

TRAILS AT ASPEN RIDGE - FILING NO. 3

EL PASO COUNTY, COLORADO

8" PUBLIC SANITARY MAIN PLANS

AUGUST 2021

SHEET No. 1



Know what's below.
Call before you dig.

| DWG No. | SHEET NAME | SHEET No. |
|-----------|---------------------------------------|-----------|
| TS01 | TITLE SHEET | 1 |
| GN01 | GENERAL NOTES, LEGEND & ABBREVIATIONS | 2 |
| SS01-SS10 | WASTEWATER PLAN & PROFILE | 3-12 |
| SS11-SS13 | SANITARY SERVICE PLAN | 13-15 |

| | |
|------------------------|--|
| OWNER/DEVELOPER | COLA, LLC 555 MIDDLE CREEK PARKWAY, SUITE 380 COLORADO SPRINGS, CO 80921 |
| CIVIL ENGINEER | MATRIX DESIGN GROUP 2435 RESEARCH PARKWAY, SUITE 300 COLORADO SPRINGS, CO 80920 |
| WATER & SANITARY SEWER | WIDEFIELD WATER AND SANITATION DISTRICT 8495 FONTAINE BOULEVARD COLORADO SPRINGS, CO 80925 ROBERT BANNISTER, (719) 390-7111 |
| ELECTRIC | MOUNTAIN VIEW ELECTRIC ASSOCIATION (719) 495-2283 |
| GAS | COLORADO SPRINGS UTILITIES 1521 HANCOCK EXPRESSWAY COLORADO SPRINGS, CO MARY HOAGLUND (719) 668-4083 |
| STREET | EL PASO COUNTY PUBLIC SERVICES DEPARTMENT (719) 520-6460 |
| DRAINAGE | EL PASO COUNTY PUBLIC SERVICES DEPARTMENT (719) 520-6460 |
| FIRE DEPARTMENT | SECURITY FIRE DEPARTMENT 400 SECURITY BOULEVARD SECURITY, CO 80911 (719) 392-7121 |

ENGINEER'S STATEMENT:

THIS GRADING AND EROSION CONTROL PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR GRADING AND EROSION CONTROL PLANS. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS REPORT.

NICOLE SCHANEL, PE #52434 DATE

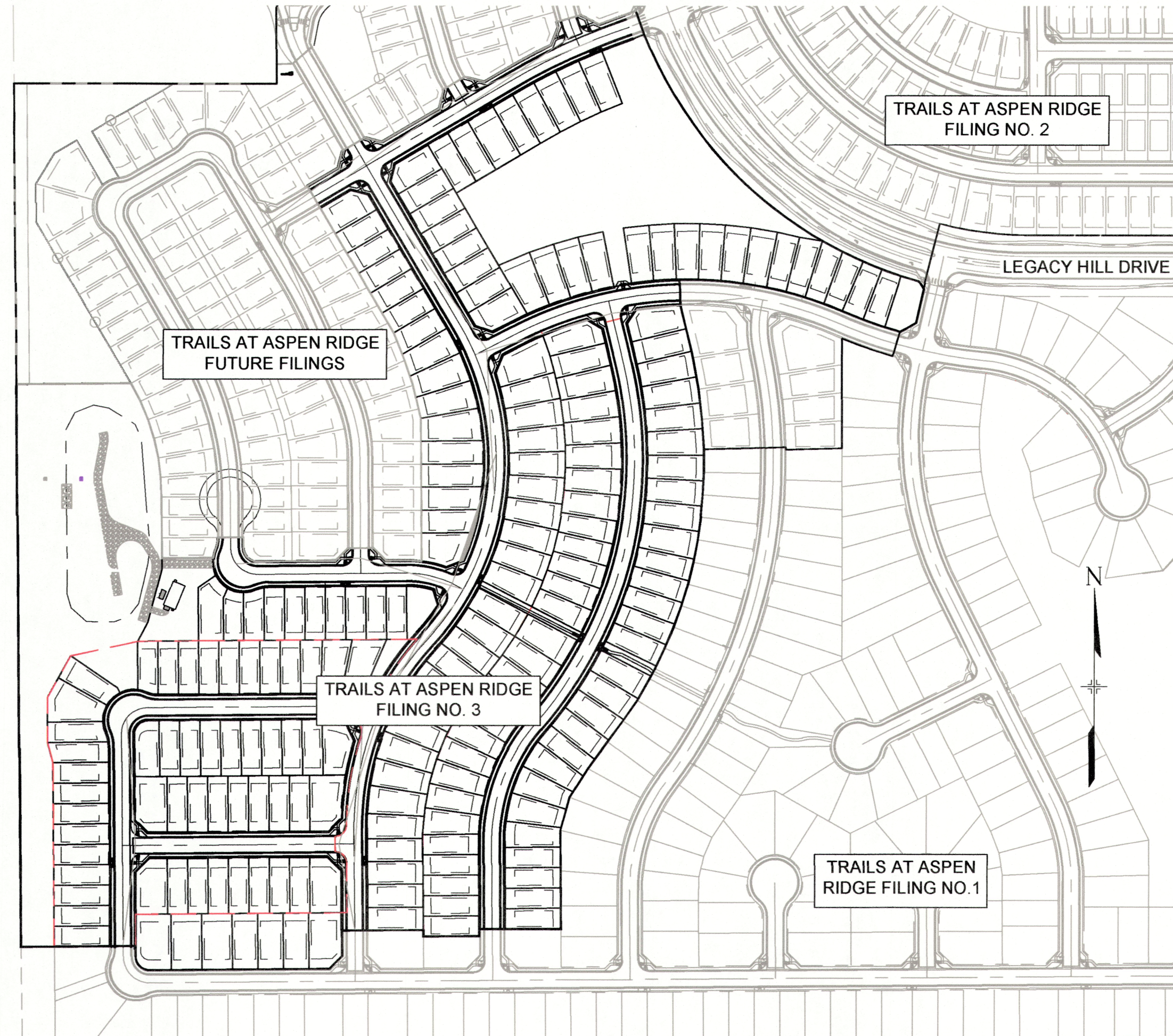
EL PASO COUNTY:

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



SITE MAP

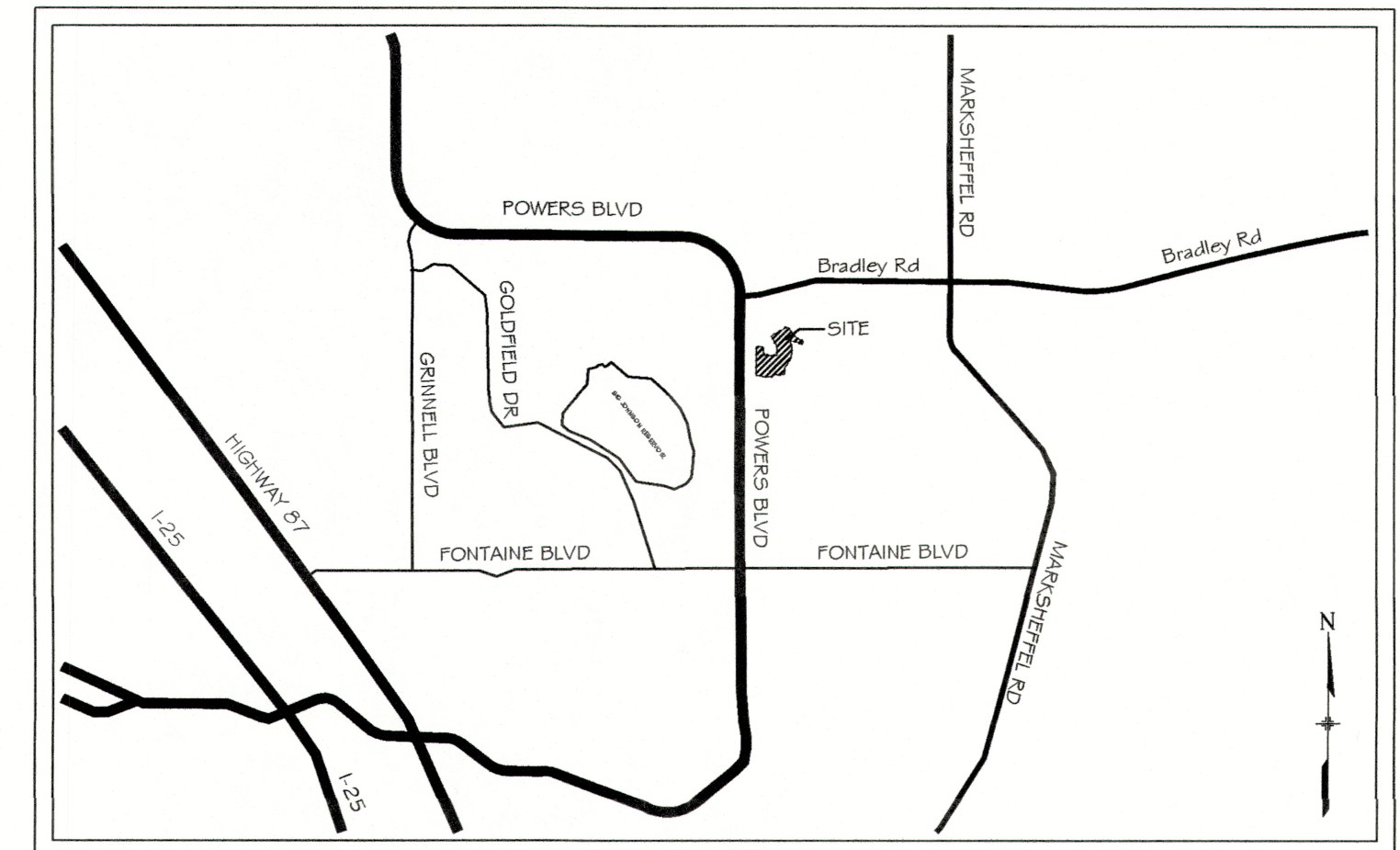
1" = 200'

OWNER'S STATEMENT:

I, THE OWNER/DEVELOPER HAVE READ AND COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN.

TIM BUSCHAR 8/17/21 DATE
DIRECTOR OF LAND ACQUISITION AND DEVELOPMENT

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.



VICINITY MAP
N.T.S.

DISTRICT APPROVALS:

THE WIDEFIELD WATER AND SANITATION DISTRICT RECOGNIZES THE DESIGN ENGINEER AS HAVING RESPONSIBILITY FOR THE DESIGN AND HAS LIMITED ITS SCOPE OF REVIEW ACCORDINGLY.

WIDEFIELD WATER AND SANITATION DISTRICT
WATER DESIGN APPROVAL

DATE: BY:

PROJECT NUMBER:

IN CASE OF ERRORS OR OMISSIONS WITH THE WATER DESIGN AS SHOWN ON THIS DOCUMENT THE STANDARDS AS DEFINED IN THE "RULES AND REGULATIONS FOR INSTALLATION OF WATER MAINS AND SERVICES" SHALL RULE.

APPROVAL EXPIRES 180 DAYS FROM DESIGN APPROVAL

WATER AND SANITARY SEWER APPROVAL

ANY CHANGES OR ALTERATIONS AFFECTING THE GRADE, ALIGNMENT, ELEVATION, AND/OR DEPTH OF COVER OF ANY WATER OR SEWER MAINS OR OTHER APPURTENANCE SHOWN ON THIS DRAWING SHALL BE THE RESPONSIBILITY OF THE OWNER/DEVELOPER. THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR ALL OPERATION DAMAGES AND DEFECTS IN INSTALLATION AND MATERIAL FOR MAINS AND SERVICES FROM THE DATE OF APPROVAL UNTIL FINAL ACCEPTANCE IS ISSUED.

SIGNED OWNER/DEVELOPER DATE

PRINT NAME

DBA

ADDRESS

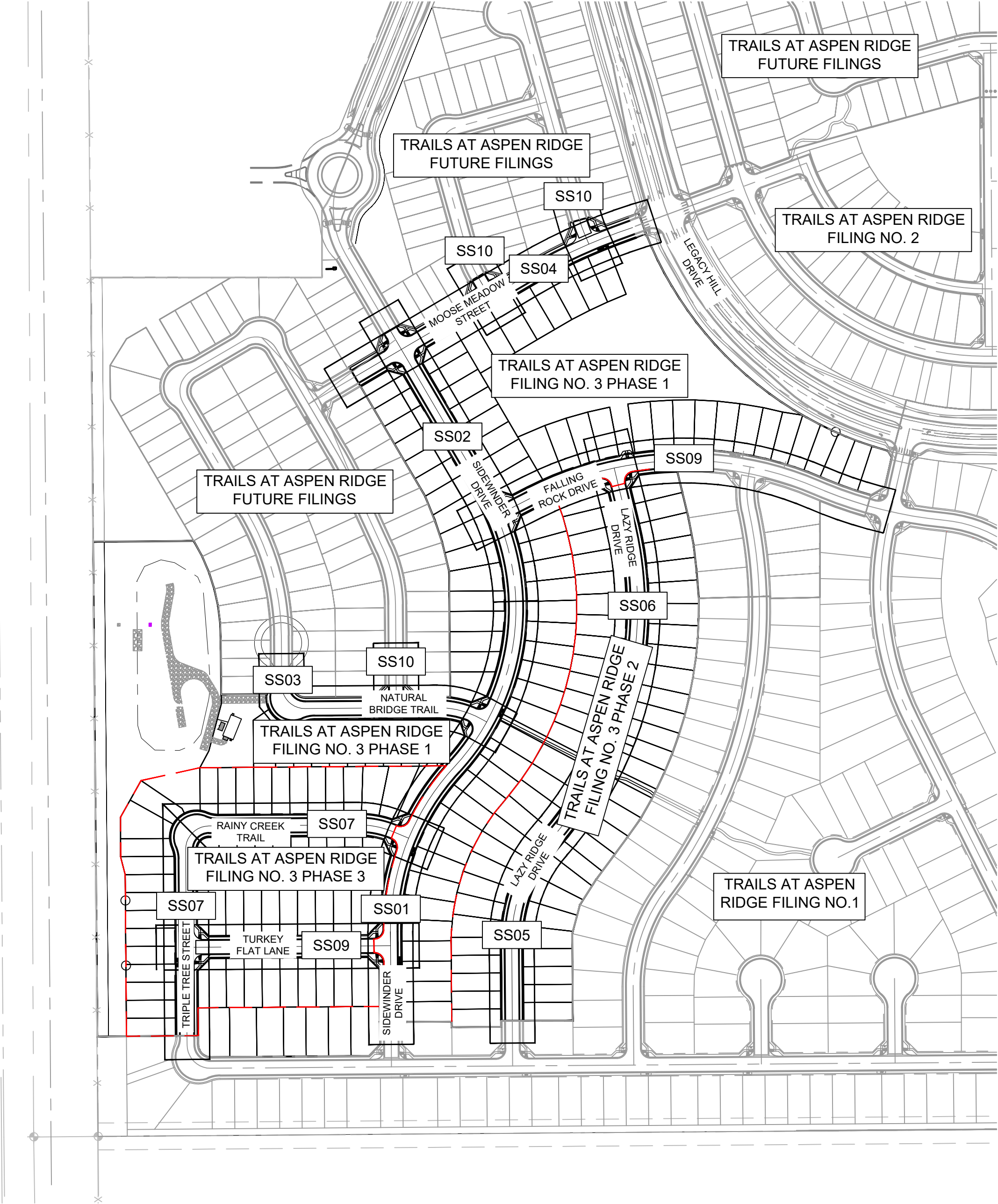
| REFERENCE DRAWINGS | No. | DATE | DESCRIPTION | BY |
|--|-----|------|-------------|----|
| COMPUTER FILE MANAGEMENT | | | | |
| FILE NAME: S:\20.886.028 (Trails F3)\100 Dwg\104 Plan Sets\Construction Plans\Utility Plans\Sanitary Plan\TS01.dwg | | | | |
| CTB FILE: Matrix(black).ctb | | | | |
| PLOT DATE: August 17, 2021 1:24:05 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 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 17864) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377) | | | | |
| PREPARED BY: Matrix | | | | |
| SEAL COLORADO LICENSED PROFESSIONAL ENGINEER NICOLE W. SCHANEL #2434 | | | | |
| FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 20.886.028 | | | | |
| DESIGNED BY: BAS SCALE DATE ISSUED: AUGUST 2021 DRAWING No. TS01 | | | | |
| DRAWN BY: BAS HORIZ N/A | | | | |
| CHECKED BY: NMS VERT. N/A SHEET 1 OF 15 | | | | |

WIDEFIELD WATER AND SANITATION DISTRICT GENERAL NOTES

- ALL UTILITY CONSTRUCTION TO BE CONDUCTED IN CONFORMANCE WITH THE CURRENT WIDEFIELD WATER AND SANITATION DISTRICT SPECIFICATIONS. COMPACTION REQUIREMENTS SHALL BE 95% STANDARD PROCTOR AS DETERMINED BY ASTM D698, UNLESS OTHERWISE APPROVED BY THE WIDEFIELD WATER AND SANITATION DISTRICT OR A HIGHER STANDARD IS IMPOSED BY ANOTHER AGENCY HAVING RIGHT-OF-WAY JURISDICTION.
- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE WIDEFIELD WATER AND SANITATION DISTRICT. THE WIDEFIELD WATER AND SANITATION DISTRICT RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
- THE DEVELOPER OR HIS ENGINEER HAS LOCATED ALL FIRE HYDRANTS AND FUTURE SERVICE STUBS. ANY REQUIRED REALIGNMENT, EITHER HORIZONTAL OR VERTICAL, SHALL BE AT THE EXPENSE OF THE DEVELOPER.
- ALL DUCTILE IRON PIPE, TO INCLUDE FITTINGS, VALVES AND FIRE HYDRANTS WILL BE WRAPPED WITH POLYETHYLENE TUBING, AND ELECTRICALLY ISOLATED.
- ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE DOUBLE BONDED. SPECIFICATIONS FOR CATHODIC PROTECTION ON BOTH DIP MAINS AND PVC MAINS IS SPECIFIED IN THE STANDARDS AND SPECIFICATIONS.
- PVC MAIN LINES SHALL BE INSTALLED WITH COATED NO. 12 TRACER WIRE.
- THE CONTRACTOR IS REQUIRED TO NOTIFY THE WIDEFIELD WATER AND SANITATION DISTRICT (390-7111) A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO NOTIFY AFFECTED UTILITY COMPANIES 48 HOURS PRIOR TO CONSTRUCTION ADJACENT TO THE KNOWN UTILITY LINES.
- THE LOCATION OF ALL UTILITIES AS SHOWN ON THESE DRAWINGS ARE APPROXIMATE ONLY. THE LOCATION OF ALL UTILITIES SHALL BE VERIFIED PRIOR TO CONSTRUCTION BY THE CONTRACTOR.
- THE CONTRACTOR SHALL FIELD EXCAVATE AND VERIFY THE VERTICAL AND HORIZONTAL LOCATION OF ALL TIE-INS. CONTRACTOR SHALL NOTIFY THE WIDEFIELD WATER AND SANITATION DISTRICT AND THE ENGINEER OF THE FIELD VERIFIED INFORMATION PRIOR TO CONSTRUCTION.
- ALL BENDS SHALL BE FIELD STAKED PRIOR TO CONSTRUCTION.
- ANY WATER UTILITY MATERIAL REMOVED AND NOT REUSED SHALL BE RETURNED TO THE WIDEFIELD WATER AND SANITATION DISTRICT IF THE DISTRICT SO REQUESTS.
- THE CONTRACTOR SHALL AT HIS EXPENSE SUPPORT AND PROTECT ALL UTILITY MAINS SO THAT THEY WILL FUNCTION CONTINUOUSLY DURING CONSTRUCTION. SHOULD A UTILITY MAIN FAIL AS A RESULT OF THE CONTRACTOR'S OPERATION, IT WILL BE REPLACED IMMEDIATELY BY EITHER THE CONTRACTOR OR THE WIDEFIELD WATER AND SANITATION DISTRICT AT FULL COST OF LABOR AND MATERIALS TO THE CONTRACTOR.
- ANY PUMPING OR BYPASS OPERATIONS MUST BE REVIEWED AND APPROVED PRIOR TO EXECUTION BY BOTH THE WIDEFIELD WATER AND SANITATION DISTRICT AND THE ENGINEER.
- CONTRACTOR MUST REPLACE OR REPAIR ANY DAMAGE TO ALL SURFACE IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO FENCES, CURB AND GUTTER AND/OR ASPHALT THAT MAY BE CAUSED DURING CONSTRUCTION.
- ALL WATER LINES 6" AND LARGER, AND ALL SEWER LINES 8" AND LARGER, SHALL HAVE AS "AS-BUILT" PLANS PREPARED AND APPROVED PRIOR TO FINAL ACCEPTANCE BY THE WIDEFIELD WATER AND SANITATION DISTRICT.
- PRIOR TO CONSTRUCTION, A PRE-CONSTRUCTION CONFERENCE IS REQUIRED A MINIMUM OF 72 HOURS IN ADVANCE OF COMMENCEMENT OF WORK. TO SET THE PRE-CONSTRUCTION CONFERENCE, CONTACT BRANDON BERNARD-WATER DIVISION MANAGER AND/OR JASON DREESEN, WASTEWATER DIVISION MANAGER AT (719)955-0548 OF THE WIDEFIELD WATER AND SANITATION DISTRICT FOR A TIME. NO PRE-CONSTRUCTION CONFERENCE TIMES WILL BE SET UNTIL 4 SETS OF SIGNED DRAWINGS ARE RECEIVED BY THE WIDEFIELD W & S DISTRICT. PRE-CONSTRUCTION DATE/INITIALS _____.

| ABBREVIATIONS | |
|---------------|--|
| ASSY | ASSEMBLY |
| BOP | BOTTOM OF PIPE |
| BOV | BLOWOFF ASSEMBLY AND VALVE |
| CPGL | COUPLING |
| (INS.) | (INSULATING) |
| (RED.) | (REDUCING) |
| (STR.) | (STRAIGHT) |
| CRA | CONCRETE REVERSE ANCHOR |
| CTRB | CONCRETE THRUST REACTION BLOCK |
| DEFL | DEFLECT |
| DIP | DUCTILE IRON PIPE |
| EL | ELEVATION |
| EX | EXISTING |
| FLG | FLANGE |
| FH | FIRE HYDRANT |
| GPM | GALLONS PER MINUTE |
| GRD BRK | V.P.I. GRADE BREAK |
| HYD ASSY | INCLUDES FIRE HYDRANT, LATERAL, VALVE, TIE RODS, AND REVERSE ANCHOR. |
| INV | INVERT |
| LT | LEFT OF CENTER LINE |
| MIN | MINIMUM |
| MJ | MECHANICAL JOINT |
| N.S.E.W | NORTH,SOUTH,EAST, WEST |
| PL | PROPERTY LINE |
| PSI | POUNDS PER SQUARE INCH |
| PVC | POLYVINYL CHLORIDE PIPE |
| RCP | REINFORCED CONCRETE PIPE |
| RED | REDUCER |
| RSNTS | MJ RESTRAINT (i.e. MEGALUG) |
| RT | RIGHT OF CENTER LINE |
| SJ | SLIP JOINT |
| SS | SANITARY SEWER |
| STA | STATION |
| STS | STORM SEWER |
| TOP | TOP OF PIPE |
| TYP | TYPICAL |
| WL | WATER LINE |

| LEGEND | |
|--------|-----------------------|
| | VALVE (PROPOSED) |
| | VALVE (EXISTING) |
| | BLOWOFF (PROPOSED) |
| | BLOWOFF (EXISTING) |
| | PLUG (PROPOSED) |
| | PLUG (EXISTING) |
| | EXISTING FIRE HYDRANT |
| | PROPOSED FIRE HYDRANT |
| | PROPERTY LINE |
| | CURB LINE |
| | EXISTING GAS MAIN |
| | EXISTING WATER |
| | PROPOSED WATER |
| | EXISTING STORM DRAIN |
| | PROPOSED STORM DRAIN |
| | EXISTING SAN. SEWER |
| | PROPOSED SAN. SEWER |
| | EXISTING MANHOLE |
| | PROPOSED MANHOLE |
| | MATCHLINE |
| | PHASE LINE |



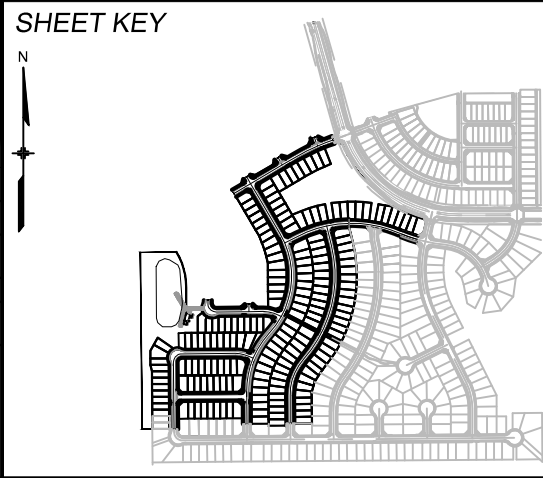
OVERALL LAYOUT

SCALE: 1" = 200'



| UTILITY CROSSING DETAILS | | | | |
|--------------------------|-------------------------|-------------------------|--------------------------|------------|
| CROSSING # | N & E | TOP OF PIPE | BTM OF PIPE | VERT. SEP. |
| 1 | N 5688.22 E 12330.98 | 8" PVC SEWER 5859.82 | 18" RCP STORM 5875.14 | 15.32' |
| 2 | N 5716.39 E 12330.76 | 8" PVC SEWER 5860.51 | 8" PVC WATER 5873.05 | 12.54' |
| 3 | N 5955.33 E 12375.11 | 8" PVC SEWER 5866.51 | 8" PVC WATER 5879.02 | 12.51' |
| 4 | N 6196.45 E 12540.16 | 8" PVC SEWER 5867.98 | 12" PVC WATER 5881.63 | 13.65' |
| 5 | N 7043.98 E 12349.93 | 8" PVC SEWER 5893.78 | 8" PVC WATER 5904.09 | 10.31' |
| 6 | N 6249.55 E 12088.53 | 8" PVC SEWER 5871.33 | 36" RCP STORM 5874.14 | 2.81' |
| 7 | N 6235.29 E 12098.97 | 8" PVC SEWER 5870.90 | 8" PVC WATER 5877.52 | 6.62' |
| 8 | N 6235.29 E 12193.58 | 8" PVC SEWER 5870.42 | 24" RCP STORM 5870.15 | 6.73' |
| 9 | N 6236.58 E 12353.72 | 8" PVC SEWER 5869.32 | 8" PVC WATER 5880.15 | 10.83' |
| 10 | N 7265.76 E 12762.69 | 8" PVC SEWER 5878.46 | 24" RCP STORM 5880.38 | 1.92' |
| 11 | N 6115.04 E 12801.82 | 8" PVC SEWER 5859.90 | 18" RCP STORM 5867.58 | 7.68' |
| 12 | N 6425.98 E 12860.82 | 8" PVC SEWER 5863.22 | 18" RCP STORM 5872.19 | 8.97' |
| 13 | N 5692.89 E 11875.92 | 8" PVC SEWER 5862.82 | 18" RCP STORM 5870.52 | 7.70' |
| 14 | N 5744.86 E 11875.52 | 8" PVC SEWER 5863.64 | 18" RCP STORM 5870.36 | 6.72' |
| 15 | N 5898.88 E 11874.33 | 8" PVC SEWER 5865.18 | 18" RCP STORM 5870.29 | 5.11' |
| 16 | N 5930.88 E 11874.08 | 8" PVC SEWER 5865.49 | 38"x24" STORM 5868.60 | 3.11' |
| 17 | N 5973.00 E 11868.59 | 8" PVC SEWER 5866.37 | 38"x24" STORM 5868.47 | 2.10' |
| 18 | N 5973.23 E 11918.32 | 8" PVC SEWER 5866.67 | 8" PVC WATER 5875.26 | 8.59' |
| 19 | N 5702.97 E 11885.84 | 8" PVC SEWER 5863.32 | 8" PVC WATER 5867.73 | 4.41' |
| 20 | N 6773.07 E 12838.85 | 8" PVC SEWER 5867.43 | 8" PVC WATER 5873.76 | 6.33' |
| 21 | N 6694.47 E 13369.12 | 8" PVC SEWER 5844.10 | 24" RCP STORM 5849.51 | 5.41' |
| 22 | N 6667.39 E 13414.87 | 8" PVC SEWER 5843.40 | 30" RCP STORM 5848.10 | 4.70' |
| 23 | N 6654.15 E 13428.61 | 8" PVC SEWER 5843.25 | 48" RCP STORM 5846.27 | 3.02' |
| 24 | N 7279.35 E 12768.92 | 8" PVC SEWER 5878.05 | 8" PVC WATER 5884.88 | 6.83' |
| 25 | N 7306.17 E 12757.74 | 8" PVC SEWER 5878.34 | 18" RCP STORM 5881.75 | 3.41' |
| 26 | N 6276.57 E 12343.41 | 8" PVC SEWER 5870.07 | 24" RCP STORM 5879.34 | 9.27' |
| 27 | N 7160.33 E 12547.35 | 8" PVC SEWER 5889.91 | 8" PVC WATER 5895.84 | 5.93' |

| REFERENCE DRAWINGS | | | | | |
|--|------|-------------|----|--|--|
| No. | DATE | DESCRIPTION | BY | | |
| COMPUTER FILE MANAGEMENT | | | | | |
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| PLOT DATE: August 18, 2021 11:10:45 AM | | | | | |
| THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE. | | | | | |




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

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



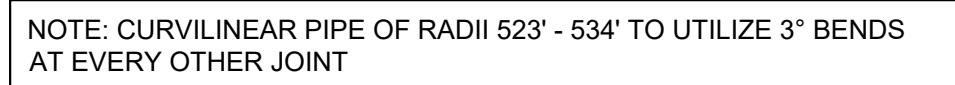
| TRAILS AT ASPEN RIDGE | | | | |
|---|-----|--------------|--------------|---------------|
| FILING NO. 3 8" SANITARY SEWER PLANS | | | | |
| GENERAL NOTES, LEGEND & ABBREVIATIONS | | | | |
| DESIGNED BY: | BAS | SCALE | DATE ISSUED: | AUGUST 2021 |
| CHECKED BY: | NMS | HORIZ. VERT. | N/A N/A | SHEET 2 OF 15 |
| DRAWING No. GN01 | | | | |



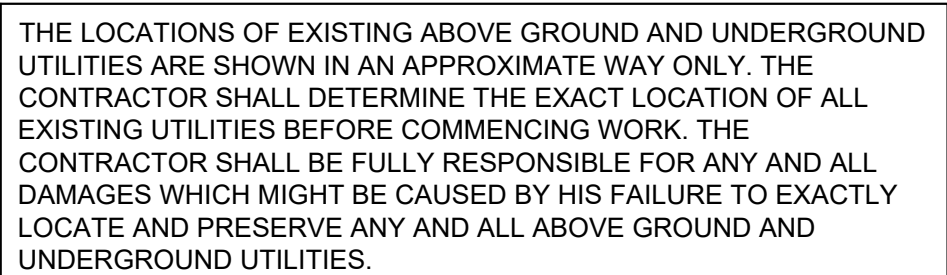
GRAPHIC SCALE

40' 0' 40' 80'

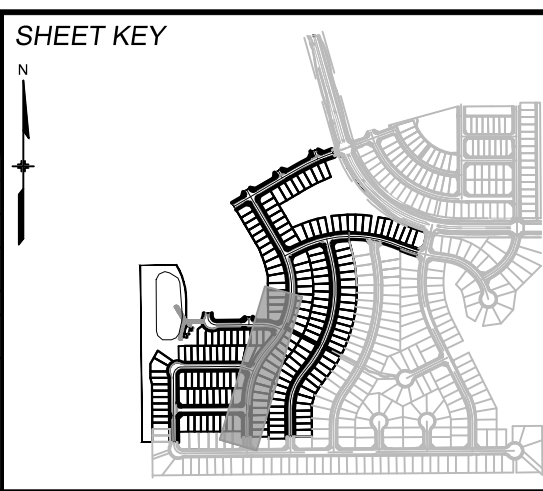
(IN FEET)
1 inch = 40 ft.



| UTILITY CROSSING DETAILS | | | | |
|--------------------------|-------------------------|-------------------------|--------------------------|------------|
| CROSSING # | N & E | TOP OF PIPE | BTM OF PIPE | VERT. SEP. |
| 1 | N 5688.22 E 12330.98 | 8" PVC SEWER 5859.82 | 18" RCP STORM 5875.14 | 15.32' |
| 2 | N 5716.39 E 12330.76 | 8" PVC SEWER 5860.51 | 8" PVC WATER 5873.05 | 12.54' |
| 3 | N 5955.33 E 12375.11 | 8" PVC SEWER 5866.51 | 8" PVC WATER 5879.02 | 12.51' |
| 4 | N 6196.45 E 12540.16 | 8" PVC SEWER 5867.98 | 12" PVC WATER 5881.63 | 13.65' |



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| REFERENCE DRAWINGS | | | | | | | | | |
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| | No. | DATE | DESCRIPTION | | | | | | BY |
| | REVISIONS | | | | | | | | |
| COMPUTER FILE MANAGEMENT | | | | | | | | | |
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| THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE. | | | | | | | | | |



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

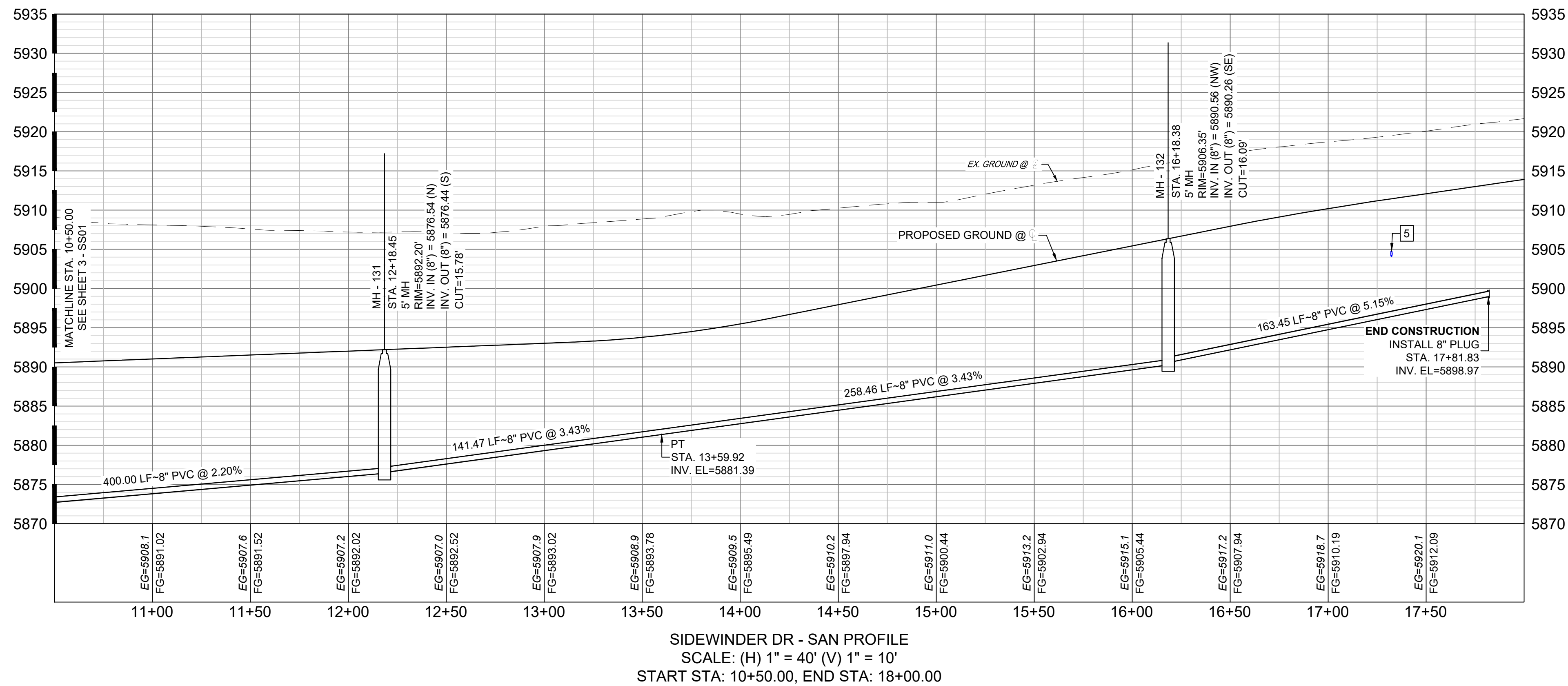
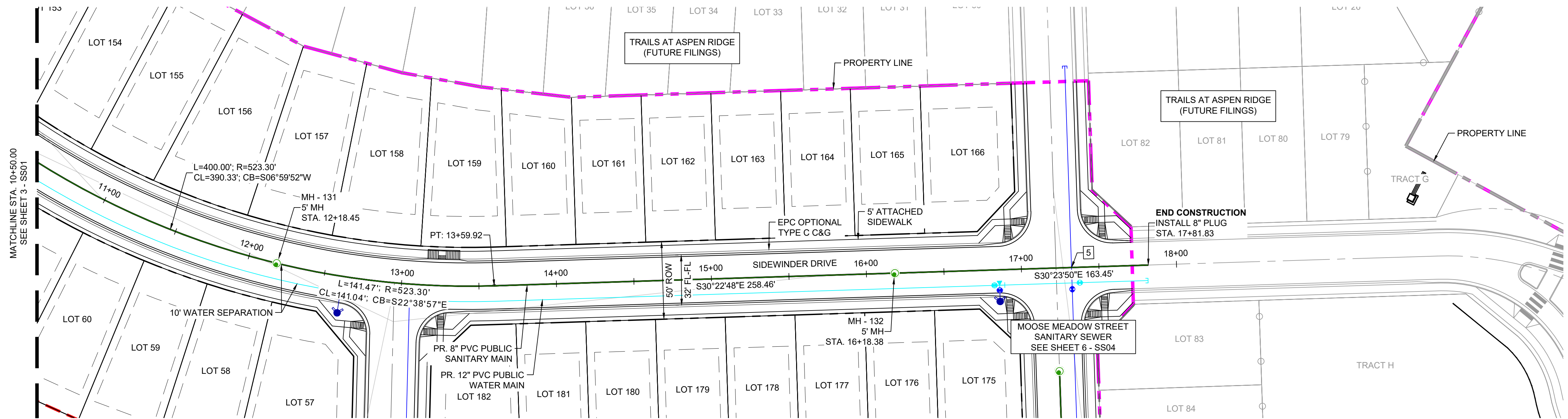
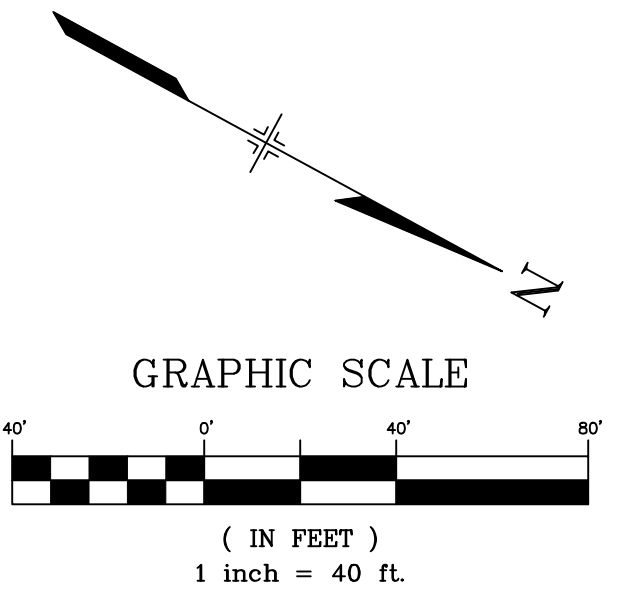
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°12'23" E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)



| | | | |
|---|-----|-----------------|----------------------------|
| <i>TRAILS AT ASPEN RIDGE</i> | | | |
| FILING NO. 3 8" SANITARY SEWER PLANS | | | |
| WASTEWATER PLAN & PROFILE | | | |
| DESIGNED BY: | BAS | SCALE | DATE ISSUED: AUGUST 2021 |
| DRAWN BY: | BAS | HORIZ. 1" = 40' | DRAWING No. SS01 |
| CHECKED BY: | NMS | VERT. 1" = 10' | |
| | | SHEET | 3 OF 15 |



Know what's below.
Call before you dig.

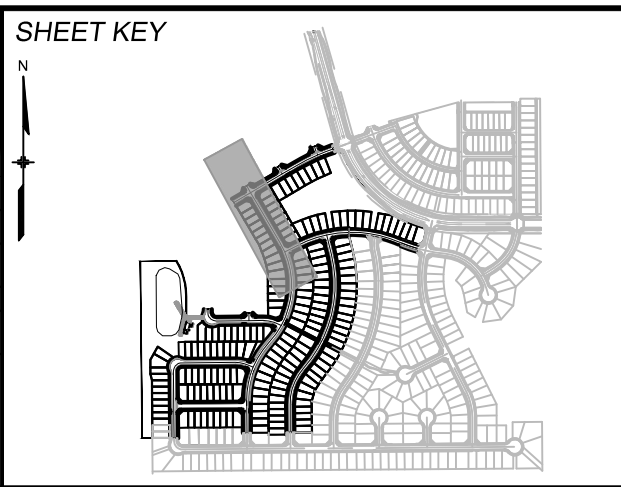


NOTE: CURVILINEAR PIPE OF RADII 523.30' TO UTILIZE 3° BENDS AT EVERY OTHER JOINT

| UTILITY CROSSING DETAILS | | | | |
|--------------------------|-------------------------|-------------------------|-------------------------|------------|
| CROSSING # | N & E | TOP OF PIPE | BTM OF PIPE | VERT. SEP. |
| 5 | N 7043.98 E 12349.93 | 8" PVC SEWER 5893.78 | 8" PVC WATER 5904.09 | 10.31' |

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

| REFERENCE DRAWINGS | | | |
|--|------|-------------|----|
| No. | DATE | DESCRIPTION | BY |
| COMPUTER FILE MANAGEMENT | | | |
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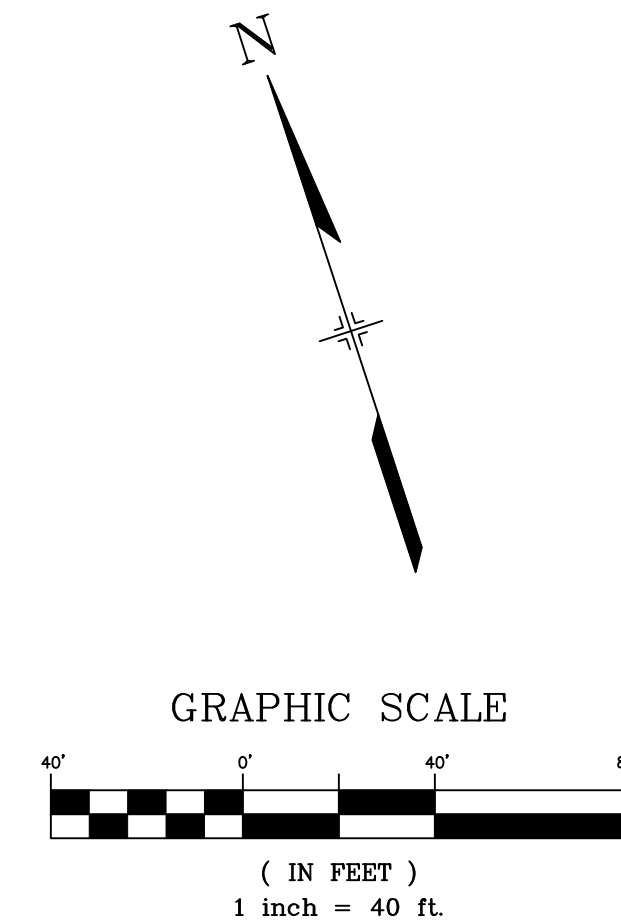
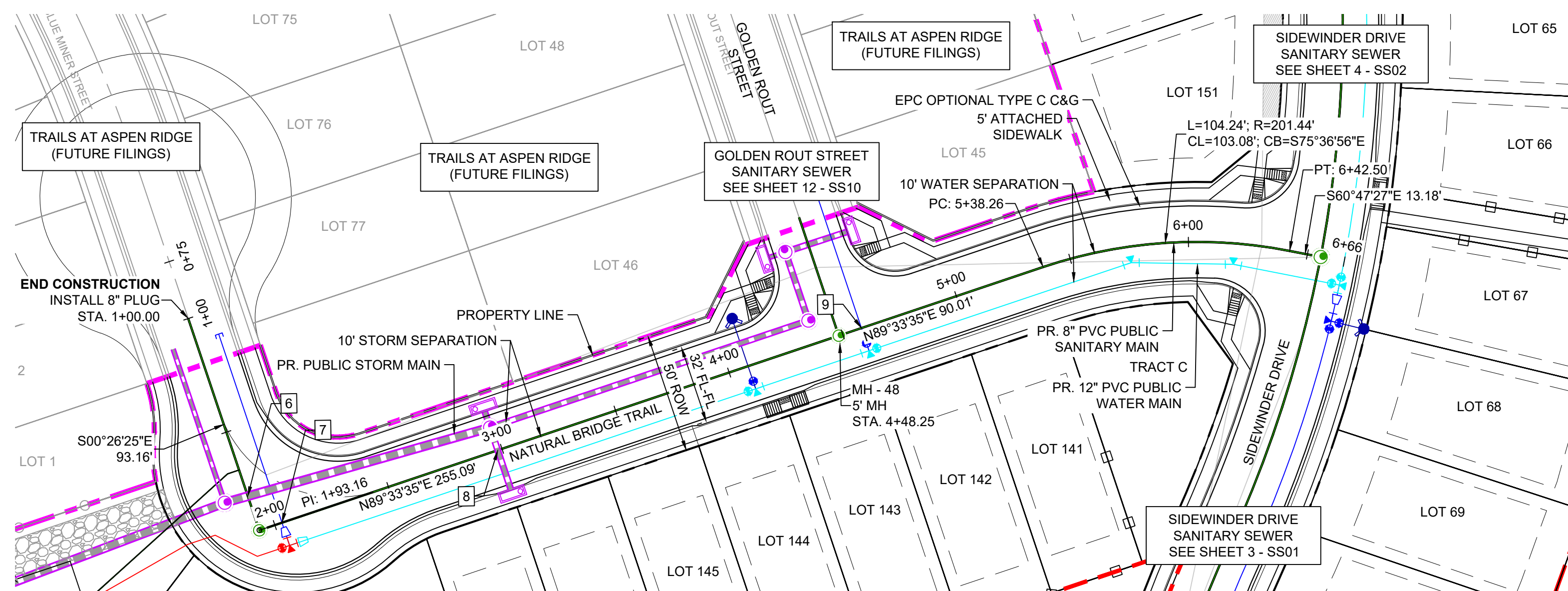


BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.
ELEVATION - 5897.89' U.S. SURVEY FT

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

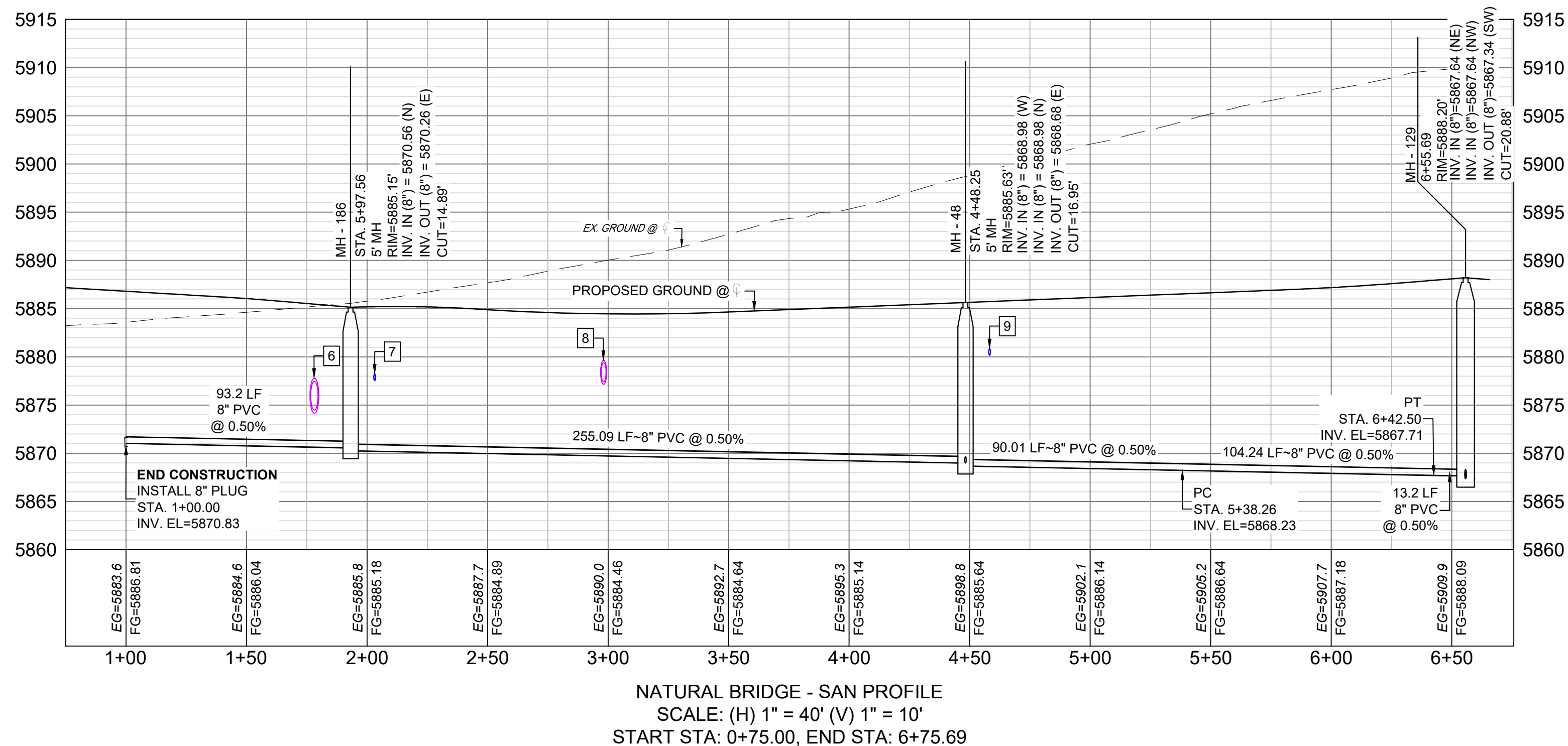


| TRAILS AT ASPEN RIDGE | | | | |
|---|-----|-----------------|--------------|---------------------|
| FILING NO. 3 8" SANITARY SEWER PLANS | | | | |
| WASTEWATER PLAN & PROFILE | | | | |
| DESIGNED BY: | BAS | SCALE | DATE ISSUED: | AUGUST 2021 |
| DRAWN BY: | BAS | HORIZ. 1" = 40' | SHEET | 4 OF 15 |
| CHECKED BY: | NMS | VERT. 1" = 10' | | |
| FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 20.886.028 | | | | DRAWING No. SS02 |

Know what's below.
Call before you dig.

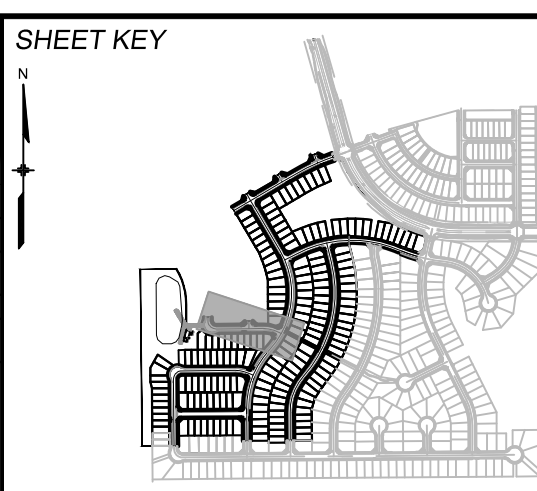
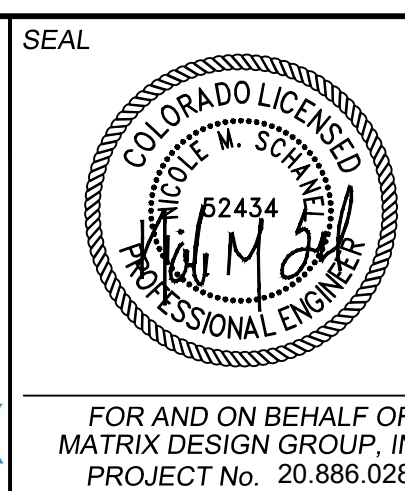
NOTE: CURVILINEAR PIPE OF RADII 201.44' TO UTILIZE 3" BENDS AT EVERY JOINT. MAX PIPE LENGTH OF 10'.

| UTILITY CROSSING DETAILS | | | | |
|--------------------------|-------------------------|-------------------------|--------------------------|------------|
| CROSSING # | N & E | TOP OF PIPE | BTM OF PIPE | VERT. SEP. |
| 6 | N 6249.55 E 12088.53 | 8" PVC SEWER 5871.33 | 36" RCP STORM 5874.14 | 2.81' |
| 7 | N 6235.29 E 12098.97 | 8" PVC SEWER 5870.90 | 8" PVC WATER 5877.52 | 6.62' |
| 8 | N 6235.29 E 12193.58 | 8" PVC SEWER 5870.42 | 24" RCP STORM 5877.15 | 6.73' |
| 9 | N 6236.58 E 12353.72 | 8" PVC SEWER 5869.32 | 8" PVC WATER 5880.15 | 10.83' |



THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

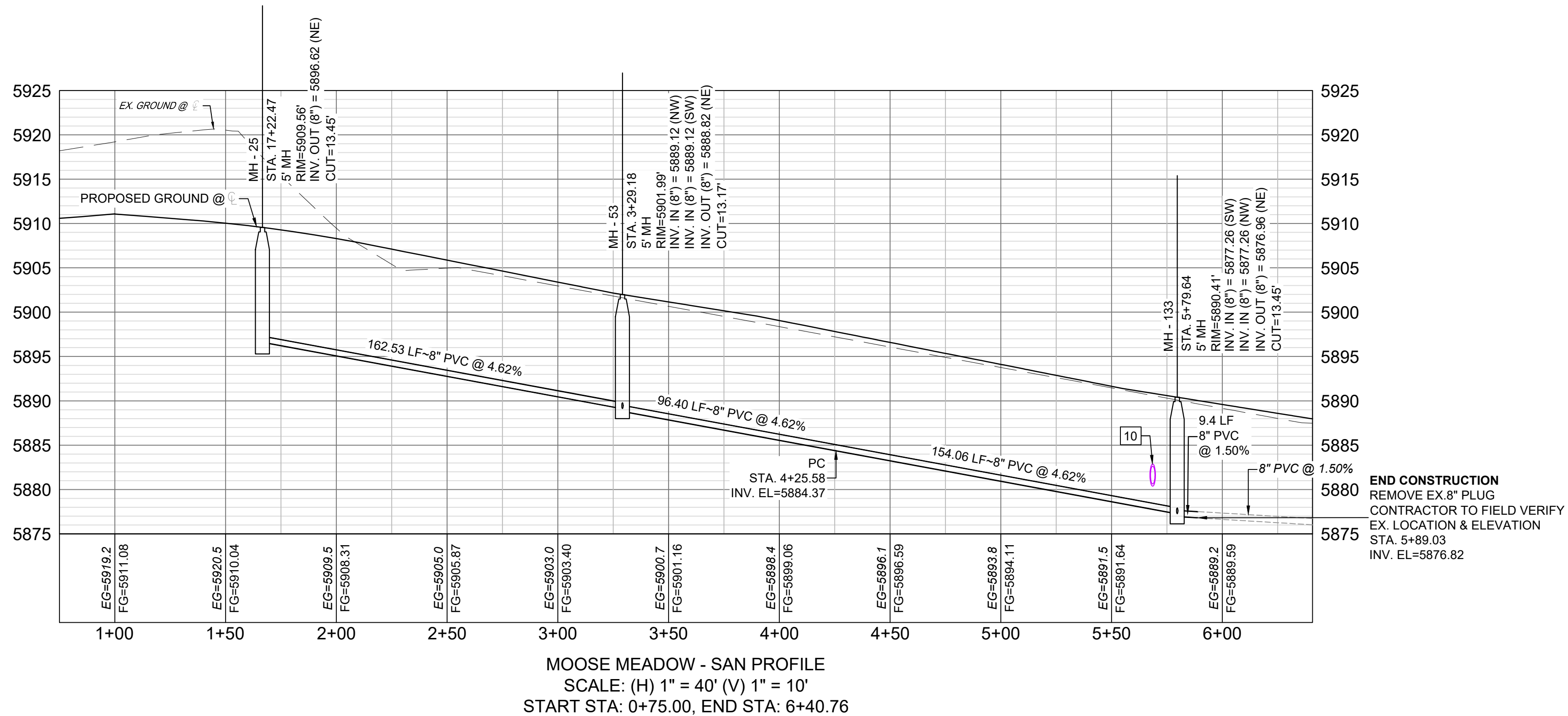
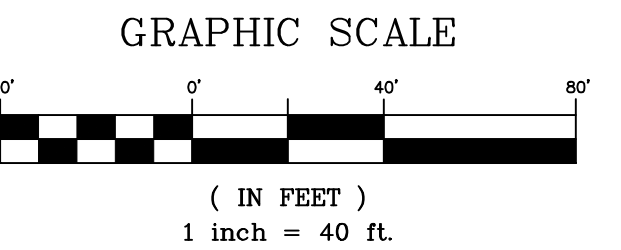
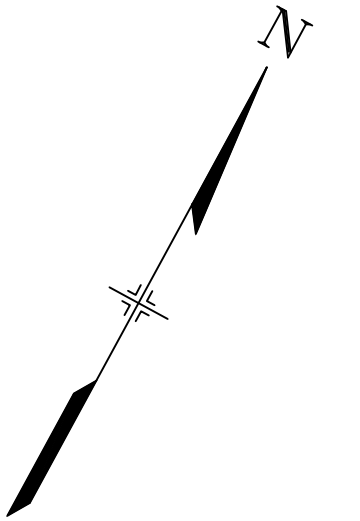
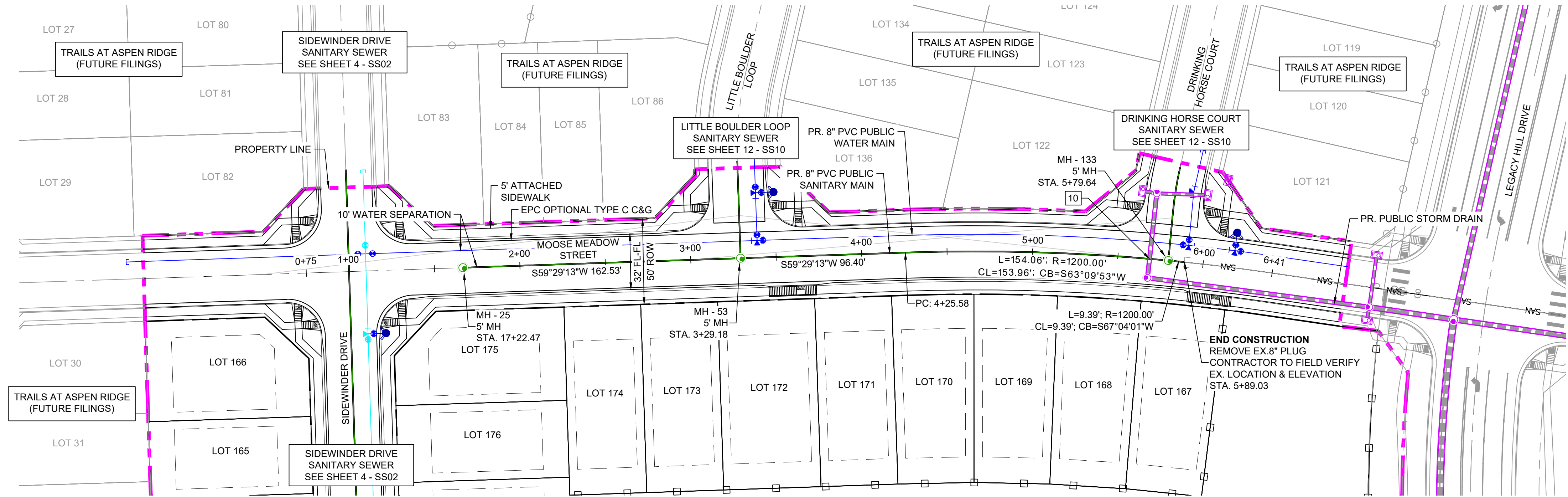
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BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.
ELEVATION - 5897.89' U.S. SURVEY FTBASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)

| TRAILS AT ASPEN RIDGE | | | |
|---|-----|---------------------------------|--------------------------------|
| FILING NO. 3 | | | |
| 8" SANITARY SEWER PLANS | | | |
| WASTEWATER PLAN & PROFILE | | | |
| DESIGNED BY: | BAS | SCALE | DATE ISSUED: |
| CHECKED BY: | NMS | HORIZ 1" = 40' VERT 1" = 10' | AUGUST 2021 |
| FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 20.886.028 | | | DRAWING No. 5 OF 15 SS03 |



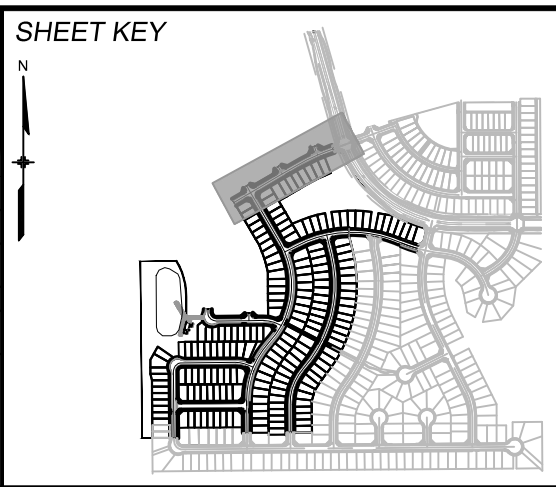
Know what's below.
Call before you dig.



| UTILITY CROSSING DETAILS | | | | |
|--------------------------|-------------------------|-------------------------|--------------------------|------------|
| CROSSING # | N & E | TOP OF PIPE | BTM OF PIPE | VERT. SEP. |
| 10 | N 7265.76 E 12762.69 | 8" PVC SEWER 5878.46 | 24" RCP STORM 5880.38 | 1.92' |

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

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

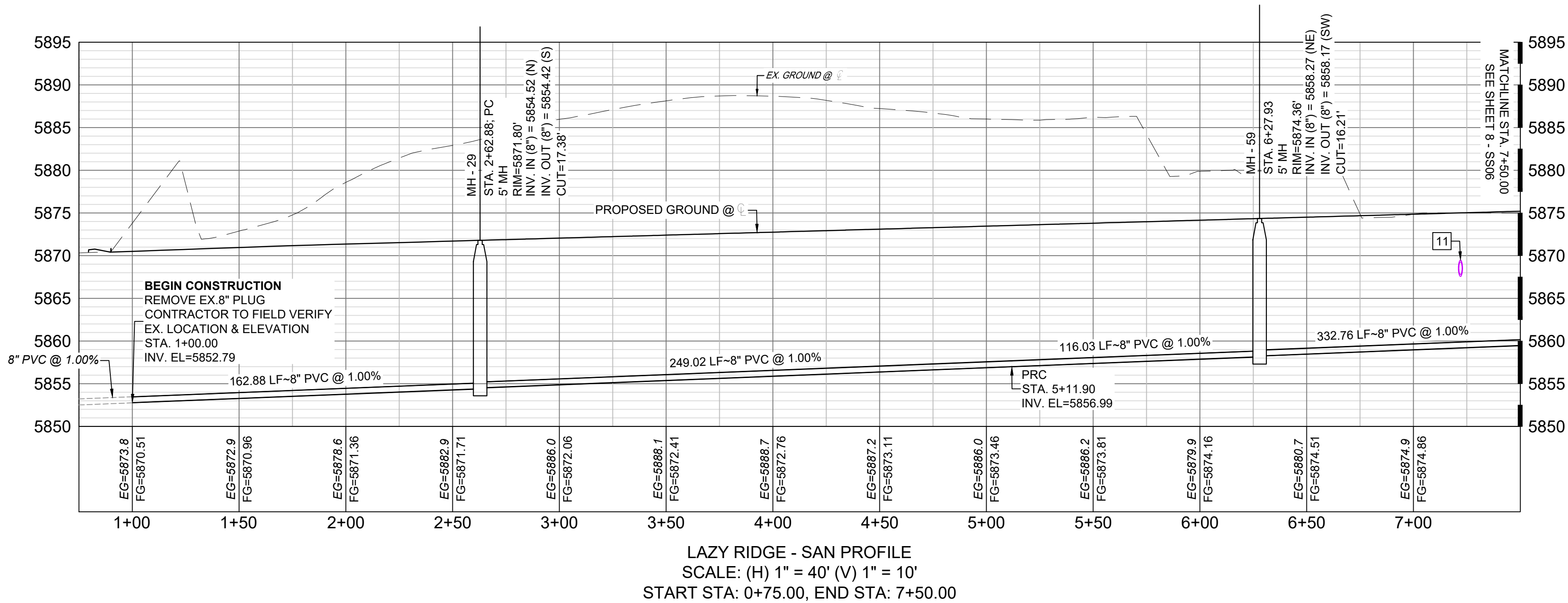
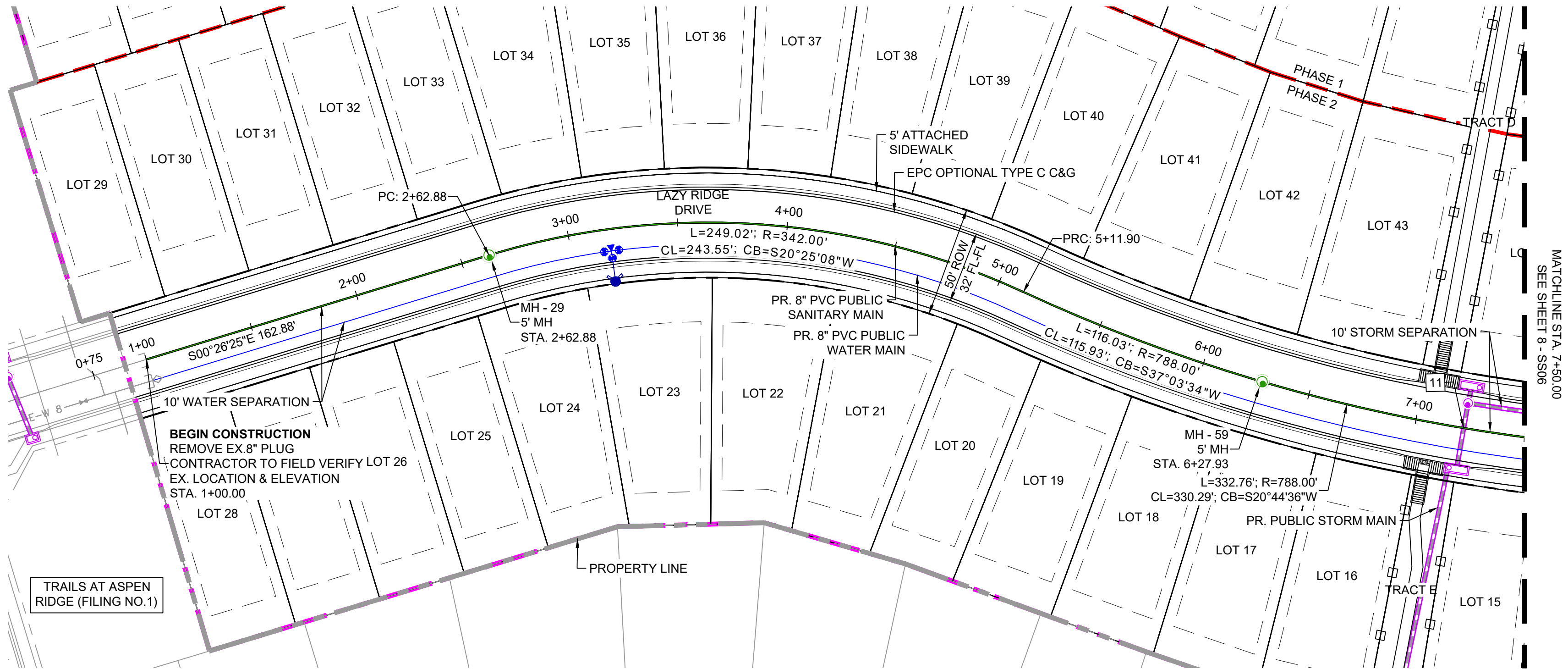
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS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



| TRAILS AT ASPEN RIDGE | | | |
|---|-----|-----------------|---------------------|
| FILING NO. 3 8" SANITARY SEWER PLANS | | | |
| WASTEWATER PLAN & PROILE | | | |
| DESIGNED BY: | BAS | SCALE | DATE ISSUED: |
| DRAWN BY: | BAS | HORIZ. 1" = 40' | AUGUST 2021 |
| CHECKED BY: | NMS | VERT. 1" = 10' | SHEET |
| FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 20.886.028 | | | DRAWING No. SS04 |



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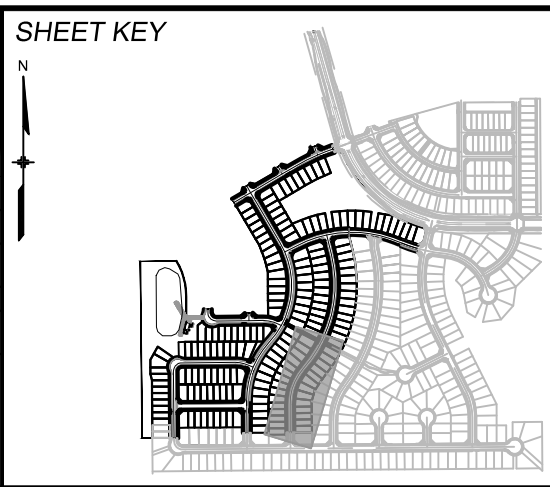
NOTE: CURVILINEAR PIPE OF RADII 342' TO UTILIZE 3° BENDS AT EVERY JOINT

NOTE: CURVILINEAR PIPE OF RADII 788' TO UTILIZE 3° BENDS AT EVERY 3RD JOINT

| UTILITY CROSSING DETAILS | | | | |
|--------------------------|-------------------------|-------------------------|--------------------------|------------|
| CROSSING # | N & E | TOP OF PIPE | BTM OF PIPE | VERT. SEP. |
| 11 | N 6115.04 E 12801.82 | 8" PVC SEWER 5859.90 | 18" RCP STORM 5867.58 | 7.68' |

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

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

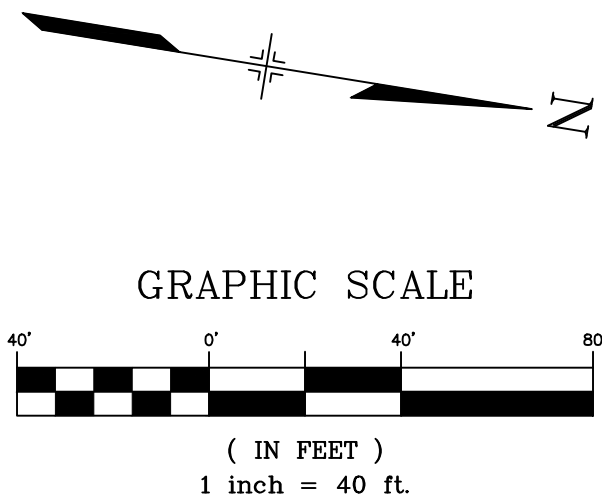
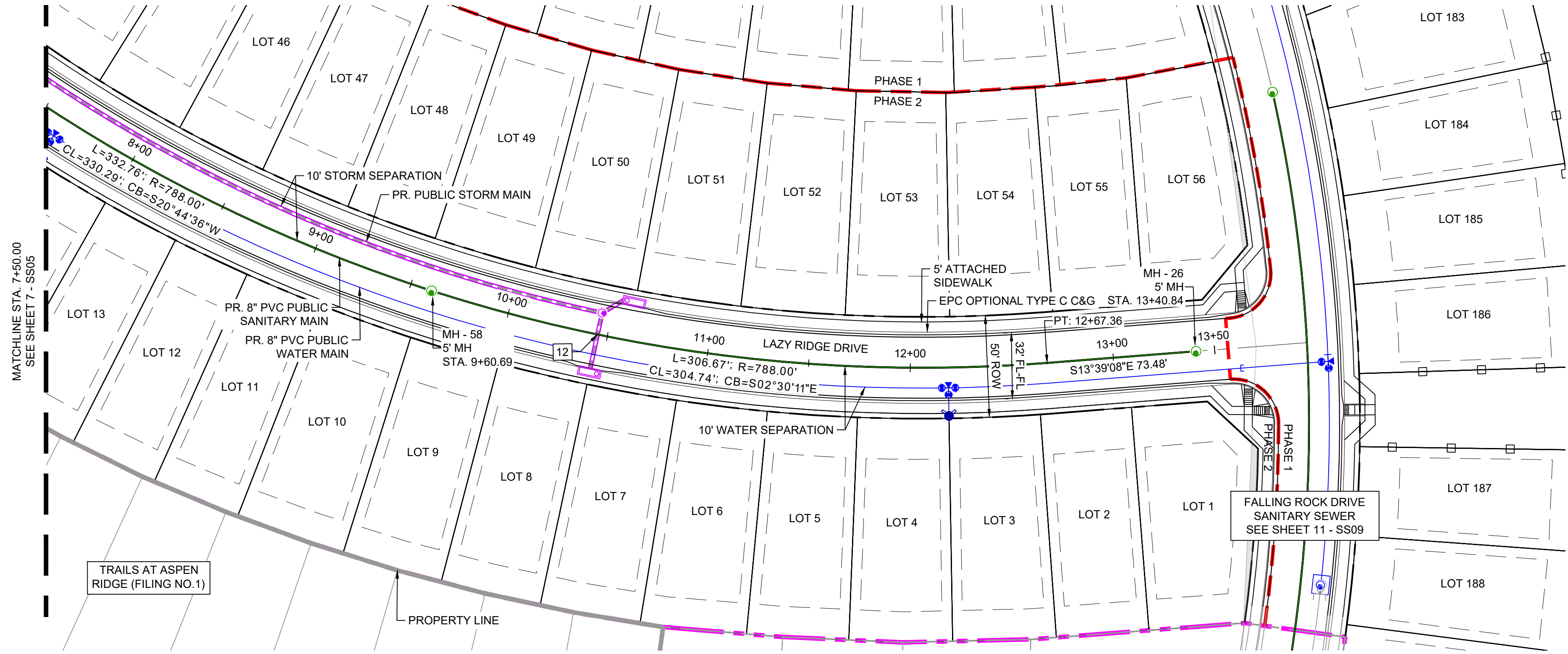
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS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



| TRAILS AT ASPEN RIDGE | | | | |
|---|-----|----------------|--------------|---------------------|
| FILING NO. 3 8" SANITARY SEWER PLANS | | | | |
| WASTEWATER PLAN & PROFILE | | | | |
| DESIGNED BY: | BAS | SCALE | DATE ISSUED: | AUGUST 2021 |
| DRAWN BY: | BAS | HORIZ 1" = 40' | | |
| CHECKED BY: | NMS | VERT 1" = 10' | SHEET | 7 OF 15 |
| FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 20.886.028 | | | | DRAWING No. SS05 |



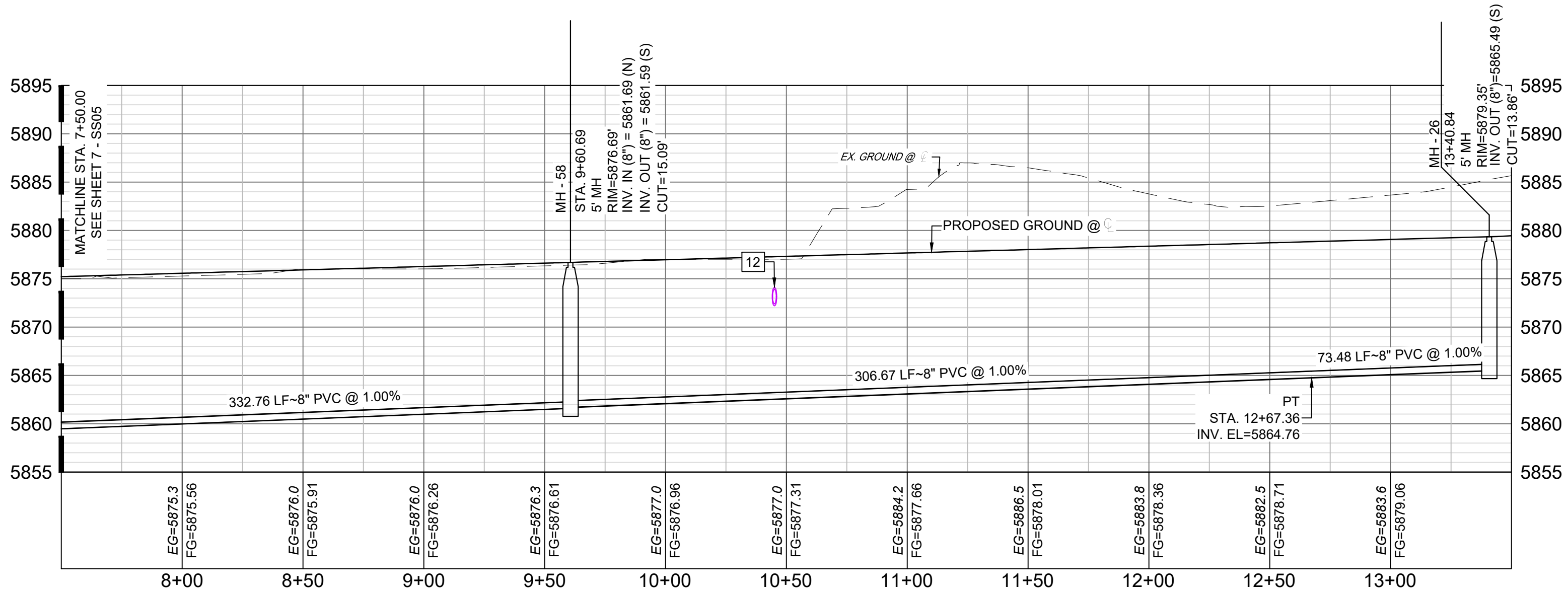
Know what's below.
Call before you dig.



NOTE: CURVILINEAR PIPE OF RADII 788' TO UTILIZE 3° BENDS AT EVERY 3RD JOINT

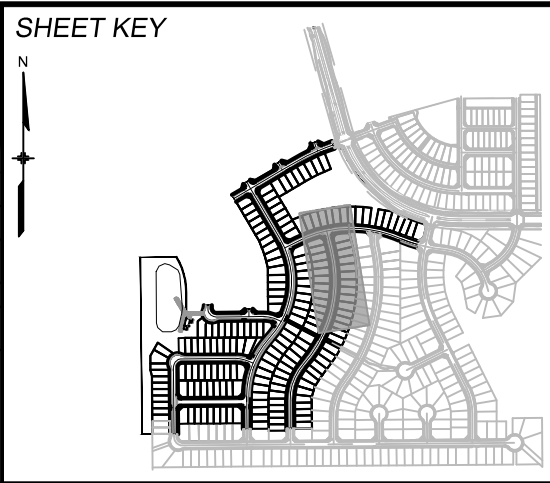
| UTILITY CROSSING DETAILS | | | | |
|--------------------------|-------------------------|-------------------------|--------------------------|------------|
| CROSSING # | N & E | TOP OF PIPE | BTM OF PIPE | VERT. SEP. |
| 12 | N 6425.98 E 12880.82 | 8" PVC SEWER 5863.22 | 18" RCP STORM 5872.19 | 8.97' |

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.



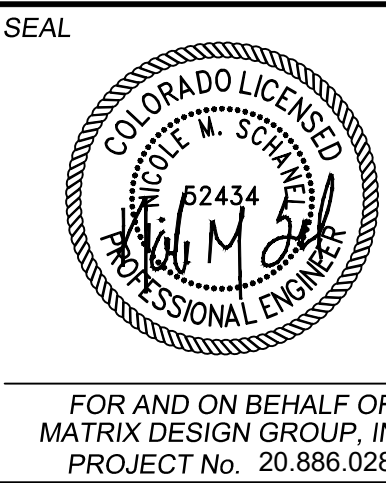
LAZY RIDGE - SAN PROFILE
SCALE: (H) 1" = 40' (V) 1" = 10'
START STA: 7+50.00, END STA: 13+50.00

| REFERENCE DRAWINGS | | | |
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| No. | DATE | DESCRIPTION | BY |
| REVISIONS | | | |
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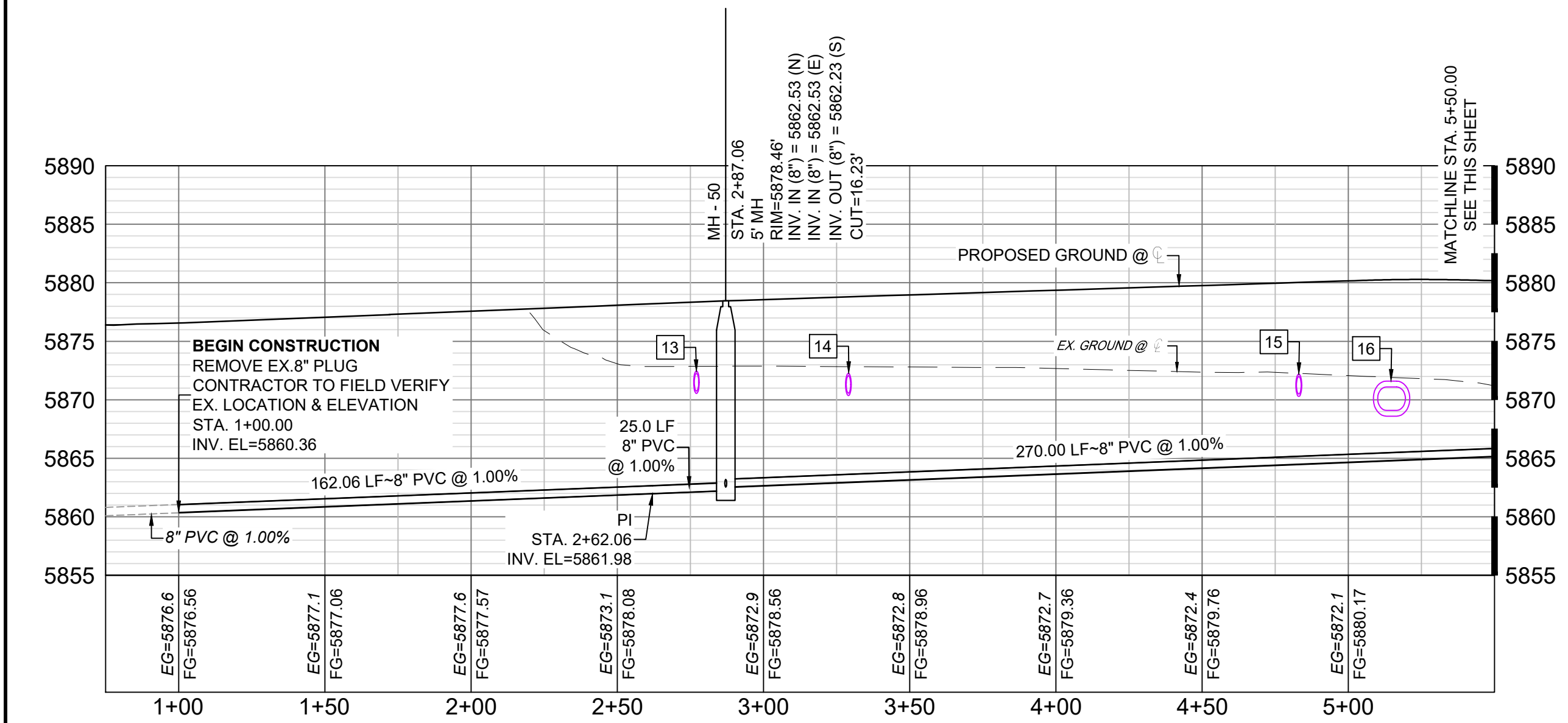
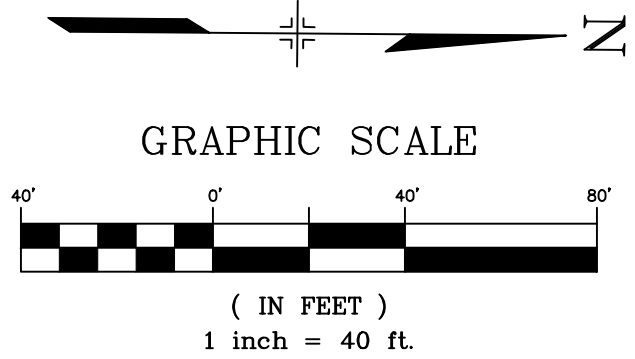
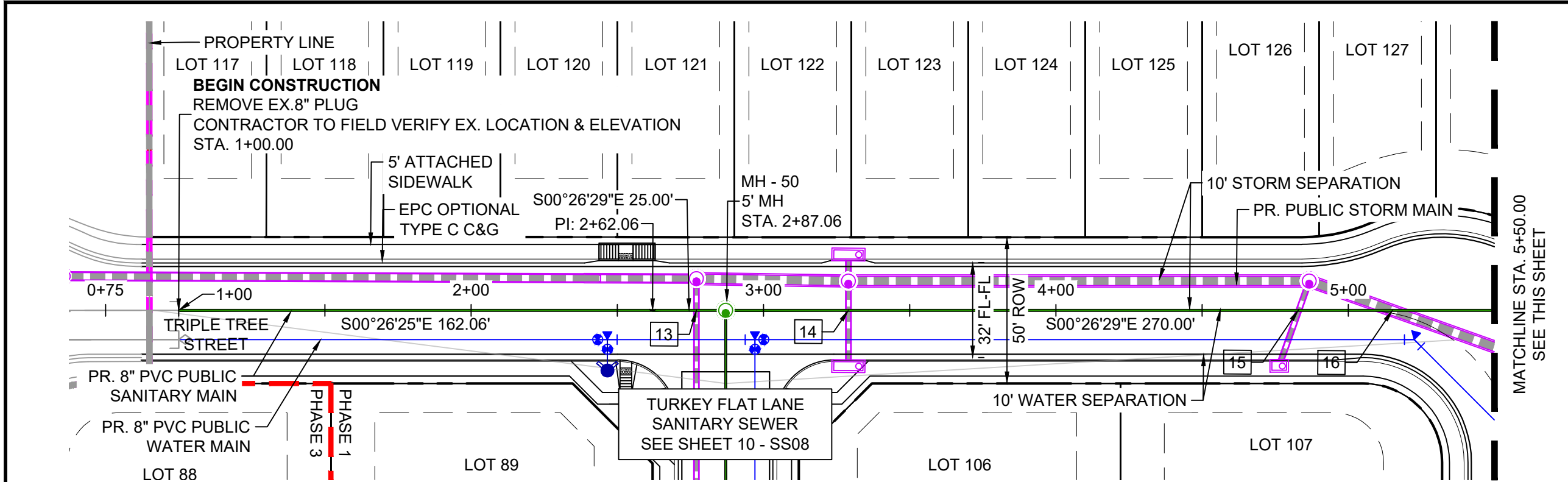


BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.
ELEVATION - 5897.89' U.S. SURVEY FT

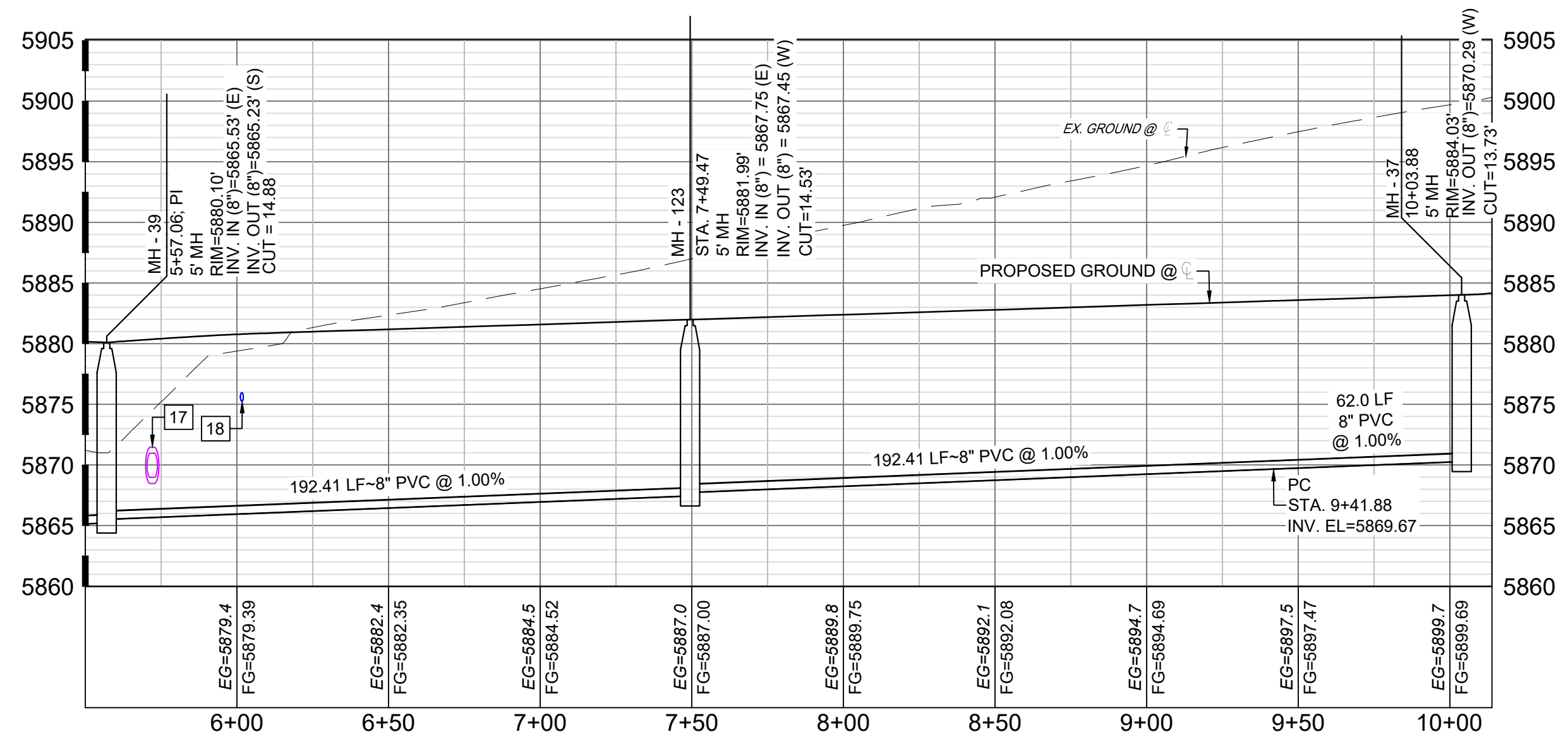
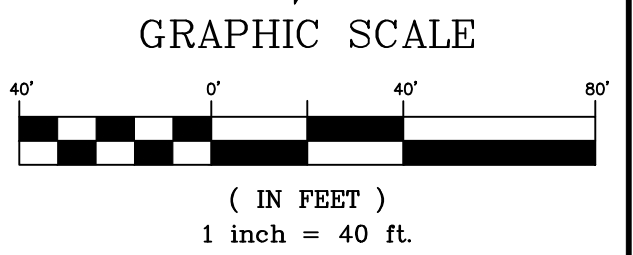
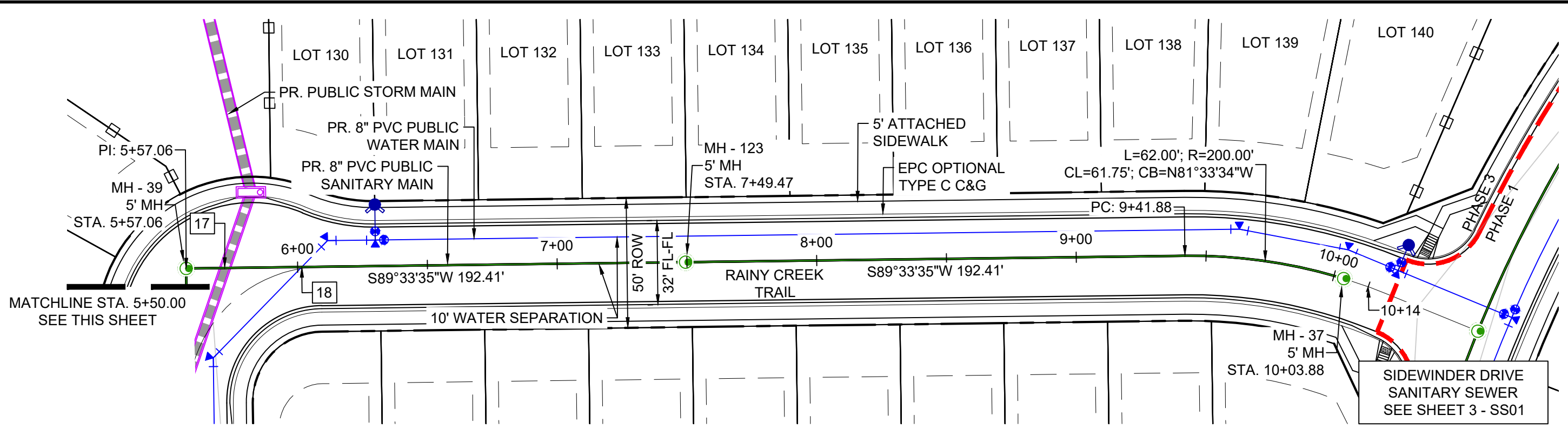
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS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



| TRAILS AT ASPEN RIDGE | | | | |
|---|-----|-----------------|--------------|---------------------|
| FILING NO. 3 8" SANITARY SEWER PLANS | | | | |
| WASTEWATER PLAN & PROFILE | | | | |
| DESIGNED BY: | BAS | SCALE | DATE ISSUED: | AUGUST 2021 |
| DRAWN BY: | BAS | HORIZ. 1" = 40' | | |
| CHECKED BY: | NMS | VERT. 1" = 10' | SHEET | 8 OF 15 |
| FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 20.886.028 | | | | DRAWING No. SS06 |



TRIPLE TREE-RAINY CREEK - SAN PROFILE
SCALE: (H) 1" = 40' (V) 1" = 10'
START STA: 0+75.00, END STA: 5+50.00



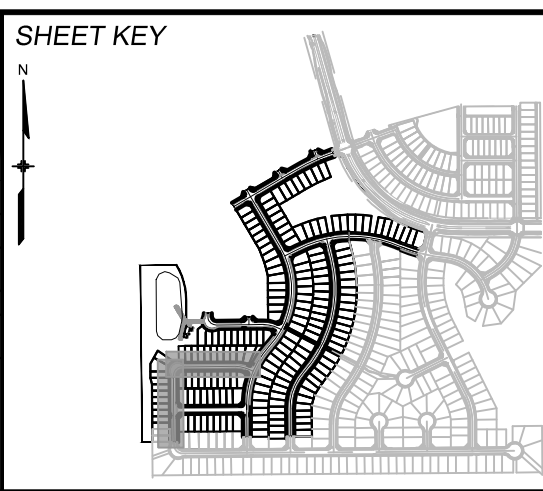
TRIPLE TREE-RAINY CREEK - SAN PROFILE
SCALE: (H) 1" = 40' (V) 1" = 10'
START STA: 5+50.00, END STA: 10+13.88

NOTE: CURVILINEAR PIPE OF RADII 200' TO UTILIZE 3° BENDS AT EVERY JOINT. MAX PIPE LENGTH OF 10'.

| UTILITY CROSSING DETAILS | | | | |
|--------------------------|-------------------------|-------------------------|--------------------------|------------|
| CROSSING # | N & E | TOP OF PIPE | BTM OF PIPE | VERT. SEP. |
| 13 | N 5692.89 E 11875.92 | 8" PVC SEWER 5862.82 | 18" RCP STORM 5870.52 | 7.70' |
| 14 | N 5744.86 E 11875.52 | 8" PVC SEWER 5863.64 | 18" RCP STORM 5870.36 | 6.72' |
| 15 | N 5898.88 E 11874.33 | 8" PVC SEWER 5865.18 | 18" RCP STORM 5870.29 | 5.11' |
| 16 | N 5930.88 E 11874.00 | 8" PVC SEWER 5865.49 | 38"x24" STORM 5868.60 | 3.11' |
| 17 | N 5973.00 E 11888.59 | 8" PVC SEWER 5866.37 | 38"x24" STORM 5868.47 | 2.10' |
| 18 | N 5973.23 E 11918.32 | 8" PVC SEWER 5866.67 | 8" PVC WATER 5875.26 | 8.59' |

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

| REFERENCE DRAWINGS | | | |
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| No. | DATE | DESCRIPTION | BY |
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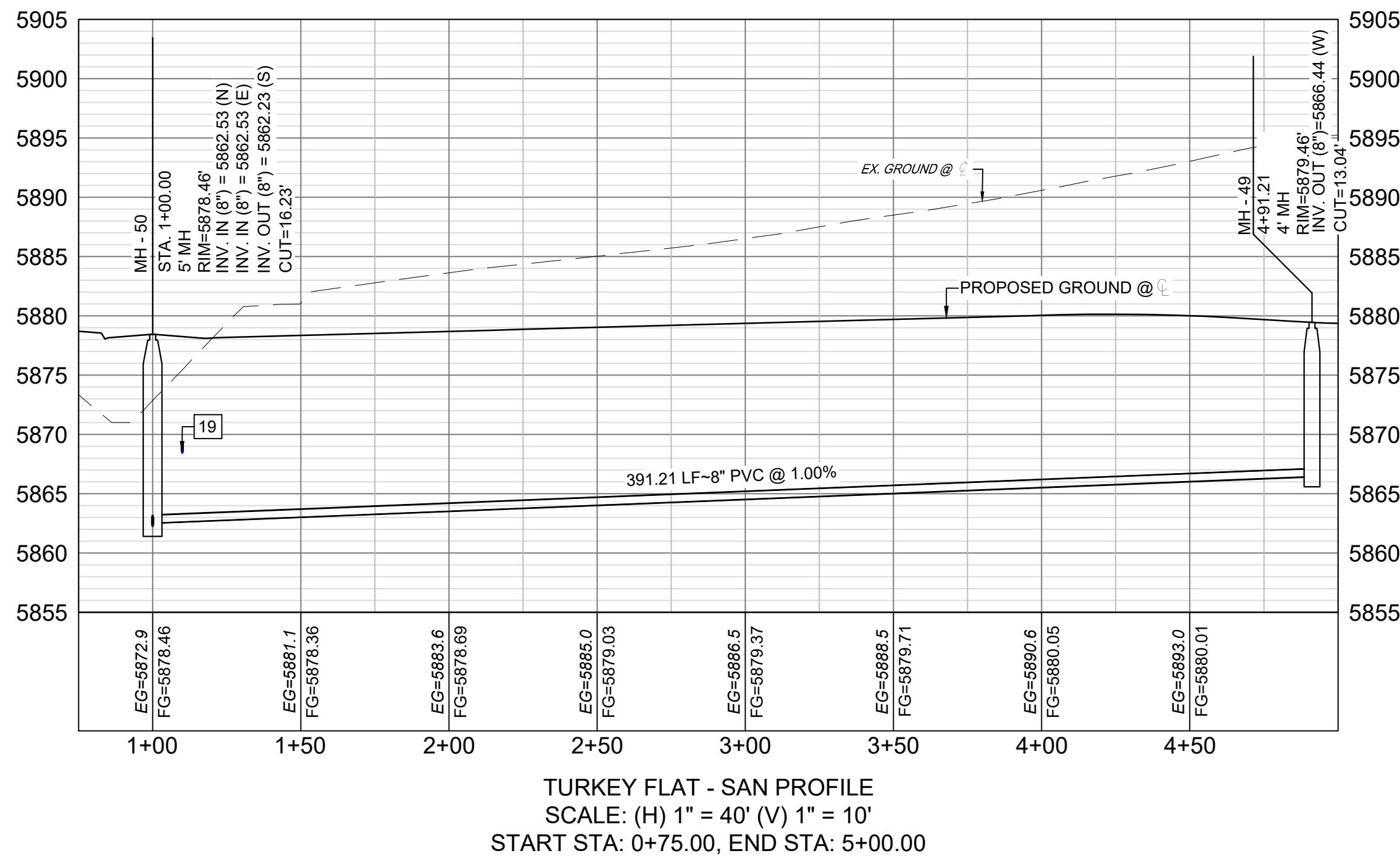
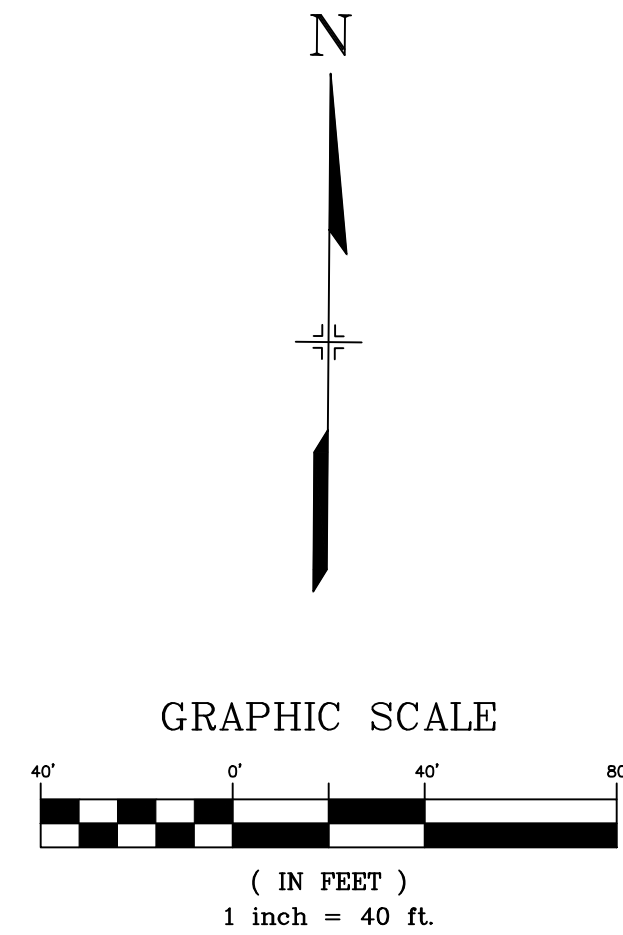
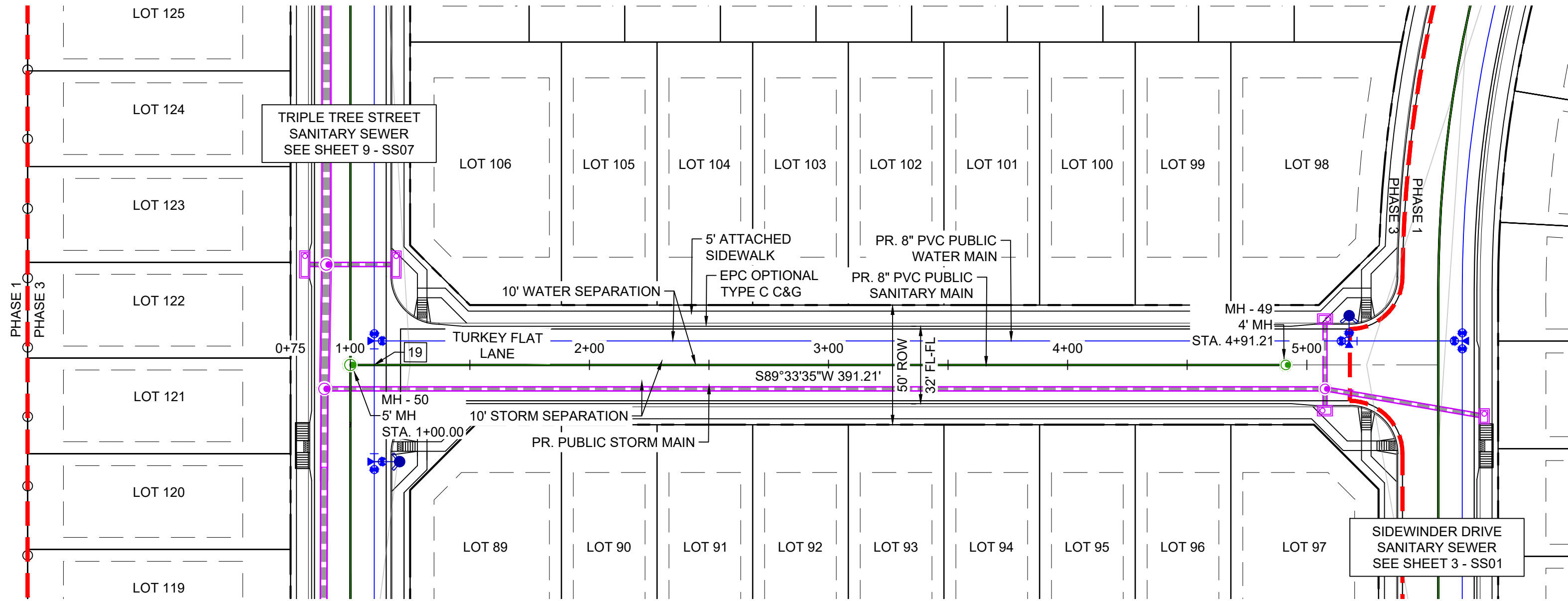


BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.
ELEVATION - 5897.89' U.S. SURVEY FT

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



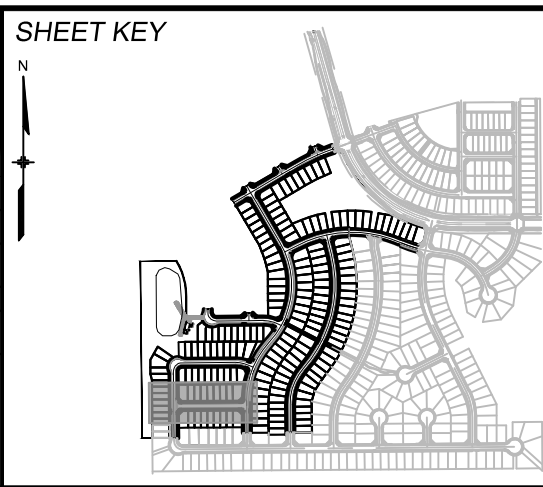
| TRAILS AT ASPEN RIDGE | | | |
|---|-----|-----------------|---------------------|
| FILING NO. 3 8" SANITARY SEWER PLANS | | | |
| WASTEWATER PLAN & PROFILE | | | |
| DESIGNED BY: | BAS | SCALE | DATE ISSUED: |
| DRAWN BY: | BAS | HORIZ. 1" = 40' | AUGUST 2021 |
| CHECKED BY: | NMS | VERT. 1" = 10' | SHEET |
| FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 20.886.028 | | | DRAWING No. SS07 |



| UTILITY CROSSING DETAILS | | | | |
|--------------------------|-------------------------|-------------------------|-------------------------|------------|
| CROSSING # | N & E | TOP OF PIPE | BTM OF PIPE | VERT. SEP. |
| 19 | N 5702.97 E 11885.84 | 8" PVC SEWER 5863.32 | 8" PVC WATER 5867.73 | 4.41' |

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

| REFERENCE DRAWINGS | | | |
|--|------|-------------|----|
| No. | DATE | DESCRIPTION | BY |
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| PLOT DATE: August 18, 2021 11:13:17 AM | | | |
| THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE. | | | |



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

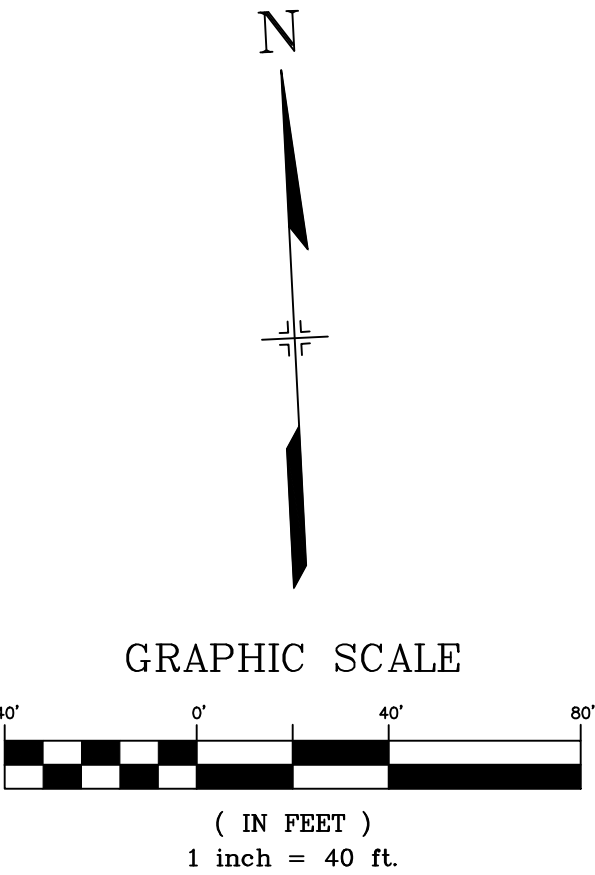
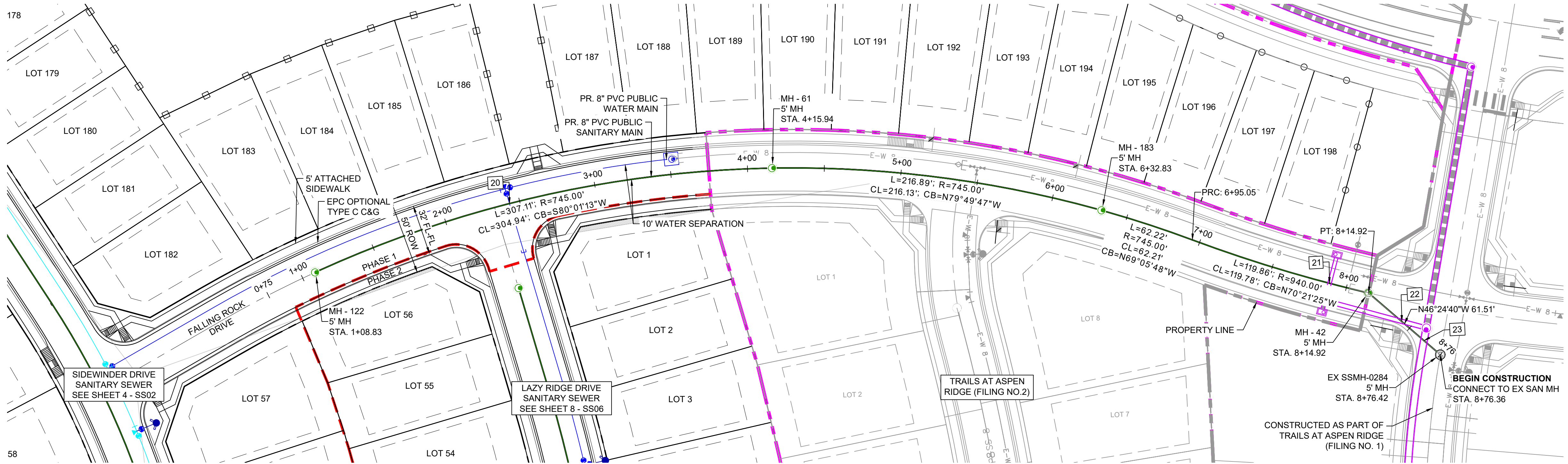
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS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



| TRAILS AT ASPEN RIDGE | | | | |
|---|-----|-----------------|--------------|---------------------|
| FILING NO. 3 8" SANITARY SEWER PLANS | | | | |
| WASTEWATER PLAN & PROFILE | | | | |
| DESIGNED BY: | BAS | SCALE | DATE ISSUED: | AUGUST 2021 |
| DRAWN BY: | BAS | HORIZ. 1" = 40' | | |
| CHECKED BY: | NMS | VERT. 1" = 10' | SHEET | 10 OF 15 |
| FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 20.886.028 | | | | DRAWING No. SS08 |

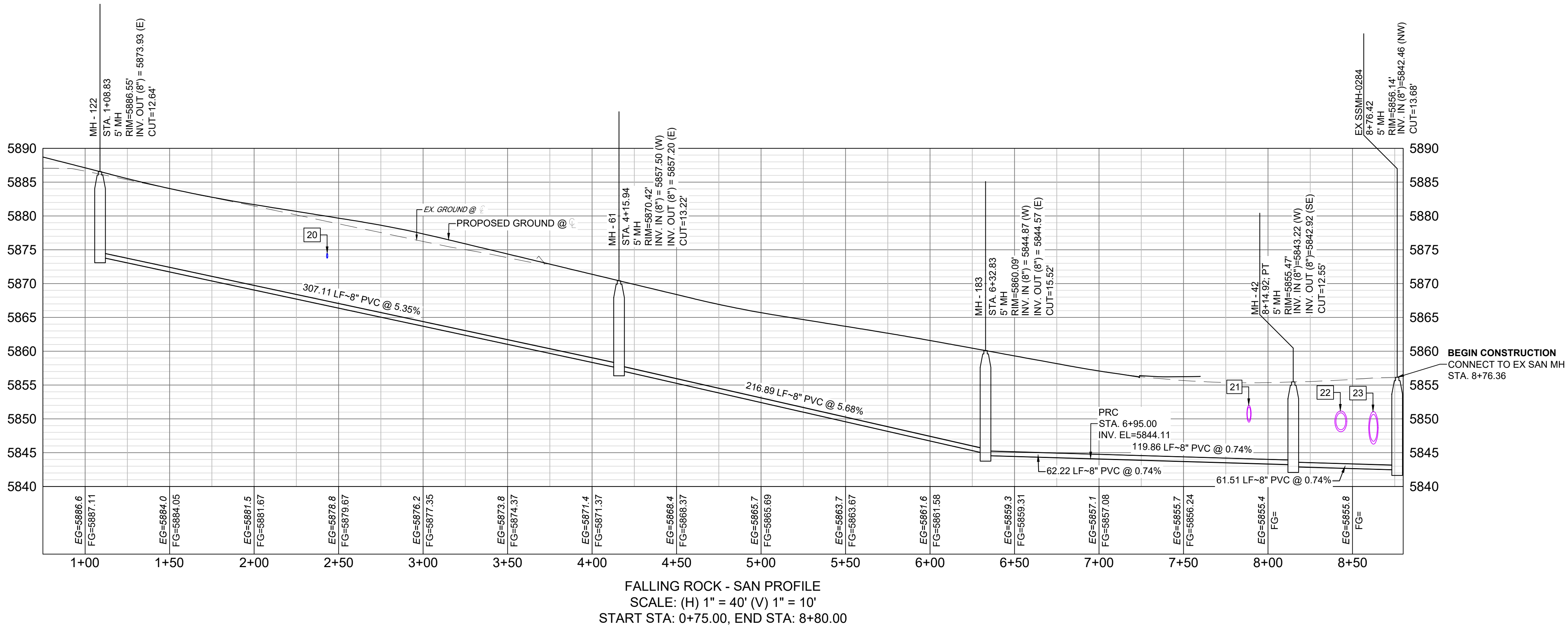


Know what's below.
Call before you dig.



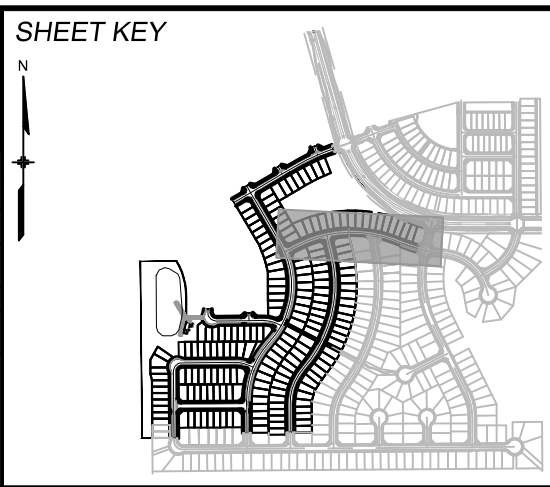
NOTE: CURVILINEAR PIPE OF RADII 745' TO UTILIZE 3° BENDS AT EVERY OTHER JOINT.
NOTE: CURVILINEAR PIPE OF RADII 940' TO UTILIZE NO FITTINGS.

| UTILITY CROSSING DETAILS | | | | |
|--------------------------|------------|--------------|---------------|------------|
| CROSSING # | N & E | TOP OF PIPE | BTM OF PIPE | VERT. SEP. |
| 20 | N 6773.07 | 8" PVC SEWER | 8" PVC WATER | 6.33' |
| | E 12838.85 | 5867.43 | 5873.76 | |
| 21 | N 6694.47 | 8" PVC SEWER | 24" RCP STORM | 5.41' |
| | E 13369.12 | 5844.10 | 5849.51 | |
| 22 | N 6667.39 | 8" PVC SEWER | 30" RCP STORM | 4.70' |
| | E 13414.87 | 5843.40 | 5848.10 | |
| 23 | N 6654.15 | 8" PVC SEWER | 48" RCP STORM | 3.02' |
| | E 13428.61 | 5843.25 | 5846.27 | |



THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

| REFERENCE DRAWINGS | | | |
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| No. | DATE | DESCRIPTION | BY |
| COMPUTER FILE MANAGEMENT | | | |
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| CTB FILE: Matrix(black).ctb | | | |
| PLOT DATE: August 18, 2021 11:13:30 AM | | | |
| THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE. | | | |



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

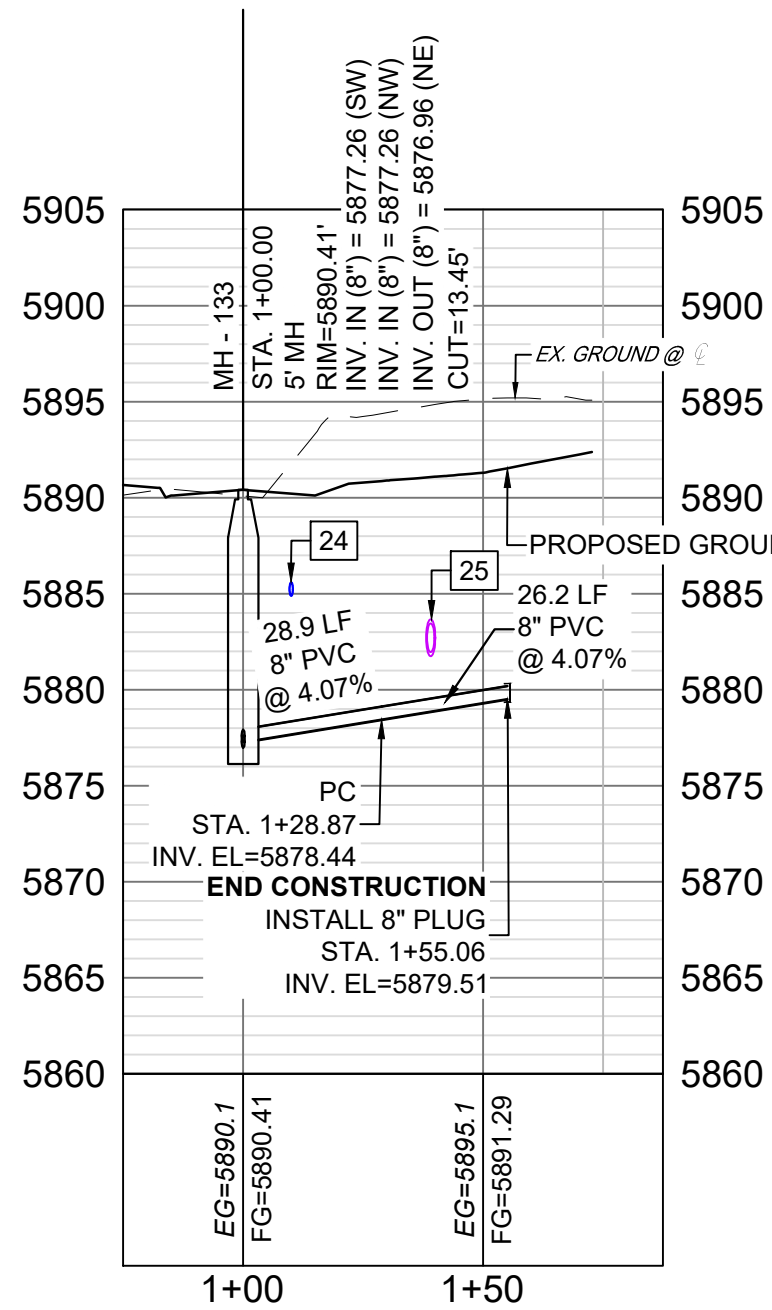
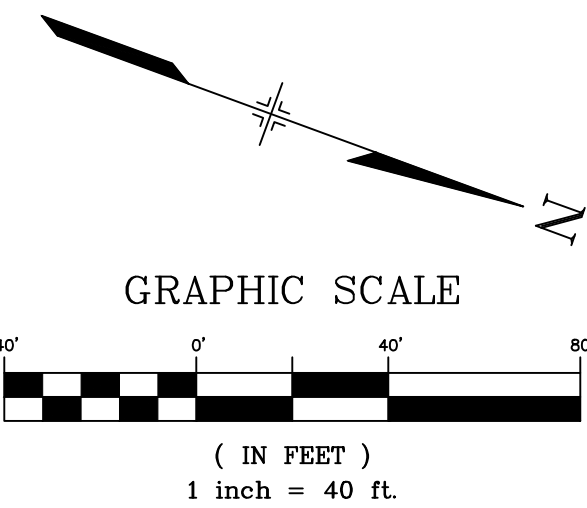
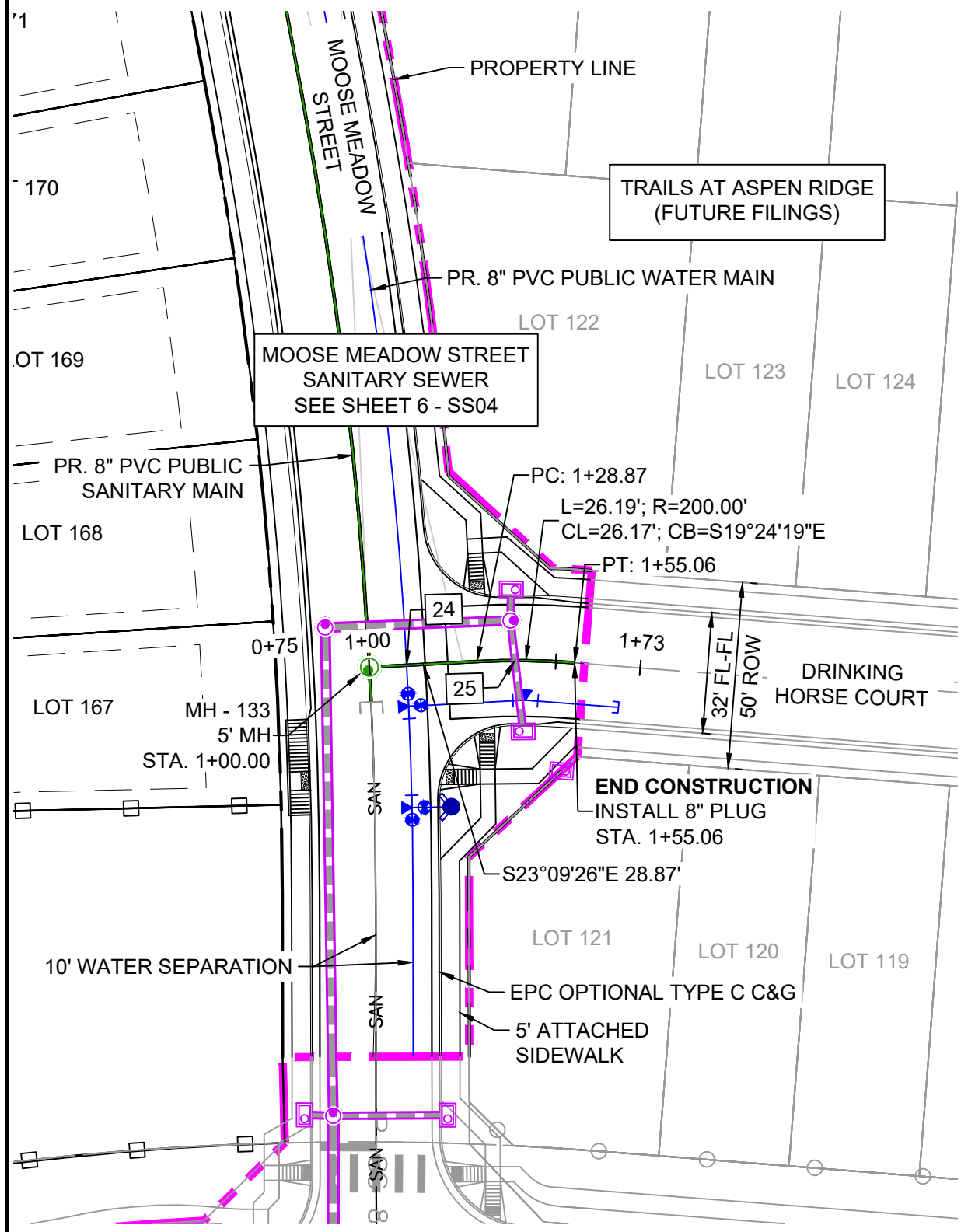
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS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



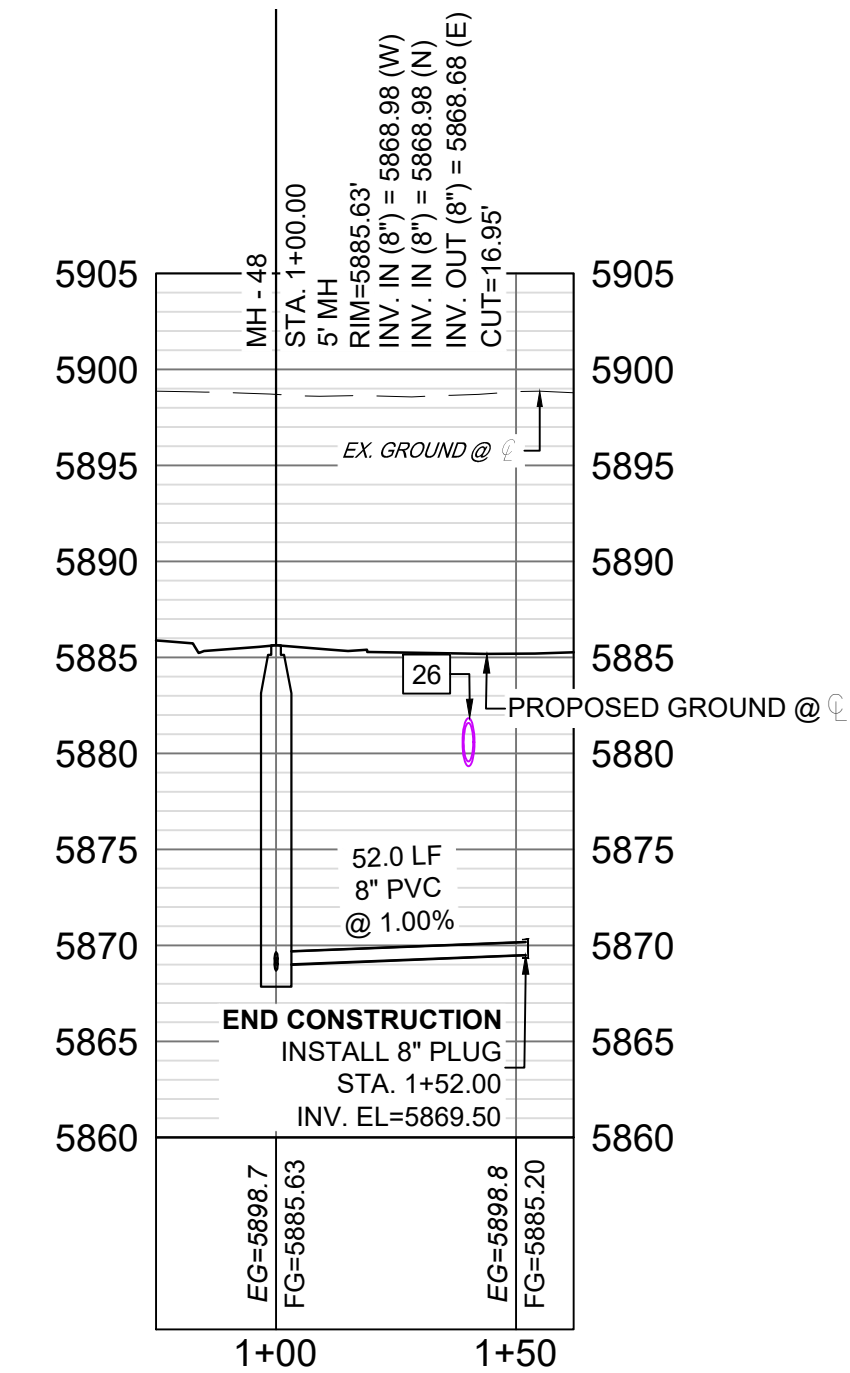
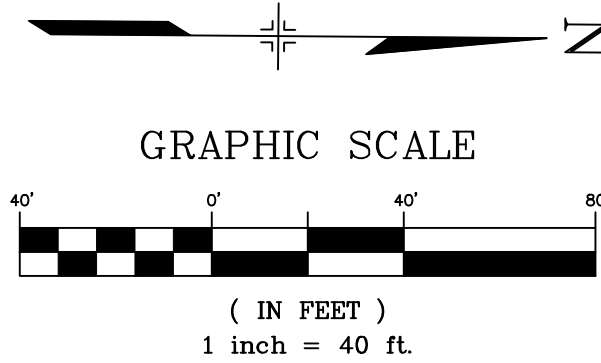
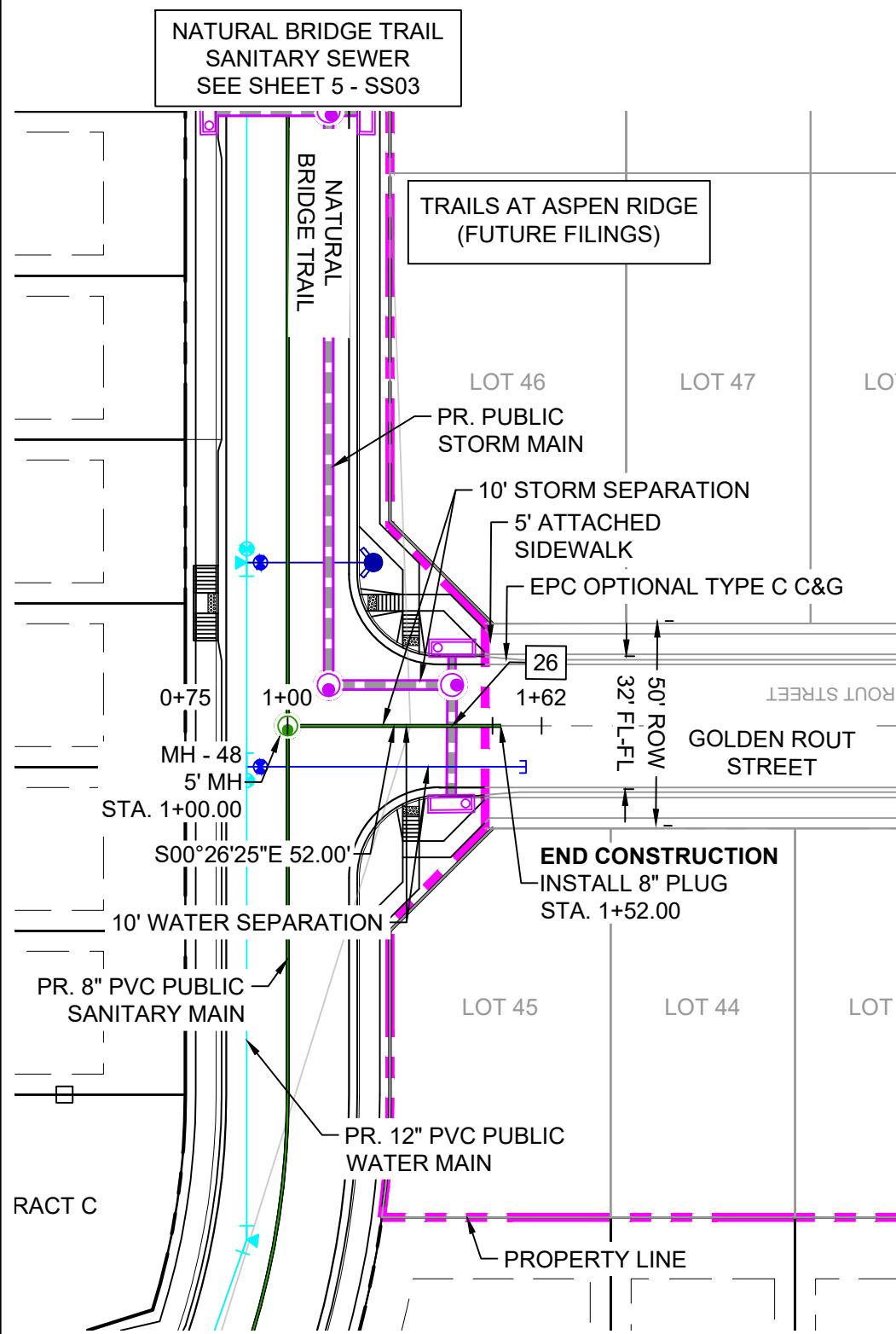
| TRAILS AT ASPEN RIDGE | | | | |
|---|-----|-----------------|--------------|---------------------|
| FILING NO. 3 | | | | |
| 8" SANITARY SEWER PLANS | | | | |
| WASTEWATER PLAN & PROFILE | | | | |
| DESIGNED BY: | BAS | SCALE | DATE ISSUED: | AUGUST 2021 |
| DRAWN BY: | BAS | HORIZ. 1" = 40' | | |
| CHECKED BY: | NMS | VERT. 1" = 10' | SHEET | 11 OF 15 |
| FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 20.886.028 | | | | DRAWING No. SS09 |



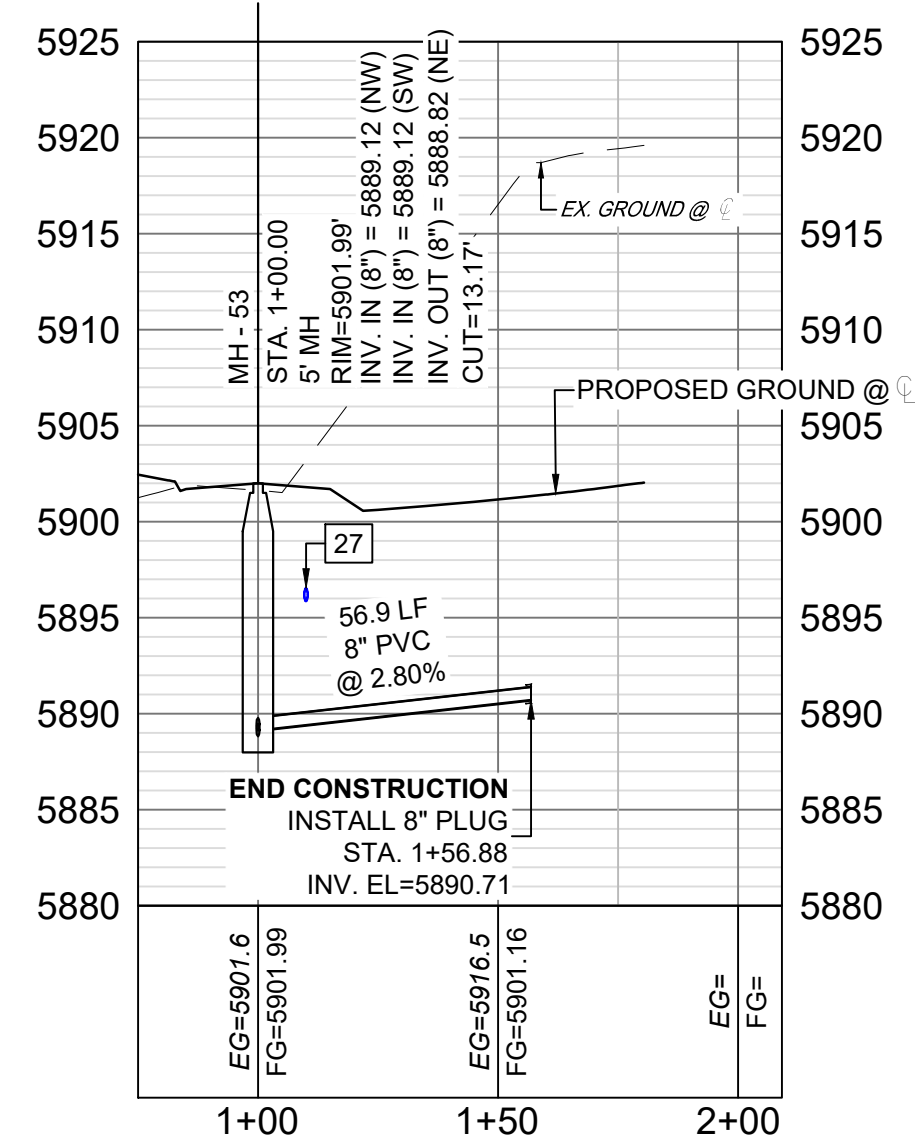
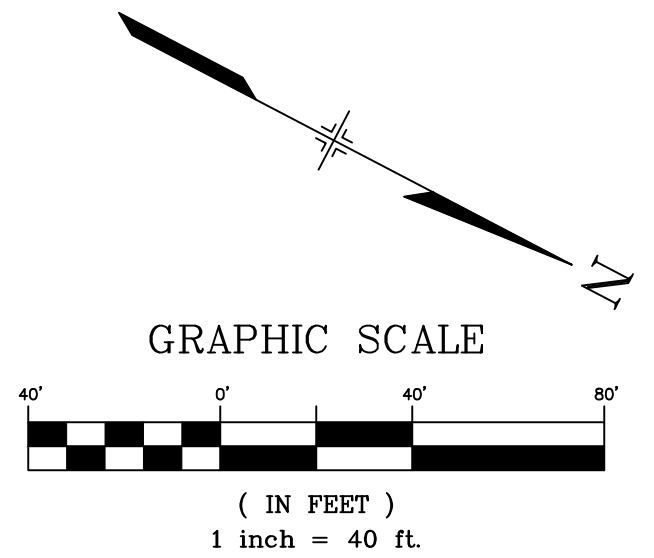
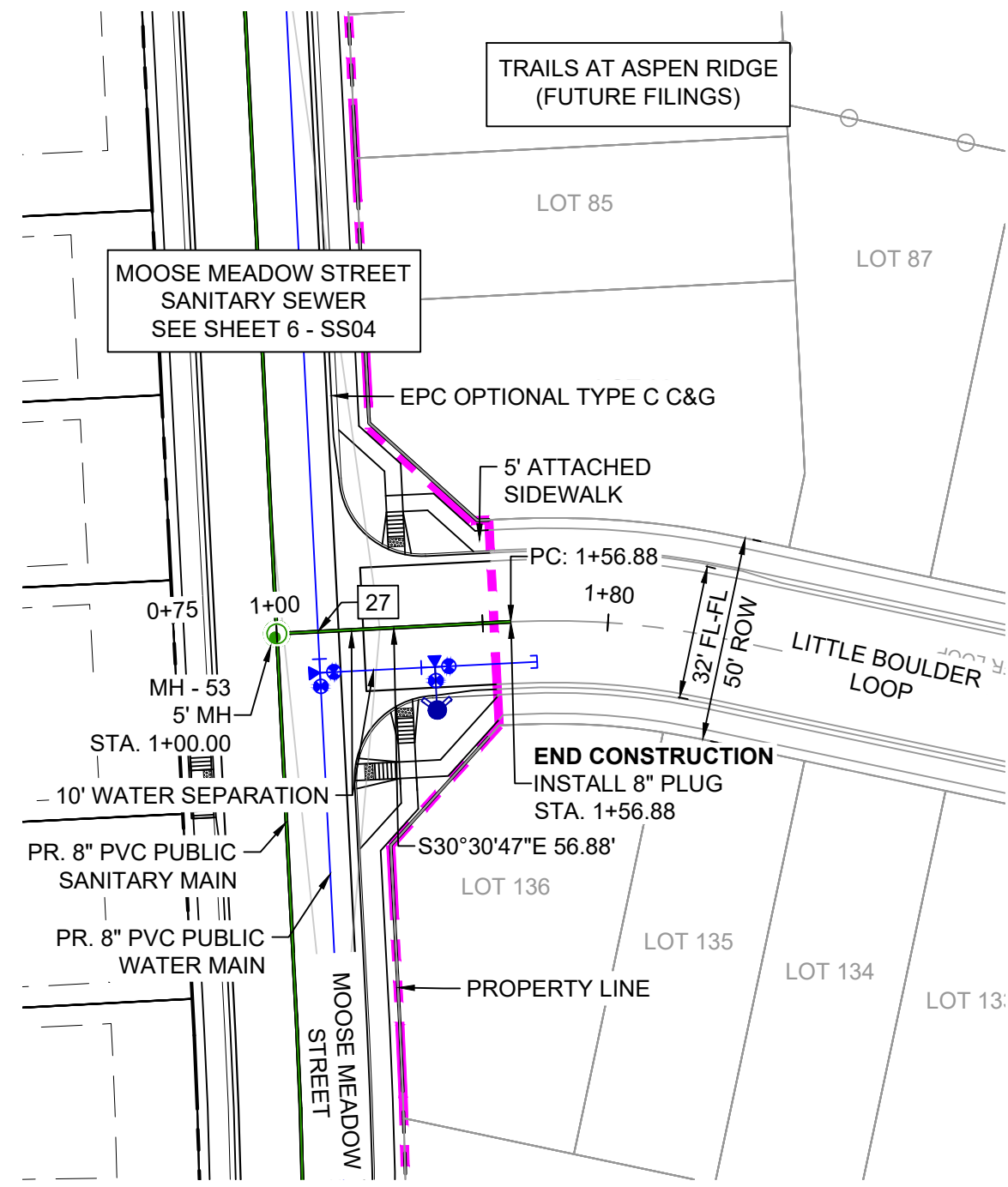
Know what's below.
Call before you dig.



DRINKING HORSE - SAN PROFILE
SCALE: (H) 1" = 40' (V) 1" = 10'
START STA: 0+75.00, END STA: 1+87.45



GOLDEN ROUT - SAN PROFILE
SCALE: (H) 1" = 40' (V) 1" = 10'
START STA: 0+75.00, END STA: 1+62.00

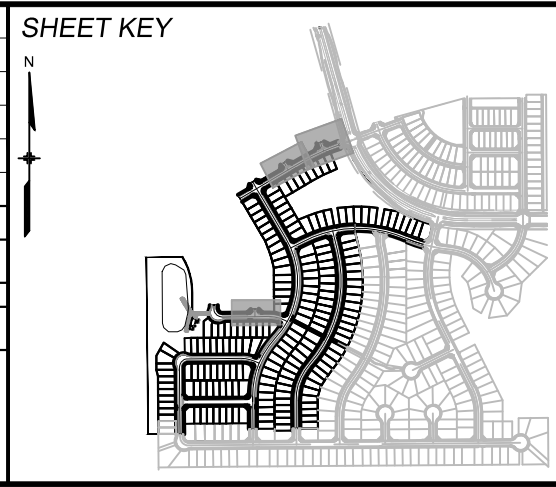


LITTLE BOULDER - SAN PROFILE
SCALE: (H) 1" = 40' (V) 1" = 10'
START STA: 0+75.00, END STA: 2+09.18

| UTILITY CROSSING DETAILS | | | | |
|--------------------------|-------------------------|-------------------------|--------------------------|------------|
| CROSSING # | N & E | TOP OF PIPE | BTM OF PIPE | VERT. SEP. |
| 24 | N 7279.35 E 12768.92 | 8" PVC SEWER 5878.05 | 8" PVC WATER 5884.88 | 6.83' |
| 25 | N 7306.17 E 12757.74 | 8" PVC SEWER 5879.54 | 18" RCP STORM 5881.75 | 2.21' |
| 26 | N 6276.57 E 12343.41 | 8" PVC SEWER 5870.07 | 24" RCP STORM 5879.34 | 9.27' |
| 27 | N 7160.33 E 12547.35 | 8" PVC SEWER 5890.09 | 8" PVC WATER 5895.84 | 5.75' |

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

| REFERENCE DRAWINGS | | | |
|--|------|-------------|----|
| No. | DATE | DESCRIPTION | BY |
| COMPUTER FILE MANAGEMENT | | | |
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| CTB FILE: Matrix(black).ctb | | | |
| PLOT DATE: August 18, 2021 11:13:45 AM | | | |
| THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE. | | | |



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

BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S86°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)



| TRAILS AT ASPEN RIDGE | | | | |
|---|-----|-----------------|--------------|---------------------|
| FILING NO. 3 8" SANITARY SEWER PLANS | | | | |
| WASTEWATER PLAN & PROFILE | | | | |
| DESIGNED BY: | BAS | SCALE | DATE ISSUED: | AUGUST 2021 |
| DRAWN BY: | BAS | HORIZ. 1" = 40' | | |
| CHECKED BY: | NMS | VERT. 1" = 10' | SHEET | 12 OF 15 |
| FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 20.886.028 | | | | DRAWING No. SS10 |

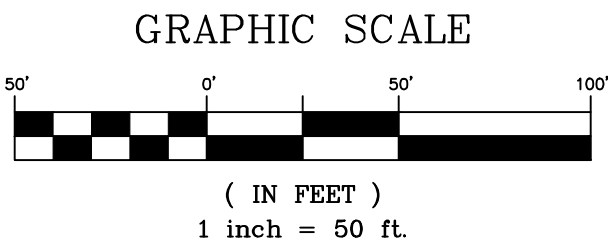
Sanitary service map for Tract F, showing lots 1 through 198, trails at Aspen Ridge, and various utility lines. The map includes a table of sanitary service data for lots 1 through 178.

| SANITARY SERVICE TABLE | | | | |
|------------------------|-------------|--------|----------|----------|
| LOT # | BEARING | LENGTH | NORTHING | EASTING |
| 1 | S76°20'52"W | 25.00 | 6695.79 | 12873.06 |
| 2 | S76°43'10"W | 25.00 | 6652.12 | 12883.66 |
| 3 | S78°42'52"W | 24.86 | 6619.59 | 12890.85 |
| 54 | N79°48'18"E | 25.02 | 6600.46 | 12843.62 |
| 55 | N76°21'15"E | 25.00 | 6650.20 | 12832.68 |
| 56 | N76°20'52"E | 25.00 | 6693.69 | 12822.11 |
| 57 | S74°15'19"W | 25.01 | 6606.81 | 12614.67 |
| 58 | S79°19'54"W | 24.99 | 6564.45 | 12624.82 |
| 157 | S77°28'19"W | 24.99 | 6571.52 | 12597.78 |
| 158 | S71°00'54"W | 25.35 | 6628.38 | 12582.11 |
| 159 | S64°40'58"W | 24.62 | 6684.00 | 12558.53 |
| 160 | S59°35'55"W | 25.00 | 6734.39 | 12531.49 |
| 161 | S59°35'55"W | 25.00 | 6773.20 | 12508.72 |
| 162 | S59°35'55"W | 25.00 | 6812.02 | 12485.95 |
| 163 | S59°35'55"W | 25.00 | 6862.54 | 12456.31 |
| 164 | S59°35'55"W | 25.00 | 6889.64 | 12440.41 |
| 165 | S59°35'55"W | 25.00 | 6928.45 | 12417.63 |
| 166 | S59°35'55"W | 25.01 | 6967.27 | 12394.87 |
| 167 | N21°39'35"W | 25.00 | 7258.88 | 12811.08 |
| 168 | N21°54'35"W | 25.02 | 7239.69 | 12765.56 |
| 169 | N28°42'39"W | 24.98 | 7218.80 | 12721.29 |
| 170 | N28°48'52"W | 25.04 | 7196.09 | 12677.94 |
| 171 | N30°30'47"W | 25.06 | 7172.07 | 12636.20 |
| 172 | N30°30'47"W | 25.05 | 7149.22 | 12597.43 |
| 173 | N30°30'47"W | 25.04 | 7120.38 | 12548.50 |
| 174 | N30°30'47"W | 25.03 | 7097.53 | 12509.73 |
| 175 | N59°35'55"E | 27.27 | 6994.99 | 12378.63 |
| 176 | N59°35'55"E | 25.00 | 6932.77 | 12415.10 |
| 177 | N59°35'55"E | 25.00 | 6893.95 | 12437.88 |
| 178 | N59°35'56"E | 25.02 | 6866.85 | 12453.78 |

| SANITARY SERVICE TABLE | | | | |
|------------------------|-------------|--------|----------|----------|
| LOT # | BEARING | LENGTH | NORTHING | EASTING |
| 1 | S76°20'52"W | 25.00 | 6696.79 | 12873.06 |
| 2 | S76°43'10"W | 25.00 | 6652.12 | 12863.66 |
| 3 | S78°42'52"W | 24.86 | 6619.59 | 12860.85 |
| 54 | N79°46'18"E | 25.02 | 6600.46 | 12843.62 |
| 55 | N76°21'15"E | 25.00 | 6650.20 | 12832.68 |
| 56 | N76°20'52"E | 25.00 | 6693.69 | 12822.11 |
| 57 | S74°15'19"W | 25.01 | 6606.81 | 12614.67 |
| 58 | S79°19'54"W | 24.99 | 6564.45 | 12624.82 |
| 59 | S77°28'19"W | 24.99 | 6571.52 | 12597.78 |
| 158 | S71°00'54"W | 25.35 | 6628.38 | 12582.11 |
| 159 | S64°40'58"W | 24.62 | 6684.00 | 12558.53 |
| 160 | S59°35'55"W | 25.00 | 6734.39 | 12531.49 |
| 161 | S69°35'55"W | 25.00 | 6773.20 | 12508.72 |
| 162 | S69°35'55"W | 25.00 | 6812.02 | 12485.95 |
| 163 | S59°35'55"W | 25.00 | 6862.54 | 12456.31 |
| 164 | S69°35'55"W | 25.00 | 6889.64 | 12440.41 |
| 165 | S59°35'55"W | 25.00 | 6928.45 | 12417.63 |
| 166 | S69°35'55"W | 25.01 | 6967.27 | 12394.87 |
| 167 | N21°39'35"S | 25.02 | 7258.88 | 12811.08 |
| 168 | N21°54'35"S | 25.02 | 7239.69 | 12765.56 |
| 169 | N28°42'39"W | 24.98 | 7218.80 | 12721.29 |
| 170 | N28°48'52"W | 25.04 | 7196.09 | 12677.94 |
| 171 | N30°30'47"W | 25.06 | 7172.07 | 12636.20 |
| 172 | N30°30'47"W | 25.05 | 7149.22 | 12597.43 |
| 173 | N30°30'47"W | 25.04 | 7120.38 | 12548.50 |
| 174 | N30°30'47"W | 25.03 | 7097.53 | 12509.73 |
| 175 | N69°35'55"E | 27.27 | 6994.99 | 12378.63 |
| 176 | N69°35'55"E | 25.00 | 6932.77 | 12415.10 |
| 177 | N69°35'55"E | 25.00 | 6893.95 | 12347.88 |
| 178 | N59°35'56"E | 25.02 | 6866.85 | 12453.78 |

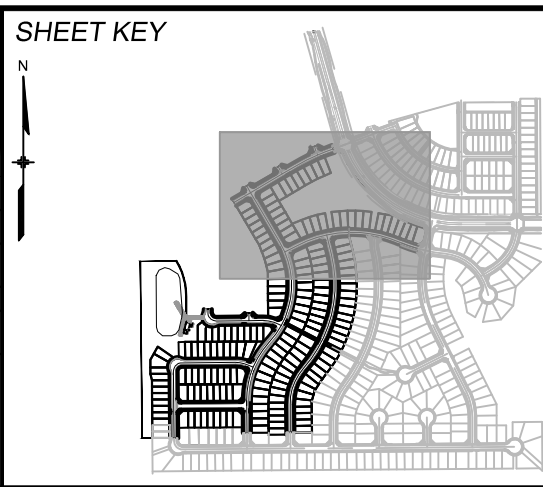
| SANITARY SERVICE TABLE | | | | |
|------------------------|-------------|--------|----------|----------|
| LOT # | BEARING | LENGTH | NORTHING | EASTING |
| 179 | N59°35'55"E | 24.67 | 6816.50 | 12483.71 |
| 180 | N59°35'55"E | 25.01 | 6777.52 | 12506.19 |
| 181 | N59°35'55"E | 25.00 | 6738.70 | 12526.96 |
| 182 | S60°55'11"W | 25.29 | 6720.16 | 12568.83 |
| 183 | N21°09'39"W | 24.98 | 6737.68 | 12717.82 |
| 184 | N17°53'53"W | 24.98 | 6751.86 | 12757.80 |
| 185 | N14°38'07"W | 24.98 | 6763.74 | 12798.52 |
| 186 | N11°50'40"W | 25.00 | 6771.01 | 12828.95 |
| 187 | N05°26'15"W | 24.98 | 6784.56 | 12916.17 |
| 188 | N02°10'29"W | 24.98 | 6787.38 | 12958.49 |
| 189 | N02°08'46"E | 25.22 | 6787.55 | 13000.91 |
| 190 | N04°21'03"E | 25.15 | 6785.60 | 13042.27 |
| 191 | N07°36'49"E | 25.10 | 6781.66 | 13082.19 |
| 192 | N10°26'56"E | 25.00 | 6774.02 | 13129.92 |
| 193 | N14°23'20"E | 25.03 | 6785.93 | 13166.31 |
| 194 | N17°15'50"E | 25.00 | 6755.93 | 13202.67 |
| 195 | N20°10'25"E | 24.84 | 6744.08 | 13238.50 |
| 196 | N23°05'22"E | 24.59 | 6730.44 | 13273.67 |
| 197 | N21°14'47"E | 25.02 | 6713.56 | 13314.75 |
| 198 | N17°46'48"E | 25.02 | 6697.76 | 13358.95 |
| 201 | N74°1'92"E | 25.00 | 7311.96 | 12729.50 |
| 202 | S73°22'42"W | 35.60 | 7324.08 | 12789.03 |
| 203 | N30°30'47"W | 25.00 | 7073.34 | 12419.44 |
| 204 | N30°30'47"W | 25.00 | 7091.11 | 12449.60 |
| 205 | N30°30'47"W | 25.00 | 7108.88 | 12479.75 |
| 206 | S30°30'47"E | 25.18 | 7148.86 | 12497.98 |

NOTE: LOTS 201-206 ARE FUTURE LOT SANITARY LINES TO BE BUILT AS PART OF TRAILS AT ASPEN RIDGE F3



THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

| | | | | | |
|-------------------------------|--|------|-------------|--|----|
| REFERENCE DRAWINGS | | | | | |
| | | | | | |
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| | | | | | |
| | No. | DATE | DESCRIPTION | | BY |
| | REVISIONS | | | | |
| | COMPUTER FILE MANAGEMENT | | | | |
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| | PLOT DATE: August 18, 2021 11:15:00 AM | | | | |
| | THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE. | | | | |

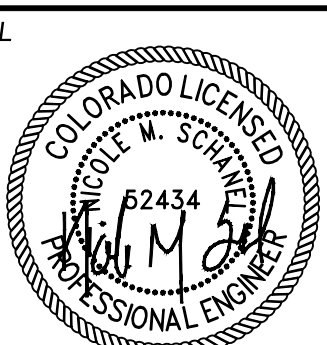


BENCHMARK
 COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
 A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A
 ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS
 BOULEVARD,
 ELEVATION - 5897.89' U.S. SURVEY FT

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

PREPARED BY:

 **Matrix**

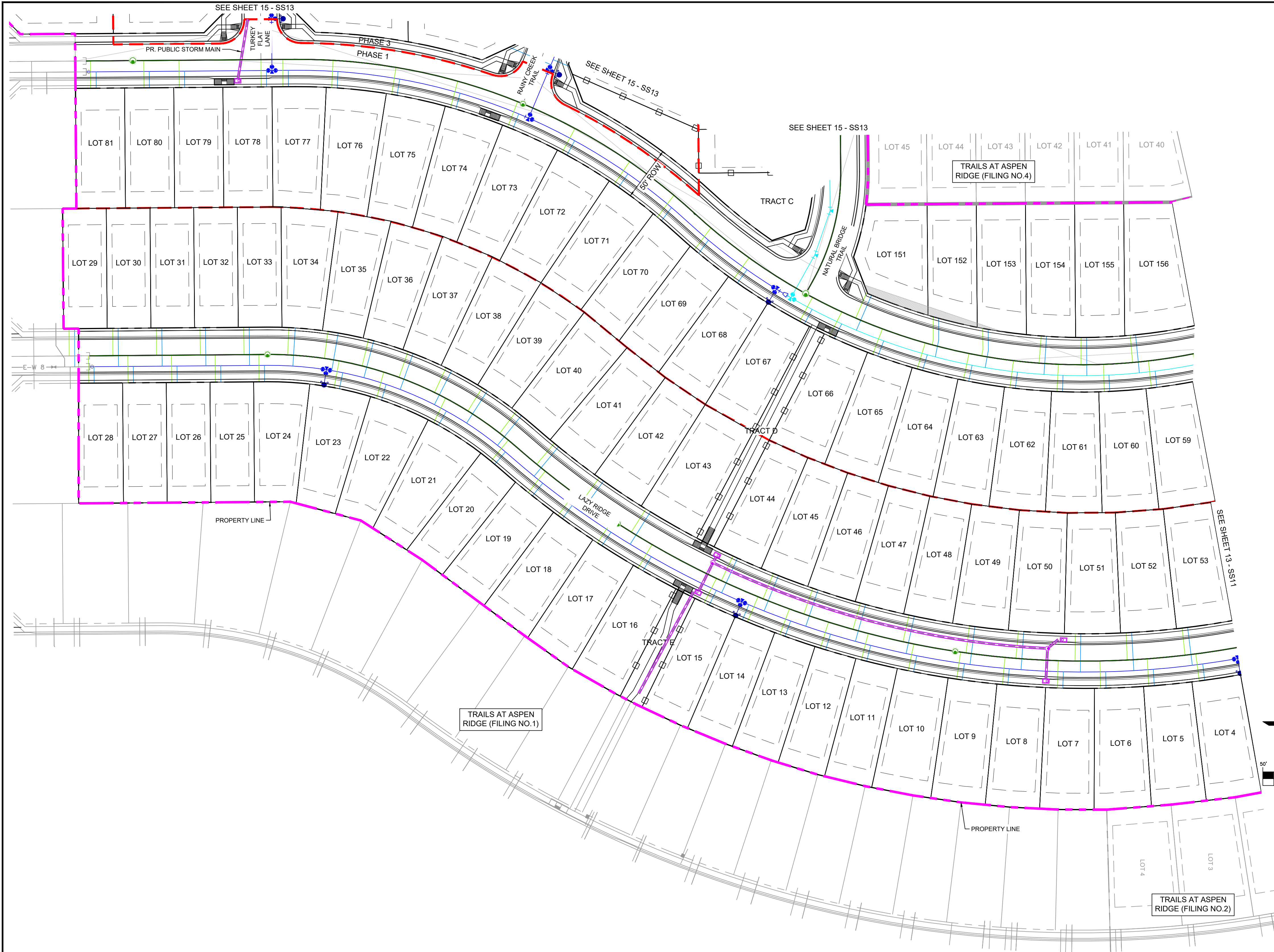


FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 20.886.028

| | | | |
|---|-----|-----------------|----------------|
| <i>TRAILS AT ASPEN RIDGE</i> | | | |
| FILING NO. 3 8" SANITARY SEWER PLANS | | | |
| SANITARY SERVICE PLAN | | | |
| DESIGNED BY: | BAS | SCALE | DATE ISSUED: |
| DRAWN BY: | BAS | HORIZ. 1" = 50' | AUGUST 2021 |
| CHECKED BY: | NMS | VERT. N/A | SHEET 13 OF 15 |
| | | | SS11 |

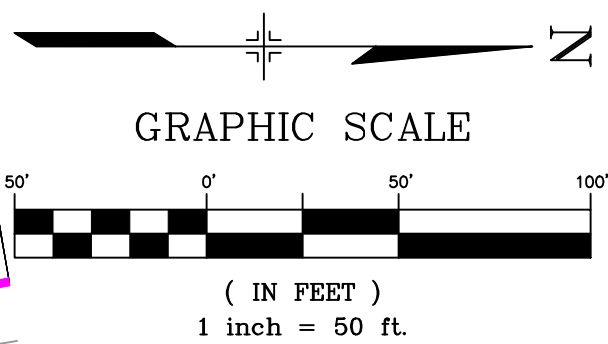


Know what's below.
Call before you dig.



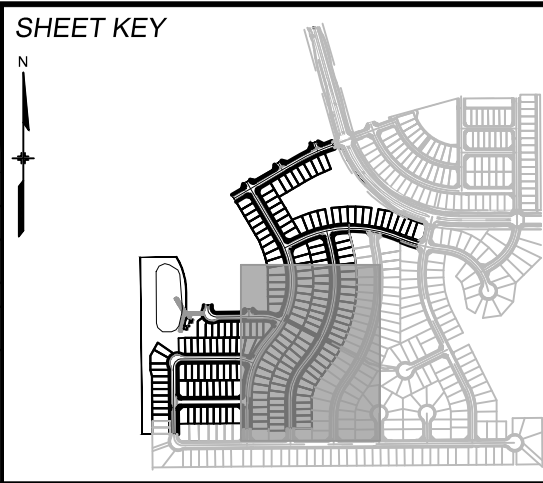
| SANITARY SERVICE TABLE | | | | |
|------------------------|-------------|--------|----------|----------|
| LOT # | BEARING | LENGTH | NORTHING | EASTING |
| 4 | S82°41'48"W | 25.00 | 6565.52 | 12899.99 |
| 5 | S86°36'31"W | 25.00 | 6519.28 | 12904.44 |
| 6 | S88°58'30"W | 25.00 | 6475.03 | 12906.44 |
| 7 | N88°14'37"W | 25.00 | 6435.57 | 12906.19 |
| 8 | N84°27'14"W | 25.00 | 6385.19 | 12903.08 |
| 9 | S81°43'04"E | 24.98 | 6346.97 | 12873.37 |
| 10 | N78°11'31"W | 25.00 | 6299.03 | 12890.31 |
| 11 | N75°26'29"W | 25.00 | 6256.12 | 12880.47 |
| 12 | N72°41'26"W | 25.00 | 6218.59 | 12869.75 |
| 13 | N69°34'34"W | 25.00 | 6181.47 | 12857.19 |
| 14 | N67°20'04"W | 24.98 | 6151.81 | 12845.71 |
| 15 | N63°18'17"W | 24.92 | 6112.21 | 12828.19 |
| 16 | N59°27'53"W | 25.00 | 6051.74 | 12796.35 |
| 17 | N56°22'12"W | 25.00 | 6014.40 | 12773.26 |
| 18 | N53°16'32"W | 25.00 | 5978.36 | 12748.19 |
| 19 | N51°36'30"W | 24.94 | 5951.09 | 12727.30 |
| 20 | N50°25'50"W | 25.00 | 5916.95 | 12698.43 |
| 21 | N64°12'58"W | 25.02 | 5864.54 | 12663.27 |
| 22 | N74°34'48"W | 25.02 | 5812.19 | 12641.05 |
| 23 | S79°23'21"E | 25.00 | 5777.99 | 12606.64 |
| 24 | N89°33'37"E | 25.00 | 5704.50 | 12600.86 |
| 25 | N89°33'37"E | 25.00 | 5664.50 | 12601.17 |
| 26 | N89°33'37"E | 25.00 | 5624.50 | 12601.47 |
| 27 | N89°33'37"E | 25.00 | 5584.50 | 12601.78 |
| 28 | N89°33'37"E | 25.00 | 5548.51 | 12602.06 |
| 29 | N89°33'35"E | 25.00 | 5530.69 | 12577.19 |
| 30 | N89°33'35"E | 25.00 | 5570.69 | 12576.89 |
| 31 | N89°33'35"E | 25.00 | 5610.68 | 12576.58 |
| 32 | N89°33'35"E | 25.00 | 5650.68 | 12576.27 |
| 33 | N89°33'35"E | 25.00 | 5690.68 | 12575.96 |
| 34 | S87°20'43"E | 24.77 | 5732.01 | 12576.18 |
| 35 | S82°31'38"E | 24.97 | 5767.70 | 12579.59 |
| 36 | S76°36'38"E | 24.97 | 5804.86 | 12586.96 |
| 37 | S70°41'38"E | 24.97 | 5841.06 | 12598.11 |
| 38 | S64°46'37"E | 24.97 | 5875.92 | 12612.94 |
| 39 | S58°17'04"E | 25.03 | 5909.02 | 12631.26 |
| 40 | S52°56'36"E | 24.97 | 5940.14 | 12652.95 |
| 41 | S50°06'16"E | 25.02 | 5974.95 | 12682.15 |
| 42 | S53°59'44"E | 25.02 | 6016.01 | 12713.74 |
| 43 | S57°45'22"E | 25.03 | 6058.78 | 12742.26 |
| 44 | S65°02'28"E | 25.00 | 6138.52 | 12785.32 |

| SANITARY SERVICE TABLE | | | | |
|------------------------|-------------|--------|----------|----------|
| LOT # | BEARING | LENGTH | NORTHING | EASTING |
| 45 | S67°44'34"E | 25.10 | 6175.55 | 12801.37 |
| 46 | S70°35'43"E | 25.02 | 6211.71 | 12814.88 |
| 47 | S74°23'24"E | 25.02 | 6255.17 | 12828.43 |
| 48 | S77°27'28"E | 25.02 | 6299.68 | 12839.43 |
| 49 | N82°45'42"W | 25.07 | 6351.91 | 12874.16 |
| 50 | S84°45'02"E | 25.02 | 6399.85 | 12854.22 |
| 51 | S89°21'45"E | 25.00 | 6452.00 | 12866.52 |
| 52 | N87°56'51"E | 25.02 | 6498.59 | 12855.62 |
| 53 | N84°08'49"E | 25.02 | 6549.84 | 12851.32 |
| 59 | S83°51'37"W | 24.98 | 6521.64 | 12631.54 |
| 60 | S88°23'12"W | 24.98 | 6478.47 | 12634.86 |
| 61 | N87°05'16"W | 24.98 | 6435.22 | 12634.76 |
| 62 | N82°34'01"W | 24.97 | 6392.13 | 12631.26 |
| 63 | N78°02'44"W | 24.96 | 6349.46 | 12624.37 |
| 64 | N73°05'36"W | 24.95 | 6307.29 | 12614.09 |
| 65 | N69°00'34"W | 24.94 | 6266.45 | 12600.65 |
| 66 | N62°37'41"W | 24.97 | 6226.71 | 12584.01 |
| 67 | N61°47'19"W | 24.96 | 6199.59 | 12570.45 |
| 68 | N53°48'23"W | 25.00 | 6138.53 | 12532.43 |
| 69 | N53°01'52"W | 25.05 | 6103.29 | 12504.89 |
| 70 | N53°02'20"W | 25.03 | 6069.45 | 12475.02 |
| 71 | N55°41'21"W | 24.99 | 6029.79 | 12444.86 |
| 72 | N61°49'49"W | 25.00 | 5982.13 | 12415.87 |
| 73 | N68°35'04"W | 25.00 | 5932.31 | 12392.56 |
| 74 | N74°48'14"W | 25.00 | 5880.03 | 12374.70 |
| 75 | N81°01'25"W | 25.00 | 5826.12 | 12362.61 |
| 76 | N87°14'42"W | 25.00 | 5771.22 | 12356.43 |
| 77 | S89°33'36"W | 25.00 | 5726.58 | 12355.68 |
| 78 | S89°33'36"W | 25.00 | 5706.57 | 12355.84 |
| 79 | S89°33'36"W | 25.00 | 5631.58 | 12356.41 |
| 80 | N89°33'35"E | 25.00 | 5599.09 | 12331.66 |
| 81 | S89°33'35"W | 25.00 | 5550.59 | 12357.03 |
| 151 | S66°41'08"E | 25.04 | 6260.82 | 12544.51 |
| 152A | S78°45'00"E | 4.84 | 6321.88 | 12587.16 |
| 152B | N90°00'00"E | 20.90 | 6321.88 | 12566.26 |
| 153A | S79°54'29"E | 5.88 | 6367.35 | 12596.35 |
| 153B | N89°33'35"E | 19.47 | 6367.20 | 12576.88 |
| 154 | N85°41'44"W | 24.97 | 6418.82 | 12608.74 |
| 155 | N89°54'49"W | 24.64 | 6457.23 | 12609.88 |
| 156 | S84°54'50"W | 24.66 | 6504.38 | 12607.85 |



THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

| REFERENCE DRAWINGS | | | |
|--|------|-------------|----|
| No. | DATE | DESCRIPTION | BY |
| COMPUTER FILE MANAGEMENT | | | |
| FILE NAME: S:\20.886.028 (Trails F3)\100 Dwg\104 Plan Sets\Construction Plans\Utility Plans\Sanitary Plan\SS11.dwg | | | |
| CTB FILE: Matrix(black).ctb | | | |
| PLOT DATE: August 18, 2021 11:15:11 AM | | | |
| THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE. | | | |



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

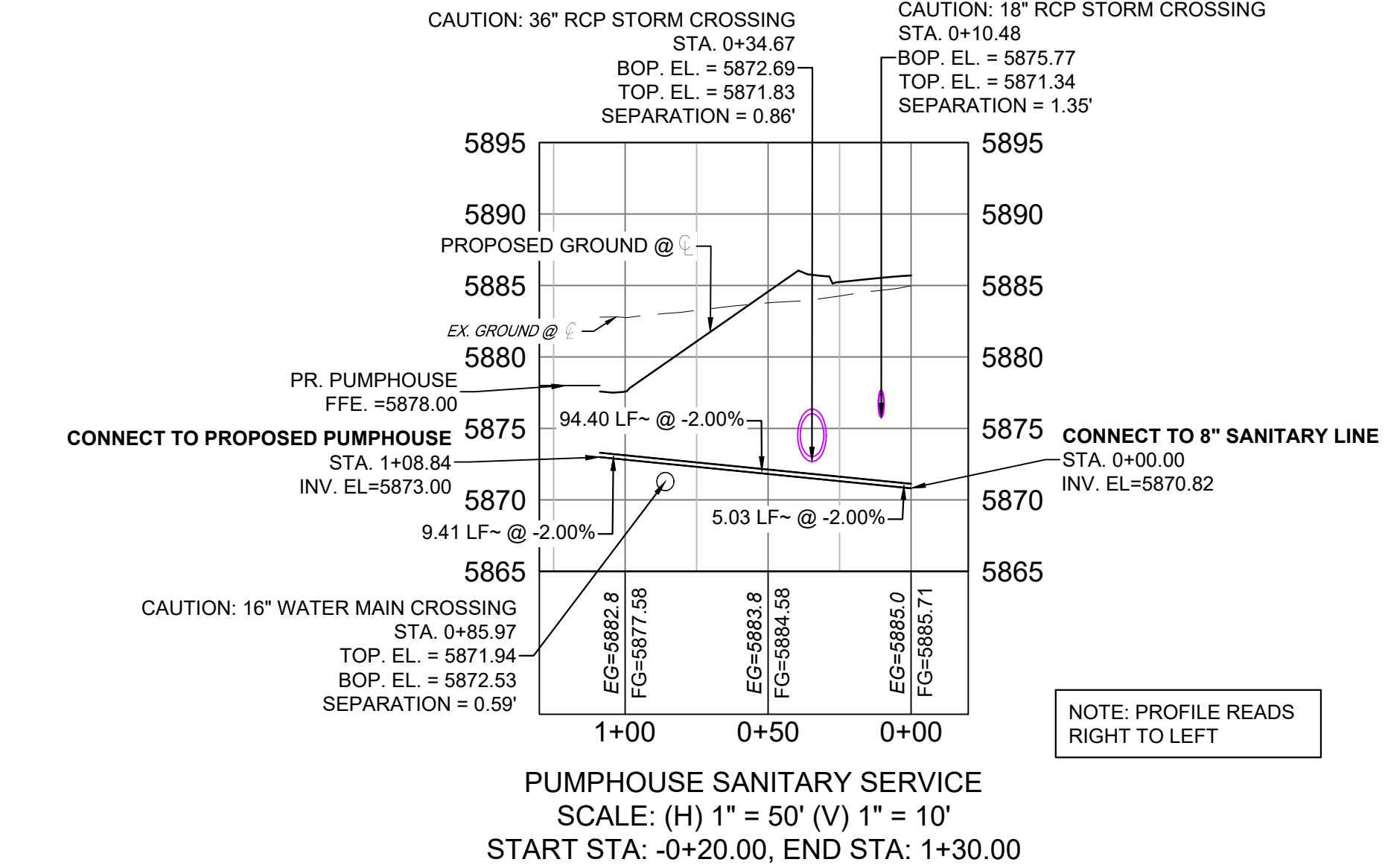
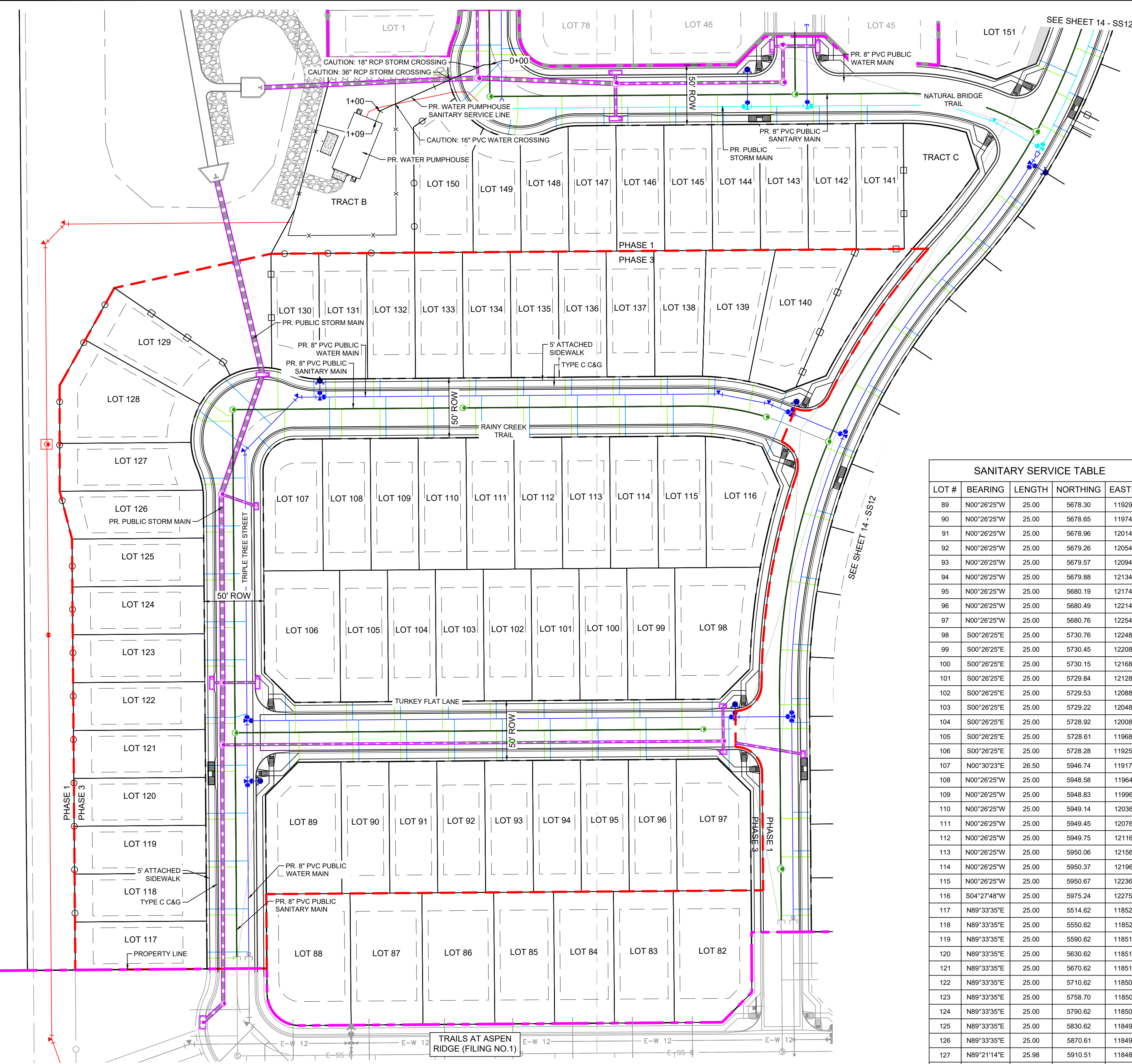
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS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



| TRAILS AT ASPEN RIDGE | | | |
|---|-----|------------------------------|---------------------------------|
| FILING NO. 3 8" SANITARY SEWER PLANS | | | |
| SANITARY SERVICE PLAN | | | |
| DESIGNED BY: | BAS | SCALE | DATE ISSUED: |
| CHECKED BY: | NMS | HORIZ. 1" = 50' VERT. N/A | AUGUST 2021 |
| FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 20.886.028 | | | DRAWING No. 14 OF 15 SS12 |



Know what's below.
Call before you dig.

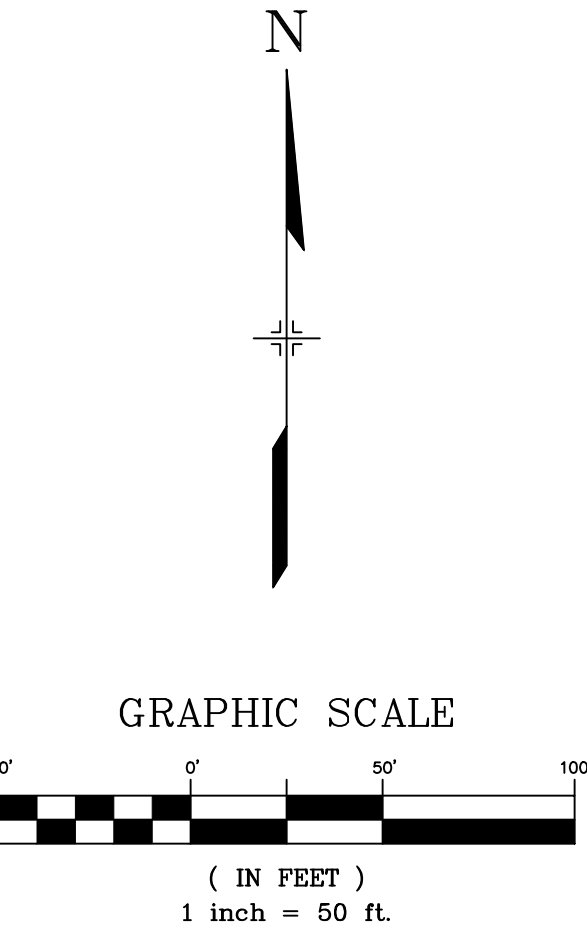


| SANITARY SERVICE TABLE | | | | |
|------------------------|-------------|--------|----------|----------|
| LOT # | BEARING | LENGTH | NORTHING | EASTING |
| 89 | N00°26'25"W | 25.00 | 5678.30 | 11929.32 |
| 90 | N00°26'25"W | 25.00 | 5678.65 | 11974.28 |
| 91 | N00°26'25"W | 25.00 | 5678.96 | 12014.28 |
| 92 | N00°26'25"W | 25.00 | 5679.26 | 12054.28 |
| 93 | N00°26'25"W | 25.00 | 5679.57 | 12094.28 |
| 94 | N00°26'25"W | 25.00 | 5679.88 | 12134.28 |
| 95 | N00°26'25"W | 25.00 | 5680.19 | 12174.28 |
| 96 | N00°26'25"W | 25.00 | 5680.49 | 12214.28 |
| 97 | N00°26'25"W | 25.00 | 5680.76 | 12254.28 |
| 98 | S00°26'25"E | 25.00 | 5730.76 | 12248.89 |
| 99 | S00°26'25"E | 25.00 | 5730.45 | 12208.89 |
| 100 | S00°26'25"E | 25.00 | 5730.15 | 12168.89 |
| 101 | S00°26'25"E | 25.00 | 5729.84 | 12128.90 |
| 102 | S00°26'25"E | 25.00 | 5729.53 | 12088.90 |
| 103 | S00°26'25"E | 25.00 | 5729.22 | 12048.90 |
| 104 | S00°26'25"E | 25.00 | 5728.92 | 12008.90 |
| 105 | S00°26'25"E | 25.00 | 5728.61 | 11968.90 |
| 106 | S00°26'25"E | 25.00 | 5728.28 | 11928.94 |
| 107 | N00°30'23"E | 26.50 | 5946.74 | 11917.15 |
| 108 | N00°26'25"W | 25.00 | 5948.58 | 11964.91 |
| 109 | N00°26'25"W | 25.00 | 5948.83 | 11996.91 |
| 110 | N00°26'25"W | 25.00 | 5949.14 | 12036.91 |
| 111 | N00°26'25"W | 25.00 | 5949.45 | 12076.91 |
| 112 | N00°26'25"W | 25.00 | 5949.75 | 12116.91 |
| 113 | N00°26'25"W | 25.00 | 5950.06 | 12156.91 |
| 114 | N00°26'25"W | 25.00 | 5950.37 | 12196.91 |
| 115 | N00°26'25"W | 25.00 | 5950.67 | 12236.90 |
| 116 | S04°27'48"W | 25.00 | 5975.24 | 12275.67 |
| 117 | N89°33'35"E | 25.00 | 5514.62 | 11852.29 |
| 118 | N89°33'35"E | 25.00 | 5550.62 | 11852.01 |
| 119 | N89°33'35"E | 25.00 | 5590.62 | 11851.70 |
| 120 | N89°33'35"E | 25.00 | 5630.62 | 11851.39 |
| 121 | N89°33'35"E | 25.00 | 5670.62 | 11851.09 |
| 122 | N89°33'35"E | 25.00 | 5710.62 | 11850.78 |
| 123 | N89°33'35"E | 25.00 | 5758.70 | 11850.41 |
| 124 | N89°33'35"E | 25.00 | 5790.62 | 11850.16 |
| 125 | N89°33'35"E | 25.00 | 5830.62 | 11849.86 |
| 126 | N89°33'35"E | 25.00 | 5870.61 | 11849.55 |
| 127 | N89°21'14"E | 25.98 | 5910.51 | 11848.27 |
| 128 | S89°39'54"W | 24.76 | 5963.32 | 11873.85 |

| SANITARY SERVICE TABLE | | | | |
|------------------------|-------------|--------|----------|----------|
| LOT # | BEARING | LENGTH | NORTHING | EASTING |
| 128A | S51°59'02"E | 8.38 | 5968.34 | 11842.48 |
| 128B | N89°42'35"W | 4.20 | 5967.88 | 11873.80 |
| 129A | S55°57'35"E | 24.58 | 5981.66 | 11849.24 |
| 129B | S00°26'25"E | 33.25 | 6006.76 | 11911.46 |
| 130 | S00°26'25"E | 25.00 | 5998.54 | 11959.53 |
| 131 | S00°26'25"E | 25.00 | 5998.79 | 11991.53 |
| 132 | S00°26'25"E | 25.00 | 5999.10 | 12031.53 |
| 133 | S00°26'25"E | 25.00 | 5999.41 | 12071.52 |
| 134 | S00°26'25"E | 25.00 | 5999.71 | 12111.52 |
| 135 | S00°26'25"E | 25.00 | 6000.02 | 12151.52 |
| 136 | S00°26'25"E | 25.00 | 6000.33 | 12191.52 |
| 137 | S00°26'25"E | 25.00 | 6000.63 | 12231.52 |
| 138 | S03°01'05"W | 25.00 | 6000.54 | 12271.95 |
| 139 | S10°21'16"W | 25.03 | 5995.41 | 12309.29 |
| 140 | N00°26'25"W | 25.00 | 6211.93 | 12398.92 |
| 141 | N00°26'25"W | 25.00 | 6211.62 | 12358.93 |
| 142 | S00°26'25"E | 25.00 | 6236.35 | 12323.18 |
| 143 | N00°26'25"W | 25.00 | 6211.01 | 12278.93 |
| 144 | N00°26'25"W | 25.00 | 6210.70 | 12238.93 |
| 145 | S00°26'25"E | 25.00 | 6235.39 | 12198.74 |
| 146 | N00°26'45"W | 25.00 | 6210.31 | 12188.93 |
| 147 | N00°26'25"W | 26.20 | 6208.61 | 12148.94 |
| 148 | S00°34'55"E | 15.48 | 6234.71 | 12111.97 |
| 149A | N10°25'10"E | 19.91 | 6199.64 | 12108.53 |
| 149B | N89°33'35"E | 2.00 | 6244.97 | 12086.56 |
| 150A | N44°30'45"E | 29.97 | 6223.60 | 12065.55 |
| 150B | N89°33'35"E | 5.00 | 6276.84 | 12083.32 |

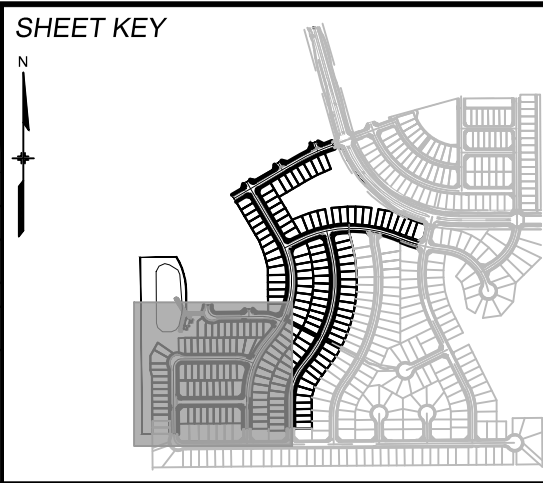
| SANITARY SERVICE TABLE | | | | |
|------------------------|-------------|--------|----------|----------|
| LINE # | BEARING | LENGTH | NORTHING | EASTING |
| 207 | S89°33'35"W | 5.01 | 6261.06 | 12088.44 |
| 208 | S66°02'09"W | 94.40 | 6261.02 | 12083.43 |
| 209 | S22°03'35"W | 9.41 | 6222.68 | 11997.17 |

NOTE: LINES 207-209 ARE SANITARY LINES TO BE BUILT AS PART OF THE PROPOSED PUMPHOUSE



THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

| REFERENCE DRAWINGS | | | |
|--|------|-------------|----|
| No. | DATE | DESCRIPTION | BY |
| COMPUTER FILE MANAGEMENT | | | |
| FILE NAME: S:\20.886.028 (Trails F3)\100 Dwg\104 Plan Sets\Construction Plans\Utility Plans\Sanitary Plan\SS11.dwg | | | |
| CTB FILE: Matrix(black).ctb | | | |
| PLOT DATE: August 18, 2021 11:15:22 AM | | | |
| THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE. | | | |



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

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



SEAL

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

| TRAILS AT ASPEN RIDGE | | | |
|---|-----|-----------------|------------------|
| FILING NO. 3 8" SANITARY SEWER PLANS | | | |
| SANITARY SERVICE PLAN | | | |
| DESIGNED BY: | BAS | SCALE | DATE ISSUED: |
| DRAWN BY: | BAS | HORIZ. 1" = 50' | AUGUST 2021 |
| CHECKED BY: | NMS | VERT. N/A | SHEET 15 OF 15 |
| | | | DRAWING No. SS13 |