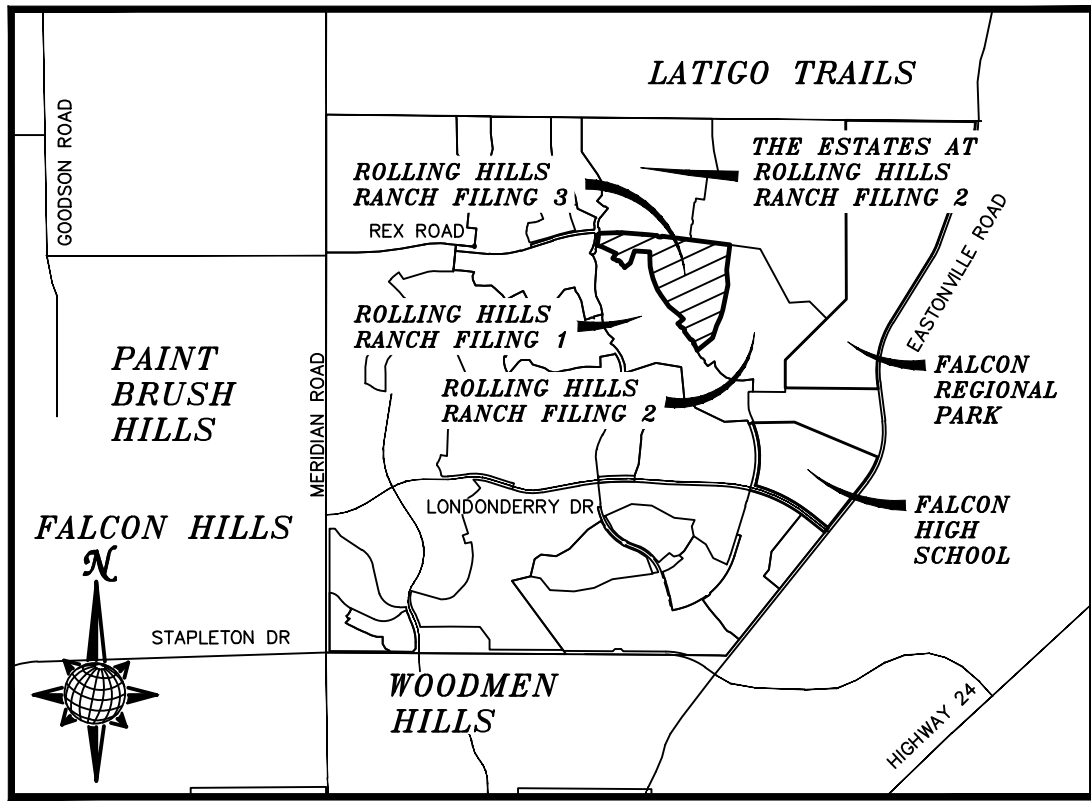


# CONSTRUCTION DRAWINGS FOR ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH

## IMPROVEMENT PLANS PREPARED FOR GTL, INC. DBA GTL DEVELOPMENT, INC.

A PARCEL OF LAND LOCATED IN A PORTION OF SECTION 20, IN TOWNSHIP  
12 SOUTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN,  
EL PASO COUNTY, STATE OF COLORADO.



## VICINITY MAP N.T.S.

SHEET NO	SHEET INDEX
1	COVER SHEET
2	INDEX SHEET
3	NOTES SHEET
4-5	DETAIL SHEETS
6-7	ROLLING RANCH DR.
8-9	CROOKED HILL DR.
10	PARKLAND DR. & EVENING CREEK DR.
11	MONUMENT VISTA DR.
12	CUATRO CAMINOS DR. & BLUFFPOINT DR.
13	CROOKED BLUFF DR.
14	COASTAL HILLS LN.
15	COASTAL HILLS LN. & STORM #1
16	OVERALL SANITARY SEWER
17	OVERALL SANITARY SEWER SERVICES
18	OVERALL UNDERDRAIN
19	UNDERDRAIN DETAILS
20	OVERALL WATER
21	OVERALL WATER SERVICES
22	OVERALL STORM DRAIN
23	GRADING INDEX SHEET
24-29	GRADING LAYOUTS
30	GRADING CUT-FILL LAYOUT
31-32	GRADING DETAIL SHEETS

### UTILITY CONTACTS:

WATER — MERIDIAN SERVICE METROPOLITAN DISTRICT  
POC: KEVIN FACKERELL  
(719)–495–6567

SANITARY SEWER — MERIDIAN SERVICE METROPOLITAN DISTRICT  
POC: BRADEN McCORRY  
(719)–495–6567

DRAINAGE — EL PASO COUNTY PCD/INSPECTIONS  
(719)–520–6300

DRAINAGE — MERIDIAN SERVICE METROPOLITAN DISTRICT  
POC: TOM KERBY  
(719)–495–7444

GAS — BLACK HILLS ENERGY  
(719)–393–6625

ELECTRIC — MOUNTAIN VIEW ELECTRIC ASSOC.  
(719)–495–2283

GEOTECHNICAL ENGINEER — ENTECH ENGINEERING, INC.  
(719)–531–5599

FALCON FIRE PROTECTION DISTRICT  
(719) 495–4050

### CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

### LEGAL DESCRIPTION:

KNOW ALL MEN BY THESE PRESENTS:  
THAT GTL, INC. DBA GTL DEVELOPMENT, INC., THEODORE TCHANG, PRESIDENT  
BEING THE OWNER OF THE FOLLOWING DESCRIBED TRACT OF LAND:

A PARCEL OF LAND LOCATED IN A PORTION OF SECTION 20,  
IN TOWNSHIP 12 SOUTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN,  
MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF TRACT F OF ROLLING HILLS  
RANCH FILING NO. 2, RECORDED WITH RECEPTION NO. \_\_\_\_\_ IN THE  
RECORDS OF EL PASO COUNTY; POINT BEING ON THE WESTERN BOUNDARY  
LINE OF SAID FILING AND THE EASTERLY RIGHT-OF-WAY LINE OF ROLLING  
PEAKS DRIVE AND EASTERLY BOUNDARY OF ROLLING HILLS RANCH FILING NO.  
1, RECORDED WITH RECEPTION NO. \_\_\_\_\_ IN THE RECORDS OF EL  
PASO COUNTY AND A CURVE TO THE LEFT;

THE FOLLOWING THIRTY FIVE (35) COURSES ARE ON SAID BOUNDARY LINE:

1. THENCE ON THE ARC OF SAID CURVE, HAVING A RADIUS OF 430.00 FEET,  
A DELTA ANGLE OF 19°11'01", AN ARC LENGTH OF 143.97 FEET, WHOSE  
LONG CHORD BEARS N27°43'13"W A DISTANCE OF 143.30 FEET TO A  
REVERSE CURVE TO THE LEFT;
2. THENCE N37°18'43"W A DISTANCE OF 5.00 FEET;
3. THENCE N07°41'17"E A DISTANCE OF 31.11 FEET;
4. THENCE N37°18'43"W A DISTANCE OF 60.00 FEET;
5. THENCE N82°18'43"W A DISTANCE OF 31.11 FEET;
6. THENCE N37°18'43"W A DISTANCE OF 196.00 FEET;
7. THENCE N07°41'17"E A DISTANCE OF 31.11 FEET;
8. THENCE N37°18'43"W A DISTANCE OF 60.00 FEET;
9. THENCE N82°18'43"W A DISTANCE OF 31.11 FEET;
10. THENCE N37°18'43"W A DISTANCE OF 12.18 FEET TO A CURVE TO THE  
LEFT;
11. THENCE ON THE ARC OF SAID CURVE, HAVING A RADIUS OF 730.00 FEET,  
A DELTA ANGLE OF 06°45'05", AN ARC LENGTH OF 86.02 FEET, WHOSE  
LONG CHORD BEARS N40°41'16"W A DISTANCE OF 85.97 FEET;
12. THENCE N49°29'46"E A DISTANCE OF 137.49 FEET;
13. THENCE N44°03'58"W A DISTANCE OF 123.26 FEET;
14. THENCE N51°02'42"W A DISTANCE OF 252.48 FEET;
15. THENCE N36°17'59"W A DISTANCE OF 267.98 FEET;
16. THENCE N31°18'00"W A DISTANCE OF 60.00 FEET;
17. THENCE N32°36'03"W A DISTANCE OF 70.02 FEET;
18. THENCE N23°19'51"W A DISTANCE OF 116.44 FEET;
19. THENCE N20°13'56"W A DISTANCE OF 117.82 FEET;
20. THENCE N16°17'16"W A DISTANCE OF 124.13 FEET;
21. THENCE N10°51'24"W A DISTANCE OF 125.09 FEET;
22. THENCE N01°44'05"W A DISTANCE OF 145.89 FEET;
23. THENCE N00°12'17"E A DISTANCE OF 140.80 FEET;
24. THENCE N86°03'00"W A DISTANCE OF 305.00 FEET;
25. THENCE S18°34'24"W A DISTANCE OF 254.62 FEET;
26. THENCE S52°12'07"W A DISTANCE OF 140.63 FEET TO A NON-TANGENT  
CURVE TO THE LEFT;
27. THENCE ON THE ARC OF SAID CURVE, HAVING A RADIUS OF 580.00 FEET,  
A DELTA ANGLE OF 09°42'05", AN ARC LENGTH OF 98.21 FEET, WHOSE  
LONG CHORD BEARS N42°38'56"W A DISTANCE OF 98.09 FEET;
28. THENCE N05°36'43"W A DISTANCE OF 32.19 FEET;
29. THENCE N52°38'16"W A DISTANCE OF 60.00 FEET;
30. THENCE S80°20'11"W A DISTANCE OF 32.19 FEET TO A NON-TANGENT  
CURVE TO THE LEFT;
31. THENCE ON THE ARC OF SAID CURVE, HAVING A RADIUS OF 580.00 FEET,  
A DELTA ANGLE OF 07°50'52", AN ARC LENGTH OF 79.44 FEET, WHOSE  
LONG CHORD BEARS N61°42'00"W A DISTANCE OF 79.38 FEET;
32. THENCE N65°37'27"W A DISTANCE OF 20.18 FEET;
33. THENCE N37°21'44"E A DISTANCE OF 123.15 FEET;
34. THENCE N65°37'27"W A DISTANCE OF 315.00 FEET;
35. THENCE N72°14'13"W A DISTANCE OF 102.16 FEET TO A POINT ON THE  
EASTERLY RIGHT-OF-WAY LINE OF SUNRISE RIDGE DRIVE AND EASTERLY  
BOUNDARY LINE OF THE ESTATES AT ROLLING HILLS RANCH FILING NO. 1,  
RECORDED WITH RECEPTION NO. \_\_\_\_\_ IN THE RECORDS OF EL  
PASO COUNTY AND A NON-TANGENT CURVE TO THE LEFT;

### BASIS OF BEARING

BASIS OF BEARINGS FOR THIS DESCRIPTION IS THE SOUTH LINE OF THE SOUTHWEST  
QUARTER OF SECTION 29, T12S, R64W OF THE 6TH P.M., WHICH IS ASSUMED TO BEAR  
S89°25'42"E FROM THE SOUTHWEST CORNER OF SECTION 29 (A STONE W/SCRIBED "X")  
TO THE SOUTH QUARTER CORNER OF SECTION 29 (3.25" ALUM. CAP LS 30087).



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)

THE FOLLOWING TWO (2) COURSES ARE ON SAID BOUNDARY LINE:

36. THENCE ON THE ARC OF SAID CURVE, HAVING A RADIUS OF 630.00 FEET,  
A DELTA ANGLE OF 19°34'09", AN ARC LENGTH OF 215.17 FEET, WHOSE  
LONG CHORD BEARS N07°58'43"E A DISTANCE OF 214.13 FEET;
37. THENCE N42°56'08"E A DISTANCE OF 31.12 FEET TO A POINT ON THE  
SOUTHERLY RIGHT-OF-WAY LINE OF REX ROAD AND SOUTHERLY  
BOUNDARY LINE OF THE ESTATES AT ROLLING HILLS RANCH FILING NO.  
RECORDED WITH RECEPTION NO. \_\_\_\_\_ IN THE RECORDS OF EL  
PASO COUNTY;

THE FOLLOWING NINE (9) CORSES ARE ON SAID BOUNDARY LINE

38. THENCE N87°55'36"E A DISTANCE OF 348.00 FEET TO A CURVE TO THE  
RIGHT;
39. THENCE ON THE ARC OF SAID CURVE, HAVING A RADIUS OF 900.00 FEET,  
A DELTA ANGLE OF 06°09'39", AN ARC LENGTH OF 96.77 FEET, WHOSE  
LONG CHORD BEARS S88°59'34"E A DISTANCE OF 96.73 FEET;
40. THENCE S85°54'45"E A DISTANCE OF 400.64 FEET TO A CURVE TO THE  
RIGHT;
41. THENCE ON THE ARC OF SAID CURVE, HAVING A RADIUS OF 7440.00  
FEET, A DELTA ANGLE OF 02°14'02", AN ARC LENGTH OF 290.08 FEET,  
WHOSE LONG CHORD BEARS S84°47'44"E A DISTANCE OF 290.06 FEET;
42. THENCE S38°26'09"E A DISTANCE OF 31.03 FEET;
43. THENCE S83°16'41"E A DISTANCE OF 60.00 FEET;
44. THENCE N51°52'47"E A DISTANCE OF 31.03 FEET TO A NON-TANGENT  
CURVE TO THE RIGHT;
45. THENCE ON THE ARC OF SAID CURVE, HAVING A RADIUS OF 7440.00  
FEET, A DELTA ANGLE OF 00°18'41", AN ARC LENGTH OF 40.44 FEET,  
WHOSE LONG CHORD BEARS S82°43'19"E A DISTANCE OF 40.44 FEET;
46. THENCE S82°33'58"E A DISTANCE OF 518.76 FEET;
47. THENCE S82°33'58"E A DISTANCE OF 782.00 FEET;
48. THENCE S07°26'02"W A DISTANCE OF 500.00 FEET;
49. THENCE S04°57'36"E A DISTANCE OF 290.00 FEET;
50. THENCE S11°42'15"W A DISTANCE OF 500.00 FEET;
51. THENCE S16°41'21"W A DISTANCE OF 150.00 FEET;
52. THENCE S24°44'20"W A DISTANCE OF 200.00 FEET;
53. THENCE S17°50'28"W A DISTANCE OF 60.00 FEET;
54. THENCE S17°50'28"W A DISTANCE OF 180.00 FEET;
55. THENCE S05°35'03"W A DISTANCE OF 388.67 FEET TO THE POINT OF  
BEGINNING;

THE ABOVE PARCEL OF LAND CONTAINS 64.773 ACRES, MORE OR LESS.

- Based on the projected short-term total traffic volumes and the criteria contained in the *ECM*, an eastbound right-turn deceleration lane is required on Rex Road approaching Rolling Ridge Drive. Based on the criteria contained in the *ECM*, this lane should be 155 feet long, plus a 160-foot taper.

### ROADWAY CLASSIFICATIONS

Please refer to the RUD TIS for the recommended internal street classifications for Filing No. 3

Provide EBRT Decel  
Lane on Rex Road  
approaching Rolling  
Ridge Drive per the  
TIS.

### DEVELOPERS STATEMENT:

#### DEVELOPERS STATEMENT:

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE  
REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE  
REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

RAUL GUZMAN, VICE PRESIDENT  
GTL DEVELOPMENT, INC.

DATE

### OWNERS STATEMENT:

#### OWNERS STATEMENT:

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE  
REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE  
REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

RAUL GUZMAN, VICE PRESIDENT  
MERIDIAN RANCH INVESTMENTS, INC.

DATE

#### DESIGN ENGINEER'S STATEMENT:

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID DETAILED PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

THOMAS A. KERBY, P.E. #31429

#### 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, 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 BEEN STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES **ET** THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

JENNIFER IRVINE, P.E.  
COUNTY ENGINEER / ECM ADMINISTRATOR

DATE

Revise typo. Should be:  
"AT"

MERIDIAN RANCH

ROLLING HILLS RANCH FILING 3  
AT MERIDIAN RANCH  
STREET AND UTILITY PLANS

COVER SHEET

Drawn by  
Loc  
Checked by  
TAK  
Date  
MAR 2021

Scale  
AS SHOWN  
1 of 32

Date  
Init.  
Appr.

Revisions

TECH CONTRACTORS  
11886 STAPLETON DRIVE  
FALCON, CO 80831  
TELEPHONE  
719.495.7444  
FAX  
719.495.2457

MERIDIAN RANCH

ROLLING HILLS RANCH FILING 3  
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MERIDIAN RANCH

MERIDIAN RANCH  
FILING 9

THE ESTATES AT  
ROLLING HILLS  
RANCH FILING 2



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)

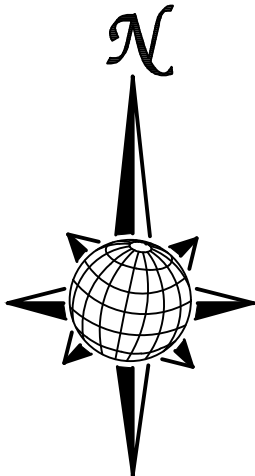
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ROLLING HILLS  
RANCH FILING 1

ROLLING HILLS  
RANCH FILING 2

ROLLING HILLS  
RANCH FILING 1

UNPLATTED



GRAPHIC SCALE

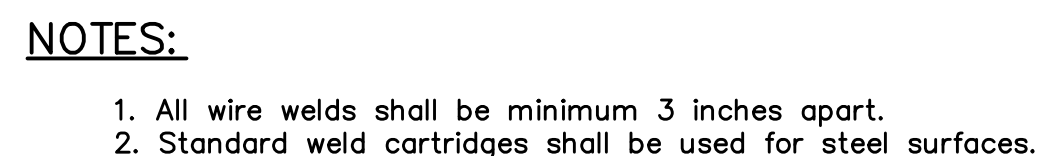
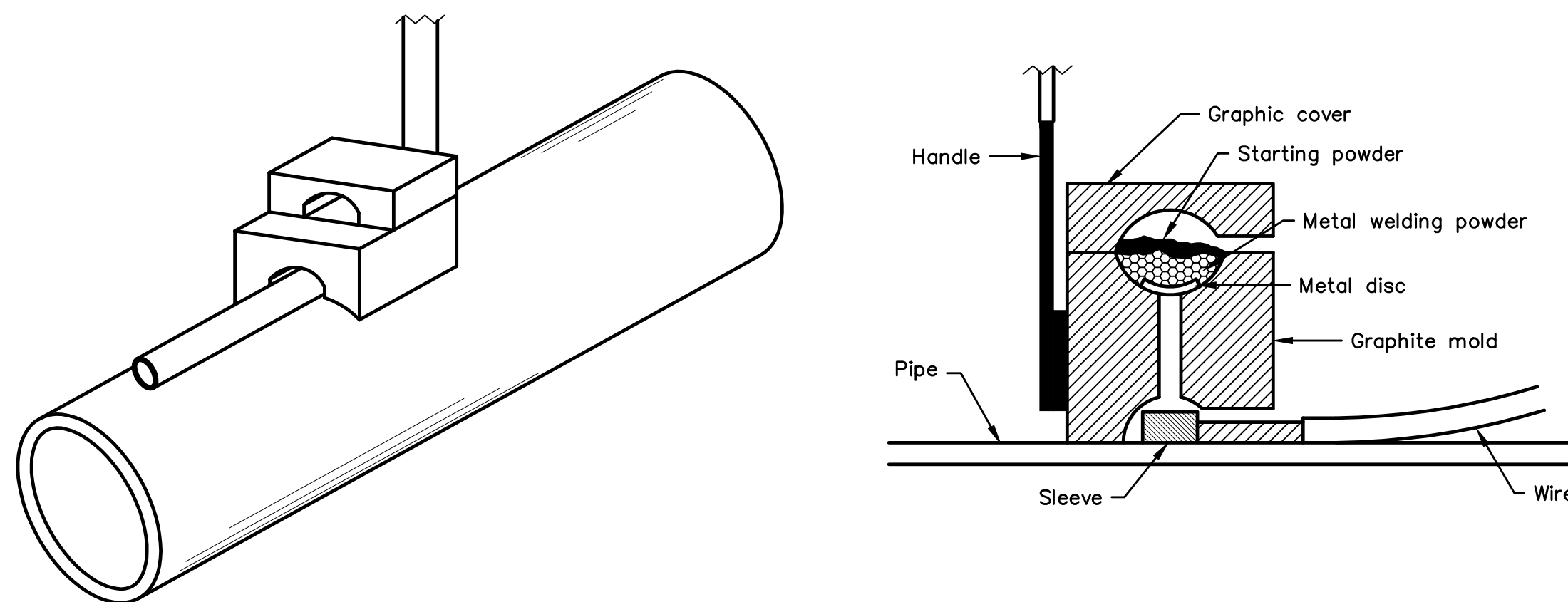
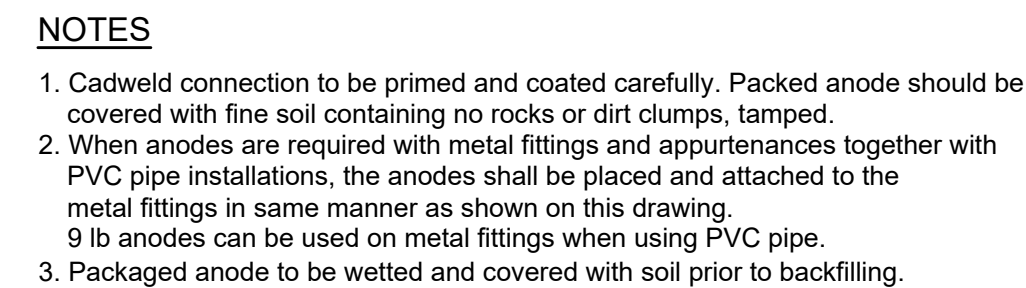
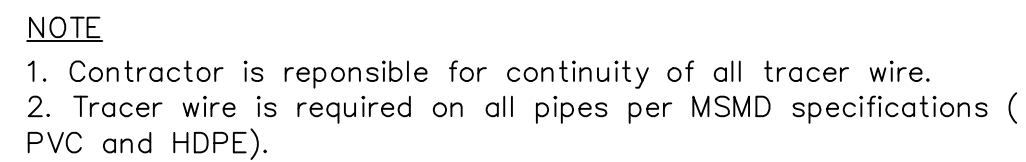
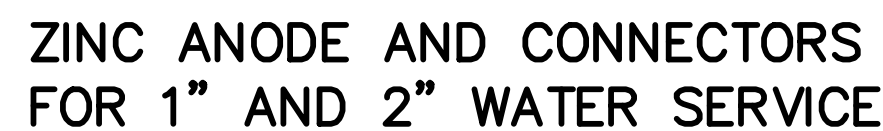


( IN FEET )  
1 inch = 200 ft.

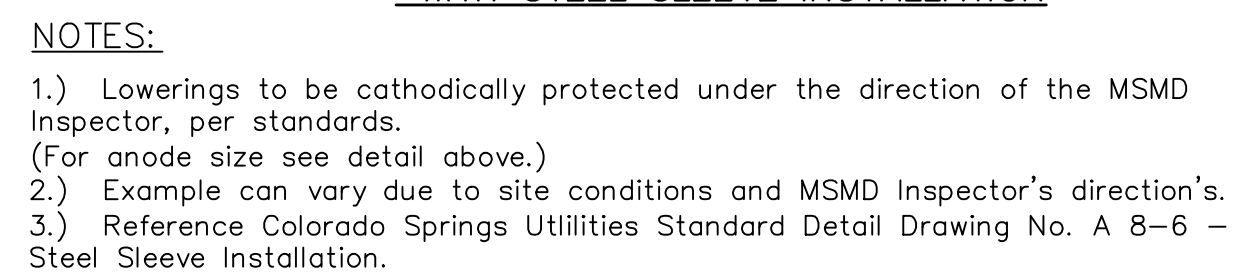
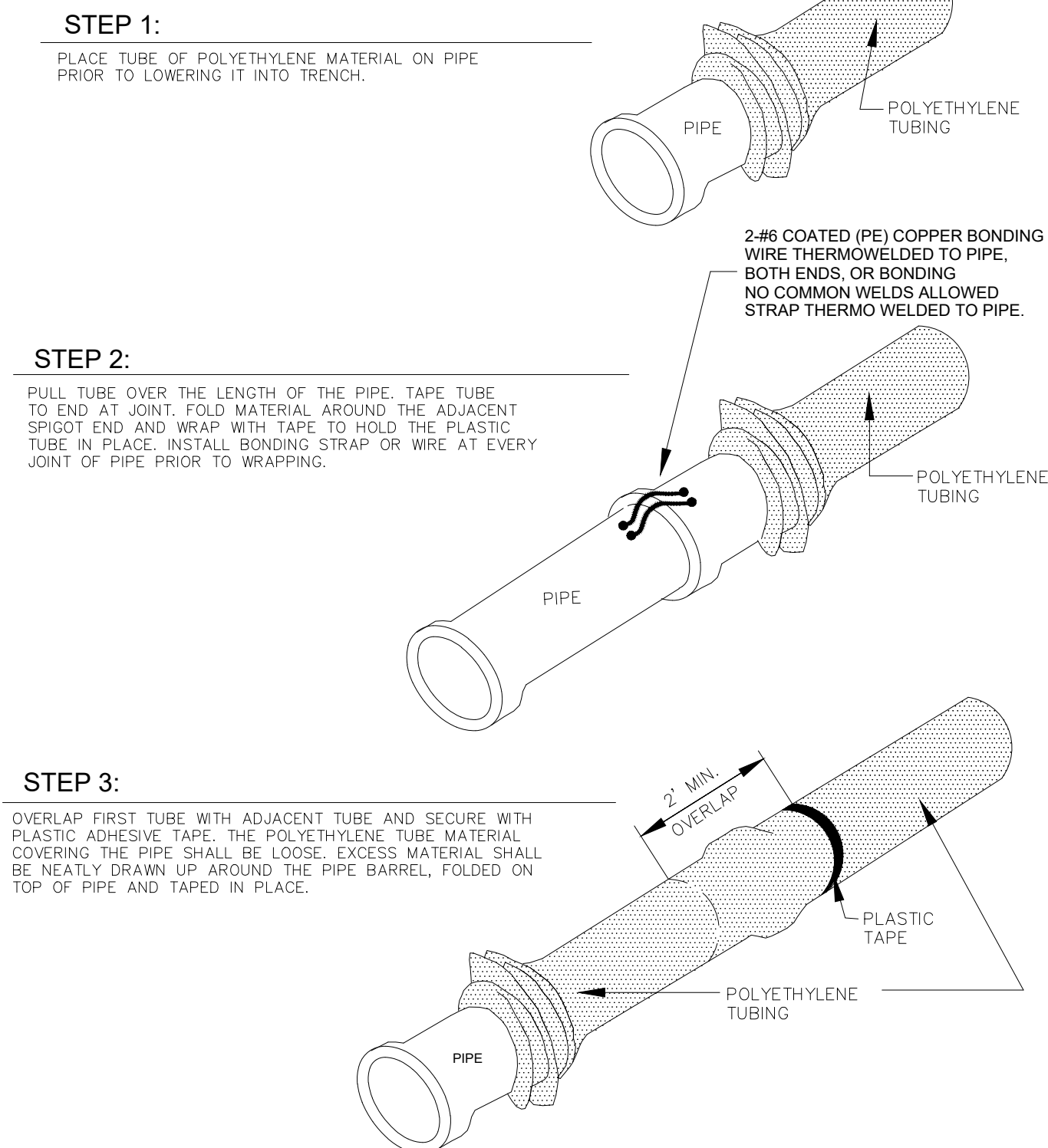
Scale AS SHOWN	2 of 32	Drawn by LCS	Checked by TAK	Date MAR 2021	ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH STREET AND UTILITY PLANS INDEX SHEET				MERIDIAN RANCH				TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE 719.495.7444 FAX 719.495.2457				1 2 3 4 No.				Revisions				Date	Init.	Appr.	Date





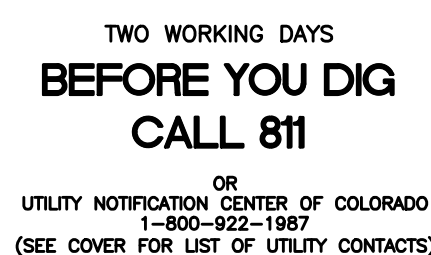
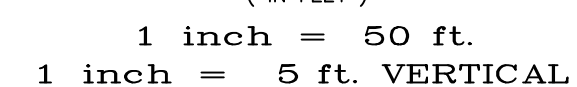


## EXOTHERMIC WELD PROCESS



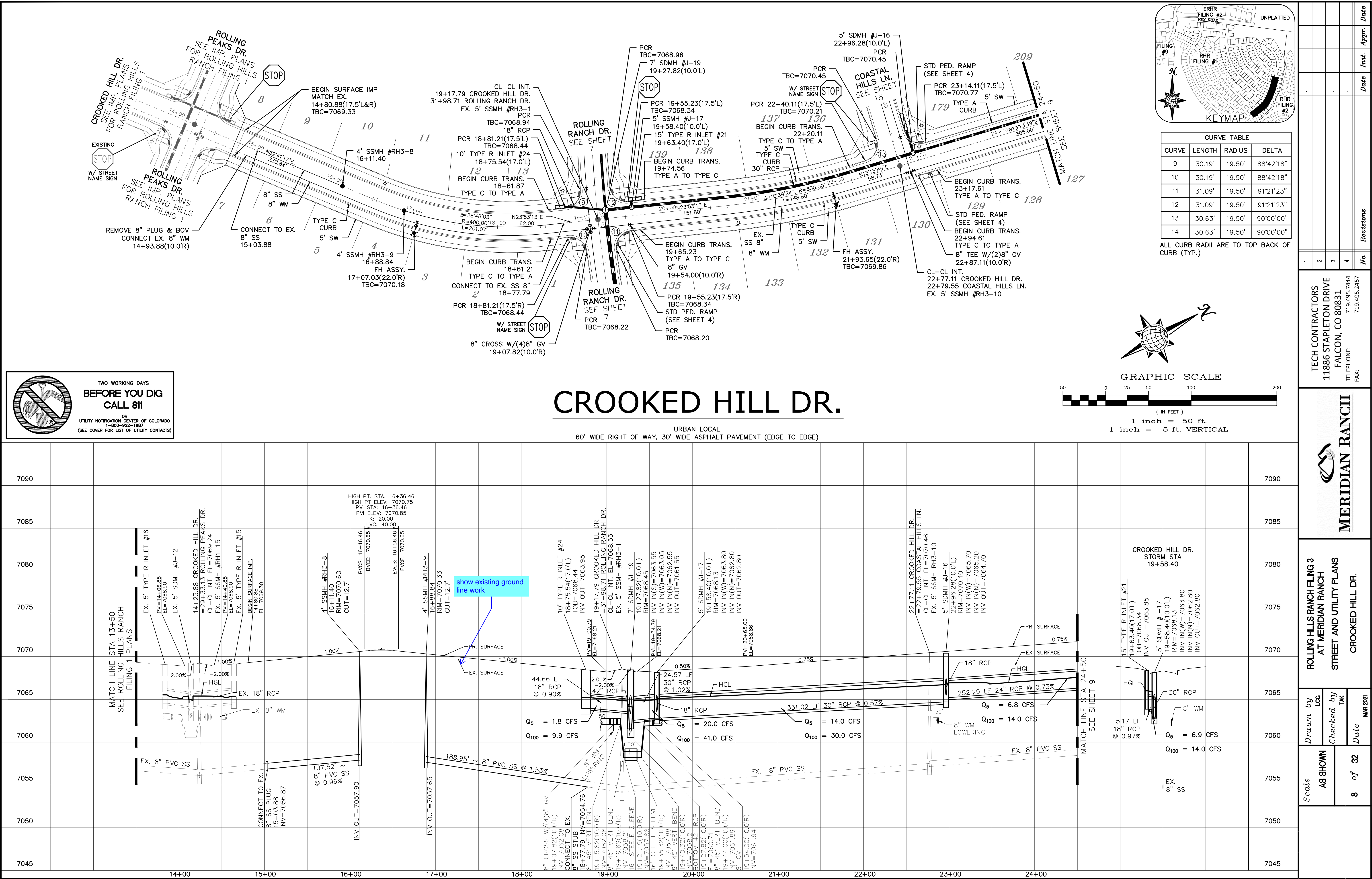
<div>Scale</div> <div>AS SHOWN</div>	Drawn by	ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH STREET AND UTILITY PLANS  DETAIL SHEET	<div></div> <div>MERIDIAN RANCH</div>	TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457				1	-		
	LOG			2	-						
	Checked by			3	-						
	TAK			4	-						
	Date			5 of 32		No.	Revisions	Date	Inlt.	Appr.	Date
MAR 2021											



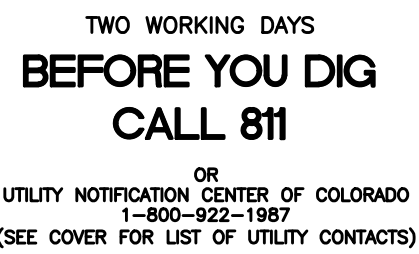


URBAN LOCAL  
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)

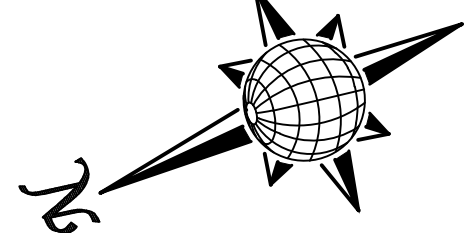
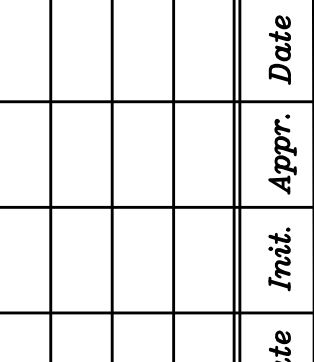








ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)



# EVENING CREEK DR.

URBAN LOCAL  
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



ROLLING HILLS RANCH FILING 3  
AT MERIDIAN RANCH  
STREET AND UTILITY PLANS

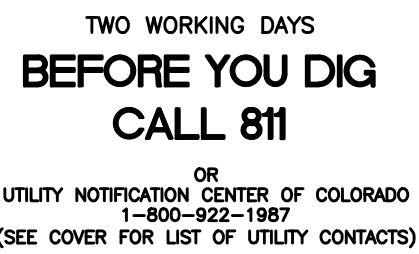
PARKLAND DR. +  
EVENING CREEK DR.

Drawn by  
LOG

Checked by  
TAK

Date  
MAR 2021

<i>Scale</i>	AS SHOWN
	10 of 32



URBAN LOCAL  
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



**TECH CONTRACTORS**  
**11886 STAPLETON DRIVE**  
**FALCON, CO 80831**  
**TELEPHONE: 719.495.7444**  
**FAX: 719.495.2457**



ROLLING HILLS RANCH FILING 3  
AT MERIDIAN RANCH  
STREET AND UTILITY PLANS  
MONUMENT VISTA DR.

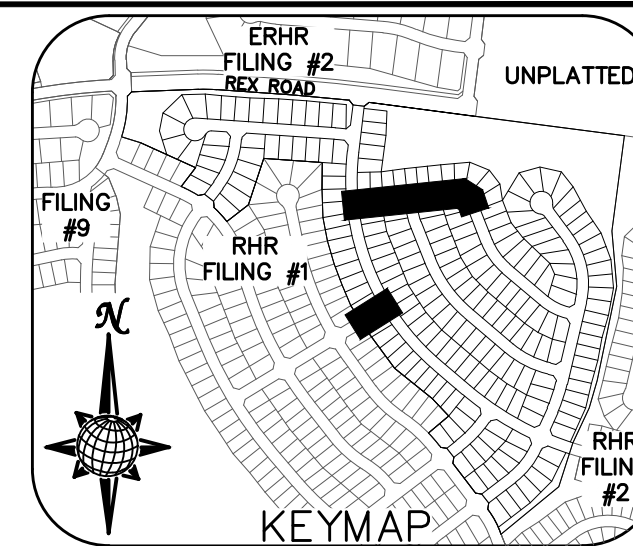
Scale AS SHOWN	11 of 32	Drawn by	LOG
		Checked by	TAK
		Date	MAR 2021



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

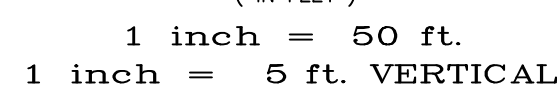
INSTALL CROSS PAN  
PER COUNTY STD  
SD-2-26

- |   |   |         |
|---|---|---------|
| 1 | = | 7092.95 |
| 2 | = | 7092.78 |
| 3 | = | 7092.62 |



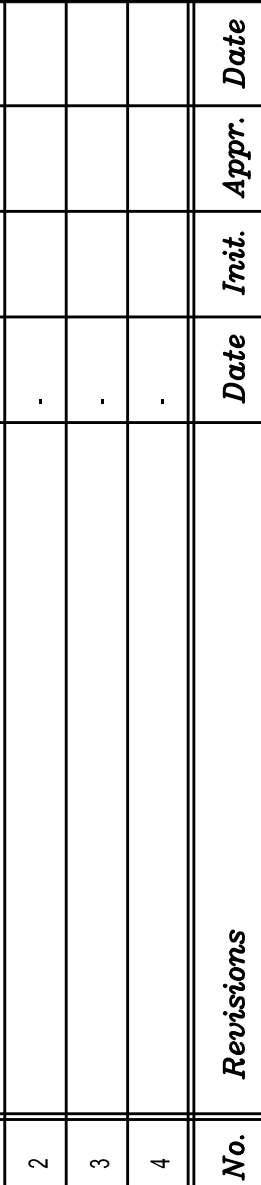
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
3	31.22'	19.50'	91'43"36"
4	31.22'	19.50'	91'43"36"
5	30.08'	19.50'	88'22"18"
6	30.08'	19.50'	88'22"18"
20	30.63'	19.50'	90'00"00"
21	30.63'	19.50'	90'00"00"
22	44.90'	34.50'	74'34"26"
23	25.50'	67.50'	21'38"33"
24	107.99'	52.50'	117'51"32"
25	25.50'	67.50'	21'38"33"

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



URBAN LOCAL  
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)

URBAN LOCAL  
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



**TECH CONTRACTORS**  
**11886 STAPLETON DRIVE**  
**FALCON, CO 80831**  
**TELEPHONE: 719.495.7444**  
**FAX: 719.495.2457**

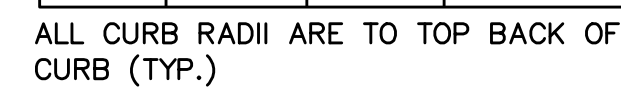
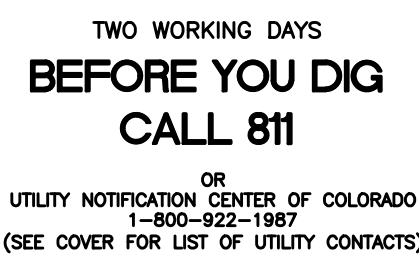

**MERIDIAN RANCH**

ROLLING HILLS RANCH FILING 3  
AT MERIDIAN RANCH  
STREET AND UTILITY PLANS  
CUATRO CAMINOS DR.  
+ BLUFFPOINT DR

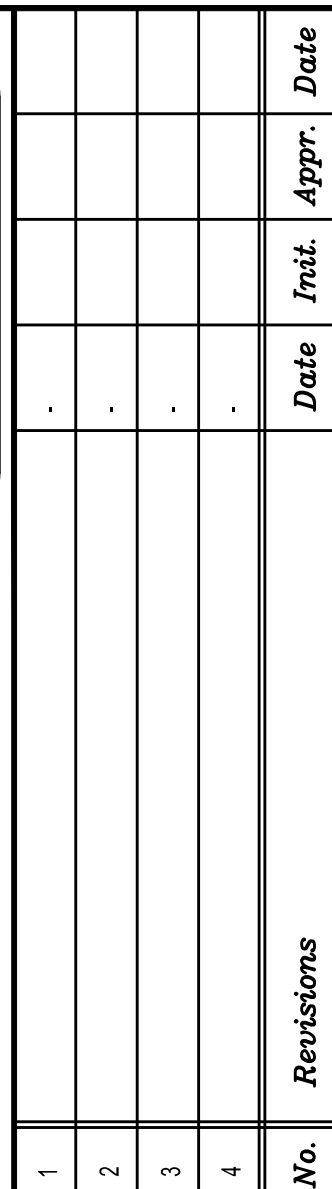
Drawn by	LOG
Checked by	TAK
Date	MAR 2021

Scale  
AS SHOWN  
12 of 32

PCD PROJECT NO. EGP-XX-XX)



URBAN LOCAL  
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



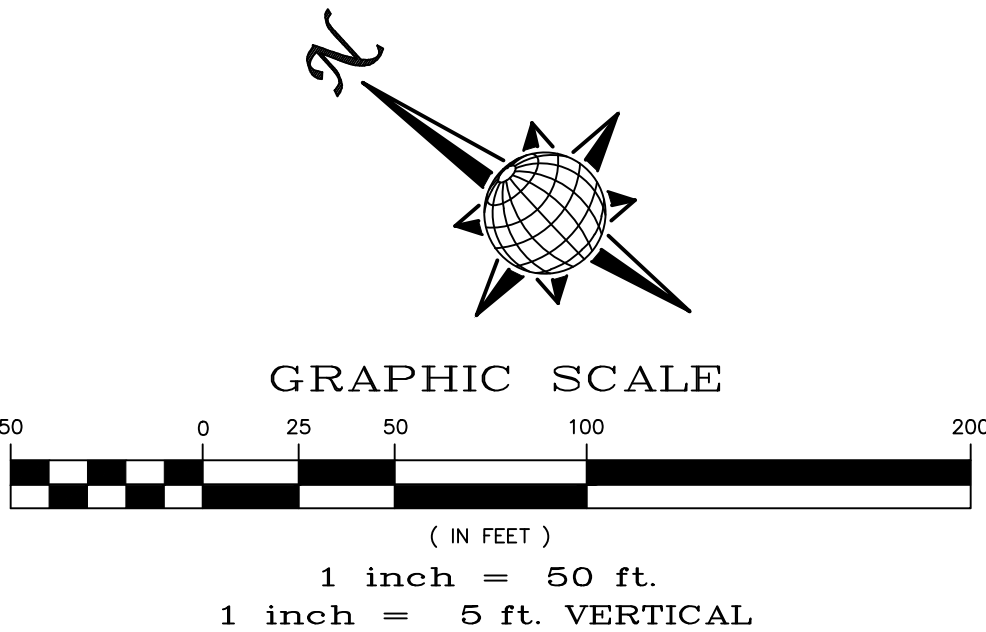
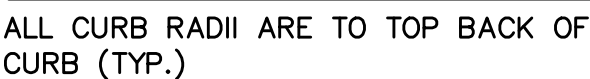
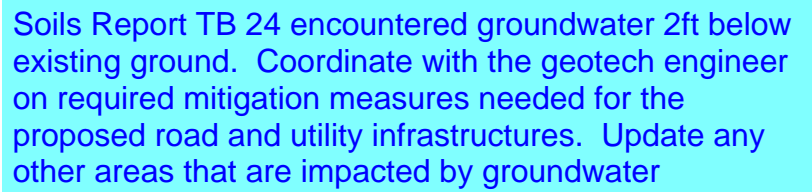
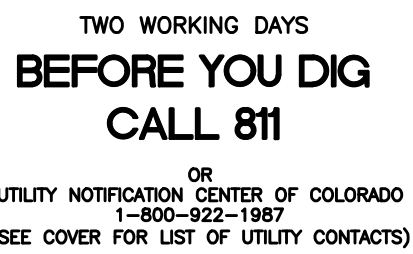
**TECH CONTRACTORS**  
**11886 STAPLETON DRIVE**  
**FALCON, CO 80831**  
**TELEPHONE: 719.495.7444**  
**FAX: 719.495.2457**

**MERIDIAN RANCH**

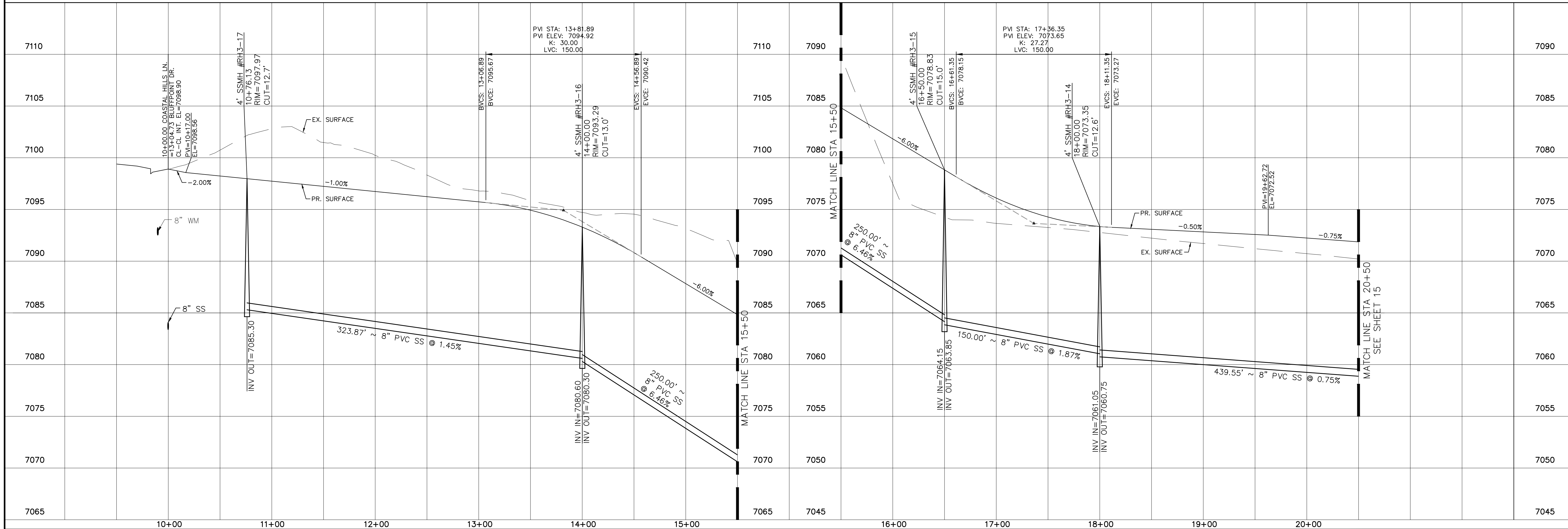
ROLLING HILLS RANCH FILING 3  
AT MERIDIAN RANCH  
STREET AND UTILITY PLANS  
CROOKED BLUFF DR.


Drawn by LOG	Checked by TAK	Date MAR 2021
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<p>ale</p> <p>AS SHOWN</p>	<p>of 32</p>
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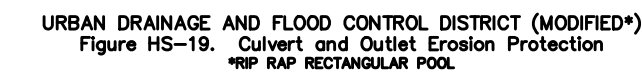
URBAN LOCAL  
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



Scale AS SHOWN	Drawn by LOG	ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH STREET AND UTILITY PLANS COASTAL HILLS LN.	 <b>MERIDIAN RANCH</b>	TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457	1	-				
	Checked by TAK				2	-				
	Date				3	-				
	14 of 32				4	-				
									No.	Revisions



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



NOTES:

1. Headwall with wingwalls or flared end section required at all culvert outlets.
2. Provide joint fasteners for flared end sections.

STORM #1

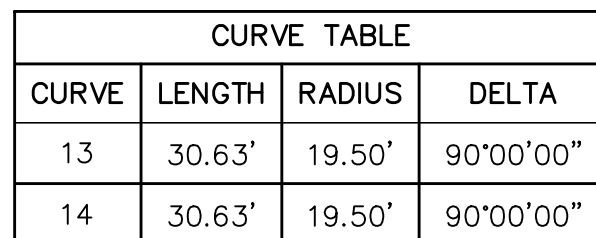
PIPE OUTLET	L	W	d	TYPE	D <sub>50</sub>	CY	Y	NOTES
36"	8.5	8.0	1.0	M	1.0'	7.1	3.0'	SEE ABOVE



( IN FEET )

1 inch = 50 ft.

1 inch = 5 ft. VERTICAL



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

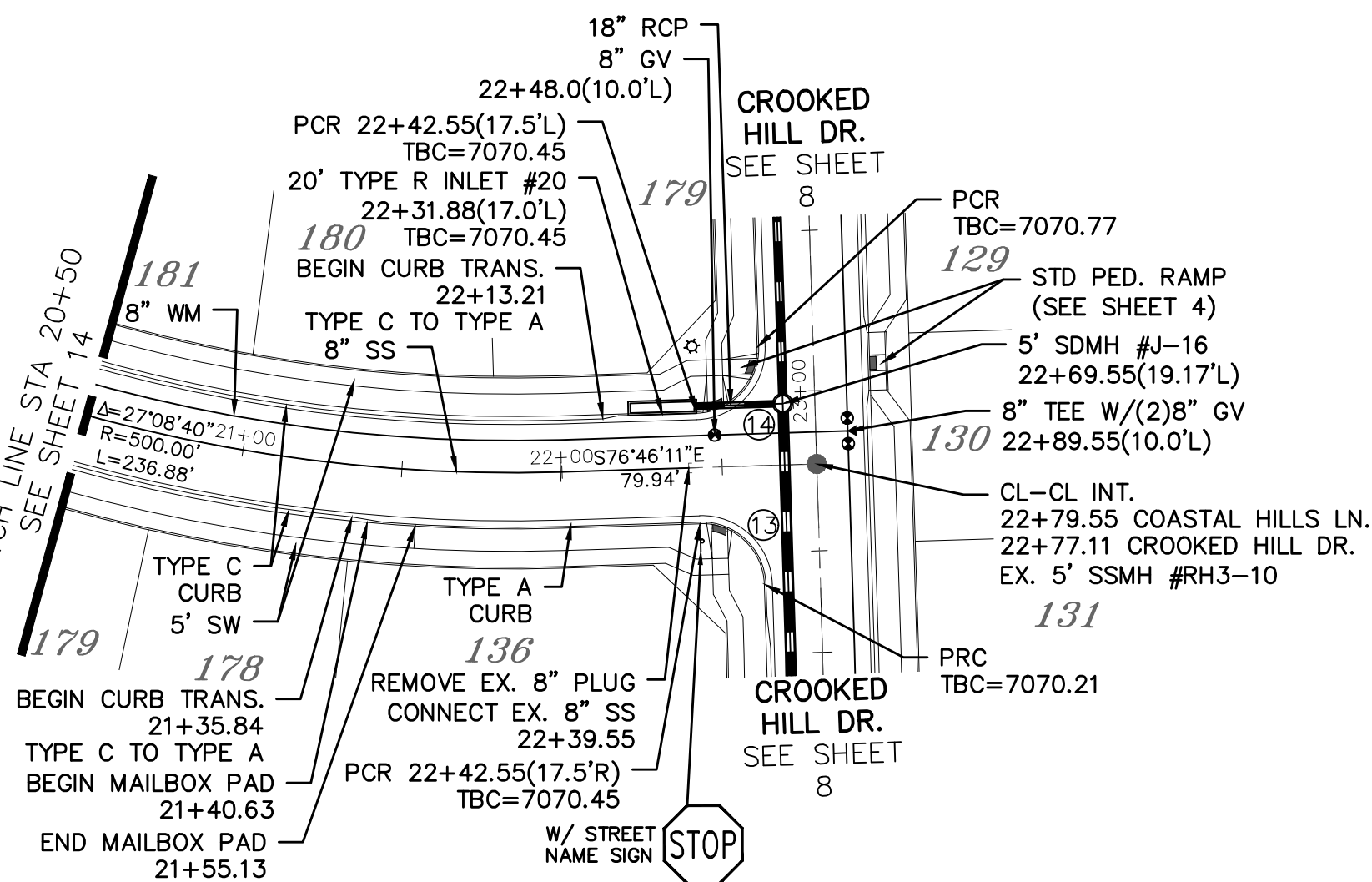
No.	Revisions	Date	Appr.	Date
1		-		
2		-		
3		-		
4		-		

**TECH CONTRACTORS**  
**11886 STAPLETON DRIVE**  
**FALCON, CO 80831**  
**TELEPHONE: 719.495.7444**  
**FAX: 719.495.2457**



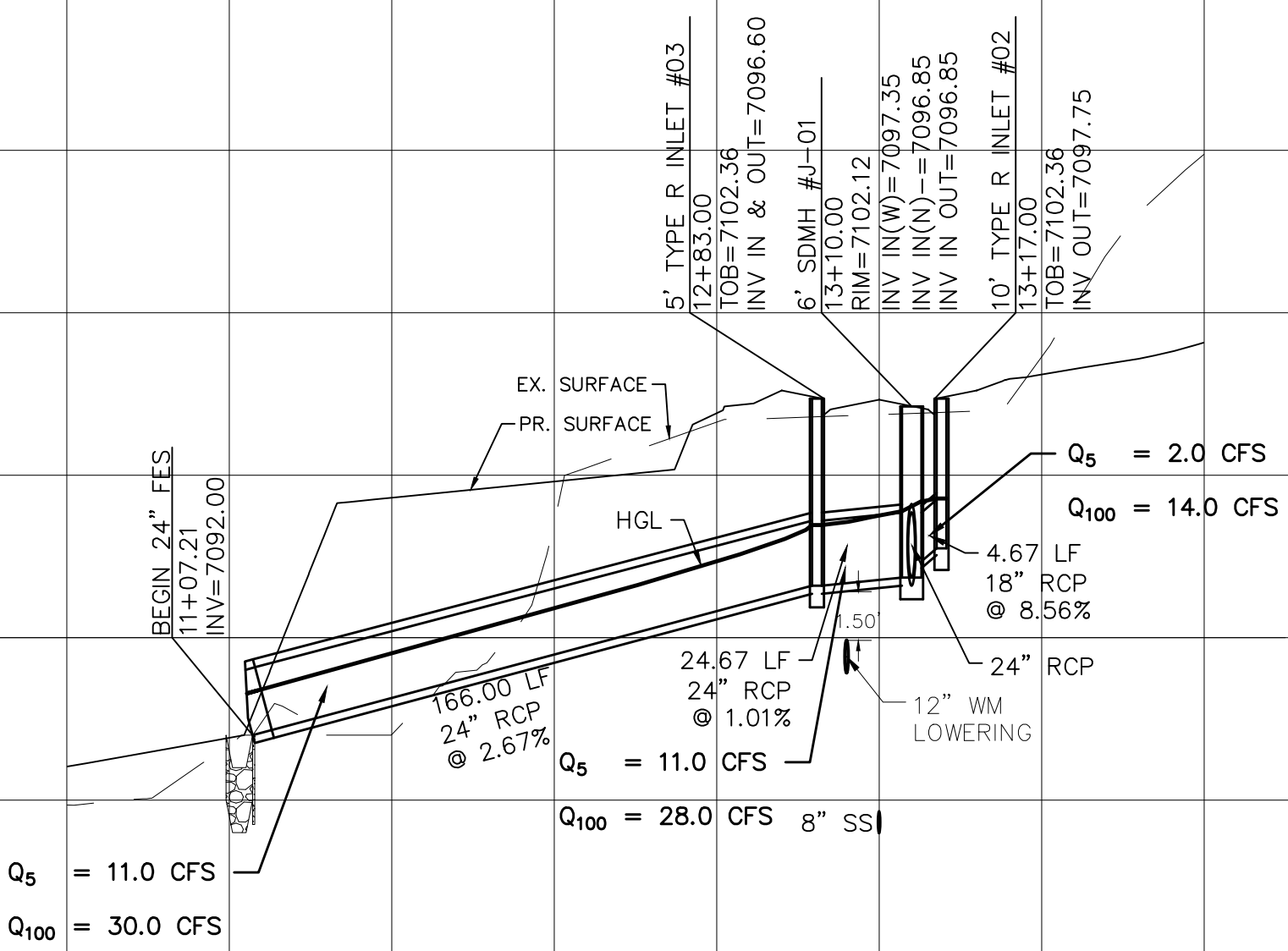
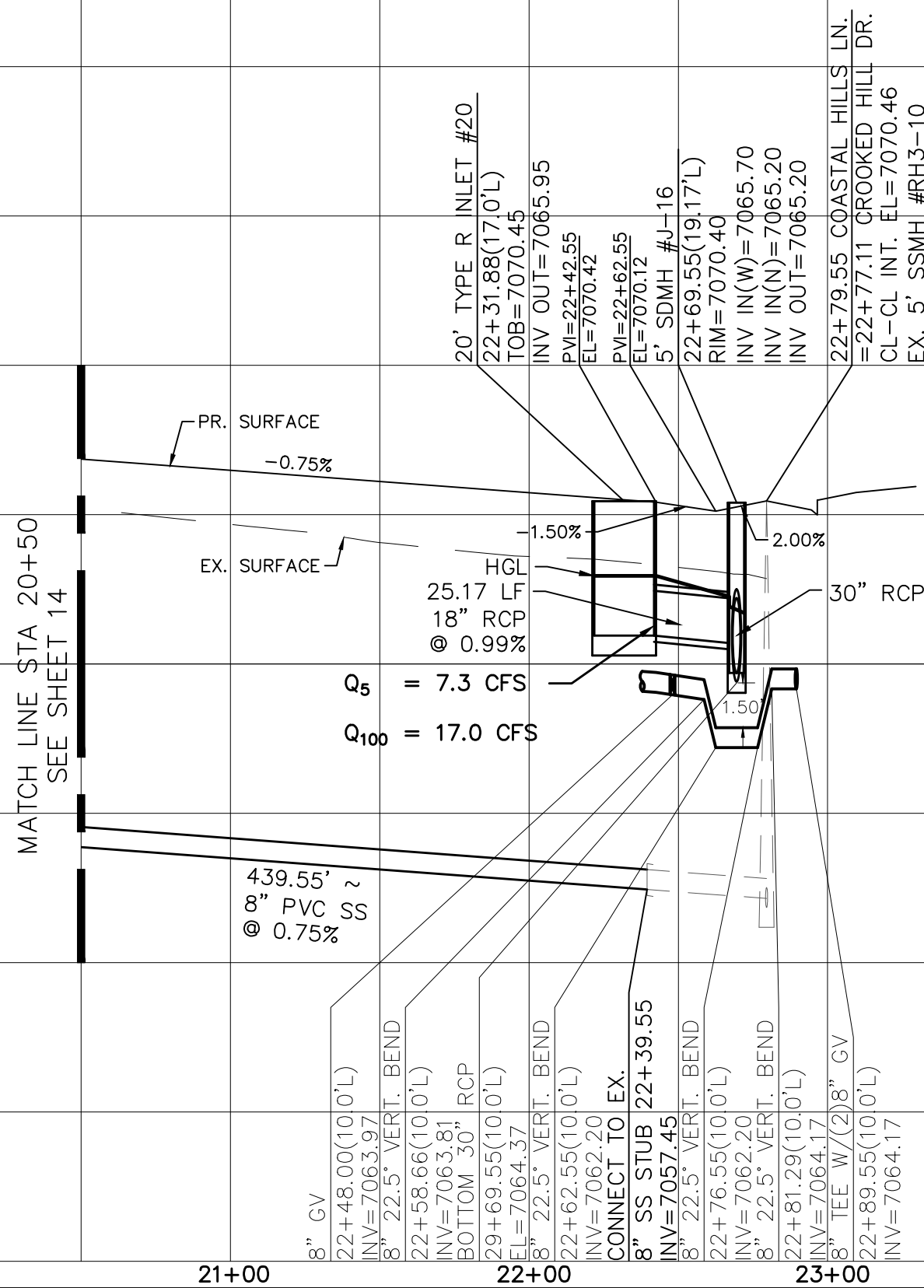
ROLLING HILLS RANCH FILING 3  
AT MERIDIAN RANCH  
STREET AND UTILITY PLANS  
COASTAL HILLS LN. + STORM #1

Scale <b>AS SHOWN</b>	Drawn by LCG
	Checked by TAK
	Date MAR 2021

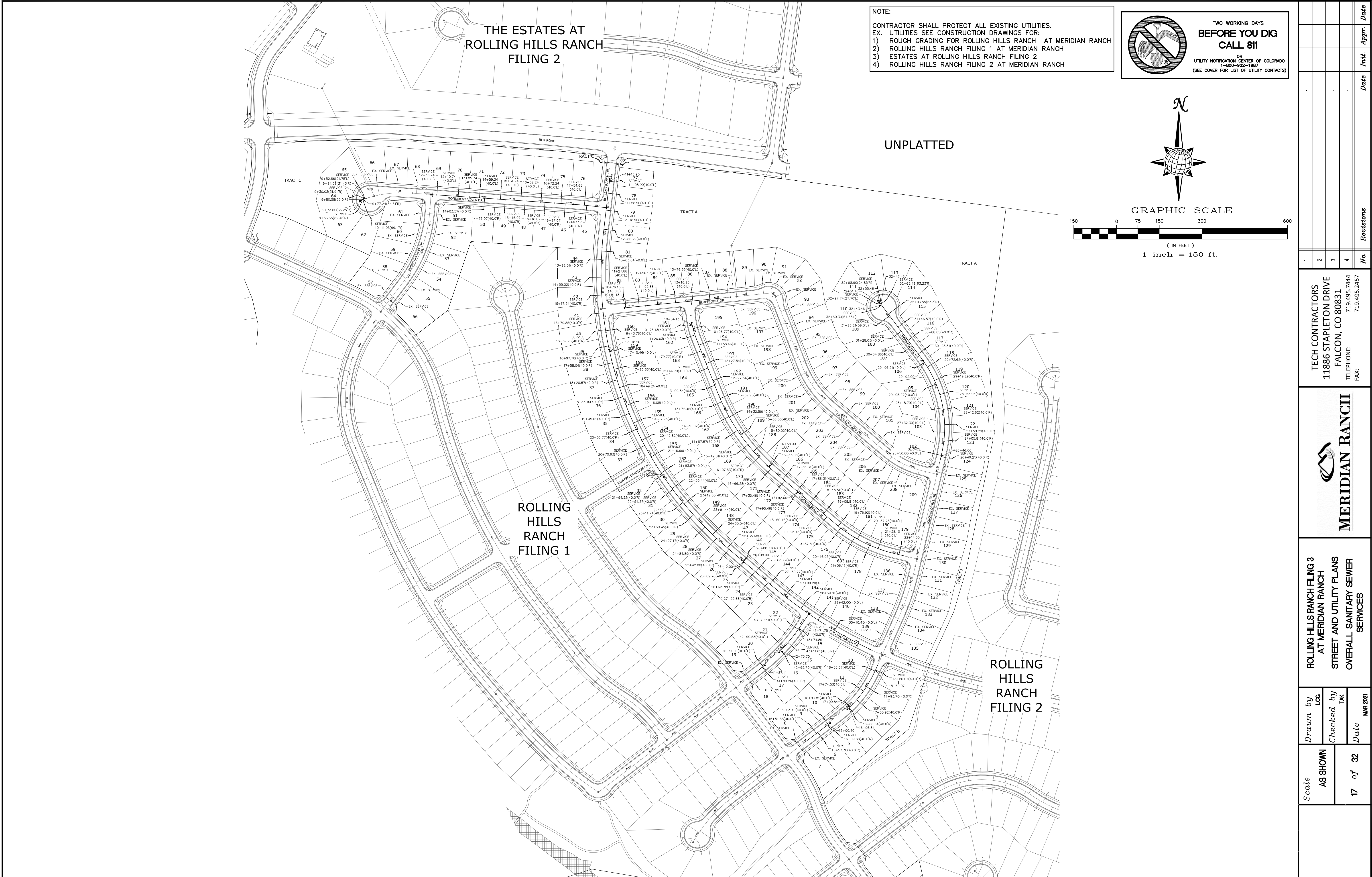


# COASTAL HILLS LN.

URBAN LOCAL  
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)





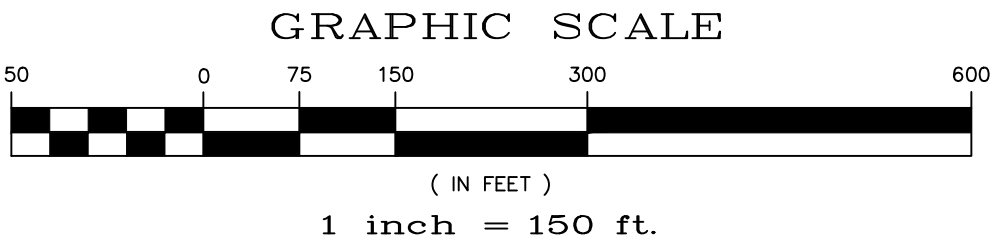


NOTE:  
CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.  
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:  
1) ROUGH GRADING FOR ROLLING HILLS RANCH AT MERIDIAN RANCH  
2) ROLLING HILLS RANCH FILING 1 AT MERIDIAN RANCH  
3) ESTATES AT ROLLING HILLS RANCH FILING 2  
4) ROLLING HILLS RANCH FILING 2 AT MERIDIAN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

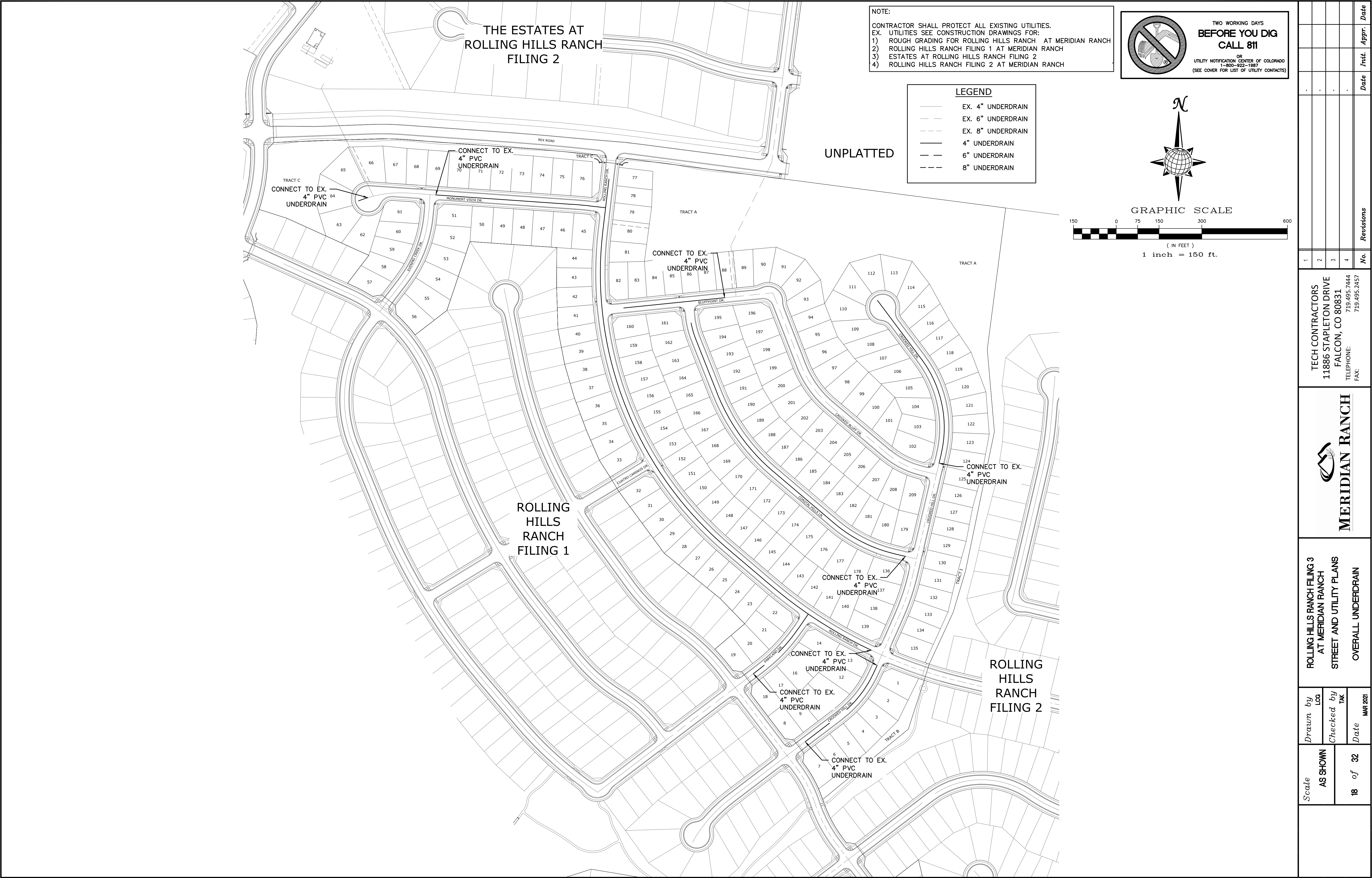


TWO WORKING DAYS  
**BEFORE YOU DIG**  
CALL 811

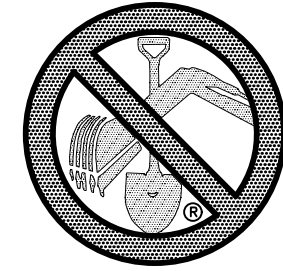
OR  
UTILITY NOTIFICATION CENTER OF COLORADO  
1-800-922-1987  
(SEE COVER FOR LIST OF UTILITY CONTACTS)



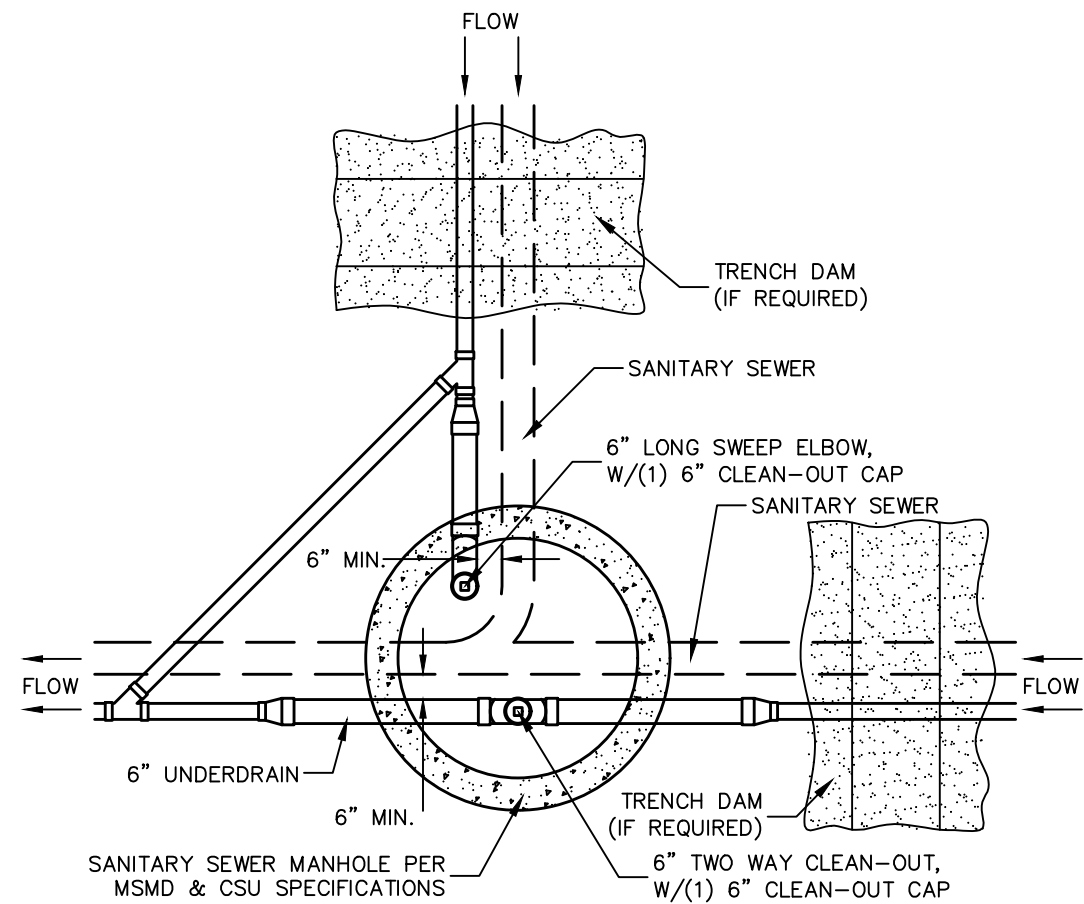
	Scale AS SHOWN	Drawn by	ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL SANITARY SEWER SERVICES	 <b>MERIDIAN RANCH</b>	TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457	1					
		LOG				2					
		Checked by				3					
		TAK				4					
		Date									
	17 of 32	MAR 2021				No.	Revisions	Date	Init.	Appr.	Date



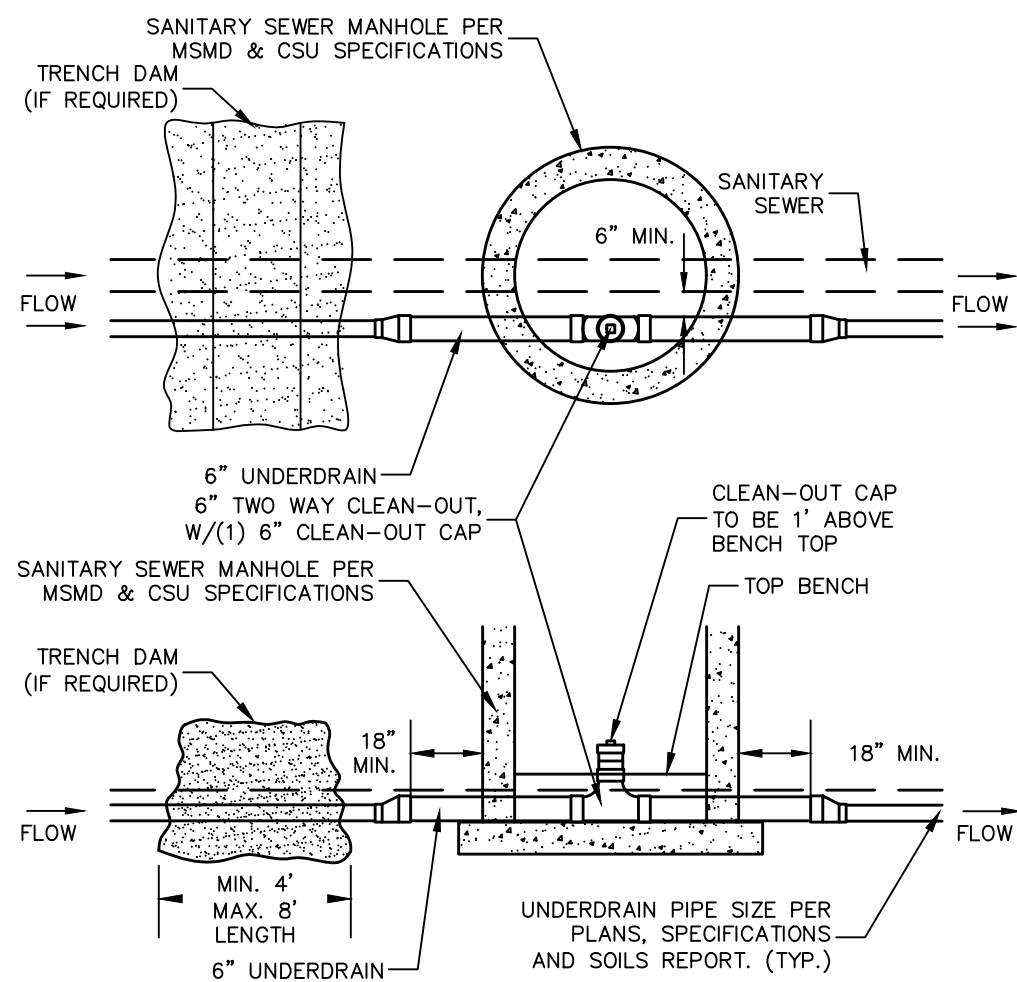
Scale AS SHOWN	18 of 32	Drawn by LGA	Checked by TAK	Date MAR 2021	ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL UNDERDRAIN				 <b>MERIDIAN RANCH</b>		TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457				1 2 3 4 No.		Revisions		Date Init. Appr.	
					1		2				3		4							
					1		2				3		4							
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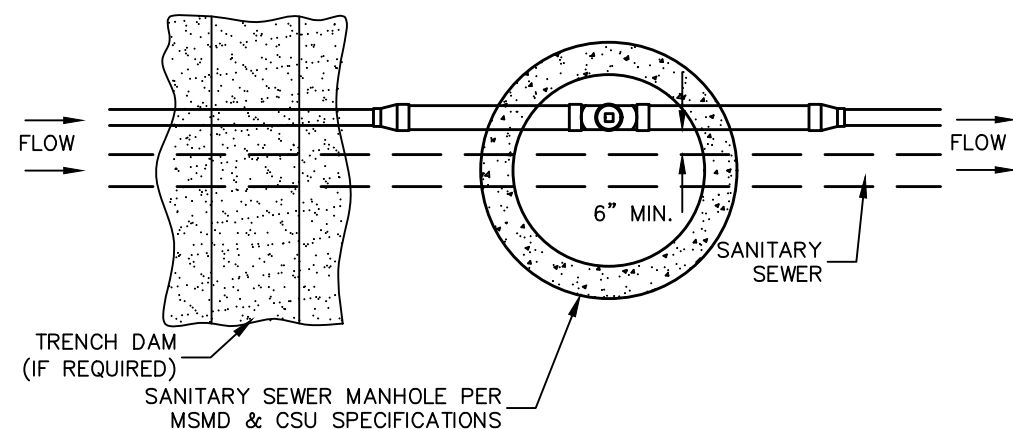
TWO WORKING DAYS  
**BEFORE YOU DIG  
CALL 811**  
OR  
UTILITY NOTIFICATION CENTER OF COLORADO  
1-800-922-1987  
(SEE COVER FOR LIST OF UTILITY CONTACTS)



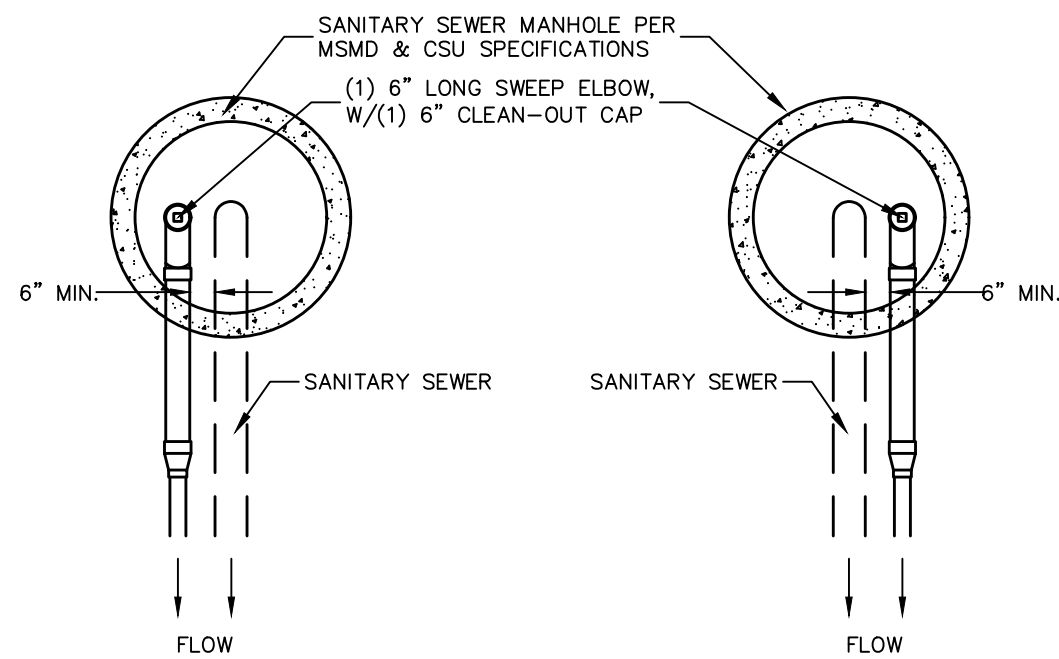
SSMH #RH3-2  
& #RH3-6



SSMH #RH3-14, #RH3-15,  
#RH3-16 & #RH3-26



SSMH #RH3-3,  
#RH3-4, #RH3-5  
& #RH3-12



SSMH #RH3-9, SSMH #RH3-7,  
#RH3-17, #RH3-8,  
#RH3-19, #RH3-13  
& #RH3-24 & #RH3-18  
& #RH3-27

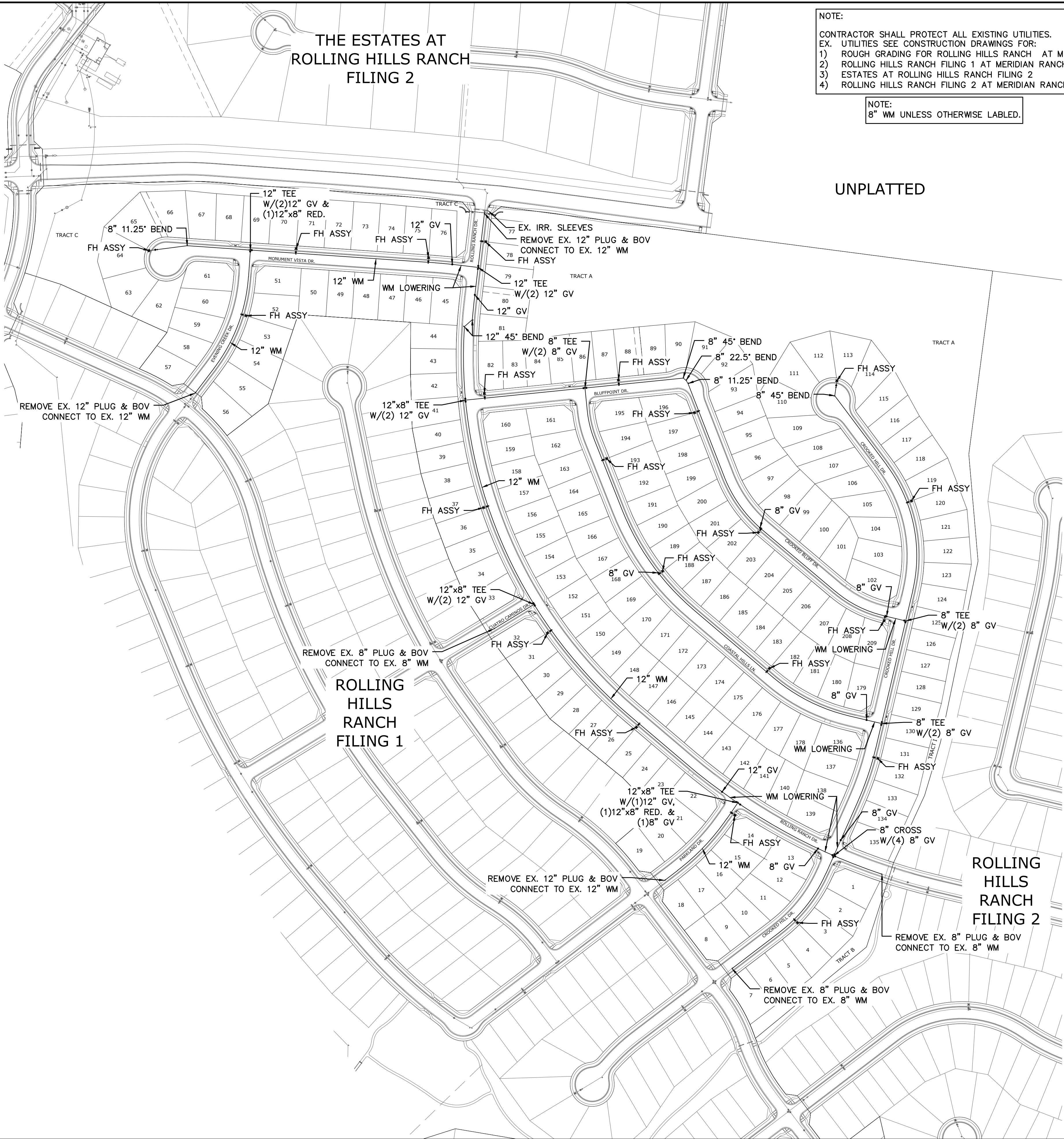
NOTES:

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.

CLEAN-OUT DETAILS


SCALE : N.T.S.

Scale AS SHOWN	Drawn by LOC	ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH STREET AND UTILITY PLANS			 <b>MERIDIAN RANCH</b>	TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457			1	-			
									2	-			
	Checked by TAK	3	-										
		4	-										
19 of 32	Date MAR 2021	UNDERDRAIN DETAILS				Revisions			No.	Date	Init.	Appr.	Date



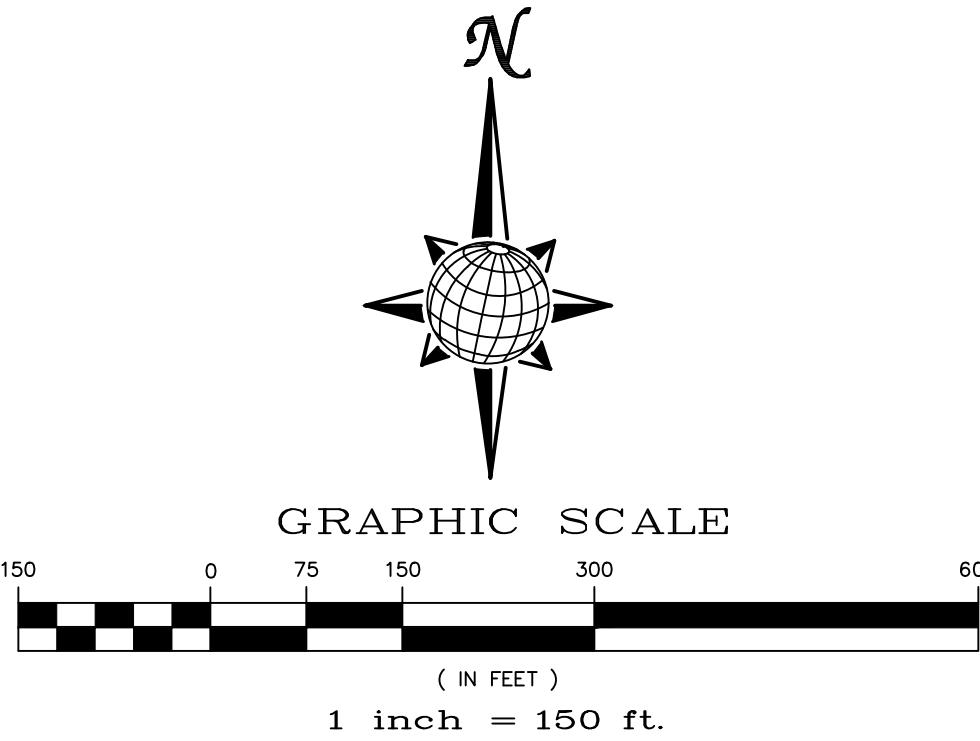
NOTE:  
CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.  
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:  
1) ROUGH GRADING FOR ROLLING HILLS RANCH AT MERIDIAN RANCH  
2) ROLLING HILLS RANCH FILING 1 AT MERIDIAN RANCH  
3) ESTATES AT ROLLING HILLS RANCH FILING 2  
4) ROLLING HILLS RANCH FILING 2 AT MERIDIAN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

NOTE:  
8" WM UNLESS OTHERWISE LABELED.



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)



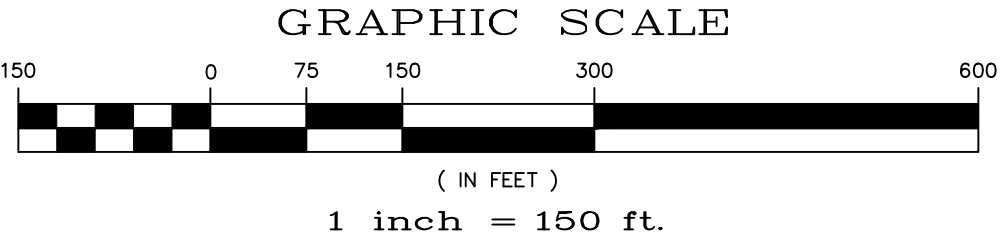
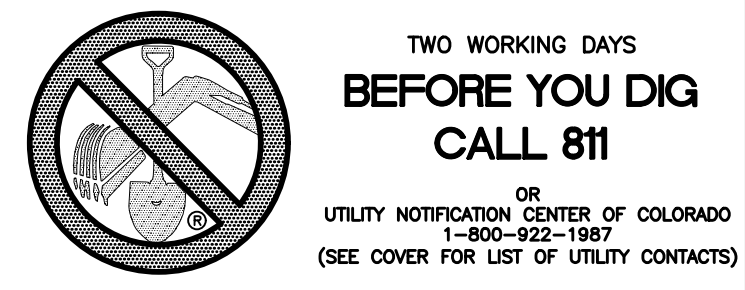
RESIDENTIAL HOME
4,800 SQ. FT. (MAX)
VB CONSTRUCTION
REQ'D FIRE FLOW: 1750 GPM
HYDRANT SPACING: 500' (MAX)
HOSE LAY DIST.: 250' (MAX)
NON-SPRINKLER

Scale AS SHOWN	Drawn by LGA	Checked by TAK	Date MAR 2021	ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL WATER				TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457				1 2 3 4 No.				Revisions				Date Init. Appr.			
				MERIDIAN RANCH				UNPLATTED				THE ESTATES AT ROLLING HILLS RANCH FILING 2				UNPLATTED				THE ESTATES AT ROLLING HILLS RANCH FILING 2			
				ROLLING HILLS RANCH FILING 1				ROLLING HILLS RANCH FILING 2				ROLLING HILLS RANCH FILING 2				ROLLING HILLS RANCH FILING 2				ROLLING HILLS RANCH FILING 2			
				ROLLING HILLS RANCH FILING 2				ROLLING HILLS RANCH FILING 2				ROLLING HILLS RANCH FILING 2				ROLLING HILLS RANCH FILING 2				ROLLING HILLS RANCH FILING 2			



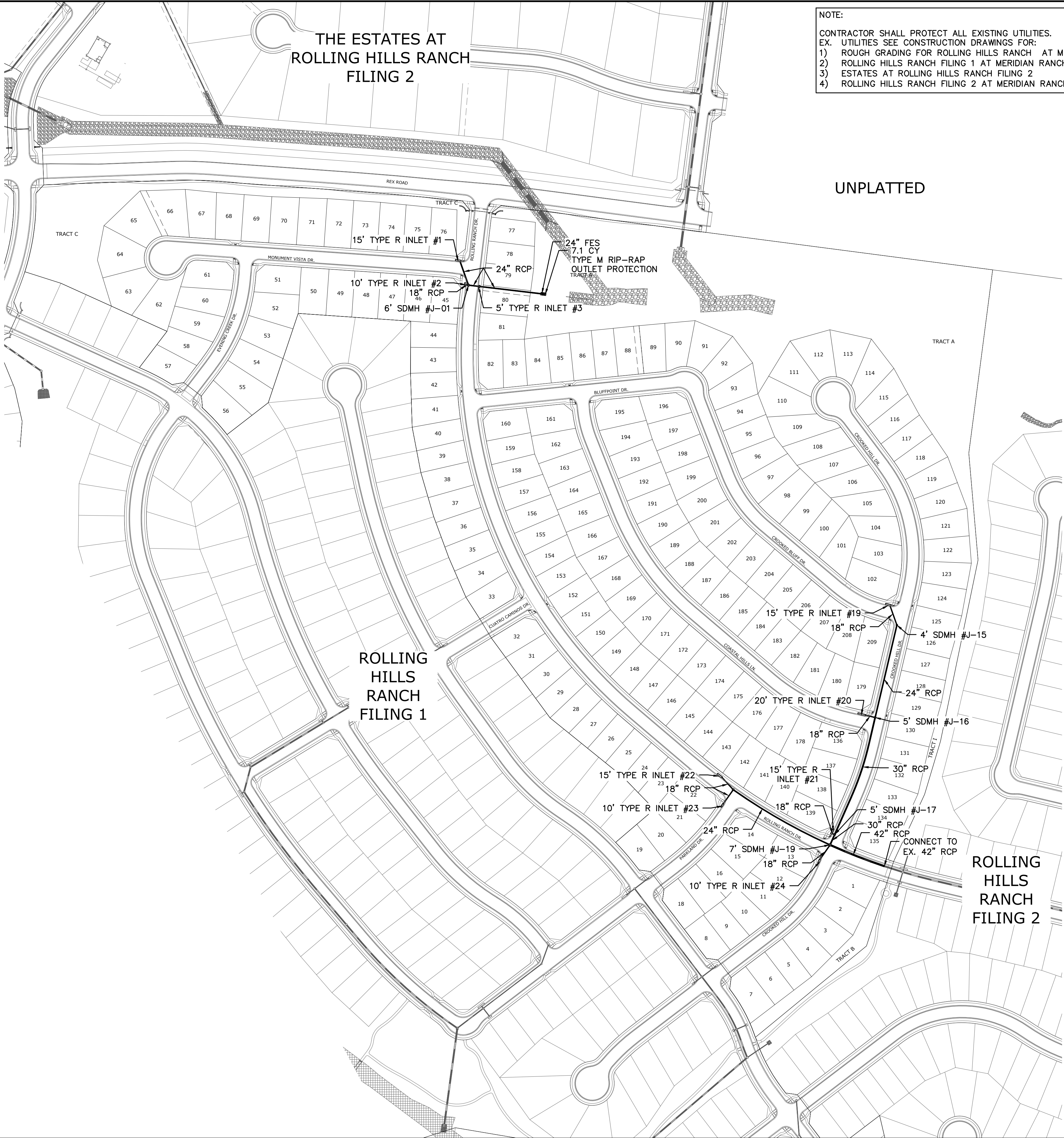
NOTE:  
CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.  
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:  
1) ROUGH GRADING FOR ROLLING HILLS RANCH AT MERIDIAN RANCH  
2) ROLLING HILLS RANCH FILING 1 AT MERIDIAN RANCH  
3) ESTATES AT ROLLING HILLS RANCH FILING 2  
4) ROLLING HILLS RANCH FILING 2 AT MERIDIAN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

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

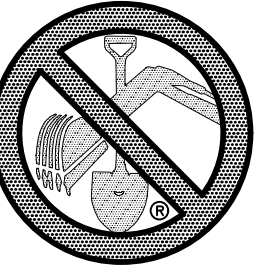


RESIDENTIAL HOME  
4,800 SQ. FT. (MAX)  
VB CONSTRUCTION  
REQ'D FIRE FLOW: 1750 GPM  
HYDRANT SPACING: 500' (MAX)  
HOSE LAY DIST.: 250' (MAX)  
NON-SPRINKLER

	Scale AS SHOWN	Drawn by	ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL WATER SERVICES	 <b>MERIDIAN RANCH</b>	TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457	1						
		LOG				2						
	Checked by	3										
	TAK	4										
	Date	21 of 32										

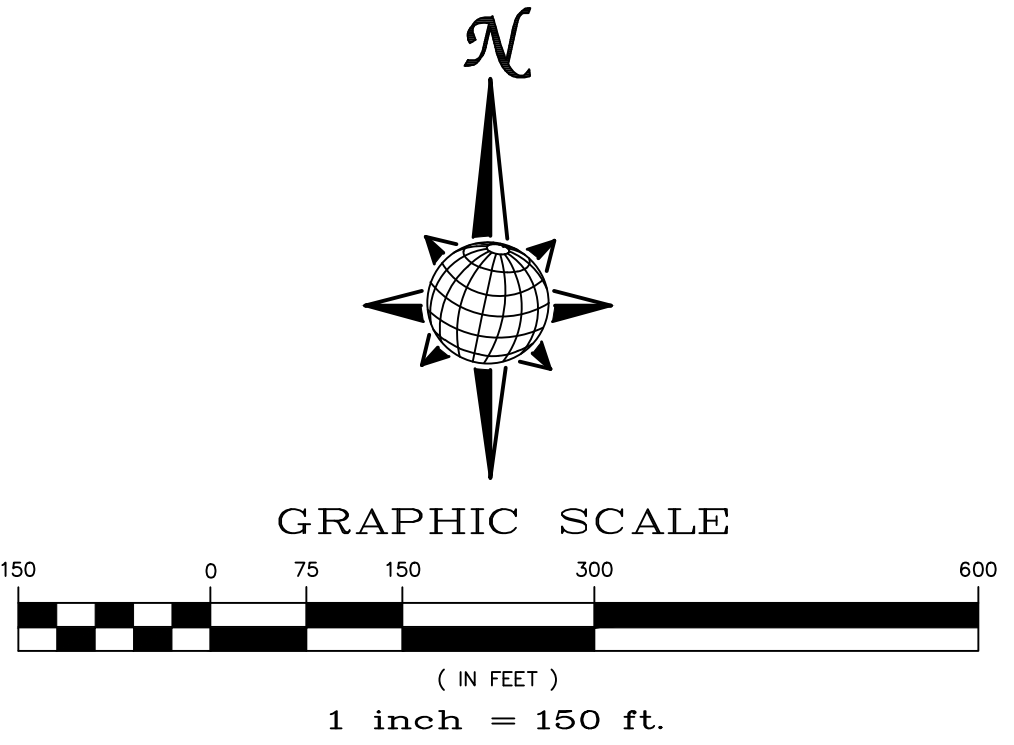



NOTE:  
CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.  
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:  
1) ROUGH GRADING FOR ROLLING HILLS RANCH AT MERIDIAN RANCH  
2) ROLLING HILLS RANCH FILING 1 AT MERIDIAN RANCH  
3) ESTATES AT ROLLING HILLS RANCH FILING 2  
4) ROLLING HILLS RANCH FILING 2 AT MERIDIAN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



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 LCS		ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH STREET AND UTILITY PLANS  OVERALL STORM DRAIN	 <b>MERIDIAN RANCH</b>	TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457	1					
		Checked by TAK					2					
		Date					3					
		MAR 2021					4					
		22 of 32					No.	Revisions	Date	Init.	Appr.	Date

EL PASO COUNTY STANDARD NOTES:

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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 END 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.
7. 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.
8. 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 CERTIFIED BY THE EROSION CONTROL INSPECTOR. THE SWMP SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME. PERMANENT SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED UPON FINAL STABILIZATION AND BEFORE PERMIT CLOSURE.
9. 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.
10. EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. LAND 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.
11. 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).
12. 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.
13. 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.
14. 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.
15. EROSION CONTROL, BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
16. 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.
17. 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.
18. TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
19. 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.
20. 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.
21. NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ON-SITE 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.
22. BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAMMENT PROTECTION TO CONTAIN ALL SPILLS ON-SITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR OTHER FACILITIES.
23. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
24. 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.
25. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.
26. PRIOR TO CONSTRUCTION THE PERMITEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
27. 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.
28. THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY ENTECH ENGINEERING, INC. AND SHALL BE CONSIDERED A PART OF THESE PLANS.
29. 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 OF 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  
WQCD - PERMITS  
4300 CHERRY CREEK DRIVE SOUTH  
DENVER, CO 80246-1530  
ATTN: PERMITS UNIT

## EARTHWORK QUANTITIES

NET YARDS	BALANCE
-----------	---------

TOTAL STRIPPINGS	0.00 AC.	000 CY
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	<u>CUT</u>	<u>FILL</u>
NET YARDS	0 CY	0 CY

20% COMPACTION FACTOR

NOTE: FILL WILL BE GENERATED FROM UTILITY INSTALL.

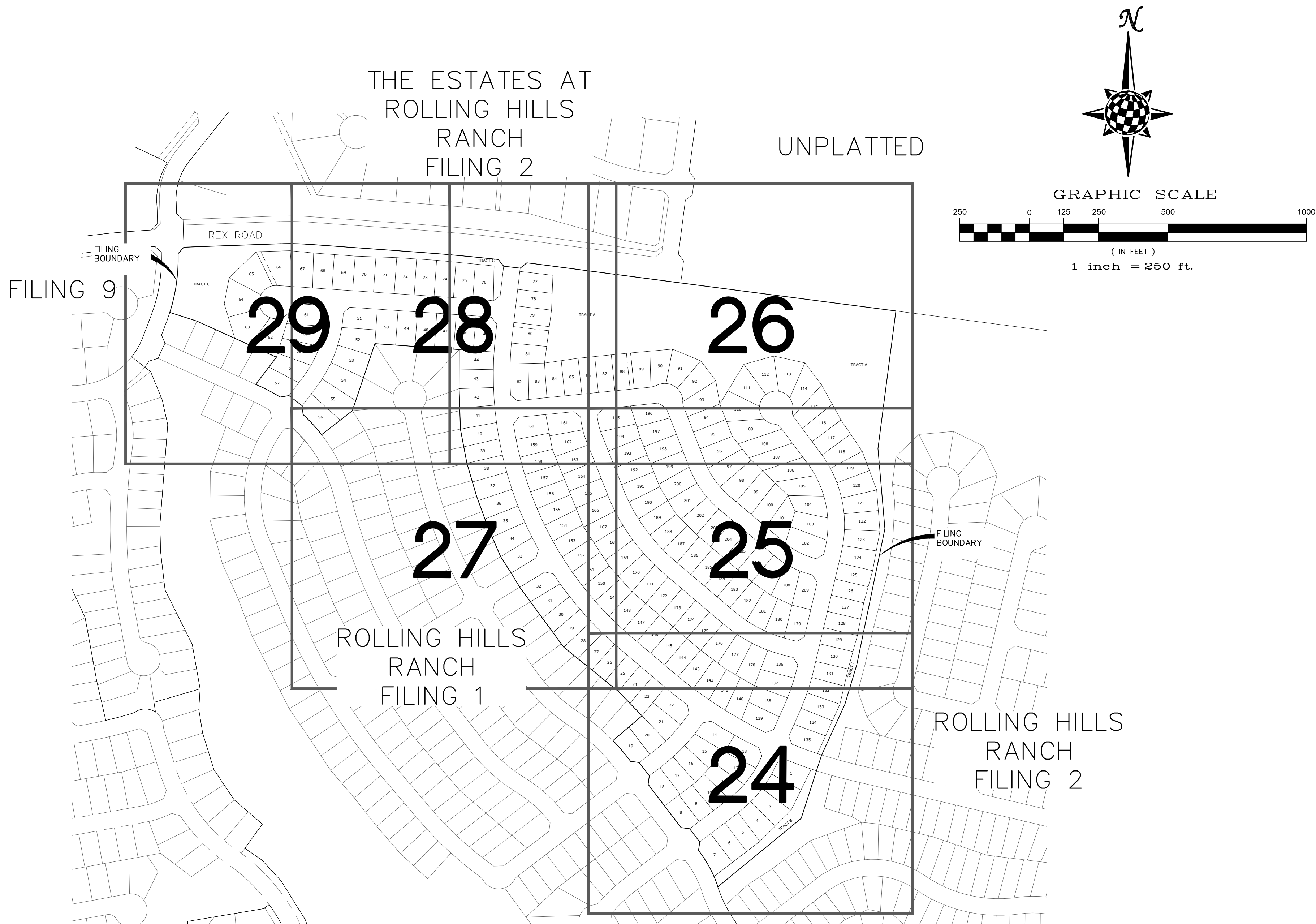
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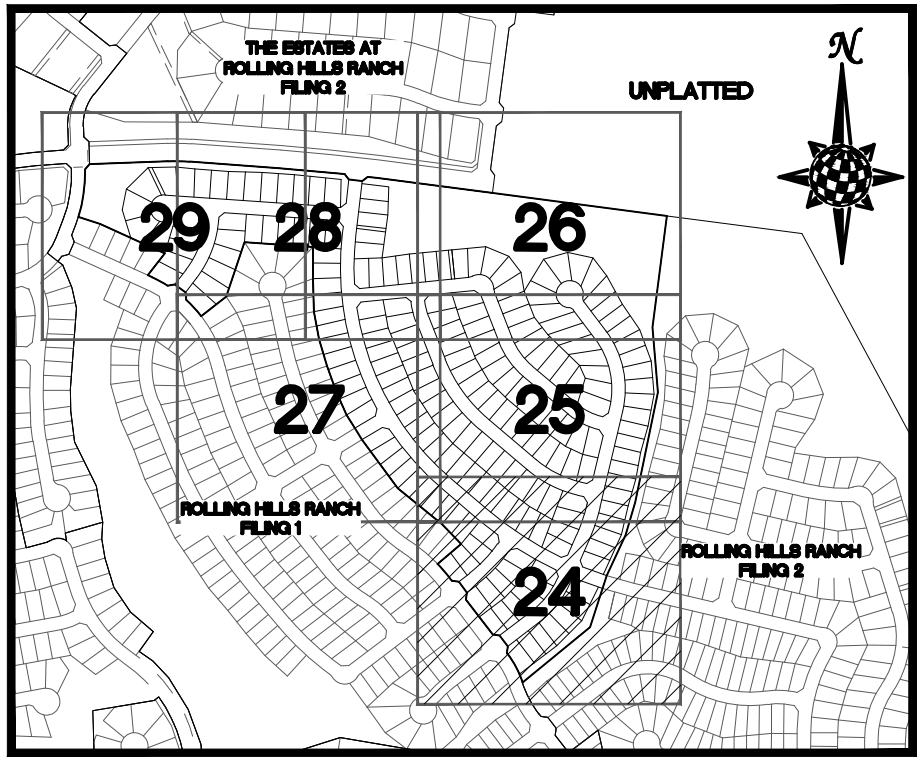
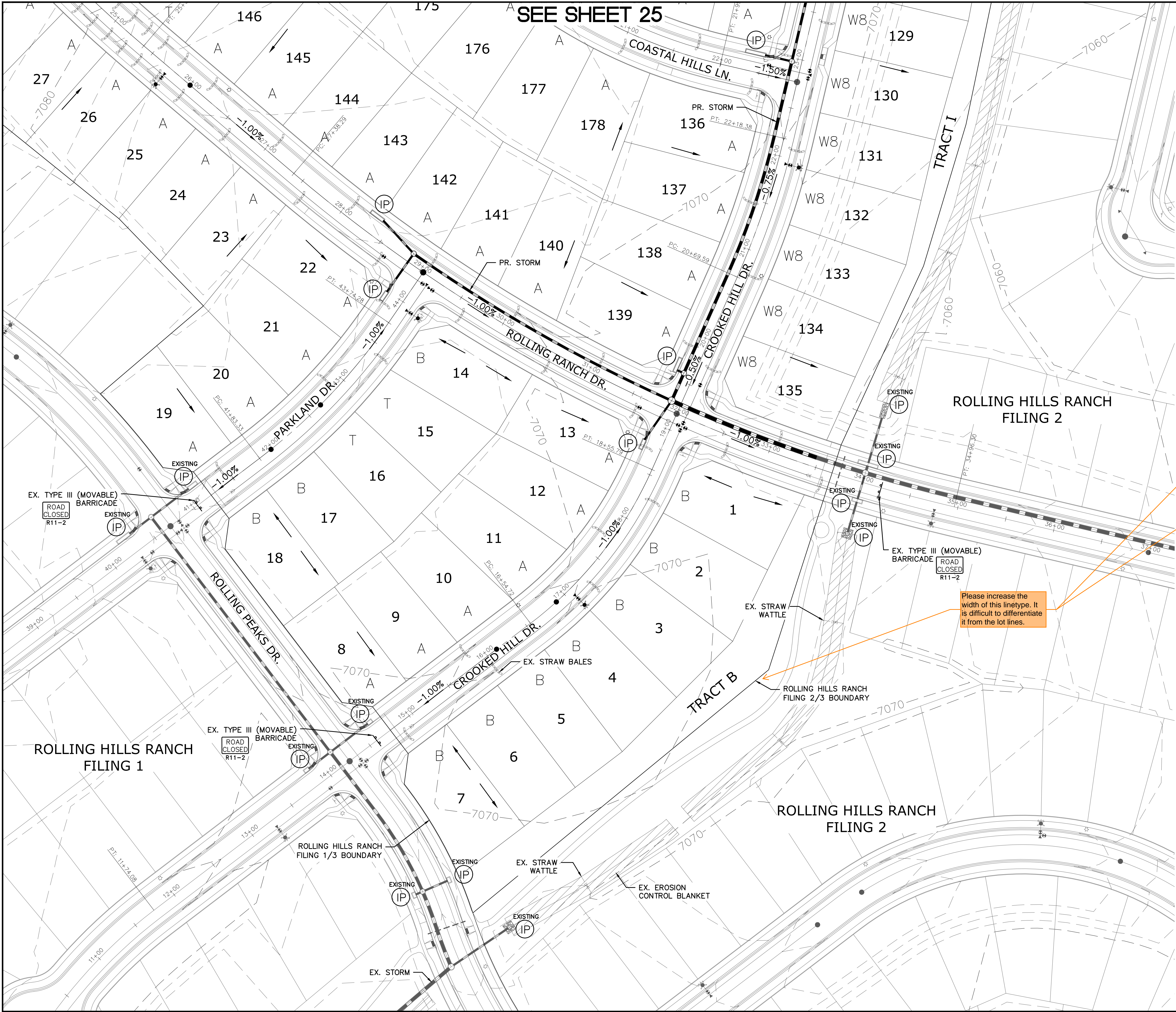
- 1) EXISTING VEGETATION ON THE PROJECT SITE AND THE IN SURROUNDING AREAS CONSISTS OF A MIXTURE OF NATIVE GRASSES AND WEEDS WITH COVERAGE APPROXIMATING 70% DENSITY UNLESS OTHERWISE NOTED. SOME AREAS HAVE NEGLIGIBLE VEGETATIVE GROWTH AT THIS TIME AS THE SITE WAS PREVIOUSLY GRADED AND RE-SEEDDED OR USED AS A BUILDERS' STOCKPILE LOCATION. AREAS PREVIOUSLY GRADED HAS BEEN RE-SEEDDED WITH THE APPROVED COUNTY SEED MIX.
- 2) MATERIAL STORAGE, TOPSOIL STOCKPILES(UDFCD: 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. IDENTIFICATION SHALL BE LOCATED IN THE SWMP AS WELL AS ANY DETAILS NECESSARY.
- 3) THERE IS NO CONCRETE BATCH PLANT ASSOCIATED WITH THIS PROJECT.
- 4) NO SLOPES GREATER THAN 3:1 ARE EXPECTED ON THIS SITE. SLOPES GREATER THAN 3:1 REQUIRE EROSION CONTROL BLANKET.



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

<div>Scale</div> <div>AS SHOWN</div>	<div>Drawn by</div> <div>Log</div>		<div>ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH</div> <div>GRADING+EROSION CONTROL PLAN</div> <div>GRADING INDEX SHEET</div>	<div></div> <div>MERIDIAN RANCH</div>	<div>TECH CONTRACTORS</div> <div>11886 STAPLETON DRIVE</div> <div>FALCON, CO 80831</div> <div>TELEPHONE: 719.495.7444</div> <div>FAX: 719.495.2457</div>	1	-				
	<div>Checked by</div> <div>TAK</div>					2	-				
	<div>Date</div> <div>MAR 2021</div>					3	-				
	23 of 32					No.	Revisions	Date	Invt.	Appr.	Date

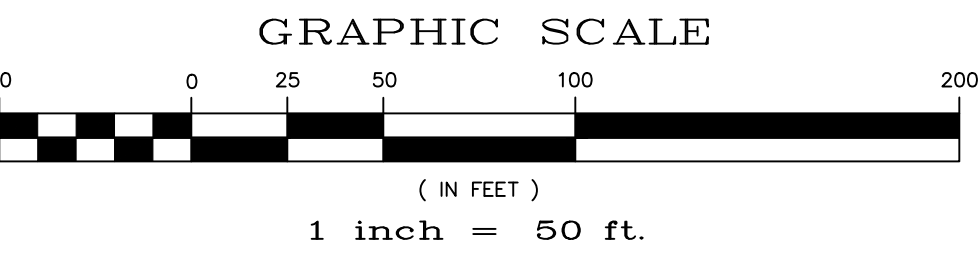
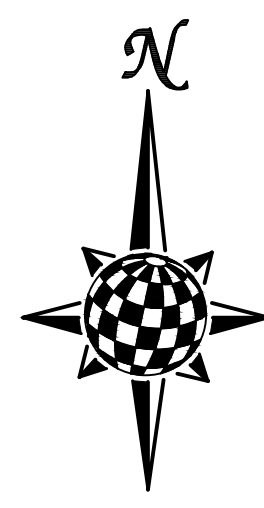




INDEX MAP  
N.T.S.

LEGEND

SYMBOL	ACRONYM	DESCRIPTION
		STRAW BALES
		EROSION WATTLES PER DETAIL SHEET 32
		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 32
		PROPERTY BOUNDARY/CONSTRUCTION BOUNDARY
		EXISTING CONTOUR (10')
		EXISTING CONTOUR (2')
		PROPOSED CONTOUR (10')
		PROPOSED CONTOUR (2')
		LIMITS OF GRADING/CONSTRUCTION BOUNDARY
		FLOW DIRECTION
		GRADE
		LOT NUMBER
		LOT GRADE TYPE



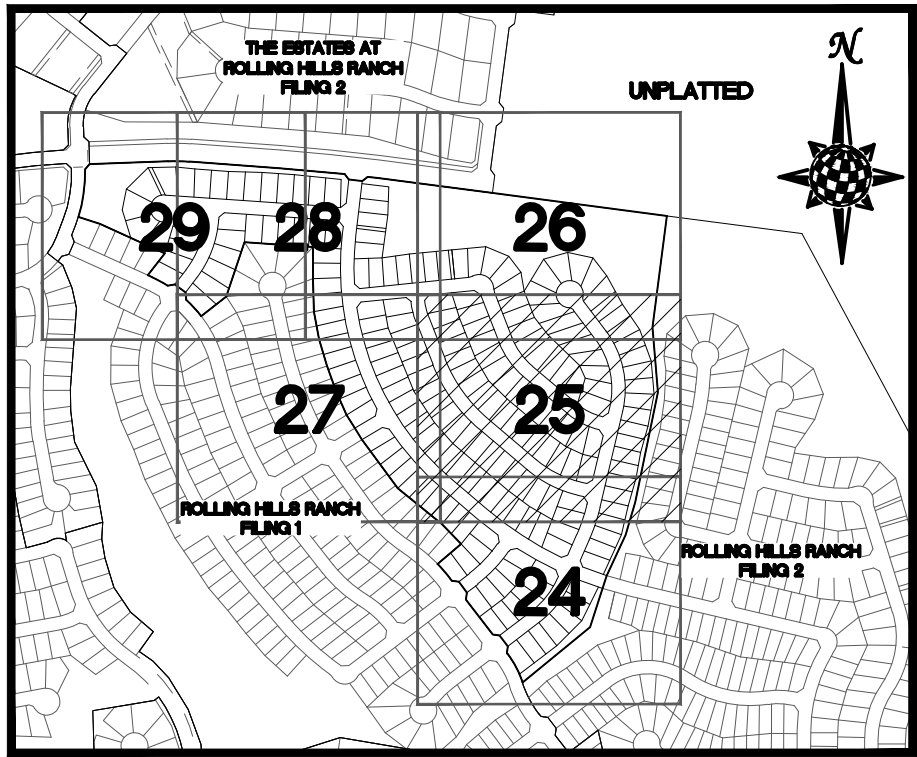
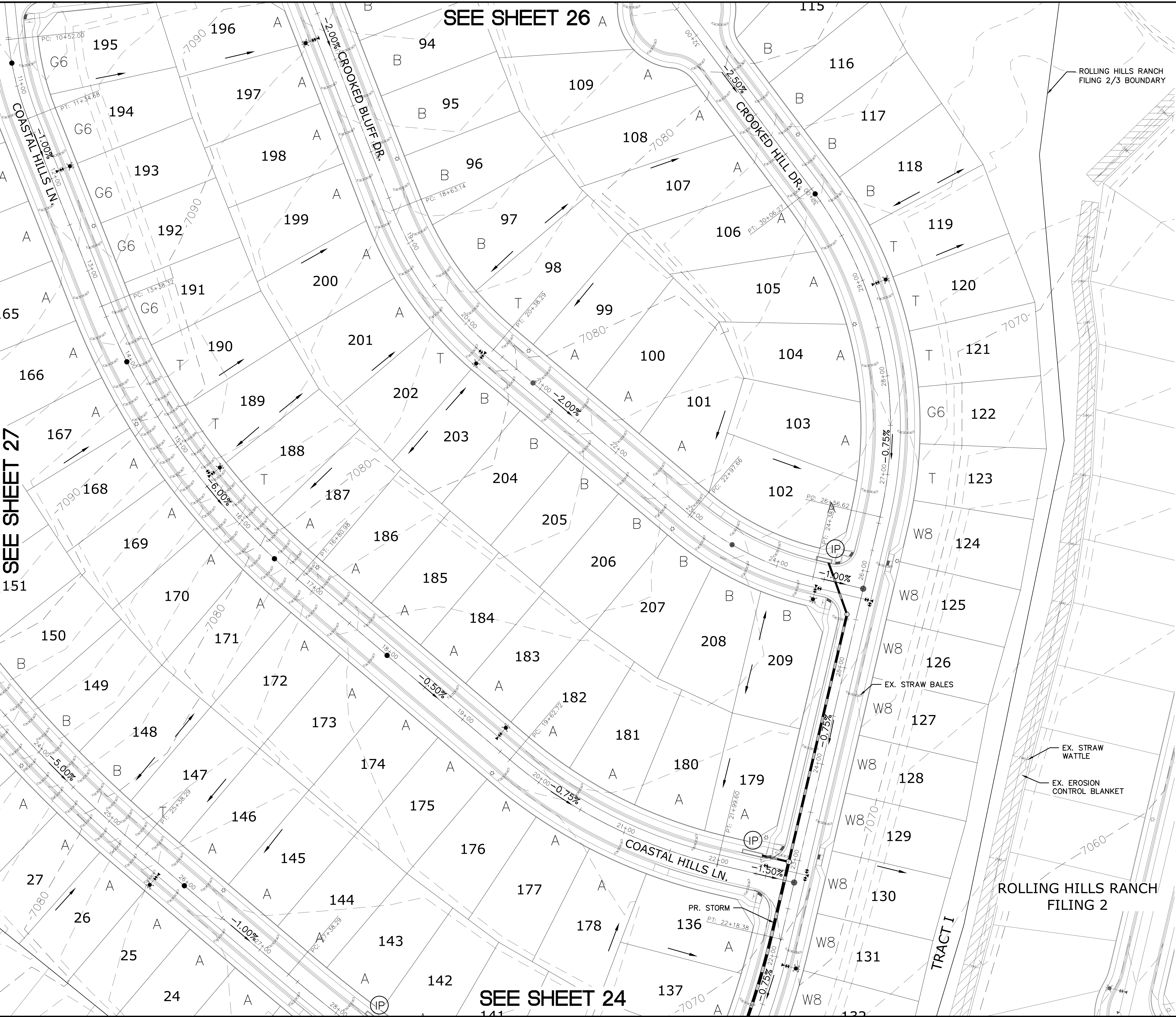
NOTE:  
ALL CONTOURS SHOWN WITHIN THE PLAN SET  
ARE TO FINISHED SURFACE. ALL STREET  
SECTIONS ARE TO BE GRADED TO ROUGH  
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TYPICAL STREET SECTION SHOWN ON SHEET 31.

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



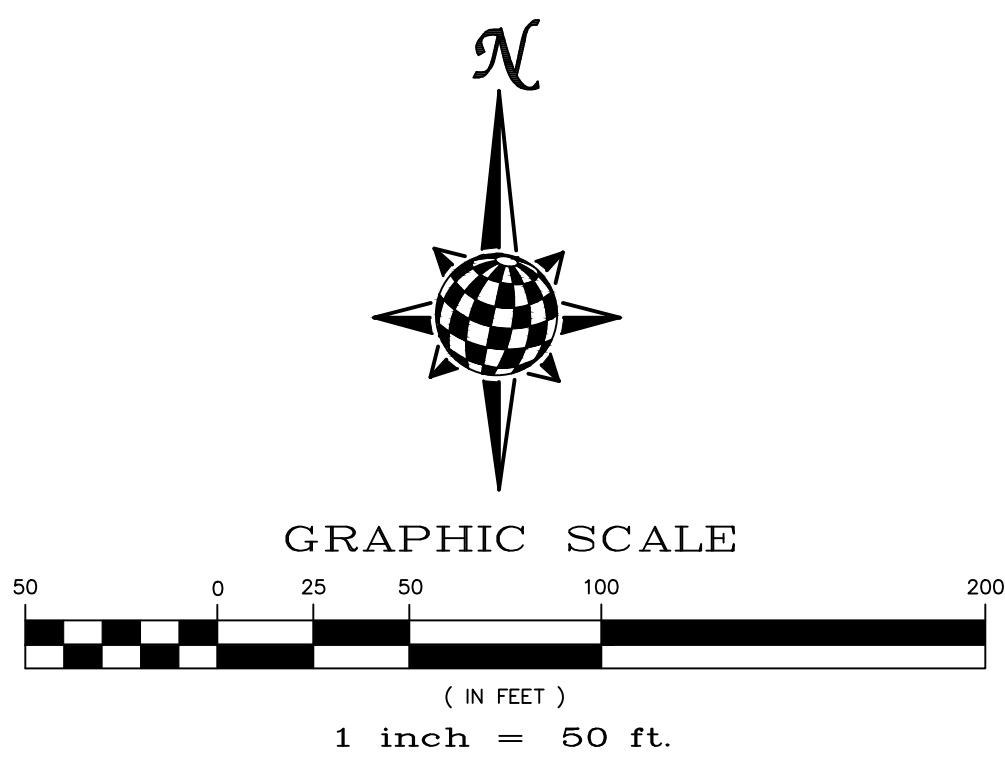
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Revisions		Date	Init.	Appr.	Date
1	No.				
2					
3					
4					
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
MERIDIAN RANCH					
ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH GRADING/EROSION CONTROL PLAN GRADING LAYOUT					
Drawn by	Log	Checked by	TAK	Date	MAR 2021
Scale	AS SHOWN	24 of 32			



INDEX MAP  
N.T.S.

SYMBOL	ACRONYM	DESCRIPTION
		STRAW BALES
		EROSION WATTLES PER DETAIL SHEET 32
		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 32
		PROPERTY BOUNDARY/CONSTRUCTION BOUNDARY
		EXISTING CONTOUR (10')
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		PROPOSED CONTOUR (10')
		PROPOSED CONTOUR (2')
		LIMITS OF GRADING/CONSTRUCTION BOUNDARY
		FLOW DIRECTION
		GRADE
		LOT NUMBER
		LOT GRADE TYPE

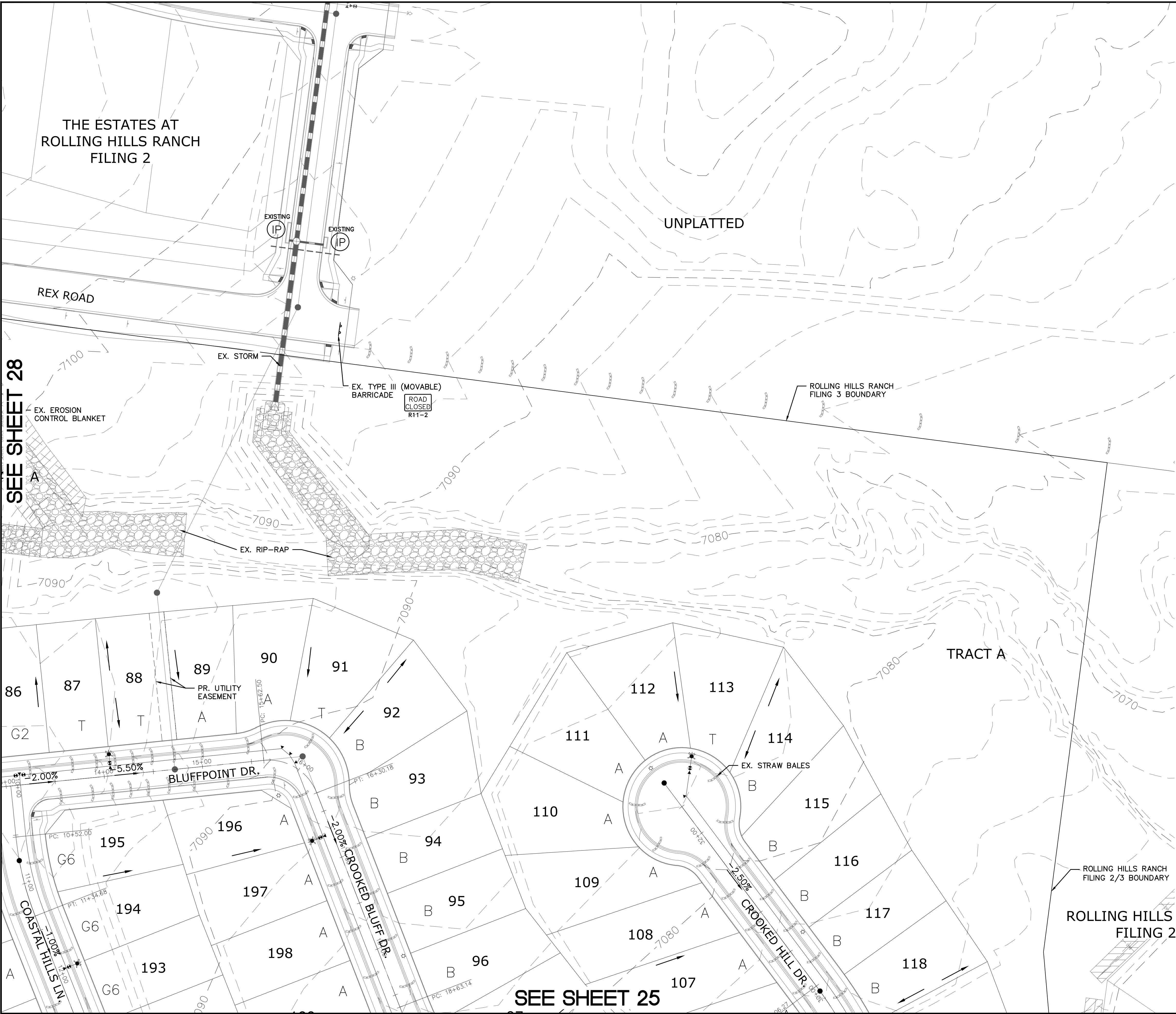


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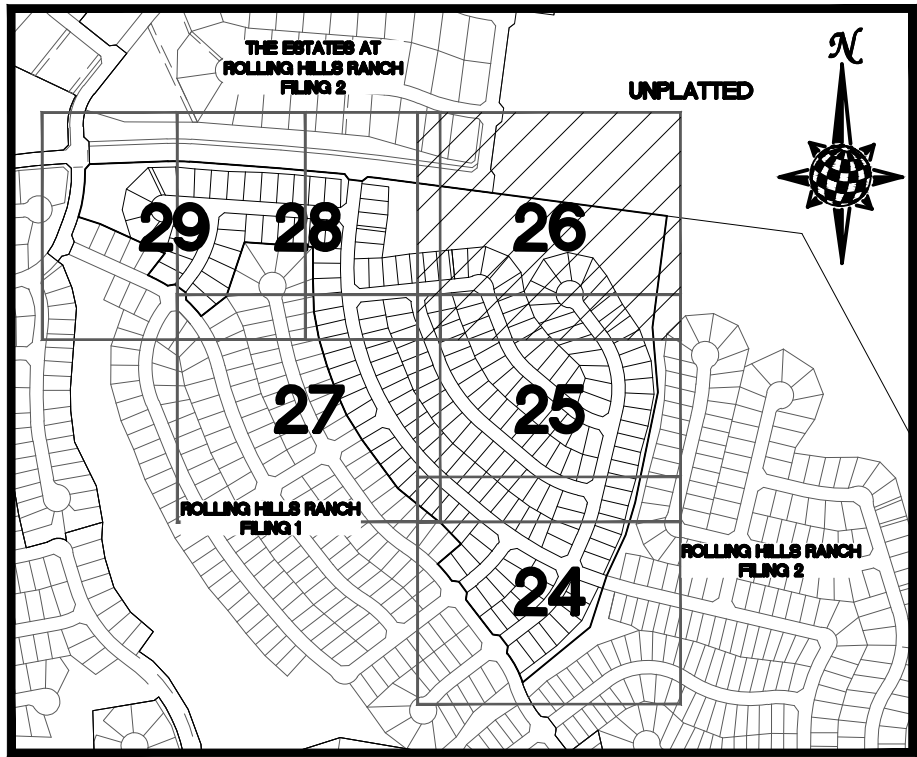
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MERIDIAN RANCH					
ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH GRADING/EROSION CONTROL PLAN GRADING LAYOUT					
Drawn by	Log	Checked by	TAK	Date	MAR 2021
Scale	AS SHOWN	25	of	32	



SEE SHEET 28

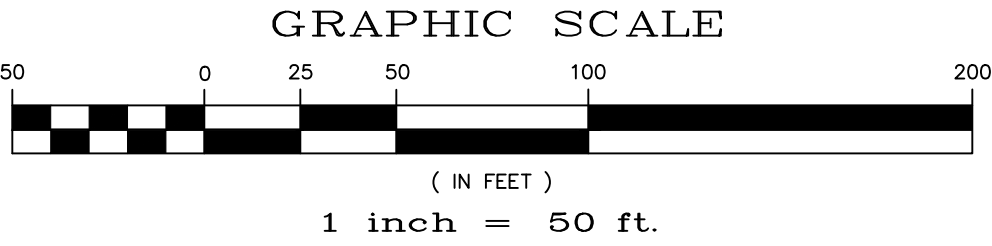
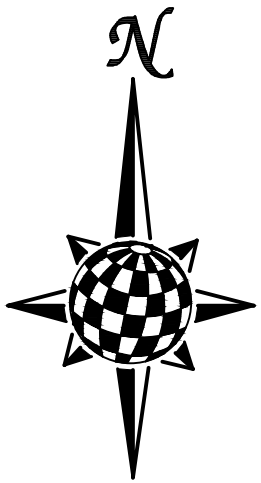
SEE SHEET 25



INDEX MAP  
N.T.S.

LEGEND

SYMBOL	ACRONYM	DESCRIPTION
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		FLOW DIRECTION
		GRADE
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		LOT GRADE TYPE

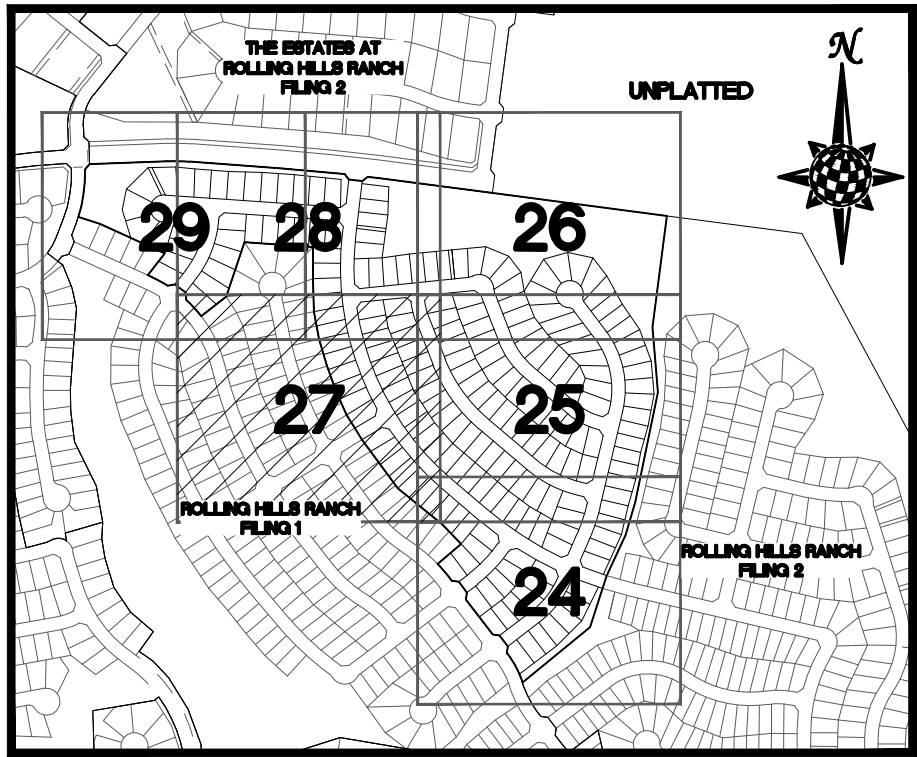
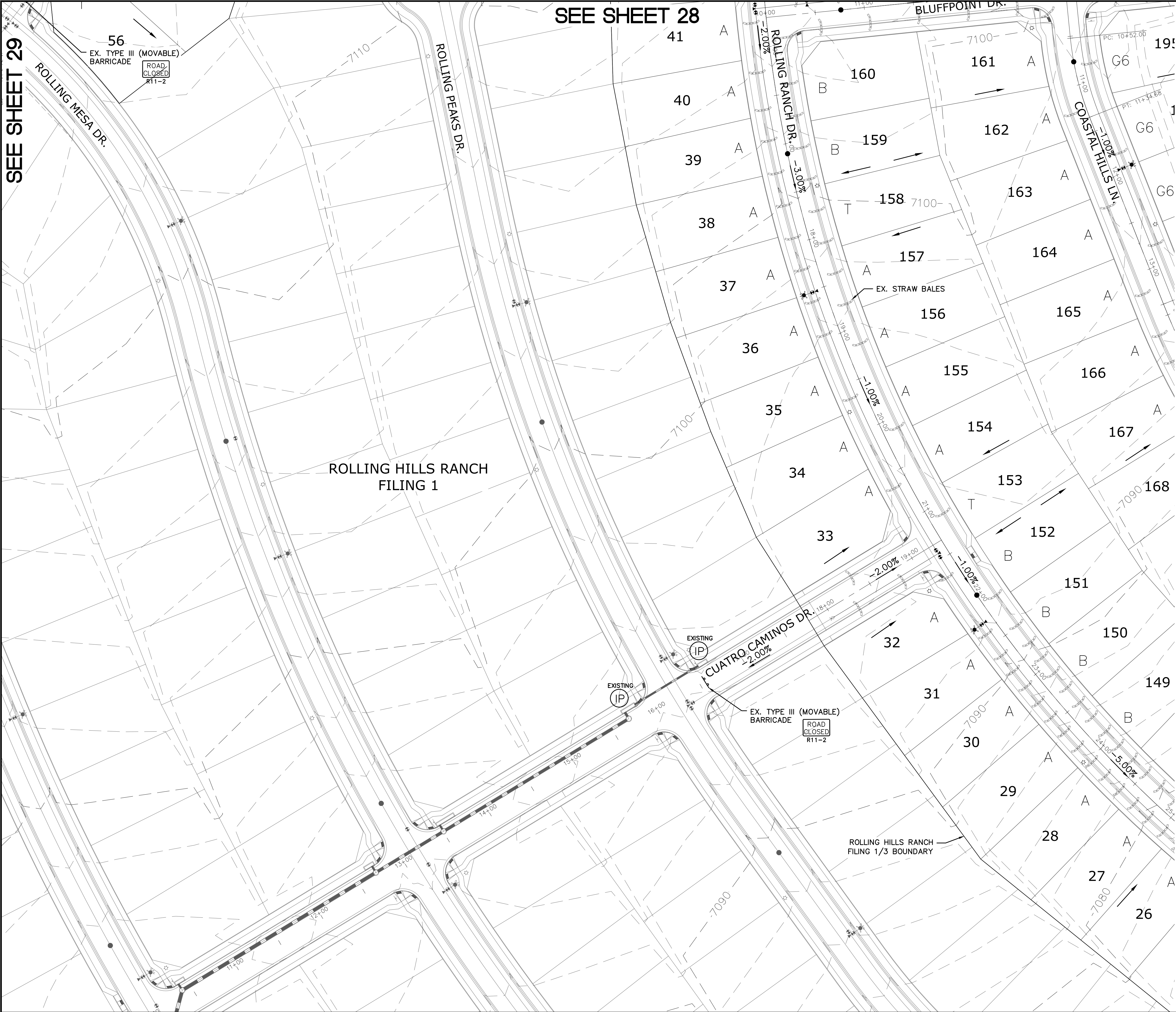


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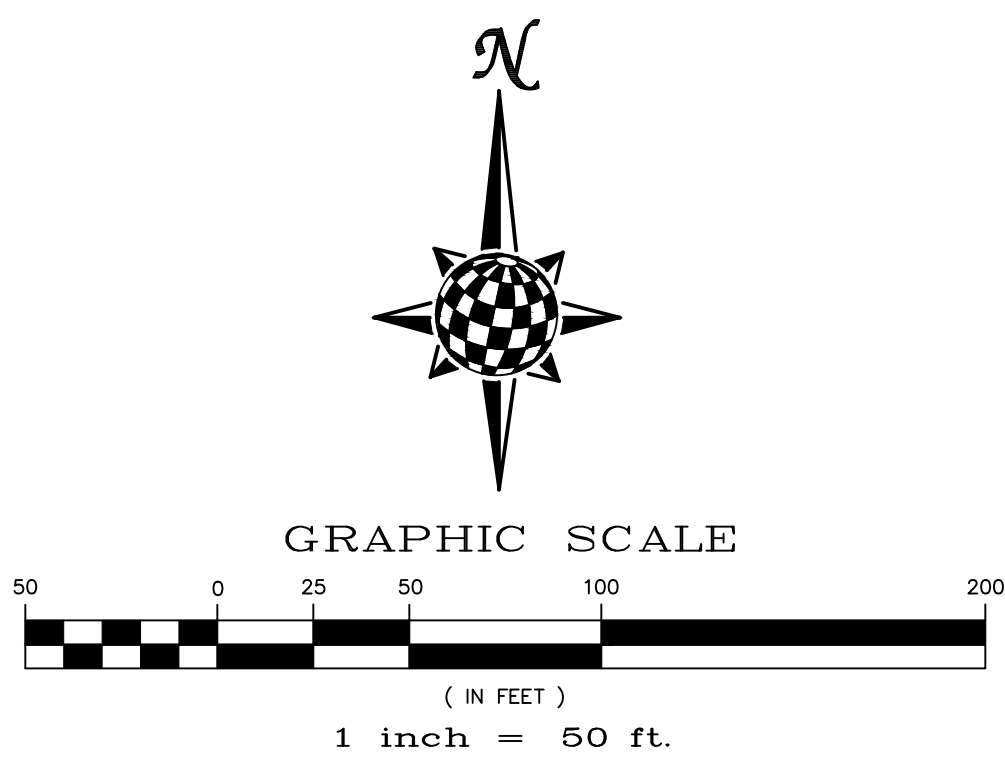


					Date
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					Appr.
					Date
					Revisions
1	2	3	4	No.	
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE 719.495.7444 FAX 719.495.2457					
MERIDIAN RANCH					
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Drawn by	Log	Checked by	TAK	Date	MAR 2021
Scale	AS SHOWN		26	of	32



INDEX MAP  
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UTILITIES.  
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:  
1) ROLLING HILLS RANCH ROUGH GRADING  
2) ROLLING HILLS RANCH FILING 1  
3) ESTATES AT ROLLING HILLS RANCH FILING 2  
4) ROLLING HILLS RANCH FILING 2

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 LOGS	ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH		 <b>MERIDIAN RANCH</b>	TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		1				
			Checked by TAK	GRADING/EROSION CONTROL PLAN		2						
						3						
		Date	GRADING LAYOUT	4								
		27 of 32								No.	Revisions	Date









