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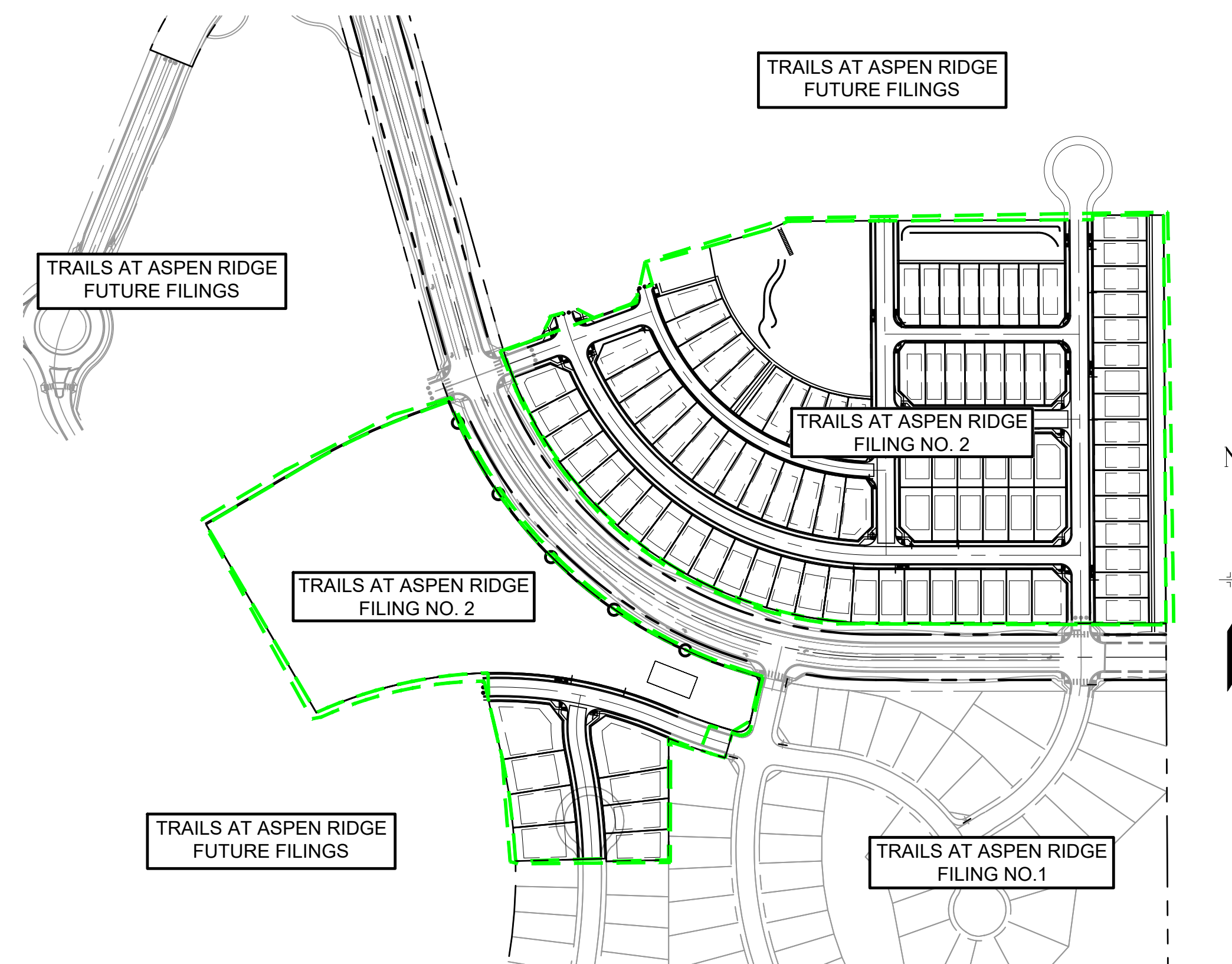
# TRAILS AT ASPEN RIDGE FILING NO.2

EL PASO COUNTY, CO

## ROADWAY & STORM IMPROVEMENT PLANS

NOVEMBER, 2019

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**SITE MAP**

1" = 200'

**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.

RANDY O'LEARY, PRESIDENT  
COLA, LLC  
555 MIDDLE PARKWAY  
COLORADO SPRINGS, CO 80921

**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: \_\_\_\_\_ Date: \_\_\_\_\_

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

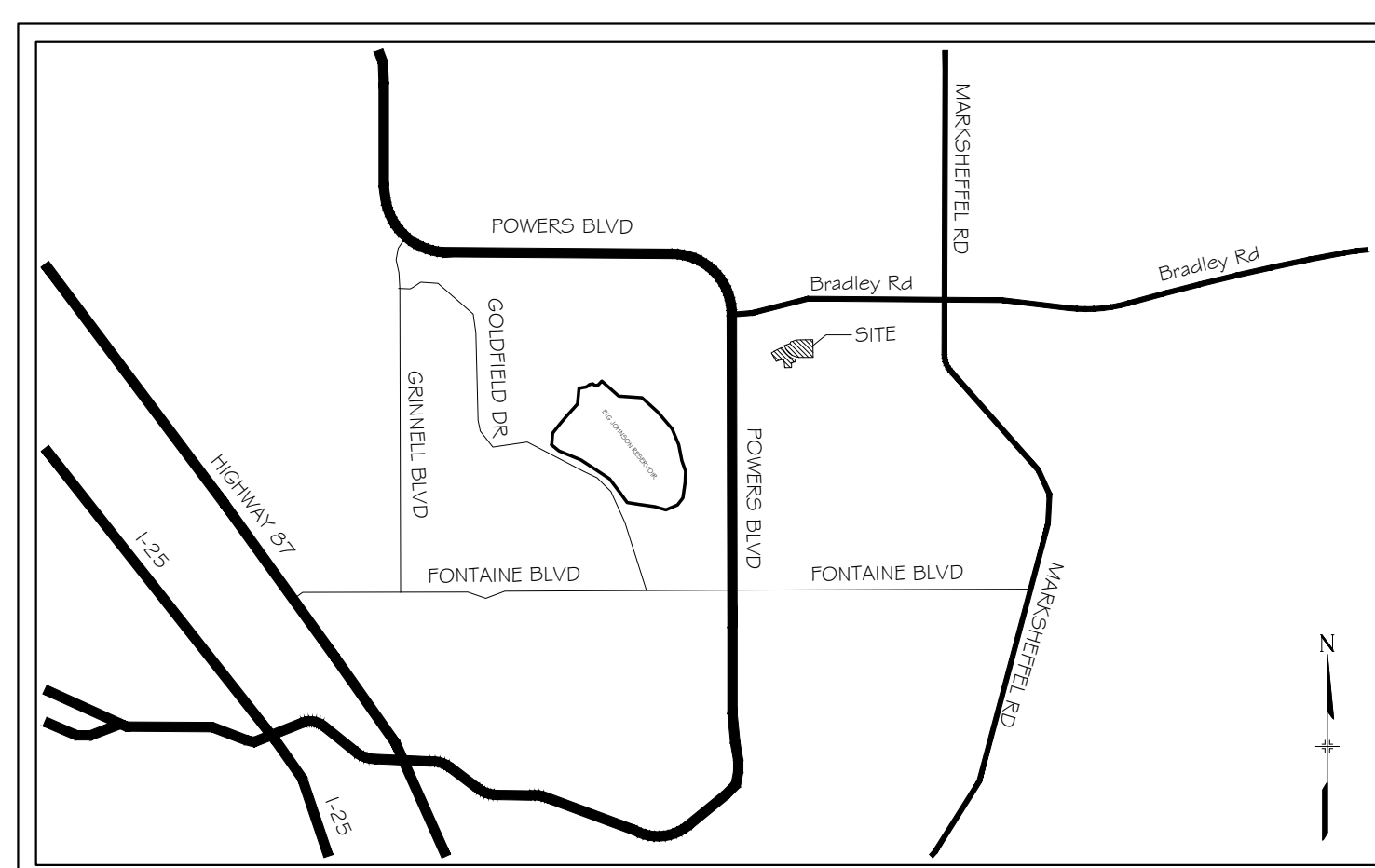
**EL PASO COUNTY:**

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.

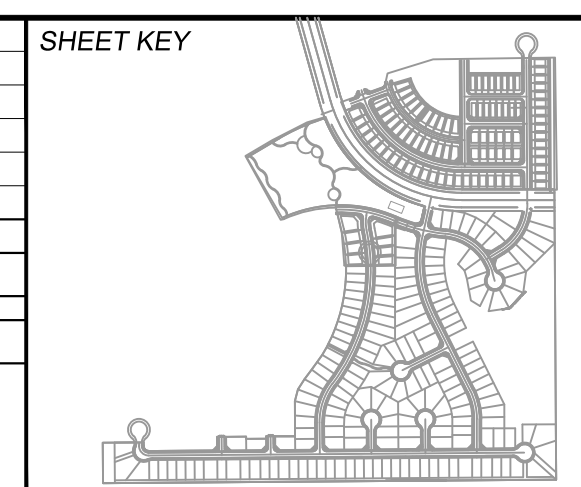
IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF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

JENNIFER IRVINE, P.E. \_\_\_\_\_ DATE \_\_\_\_\_  
COUNTY ENGINEER / ECM ADMINISTRATOR



**VICINITY MAP**  
N.T.S.

No.	DATE	DESCRIPTION	BY
<b>COMPUTER FILE MANAGEMENT</b>			
FILE NAME: S:\19.886.014 (Trails at Aspen Ridge - F2)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\TS01.dwg			
PLOT DATE: November 8, 2019 1:19:48 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 - 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  
**PRELIMINARY**  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

<b>TRAILS AT ASPEN RIDGE</b>			
FILING NO. 2			
ROADWAY & STORM IMPROVEMENT PLANS			
TITLE SHEET			
DESIGNED BY: NMS	SCALE: N/A	DATE ISSUED: NOVEMBER, 2019	DRAWING No. TS01
DRAWN BY: CRD	HORIZ: N/A	SHEET 1 OF 35	
CHECKED BY: NMS	VERT: N/A		



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GENERAL NOTES:

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL, REVISED 12-13-2016 AND CDOT STANDARD SPECIFICATIONS, LATEST REVISION.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH APPLICABLE STANDARDS AND REGULATIONS AS SET FORTH BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (O.S.H.A.).
3. NO FIELD CHANGES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE FIELD ENGINEER.
4. SUBMITTALS SHALL BE MADE FOR ALL MATERIALS TO BE INCORPORATED INTO THE PROJECT.
5. UTILITY LINES AS SHOWN ON THE PLAN SHEETS ARE PLOTTED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND PROTECTION OF ALL UTILITIES IN PLACE.
6. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO AT 1-800-922-1987 TWO BUSINESS DAYS IN ADVANCE OF ANY EXCAVATION OR GRADING.
7. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL UTILITY AND STRUCTURES AFFECTED BY THE WORK AND ANY DAMAGE SHALL BE REPAIRED AND RESTORED TO THE SATISFACTION OF THE RESPECTIVE UTILITY OWNER. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE ALL UTILITY RELOCATIONS AS NECESSARY. THE COUNTY ENGINEERING INSPECTIONS, UTILITY DEPARTMENTS AND UTILITY OWNERS SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WHERE THESE UTILITIES MAY BE AFFECTED.
8. IN SOME OF THE PROPOSED AREAS OF CONSTRUCTION EXISTING UNDERGROUND TELEPHONE, FIBER AND CABLE TELEVISION FACILITIES MAY BE LOCATED IN CLOSE PROXIMITY TO THE WORK. THE CONTRACTOR MAY, IF NECESSARY, TEMPORARILY DISPLACE THE CABLES DURING CONSTRUCTION AND REINSTALL THEM IN ACCORDANCE WITH THE APPROPRIATE TELEPHONE, FIBER OR CABLE COMPANY'S GUIDELINES. COORDINATION WITH BOTH THE TELEPHONE AND CABLE TELEVISION COMPANY IS REQUIRED TO BE DONE BY THE CONTRACTOR.
9. THE CONTRACTOR SHALL OBTAIN AN APPROVED TRAFFIC CONTROL PLAN PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
10. THE PHYSICAL FEATURES WITHIN THE LIMITS OF THE PROJECT HAVE BEEN SHOWN BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF DESIGN. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE FEATURES SHOWN. THE CONTRACTOR SHALL REVIEW AND VERIFY EXISTING PHYSICAL FEATURES AND ELEVATIONS THEMSELVES OF THE CONDITIONS TO BE ENCOUNTERED DURING THE CONSTRUCTION.
11. THE CONTRACTOR SHALL LIMIT ALL WORK AND STORAGE AREAS TO THE PUBLIC RIGHT-OF-WAYS AND EASEMENTS. USE OF ANY PRIVATE AREAS FOR THIS PROJECT BY THE CONTRACTOR MUST BE APPROVED IN WRITING BY THE PROPERTY OWNER WITH A COPY OF THIS APPROVAL PROVIDED TO THE FIELD ENGINEER PRIOR TO USAGE.
12. ALL CONSTRUCTION IS TO INCLUDE COMPACTION AND FINISH GRADING IN THE UNIT PRICE RELATED WORK ITEM.
13. ALL WORK SHALL BE DONE TO THE LINES, GRADES, SECTIONS, AND ELEVATIONS SHOWN ON THE PLANS UNLESS OTHERWISE NOTED OR APPROVED BY THE FIELD ENGINEER.
14. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY EL PASO COUNTY AND THE FIELD ENGINEER.
15. THE FIELD ENGINEER SHALL BE NOTIFIED WITHIN 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.
16. PAYMENT, DIMENSIONS AND RADII ARE SHOWN TO THE LIP OF CURB UNLESS OTHERWISE NOTED.
17. THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE AND/OR TOES OF SLOPE AS SHOWN ON THE PLANS. ANY DISTURBANCE BEYOND THESE LIMITS SHALL BE RESTORED TO ORIGINAL CONDITIONS BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.
18. THE CONTRACTOR SHALL CLOSELY MONITOR ACCESS FOR HEAVY CONSTRUCTION EQUIPMENT THROUGH THE PROJECT AREAS.
19. WHERE PAVEMENT IS TO ABUT EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE REMOVED TO A NEAT VERTICAL LINE BY FULL DEPTH SAWING. SAWING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCIDENTAL TO "REMOVAL OF ASPHALT PAVEMENT". THE CONTRACTOR WILL BE REQUIRED TO PAINT THE EDGE OF CUT PAVEMENT WITH DILUTED EMULSIFIED ASPHALT (SLOW SETTING) PRIOR TO PAVING OPERATIONS. VERTICAL EDGES SHALL NOT REMAIN OVERNIGHT. DILUTED EMULSIFIED ASPHALT FOR TACK COAT SHALL CONSIST OF ONE PART EMULSIFIED ASPHALT AND ONE PART WATER.
20. WATER SHALL BE USED AS A DUST PALLIATIVE WHERE REQUIRED. LOCATIONS SHALL BE AS ORDERED. THE COST OF WATER SHALL BE INCIDENTAL TO OTHER BID ITEMS.
21. THE PHYSICAL FEATURES REQUIRING REMOVAL OR OBLITERATION WITHIN THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF OFF-SITE.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING ANY MONUMENT, RANGE POINTS, TIES, BENCHMARKS AND/OR SURVEY CONTROL POINTS WHICH MAY BE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENT BY A REGISTERED PROFESSIONAL LAND SURVEYOR AUTHORIZED TO PRACTICE LAND SURVEYING IN THE STATE OF COLORADO.
23. THE CONTRACTOR SHALL HAVE A COPY OF ALL APPLICABLE STANDARDS AND PLANS ON SITE FOR THE DURATION OF THE PROJECT.
24. THE CONTRACTOR SHALL NOT STOCKPILE MATERIAL WITHIN 10 FEET OF THE EDGE OF TRAVELED WAY.
25. ANY LAYER OF BITUMINOUS PAVEMENT THAT IS TO HAVE SUCCEEDING LAYER PLACED THEREON SHALL BE COMPLETED FULL WIDTH BEFORE SUCCEEDING LAYER IS PLACED.
26. BEFORE PLACEMENT OF THE TACK COAT, THE CONTRACTOR SHALL CLEAN THE PRESENT ROADWAY AS DIRECTED. CLEANING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PROJECT.
27. A TACK COAT OF EMULSIFIED ASPHALT (SLOW SETTING) IS TO BE APPLIED BETWEEN PAVEMENT COURSES TO IMPROVE BOND. DILUTED EMULSIFIED ASPHALT FOR TACK COAT SHALL CONSIST OF 1 PART EMULSIFIED ASPHALT AND 1 PART WATER.

GENERAL NOTES con't.:

- 28. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN TEMPORARY TRAFFIC CONTROL DEVICES NECESSARY THROUGHOUT THE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL CONTACT TRAFFIC ENGINEERING FORTY-EIGHT (48) HOURS IN ADVANCE FOR ANY REQUIRED MODIFICATION OF TRAFFIC SIGNALS WITHIN CONSTRUCTION AREAS AS NECESSARY TO MAINTAIN SAFE OPERATIONS.
29. ANY DISCREPANCY WITHIN THESE PLANS SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND WORK SHALL STOP UNTIL THE DISCREPANCY IS DISCUSSED AND DECISIONS/AGREEMENTS HAVE BEEN MADE.

EARTHWORK:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LEGAL DISPOSAL OF ANY EXCESS SOIL, DEBRIS AND WASTE MATERIAL OFF OF THE PROJECT SITE.
2. ANY MATERIAL NOT SUITABLE FOR BACKFILL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF, BY AND AT THE EXPENSE OF THE CONTRACTOR.
3. ANY SOIL LYING BELOW THE SUBGRADE ELEVATION WHICH IS DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL IN ACCORDANCE WITH THE SPECIFICATION REQUIREMENTS.

BENCHMARK AND SURVEY CONTROL:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION STAKING OF BOTH HORIZONTAL AND VERTICAL LAYOUT ON THIS PROJECT. COORDINATES ARE REFERENCED IN THE COORDINATE LIST SHOWN ON THESE PLANS. THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT ENGINEER FOR INTERPRETATION AND INFORMATION IN STAKING OF THE PROJECT FOR CONSTRUCTION.
2. PRIOR TO PROJECT COMPLETION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY PROPERTY MONUMENTATION DISTURBED OR REMOVED BY CONSTRUCTION OPERATIONS. THIS WORK SHALL BE PERFORMED BY A LAND SURVEYOR LICENSED IN THE STATE OF COLORADO. PROPERTY CORNERS WHICH FALL WITHIN NEW CONCRETE FLATWORK SHALL BE DURABLE AND SET FLUSH. THIS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

TRAFFIC GENERAL NOTES:

- 1. THE CONTRACTOR SHALL PREPARE A DETAILED TRAFFIC CONTROL PLAN, SUBMIT TO EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS FOR APPROVAL, AND OBTAIN APPROPRIATE PERMITS IN ACCORDANCE WITH THE M.U.T.C.D.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE TRAFFIC CONTROL, INCLUDING PEDESTRIAN DETOURS. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, INSTALLING, AND MAINTAINING THE TEMPORARY TRAFFIC CONTROL DEVICES THROUGHOUT THE DURATION OF THE PROJECT.
3. APPROVAL OF THESE PLANS BY THE COUNTY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS BEEN ISSUED.
4. THE APPROVAL OF THESE PLANS OR ISSUANCE OF A PERMIT BY EL PASO COUNTY DOES NOT AUTHORIZE THE OWNER OR CONTRACTOR TO VIOLATE ANY FEDERAL, STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICIES.
5. ALL TRAFFIC SIGNS, PAVEMENT MARKINGS, AND TRAFFIC SIGNALS SHALL MEET OR EXCEED M.U.T.C.D. STANDARDS.
6. THE CONTRACTOR SHALL NOT REMOVE ANY EXISTING SIGNS, PAVEMENT MARKINGS, OR TRAFFIC SIGNALS DURING THE PROJECT WITHOUT SIGNED AUTHORIZATION OF THE EL PASO COUNTY INSPECTOR ASSIGNED TO THE PROJECT.

CONSTRUCTION NOTES:

- 1. ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
3. CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:
a. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
b. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
c. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
d. CDOT M & S STANDARDS
4. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
5. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.

CONSTRUCTION NOTES con't.:

- 6. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (PCD) - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
8. CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
10. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
12. SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA. [IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.]
14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
15. THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

SIGNING & STRIPING NOTES :

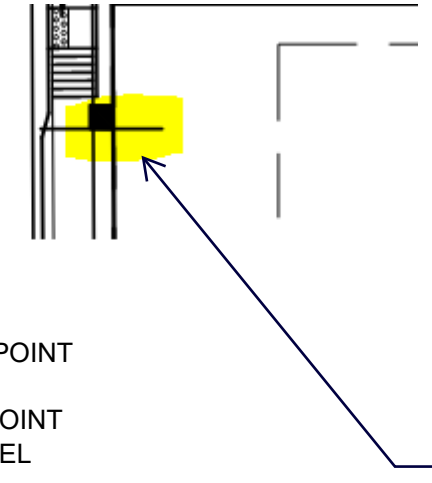
- 1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT.
4. ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN SHALL BE NEW SIGNS. EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY AND MUTCD STANDARDS.
5. STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
6. ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
7. ALL STREET NAME SIGNS SHALL HAVE "D" SERIES LETTERS, WITH LOCAL ROADWAY SIGNS BEING 4" UPPER-LOWER CASE LETTERING ON 8" BLANK AND NON-LOCAL ROADWAY SIGNS BEING 6" LETTERING, UPPER-LOWER CASE ON 12" BLANK, WITH A WHITE BORDER THAT IS NOT RECESSED. MULTI-LANE ROADWAYS WITH SPEED LIMITS OF 40 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING ON 18" BLANK WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE 2012 MUTCD "STANDARD HIGHWAY SIGNS"
8. ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
9. ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75" X 1.75" SQUARE TUBE SIGN POST AND STUB POST BASE. FOR OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S-614-8 REGARDING USE OF THE P2 TUBULAR STEEL POST SLIPBASE DESIGN.
10. ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
11. ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 125 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALKS LINES SHALL BE 12" WIDE AND 8' LONG PER CDOT S-627-1.
12. ALL LONGITUDINAL LINES SHALL BE A MINIMUM 15MIL THICKNESS EPOXY PAINT. ALL NON-LOCAL RESIDENTIAL ROADWAYS SHALL INCLUDE BOTH RIGHT AND LEFT EDGE LINE STRIPING AND ANY ADDITIONAL STRIPING AS REQUIRED BY CDOT S-627-1.
13. THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
14. THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS (DPW) PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

ABBREVIATIONS:

Table with 2 columns: Abbreviation and Full Name. Includes AD (ALGEBRAIC DIFFERENCE), ASSY (ASSEMBLY), ASTM (AMERICAN SOCIETY OF TESTING AND MATERIALS), APPROX (APPROXIMATE or APPROXIMATELY), AVE (AVENUE), AVG (AVERAGE), B/C (BACK OF CURB), etc.

ABBREVIATIONS con't:

Table with 2 columns: Abbreviation and Full Name. Includes NC (NORMAL CROWN), NIC (NOT IN CONTRACT), NO (NUMBER), NOM (NOMINAL), NTS (NOT TO SCALE), OC (ON CENTER), O/S (OFFSET), P (PROPOSED), PC (POINT OF CURVATURE), etc.



Add to Symbols

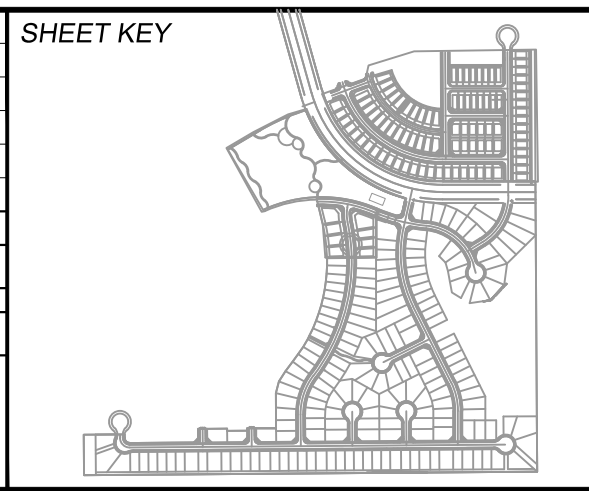
SYMBOLS

Table of symbols for road construction. Includes PROPOSED CENTERLINE, EXISTING PAVED ROAD, EXISTING UNDERGROUND UTILITY, RIGHT OF WAY, EASEMENT, EXISTING CURB & GUTTER, PROPOSED CURB & GUTTER, EXISTING CONTOUR, PROPOSED CONTOUR, PROPERTY LINE, 100 YEAR HGL, PROPOSED MANHOLE, EXISTING POWER POLE, THRUST BLOCK, FIRE HYDRANT, EXISTING WATER VALVE, PROPOSED WATER VALVE, WATER FITTINGS, EXISTING STORM INLET, PROPOSED STORM DRAIN/INLET, PLUG PIPE, PROPOSED SIGN, EXISTING SIGN.

MATERIALS LEGEND

Table of materials legend. Includes AGGREGATE BASE COURSE, CONCRETE, COMPACTED SUBGRADE, BITUMINOUS PAVEMENT (ASPHALT).

REFERENCE DRAWINGS table with columns for No., DATE, DESCRIPTION, REVISIONS, and BY. Includes COMPUTER FILE MANAGEMENT section with file name, CTB file, and plot date.



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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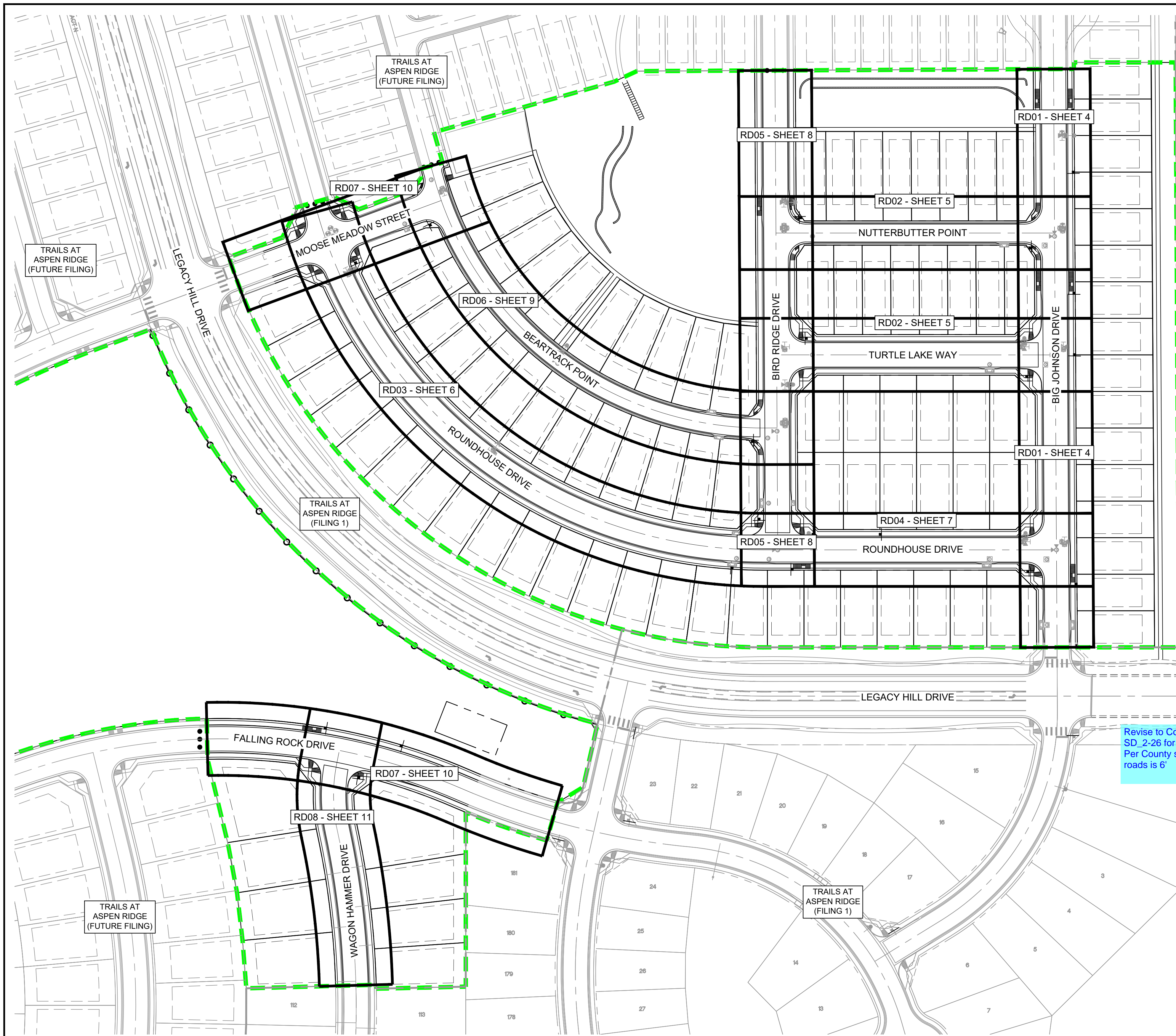
PREPARED BY: Matrix logo

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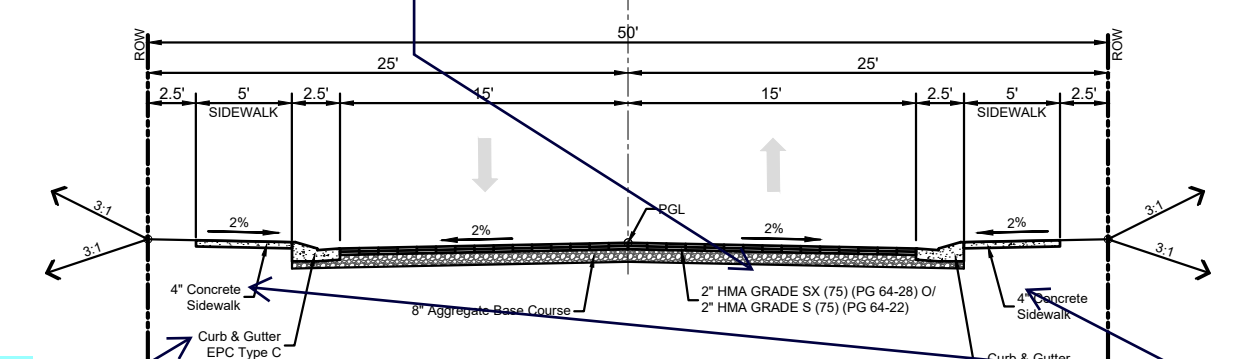
Project information table. Includes TRAILS AT ASPEN RIDGE, FILING NO. 2, ROADWAY & STORM IMPROVEMENT PLANS, ROADWAY GENERAL NOTES, DESIGNED BY, SCALE, DATE ISSUED, DRAWING No. GN01.



Know what's below.  
Call before you dig.

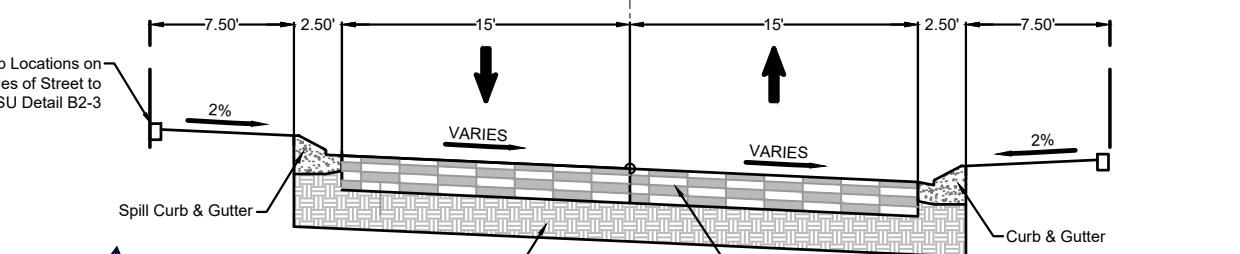
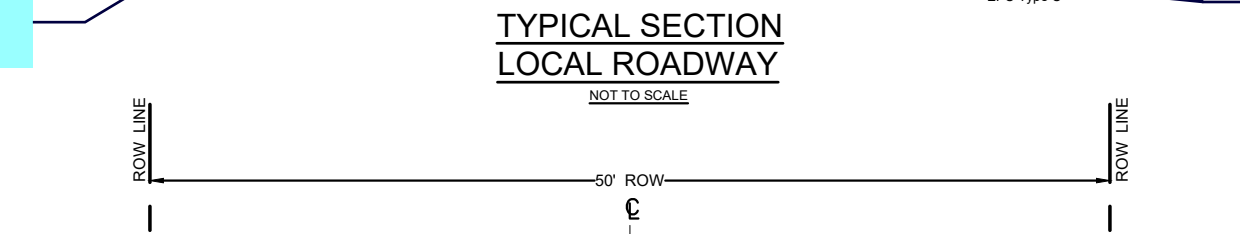


Add note this is for bid purposes only. Final pavement section is determined with the pavement report.



Revise to Optional Type C

Revise to 5"



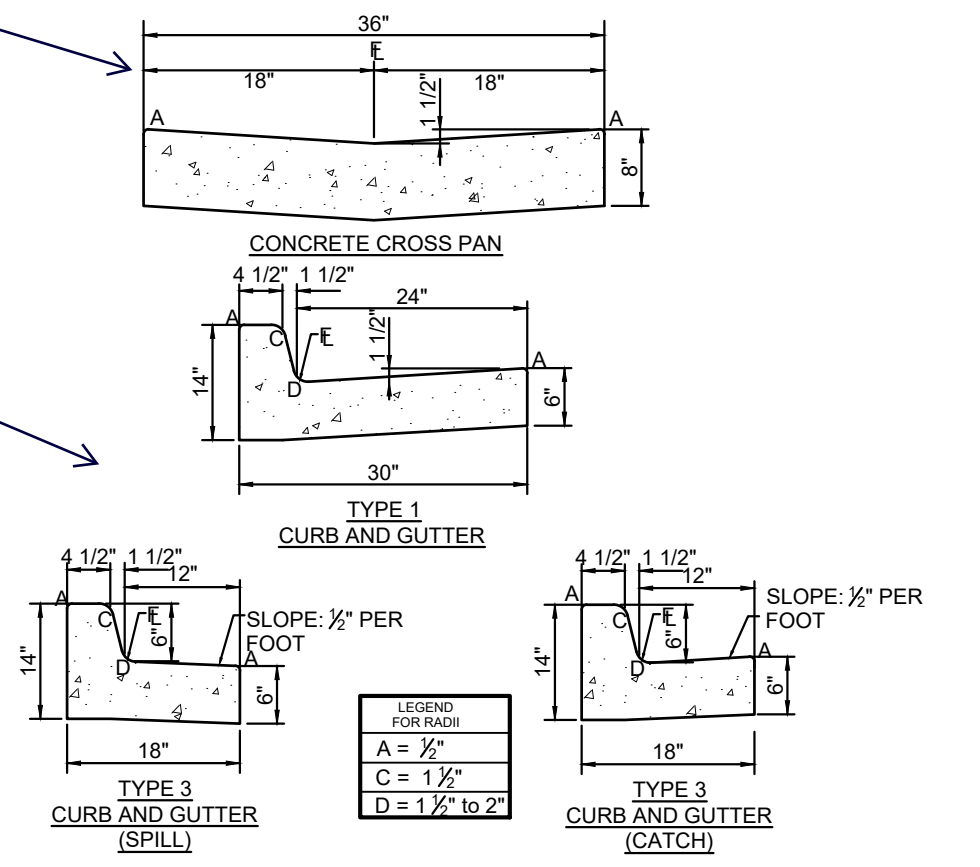
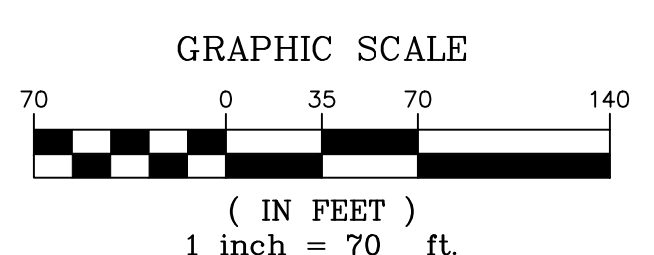
Lot line.

Specify the type of C&G (EPC Opt Type C).

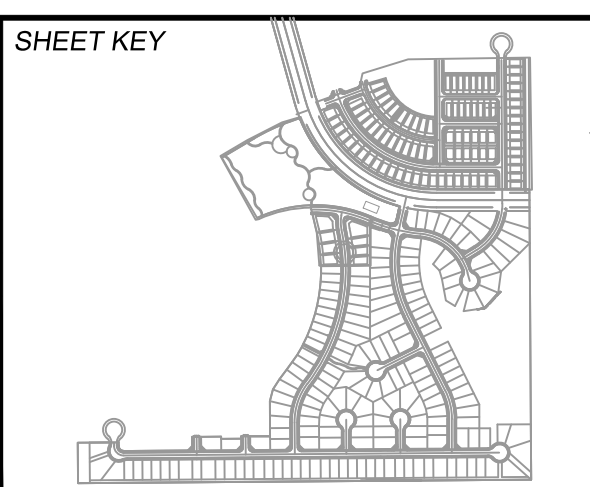
Revise to a tract or private roads.

Revise to County standard. See ECM Detail SD\_2-26 for typical cross pan layout detail. Per County standard detail width for local roads is 6'

Use the county nomenclatures. See ECM detail SD\_2-20.



REFERENCE DRAWINGS		COMPUTER FILE MANAGEMENT	
X-886-PR SITE_F1		F:\BIBANW\Trails at Aspen Ridge - F2\1100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD01 CENTERLINES.dwg	
X-886-PR STORM_F1		C:\Users\jtech\Desktop\1100.dwg	
X-886-PR UTIL		1100.dwg	
X-886-PR UTIL_SANITARY		1100.dwg	
X-886-PR SITE_F2		1100.dwg	
886-PR Legacy Drive		1100.dwg	
GEC Titleblock		1100.dwg	
X-886-PR SITE-FUTURE FILINGS		1100.dwg	
X-886-PR-UTIL-F2		1100.dwg	
No.	DATE	DESCRIPTION	BY
REVISIONS			



**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)

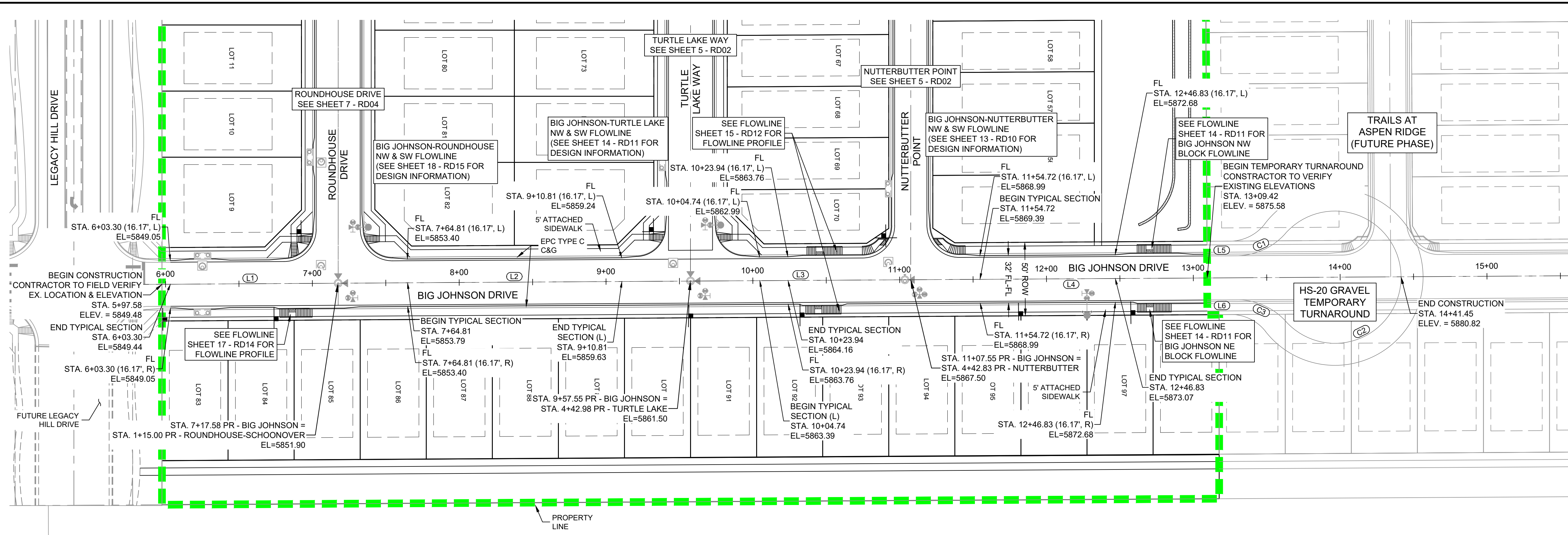
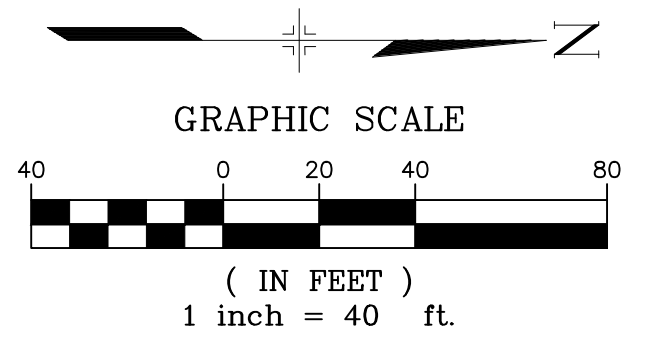


**PRELIMINARY**  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

TRAILS AT ASPEN RIDGE			
FILING NO. 2			
ROADWAY & STORM IMPROVEMENT PLANS			
CENTERLINE KEY MAP			
DESIGNED BY: NMS	SCALE: HORIZ 1" = 70'	DATE ISSUED: NOVEMBER, 2019	DRAWING No. RD00
DRAWN BY: CRD	VERT. N/A	SHEET 3 OF 35	
CHECKED BY: NMS			

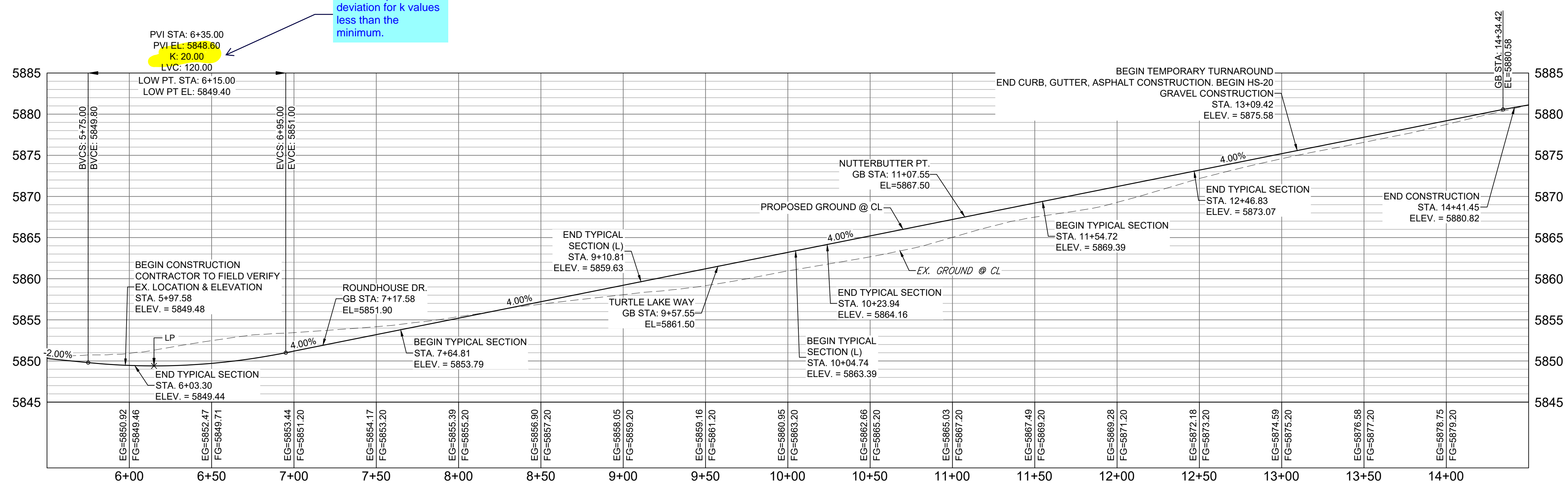


Know what's below.  
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**BIG JOHNSON DRIVE PLAN**

Revise or provide a deviation for k values less than the minimum.



**BIG JOHNSON DRIVE CL PROFILE**

LINE TABLE		
LINE #	BEARING	DISTANCE
L1	N00°20'48"W	120.00
L2	N00°20'48"W	239.97
L3	N00°20'48"W	150.00
L4	N00°20'48"W	201.90
L5	N00°20'48"W	19.92
L6	S00°20'48"E	19.92

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C1	37.85	45.00	48°11'23"
C2	217.07	45.00	276°22'46"
C3	37.85	45.00	48°11'23"

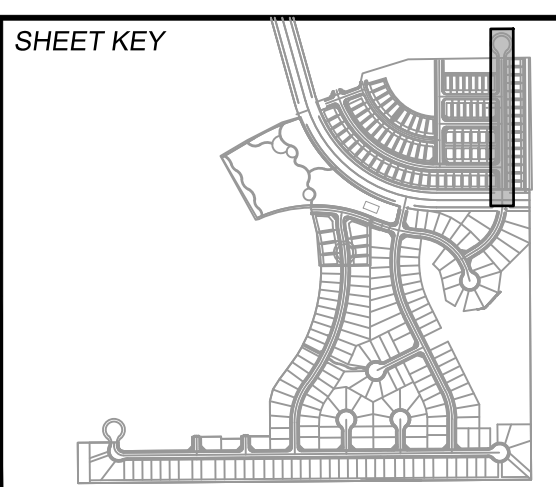
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X-886-PR STORM_F1	
19-886-PR UTIL	
19-886-PR UTIL_SANITARY	
X-886-PR SITE_F2	
886-PR Legacy Drive	
GEC Titleblock	
X-886-PR SITE-FUTURE FILINGS	
X-886-PR-UTIL-F2	

No.	DATE	DESCRIPTION	BY
REVISIONS			

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Author:	TECH_D-SIZE_BW.ctb
Print Date:	2019 1:21:04 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

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SEAL

**PRELIMINARY**  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

PREPARED BY:  
**Matrix**

**TRAILS AT ASPEN RIDGE**

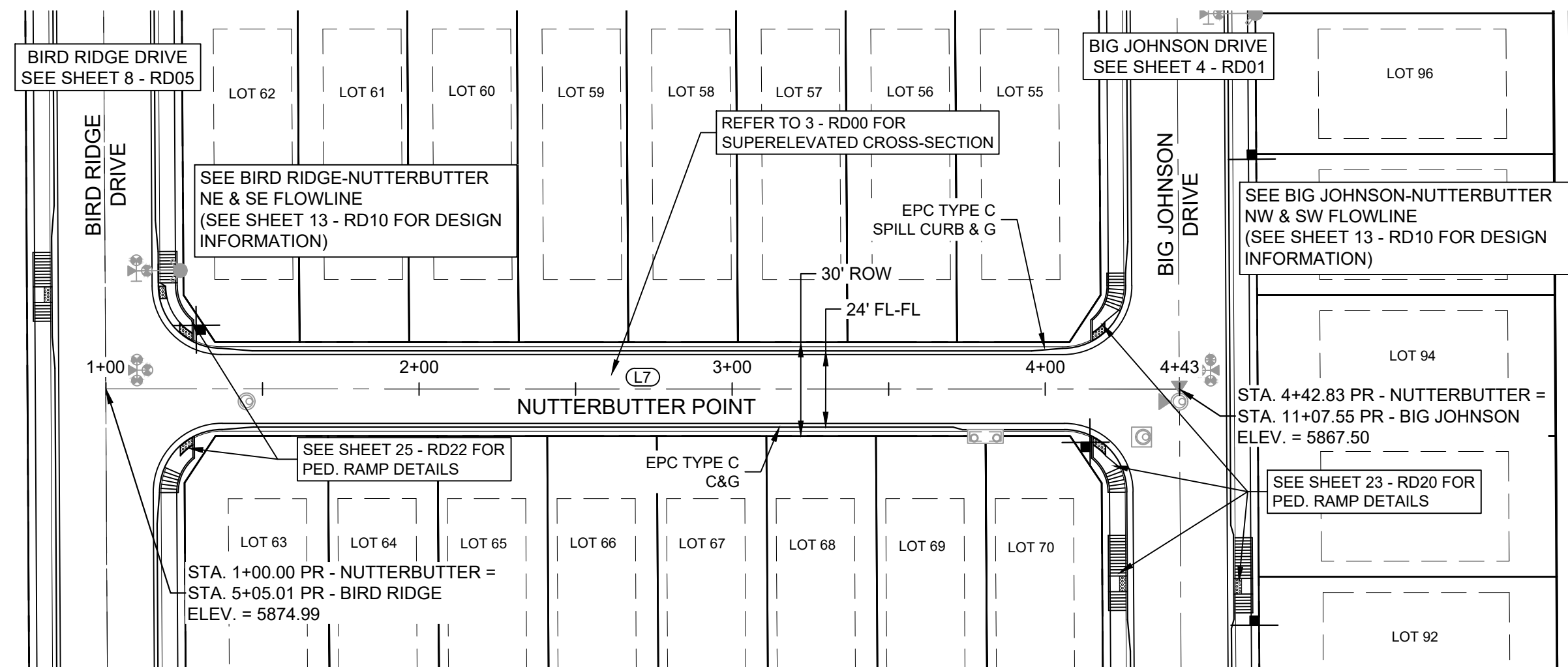
FILING NO. 2  
ROADWAY & STORM IMPROVEMENT PLANS

**ROADWAY PLAN & PROFILE**

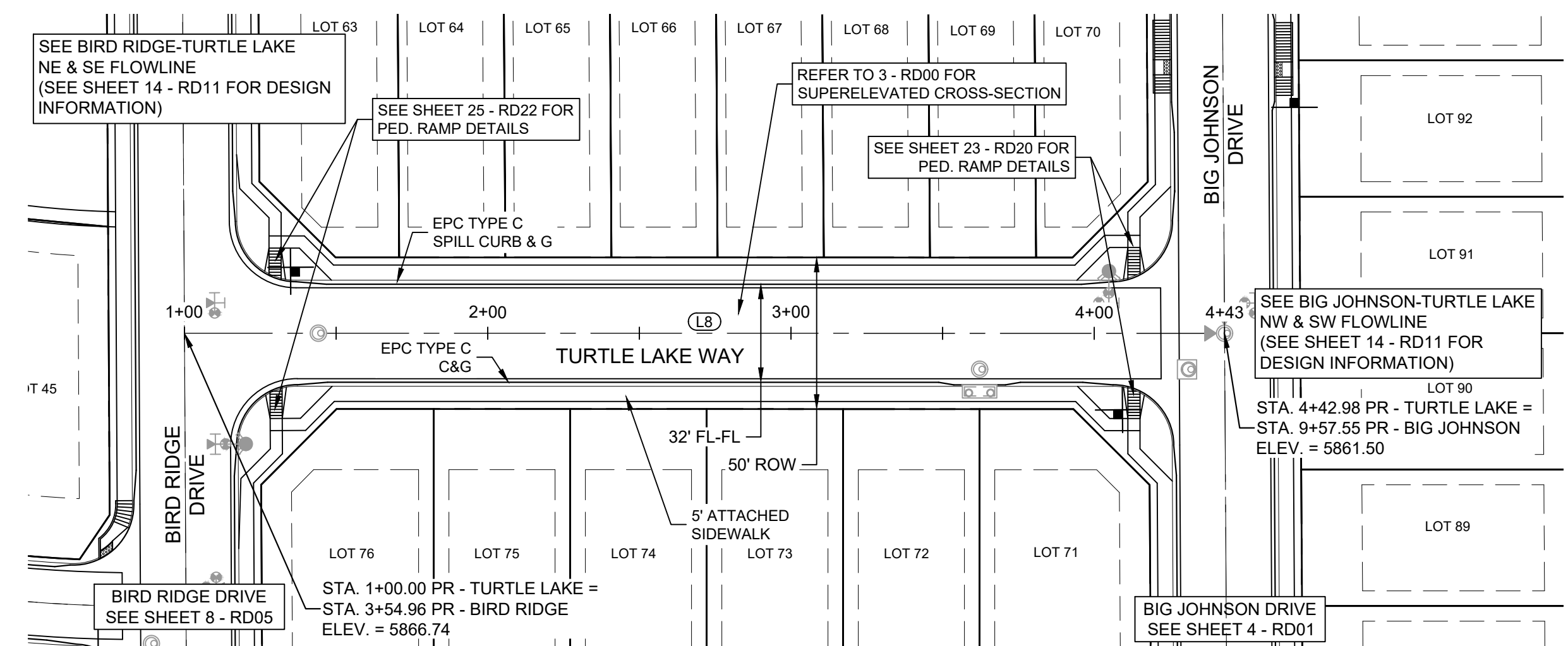
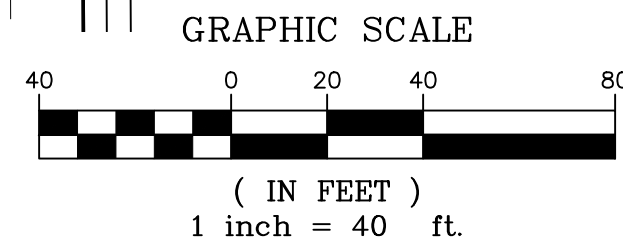
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CHECKED BY:	NMS	VERT:	1" = 8'	SHEET:	4 OF 35		



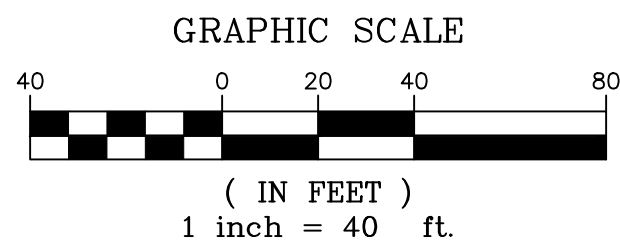
Know what's below.  
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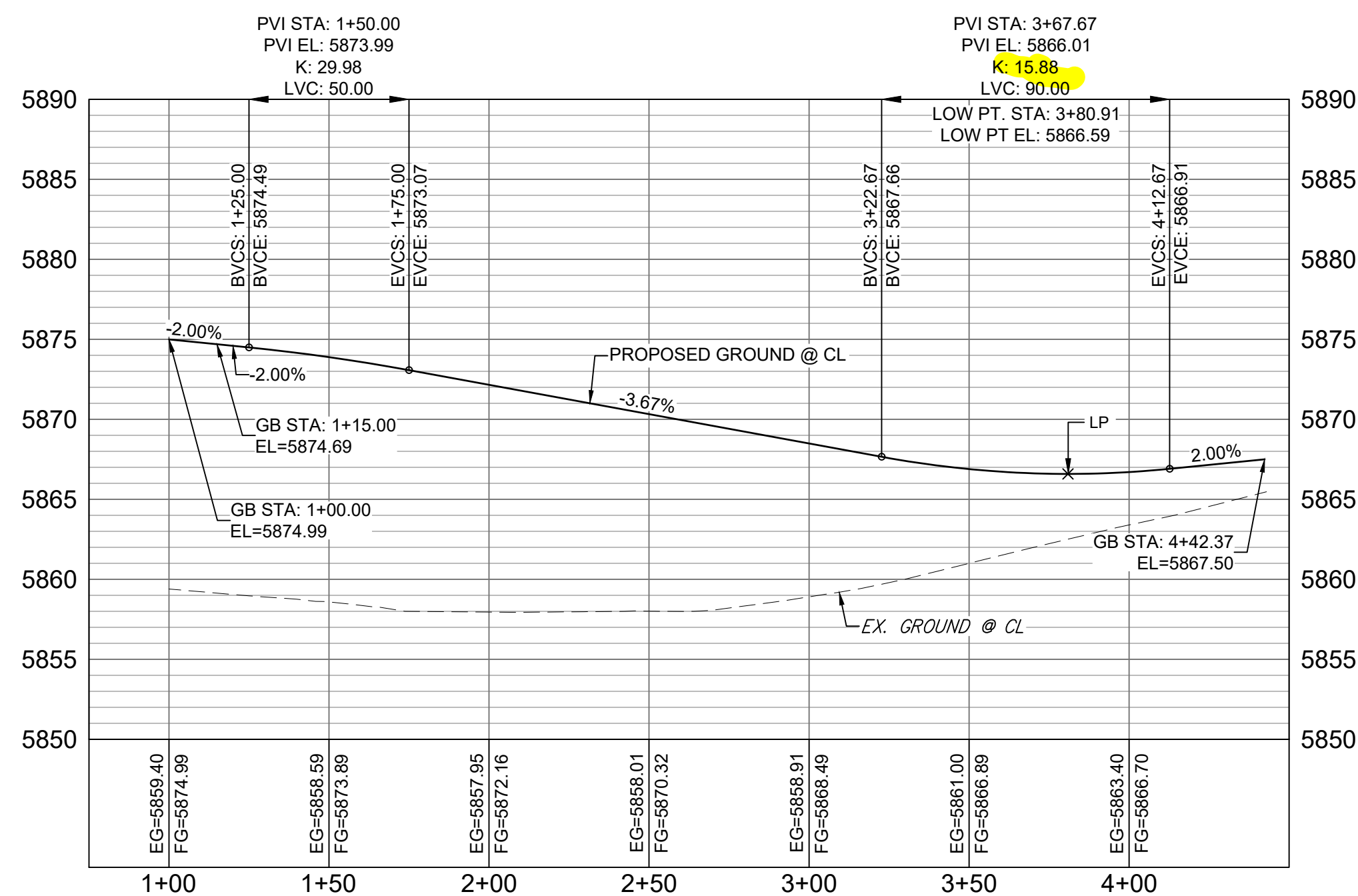
NUTTERBUTTER POINT PLAN



TURTLE LAKE WAY PLAN

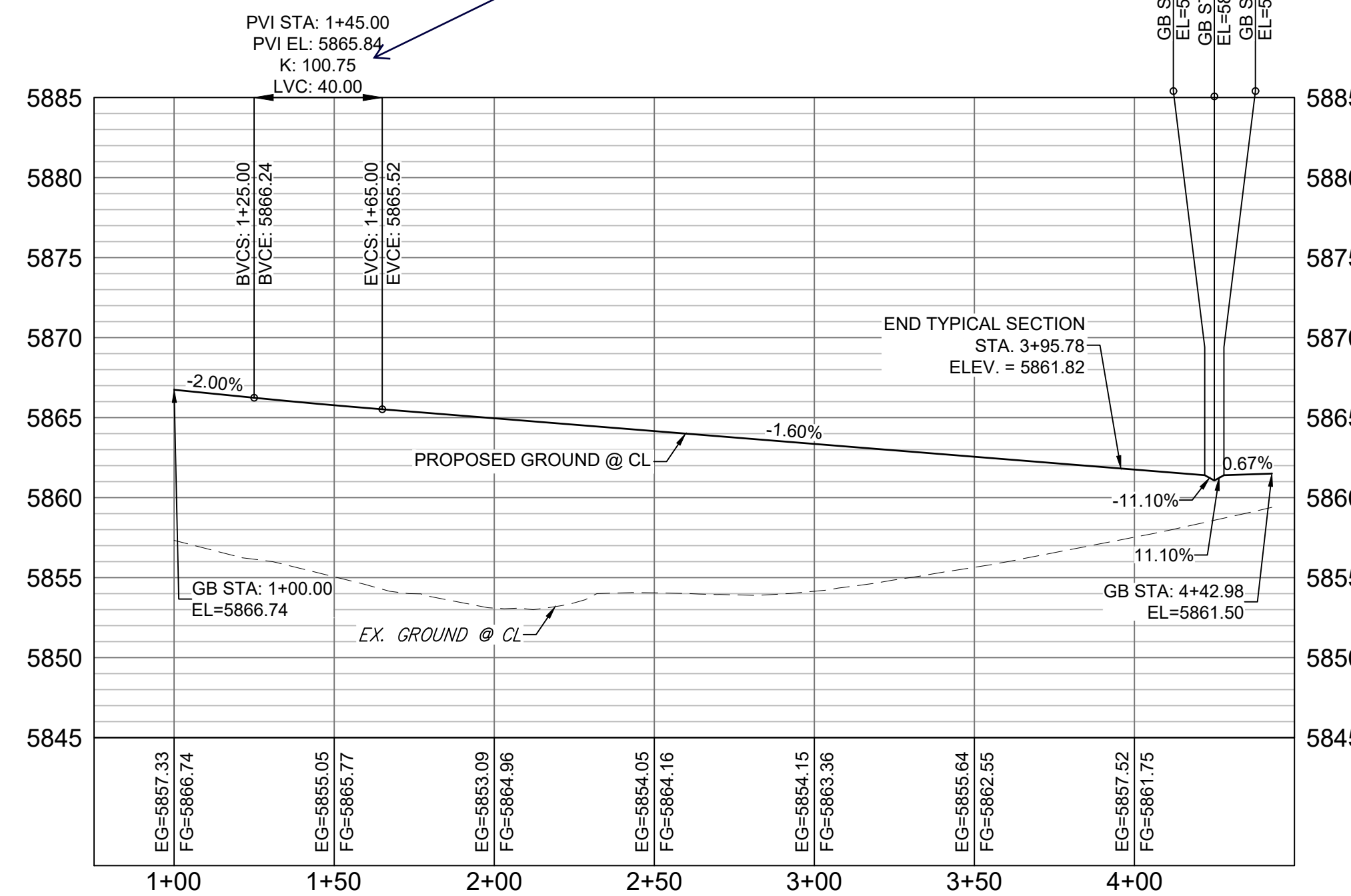


Vertical curve not required per ECM Section 2.3.4.E. Algebraic difference is less than 1.0%



NUTTERBUTTER POINT CL PROFILE

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



TURTLE LAKE WAY CL PROFILE

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

LINE TABLE		
LINE #	BEARING	DISTANCE
L7	S89°59'33"E	342.92
L8	S89°59'33"E	342.98

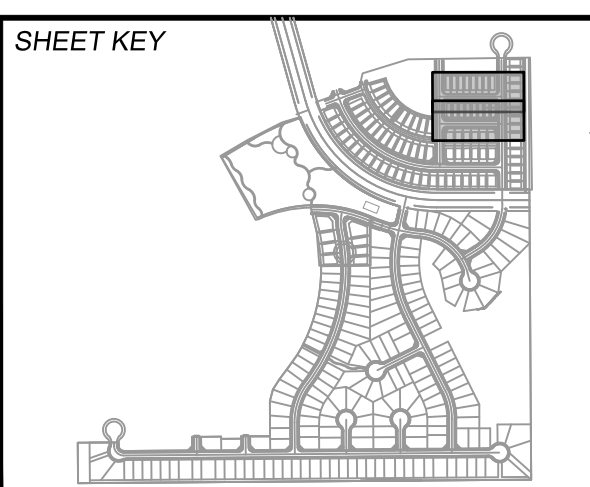
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X-886-PR STORM-F1	
19-886-PR UTIL	
19-886-PR UTIL - SANITARY	
X-886-PR SITE-F2	
886-PR Legacy Drive	
GEC Titleblock	
X-886-PR SITE-FUTURE FILINGS	
X-886-PR-UTIL-F2	

No.	DATE	DESCRIPTION	BY
REVISIONS			

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DATE	2019 1:21:14 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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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)

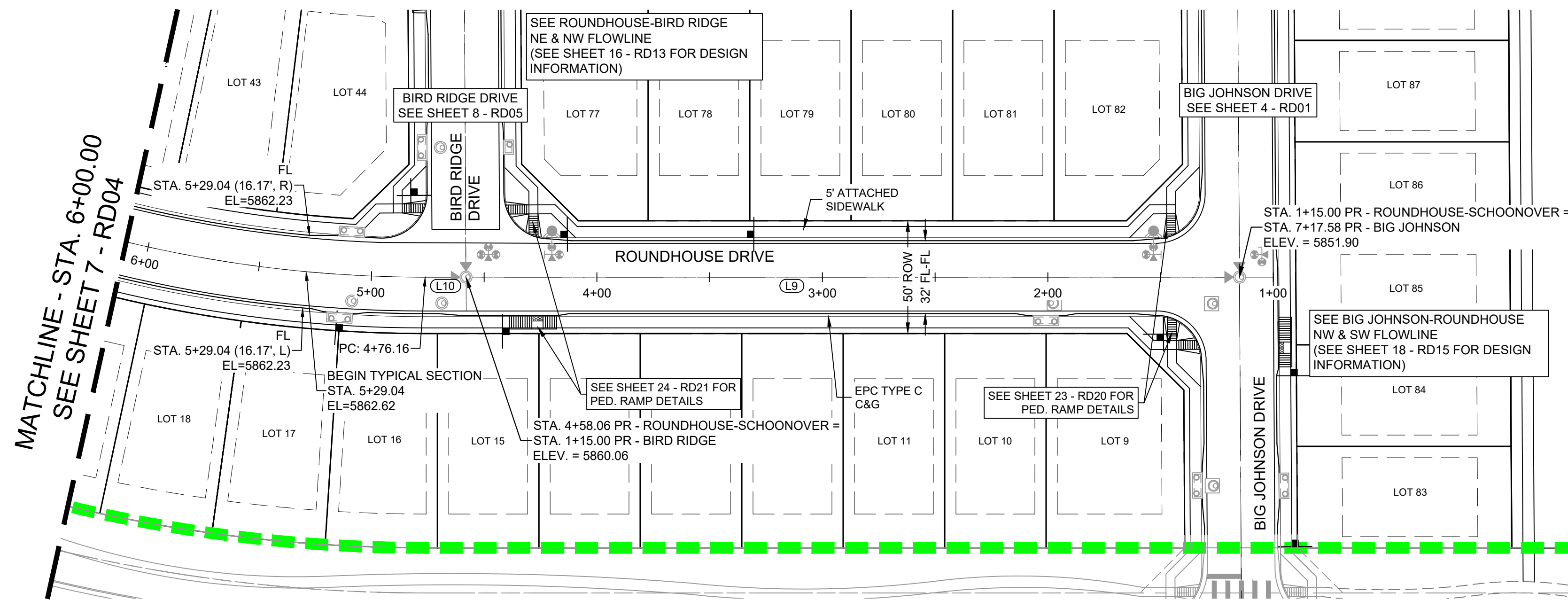


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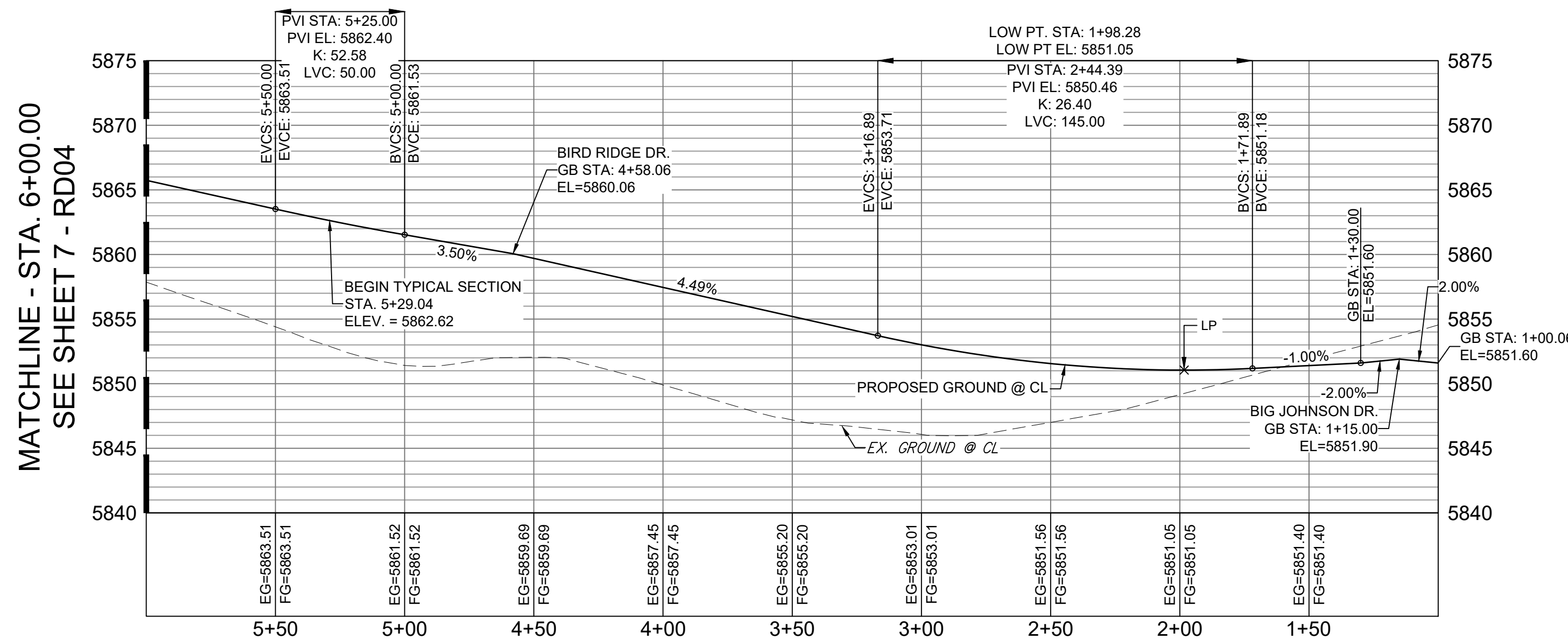
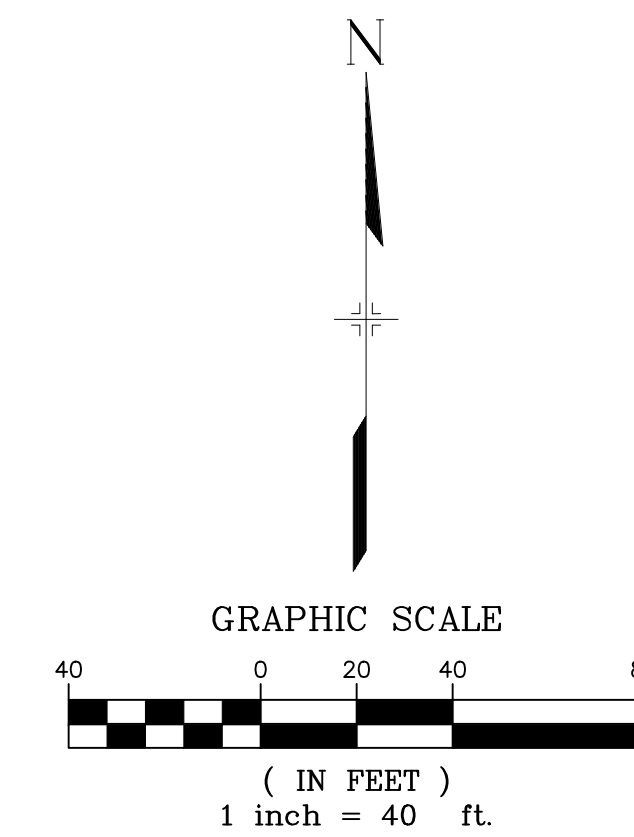
TRAILS AT ASPEN RIDGE			
FILING NO. 2			
ROADWAY & STORM IMPROVEMENT PLANS			
ROADWAY PLAN & PROFILE			
DESIGNED BY:	NMS	SCALE:	DATE ISSUED:
DRAWN BY:	CRD	HORIZ: 1" = 40'	NOVEMBER, 2019
CHECKED BY:	NMS	VERT: 1" = 8'	SHEET
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 19.886.014			DRAWING No. RD02



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ROUNDHOUSE DRIVE PLAN

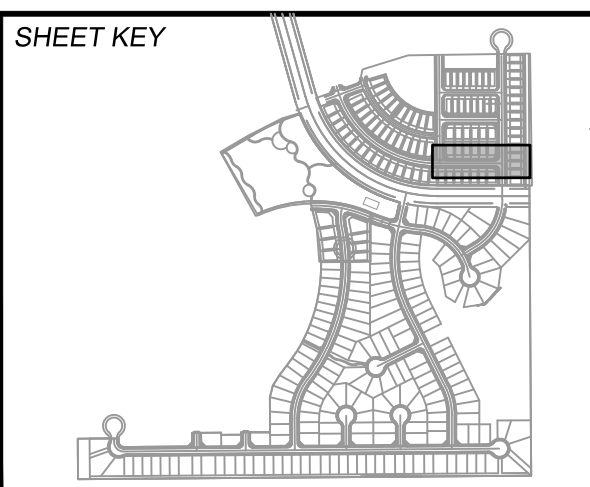


ROUNDHOUSE DRIVE CL PROFILE

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

LINE TABLE		
LINE #	BEARING	DISTANCE
L9	N90°00'00"W	343.06
L10	N90°00'00"W	18.10

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
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**BENCHMARK**  
 COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
 A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD,  
 ELEVATION = 5897.89' U.S. SURVEY FT

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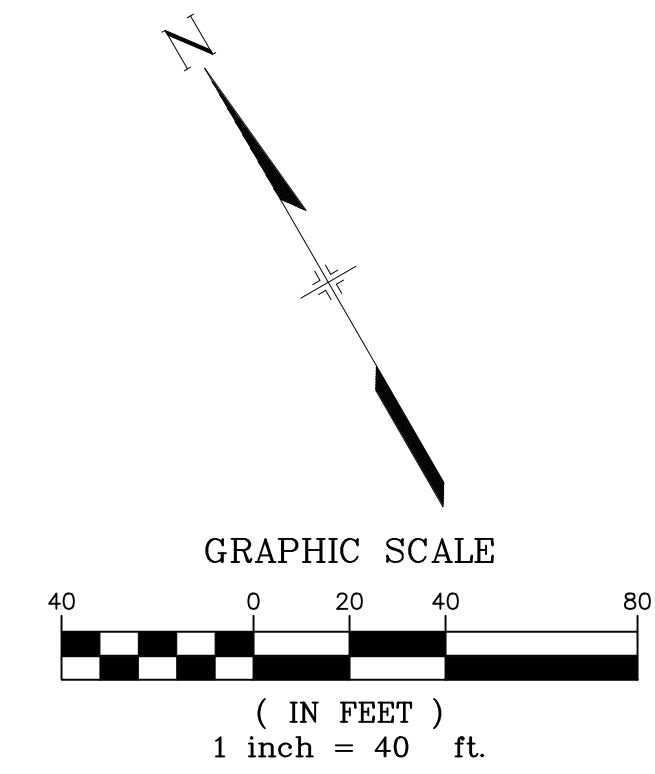
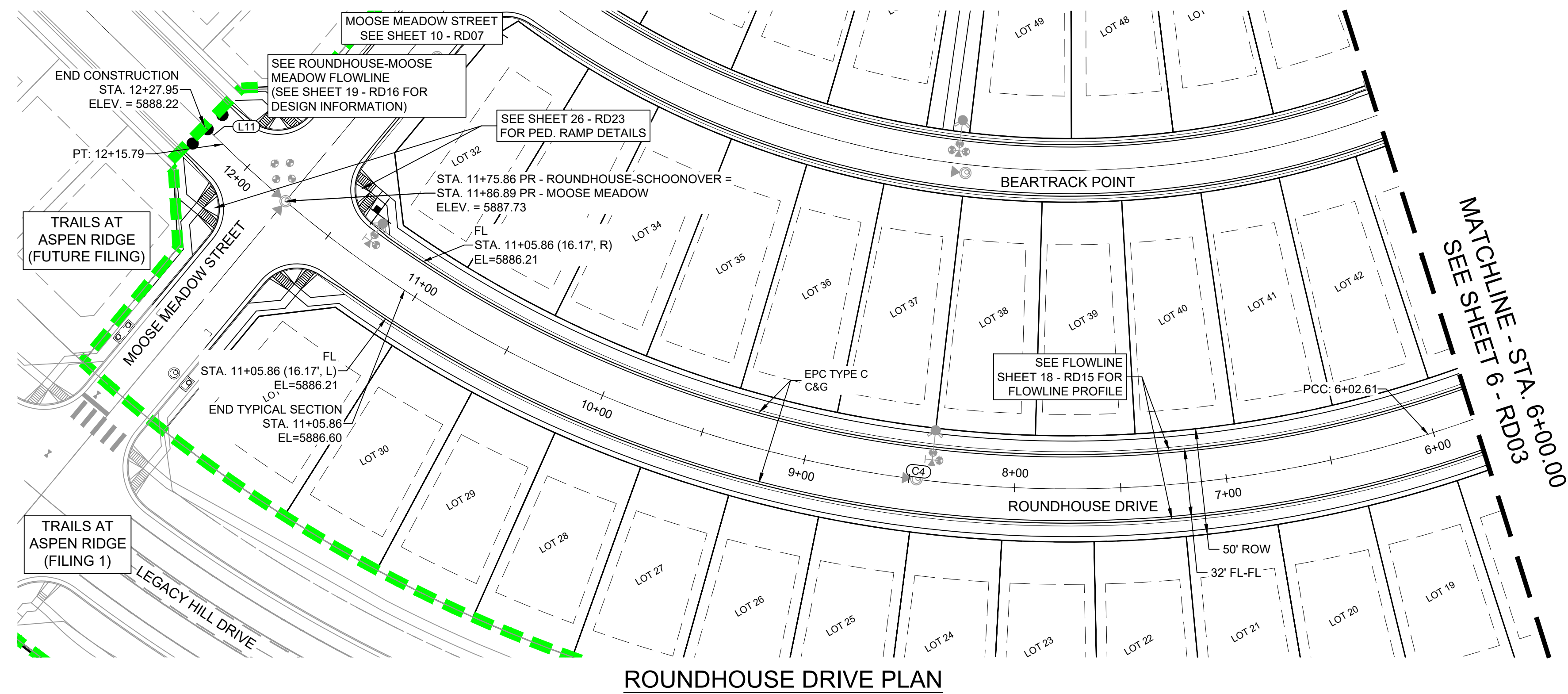


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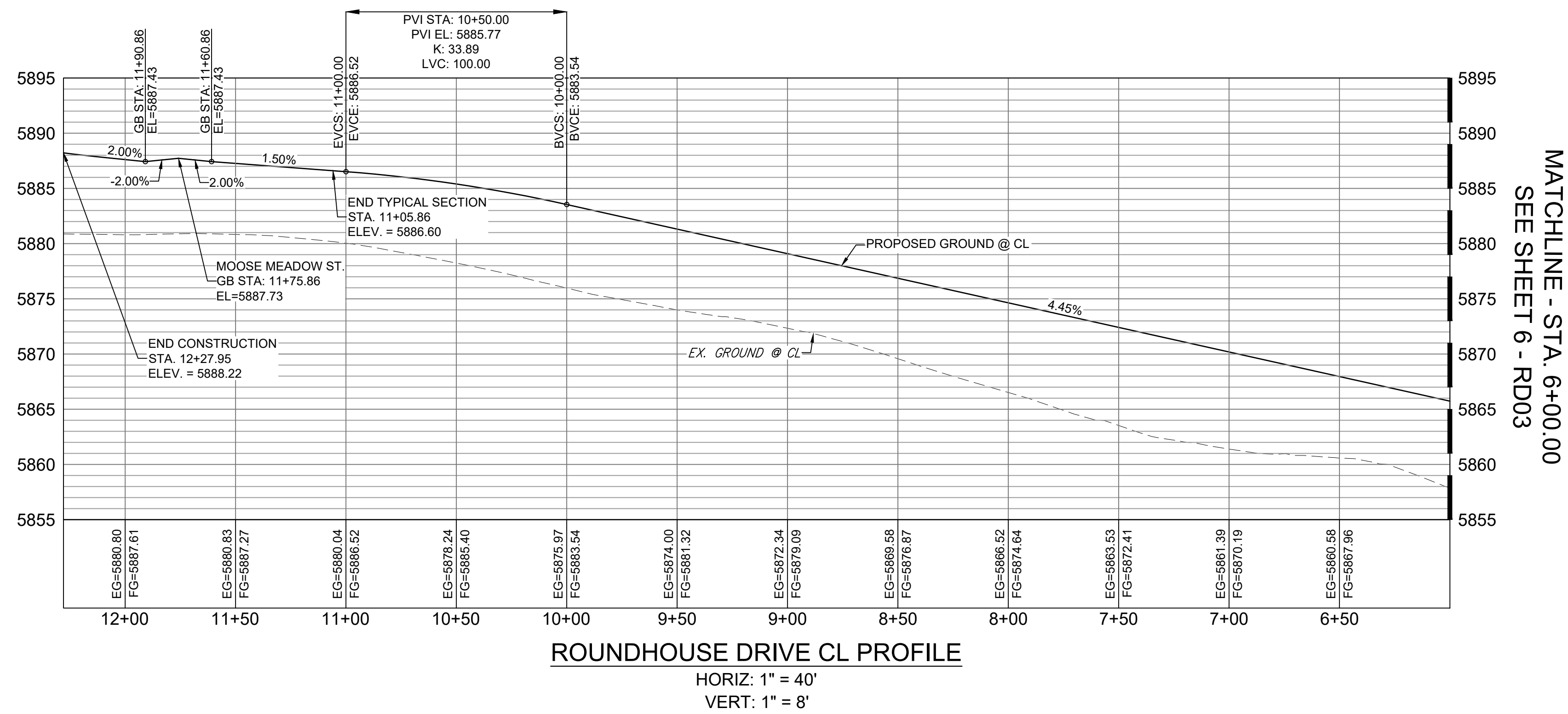
<b>TRAILS AT ASPEN RIDGE</b>			
FILING NO. 2			
ROADWAY & STORM IMPROVEMENT PLANS			
<b>ROADWAY PLAN &amp; PROFILE</b>			
DESIGNED BY: NMS	SCALE: HORIZ 1" = 40'	DATE ISSUED: NOVEMBER, 2019	DRAWING No. RD03
DRAWN BY: CRD	VERT. 1" = 8'	SHEET 6 OF 35	
CHECKED BY: NMS			



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ROUNDHOUSE DRIVE PLAN



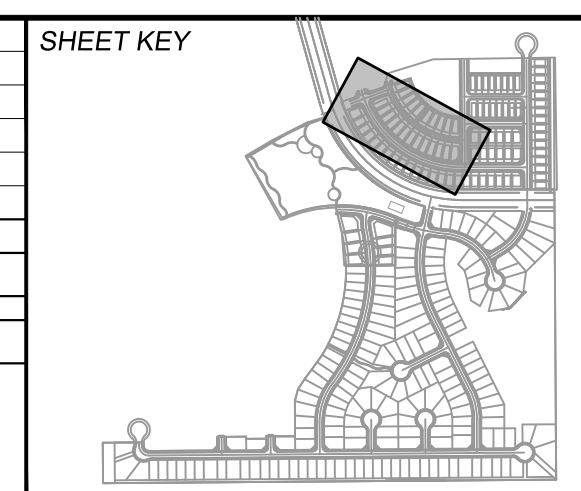
ROUNDHOUSE DRIVE CL PROFILE

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

LINE TABLE		
LINE #	BEARING	DISTANCE
L11	N15°39'12"W	12.16

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C4	739.63	570.00	74°20'48"

No.	DATE	DESCRIPTION	BY
REVISIONS			
COMPUTER FILE MANAGEMENT F:\BEN\Projects\Trails at Aspen Ridge - F2\1100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD01 CENTERLINES.dwg DATE: 2019 1:21:27 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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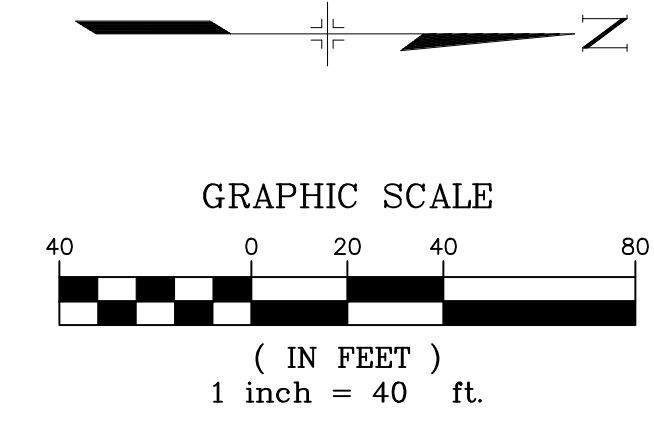
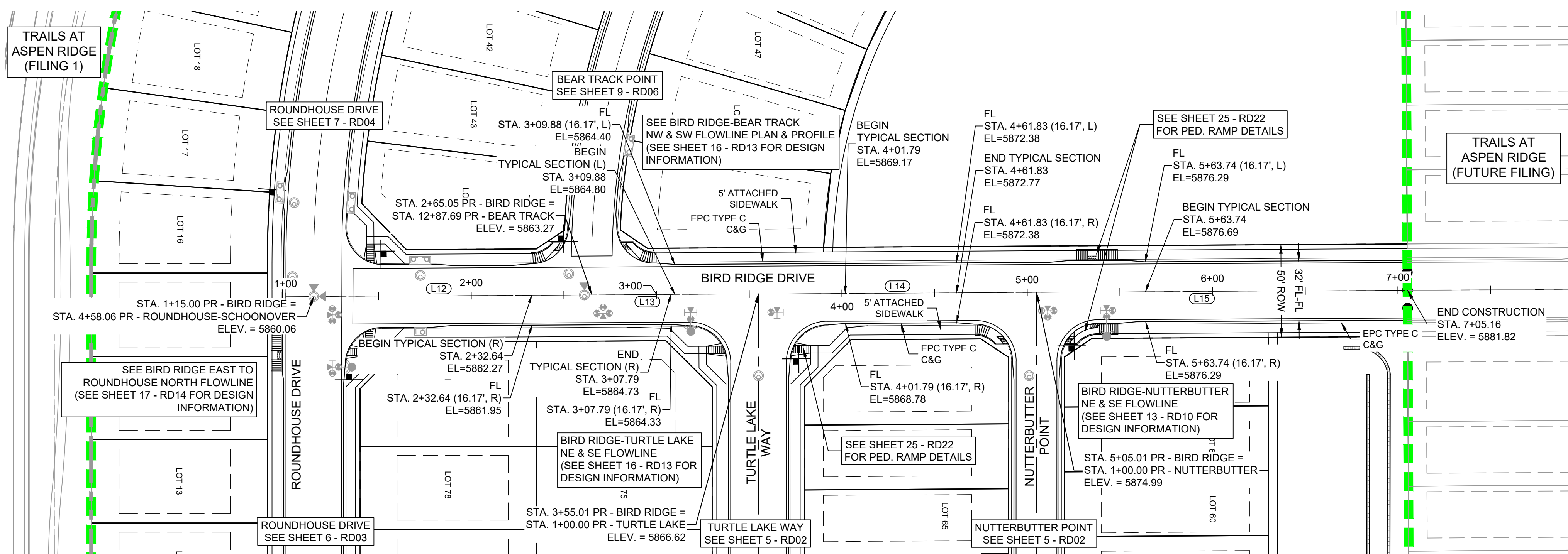


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<b>TRAILS AT ASPEN RIDGE</b>			
FILING NO. 2			
ROADWAY & STORM IMPROVEMENT PLANS			
<b>ROADWAY PLAN &amp; PROFILE</b>			
DESIGNED BY: NMS	SCALE: 1" = 40'	DATE ISSUED: NOVEMBER, 2019	DRAWING No. RD04
DRAWN BY: CRD	HORIZ: 1" = 40'	SHEET 7 OF 35	
CHECKED BY: NMS	VERT: 1" = 8'		

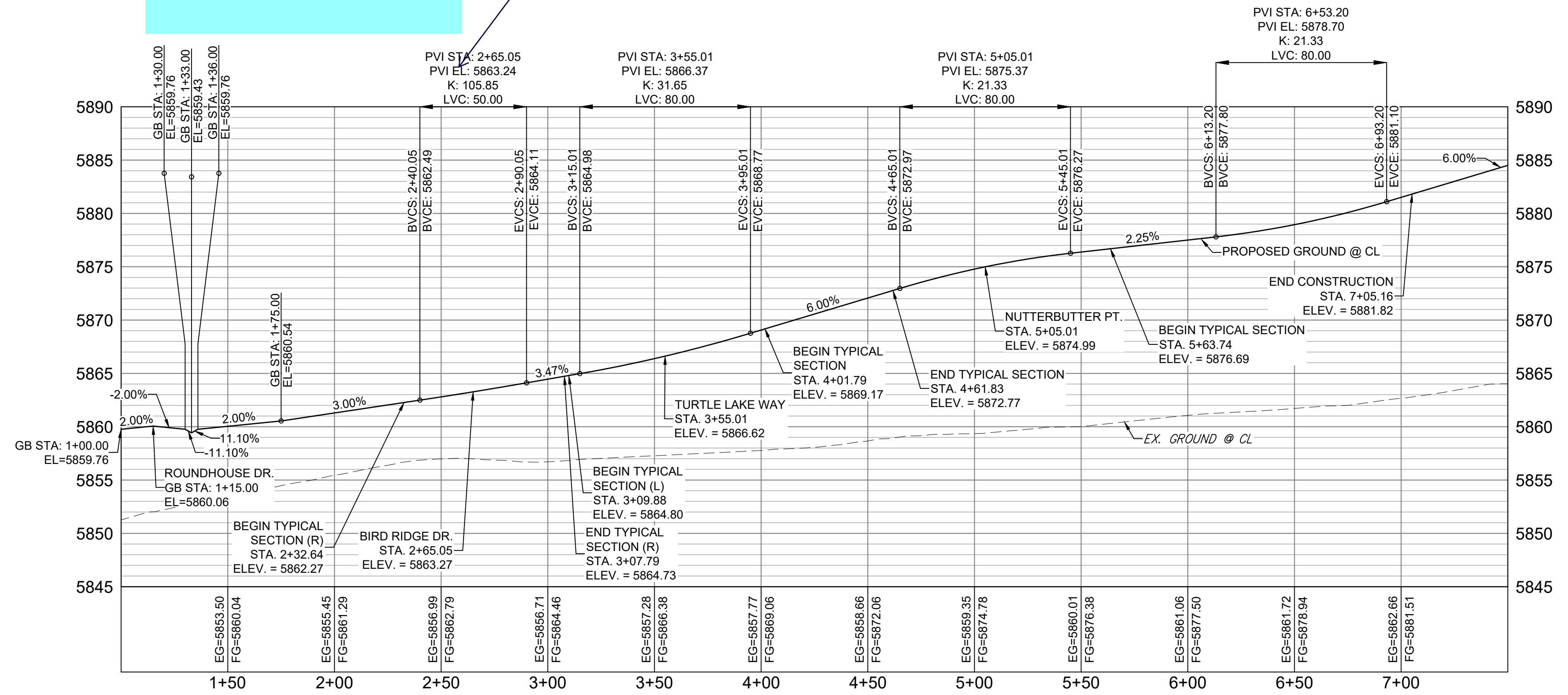


Know what's below.  
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BIRD RIDGE DRIVE PLAN

Vertical curve not required per ECM Section 2.3.4.E. Algebraic difference is less than 1.0%

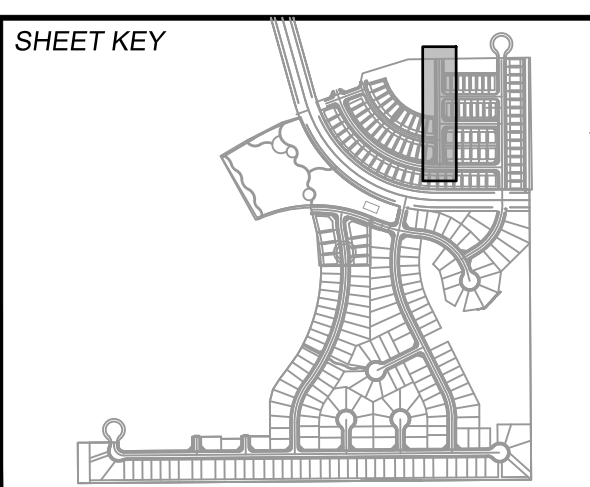


BIRD RIDGE DRIVE CL PROFILE

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

LINE #	BEARING	DISTANCE
L12	N00°19'34"W	150.05
L13	N00°19'34"W	89.96
L14	N00°19'34"W	150.00
L15	N00°19'34"W	200.14

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
C:\Users\jtech\Desktop\2019\1-21-32 PM			



**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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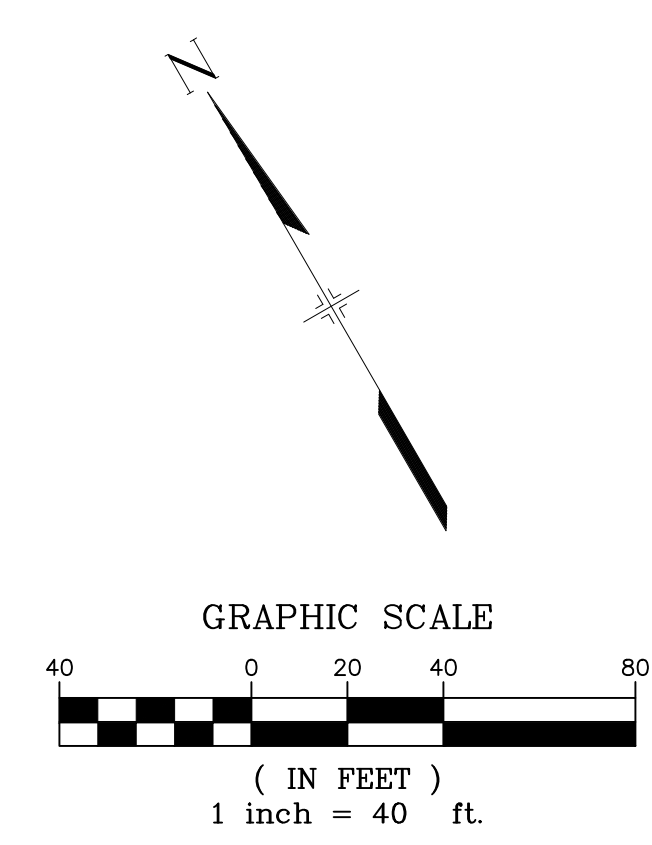
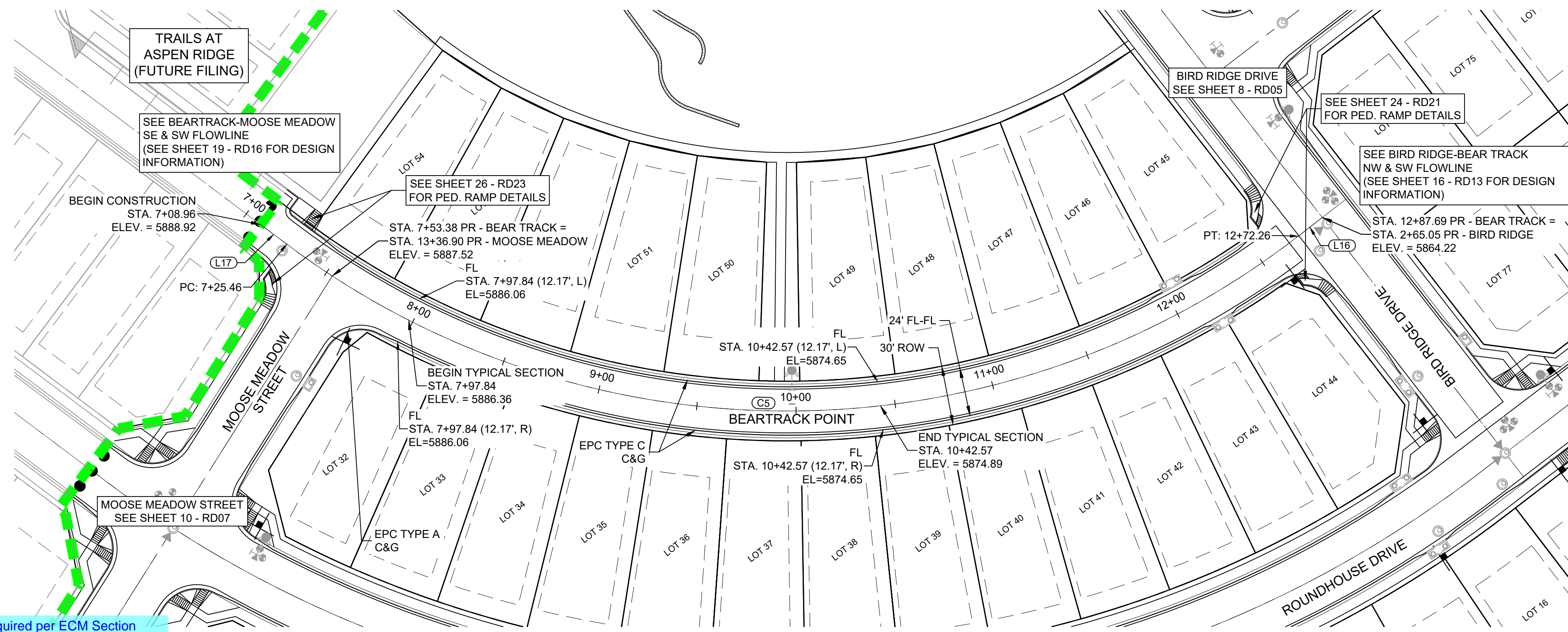
**PRELIMINARY**  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

<b>TRAILS AT ASPEN RIDGE</b>			
FILING NO. 2			
ROADWAY & STORM IMPROVEMENT PLANS			
<b>ROADWAY PLAN &amp; PROFILE</b>			
DESIGNED BY: NMS	SCALE: HORIZ 1" = 40'	DATE ISSUED: NOVEMBER, 2019	DRAWING No. RD05
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 8 OF 35	



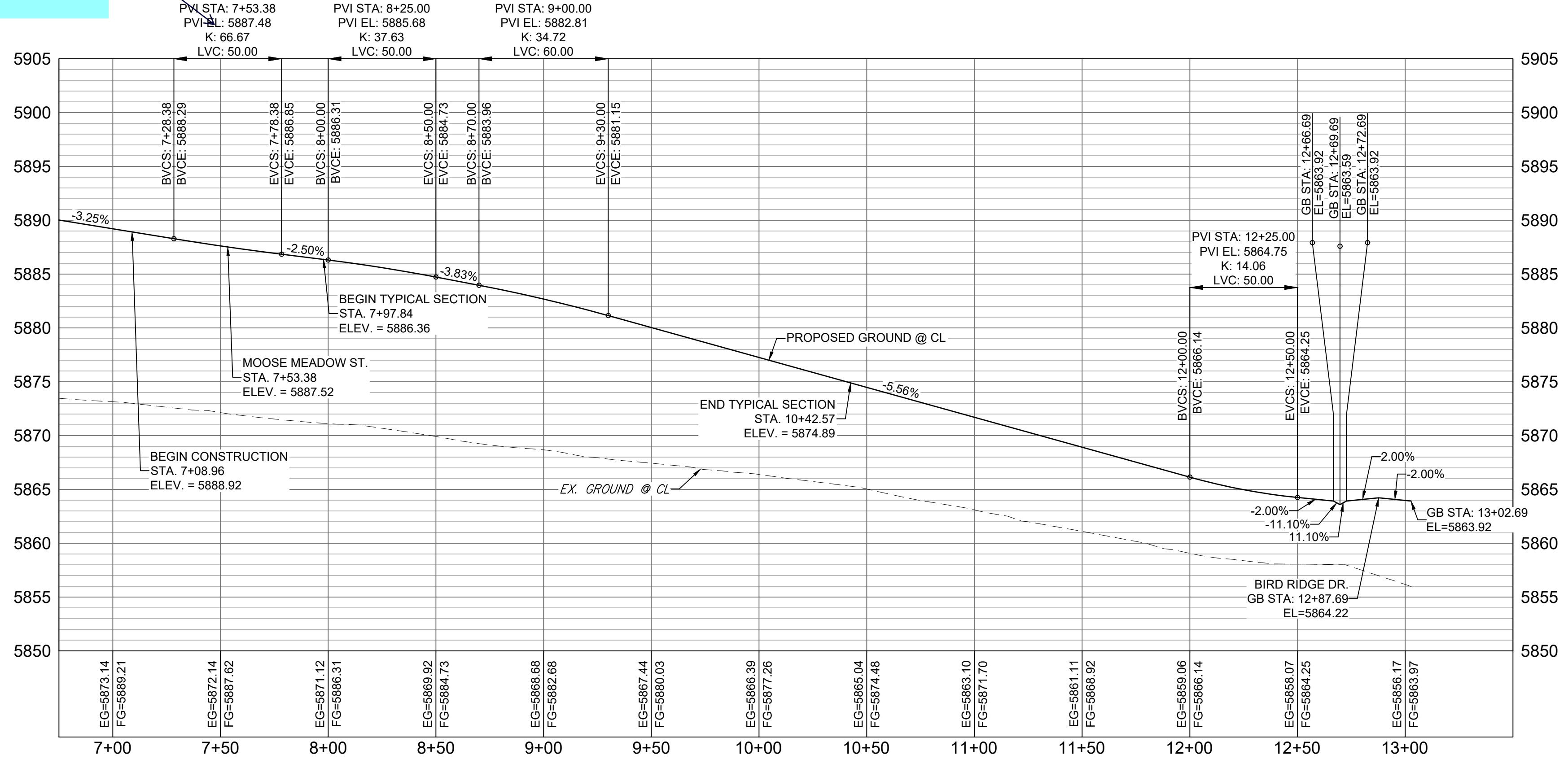


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Vertical curve not required per ECM Section 2.3.4.E. Algebraic difference is less than 1.0%

BEARTRACK POINT PLAN



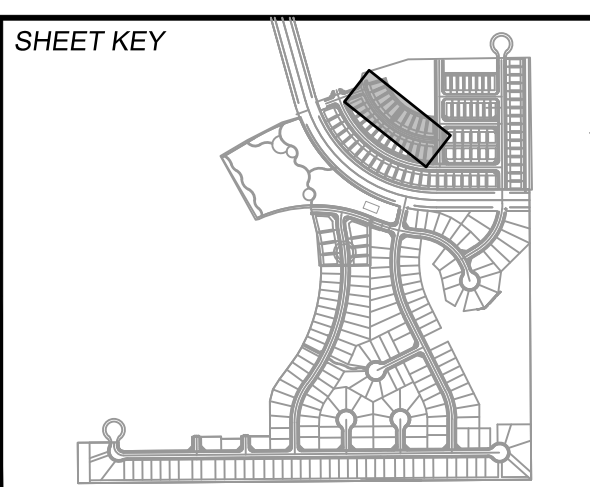
BEARTRACK POINT CL PROFILE

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

LINE #	BEARING	DISTANCE
L16	N89°49'34"E	15.97
L17	S15°39'12"E	16.50

CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C5	546.26	420.00	74°31'14"

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
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DATE: 2019 1:21:39 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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**PRELIMINARY**  
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**TRAILS AT ASPEN RIDGE**

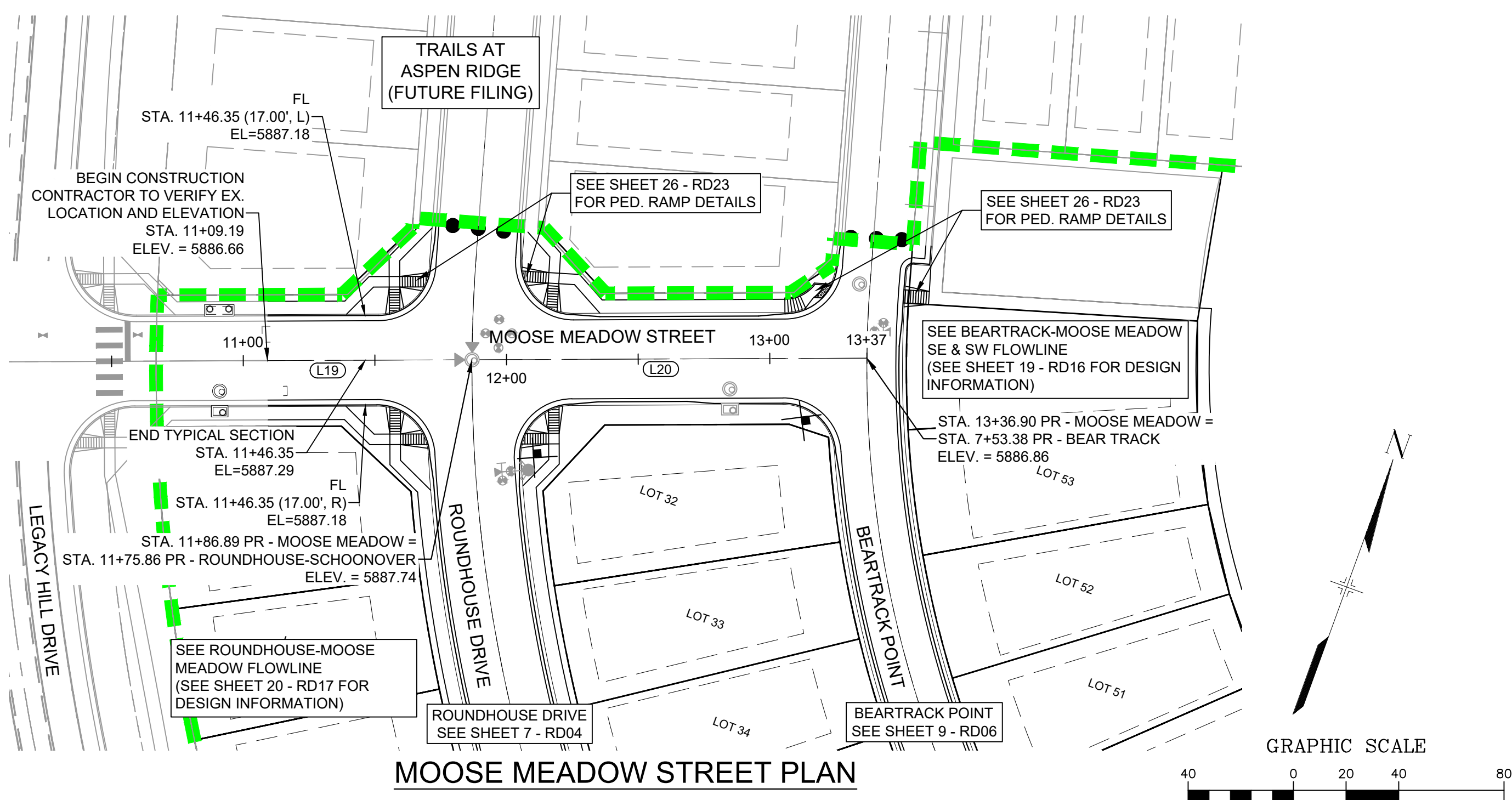
FILING NO. 2  
ROADWAY & STORM IMPROVEMENT PLANS

ROADWAY PLAN & PROFILE

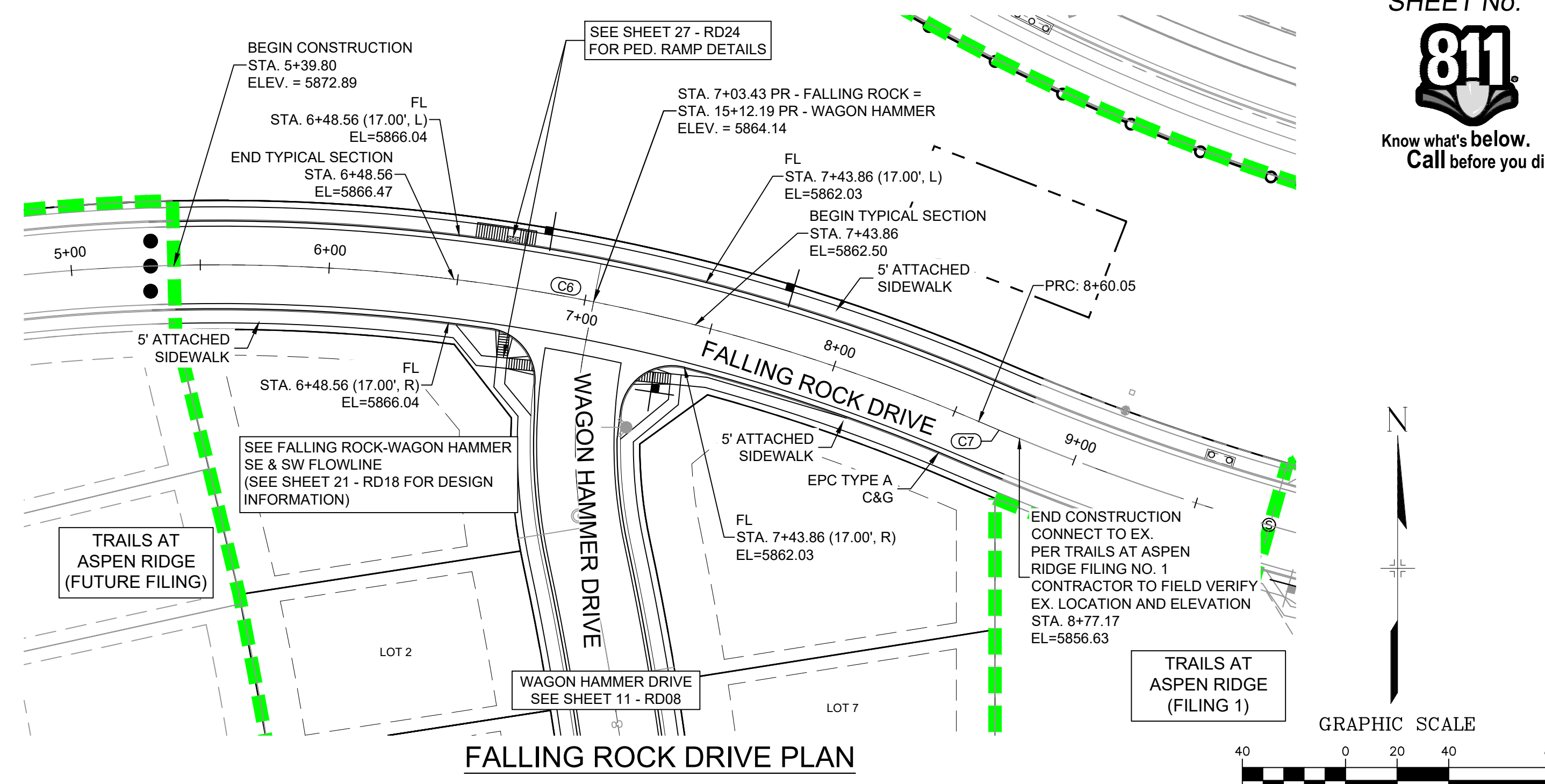
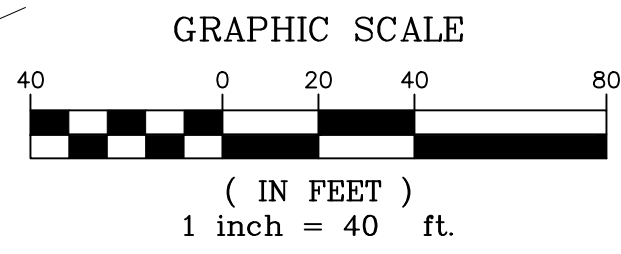
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CHECKED BY: NMS	VERT: 1" = 8'		



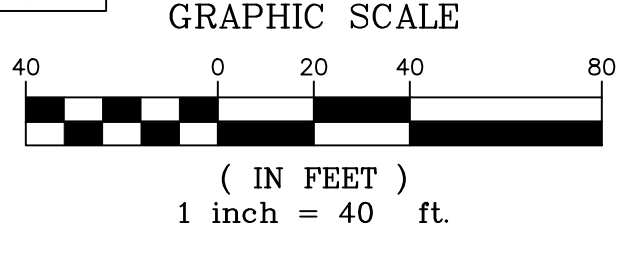
Know what's below. Call before you dig.



MOOSE MEADOW STREET PLAN

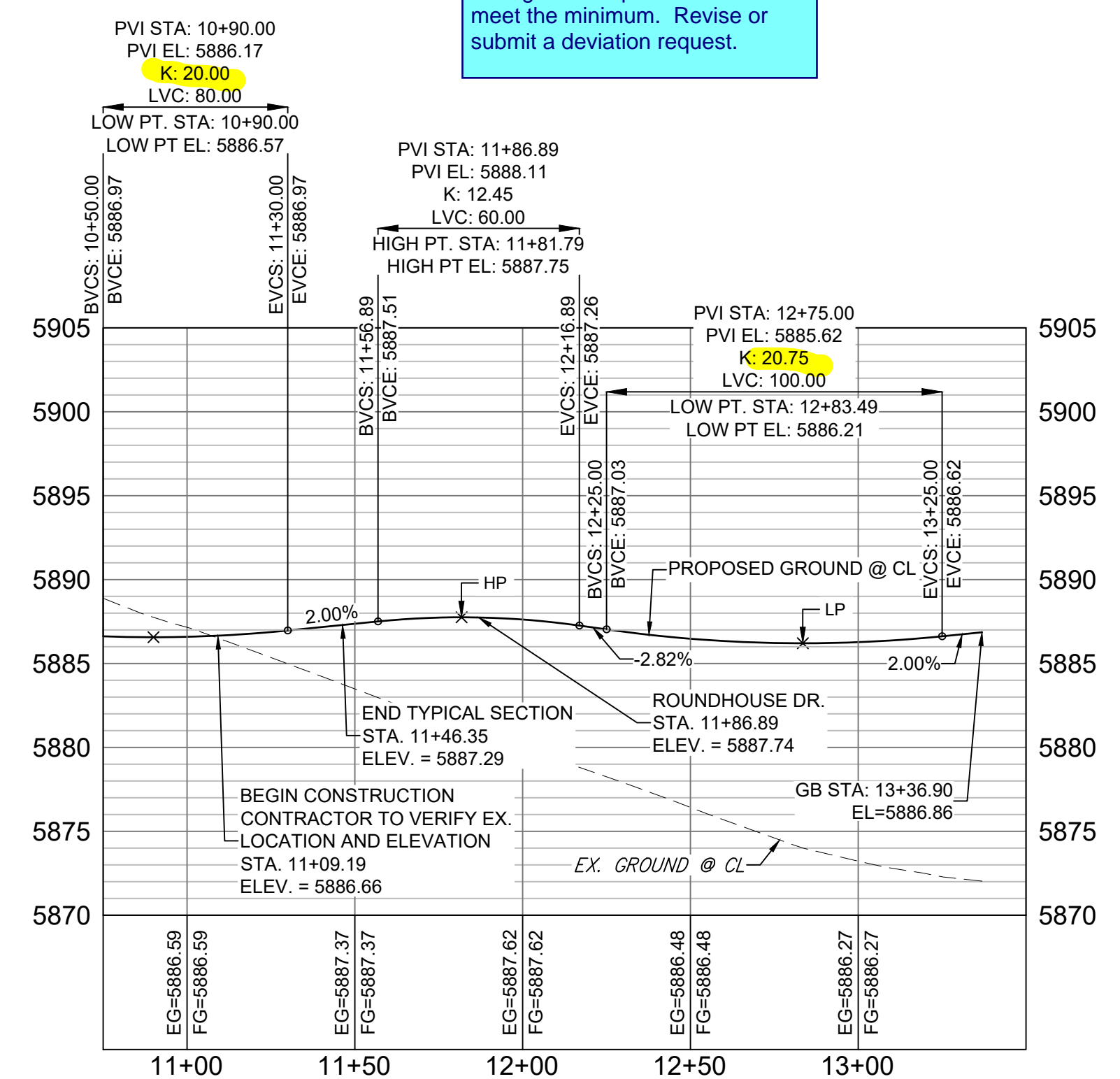


FALLING ROCK DRIVE PLAN

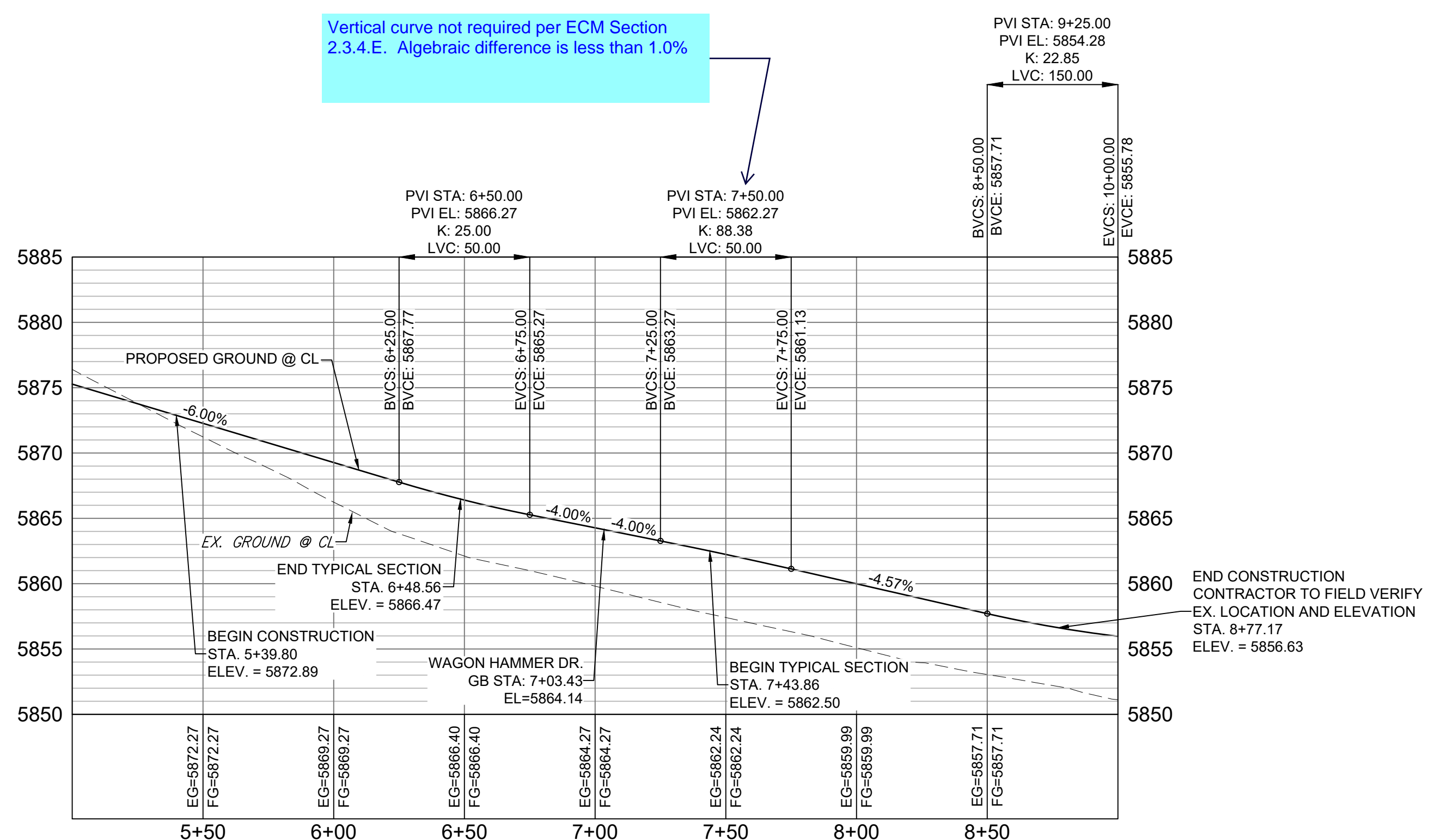


K values highlighted in yellow throughout the plans does not meet the minimum. Revise or submit a deviation request.

Vertical curve not required per ECM Section 2.3.4.E. Algebraic difference is less than 1.0%



MOOSE MEADOW STREET CL PROFILE  
HORIZ: 1" = 40'  
VERT: 1" = 8'



FALLING ROCK DRIVE CL PROFILE  
HORIZ: 1" = 40'  
VERT: 1" = 8'

LINE TABLE		
LINE #	BEARING	DISTANCE
L19	N69°45'39"E	77.69
L20	N69°45'39"E	150.01

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C6	320.26	745.00	24°37'48"
C7	17.12	940.00	1°02'37"

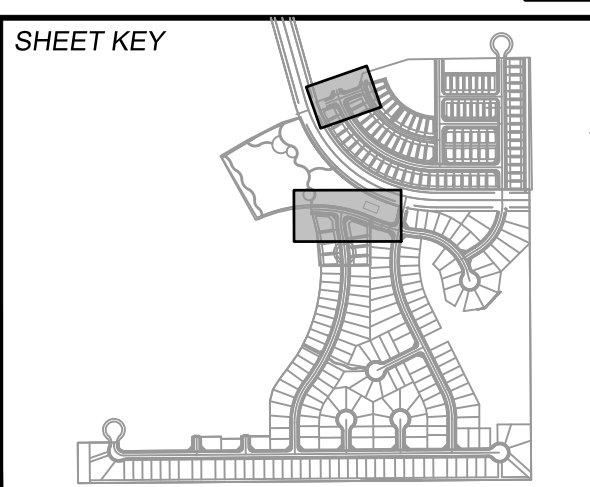
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X-886-PR STORM-F1			
19-886-PR UTIL			
19-886-PR UTIL SANITARY			
X-886-PR SITE-F2			
886-PR Legacy Drive			
GEC Titleblock			
X-886-PR SITE-FUTURE FILING			
X-886-PR UTIL-F2			

No.	DATE	DESCRIPTION	BY
REVISIONS			

COMPUTER FILE MANAGEMENT	
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DATE	2019 1:21:50 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 1/2' AULM. CAP PLS 10377)

PREPARED BY:

SEAL

**PRELIMINARY**  
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**TRAILS AT ASPEN RIDGE**

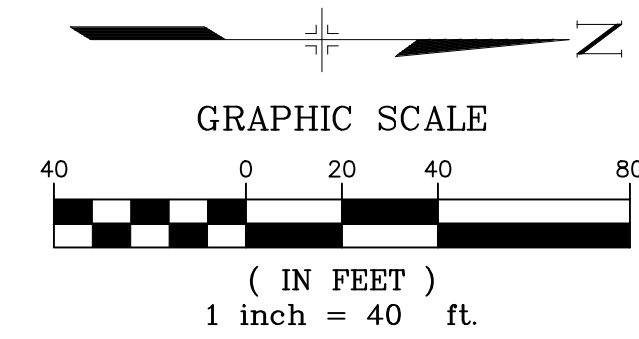
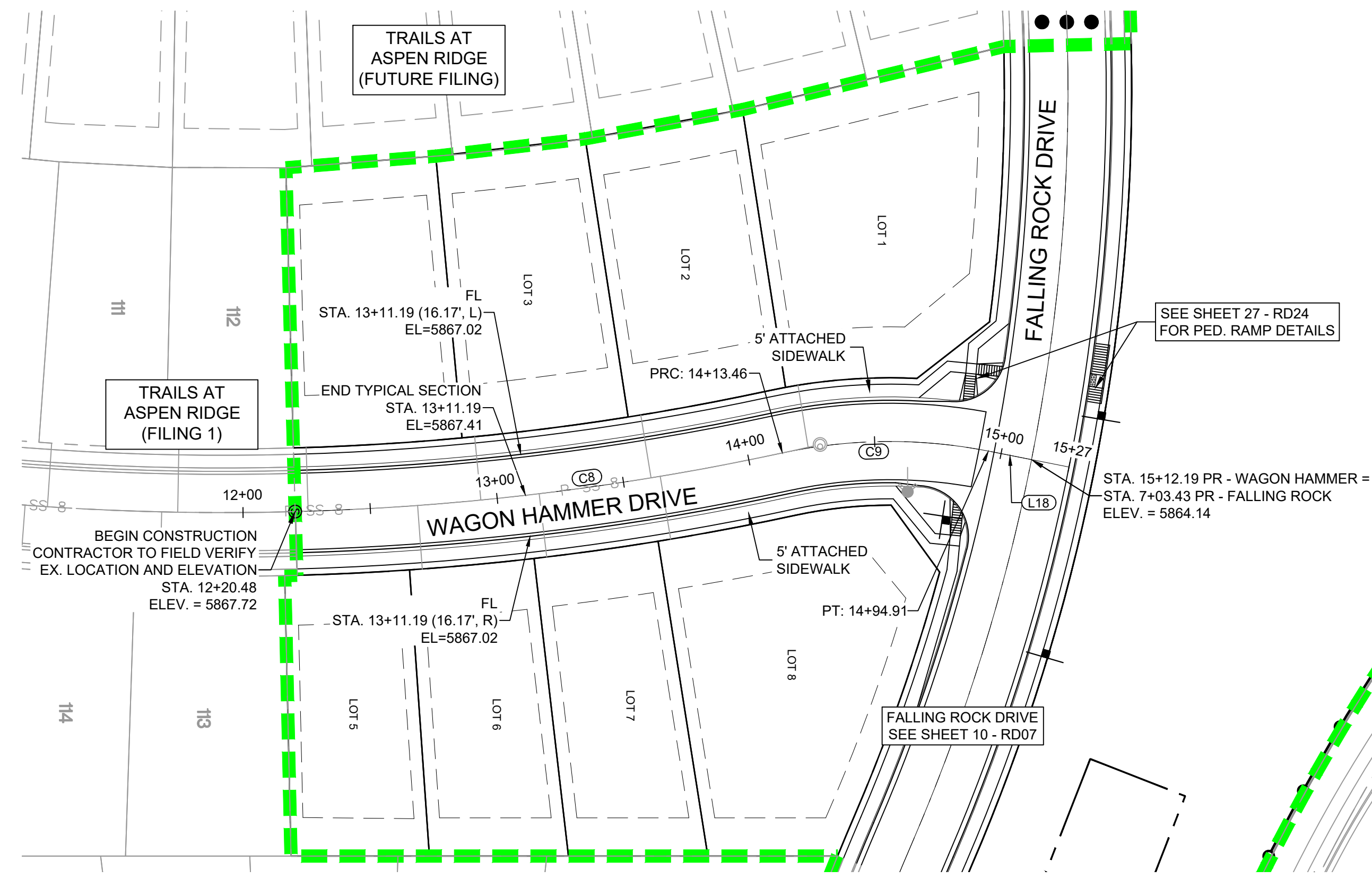
FILING NO. 2  
ROADWAY & STORM IMPROVEMENT PLANS

**ROADWAY PLAN & PROFILE**

DESIGNED BY:	NMS	SCALE:	HORIZ 1" = 40'	DATE ISSUED:	NOVEMBER, 2019	DRAWING No.	RD07
CHECKED BY:	NMS	VERT:	1" = 8'	SHEET:	10 OF 35		



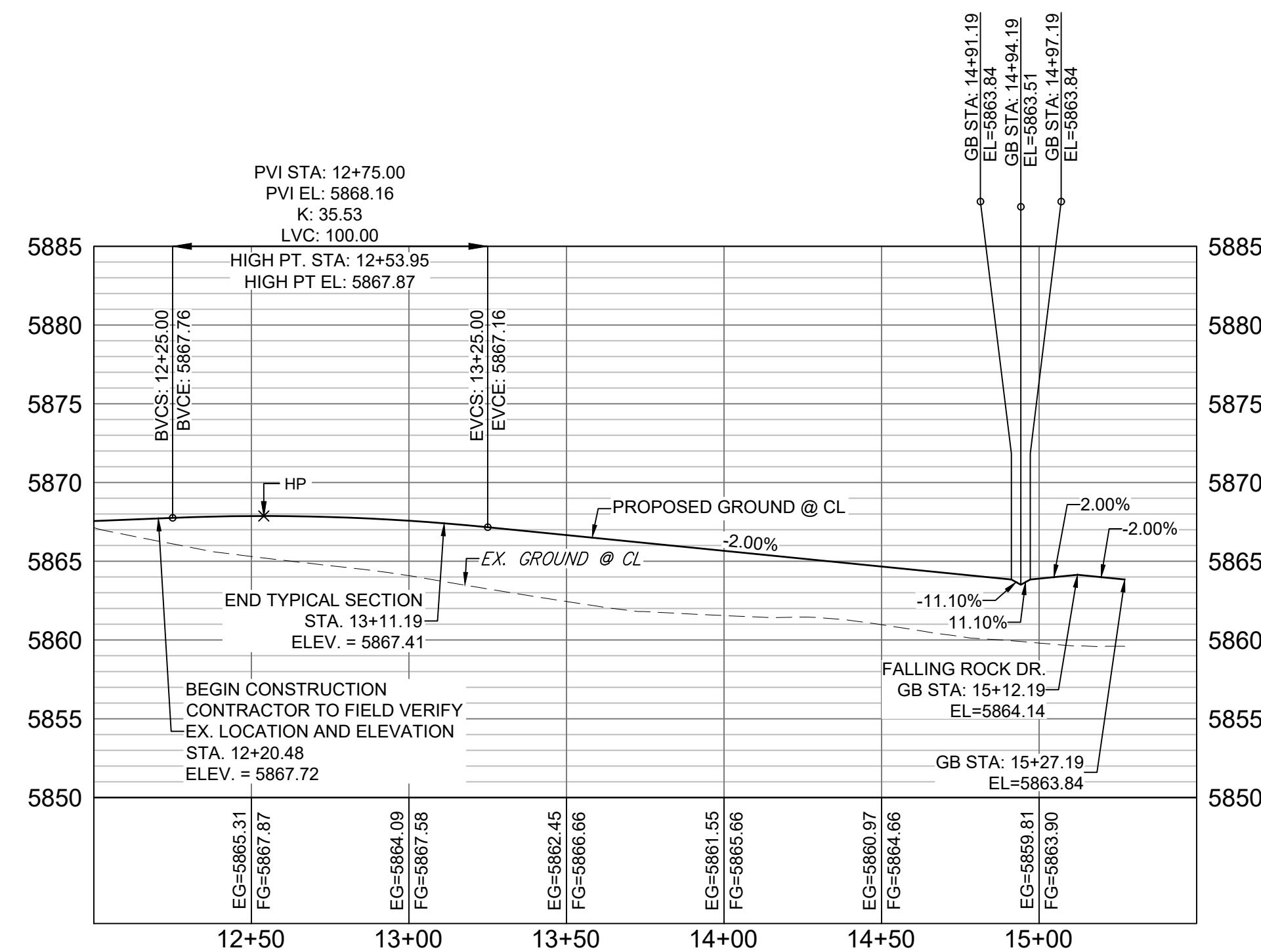
Know what's below.  
Call before you dig.



WAGON HAMMER DRIVE PLAN

LINE TABLE		
LINE #	BEARING	DISTANCE
L18	N11°09'12"E	17.28

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C8	192.98	1040.00	10°37'53"
C9	81.45	200.00	23°20'05"



WAGON HAMMER DRIVE CL PROFILE

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

REFERENCE DRAWINGS			
X-886-PR SITE_F1			
X-886-PR STORM_F1			
19-886-PR UTIL			
19-886-PR UTIL_SANITARY			
X-886-PR SITE-F2			
886-PR Legacy Drive			
GEC Titleblock			
X-886-PR SITE-FUTURE FILING			
X-886-PR-UTIL-F2			

No.	DATE	DESCRIPTION	BY
REVISIONS			

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DATE	2019 1:21:57 PM
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SHEET KEY

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

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

PREPARED BY:

SEAL

**PRELIMINARY**  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

**TRAILS AT ASPEN RIDGE**

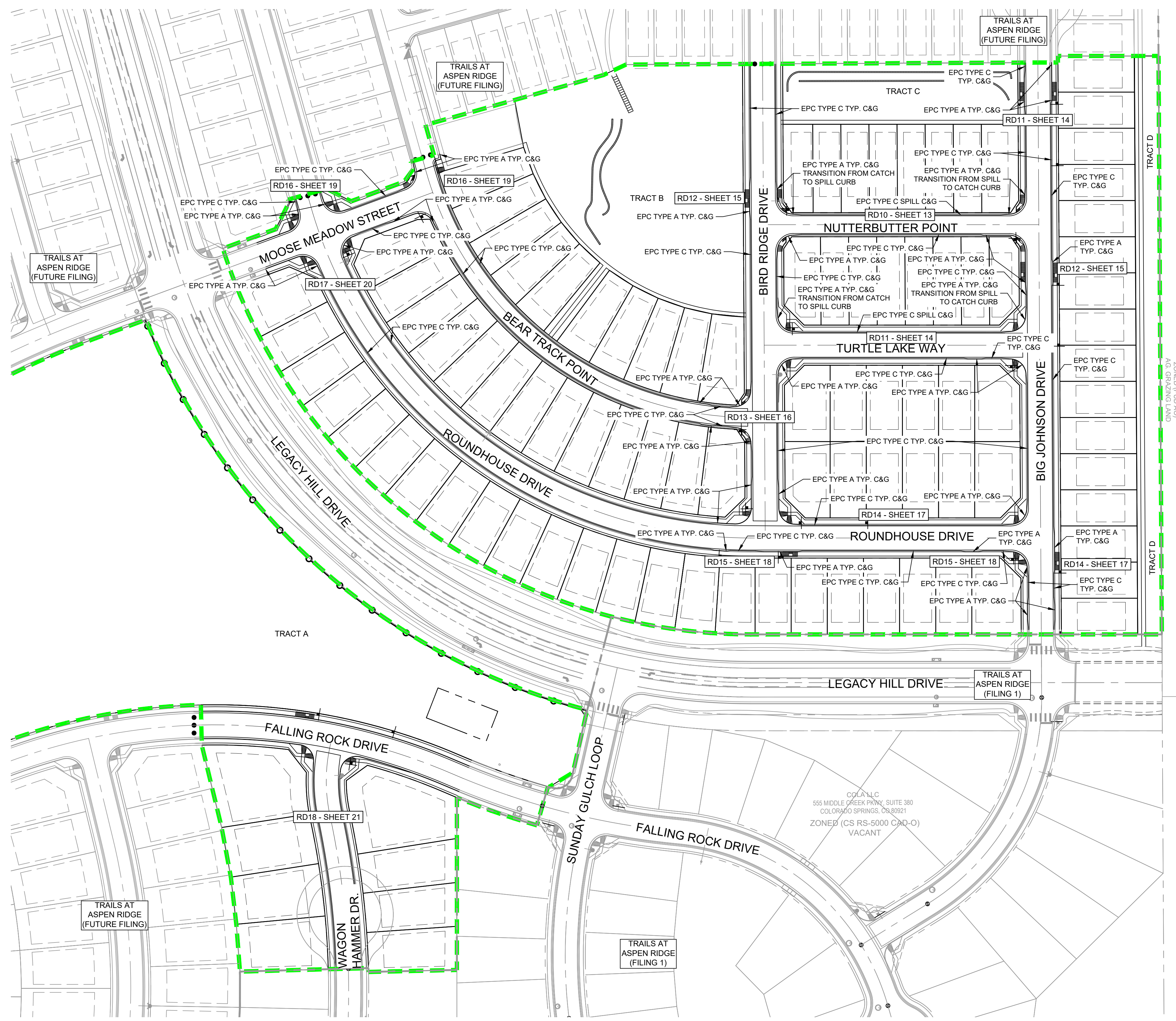
FILING NO. 2  
ROADWAY & STORM IMPROVEMENT PLANS

ROADWAY PLAN & PROFILE

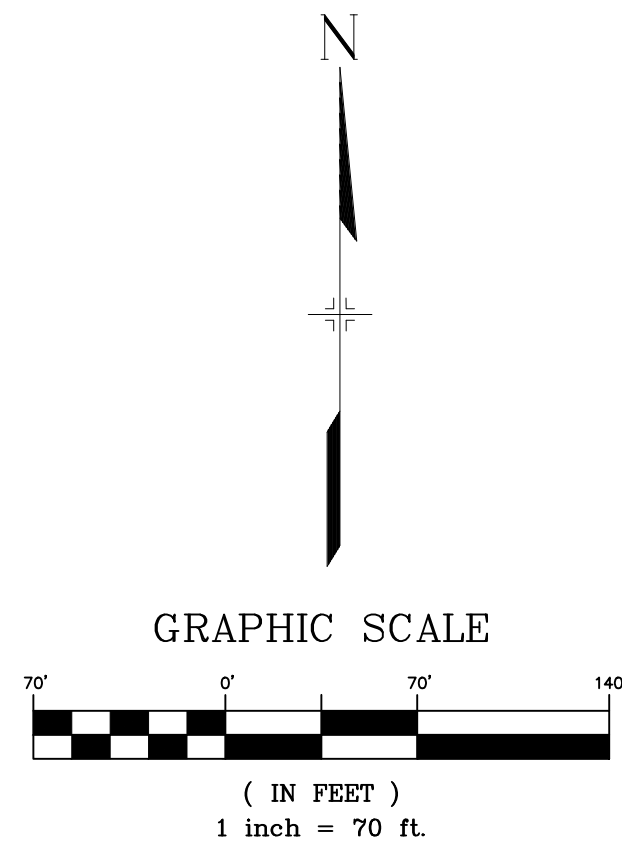
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DRAWN BY: CRD	VERT. 1" = 8'	SHEET 11 OF 35	
CHECKED BY: NMS			



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CASE LINDSAY J  
102 E PIKE PEAK AVE STE 200  
COLORADO SPRINGS, CO 80903-1818  
ZONED (RUD AO)  
AG, GRAZING LAND



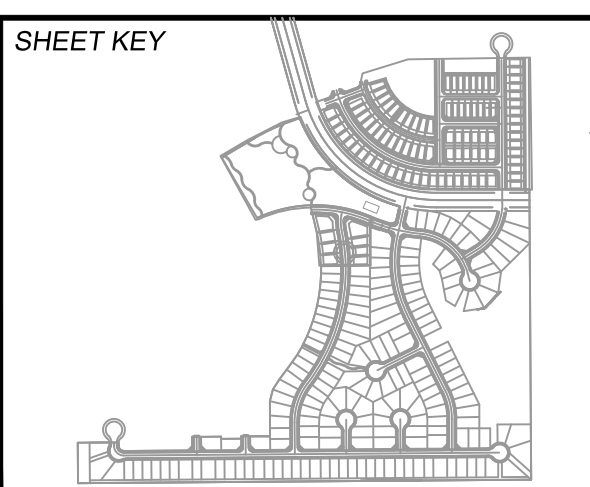
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X-886-PR STORM_F1			
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19-886-PR UTIL_SANITARY			
X-886-PR SITE-FUTURE			
X-886-PR SITE-F2			
886-PR Legacy Drive			
GEC Titleblock			
X-886-PR-UTIL-F2			
X-886-PR SITE-FUTURE FILING			

No.	DATE	DESCRIPTION	BY
REVISIONS			

COMPUTER FILE MANAGEMENT	
FILE NAME:	S:\19.886.014 (Trails at Aspen Ridge - F2)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD09 - FLOWLINES.dwg
CTB FILE:	COMM-TECH_D-SIZE_BW.ctb
PLOT DATE:	November 8, 2019 1:23:03 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 1/2' AULM. CAP PLS 10377)

PREPARED BY:

SEAL

**PRELIMINARY**  
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**TRAILS AT ASPEN RIDGE**

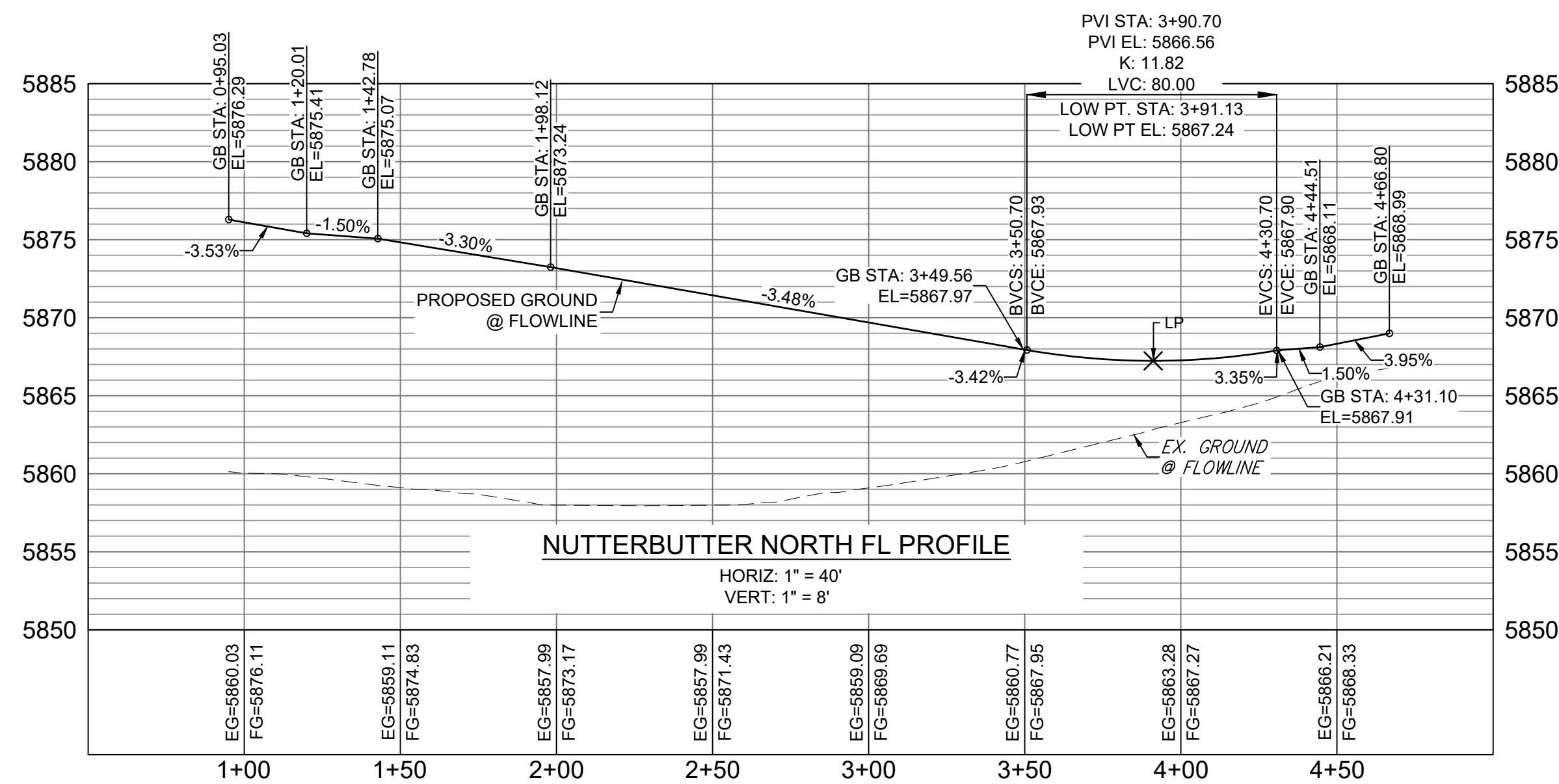
FILING NO. 2  
ROADWAY & STORM IMPROVEMENT PLANS

**FLOWLINE KEY MAP**

DESIGNED BY:	NMS	SCALE:	HORIZ 1"=70'	DATE ISSUED:	NOVEMBER, 2019	DRAWING No.	RD09
CHECKED BY:	NMS	VERT:	N/A	SHEET:	12 OF 35		

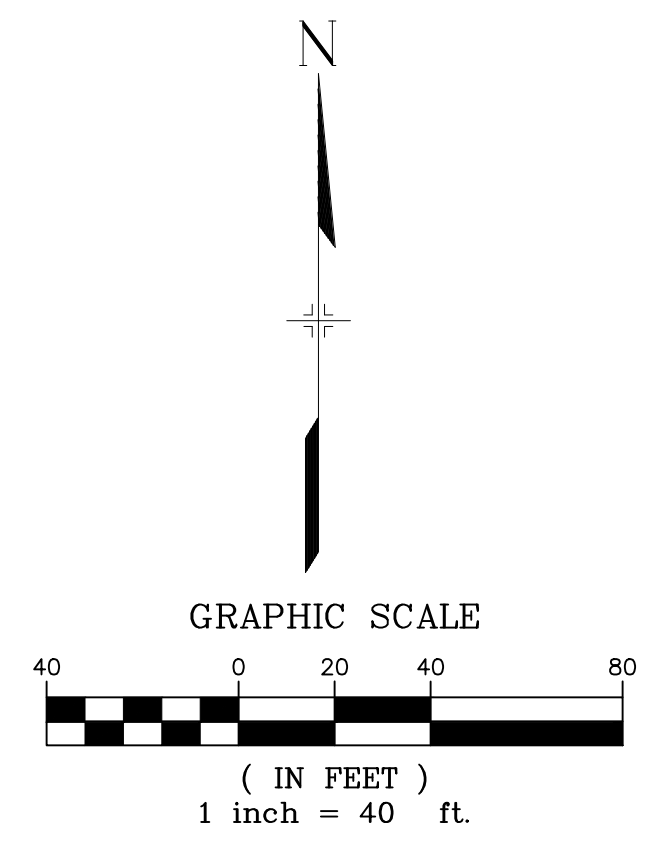
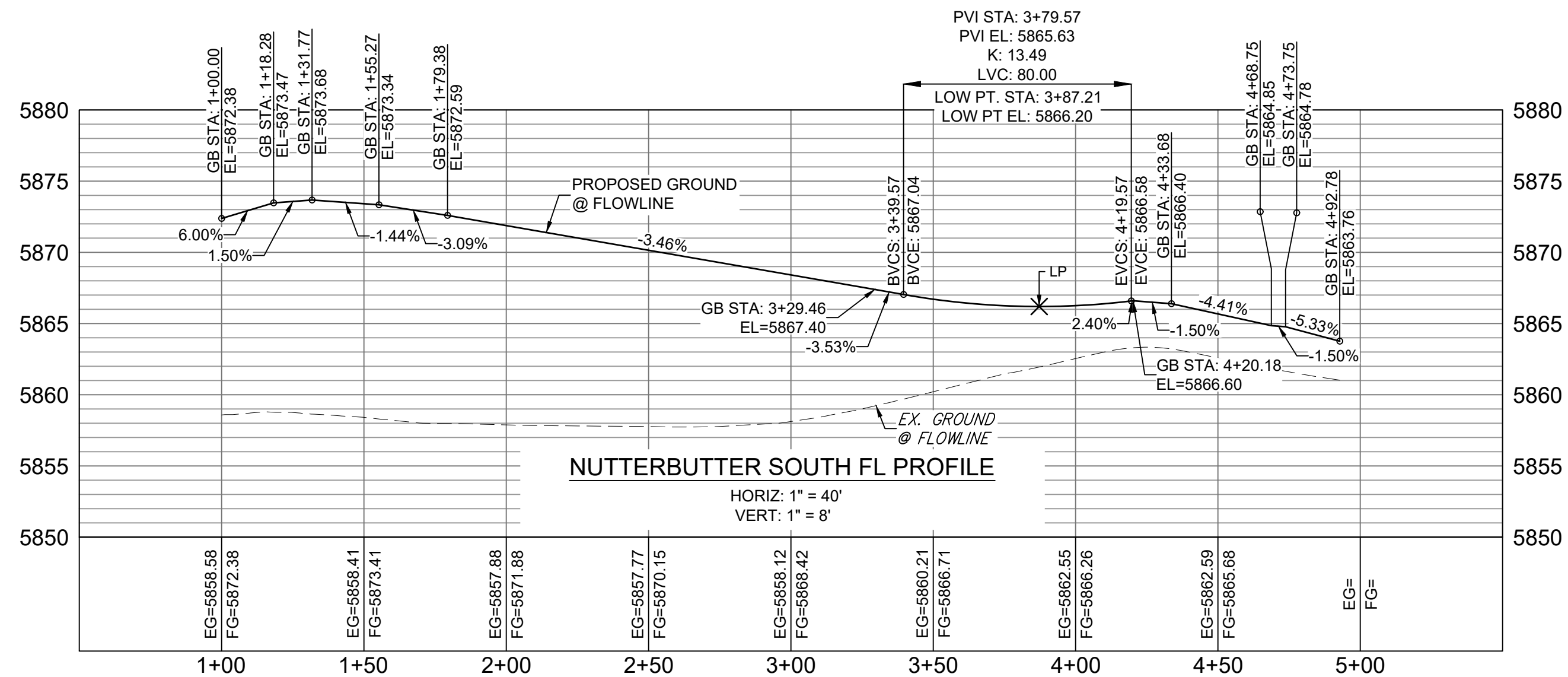
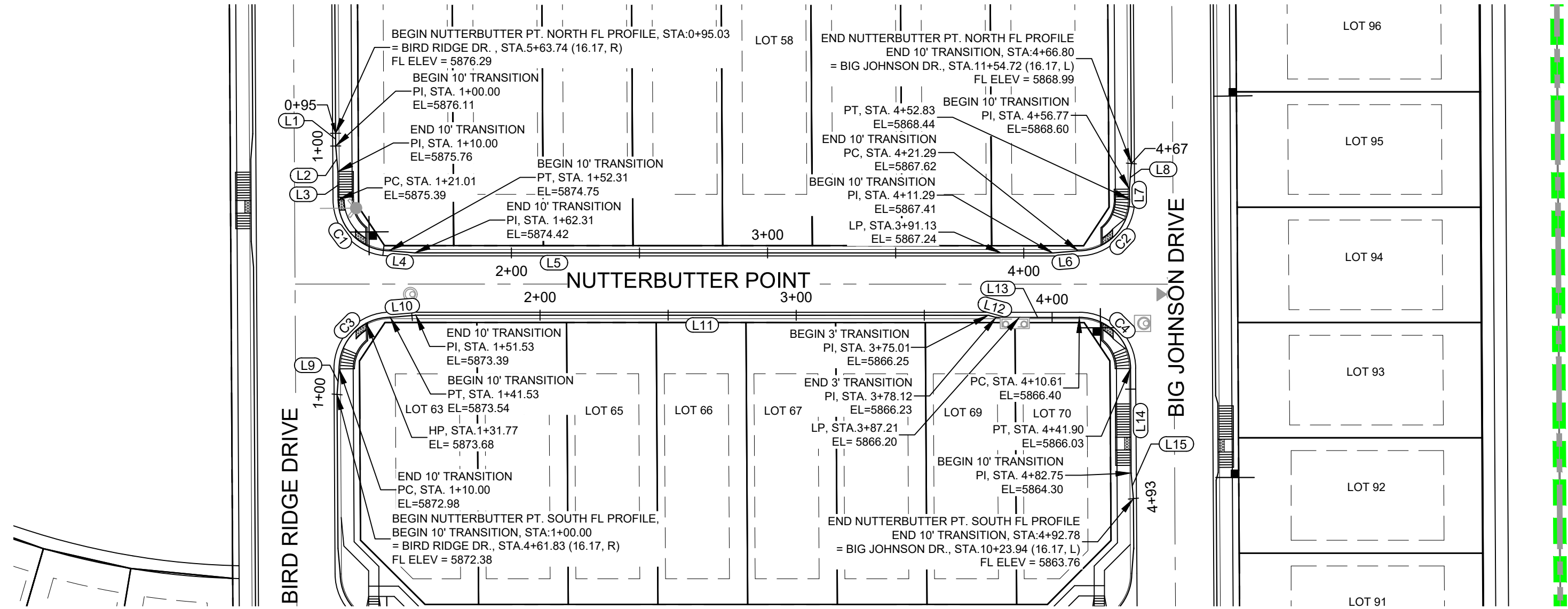


Know what's below.  
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LINE #	DIRECTION	LENGTH
L1	S0° 19' 34"E	4.97
L2	S5° 06' 23"E	10.00
L3	S0° 19' 34"E	11.01
L4	S85° 13' 53"E	10.00
L5	S89° 59' 30"E	248.98
L6	N85° 13' 38"E	10.00
L7	N0° 20' 48"W	3.94
L8	N4° 25' 01"E	10.03
L9	N4° 27' 14"E	10.00
L10	N85° 14' 47"E	10.00
L11	S89° 59' 33"E	223.48
L12	S74° 31' 39"E	3.11
L13	S89° 59' 33"E	32.49
L14	S0° 20' 48"E	40.84
L15	S5° 06' 37"E	10.03

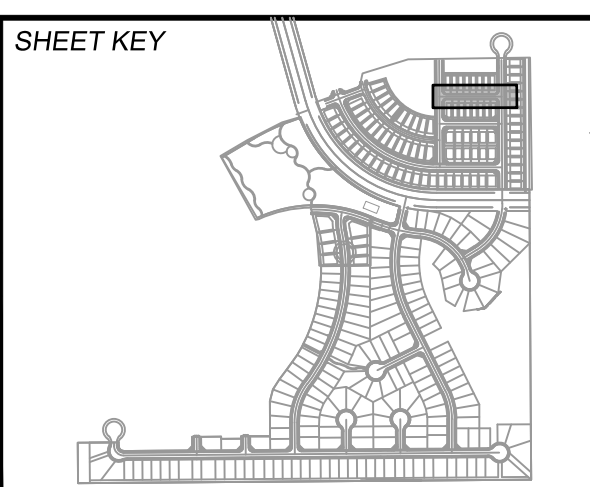
CURVE #	RADIUS	LENGTH	DELTA
C1	20.00	31.30	089°39'59"
C2	20.00	31.54	090°21'15"
C3	20.00	31.53	090°20'01"
C4	20.00	31.29	089°38'45"



No.	DATE	DESCRIPTION	BY
REVISIONS			

**COMPUTER FILE MANAGEMENT**

FILE NAME: S:\19.886.014 (Trails at Aspen Ridge - F2)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD09 - FLOWLINES.dwg  
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**BENCHMARK**  
 COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
 A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD,  
 ELEVATION - 5897.89' U.S. SURVEY FT

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

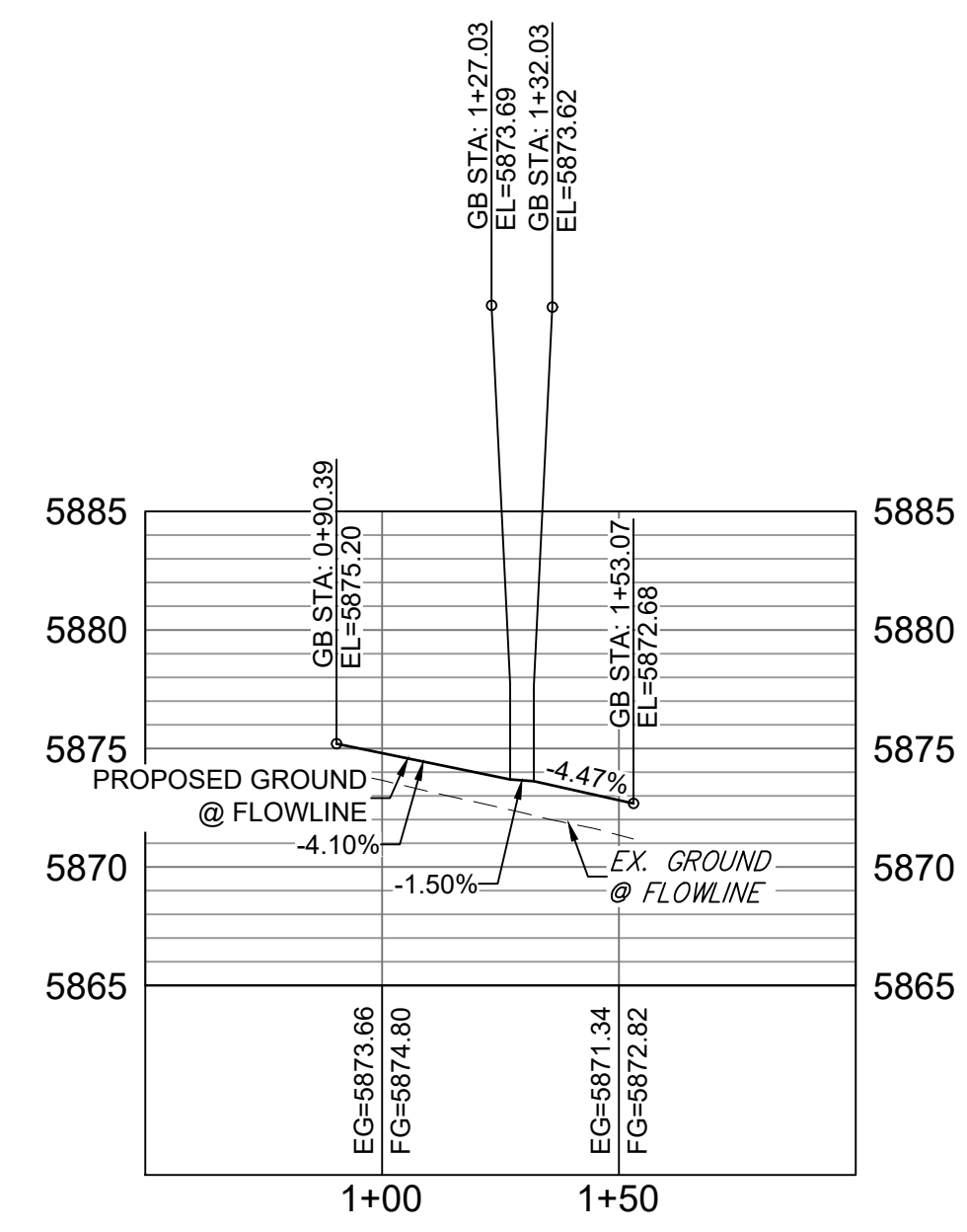
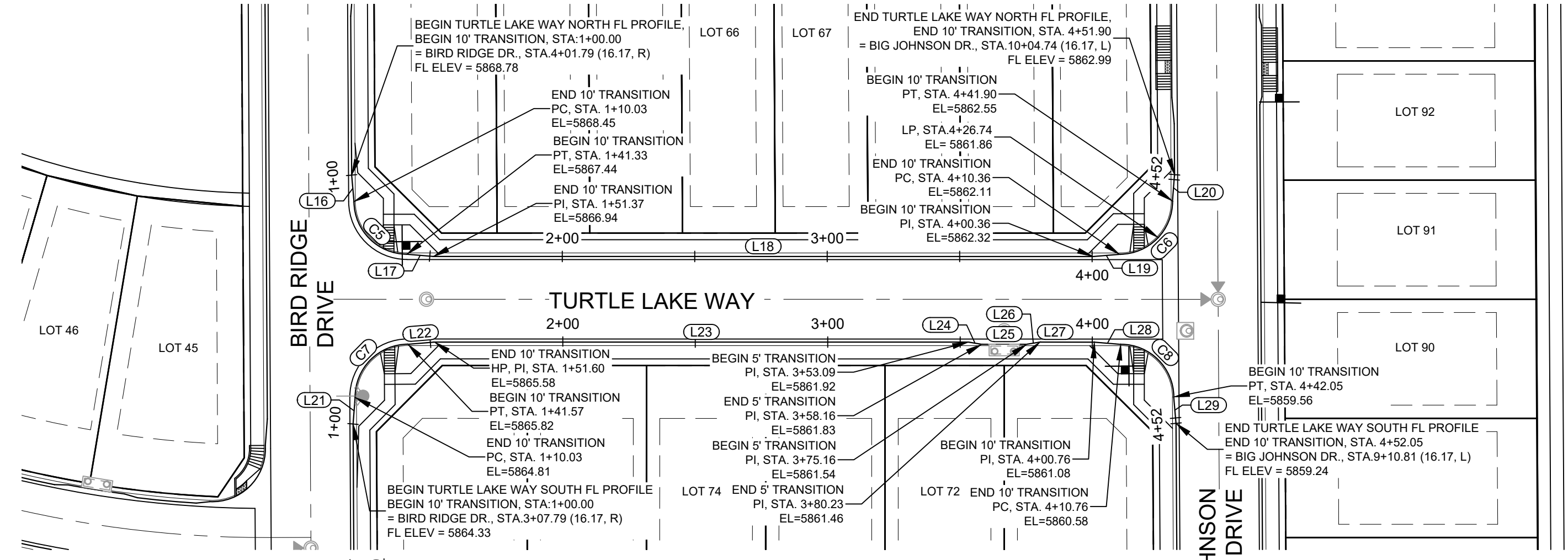
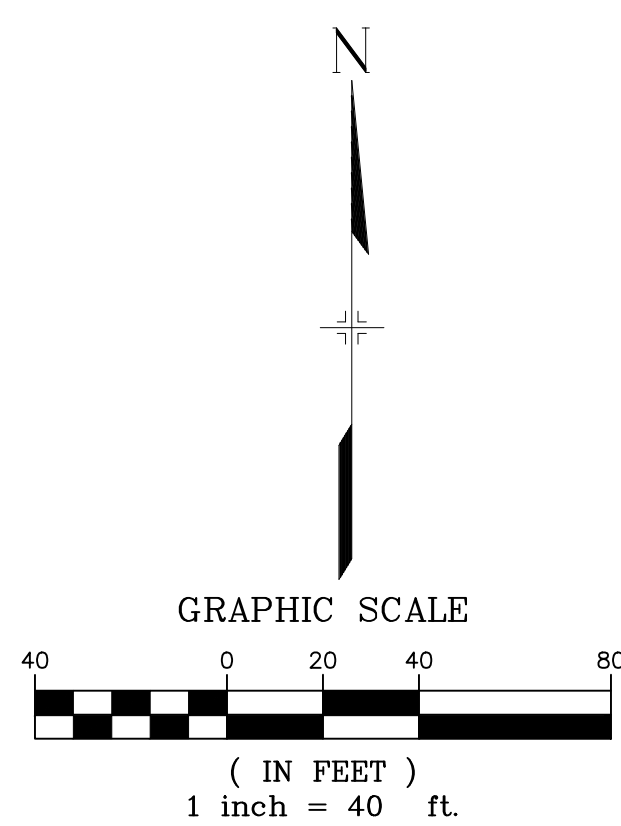
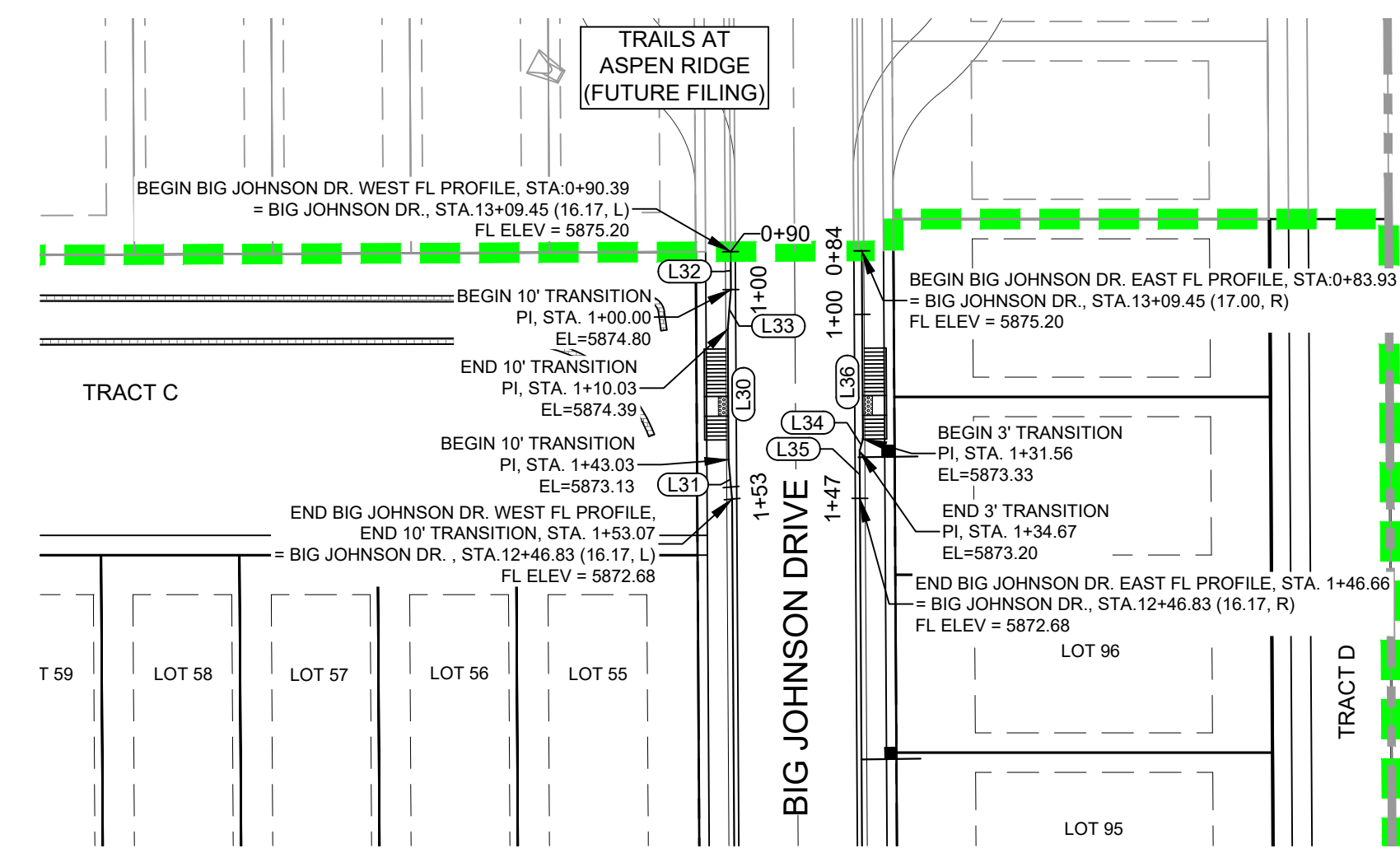
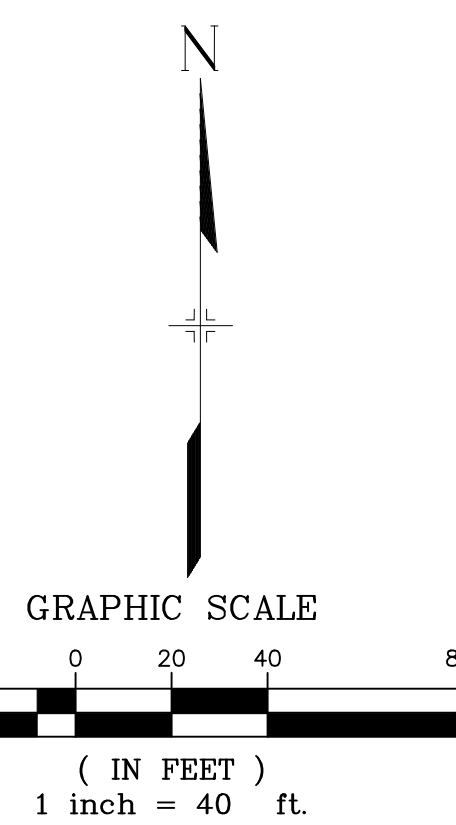
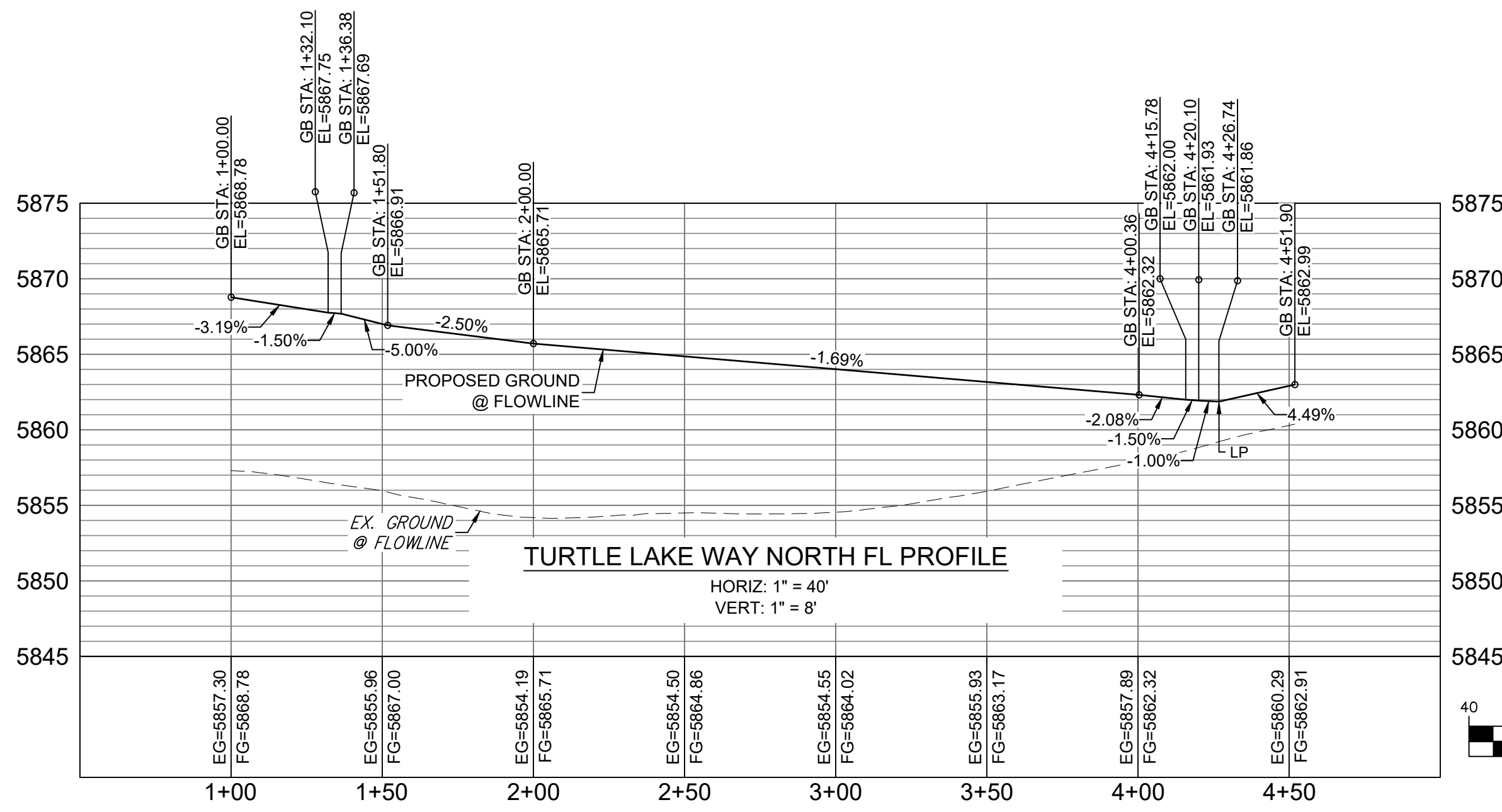
PREPARED BY:

SEAL  
**PRELIMINARY**  
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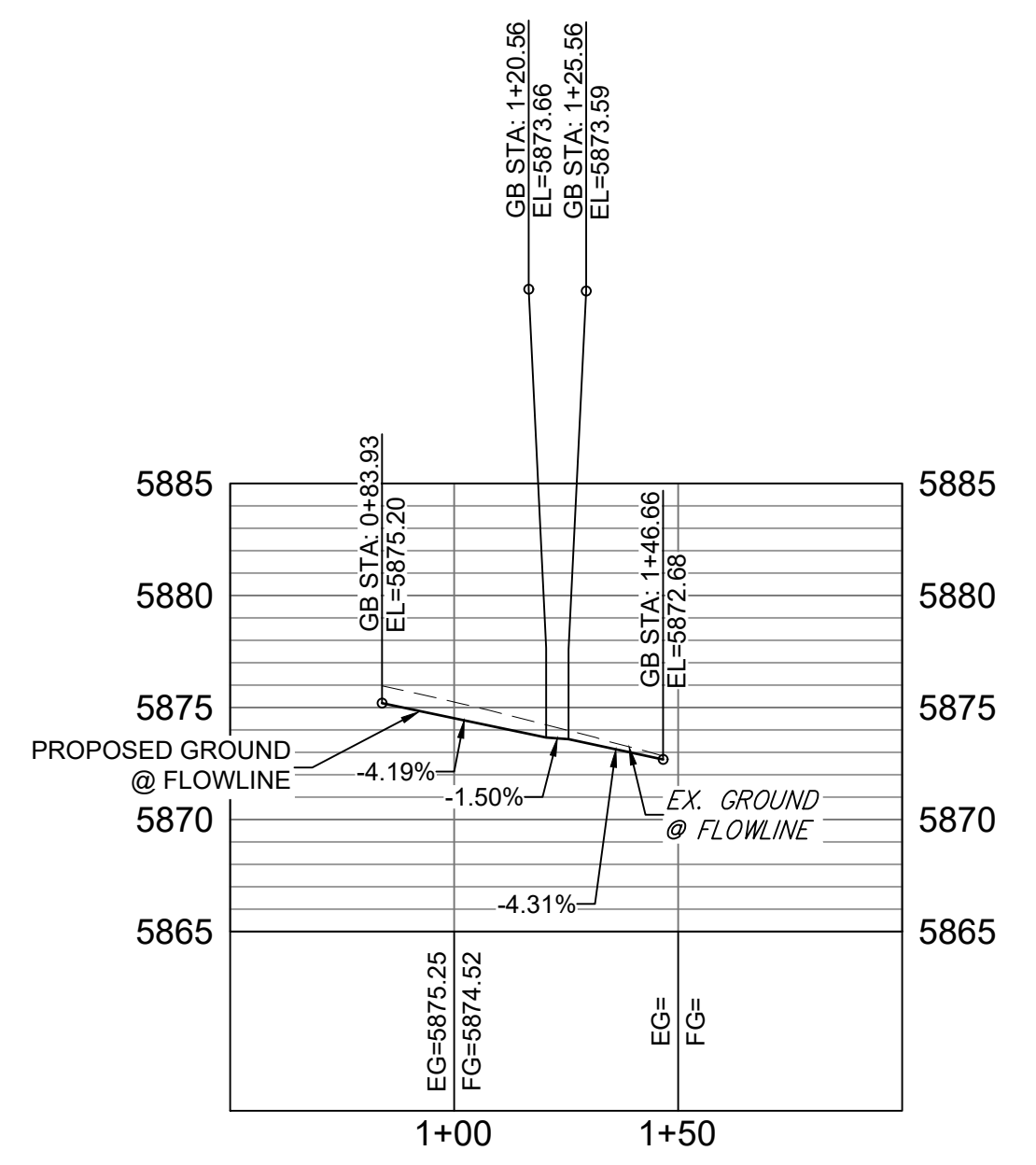
<b>TRAILS AT ASPEN RIDGE</b>			
FILING NO. 2			
ROADWAY & STORM IMPROVEMENT PLANS			
<b>FLOWLINE PLAN &amp; PROFILE</b>			
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CHECKED BY: NMS	VERT. 1" = 8'	SHEET 13 OF 35	



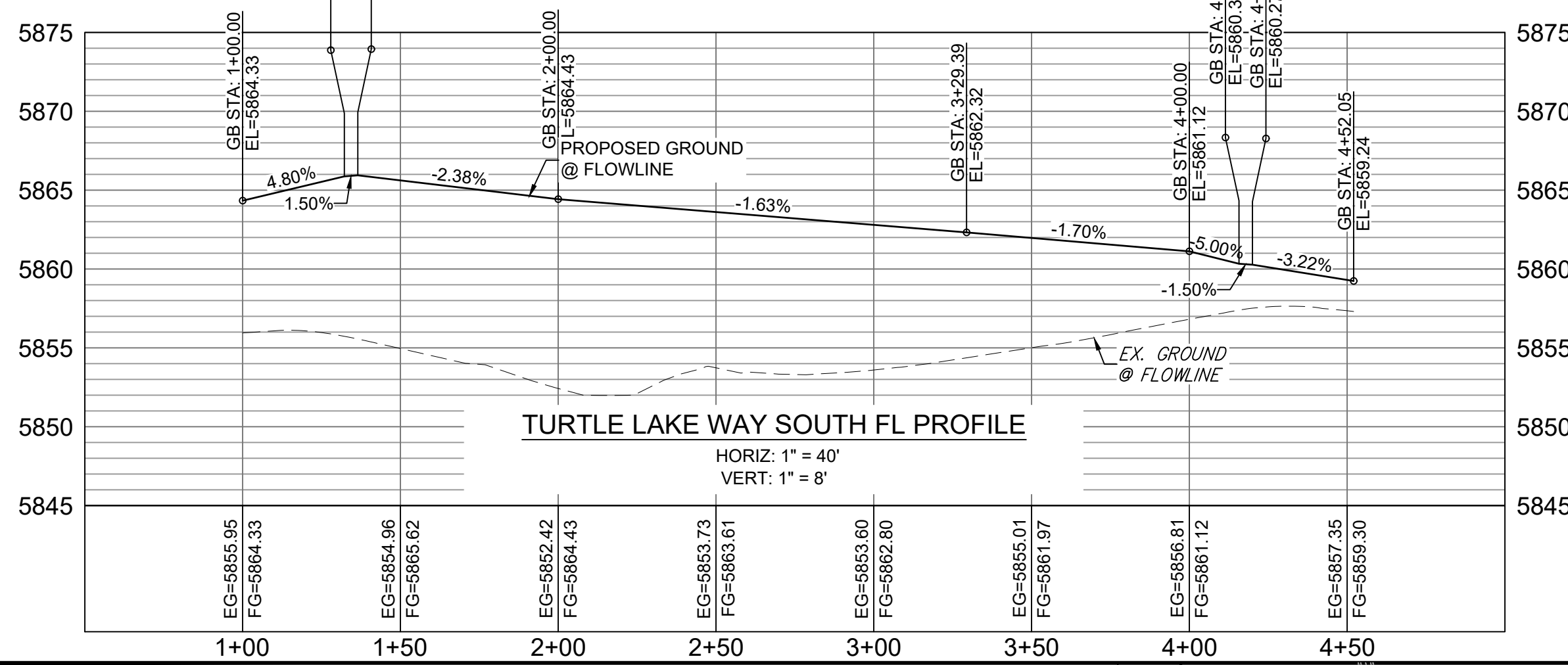
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**BIG JOHNSON DRIVE WEST FL PROFILE**  
HORIZ: 1" = 40'  
VERT: 1" = 8'



**BIG JOHNSON DRIVE EAST FL PROFILE**  
HORIZ: 1" = 40'  
VERT: 1" = 8'



**LINE TABLE**

LINE #	DIRECTION	LENGTH
L16	S5° 05' 23"E	10.03
L17	S85° 13' 44"E	10.03
L18	S89° 59' 33"E	249.00
L19	N85° 13' 38"E	10.00
L20	N4° 26' 01"E	10.00
L21	N4° 26' 15"E	10.03
L22	N85° 14' 38"E	10.03
L23	S89° 59' 33"E	201.49
L24	S80° 31' 49"E	5.07
L25	S89° 59' 47"E	17.01
L26	N80° 32' 43"E	5.06
L27	S89° 59' 33"E	20.54

**LINE TABLE**

LINE #	DIRECTION	LENGTH
L28	S85° 12' 44"E	10.00
L29	S5° 07' 36"E	10.00
L30	S0° 19' 47"E	33.00
L31	S5° 10' 04"E	10.04
L32	S0° 20' 48"E	9.61
L33	S4° 25' 08"W	10.03
L34	S15° 10' 37"W	3.11
L35	S0° 20' 48"E	11.99
L36	S0° 20' 48"E	47.63

**CURVE TABLE**

CURVE #	RADIUS	LENGTH	DELTA
C5	20.00	31.30	089°39'59"
C6	20.00	31.54	090°21'15"
C7	20.00	31.53	090°20'01"
C8	20.00	31.29	089°38'45"

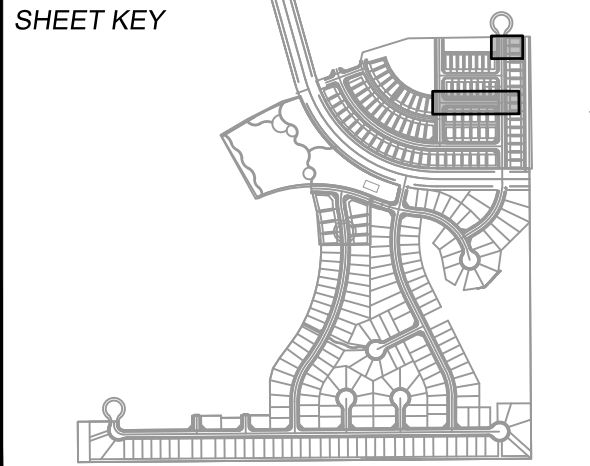
**REFERENCE DRAWINGS**

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X-886-PR STORM_F1	
19-886-PR UTIL	
19-886-PR UTIL_SANITARY	
X-886-PR SITE-FUTURE	
X-886-PR SITE-F2	
886-PR Legacy Drive	
GEC Titleblock	
X-886-PR-UTIL-F2	
X-886-PR SITE-FUTURE FILING	

**COMPUTER FILE MANAGEMENT**

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 CTB FILE: COMM-TECH\_D-SIZE\_BW.ctb  
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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:

**PRELIMINARY**  
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**TRAILS AT ASPEN RIDGE**

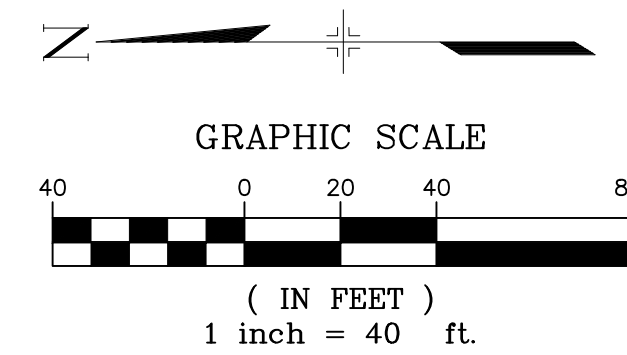
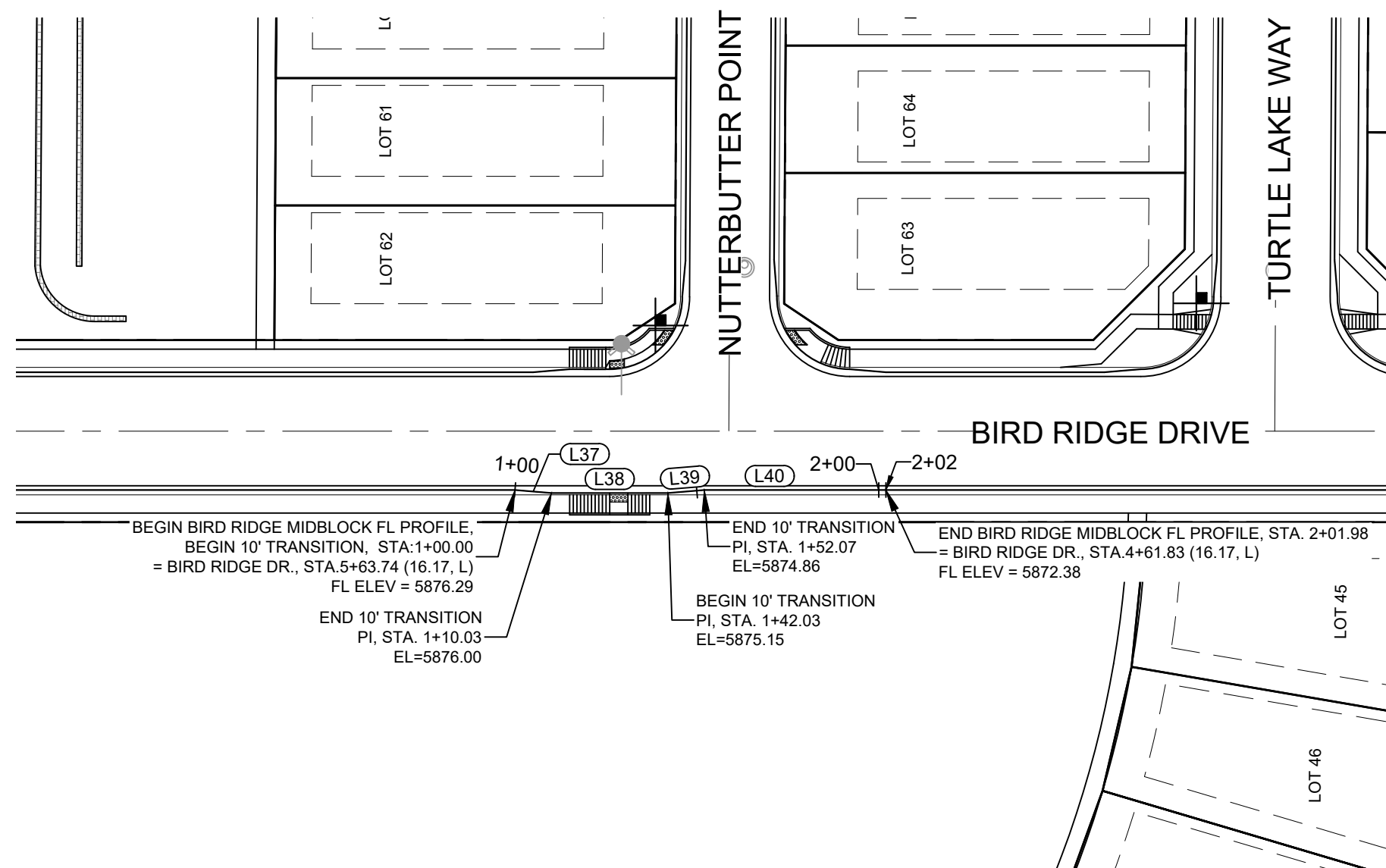
FILING NO. 2  
 ROADWAY & STORM IMPROVEMENT PLANS

**FLOWLINE PLAN & PROFILE**

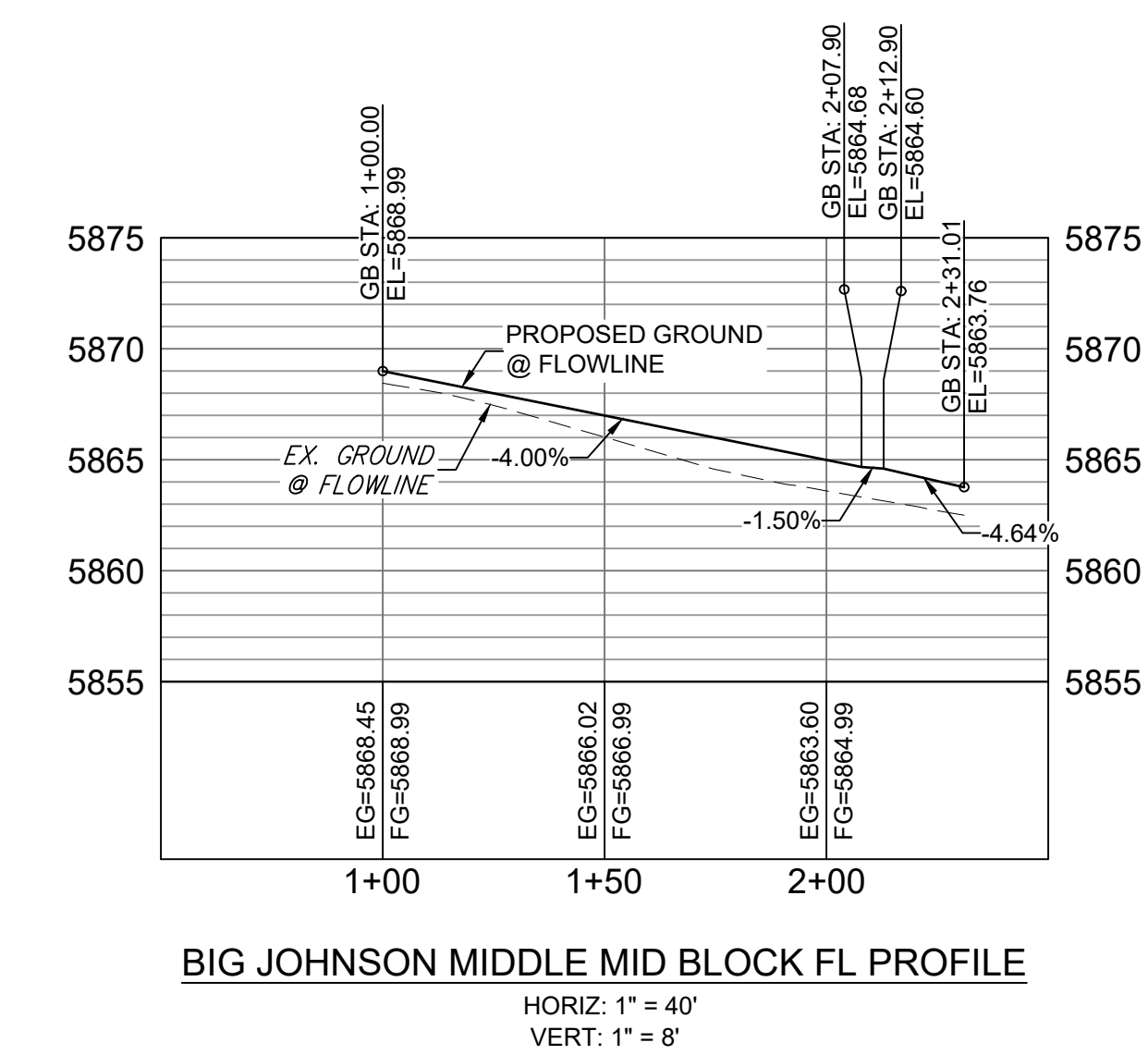
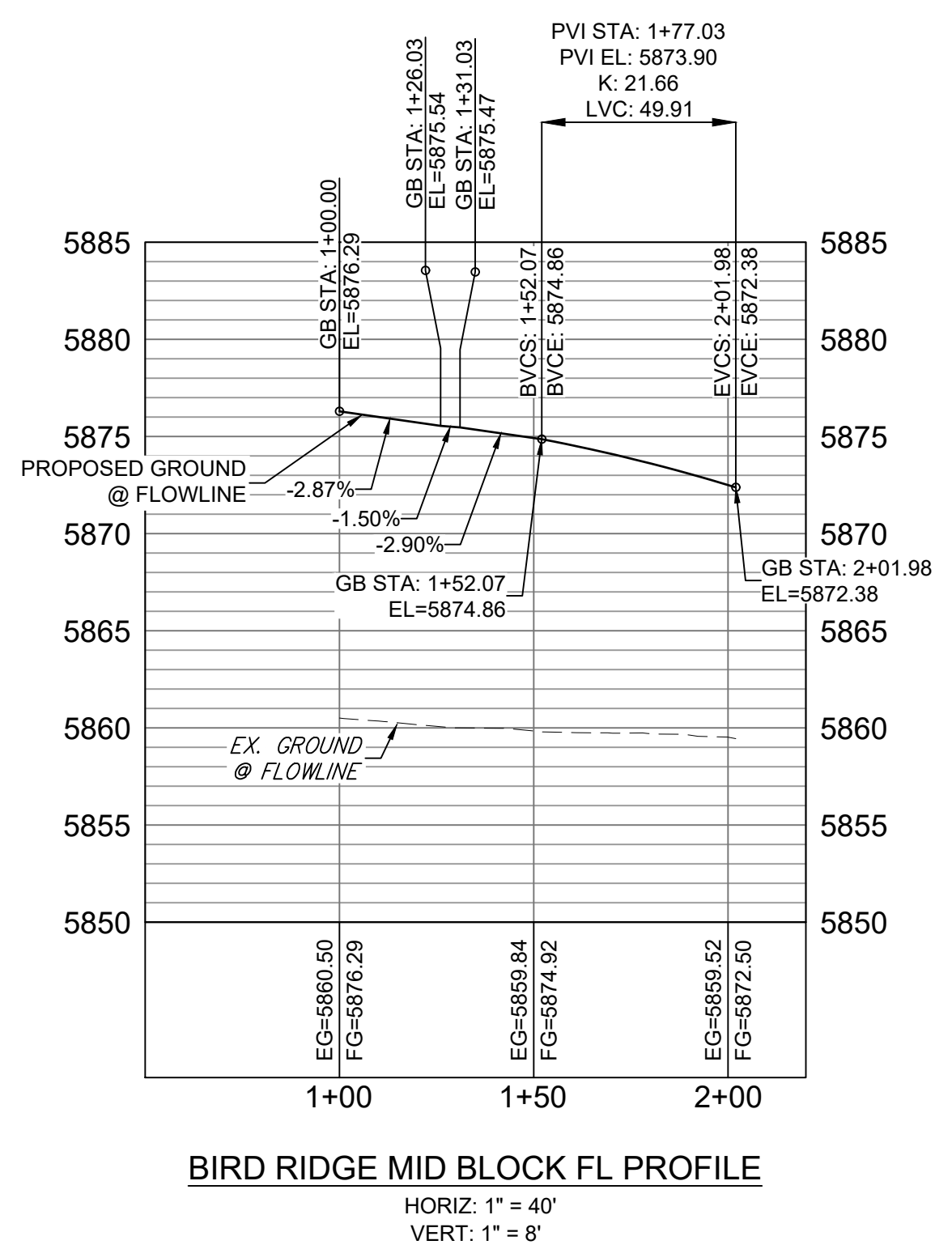
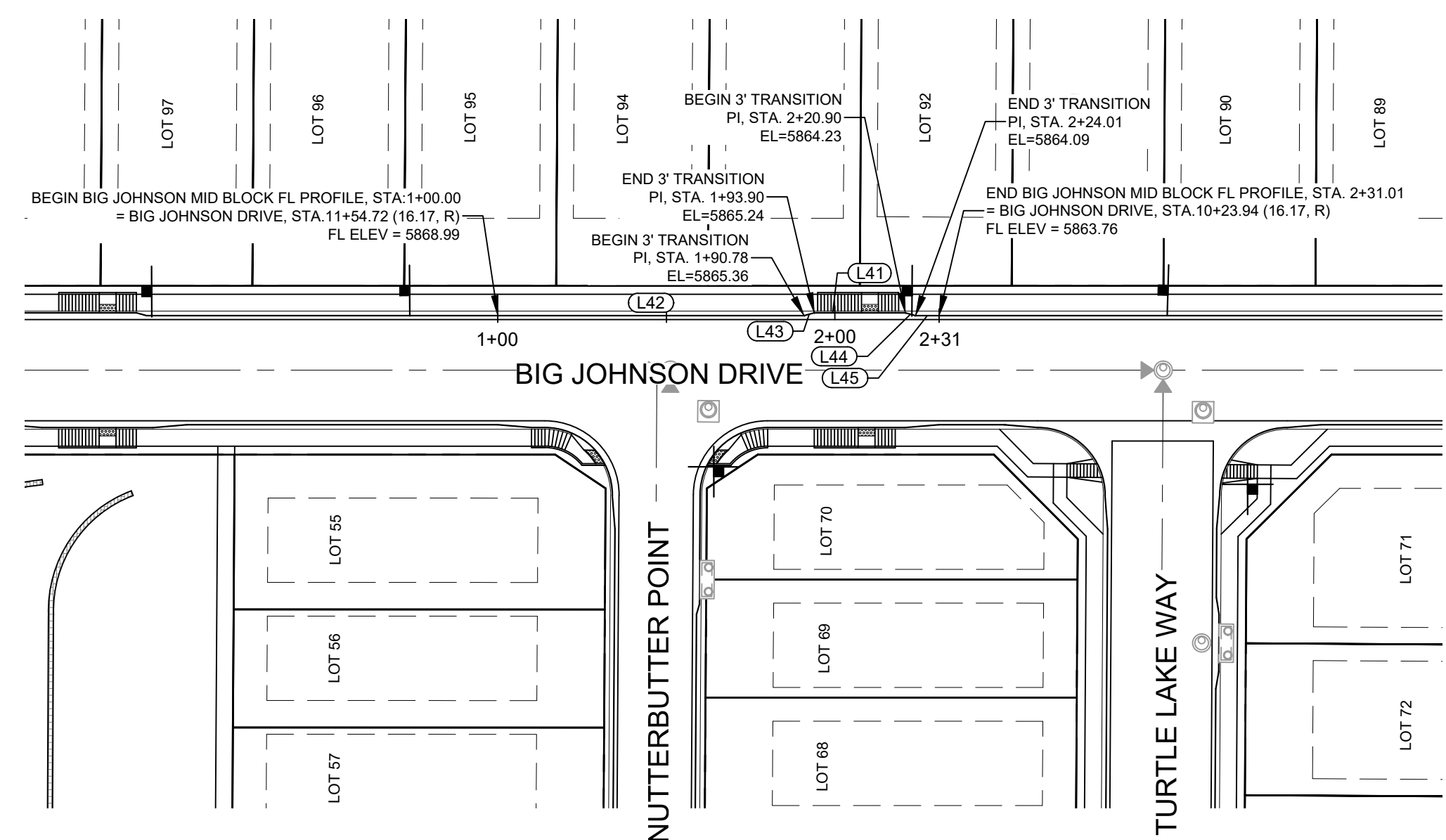
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CHECKED BY: NMS	VERT. 1" = 8'	SHEET 14 OF 35	



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LINE TABLE		
LINE #	DIRECTION	LENGTH
L37	S4° 26' 15"W	10.03
L38	S0° 19' 34"E	32.00
L39	S5° 05' 23"E	10.03
L40	S0° 19' 34"E	49.91
L41	S0° 20' 48"E	27.00
L42	S0° 20' 48"E	90.78
L43	S15° 52' 12"E	3.11
L44	S15° 10' 37"W	3.11
L45	S0° 20' 48"E	7.00



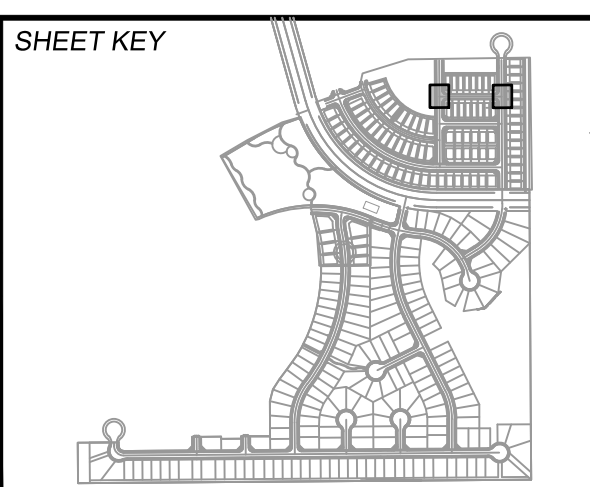
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X-886-PR SITE-F2			
886-PR Legacy Drive			
GEC Titleblock			
X-886-PR-UTIL-F2			
X-886-PR SITE-FUTURE FILING			

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REVISIONS			

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

**BASIS OF BEARING**  
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PREPARED BY:  
**Matrix**

SEAL  
**PRELIMINARY**  
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**TRAILS AT ASPEN RIDGE**

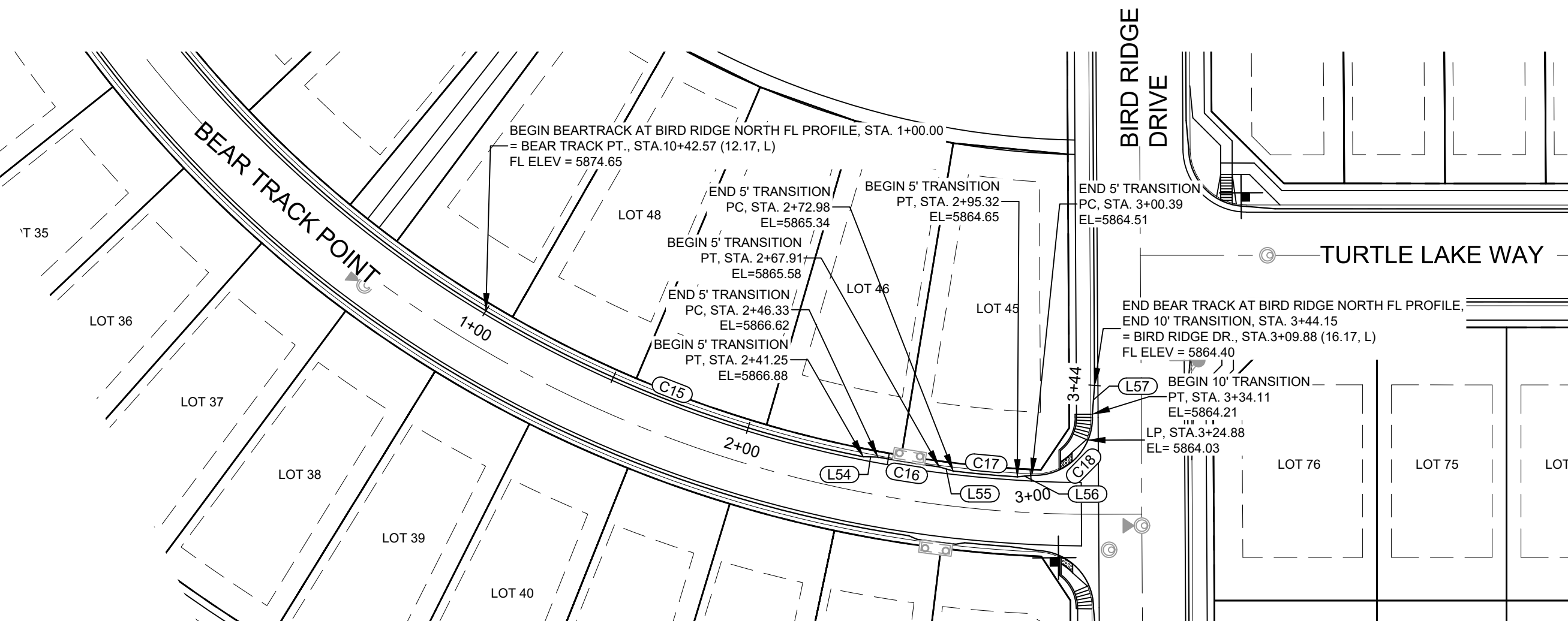
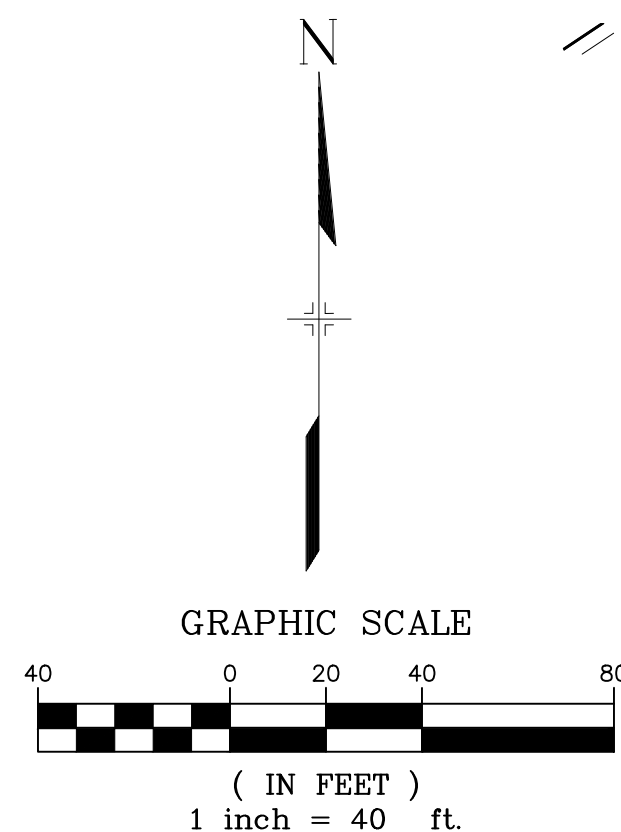
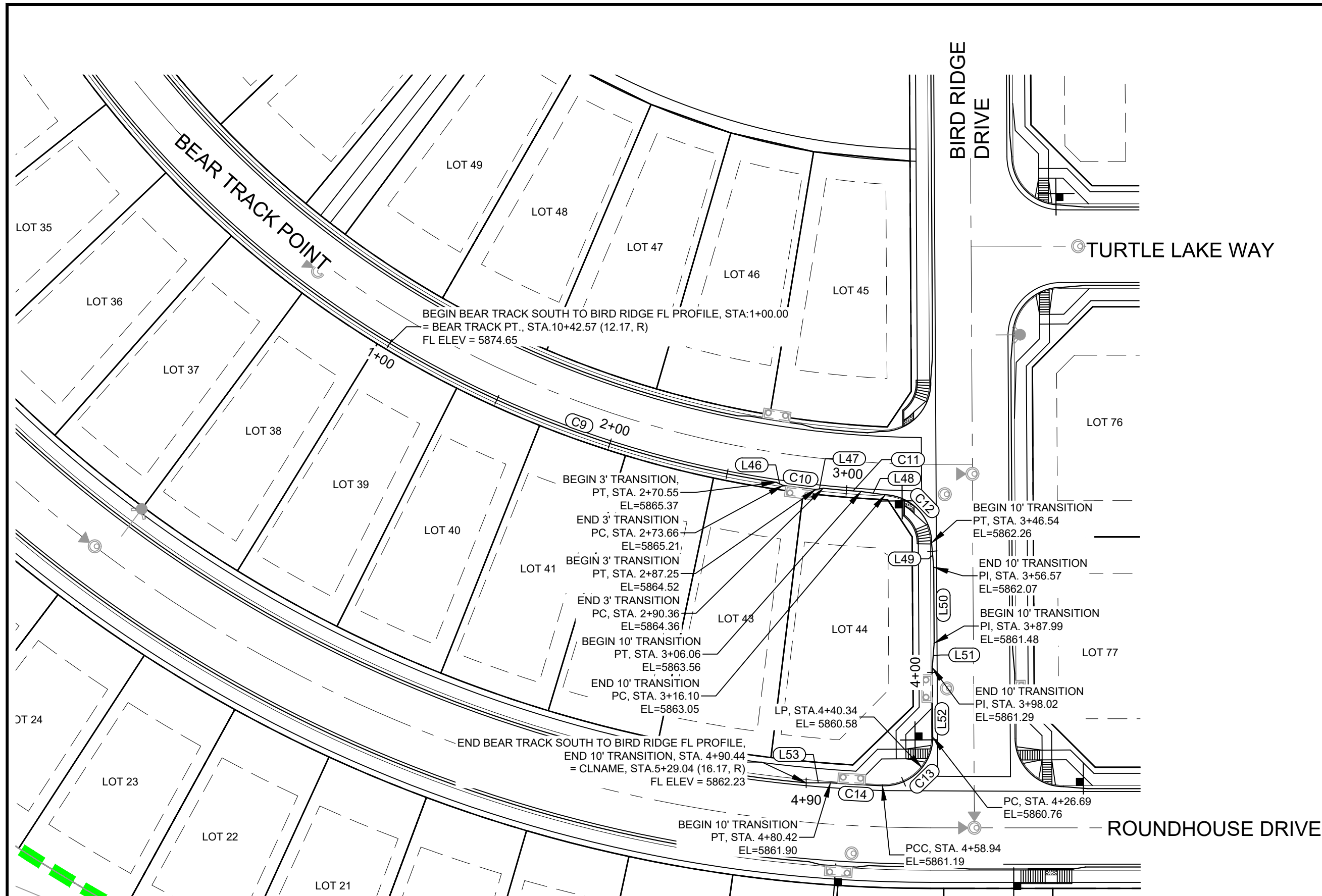
FILING NO. 2  
ROADWAY & STORM IMPROVEMENT PLANS

**FLOWLINE PLAN & PROFILE**

DESIGNED BY: NMS	SCALE: HORIZ 1" = 40'	DATE ISSUED: NOVEMBER, 2019	DRAWING No.
DRAWN BY: CRD	VERT. 1" = 8'	SHEET	15 OF 35
CHECKED BY: NMS			RD12

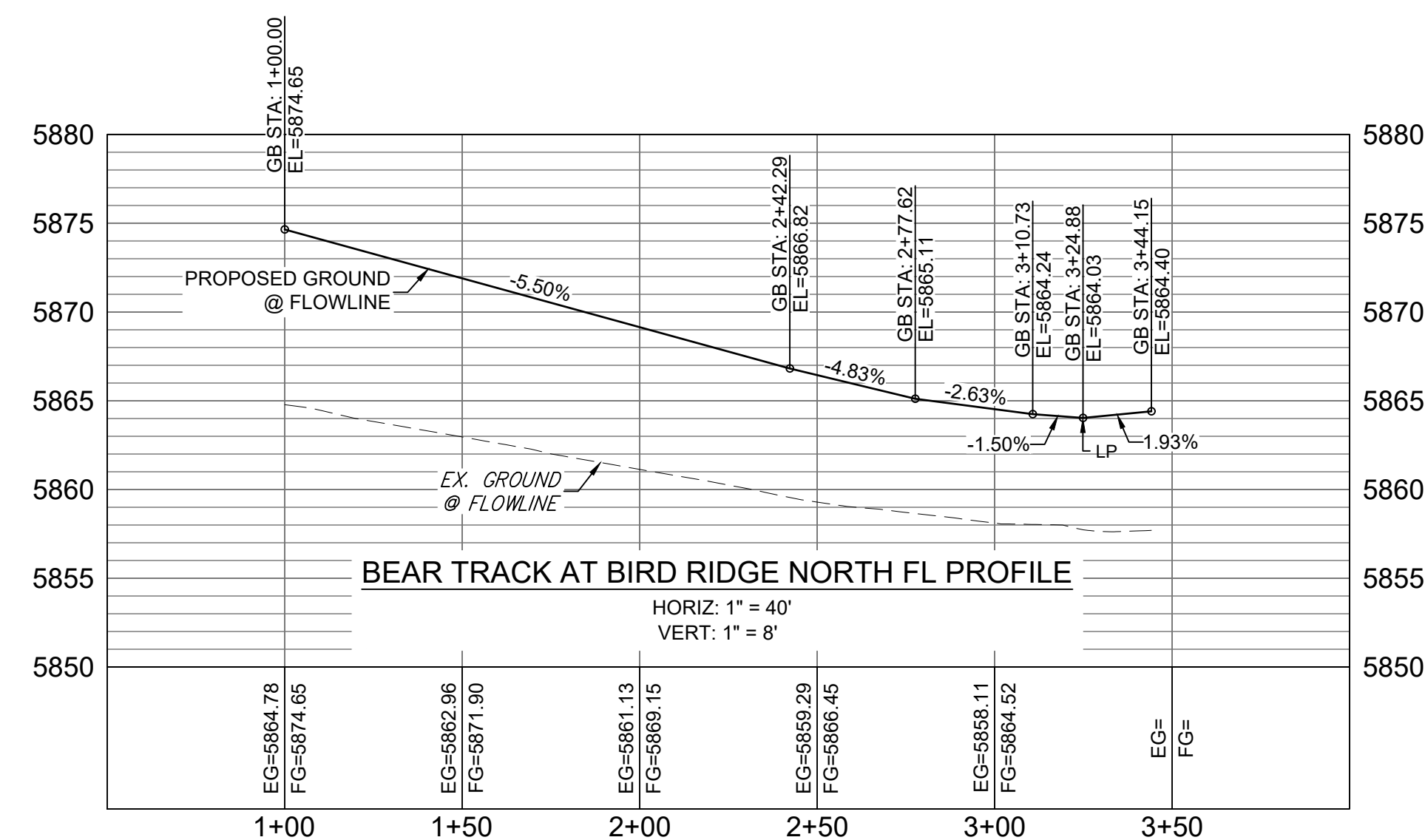
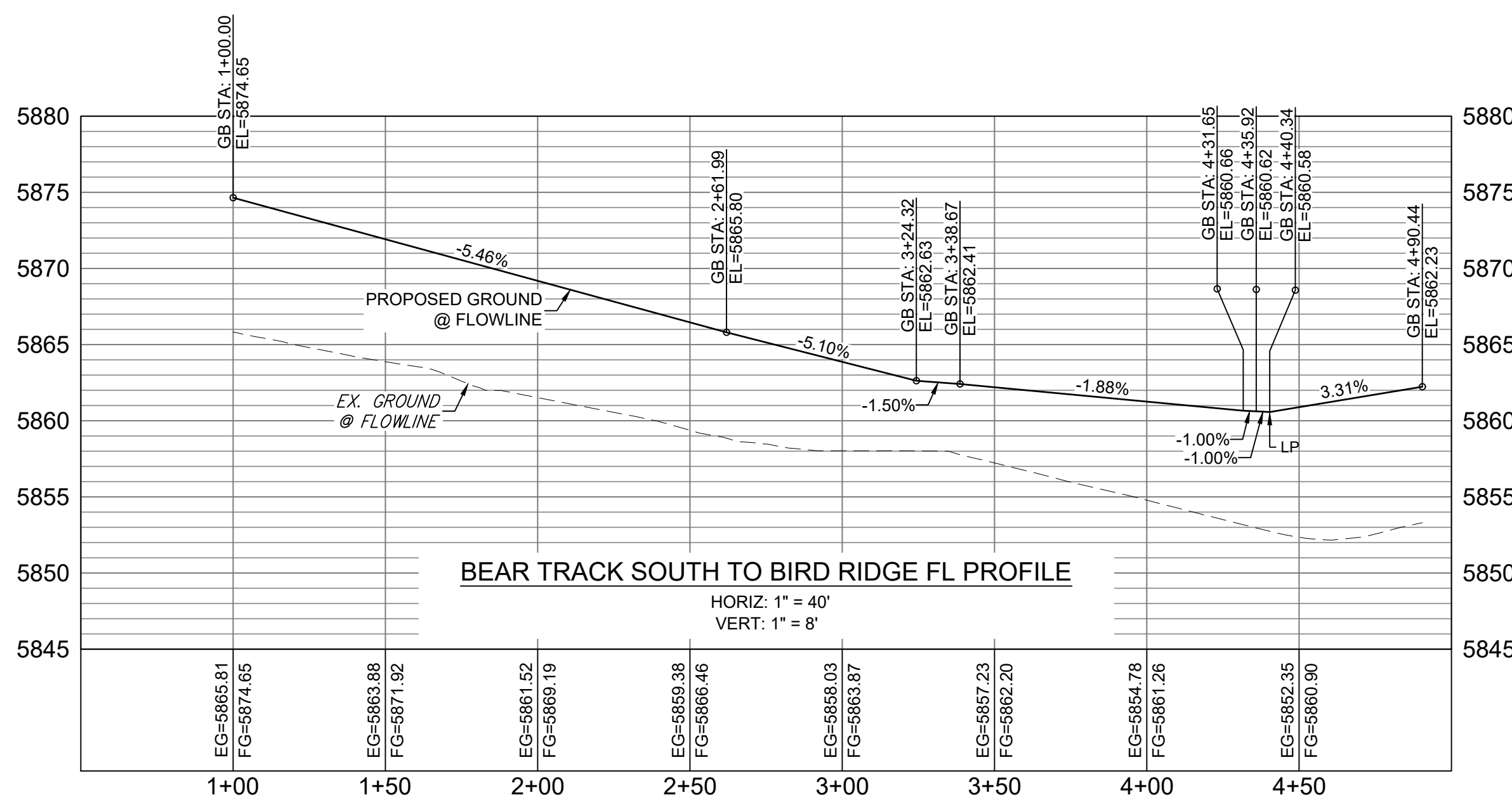


Know what's below.  
Call before you dig.

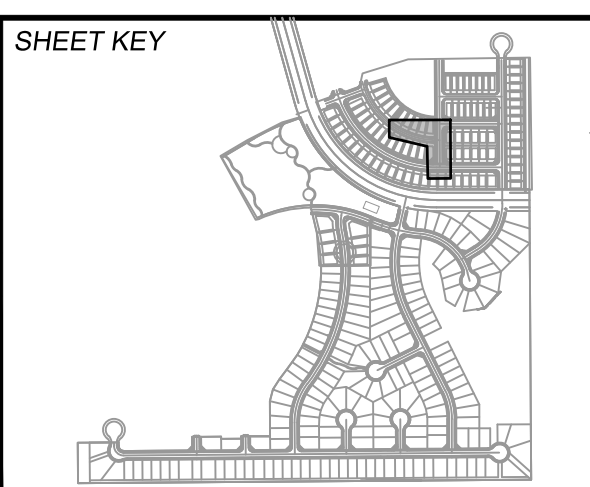


LINE TABLE		
LINE #	DIRECTION	LENGTH
L46	S66° 11' 09"E	3.11
L47	N80° 32' 33"E	3.11
L48	S82° 06' 09"E	10.04
L49	S5° 05' 23"E	10.03
L50	S0° 19' 34"E	31.41
L51	S4° 26' 13"W	10.04
L52	S0° 19' 34"E	28.67
L53	N89° 58' 08"W	10.03
L54	S88° 32' 10"E	5.07
L55	S73° 25' 56"E	5.07
L56	N83° 52' 17"E	5.06
L57	N4° 26' 03"E	10.04

CURVE TABLE			
CURVE #	RADIUS	LENGTH	DELTA
C9	432.17	170.55	022°36'42"
C10	433.00	13.59	001°47'53"
C11	432.17	15.69	002°04'49"
C12	20.00	30.44	087°11'52"
C13	20.00	32.25	092°22'53"
C14	553.00	21.48	002°13'32"
C15	407.82	141.25	019°50'41"
C16	407.00	21.58	003°02'16"
C17	407.82	22.34	003°08'21"
C18	20.05	33.72	096°21'57"



REFERENCE DRAWINGS		COMPUTER FILE MANAGEMENT	
X-886-PR SITE F1		FILE NAME: S:\19.886.014 (Trails at Aspen Ridge - F2)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD09 - FLOWLINES.dwg	
X-886-PR STORM F1		CTB FILE: COMM-TECH_D-SIZE_BW.ctb	
19-886-PR UTIL		PLOT DATE: November 8, 2019 1:23:47 PM	
19-886-PR UTIL SANITARY		THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.	
X-886-PR SITE-FUTURE			
X-886-PR SITE-F2			
886-PR Legacy Drive			
GEC Titleblock			
X-886-PR UTIL-F2			
X-886-PR SITE-FUTURE FILINGS			



**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**

SEAL  
**PRELIMINARY**  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

**TRAILS AT ASPEN RIDGE**

FILING NO. 2  
ROADWAY & STORM IMPROVEMENT PLANS

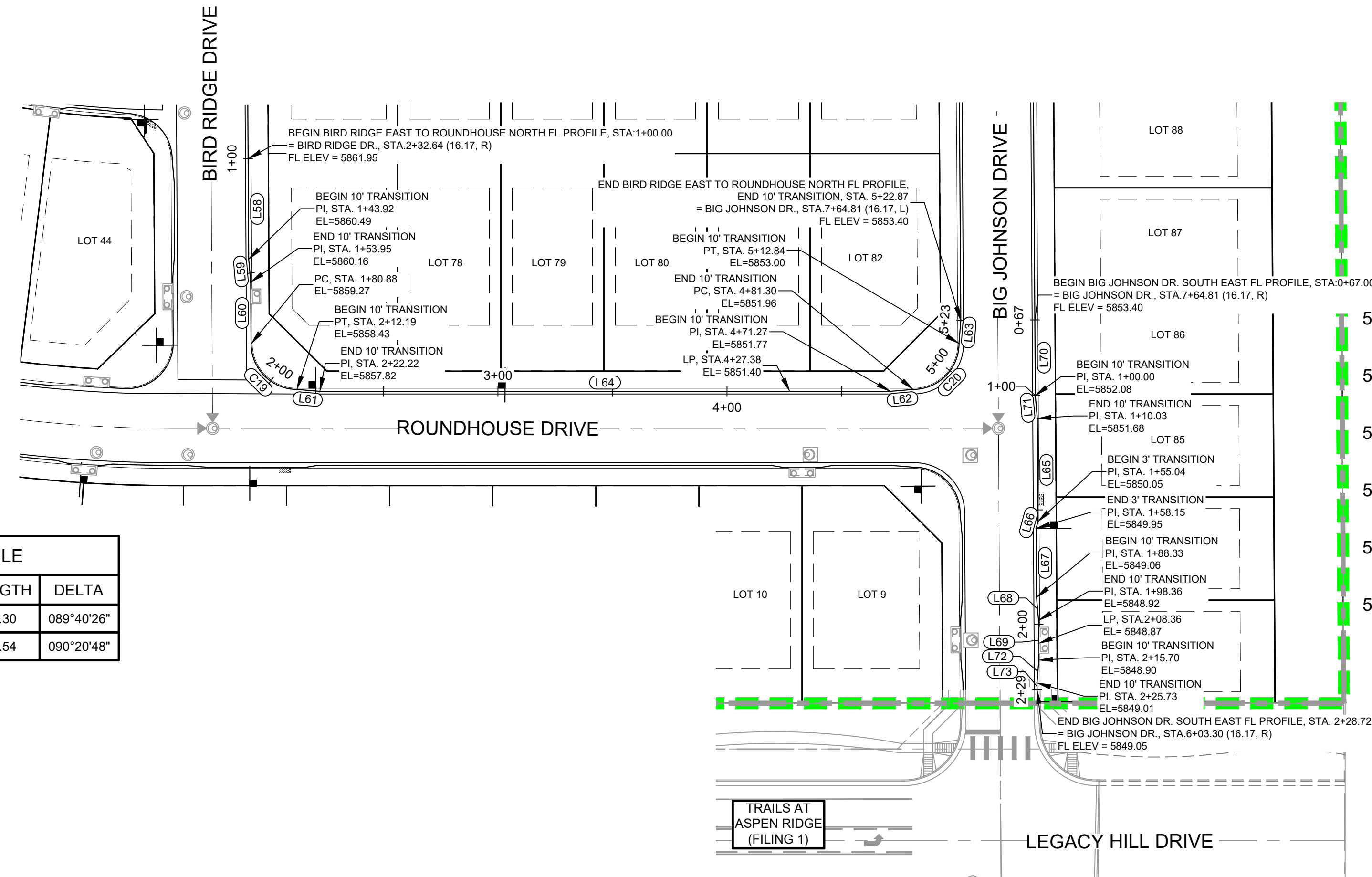
**FLOWLINE PLAN & PROFILE**

DESIGNED BY: NMS	SCALE: HORIZ 1" = 40'	DATE ISSUED: NOVEMBER, 2019	DRAWING No. RD13
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 16 OF 35	



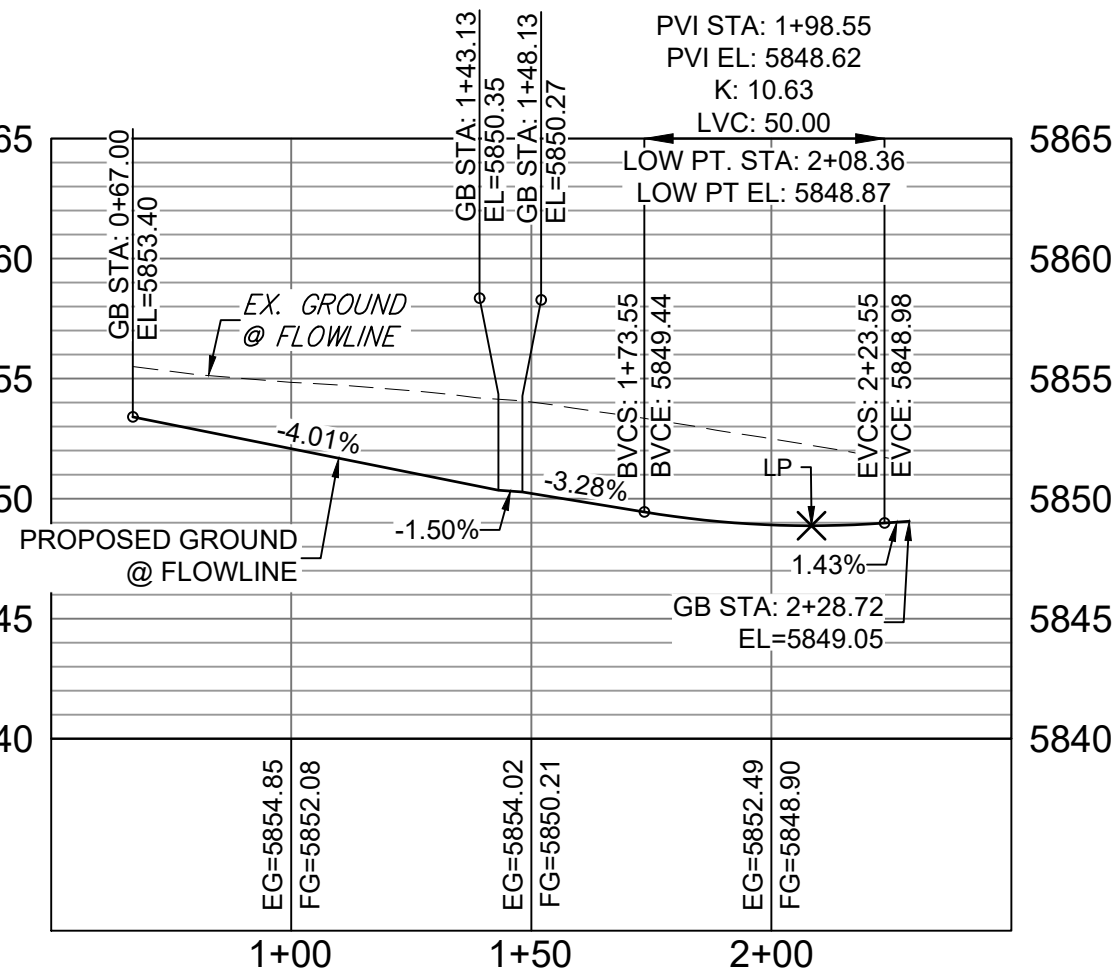


Know what's below.  
Call before you dig.

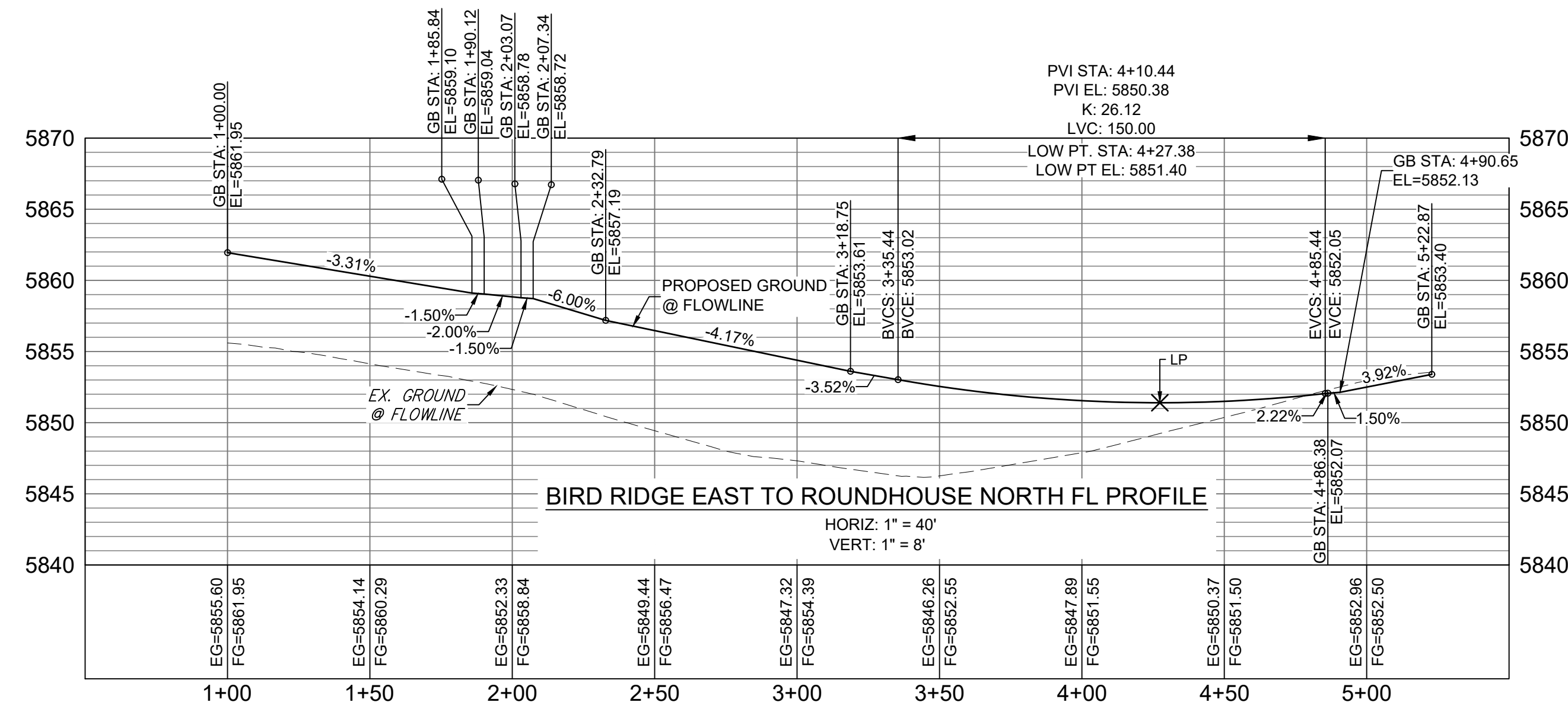


LINE TABLE		
LINE #	DIRECTION	LENGTH
L58	S0° 19' 34"E	43.92
L59	S5° 05' 23"E	10.03
L60	S0° 19' 34"E	26.93
L61	S85° 14' 11"E	10.03
L62	N85° 14' 11"E	10.03
L63	N4° 25' 01"E	10.03
L64	S90° 00' 00"E	249.05
L65	S0° 20' 48"E	45.00
L66	S15° 10' 37"W	3.11
L67	S0° 20' 48"E	30.18
L68	S5° 06' 36"E	10.03
L69	S0° 20' 48"E	17.33
L70	S0° 20' 48"E	33.00
L71	S5° 06' 36"E	10.03
L72	S4° 25' 01"W	10.03
L73	S0° 20' 48"E	2.99

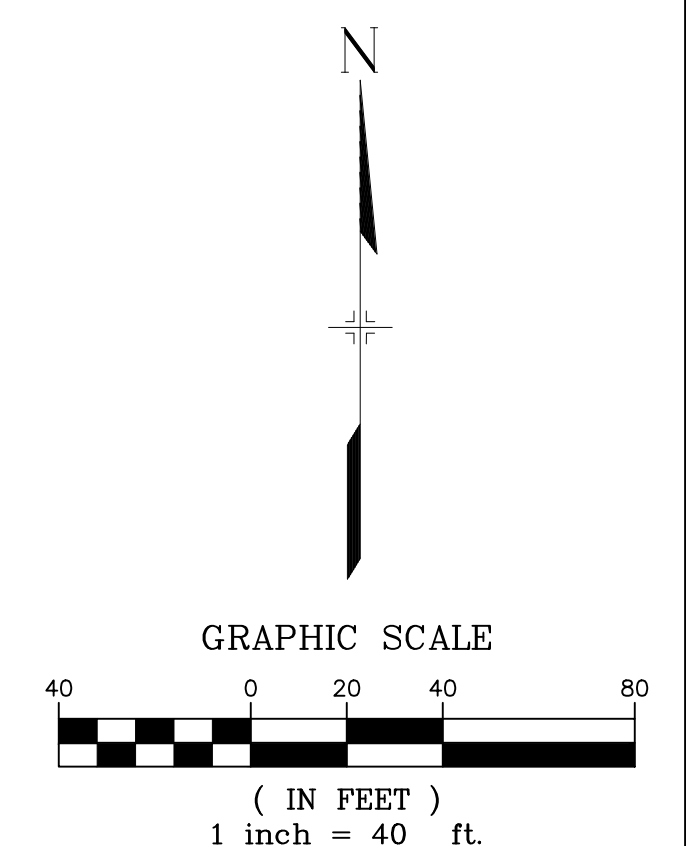
CURVE TABLE			
CURVE #	RADIUS	LENGTH	DELTA
C19	20.00	31.30	089°40'26"
C20	20.00	31.54	090°20'48"



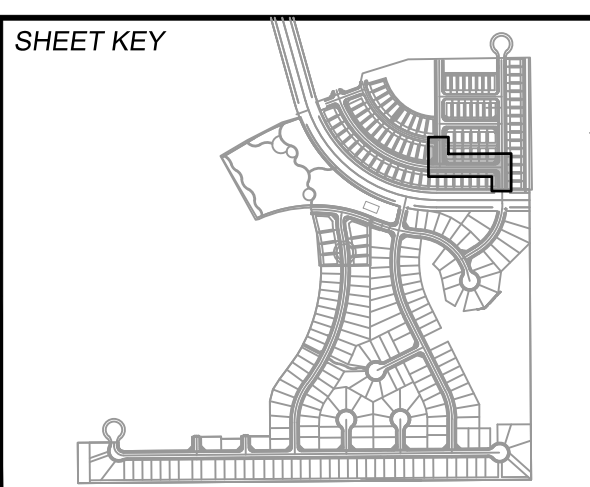
BIG JOHNSON SOUTH EAST FL PROFILE  
HORIZ: 1" = 40'  
VERT: 1" = 8'



BIRD RIDGE EAST TO ROUNDHOUSE NORTH FL PROFILE  
HORIZ: 1" = 40'  
VERT: 1" = 8'



REFERENCE DRAWINGS		COMPUTER FILE MANAGEMENT	
No.	DATE	DESCRIPTION	BY
X-886-PR SITE F1 X-886-PR STORM F1 19-886-PR UTIL 19-886-PR UTIL SANITARY X-886-PR SITE-FUTURE X-886-PR SITE-F2 886-PR Legacy Drive GEC Titleblock X-886-PR-UTIL-F2 X-886-PR SITE-FUTURE FILINGS			
FILE NAME: S:\19.886.014 (Trails at Aspen Ridge - F2)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD09 - FLOWLINES.dwg CTB FILE: COMM-TECH_D-SIZE_BW.ctb PLOT DATE: November 8, 2019 1:23:56 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)

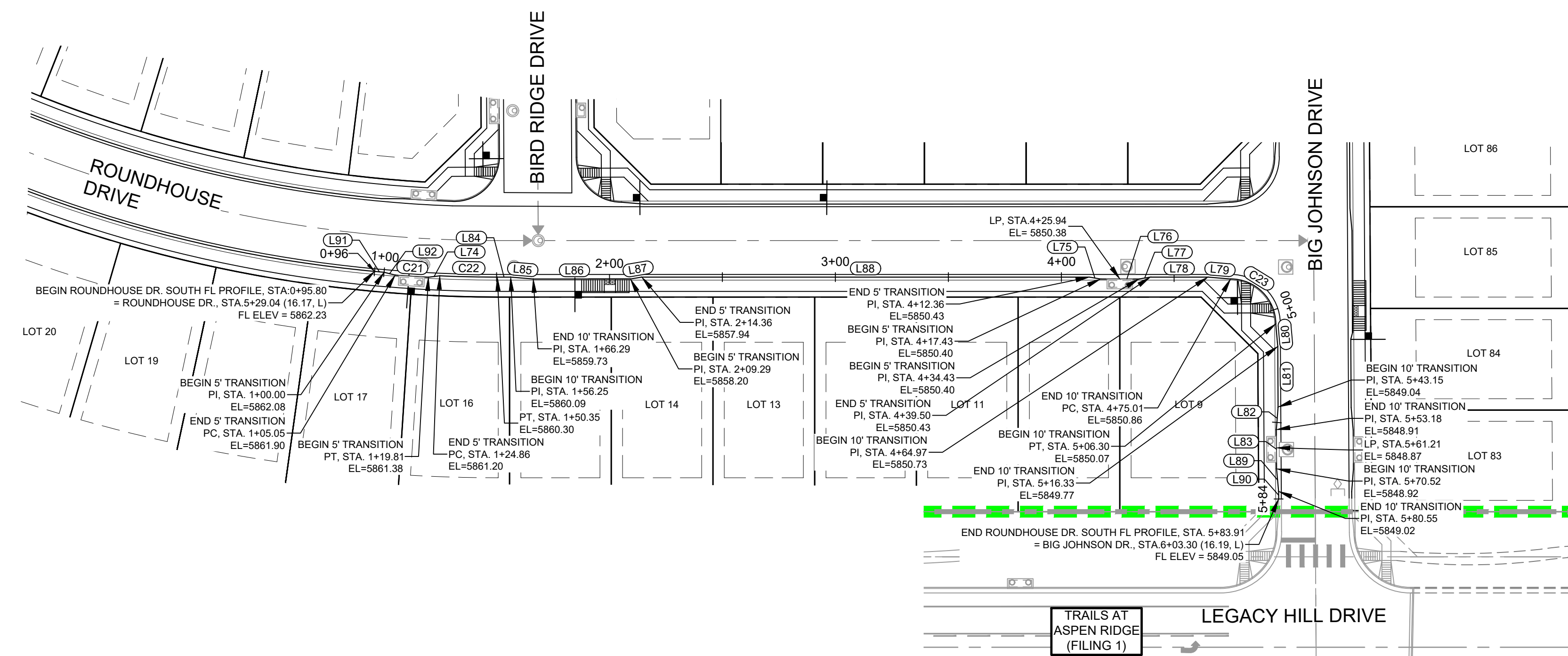
PREPARED BY:  
**Matrix**

SEAL  
**PRELIMINARY**  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

TRAILS AT ASPEN RIDGE			
FILING NO. 2			
ROADWAY & STORM IMPROVEMENT PLANS			
FLOWLINE PLAN & PROFILE			
DESIGNED BY: NMS	SCALE: HORIZ 1" = 40'	DATE ISSUED: NOVEMBER, 2019	DRAWING No. RD14
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 17 OF 35	

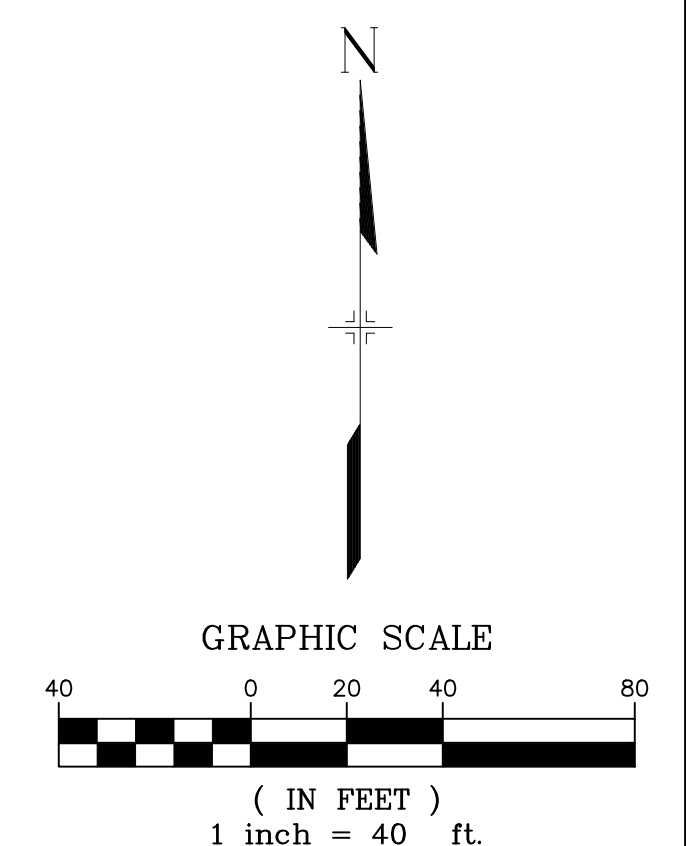
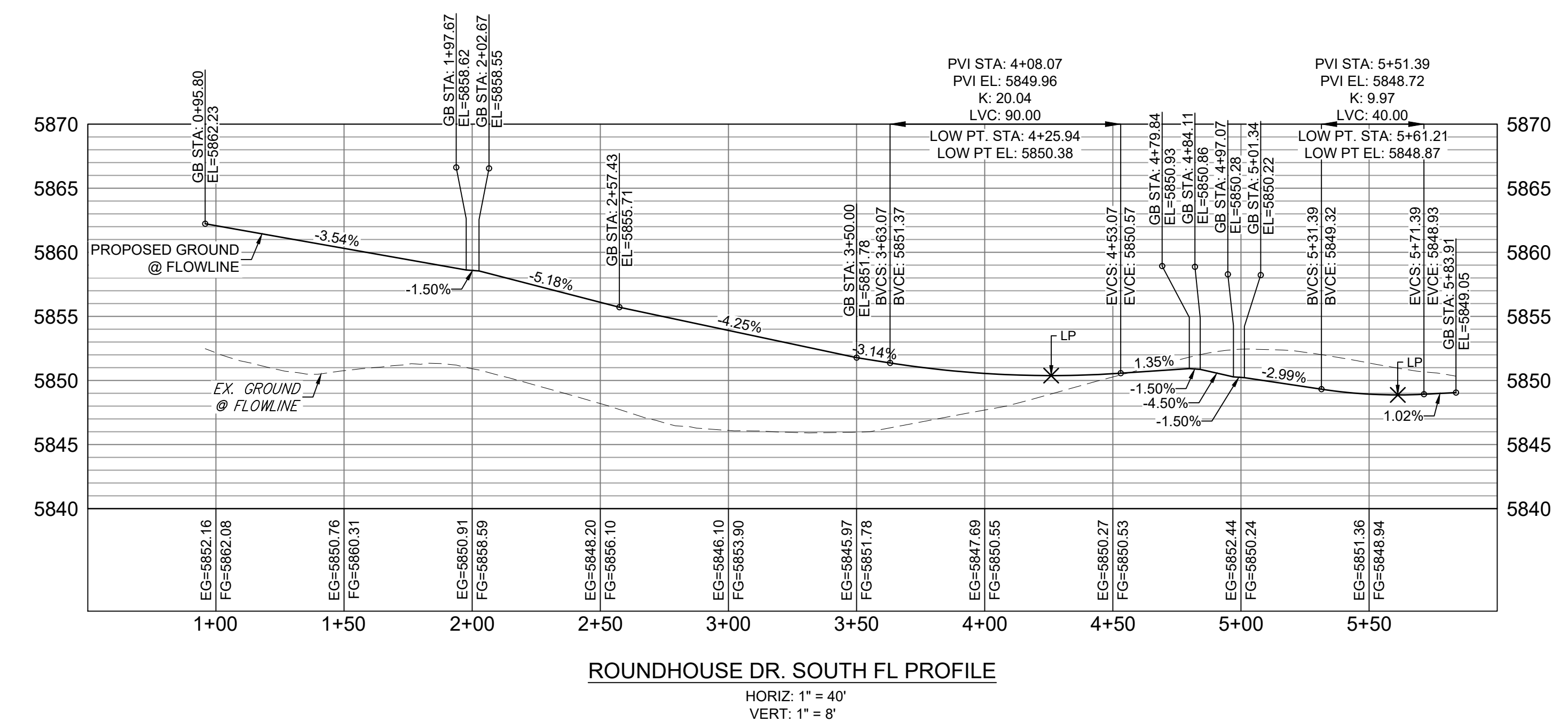


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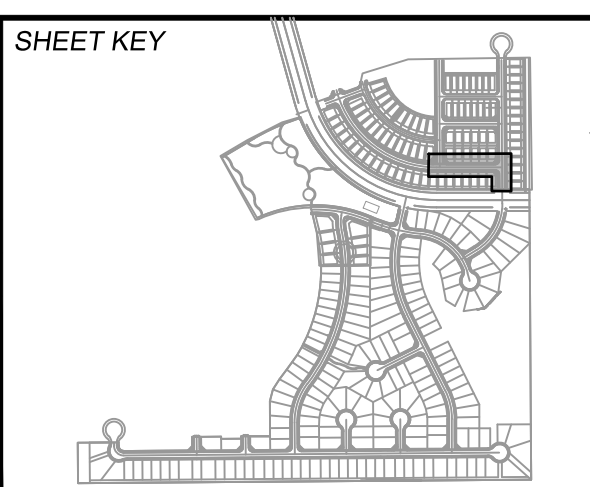


LINE TABLE		
LINE #	DIRECTION	LENGTH
L74	N83° 14' 37"E	5.05
L75	S80° 32' 16"E	5.07
L76	N90° 00' 00"E	17.00
L77	N80° 32' 16"E	5.07
L78	S90° 00' 00"E	25.47
L79	S85° 14' 11"E	10.03
L80	S5° 06' 37"E	10.03
L81	S0° 20' 48"E	26.81
L82	S4° 25' 01"W	10.03
L83	S0° 20' 48"E	17.33
L84	S90° 00' 00"E	5.91
L85	S85° 14' 11"E	10.03
L86	S90° 00' 00"E	43.00
L87	N80° 32' 16"E	5.07
L88	S90° 00' 00"E	198.00
L89	S5° 06' 37"E	10.03
L90	S0° 00' 00"E	3.35
L91	S84° 53' 23"E	4.20
L92	S75° 50' 51"E	5.05

CURVE TABLE			
CURVE #	RADIUS	LENGTH	DELTA
C21	587.00	14.75	001°26'24"
C22	586.17	25.49	002°29'28"
C23	20.00	31.29	089°39'12"



REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
X-886-PR SITE-F1 X-886-PR STORM-F1 19-886-PR-UTIL 19-886-PR-UTIL_SANITARY X-886-PR SITE-FUTURE X-886-PR SITE-F2 886-PR Legacy Drive GEC Titleblock X-886-PR-UTIL-F2 X-886-PR SITE-FUTURE FILING			
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.014 (Trails at Aspen Ridge - F2)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD09 - FLOWLINES.dwg CTB FILE: COMM-TECH_D-SIZE_BW.ctb PLOT DATE: November 8, 2019 1:24:05 PM THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



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

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

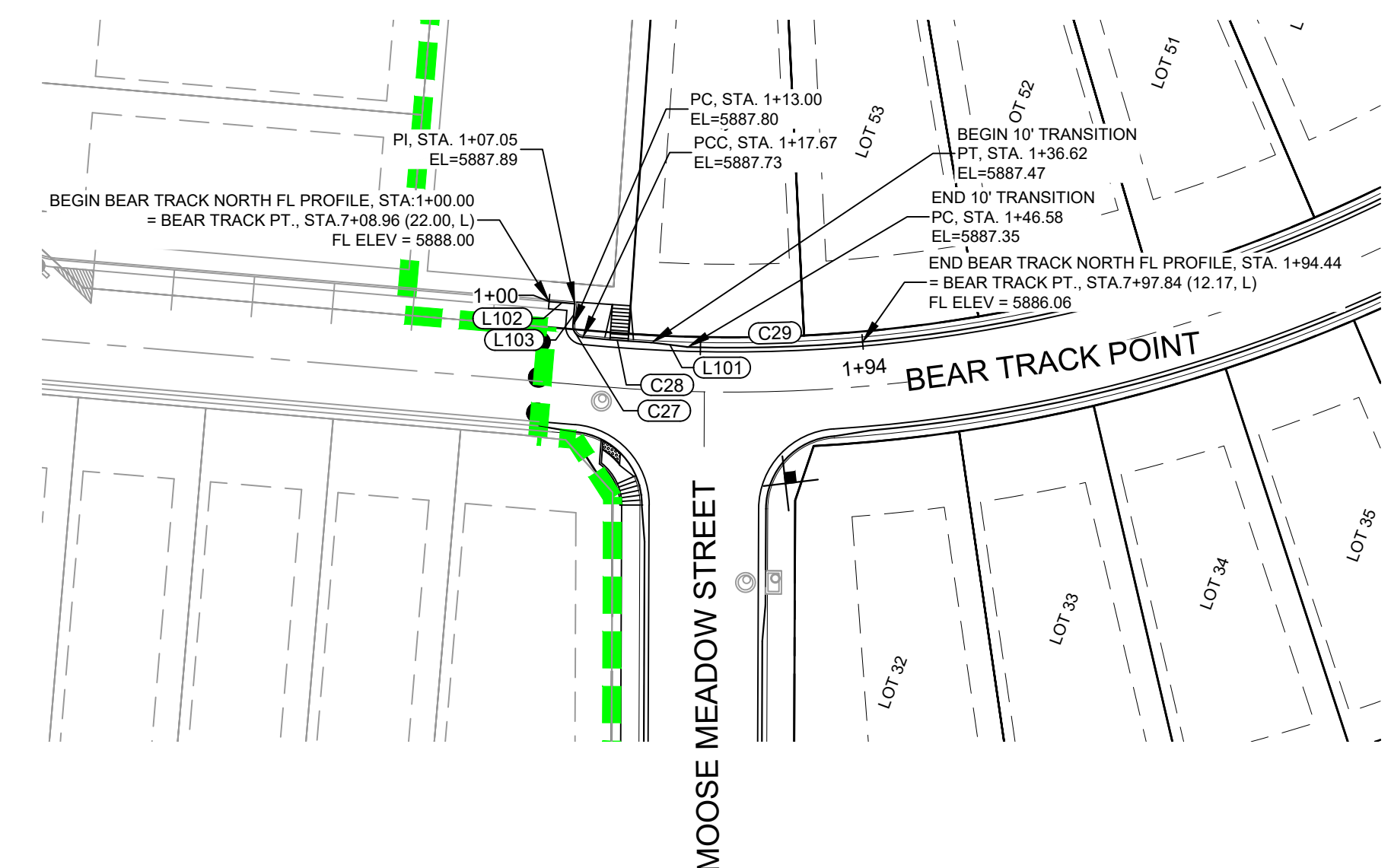
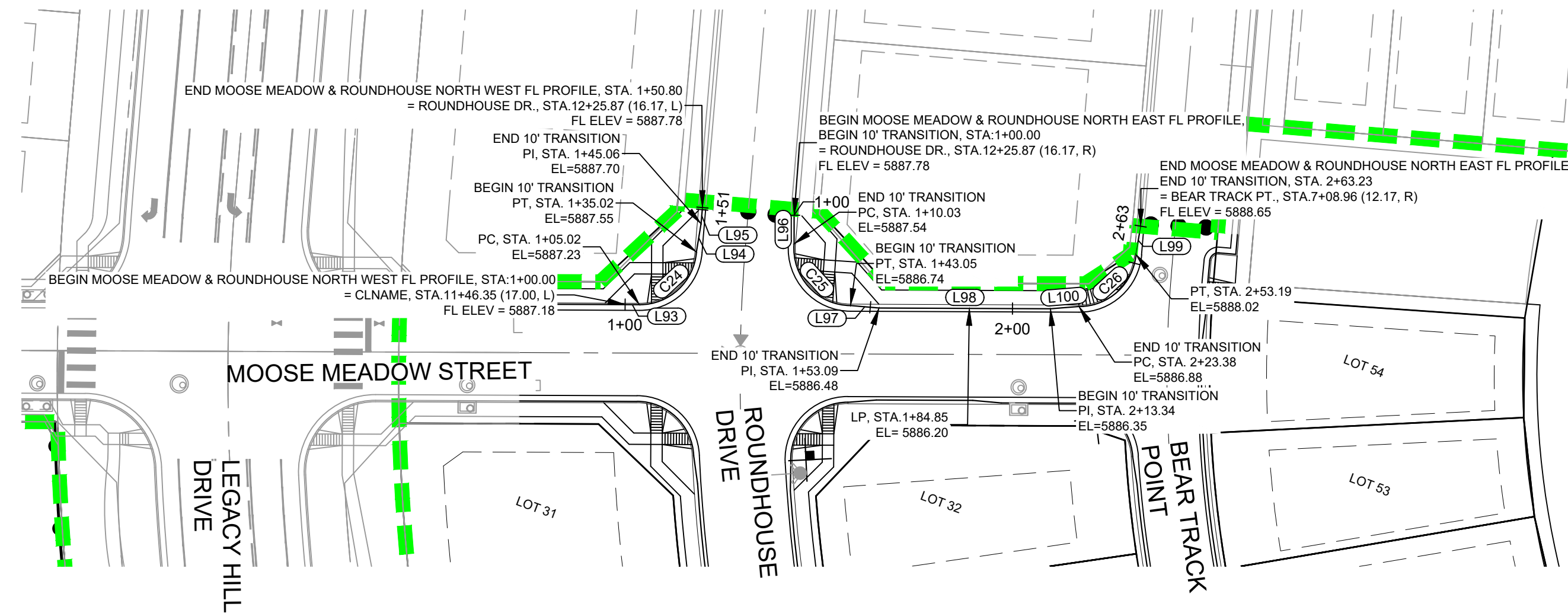
PREPARED BY:

SEAL  
**PRELIMINARY**  
 THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

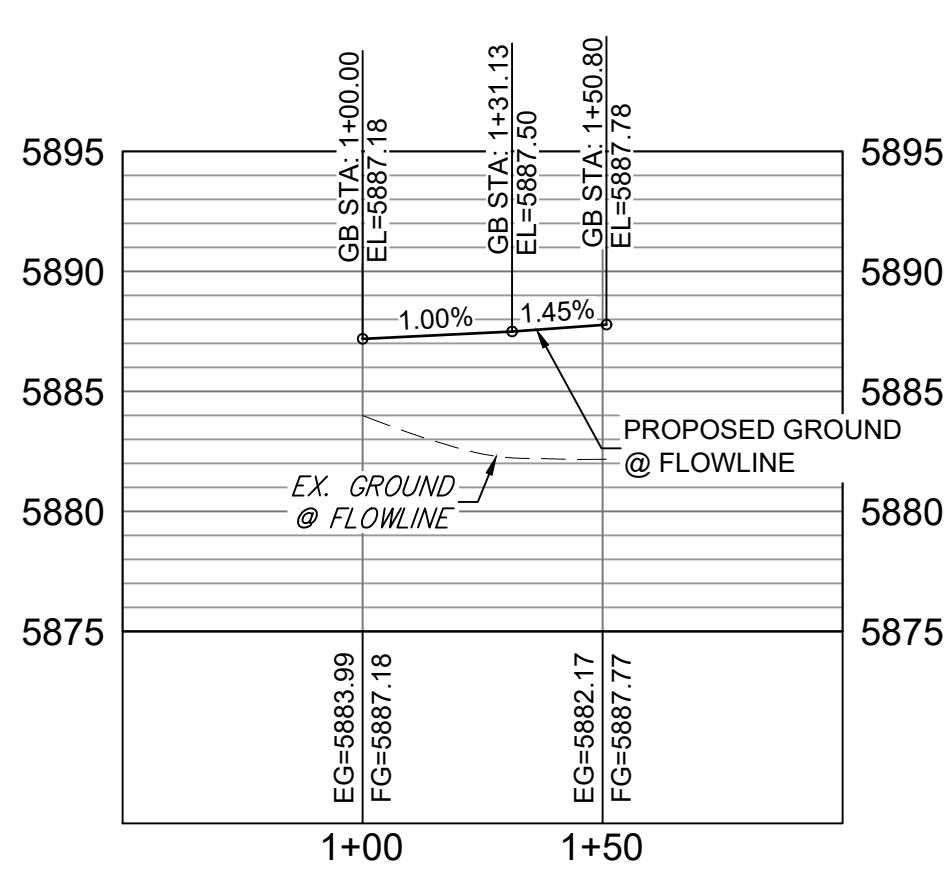
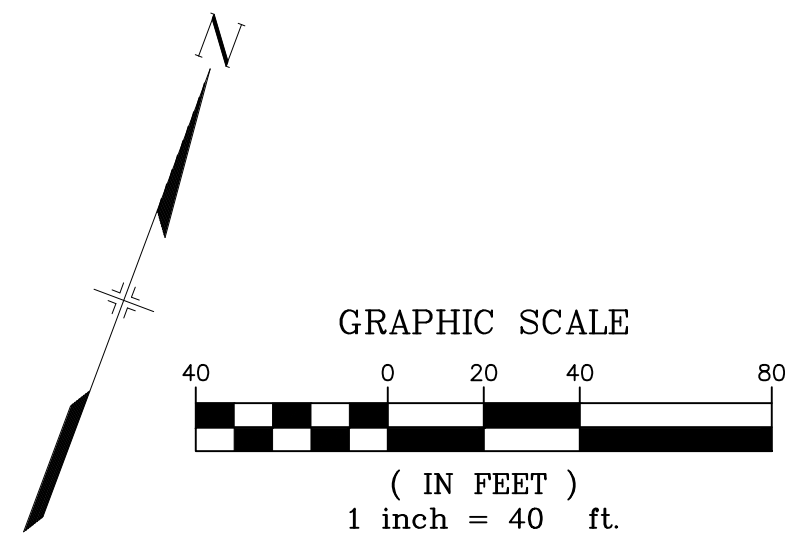
TRAILS AT ASPEN RIDGE			
FILING NO. 2			
ROADWAY & STORM IMPROVEMENT PLANS			
FLOWLINE PLAN & PROFILE			
DESIGNED BY: NMS	SCALE: HORIZ 1" = 40'	DATE ISSUED: NOVEMBER, 2019	DRAWING No. RD15
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 18 OF 35	



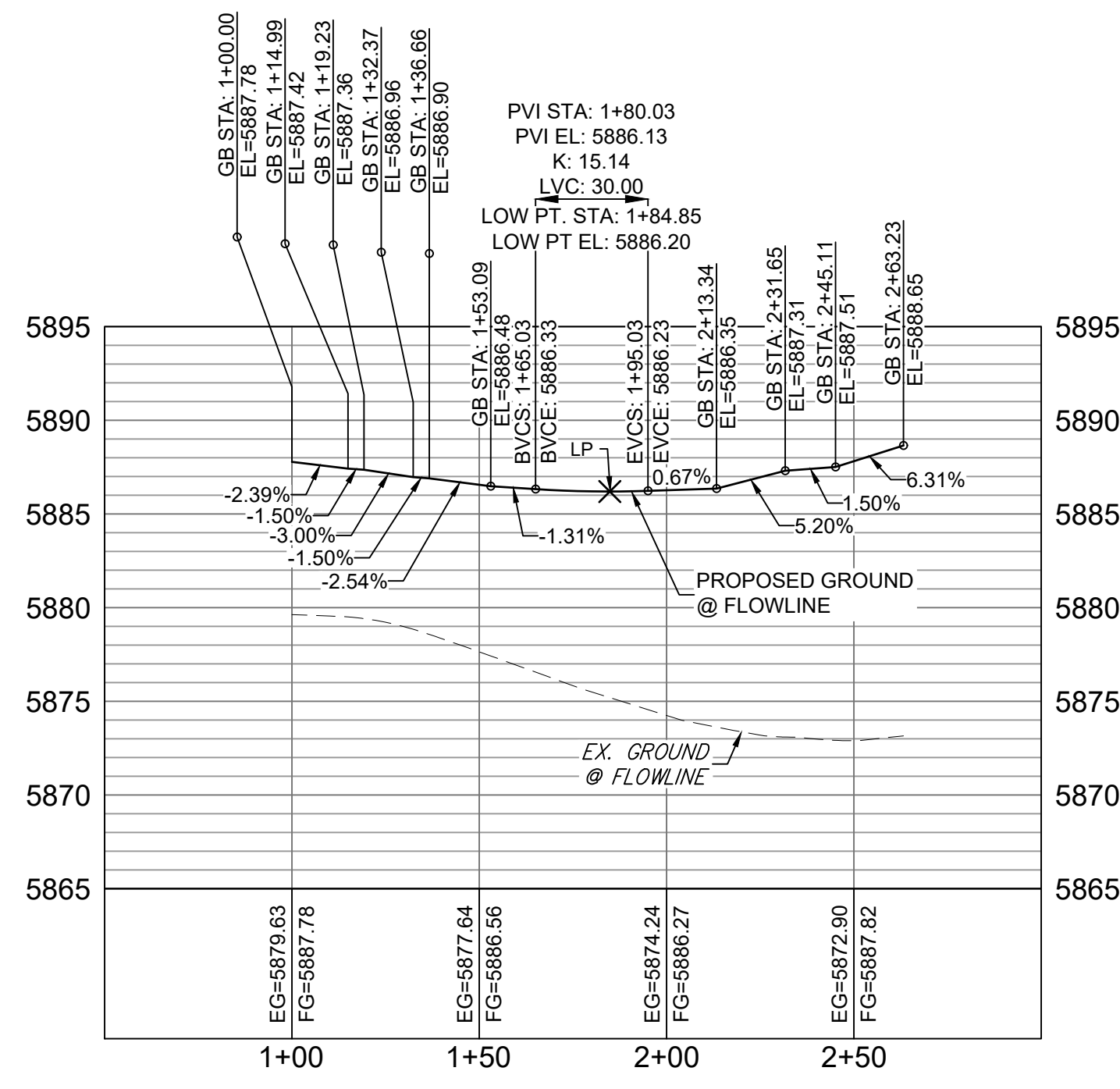
Know what's below.  
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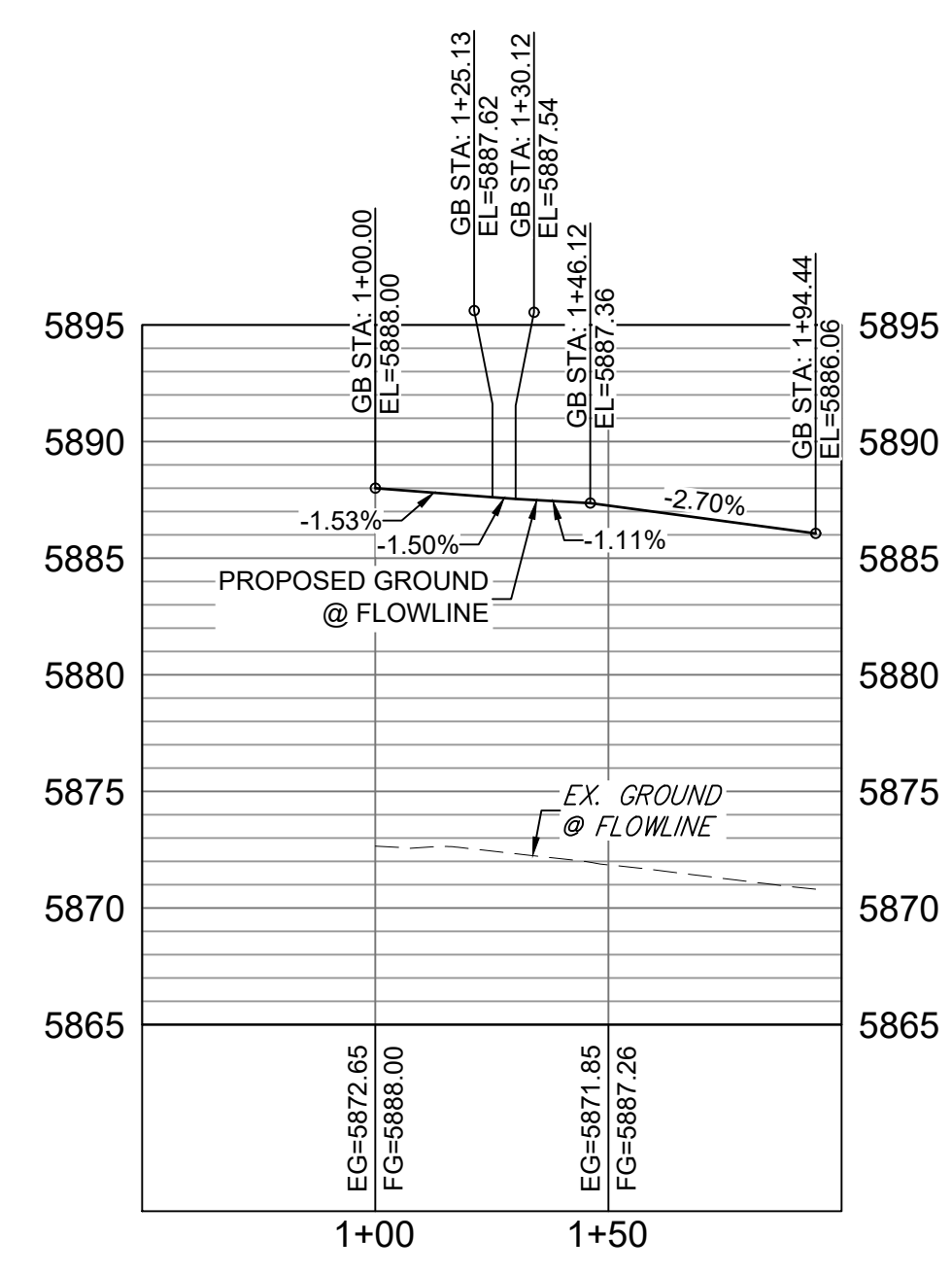
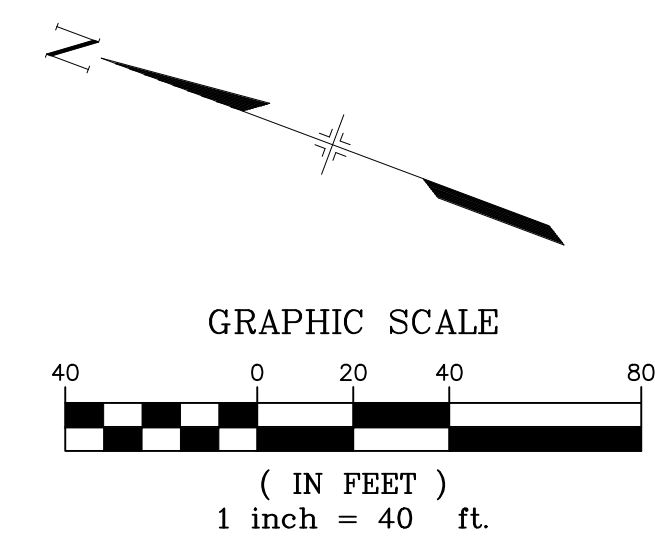
LINE TABLE		
LINE #	DIRECTION	LENGTH
L93	N69° 45' 39"E	5.02
L94	N11° 02' 56"W	10.04
L95	N15° 39' 12"W	5.73
L96	S20° 25' 01"E	10.03
L97	N74° 31' 29"E	10.03
L98	N69° 45' 39"E	60.26
L99	N10° 53' 23"W	10.03
L100	N64° 59' 49"E	10.03
L101	S13° 18' 28"E	9.96
L102	S15° 39' 12"E	7.05
L103	S74° 20' 48"W	5.95



**MOOSE MEADOW AND ROUNDHOUSE NORTH WEST FL PROFILE**  
HORIZ: 1" = 40'  
VERT: 1" = 8'



**MOOSE MEADOW AND ROUNDHOUSE NORTH EAST FL PROFILE**  
HORIZ: 1" = 40'  
VERT: 1" = 8'



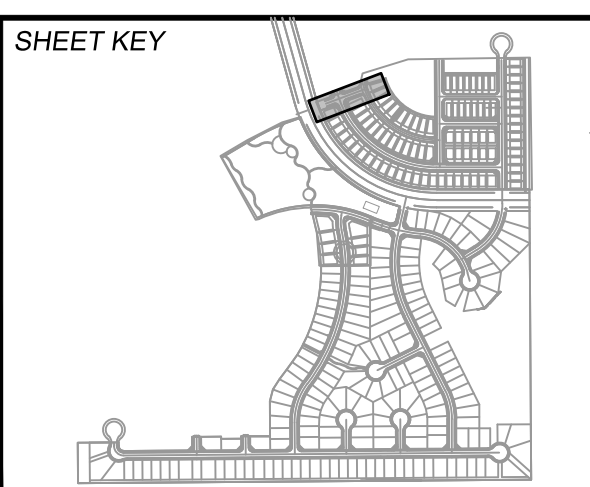
**BEAR TRACK NORTH FL PROFILE**  
HORIZ: 1" = 40'  
VERT: 1" = 8'

CURVE TABLE			
CURVE #	RADIUS	LENGTH	DELTA
C24	20.00	30.01	085°58'00"
C25	20.00	33.02	094°35'09"
C26	20.00	29.82	085°24'51"
C27	3.00	4.66	089°05'10"
C28	407.00	18.95	002°40'04"
C29	407.82	47.86	006°43'27"

REFERENCE DRAWINGS	
X-886-PR SITE_F1	
X-886-PR STORM_F1	
19-886-PR UTIL	
19-886-PR UTIL_SANITARY	
X-886-PR SITE-FUTURE	
X-886-PR SITE-F2	
688-PR Legacy Drive	
GEC Titleblock	
X-886-PR-UTIL-F2	
X-886-PR SITE-FUTURE FILING	

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.014 (Trails at Aspen Ridge - F2)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD09 - FLOWLINES.dwg			
CTB FILE: COMM-TECH_D-SIZE_BW.ctb			
PLOT DATE: November 8, 2019 1:24:17 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)



**PRELIMINARY**  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

**TRAILS AT ASPEN RIDGE**

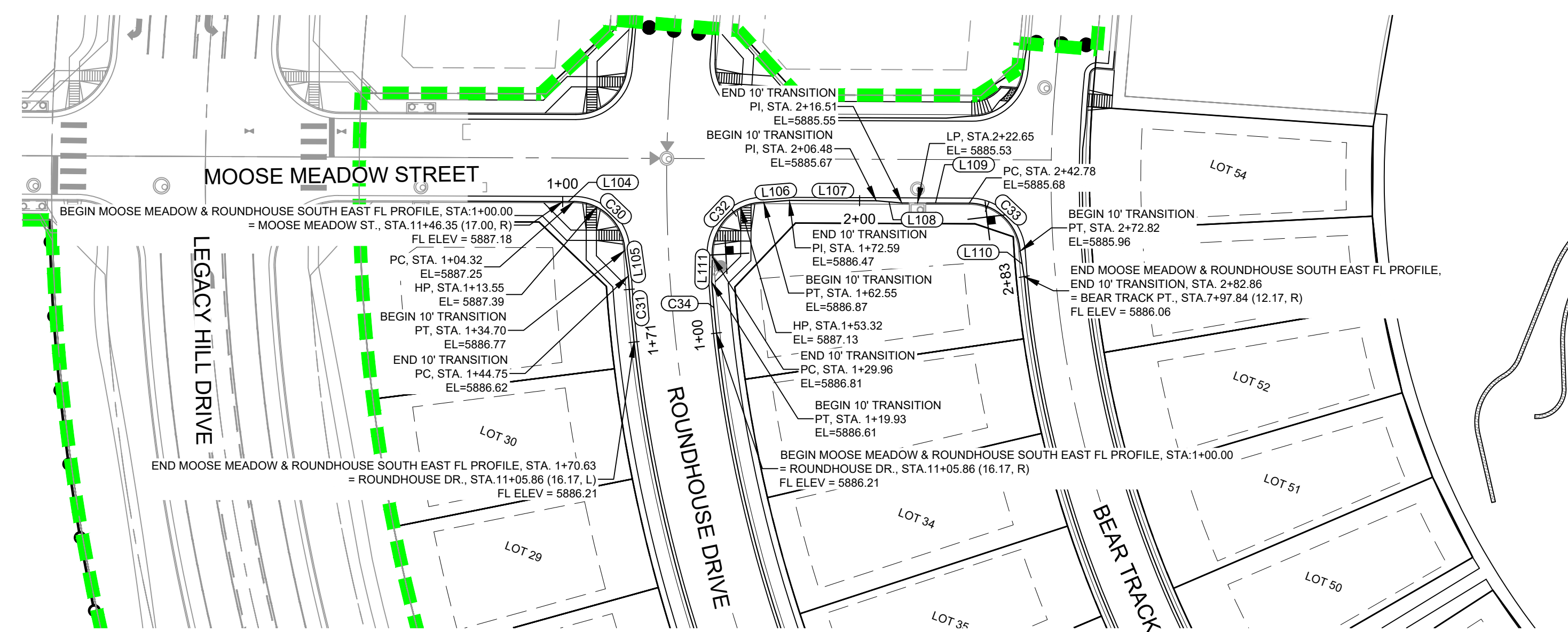
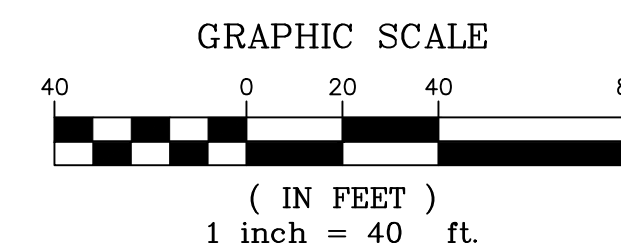
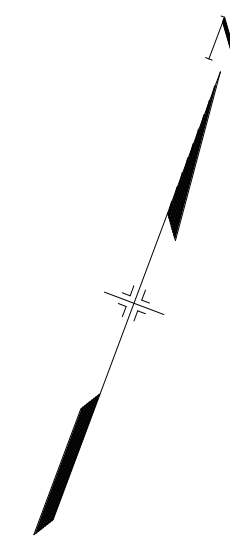
FILING NO. 2  
ROADWAY & STORM IMPROVEMENT PLANS

**FLOWLINE PLAN & PROFILE**

DESIGNED BY: NMS	SCALE: 1" = 40'	DATE ISSUED: NOVEMBER, 2019	DRAWING No. RD16
DRAWN BY: CRD	HORIZ: 1" = 40'		
CHECKED BY: NMS	VERT: 1" = 8'	SHEET 19 OF 35	

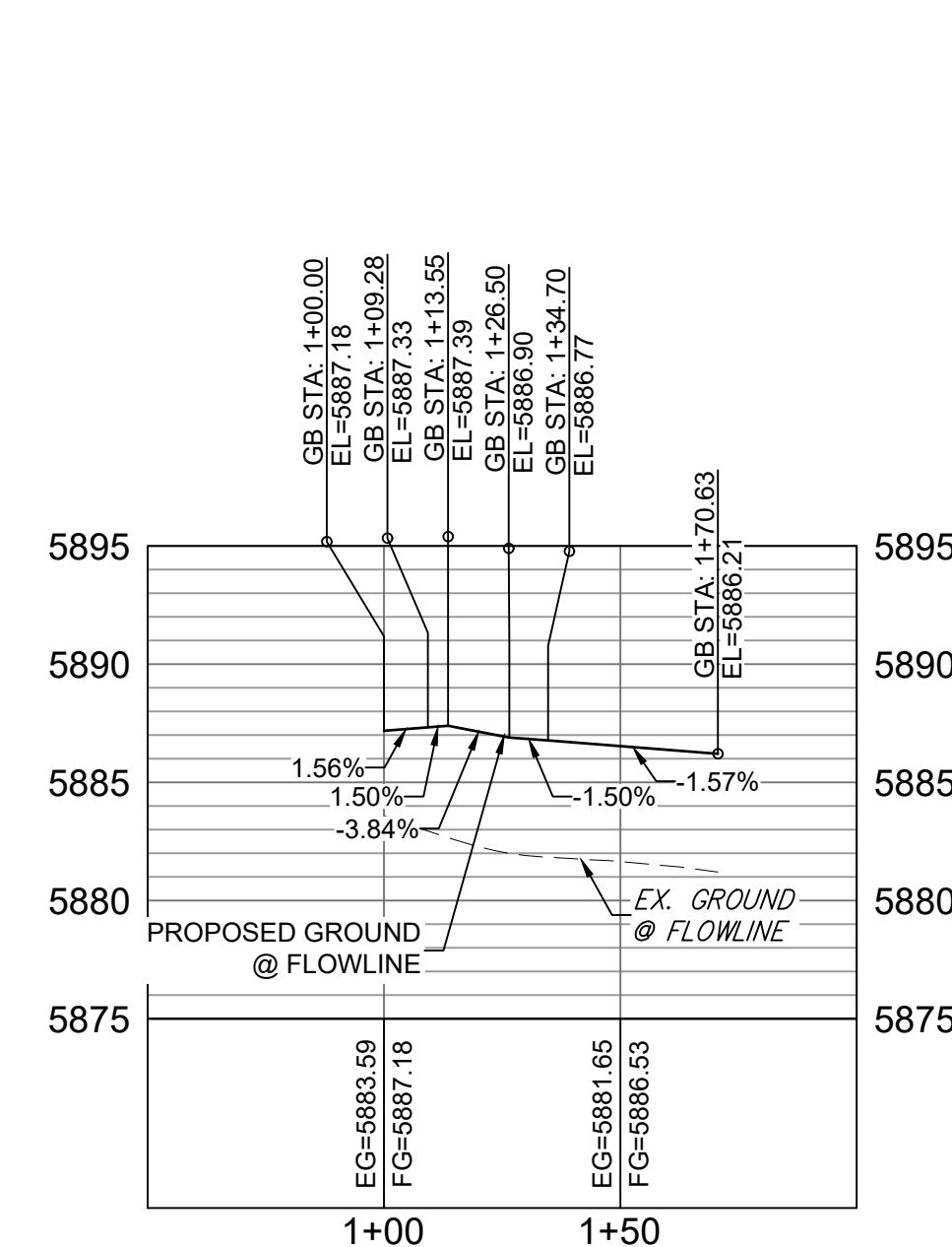


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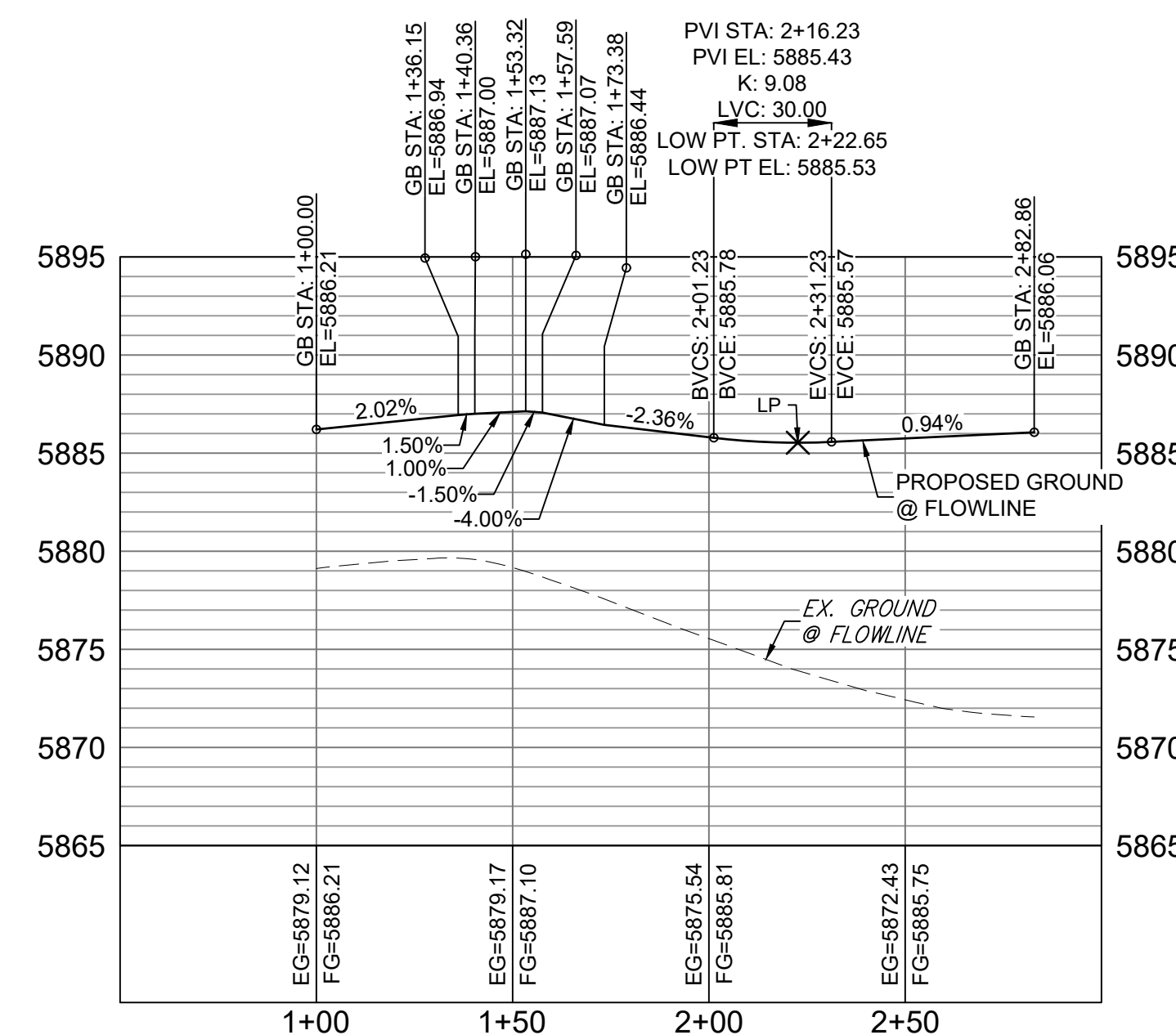
LINE TABLE		
LINE #	DIRECTION	LENGTH
L104	N69° 45' 39"E	4.32
L105	S28° 26' 39"E	10.04
L106	N64° 59' 50"E	10.03
L107	N69° 45' 39"E	33.89
L108	N74° 31' 29"E	10.03
L109	N69° 45' 39"E	26.27
L110	S29° 37' 24"E	10.04
L111	N19° 21' 25"W	10.03

CURVE TABLE			
CURVE #	RADIUS	LENGTH	DELTA
C30	20.00	30.38	087°02'37"
C31	586.17	25.89	002°31'49"
C32	20.00	32.59	093°22'02"
C33	20.00	30.03	086°02'14"
C34	553.83	19.93	002°03'44"



MOOSE MEADOW AND ROUNDHOUSE SOUTH EAST FL PROFILE

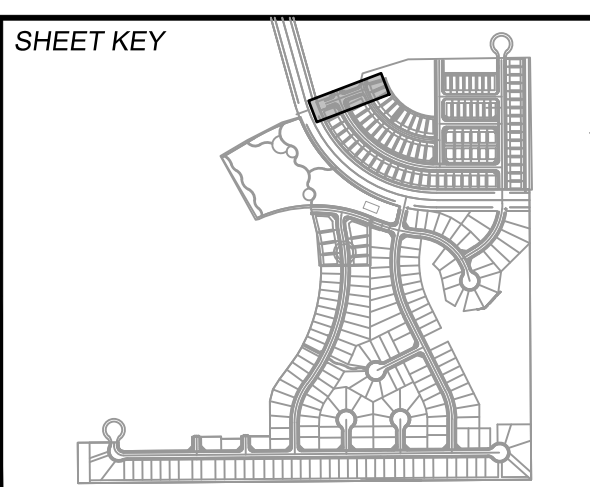
HORIZ: 1" = 40'  
VERT: 1" = 8'



MOOSE MEADOW AND ROUNDHOUSE SOUTH WEST FL PROFILE

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

REFERENCE DRAWINGS		COMPUTER FILE MANAGEMENT	
No.	DATE	DESCRIPTION	BY
		REVISIONS	
FILE NAME: S:\19.886.014 (Trails at Aspen Ridge - F2)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD09 - FLOWLINES.dwg CTB FILE: COMM-TECH_D-SIZE_BW.ctb PLOT DATE: November 8, 2019 1:24:24 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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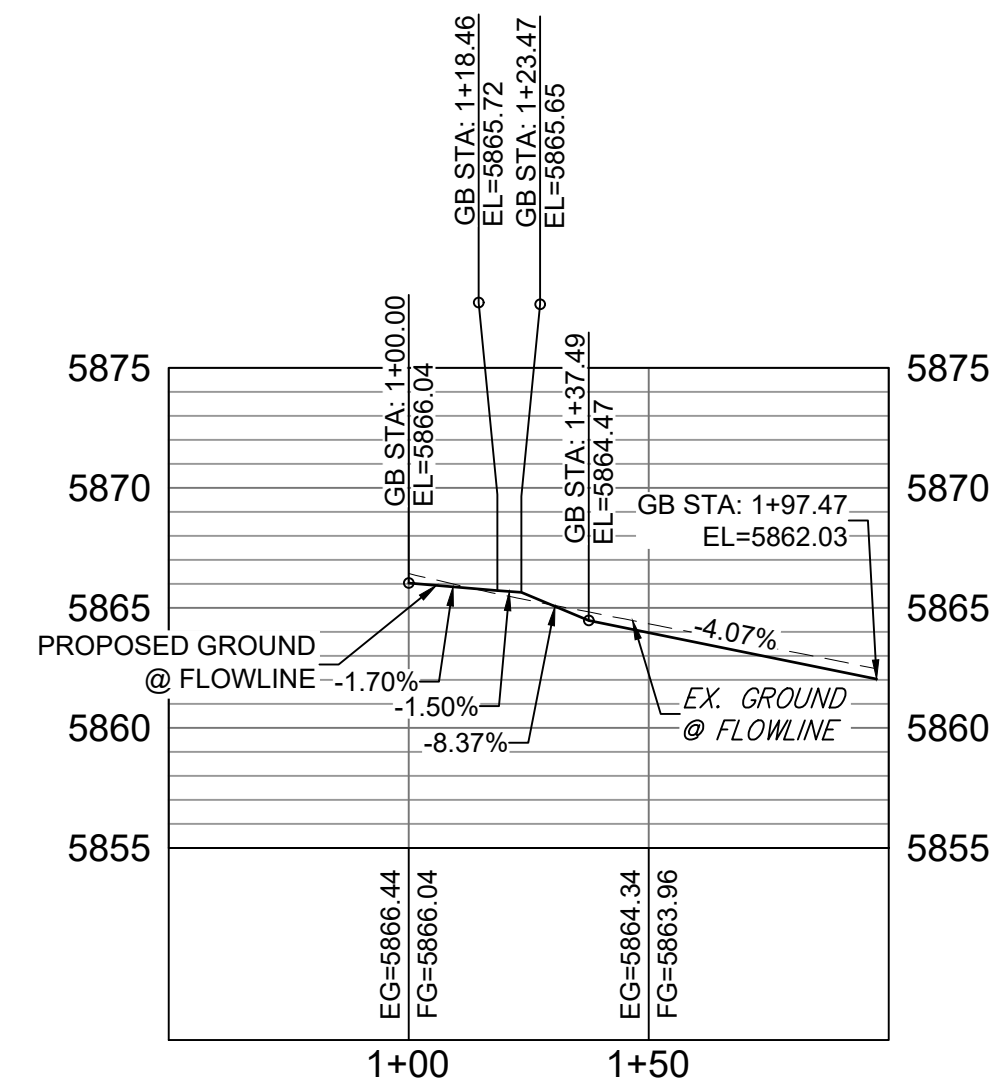


SEAL  
**PRELIMINARY**  
 THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

TRAILS AT ASPEN RIDGE			
FILING NO. 2			
ROADWAY & STORM IMPROVEMENT PLANS			
FLOWLINE PLAN & PROFILE			
DESIGNED BY: NMS	SCALE: HORIZ 1" = 40'	DATE ISSUED: NOVEMBER, 2019	DRAWING No. RD17
DRAWN BY: CRD	VERT. 1" = 8'	SHEET 20 OF 35	
CHECKED BY: NMS			



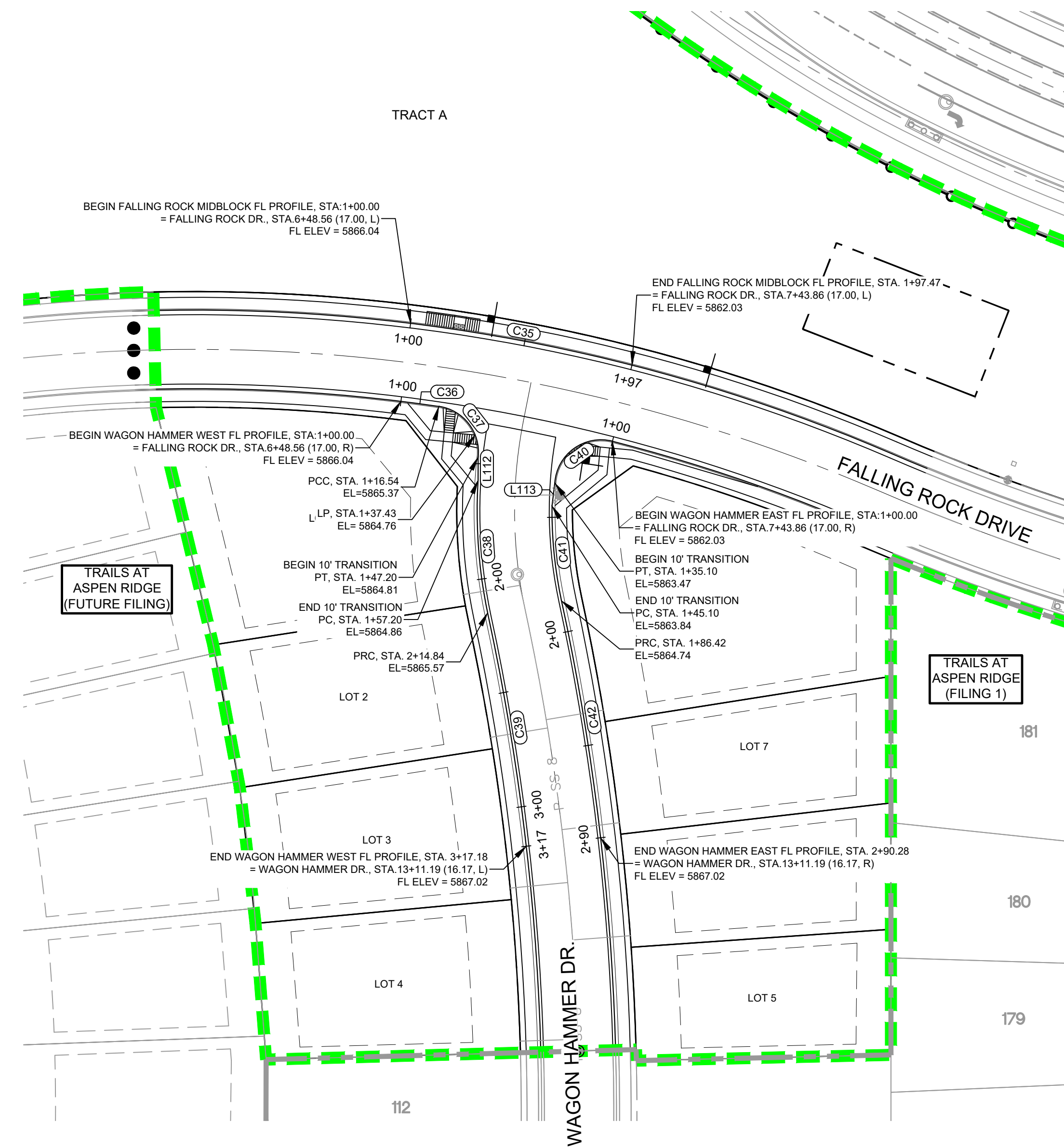
Know what's below.  
Call before you dig.



FALLING ROCK MIDBLOCK FL PROFILE

HORIZ: 1" = 40'

VERT: 1" = 8'

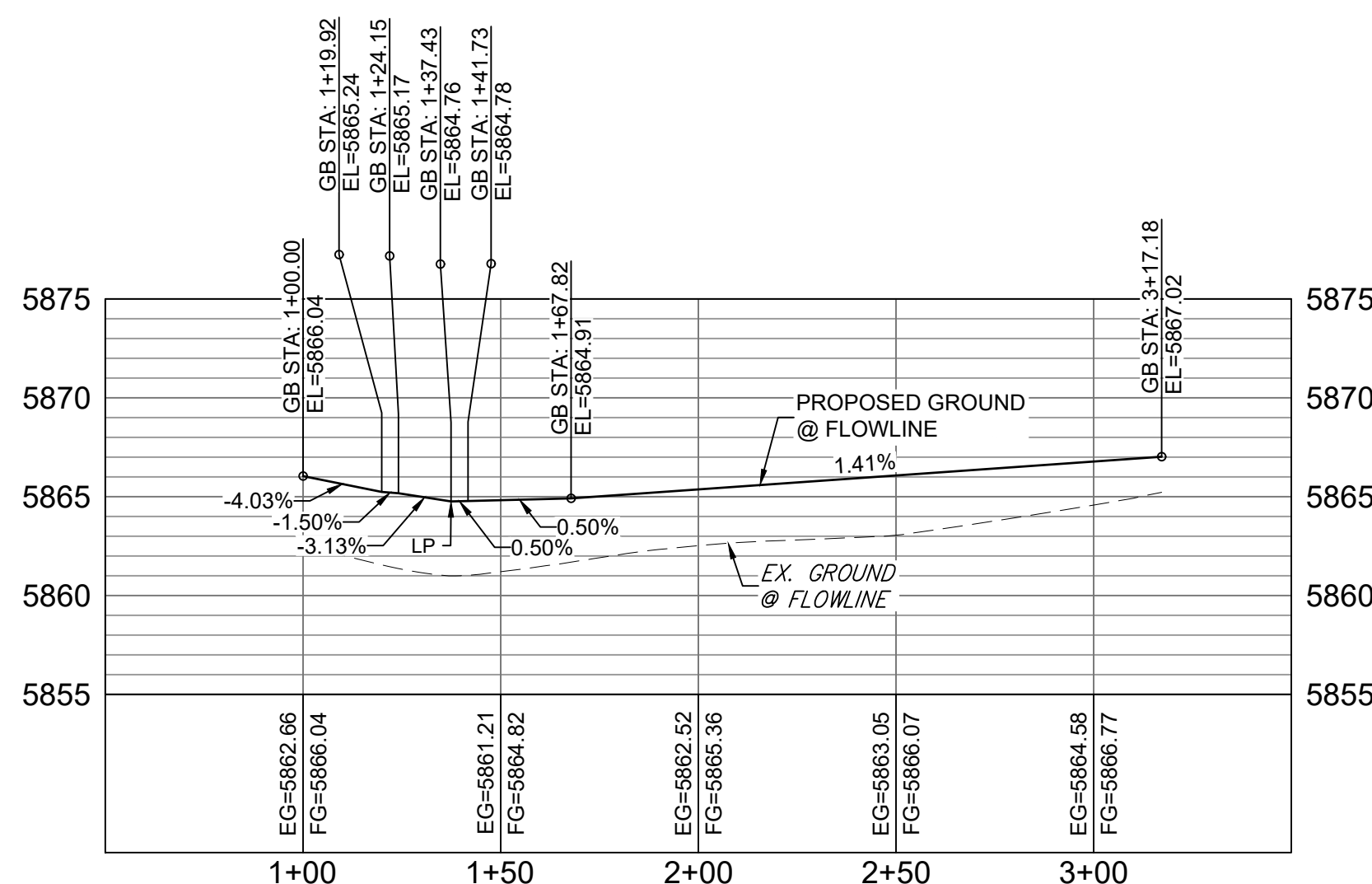


**LINE TABLE**

LINE #	DIRECTION	LENGTH
L112	S0° 05' 38"W	10.00
L113	S7° 00' 50"W	10.00

**CURVE TABLE**

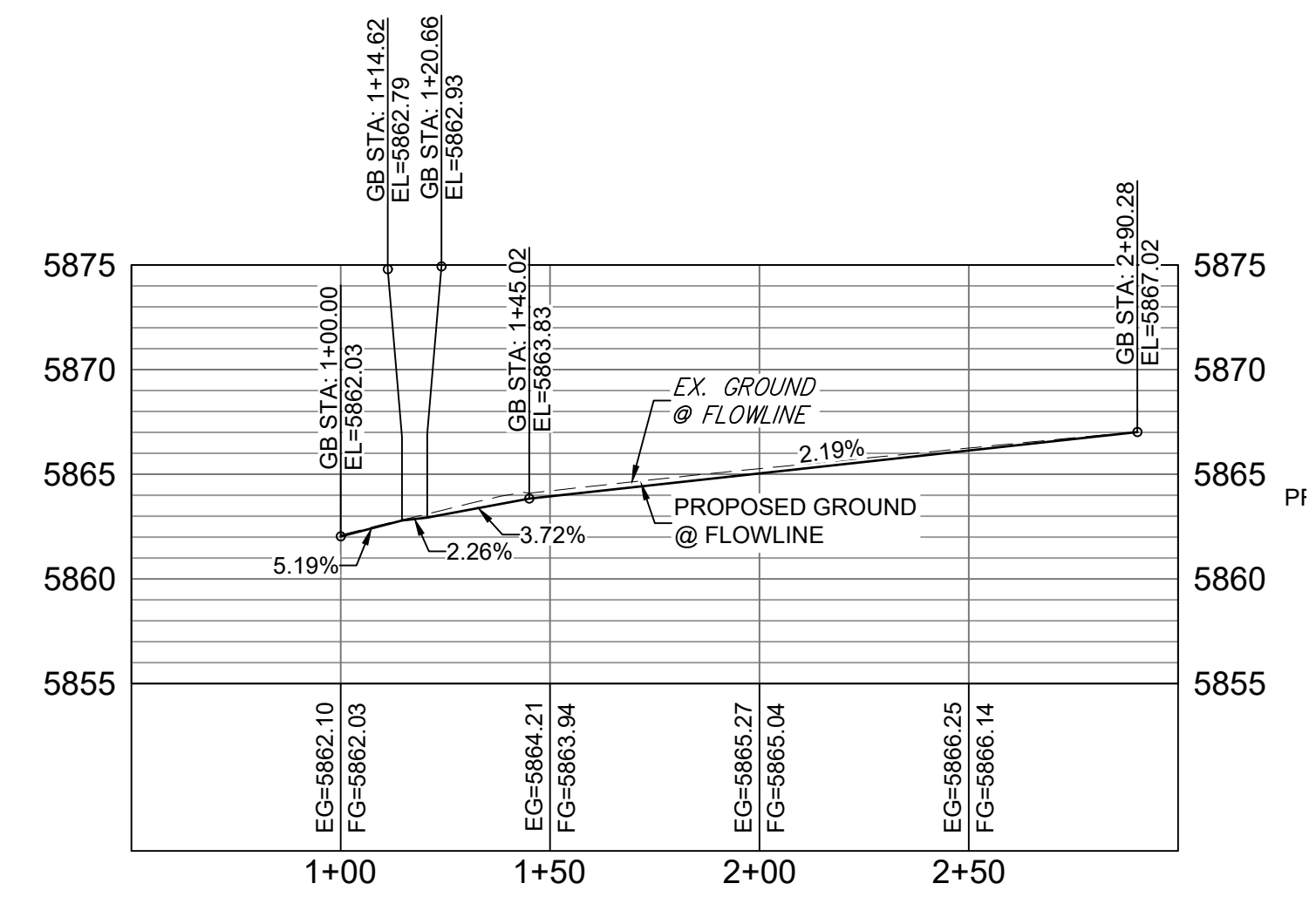
CURVE #	RADIUS	LENGTH	DELTA
C35	761.07	97.47	007°20'17"
C36	728.00	16.54	001°18'07"
C37	20.00	30.66	087°50'21"
C38	215.98	57.63	015°17'19"
C39	1029.30	102.34	005°41'49"
C40	20.00	35.10	100°32'55"
C41	183.83	41.32	012°52'45"
C42	1056.17	103.86	005°38'03"



WAGON HAMMER WEST FL PROFILE

HORIZ: 1" = 40'

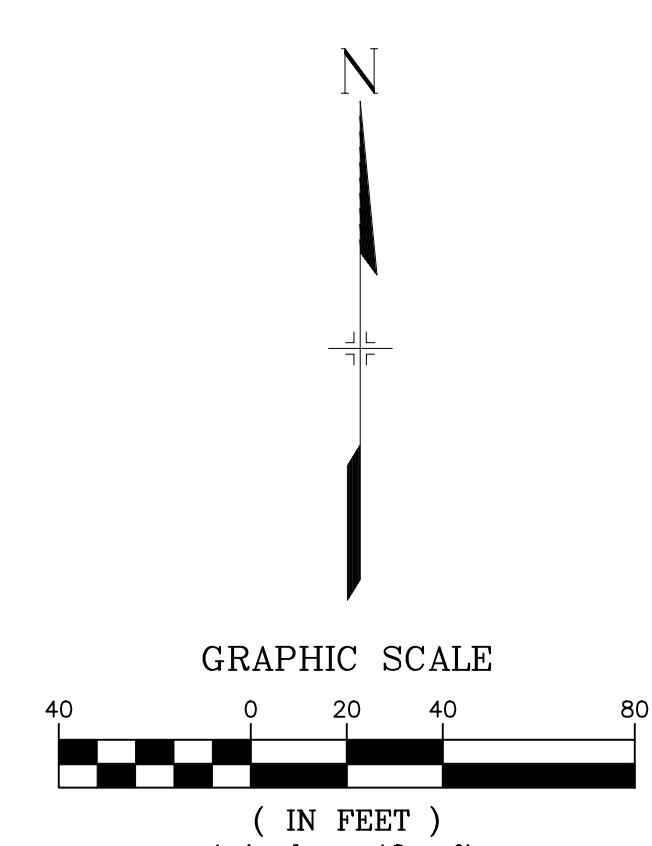
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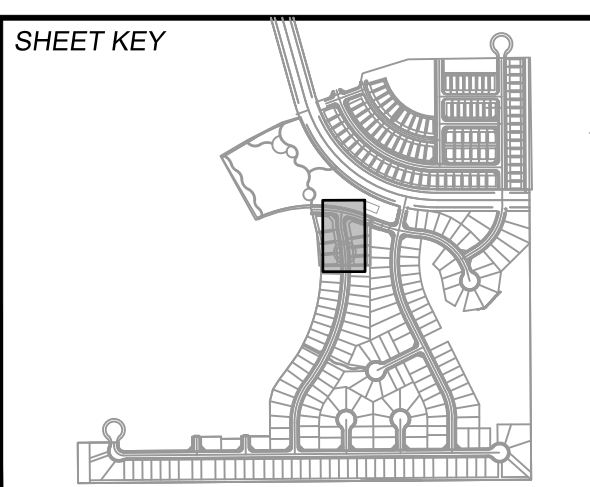
WAGON HAMMER EAST FL PROFILE

HORIZ: 1" = 40'

VERT: 1" = 8'



No.	DATE	DESCRIPTION	BY
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CTB FILE: COMM-TECH_D-SIZE_BW.ctb			
PLOT DATE: November 8, 2019 1:24:36 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 1/2" AULM. CAP PLS 10377)

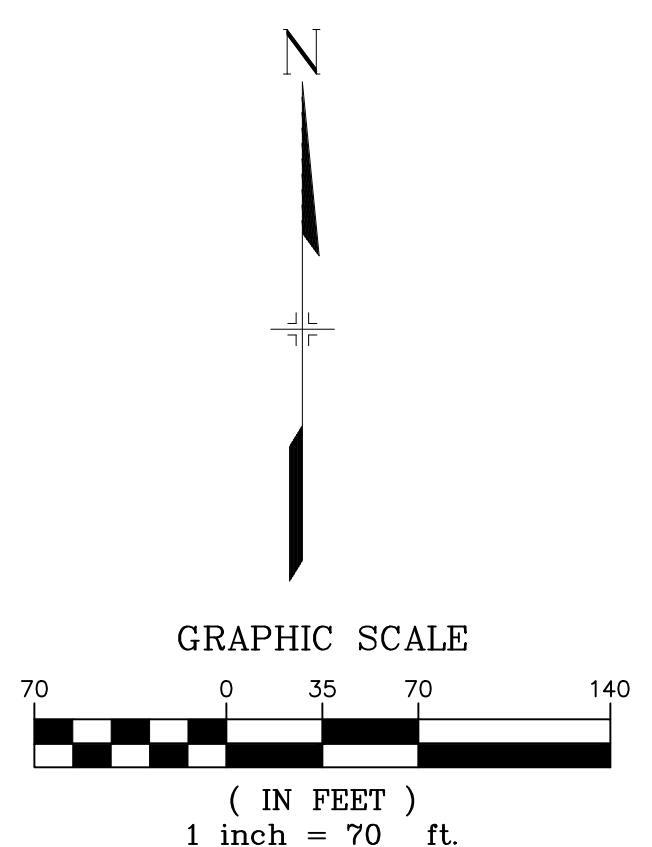
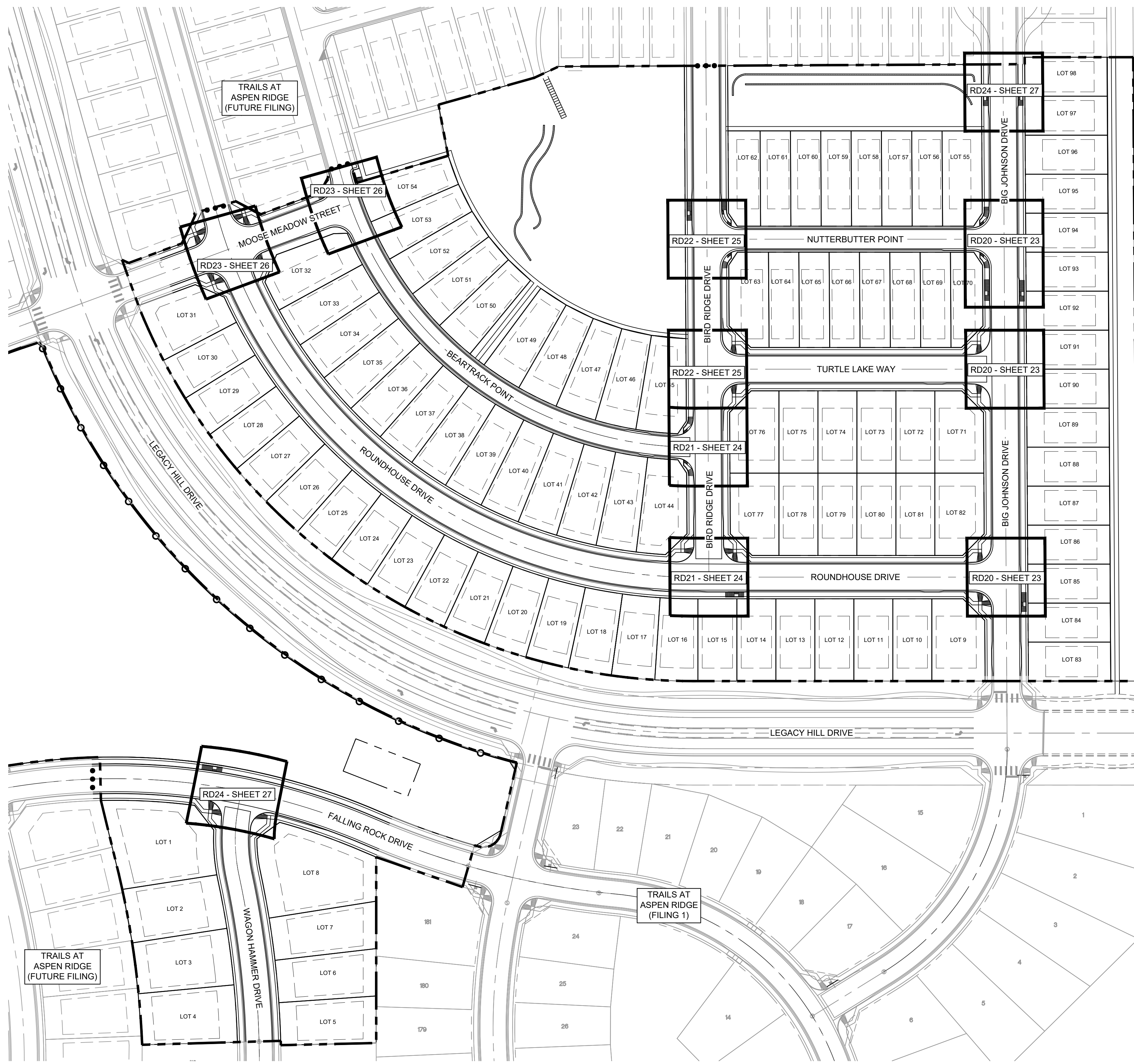


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<b>TRAILS AT ASPEN RIDGE</b>			
FILING NO. 2			
ROADWAY & STORM IMPROVEMENT PLANS			
FLOWLINE PLAN & PROFILE			
DESIGNED BY: NMS	SCALE: 1" = 40'	DATE ISSUED: NOVEMBER, 2019	DRAWING No. RD18
DRAWN BY: CRD	HORIZ: 1" = 40'	SHEET 21 OF 35	
CHECKED BY: NMS	VERT: 1" = 8'		



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REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
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COMPUTER FILE MANAGEMENT			
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**BENCHMARK**  
 COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
 A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
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PREPARED BY:

SEAL

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**TRAILS AT ASPEN RIDGE**

FILING NO. 2  
 ROADWAY & STORM IMPROVEMENT PLANS

KEY MAP  
 INTERSECTION DETAILS KEY MAP

DESIGNED BY: NMS	SCALE: HORIZ 1" = 70'	DATE ISSUED: NOVEMBER, 2019	DRAWING No. RD19
DRAWN BY: CRD	VERT. N/A	SHEET 22 OF 35	
CHECKED BY: NMS			

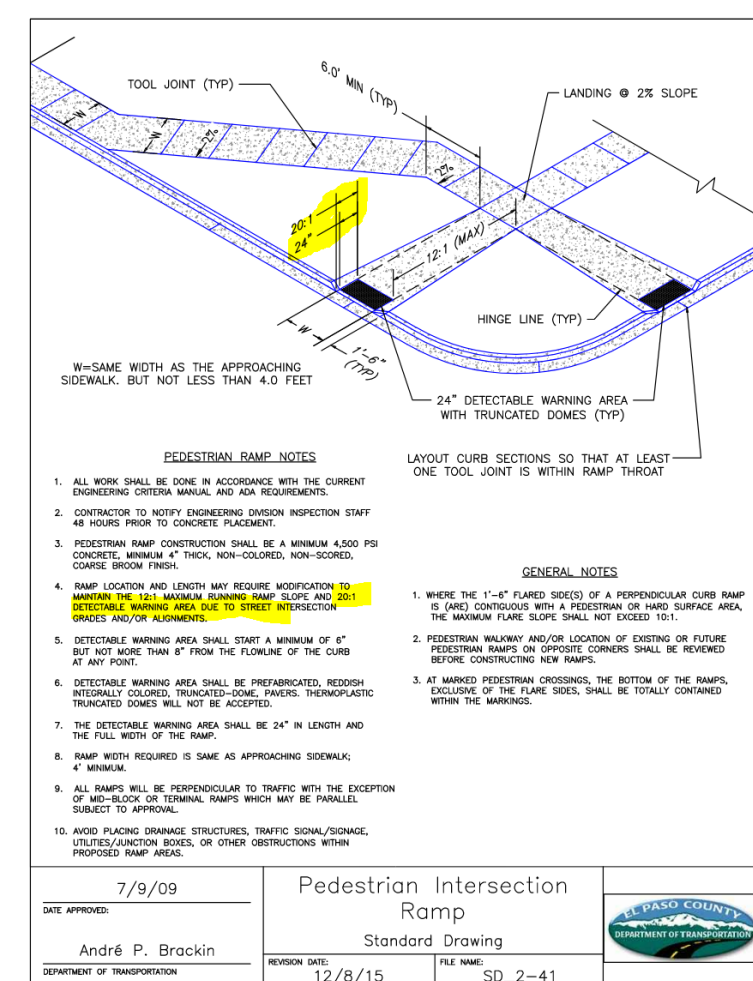
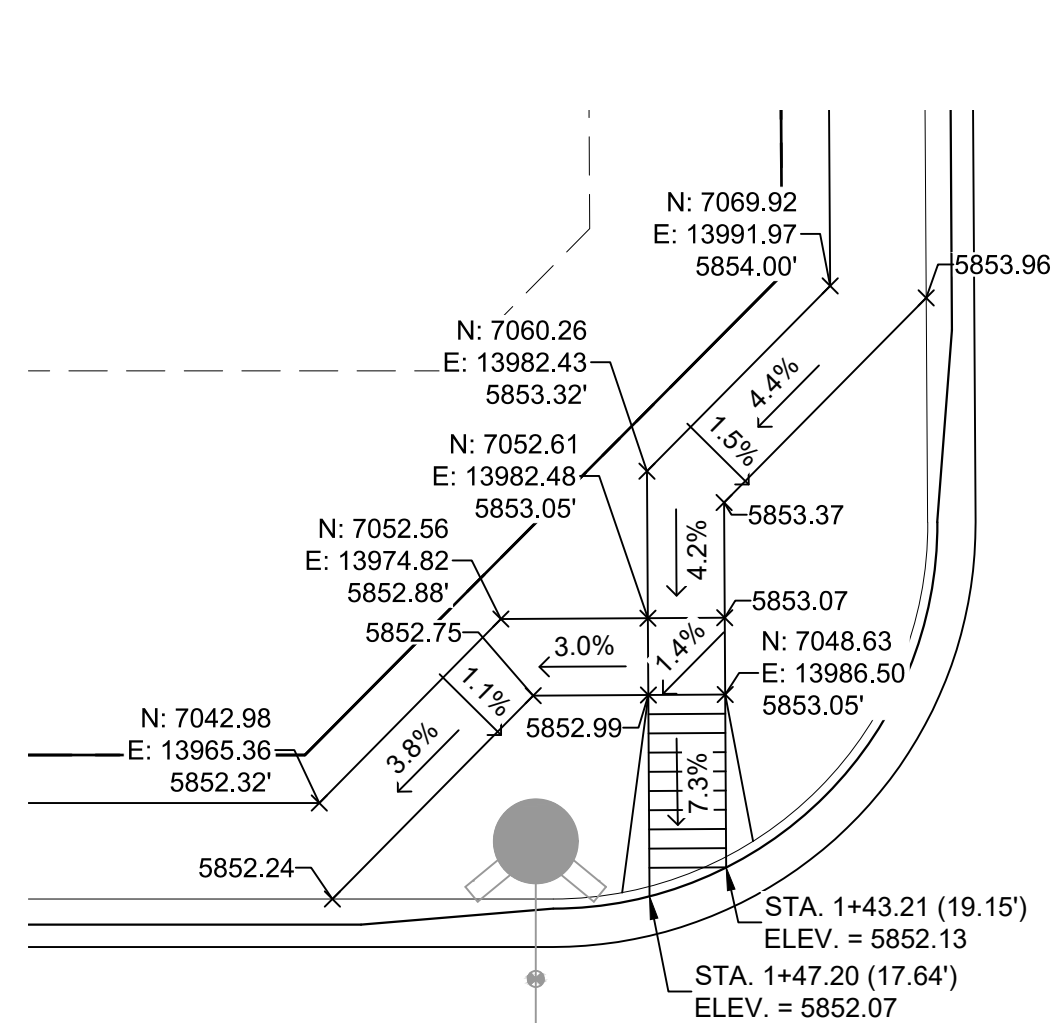


Know what's below. Call before you dig.

Ped ramp design doesn't seem to meet the intent of the detail to the right. The ramp should be a straight line path without the turn and detectable warning should be along the entire width of the access route.

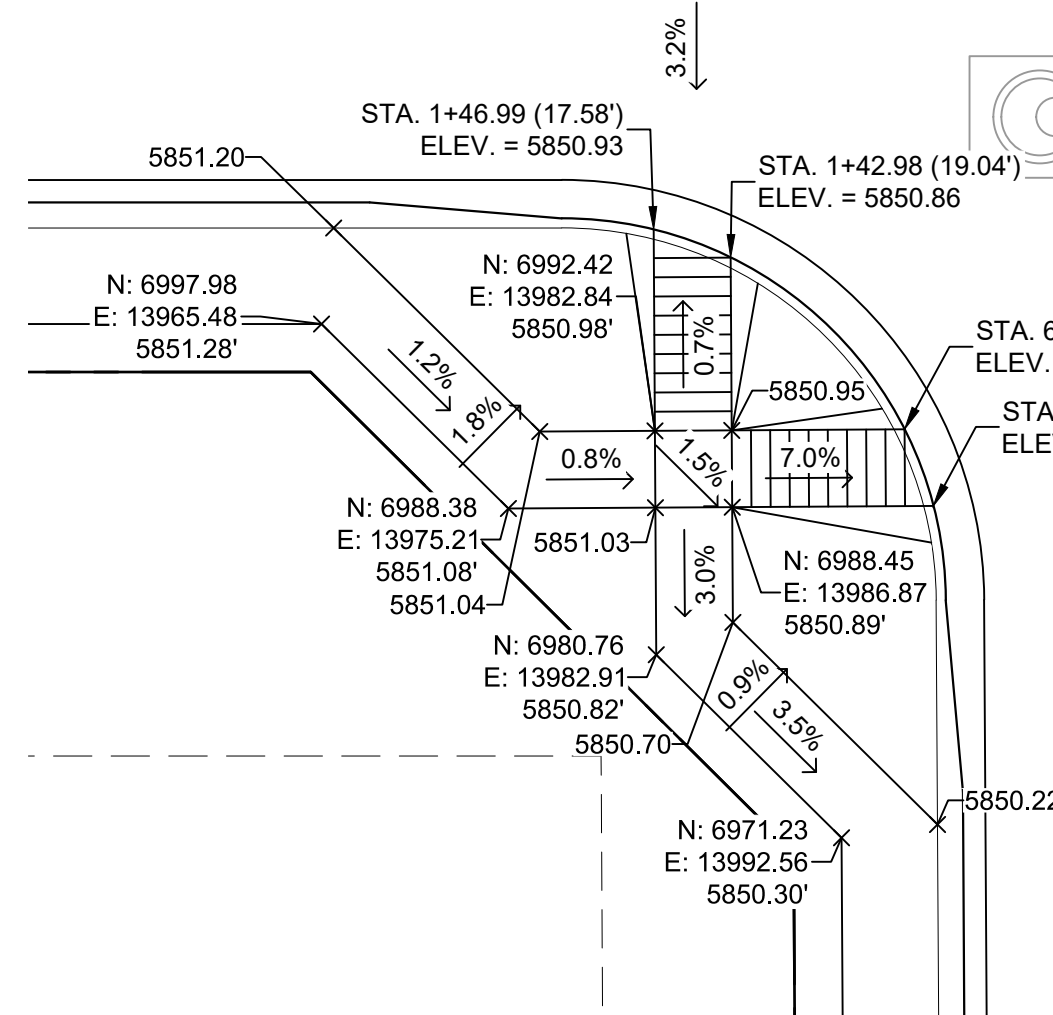
It seems possible to shift the ramp. See sketch on the left. Contact the review engineer prior to finalizing.

Comment applies to all other ramps with similar configuration.

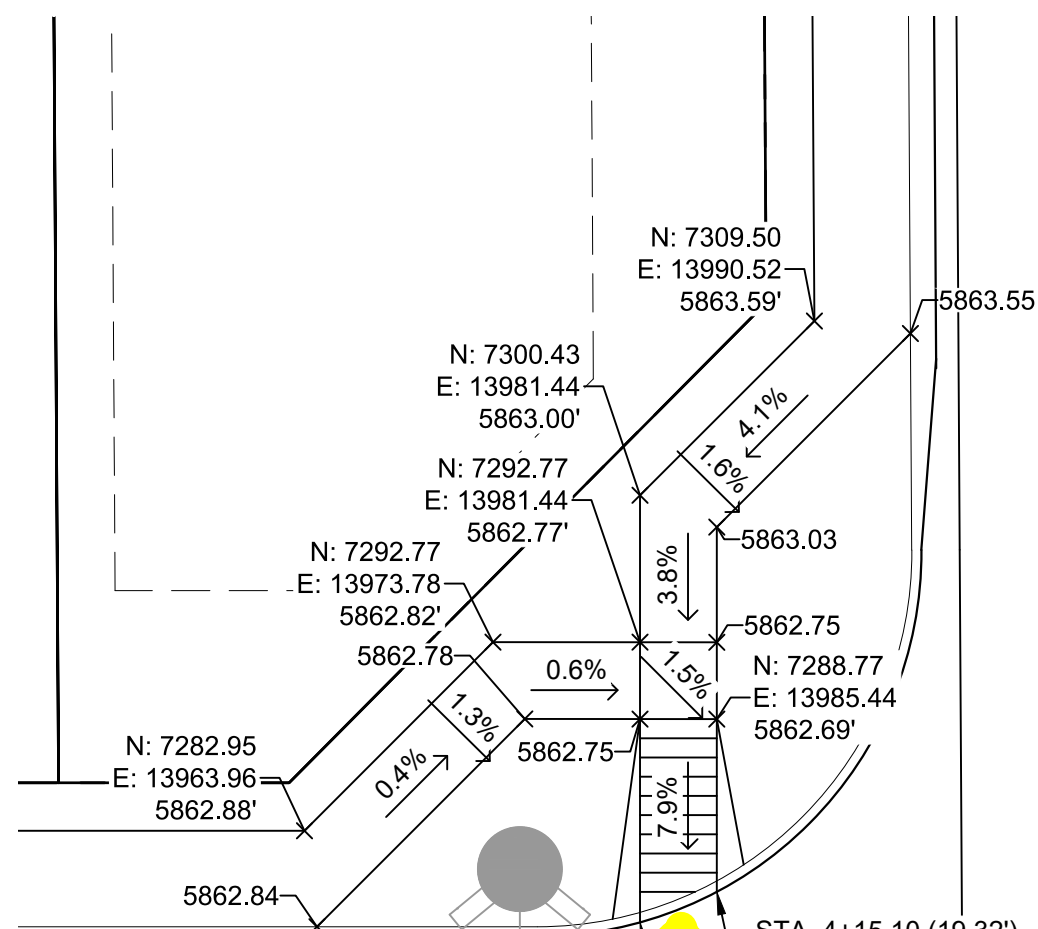


Update all ramps to show the truncated dome. See detail for max slope of the detectable area. Adjust grades accordingly.

ROUNDHOUSE DRIVE

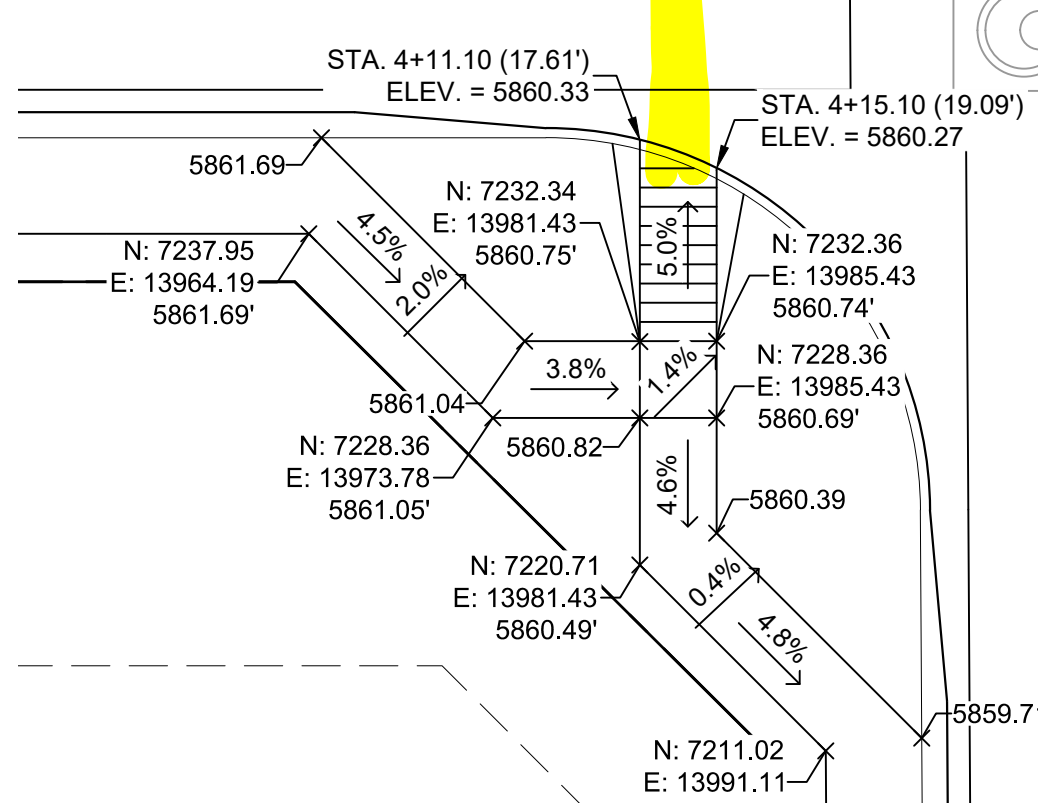


DETAIL A  
BIG JOHNSON DRIVE/ ROUNDHOUSE DRIVE  
INTERSECTION DETAILS

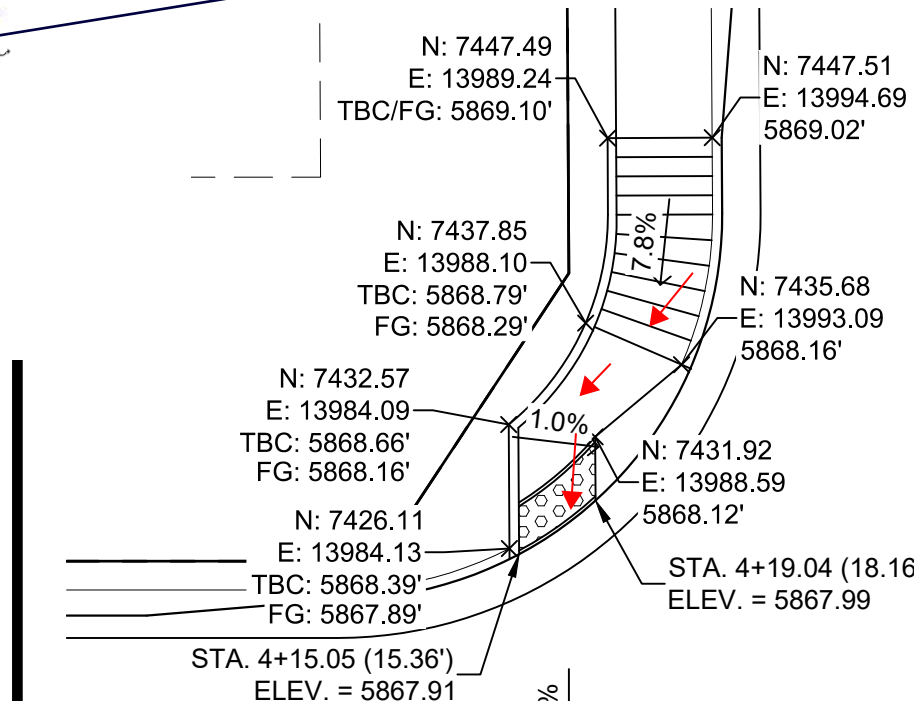
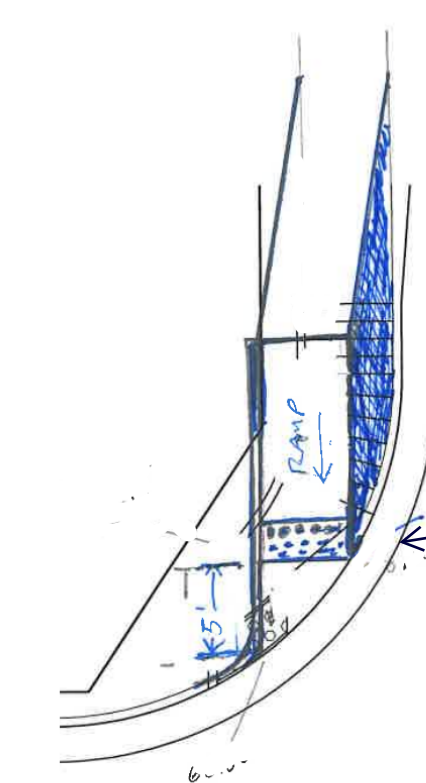


Cross slope for the pedestrian access route must be 2% Max at the stop or yield leg of the intersection.

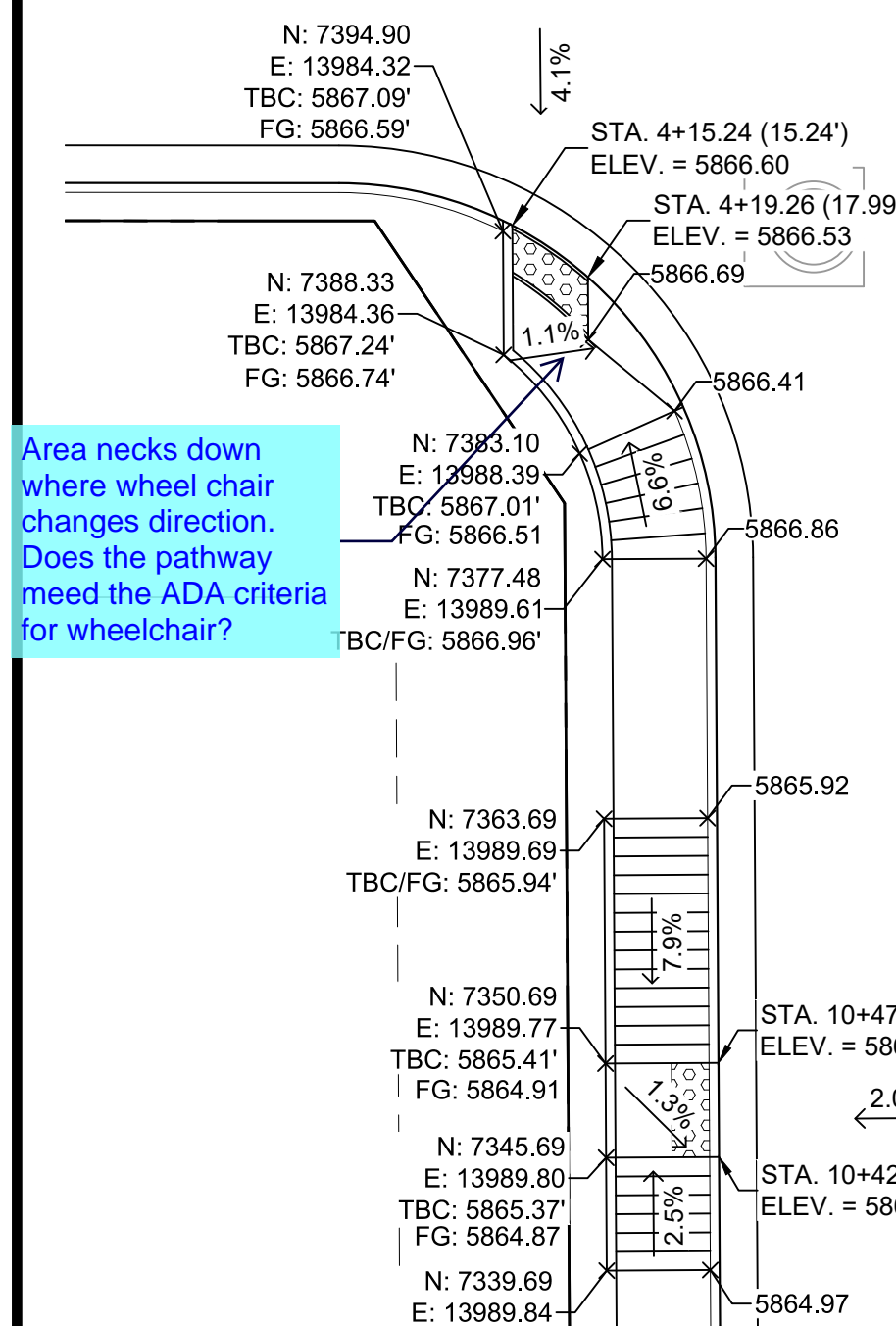
TURTLE LAKE WAY



DETAIL B  
BIG JOHNSON DRIVE/ TURTLE LAKE WAY  
INTERSECTION DETAILS



NUTTERBUTTER POINT



Area necks down where wheel chair changes direction. Does the pathway meet the ADA criteria for wheelchair?

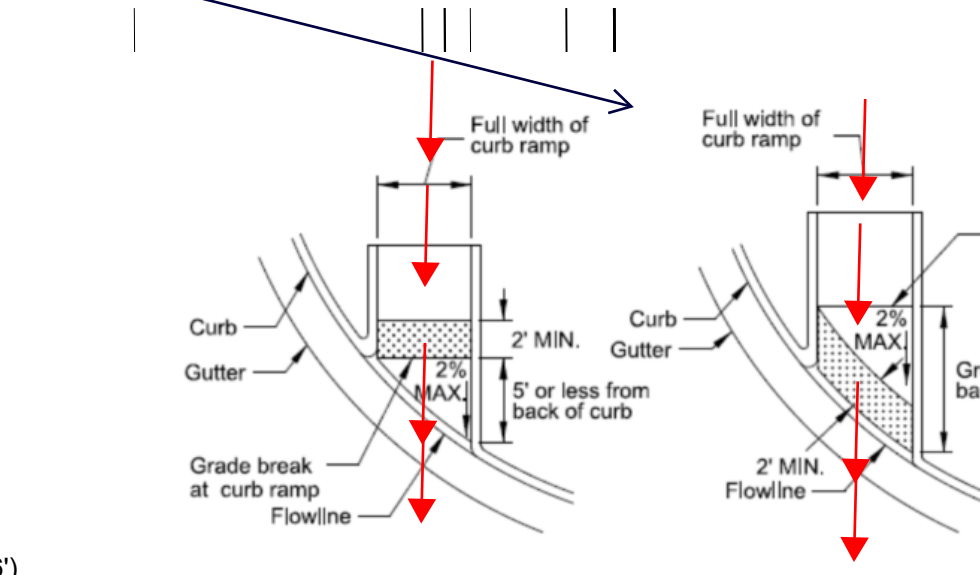
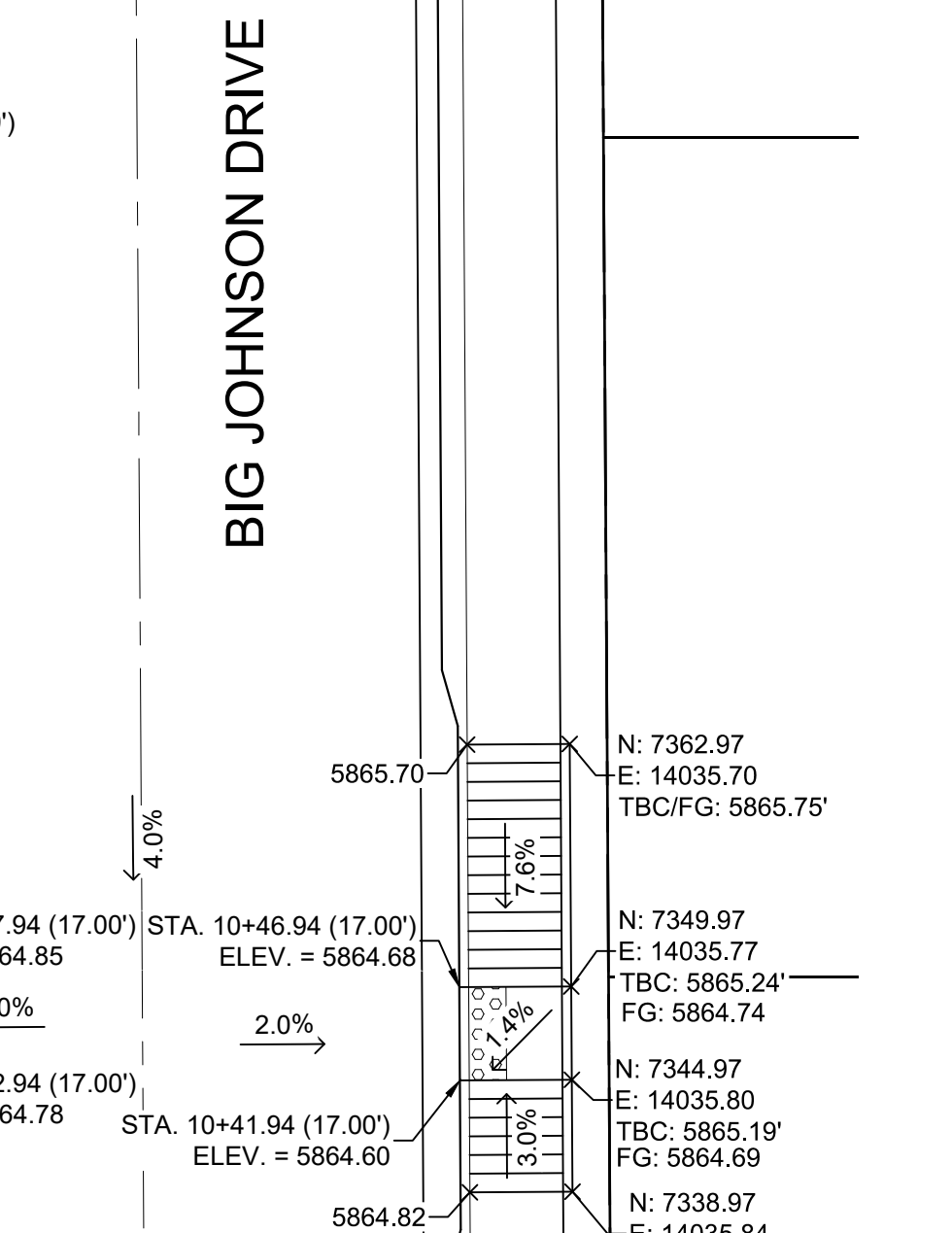


Figure 20 - Perpendicular Curb Ramp DWS Placement



DETAIL C  
BIG JOHNSON DRIVE/ NUTTERBUTTER POINT  
INTERSECTION DETAILS

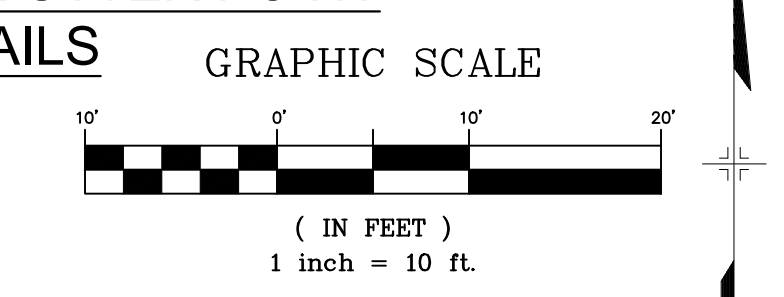
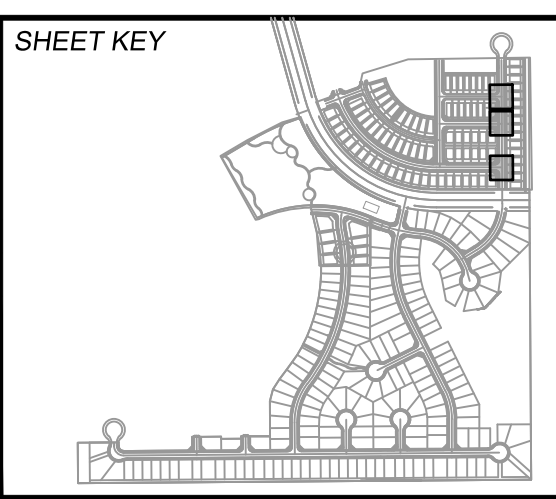


Table with columns: No., DATE, DESCRIPTION, REVISIONS, BY. Includes file management information and revision history.



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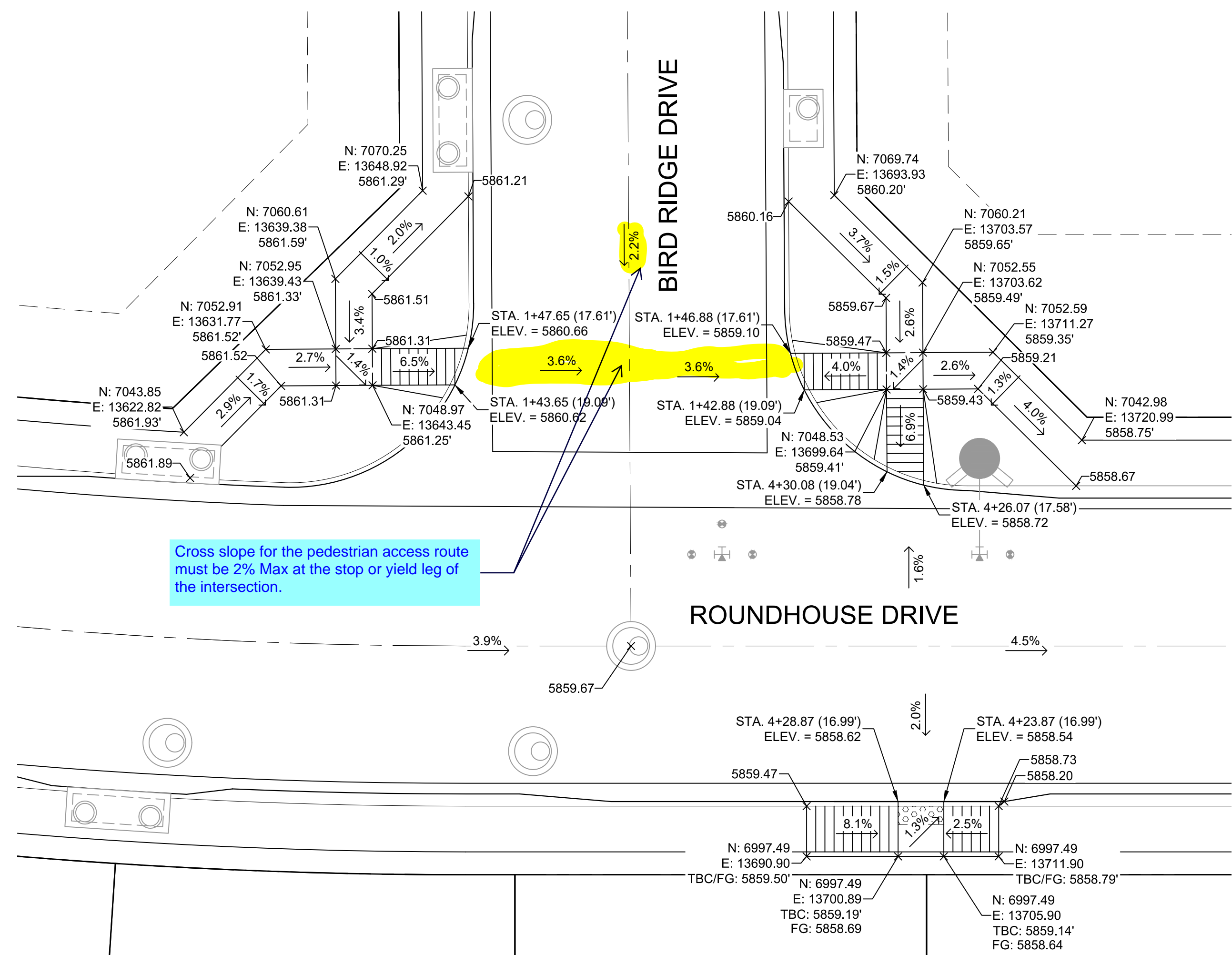


PRELIMINARY THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

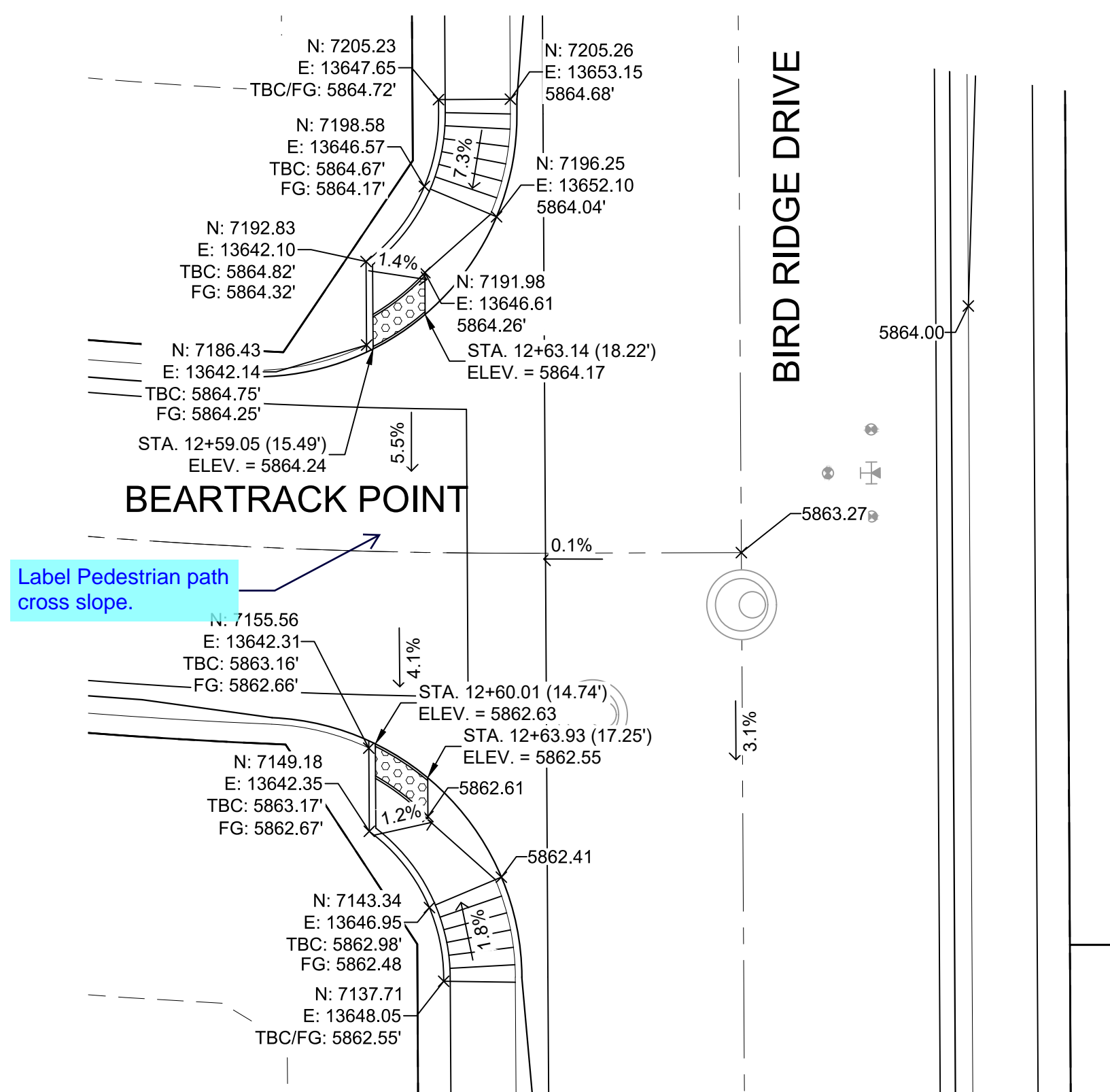
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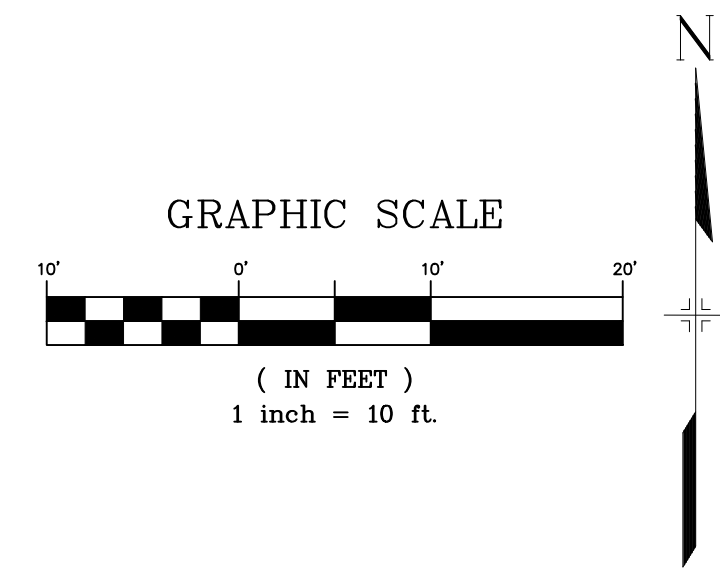
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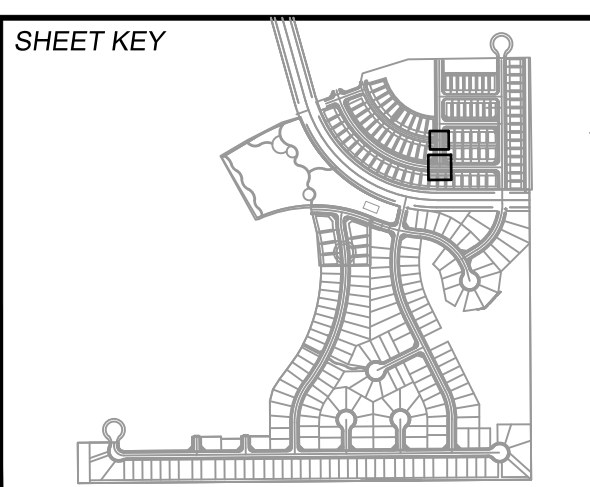
**DETAIL D**  
**ROUNDHOUSE DRIVE/ BIRD RIDGE DRIVE**  
**INTERSECTION DETAILS**



**DETAIL E**  
**BIRD RIDGE DRIVE/ BEARTRACK POINT**  
**INTERSECTION DETAILS**



REFERENCE DRAWINGS		COMPUTER FILE MANAGEMENT	
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19-886-PR-UTIL_SANITARY		THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.	
X-886-PR SITE-F2			
886-PR Legacy Drive			
GEC Titledbook			
X-886-PR-UTIL-F2			
X-886-PR SITE-FUTURE FILING			



**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
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ELEVATION - 5897.89' U.S. SURVEY FT

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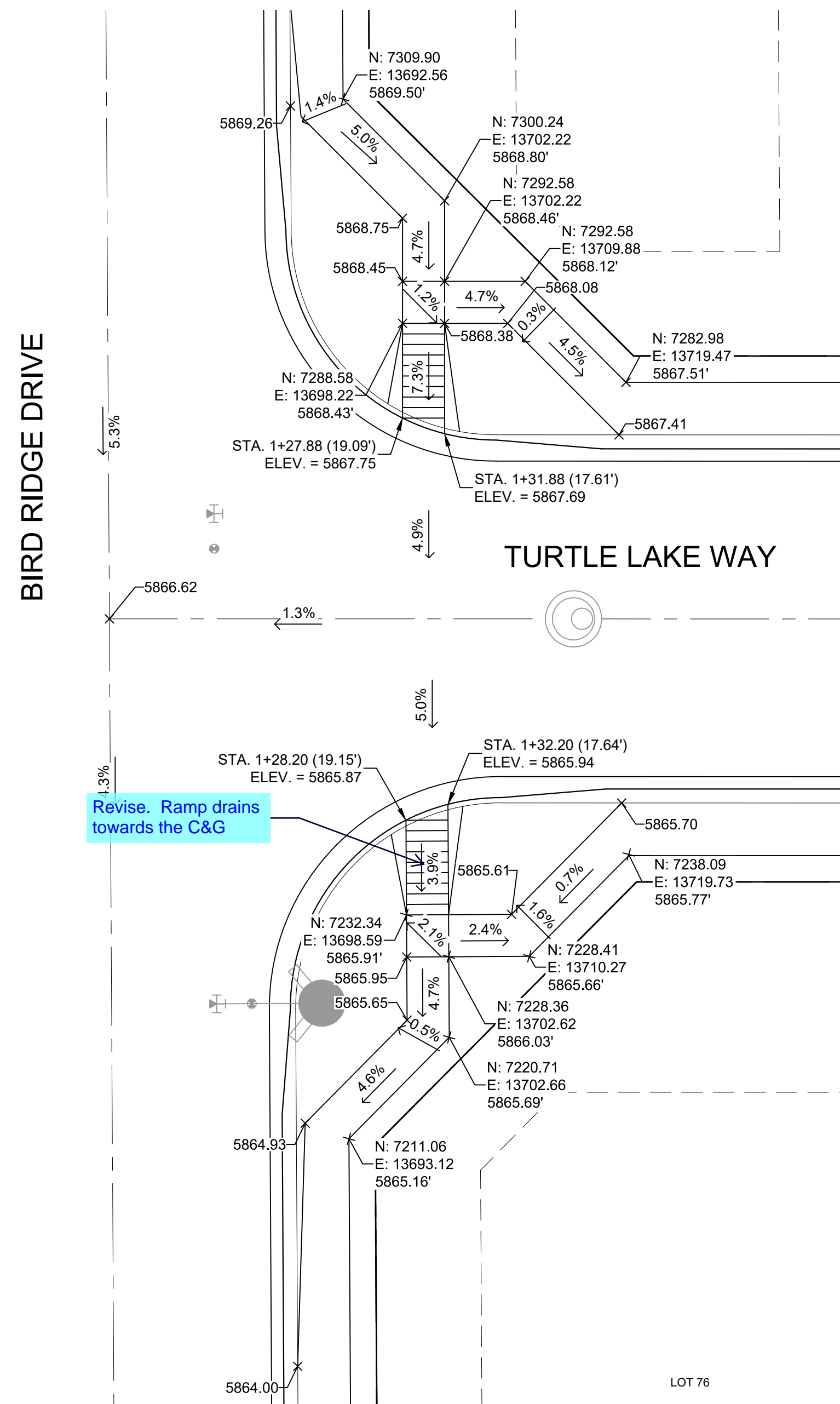
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**PRELIMINARY**  
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TRAILS AT ASPEN RIDGE			
FILING NO. 2 ROADWAY & STORM IMPROVEMENT PLANS			
INTERSECTION DETAILS			
DESIGNED BY:	NMS	SCALE:	DATE ISSUED:
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CHECKED BY:	NMS	VERT. N/A	SHEET 24 OF 35
			DRAWING No. RD21

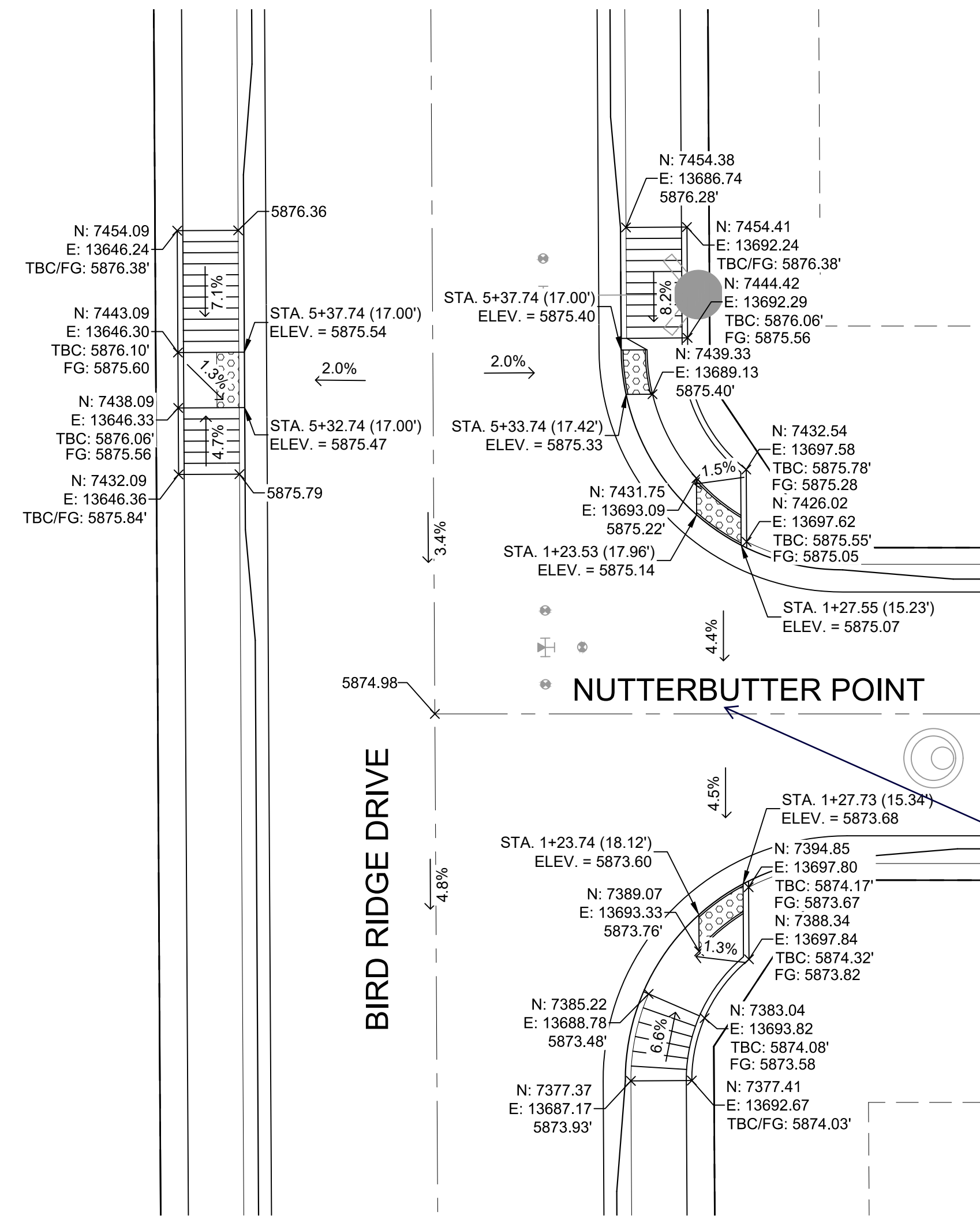




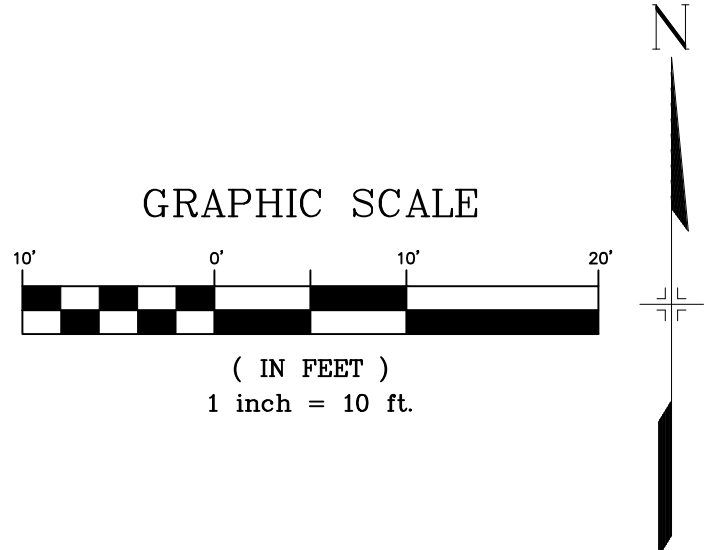
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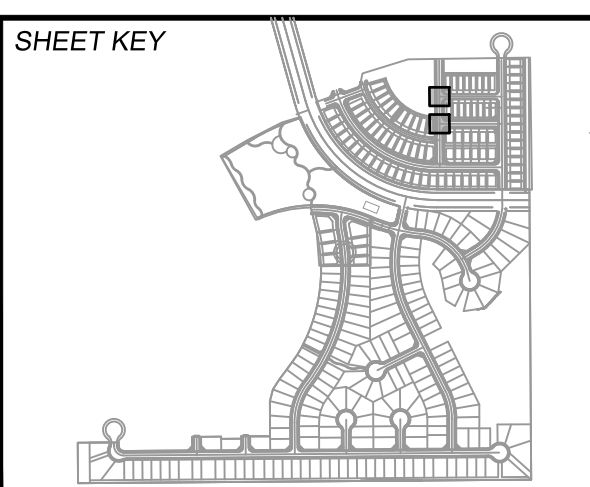
**DETAIL F**  
BIRD RIDGE DRIVE/ TURTLE LAKE WAY  
INTERSECTION DETAILS



**DETAIL G**  
BIRD RIDGE DRIVE/ NUTTERBUTTER POINT  
INTERSECTION DETAILS



REFERENCE DRAWINGS		REVISIONS	
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19-886-PR UTIL			
19-886-PR UTIL SANITARY			
X-886-PR SITE-F2			
886-PR Legacy Drive			
GEC Titledrock			
X-886-PR-UTIL-F2			
X-886-PR SITE-FUTURE FILING			



**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
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PREPARED BY:  
**Matrix**

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<b>TRAILS AT ASPEN RIDGE</b>			
FILING NO. 2			
ROADWAY & STORM IMPROVEMENT PLANS			
INTERSECTION DETAILS			
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CHECKED BY: NMS	VERT: N/A		

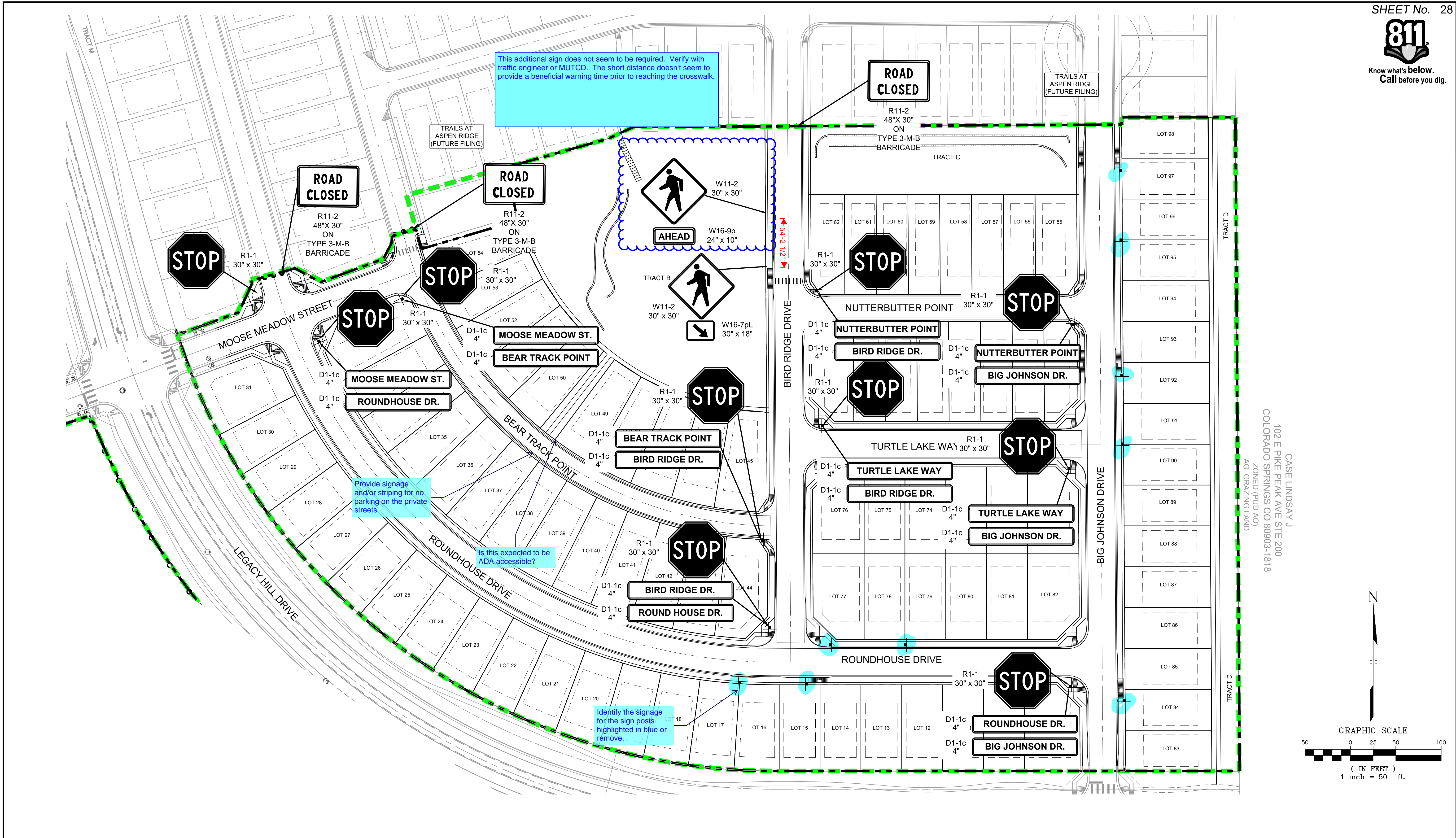
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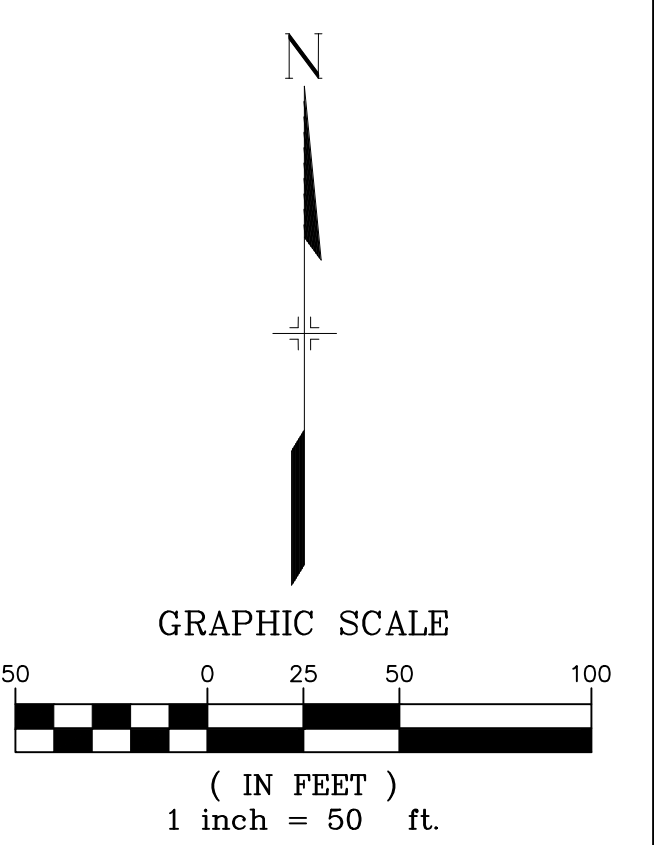




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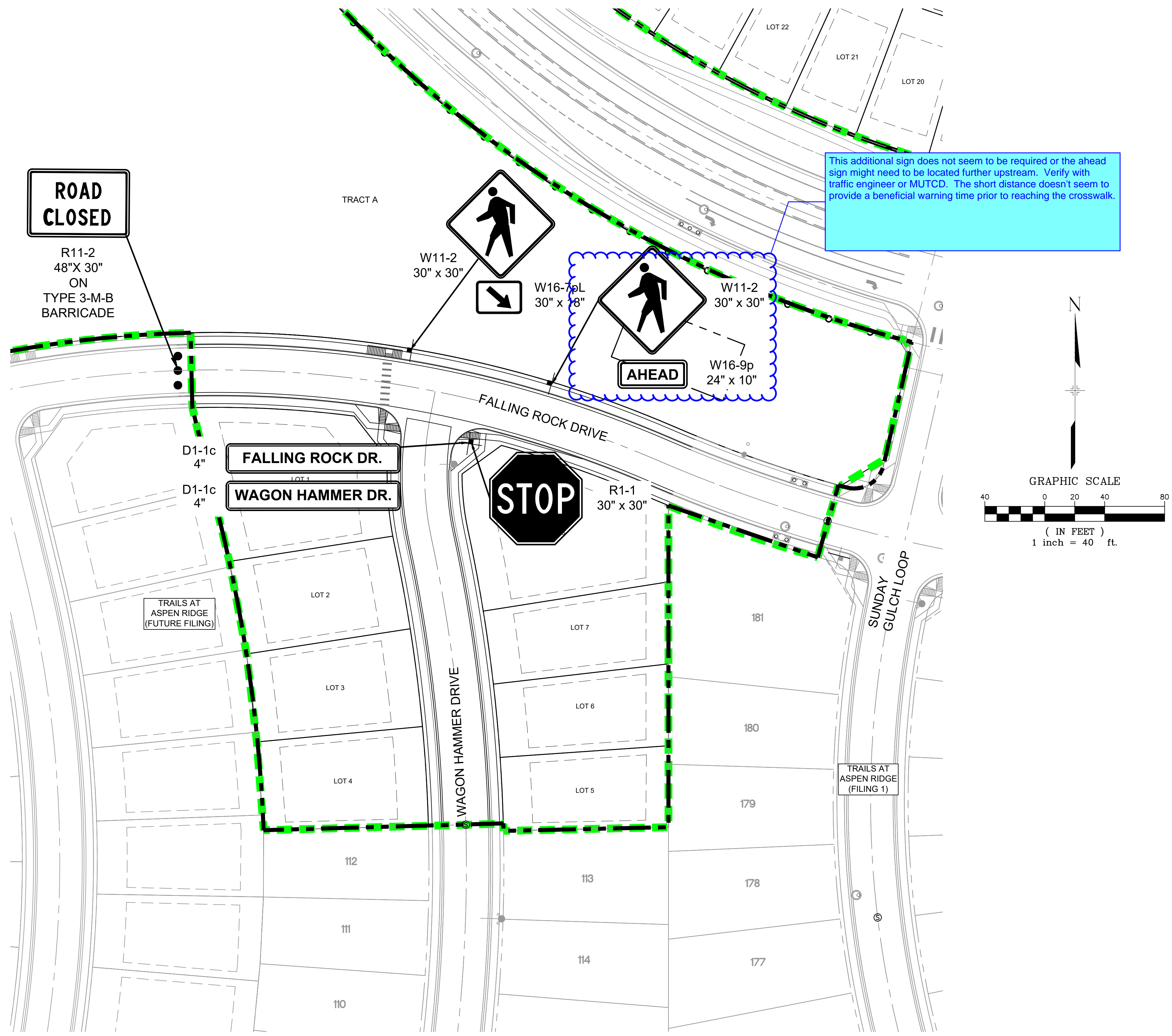
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COLORADO SPRINGS CO 80903-1818  
ZONED (PUD AO)  
AG, GRAZING LAND



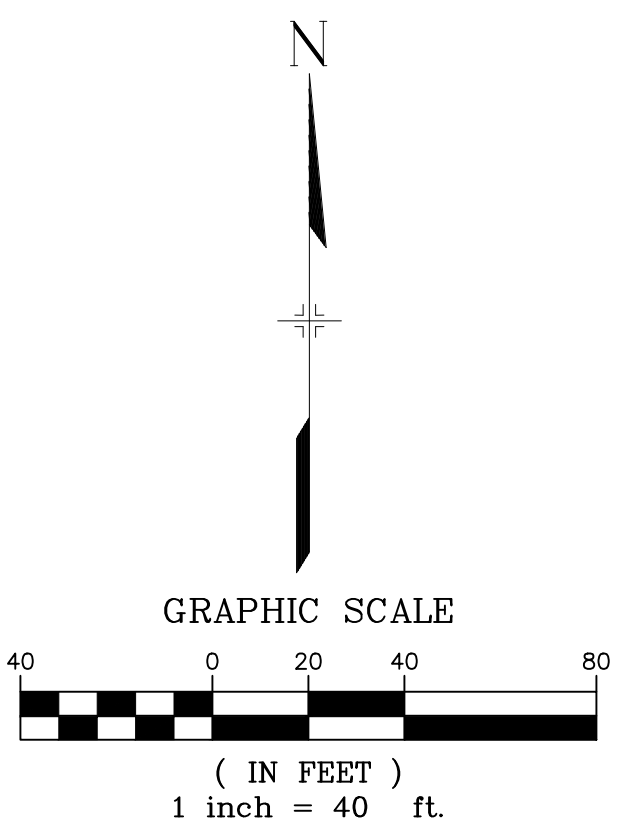
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No.	DATE	DESCRIPTION REVISIONS	BY																														
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DRAWN BY:	CRD	HORIZ. 1" = 50'	SHEET	28 OF 35	SN01																												
CHECKED BY:	NMS	VERT. N/A																															



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This additional sign does not seem to be required or the ahead sign might need to be located further upstream. Verify with traffic engineer or MUTCD. The short distance doesn't seem to provide a beneficial warning time prior to reaching the crosswalk.



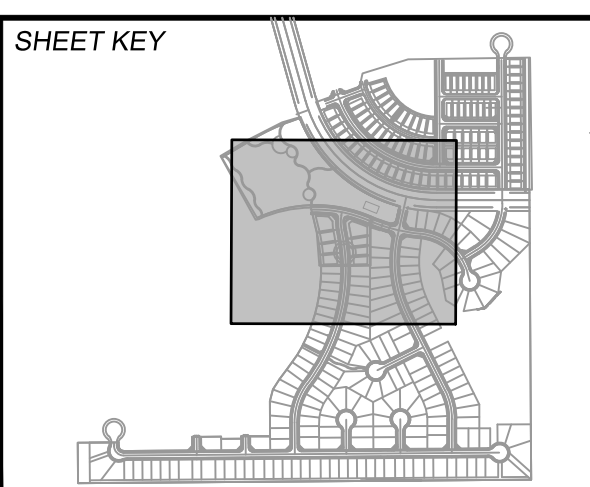
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886-PR Legacy Drive			
GEC Tibbetts			
X-886-PR SITE-FUTURE FILINGS			

No.	DATE	DESCRIPTION	BY
REVISIONS			

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**BENCHMARK**  
 COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
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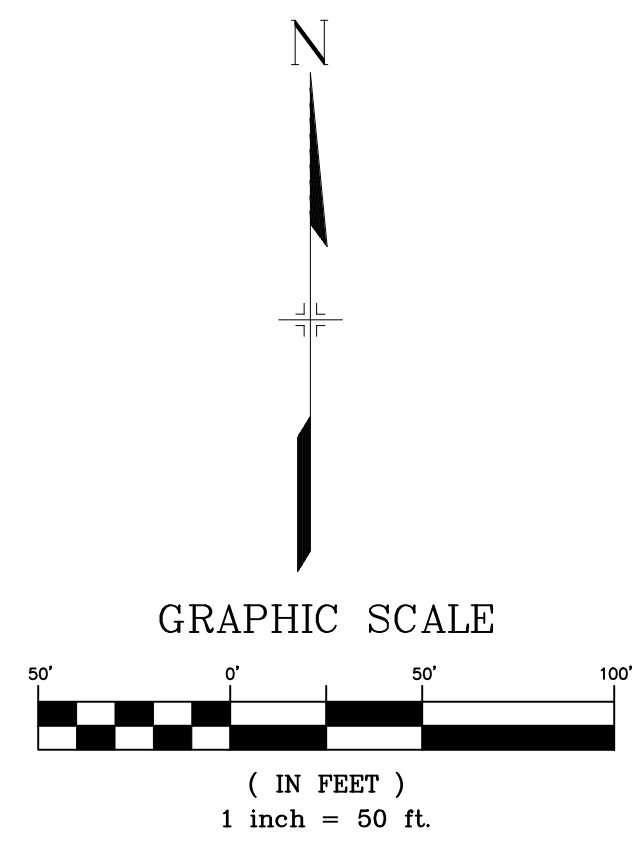
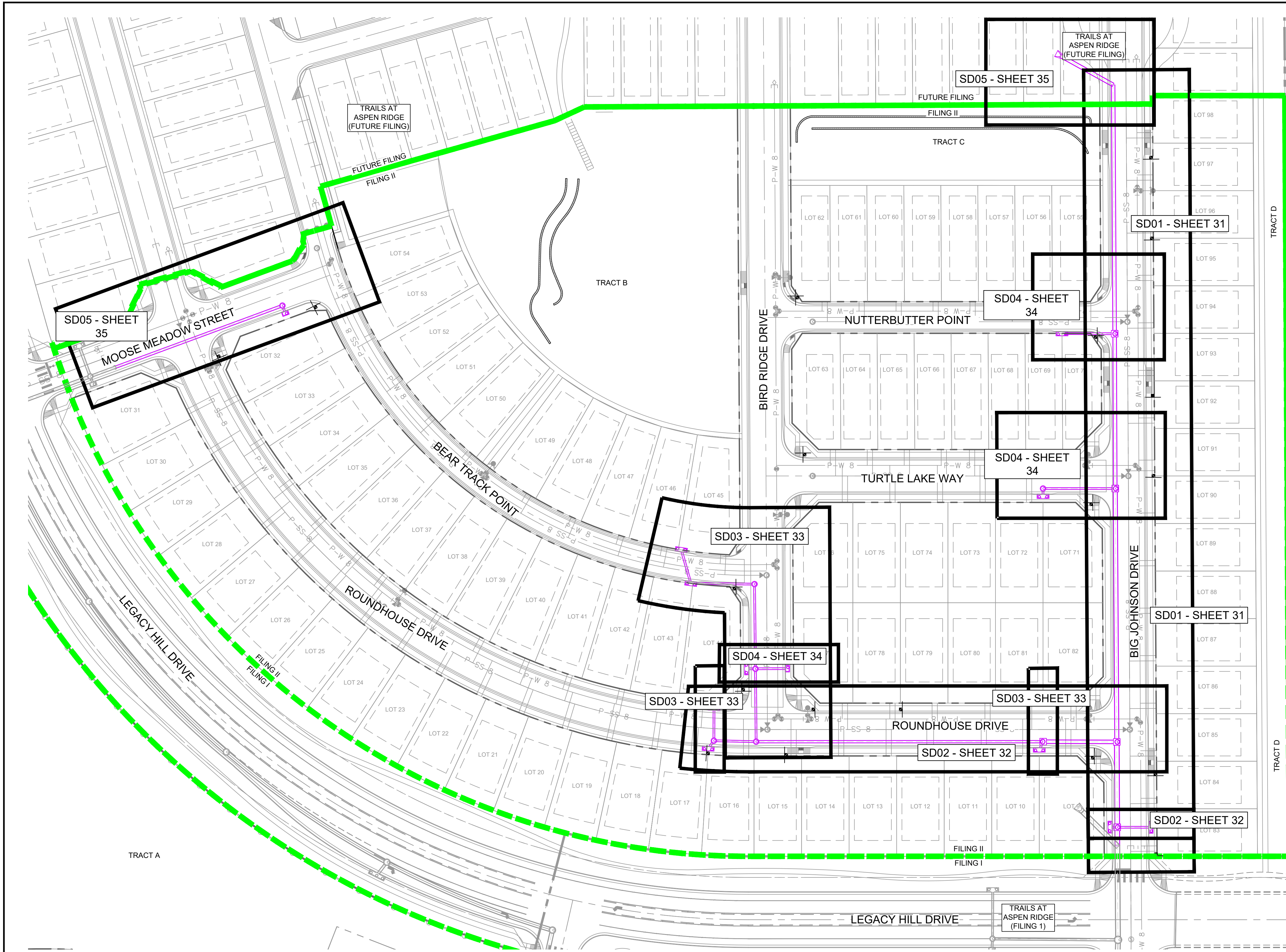
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TRAILS AT ASPEN RIDGE			
FILING NO. 2			
ROADWAY & STORM IMPROVEMENT PLANS			
SIGNING AND STRIPING PLAN			
DESIGNED BY:	NMS	SCALE:	DATE ISSUED:
DRAWN BY:	CRD	HORIZ 1" = 40'	NOVEMBER, 2019
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			29 OF 35
			DRAWING No. SN02



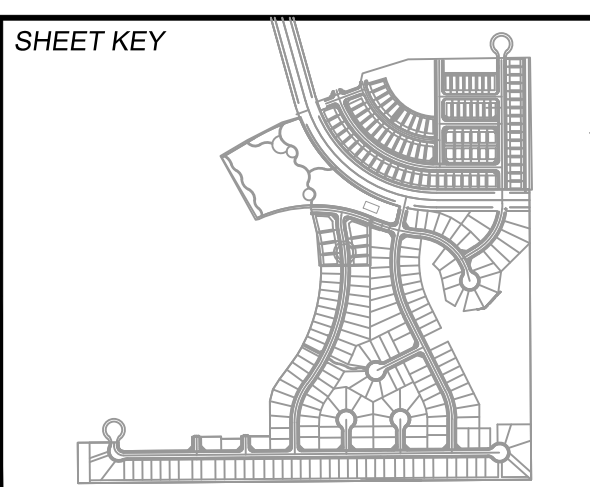
Know what's below.  
Call before you dig.



REFERENCE DRAWINGS			
19-886-PR-UTIL			
X-886-PR-STORM-F1			
19-886-PR-UTIL-SANITARY			
886-PR-Legacy Drive			
GEC Titleblock			
X-886-PR-SITE-F1			
X-886-PR-SITE-FUTURE FILINGS			
X-886-PR-UTIL-F2			
X-886-PR-SITE-F2			
X-886-PR-CROSSINGS			

No.	DATE	DESCRIPTION REVISIONS	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.014 (Trails at Aspen Ridge - F2)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SD01.dwg			
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PLOT DATE: November 8, 2019 1:28:33 PM			
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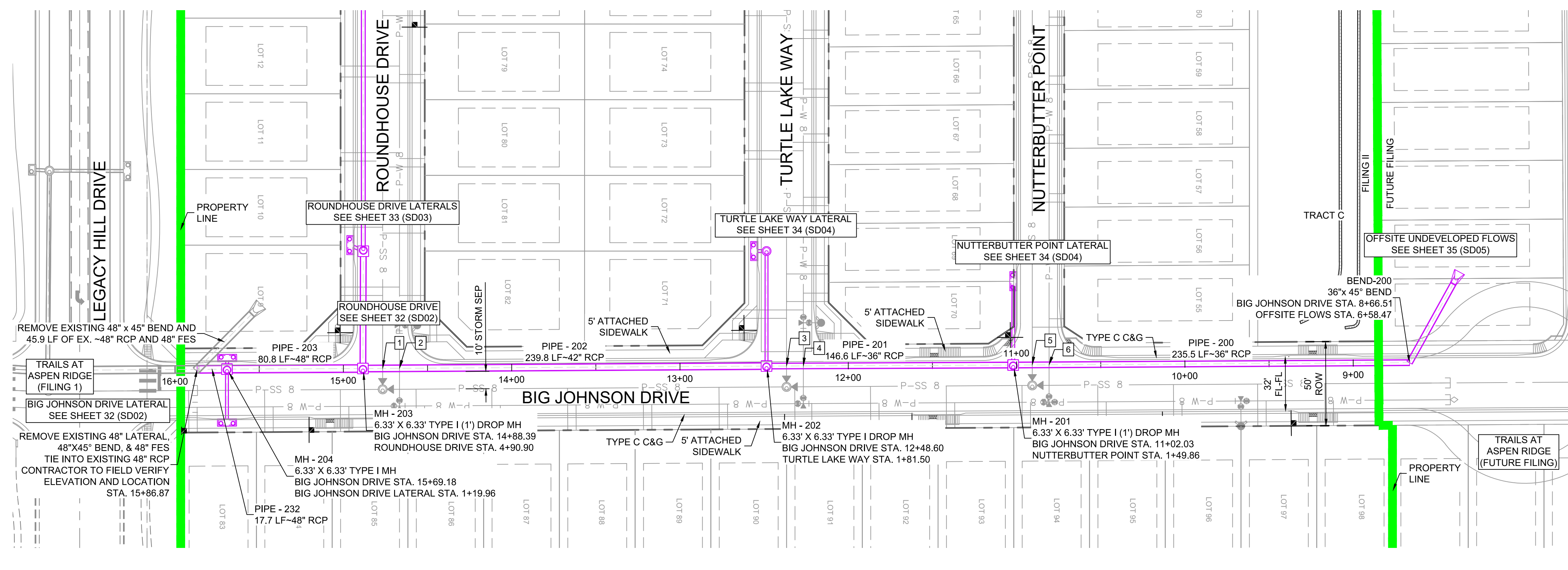
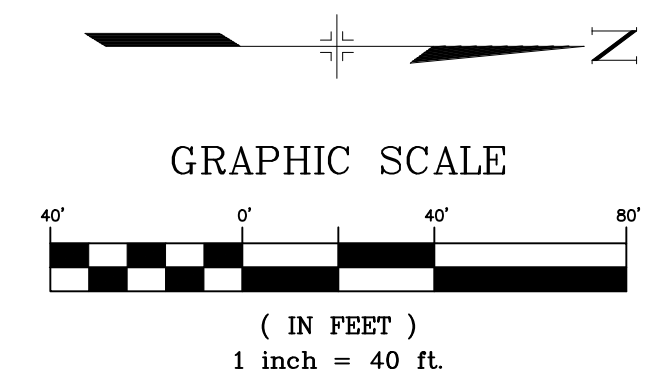
**BENCHMARK**  
 COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
 A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD,  
 ELEVATION - 5897.89' U.S. SURVEY FT

**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 1/2" AULM. CAP PLS 10377)

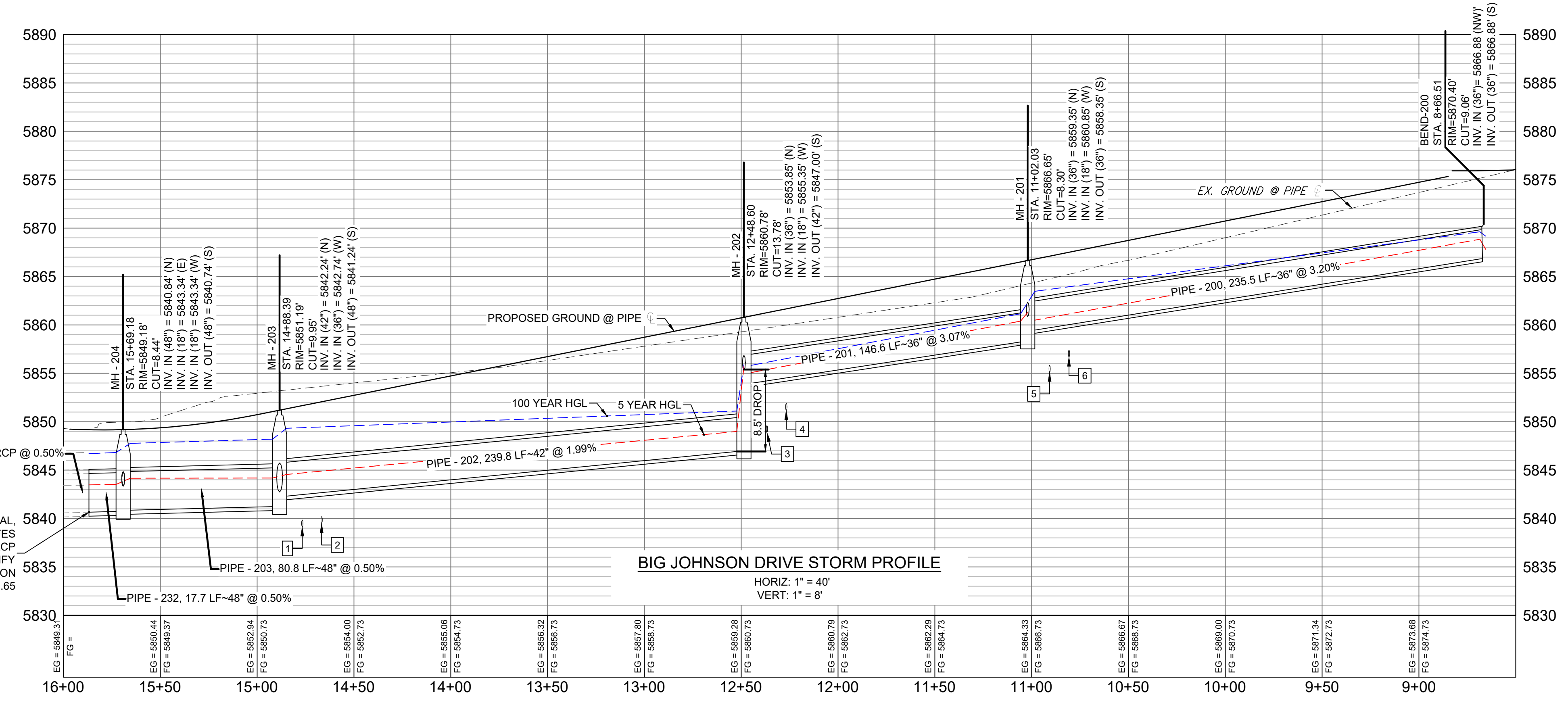
PREPARED BY:  
 Matrix

SEAL  
**PRELIMINARY**  
 THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

TRAILS AT ASPEN RIDGE			
FILING NO. 2			
ROADWAY & STORM IMPROVEMENT PLANS			
STORM KEY MAP			
DESIGNED BY: NMS	SCALE: HORIZ 1" = 50'	DATE ISSUED: NOVEMBER, 2019	DRAWING No. SD00
CHECKED BY: NMS	VERT. N/A	SHEET 30 OF 35	



STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
BEND-200	36"x 45" BEND	RIM = 5870.40 PIPE - 227 INV IN (36") = 5866.88 PIPE - 200 INV OUT (36") = 5866.88	N: 7630.64 E: 13998.89
MH - 201	6.33' X 6.33' TYPE I (1') DROP MH	RIM = 5866.65 PIPE - 200 INV IN (36") = 5859.35 PIPE - 205 INV IN (18") = 5860.85 PIPE - 201 INV OUT (36") = 5858.35	N: 7395.12 E: 14000.31
MH - 202	6.33' X 6.33' TYPE I DROP MH	RIM = 5860.78 PIPE - 201 INV IN (36") = 5853.85 PIPE - 208 INV IN (18") = 5855.35 PIPE - 202 INV OUT (42") = 5847.00	N: 7248.56 E: 14000.93
MH - 203	6.33' X 6.33' TYPE I (1') DROP MH	RIM = 5851.19 PIPE - 202 INV IN (42") = 5842.24 PIPE - 221 INV IN (36") = 5842.74 PIPE - 203 INV OUT (48") = 5841.24	N: 7008.77 E: 14002.39
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 - 200	S00°20'47"E	235.5'	3.20%	36" RCP
PIPE - 201	S00°14'21"E	146.6'	3.07%	36" RCP
PIPE - 202	S00°20'59"E	239.8'	1.99%	42" RCP
PIPE - 203	S00°15'04"E	80.8'	0.50%	48" RCP
PIPE - 232	S00°24'33"E	17.7'	0.50%	48" RCP

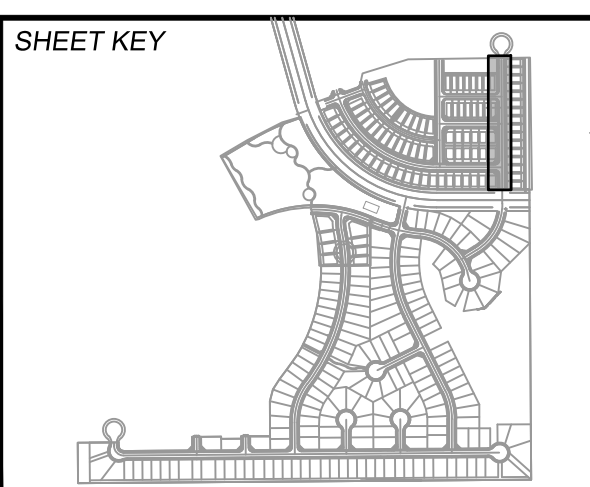
STORM CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
1	N 7,020.48 E 14,002.32	8" PVC SAN 5839.85	42" RCP STORM 5842.10	2.25'
2	N 7,030.48 E 14,002.26	8" PVC WATER 5840.30	42" RCP STORM 5842.30	2.00'
3	N 7,260.45 E 14,000.88	8" PVC SAN 5849.60	36" RCP STORM 5853.88	4.28'
4	N 7,270.45 E 14,000.84	8" PVC WATER 5851.89	36" RCP STORM 5854.19	2.30'
5	N 7,406.48 E 14,000.25	8" PVC SAN 5855.82	36" RCP STORM 5859.38	3.56'
6	N 7,416.45 E 14,000.19	8" PVC WATER 5857.39	36" RCP STORM 5859.70	2.31'

- 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.
  - PER THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL, MANHOLES SHALL BE INSTALLED 18" BELOW THE SURFACE OF THE PAVEMENT ON THE LOWEST SIDE OF THE MANHOLE.
  - SECTIONS OF STORM PIPE WITH PRESSURE HEAD DURING THE 100 YR STORM SHALL USE WATERTIGHT JOINTS WITH A 100 YR SERVICE LIFE PER ECM 3.3.1.B.2.

REFERENCE DRAWINGS	
19-886-PR-UTIL	X-886-PR STORM F1
19-886-PR-UTIL	SANITARY
886-PR	Legacy Drive
GEC	Titleblock
X-886-PR SITE_F1	X-886-PR SITE
X-886-PR-UTIL-F2	X-886-PR SITE-F2
X-886-PR SITE-F2	X-886-PR CROSSINGS

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.014 (Trails at Aspen Ridge - F2)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SD01.dwg			
CTB FILE: ---			
PLOT DATE: November 8, 2019 1:28:41 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 1/2' AULM. CAP PLS 10377)

PREPARED BY:

SEAL  
**PRELIMINARY**  
 THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

**TRAILS AT ASPEN RIDGE**

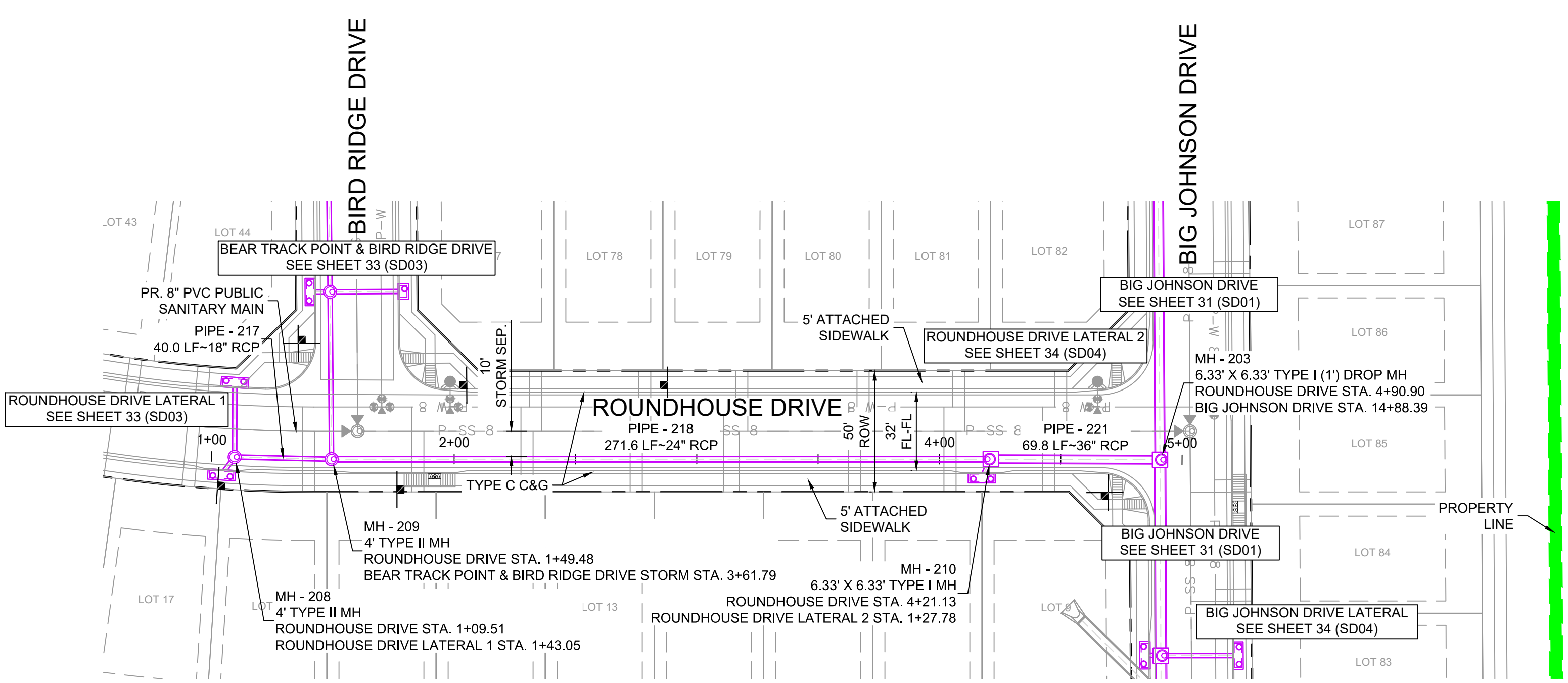
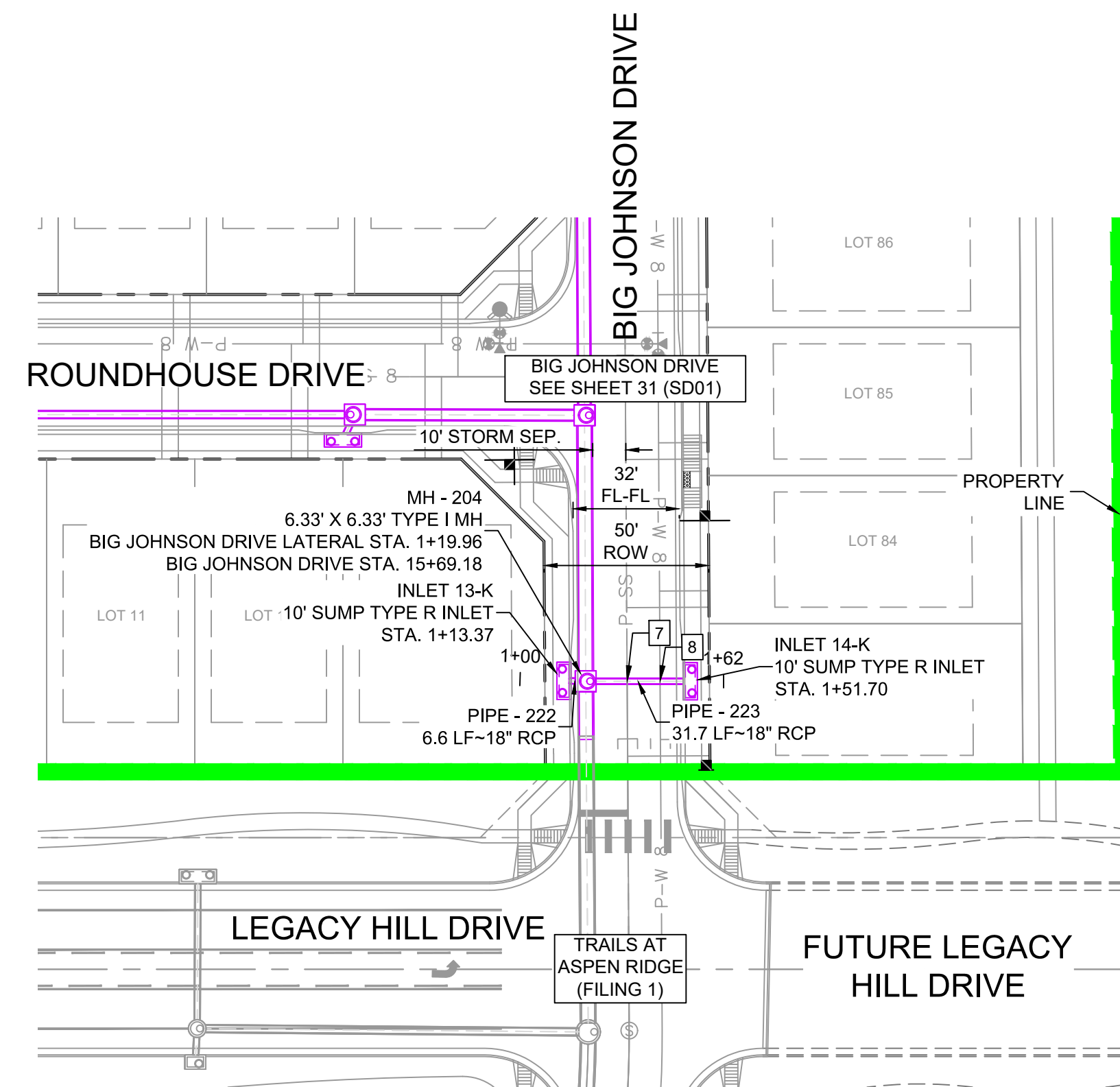
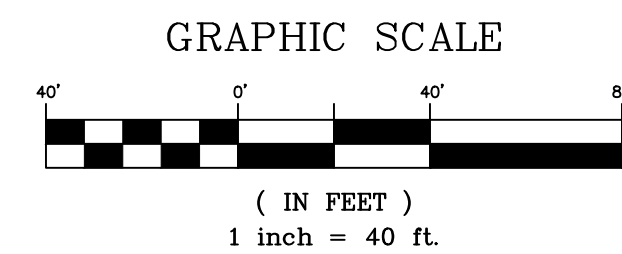
FILING NO. 2  
 ROADWAY & STORM IMPROVEMENT PLANS

**STORM DRAIN PLAN & PROFILE**

DESIGNED BY: NMS	SCALE: HORIZ 1" = 40'	DATE ISSUED: NOVEMBER, 2019	DRAWING No. SD01
DRAWN BY: CRD	VERT. 1" = 8'	SHEET 31 OF 35	
CHECKED BY: NMS			



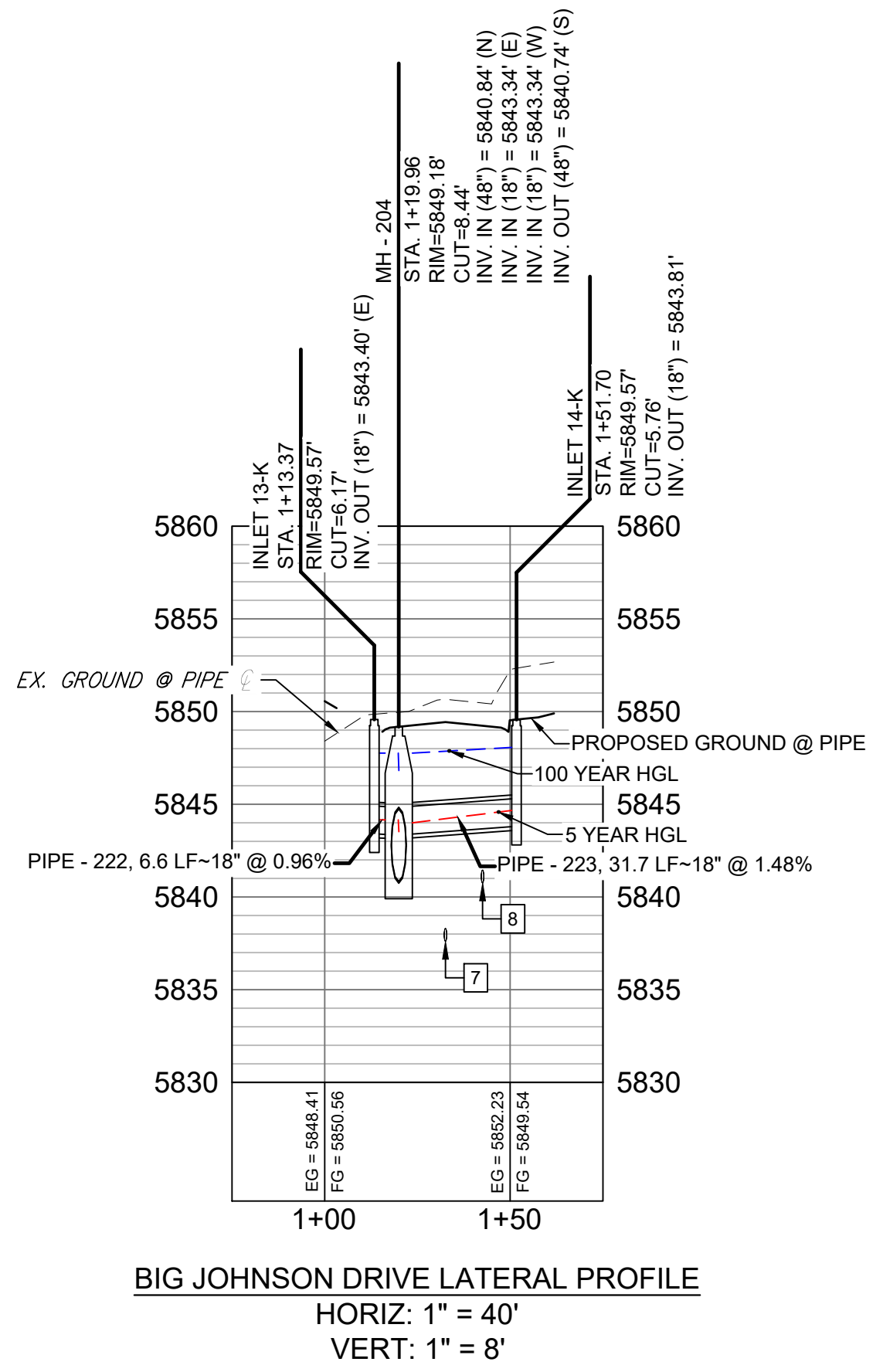
Know what's below.  
Call before you dig.



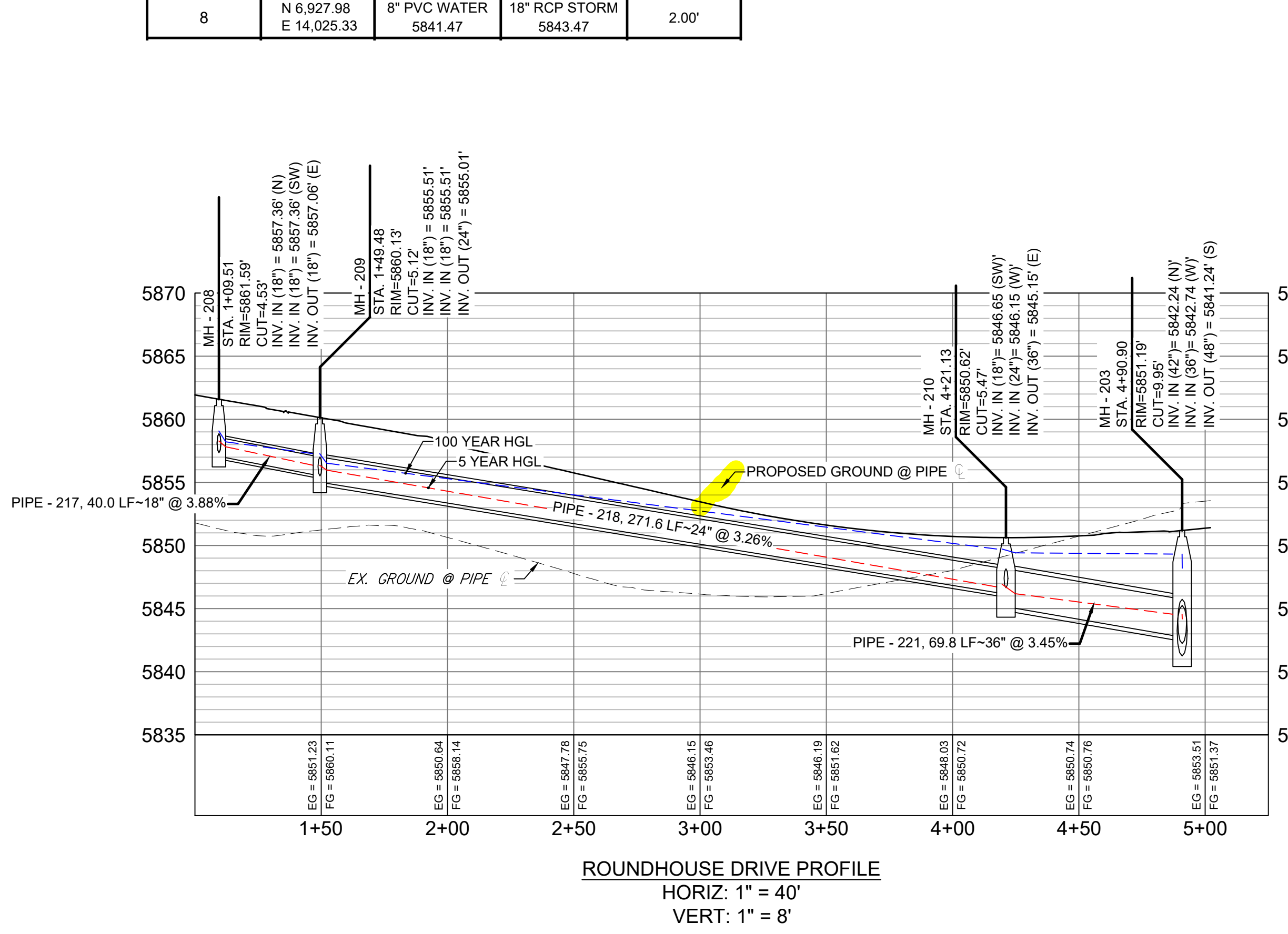
STORM CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
7	N 6,927.99 E 14,015.33	8" PVC SAN 5838.31	18" RCP STORM 5843.32	5.01'
8	N 6,927.98 E 14,025.33	8" PVC WATER 5841.47	18" RCP STORM 5843.47	2.00'

PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 217	N88°41'05"W	40.0'	3.88%	18" RCP
PIPE - 218	S89°59'57"W	271.6'	3.26%	24" RCP
PIPE - 221	N89°49'23"W	69.8'	3.45%	36" RCP
PIPE - 222	N88°52'19"W	6.6'	0.96%	18" RCP
PIPE - 223	S89°59'46"E	31.7'	1.48%	18" RCP

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
INLET 13-K	10' SUMP TYPE R INLET	RIM = 5849.57 PIPE - 222 INV OUT (18") = 5843.40	N: 6928.11 E: 13996.16
INLET 14-K	10' SUMP TYPE R INLET	RIM = 5849.57 PIPE - 223 INV OUT (18") = 5843.81	N: 6927.98 E: 14034.49
MH - 203	6.33' X 6.33' TYPE I (1') DROP MH	RIM = 5851.19 PIPE - 202 INV IN (42") = 5842.24 PIPE - 201 INV IN (36") = 5842.74 PIPE - 203 INV OUT (48") = 5841.24	N: 7008.77 E: 14002.39
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
MH - 208	4' TYPE II MH	RIM = 5861.59 PIPE - 215 INV IN (18") = 5857.36 PIPE - 216 INV IN (18") = 5857.36 PIPE - 217 INV OUT (18") = 5857.06	N: 7009.90 E: 13621.01
MH - 209	4' TYPE II MH	RIM = 5860.13 PIPE - 214 INV IN (18") = 5855.51 PIPE - 217 INV IN (18") = 5855.51 PIPE - 218 INV OUT (24") = 5855.01	N: 7008.98 E: 13660.98
MH - 210	6.33' X 6.33' TYPE I MH	RIM = 5850.62 PIPE - 220 INV IN (18") = 5846.65 PIPE - 218 INV IN (24") = 5846.15 PIPE - 221 INV OUT (36") = 5845.15	N: 7008.98 E: 13932.63



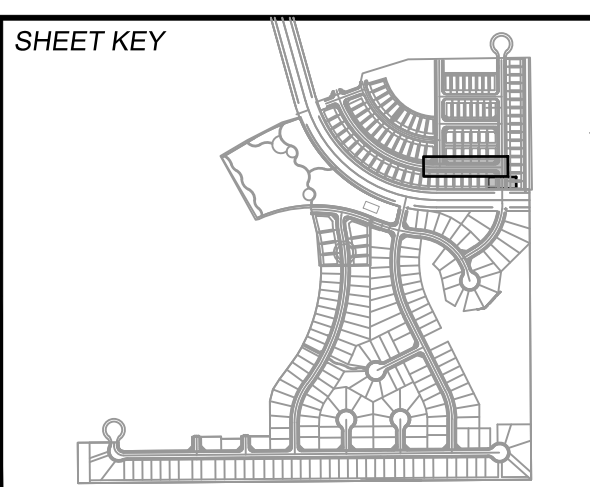
BIG JOHNSON DRIVE LATERAL PROFILE  
HORIZ: 1" = 40'  
VERT: 1" = 8'



ROUNDHOUSE DRIVE PROFILE  
HORIZ: 1" = 40'  
VERT: 1" = 8'

- 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.
  - 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:\19.886.014 (Trails at Aspen Ridge - F2)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SD01.dwg			
CTB FILE: ---			
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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)



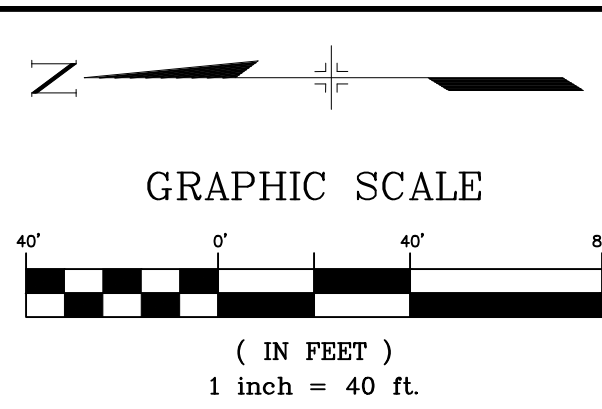
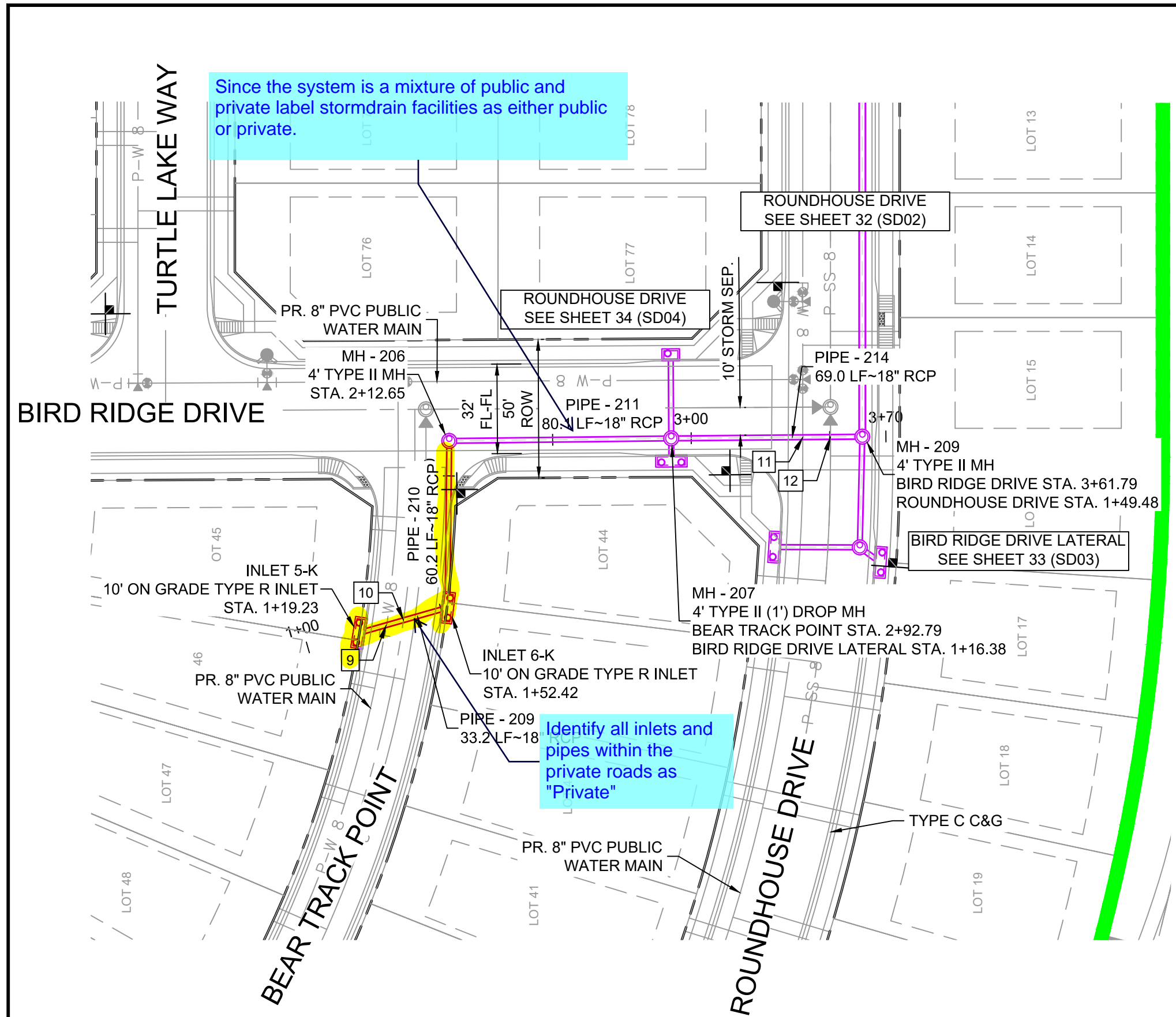
PRELIMINARY  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

TRAILS AT ASPEN RIDGE			
FILING NO. 2			
ROADWAY & STORM IMPROVEMENT PLANS			
STORM DRAIN PLAN & PROFILE			
DESIGNED BY: NMS	SCALE: 1" = 40'	DATE ISSUED: NOVEMBER, 2019	DRAWING No. SD02
DRAWN BY: CRD	HORIZ: 1" = 40'	SHEET: 32 OF 35	
CHECKED BY: NMS	VERT: 1" = 8'		

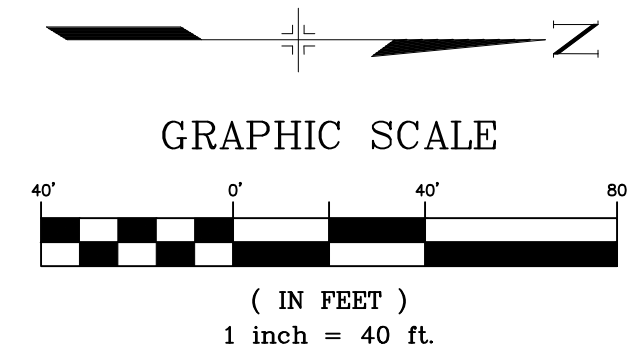




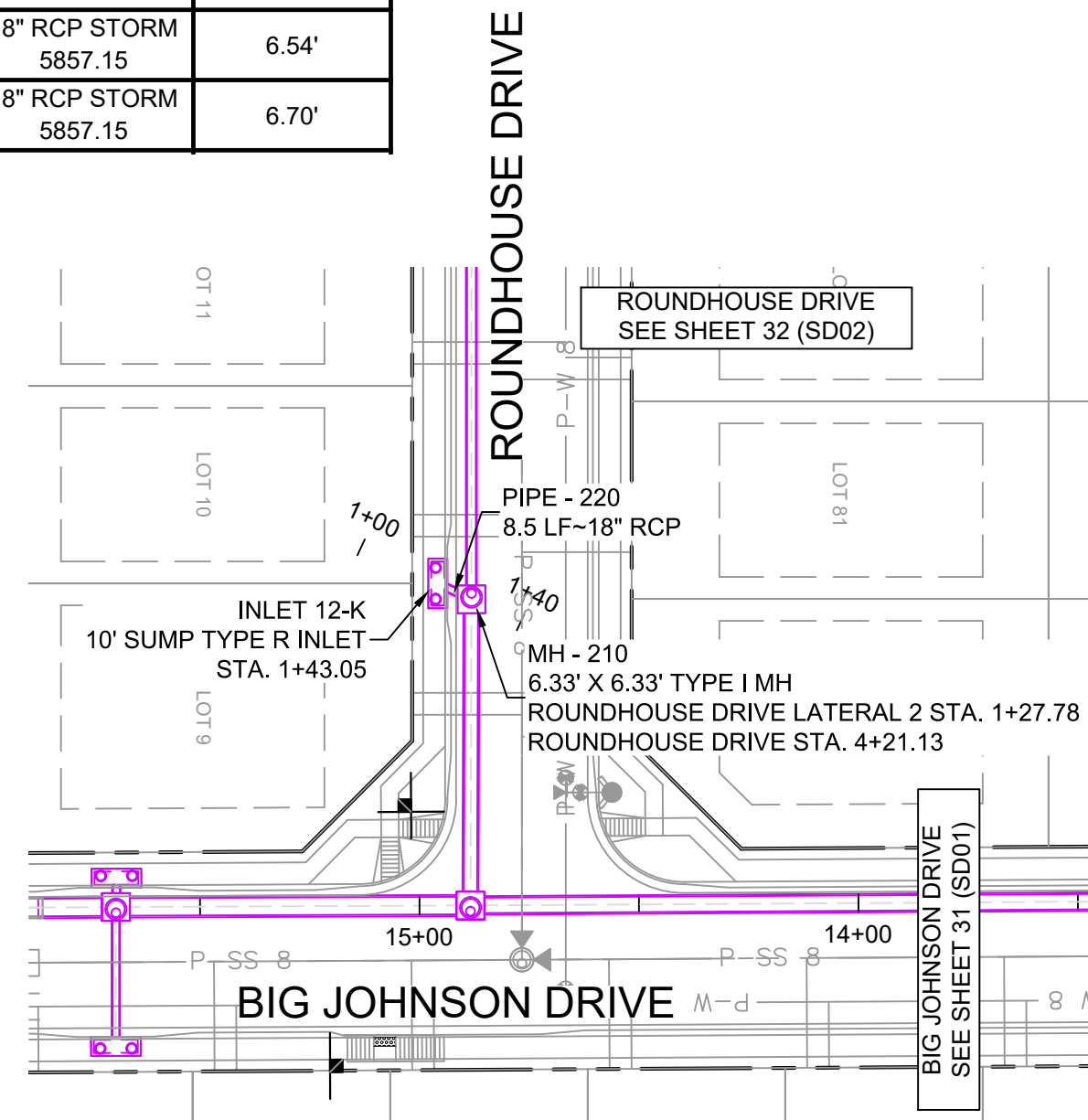
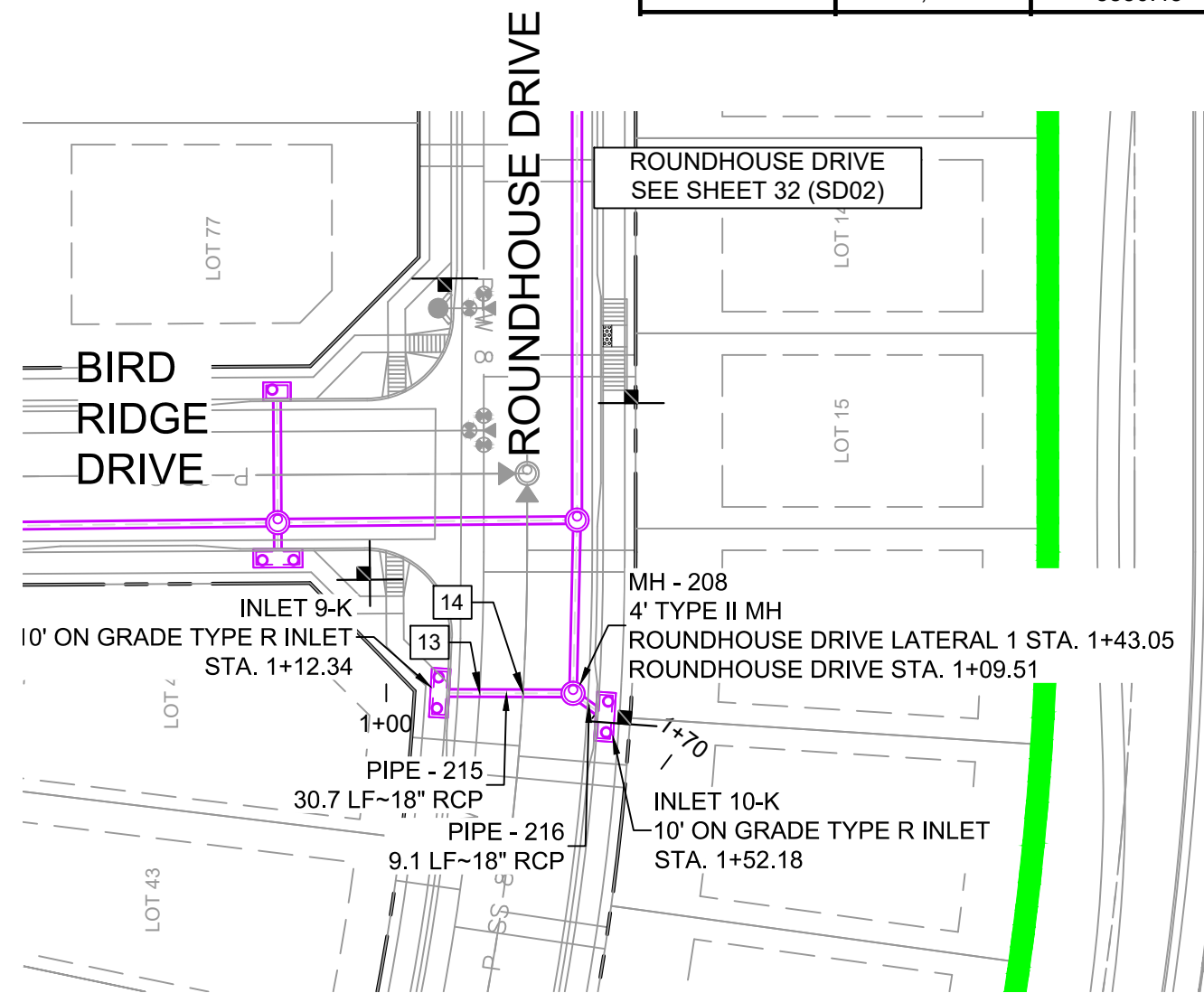
Know what's below. Call before you dig.



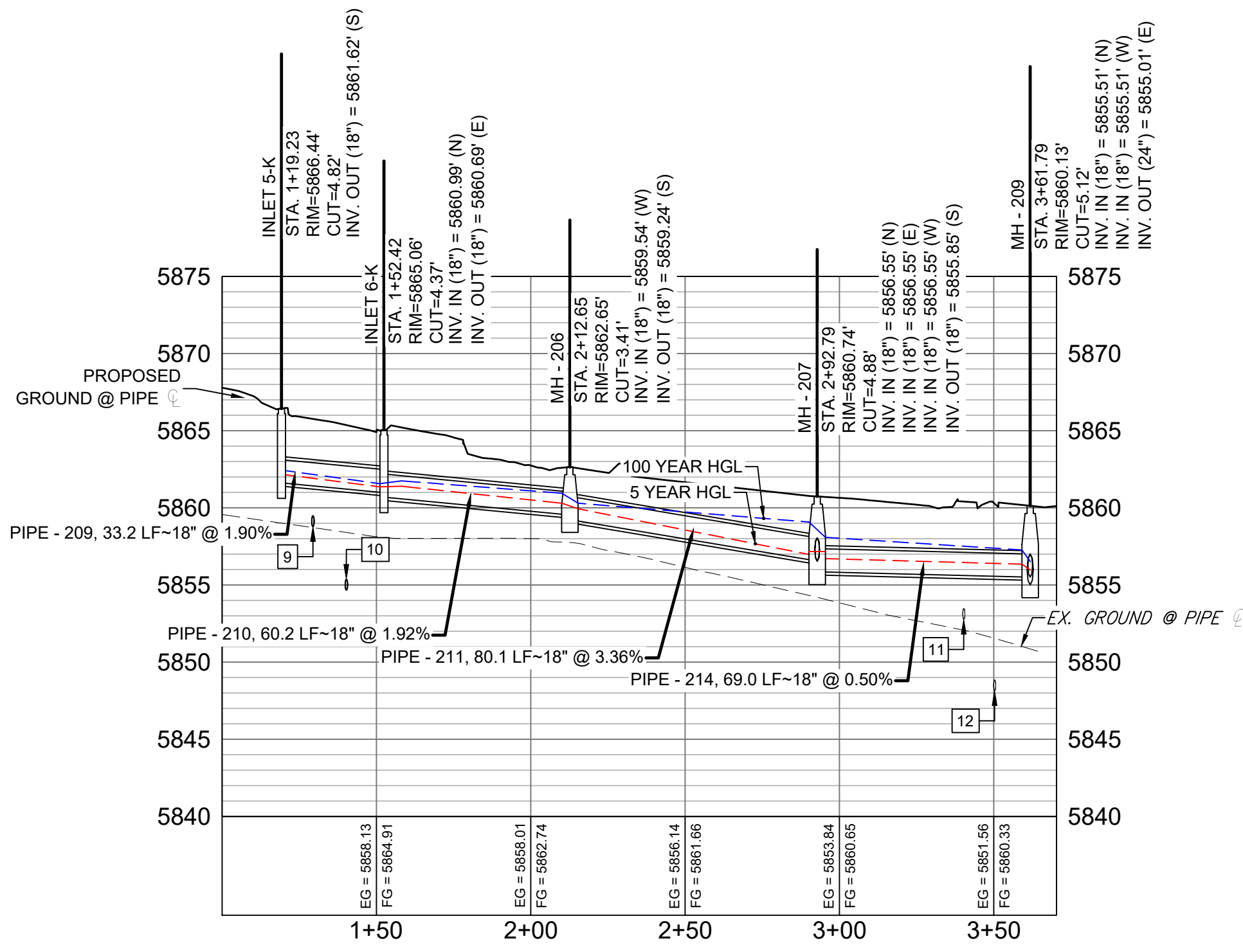
STORM CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
9	N 7,180.85 E 13,592.93	8" PVC WATER 5859.49	18" RCP STORM 5861.21	1.72'
10	N 7,170.32 E 13,595.93	8" PVC SAN 5855.37	18" RCP STORM 5861.01	5.64'
11	N 7,030.48 E 13,660.79	8" PVC WATER 5853.46	18" RCP STORM 5855.46	2.00'
12	N 7,020.48 E 13,660.87	8" PVC WATER 5848.85	18" RCP STORM 5855.36	6.51'
13	N 7,031.43 E 13,621.08	8" PVC WATER 5855.26	18" RCP STORM 5857.15	6.54'
14	N 7,021.42 E 13,621.05	8" PVC SAN 5850.45	18" RCP STORM 5857.15	6.70'



PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 209	N15°53'01"W	33.2'	1.90%	18" RCP
PIPE - 210	N89°25'04"W	60.2'	1.92%	18" RCP
PIPE - 211	N00°39'03"W	80.1'	3.36%	18" RCP
PIPE - 214	N00°30'47"W	69.0'	0.50%	18" RCP
PIPE - 215	N00°10'33"E	30.7'	0.50%	18" RCP
PIPE - 216	S36°19'36"W	9.1'	2.81%	18" RCP
PIPE - 220	S25°12'46"W	8.5'	6.00%	18" RCP

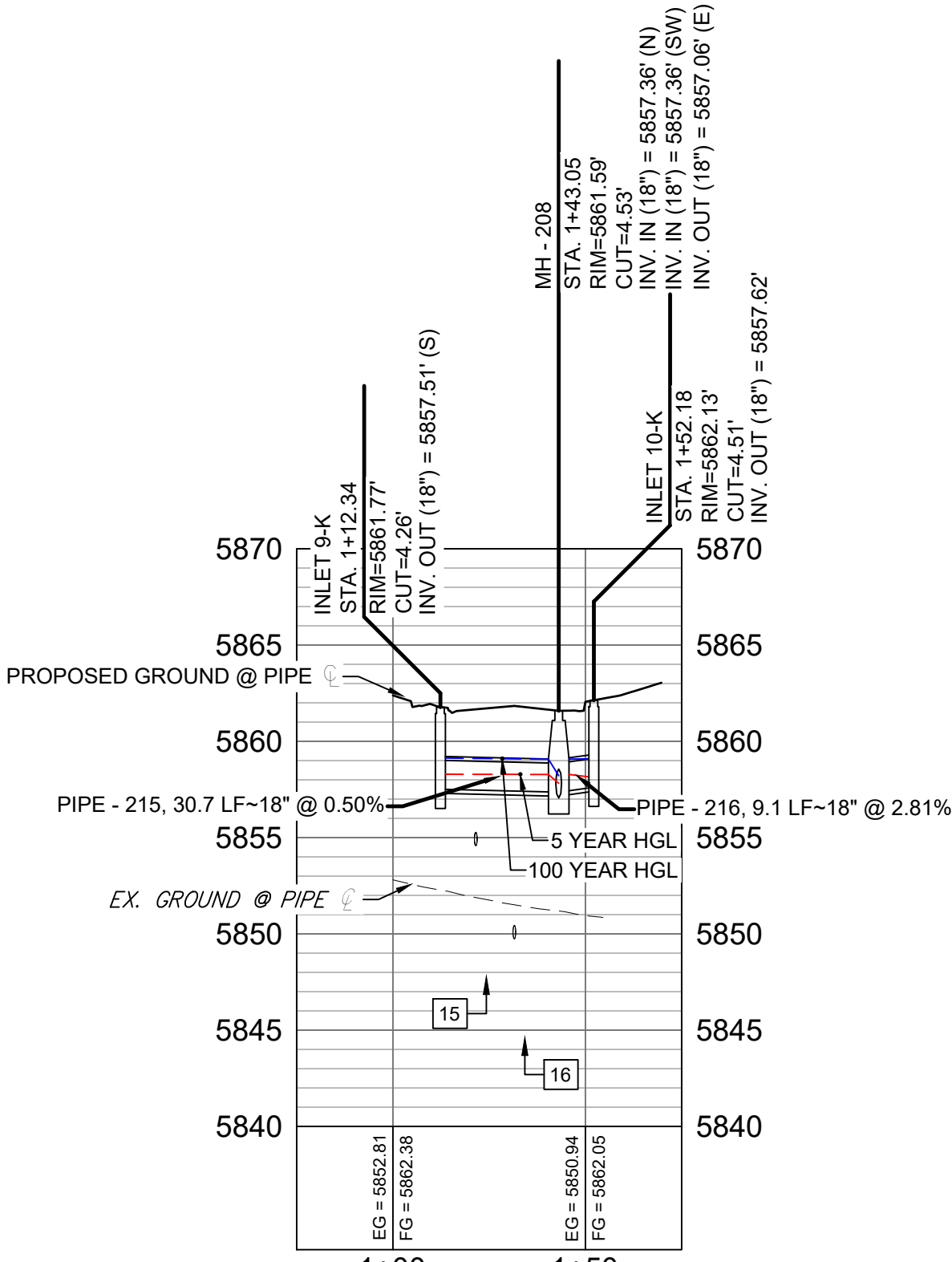


STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
INLET 5-K	10' ON GRADE TYPE R INLET	RIM = 5866.44 PIPE - 209 INV OUT (18") = 5861.62	N: 7190.66 E: 13590.15
INLET 6-K	10' ON GRADE TYPE R INLET	RIM = 5865.06 PIPE - 209 INV IN (18") = 5860.99 PIPE - 210 INV OUT (18") = 5860.69	N: 7158.73 E: 13599.23
INLET 9-K	10' ON GRADE TYPE R INLET	RIM = 5861.77 PIPE - 215 INV OUT (18") = 5857.51	N: 7040.61 E: 13621.11
INLET 10-K	10' ON GRADE TYPE R INLET	RIM = 5862.13 PIPE - 216 INV OUT (18") = 5857.62	N: 7002.54 E: 13615.61
INLET 12-K	10' SUMP TYPE R INLET	RIM = 5851.06 PIPE - 220 INV OUT (18") = 5847.16	N: 7001.32 E: 13929.02
MH - 206	4' TYPE II MH	RIM = 5862.65 PIPE - 210 INV IN (18") = 5859.54 PIPE - 211 INV OUT (18") = 5859.24	N: 7158.12 E: 13659.45
MH - 207	4' TYPE II (1) DROP MH	RIM = 5860.74 PIPE - 211 INV IN (18") = 5856.55 PIPE - 213 INV IN (18") = 5856.55 PIPE - 212 INV IN (18") = 5856.55 PIPE - 214 INV OUT (18") = 5855.85	N: 7077.98 E: 13660.36
MH - 208	4' TYPE II MH	RIM = 5861.59 PIPE - 216 INV IN (18") = 5857.36 PIPE - 217 INV IN (18") = 5855.51 PIPE - 218 INV OUT (18") = 5857.06	N: 7009.90 E: 13621.01
MH - 209	4' TYPE II MH	RIM = 5860.13 PIPE - 214 INV IN (18") = 5855.51 PIPE - 217 INV IN (18") = 5855.51 PIPE - 218 INV OUT (24") = 5855.01	N: 7008.98 E: 13660.98
MH - 210	6.33' X 6.33' TYPE I MH	RIM = 5850.62 PIPE - 220 INV IN (18") = 5846.65 PIPE - 218 INV IN (24") = 5846.15 PIPE - 221 INV OUT (36") = 5845.15	N: 7008.98 E: 13932.63



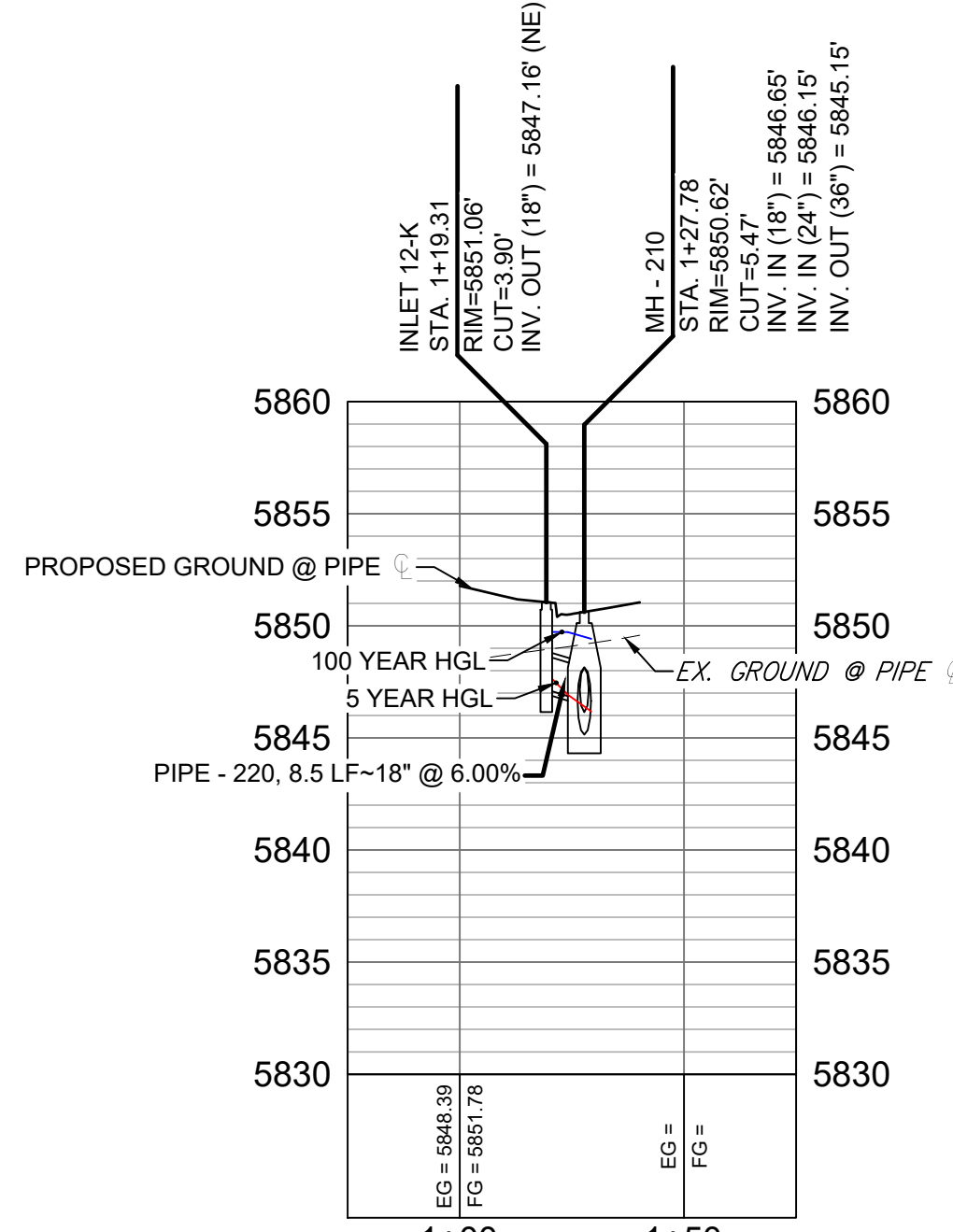
BEAR TRACK POINT & BIRD RIDGE DRIVE STORM PROFILE

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



ROUNDHOUSE DRIVE LATERAL 1 PROFILE

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



ROUNDHOUSE DRIVE LATERAL 2 PROFILE

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

- NOTES:
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REFERENCE DRAWINGS			
19-886-PR-UTIL X-886-PR STORM F1 19-886-PR-UTIL SANITARY 886-PR Legacy Drive GEC Titleblock X-886-PR SITE F1 X-886-PR SITE-FUTURE FILLS X-886-PR-UTIL-F2 X-886-PR SITE-F2 X-886-PR-CROSSINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.014 (Trails at Aspen Ridge - F2)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SD01.dwg			
PLOT DATE: November 8, 2019 1:29:06 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

SHEET KEY

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

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

PREPARED BY:

SEAL

**PRELIMINARY**  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

**TRAILS AT ASPEN RIDGE**

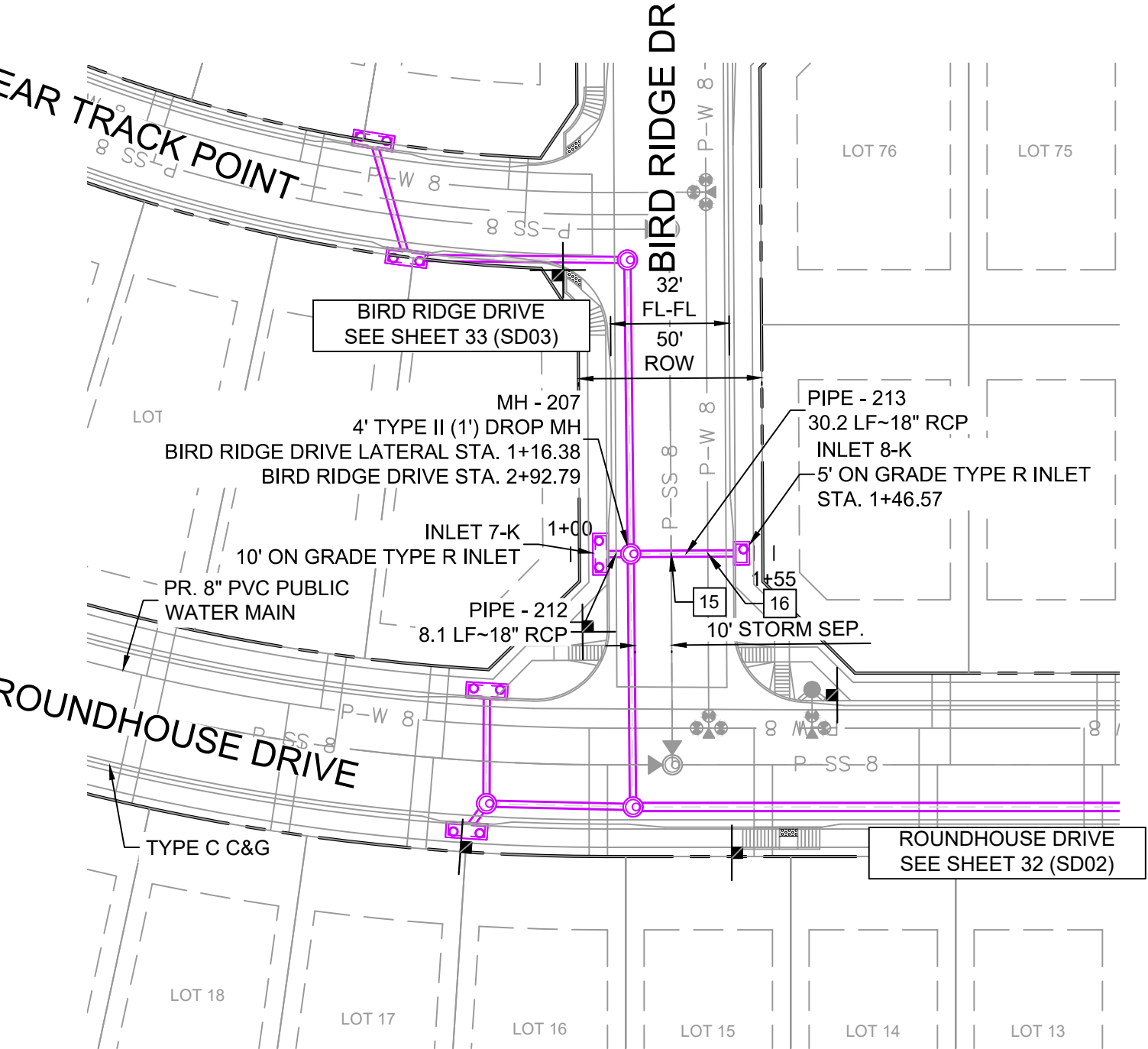
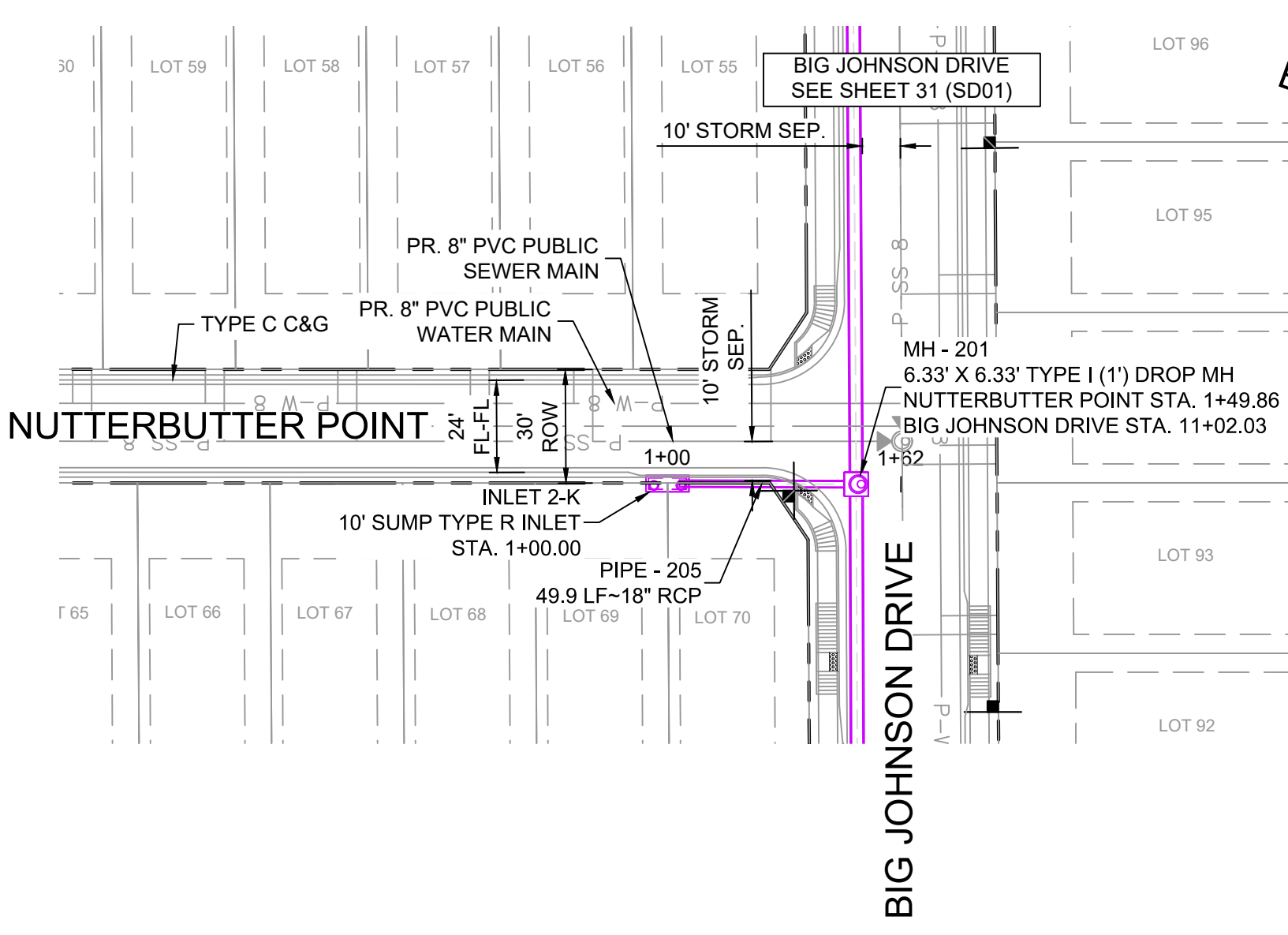
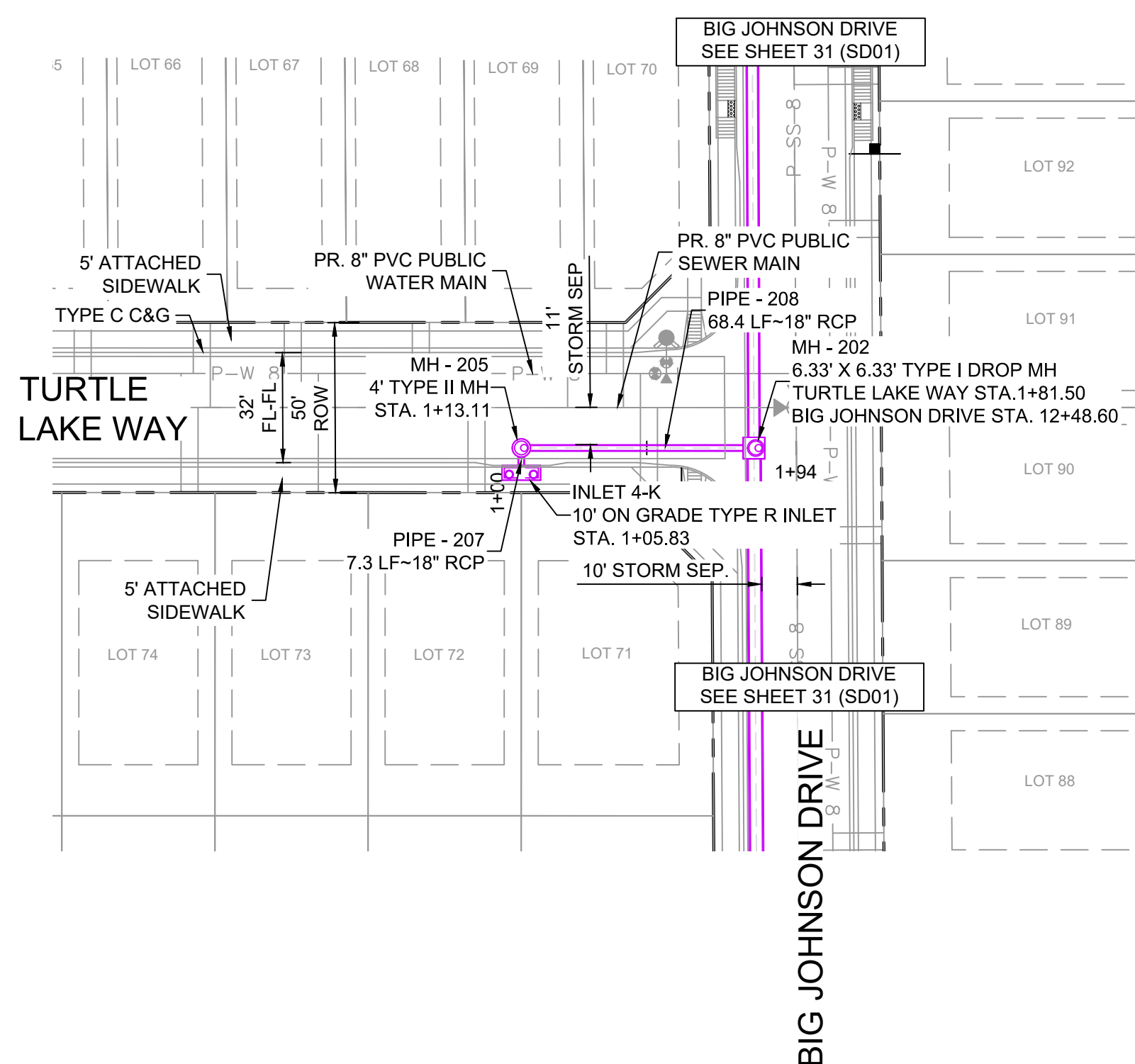
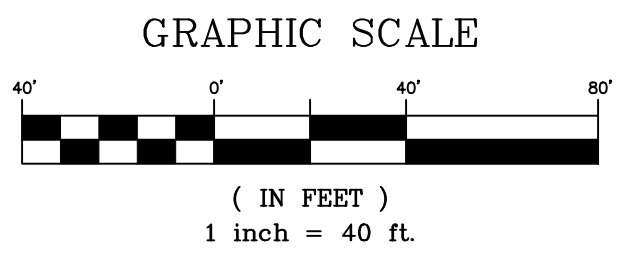
FILING NO. 2  
ROADWAY & STORM IMPROVEMENT PLANS

**STORM DRAIN PLAN & PROFILE**

DESIGNED BY: NMS	SCALE: HORIZ 1" = 40'	DATE ISSUED: NOVEMBER, 2019	DRAWING No. SD03
DRAWN BY: CRD	VERT. 1" = 8'	SHEET 33 OF 35	
CHECKED BY: NMS			



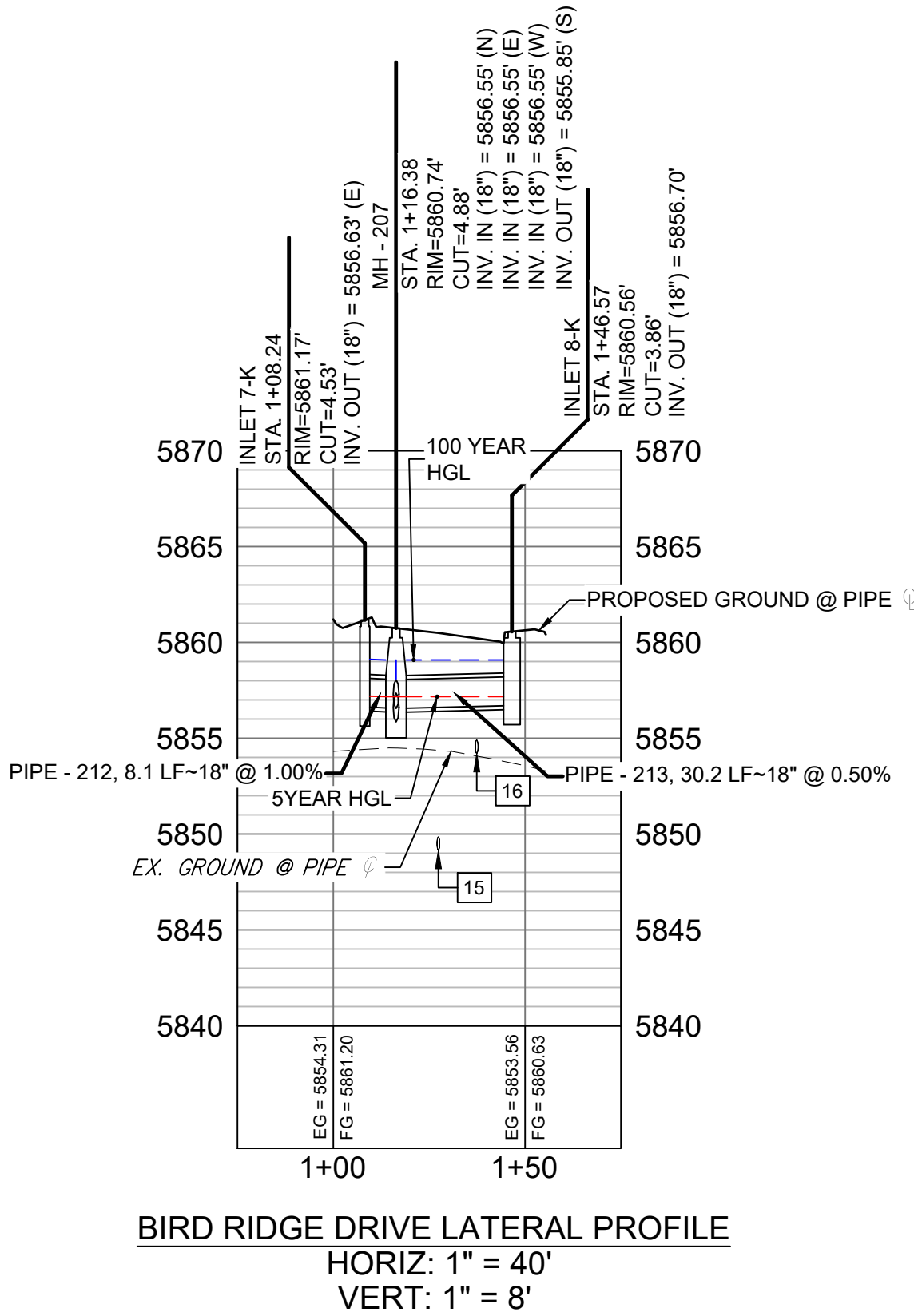
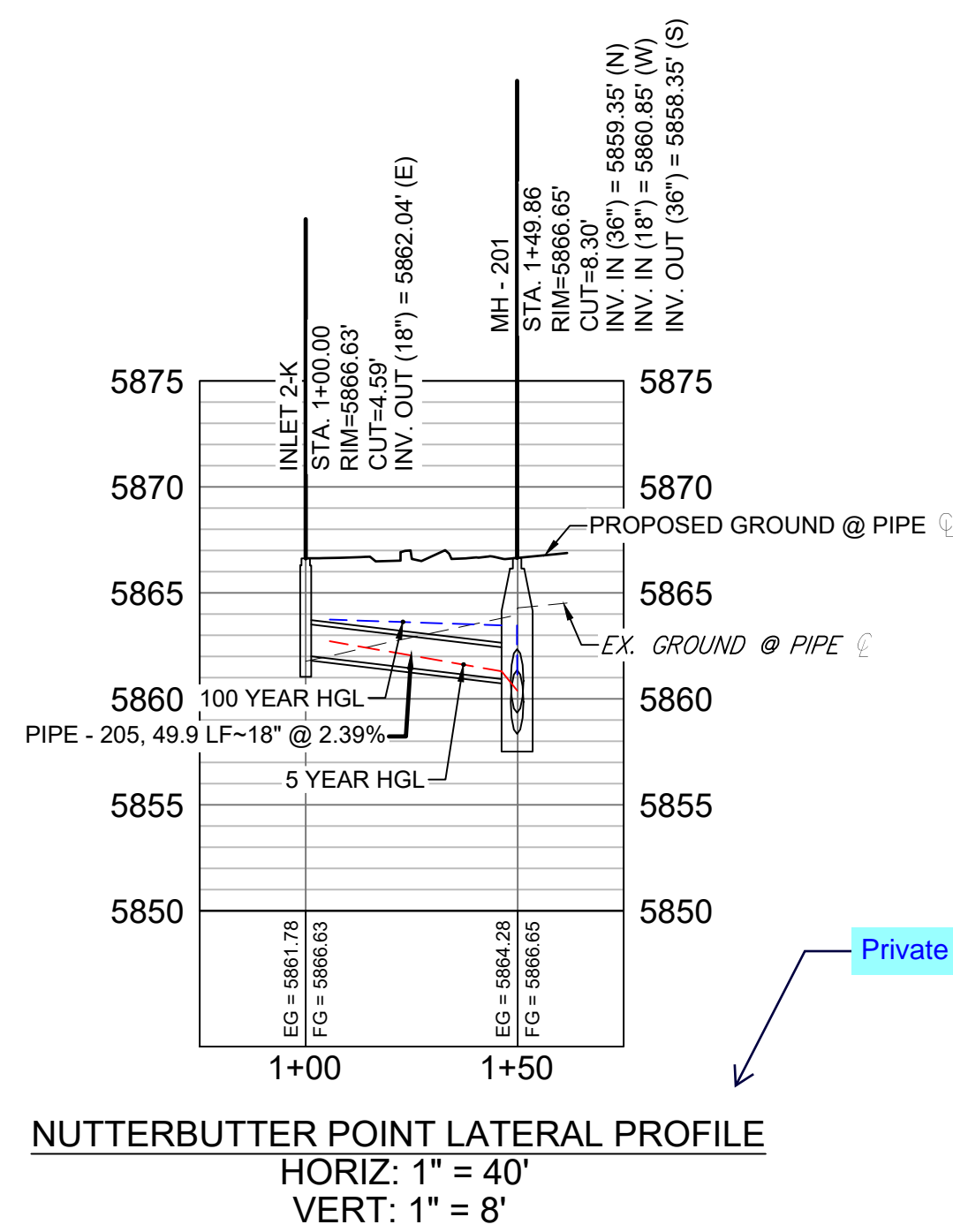
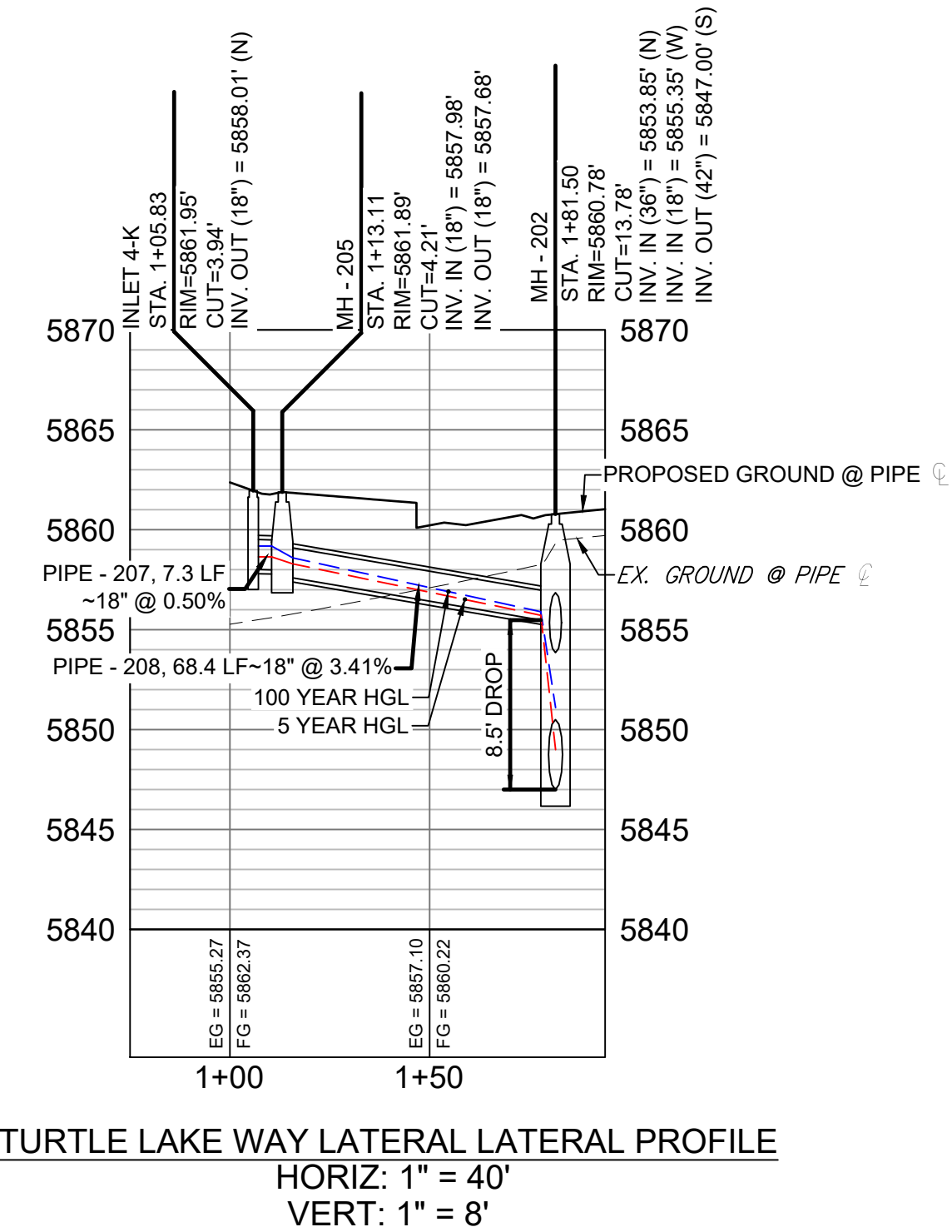
Know what's below. Call before you dig.



STORM CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
15	N 7,078.04 E 13,671.38	8" PVC SAN 5849.86	18" RCP STORM 5856.40	6.54'
16	N 7,078.10 E 13,681.38	8" PVC WATER 5854.91	18" RCP STORM 5856.45	1.54'

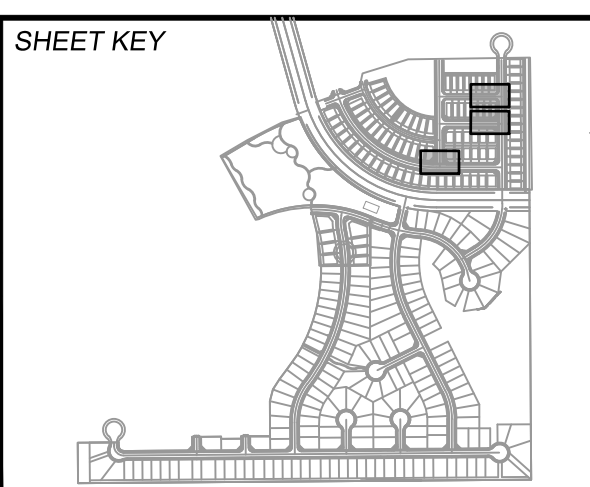
PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 205	N89°48'30"W	49.9'	2.39%	18" RCP
PIPE - 207	S00°03'05"E	7.3'	0.50%	18" RCP
PIPE - 208	N89°59'33"W	68.4'	3.41%	18" RCP
PIPE - 212	S89°39'17"W	8.1'	1.00%	18" RCP
PIPE - 213	N89°40'44"E	30.2'	0.50%	18" RCP

STRUCTURE TABLE				
NAME	TYPE	DETAILS	N & E	
INLET 2-K	10' SUMP TYPE R INLET	RIM = 5866.63 PIPE - 205 INV OUT (18") = 5862.04	N: 7395.29 E: 13950.45	
INLET 4-K	10' ON GRADE TYPE R INLET	RIM = 5861.95 PIPE - 207 INV OUT (18") = 5858.01	N: 7241.29 E: 13932.55	
INLET 7-K	10' ON GRADE TYPE R INLET	RIM = 5861.17 PIPE - 212 INV OUT (18") = 5856.63	N: 7077.93 E: 13652.21	
INLET 8-K	5' ON GRADE TYPE R INLET	RIM = 5860.56 PIPE - 213 INV OUT (18") = 5856.70	N: 7078.15 E: 13690.54	
MH - 201	6.33' X 6.33' TYPE I (1') DROP MH	RIM = 5866.65 PIPE - 200 INV IN (36") = 5859.35 PIPE - 205 INV IN (18") = 5860.85 PIPE - 201 INV OUT (36") = 5858.35	N: 7395.12 E: 14000.31	
MH - 202	6.33' X 6.33' TYPE I DROP MH	RIM = 5860.78 PIPE - 201 INV IN (36") = 5853.85 PIPE - 208 INV IN (18") = 5855.35 PIPE - 202 INV OUT (42") = 5847.00	N: 7248.56 E: 14000.93	
MH - 205	4' TYPE II MH	RIM = 5861.89 PIPE - 207 INV IN (18") = 5857.98 PIPE - 208 INV OUT (18") = 5857.68	N: 7248.56 E: 13932.54	
MH - 207	4' TYPE II (1') DROP MH	RIM = 5860.74 PIPE - 211 INV IN (18") = 5856.55 PIPE - 213 INV IN (18") = 5856.55 PIPE - 212 INV IN (18") = 5856.55 PIPE - 214 INV OUT (18") = 5855.85	N: 7077.98 E: 13660.36	



- 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.
  - PER THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL, MANHOLES SHALL BE INSTALLED 1/8" BELOW THE SURFACE OF THE PAVEMENT ON THE LOWEST SIDE OF THE MANHOLE.
  - SECTIONS OF STORM PIPE WITH PRESSURE HEAD DURING THE 100 YR STORM SHALL USE WATERTIGHT JOINTS WITH A 100 YR SERVICE LIFE PER ECM 3.3.1.B.2.

REFERENCE DRAWINGS		COMPUTER FILE MANAGEMENT	
19-886-PR-UTIL	X-886-PR-STORM-F1	FILE NAME:	S:\19.886.014 (Trails at Aspen Ridge - F2)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SD01.dwg
19-886-PR-UTIL	X-886-PR-UTIL_SANITARY	CTB FILE:	---
886-PR	Legacy Drive	PLOT DATE:	November 8, 2019 1:29:19 PM
GEC Titleblock		THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.	
X-886-PR-SITE-F1			
X-886-PR-UTIL-F2			
X-886-PR-SITE-F2			
X-886-PR-CROSSINGS			



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

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

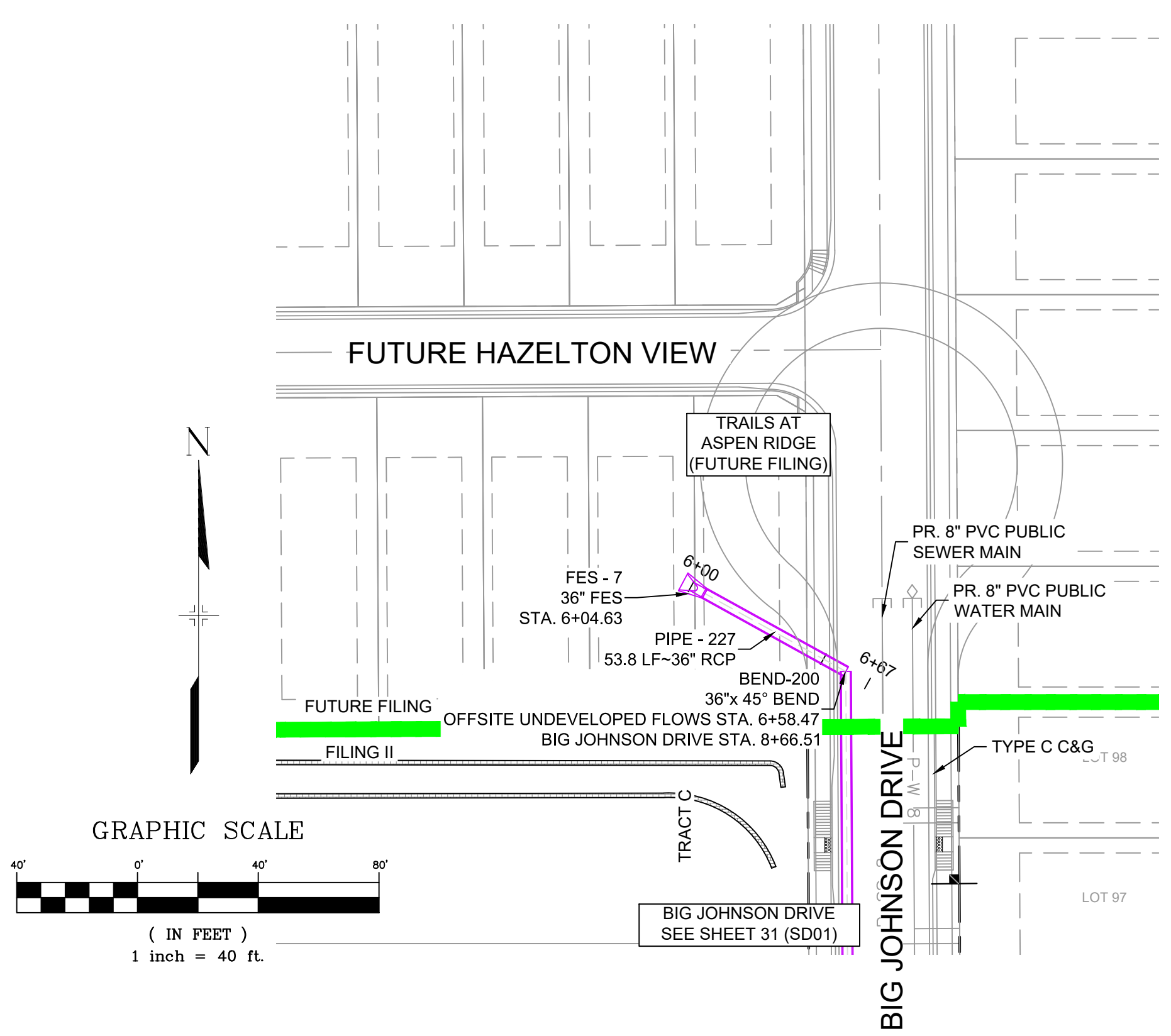
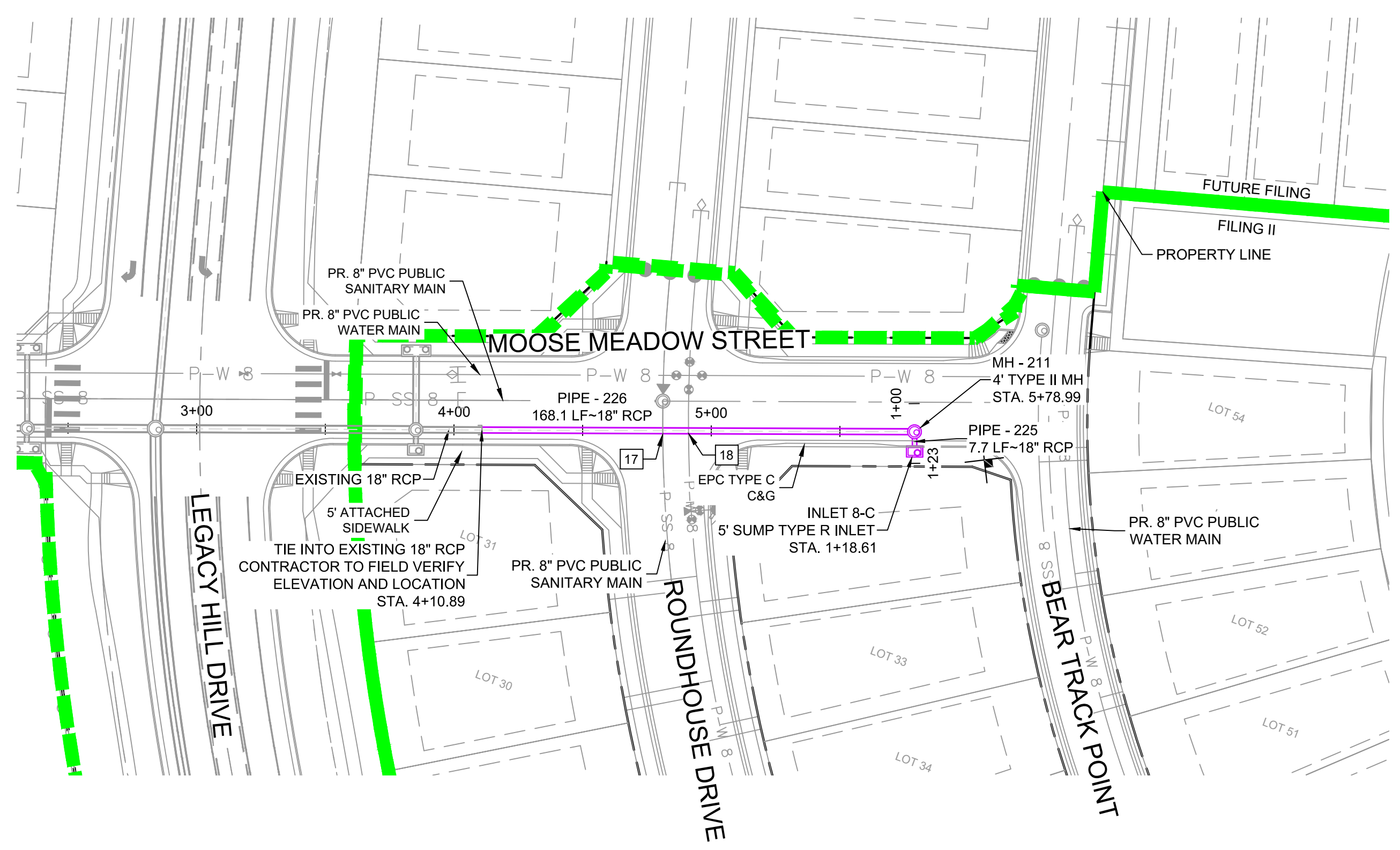
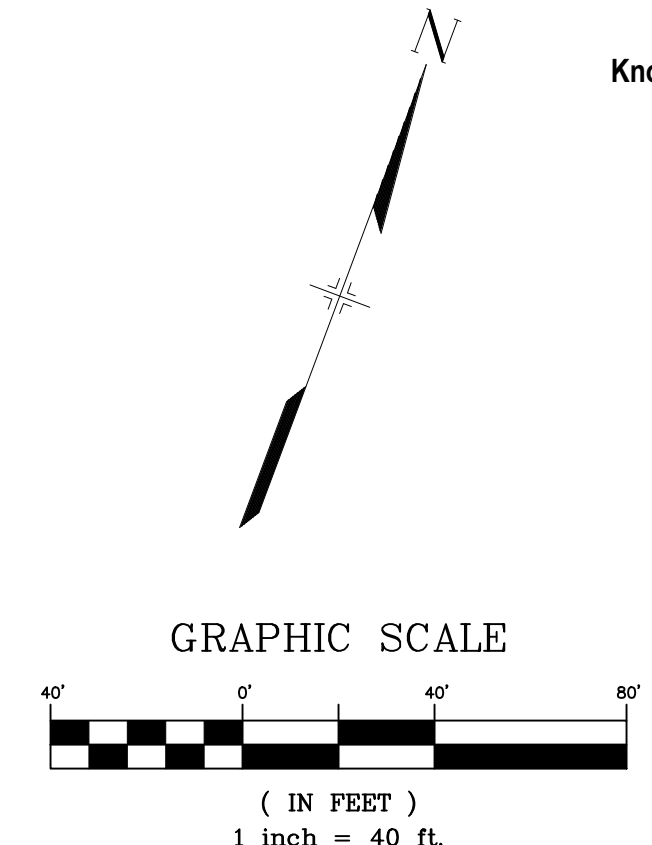


SEAL  
**PRELIMINARY**  
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TRAILS AT ASPEN RIDGE				
FILING NO. 2 ROADWAY & STORM IMPROVEMENT PLANS				
STORM DRAIN PLAN & PROFILE				
DESIGNED BY:	NMS	SCALE:	DATE ISSUED:	NOVEMBER, 2019
DRAWN BY:	CRD	HORIZ:	1" = 40'	DRAWING No.
CHECKED BY:	NMS	VERT:	1" = 8'	SD04
			SHEET	34 OF 35



Know what's below.  
Call before you dig.

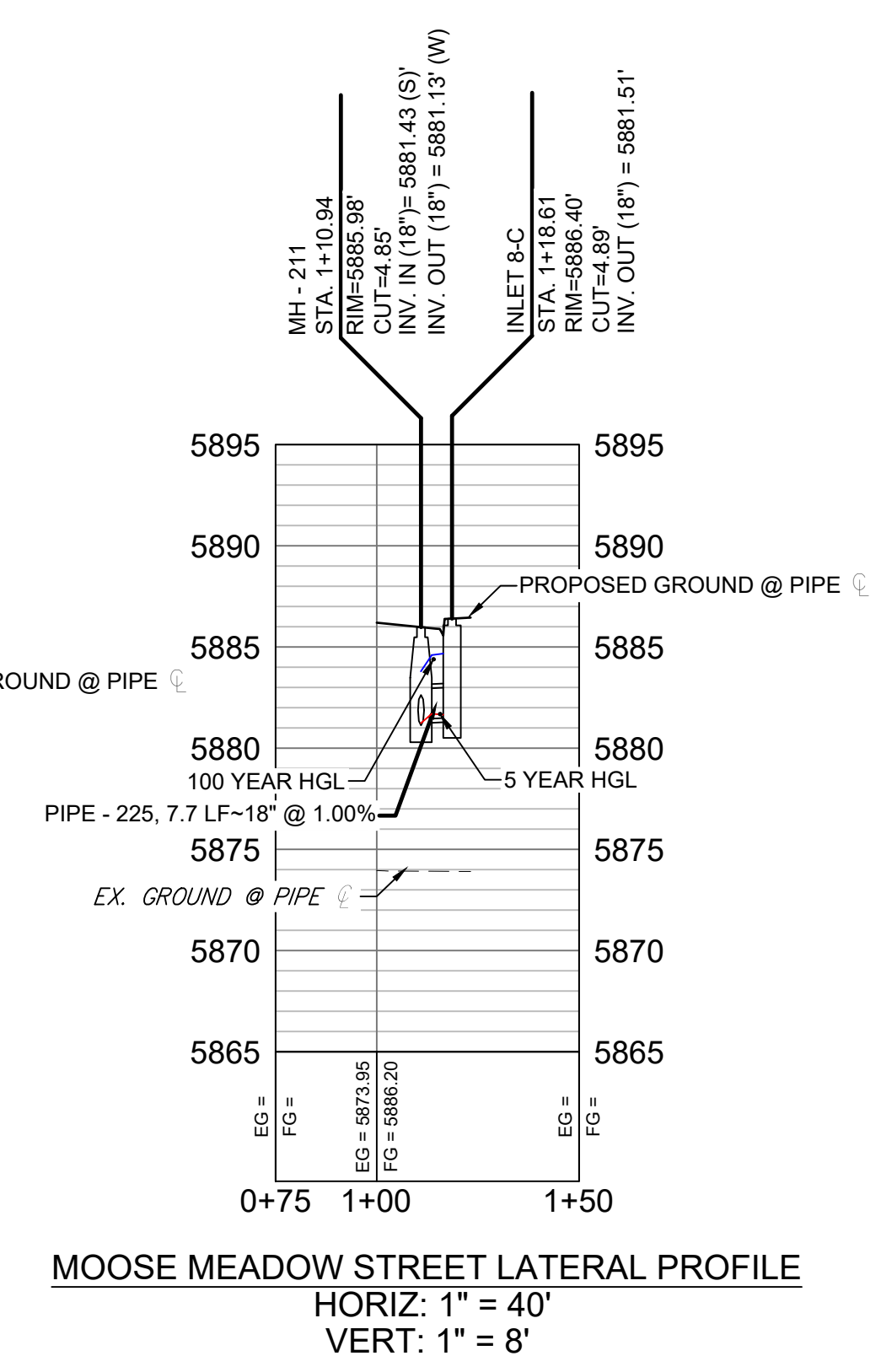
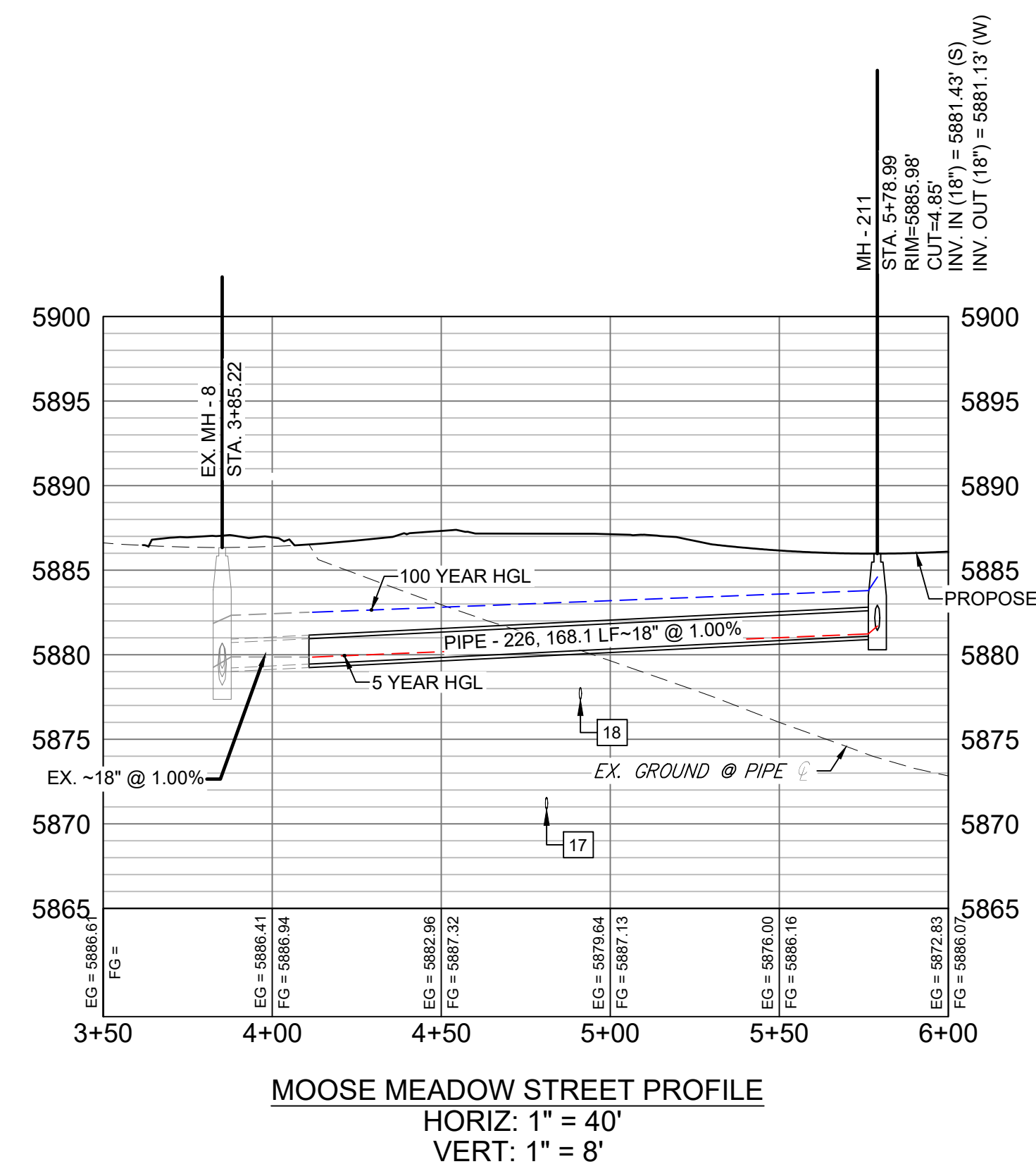
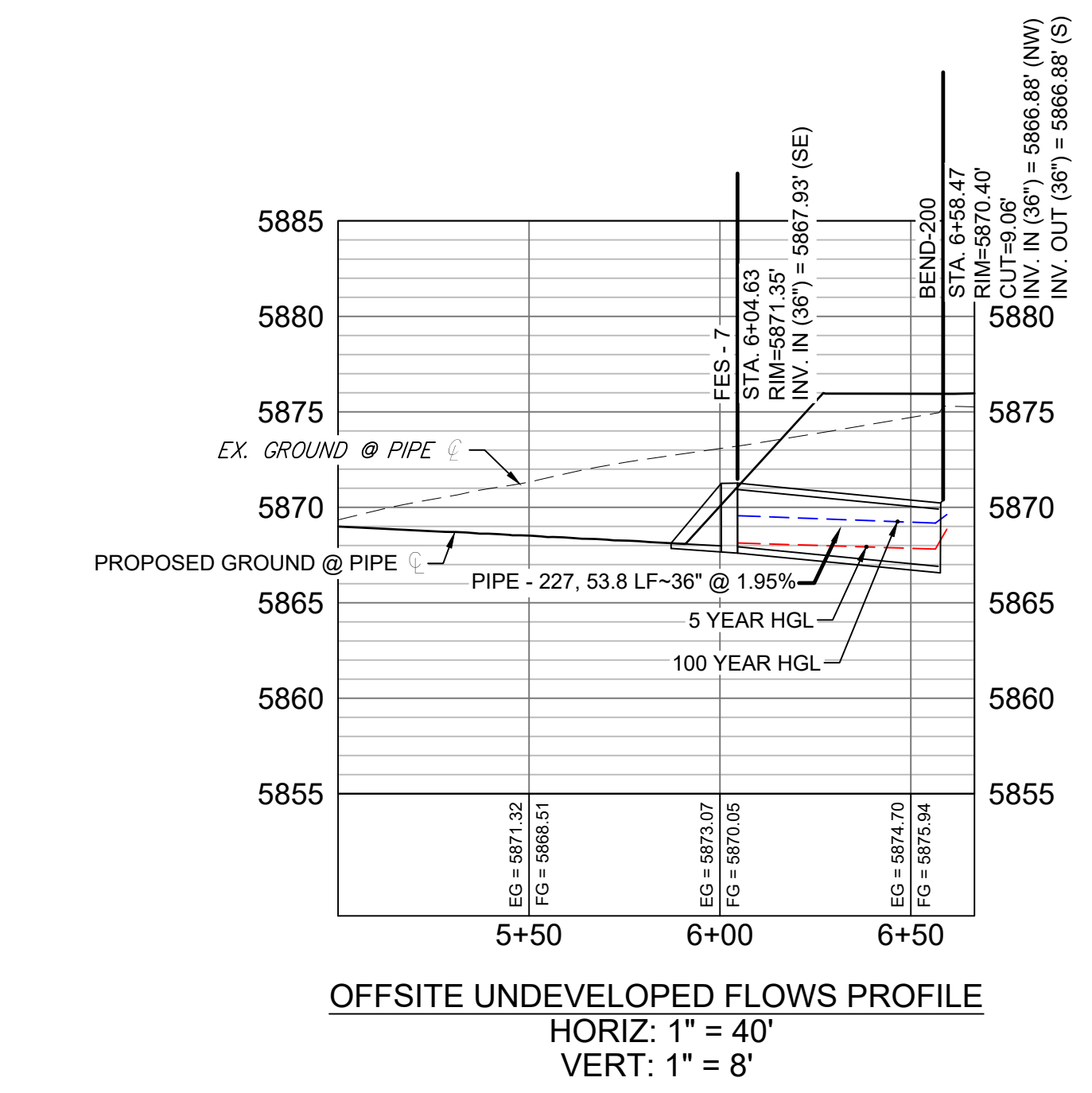


STORM CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
17	N 7,367.85 E 13,120.84	8" PVC SAN 5871.57	18" RCP STORM 5879.94	8.37'
18	N 7,391.32 E 13,130.24	8" PVC WATER 5878.04	18" RCP STORM 5880.04	2.00'

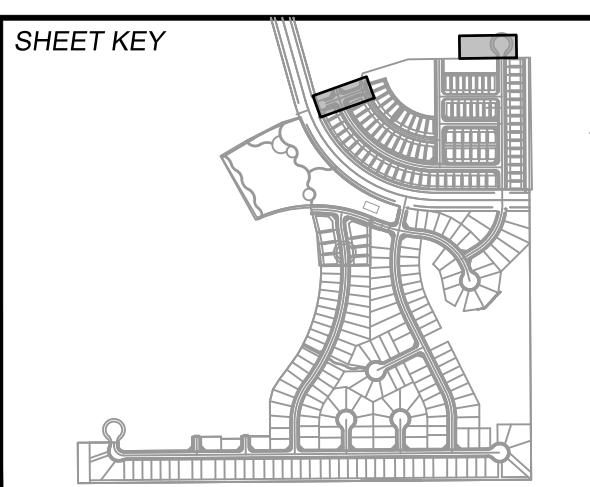
PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 225	S21°02'53"E	7.7'	1.00%	18" RCP
PIPE - 226	S69°45'39"W	168.1'	1.00%	18" RCP
PIPE - 227	N61°03'20"W	53.8'	1.95%	36" RCP

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
BEND-200	36"x 45" BEND	RIM = 5870.40 PIPE - 227 INV IN (36") = 5866.88 PIPE - 200 INV OUT (36") = 5866.88	N: 7630.64 E: 13998.89
FES - 7	36" FES	RIM = 5871.35 PIPE - 227 INV OUT (36") = 5867.93	N: 7656.70 E: 13951.78
INLET 8-C	5' SUMP TYPE R INLET	RIM = 5886.40 PIPE - 225 INV OUT (18") = 5881.51	N: 7414.56 E: 13215.39
MH - 211	4' TYPE II MH	RIM = 5885.98 PIPE - 225 INV IN (18") = 5881.43 PIPE - 226 INV OUT (18") = 5881.13	N: 7421.71 E: 13212.64

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No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.014 (Trails at Aspen Ridge - F2)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SD01.dwg			
CTB FILE: ---			
PLOT DATE: November 8, 2019 1:29:29 PM			
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**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
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PREPARED BY:  
**Matrix**

SEAL  
**PRELIMINARY**  
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**TRAILS AT ASPEN RIDGE**

FILING NO. 2  
ROADWAY & STORM IMPROVEMENT PLANS

**STORM DRAIN PLAN & PROFILE**

DESIGNED BY: NMS	SCALE: HORIZ 1" = 40'	DATE ISSUED: NOVEMBER, 2019	DRAWING No. SD05
DRAWN BY: CRD	VERT. 1" = 8'	SHEET 35 OF 35	
CHECKED BY: NMS			