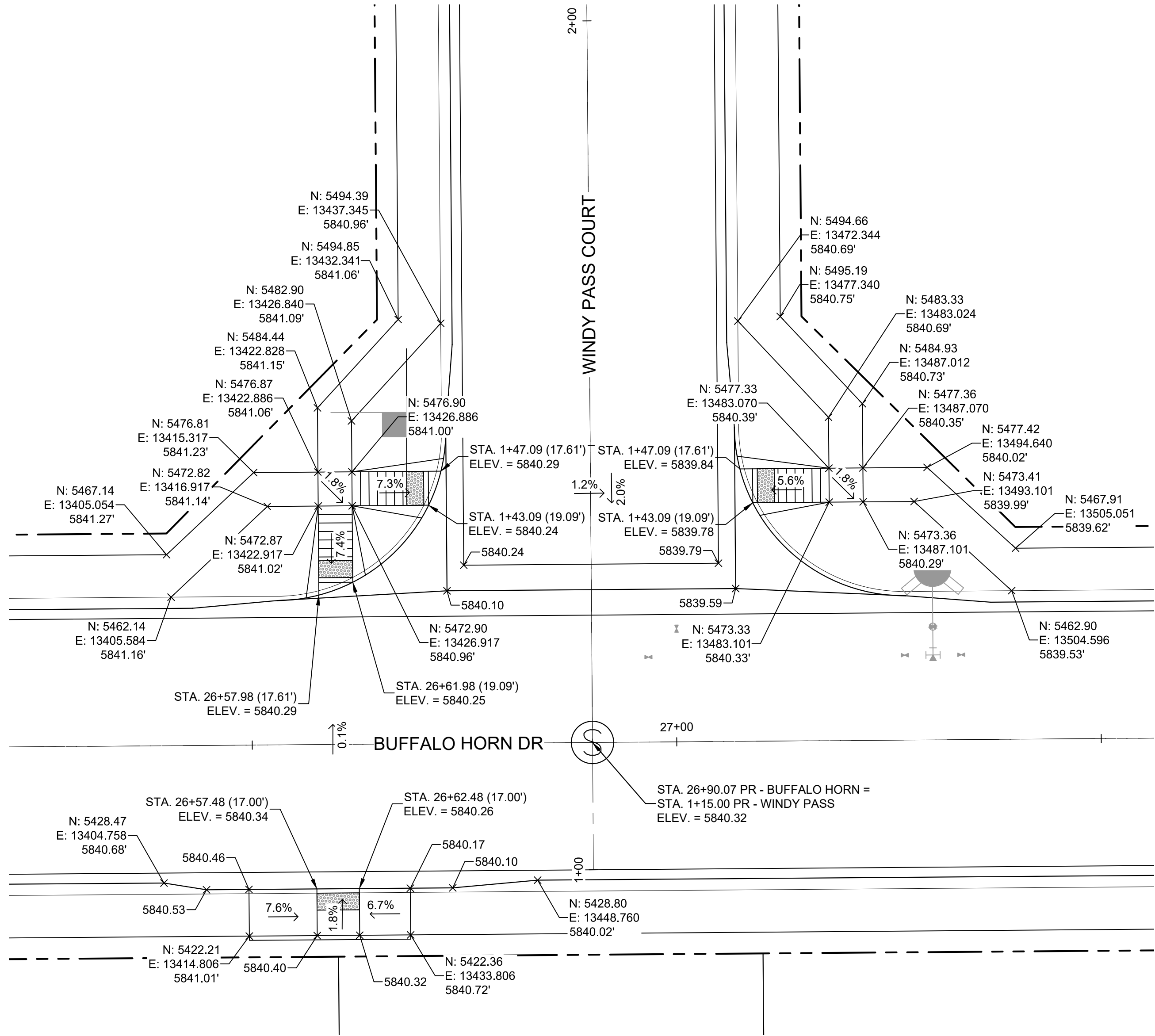
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE

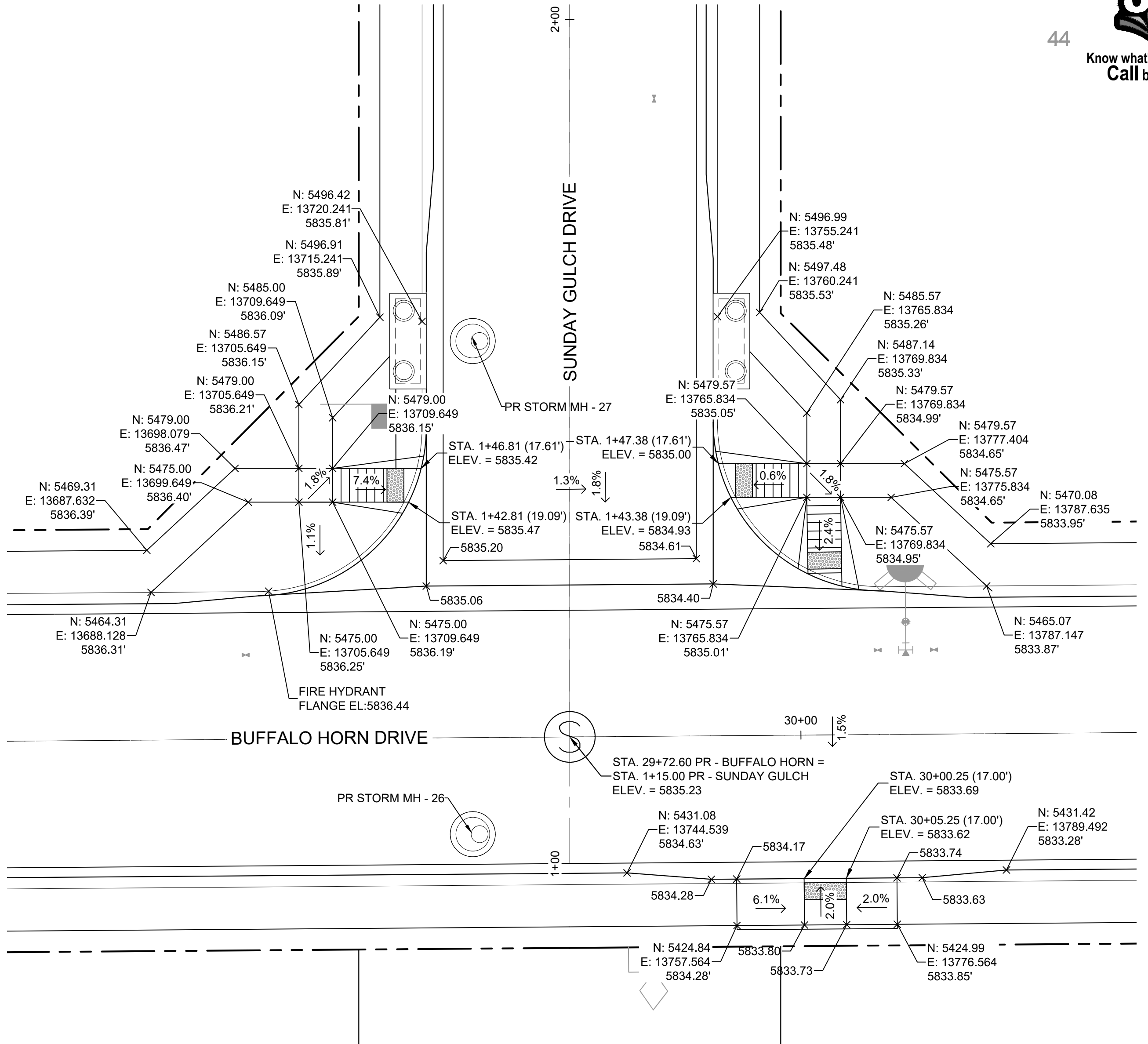
FILING NO. 1
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

INTERSECTION DETAILS

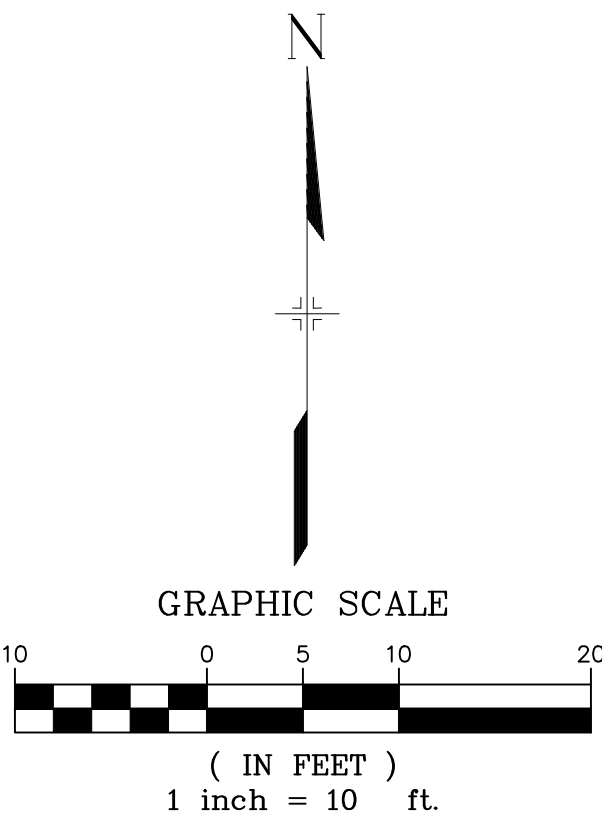
DESIGNED BY: NMS	SCALE: 1" = 10'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. INT02
CHECKED BY: NMS	VERT. N/A	SHEET 39 OF 73	



DETAIL H
BUFFALO HORN DRIVE/
WINDY PASS COURT
PED RAMP DETAILS



DETAIL I
BUFFALO HORN DRIVE/
SUNDAY GULCH DRIVE
PED RAMP DETAILS



BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERTSEN 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

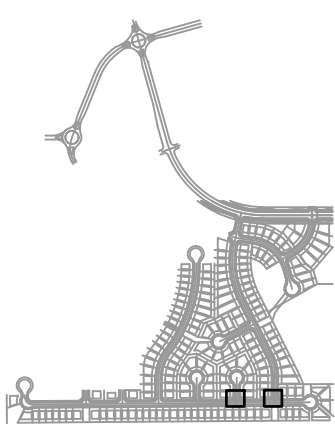
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST
QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF
THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST
CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS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

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\RD16-21.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 11:29:39 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

DESIGN DATA:
SIDEWALKS: WIDTH 5'
LOCATION: ATTACHED ☒ DETACHED ☐
DESIGN SPEED: 25 MPH
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E
ROW WIDTH 50' FL-FL 32.33'
STREET TYPE RESIDENTIAL

PAVEMENT:
TYPE: HMA ☐ PCC ☐
THICKNESS: _____
COMPOSITE SECTION:
HMA _____ BASE _____

SHEET KEY



REVIEW:
STREET DESIGN:
CURB & GUTTER REVIEW _____ DATE: _____
FINAL REVIEW _____ DATE: _____
DRAINAGE DESIGN:
BY: _____ DATE: _____
TRAFFIC DESIGN:
BY: _____ DATE: _____

"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended."

PREPARED BY:



SEAL



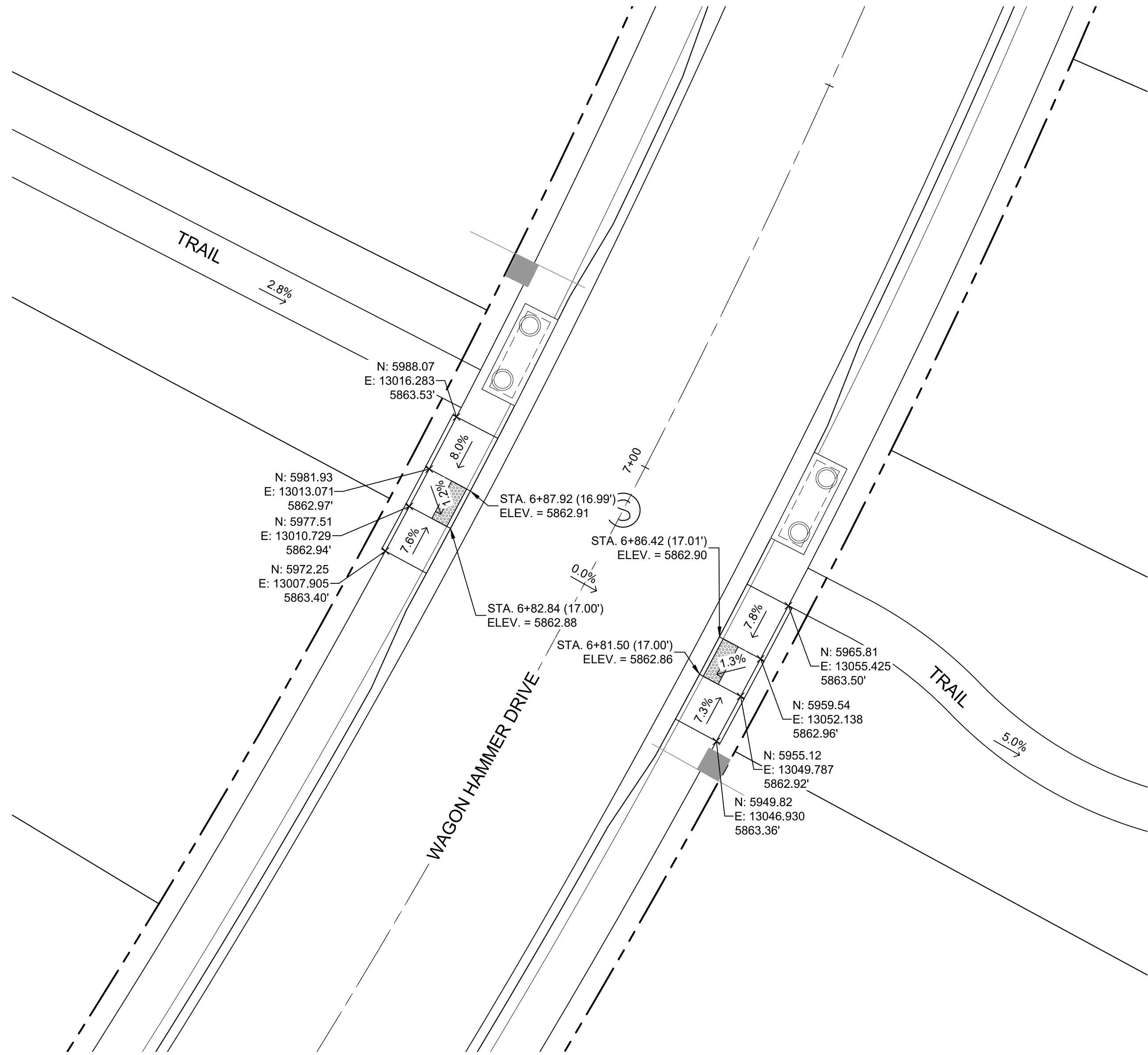
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE

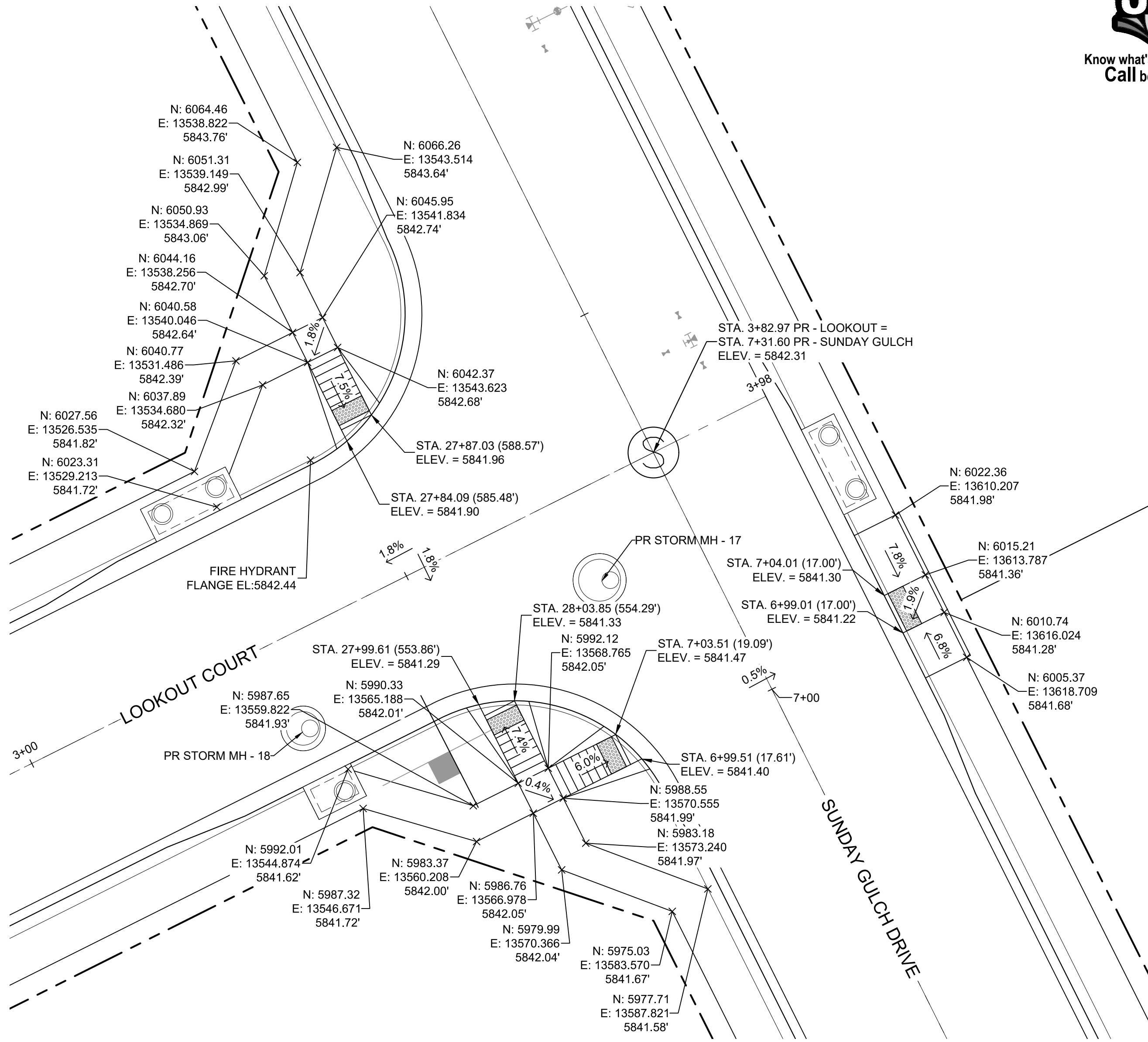
FILING NO. 1
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

INTERSECTION DETAILS

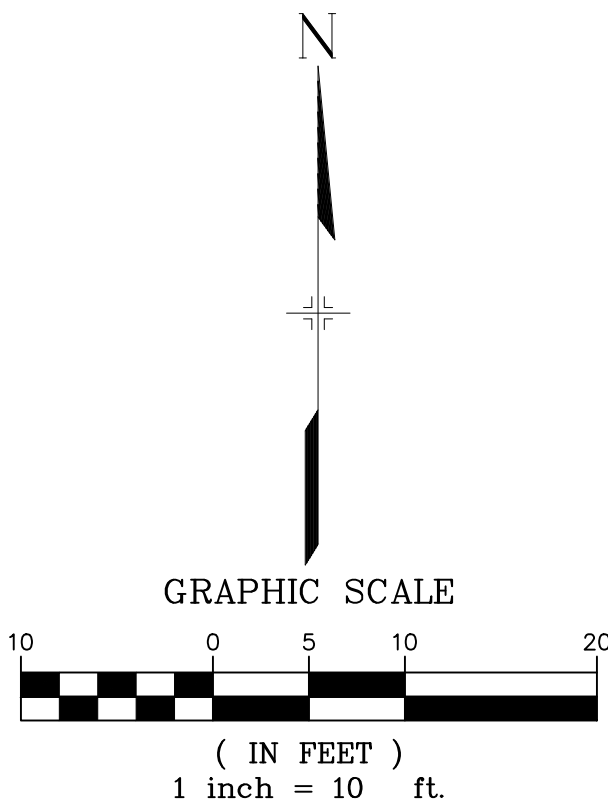
DESIGNED BY: NMS	SCALE: 1" = 10'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. INT03
CHECKED BY: NMS	VERT. N/A	SHEET 40 OF 73	



DETAIL J
**WAGON HAMMER DRIVE/
TRACT G TRAIL
PED RAMP DETAILS**



DETAIL K
**LOOKOUT DRIVE/
SUNDAY GULCH DRIVE
PED RAMP DETAILS**

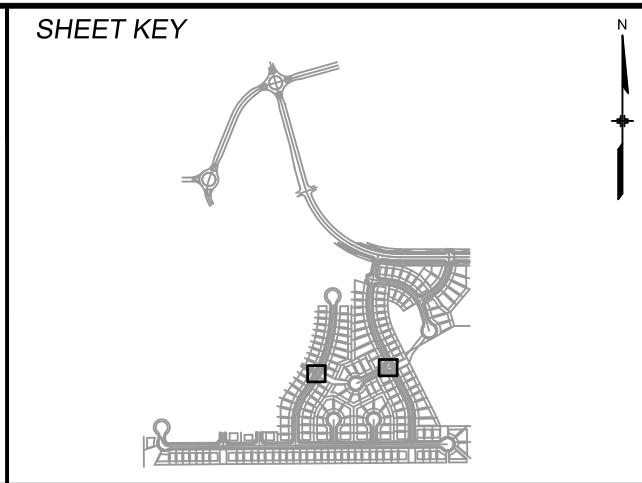


BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE
NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS
BOULEVARD,
ELEVATION - 5897.89' U.S. SURVEY FT

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 1/4
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\RD16-21.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 11:29:45 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

DESIGN DATA:		PAVEMENT:	
SIDEWALKS: WIDTH	5'	TYPE: HMA	<input type="checkbox"/> PCC
LOCATION: ATTACHED	<input checked="" type="checkbox"/>	THICKNESS:	
DESIGN SPEED:	25 MPH		
CURB TYPE	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E	COMPOSITE SECTION:	HMA <input type="checkbox"/> BASE
ROW WIDTH	50'		
STREET TYPE	RESIDENTIAL		



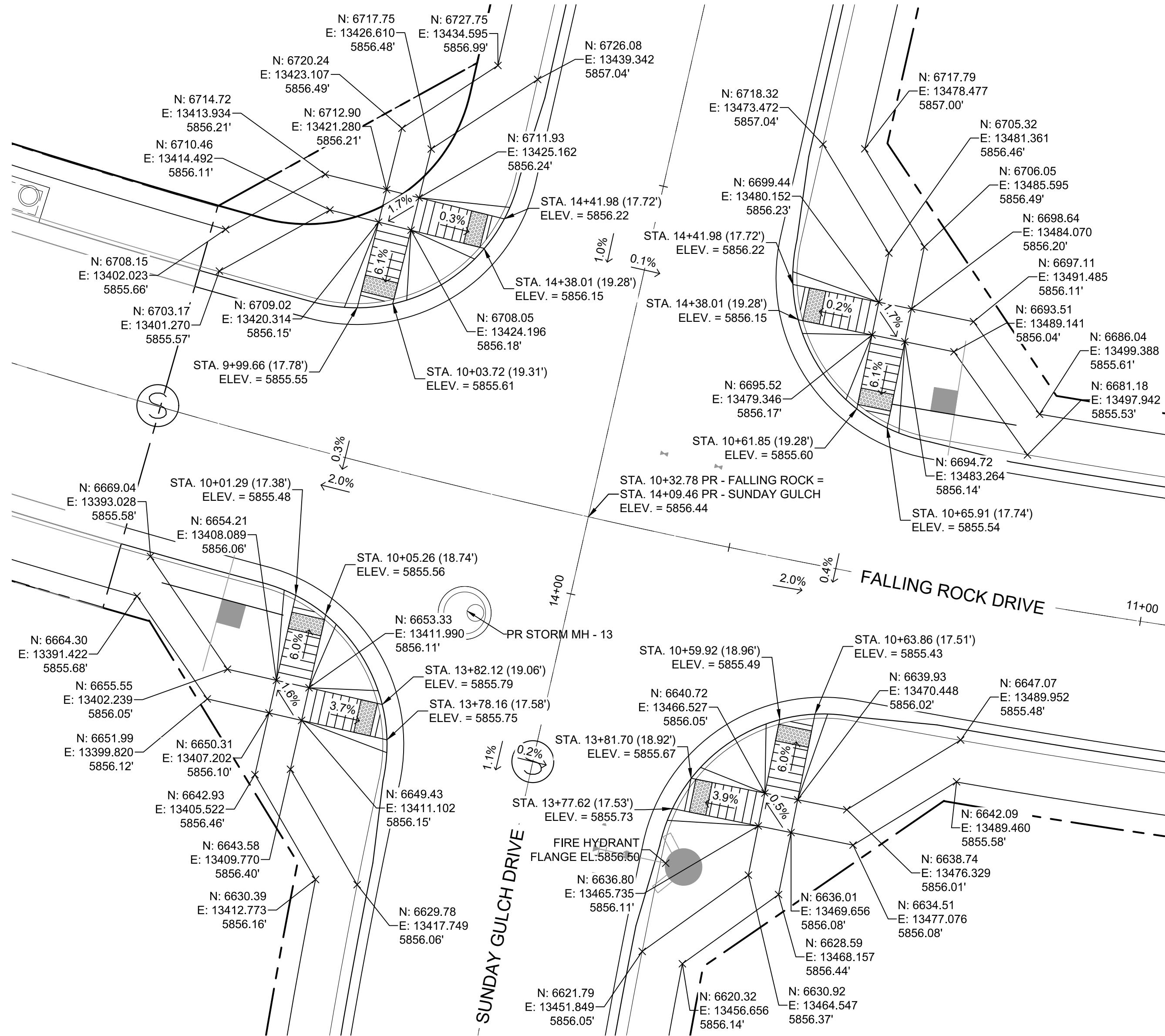
REVIEW:	
STREET DESIGN:	
CURB & GUTTER REVIEW	DATE: _____
FINAL REVIEW	DATE: _____
DRAINAGE DESIGN:	DATE: _____
TRAFFIC DESIGN:	DATE: _____
"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended."	



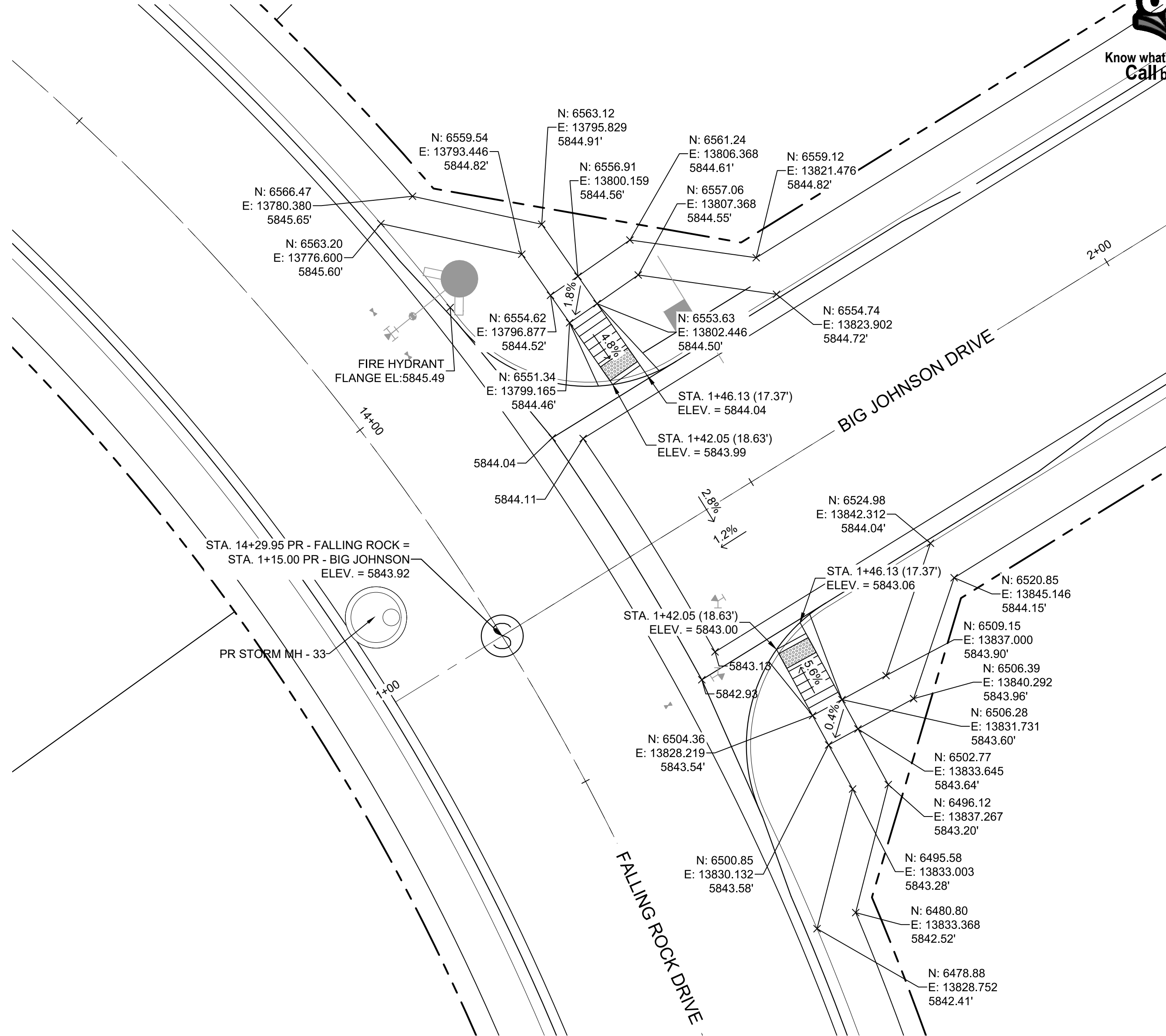
TRAILS AT ASPEN RIDGE			
FILING NO. 1			
ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
INTERSECTION DETAILS			
DESIGNED BY: NMS	SCALE: 1" = 10'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. INT04
CHECKED BY: NMS	VERT. N/A	SHEET 41 OF 73	



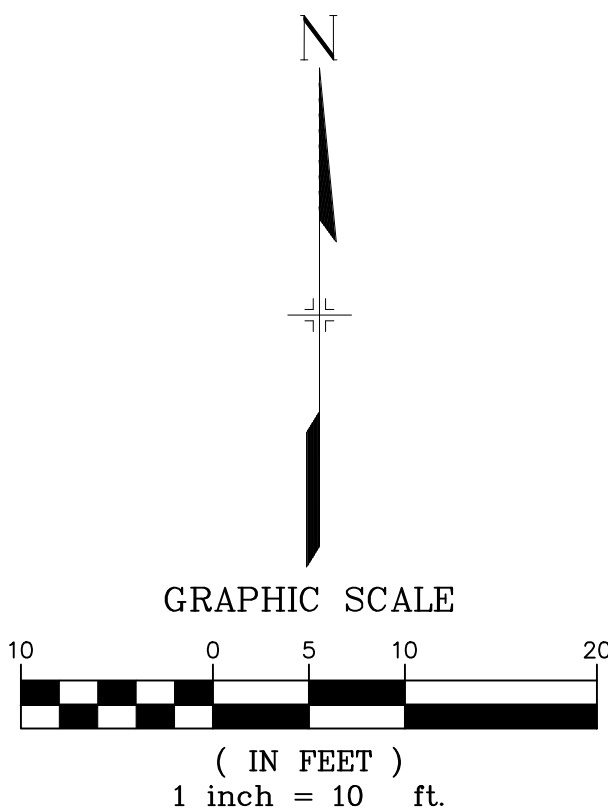
Know what's below.
Call before you dig.



DETAIL L
SUNDAY GULCH DRIVE/
FALLING ROCK DRIVE
PED RAMP DETAILS



DETAIL M
FALLING ROCK DRIVE/
BIG JOHNSON DRIVE
PED RAMP DETAILS

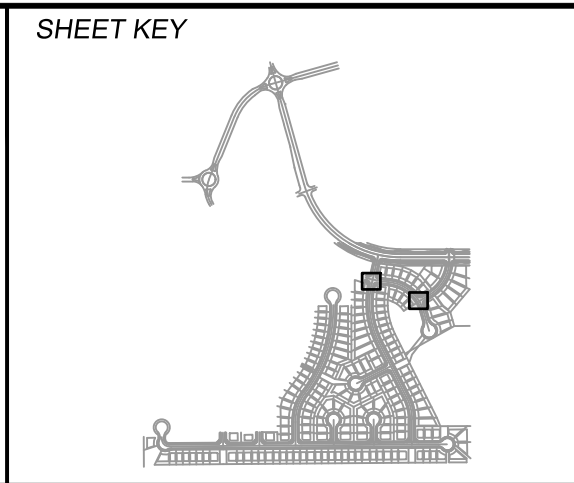


BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE
NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS
BOULEVARD,
ELEVATION - 5897.89' U.S. SURVEY FT

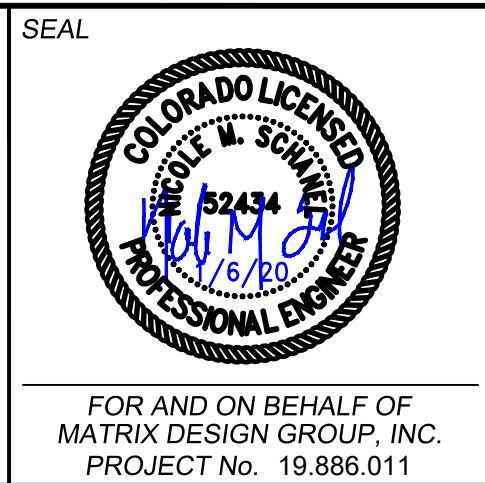
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST
QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF
THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST
CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS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

No.	DATE	DESCRIPTION	BY
REVISIONS			
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\RD16-21.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 11:29:51 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

DESIGN DATA:	
SIDEWALKS: WIDTH 5'	PAVEMENT: TYPE: HMA <input type="checkbox"/> PCC <input type="checkbox"/>
LOCATION: ATTACHED <input checked="" type="checkbox"/> DETACHED <input type="checkbox"/>	THICKNESS: _____
DESIGN SPEED: 25 MPH	COMPOSITE SECTION: HMA _____ BASE _____
CURB TYPE <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E	
ROW WIDTH 50' FL-FL 32.33'	
STREET TYPE RESIDENTIAL	



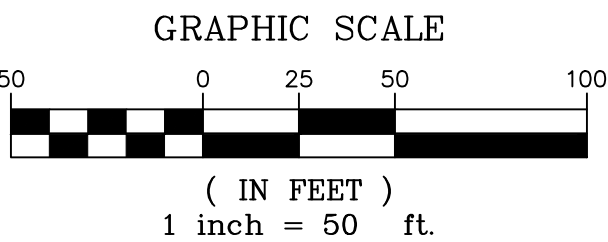
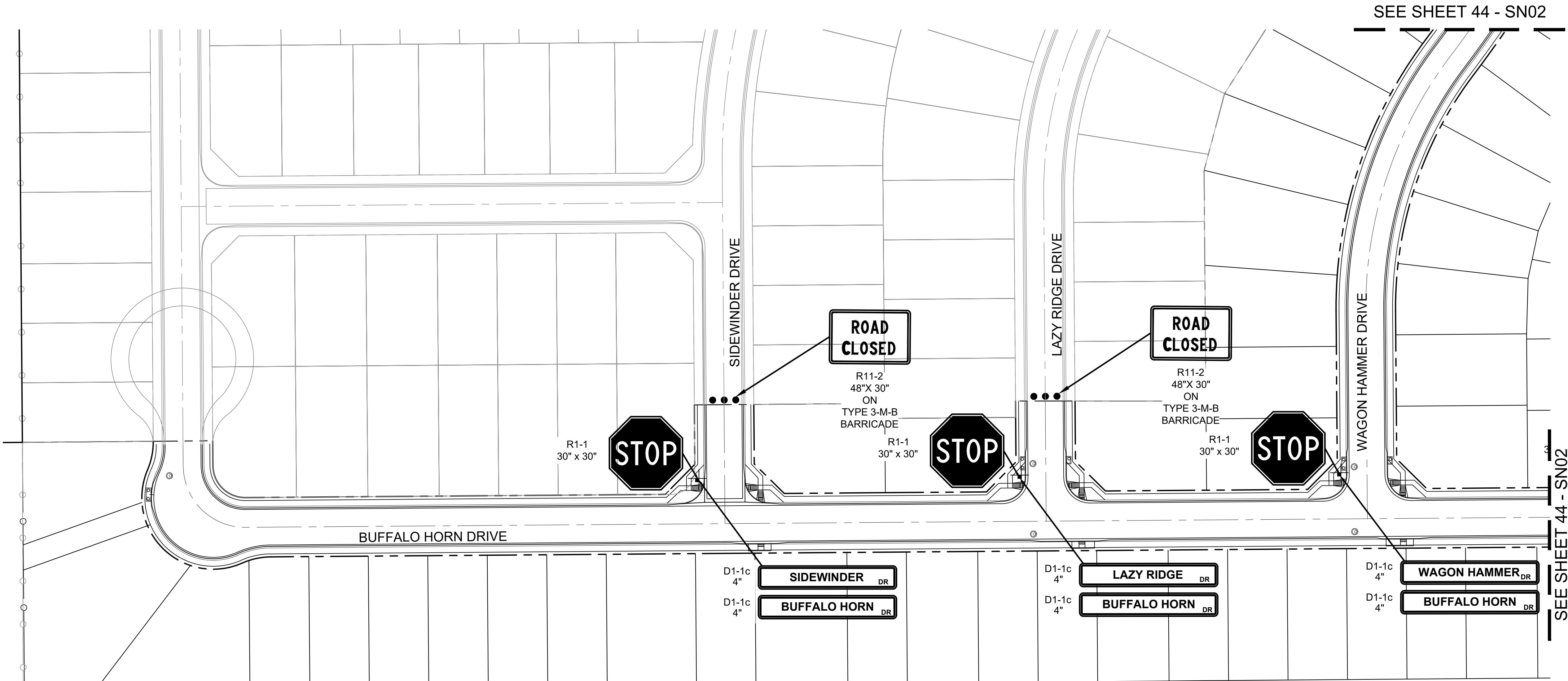
REVIEW:	
STREET DESIGN:	
CURB & GUTTER REVIEW _____	DATE: _____
FINAL REVIEW _____	DATE: _____
DRAINAGE DESIGN: BY: _____	DATE: _____
TRAFFIC DESIGN: BY: _____	DATE: _____
"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended."	



TRAILS AT ASPEN RIDGE			
FILING NO. 1			
ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
INTERSECTION DETAILS			
DESIGNED BY: NMS	SCALE: 1" = 10'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. INT05
CHECKED BY: NMS	VERT. N/A	SHEET 42 OF 73	



Know what's below.
Call before you dig.



BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERTSEN 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 1/4
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

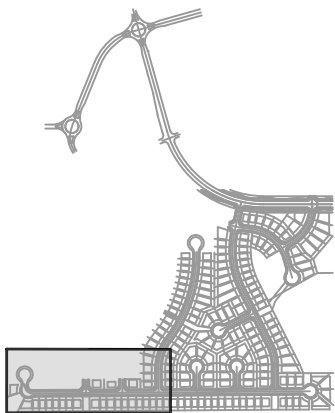
No.	DATE	DESCRIPTION	BY
REVISIONS			
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\SN01.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 11:30:13 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

DESIGN DATA:
SIDEWALKS: WIDTH 5'
LOCATION: ATTACHED ☒ DETACHED ☐
DESIGN SPEED: 25 MPH
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E
ROW WIDTH 50' FL-FL 32.33'
STREET TYPE RESIDENTIAL

PAVEMENT:
TYPE: HMA ☐ PCC ☐
THICKNESS: _____

COMPOSITE SECTION:
HMA _____ BASE _____

SHEET KEY



REVIEW:
STREET DESIGN:
CURB & GUTTER REVIEW _____ DATE: _____
FINAL REVIEW _____ DATE: _____
DRAINAGE DESIGN:
BY: _____ DATE: _____
TRAFFIC DESIGN:
BY: _____ DATE: _____

"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended."

PREPARED BY:

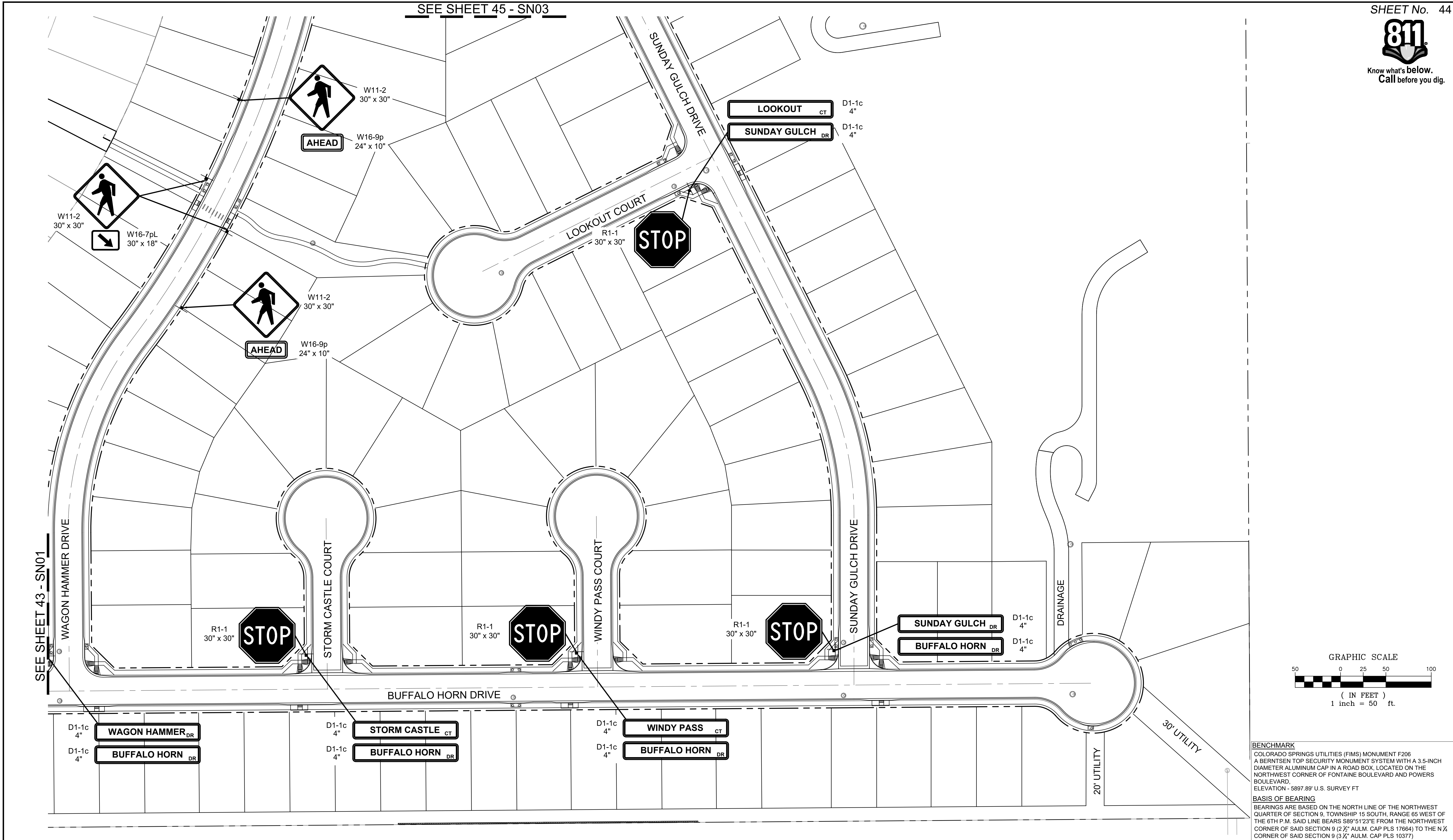


SEAL

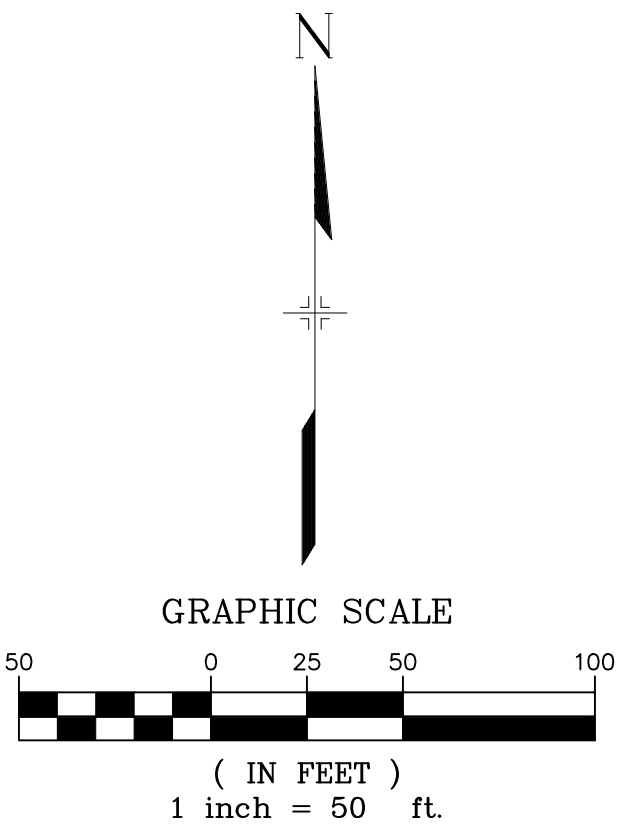
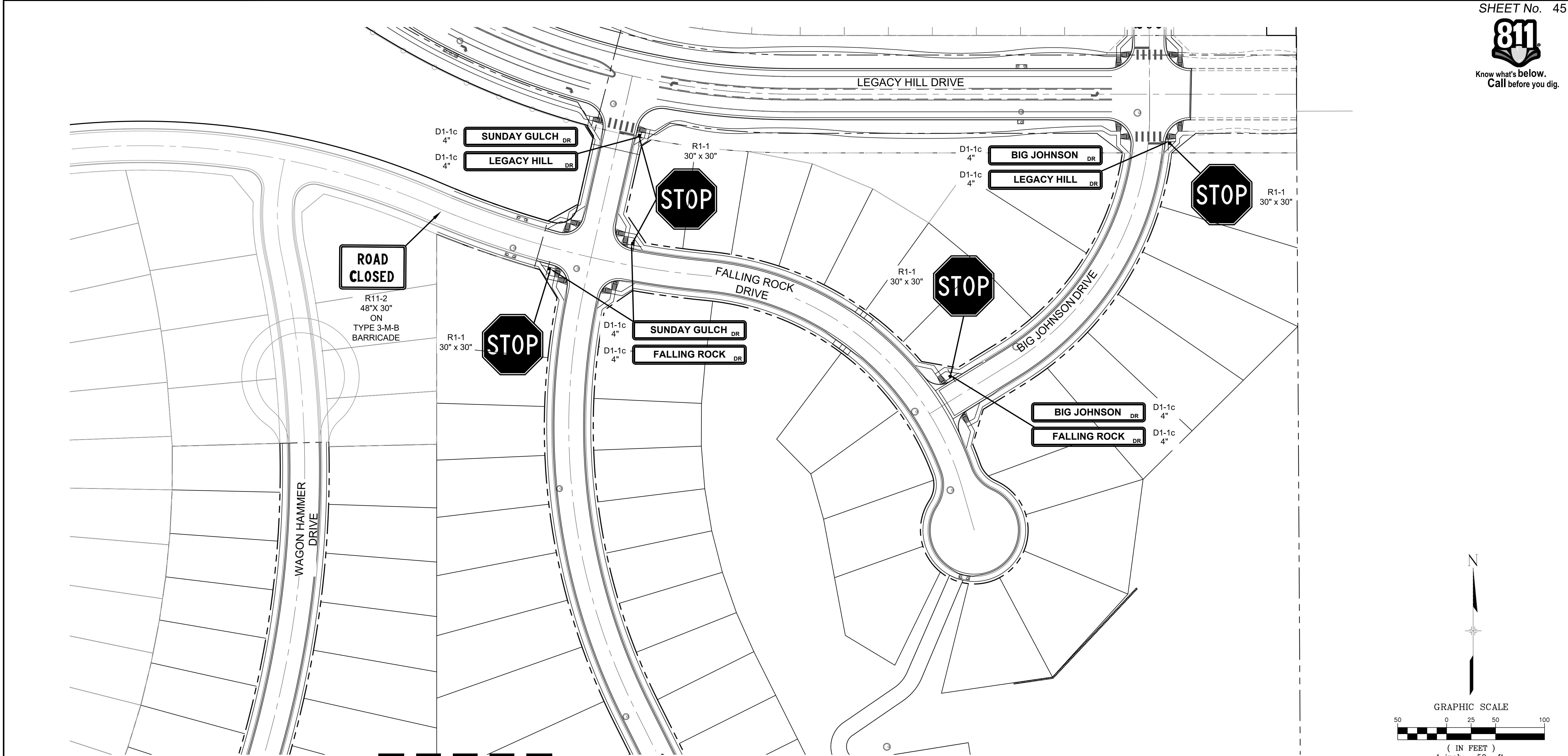


FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1			
ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
FILING 1 SIGNAGE PLAN			
DESIGNED BY: NMS	SCALE	DATE ISSUED: SEPTEMBER, 2019	DRAWING No.
DRAWN BY: TJC	HORIZ 1" = 50'	SHEET	43 OF 73
CHECKED BY: NMS	VERT. N/A		SN01



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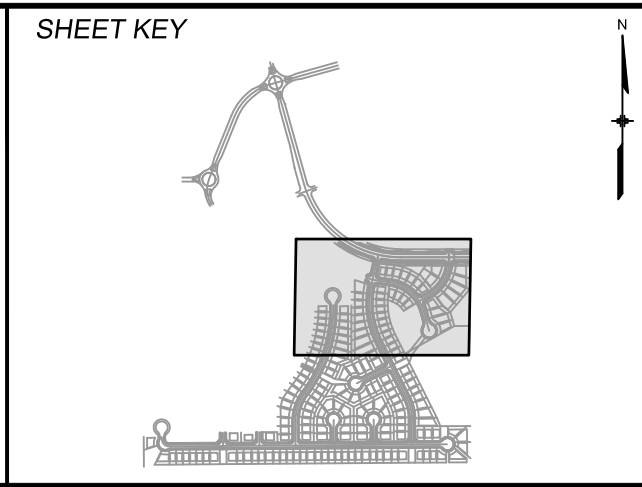


BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE
NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS
BOULEVARD,
ELEVATION - 5897.89' U.S. SURVEY FT

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 1/4
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
REVISIONS			
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\SN01.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 11:30:18 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

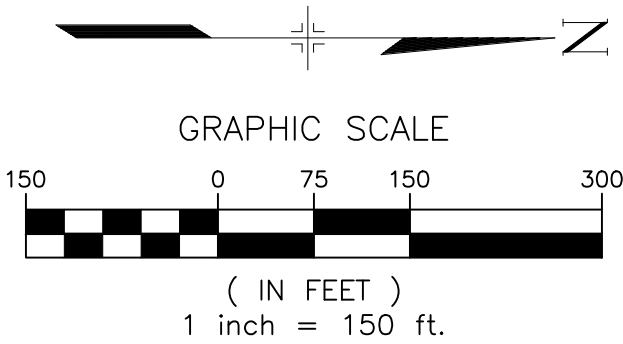
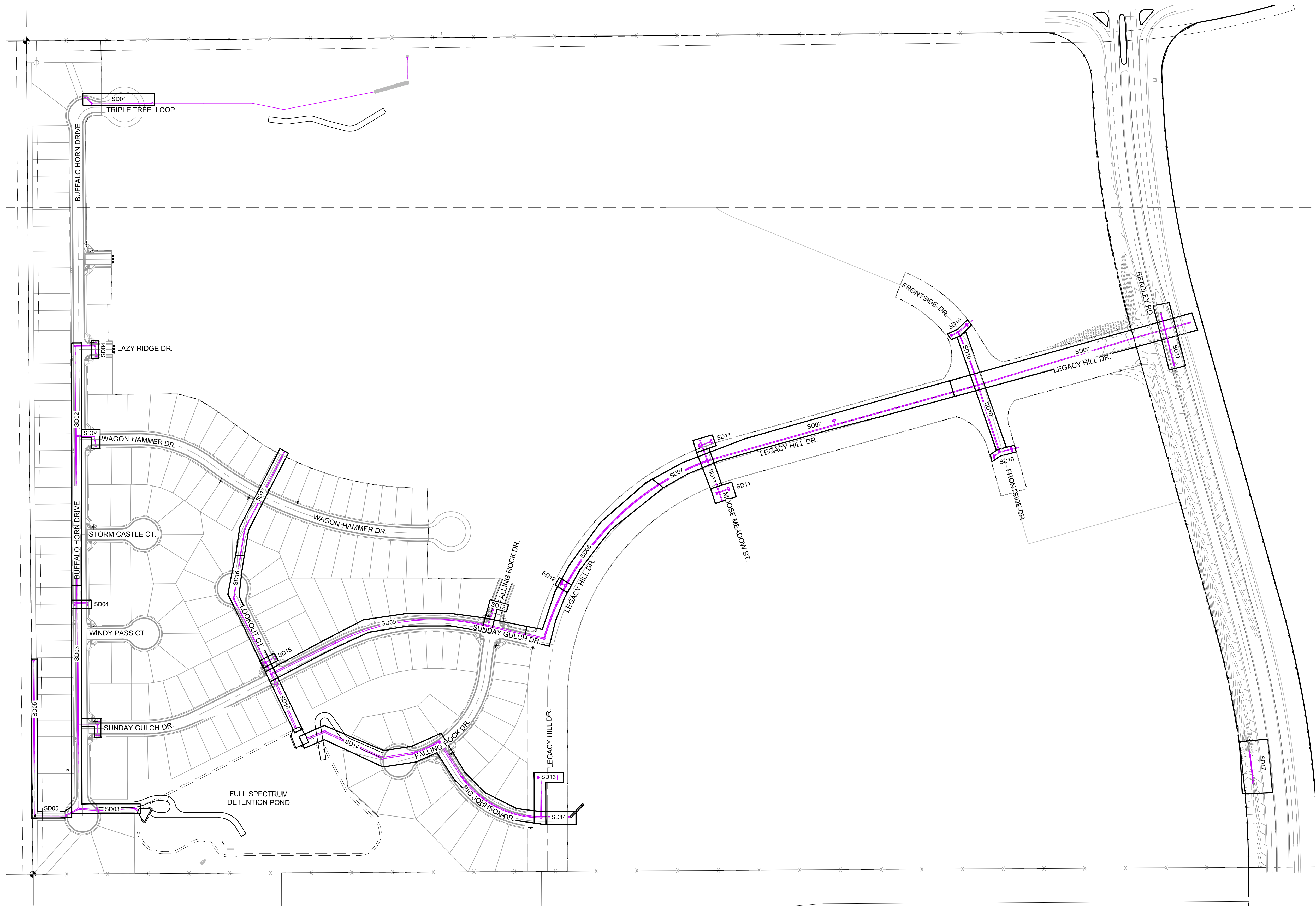
DESIGN DATA:	
SIDEWALKS: WIDTH 5'	PAVEMENT: TYPE: HMA <input type="checkbox"/> PCC <input type="checkbox"/>
LOCATION: ATTACHED <input checked="" type="checkbox"/> DETACHED <input type="checkbox"/>	THICKNESS: _____
DESIGN SPEED: 25 MPH	COMPOSITE SECTION: HMA _____ BASE _____
CURB TYPE <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E	
ROW WIDTH 50' FL-FL 32.33'	
STREET TYPE RESIDENTIAL	



REVIEW:	
STREET DESIGN:	
CURB & GUTTER REVIEW _____	DATE: _____
FINAL REVIEW _____	DATE: _____
DRAINAGE DESIGN:	
BY: _____	DATE: _____
TRAFFIC DESIGN:	
BY: _____	DATE: _____
"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended."	



TRAILS AT ASPEN RIDGE			
FILING NO. 1			
ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
FILING 1 SIGNAGE PLAN			
DESIGNED BY: NMS	SCALE: 1" = 50'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SN03
DRAWN BY: TJC	HORIZ. N/A	SHEET 45 OF 73	
CHECKED BY: NMS	VERT. N/A		



REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\SD00.dwg			
CTB FILE: ----			
PLOT DATE: January 23, 2020 11:33:03 AM			
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

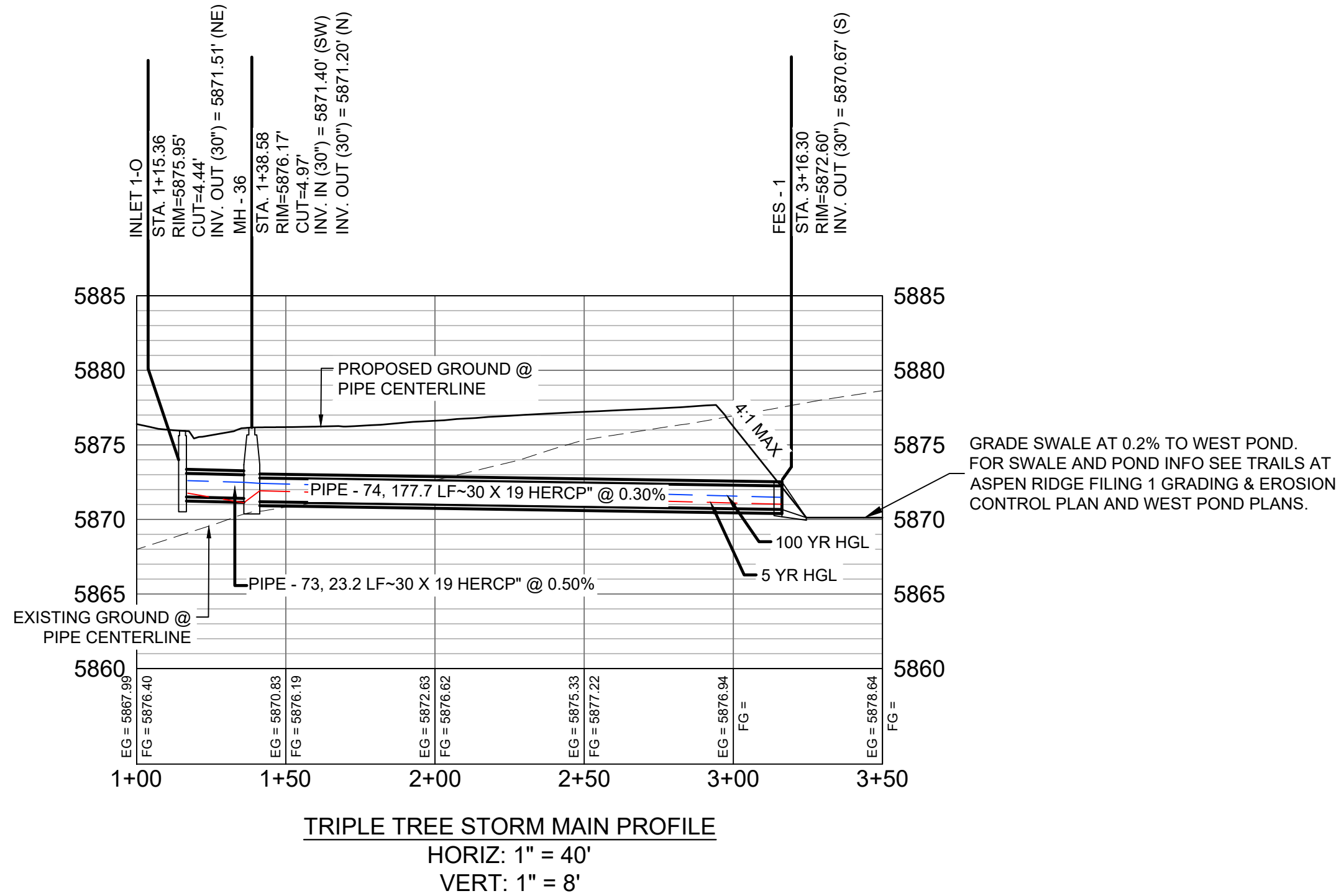
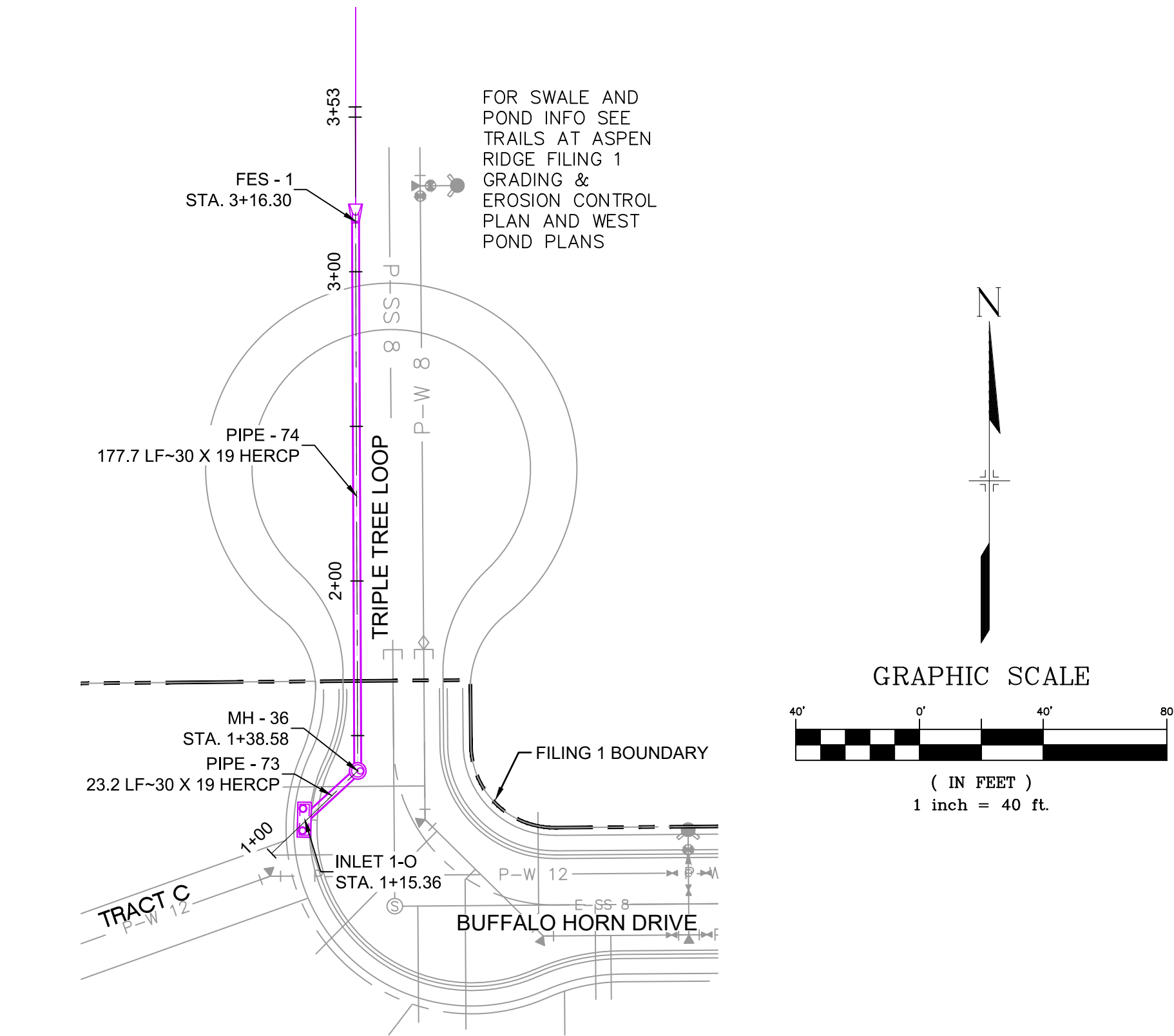
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS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



SEAL

FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE				
FILING NO. 1				
ROADWAY & STORM IMPROVEMENT PLANS				
STORM SHEET KEY				
DESIGNED BY:	KMZ	SCALE	DATE ISSUED:	SEPTEMBER, 2019
DRAWN BY:	LCB	HORIZ	1" = 150'	
CHECKED BY:	NMS	VERT.	N.A.	SHEET
46 OF 73				DRAWING No. SDX1



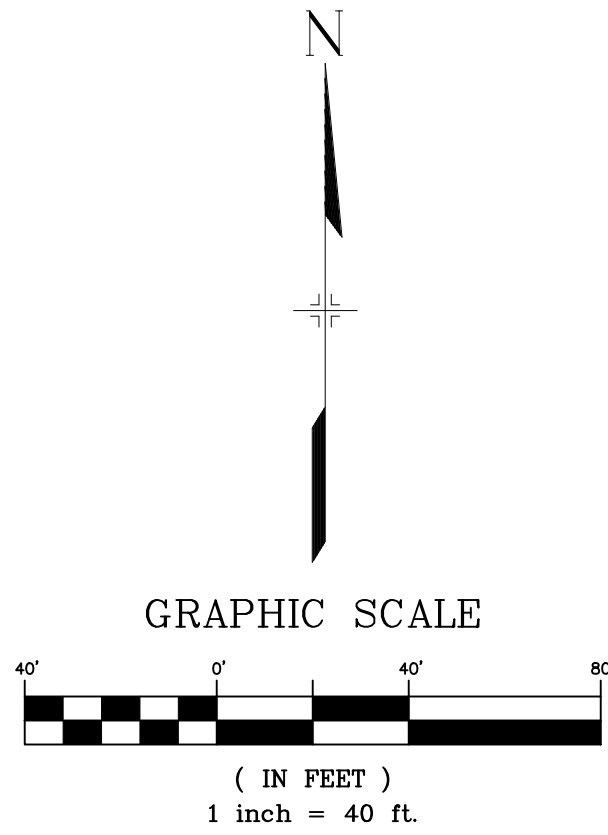
PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 73	N47°25'33"E	23.2'	0.50%	30" RCP
PIPE - 74	N00°13'35"W	177.7'	0.30%	30" RCP

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
FES - 1	24" FES	RIM = 5872.60 PIPE - 74 INV IN (30") = 5870.67	N: 5654.37 E: 11865.23
INLET 1-O	10' SUMP TYPE R INLET	RIM = 5875.95 PIPE - 73 INV OUT (30") = 5871.51	N: 5460.93 E: 11848.83
MH - 36	4' TYPE II MH	RIM = 5876.17 PIPE - 73 INV IN (30") = 5871.40 PIPE - 74 INV OUT (30") = 5871.20	N: 5476.64 E: 11865.94

- NOTES:
- ALL STATION, OFFSET, AND NORTHING/EASTING VALUES ARE TO THE CENTER OF ALL STRUCTURES UNLESS OTHERWISE NOTED.
 - PIPE LENGTHS ARE MEASURED FROM CENTER TO CENTER OF ALL STRUCTURES.
 - ALL PIPE BENDS ANGLES ARE MEASURED FROM THE CENTER OF PIPE.
 - CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING STRUCTURES.
 - TOP OF BOX ELEVATIONS GIVEN FOR CDOT TYPE R INLETS REFER TO THE COUNTY STANDARD DETAIL FOR CORRESPONDING DESIGN ELEVATIONS.
 - ALL RCP PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.
 - PIPES OF DIFFERENT SIZES ARE TO BE MATCHED TO THE CROWN OF THE INSIDE WALL OF PIPE.
 - ALL TYPE C INLETS ARE TO COLORADO DEPARTMENT OF TRANSPORTATION STANDARD TYPE M-604-10.
 - 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."
 - 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.B.2.

REFERENCE DRAWINGS					SHEET KEY 	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 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)	PREPARED BY: 	SEAL 	TRAILS AT ASPEN RIDGE			
	FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS											
	STORM DRAIN PLAN & PROFILE											
	DESIGNED BY: KMB DRAWN BY: LCB CHECKED BY: NMS	SCALE HORIZ 1" = 40' VERT. 1" = 8'	DATE ISSUED: SEPTEMBER, 2019 SHEET 47 OF 73	DRAWING No. SD01								

No.	DATE	DESCRIPTION REVISIONS	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\SD01-05.dwg			
CTB FILE: ----			
PLOT DATE: January 23, 2020 11:35:22 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

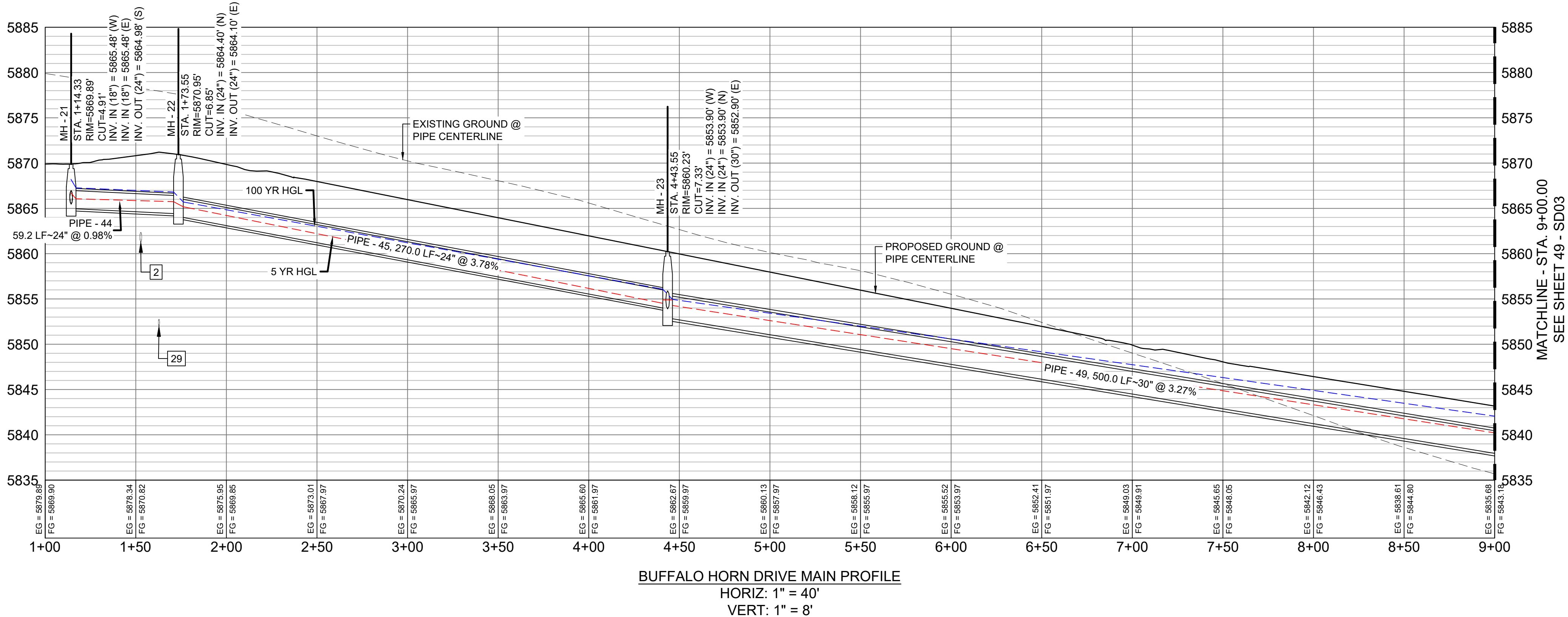
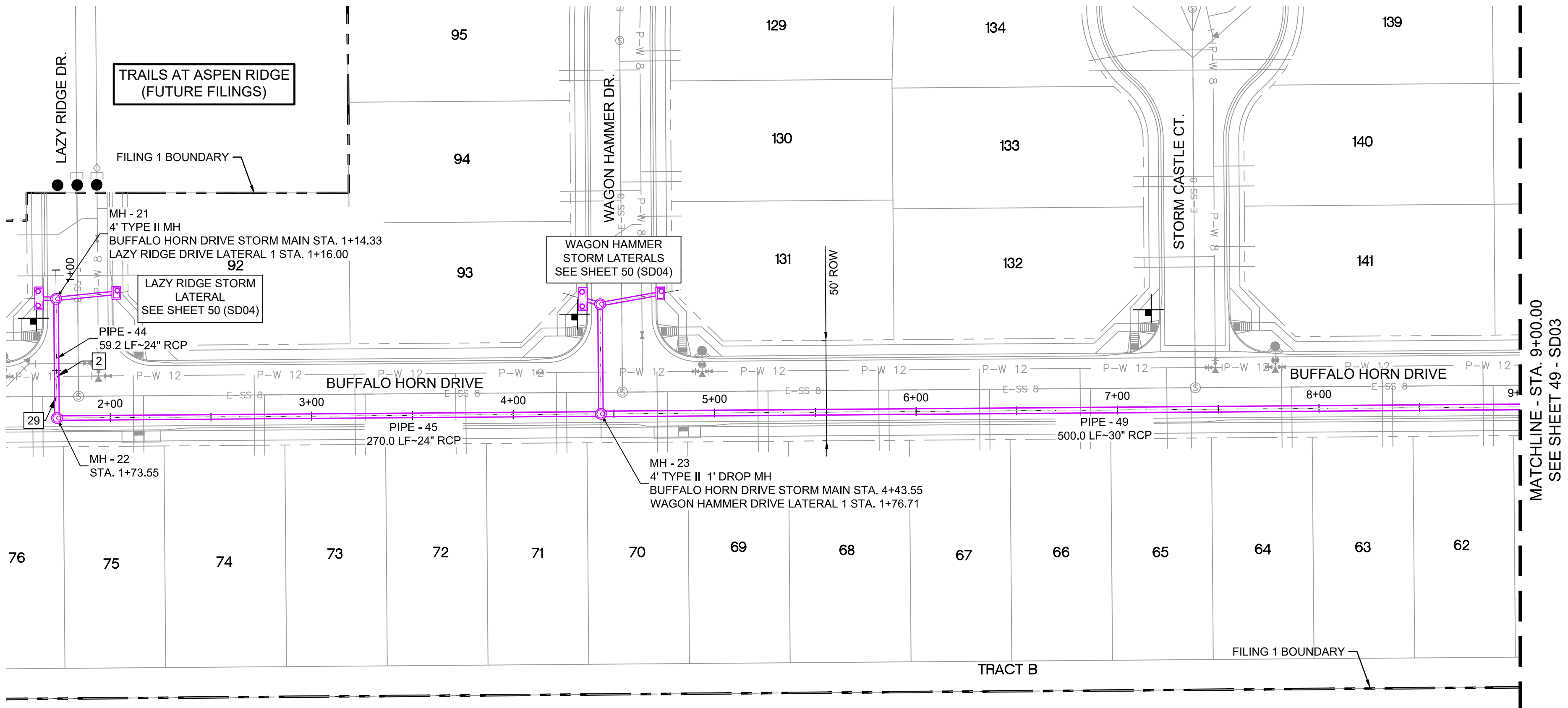


UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
2	N 5,448.39 E 12,592.08	12" PVC WATER 5862.36	24" RCP STORM 5864.36	2.00'
29	N 5,438.39 E 12,592.15	8" PVC SAN 5852.77	24" RCP STORM 5864.27	11.50'

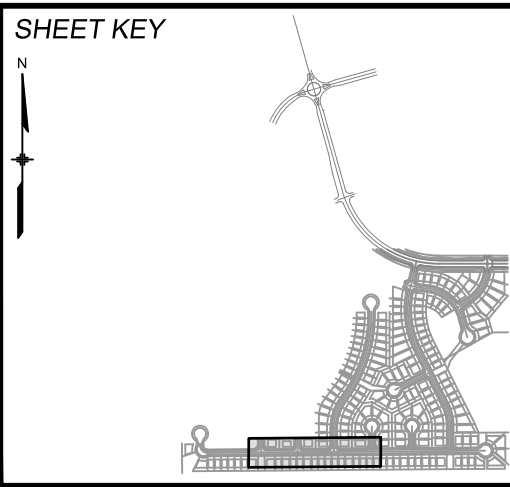
PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 44	S00°26'25"E	59.2'	0.98%	24" RCP
PIPE - 45	N89°33'35"E	270.0'	3.78%	24" RCP
PIPE - 49	N89°33'35"E	500.0'	3.27%	30" RCP

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
MH - 21	4' TYPE II MH	RIM = 5869.89 PIPE - 42 INV IN (18") = 5865.48 PIPE - 43 INV IN (18") = 5865.48 PIPE - 44 INV OUT (24") = 5864.98	N: 5486.86 E: 12591.78
MH - 22	4' TYPE II MH	RIM = 5870.95 PIPE - 44 INV IN (24") = 5864.40 PIPE - 45 INV OUT (24") = 5864.10	N: 5427.64 E: 12592.24
MH - 23	4' TYPE II 1' DROP MH	RIM = 5860.23 PIPE - 45 INV IN (24") = 5853.90 PIPE - 46 INV IN (24") = 5853.90 PIPE - 49 INV OUT (30") = 5852.90	N: 5429.71 E: 12862.23

- NOTES:
- ALL STATION, OFFSET, AND NORTHING/EASTING VALUES ARE TO THE CENTER OF ALL STRUCTURES UNLESS OTHERWISE NOTED.
 - PIPE LENGTHS ARE MEASURED FROM CENTER TO CENTER OF ALL STRUCTURES.
 - ALL PIPE BENDS ANGLES ARE MEASURED FROM THE CENTER OF PIPE.
 - CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING STRUCTURES.
 - TOP OF BOX ELEVATIONS GIVEN FOR CDOT TYPE R INLETS REFER TO THE COUNTY STANDARD DETAIL FOR CORRESPONDING DESIGN ELEVATIONS.
 - ALL RCP PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.
 - PIPES OF DIFFERENT SIZES ARE TO BE MATCHED TO THE CROWN OF THE INSIDE WALL OF PIPE.
 - ALL TYPE C INLETS ARE TO COLORADO DEPARTMENT OF TRANSPORTATION STANDARD TYPE M-604-10.
 - 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."
 - 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.B.2.

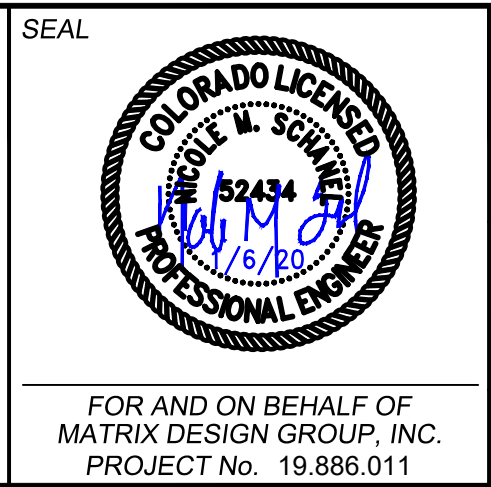


REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
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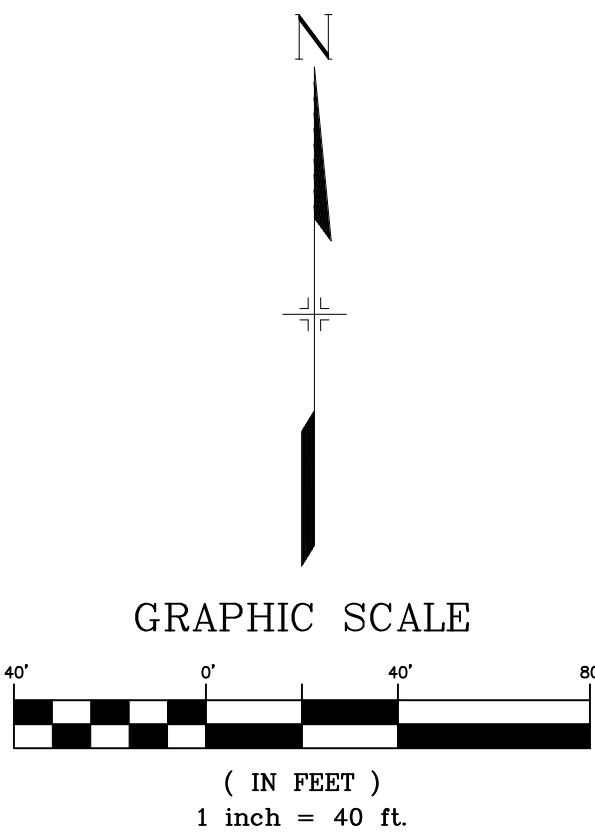


BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.
ELEVATION - 5897.89' U.S. SURVEY FT

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 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)



TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
STORM DRAIN PLAN & PROFILE			
DESIGNED BY: KMZ	SCALE: 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SD02
DRAWN BY: LCB	HORIZ 1" = 40'		
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 48 OF 73	

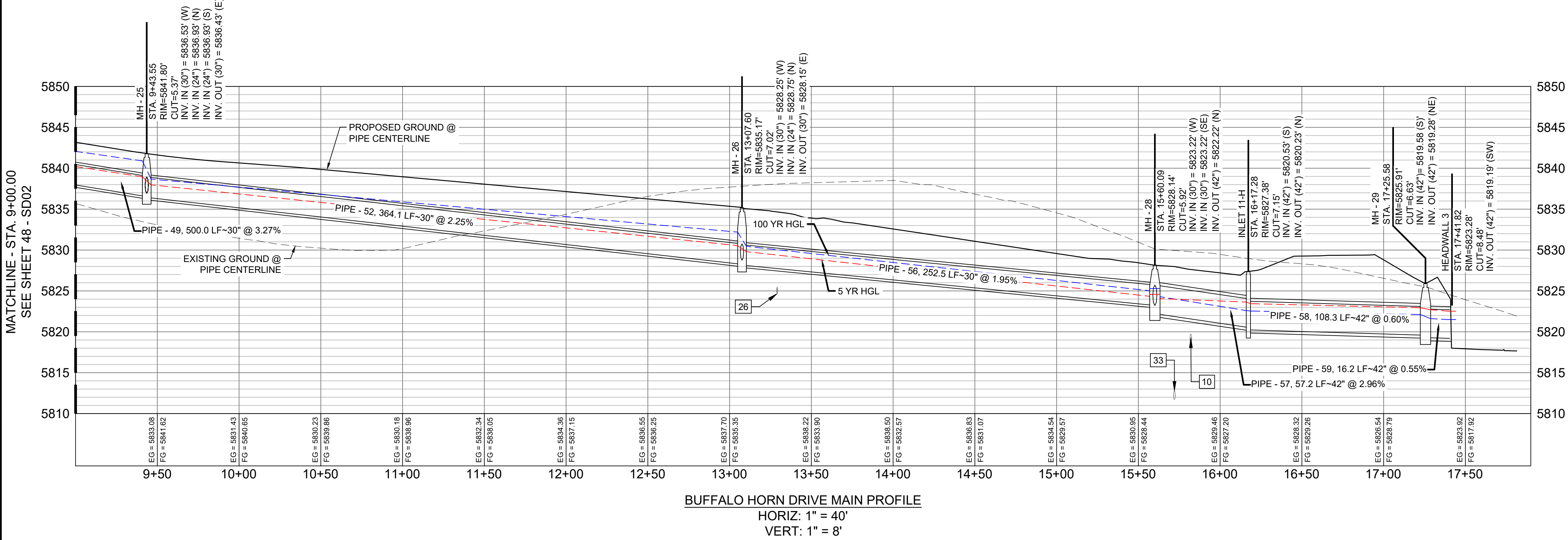
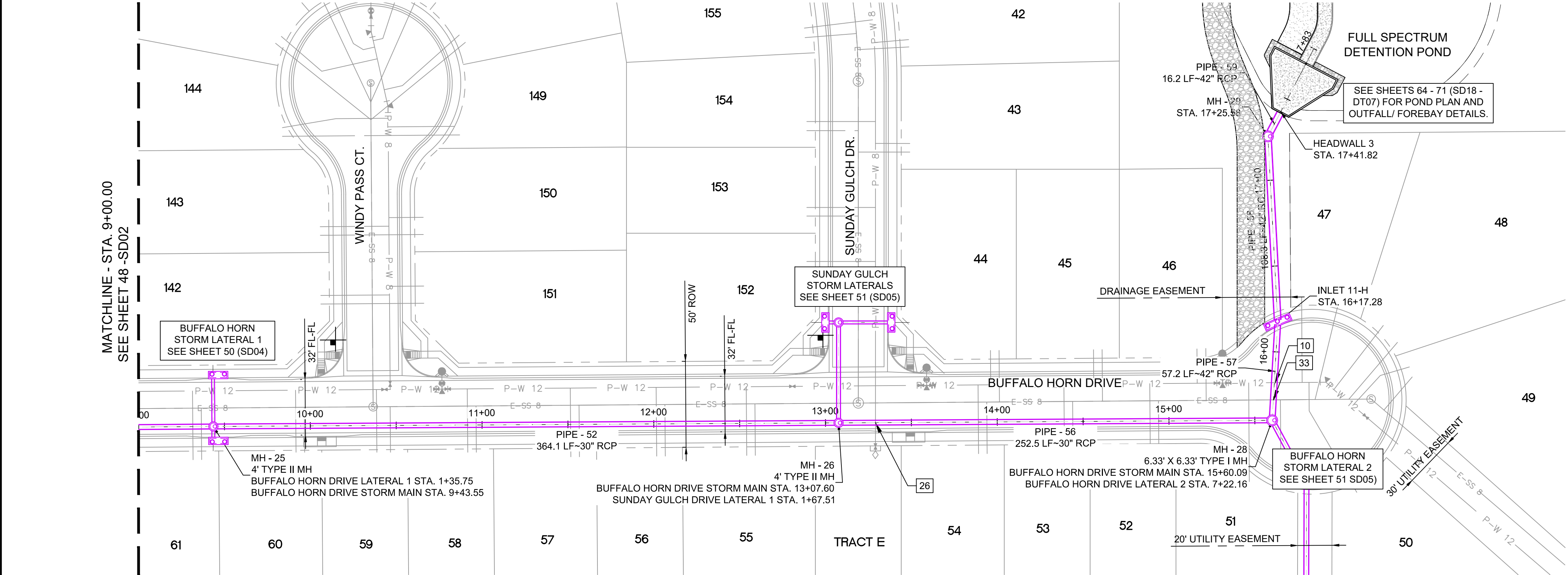


UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
10	N 5,459.05 E 13,980.01	12" PVC WATER 5819.73	36" RCP STORM 5821.20	1.47"
26	N 5,435.79 E 13,747.75	8" PVC WATER 5825.45	30" RCP STORM 5827.45	2.00'
33	N 5,449.06 E 13,979.41	8" PVC SAN 5812.75	36" RCP STORM 5821.31	8.56'

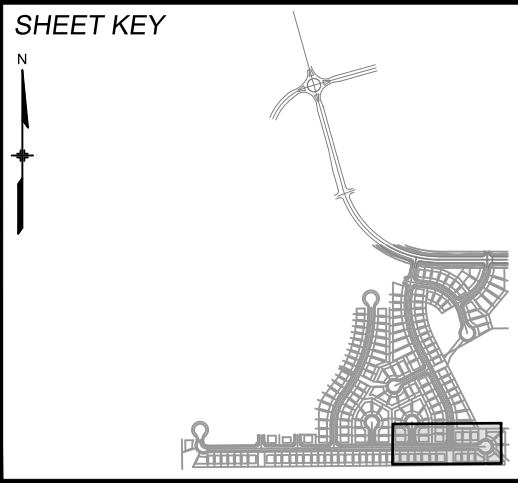
PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 58	N03°02'37"W	108.3'	0.60%	42" RCP
PIPE - 59	N27°39'23"E	16.2'	0.55%	42" RCP
PIPE - 56	N89°40'08"E	252.5'	1.95%	30" RCP
PIPE - 49	N89°33'35"E	500.0'	3.27%	30" RCP
PIPE - 52	N89°40'05"E	364.1'	2.25%	30" RCP
PIPE - 57	N03°16'52"E	57.2'	2.96%	42" RCP

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
INLET 11-H	10' SUMP TYPE R INLET	RIM = 5827.38 PIPE - 57 INV IN (42") = 5820.53 PIPE - 58 INV OUT (42") = 5820.23	N: 5494.22 E: 13982.02
MH - 25	4' TYPE II MH	RIM = 5841.80 PIPE - 49 INV IN (30") = 5836.53 PIPE - 50 INV IN (24") = 5836.93 PIPE - 51 INV IN (24") = 5836.93 PIPE - 52 INV OUT (30") = 5836.43	N: 5433.56 E: 13362.21
MH - 26	4' TYPE II MH	RIM = 5835.17 PIPE - 52 INV IN (30") = 5828.25 PIPE - 53 INV IN (24") = 5828.75 PIPE - 56 INV OUT (30") = 5828.15	N: 5435.67 E: 13726.25
MH - 28	6.33' X 6.33' TYPE I MH	RIM = 5828.14 PIPE - 56 INV IN (30") = 5823.22 PIPE - 60 INV IN (30") = 5823.22 PIPE - 57 INV OUT (42") = 5822.22	N: 5437.13 E: 13978.74
MH - 29	6.33' X 6.33' TYPE I MH	RIM = 5825.91 PIPE - 58 INV IN (42") = 5819.58 PIPE - 59 INV OUT (42") = 5819.28	N: 5602.37 E: 13976.27

- NOTES:
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 - ALL PIPE BENDS ANGLES ARE MEASURED FROM THE CENTER OF PIPE.
 - CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING STRUCTURES.
 - TOP OF BOX ELEVATIONS GIVEN FOR CDOT TYPE R INLETS REFER TO THE COUNTY STANDARD DETAIL FOR CORRESPONDING DESIGN ELEVATIONS.
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 - 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.B.2.

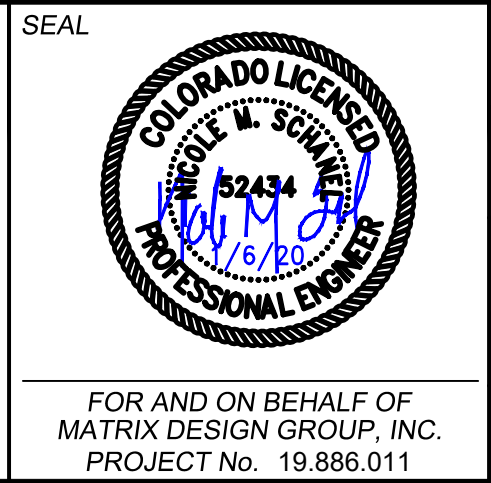


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No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
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CTB FILE: ----			
PLOT DATE: January 23, 2020 11:35:57 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



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 1/2" CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)



TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
STORM DRAIN PLAN & PROFILE			
DESIGNED BY: KMZ	SCALE: HORIZ 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SD03
DRAWN BY: LCB	VERT. 1" = 8'	SHEET 49 OF 73	
CHECKED BY: NMS			

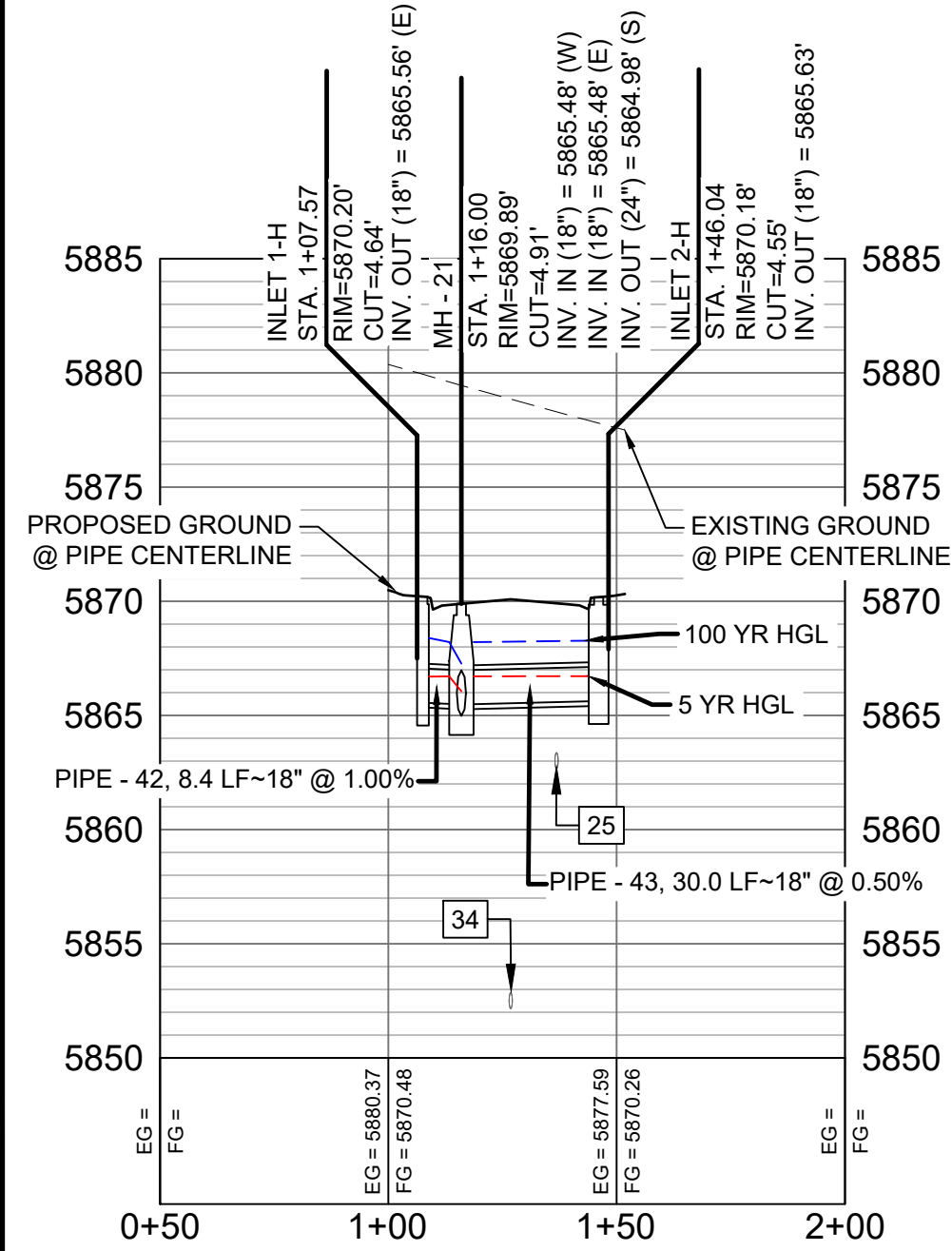
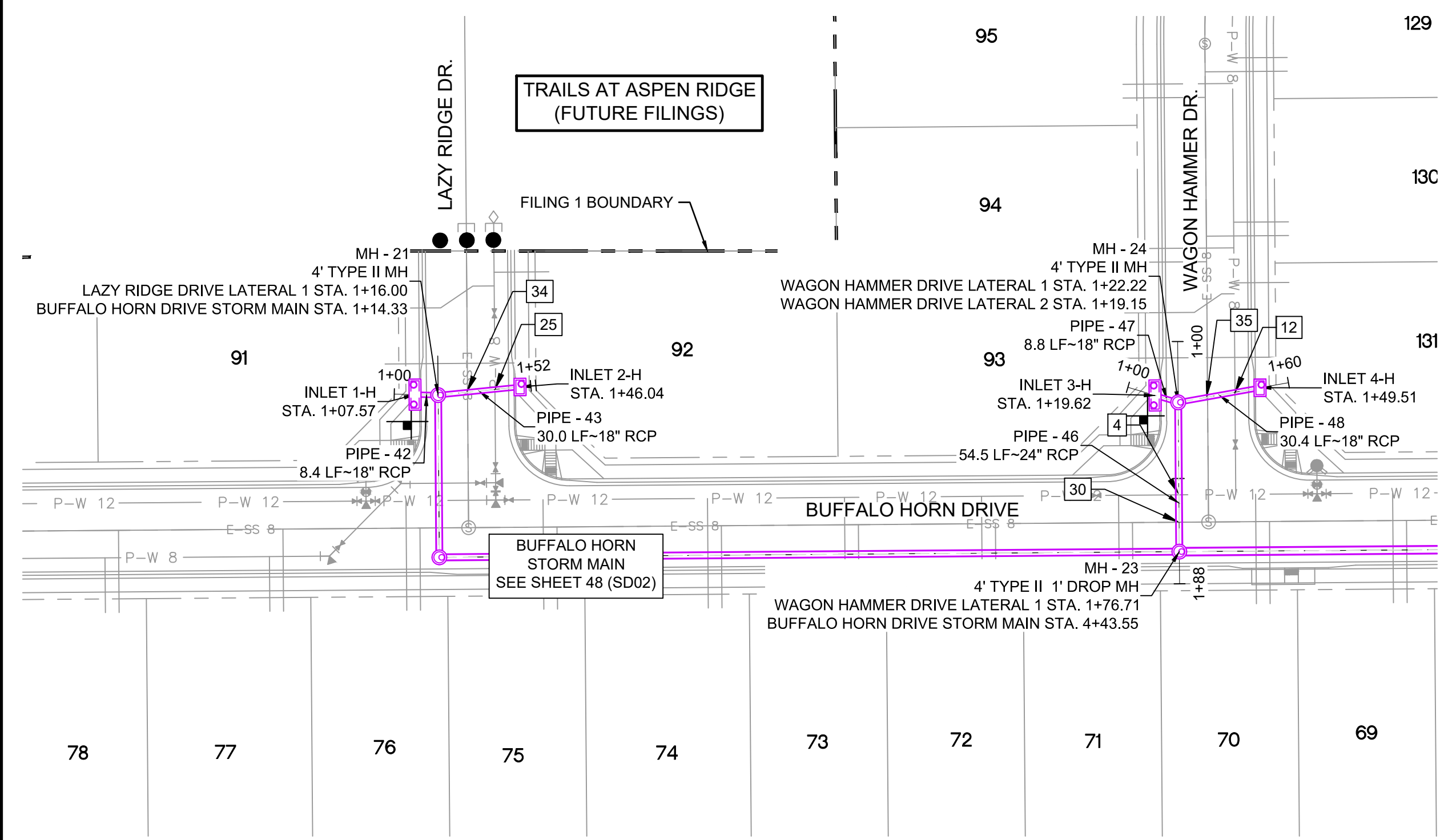


UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
4	N 5,450.46 E 12,862.07	12" PVC WATER 5851.76	24" RCP STORM 5853.76	2.00'
7	N 5,454.33 E 13,365.05	12" PVC WATER 5835.33	24" RCP STORM 5836.78	1.45'
12	N 5,487.91 E 12,882.53	8" PVC WATER 5852.57	18" RCP STORM 5854.57	2.00'
25	N 5,488.93 E 12,612.52	8" PVC WATER 5863.38	18" RCP STORM 5865.38	2.00'
30	N 5,440.41 E 12,862.12	8" PVC SAN 5846.23	24" RCP STORM 5853.64	7.41'
31	N 5,444.33 E 13,365.12	8" PVC SAN 5829.51	24" RCP STORM 5837.34	7.83'
34	N 5,487.95 E 12,602.18	8" PVC SAN 5852.87	18" RCP STORM 5865.42	12.55'
35	N 5,486.13 E 12,872.55	8" PVC SAN 5846.52	18" RCP STORM 5854.46	7.94'

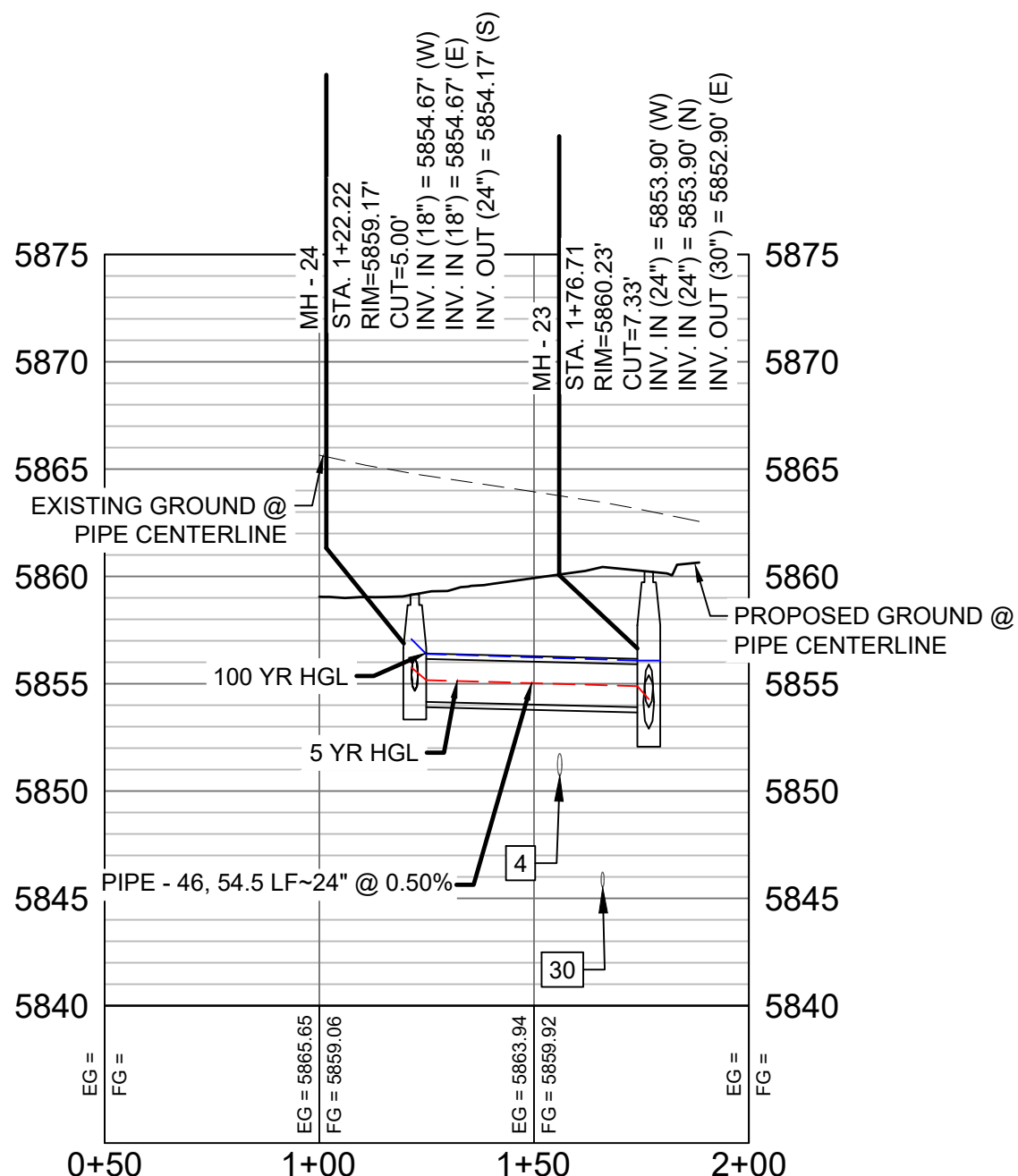
PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 42	S88°38'36"E	8.4'	1.00%	18" RCP
PIPE - 50	N00°26'25"W	29.8'	0.50%	24" RCP
PIPE - 51	S00°30'03"W	8.4'	0.50%	24" RCP
PIPE - 46	N00°26'25"W	54.5'	0.50%	24" RCP
PIPE - 47	N73°17'59"W	8.8'	0.50%	18" RCP
PIPE - 48	N79°52'38"E	30.4'	0.50%	18" RCP
PIPE - 43	N84°18'03"E	30.0'	0.50%	18" RCP

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
INLET 1-H	10' SUMP TYPE R INLET	RIM = 5870.20 PIPE - 42 INV OUT (18") = 5865.56	N: 5487.06 E: 12583.36
INLET 2-H	5' SUMP TYPE R INLET	RIM = 5870.18 PIPE - 43 INV OUT (18") = 5865.63	N: 5489.84 E: 12621.68
INLET 3-H	10' SUMP TYPE R INLET	RIM = 5859.46 PIPE - 47 INV OUT (18") = 5854.72	N: 5486.74 E: 12853.37
INLET 4-H	5' SUMP TYPE R INLET	RIM = 5859.31 PIPE - 48 INV OUT (18") = 5854.82	N: 5489.55 E: 12891.69
INLET 5-H	10' ON-GRADE TYPE R INLET	RIM = 5841.99 PIPE - 50 INV OUT (24") = 5837.08	N: 5463.49 E: 13364.98
INLET 6-H	10' ON-GRADE TYPE R INLET	RIM = 5841.99 PIPE - 51 INV OUT (24") = 5836.97	N: 5425.15 E: 13365.13
MH - 21	4' TYPE II MH	RIM = 5869.89 PIPE - 42 INV IN (18") = 5865.48 PIPE - 43 INV IN (18") = 5865.48 PIPE - 44 INV OUT (24") = 5864.98	N: 5486.86 E: 12591.78
MH - 23	4' TYPE II 1' DROP MH	RIM = 5860.23 PIPE - 45 INV IN (24") = 5853.90 PIPE - 46 INV IN (18") = 5853.90 PIPE - 49 INV OUT (30") = 5852.90	N: 5429.71 E: 12862.23
MH - 24	4' TYPE II MH	RIM = 5859.17 PIPE - 47 INV IN (18") = 5854.67 PIPE - 48 INV IN (18") = 5854.67 PIPE - 46 INV OUT (24") = 5854.17	N: 5484.21 E: 12861.81
MH - 25	4' TYPE II MH	RIM = 5841.80 PIPE - 49 INV IN (30") = 5836.53 PIPE - 50 INV IN (24") = 5836.93 PIPE - 51 INV IN (24") = 5836.93 PIPE - 52 INV OUT (30") = 5836.43	N: 5433.56 E: 13362.21

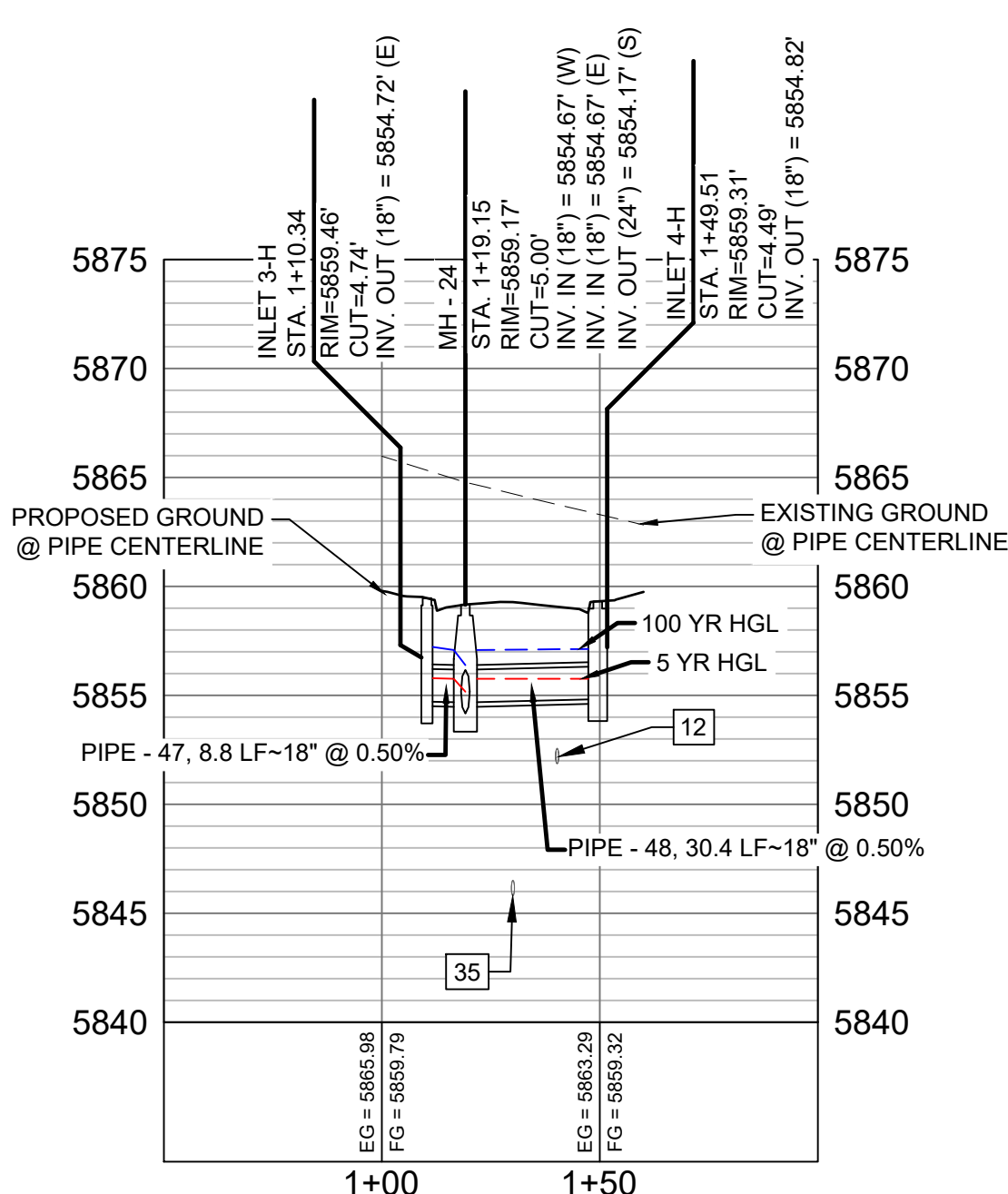
- NOTES:
- ALL STATION, OFFSET, AND NORTHING/EASTING VALUES ARE TO THE CENTER OF ALL STRUCTURES UNLESS OTHERWISE NOTED.
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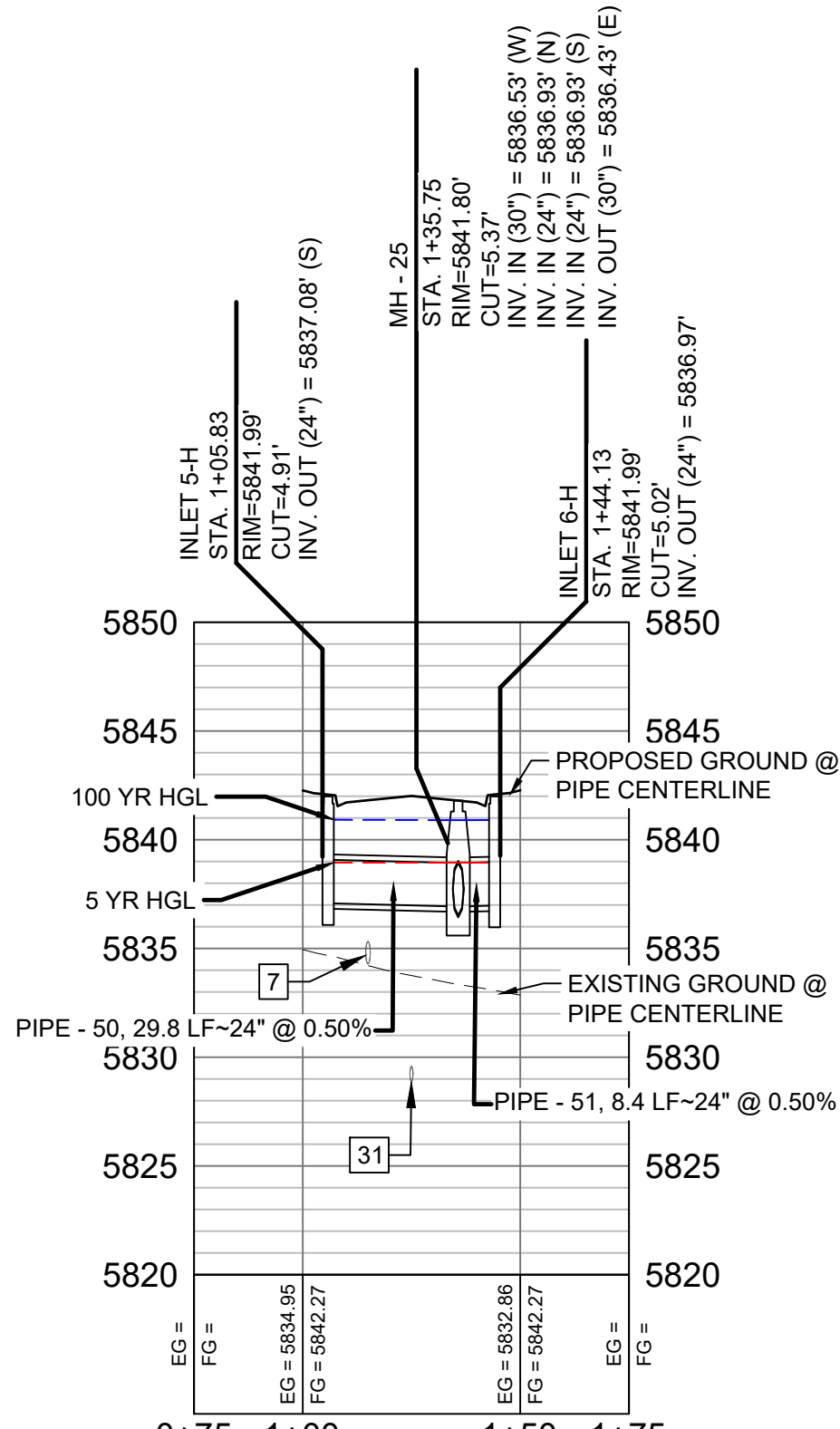
LAZY RIDGE DRIVE LATERAL 1 PROFILE
HORIZ: 1" = 40'
VERT: 1" = 8'



WAGON HAMMER DRIVE LATERAL 1 PROFILE
HORIZ: 1" = 40'
VERT: 1" = 8'

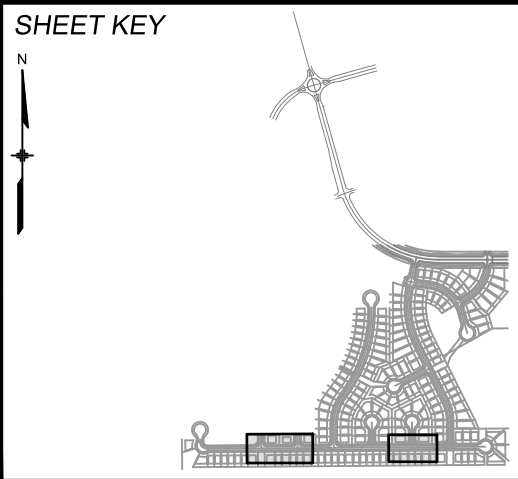


WAGON HAMMER DRIVE LATERAL 2 PROFILE
HORIZ: 1" = 40'
VERT: 1" = 8'



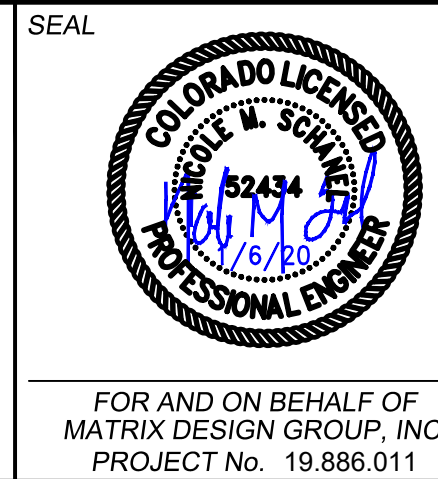
BUFFALO HORN DRIVE LATERAL 1 PROFILE
HORIZ: 1" = 40'
VERT: 1" = 8'

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No.	DATE	DESCRIPTION	BY
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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

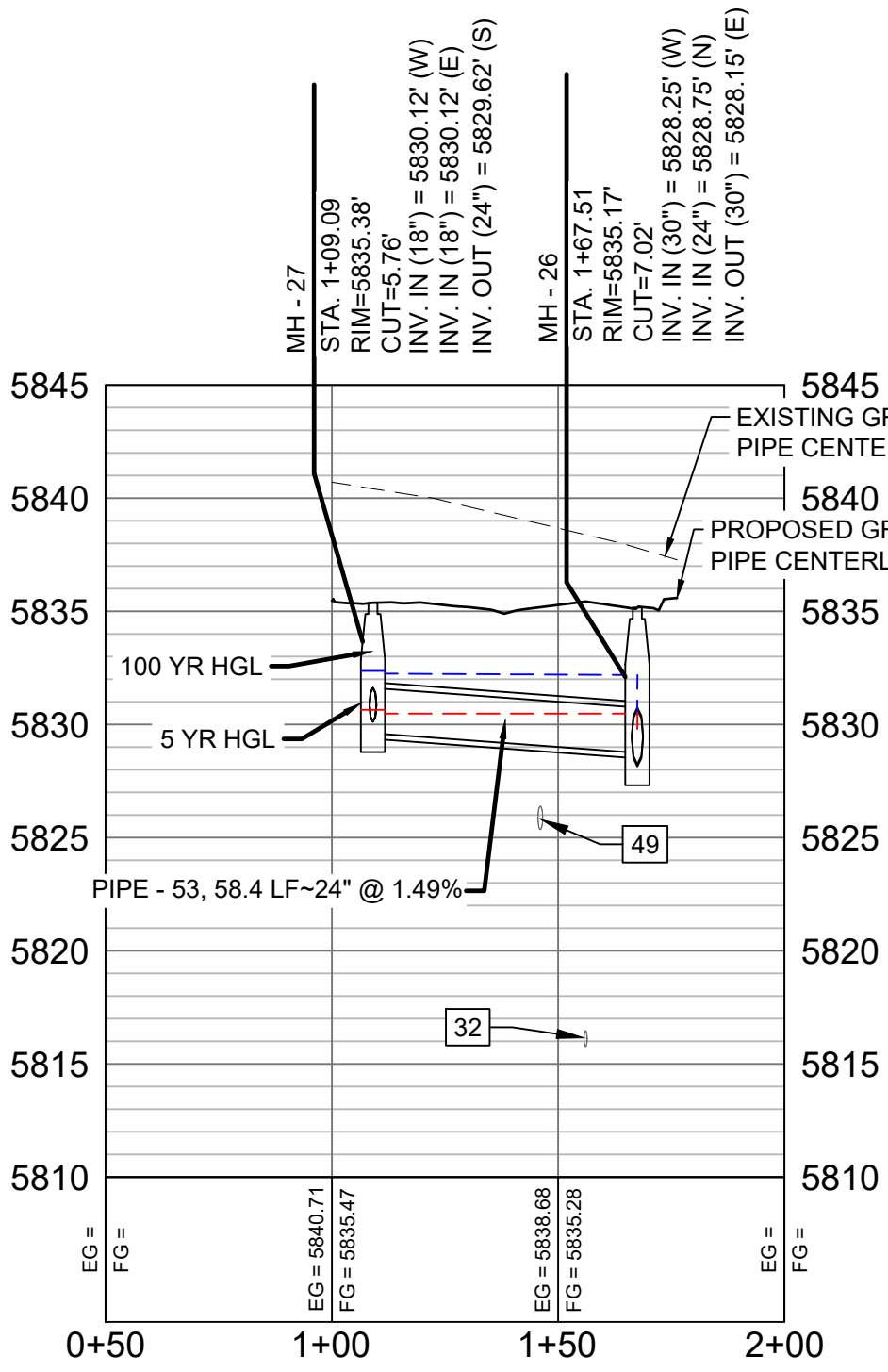
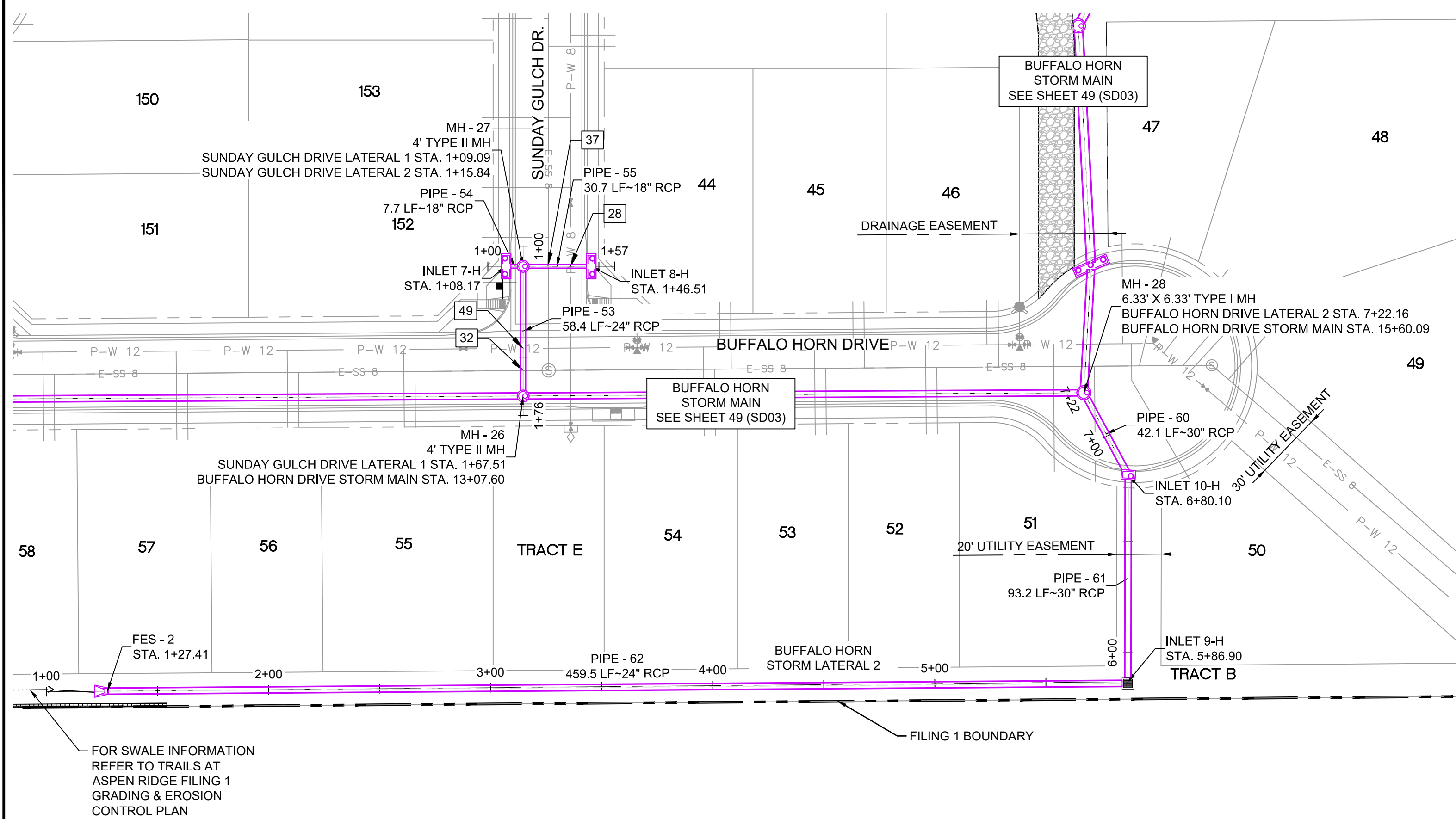
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 3/4' AULM. CAP PLS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



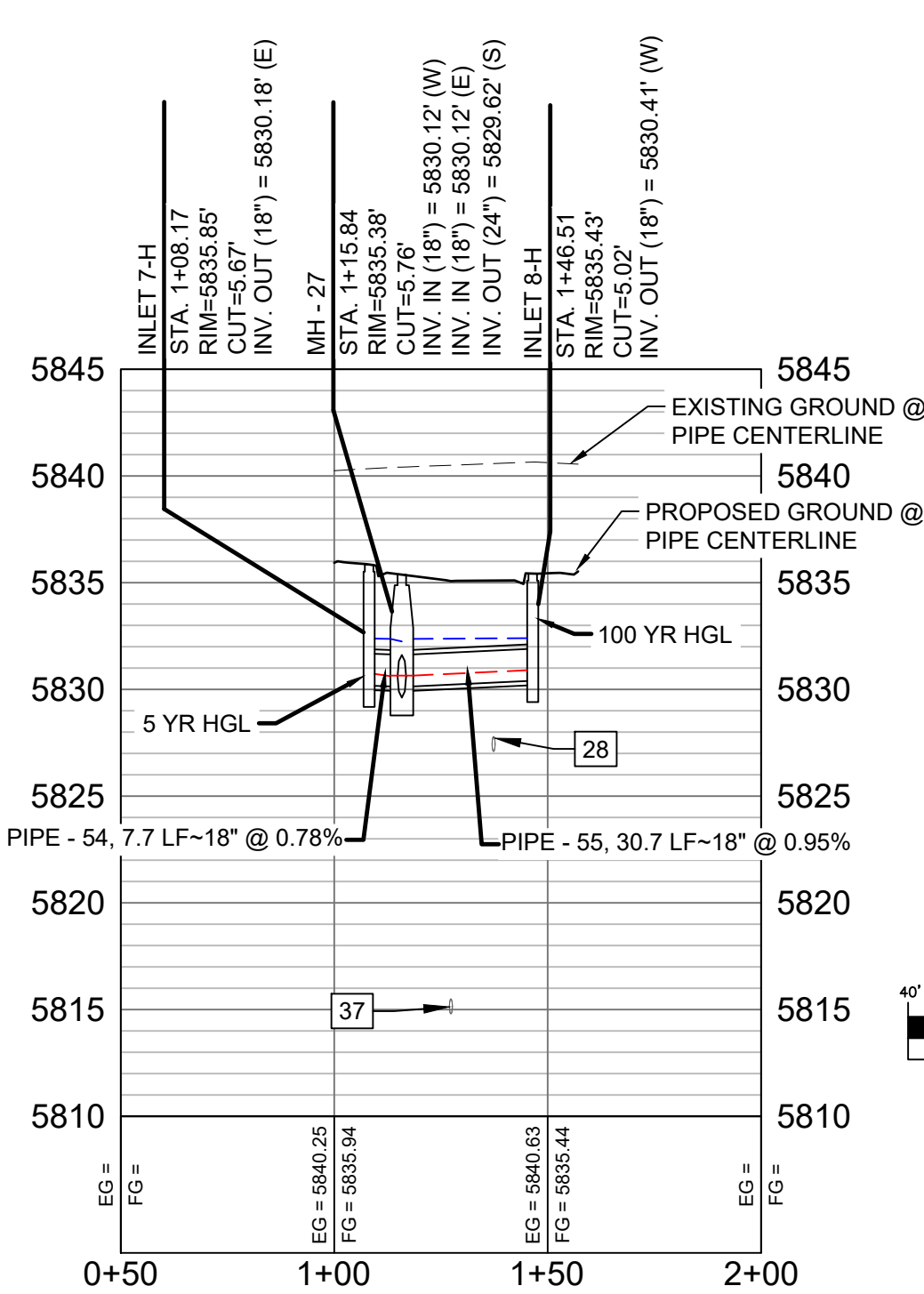
TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
STORM DRAIN PLAN & PROFILE			
DESIGNED BY: KMZ	SCALE: 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SD04
DRAWN BY: LCB	HORIZ: 1" = 40'		
CHECKED BY: NMS	VERT: 1" = 8'	SHEET 50 OF 73	



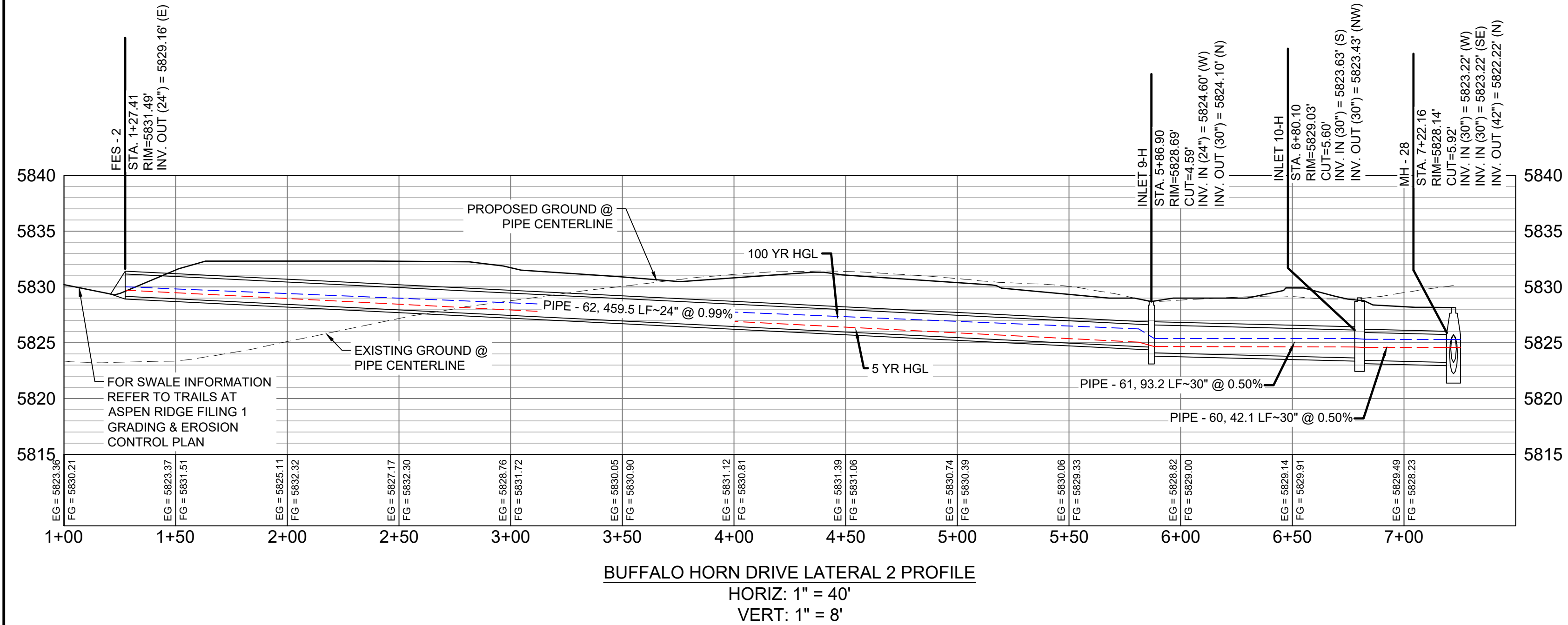
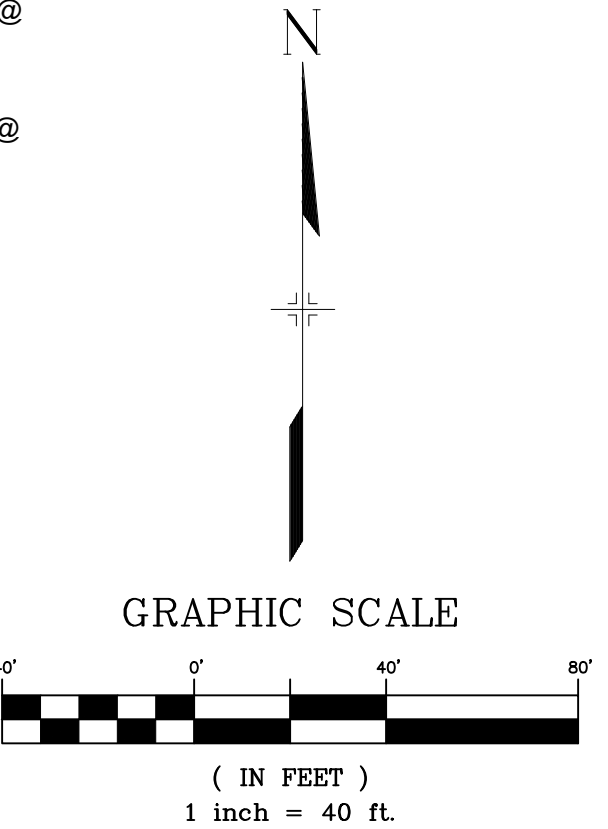
Know what's below.
Call before you dig.



SUNDAY GULCH DRIVE LATERAL 1 PROFILE
HORIZ: 1" = 40'
VERT: 1" = 8'



SUNDAY GULCH DRIVE LATERAL 2 PROFILE
HORIZ: 1" = 40'
VERT: 1" = 8'



BUFFALO HORN DRIVE LATERAL 2 PROFILE
HORIZ: 1" = 40'
VERT: 1" = 8'

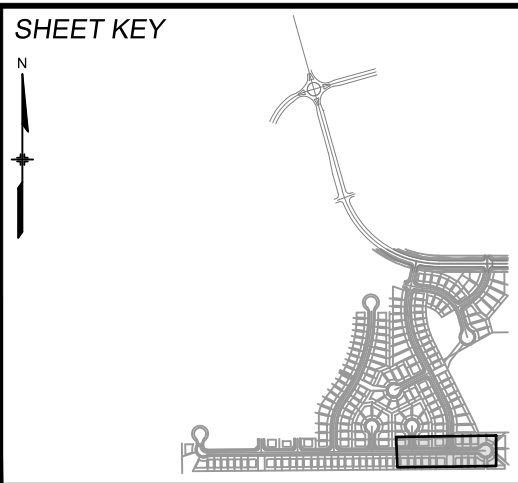
UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
28	N 5,494.09 E 13,747.74	8" PVC WATER 5827.80	18" RCP STORM 5830.12	2.32'
32	N 5,447.15 E 13,727.17	8" PVC SAN 5828.59	24" RCP STORM 5828.59	12.12
37	N 5,494.09 E 13,737.82	8" PVC SAN 5815.51	18" RCP STORM 5830.03	14.52'
49	N 5,457.28 E 13,726.12	12" PVC WATER 5826.41	24" RCP STORM 5828.82	2.41'

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
FES - 2	24" FES	RIM = 5831.49 PIPE - 62 INV OUT (24") = 5829.16	N: 5302.70 E: 13539.07
INLET 7-H	10' ON-GRADE TYPE R INLET	RIM = 5835.85 PIPE - 54 INV OUT (18") = 5830.18	N: 5494.09 E: 13718.57
INLET 8-H	10' ON-GRADE TYPE R INLET	RIM = 5835.43 PIPE - 55 INV OUT (18") = 5830.41	N: 5494.09 E: 13756.91
INLET 9-H	TYPE C INLET WITH PEDESTRIAN GRATE	RIM = 5828.69 PIPE - 62 INV IN (24") = 5824.60 PIPE - 61 INV OUT (30") = 5824.10	N: 5306.92 E: 13998.54
INLET 10-H	5' SUMP TYPE R INLET	RIM = 5829.03 PIPE - 61 INV IN (30") = 5823.63 PIPE - 60 INV OUT (30") = 5823.43	N: 5400.12 E: 13998.75
MH - 26	4' TYPE II MH	RIM = 5835.17 PIPE - 52 INV IN (30") = 5828.25 PIPE - 53 INV IN (24") = 5828.75 PIPE - 56 INV OUT (30") = 5828.15	N: 5435.67 E: 13726.25
MH - 27	4' TYPE II MH	RIM = 5835.38 PIPE - 54 INV IN (18") = 5830.12 PIPE - 55 INV IN (18") = 5830.12 PIPE - 53 INV OUT (24") = 5829.62	N: 5494.09 E: 13726.24
MH - 28	6.33' X 6.33' TYPE I MH	RIM = 5828.14 PIPE - 56 INV IN (30") = 5823.22 PIPE - 60 INV IN (30") = 5823.22 PIPE - 57 INV OUT (42") = 5822.22	N: 5437.13 E: 13978.74

PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 53	N00°00'29"W	58.4'	1.49%	24" RCP
PIPE - 54	N90°00'00"W	7.7'	0.78%	18" RCP
PIPE - 55	N90°00'00"E	30.7'	0.95%	18" RCP
PIPE - 60	S28°23'40"E	42.1'	0.50%	30" RCP
PIPE - 61	S00°07'35"W	93.2'	0.50%	30" RCP
PIPE - 62	S89°28'24"W	459.5'	0.99%	24" RCP

- NOTES:
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 - PIPE LENGTHS ARE MEASURED FROM CENTER TO CENTER OF ALL STRUCTURES.
 - ALL PIPE BENDS ANGLES ARE MEASURED FROM THE CENTER OF PIPE.
 - CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING STRUCTURES.
 - TOP OF BOX ELEVATIONS GIVEN FOR CDOT TYPE R INLETS REFER TO THE COUNTY STANDARD DETAIL FOR CORRESPONDING DESIGN ELEVATIONS.
 - ALL RCP PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.
 - PIPES OF DIFFERENT SIZES ARE TO BE MATCHED TO THE CROWN OF THE INSIDE WALL OF PIPE.
 - ALL TYPE C INLETS ARE TO COLORADO DEPARTMENT OF TRANSPORTATION STANDARD TYPE M-604-10.
 - 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.
 - SECTIONS OF STORM PIPE WITH PRESSURE HEAD DURING THE 100 YR STORM SHALL USE WATERTIGHT JOINTS WITH A 100 YR SERVICE LIFE PER EOM 3.3.1.B.2.

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\SD01-05.dwg			
CTB FILE: ----			
PLOT DATE: January 23, 2020 11:37:02 AM			
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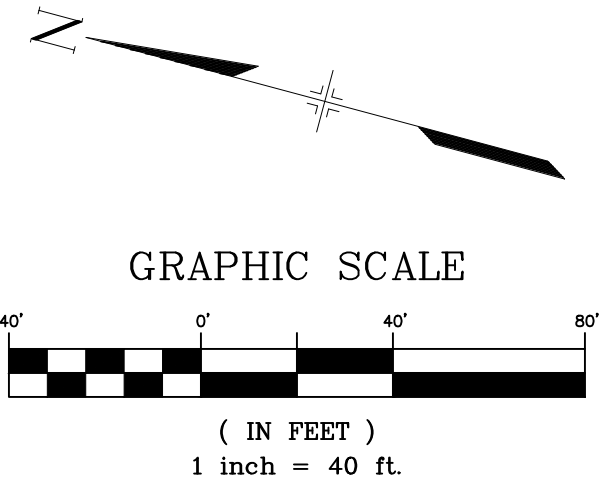
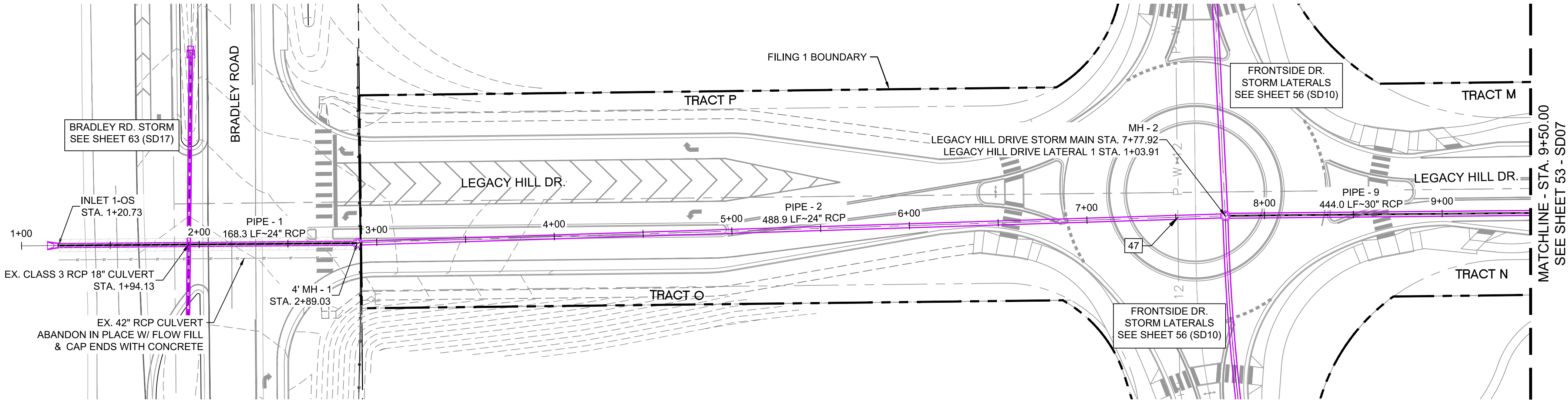
BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX. LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.
ELEVATION - 5897.89' U.S. SURVEY FT

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 1/4 CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

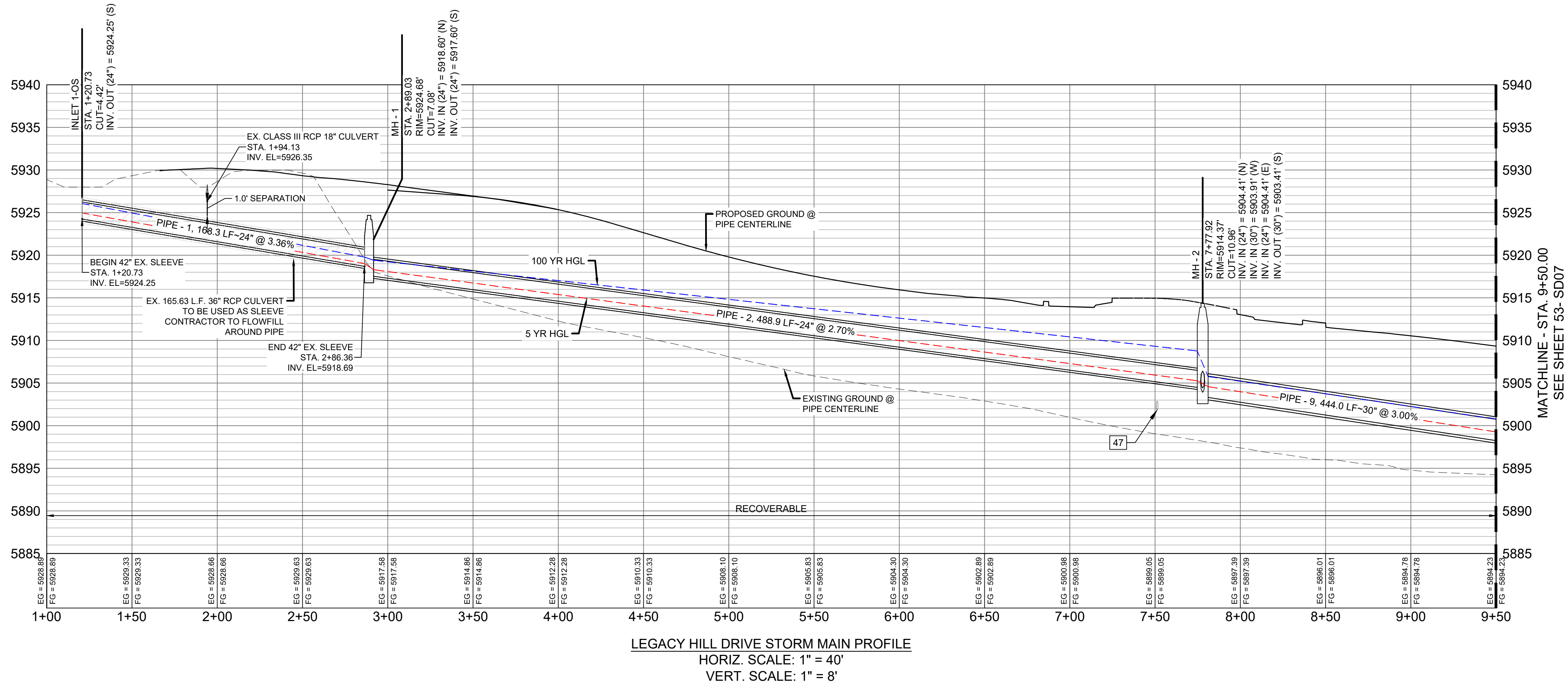


SEAL
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
STORM DRAIN PLAN & PROFILE			
DESIGNED BY: KMC	SCALE: HORIZ 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SD05
DRAWN BY: LCB	VERT. 1" = 8'	SHEET 51 OF 73	



UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
47	N 8,155.02 E 12,702.00	12" PVC WATER 5736.19	24" RCP STORM 5738.19	2.00'

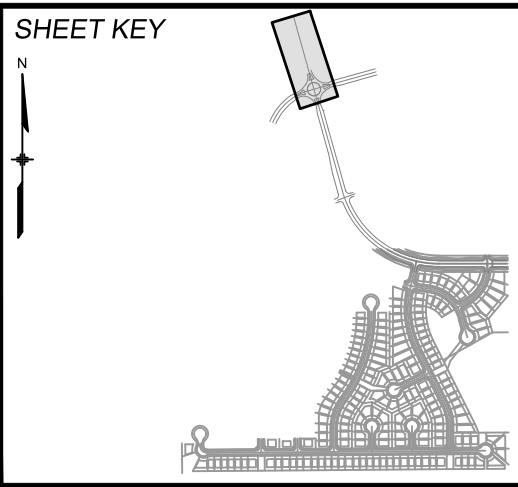


PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 1	S15°28'07"E	168.3'	3.36%	24" RCP
PIPE - 2	S16°48'16"E	488.9'	2.70%	24" RCP
PIPE - 9	S15°32'08"E	444.0'	3.00%	30" RCP

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
INLET 1-OS	24" FES	RIM = 5926.58 PIPE - 1 INV OUT (24") = 5924.25	N: 8759.66 E: 12523.50
MH - 1	4' TYPE II 1' DROP MH	RIM = 5924.68 PIPE - 1 INV IN (24") = 5918.60 PIPE - 2 INV OUT (24") = 5917.60	N: 8597.45 E: 12568.39
MH - 2	4' TYPE II STM MH	RIM = 5914.37 PIPE - 2 INV IN (24") = 5904.41 PIPE - 3 INV IN (30") = 5903.91 PIPE - 6 INV IN (24") = 5904.41 PIPE - 9 INV OUT (30") = 5903.41	N: 8129.44 E: 12709.73

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 - PIPE LENGTHS ARE MEASURED FROM CENTER TO CENTER OF ALL STRUCTURES.
 - ALL PIPE BENDS ANGLES ARE MEASURED FROM THE CENTER OF PIPE.
 - CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING STRUCTURES.
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 - 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.B.2.

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\SD06-07.dwg			
CTB FILE: ----			
PLOT DATE: January 23, 2020 11:39:32 AM			
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 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)



TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
STORM DRAIN PLAN & PROFILE			
DESIGNED BY: KMZ	SCALE: 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SD06
DRAWN BY: LCB	HORIZ. 1" = 40'		
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 52 OF 73	

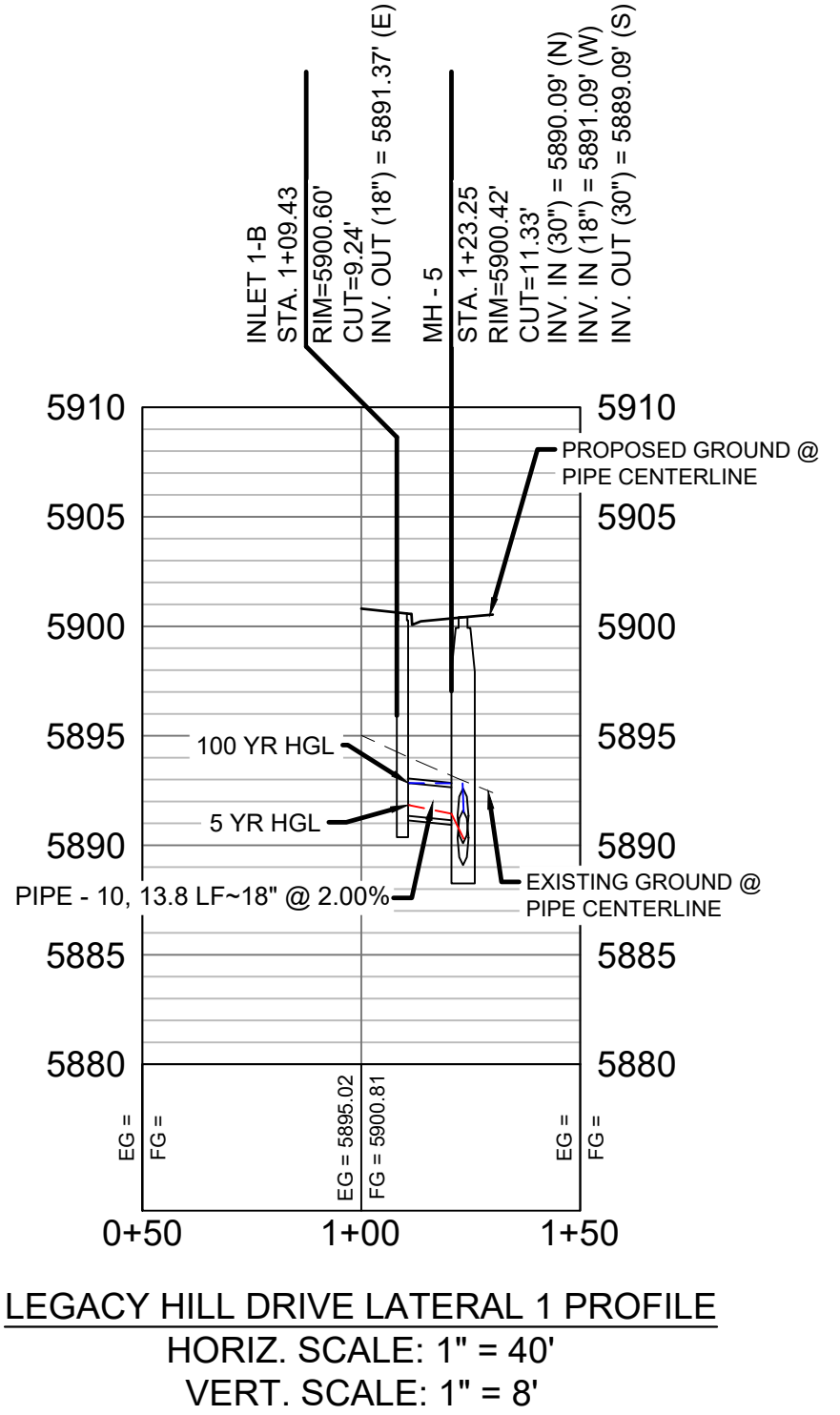
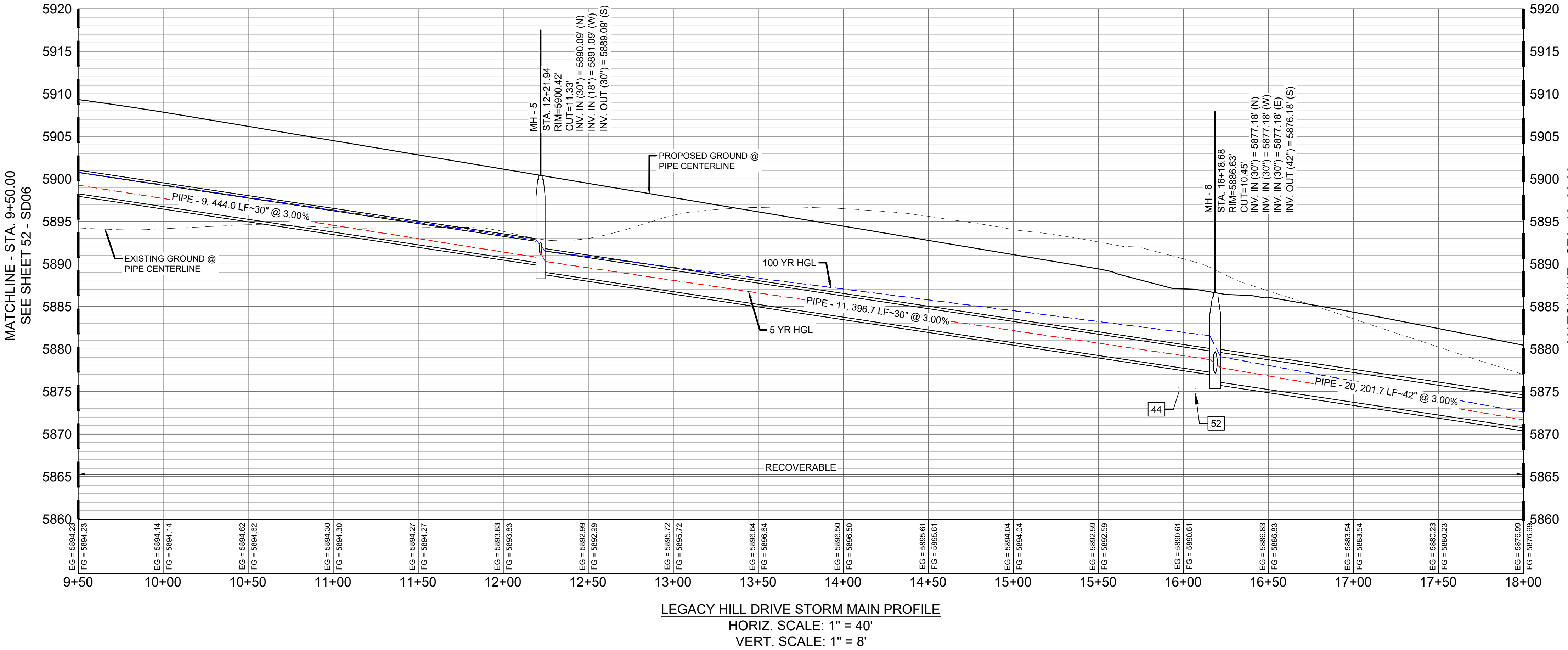
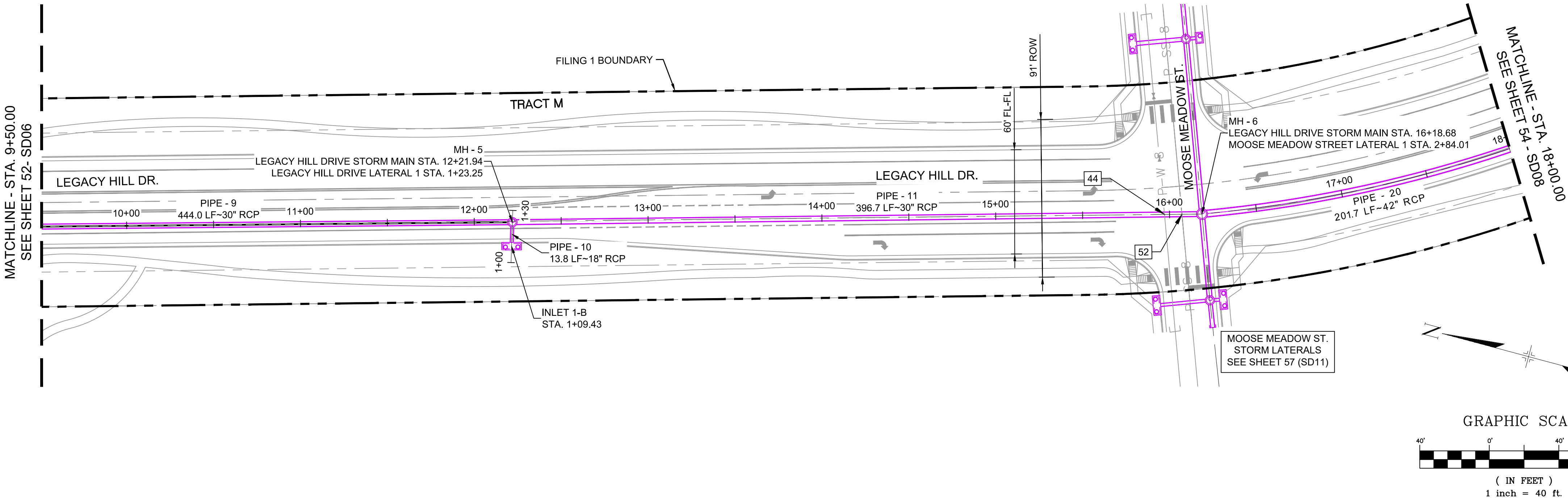


UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
44	N 7,340.43 E 12,930.04	8" PVC WATER 5733.39	30" RCP STORM 5735.39	2.00'
52	N 7,330.77 E 12,932.75	8" PVC SAN 5875.40	30" RCP STORM 5877.24	1.84'

PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 9	S15°32'08"E	444.0'	3.00%	30" RCP
PIPE - 11	S15°40'40"E	396.7'	3.00%	30" RCP
PIPE - 10	S76°57'39"W	13.8'	2.00%	18" RCP

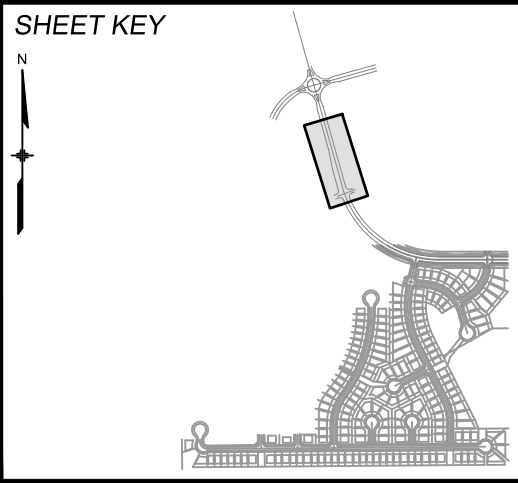
PIPE TABLE					
PIPE NAME	RADIUS	CHORD LENGTH	LENGTH	SLOPE	SIZE
PIPE - 20	772.34'	201.10'	201.68'	3.000%	42" RCP

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
INLET 1-B	10' ON-GRADE TYPE R INLET	RIM = 5900.60 PIPE - 10 INV OUT (18") = 5891.37	N: 7698.52 E: 12815.19
MH - 5	4' TYPE II MH	RIM = 5900.42 PIPE - 9 INV IN (30") = 5890.09 PIPE - 10 INV IN (18") = 5891.09 PIPE - 11 INV OUT (30") = 5889.09	N: 7701.64 E: 12828.66
MH - 6	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5886.63 PIPE - 11 INV IN (30") = 5877.18 PIPE - 12 INV IN (30") = 5877.18 PIPE - 16 INV IN (30") = 5877.18 PIPE - 20 INV OUT (42") = 5876.18	N: 7319.66 E: 12935.87



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REFERENCE DRAWINGS			
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COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\SD06-07.dwg			
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PLOT DATE: January 23, 2020 11:39:49 AM			
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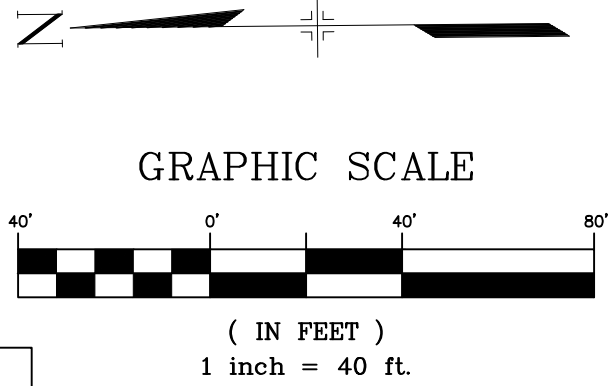


BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX. LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.
ELEVATION - 5897.89' U.S. SURVEY FT

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 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)



TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
STORM DRAIN PLAN & PROFILE			
DESIGNED BY: KMZ	SCALE: 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SD07
DRAWN BY: LCB	HORIZ 1" = 8'	CHECKED BY: NMS	SHEET 53 OF 73



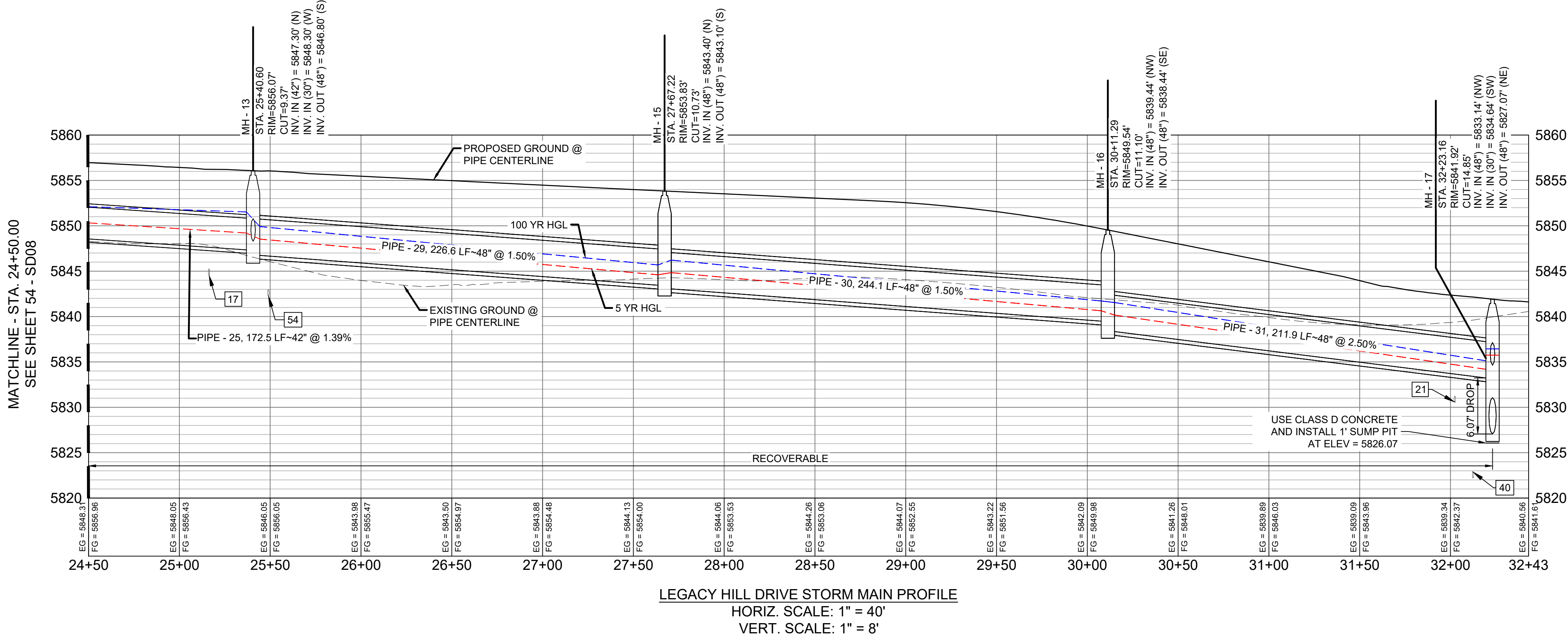
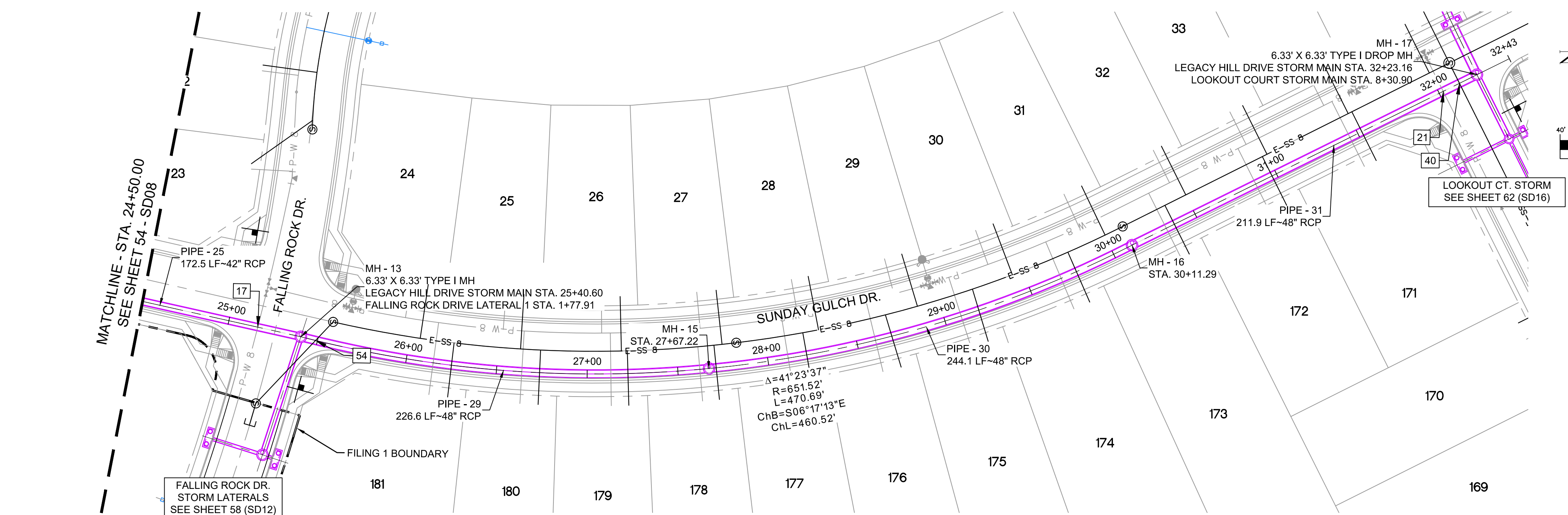
UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
17	N 6,685.98 E 13,435.90	8" PVC WATER 5845.27	42" RCP STORM 5847.27	2.00'
21	N 6,033.19 E 13,565.70	8" PVC WATER 5831.26	48" RCP STORM 5833.26	2.00'
40	N 6,024.19 E 13,570.18	8" PVC SAN 5822.92	48" RCP STORM 5832.99	10.07'
54	N 6,654.15 E 13,428.58	8" PVC SAN 5842.99	48" RCP STORM 5846.26	3.27'

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
MH - 13	6.33' X 6.33' TYPE I MH	RIM = 5856.07 PIPE - 25 INV IN (42") = 5847.30 PIPE - 26 INV IN (30") = 5848.30 PIPE - 29 INV OUT (48") = 5846.80	N: 6662.28 E: 13430.61
MH - 15	6.33' X 6.33' TYPE I MH	RIM = 5853.83 PIPE - 29 INV IN (48") = 5843.40 PIPE - 30 INV OUT (48") = 5843.10	N: 6437.47 E: 13413.13
MH - 16	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5849.54 PIPE - 30 INV IN (48") = 5839.44 PIPE - 31 INV OUT (48") = 5838.44	N: 6204.53 E: 13481.04
MH - 17	6.33' X 6.33' TYPE I DROP MH	RIM = 5841.92 PIPE - 31 INV IN (48") = 5833.14 PIPE - 34 INV IN (30") = 5834.64 PIPE - 32 INV OUT (48") = 5827.07	N: 6014.58 E: 13574.89

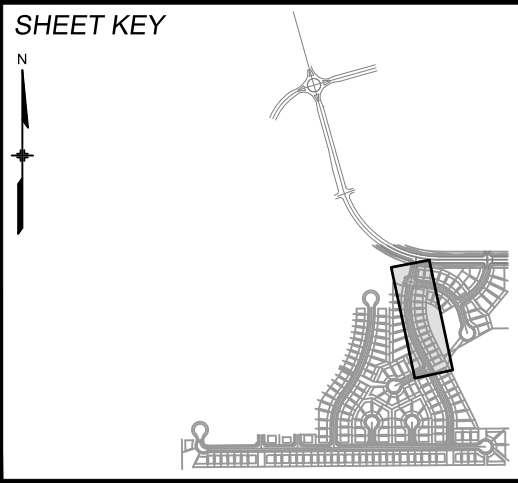
PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 25	S12°35'09"W	172.5'	1.39%	42" RCP
PIPE - 31	S26°17'39"E	211.9'	2.50%	48" RCP

PIPE TABLE				
PIPE NAME	RADIUS	CHORD LENGTH	LENGTH	SIZE
PIPE - 29	651.52'	225.49'	226.63'	1.500% 48" RCP
PIPE - 30	644.02'	242.64'	244.10'	1.500% 48" RCP

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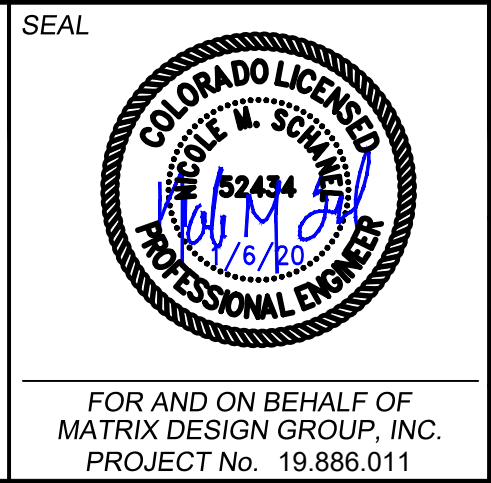


REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\SD08-09.dwg			
CTB FILE: ----			
PLOT DATE: January 23, 2020 11:43:59 AM			
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BENCHMARK
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

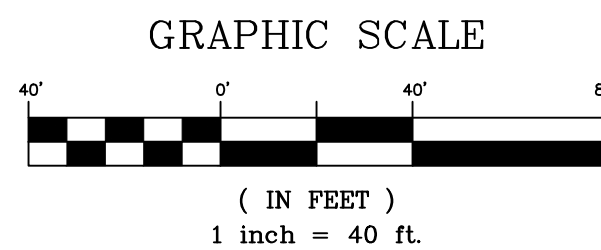
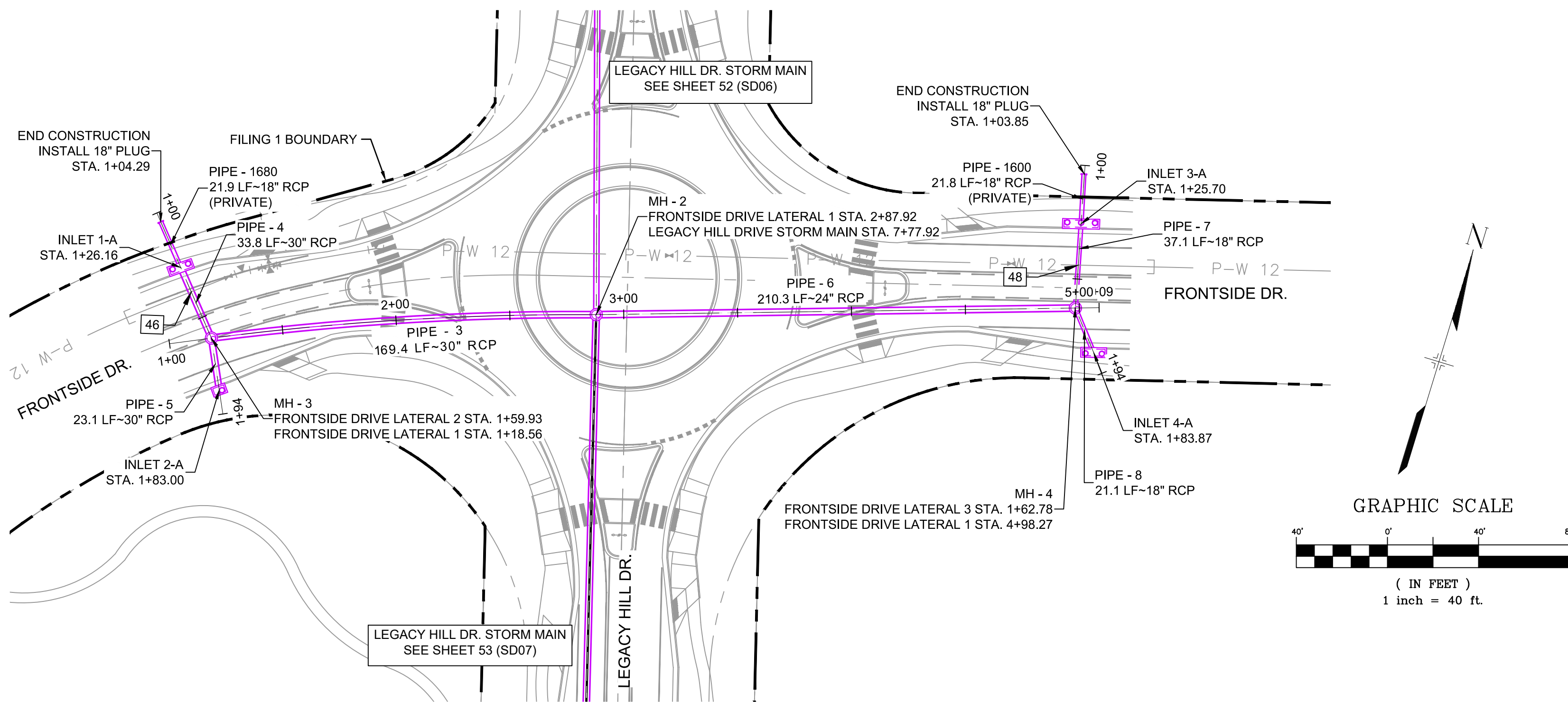
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS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



TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
STORM DRAIN PLAN & PROFILE			
DESIGNED BY: KMZ	SCALE: 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SD09
DRAWN BY: LCB	HORIZ. 1" = 40'		
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 55 OF 73	

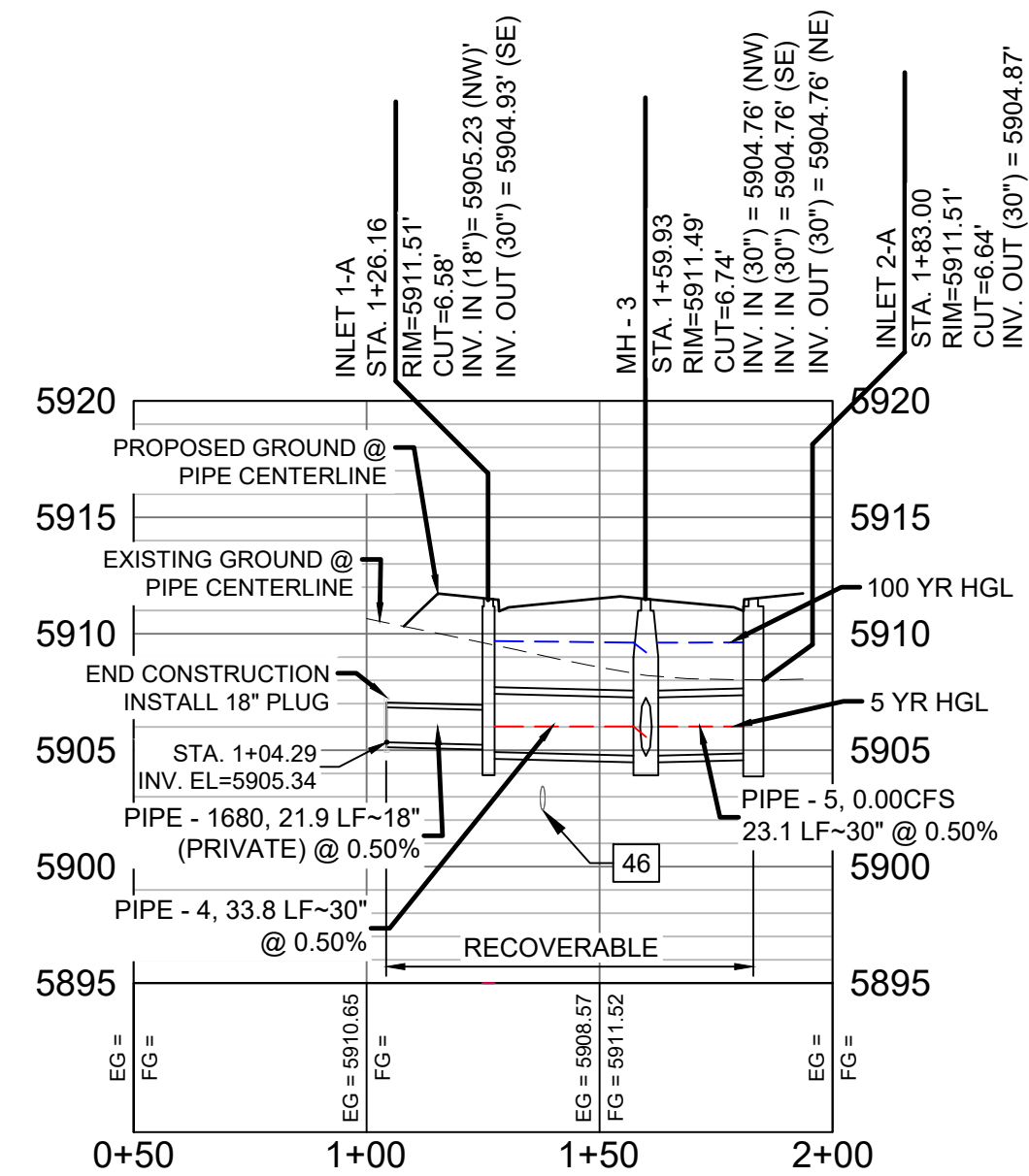


Know what's below.
Call before you dig.

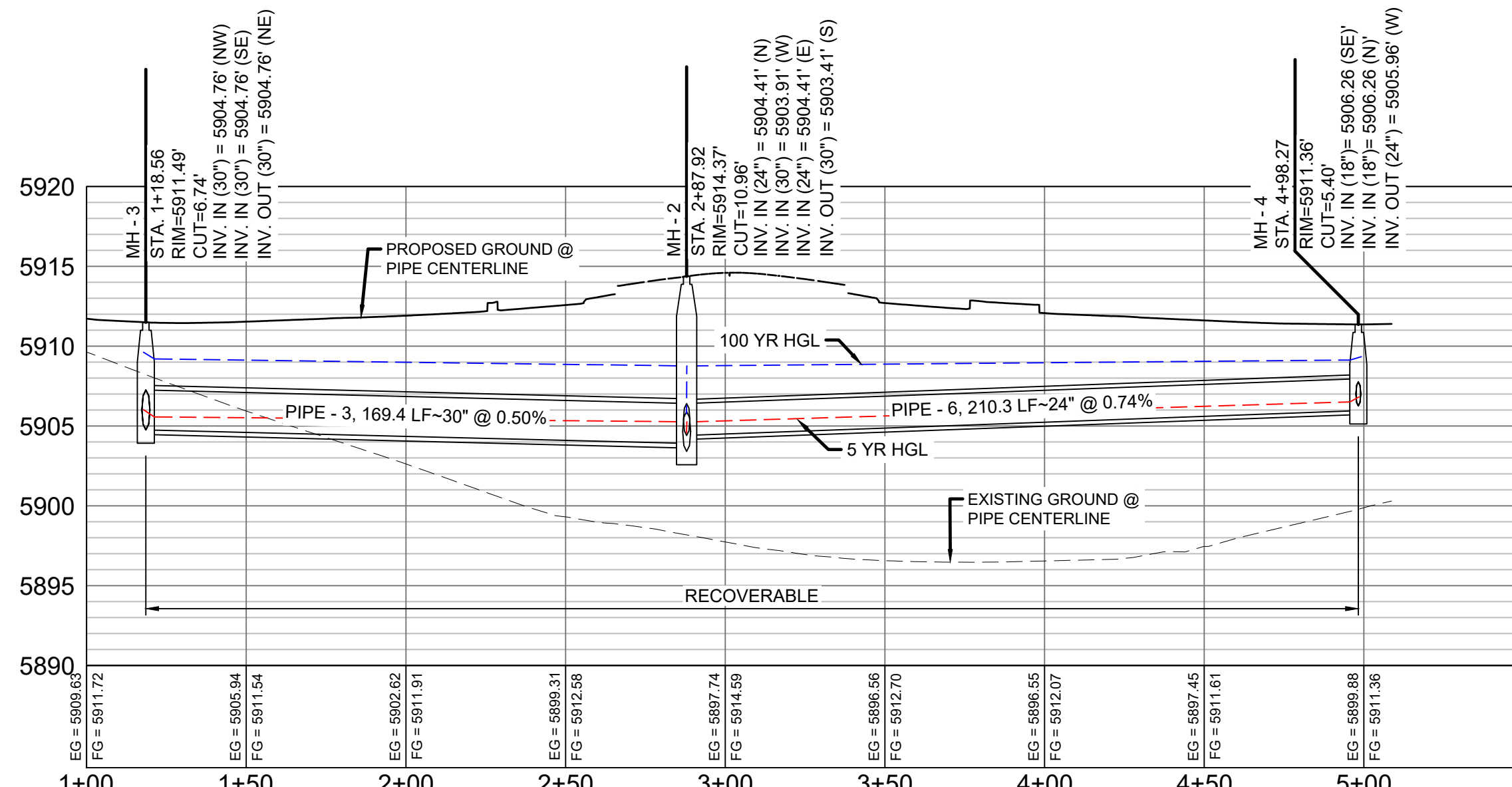


STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
INLET 1-A	10' SUMP TYPE R INLET	RIM = 5911.51 PIPE - 1680 INV IN (18") = 5905.23 PIPE - 4 INV OUT (30") = 5904.93	N: 8095.89 E: 12529.23
INLET 2-A	5' SUMP TYPE R INLET	RIM = 5911.51 PIPE - 5 INV OUT (30") = 5904.87	N: 8049.42 E: 12561.15
INLET 3-A	5' SUMP TYPE R INLET	RIM = 5911.42 PIPE - 1600 INV IN (18") = 5906.75 PIPE - 7 INV OUT (18") = 5906.45	N: 8229.83 E: 12901.61
INLET 4-A	5' SUMP TYPE R INLET	RIM = 5911.37 PIPE - 8 INV OUT (18") = 5906.37	N: 8177.41 E: 12923.39
MH - 2	4' TYPE II STM MH	RIM = 5914.37 PIPE - 2 INV IN (24") = 5904.41 PIPE - 3 INV IN (30") = 5903.91 PIPE - 6 INV IN (24") = 5904.41 PIPE - 9 INV OUT (30") = 5903.41	N: 8129.44 E: 12709.73
MH - 3	4' TYPE II MH	RIM = 5911.49 PIPE - 4 INV IN (30") = 5904.76 PIPE - 5 INV IN (30") = 5904.76 PIPE - 3 INV OUT (30") = 5904.76	N: 8070.24 E: 12551.19
MH - 4	4' TYPE II MH	RIM = 5911.36 PIPE - 8 INV IN (18") = 5906.26 PIPE - 7 INV IN (18") = 5906.26 PIPE - 6 INV OUT (24") = 5905.96	N: 8193.72 E: 12910.02

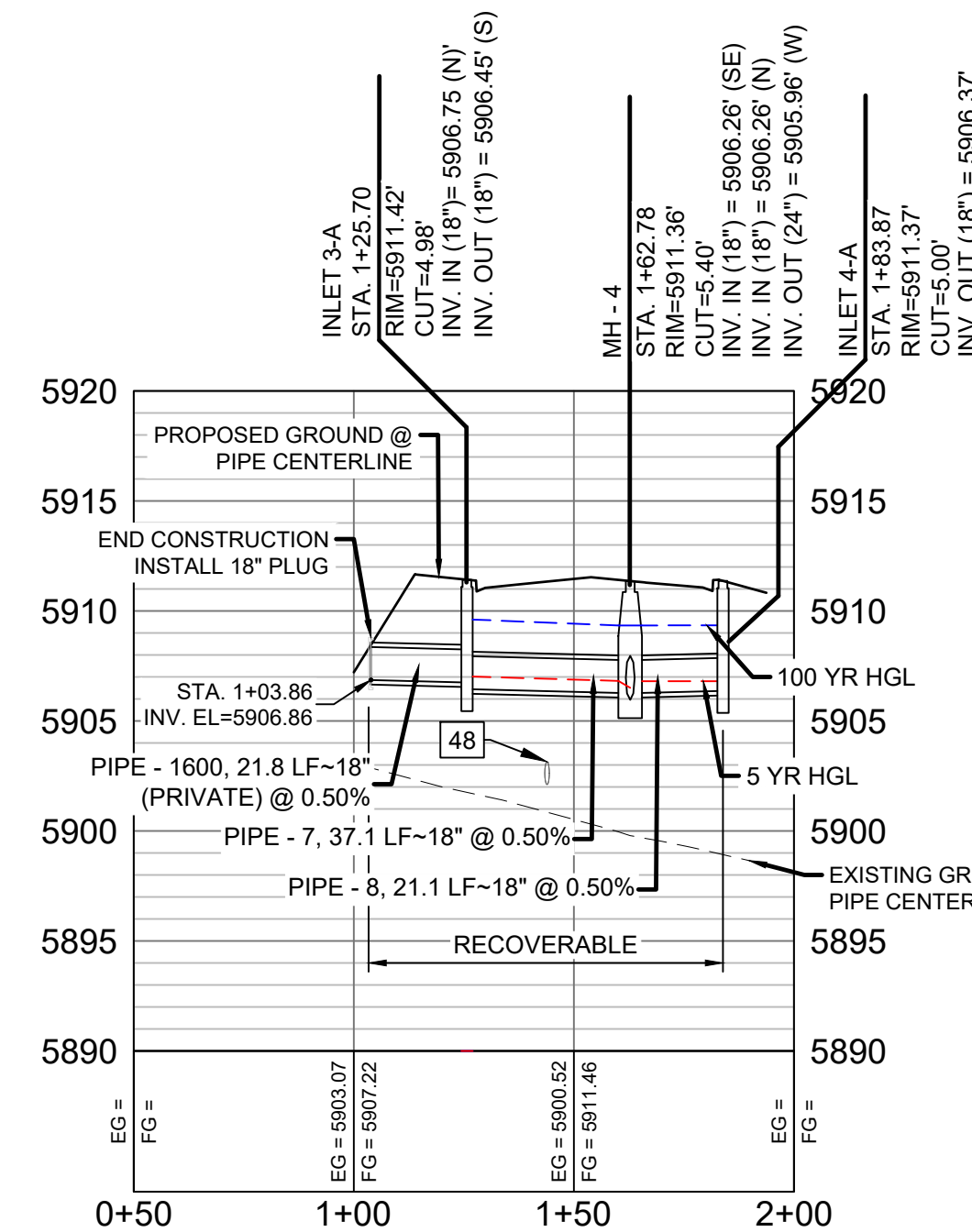
PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 4	N40°33'21"W	33.8'	0.50%	30" RCP
PIPE - 5	S25°33'54"E	23.1'	0.50%	30" RCP
PIPE - 6	N72°12'21"E	210.3'	0.74%	24" RCP
PIPE - 8	S39°20'17"E	21.1'	0.50%	18" RCP
PIPE - 7	N13°06'38"W	37.1'	0.50%	18" RCP
PIPE - 3	S69°31'23"W	169.4'	0.50%	30" RCP



FRONTSIDE DRIVE LATERAL 2 PROFILE
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 8'



FRONTSIDE DRIVE LATERAL 1 PROFILE
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 8'



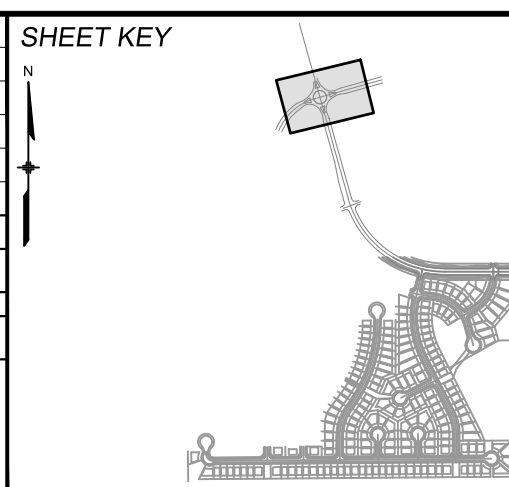
FRONTSIDE DRIVE LATERAL 3 PROFILE
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 8'

UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
46	N 8,087.07 E 12,536.78	12" PVC WATER 5736.77	30" RCP STORM 5737.88	1.10'
48	N 8,212.11 E 12,905.73	12" PVC WATER 5736.45	18" RCP STORM 5739.45	3.00'

NOTES:

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- PIPE LENGTHS ARE MEASURED FROM CENTER TO CENTER OF ALL STRUCTURES.
- ALL PIPE BENDS ANGLES ARE MEASURED FROM THE CENTER OF PIPE.
- CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING STRUCTURES.
- TOP OF BOX ELEVATIONS GIVEN FOR CDOT TYPE R INLETS REFER TO THE COUNTY STANDARD DETAIL FOR CORRESPONDING DESIGN ELEVATIONS.
- ALL RCP PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.
- PIPES OF DIFFERENT SIZES ARE TO BE MATCHED TO THE CROWN OF THE INSIDE WALL OF PIPE.
- ALL TYPE C INLETS ARE TO COLORADO DEPARTMENT OF TRANSPORTATION STANDARD TYPE M-604-10.
- 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."
- 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.B.2.

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\SD10-11.dwg			
CTB FILE: ----			
PLOT DATE: January 23, 2020 11:47:49 AM			
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

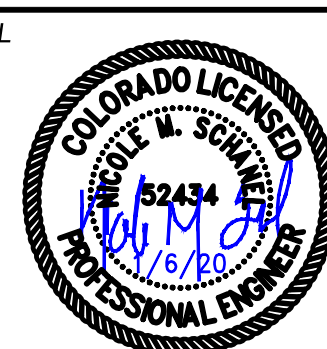
BASIS OF BEARING

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 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)

PREPARED BY:

Matrix
DESIGN GROUP

SEAL



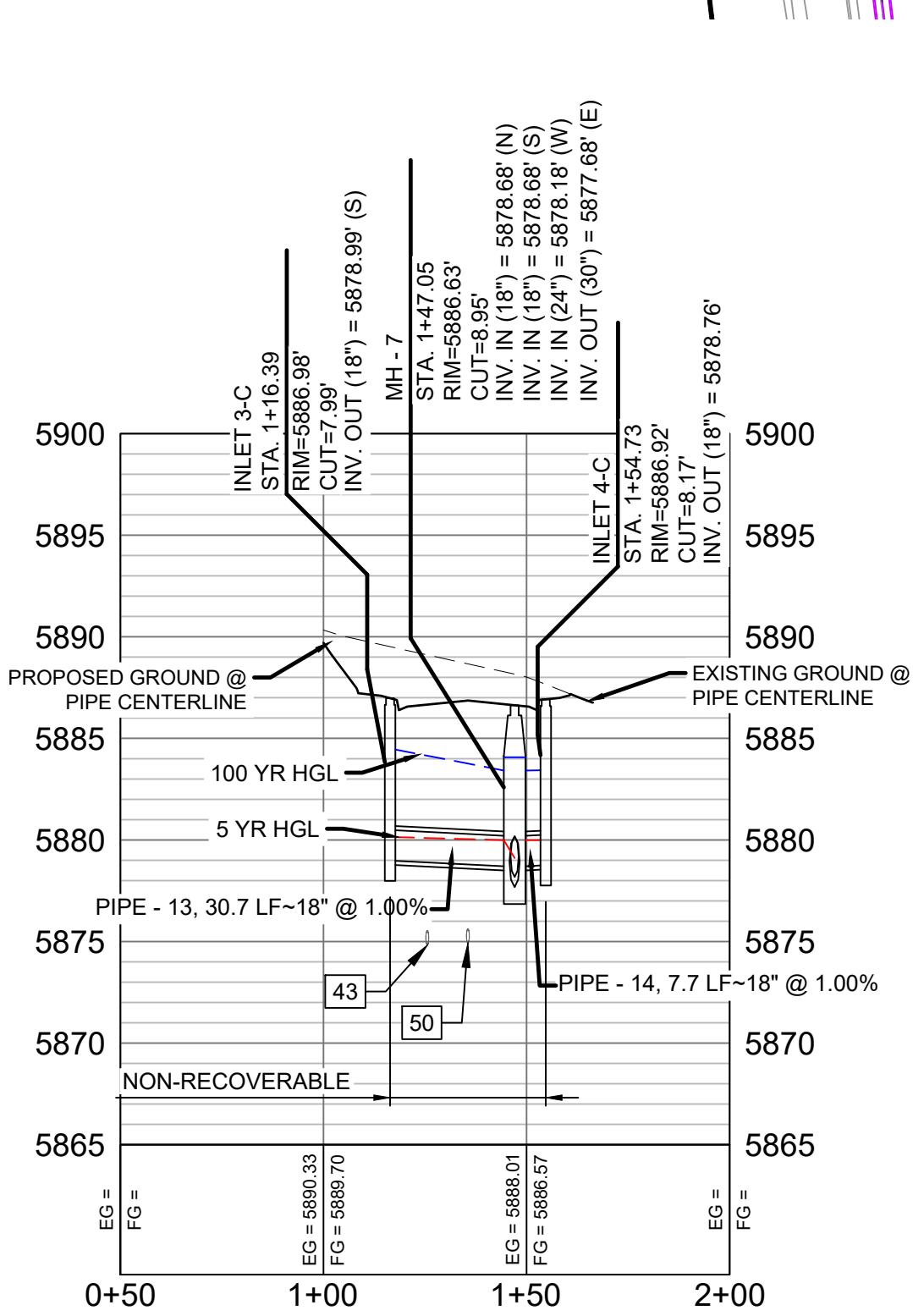
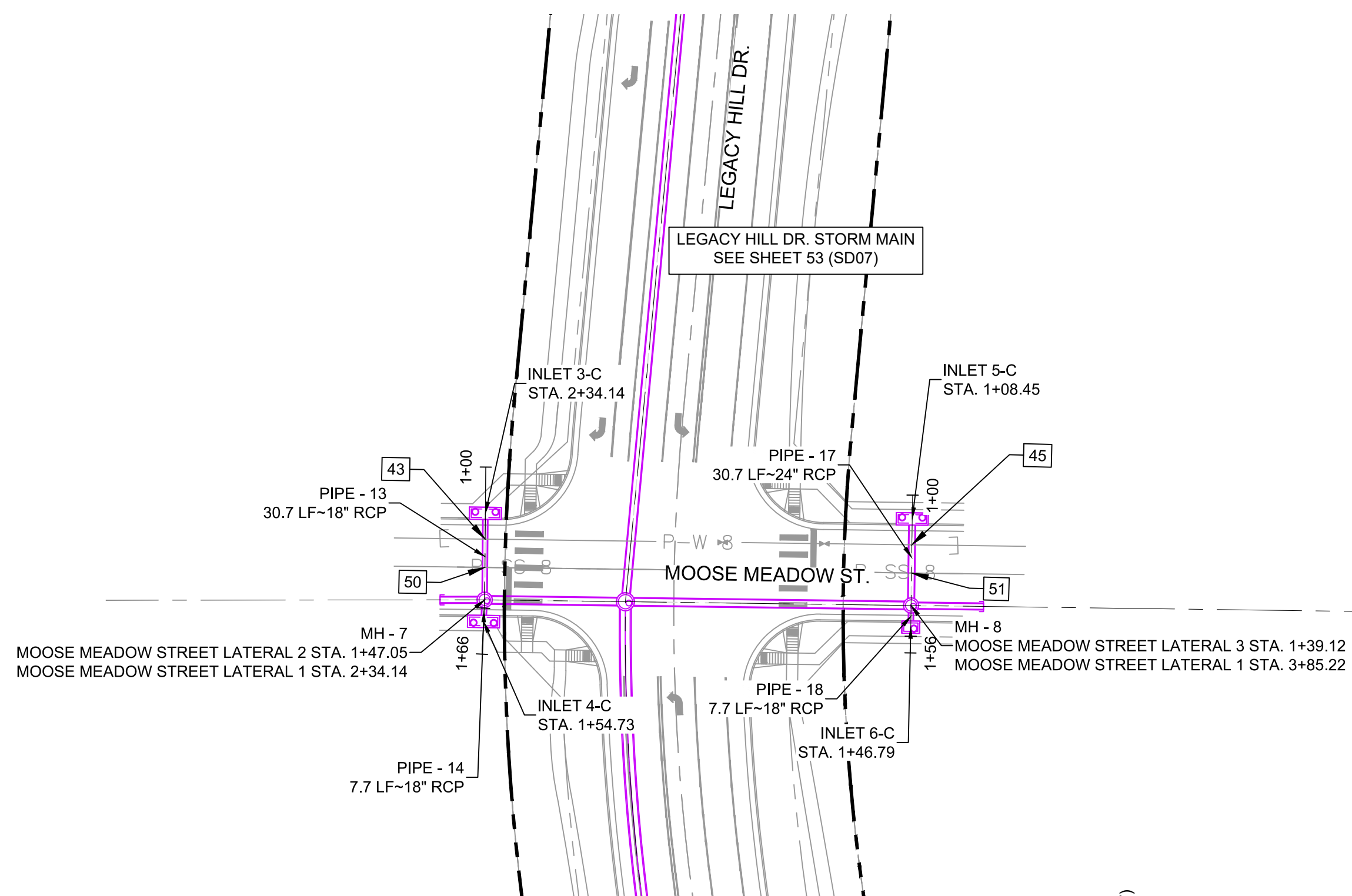
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE

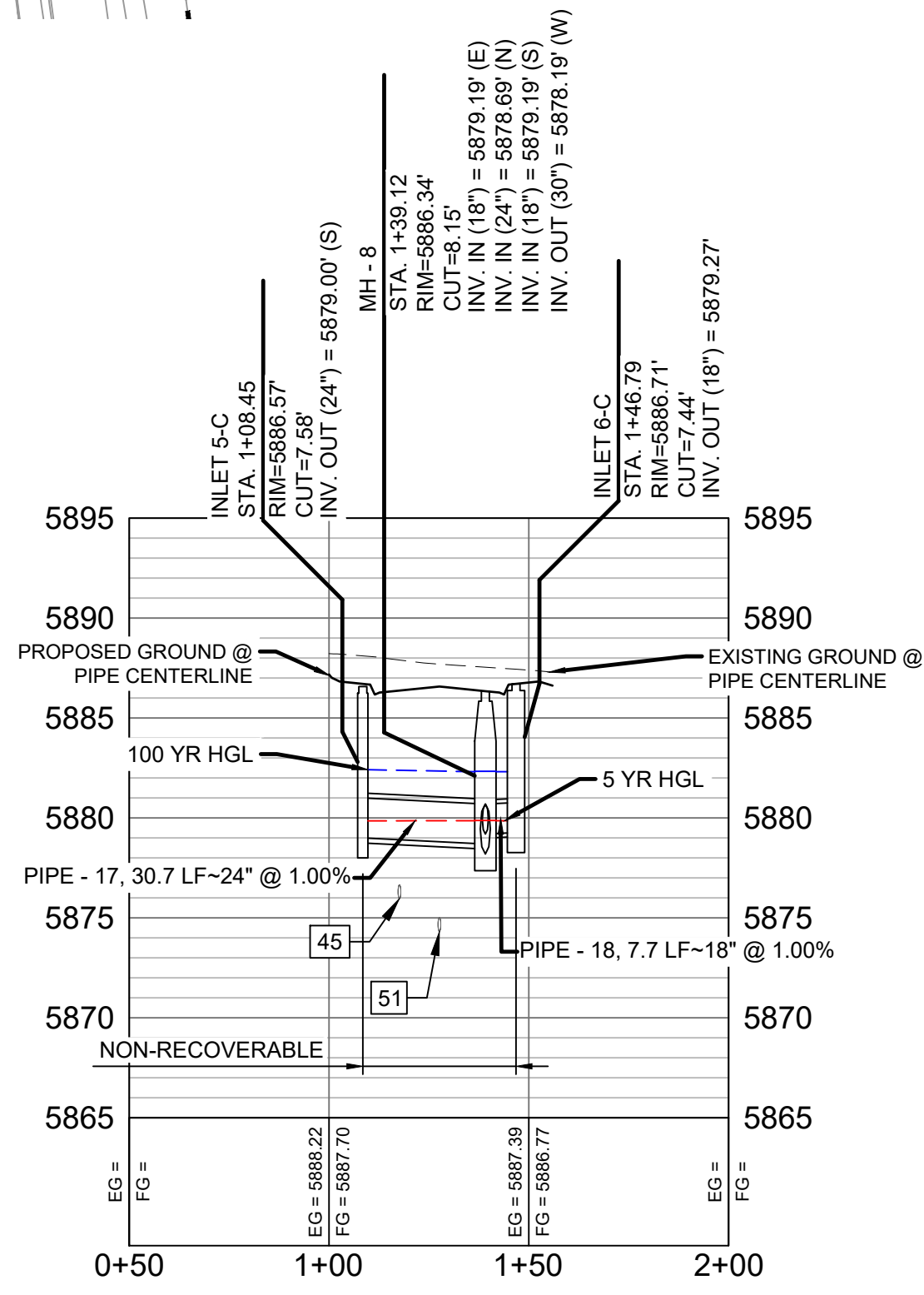
FILING NO. 1
ROADWAY & STORM IMPROVEMENT PLANS

STORM DRAIN PLAN & PROFILE

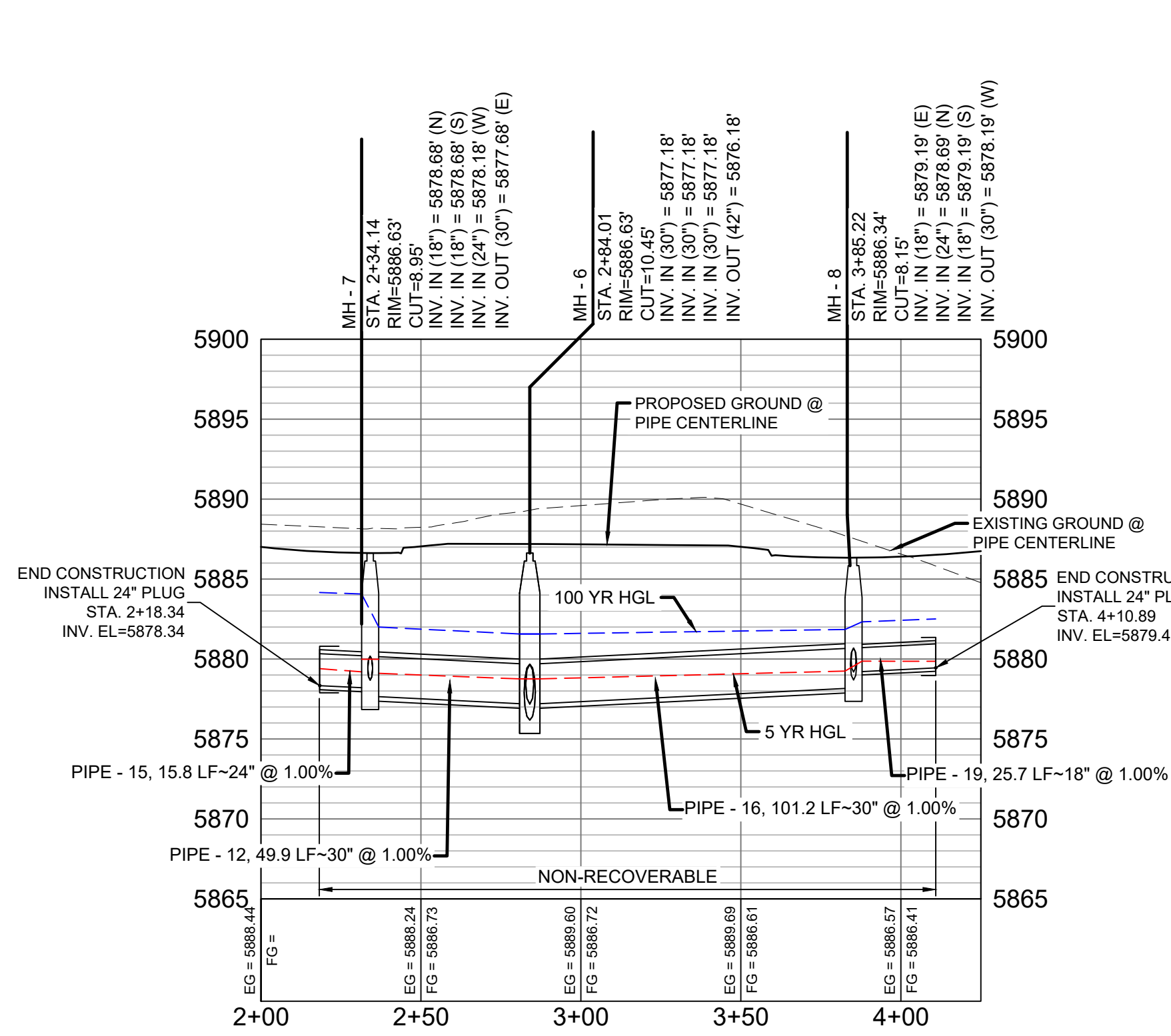
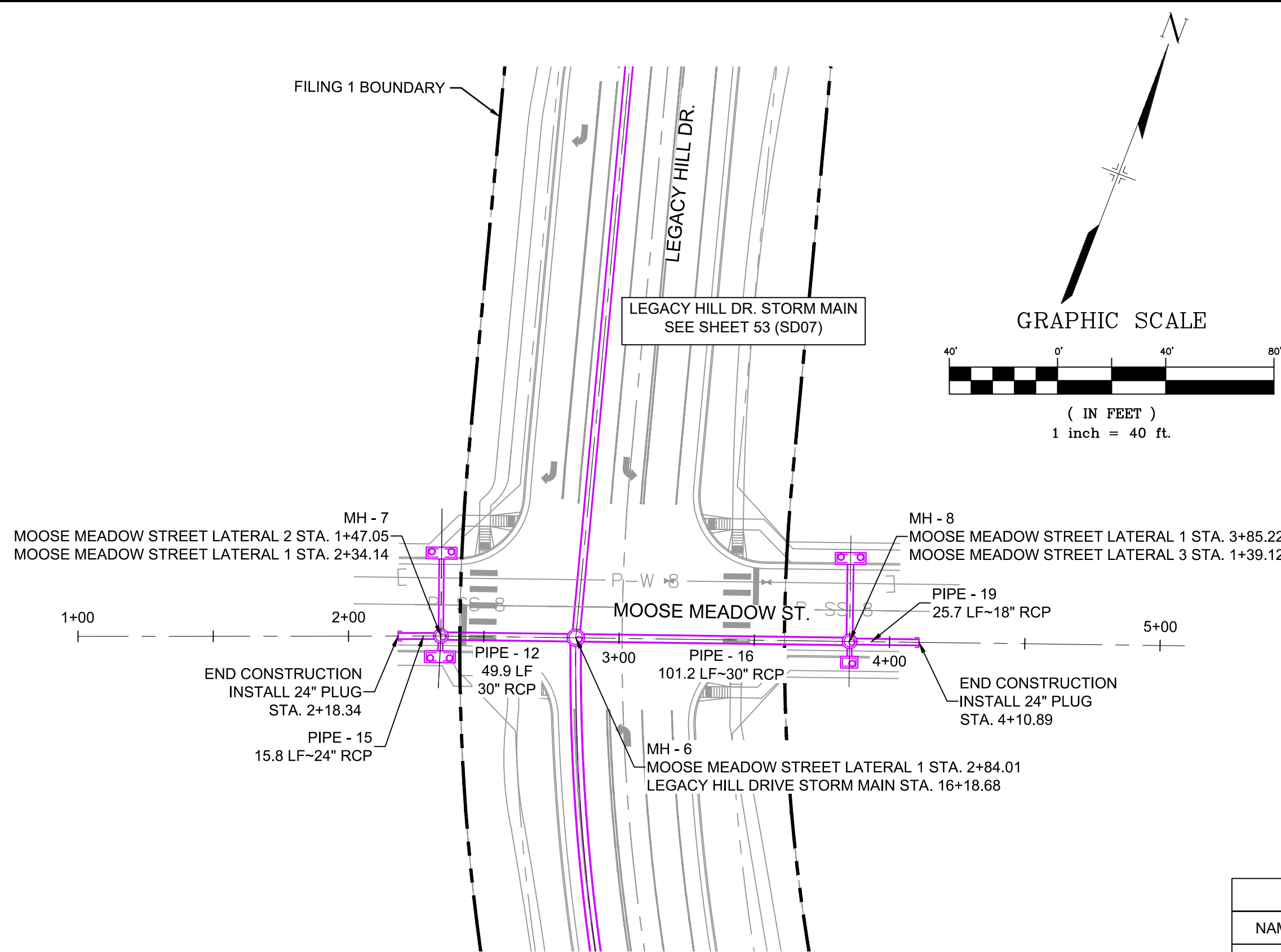
DESIGNED BY:	KMZ	SCALE		DATE ISSUED:	SEPTEMBER, 2019	DRAWING No. SD10
DRAWN BY:	LCB	HORIZ.	1" = 40'			
CHECKED BY:	NMS	VERT.	1" = 8'	SHEET	56 OF 73	

Know what's below.
Call before you dig.

MOOSE MEADOW STREET LATERAL 2 PROFILE
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 8'



MOOSE MEADOW STREET LATERAL 3 PROFILE
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 8'



MOOSE MEADOW STREET LATERAL 1 PROFILE
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 8'

UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
43	N 7,322.55	8" PVC WATER	18" RCP STORM	3.15'
	E 12,881.54	5733.39	5736.54	
45	N 7,374.85	8" PVC WATER	24" RCP STORM	2.00'
	E 13,023.39	5734.51	5736.51	
50	N 7,313.18	8" PVC SAN	18" RCP STORM	2.99'
	E 12,885.05	5875.60	5878.59	
51	N 7,365.47	8" PVC SAN	24" RCP STORM	3.56'
	E 13,026.85	5875.00	5878.56	

PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 12	S69°45'49"W	49.9'	1.00%	30" RCP
PIPE - 13	N20°30'26"W	30.7'	1.00%	18" RCP
PIPE - 14	S18°10'43"E	7.7'	1.00%	18" RCP
PIPE - 16	N69°45'35"E	101.2'	1.00%	30" RCP
PIPE - 19	N69°45'39"E	25.7'	1.00%	18" RCP
PIPE - 17	N20°14'21"W	30.7'	1.00%	24" RCP
PIPE - 18	S20°14'21"E	7.7'	1.00%	18" RCP
PIPE - 15	S68°56'14"W	15.8'	1.00%	24" RCP
PIPE - 10	S76°57'39"W	13.8'	2.00%	18" RCP

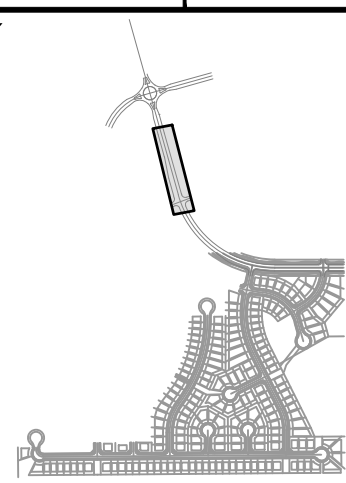
STRUCTURE TABLE				
NAME	TYPE	DETAILS	N & E	
INLET 1-B	10' ON-GRADE TYPE R INLET	RIM = 5900.60 PIPE - 10 INV OUT (18") = 5891.37	N: 7698.52 E: 12815.19	
INLET 3-C	10' SUMP TYPE R INLET	RIM = 5886.98 PIPE - 13 INV OUT (18") = 5878.99	N: 7331.13 E: 12878.33	
INLET 4-C	10' SUMP TYPE R INLET	RIM = 5886.92 PIPE - 14 INV OUT (18") = 5878.76	N: 7295.12 E: 12891.47	
INLET 5-C	10' SUMP TYPE R INLET	RIM = 5886.57 PIPE - 17 INV OUT (24") = 5879.00	N: 7383.45 E: 13020.22	
INLET 6-C	5' SUMP TYPE R INLET	RIM = 5886.71 PIPE - 18 INV OUT (18") = 5879.27	N: 7347.48 E: 13033.48	
MH - 5	4' TYPE II MH	RIM = 5900.42 PIPE - 9 INV IN (30") = 5890.09 PIPE - 10 INV IN (18") = 5891.09 PIPE - 11 INV OUT (30") = 5889.09	N: 7701.64 E: 12828.66	
MH - 6	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5886.63 PIPE - 11 INV IN (30") = 5877.18 PIPE - 12 INV IN (30") = 5877.18 PIPE - 16 INV IN (30") = 5877.18 PIPE - 20 INV OUT (42") = 5876.18	N: 7319.66 E: 12935.87	
MH - 7	4' TYPE II 1' DROP MH	RIM = 5886.63 PIPE - 13 INV IN (18") = 5878.68 PIPE - 14 INV IN (18") = 5878.68 PIPE - 15 INV IN (24") = 5878.18 PIPE - 12 INV OUT (30") = 5877.68	N: 7302.41 E: 12889.08	
MH - 8	4' TYPE II MH	RIM = 5886.34 PIPE - 19 INV IN (18") = 5879.19 PIPE - 17 INV IN (24") = 5878.69 PIPE - 18 INV IN (18") = 5879.19 PIPE - 16 INV OUT (30") = 5878.19	N: 7354.68 E: 13030.83	

NOTES:

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REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\SD10-11.dwg			
CTB FILE: ----			
PLOT DATE: January 23, 2020 11:48:11 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

SHEET KEY



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, 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.
NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4' CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)

PREPARED BY:

Matrix
DESIGN GROUP

SEAL



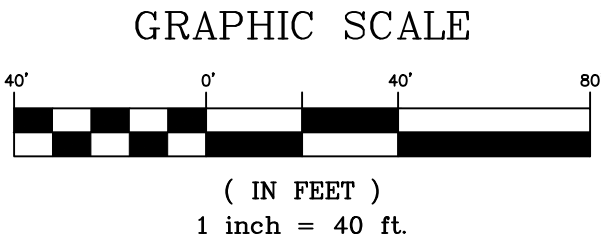
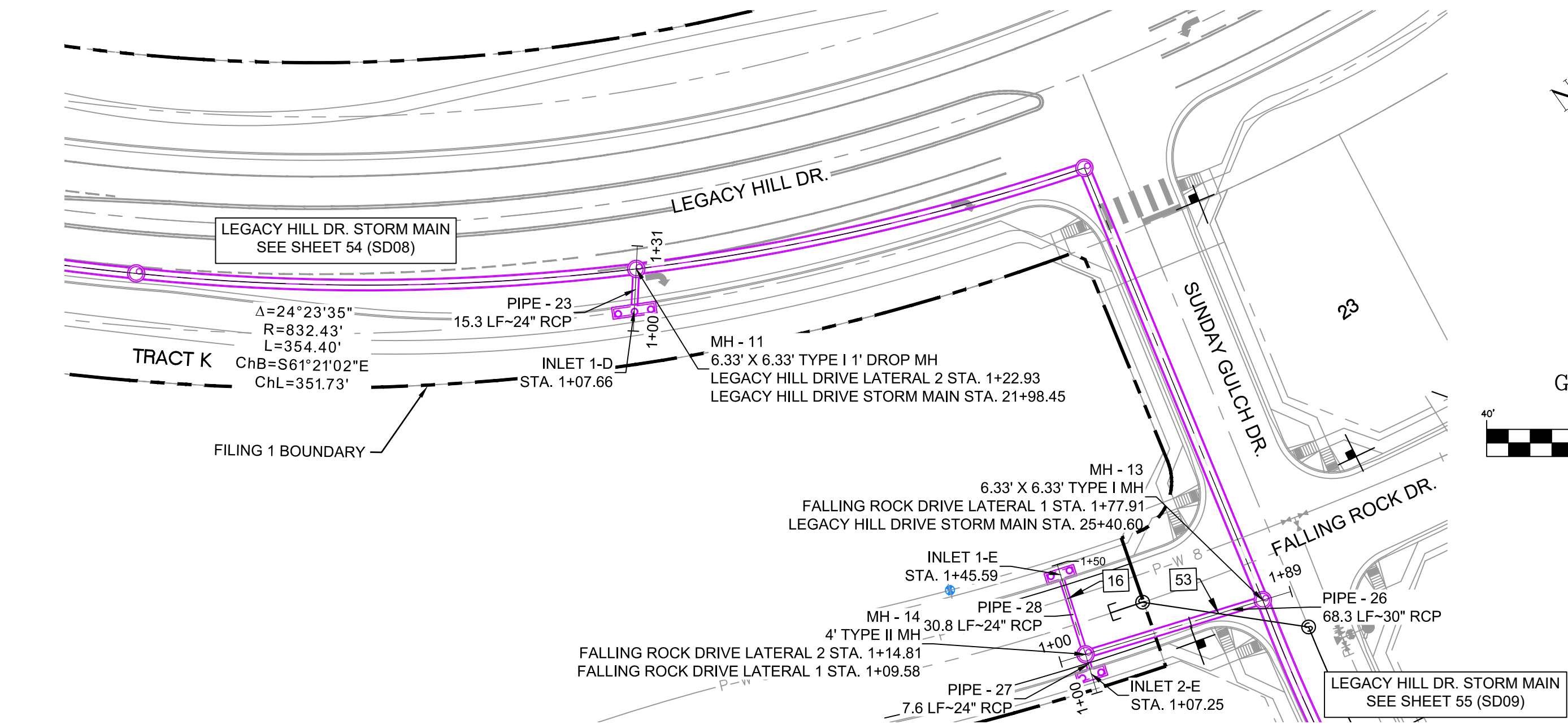
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE

FILING NO. 1
ROADWAY & STORM IMPROVEMENT PLANS

STORM DRAIN PLAN & PROFILE

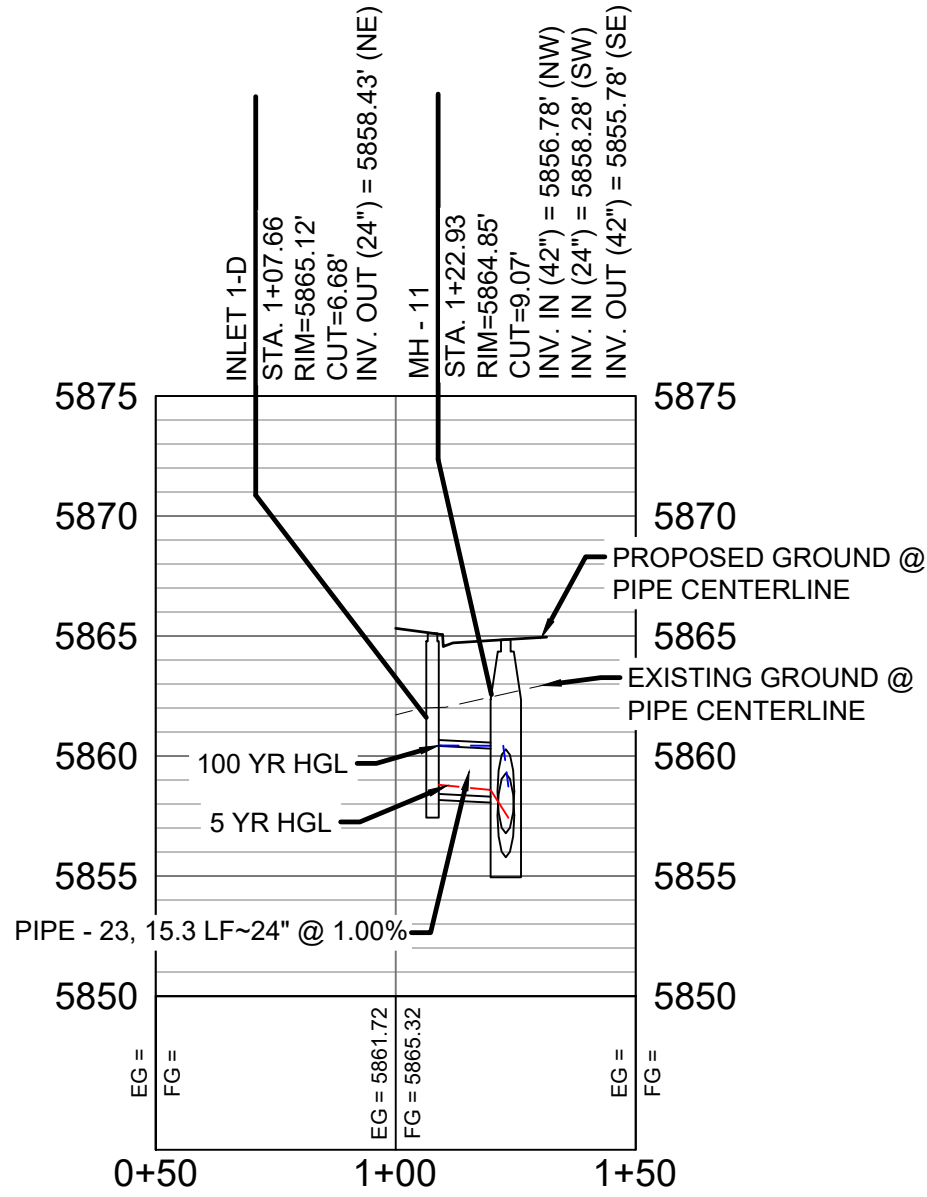
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DRAWN BY:	LCB	HORIZ	1" = 40'		SD11
CHECKED BY:	NMS	VERT.	1" = 8'	SHEET	57 OF 73



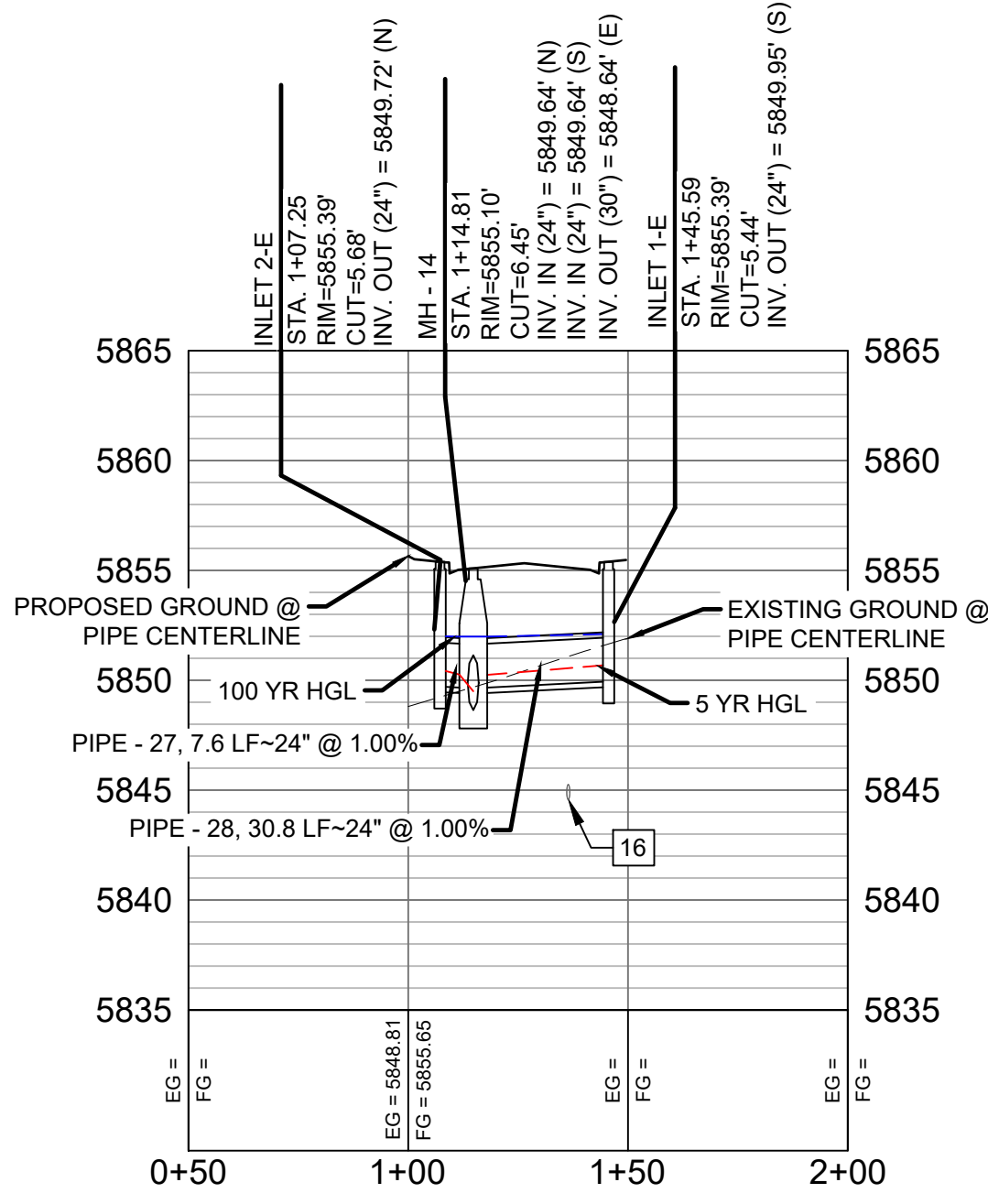
UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
16	N 6.703.91 E 13.372.42	8" PVC WATER 5845.27	24" RCP STORM 5849.65	4.38'
53	N 6.667.51 E 13.414.51	8" PVC SAN 5843.18	30" RCP STORM 5848.09	4.91'

PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 26	N71°59'55"W	68.3'	0.50%	30" RCP
PIPE - 28	N17°33'46"E	30.8'	1.00%	24" RCP
PIPE - 27	S18°20'37"W	7.6'	1.00%	24" RCP
PIPE - 23	S37°42'09"W	15.3'	1.00%	24" RCP

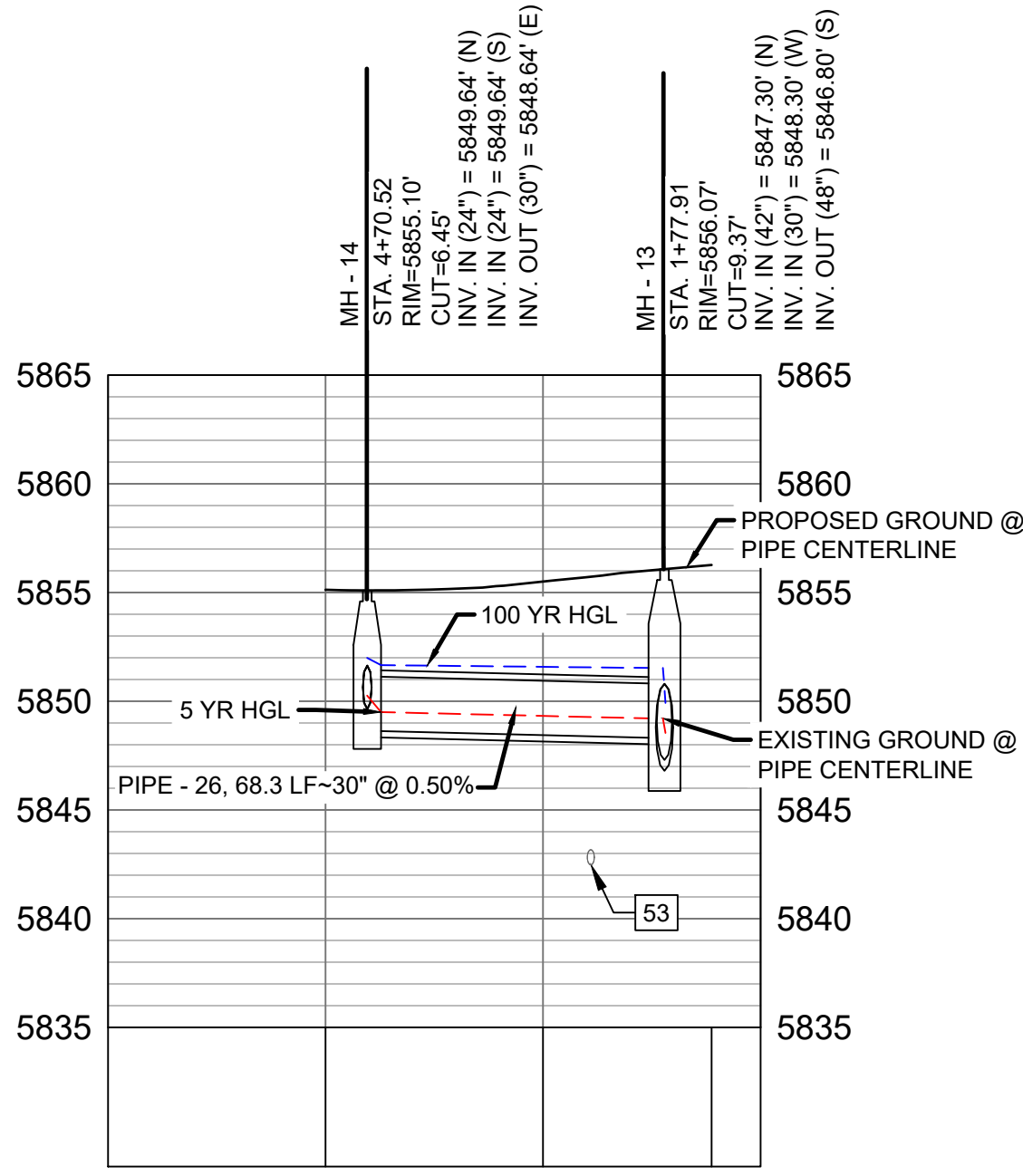
STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
INLET 1-D	15' ON-GRADE TYPE R INLET	RIM = 5865.12 PIPE - 23 INV OUT (24") = 5858.43	N: 6882.78 E: 13302.14
INLET 1-E	10' SUMP TYPE R INLET	RIM = 5855.39 PIPE - 28 INV OUT (24") = 5849.95	N: 6712.74 E: 13374.91
INLET 2-E	10' SUMP TYPE R INLET	RIM = 5855.39 PIPE - 27 INV OUT (24") = 5849.72	N: 6676.22 E: 13363.24
MH - 11	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5864.85 PIPE - 22 INV IN (42") = 5856.78 PIPE - 23 INV IN (24") = 5858.28 PIPE - 24 INV OUT (42") = 5855.78	N: 6894.86 E: 13311.48
MH - 13	6.33' X 6.33' TYPE I MH	RIM = 5856.07 PIPE - 25 INV IN (42") = 5847.30 PIPE - 26 INV IN (30") = 5848.30 PIPE - 29 INV OUT (48") = 5846.80	N: 6662.28 E: 13430.61
MH - 14	4' TYPE II MH	RIM = 5855.10 PIPE - 28 INV IN (24") = 5849.64 PIPE - 27 INV IN (24") = 5849.64 PIPE - 26 INV OUT (30") = 5848.64	N: 6683.40 E: 13365.62



LEGACY HILL DRIVE LATERAL 2 PROFILE
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 8'



FALLING ROCK DRIVE LATERAL 2 PROFILE
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 8'



FALLING ROCK DRIVE LATERAL 1 PROFILE
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 8'

- NOTES:
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 - ALL PIPE BENDS ANGLES ARE MEASURED FROM THE CENTER OF PIPE.
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REFERENCE DRAWINGS

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\SD12.dwg			
CTB FILE: ----			
PLOT DATE: January 23, 2020 11:51:22 AM			
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SHEET KEY

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 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)

PREPARED BY:

Matrix DESIGN GROUP

SEAL

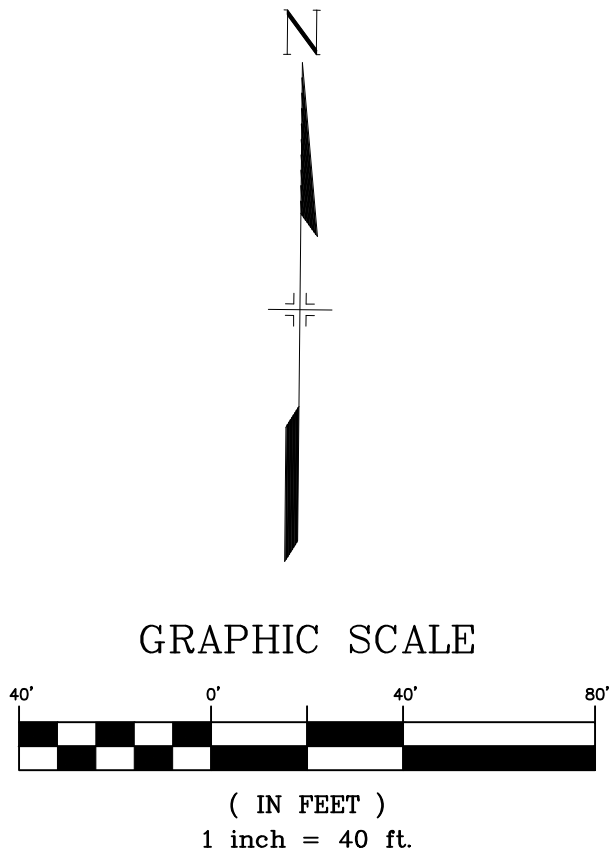
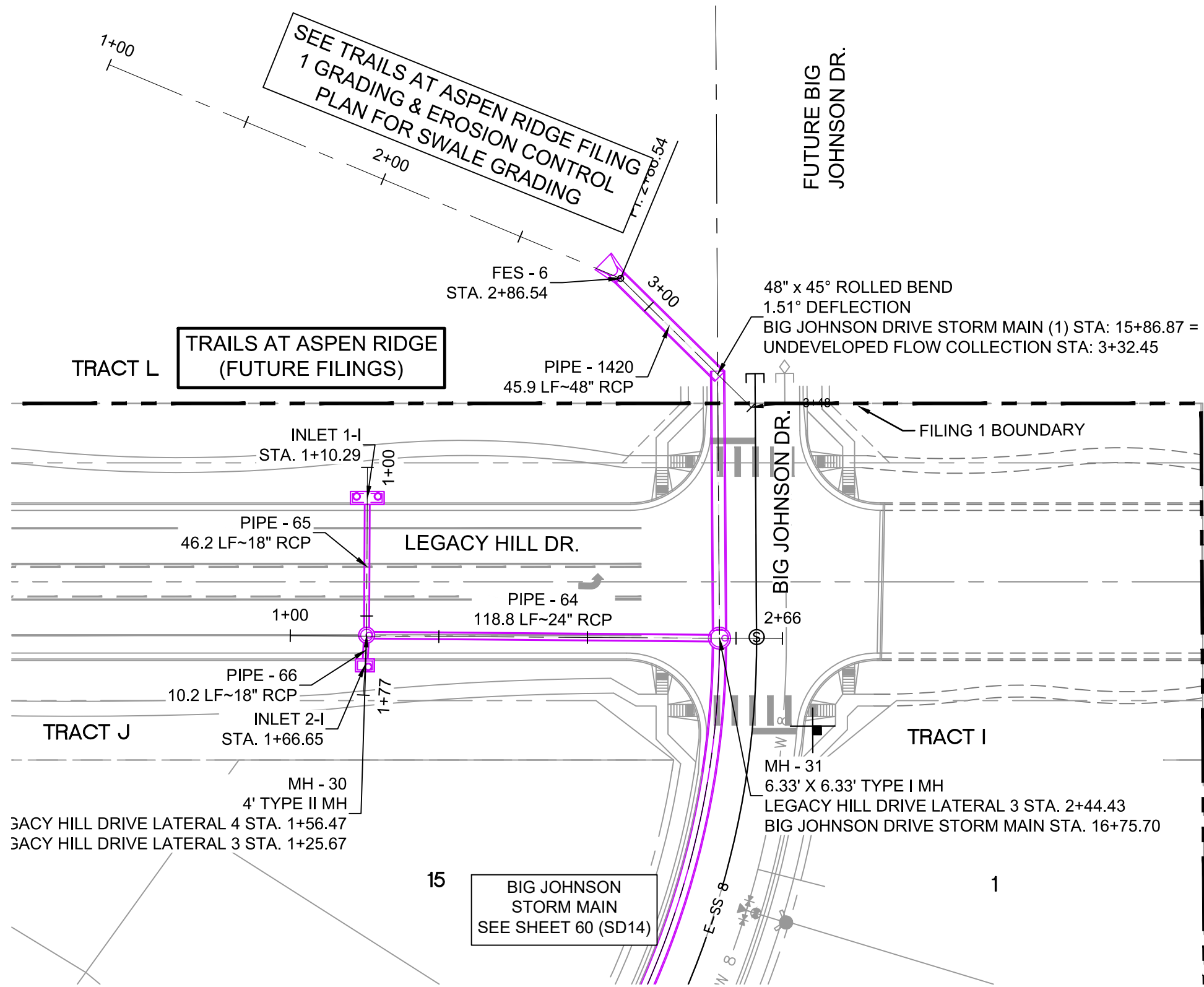
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE

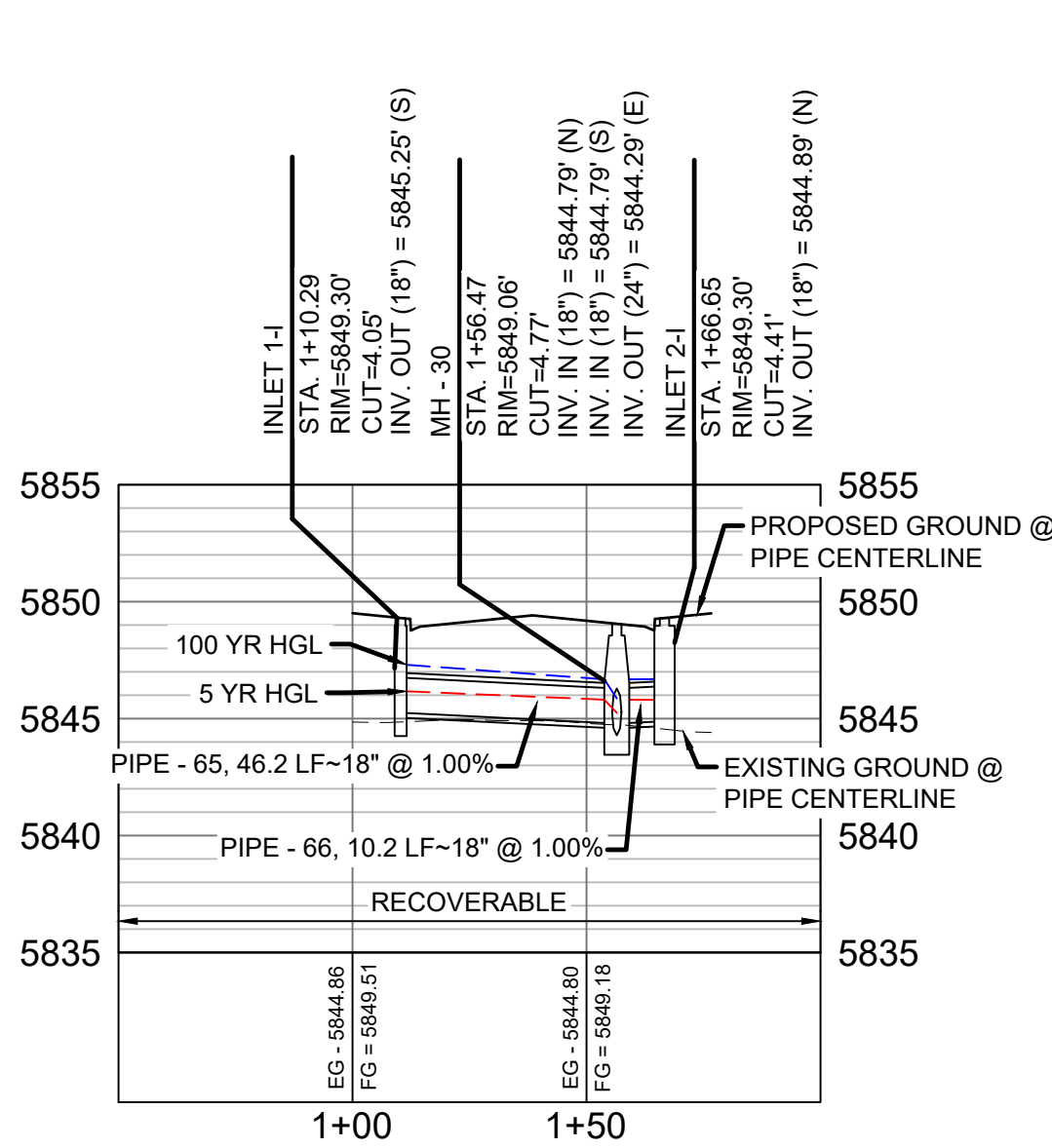
FILING NO. 1
ROADWAY & STORM IMPROVEMENT PLANS

STORM DRAIN PLAN & PROFILE

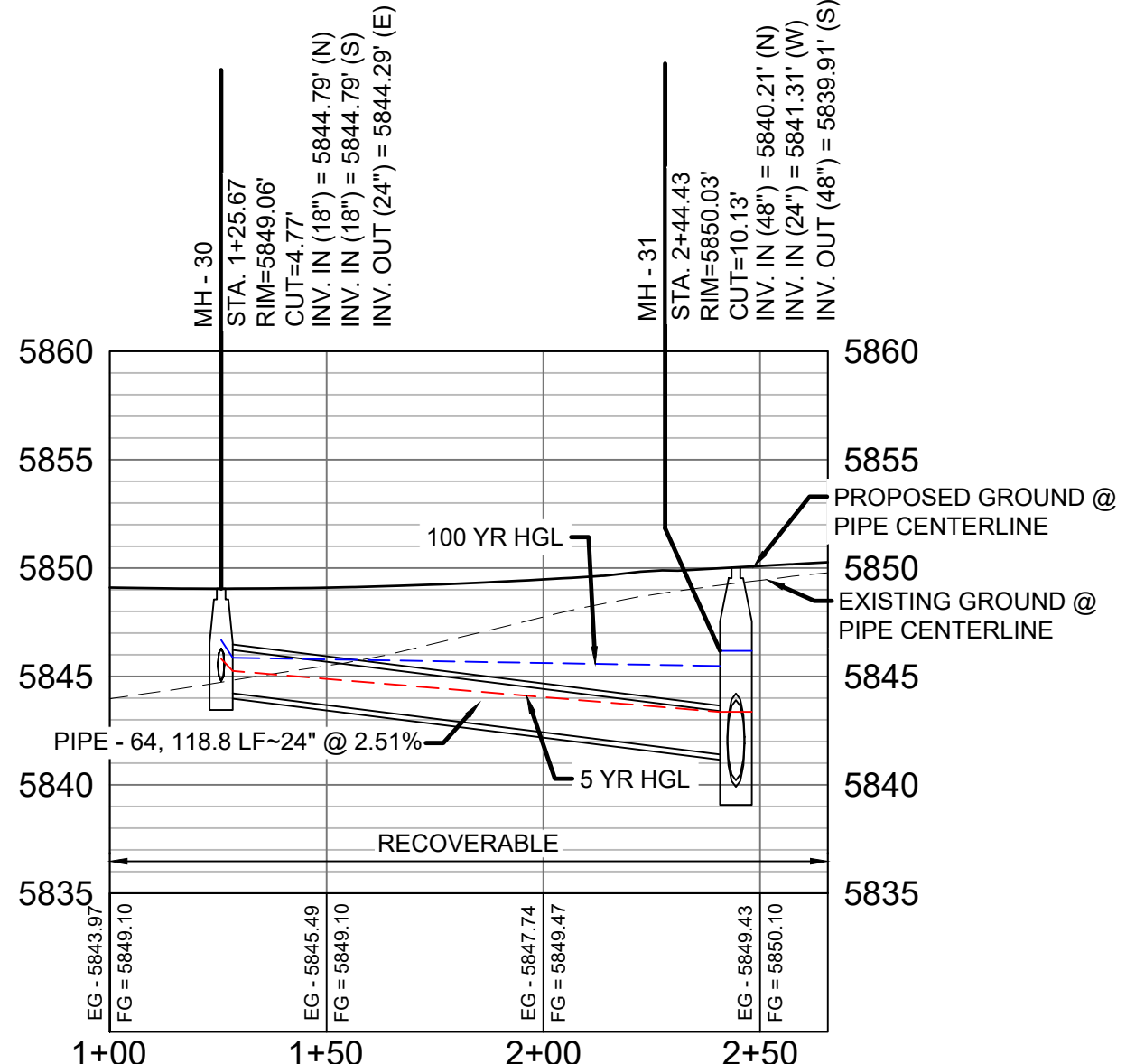
DESIGNED BY:	KMZ	SCALE	HORIZ 1" = 40'	DATE ISSUED:	SEPTEMBER, 2019	DRAWING No.	SD12
DRAWN BY:	LCB	VERT. 1" = 8'	SHEET	58 OF 73			



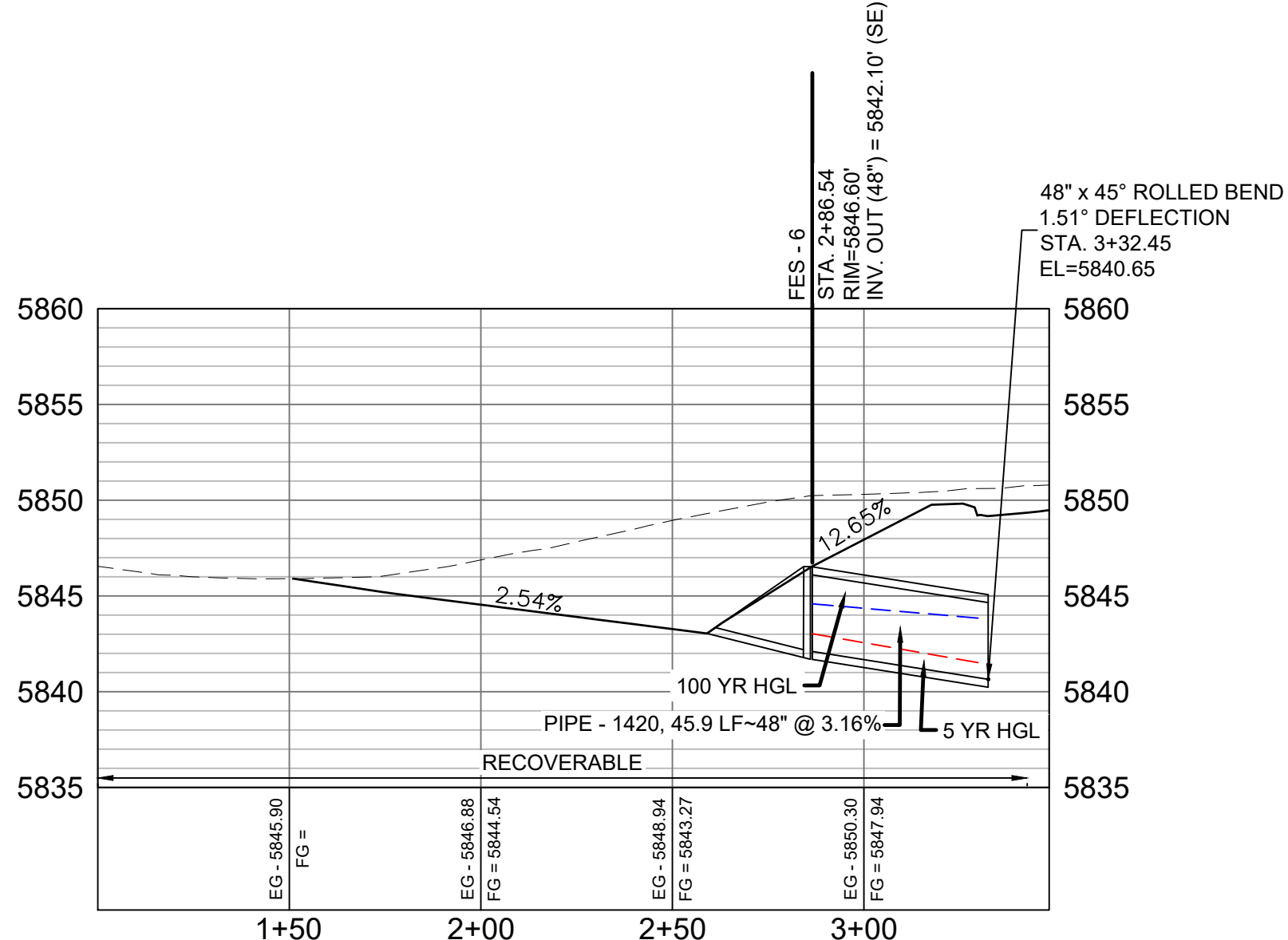
STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
FES - 6	48" FES	RIM = 5846.60 PIPE - 1420 INV OUT (48") = 5842.10	N: 6942.52 E: 13970.17
INLET 1-I	10' SUMP TYPE R INLET	RIM = 5849.30 PIPE - 65 INV OUT (18") = 5845.25	N: 6868.66 E: 13884.96
INLET 2-I	5' SUMP TYPE R INLET	RIM = 5849.30 PIPE - 66 INV OUT (18") = 5844.89	N: 6812.31 E: 13884.17
MH - 30	4' TYPE II MH	RIM = 5849.06 PIPE - 65 INV IN (18") = 5844.79 PIPE - 66 INV IN (18") = 5844.79 PIPE - 64 INV OUT (24") = 5844.29	N: 6822.48 E: 13884.73
MH - 31	6.33' X 6.33' TYPE I MH	RIM = 5850.03 PIPE - 63 INV IN (48") = 5840.21 PIPE - 64 INV IN (24") = 5841.31 PIPE - 67 INV OUT (48") = 5839.91	N: 6821.46 E: 14003.48
MH - 204	6.33' X 6.33' TYPE I MH	RIM = 5849.18 PIPE - 203 INV IN (48") = 5840.84 PIPE - 223 INV IN (18") = 5843.34 PIPE - 222 INV IN (18") = 5843.34 PIPE - 232 INV OUT (48") = 5840.74	N: 6927.98 E: 14002.74



LEGACY HILL DRIVE LATERAL 4 PROFILE
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 8'



LEGACY HILL DRIVE LATERAL 3 PROFILE
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 8'

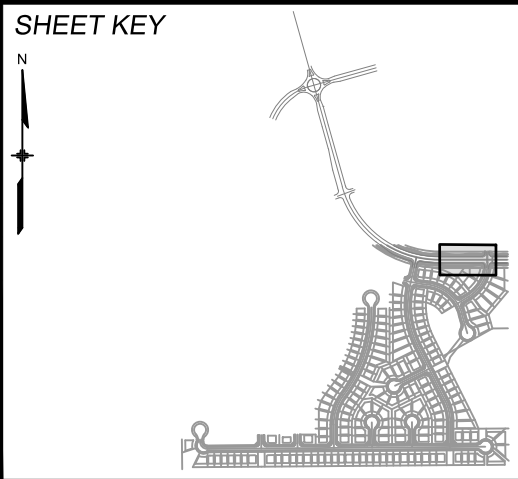


UNDEVELOPED FLOW COLLECTION PROFILE
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 8'

PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 1420	N45°24'43"W	45.9'	3.16%	48" RCP
PIPE - 64	N89°30'31"W	118.8'	2.51%	24" RCP
PIPE - 65	N00°16'54"E	46.2'	1.00%	18" RCP
PIPE - 66	S03°09'19"W	10.2'	1.00%	18" RCP

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No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\SD13-14.dwg			
CTB FILE: ----			
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THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

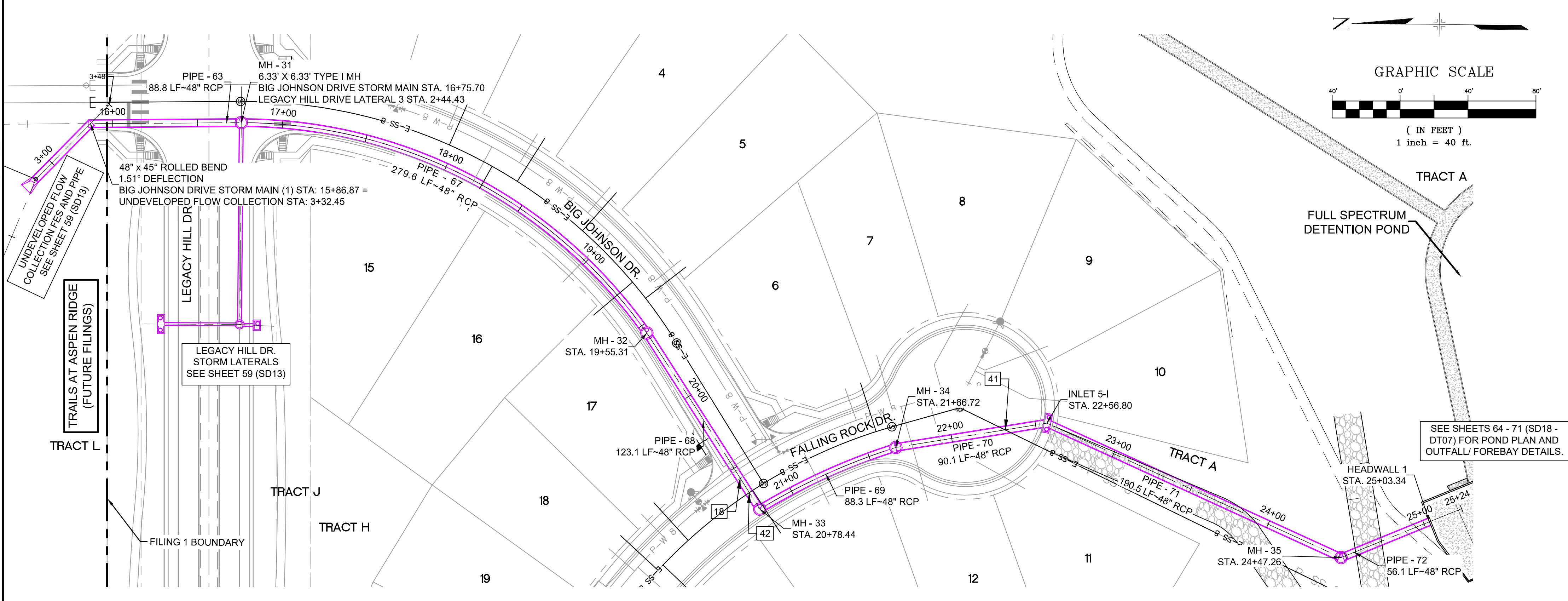


BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.
ELEVATION - 5897.89' U.S. SURVEY FT

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 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)

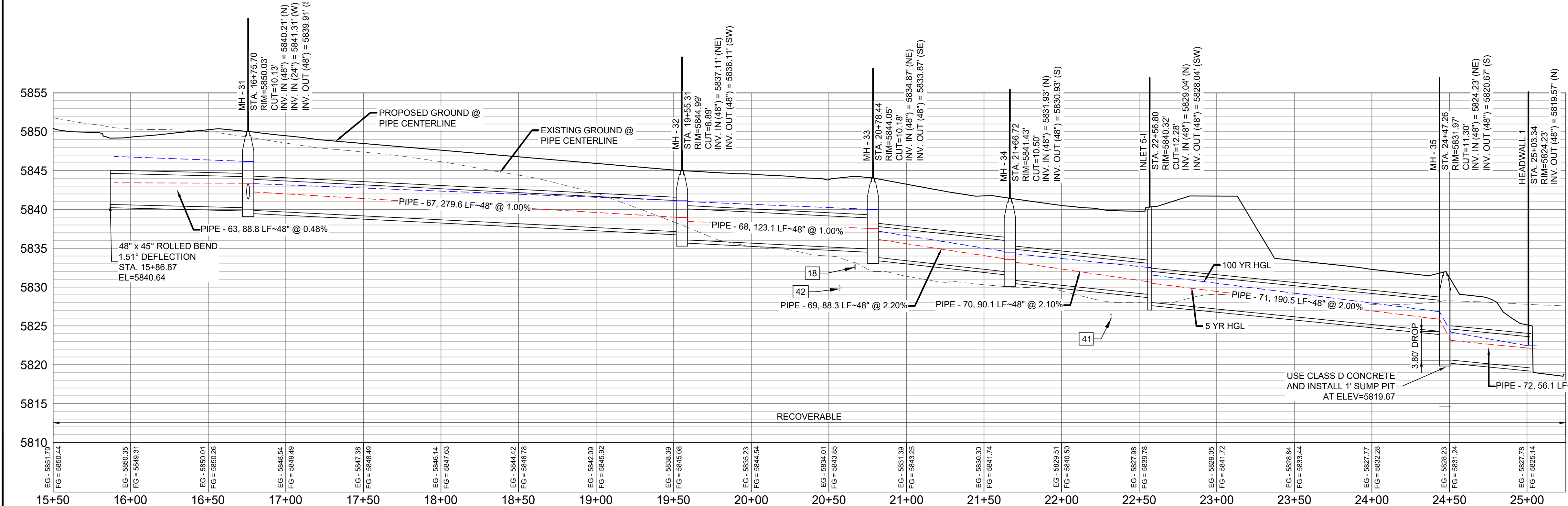


TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
STORM DRAIN PLAN & PROFILE			
DESIGNED BY: KMZ	SCALE: 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SD13
DRAWN BY: LCB	HORIZ. 1" = 40'		
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 59 OF 73	



UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
18	N 6,527.71 E 13,794.11	8" PVC WATER 5830.27	48" RCP STORM 5834.68	4.52'
41	N 6,373.53 E 13,823.63	8" PVC SAN 5826.60	48" RCP STORM 5829.29	2.69'
42	N 6,522.39 E 13,785.59	8" PVC SAN 5832.96	48" RCP STORM 5834.52	1.56'

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
HEADWALL 1	25'-1/2" HEADWALL	RIM = 5824.23 PIPE - 72 INV IN (48") = 5819.57	N: 6121.72 E: 13768.57
INLET 5-I	10' SUMP TYPE R INLET (1' DROP)	RIM = 5840.32 PIPE - 70 INV IN (48") = 5829.04 PIPE - 71 INV OUT (48") = 5828.04	N: 6346.94 E: 13826.64
MH - 31	6.33' X 6.33' TYPE I MH	RIM = 5850.03 PIPE - 63 INV IN (48") = 5840.21 PIPE - 64 INV IN (24") = 5841.31 PIPE - 67 INV OUT (48") = 5839.91	N: 6821.46 E: 14003.48
MH - 32	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5844.99 PIPE - 67 INV IN (48") = 5837.11 PIPE - 68 INV OUT (48") = 5836.11	N: 6582.59 E: 13879.65
MH - 33	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5844.05 PIPE - 68 INV IN (48") = 5834.87 PIPE - 69 INV OUT (48") = 5833.87	N: 6516.10 E: 13776.02
MH - 34	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5841.43 PIPE - 69 INV IN (48") = 5831.93 PIPE - 70 INV OUT (48") = 5830.93	N: 6435.89 E: 13812.37
MH - 35	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5831.97 PIPE - 71 INV IN (48") = 5824.23 PIPE - 72 INV OUT (48") = 5820.67	N: 6173.69 E: 13747.51
MH - 204	6.33' X 6.33' TYPE I MH	RIM = 5849.18 PIPE - 203 INV IN (48") = 5840.84 PIPE - 223 INV IN (18") = 5843.34 PIPE - 222 INV IN (18") = 5843.34 PIPE - 232 INV OUT (48") = 5840.74	N: 6927.98 E: 14002.74

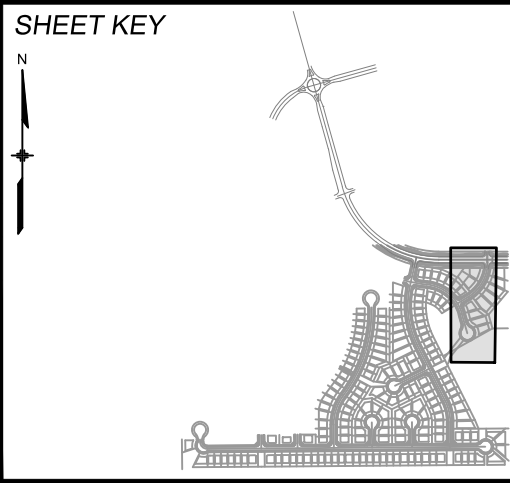


PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 68	S57°19'01"W	123.1'	1.00%	48" RCP
PIPE - 72	S22°03'30"E	56.1'	1.96%	48" RCP
PIPE - 63	S00°23'44"E	88.8'	0.48%	48" RCP
PIPE - 70	S09°06'55"E	90.1'	2.10%	48" RCP
PIPE - 71	S24°32'55"W	190.5'	2.00%	48" RCP

PIPE TABLE					
PIPE NAME	RADIUS	CHORD LENGTH	LENGTH	SLOPE	SIZE
PIPE - 67	292.32'	269.07'	279.60'	1.000%	48" RCP
PIPE - 69	368.81'	88.06'	88.27'	2.200%	48" RCP

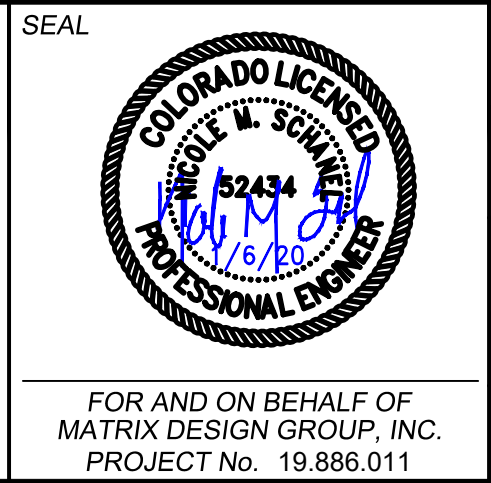
- NOTES:
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 - ALL PIPE BENDS ANGLES ARE MEASURED FROM THE CENTER OF PIPE.
 - CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING STRUCTURES.
 - TOP OF BOX ELEVATIONS GIVEN FOR CDOT TYPE R INLETS REFER TO THE COUNTY STANDARD DETAIL FOR CORRESPONDING DESIGN ELEVATIONS.
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 - ALL TYPE C INLETS ARE TO COLORADO DEPARTMENT OF TRANSPORTATION STANDARD TYPE M-604-10.
 - 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.
 - 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.B.2.

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\SD13-14.dwg			
CTB FILE: ----			
PLOT DATE: January 23, 2020 11:53:40 AM			
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

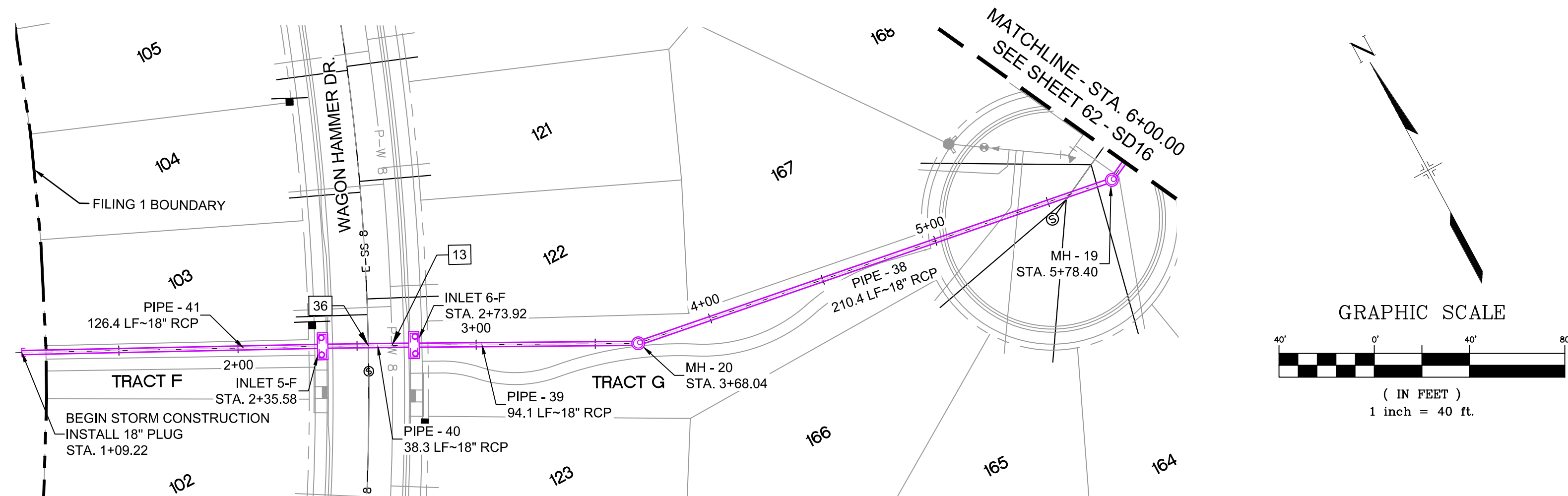
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS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



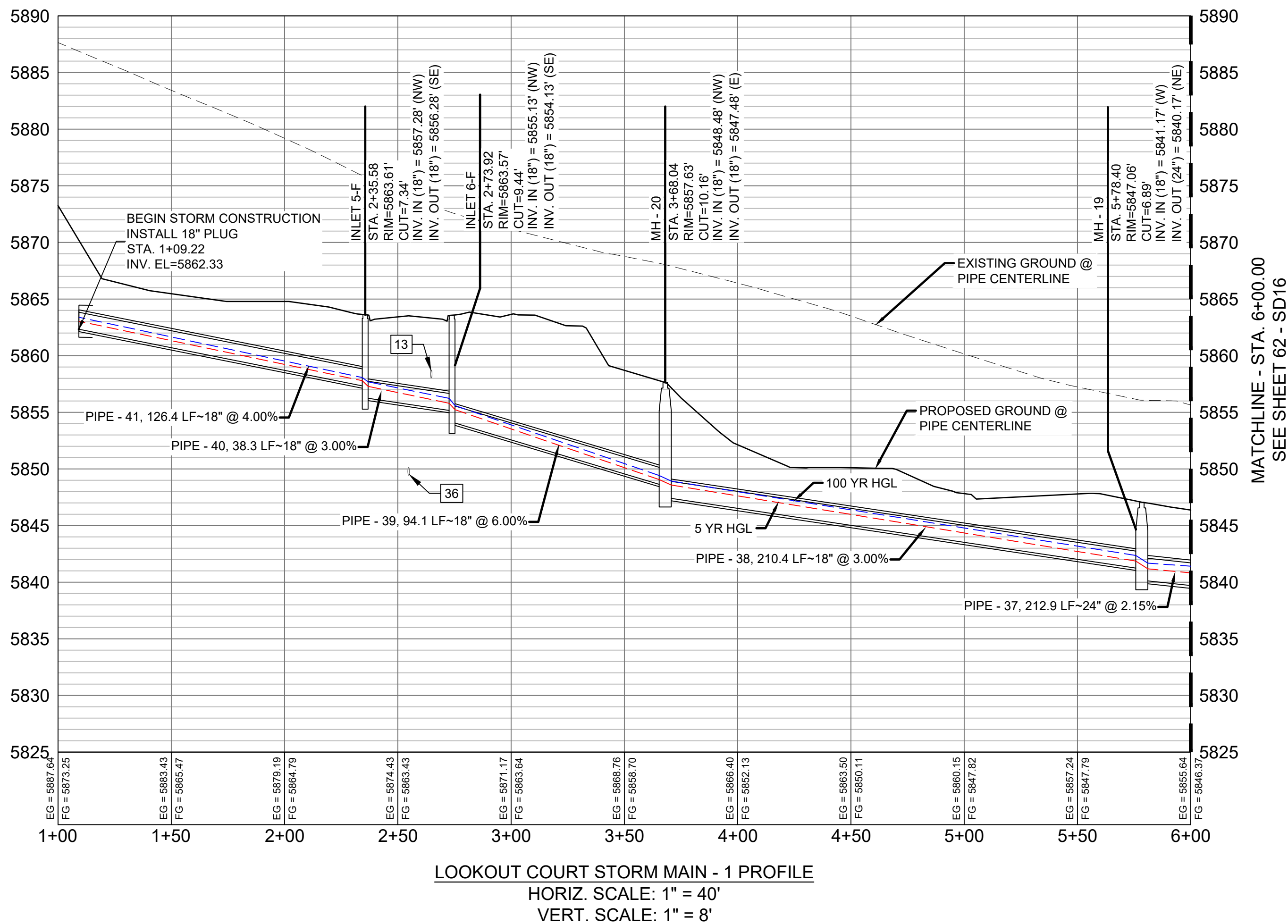
TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
STORM DRAIN PLAN & PROFILE			
DESIGNED BY: KMZ	SCALE: HORIZ 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SD14
DRAWN BY: LCB	VERT. 1" = 8'	SHEET 60 OF 73	
CHECKED BY: NMS			



Know what's below.
Call before you dig.



UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
13	N 5,982.06	18" RCP STORM	8" PVC WATER	1.00'
	E 13,049.72	5857.05	5858.05	
36	N 5,986.69	8" PVC SAN	18" RCP STORM	4.42'
	E 13,040.96	5850.14	5854.66	



STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
INLET 5-F	10' ON-GRADE TYPE R INLET (1' DROP)	RIM = 5863.61 PIPE - 41 INV IN (18") = 5857.28 PIPE - 40 INV OUT (18") = 5856.28	N: 5995.43 E: 13023.79
INLET 6-F	10' ON-GRADE TYPE R INLET (1' DROP)	RIM = 5863.57 PIPE - 40 INV IN (18") = 5855.13 PIPE - 39 INV OUT (18") = 5854.13	N: 5977.85 E: 13057.86
MH - 19	4' TYPE II 1' DROP MH	RIM = 5847.06 PIPE - 38 INV IN (18") = 5841.17 PIPE - 37 INV OUT (24") = 5840.17	N: 5901.55 E: 13349.10
MH - 20	4' TYPE II 1' DROP MH	RIM = 5857.63 PIPE - 39 INV IN (18") = 5848.48 PIPE - 38 INV OUT (18") = 5847.48	N: 5934.33 E: 13141.31

PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 38	N81°02'02"W	210.4'	3.00%	18" RCP
PIPE - 39	N62°27'25"W	94.1'	6.00%	18" RCP
PIPE - 40	N62°43'00"W	38.3'	3.00%	18" RCP
PIPE - 41	N63°12'15"W	126.4'	4.00%	18" RCP
PIPE - 37	S63°24'17"W	212.9'	2.15%	24" RCP

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REFERENCE DRAWINGS

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\SD15-16.dwg			
CTB FILE: ----			
PLOT DATE: January 23, 2020 11:57:21 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

SHEET KEY

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 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)

PREPARED BY:

Matrix DESIGN GROUP

SEAL

FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE

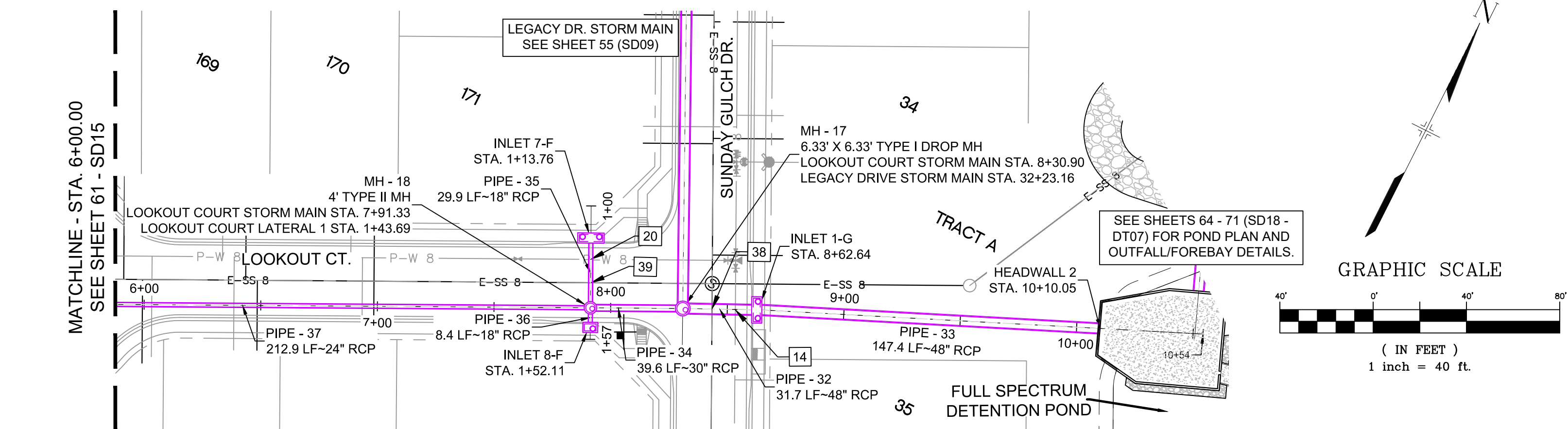
FILING NO. 1
ROADWAY & STORM IMPROVEMENT PLANS

STORM DRAIN PLAN & PROFILE

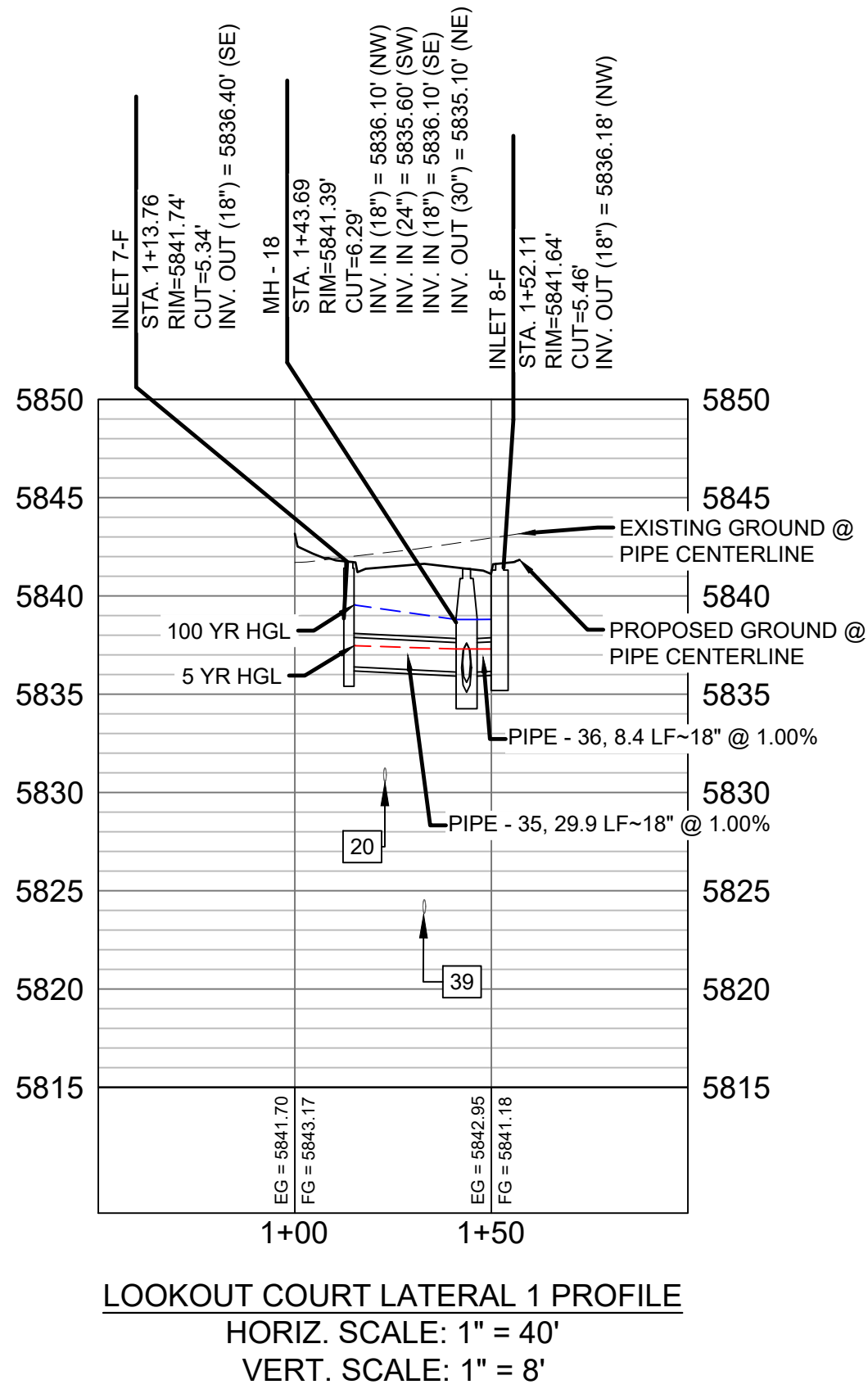
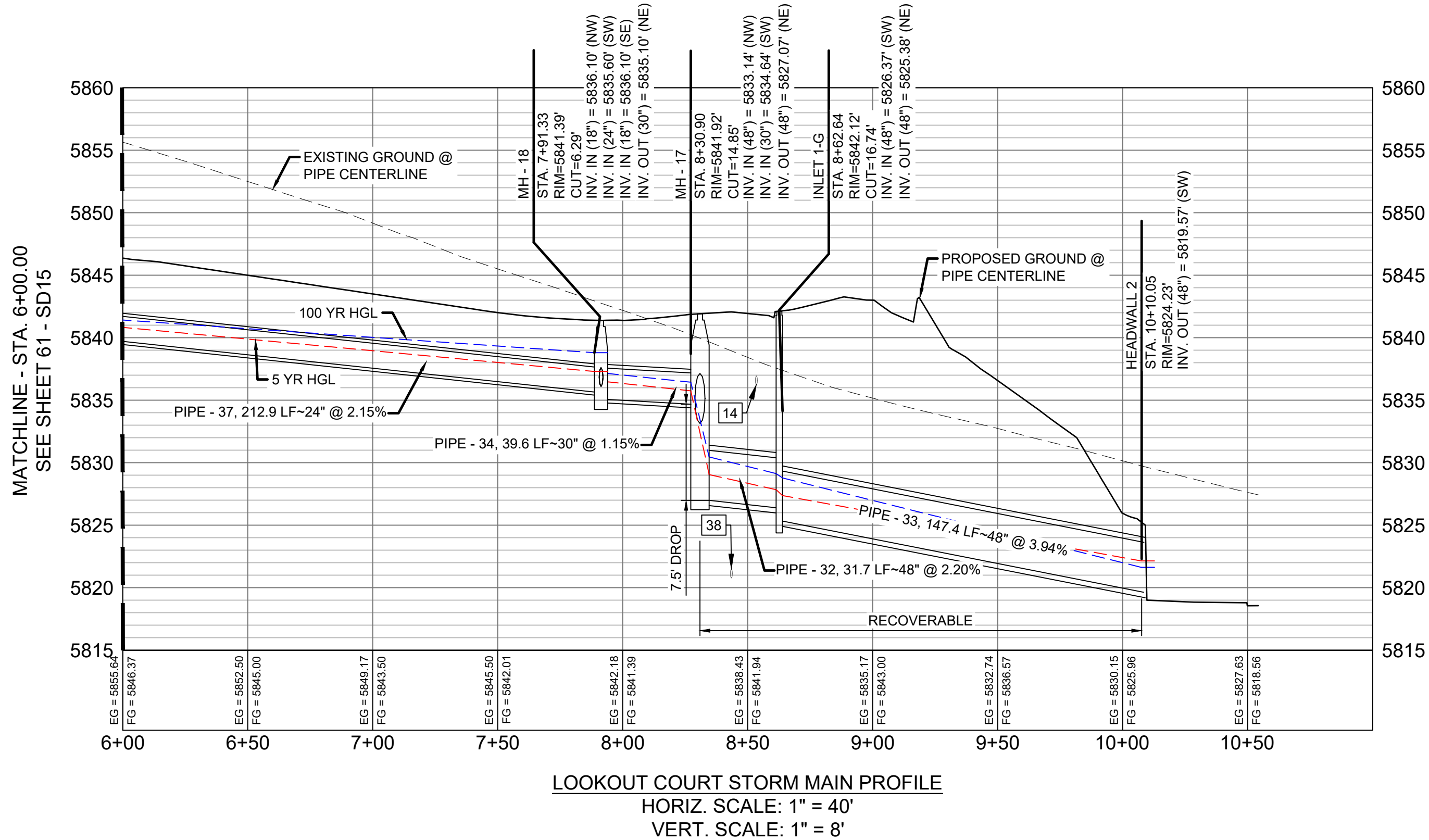
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DRAWN BY:	LCB	HORIZ	N.A.		SD15
CHECKED BY:	NMS	VERT.	N.A.	SHEET	61 OF 73



UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
14	N 6,024.68 E 13,595.07	48" RCP STORM 5830.98	8" PVC WATER 5836.23	5.25'
20	N 6,015.43 E 13,530.21	8" PVC WATER 5831.26	18" RCP STORM 5836.10	4.84'
38	N 6,020.11 E 13,585.98	8" PVC SAN 5821.49	48" RCP STORM 5823.46	1.97'
39	N 6,006.40 E 13,534.70	8" PVC SAN 5824.56	18" RCP STORM 5836.00	11.44'



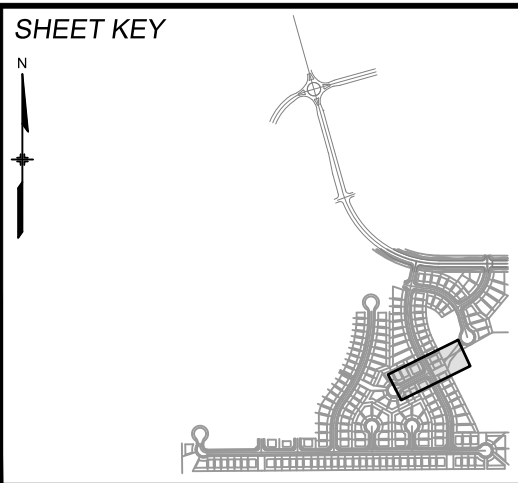
STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
HEADWALL 2	24'-5 1/8" HEADWALL	RIM = 5824.23 PIPE - 33 INV IN (48") = 5819.57	N: 6088.17 E: 13738.21
INLET 1-G	10' ON-GRADE TYPE R INLET (1' DROP)	RIM = 5842.12 PIPE - 32 INV IN (48") = 5826.37 PIPE - 33 INV OUT (48") = 5825.38	N: 6028.42 E: 13603.45
INLET 7-F	10' SUMP TYPE R INLET	RIM = 5841.74 PIPE - 35 INV OUT (18") = 5836.40	N: 6023.63 E: 13526.12
INLET 8-F	5' SUMP TYPE R INLET	RIM = 5841.64 PIPE - 36 INV OUT (18") = 5836.18	N: 5989.35 E: 13543.28
MH - 17	6.33' X 6.33' TYPE I DROP MH	RIM = 5841.92 PIPE - 31 INV IN (48") = 5833.14 PIPE - 34 INV IN (30") = 5834.64 PIPE - 32 INV OUT (48") = 5827.07	N: 6014.58 E: 13574.89
MH - 18	4' TYPE II MH	RIM = 5841.39 PIPE - 35 INV IN (18") = 5836.10 PIPE - 37 INV IN (24") = 5835.60 PIPE - 36 INV IN (18") = 5836.10 PIPE - 34 INV OUT (30") = 5835.10	N: 5996.88 E: 13539.51



PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 34	S63°25'00"W	39.6'	1.15%	30" RCP
PIPE - 33	N66°05'26"E	147.4'	3.94%	48" RCP
PIPE - 32	S64°08'25"W	31.7'	2.20%	48" RCP
PIPE - 37	S63°24'17"W	212.9'	2.15%	24" RCP

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REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\SD15-16.dwg			
CTB FILE: ----			
PLOT DATE: January 23, 2020 11:57:47 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERTSEN 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

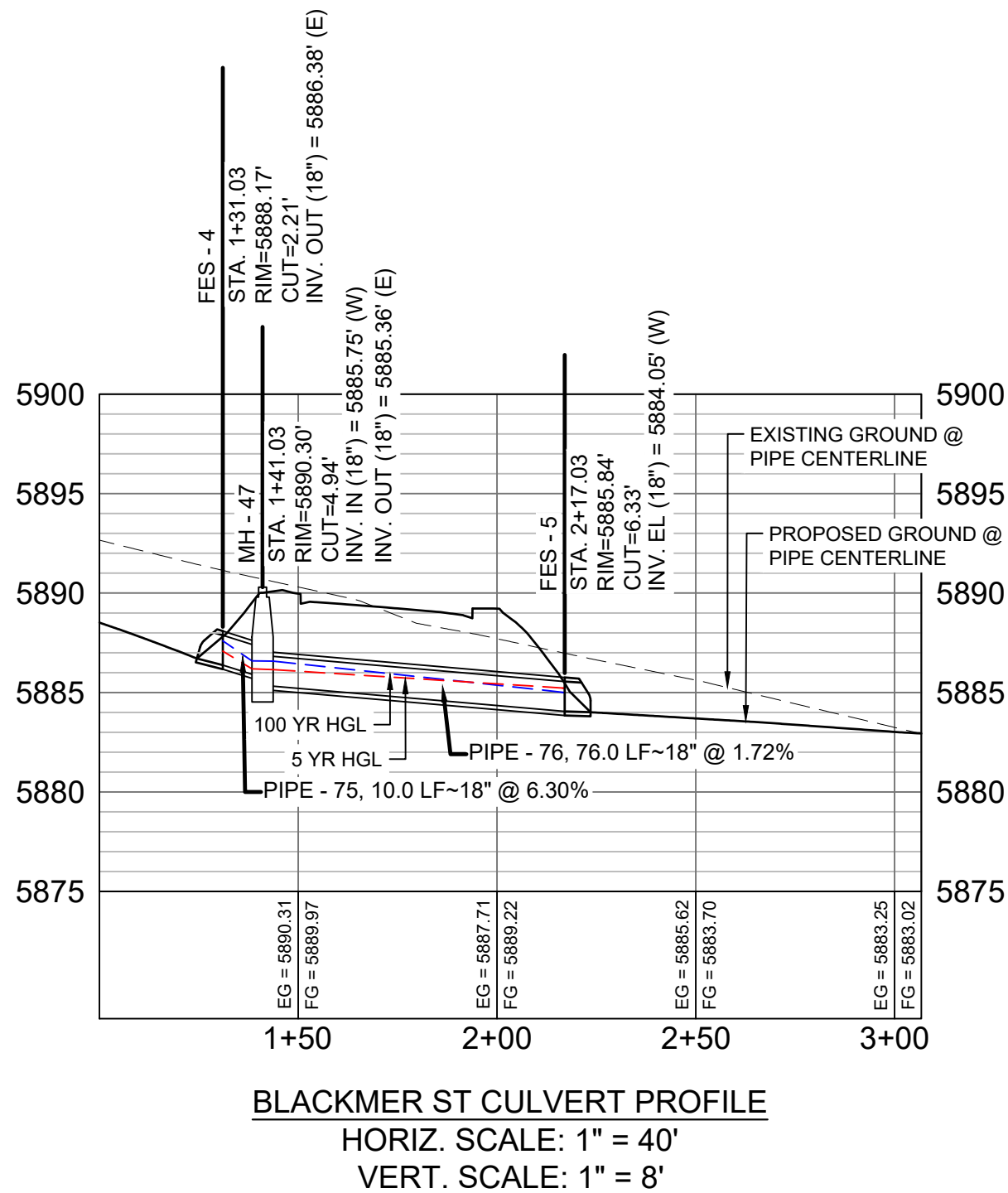
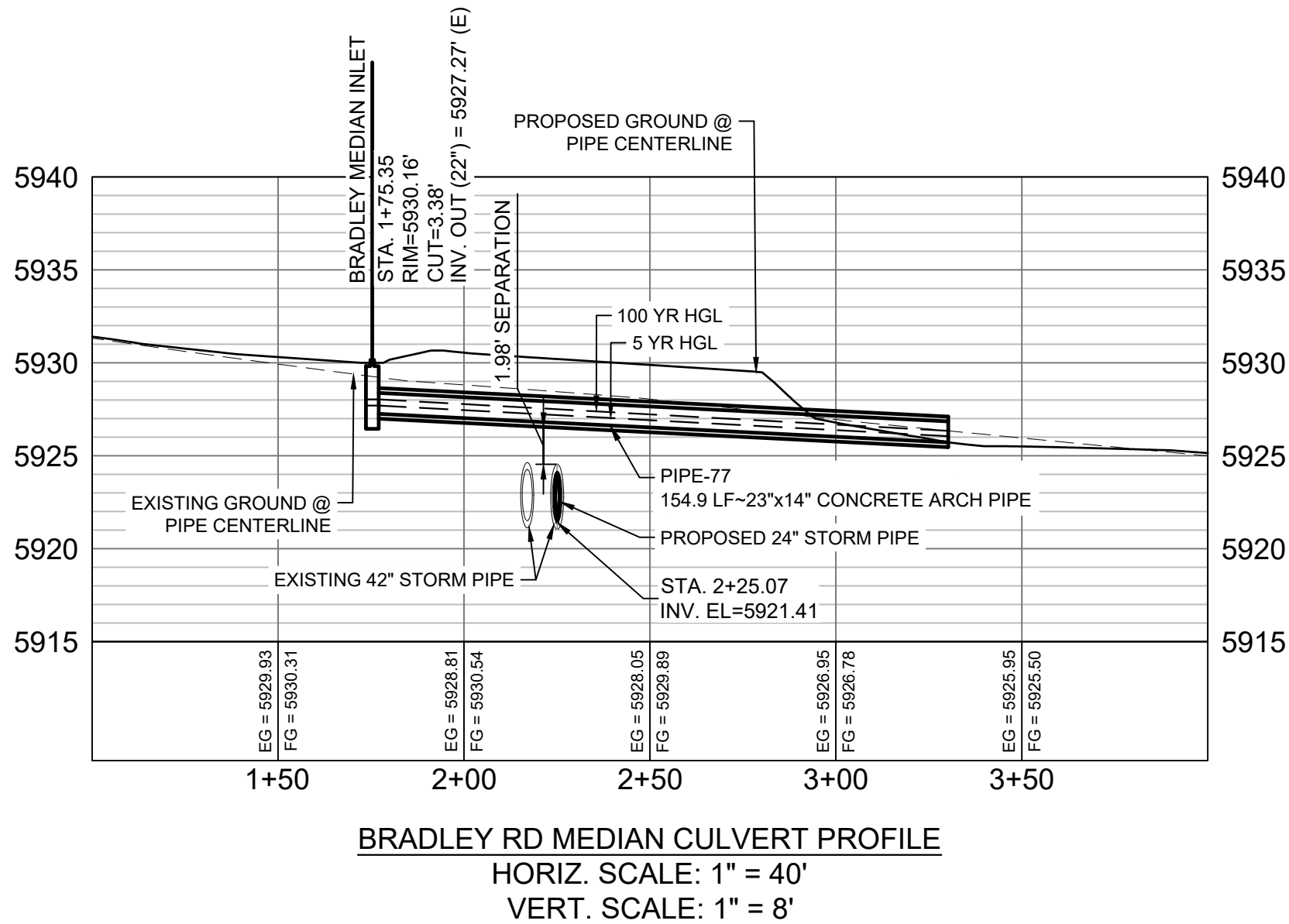
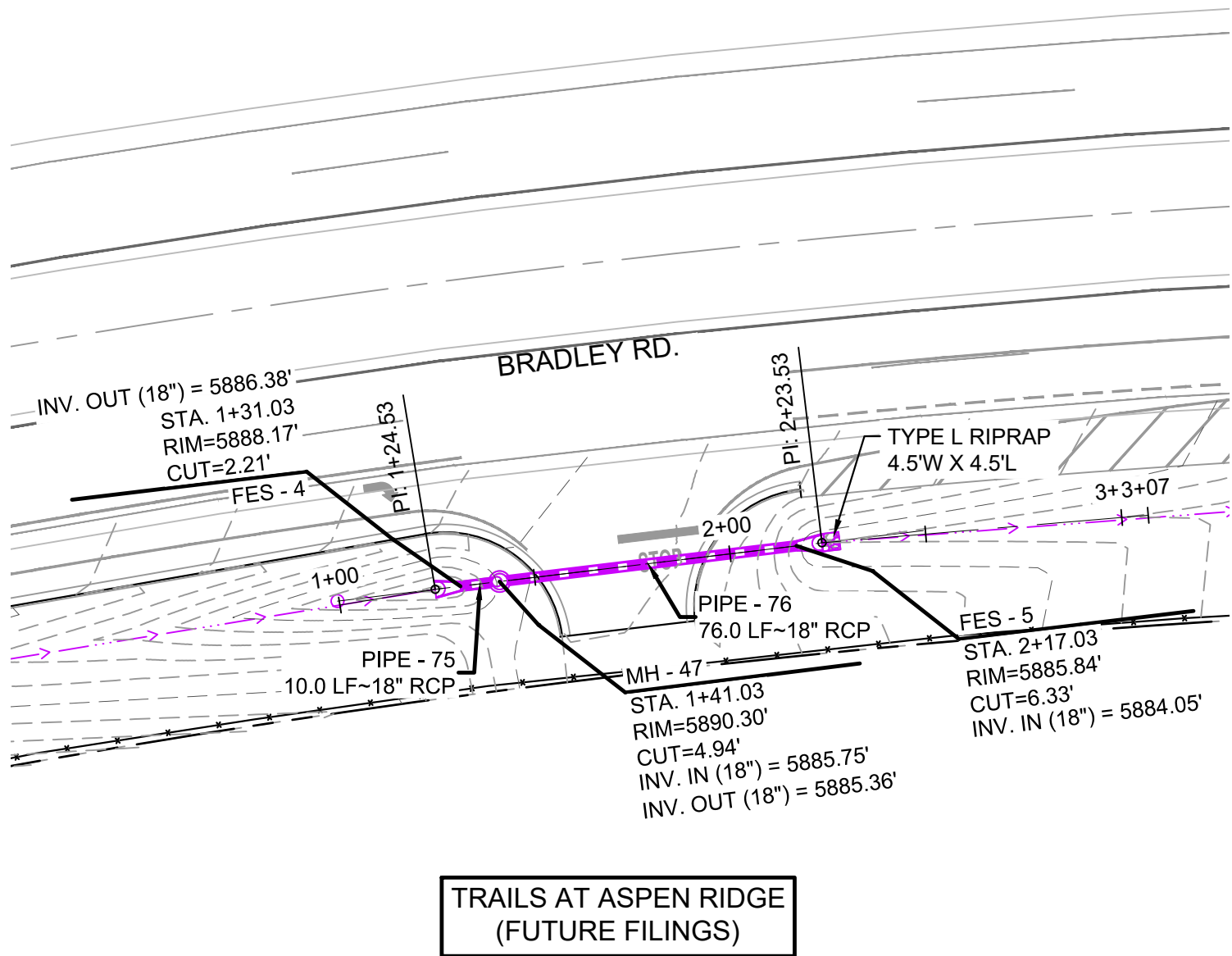
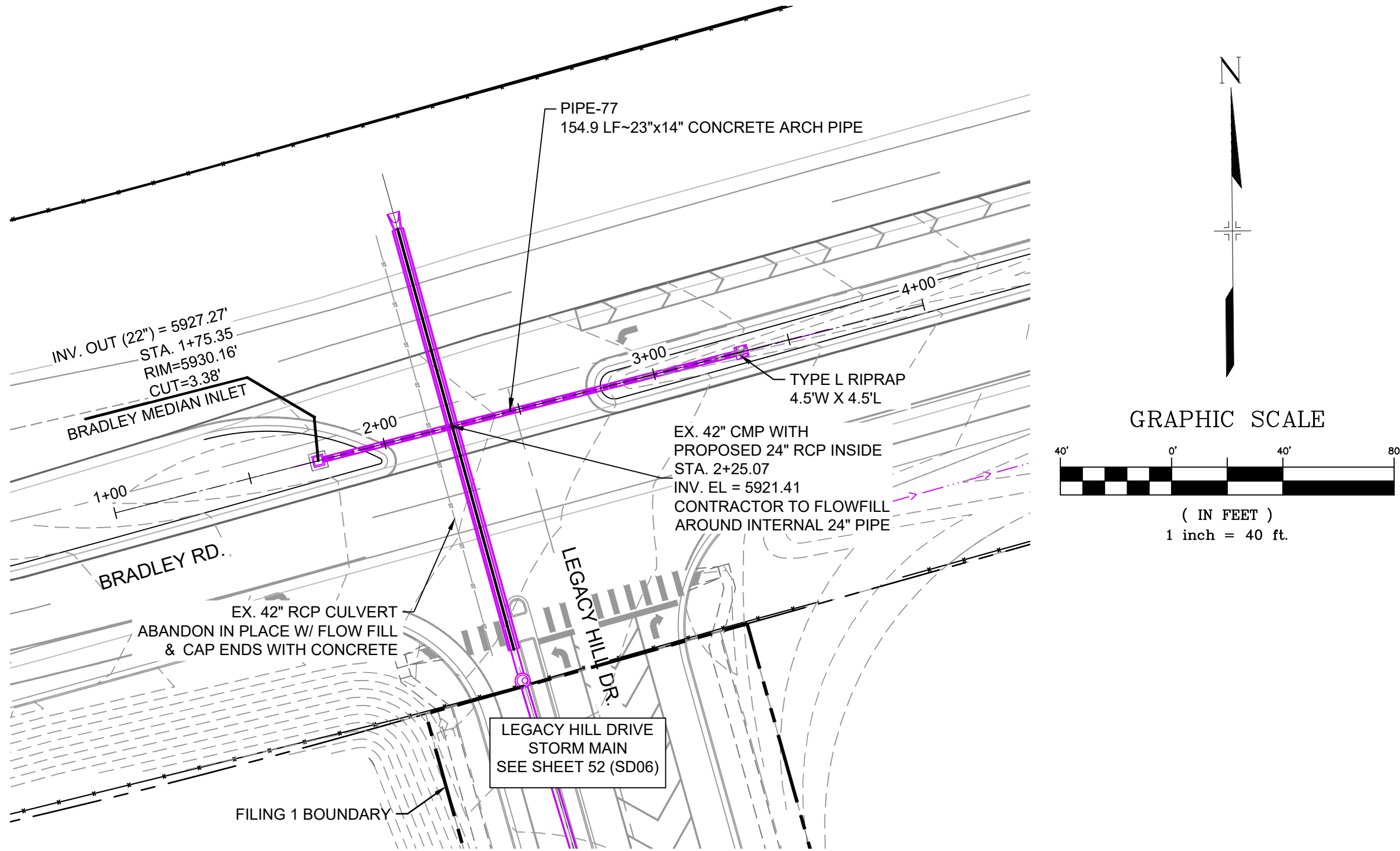
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS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



TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
STORM DRAIN PLAN & PROFILE			
DESIGNED BY:	KMZ	SCALE	DATE ISSUED: SEPTEMBER, 2019
DRAWN BY:	LCB	HORIZ 1" = 40'	DRAWING No. SD16
CHECKED BY:	NMS	VERT. 1" = 8'	62 OF 73

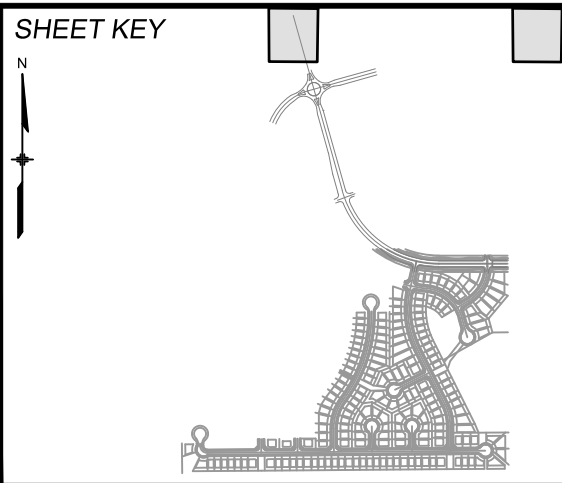


Know what's below.
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REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
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BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH 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

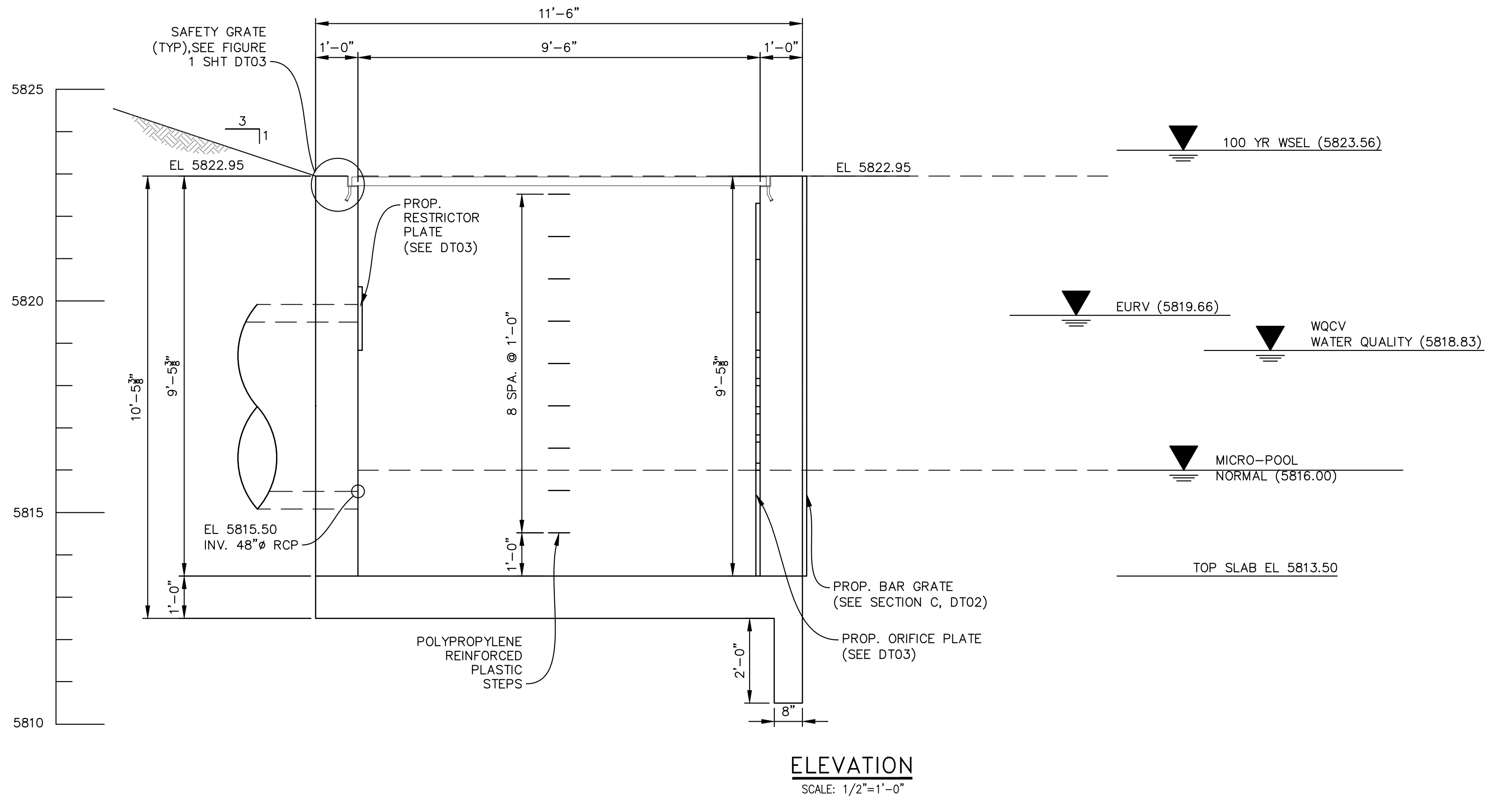
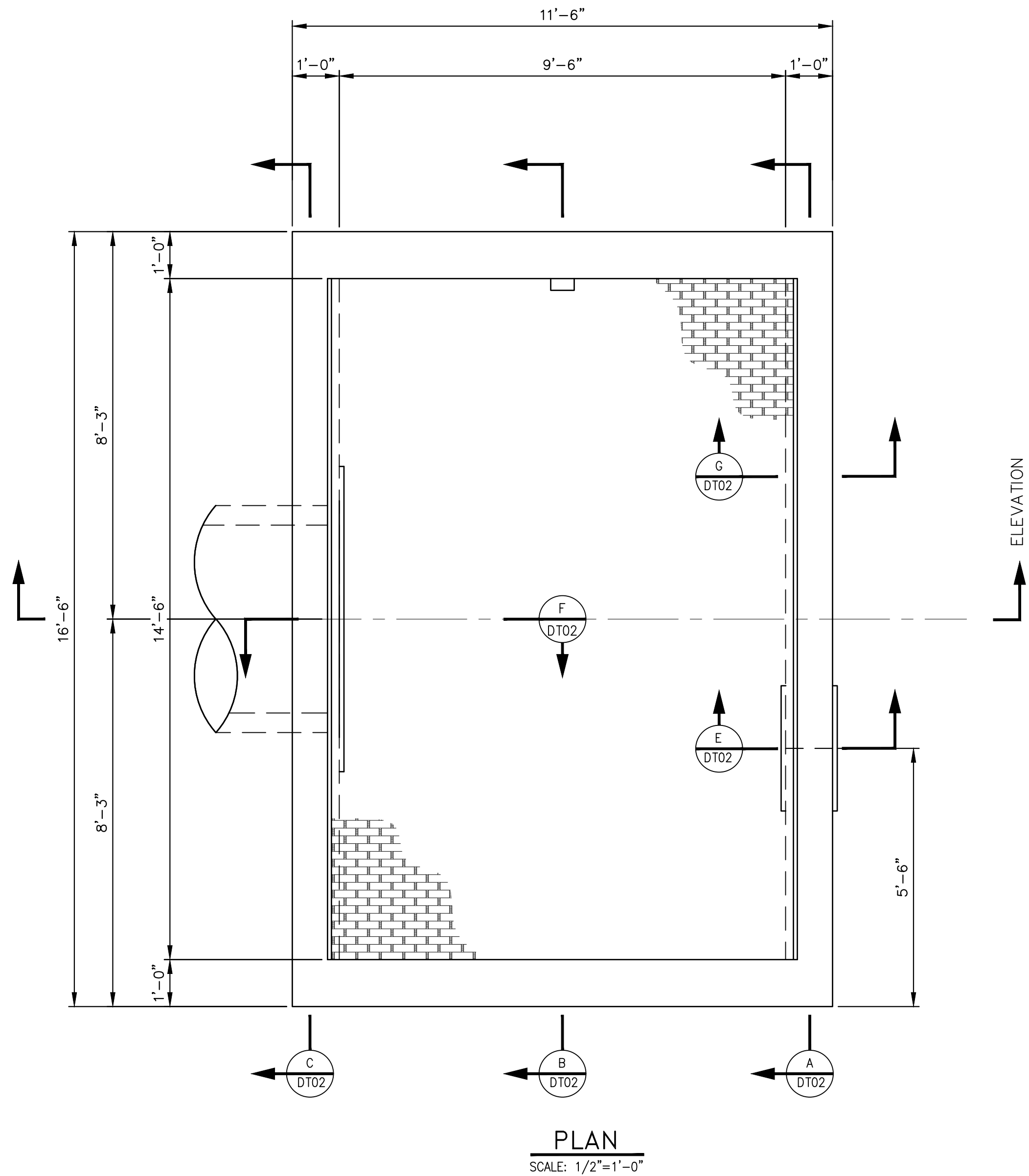
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS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



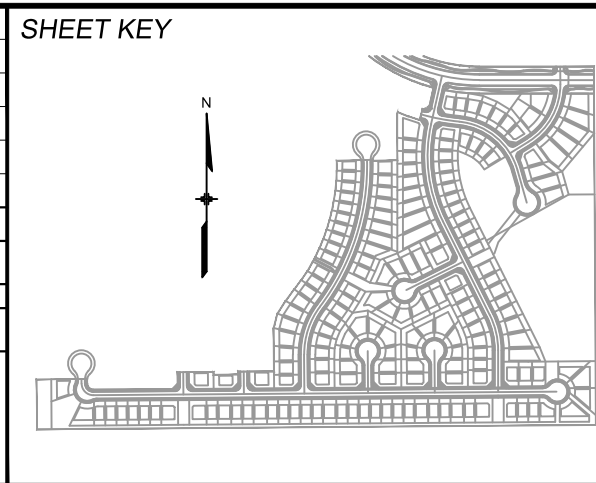
SEAL
COLORADO LICENSED
ROBERT W. SCHWAB
52434
6/6/20
PROFESSIONAL ENGINEER

FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
STORM DRAIN PLAN & PROFILE			
DESIGNED BY:	NMS	SCALE	DATE ISSUED: SEPTEMBER, 2019
DRAWN BY:	LCB	HORIZ 1" = 40'	DRAWING No.
CHECKED BY:	NMS	VERT. 1" = 8'	SD17
		SHEET	63 OF 73

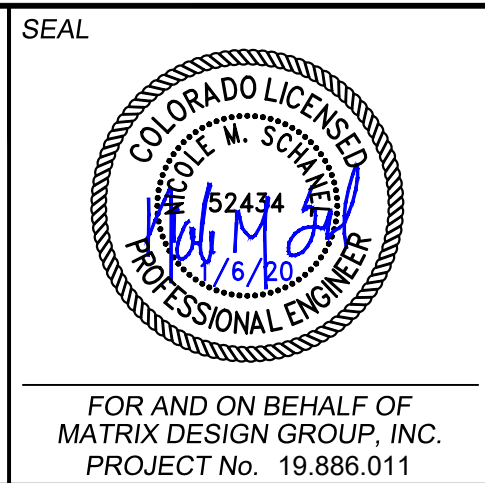


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THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

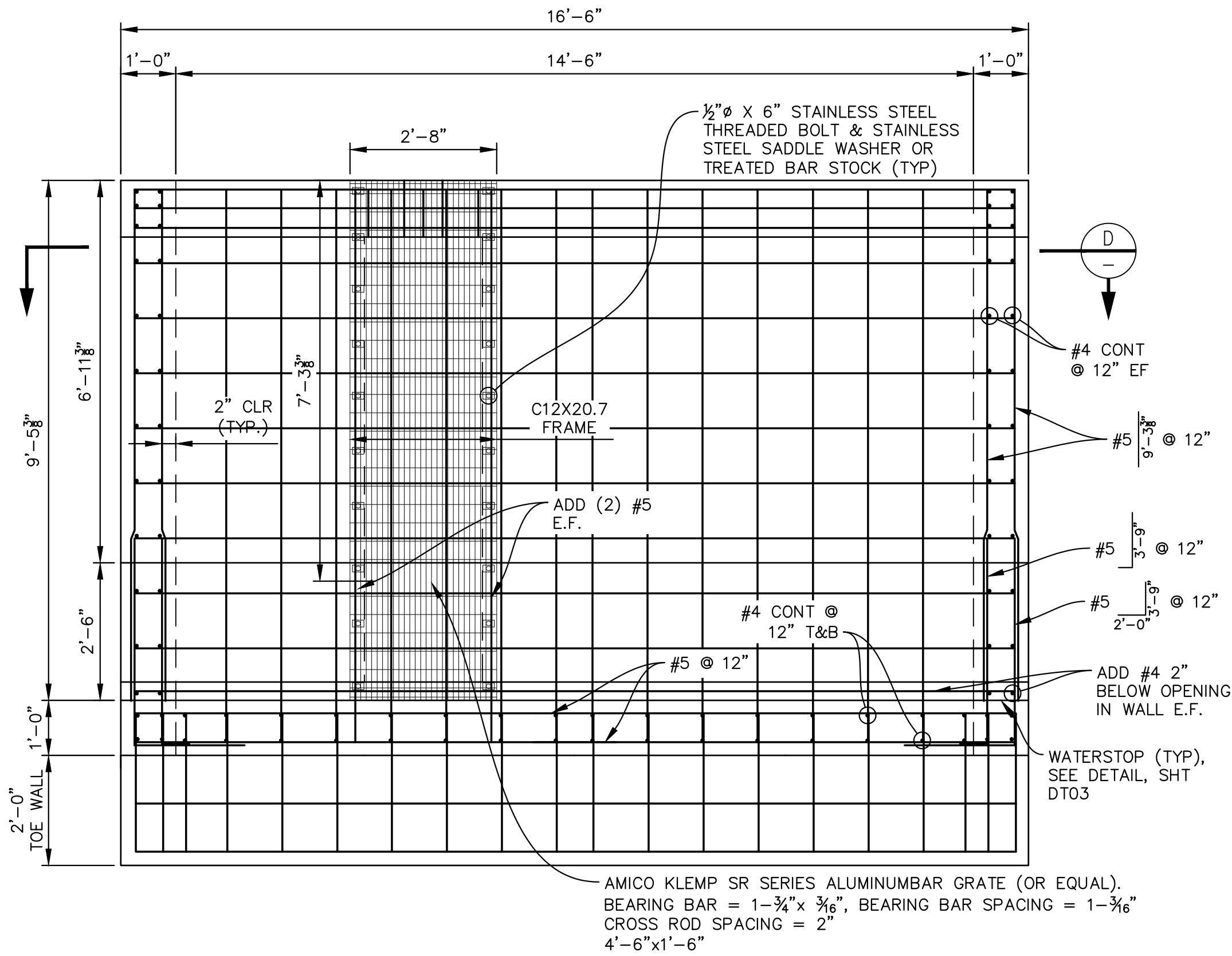


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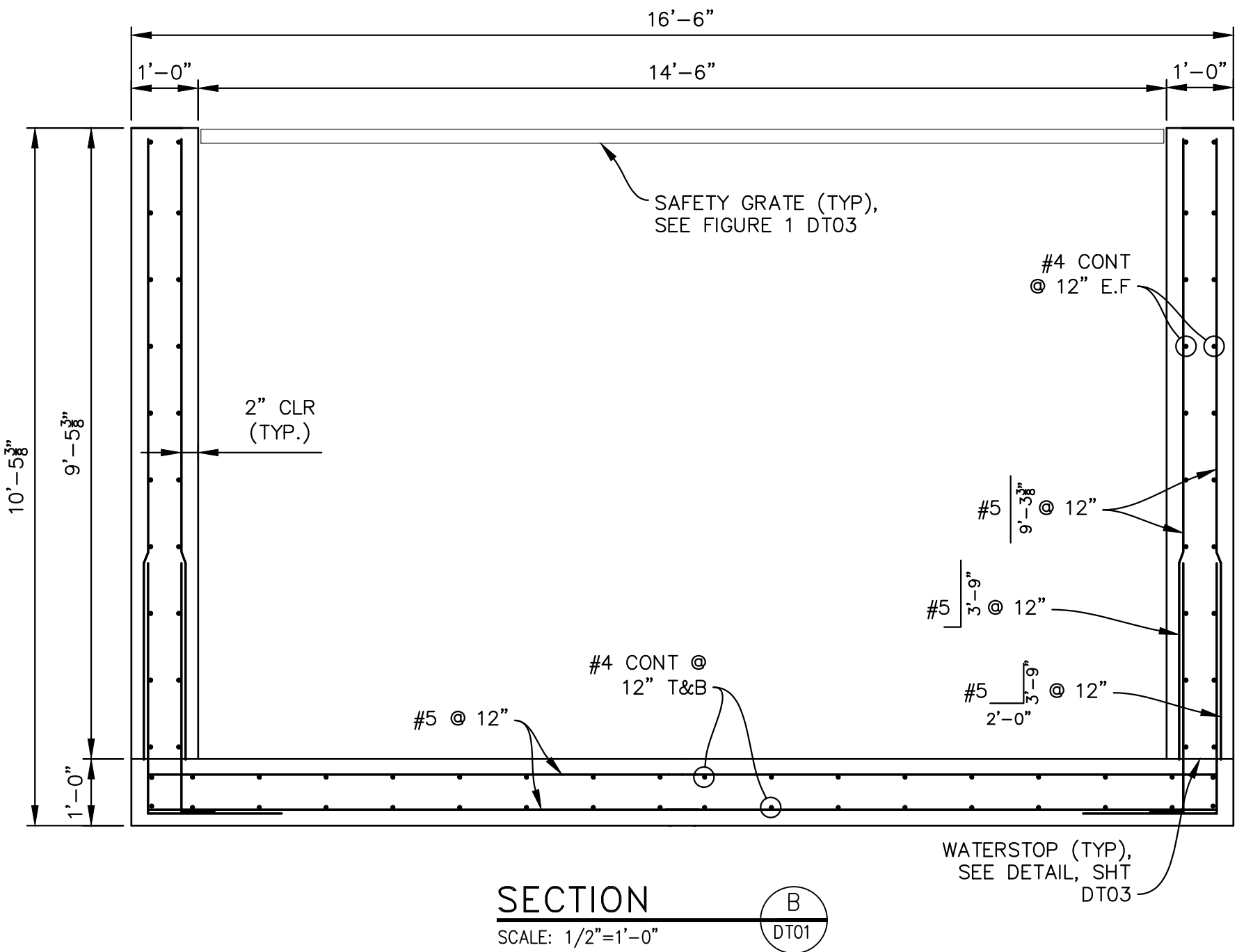
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS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



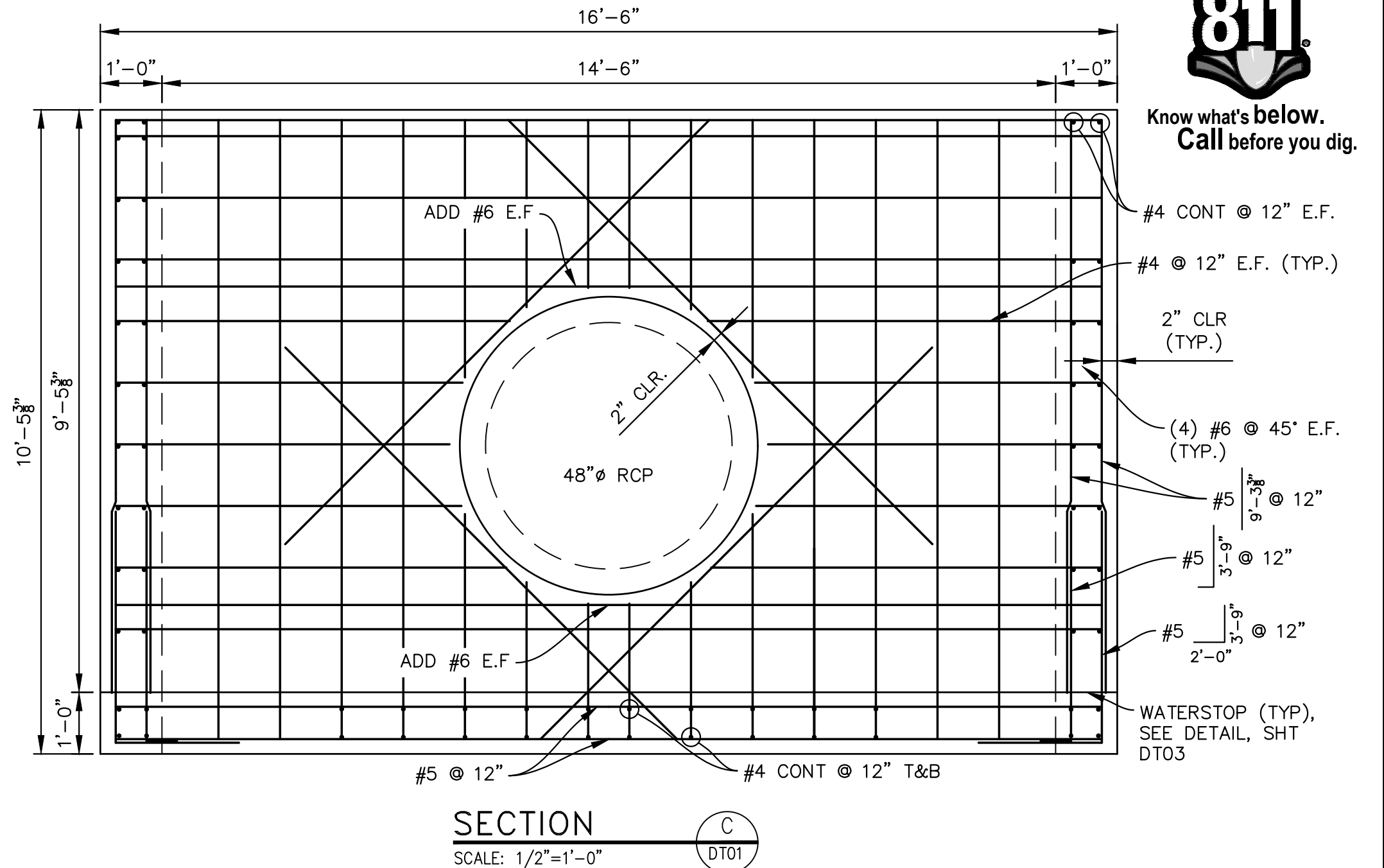
TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
OUTLET STRUCTURE DETAILS - 1			
DESIGNED BY: AAC	SCALE	DATE ISSUED: SEPTEMBER, 2019	DRAWING No.
DRAWN BY: AAC	HORIZ N.A.	SHEET	65 OF 73
CHECKED BY: KSL	VERT. N.A.		DT01



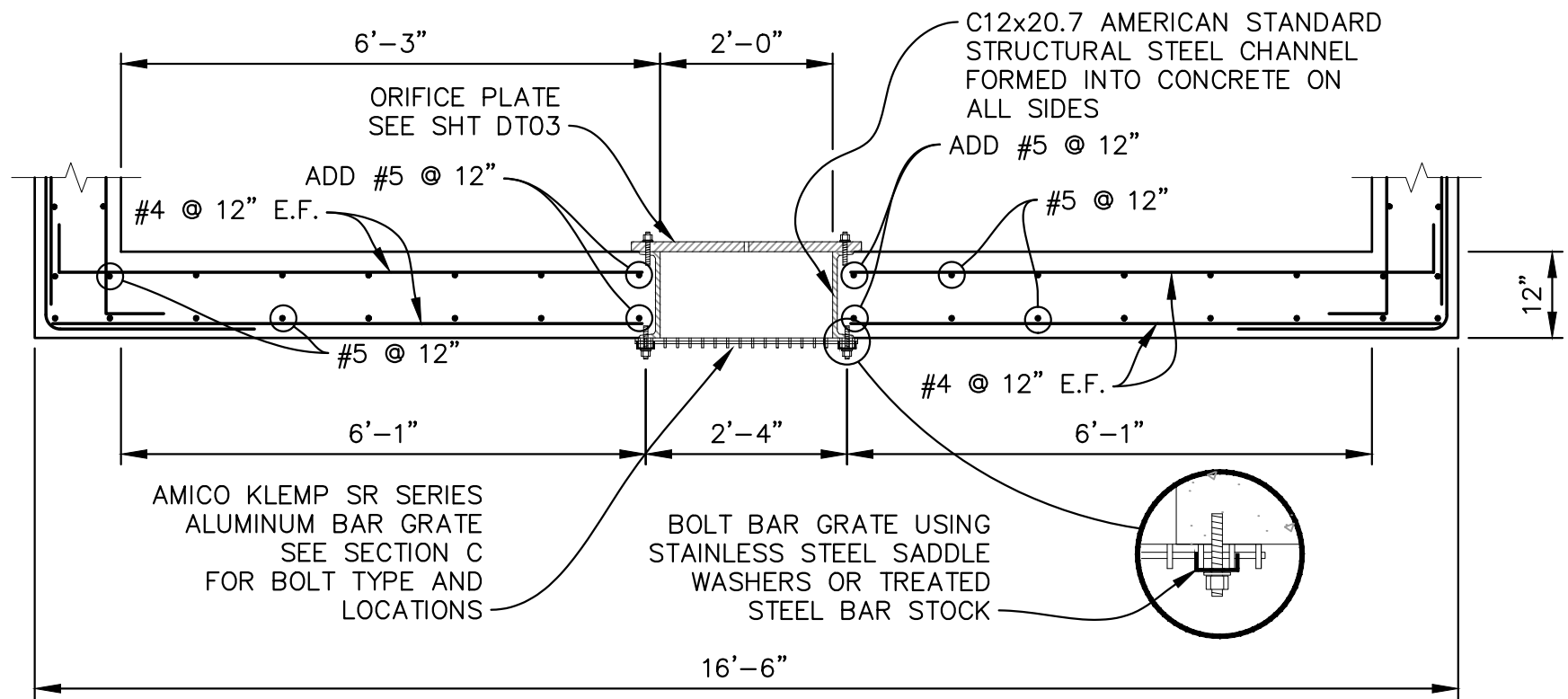
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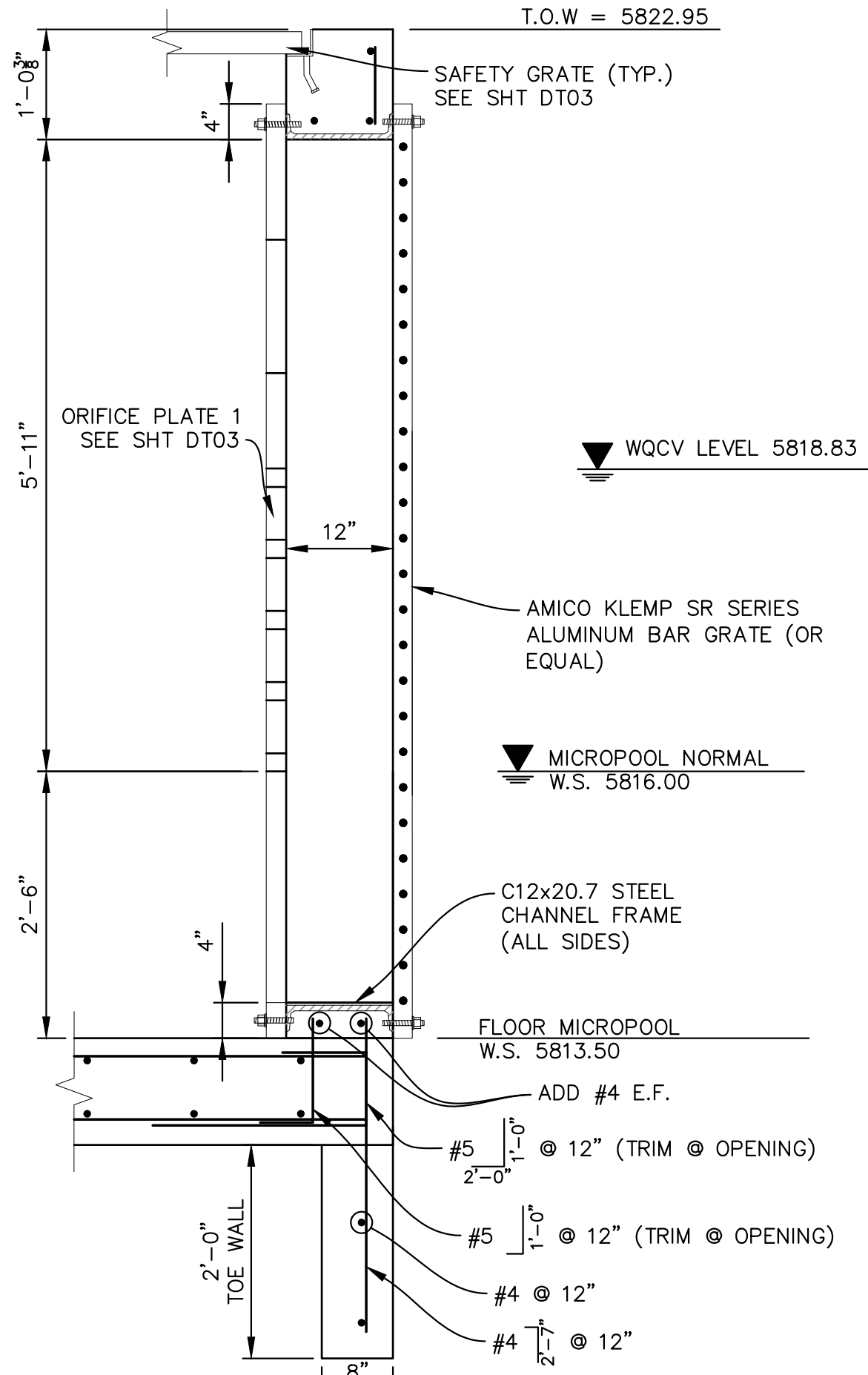
SECTION B
SCALE: 1/2"=1'-0"



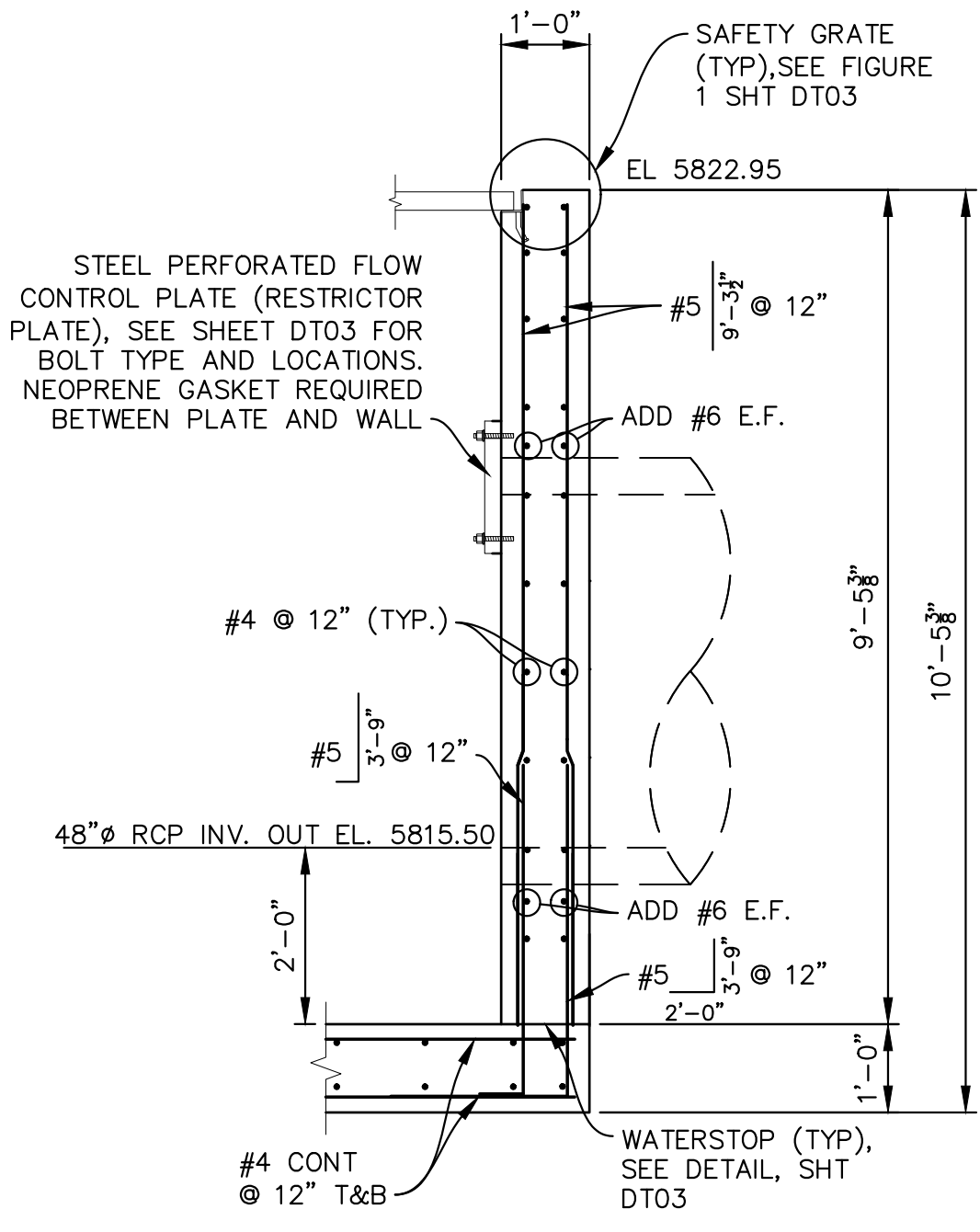
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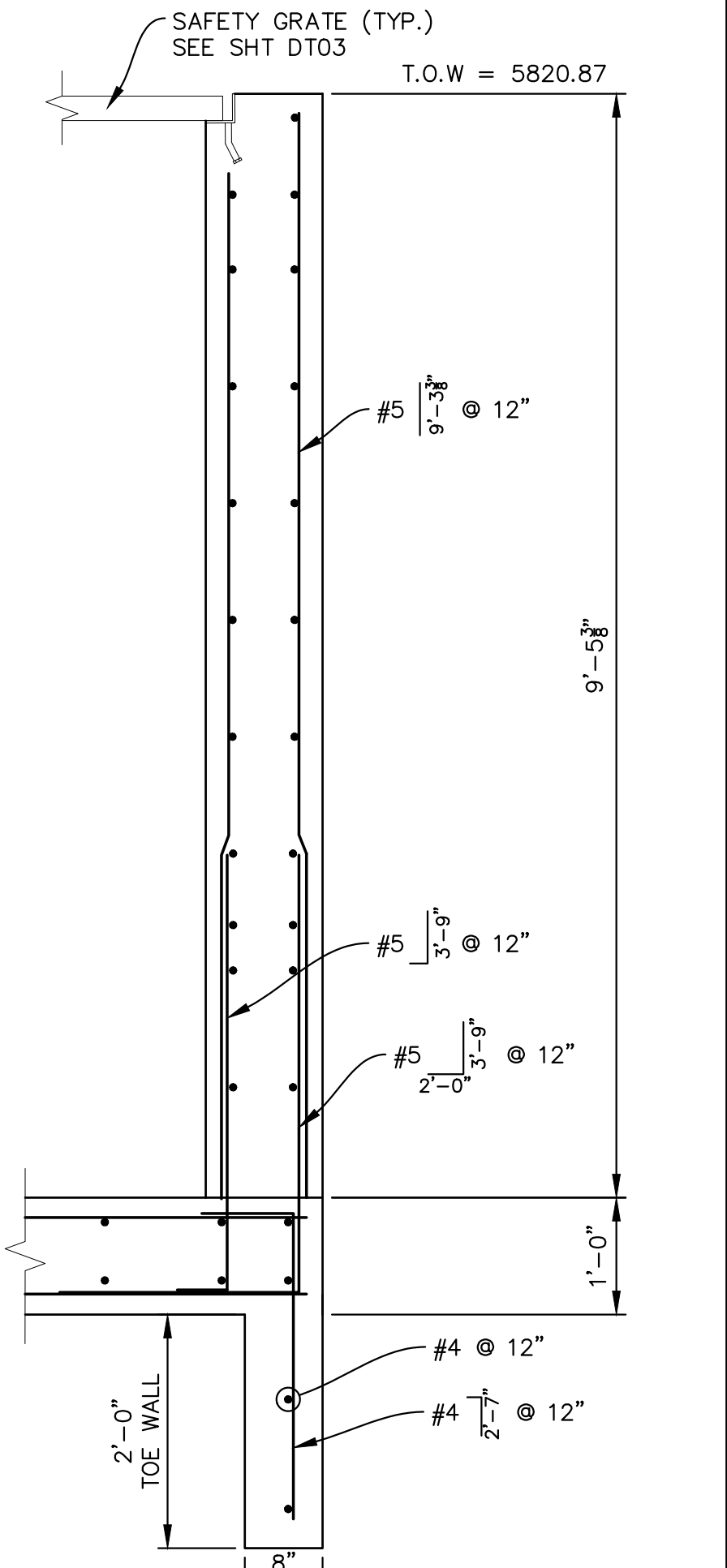
SECTION D
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SECTION E
SCALE: 3/4"=1'-0"

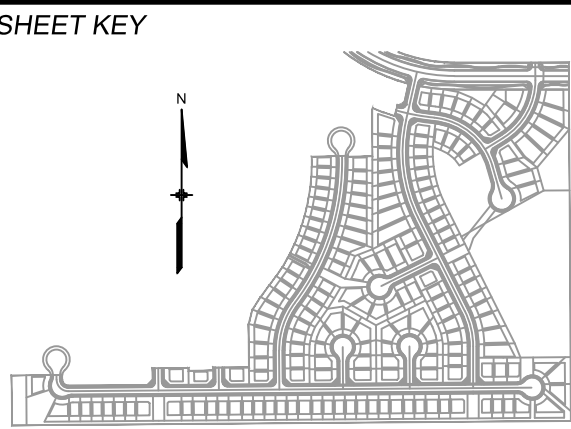


SECTION F
SCALE: 1/2"=1'-0"



SECTION G
SCALE: 3/4"=1'-0"

REFERENCE DRAWINGS			
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COMPUTER FILE MANAGEMENT			
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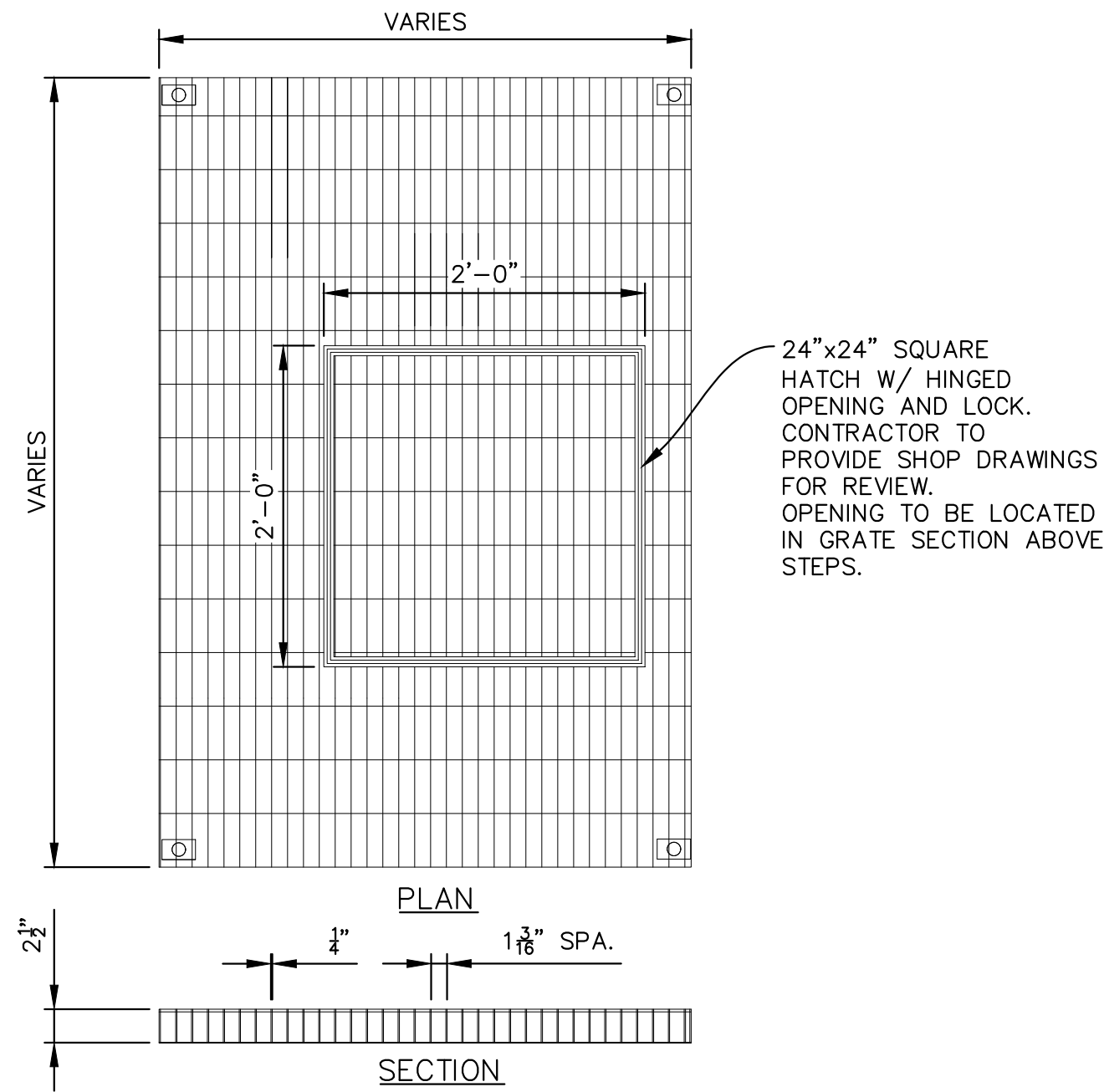


BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.
ELEVATION - 5897.89' U.S. SURVEY FT

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 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)



TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
OUTLET STRUCTURE DETAILS - 2			
DESIGNED BY:	AAC	SCALE	DATE ISSUED: SEPTEMBER, 2019
CHECKED BY:	KSL	HORIZ. N.A.	DRAWING No. DT02
		VERT. N.A.	66 OF 73



GRATE W/ HATCH DETAIL
SCALE: N.T.S.

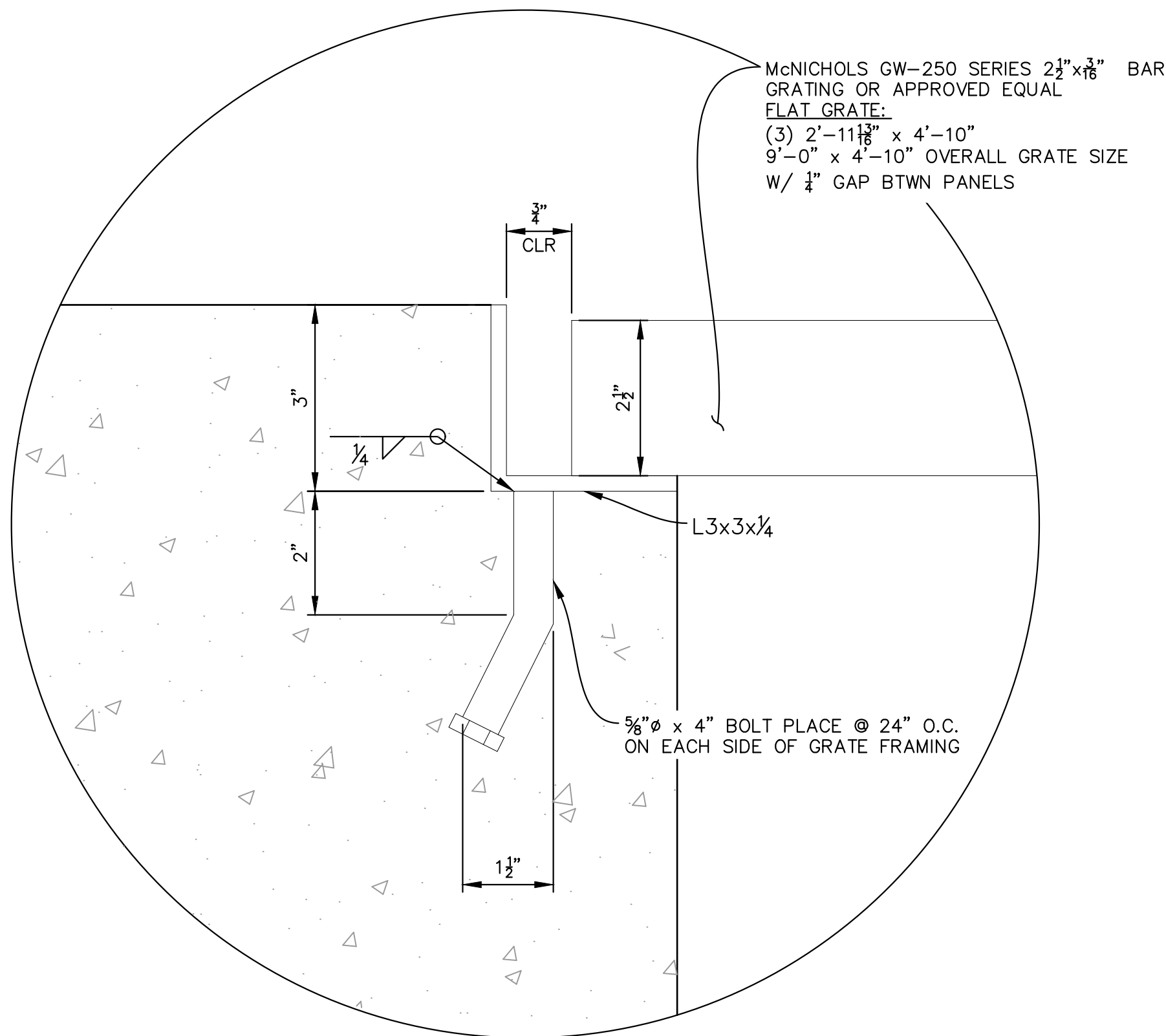
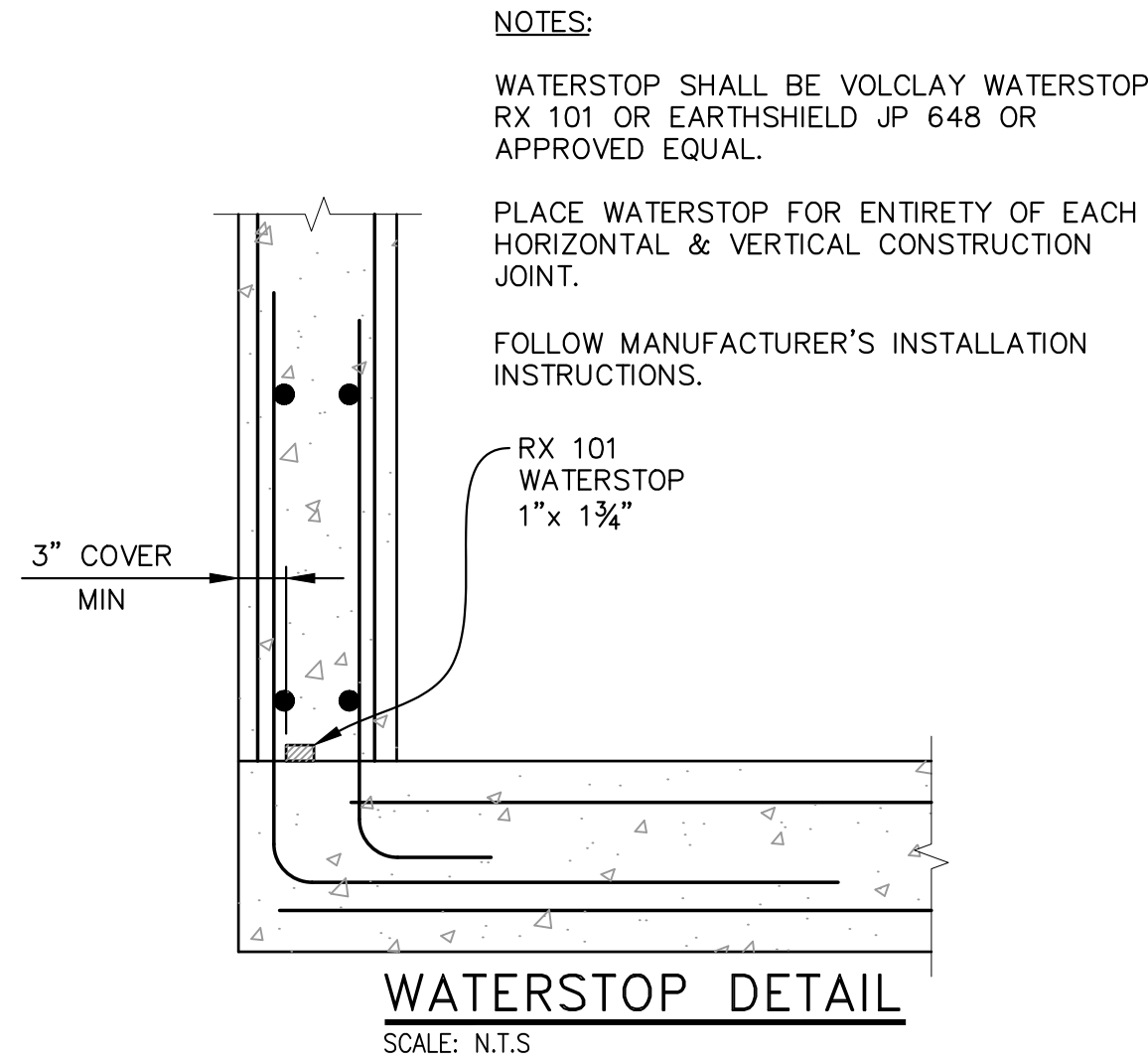
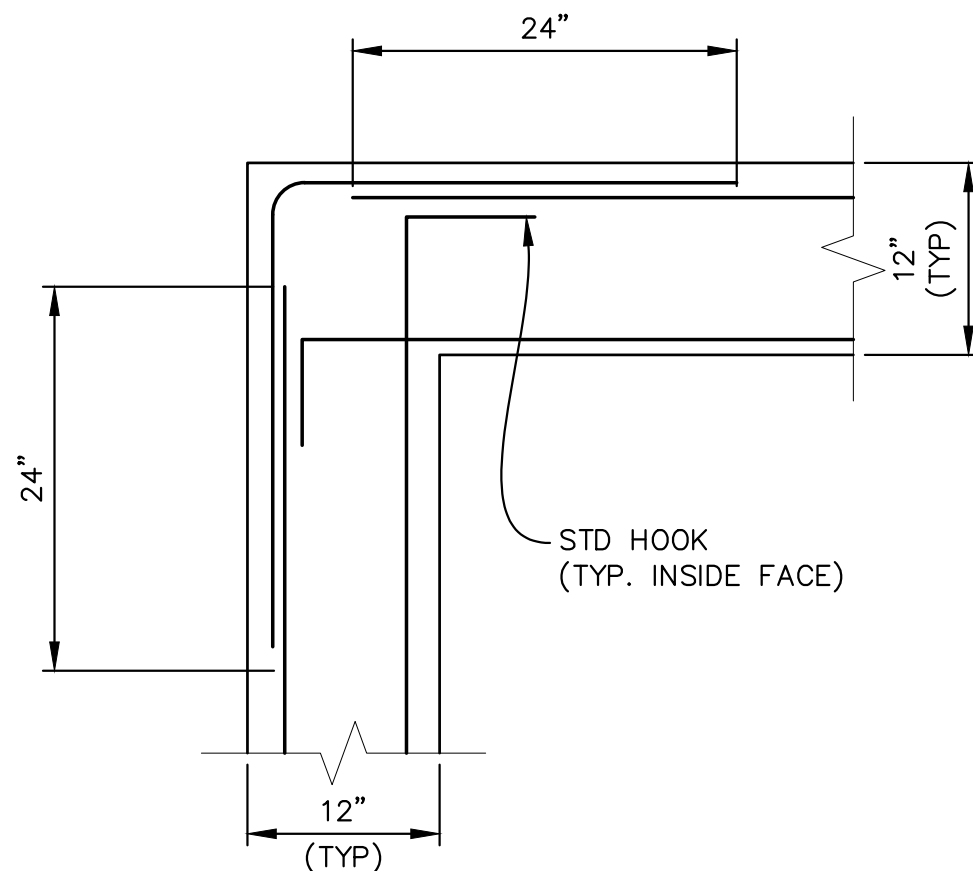


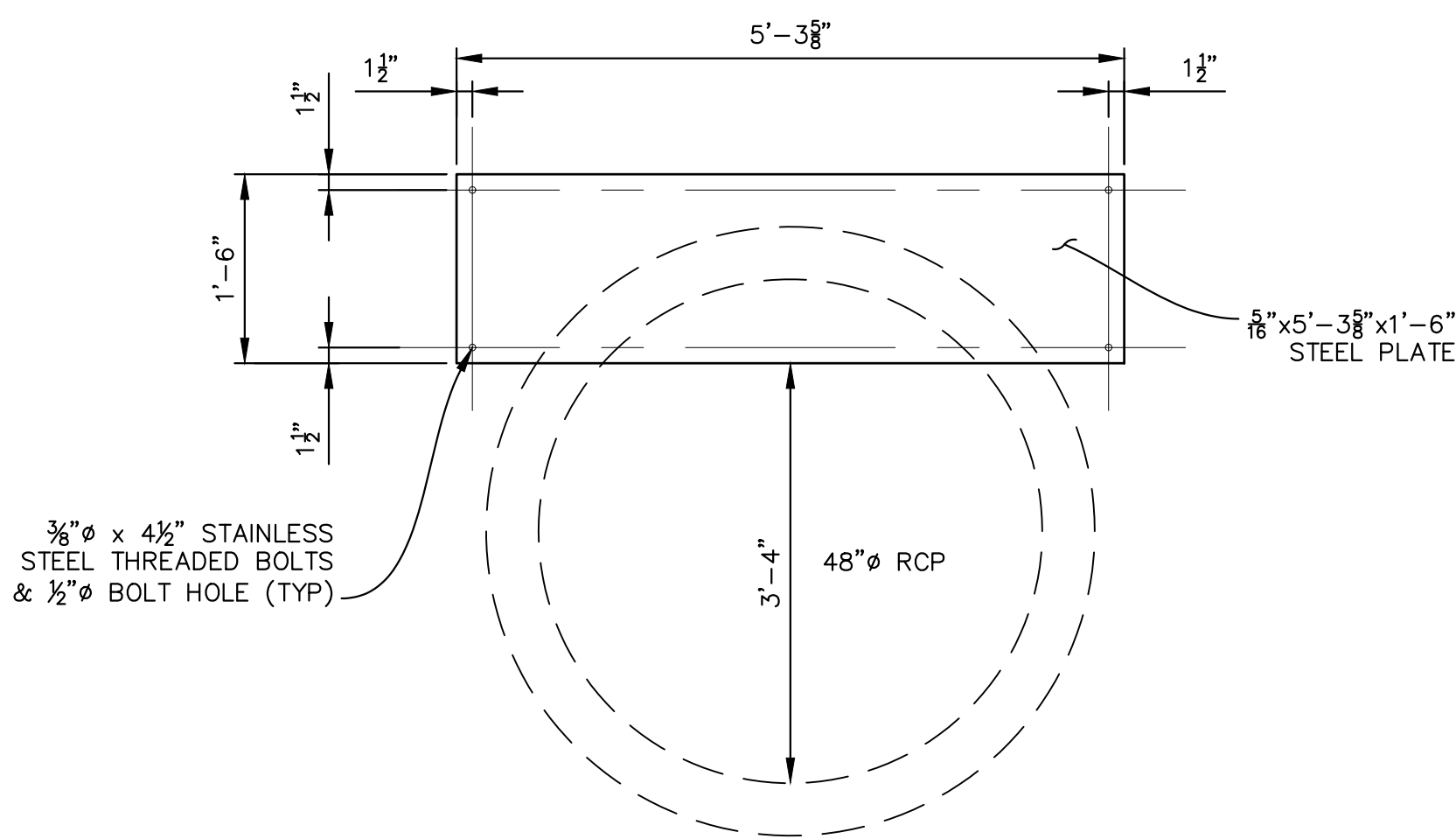
FIGURE 1
SCALE: 6"=1'-0"



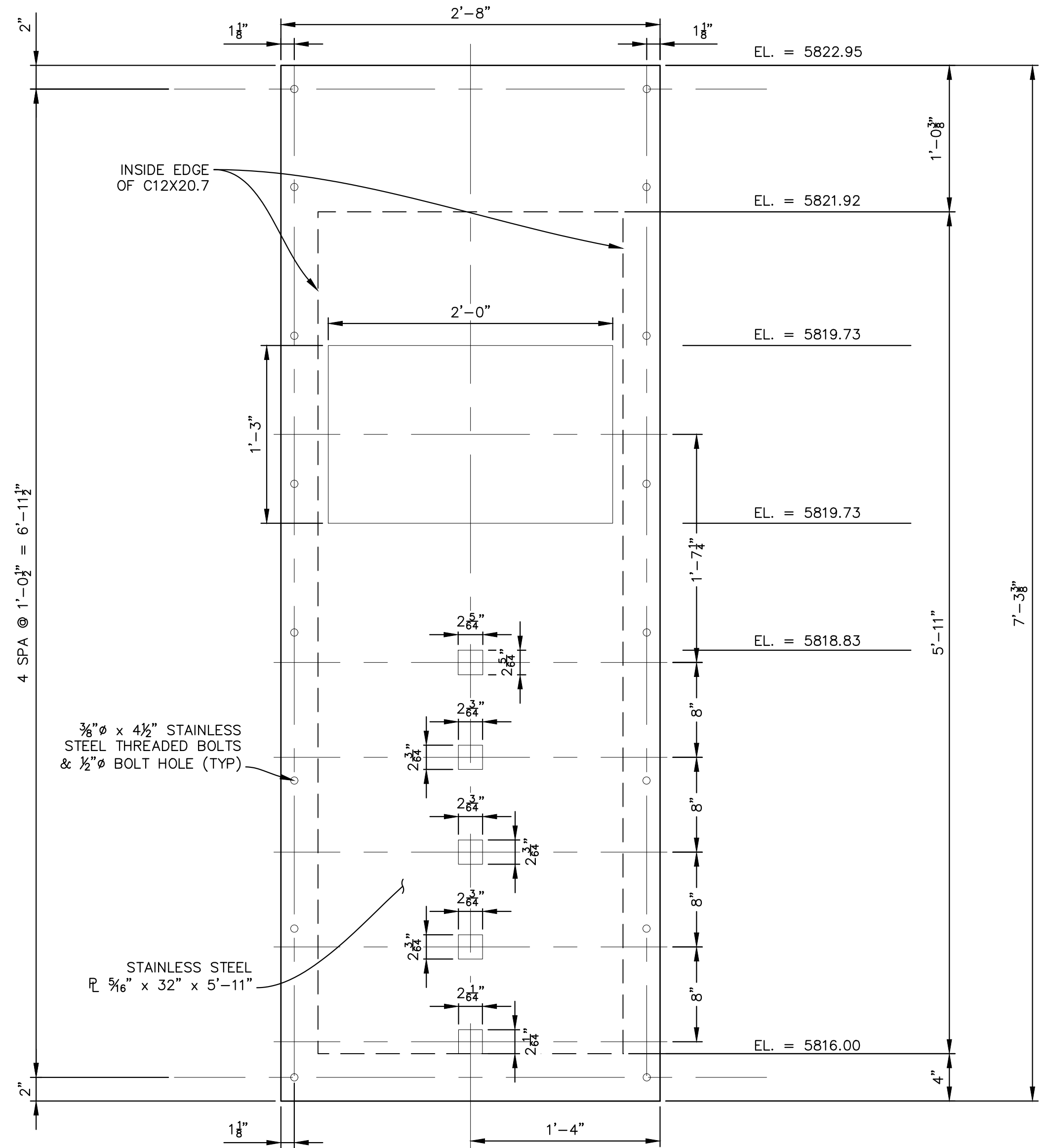
WATERSTOP DETAIL
SCALE: N.T.S.



CORNER DETAIL
SCALE: N.T.S.



RESTRICTOR PLATE DETAIL
SCALE: 3/4" = 1'-0"

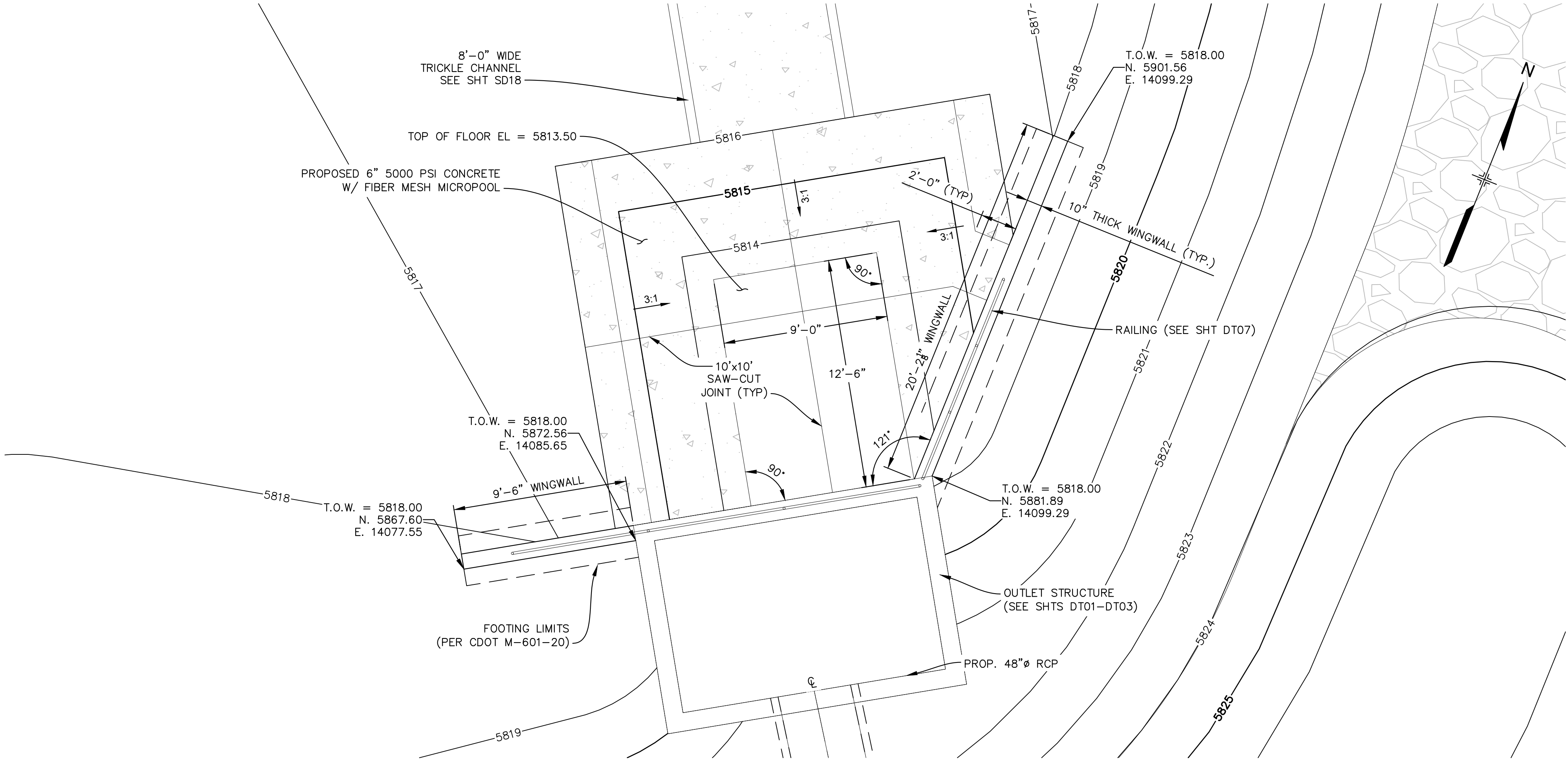


ORIFICE PLATE 1 DETAIL
SCALE: 1-1/2" = 1'-0"

REFERENCE DRAWINGS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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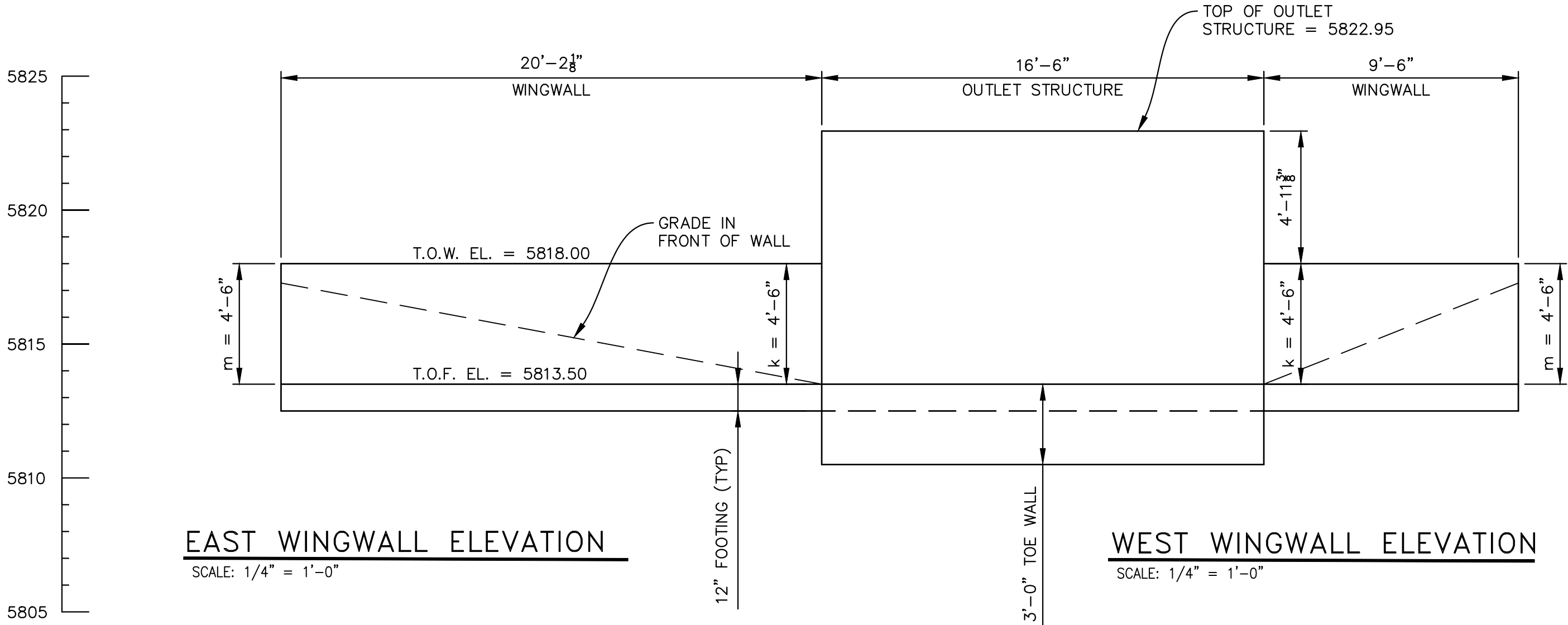


- NOTES:
1. ALL WINGWALLS PER CDOT STANDARD M-601-20.
 2. RAIL SPACING TO NOT EXCEED 8'-0" O.C.
 3. TERMINATE RAILING WHERE FALL HEIGHT IS LESS THAN 30".
 4. LIMIT GAP IN ADJACENT RAILING POSTS TO MAXIMUM OF 4".



OUTLET STRUCTURE PLAN

SCALE: 1/4" = 1'-0"



EAST WINGWALL ELEVATION

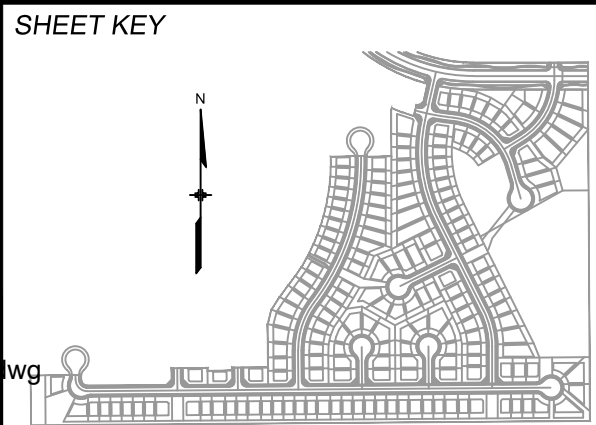
SCALE: 1/4" = 1'-0"

WEST WINGWALL ELEVATION

SCALE: 1/4" = 1'-0"

* RAILING NOT SHOW FOR CLARITY

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No.	DATE	DESCRIPTION	BY
REVISIONS			
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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 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)

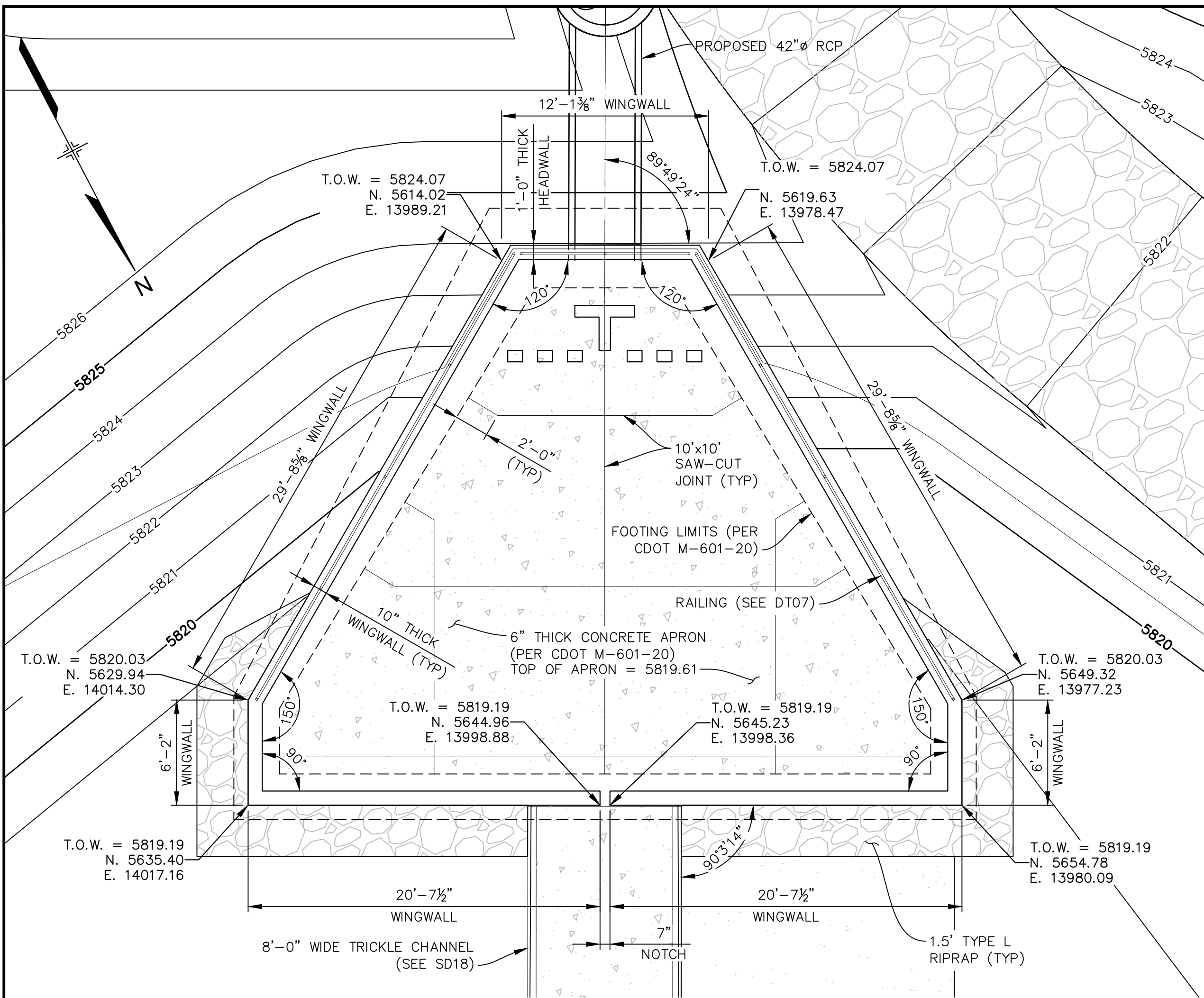
PREPARED BY:

Matrix
DESIGN GROUP

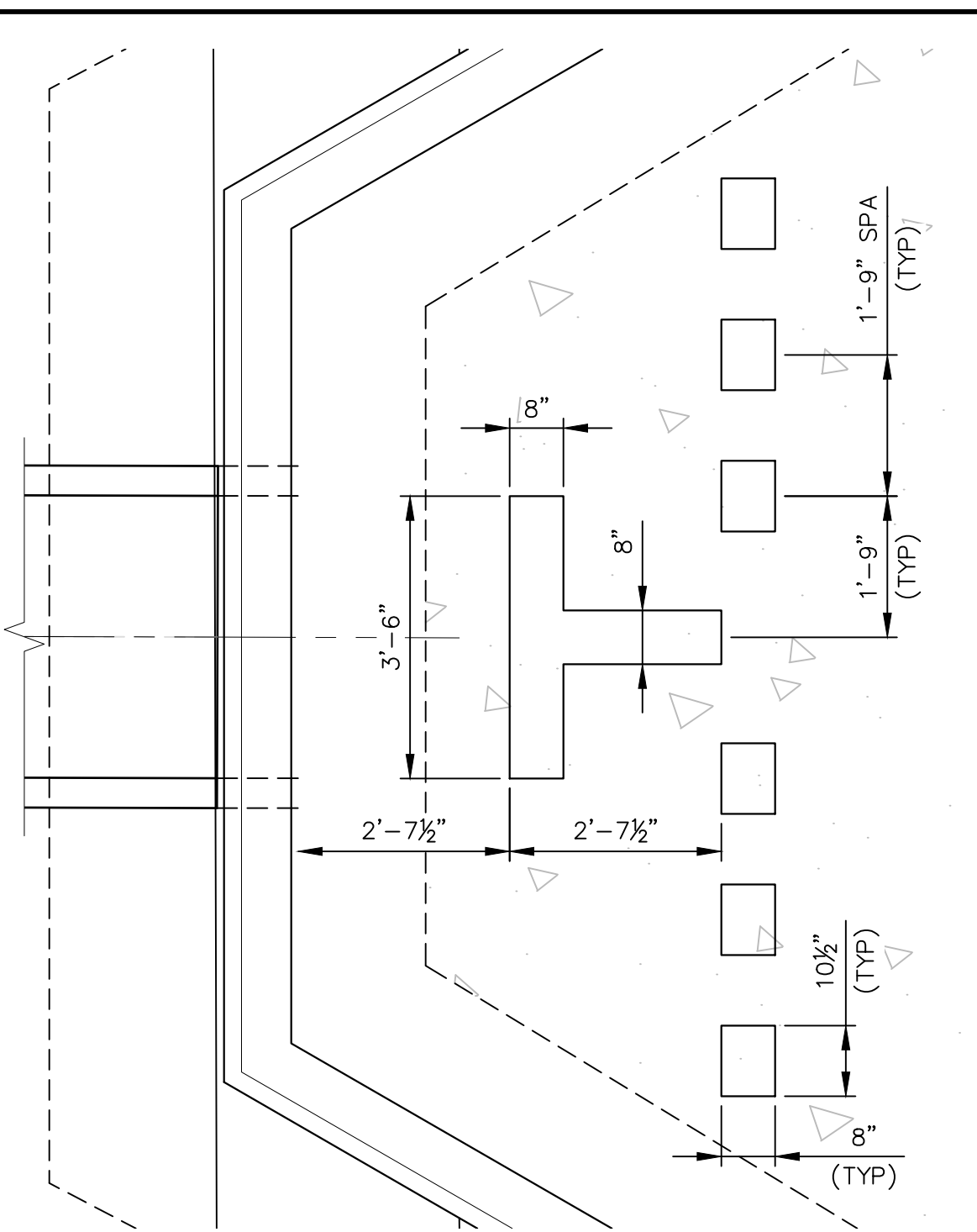
SEAL

FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

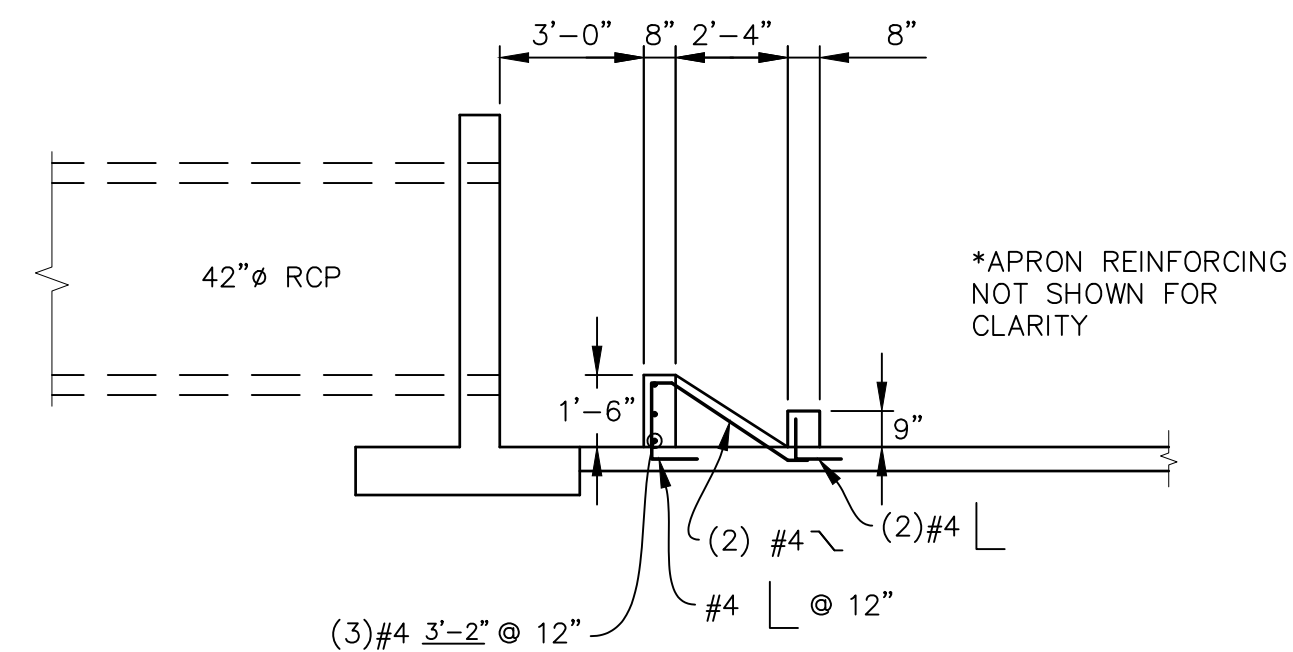
TRAILS AT ASPEN RIDGE			
FILING NO. 1			
ROADWAY & STORM IMPROVEMENT PLANS			
OUTLET STRUCTURE DETAILS - 4			
DESIGNED BY:	AAC	SCALE	DATE ISSUED: SEPTEMBER, 2019
DRAWN BY:	AAC	HORIZ	N.A.
CHECKED BY:	KSL	VERT.	N.A.
SHEET			68 OF 73
DRAWING No.			DT04

Know what's below.
Call before you dig.**SOUTH FOREBAY PLAN**

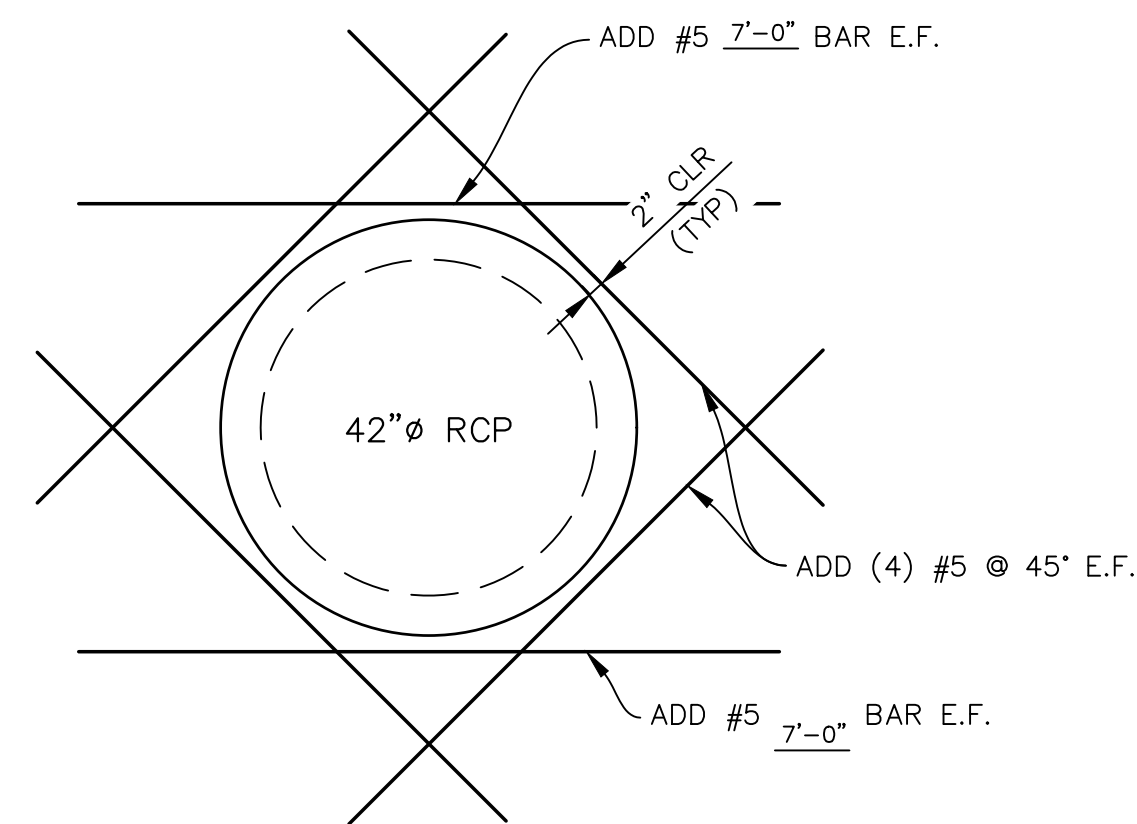
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VOLUME PROVIDED = 1,290 cf
VOLUME REQUIRED = 634 cf**TYPICAL DISSIPATION BLOCK LAYOUT**

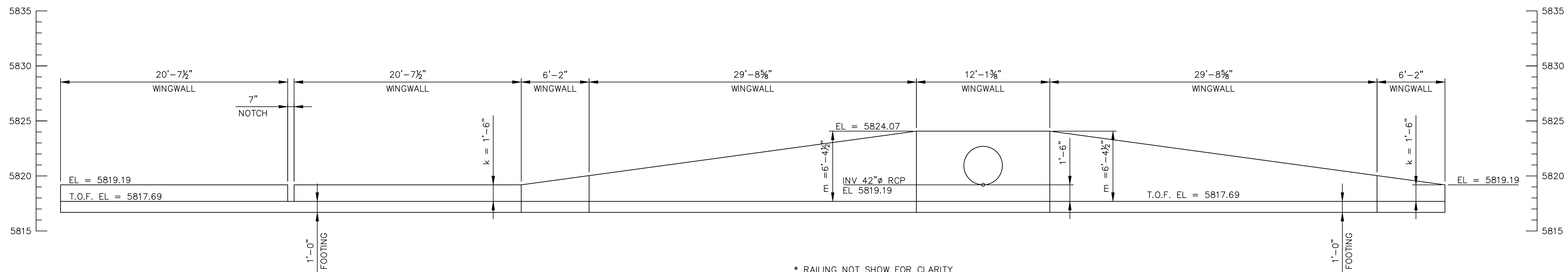
SCALE: 1/2" = 1'-0"

**TYPICAL DISSIPATION BLOCK ELEVATION**

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

**WINGWALL PENETRATION DETAIL**

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

**EAST WINGWALL ELEVATION**

SCALE: 3/16" = 1'-0"

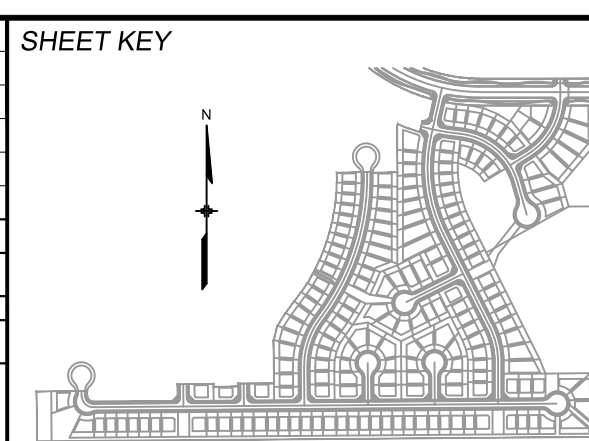
WEST WINGWALL ELEVATION

SCALE: 3/16" = 1'-0"

NOTES:

1. ALL WINGWALLS PER CDOT STANDARD M-601-20.
2. 1'-6" WIDE NOTCH TO EXTEND TO TOP OF APRON.
3. RAIL SPACING TO NOT EXCEED 8'-0" O.C.
4. TERMINATE RAILING WHERE FALL HEIGHT IS LESS THAN 30".
5. LIMIT GAP IN ADJACENT RAILING POSTS TO MAXIMUM OF 4".

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
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CTB FILE: ----			
PLOT DATE: January 23, 2020 12:03:47 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

**BENCHMARK**

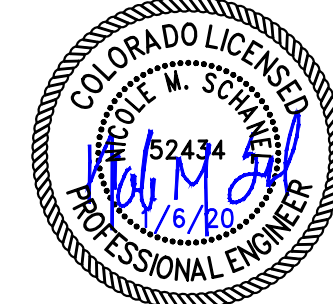
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PREPARED BY:

Matrix
DESIGN GROUP

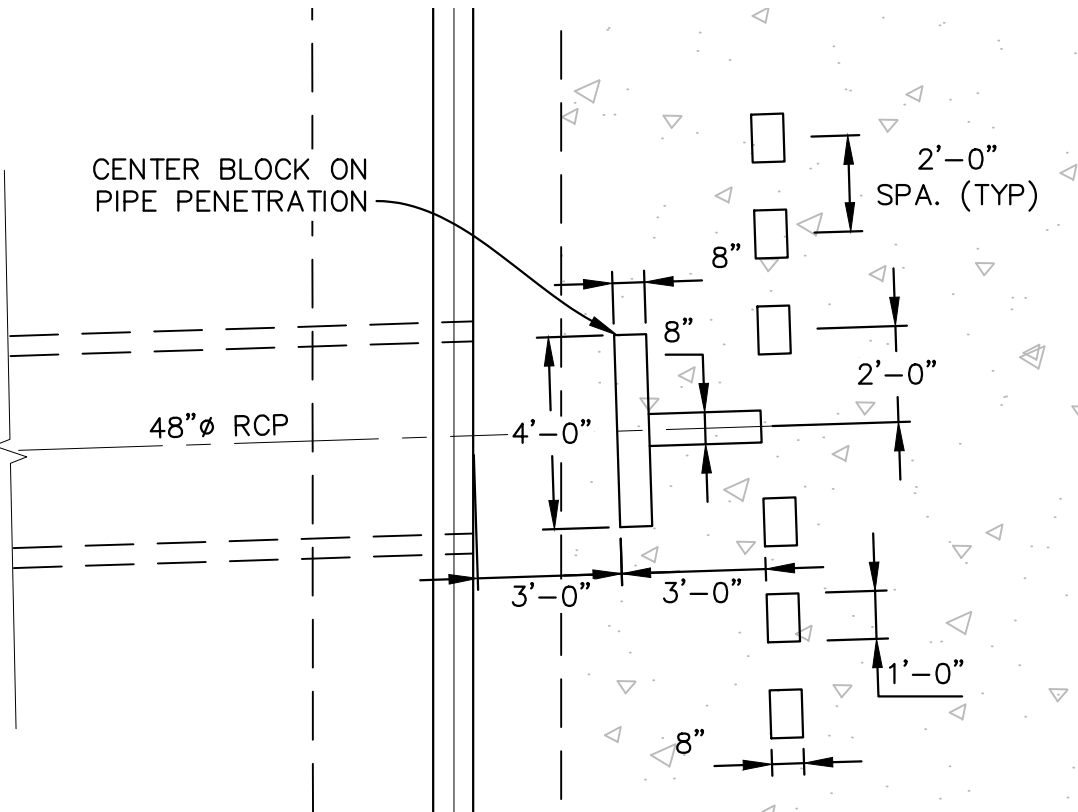
SEAL

FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE				
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS				
SOUTH FOREBAY				
DESIGNED BY:	AAC	SCALE	DATE ISSUED:	SEPTEMBER, 2019
DRAWN BY:	AAC	HORIZ. 3/16" = 1'	SHEET	69 OF 73
CHECKED BY:	KSL	VERT. N.A.		
DRAWING No.				DT05

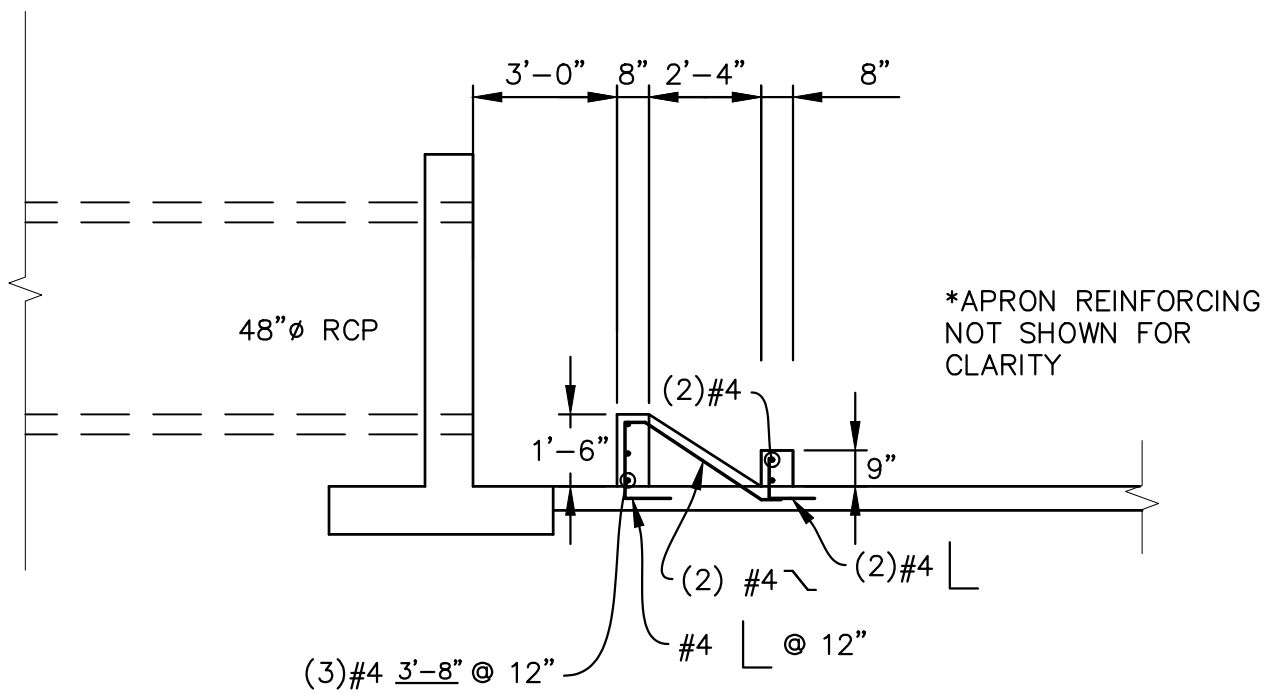


- NOTES:
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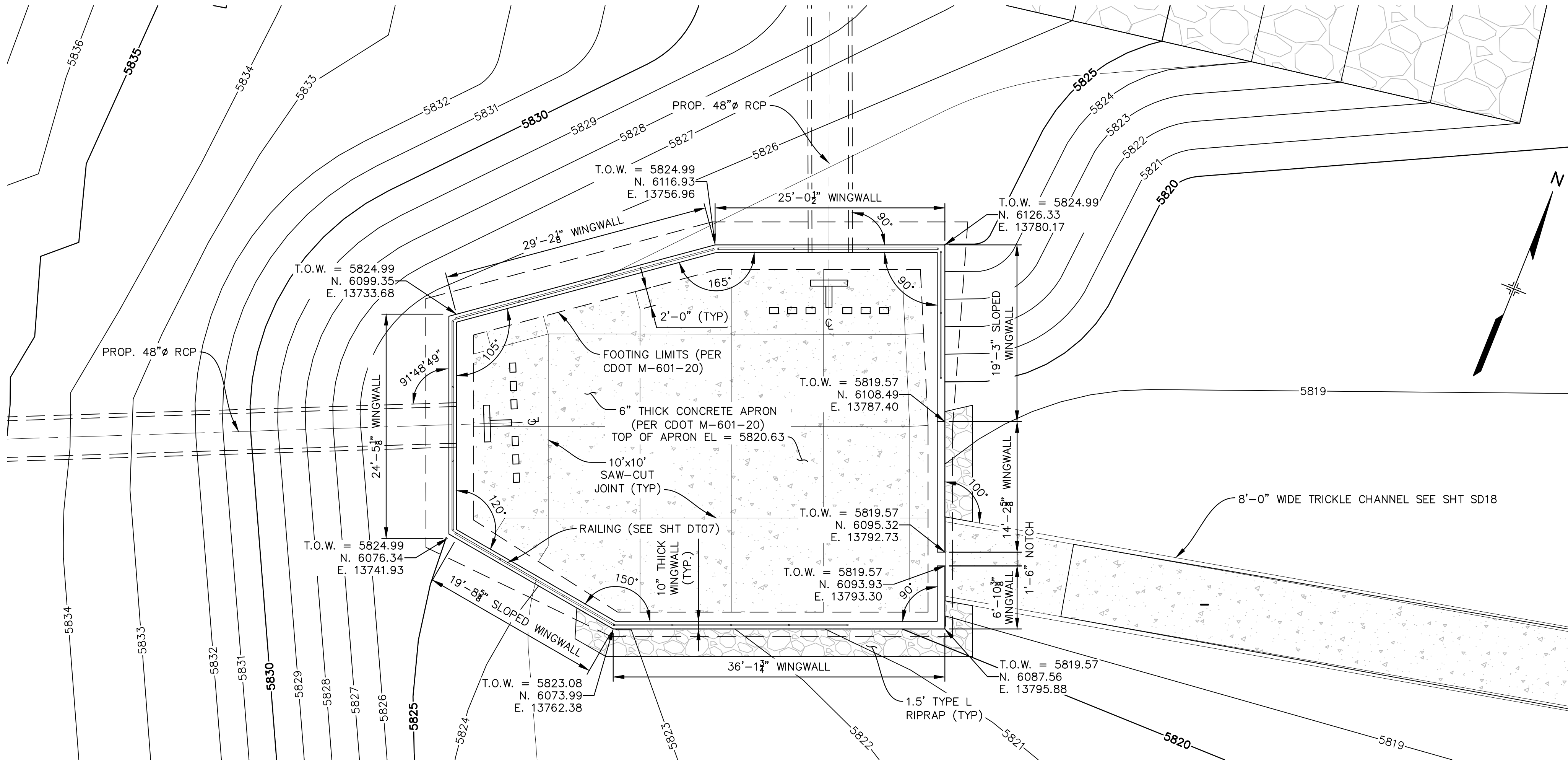
TYPICAL DISSIPATION BLOCK LAYOUT

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



TYPICAL DISSIPATION BLOCK ELEVATION

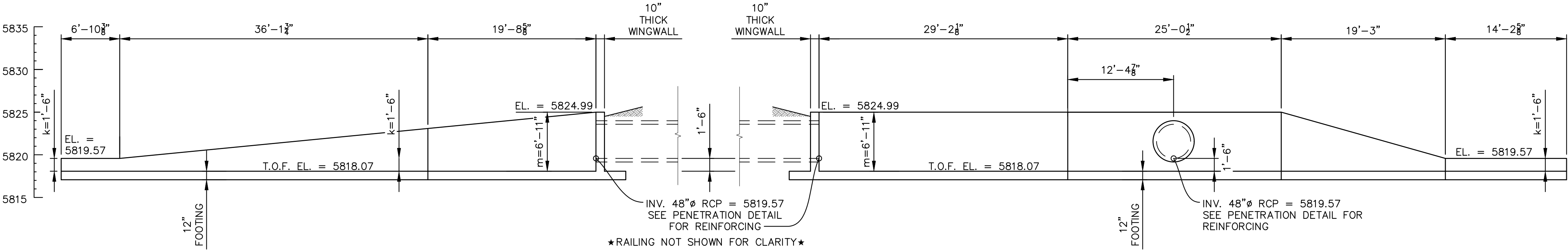
SCALE: 1/2"= 1'-0"



NORTH FOREBAY PLAN

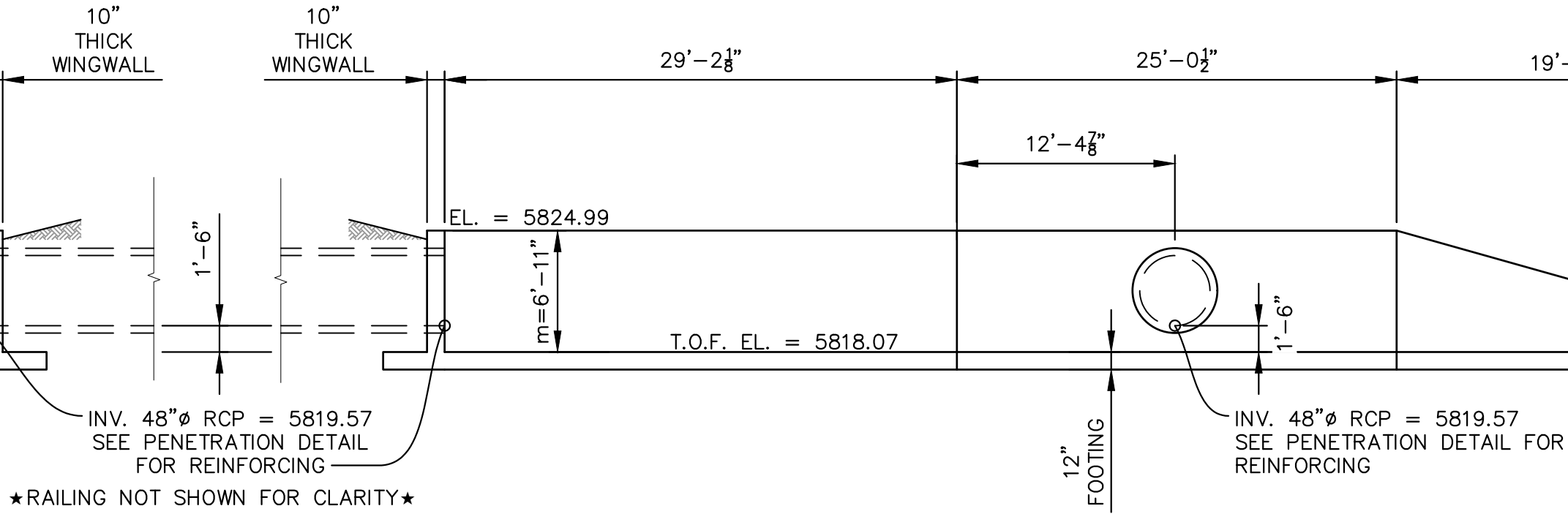
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VOLUME REQUIRED = 2,702 cf



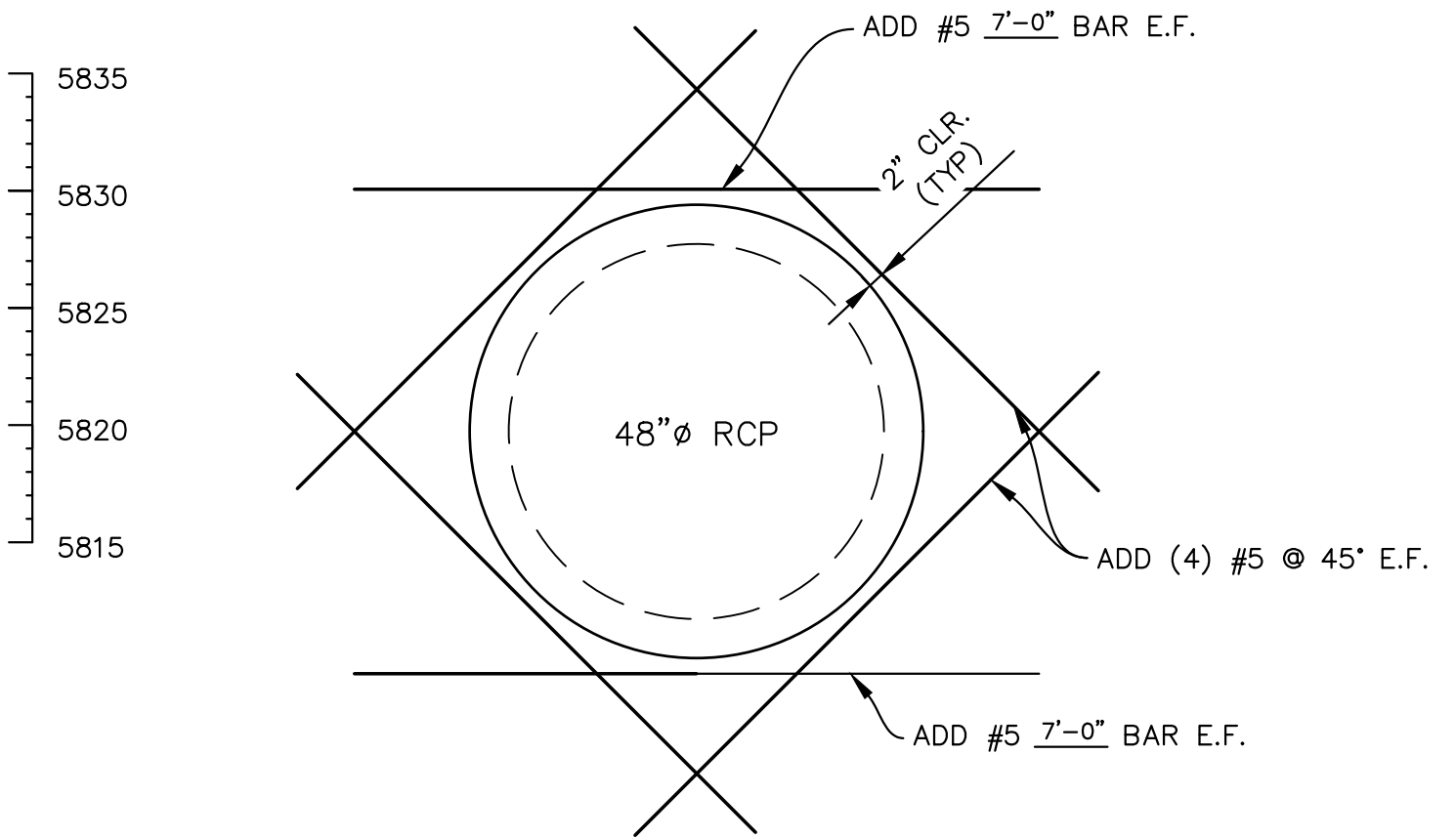
SOUTH WINGWALL ELEVATION

SCALE: 1/8"= 1'-0"



NORTH WINGWALL ELEVATION

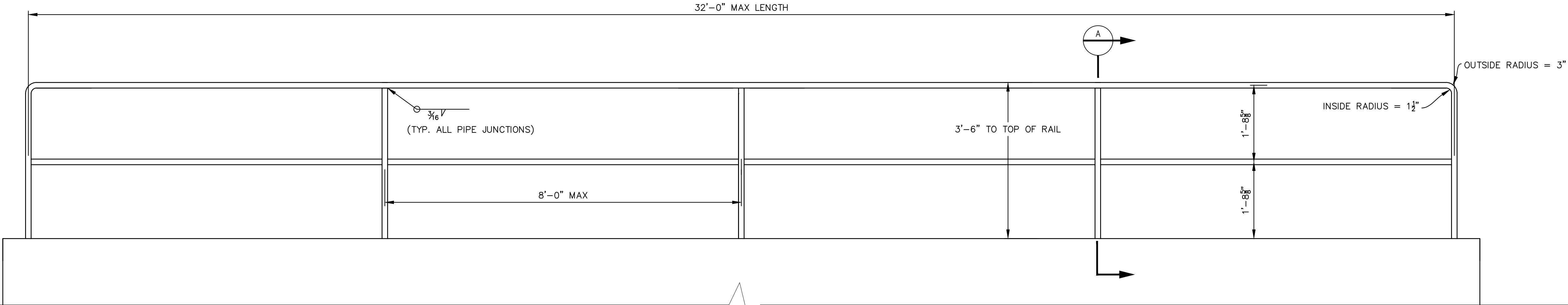
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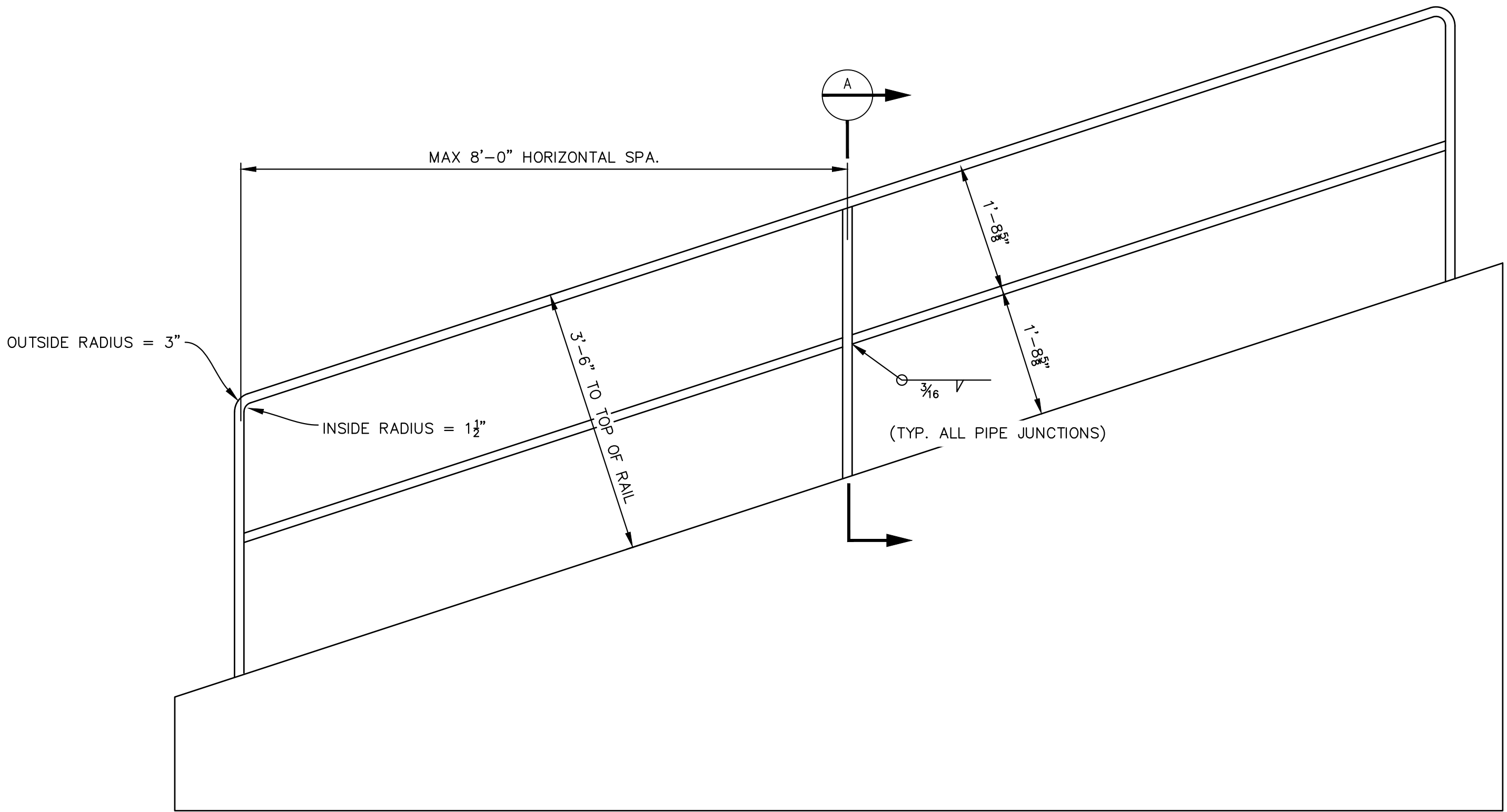
WINGWALL PENETRATION DETAIL

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

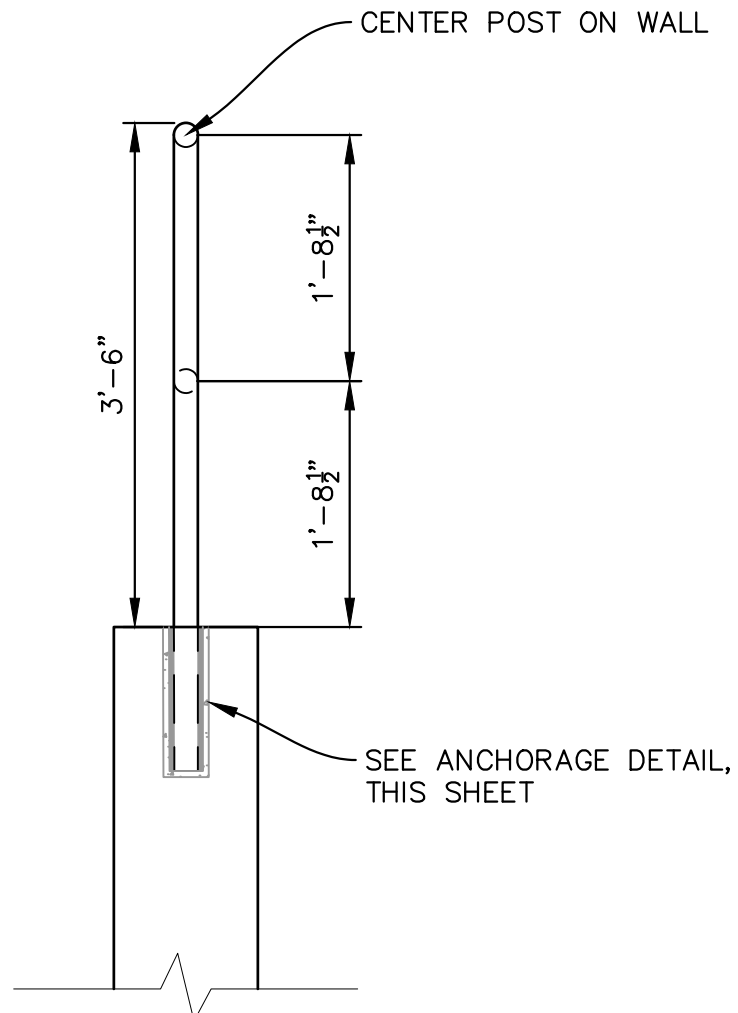
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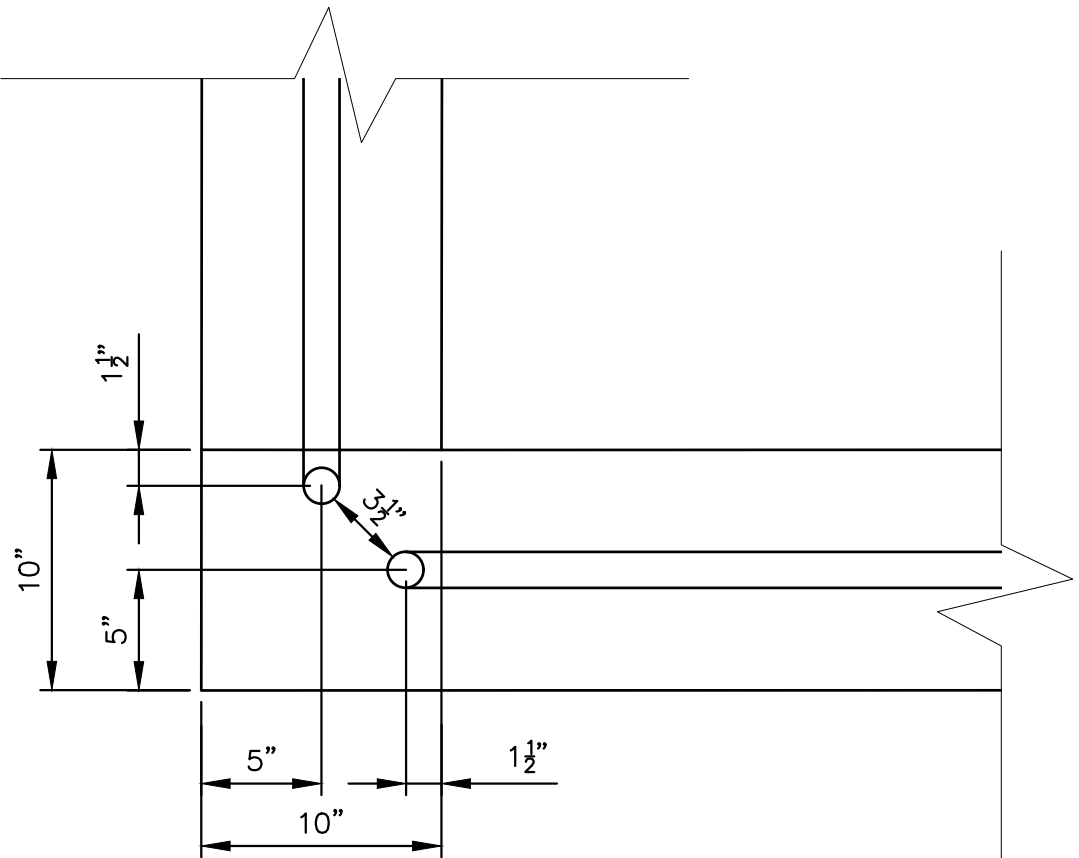
WINGWALL HANDRAIL DETAIL
SCALE: 3/4" = 1'-0"



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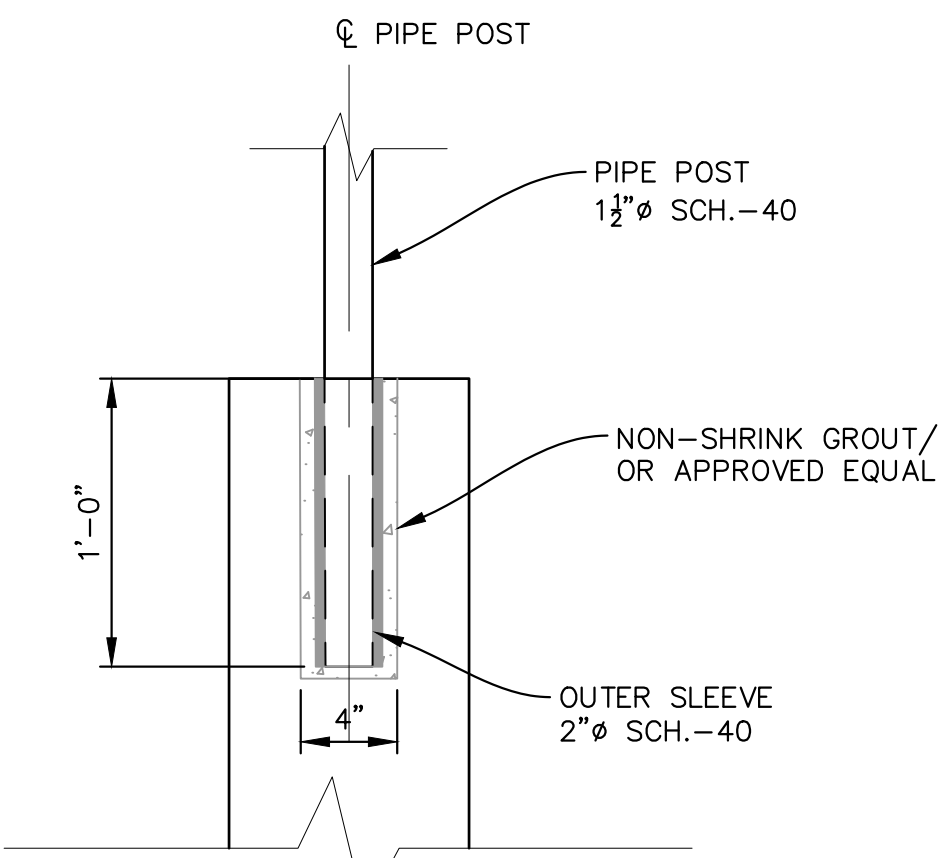


SECTION
SCALE: 3/4"=1'-0"



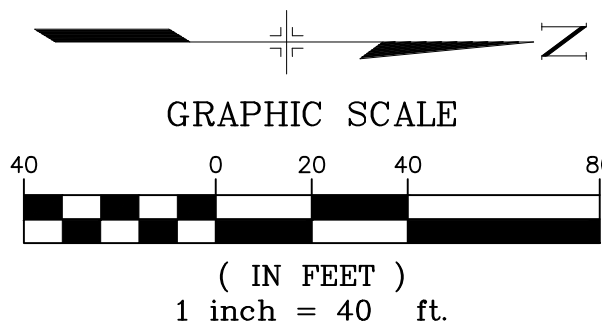
RAIL CORNER DETAIL
SCALE: 1 1/2" = 1'-0"

- RAILING NOTES:
1. ALL PIPE IS 1 1/2"Ø HOT-DIPPED GALV. SCH 40 STEEL PIPE.
 2. DIMENSIONS SHOWN ARE FROM CENTER OF PIPE UNLESS OTHERWISE NOTED.
 3. RAILING SHALL BE PLACED AT ALL LOCATIONS WHERE FALL HEIGHT IS GREATER THAN 30".



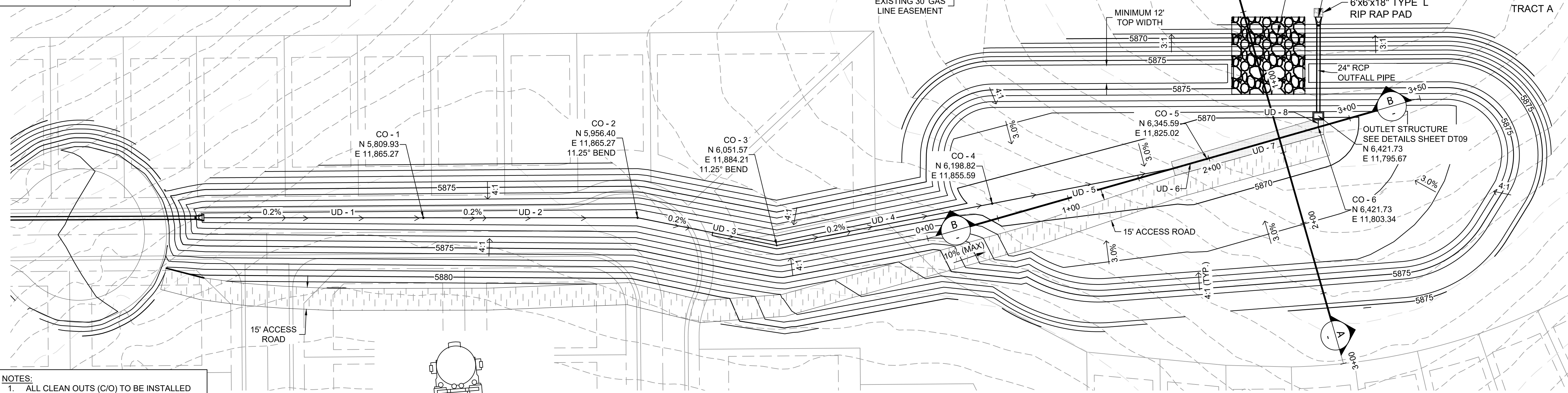
RAIL ANCHORAGE DETAIL
SCALE: 1 1/2" = 1'-0"

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Know what's below.
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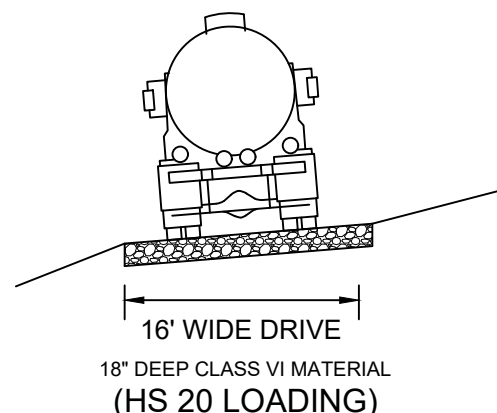
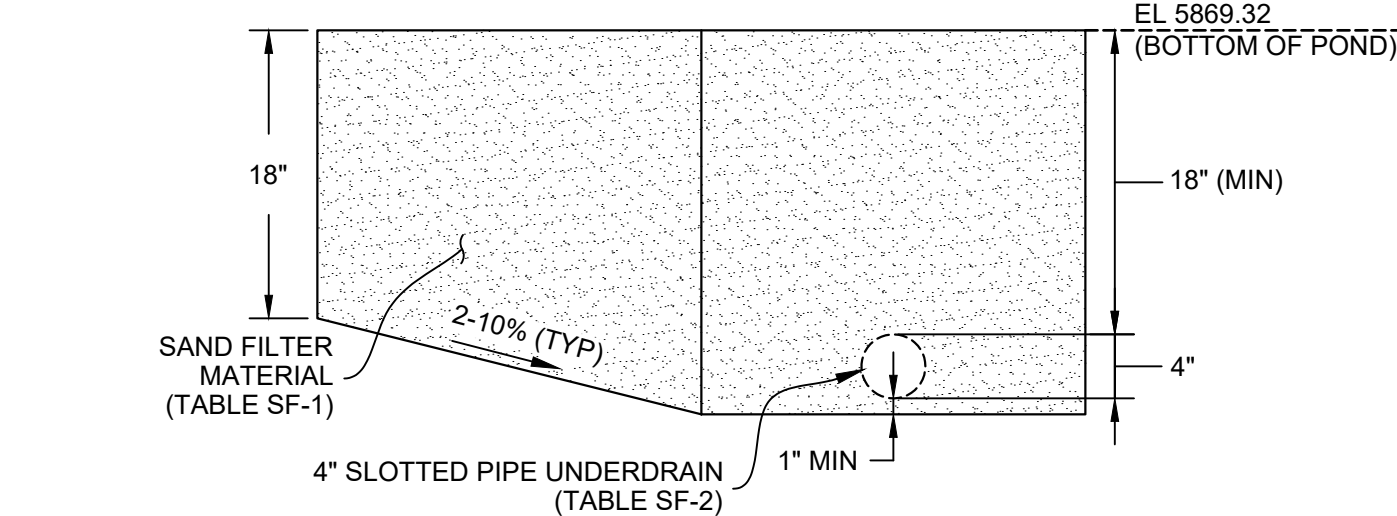
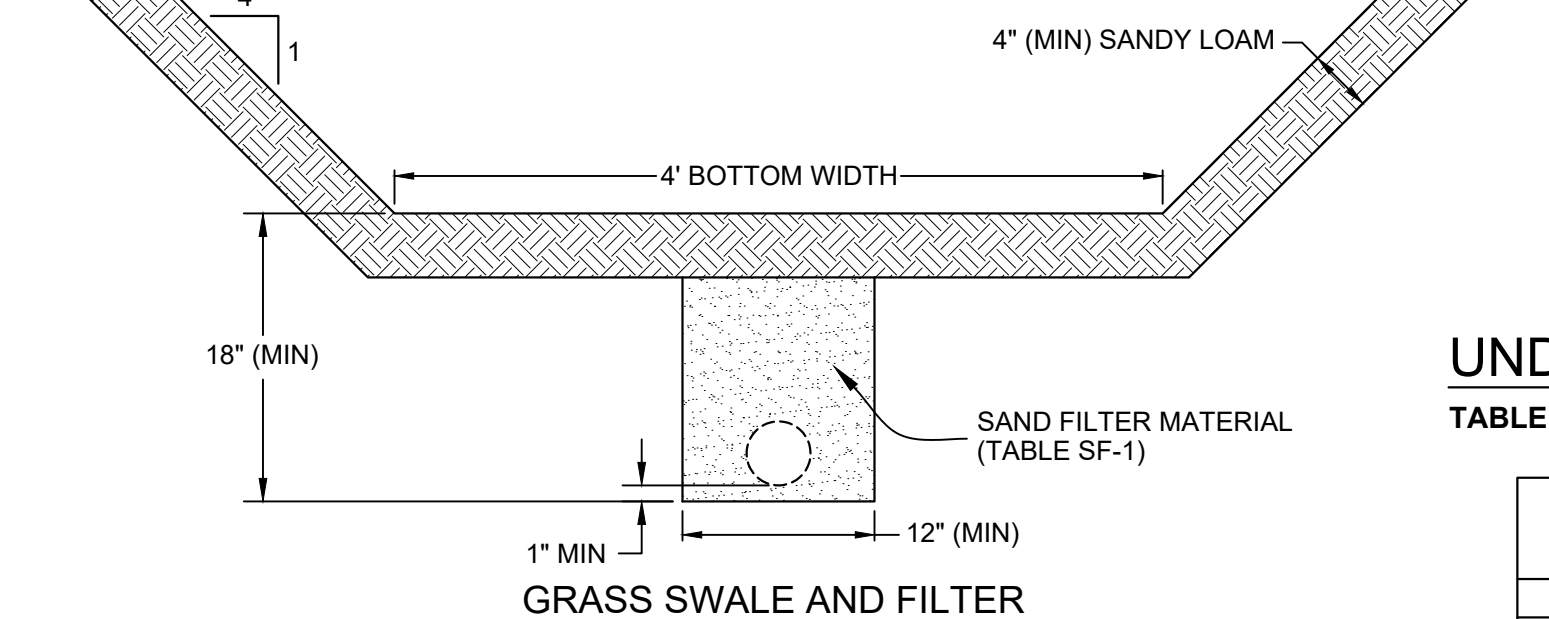
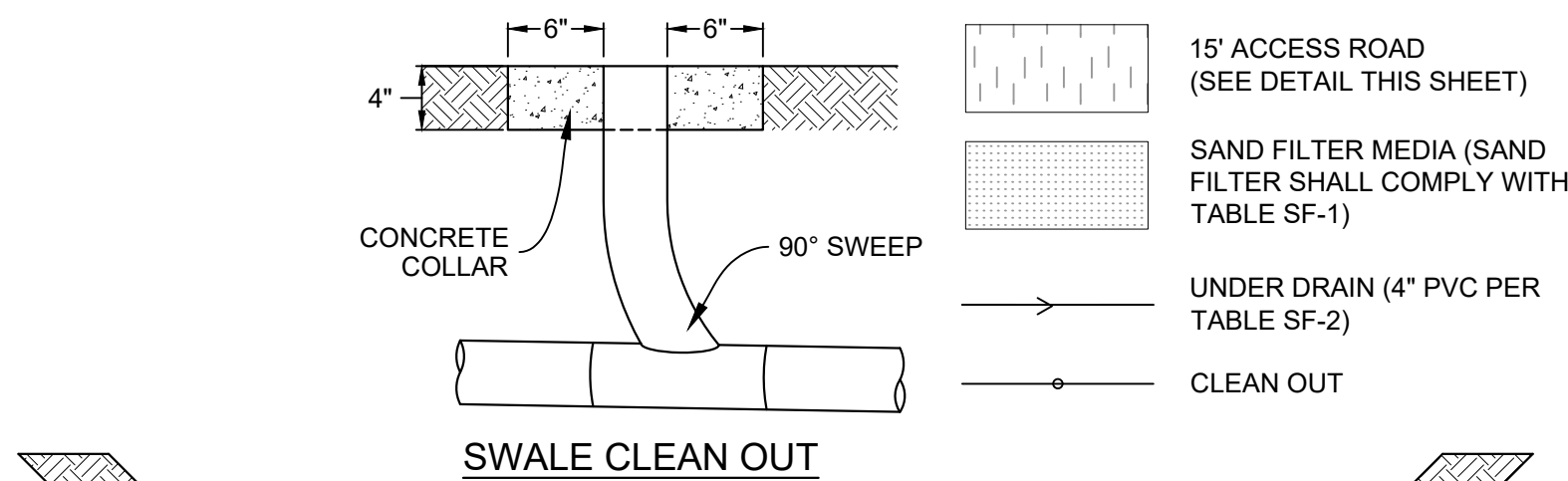
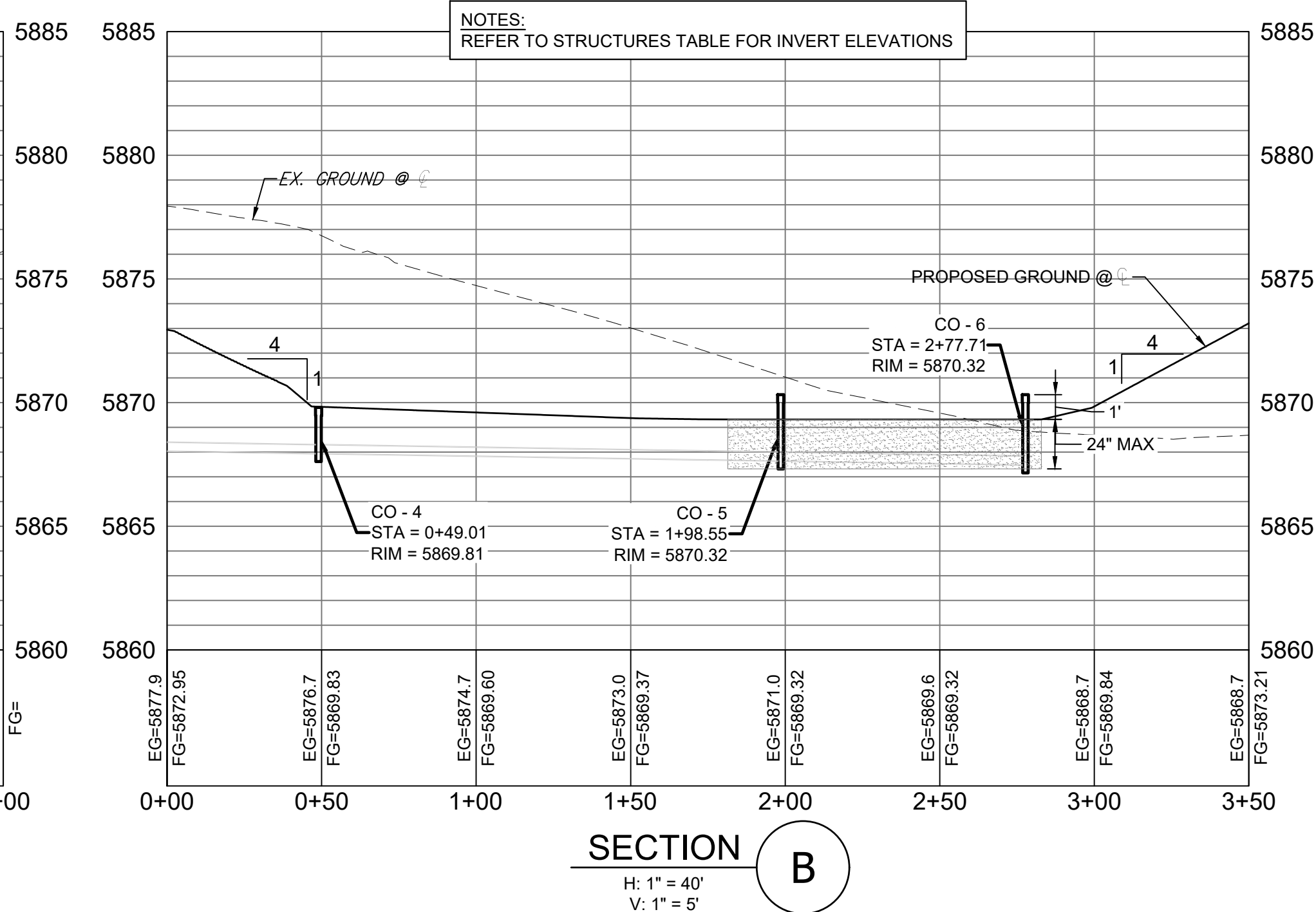
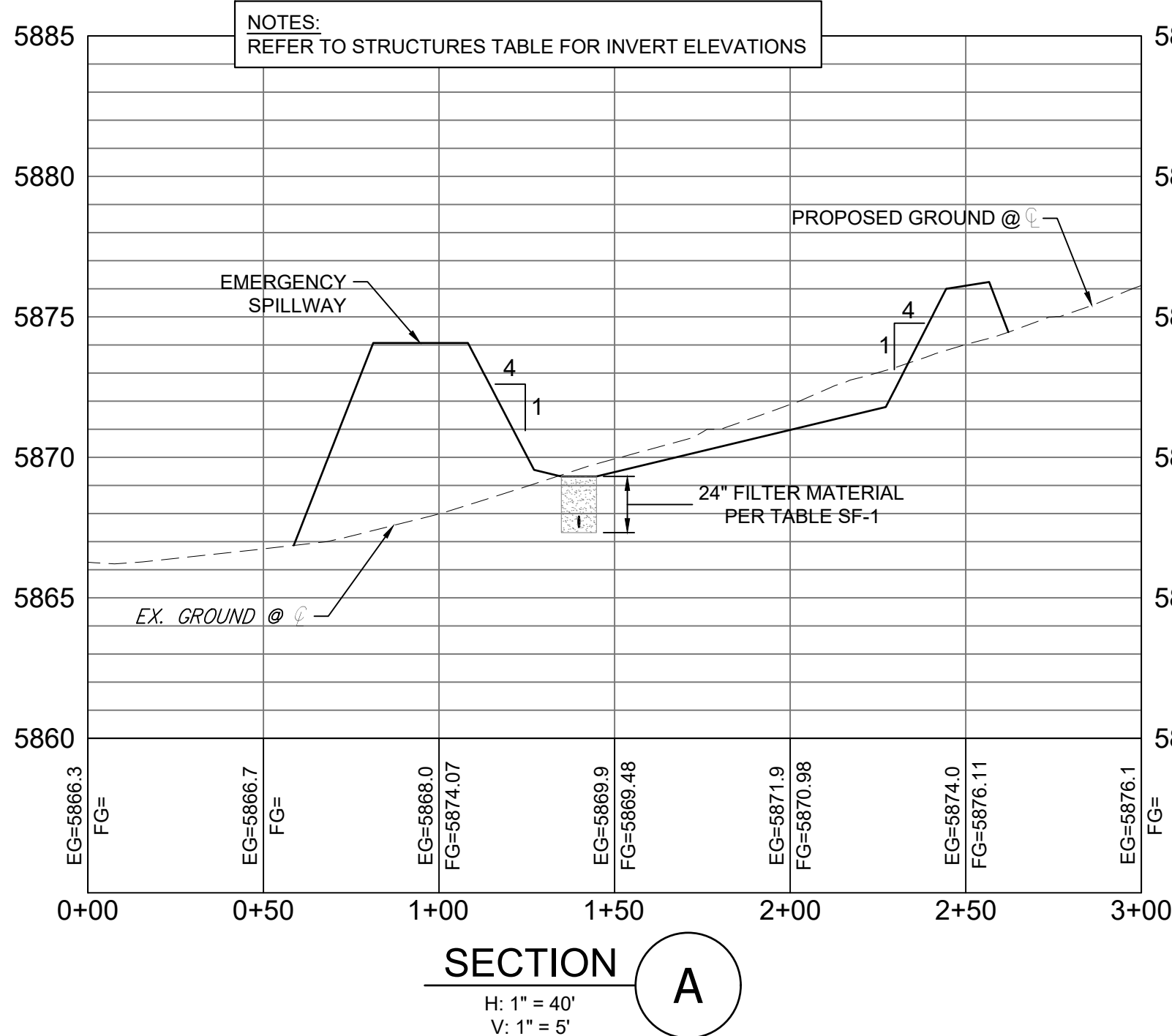
NOTES:

1. ALL STATION, OFFSET, AND NORTHING/EASTING VALUES ARE TO THE CENTER OF ALL STRUCTURES UNLESS OTHERWISE NOTED.
2. PIPE LENGTHS ARE MEASURED FROM THE OUTSIDE FACE OF ALL STRUCTURES.
3. ALL PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.
4. ALL PIPE BEND ANGLES ARE MEASURED FROM THE CENTER OF PIPE.
5. CONTRACTOR TO VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING STRUCTURES.
6. UNDERDRAIN AND SAND FILTER SHALL BE INSTALLED IN ACCORDANCE WITH UDFCD T-06 (SAND FILTER) AND T-02 (GRASS SWALE) RECOMMENDATIONS



NOTES:

1. ALL CLEAN OUTS (C/O) TO BE INSTALLED WITH 90° SWEEP AND WATERTIGHT CAPS.
2. ALL CLEAN OUT RIM ELEVATIONS WITHIN SWALE TO MATCH FINISHED GRADE.
3. ALL CLEAN OUT RIM ELEVATIONS WITHIN SAND FILTER MEDIA TO BE 1' HIGHER THAN BOTTOM OF POND ELEVATION 5869.32.

TYPICAL ACCESS ROAD
N.T.S.

Pipe Table				
Pipe Name	Size	Bearing	Length	Slope
OUTFALL PIPE	24"	N89°51'42"W	62.02	1.08%
UD - 1	4"	N00°00'00"E	150.00	0.20%
UD - 2	4"	N00°00'00"E	146.46	0.20%
UD - 3	4"	N11°15'00"E	97.04	0.20%
UD - 4	4"	N10°59'51"W	150.00	0.20%
UD - 5	4"	N10°59'51"W	126.45	0.20%
UD - 6	4"	N15°53'42"W	23.55	0.20%
UD - 7	4"	N15°53'42"W	79.16	0.20%
UD - 8	4"	N89°57'54"W	7.67	0.40%

Structure Table	
Structure Name	Structure Details
CO - 1	RIM = 5870.390 SUMP = 5868.730 UD - 1 INV IN = 5868.730 UD - 2 INV OUT = 5868.733
CO - 2	RIM = 5870.103 SUMP = 5868.440 UD - 2 INV IN = 5868.440 UD - 3 INV OUT = 5868.440
CO - 3	RIM = 5869.912 SUMP = 5868.246 UD - 3 INV IN = 5868.246 UD - 4 INV OUT = 5868.250
CO - 4	RIM = 5869.806 SUMP = 5867.950 UD - 4 INV IN = 5867.950 UD - 5 INV OUT = 5867.950
CO - 5	RIM = 5870.320 SUMP = 5867.650 UD - 6 INV IN = 5867.653 UD - 7 INV OUT = 5867.650
CO - 6	RIM = 5870.320 SUMP = 5867.490 UD - 7 INV IN = 5867.492 UD - 8 INV OUT = 5867.490
OUTLET STRUCTURE	RIM = 5872.550 SUMP = 5867.210 UD - 8 INV IN = 5867.459 OUTFALL PIPE INV OUT = 5867.210

UNDERDRAIN

TABLE SF-1 Gradation specifications for CDOT Class B or C filter material
(Source: CDOT Table 703-7)

SIEVE SIZE	CDOT CLASS B FILTER MATERIAL	CDOT CLASS C FILTER MATERIAL
37.5mm (1.5")	100	
19.0 mm (0.75")		100
4.75 mm (No. 4)	20-60	60-100
1.18 um (No. 16)	10-30	
300 um (No. 50)	0-10	10-30
150 um (No. 100)		0-10
75 um (No. 200)	0-3	0-3

TABLE SF-2 Dimensions for slotted pipe

PIPE SIZE	SLOT LENGTH	MAXIMUM SLOT WIDTH	SLOT CENTERS	OPEN AREA (per foot)
4"	1-1/16"	0.032"	0.413"	1.90 sq-in
6"	1-3/8"	0.032"	0.516"	1.98 sq-in

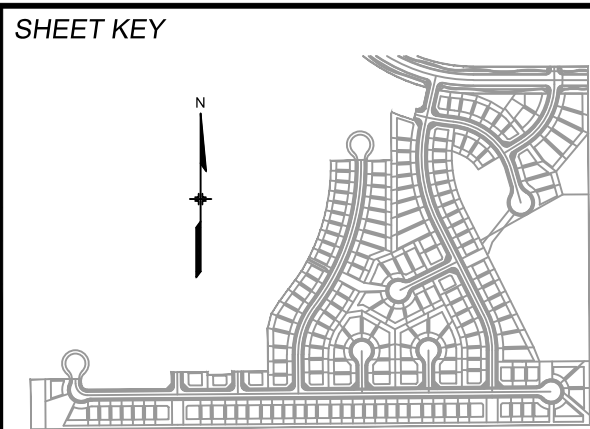
Pipe must conform to requirements of ASTM designation F949. There shall be no evidence of splitting, cracking, or breaking when the pipe is tested per ASTM test method D2412 in accordance with F949 Section 7.5 and ASTM F794 Section 8.5. Contech A-2000 slotted pipe (or equal).

TRAILS AT ASPEN RIDGE

FILING NO. 1
ROADWAY & STORM IMPROVEMENT PLANSWEST POND LAYOUT, PROFILES,
SECTIONS, DETAILS, AND TABLES

DESIGNED BY:	WME	SCALE	DATE ISSUED:	JANUARY, 2020	DRAWING No.
DRAWN BY:	WME	HORIZ 1" = 40'			DT08
CHECKED BY:	JTS	VERT. 1" = 5'	SHEET	72 OF 73	

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
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CTB FILE: ----			
PLOT DATE: January 23, 2020 12:05:05 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 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)

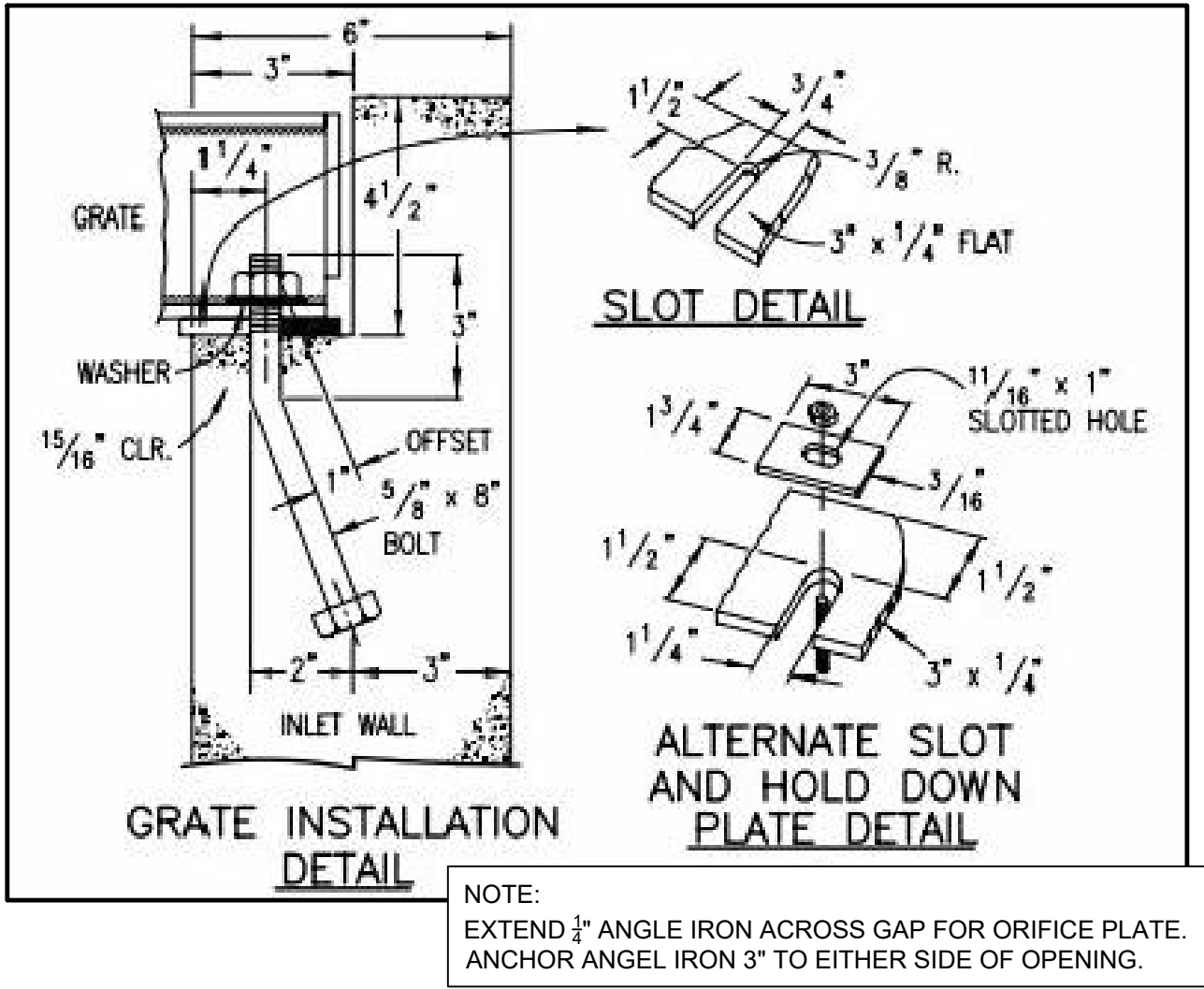
PREPARED BY:

Matrix
DESIGN GROUP

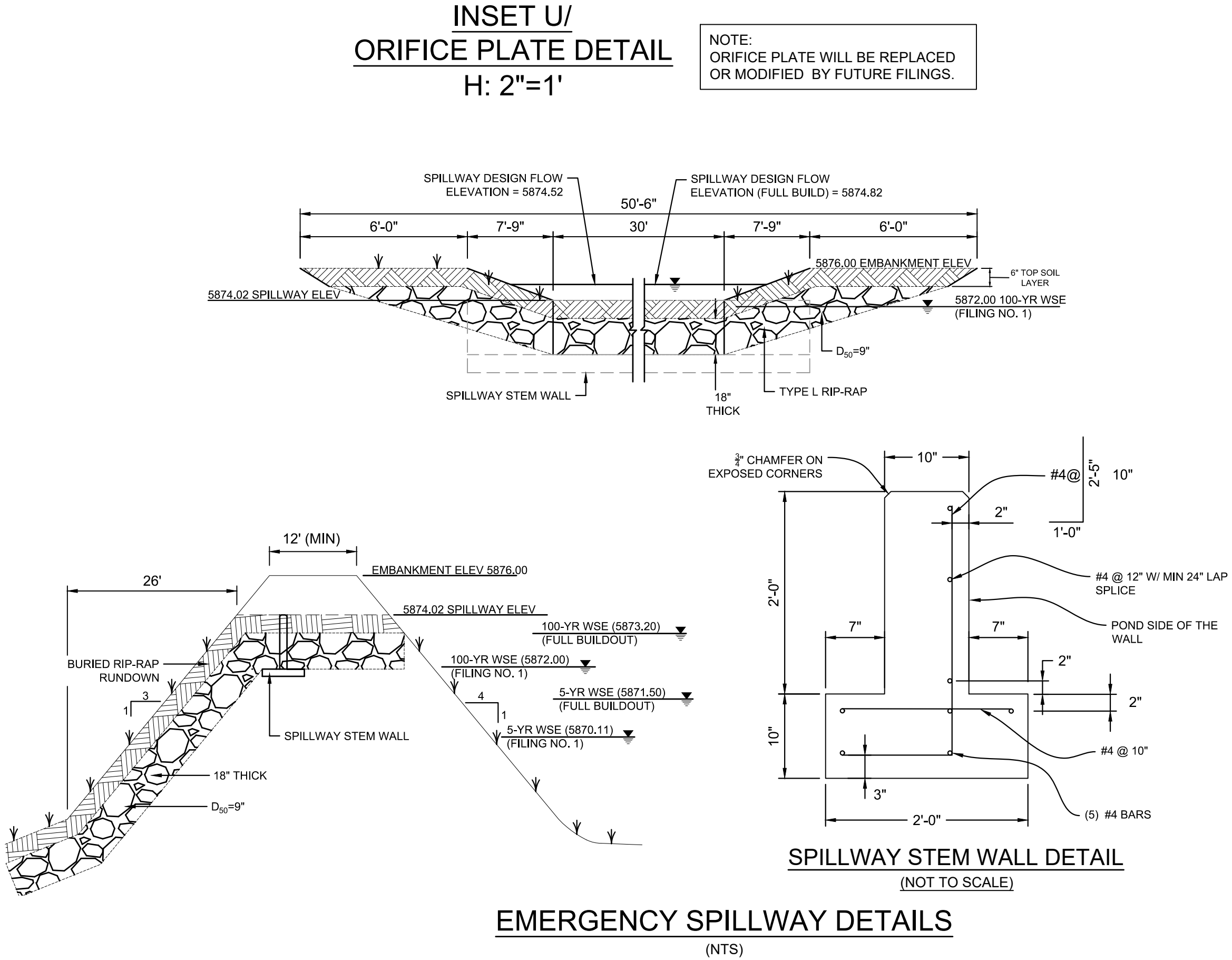
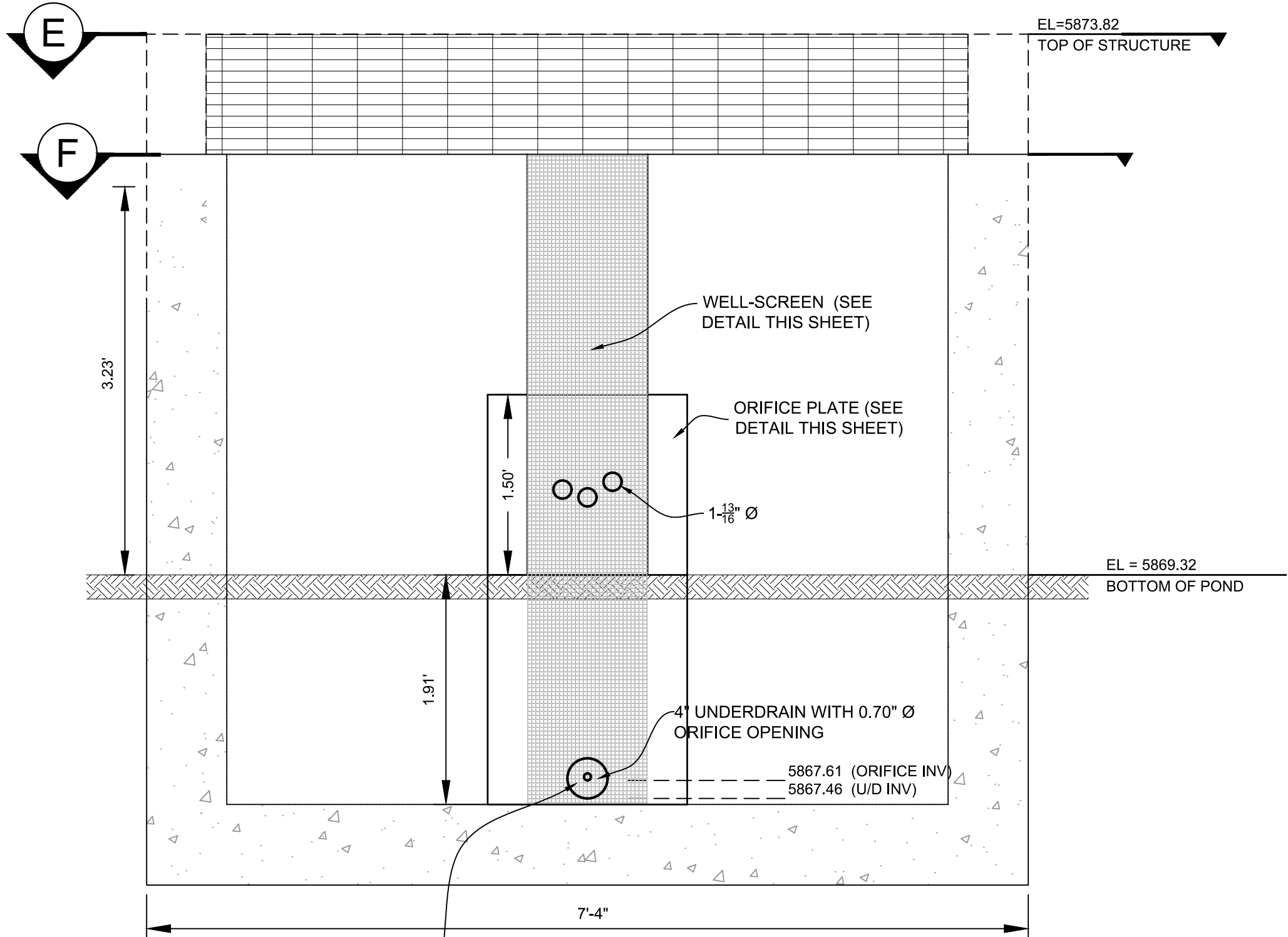
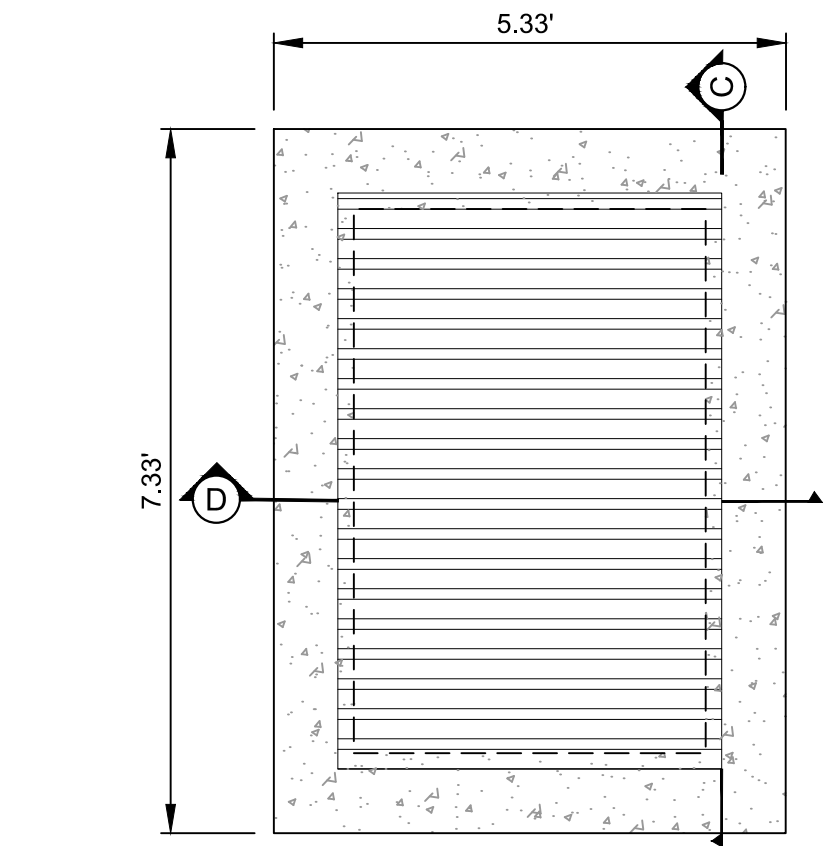
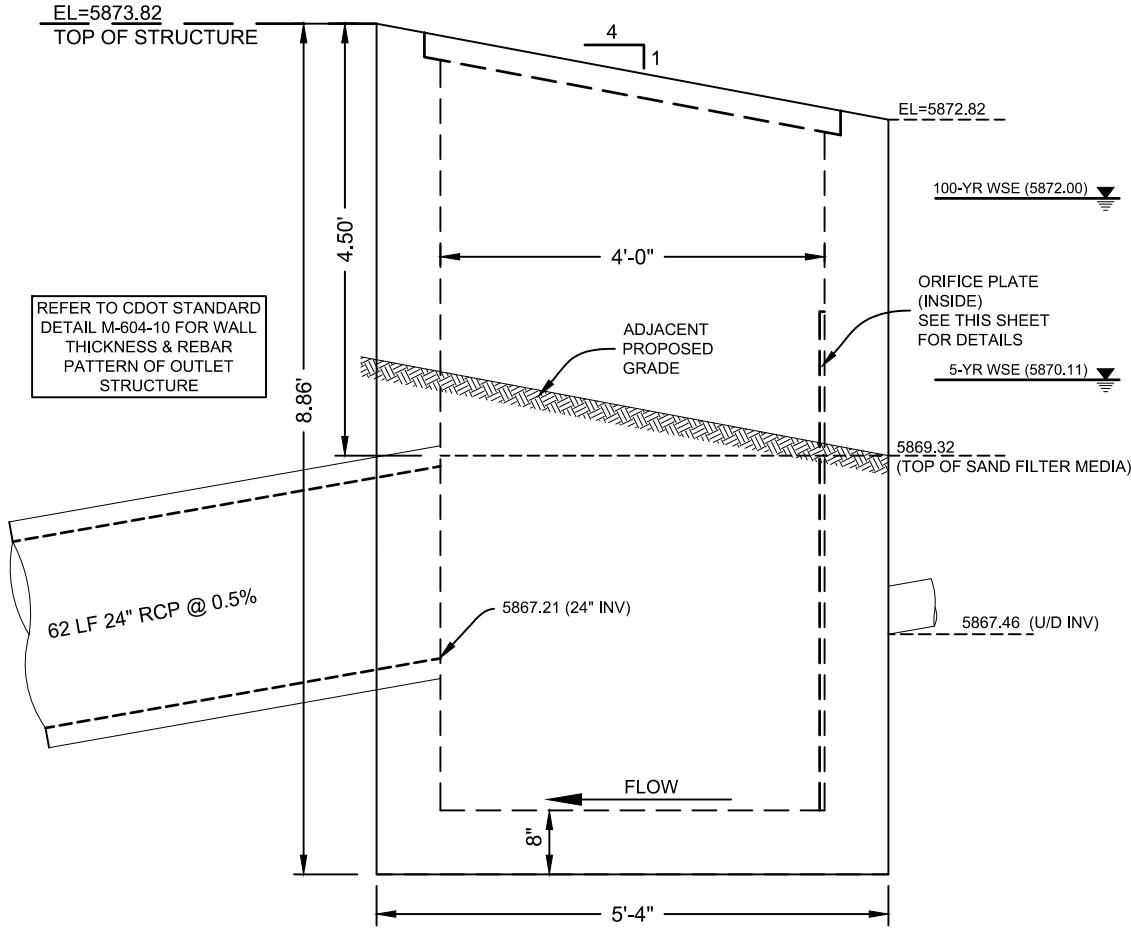
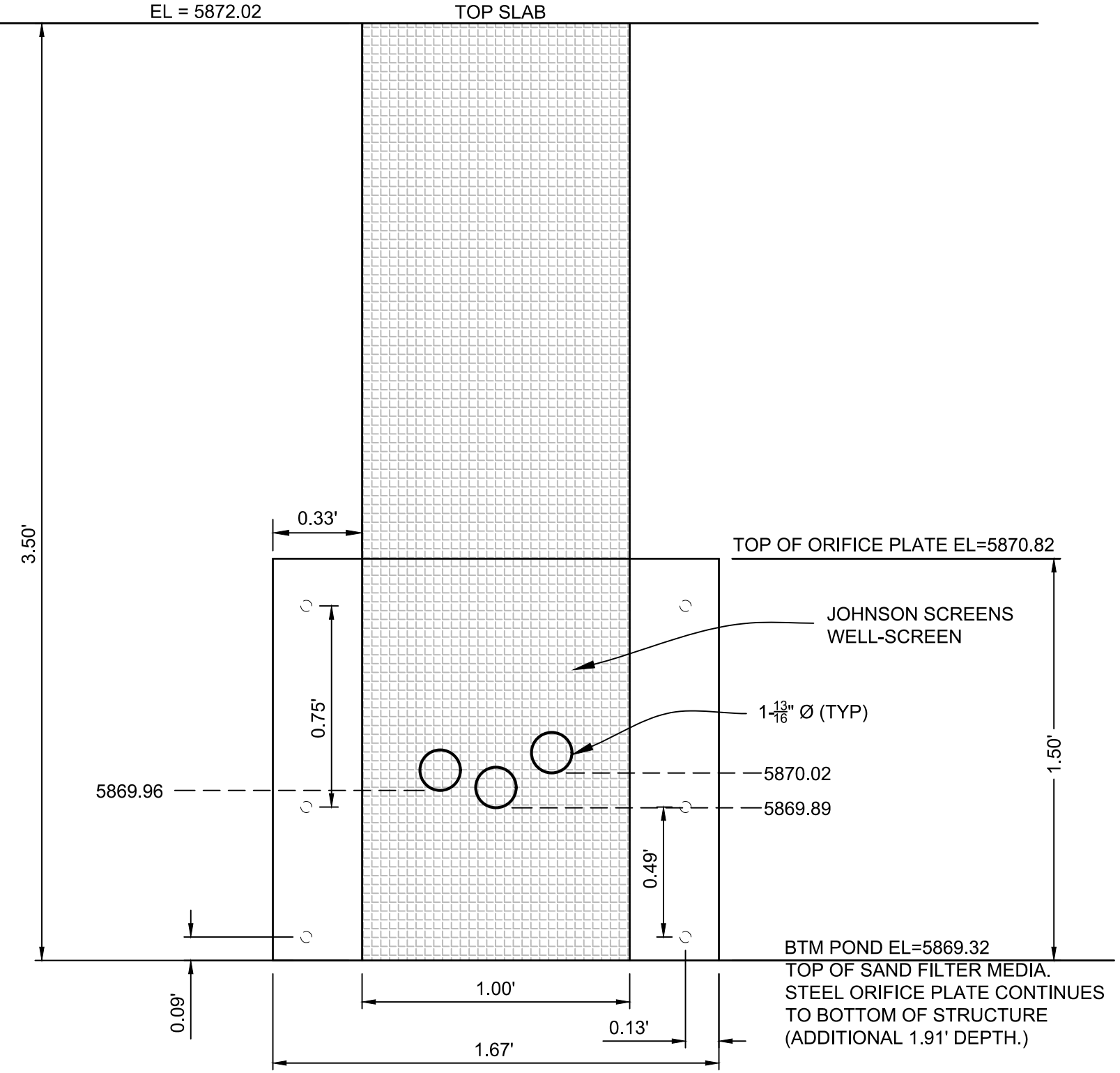
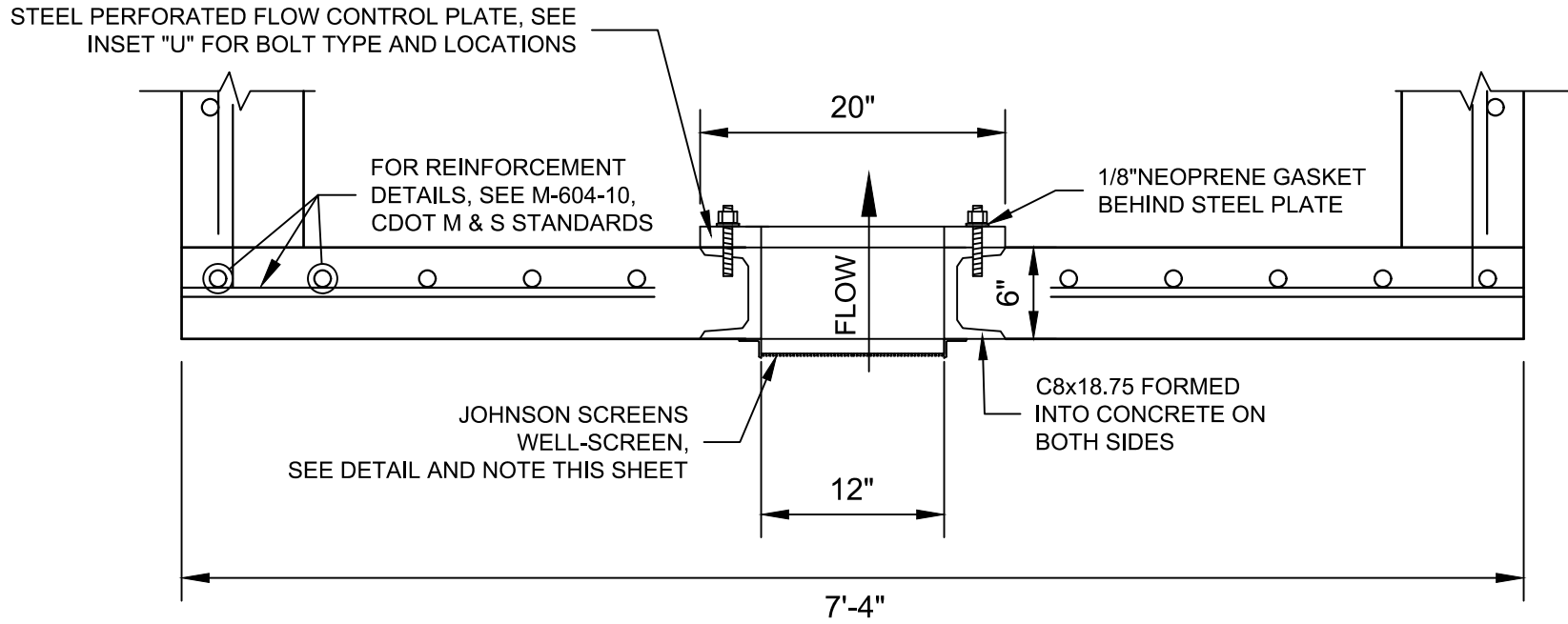
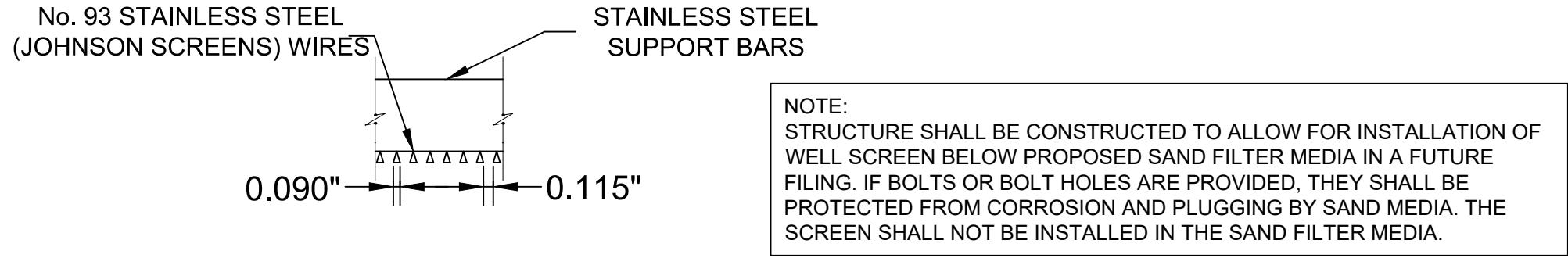
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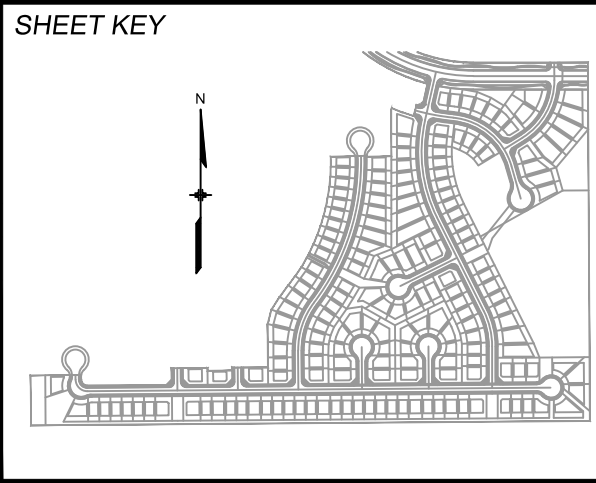
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 19.886.011



STRUCTURE	SCREEN #93 VEE WIRE SLOT OPENING	SUPPORT ROD TYPE & SPACING	TOTAL SCREEN THICKNESS	CARBON STEEL FRAME TYPE
OUTLET STRUCTURES	0.139	#156 VEE @ 3/4" O.C.	0.31"	3/8" x 1" BAR



REFERENCE DRAWINGS				
No.	DATE	DESCRIPTION	BY	
COMPUTER FILE MANAGEMENT				
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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

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TRAILS AT ASPEN RIDGE				
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS				
WEST POND SECTIONS AND DETAILS				
DESIGNED BY:	WME	SCALE	DATE ISSUED:	JANUARY 2020
DRAWN BY:	WME	HORIZ	N/A	
CHECKED BY:	JTS	VERT.	N/A	
PROJECT No. 19.886.011				DWING No. DT09