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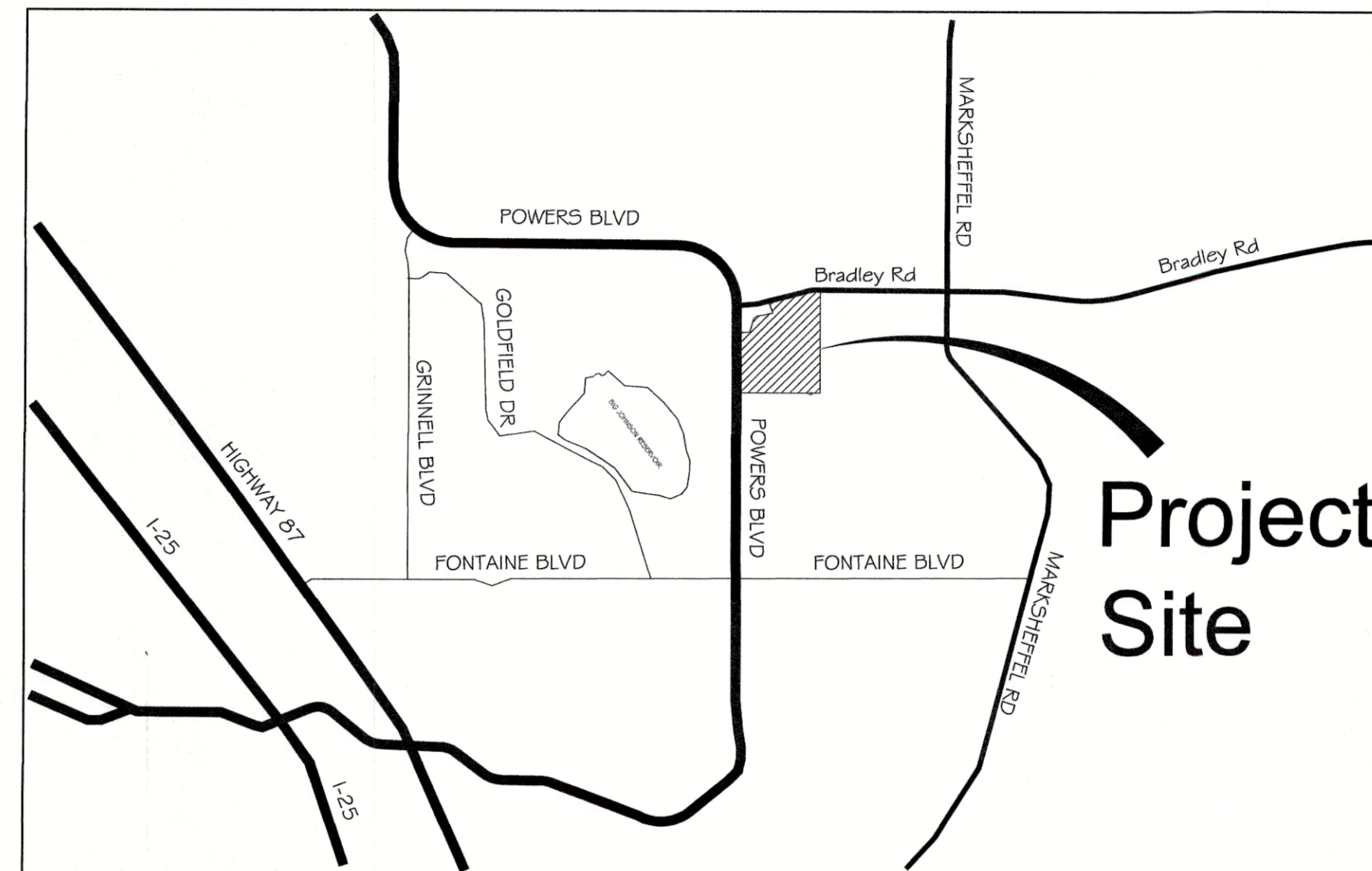
TRAILS AT ASPEN RIDGE FILING NO.1

EL PASO COUNTY, CO

ROADWAY & STORM IMPROVEMENT PLANS

DECEMBER, 2019

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VICINITY MAP
N.T.S.

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:

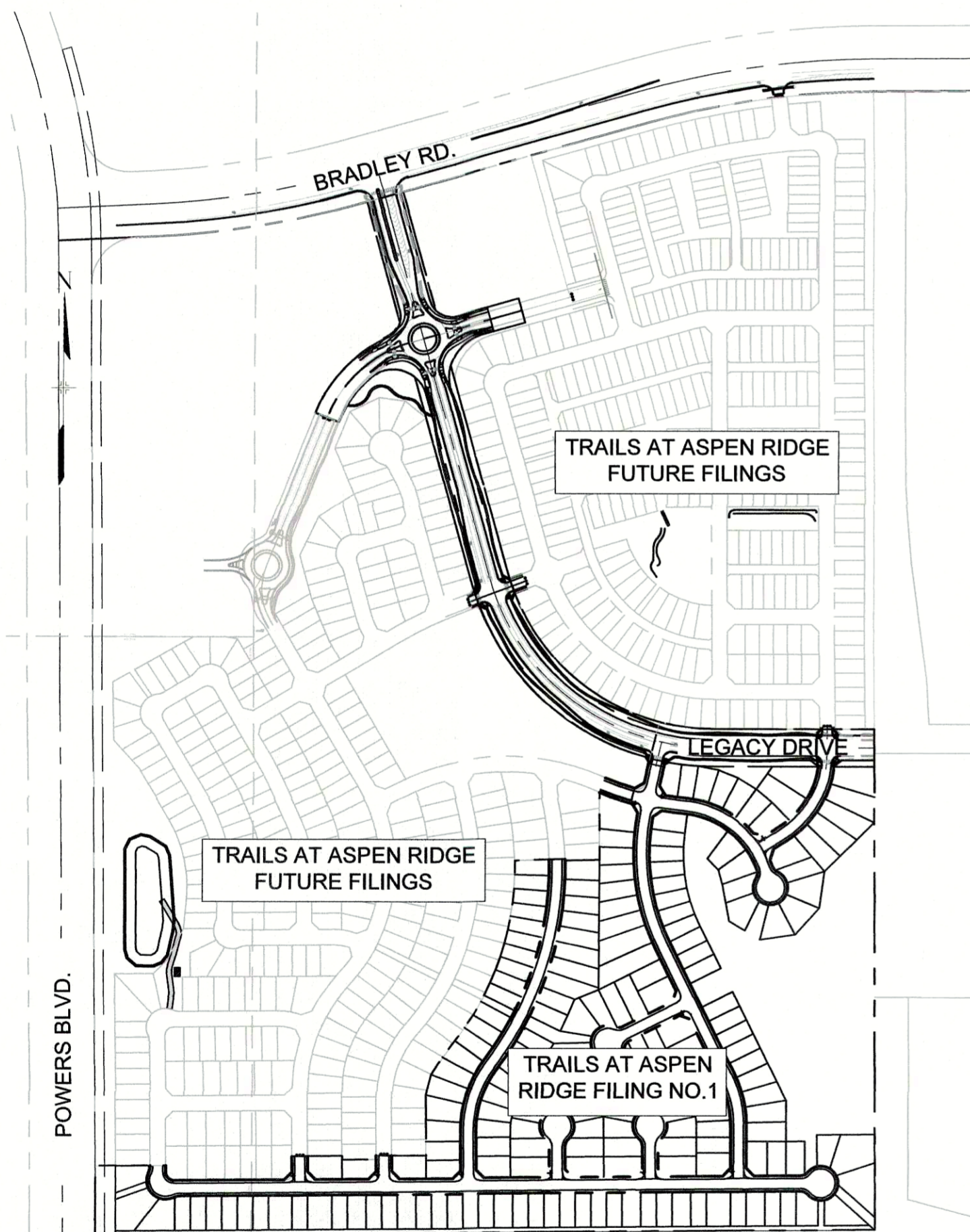
COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY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

Approved
By: *Elizabeth Nijkamp*
Date: *02/13/2020*
El Paso County Planning & Community Development



SITE MAP
N.T.S.

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]
DATE: *1-7-2020*
COLA, LLC
555 MIDDLE PARKWAY
COLORADO SPRINGS, CO 80921

ENGINEERING RECORD DRAWINGS
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS. REFER TO ORIGINAL DRAWINGS FOR SIGNATURES AND SEALS.
Nicole Schanel
Date: *09/30/22*
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.

PCD File No. SF192

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\TS01.dwg				
CTB FILE: January 6, 2020 12:28:48 PM				
PLOT DATE: January 6, 2020 12:28:48 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 - 5997.89' 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

TITLE SHEET

DESIGNED BY: NMS	SCALE: N/A	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. TS01
DRAWN BY: TJC	HORIZ. N/A	SHEET 1 OF 73	
CHECKED BY: NMS	VERT. N/A		

GENERAL NOTES:

- 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.
- 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.).
- NO FIELD CHANGES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE FIELD ENGINEER.
- SUBMITTALS SHALL BE MADE FOR ALL MATERIALS TO BE INCORPORATED INTO THE PROJECT.
- 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.
- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL OBTAIN AN APPROVED TRAFFIC CONTROL PLAN PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
- 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.
- 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.
- ALL CONSTRUCTION IS TO INCLUDE COMPACTION AND FINISH GRADING IN THE UNIT PRICE RELATED WORK ITEM.
- 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.
- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY EL PASO COUNTY AND THE FIELD ENGINEER.
- THE FIELD ENGINEER SHALL BE NOTIFIED WITHIN 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.
- PAYMENT, DIMENSIONS AND RADII ARE SHOWN TO THE LIP OF CURB UNLESS OTHERWISE NOTED.
- 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.
- THE CONTRACTOR SHALL CLOSELY MONITOR ACCESS FOR HEAVY CONSTRUCTION EQUIPMENT THROUGH THE PROJECT AREAS.
- 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.
- 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.
- THE PHYSICAL FEATURES REQUIRING REMOVAL OR OBLITERATION WITHIN THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF OFF-SITE.
- 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.
- THE CONTRACTOR SHALL HAVE A COPY OF ALL APPLICABLE STANDARDS AND PLANS ON SITE FOR THE DURATION OF THE PROJECT.
- THE CONTRACTOR SHALL NOT STOCKPILE MATERIAL WITHIN 10 FEET OF THE EDGE OF TRAVELED WAY.
- ANY LAYER OF BITUMINOUS PAVEMENT THAT IS TO HAVE SUCCEEDING LAYER PLACED THEREON SHALL BE COMPLETED FULL WIDTH BEFORE SUCCEEDING LAYER IS PLACED.
- 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.
- 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.:

- 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.
- 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:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LEGAL DISPOSAL OF ANY EXCESS SOIL, DEBRIS AND WASTE MATERIAL OFF OF THE PROJECT SITE.
- ANY MATERIAL NOT SUITABLE FOR BACKFILL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF, BY AND AT THE EXPENSE OF THE CONTRACTOR.
- 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:

- 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.
- 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:

- 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.
- 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.
- APPROVAL OF THESE PLANS BY THE COUNTY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS BEEN ISSUED.
- 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.
- ALL TRAFFIC SIGNS, PAVEMENT MARKINGS, AND TRAFFIC SIGNALS SHALL MEET OR EXCEED M.U.T.C.D. STANDARDS.
- 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:

- 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.
- 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).
- 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:
 - EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
 - CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
 - COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 - CDOT M & S STANDARDS
- 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.
- 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.

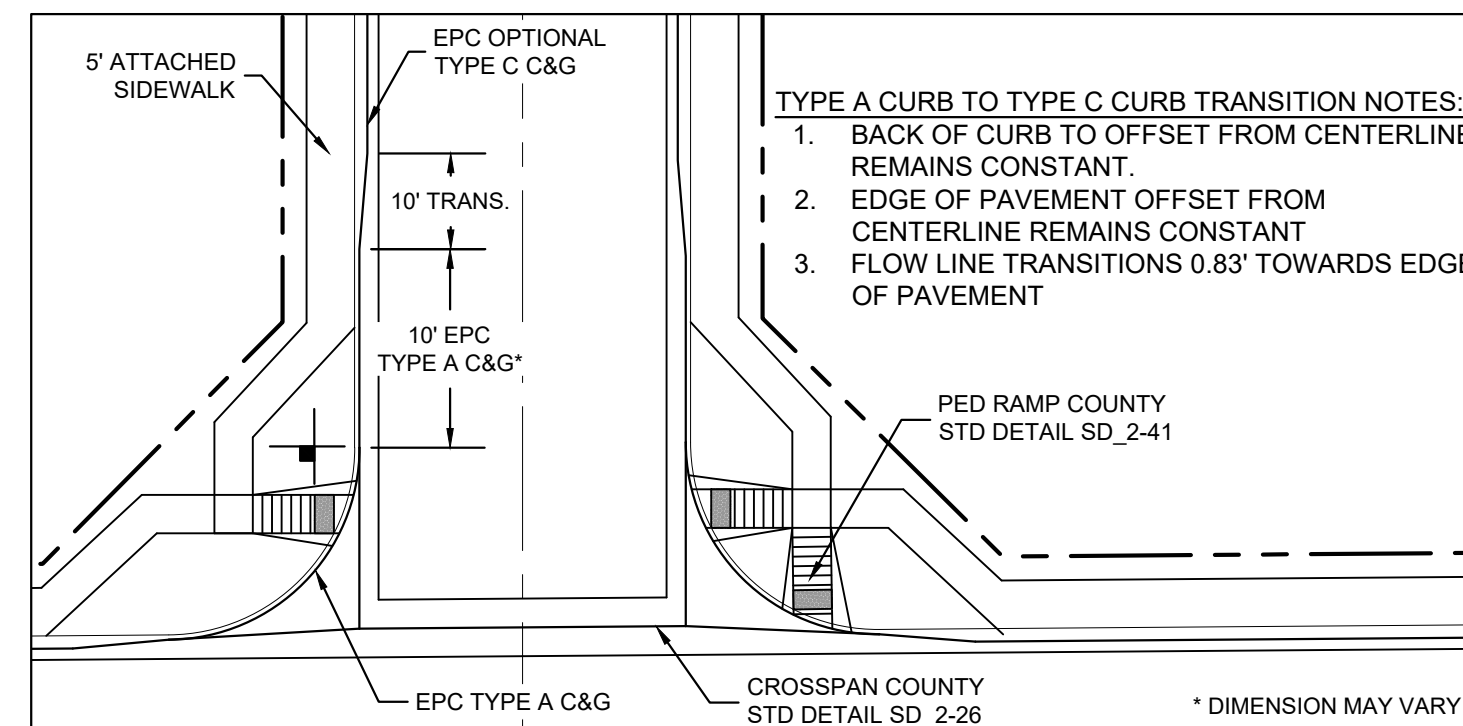
CONSTRUCTION NOTES con't.:

- CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (PCD) - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
- 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.
- 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.
- ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
- 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.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- 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.
- SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA. [IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.]
- CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
- 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 :

- ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- 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.
- ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT.
- 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.
- STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
- ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
- 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"
- ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
- 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.
- ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
- 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.
- 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.
- THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
- 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.

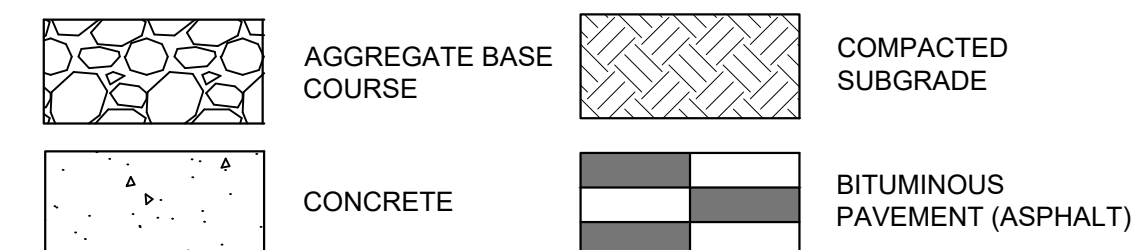
TYPICAL CURB TRANSITION DETAIL



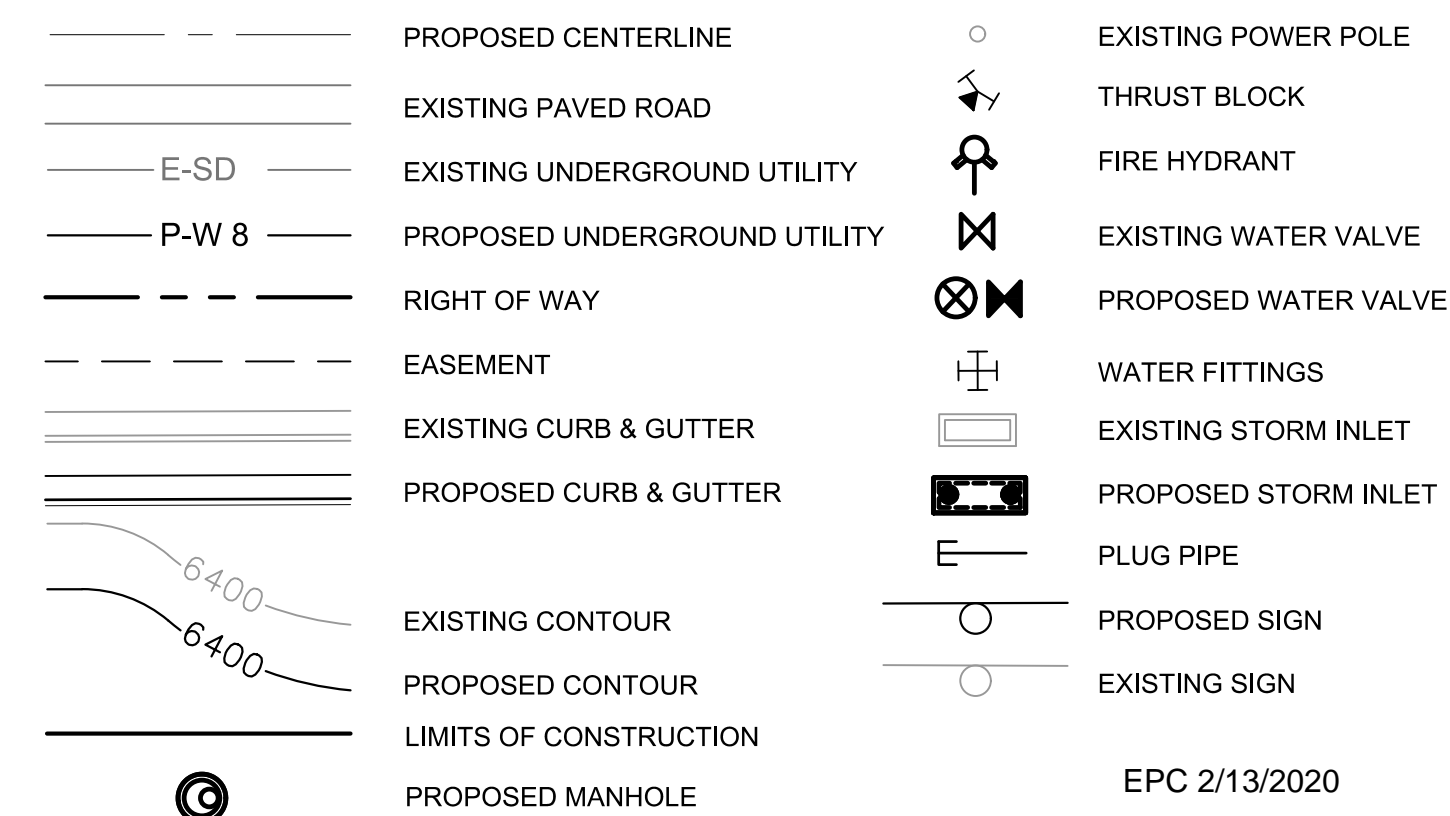
ABBREVIATIONS:

ASSY	ASSEMBLY	NC	NORMAL CROWN
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS	NIC	NOT IN CONTRACT
APPROX	APPROXIMATE or APPROXIMATELY	NO	NUMBER
AVE	AVENUE	NOM	NOMINAL
AVG	AVERAGE	NTS	NOT TO SCALE
BLVD	BOULEVARD	OC	ON CENTER
BTM	BOTTOM	O/S	OFFSET
CEN	CENTER	P	PROPOSED
¢ or CL	CENTERLINE	PC	POINT OF CURVATURE
CFS	CUBIC FEET PER SECOND	PCC	POINT OF COMPOUND CURVE
CLR	CLEAR	PCR	POINT OF CURB RETURN
CMP	CORRUGATED METAL PIPE	PE	PLAIN END
CONC	CONCRETE	PIE	PUBLIC IMPROVEMENT EASEMENT
CONST	CONSTRUCTION	PGL	PROFILE GRADE LINE
CONT	CONTINUOUS	¢ or P/L	PROPERTY LINE
DIA	DIAMETER	PRC	POINT OF REVERSE CURVE
DN	DOWN	PT	POINT OF TANGENCY
DWG	DRAWING	PVC	POINT OF VERTICAL CURVE or POLYVINYL CHLORIDE
EA	EACH	PVI	POINT OF VERTICAL INTERSECTION
EGL	ENERGY GRADE LINE	PVMT	PAVEMENT
ELEV or EL	ELEVATION	PVT	POINT OF VERTICAL TANGENT
ELL	ELBOW	R OR RAD	RADIUS
ESMT	EASEMENT	RC	REVERSE CROWN
EW	EACHWAY	RCP	REINFORCED CONCRETE PIPE
EX or EXIST	EXISTING	RED	REDUCER
FES	FLARED END SECTION	REF	REFERENCE
FIN	FINISHED	REINF	REINFORCING
¢ or FL	FLOWLINE	REQ	REQUIRED
FLG	FLANGE	REV	REVISION
FT	FOOT / FEET	ROW	RIGHT-OF-WAY
FRP	FIBERGLASS REINFORCED PIPE	RT	RIGHT
GALV	GALVANIZED	SCH	SCHEDULE
GV	GATE VALVE	SD	STORM SEWER
HBP	HOT BITUMINOUS PAVEMENT	SO	SQUARE
HGL	HYDRAULIC GRADE LINE	ST	STREET
HP	HIGH POINT	STA	STATION
HORIZ	HORIZONTAL	STD	STANDARD
HCL	HORIZONTAL CONTROL LINE	STL	STEEL
INV	INVERT	SS OR SAN	SANITARY SEWER
K	VERTICAL CURVE FACTOR	SW OR S/W	SIDEWALK
LBS	POUNDS	TAN	TANGENT
LF	LINEAR FEET	TB	THRUST BLOCK
LN	LANE	TBC	TOP BACK OF CURB
LP	LOW POINT	TFC	TOP FACE OF CURB
LT	LEFT	THD	THREADED
MAX	MAXIMUM	THK OR THICK	THICKNESS
MFR	MANUFACTURER	TYP	TYPICAL
MH	MANHOLE	UG	UNDERGROUND
MID	MIDDLE or MIDPOINT	UTIL	UTILITY
MIN	MINIMUM	VC	VERTICAL CURVE
MJ	MECHANICAL JOINT	VERT	VERTICAL
		W	WIDTH
		WI	WITH

MATERIALS LEGEND



SYMBOLS



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				
CTB FILE: ---				
PLOT DATE: January 23, 2020 11:06:47 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)

PREPARED BY:

SEAL

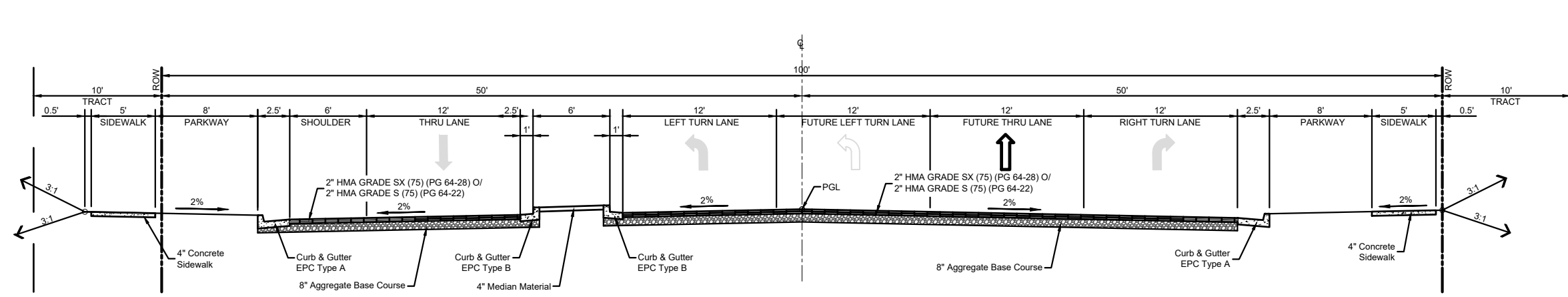
FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.
 PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE

FILING NO. 1
 ROADWAY & STORM IMPROVEMENT PLANS

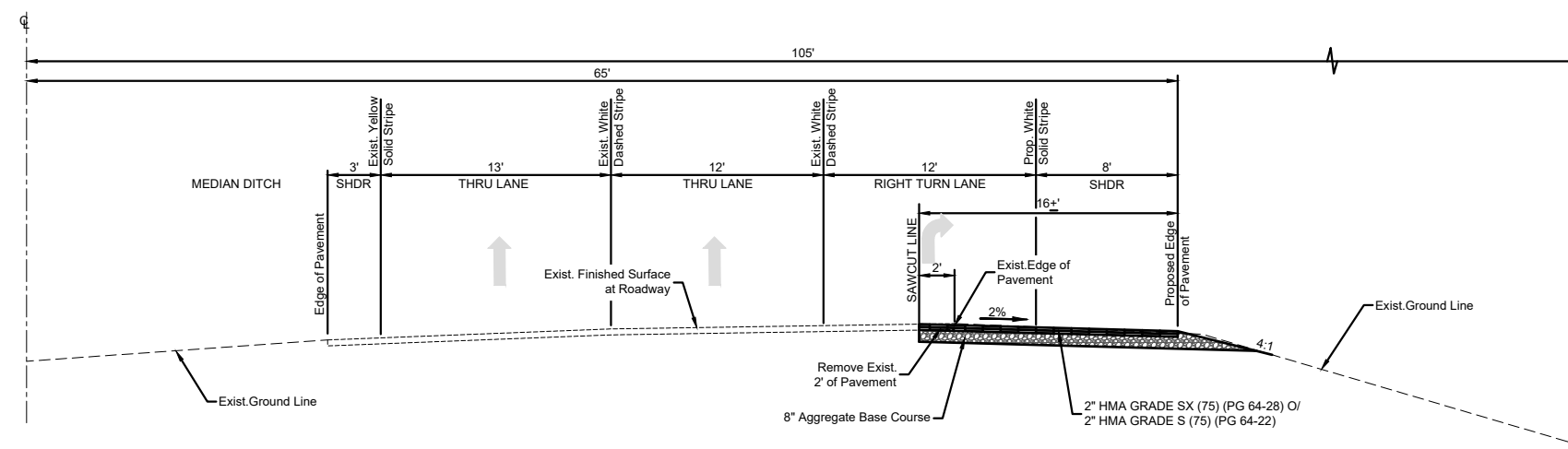
BRADLEY ROAD & LEGACY HILL DRIVE
 ROADWAY GENERAL NOTES

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

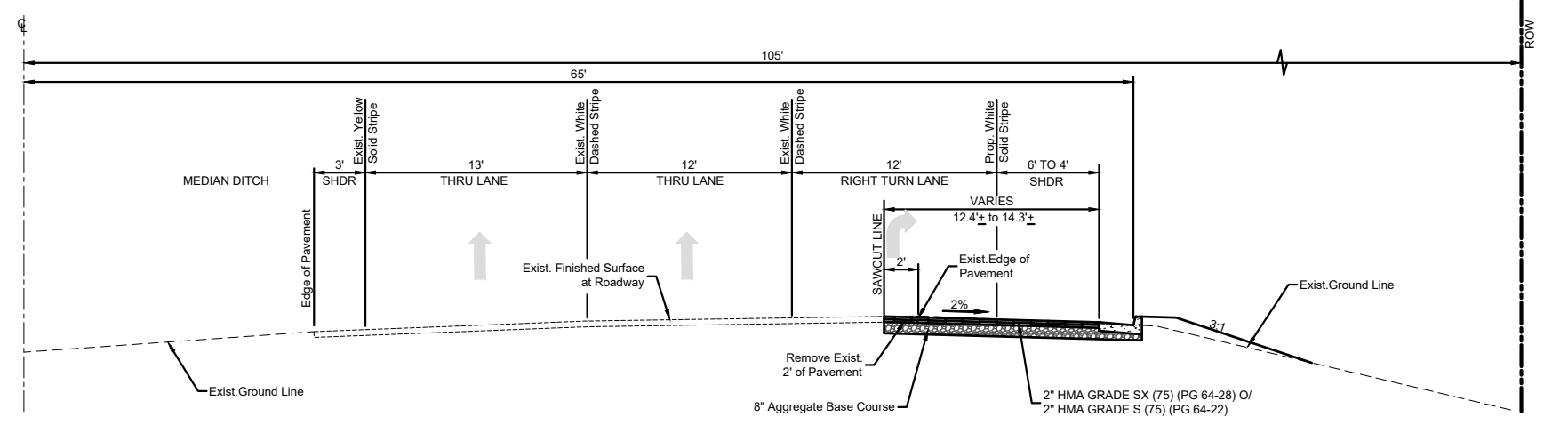


**TYPICAL SECTION
LEGACY HILL DRIVE**
STA. 3+12.49 to STA. 4+97.40
NOT TO SCALE

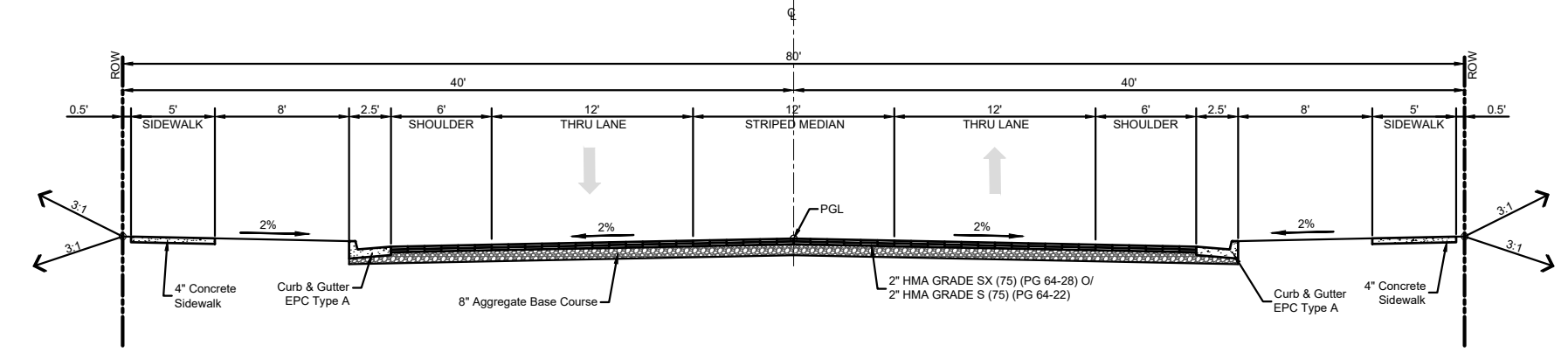
NOTE:
STA. 1+99.49 TO STA. 3+12.49 BRADLEY ROAD INTERSECTION
STA. 4+97.40 TO STA. 6+30.42 TRANSITION TO ROUNDABOUT.
STA. 6+30.42 TO STA. 9+15.38 SEE ROUNDABOUT LAYOUT PLAN.



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

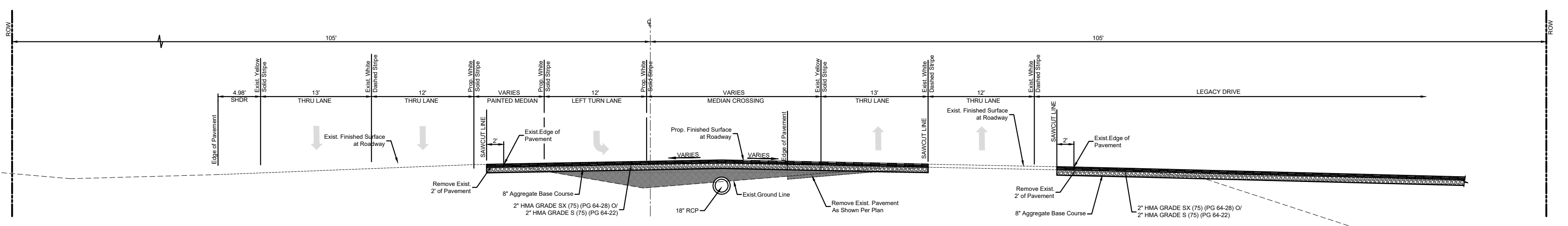


**TYPICAL SECTION
BRADLEY ROAD**
STA. 18+33.21 to STA. 19+40.91
STA. 31+87.58 to STA. 32+99.42
NOT TO SCALE

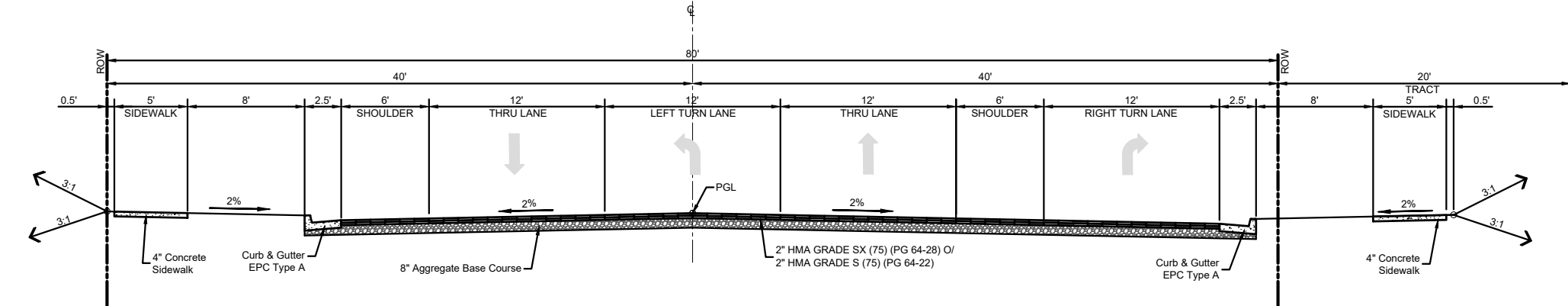


**TYPICAL SECTION
LEGACY HILL DRIVE**
STA. 9+63.29 to STA. 12+62.10
STA. 16+63.83 to STA. 20+50.35
STA. 24+09.88 to STA. 28+56.54
NOT TO SCALE

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.

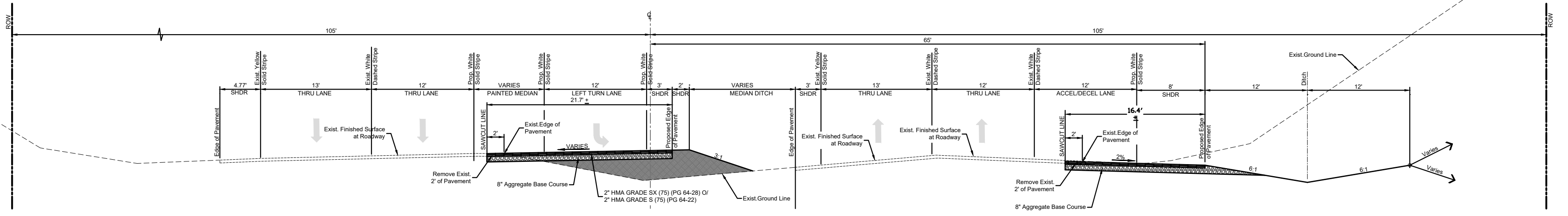


**TYPICAL SECTION
BRADLEY ROAD**
STA. 20+60.48 to STA. 21+18.46
NOT TO SCALE



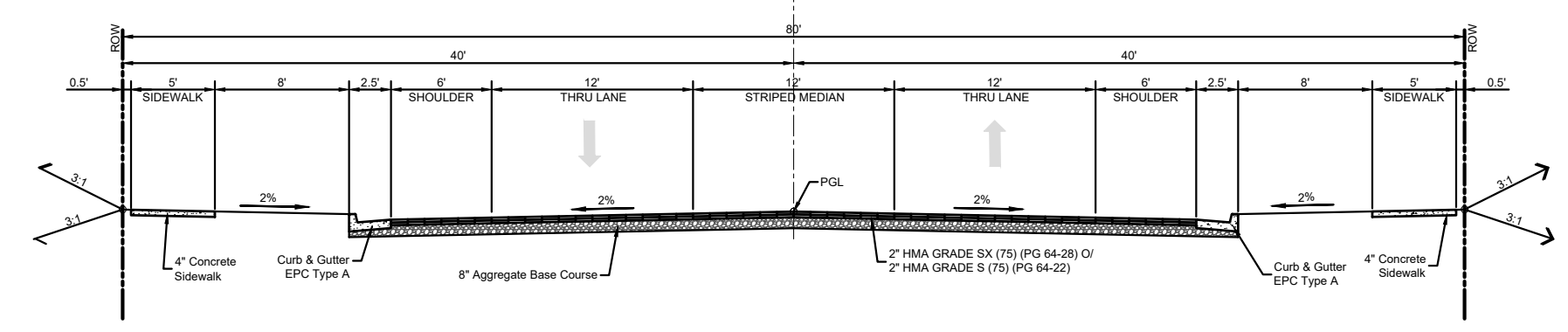
**TYPICAL SECTION
LEGACY HILL DRIVE**
STA. 14+30.70 to STA. 15+73.65
STA. 21+91.67 to STA. 23+31.77
STA. 29+56.54 to STA. 30+50.00
NOT TO SCALE

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. 29+56.54 TO STA. 29+41.97 BIG JOHNSON DRIVE INTERSECTION.



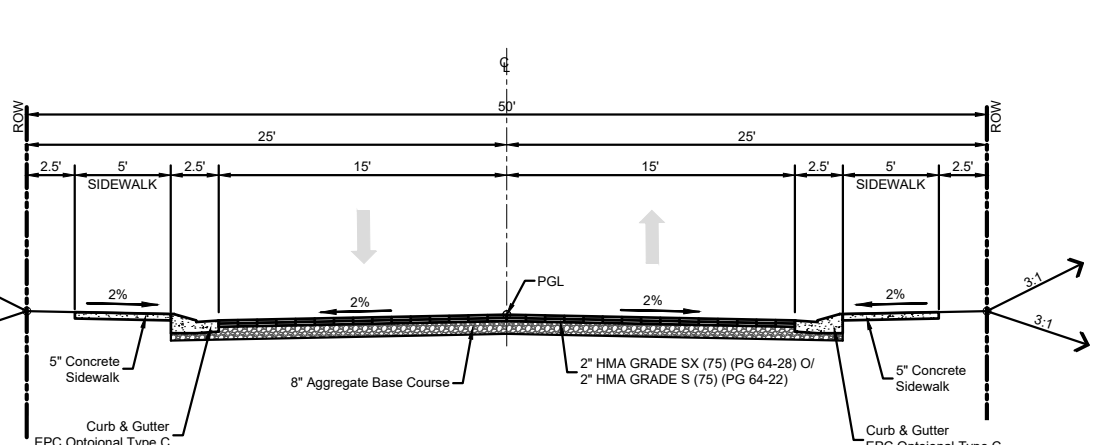
**TYPICAL SECTION
BRADLEY ROAD**
STA. 21+18.46 to STA. 29+74.97
NOT TO SCALE

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

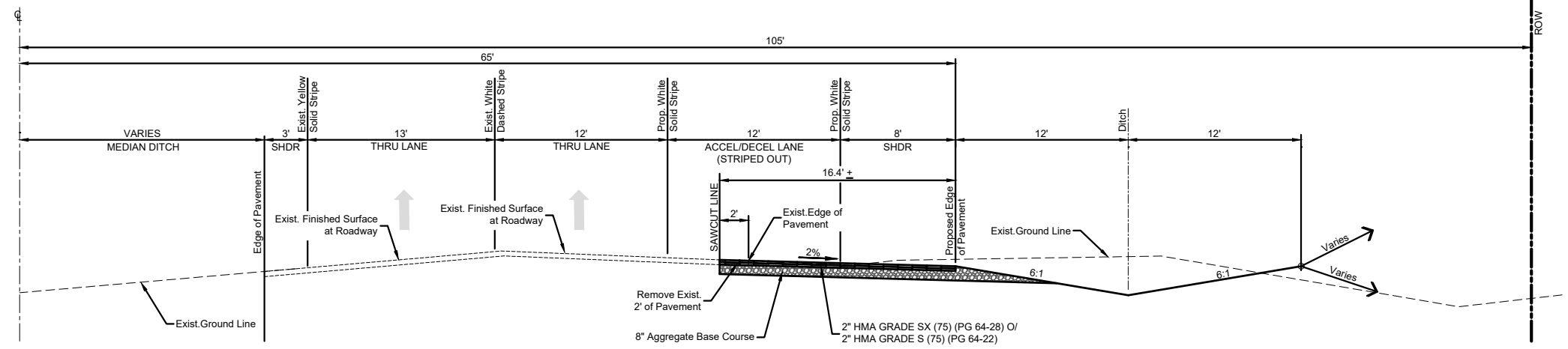


**TYPICAL SECTION
FRONTSIDE DRIVE**
STA. 27+86.86 to STA. 30+16.70
STA. 34+00.32 to STA. 36+87.12
NOT TO SCALE

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
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

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\TY01.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 11:07:29 AM			
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COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
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ELEVATION - 5897.89' U.S. SURVEY FT

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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

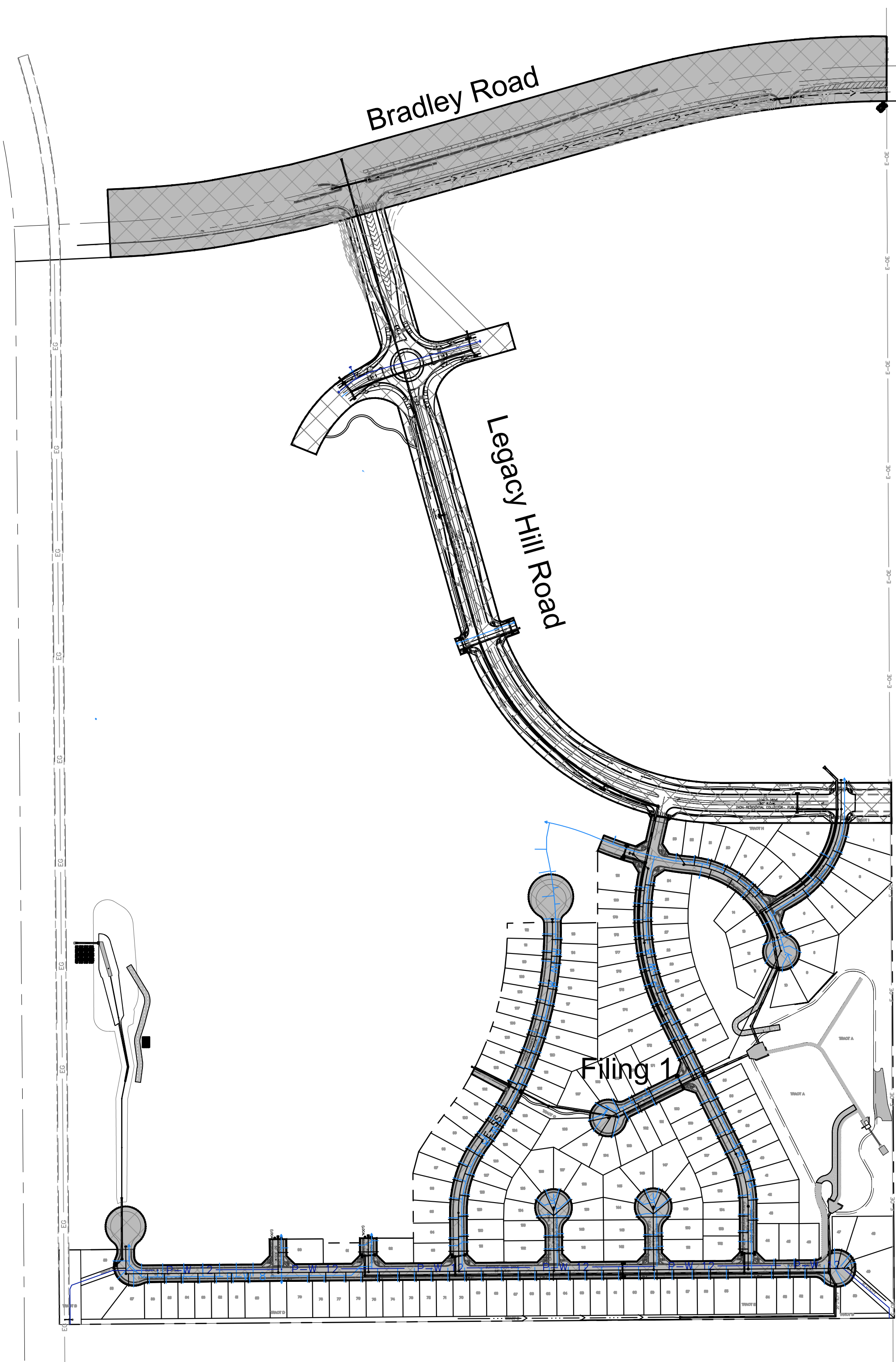
FILING NO. 1
ROADWAY & STORM IMPROVEMENT PLANS

TYPICAL SECTIONS

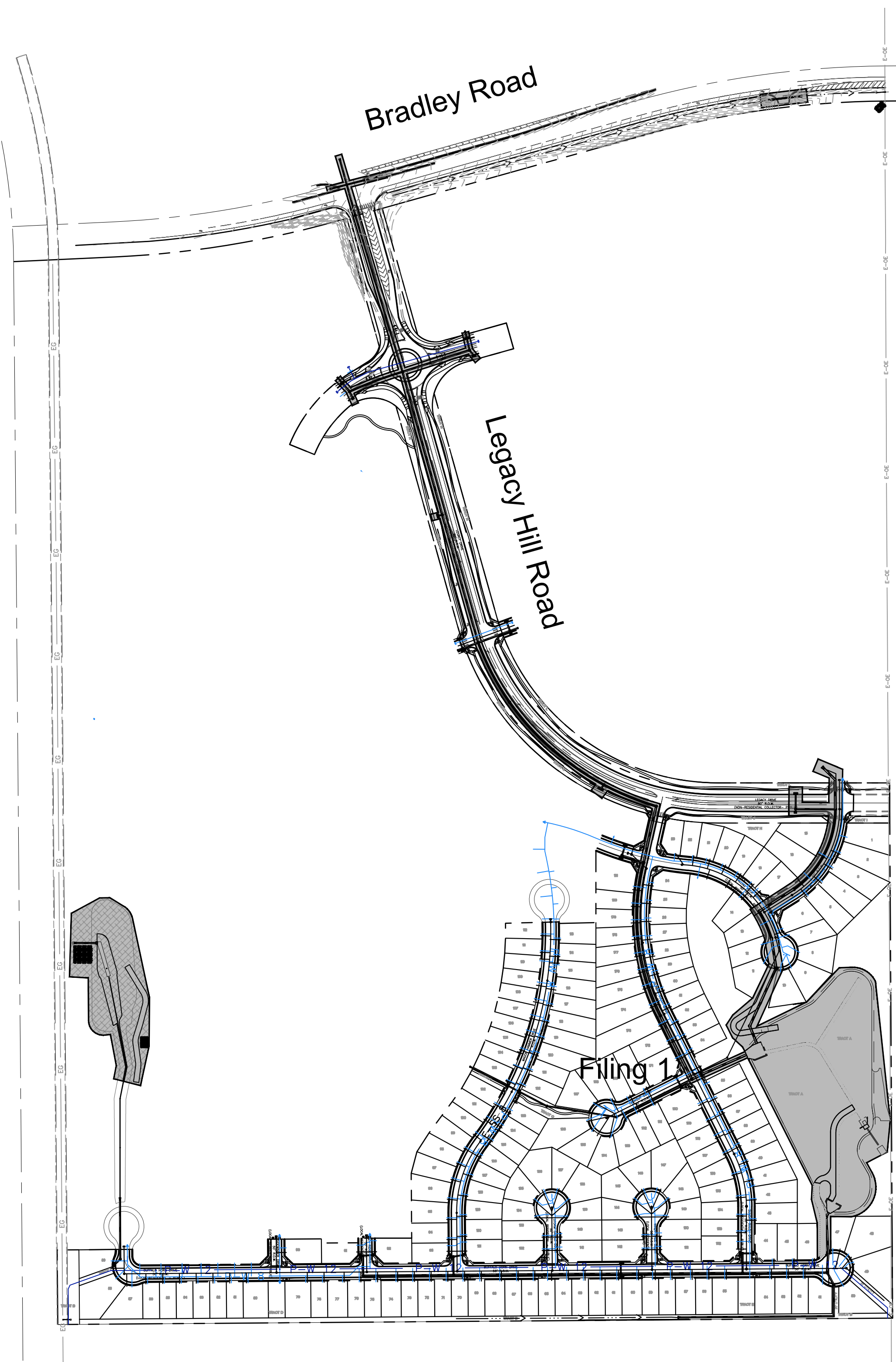
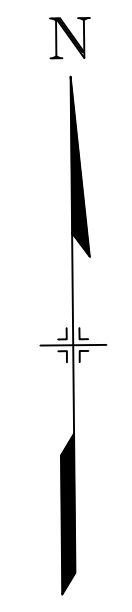
DESIGNED BY: NMS	SCALE: HORIZ. N/A	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. TY01
CHECKED BY: NMS	VERT. N/A	SHEET 3 OF 73	



Know what's below.
Call before you dig.



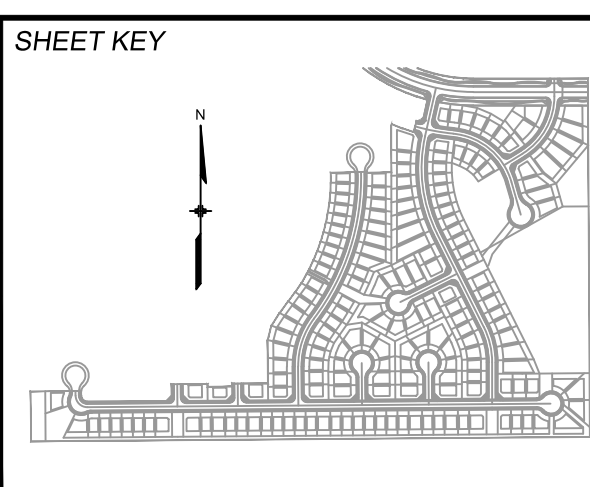
ROADWAY IMPROVEMENTS



STORM IMPROVEMENTS

EPC 2/13/2020

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\FAE01-02.dwg			
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PLOT DATE: January 23, 2020 11:08:09 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.
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PREPARED BY:

SEAL

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



Know what's below.
Call before you dig.

NOTE:
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.

Bradley Road-Recoverable		
ROADWAY IMPROVEMENTS		
Description	Quantity	Unit
Aggregate Base Course (8" thick) (135 lbs/cf)	1,821	CY
Asphalt Pavement (4" thick)	7,885	SY
Raised Median, Paved	140	SF
Regulatory Sign/Advisory Sign	6	EA
Guide/Street Name Sign	4	EA
Epoxy Pavement Marking	2,747	SF
Thermoplastic Pavement Marking	362	SF
Curb and Gutter, Type A (6" Vertical)	462	LF
Curb and Gutter, Type B (Median)	74	LF
Curb and Gutter, Type C (Ramp)	11	LF
4" Sidewalk		SY
Pedestrian Ramp	2	EA
STORM DRAIN IMPROVEMENTS		
18" Reinforced Concrete Pipe	241	LF
24" Reinforced Concrete Pipe	178	LF
Flared End Section (FES) RCP Size = 18"	3	EA
Flared End Section (FES) RCP Size = 24"	1	EA
Grated Inlet (Type C), Depth < 5'	1	EA
Storm Sewer Manhole, Box Base	2	EA
Rip Rap, d50 size from 6" to 24"	11	Tons

Legacy Hill Road Recoverable		
ROADWAY IMPROVEMENTS		
Description	Quantity	Unit
Aggregate Base Course (8" thick)	5,124	CY
Asphalt Pavement (4" thick)	21,296	SY
Raised Median, Paved	5,999	SF
Regulatory Sign/Advisory Sign	39	EA
Guide/Street Name Sign	14	EA
Epoxy Pavement Marking	4,026	SF
Thermoplastic Pavement Marking	1,071	SF
Barricade - Type 3		EA
Curb and Gutter, Type A (6" Vertical)	6,865	LF
Curb and Gutter, Type B (Median)	1,366	LF
Curb and Gutter, Type C (Ramp)	41	LF
4" Sidewalk (common areas only)	3,121	SY
Pedestrian Ramp	35	EA
STORM DRAIN IMPROVEMENTS		
18" Reinforced Concrete Pipe	182	LF
24" Reinforced Concrete Pipe	759	LF
30" Reinforced Concrete Pipe	1,051	LF
42" Reinforced Concrete Pipe	777	LF
48" Reinforced Concrete Pipe	185	LF
Flared End Section (FES) RCP Size = 48"	1	EA
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	3	EA
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'	3	EA
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'	2	EA
Storm Sewer Manhole, Slab Base	11	EA
WATER SYSTEM IMPROVEMENTS		
Water Main Pipe (PVC), Size 8"		LF
Water Main Pipe (PVC), Size 12"		LF
Gate Valves, 8"		EA
Gate Valves, 12"		EA
SANITARY SEWER IMPROVEMENTS		
Sewer Main Pipe (PVC), Size 8"		LF
Sanitary Sewer Manhole, Depth < 15 feet		EA

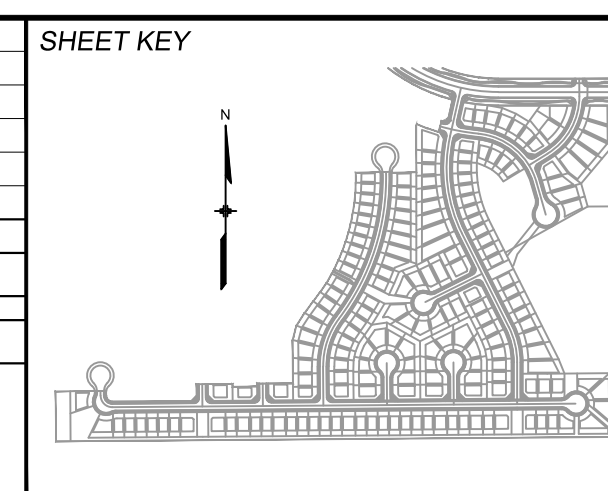
Legacy Hill Road Non-Recoverable		
ROADWAY IMPROVEMENTS		
Description	Quantity	Unit
Aggregate Base Course (8" thick)		CY
Asphalt Pavement (4" thick)		SY
Raised Median, Paved		SF
Regulatory Sign/Advisory Sign	12	EA
Guide/Street Name Sign	14	EA
Epoxy Pavement Marking		SF
Thermoplastic Pavement Marking		SF
Barricade - Type 3	18	EA
Curb and Gutter, Type A (6" Vertical)		LF
Curb and Gutter, Type B (Median)		LF
Curb and Gutter, Type C (Ramp)		LF
4" Sidewalk (common areas only)		SY
Pedestrian Ramp		EA
STORM DRAIN IMPROVEMENTS		
18" Reinforced Concrete Pipe	77	LF
24" Reinforced Concrete Pipe	41	LF
30" Reinforced Concrete Pipe	151	LF
42" Reinforced Concrete Pipe		LF
48" Reinforced Concrete Pipe		LF
Flared End Section (FES) RCP Size = 48"		EA
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	1	EA
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'	3	EA
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'		EA
Storm Sewer Manhole, Slab Base	2	EA
WATER SYSTEM IMPROVEMENTS		
Water Main Pipe (PVC), Size 8"	351	LF
Water Main Pipe (PVC), Size 12"	1,207	LF
Gate Valves, 8"	3	EA
Gate Valves, 12"	5	EA
SANITARY SEWER IMPROVEMENTS		
Sewer Main Pipe (PVC), Size 8"	404	LF
Sanitary Sewer Manhole, Depth < 15 feet	2	EA

Filing 1 Recoverable		
ROADWAY IMPROVEMENTS		
Description	Quantity	Unit
Aggregate Base Course (8" thick)		CY
Asphalt Pavement (4" thick)		SY
Regulatory Sign/Advisory Sign		EA
Guide/Street Name Sign		EA
Epoxy Pavement Marking		SF
Thermoplastic Pavement Marking		SF
Barricade - Type 3		EA
Curb and Gutter, Type A (6" Vertical)		LF
Curb and Gutter, Type C (Ramp)		LF
4" Sidewalk (common areas only)		SY
Pedestrian Ramp		EA
STORM DRAIN IMPROVEMENTS		
18" Reinforced Concrete Pipe		LF
24" Reinforced Concrete Pipe		LF
30" Reinforced Concrete Pipe		LF
36" Reinforced Concrete Pipe		LF
42" Reinforced Concrete Pipe	145	LF
48" Reinforced Concrete Pipe	1,590	LF
Flared End Section (FES) RCP Size = 30"		EA
Flared End Section (FES) RCP Size = 24"		EA
End Treatment- Headwall		EA
End Treatment- Window		EA
End Treatment - Cutoff Wall		EA
Curb Inlet (Type R) L=5', Depth < 5'		EA
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		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'	2	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'		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'	1	EA
Grated Inlet (Type D), Depth < 5'		EA
Storm Sewer Manhole, Box Base		EA
Storm Sewer Manhole, Slab Base	9	EA
Rip Rap, d50 size from 6" to 24"	5,542	TN
Drainage Channel Lining, Concrete	187	CY
Drainage Micropool	1	EA
Drainage Forebay	2	EA
Drainage Sand Filter Basin	1	EA
WATER SYSTEM IMPROVEMENTS		
Water Main Pipe (PVC), Size 8"		LF
Water Main Pipe (PVC), Size 12"		LF
Gate Valves, 8"		EA
Gate Valves, 12"		EA
Fire Hydrant Assembly, w/ all valves		EA
Water Service Line Installation, inc. tap and valves		EA
SANITARY SEWER IMPROVEMENTS		
Sewer Main Pipe (PVC), Size 8"		LF
Sanitary Sewer Manhole, Depth < 15 feet		EA
Sanitary Service Line Installation, complete		EA

Filing 1 Non-Recoverable		
ROADWAY IMPROVEMENTS		
Description	Quantity	Unit
Aggregate Base Course (8" thick)	6,618	CY
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- Window		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
Rip 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

EPC 2/13/2020

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\FAE01-02.dwg			
CTB FILE: ---			
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PREPARED BY:

SEAL

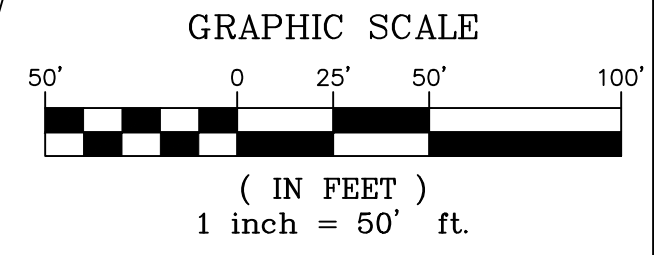
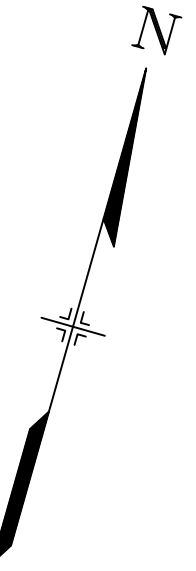
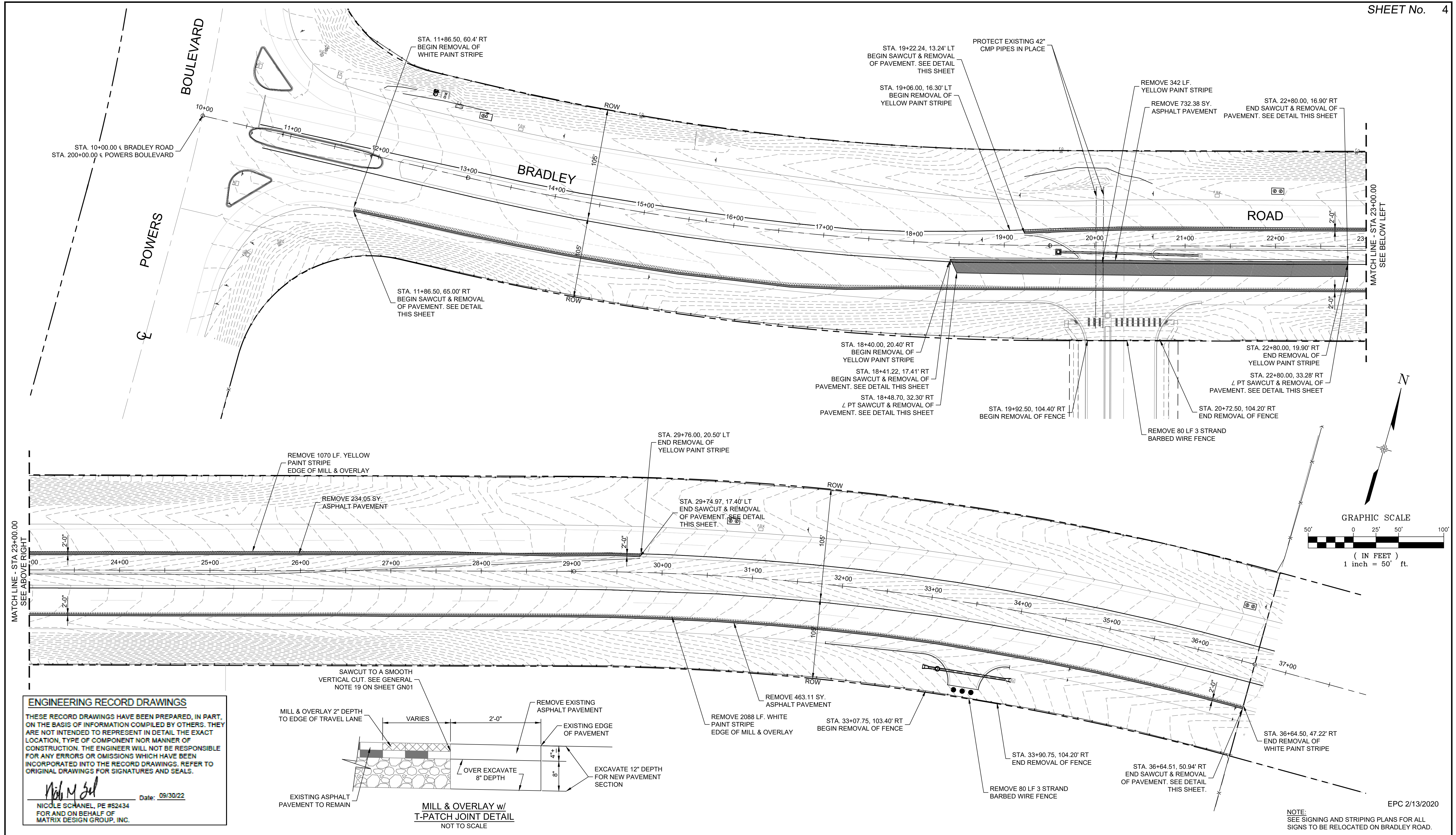
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PROJECT No. 19.886.011

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ROADWAY & STORM IMPROVEMENT PLANS

FINANCIAL ASSURANCE ESTIMATE

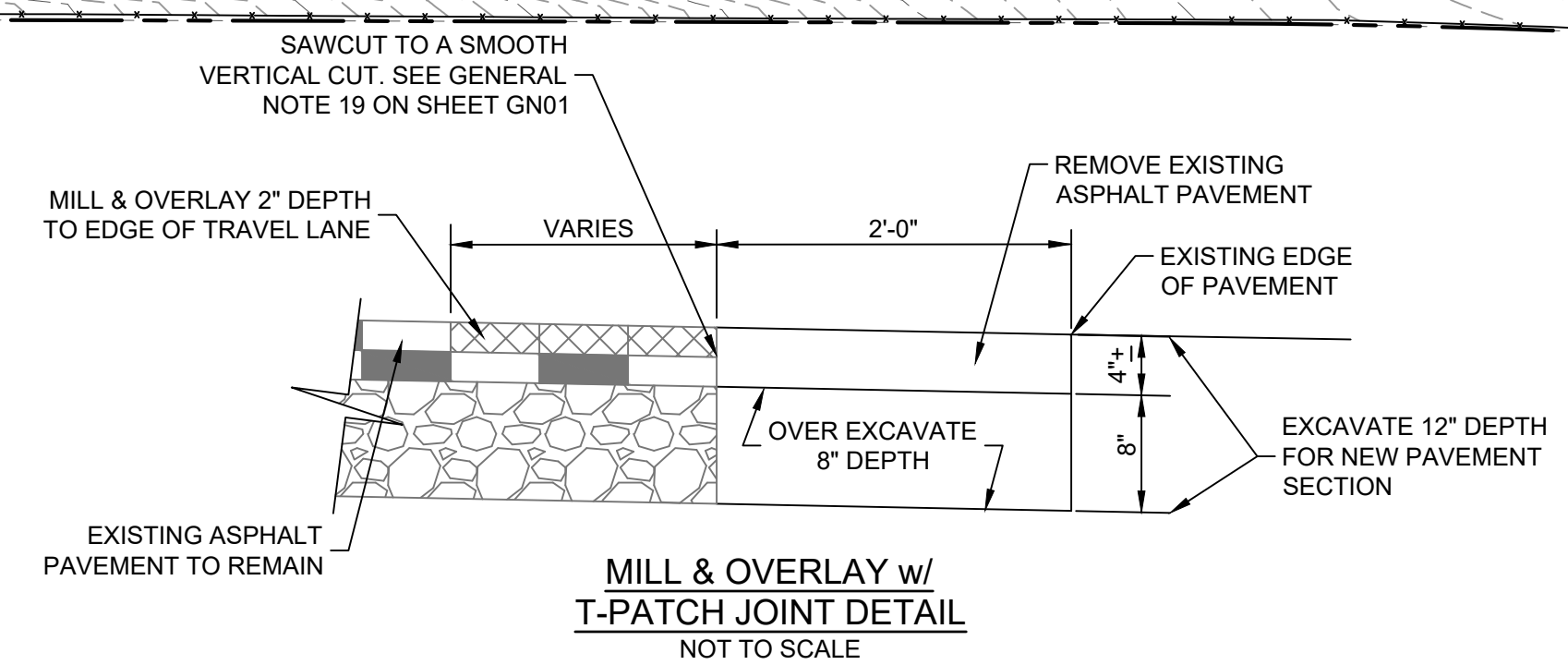
DESIGNED BY: NMS	SCALE: 1" = 250'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No.
DRAWN BY: MH	HORIZ. N/A	SHEET 38 OF 73	FAE-02
CHECKED BY: MH	VERT. N/A		



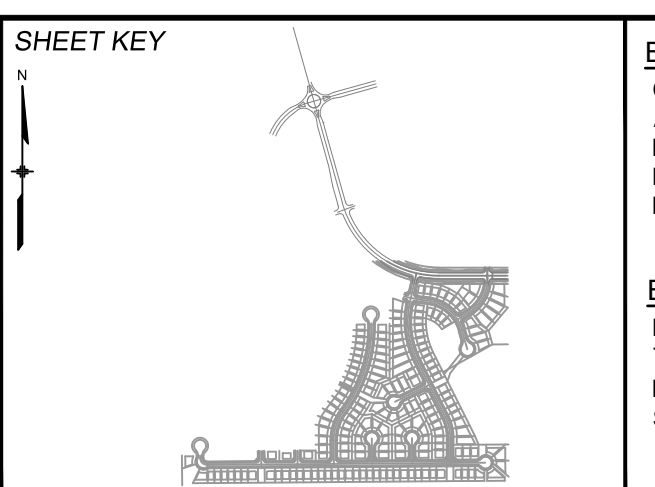
ENGINEERING RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS. REFER TO ORIGINAL DRAWINGS FOR SIGNATURES AND SEALS.

Nicole Schanel
Date: 09/30/22
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.



REFERENCE DRAWINGS	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\RM01-Bradley Road.dwg				
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 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 PROJECT DEMOLITION

DESIGNED BY: NMS
DRAWN BY: TJC
CHECKED BY: NMS

SCALE: HORIZ 1" = 50'
VERT. N.A.

DATE ISSUED: SEPTEMBER, 2019
SHEET 4 OF 73

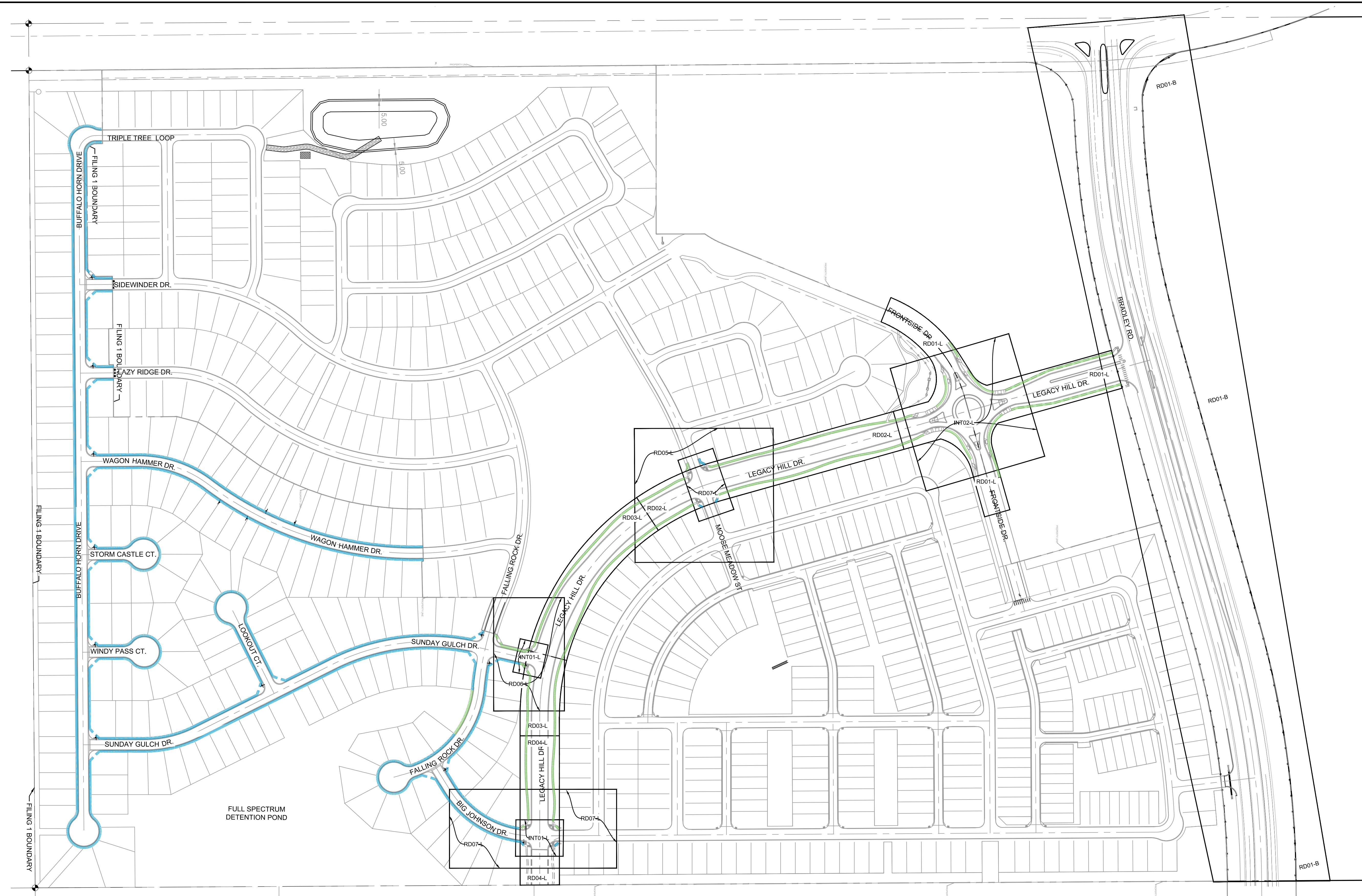
DRAWING No. RM01-B

EPC 2/13/2020

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

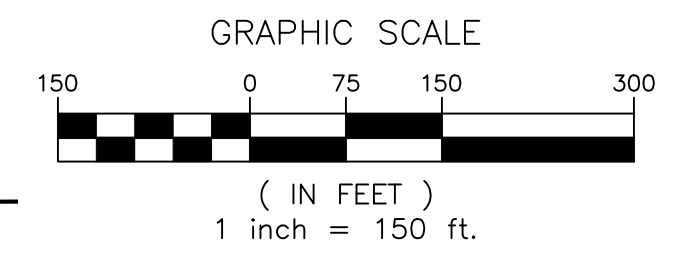


Know what's below.
Call before you dig.



LEGEND

- 4" CONCRETE DEPTH —
- 5" CONCRETE DEPTH —



EPC 2/13/2020

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
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CTB FILE: ---			
PLOT DATE: January 23, 2020 11:11:50 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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PREPARED BY:

SEAL

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

TRAILS AT ASPEN RIDGE

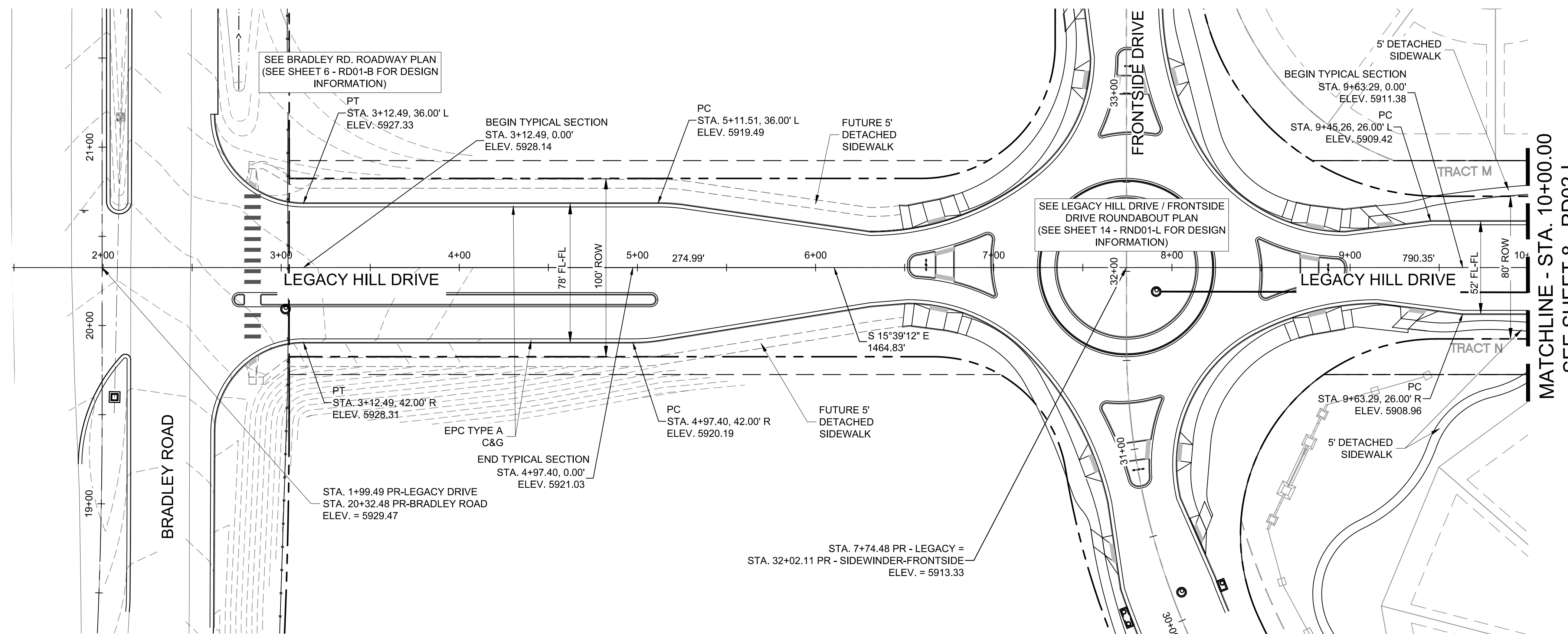
FILING NO. 1
 ROADWAY & STORM IMPROVEMENT PLANS

ROAD SHEET KEY/ SIDEWALK EXHIBIT

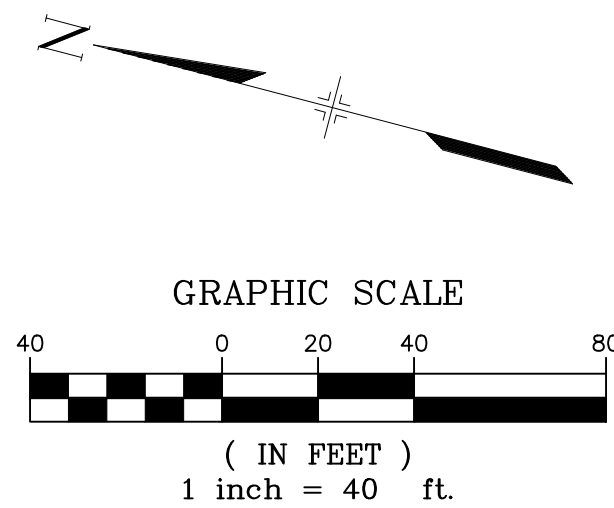
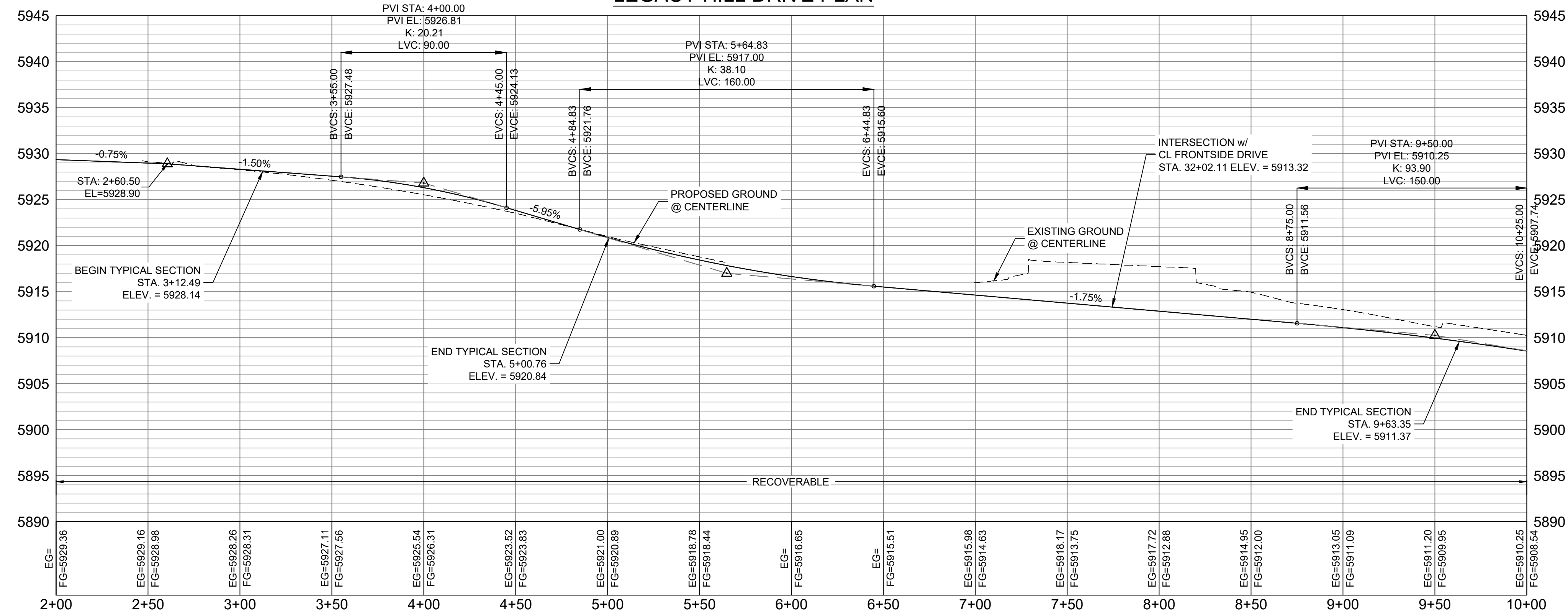
DESIGNED BY: KMZ	SCALE: HORIZ 1" = 150'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No.
CHECKED BY: NMS	VERT. N.A.	SHEET 5 OF 73	RDX1-B



Know what's below.
Call before you dig.



LEGACY HILL DRIVE PLAN



MATCHLINE - STA. 10+00.00
SEE SHEET 8 - RD02-L

ENGINEERING RECORD DRAWINGS

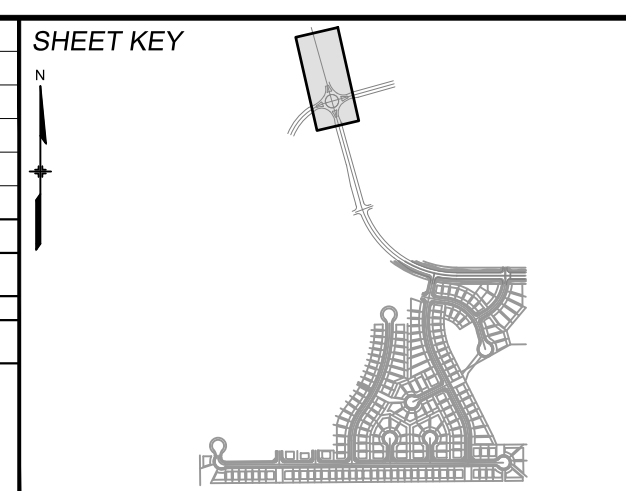
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Nicole Schanel
Date: 09/30/22

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

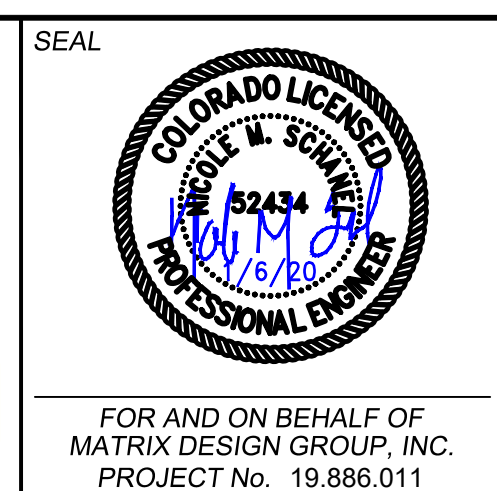
EPC 2/13/2020

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			
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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TRAILS AT ASPEN RIDGE

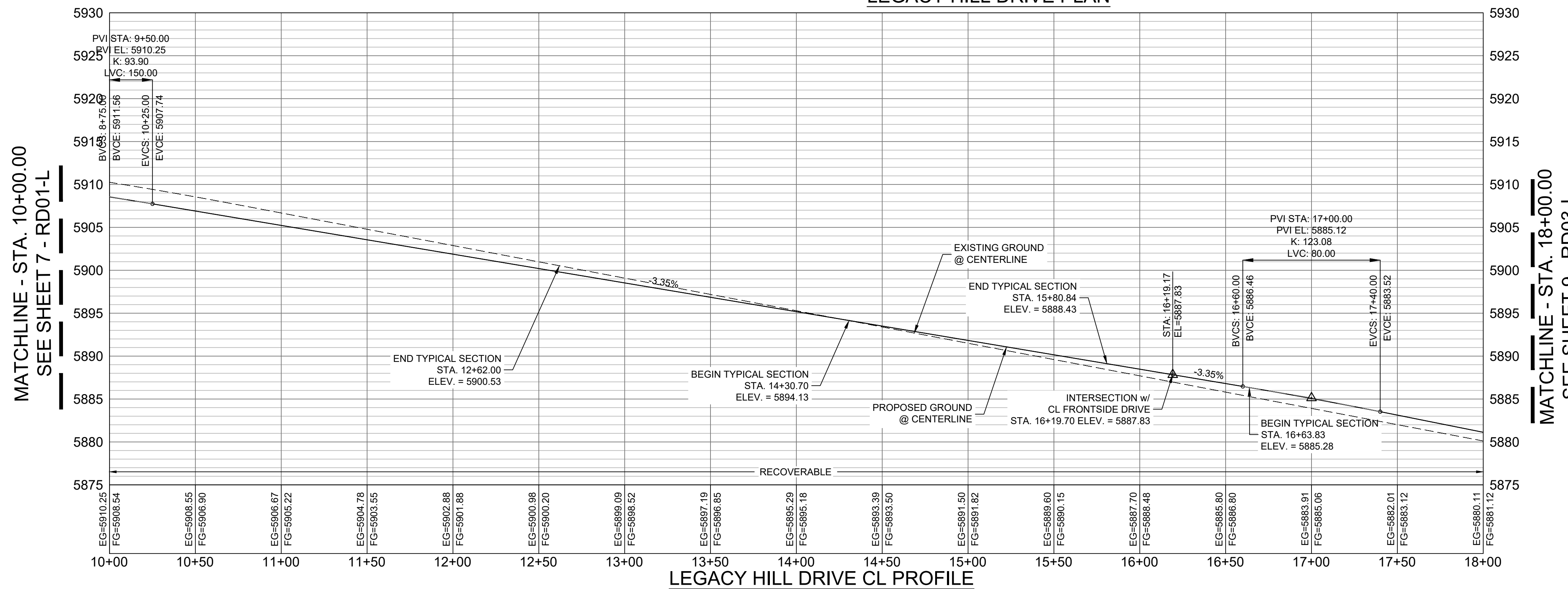
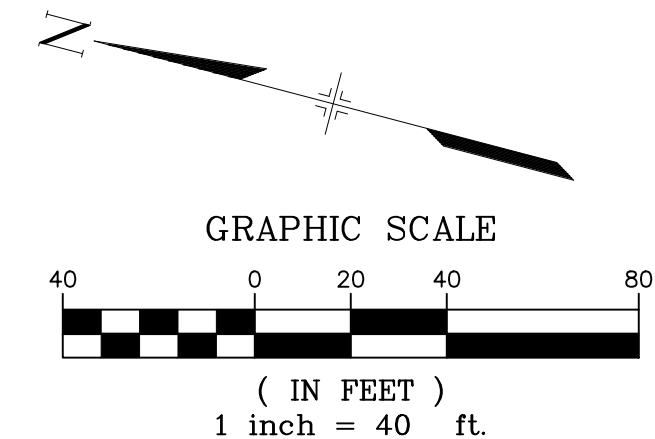
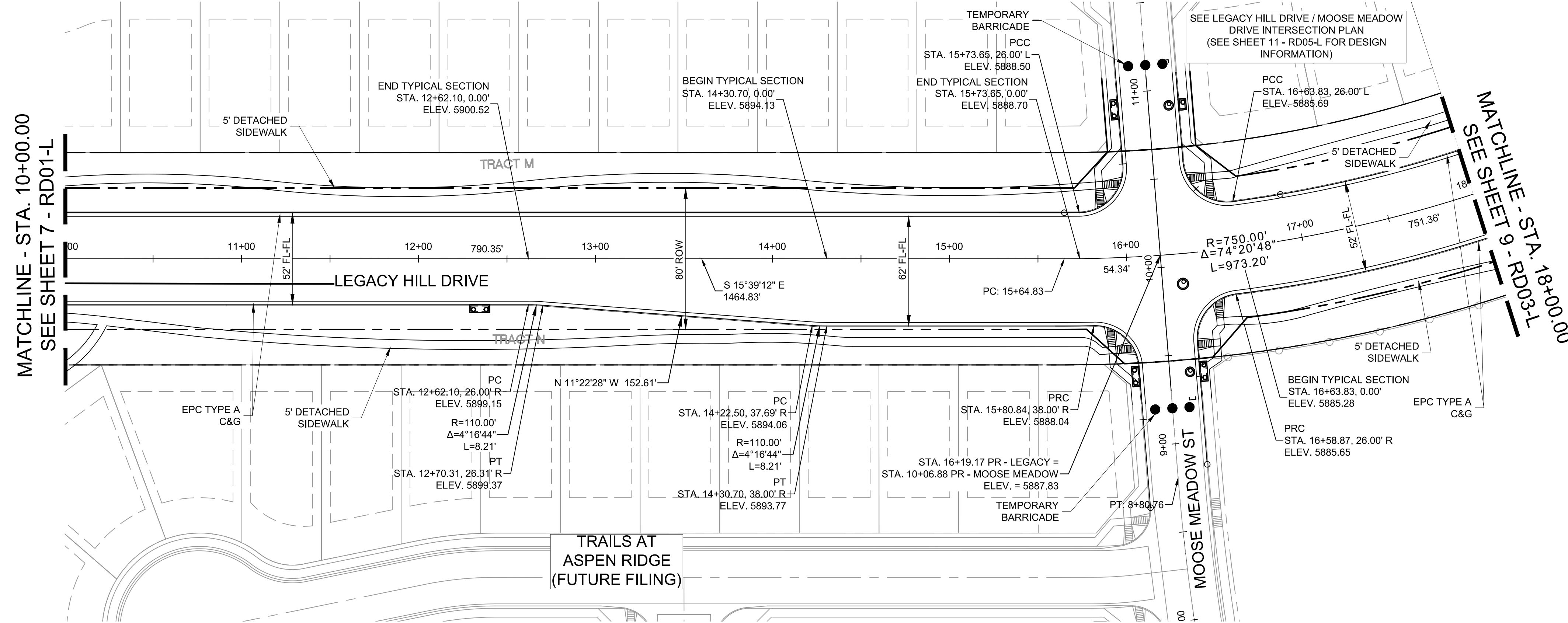
FILING NO. 1
ROADWAY & STORM IMPROVEMENT PLANS

**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	



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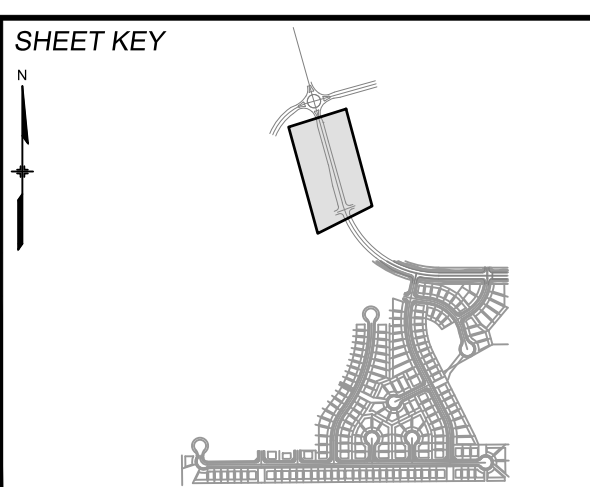
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Nicole Schanel
Date: 09/30/22
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.

EPC 2/13/2020

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 11:15:51 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.
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TRAILS AT ASPEN RIDGE

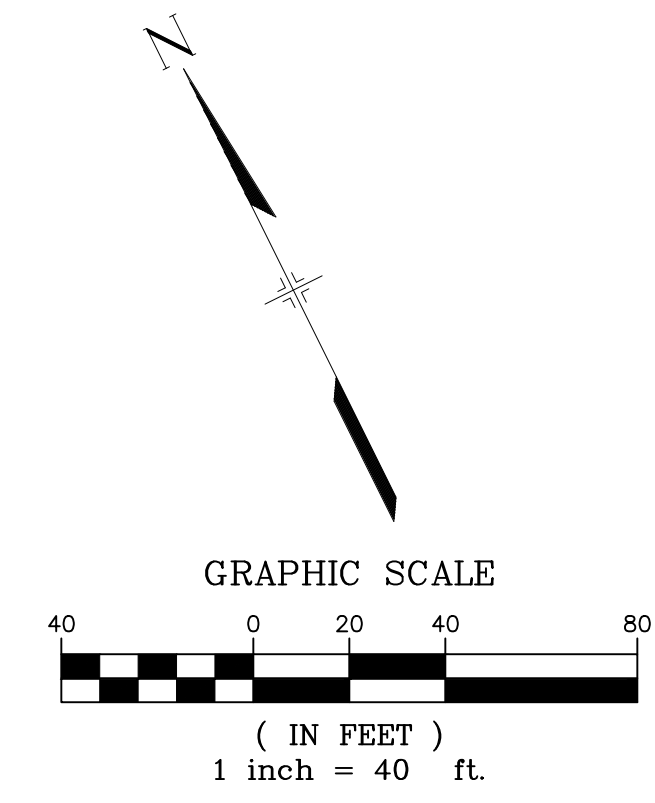
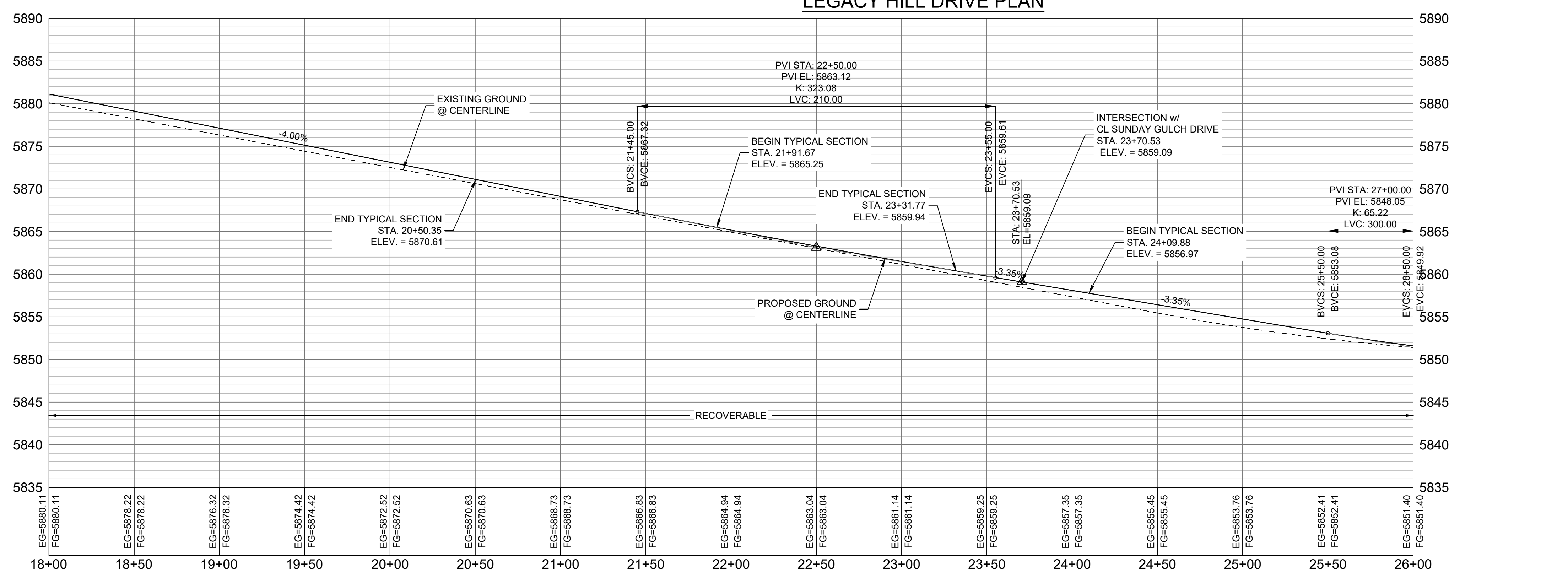
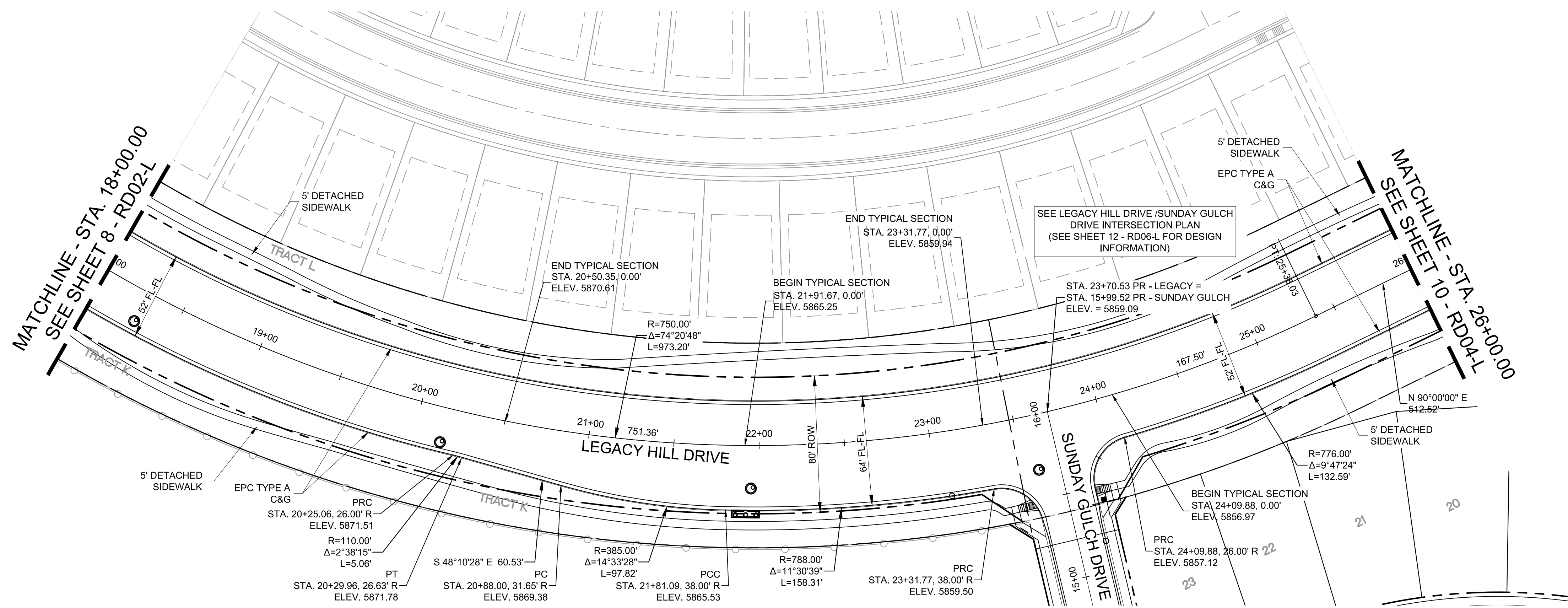
FILING NO. 1
ROADWAY & STORM IMPROVEMENT PLANS

**LEGACY HILL DRIVE
PLAN & PROFILE**

DESIGNED BY: NMS	SCALE: 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RD02-L
DRAWN BY: TJC	HORIZ: 1" = 40'	SHEET 8 OF 73	
CHECKED BY: NMS	VERT: 1" = 8'		



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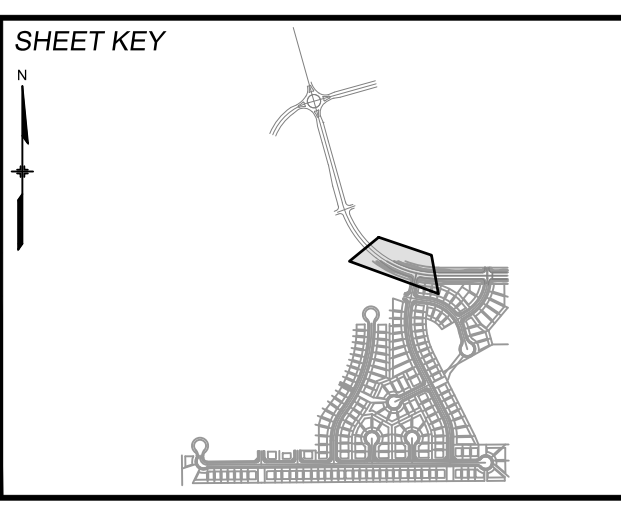
ENGINEERING RECORD DRAWINGS

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Nicole Schanel
Date: 09/30/22
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.

EPC 2/13/2020

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 11:15:56 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.
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TRAILS AT ASPEN RIDGE

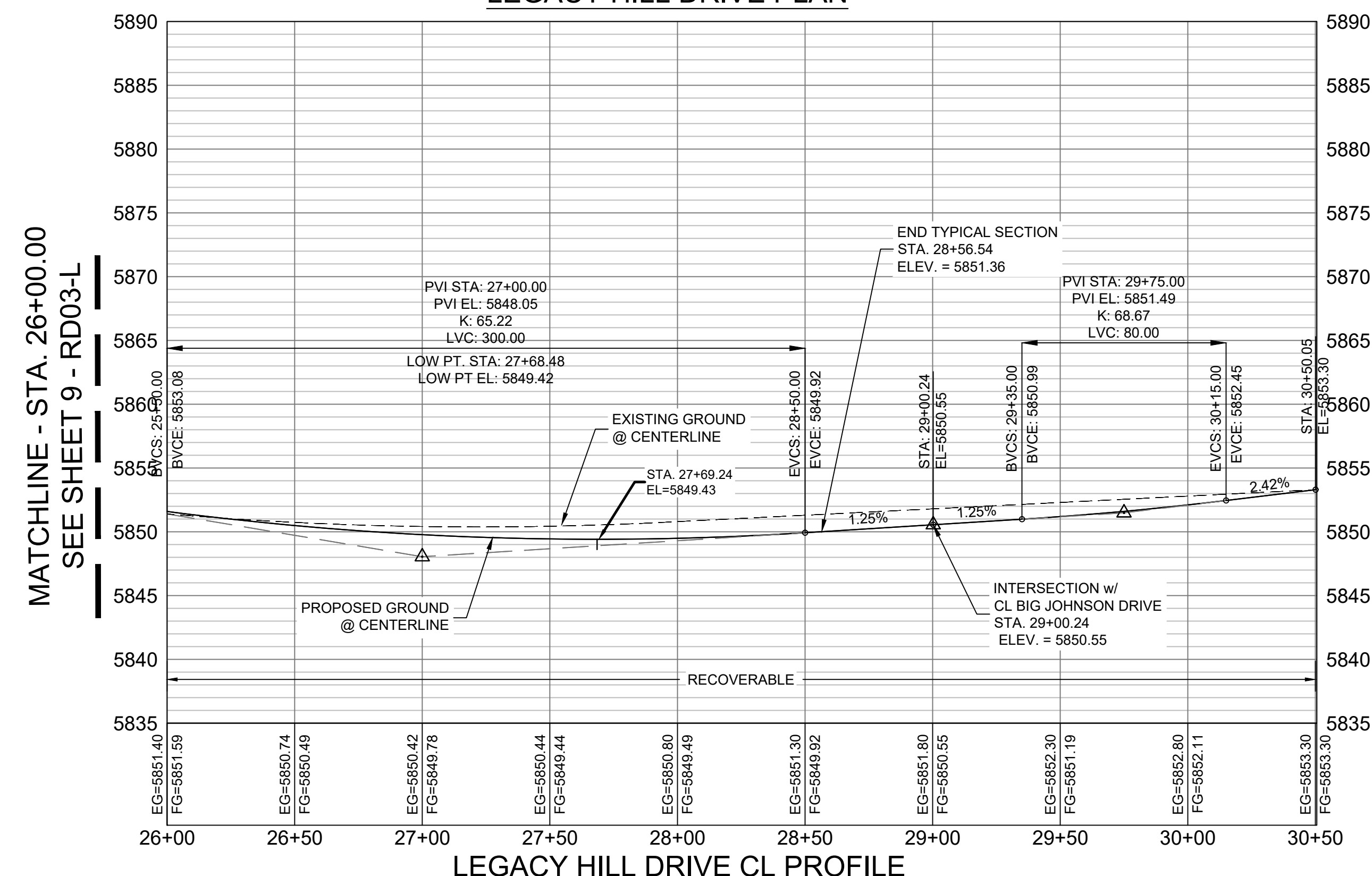
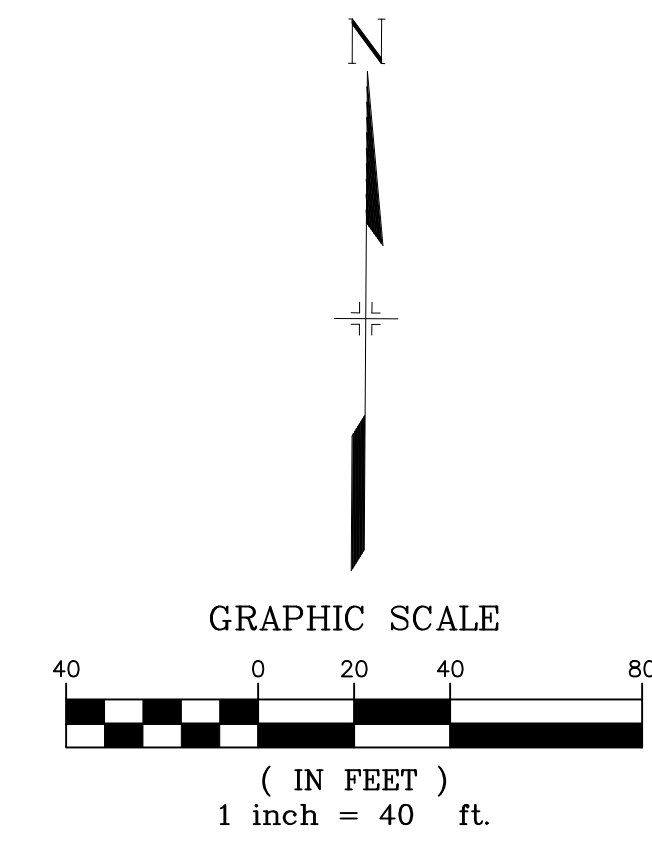
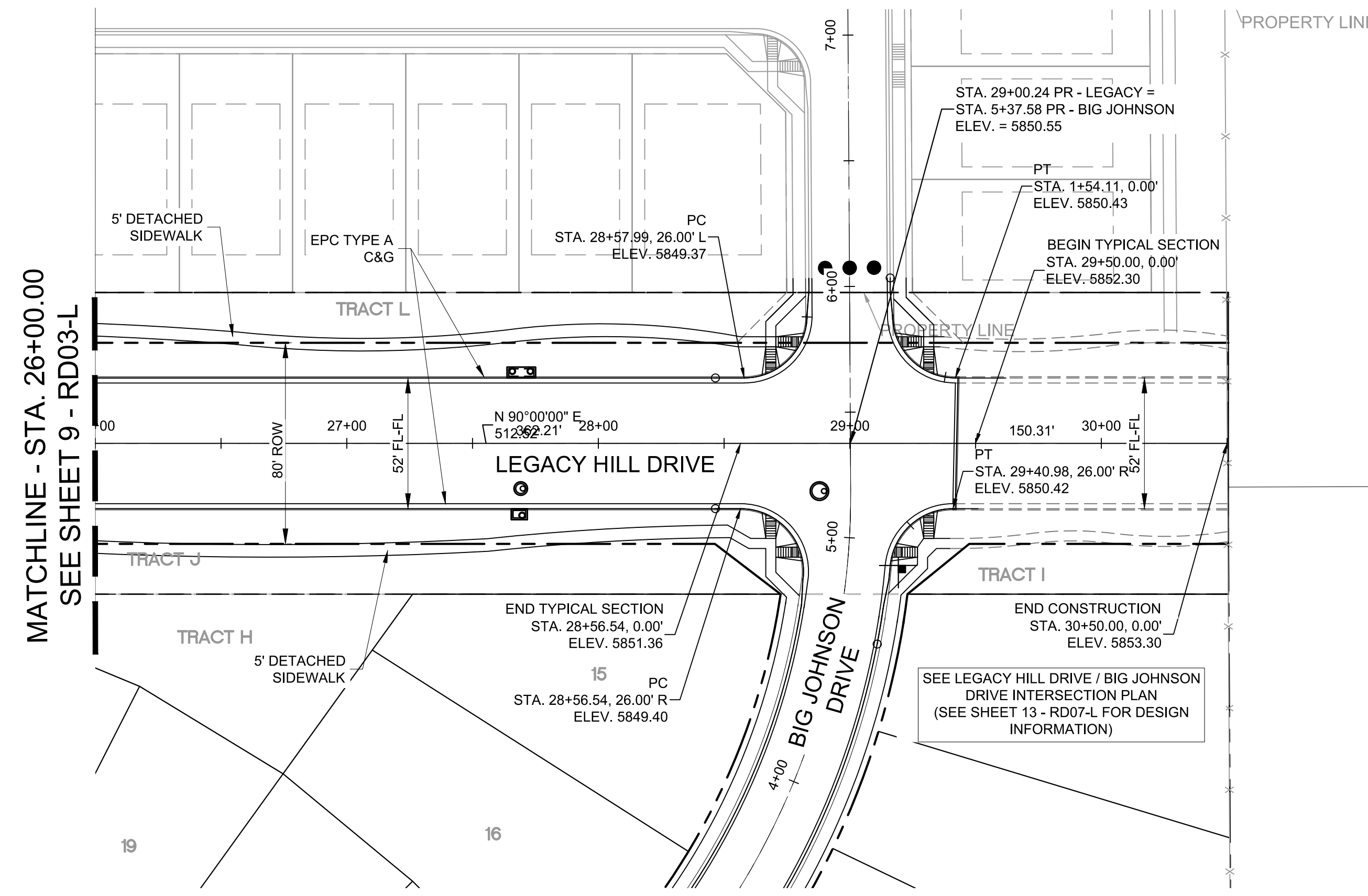
FILING NO. 1
ROADWAY & STORM IMPROVEMENT PLANS

**LEGACY HILL DRIVE
PLAN & PROFILE**

DESIGNED BY: NMS	SCALE: 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RD03-L
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 9 OF 73	



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ENGINEERING RECORD DRAWINGS

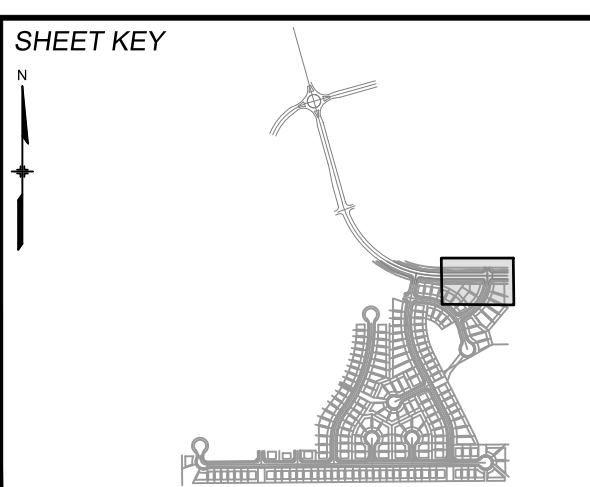
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Nicole Schanel
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.

Date: 09/30/22

EPC 2/13/2020

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 11:16:00 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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PREPARED BY:

Matrix
DESIGN GROUP



TRAILS AT ASPEN RIDGE

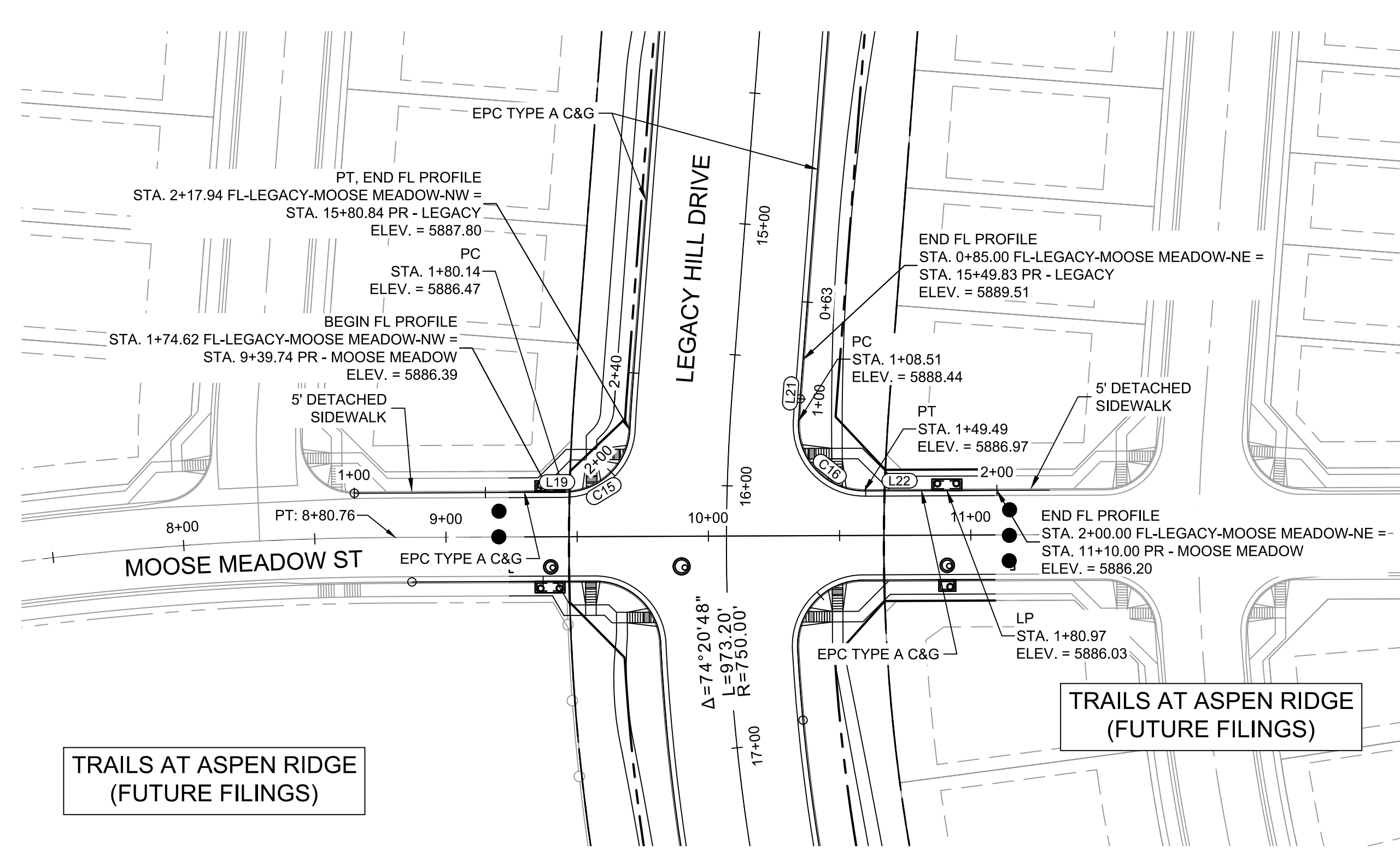
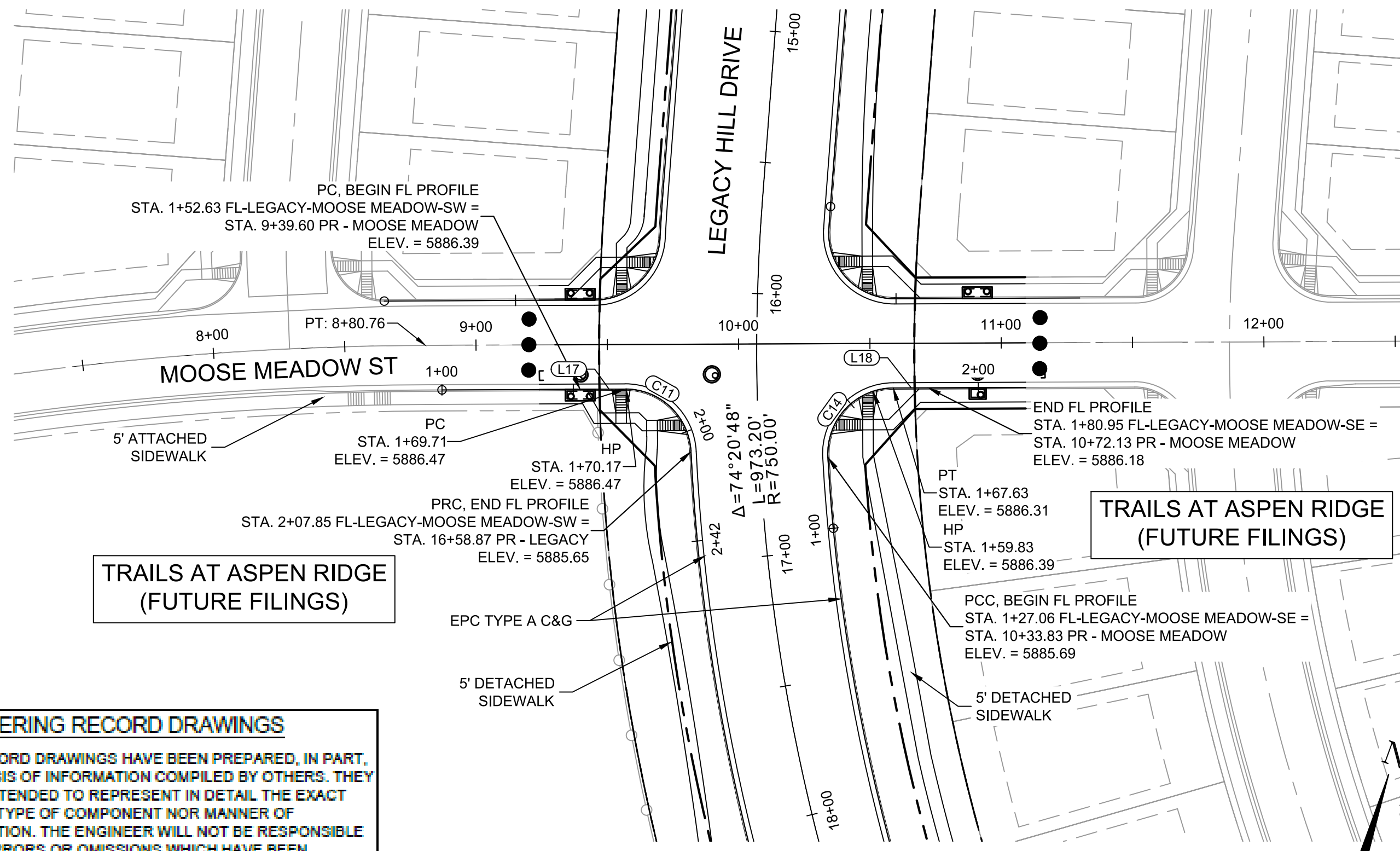
FILING NO. 1
ROADWAY & STORM IMPROVEMENT PLANS

**LEGACY HILL DRIVE
PLAN & PROFILE**

DESIGNED BY: NMS	SCALE: TJC	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RD04-L
CHECKED BY: NMS	HORIZ: 1" = 40'	SHEET 10 OF 73	
	VERT: 1" = 8'		

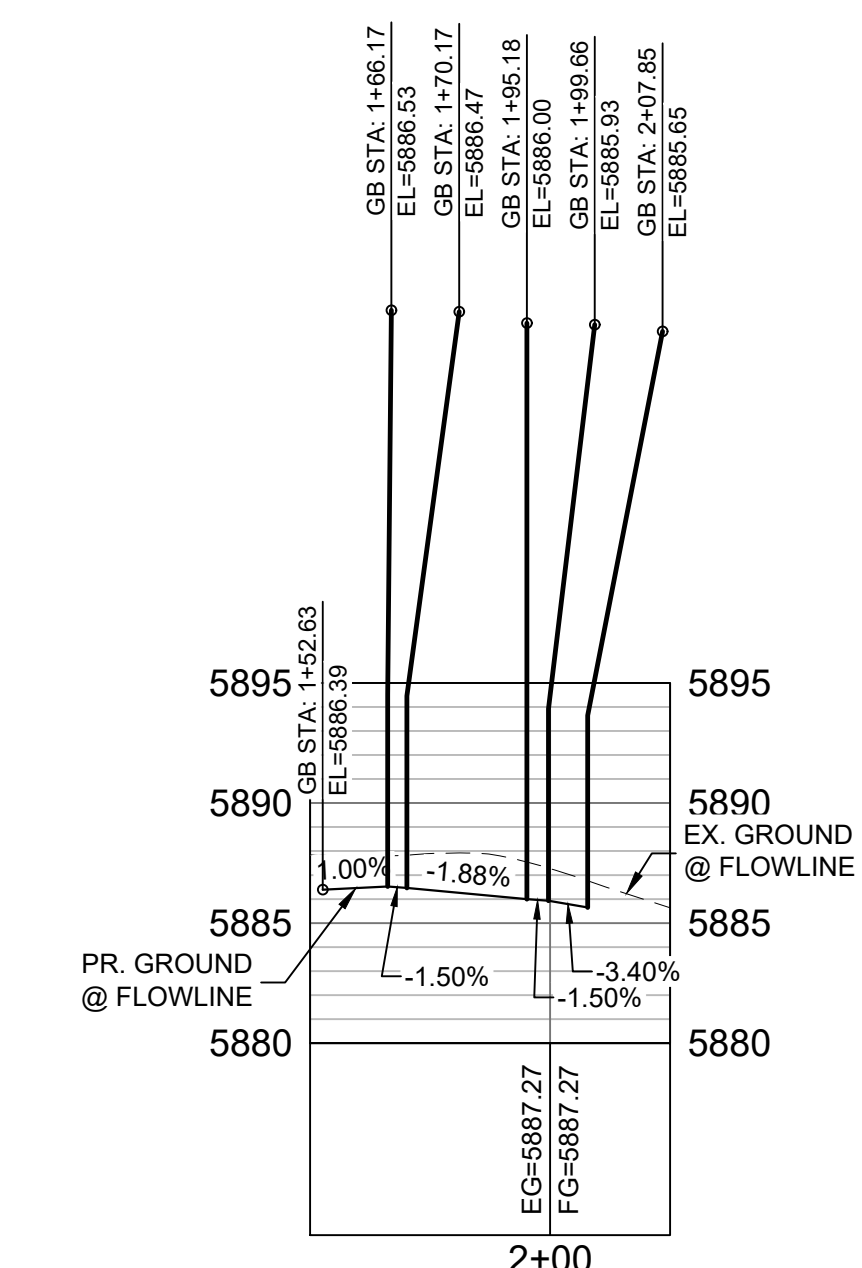


Know what's below.
Call before you dig.

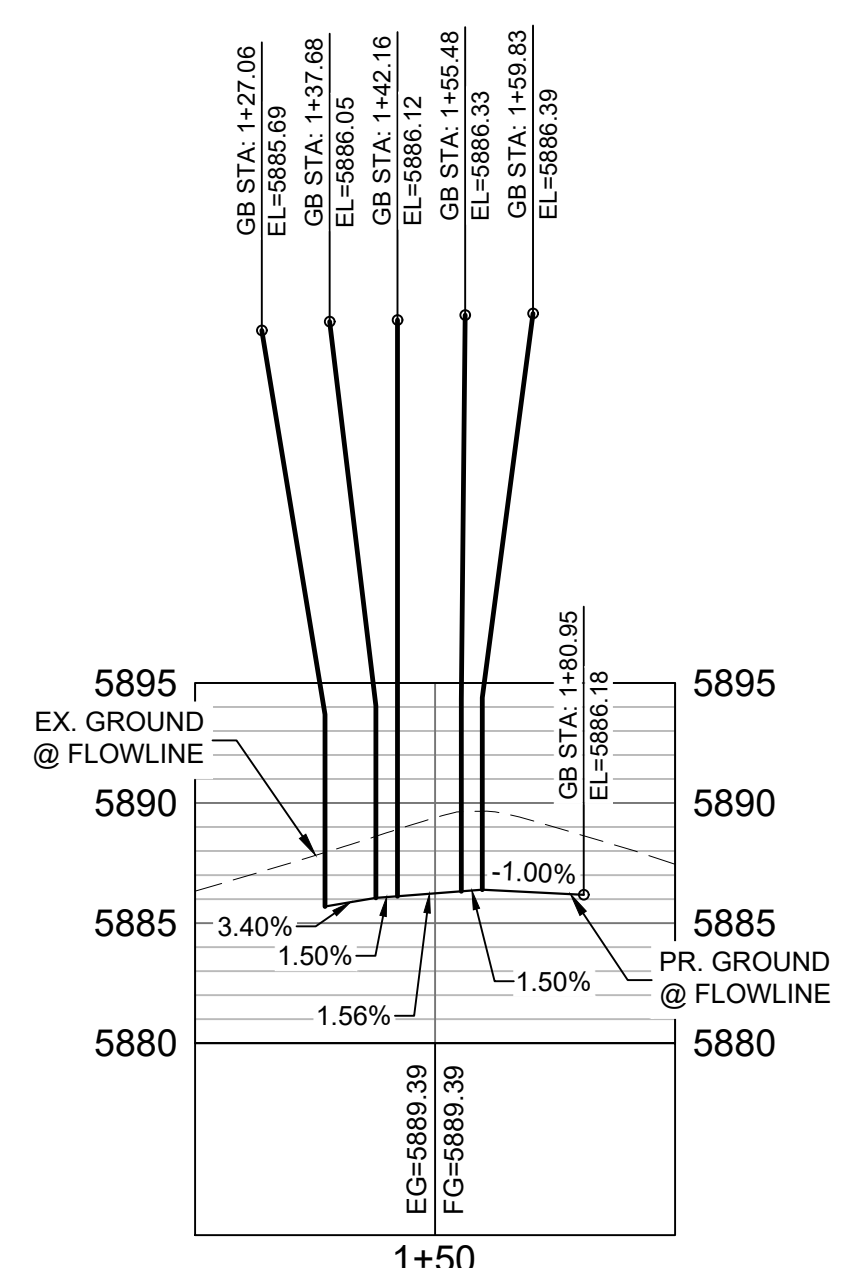


ENGINEERING RECORD DRAWINGS
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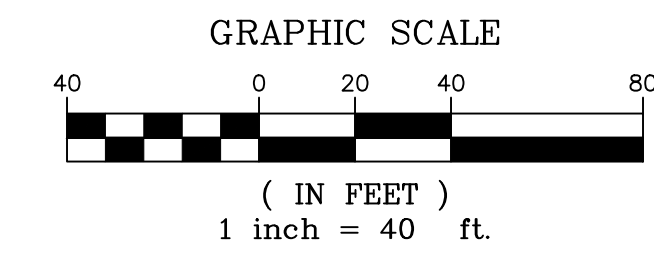
Nicole Schanel
 Date: 09/30/22
 NICOLE SCHANEL, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.



MOOSE MEADOW SW FLOWLINE PROFILE
 HORIZ: 1" = 40'
 VERT: 1" = 8'



MOOSE MEADOW SE FLOWLINE PROFILE
 HORIZ: 1" = 40'
 VERT: 1" = 8'

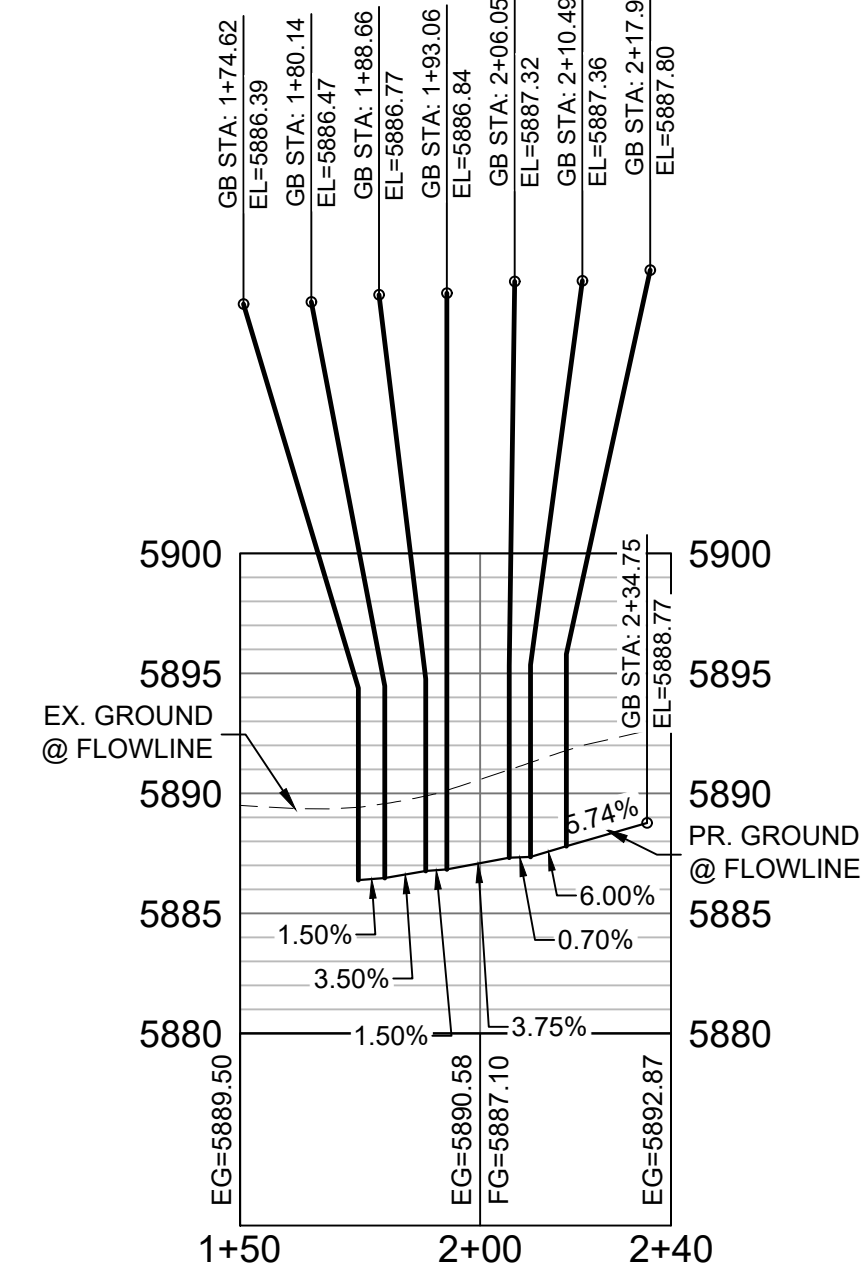


LINE TABLE

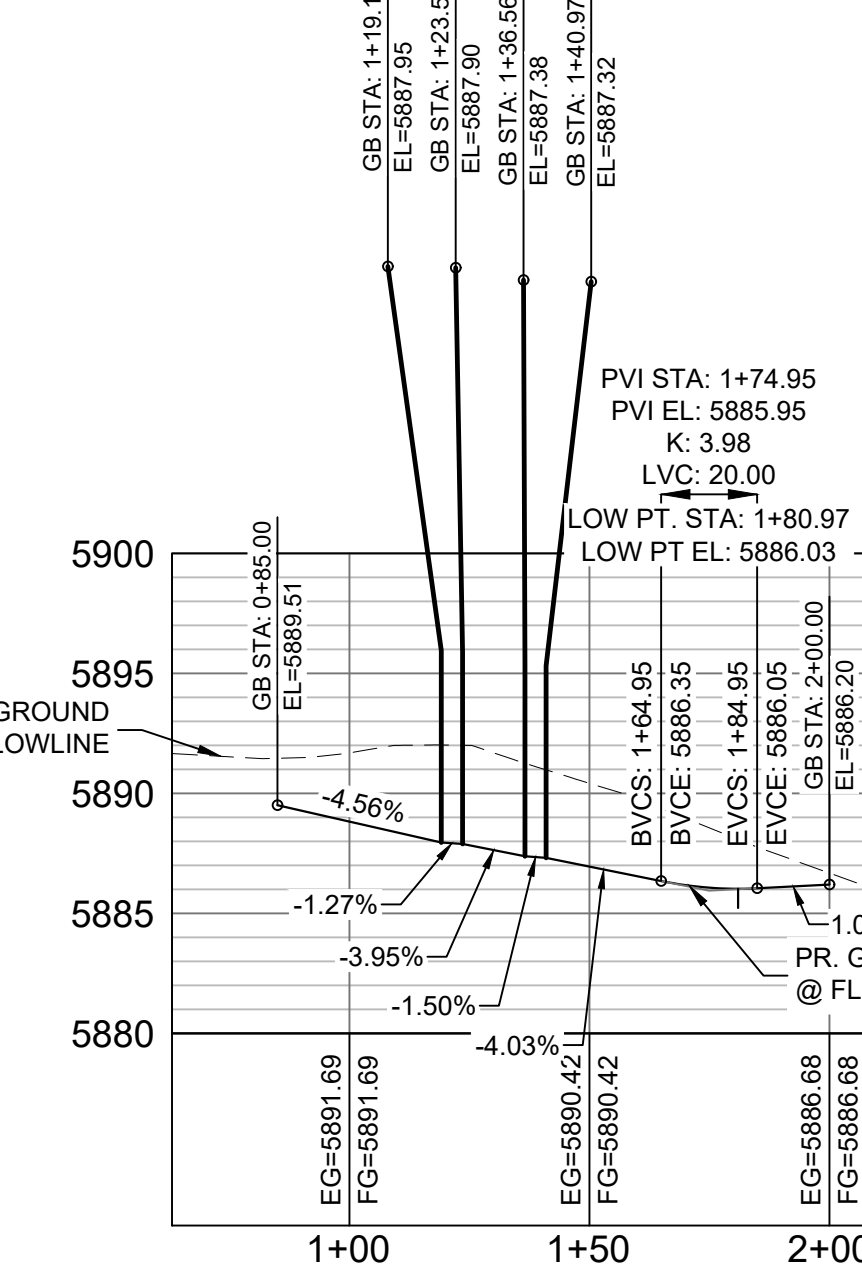
LINE #	BEARING	DISTANCE
L17	N69°44'49"E	17.08
L18	N69°45'39"E	13.32

CURVE TABLE

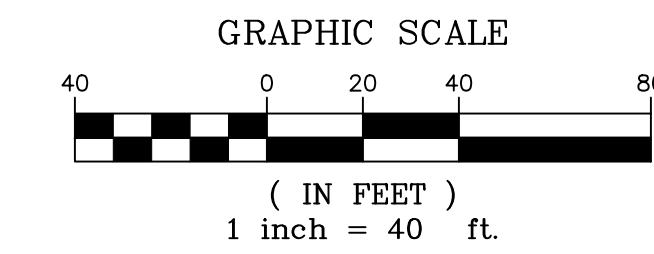
CURVE #	ARC LENGTH	RADIUS	ANGLE
C11	38.14	25.00	87°24'07"
C14	40.57	25.00	92°58'38"



MOOSE MEADOW NW FLOWLINE PROFILE
 HORIZ: 1" = 40'
 VERT: 1" = 8'



MOOSE MEADOW NE FLOWLINE PROFILE
 HORIZ: 1" = 40'
 VERT: 1" = 8'



LINE TABLE

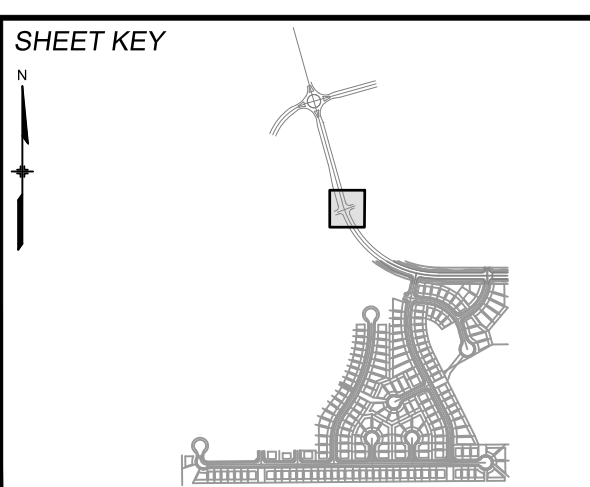
LINE #	BEARING	DISTANCE
L19	N69°43'14"E	5.52
L21	S15°46'20"E	23.51
L22	N69°45'39"E	50.51

CURVE TABLE

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

EPC 2/13/2020

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			
PLOT DATE: January 23, 2020 11:16:11 AM			
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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PREPARED BY:

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

TRAILS AT ASPEN RIDGE

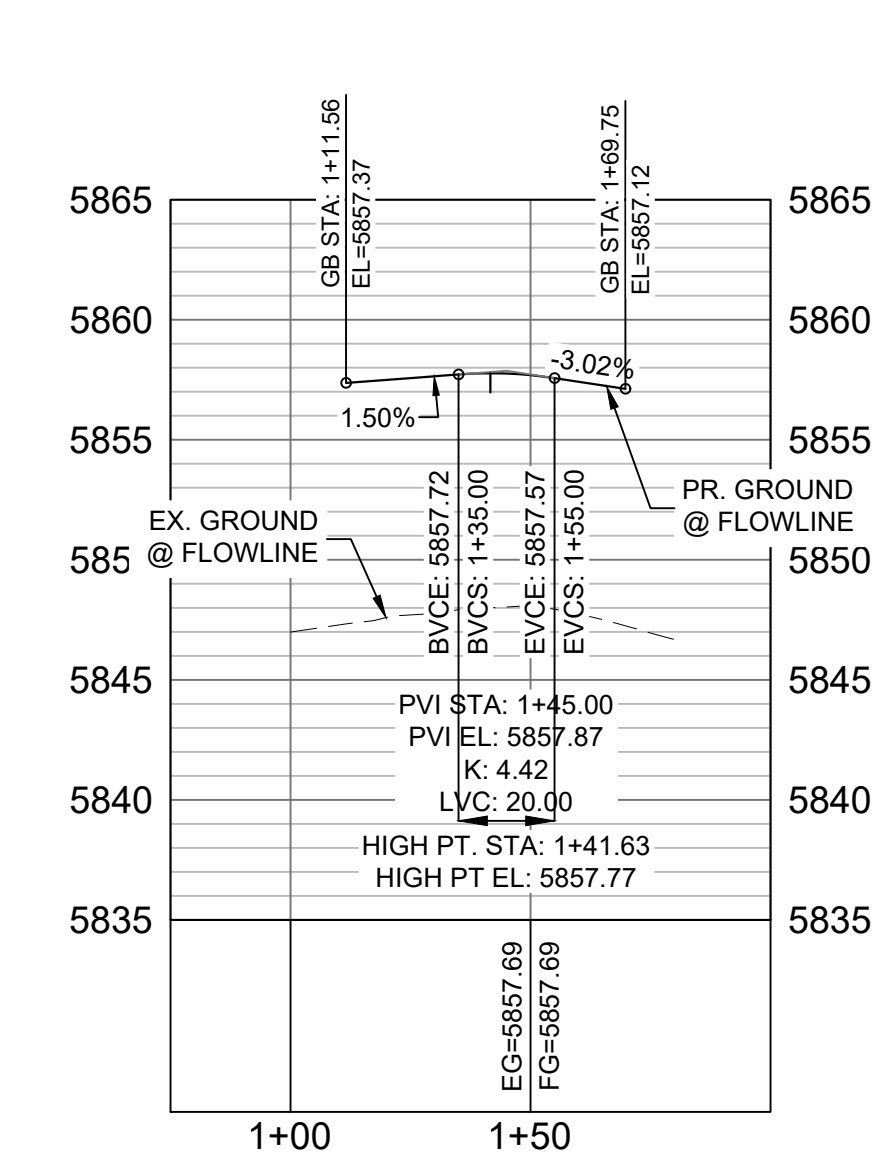
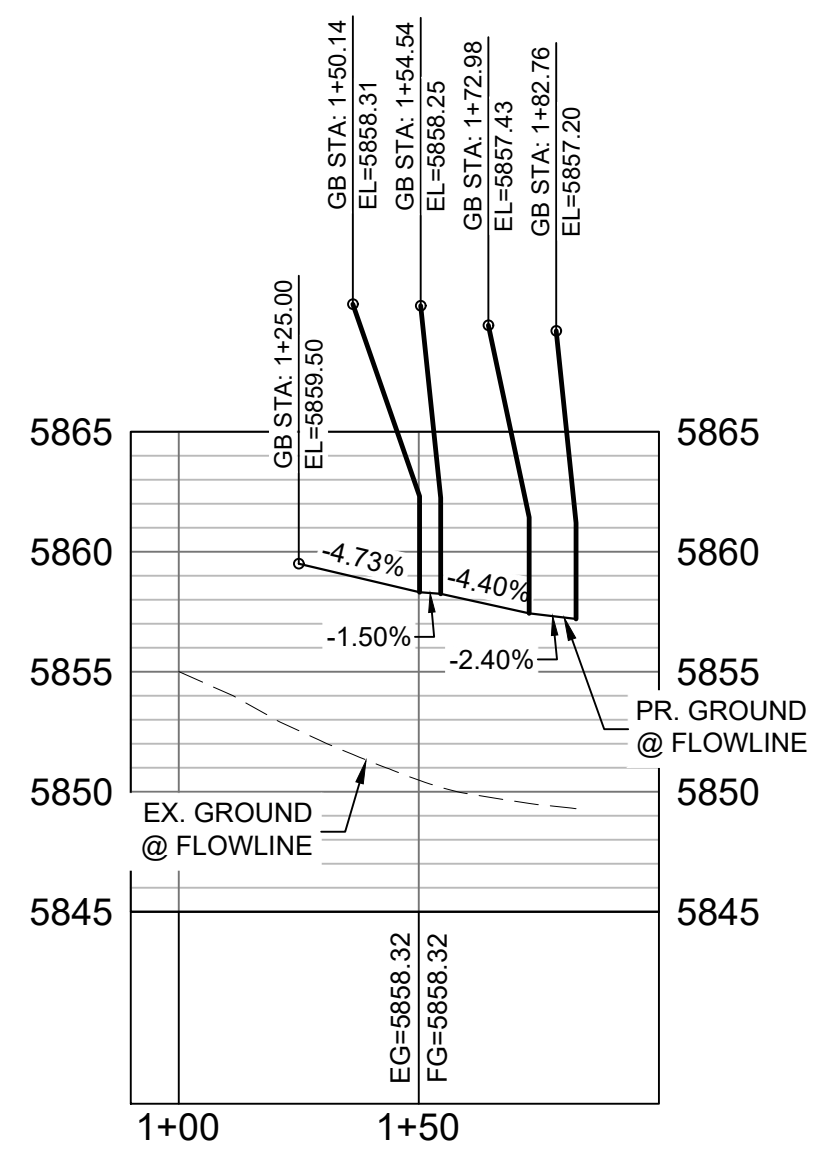
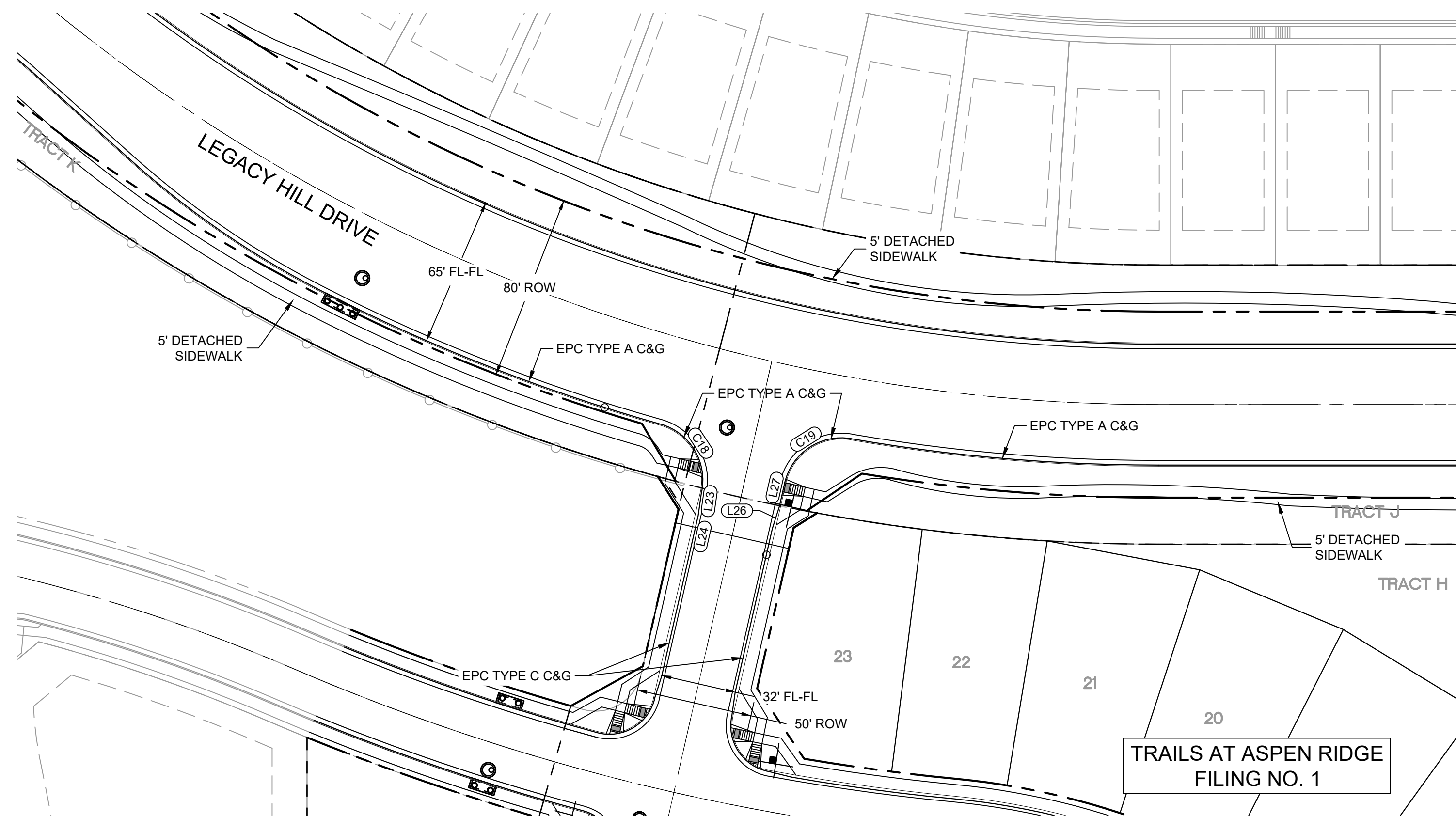
FILING NO. 1
 ROADWAY & STORM IMPROVEMENT PLANS

CURB RETURN DETAILS
 LEGACY HILL DRIVE & 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	



Know what's below.
Call before you dig.



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

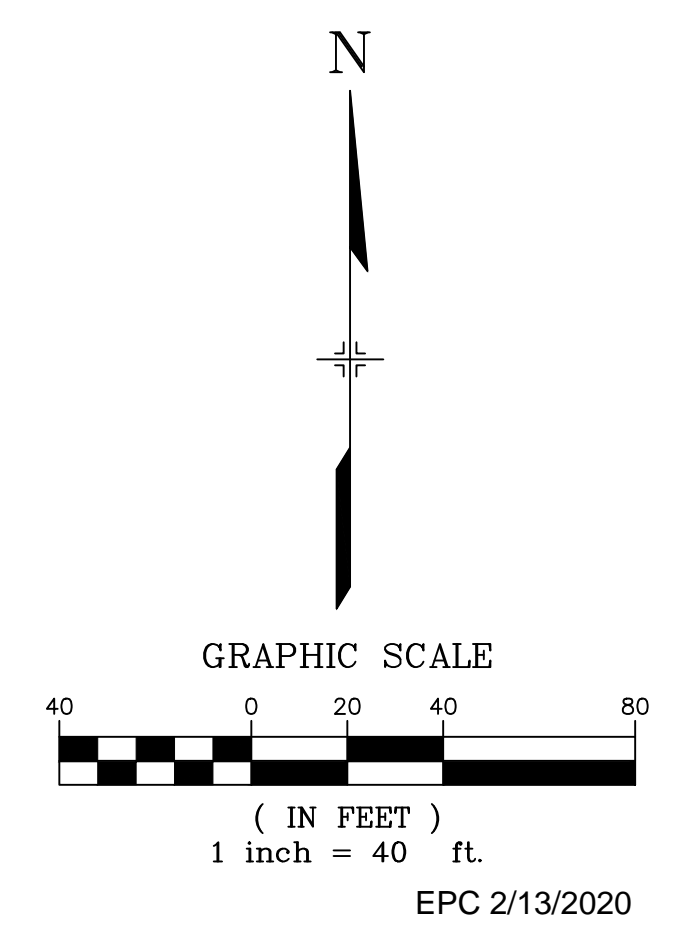
CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	ANGLE
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C19	37.96	25.00	86°59'40"

ENGINEERING RECORD DRAWINGS

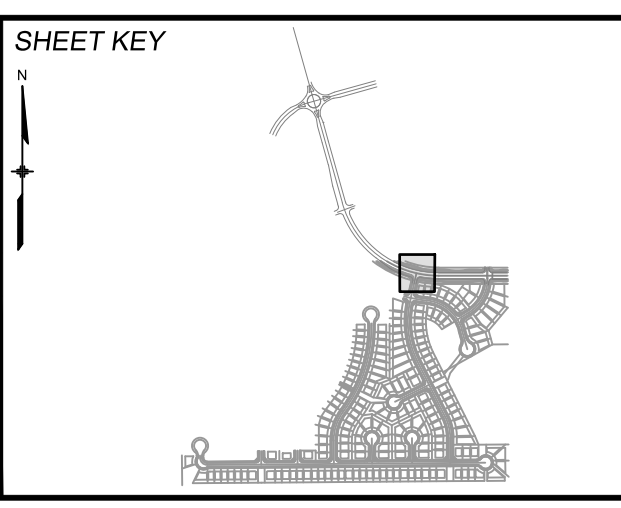
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS. REFER TO ORIGINAL DRAWINGS FOR SIGNATURES AND SEALS.

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

Date: 09/30/22



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			
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

CURB RETURN DETAILS
LEGACY HILL DRIVE & SUNDAY GULCH DRIVE

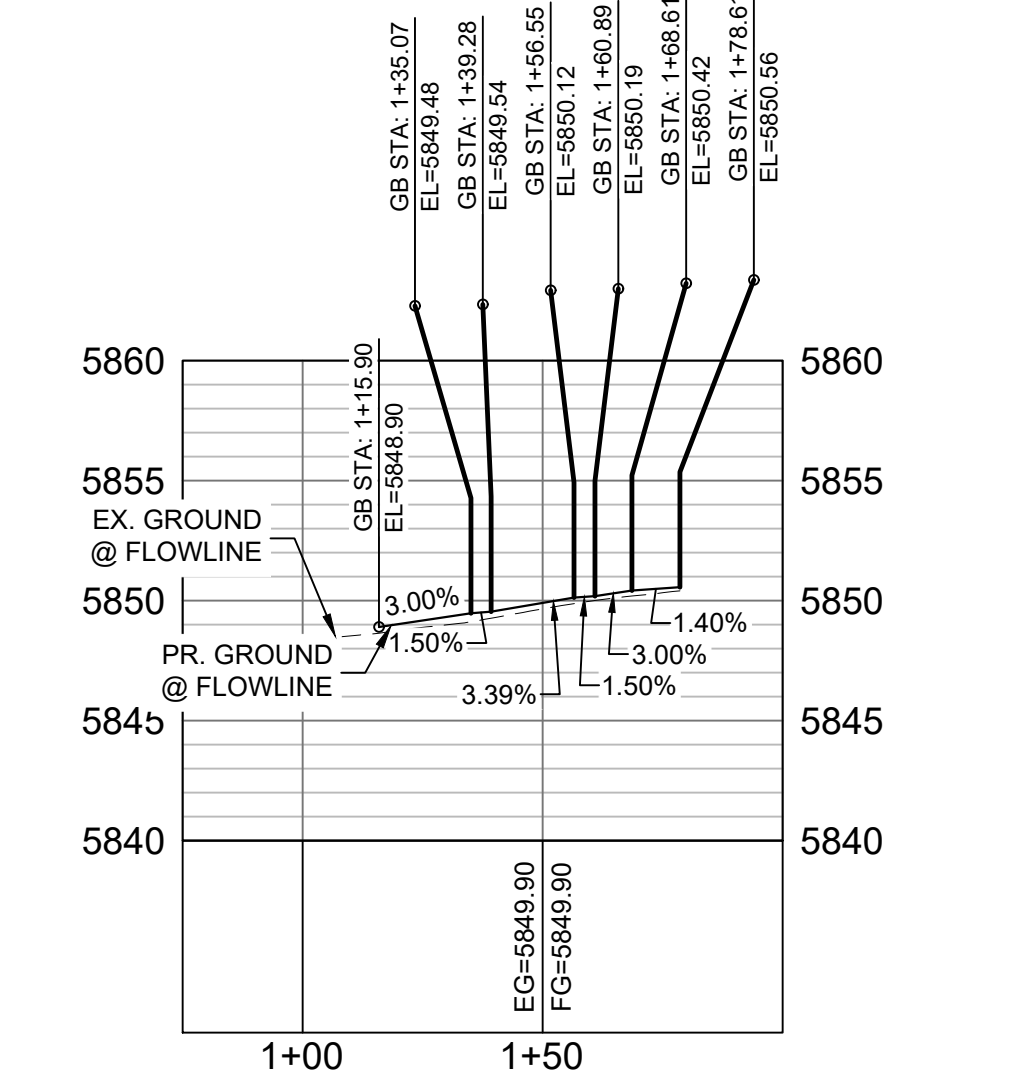
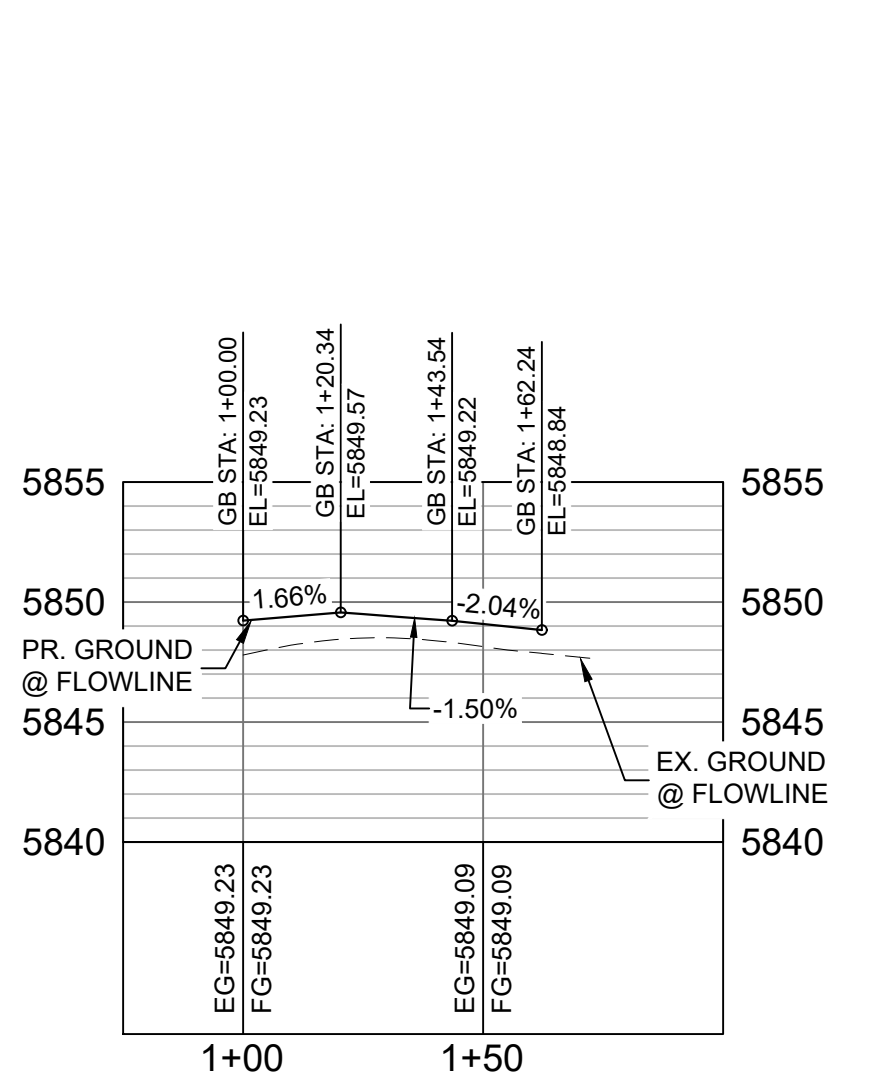
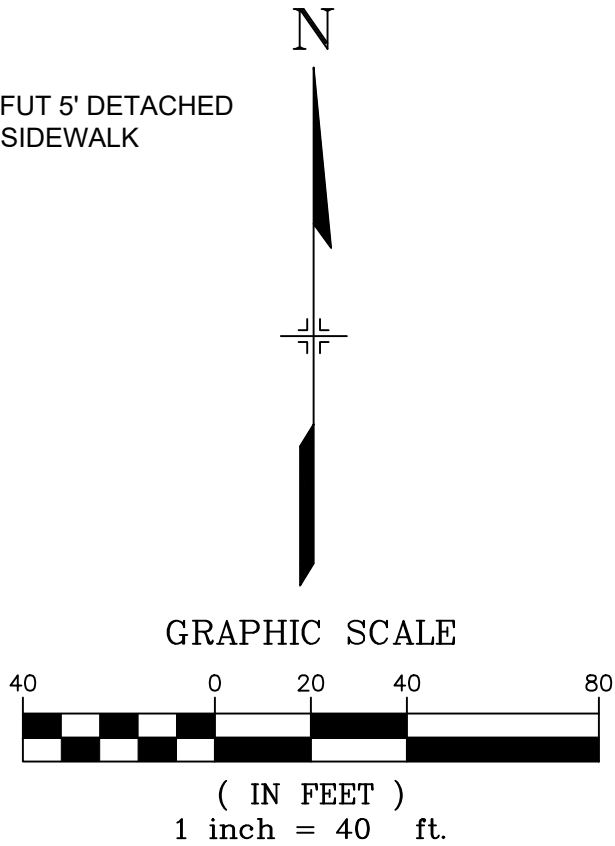
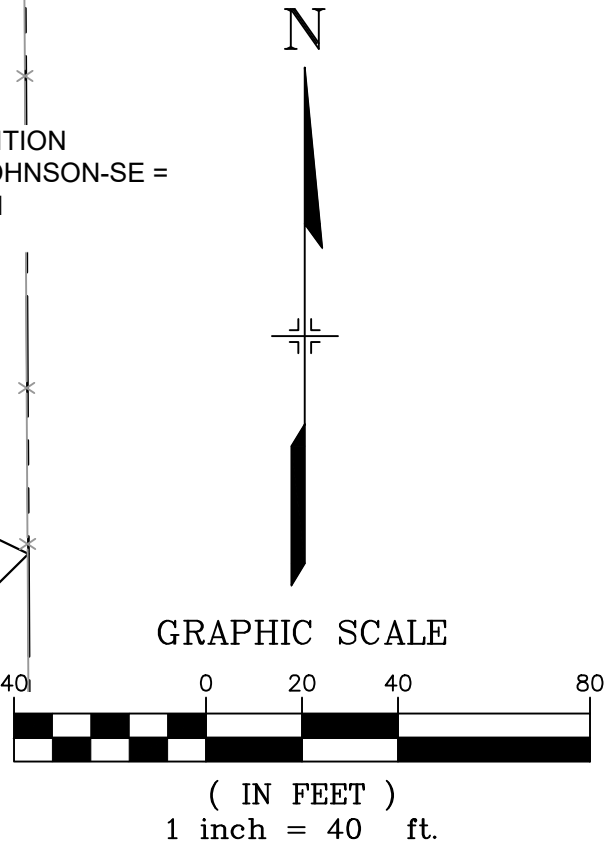
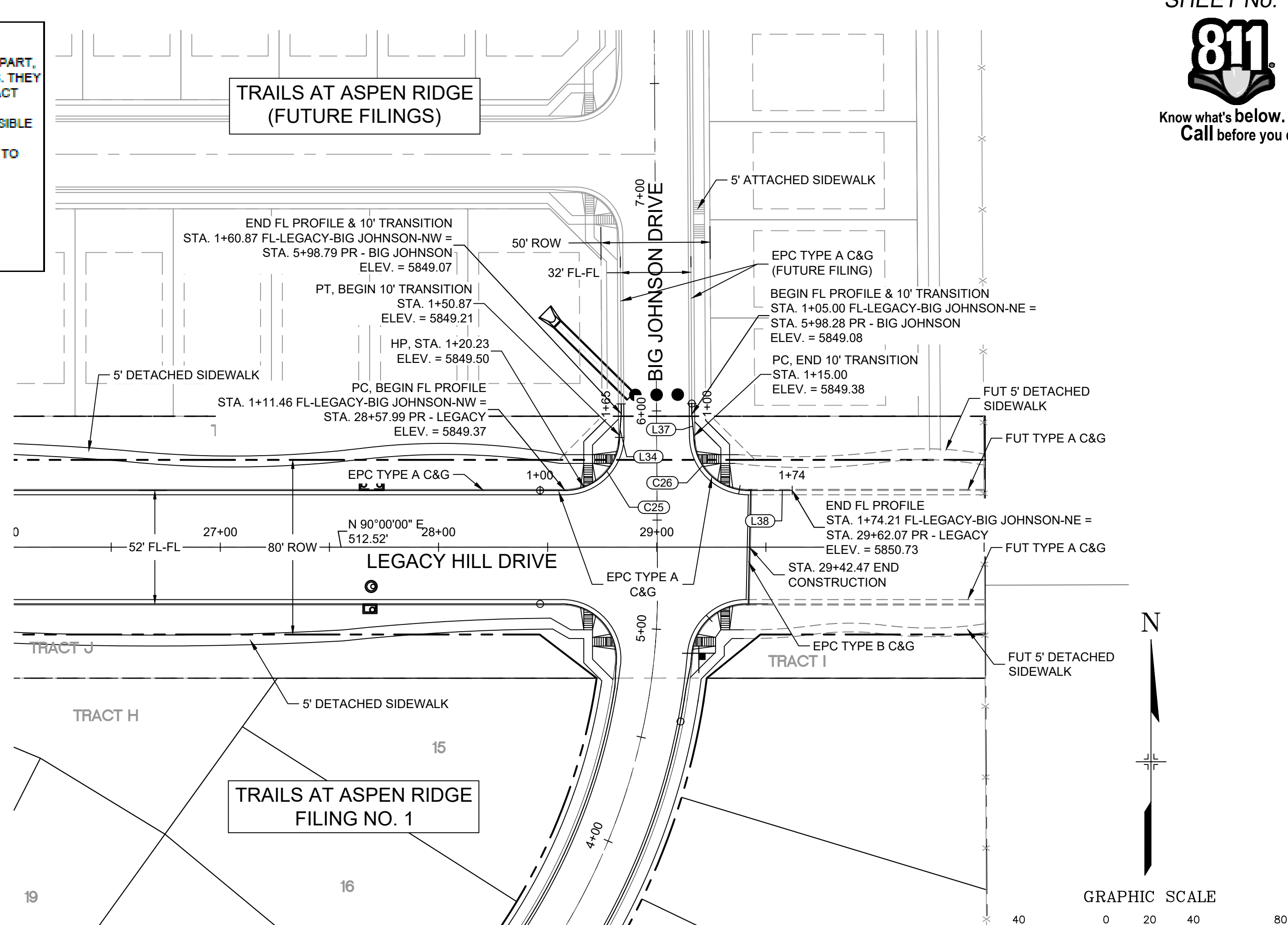
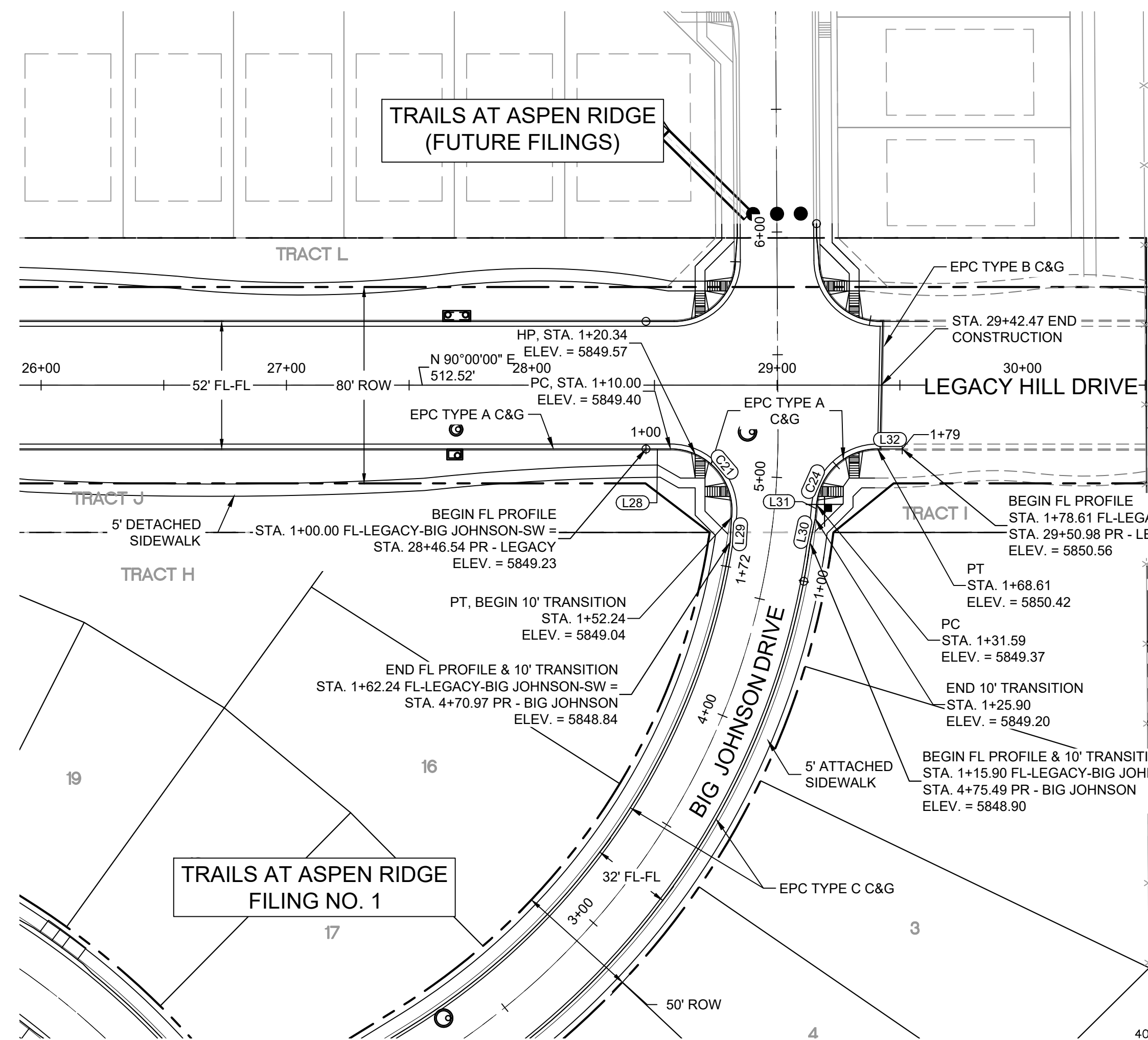
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DRAWN BY: AAL	HORIZ: 1" = 40'	SHEET 12 OF 73	
CHECKED BY: NMS	VERT: 1" = 8'		



Know what's below.
Call before you dig.

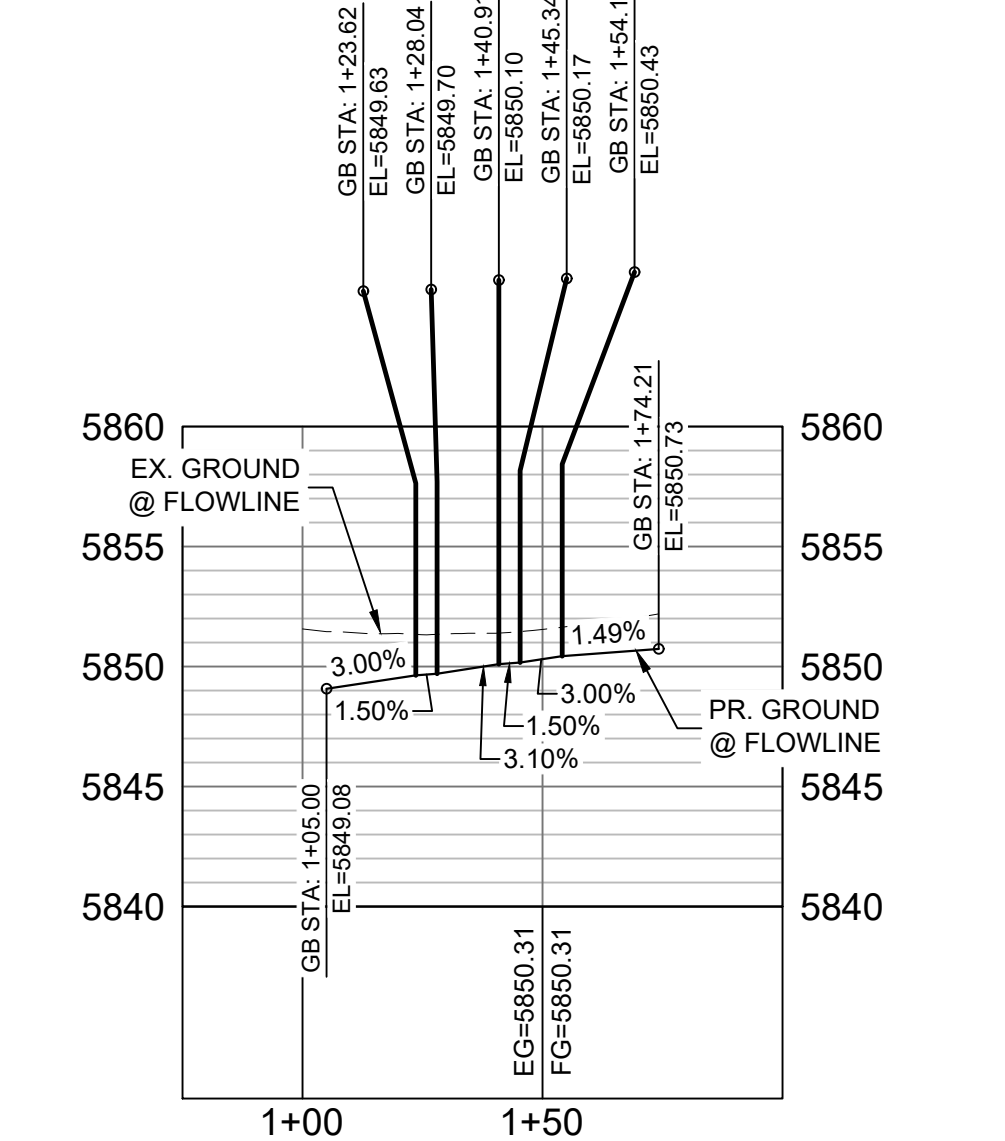
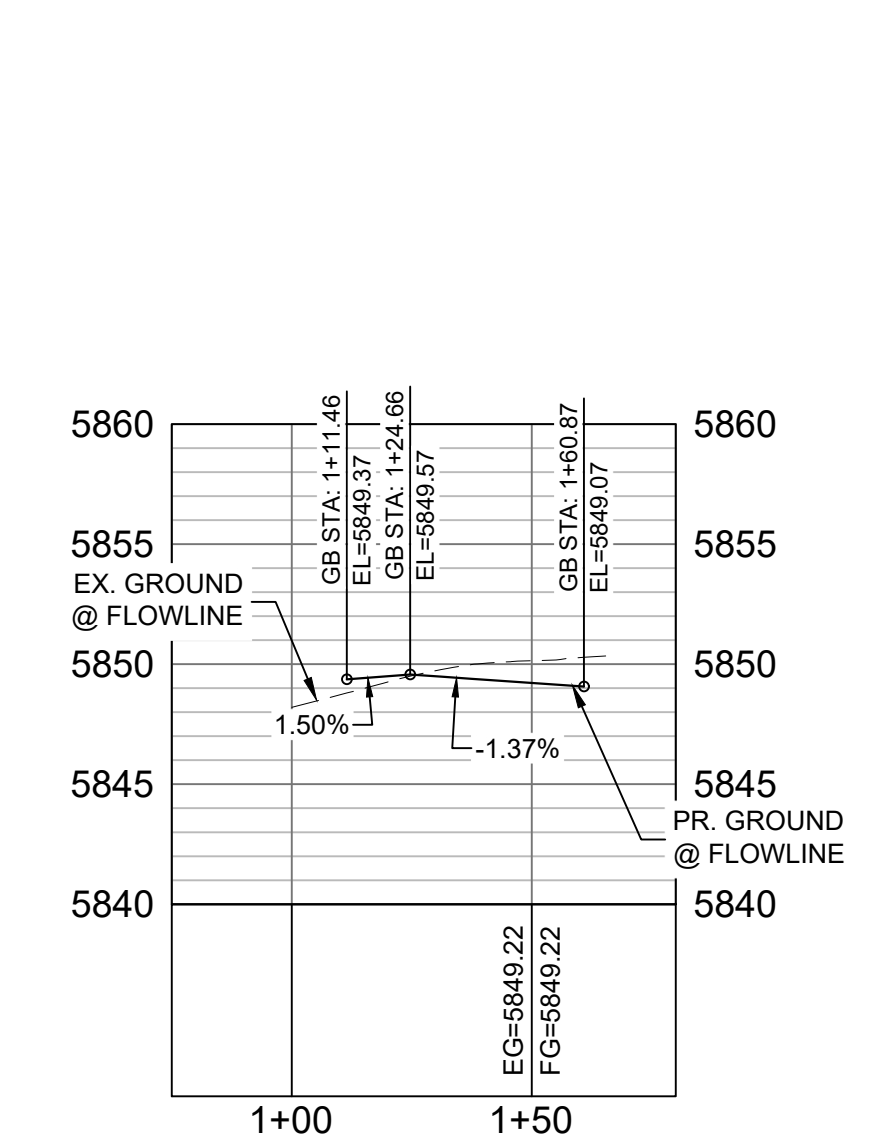
ENGINEERING RECORD DRAWINGS
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Nicole Schanel
 Nicole Schanel, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.
 Date: 09/30/22



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



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

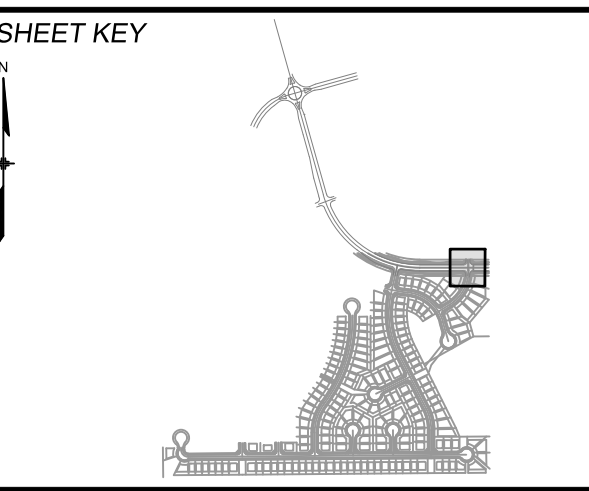
BIG JOHNSON SW FLOWLINE PROFILE
 HORIZ: 1" = 40'
 VERT: 1" = 8'

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'

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 11:16:29 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 1/2' AULM. CAP PLS 10377)



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

TRAILS AT ASPEN RIDGE

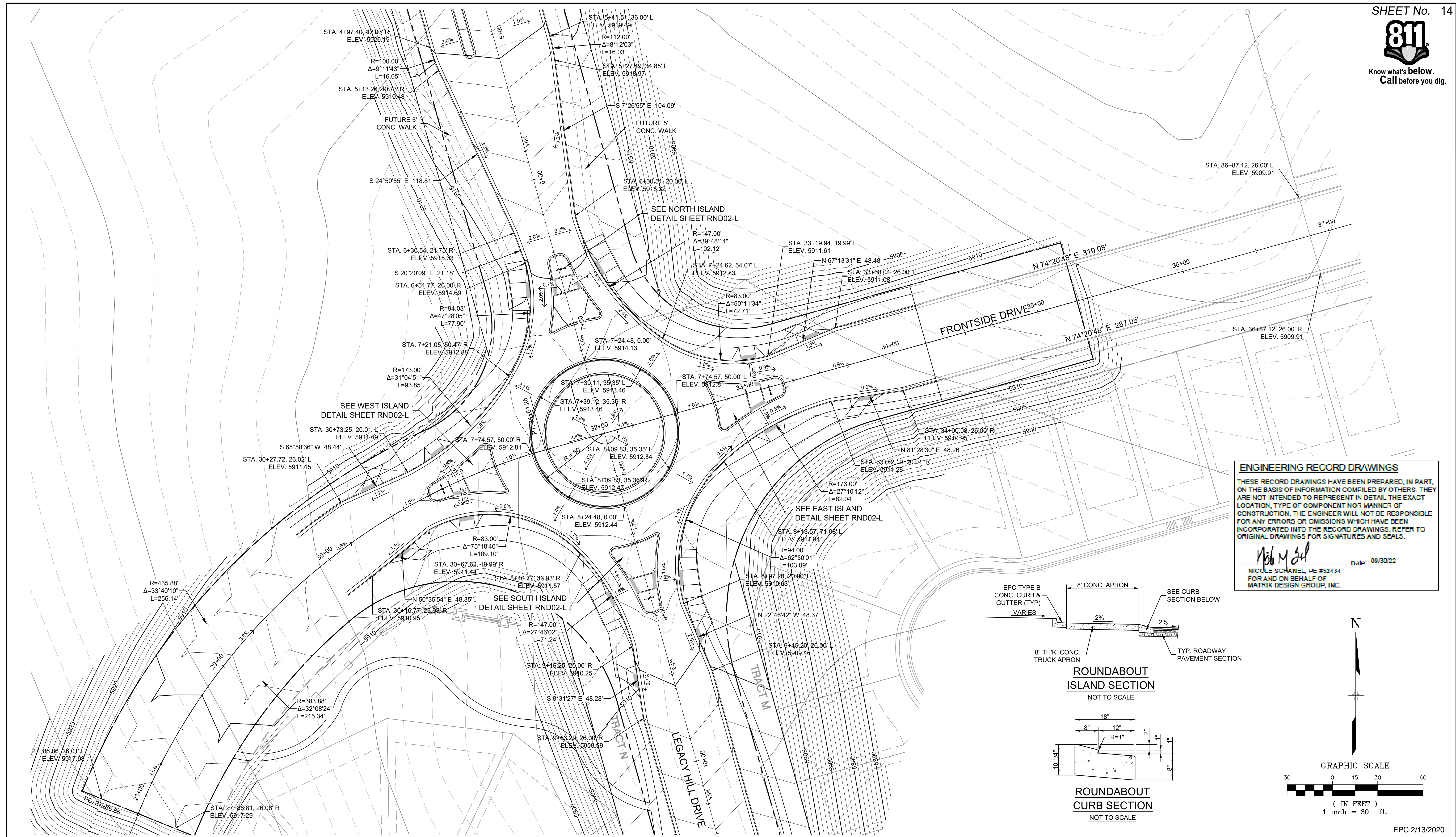
FILING NO. 1
 ROADWAY & STORM IMPROVEMENT PLANS

CURB RETURN 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	



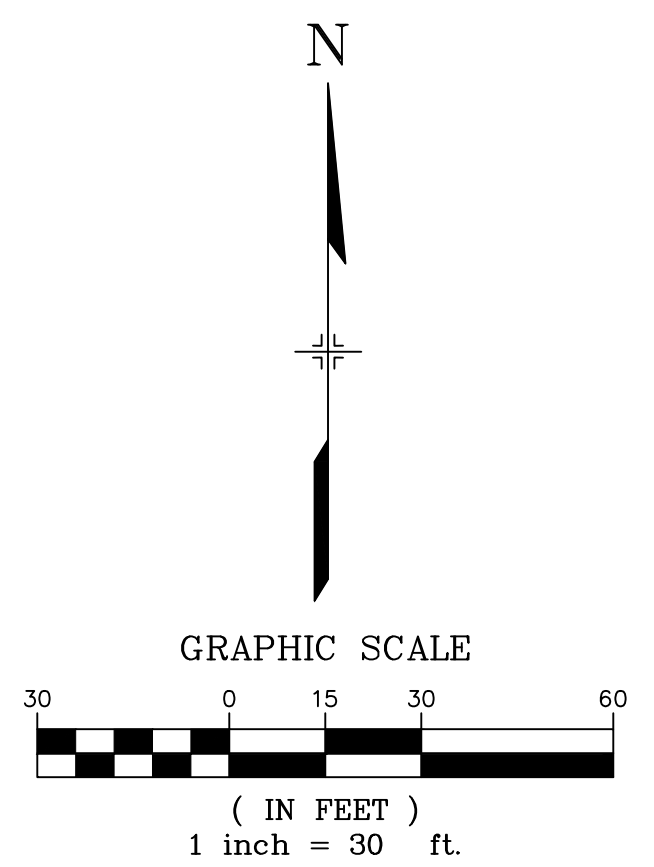
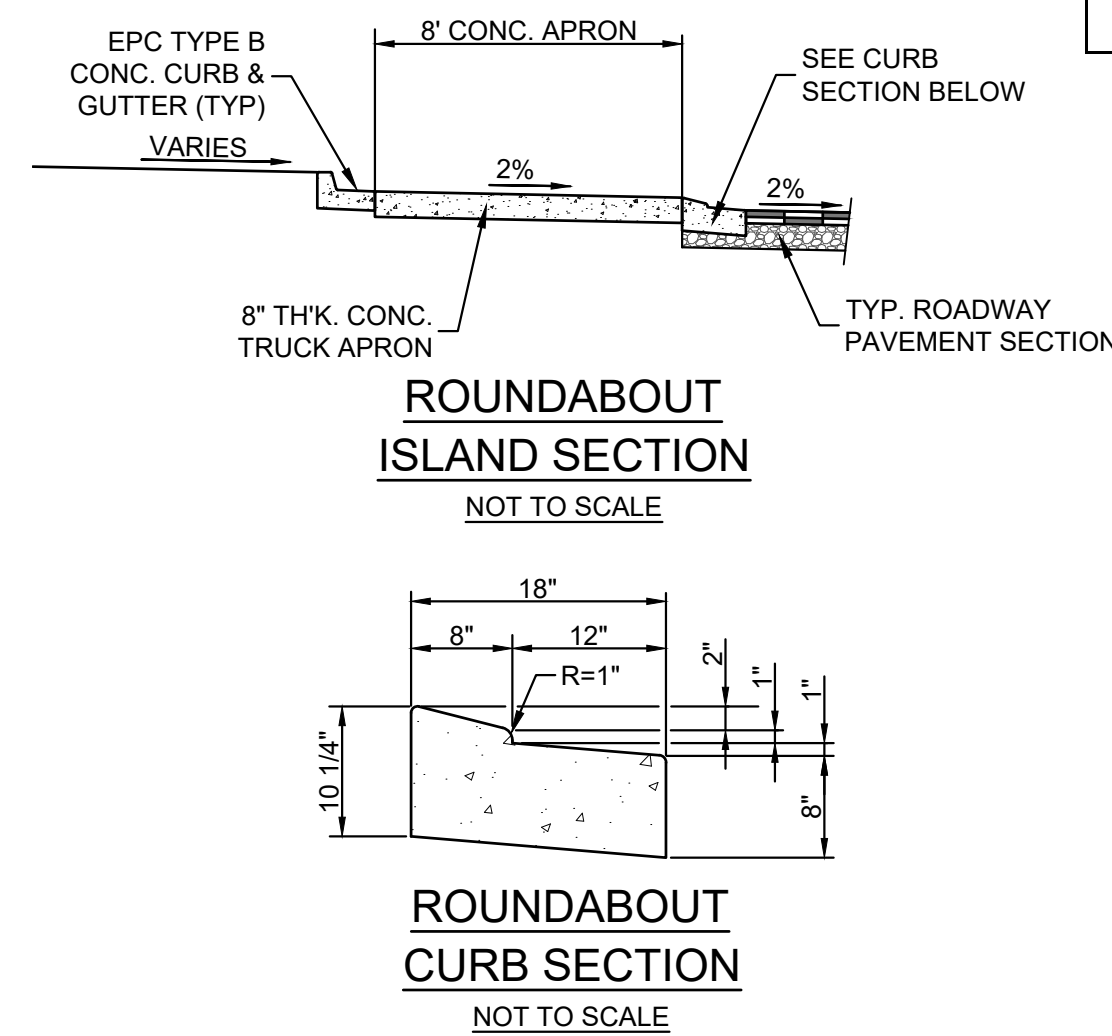
Know what's below.
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ENGINEERING RECORD DRAWINGS

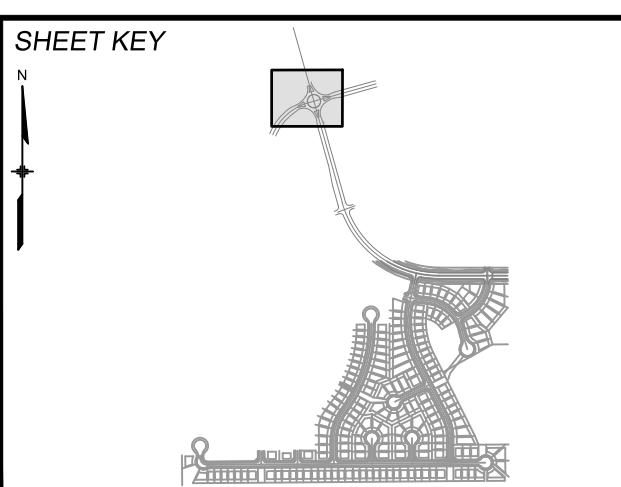
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS. REFER TO ORIGINAL DRAWINGS FOR SIGNATURES AND SEALS.

Nicole Schanel Date: 09/30/22
 NICOLE SCHANEL, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.



EPC 2/13/2020

REFERENCE DRAWINGS		SHEET KEY	
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			
CTB FILE: ---			
PLOT DATE: January 23, 2020 11:18:19 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\"/>

PREPARED BY:
Matrix
 DESIGN GROUP



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. RND01-L
CHECKED BY: NMS	VERT. N/A	SHEET 14 OF 73	

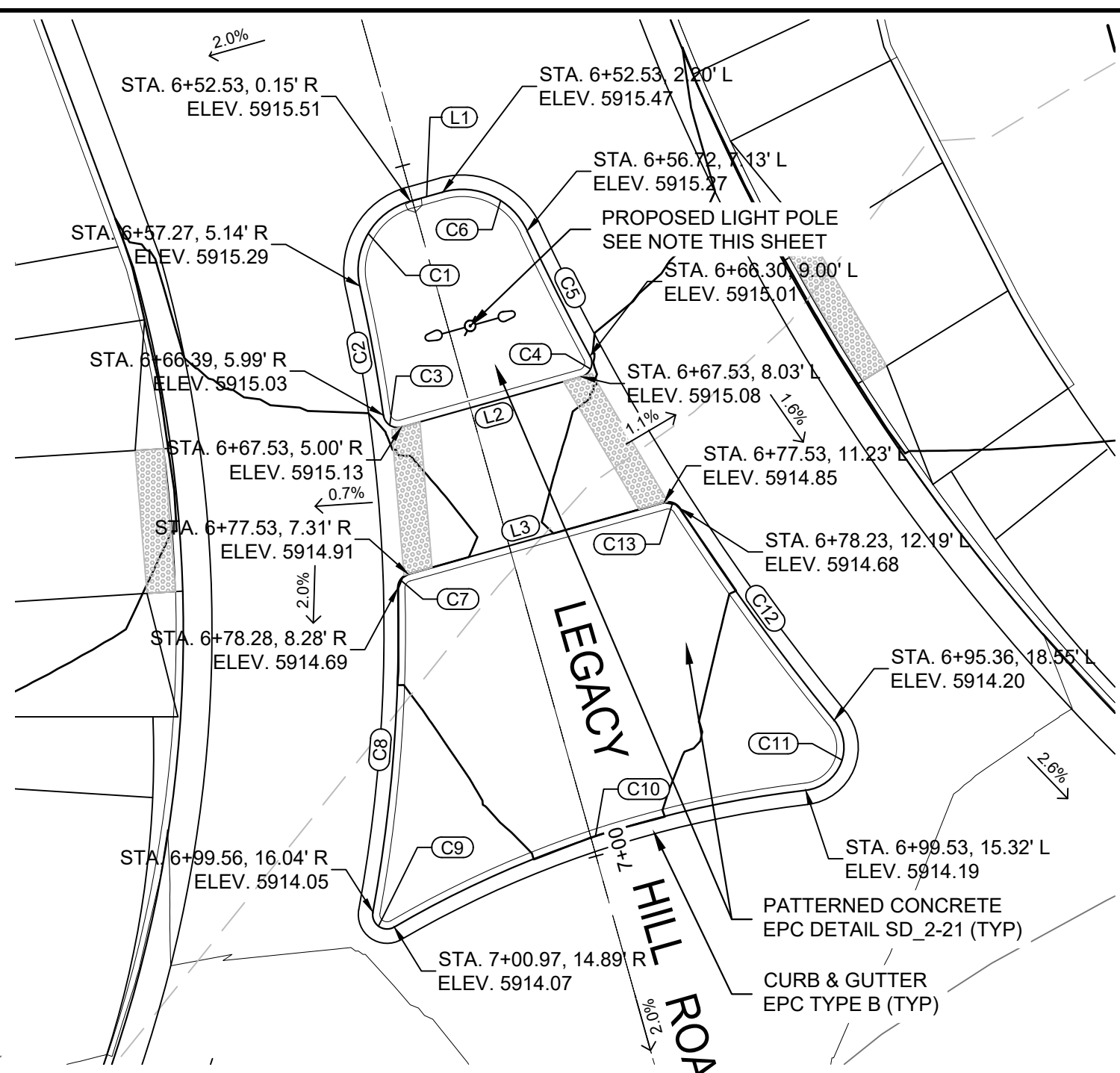


Know what's below. Call before you dig.

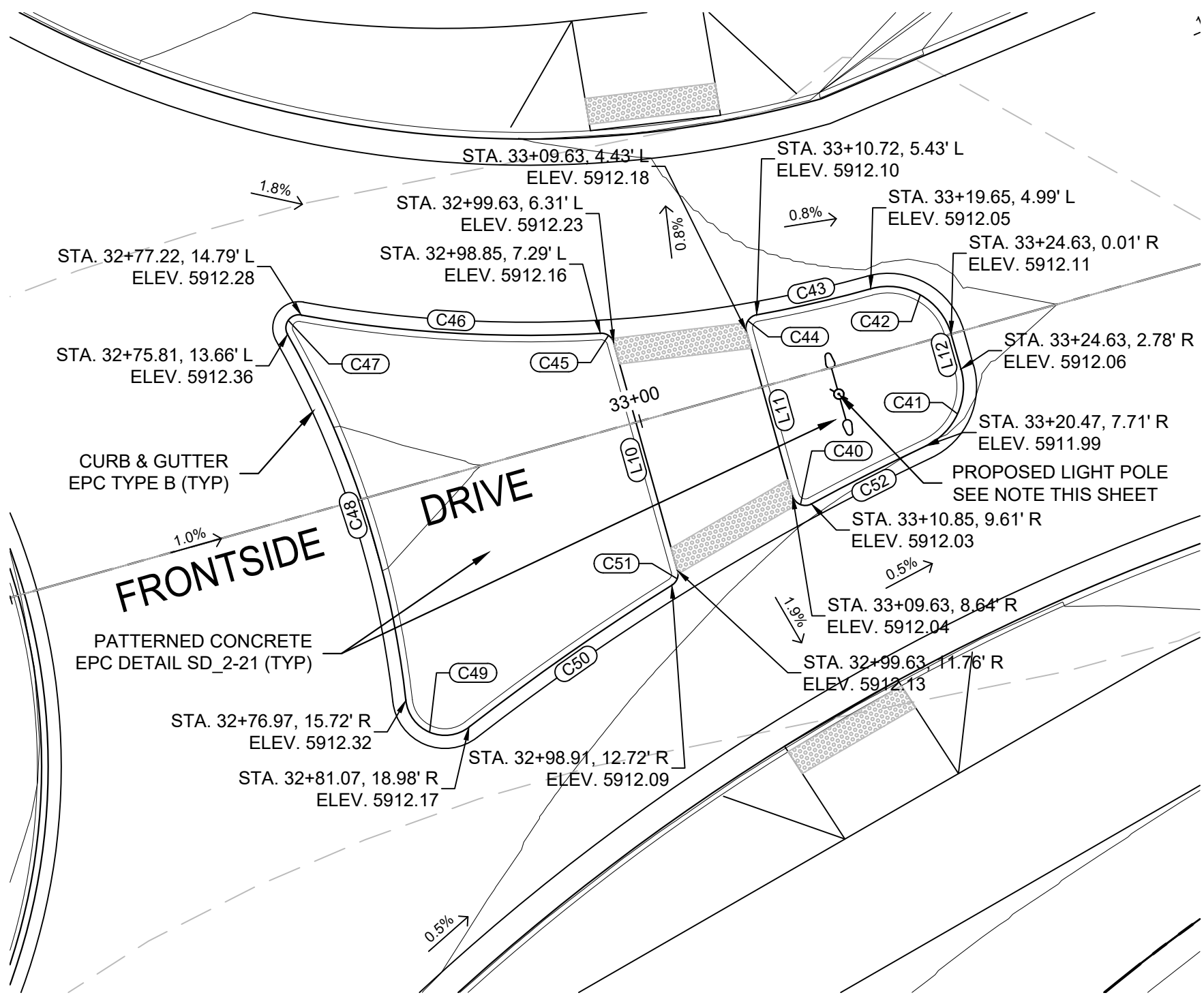
LINE TABLE		
LINE #	BEARING	DISTANCE
L1	N74°20'48"E	2.35
L2	S74°20'48"W	13.02
L3	N74°20'48"E	18.54
L4	S23°39'26"E	17.30
L5	N23°39'26"W	11.94
L6	S27°09'08"E	1.40
L7	N74°20'48"E	17.16
L8	S74°20'48"W	12.06
L9	N74°20'48"E	1.70
L10	N15°38'59"W	18.07
L11	S15°38'59"E	13.07
L12	N15°38'59"W	2.77

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"

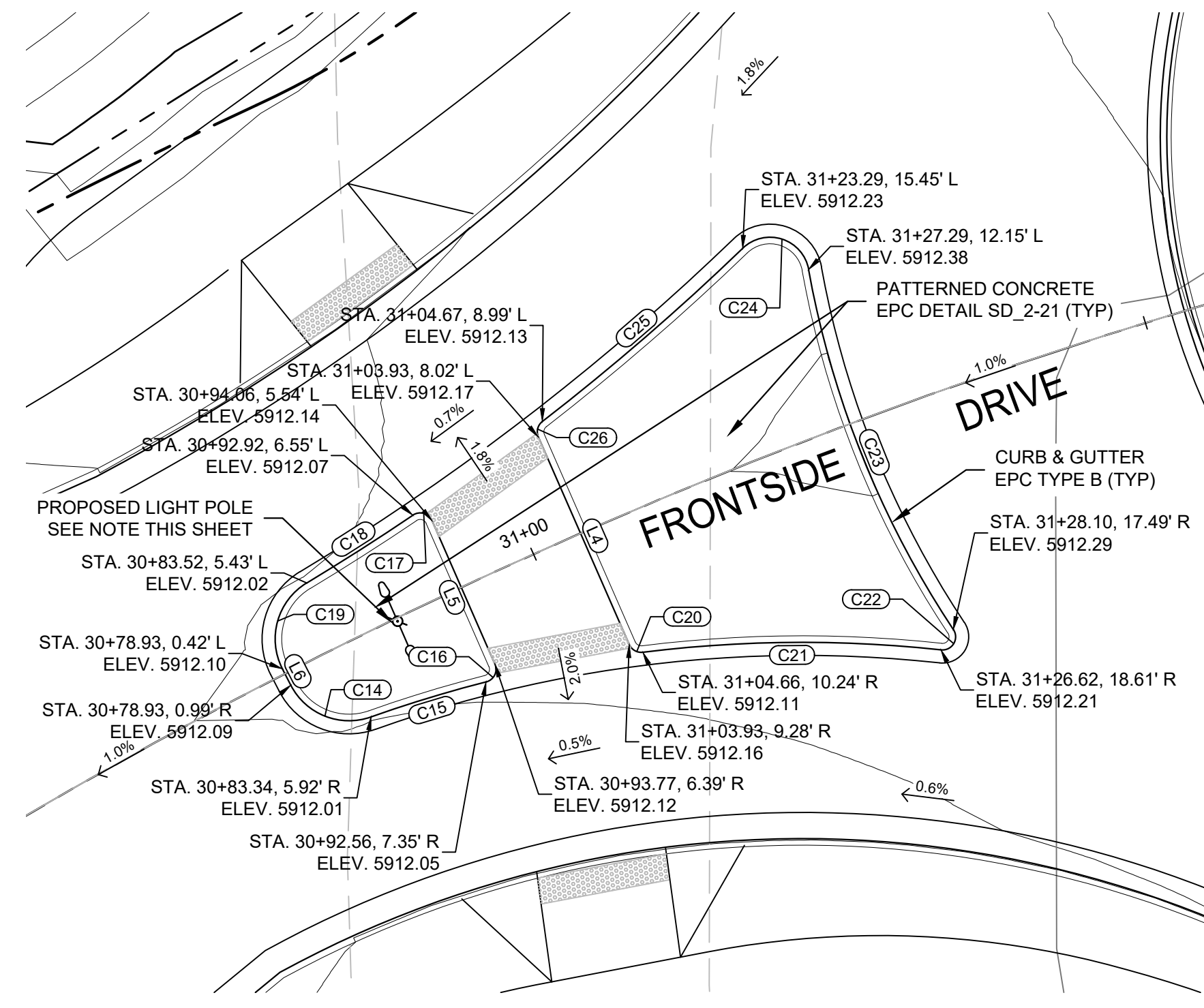
CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	ANGLE
C31	9.63	162.00	3°24'20"
C32	7.16	5.00	82°04'52"
C33	1.33	1.00	76°21'02"
C34	23.53	109.00	12°21'57"
C35	2.28	1.00	130°47'23"
C36	29.04	73.50	22°38'09"
C37	6.29	3.00	120°08'25"
C38	18.70	162.00	6°36'54"
C39	1.30	1.00	74°20'11"
C40	1.79	1.00	102°42'15"
C41	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"



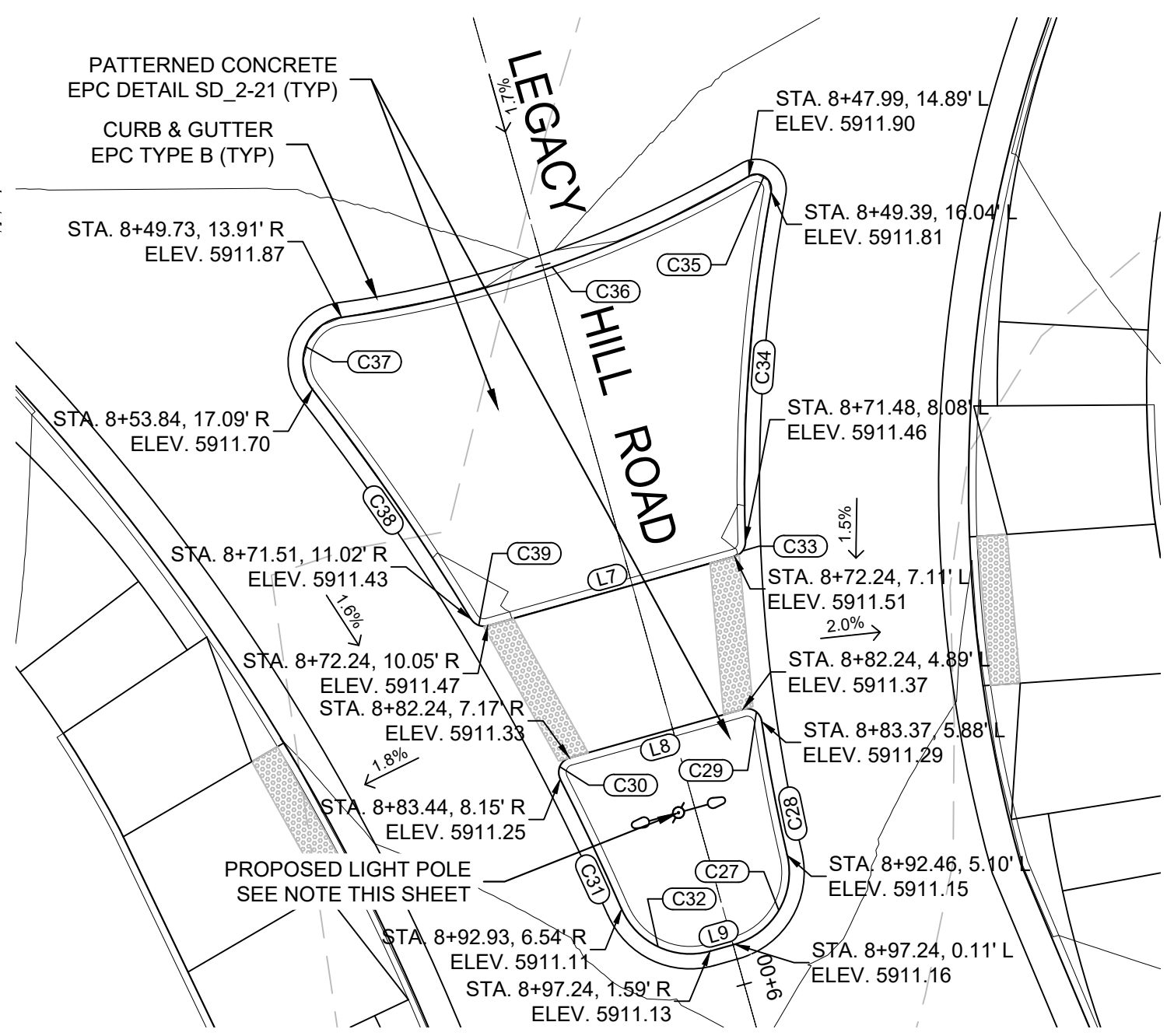
NORTH ISLAND
SCALE: 1" = 10'



EAST ISLAND
SCALE: 1" = 10'



WEST ISLAND
SCALE: 1" = 10'



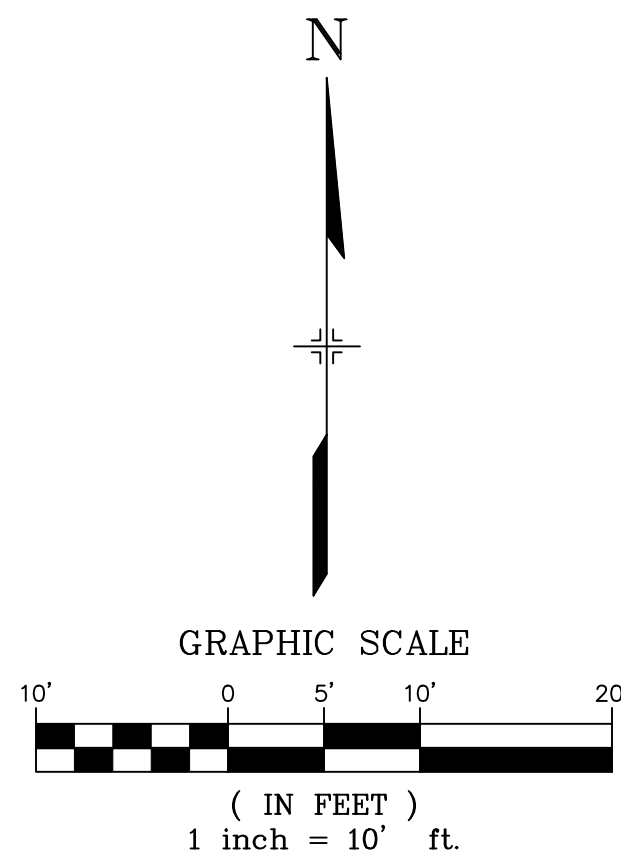
SOUTH ISLAND
SCALE: 1" = 10'

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

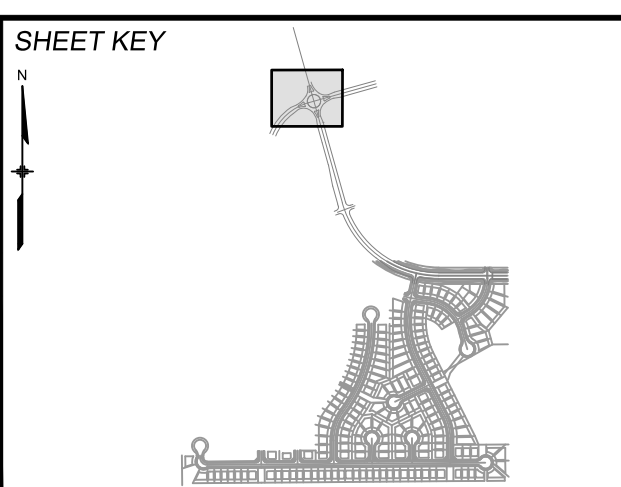
ENGINEERING RECORD DRAWINGS

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Nicole Schanel Date: 09/30/22
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.



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-01.dwg			
CTB FILE: ---			
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
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)

PREPARED BY:
Matrix DESIGN GROUP

SEAL
COLORADO LICENSED PROFESSIONAL ENGINEER
NICOLE W. SCHANEL
#52434
09/30/22

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

TRAILS AT ASPEN RIDGE

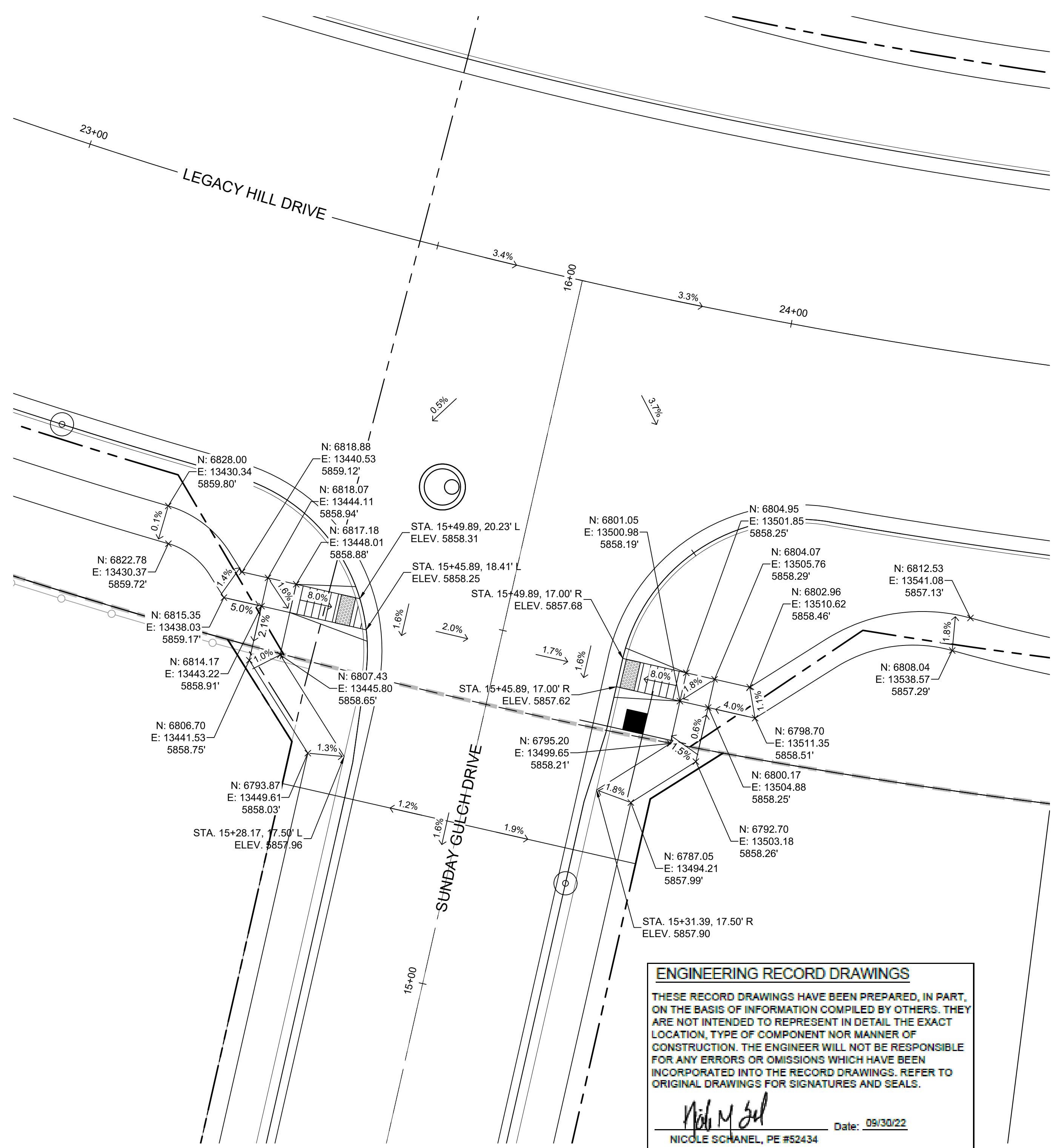
FILING NO. 1
ROADWAY & STORM IMPROVEMENT PLANS

LEGACY HILL ROUNDABOUT DETAILS

DESIGNED BY: NMS	SCALE: 1" = 30'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RDND-02-L
DRAWN BY: TJC	HORIZ: 1" = 30'	SHEET 14A OF 73	
CHECKED BY: NMS	VERT: N/A		



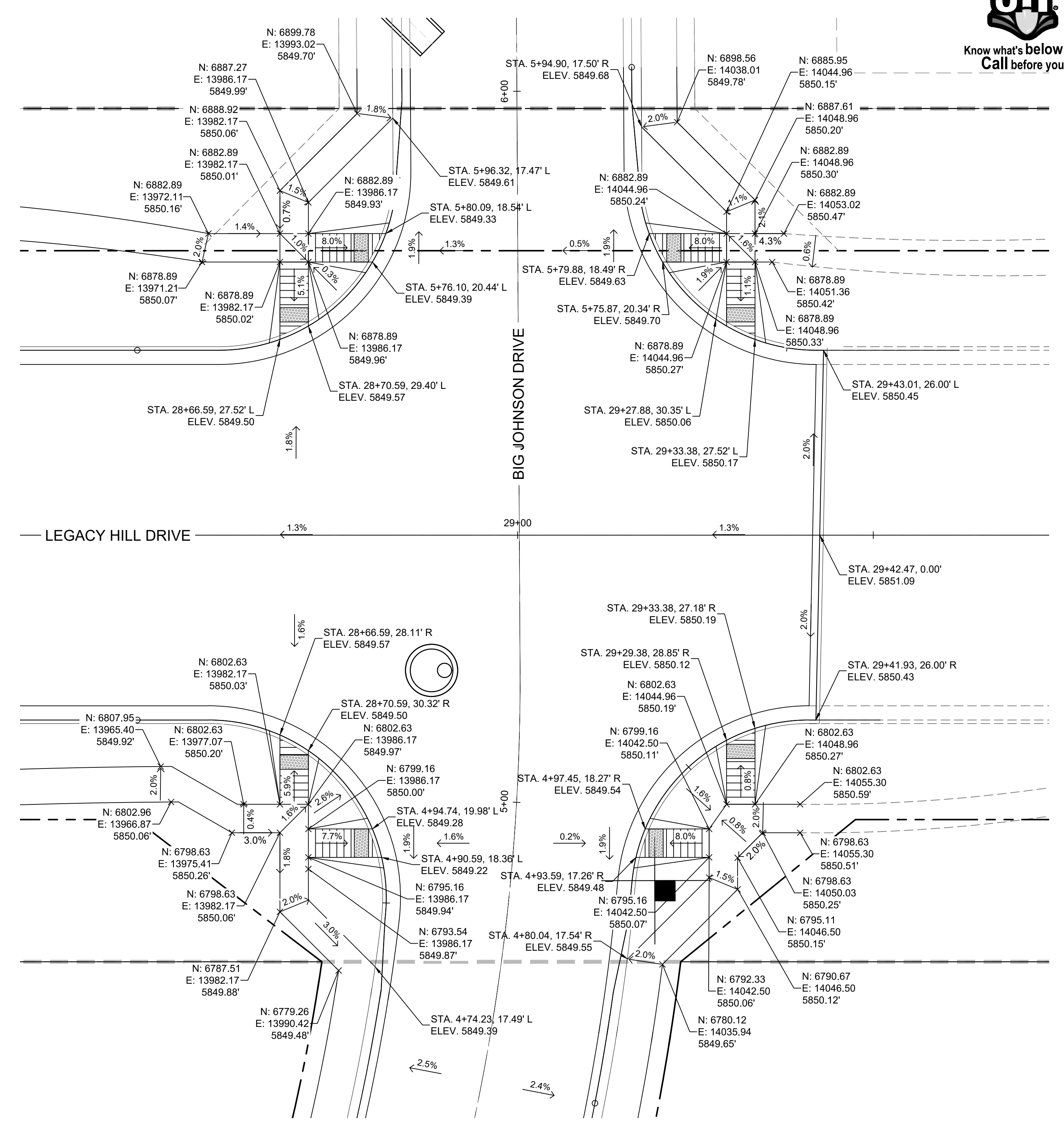
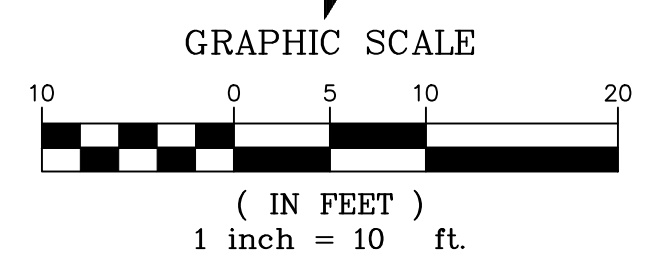
Know what's below.
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DETAIL A
LEGACY HILL DRIVE/
SUNDAY GULCH DRIVE
PED RAMP DETAILS

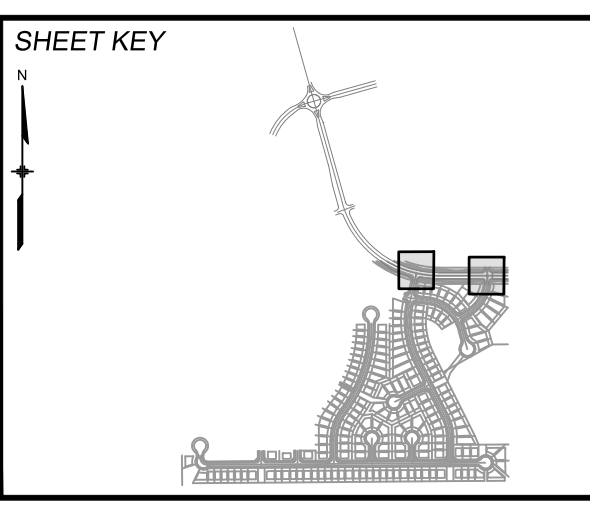
ENGINEERING RECORD DRAWINGS
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Nicole Schanel
Date: 09/30/22
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.



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

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 11:20:08 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
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PREPARED BY:
Matrix
DESIGN GROUP



TRAILS AT ASPEN RIDGE
FILING NO. 1
ROADWAY & STORM IMPROVEMENT PLANS

INTERSECTION DETAIL
SUNDAY GULCH DRIVE/BIG JOHNSON DRIVE

DESIGNED BY: NMS
DRAWN BY: AAL
CHECKED BY: NMS

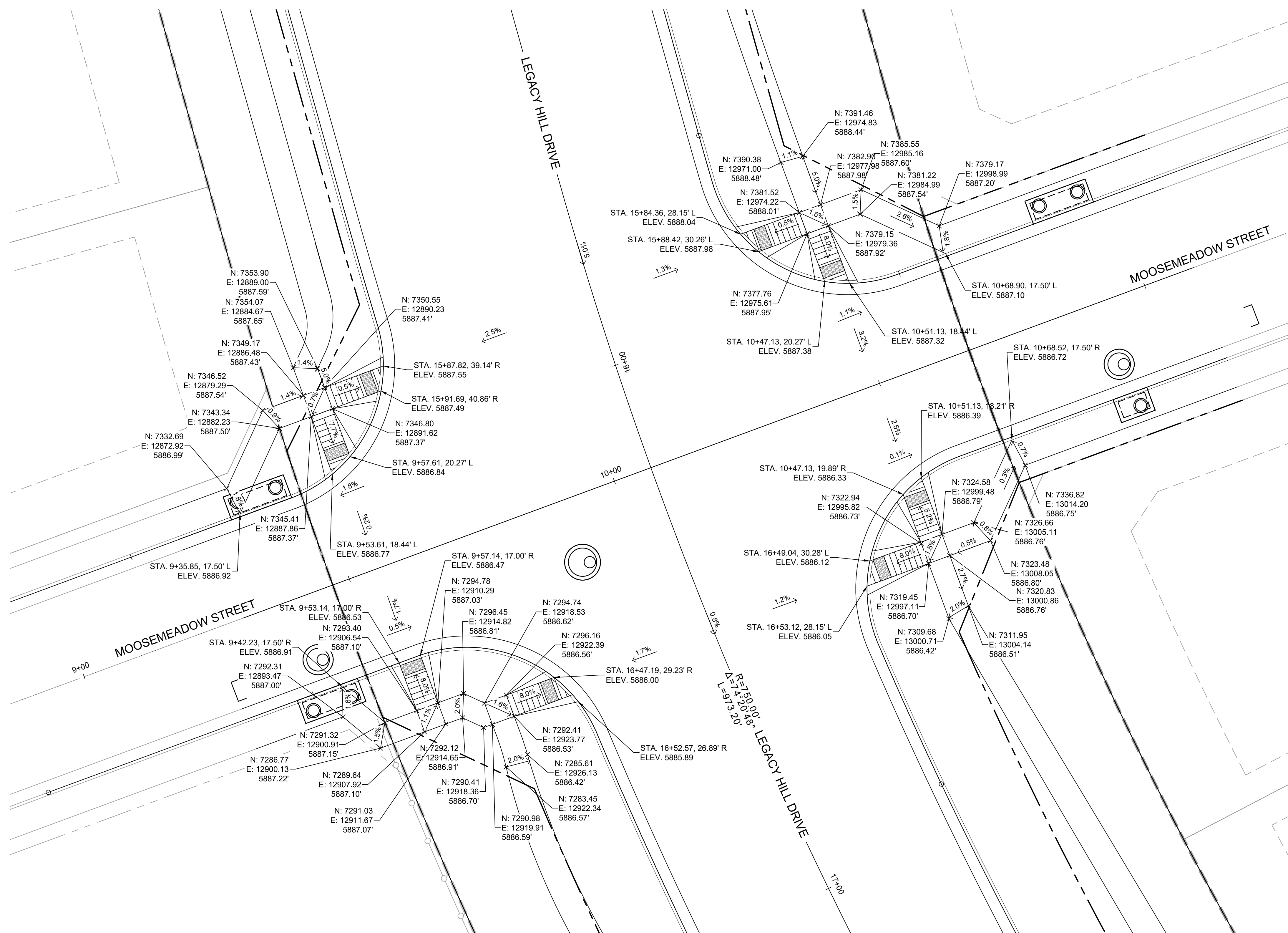
SCALE
HORIZ 1" = 10'
VERT. N/A

DATE ISSUED: SEPTEMBER, 2019
SHEET 15 OF 73

DRAWING No. INT01-L



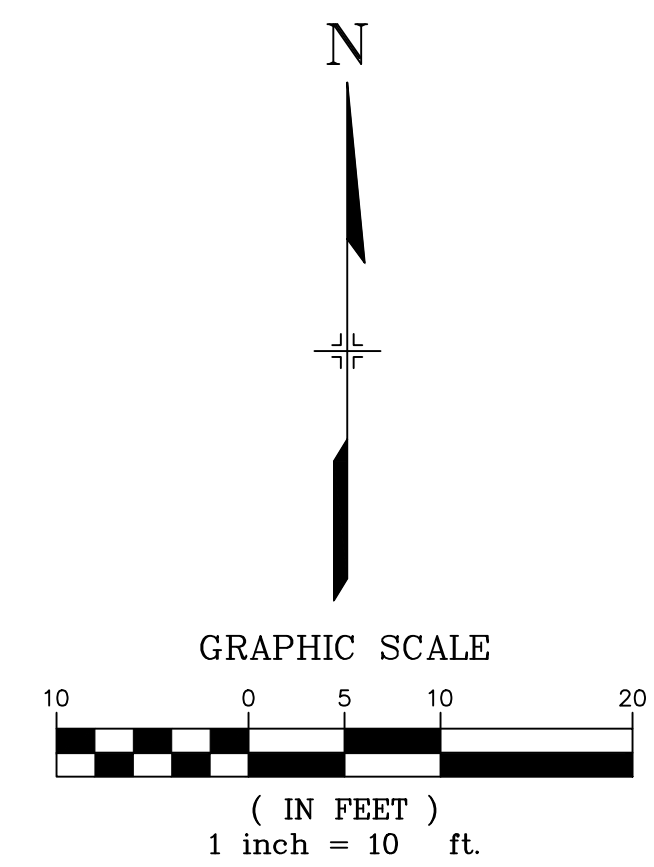
Know what's below.
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DETAIL C
**LEGACY HILL DRIVE/
MOOSEMEADOW STREET
PED RAMP DETAILS**

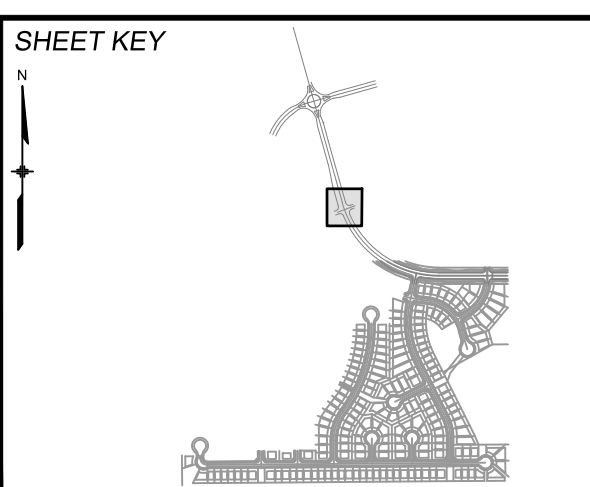
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Nicole Schanel
Date: 09/30/22
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.



EPC 2/13/2020

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 11:20:13 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)

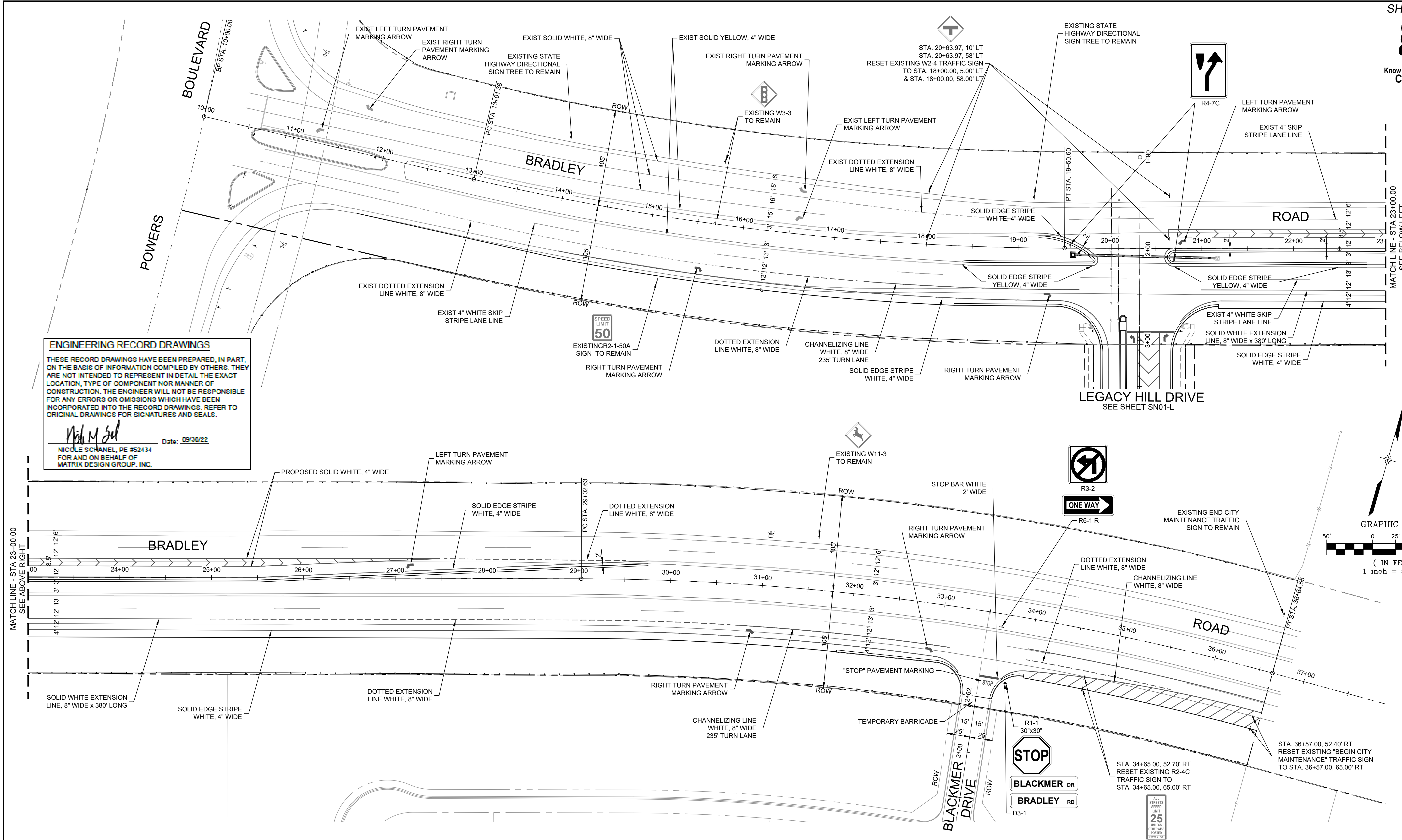
PREPARED BY:
Matrix
DESIGN GROUP



TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
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	

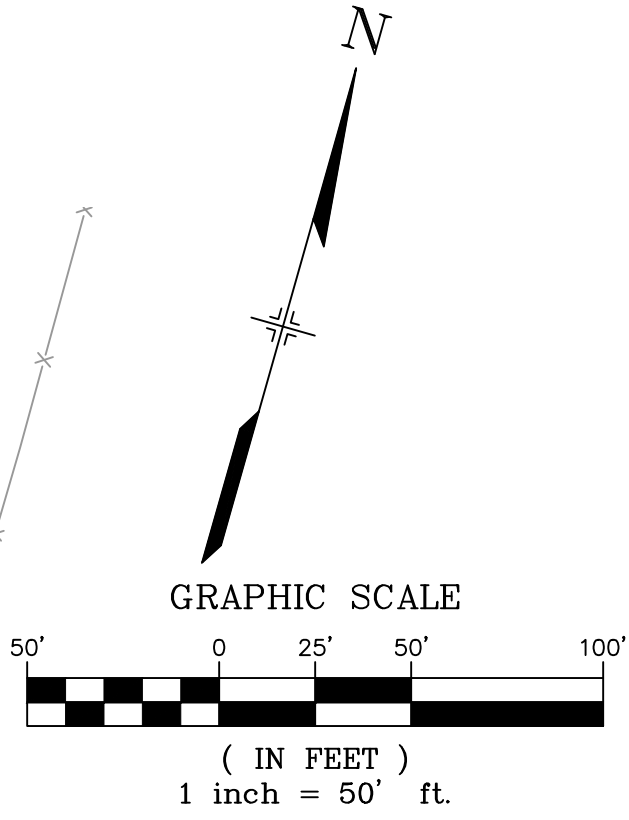


Know what's below.
Call before you dig.

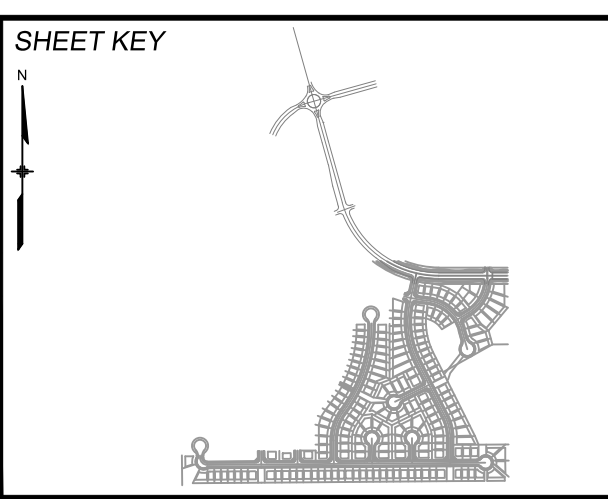


ENGINEERING RECORD DRAWINGS
 THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS. REFER TO ORIGINAL DRAWINGS FOR SIGNATURES AND SEALS.

Nicole Schanel
 NICOLE SCHANEL, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.
 Date: 09/30/22



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\SN01-Bradley-Legacy.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 11:21:23 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

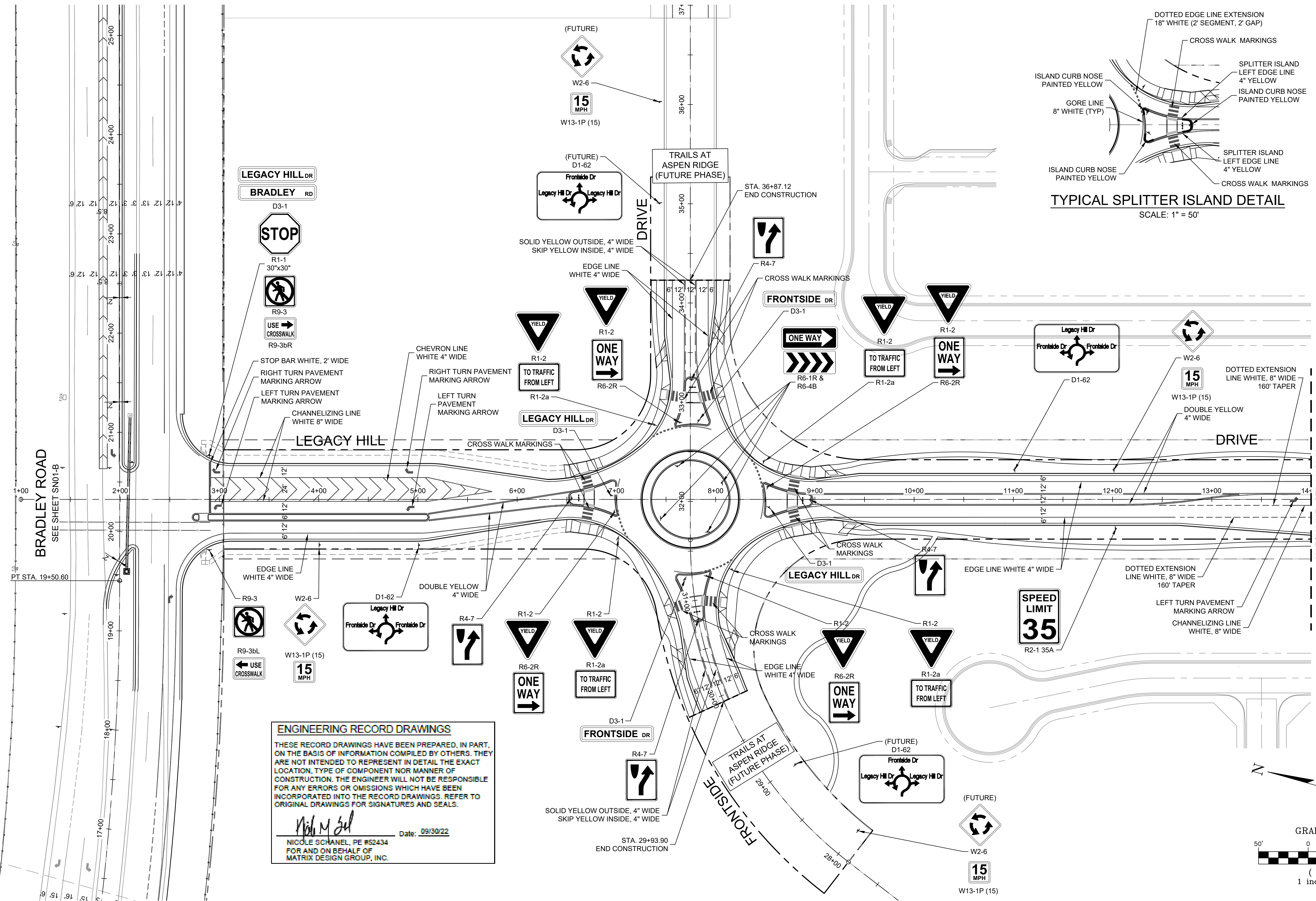
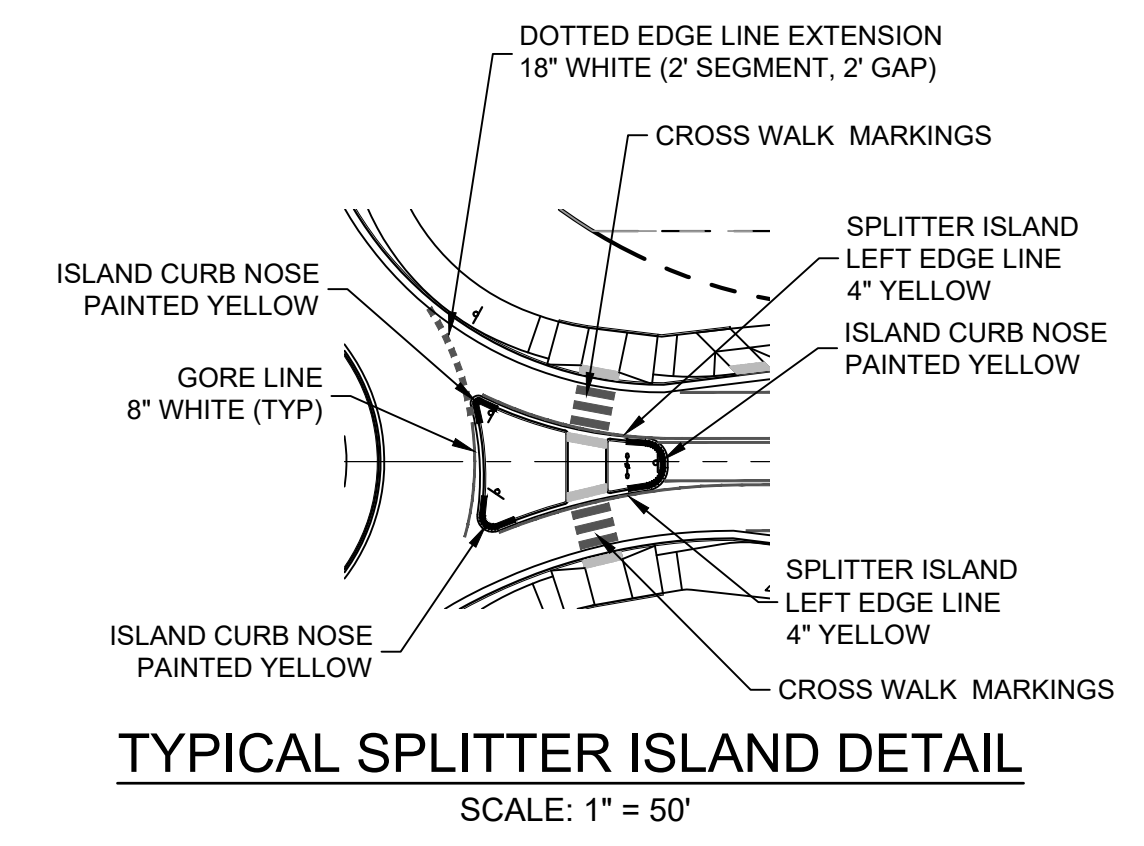
BASIS OF BEARING
 BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/2' CORNER OF SAID SECTION 9 (3 1/2' AULM. CAP 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: NMS	HORIZ. N.A.	SHEET 17 OF 73	
CHECKED BY: NMS	VERT. N.A.		



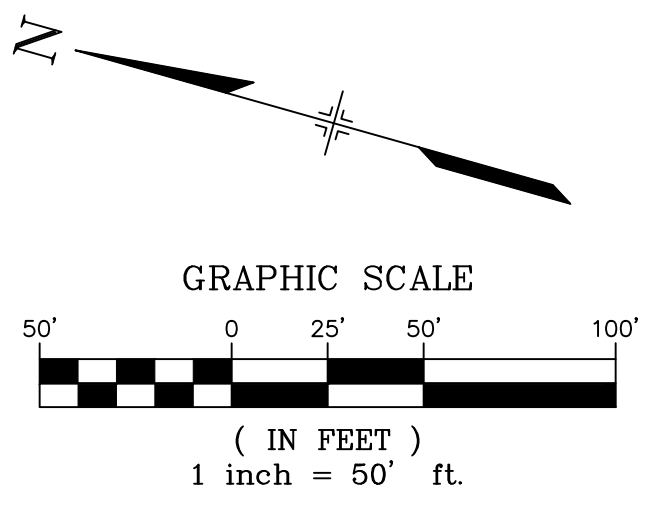
Know what's below. Call before you dig.



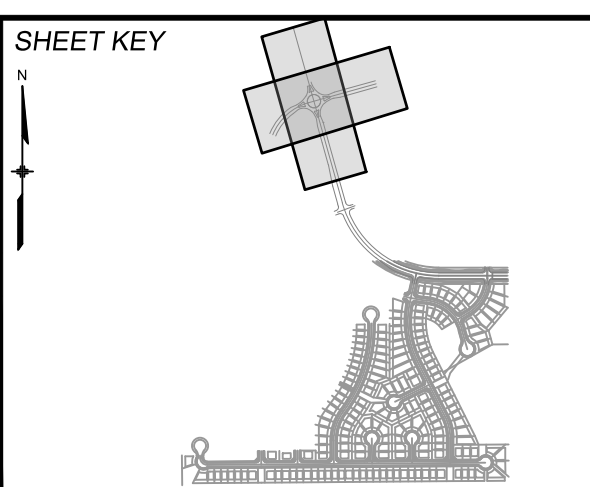
ENGINEERING RECORD DRAWINGS

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Nicole M. Schanel
 NICOLE SCHANEL, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.
 Date: 09/30/22



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			
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 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

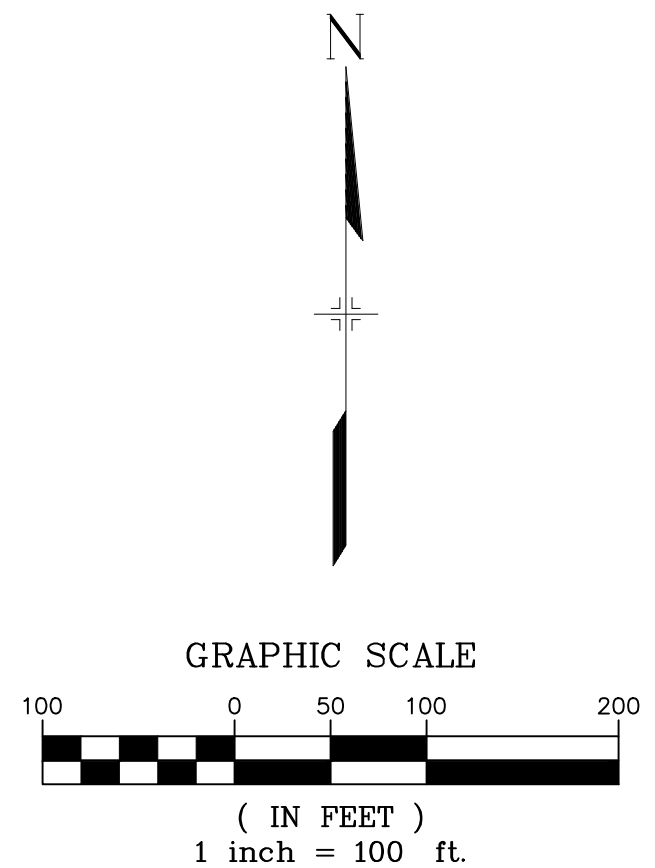
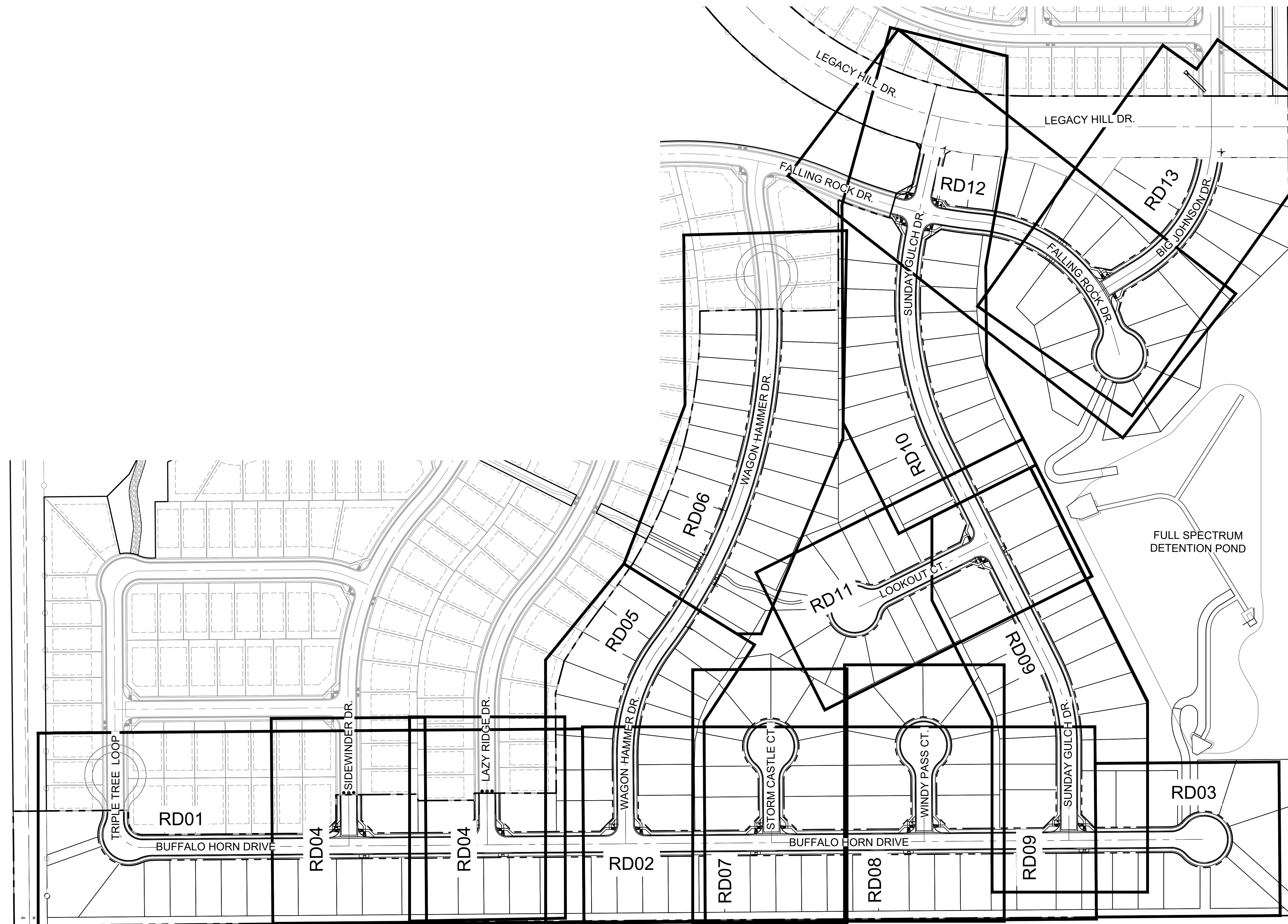
BASIS OF BEARING
 BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS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



TRAILS AT ASPEN RIDGE			
FILING NO. 1			
ROADWAY & STORM IMPROVEMENT PLANS			
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	



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

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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
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
 PLOT DATE: January 24, 2020 10:30:15 AM
 THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

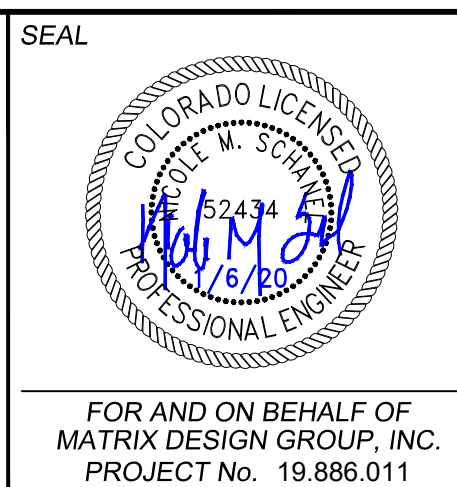
DESIGN DATA:
 SIDEWALKS: WIDTH 5'
 LOCATION: ATTACHED DETACHED
 DESIGN SPEED: 25 MPH
 CURB TYPE: A B C D E
 ROW WIDTH: 50' FL-FL 32.33'
 STREET TYPE: RESIDENTIAL

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

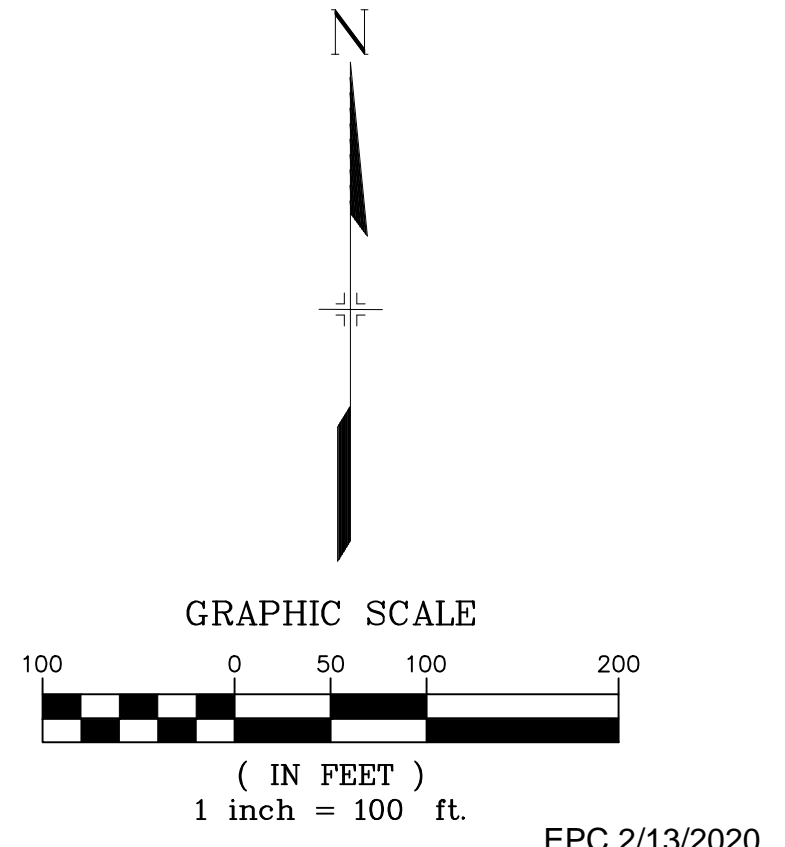
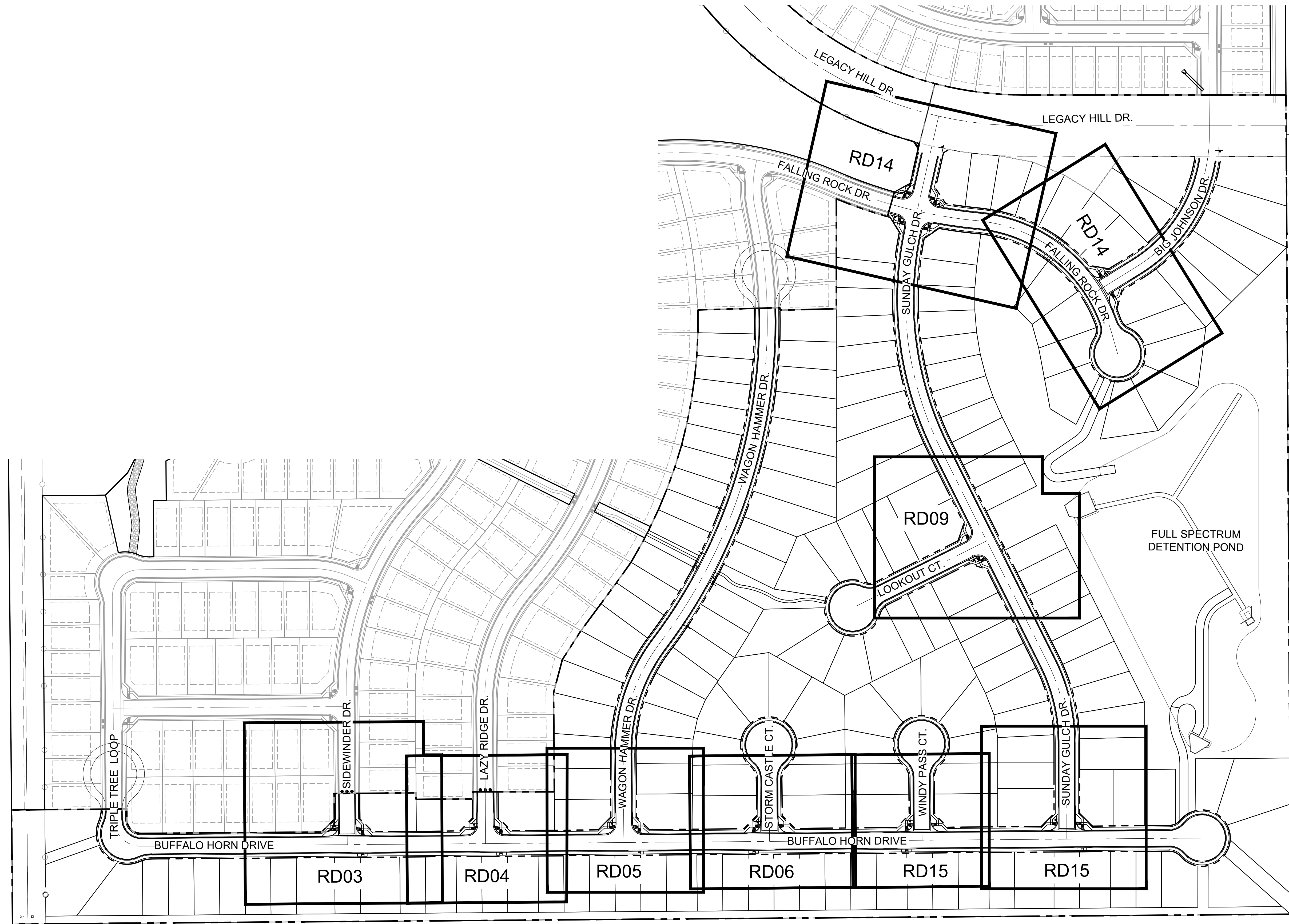
FILING NO. 1 EPC 2/13/2020
 ROADWAY & STORMDRAIN IMPROVEMENT PLANS

KEY MAP
 INTERNAL ROADWAY PLAN & PROFILE SHEETS

DESIGNED BY: NMS	SCALE: 1" = 100'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No.
DRAWN BY: TJC	HORIZ. 1" = 100'	SHEET 20 OF 73	RDX1
CHECKED BY: NMS	VERT. N/A		



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\RD-MAP.dwg
 CTB FILE: ----
 PLOT DATE: January 24, 2020 10:30:36 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: _____ 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

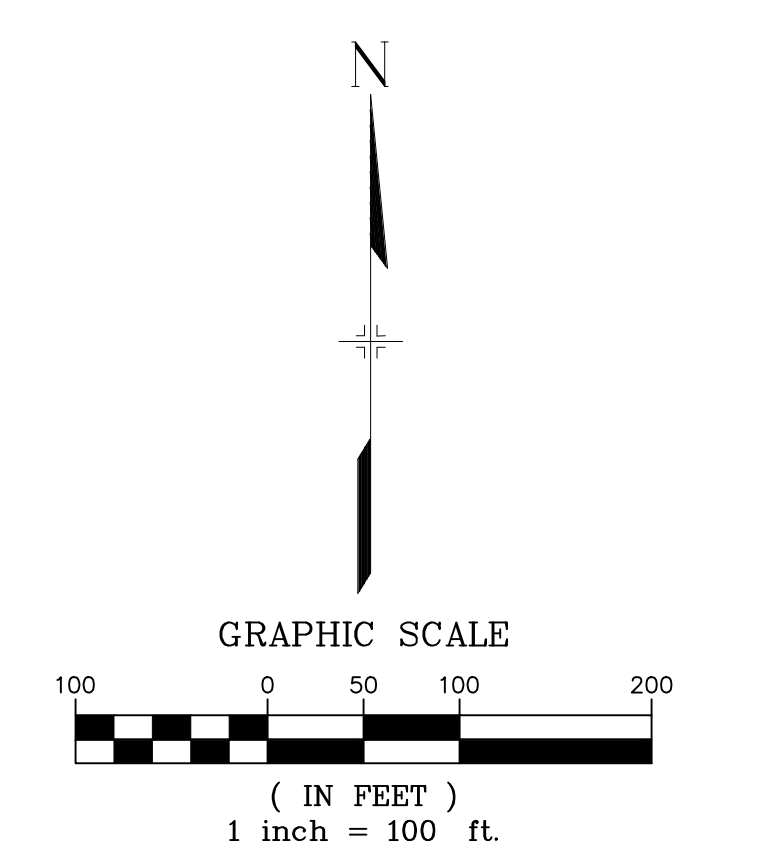
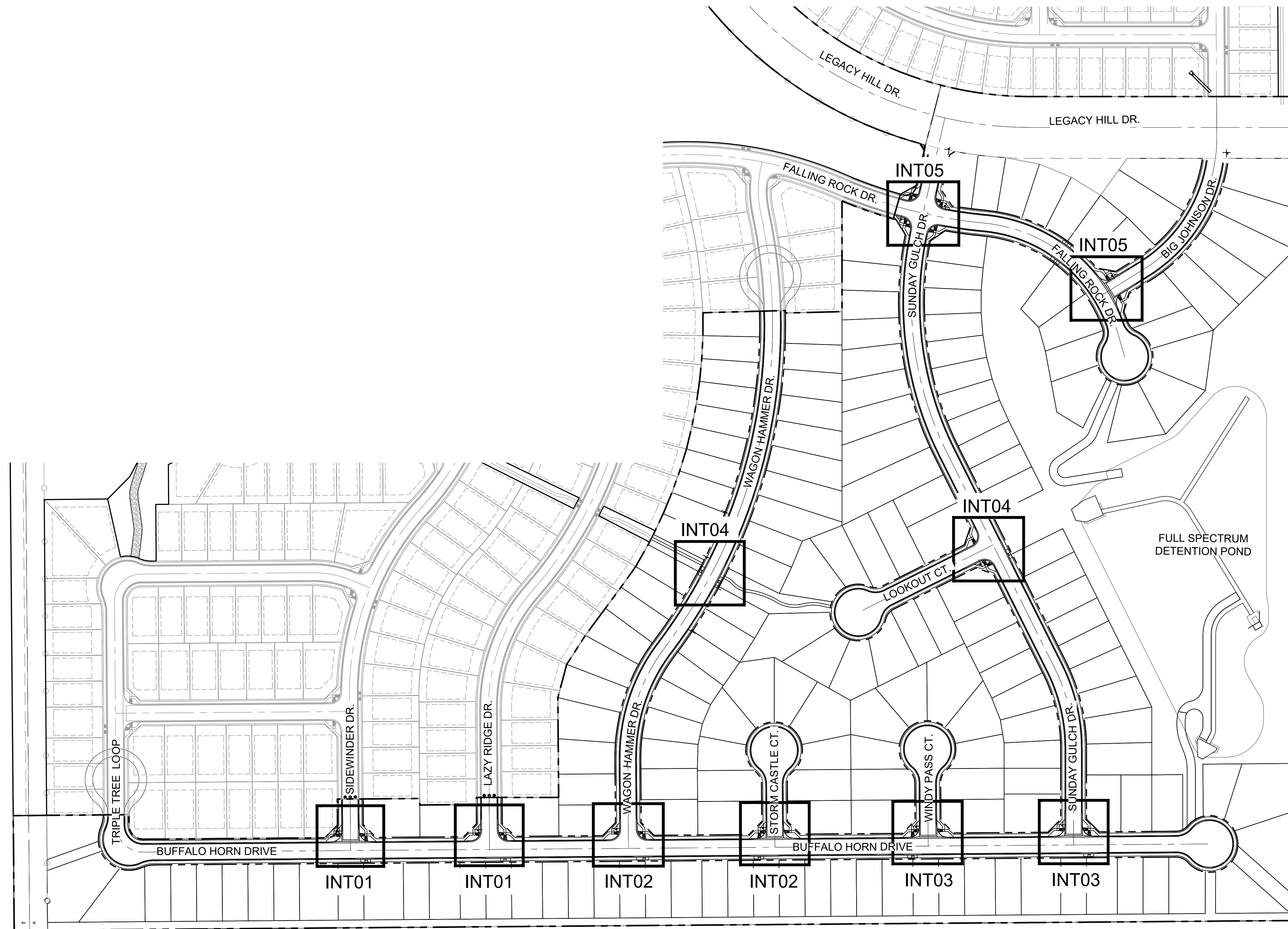
FILING NO. 1
 ROADWAY & STORMDRAIN IMPROVEMENT PLANS

KEY MAP
 CURB RETURN FLOW LINE PROFILE SHEETS

DESIGNED BY: NMS	SCALE: 1" = 100'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No.
DRAWN BY: TJC	HORIZ. 1" = 100'	SHEET 21 OF 73	RDX2
CHECKED BY: NMS	VERT. N/A		



Know what's below.
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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
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 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 10:30:55 AM
 THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

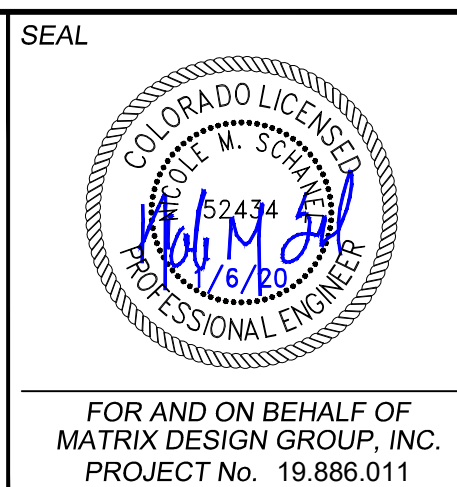
DESIGN DATA:
 SIDEWALKS: WIDTH 5'
 LOCATION: ATTACHED DETACHED
 DESIGN SPEED: 25 MPH
 CURB TYPE: A B C D E
 ROW WIDTH 50' FL-FL 32.33'
 STREET TYPE RESIDENTIAL

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

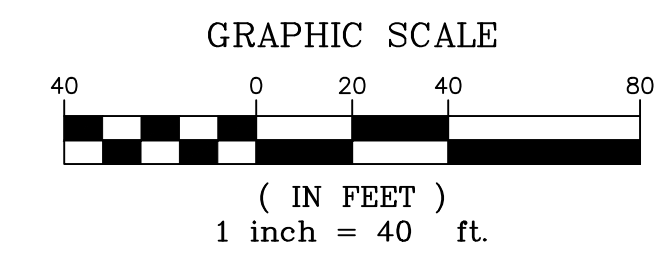
FILING NO. 1
 ROADWAY & STORMDRAIN IMPROVEMENT PLANS

KEY MAP
 PEDESTRIAN RAMP DETAIL SHEETS

DESIGNED BY: NMS	SCALE: 1" = 100'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No.
DRAWN BY: TJC	HORIZ. N/A	SHEET 22 OF 73	RDX3
CHECKED BY: NMS	VERT. N/A		

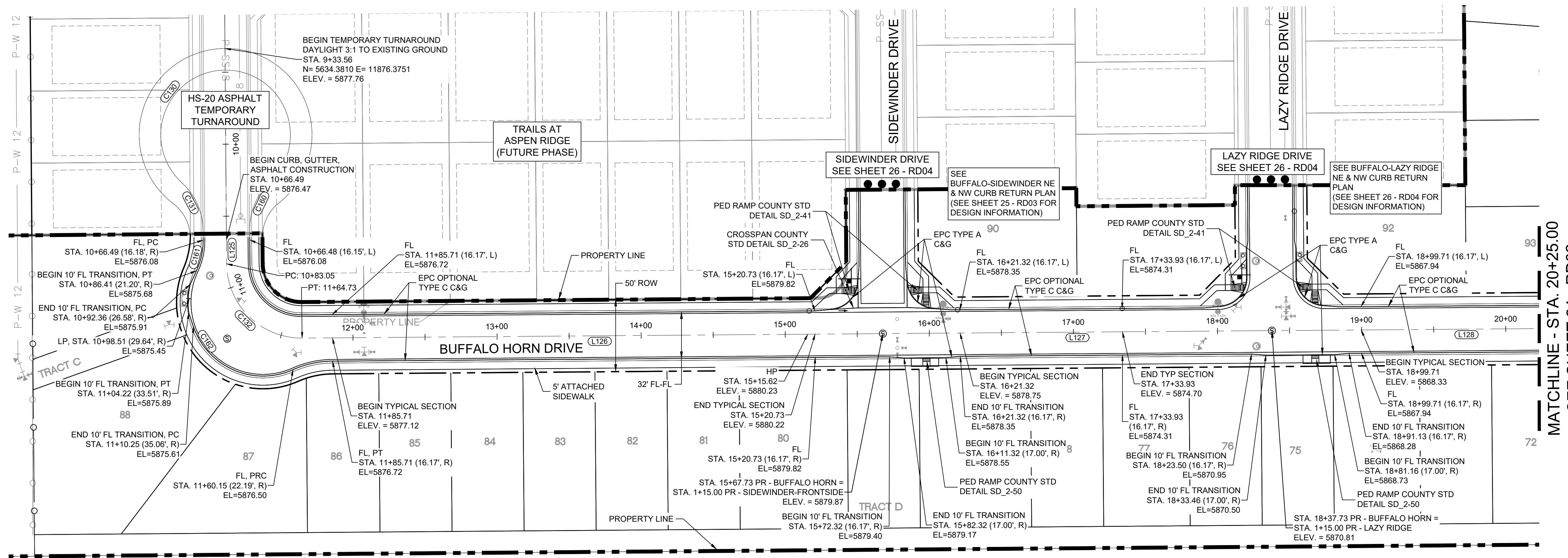


Know what's below.
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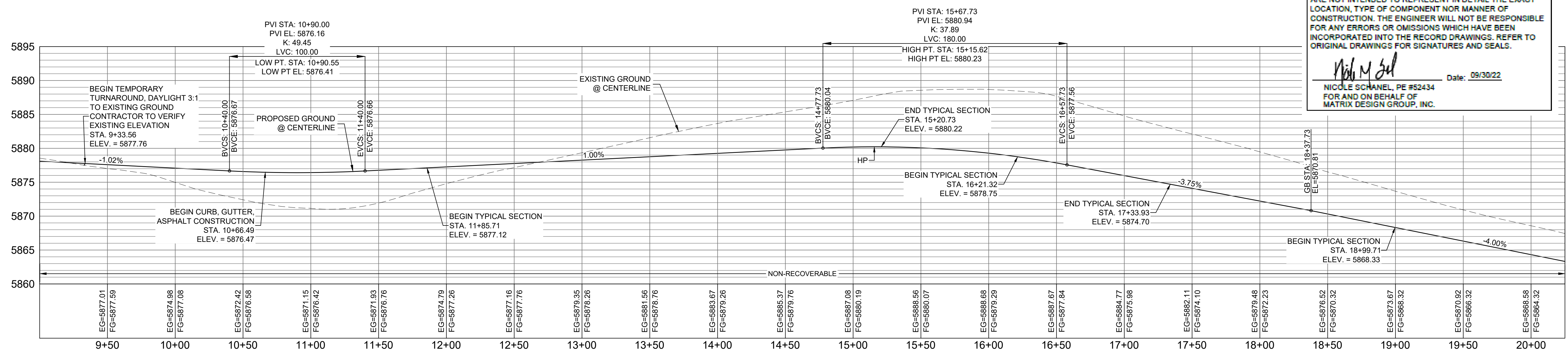
LINE #	BEARING	DISTANCE
L125	S00°26'32"E	20.94
L126	N89°33'35"E	403.00
L127	N89°33'35"E	270.00
L128	N89°33'35"E	270.00

CURVE #	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

ENGINEERING RECORD DRAWINGS
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 Date: 09/30/22
 Nicole Schanel, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.



BUFFALO HORN DRIVE CL PROFILE

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

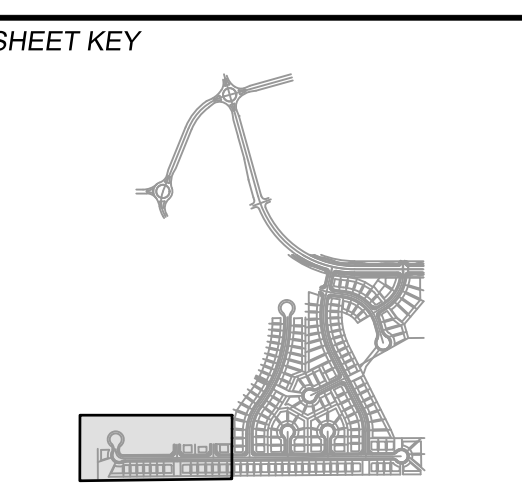
BENCHMARK
 COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
 A BERTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.
 ELEVATION - 5897.89' U.S. SURVEY FT

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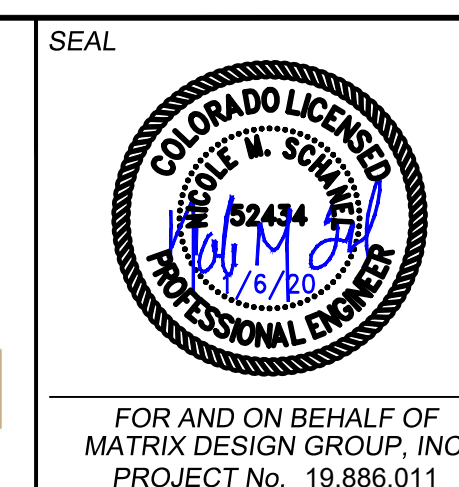
MATCHLINE - STA. 20+25.00
SEE SHEET 24 - RD02

No.	DATE	DESCRIPTION	BY
REVISIONS			
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f11)104 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



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

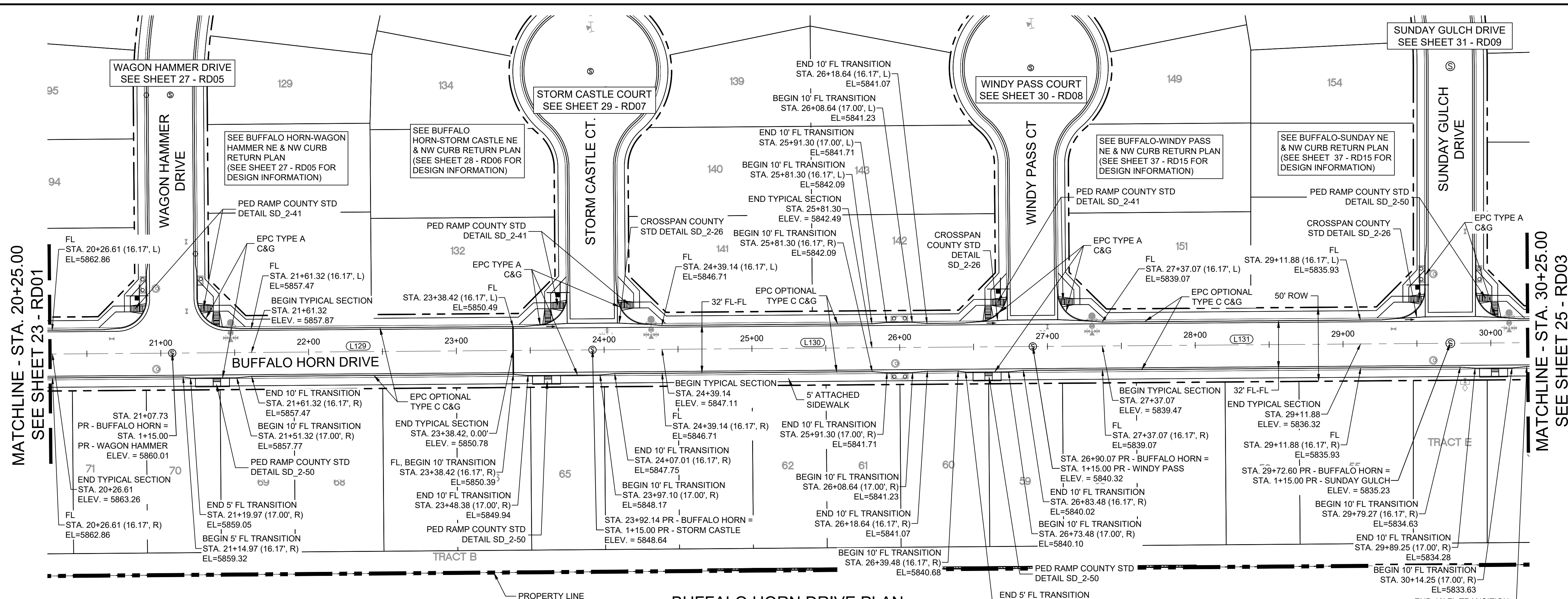
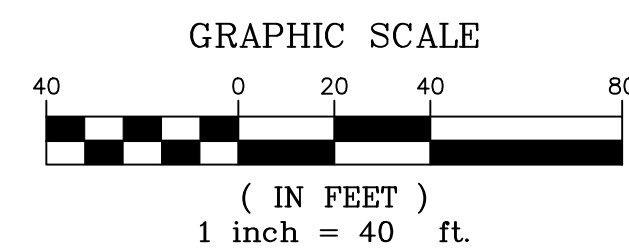
FILING NO. 1
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

ROADWAY PLAN & PROFILE

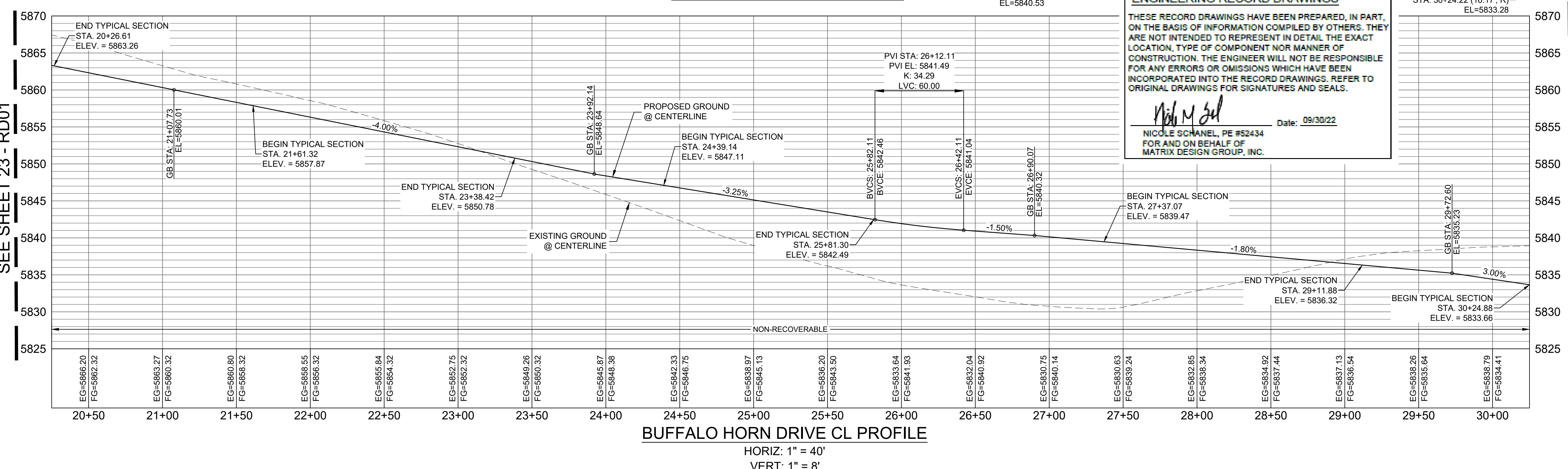
DESIGNED BY: NMS	SCALE: 1"=40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RD01
DRAWN BY: TJC	HORIZ: 1"=40'	SHEET 23 OF 73	
CHECKED BY: NMS	VERT: 1"=8'		



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



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 Nicole Schanel, PE #52434
 FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
 Date: 09/30/22

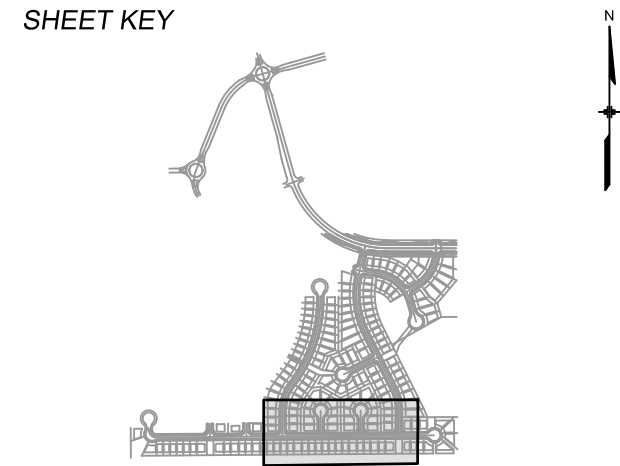
MATCHLINE - STA. 30+25.00
SEE SHEET 25 - RD03

MATCHLINE - STA. 20+25.00
SEE SHEET 23 - RD01

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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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			

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.

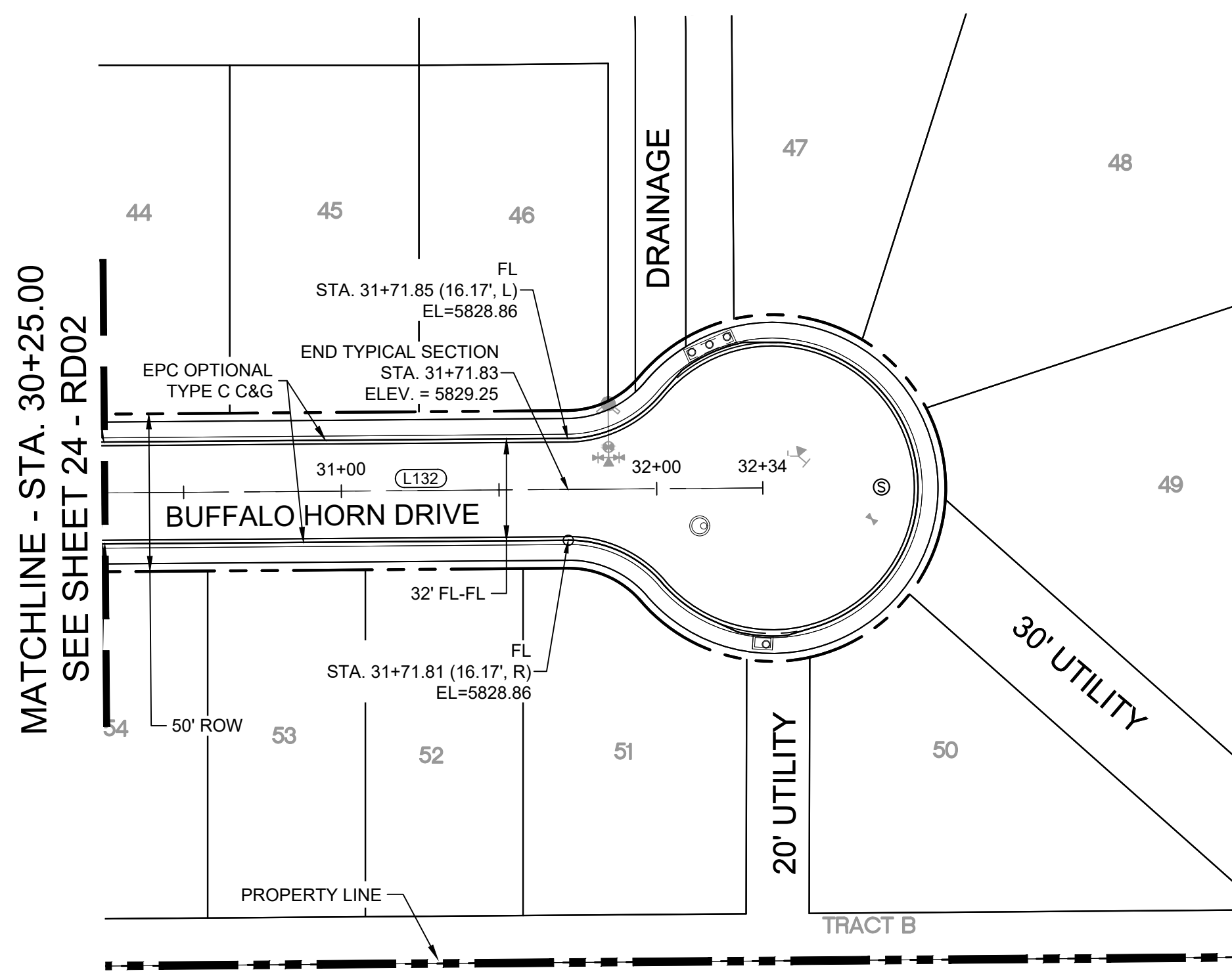


TRAILS AT ASPEN RIDGE
 FILING NO. 1
 ROADWAY & STORMDRAIN IMPROVEMENT PLANS
ROADWAY PLAN & PROFILE

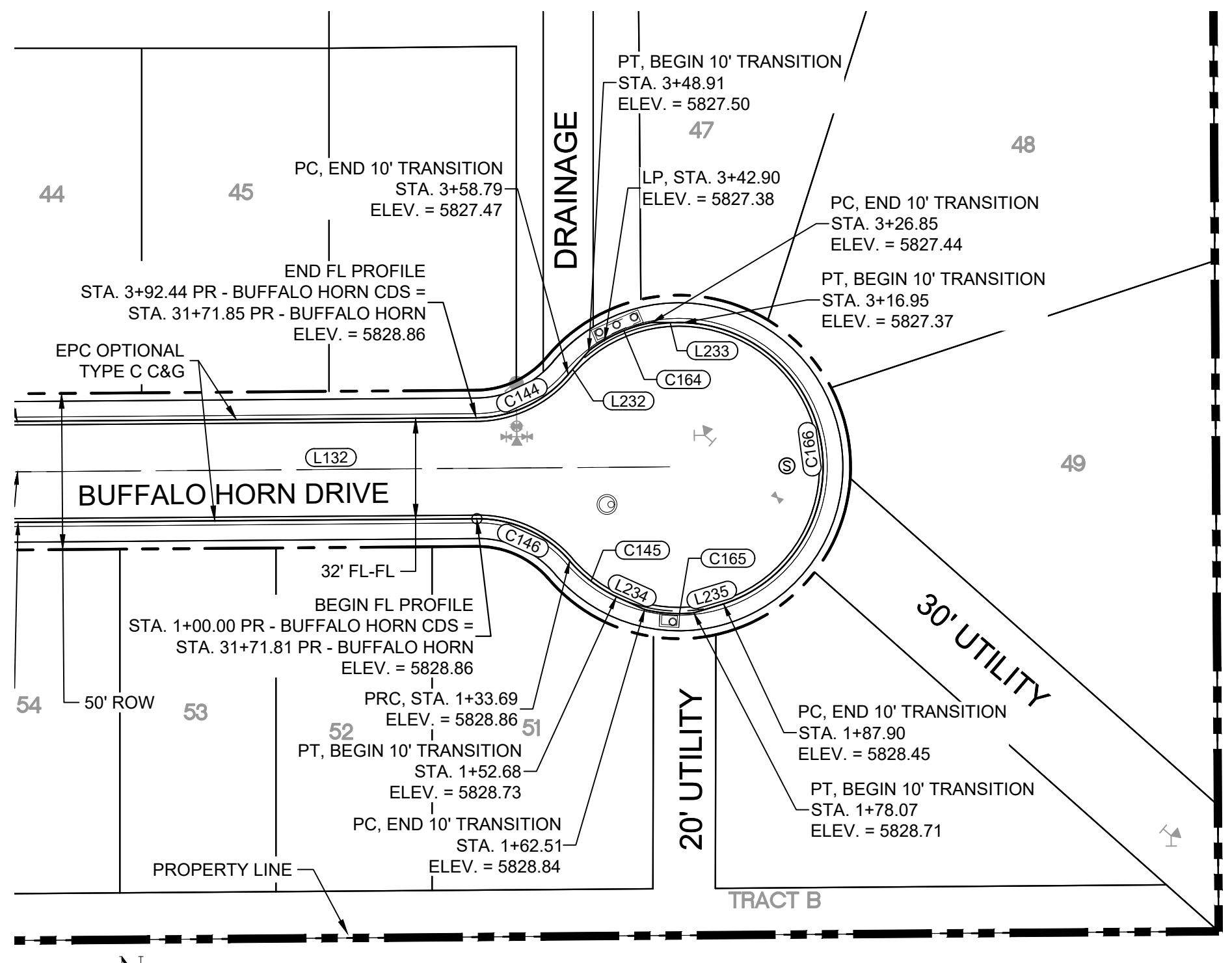
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CHECKED BY: NMS	VERT. 1"=8'	SHEET 24 OF 73	



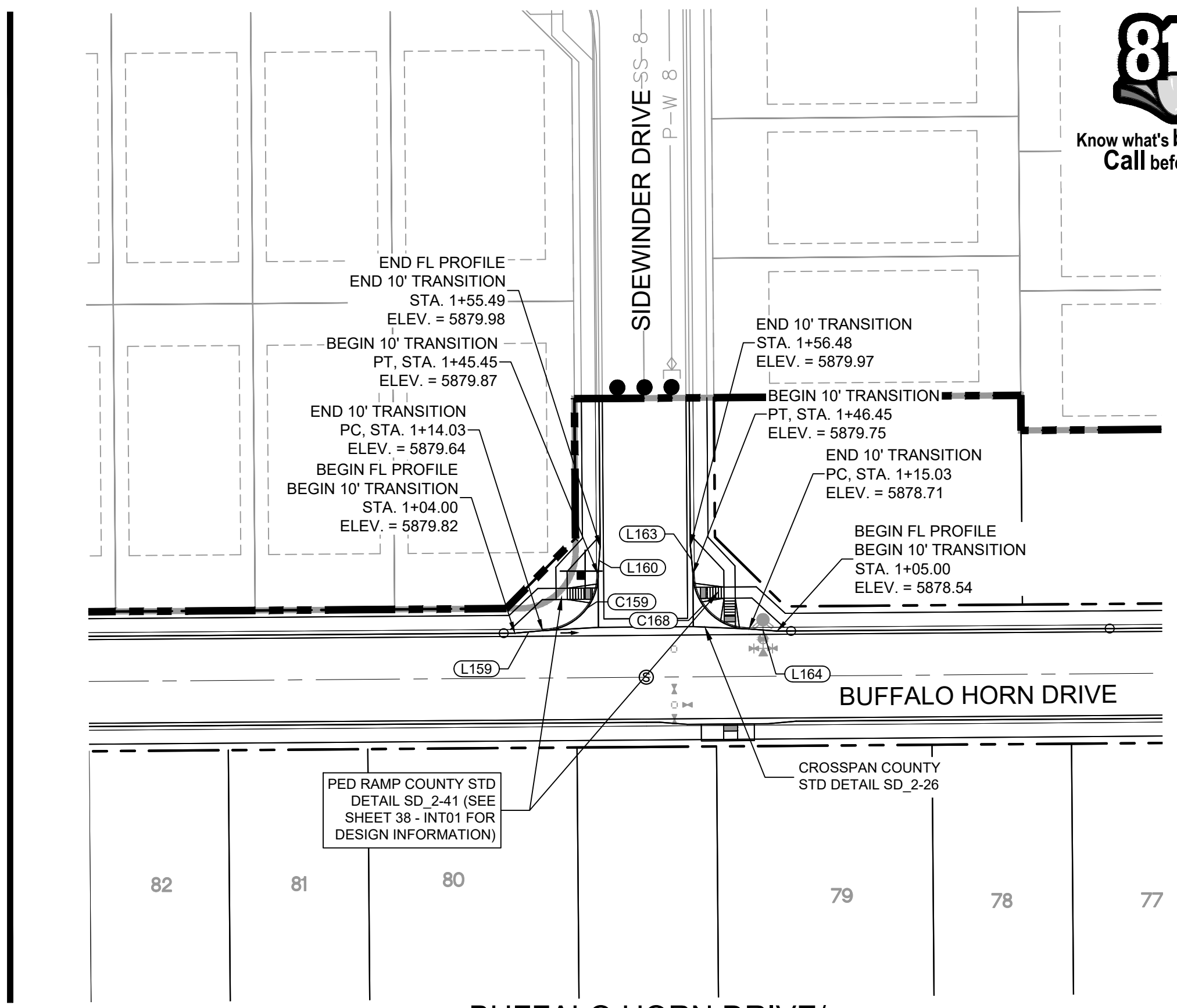
Know what's below. Call before you dig.



BUFFALO HORN DRIVE PLAN



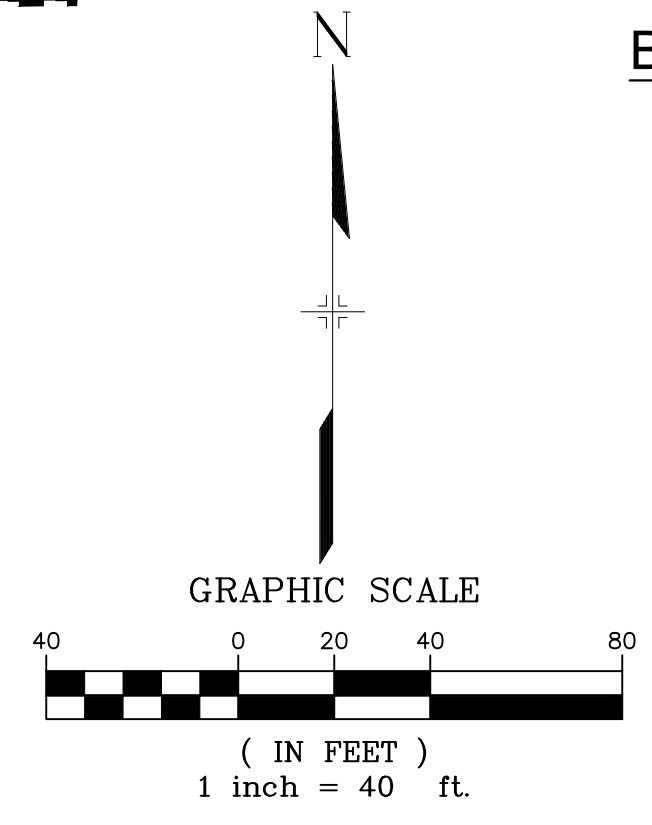
BUFFALO HORN DRIVE CDS FL PLAN



BUFFALO HORN DRIVE / SIDEWINDER DRIVE CURB RETURNS PLAN

LINE #	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 #	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"

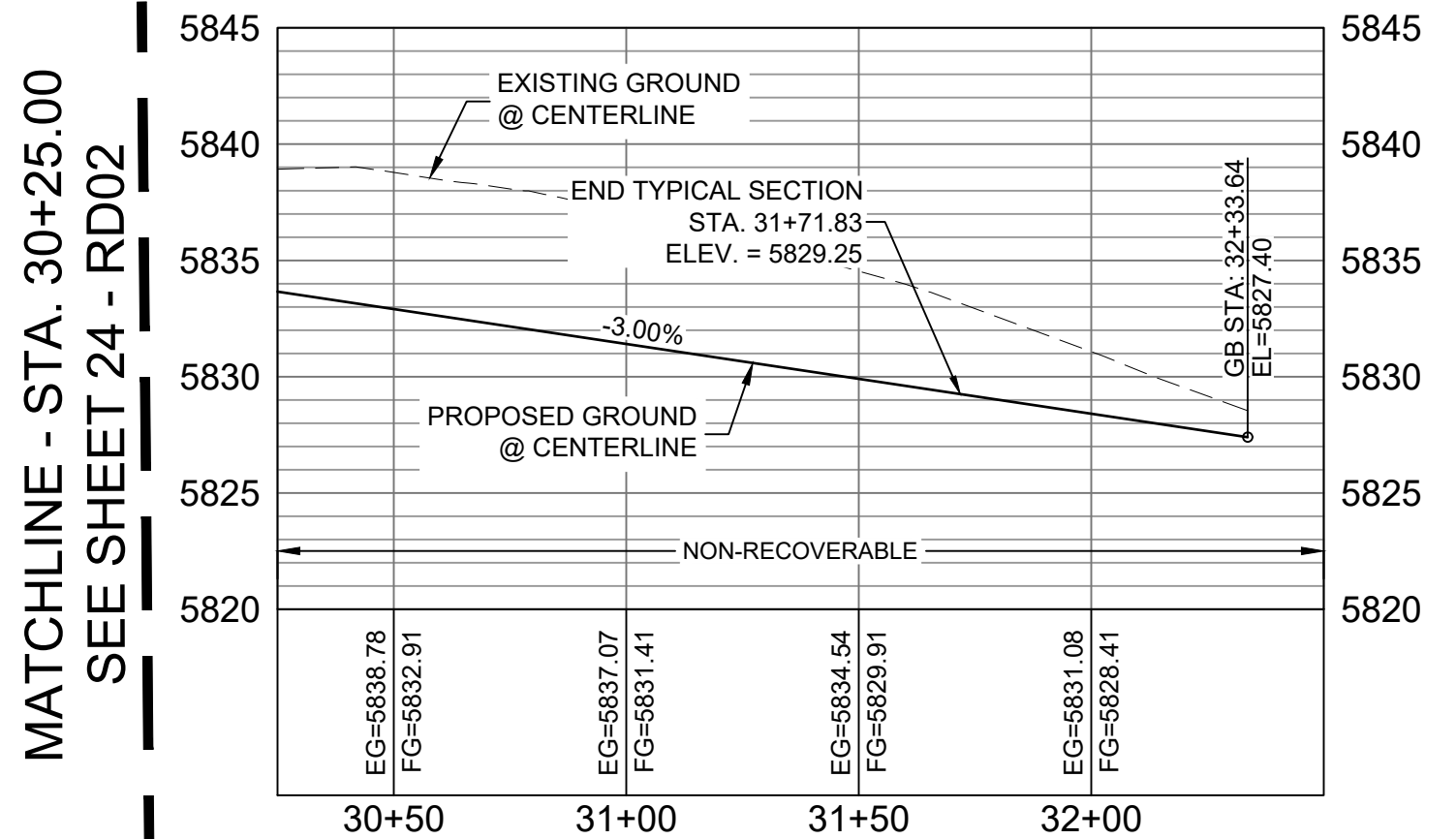


ENGINEERING RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OR COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS. REFER TO ORIGINAL DRAWINGS FOR SIGNATURES AND SEALS.

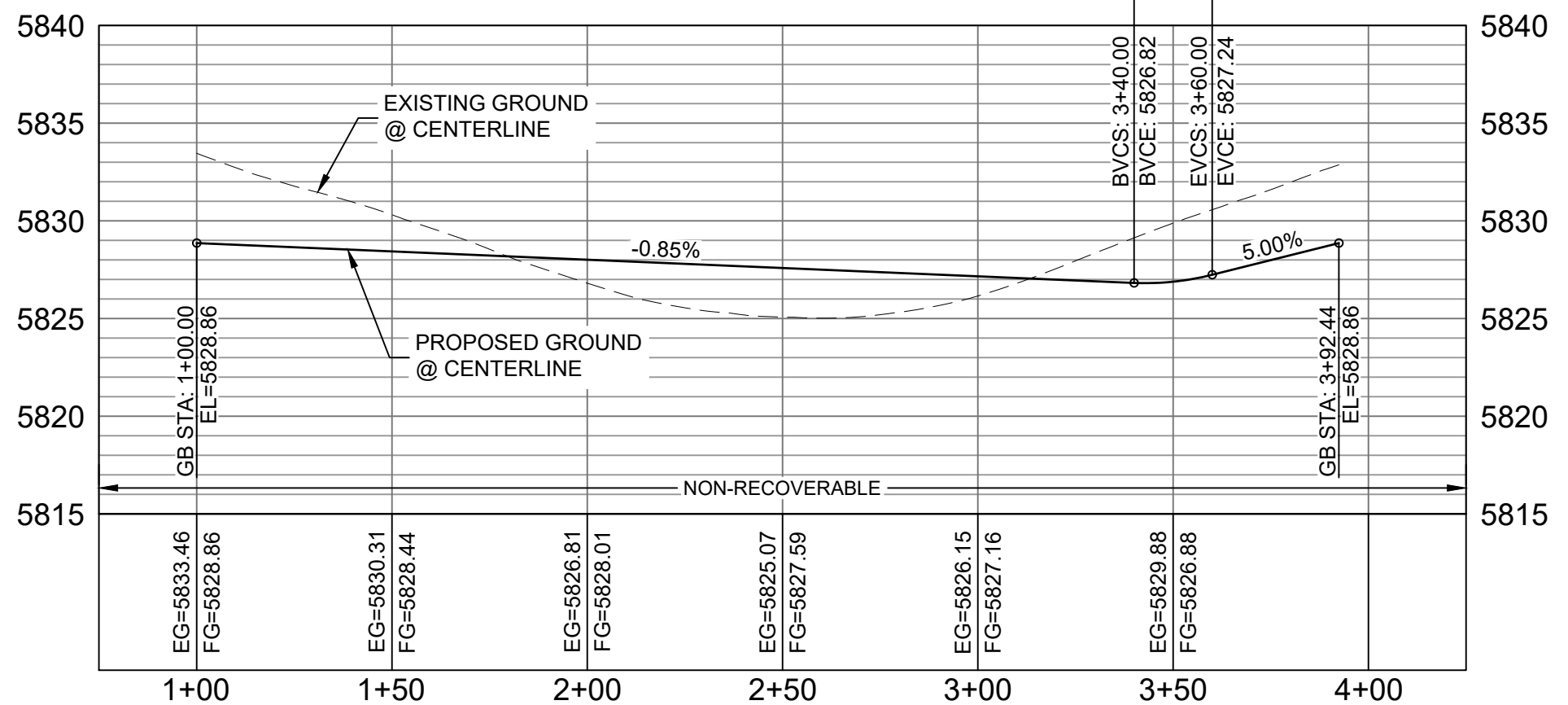
Nicole Schanel Date: 09/30/22
 NICOLE SCHANEL, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.

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



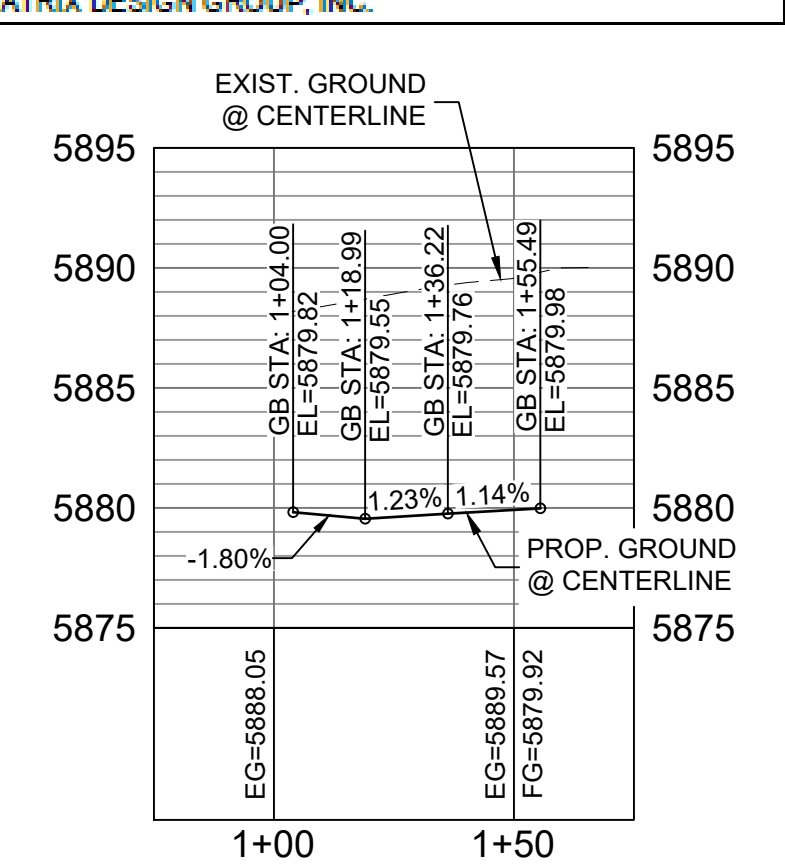
BUFFALO HORN DRIVE CL PROFILE

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



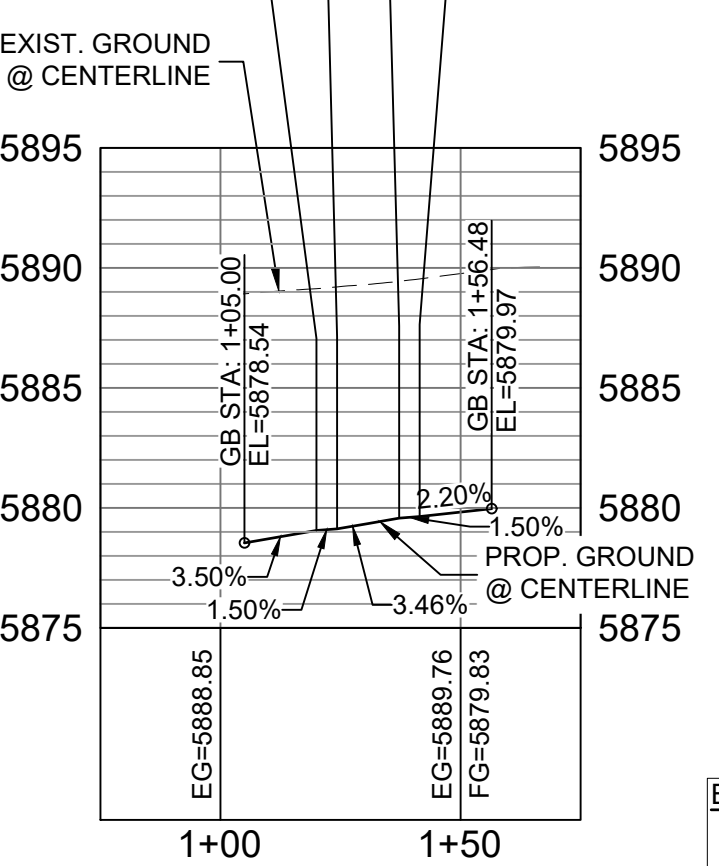
BUFFALO HORN DRIVE CDS FL PROFILE

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'

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

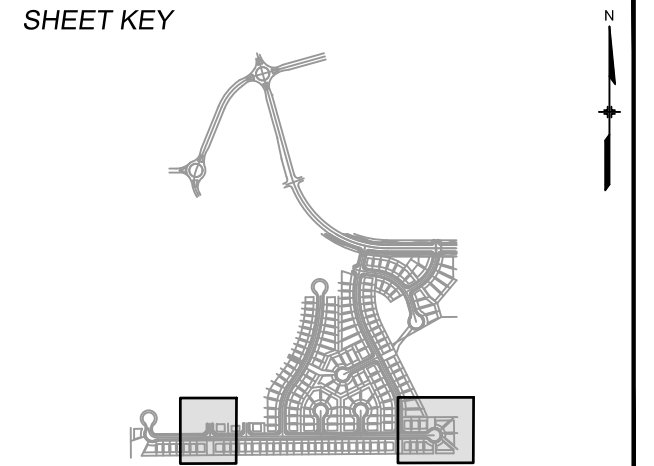
BASIS OF BEARING
 BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/2' AULM. CAP PLS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

No.	DATE	DESCRIPTION	BY
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 11:23:56 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: _____ 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.

PREPARED BY:

SEAL

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

TRAILS AT ASPEN RIDGE

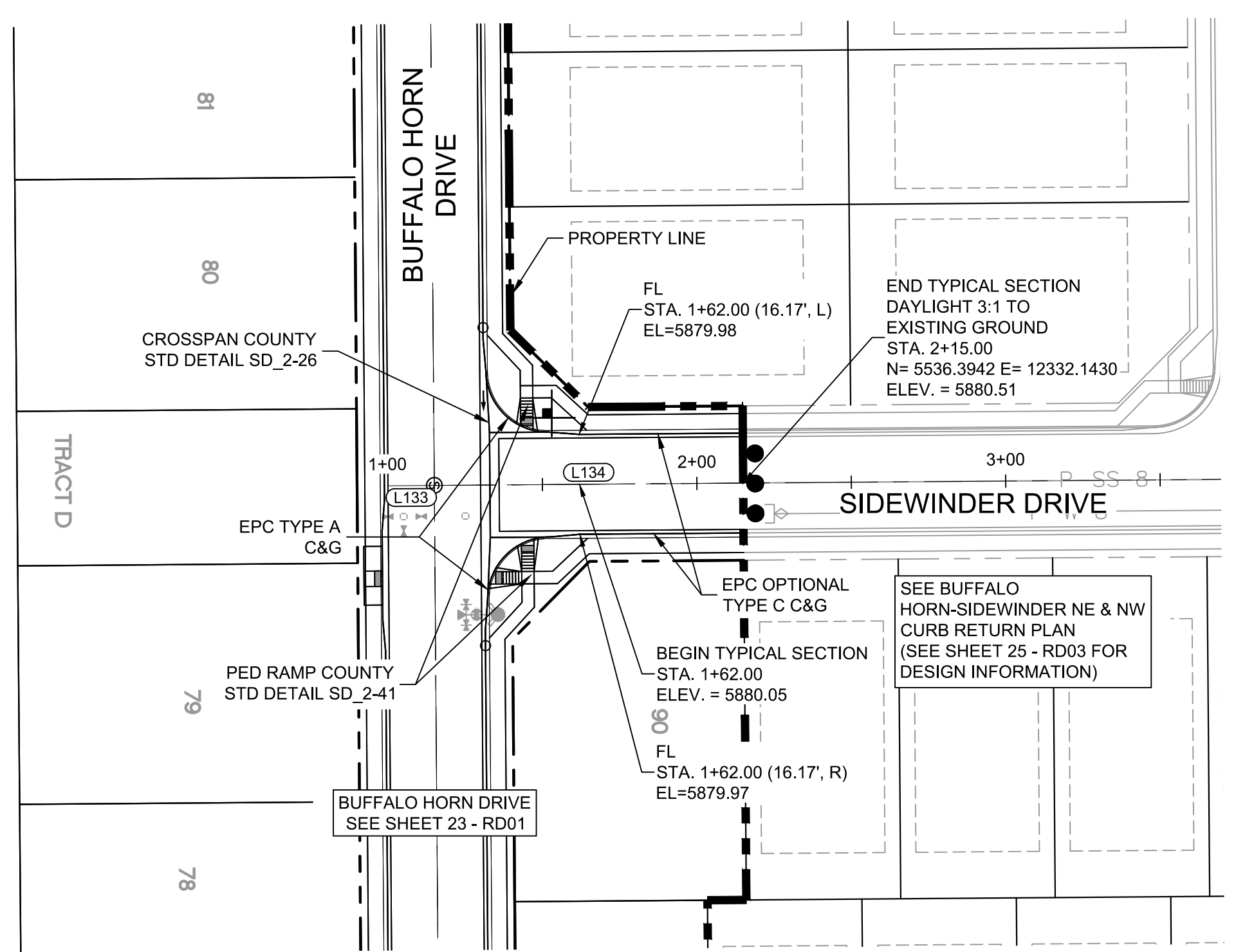
FILING NO. 1
 ROADWAY & STORMDRAIN IMPROVEMENT PLANS

ROADWAY PLAN & PROFILE

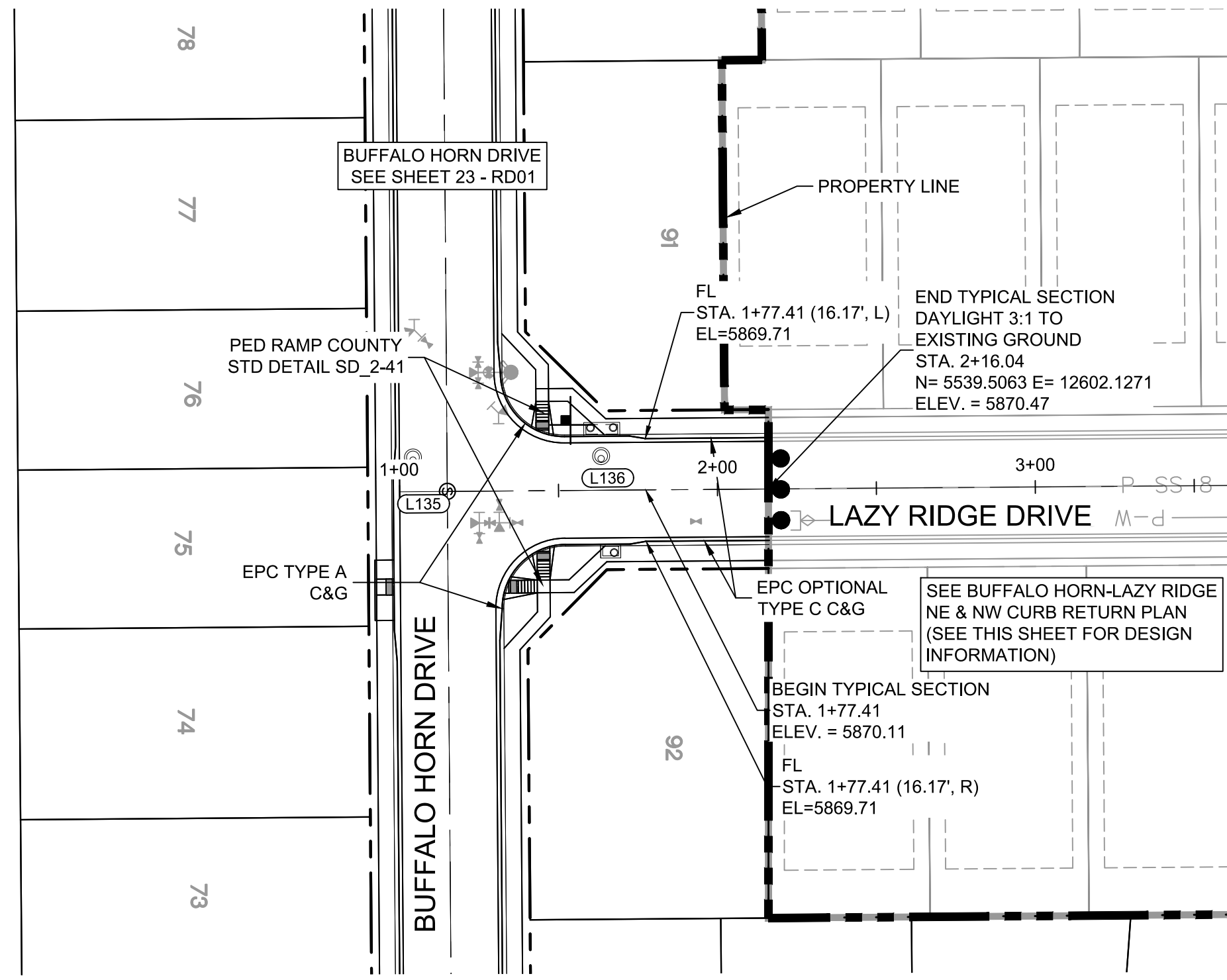
DESIGNED BY: NMS	SCALE: 1"=40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RD03
DRAWN BY: TJC	HORIZ. 1"=40'	SHEET 25 OF 73	
CHECKED BY: NMS	VERT. 1"=8'		



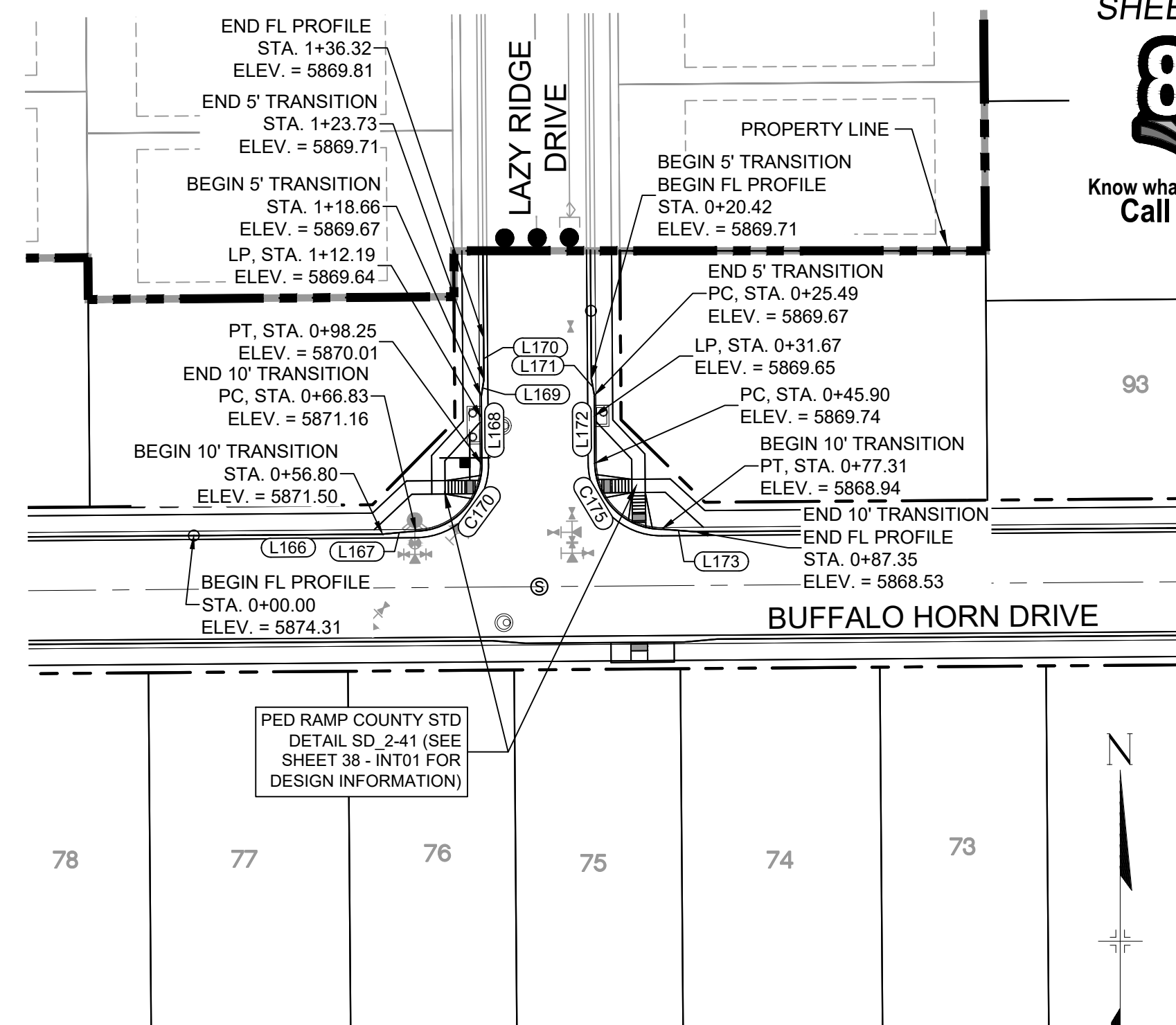
Know what's below.
Call before you dig.



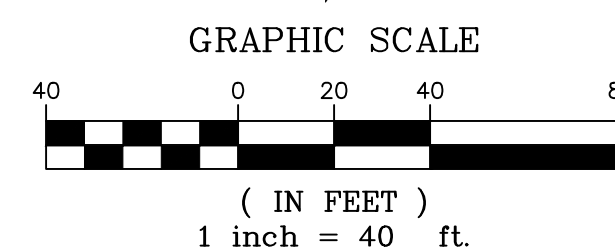
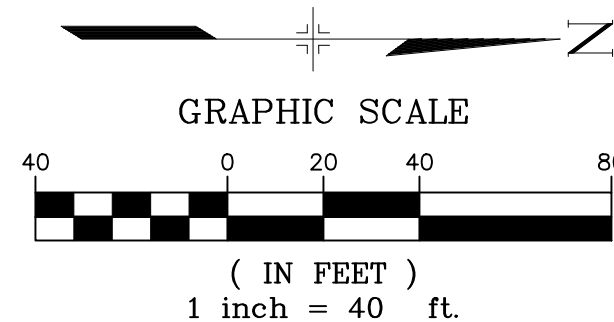
SIDEWINDER DRIVE PLAN



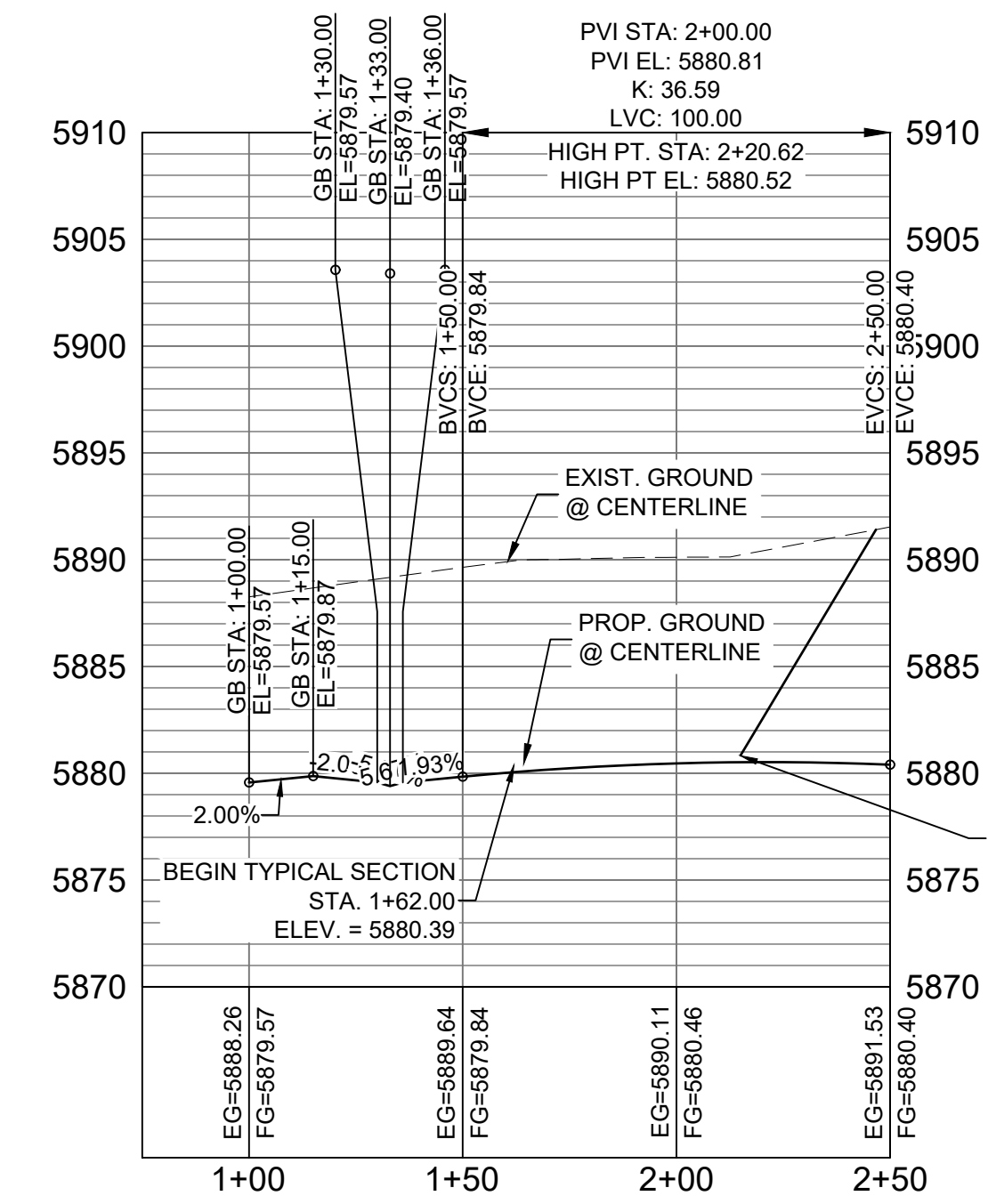
LAZY RIDGE DRIVE PLAN



BUFFALO HORN DRIVE / LAZY RIDGE DRIVE CURB RETURNS PLAN



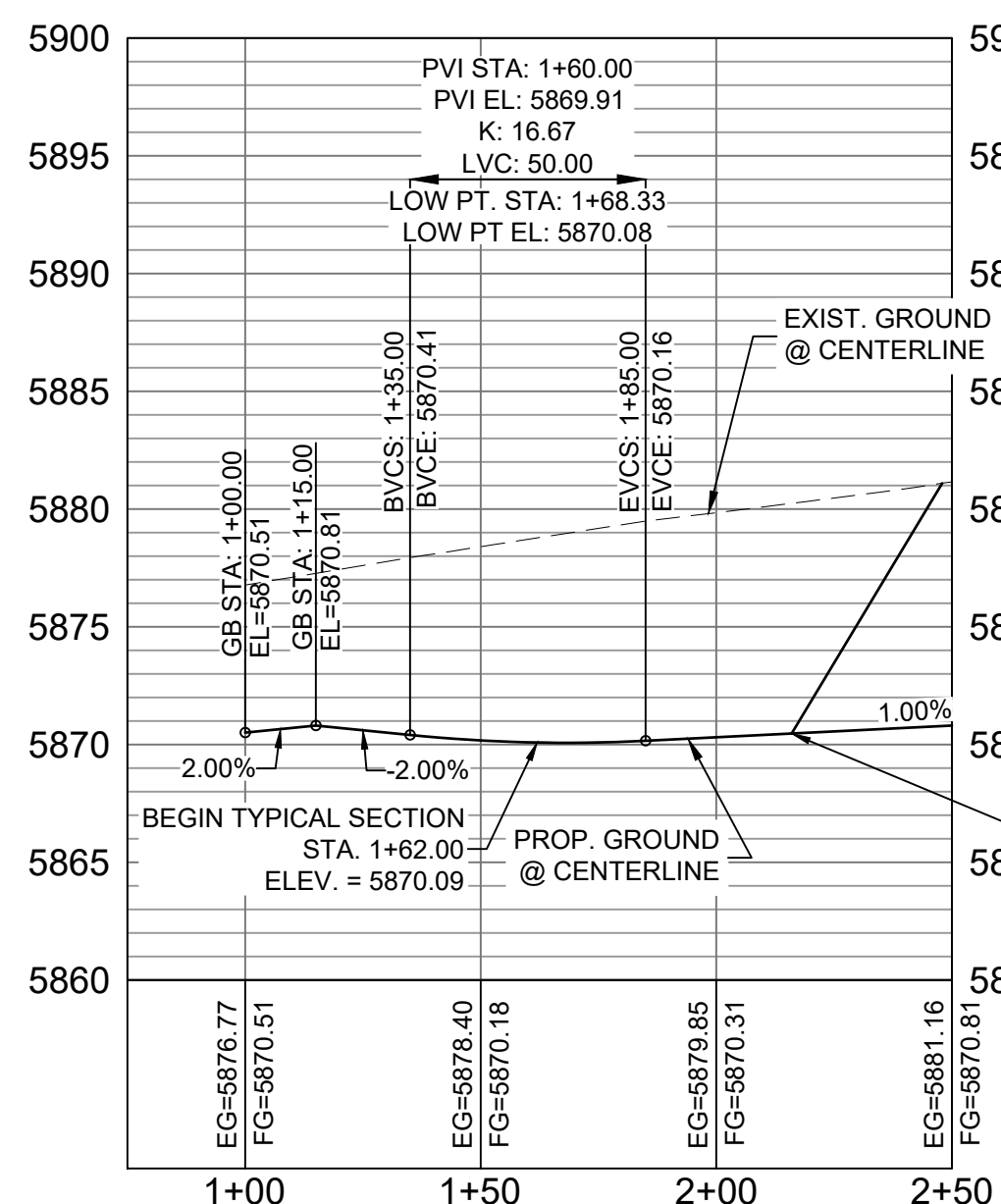
ENGINEERING RECORD DRAWINGS
 THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS. REFER TO ORIGINAL DRAWINGS FOR SIGNATURES AND SEALS.
 Date: 09/30/22
 NICOLE SCHANEL, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.



SIDEWINDER DRIVE CL PROFILE

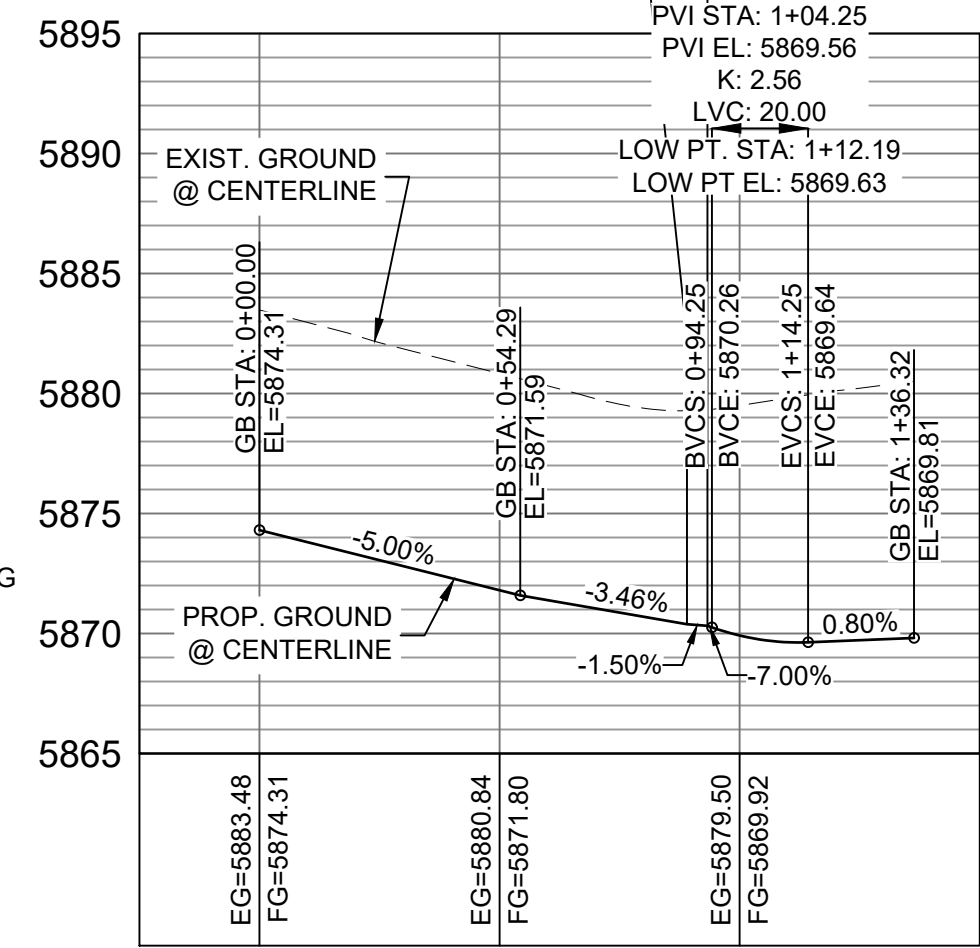
HORIZ: 1" = 40'
VERT: 1" = 8'

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



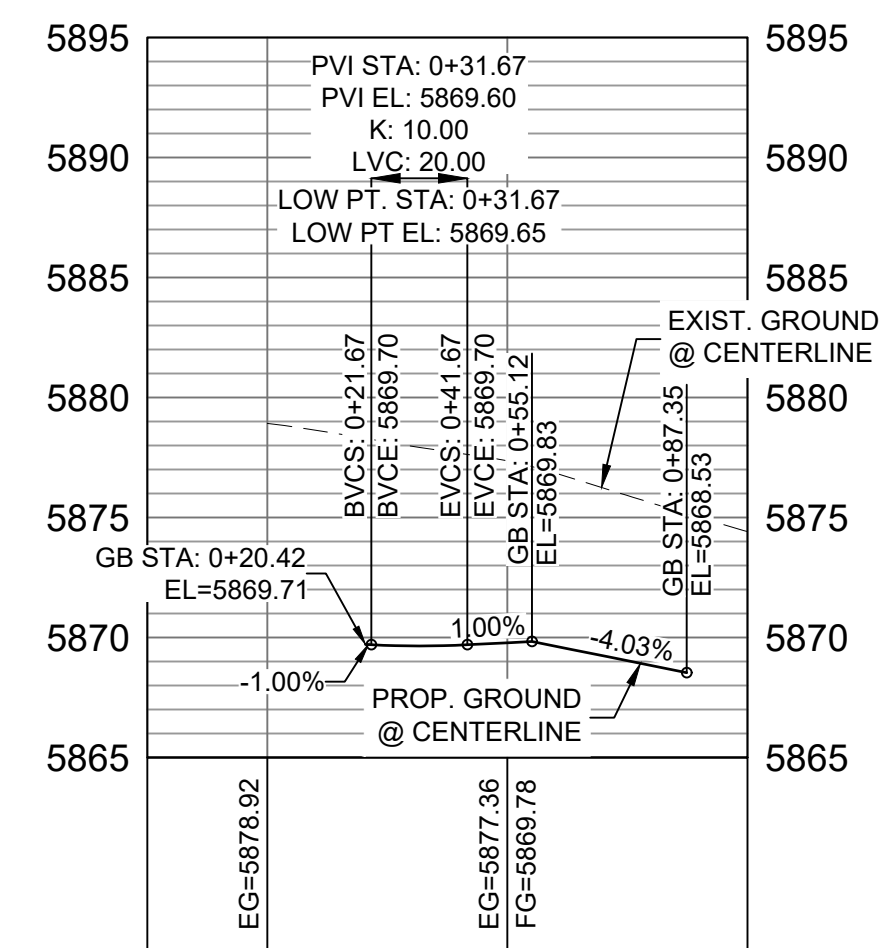
LAZY RIDGE DRIVE CL PROFILE

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 #	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°40'36"E	10.03

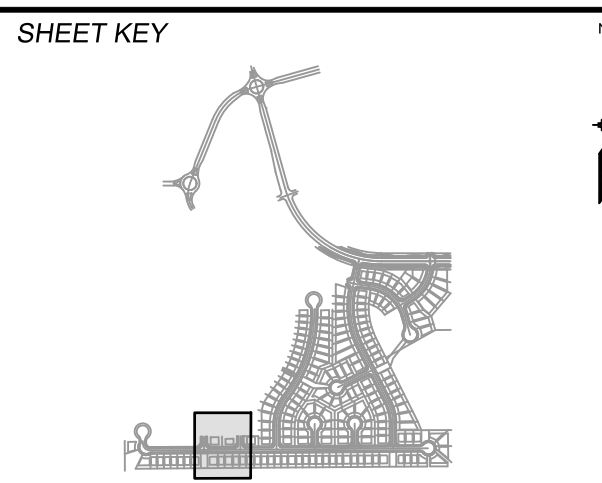
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C170	31.42	20.00	90°00'00"
C175	31.42	20.00	90°00'00"

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

EPC 2/13/2020

No.	DATE	DESCRIPTION	BY
REVISIONS			
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - 11)\1100 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



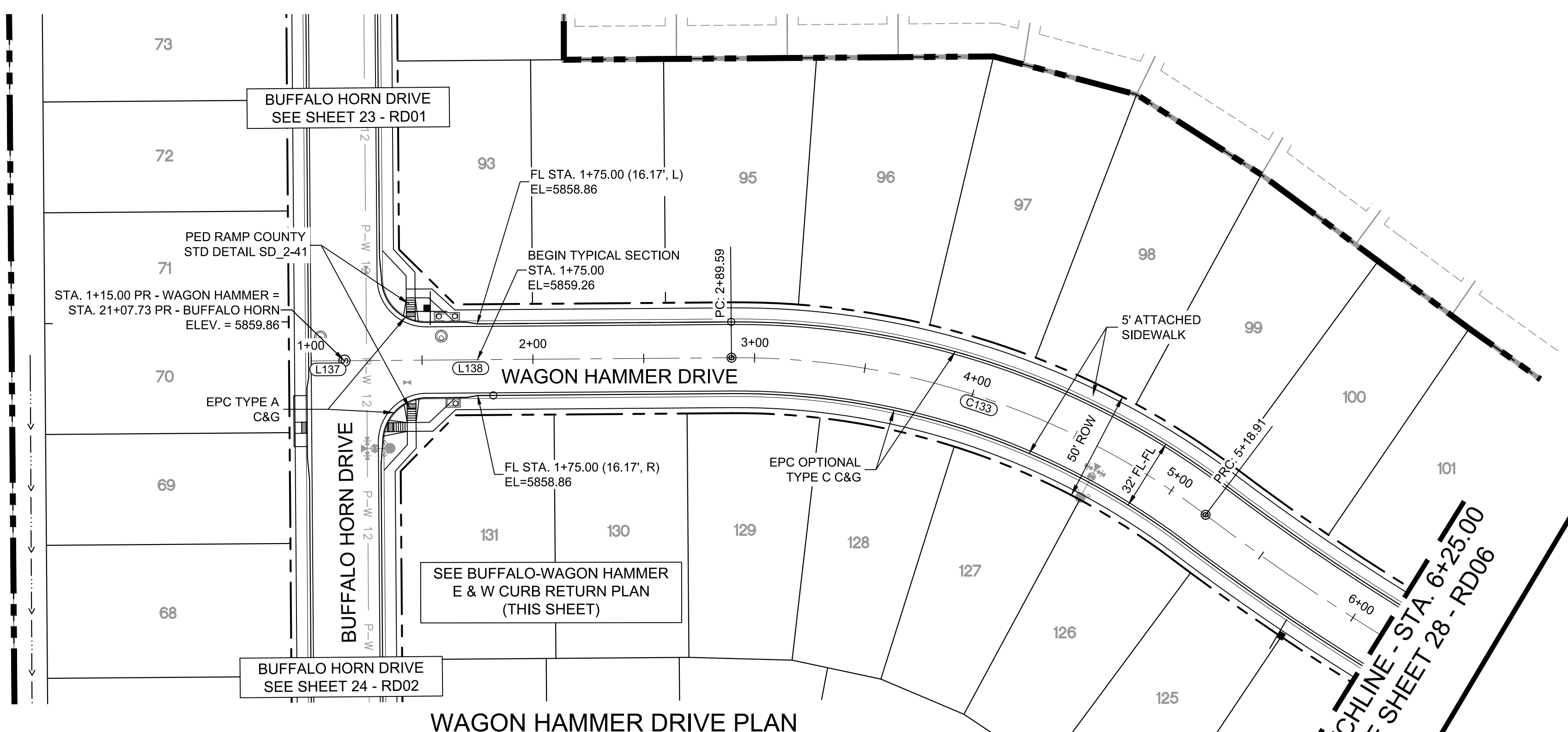
REVIEW:
 STREET DESIGN: _____ DATE: _____
 CURB & GUTTER REVIEW _____ DATE: _____
 FINAL REVIEW _____ DATE: _____
 DRAINAGE DESIGN: _____ DATE: _____
 BY: _____
 TRAFFIC DESIGN: _____ DATE: _____
 BY: _____
 *Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado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



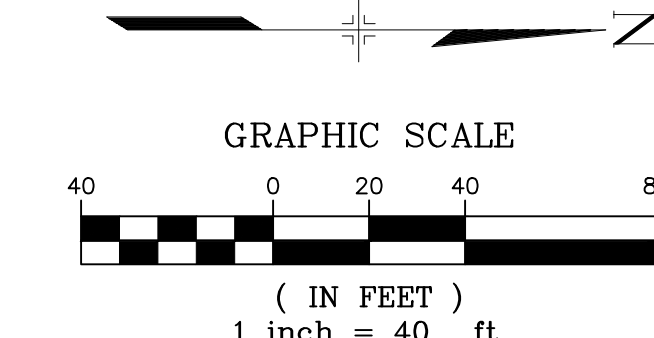
TRAILS AT ASPEN RIDGE
 FILING NO. 1
 ROADWAY & STORMDRAIN IMPROVEMENT PLANS
ROADWAY PLAN & PROFILE
 DESIGNED BY: NMS SCALE: 1"=40'
 DRAWN BY: TJC HORIZ: 1"=40'
 CHECKED BY: NMS VERT: 1"=8' SHEET: 26 OF 73
 DATE ISSUED: SEPTEMBER, 2019
 DRAWING No: RD04



Know what's below.
Call before you dig.

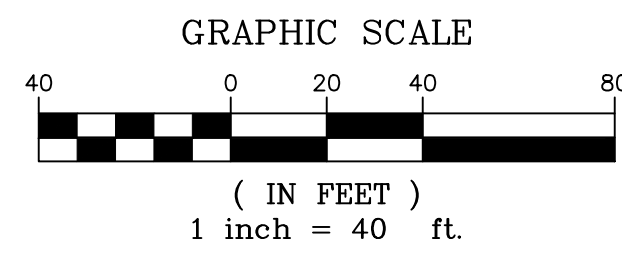


WAGON HAMMER DRIVE PLAN



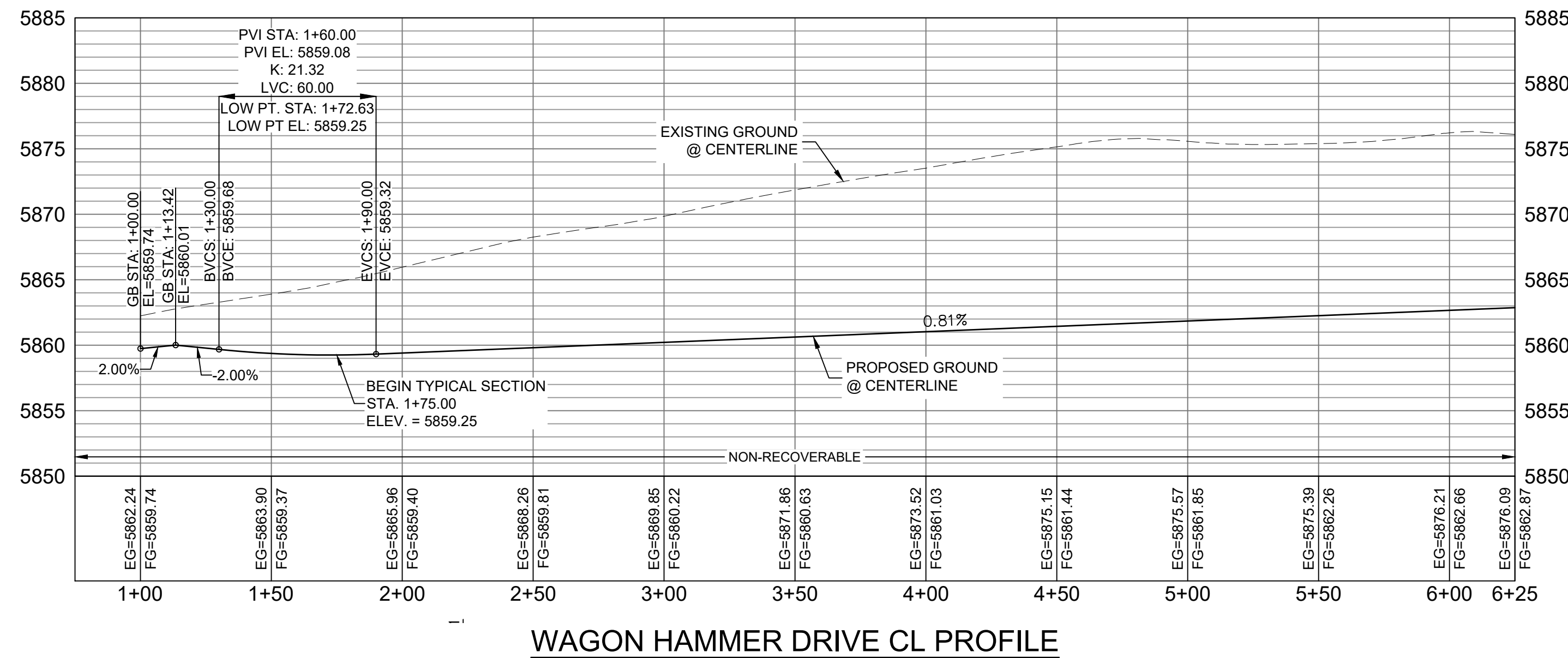
LINE #	BEARING	DISTANCE
L137	N00°26'25"W	15.00
L138	N00°26'25"W	174.59

CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C133	229.33	350.00	37°32'28"



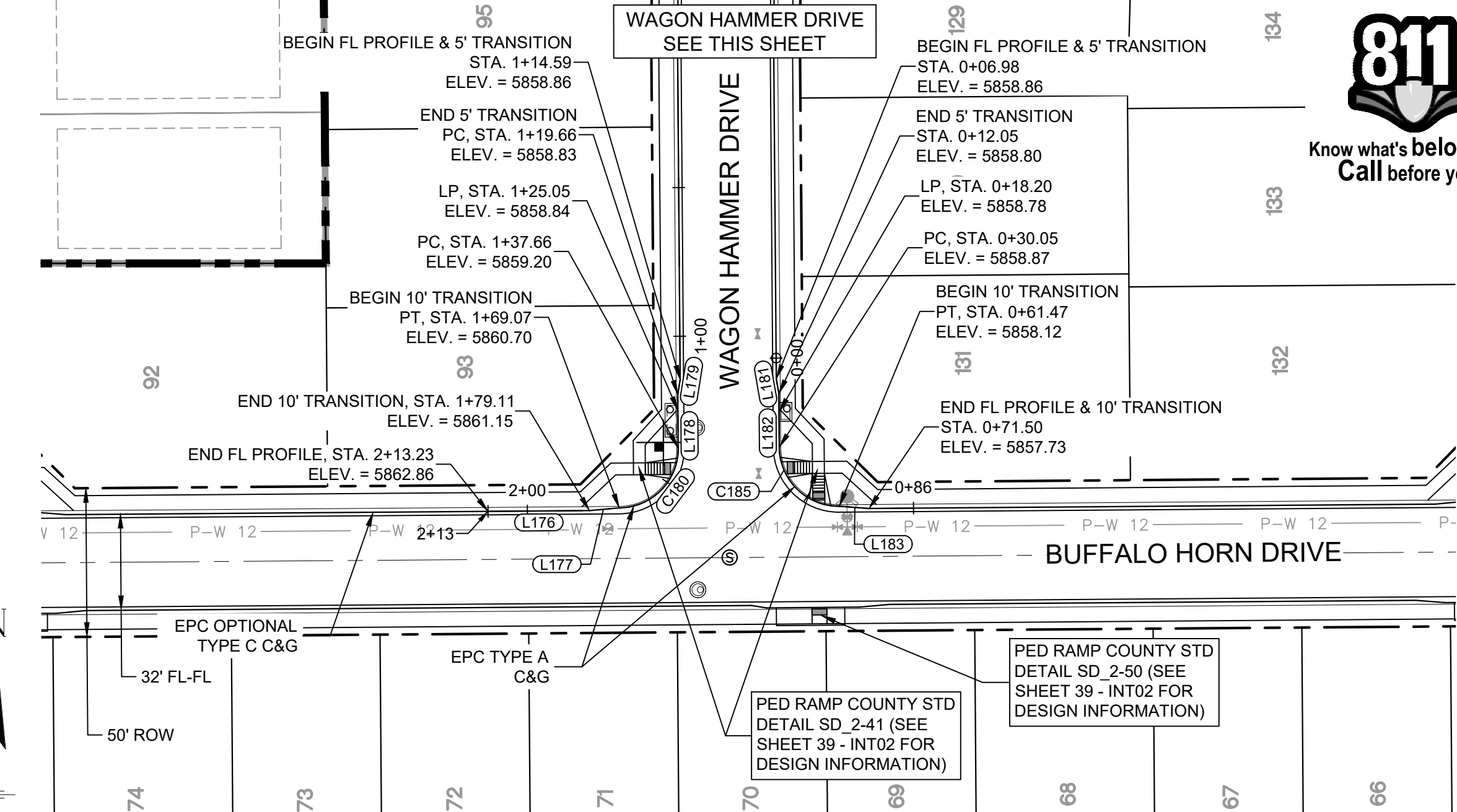
LINE #	BEARING	DISTANCE
L176	S89°33'35"W	34.12
L177	S84°47'46"W	10.03
L178	S00°26'25"E	18.00
L179	S09°01'19"W	5.07
L181	S09°54'09"E	5.07
L182	S00°26'25"E	18.00
L183	S85°40'36"E	10.03

CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C180	31.42	20.00	90°00'00"
C185	31.42	20.00	90°00'00"

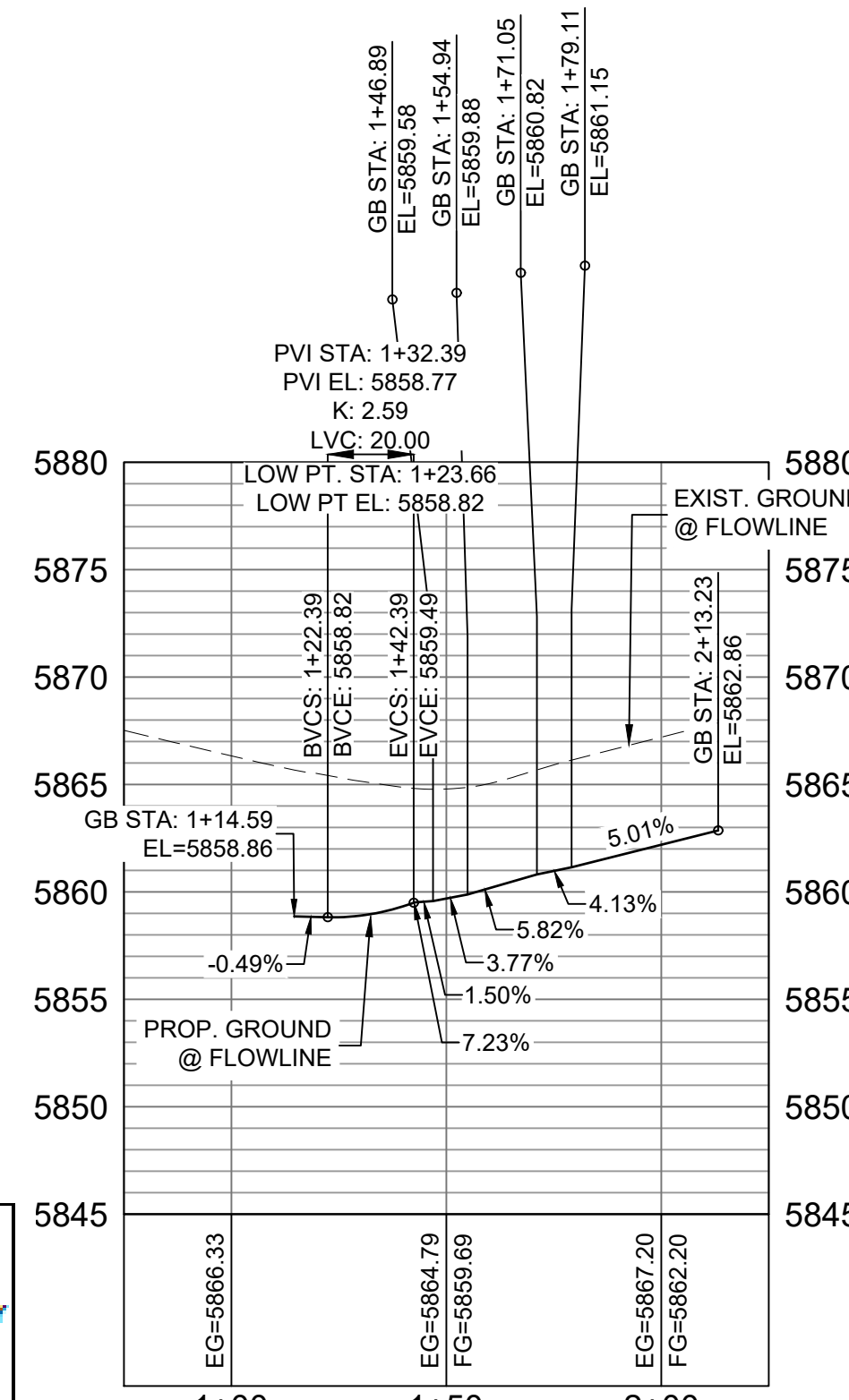


WAGON HAMMER DRIVE CL PROFILE

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

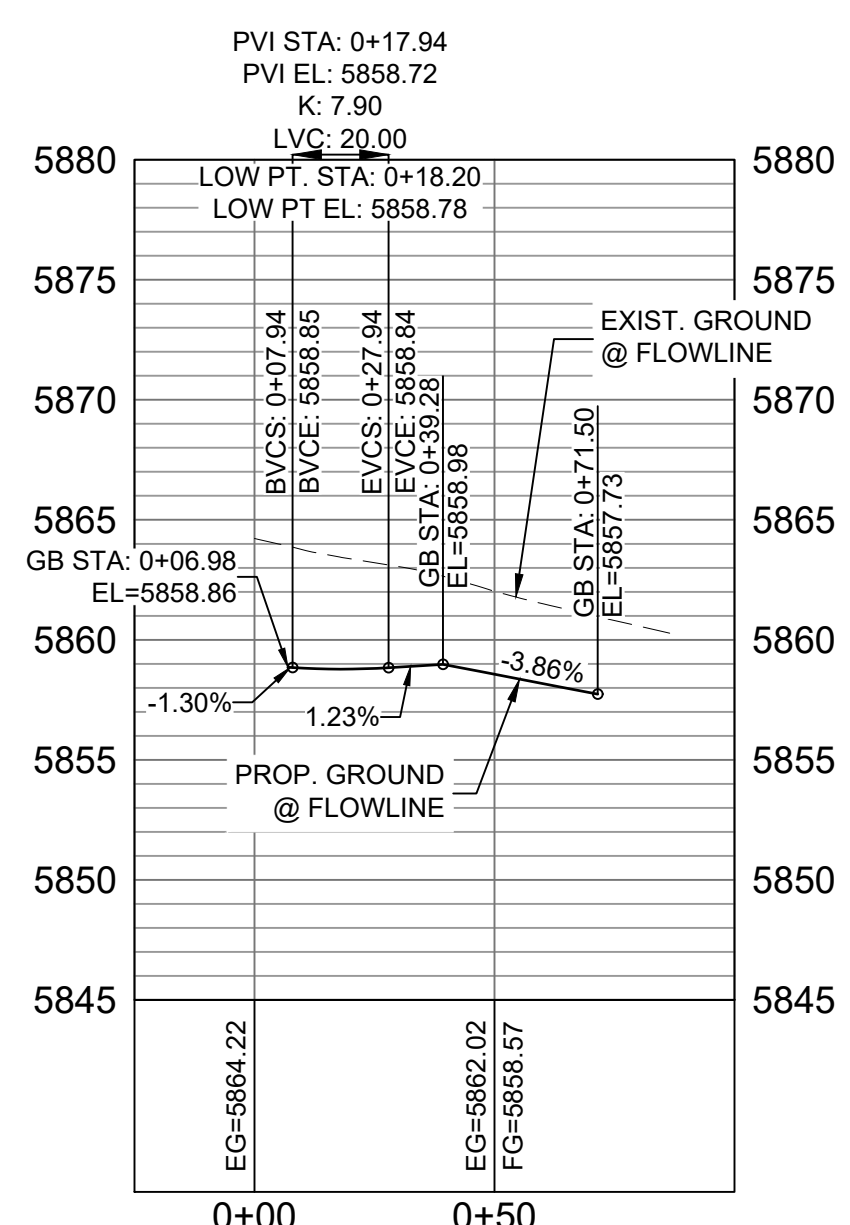


BUFFALO HORN DRIVE / WAGON HAMMER DRIVE CURB RETURNS PLAN



BUFFALO HORN DRIVE / WAGON HAMMER DRIVE W FL CURB RETURN PROFILE

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



BUFFALO HORN DRIVE / WAGON HAMMER DRIVE E FL CURB RETURN PROFILE

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

ENGINEERING RECORD DRAWINGS
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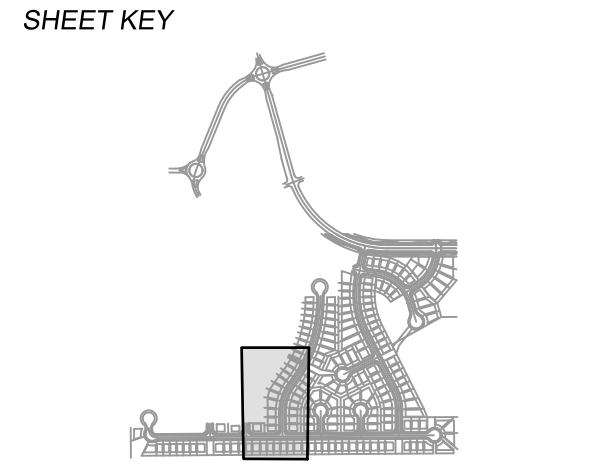
Nicole Schanel
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
Date: 09/30/22

BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERTSNTEN 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 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 11:25:16 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: _____ 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.



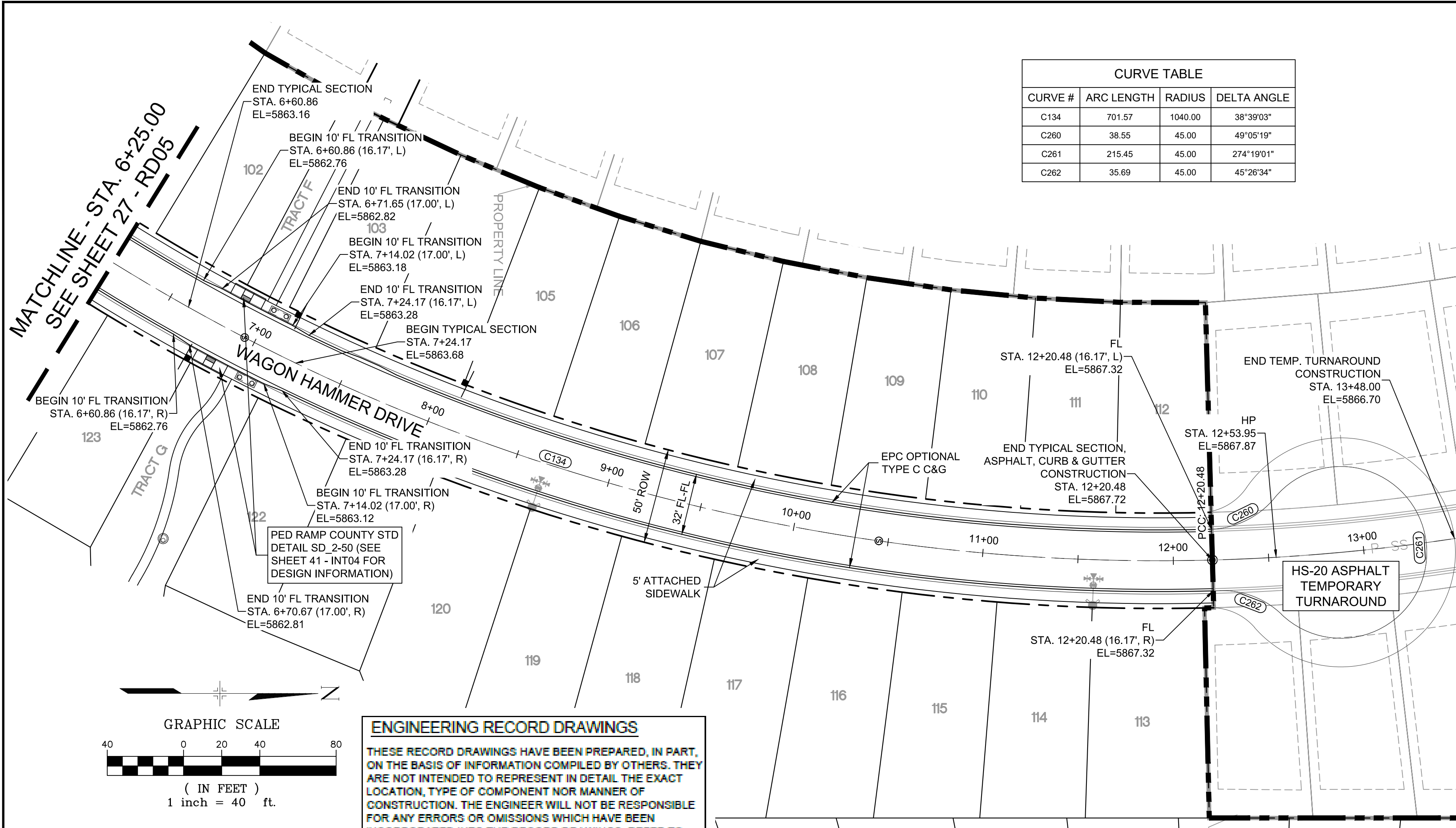
TRAILS AT ASPEN RIDGE
FILING NO. 1
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

ROADWAY PLAN & PROFILE

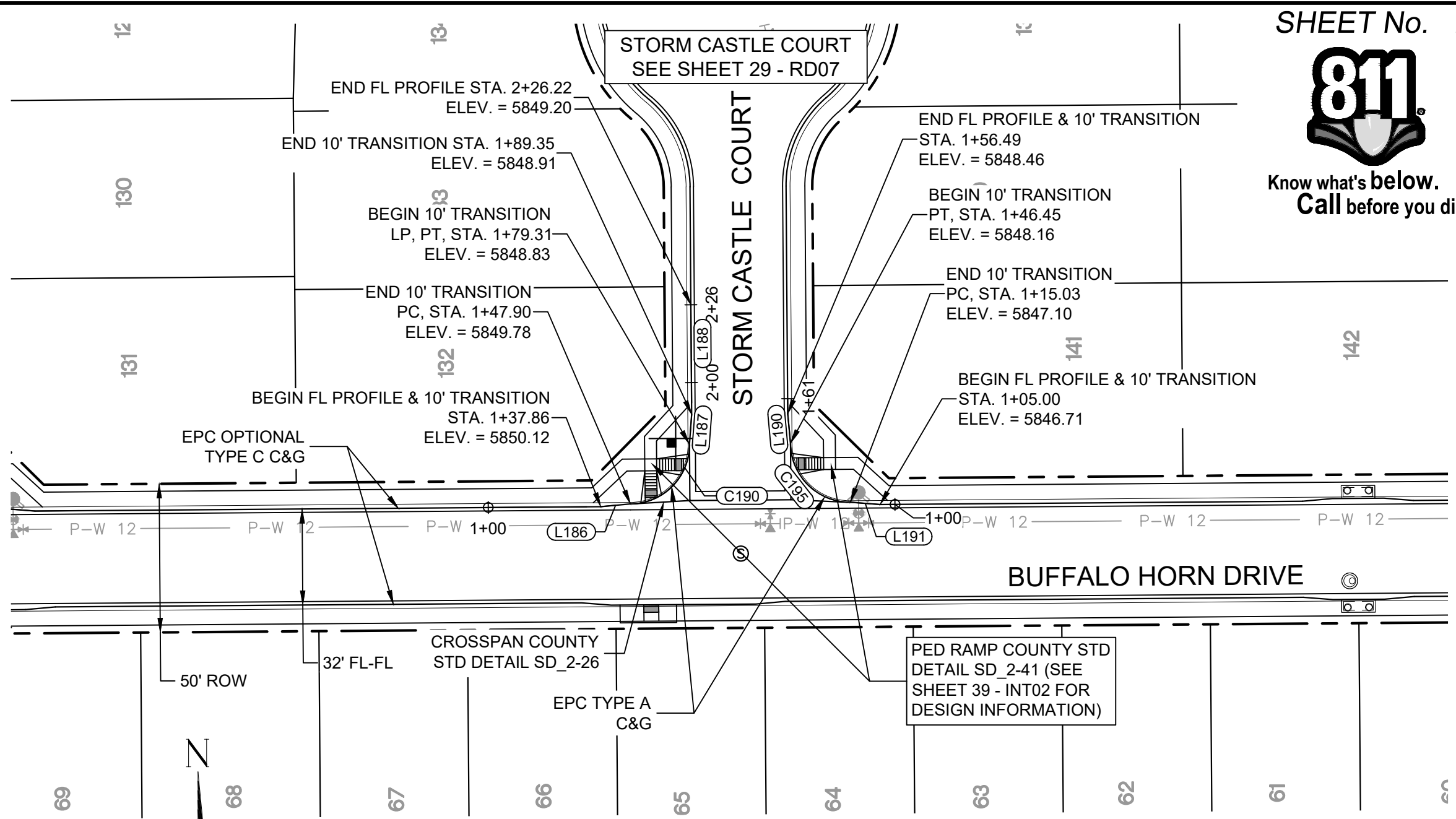
DESIGNED BY: NMS	SCALE: 1"=40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RD05
DRAWN BY: TJC	HORIZ: 1"=40'	SHEET 27 OF 73	
CHECKED BY: NMS	VERT: 1"=8'		



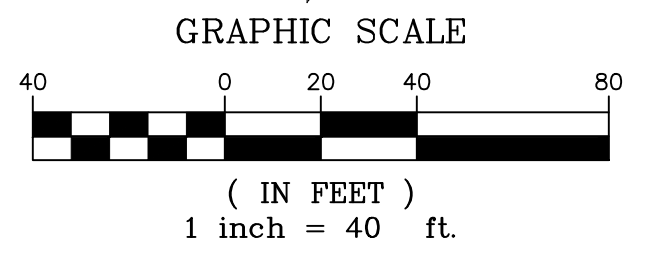
Know what's below.
Call before you dig.



CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C134	701.57	1040.00	38°39'03"
C260	38.55	45.00	49°09'19"
C261	215.45	45.00	274°19'01"
C262	35.69	45.00	45°26'34"



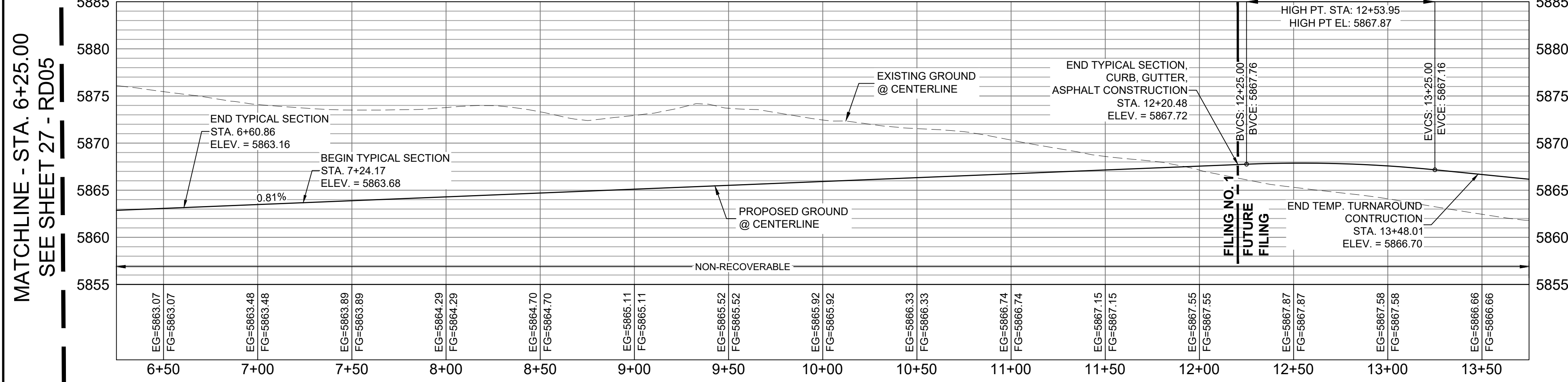
CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C190	31.42	20.00	90°00'00"
C195	31.42	20.00	90°00'00"



ENGINEERING RECORD DRAWINGS
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 Nicole Schanel, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.
 Date: 09/30/22

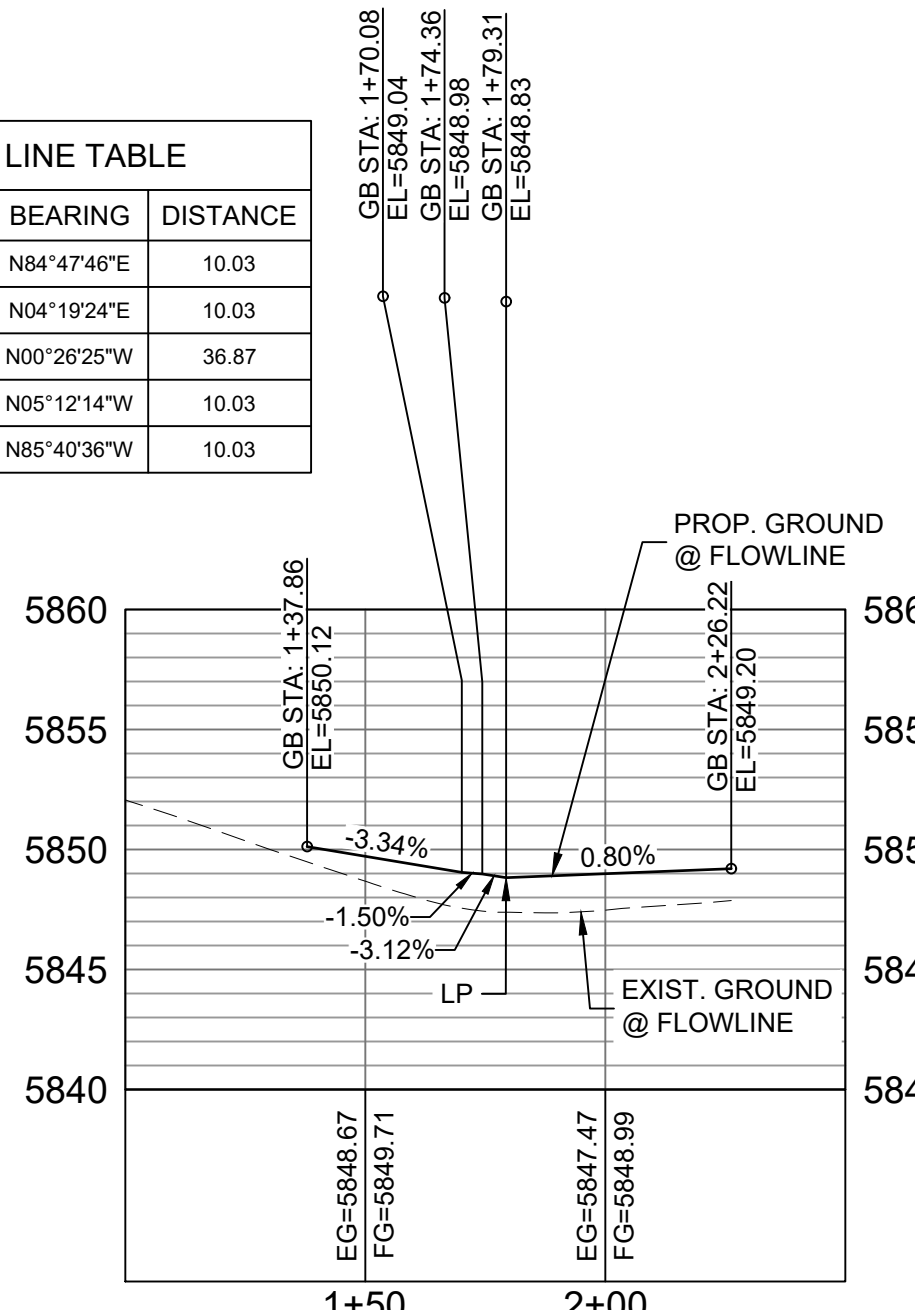
WAGON HAMMER DRIVE PLAN

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



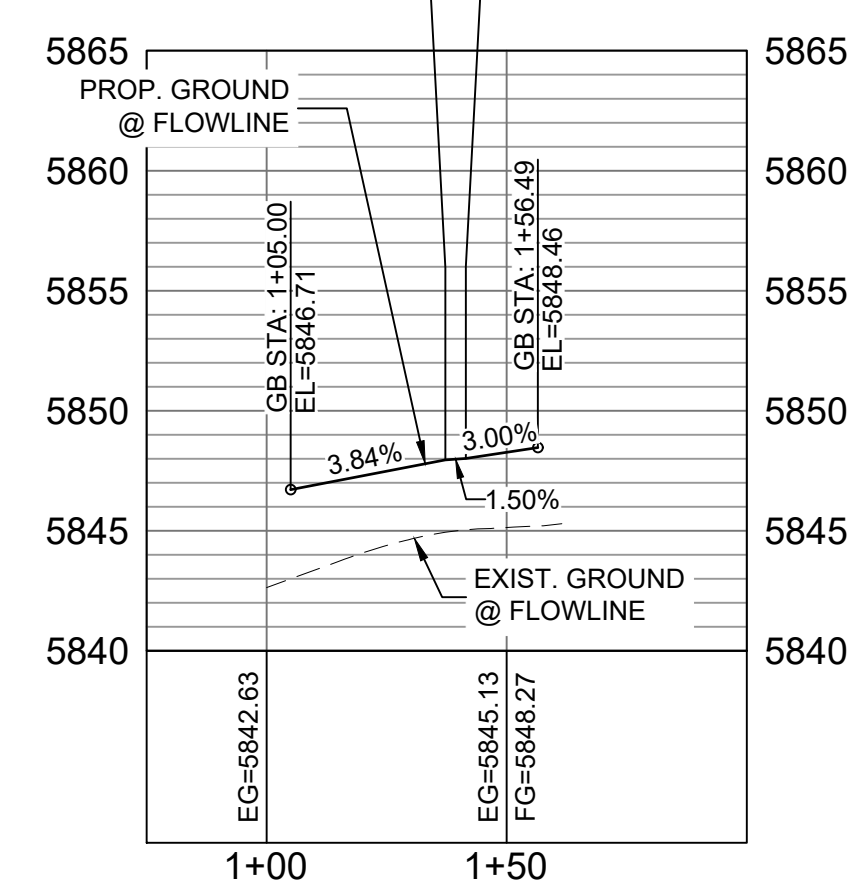
WAGON HAMMER DRIVE CL PROFILE

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



BUFFALO HORN DRIVE / STORM CASTLE COURT W FL CURB RETURN PROFILE

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



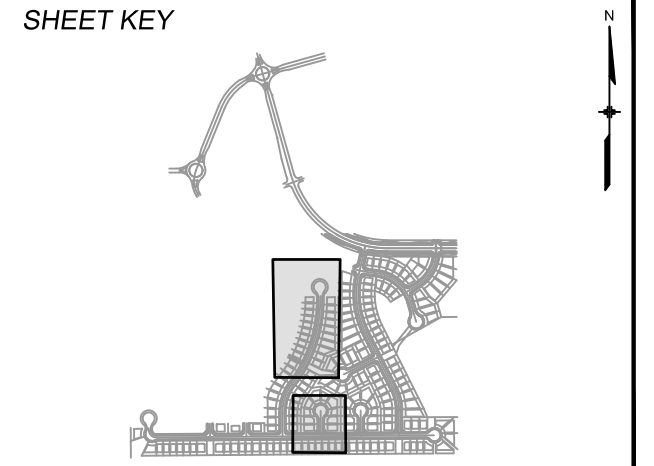
BUFFALO HORN DRIVE / STORM CASTLE COURT E FL CURB RETURN PROFILE

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 - 11)\1100\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: _____

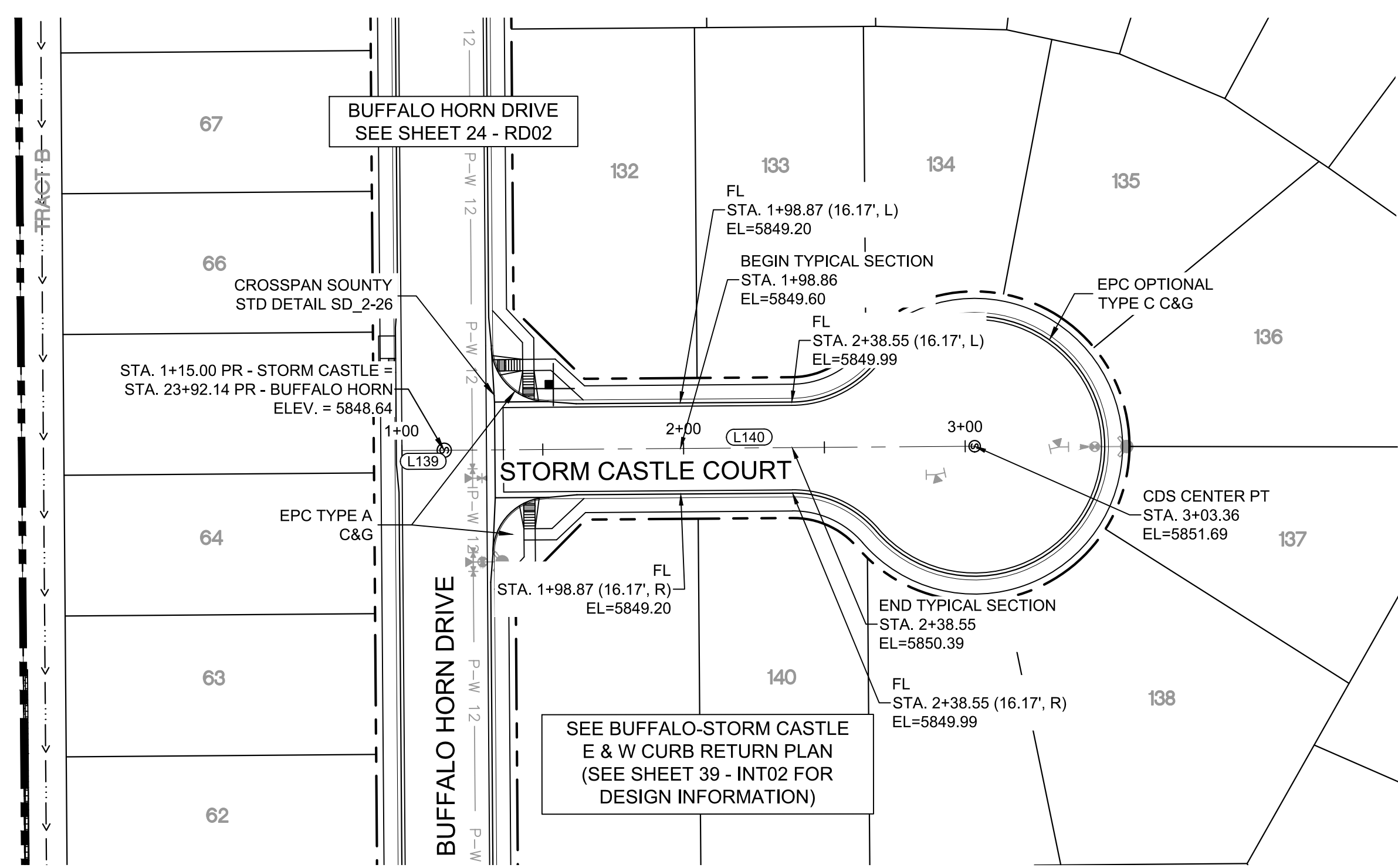


TRAILS AT ASPEN RIDGE				
FILING NO. 1				
ROADWAY & STORMDRAIN IMPROVEMENT PLANS				
ROADWAY PLAN & PROFILE				
DESIGNED BY: NMS	SCALE: 1"=40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RD06	
DRAWN BY: TJC	HORIZ: 1"=40'	SHEET 28 OF 73		
CHECKED BY: NMS	VERT: 1"=8'			

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

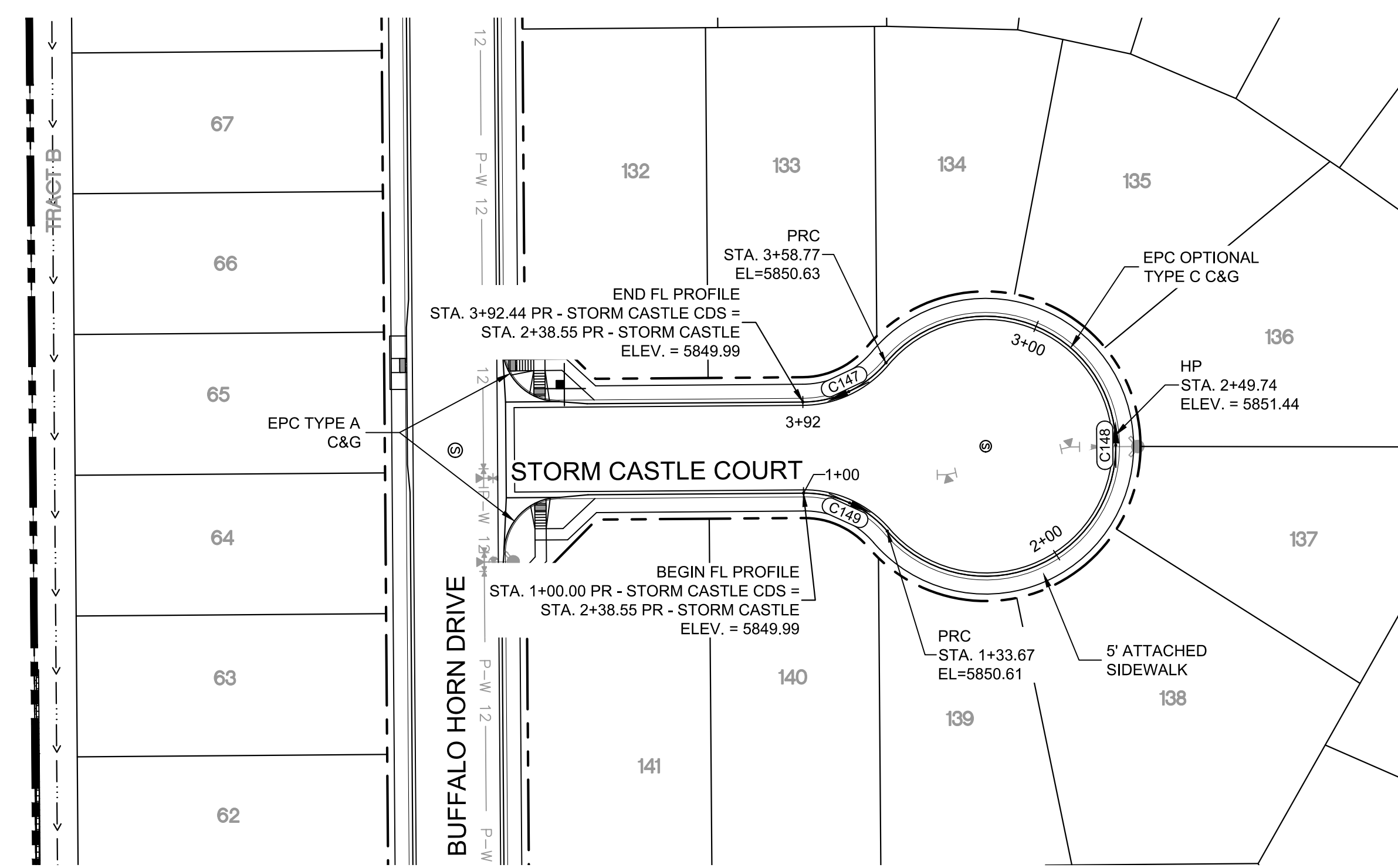


Know what's below.
Call before you dig.



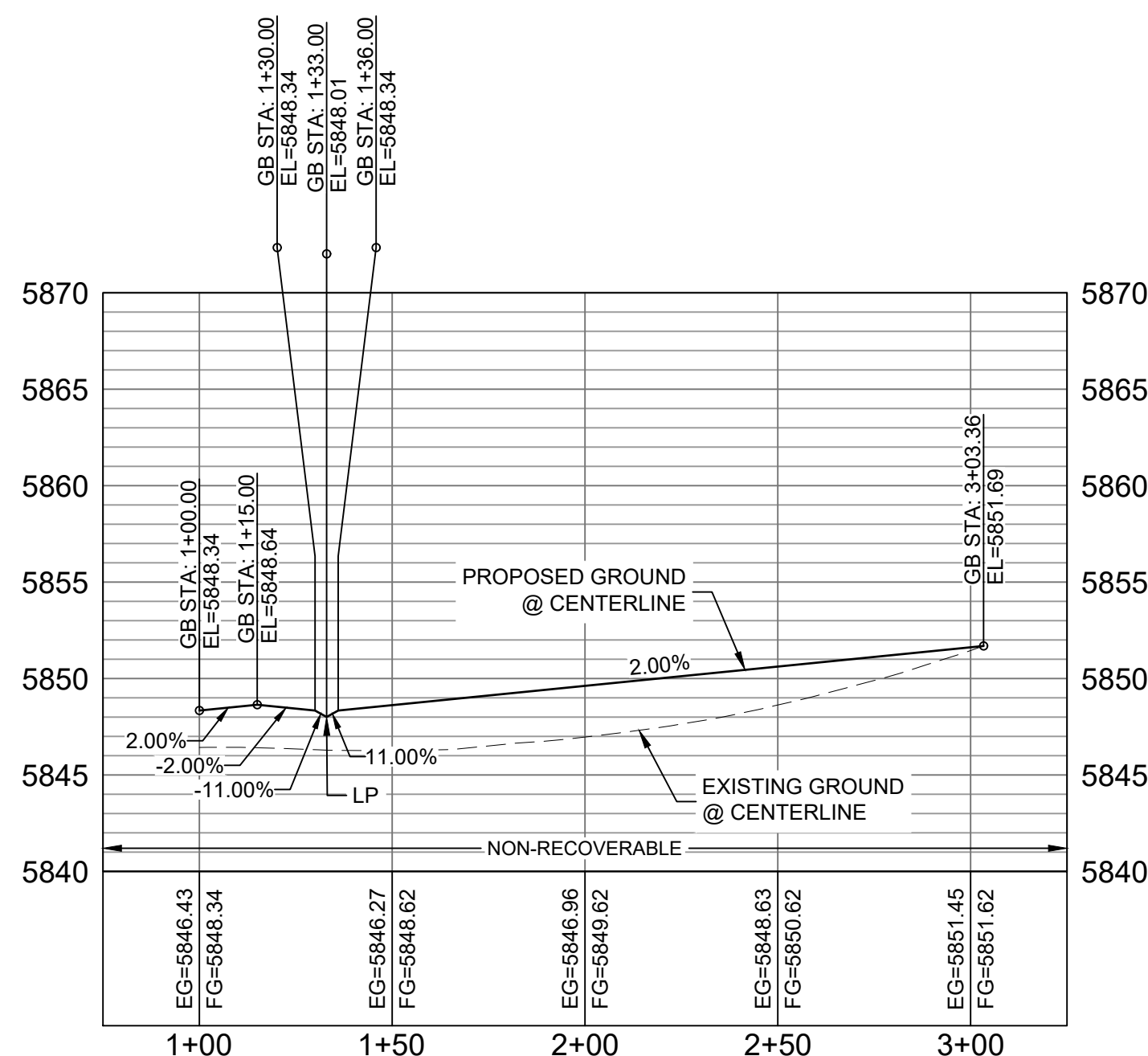
STORM CASTLE COURT PLAN

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



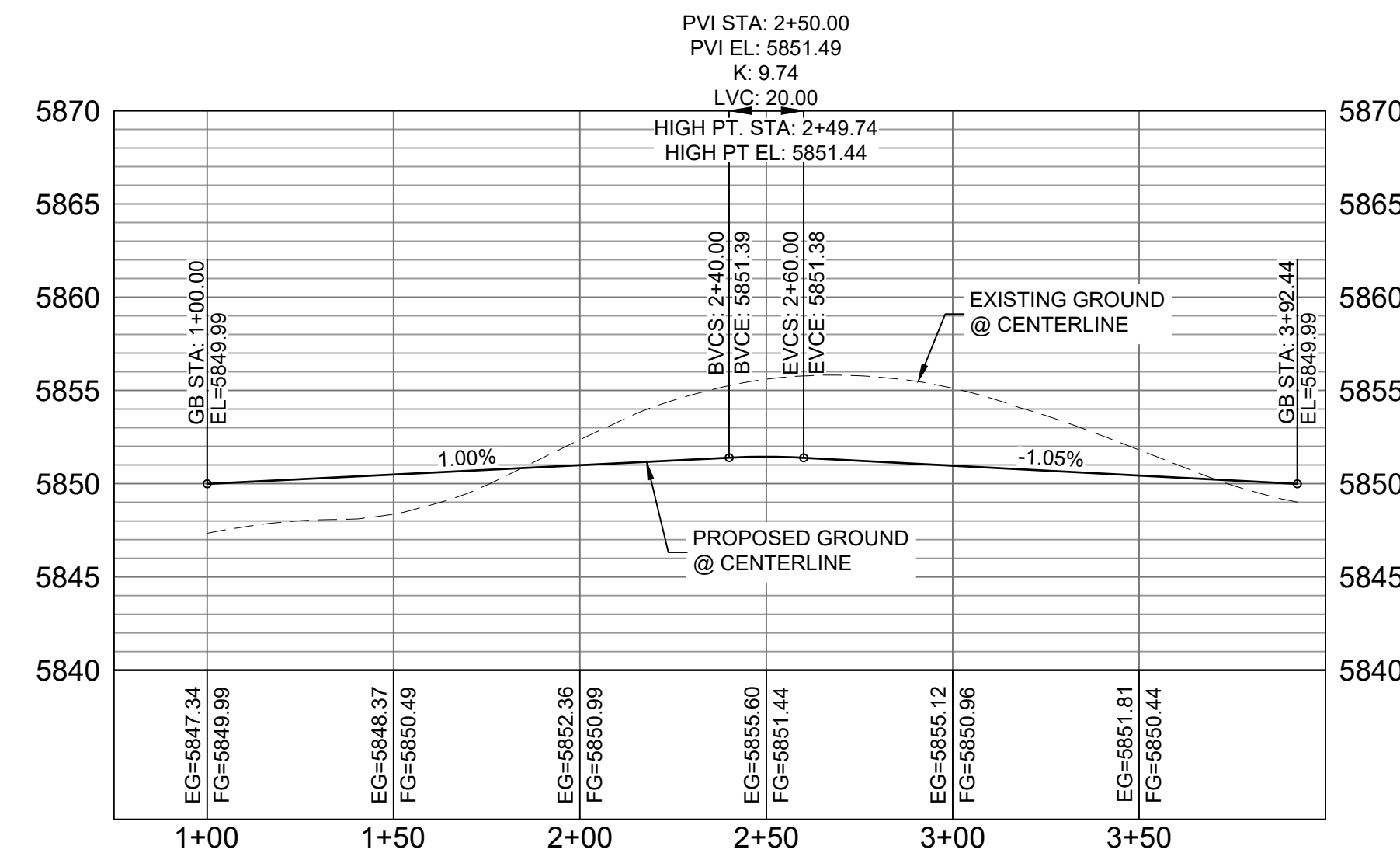
STORM CASTLE COURT CDS PLAN

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'

ENGINEERING RECORD DRAWINGS

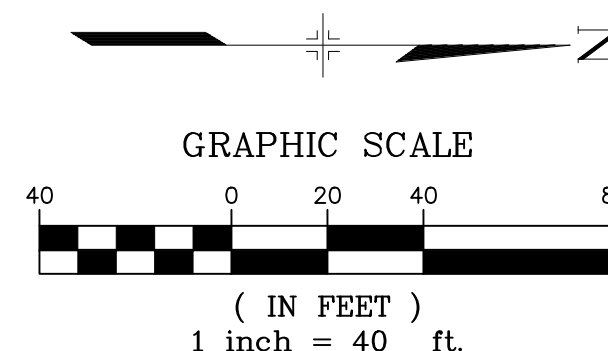
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS. REFER TO ORIGINAL DRAWINGS FOR SIGNATURES AND SEALS.

Nicole Schanel
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC. Date: 09/30/22

EPC 2/13/2020

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

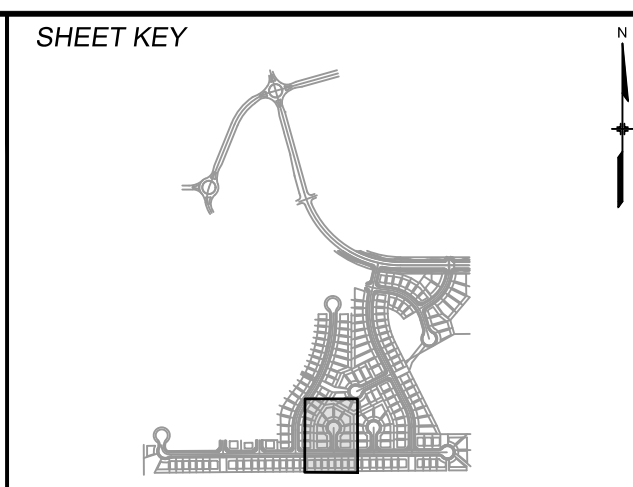
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS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



No.	DATE	DESCRIPTION	BY
REVISIONS			
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - 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



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

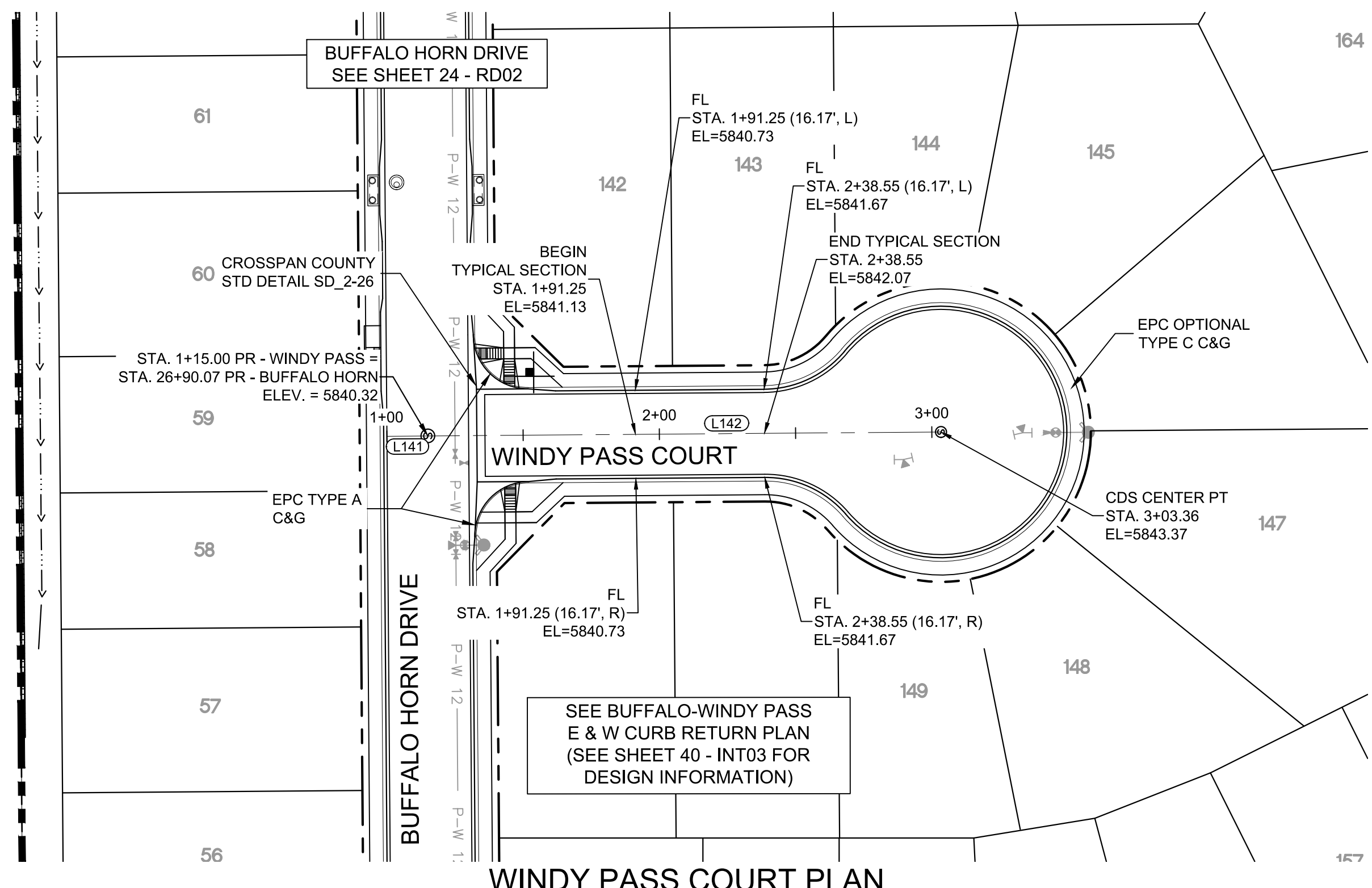
FILING NO. 1
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

ROADWAY PLAN & PROFILE

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

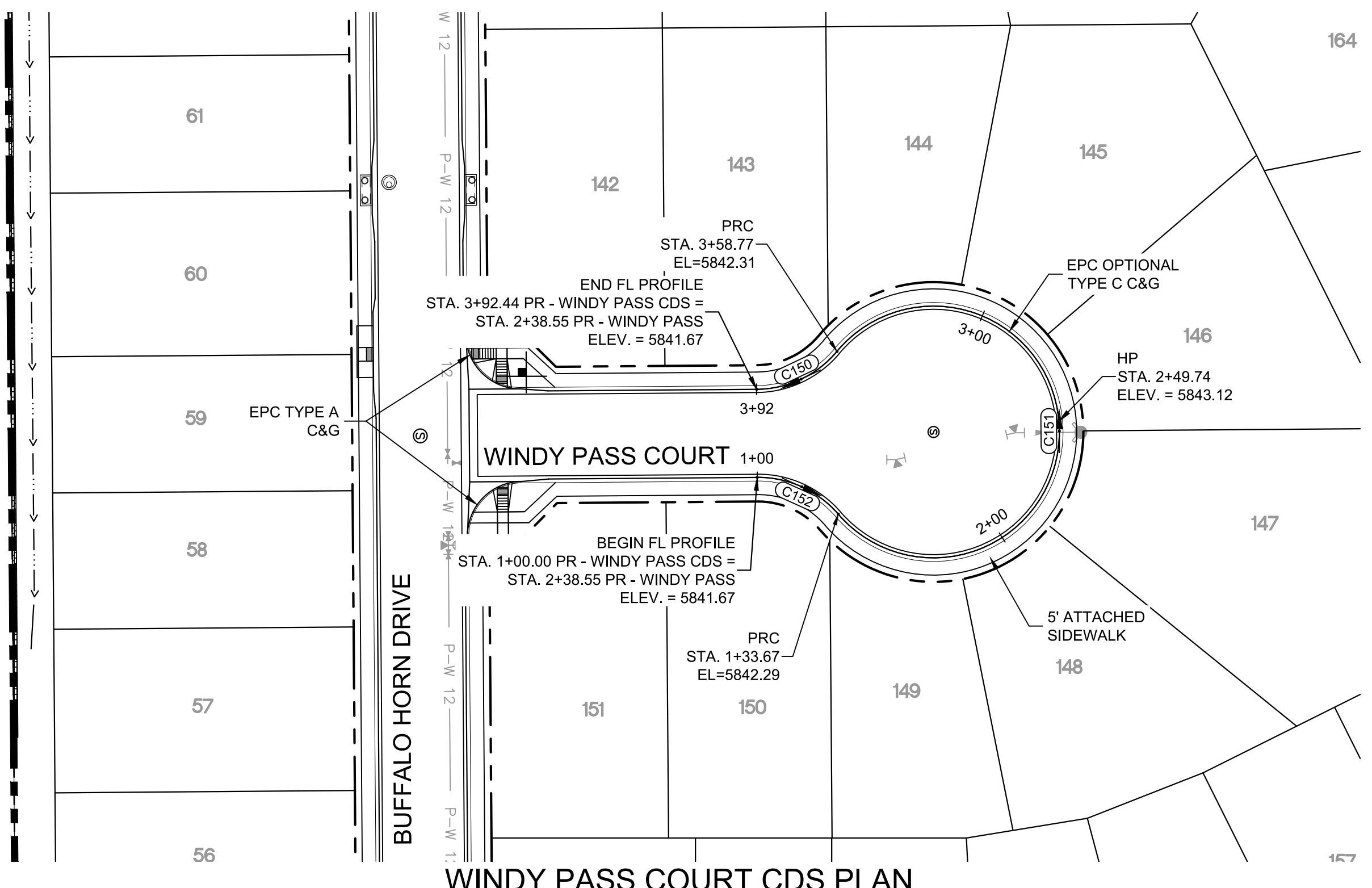


Know what's below.
Call before you dig.



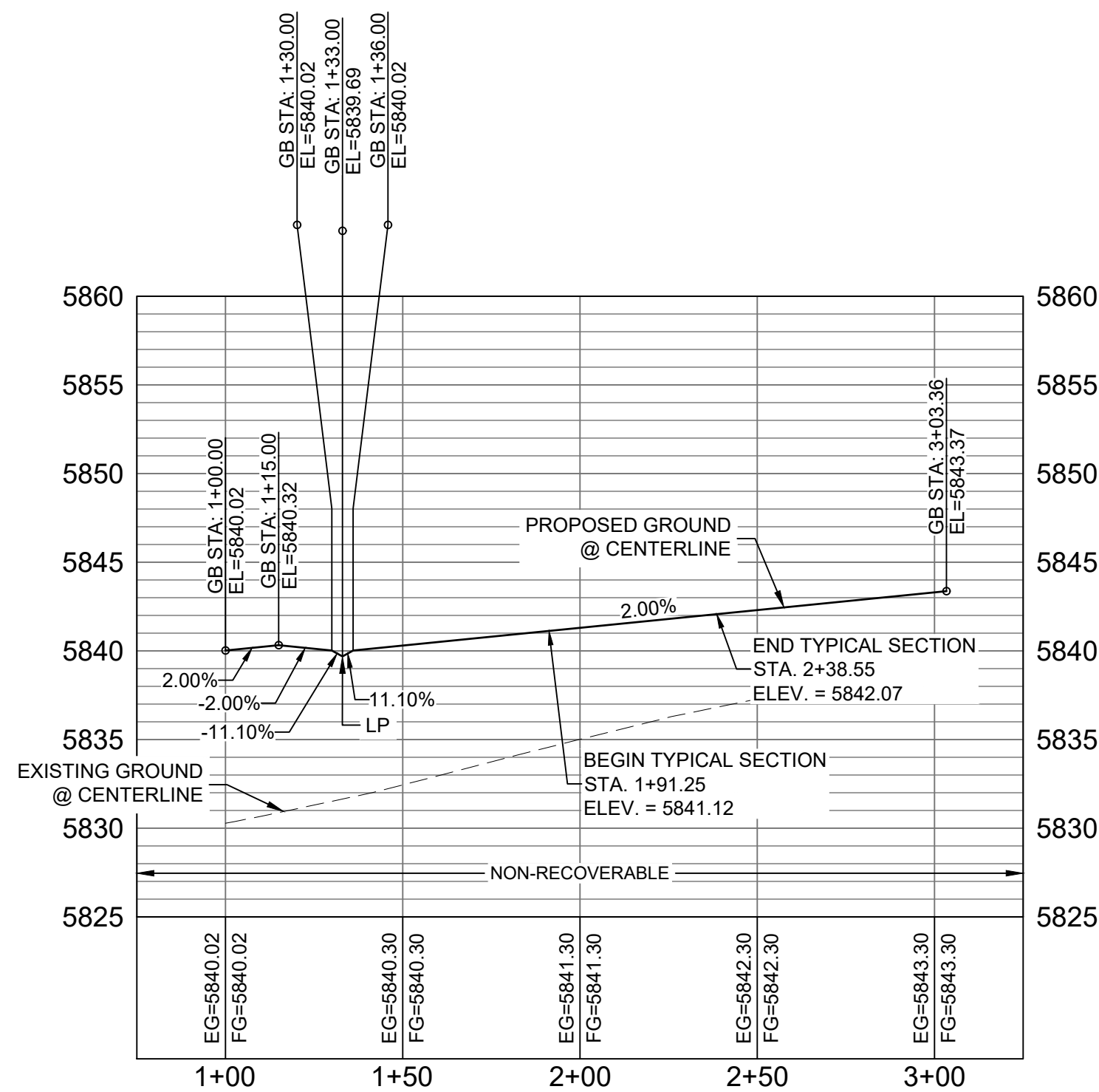
WINDY PASS COURT PLAN

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



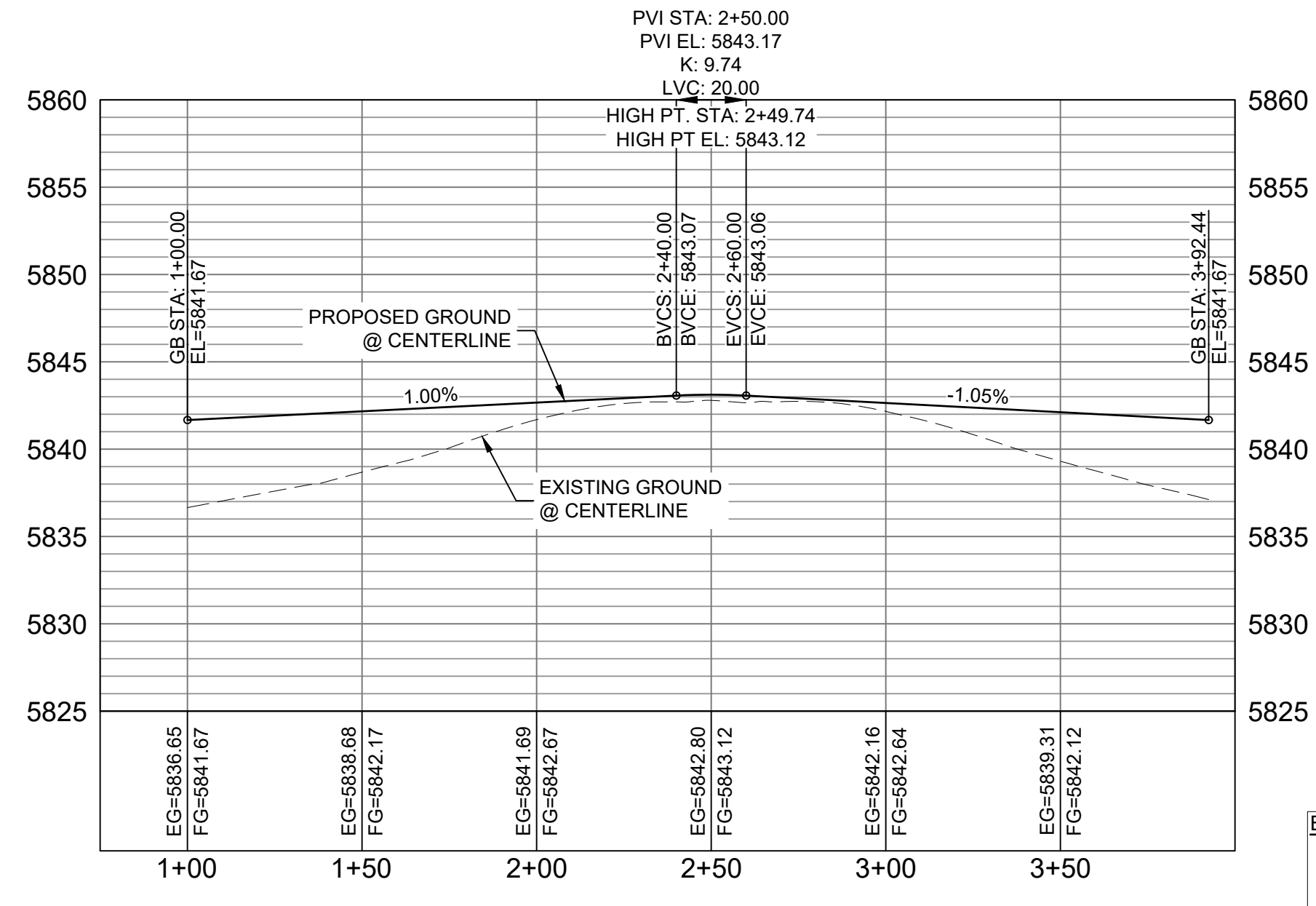
WINDY PASS COURT CDS PLAN

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 CL PROFILE

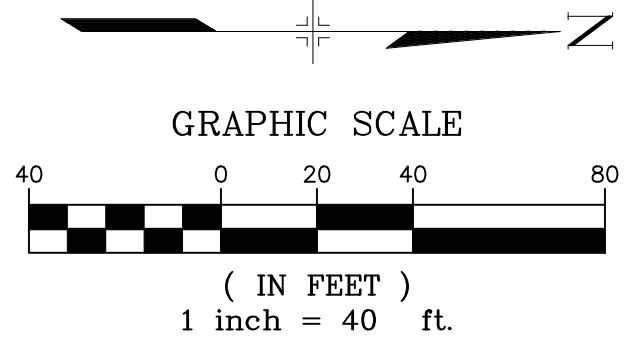
HORIZ: 1" = 40'
VERT: 1" = 8'



WINDY PASS COURT CDS CL PROFILE

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

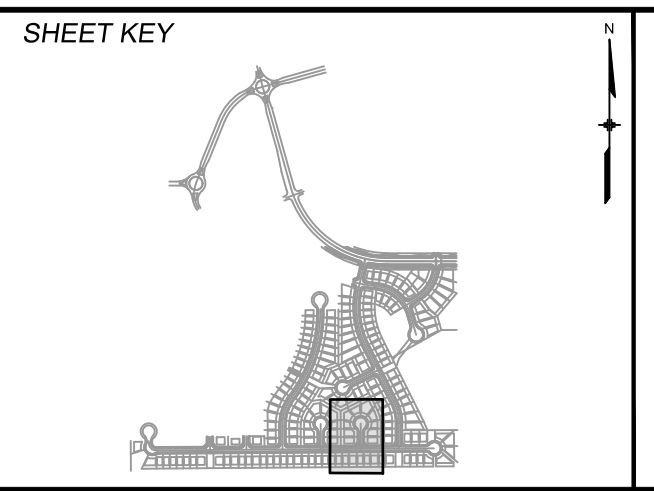
ENGINEERING RECORD DRAWINGS
 THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS. REFER TO ORIGINAL DRAWINGS FOR SIGNATURES AND SEALS.
 Nicole Schanel, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.
 Date: 09/30/22



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/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 aA aB aC aD aE
 ROW WIDTH 50' FL-FL 32.33'
 STREET TYPE RESIDENTIAL
 PAVEMENT: TYPE: HMA PCC THICKNESS:
 COMPOSITE SECTION: HMA BASE



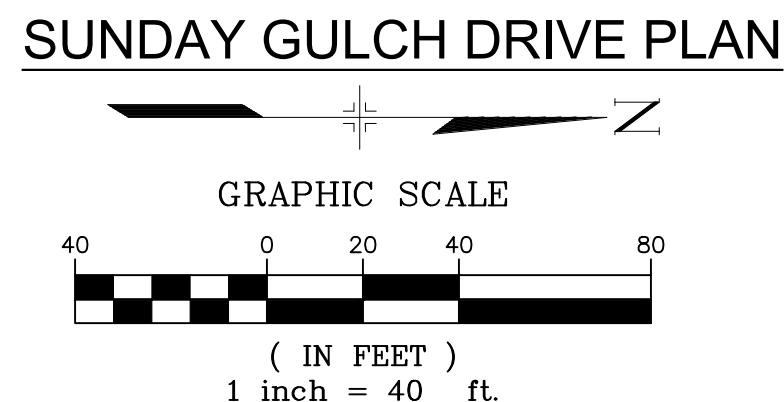
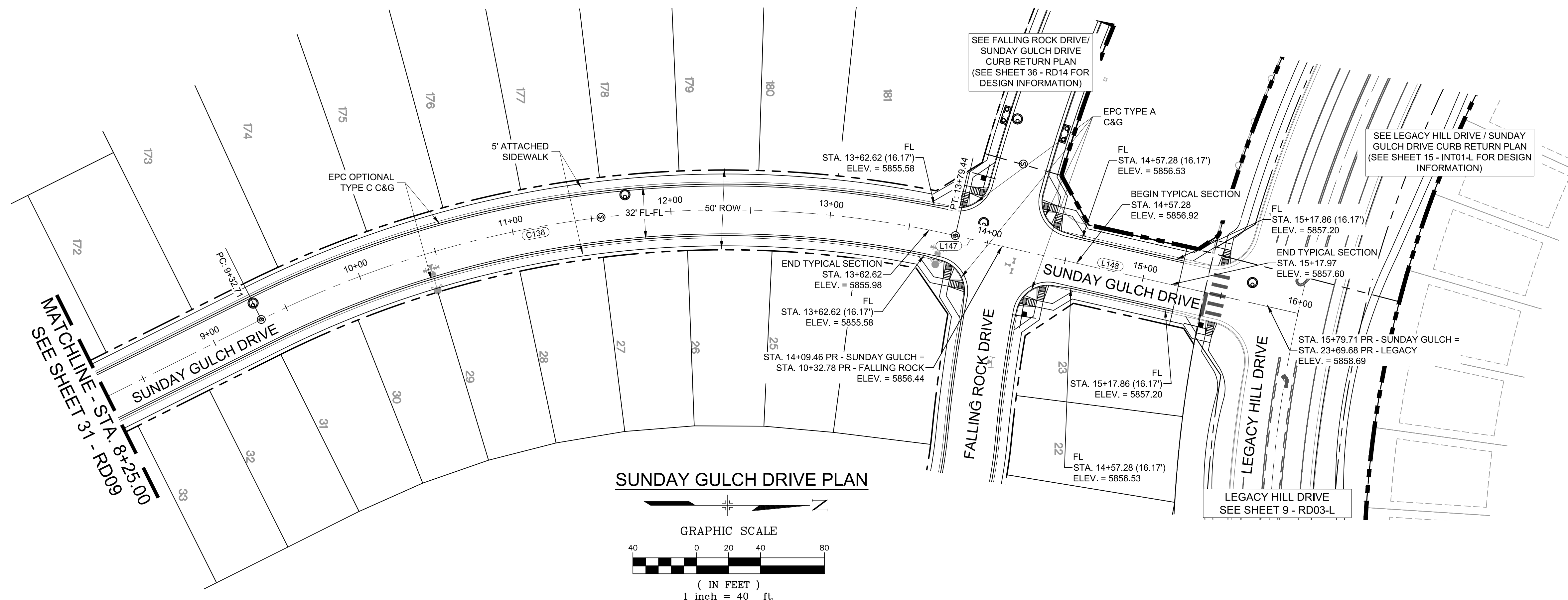
REVIEW:
 STREET DESIGN:
 CURB & GUTTER REVIEW _____ DATE: _____
 FINAL REVIEW _____ DATE: _____
 DRAINAGE DESIGN:
 BY: _____ DATE: _____
 TRAFFIC DESIGN:
 BY: _____ DATE: _____
 *Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.



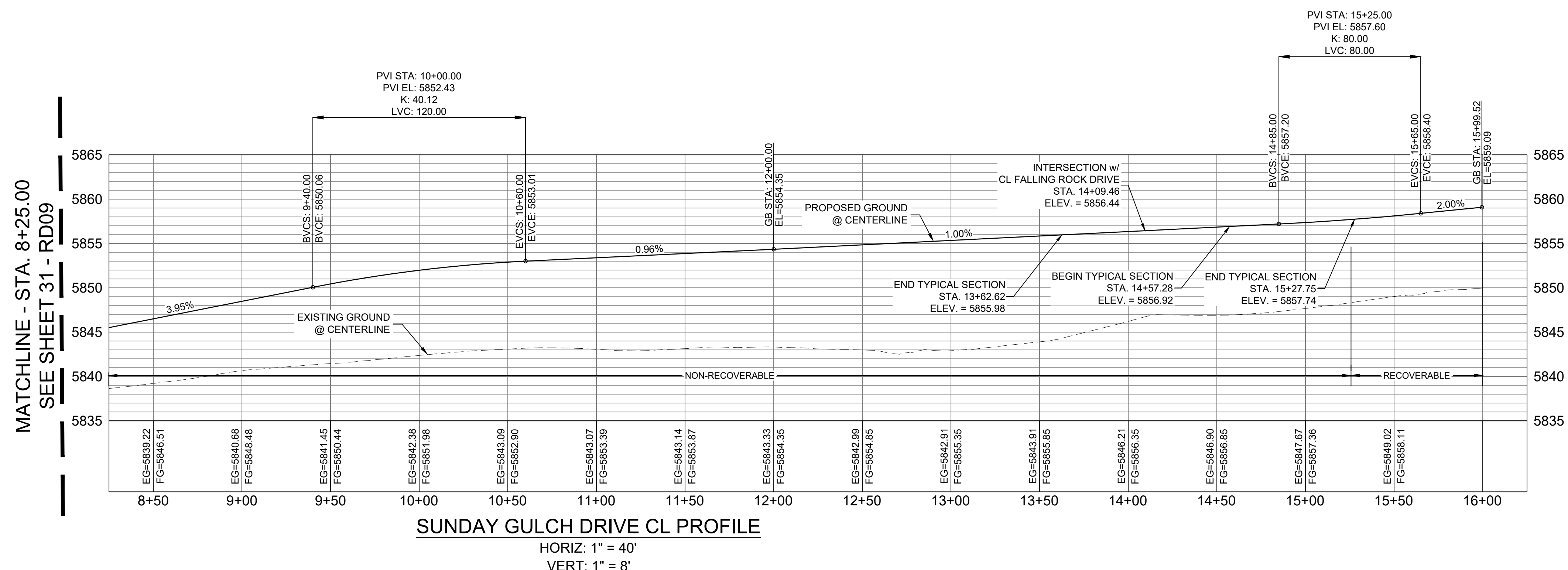
TRAILS AT ASPEN RIDGE
 FILING NO. 1
 ROADWAY & STORMDRAIN IMPROVEMENT PLANS
ROADWAY PLAN & PROFILE
 DESIGNED BY: NMS
 DRAWN BY: TJC
 CHECKED BY: NMS
 SCALE: HORIZ 1"=40' VERT 1"=8'
 DATE ISSUED: SEPTEMBER, 2019
 SHEET 30 OF 73
 DRAWING No. RD08



Know what's below.
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ENGINEERING RECORD DRAWINGS
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 Nicole Schanel
 Nicole Schanel, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.
 Date: 09/30/22



LINE TABLE

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

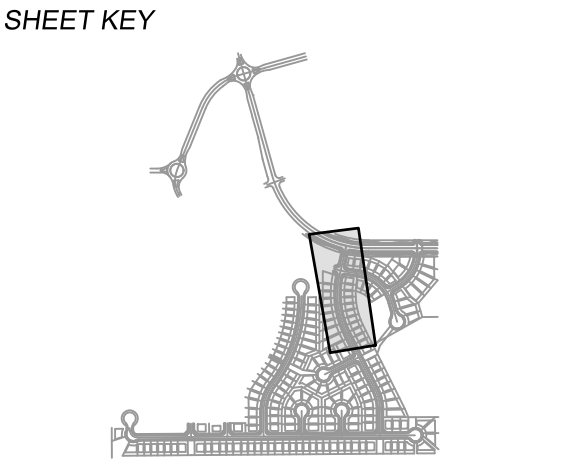
CURVE TABLE

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
REVISIONS			
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - 11)\100 Dwg\104 plan sets\construction plans\road & storm plans\RD09-12.dwg			
CTB FILE: ----			
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



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

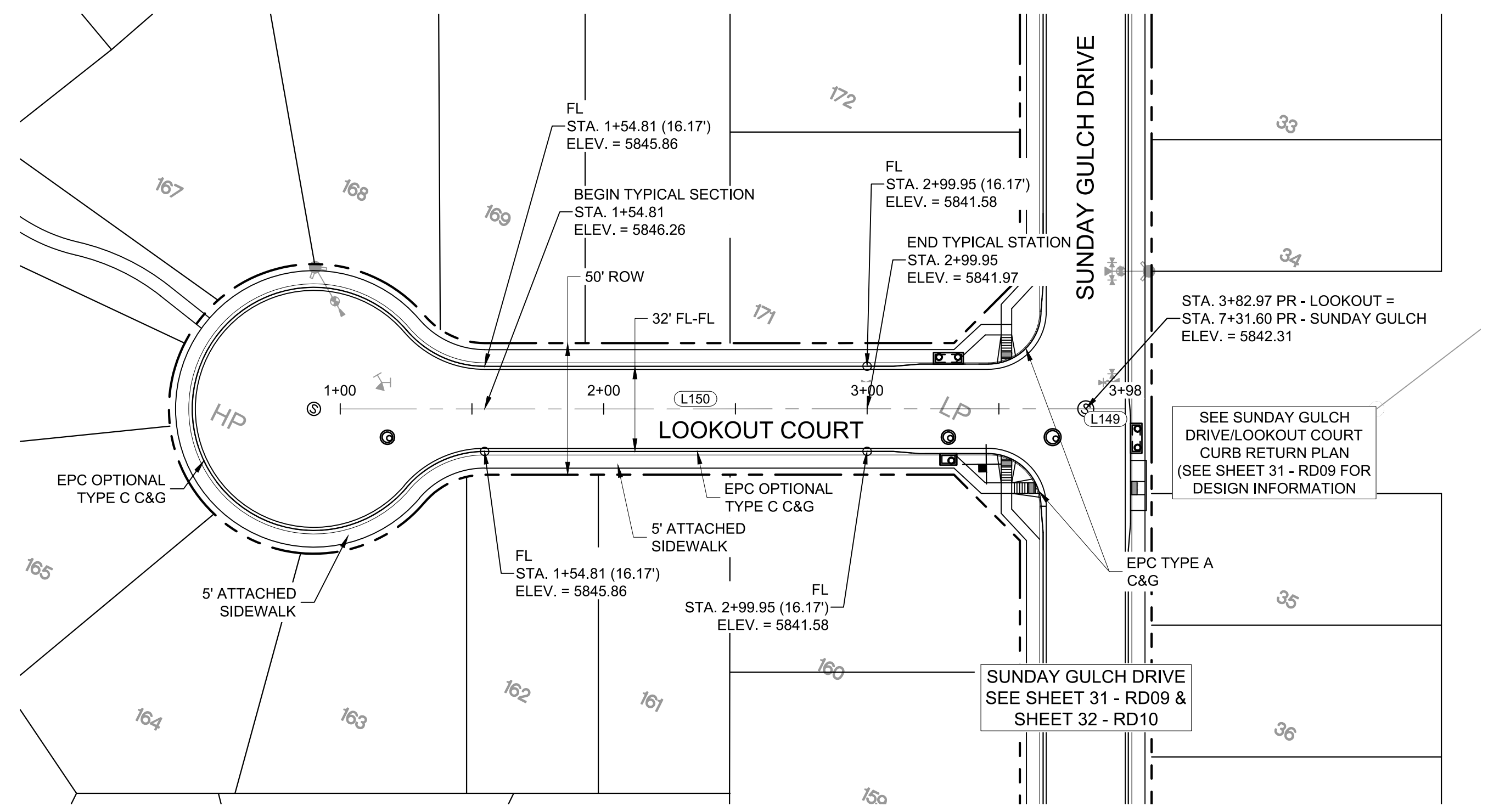
FILING NO. 1
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

ROADWAY PLAN & PROFILE

DESIGNED BY: NMS	SCALE: 1"=40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. RD10
CHECKED BY: NMS	VERT. 1"=8'	SHEET 32 OF 73	



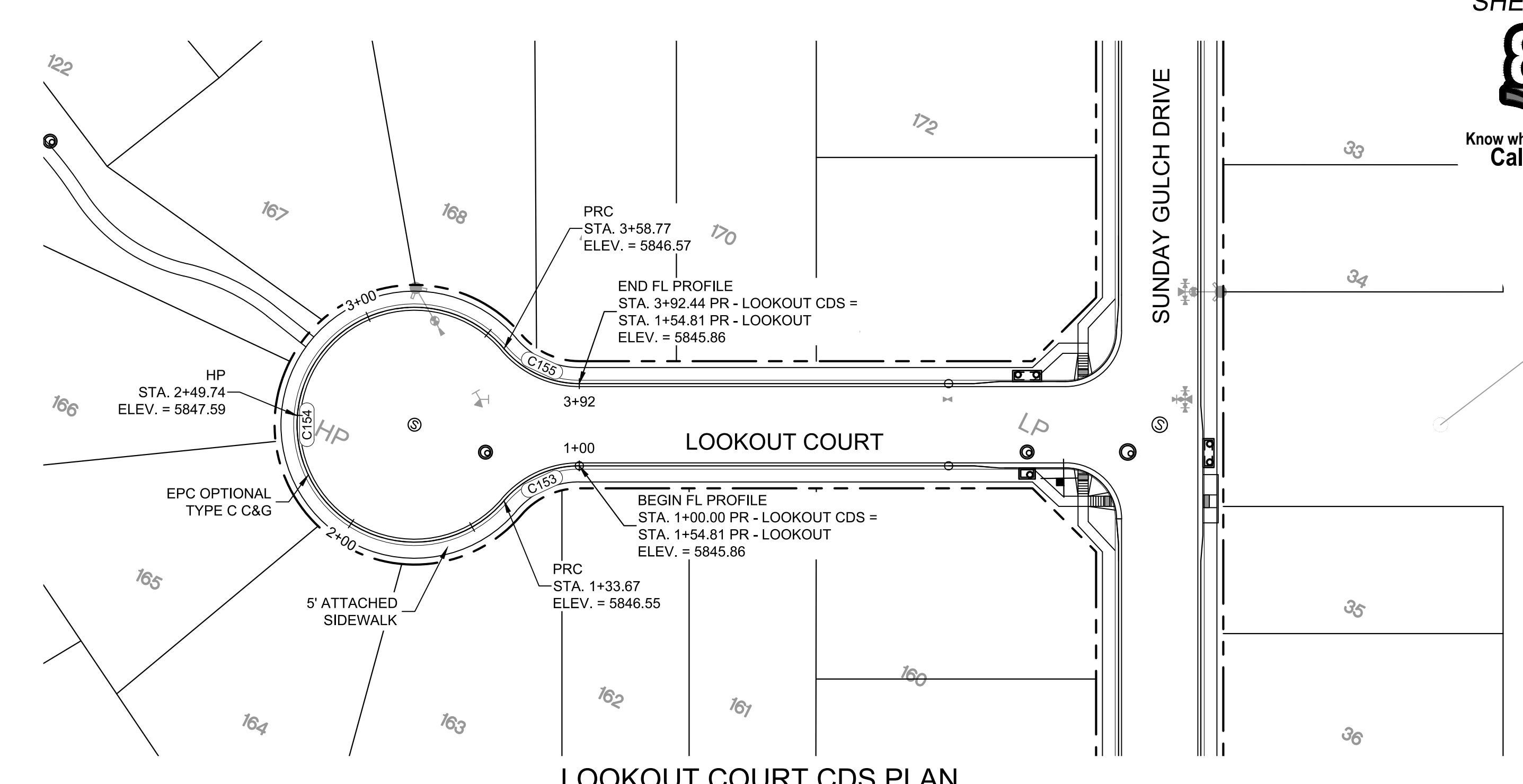
Know what's below.
Call before you dig.



LOOKOUT COURT PLAN

LINE TABLE

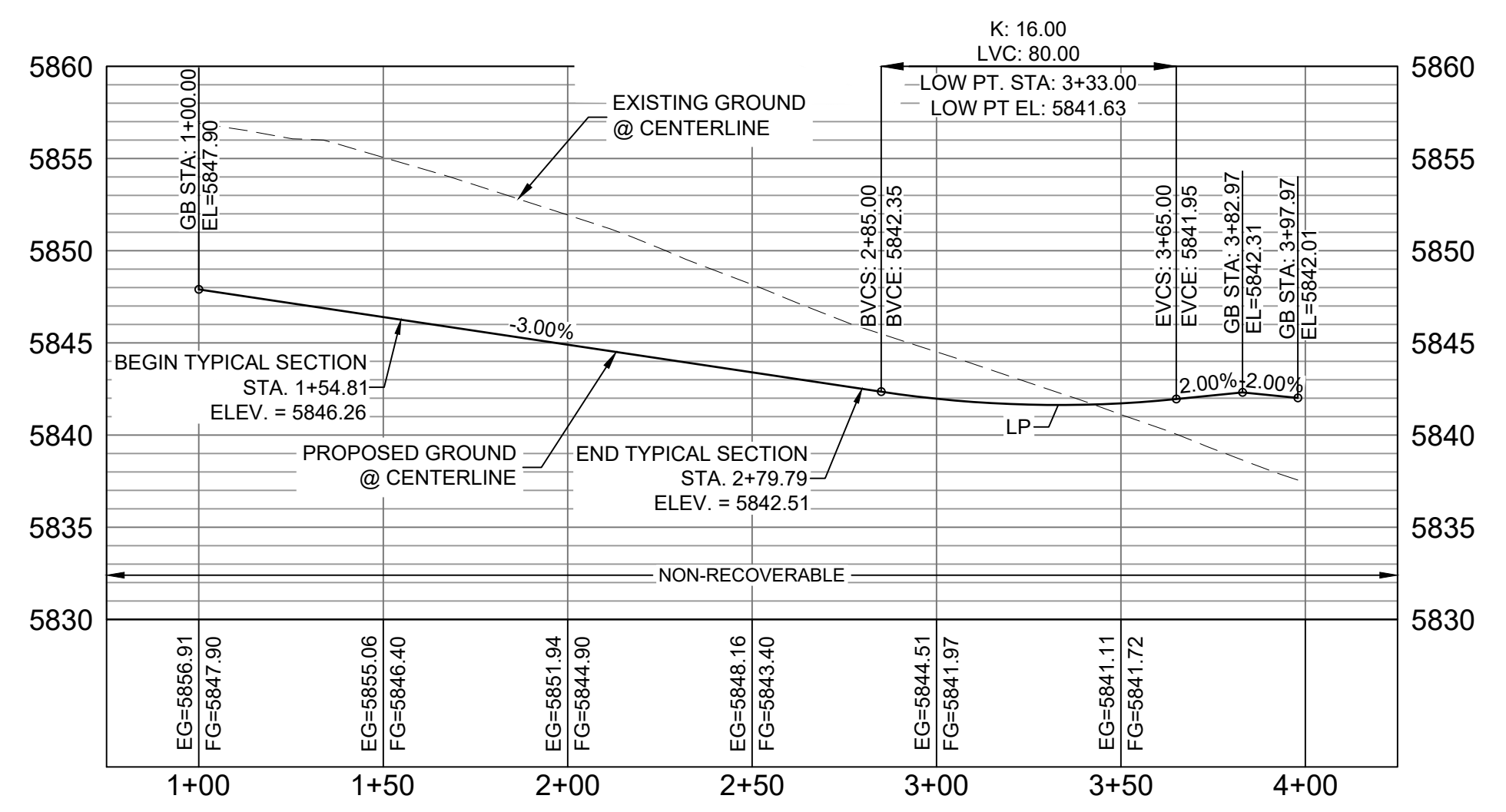
LINE #	BEARING	DISTANCE
L149	N63°25'05"E	15.00
L150	N63°25'05"E	282.97



LOOKOUT COURT CDS PLAN

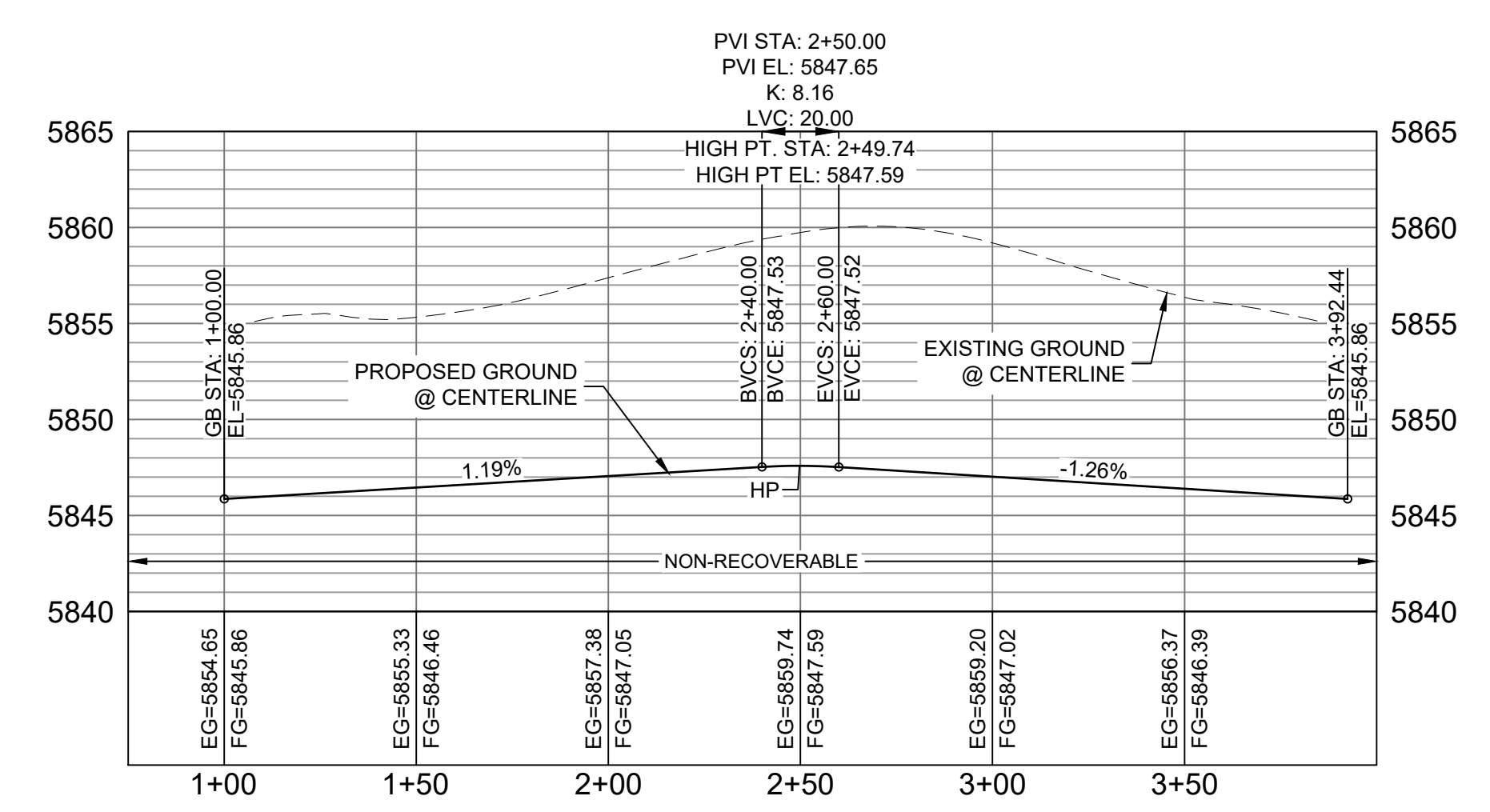
CURVE TABLE

CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C153	33.67	38.83	49°40'47"
C154	225.10	46.17	279°21'34"
C155	33.67	38.83	49°40'47"



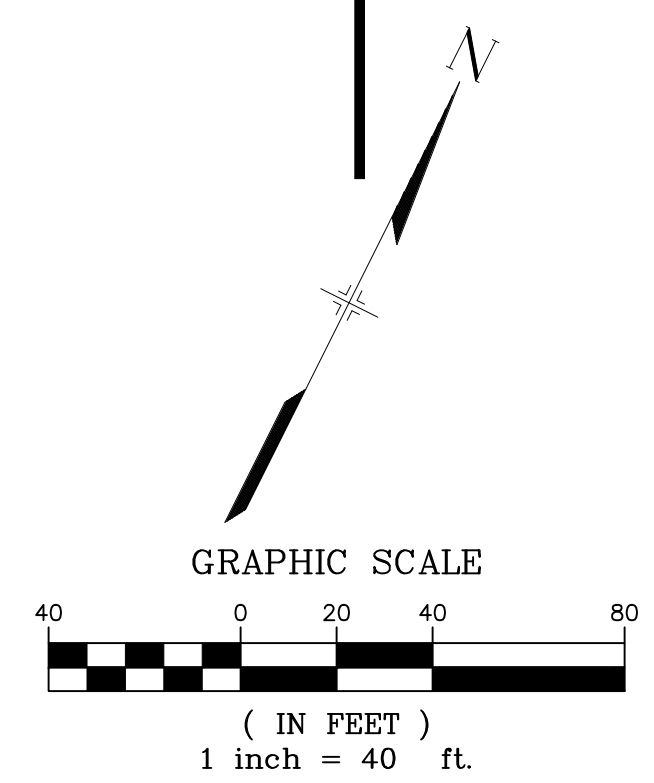
LOOKOUT COURT CL PROFILE

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



LOOKOUT COURT CDS CL PROFILE

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



ENGINEERING RECORD DRAWINGS

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Nicole Schanel Date: 09/30/22
 NICOLE SCHANEL, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.

EPC 2/13/2020

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

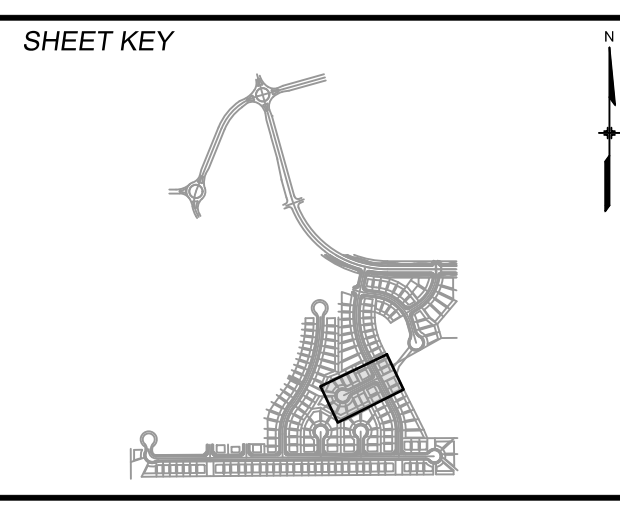
BASIS OF BEARING
 BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N/4 CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS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

No.	DATE	DESCRIPTION	BY
REVISIONS			
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - 11)\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 _____



REVIEW:

STREET DESIGN: _____ DATE: _____

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

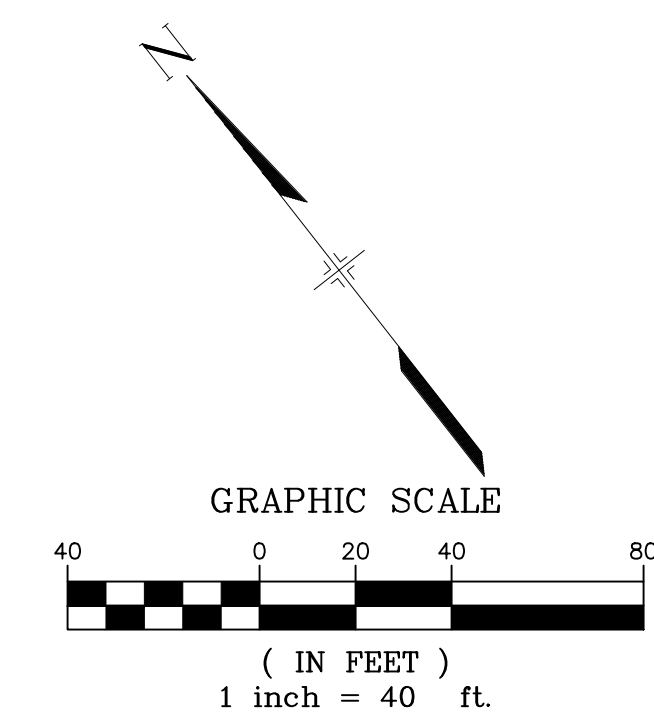
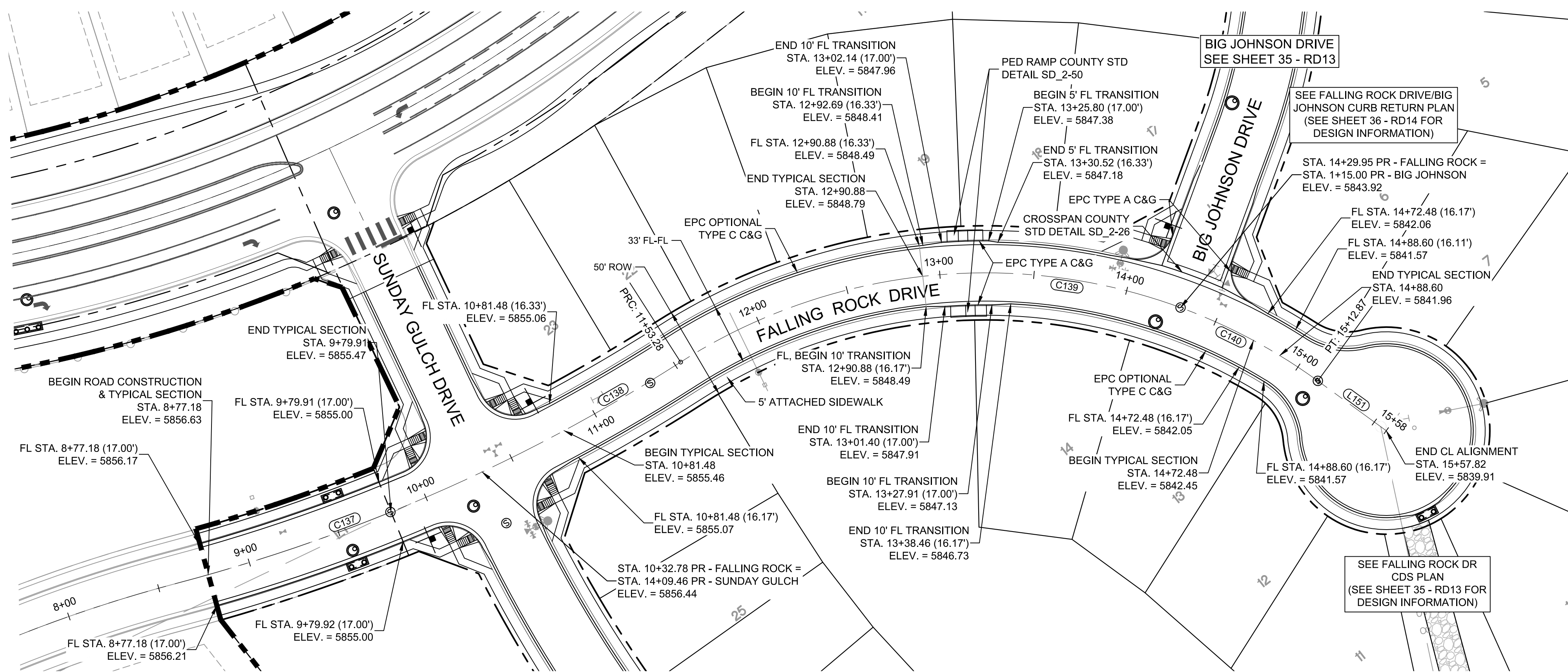
FILING NO. 1
 ROADWAY & STORMDRAIN IMPROVEMENT PLANS

ROADWAY PLAN & PROFILE

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



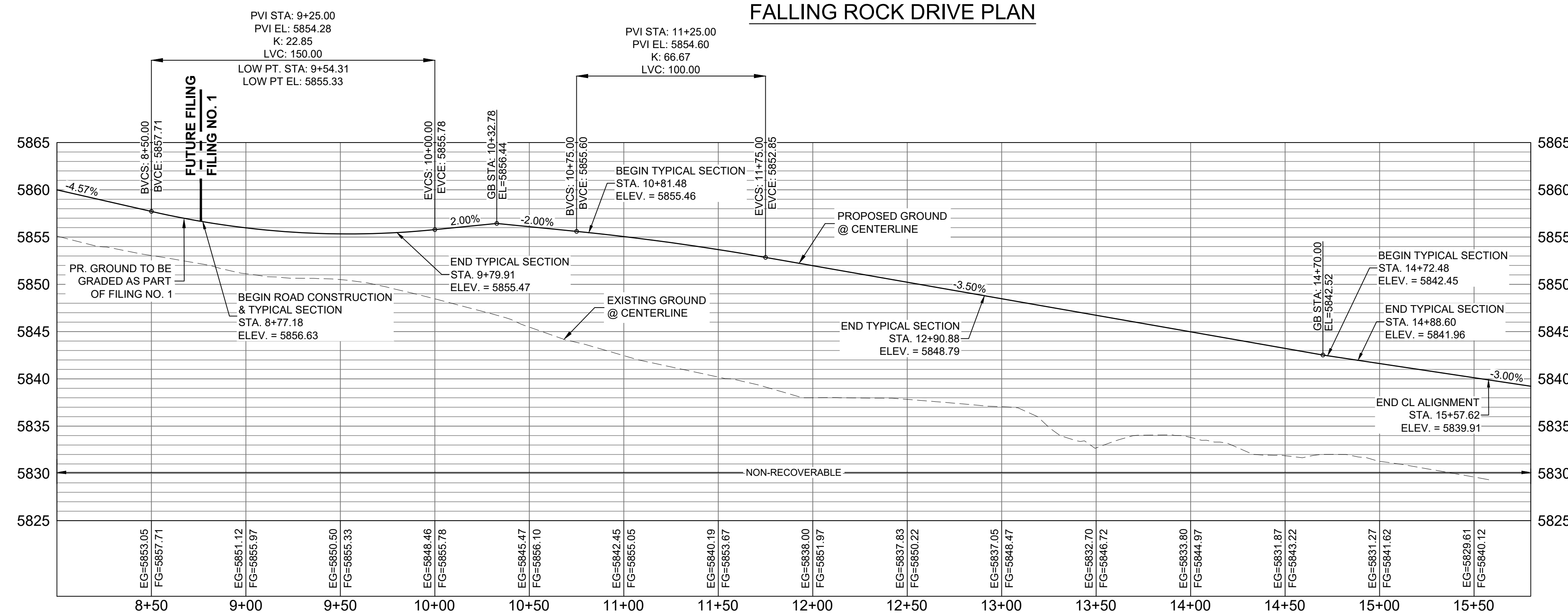
Know what's below.
Call before you dig.



LINE TABLE		
LINE #	BEARING	DISTANCE
L151	S15°53'58"E	44.94

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C137	155.60	940.00	9°29'04"
C138	120.50	940.00	7°20'42"
C139	276.67	300.00	52°50'26"
C140	82.92	300.00	15°50'13"

FALLING ROCK DRIVE PLAN



FALLING ROCK DRIVE CL PROFILE

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

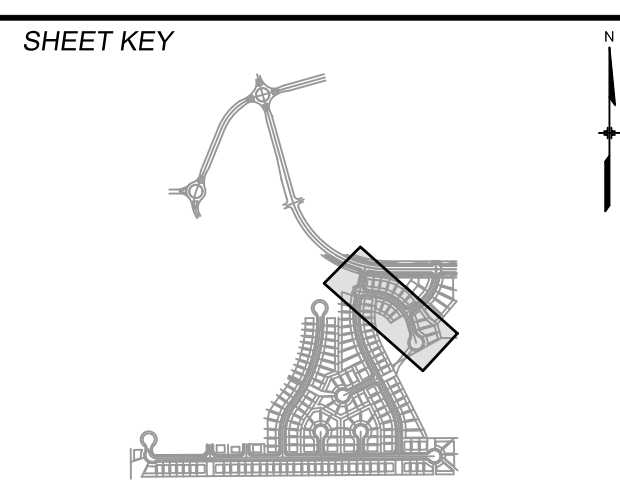
ENGINEERING RECORD DRAWINGS
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 Date: 09/30/22
 Nicole Schanel, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.

EPC 2/13/2020

BENCHMARK
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 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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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 11:27:16 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.

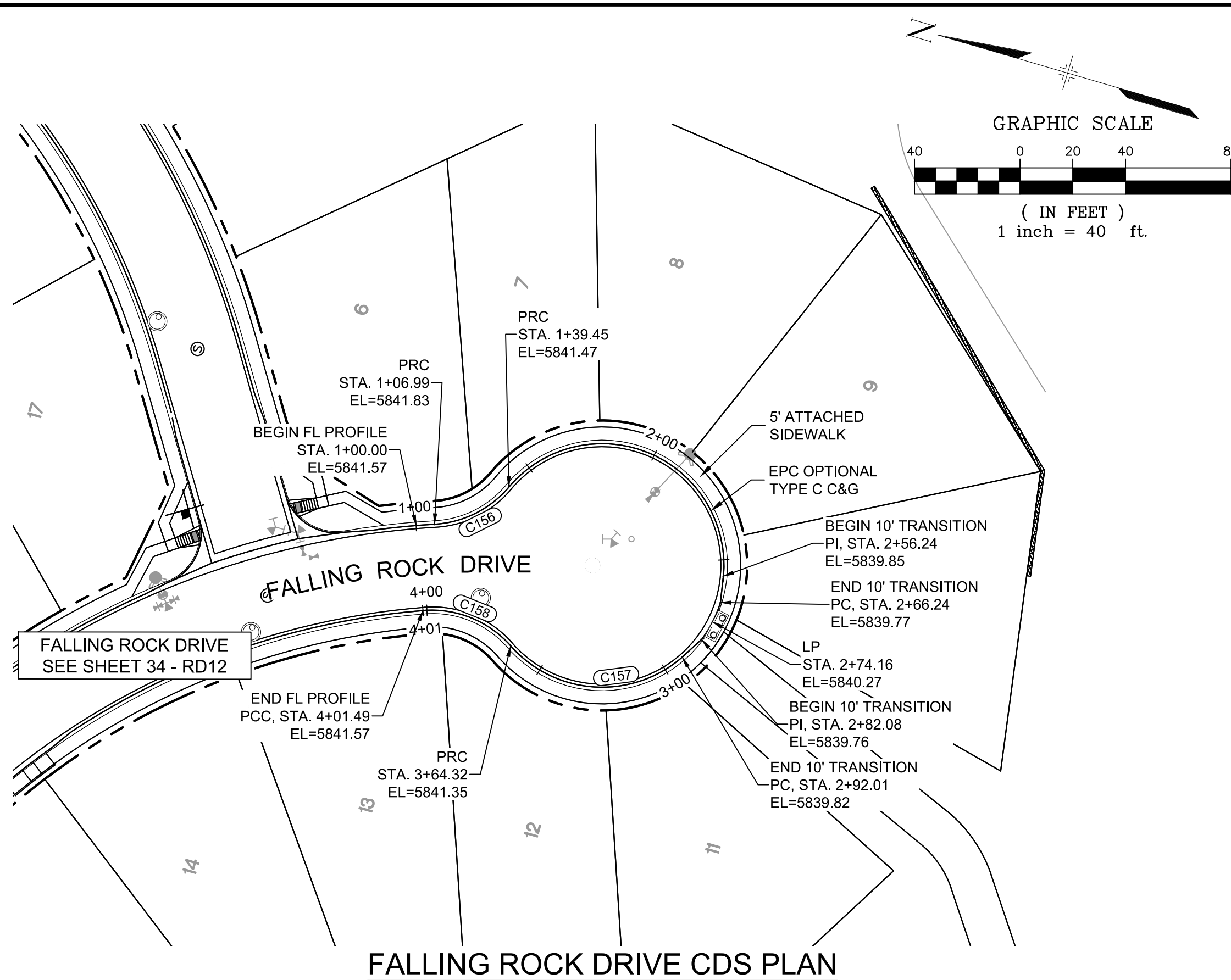
PREPARED BY:



TRAILS AT ASPEN RIDGE
 FILING NO. 1
 ROADWAY & STORMDRAIN IMPROVEMENT PLANS
ROADWAY PLAN & PROFILE
 DESIGNED BY: NMS SCALE: 1"=40'
 DRAWN BY: TJC HORIZ: 1"=40'
 CHECKED BY: NMS VERT: 1"=8' SHEET: 34 OF 73
 DATE ISSUED: SEPTEMBER, 2019
 DRAWING No. RD12



Know what's below.
Call before you dig.

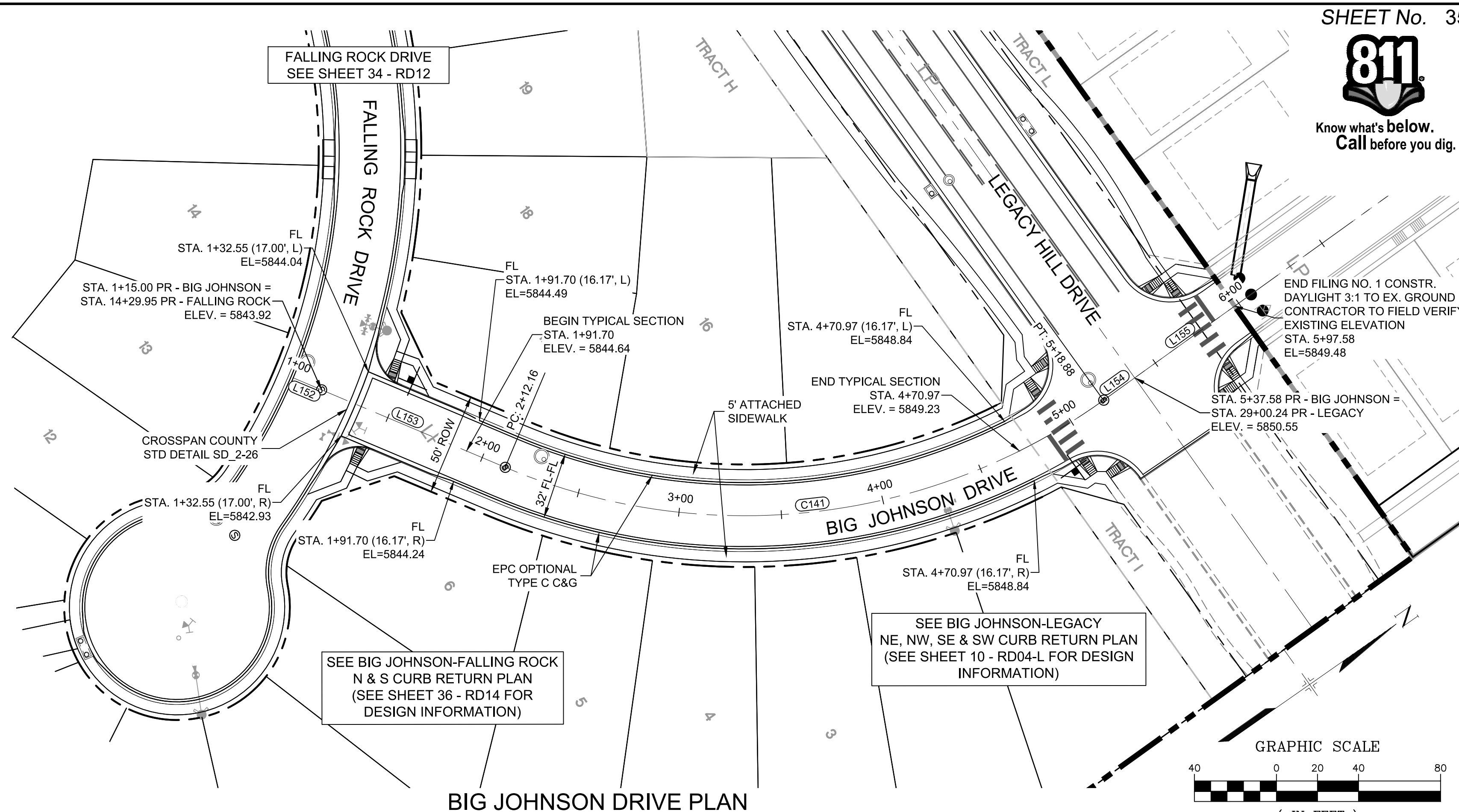
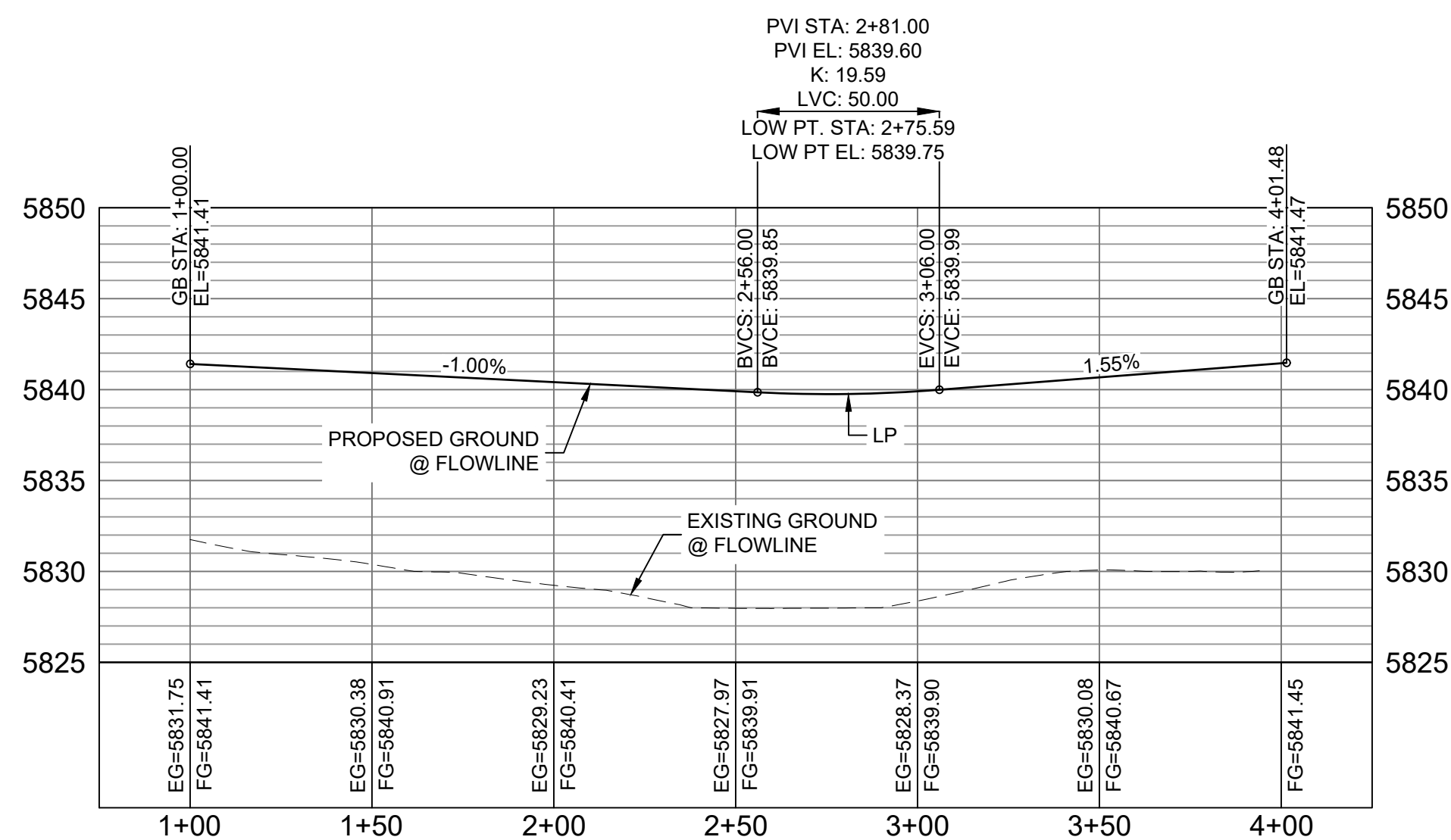


LINE TABLE

LINE #	BEARING	DISTANCE
C156	N58°15'49"E	15.00
C157	N58°15'49"E	97.16
C158	N00°18'57"W	18.70
C159	N00°18'57"W	60.00

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"

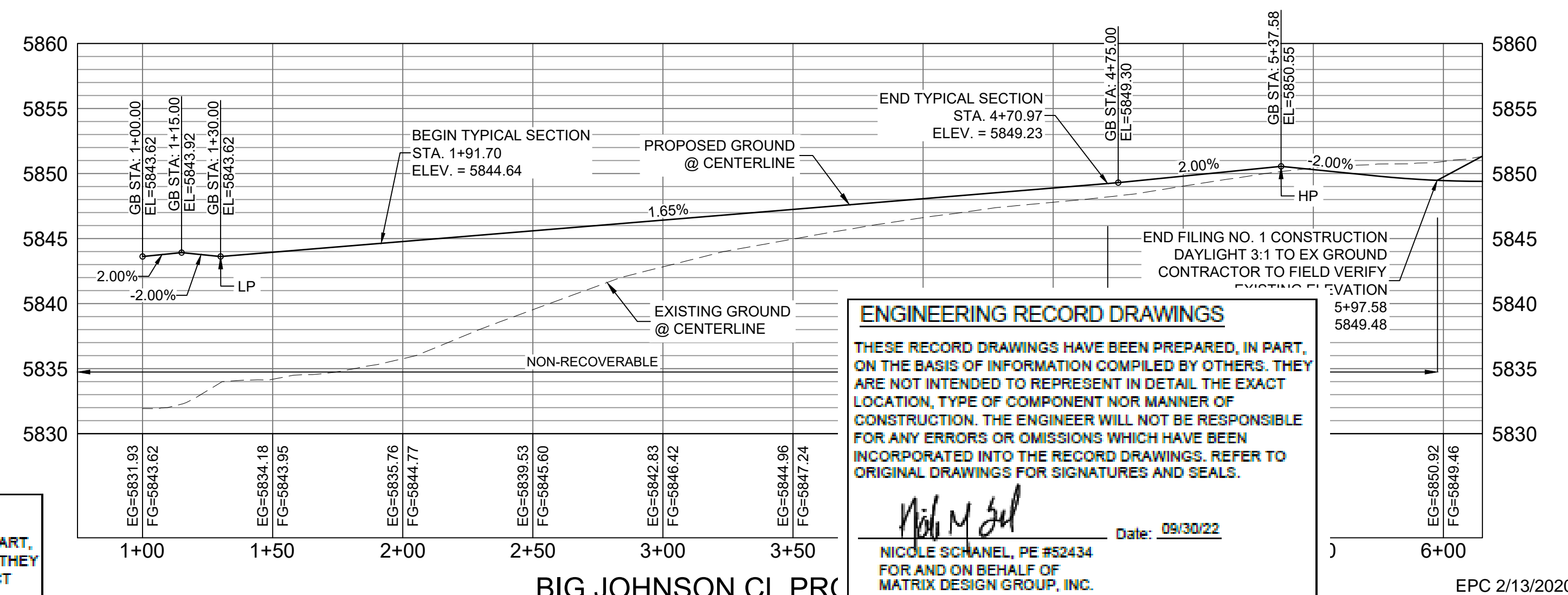


LINE TABLE

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"



ENGINEERING RECORD DRAWINGS

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Nicole Schanel
Date: 09/30/22
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.

ENGINEERING RECORD DRAWINGS

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Nicole Schanel
Date: 09/30/22
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.

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 - 11)\100 Dwg\104 plan sets\construction plans\road & storm plans\RD13-15.dwg			
CTB FILE: ----			
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:

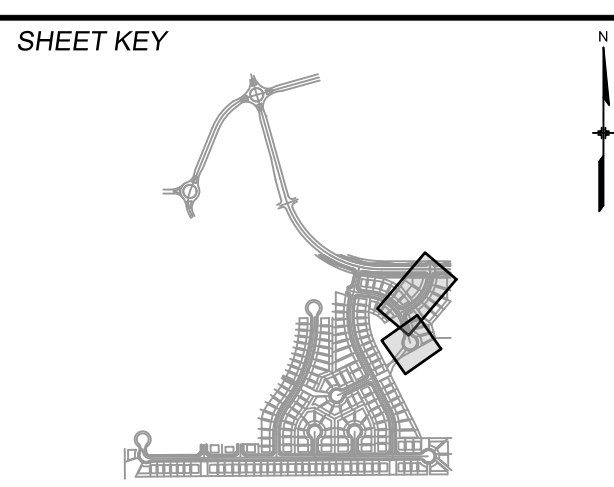
SIDEWALKS: WIDTH 5'
LOCATION: ATTACHED DETACHED

DESIGN SPEED: 25 MPH
CURB TYPE A B C D E
ROW WIDTH 50' FL-FL 32.33'

PAVEMENT: TYPE: HMA PCC THICKNESS: _____

COMPOSITE SECTION: HMA _____ BASE _____

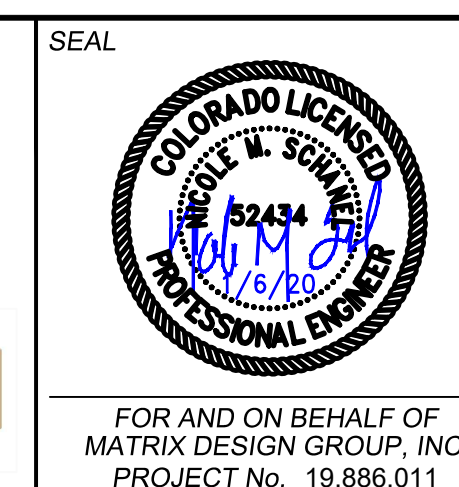
STREET TYPE RESIDENTIAL



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
DRAWN BY: TJC
CHECKED BY: NMS

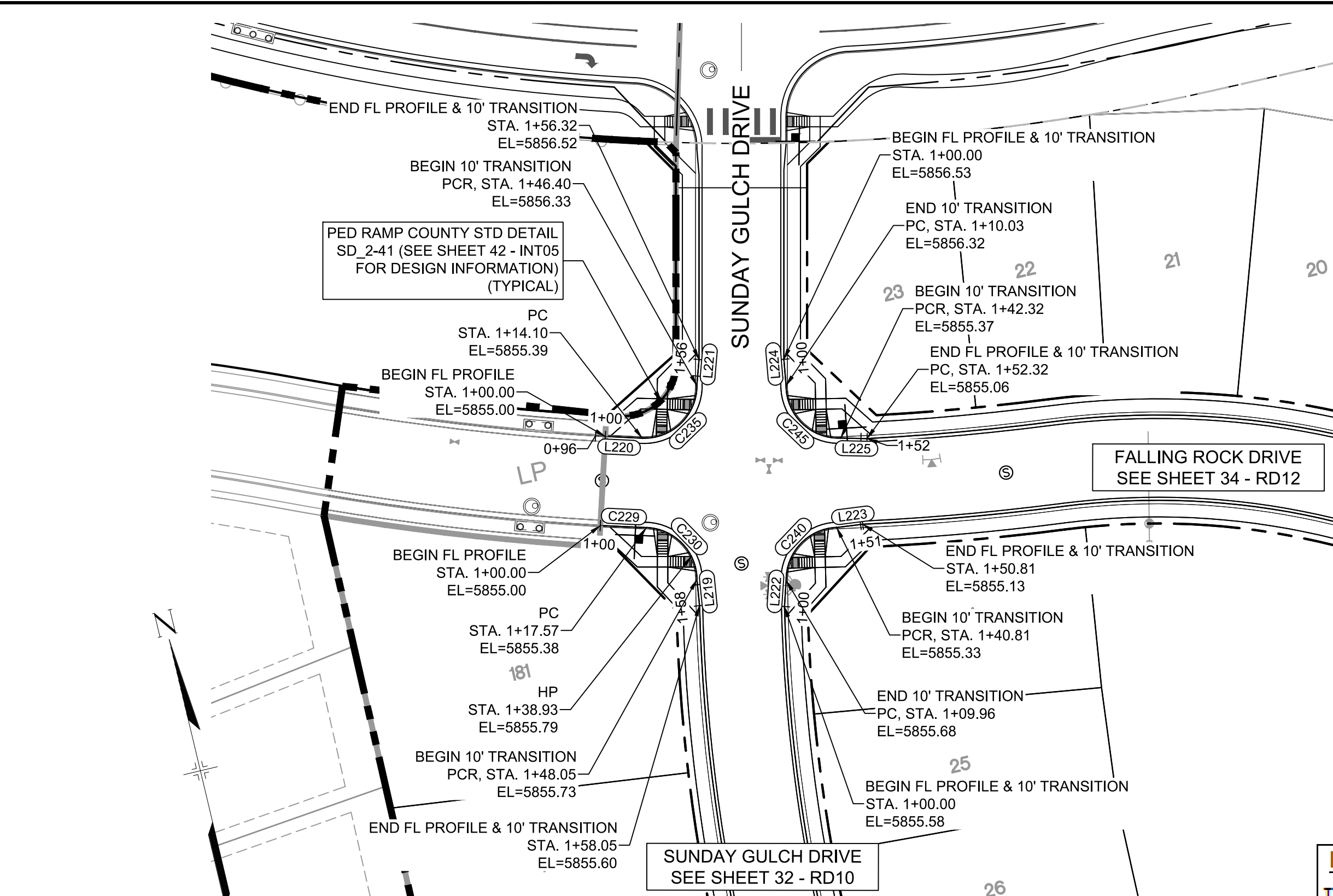
SCALE: 1"=40'
VERT. 1"=8'

DATE ISSUED: SEPTEMBER, 2019
SHEET 35 OF 73

DRAWING No. RD13

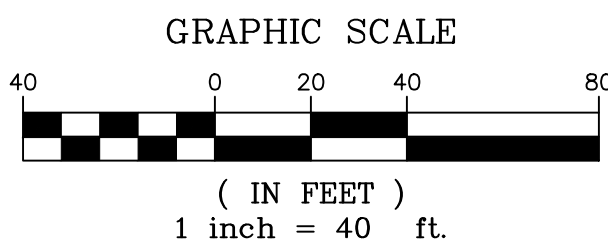


Know what's below. Call before you dig.



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

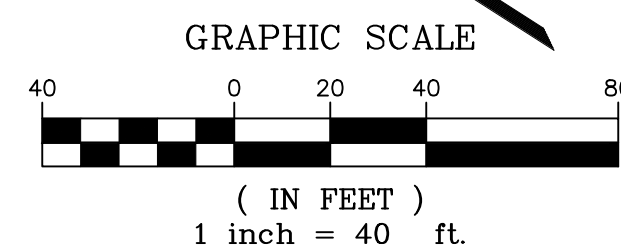
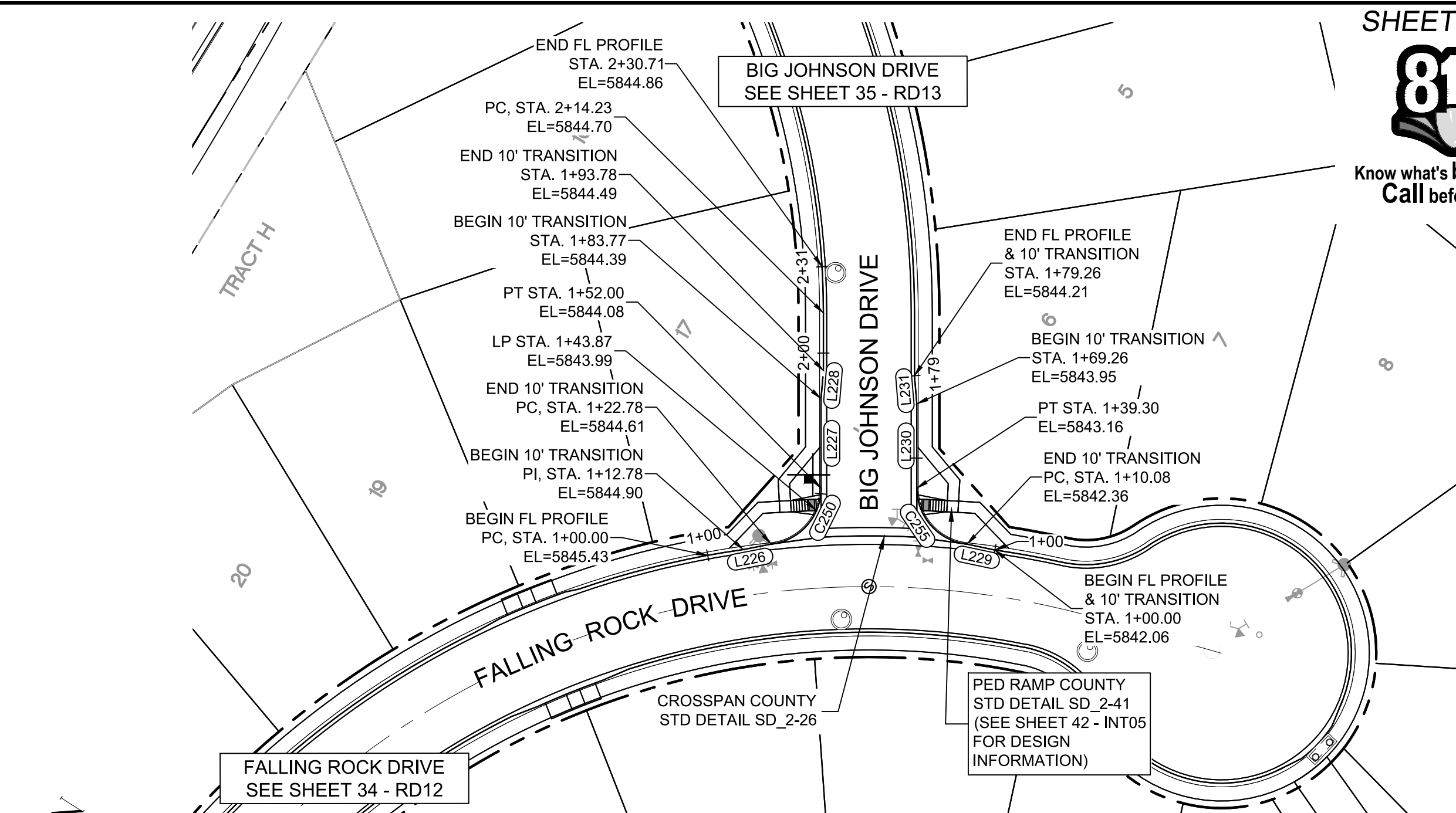
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C229	17.57	957.00	1°03'07"
C230	30.49	20.00	87°20'00"
C235	32.30	20.00	92°32'26"
C240	30.85	20.00	88°23'08"
C245	32.29	20.00	92°29'29"



SUNDAY GULCH DRIVE / FALLING ROCK DRIVE CURB RETURNS PLAN

ENGINEERING RECORD DRAWINGS
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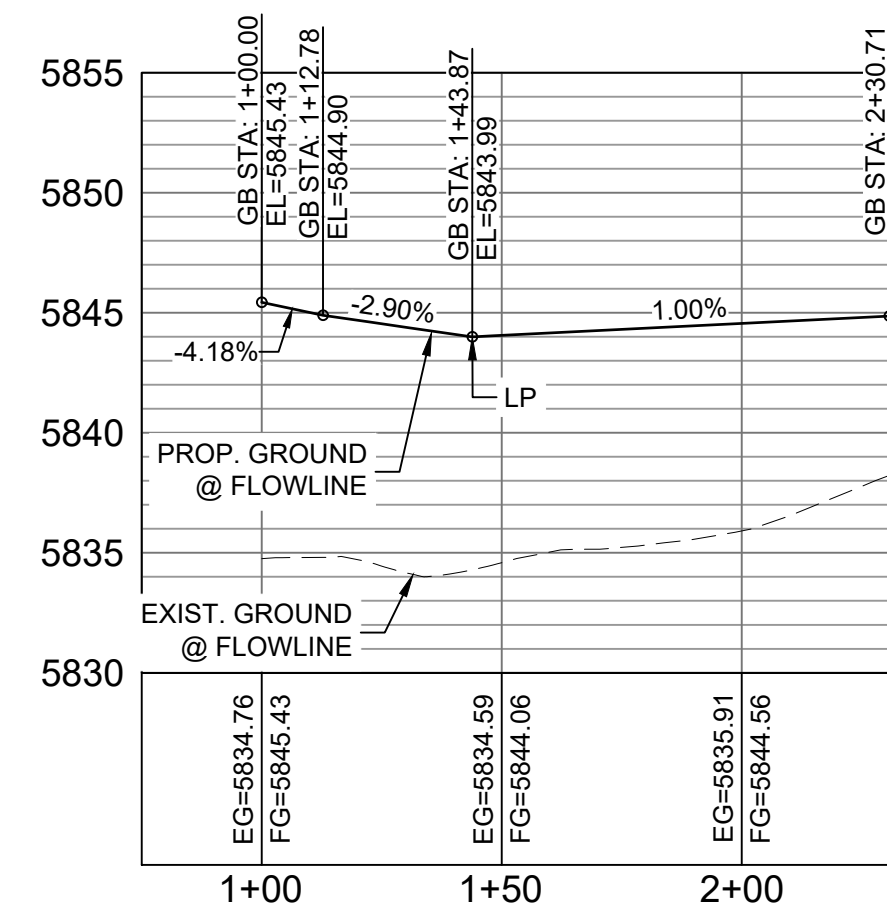
Nicole Schanel
 NICOLE SCHANEL, PE #52434
 FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
 Date: 09/30/22



BIG JOHNSON DRIVE / FALLING ROCK DRIVE CURB RETURNS PLAN

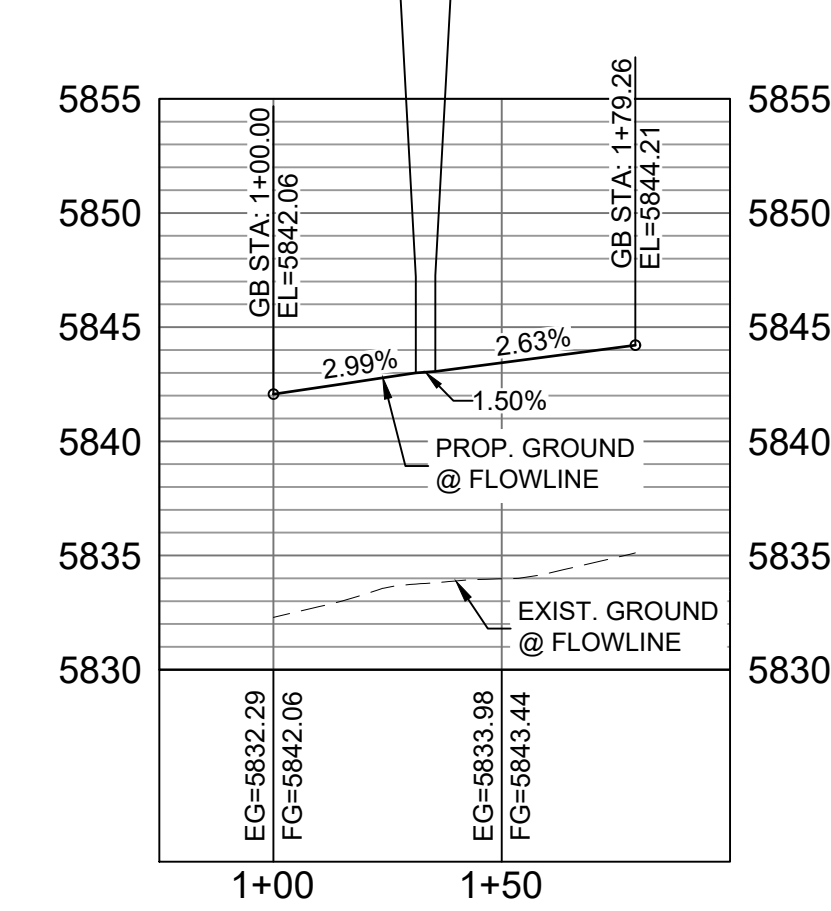
LINE #	BEARING	DISTANCE
L226	S42°47'01"E	10.00
L227	N58°15'49"E	31.77
L228	N63°01'21"E	10.00
L229	N19°47'03"W	10.08
L230	N58°15'49"E	29.96
L231	N53°30'09"E	10.00

CURVE #	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'

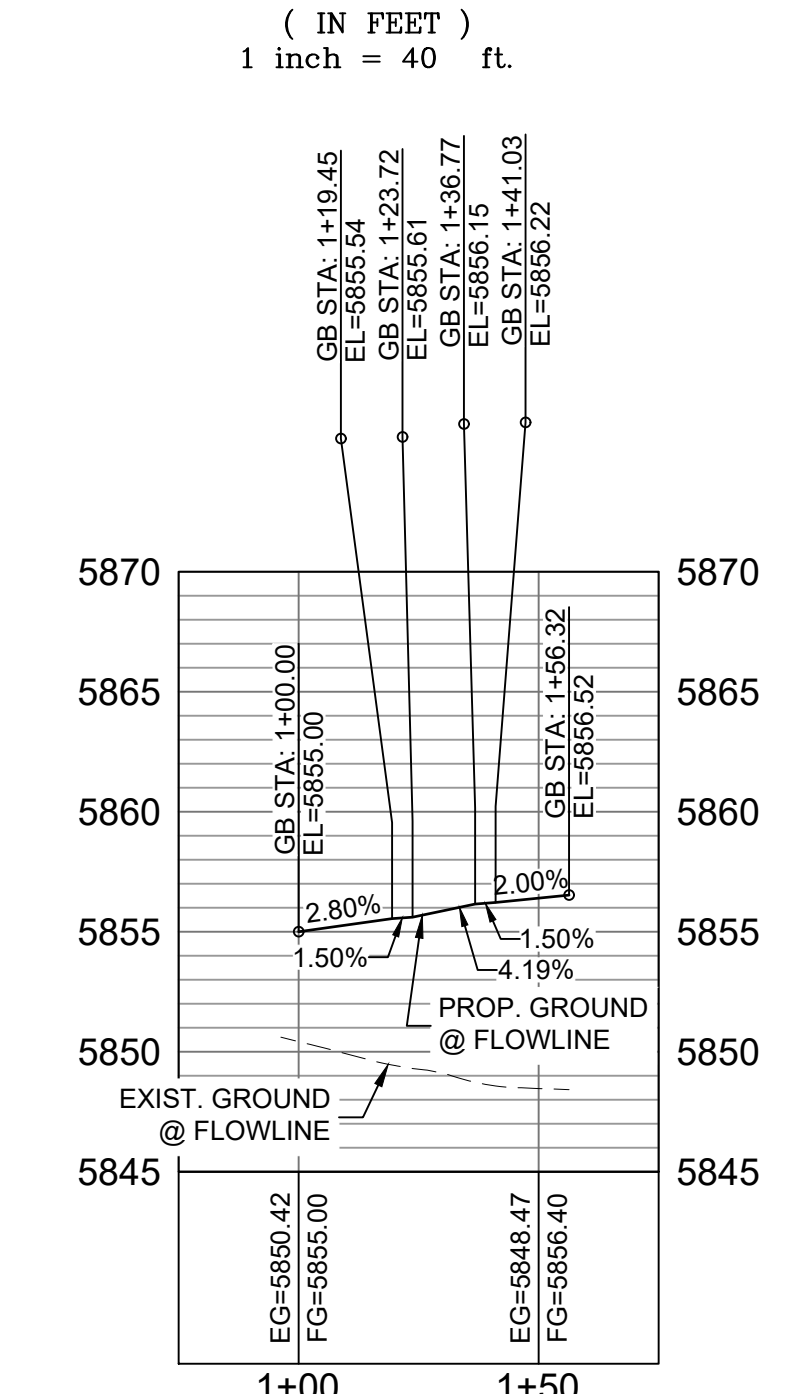


BIG JOHNSON DRIVE / FALLING ROCK DRIVE SOUTH FL CURB RETURN PROFILE

HORIZ: 1" = 40'
 VERT: 1" = 8' EPC 2/13/2020

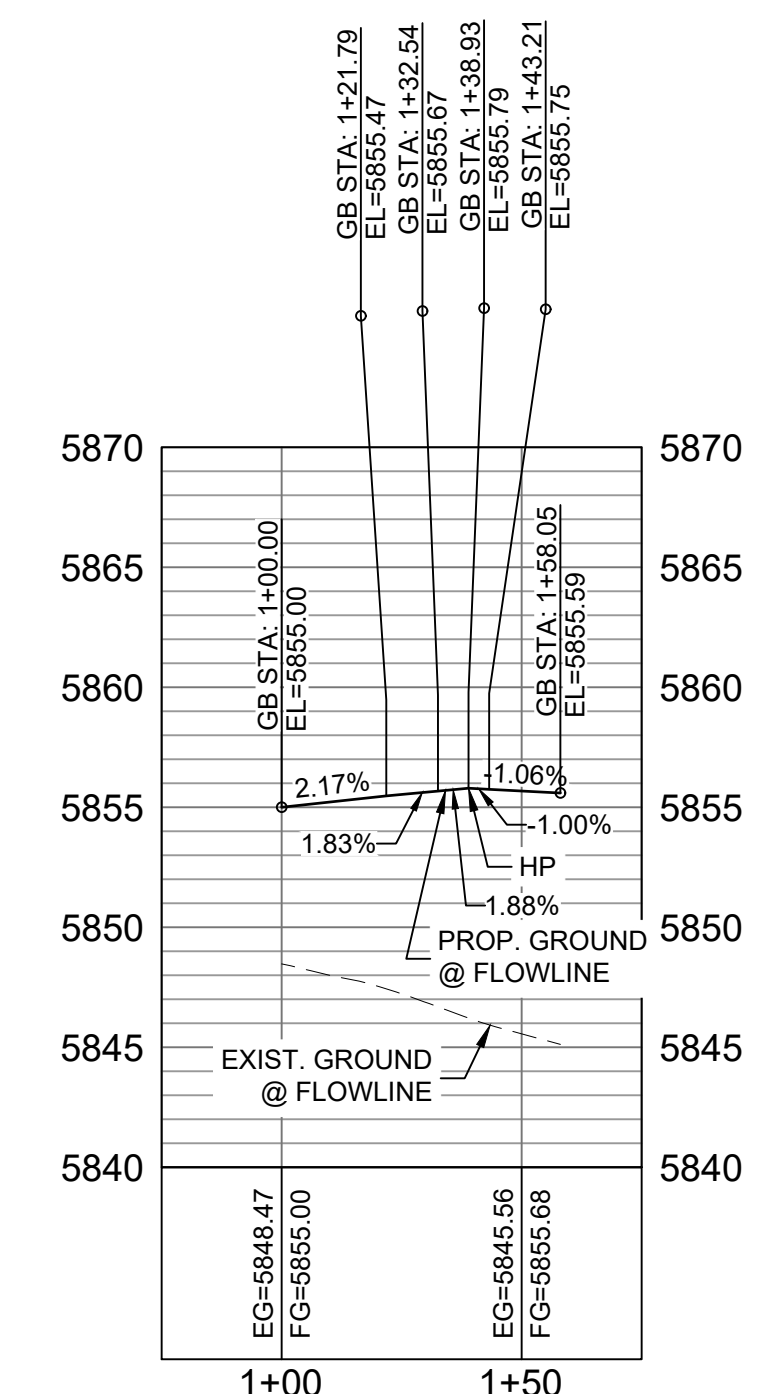
BENCHMARK
 COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
 A BERTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.
 ELEVATION - 5897.89' U.S. SURVEY FT

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



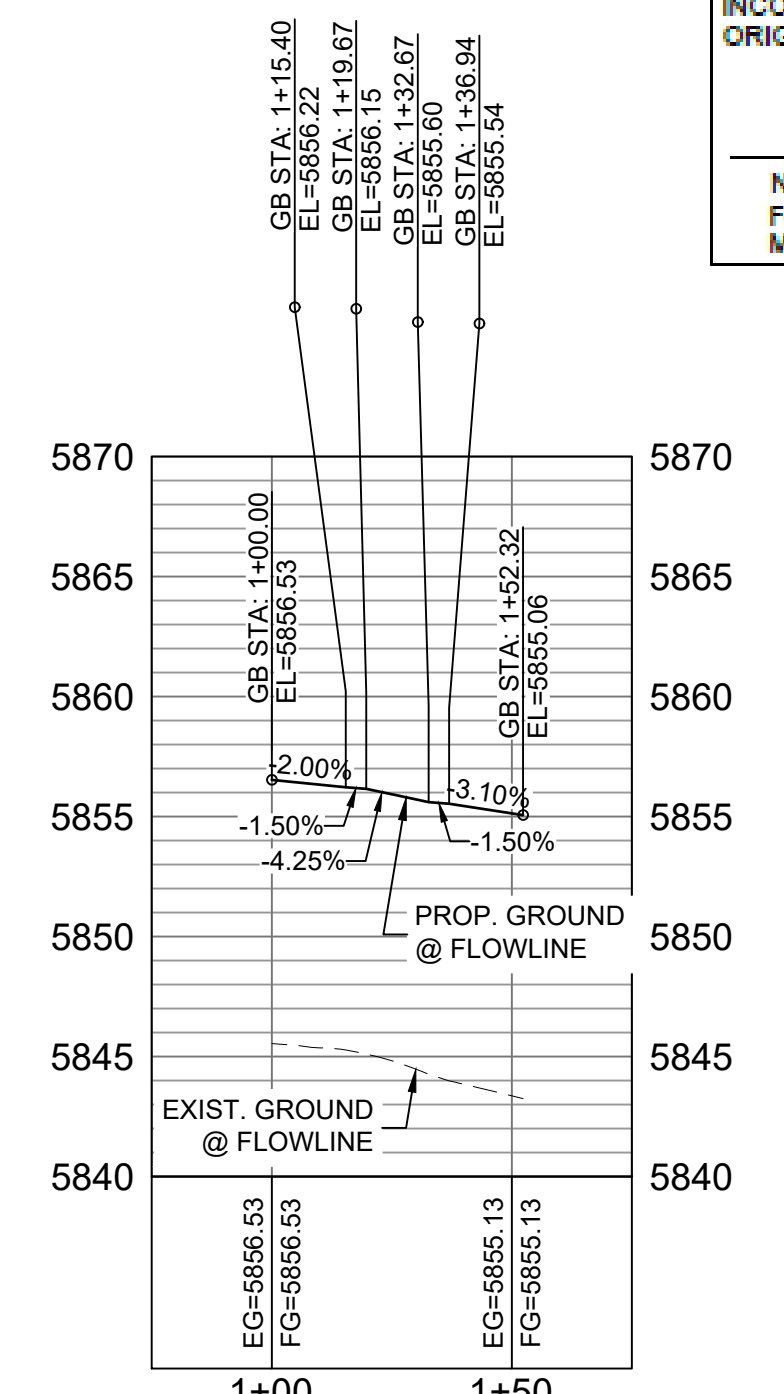
SUNDAY GULCH DRIVE / FALLING ROCK DRIVE NW FL CURB RETURN PROFILE

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



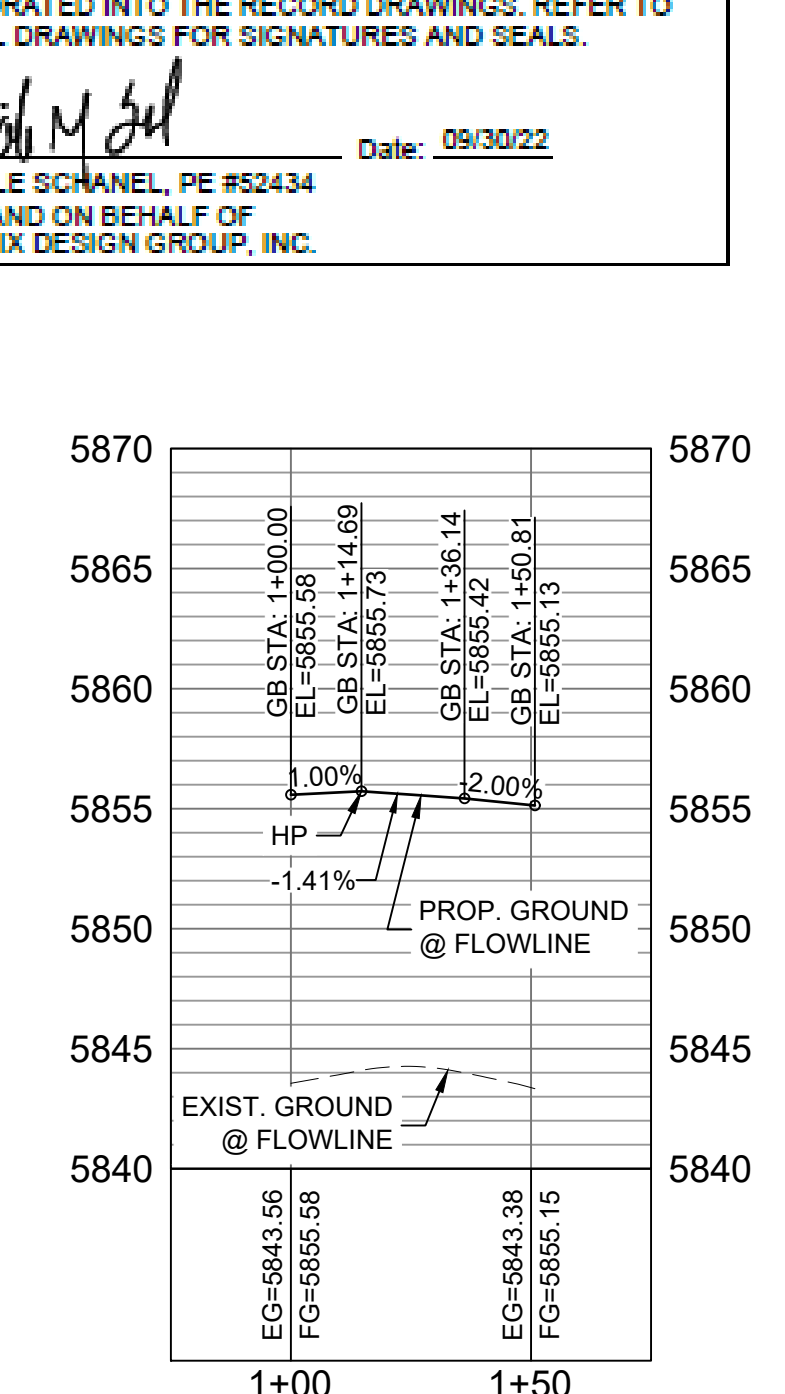
SUNDAY GULCH DRIVE / FALLING ROCK DRIVE SW FL CURB RETURN PROFILE

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



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

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



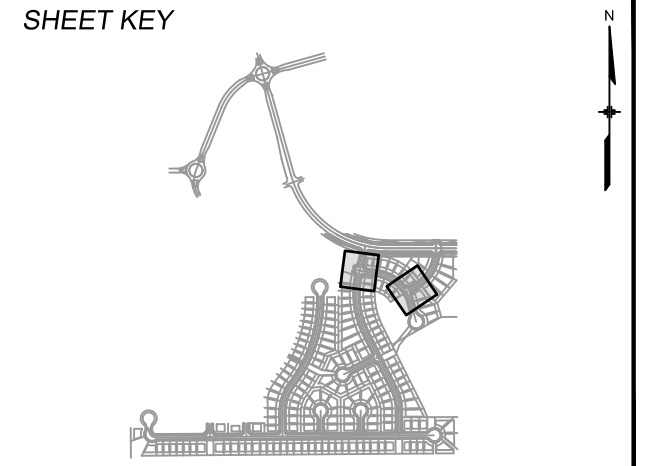
SUNDAY GULCH DRIVE / FALLING ROCK DRIVE SE FL CURB RETURN PROFILE

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

No.	DATE	DESCRIPTION	BY
REVISIONS			
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - 11)\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: _____ 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.

PREPARED BY:
Matrix DESIGN GROUP



TRAILS AT ASPEN RIDGE
 FILING NO. 1
 ROADWAY & STORMDRAIN IMPROVEMENT PLANS

ROADWAY PLAN & PROFILE

DESIGNED BY: NMS
 DRAWN BY: TJC
 CHECKED BY: NMS

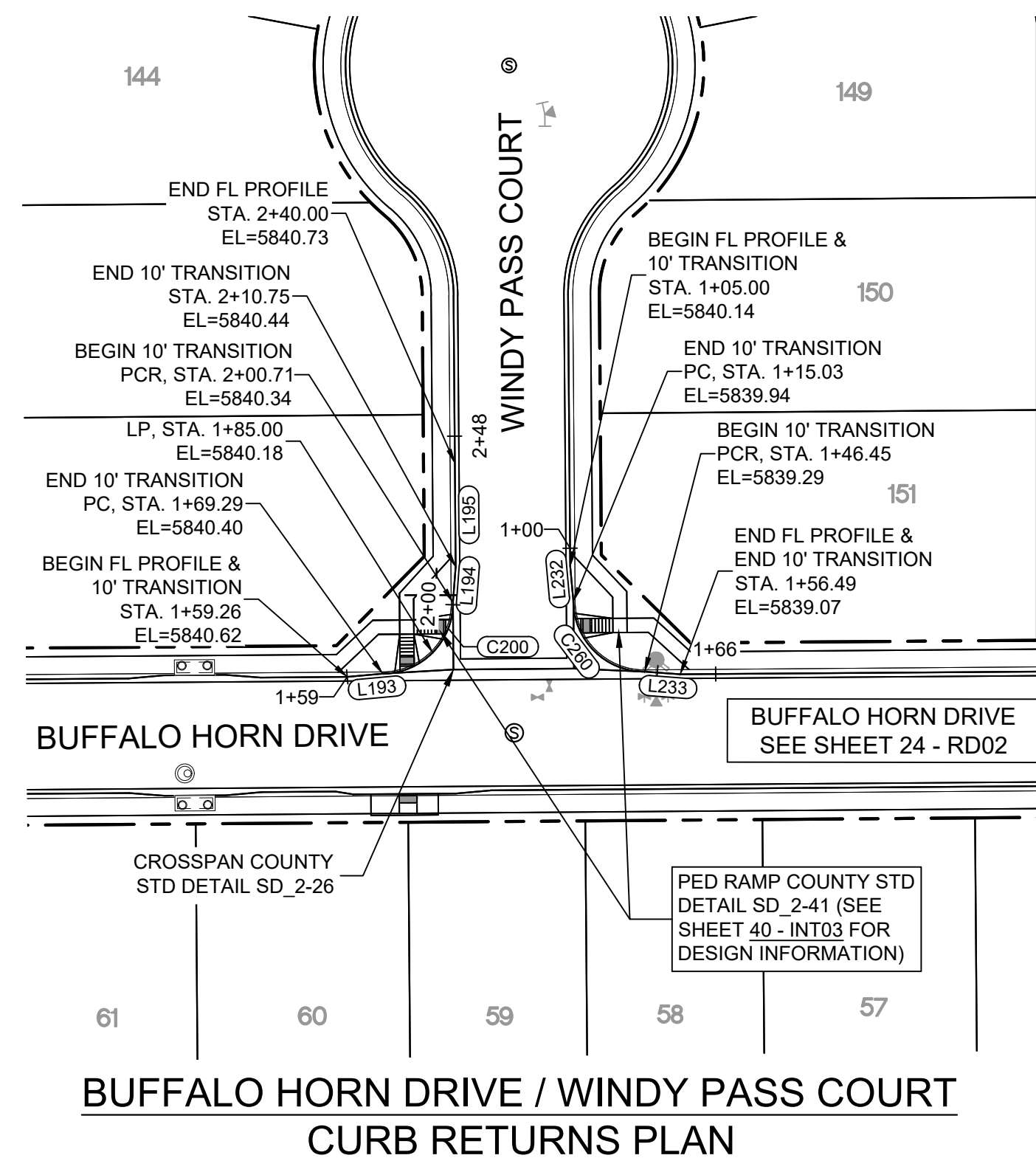
SCALE: HORIZ 1"=40' VERT 1"=8'

DATE ISSUED: SEPTEMBER, 2019
 SHEET 36 OF 73

DRAWING No. RD14

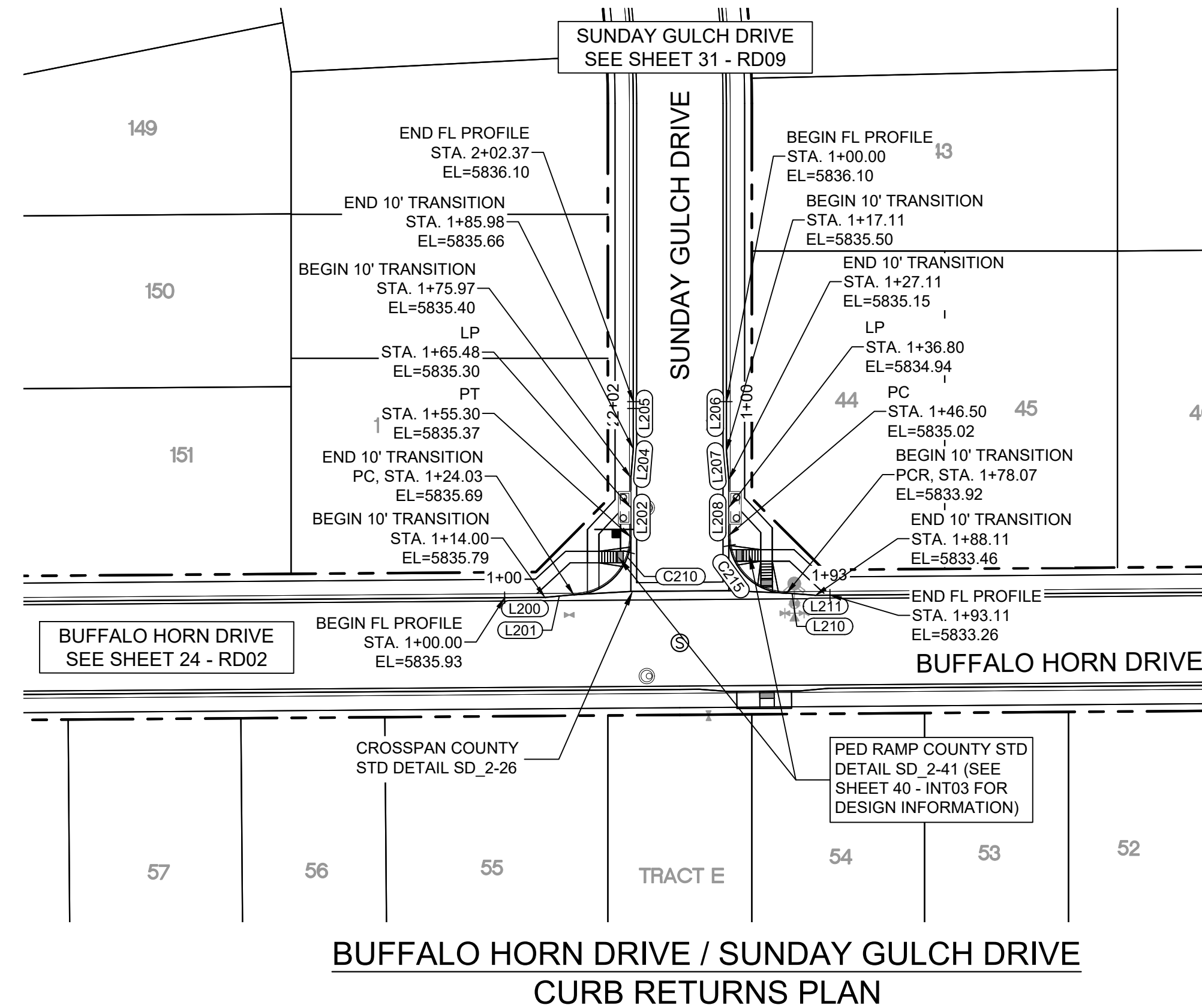


Know what's below.
Call before you dig.



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

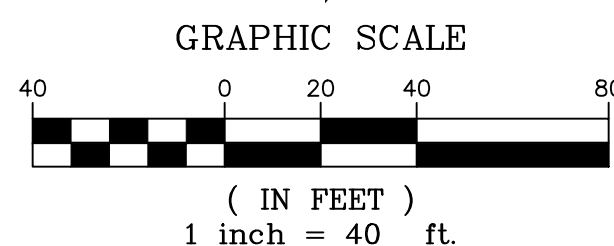
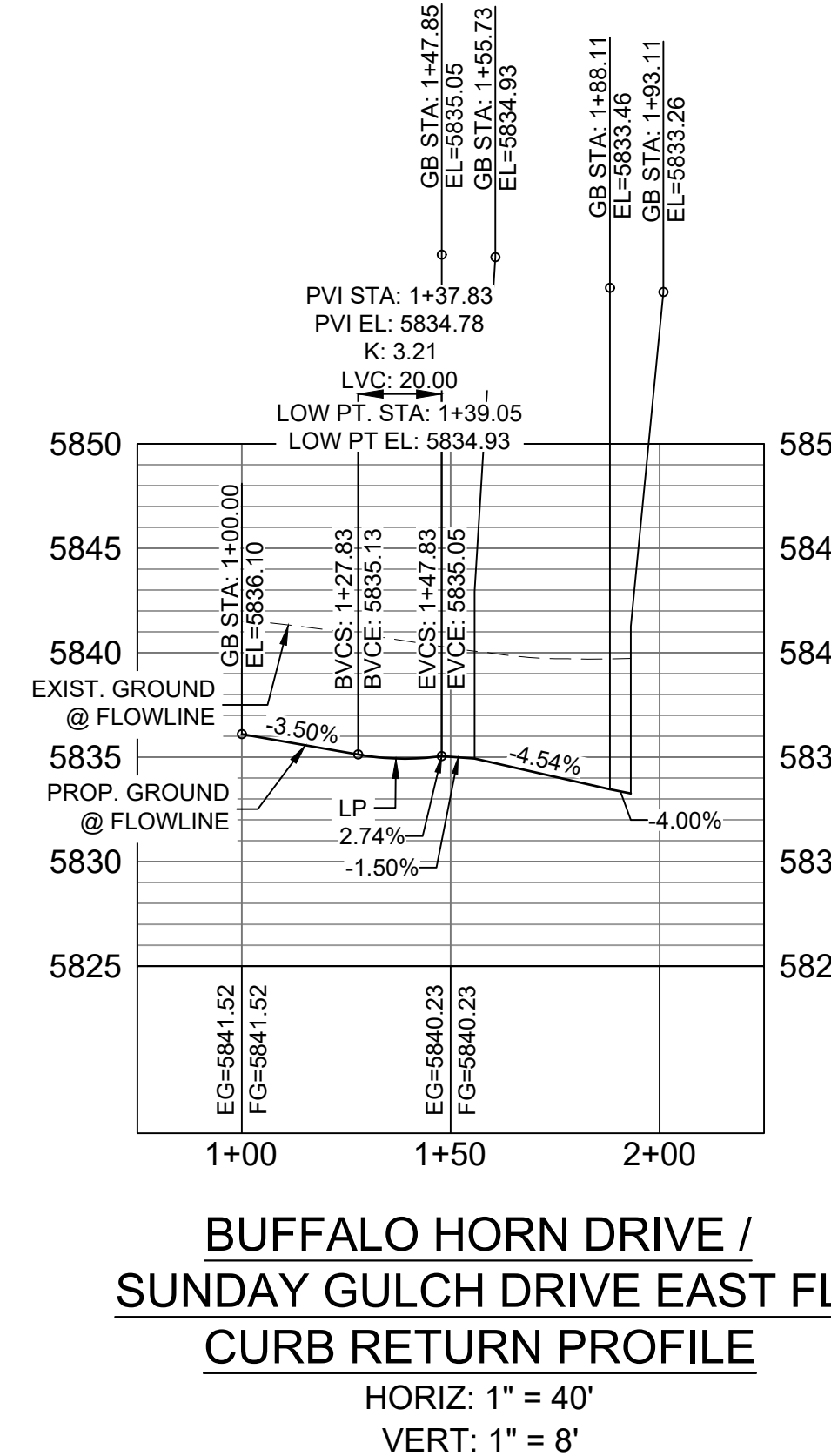
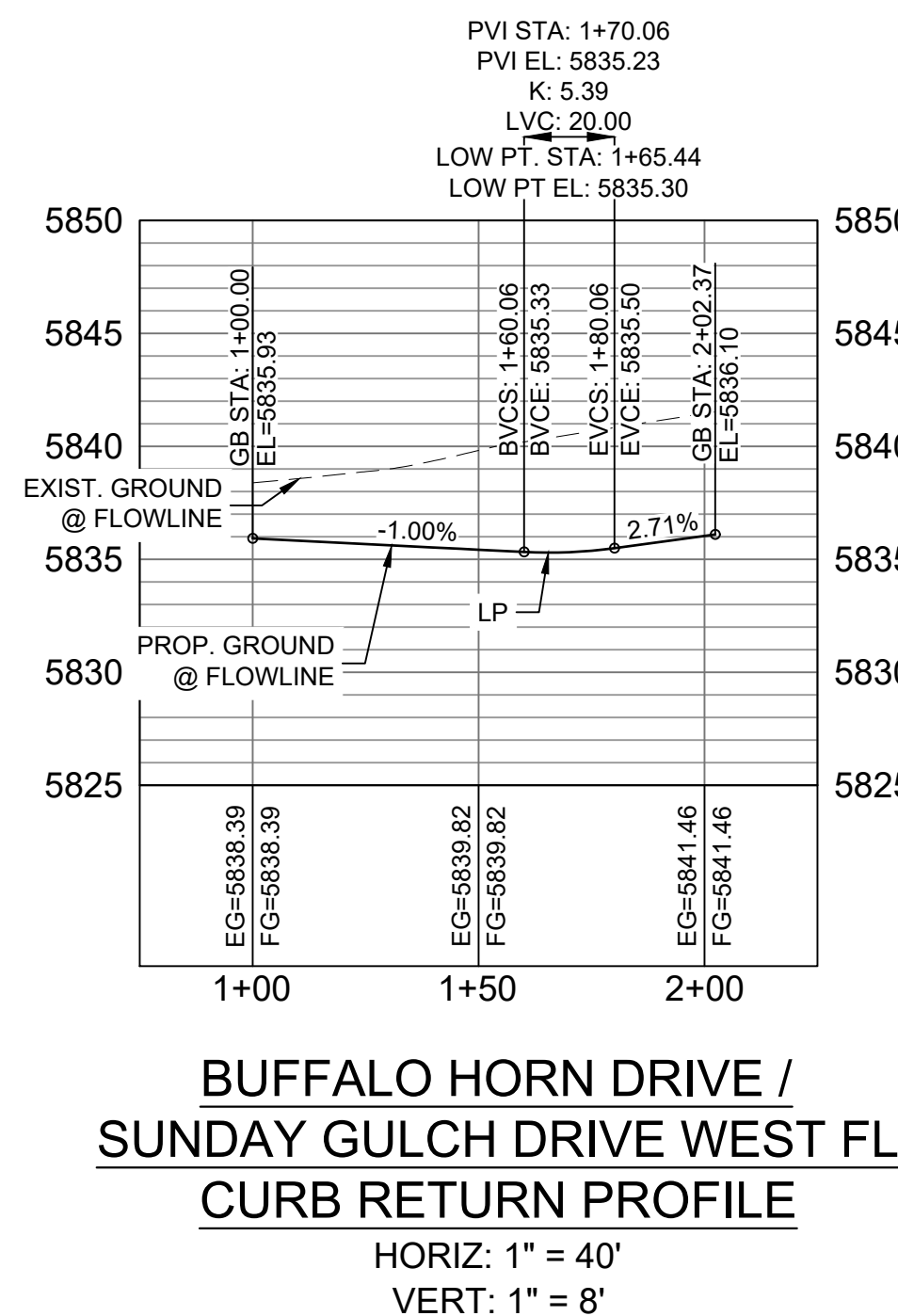
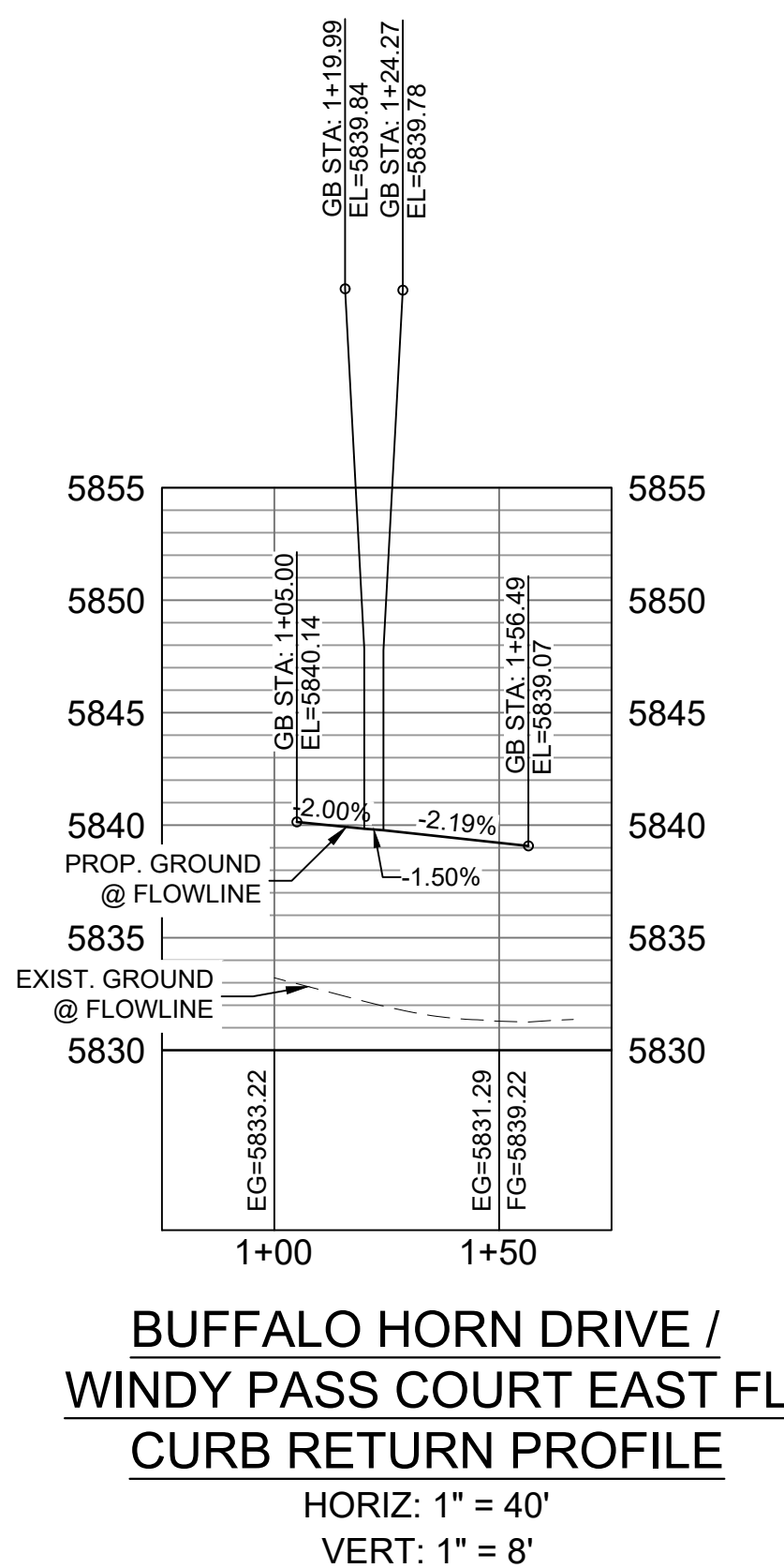
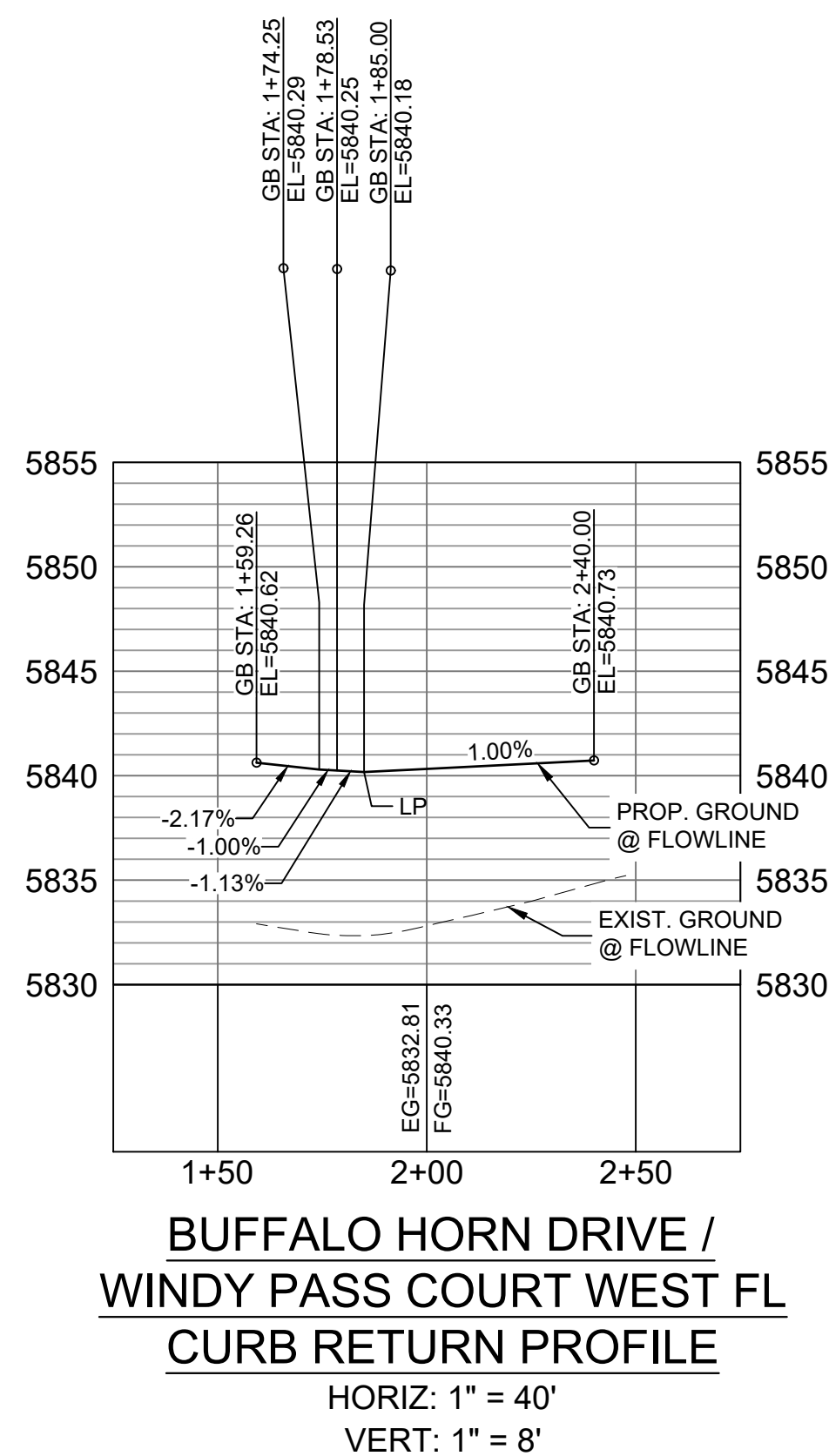
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C200	31.42	20.00	90°00'00"
C260	31.42	20.00	90°00'00"



ENGINEERING RECORD DRAWINGS
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 Nicole Schanel, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.
 Date: 09/30/22

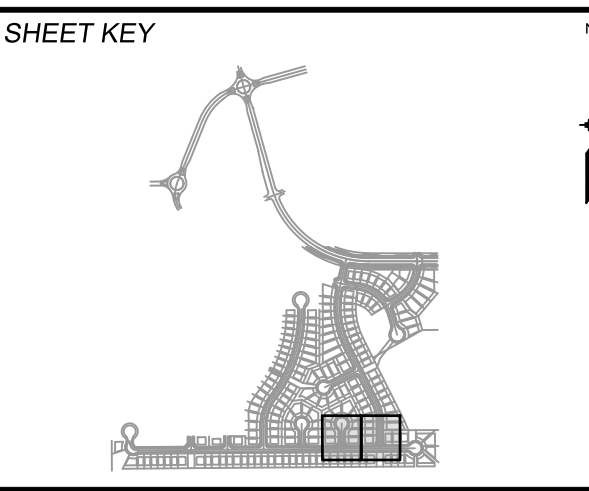
LINE #	BEARING	DISTANCE
L200	N89°33'35"E	14.00
L201	N84°47'46"E	10.03
L202	N00°00'00"E	20.68
L204	N04°46'45"E	10.00
L205	N00°00'00"E	16.39
L206	S00°00'00"E	17.11
L207	S04°46'47"E	10.00
L208	S00°00'00"E	19.39
L210	S85°40'36"E	10.03
L211	N89°33'35"E	5.00

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



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\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



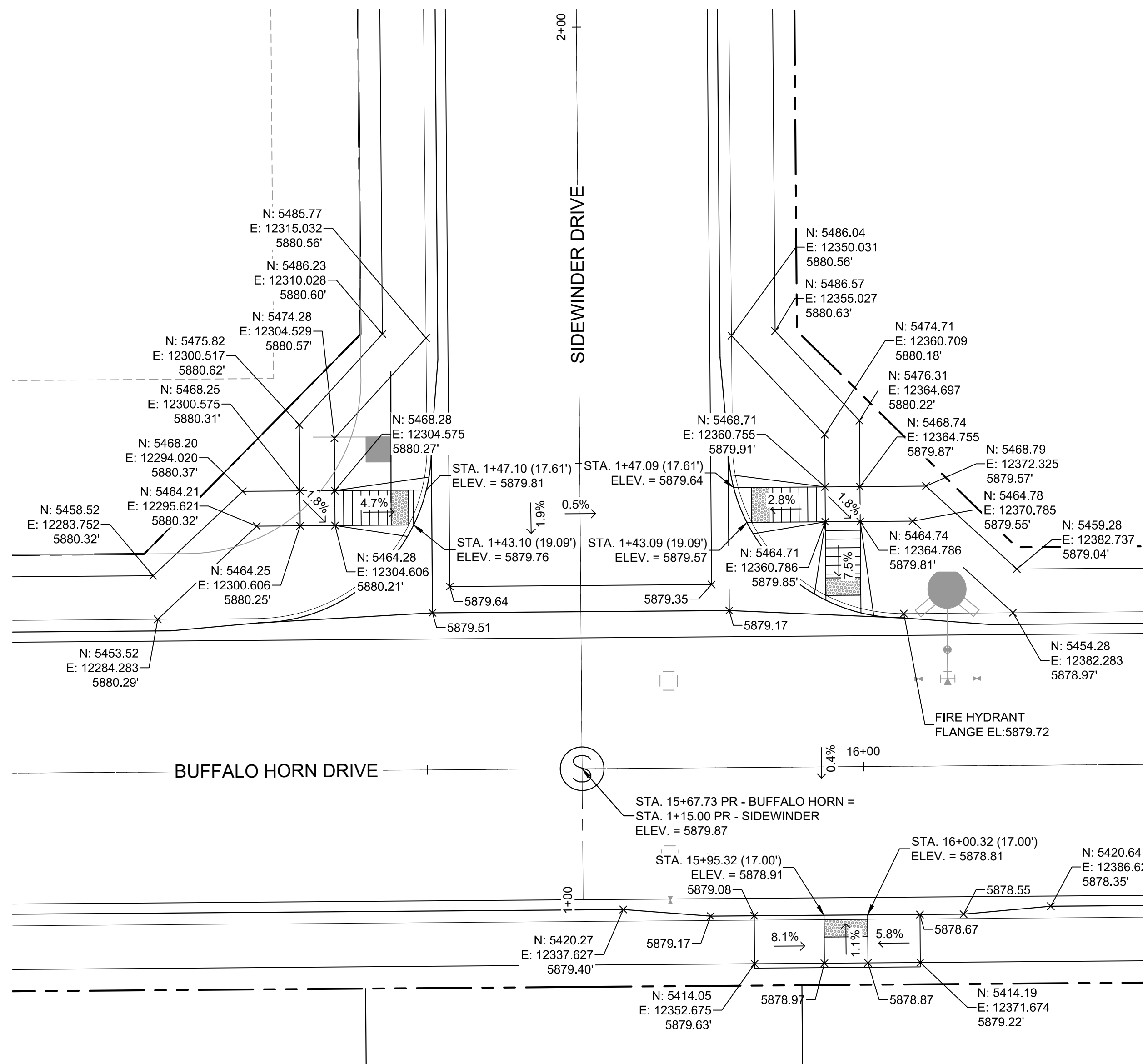
REVIEW:
 STREET DESIGN: _____ DATE: _____
 CURB & GUTTER REVIEW _____ DATE: _____
 FINAL REVIEW _____ DATE: _____
 DRAINAGE DESIGN: _____ DATE: _____
 BY: _____
 TRAFFIC DESIGN: _____ DATE: _____
 BY: _____
 *Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado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



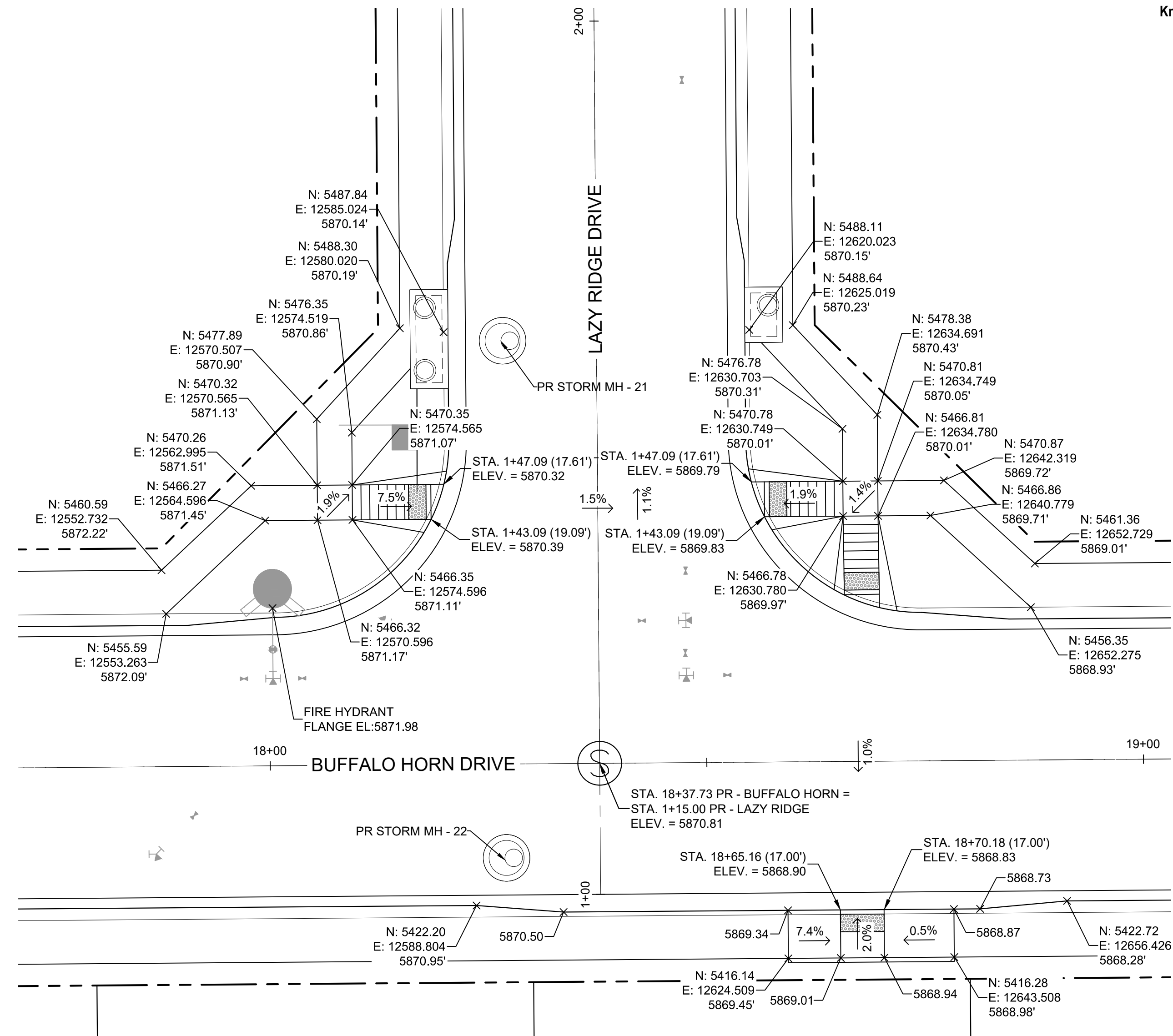
TRAILS AT ASPEN RIDGE
 FILING NO. 1
 ROADWAY & STORMDRAIN IMPROVEMENT PLANS
ROADWAY PLAN & PROFILE
 DESIGNED BY: NMS SCALE: 1"=40'
 DRAWN BY: TJC HORIZ: 1"=40'
 CHECKED BY: NMS VERT: 1"=8' SHEET 37 OF 73
 DATE ISSUED: SEPTEMBER, 2019
 DRAWING No. RD15



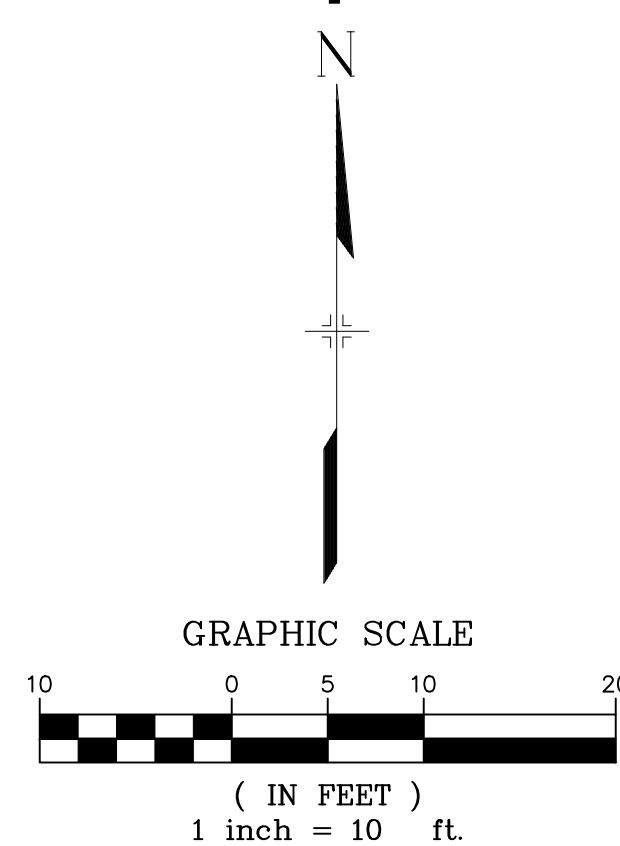
Know what's below.
Call before you dig.



DETAIL D
BUFFALO HORN DRIVE/
SIDEWINDER DRIVE
PED RAMP DETAILS



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



ENGINEERING RECORD DRAWINGS

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Nicole Schanel Date: 09/30/22
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.

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)

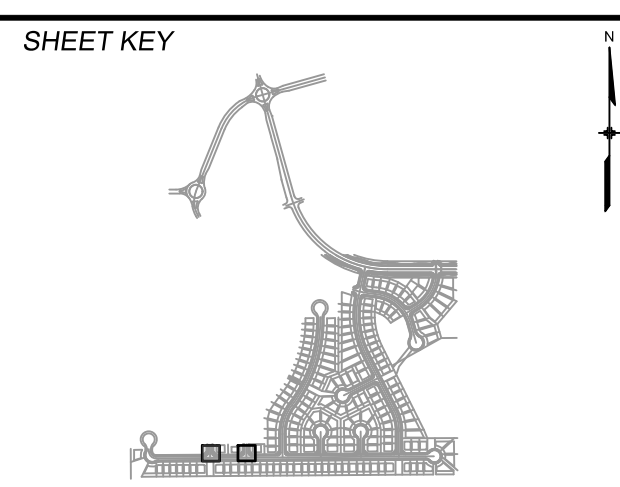
EPC 2/13/2020

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			
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 _____



REVIEW:

STREET DESIGN: _____ DATE: _____

CURB & GUTTER REVIEW _____ DATE: _____

FINAL REVIEW _____ DATE: _____

DRAINAGE DESIGN: _____ DATE: _____

BY: _____

TRAFFIC DESIGN: _____ DATE: _____

BY: _____

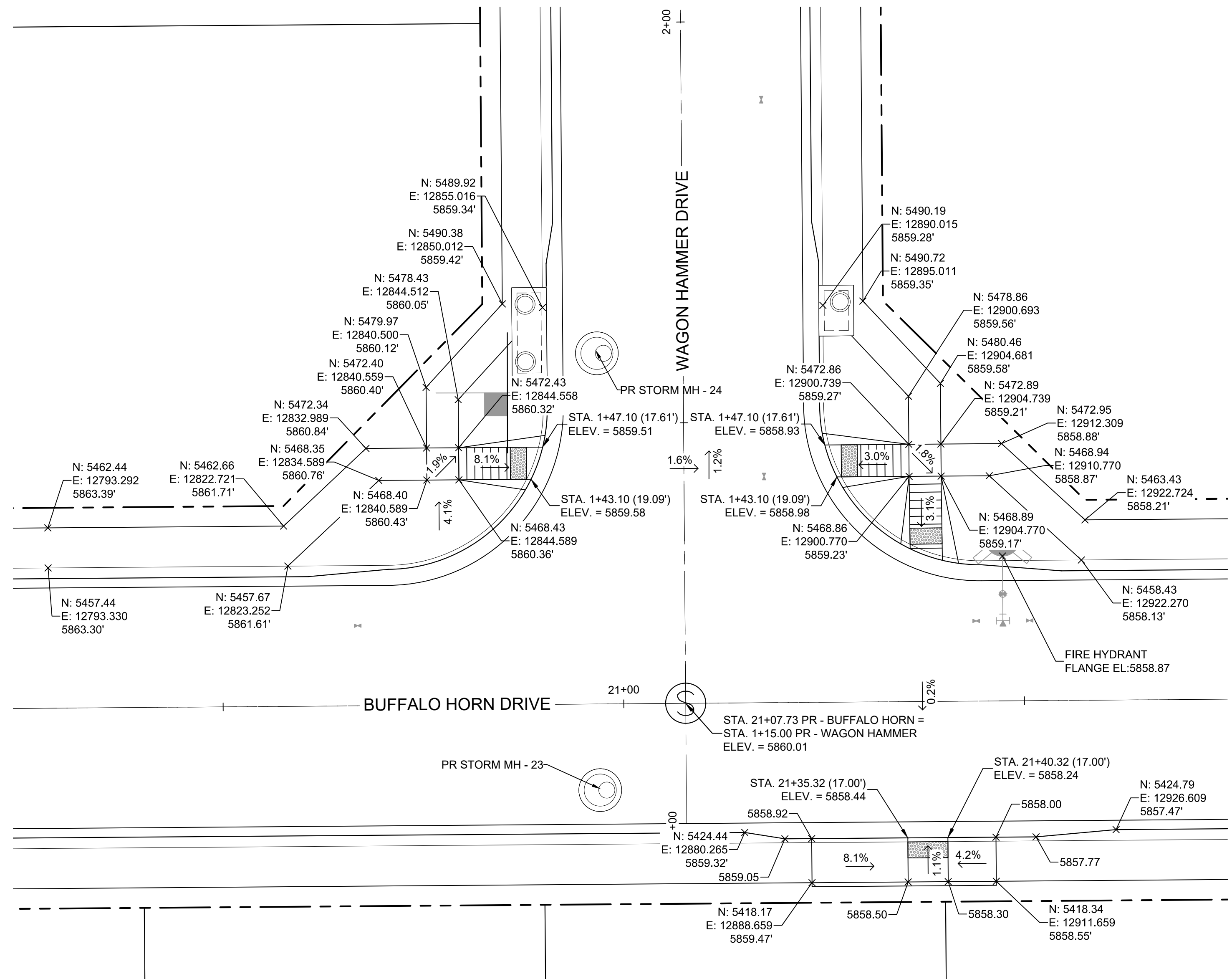
*Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.



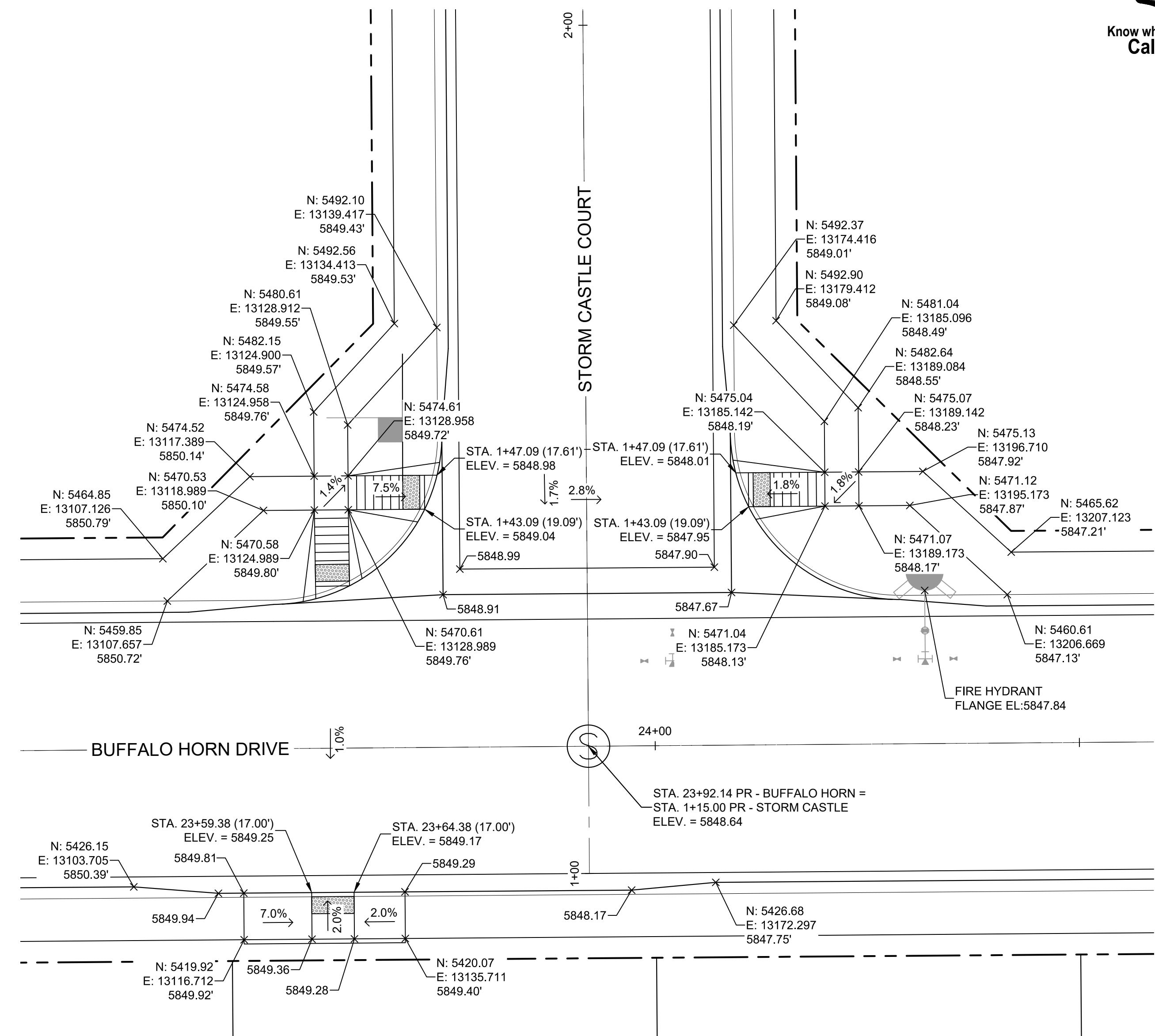
TRAILS AT ASPEN RIDGE			
FILING NO. 1			
ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
INTERSECTION DETAILS			
DESIGNED BY: NMS	SCALE: 1" = 10'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. INT01
DRAWN BY: TJC	HORIZ. N/A	SHEET 38 OF 73	
CHECKED BY: NMS	VERT. N/A		



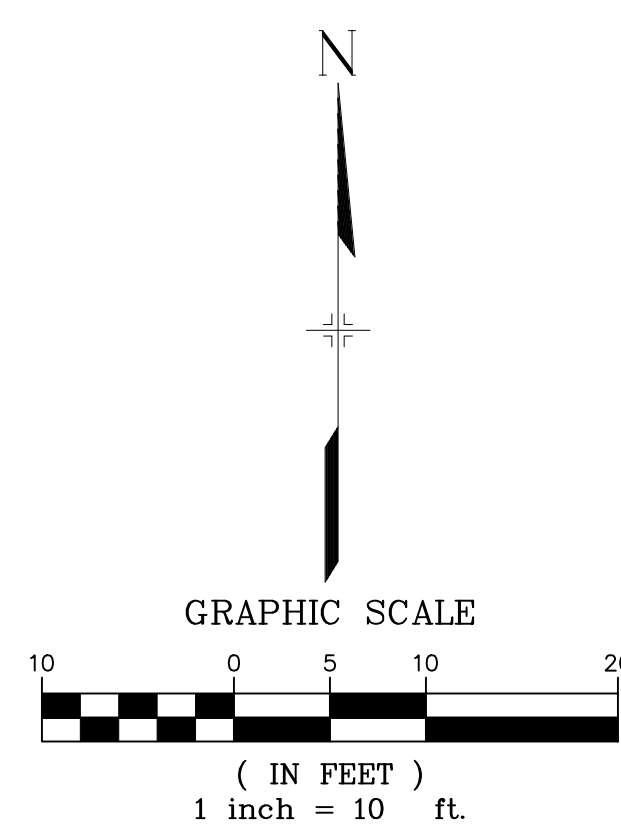
Know what's below.
Call before you dig.



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



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



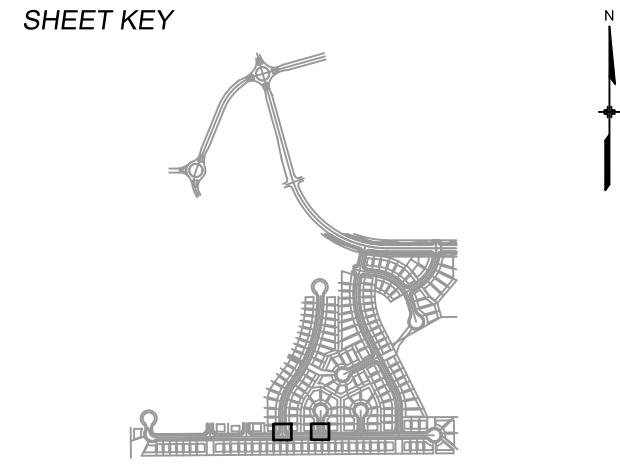
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Nicole Schanel
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
Date: 09/30/22

BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
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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)

EPC 2/13/2020

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			
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



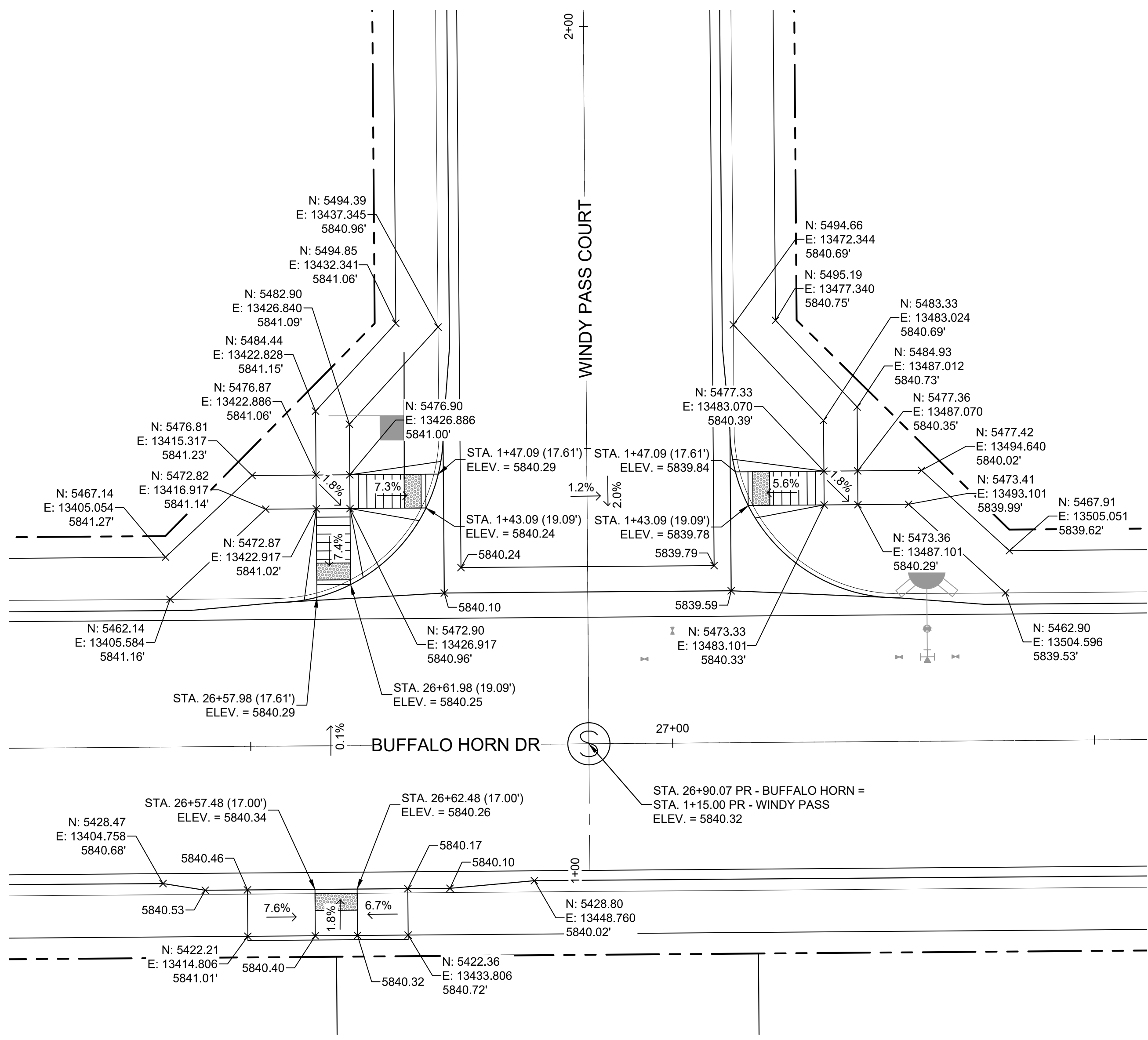
REVIEW:
STREET DESIGN: _____
CURB & GUTTER REVIEW _____ DATE: _____
FINAL REVIEW _____ DATE: _____
DRAINAGE DESIGN: _____ DATE: _____
BY: _____
TRAFFIC DESIGN: _____ DATE: _____
BY: _____
*Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001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



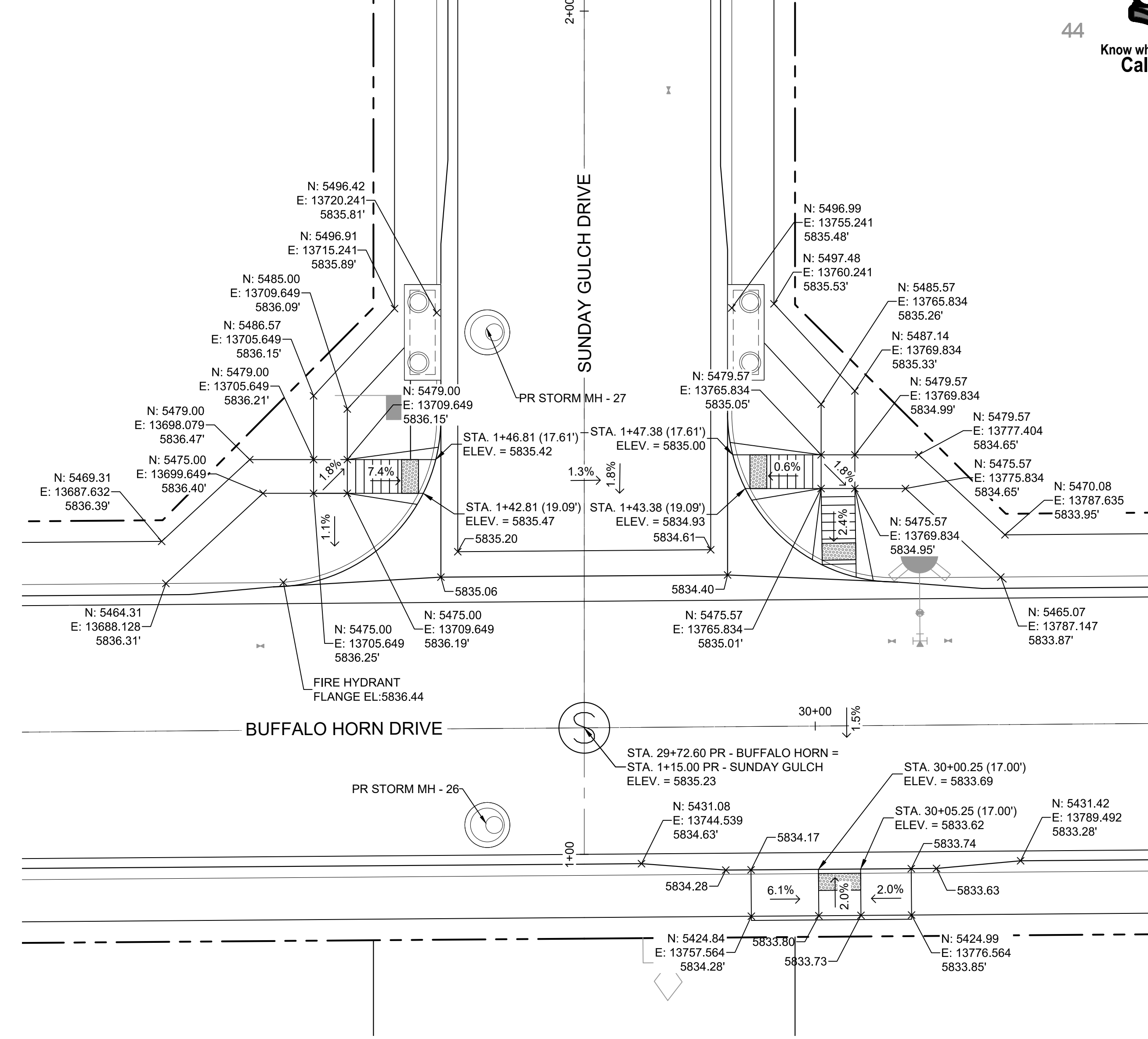
TRAILS AT ASPEN RIDGE			
FILING NO. 1			
ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
INTERSECTION DETAILS			
DESIGNED BY: NMS	SCALE: 1" = 10'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. INT02
CHECKED BY: NMS	HORIZ. N/A	SHEET 39 OF 73	



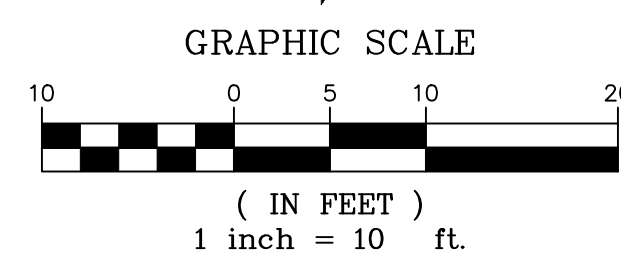
44 Know what's below. Call before you dig.



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



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



ENGINEERING RECORD DRAWINGS
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS. REFER TO ORIGINAL DRAWINGS FOR SIGNATURES AND SEALS.
Nicole Schanel
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
Date: 09/30/22

EPC 2/13/2020

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

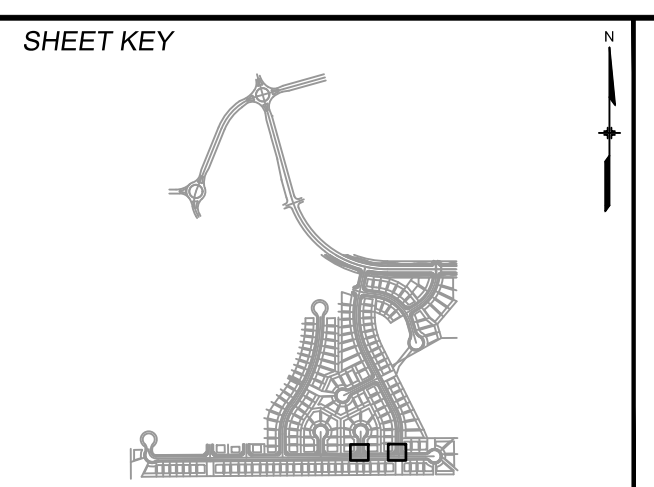
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS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



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

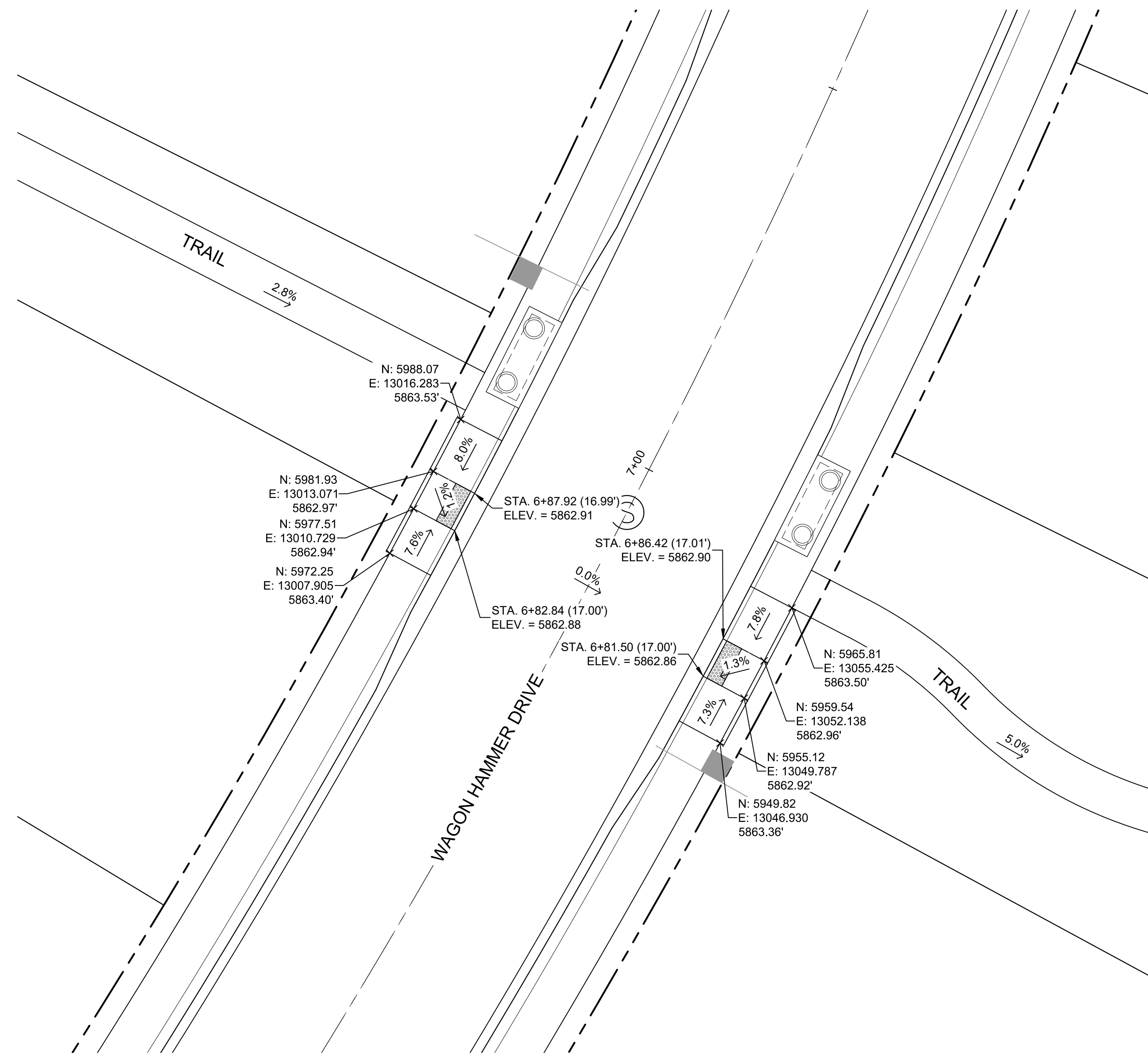
INTERSECTION DETAILS

DESIGNED BY: NMS SCALE: 1" = 10'
DRAWN BY: TJC HORIZ: N/A
CHECKED BY: NMS VERT: N/A

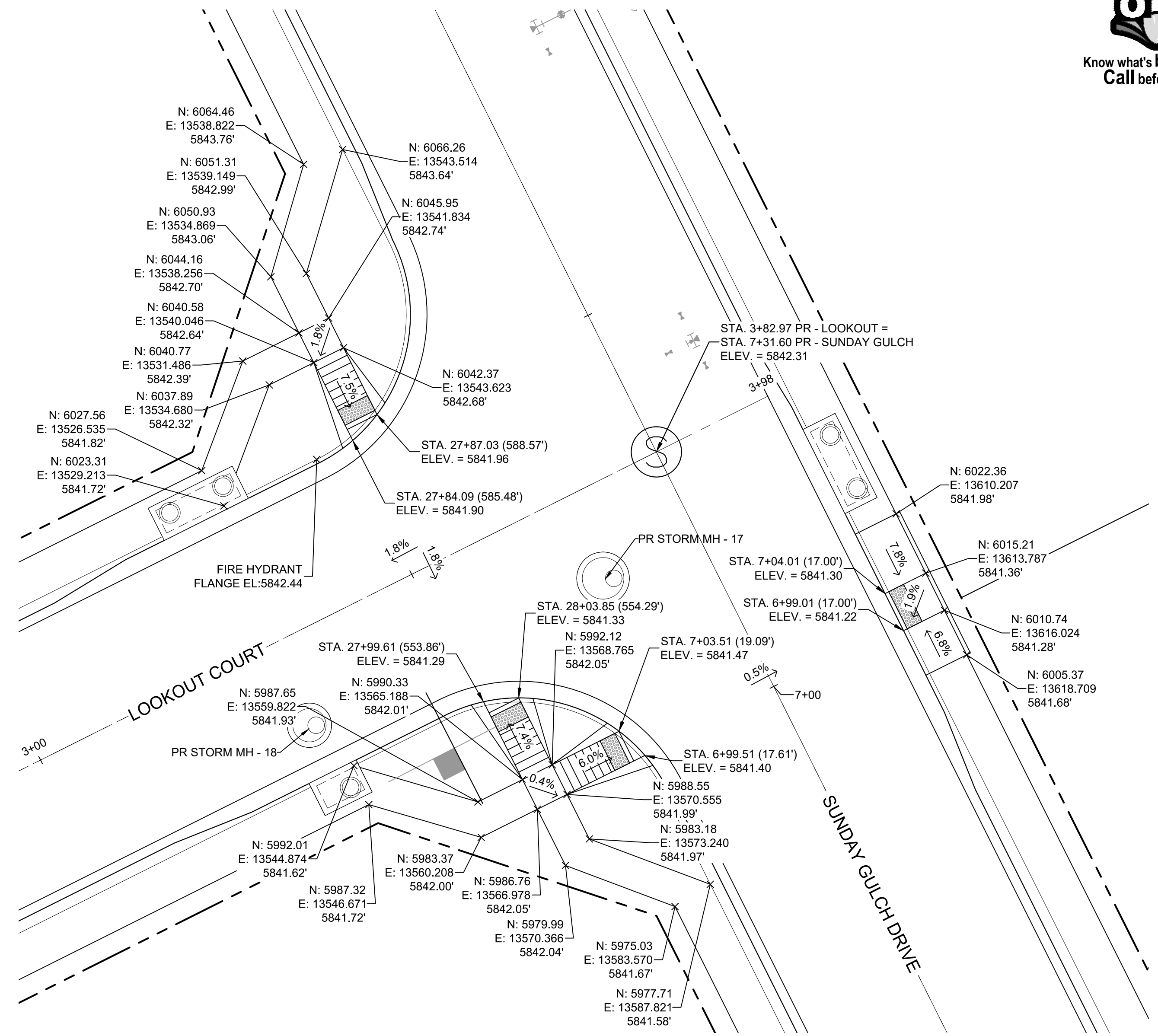
DATE ISSUED: SEPTEMBER, 2019
DRAWING No. 40 OF 73
INT03



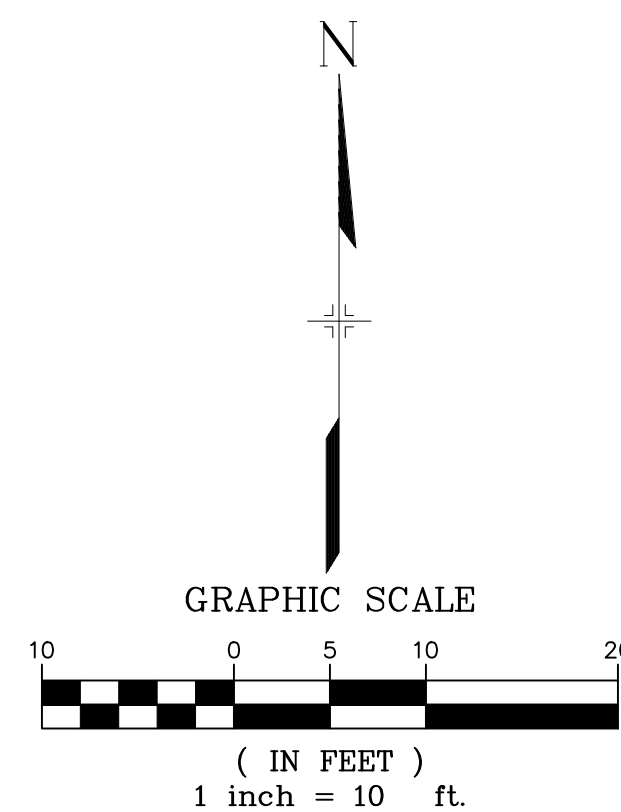
Know what's below.
Call before you dig.



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



DETAIL K
LOOKOUT DRIVE/
SUNDAY GULCH DRIVE
PED RAMP DETAILS



ENGINEERING RECORD DRAWINGS
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Nicole Schanel
Date: 09/30/22
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.

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)

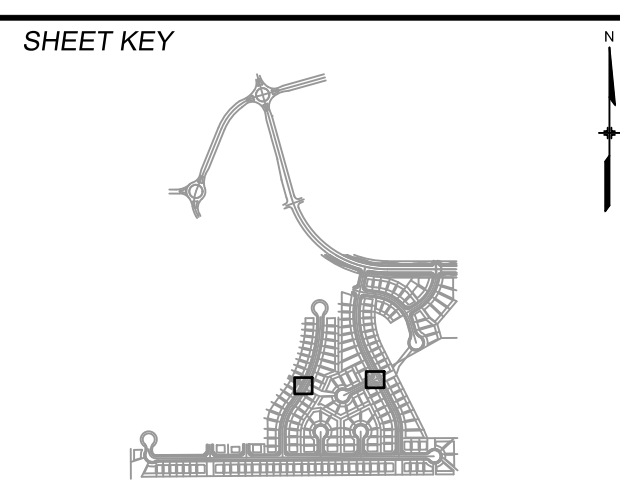
EPC 2/13/2020

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			
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:
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: _____ 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

INTERSECTION DETAILS

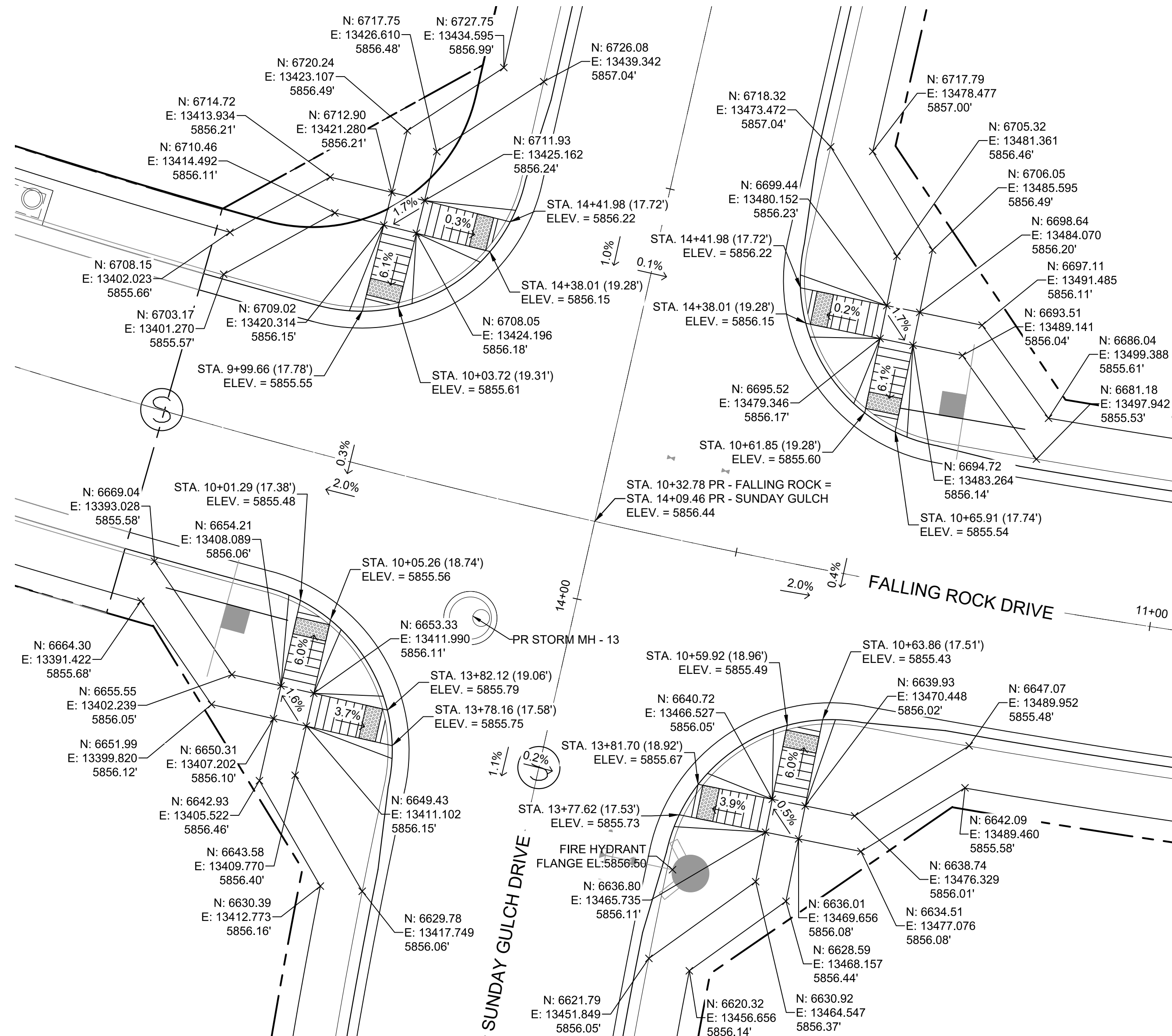
DESIGNED BY: NMS
DRAWN BY: TJC
CHECKED BY: NMS

SCALE: 1" = 10'
DATE ISSUED: SEPTEMBER, 2019
SHEET: 41 OF 73

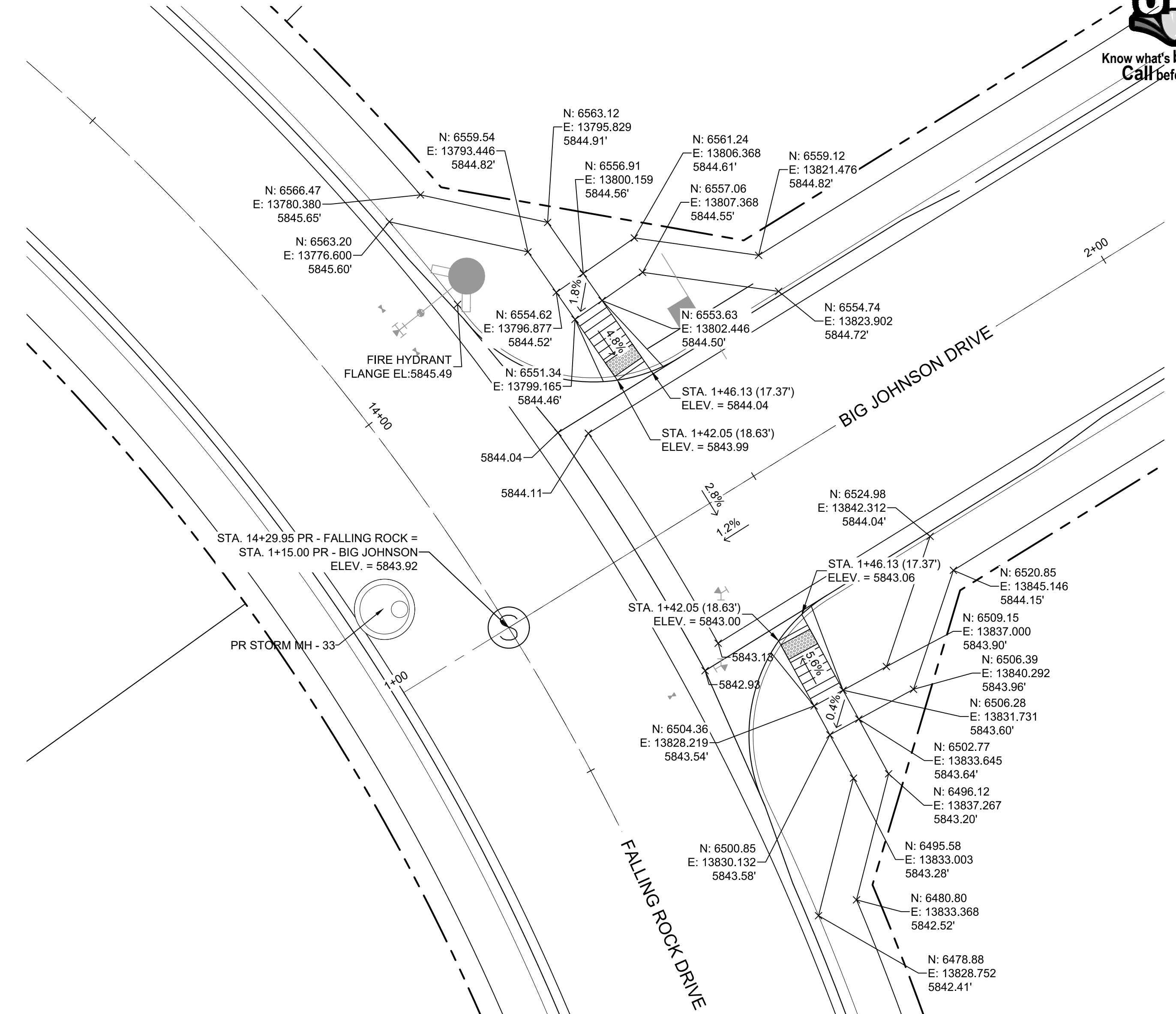
DRAWING No: INT04



Know what's below.
Call before you dig.



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

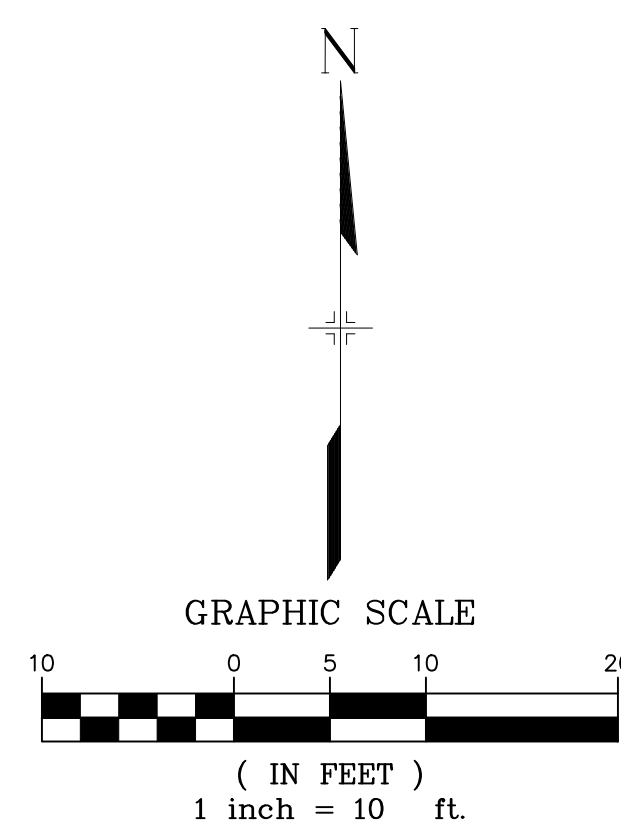


DETAIL M
FALLING ROCK DRIVE/
BIG JOHNSON DRIVE
PED RAMP DETAILS

ENGINEERING RECORD DRAWINGS

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Nicole Schanel
Date: 09/30/22
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.



EPC 2/13/2020

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/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			
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'

LOCATION: ATTACHED DETACHED

DESIGN SPEED: 25 MPH

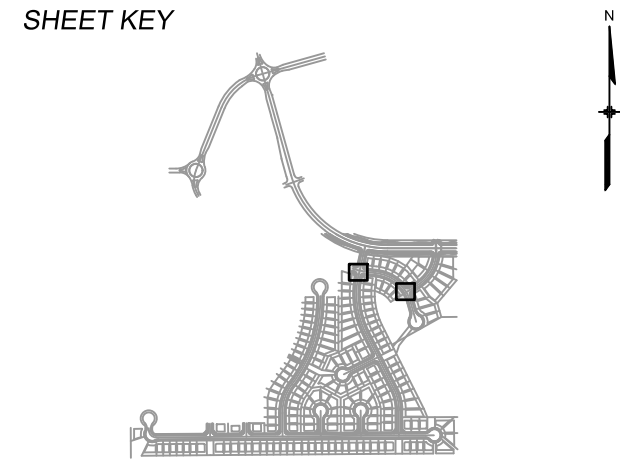
CURB TYPE A B C D E

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

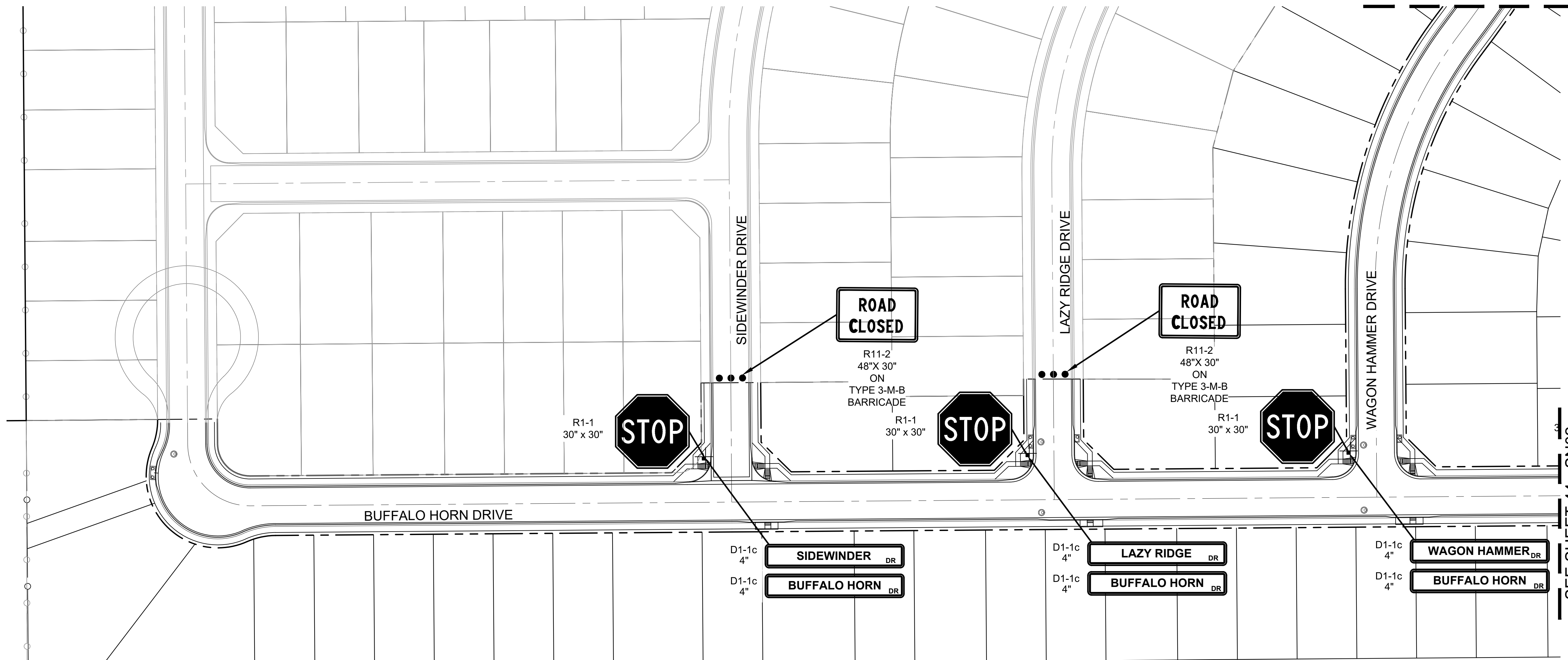
INTERSECTION DETAILS

DESIGNED BY: NMS	SCALE: 1" = 10'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. INT05
CHECKED BY: NMS	HORIZ. N/A	SHEET 42 OF 73	

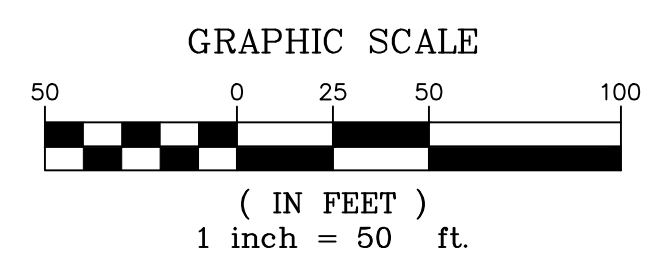


Know what's below.
Call before you dig.

SEE SHEET 44 - SN02



ENGINEERING RECORD DRAWINGS
 THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS. REFER TO ORIGINAL DRAWINGS FOR SIGNATURES AND SEALS.
 Date: 09/30/22
 Nicole Schanel, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.



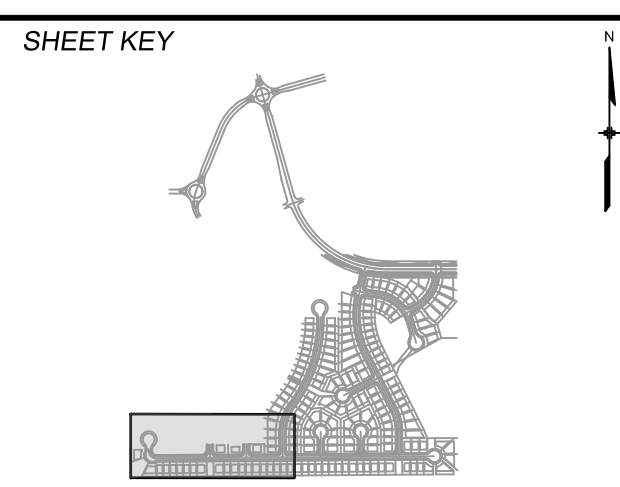
SEE SHEET 44 - SN02

EPC 2/13/2020

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 _____



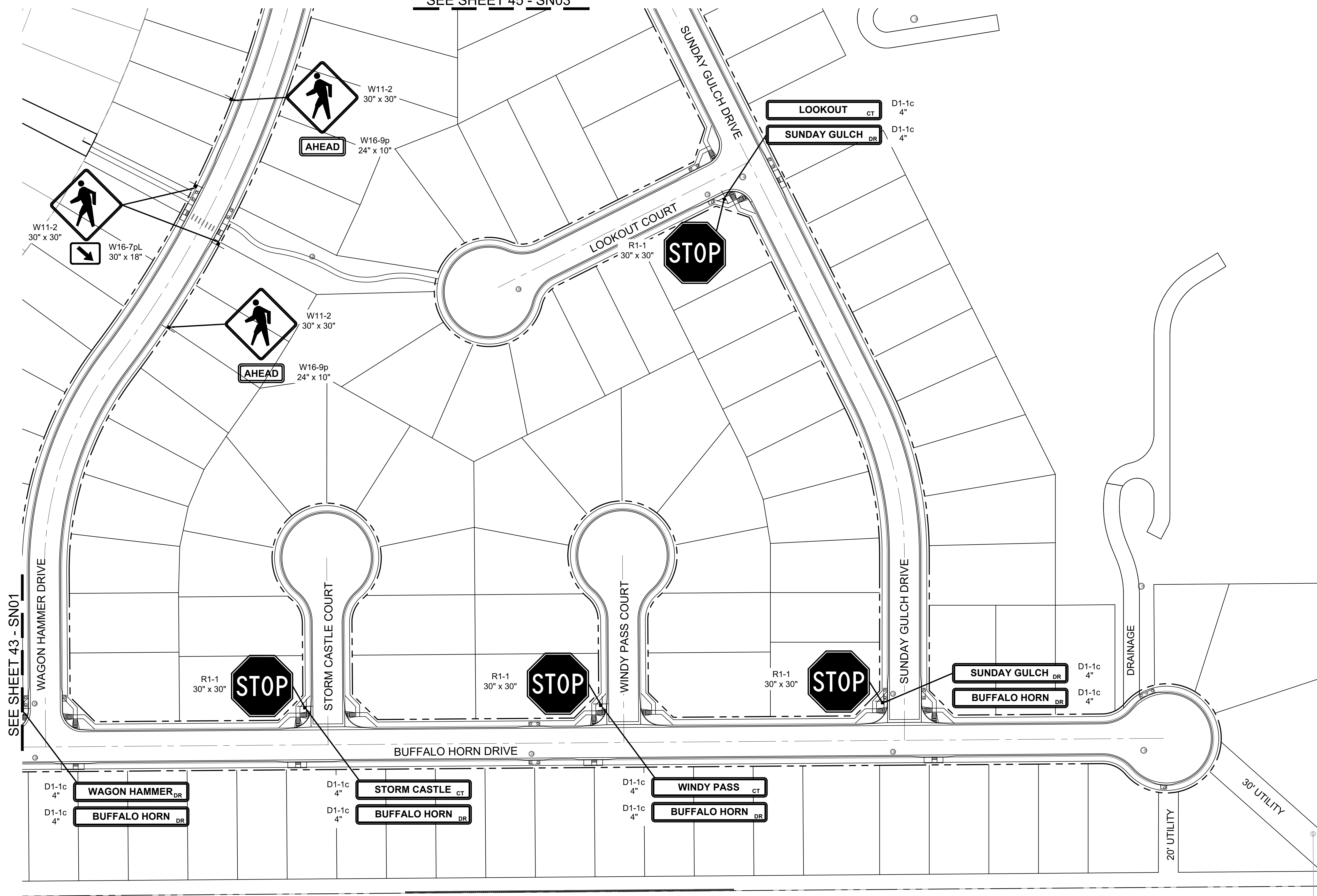
REVIEW:
 STREET DESIGN:
 CURB & GUTTER REVIEW _____ DATE: _____
 FINAL REVIEW _____ DATE: _____
 DRAINAGE DESIGN:
 BY: _____ DATE: _____
 TRAFFIC DESIGN:
 BY: _____ DATE: _____
 *Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.



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

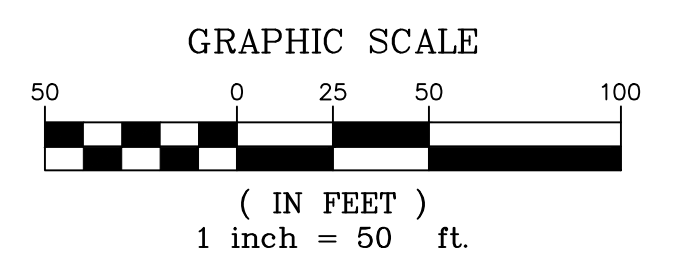


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ENGINEERING RECORD DRAWINGS
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Nicole Schanel Date: 09/30/22
 NICOLE SCHANEL, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.



EPC 2/13/2020

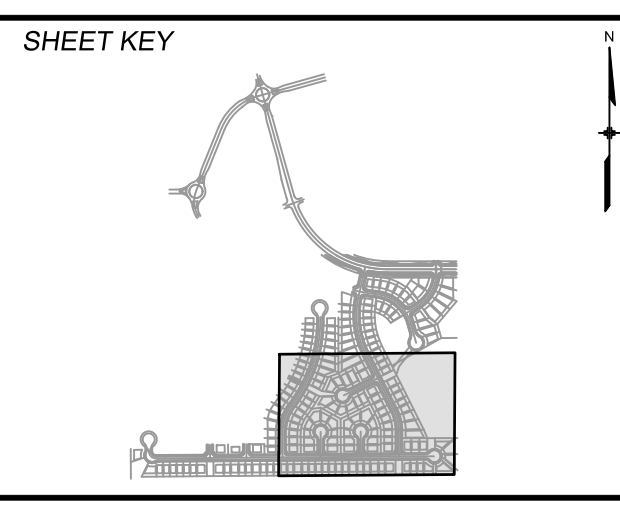
BENCHMARK
 COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
 A BERTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD,
 ELEVATION - 5897.89' U.S. SURVEY FT

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

DESIGN DATA:
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 LOCATION: ATTACHED DETACHED
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 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.



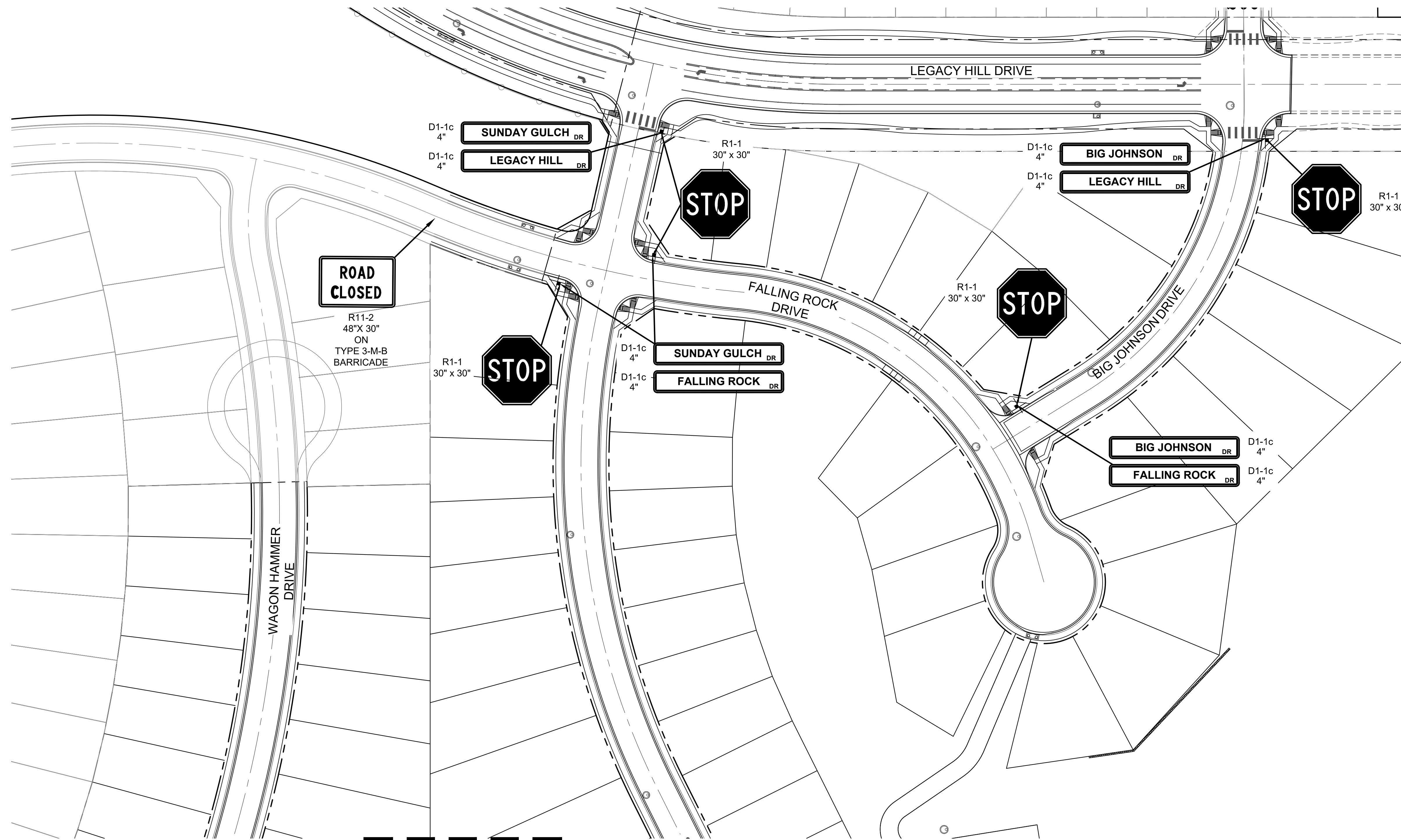
TRAILS AT ASPEN RIDGE
 FILING NO. 1
 ROADWAY & STORMDRAIN IMPROVEMENT PLANS

FILING 1 SIGNAGE PLAN

DESIGNED BY: NMS SCALE: 1" = 50'
 DRAWN BY: TJC DATE ISSUED: SEPTEMBER, 2019
 CHECKED BY: NMS VER. N/A SHEET 44 OF 73
 DRAWING No. SN02

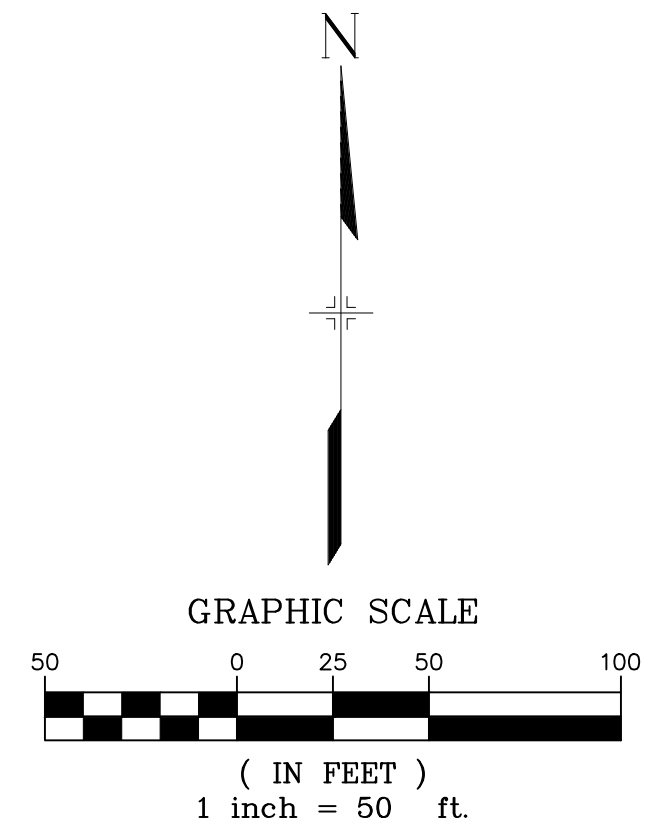


Know what's below.
Call before you dig.



ROAD CLOSED
R11-2
48" x 30"
ON
TYPE 3-M-B
BARRICADE

SEE SHEET 44 - SN02



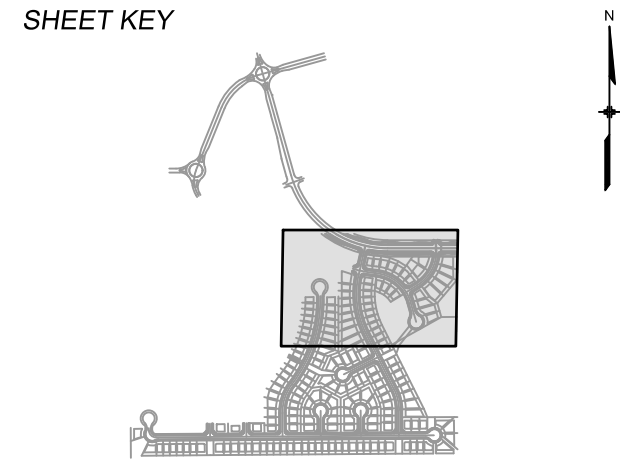
EPC 2/13/2020

ENGINEERING RECORD DRAWINGS
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Nicole Schanel Date: 09/30/22
NICOLE SCHANEL, PE #S2434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.

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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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'
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.

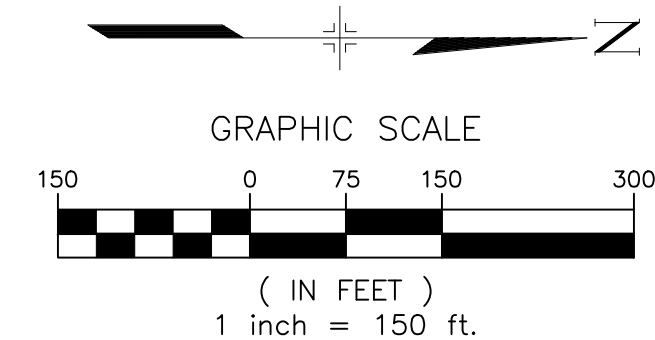


TRAILS AT ASPEN RIDGE
FILING NO. 1
ROADWAY & STORMDRAIN IMPROVEMENT PLANS
FILING 1 SIGNAGE PLAN

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		



Know what's below.
Call before you dig.



EPC 2/13/2020

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)

PREPARED BY:
 Matrix DESIGN GROUP

SEAL

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

TRAILS AT ASPEN RIDGE

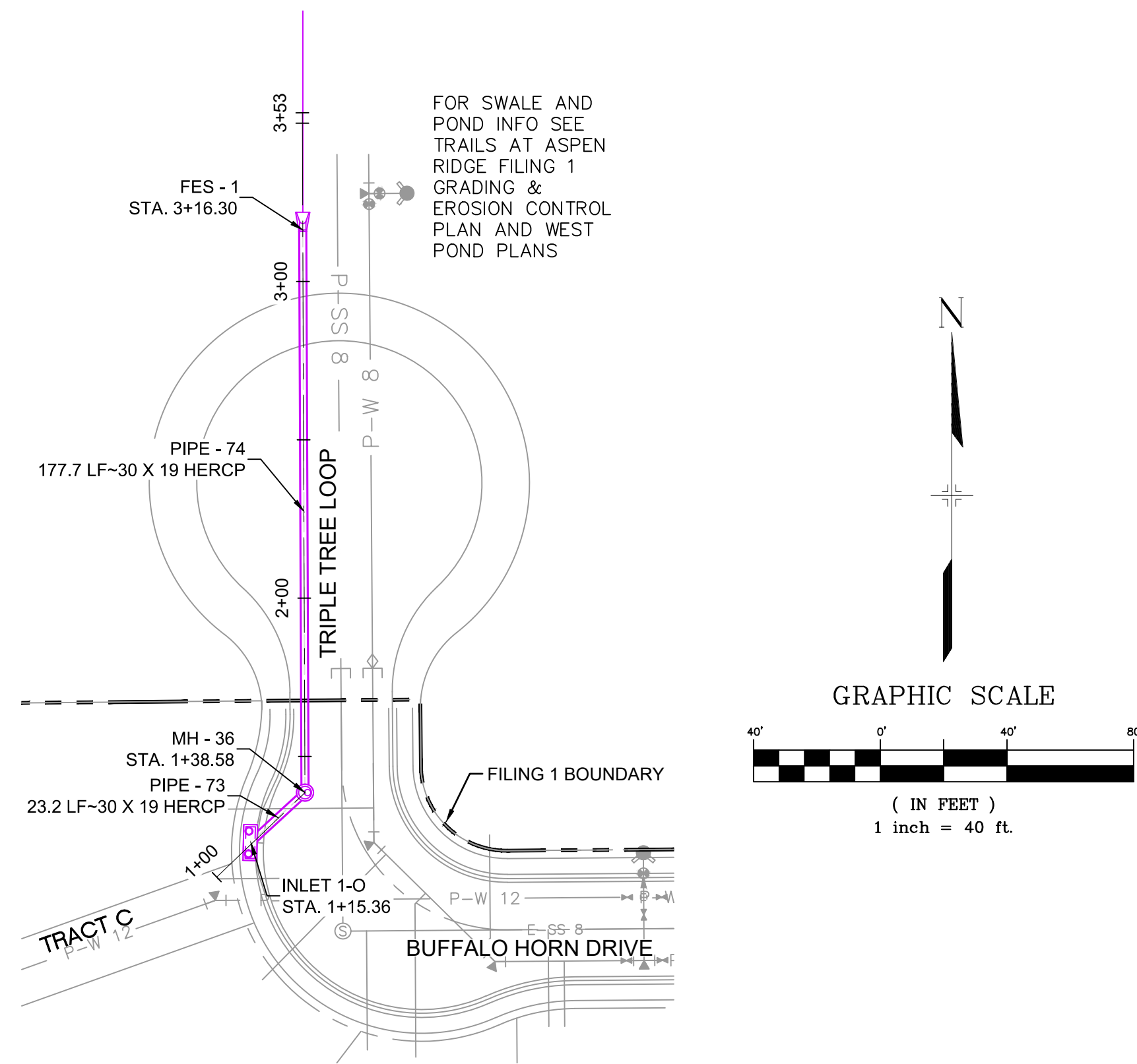
FILING NO. 1
 ROADWAY & STORM IMPROVEMENT PLANS

STORM SHEET KEY

DESIGNED BY: KMZ	SCALE: HORIZ 1" = 150'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SDX1
CHECKED BY: NMS	VERT. N.A.	SHEET 46 OF 73	



Know what's below.
Call before you dig.



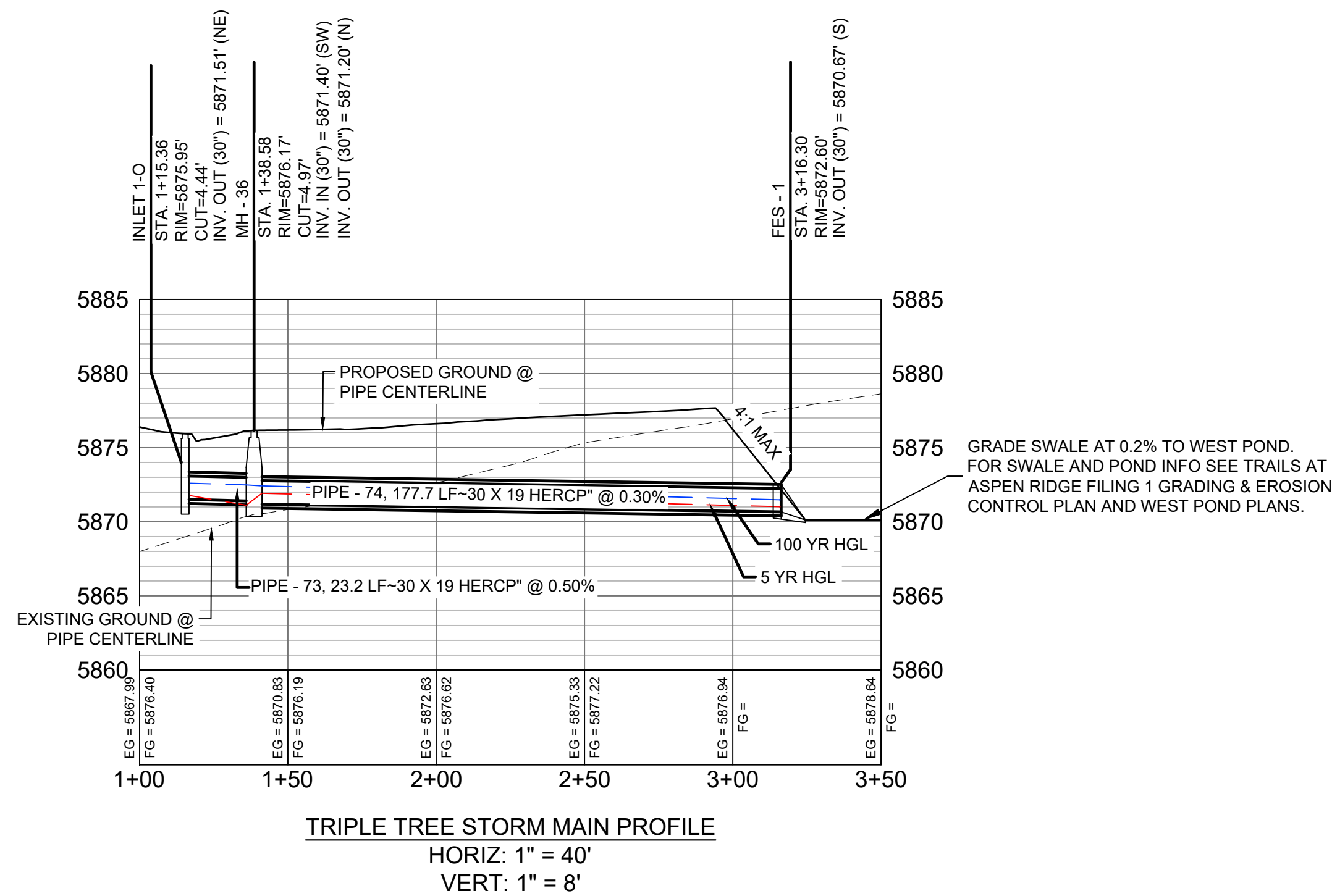
ENGINEERING RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS. REFER TO ORIGINAL DRAWINGS FOR SIGNATURES AND SEALS.

Nicole Schanel Date: 09/30/22
 NICOLE SCHANEL, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.

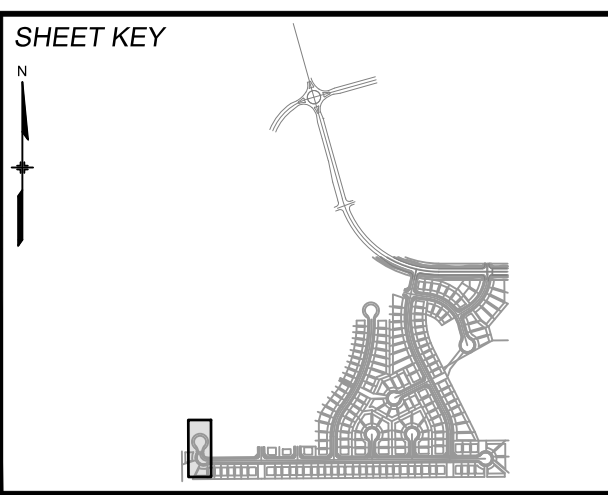
PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 73	N47°25'33"E	23.2'	0.50%	30" RCP
PIPE - 74	N00°13'35"W	177.7'	0.30%	30" RCP

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.

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 11:35:22 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)



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

TRAILS AT ASPEN RIDGE

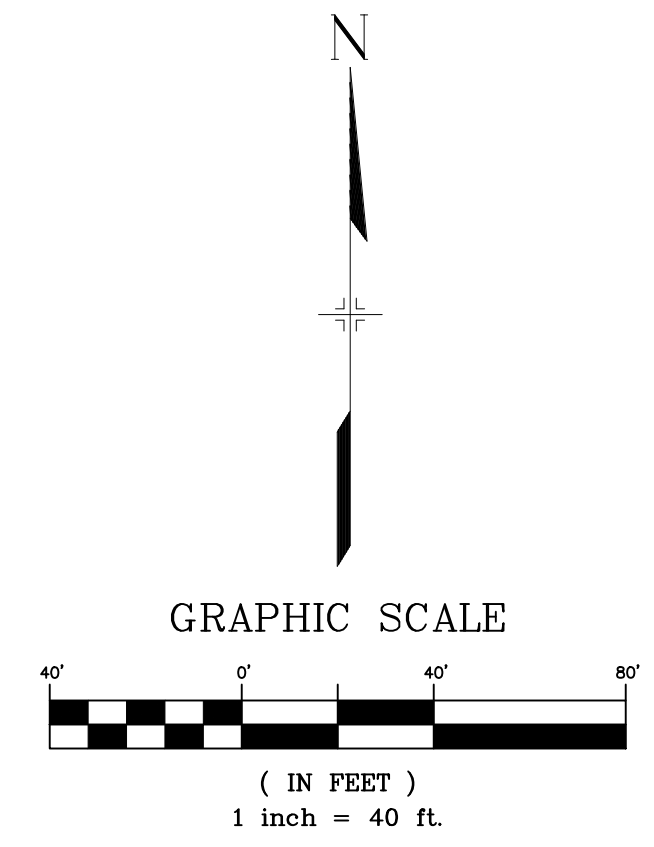
FILING NO. 1
 ROADWAY & STORM IMPROVEMENT PLANS

STORM DRAIN PLAN & PROFILE
 EPC 2/13/2020

DESIGNED BY: KMB	SCALE: 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SD01
DRAWN BY: LCB	HORIZ. 1" = 40'	SHEET 47 OF 73	
CHECKED BY: NMS	VERT. 1" = 8'		



Know what's below.
Call before you dig.

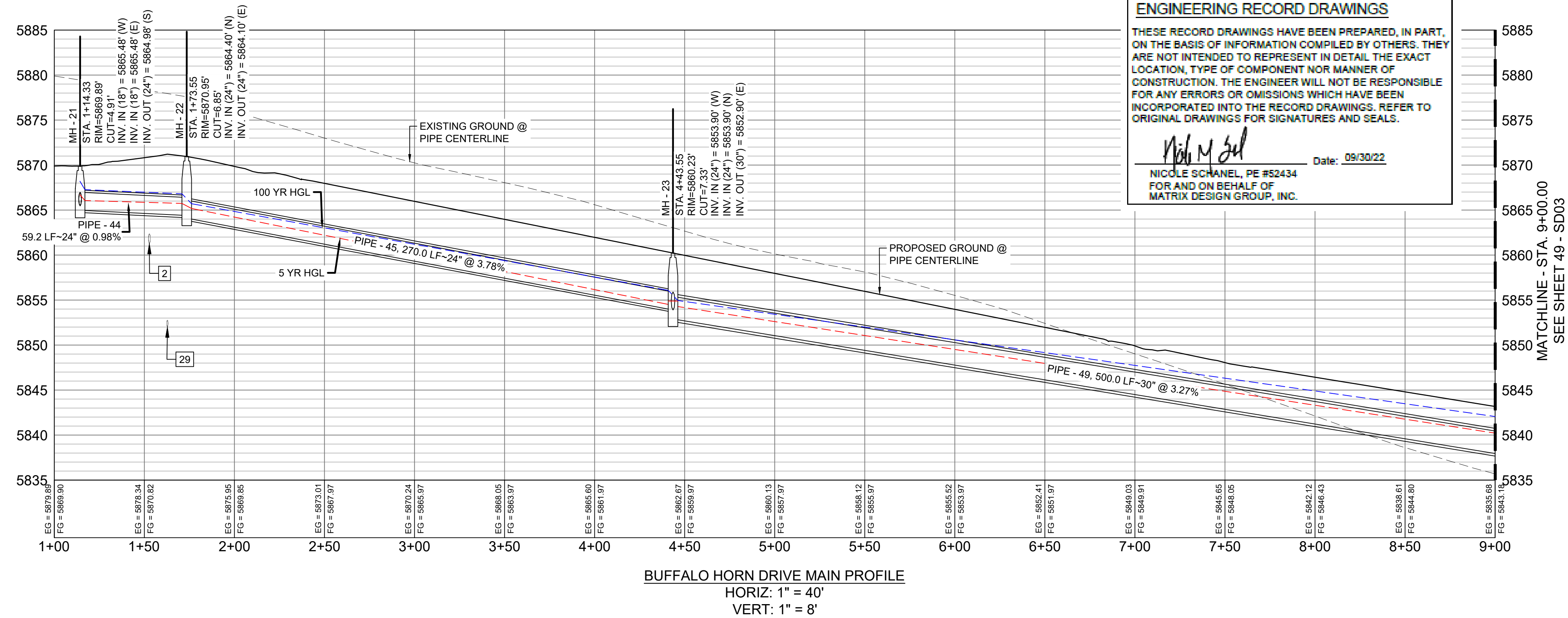
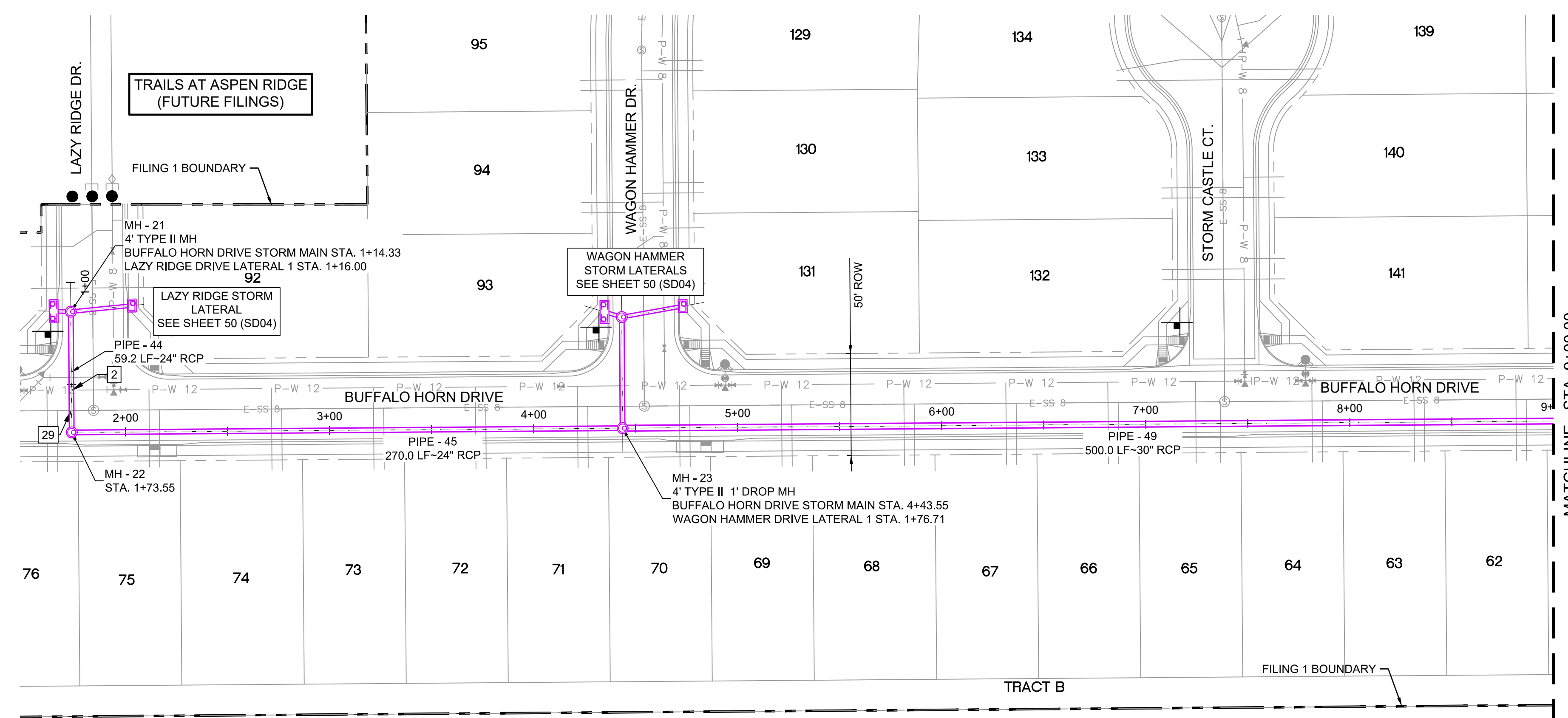


UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
2	N 5,448.39 E 12,592.08	12" PVC WATER 5862.36	24" RCP STORM 5864.36	2.00'
29	N 5,438.39 E 12,592.15	8" PVC SAN 5852.77	24" RCP STORM 5864.27	11.50'

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

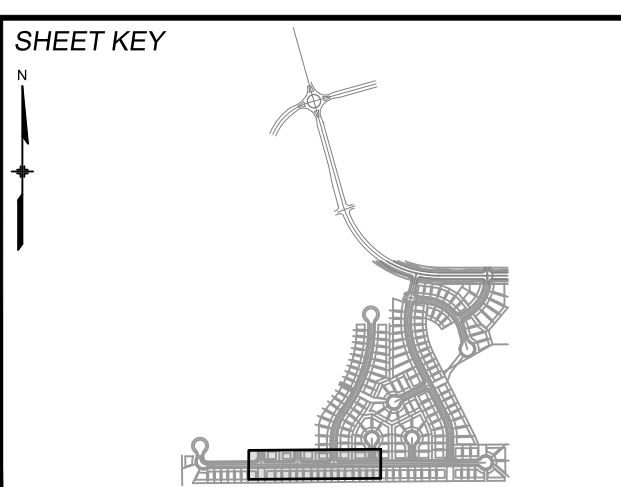
STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
MH - 21	4' TYPE II MH	RIM = 5869.89 PIPE - 42 INV IN (18") = 5865.48 PIPE - 43 INV IN (18") = 5865.48 PIPE - 44 INV OUT (24") = 5864.98	N: 5486.86 E: 12591.78
MH - 22	4' TYPE II MH	RIM = 5870.95 PIPE - 44 INV IN (24") = 5864.40 PIPE - 45 INV OUT (24") = 5864.10	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

ENGINEERING RECORD DRAWINGS
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 Nicole Schanel, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.
 Date: 09/30/22



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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\SD01-05.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 11:35:38 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.
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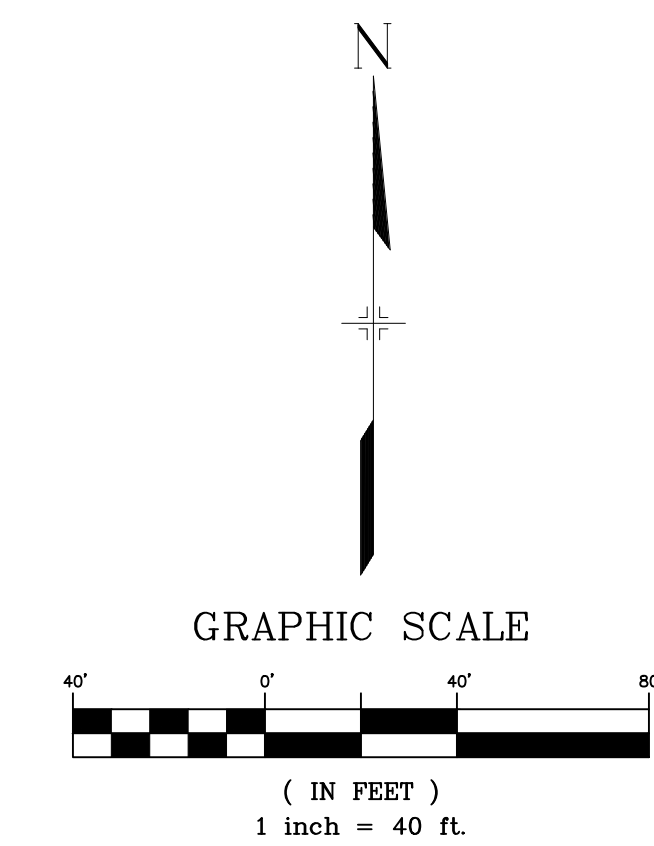
TRAILS AT ASPEN RIDGE
 FILING NO. 1
 ROADWAY & STORM IMPROVEMENT PLANS

STORM DRAIN PLAN & PROFILE
 EPC 2/13/2020

DESIGNED BY: KMZ	SCALE: 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SD02
DRAWN BY: LCB	HORIZ. 1" = 40'	SHEET 48 OF 73	
CHECKED BY: NMS	VERT. 1" = 8'		



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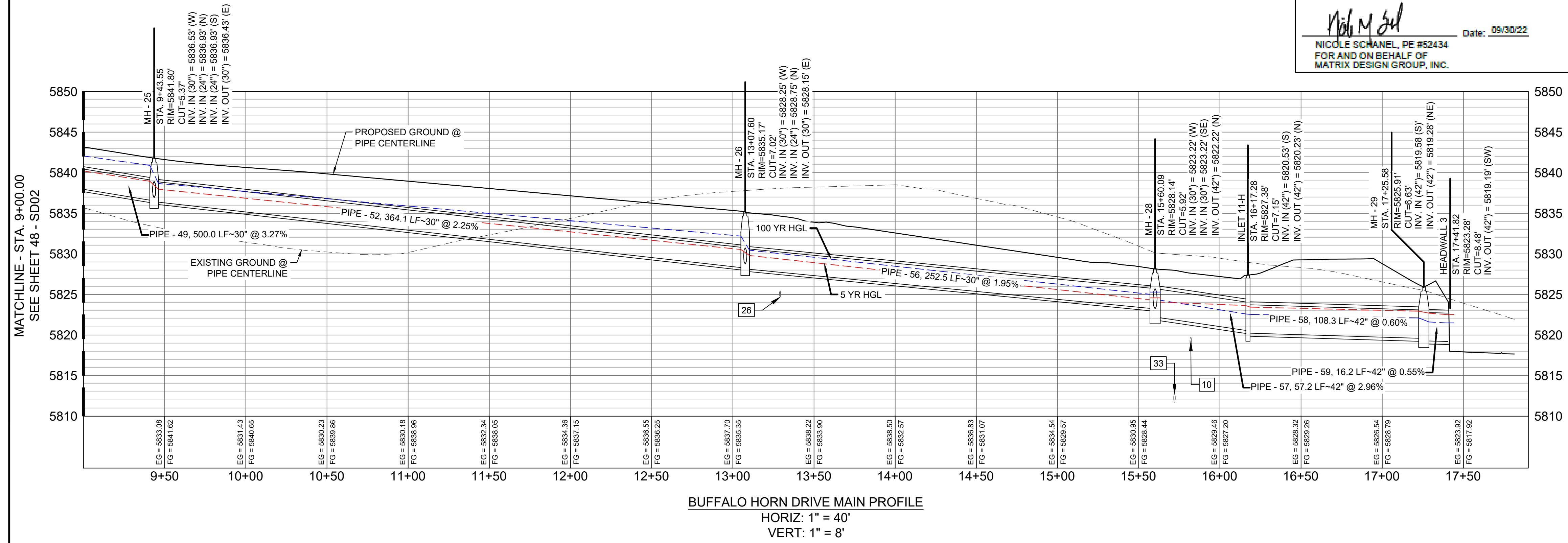
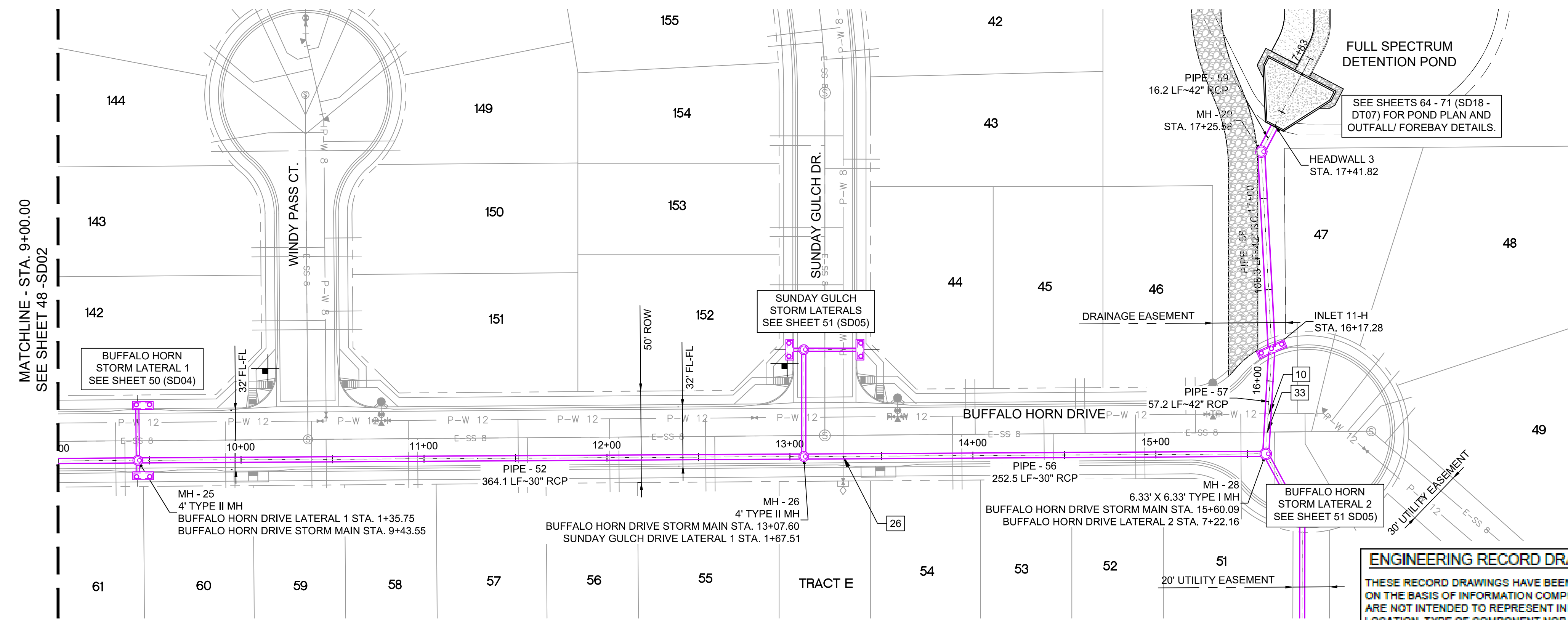
UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
10	N 5,459.05 E 13,980.01	12" PVC WATER 5819.73	36" RCP STORM 5821.20	1.47'
26	N 5,435.79 E 13,747.75	8" PVC WATER 5825.45	30" RCP STORM 5827.45	2.00'
33	N 5,449.06 E 13,979.41	8" PVC SAN 5812.75	36" RCP STORM 5821.31	8.56'

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

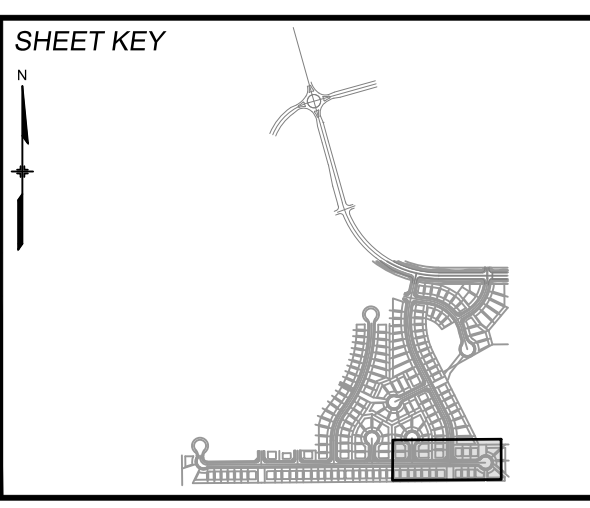
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 Nicole Schanel, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.
 Date: 09/30/22

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

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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\SD01-05.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 11:35:57 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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TRAILS AT ASPEN RIDGE

FILING NO. 1
 ROADWAY & STORM IMPROVEMENT PLANS

STORM DRAIN PLAN & PROFILE

EPC 2/13/2020

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			

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

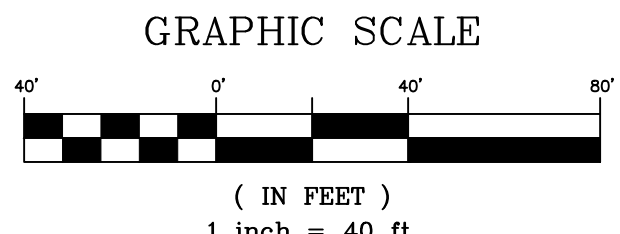
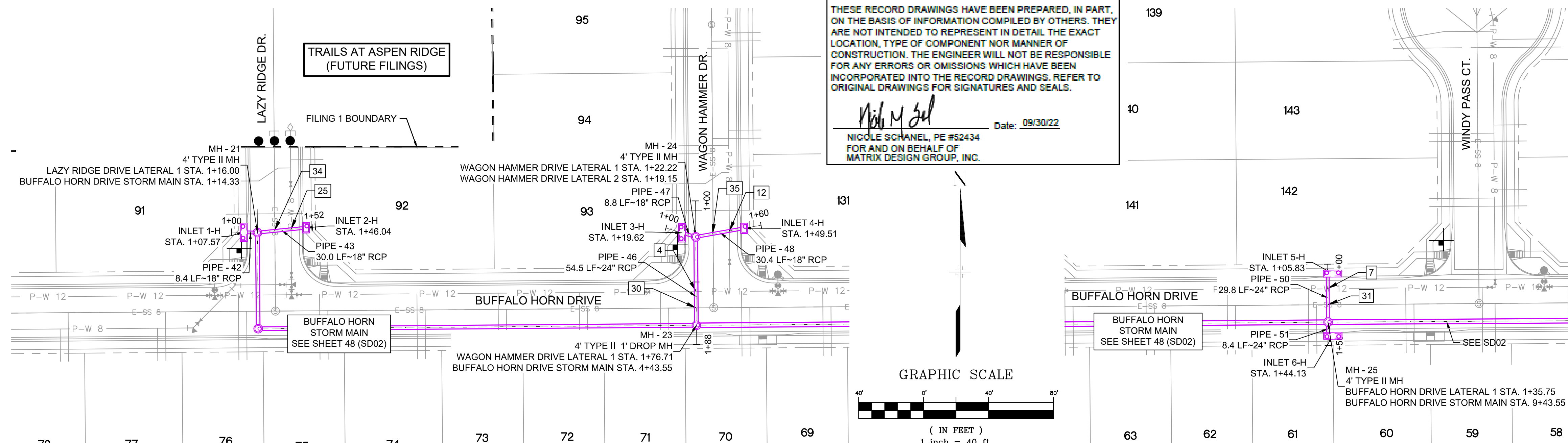


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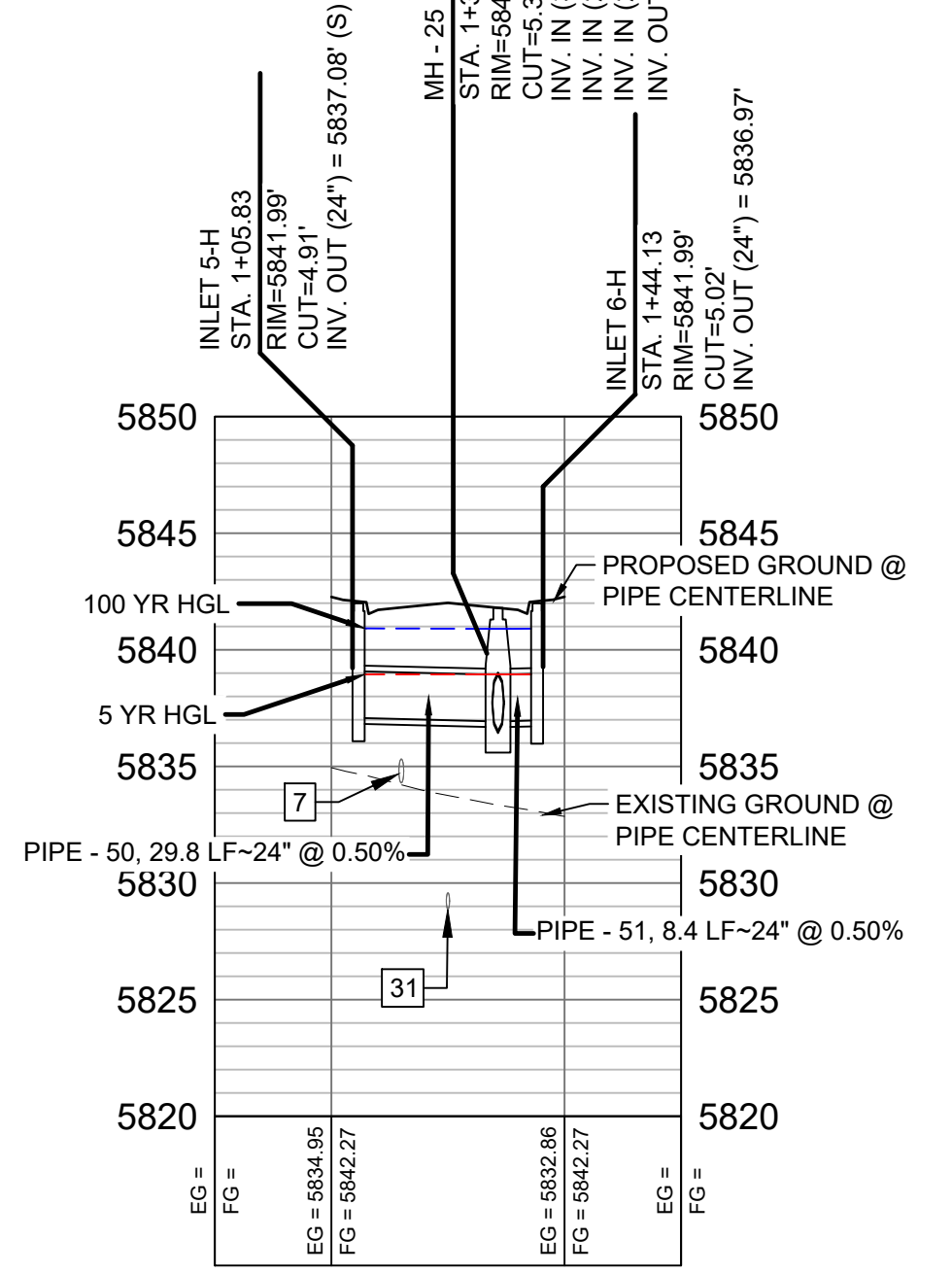
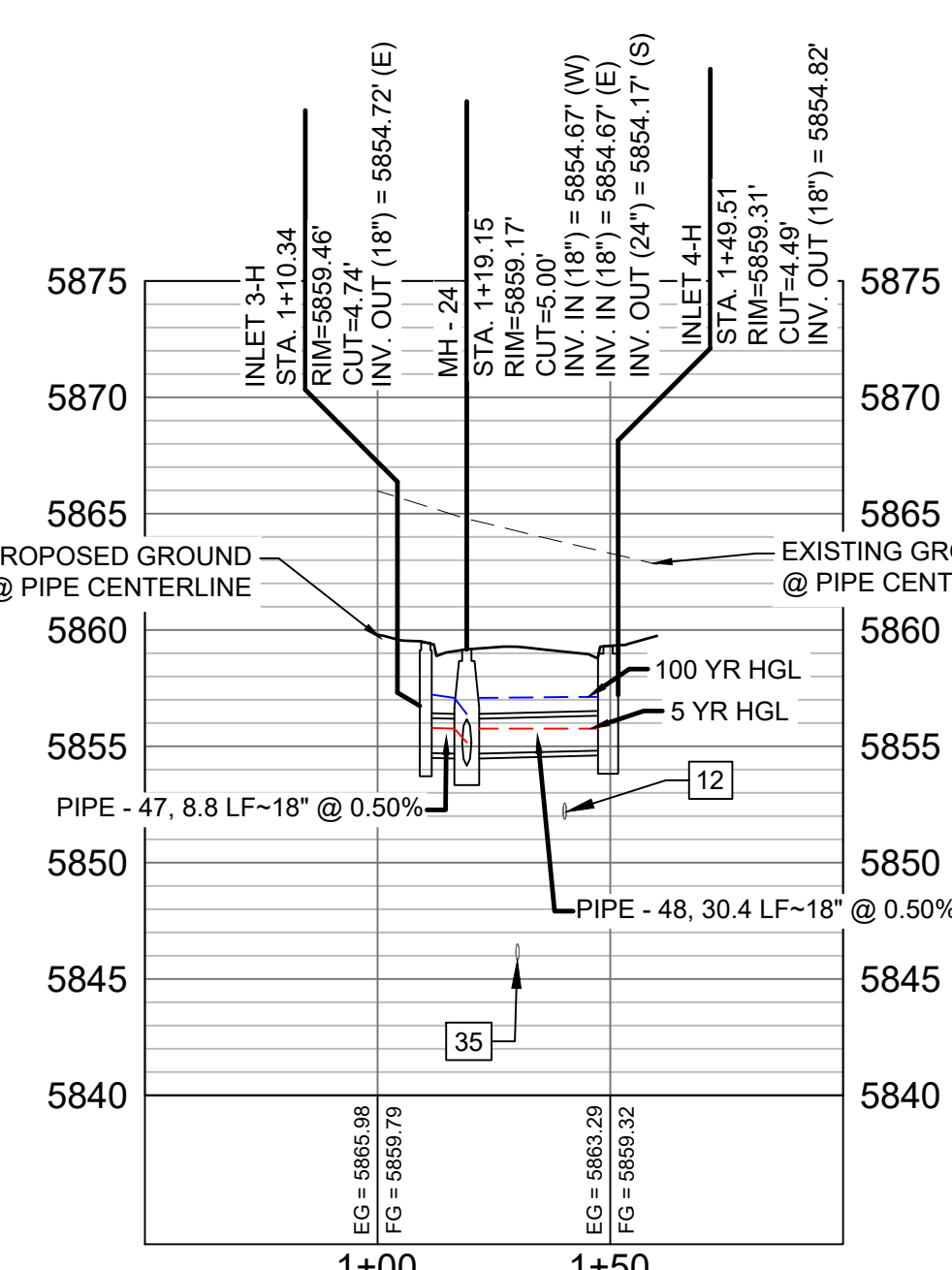
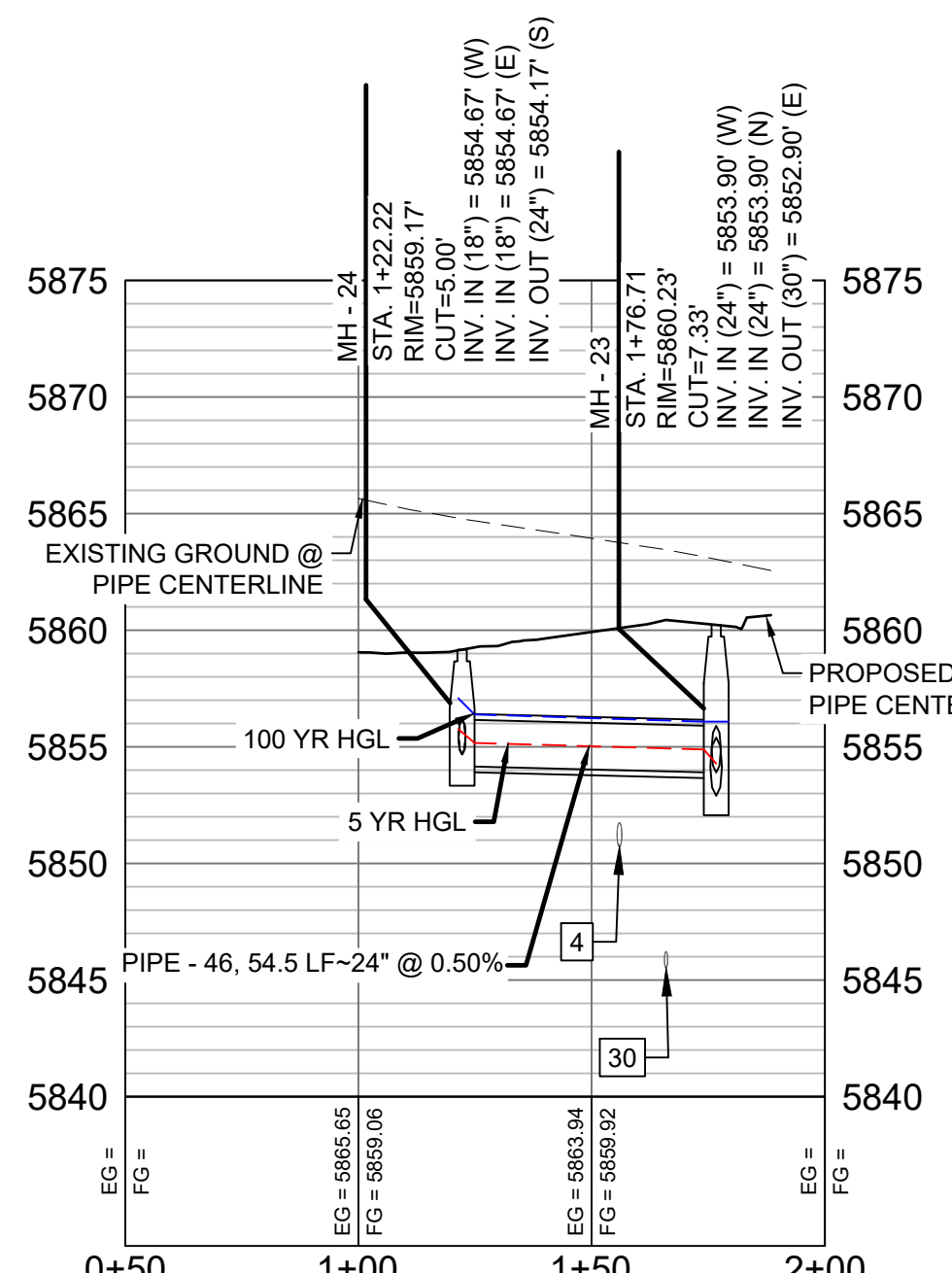
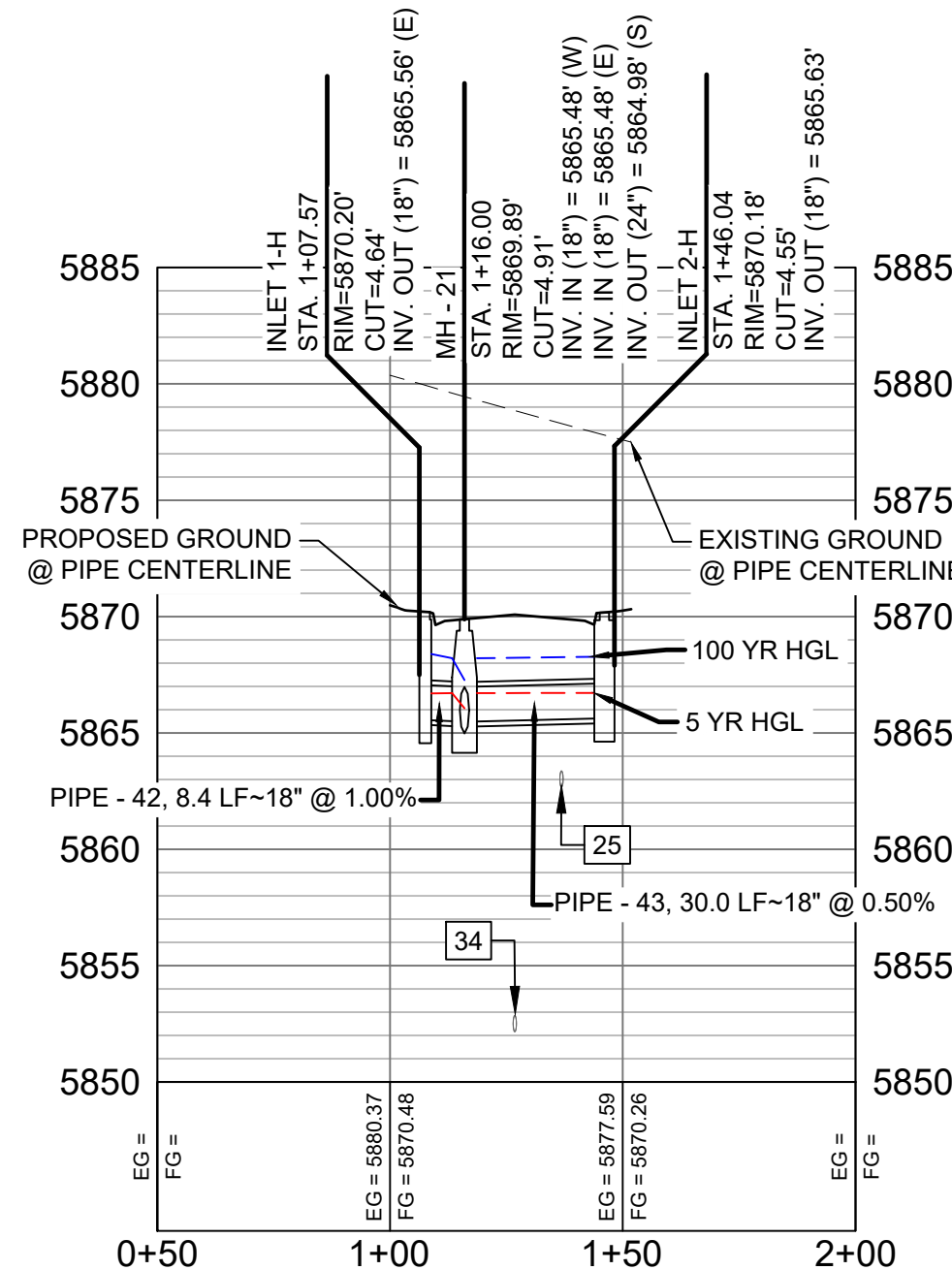
Nicole M. Schanel
 Nicole M. Schanel, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.
 Date: 09/30/22

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'



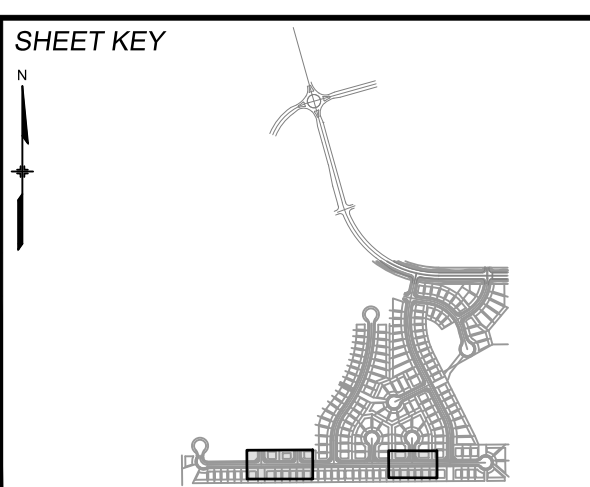
PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 42	S88°38'36"E	8.4'	1.00%	18" RCP
PIPE - 50	N00°26'25"W	29.8'	0.50%	24" RCP
PIPE - 51	S00°30'03"W	8.4'	0.50%	24" RCP
PIPE - 46	N00°26'25"W	54.5'	0.50%	24" RCP
PIPE - 47	N73°17'59"W	8.8'	0.50%	18" RCP
PIPE - 48	N79°52'38"E	30.4'	0.50%	18" RCP
PIPE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



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 - 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.

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 11:36:35 AM			
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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)



TRAILS AT ASPEN RIDGE

FILING NO. 1
 ROADWAY & STORM IMPROVEMENT PLANS

STORM DRAIN PLAN & PROFILE
 EPC 2/13/2020

DESIGNED BY: KMZ
 DRAWN BY: LCB
 CHECKED BY: NMS

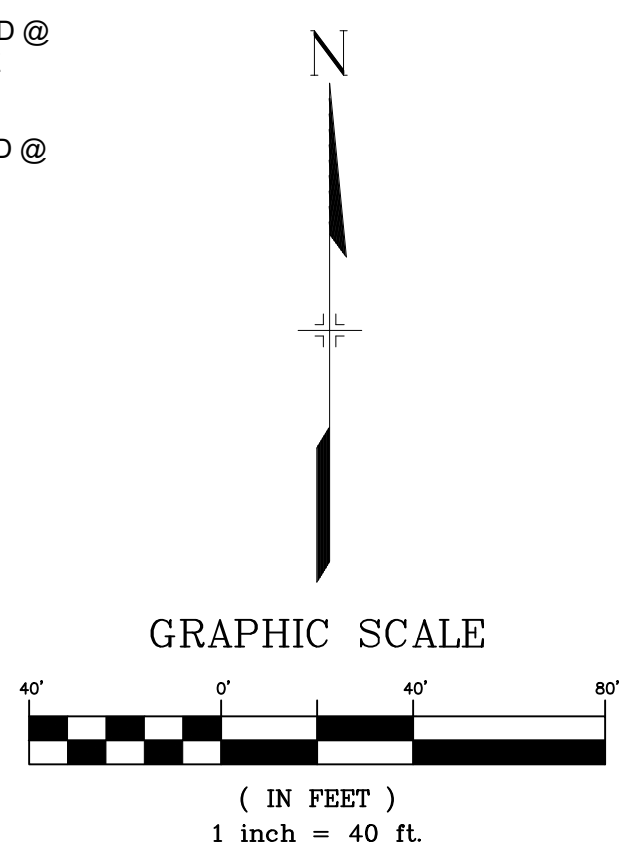
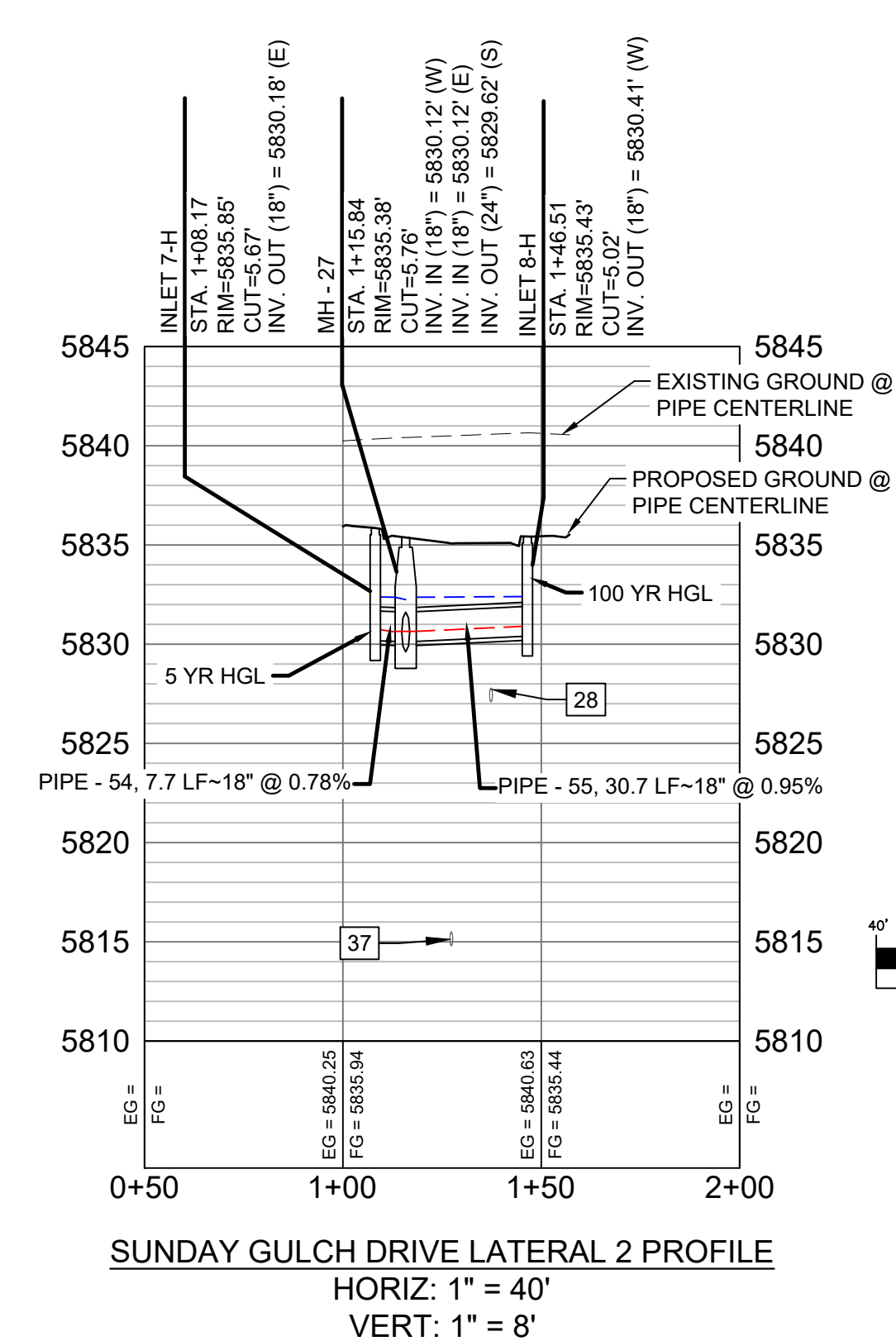
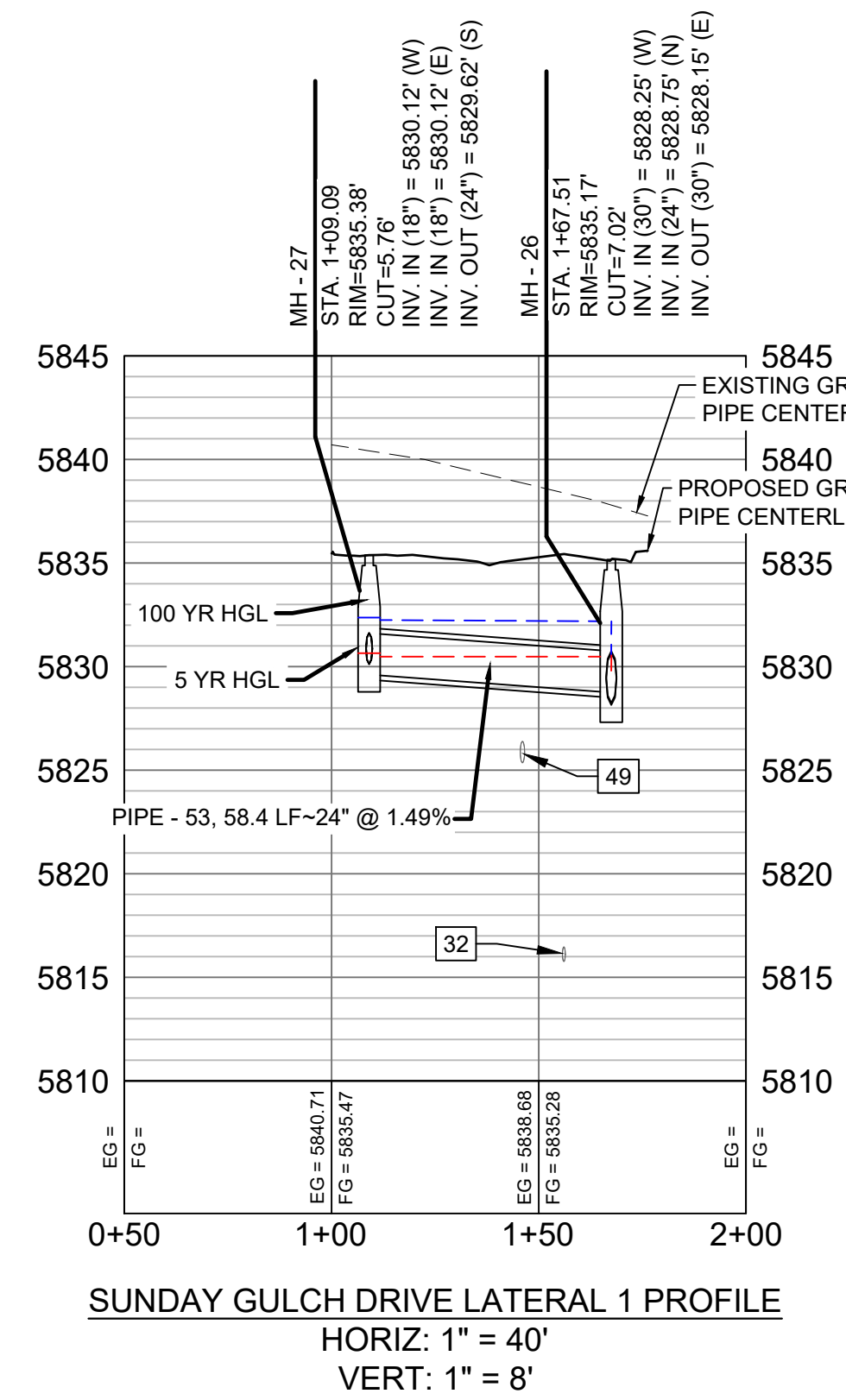
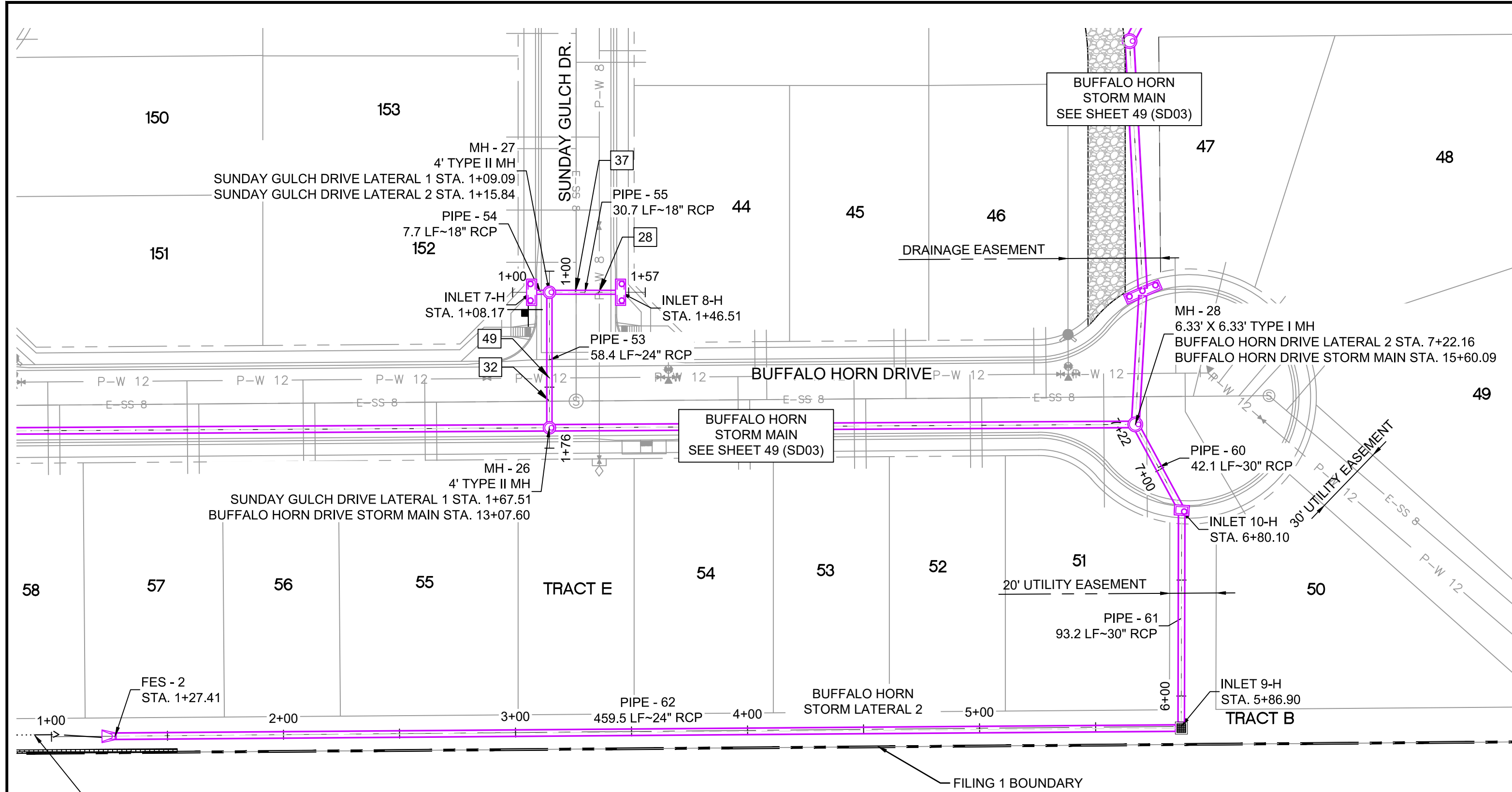
SCALE: HORIZ. 1" = 40'
 VERT. 1" = 8'

DATE ISSUED: SEPTEMBER, 2019
 SHEET: 50 OF 73

DRAWING No. SD04



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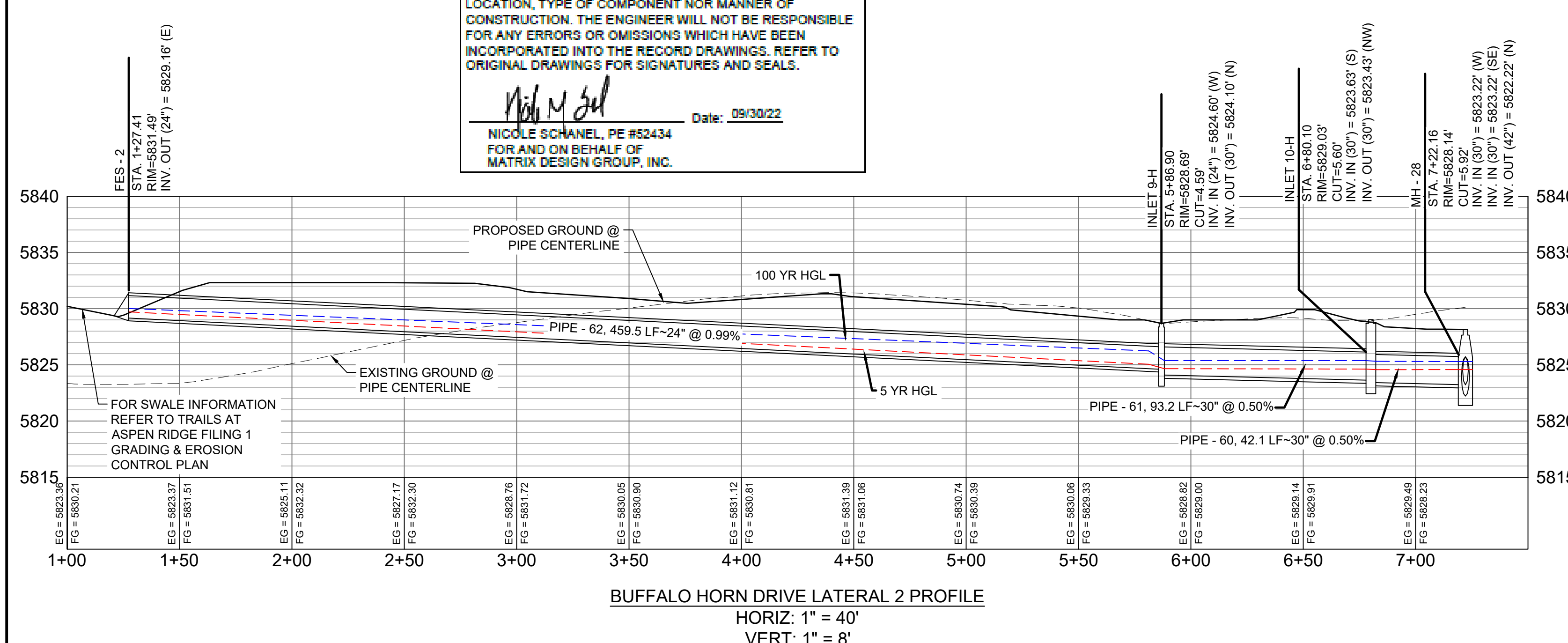


ENGINEERING RECORD DRAWINGS

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Nicole M. Schanel
 Nicole Schanel, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.
 Date: 09/30/22

FOR SWALE INFORMATION REFER TO TRAILS AT ASPEN RIDGE FILING 1 GRADING & EROSION CONTROL PLAN



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

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 13,737.52	8" PVC SAN 5815.51	18" RCP STORM 5830.03	14.52'
49	N 5,457.28 E 13,726.12	12" PVC WATER 5828.41	24" RCP STORM 5828.82	2.41'

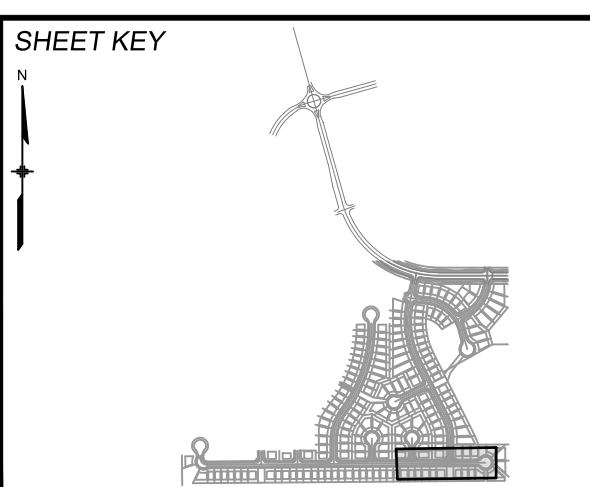
PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 53	N00°00'29"W	58.4'	1.49%	24" RCP
PIPE - 54	N90°00'00"W	7.7'	0.78%	18" RCP
PIPE - 55	N90°00'00"E	30.7'	0.95%	18" RCP
PIPE - 60	S28°23'40"E	42.1'	0.50%	30" RCP
PIPE - 61	S00°07'35"W	93.2'	0.50%	30" RCP
PIPE - 62	S89°28'24"W	459.5'	0.99%	24" RCP

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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 11:37:02 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.
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BASIS OF BEARING
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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

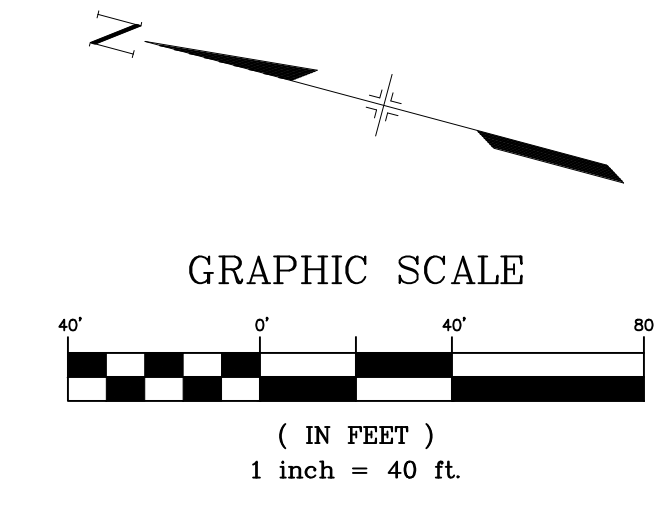
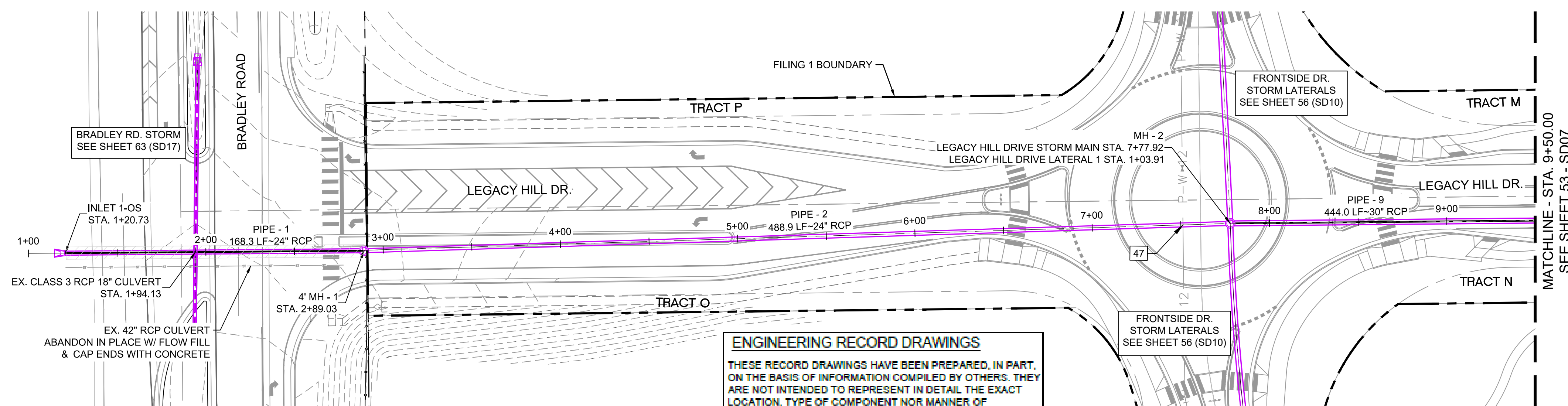
STORM DRAIN PLAN & PROFILE

EPC 2/13/2020

DESIGNED BY: KMZ	SCALE: 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SD05
DRAWN BY: LCB	HORIZ. 1" = 40'	SHEET 51 OF 73	
CHECKED BY: NMS	VERT. 1" = 8'		



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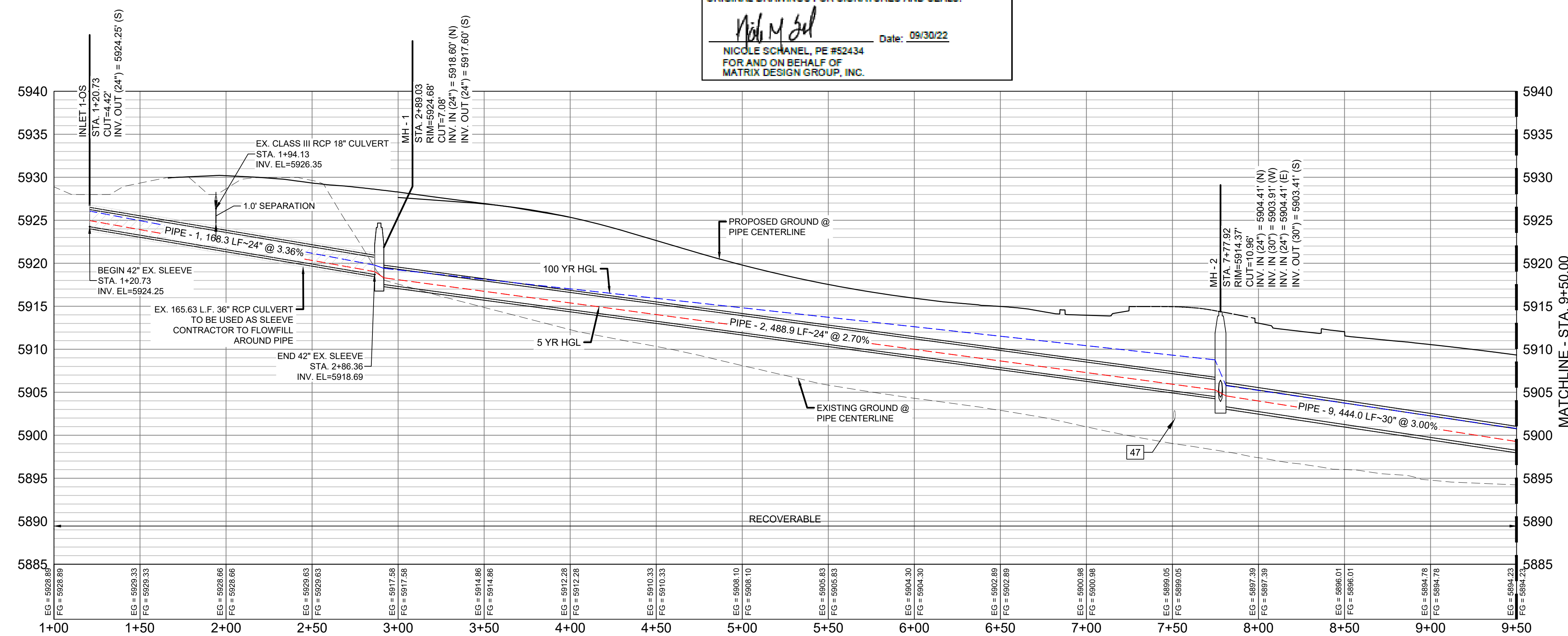


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Nicole Schanel Date: 09/30/22
 NICOLE SCHANEL, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.

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

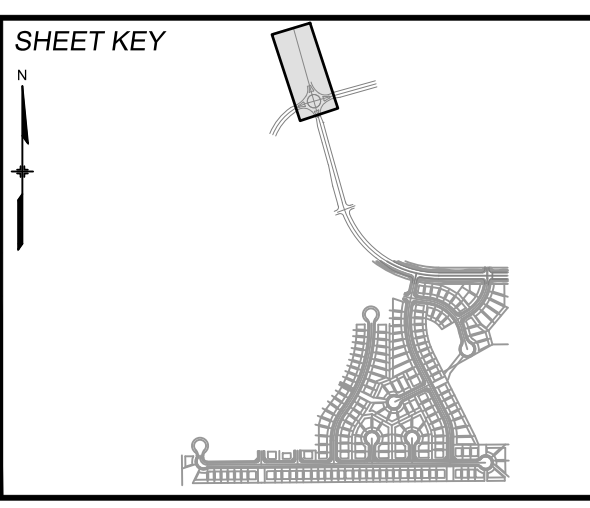
NAME	TYPE	DETAILS	N & E
INLET 1-OS	24" FES	RIM = 5926.58 PIPE - 1 INV OUT (24") = 5924.25	N: 8759.66 E: 12523.50
MH - 1	4' TYPE II 1' DROP MH	RIM = 5924.68 PIPE - 1 INV IN (24") = 5918.60 PIPE - 2 INV OUT (24") = 5917.60	N: 8597.45 E: 12568.39
MH - 2	4' TYPE II STM MH	RIM = 5914.37 PIPE - 2 INV IN (24") = 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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LEGACY HILL DRIVE STORM MAIN PROFILE
 HORIZ. SCALE: 1" = 40'
 VERT. SCALE: 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\SD06-07.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 11:39:32 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

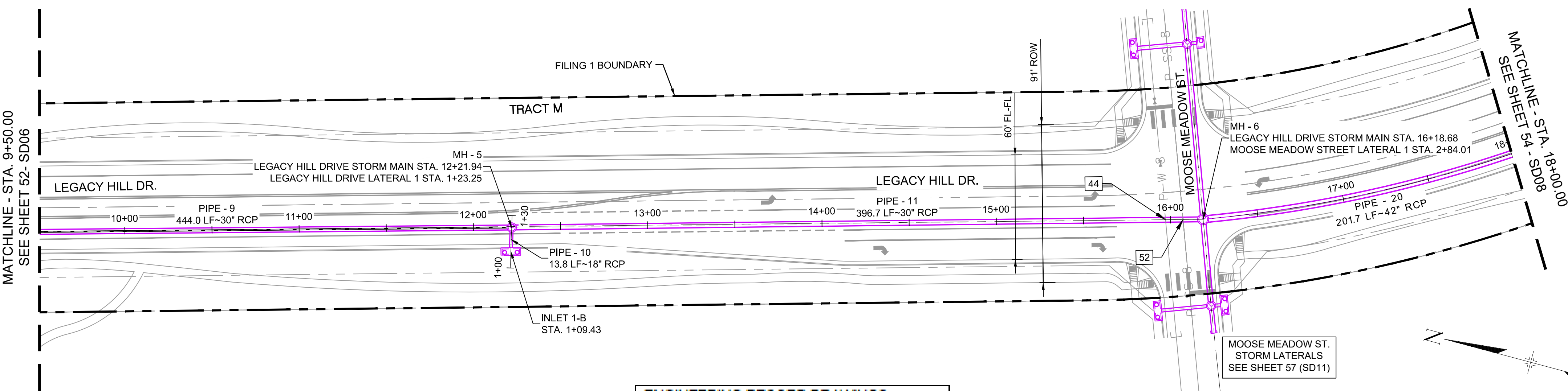
STORM DRAIN PLAN & PROFILE
 EPC 2/13/2020

DESIGNED BY: KML	SCALE: HORIZ 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SD06
DRAWN BY: LCB	VERT. 1" = 8'	SHEET 52 OF 73	
CHECKED BY: NMS			

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



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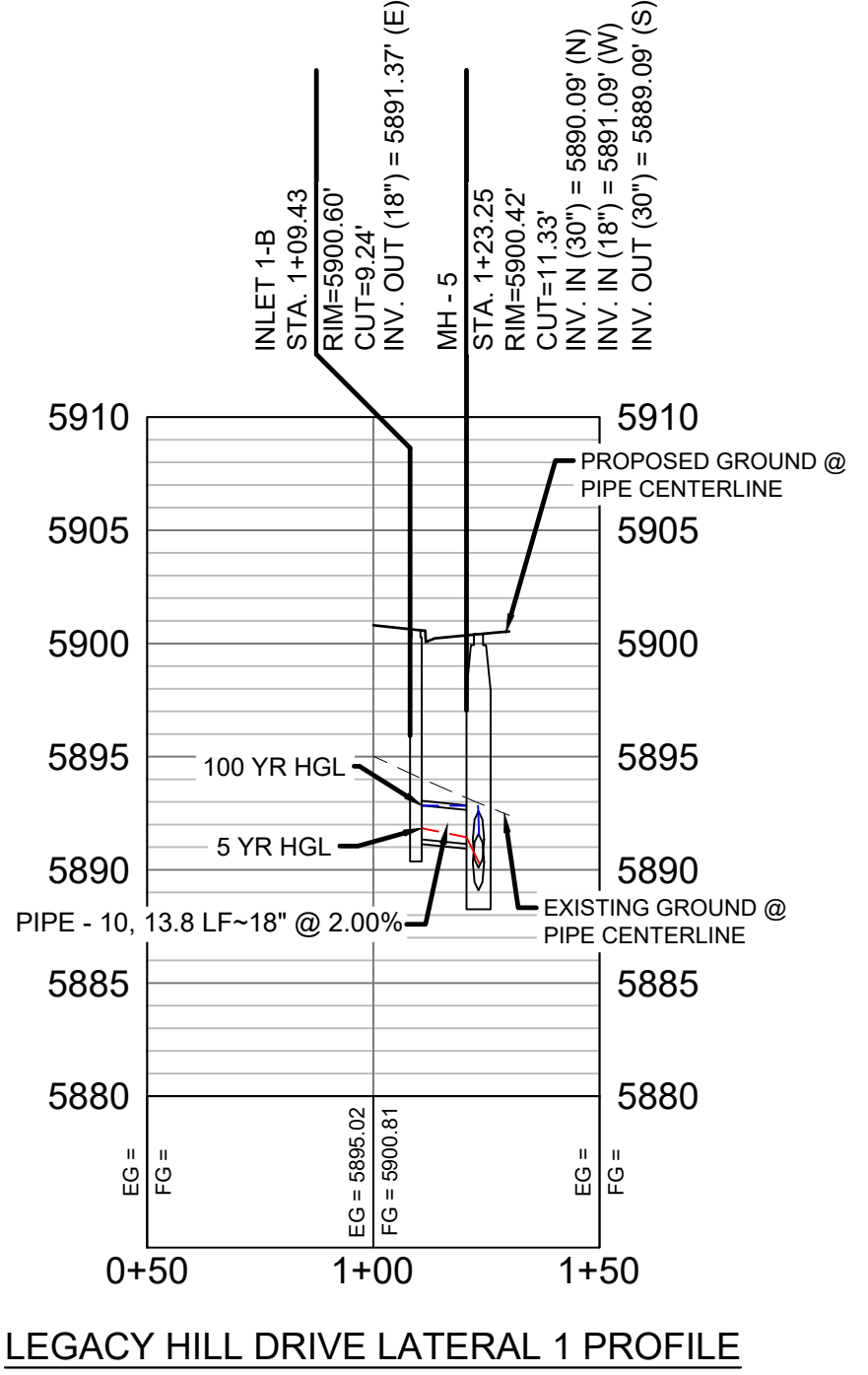
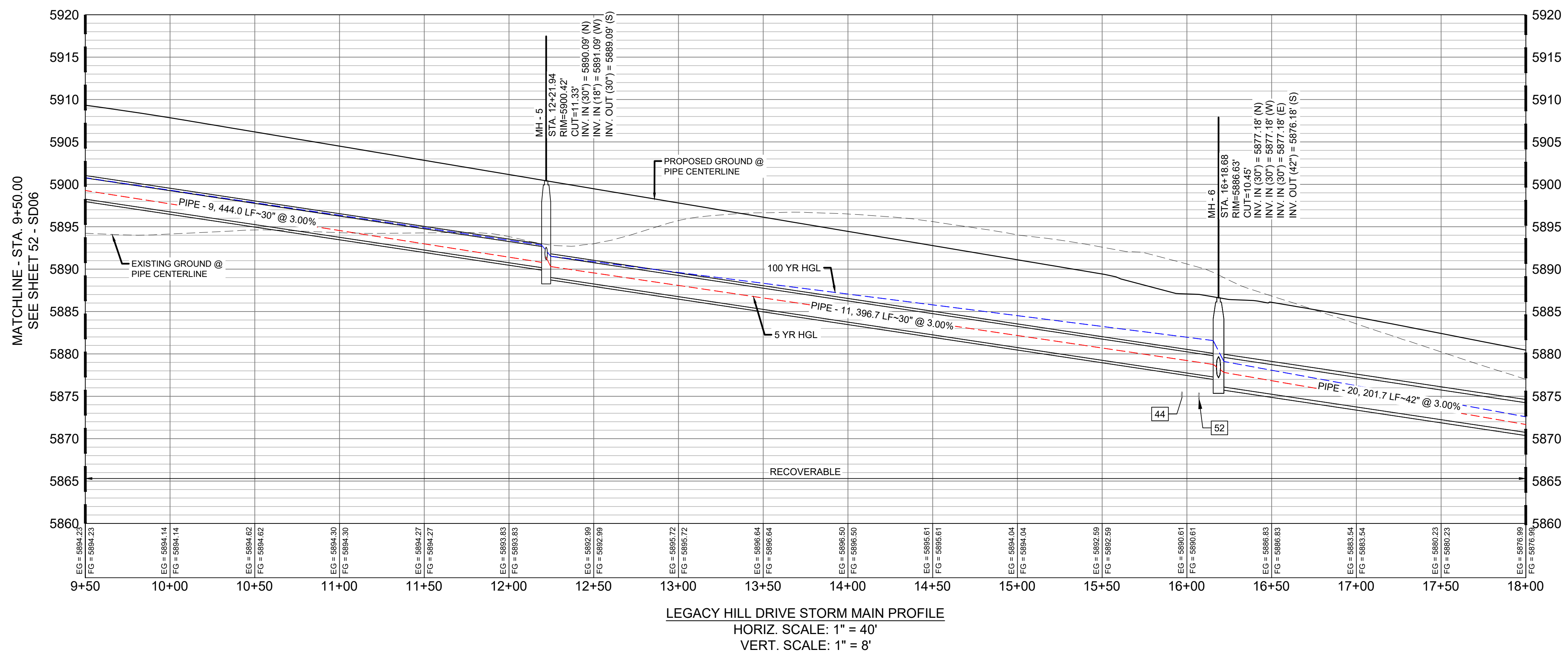
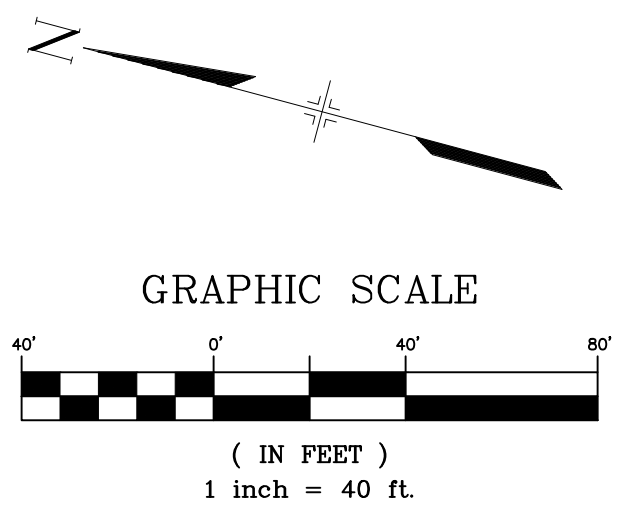
UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
44	N 7,340.43 E 12,930.04	8" PVC WATER 5733.39	30" RCP STORM 5735.39	2.00'
52	N 7,330.77 E 12,932.75	8" PVC SAN 5875.40	30" RCP STORM 5877.24	1.84'

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

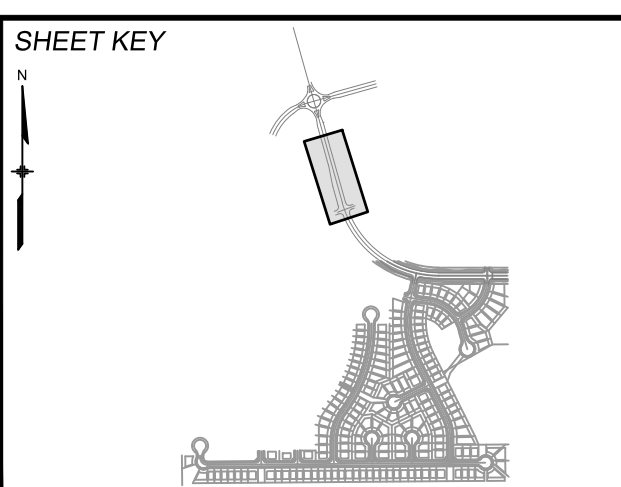
STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
INLET 1-B	10' ON-GRADE TYPE R INLET	RIM = 5900.60 PIPE - 10 INV OUT (18") = 5891.37	N: 7698.52 E: 12815.19
MH - 5	4' TYPE II MH	RIM = 5900.42 PIPE - 9 INV IN (30") = 5890.09 PIPE - 10 INV IN (18") = 5891.09 PIPE - 11 INV OUT (30") = 5889.09	N: 7701.64 E: 12828.66
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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 Date: 09/30/22
 NICOLE SCHANEL, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.



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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\SD06-07.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 11:39:49 AM			
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BENCHMARK
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TRAILS AT ASPEN RIDGE

FILING NO. 1
 ROADWAY & STORM IMPROVEMENT PLANS

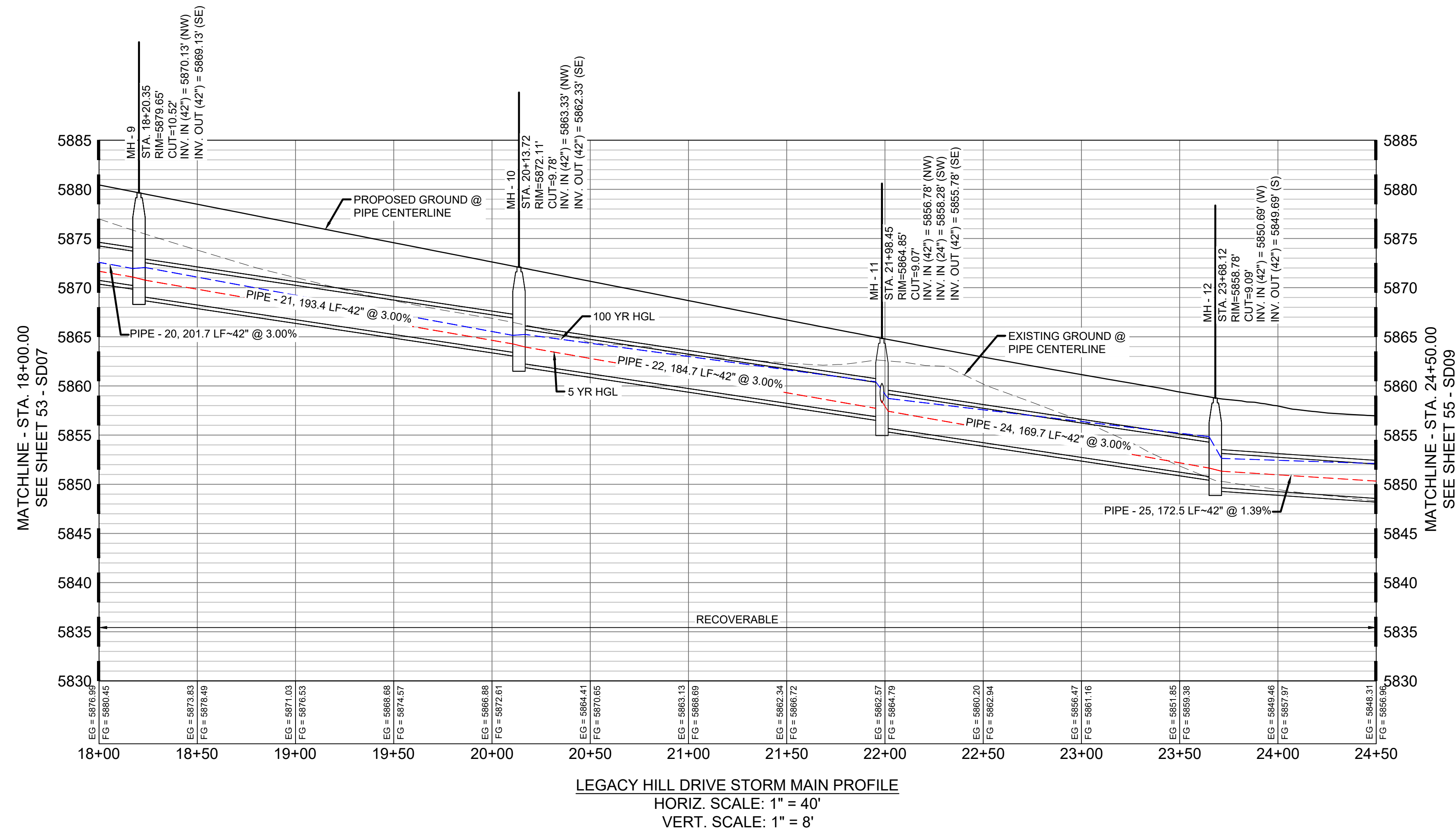
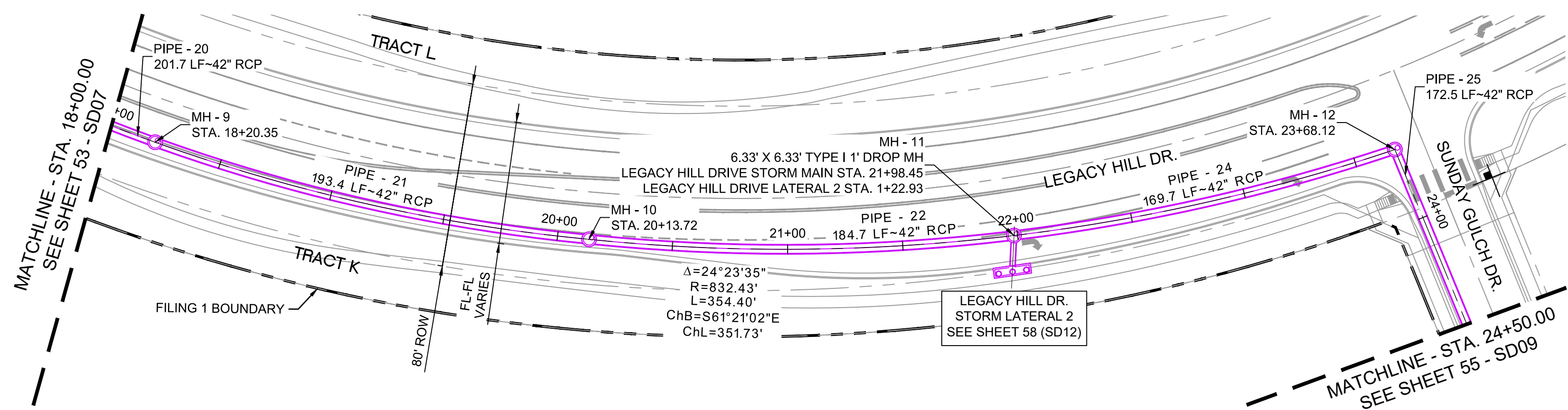
STORM DRAIN PLAN & PROFILE
 EPC 2/13/2020

DESIGNED BY: KML	SCALE: HORIZ 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SD07
DRAWN BY: LCB	VERT. 1" = 8'	SHEET 53 OF 73	
CHECKED BY: NMS			

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



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STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
MH - 9	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5879.65 PIPE - 20 INV IN (42") = 5870.13 PIPE - 21 INV OUT (42") = 5869.13	N: 7141.68 E: 13029.49
MH - 10	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5872.11 PIPE - 21 INV IN (42") = 5863.33 PIPE - 22 INV OUT (42") = 5862.33	N: 6999.25 E: 13159.53
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 - 12	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5858.78 PIPE - 24 INV IN (42") = 5850.69 PIPE - 25 INV OUT (42") = 5849.69	N: 6830.62 E: 13468.19

PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 25	S12°35'09"W	172.5'	1.39%	42" RCP
PIPE - 20	S27°44'40"E	201.7'	3.00%	42" RCP

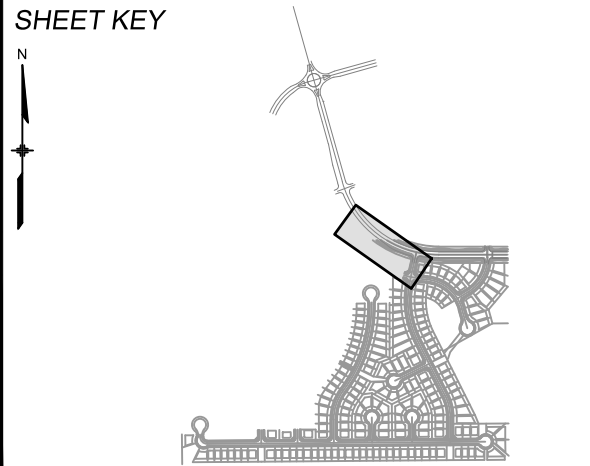
PIPE TABLE					
PIPE NAME	RADIUS	CHORD LENGTH	LENGTH	SLOPE	SIZE
PIPE - 22	832.43'	184.35'	184.73'	3.004%	42" RCP
PIPE - 24	832.43'	169.37'	169.67'	3.000%	42" RCP
PIPE - 21	772.34'	192.86'	193.37'	2.999%	42" RCP

ENGINEERING RECORD DRAWINGS
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Nicole Schanel
 NICOLE SCHANEL, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.
 Date: 09/30/22

- NOTES:**
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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.

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 11:43:43 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

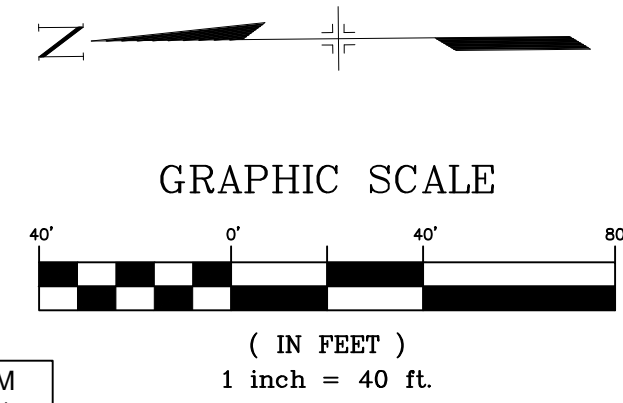
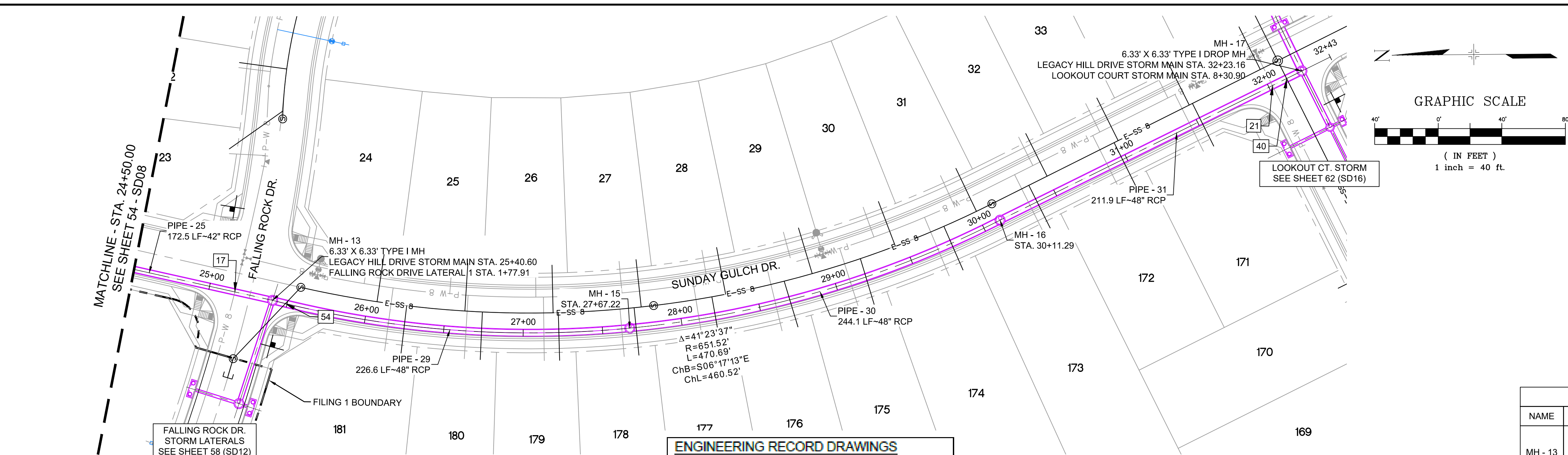
FILING NO. 1
 ROADWAY & STORM IMPROVEMENT PLANS

STORM DRAIN PLAN & PROFILE
 EPC 2/13/2020

DESIGNED BY: KMZ	SCALE: HORIZ 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SD08
DRAWN BY: LCB	VERT. 1" = 8'	SHEET 54 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
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

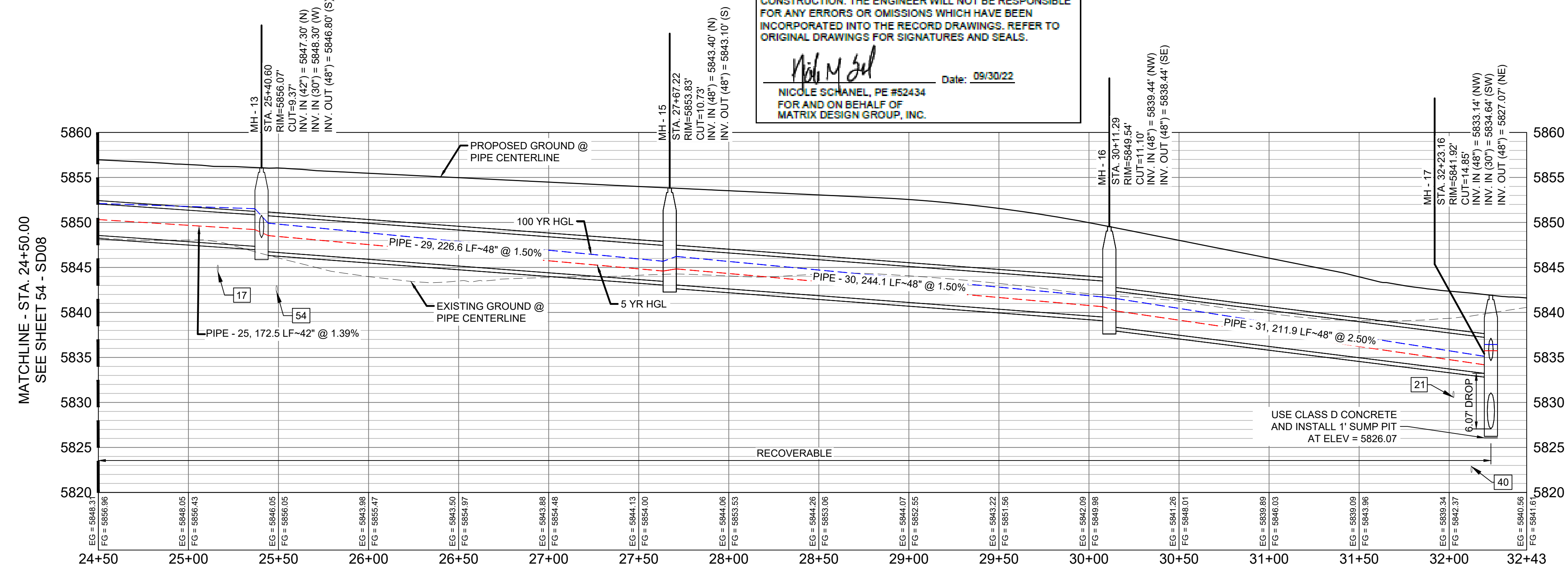
PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 25	S12°35'09"W	172.5'	1.39%	42" RCP
PIPE - 31	S26°17'39"E	211.9'	2.50%	48" RCP

PIPE TABLE					
PIPE NAME	RADIUS	CHORD LENGTH	LENGTH	SLOPE	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

ENGINEERING RECORD DRAWINGS

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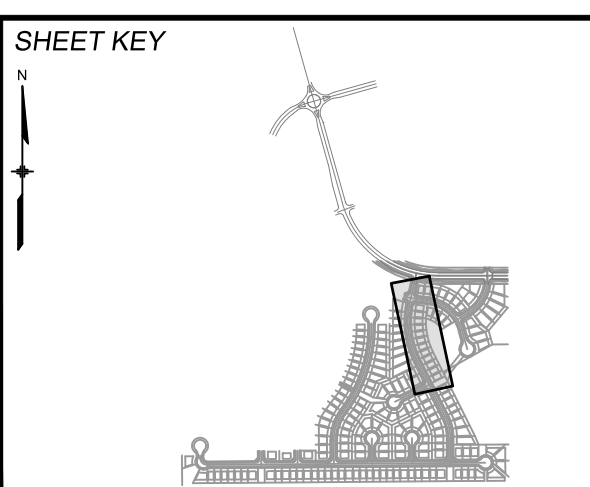
Nicole Schanel
Date: 09/30/22
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.



LEGACY HILL DRIVE STORM MAIN PROFILE
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 8'

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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

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PREPARED BY:

SEAL

TRAILS AT ASPEN RIDGE

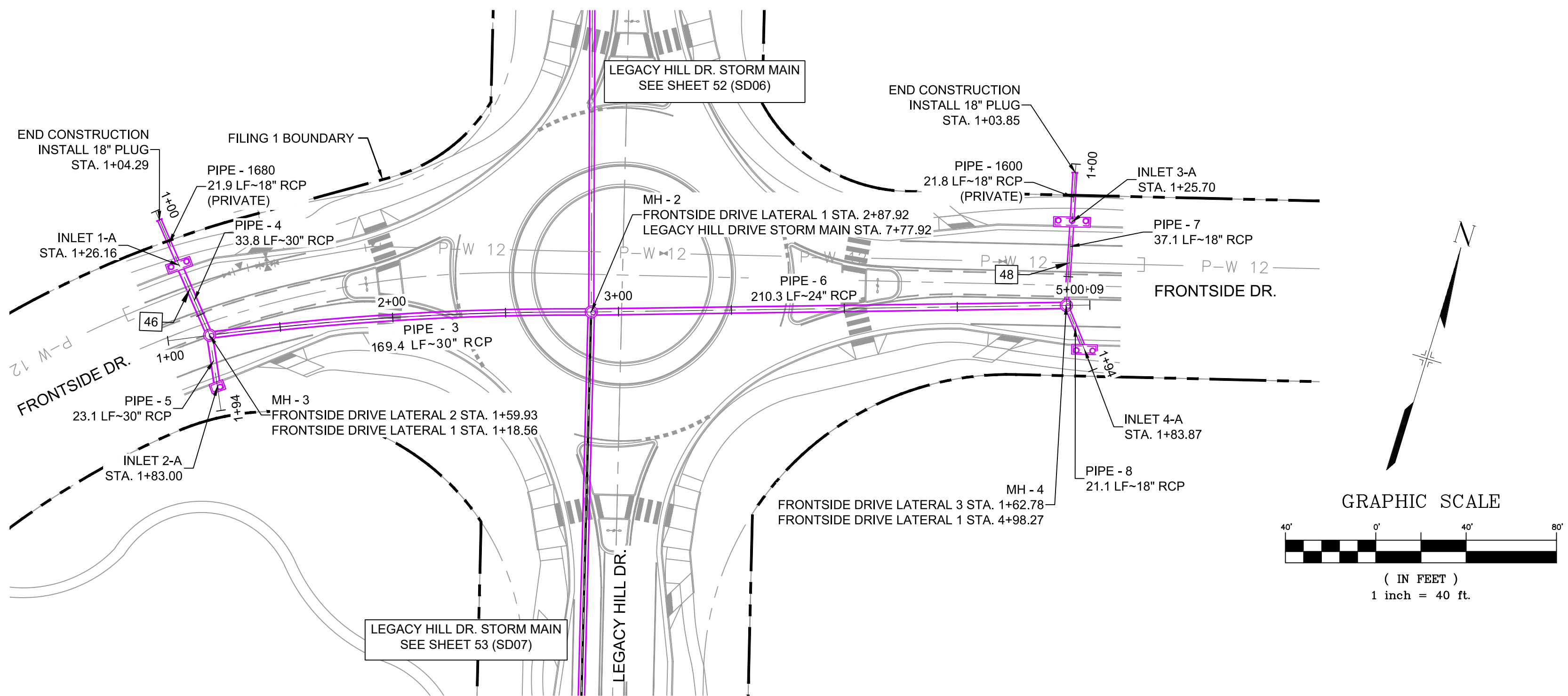
FILING NO. 1
ROADWAY & STORM IMPROVEMENT PLANS

STORM DRAIN PLAN & PROFILE
EPC 2/13/2020

DESIGNED BY: KMZ	SCALE: 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SD09
DRAWN BY: LCB	HORIZ. 1" = 40'	SHEET 55 OF 73	
CHECKED BY: NMS	VERT. 1" = 8'		

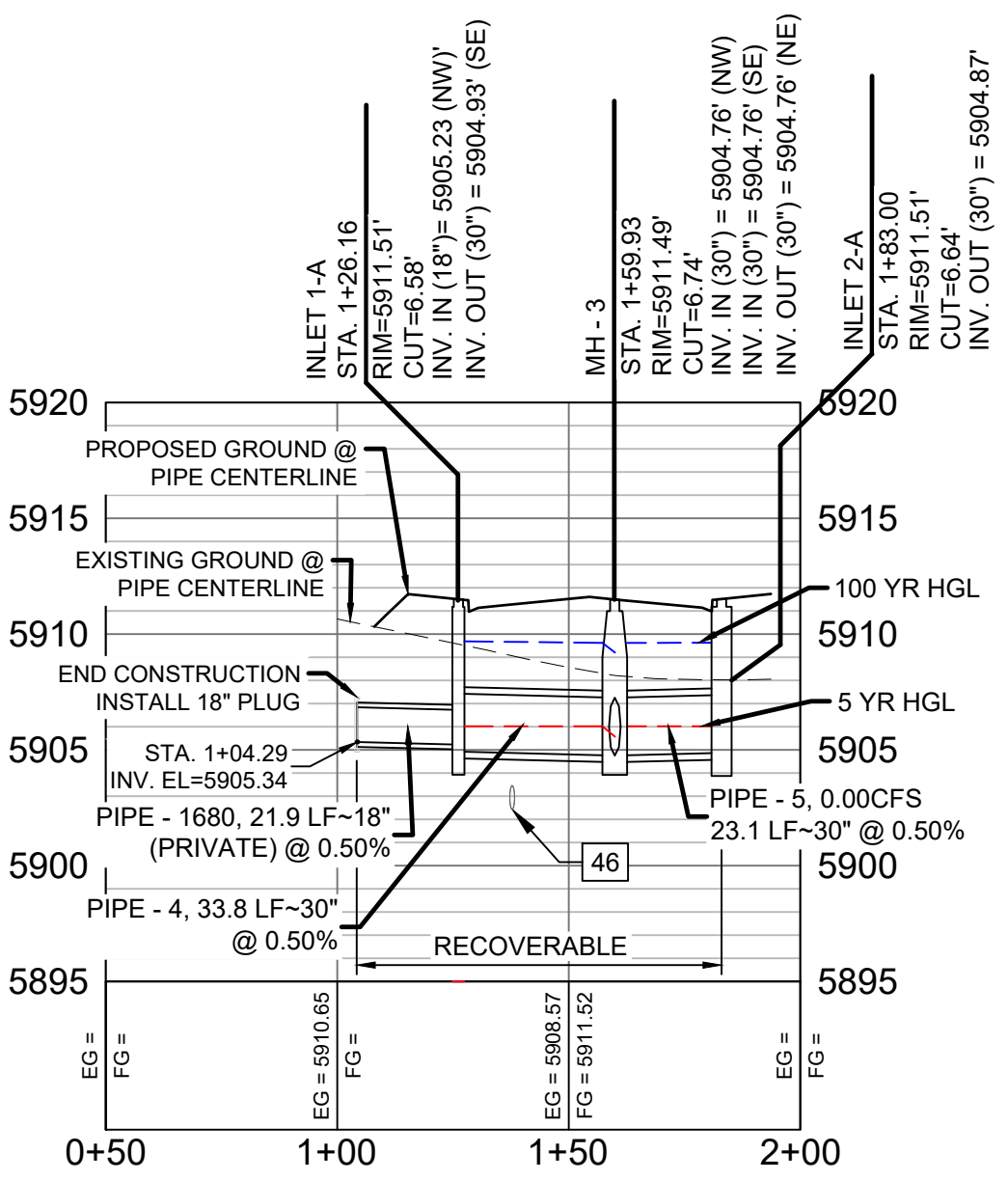
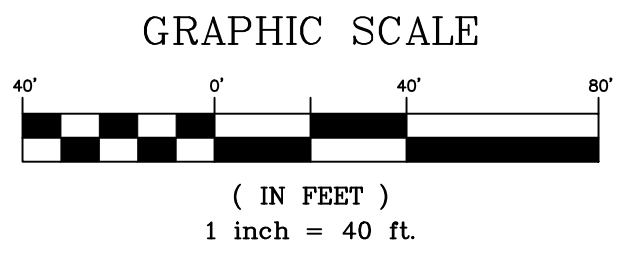


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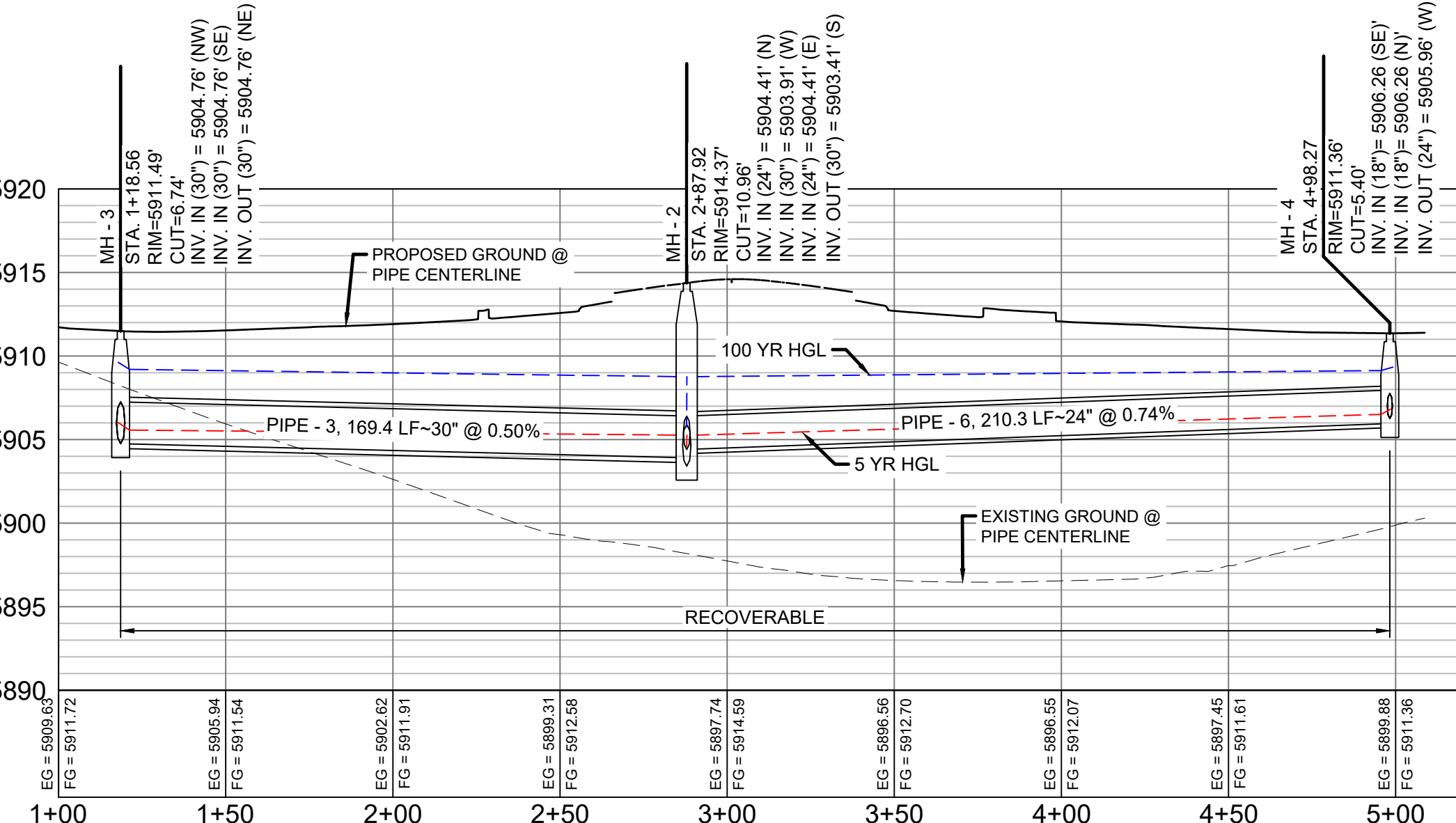


STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
INLET 1-A	10' SUMP TYPE R INLET	RIM = 5911.51 PIPE - 1680 INV IN (18") = 5905.23 PIPE - 4 INV OUT (30") = 5904.93	N: 8095.89 E: 12529.23
INLET 2-A	5' SUMP TYPE R INLET	RIM = 5911.51 PIPE - 5 INV OUT (30") = 5904.87	N: 8049.42 E: 12561.15
INLET 3-A	5' SUMP TYPE 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 (18") = 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

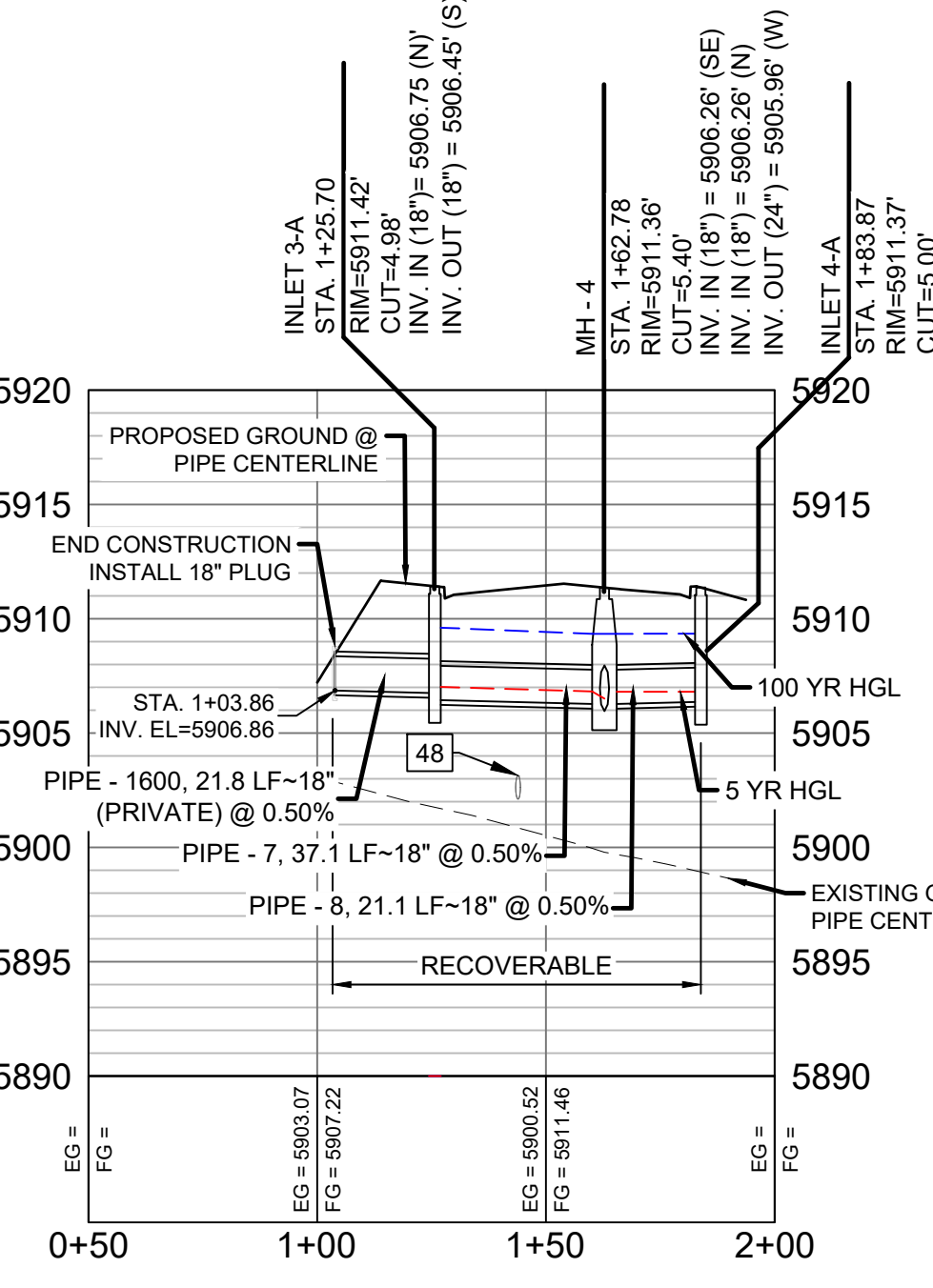
PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 4	N40°33'21"W	33.8'	0.50%	30" RCP
PIPE - 5	S25°33'54"E	23.1'	0.50%	30" RCP
PIPE - 6	N72°12'21"E	210.3'	0.74%	24" RCP
PIPE - 8	S39°20'17"E	21.1'	0.50%	18" RCP
PIPE - 7	N13°06'38"W	37.1'	0.50%	18" RCP
PIPE - 3	S69°31'23"W	169.4'	0.50%	30" RCP



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'

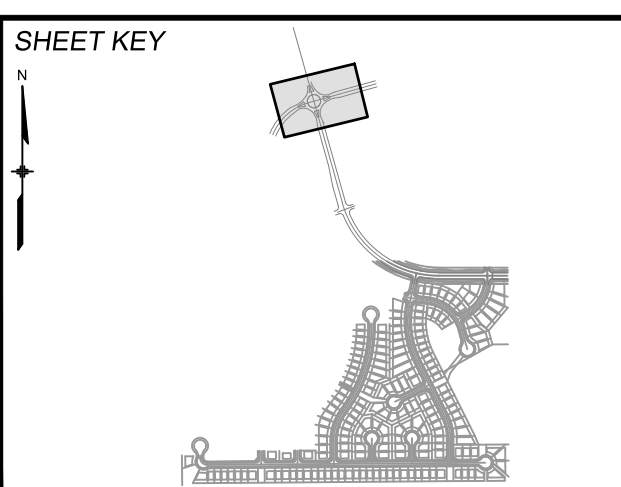
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Nicole Schanel Date: 09/30/22
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.

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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\SD10-11.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 11:47:49 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

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PREPARED BY:

SEAL

TRAILS AT ASPEN RIDGE

FILING NO. 1
ROADWAY & STORM IMPROVEMENT PLANS

STORM DRAIN PLAN & PROFILE
EPC 2/13/2020

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

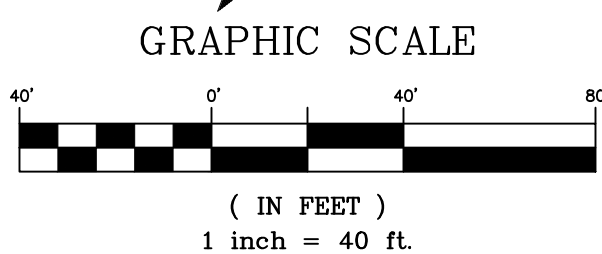
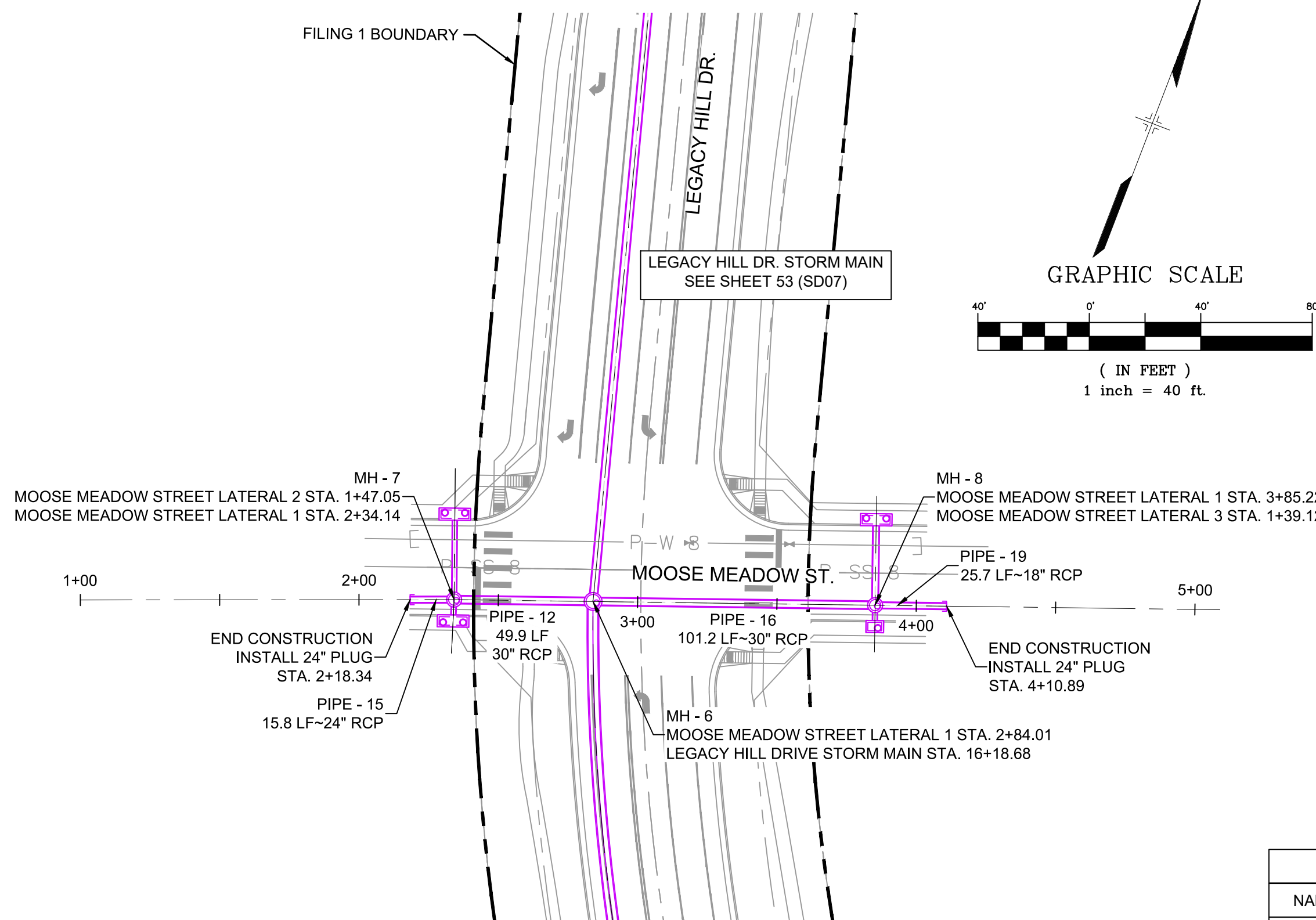
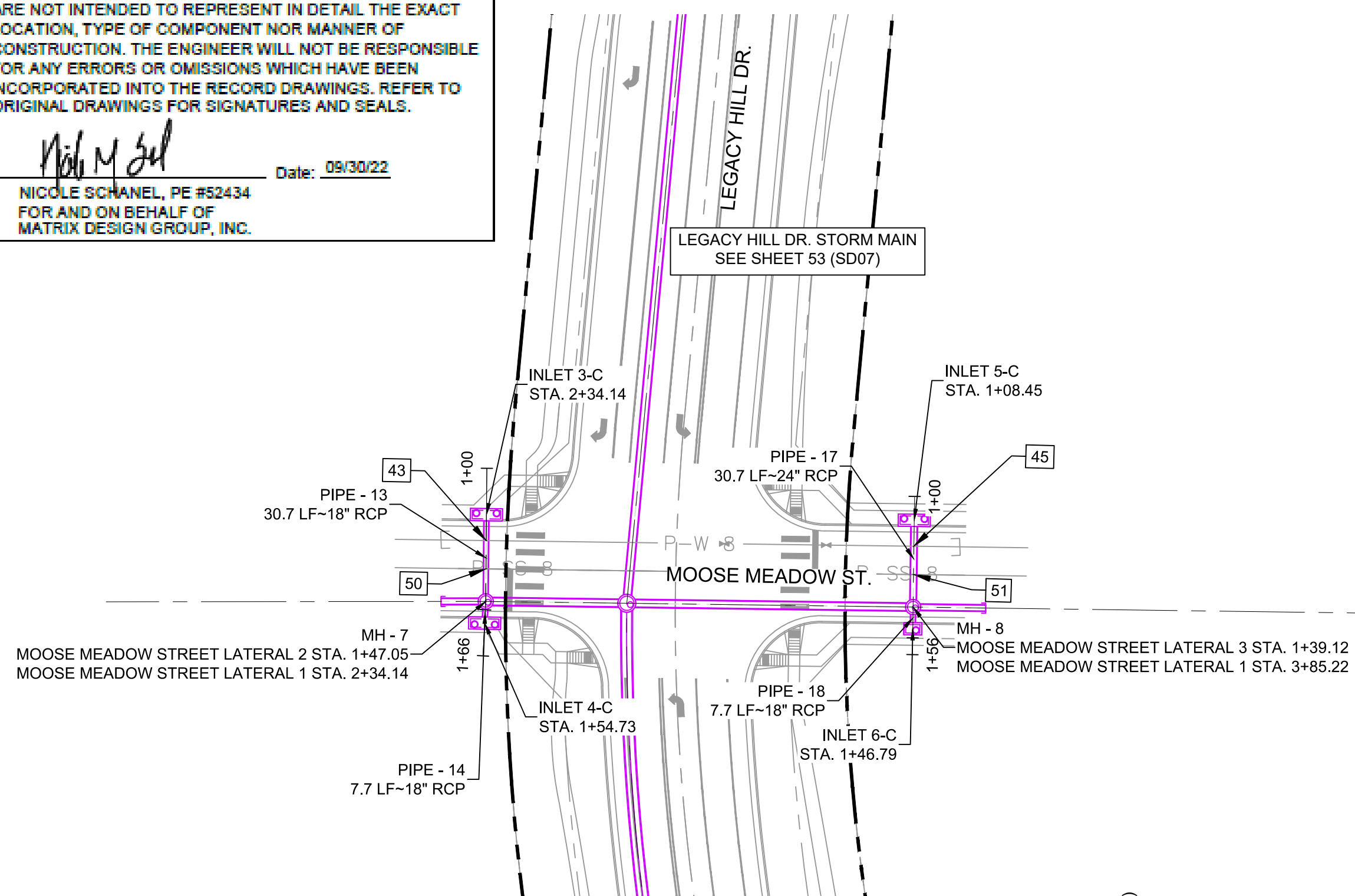


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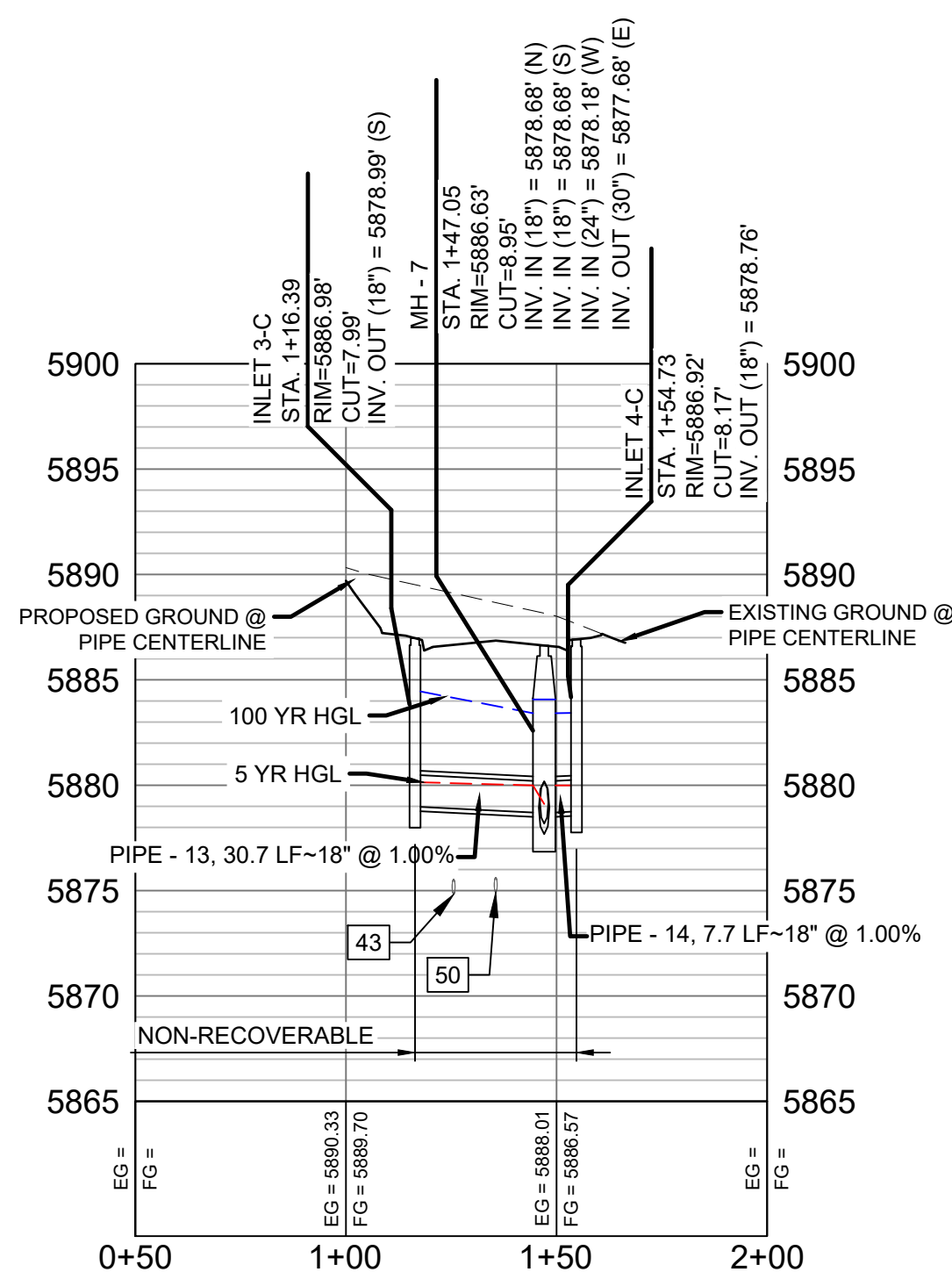
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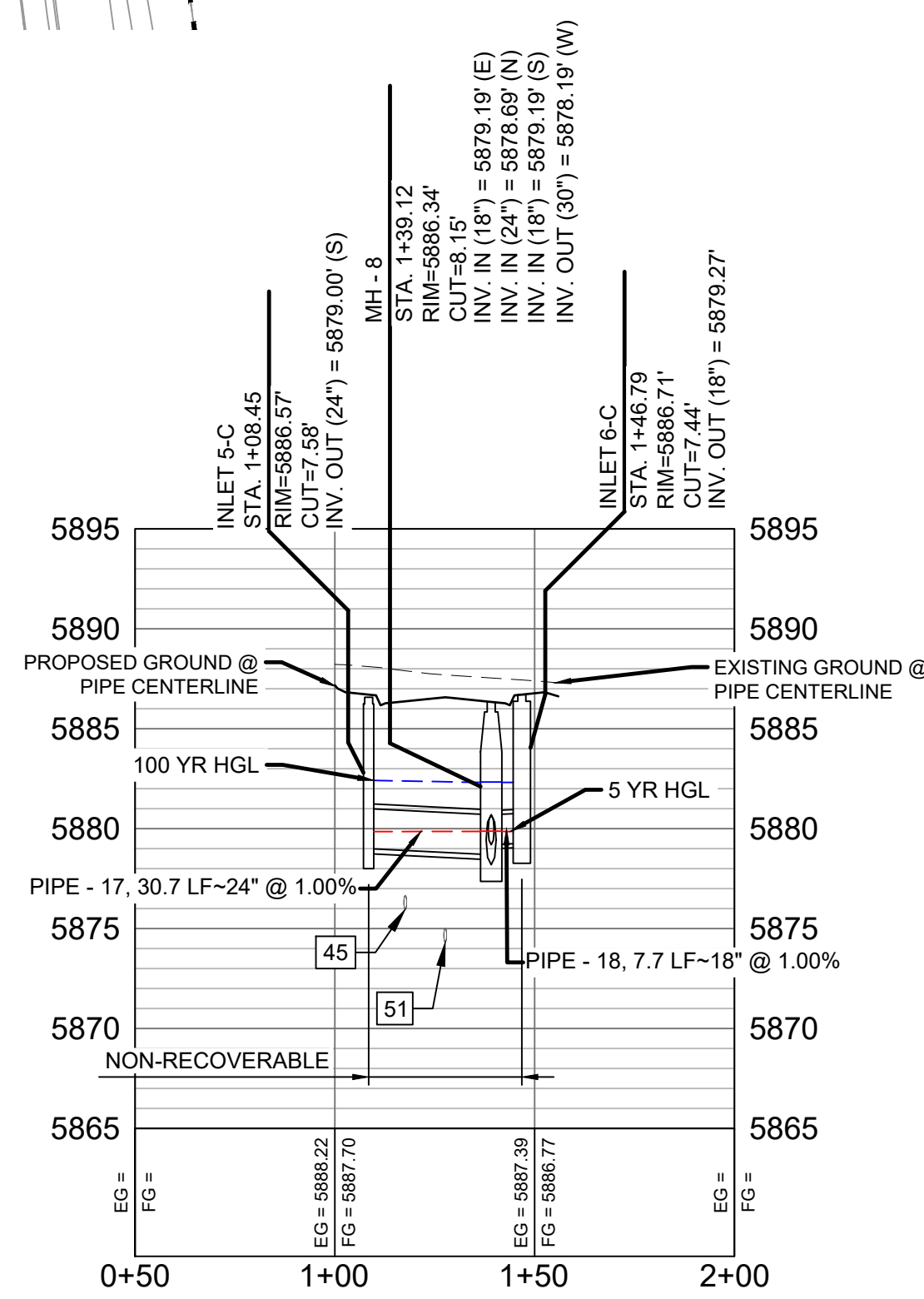
UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
43	N 7,322.55 E 12,881.54	8" PVC WATER 5733.39	18" RCP STORM 5736.54	3.15'
45	N 7,374.85 E 13,023.39	8" PVC WATER 5734.51	24" RCP STORM 5736.51	2.00'
50	N 7,313.18 E 12,885.05	8" PVC SAN 5875.60	18" RCP STORM 5878.59	2.99'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

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

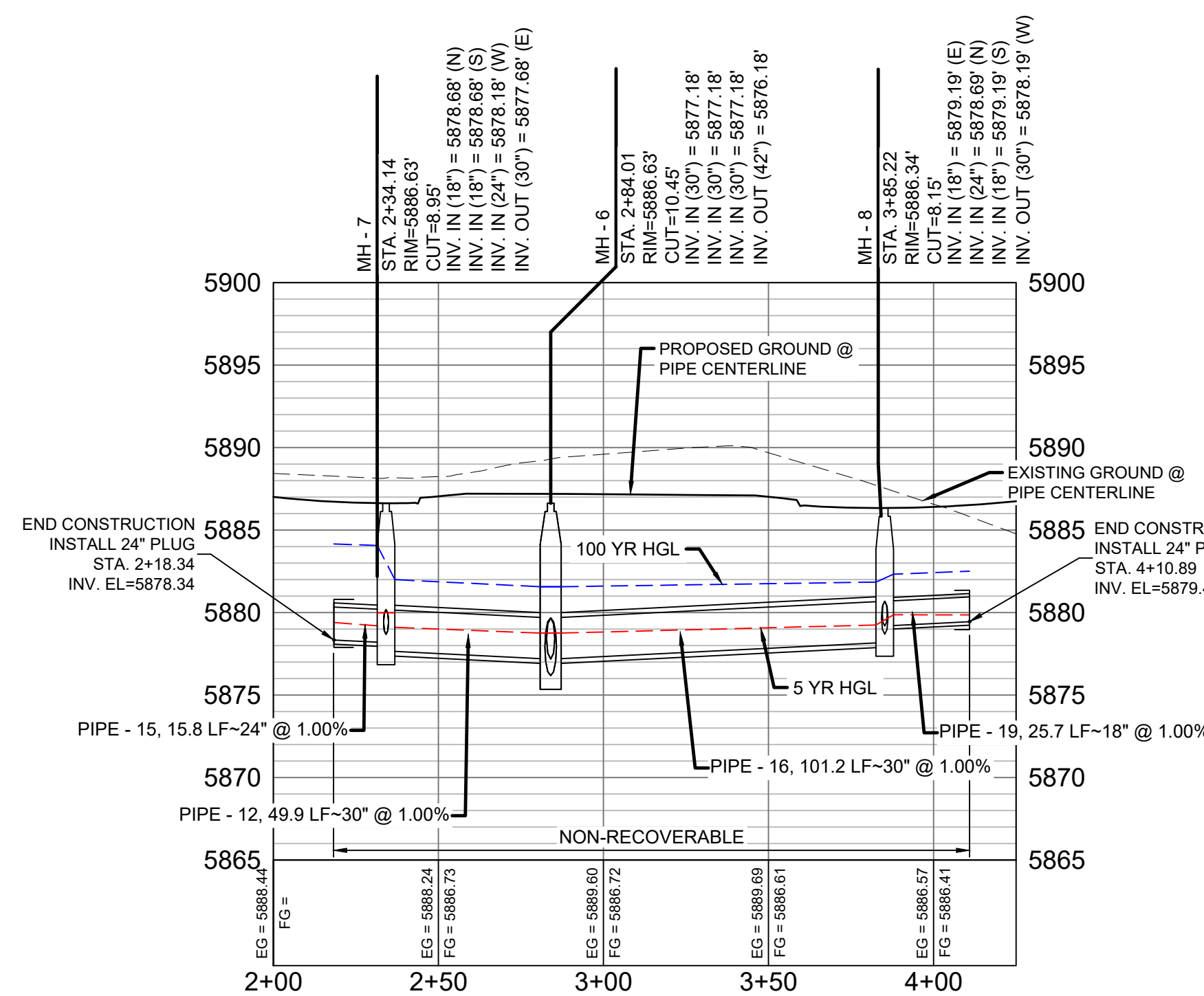
STRUCTURE TABLE				
NAME	TYPE	DETAILS	N & E	
INLET 1-B	10' ON-GRADE TYPE R INLET	RIM = 5900.60 PIPE - 10 INV OUT (18") = 5891.37	N: 7698.52 E: 12815.19	
INLET 3-C	10' SUMP TYPE R INLET	RIM = 5886.98 PIPE - 13 INV OUT (18") = 5878.99	N: 7331.13 E: 12878.33	
INLET 4-C	10' SUMP TYPE R INLET	RIM = 5886.92 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	



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



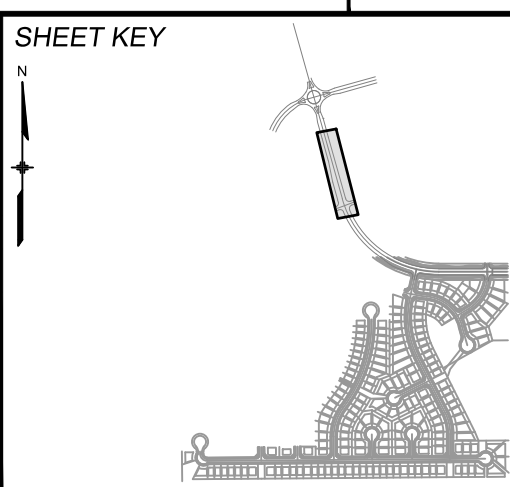
MOOSE MEADOW STREET LATERAL 3 PROFILE
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 VERT. SCALE: 1" = 8'



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

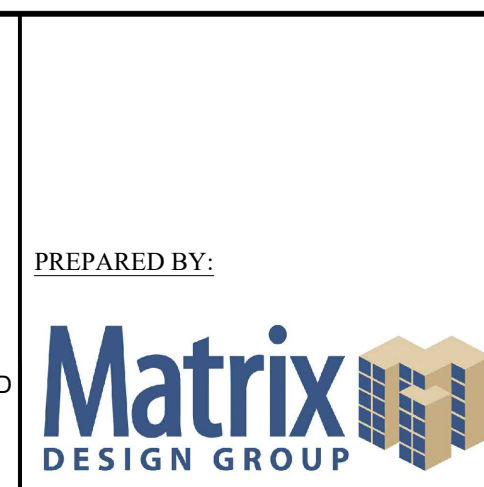
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 - SECTIONS OF STORM PIPE WITH PRESSURE HEAD DURING THE 100 YR STORM SHALL USE WATERTIGHT JOINTS WITH A 100 YR SERVICE LIFE PER ECM 3.3.1.B.2.

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			
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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)



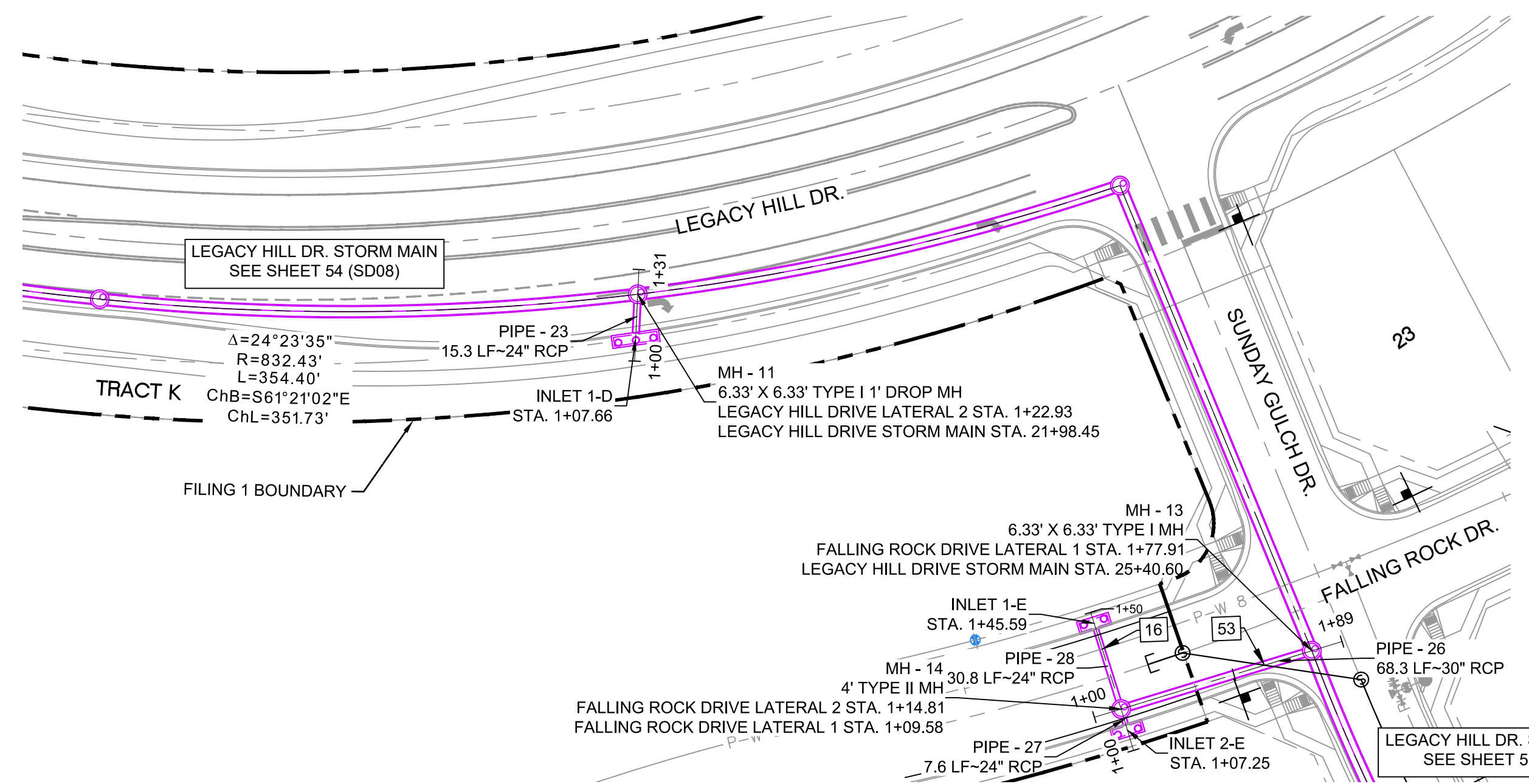
SEAL

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

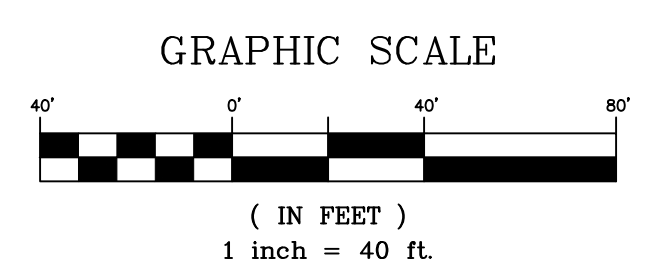
TRAILS AT ASPEN RIDGE			
FILING NO. 1			
ROADWAY & STORM IMPROVEMENT PLANS			
STORM DRAIN PLAN & PROFILE			
EPC 2/13/2020			
DESIGNED BY: KMZ	SCALE: HORIZ. 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SD11
DRAWN BY: LCB	VERT. 1" = 8'	SHEET 57 OF 73	
CHECKED BY: NMS			



Know what's below.
Call before you dig.

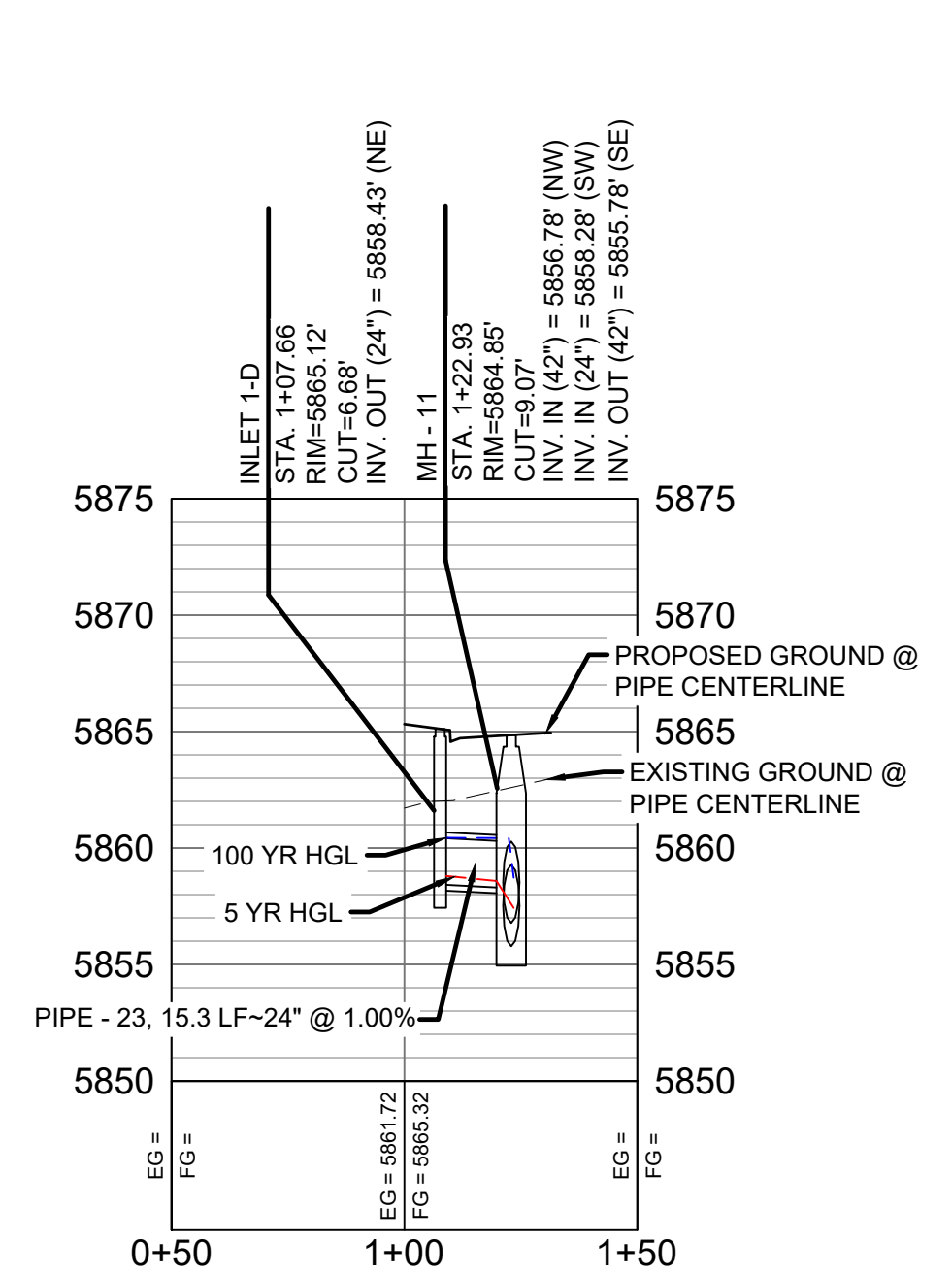


UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
16	N 6,703.91 E 13,372.42	8" PVC WATER 5845.27	24" RCP STORM 5849.65	4.38'
53	N 6,667.51 E 13,414.51	8" PVC SAN 5843.18	30" RCP STORM 5848.09	4.91'

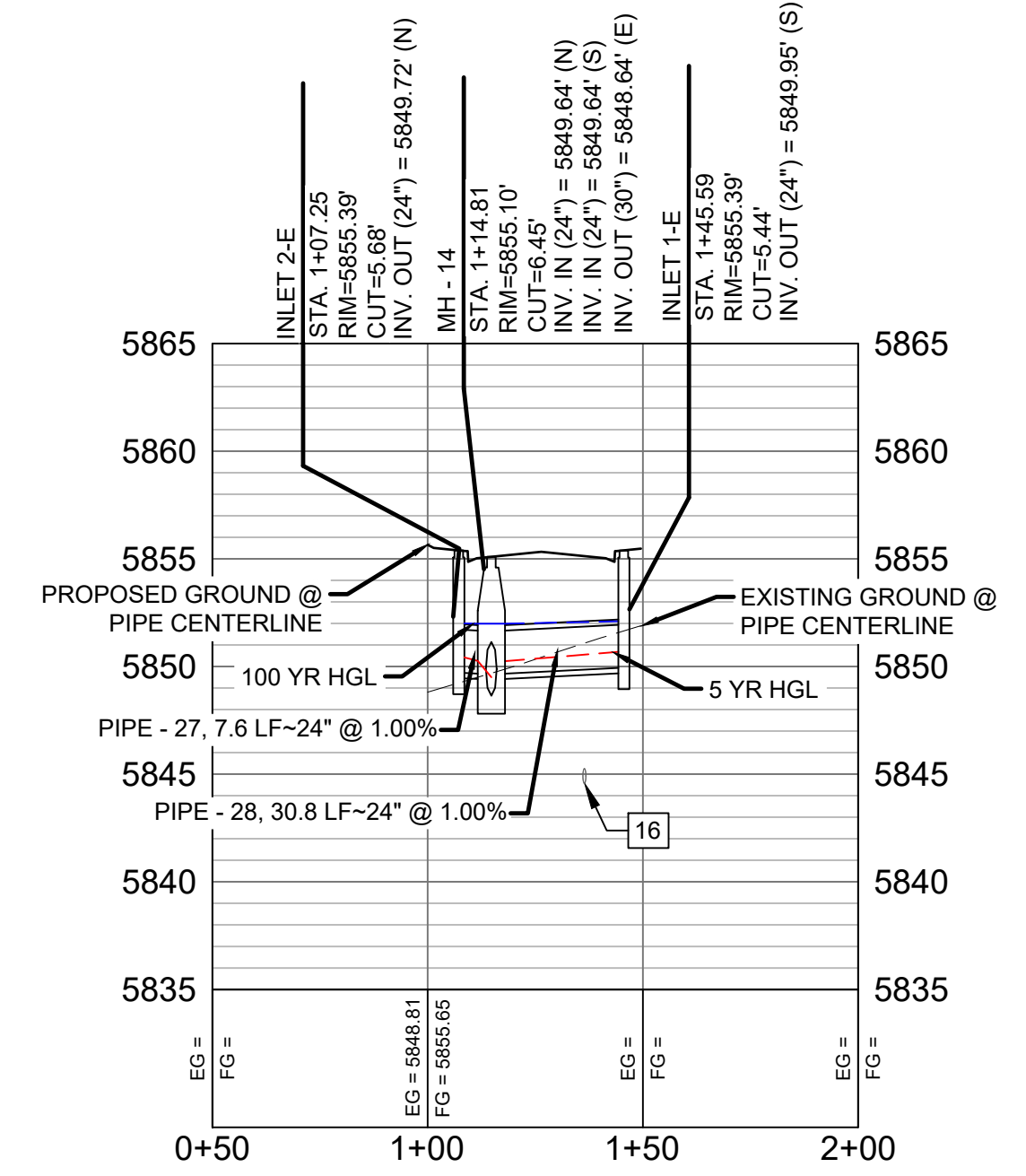


PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 26	N71°59'55"W	68.3'	0.50%	30" RCP
PIPE - 28	N17°33'46"E	30.8'	1.00%	24" RCP
PIPE - 27	S18°20'37"W	7.6'	1.00%	24" RCP
PIPE - 23	S37°42'09"W	15.3'	1.00%	24" RCP

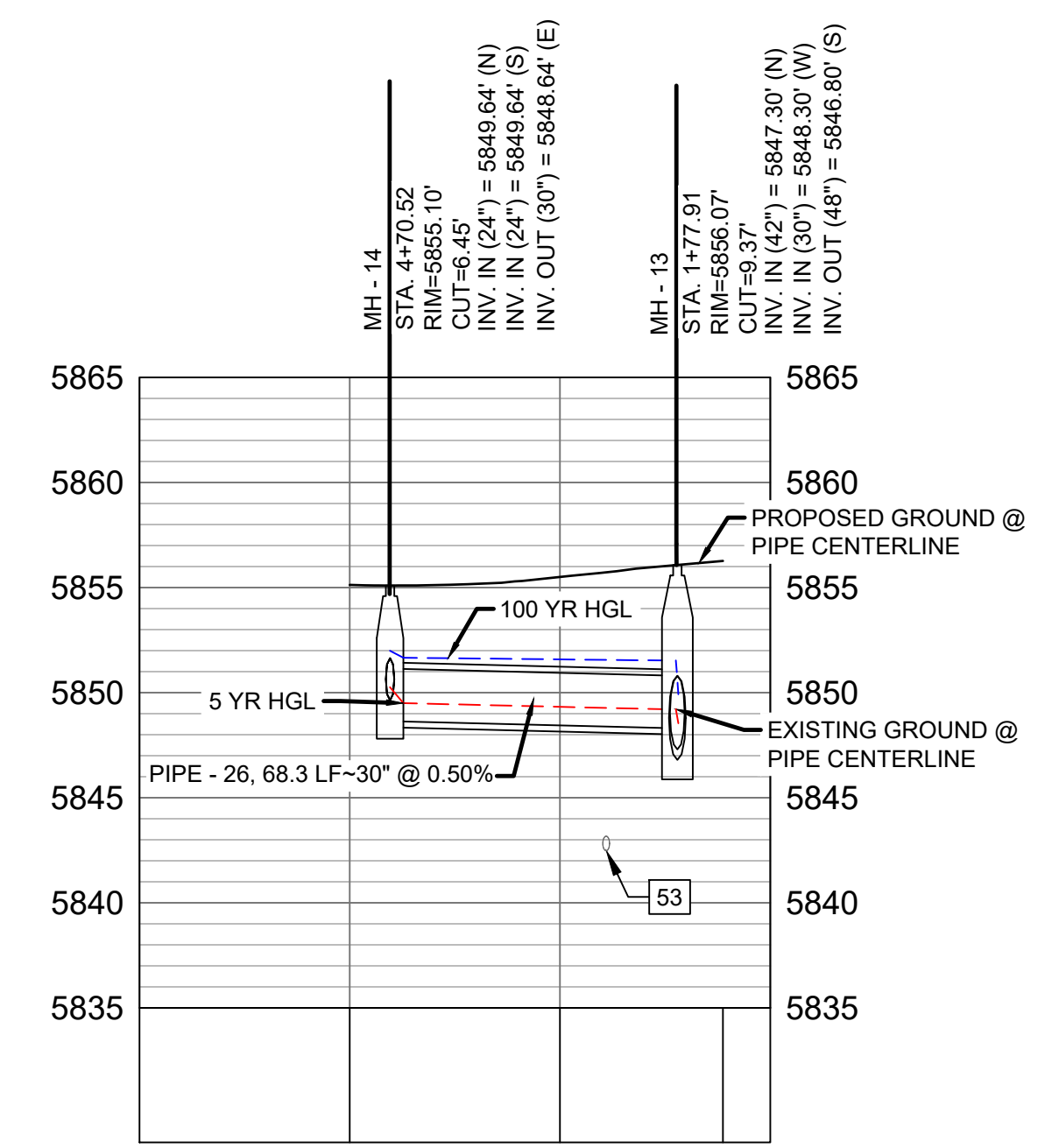
STRUCTURE TABLE				
NAME	TYPE	DETAILS	N & E	
INLET 1-D	15' ON-GRADE TYPE R INLET	RIM = 5865.12 PIPE - 23 INV OUT (24") = 5858.43	N: 6882.78 E: 13302.14	
INLET 1-E	10' SUMP TYPE R INLET	RIM = 5855.39 PIPE - 28 INV OUT (24") = 5849.95	N: 6712.74 E: 13374.91	
INLET 2-E	10' SUMP TYPE R INLET	RIM = 5855.39 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'

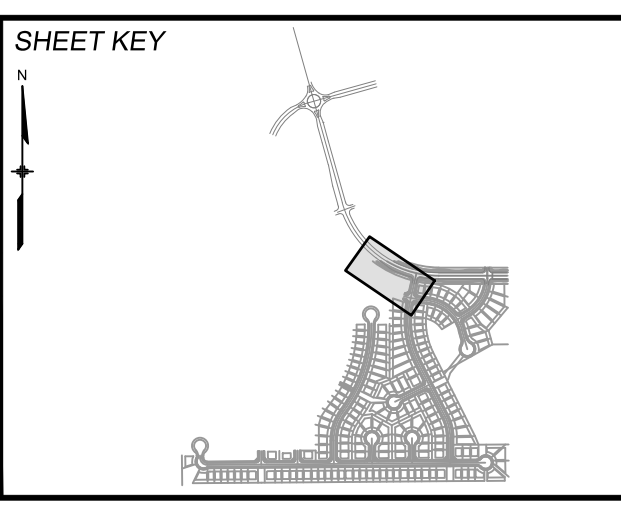
ENGINEERING RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS. REFER TO ORIGINAL DRAWINGS FOR SIGNATURES AND SEALS.

Nicole Schanel
Date: 09/30/22
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.

- 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.
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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\SD12.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 11:51:22 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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TRAILS AT ASPEN RIDGE

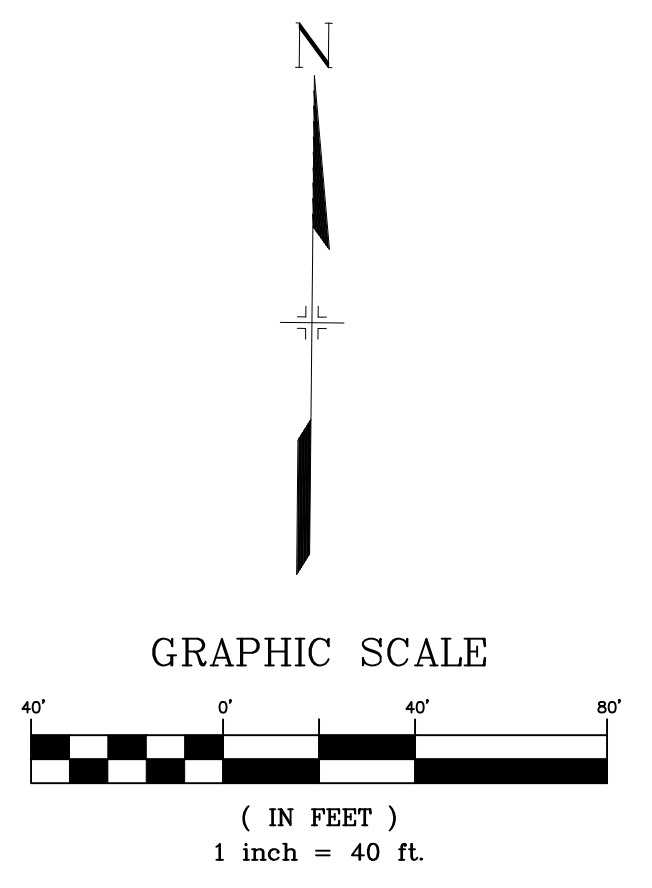
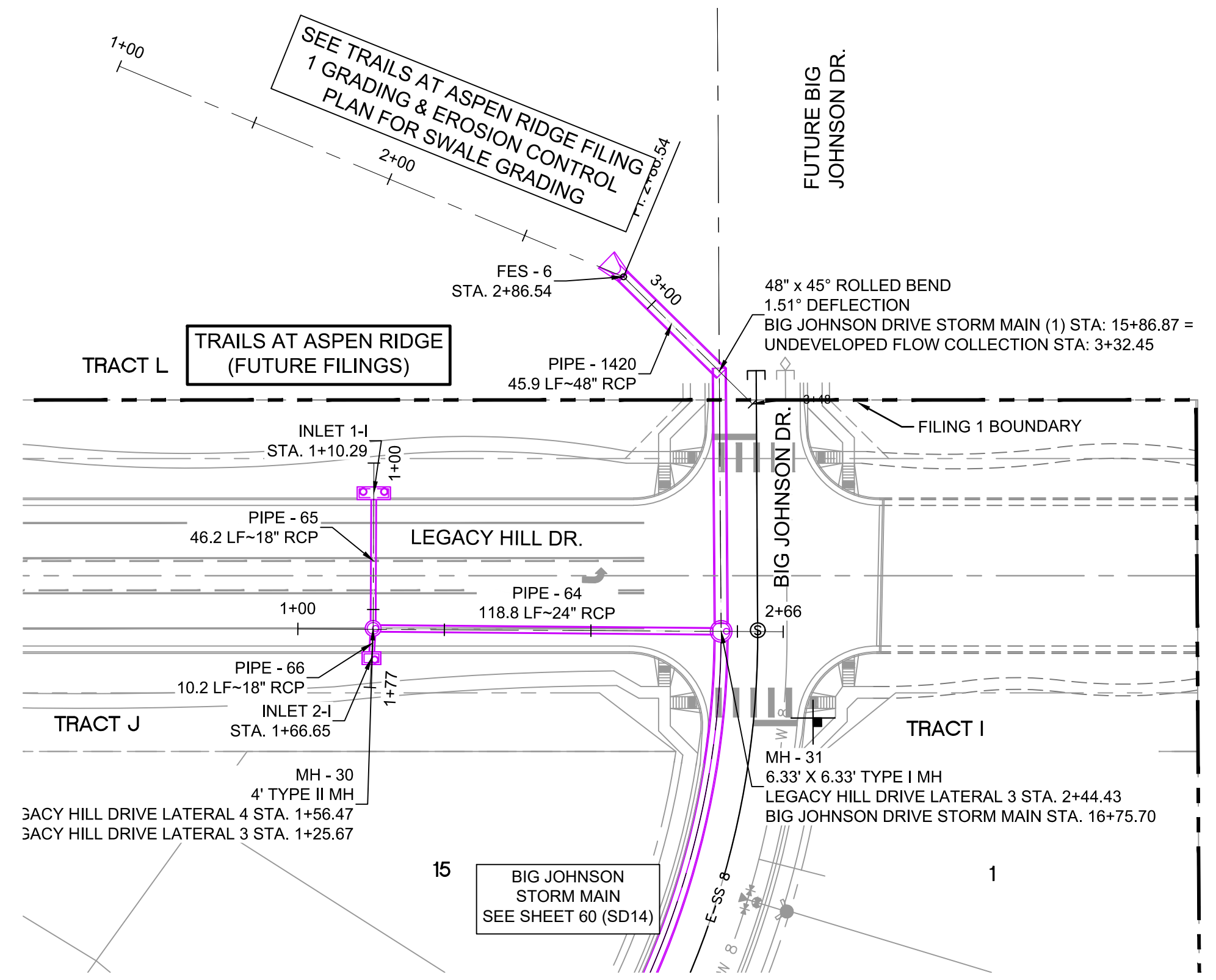
FILING NO. 1
ROADWAY & STORM IMPROVEMENT PLANS

STORM DRAIN PLAN & PROFILE
EPC 2/13/2020

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

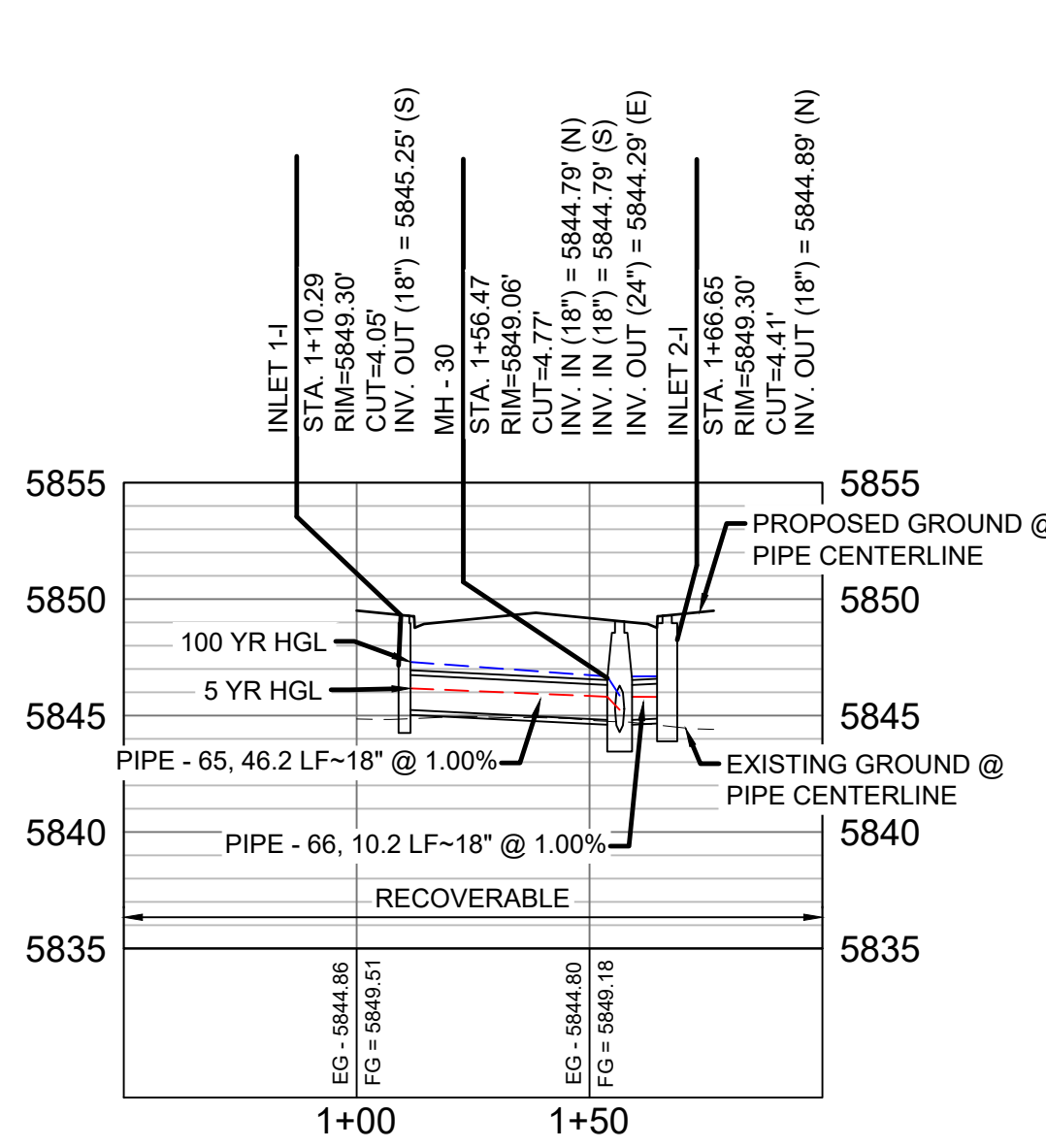


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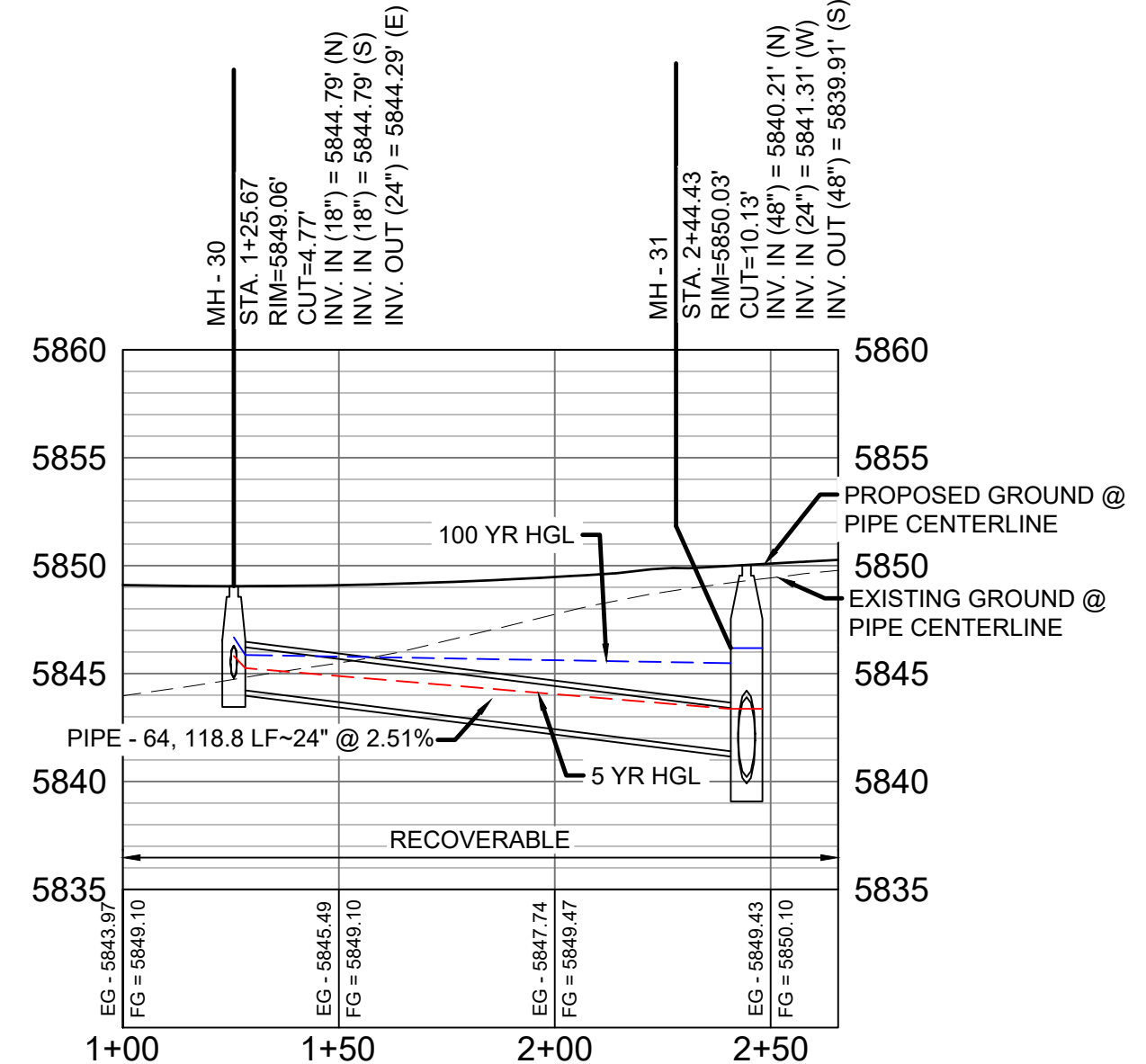


ENGINEERING RECORD DRAWINGS
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Nicole Schanel
 Date: 09/30/22
 NICOLE SCHANEL, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.

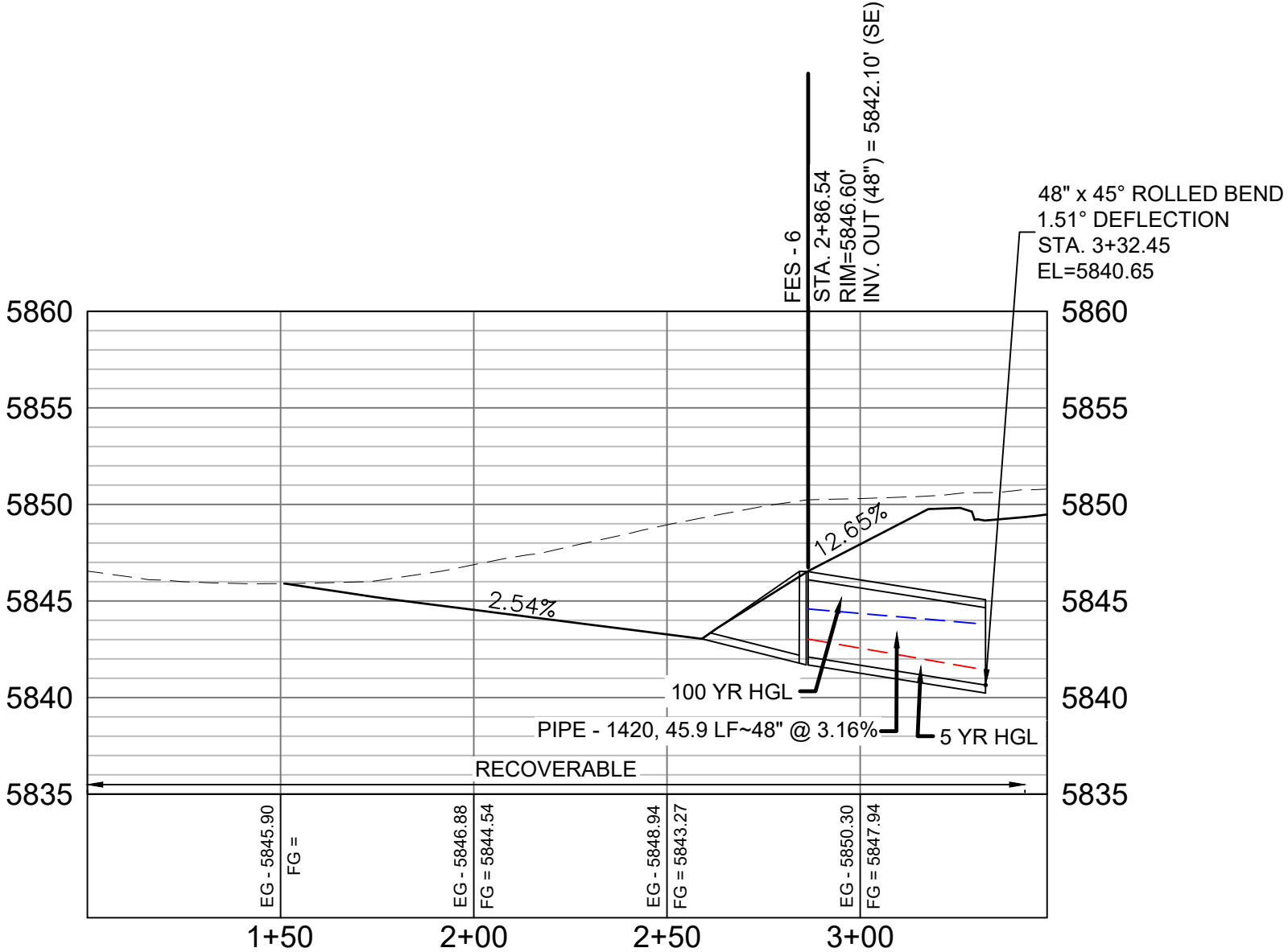
STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
FES - 6	48" FES	RIM = 5846.60 PIPE - 1420 INV OUT (48") = 5842.10	N: 6942.52 E: 13970.17
INLET 1-1	10' SUMP TYPE R INLET	RIM = 5849.30 PIPE - 65 INV OUT (18") = 5845.25	N: 6868.66 E: 13884.96
INLET 2-1	5' SUMP TYPE R INLET	RIM = 5849.30 PIPE - 66 INV OUT (18") = 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'



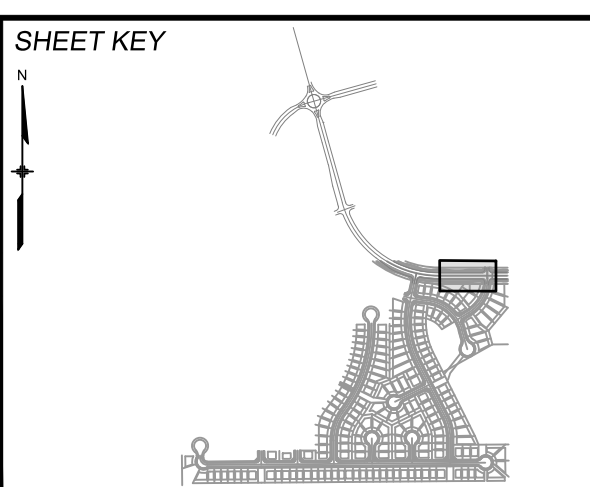
UNDEVELOPED FLOW COLLECTION PROFILE
 HORIZ. SCALE: 1" = 40'
 VERT. SCALE: 1" = 8'

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
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\SD13-14.dwg
 CTB FILE: ---
 PLOT DATE: January 23, 2020 11:53:26 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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TRAILS AT ASPEN RIDGE

FILING NO. 1
ROADWAY & STORM IMPROVEMENT PLANS

STORM DRAIN PLAN & PROFILE
 EPC 2/13/2020

DESIGNED BY: KMZ	SCALE: 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SD13
DRAWN BY: LCB	HORIZ. 1" = 40'	SHEET 59 OF 73	
CHECKED BY: NMS	VERT. 1" = 8'		

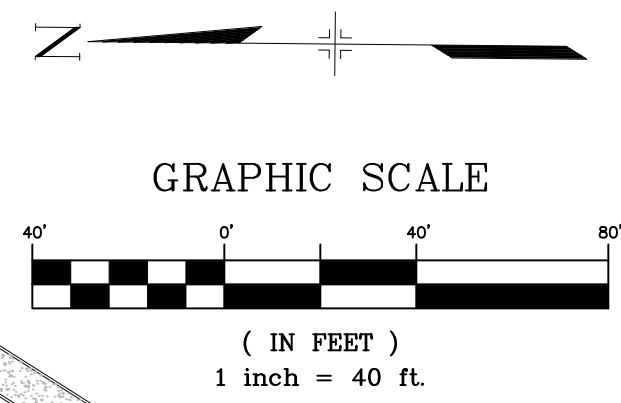
FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.
 PROJECT No. 19.886.011



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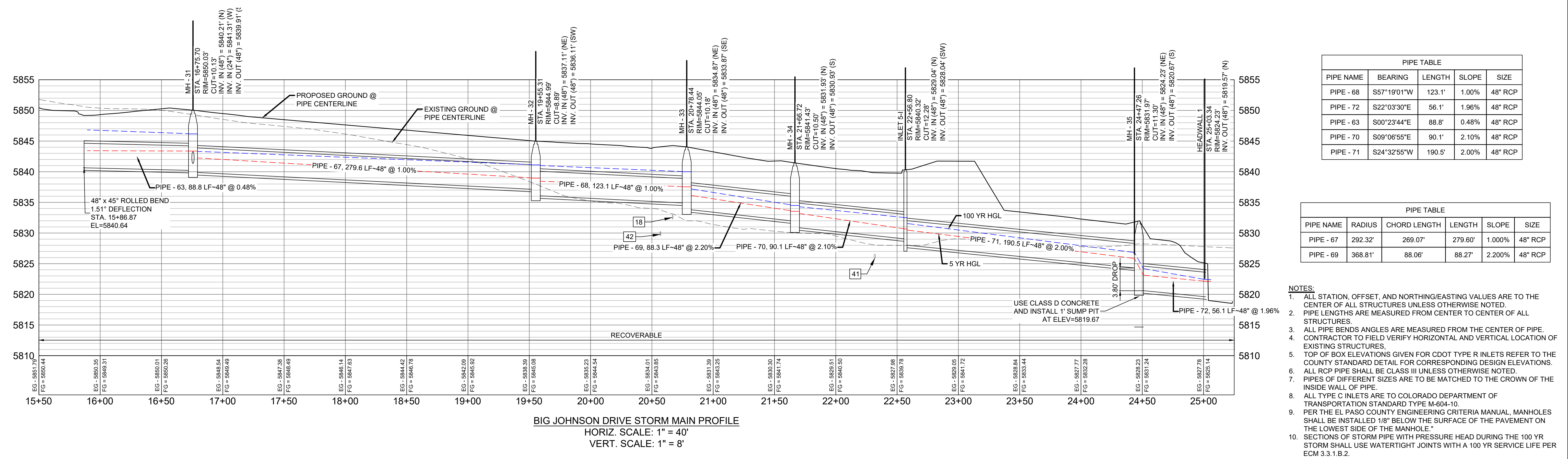
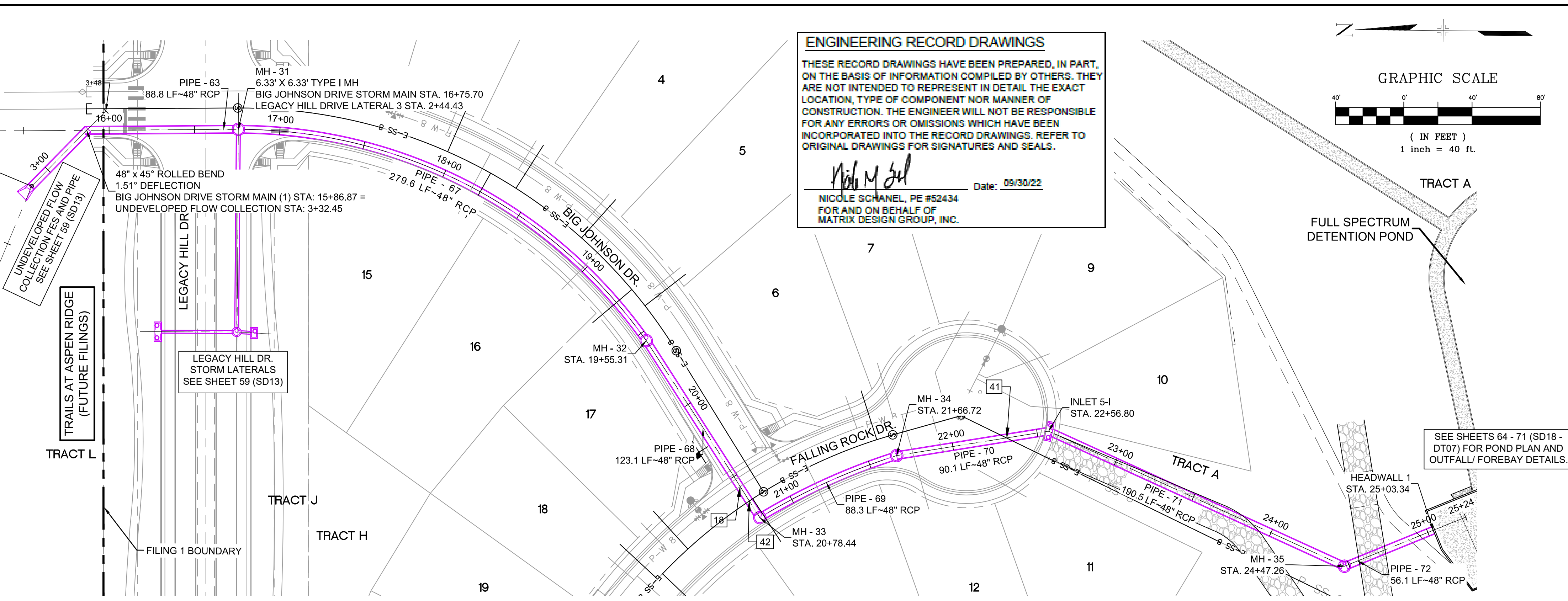
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Nicole M. Schanel
 Nicole Schanel, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.
 Date: 09/30/22



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

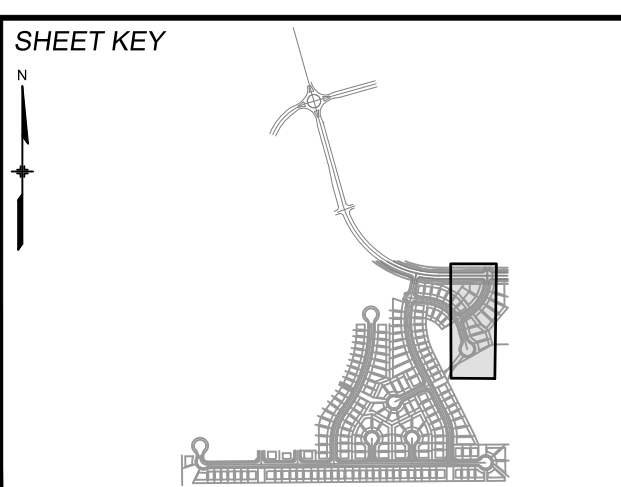


PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 68	S57°19'01"W	123.1'	1.00%	48" RCP
PIPE - 72	S22°03'30"E	56.1'	1.96%	48" RCP
PIPE - 63	S00°23'44"E	88.8'	0.48%	48" RCP
PIPE - 70	S09°06'55"E	90.1'	2.10%	48" RCP
PIPE - 71	S24°32'55"W	190.5'	2.00%	48" RCP

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

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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\SD13-14.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 11:53:40 AM			
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PREPARED BY:
Matrix DESIGN GROUP



TRAILS AT ASPEN RIDGE

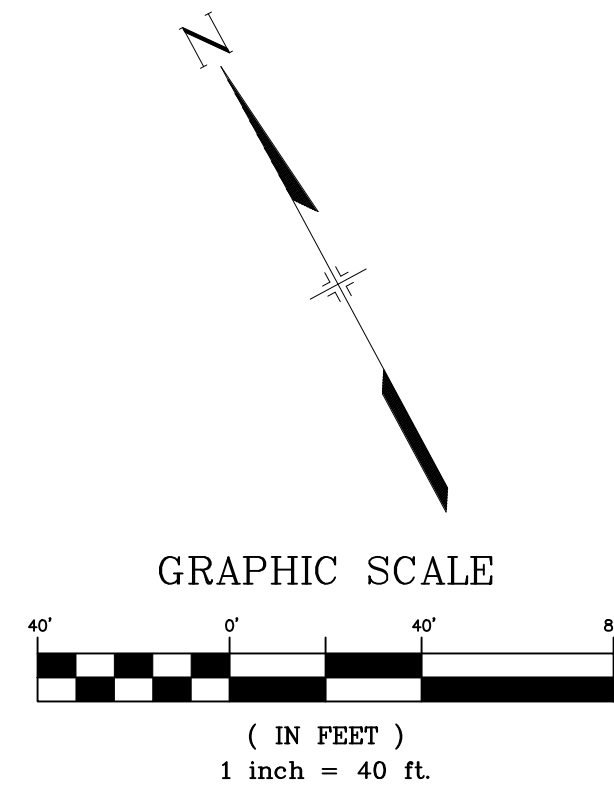
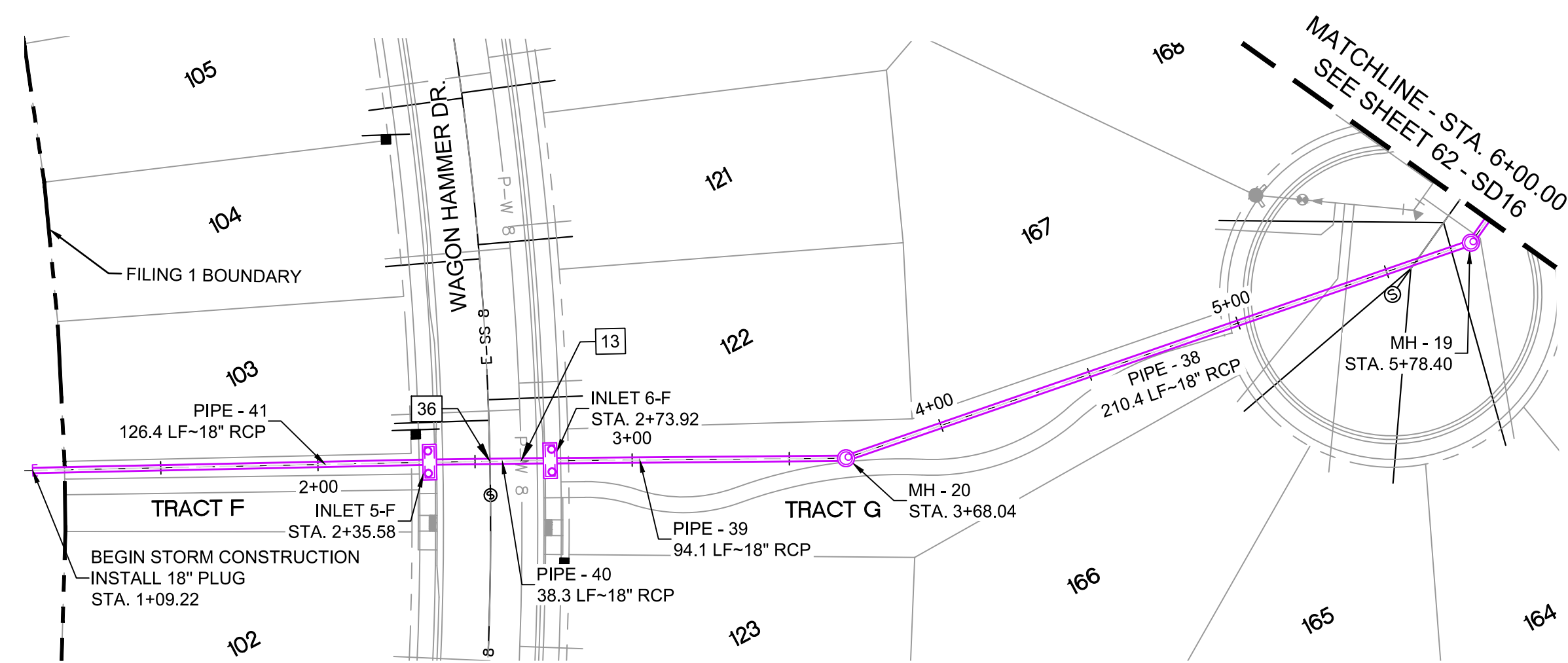
FILING NO. 1
 ROADWAY & STORM IMPROVEMENT PLANS

STORM DRAIN PLAN & PROFILE
 EPC 2/13/2020

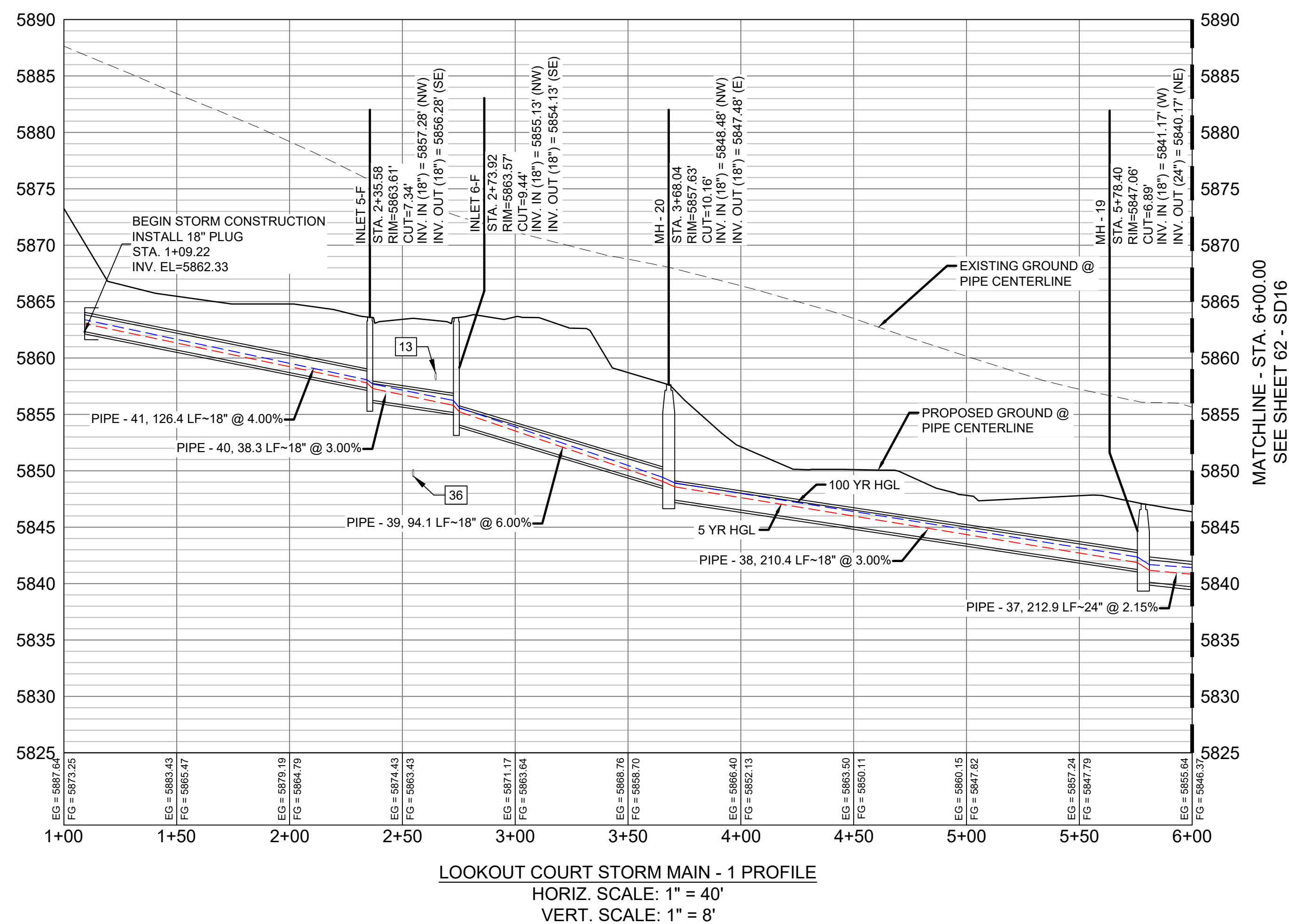
DESIGNED BY: KMZ	SCALE: HORIZ 1" = 40'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SD14
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 60 OF 73	



Know what's below.
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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	5854.56	



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

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

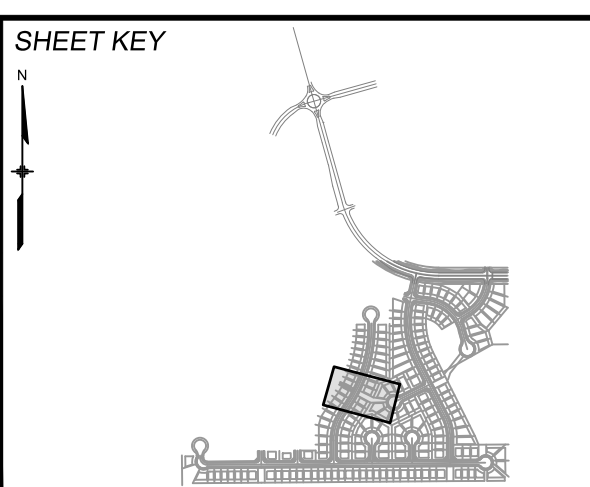
ENGINEERING RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS. REFER TO ORIGINAL DRAWINGS FOR SIGNATURES AND SEALS.

Nicole Schanel
Date: 09/30/22
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.

- 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.
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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.

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.			



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

STORM DRAIN PLAN & PROFILE
EPC 2/13/2020

DESIGNED BY: KMZ	SCALE:	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. SD15
DRAWN BY: LCB	HORIZ. N.A.	SHEET 61 OF 73	
CHECKED BY: NMS	VERT. N.A.		

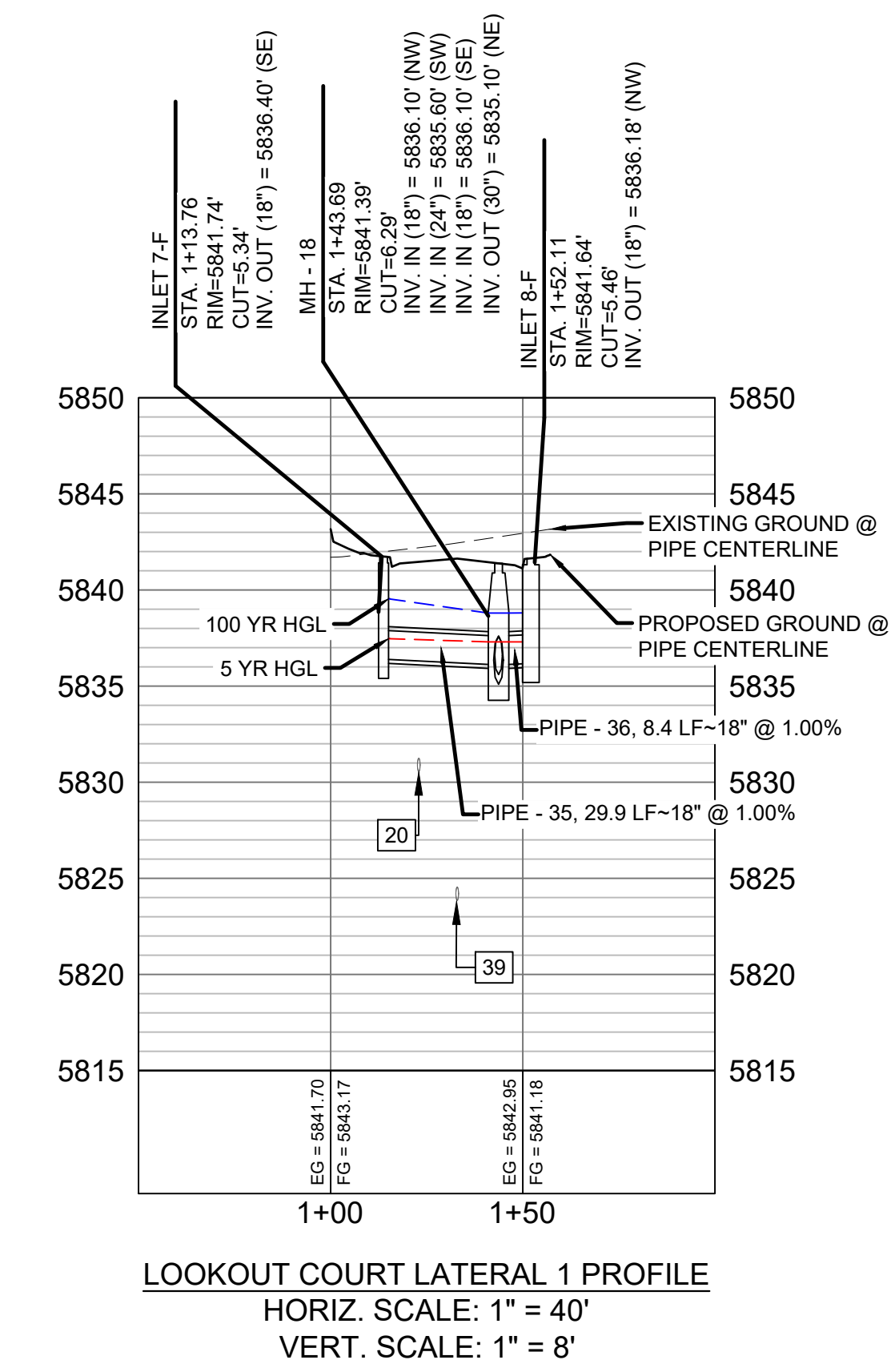
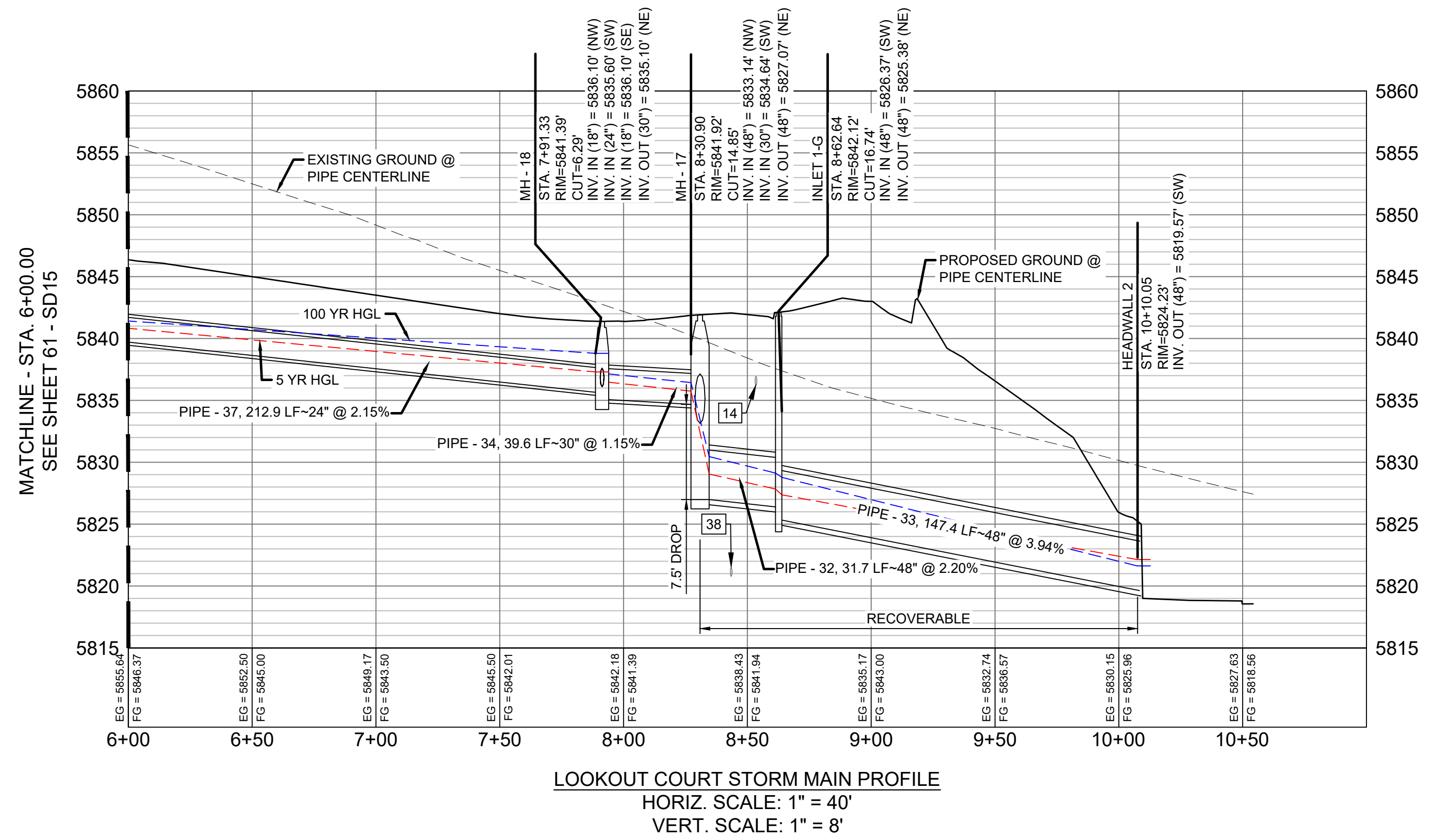
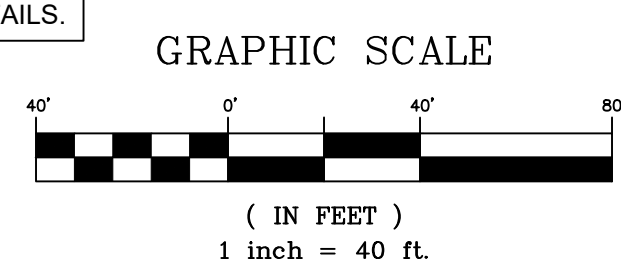
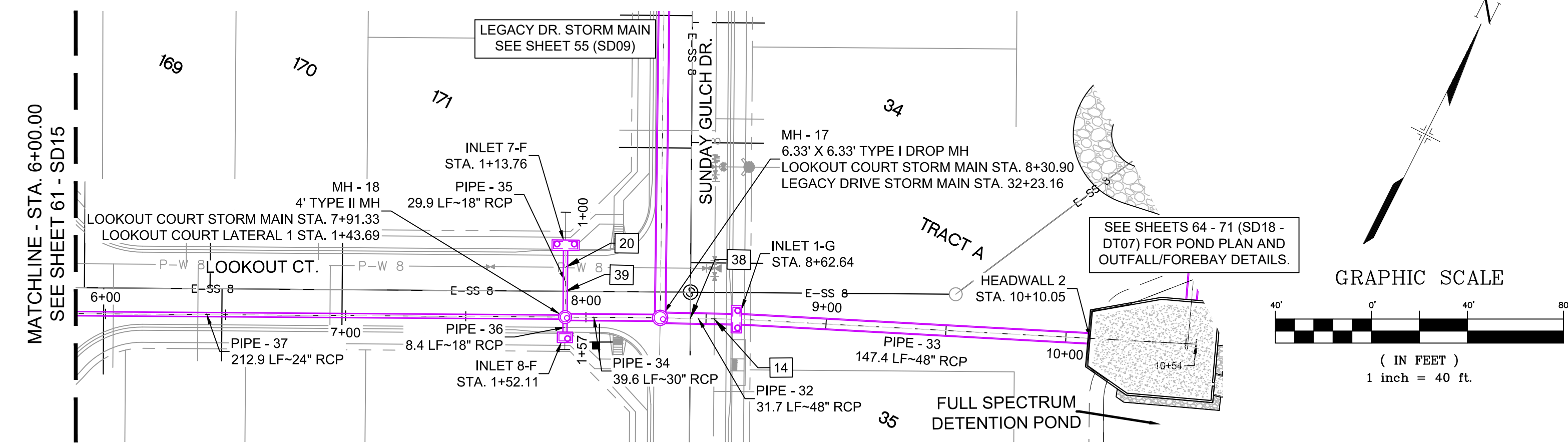


Know what's below.
Call before you dig.

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'

ENGINEERING RECORD DRAWINGS
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 Date: 09/30/22
 Nicole Schanel, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.

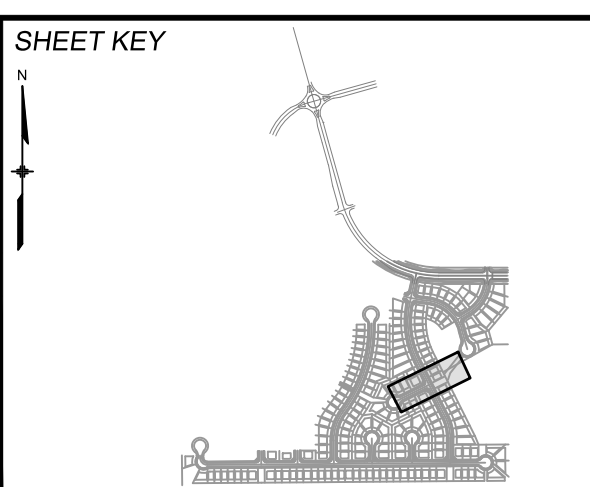
STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
HEADWALL 2	24'-5 1/8" HEADWALL	RIM = 5824.23 PIPE - 33 INV IN (48") = 5819.57	N: 6088.17 E: 13738.21
INLET 1-G	10' ON-GRADE TYPE R INLET (1' DROP)	RIM = 5842.12 PIPE - 32 INV IN (48") = 5826.37 PIPE - 33 INV OUT (48") = 5825.38	N: 6028.42 E: 13603.45
INLET 7-F	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			
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PLOT DATE: January 23, 2020 11:57:47 AM			
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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
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TRAILS AT ASPEN RIDGE

FILING NO. 1
 ROADWAY & STORM IMPROVEMENT PLANS

STORM DRAIN PLAN & PROFILE
 EPC 2/13/2020

DESIGNED BY: KMZ
 DRAWN BY: LCB
 CHECKED BY: NMS

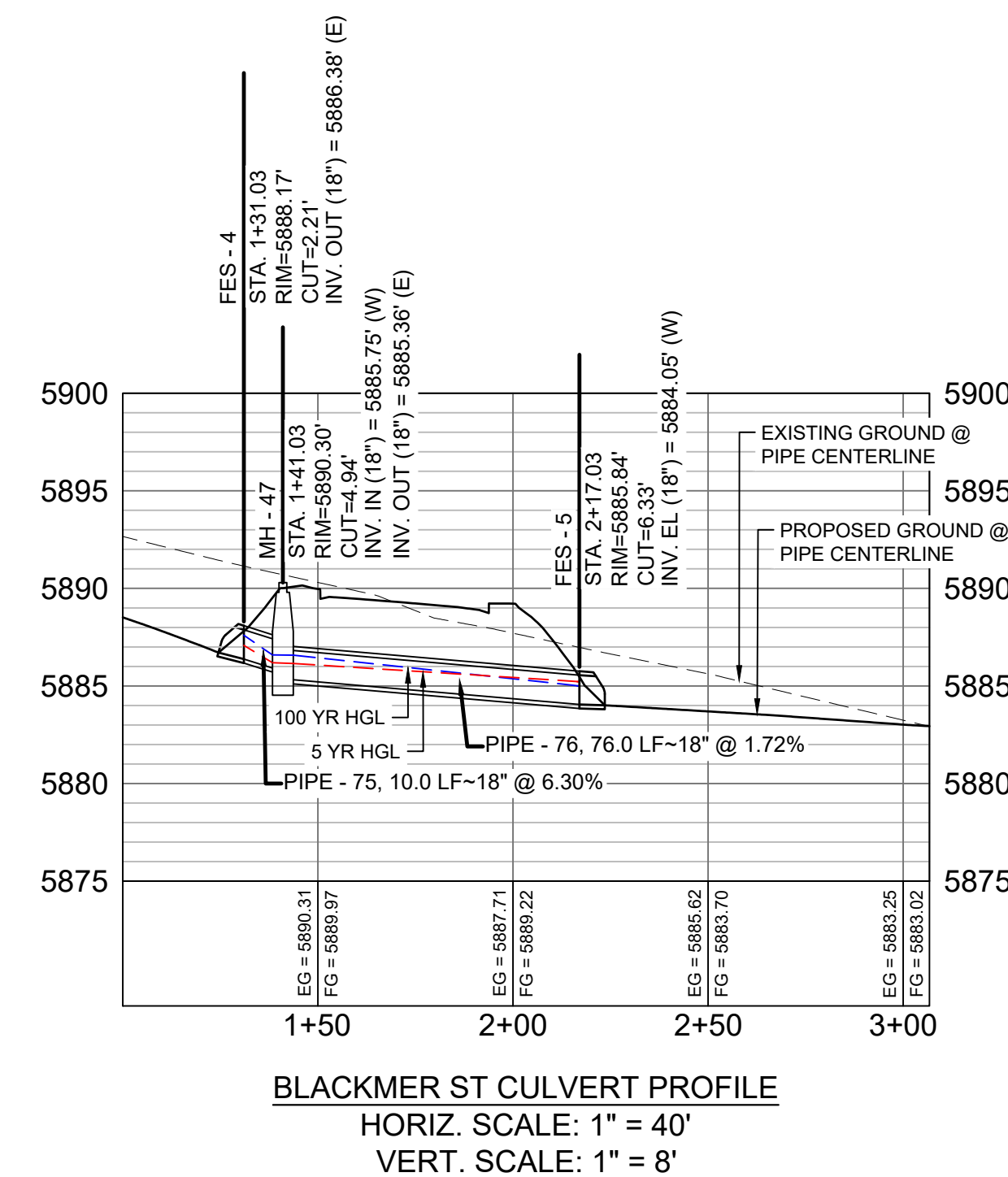
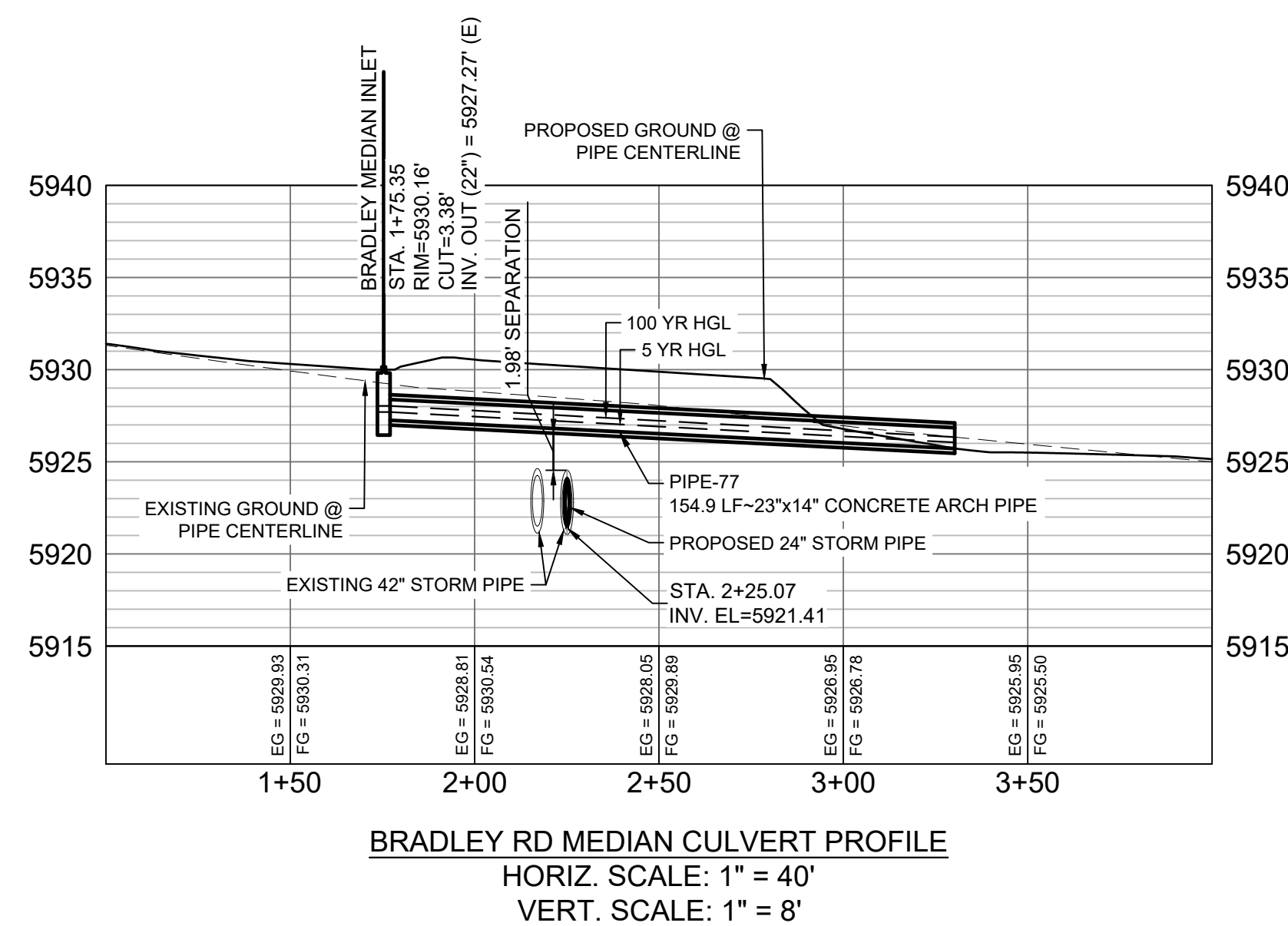
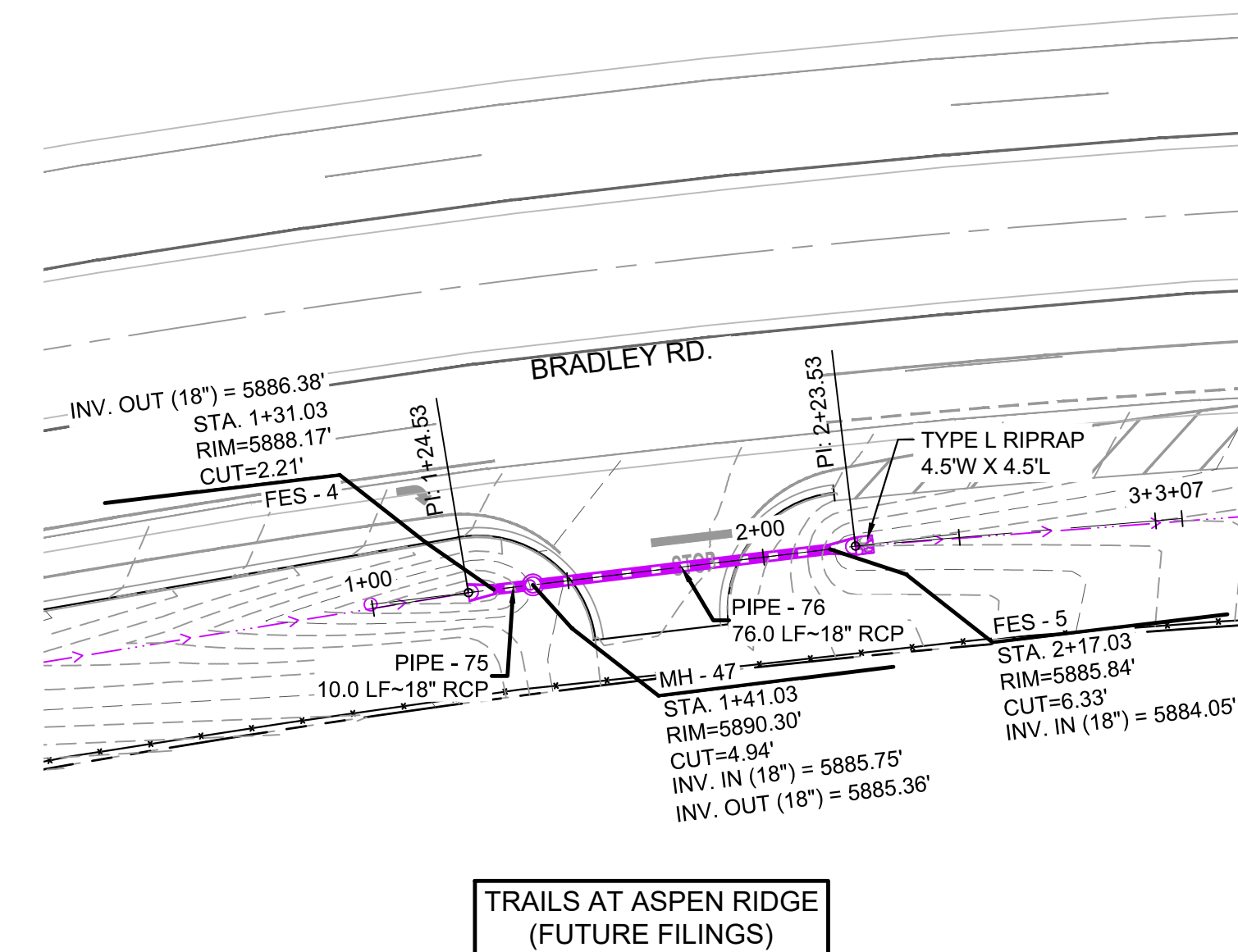
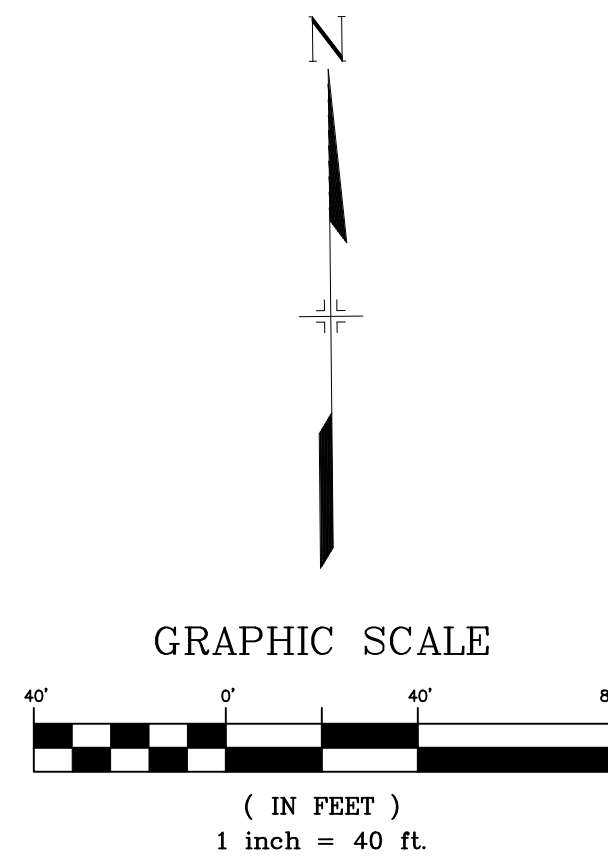
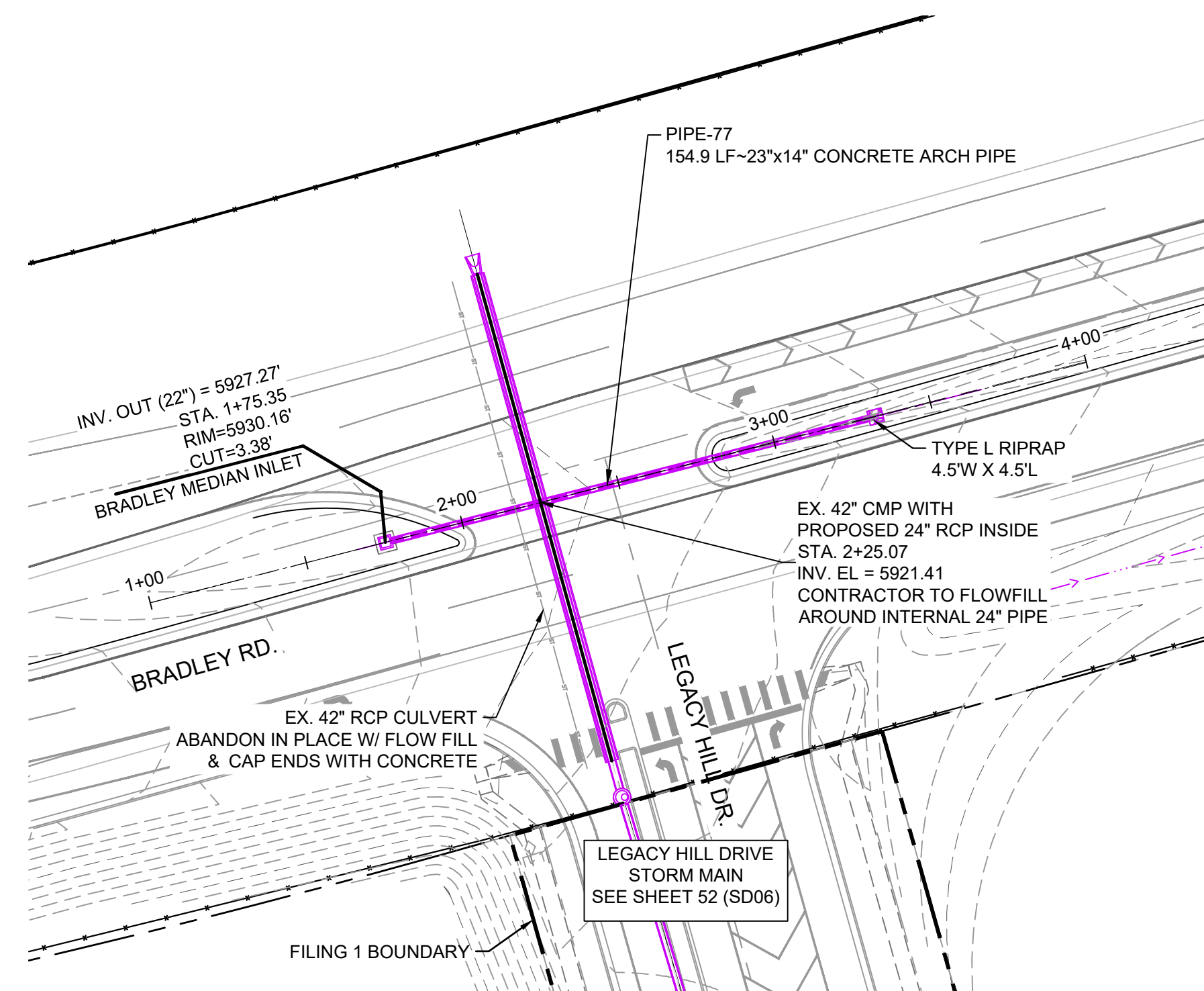
SCALE: 1" = 40'
 1" = 8'

DATE ISSUED: SEPTEMBER, 2019
 SHEET: 62 OF 73

DRAWING No. SD16



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ENGINEERING RECORD DRAWINGS

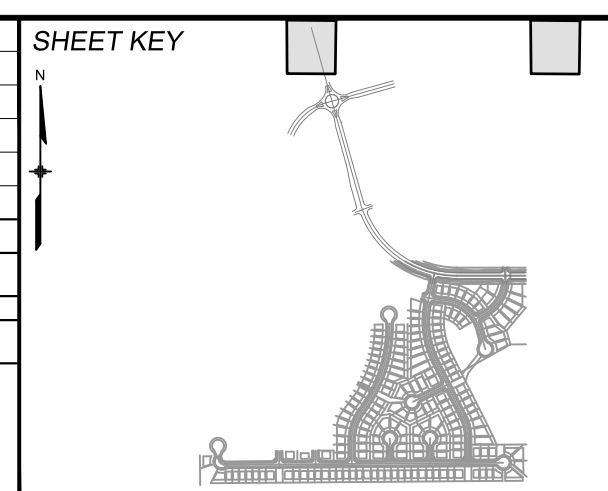
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Nicole Schanel
Date: 09/30/22

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

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No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
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PLOT DATE: January 23, 2020 12:01:25 PM			
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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

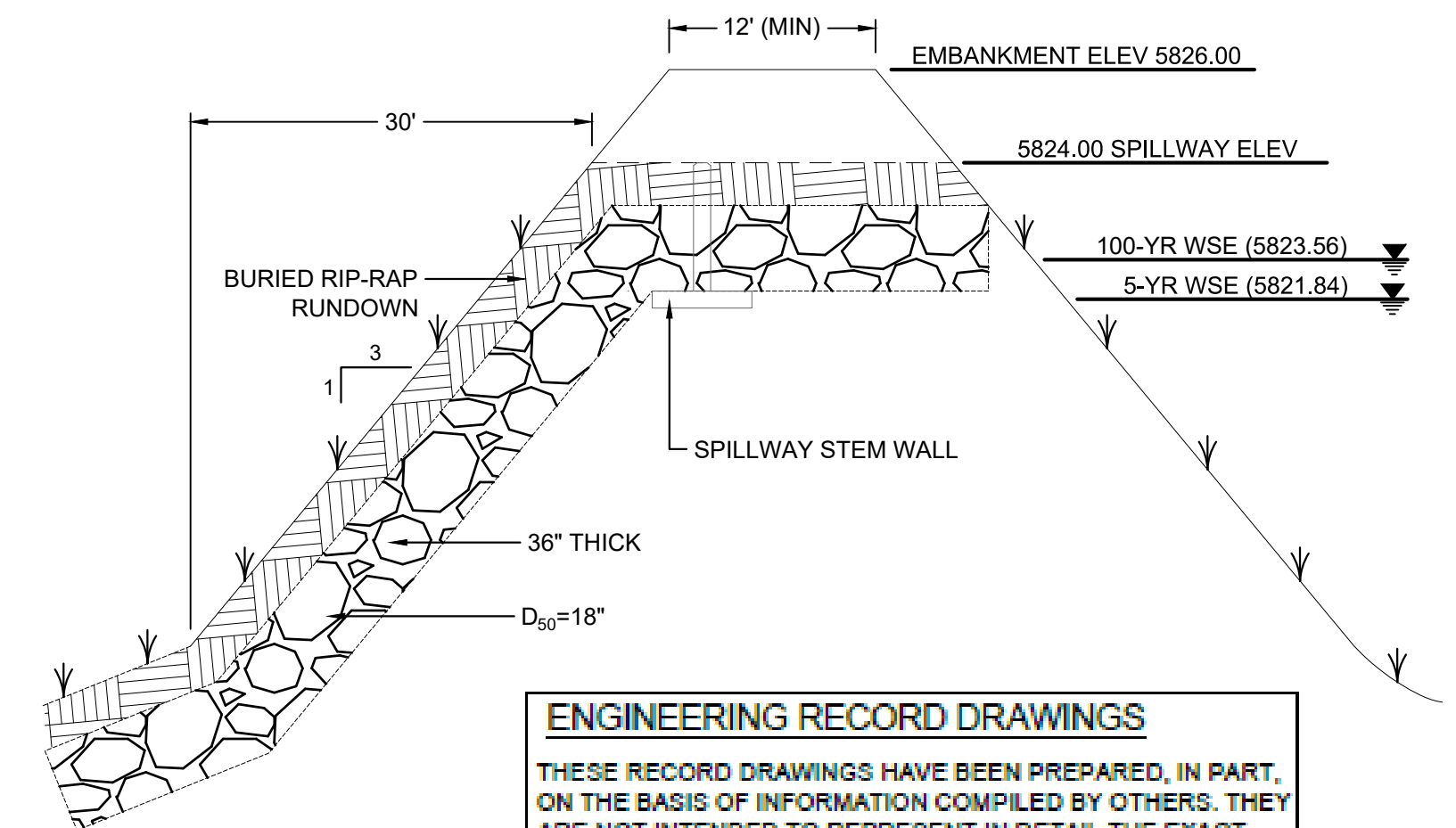
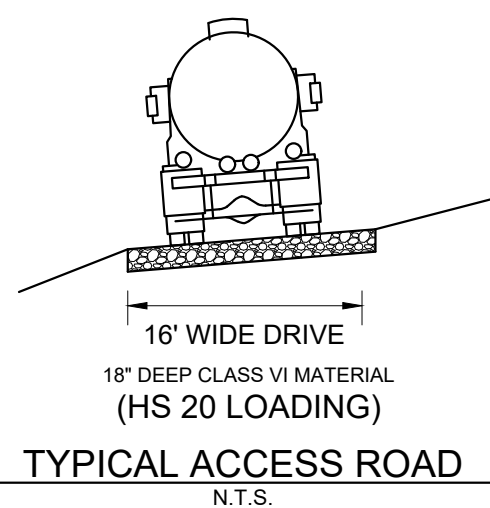
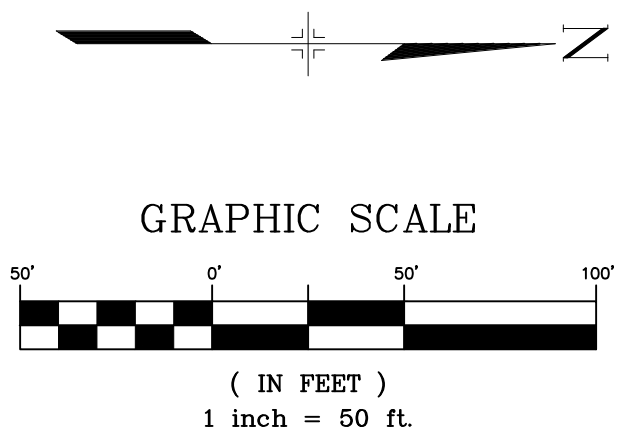
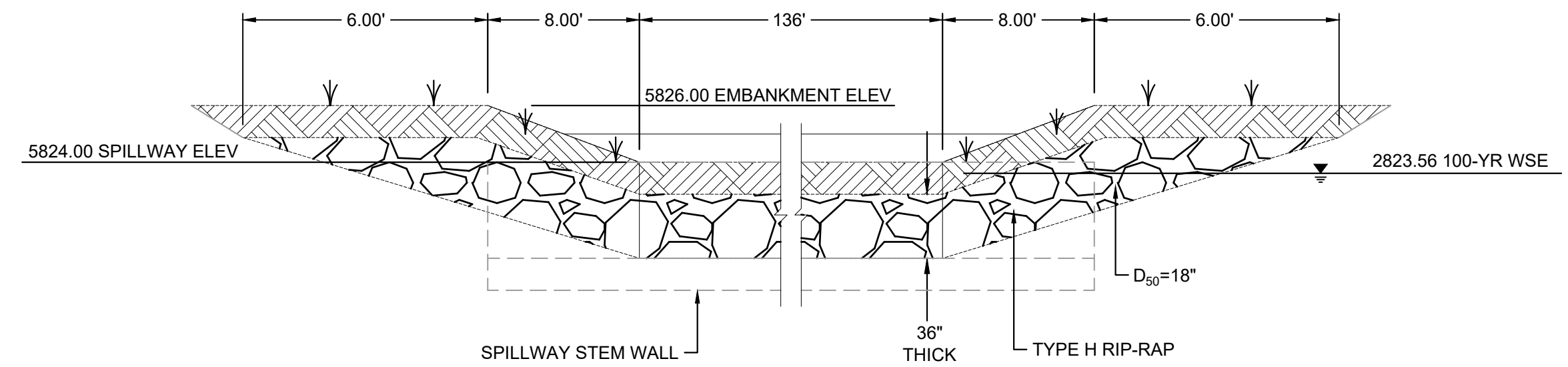
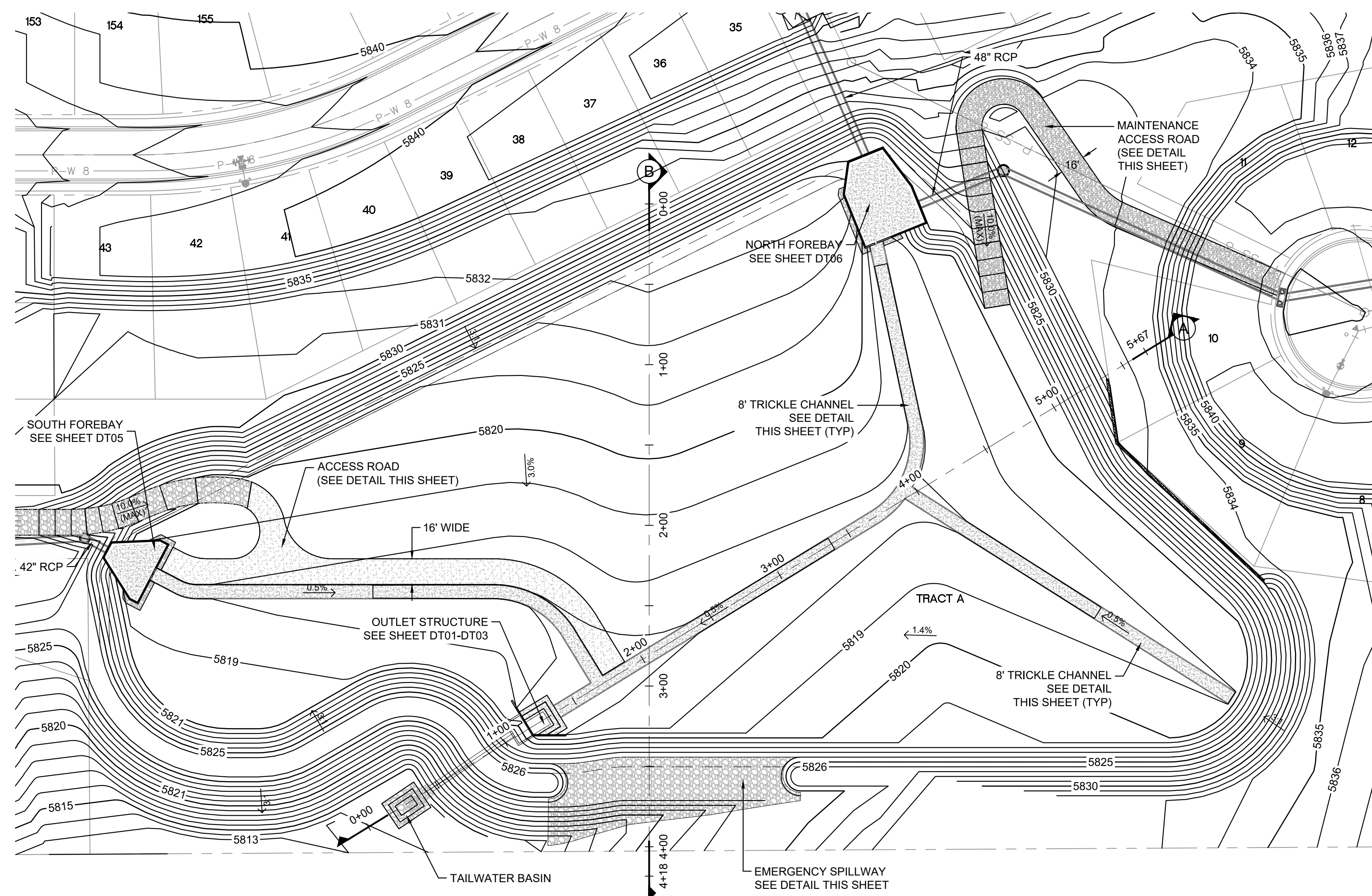
STORM DRAIN PLAN & PROFILE

EPC 2/13/2020

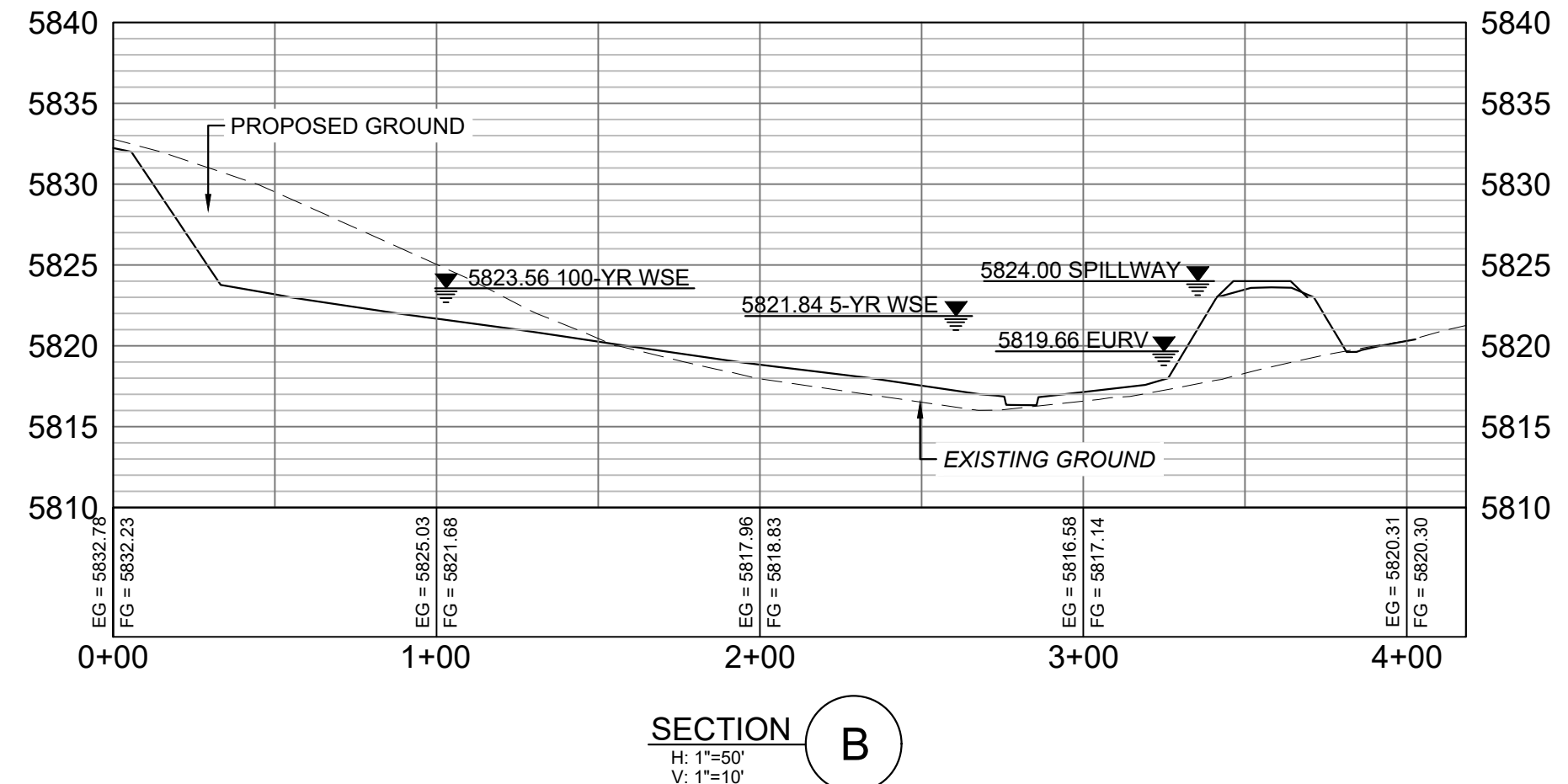
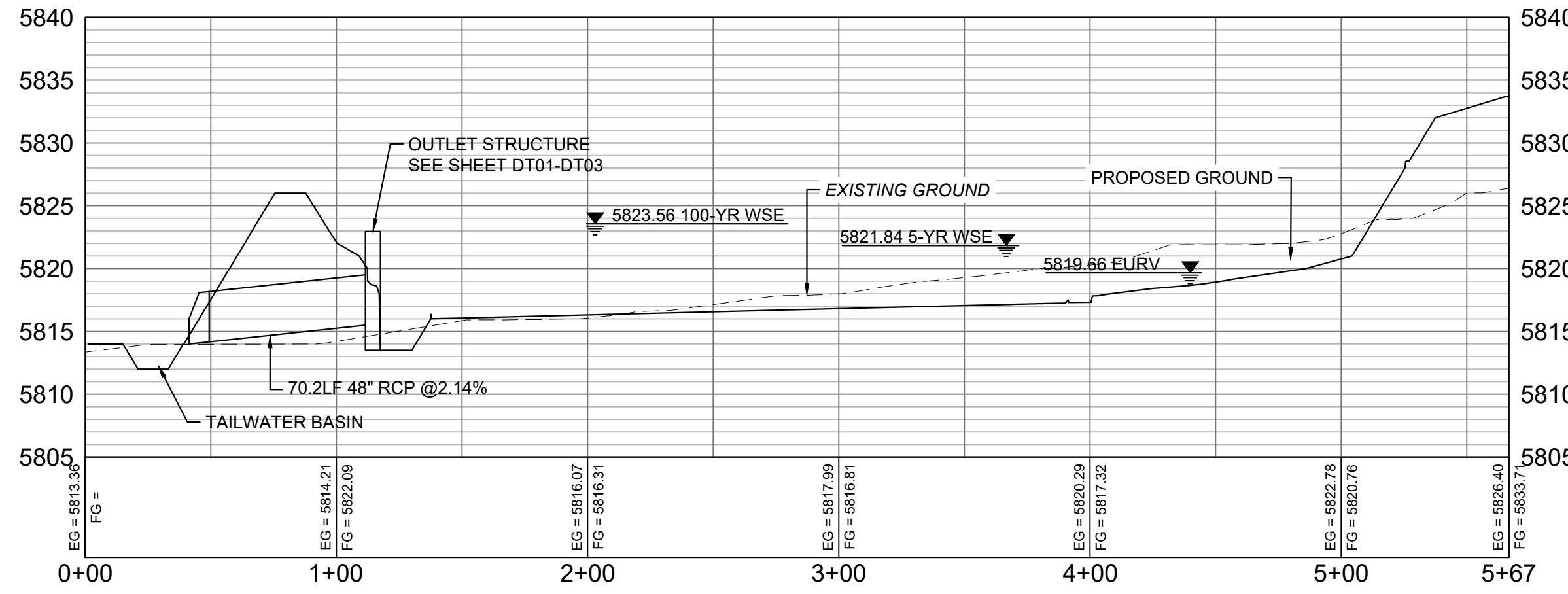
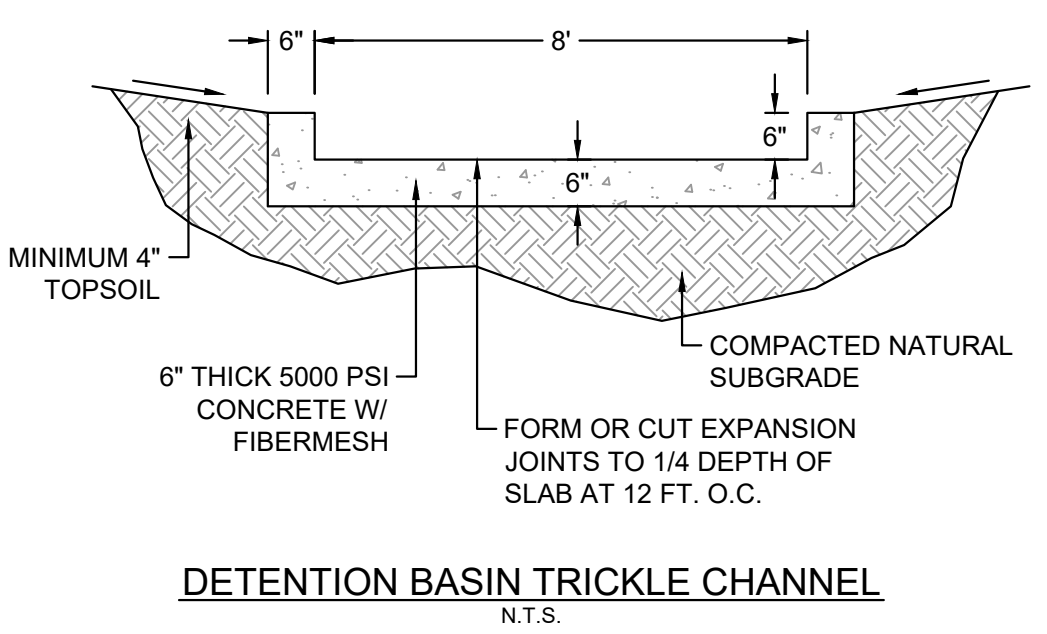
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DRAWN BY: LCB	HORIZ. 1" = 40'	SHEET 63 OF 73	
CHECKED BY: NMS	VERT. 1" = 8'		



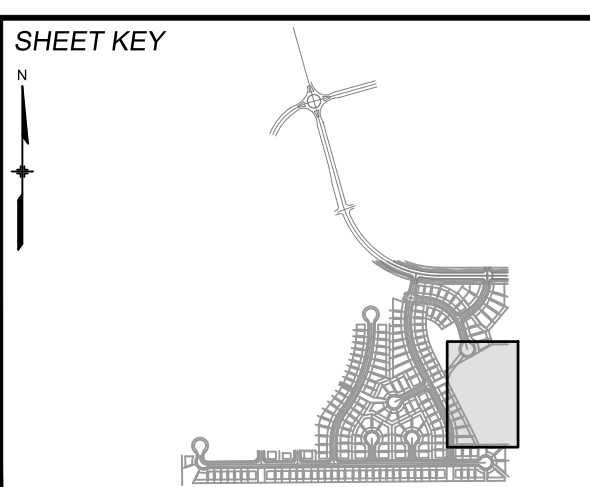
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Call before you dig.



ENGINEERING RECORD DRAWINGS
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 Nicole Schanel, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.
 Date: 09/30/22



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\DF01-DF04.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
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PREPARED BY:
Matrix
 DESIGN GROUP



TRAILS AT ASPEN RIDGE

FILING NO. 1
 ROADWAY & STORM IMPROVEMENT PLANS

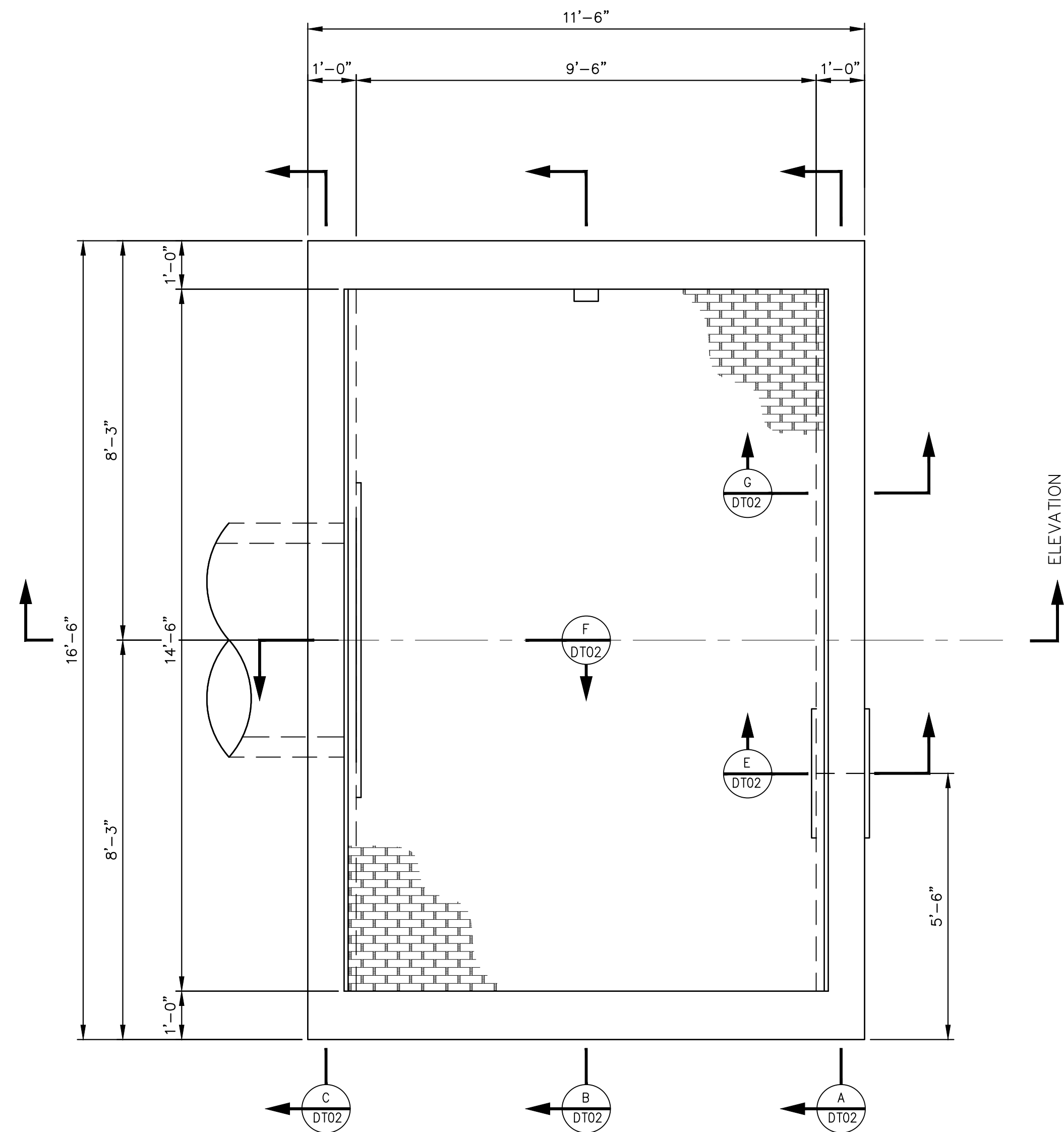
POND LAYOUT

EPC 2/13/2020

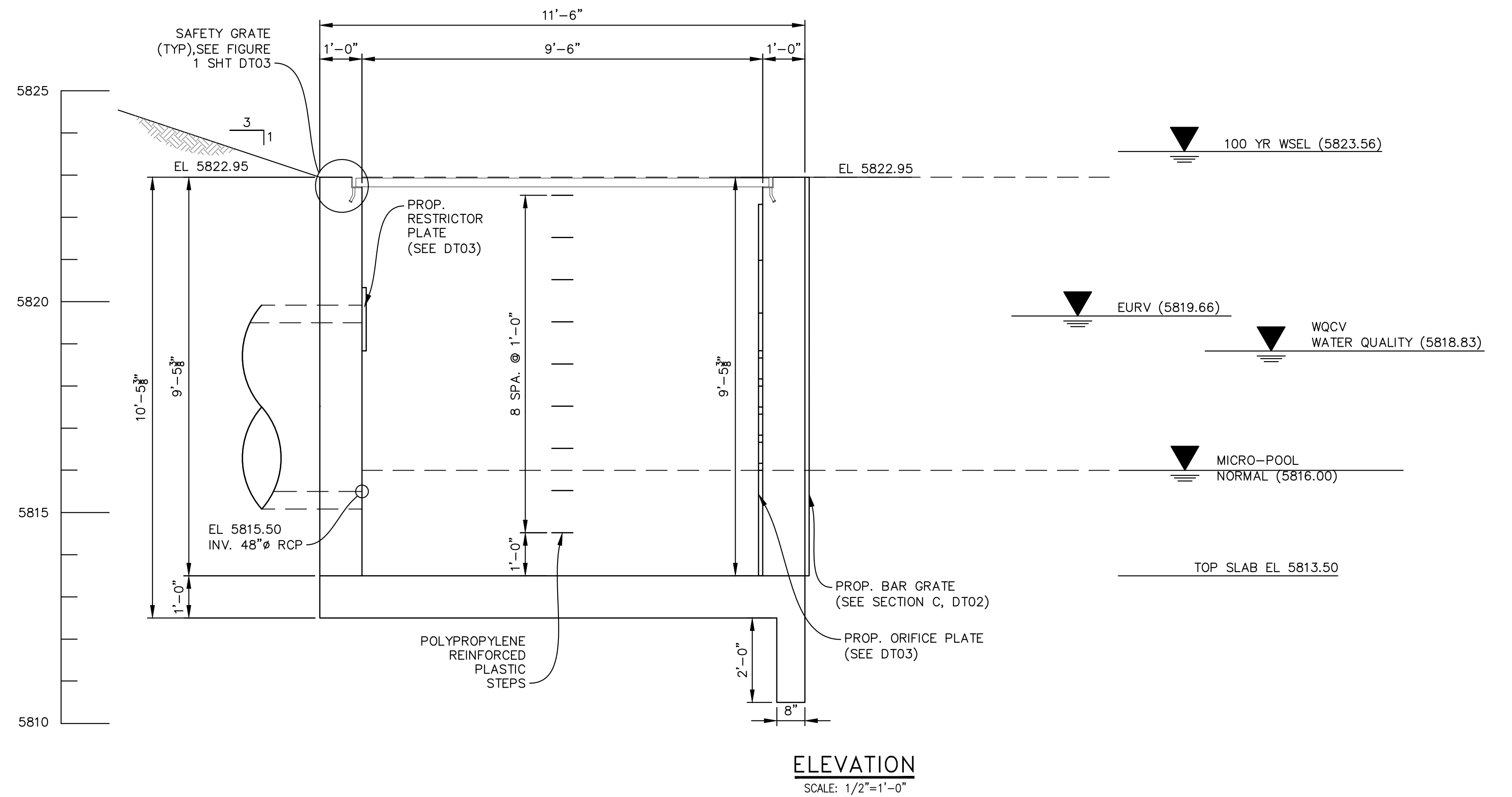
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DRAWN BY: TJC	VERT. 1" = 10'	SHEET 64 OF 73	
CHECKED BY: NMS			



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

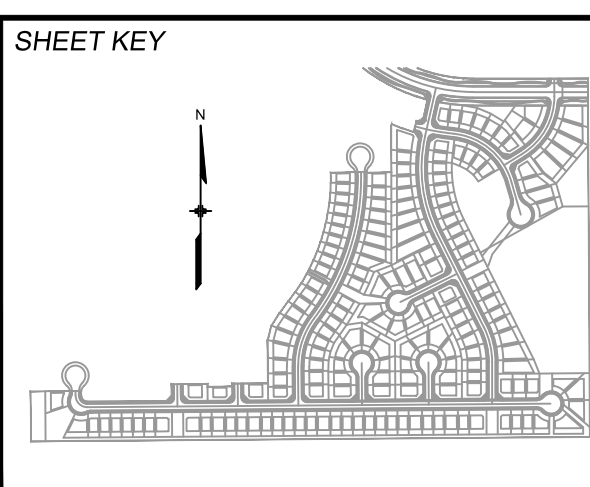


ELEVATION
SCALE: 1/2"=1'-0"

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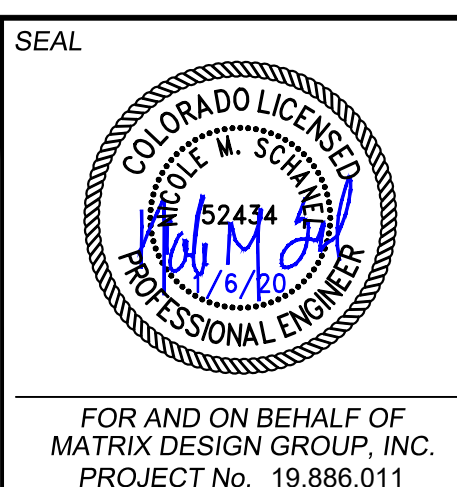
Nicole M. Schanel
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC. Date: 09/30/22

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\Structures\Outlet Structure 1.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.
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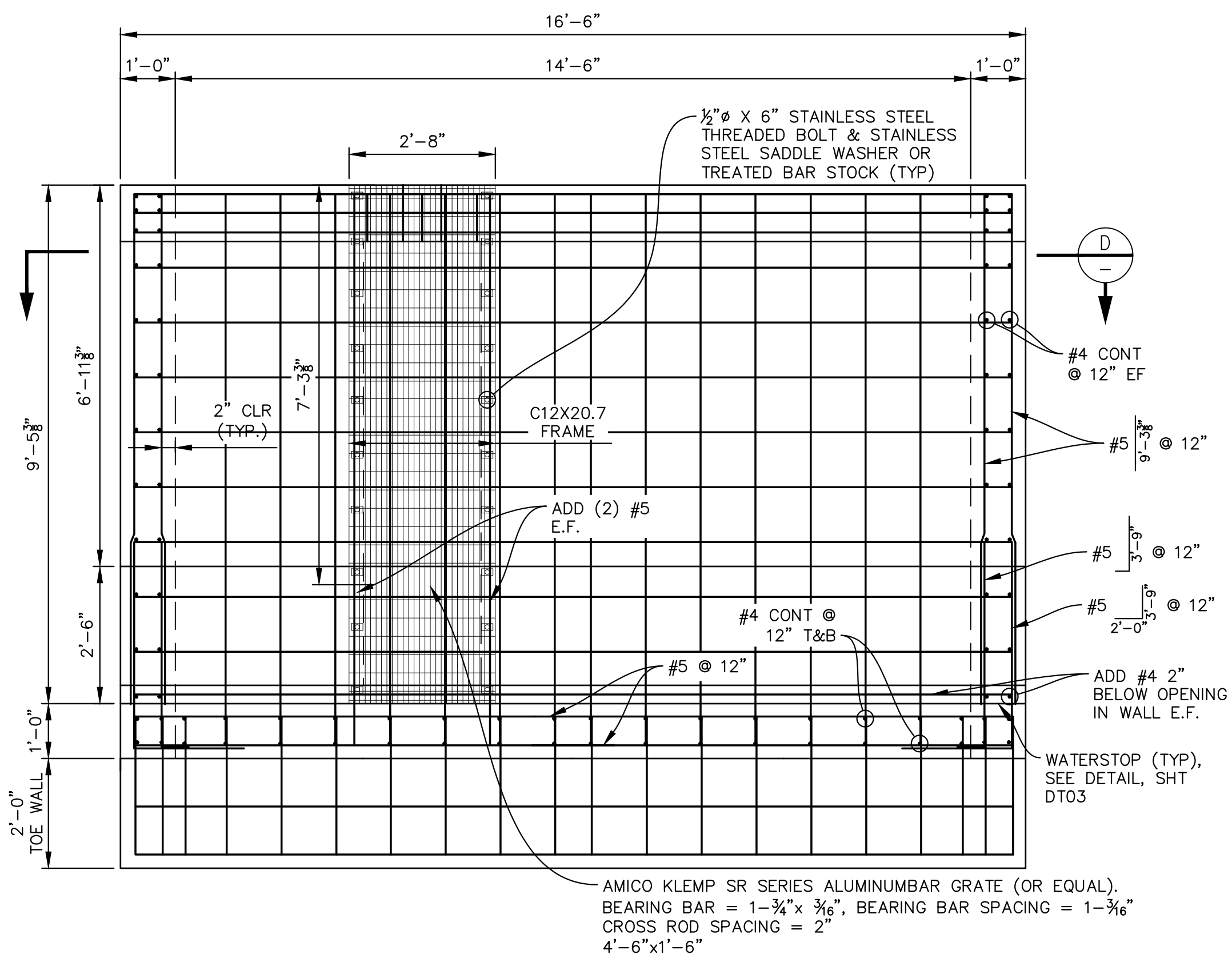
BASIS OF BEARING
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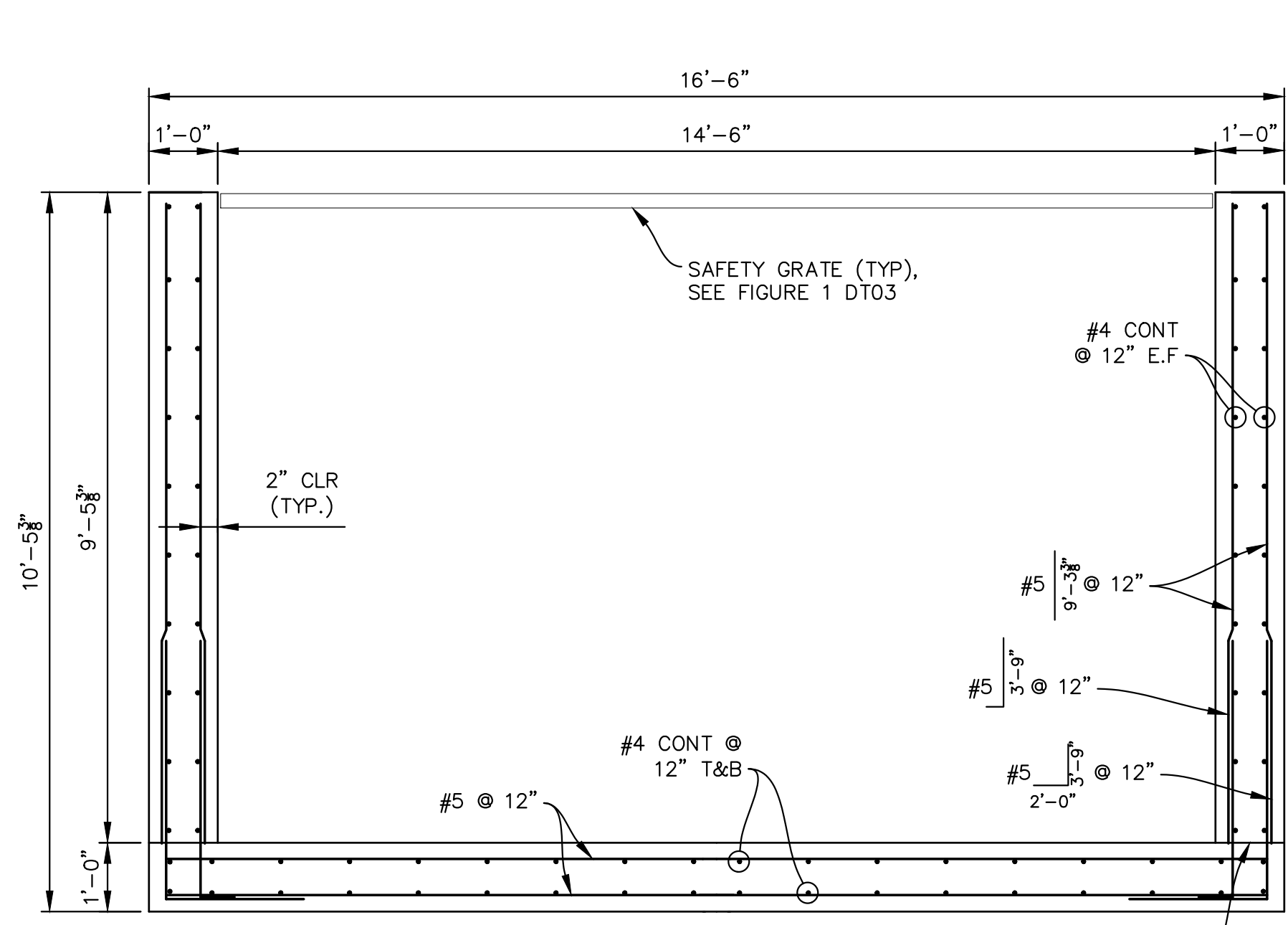
TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
OUTLET STRUCTURE DETAILS - 1 EPC 2/13/2020			
DESIGNED BY: AAC	SCALE: N.A.	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. DT01
CHECKED BY: KSL	HORIZ. N.A.	SHEET 65 OF 73	



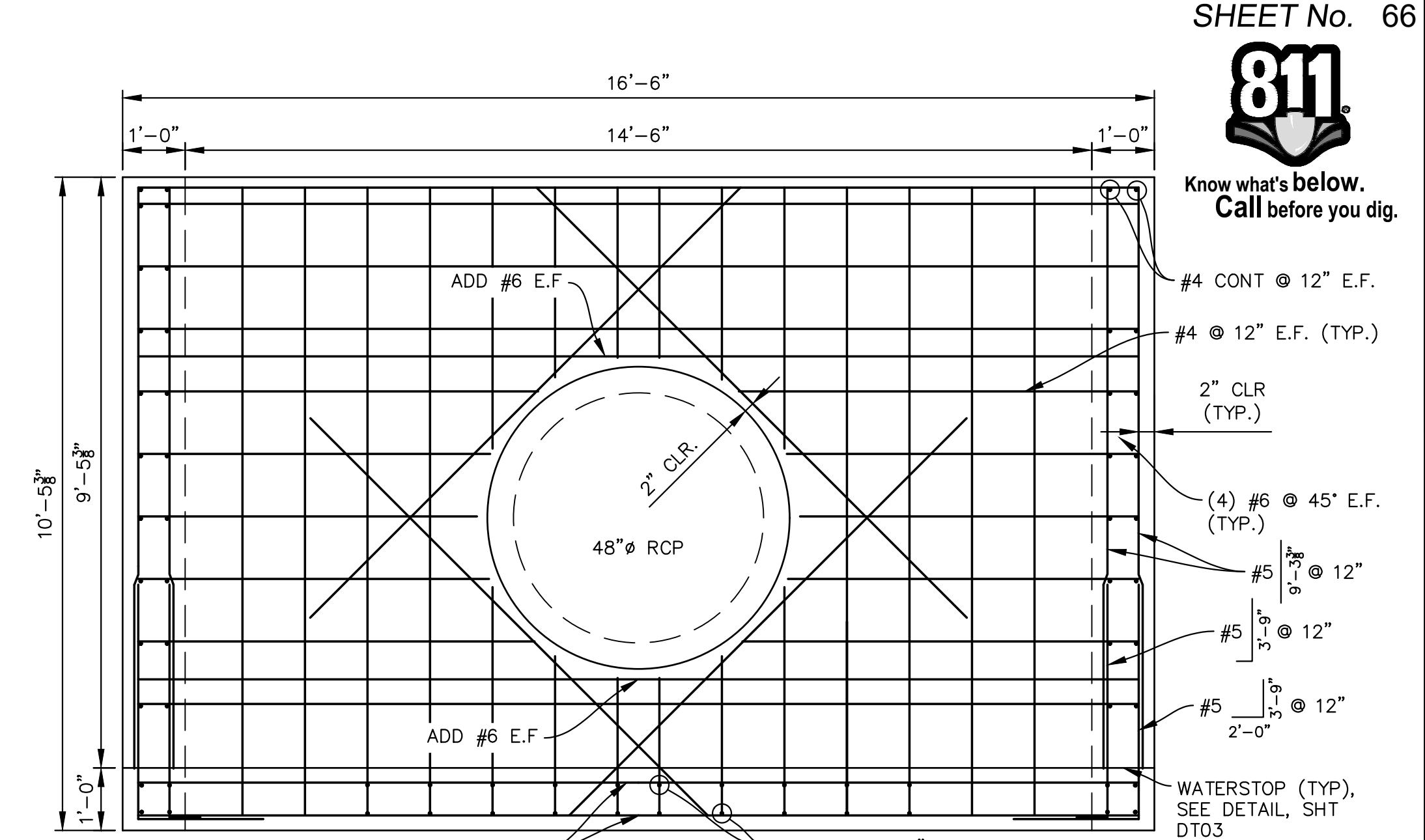
Know what's below. Call before you dig.



SECTION A
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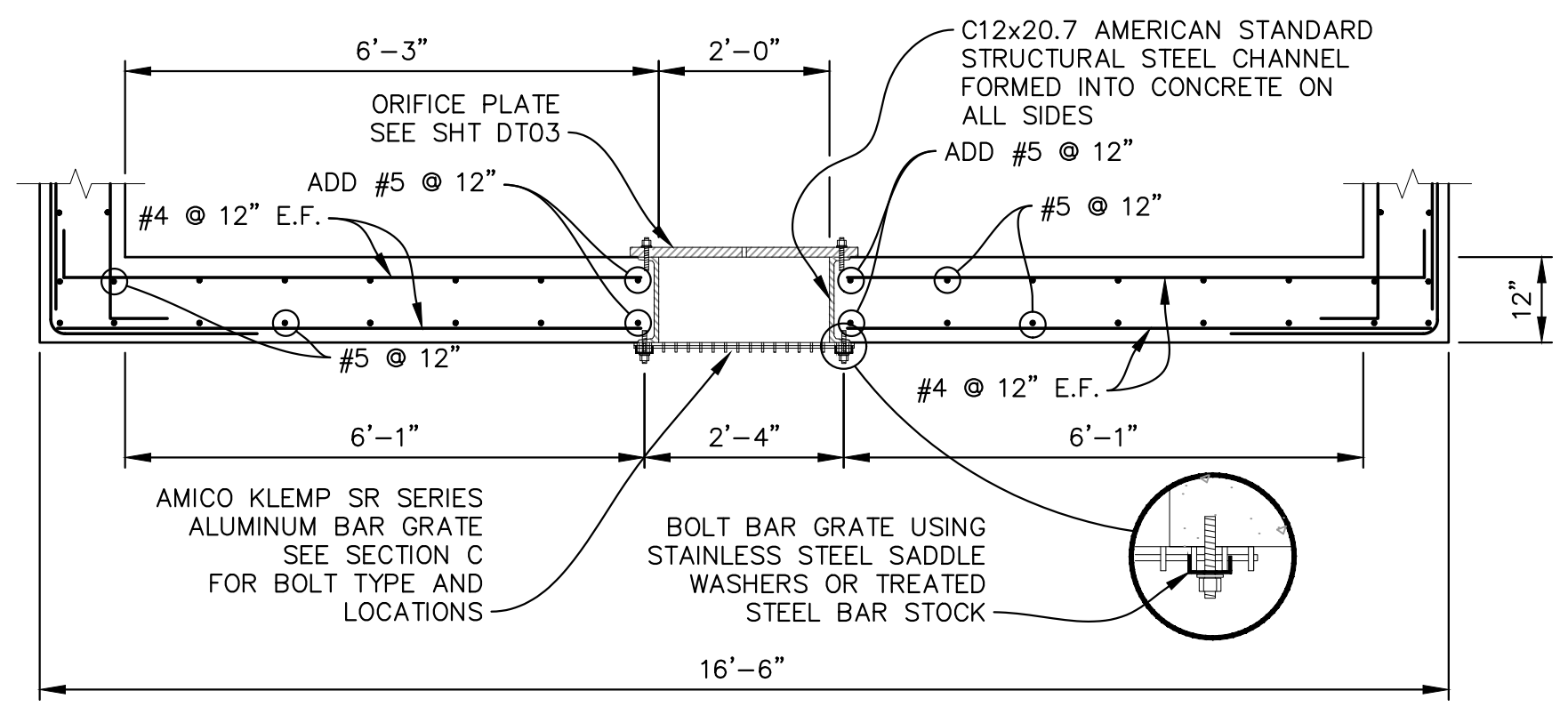


SECTION B
SCALE: 1/2"=1'-0"

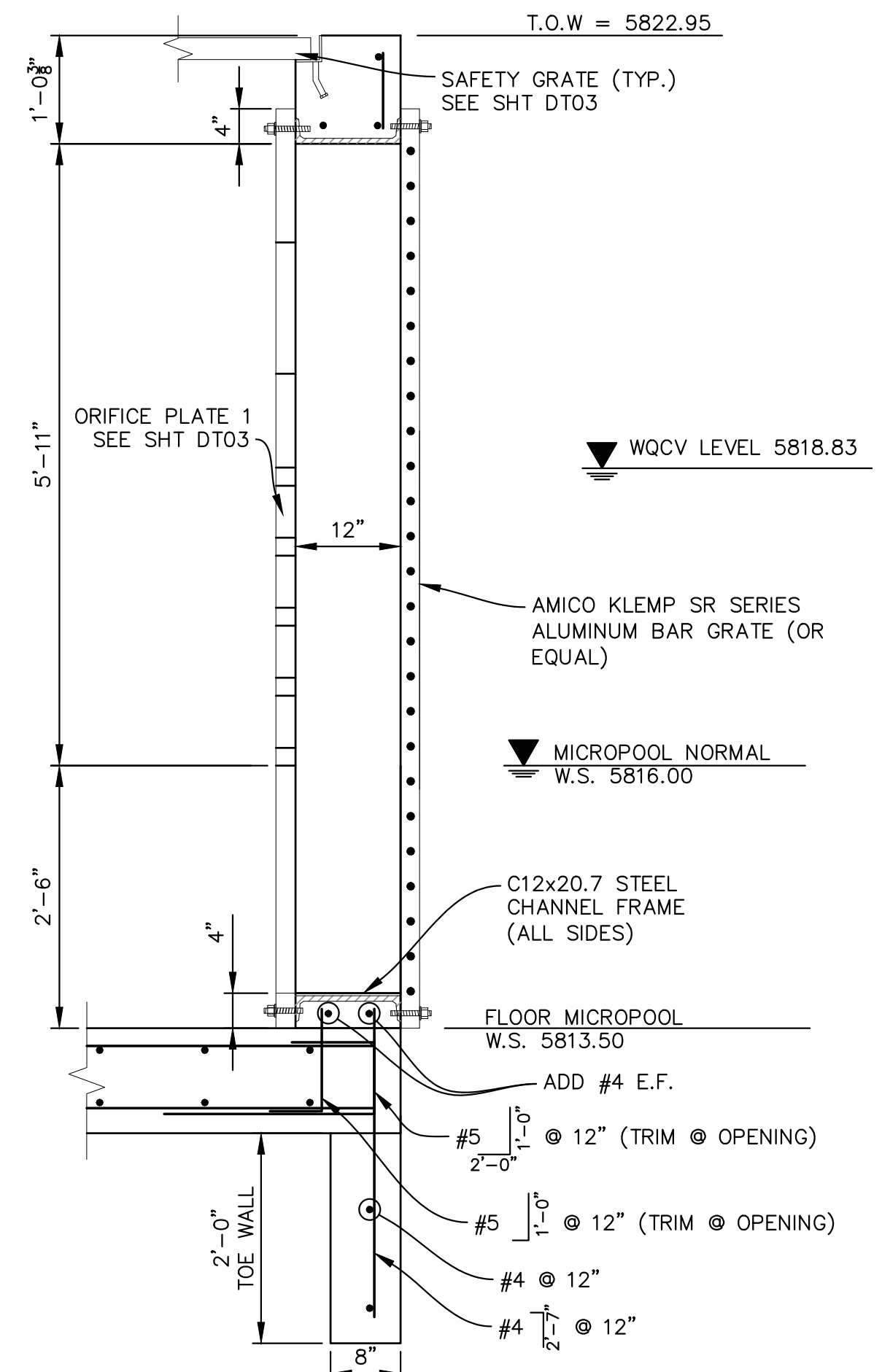


SECTION C
SCALE: 1/2"=1'-0"

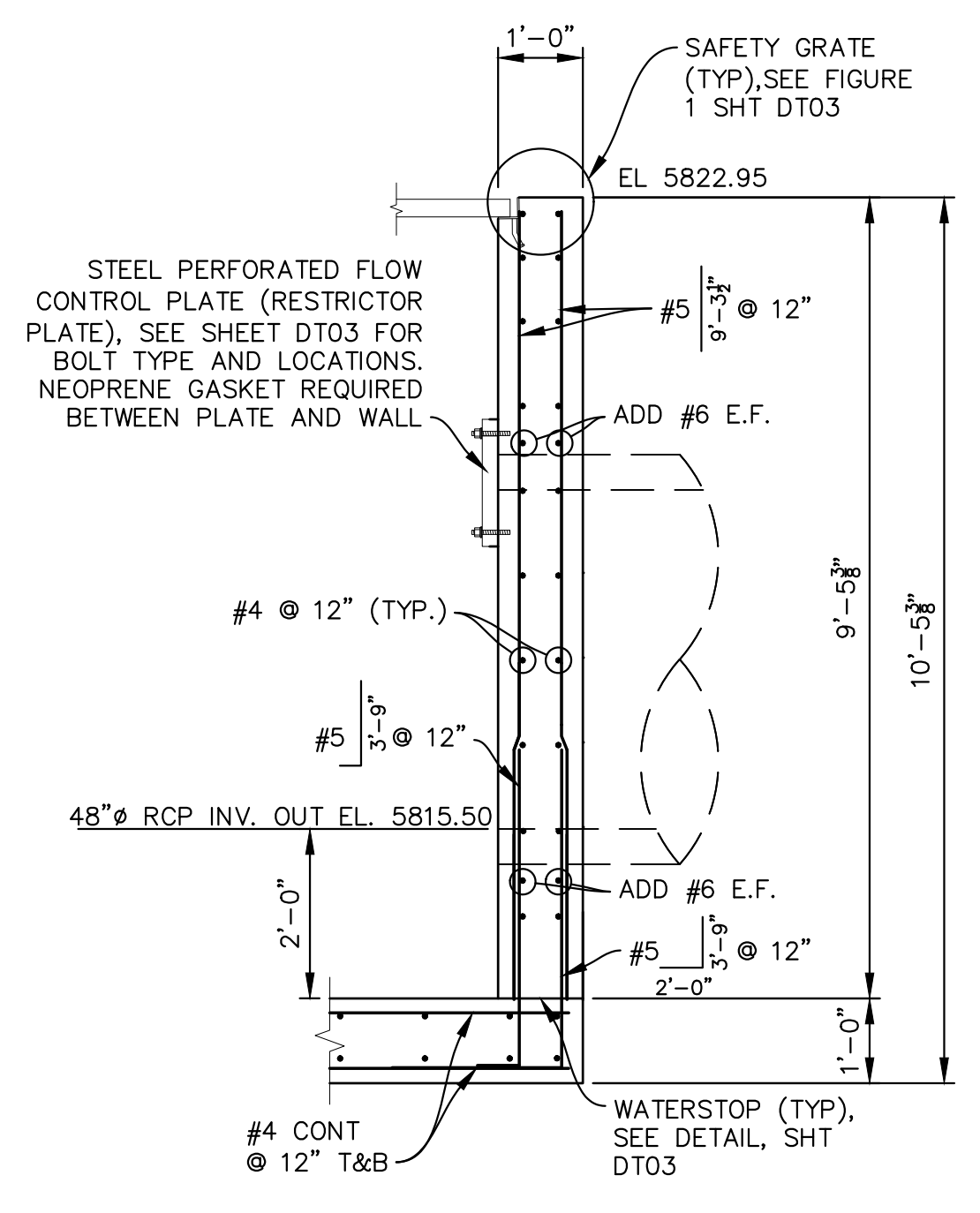
ENGINEERING RECORD DRAWINGS
 THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS. REFER TO ORIGINAL DRAWINGS FOR SIGNATURES AND SEALS.
 Nicole Schanel
 NICOLE SCHANEL, PE #52434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.
 Date: 09/30/22



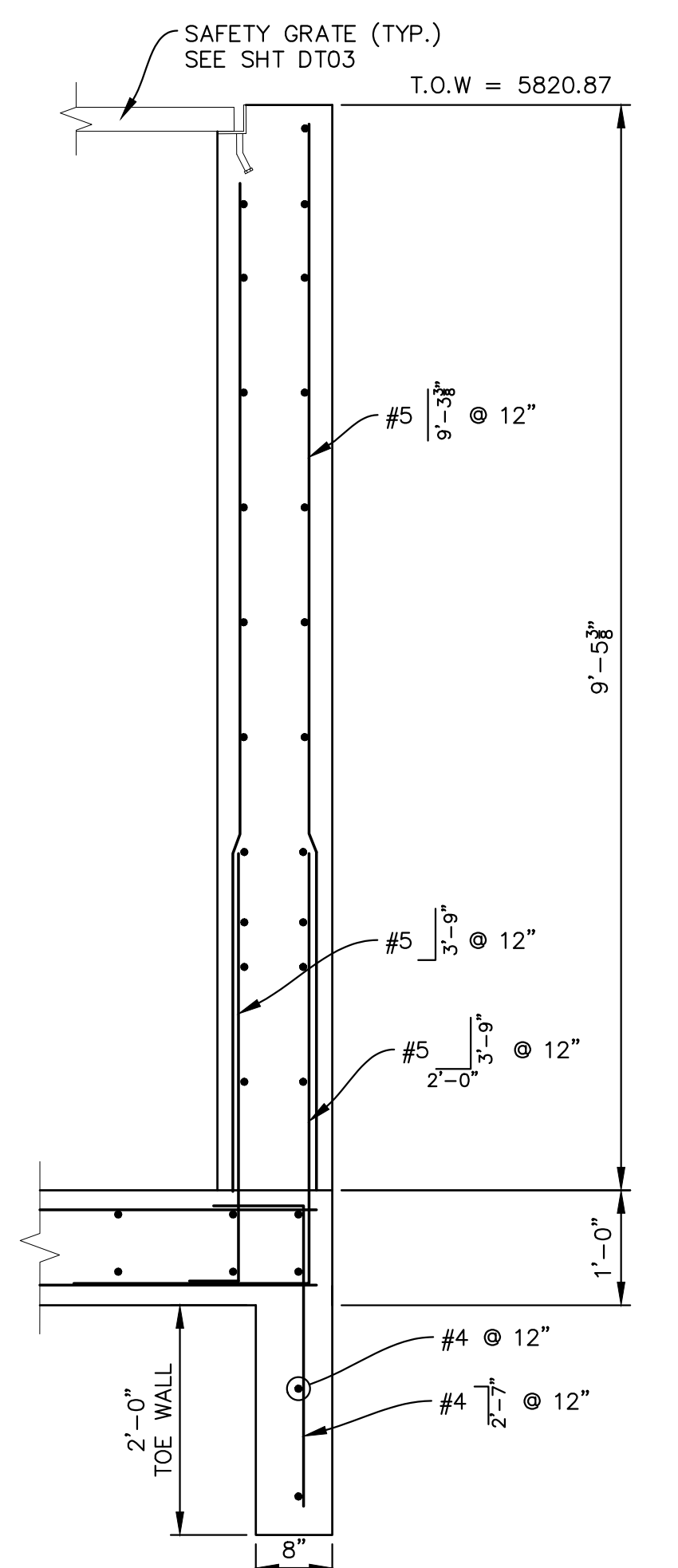
SECTION D
SCALE: 1/2"=1'-0"



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

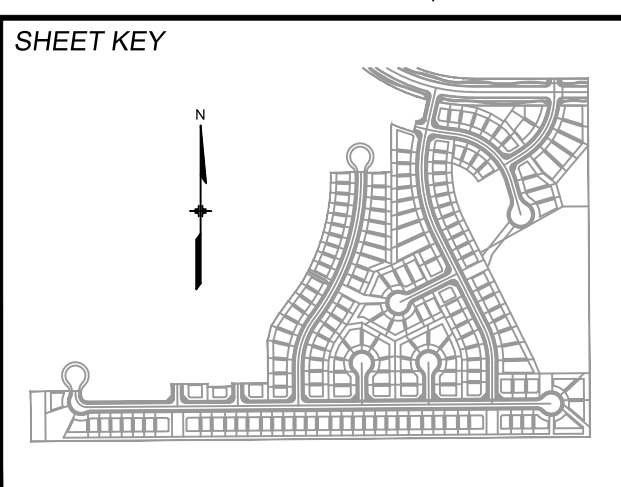


SECTION F
SCALE: 1/2"=1'-0"



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

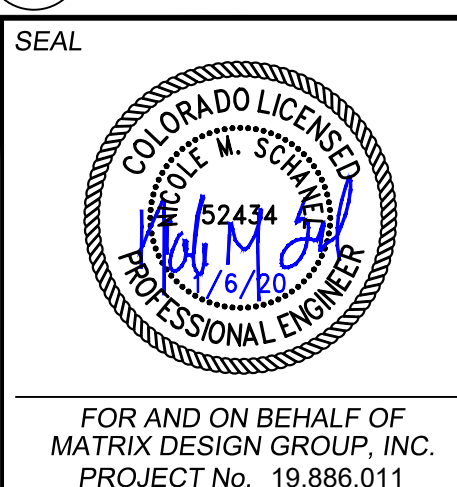
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: s:\19.886.011 (trails at aspen ridge - f1)\100 Dwg\104 plan sets\construction plans\road & storm plans\Structures\Outlet Structure 1.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 12:03:02 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE 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

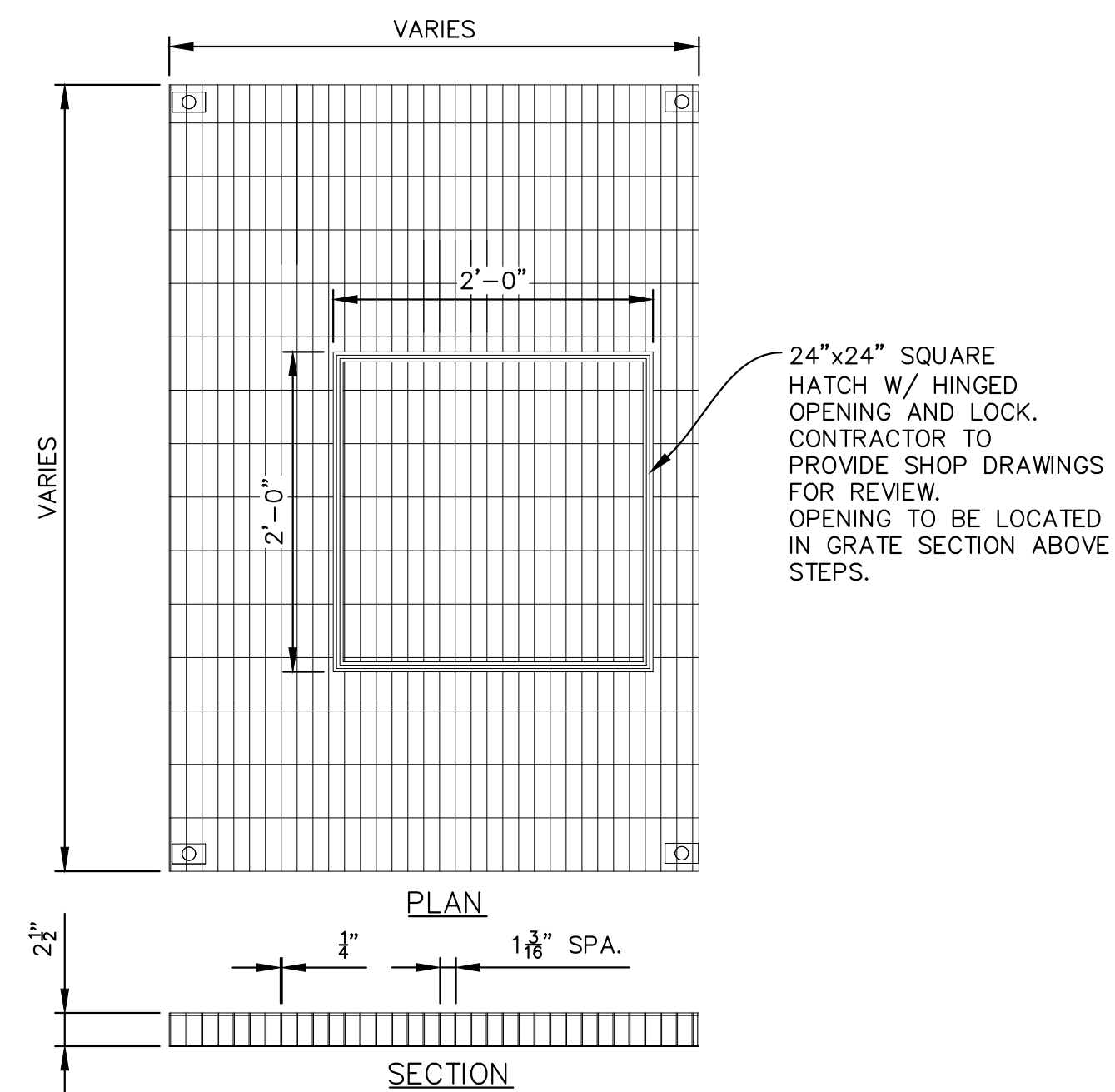


TRAILS AT ASPEN RIDGE
 FILING NO. 1
 ROADWAY & STORM IMPROVEMENT PLANS
 OUTLET STRUCTURE DETAILS - 2
 EPC 2/13/2020

DESIGNED BY: AAC	SCALE:	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. DT02
CHECKED BY: KSL	HORIZ. N.A.	SHEET 66 OF 73	
	VERT. N.A.		



Know what's below.
Call before you dig.



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

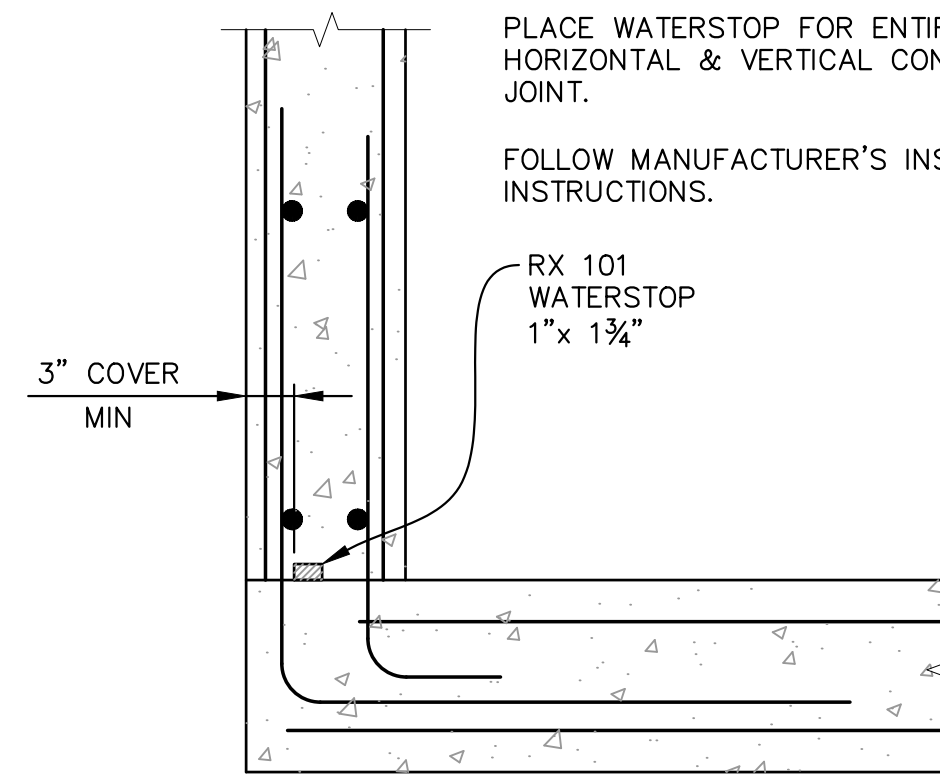
24"x24" SQUARE HATCH W/ HINGED OPENING AND LOCK. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW. OPENING TO BE LOCATED IN GRATE SECTION ABOVE STEPS.

NOTES:

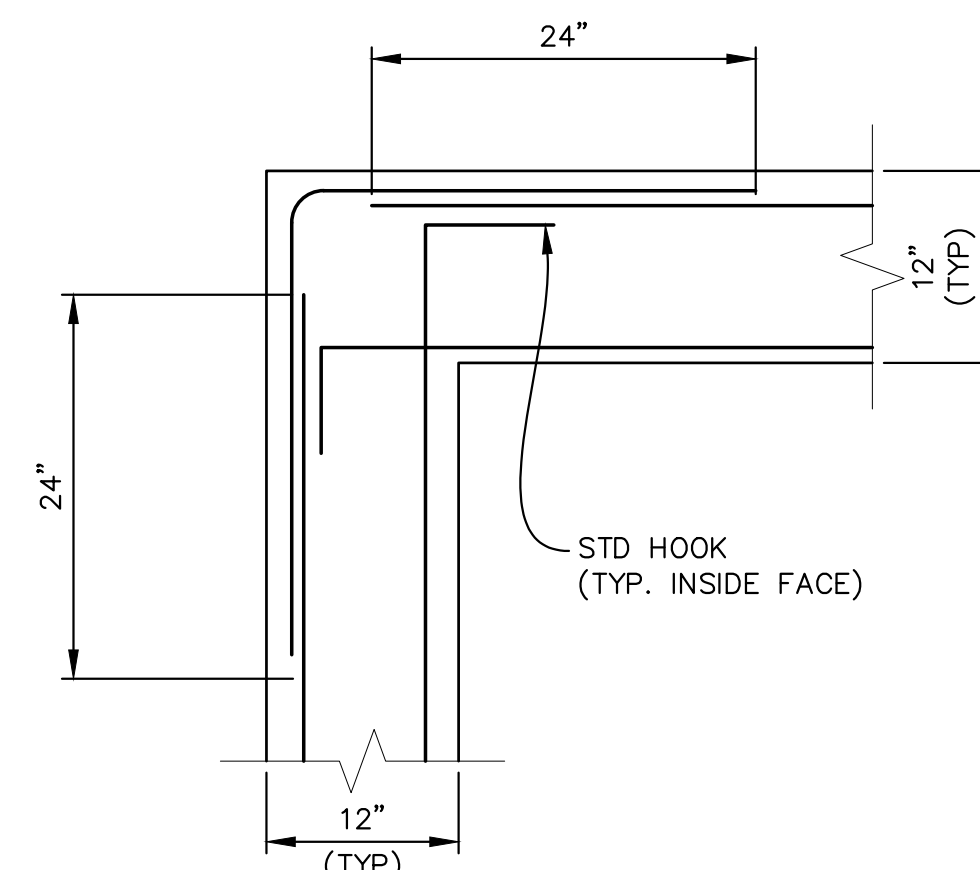
WATERSTOP SHALL BE VOLCLAY WATERSTOP RX 101 OR EARTHSHIELD JP 648 OR APPROVED EQUAL.

PLACE WATERSTOP FOR ENTIRETY OF EACH HORIZONTAL & VERTICAL CONSTRUCTION JOINT.

FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.



WATERSTOP DETAIL
SCALE: N.T.S.



CORNER DETAIL
SCALE: N.T.S.

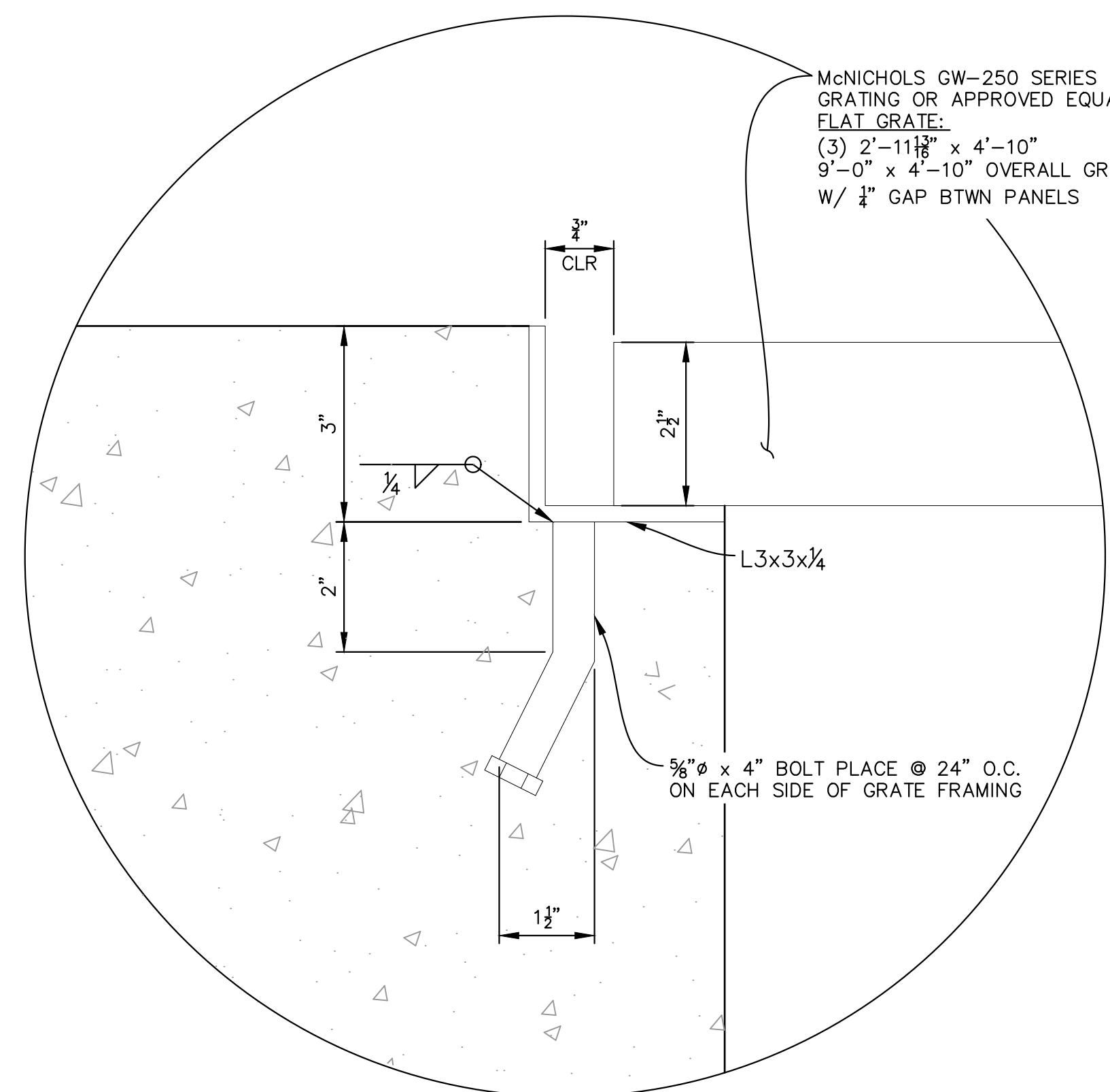
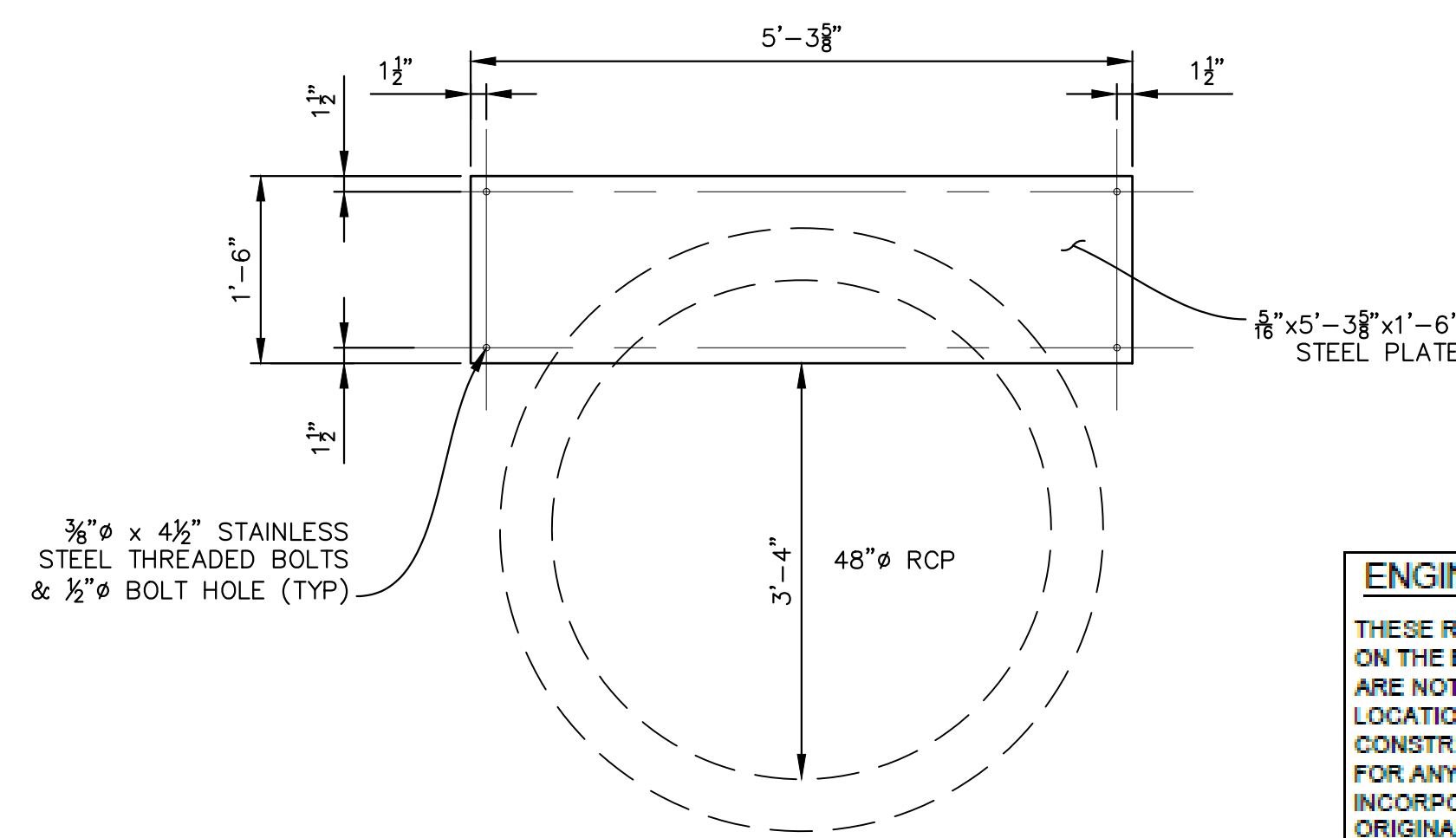
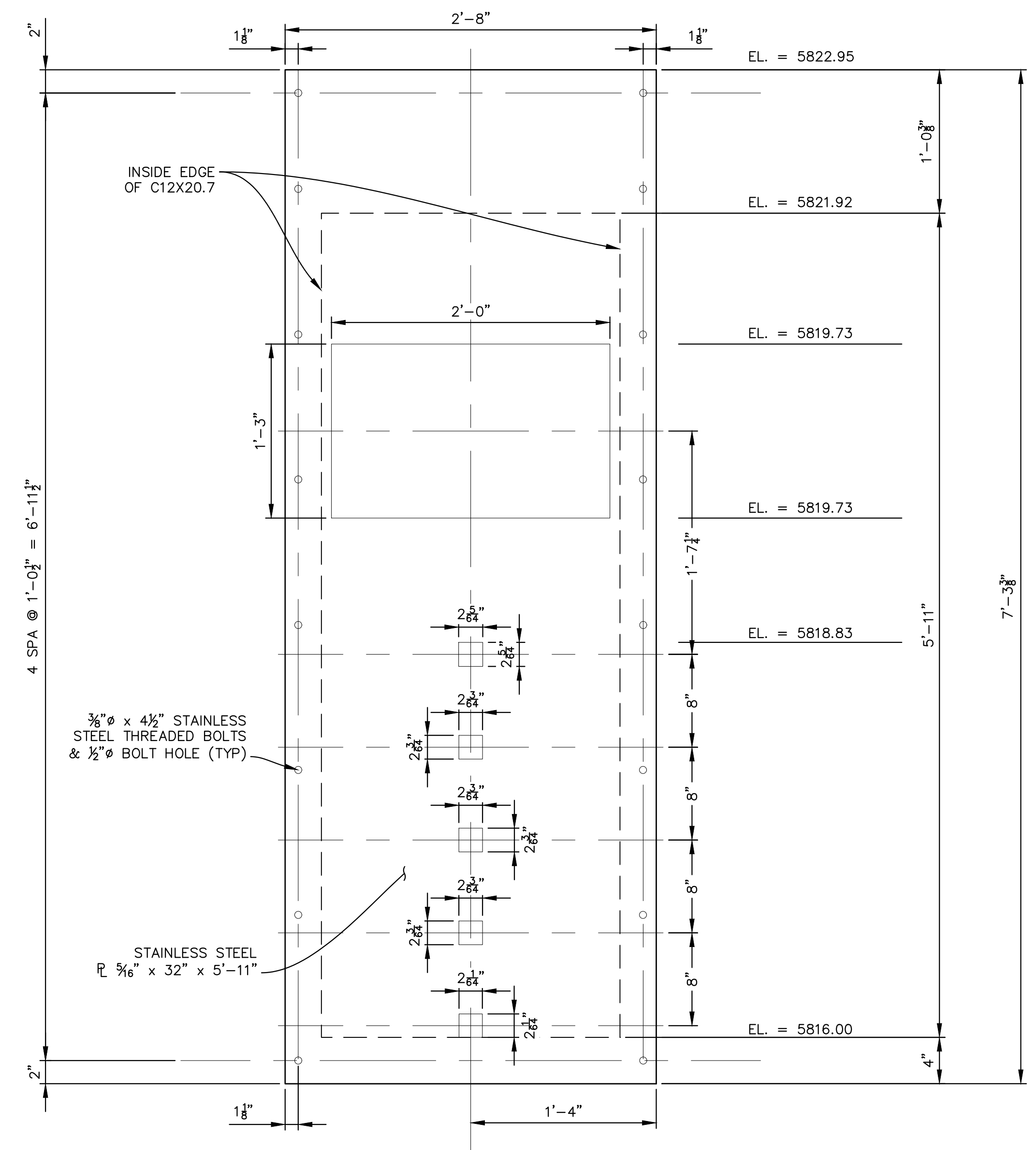


FIGURE 1
SCALE: 6"=1'-0"

McNICHOLS GW-250 SERIES 2 1/2" x 3/8" BAR GRATING OR APPROVED EQUAL FLAT GRATE.
(3) 2'-11 1/8" x 4'-10"
9'-0" x 4'-10" OVERALL GRATE SIZE W/ 1/4" GAP BTWN PANELS



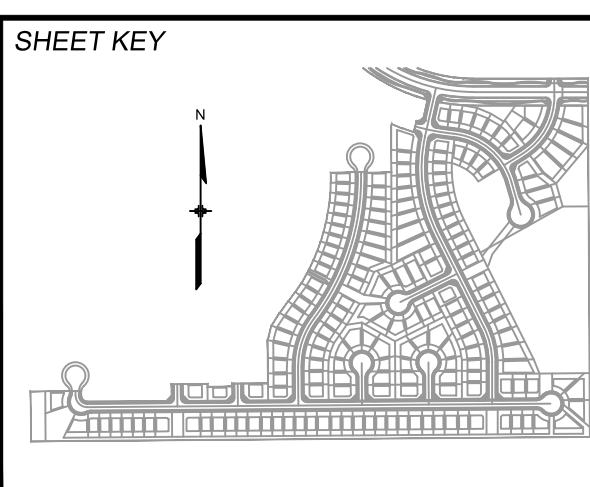
RESTRICTOR PLATE DETAIL
SCALE: 3/4" = 1'-0"



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

ENGINEERING RECORD DRAWINGS
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Nicole Schanel
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
Date: 09/30/22

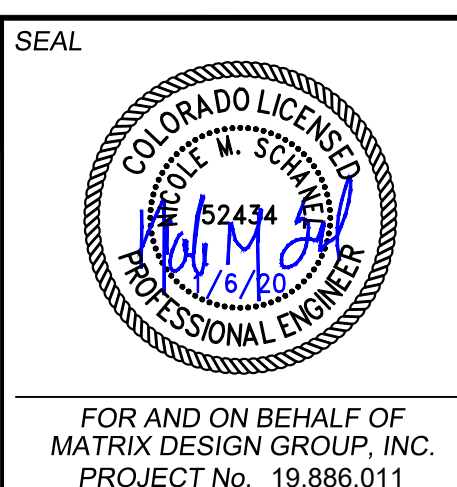
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PLOT DATE: January 23, 2020 12:03:12 PM				
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.				



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

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PREPARED BY:
Matrix DESIGN GROUP



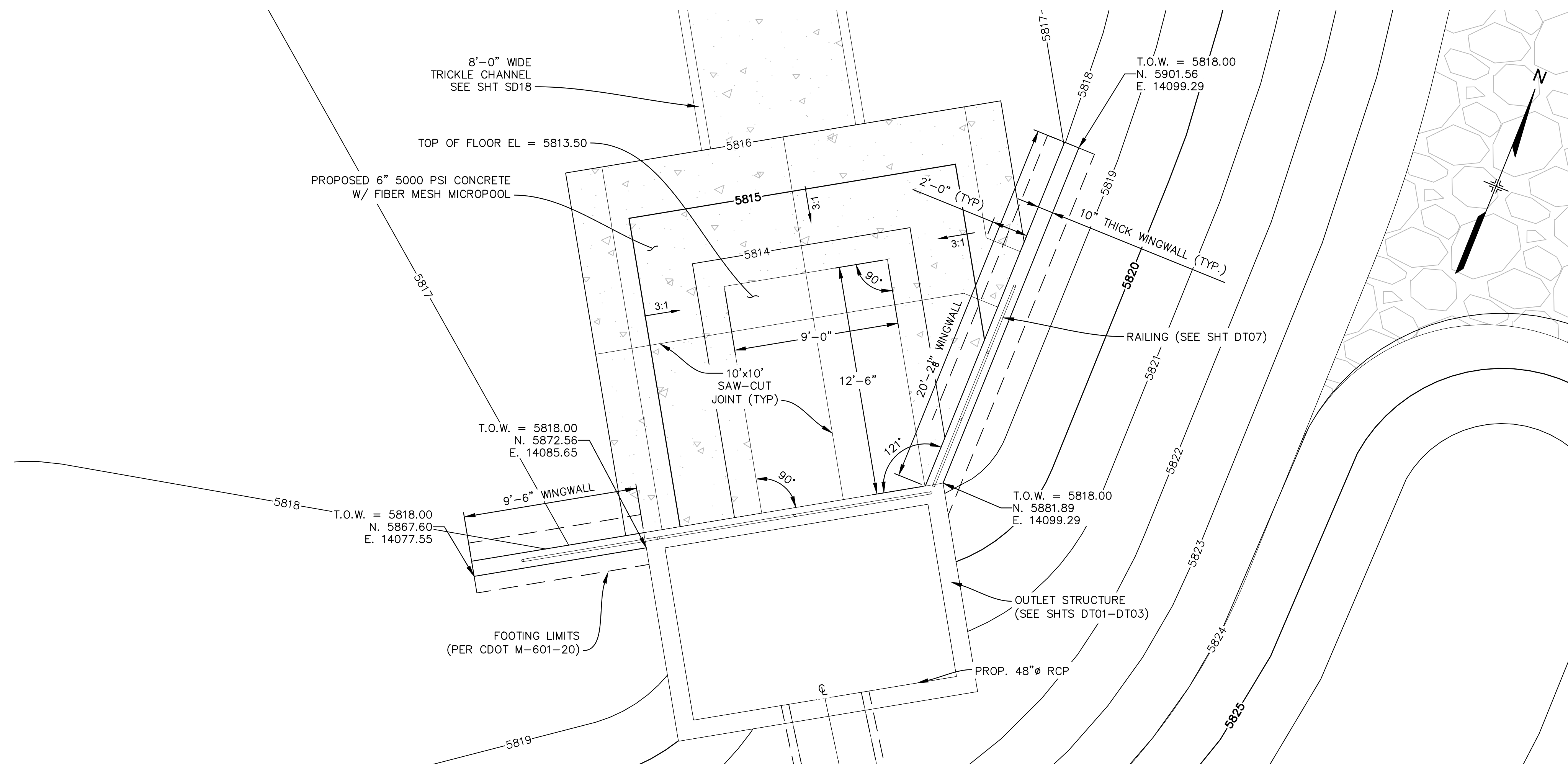
TRAILS AT ASPEN RIDGE				
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS				
OUTLET STRUCTURE DETAILS -3 EPC 2/13/2020				
DESIGNED BY: AAC	SCALE: HORIZ. N.A.	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. 67 OF 73	DT03
CHECKED BY: KSL	VERT. N.A.	SHEET		



Know what's below.
Call before you dig.

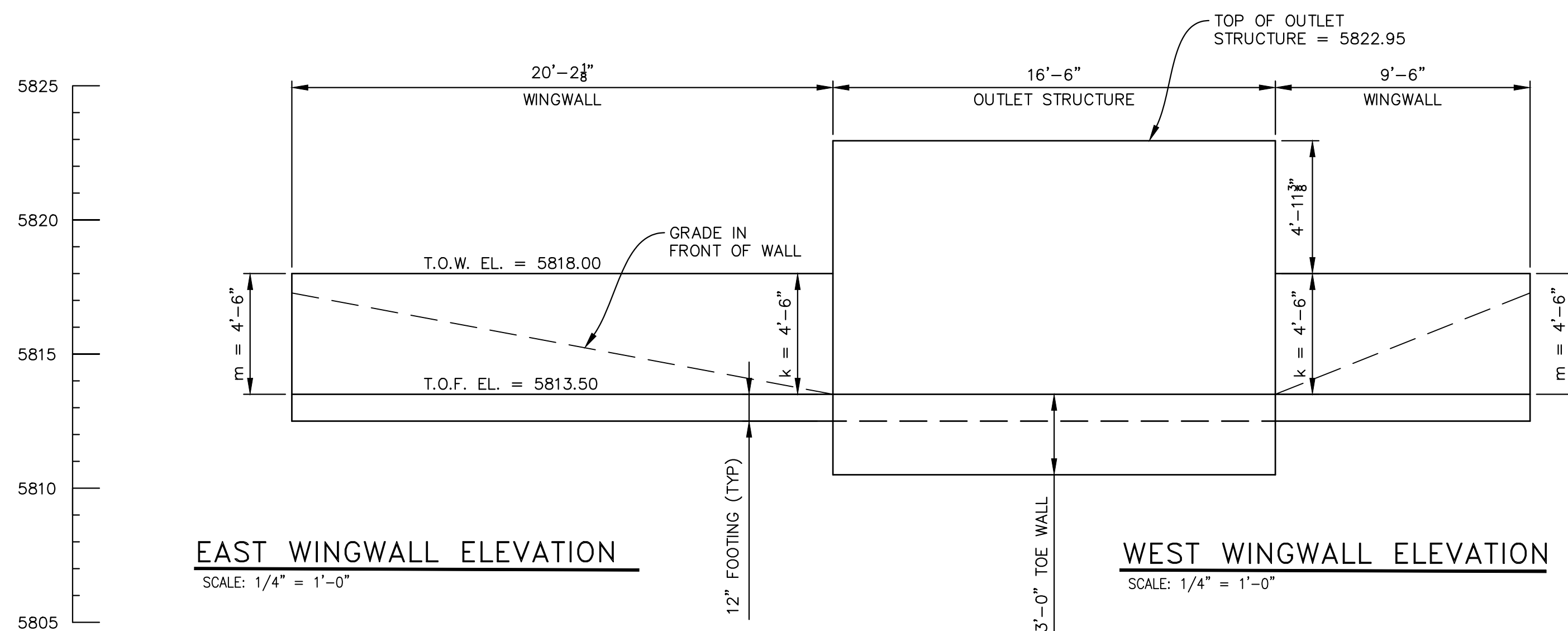
NOTES:

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"



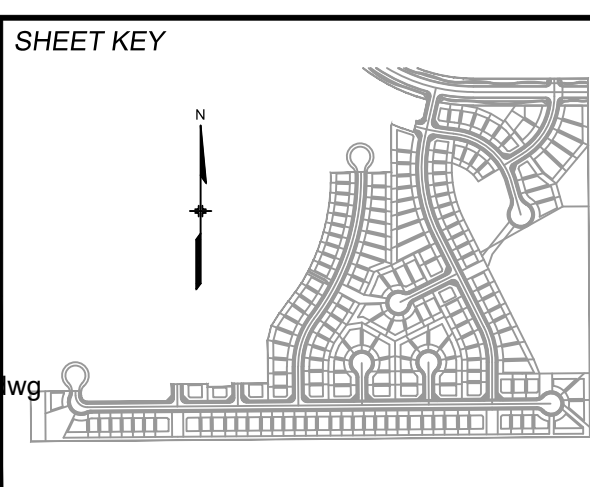
* RAILING NOT SHOW FOR CLARITY

ENGINEERING RECORD DRAWINGS

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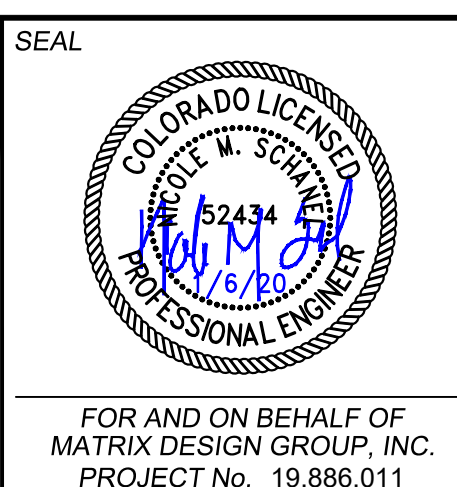
Nicole Schanel Date: 09/30/22
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.

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\Structures\Outlet Structure Wing Walls.dwg			
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PLOT DATE: January 23, 2020 12:03:29 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

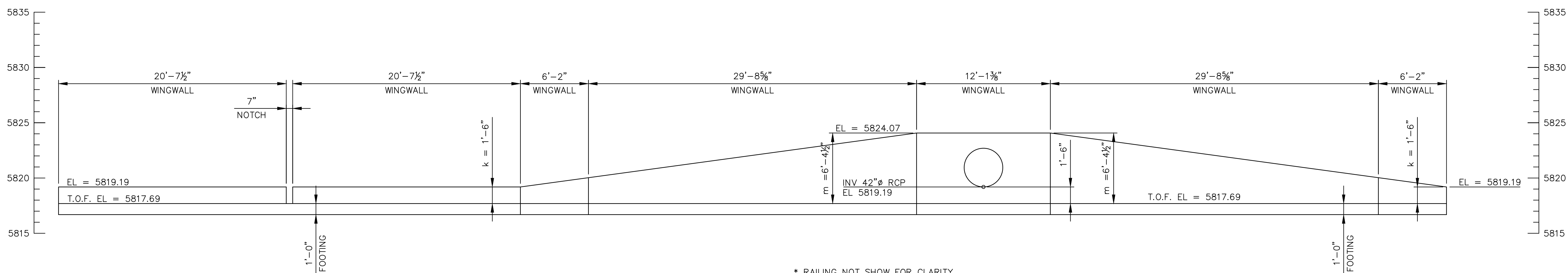
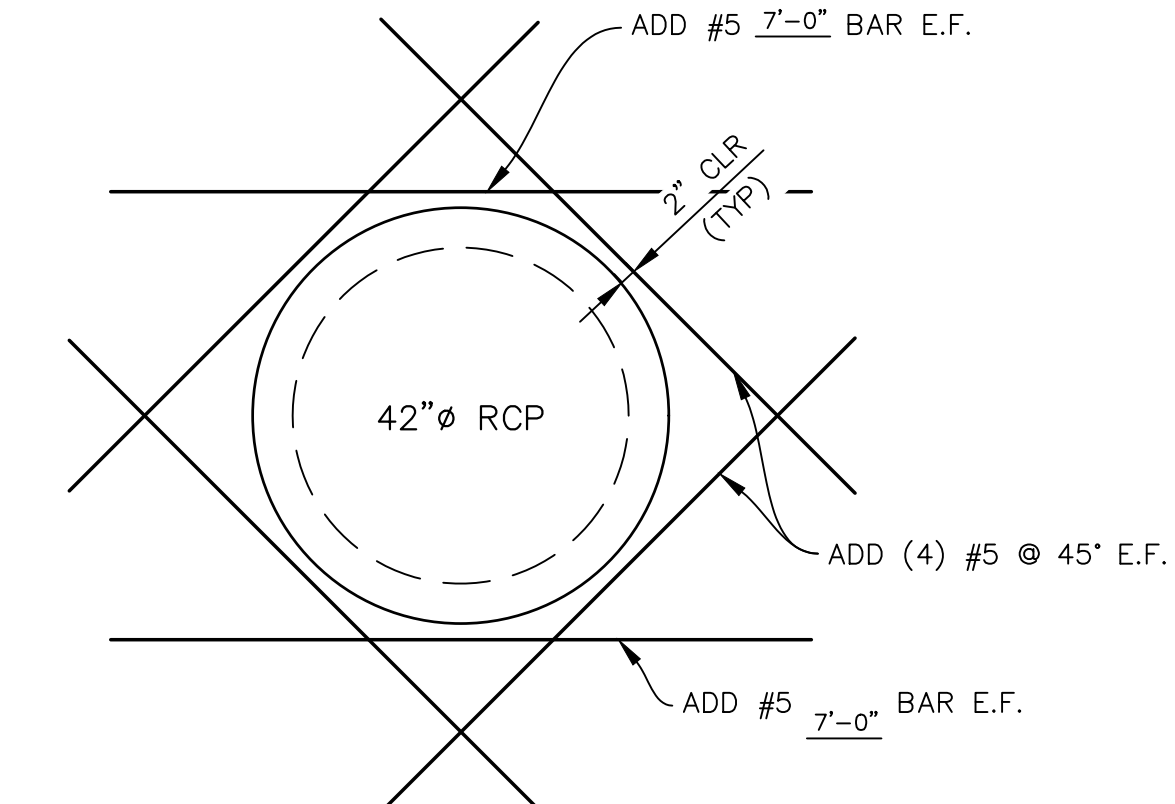
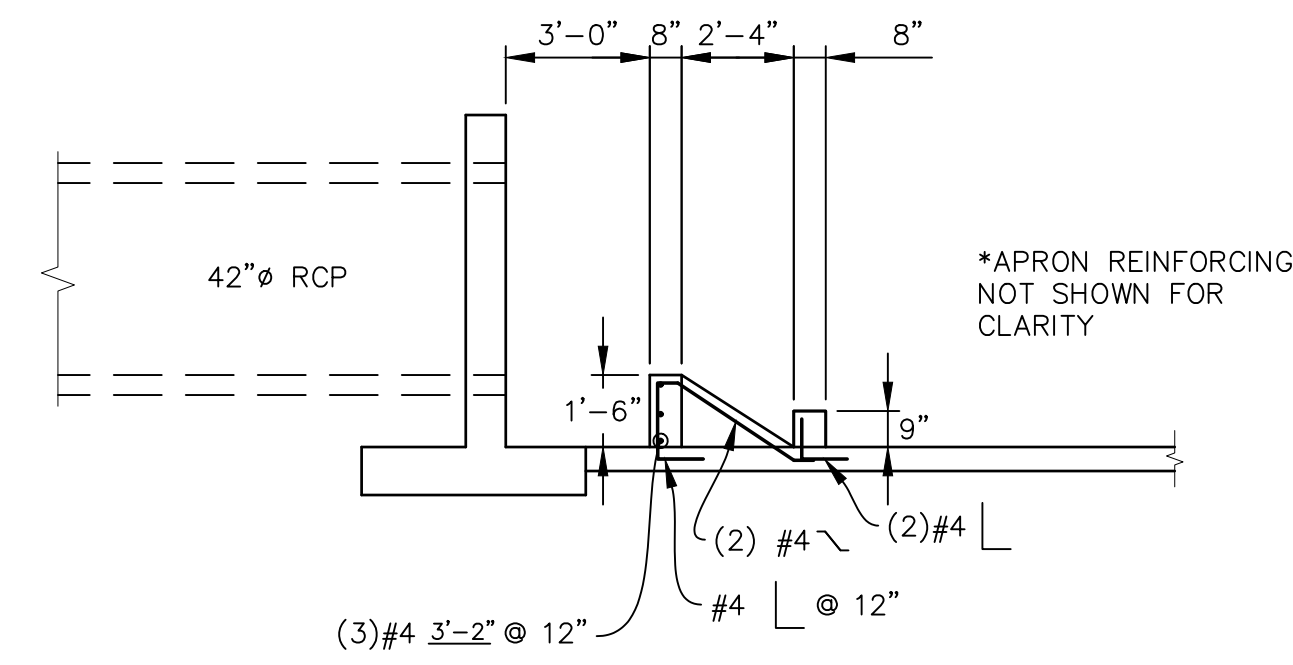
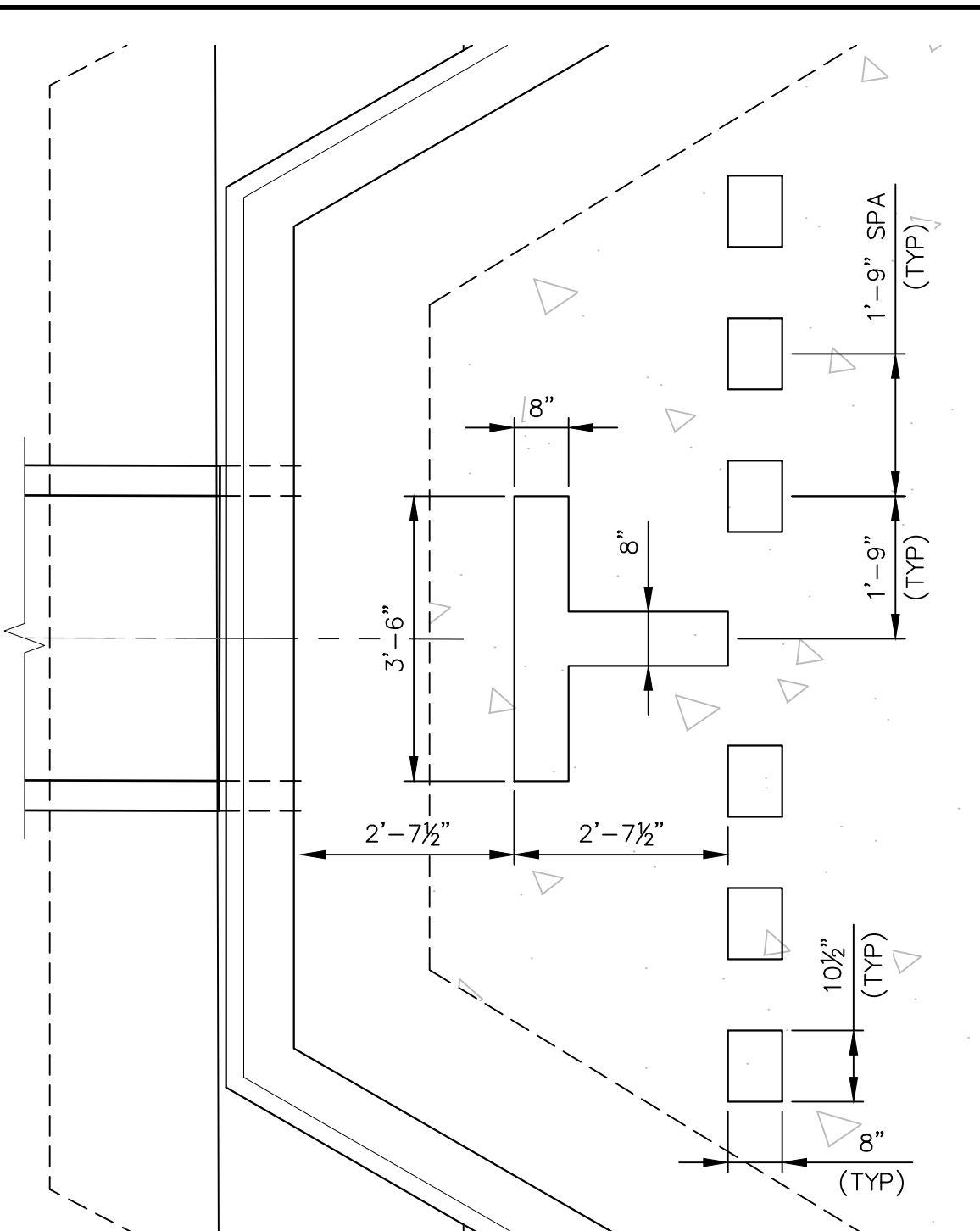
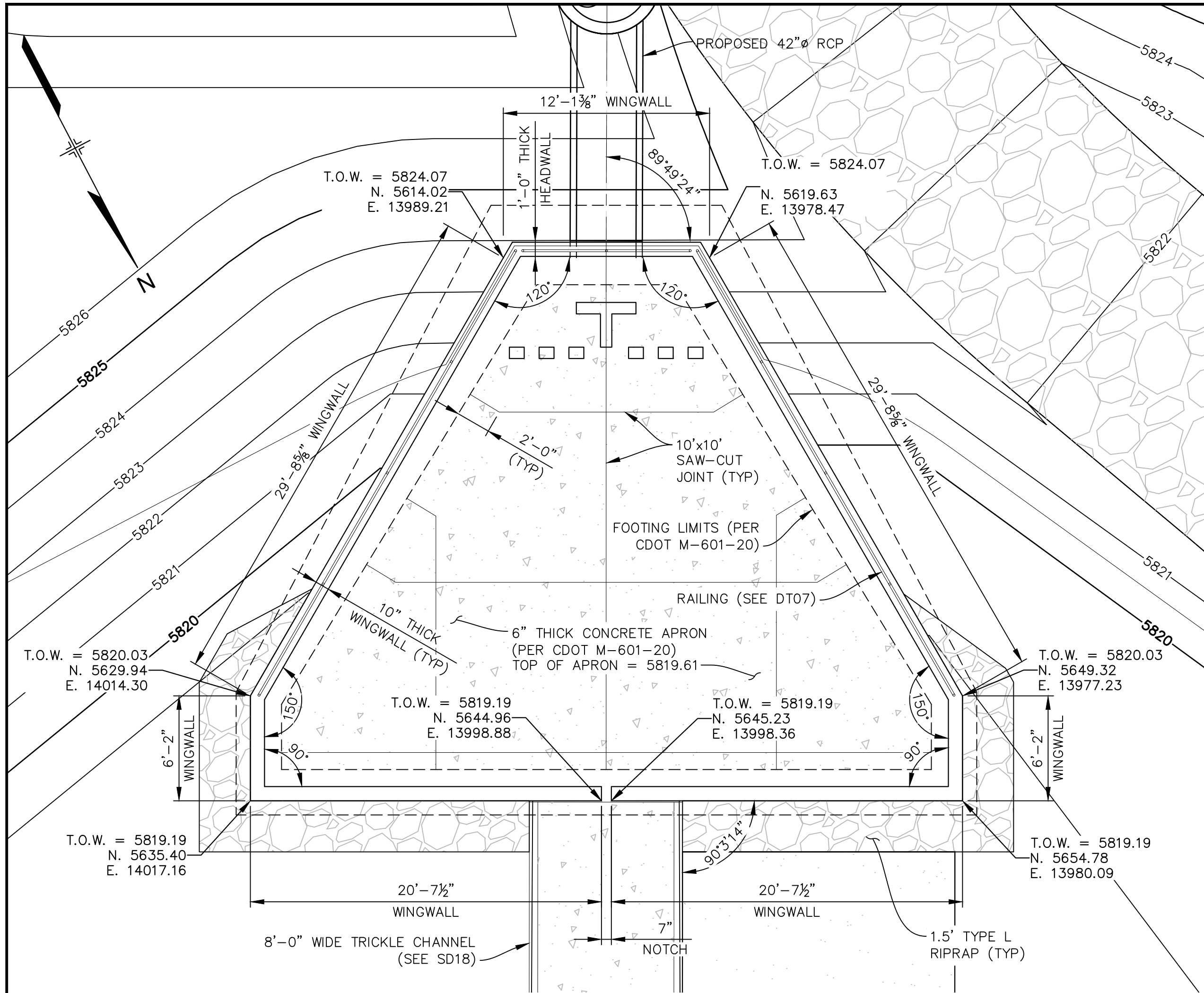
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/2' AULM. CAP PLS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



TRAILS AT ASPEN RIDGE			
FILING NO. 1			
ROADWAY & STORM IMPROVEMENT PLANS			
OUTLET STRUCTURE DETAILS - 4			
EPC 2/13/2020			
DESIGNED BY: AAC	SCALE:	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. DT04
CHECKED BY: KSL	HORIZ. N.A. VERT. N.A.	SHEET 68 OF 73	



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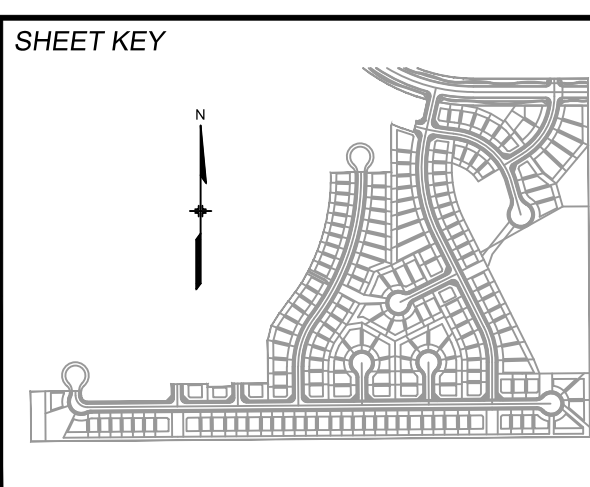
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Nicole M. Schanel
Date: 09/30/22
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.

- 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".

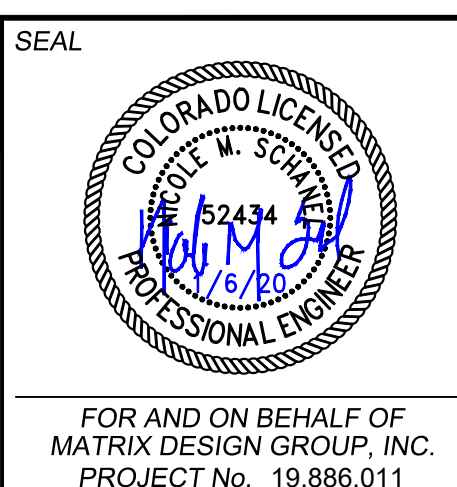
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CTB FILE: ---			
PLOT DATE: January 23, 2020 12:03:47 PM			
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BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP 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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PREPARED BY:
Matrix DESIGN GROUP



TRAILS AT ASPEN RIDGE

FILING NO. 1
ROADWAY & STORM IMPROVEMENT PLANS

SOUTH FOREBAY

EPC 2/13/2020

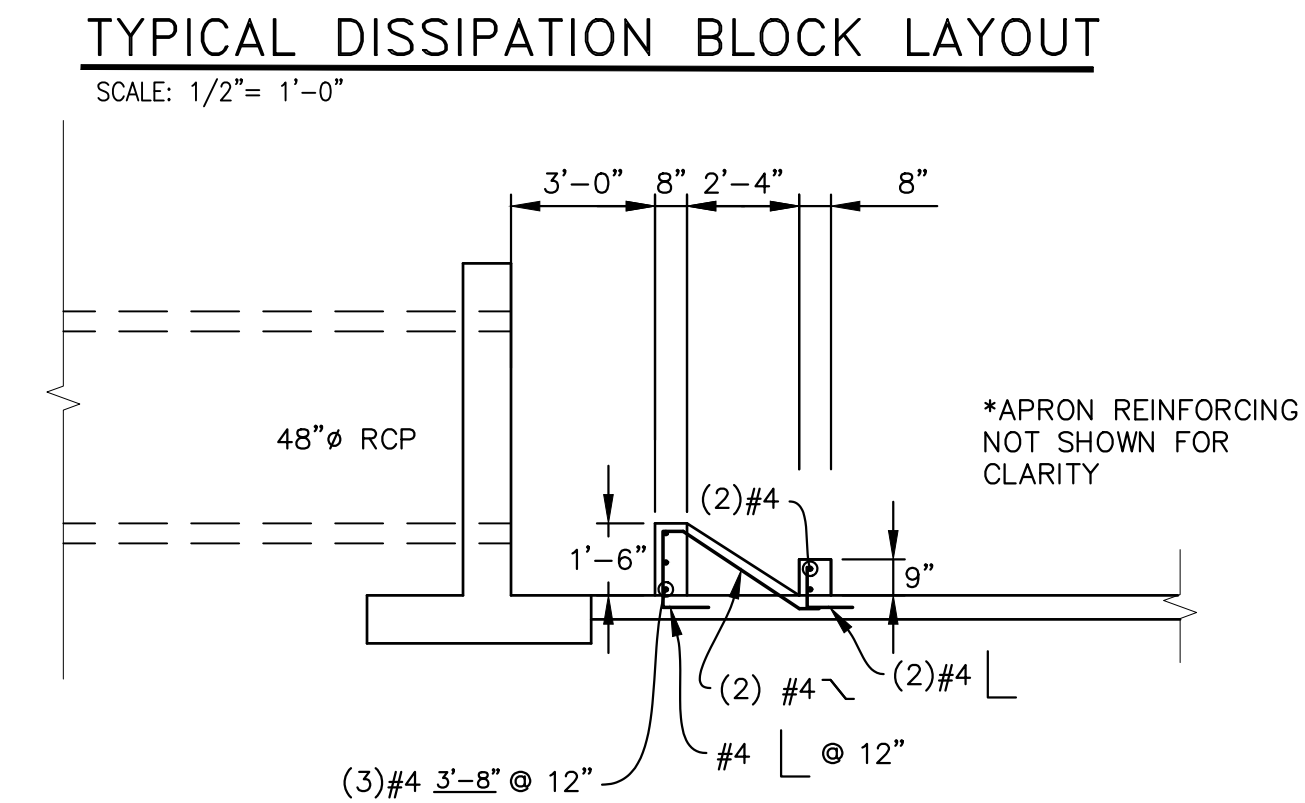
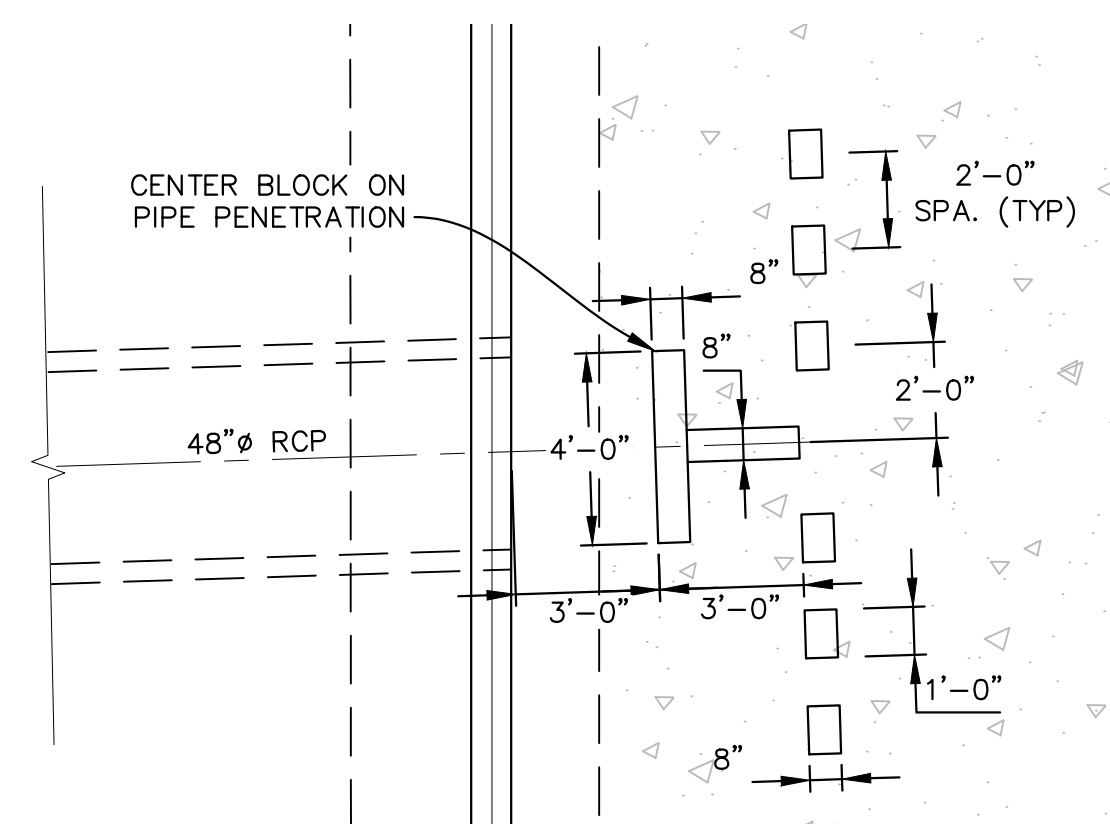
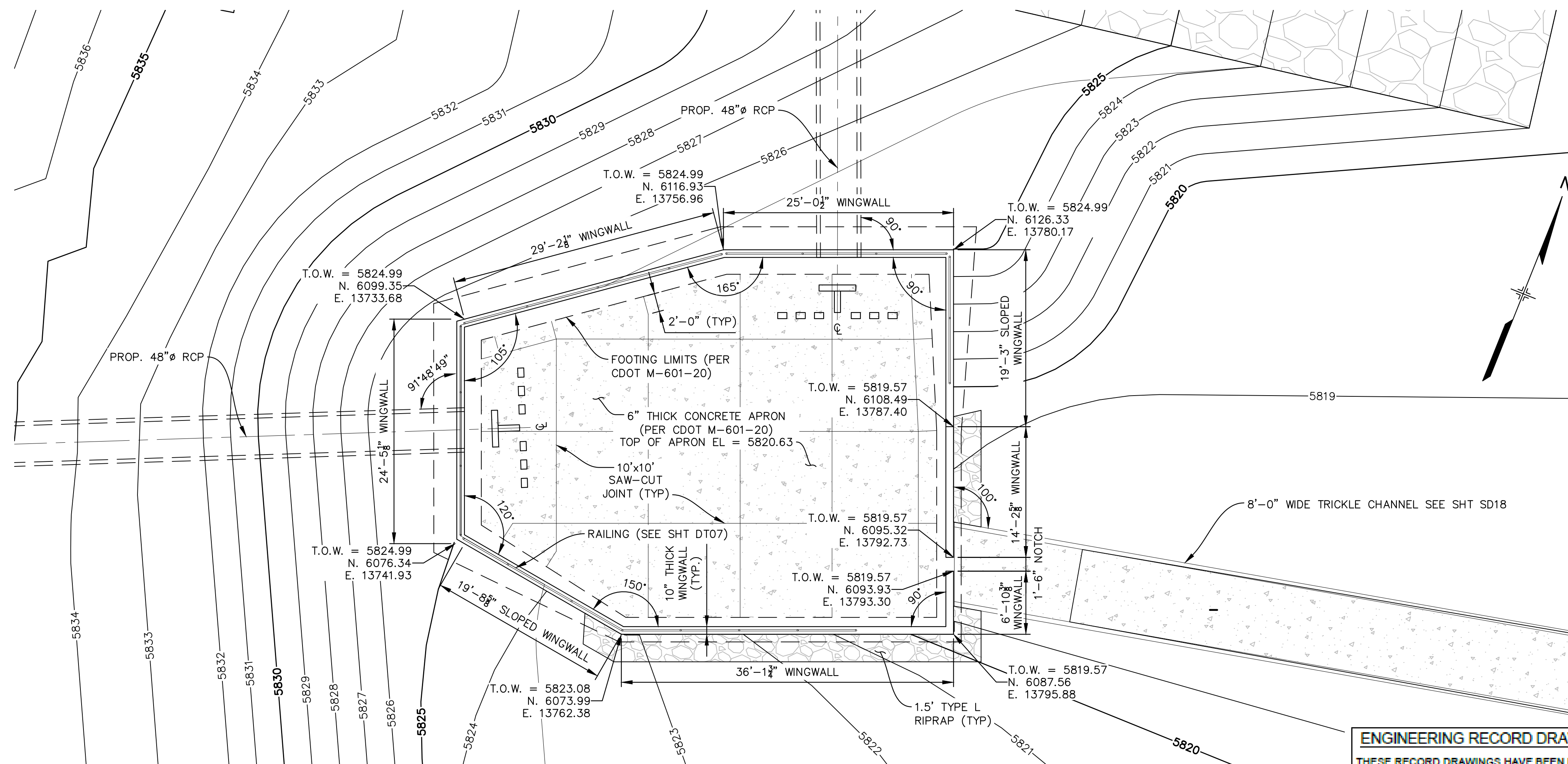
DESIGNED BY: AAC	SCALE: 3/16" = 1'	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. DT05
DRAWN BY: AAC	HORIZ: 3/16" = 1'	SHEET 69 OF 73	
CHECKED BY: KSL	VERT: N.A.		



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NOTES:

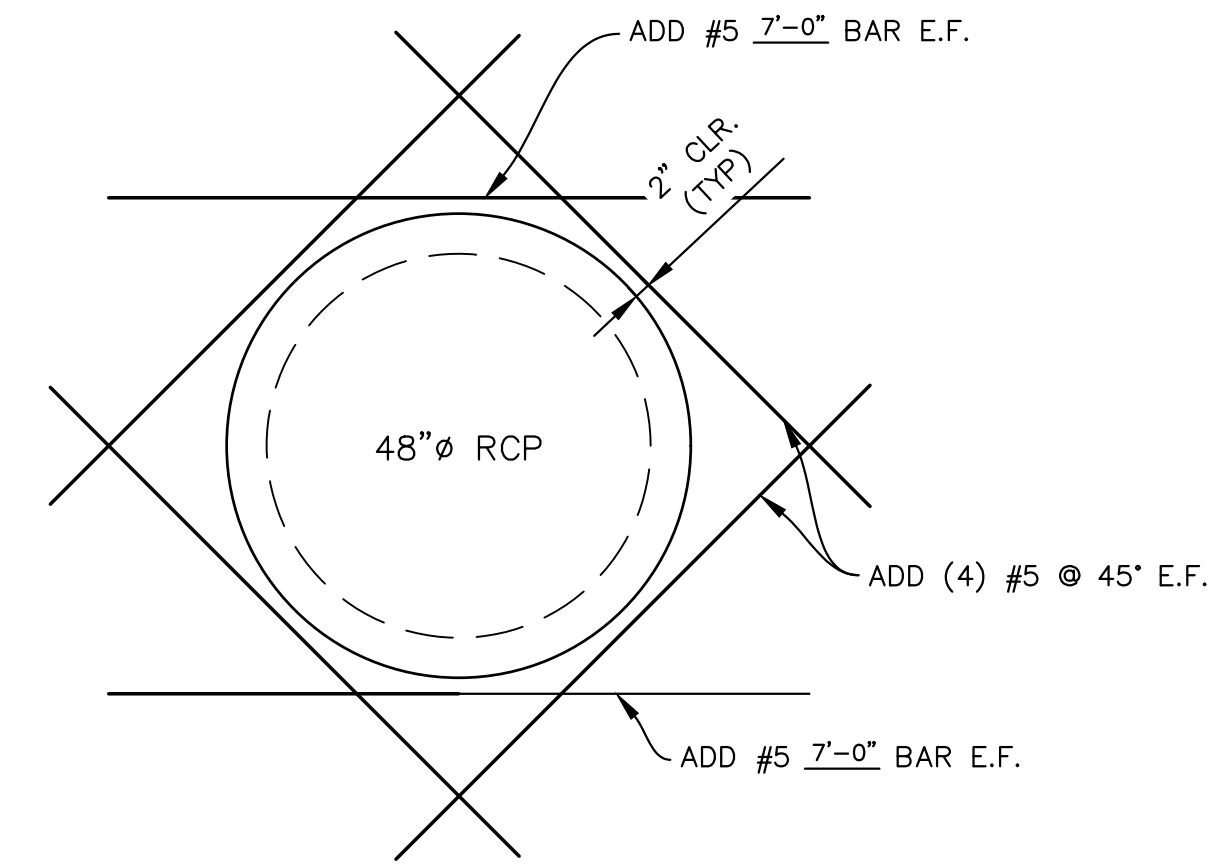
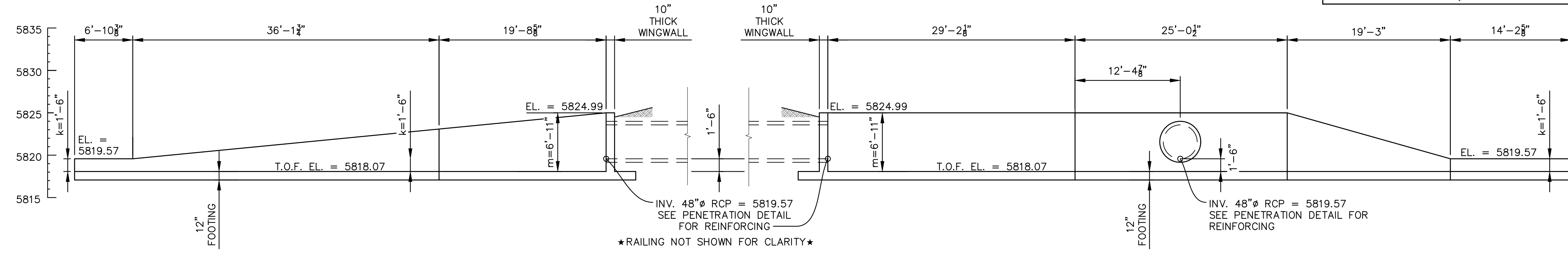
1. ALL WINGWALLS PER CDOT STANDARD M-601-20.
2. 1'-6" WIDE NOTCH TO EXTEND TO TOP OF APRON.
3. RAIL SPACING TO NOT EXCEED 8'-0" O.C.
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5. LIMIT GAP IN ADJACENT RAILING POSTS TO MAXIMUM OF 4".



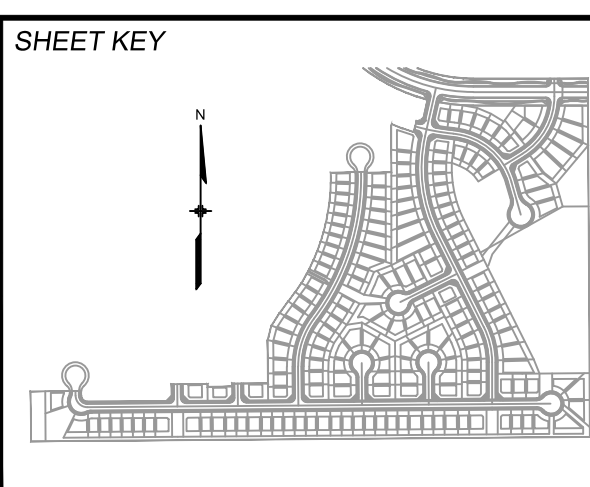
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Nicole Schanel Date: 09/30/22
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.

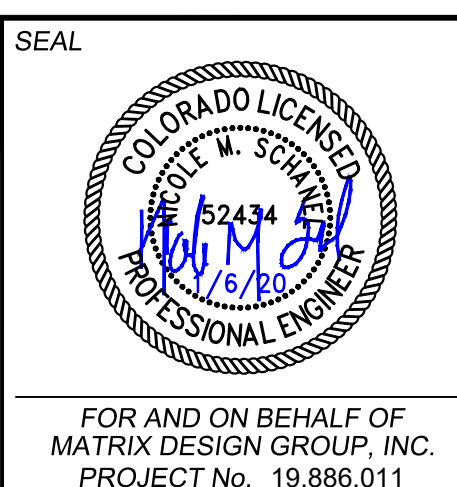


No.	DATE	DESCRIPTION	BY
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CTB FILE: ---			
PLOT DATE: January 23, 2020 12:04:04 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



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

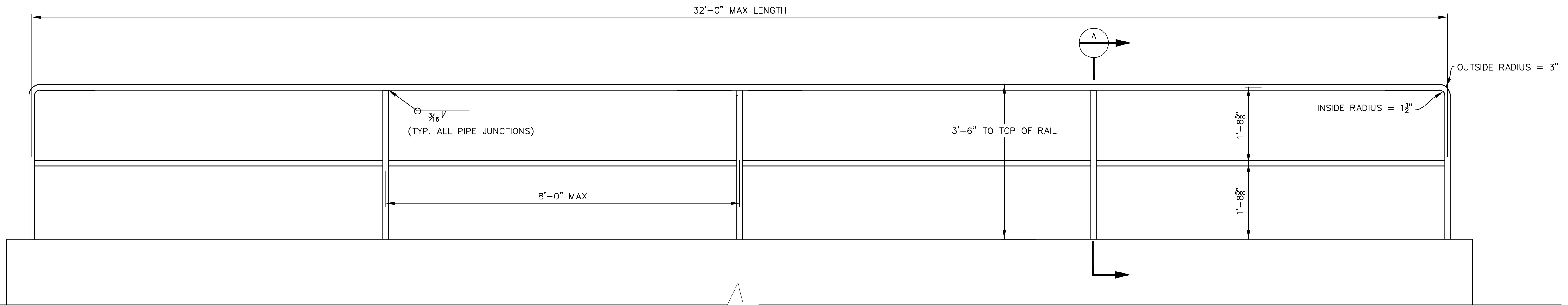
BASIS OF BEARING
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TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
NORTH FOREBAY			
EPC 2/13/2020			
DESIGNED BY: AAC	SCALE: HORIZ. N.A.	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. DT06
CHECKED BY: KSL	VERT. N.A.	SHEET 70 OF 73	

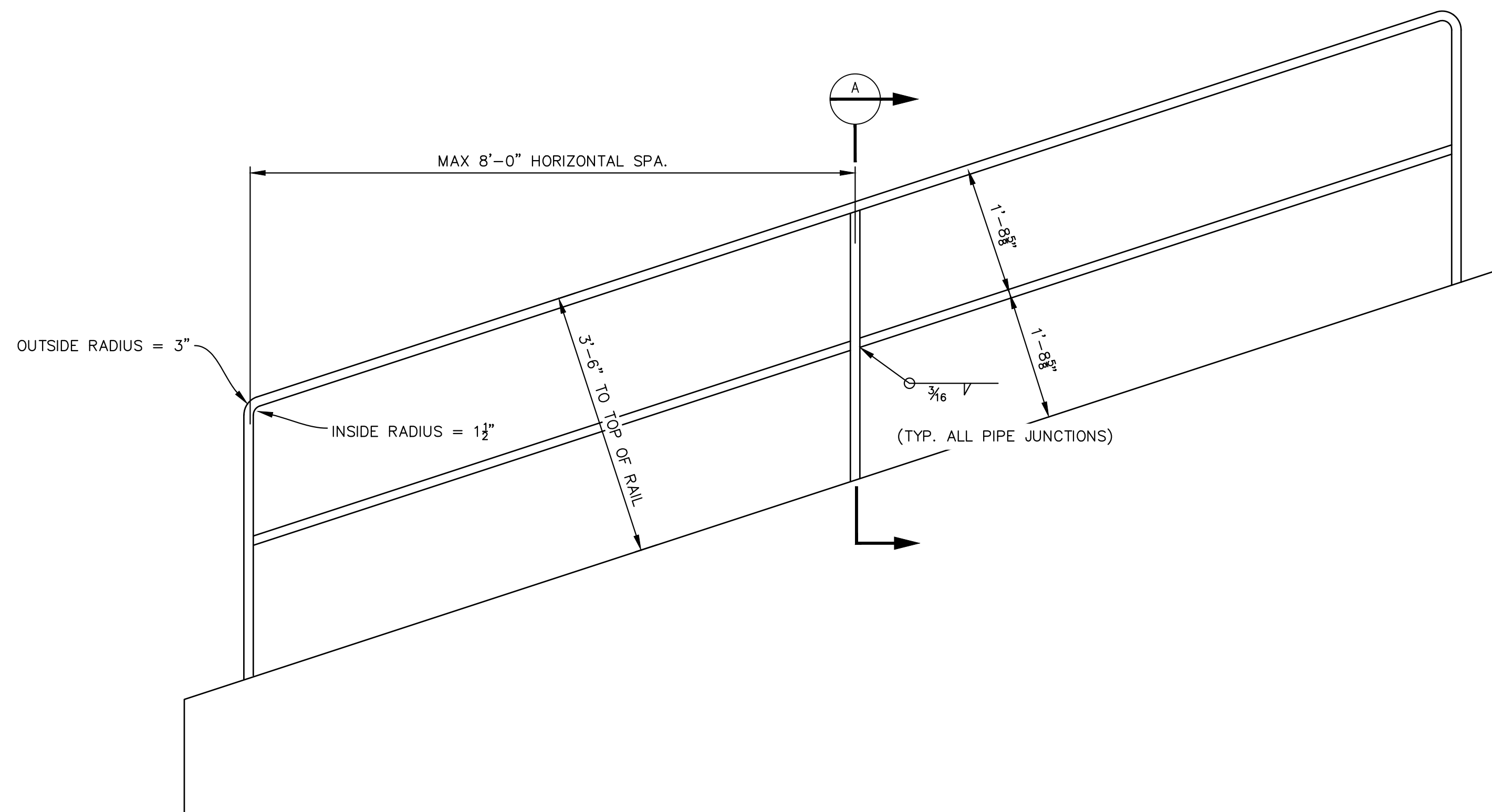


Know what's below.
Call before you dig.



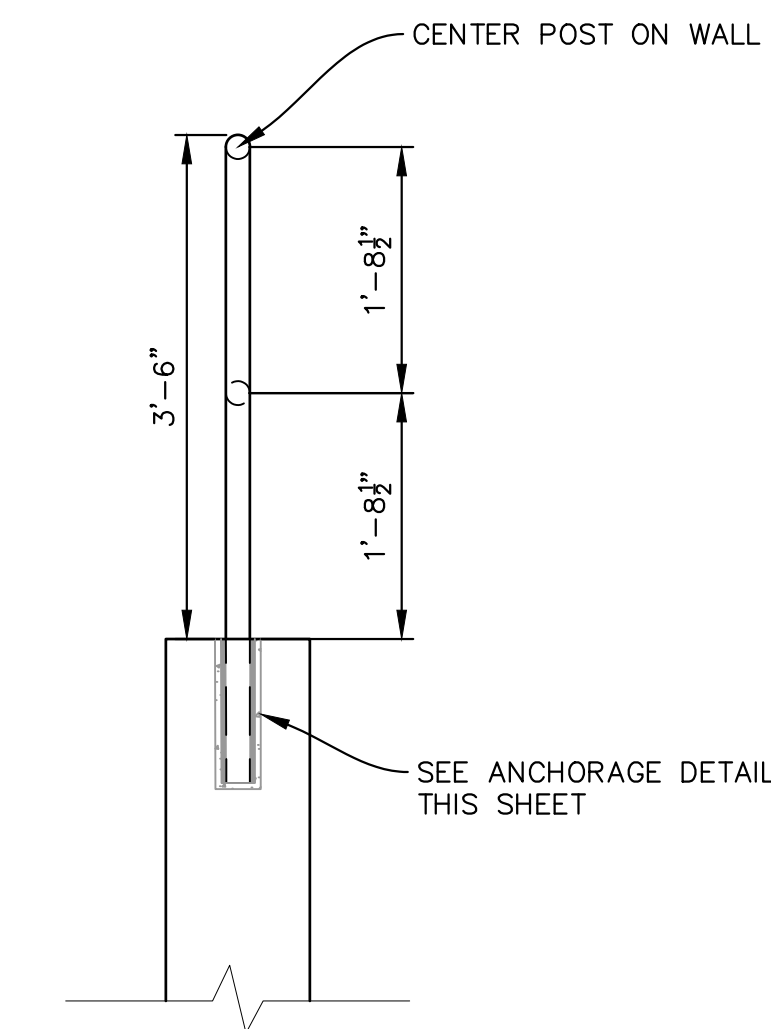
WINGWALL HANDRAIL DETAIL

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



SLOPED WINGWALL HANDRAIL DETAIL

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



SECTION

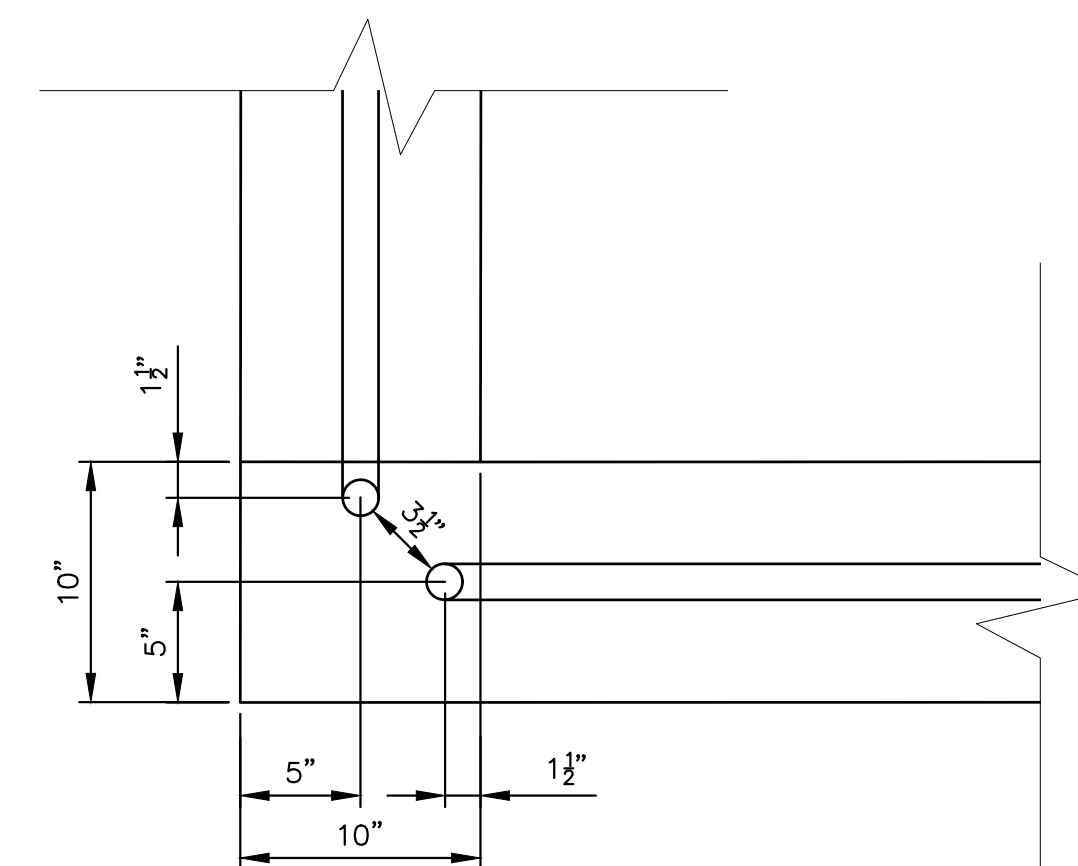
SCALE: 3/4" = 1'-0"

- 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".

ENGINEERING RECORD DRAWINGS

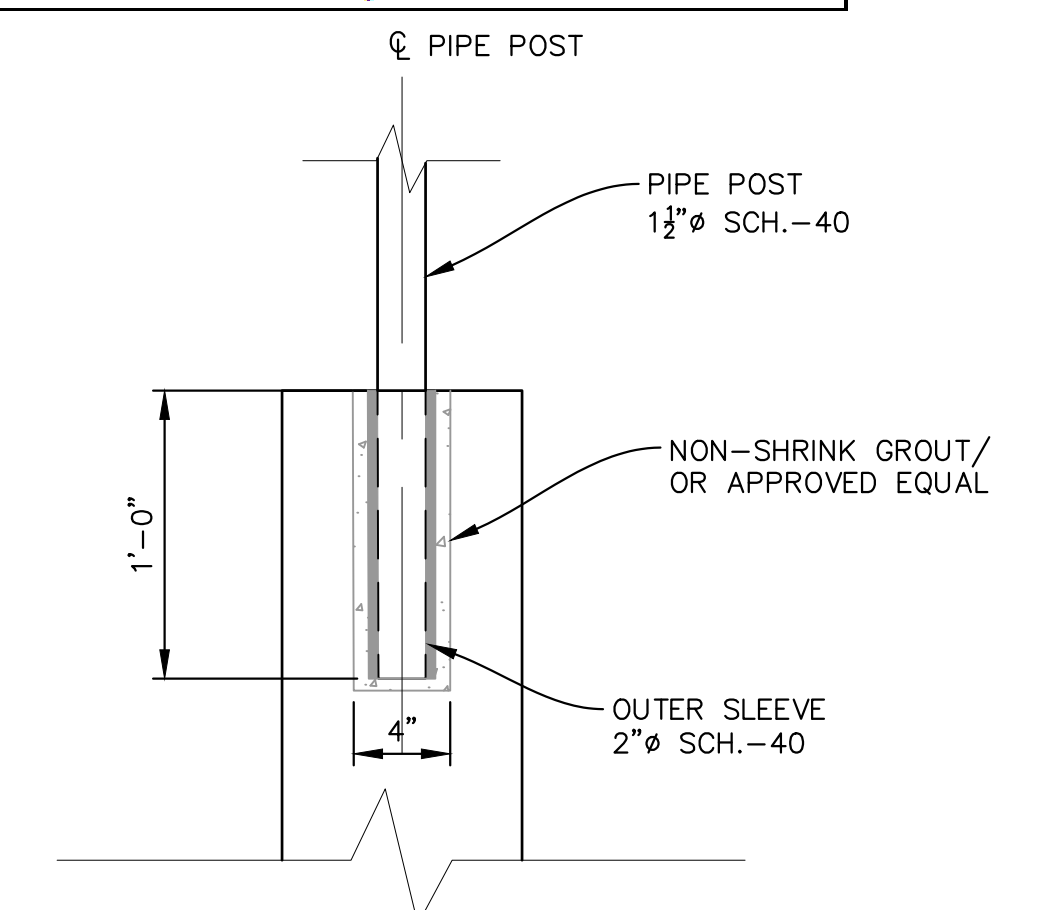
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Nicole Schanel Date: 09/30/22
 NICOLE SCHANEL, PE #S2434
 FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.



RAIL CORNER DETAIL

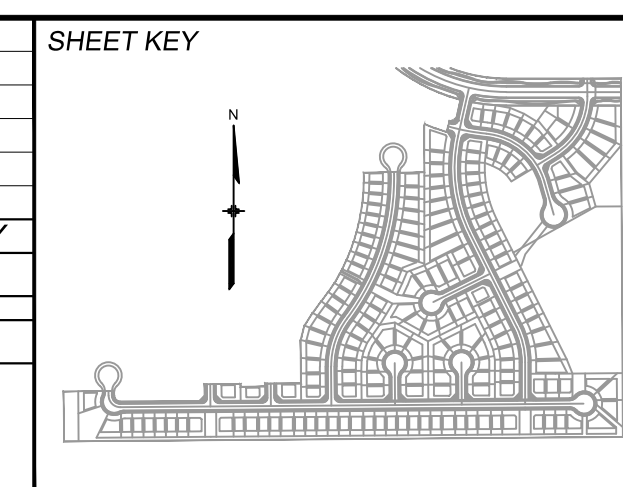
SCALE: 1 1/2" = 1'-0"



RAIL ANCHORAGE DETAIL

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

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\Structures\Railing.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 12:04:13 PM			
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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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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

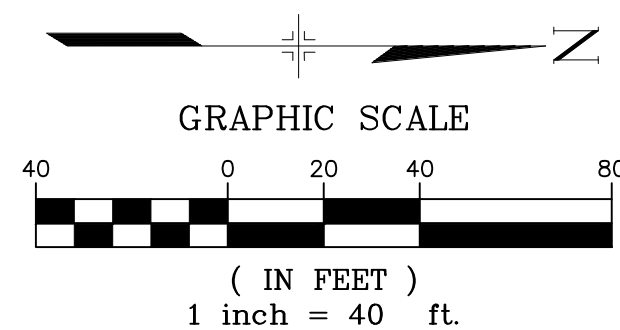
RAILING DETAILS

EPC 2/13/2020

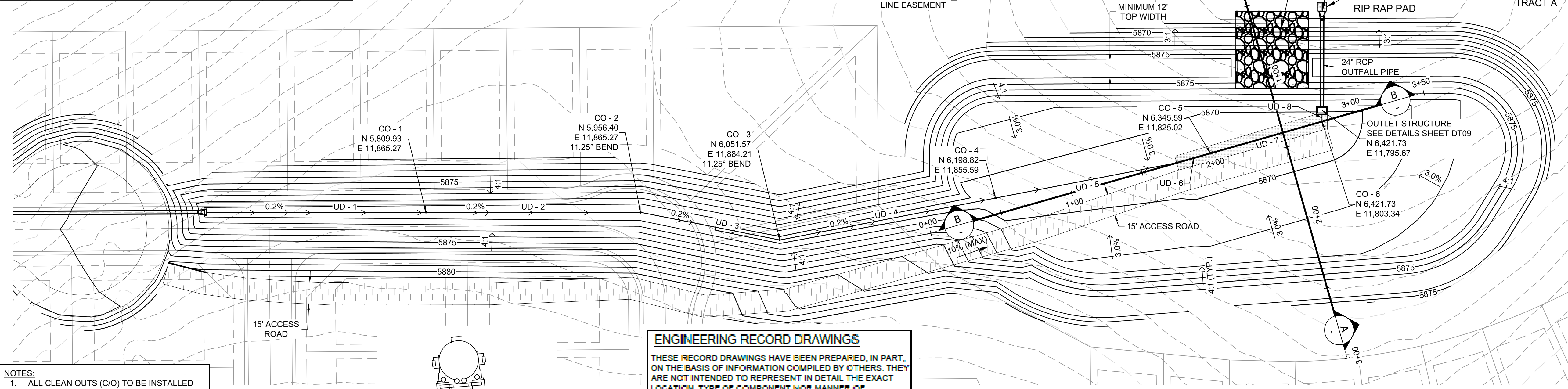
DESIGNED BY: AAC	SCALE: N/A	DATE ISSUED: SEPTEMBER, 2019	DRAWING No. DT07
DRAWN BY: AAC	HORIZ: N/A	SHEET 71 OF 73	
CHECKED BY: KSL	VERT: N/A		



Know what's below. Call before you dig.



- 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



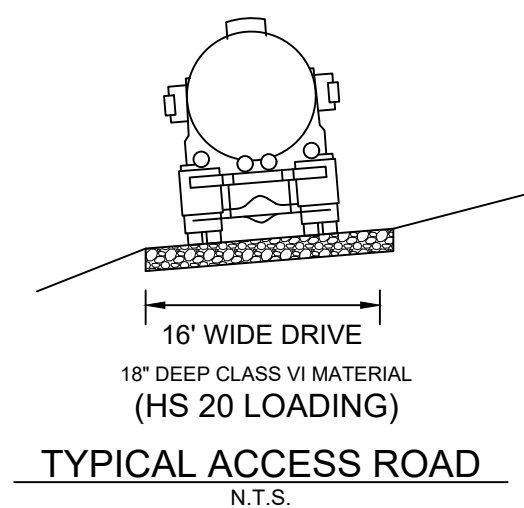
Pipe Table

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

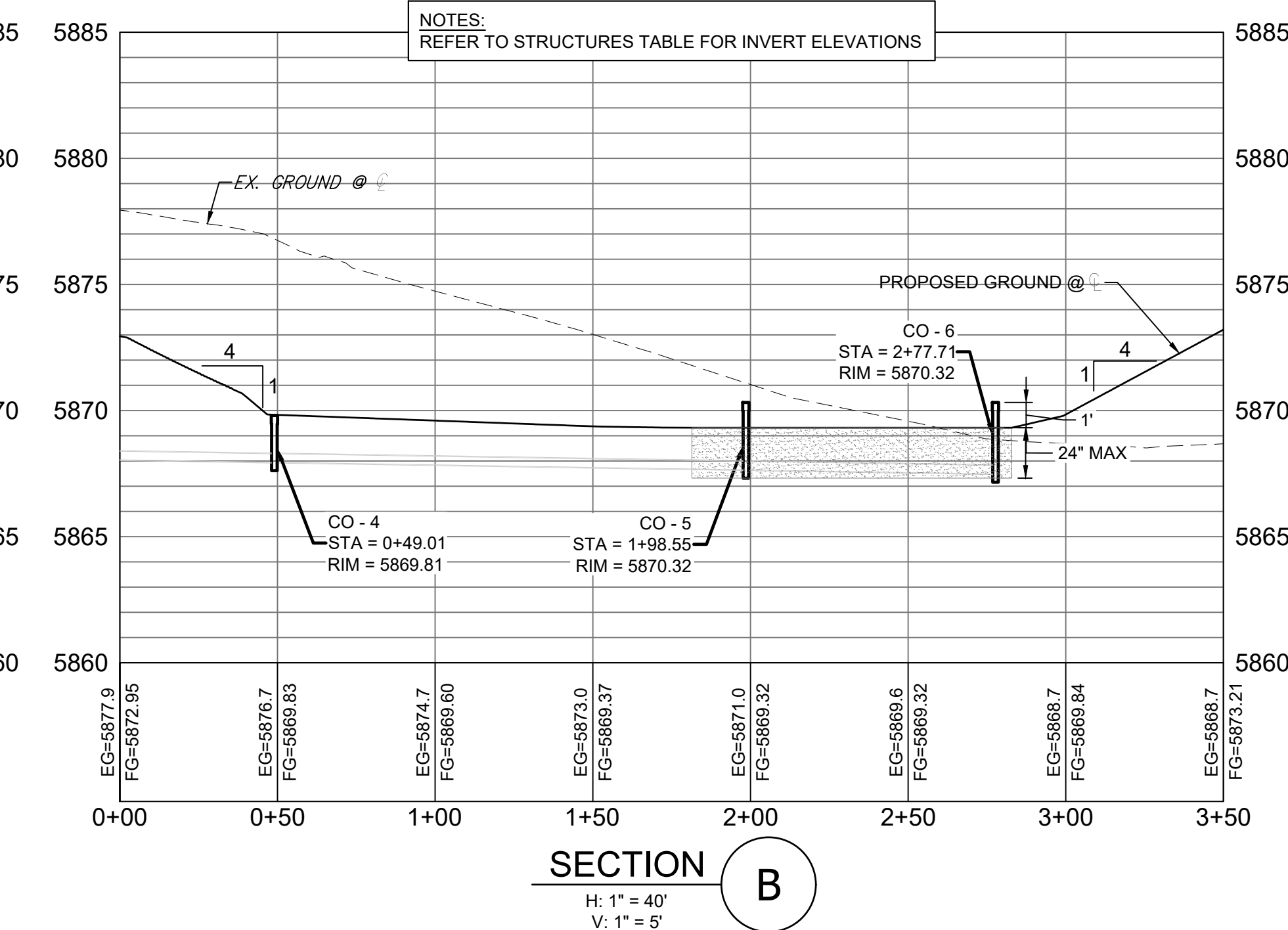
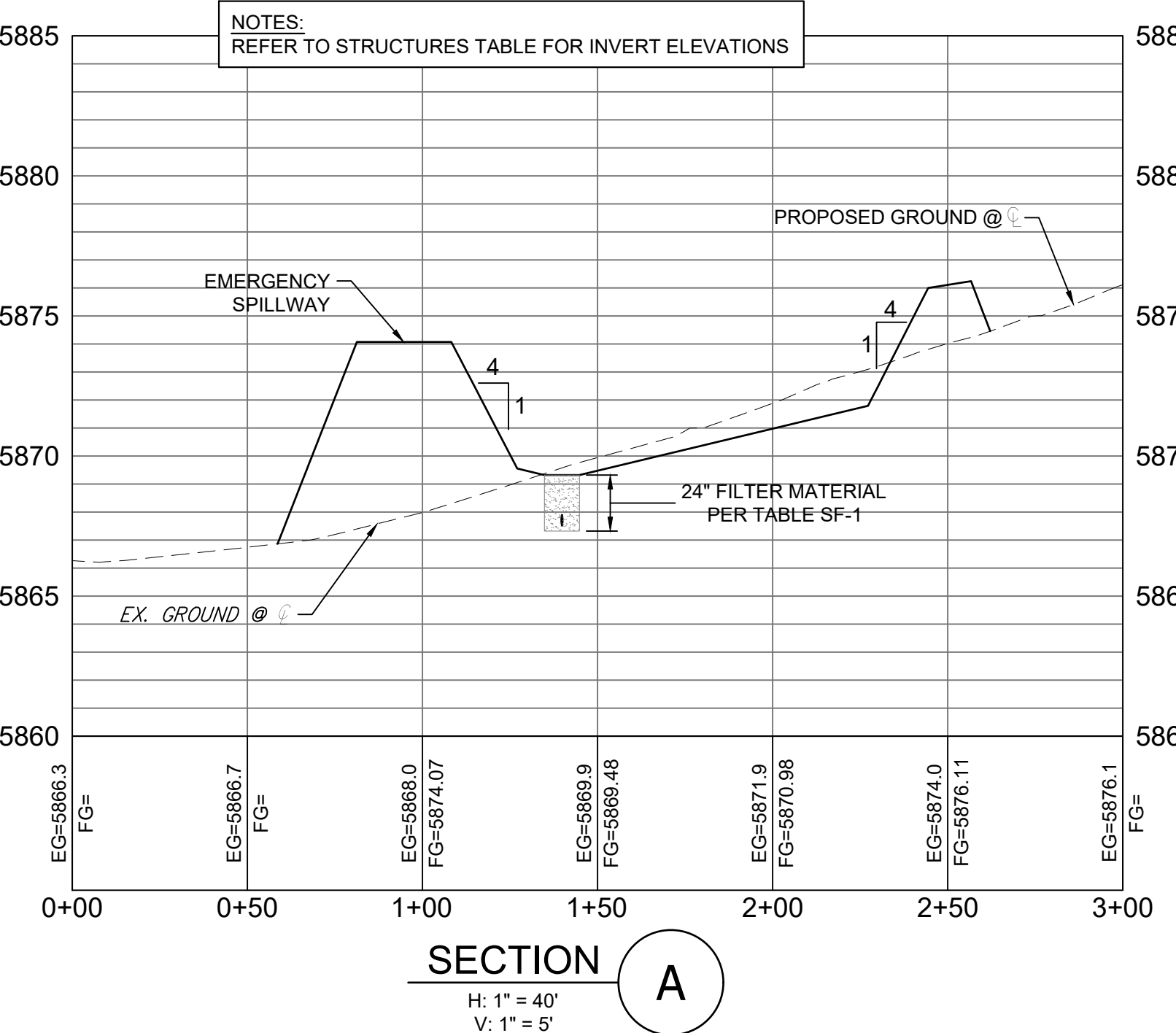
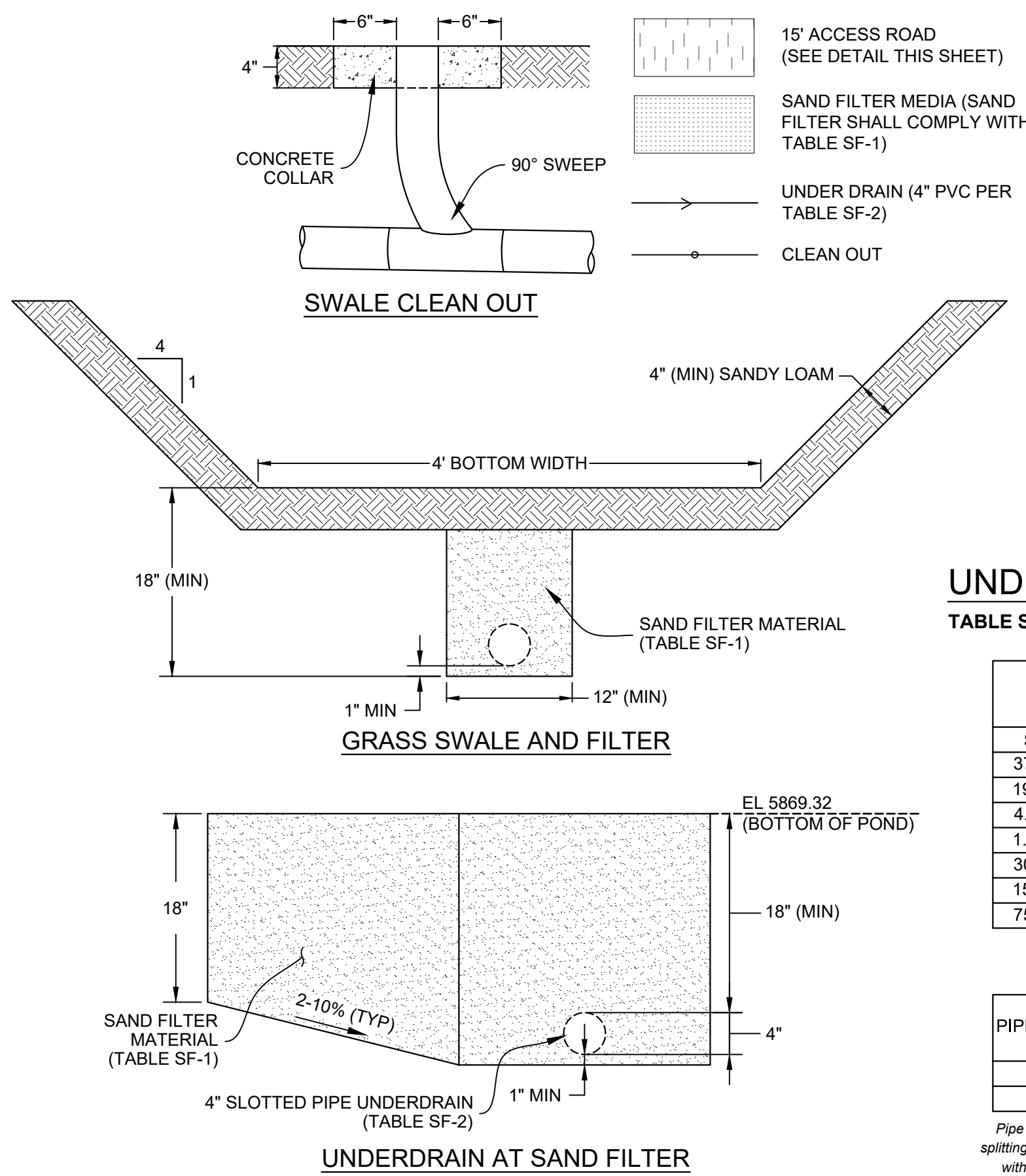
- NOTES:**
1. ALL CLEAN OUTS (C/O) TO BE INSTALLED WITH 90° SWEEP AND WATERTIGHT CAPS.
 2. ALL CLEAN OUT RIM ELEVATIONS WITHIN SWALE TO MATCH FINISHED GRADE.
 3. ALL CLEAN OUT RIM ELEVATIONS WITHIN SAND FILTER MEDIA TO BE 1' HIGHER THAN BOTTOM OF POND ELEVATION 5869.32.



ENGINEERING RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS. REFER TO ORIGINAL DRAWINGS FOR SIGNATURES AND SEALS.

Nicole Schanel
Date: 09/30/22
NICOLE SCHANEL, PE #52434
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.



UNDERDRAIN

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

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

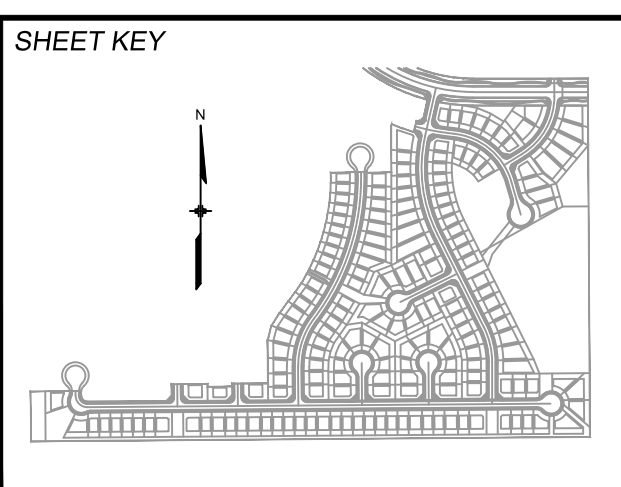
TABLE SF-2 Dimensions for slotted pipe

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).

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\SD19.dwg			
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 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)

PREPARED BY:
Matrix DESIGN GROUP

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

TRAILS AT ASPEN RIDGE

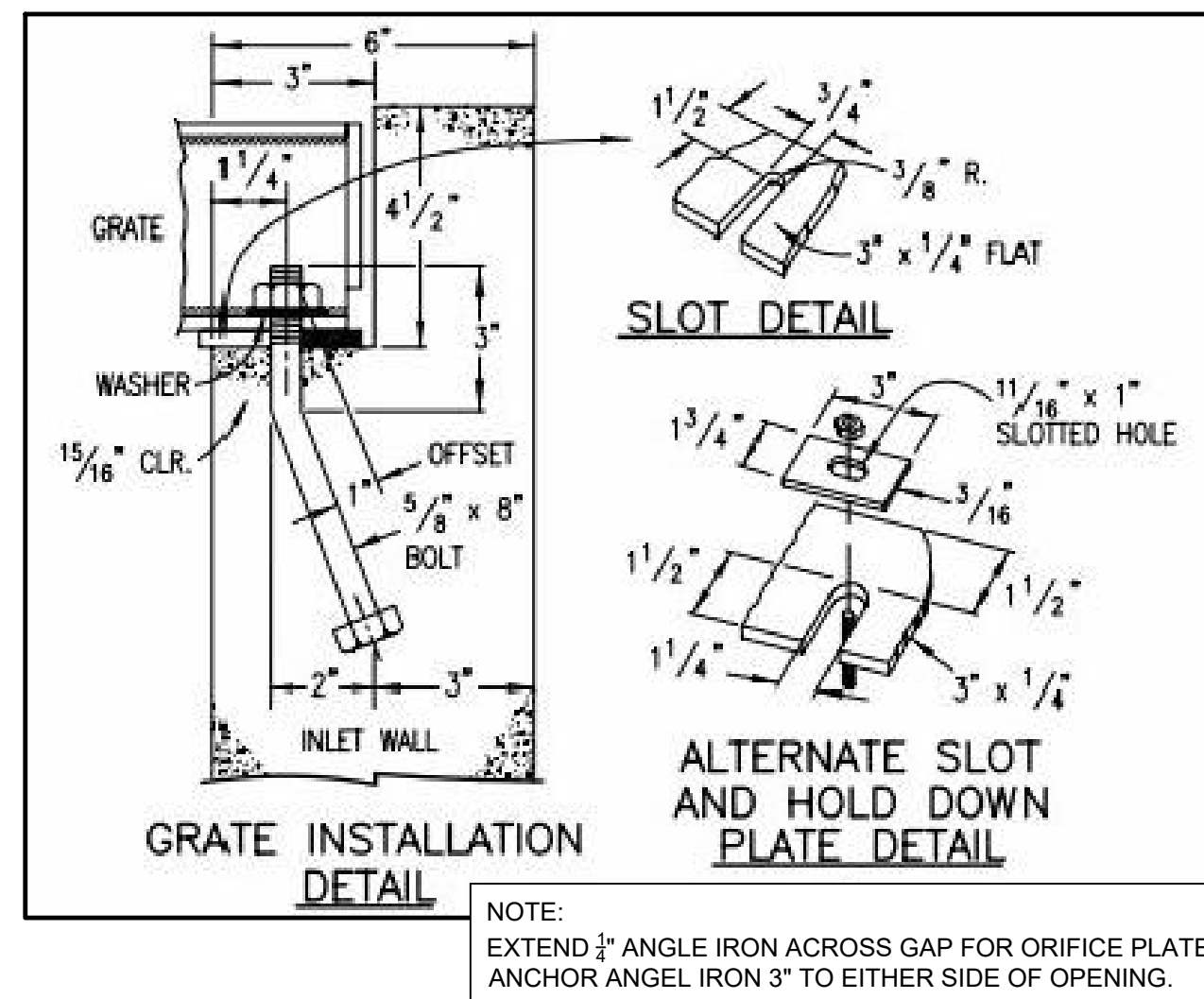
FILING NO. 1 EPC 2/13/2020
ROADWAY & STORM IMPROVEMENT PLANS

WEST POND LAYOUT, PROFILES, SECTIONS, DETAILS, AND TABLES

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



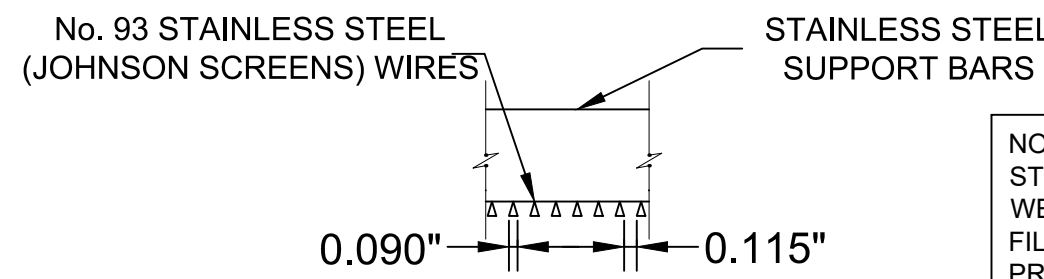
Know what's below.
Call before you dig.



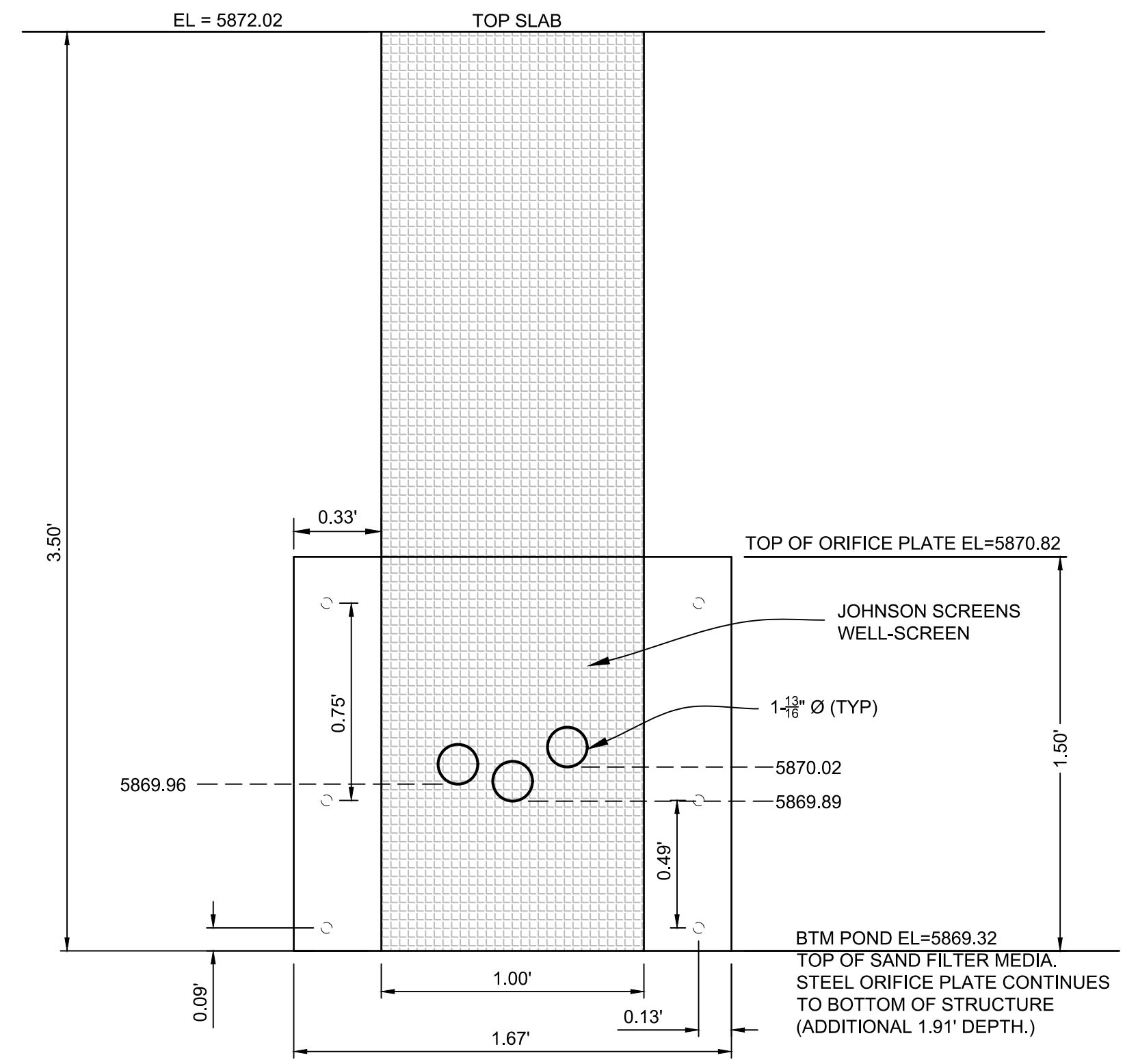
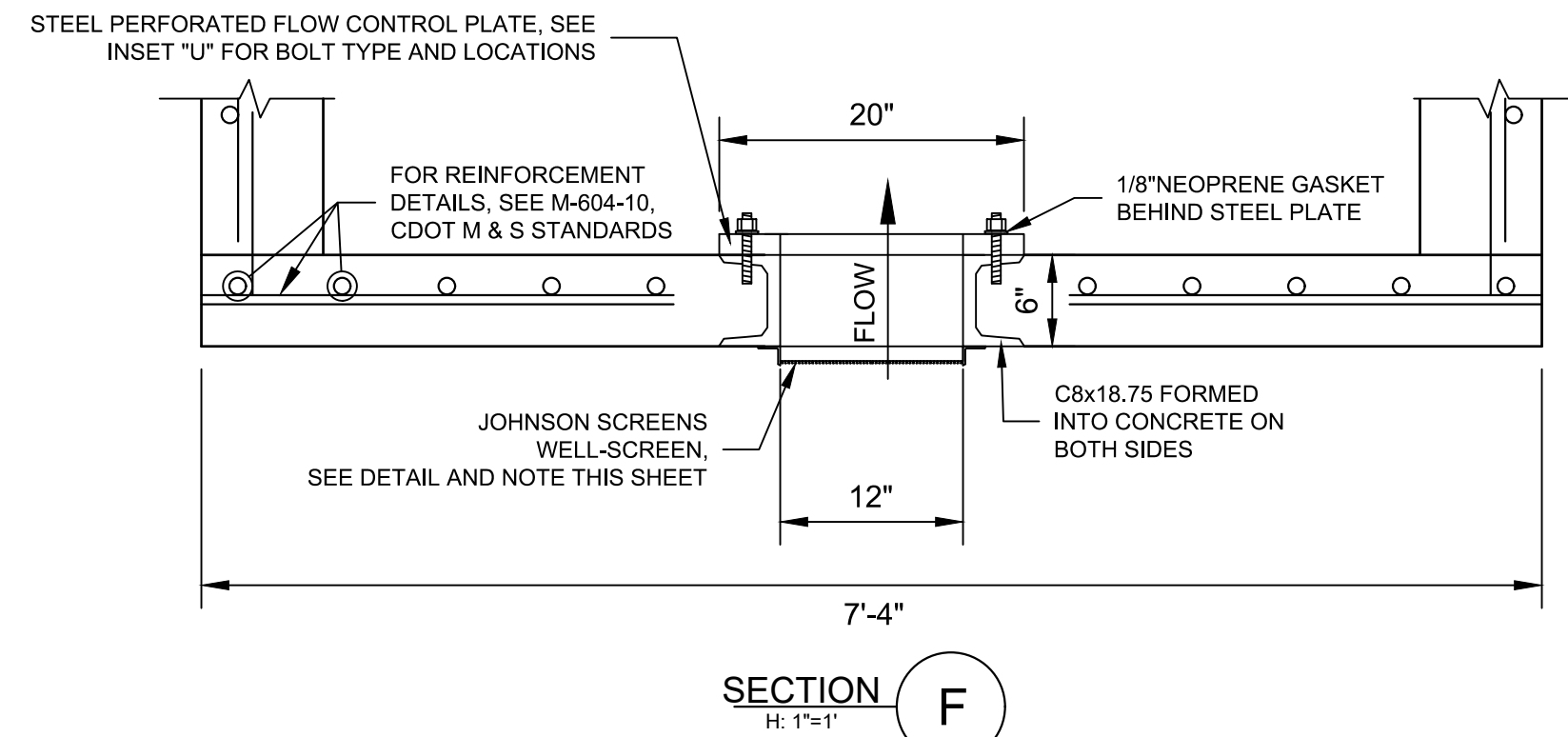
NOTE:
EXTEND 3/4" ANGLE IRON ACROSS GAP FOR ORIFICE PLATE.
ANCHOR ANGLE IRON 3" TO EITHER SIDE OF OPENING.

JOHNSON SCREENS STAINLESS STEEL VEE WIRE FILTERS WELL-SCREEN (OR EQUAL)

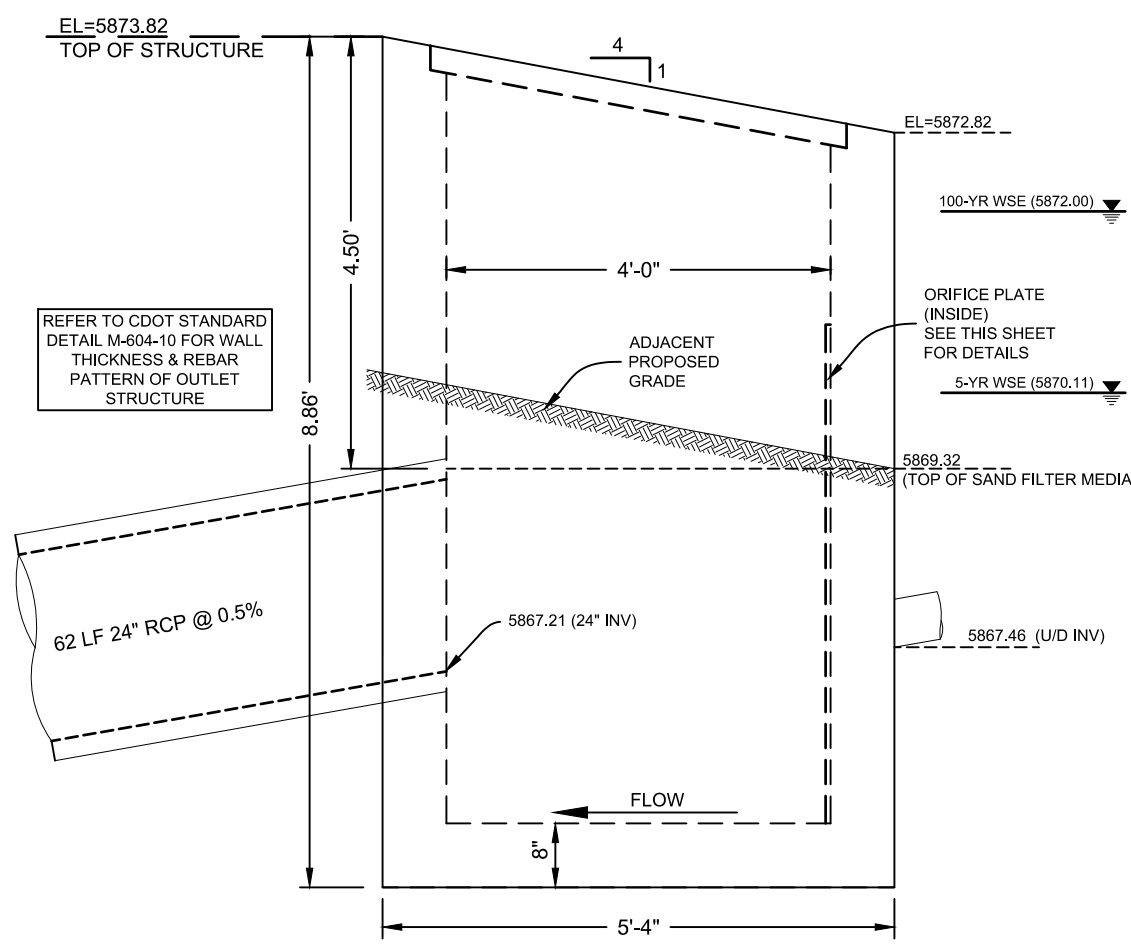
STRUCTURE	SCREEN #93 VEE WIRE SLOT OPENING	SUPPORT ROD TYPE & SPACING	TOTAL SCREEN THICKNESS	CARBON STEEL FRAME TYPE
OUTLET STRUCTURES	0.139	#156 VEE @ 3/4" O.C.	0.31"	3/8" x 1" BAR



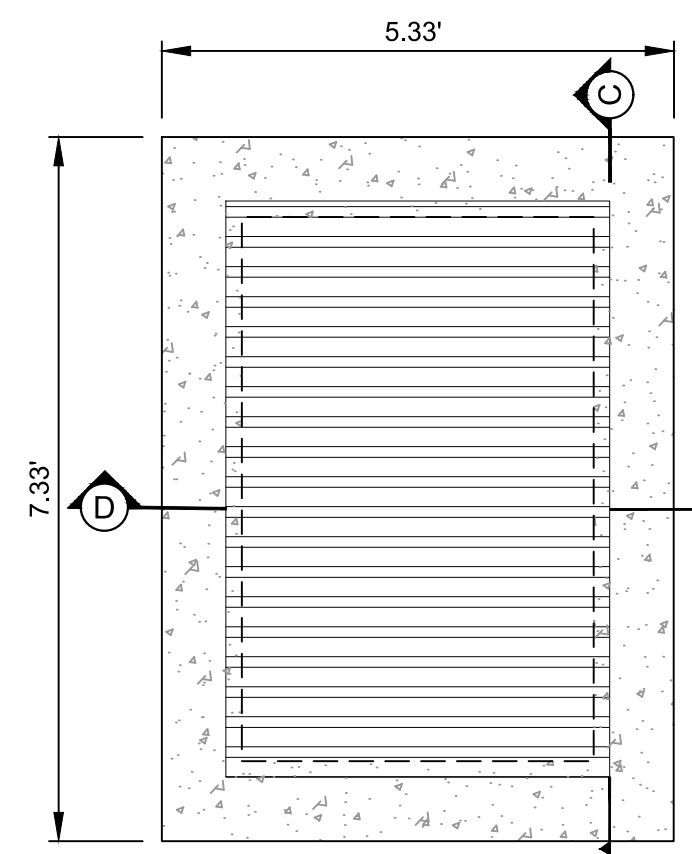
NOTE:
STRUCTURE SHALL BE CONSTRUCTED TO ALLOW FOR INSTALLATION OF WELL SCREEN BELOW PROPOSED SAND FILTER MEDIA IN A FUTURE FILING. IF BOLTS OR BOLT HOLES ARE PROVIDED, THEY SHALL BE PROTECTED FROM CORROSION AND PLUGGING BY SAND MEDIA. THE SCREEN SHALL NOT BE INSTALLED IN THE SAND FILTER MEDIA.



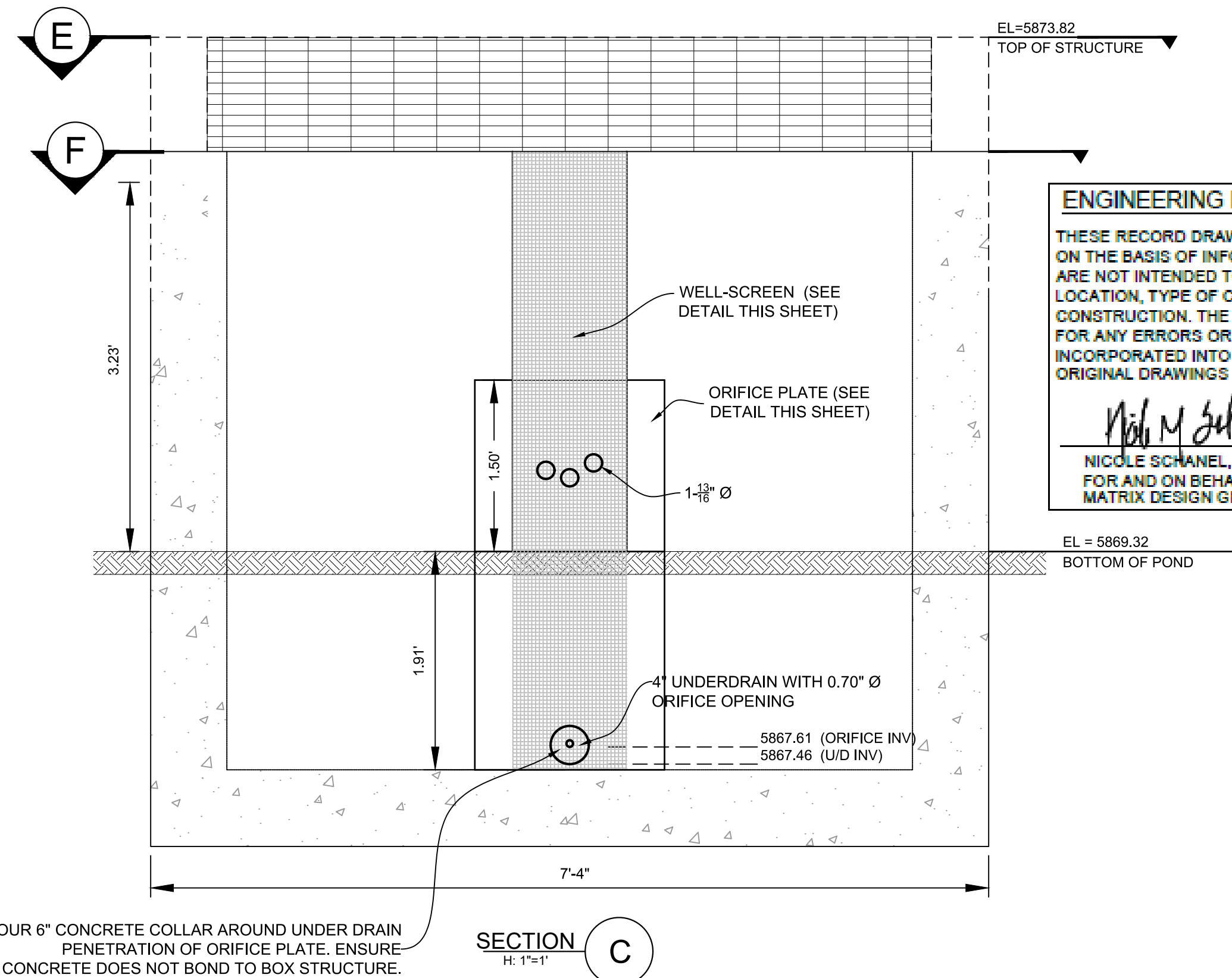
NOTE:
ORIFICE PLATE WILL BE REPLACED OR MODIFIED BY FUTURE FILINGS.



SECTION D
H: 1'-2"



SECTION E
H: 1'-2"



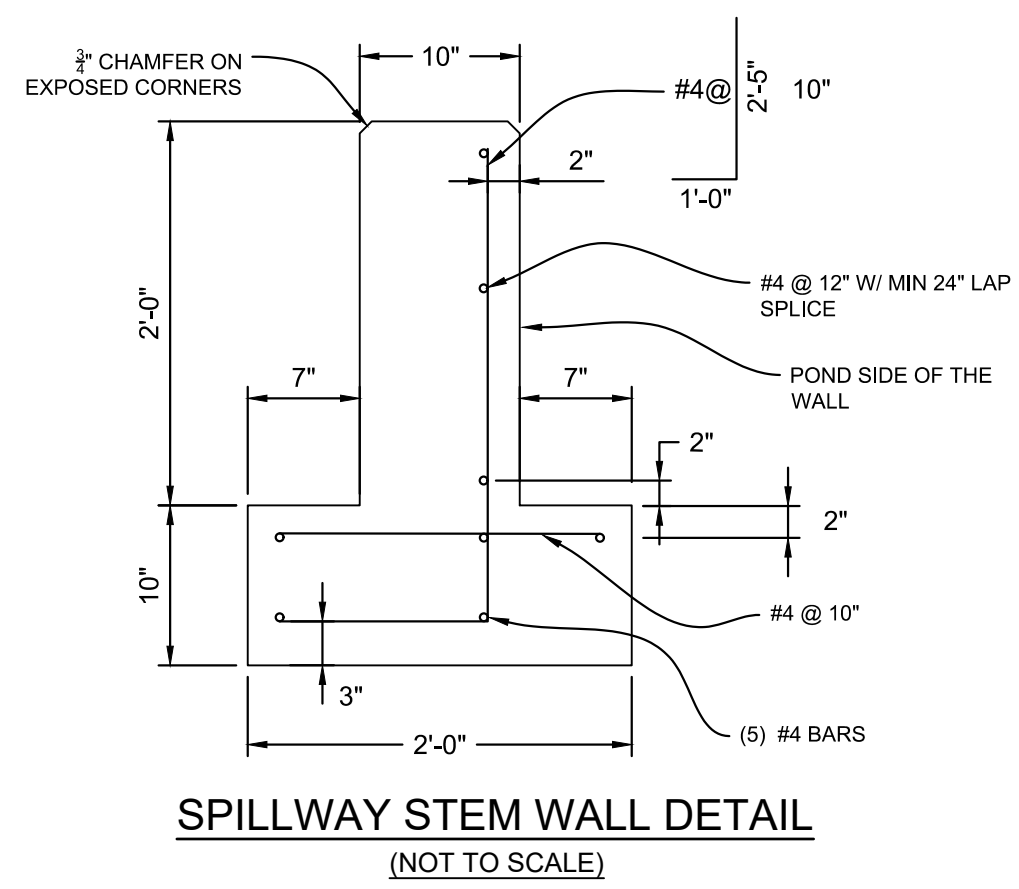
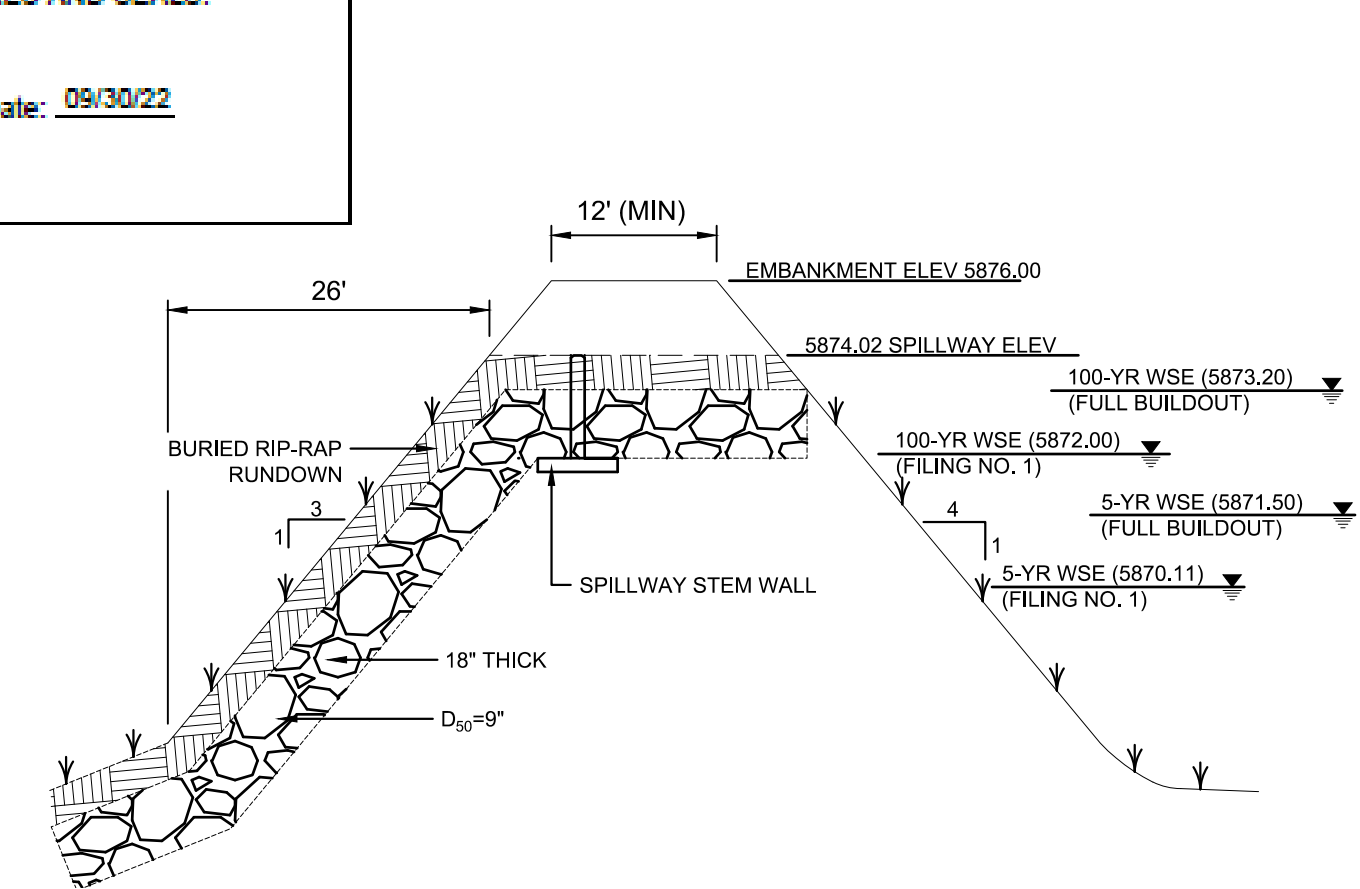
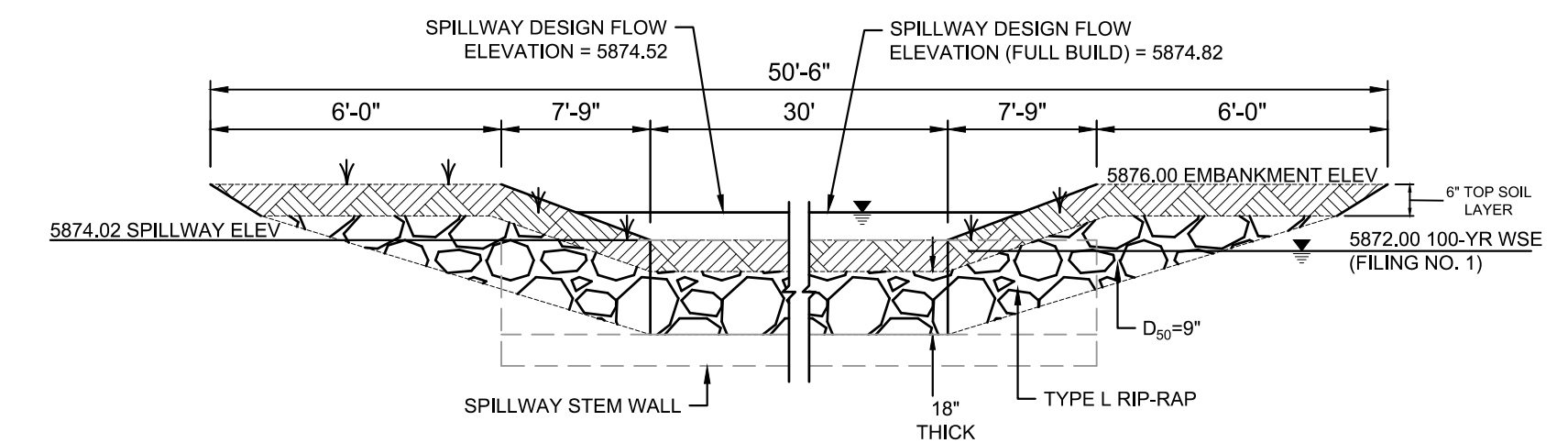
SECTION C
H: 1'-1"

POUR 6" CONCRETE COLLAR AROUND UNDER DRAIN PENETRATION OF ORIFICE PLATE. ENSURE CONCRETE DOES NOT BOND TO BOX STRUCTURE.

ENGINEERING RECORD DRAWINGS

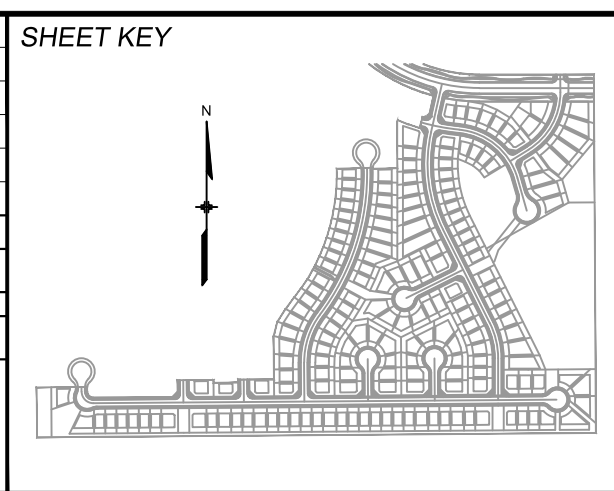
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Nicole Schanel Date: 09/30/22
NICOLE SCHANEL, PE #52434 FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.



EMERGENCY SPILLWAY DETAILS
(NTS)

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\Structures\West Pond Structures.dwg			
CTB FILE: ---			
PLOT DATE: January 23, 2020 12:05:14 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



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PREPARED BY:
Matrix DESIGN GROUP

SEAL
COLORADO LICENSED PROFESSIONAL ENGINEER
NICOLE W. SCHANEL
#52434
1/16/20

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

WEST POND SECTIONS AND DETAILS
EPC 2/13/2020

DESIGNED BY: WME	SCALE: N/A	DATE ISSUED: JANUARY 2020	DRAWING No. DT09
DRAWN BY: WME	HORIZ: N/A		
CHECKED BY: JTS	VERT: N/A	SHEET 73 OF 73	