

TRAILS AT ASPEN RIDGE - FILING NO. 3

EL PASO COUNTY, COLORADO

PUBLIC WATERLINE PLANS

AUGUST 2021

DWG No.	SHEET NAME	SHEET No.
TS01	TITLE SHEET	1
GN01	GENERAL NOTES, LEGEND, ABBREVIATIONS, OVERALL LAYOUT	2
WT01-WT11	WATERLINE PLAN AND PROFILE	3-13
WT12-WT14	WATERLINE SERVICE PLAN	14-16

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

NODE	FIRE FLOW (GPM)	PSI @ MDD
A	2297.03	32.3
B	2280.51	31.2
C	2260.96	24.0
D	2248.39	26.7
E	2290.32	30.7
F	2288.07	29.8
G	2285.07	30.8
H	2293.82	29.7
I	2294.29	27.8
J	2294.94	29.1
K	2293.70	30.0
L	2310.41	34.4
M	2253.16	23.6

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

NOTE: FIRE FLOW AND PRESSURE VALUES ARE PROVIDED BY WIDEFIELD DISTRICT ENGINEERING CONSULTANT BASED ON LATEST WATER MODELING.

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.

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

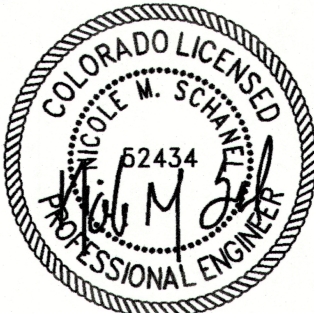
BASIS OF BEARING

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



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

TRAILS AT ASPEN RIDGE

FILING NO. 3
PUBLIC WATERLINE PLANS

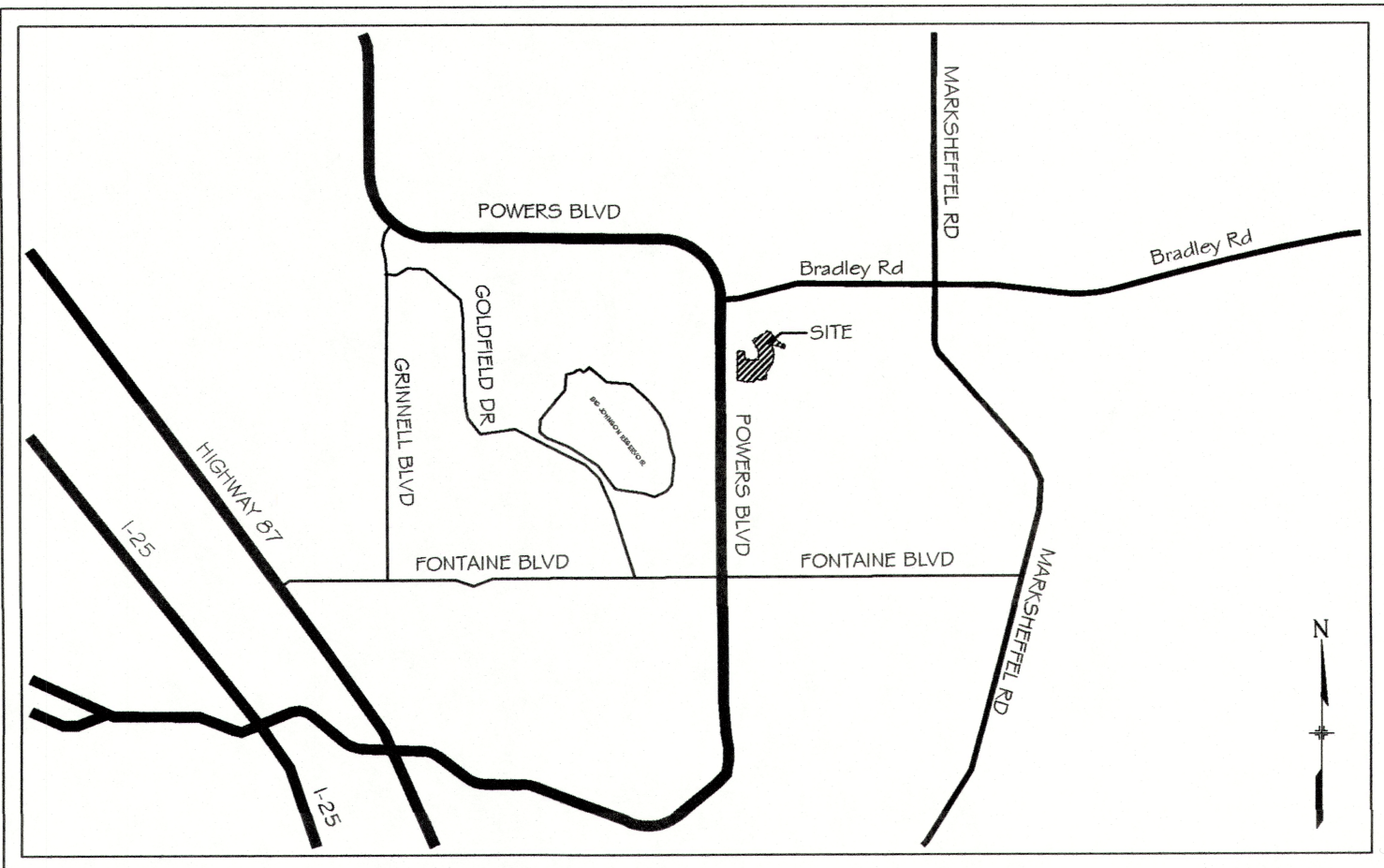
TITLE SHEET

DESIGNED BY:	BAS	SCALE	DATE ISSUED:	AUGUST 2021	DRAWING No.
DRAWN BY:	NMS	HORIZ. N/A			TS01
CHECKED BY:		VERT. N/A	SHEET	1 OF 16	

SHEET No. 1



Know what's below.
Call before you dig.



VICINITY MAP
N.T.S.

FIRE AUTHORITY APPROVAL

THE NUMBER OF FIRE HYDRANTS AND HYDRANT LOCATIONS SHOWN ON THIS WATER INSTALLATION PLAN ARE CORRECT AND ADEQUATE TO SATISFY THE FIRE PROTECTION REQUIREMENTS AS SPECIFIED BY THE FIRE DISTRICT SERVING THE PROPERTY NOTED ON THE PLANS.

FIRE PROTECTION DISTRICT SECURITY FIRE DEPARTMENT
SIGNED TSJ For Sill DATE 6-11-2021
FIRE PROTECTION DISTRICT

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 _____ DATE _____
OWNER/DEVELOPER

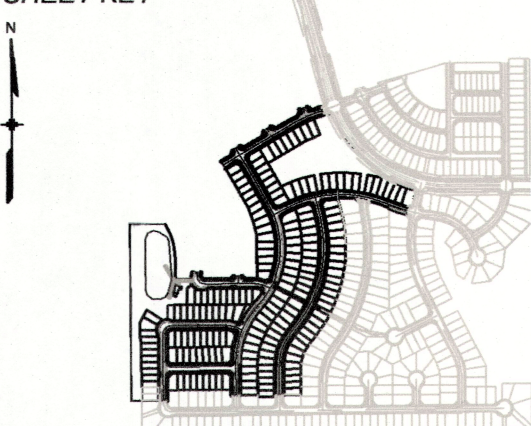
PRINT NAME _____

DBA _____

ADDRESS _____

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			REVISIONS	
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CTB FILE: Matrix(black).ctb				
PLOT DATE: August 17, 2021 1:12:35 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.
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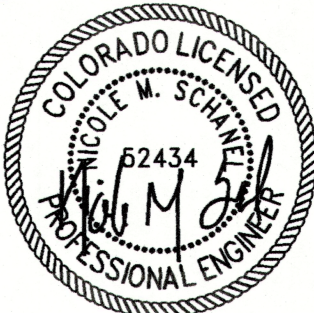
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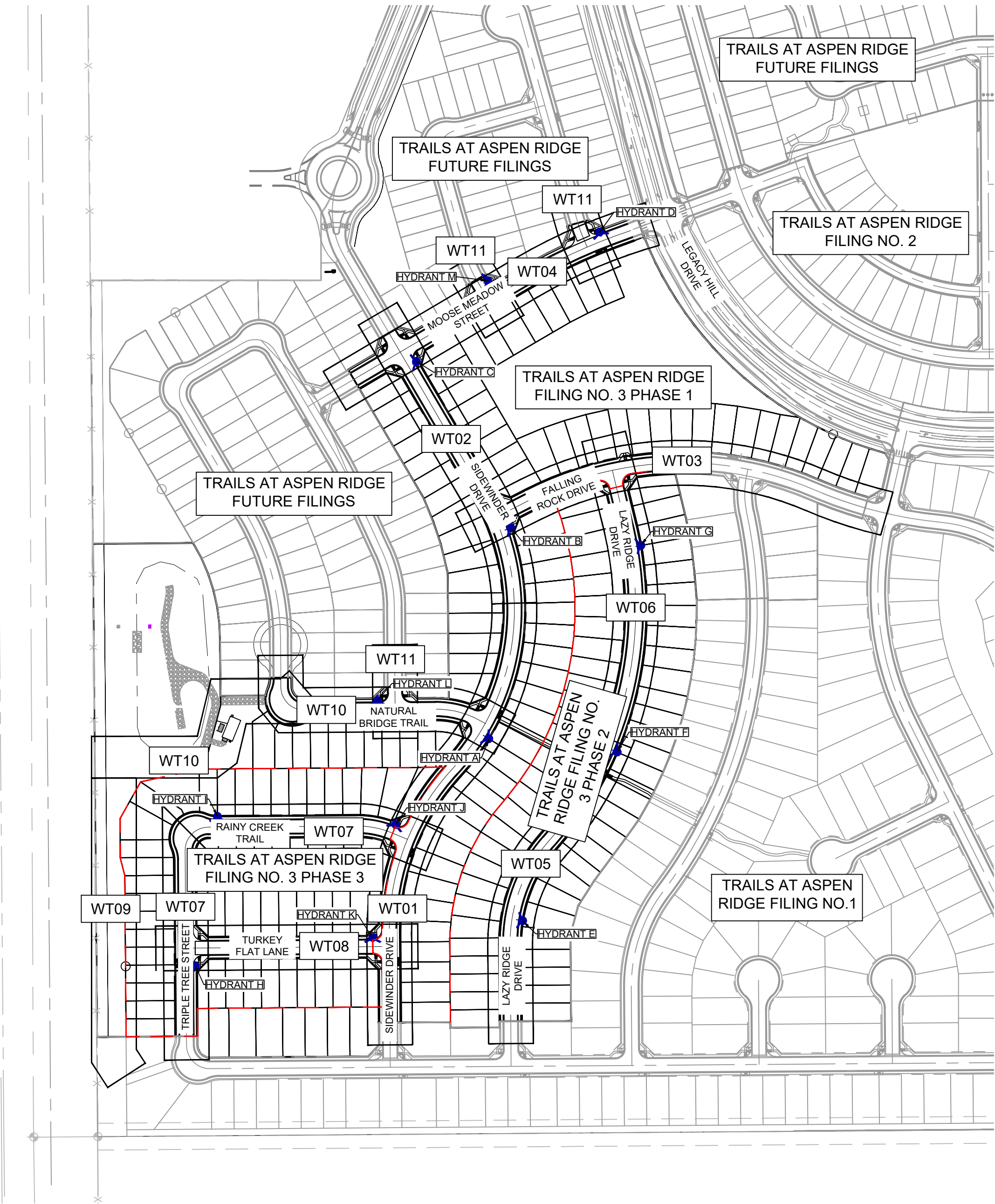
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DRAWN BY:	NMS	HORIZ. N/A			TS01
CHECKED BY:		VERT. N/A	SHEET	1 OF 16	

WIDEFIELD WATER AND SANITATION DISTRICT GENERAL NOTES

1. 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.
2. 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.
3. 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.
4. ALL DUCTILE IRON PIPE, TO INCLUDE FITTINGS, VALVES AND FIRE HYDRANTS WILL BE WRAPPED WITH POLYETHYLENE TUBING, AND ELECTRICALLY ISOLATED.
5. 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.
6. PVC MAIN LINES SHALL BE INSTALLED WITH COATED NO. 12 TRACER WIRE.
7. 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.
8. 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.
9. 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.
10. ALL BENDS SHALL BE FIELD STAKED PRIOR TO CONSTRUCTION.
11. ANY WATER UTILITY MATERIAL REMOVED AND NOT REUSED SHALL BE RETURNED TO THE WIDEFIELD WATER AND SANITATION DISTRICT IF THE DISTRICT SO REQUESTS.
12. 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.
13. ANY PUMPING OR BYPASS OPERATIONS MUST BE REVIEWED AND APPROVED PRIOR TO EXECUTION BY BOTH THE WIDEFIELD WATER AND SANITATION DISTRICT AND THE ENGINEER.
14. 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.
15. 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.
16. 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
CPLG.	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 (8")
	PROPOSED WATER (12")
	PROPOSED WATER (16")
	EXISTING STORM DRAIN
	PROPOSED STORM DRAIN
	EXISTING SAN. SEWER
	PROPOSED SAN. SEWER
	EXISTING MANHOLE
	PROPOSED MANHOLE
	MATCHLINE
	PHASE LINE



OVERALL LAYOUT

SCALE: 1" = 200'

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

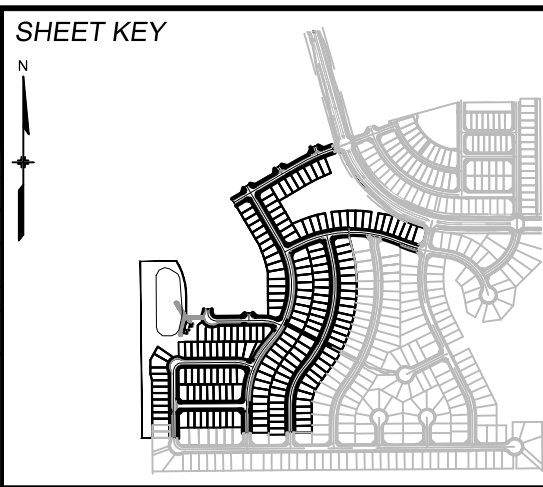
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APPROVAL EXPIRES 180 DAYS FROM DESIGN APPROVAL

REFERENCE DRAWINGS					
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	REVISIONS				
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BENCHMARK
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A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.
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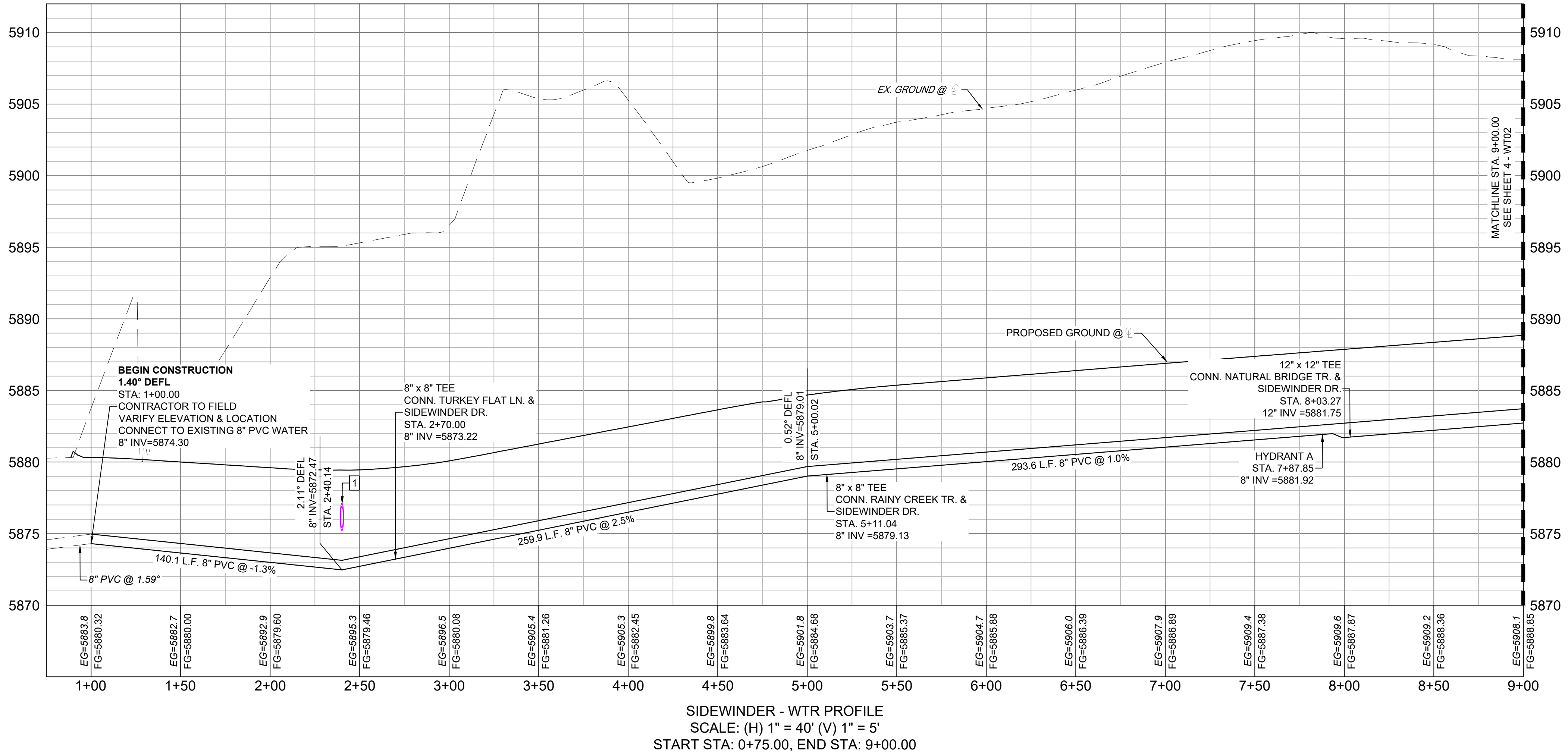
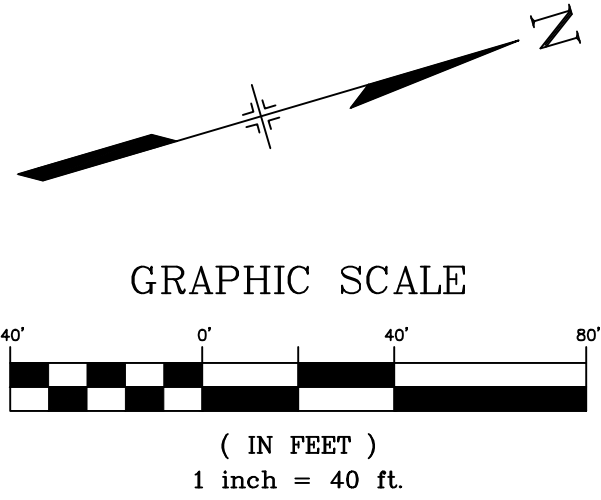
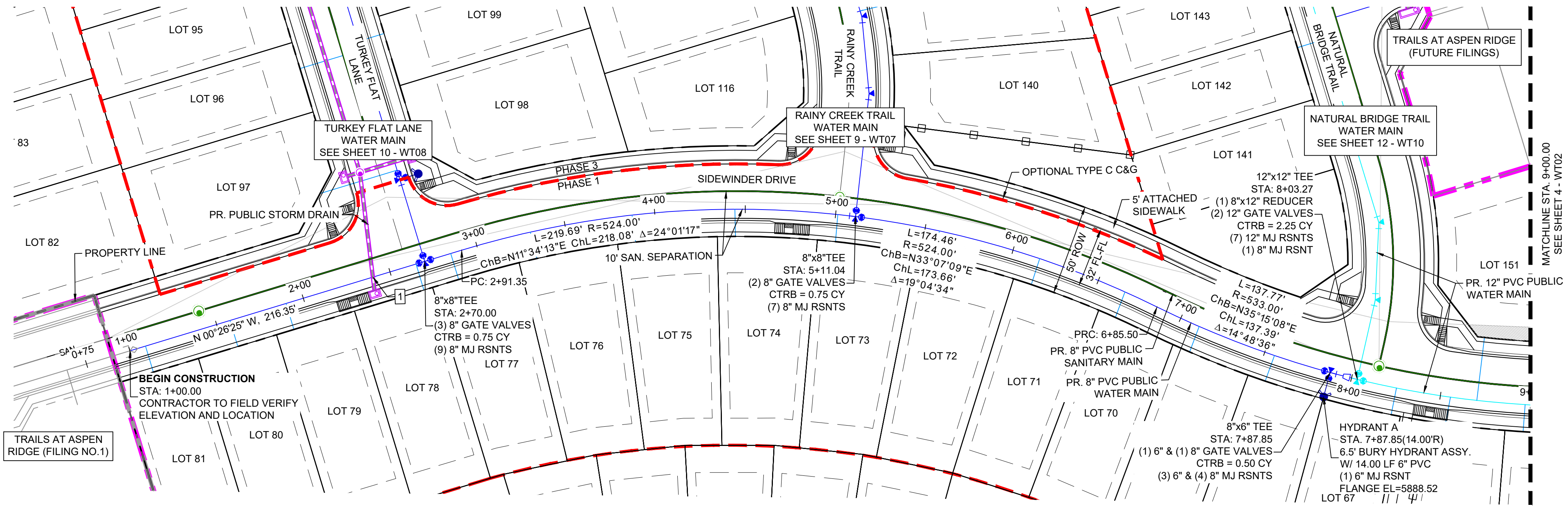
PREPARED BY:

SEAL

TRAILS AT ASPEN RIDGE	
FILING NO. 3 PUBLIC WATERLINE PLANS	
GENERAL NOTES, LEGEND, ABBREVIATIONS, OVERALL LAYOUT	
DESIGNED BY: BAS	SCALE: N/A
DRAWN BY: BAS	HORIZ: N/A
CHECKED BY: NMS	VERT: N/A
DATE ISSUED: AUGUST 2021	SHEET 2 OF 16
DRAWING No. GN01	



Know what's below.
Call before you dig.

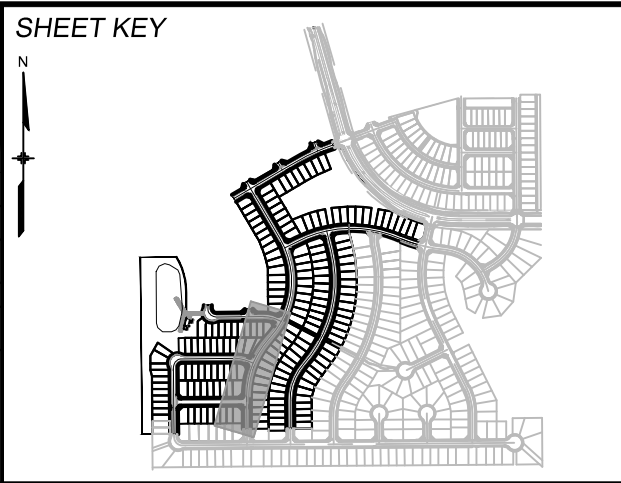


UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	VERT. SEP.
1	N 5886.61 E 12340.99	8" PVC WATER 5873.16	18" RCP STORM 5875.20	2.04'

- NOTES:
- ALL DEFLECTIONS ARE ACHIEVED UTILIZING HIGH-DEFLECTION COUPLERS.
 - WATER CROSSINGS REQUIRING SECONDARY CONAINMENT SHALL BE IN ACCORDANCE WITH WIDEFIELD WATER STANDARDS DETAIL W-16.
 - ALL WATER LOWERINGS SHALL BE BUILT IN ACCORDANCE WITH WIDEFIELD WATER STANDARDS DETAIL W-16

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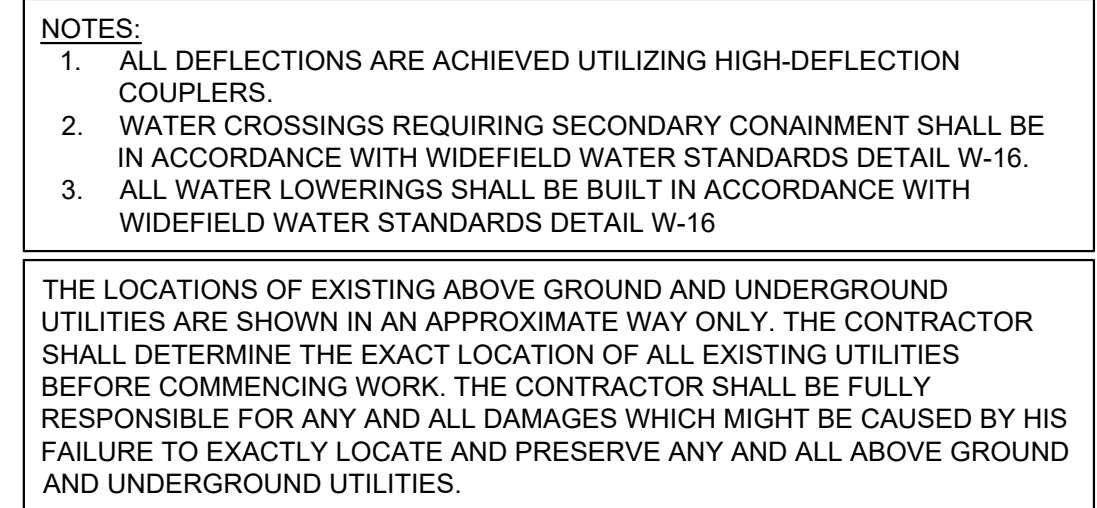
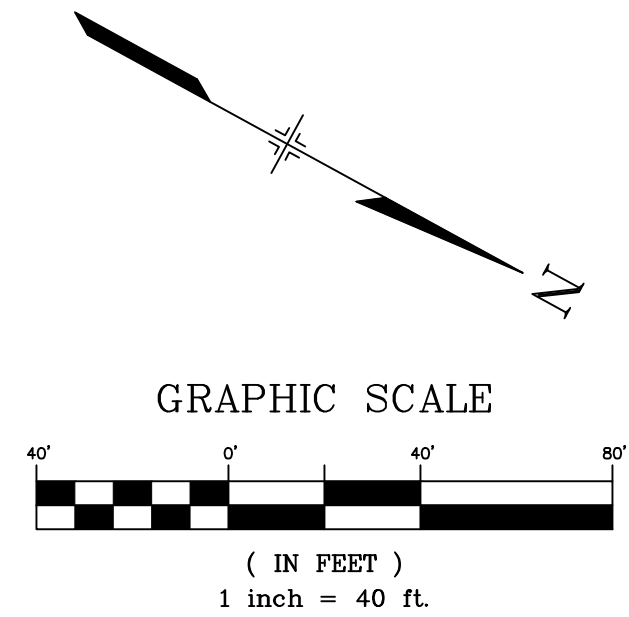


BENCHMARK
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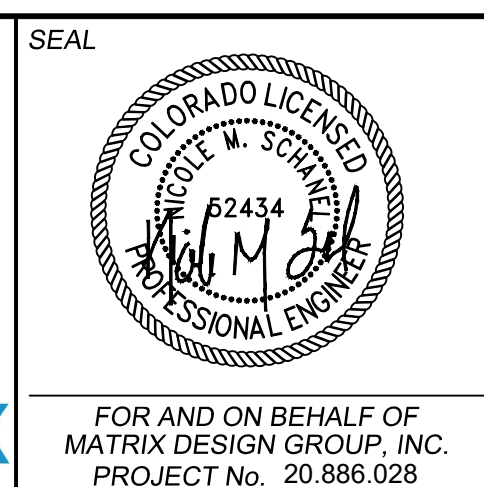
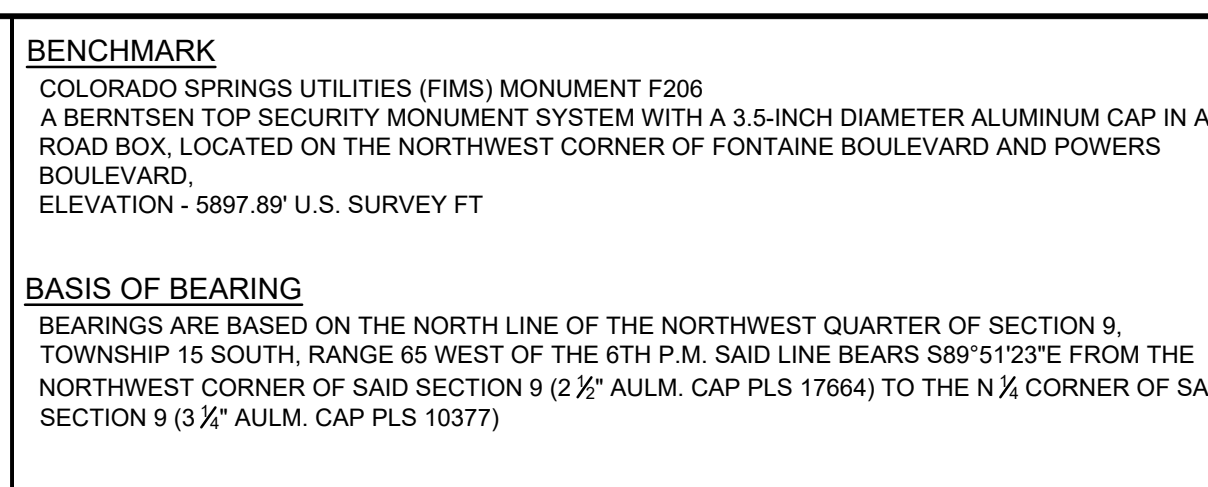
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DRAWN BY:	BAS	HORIZ. 1" = 40'		SHEET	3 OF 16	
CHECKED BY:	NMS	VERT. 1" = 5'				



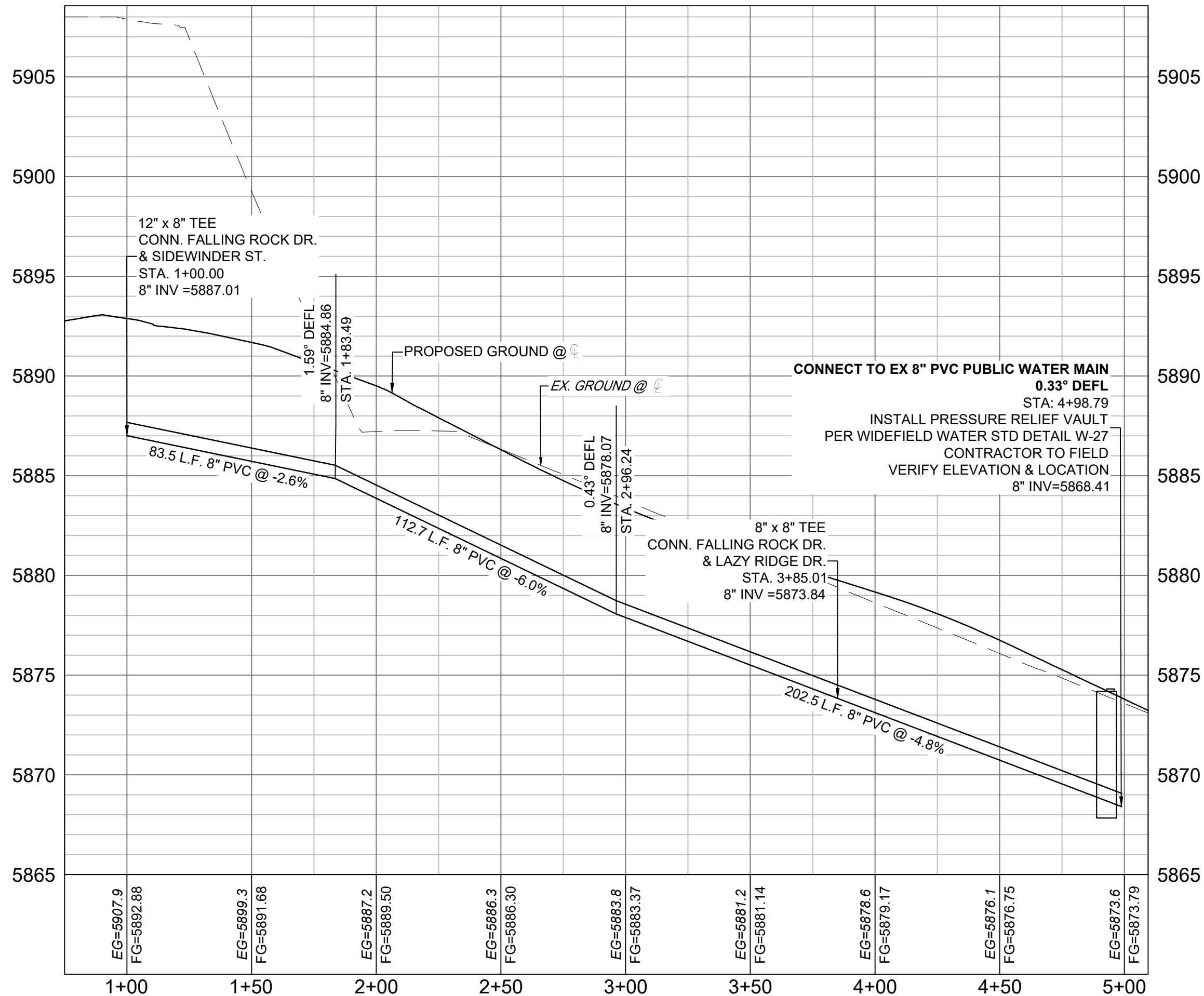
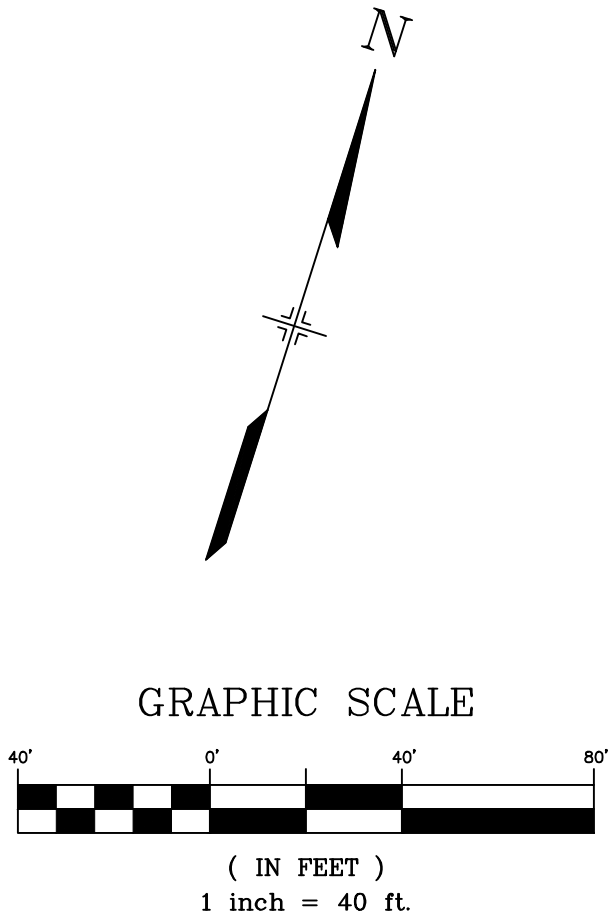
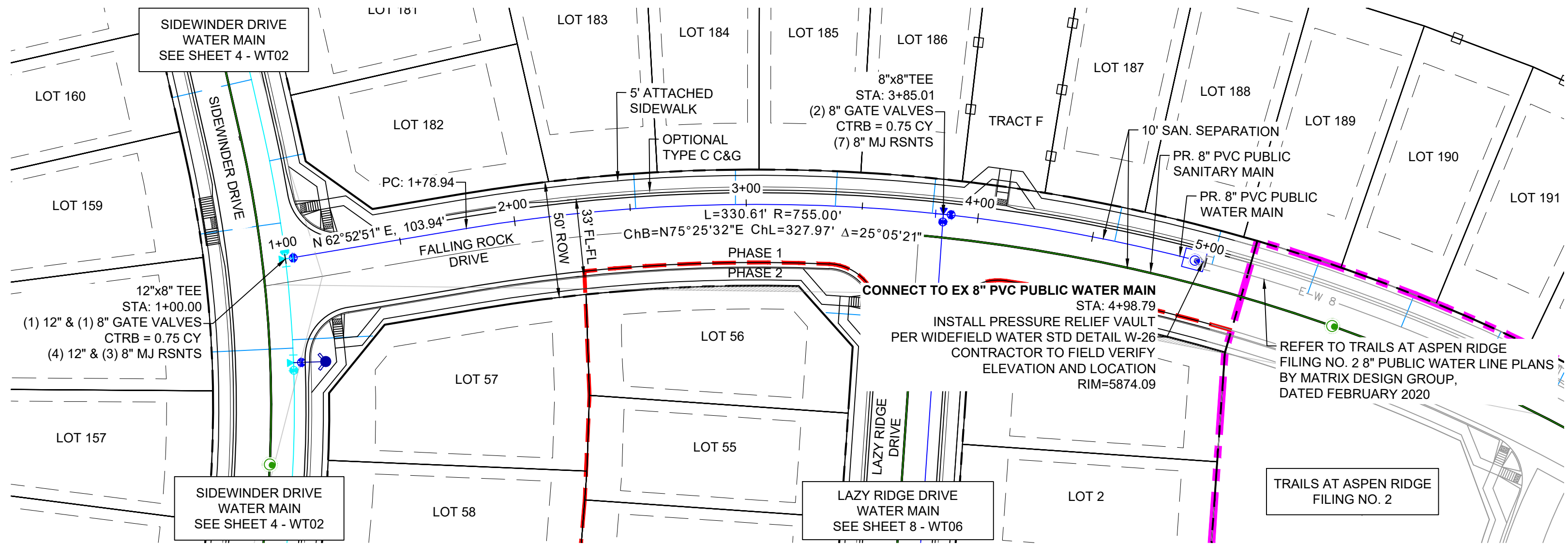
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<h1 style="text-align: center;">TRAILS AT ASPEN RIDGE</h1>													
<h2 style="text-align: center;">FILING NO. 3 PUBLIC WATERLINE PLANS</h2>													
<h3 style="text-align: center;">WATERLINE PLAN AND PROFILE</h3>													
DESIGNED BY: DRAWN BY: CHECKED BY:	BAS BAS NMS	<table border="1"> <tr> <td colspan="2">SCALE</td> </tr> <tr> <td>HORIZ.</td> <td>1" = 40'</td> </tr> <tr> <td>VERT.</td> <td>1" = 5'</td> </tr> </table>	SCALE		HORIZ.	1" = 40'	VERT.	1" = 5'	<table border="1"> <tr> <td>DATE ISSUED:</td> <td>AUGUST 2021</td> </tr> <tr> <td>SHEET</td> <td>4 OF 16</td> </tr> </table>	DATE ISSUED:	AUGUST 2021	SHEET	4 OF 16
SCALE													
HORIZ.	1" = 40'												
VERT.	1" = 5'												
DATE ISSUED:	AUGUST 2021												
SHEET	4 OF 16												
			DRAWING No. <div style="font-size: 2em; font-weight: bold;">WT02</div>										



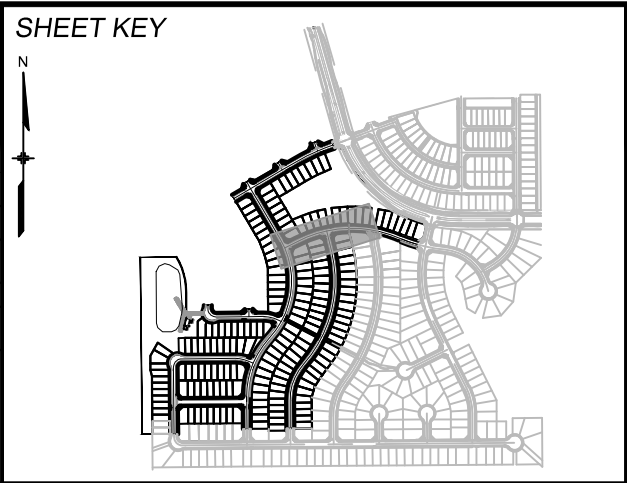
Know what's below.
Call before you dig.



- NOTES:
1. ALL DEFLECTIONS ARE ACHIEVED UTILIZING HIGH-DEFLECTION COUPLERS.
 2. WATER CROSSINGS REQUIRING SECONDARY CONAINMENT SHALL BE IN ACCORDANCE WITH WIDEFIELD WATER STANDARDS DETAIL W-16.
 3. ALL WATER LOWERINGS SHALL BE BUILT IN ACCORDANCE WITH WIDEFIELD WATER STANDARDS DETAIL W-16

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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CTB FILE: Matrix(black).ctb			
PLOT DATE: August 18, 2021 10:31:23 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

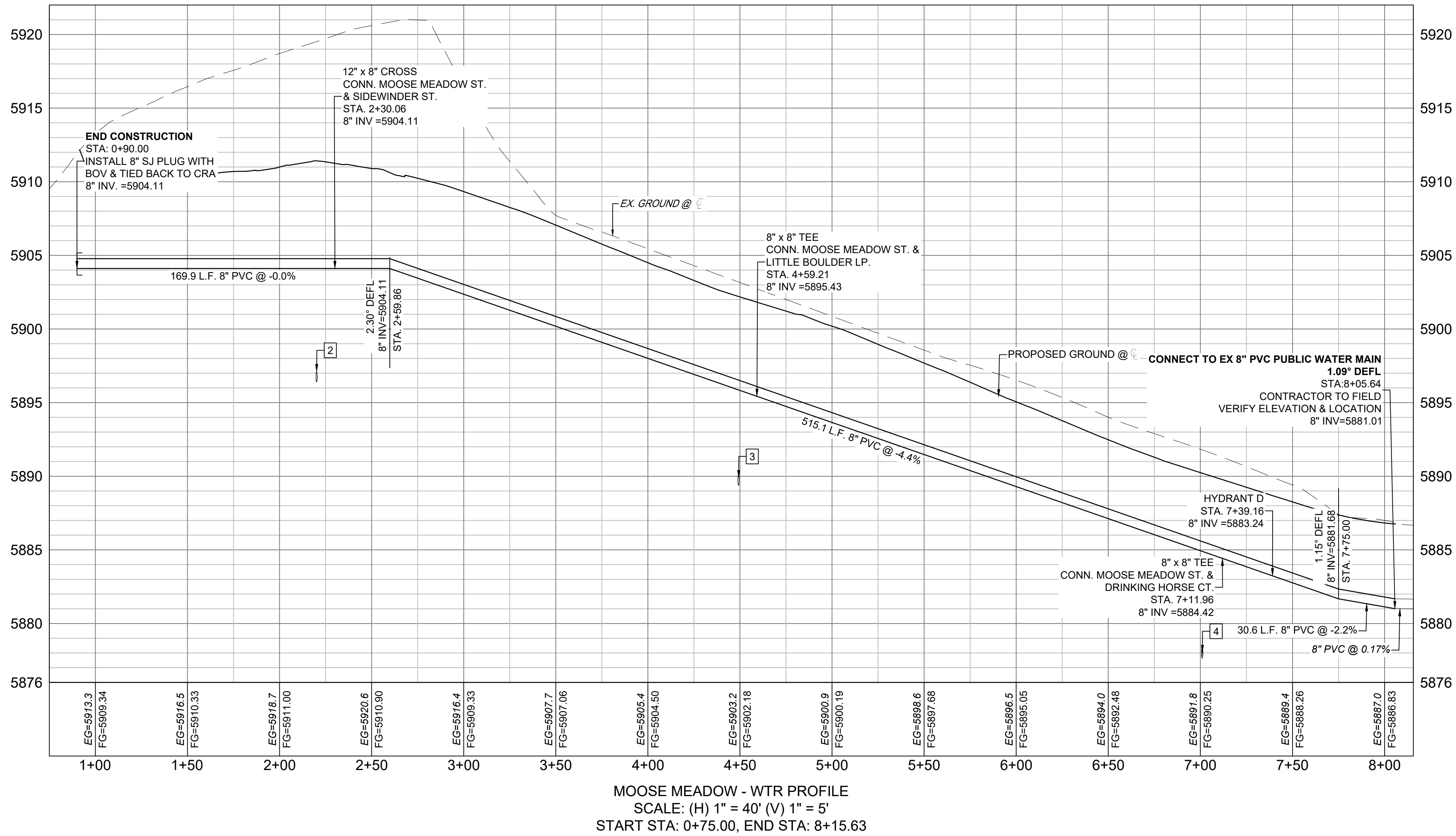
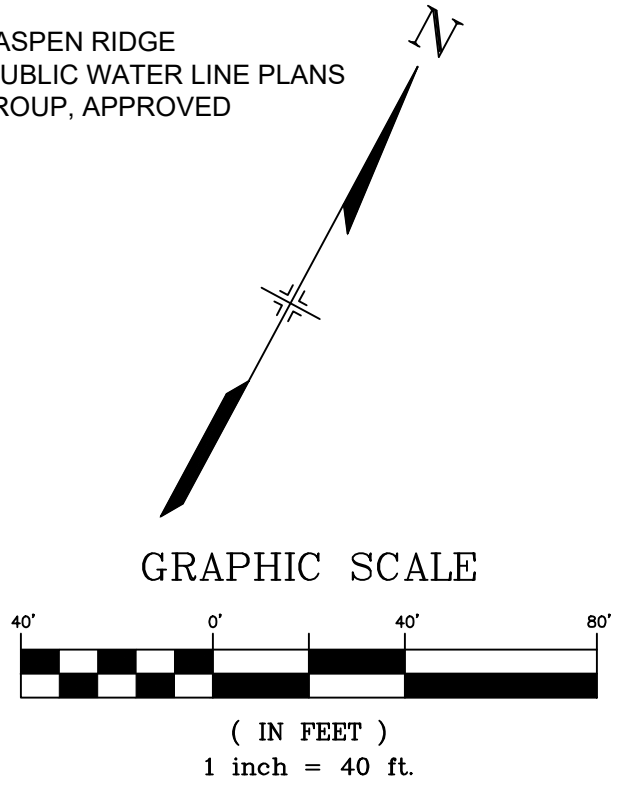
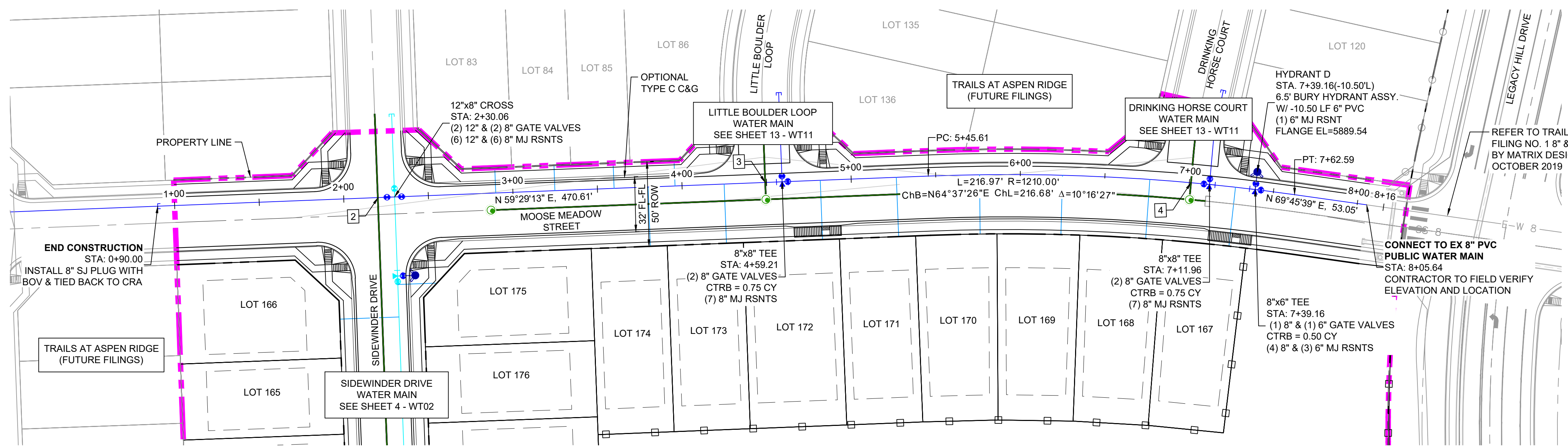
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS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



TRAILS AT ASPEN RIDGE			
FILING NO. 3 PUBLIC WATERLINE PLANS			
WATERLINE PLAN AND PROFILE			
DESIGNED BY:	BAS	SCALE	DATE ISSUED: AUGUST 2021
DRAWN BY:	BAS	HORIZ. 1" = 40'	DRAWING No. WT03
CHECKED BY:	NMS	VERT. 1" = 5'	SHEET 5 OF 16



Know what's below.
Call before you dig.

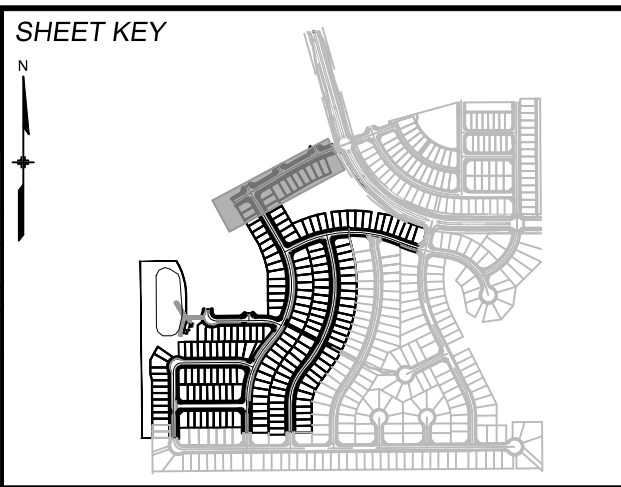


UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	VERT. SEP.
2	N 7044.08 E 12350.10	8" PVC SEWER 5897.11	8" PVC WATER 5904.09	6.98'
3	N 7160.33 E 12547.35	8" PVC SEWER 5890.09	8" PVC WATER 5895.84	5.93'
4	N 7279.35 E 12768.92	8" PVC SEWER 5878.36	8" PVC WATER 5884.88	6.83'

- NOTES:
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REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
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THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.
ELEVATION - 8997.89' U.S. SURVEY FT

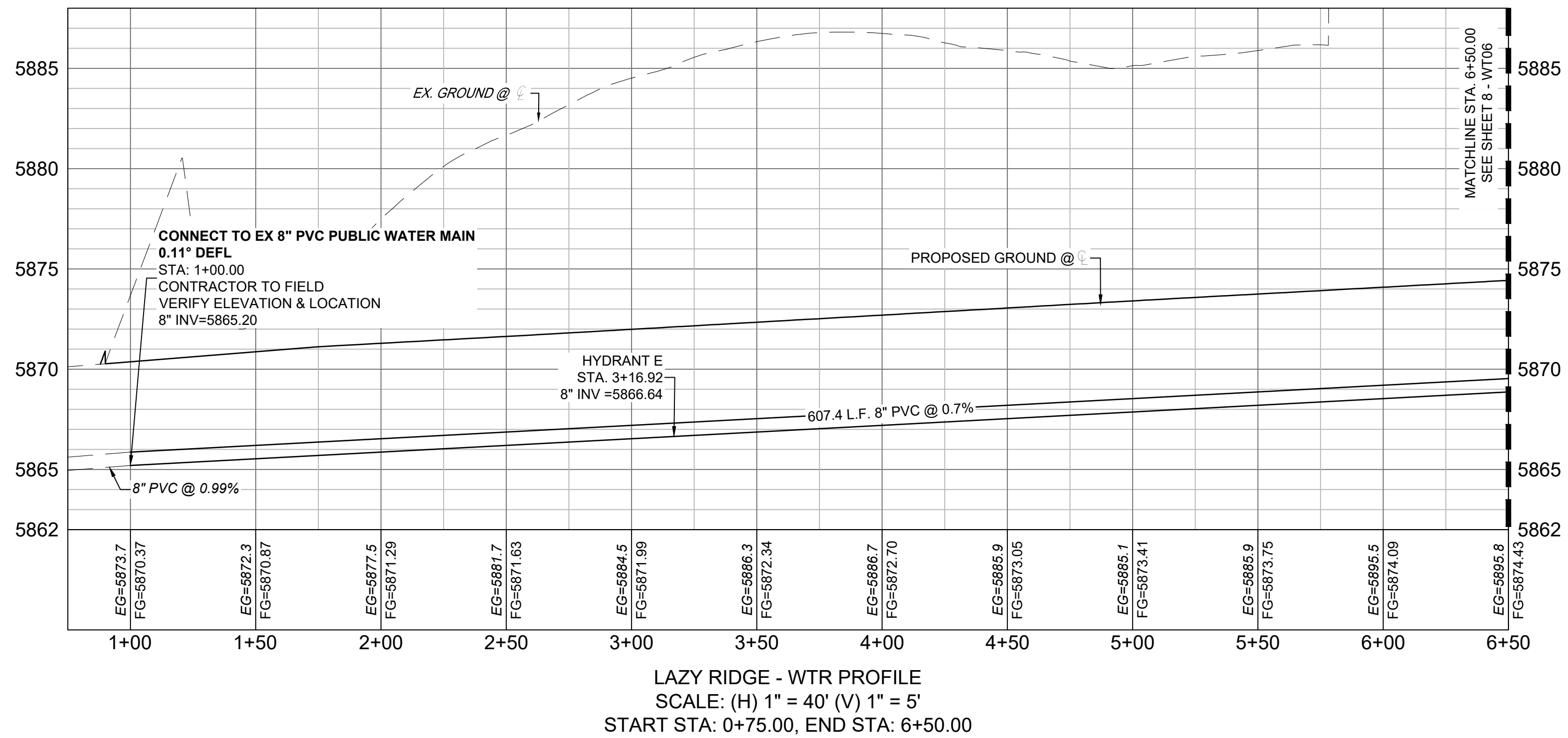
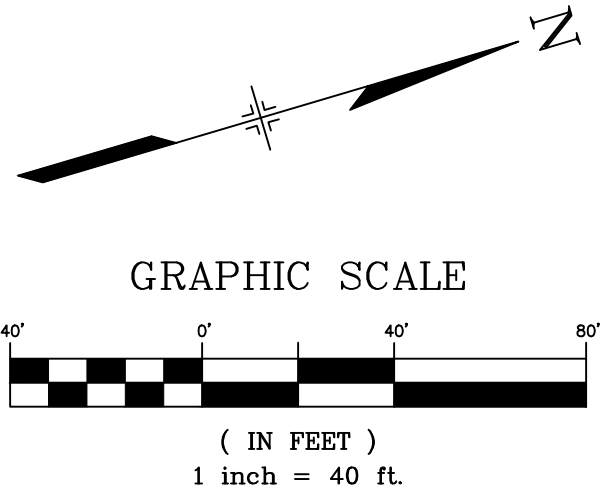
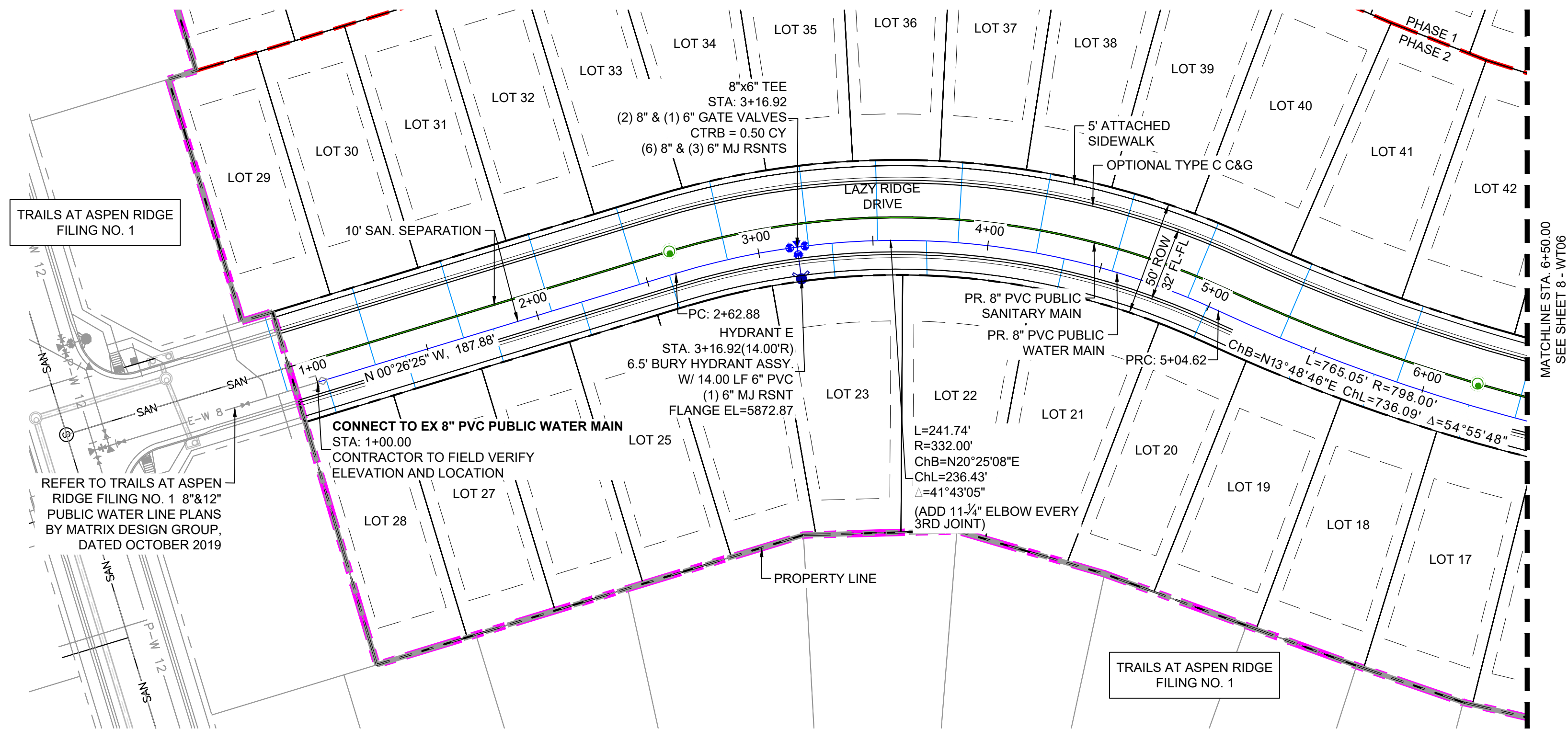
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS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



TRAILS AT ASPEN RIDGE				
FILING NO. 3 PUBLIC WATERLINE PLANS				
WATERLINE PLAN AND PROFILE				
DESIGNED BY:	BAS	SCALE	DATE ISSUED:	AUGUST 2021
DRAWN BY:	BAS	HORIZ. 1" = 40'	SHEET	6 OF 16
CHECKED BY:	NMS	VERT. 1" = 5'		
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 20.886.028				DRAWING No. WT04



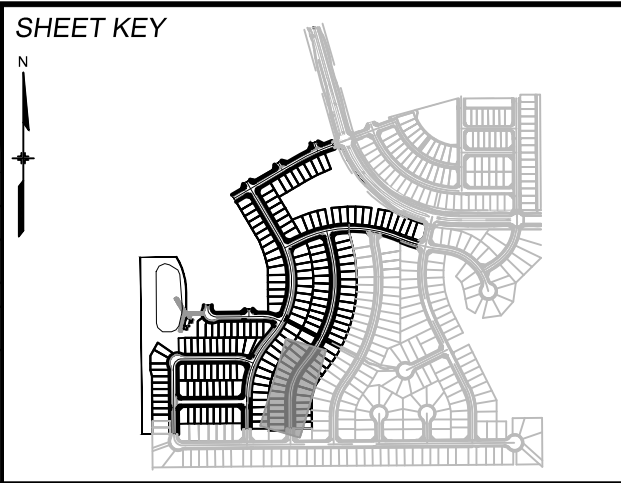
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- NOTES:
1. ALL DEFLECTIONS ARE ACHIEVED UTILIZING HIGH-DEFLECTION COUPLERS.
 2. WATER CROSSINGS REQUIRING SECONDARY CONAINMENT SHALL BE IN ACCORDANCE WITH WIDEFIELD WATER STANDARDS DETAIL W-16.
 3. ALL WATER LOWERINGS SHALL BE BUILT IN ACCORDANCE WITH WIDEFIELD WATER STANDARDS DETAIL W-16

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



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

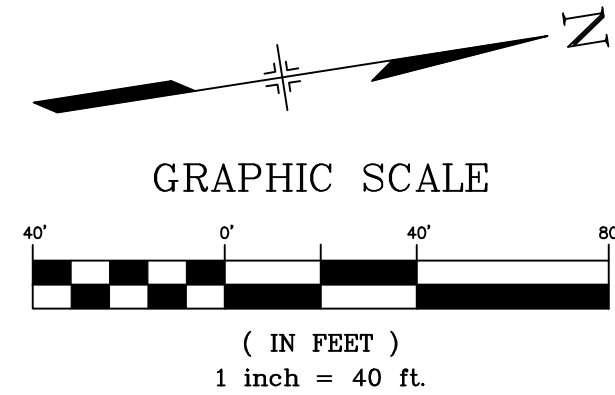
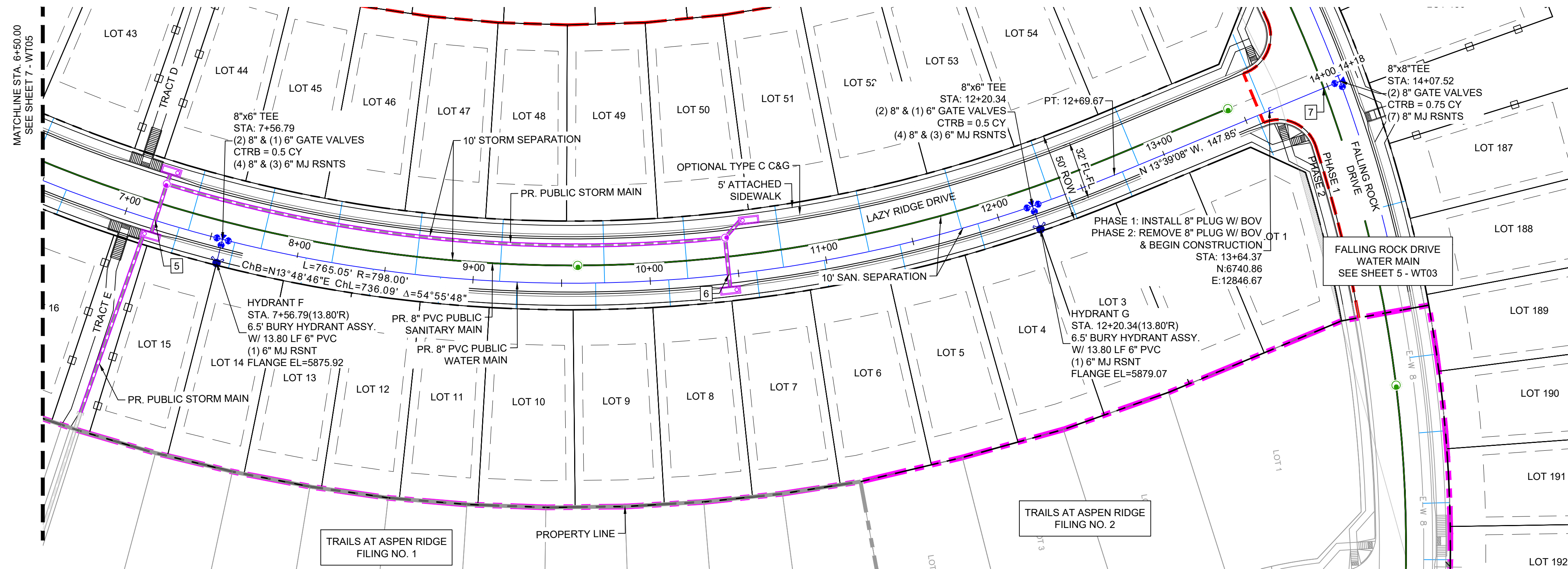
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S88°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)



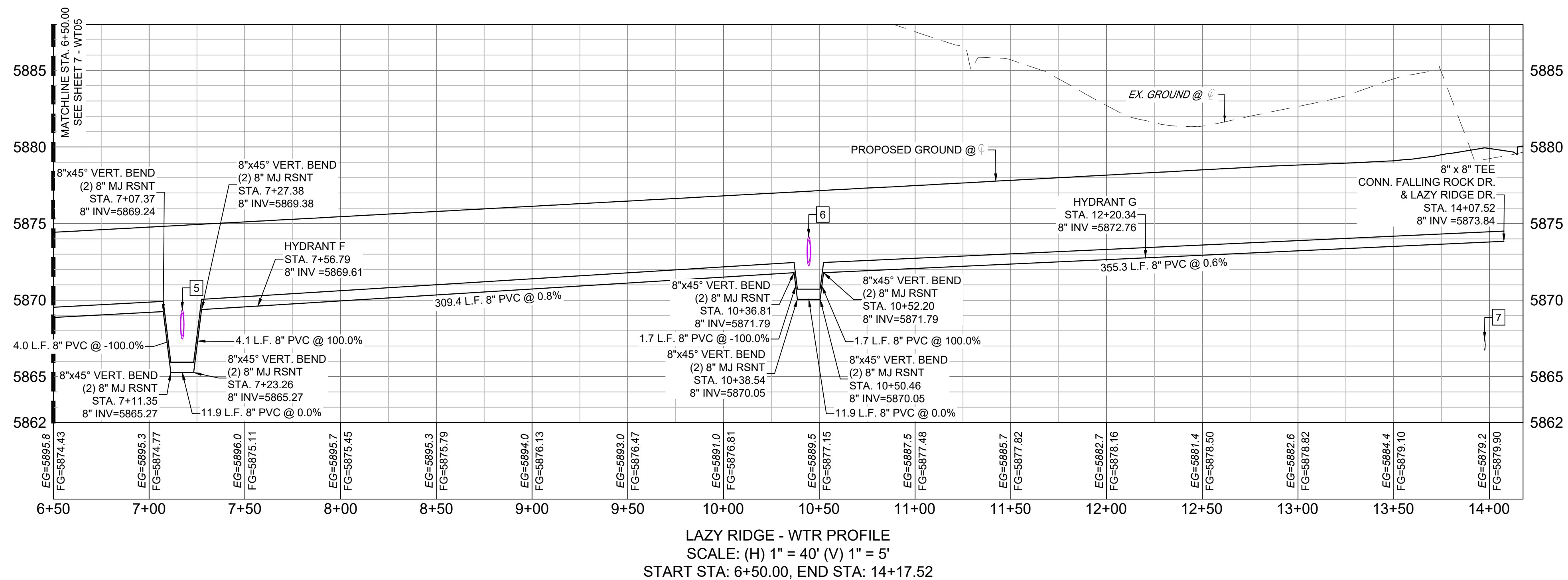
TRAILS AT ASPEN RIDGE			
FILING NO. 3 PUBLIC WATERLINE PLANS			
WATERLINE PLAN AND PROFILE			
DESIGNED BY:	BAS	SCALE	DATE ISSUED:
DRAWN BY:	BAS	HORIZ. 1" = 40'	AUGUST 2021
CHECKED BY:	NMS	VERT. 1" = 5'	SHEET
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 20.886.028			DRAWING No. WT05



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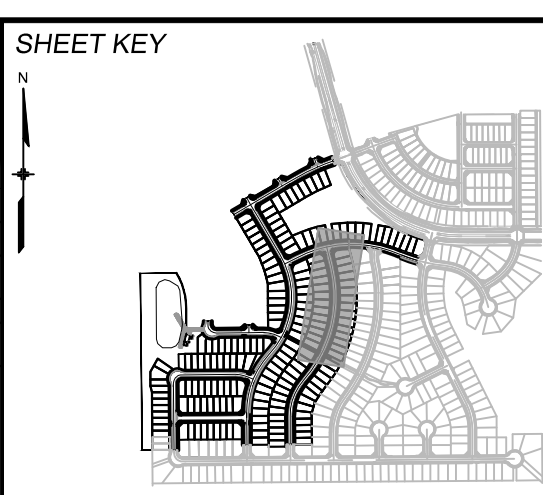
UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	VERT. SEP.
5	N 6110.54 E 12810.83	8" PVC WATER 5865.95	18" RCP STORM 5867.45	1.50'
6	N 6425.49 E 12890.80	8" PVC WATER 5870.74	18" RCP STORM 5872.24	1.50'
7	N 6773.07 E 12838.85	8" PVC SEWER 5867.43	8" PVC WATER 5873.75	6.32'



- NOTES:
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 - ALL WATER LOWERINGS SHALL BE BUILT IN ACCORDANCE WITH WIDEFIELD WATER STANDARDS DETAIL W-16

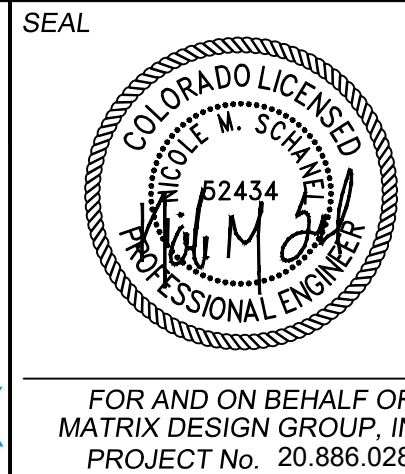
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REFERENCE DRAWINGS					
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REVISIONS					
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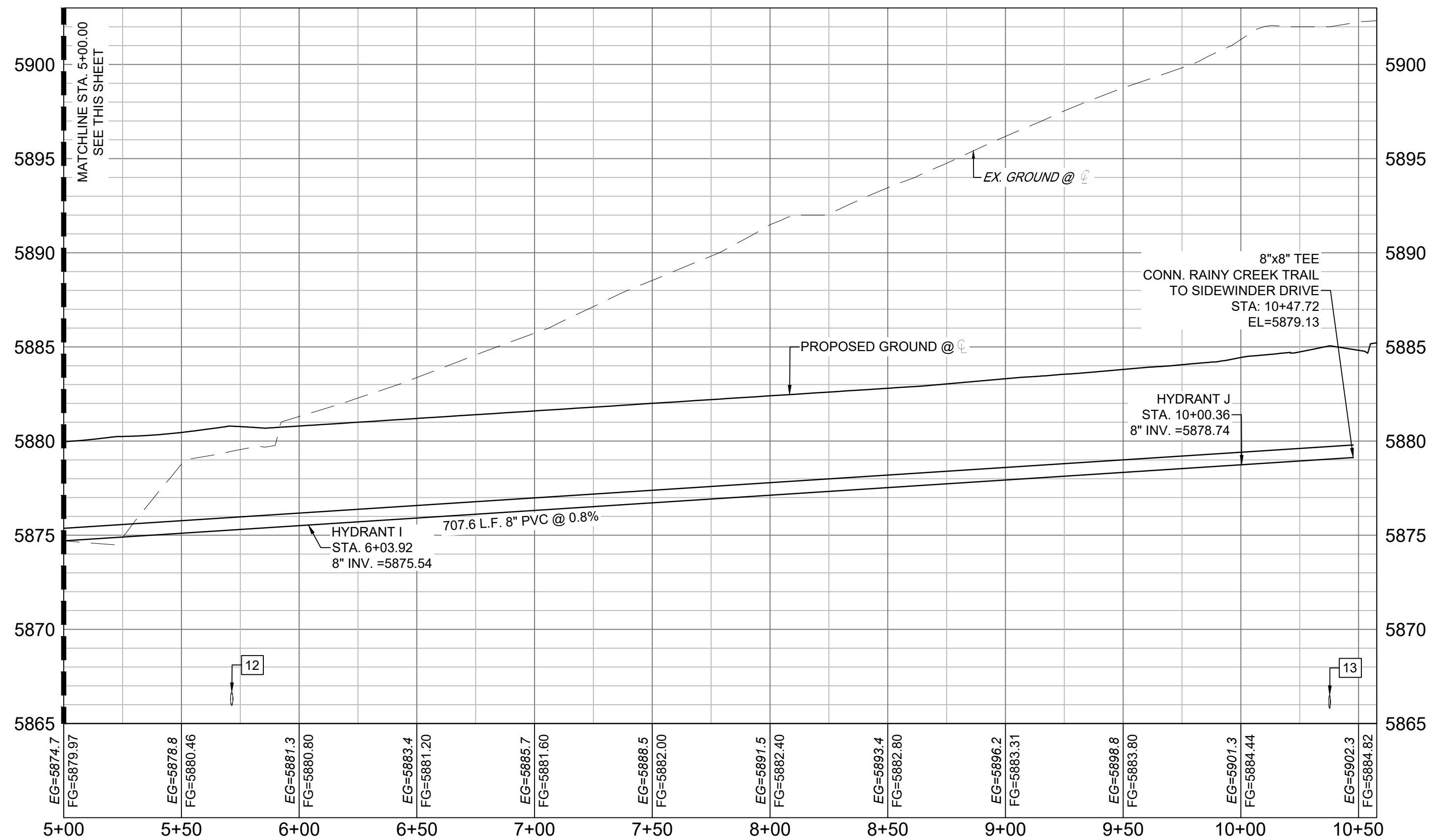
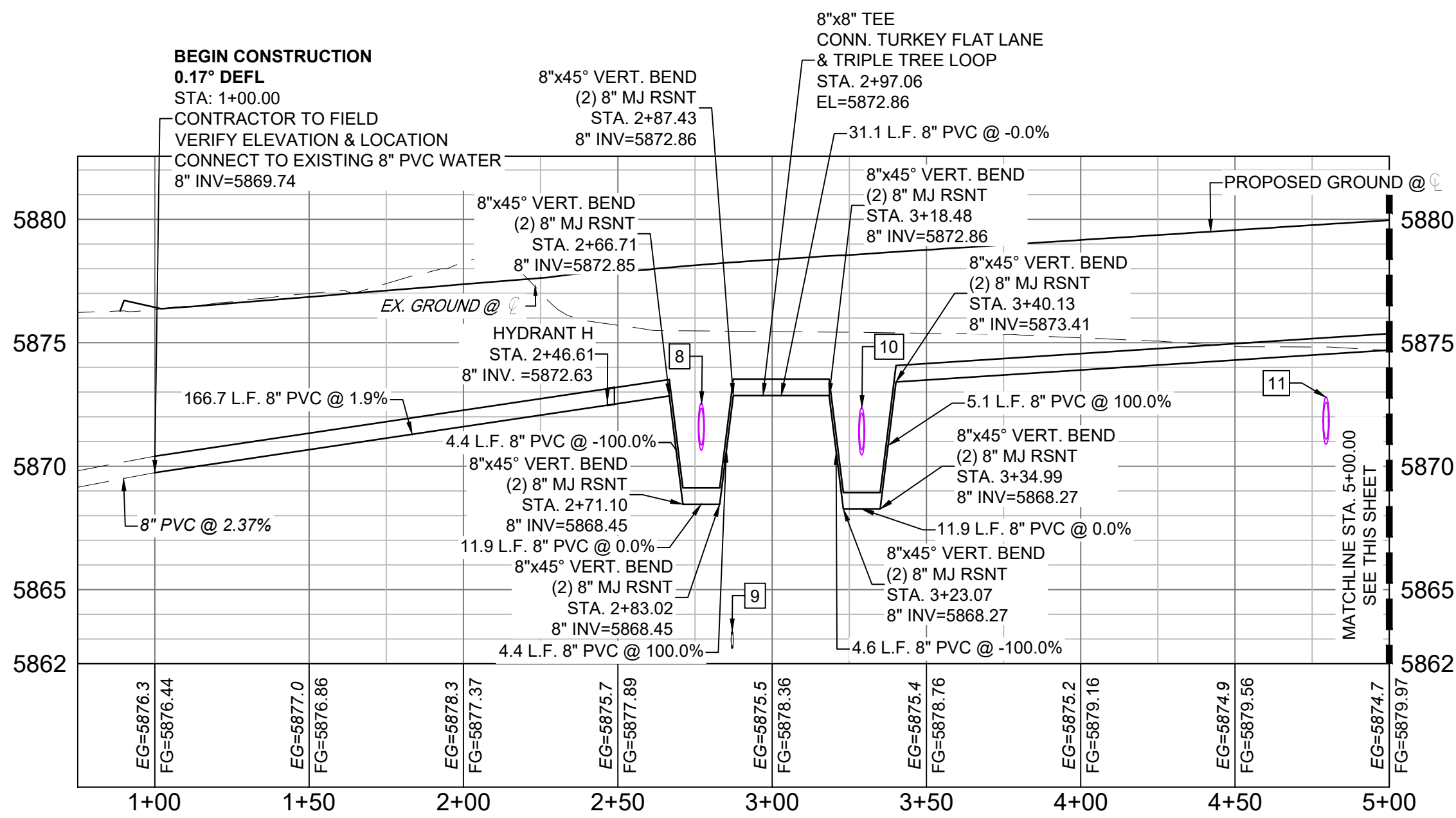
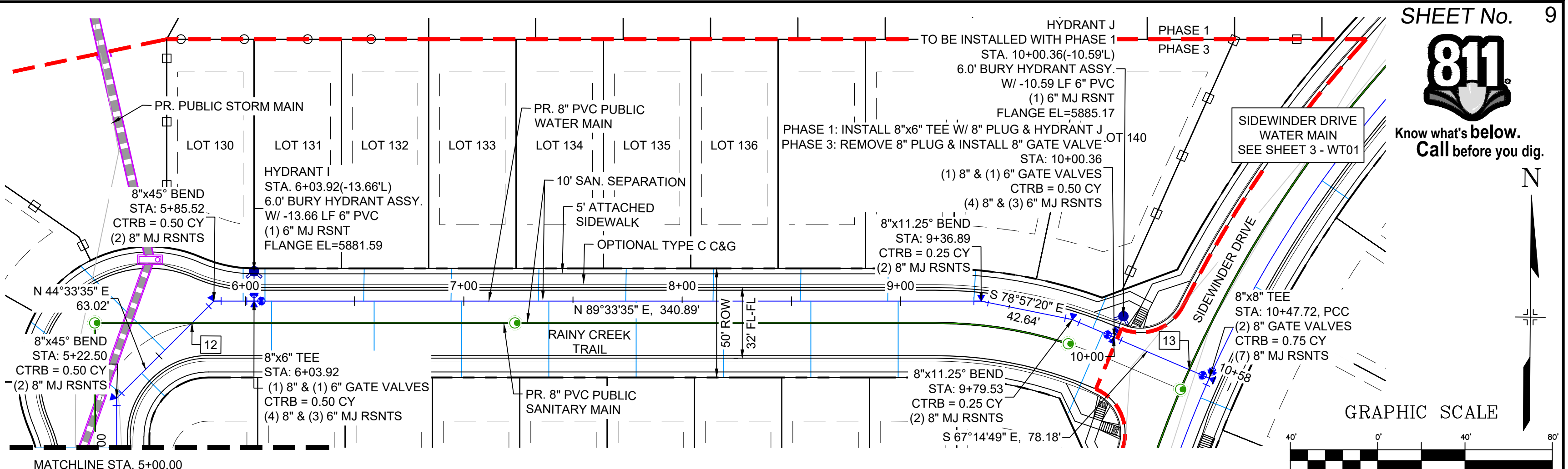
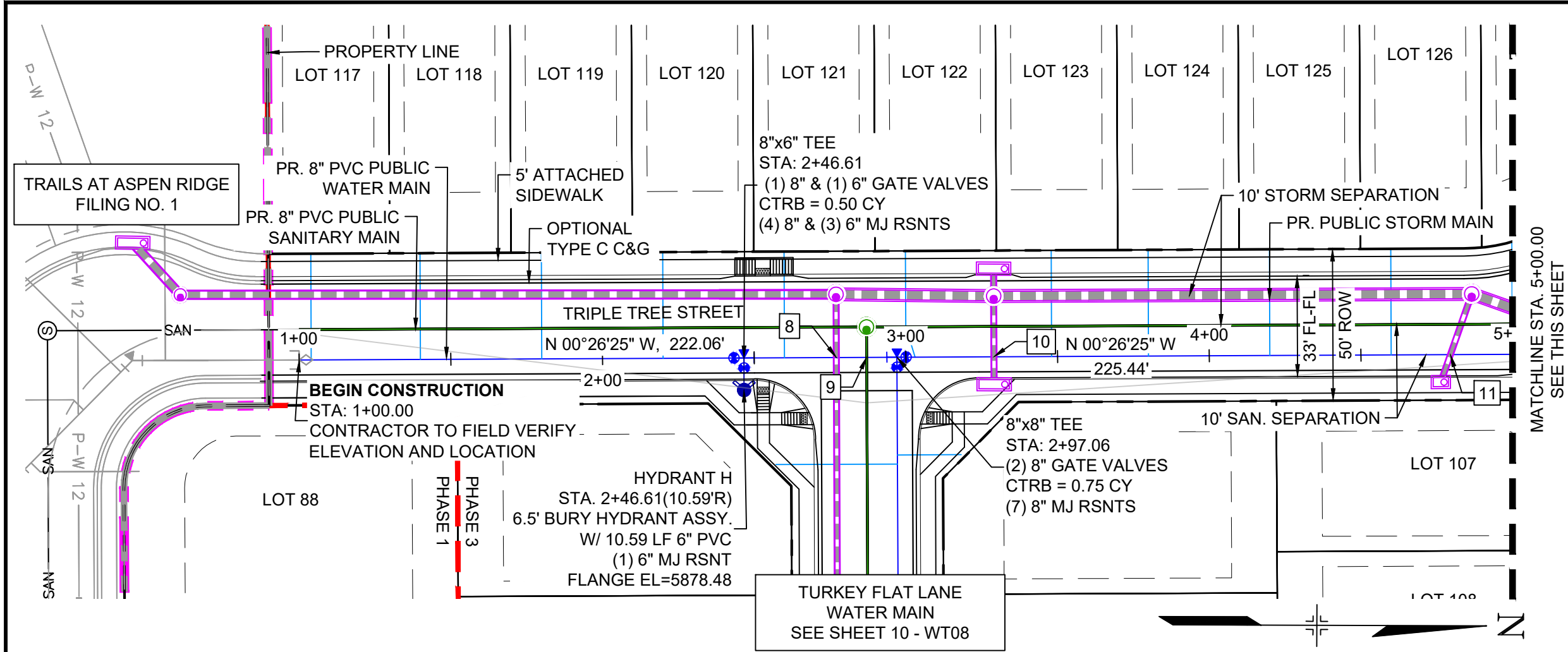


BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.
ELEVATION - 5897.89' U.S. SURVEY FT

BASIS OF BEARING
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 PUBLIC WATERLINE PLANS			
WATERLINE PLAN AND PROFILE			
DESIGNED BY: BAS	SCALE: 1" = 40'	DATE ISSUED: AUGUST 2021	DRAWING No. WT06
DRAWN BY: BAS	HORIZ. 1" = 40'		
CHECKED BY: NMS	VERT. 1" = 5'	SHEET 8 OF 16	

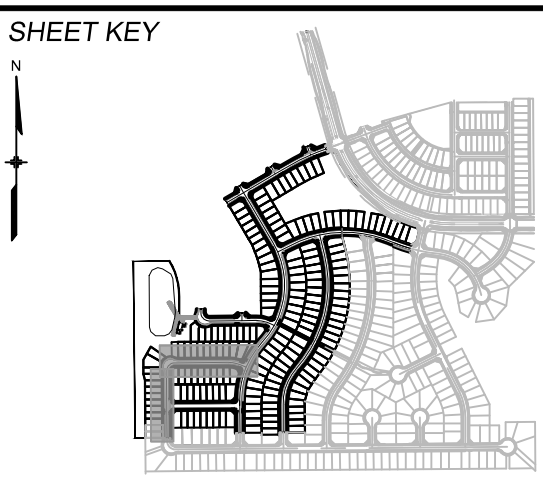


- NOTES:
- ALL DEFLECTIONS ARE ACHIEVED UTILIZING HIGH-DEFLECTION COUPLERS.
 - WATER CROSSINGS REQUIRING SECONDARY CONAINMENT SHALL BE IN ACCORDANCE WITH WIDEFIELD WATER STANDARDS DETAIL W-16.
 - ALL WATER LOWERINGS SHALL BE BUILT IN ACCORDANCE WITH WIDEFIELD WATER STANDARDS DETAIL W-16

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UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	VERT. SEP.
8	N 5692.99 E 11885.92	8" PVC WATER 5869.14	18" RCP STORM 5870.64	1.50'
9	N 5702.97 E 11885.84	8" PVC SEWER 5863.32	8" PVC WATER 5872.50	9.18'
10	N 5744.94 E 11885.52	8" PVC WATER 5868.95	18" RCP STORM 5870.45	1.50'
11	N 5895.41 E 11884.36	18" RCP STORM 5872.80	8" PVC WATER 5874.51	1.71'
12	N 5973.23 E 11918.32	8" PVC SEWER 5866.67	8" PVC WATER 5875.25	8.58'
13	N 5955.33 E 12375.11	8" PVC SEWER 5866.51	8" PVC WATER 5879.02	12.51'

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
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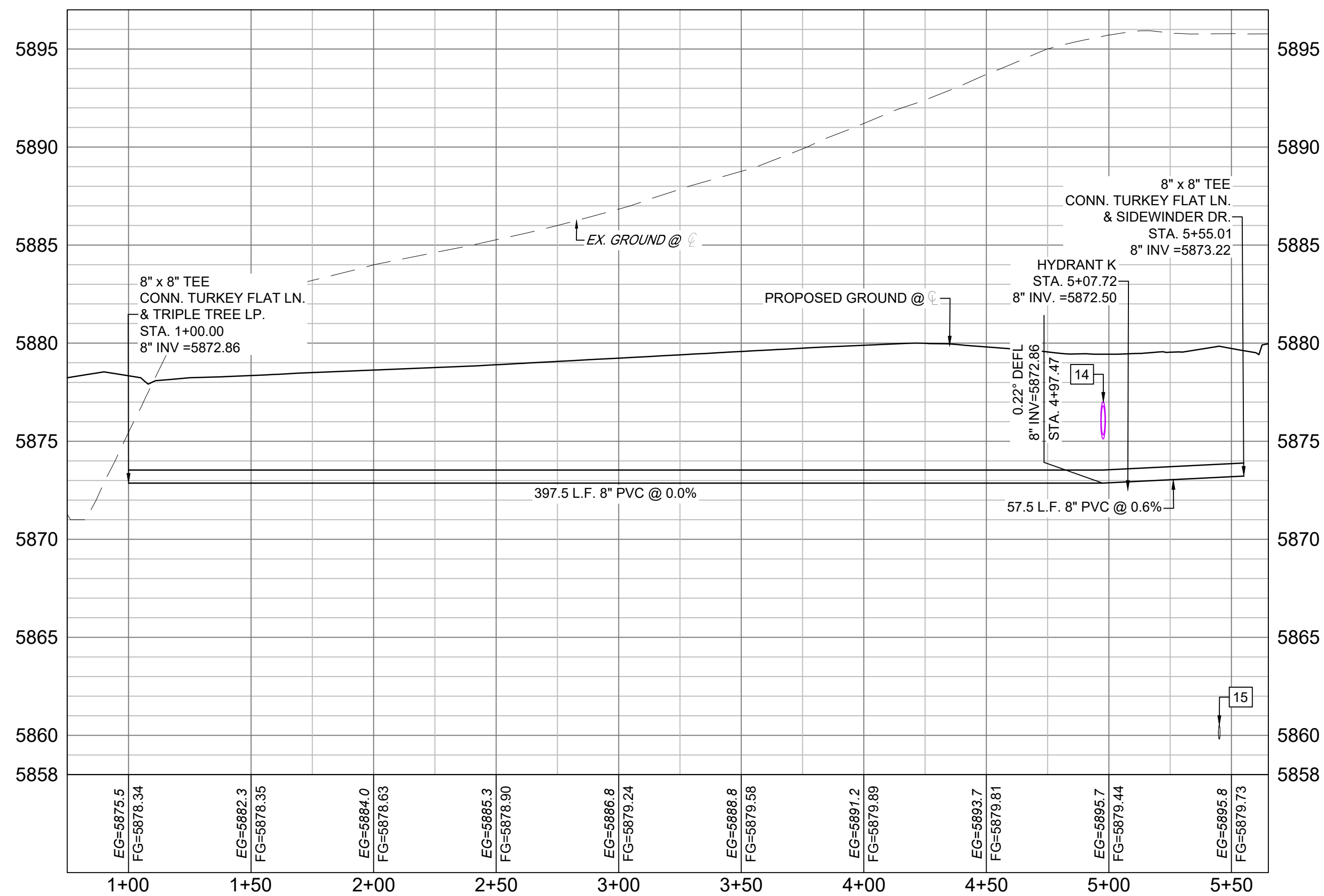
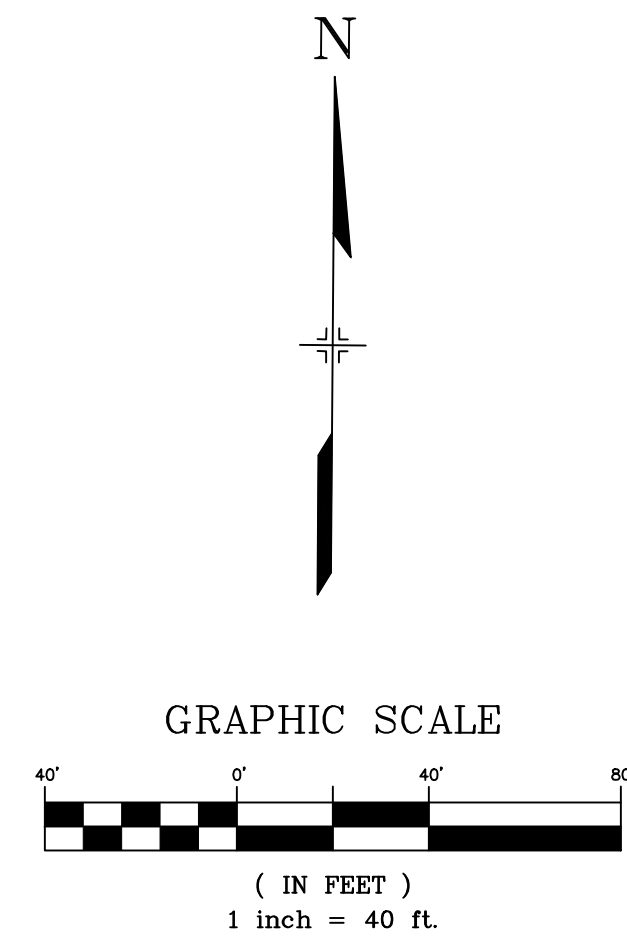
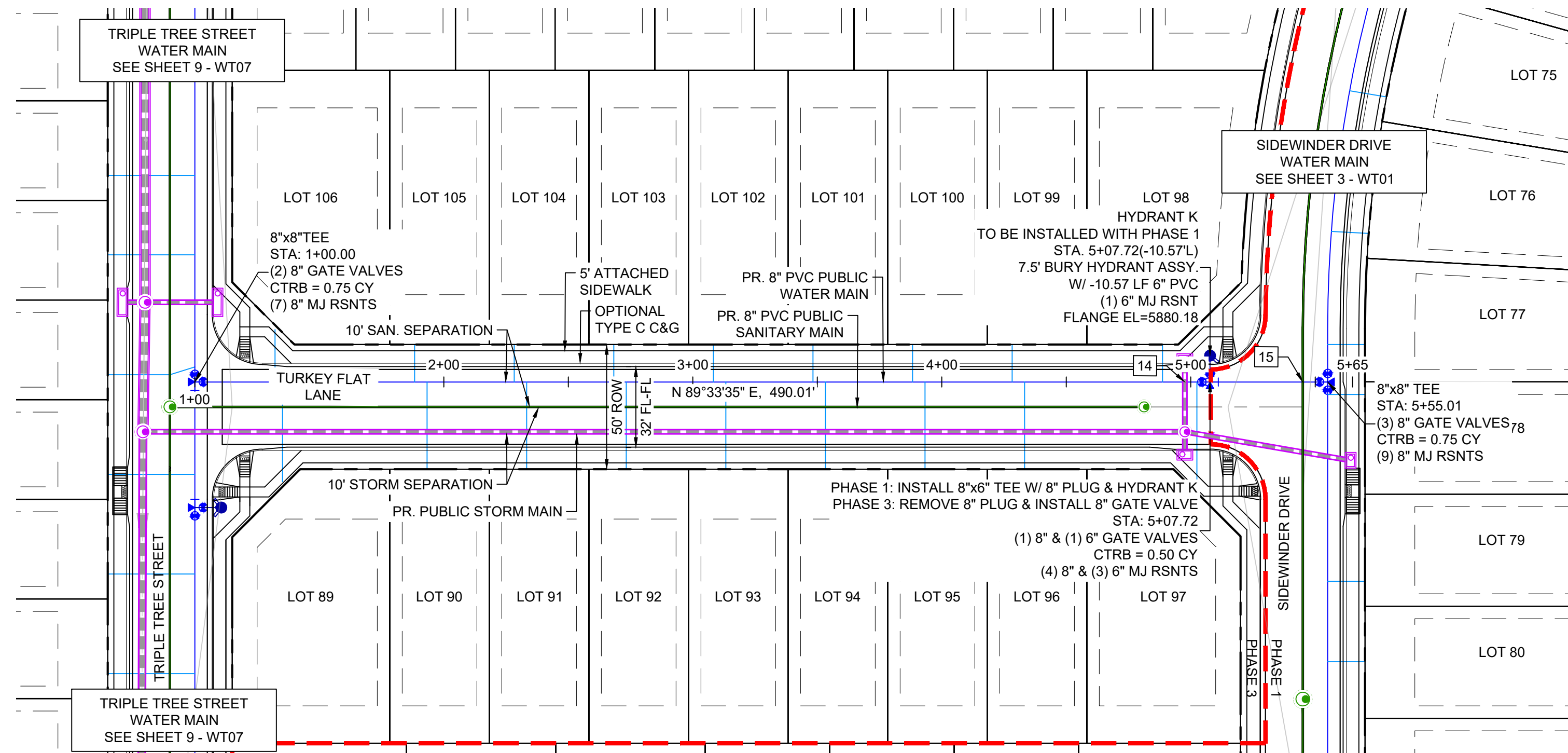


BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.
ELEVATION - 5897.89' U.S. SURVEY FT

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 PUBLIC WATERLINE PLANS			
WATERLINE PLAN AND PROFILE			
DESIGNED BY:	BAS	SCALE	DATE ISSUED:
CHECKED BY:	NMS	HORIZ. 1" = 40' VERT. 1" = 5'	AUGUST 2021
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 20.886.028			DRAWING No. WT07

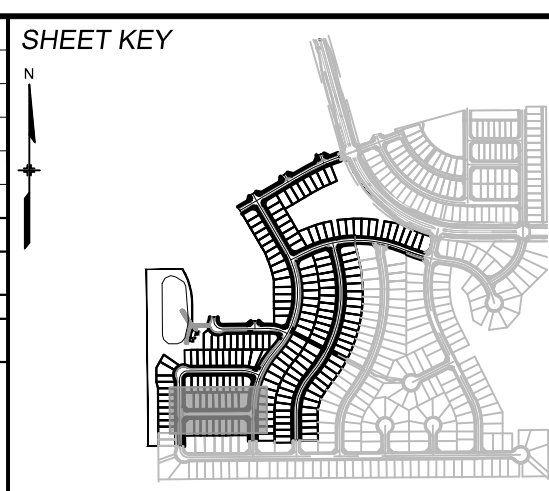
Know what's below.
Call before you dig.TURKEY FLAT - WTR PROFILE
SCALE: (H) 1" = 40' (V) 1" = 5'
START STA: 0+75.00, END STA: 5+65.01

UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	VERT. SEP.
14	N 5716.02 E 12283.30	8" PVC WATER 5873.55	18" RCP STORM 5875.11	1.56'
15	N 5716.38 E 12330.76	8" PVC SEWER 5860.51	8" PVC WATER 5873.14	12.63'

- NOTES:
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 - ALL WATER LOWERINGS SHALL BE BUILT IN ACCORDANCE WITH WIDEFIELD WATER STANDARDS DETAIL W-16

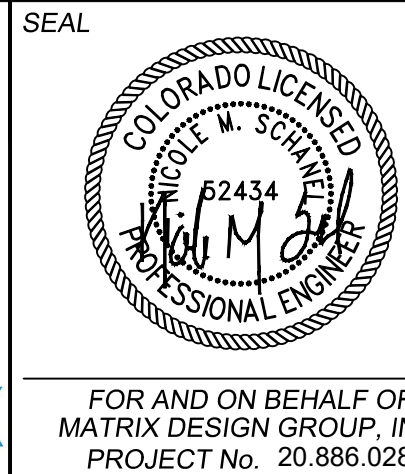
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REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
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BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX,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

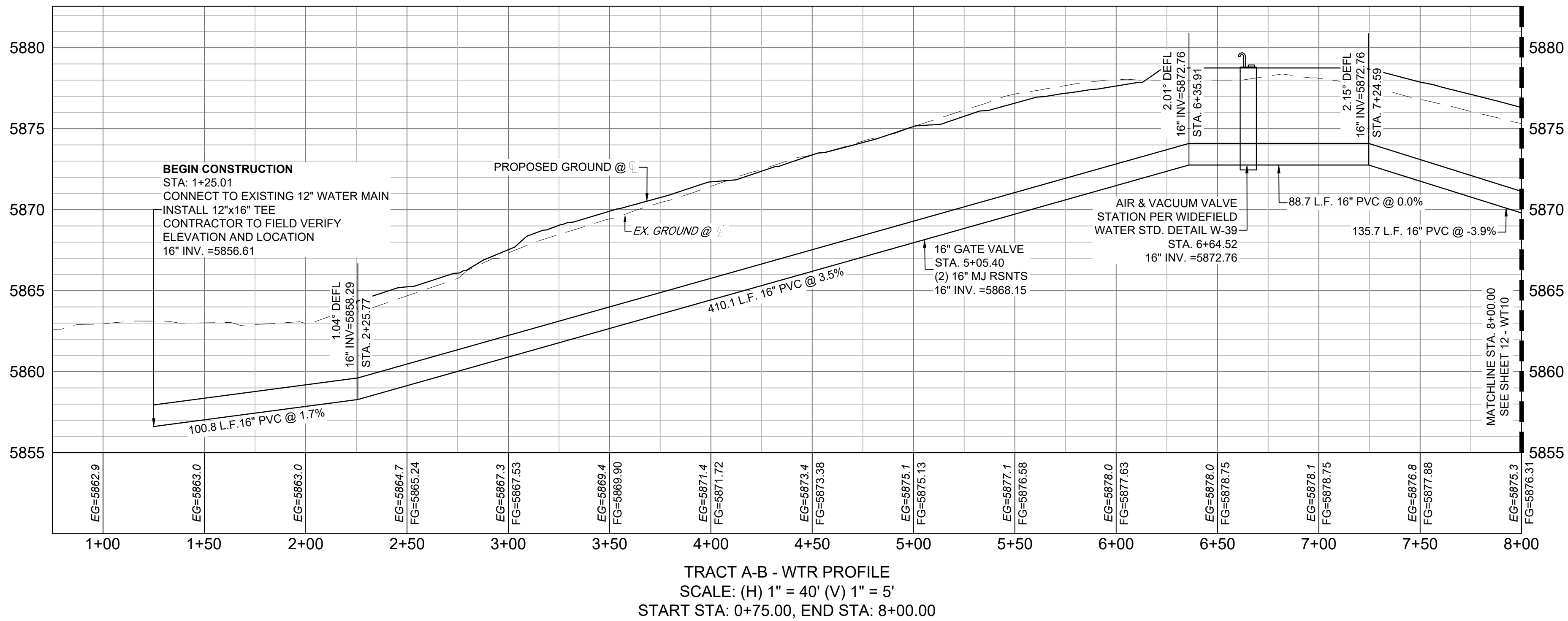
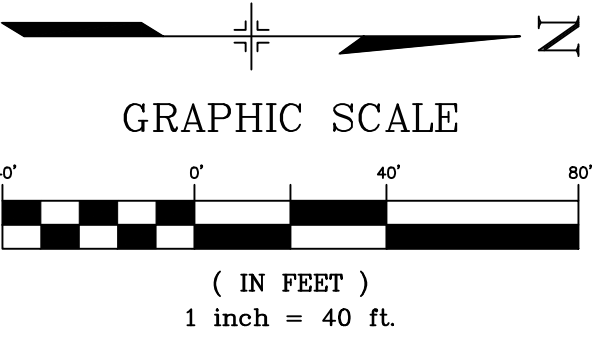
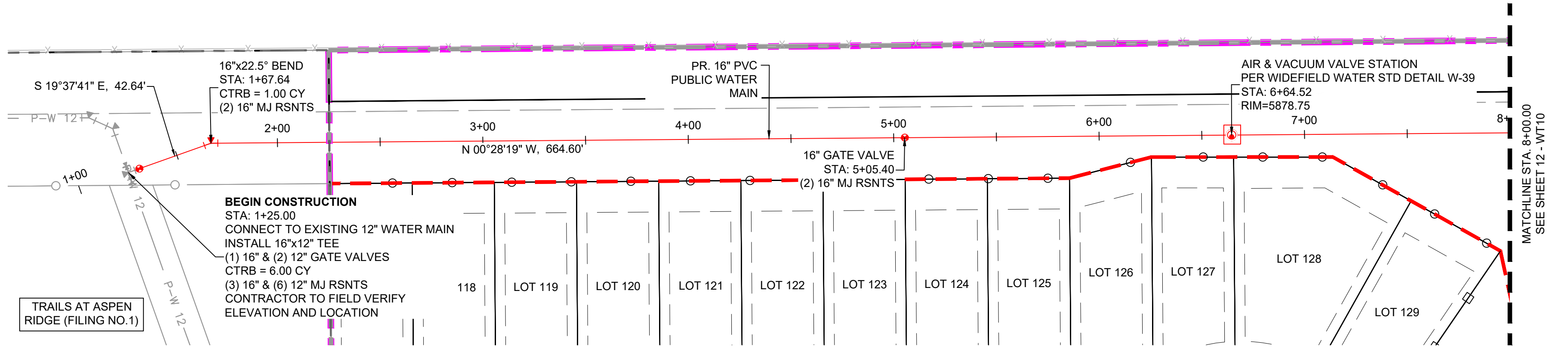
BASIS OF BEARING
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TRAILS AT ASPEN RIDGE				
FILING NO. 3 PUBLIC WATERLINE PLANS				
WATERLINE PLAN AND PROFILE				
DESIGNED BY:	BAS	SCALE	DATE ISSUED:	AUGUST 2021
DRAWN BY:	BAS	HORIZ. 1" = 40'	SHEET	10 OF 16
CHECKED BY:	NMS	VERT. 1" = 5'		
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 20.886.028				DRAWING No. WT08



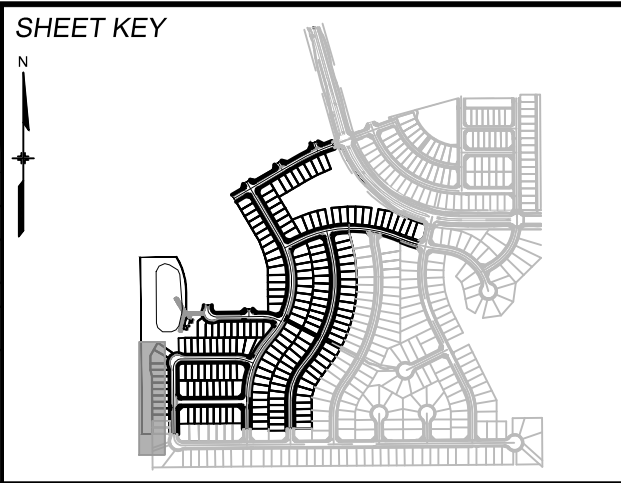
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- NOTES:
1. ALL DEFLECTIONS ARE ACHIEVED UTILIZING HIGH-DEFLECTION COUPLERS.
 2. WATER CROSSINGS REQUIRING SECONDARY CONAINMENT SHALL BE IN ACCORDANCE WITH WIDEFIELD WATER STANDARDS DETAIL W-16.
 3. ALL WATER LOWERINGS SHALL BE BUILT IN ACCORDANCE WITH WIDEFIELD WATER STANDARDS DETAIL W-16
 4. 16" VALVES SHALL INCLUDE SIDE OPERATED THAT MEETS THE REQUIREMENTS OF AWWA STANDARD C515 MODIFIED TO 250 PSI WORKING PRESSURE. VALVES SHALL BE EPOXY COATED AWWA C550 AND BE EQUIPPED WITH BEVELED GEAR BOX
 5. 16" DIAMETER PIPE SHALL MEET REQUIREMENTS OF AWWA STANDARD C905 AND SHALL BE DR18
 6. AIR RELEASE VALVE TO BE CONSTRUCTED IN ACCORDANCE WITH WIDEFIELD STANDARD DETAIL W-39

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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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

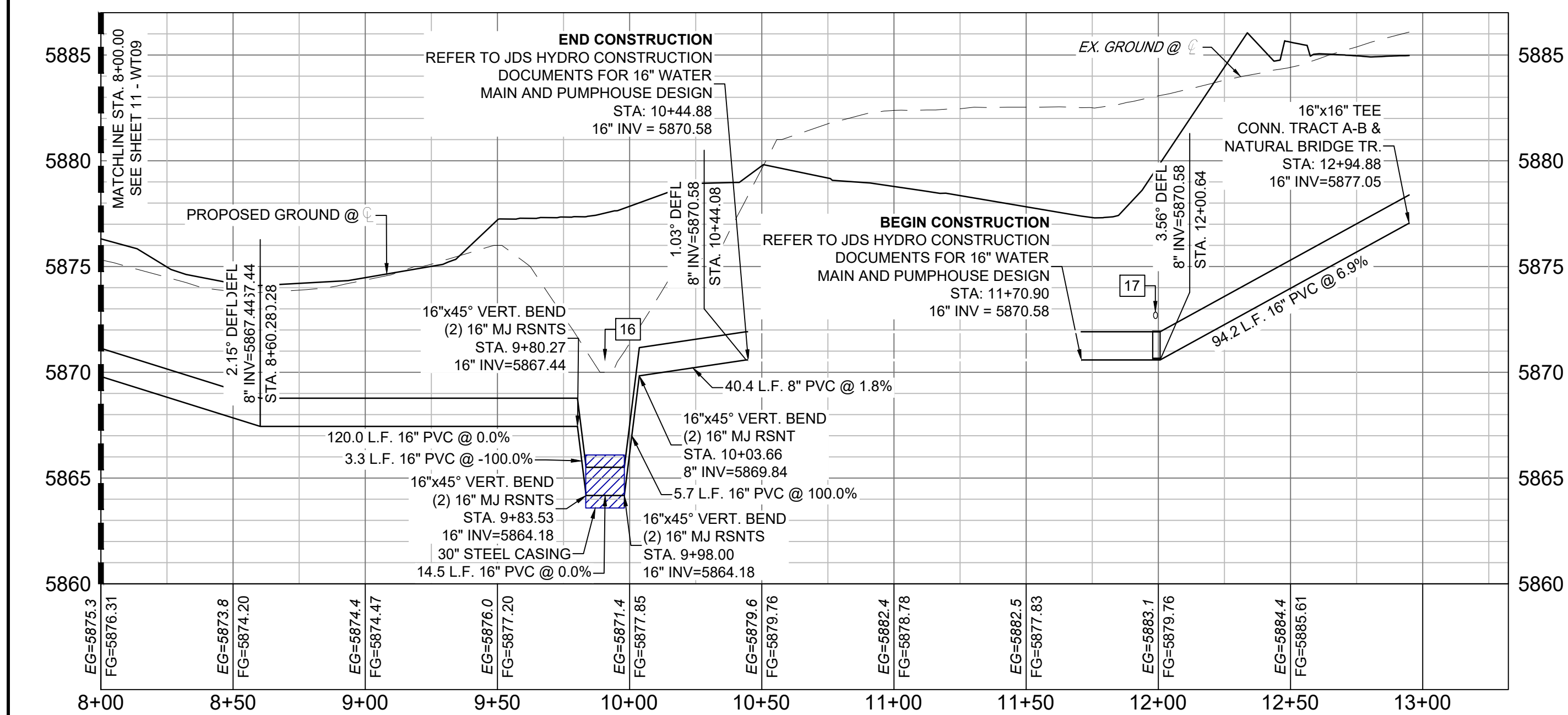
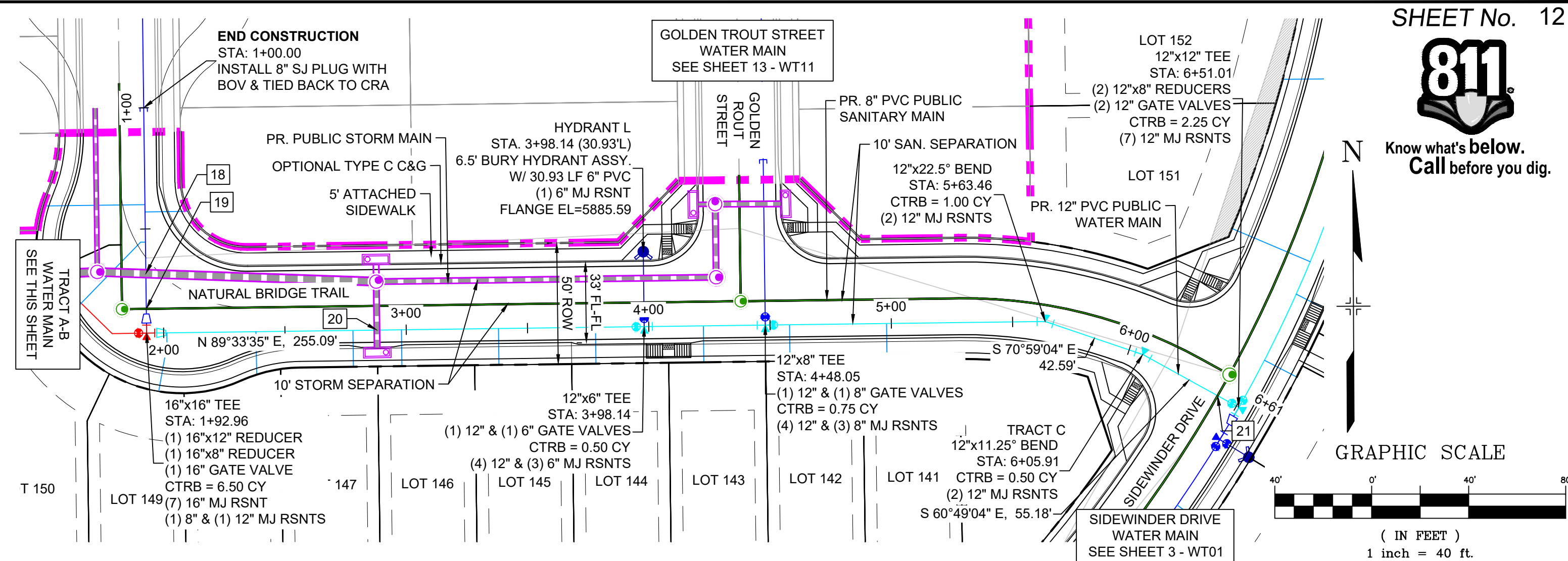
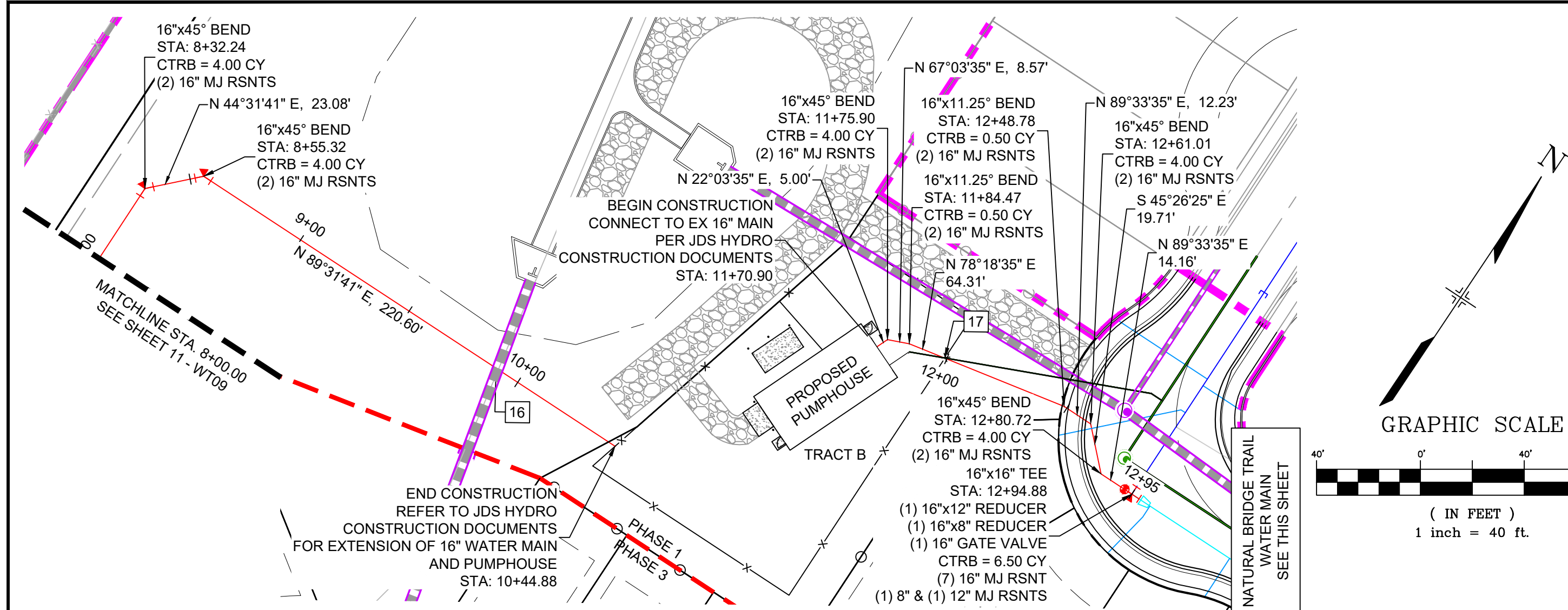
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS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



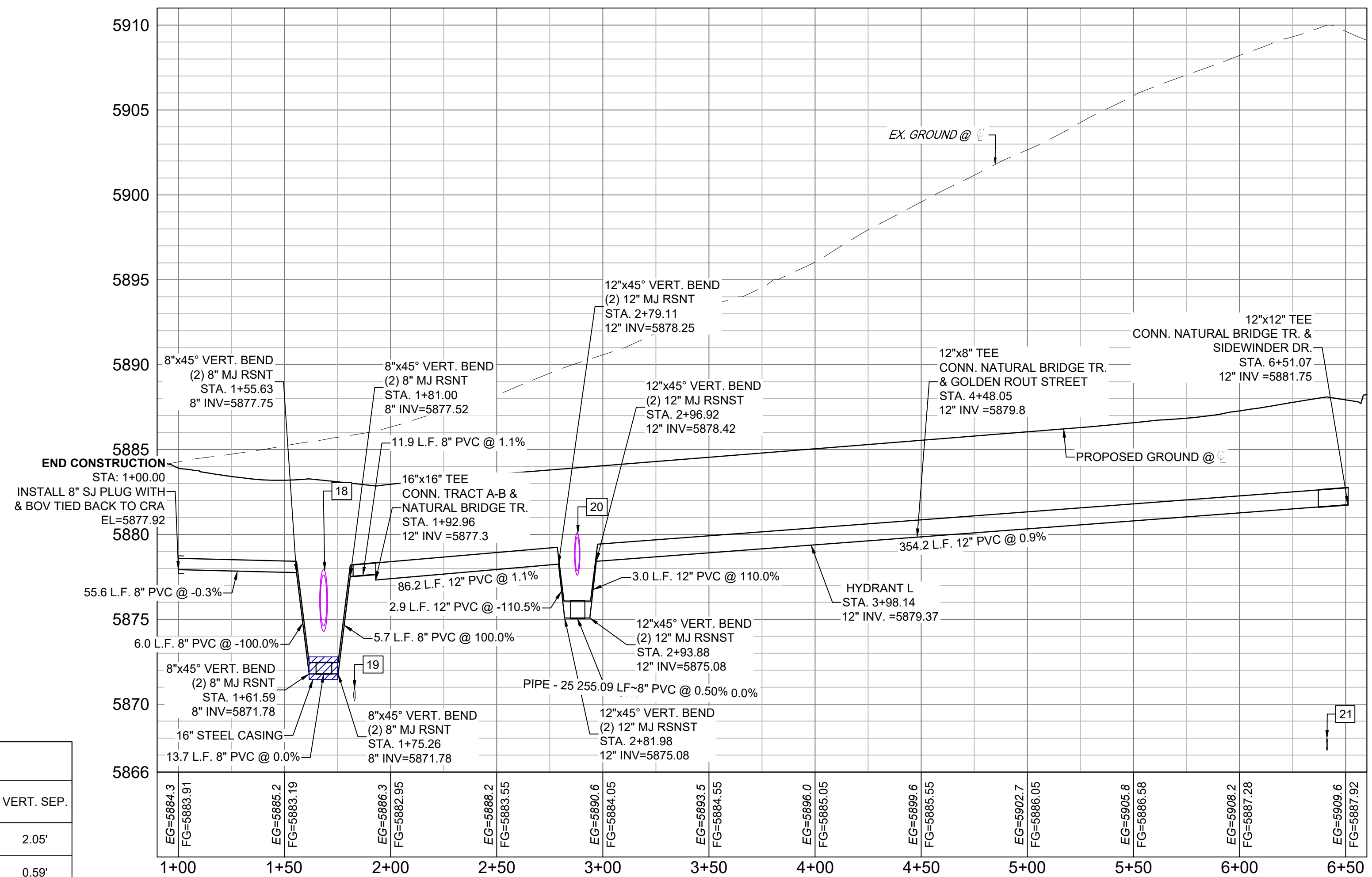
TRAILS AT ASPEN RIDGE			
FILING NO. 3 PUBLIC WATERLINE PLANS			
WATERLINE PLAN AND PROFILE			
DESIGNED BY:	BAS	SCALE	DATE ISSUED:
DRAWN BY:	BAS	HORIZ. 1" = 40'	AUGUST 2021
CHECKED BY:	NMS	VERT. 1" = 5'	SHEET
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 20.886.028			DRAWING No. WT09



Know what's below.
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TRACT A-B - WTR PROFILE
SCALE: (H) 1" = 40' (V) 1" = 5'
START STA: 8+00.00, END STA: 13+32.38



NATURAL BRIDGE - WTR PROFILE
SCALE: (H) 1" = 40' (V) 1" = 5'
START STA: 0+90.00, END STA: 6+60.00

NOTES:

1. ALL DEFLECTIONS ARE ACHIEVED UTILIZING HIGH-DEFLECTION COUPLERS.
2. WATER CROSSINGS REQUIRING SECONDARY CONFINEMENT SHALL BE IN ACCORDANCE WITH WIDEFIELD WATER STANDARDS DETAIL W-16.
3. ALL WATER LOWERINGS SHALL BE BUILT IN ACCORDANCE WITH WIDEFIELD WATER STANDARDS DETAIL W-16.
4. 16" VALVES SHALL INCLUDE SIDE OPERATED THAT MEETS THE REQUIREMENTS OF AWWA STANDARD C515 MODIFIED TO 250 PSI WORKING PRESSURE. VALVES SHALL BE EPOXY COATED AWWA C550 AND BE EQUIPPED WITH BEVELED GEAR BOX.
5. 16" DIAMETER PIPE SHALL MEET REQUIREMENTS OF AWWA STANDARD C905 AND SHALL BE DR18.

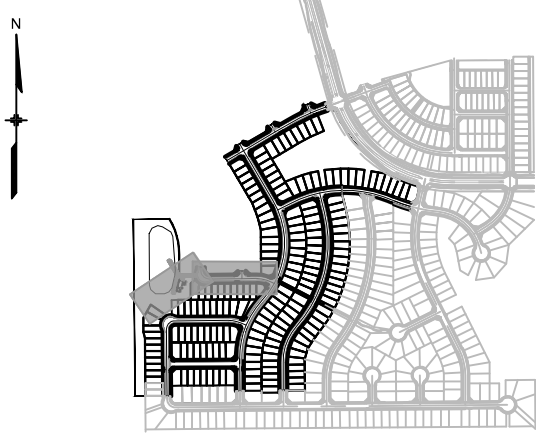
THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE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

UTILITY CROSSING DETAILS

CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	VERT. SEP.
16	N 6129.00 E 11868.08	16" PVC WATER 5865.54	45"x29" HERCP 5875.14	2.05'
17	N 6228.20 E 12009.75	16" PVC WATER 5871.94	4" PVC SEWER 5872.53	0.59'
18	N 6249.15 E 12098.53	8" PVC WATER 5872.47	36" RCP STORM 5874.28	1.81'
19	N 6234.62 E 12098.64	8" PVC SEWER 5870.90	8" PVC WATER 5877.52	6.62'
20	N 6225.35 E 12193.69	12" PVC WATER 5876.10	24" RCP STORM 5877.60	1.50'
21	N 6196.45 E 12540.16	8" PVC SEWER 5867.98	12" PVC WATER 5881.63	13.65'

REFERENCE DRAWINGS					
No.	DATE	DESCRIPTION	BY		
COMPUTER FILE MANAGEMENT					
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PLOT DATE: August 18, 2021 10:32:21 AM					
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.					

SHEET KEY



BENCHMARK

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

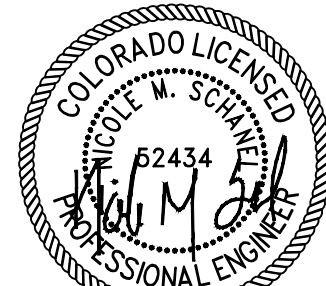
BASIS OF BEARING

BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 55 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)

PREPARED BY:



SEAL



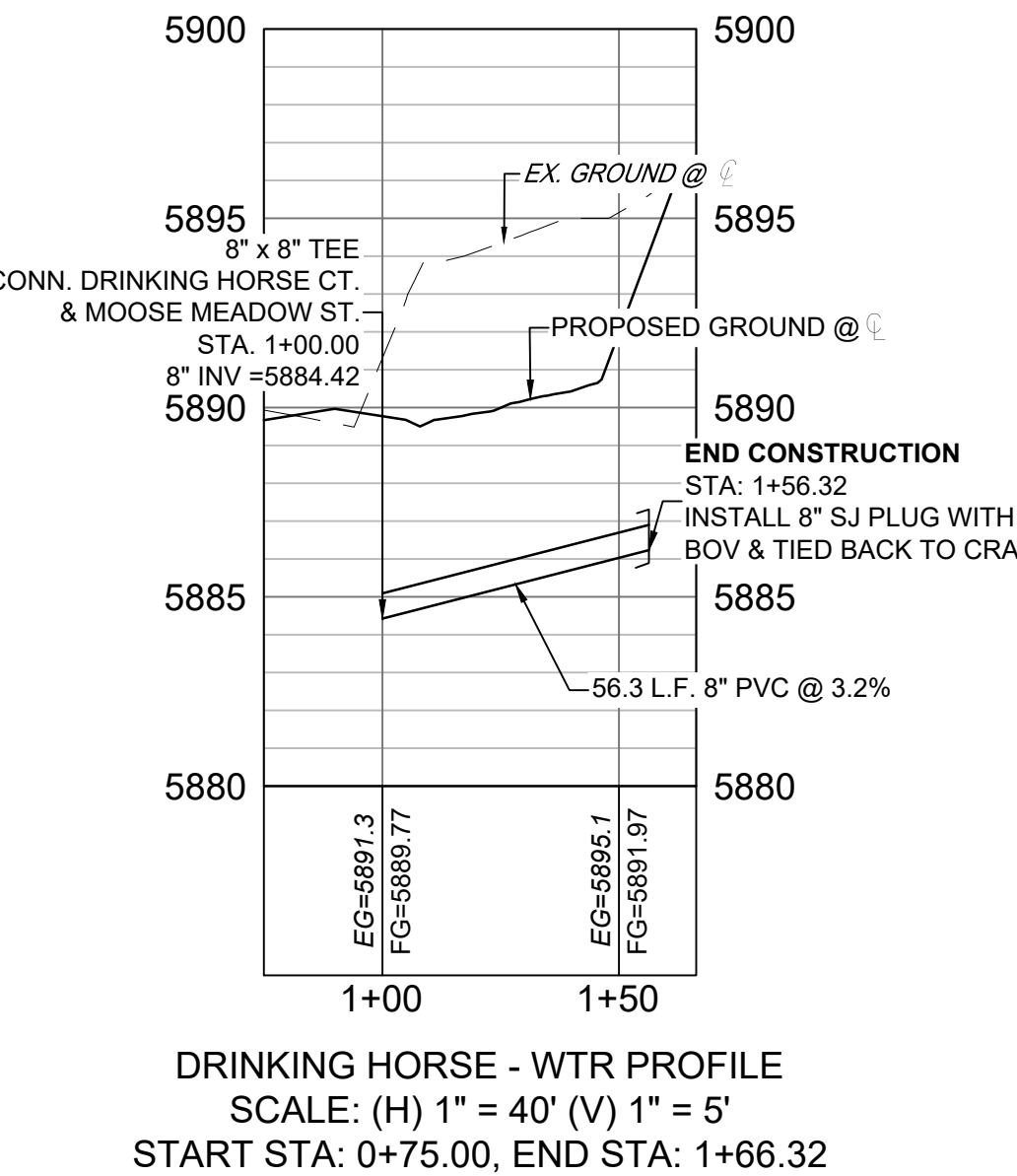
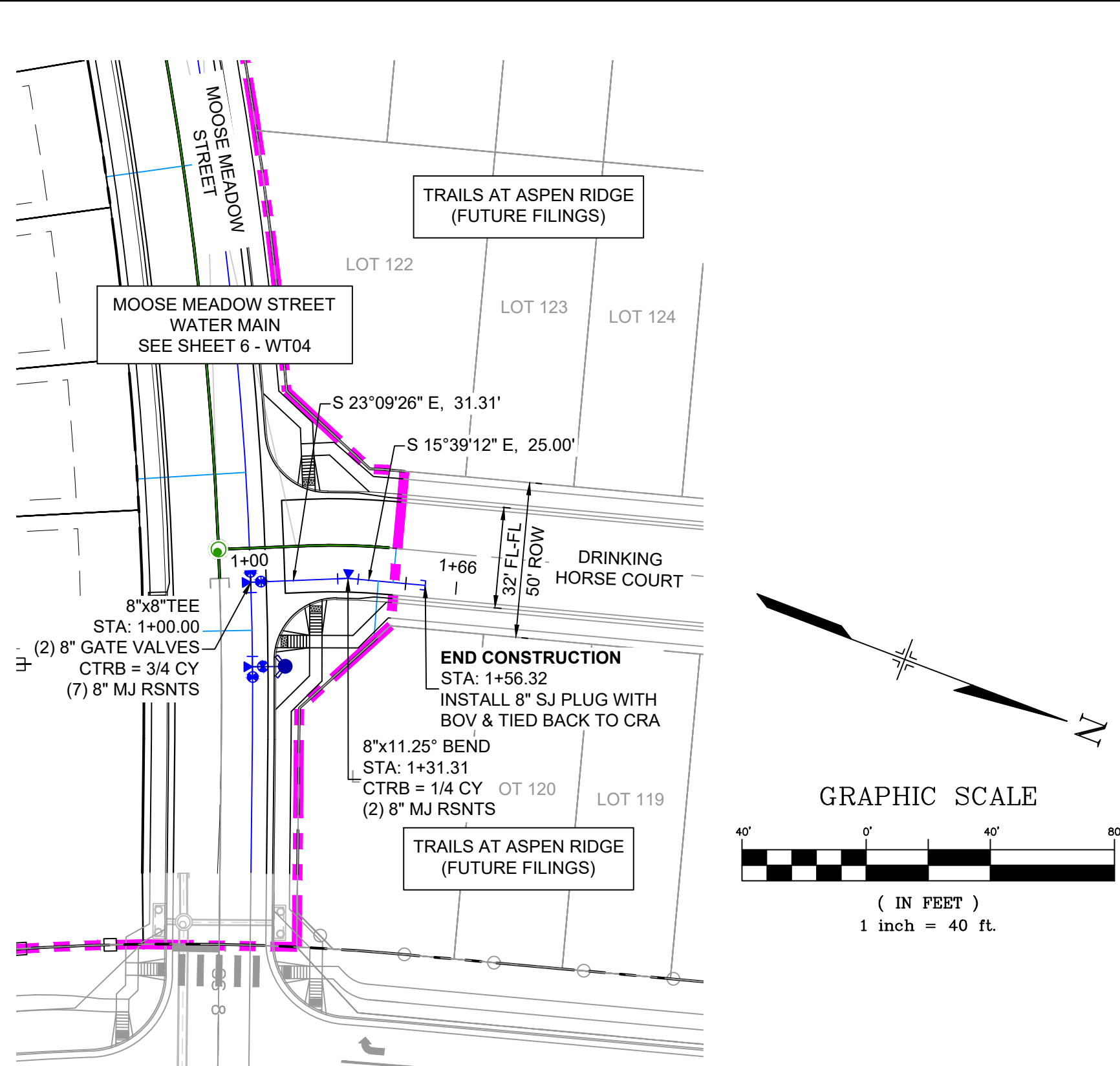
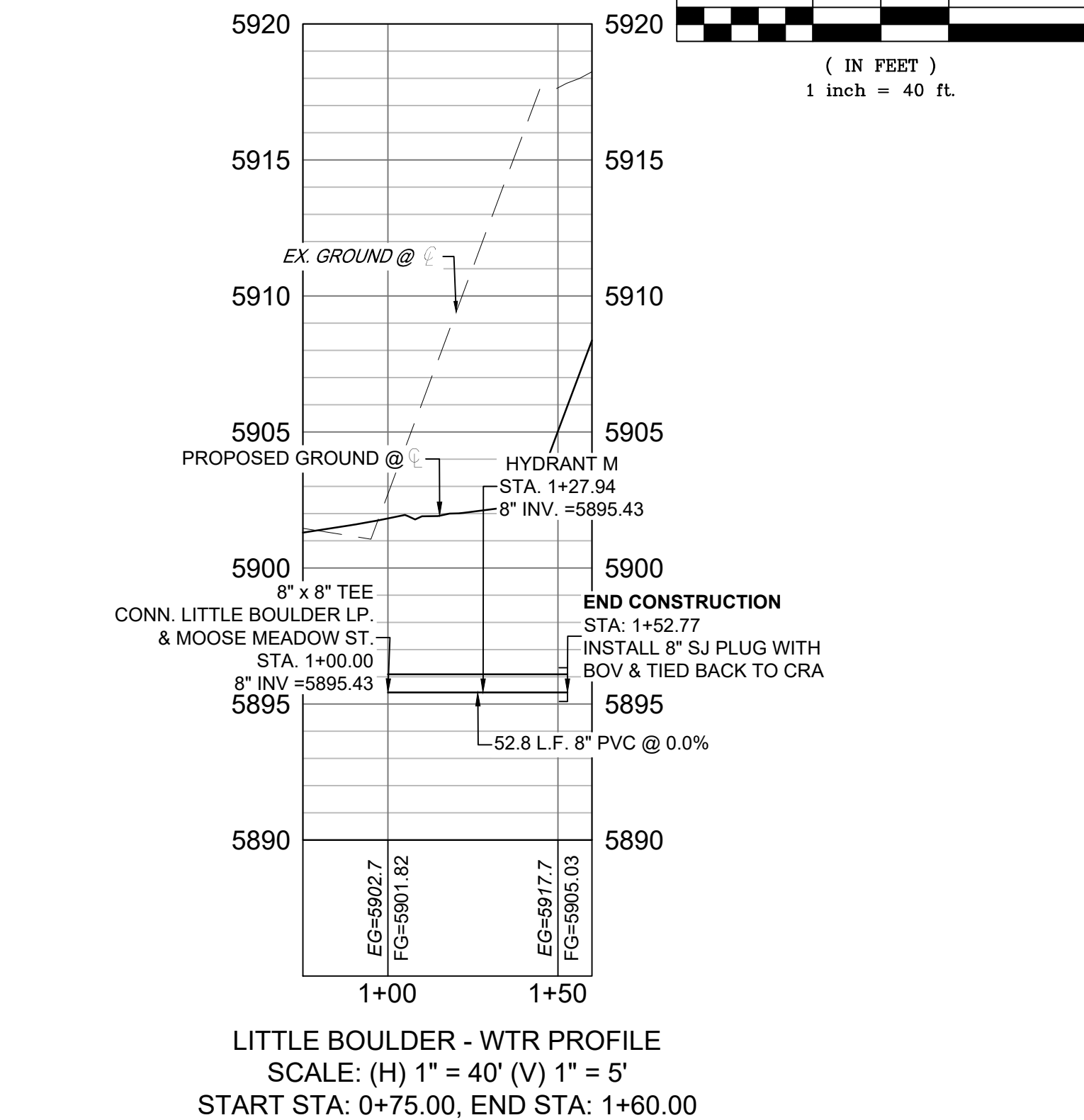
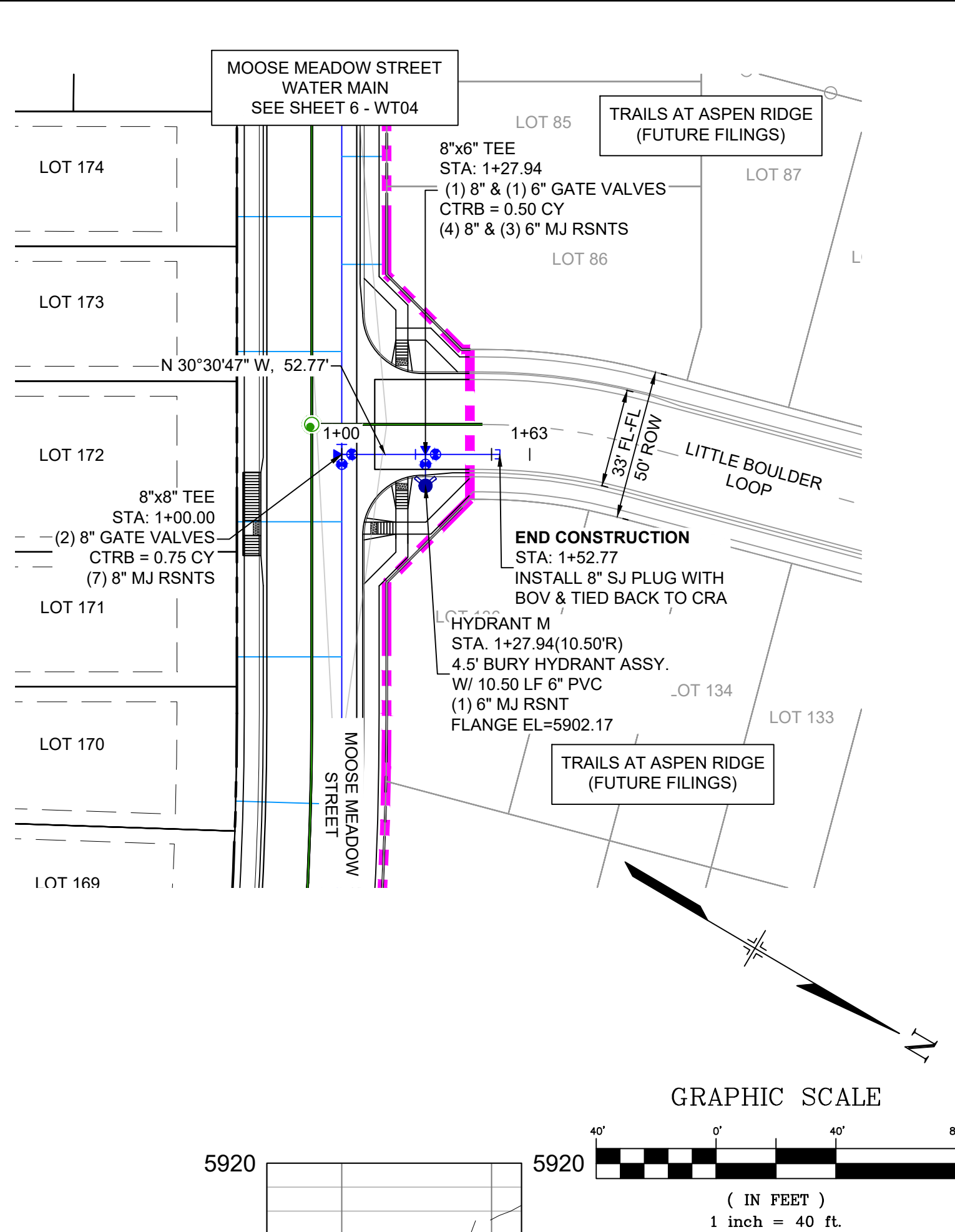
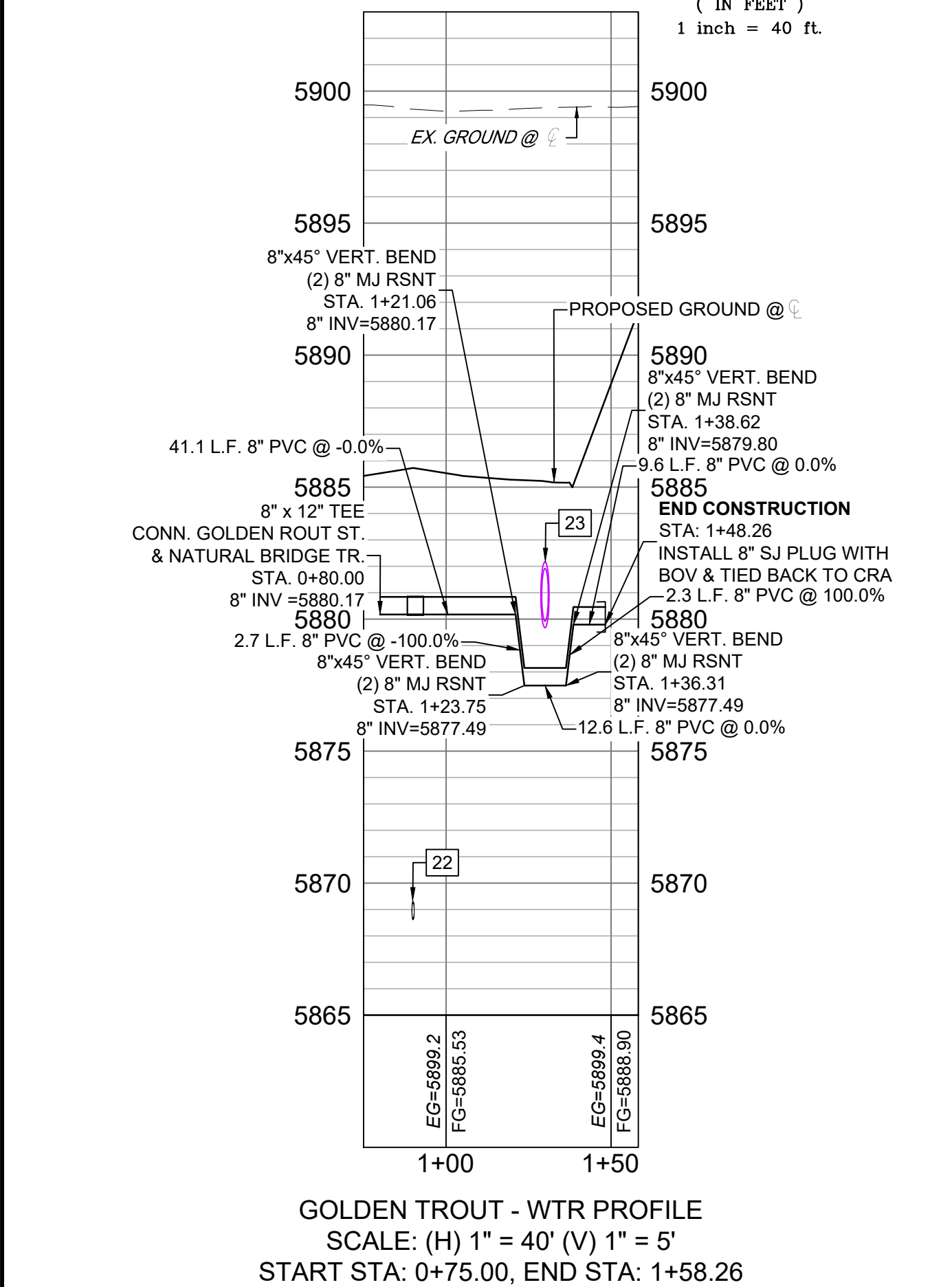
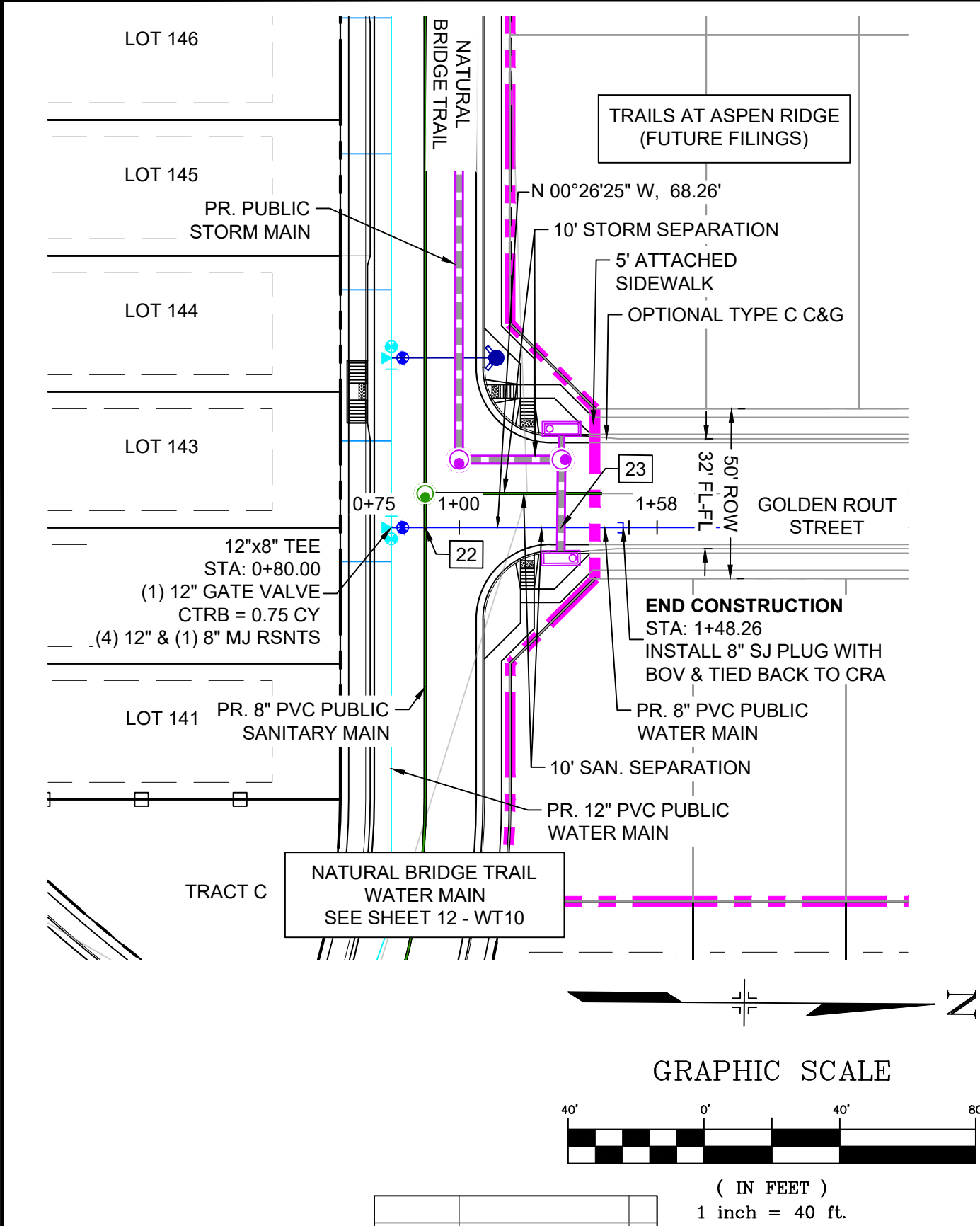
FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 20.886.028

TRAILS AT ASPEN RIDGE

FILING NO. 3
PUBLIC WATERLINE PLANS

WATERLINE PLAN AND PROFILE

DESIGNED BY: BAS SCALE: 1" = 40' DATE ISSUED: AUGUST 2021 DRAWING No. WT10
CHECKED BY: NMS HORIZ. 1" = 5' VERT. 1" = 5' SHEET 12 OF 16

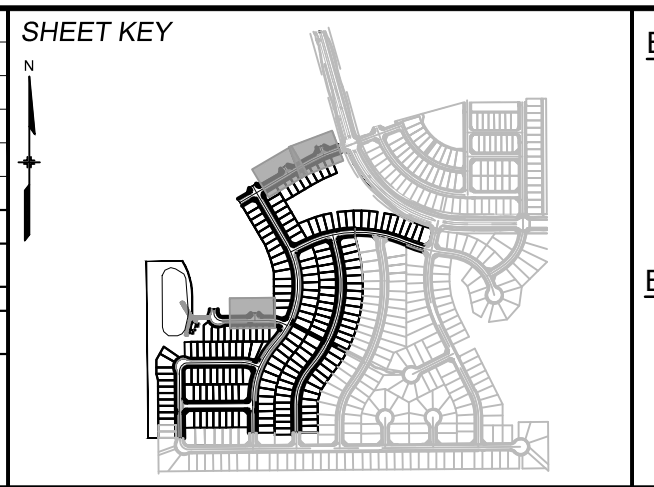


UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	VERT. SEP.
22	N 6236.58 E 12353.72	8" PVC SEWER 5869.32	8" PVC WATER 5880.15	10.83'
23	N 6236.58 E 12353.72	8" PVC WATER 5878.17	24" RCP STORM 5879.67	1.50'

- NOTES:
- ALL DEFLECTIONS ARE ACHIEVED UTILIZING HIGH-DEFLECTION COUPLERS.
 - WATER CROSSINGS REQUIRING SECONDARY CONAINMENT SHALL BE IN ACCORDANCE WITH WIDEFIELD WATER STANDARDS DETAIL W-16.
 - ALL WATER LOWERINGS SHALL BE BUILT IN ACCORDANCE WITH WIDEFIELD WATER STANDARDS DETAIL W-16

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\Water Plan\WT01.dwg			
CTB FILE: Matrix(black).ctb			
PLOT DATE: August 18, 2021 10:32:31 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 PUBLIC WATERLINE PLANS				
WATERLINE PLAN AND PROFILE				
DESIGNED BY:	BAS	SCALE	DATE ISSUED:	AUGUST 2021
DRAWN BY:	BAS	HORIZ. 1" = 40'		
CHECKED BY:	NMS	VERT. 1" = 5'	SHEET	13 OF 16
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 20.886.028				DRAWING No. WT11

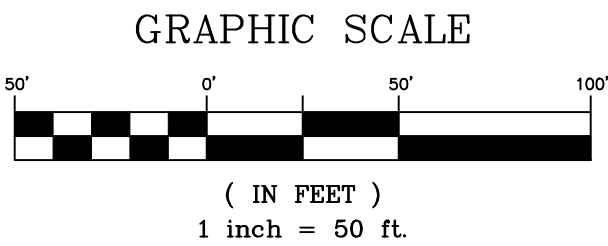
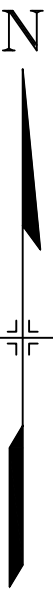


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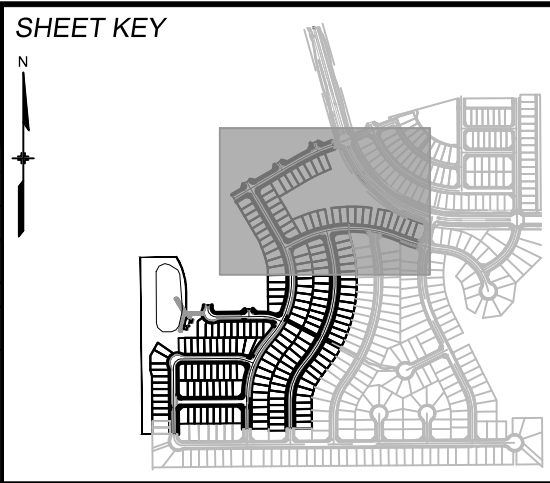
WATERLINE SERVICE TABLE				
LOT #	BEARING	LENGTH	NORTHING	EASTING
1	S76°20'52\"W	23.97	6739.22	12871.74
2	S76°57'58\"W	15.03	6656.99	12882.52
3	S78°22'19\"W	15.00	6624.35	12889.89
54	N79°35'53\"E	34.95	6605.38	12842.74
55	N76°21'09\"E	35.00	6655.06	12831.50
56	N76°20'52\"E	47.50	6727.21	12801.11
57	S69°48'45\"W	34.53	6658.62	12618.18
58	S80°03'10\"W	15.08	6569.36	12623.89
157	S76°53'49\"W	34.97	6578.91	12606.36
158	S69°39'38\"W	35.00	6643.34	12587.01
159	S64°26'02\"W	34.92	6693.07	12565.84
160	S59°35'55\"W	35.00	6748.08	12535.06
161	N59°35'55\"E	35.00	6769.18	12482.10
162	N59°35'55\"E	35.00	6807.99	12459.33
163	S59°35'55\"W	35.00	6876.22	12459.87
164	S59°35'55\"W	35.00	6903.33	12443.97
165	S59°35'55\"W	35.00	6942.14	12421.20
166	N59°38'14\"E	35.02	6970.14	12364.19
167	N21°54'13\"W	34.99	7257.03	12806.43
168	N24°18'44\"W	35.00	7237.64	12761.00
169	N26°45'28\"W	35.00	7216.02	12715.75
170	N28°48'52\"W	34.99	7193.68	12673.56
171	N30°30'47\"W	35.00	7169.53	12631.89
172	N30°30'47\"W	35.00	7146.68	12593.13
173	N30°30'47\"W	35.00	7117.84	12544.19

WATERLINE SERVICE TABLE				
LOT #	BEARING	LENGTH	NORTHING	EASTING
174	N30°30'47\"W	35.00	7094.99	12505.43
175	N59°38'16\"E	22.25	7004.41	12384.70
176	S59°35'55\"W	15.00	6954.04	12431.60
177	N59°35'55\"E	15.00	6907.64	12441.44
178	N59°35'55\"E	15.00	6867.60	12464.93
179	N59°35'55\"E	15.00	6830.01	12486.98
180	N59°35'55\"E	15.01	6791.20	12509.76
181	N59°35'55\"E	15.00	6752.39	12532.53
182	S60°55'19\"W	15.15	6724.48	12566.30
183	N20°54'21\"W	15.02	6745.15	12709.50
184	N17°38'35\"W	15.02	6759.79	12749.92
185	N14°22'49\"W	15.02	6772.11	12791.10
186	N11°50'40\"W	15.02	6781.81	12831.80
187	N05°48'34\"W	15.02	6794.02	12910.34
188	N02°32'48\"W	15.02	6797.15	12953.22
189	N02°09'48\"E	15.11	6797.84	12996.29
190	N04°21'03\"E	15.02	6796.09	13039.05
191	N07°14'30\"E	15.02	6792.31	13078.66
192	N10°26'56\"E	14.91	6787.77	13110.04
193	N12°59'58\"E	15.11	6776.71	13164.29
194	N17°17'50\"E	15.11	6766.76	13200.81
195	N21°06'06\"E	15.12	6755.22	13237.01
196	N24°01'36\"E	15.12	6741.64	13272.75
197	N21°41'47\"E	14.99	6724.66	13313.78
198	N19°14'57\"E	14.89	6708.98	13356.89



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 Plan Sets\Construction Plans\Utility Plans\Water Plan\WT12.dwg			
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PLOT DATE: August 18, 2021 10:33:26 AM			
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BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.
ELEVATION - 5897.89' U.S. SURVEY FT

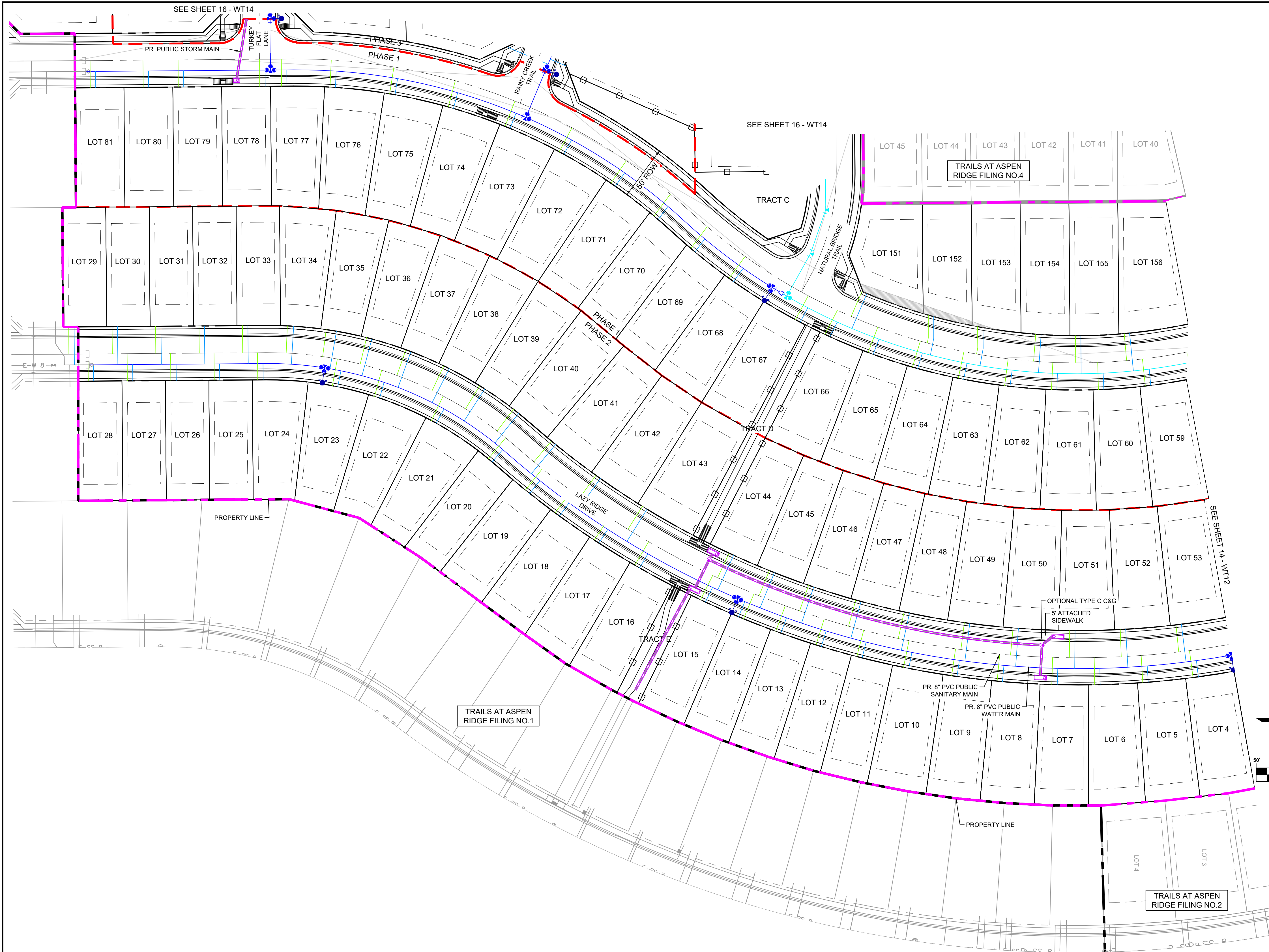
BASIS OF BEARING
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23\"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2\" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4\" AULM. CAP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



TRAILS AT ASPEN RIDGE				
FILING NO. 3 PUBLIC WATERLINE PLANS				
WATERLINE SERVICE PLAN				
DESIGNED BY:	BAS	SCALE	DATE ISSUED:	AUGUST 2021
DRAWN BY:	BAS	HORIZ. 1" = 40'		
CHECKED BY:	NMS	VERT. 1" = 5'	SHEET	14 OF 16
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 20.886.028				DRAWING No. WT12

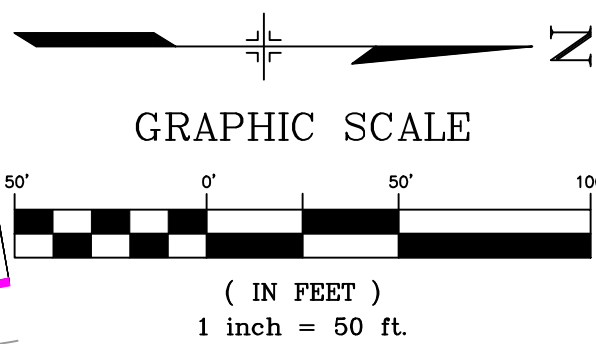


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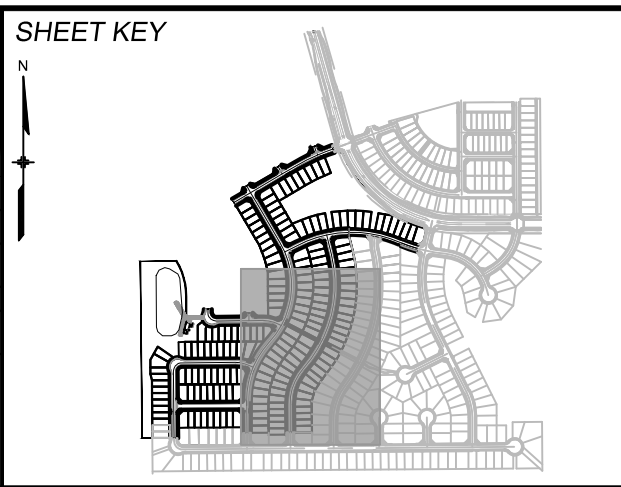
WATERLINE SERVICE TABLE				
LOT #	BEARING	LENGTH	NORTHING	EASTING
5	S86°36'31"W	15.08	6524.27	12904.15
6	S89°13'00"W	15.02	6480.03	12906.35
7	N88°14'37"W	15.00	6440.57	12906.33
8	N85°02'18"W	15.04	6390.17	12903.56
9	S81°43'04"E	15.02	6350.48	12883.95
10	N78°53'49"W	14.98	6303.93	12891.34
11	N75°47'37"W	15.02	6260.96	12881.72
12	N72°26'56"W	15.02	6223.37	12871.24
13	N69°34'34"W	15.05	6186.16	12858.94
14	N67°05'35"W	15.02	6147.20	12843.76
15	N63°58'36"W	15.07	6116.70	12830.39
16	N58°59'02"W	15.05	6056.05	12798.89
17	N56°22'12"W	15.05	6018.56	12776.03
18	N53°58'49"W	15.05	5982.37	12751.18
19	N51°33'36"W	15.06	5955.01	12730.41
20	N49°35'36"W	15.00	5920.50	12701.41
21	N60°57'14"W	14.75	5869.04	12665.44
22	N74°31'27"W	15.02	5816.93	12642.62
23	S78°29'08"E	15.00	5781.29	12617.47
24	N89°33'37"E	15.00	5709.58	12610.82
25	N89°33'37"E	15.00	5669.58	12611.13
26	N89°33'37"E	15.00	5629.58	12611.44
27	N89°33'37"E	15.00	5589.58	12611.74
28	N89°33'37"E	15.00	5553.58	12612.02
29	N89°33'35"E	35.00	5535.69	12577.16
30	N89°33'35"E	35.00	5575.69	12576.85
31	N89°33'35"E	35.00	5615.68	12576.54
32	N89°33'35"E	35.00	5655.68	12576.23
33	N89°33'35"E	35.00	5695.68	12575.93
34	S86°26'06"E	35.00	5737.83	12576.50
35	N80°15'06"W	34.96	5771.23	12615.55
36	S75°02'59"E	35.00	5809.69	12588.21
37	S70°12'47"E	35.01	5845.74	12599.86
38	S63°06'08"E	35.00	5881.04	12615.49
39	S57°14'05"E	35.00	5913.63	12634.18
40	S51°13'03"E	35.00	5944.89	12656.70
41	S50°18'40"E	34.95	5978.79	12685.36
42	S54°12'08"E	34.95	6020.06	12716.68
43	S57°59'24"E	34.94	6063.01	12744.93
44	S65°23'23"E	35.00	6142.74	12787.26

WATERLINE SERVICE TABLE				
LOT #	BEARING	LENGTH	NORTHING	EASTING
45	S67°56'45"E	35.00	6180.19	12803.22
46	S71°20'47"E	34.95	6216.43	12816.54
47	S74°29'37"E	34.98	6259.99	12829.77
48	S77°39'52"E	34.95	6304.56	12840.52
49	N82°36'39"W	35.01	6355.53	12884.64
50	S85°49'04"E	34.86	6404.83	12854.68
51	S89°21'45"E	34.98	6457.00	12856.58
52	N86°45'45"E	34.91	6503.58	12855.44
53	S84°34'45"W	15.08	6526.61	12631.01
54	S87°19'28"W	15.07	6483.47	12634.72
55	N88°07'54"W	15.07	6440.21	12635.02
56	N82°34'01"W	15.07	6397.09	12631.91
57	N78°02'44"W	15.07	6354.36	12625.41
58	N73°05'36"W	15.11	6312.07	12615.54
59	N69°00'34"W	15.07	6271.12	12602.44
60	N62°37'41"W	15.25	6231.15	12586.30
61	N62°22'44"W	15.00	6204.01	12572.79
62	N53°48'23"W	15.07	6142.57	12535.39
63	N53°01'52"W	14.75	6107.28	12507.90
64	N53°02'20"W	14.73	6073.44	12478.03
65	N55°41'21"W	14.96	6033.92	12447.68
66	N61°49'49"W	14.98	5986.54	12418.23
67	N68°35'04"W	14.93	5936.96	12394.38
68	N74°48'14"W	14.93	5884.85	12376.01
69	N81°01'25"W	14.93	5831.06	12363.39
70	N87°14'42"W	14.93	5776.21	12356.67
71	S89°33'36"W	15.00	5731.58	12355.64
72	S89°33'36"W	15.00	5711.57	12355.80
73	S89°33'36"W	15.00	5636.58	12356.37
74	N89°33'35"E	15.00	5604.17	12341.62
75	S89°33'35"W	15.00	5555.59	12357.00
76	S66°41'08"E	34.98	6265.41	12546.49
77	S78°45'00"E	15.70	6326.88	12587.65
78	N90°00'00"E	20.00	6326.88	12567.65
79	S79°54'29"E	16.31	6372.36	12596.77
80	N89°32'17"E	18.99	6372.20	12577.78
81	N86°04'23"W	34.98	6423.29	12619.10
82	S89°31'04"W	34.98	6462.56	12620.22
83	S84°20'31"W	34.98	6510.63	12617.64



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REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
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PLOT DATE: August 18, 2021 10:33:32 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

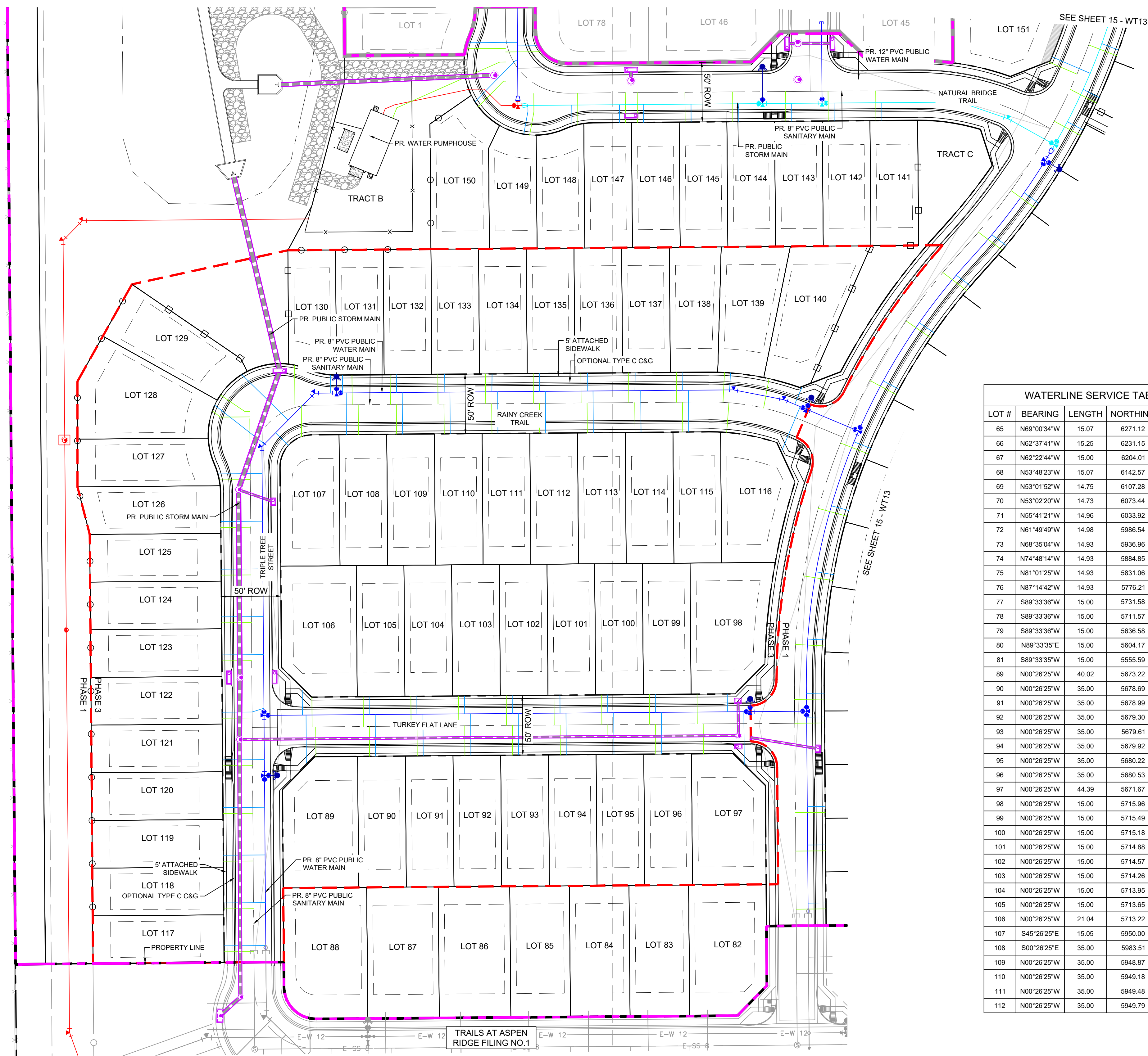


BENCHMARK
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.
ELEVATION - 5897.89' U.S. SURVEY FT

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



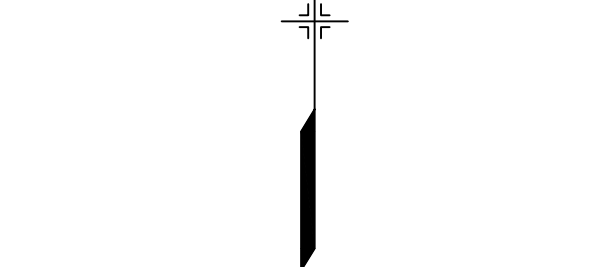
TRAILS AT ASPEN RIDGE				
FILING NO. 3 PUBLIC WATERLINE PLANS				
WATERLINE SERVICE PLAN				
DESIGNED BY:	BAS	SCALE	DATE ISSUED:	AUGUST 2021
DRAWN BY:	BAS	HORIZ. 1" = 40'		
CHECKED BY:	NMS	VERT. 1" = 5'	SHEET	15 OF 16
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 20.886.028				DRAWING No. WT13

Know what's below.
Call before you dig.

WATERLINE SERVICE TABLE				
LOT #	BEARING	LENGTH	NORTHING	EASTING
65	N89°00'34\"W	15.07	6271.12	12602.44
66	N62°37'41\"W	15.25	6231.15	12586.30
67	N62°22'44\"W	15.00	6204.01	12572.79
68	N53°48'23\"W	15.07	6142.57	12535.39
69	N53°01'52\"W	14.75	6107.28	12507.90
70	N53°02'20\"W	14.73	6073.44	12478.03
71	N55°41'21\"W	14.96	6033.92	12447.68
72	N61°49'49\"W	14.98	5986.54	12418.23
73	N68°35'04\"W	14.93	5936.96	12394.38
74	N74°48'14\"W	14.93	5884.85	12376.01
75	N81°01'25\"W	14.93	5831.06	12363.39
76	N87°14'42\"W	14.93	5776.21	12356.67
77	S89°33'36\"W	15.00	5731.58	12355.64
78	S89°33'36\"W	15.00	5711.57	12355.80
79	S89°33'36\"W	15.00	5636.58	12356.37
80	N89°33'35\"E	15.00	5604.17	12341.62
81	S89°33'35\"W	15.00	5555.59	12357.00
89	N00°26'25\"W	40.02	5673.22	11921.29
90	N00°26'25\"W	35.00	5678.69	11979.28
91	N00°26'25\"W	35.00	5678.99	12019.28
92	N00°26'25\"W	35.00	5679.30	12059.28
93	N00°26'25\"W	35.00	5679.61	12099.28
94	N00°26'25\"W	35.00	5679.92	12139.28
95	N00°26'25\"W	35.00	5680.22	12179.28
96	N00°26'25\"W	35.00	5680.53	12219.28
97	N00°26'25\"W	44.39	5671.67	12286.53
98	N00°26'25\"W	15.00	5715.96	12274.40
99	N00°26'25\"W	15.00	5715.49	12214.01
100	N00°26'25\"W	15.00	5715.18	12174.01
101	N00°26'25\"W	15.00	5714.88	12134.01
102	N00°26'25\"W	15.00	5714.57	12094.01
103	N00°26'25\"W	15.00	5714.26	12054.01
104	N00°26'25\"W	15.00	5713.95	12014.01
105	N00°26'25\"W	15.00	5713.65	11974.02
106	N00°26'25\"W	21.04	5713.22	11917.98
107	S45°26'25\"E	15.05	5950.00	11895.45
108	S00°26'25\"E	35.00	5983.51	11954.64
109	N00°26'25\"W	35.00	5948.87	12001.91
110	N00°26'25\"W	35.00	5949.18	12041.91
111	N00°26'25\"W	35.00	5949.48	12081.91
112	N00°26'25\"W	35.00	5949.79	12121.91

WATERLINE SERVICE TABLE				
LOT #	BEARING	LENGTH	NORTHING	EASTING
113	N00°26'25\"W	35.00	5950.10	12161.91
114	N00°26'25\"W	35.00	5950.41	12201.91
115	N00°26'25\"W	35.00	5950.71	12241.90
116	N22°45'11\"E	39.99	5935.09	12319.97
117	N89°33'35\"E	34.97	5519.62	11852.25
118	N89°33'35\"E	35.00	5555.62	11851.97
119	N89°33'35\"E	35.00	5595.62	11851.66
120	N89°33'35\"E	35.00	5635.62	11851.36
121	N89°33'35\"E	35.00	5675.62	11851.05
122	N89°33'35\"E	35.00	5720.62	11850.70
123	N89°33'35\"E	35.00	5769.64	11850.33
124	N89°33'35\"E	35.00	5795.62	11850.13
125	N89°33'35\"E	35.00	5835.62	11849.82
126	N89°33'35\"E	35.00	5875.61	11849.51
127	N89°27'26\"E	37.11	5915.53	11847.08
128	N51°59'02\"W	52.91	5940.57	11886.13
129	S45°26'25\"E	54.52	5998.94	11867.13
130	S00°26'25\"E	15.21	5998.61	11941.53
131	N00°26'25\"W	15.00	5983.48	11951.64
132	S00°38'10\"W	15.00	5998.83	11997.00
133	S00°36'38\"W	15.00	5999.14	12036.98
134	S00°38'32\"W	15.00	5999.45	12077.00
135	S00°33'33\"W	15.00	5999.75	12116.96
136	S00°38'29\"W	15.00	6000.06	12156.99
137	S00°36'57\"W	15.00	6000.37	12196.98
138	S00°36'01\"W	15.00	6000.68	12236.97
139	S02°40'57\"W	14.31	6000.27	12276.94
140	S22°45'11\"W	15.79	5988.46	12336.93
141	N00°26'25\"W	15.00	6211.97	12403.92
142	N00°26'25\"W	15.00	6211.66	12363.93
143	S00°26'25\"E	15.00	6226.38	12328.26
144	N00°26'25\"W	15.00	6211.04	12283.93
145	N00°26'25\"W	15.00	6210.74	12243.93
146	S00°26'25\"E	15.00	6225.43	12203.82
147	N00°26'45\"W	15.00	6210.28	12183.93
148	N00°37'23\"W	17.70	6207.27	12144.01
149A	S10°25'10\"W	19.42	6219.65	12107.12
149B	S00°49'50\"E	5.00	6224.65	12107.05
150A	N44°30'45\"E	48.17	6227.79	12062.66
151A	N89°33'35\"E	2.00	6262.14	12096.43

N

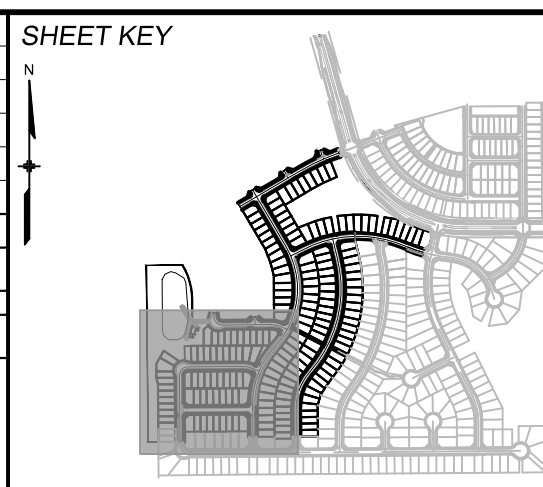


GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft.

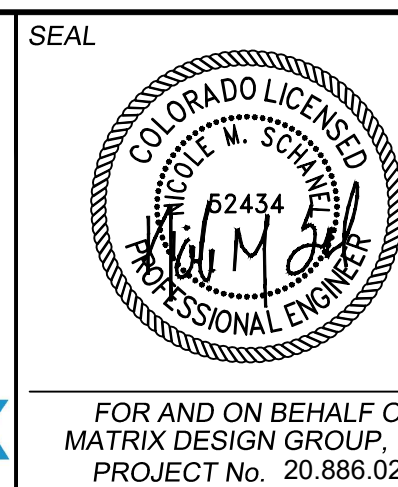
THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE 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\Water Plan\WT12.dwg			
CTB FILE: Matrix(black).ctb			
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WATERLINE SERVICE PLAN			
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FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 20.886.028			DRAWING No. 16 OF 16 WT14