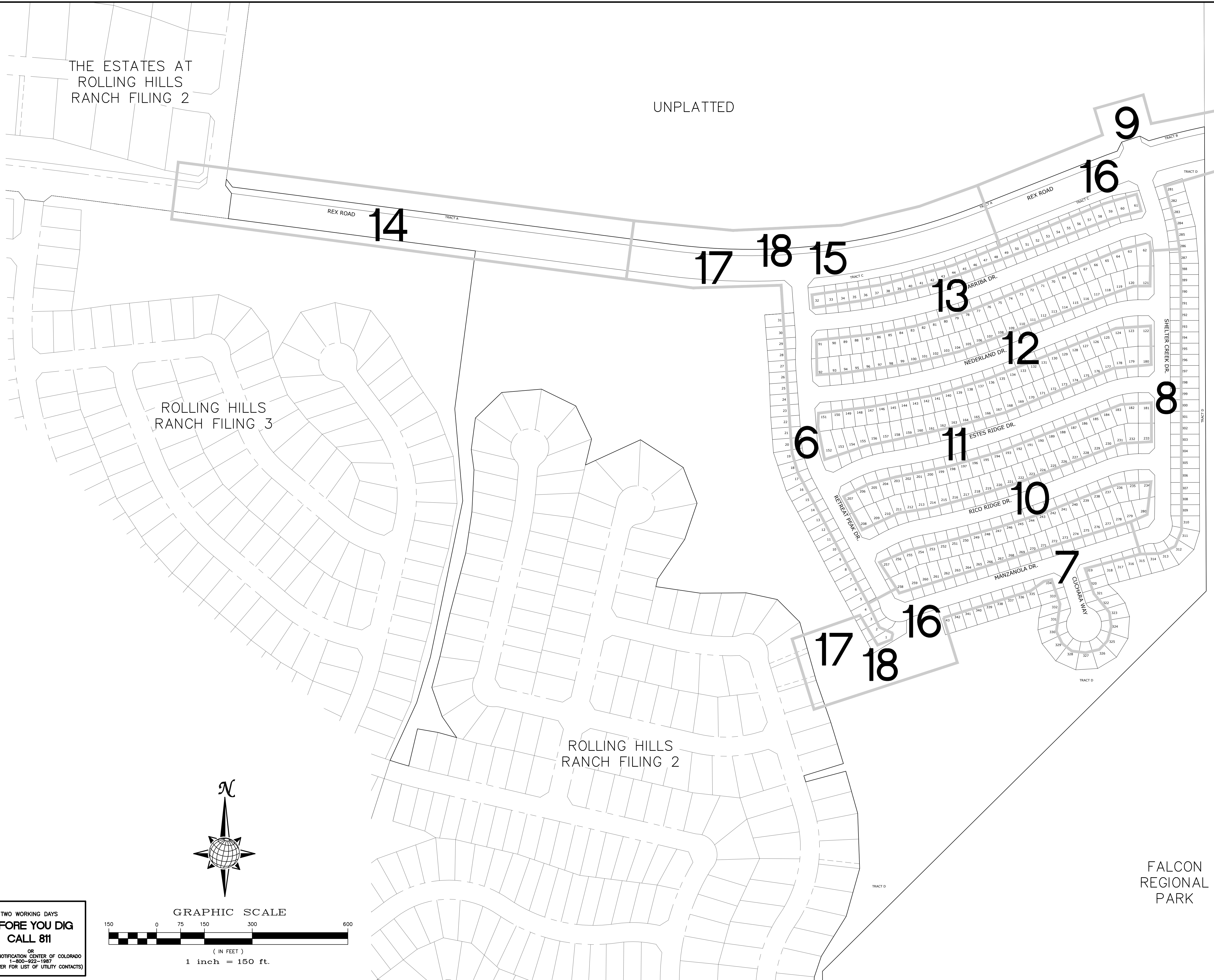


S:\OneDrive\Civil\Proj\Rolling Hills Filing 4\DWG\Plan Sheets\IMPROVEMENT PLANS\01-THE SANCTUARY.dwg, 5/18/2022 1:25:41 PM



THE ESTATES AT ROLLING HILLS RANCH FILING 2

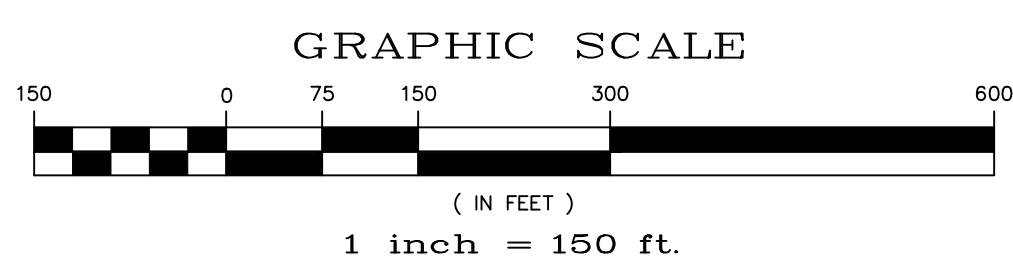
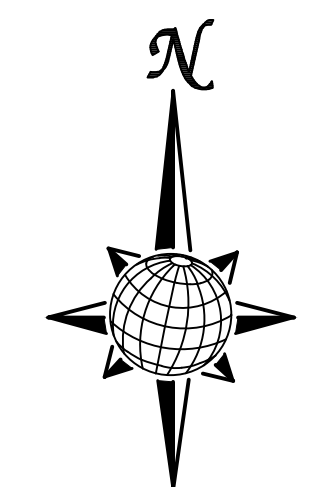
UNPLATTED

FALCON REGIONAL PARK

ROLLING HILLS RANCH FILING 3

ROLLING HILLS RANCH FILING 2

FALCON REGIONAL PARK



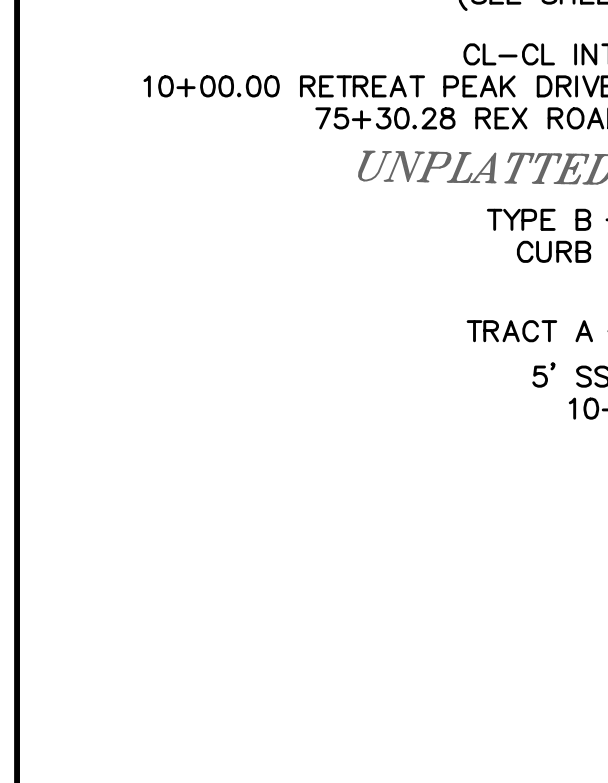
TWO WORKING DAYS BEFORE YOU DIG CALL 811

OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

Scale AS SHOWN	Drawn by LOG	Checked by TAK	Date MAY 2022	No.	Revisions	Date	Appr.
	2					of	40
<p>THE SANCTUARY FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS INDEX SHEET</p>				<p>TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444</p>			
<p>MERIDIAN RANCH</p>							

CURVE	LENGTH	RADIUS	DELTA
1	45.66'	29.50'	88°41'22"
2	45.66'	29.50'	88°40'54"
3	30.63'	19.50'	90°00'00"
4	30.63'	19.50'	90°00'00"
5	30.63'	19.50'	90°00'00"
6	30.63'	19.50'	90°00'00"
7	31.00'	19.50'	91°05'22"
8	30.63'	19.50'	90°00'00"
9	30.63'	19.50'	90°00'00"
10	30.63'	19.50'	90°00'00"

ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)



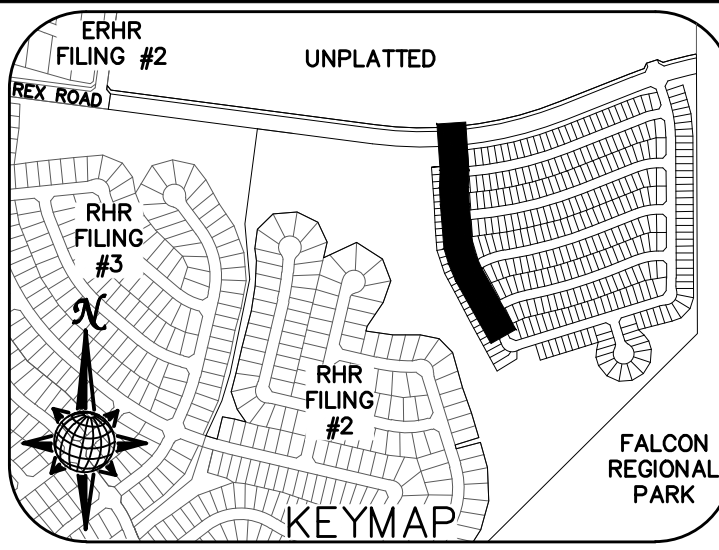
TWO WORKING DAYS BEFORE YOU DIG CALL 811

OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

comment was provided on the pud plan to revise ROW so that sidewalk is within the ROW. Revise accordingly.

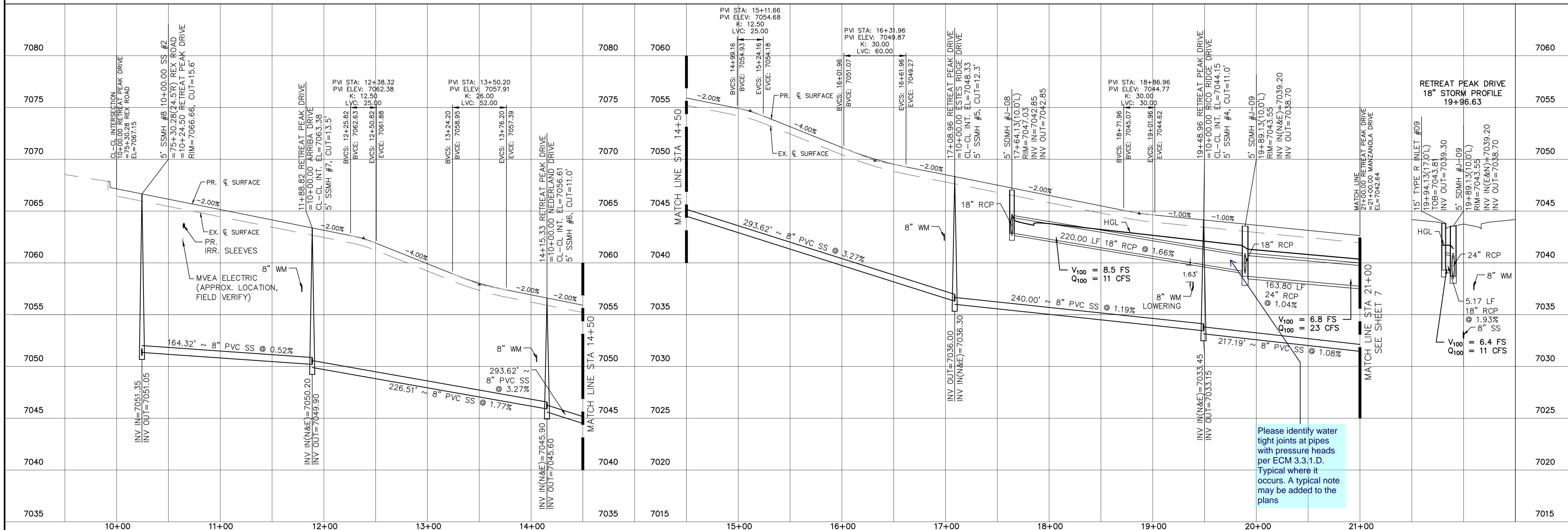
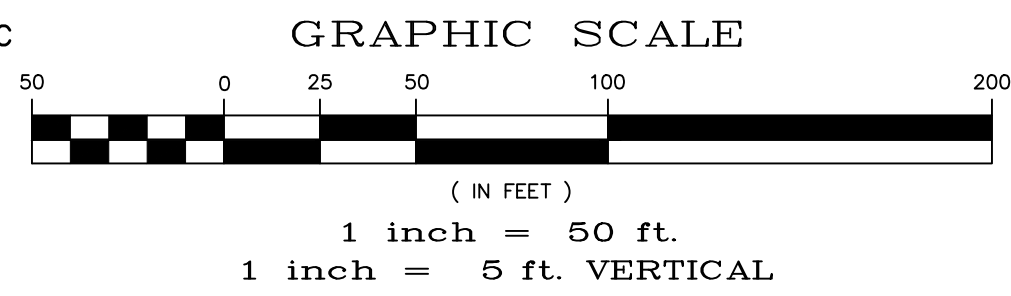
Consider revising the sidewalk so that goes around the inlet. Concern is ADA path across the inlet box. Typical where occurs.

INSTALL CROSS PAN PER COUNTY STD SD-2-26	INSTALL CROSS PAN PER COUNTY STD SD-2-26
□ = 7063.25	□ = 7048.20
□ = 7062.91	□ = 7047.86
□ = 7062.57	□ = 7047.52
□ = 7056.48	□ = 7043.85
□ = 7056.14	□ = 7043.68
□ = 7055.80	□ = 7043.51



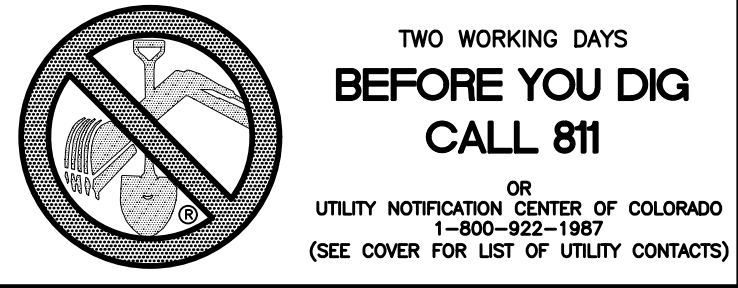
RETREAT PEAK DRIVE

URBAN LOCAL, DESIGN SPEED 25 MPH
50' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



Please identify water tight joints at pipes with pressure heads per ECM 3.3.1.D. Typical where it occurs. A typical note may be added to the plans

Scale	AS SHOWN	6 of 40
Drawn by	LOG	DATE
Checked by	TAK	MAY 2022
THE SANCTUARY FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS RETREAT PEAK DRIVE		
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444		
No.	Revisions	Date
1		
2		
3		
4		
		Appr.
		Date

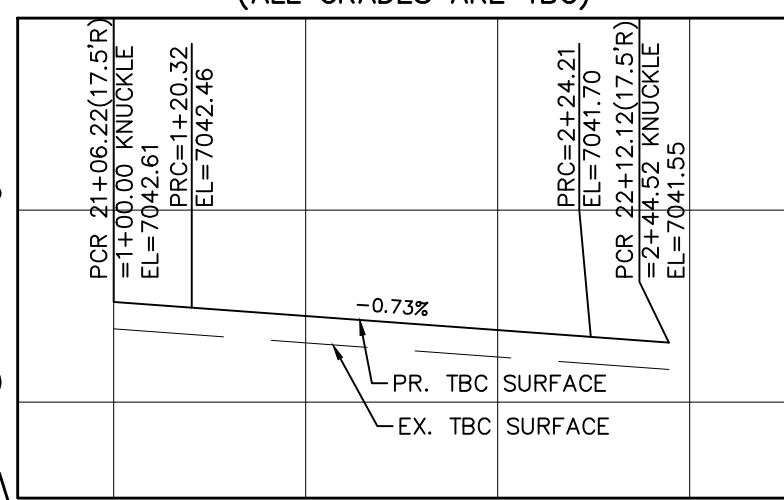


CURVE	LENGTH	RADIUS	DELTA
11	47.51'	34.50'	78°53'42"
12	20.32'	67.50'	17°14'39"
13	103.89'	52.50'	113°23'00"
14	20.32'	67.50'	17°14'39"
15	30.63'	19.50'	90°00'00"
16	30.63'	19.50'	90°00'00"
33	32.52'	37.50'	49°40'47"
34	231.60'	47.50'	279°21'34"
35	32.52'	37.50'	49°40'47"

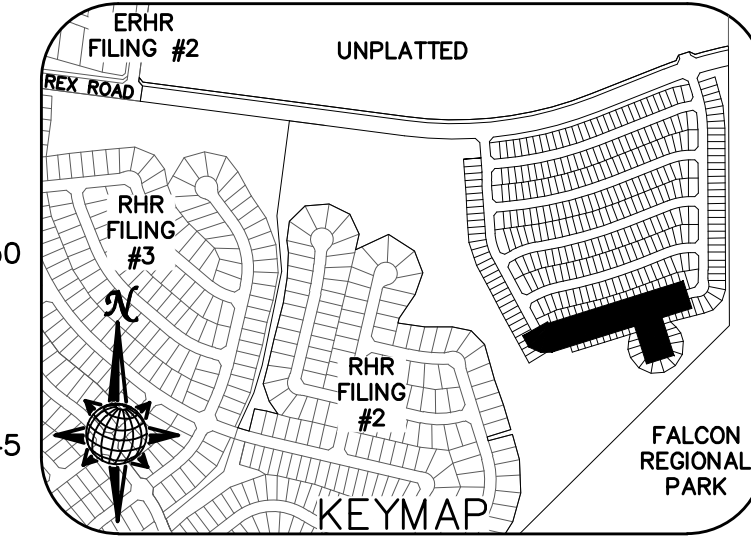
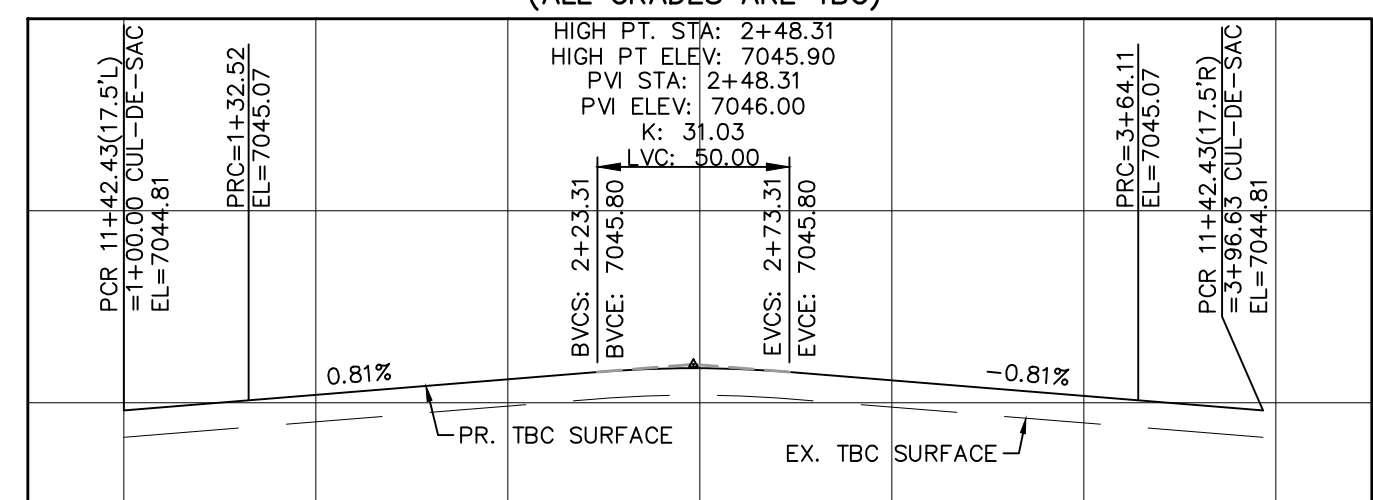
INSTALL CROSS PAN PER COUNTY STD SD-2-26

= 7042.97
 = 7043.05
 = 7043.14

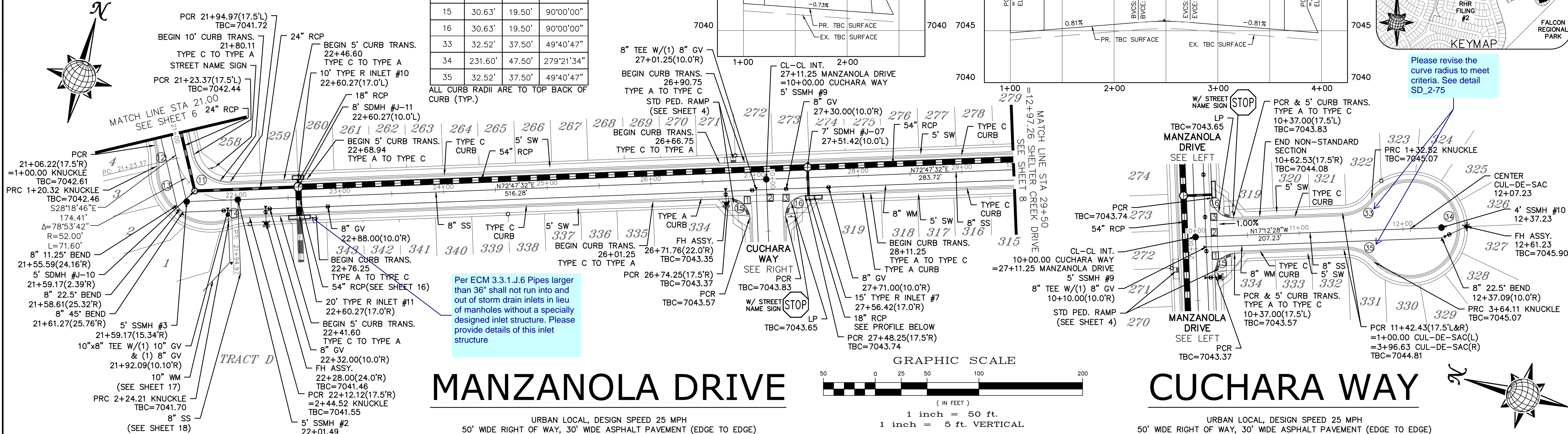
MANZANOLA DRIVE KNUCKLE (ALL GRADES ARE TBC)



CUCHARA WAY CUL-DE-SAC (ALL GRADES ARE TBC)



Please revise the curve radius to meet criteria. See detail SD-2-75

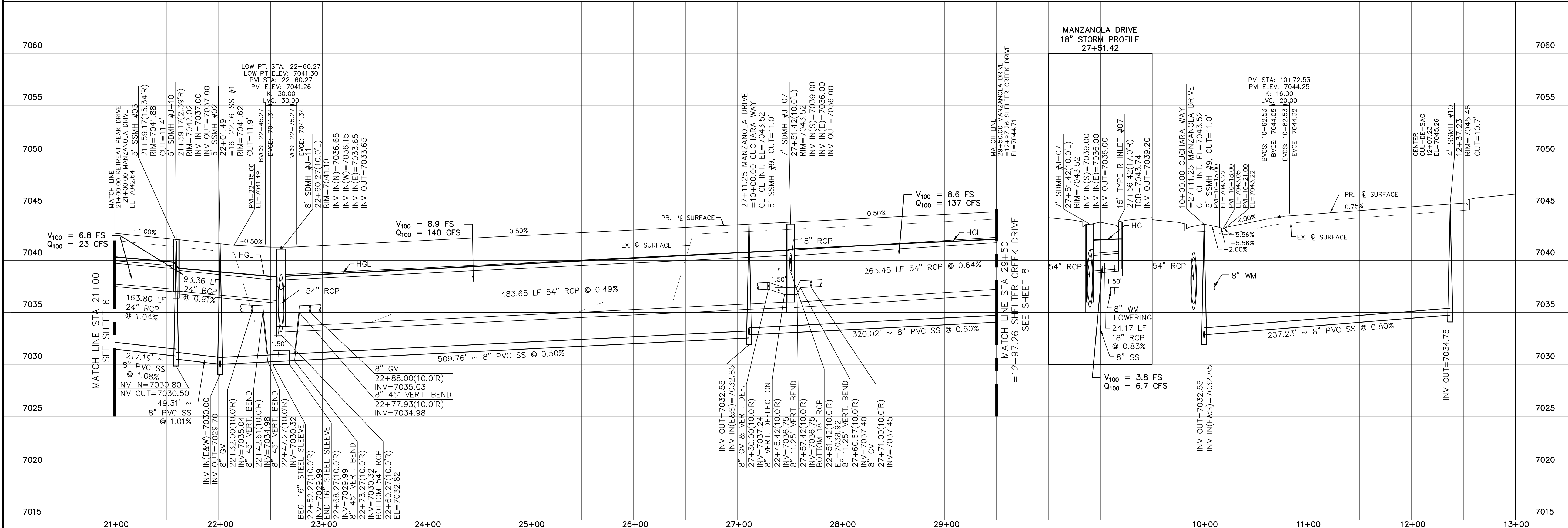


MANZANOLA DRIVE

URBAN LOCAL, DESIGN SPEED 25 MPH
50' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)

CUCHARA WAY

URBAN LOCAL, DESIGN SPEED 25 MPH
50' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



Date	Appr.	Date	Revisions	No.

TECH CONTRACTORS
11910 TOURMALINE DR. #130
FALCON, CO 80831
TELEPHONE: 719.495.7444

THE SANCTUARY FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS MANZANOLA DRIVE AND CUCHARA WAY

Scale AS SHOWN

Drawn by LOG

Checked by TJK

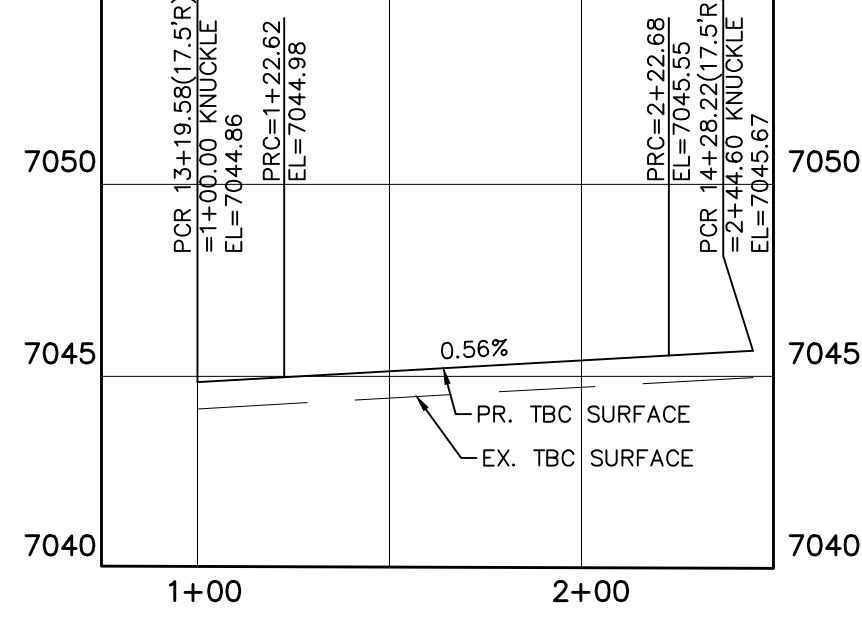
Date MAY 2022

7 of 40

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
17	42.48'	34.50'	70°33'23"
18	22.62'	67.50'	19°11'58"
19	100.06'	52.50'	109°12'00"
20	21.92'	67.50'	18°36'21"
21	30.63'	19.50'	90°00'00"
22	30.63'	19.50'	90°00'00"
23	30.63'	19.50'	90°00'00"
24	30.63'	19.50'	90°00'00"

ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)

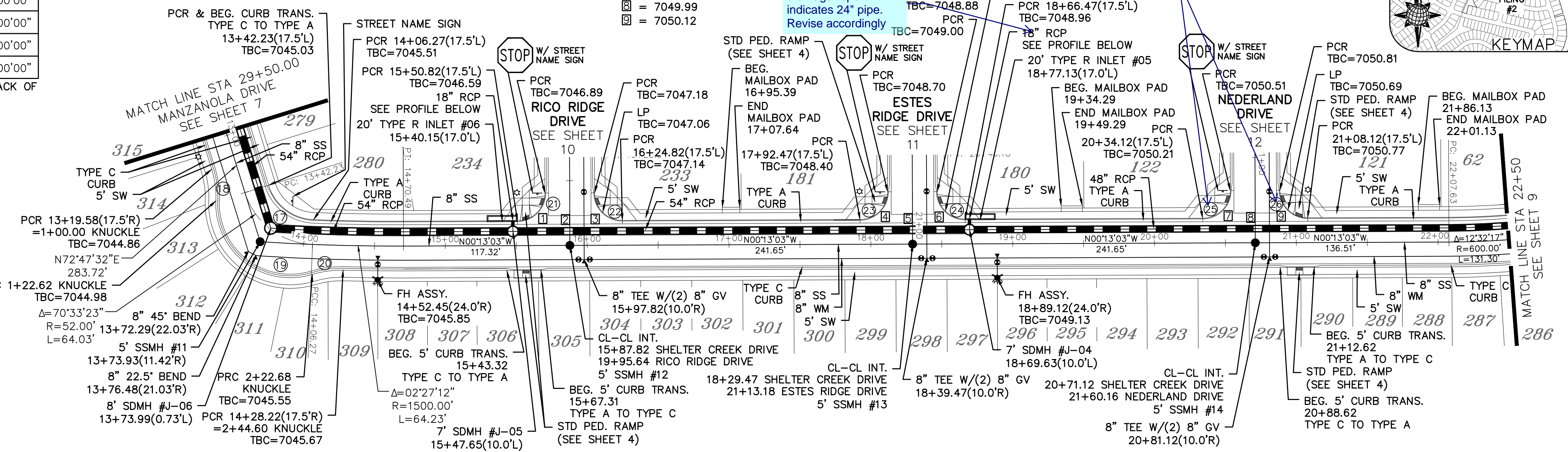
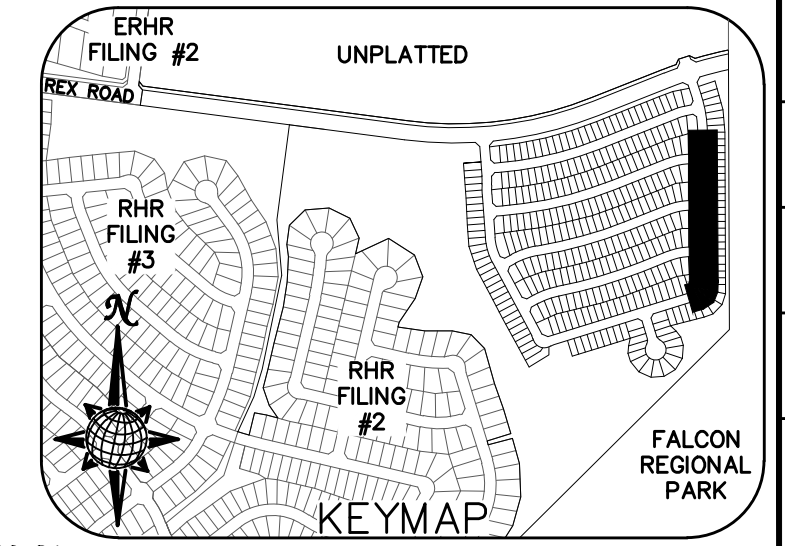
SHELTER CREEK DRIVE KNUCKLE
(ALL GRADES ARE TBC)



- INSTALL CROSS PAN PER COUNTY STD SD-2-26
- 1 = 7046.24
 - 2 = 7046.37
 - 3 = 7046.49
 - 4 = 7048.05
 - 5 = 7048.18
 - 6 = 7048.31
 - 7 = 7049.86
 - 8 = 7049.99
 - 9 = 7050.12

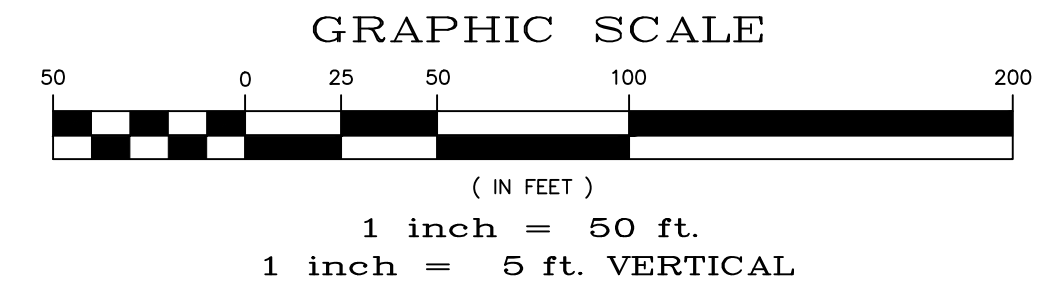
pipe routing table in drainage report indicates 24" pipe. Revise accordingly

please add the curve data for "25" and "26" to the table



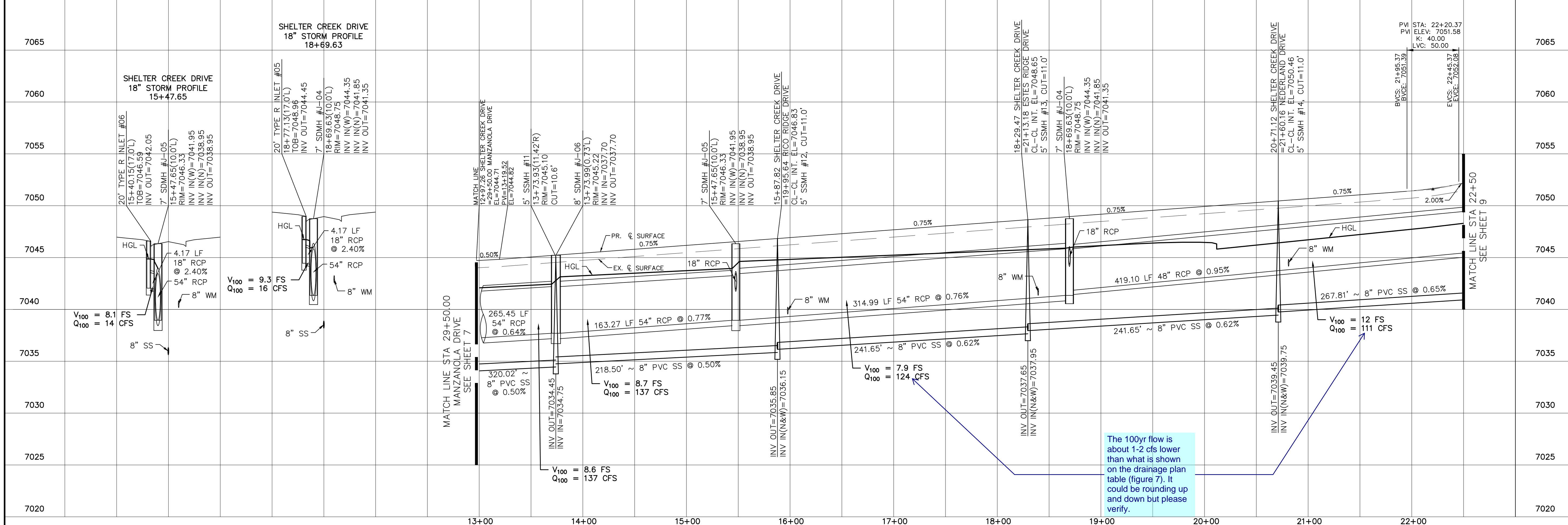
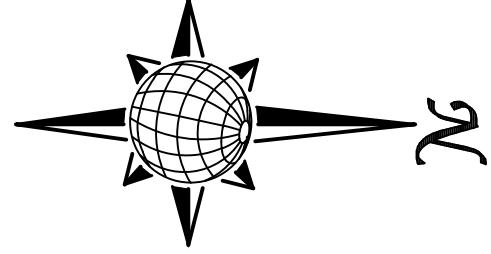
SHELTER CREEK DRIVE

URBAN LOCAL, DESIGN SPEED 25 MPH
50' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



TWO WORKING DAYS BEFORE YOU DIG CALL 811

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The 100yr flow is about 1-2 cfs lower than what is shown on the drainage plan table (figure 7). It could be rounding up and down but please verify.

Date		Appr.	
Date		Init.	
Date		Revisions	
1	No.		
2			
3			
4			

TECH CONTRACTORS
11910 TOURMALINE DR. #130
FALCON, CO 80831
TELEPHONE: 719.495.7444

MERIDIAN RANCH

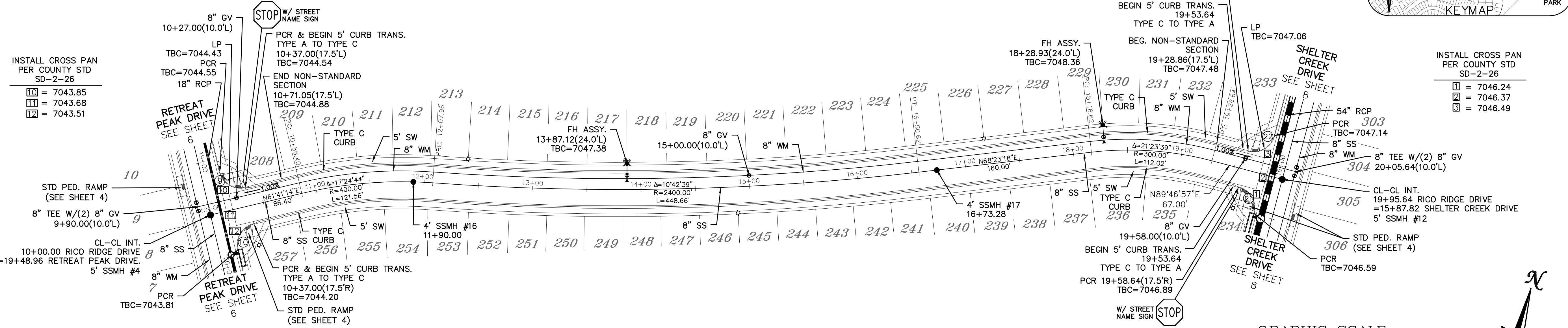
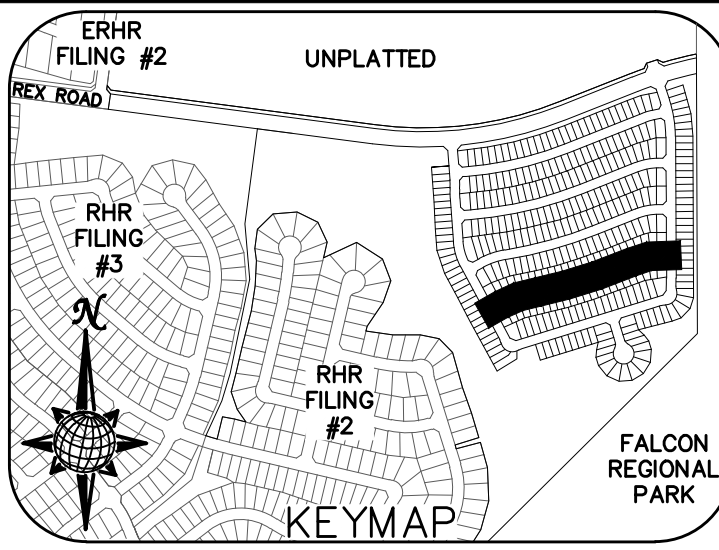
THE SANCTUARY FILING 1
AT MERIDIAN RANCH
STREET AND UTILITY PLANS
SHELTER CREEK DRIVE

Scale AS SHOWN 8 of 40

Drawn by LOG
Checked by TJK
Date MAY 2022

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
9	30.63'	19.50'	90°00'00"
10	30.63'	19.50'	90°00'00"
21	30.63'	19.50'	90°00'00"
22	30.63'	19.50'	90°00'00"

ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)



- INSTALL CROSS PAN PER COUNTY STD SD-2-26
- ☐ = 7043.85
 - ☐ = 7043.68
 - ☐ = 7043.51

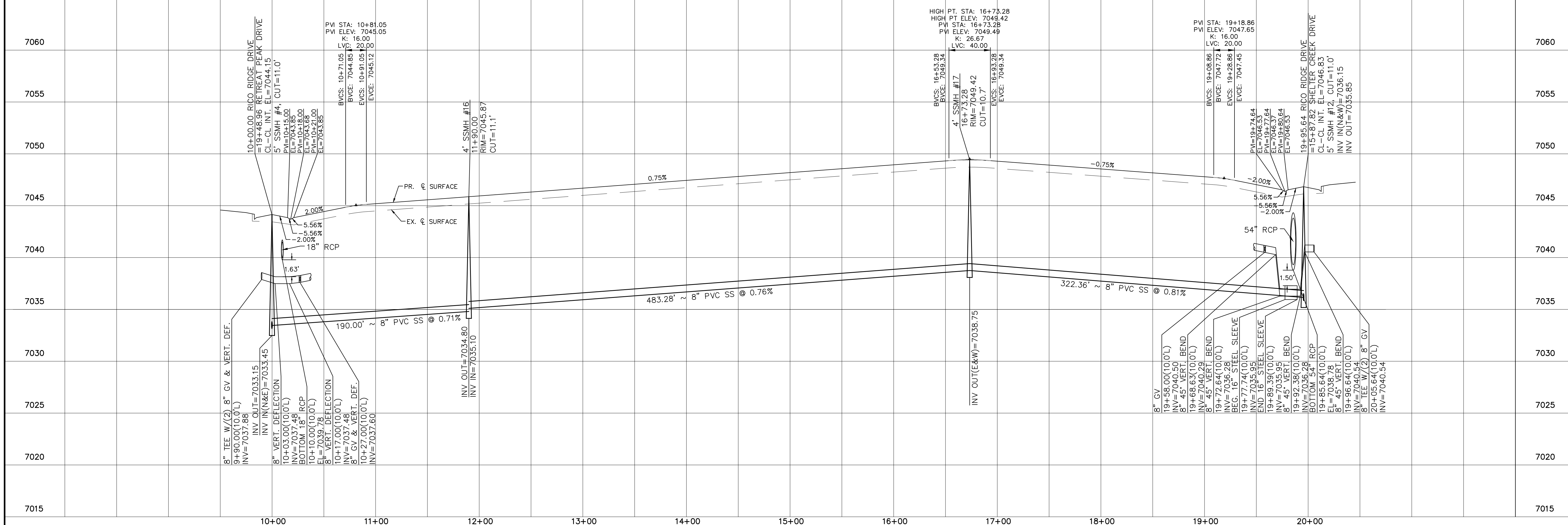
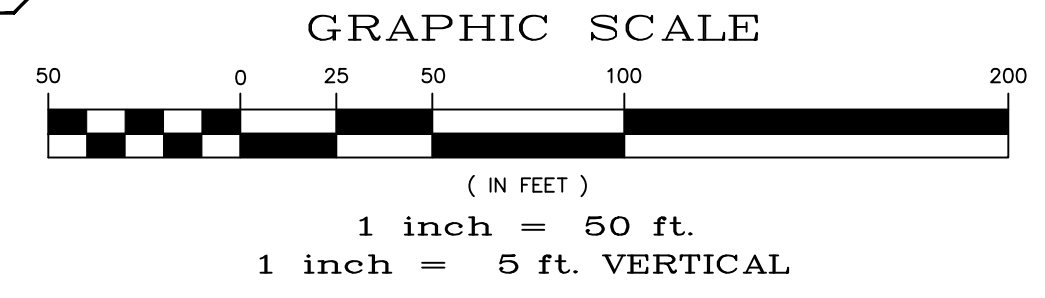
- INSTALL CROSS PAN PER COUNTY STD SD-2-26
- ☐ = 7046.24
 - ☐ = 7046.37
 - ☐ = 7046.49

TWO WORKING DAYS BEFORE YOU DIG CALL 811

OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

RICO RIDGE DRIVE

URBAN LOCAL, DESIGN SPEED 25 MPH
50' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



No.	Revisions	Date	Appr.
1			
2			
3			
4			

TECH CONTRACTORS
11910 TOURMALINE DR. #130
FALCON, CO 80831
TELEPHONE: 719.495.7444

MERIDIAN RANCH

THE SANCTUARY FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS
RICO RIDGE DRIVE

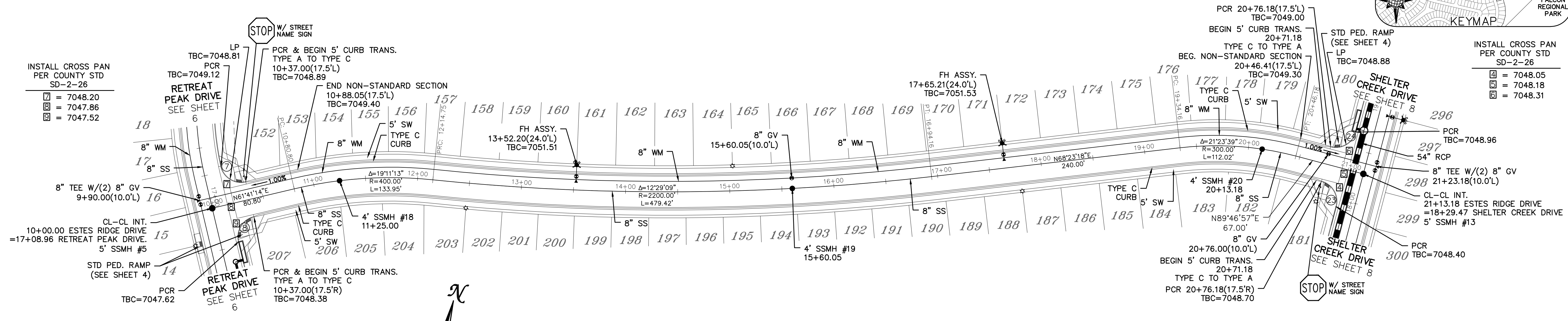
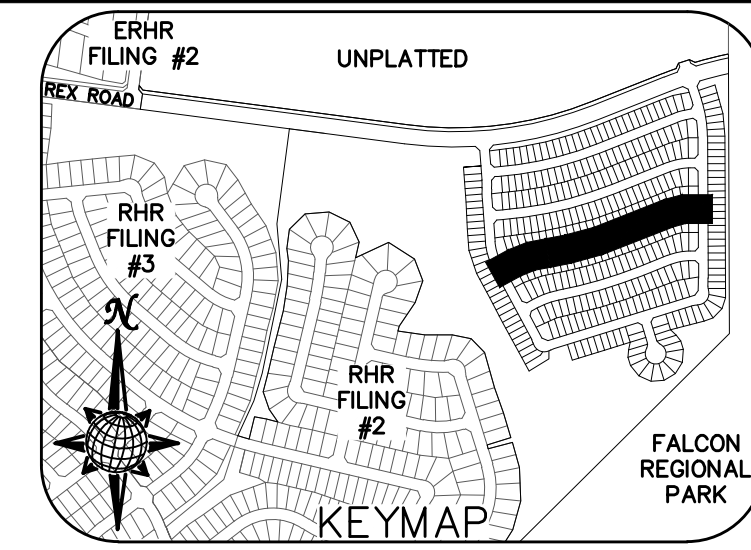
Scale AS SHOWN 10 of 40

Drawn by LOG
Checked by TAK
Date MAY 2022

PCD PROJECT NO. SF--XX--XXX

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
7	31.00'	19.50'	91°05'22"
8	30.63'	19.50'	90°00'00"
23	30.63'	19.50'	90°00'00"
24	30.63'	19.50'	90°00'00"

ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)



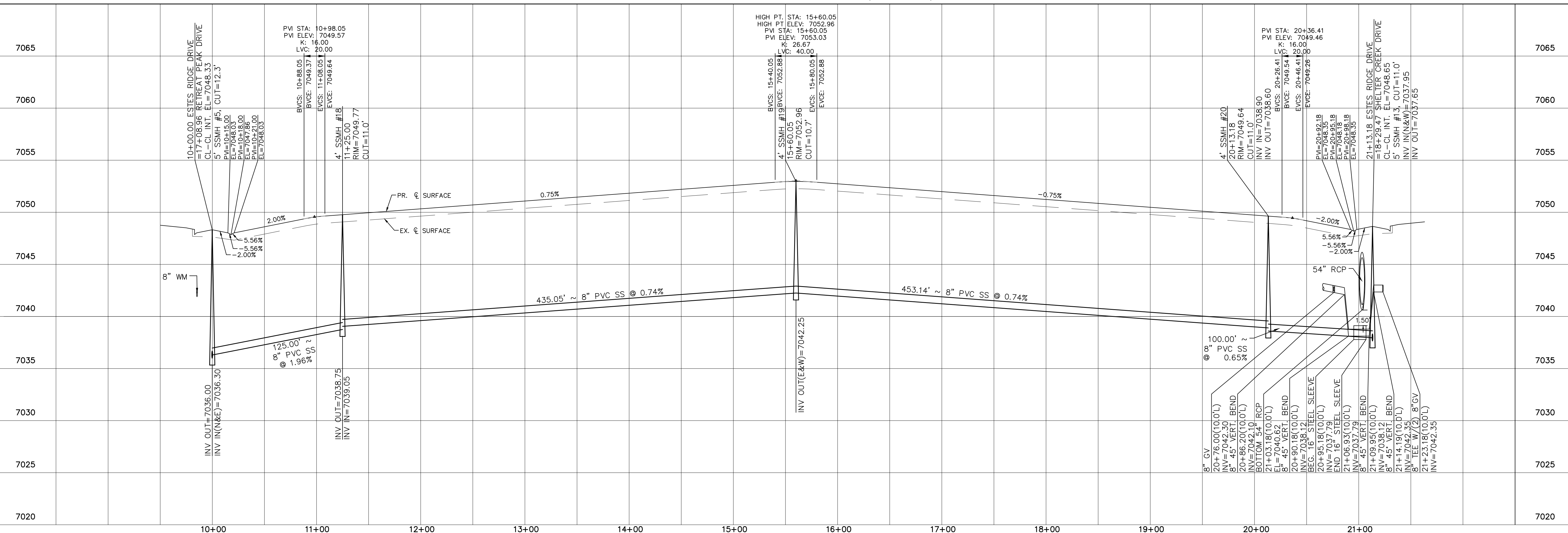
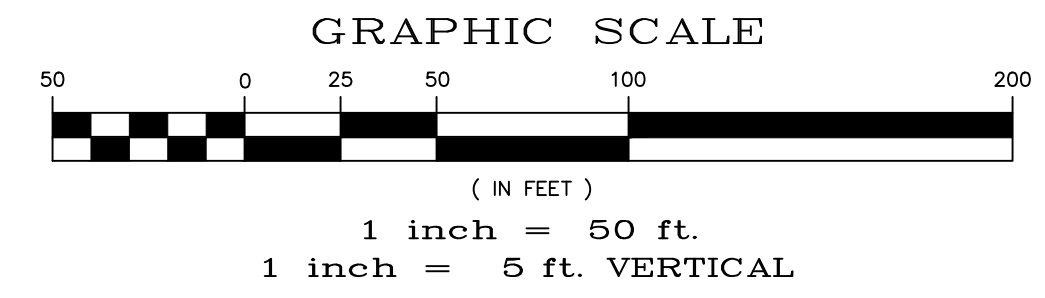
BEFORE YOU DIG CALL 811

TWO WORKING DAYS
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

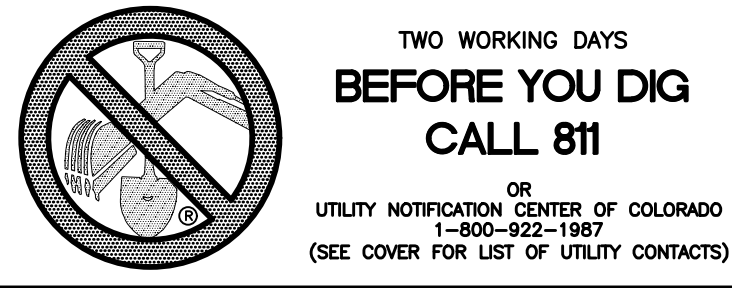


ESTES RIDGE DRIVE

URBAN LOCAL, DESIGN SPEED 25 MPH
50' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)

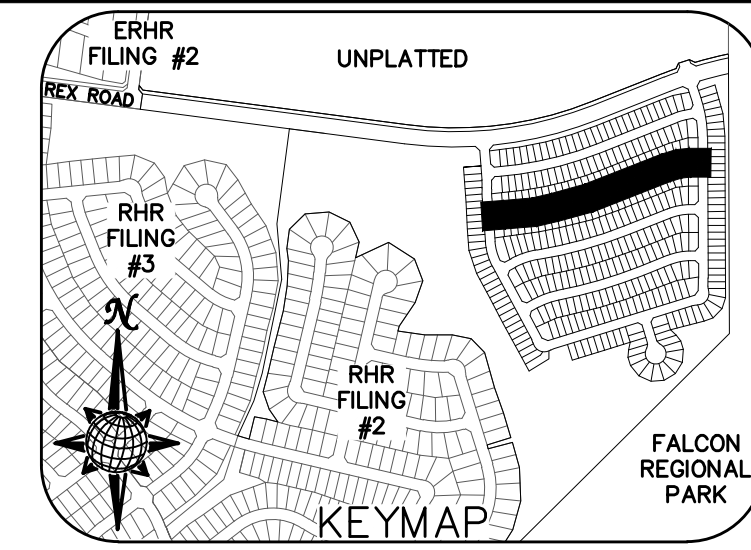


Date	Appr.	Date	Invt.
No.	Revisions		
1		TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444	
2			
3			
4		THE SANCTUARY FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS ESTES RIDGE DRIVE	
Scale	AS SHOWN	11 of 40	Date MAY 2022
Drawn by	LOG	Checked by	TAK



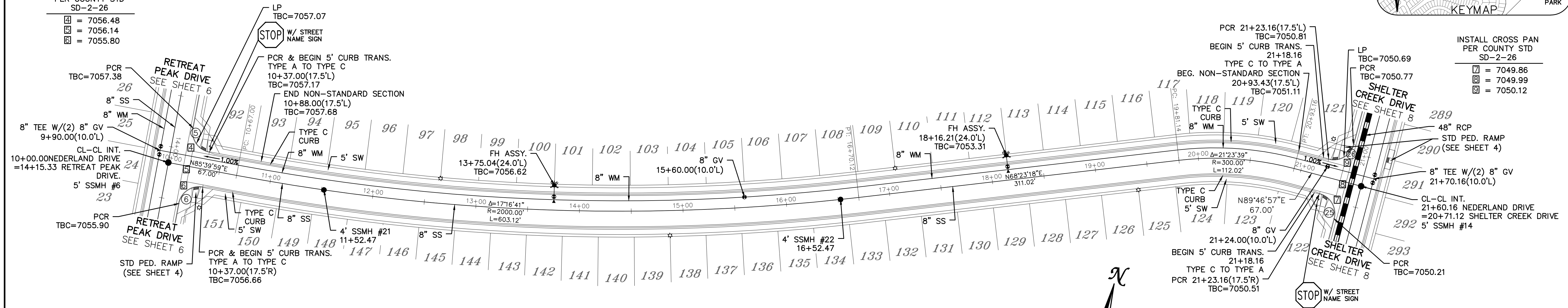
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
5	30.63'	19.50'	90°00'00"
6	30.63'	19.50'	90°00'00"
25	30.63'	19.50'	90°00'00"
26	30.63'	19.50'	90°00'00"

ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)



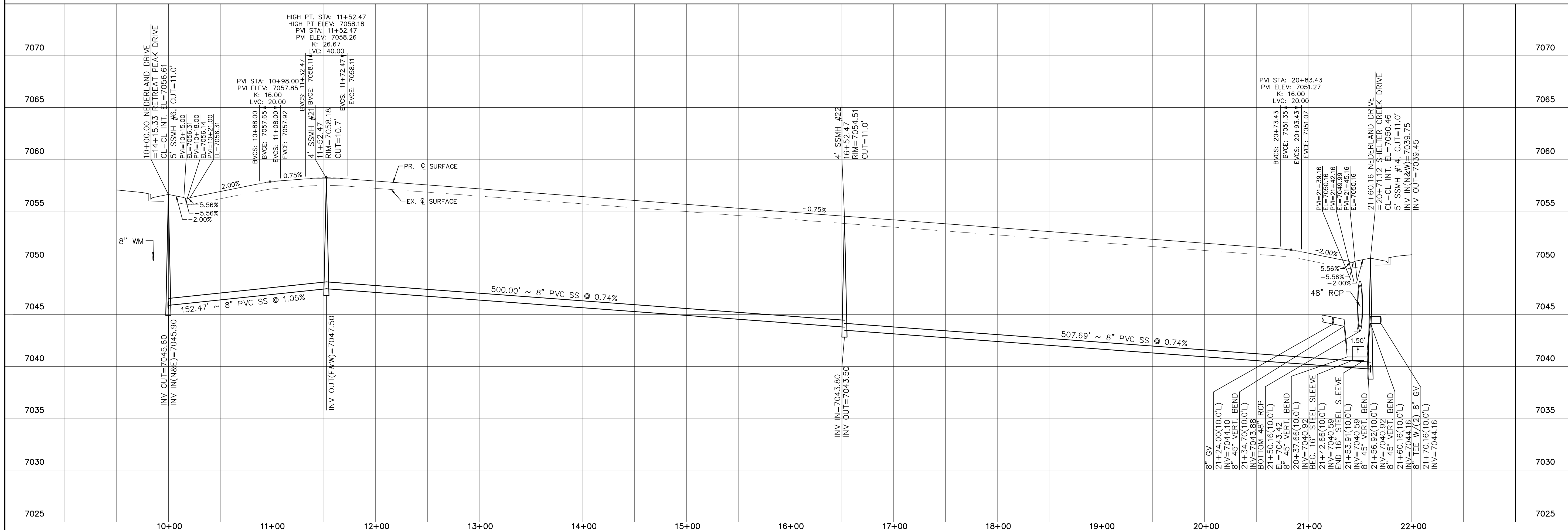
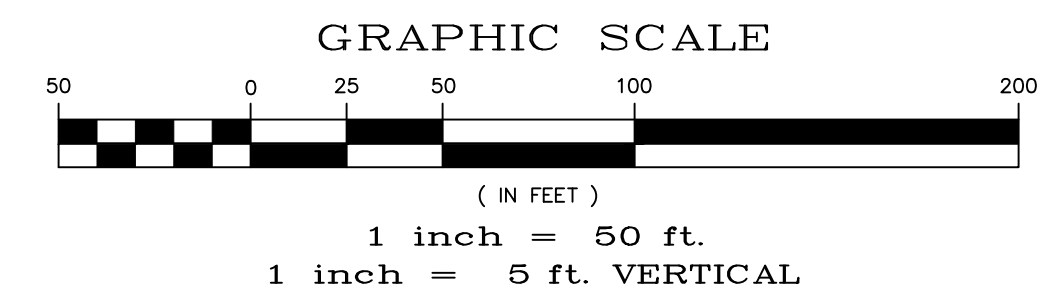
INSTALL CROSS PAN PER COUNTY STD SD-2-26
 ④ = 7056.48
 ⑤ = 7056.14
 ⑥ = 7055.80

INSTALL CROSS PAN PER COUNTY STD SD-2-26
 ⑦ = 7049.86
 ⑧ = 7049.99
 ⑨ = 7050.12

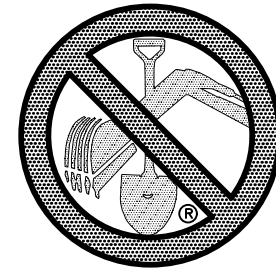


NEDERLAND DRIVE

URBAN LOCAL, DESIGN SPEED 25 MPH
 50' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



Date		Appr.	
Date		Invt.	
Date		Rev.	
No.		Revisions	
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444			
MERIDIAN RANCH			
THE SANCTUARY FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS NEDERLAND DRIVE			
Scale	AS SHOWN	12 of 40	Date
Drawn by	LOG	Checked by	TAK
		MAY 2022	

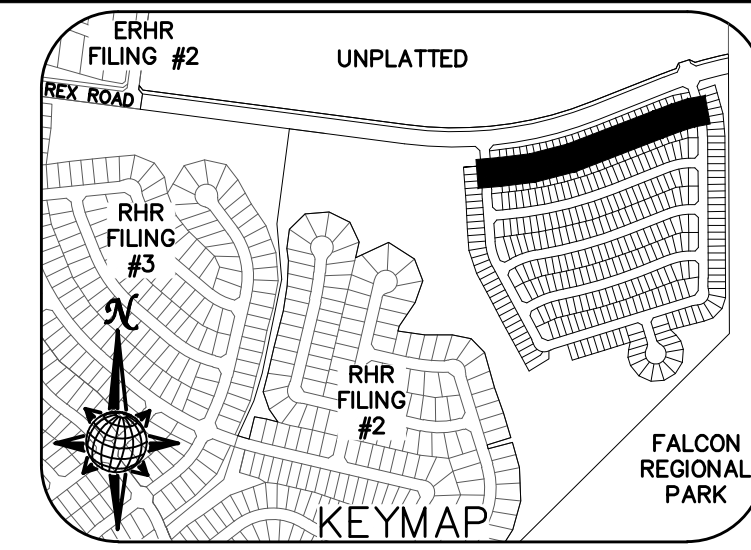


TWO WORKING DAYS
**BEFORE YOU DIG
CALL 811**

OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
3	30.63'	19.50'	90°00'00"
4	30.63'	19.50'	90°00'00"
27	31.91'	19.50'	93°46'05"
28	31.91'	19.50'	93°46'05"

ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)

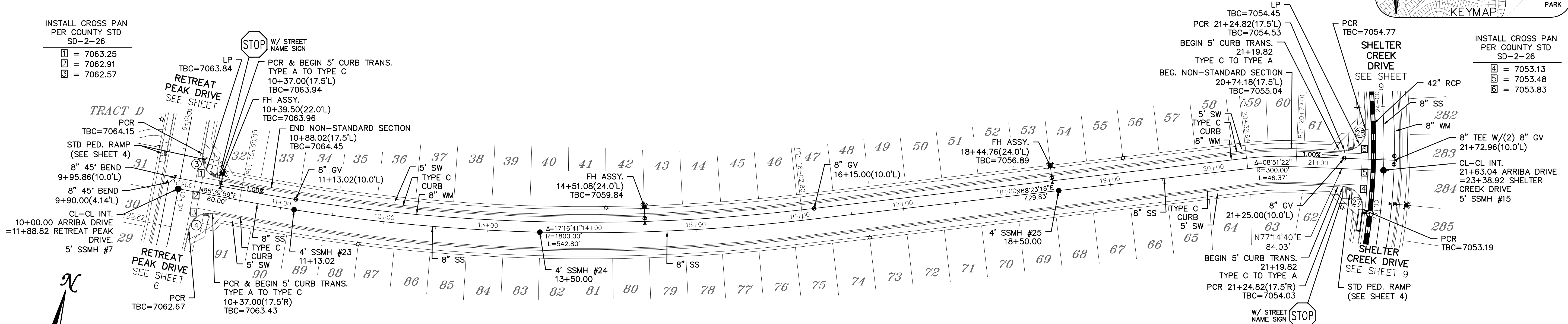


INSTALL CROSS PAN PER COUNTY STD SD-2-26

- ☐ = 7063.25
- ☑ = 7062.91
- ☒ = 7062.57

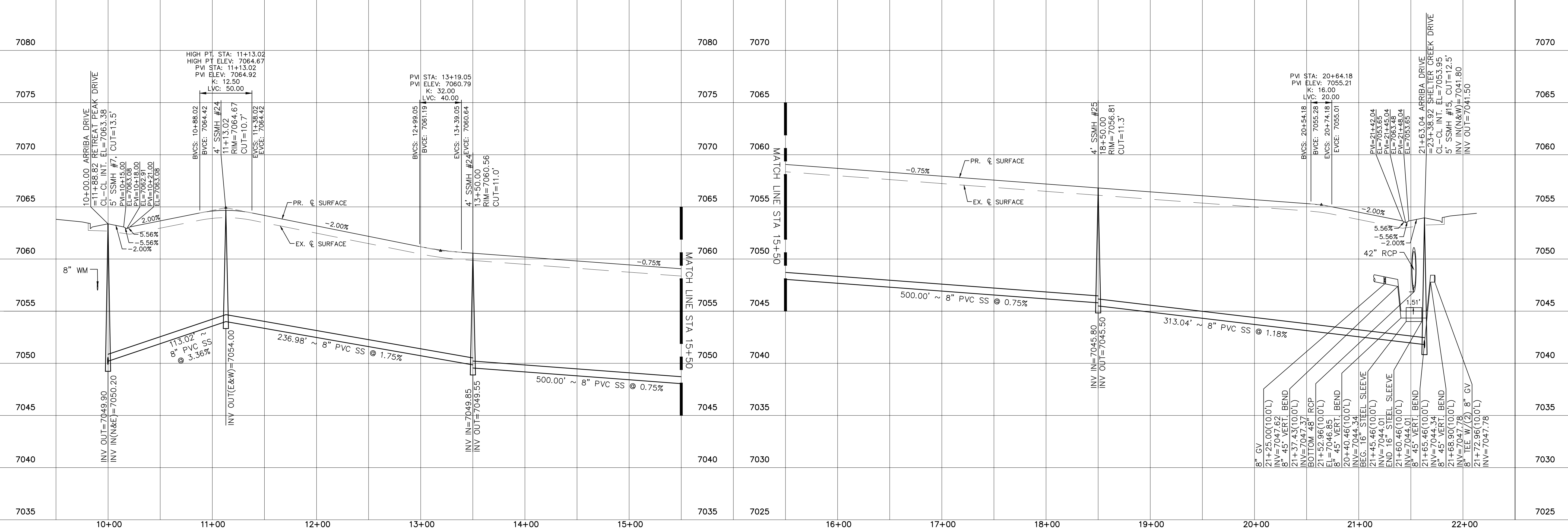
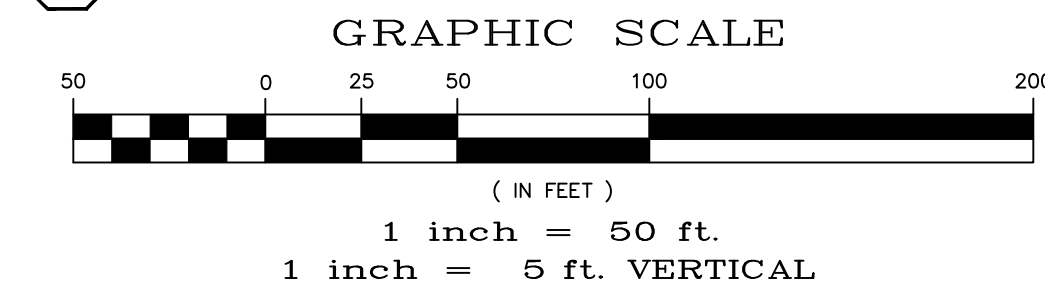
INSTALL CROSS PAN PER COUNTY STD SD-2-26

- ☐ = 7053.13
- ☑ = 7053.48
- ☒ = 7053.83



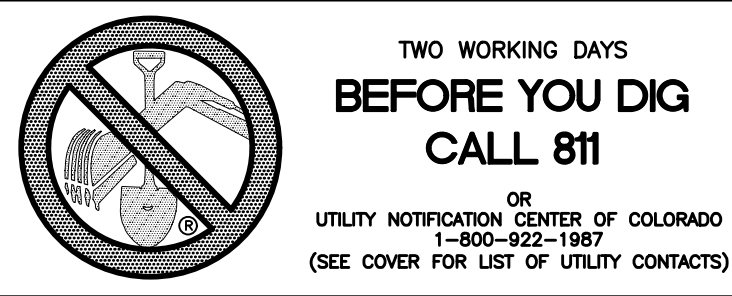
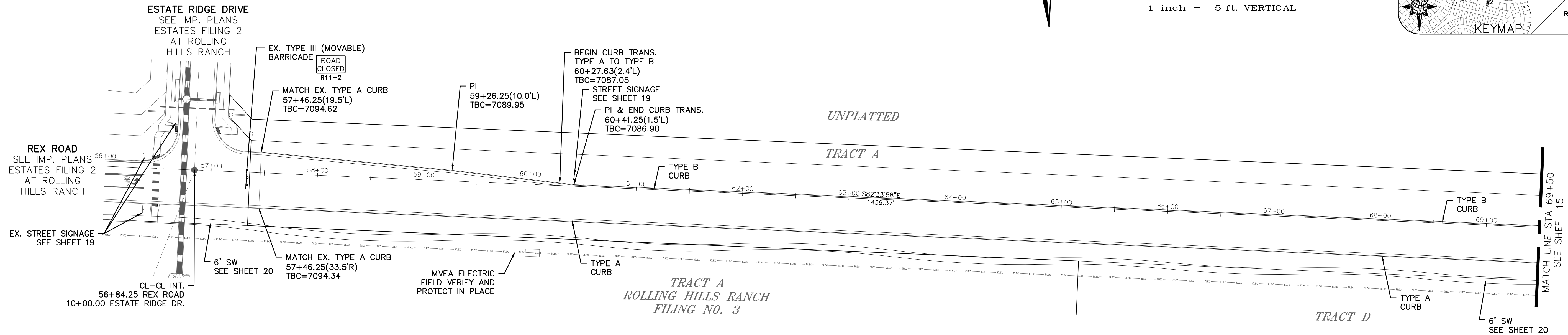
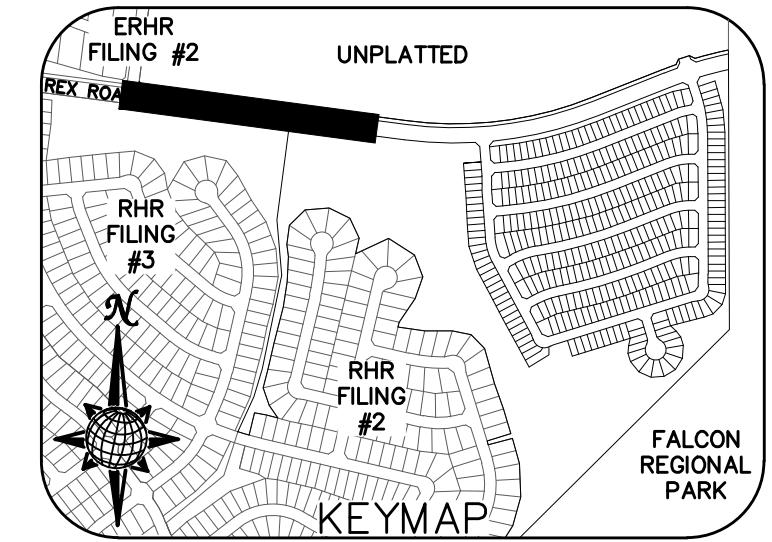
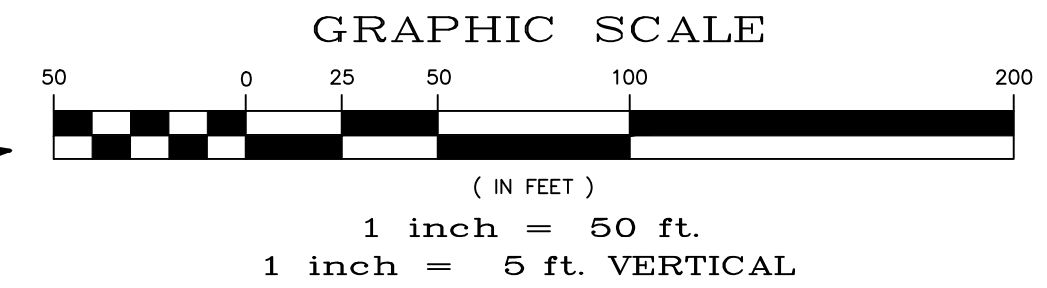
ARRIBA DRIVE

URBAN LOCAL, DESIGN SPEED 25 MPH
50' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



Date	Appr.	Date	Invt.	Date
No.	Revisions			
1	TECH CONTRACTORS			
2	11910 TOURMALINE DR. #130			
3	FALCON, CO 80831			
4	TELEPHONE: 719.495.7444			
MERIDIAN RANCH				
THE SANCTUARY FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS ARRIBA DRIVE				
Scale	AS SHOWN	Drawn by	LOG	Checked by
			TAK	DATE
	13 of 40			MAY 2022

NOTE:
1) FOR ALL EXISTING UTILITIES ON THIS SHEET SEE CONSTRUCTION PLANS FOR ESTATES AT ROLLING HILLS RANCH FILING 2



REX ROAD

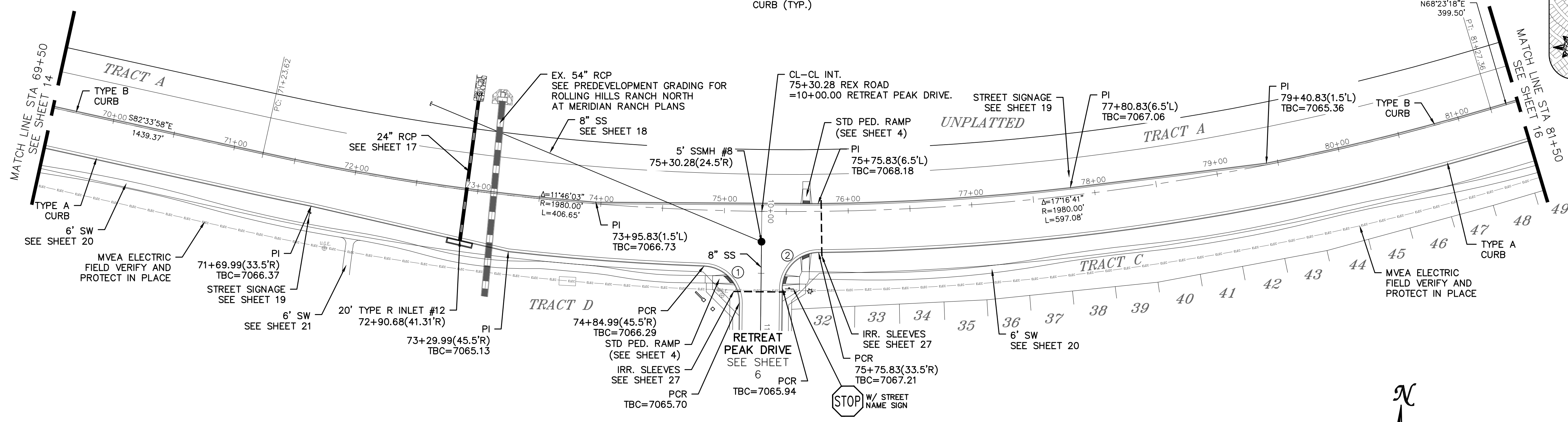
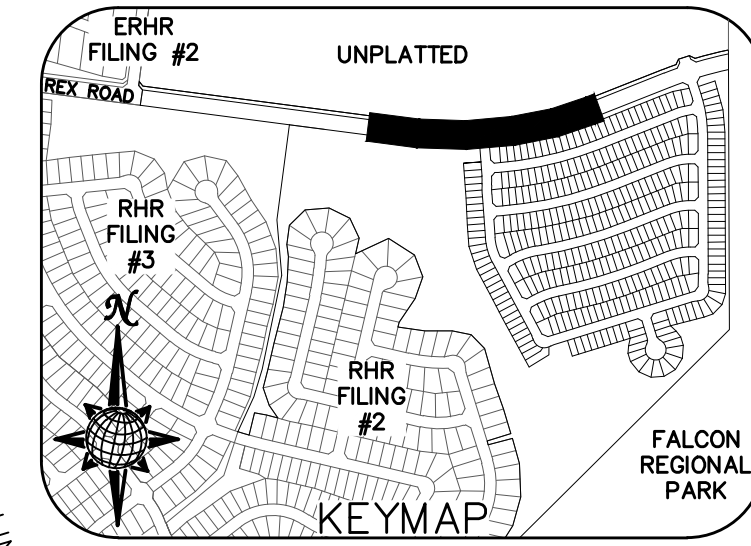
TEMP. MINOR ARTERIAL, DESIGN SPEED 40 MPH
80' WIDE RIGHT OF WAY, 31' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



1	2	3	4	No.	Revisions	Date	Appr.	
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444								THE SANCTUARY FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS REX ROAD
Scale	AS SHOWN	Drawn by	LOG	Checked by	TAK	Date	MAY 2022	
	14 of 40							

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
1	45.66'	29.50'	88°41'22"
2	45.66'	29.50'	88°40'54"

ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)

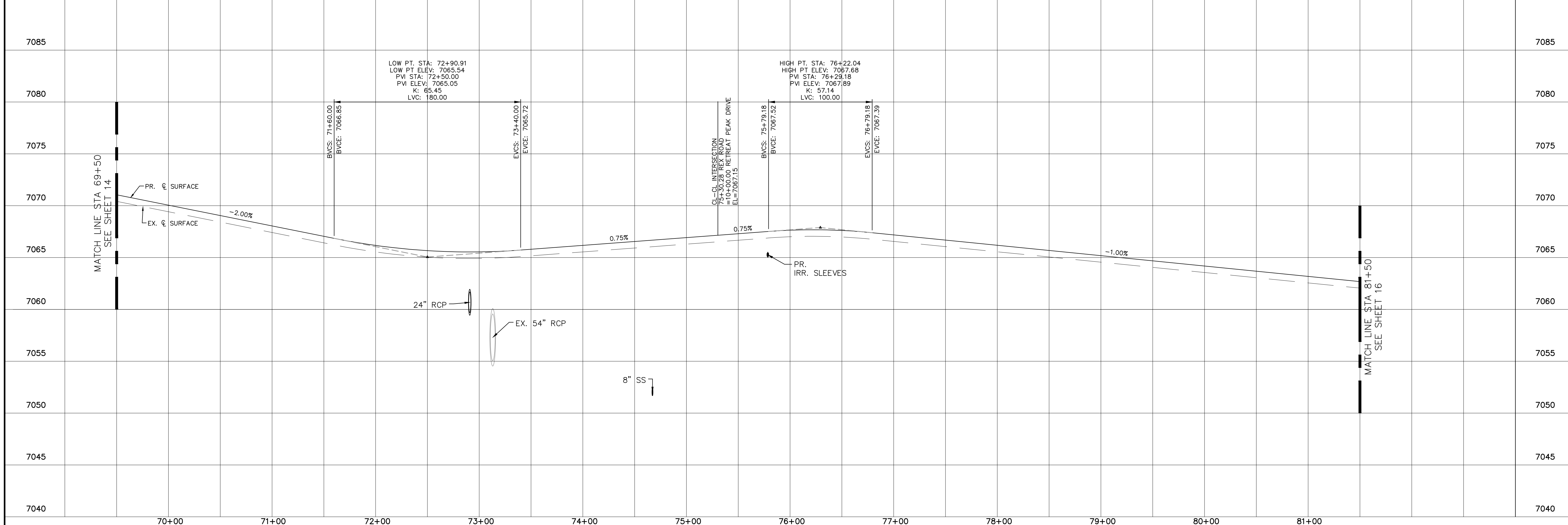
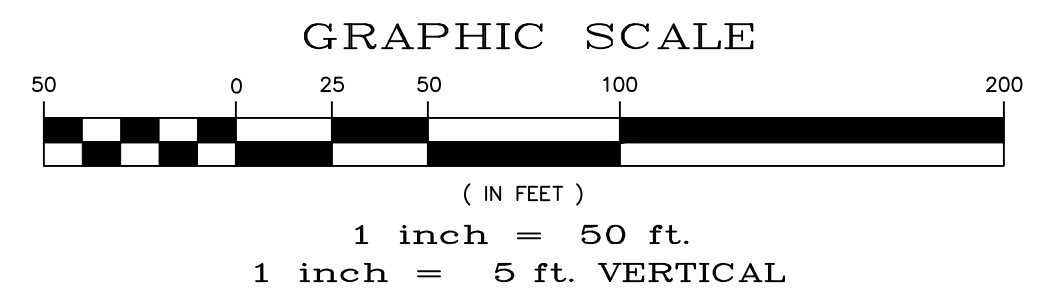
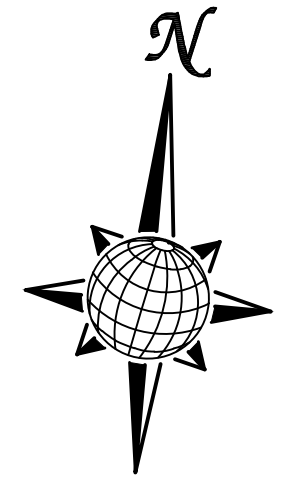


**TWO WORKING DAYS
BEFORE YOU DIG
CALL 811**

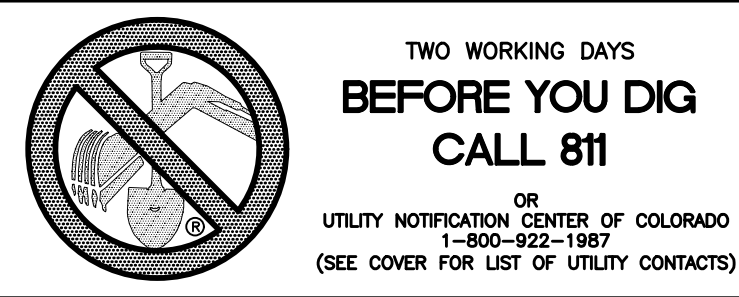
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

REX ROAD

MINOR ARTERIAL, DESIGN SPEED 40 MPH
80' WIDE RIGHT OF WAY, 31' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)

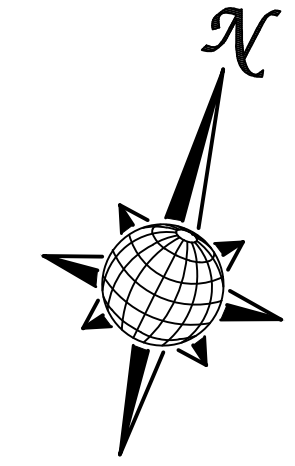
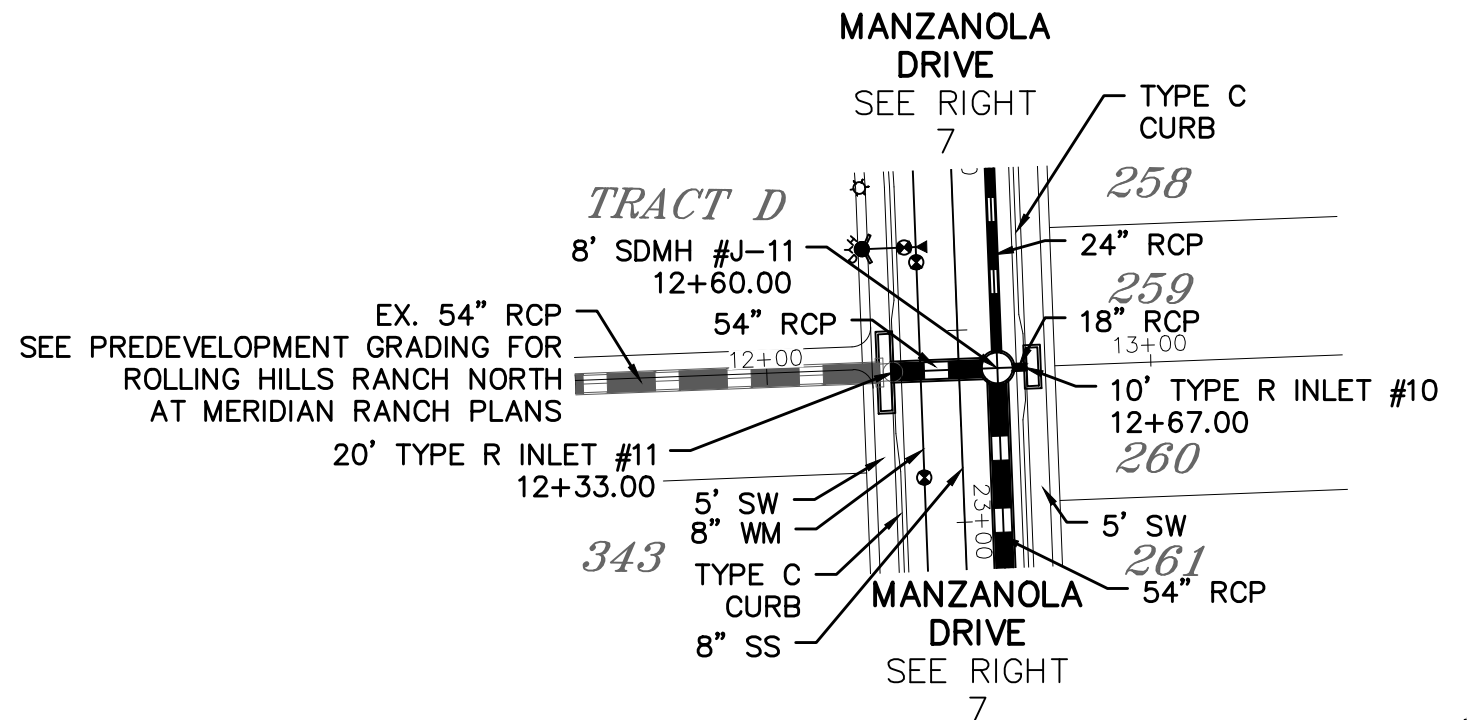
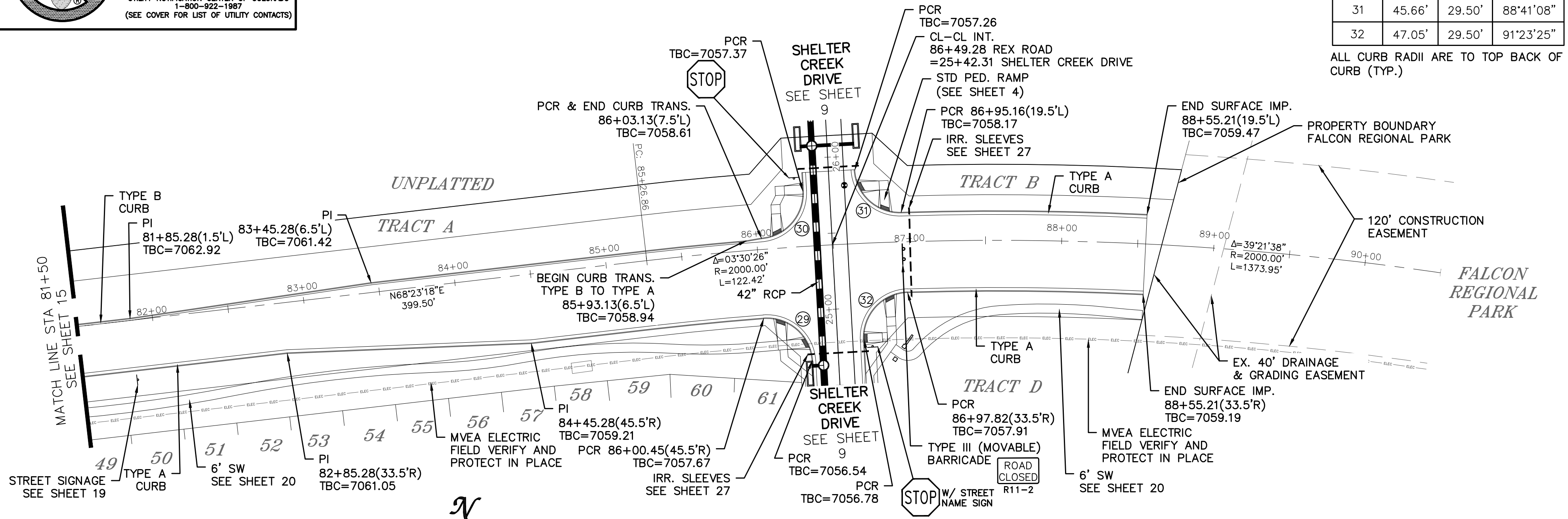
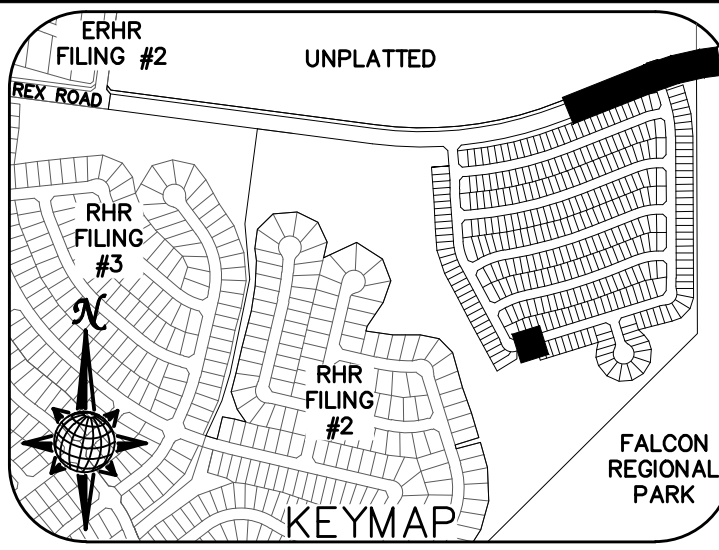


Date	Appr.	Date	Revisions
			No.
TECH CONTRACTORS 11910 TOURMALINE DR, #130 FALCON, CO 80831 TELEPHONE: 719.495.7444			
MERIDIAN RANCH			
THE SANCTUARY FLNCH AT MERIDIAN RANCH STREET AND UTILITY PLANS REX ROAD			
Drawn by	LOG	Checked by	TAK
Scale	AS SHOWN	Date	MAY 2022
	15	of	40



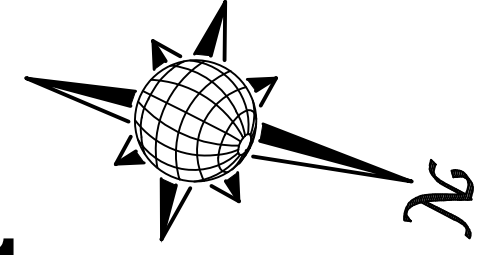
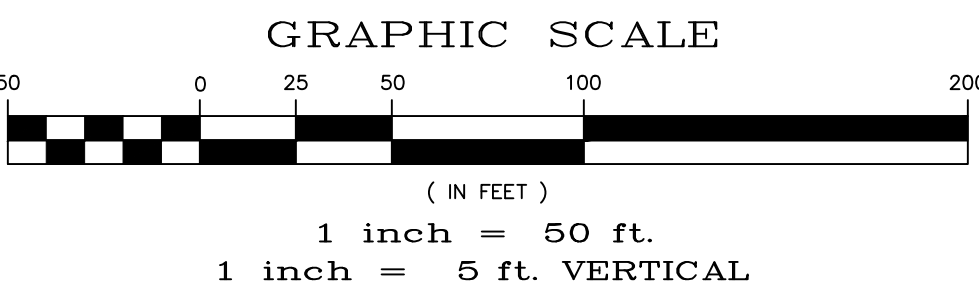
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
29	47.06'	29.50'	91°23'57"
30	45.66'	29.50'	88°40'40"
31	45.66'	29.50'	88°41'08"
32	47.05'	29.50'	91°23'25"

ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)

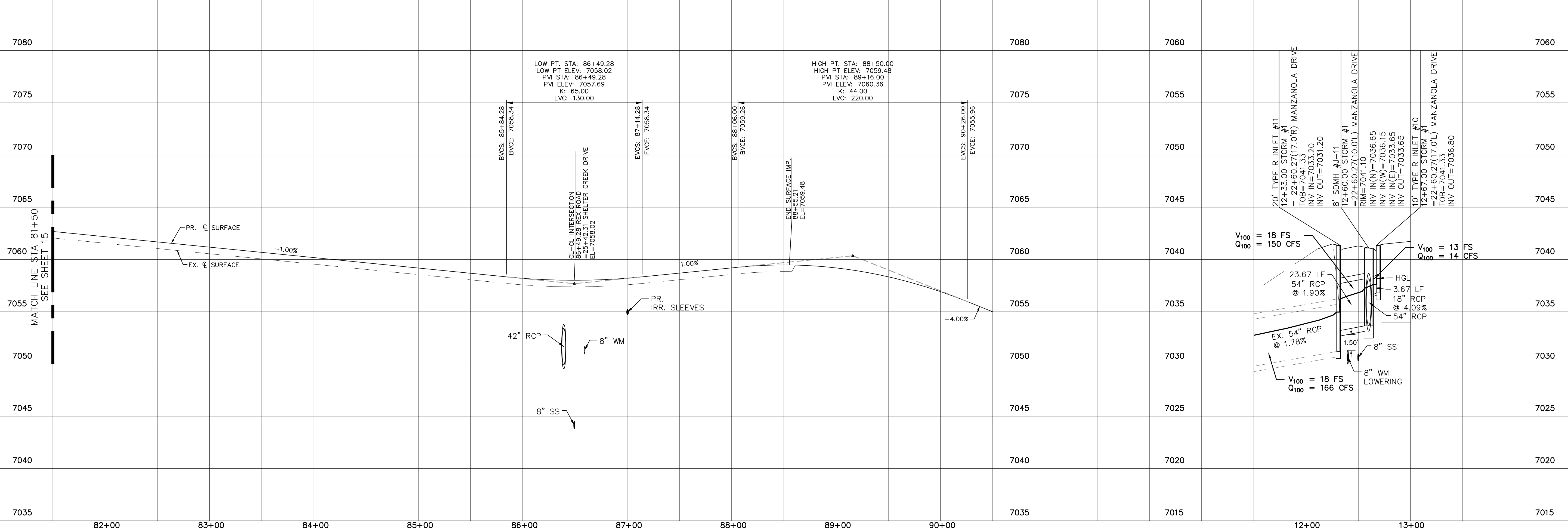


REX ROAD

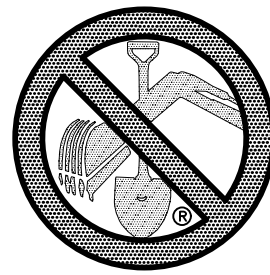
TEMP. MINOR ARTERIAL, DESIGN SPEED 40 MPH
80' WIDE RIGHT OF WAY, 31' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



STORM #1



Date		Date		Date	
Appr.		Invt.		Date	
Revisions		No.		No.	
1		2		3	
4		5		6	
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444					
MERIDIAN RANCH					
THE SANCTUARY FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS REX ROAD AND STORM #1					
Drawn by		Checked by		Date	
LOG		TAK		MAY 2022	
Scale		AS SHOWN		16 of 40	



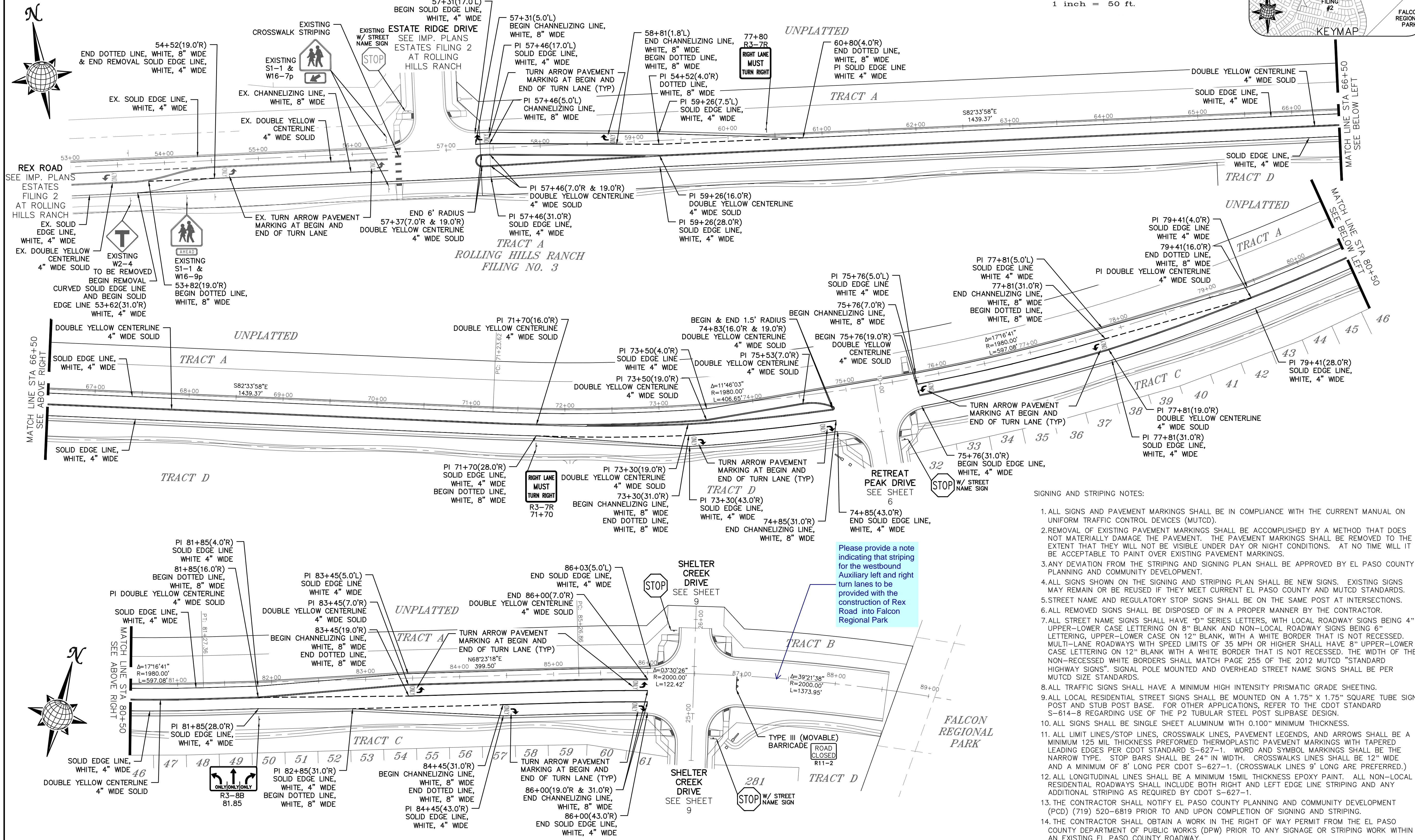
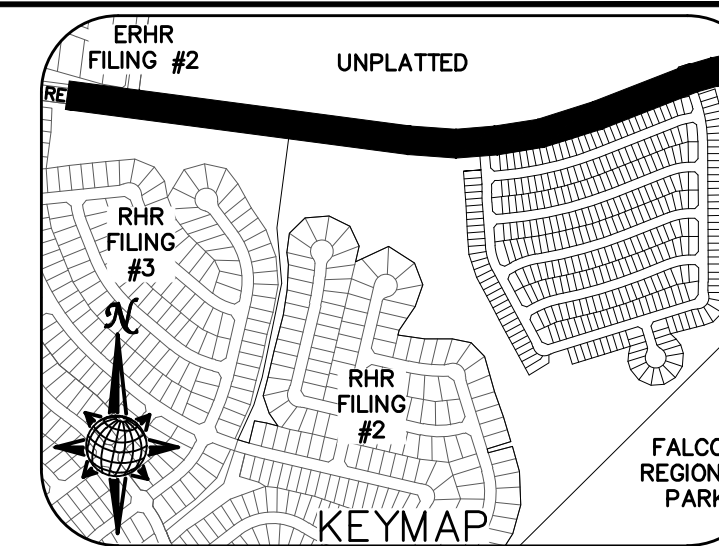
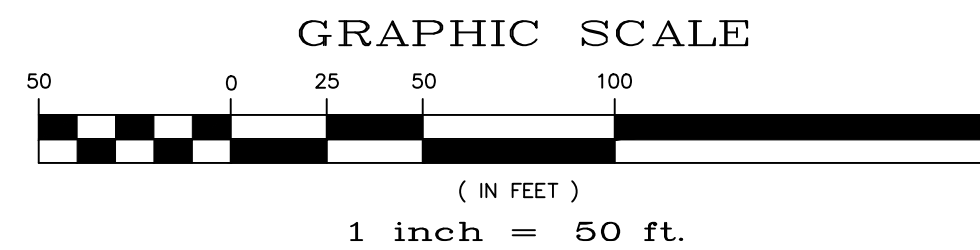
TWO WORKING DAYS
**BEFORE YOU DIG
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OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

NOTE:
DOTTED LINES TO BE
2' LONG WITH 4' SPACING
PER MUTCD STANDARD

SIGNAGE AND STRIPING

TEMP. MINOR ARTERIAL
80' WIDE RIGHT OF WAY, 31' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)

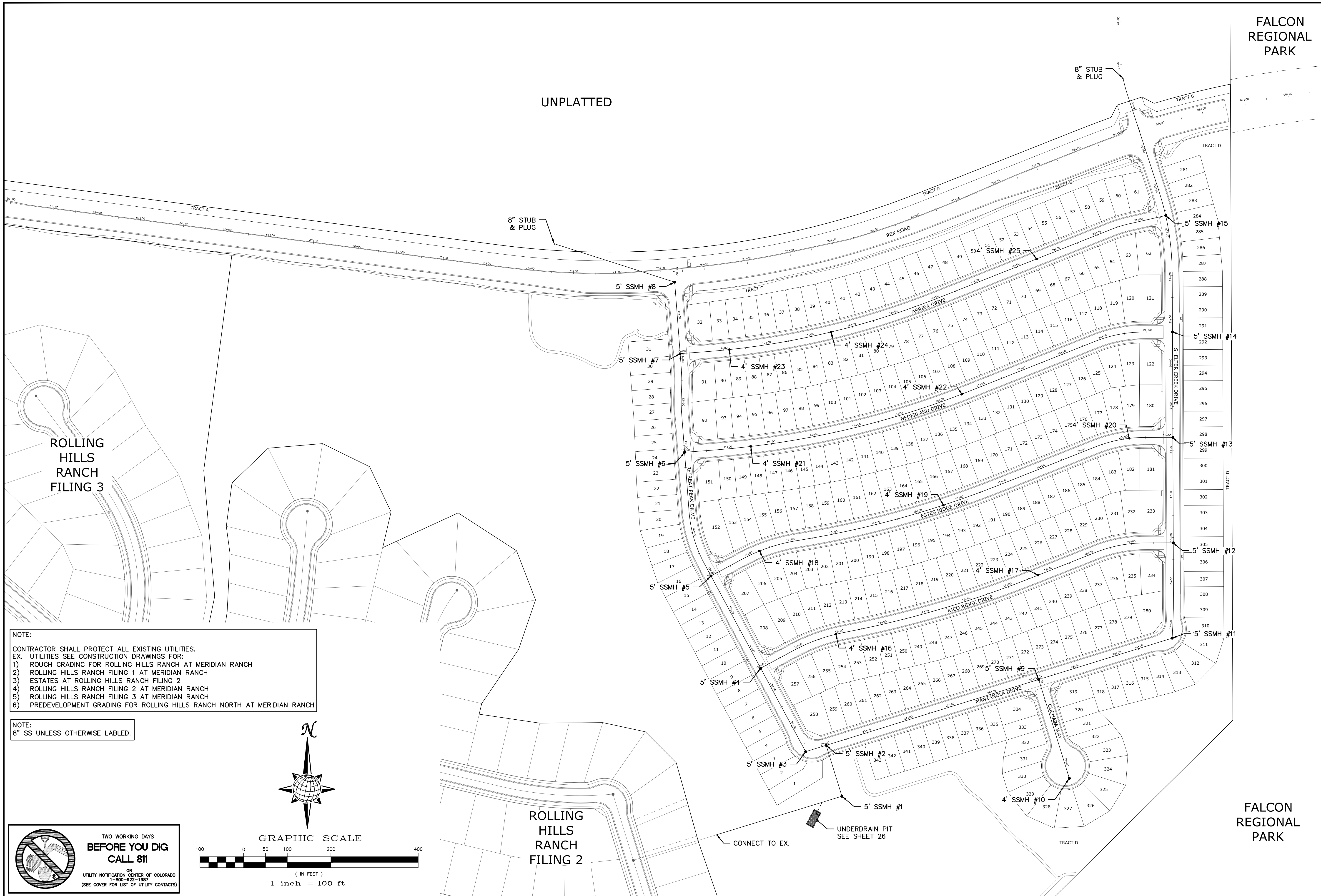


SIGNING AND STRIPING NOTES:

1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT.
4. ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN SHALL BE NEW SIGNS. EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY AND MUTCD STANDARDS.
5. STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
6. ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
7. ALL STREET NAME SIGNS SHALL HAVE "D" SERIES LETTERS, WITH LOCAL ROADWAY SIGNS BEING 4" UPPER-LOWER CASE LETTERING ON 8" BLANK AND NON-LOCAL ROADWAY SIGNS BEING 6" LETTERING, UPPER-LOWER CASE ON 12" BLANK, WITH A WHITE BORDER THAT IS NOT RECESSED. MULTI-LANE ROADWAYS WITH SPEED LIMITS OF 35 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING ON 12" BLANK WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE 2012 MUTCD "STANDARD HIGHWAY SIGNS". SIGNAL POLE MOUNTED AND OVERHEAD STREET NAME SIGNS SHALL BE PER MUTCD SIZE STANDARDS.
8. ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
9. ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75" X 1.75" SQUARE TUBE SIGN POST AND STUB POST BASE. FOR OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S-614-8 REGARDING USE OF THE P2 TUBULAR STEEL POST SLIPBASE DESIGN.
10. ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
11. ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 125 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALK LINES SHALL BE 12" WIDE AND A MINIMUM OF 8' LONG PER CDOT S-627-1. (CROSSWALK LINES 9' LONG ARE PREFERRED.)
12. ALL LONGITUDINAL LINES SHALL BE A MINIMUM 15MIL THICKNESS EPOXY PAINT. ALL NON-LOCAL RESIDENTIAL ROADWAYS SHALL INCLUDE BOTH RIGHT AND LEFT EDGE LINE STRIPING AND ANY ADDITIONAL STRIPING AS REQUIRED BY CDOT S-627-1.
13. THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (PCD) (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
14. THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS (DPW) PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

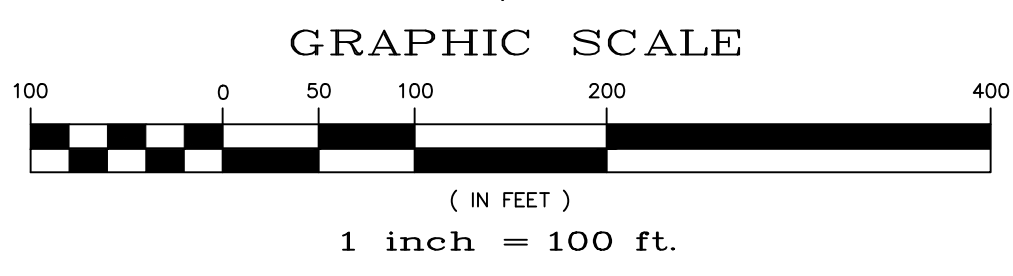
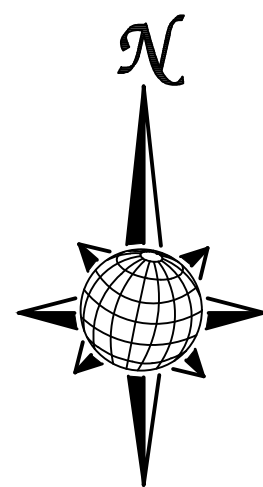
Please provide a note indicating that striping for the westbound Auxiliary left and right turn lanes to be provided with the construction of Rex Road into Falcon Regional Park

Drawn by	LOG	Checked by	TAK	Date	MAY 2022
Scale	AS SHOWN	19	of	40	
THE SANCTUARY FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS SIGNAGE AND STRIPING					
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444					
MERIDIAN RANCH					
No.	1	2	3	4	
Revisions					
Date					
Appr.					



NOTE:
 CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
 EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
 1) ROUGH GRADING FOR ROLLING HILLS RANCH AT MERIDIAN RANCH
 2) ROLLING HILLS RANCH FILING 1 AT MERIDIAN RANCH
 3) ESTATES AT ROLLING HILLS RANCH FILING 2
 4) ROLLING HILLS RANCH FILING 2 AT MERIDIAN RANCH
 5) ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH
 6) PREDEVELOPMENT GRADING FOR ROLLING HILLS RANCH NORTH AT MERIDIAN RANCH

NOTE:
 8" SS UNLESS OTHERWISE LABELED.



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 1-800-822-1987
 (SEE COVER FOR LIST OF UTILITY CONTACTS)

FALCON REGIONAL PARK

FALCON REGIONAL PARK

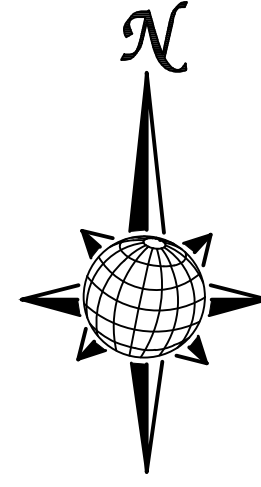
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444		Revisions		Date	Appr.
1		No.			
2					
3					
4					
THE SANCTUARY FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL SANITARY SEWER		Drawn by LOG	Checked by TAK	Date MAY 2022	
Scale AS SHOWN	22 of 40				



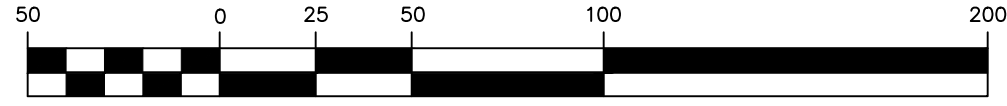
TWO WORKING DAYS
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 1-800-922-1987
 (SEE COVER FOR LIST OF UTILITY CONTACTS)

NOTE:

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 5) ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH
 6) PREDEVELOPMENT GRADING FOR ROLLING HILLS RANCH NORTH AT MERIDIAN RANCH

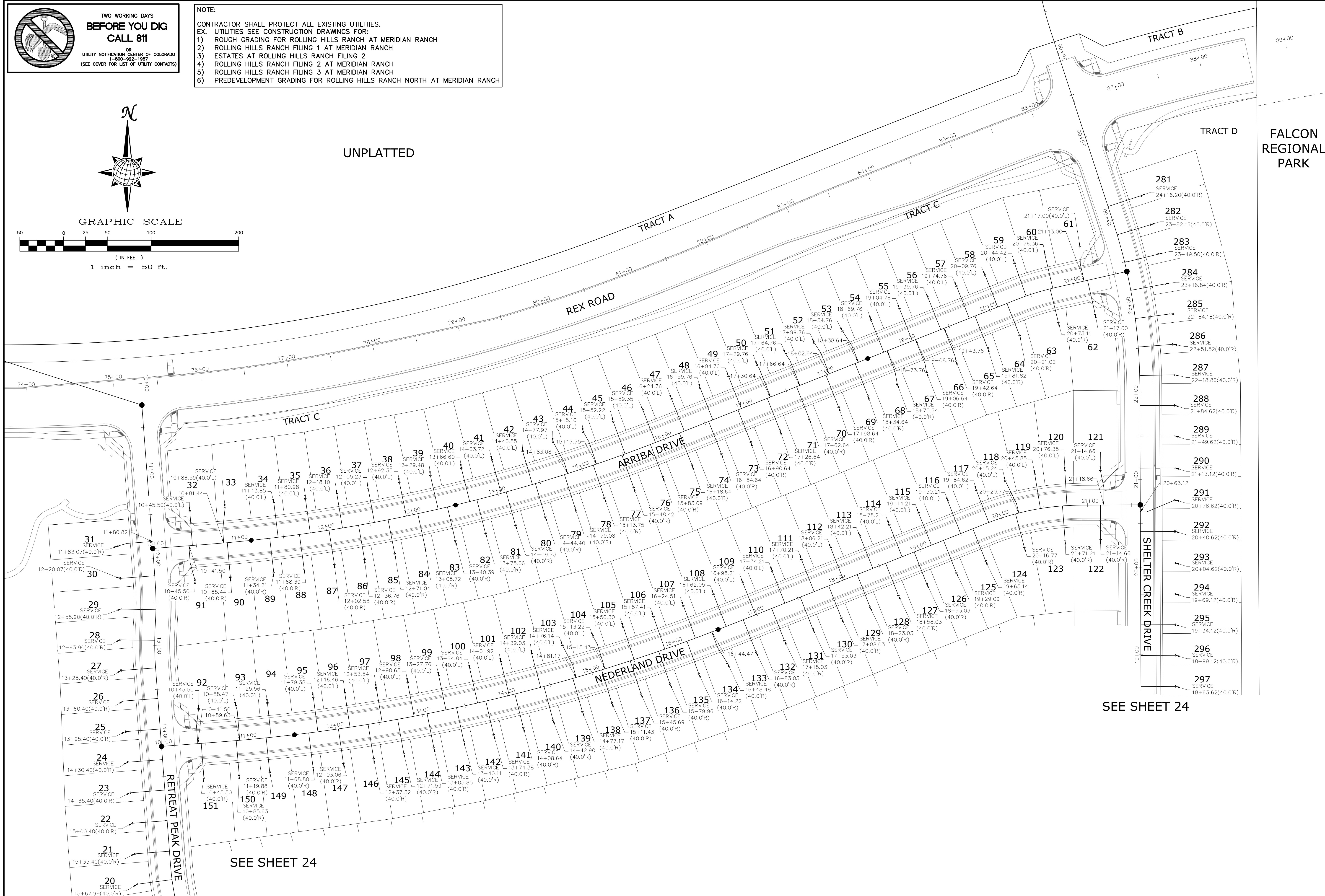


GRAPHIC SCALE



(IN FEET)
 1 inch = 50 ft.

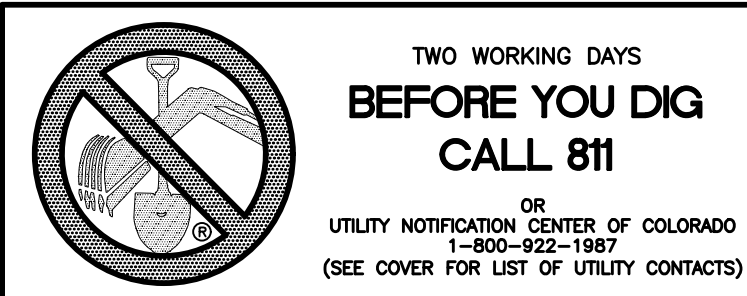
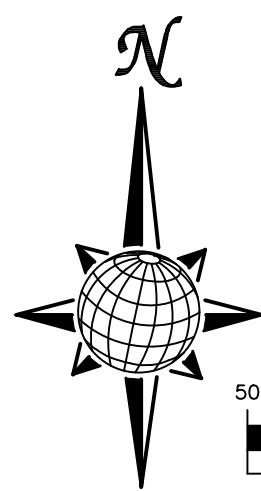
UNPLATTED



SEE SHEET 24

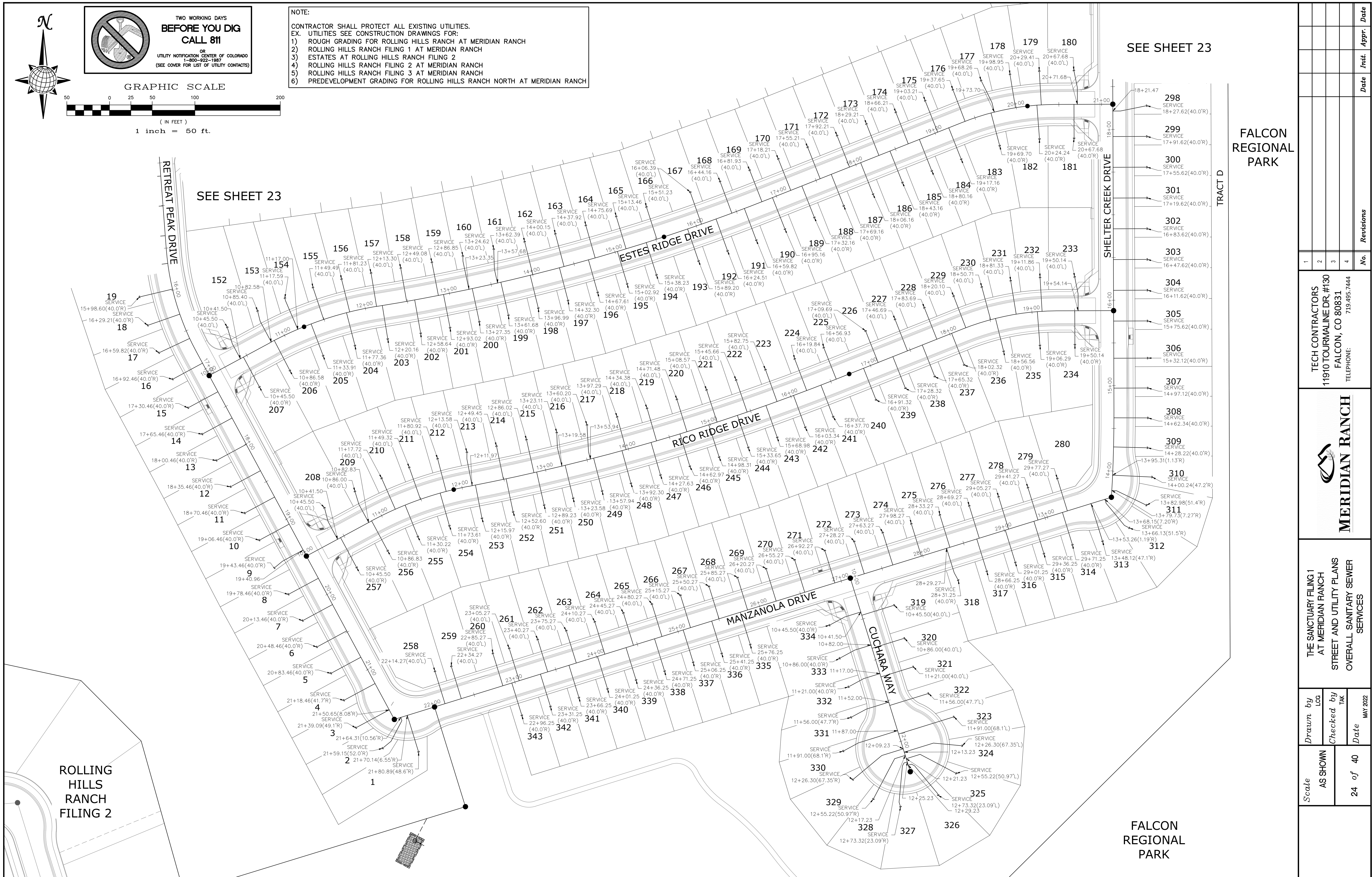
SEE SHEET 24

Date		Date		Date	
Appr.		Invt.		Date	
Revisions		No.		No.	
1		2		3	
4		5		6	
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444					
 MERIDIAN RANCH					
THE SANCTUARY FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL SANITARY SEWER SERVICES					
Scale	AS SHOWN	Drawn by	LOG	Checked by	TAK
	23 of 40	Date	MAY 2022		



GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft.

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EX. UTILITIES SEE CONSTRUCTION FOR:
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5) ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH
6) PREDEVELOPMENT GRADING FOR ROLLING HILLS RANCH NORTH AT MERIDIAN RANCH



FALCON REGIONAL PARK

SEE SHEET 23

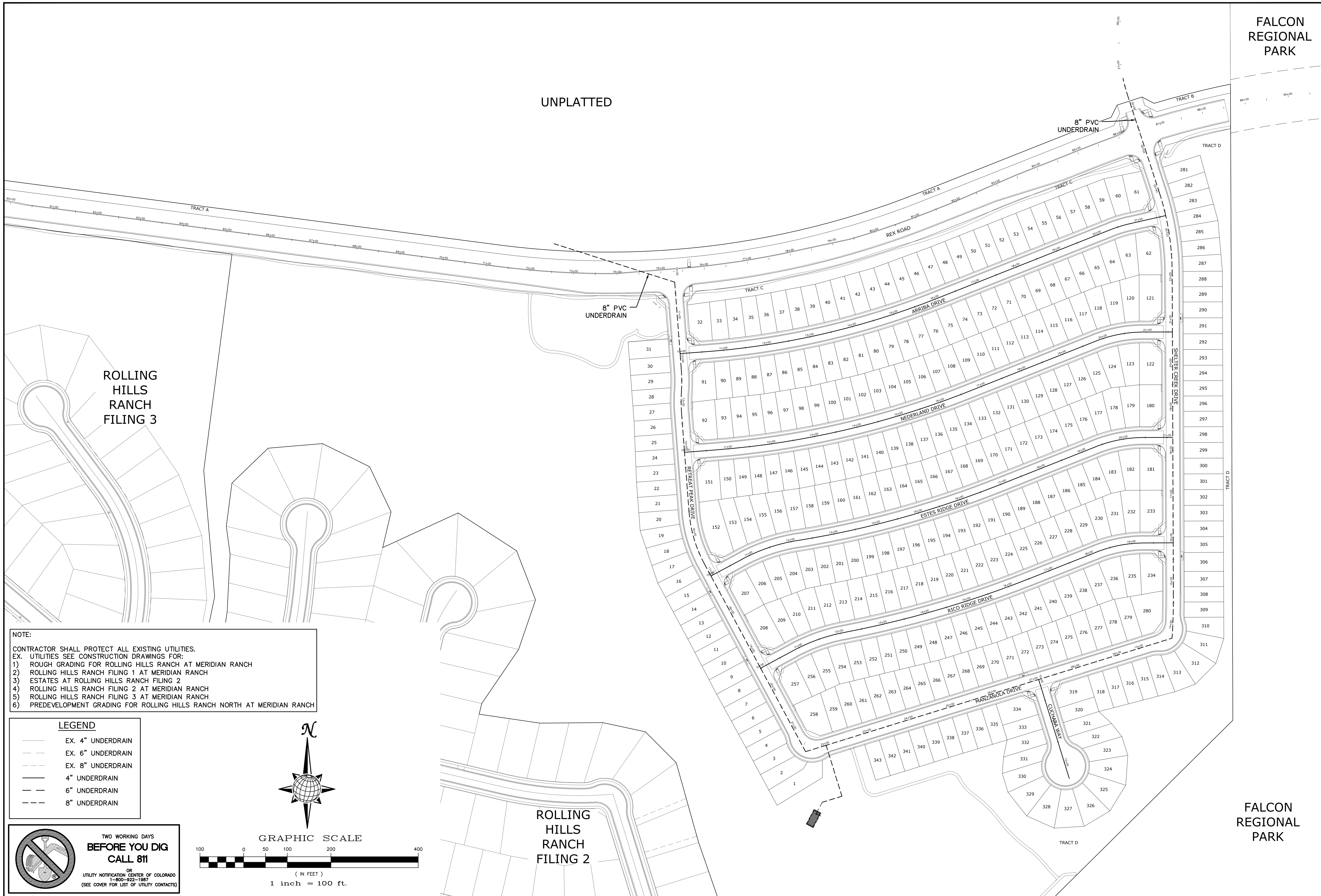
SEE SHEET 23

ROLLING HILLS RANCH FILING 2

FALCON REGIONAL PARK

1	2	3	4	No.	Revisions	Date	Appr.		
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444				MERIDIAN RANCH				THE SANCTUARY FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL SANITARY SEWER SERVICES	
Scale	AS SHOWN	Drawn by	LOG	Checked by	TAK	Date	MAY 2022		
Scale	24 of 40								

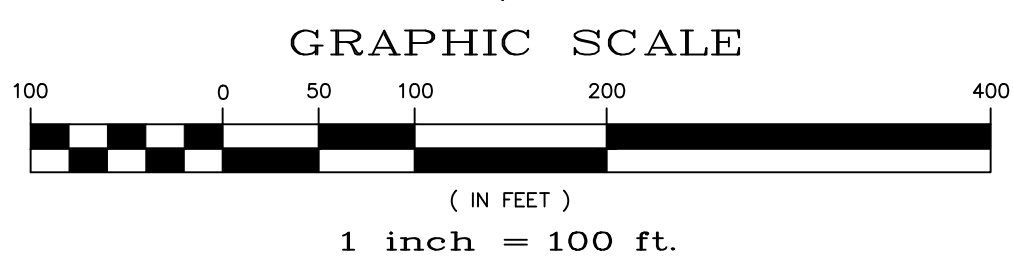
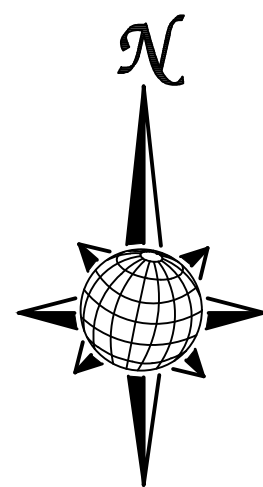
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NOTE:
 CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
 EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
 1) ROUGH GRADING FOR ROLLING HILLS RANCH AT MERIDIAN RANCH
 2) ROLLING HILLS RANCH FILING 1 AT MERIDIAN RANCH
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 4) ROLLING HILLS RANCH FILING 2 AT MERIDIAN RANCH
 5) ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH
 6) PREDEVELOPMENT GRADING FOR ROLLING HILLS RANCH NORTH AT MERIDIAN RANCH

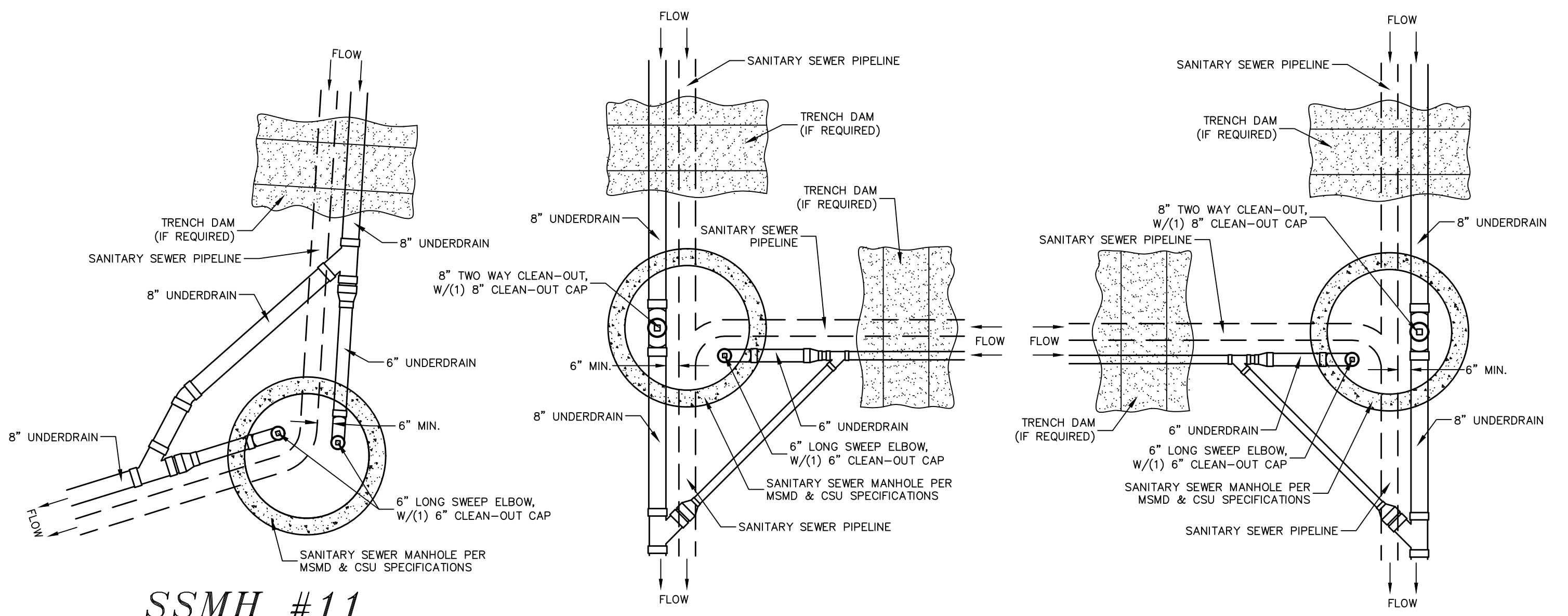
LEGEND

	EX. 4" UNDERDRAIN
	EX. 6" UNDERDRAIN
	EX. 8" UNDERDRAIN
	4" UNDERDRAIN
	6" UNDERDRAIN
	8" UNDERDRAIN



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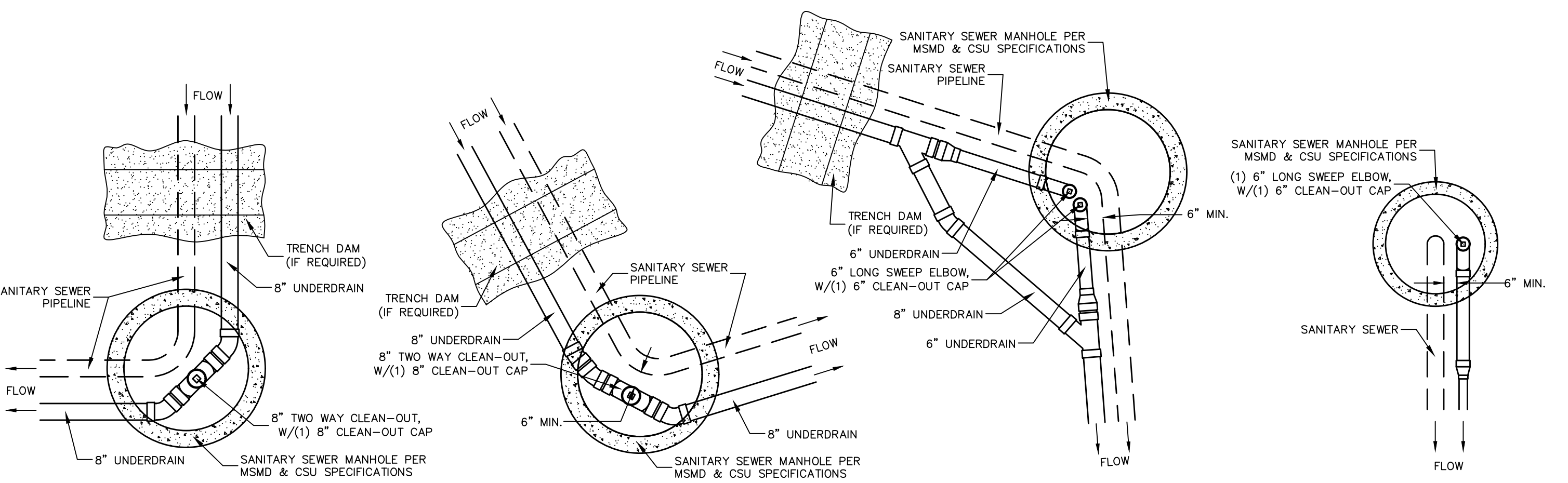
Scale		AS SHOWN		25 of 40	
Drawn by	LOG	Checked by	TAK	Date	MAY 2022
THE SANCTUARY FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL UNDERDRAIN					
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444					
1	2	3	4	No.	Revisions
				Date	Appr.
				Date	Appr.



SSMH #11

**SSMH #4, #5, #6,
#7 & #9**

**SSMH #12, #13,
#14 & #15**

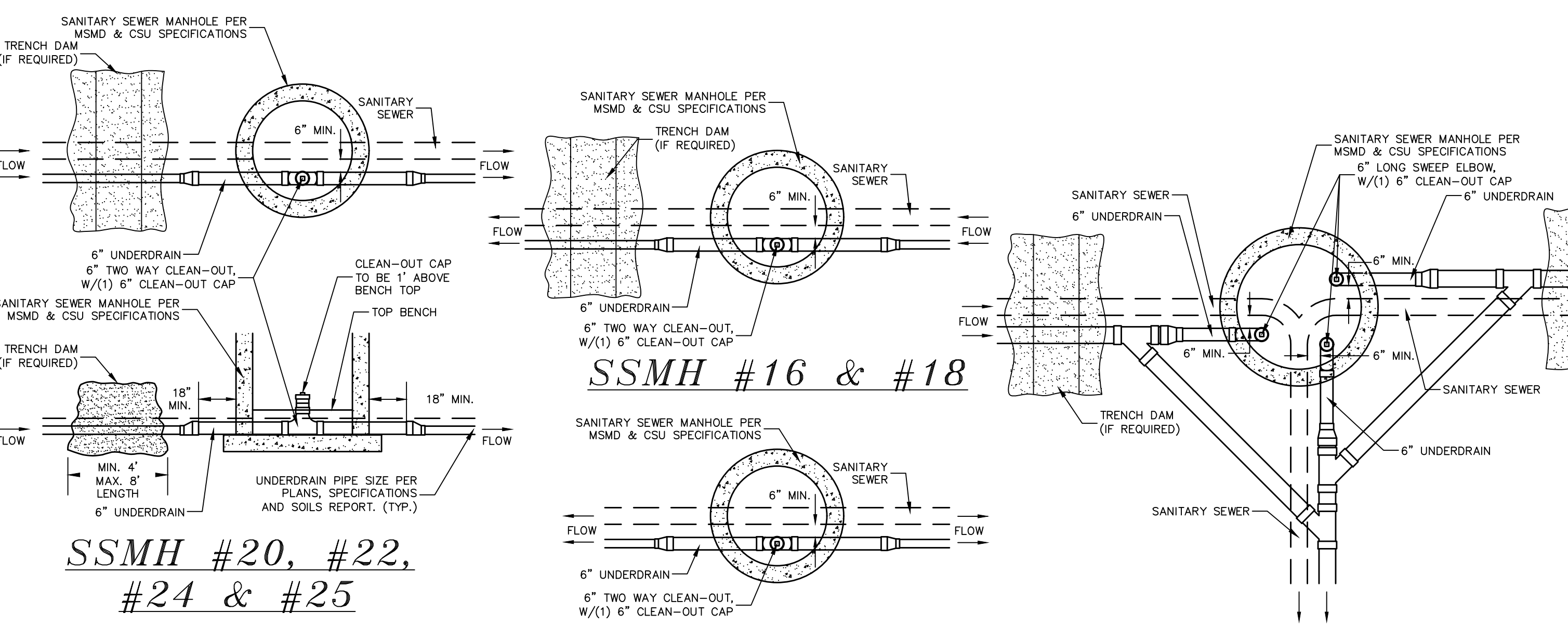


SSMH #1

SSMH #3

SSMH #8

SSMH #10

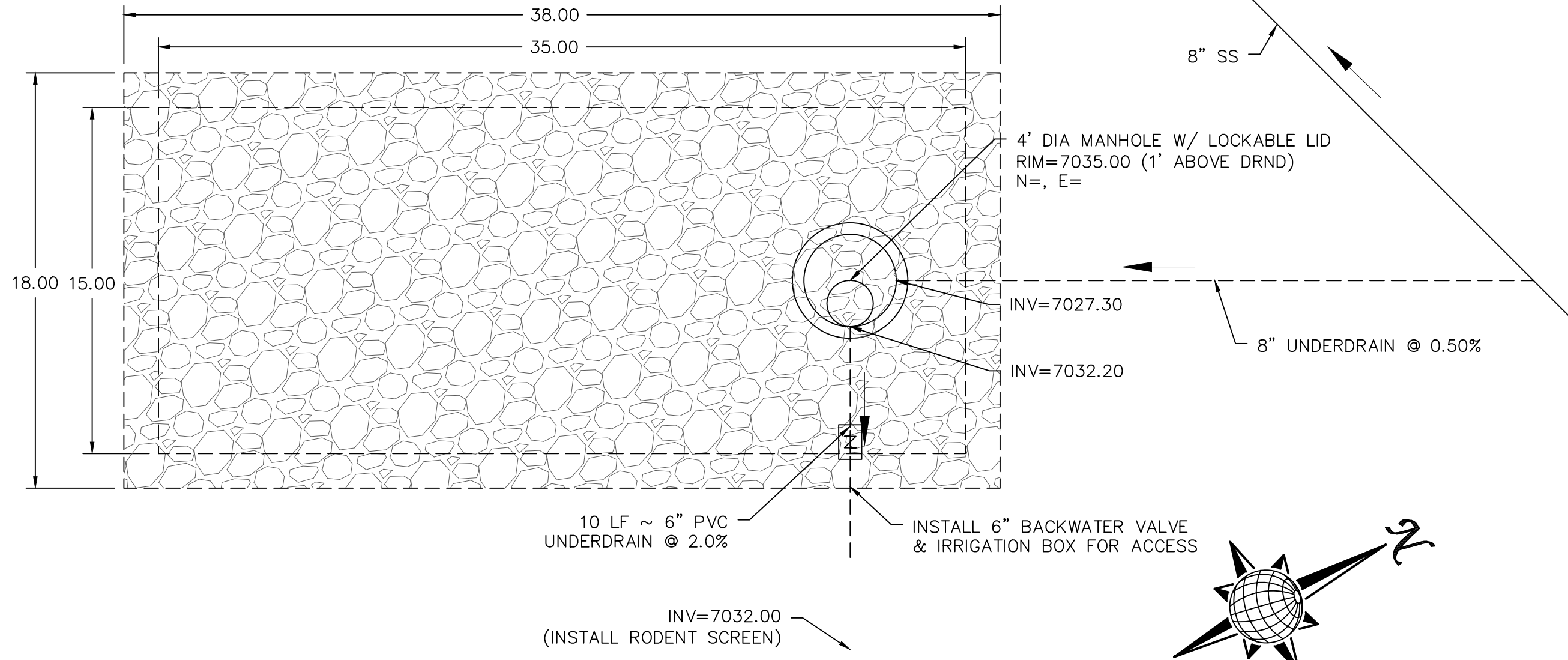


**SSMH #20, #22,
#24 & #25**

**SSMH #17, #19,
#21 & #23**

SSMH #2

CLEAN-OUT DETAILS
SCALE : N.T.S.



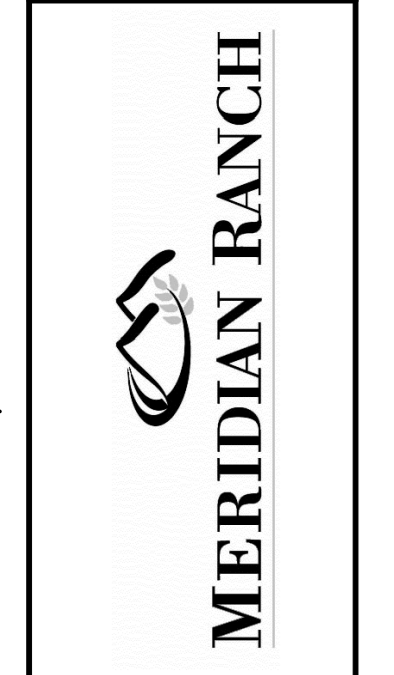
DISPERSION PIT DETAIL
AREA 11, TOTAL OF 750-800 RESIDENTIAL HOMES
SCALE : N.T.S.

NOTES:

1. THE UNDERDRAIN SYSTEM SHALL BE PASSIVE, WATER TIGHT, NON- PERFORATED PIPE, WITH THE MAIN LINE SIZE DESIGNED BY THE ENGINEER. ALL UNDERDRAIN PIPES AND FITTINGS SHALL BE SDR 35 PVC, OR MSMD APPROVED EQUAL, INSTALLED PER THE SAME INSTALLATION STANDARDS AS OUTLINED BY CSUS FOR SANITARY SEWER SYSTEMS. THE UNDERDRAIN SYSTEM AT EACH SANITARY SEWER MANHOLE SHALL CONTAIN 6" CLEAN-OUTS IN EACH UNDERDRAIN MAIN DIRECTION PER THE CLEAN-OUT DETAIL. ALL LOTS SHALL RECEIVE A WHITE 3" UNDERDRAIN SERVICE LATERAL ADJACENT TO THE SANITARY SEWER SERVICE LATERAL.
2. TESTING OF THE UNDERDRAIN SYSTEM WILL CONSIST OF VISUAL INSPECTIONS FOR WATER IN THE SYSTEM, ALONG WITH A VIDEO INSPECTION PERFORMED BY MSMD PERSONNEL. ALL UNDERDRAIN MAINS AND DOWNSTREAM INFILTRATION STRUCTURES SHALL BE CLEAN AND DEBRIS FREE UPON COMPLETION OF THE SYSTEM AND PRIOR TO CCTV. ALL UNDERDRAIN MAINS SHALL BE CCTV INSPECTED BY MSMD AND REVIEWED FOR APPROVAL. THE SPECIFICATION FOR ALLOWABLE STANDING WATER AND WATER INFILTRATION IN THE UNDERDRAIN SYSTEM SHALL BE THE SAME AS PER CSUS FOR SANITARY SEWER SYSTEMS. IF EXCESS WATER IS OBSERVED IN THE UNDERDRAIN SYSTEM, THE CONTRACTOR SHALL LOCATE THE SOURCE OF WATER INFILTRATION AND REPAIR AS NECESSARY TO MEET CSUS.
3. IF THE UNDERDRAIN MAIN HAS LOW SPOTS THAT EXCEED CSUS STANDARDS, THE CONTRACTOR SHALL REPAIR THE LINE AS NECESSARY TO MEET CSUS. UNDERDRAIN MAINS THAT DO NOT MEET MSMD STANDARDS SHALL BE REPLACED AND OR REPAIRED AS NECESSARY. THE CONTRACTOR SHALL RE-CCTV INSPECT THE UNDERDRAIN MAIN LINES AFTER THE REPAIRS HAVE BEEN MADE WITH ONE VIDEO SUBMITTED TO MSMD FOR REVIEW AND APPROVAL.
4. UNDER DRAIN MAIN LINES SHALL HAVE CONTINUOUS POSITIVE DRAINAGE TO THE POINT OF DISCHARGE INTO A BELOW GRADE AN APPROVED UNDERDRAIN INFILTRATION STRUCTURE WHEREVER POSSIBLE. UNDERDRAIN INFILTRATION STRUCTURES SHALL BE DESIGNED WITH OVERFLOW LINES FOR FUTURE EXPANSION AS NEEDED. IF GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION OF THE INFILTRATION STRUCTURE, STOP INSTALLATION AND CONTACT THE DISTRICT ENGINEER FOR POSSIBLE ALTERNATE DESIGN.
5. UNDERDRAINS WILL DAYLIGHT AT LOCATIONS SHOWN ON THE DRAWINGS.
6. UNDERDRAIN CLEANOUTS SHALL BE 6 INCH AND SHALL BE LOCATED AT EVERY MANHOLE. UNDERDRAIN CLEANOUTS AND CLEANOUT CONSTRUCTION WILL LEAVE NO INFILTRATION WITHIN SEWER MANHOLES. MANHOLE PENETRATIONS TO BE FILLED WITH NON-SHRINKING GROUT. UNDERDRAIN SIZE WILL NOT BE REDUCED THROUGH THE MANHOLE.
7. TRENCH DAMS WILL BE PROVIDED AT INTERVALS NO GREATER THAN 350 FEET IN SANITARY SEWER SECTIONS WHERE GROUNDWATER EXISTS OR WHERE DIRECTED BY THE ENGINEER. A TRENCH DAM WILL BE CONSTRUCTED WITHIN THE FIRST 100 FEET OF EITHER ENTERING OR EXITING GROUNDWATER. THE CONTRACTOR SHALL NOTIFY THE DISTRICT WHEN GROUNDWATER IS ENCOUNTERED TO REVIEW TRENCH DAM NEEDS, LOCATIONS, AND MATERIALS.
8. TRENCH DAMS MAY BE CONSTRUCTED OF ON SITE MATERIALS IF APPROVED BY THE SOILS ENGINEER.
9. TRENCH DAMS SHALL COMPLETELY INTERRUPT GRAVEL BEDDING AND STABILIZATION THE FULL WIDTH OF THE TRENCH FOR A LENGTH OF NO LESS THAN 4 FEET BUT NO GREATER THAN 8 FEET.
10. TRENCH DAMS SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR AROUND THE SEWER AND UNDERDRAIN PIPELINES.
11. IF ALTERNATE MATERIALS (CONCRETE) OR SOIL AMENDED TRENCH DAMS ARE NECESSARY OR REQUIRED BY THE ENGINEER, THE DAMS SHALL BE EXTENDED A MINIMUM OF 6 FEET ABOVE THE PIPELINE BUT IN NO CASE CLOSER THAN 6" FROM THE SURFACE.

No.	Revisions	Date	Init.	Appr.	Date
1					
2					
3					
4					

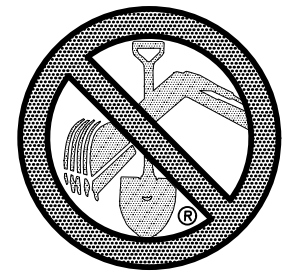
TECH CONTRACTORS
11910 TOURMALINE DR. #130
FALCON, CO 80831
TELEPHONE: 719.495.7444



THE SANCTUARY FILING 1
AT MERIDIAN RANCH
STREET AND UTILITY PLANS
UNDERDRAIN DETAILS

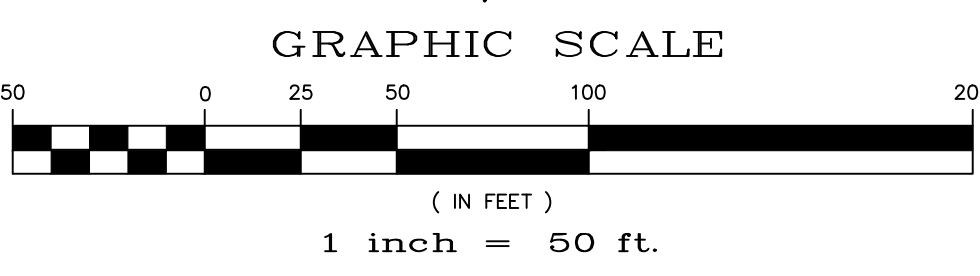
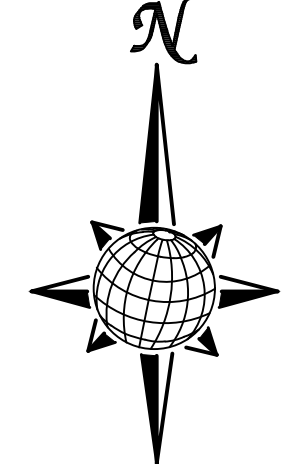
Scale	AS SHOWN
Drawn by	LOG
Checked by	TAK
Date	MAY 2022
26 of 40	

**TWO WORKING DAYS
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CALL 811**
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)



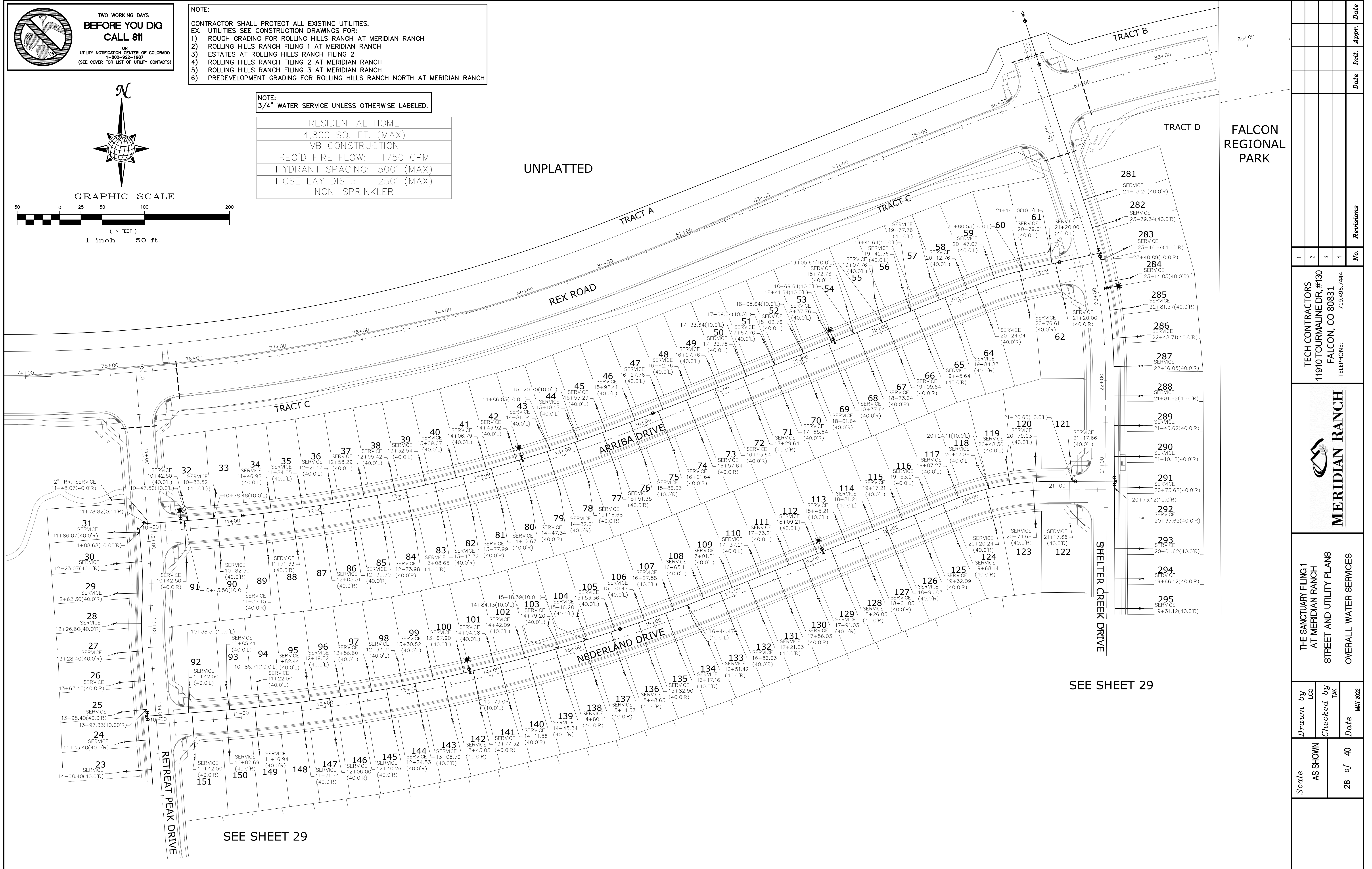
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1-800-922-1987
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2) ROLLING HILLS RANCH FILING 1 AT MERIDIAN RANCH
3) ESTATES AT ROLLING HILLS RANCH FILING 2
4) ROLLING HILLS RANCH FILING 2 AT MERIDIAN RANCH
5) ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH
6) PREDEVELOPMENT GRADING FOR ROLLING HILLS RANCH NORTH AT MERIDIAN RANCH



NOTE:
3/4" WATER SERVICE UNLESS OTHERWISE LABELED.

RESIDENTIAL HOME
4,800 SQ. FT. (MAX)
VB CONSTRUCTION
REQ'D FIRE FLOW: 1750 GPM
HYDRANT SPACING: 500' (MAX)
HOSE LAY DIST.: 250' (MAX)
NON-SPRINKLER



SEE SHEET 29

SEE SHEET 29

FALCON REGIONAL PARK

1	2	3	4	No.	Revisions	Date	Appr.
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444							
				MERIDIAN RANCH			
THE SANCTUARY FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS				OVERALL WATER SERVICES			
Scale	AS SHOWN	Drawn by	LOG	Checked by	TAK	Date	MAY 2022
	28 of 40						

TWO WORKING DAYS BEFORE YOU DIG CALL 811

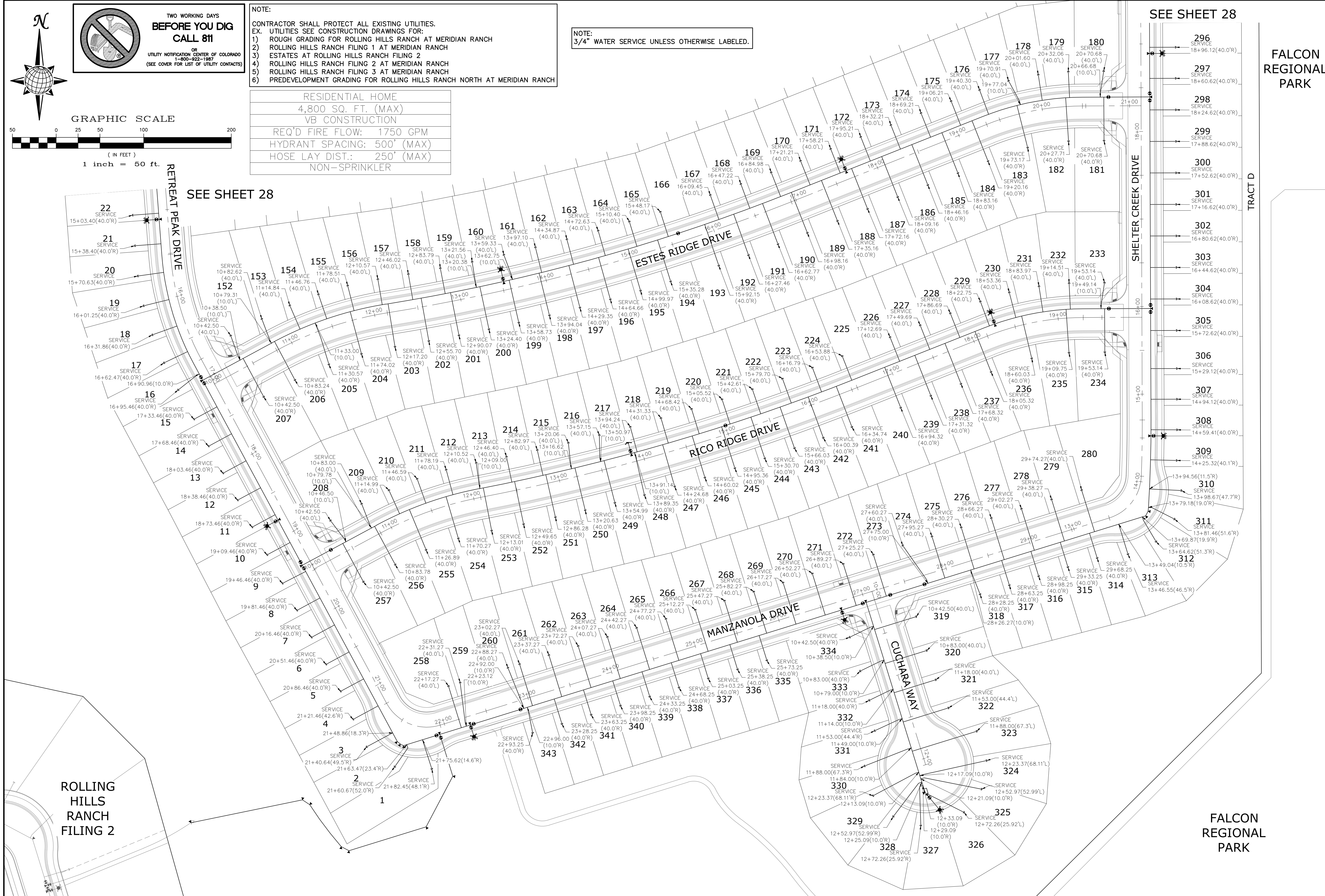
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

NOTE:
CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
1) ROUGH GRADING FOR ROLLING HILLS RANCH AT MERIDIAN RANCH
2) ROLLING HILLS RANCH FILING 1 AT MERIDIAN RANCH
3) ESTATES AT ROLLING HILLS RANCH FILING 2
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NOTE:
3/4" WATER SERVICE UNLESS OTHERWISE LABELED.

RESIDENTIAL HOME
4,800 SQ. FT. (MAX)
VB CONSTRUCTION
REQ'D FIRE FLOW: 1750 GPM
HYDRANT SPACING: 500' (MAX)
HOSE LAY DIST.: 250' (MAX)
NON-SPRINKLER



SEE SHEET 28

SEE SHEET 28

FALCON REGIONAL PARK

FALCON REGIONAL PARK

1	2	3	4	No.	Revisions	Date	Appr.
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444							
 MERIDIAN RANCH							
THE SANCTUARY FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL WATER SERVICES							
Scale	AS SHOWN	Drawn by	LOG	Checked by	TAK	Date	MAY 2022
	29 of 40						

EL PASO COUNTY STANDARD NOTES:

- STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF SITE WATERS, INCLUDING WETLANDS.
- NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS TO REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
- A SEPARATE STORMWATER MANAGEMENT PLAN (SWMP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. MANAGEMENT OF THE SWMP DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QUALIFIED STORMWATER MANAGER OR CERTIFIED EROSION CONTROL INSPECTOR. THE SWMP SHALL BE LOCATED ON SITE AT ALL TIMES AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
- ONCE THE ESQCP IS APPROVED AND A "NOTICE TO PROCEED" HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED GEC. A PRECONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, AND EL PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY STAFF.
- CONTROL MEASURES MUST BE INSTALLED PRIOR COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, AND DISTURBED LAND AREAS SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF THE DISTURBANCE.
- ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE ACTIVITIES SHALL ASSESS THE ADEQUACY OF CONTROL MEASURES AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CONTROL MEASURES ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CONTROL MEASURES. ALL CHANGES TO TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MUST BE INCORPORATED INTO THE STORMWATER MANAGEMENT PLAN.
- TEMPORARY STABILIZATION SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.
- FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES ARE COMPLETE AND ALL DISTURBED AREAS EITHER HAVE A UNIFORM VEGETATIVE COVER WITH INDIVIDUAL PLANT DENSITY OF 70 PERCENT OF PRE-DISTURBANCE LEVELS, ESTABLISHED OR EQUIVALENT PERMANENT ALTERNATIVE STABILIZATION METHOD IS IMPLEMENTED. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED UPON FINAL STABILIZATION AND BEFORE PERMIT CLOSURE.
- ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT EFFECT THE DESIGN OR FUNCTION OF PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
- EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A WATERS OF THE STATE UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED.
- COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES OR WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF COMPACTION PREVENTION IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, ALL AREAS DESIGNATED FOR INFILTRATION AND VEGETATION CONTROL MEASURES MUST BE LOOSENEED PRIOR TO INSTALLATION OF THE CONTROL MEASURE(S).
- ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF SITE.
- CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUTS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK OR STREAM.
- DURING DEWATERING OPERATIONS OF UNCONTAMINATED GROUND WATER MAY BE DISCHARGED ON SITE, BUT SHALL NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF UNLESS AN APPROVED STATE DEWATERING PERMIT IS IN PLACE.
- EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. CONTROL MEASURES MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
- TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
- THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEMS AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
- THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.
- NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ONSITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
- BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPILLS ONSITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR OTHER FACILITIES.
- NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
- OWNER/DEVELOPER AND THEIR AGENTS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE, DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (1041, NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.
- PRIOR TO CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
- A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
- THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY ENTECH ENGINEERING, INC. AND SHALL BE CONSIDERED A PART OF THESE PLANS.
- AT LEAST TEN DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN (SWMP), OF WHICH THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

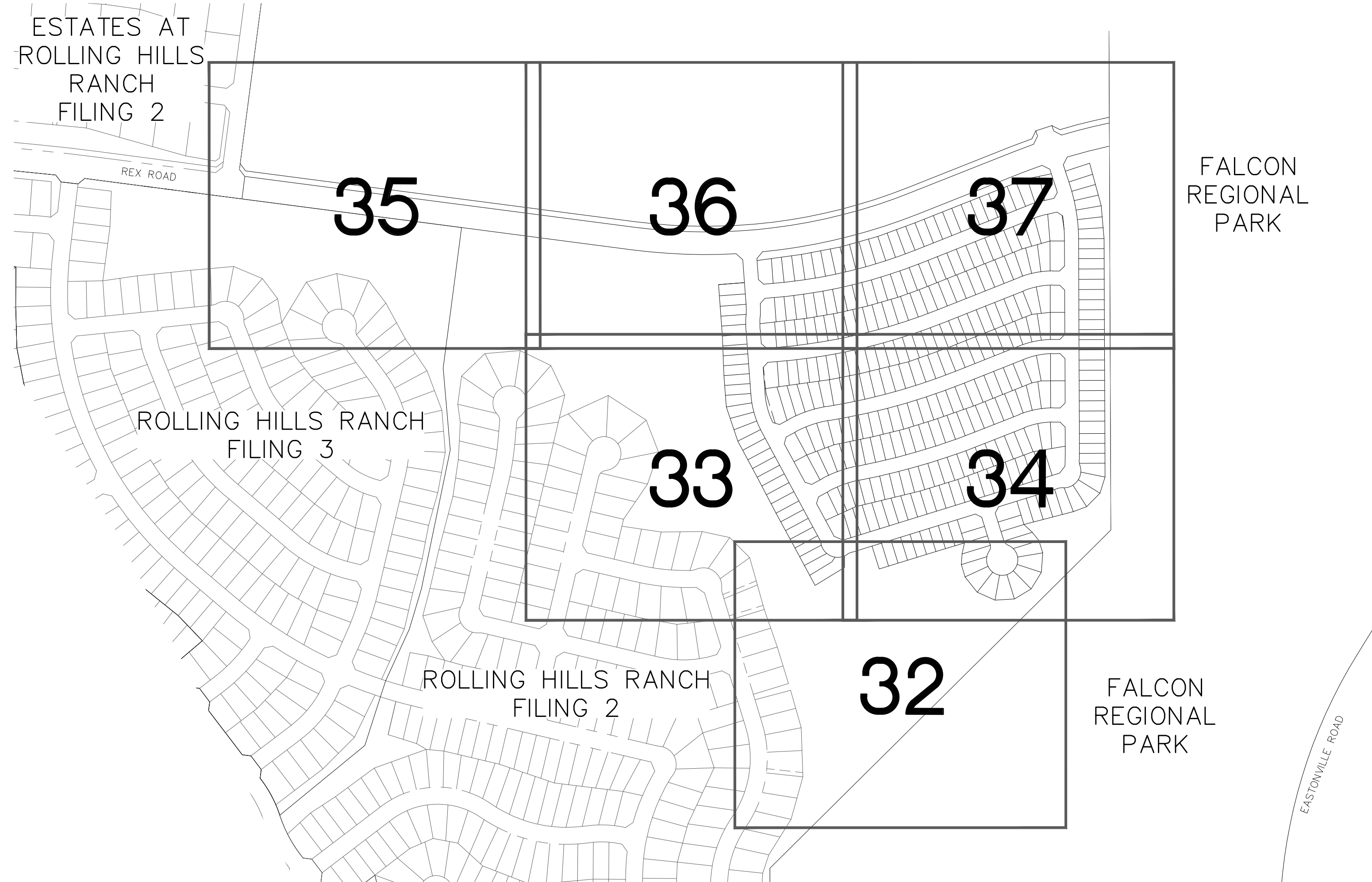
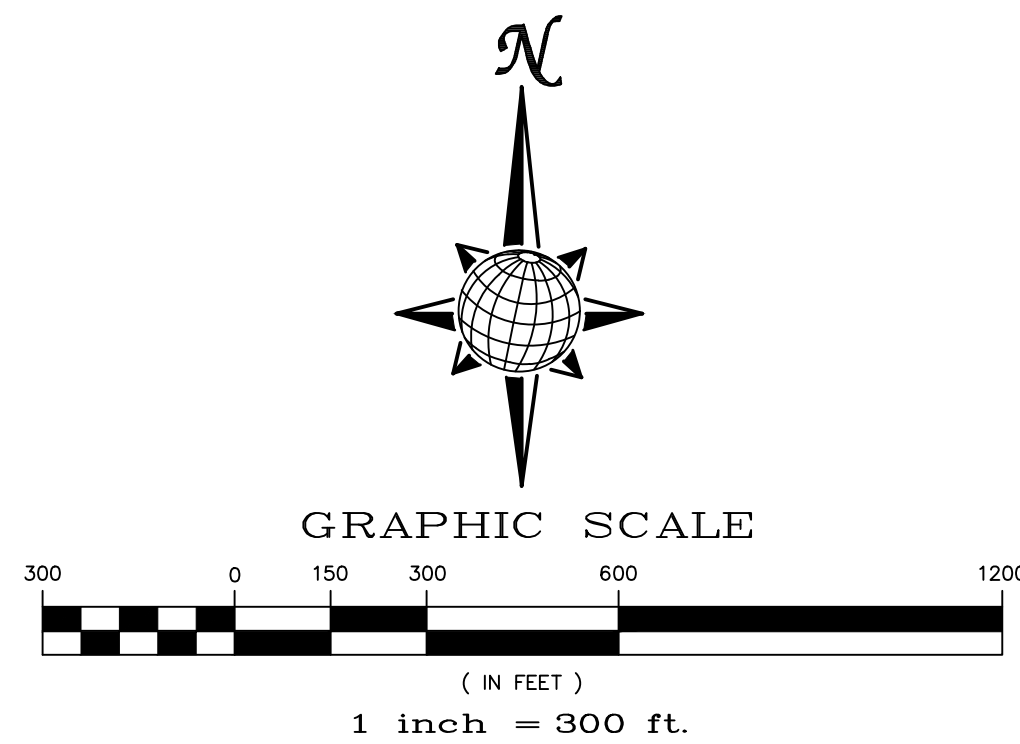
COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL DIVISION
WOOD - PERMITS
4300 CHERRY CREEK DRIVE SOUTH
DENVER, CO 80246-1530
ATTN: PERMITS UNIT

add date of report

EARTHWORK QUANTITIES

NET YARDS	BALANCE	
TOTAL STRIPPINGS	0.00 AC.	000 CY
NET YARDS	CUT 0 CY	FILL 2,500 CY
20% COMPACTION FACTOR		

NOTE: FILL WILL BE GENERATED FROM UTILITY INSTALLATION.

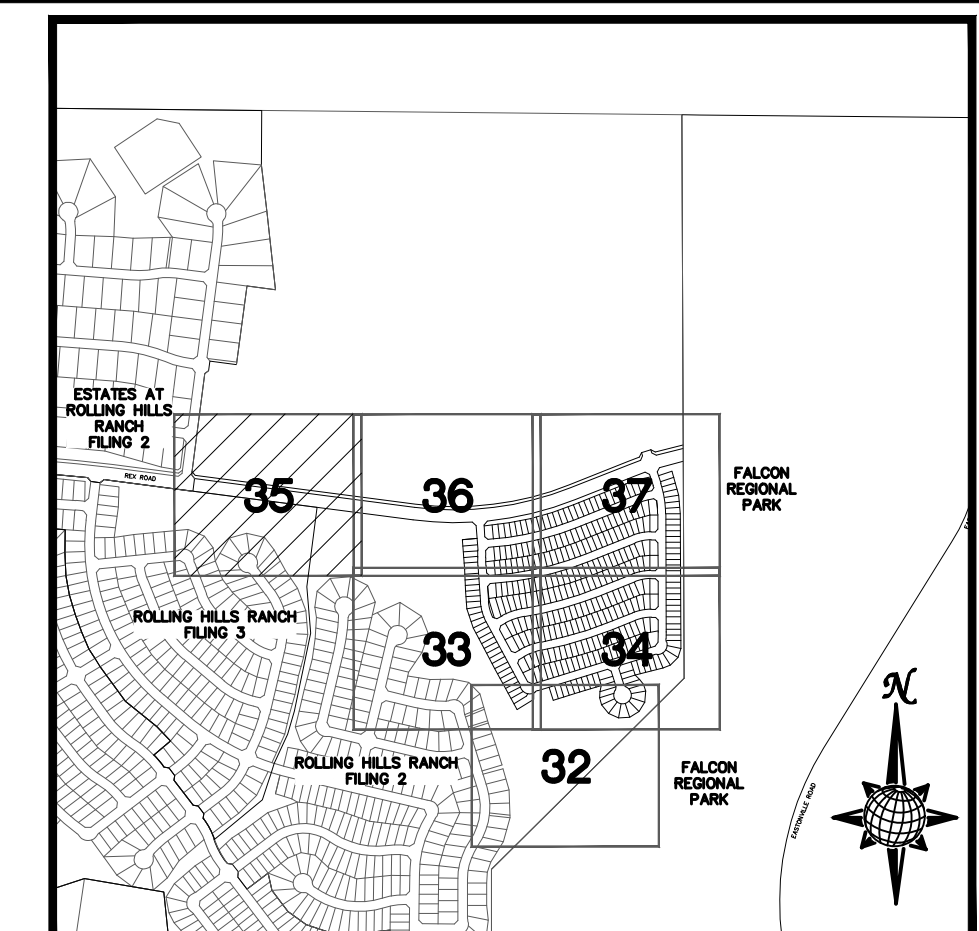
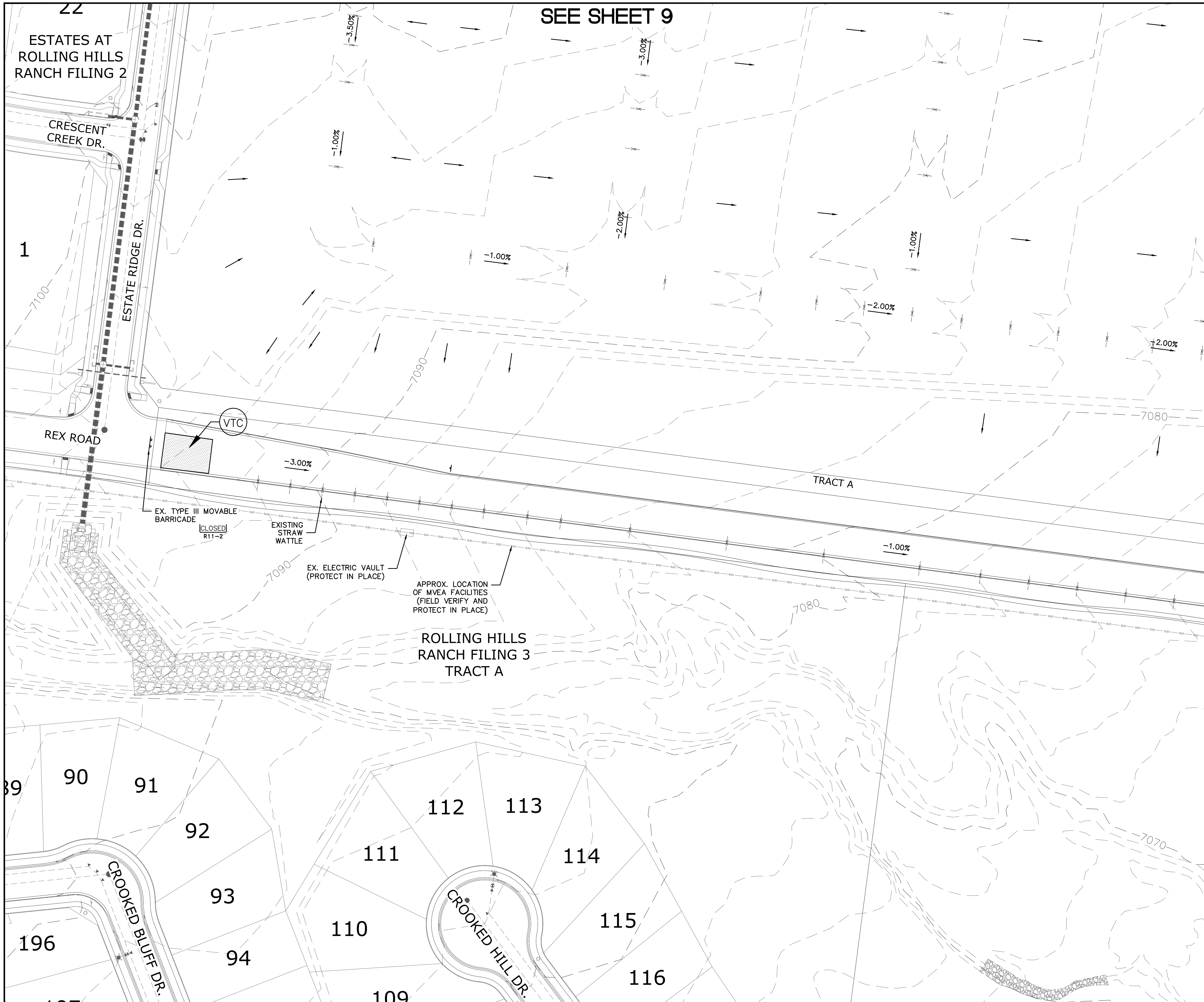


Stage	Description	Control Measures	Begin Date	End Date
Stage 1	Overlot Grading	Silt fence & VTC Temporary Sed. Basins Swale Checks as needed Surface Roughening	June 2022	August 2022
Stage 2	Underground utilities Surface Improvements	Perimeter Control Inlet Protection	August 2022	August 2023
Stage 3	Home Construction	Inlet Protection Individual Lot Perimeter Control	November 2022	November 2025
Final Stabilization	Permit Close	Final Stabilization Permanent Seeding Permanent Measures	November 2025	

- NOTE:
- EXISTING VEGETATION ON THE PROJECT SITE AND THE IN SURROUNDING AREAS CONSISTS OF A MIXTURE OF NATIVE GRASSES AND WEEDS WITH COVERAGE APPROXIMATING 70% DENSITY UNLESS OTHERWISE NOTED. SOME AREAS HAVE NEGLIGIBLE VEGETATIVE GROWTH AT THIS TIME AS THE SITE WAS PREVIOUSLY GRADED AND RE-SEEDED OR USED AS A BUILDERS' STOCKPILE LOCATION. AREAS PREVIOUSLY GRADED HAS BEEN RE-SEEDED WITH THE APPROVED COUNTY SEED MIX.
 - MATERIAL STORAGE, TOPSOIL STOCKPILES(EDFCD: MM-2), STAGING(UDFCD: SM-6), CONCRETE WASHOUT AND WASTE AREAS SHALL BE IDENTIFIED BY THE CONTRACTOR PRIOR TO START OF CONSTRUCTION AND ADJUSTED AS NECESSARY.
 - THERE IS NO CONCRETE BATCH PLANT ASSOCIATED WITH THIS PROJECT.
 - NO SLOPES GREATER THAN 3:1 ARE EXPECTED ON THIS SITE. SLOPES GREATER THAN 3:1 REQUIRE EROSION CONTROL BLANKET.
 - MIRIFI FABRIC TO BE PLACED BELOW ALL RIP-RAP.

TWO WORKING DAYS
**BEFORE YOU DIG
CALL 811**
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

1	2	3	4	No.	Revisions	Date	Appr.		
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444				MERIDIAN RANCH				THE SANCTUARY FILING 1 AT MERIDIAN RANCH GRADING/EROSION CONTROL PLAN GRADING INDEX SHEET	
Scale AS SHOWN		Drawn by LOG		Checked by TJK		Date MAY 2022			
31 of 40									



INDEX MAP
N.T.S.

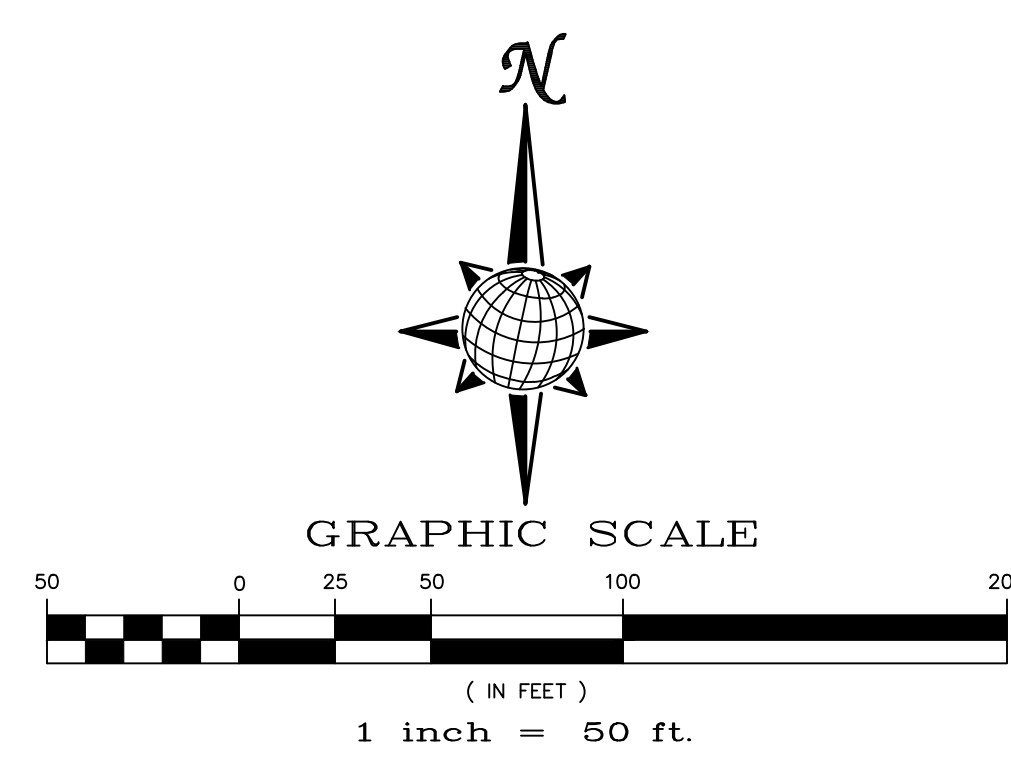
LEGEND

SYMBOL	ACRONYM	DESCRIPTION
		STRAW BALES PER DETAIL SHEET 40
		EROSION WATTLES PER DETAIL SHEET 40
		EROSION CONTROL BLANKET PER DETAIL ECB-1 & ECB-2 DCM VOL. 2
	RCP	REINFORCED CONCRETE PIPE
	SF	SILT FENCE PER DETAIL SF-1, SF-2 & SF-3 DCM VOL. 2
	VTC	VEHICLE TRACKING CONTROL PER DETAIL VT-2 DCM VOL. 2
	IP	INLET PROTECTION PER DETAIL SHEET 40
LIMITS OF GRADING		
		EXISTING CONTOUR (10')
		EXISTING CONTOUR (2')
		PROPOSED CONTOUR (10')
		PROPOSED CONTOUR (2')
		CONSTRUCTION BOUNDARY
		FLOW DIRECTION
		GRADE
	A	LOT GRADE TYPE

SEE SHEET 7

NOTE:
ALL CONTOURS SHOWN WITHIN THE PLAN SET ARE TO FINISHED SURFACE. ALL STREET SECTIONS ARE TO BE GRADED TO ROUGH SUB-GRADE AS SHOWN IN THEIR RESPECTIVE TYPICAL STREET SECTION SHOWN ON SHEET 39.

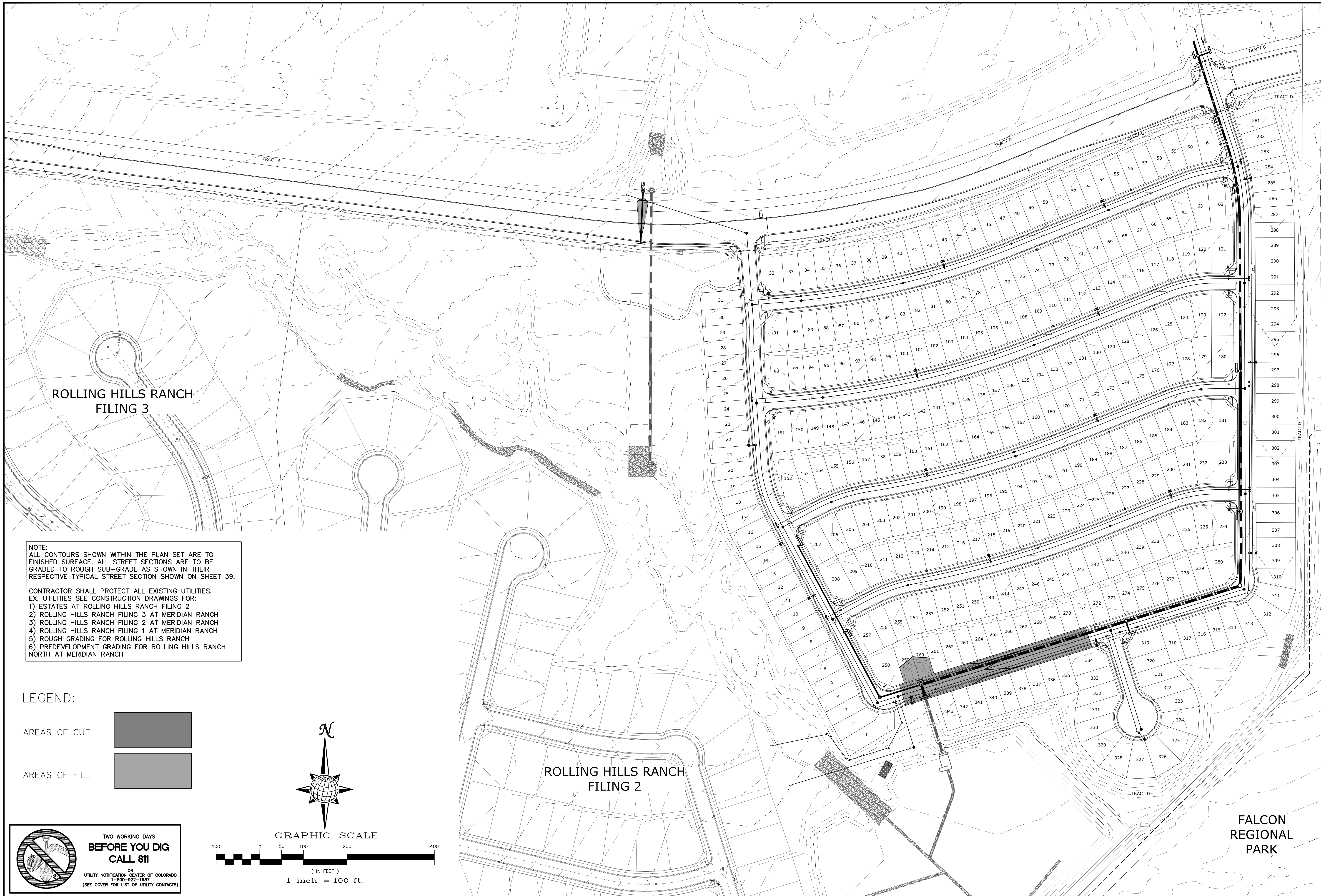
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TWO WORKING DAYS BEFORE YOU DIG CALL 811

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 UTILITY NOTIFICATION CENTER OF COLORADO
 1-800-922-1987
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THE SANCTUARY FILING 1 AT MERIDIAN RANCH GRADING-EROSION CONTROL PLAN		PLAN SHEET	
Drawn by LOG	Checked by TKM	Date MAY 2022	Scale AS SHOWN
35 of 40		35 of 40	
Revisions		Date / Init. / Appr.	
1	2	3	4
No.	No.	No.	No.



ROLLING HILLS RANCH
FILING 3


ROLLING HILLS RANCH
FILING 2


FALCON
REGIONAL
PARK

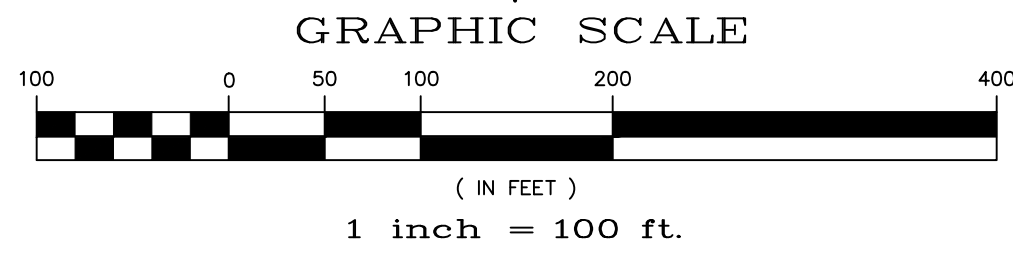
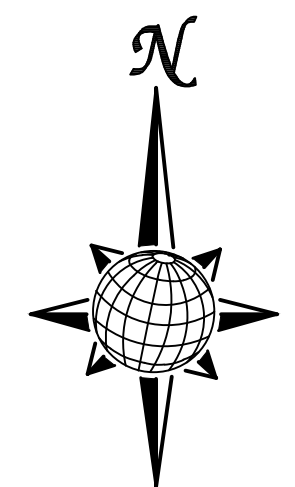
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LEGEND:

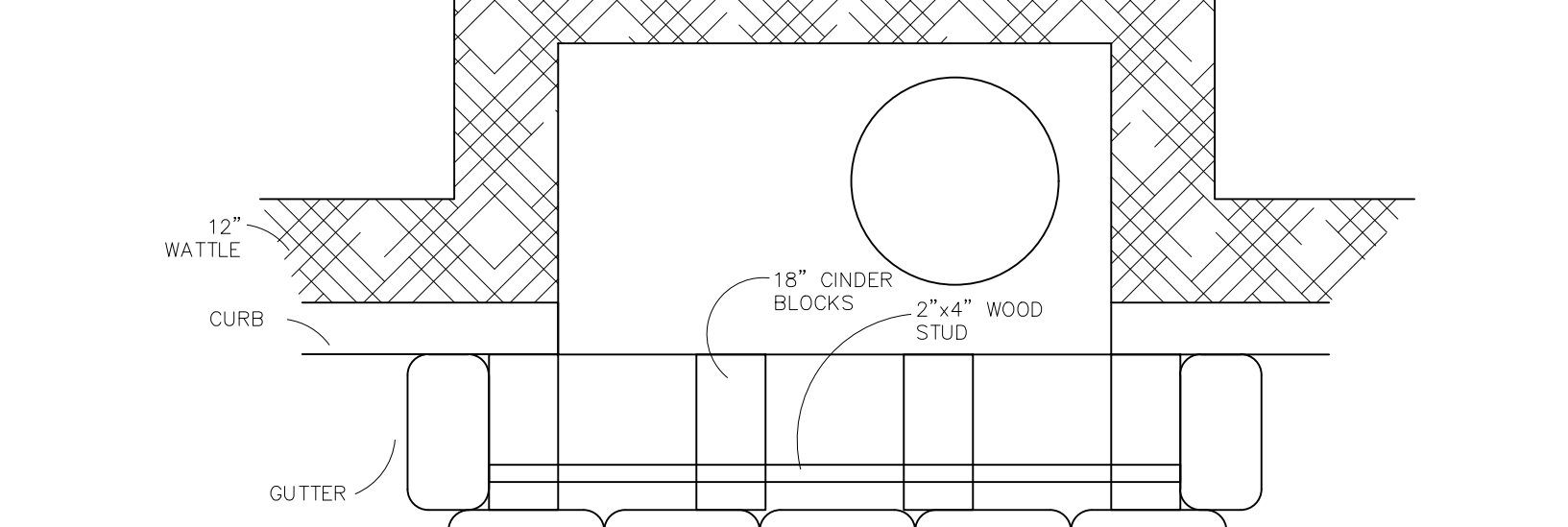
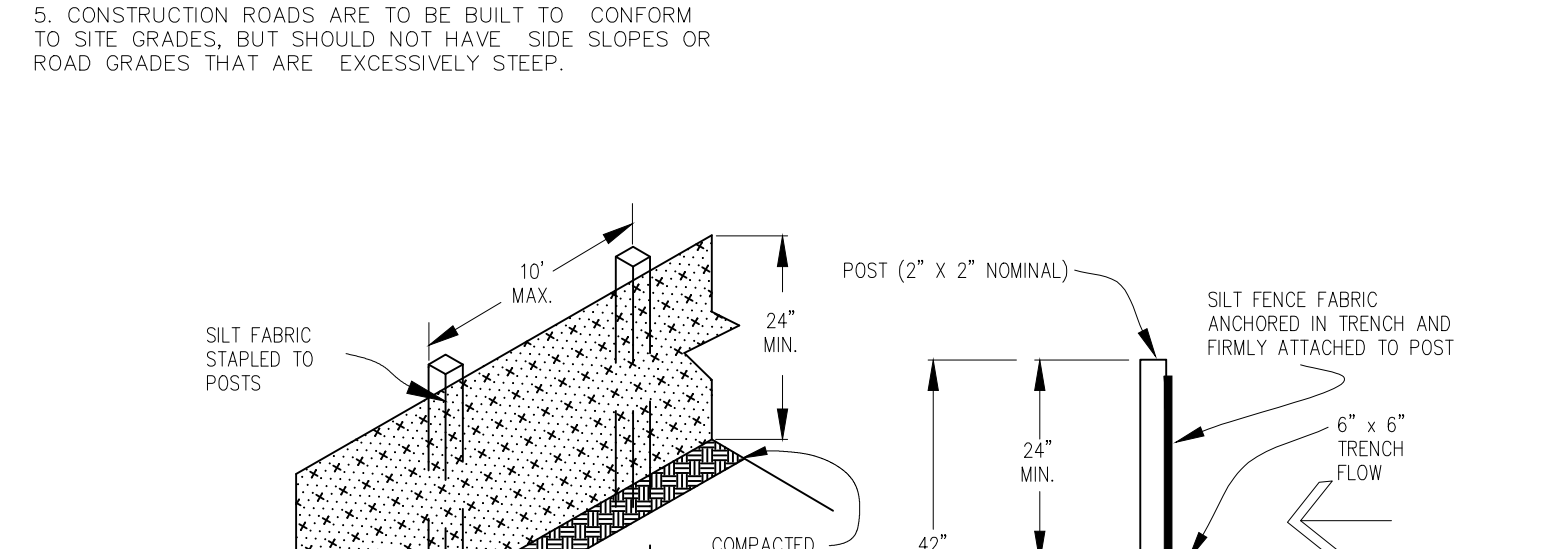
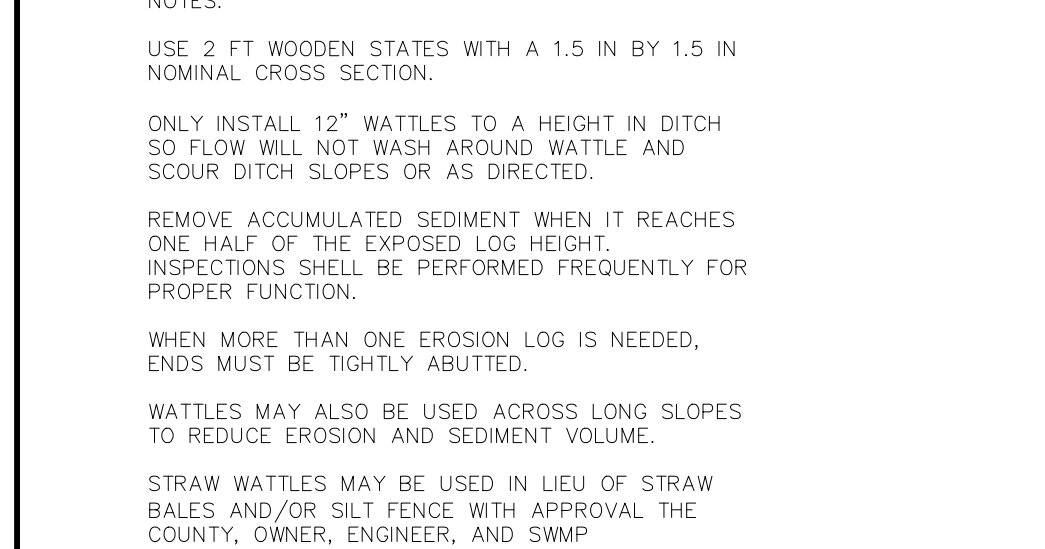
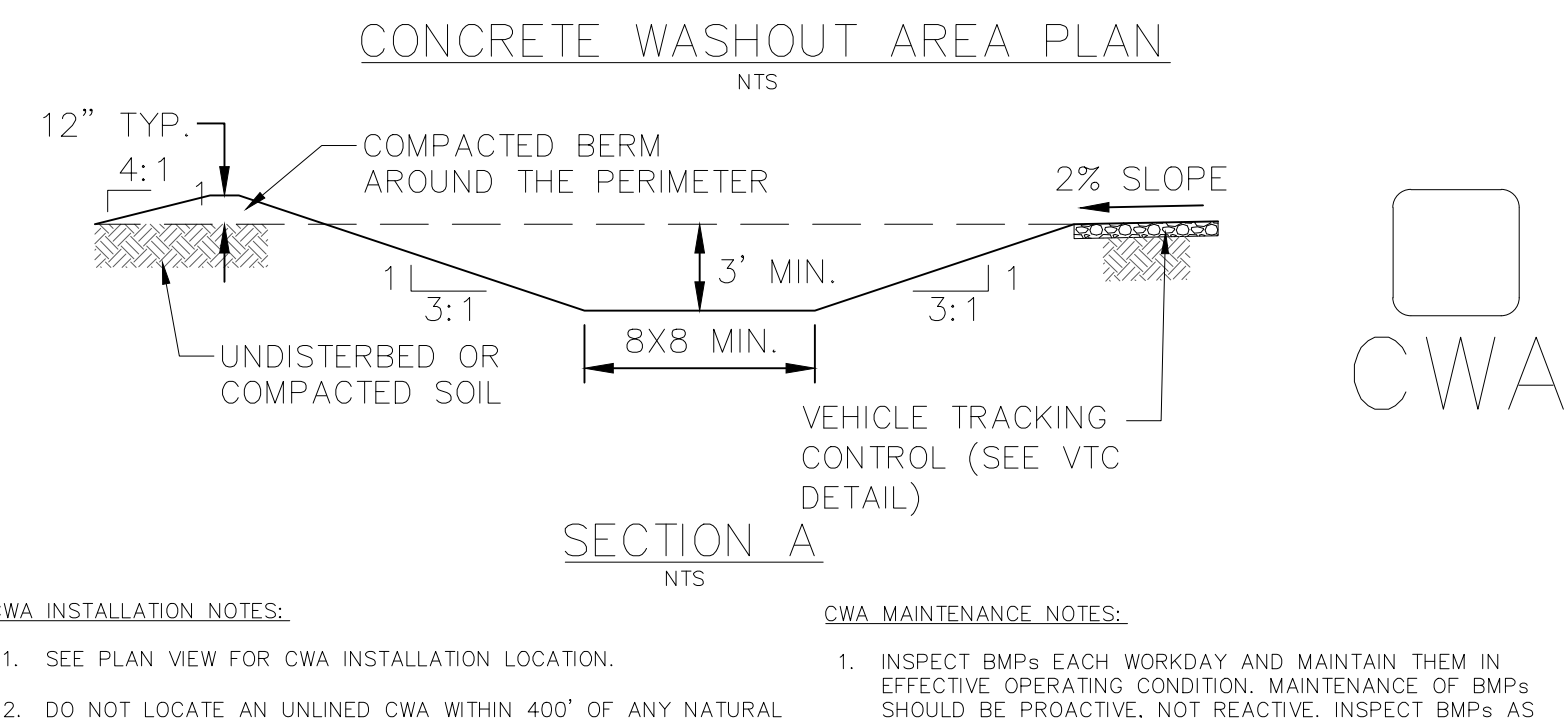
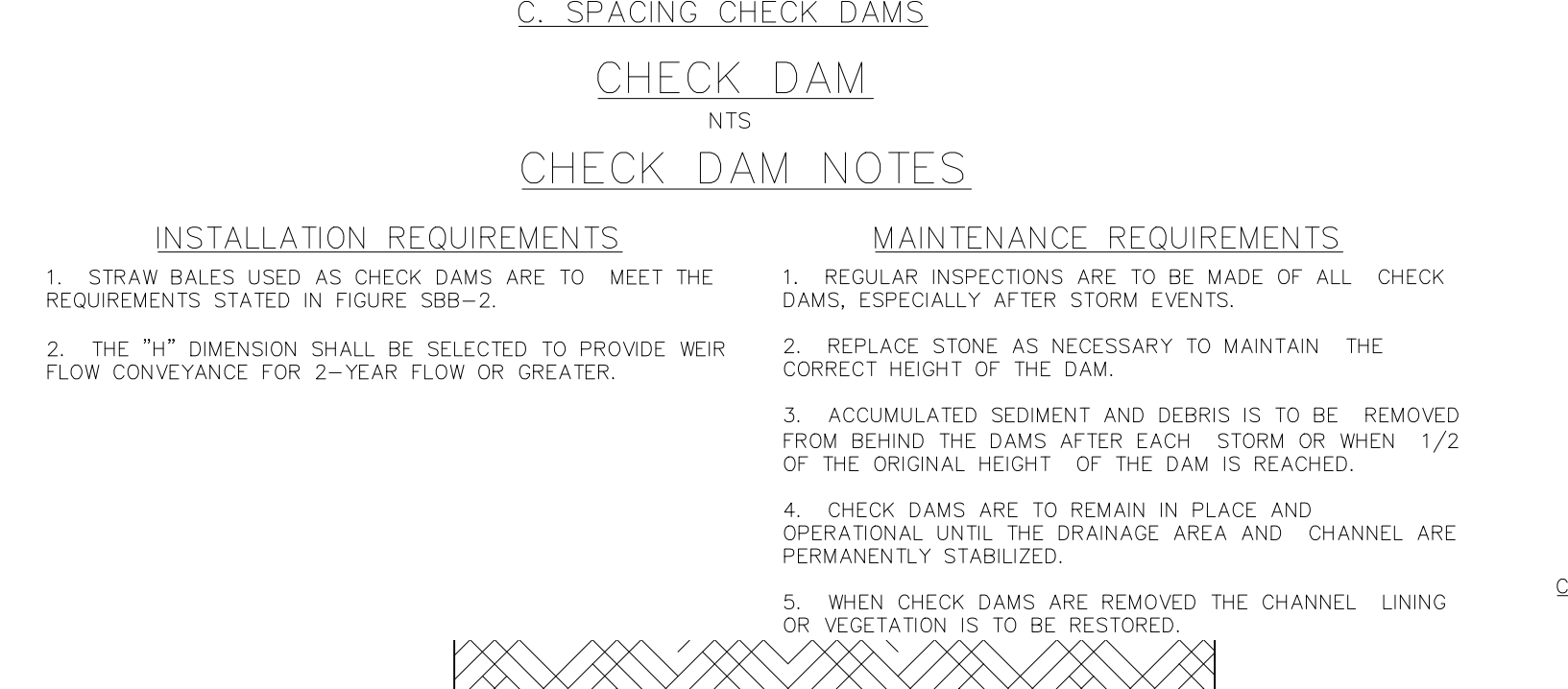
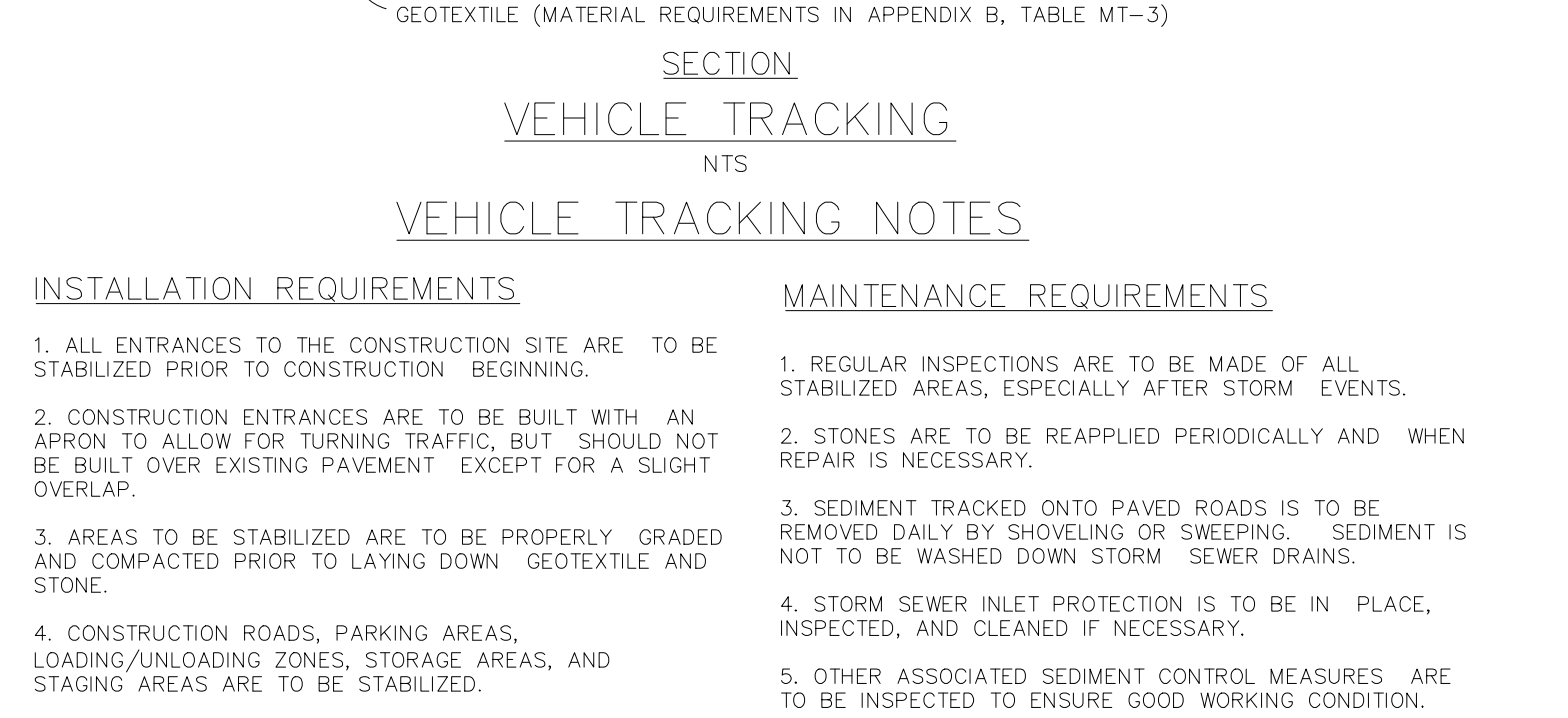
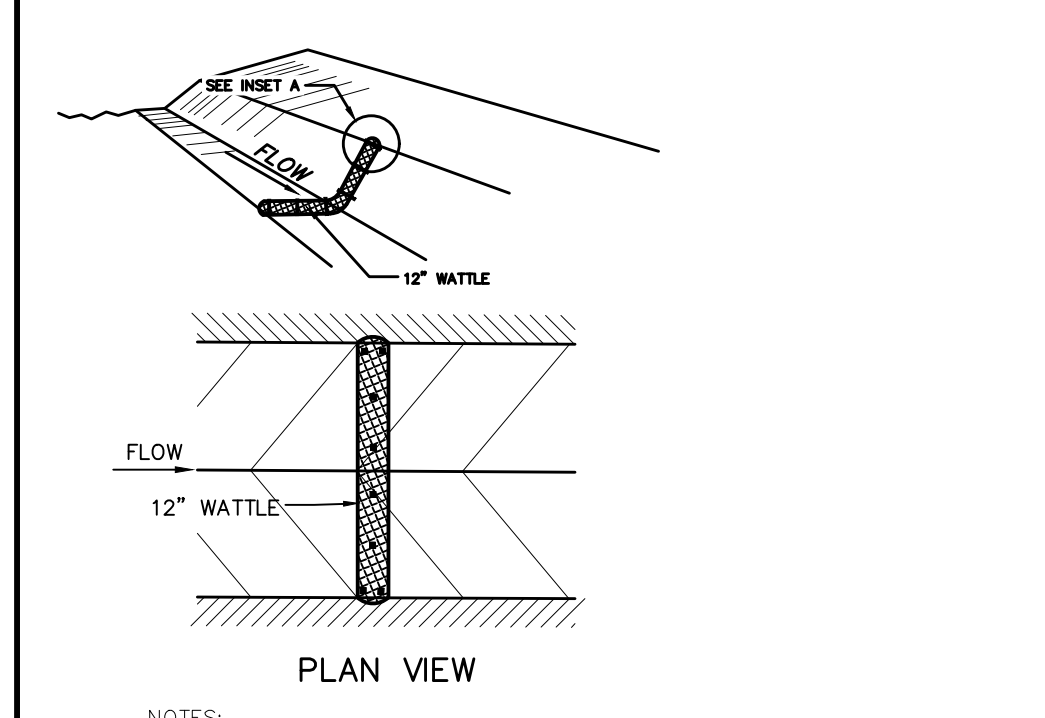
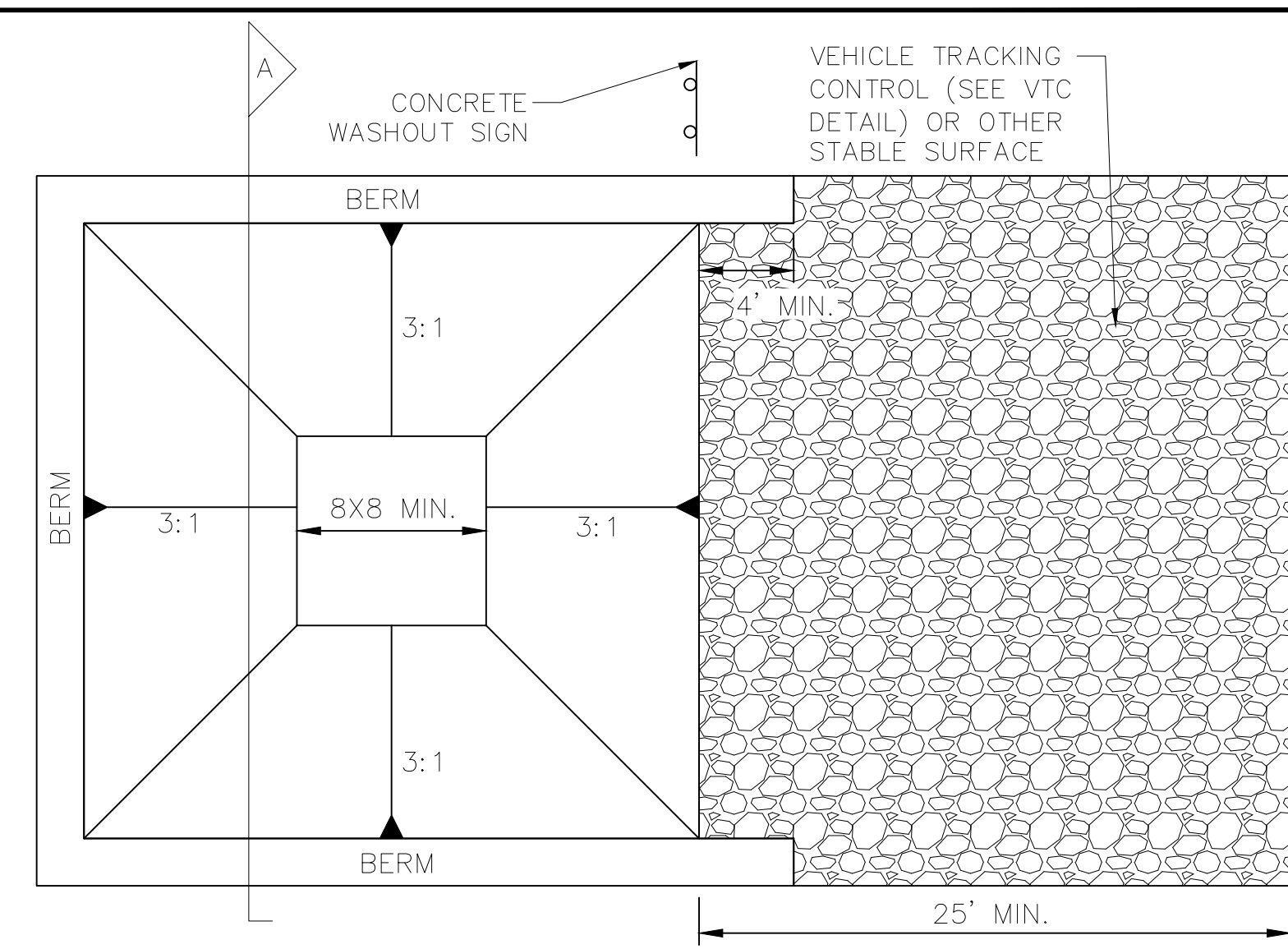
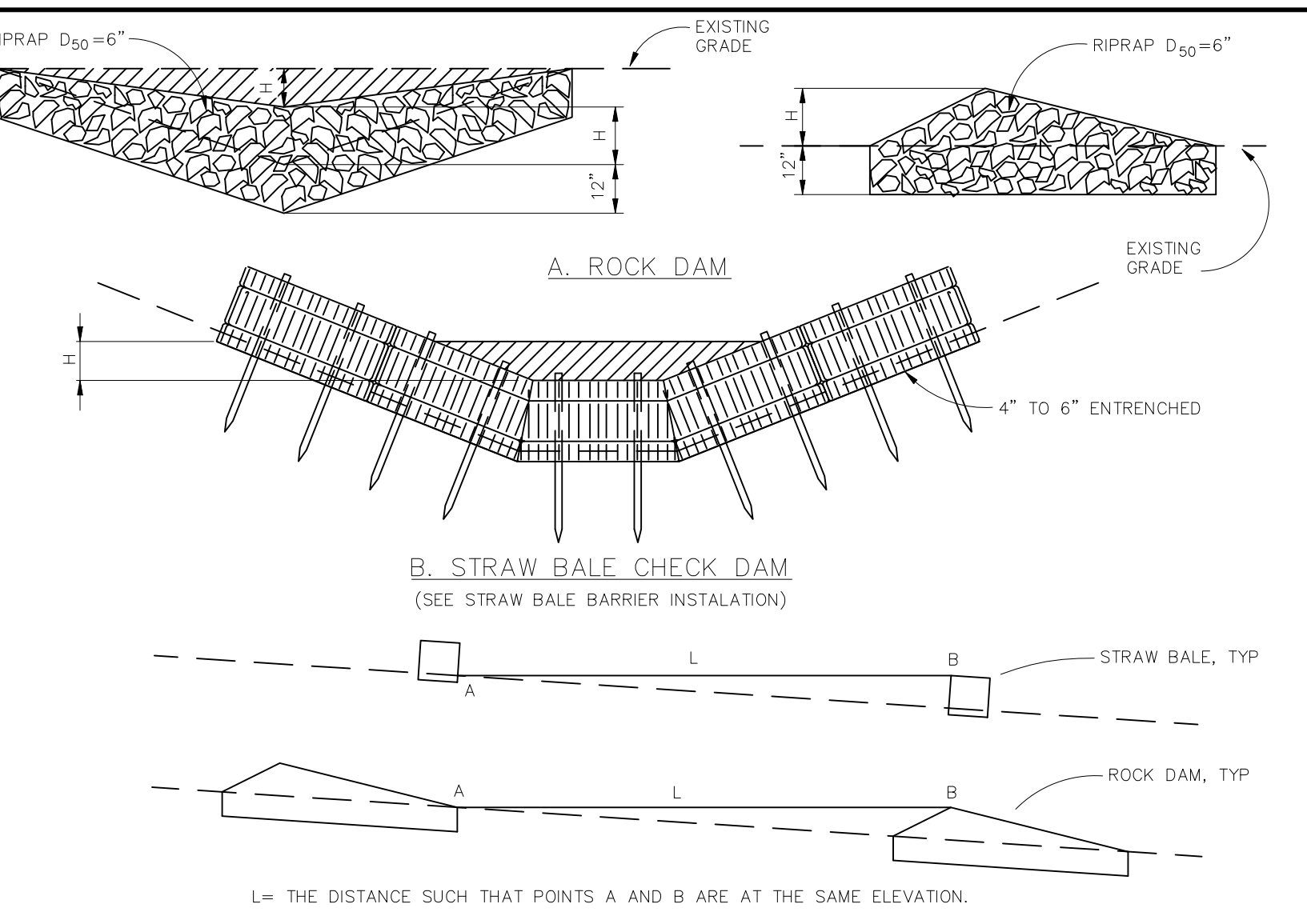
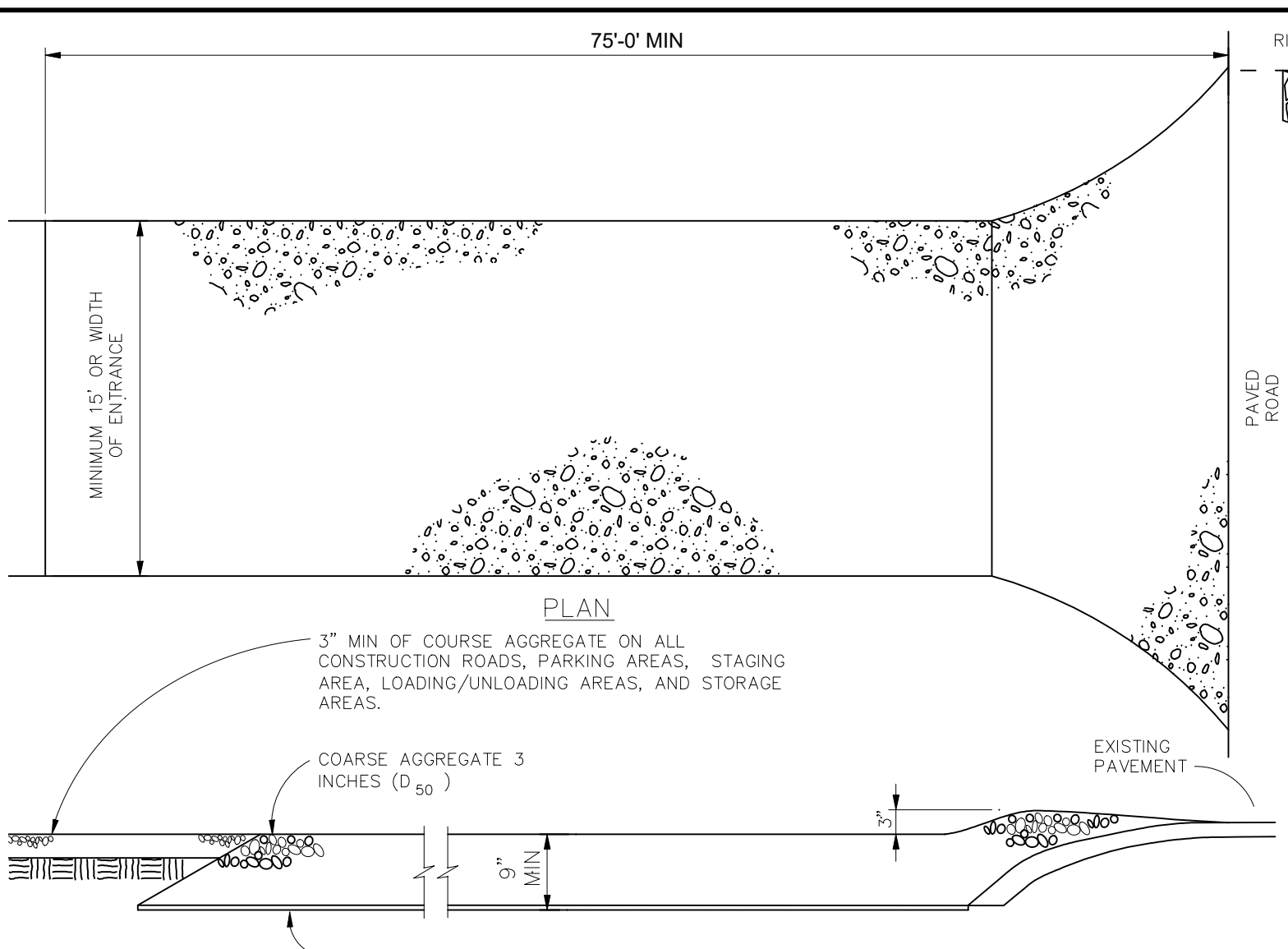
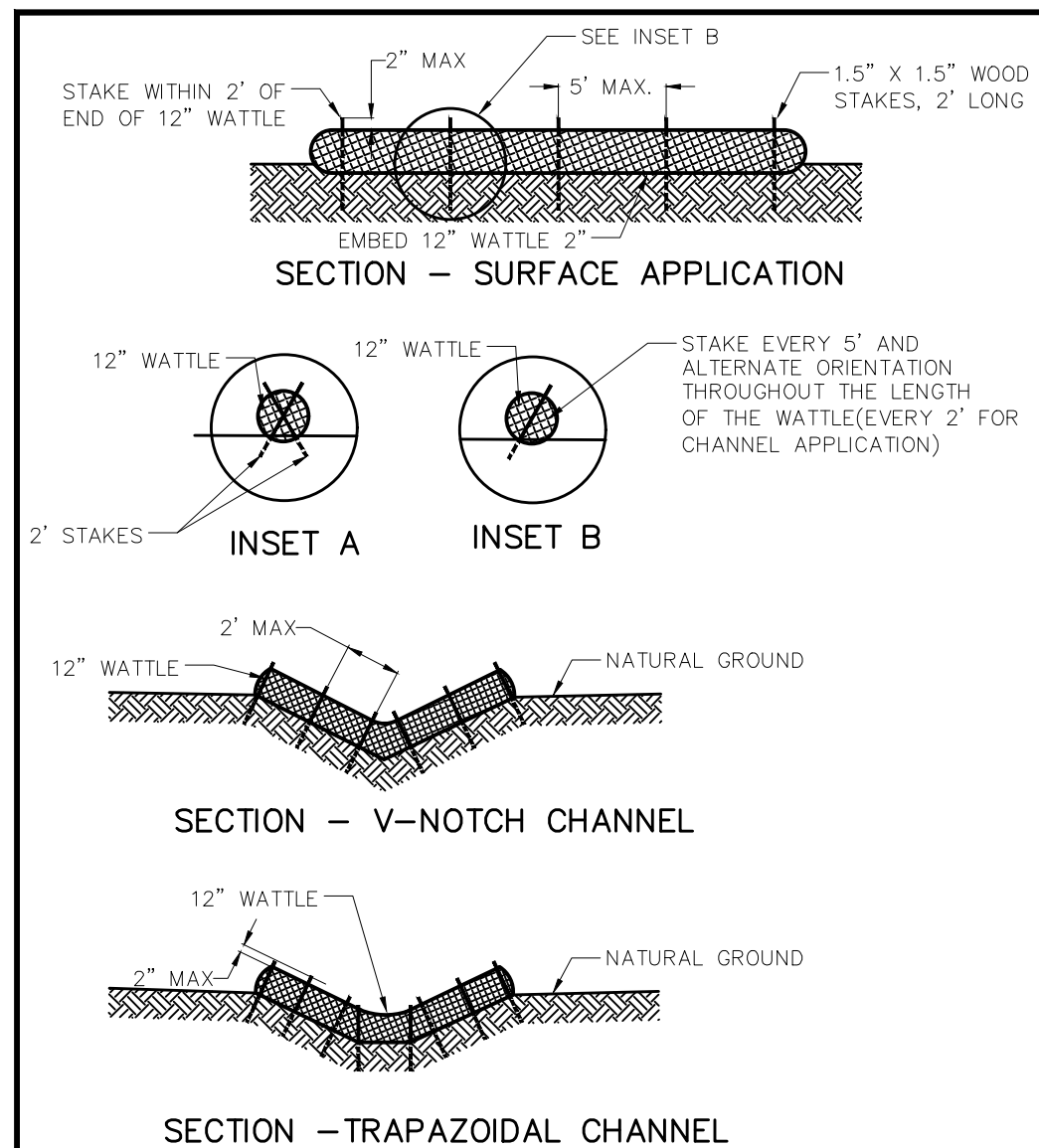
AREAS OF CUT 

AREAS OF FILL 



 **TWO WORKING DAYS BEFORE YOU DIG CALL 811**
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-622-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

Scale		AS SHOWN		38 of 40	
Drawn by	LOG	Checked by	TAK	Date	MAY 2022
THE SANCTUARY FILING 1 AT MERIDIAN RANCH GRADING/EROSION CONTROL PLAN CUT-FILL SHEET					
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444					
 MERIDIAN RANCH					
1					
2					
3					
4					
No.					
Revisions					
Date	Invt.	Appr.	Date		



TWO WORKING DAYS BEFORE YOU DIG CALL 811

OR UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987 (SEE COVER FOR LIST OF UTILITY CONTACTS)

TECH CONTRACTORS
11910 TOURMALINE DR. #130
FALCON, CO 80831
TELEPHONE: 719.495.7444

MERIDIAN RANCH

THE SANCTUARY FILING 1 AT MERIDIAN RANCH GRADING/EROSION CONTROL PLAN

CRADING DETAIL SHEET

Scale	AS SHOWN	40 of 40
Drawn by	Log	TKM
Checked by	TKM	DATE
		MAY 2022

CONCRETE WASHOUT AREA PLAN

NTS

12" TYP. 4:1. COMPACTED BERM AROUND THE PERIMETER. UNDISTURBED OR COMPACTED SOIL. 3:1. 3' MIN. 8X8 MIN. 3:1. 2% SLOPE.

VEHICLE TRACKING CONTROL (SEE VTC DETAIL)

CWA

CWA INSTALLATION NOTES:

1. SEE PLAN VIEW FOR CWA INSTALLATION LOCATION.
2. DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1000' OF ANY WELLS OR DRINKING WATER SOURCES, IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (18 MIL MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE SHOULD BE USED.
3. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
4. CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' X 8'. SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP.
5. BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE A MINIMUM HEIGHT OF 1'.
6. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.
7. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
8. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

CWA MAINTENANCE NOTES:

1. INSPECT BMPs EACH WORKDAY AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. THE CWA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS ACCUMULATED IN PIT SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 2'.
5. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER-TIGHT CONTAINER AND DISPOSED OF PROPERLY.
6. THE CWA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
7. WHEN THE CWA IS REMOVED, COVER THE DISTURBED AREA WITH TOPSOIL, SEED AND MULCH OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

VEHICLE TRACKING CONTROL (SEE VTC DETAIL)

CWA

STRAW BALE BARRIER

NTS

WOODEN OR METAL STAKES 2 PER BALE, MIN.

STRAW BALE TIGHTLY ABUTTED TO ADJACENT BALES.

42" MIN. 18" MIN.

No.	1	2	3	4
Revisions				
Date				
Appr.				
Date				