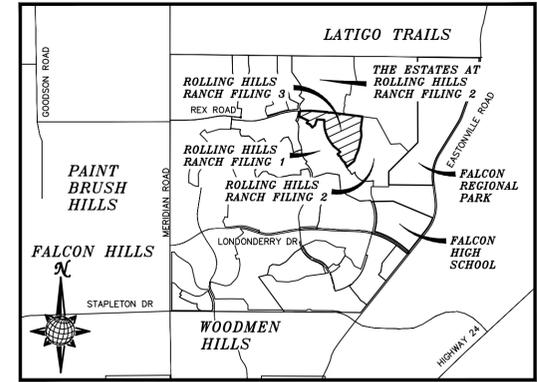


CONSTRUCTION DRAWINGS FOR ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH

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.

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. 221714712 IN THE RECORDS OF EL PASO COUNTY AND A NON-TANGENT CURVE TO THE LEFT;

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. 2, RECORDED WITH RECEPTION NO. _____ IN THE RECORDS OF EL PASO COUNTY;

THE FOLLOWING NINE (9) COURSES 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.

DISTRICT ENGINEER:

Thomas A. Kerby
THOMAS A. KERBY, PE CO 31429
MERIDIAN SERVICE METROPOLITAN DISTRICT
DATE 5-24-21

WATER AND SANITARY SEWER APPROVALS:

Jim Nikkel
JIM NIKKEL, GENERAL MANAGER
MERIDIAN SERVICE METROPOLITAN DISTRICT
DATE 6/2/2021

BENCH MARK

- 1) MRR01 - 3 1/4" ALUMINUM CAP ON NO.8 REBAR LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF LONDONDERRY DRIVE AND ANGELES ROAD. LOCATED AT THE SE CORNER OF THE MERIDIAN RANCH RECREATIONAL CENTER SIGN. ELEVATION - 7098.40'
- 2) MRRM1 - 3 1/4" ALUMINUM CAP ON NO.6 REBAR LOCATED ON THE WEST SIDE OF RAINBOW BRIDGE DRIVE 1,150 FEET NORTH OF LONDONDERRY DRIVE. LOCATED NEAR THE BACK OF SIDE WALK AT THE NW CORNER OF RAINBOW BRIDGE DRIVE AND THE NORTHERLY ENTRANCE TO MERIDIAN RANCH ELEMENTARY SCHOOL (10480 RAINBOW BRIDGE DRIVE). ELEVATION - 7099.73'

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
RAUL GUZMAN, VICE PRESIDENT
GTL DEVELOPMENT, INC.
DATE 6/1/2021

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
RAUL GUZMAN, VICE PRESIDENT
GTL DEVELOPMENT, INC.
DATE 6/1/2021

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



AS-BUILT
11/15/2022

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.

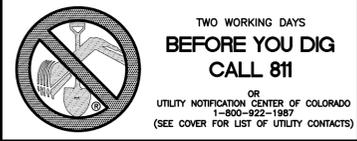
FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA VOL. 1 & 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

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

APPROVED
Engineering Department
07/29/2021 7:20:48 PM
Jennifer Irvine
JENNIFER IRVINE, P.E.
COUNTY ENGINEER / ECM ADMINISTRATOR
EPC Planning & Community
Development Department

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

Scale	AS SHOWN	1 of 32
Drawn by	LOG	DATE
Checked by	TKM	MAY 2021
UTILITY NOTES ADDED (B1 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100)	LOG	DATE
Light Pole Loc. 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120	LOG	DATE
ADDITIONAL WATER VALVES (S18, S19, S20, S21, S22, S23, S24, S25, S26, S27, S28, S29, S30, S31, S32, S33, S34, S35, S36, S37, S38, S39, S40)	LOG	DATE
Revisions	No.	Date / Appr.
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 COVER SHEET		

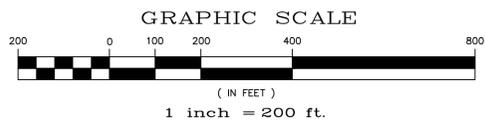
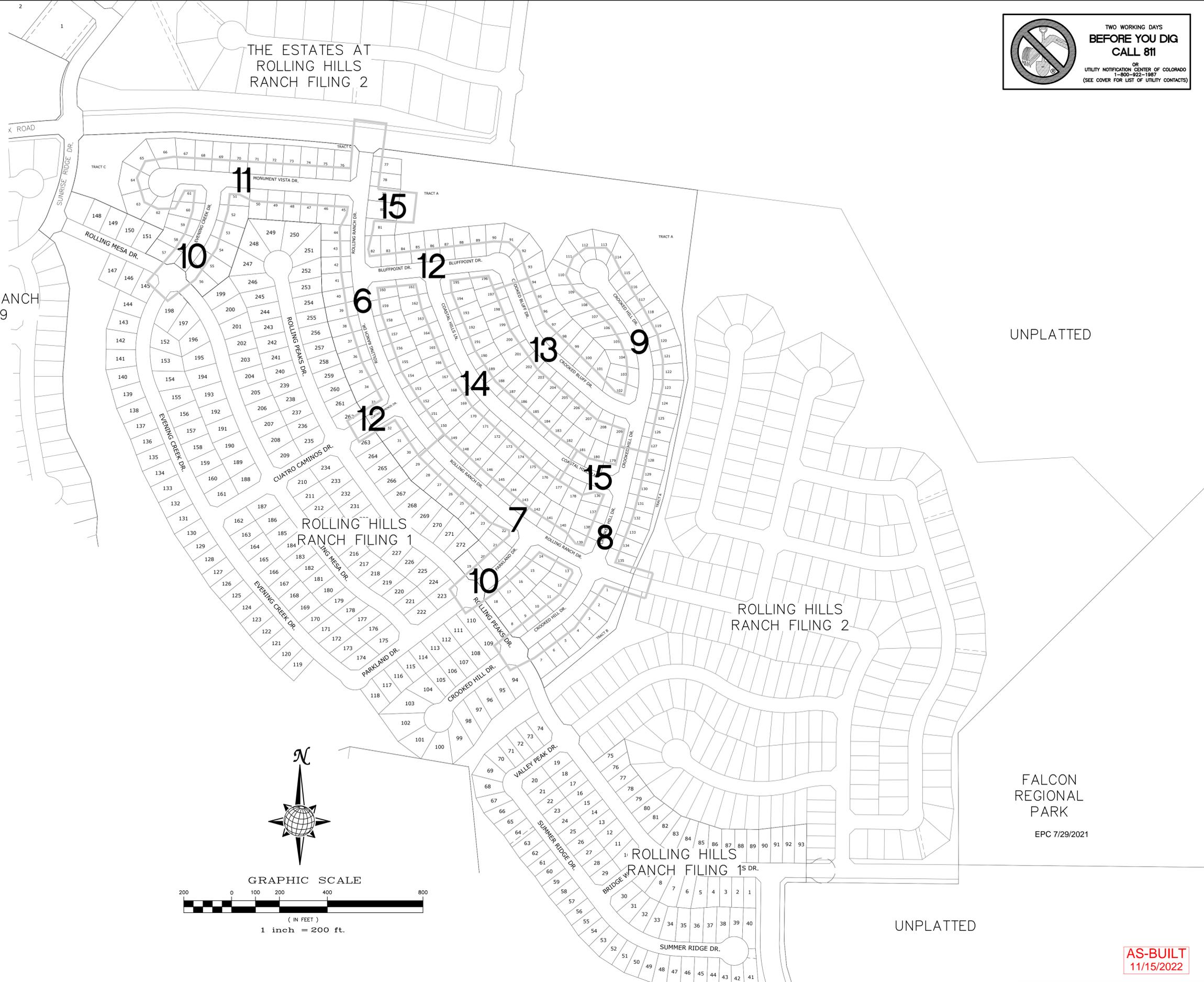


MERIDIAN RANCH
FILING 9

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)

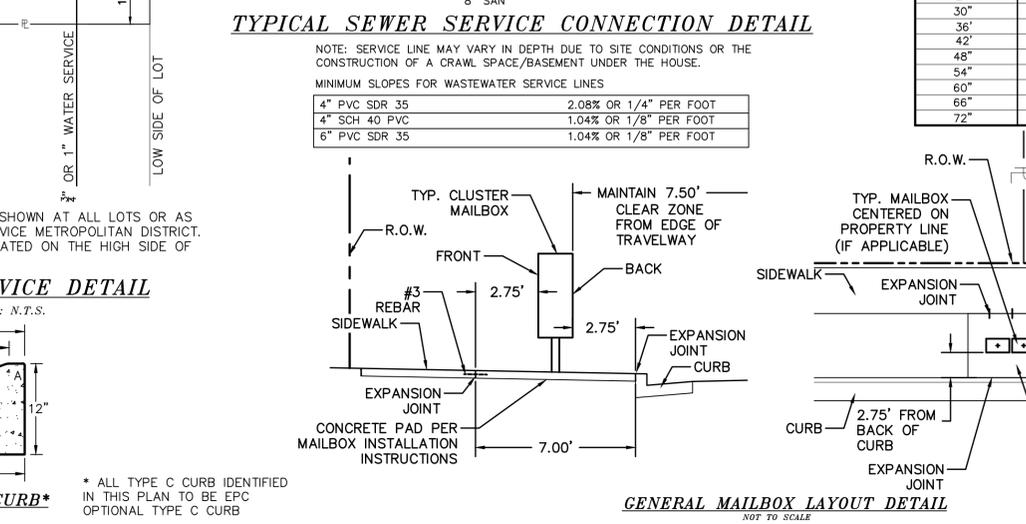
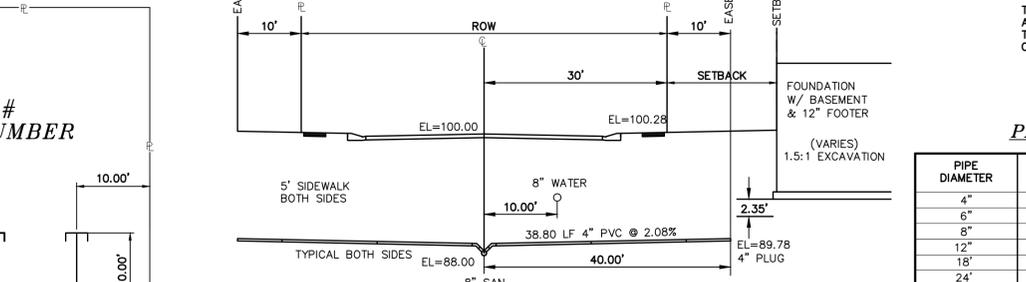
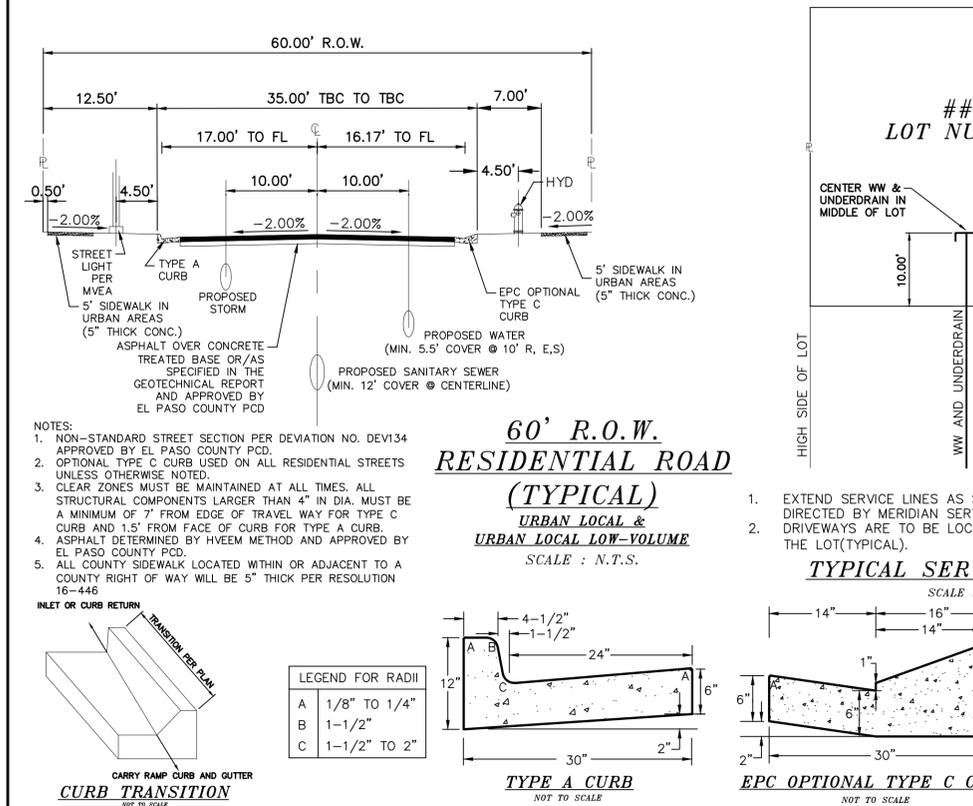
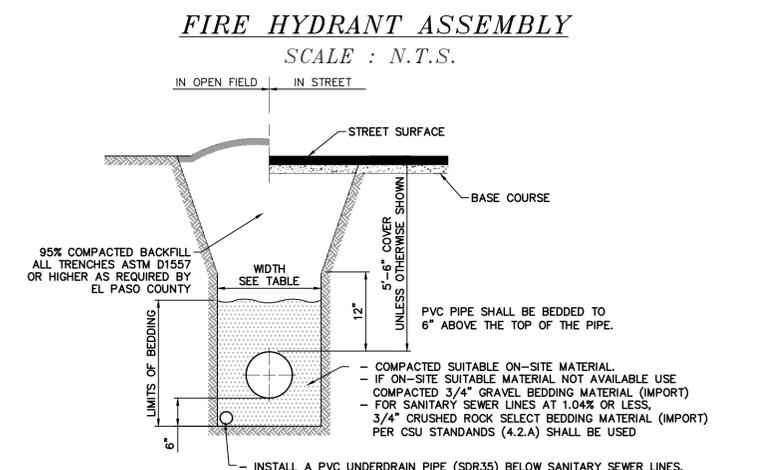
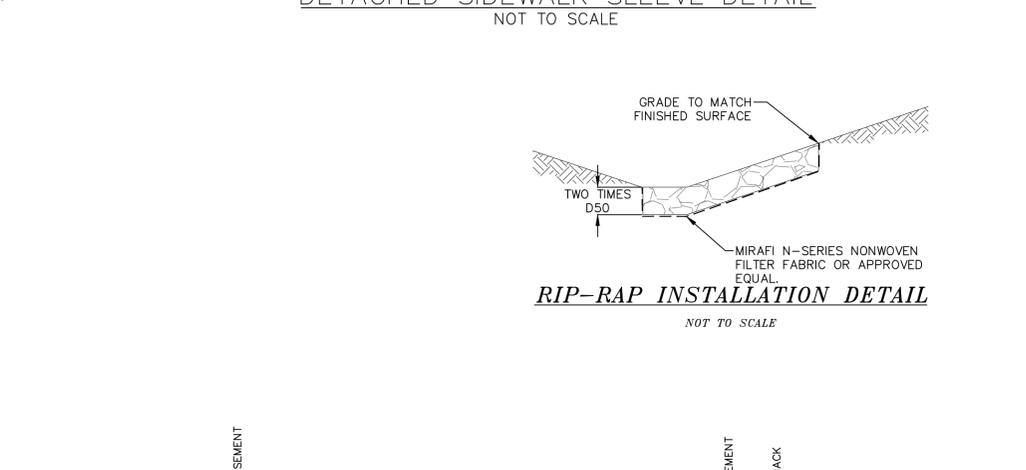
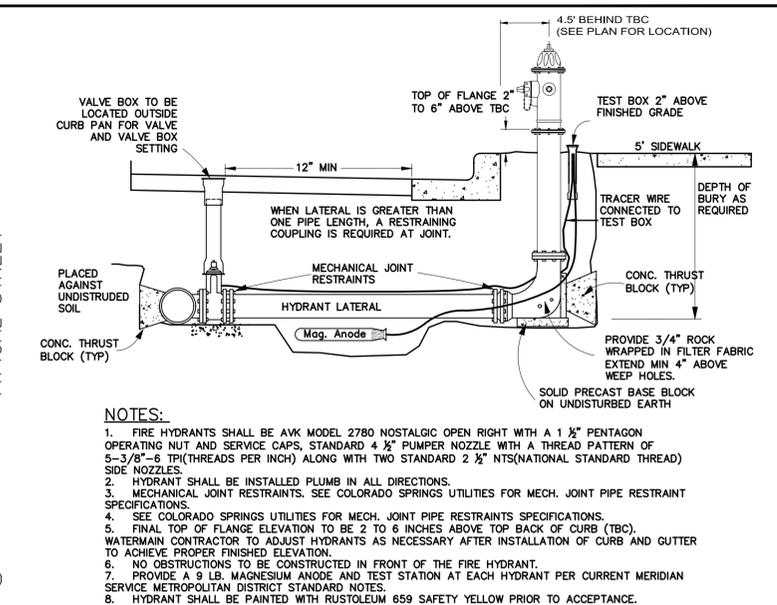
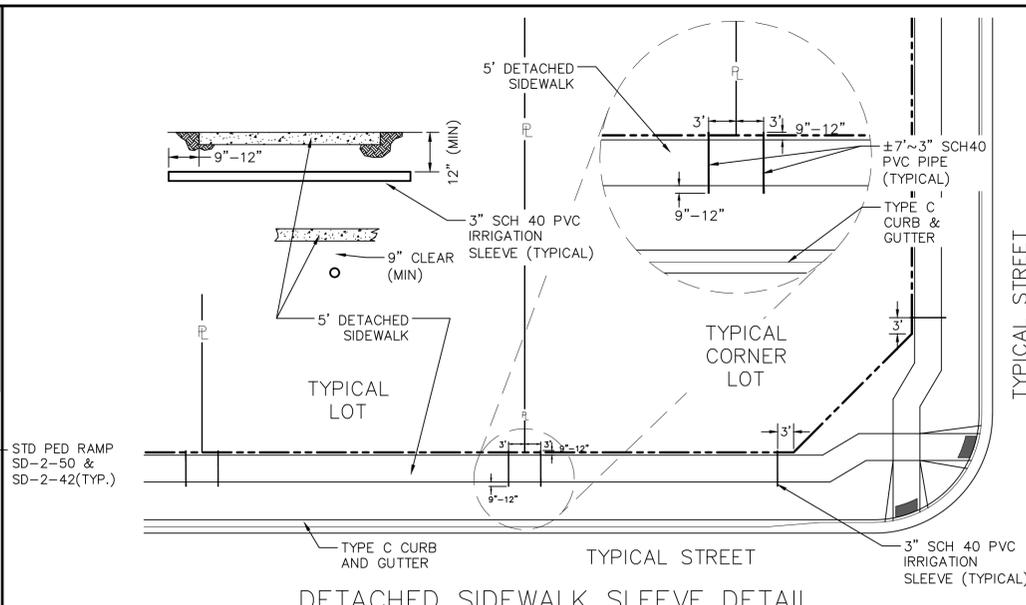
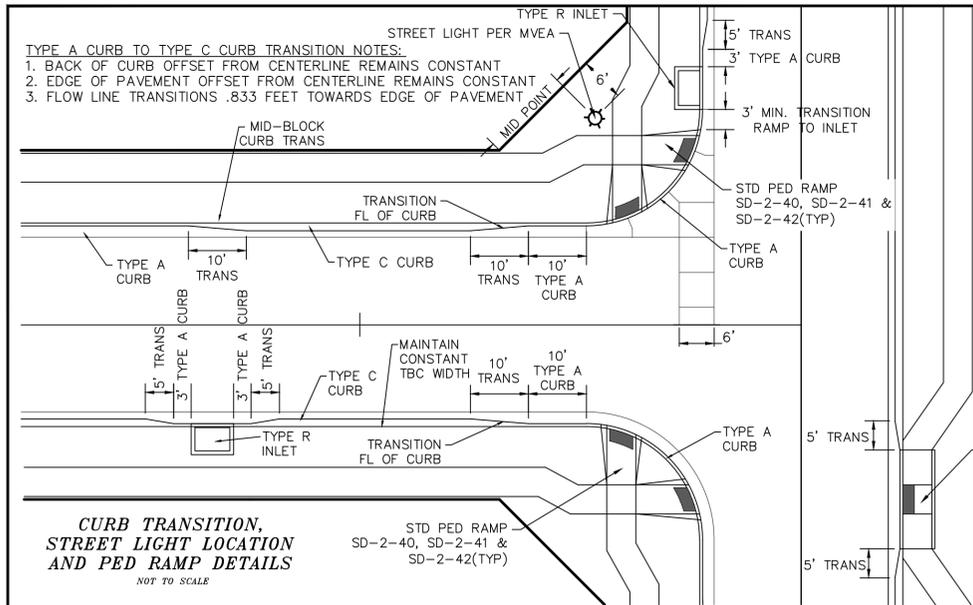


UNPLATTED

FALCON
REGIONAL
PARK
EPC 7/29/2021

UNPLATTED

1	2	3	4	No.	Revisions	Date	Appr.
<p>TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457</p>							
 <p>MERIDIAN RANCH</p>							
<p>ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH STREET AND UTILITY PLANS INDEX SHEET</p>							
Drawn by	LOG	Checked by	TAK	Date	MAY 2021		
Scale	AS SHOWN		2	of	32		
							
<p>AS-BUILT 11/15/2022</p>							



PIPE CHART

PIPE DIAMETER	MINIMUM WIDTH	MAXIMUM WIDTH
4"	1'-4"	4'-0"
6"	1'-6"	4'-0"
8"	1'-8"	4'-0"
12"	2'-0"	4'-0"
18"	3'-0"	4'-0"
24"	3'-6"	4'-0"
30"	4'-0"	6'-0"
36"	5'-0"	6'-0"
42"	6'-0"	8'-0"
48"	6'-0"	8'-0"
54"	8'-0"	8'-0"
60"	8'-0"	8'-0"
66"	8'-0"	10'-0"
72"	10'-0"	12'-0"

LEGEND

SYMBOL	ACRONYM	DESCRIPTION
	RCP W/FES	REINFORCED CONCRETE PIPE W/FLARED END SECTIONS
	INLET	STORM SEWER INLET BOX
	SDMH	STORM SEWER MANHOLE
	ST	STORM SEWER LINE (PUBLIC UNLESS OTHERWISE NOTED)
	SS	SANITARY SEWER MAIN
	SSMH	SANITARY SEWER MANHOLE
	WM	WATER MAIN (ALL PIPES PVC, UNLESS OTHERWISE NOTED)
	GV	WATER GATE VALVE
	BV	WATER BUTTERFLY VALVE
	BOV	WATER BLOW-OFF VALVE
	HYD ASSY	FIRE HYDRANT ASSEMBLY
	TEE W/GV	WATER TEE W/ GATE VALVES
	ATT SW	ATTACHED SIDEWALK
	STANDARD PED RAMP PER SD-2-40 & M-608-1 (SH 6 OF 6)	
	ANODE (CATHODIC PROTECTION)	
	TS	TEST STATION
	HB	HAY BALE DAM
	SF	SILT FENCE
	EXIST	EXISTING FEATURES
	123	LOT NUMBERS
	SL	CROSS PAN PER SD-2-26
	SL	STREET LIGHT PER MOUNTAIN VIEW ELECTRIC ASSOCIATION (MVEA)
	R1-1	STOP SIGN - R1-1, 30x30 UNLESS OTHERWISE NOTED
	100	EXISTING CONTOUR (10')
	20	EXISTING CONTOUR (2')

AS-BUILT 11/15/2022

EPC 7/29/2021

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

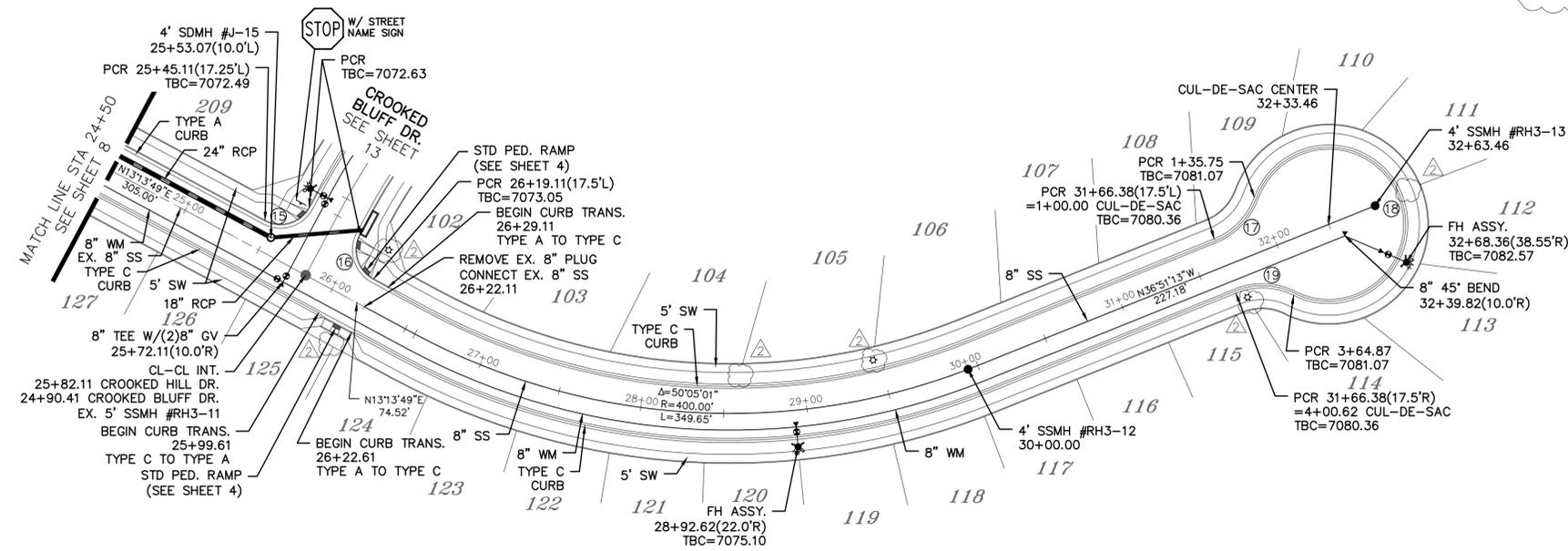
DETAIL SHEET

Drawn by: LOG
Checked by: TJK
Date: MAY 2021

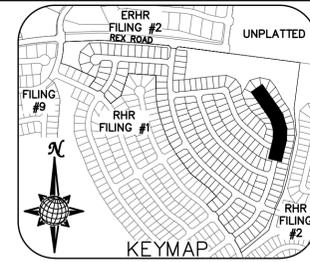
Scale: AS SHOWN
4 of 32

Colorado Licensed Professional Engineer
31429

PCD PROJECT NO. SF-21-016



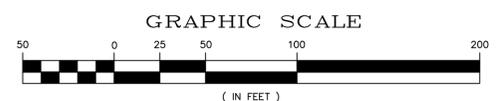
NOTE:
1) FOR EXISTING SEWER ON THIS SHEET SEE CONSTRUCTION PLANS FOR ESTATES AT ROLLING HILLS RANCH FILING 2



CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
15	30.63'	19.50'	90°00'00"
16	30.63'	19.50'	90°00'00"
17	35.75'	42.50'	48°11'23"
18	229.13'	47.50'	276°22'46"
19	35.75'	42.50'	48°11'23"

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

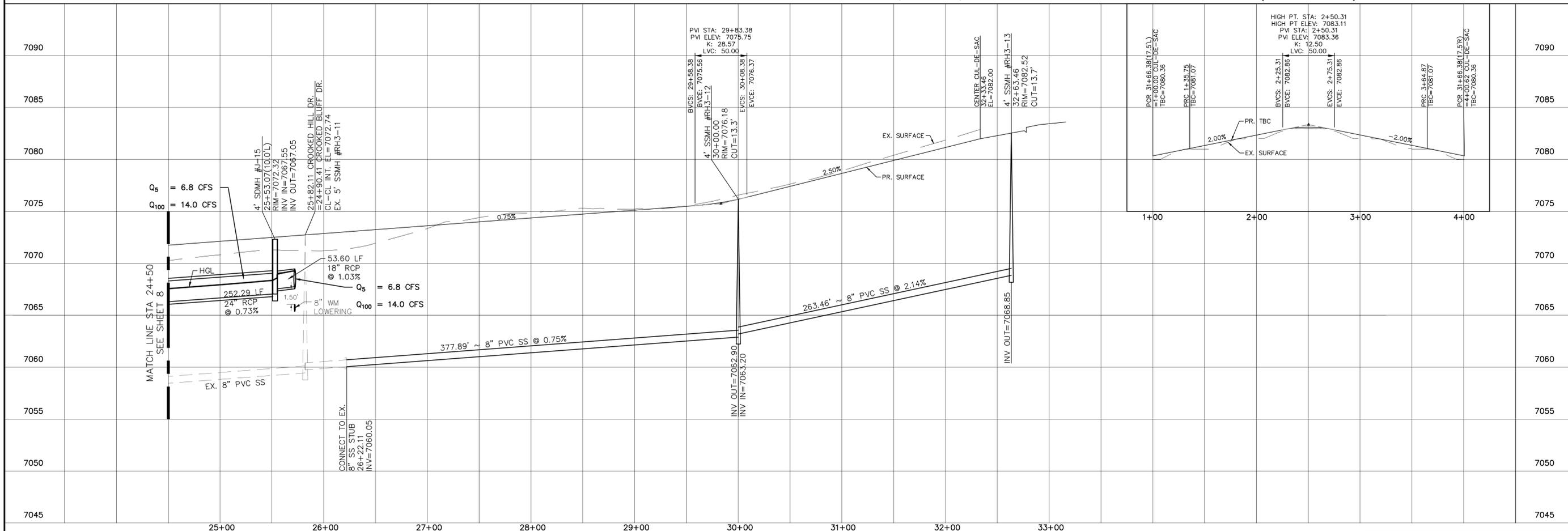
AS-BUILT
11/15/2022



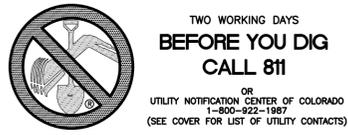
CROOKED HILL DR.

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

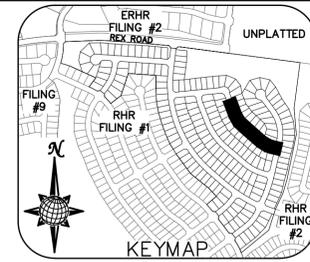
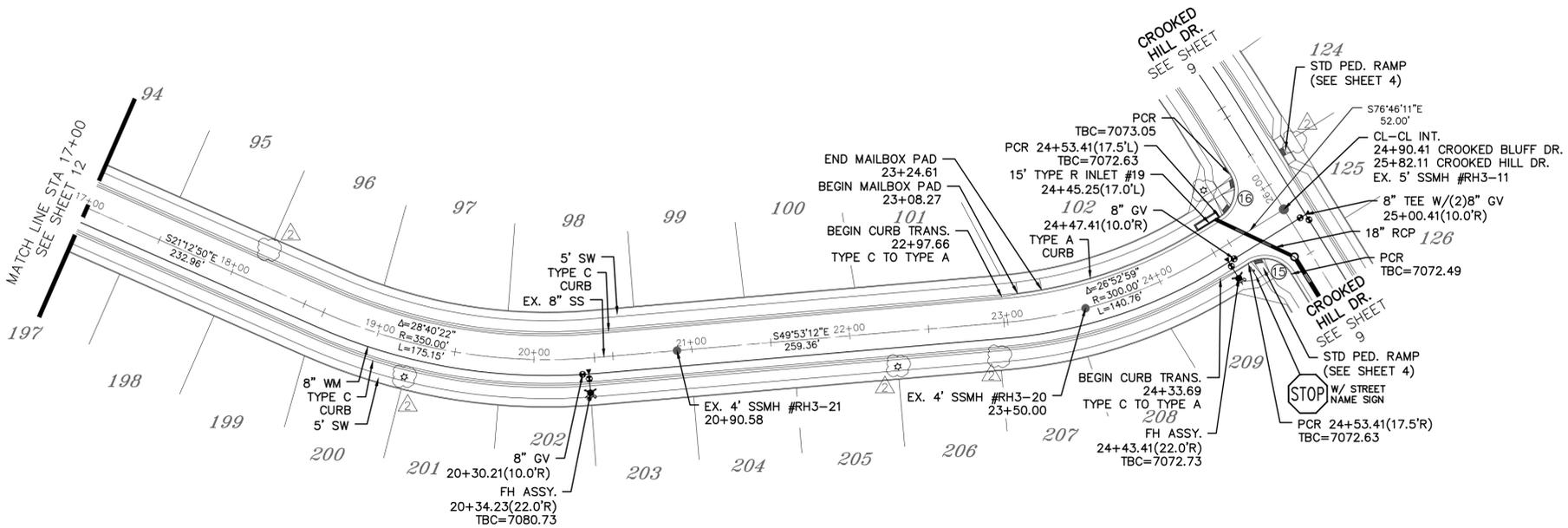
CROOKED HILL DR.
CUL-DE-SAC
(ALL GRADES ARE TBC)



LOG	11/09/2021	THK		Date	11/09/2021	Appr.	
UTILITY NOTES ADDED	08/16/2021	08/16/2021	11/15/2022				
TECH CONTRACTORS	11886 STAPLETON DRIVE		FALCON, CO 80831		TELEPHONE:	719.495.7444	
					FAX:	719.495.2457	
Scale	AS SHOWN	9	of	32			
Drawn by	LOG	Checked by	THK	Date	MAY 2021		



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



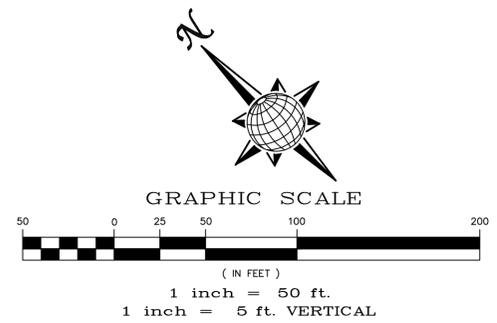
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
15	30.63'	19.50'	90°00'00"
16	30.63'	19.50'	90°00'00"

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

AS-BUILT
11/15/2022

CROOKED BLUFF DR.

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



LOG	Date	Appr.
10/05/21	11/09/2021	

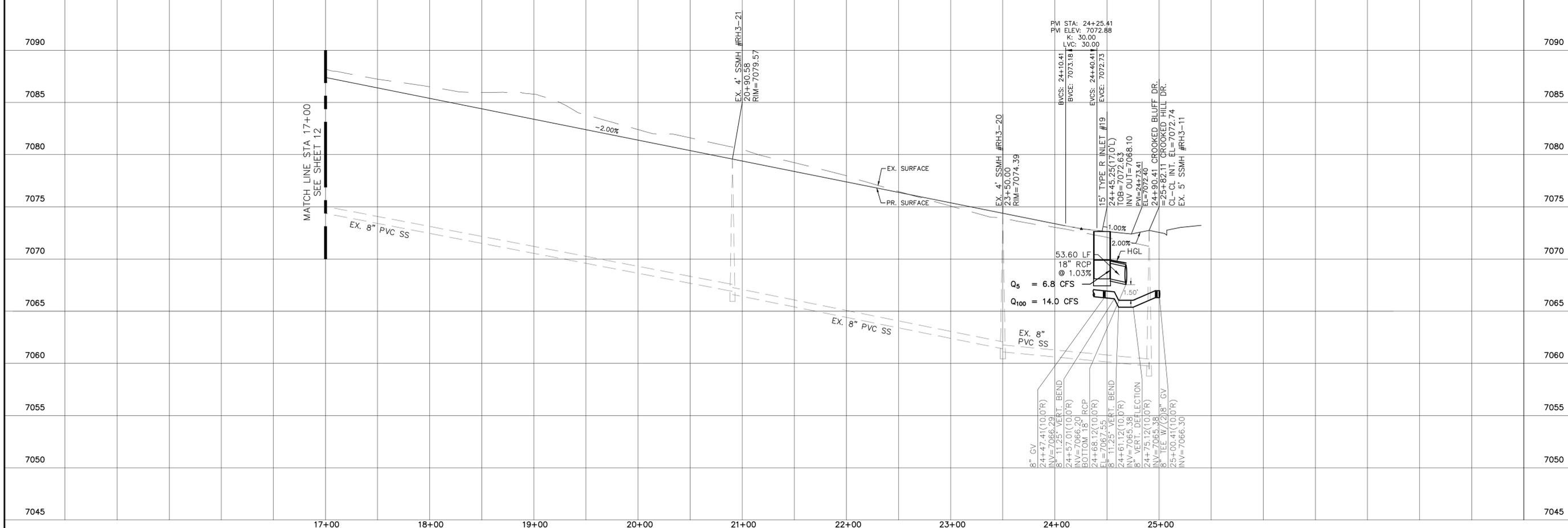
TECH CONTRACTORS
11886 STAPLETON DRIVE
FALCON, CO 80831
TELEPHONE: 719.495.7444
FAX: 719.495.2457

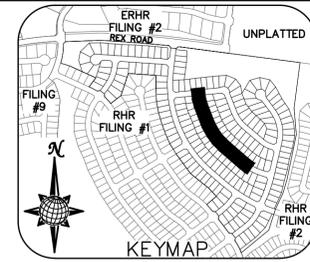


ROLLING HILLS RANCH FILING 3
AT MERIDIAN RANCH
STREET AND UTILITY PLANS
CROOKED BLUFF DR.

Drawn by LOG
Checked by TJK
Date MAY 2021

Scale AS SHOWN
13 of 32

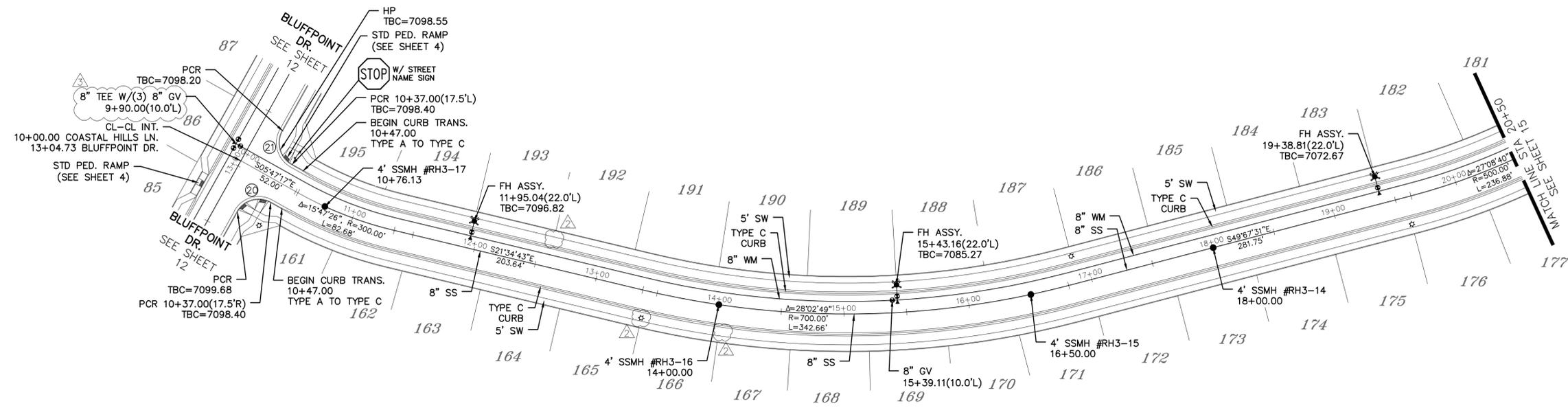




CURVE	LENGTH	RADIUS	DELTA
20	30.63'	19.50'	90°00'00"
21	30.63'	19.50'	90°00'00"

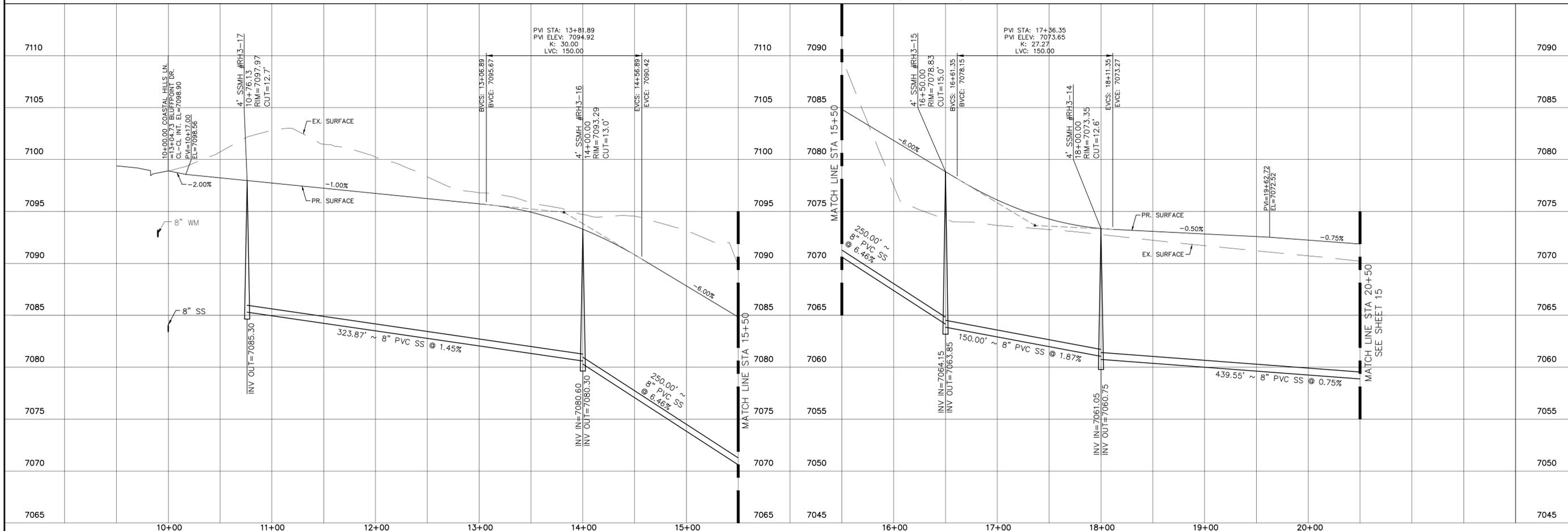
ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)

AS-BUILT
11/15/2022



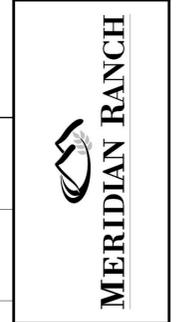
COASTAL HILLS LN.

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



LOG	THK	LOG	Date	Appr.	Date
10/05/21					
11/09/2021					
11/15/2022					

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.

Drawn by LOG
Checked by THK
Date MAY 2021

Scale AS SHOWN
14 of 32



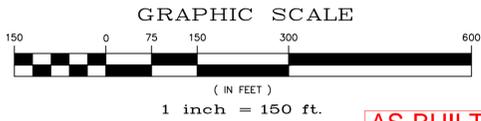
THE ESTATES AT
ROLLING HILLS RANCH
FILING 2

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

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

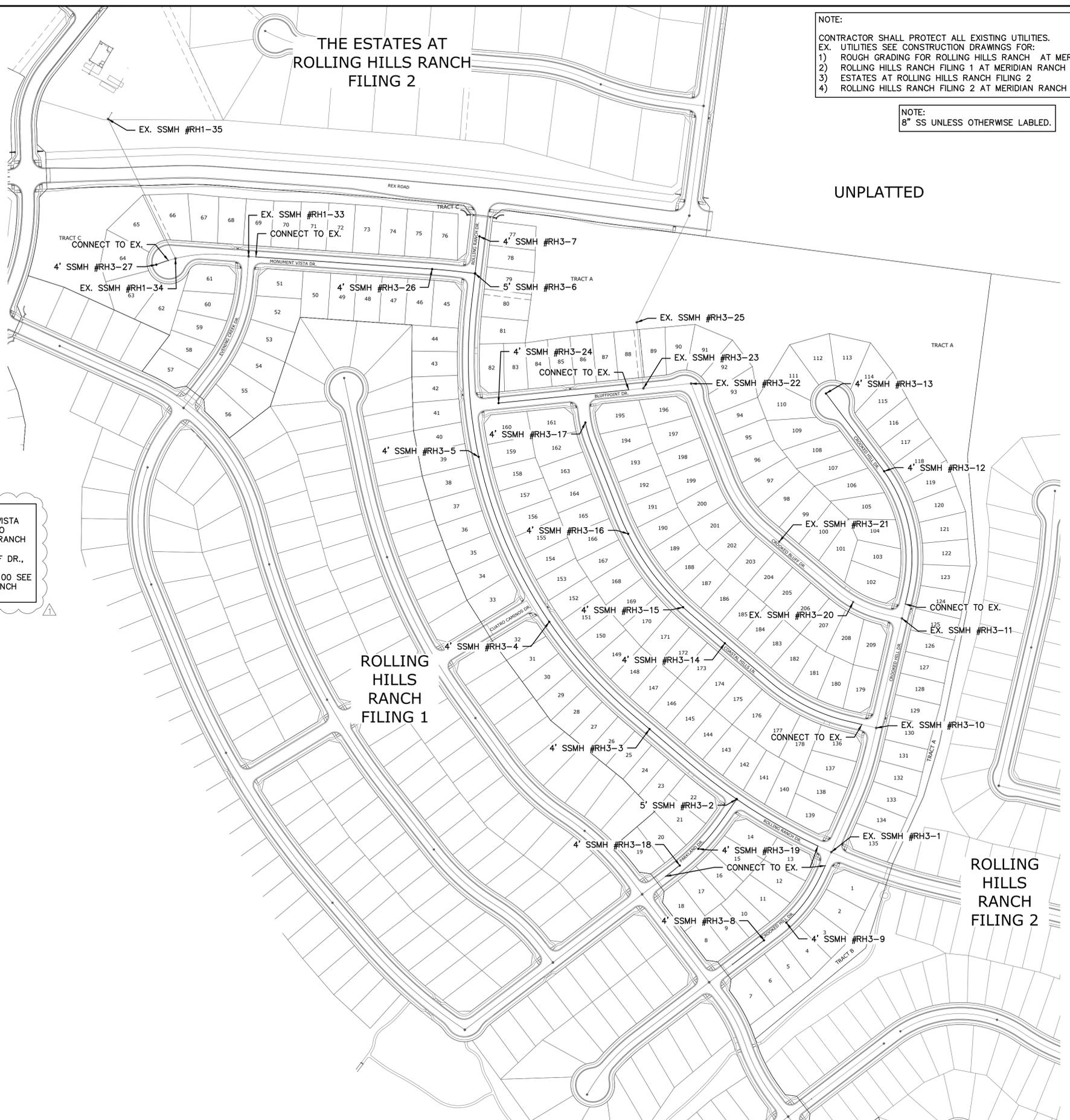
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

NOTE:
8" SS UNLESS OTHERWISE LABELED.



AS-BUILT
11/15/2022

NOTE:
1) FOR EXISTING SEWER IN EVENING CREEK DR., MONUMENT VISTA DR., PARKLAND DR. AND CROOKED HILL DR. STA 13+50 TO 15+03.68 SEE CONSTRUCTION PLANS FOR ROLLING HILLS RANCH FILING 1 AT MERIDIAN RANCH
2) FOR EXISTING SEWER IN BLUFF POINT DR., CROOKED BLUFF DR., COASTAL HILLS LN., CROOKED HILL DR. STA 18+77.79 TO 26+22.11 & ROLLING RANCH DR STA 31+58.71 TO 34+50.00 SEE CONSTRUCTION PLANS FOR ESTATES AT ROLLING HILLS RANCH FILING 2



LOG	10/05/21	1	2	3	4	No.	Revisions	Date	Appr.
UTILITY NOTES ADDED (BH 67/88/101/12/18/16/17/18/20/21 + 22)									
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 OVERALL SANITARY SEWER									
Scale	AS SHOWN	16	of	32					
Drawn by	LOG	Checked by	TAK	Date	MAY 2021				

THE ESTATES AT
ROLLING HILLS RANCH
FILING 2

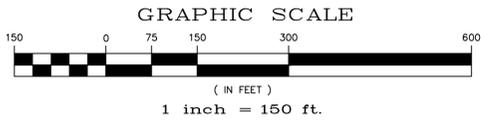
NOTE:
CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
1) ROUGH GRADING FOR ROLLING HILLS RANCH AT MERIDIAN RANCH
2) ROLLING HILLS RANCH FILING 1 AT MERIDIAN RANCH
3) ESTATES AT ROLLING HILLS RANCH FILING 2
4) ROLLING HILLS RANCH FILING 2 AT MERIDIAN RANCH



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)

NOTE:
1) FOR SERVICES ON LOTS 7, 8, 51-61 & 66-68 SEE CONSTRUCTION PLANS FOR ROLLING HILLS RANCH FILING 1 AT MERIDIAN RANCH
2) FOR SERVICES ON LOTS 88-101, 125-139 & 196-209 SEE CONSTRUCTION PLANS FOR ESTATES AT ROLLING HILLS RANCH FILING 2

UNPLATTED



ROLLING
HILLS
RANCH
FILING 1

ROLLING
HILLS
RANCH
FILING 2

LOG	10/05/21	UTILITY NOTES ADDED (8/15/21, 8/16/21, 8/17/21, 8/18/21, 8/19/21, 8/20/21, 8/21/21)	Date	Appr.
LOG	2		Date	Appr.
LOG	3		Date	Appr.
LOG	4		Date	Appr.
Revisions		No.		
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 OVERALL SANITARY SEWER SERVICES				
Drawn by	LOG	Checked by	TAK	Date
Scale	AS SHOWN	17	of	32
MAY 2021				
				

AS-BUILT
11/15/2022

EPC 7/29/2021

THE ESTATES AT
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

 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)

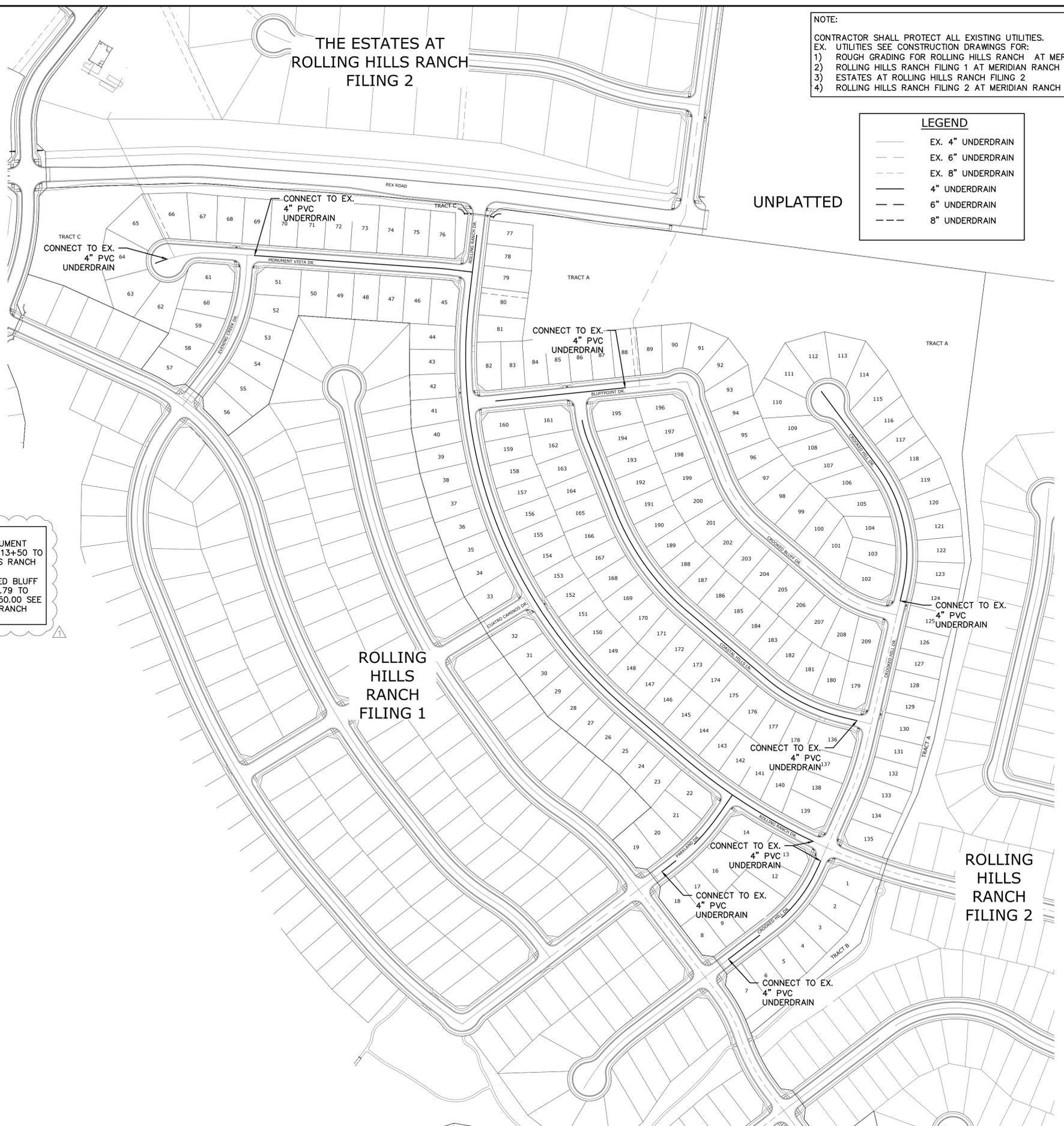
LEGEND

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


GRAPHIC SCALE
(IN FEET)
1 inch = 150 ft.



NOTE:
1) FOR EXISTING UNDERDRAIN IN EVENING CREEK DR., MONUMENT VISTA DR., PARKLAND DR. AND CROOKED HILL DR. STA 13+50 TO 15+03.68 SEE CONSTRUCTION PLANS FOR ROLLING HILLS RANCH FILING 1 AT MERIDIAN RANCH
2) FOR EXISTING UNDERDRAIN IN BLUFF POINT DR., CROOKED BLUFF DR., COASTAL HILLS LN., CROOKED HILL DR. STA 18+77.79 TO 26+22.11 & ROLLING RANCH DR STA 31+58.71 TO 34+50.00 SEE CONSTRUCTION PLANS FOR ESTATES AT ROLLING HILLS RANCH FILING 2



Scale	AS SHOWN	18 of 32	Drawn by LOG	Checked by TAK	Date MAY 2021
ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL UNDERDRAIN					
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
 MERIDIAN RANCH					
LOG					
10/05/21					Date
					Appr.
					Date
					Revisions
					No.

AS-BUILT
11/15/2022

EPC 7/29/2021



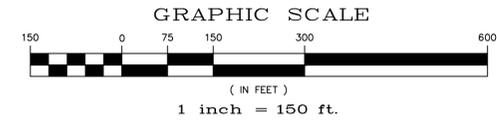
THE ESTATES AT
ROLLING HILLS RANCH
FILING 2

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



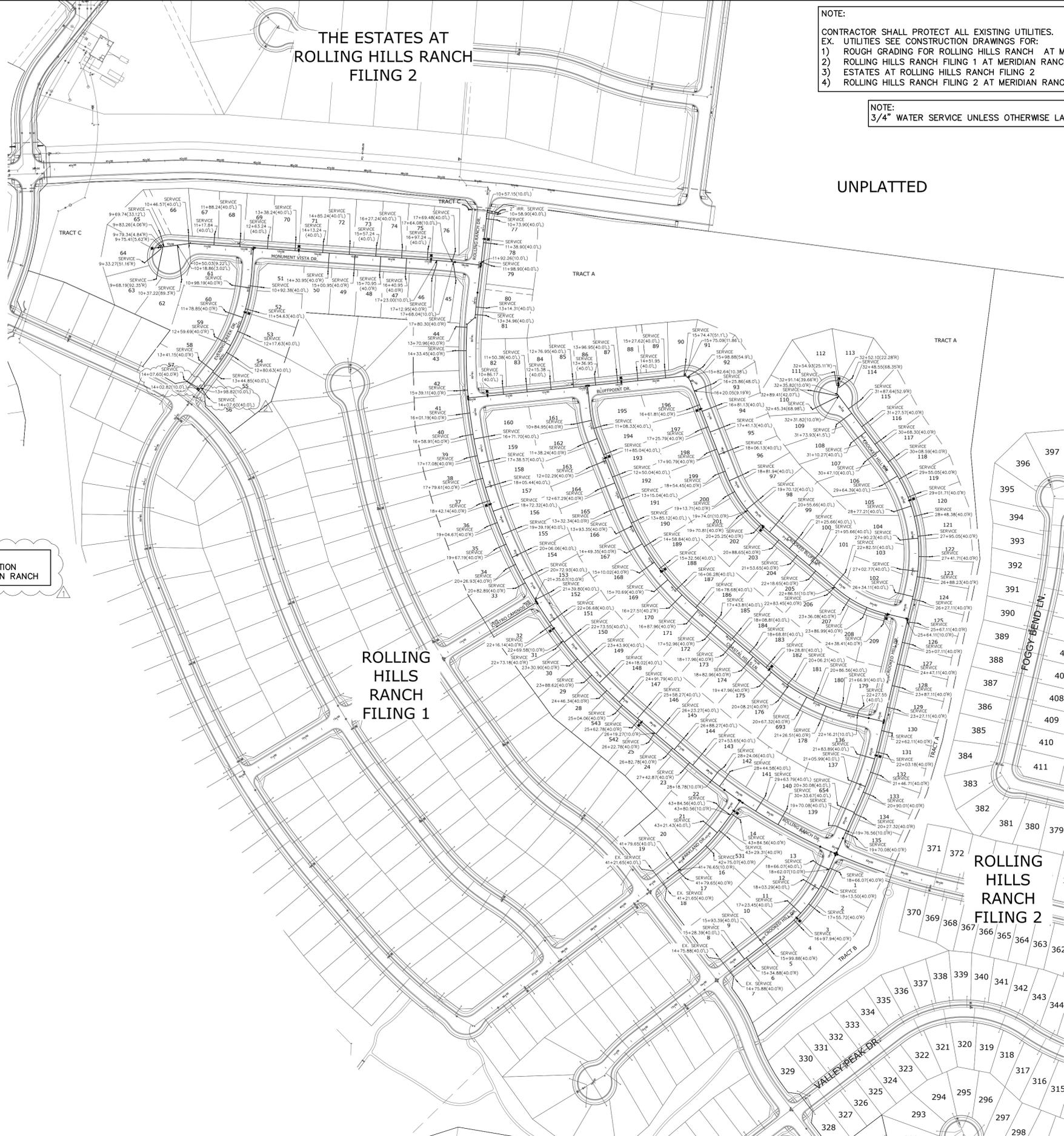
TWO WORKING DAYS
**BEFORE YOU DIG
CALL 811**
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

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

NOTE:
1) FOR SERVICES ON LOTS 7, 8, 18 & 19 SEE CONSTRUCTION
PLANS FOR ROLLING HILLS RANCH FILING 1 AT MERIDIAN RANCH



ROLLING
HILLS
RANCH
FILING 1

ROLLING
HILLS
RANCH
FILING 2

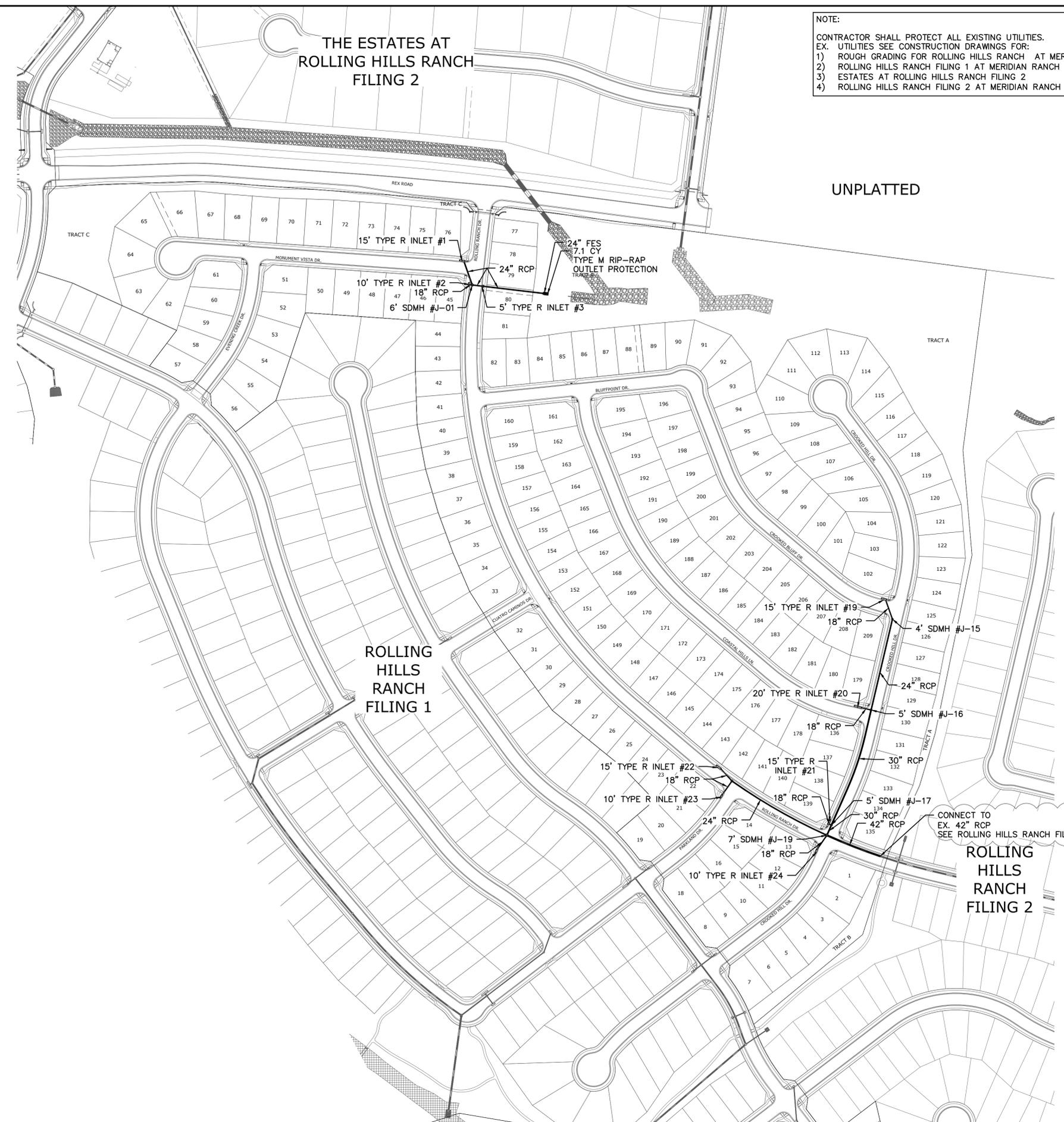
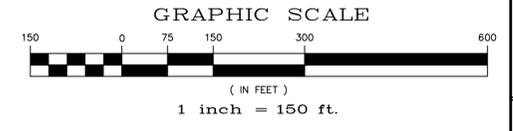
LOG	THK	DATE	APPR.
10/05/21	11/09/2021		
UTILITY NOTES ADDED (8/15/21) (8/16/21) (8/17/21) (8/18/21) (8/19/21) (8/20/21) (8/21/21) (8/22/21) (8/23/21) (8/24/21) (8/25/21) (8/26/21) (8/27/21) (8/28/21) (8/29/21) (8/30/21) (8/31/21) (9/1/21) (9/2/21) (9/3/21) (9/4/21) (9/5/21) (9/6/21) (9/7/21) (9/8/21) (9/9/21) (9/10/21) (9/11/21) (9/12/21) (9/13/21) (9/14/21) (9/15/21) (9/16/21) (9/17/21) (9/18/21) (9/19/21) (9/20/21) (9/21/21) (9/22/21) (9/23/21) (9/24/21) (9/25/21) (9/26/21) (9/27/21) (9/28/21) (9/29/21) (9/30/21) (9/31/21) (10/1/21) (10/2/21) (10/3/21) (10/4/21) (10/5/21) (10/6/21) (10/7/21) (10/8/21) (10/9/21) (10/10/21) (10/11/21) (10/12/21) (10/13/21) (10/14/21) (10/15/21) (10/16/21) (10/17/21) (10/18/21) (10/19/21) (10/20/21) (10/21/21) (10/22/21) (10/23/21) (10/24/21) (10/25/21) (10/26/21) (10/27/21) (10/28/21) (10/29/21) (10/30/21) (10/31/21) (11/1/21) (11/2/21) (11/3/21) (11/4/21) (11/5/21) (11/6/21) (11/7/21) (11/8/21) (11/9/21) (11/10/21) (11/11/21) (11/12/21) (11/13/21) (11/14/21) (11/15/21) (11/16/21) (11/17/21) (11/18/21) (11/19/21) (11/20/21) (11/21/21) (11/22/21) (11/23/21) (11/24/21) (11/25/21) (11/26/21) (11/27/21) (11/28/21) (11/29/21) (11/30/21) (11/31/21) (12/1/21) (12/2/21) (12/3/21) (12/4/21) (12/5/21) (12/6/21) (12/7/21) (12/8/21) (12/9/21) (12/10/21) (12/11/21) (12/12/21) (12/13/21) (12/14/21) (12/15/21) (12/16/21) (12/17/21) (12/18/21) (12/19/21) (12/20/21) (12/21/21) (12/22/21) (12/23/21) (12/24/21) (12/25/21) (12/26/21) (12/27/21) (12/28/21) (12/29/21) (12/30/21) (12/31/21)			
1	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 STREET AND UTILITY PLANS OVERALL WATER SERVICES			
Scale	AS SHOWN	21 of 32	
Drawn by	LOG	Checked by	THK
		Date	MAY 2021
			

AS-BUILT
11/15/2022

THE ESTATES AT
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

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)



ROLLING
HILLS
RANCH
FILING 1

UNPLATTED

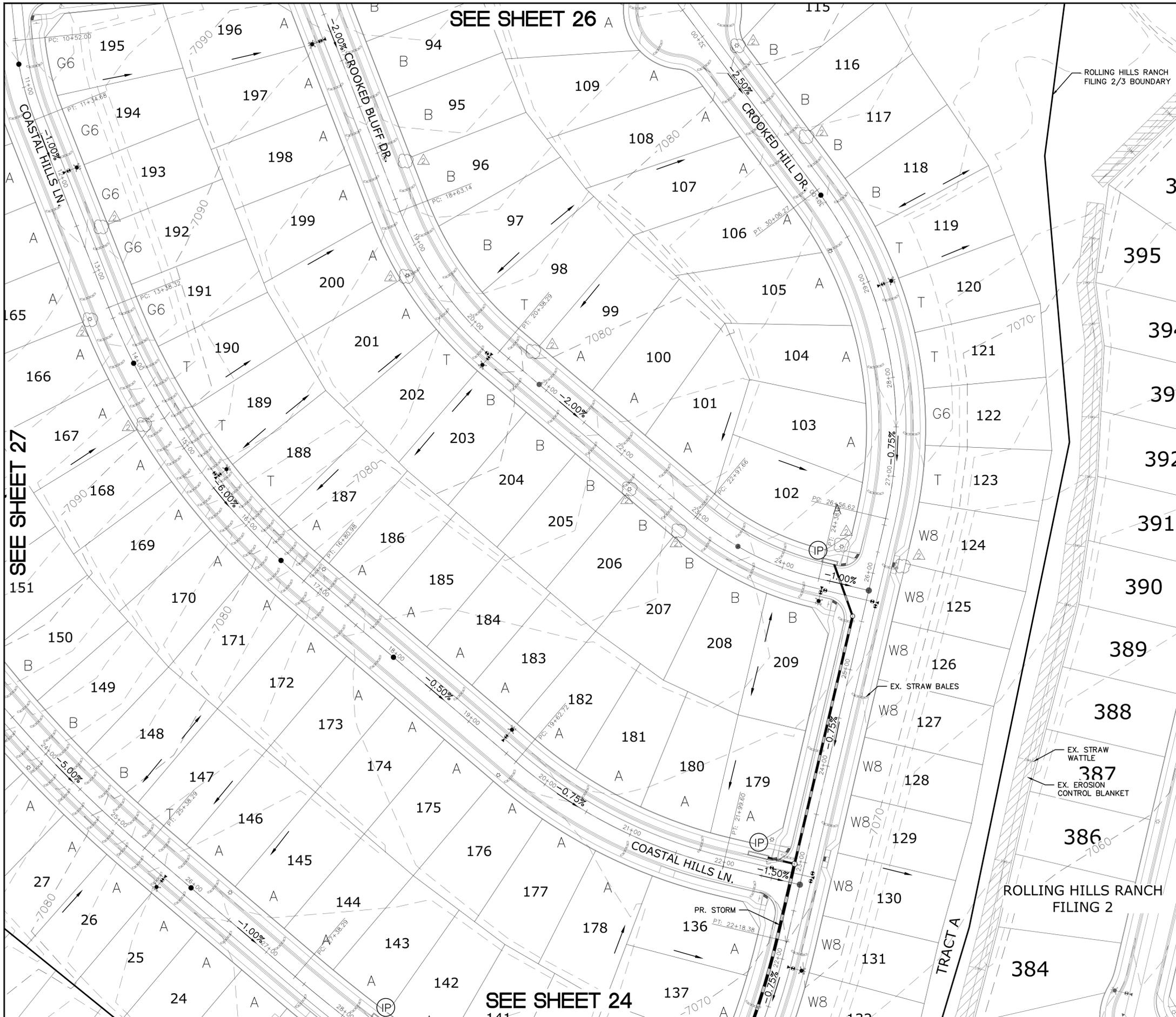
ROLLING
HILLS
RANCH
FILING 2

Scale AS SHOWN 22 of 32	Drawn by LOG	Checked by TAK	Date MAY 2021																				
	ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL STORM DRAIN																						
	TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457																						
	<p>MERIDIAN RANCH</p>																						
UTILITY NOTES ADDED (8/16/21, 8/17/21, 8/18/21, 8/19/21, 8/20/21, 8/21/21, 8/22/21)																							
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No.	Revisions	Date	Appr.																				
1																							
2																							
3																							
4																							

AS-BUILT
11/15/2022

EPC 7/29/2021

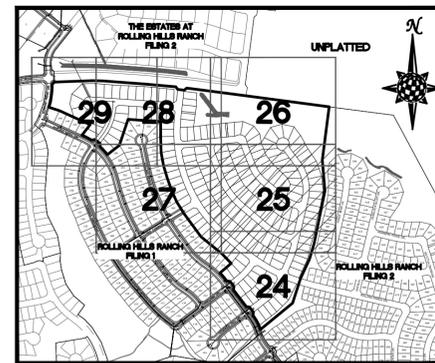




SEE SHEET 26

SEE SHEET 27

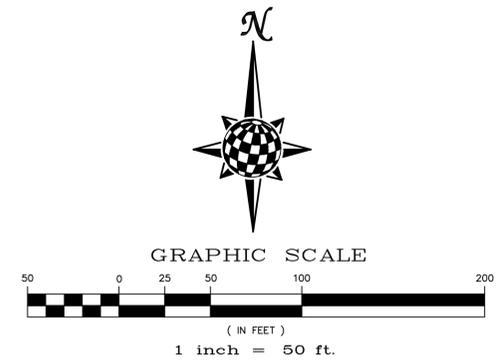
SEE SHEET 24



INDEX MAP
N.T.S.

LEGEND

SYMBOL	ACRONYM	DESCRIPTION
		STRAW BALES
		EROSION WATTLE 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
	2.00%	GRADE
	75	LOT NUMBER
	A	LOT GRADE TYPE



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 31.

CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.

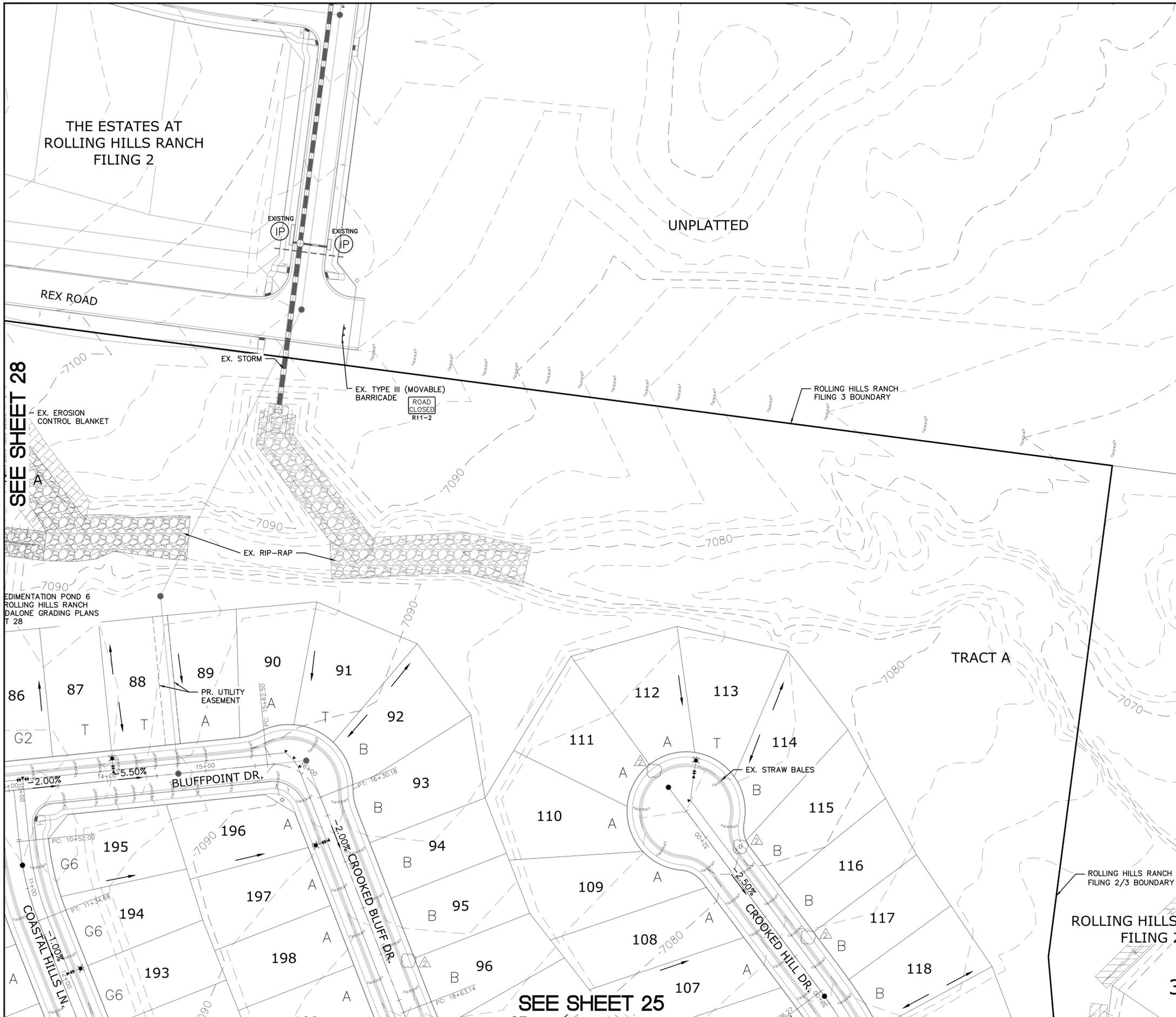
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
1) ROLLING HILLS RANCH ROUGH GRADING
2) ROLLING HILLS RANCH FILING 1
3) ESTATES AT ROLLING HILLS RANCH FILING 2
4) ROLLING HILLS RANCH FILING 2

AS-BUILT
11/15/2022

TWO WORKING DAYS
BEFORE YOU DIG CALL 811

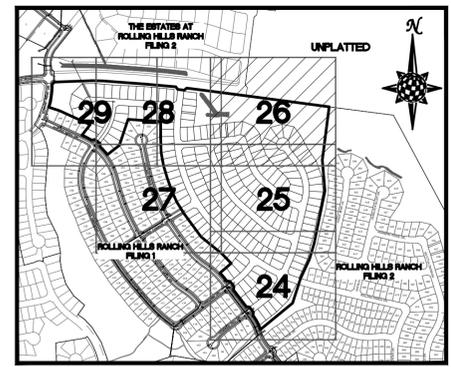
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

UNLTY NOTES ADDED (8/15/2021)	LOG	DATE	APPR.
LIGHT POLE LOC. 981, 13, 14, 25, 26, 27, 28, 12' W/16, 10', 11', 20, 21	TKM	11/09/2021	
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		Revisions	
1	2	3	4
ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH GRADING/EROSION CONTROL PLAN		GRADING LAYOUT	
Scale	AS SHOWN	25 of 32	DATE
Drawn by	LOG	Checked by	TKM
			MAY 2021
PCD PROJECT NO. SF-21-016			



SEE SHEET 28

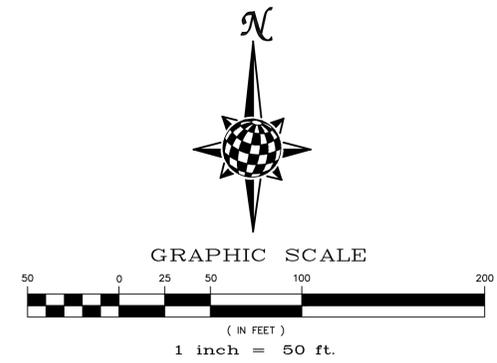
SEE SHEET 25



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
	2.00%	GRADE
	75	LOT NUMBER
	A	LOT GRADE TYPE



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 31.

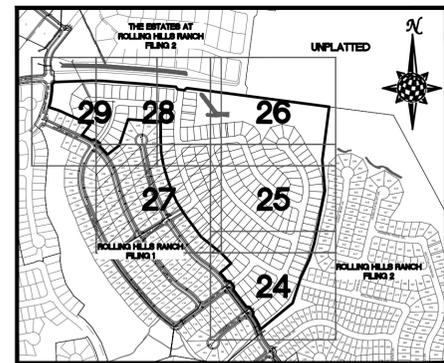
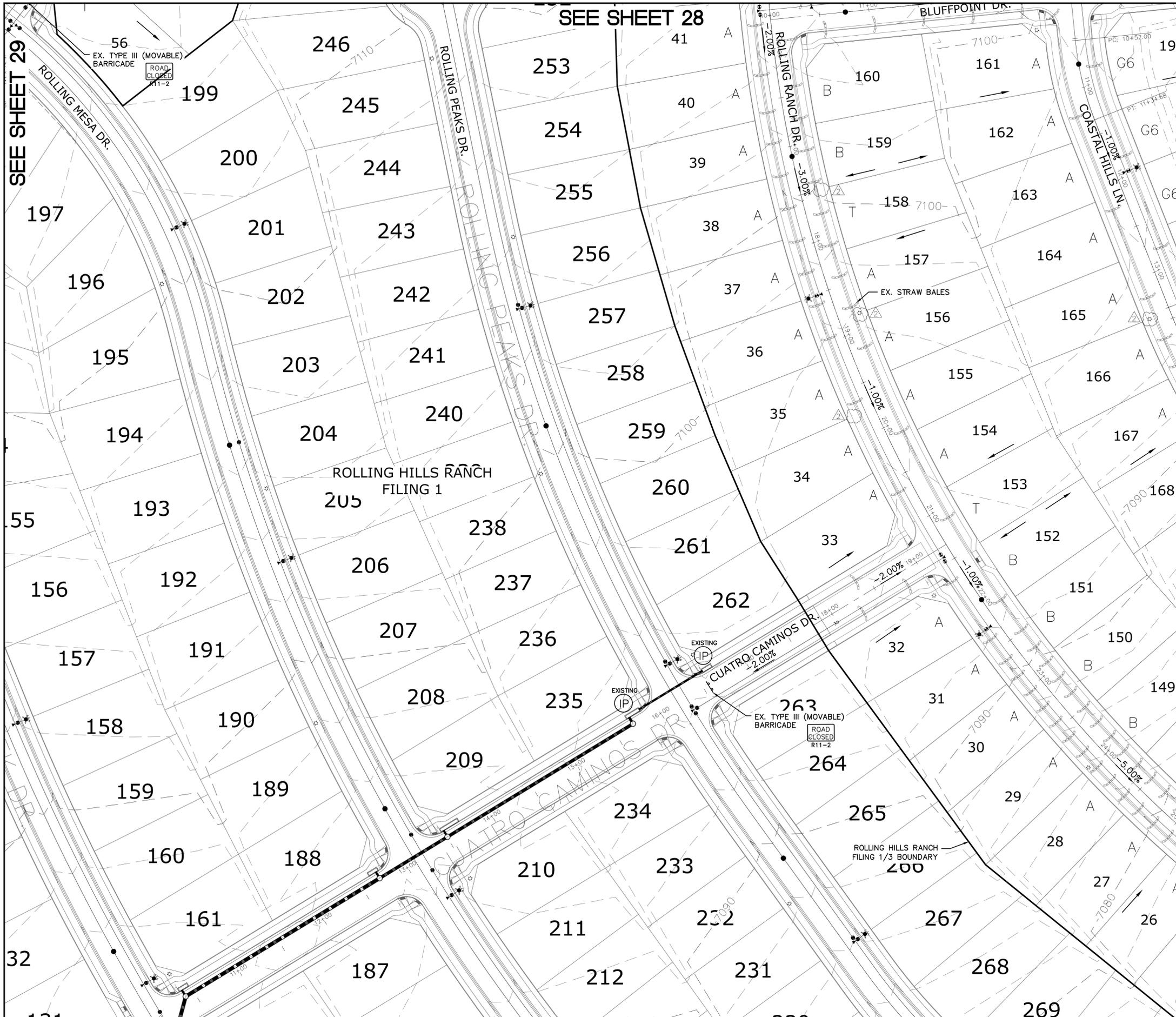
CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
1) ROLLING HILLS RANCH ROUGH GRADING
2) ROLLING HILLS RANCH FILING 1
3) ESTATES AT ROLLING HILLS RANCH FILING 2
4) ROLLING HILLS RANCH FILING 2

AS-BUILT
11/15/2022



TWO WORKING DAYS
BEFORE YOU DIG
CALL 811
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1887
(SEE COVER FOR LIST OF UTILITY CONTACTS)

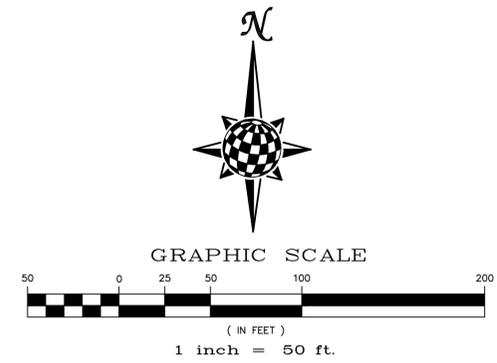
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1	2	3	4	No.	
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
MERIDIAN RANCH					
ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH GRADING/EROSION CONTROL PLAN GRADING LAYOUT					
Scale	AS SHOWN	26 of 32	Drawn by	LOG	Checked by
					THK
					Date
					MAY 2021
PCD PROJECT NO. SF-21-016					



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 SUB-GRADE AS SHOWN IN THEIR RESPECTIVE TYPICAL STREET SECTION SHOWN ON SHEET 31.

CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.

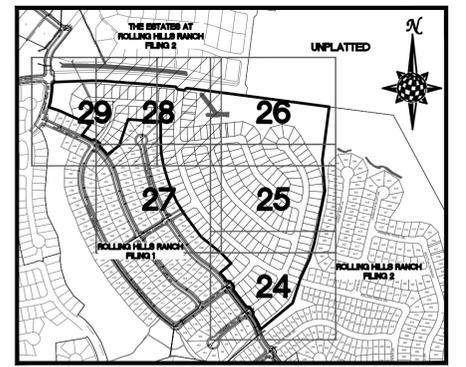
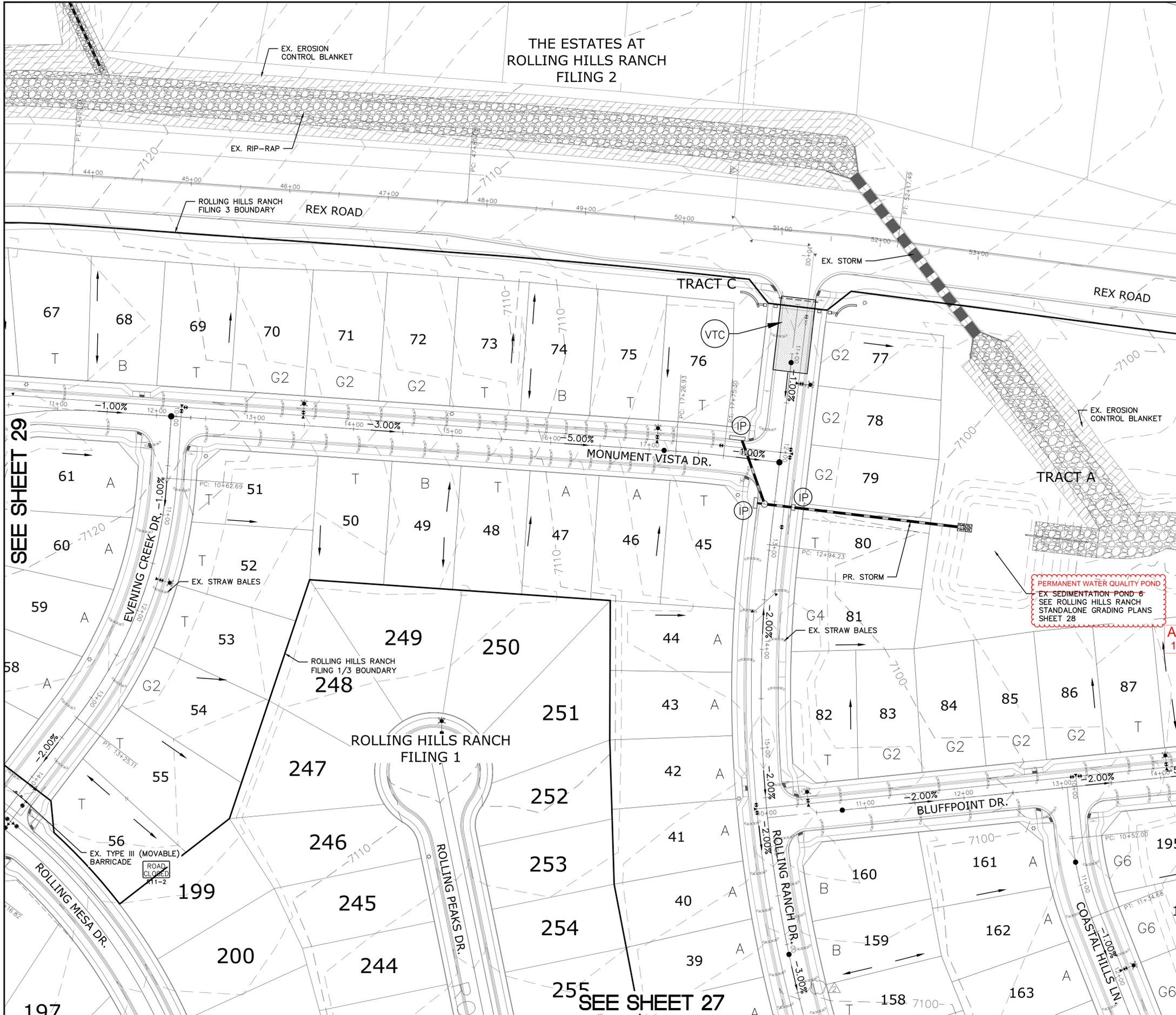
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
1) ROLLING HILLS RANCH ROUGH GRADING
2) ROLLING HILLS RANCH FILING 1
3) ESTATES AT ROLLING HILLS RANCH FILING 2
4) ROLLING HILLS RANCH FILING 2

AS-BUILT
11/15/2022



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)

UTILITY NOTES ADDED (B1 5/7/2021; B2 5/16/2021; B3 5/16/2021; B4 5/16/2021; B5 5/16/2021; B6 5/16/2021; B7 5/16/2021; B8 5/16/2021; B9 5/16/2021; B10 5/16/2021; B11 5/16/2021; B12 5/16/2021; B13 5/16/2021; B14 5/16/2021; B15 5/16/2021; B16 5/16/2021; B17 5/16/2021; B18 5/16/2021; B19 5/16/2021; B20 5/16/2021; B21 5/16/2021; B22 5/16/2021; B23 5/16/2021; B24 5/16/2021; B25 5/16/2021; B26 5/16/2021; B27 5/16/2021; B28 5/16/2021; B29 5/16/2021; B30 5/16/2021; B31 5/16/2021; B32 5/16/2021; B33 5/16/2021; B34 5/16/2021; B35 5/16/2021; B36 5/16/2021; B37 5/16/2021; B38 5/16/2021; B39 5/16/2021; B40 5/16/2021; B41 5/16/2021; B42 5/16/2021; B43 5/16/2021; B44 5/16/2021; B45 5/16/2021; B46 5/16/2021; B47 5/16/2021; B48 5/16/2021; B49 5/16/2021; B50 5/16/2021; B51 5/16/2021; B52 5/16/2021; B53 5/16/2021; B54 5/16/2021; B55 5/16/2021; B56 5/16/2021; B57 5/16/2021; B58 5/16/2021; B59 5/16/2021; B60 5/16/2021; B61 5/16/2021; B62 5/16/2021; B63 5/16/2021; B64 5/16/2021; B65 5/16/2021; B66 5/16/2021; B67 5/16/2021; B68 5/16/2021; B69 5/16/2021; B70 5/16/2021; B71 5/16/2021; B72 5/16/2021; B73 5/16/2021; B74 5/16/2021; B75 5/16/2021; B76 5/16/2021; B77 5/16/2021; B78 5/16/2021; B79 5/16/2021; B80 5/16/2021; B81 5/16/2021; B82 5/16/2021; B83 5/16/2021; B84 5/16/2021; B85 5/16/2021; B86 5/16/2021; B87 5/16/2021; B88 5/16/2021; B89 5/16/2021; B90 5/16/2021; B91 5/16/2021; B92 5/16/2021; B93 5/16/2021; B94 5/16/2021; B95 5/16/2021; B96 5/16/2021; B97 5/16/2021; B98 5/16/2021; B99 5/16/2021; B100 5/16/2021)		LOG	THK	Date	Appr.
1	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	THK	Date	MAY 2021
Scale	AS SHOWN	27	of	32	



INDEX MAP
N.T.S.

LEGEND

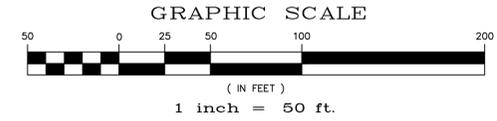
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		STRAW BALES
		EROSION WATTLES PER DETAIL SHEET 32
		EROSION CONTROL BLANKET PER DETAIL ECB-1 & ECB-2 DCM VOL. 2
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		LIMITS OF GRADING/CONSTRUCTION BOUNDARY
		FLOW DIRECTION
	2.00%	GRADE
	75	LOT NUMBER
	A	LOT GRADE TYPE

SEE SHEET 26

SEE SHEET 29

AS-BUILT
10/03/2023

AS-BUILT
11/15/2022



NOTE:
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CONTRACTOR SHALL PROTECT ALL EXISTING 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

BEFORE YOU DIG CALL 811

TWO WORKING DAYS
BEFORE YOU DIG CALL 811
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1887
(SEE COVER FOR LIST OF UTILITY CONTACTS)

LOG	Date	Appr.
1	10/05/21	
2	11/09/2021	
3		
4		

UTILITY NOTES ADDED (BH 67, 68, 80, 112, 18, 16, 17, 16, 2021 + 22)
LIGHT POLE LOC. 9, 13, 14, 25, 26, 27, 28, 12' W/16, 10', 11', 2021

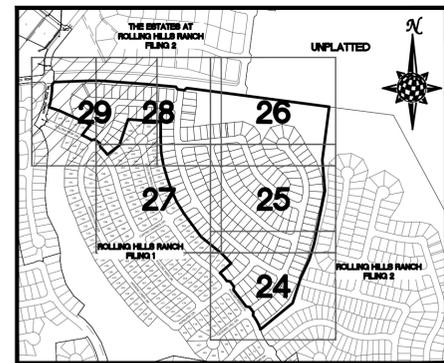
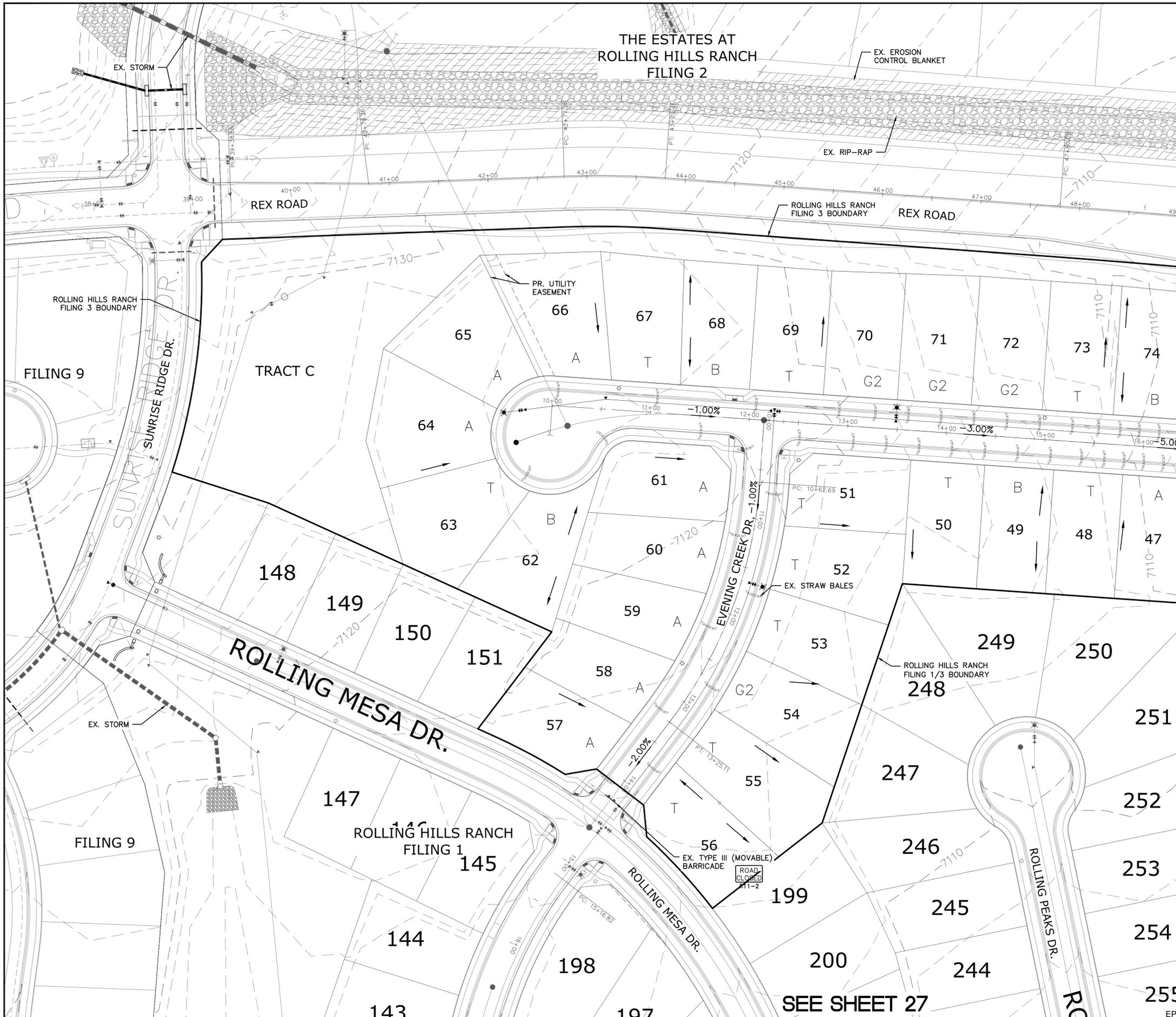
TECH CONTRACTORS
11886 STAPLETON DRIVE
FALCON, CO 80831
TELEPHONE: 719.495.7444
FAX: 719.495.2457

MERIDIAN RANCH

ROLLING HILLS RANCH FILING 3
AT MERIDIAN RANCH
GRADING/EROSION CONTROL PLAN
GRADING LAYOUT

Scale	Drawn by	Checked by	Date
AS SHOWN	LOG	TAK	MAY 2021
28 of 32			



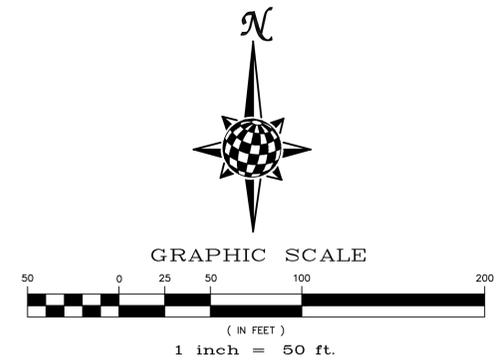


INDEX MAP
N.T.S.

LEGEND

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		PROPOSED CONTOUR (2')
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		FLOW DIRECTION
		GRADE
		LOT NUMBER
		LOT GRADE TYPE

SEE SHEET 28



NOTE:
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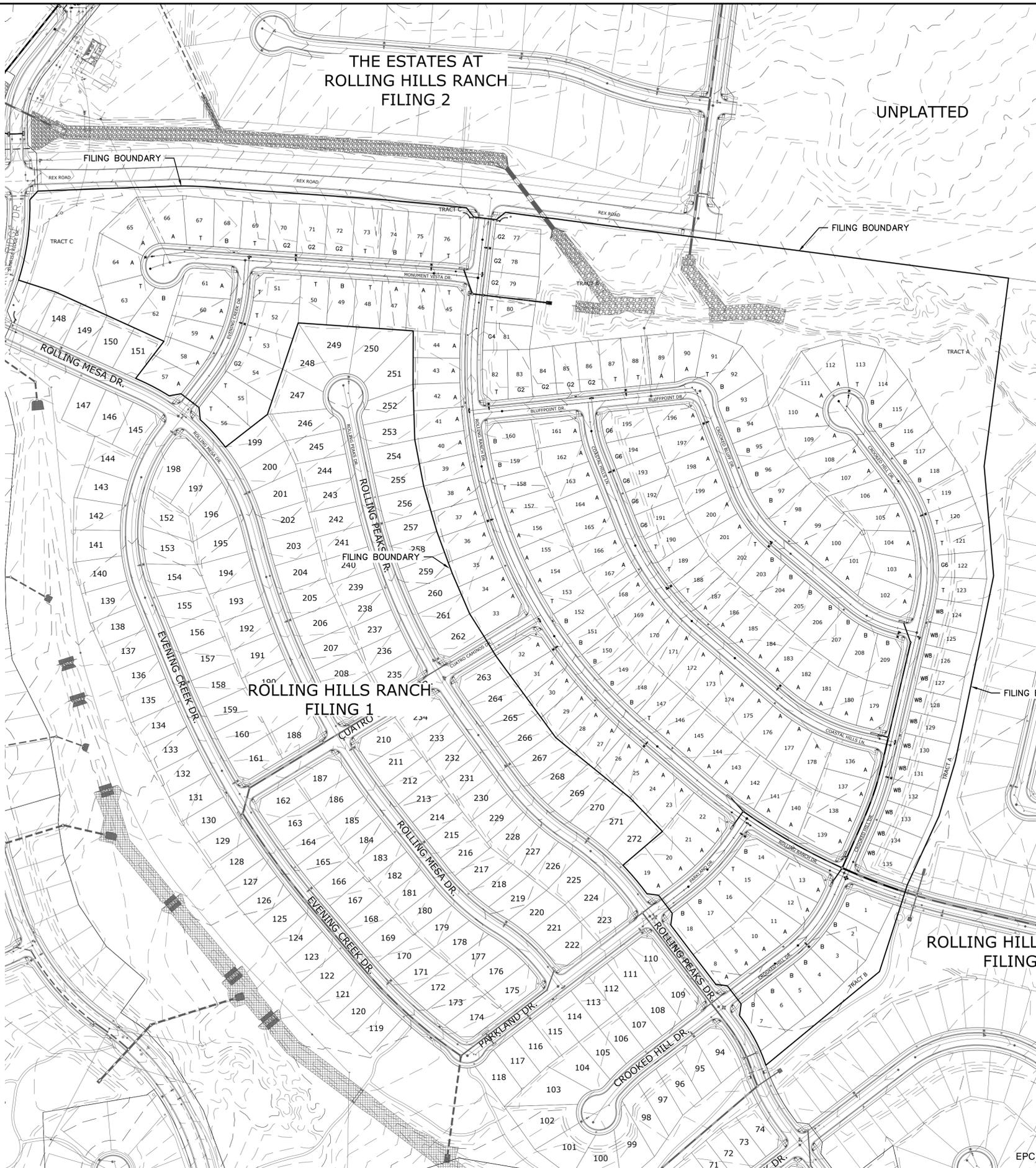
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4) ROLLING HILLS RANCH FILING 2

AS-BUILT
11/15/2022

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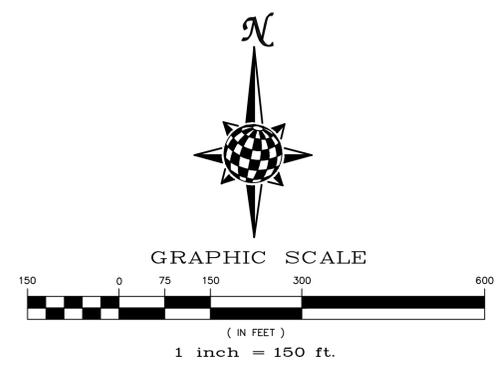
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH GRADING/EROSION CONTROL PLAN		GRADING LAYOUT	
Drawn by	LOG	Checked by	TAK	Date	MAY 2021
Scale	AS SHOWN	29	of	32	



LEGEND

SYMBOL	ACRONYM	DESCRIPTION
[Symbol]		STRAW BALES
[Symbol]		EROSION WATTLES PER DETAIL SHEET 32
[Symbol]		EROSION CONTROL BLANKET PER DETAIL ECB-1 & ECB-2 DCM VOL. 2
[Symbol]	RCP	REINFORCED CONCRETE PIPE
[Symbol]	SF	SILT FENCE PER DETAIL SF-1, SF-2 & SF-3 DCM VOL. 2
[Symbol]	VTC	VEHICLE TRACKING CONTROL PER DETAIL VT-2 DCM VOL. 2
[Symbol]	IP	INLET PROTECTION PER DETAIL SHEET 32
[Symbol]		PROPERTY BOUNDARY/CONSTRUCTION BOUNDARY
[Symbol]		EXISTING CONTOUR (10')
[Symbol]		EXISTING CONTOUR (2')
[Symbol]		PROPOSED CONTOUR (10')
[Symbol]		PROPOSED CONTOUR (2')
[Symbol]		LIMITS OF GRADING/CONSTRUCTION BOUNDARY
[Symbol]		FLOW DIRECTION
[Symbol]	2.00%	GRADE
[Symbol]	75	LOT NUMBER
[Symbol]	A	LOT GRADE TYPE



LEGEND:

AREAS OF CUT	[Symbol]
AREAS OF FILL	[Symbol]

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AS-BUILT
 11/15/2022

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

Revisions		No.	Date	Appr.
		1		
		2		
		3		
		4		

TECH CONTRACTORS
 11886 STAPLETON DRIVE
 FALCON, CO 80831
 TELEPHONE: 719.495.7444
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MERIDIAN RANCH

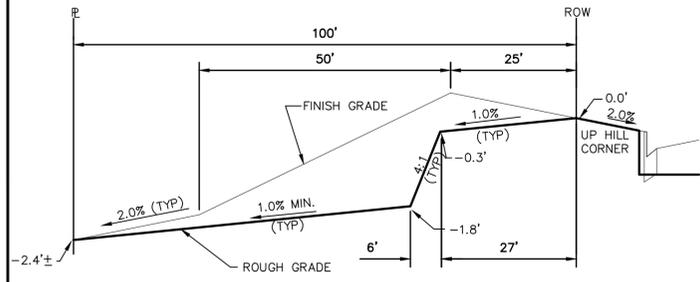
ROLLING HILLS RANCH FILING 3
 AT MERIDIAN RANCH
 GRADING-EROSION CONTROL PLAN
 GRADING CUT-FILL LAYOUT

Scale	Drawn by	Checked by	Date
AS SHOWN	LOG	TAK	MAY 2021
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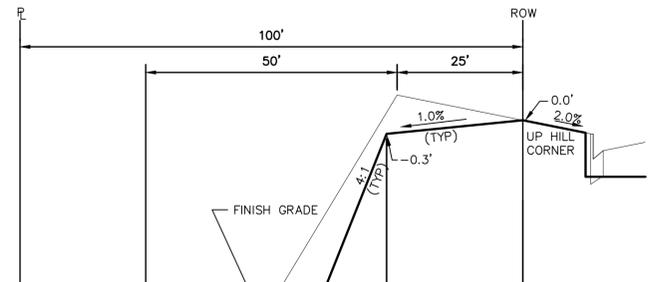
EPC 7/29/2021

PROFESSIONAL ENGINEER
 31429

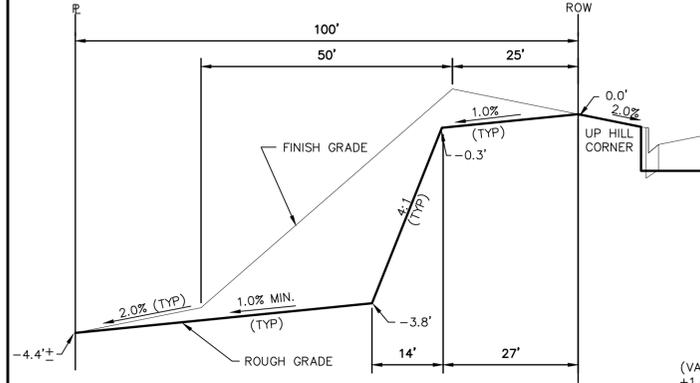
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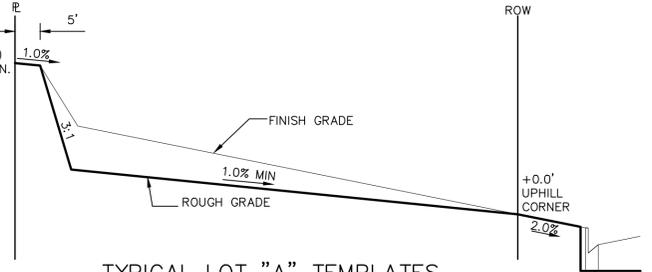
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NTS



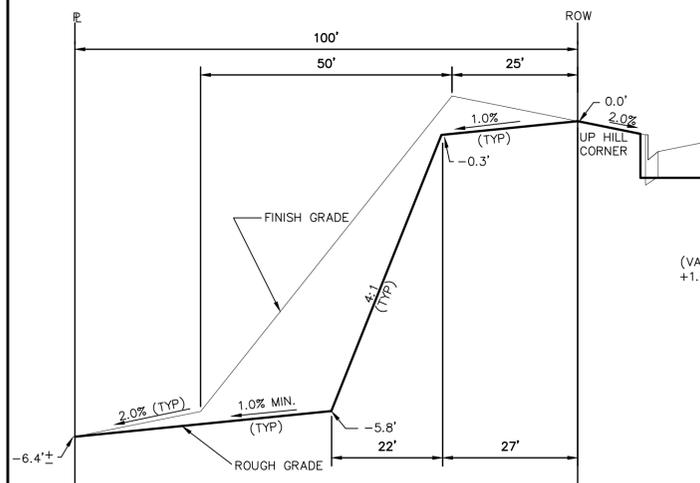
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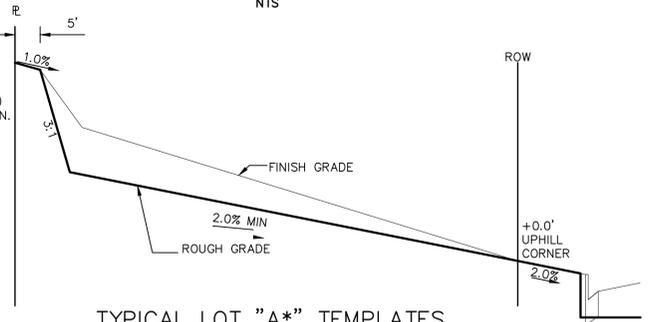
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NTS



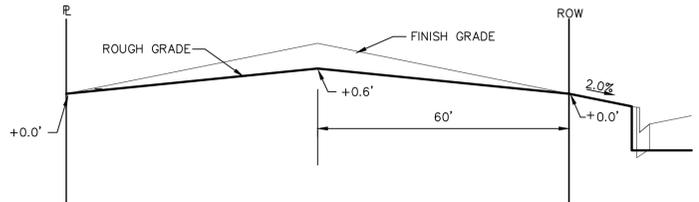
TYPICAL LOT "A" TEMPLATES
NTS



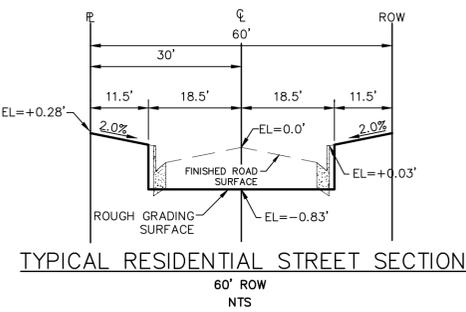
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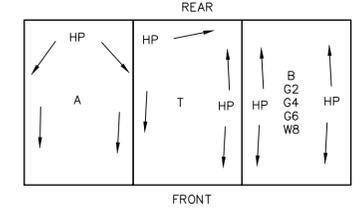
TYPICAL LOT "A*" TEMPLATES
NTS



TYPICAL LOT "B" TEMPLATES
NTS



TYPICAL RESIDENTIAL STREET SECTION
60' ROW
NTS



TYPICAL DRAINAGE PATTERN
NTS

STEPS FOR CONSTRUCTION

THE ANTICIPATED START FOR THIS PROJECT IS JULY 2021 WITH AN ANTICIPATED COMPLETION DATE OF JUNE 2022. BELOW IS A BRIEF OUTLINE OF THE CONSTRUCTION SEQUENCE FOR THIS PROJECT.

- * INSTALL INITIAL BMP'S
- * SANITARY SEWER
- * WATER
- * STORM SEWER AND CULVERTS
- * ELECTRIC
- * GAS
- * PHONE & CABLE TV
- * FINISHED ROAD GRADING AND PAVING

EROSION AND SEDIMENT CONTROLS

SILT FENCES AND STRAW BALE CHECK DAMS (OR APPROVED EQUAL) WILL BE INSTALLED PRIOR TO ANY EXCAVATION FOR THE MAJOR ROADS. STRAW BALE CHECK DAMS, FILTREX OR APPROVED EQUAL WILL BE PLACED AT ALL ENTRANCES AND EXITS OF DRAINAGE WAYS. STRAW BALES, FILTREX OR APPROVED EQUAL WILL BE INSTALLED AROUND THE OUTLET AND OVERFLOW STRUCTURE. THE OUTLET STRUCTURE WILL ALSO BE PROTECTED WITH RIPRAP ON THE DOWNSTREAM SIDE.

NON-STRUCTURE PRACTICES TO CONTROL EROSION AND SEDIMENTATION WILL INCLUDE RESEEDING OF GROUND COVER IN DISTURBED AREAS ACCORDING TO THE EROSION CONTROL PLAN. TEMPORARY SEEDING OF THE DETENTION POND AND MULCHING ALONG STEEP EMBANKMENTS WILL BE PERFORMED AS REQUIRED.

SILT FENCE IS REQUIRED TO BE IN PLACE PRIOR TO ANY MOVEMENT OF DIRT.

EROSION AND SEDIMENT CONTROL STAGE TABLE

SEE ROUGH GRADING FOR ROLLING HILLS RANCH AT MERIDIAN RANCH PLANS AND SWMP FOR STAGES OF EROSION AND SEDIMENT CONTROL.

MATERIAL HANDLING AND SPILL PREVENTION

THE MOST PROBABLE SOURCE OF NON-STORMWATER POLLUTION IS REFUELING AND DAILY MAINTENANCE OPERATIONS. IF MOBILE FUEL TRUCKS ARE USED TO SERVICE EQUIPMENT, ABSORBENT MATERIALS AND CONTAINERS FOR THE STORAGE OF USED ABSORBENT MATERIAL WILL BE CLOSE BY. IF A FUEL TANK IS LEFT ON SITE, BERMS WILL BE BUILT AROUND THE TANK TO CAPTURE ANY SPILLED FUEL. AGAIN, ABSORBENT MATERIALS AND THEIR CONTAINERS WILL BE ON HAND.

THERE ARE NO DEDICATED ASPHALT OR CONCRETE BATCH PLANTS PLANNED FOR THIS SITE.

FINAL STABILIZATION AND LONG TERM STORMWATER MANAGEMENT

ONCE THE MAJOR ROADS ARE PAVED AND THE SURROUNDING DISTURBED AREAS ARE 70% ESTABLISHED WITH VEGETATION AND ACCEPTANCE BY THE MERIDIAN RANCH SERVICE DISTRICT, THE CHECK DAMS AND THE SILT FENCES AROUND THE STREETS CAN BE REMOVED. AFTER COMPLETION OF THE STORM SEWER SYSTEM, THE STRAW BALES AND/OR FILTREX CAN BE REMOVED. AFTER ALL GROUND DISTURBING CONSTRUCTION HAS BEEN COMPLETED AND ALL SLOPES ARE 70% ESTABLISHED WITH VEGETATION AND ACCEPTANCE BY THE MERIDIAN RANCH SERVICE DISTRICT, REMAINING CHECK DAMS AND SILT FENCES CAN BE REMOVED. THE RIPRAP ON ANY OF THE OUTLETS WILL REMAIN AFTER CONSTRUCTION TO REDUCE EROSION OF THE CHANNELS. ALL PERMANENT SWALES WILL BE LINED WITH LANDSCAPING TO SLOW RUNOFF AND FILTER SEDIMENTS.

OTHER CONTROLS

- THERE ARE SEVERAL BEST MANAGEMENT PRACTICES THAT CAN BE EMPLOYED TO PREVENT OR MITIGATE THE SOURCE OF POLLUTANTS AND CONTAMINATION OF STORMWATER RUNOFF. SOME OF THESE ARE:
- * ALL REFUSE DUMPSTERS AND RECEPTACLES SHALL BE EQUIPPED WITH FUNCTIONAL LIDS TO PREVENT RAIN AND SNOW FROM ENTERING.
 - * STORAGE CONTAINERS, DRUMS AND BAGS SHALL BE STORED AWAY FROM DIRECT TRAFFIC ROUTES TO PREVENT ACCIDENTAL SPILLS.
 - * EMPTY DRUMS SHALL BE COVERED TO PREVENT COLLECTION OF PRECIPITATION.
 - * CONTAINERS SHALL BE STORED ON PALLETS OR OTHER DUNNAGE TO PREVENT CORROSION OF CONTAINERS, WHICH CAN RESULT WHEN CONTAINERS COME IN CONTACT WITH MOISTURE ON THE GROUND.
 - * REGULARLY SCHEDULED REMOVAL OF CONSTRUCTION TRASH AND DEBRIS.
 - THE CONTRACTOR IS CERTAINLY NOT LIMITED TO THESE GOOD HOUSEKEEPING MEASURES, AND MAY IMPLEMENT FURTHER CONTROLS AS PRUDENCE AND GOOD JUDGEMENT DEEM NECESSARY.

INSPECTION AND MAINTENANCE

A THOROUGH INSPECTION OF THE STORMWATER MANAGEMENT SYSTEM SHALL BE PERFORMED EVERY 14 DAYS AS WELL AS AFTER ANY RAIN OR SNOWMELT EVENT THAT CAUSES SURFACE EROSION:

- * EROSION OF V-NOTCH SWALES, CHANNELS AND SIDE SLOPES SHALL BE REPAIRED.
- * WHEN THE CHECK DAMS HAVE SILTED UP TO HALF THEIR HEIGHT, THE SILT SHALL BE REMOVED, CHANNEL GRADE REESTABLISHED, AND SIDE SLOPES RE-SEEDING IF NECESSARY. ANY CHECK DAMS THAT HAVE SHIFTED OR DECAYED SHALL BE REPAIRED OR REPLACED.
- * SILT FENCES SHALL BE CLEANED WHENEVER SEDIMENT HAS REACHED A DEPTH OF 6" AT THE FENCE, AND BROKEN WOODEN PARTS OR TORN FABRIC SHALL BE REPAIRED OR REPLACED.
- * ANY ACCUMULATED TRASH OR DEBRIS SHALL BE REMOVED FROM OUTLETS.
- * IF THE DEPTH OF THE SILT IN THE TEMPORARY SEDIMENTATION TRAP EXCEEDS 1/2 OF THE ORIGINAL DEPTH, THE TRAP SHALL BE CLEANED OUT AND RESTORED TO ITS ORIGINAL DEPTH. THE OVERFLOW SPILLWAY SHALL BE CLEANED OR REPAIRED AS NECESSARY.

AN INSPECTION AND MAINTENANCE LOG FOLLOWS THIS STORMWATER MANAGEMENT PLAN.

REVEGETATION AND SEEDING

ALL DISTURBED AREAS SHALL BE REQUIRE SEEDING WITHIN TWO (2) WEEKS FOLLOWING THE ESTABLISHMENT OF FINAL GRADE. AREAS TO RECEIVE PAVEMENT DURING THE CONSTRUCTION OF THE ROAD SYSTEM SHALL NOT RECEIVE ANY SEEDING. SEEDING SHOULD BE ACCOMPLISHED USING AN APPROPRIATE GRASS DRILL, BY BROADCASTING OR BY HYDROMULCHING. IF SEEDING BY THE BROADCAST METHOD IS SELECTED THE APPLICATION RATE SHOULD BE DOUBLED. IF HYDROMULCHING IS SELECTED TWO OPERATIONS SHOULD BE CONSIDERED, APPLYING THE SEED FIRST AND THE MULCH IN A SECOND OPERATION. UPON COMPLETION OF THE SEEDING OPERATION THE SITE SHOULD BE COVERED WITH WEED FREE MULCH AT A RATE OF 4,000 LBS. PER ACRE. MULCH SHALL BE INSTALLED PER DCM VOLUME 2, FIGURE MU-1, FOUND ON PAGE 3-30.

BELOW IS THE ACCEPTED GRASS MIX FOR SANDY SOILS:

GRASS	VARIETY	AMOUNT IN PLS LBS. PER ACRE
SIDEOATS GRAMA	EL RENO	3.0
WESTERN WHEATGRASS	BARTON	2.5
SLENDER WHEATGRASS	NATIVE	2.0
LITTLE BLUESTERN	PASTURA	2.0
SAND DROPSEED	NATIVE	0.5
SWITCH GRASS	NEBRASKA	3.0
WEEPING LOVE GRASS	MORPHA	1.0

AS-BUILT
11/15/2022

NOTE:

"FINISH GRADE" IN THE TEMPLATES ARE ONLY APPROXIMATE GRADES. ACTUAL FINISHED GRADES WILL VARY DEPENDING ON INDIVIDUAL HOME PLOT PLANS. PLOT PLANS SHALL CLOSELY FOLLOW THE FINISH GRADE PATTERNS SHOWN IN THE TEMPLATES WITHOUT ADVERSELY AFFECTING THE GRADES AND DRAINAGE PATTERNS OF NEIGHBORING LOTS OR TRACTS. CONTOURS SHOWN ON THESE PLANS ARE ROUGH GRADES AND WILL CHANGE WITH EVERY HOME CONSTRUCTION. FIELD VERIFY ALL GRADES PRIOR DESIGN OF INDIVIDUAL HOME PLOT PLANS.

EPC 7/29/2021



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)



Date	Appr.	Date	Revisions	No.
				1
				2
				3
				4

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

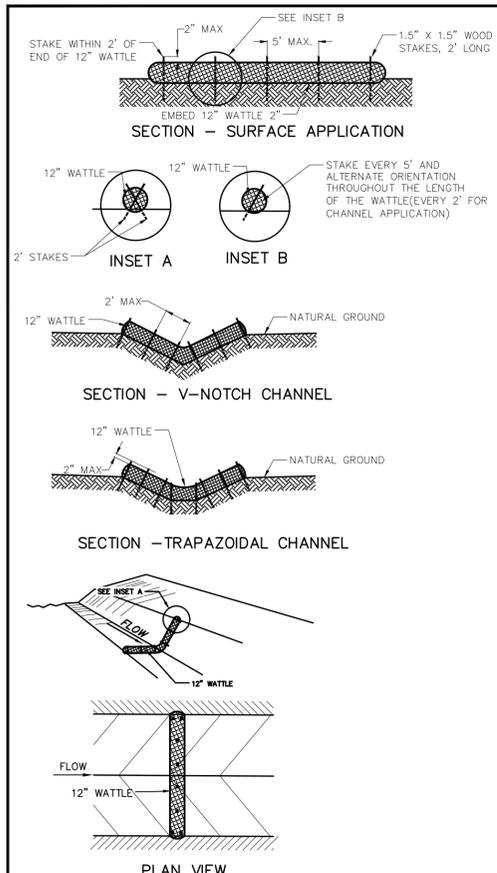


ROLLING HILLS RANCH FILING 3
AT MERIDIAN RANCH
GRADING/EROSION CONTROL PLAN
GRADING DETAIL SHEET

Drawn by	Checked by	Date
LOG	TAK	MAY 2021

Scale
AS SHOWN
31 of 32



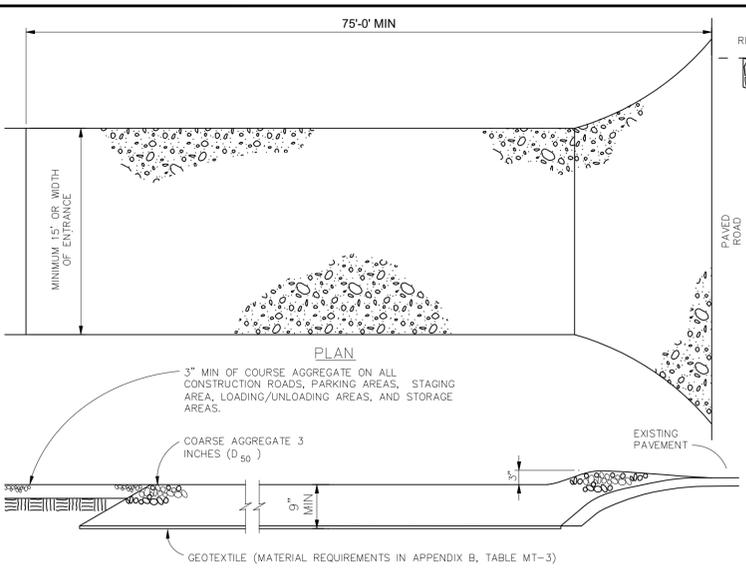


INSTALLATION REQUIREMENTS

1. ALL ENTRANCES TO THE CONSTRUCTION SITE ARE TO BE STABILIZED PRIOR TO CONSTRUCTION BEGINNING.
2. CONSTRUCTION ENTRANCES ARE TO BE BUILT WITH AN APRON TO ALLOW FOR TURNING TRAFFIC, BUT SHOULD NOT BE BUILT OVER EXISTING PAVEMENT EXCEPT FOR A SLIGHT OVERLAP.
3. AREAS TO BE STABILIZED ARE TO BE PROPERLY GRADED AND COMPACTED PRIOR TO LAYING DOWN GEOTEXTILE AND STONE.
4. CONSTRUCTION ROADS, PARKING AREAS, LOADING/UNLOADING ZONES, STORAGE AREAS, AND STAGING AREAS ARE TO BE STABILIZED.
5. CONSTRUCTION ROADS ARE TO BE BUILT TO CONFORM TO SITE GRADES, BUT SHOULD NOT HAVE SIDE SLOPES OR ROAD GRADES THAT ARE EXCESSIVELY STEEP.

MAINTENANCE REQUIREMENTS

1. REGULAR INSPECTIONS ARE TO BE MADE OF ALL STABILIZED AREAS, ESPECIALLY AFTER STORM EVENTS.
2. STONES ARE TO BE REPLACED PERIODICALLY AND WHEN REPAIR IS NECESSARY.
3. SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED DAILY BY SHOVELING OR SWEEPING. SEDIMENT IS NOT TO BE WASHED DOWN STORM SEWER DRAINS.
4. STORM SEWER INLET PROTECTION IS TO BE IN PLACE, INSPECTED, AND CLEANED IF NECESSARY.
5. OTHER ASSOCIATED SEDIMENT CONTROL MEASURES ARE TO BE INSPECTED TO ENSURE GOOD WORKING CONDITION.



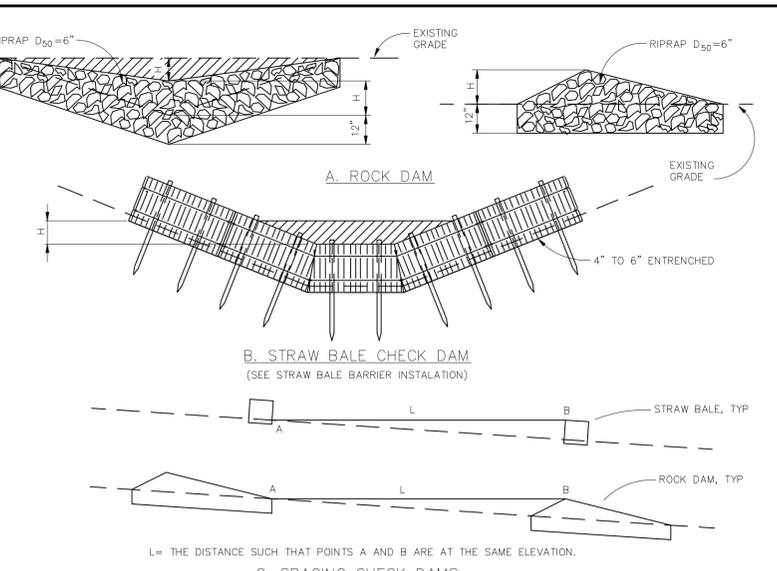
VEHICLE TRACKING NOTES

INSTALLATION REQUIREMENTS

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2. CONSTRUCTION ENTRANCES ARE TO BE BUILT WITH AN APRON TO ALLOW FOR TURNING TRAFFIC, BUT SHOULD NOT BE BUILT OVER EXISTING PAVEMENT EXCEPT FOR A SLIGHT OVERLAP.
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4. CONSTRUCTION ROADS, PARKING AREAS, LOADING/UNLOADING ZONES, STORAGE AREAS, AND STAGING AREAS ARE TO BE STABILIZED.
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5. OTHER ASSOCIATED SEDIMENT CONTROL MEASURES ARE TO BE INSPECTED TO ENSURE GOOD WORKING CONDITION.



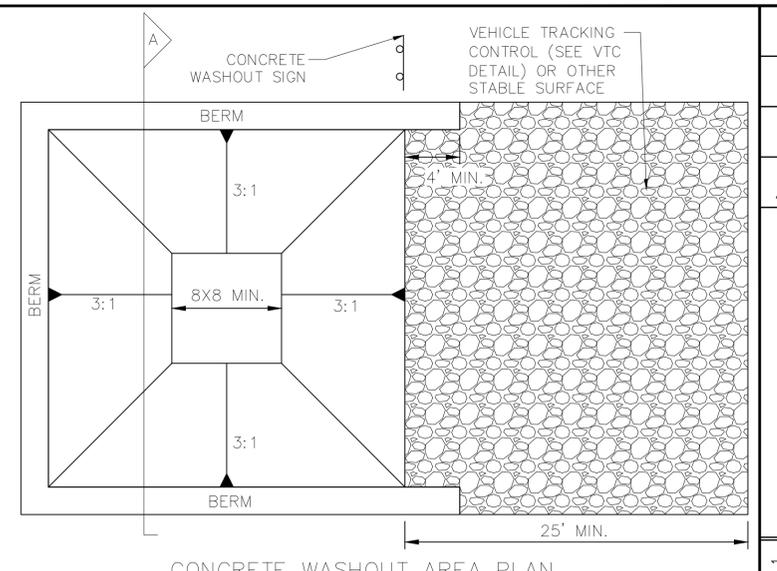
CHECK DAM NOTES

INSTALLATION REQUIREMENTS

1. STRAW BALES USED AS CHECK DAMS ARE TO MEET THE REQUIREMENTS STATED IN FIGURE SBB-2.
2. THE "H" DIMENSION SHALL BE SELECTED TO PROVIDE WEIR FLOW CONVEYANCE FOR 2-YEAR FLOW OR GREATER.

MAINTENANCE REQUIREMENTS

1. REGULAR INSPECTIONS ARE TO BE MADE OF ALL CHECK DAMS, ESPECIALLY AFTER STORM EVENTS.
2. REPLACE STONE AS NECESSARY TO MAINTAIN THE CORRECT HEIGHT OF THE DAM.
3. ACCUMULATED SEDIMENT AND DEBRIS IS TO BE REMOVED FROM BEHIND THE DAMS AFTER EACH STORM OR WHEN 1/2 OF THE ORIGINAL HEIGHT OF THE DAM IS REACHED.
4. CHECK DAMS ARE TO REMAIN IN PLACE AND OPERATIONAL UNTIL THE DRAINAGE AREA AND CHANNEL ARE PERMANENTLY STABILIZED.
5. WHEN CHECK DAMS ARE REMOVED THE CHANNEL LINING OR VEGETATION IS TO BE RESTORED.



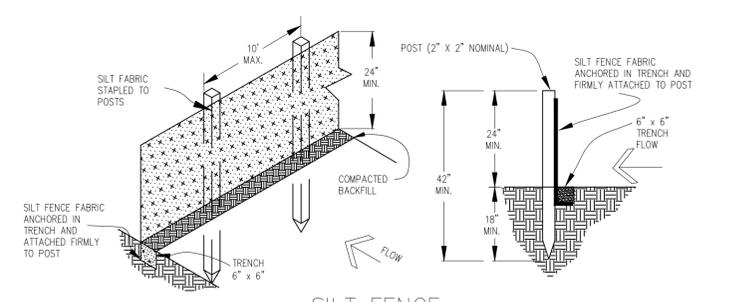
CONCRETE WASHOUT AREA PLAN

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 (16 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.

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.



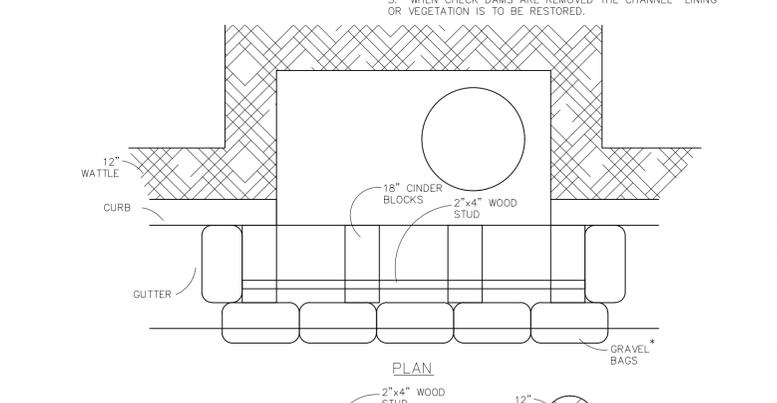
SILT FENCE NOTES

INSTALLATION REQUIREMENTS

1. SILT FENCES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
2. WHEN JOINTS ARE NECESSARY, SILT FENCE GEOTEXTILE SHALL BE SPLICED TOGETHER ONLY AT SUPPORT POST AND SECURELY SEALED.
3. METAL POSTS SHALL BE "STUDDED TEE" OR "U" TYPE WITH MINIMUM WEIGHT OF 1.33 POUNDS PER LINEAR FOOT. WOOD POSTS SHALL HAVE A MINIMUM DIAMETER OR CROSS SECTION DIMENSION OF 2 INCHES.
4. THE FILTER MATERIAL SHALL BE FASTENED SECURELY TO METAL OR WOOD POSTS USING WIRE TIES, OR TO WOOD POSTS WITH 3/4" LONG #9 HEAVY-DUTY STAPLES. THE SILT FENCE GEOTEXTILE SHALL NOT BE STAPLED TO EXISTING TREES.
5. WHILE NOT REQUIRED, WIRE MESH FENCE MAY BE USED TO SUPPORT THE GEOTEXTILE. WIRE FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 3/4" LONG. THE WIRES OR HOOP RINGS, THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 6" AND SHALL NOT EXTEND MORE THAN 3' ABOVE THE ORIGINAL GROUND SURFACE.
6. ALONG THE TOE OF FILLS, INSTALL THE SILT FENCE ALONG A LEVEL CONTOUR AND PROVIDE AN AREA BEHIND THE FENCE FOR RUNOFF TO POND AND SEDIMENT TO SETTLE. A MINIMUM DISTANCE OF 5 FEET FROM THE TOE OF THE FILL IS RECOMMENDED.
7. THE HEIGHT OF THE SILT FENCE FROM THE GROUND SURFACE SHALL BE MINIMUM OF 24 INCHES AND SHALL NOT EXCEED 36 INCHES; HIGHER FENCES MAY INPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.

MAINTENANCE REQUIREMENTS

1. CONTRACTOR SHALL INSPECT SILT FENCES IMMEDIATELY AFTER EACH RAINFALL, AT LEAST DAILY DURING PROLONGED RAINFALL, AND WEEKLY DURING PERIODS OF NO RAINFALL. DAMAGED, COLLAPSED, UNENTRENCHED OR INEFFECTIVE SILT FENCES SHALL BE PROMPTLY REPAIRED OR REPLACED.
2. SEDIMENT SHALL BE REMOVED FROM BEHIND SILT FENCE WHEN IT ACCUMULATES TO HALF THE EXPOSED GEOTEXTILE HEIGHT.
3. SILT FENCES SHALL BE REMOVED WHEN ADEQUATE VEGETATIVE COVER IS ATTAINED AS APPROVED BY THE CITY.



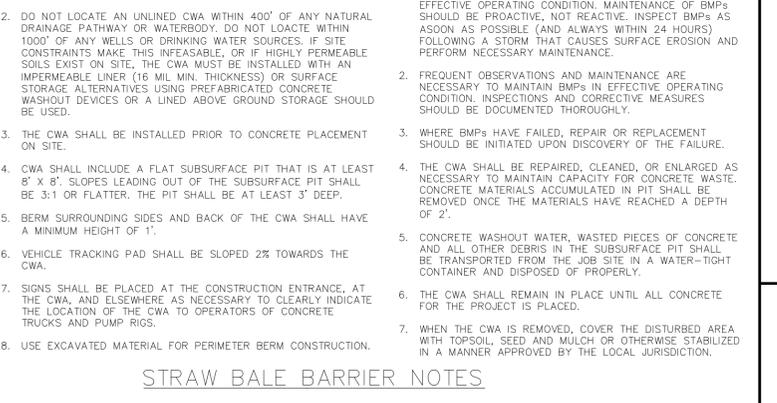
MODIFIED BLOCK AND GRAVEL BAG* CURB INLET PROTECTION NOTES

INSTALLATION REQUIREMENTS

1. INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY AFTER CONSTRUCTION OF INLET.
2. CONCRETE BLOCKS ARE TO BE LAID AT 2' SPACING ON THEIR SIDES WITH THE OPEN ENDS OF THE BLOCK FACING EACH OTHER.
3. IF MORE THAN ONE 2' X 4' IS REQUIRED, THEY NEED TO OVERLAP BY A MINIMUM OF 2'.
4. GRAVEL BAGS ARE TO BE PLACED AROUND THE CONCRETE BLOCKS AND 2' X 4' TO CLOSELY ABUTTING ONE ANOTHER SO THERE ARE NO GAPS.
5. GRAVEL BAGS ARE TO CONTAIN WASHED SAND OR GRAVEL APPROXIMATELY 3/4" INCH IN DIAMETER.
6. BAGS ARE TO BE MADE OF 1/4" INCH WIRE MESH (USED WITH GRAVEL ONLY) OR GEOTEXTILE.

MAINTENANCE REQUIREMENTS

1. CONTRACTOR SHALL INSPECT INLET PROTECTION IMMEDIATELY AFTER EACH RAINFALL, AND WEEKLY DURING PERIODS NO RAINFALL.
2. DAMAGED OR INEFFECTIVE INLET PROTECTION SHALL PROMPTLY BE REPAIRED OR REPLACED.
3. SEDIMENT SHALL BE REMOVED WHEN SEDIMENT HAS ACCUMULATED TO APPROXIMATELY 1/2 THE DESIGN DEPTH OF THE TRAP.
4. INLET PROTECTION SHALL BE REMOVED WHEN ADEQUATE VEGETATIVE COVER IS ATTAINED WITHIN THE DRAINAGE AREA AS APPROVED BY THE CITY.



STRAW BALE BARRIER NOTES

INSTALLATION REQUIREMENTS

1. STRAW BALE BARRIERS SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
2. BALES SHALL CONSIST OF APPROXIMATELY 5 CUBIC FEET OF CERTIFIED WEED FREE HAY OR STRAW AND WEIGH NOT LESS THAN 35 POUNDS.
3. BALES ARE TO BE PLACED IN A SINGLE ROW WITH THE END OF THE BALES TIGHTLY ABUTTING ONE ANOTHER.
4. EACH BALE IS TO BE SECURELY ANCHORED WITH AT LEAST TWO STAKES AND THE FIRST STAKE IS TO BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER.
5. STAKES ARE TO BE A MINIMUM OF 42 INCHES LONG. METAL STAKES SHALL BE STANDARD "I" OR "U" TYPE WITH MINIMUM WEIGHT OF 1.33 POUNDS PER LINEAR FOOT. WOOD STAKES SHALL HAVE A MINIMUM DIAMETER OR CROSS SECTION DIMENSION OF 2 INCHES.
6. BALES ARE TO BE BOUND WITH EITHER WIRE OR STRING AND ORIENTED SUCH THAT THE BINDINGS ARE AROUND THE SIDES AND NOT ALONG THE TOPS AND BOTTOMS OF THE BALE.
7. GAPS BETWEEN BALES ARE TO BE CHINKED (FILLED BY WEDGING) WITH STRAW OR THE SAME MATERIAL OF THE BALE.
8. END BALES ARE TO EXTEND UPSLOPE SO THE TRAPPED RUNOFF CANNOT FLOW AROUND THE ENDS OF THE BARRIER.

MAINTENANCE REQUIREMENTS

1. CONTRACTOR SHALL INSPECT STRAW BALE BARRIERS IMMEDIATELY AFTER EACH RAINFALL, AT LEAST DAILY DURING PROLONGED RAINFALL, AND WEEKLY DURING PERIODS NO RAINFALL.
2. DAMAGED OR INEFFECTIVE BARRIERS SHALL PROMPTLY BE REPAIRED, REPLACING BALES IF NECESSARY, AND UNENTRENCHED BALES NEED TO BE REPAIRED WITH COMPACTED BACKFILL MATERIAL.
3. SEDIMENT SHALL BE REMOVED FROM BEHIND STRAW BALE BARRIERS WHEN IT ACCUMULATES TO APPROXIMATELY 1/2 THE HEIGHT OF THE BARRIER.
4. STRAW BALE BARRIERS SHALL BE REMOVED WHEN ADEQUATE VEGETATIVE COVER IS ATTAINED AS APPROVED BY THE CITY.

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)

AS-BUILT 11/15/2022

EPC 7/29/2021

STRAW BALE BARRIER

NTS

* AN ALTERNATE 3/4" TO 1" GRAVEL FILTER OVER A WIRE SCREEN MAY BE USED IN PLACE OF GRAVEL BAGS. THE WIRE MESH SHALL EXTEND ABOVE THE TOP OF THE CONCRETE BLOCKS AND THE GRAVEL PLACED OVER THE WIRE SCREEN TO THE TOP OF THE CONCRETE BLOCKS.

TECH CONTRACTORS

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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 DETAIL SHEET

Scale AS SHOWN

Drawn by Log

Checked by TJK

Date MAY 2021

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PROFESSIONAL ENGINEER 31429

PCD PROJECT NO. SF-21-016

VEHICLE TRACKING CONTROL PLAN

1

2

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4

No.

Revisions

Date

Appr.

Date