

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

MERIDIAN RANCH

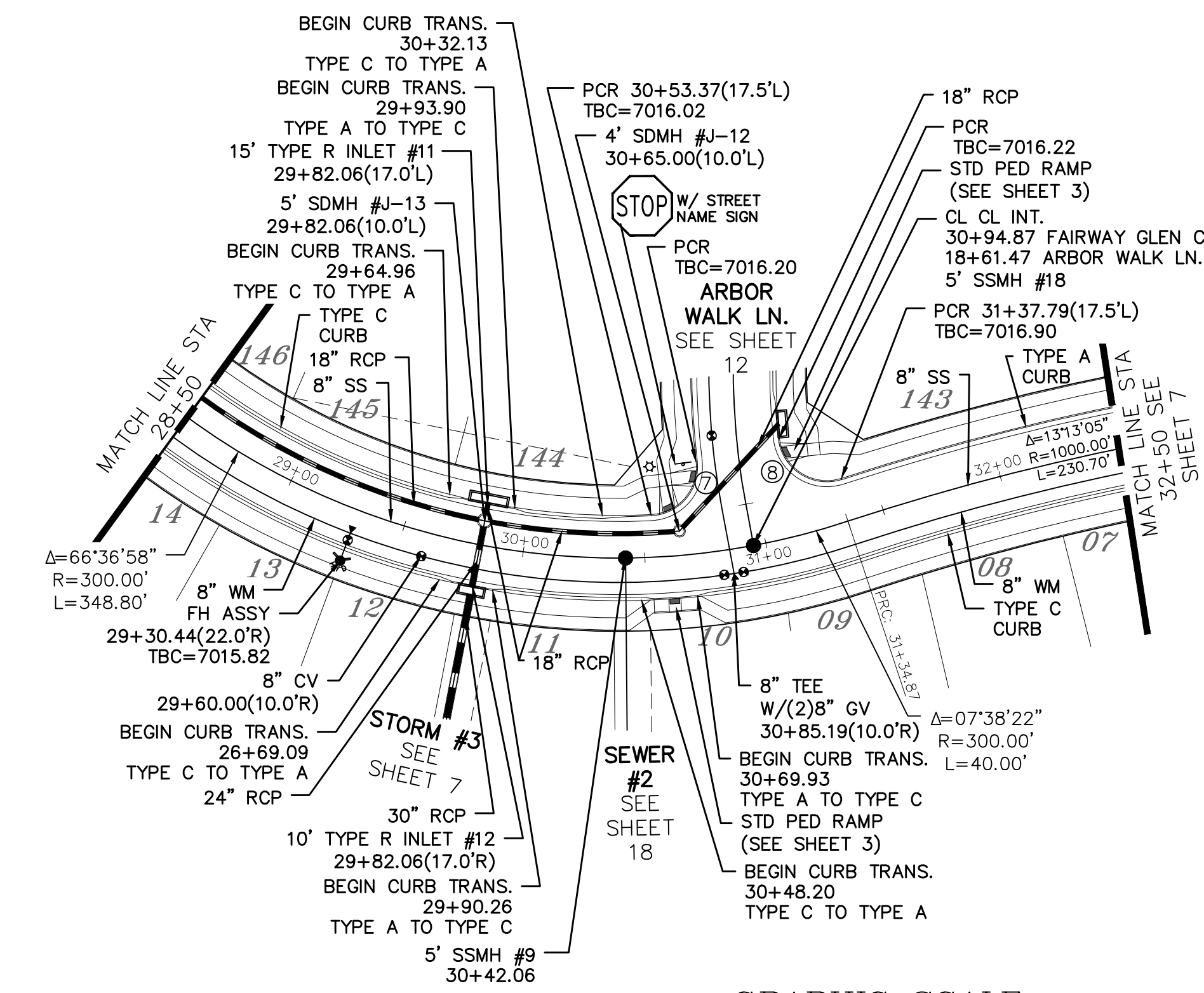
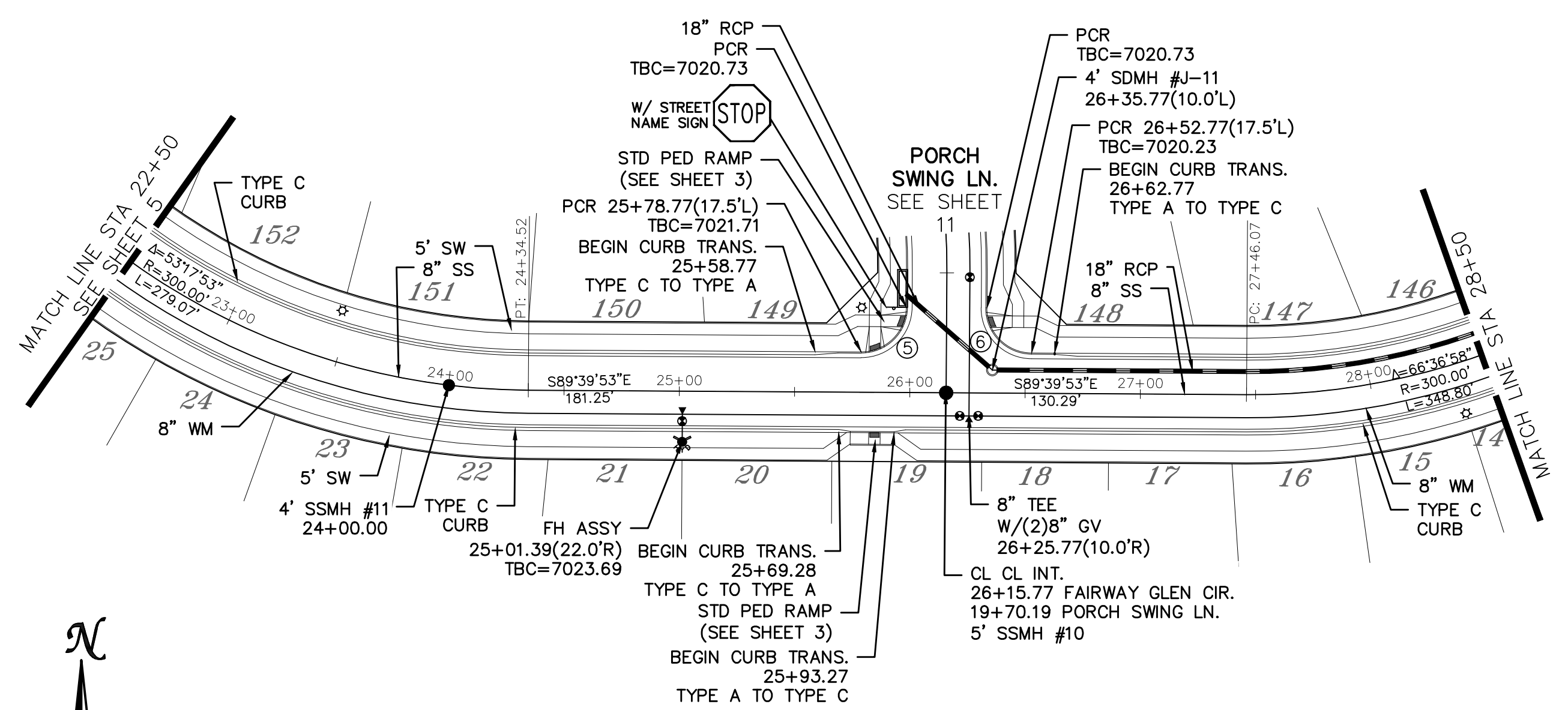
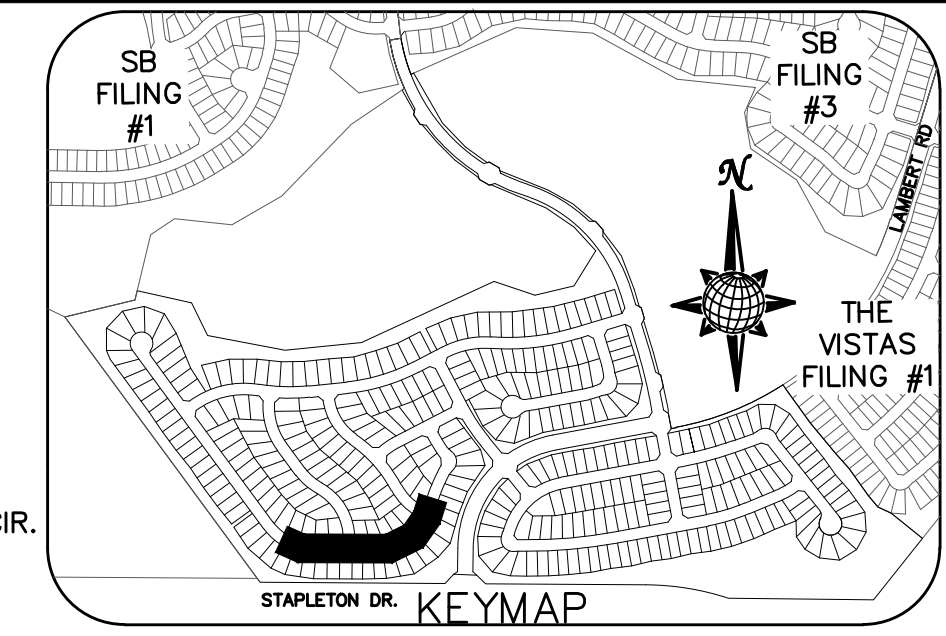
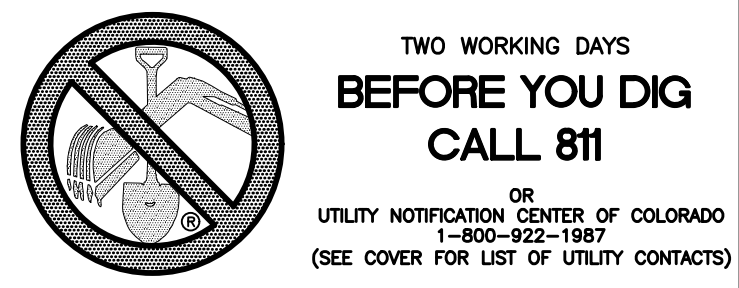
**WINDINGWALK FI AT MERIDIAN RANCH
 STREET AND UTILITY PLANS
 DETAIL SHEET**

Drawn by: LOG
 Checked by: TAK
 Date: MAY 2018

Scale: AS SHOWN
 3 of 55

COLOADO LICENSED PROFESSIONAL ENGINEER
 314289

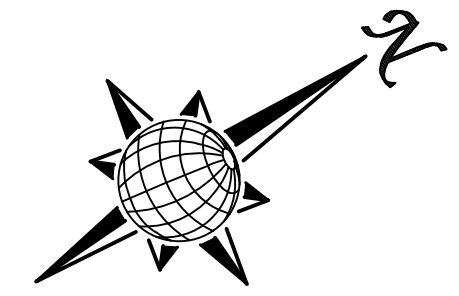
PCD PROJECT NO. SF-18-002



CURVE TABLE

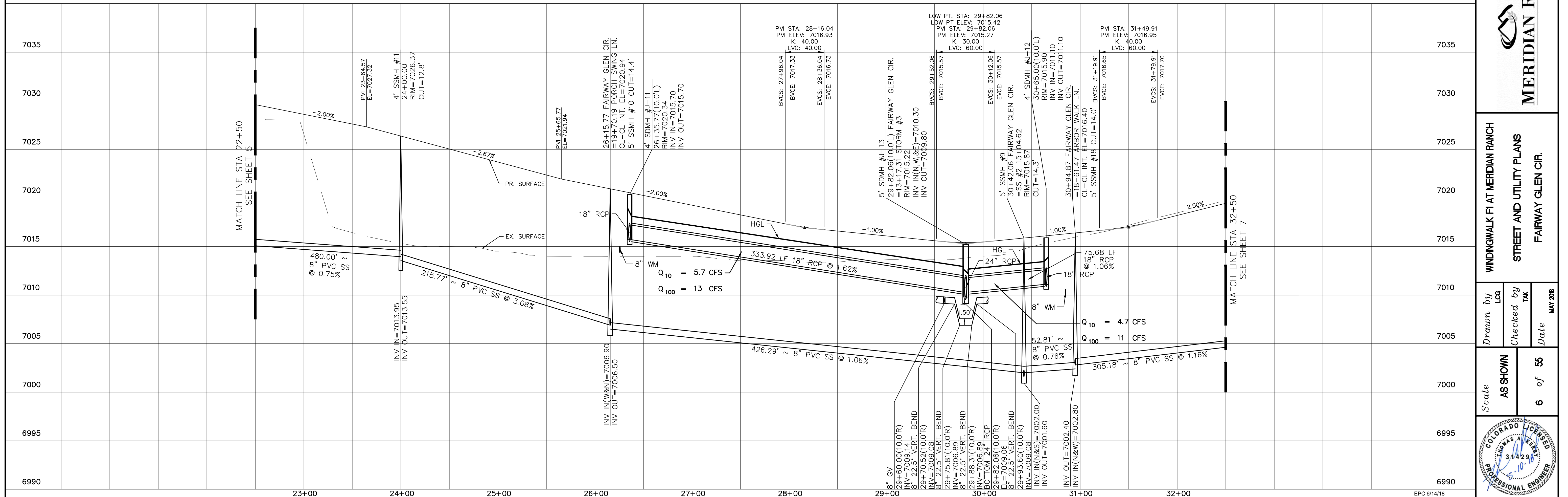
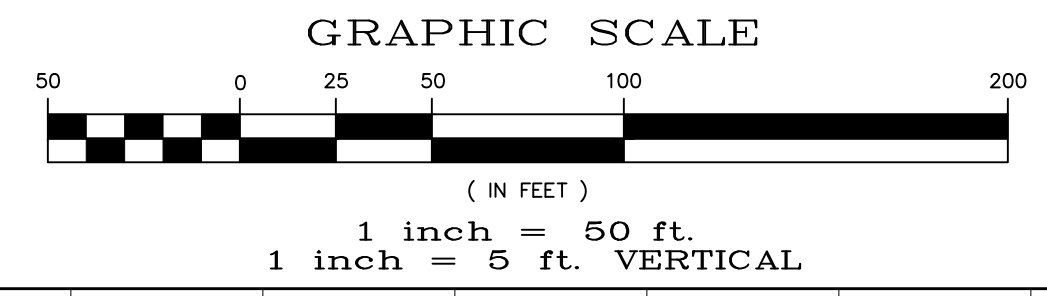
CURVE	LENGTH	RADIUS	DELTA
5	30.63'	19.50'	90°00'00"
6	30.63'	19.50'	90°00'00"
7	32.04'	19.50'	94°08'36"
8	34.84'	19.50'	102°22'10"

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

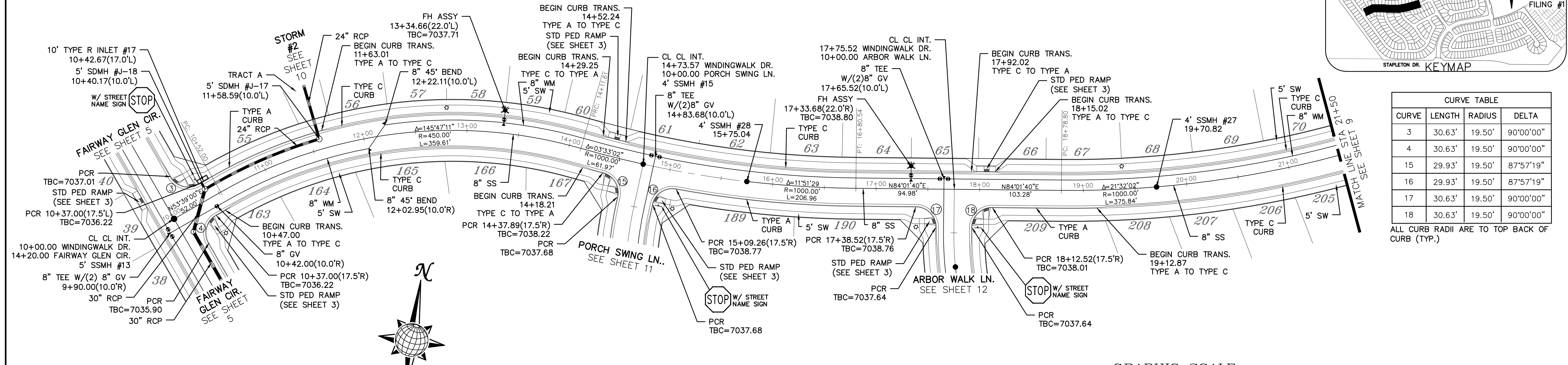
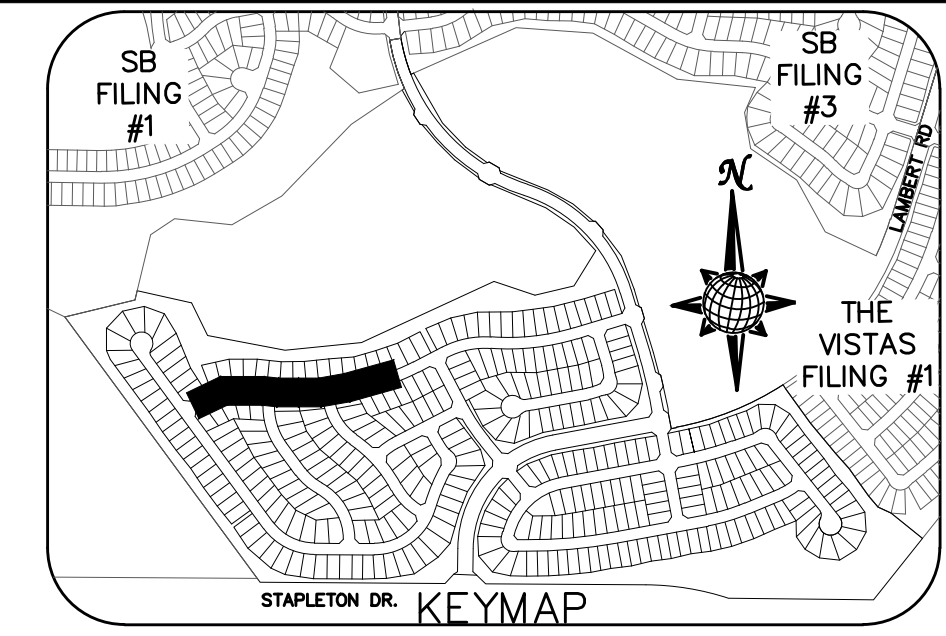
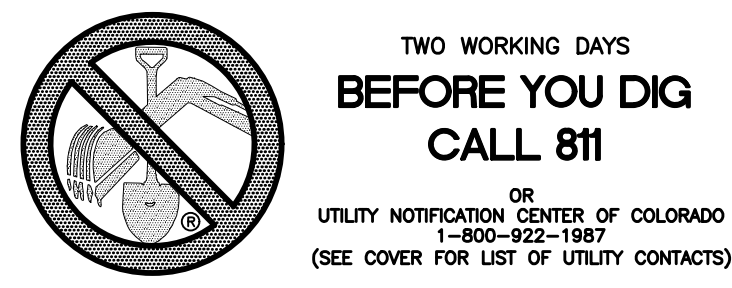


FAIRWAY GLEN CIR.

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

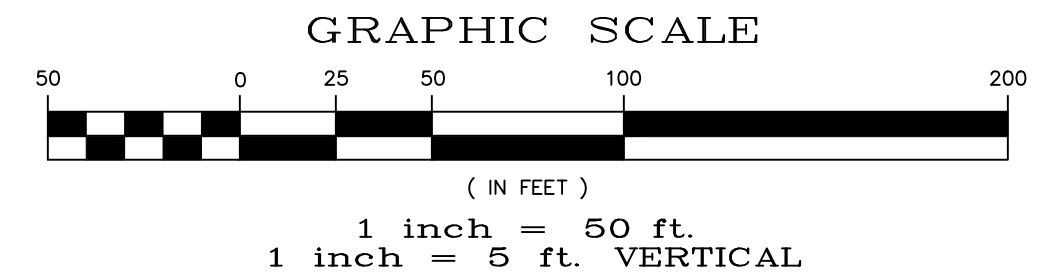


SB FILING #1	SB FILING #3	THE VISTAS FILING #1
<p>TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457</p>		
<p>MERIDIAN RANCH</p>		
<p>WINDINGWALK FI AT MERIDIAN RANCH STREET AND UTILITY PLANS FAIRWAY GLEN CIR.</p>		
Scale	AS SHOWN	6 of 55
Drawn by	LOG	Checked by
		TAK
Date		MAY 2008



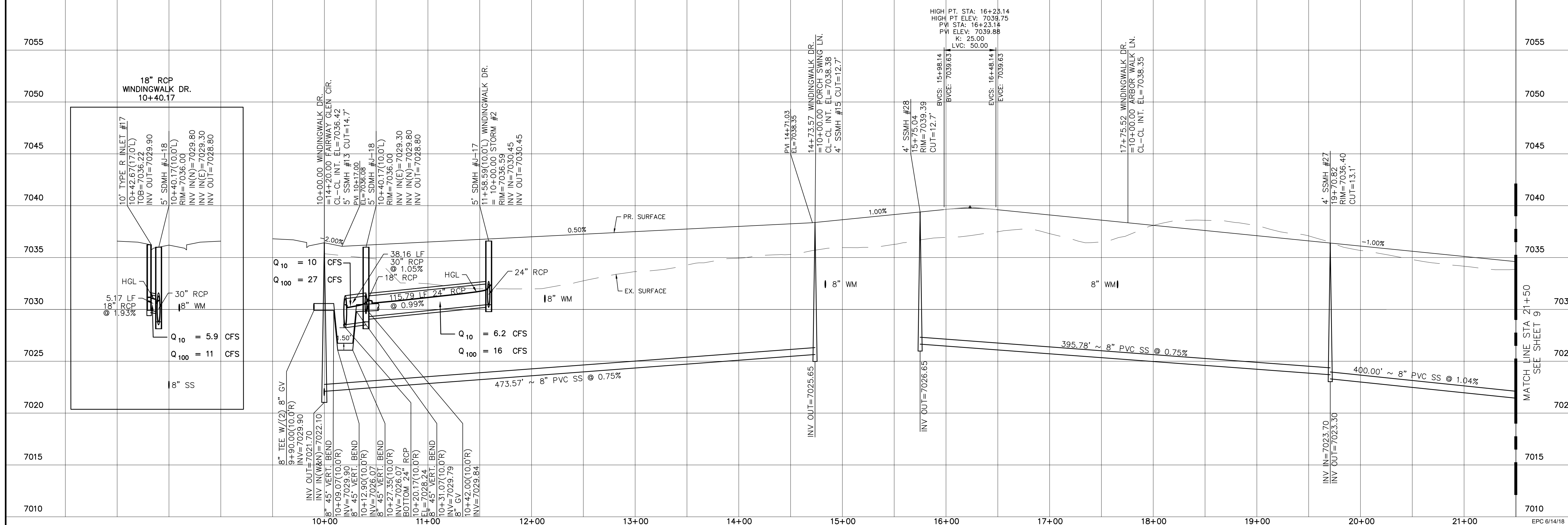
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
3	30.63'	19.50'	90°00'00"
4	30.63'	19.50'	90°00'00"
15	29.93'	19.50'	87°57'19"
16	29.93'	19.50'	87°57'19"
17	30.63'	19.50'	90°00'00"
18	30.63'	19.50'	90°00'00"

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



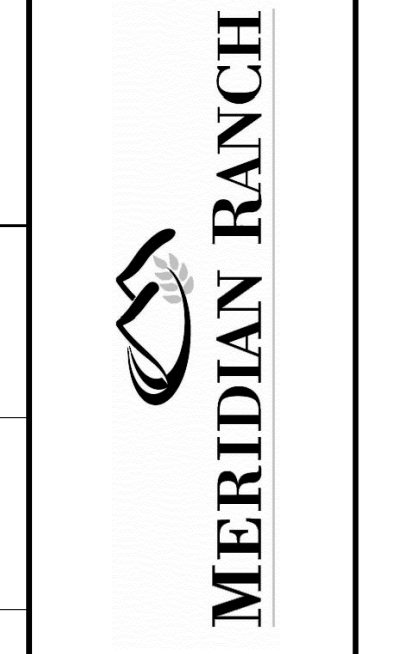
WINDINGWALK DR.

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



No.	Revisions	Date	Invt.	Appr.	Date

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11886 STAPLETON DRIVE
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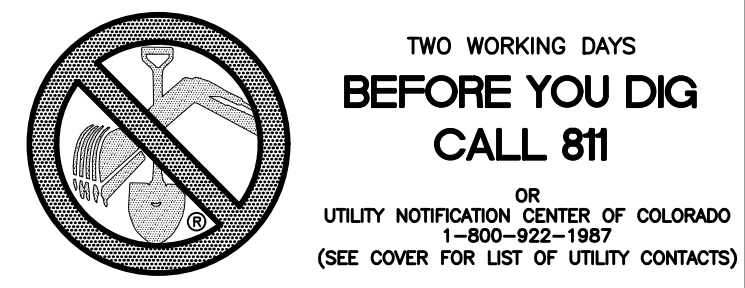


WINDINGWALK FI AT MERIDIAN RANCH
STREET AND UTILITY PLANS
WINDINGWALK DR.

Scale AS SHOWN 8 of 55

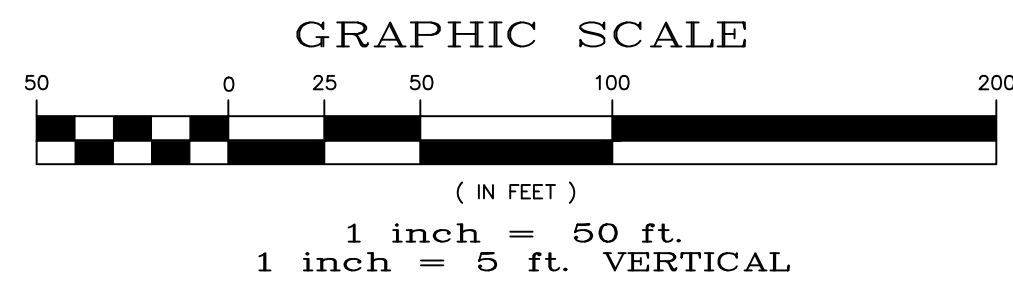
Drawn by LOG
Checked by TAK
Date MAY 2018

EPC 6/14/18



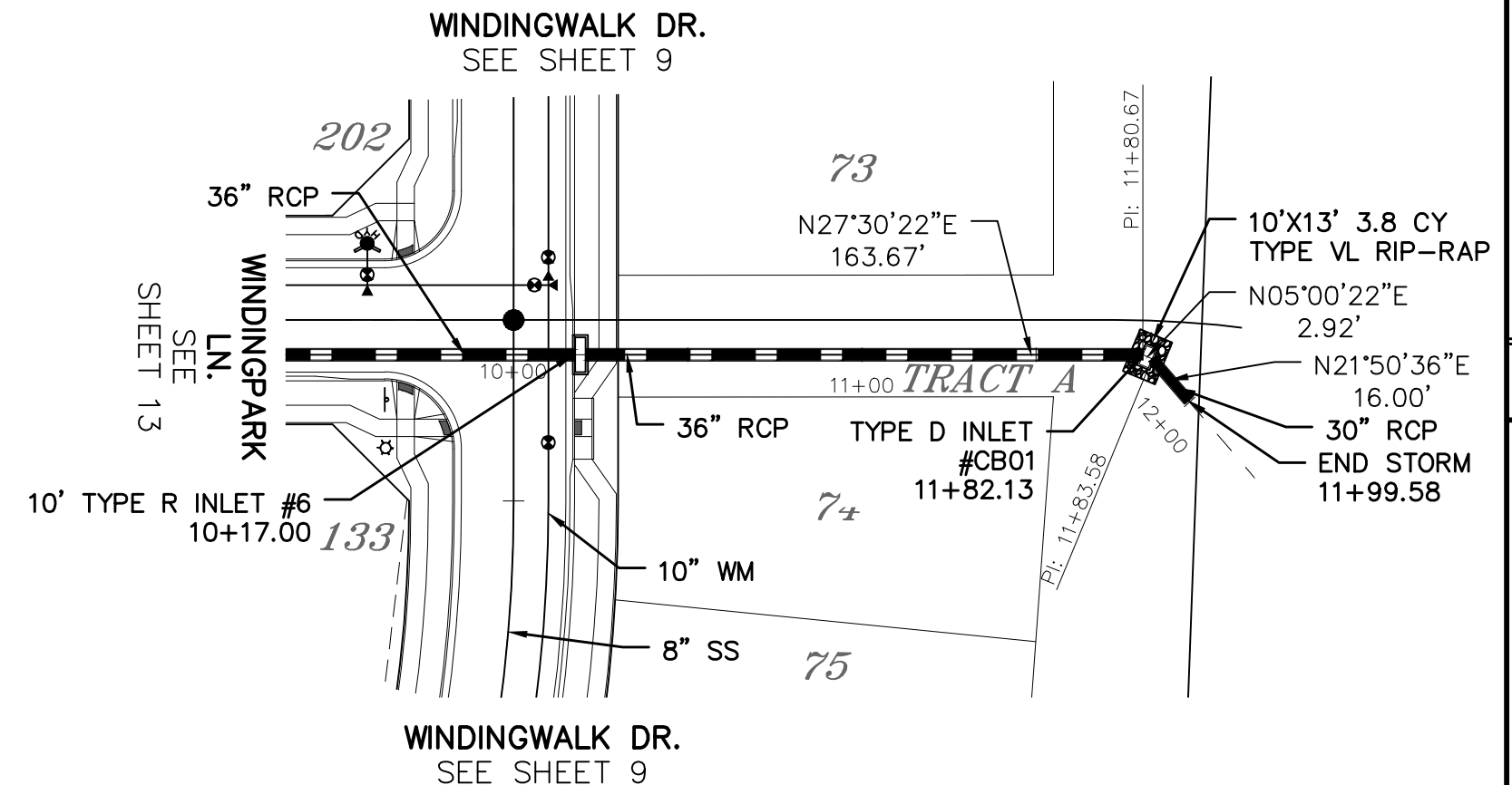
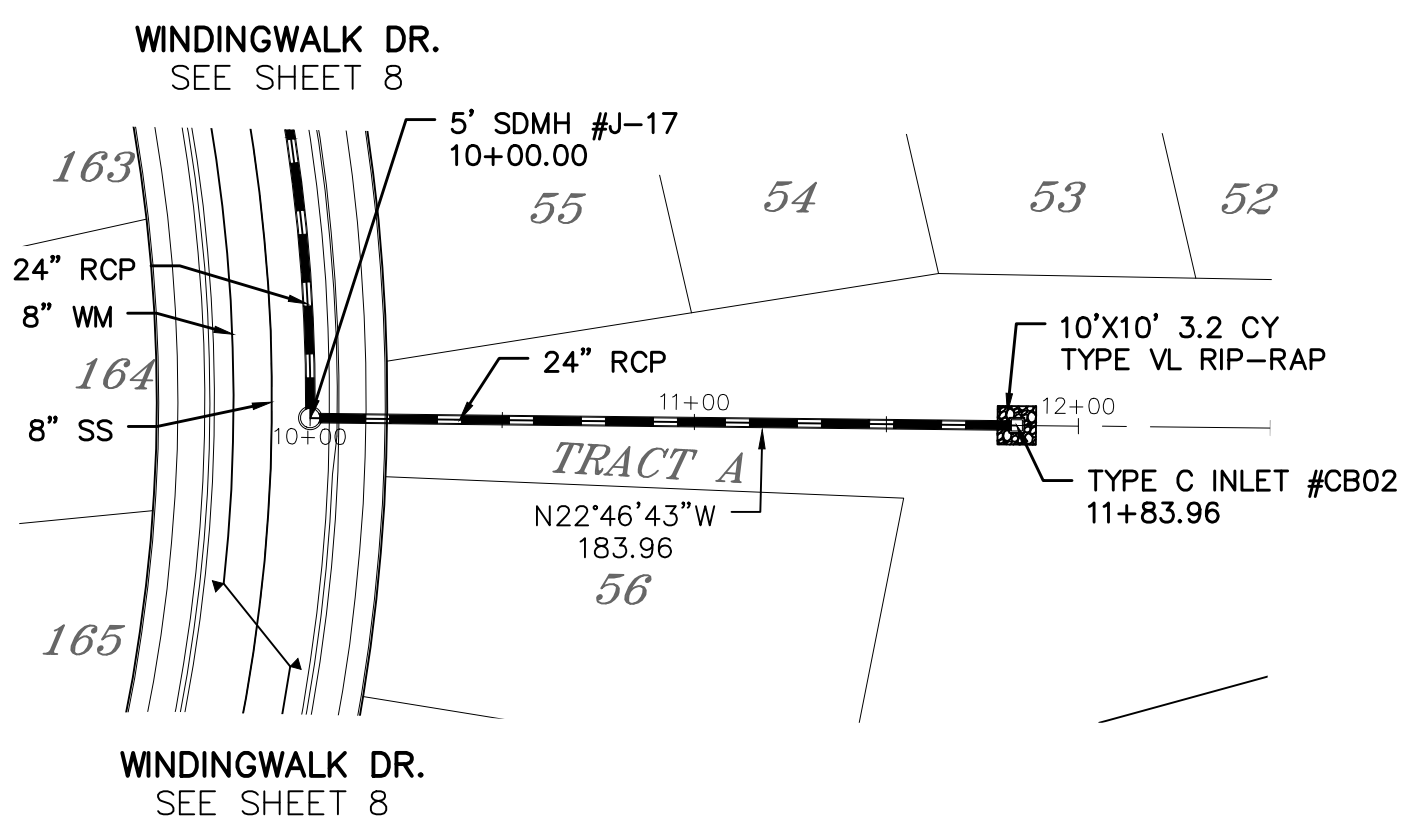
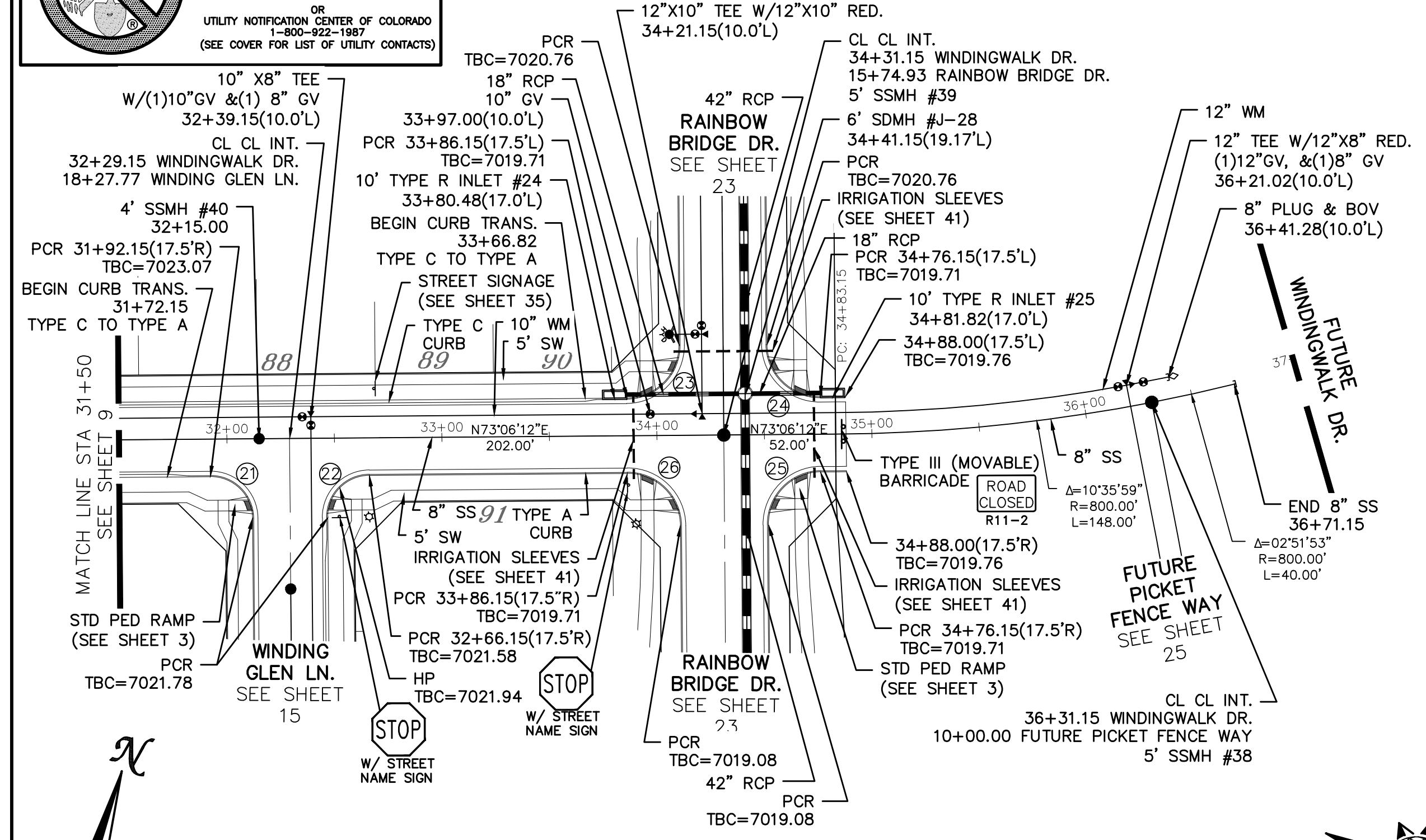
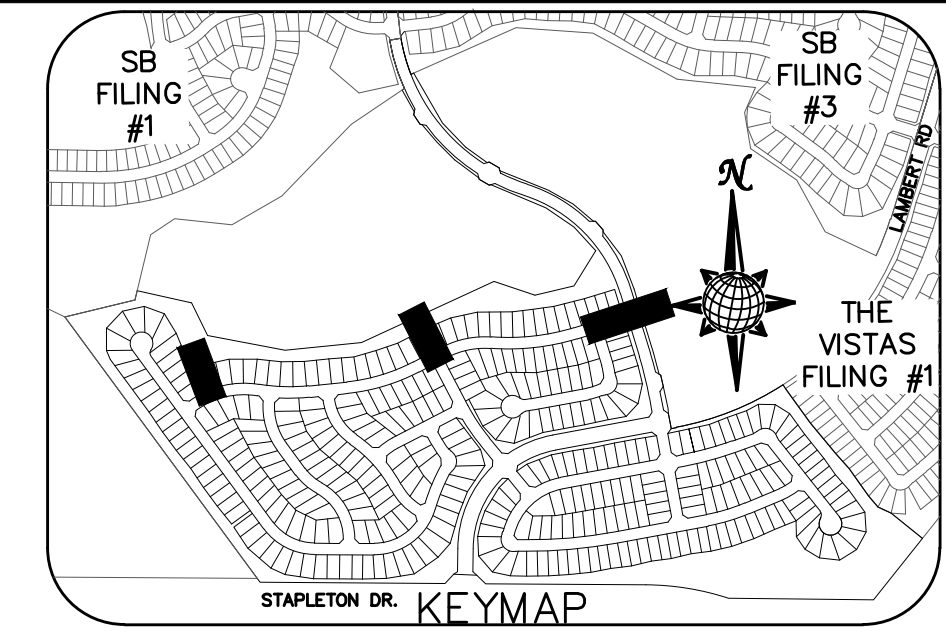
**TWO WORKING DAYS
BEFORE YOU DIG
CALL 811**

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



CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
21	30.63'	19.50'	90°00'00"
22	30.63'	19.50'	90°00'00"
23	38.48'	24.50'	90°00'00"
24	38.48'	24.50'	90°00'00"
25	38.48'	24.50'	90°00'00"
26	38.48'	24.50'	90°00'00"

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

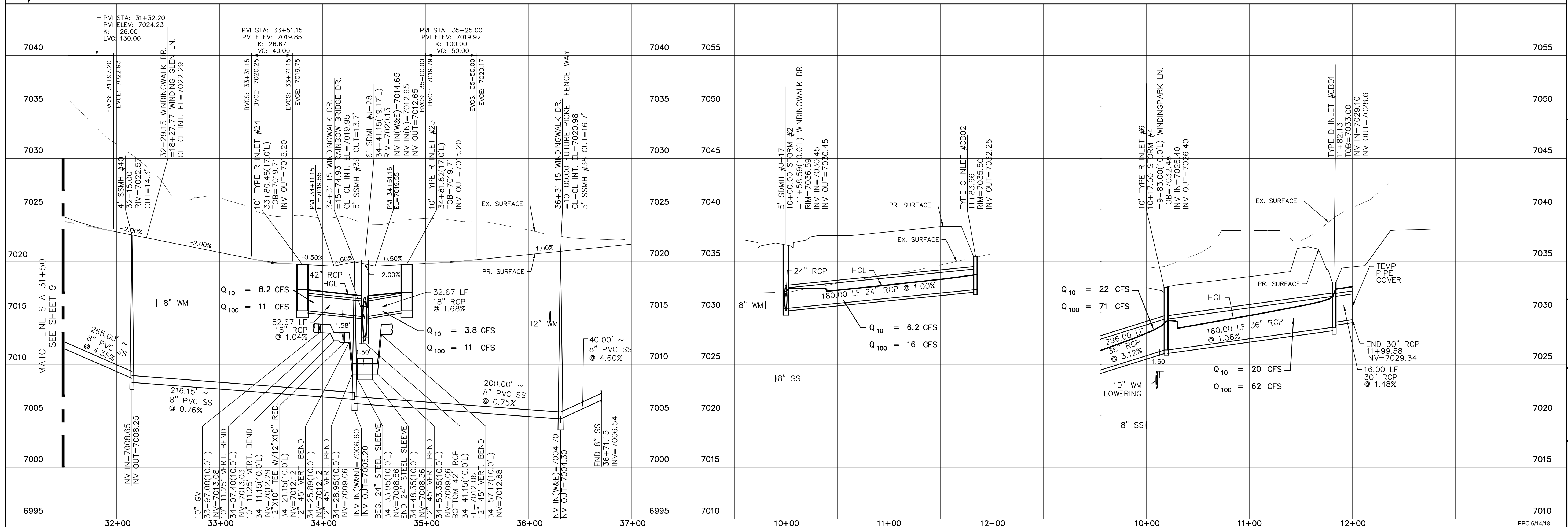


WINDINGWALK DR.

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

STORM #2

STORM #4



Date	Appr.	Date	Revis	No.

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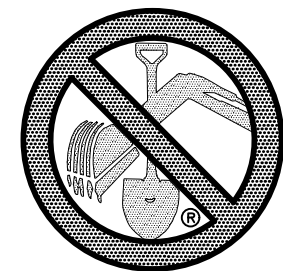


WINDINGWALK FI AT MERIDIAN RANCH
STREET AND UTILITY PLANS
WINDINGWALK DR.
+ STORM #2 + STORM#4

Drawn by
Checked by
Date

Scale
AS SHOWN
10 of 55
Date
MAY 2008



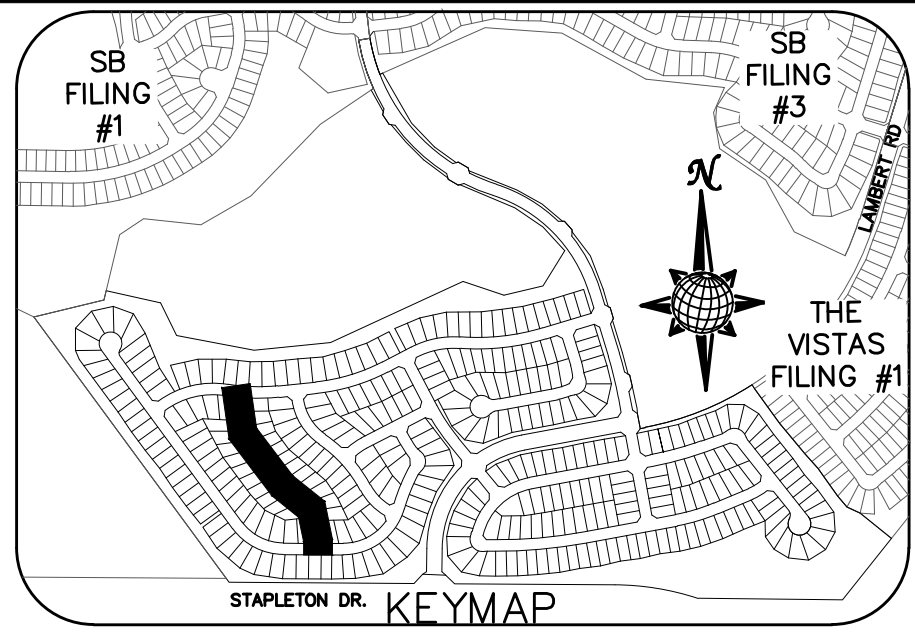
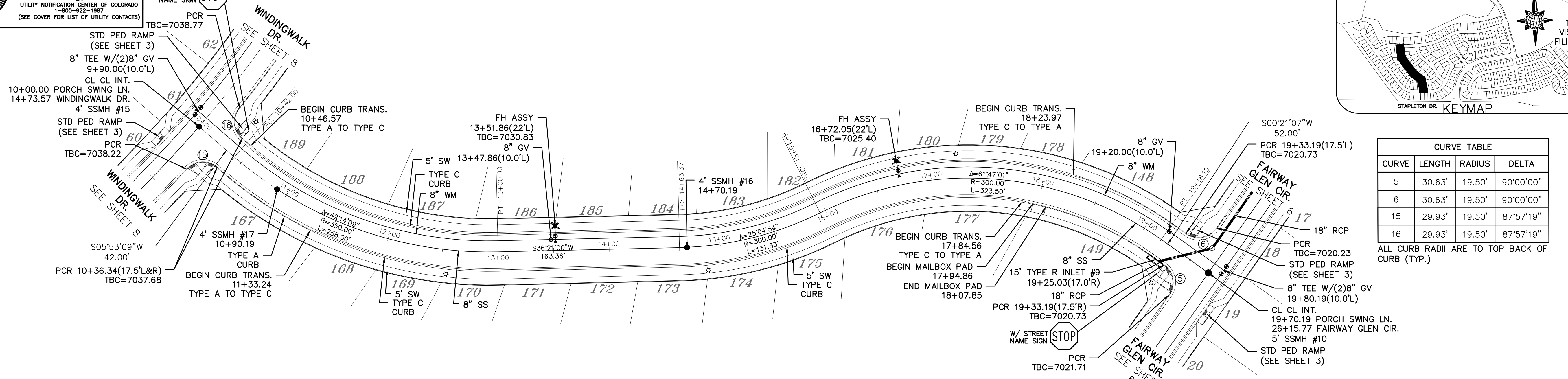


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1-800-922-1987
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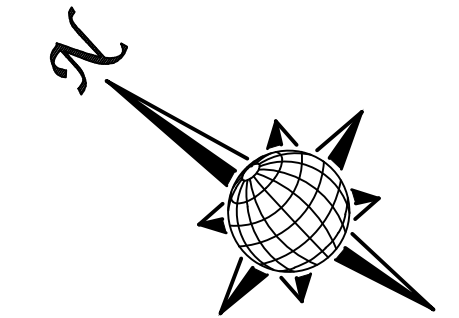


W/ STREET
NAME SIGN



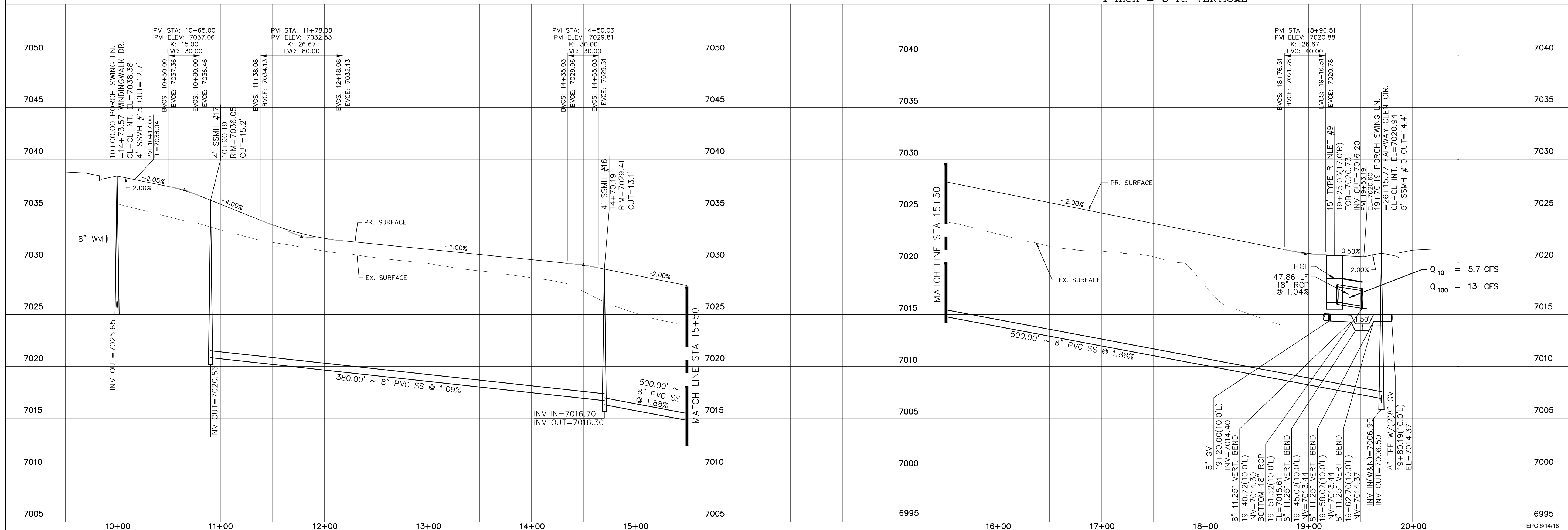
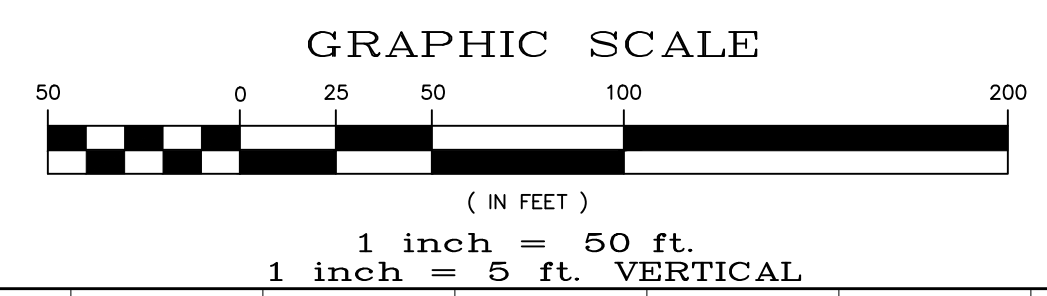
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
5	30.63'	19.50'	90°00'00"
6	30.63'	19.50'	90°00'00"
15	29.93'	19.50'	87°57'19"
16	29.93'	19.50'	87°57'19"

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

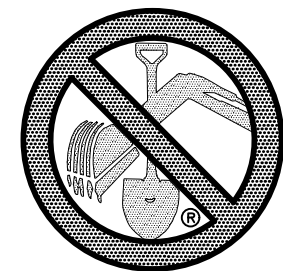


PORCH SWING LN.

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



Date	Appr.	
Date	Revit.	
No.	Revisions	
TECH CONTRACTORS DRIVE 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		
WINDINGWALK FI AT MERIDIAN RANCH STREET AND UTILITY PLANS PORCH SWING LN.		
Scale	AS SHOWN	11 of 55
Drawn by	LOG	Checked by
		TAK
Date		MAY 2008

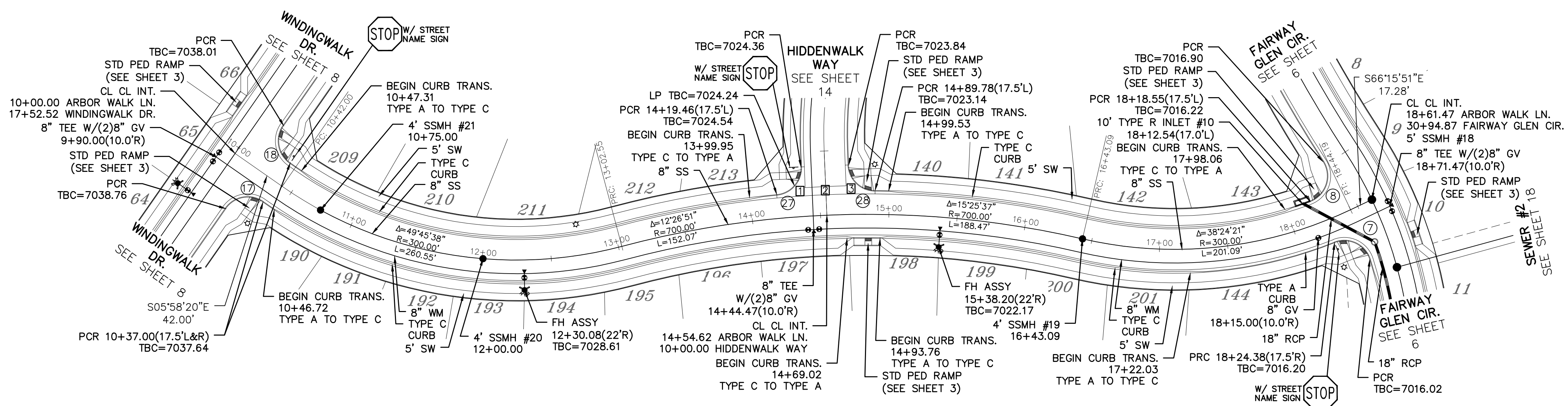
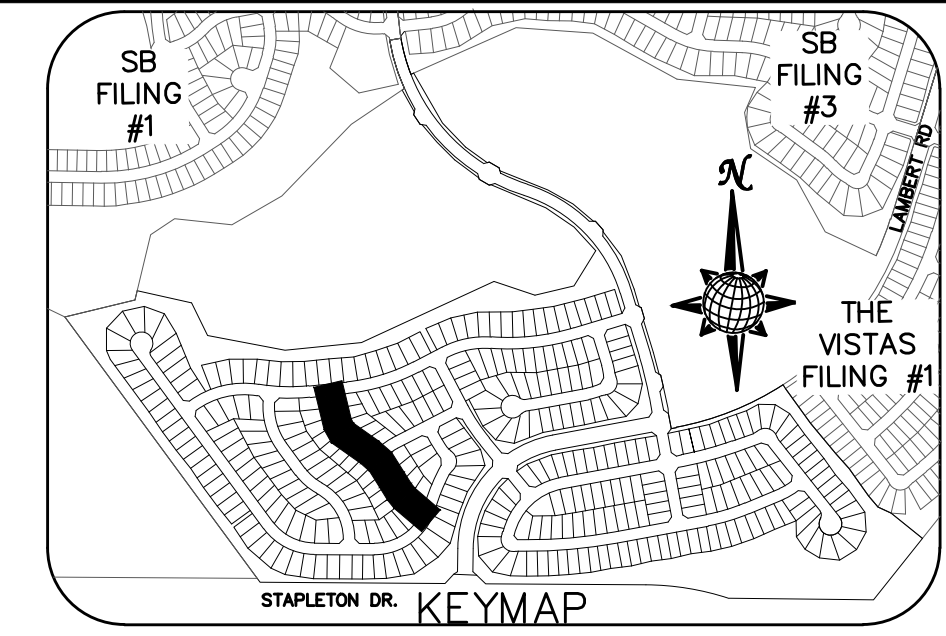


TWO WORKING DAYS
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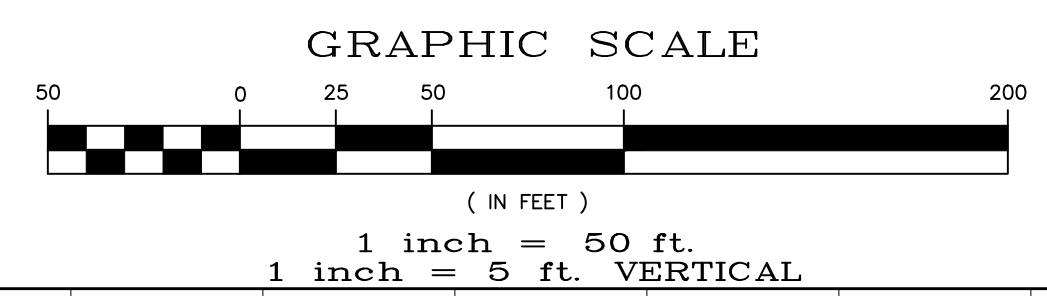
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

INSTALL CROSS PAN
PER COUNTY STD
SD-2-26

□ = 7023.67
□ = 7023.34
□ = 7023.00



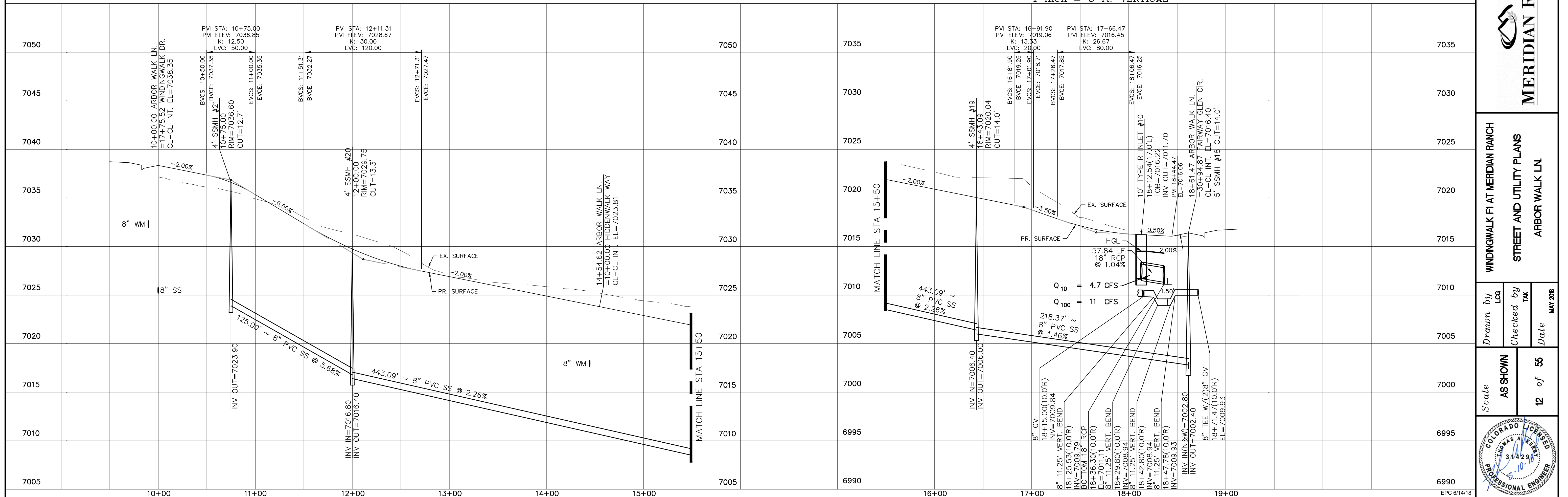
ARBOR WALK LN.



CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
7	32.04'	19.50'	94°08'36"
8	34.84'	19.50'	102°22'10"
17	30.63'	19.50'	90°00'00"
18	30.63'	19.50'	90°00'00"
27	29.65'	19.50'	87°07'20"
28	29.65'	19.50'	87°07'20"

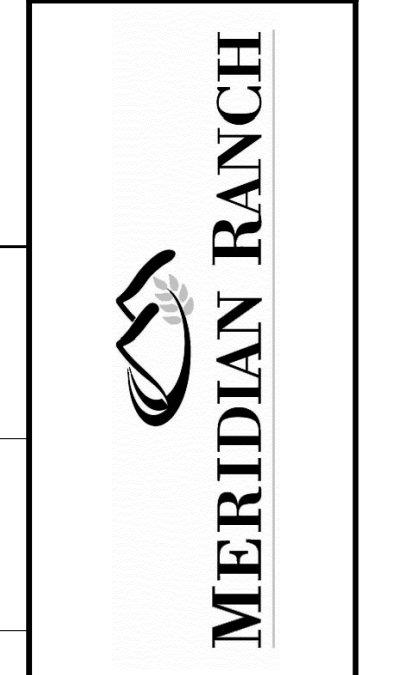
ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)

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



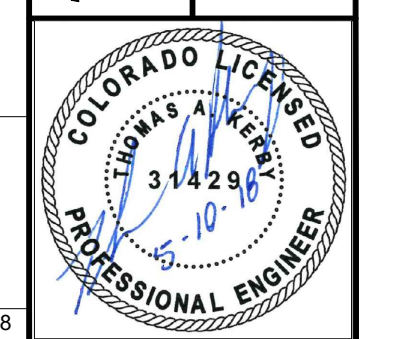
No.	Revisions	Date	Appr.	Date

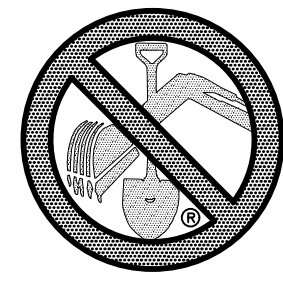
TECH CONTRACTORS
11886 STAPLETON DRIVE
FALCON, CO 80831
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FAX: 719.495.2457



WINDINGWALK FI AT MERIDIAN RANCH
STREET AND UTILITY PLANS
ARBOR WALK LN.

Scale AS SHOWN 12 of 55
Drawn by LOG
Checked by TAK
Date MAY 2018



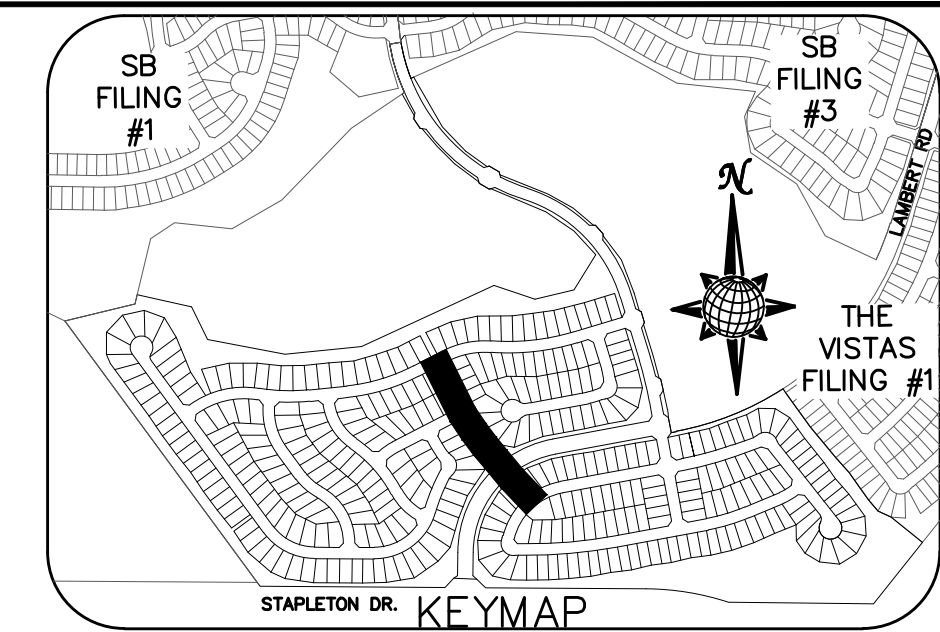


TWO WORKING DAYS
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UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

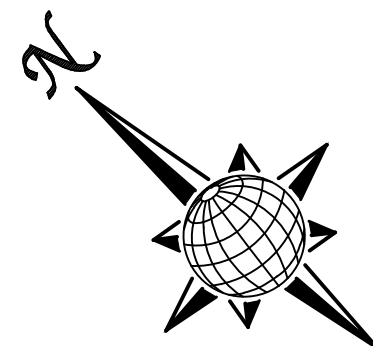
INSTALL CROSS PAN
PER COUNTY STD
SD-2-26

- 1 = 7016.29
- 2 = 7015.98
- 3 = 7015.66



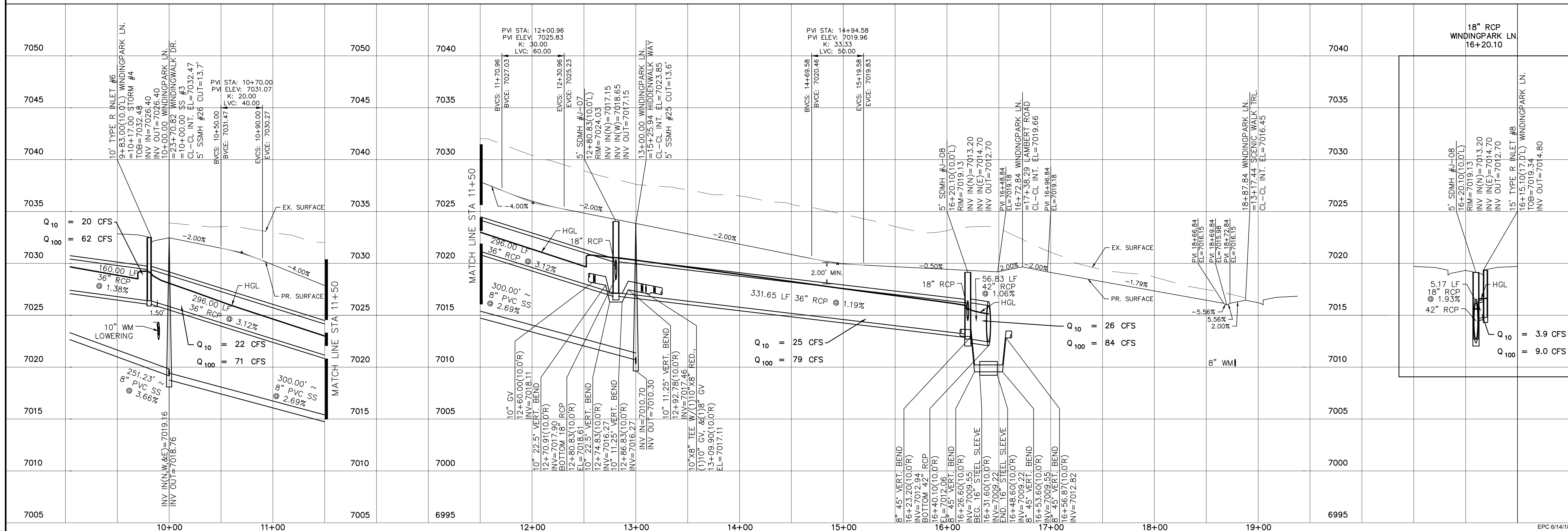
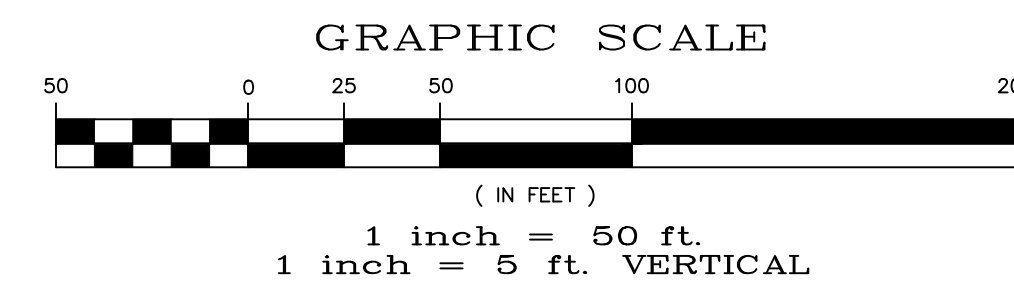
CURVE	LENGTH	RADIUS	DELTA
19	30.63'	19.50'	90°00'00"
20	30.63'	19.50'	90°00'00"
29	30.63'	19.50'	90°00'00"
30	29.93'	19.50'	87°57'19"
31	36.81'	24.50'	86°05'26"
32	36.81'	24.50'	86°05'26"
33	40.49'	24.50'	94°41'13"
34	40.49'	24.50'	94°41'13"
35	28.76'	19.50'	84°30'49"
36	28.76'	19.50'	84°30'49"

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



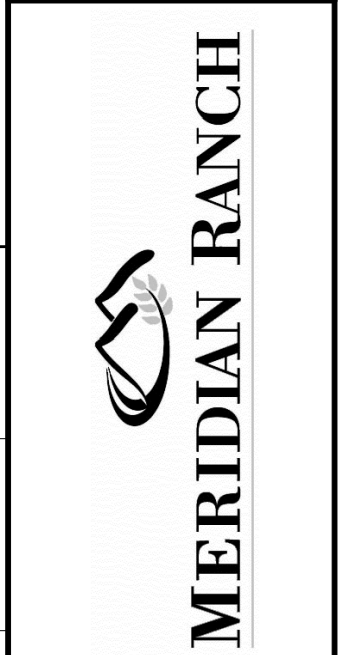
WINDINGPARK LN.

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



No.	Revisions	Date	Appr.	Date

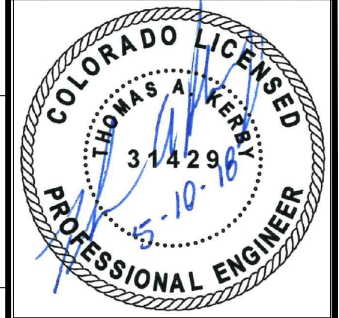
TECH CONTRACTORS
11886 STAPLETON DRIVE
FALCON, CO 80831
TELEPHONE: 719.495.7444
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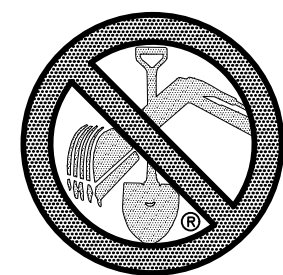


WINDINGPARK LN AT MERIDIAN RANCH
STREET AND UTILITY PLANS
WINDINGPARK LN

Drawn by
Checked by
Date

Scale
AS SHOWN
13 of 55

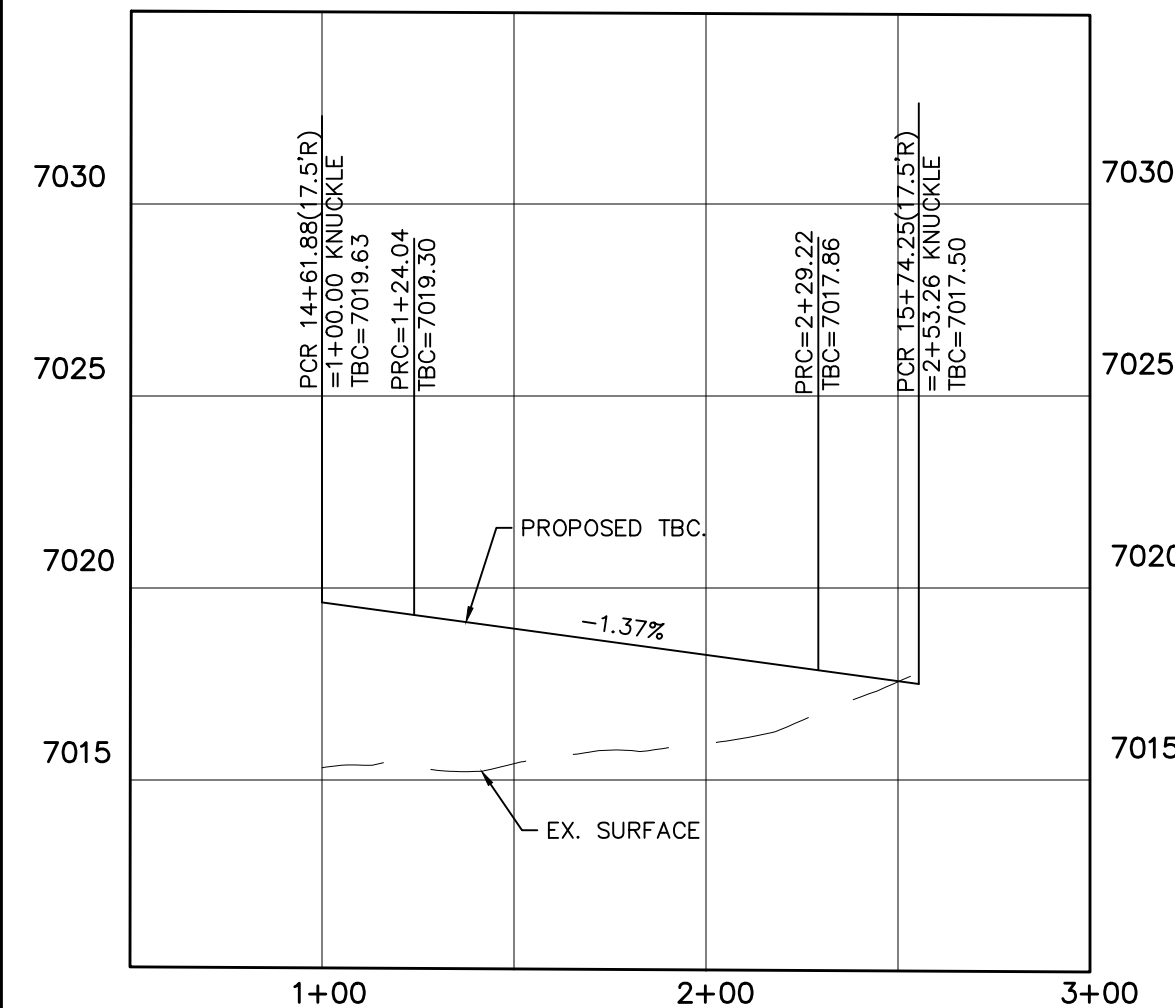




TWO WORKING DAYS
**BEFORE YOU DIG
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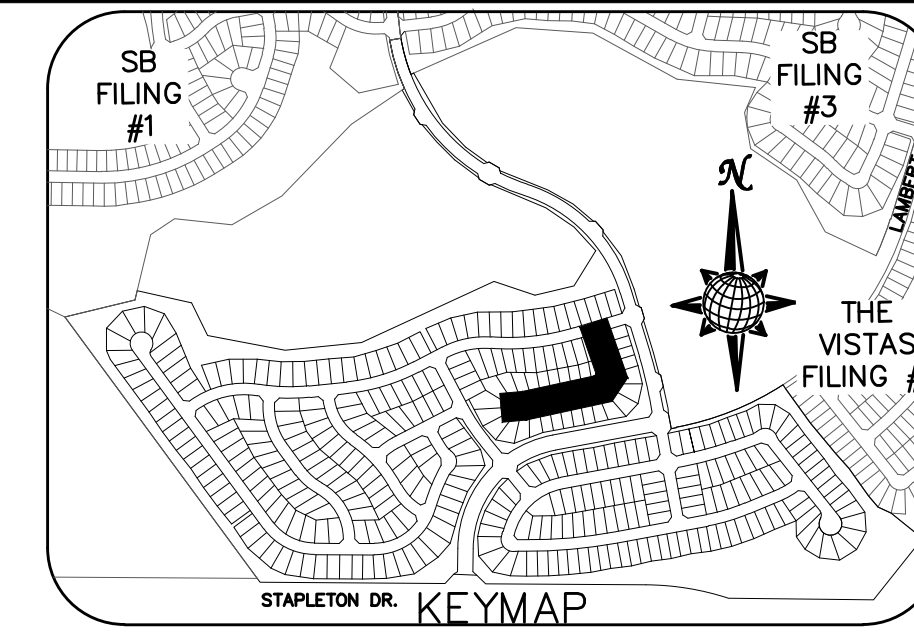
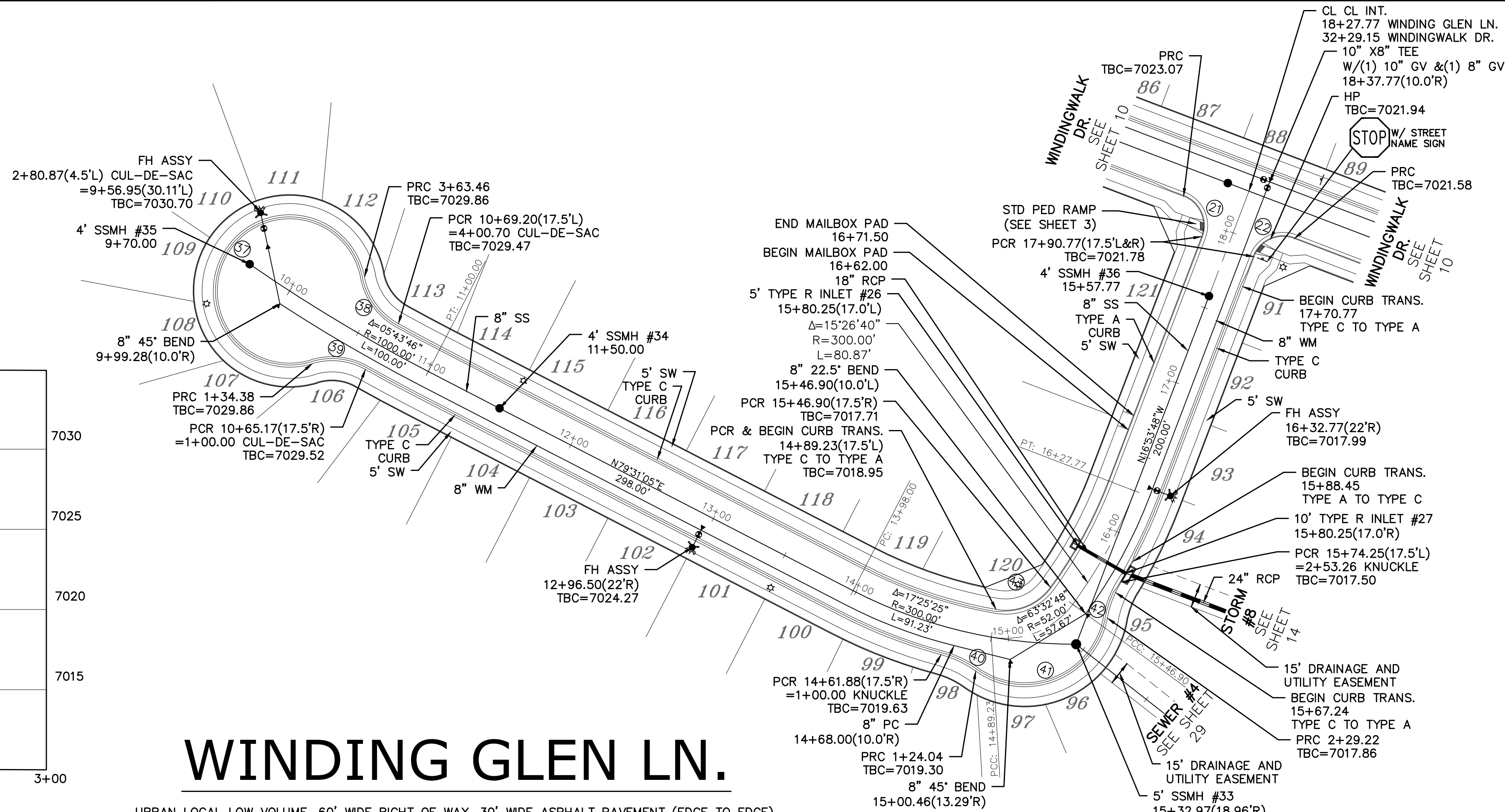
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

WINDING GLEN LN.
KNUCKLE PROFILE
(ALL GRADES ARE TBC)



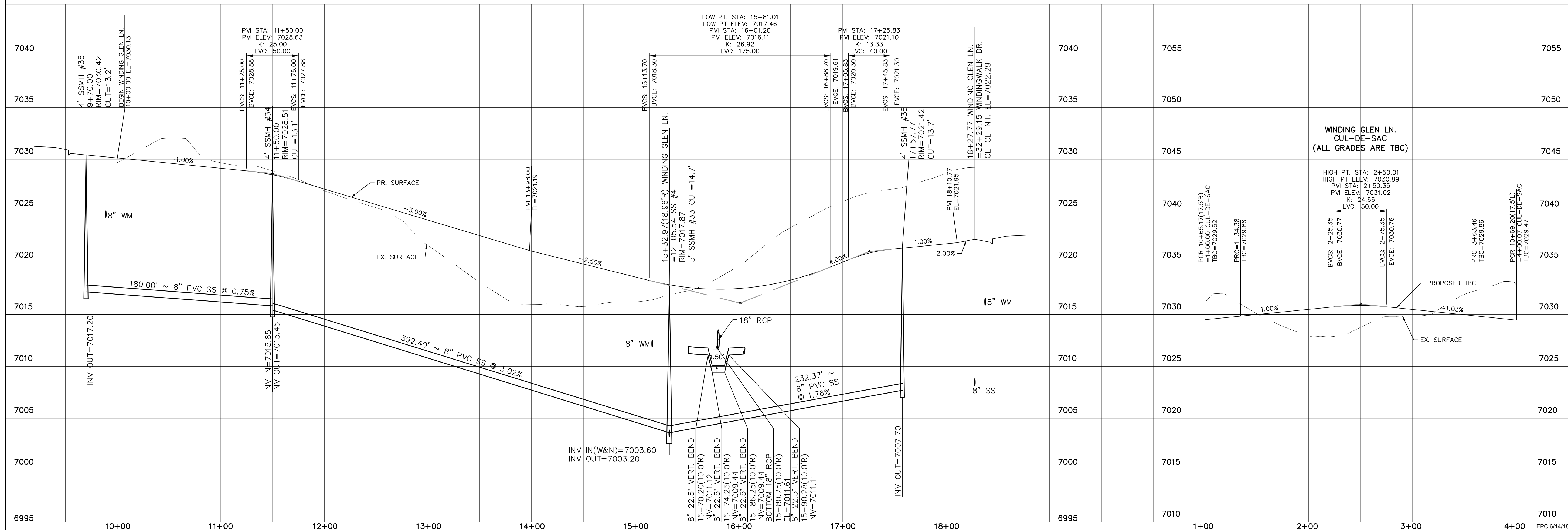
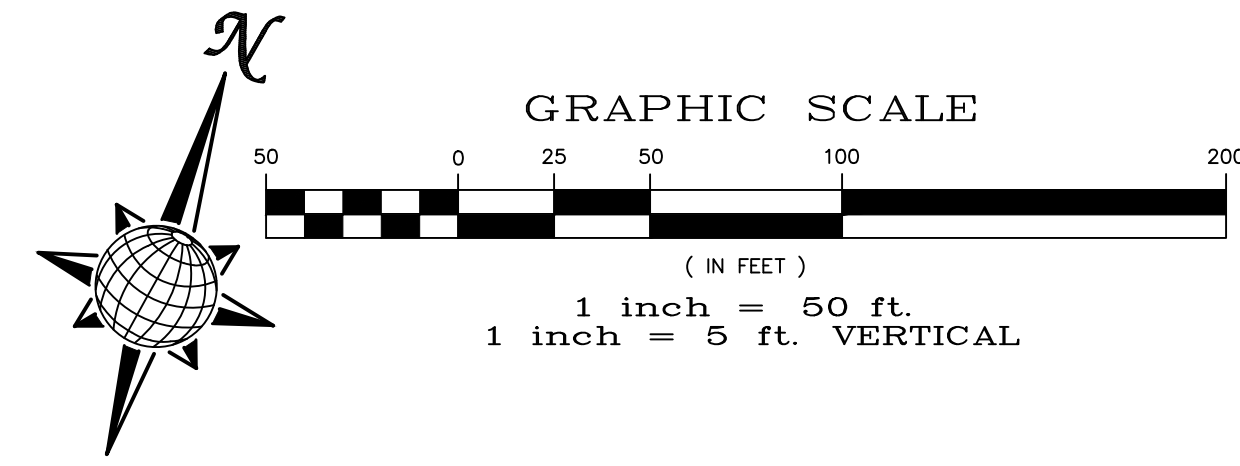
WINDING GLEN LN.

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

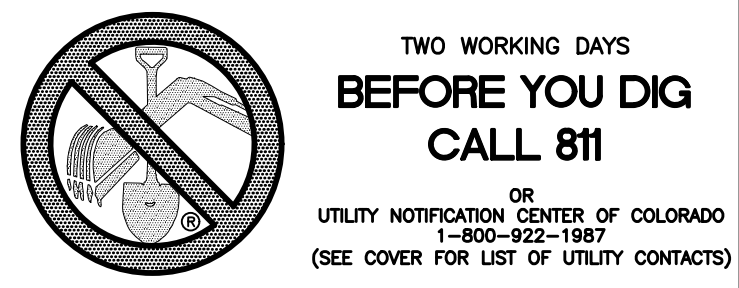


CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
21	30.63'	19.50'	90°00'00"
22	30.63'	19.50'	90°00'00"
27	229.08'	47.50'	276°19'18"
38	37.24'	42.50'	50°12'10"
39	34.38'	42.50'	46°21'00"
40	24.04'	67.50'	20°24'08"
41	105.19'	52.50'	114°47'50"
42	24.04'	67.50'	20°24'08"
43	38.26'	34.50'	63°32'48"

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

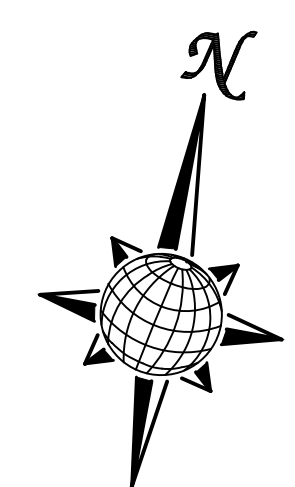
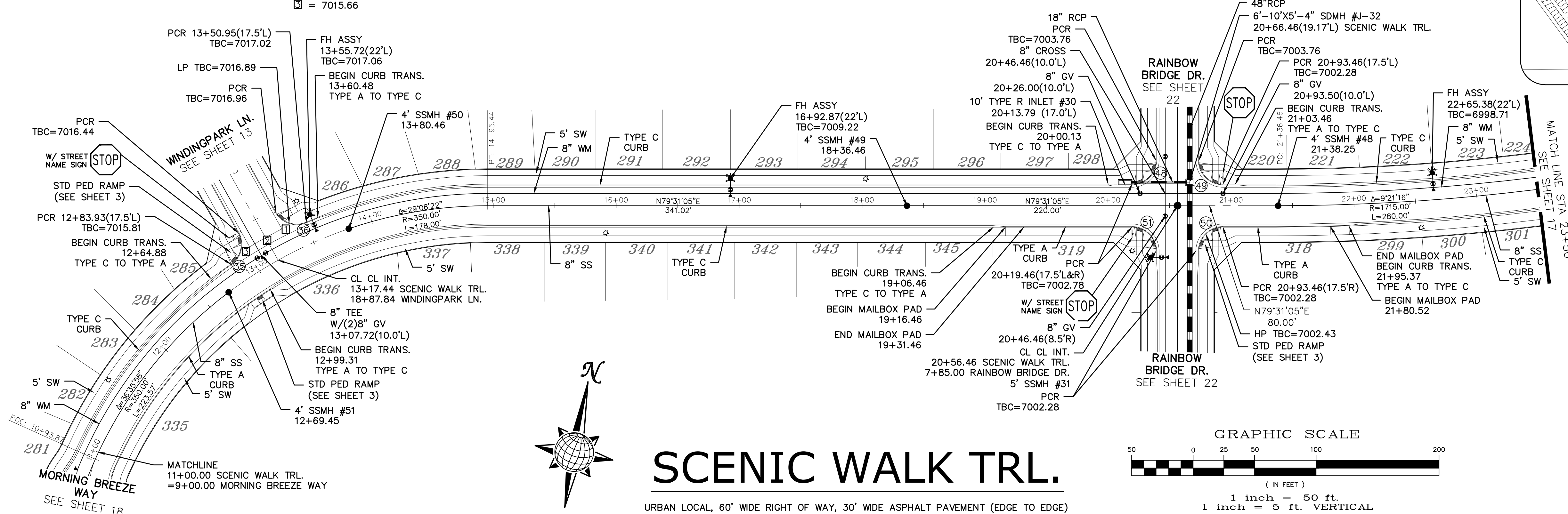
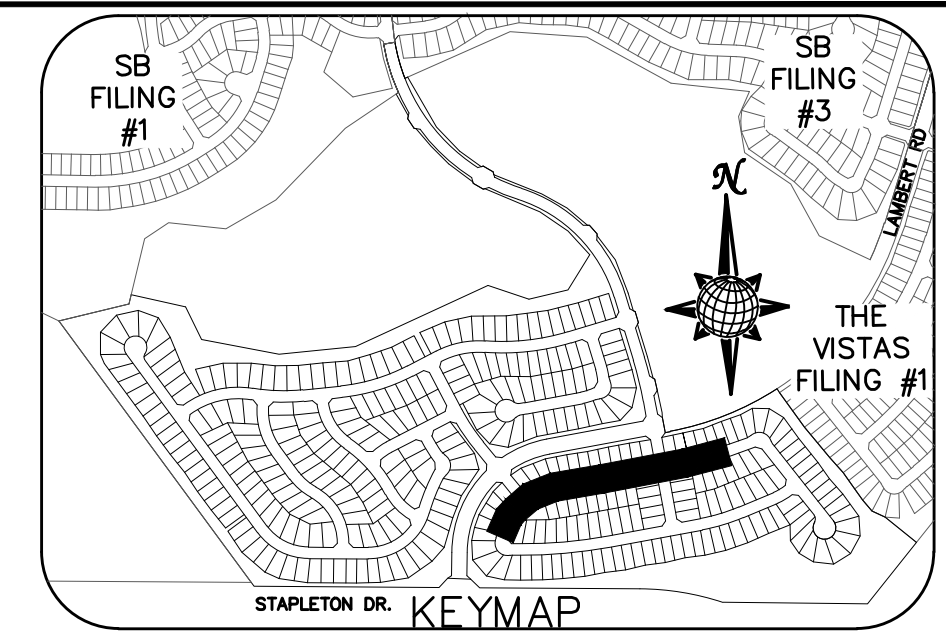


Date					
Appr.					
Revisions					
No.					
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
MERIDIAN RANCH					
WINDING WALK FI AT MERIDIAN RANCH STREET AND UTILITY PLANS WINDING GLEN LN.					
Scale	AS SHOWN	15 of 55	Date	MAY 2018	
Drawn by	LOG	Checked by	TAK		



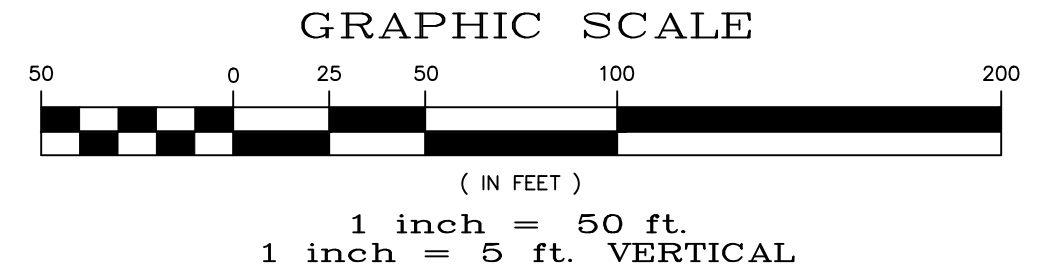
INSTALL CROSS PAN
PER COUNTY STD
SD-2-26

□ = 7016.29
□ = 7015.98
□ = 7015.66



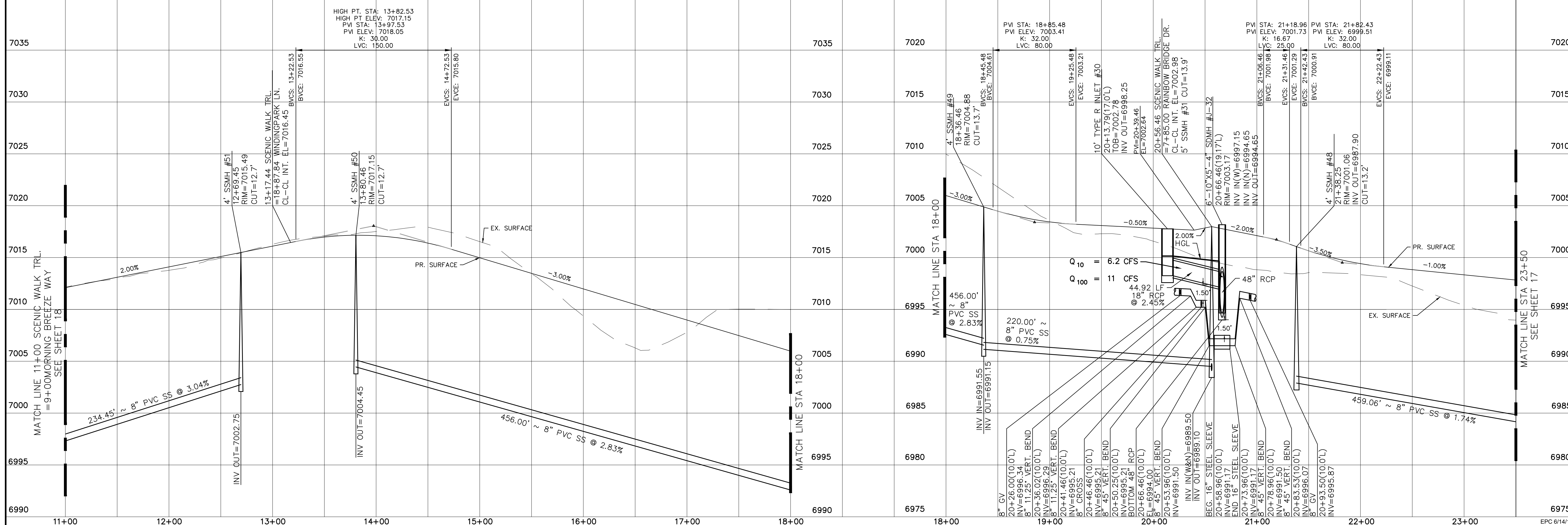
SCENIC WALK TRL.

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



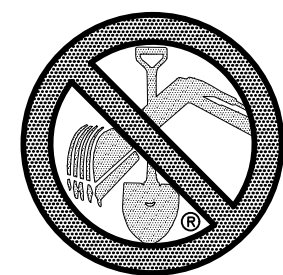
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
35	28.76'	19.50'	84°30'49"
36	28.76'	19.50'	84°30'49"
48	30.63'	19.50'	90°00'00"
49	30.63'	19.50'	90°00'00"
50	30.63'	19.50'	90°00'00"
51	30.63'	19.50'	90°00'00"

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

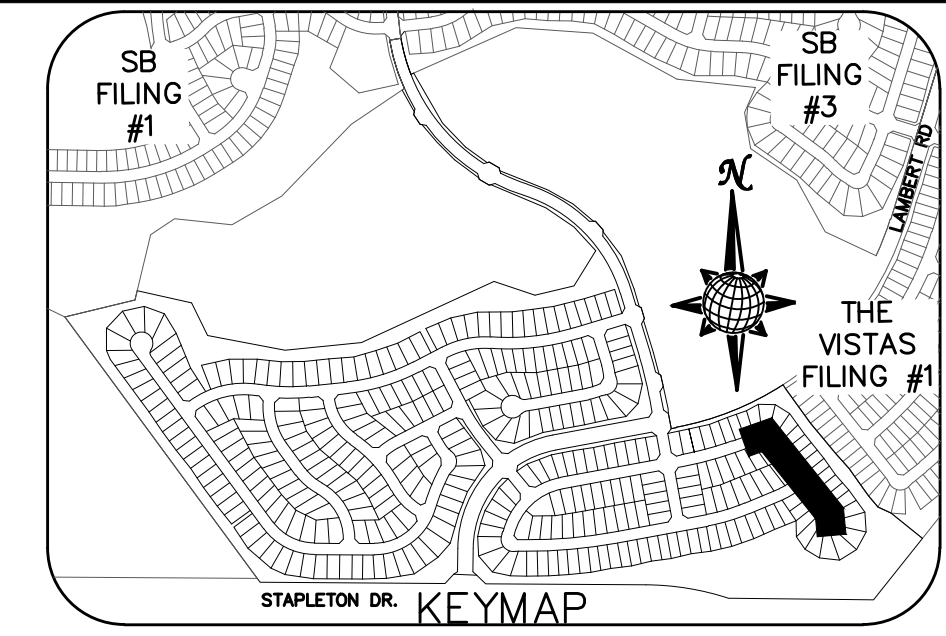


Scale	AS SHOWN	16 of 55
Drawn by	LOG	Checked by
LOG	TAK	Date
MAY 2018		
WINDINGWALK FI AT MERIDIAN RANCH		
STREET AND UTILITY PLANS		
SCENIC WALK TRL.		
TECH CONTRACTORS		
11886 STAPLETON DRIVE		
FALCON, CO 80831		
TELEPHONE: 719.495.7444		
FAX: 719.495.2457		
No.	Revisions	Date
		Appr.
		Date

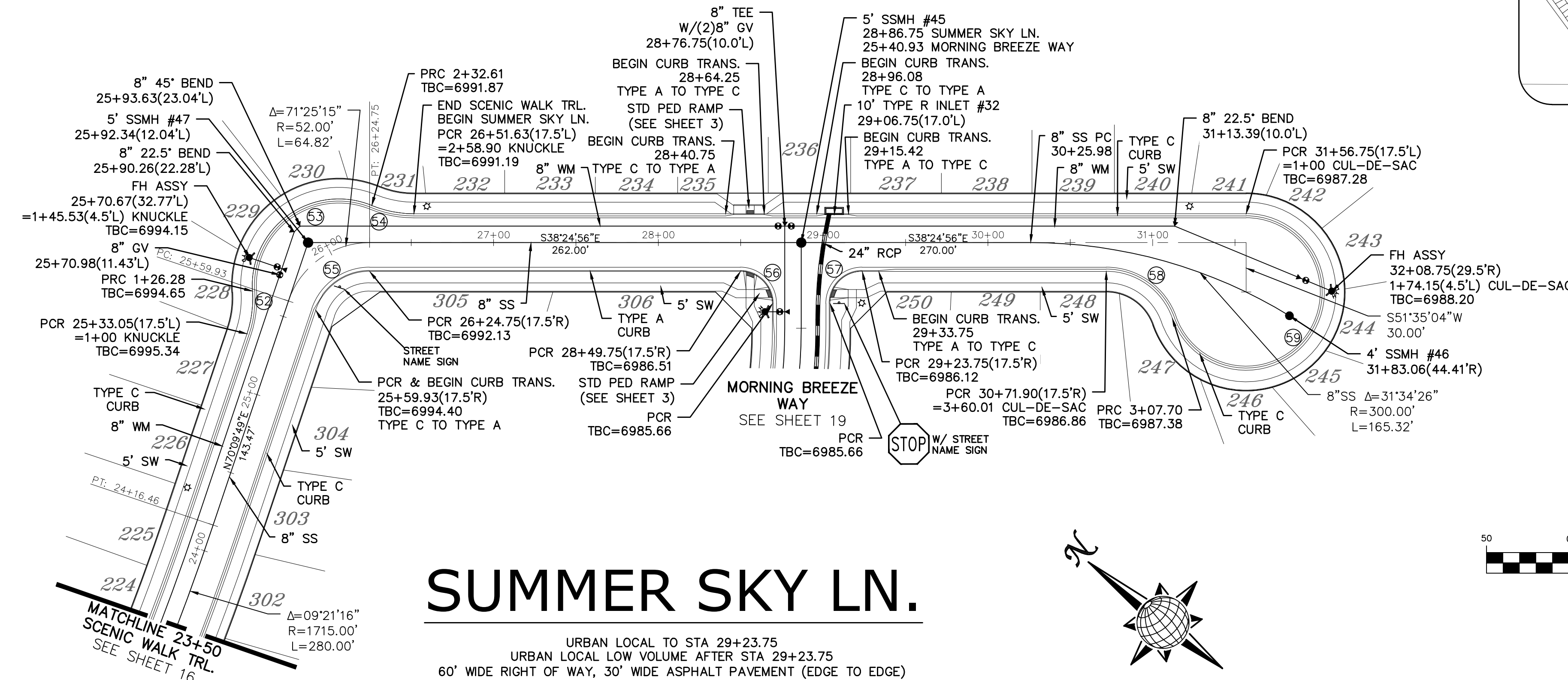
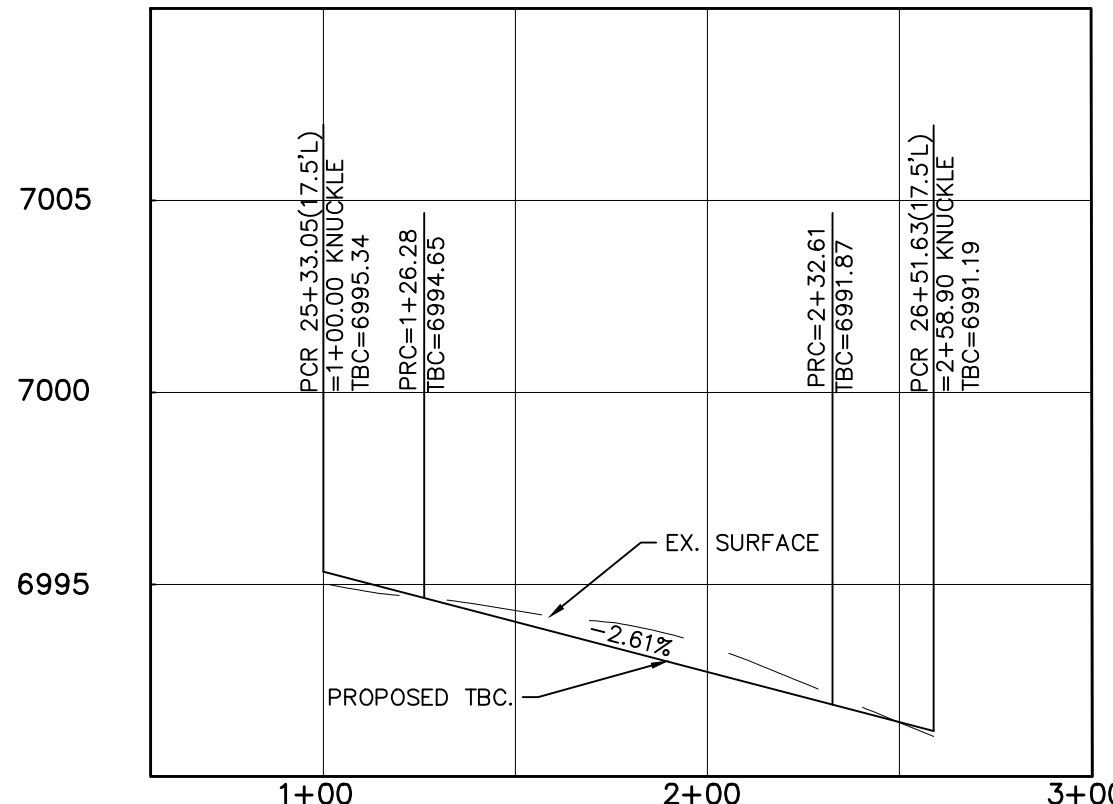




TWO WORKING DAYS
BEFORE YOU DIG
CALL 811
 OR
 UTILITY NOTIFICATION CENTER OF COLORADO
 1-800-922-1987
 (SEE COVER FOR LIST OF UTILITY CONTACTS)

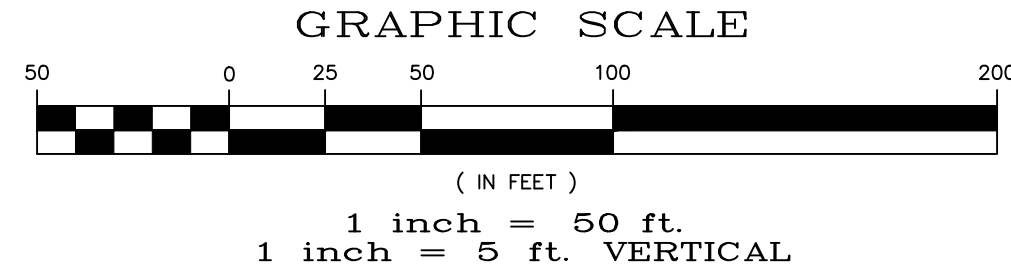


SCENIC WALK TRL.
 KNUCKLE PROFILE
 (ALL GRADES ARE TBC)



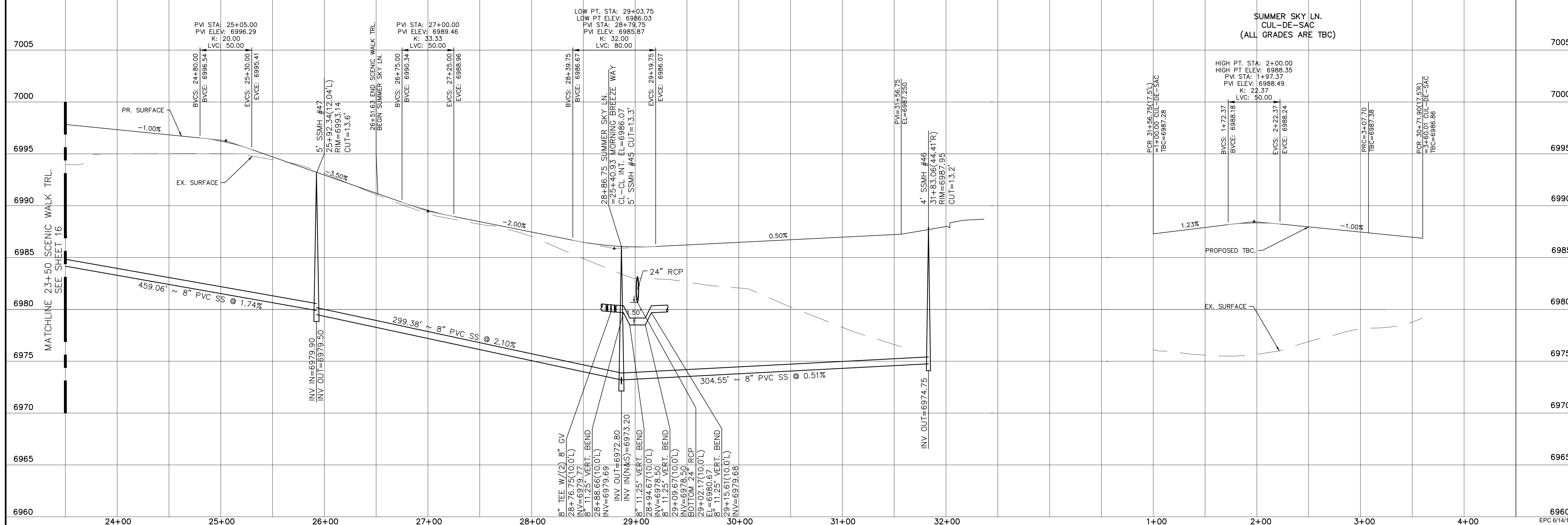
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
52	26.28'	67.50'	22'18"38"
53	106.33'	52.50'	116'02"31"
54	26.28'	67.50'	22'18"38"
55	43.01'	34.50'	71'25"15"
56	30.63'	19.50'	90'00"00"
57	30.63'	19.50'	90'00"00"
58	52.32'	42.50'	70'31"44"
59	207.70'	47.50'	250'31"44"

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

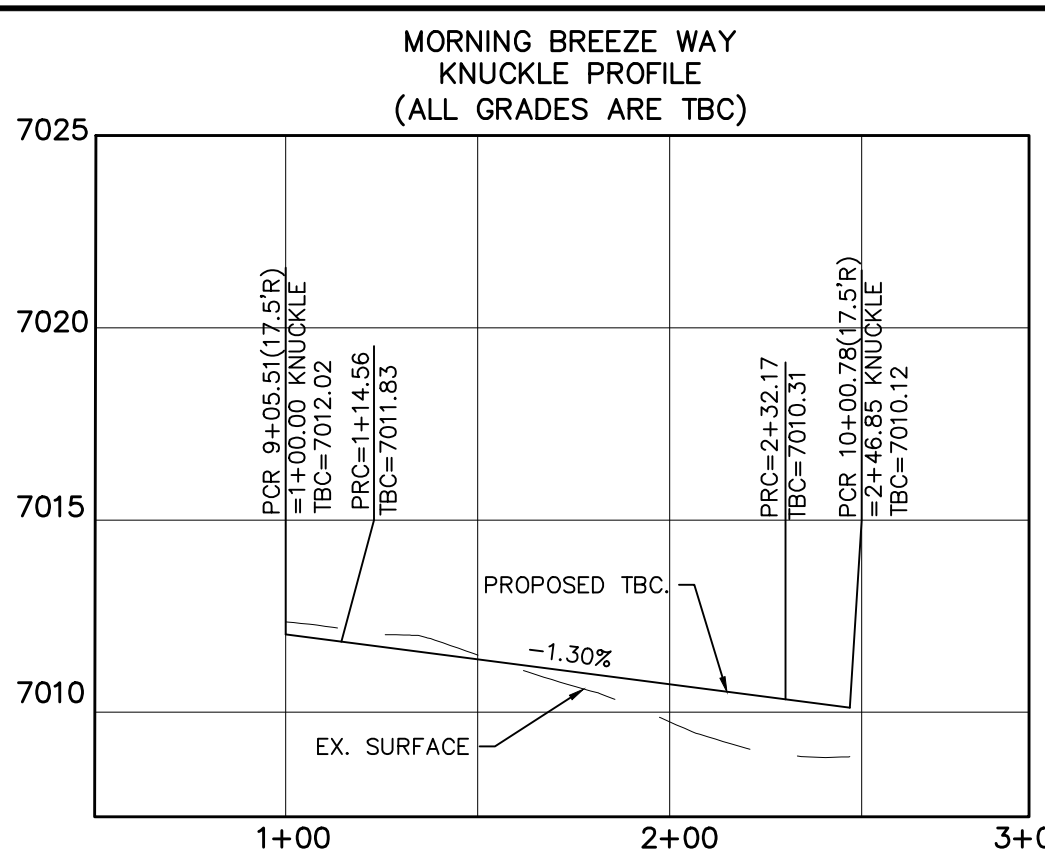
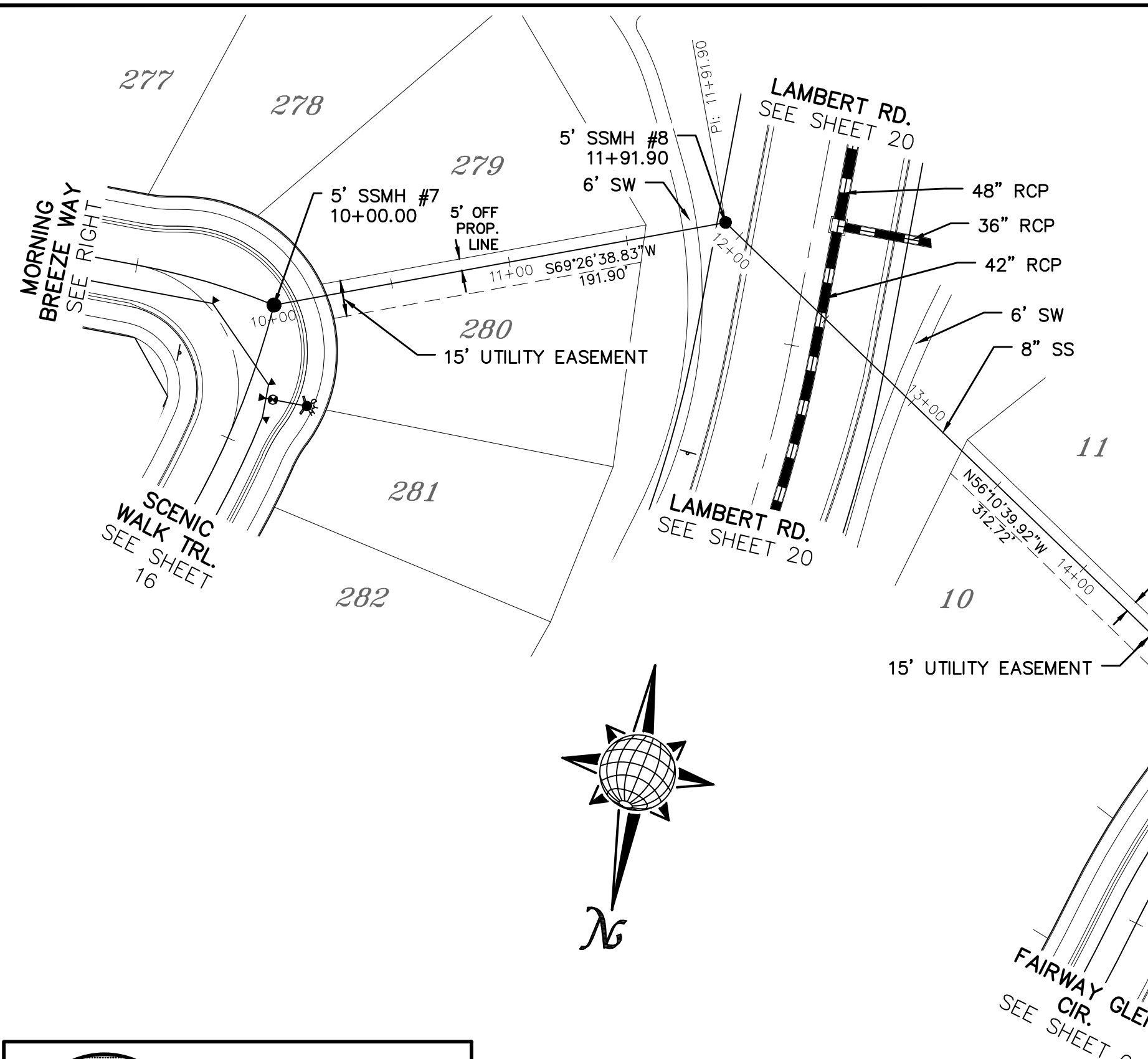


SUMMER SKY LN.

URBAN LOCAL TO STA 29+23.75
 URBAN LOCAL LOW VOLUME AFTER STA 29+23.75
 60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)

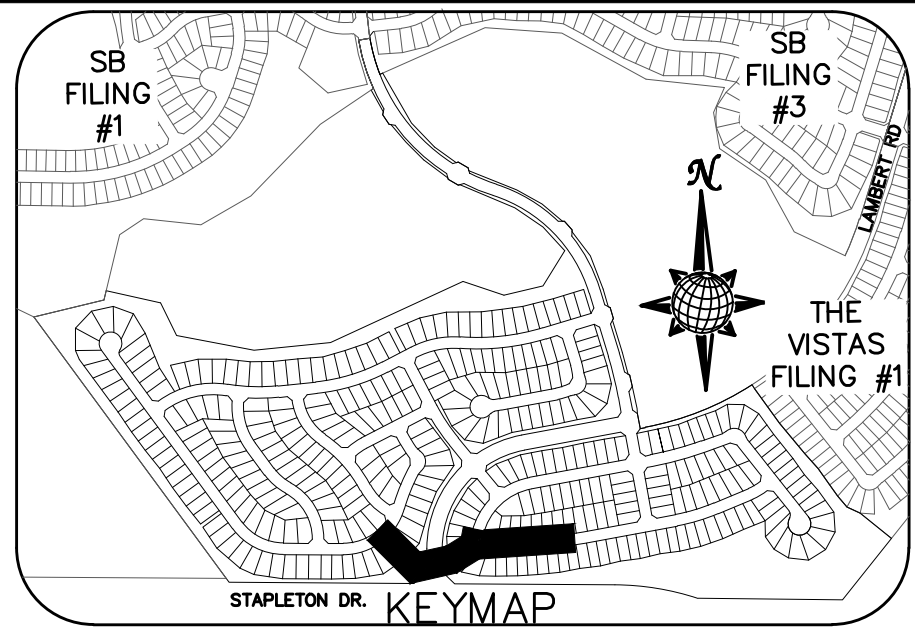


SB FILING #1	SB FILING #3	THE VISTAS FILING #1
DATE	DATE	DATE
APPROVED	APPROVED	APPROVED
NO.	NO.	NO.
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		
 MERIDIAN RANCH		
WINDINGWALK FI AT MERIDIAN RANCH STREET AND UTILITY PLANS SUMMER SKY LN.		
Scale	Drawn by	Checked by
AS SHOWN	LOG	TAK
17 of 55	Date	MAY 2018



CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
44	14.68'	67.50'	12°27'41"
45	117.61'	52.50'	128°21'05"
46	14.56'	67.50'	12°21'37"
47	62.28'	34.50'	103°25'38"

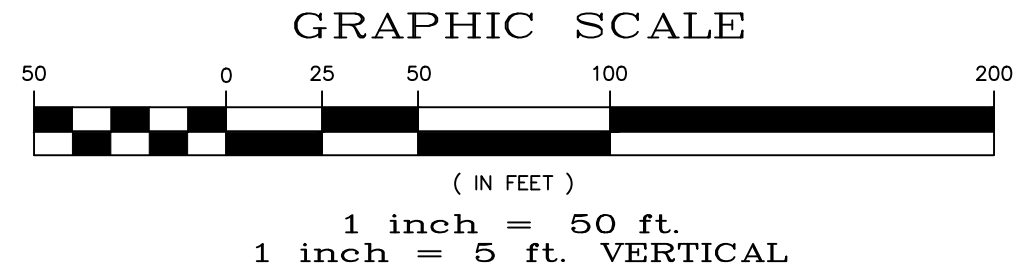
ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)



TWO WORKING DAYS BEFORE YOU DIG CALL 811

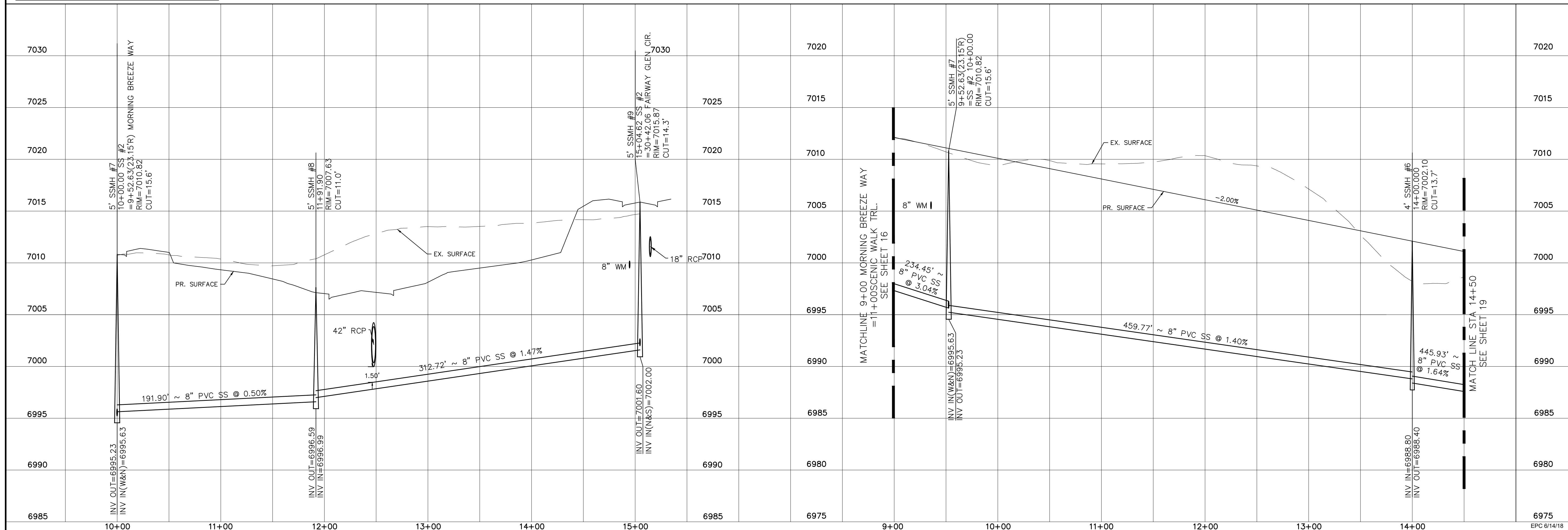
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

SEWER #2

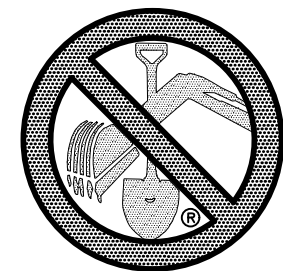


MORNING BREEZE WAY

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

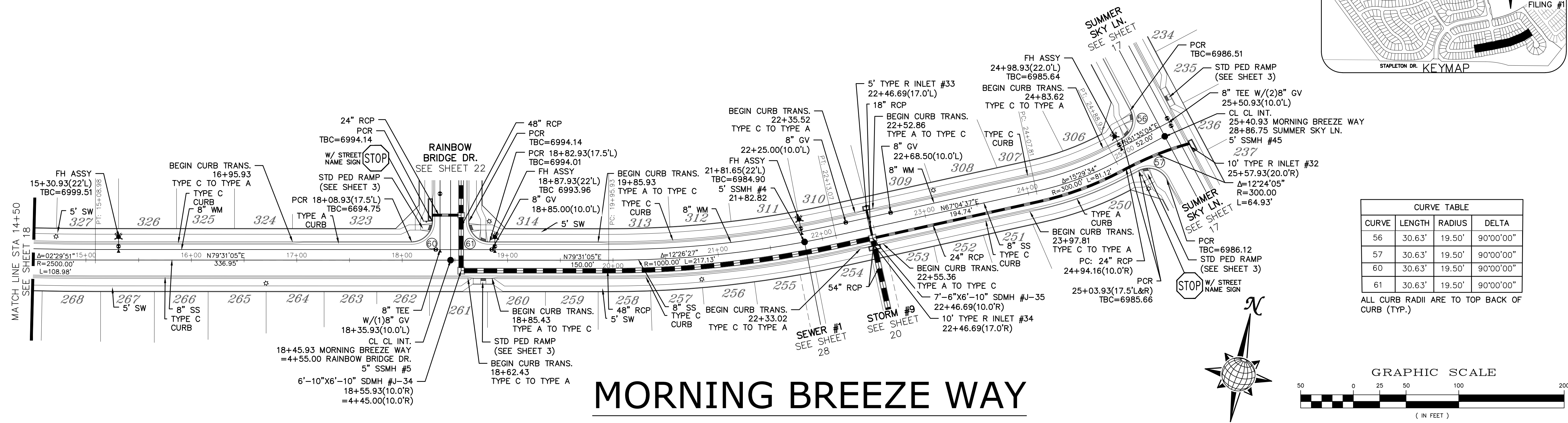
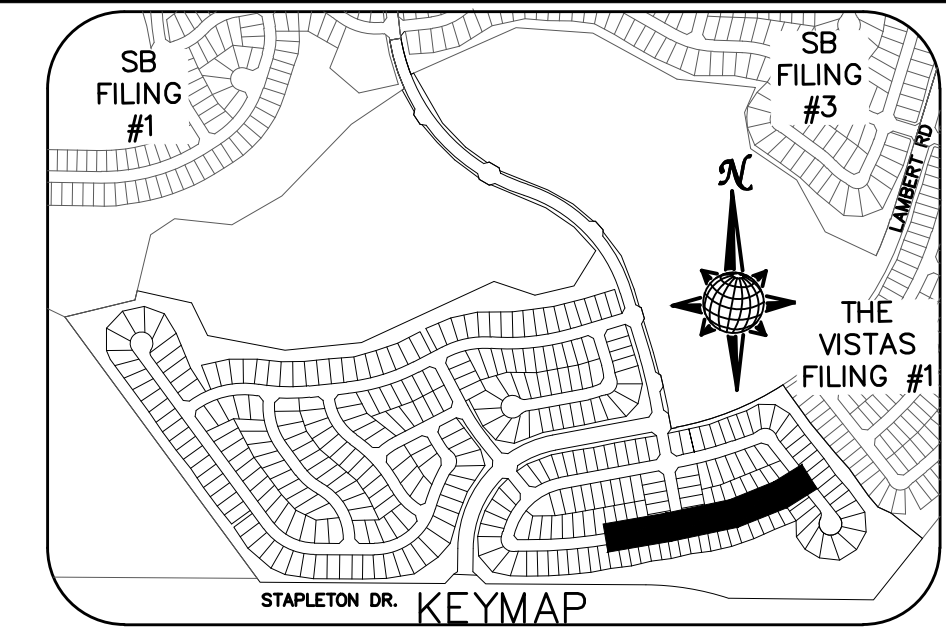


TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		No.	Revisions	Date	Appr.
 MERIDIAN RANCH		WINDING WALK FI AT MERIDIAN RANCH		Drawn by	LOG
		STREET AND UTILITY PLANS MORNING BREEZE WAY + SEWER #2		Checked by	TAK
Scale		AS SHOWN	18	of	55
		Date	MAY 2018		



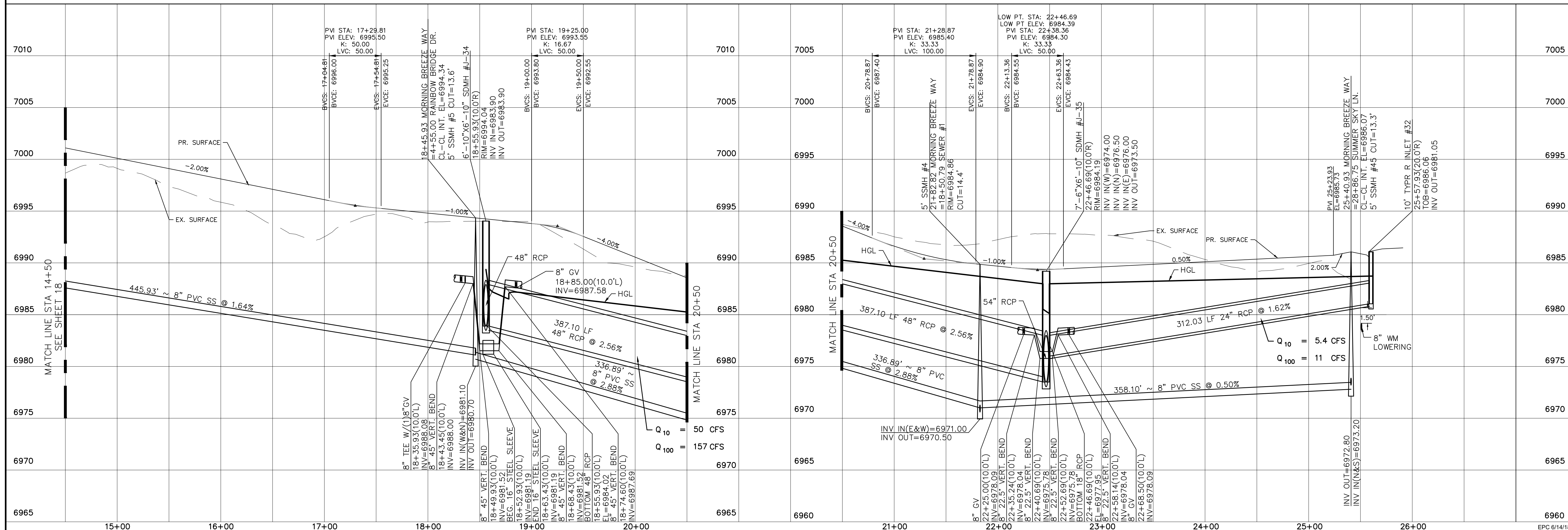
**TWO WORKING DAYS
BEFORE YOU DIG
CALL 811**

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

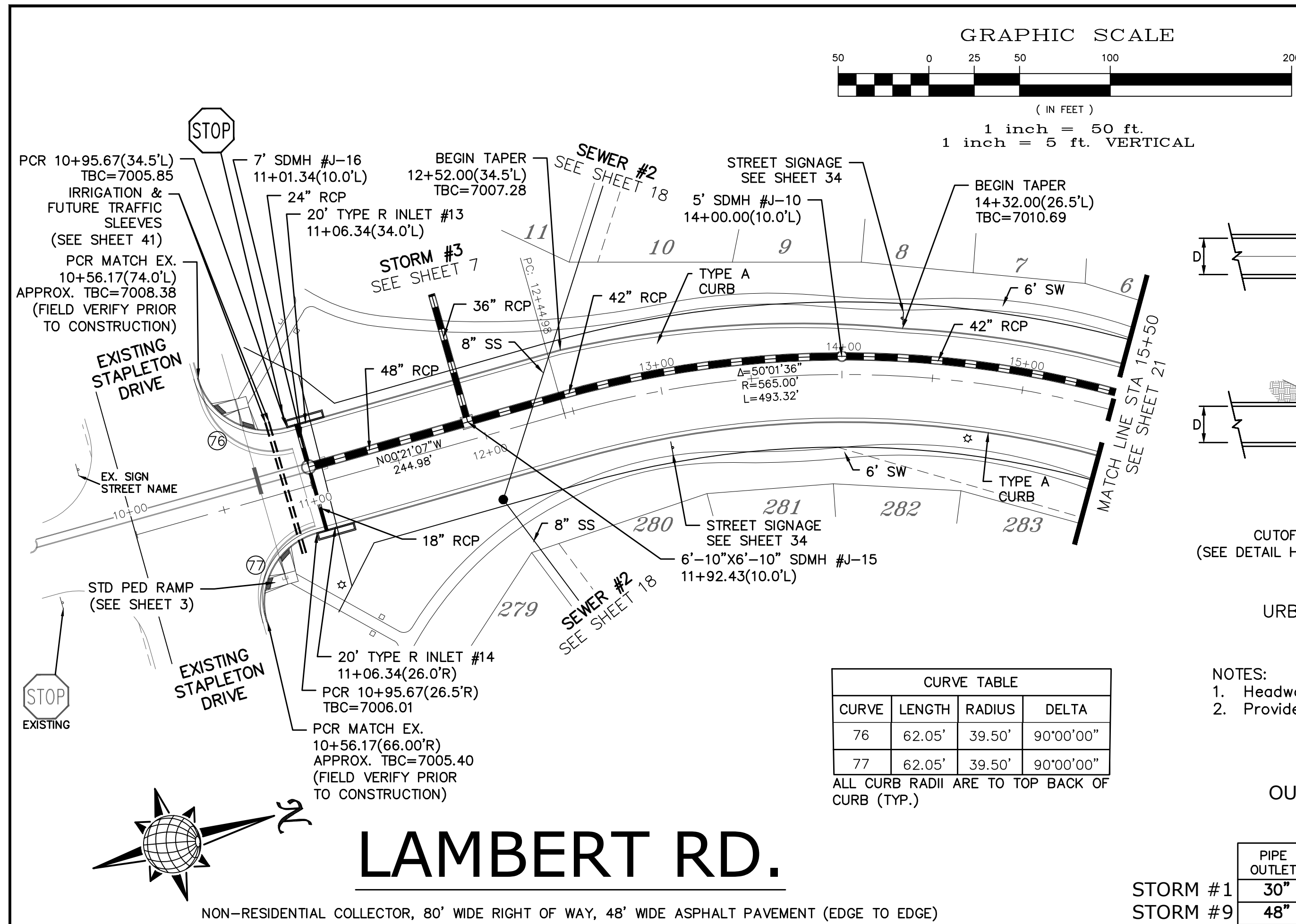


MORNING BREEZE WAY

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



Date	Appr.	Date	Revis	No.
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457				
 MERIDIAN RANCH				
WINDINGWALK FI AT MERIDIAN RANCH STREET AND UTILITY PLANS MORNING BREEZE WAY				
Scale	Drawn by	Checked by	Date	
AS SHOWN	LOG	TAK	MAY 2008	
19	of	55		
 COLORADO LICENSED PROFESSIONAL ENGINEER				



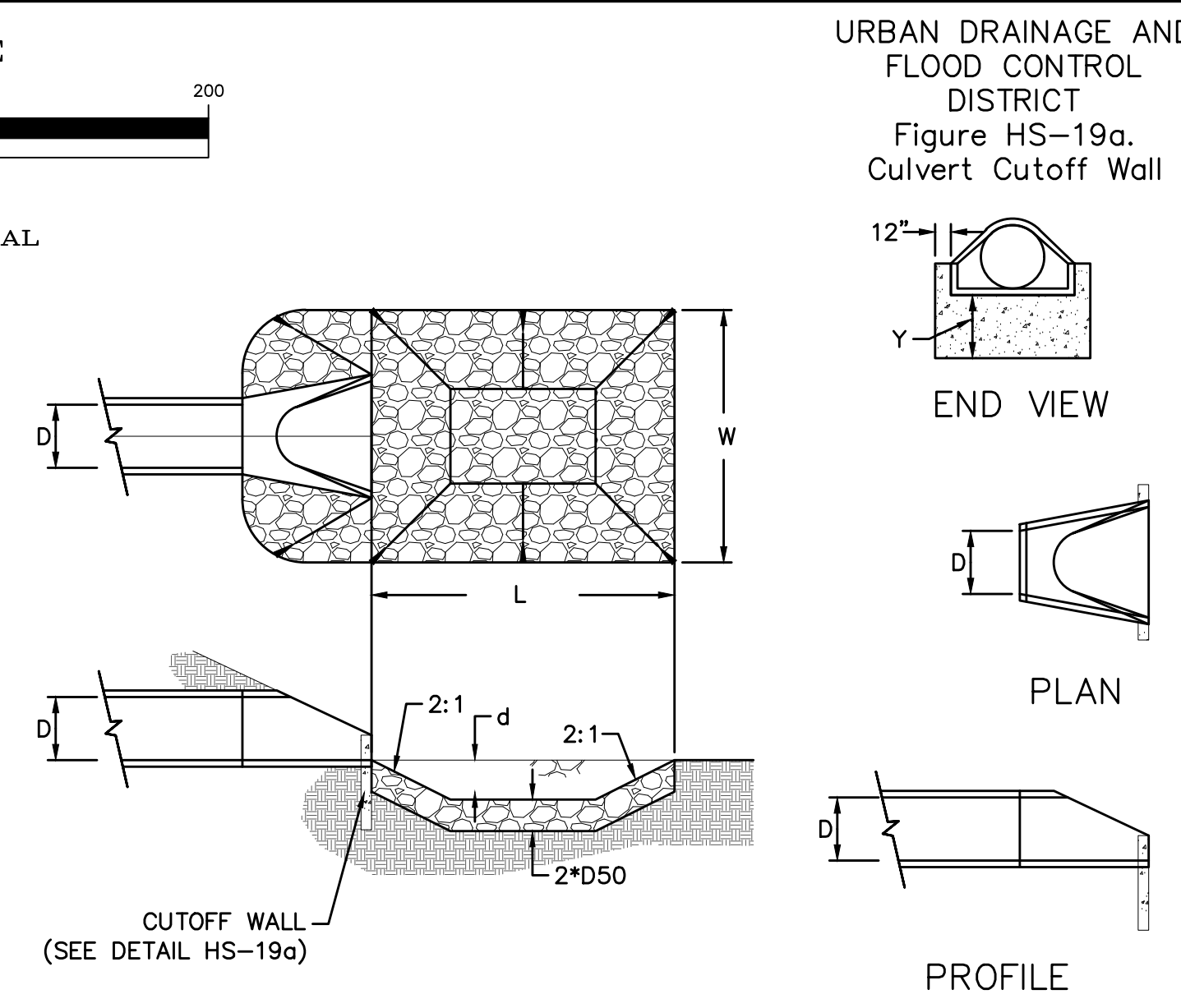
CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA
76	62.05'	39.50'	90°00'00"
77	62.05'	39.50'	90°00'00"

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

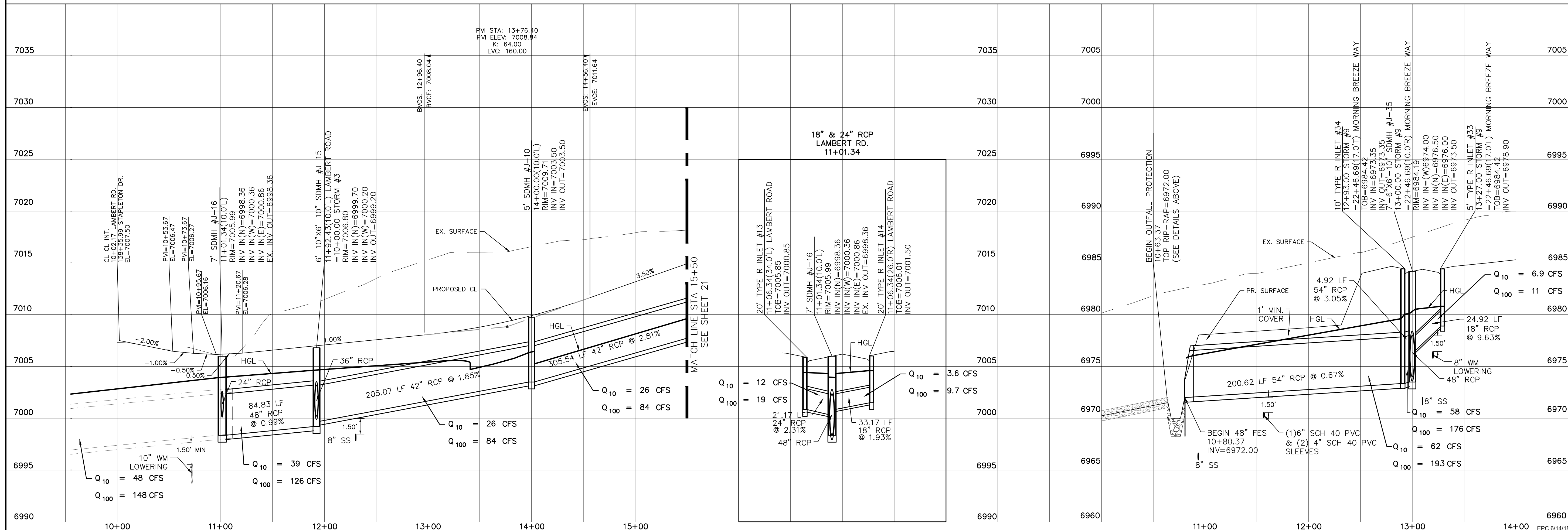
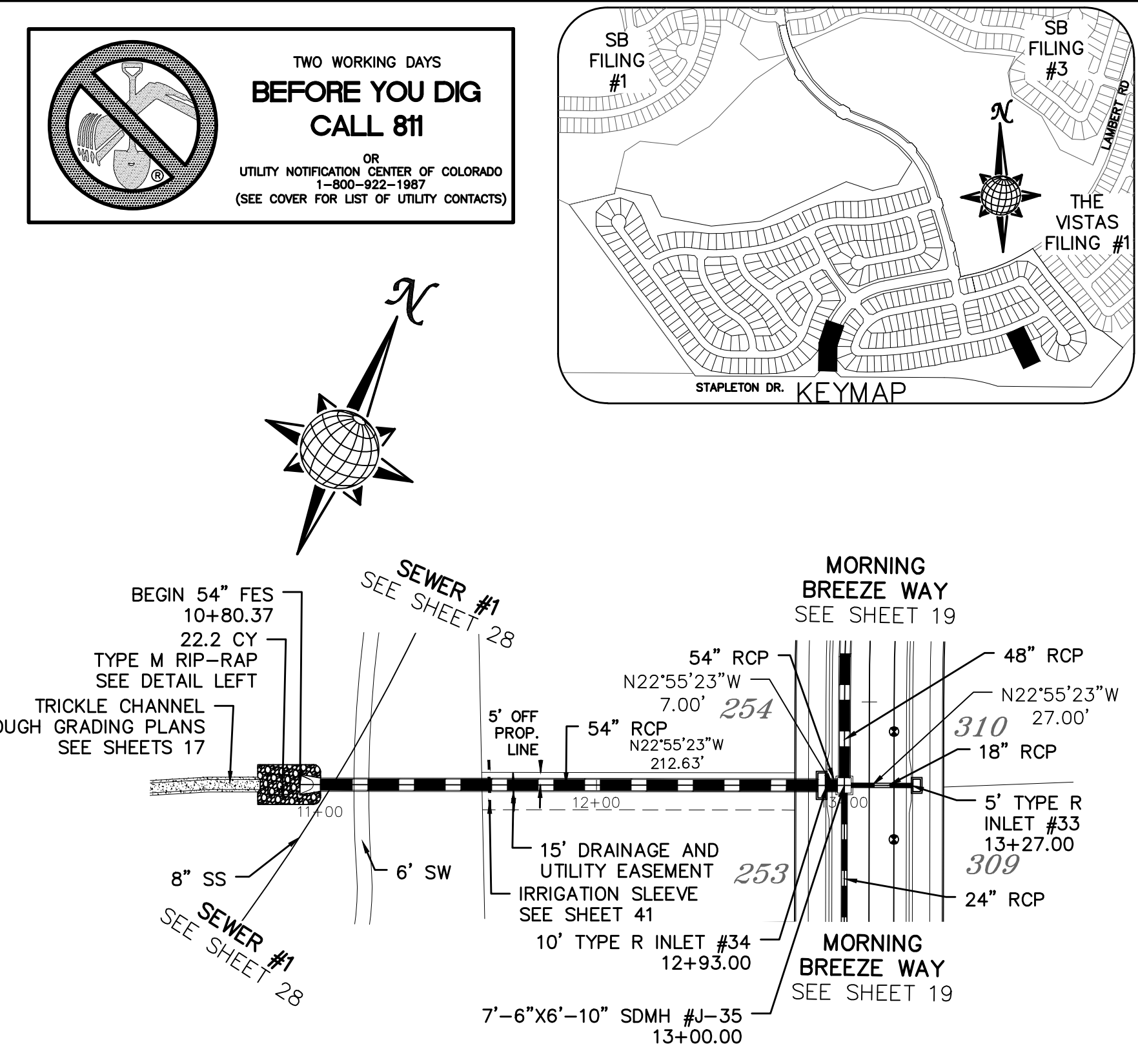
STORM #1
STORM #9

PIPE OUTLET	L	W	d	TYPE	D ₅₀	CY	Y	NOTES
30"	10.0	10.0	1.5	L	0.75'	7.3	2.6'	SEE SHEET 7
48"	17.0	16.0	2.0	M	1.0'	22.2	3.8'	SEE RIGHT



URBAN DRAINAGE AND FLOOD CONTROL DISTRICT (MODIFIED*)
Figure HS-19. Culvert and Outlet Erosion Protection
*RIP RAP RECTANGULAR POOL

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



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

MERIDIAN RANCH

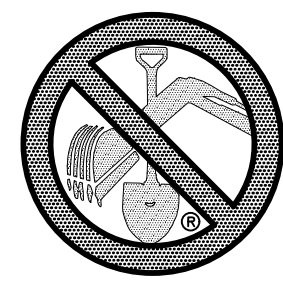
WINDINGWALK FI AT MERIDIAN RANCH
STREET AND UTILITY PLANS
LAMBERT RD.
+ STORM #9

Drawn by: **LOG**
Checked by: **TAK**
Date: **MAY 2008**

Scale: **AS SHOWN**
20 of 55

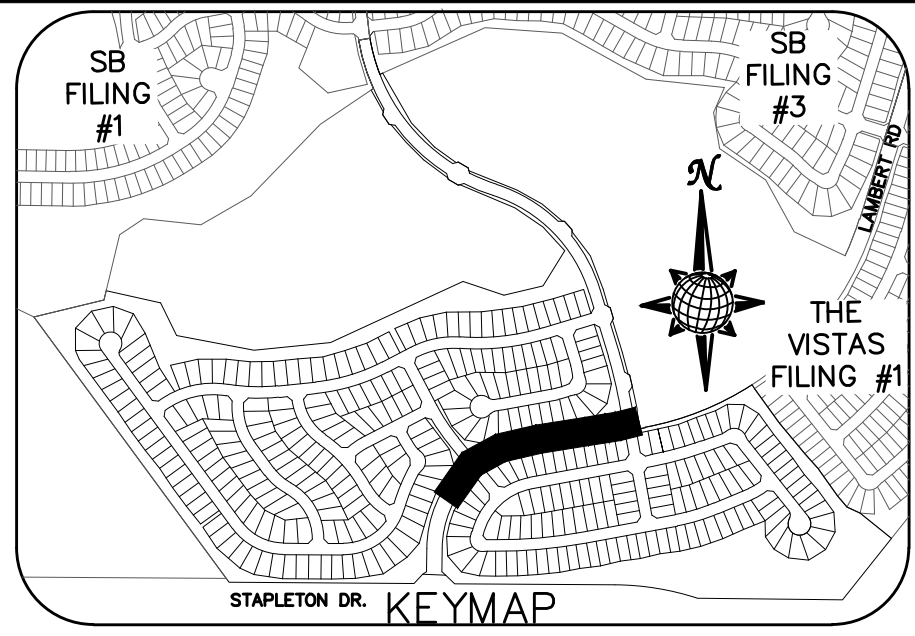
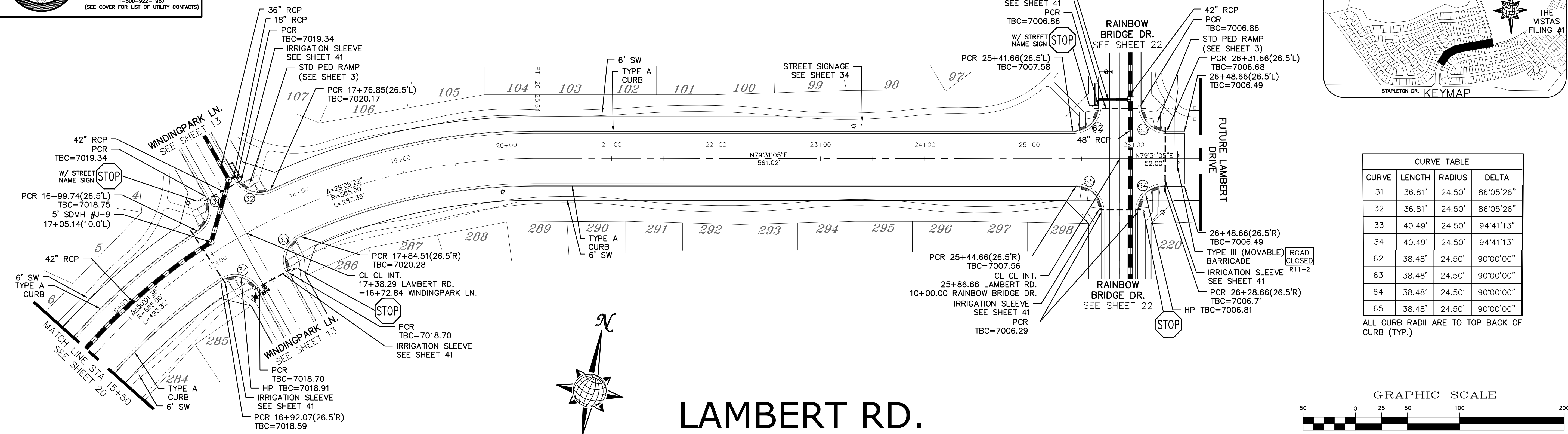
COLOrado LICENSED PROFESSIONAL ENGINEER
31429
10/9

PCD PROJECT NO. SF-18-002



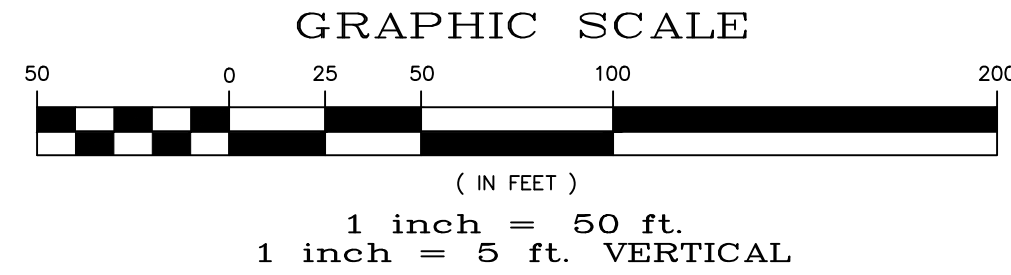
TWO WORKING DAYS
BEFORE YOU DIG
CALL 811

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



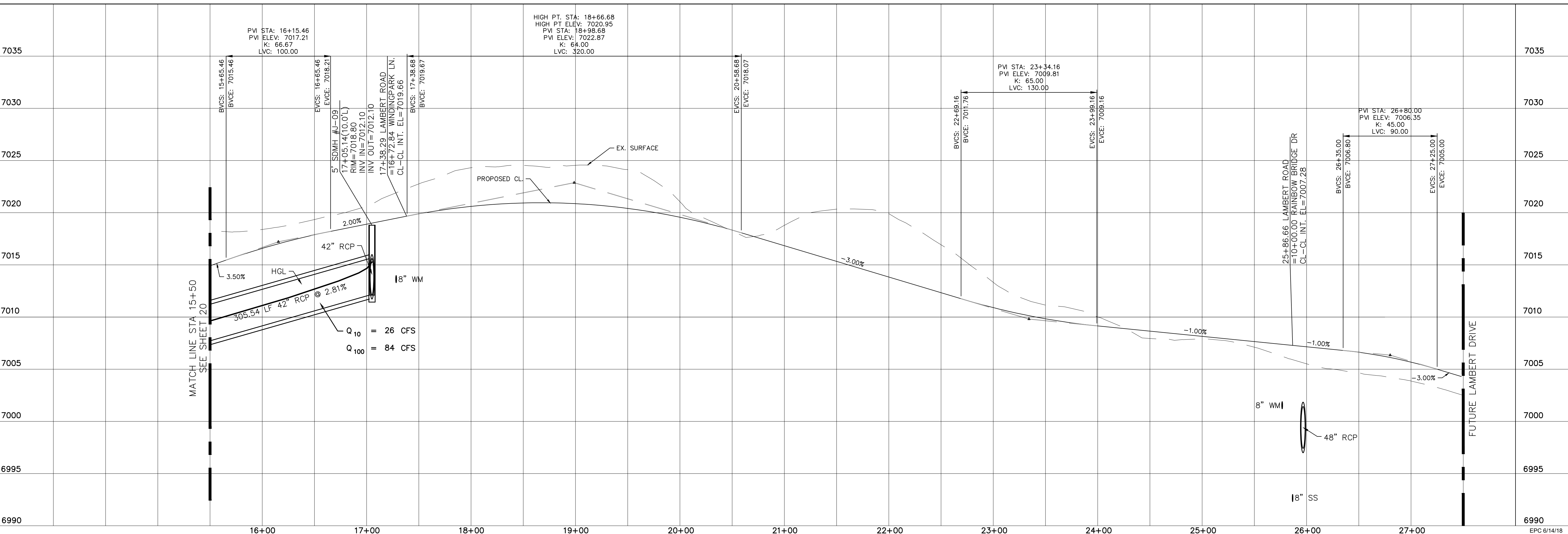
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
31	36.81'	24.50'	86°05'26"
32	36.81'	24.50'	86°05'26"
33	40.49'	24.50'	94°41'13"
34	40.49'	24.50'	94°41'13"
62	38.48'	24.50'	90°00'00"
63	38.48'	24.50'	90°00'00"
64	38.48'	24.50'	90°00'00"
65	38.48'	24.50'	90°00'00"

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



LAMBERT RD.

NON-RESIDENTIAL COLLECTOR, 80' WIDE RIGHT OF WAY, 48' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)

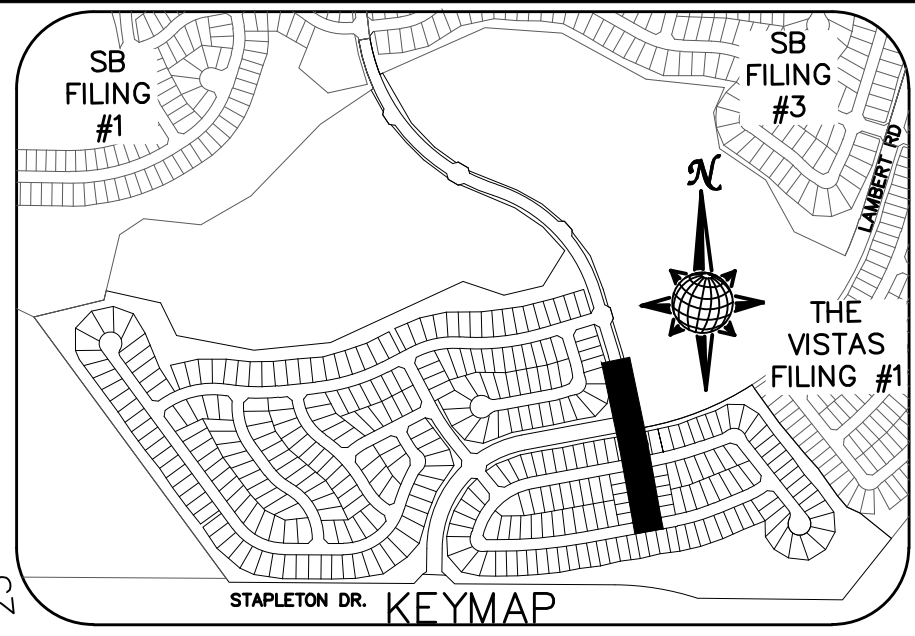


SB FILING #1	SB FILING #3	THE VISTAS FILING #1
STAPLETON DR. KEYMAP		
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		
MERIDIAN RANCH		
WINDINGWALK FI AT MERIDIAN RANCH STREET AND UTILITY PLANS LAMBERT RD.		
Scale	AS SHOWN	21 of 55
Drawn by	LOG	Checked by
		TAK
Date		MAY 2018
EPC 6/14/18		



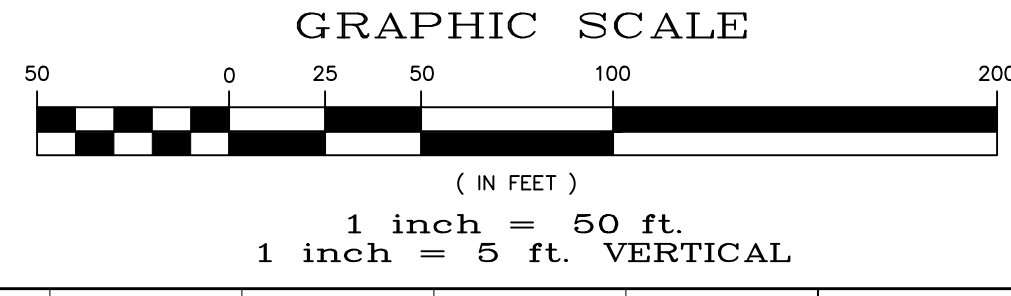
**TWO WORKING DAYS
BEFORE YOU DIG
CALL 811**

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



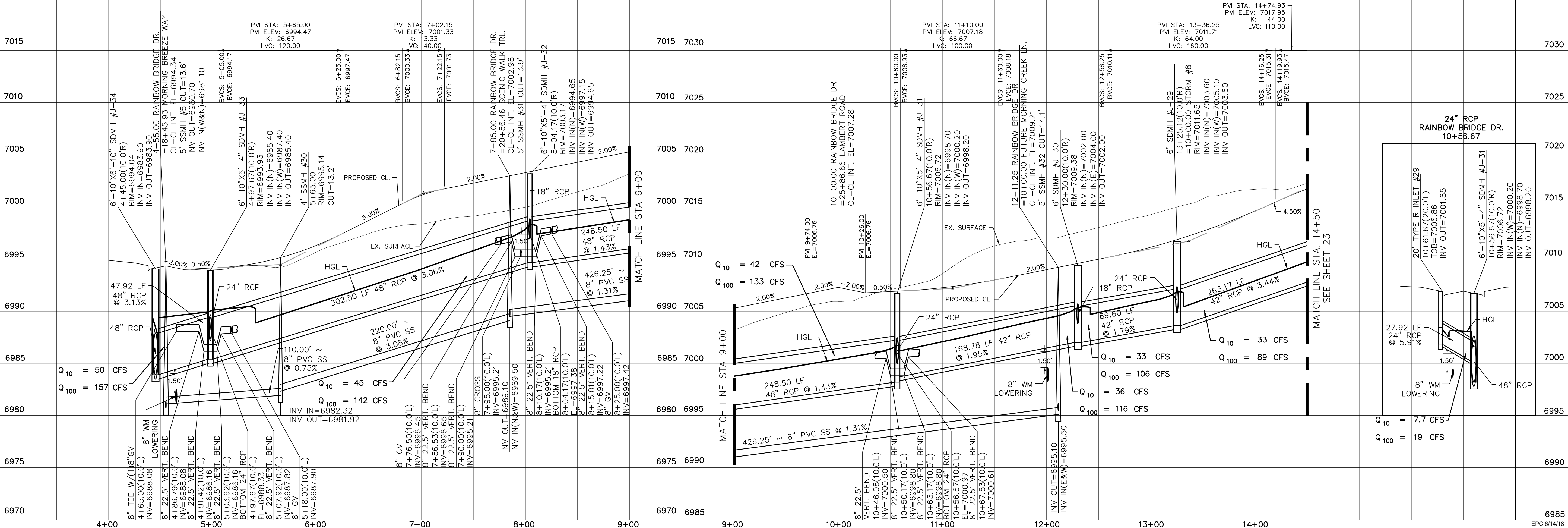
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
48	30.63'	19.50'	90°00'00"
49	30.63'	19.50'	90°00'00"
50	30.63'	19.50'	90°00'00"
51	30.63'	19.50'	90°00'00"
60	30.63'	19.50'	90°00'00"
61	30.63'	19.50'	90°00'00"
62	38.48'	24.50'	90°00'00"
63	38.48'	24.50'	90°00'00"
64	38.48'	24.50'	90°00'00"
65	38.48'	24.50'	90°00'00"
66	37.98'	24.50'	88°49'23"
67	37.98'	24.50'	88°49'23"

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



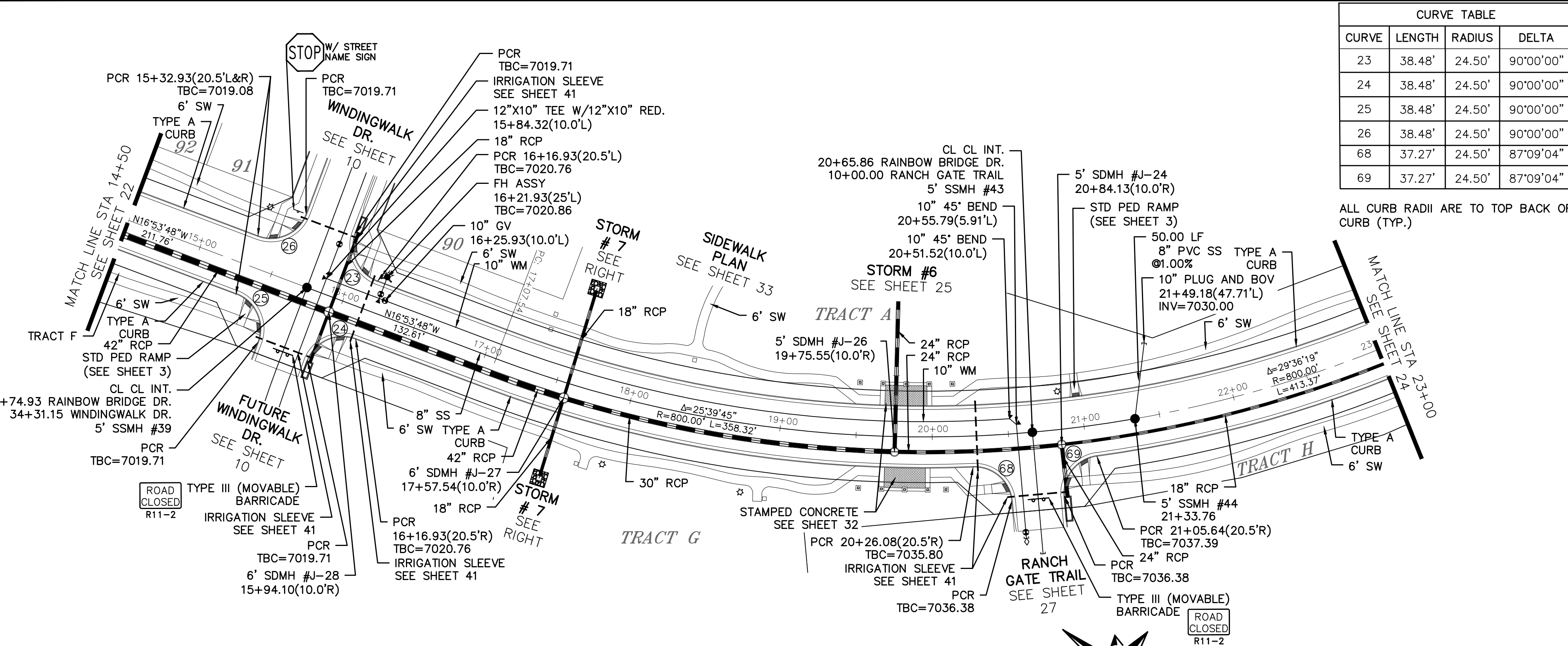
RAINBOW BRIDGE DR.

URBAN LOCAL TO STA 9+49.00, 60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)
RESIDENTIAL COLLECTOR AFTER STA 10+51.00, 60' WIDE RIGHT OF WAY, 36' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)

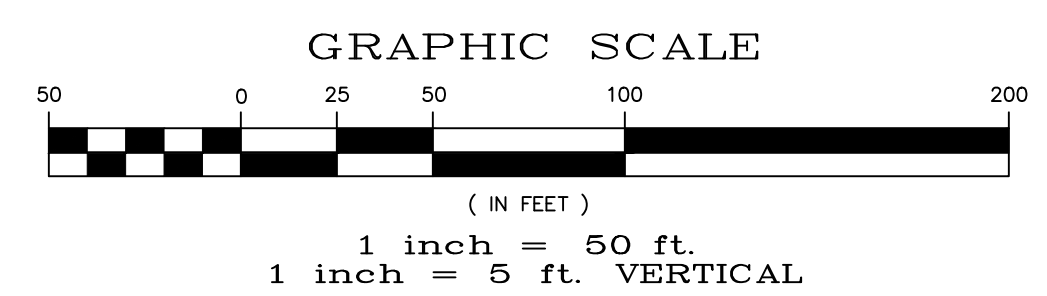
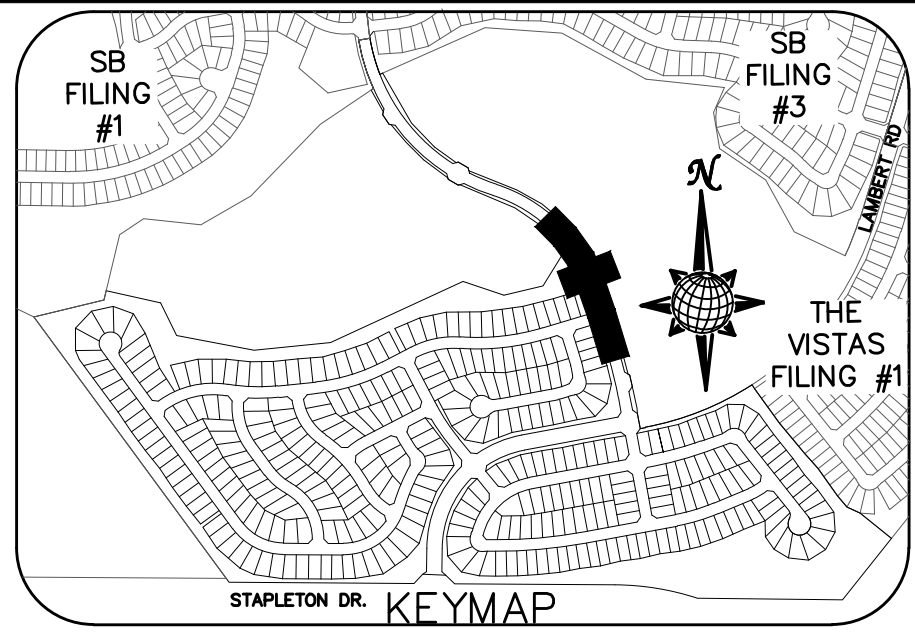


Station	Vertical Curve Data	Flow Data	Notes
7015	PVI STA: 5+65.00 PVI ELEV: 6994.47 K: 26.67 LVC: 120.00	Q ₁₀ = 8.6 CFS Q ₁₀₀ = 19 CFS	24" RCP LOWERING
7010	PVI STA: 7+02.15 PVI ELEV: 7001.33 K: 13.33 LVC: 40.00		
7005	PVI STA: 11+10.00 PVI ELEV: 7007.18 K: 66.67 LVC: 100.00		
7000	PVI STA: 13+36.25 PVI ELEV: 7011.71 K: 44.00 LVC: 150.00		
6995	PVI STA: 14+74.93 PVI ELEV: 7017.95 K: 44.00 LVC: 110.00		
6990		Q ₁₀ = 42 CFS Q ₁₀₀ = 133 CFS	
6985		Q ₁₀ = 33 CFS Q ₁₀₀ = 89 CFS	
6980		Q ₁₀ = 36 CFS Q ₁₀₀ = 116 CFS	
6975		Q ₁₀ = 7.7 CFS Q ₁₀₀ = 19 CFS	

Drawn by	LOG	Checked by	TAK	Date	MAY 2018	
Scale	AS SHOWN	22 of	55			
WINDINGWALK FI AT MERIDIAN RANCH STREET AND UTILITY PLANS RAINBOW BRIDGE DR.						
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457						
No.	Revisions				Date	Appr.



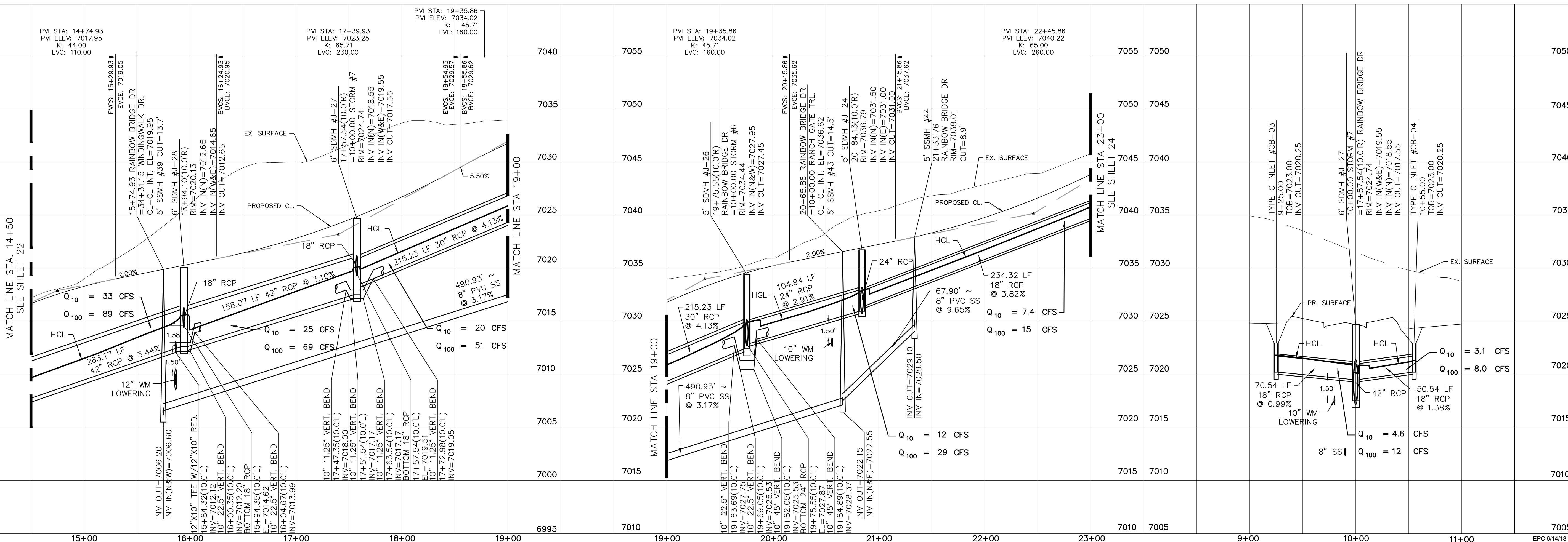
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
23	38.48'	24.50'	90°00'00"
24	38.48'	24.50'	90°00'00"
25	38.48'	24.50'	90°00'00"
26	38.48'	24.50'	90°00'00"
68	37.27'	24.50'	87°09'04"
69	37.27'	24.50'	87°09'04"



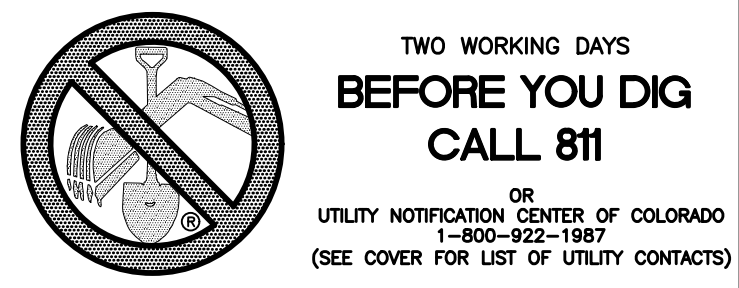
RAINBOW BRIDGE DR.

RESIDENTIAL COLLECTOR, 60' WIDE RIGHT OF WAY, 36' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)

STORM #7

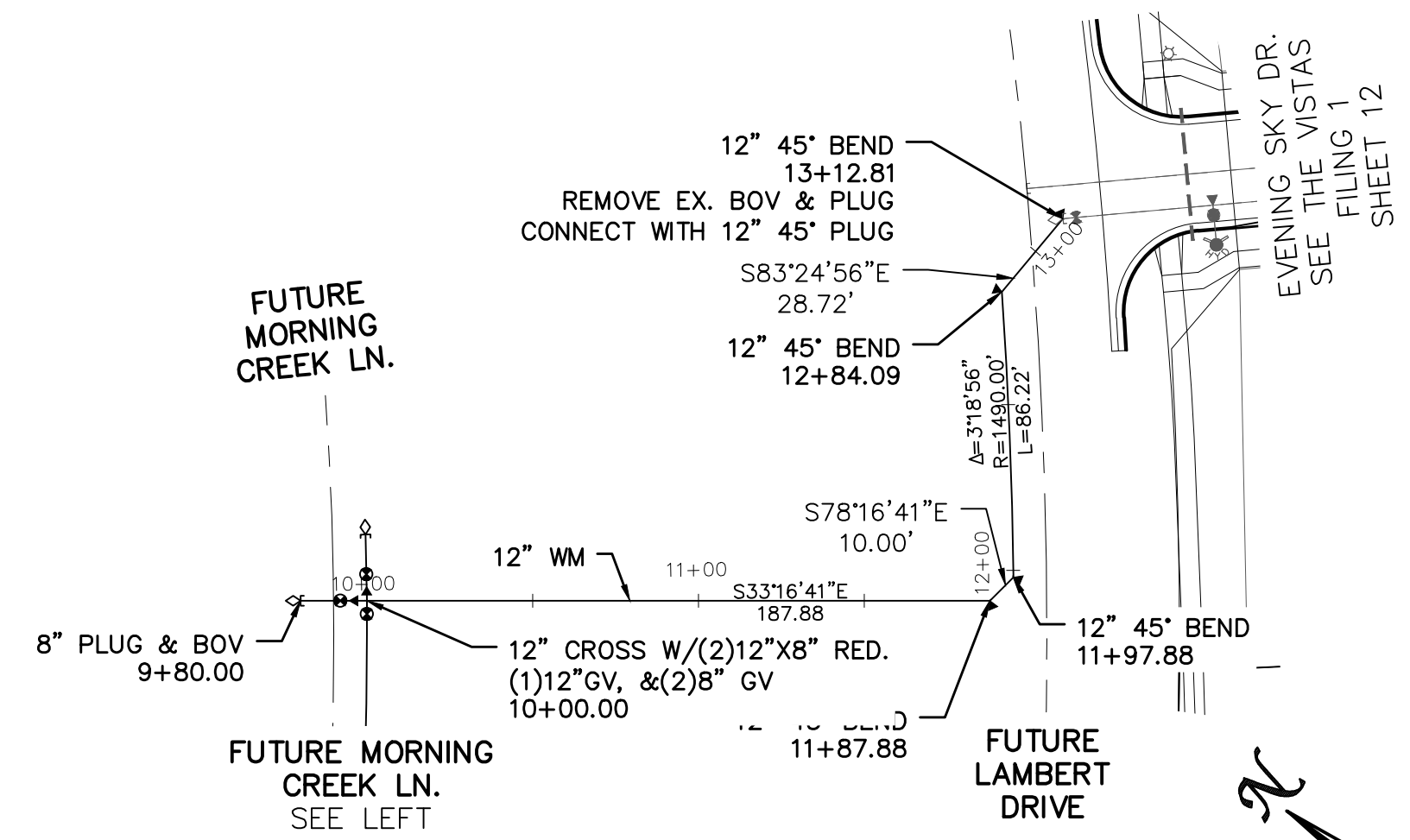
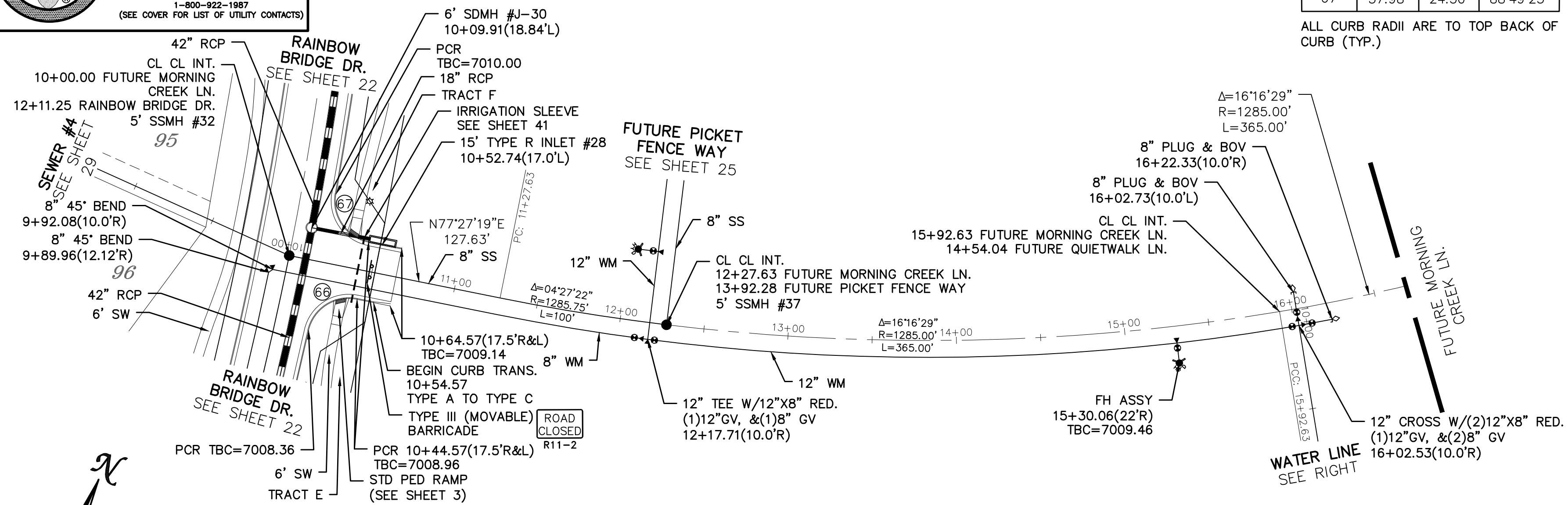
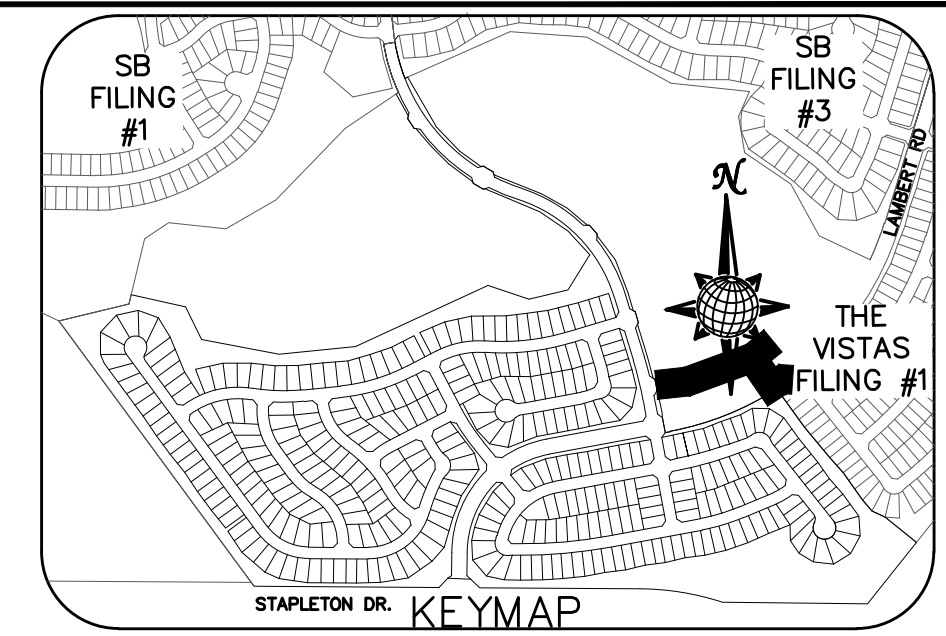
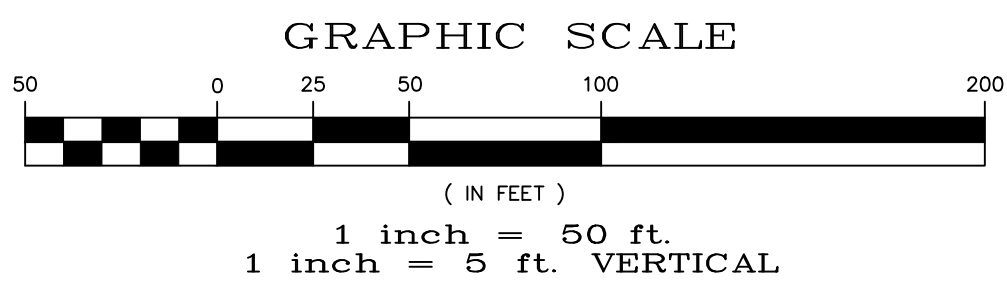


Date	Appr.	Date	Reit.	No.	Revisions
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
 MERIDIAN RANCH					
WINDINGWALK FI AT MERIDIAN RANCH STREET AND UTILITY PLANS RAINBOW BRIDGE DR. + STORM #7					
Scale	AS SHOWN	23 of 55	Drawn by	LOG	Checked by
			TAK		
			Date		
			MAY 2018		



CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
66	37.98'	24.50'	88°49'23"
67	37.98'	24.50'	88°49'23"

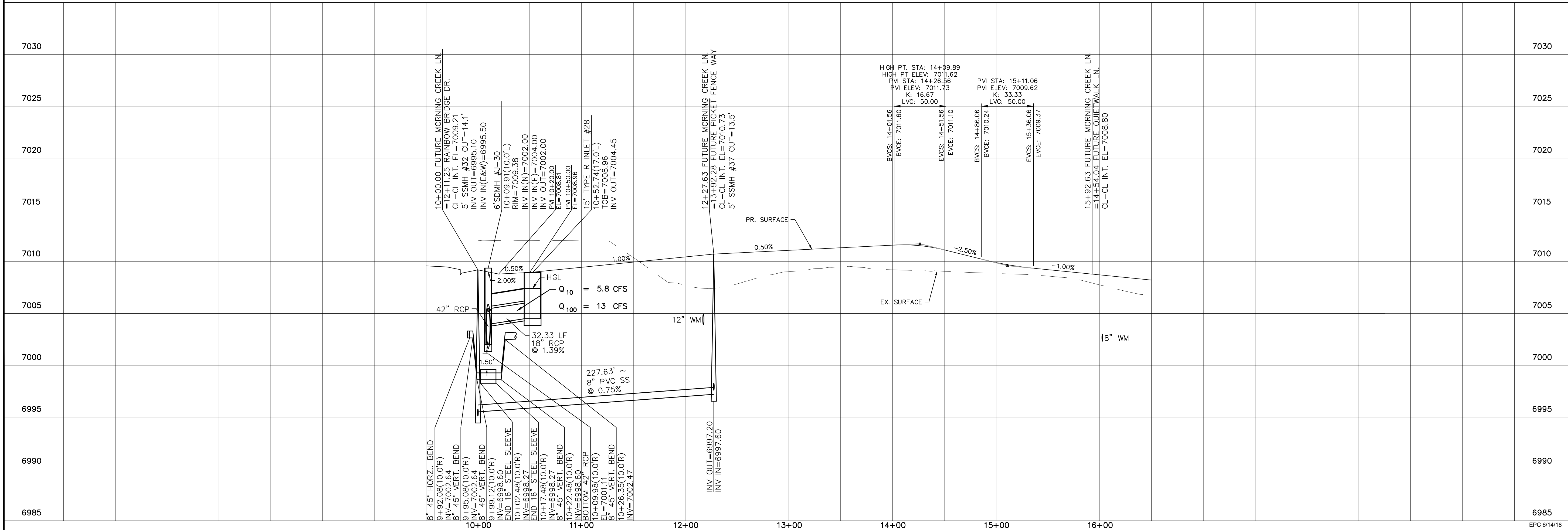
ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)



FUTURE MORNING CREEK LN.

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

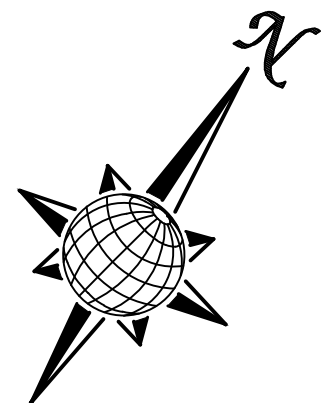
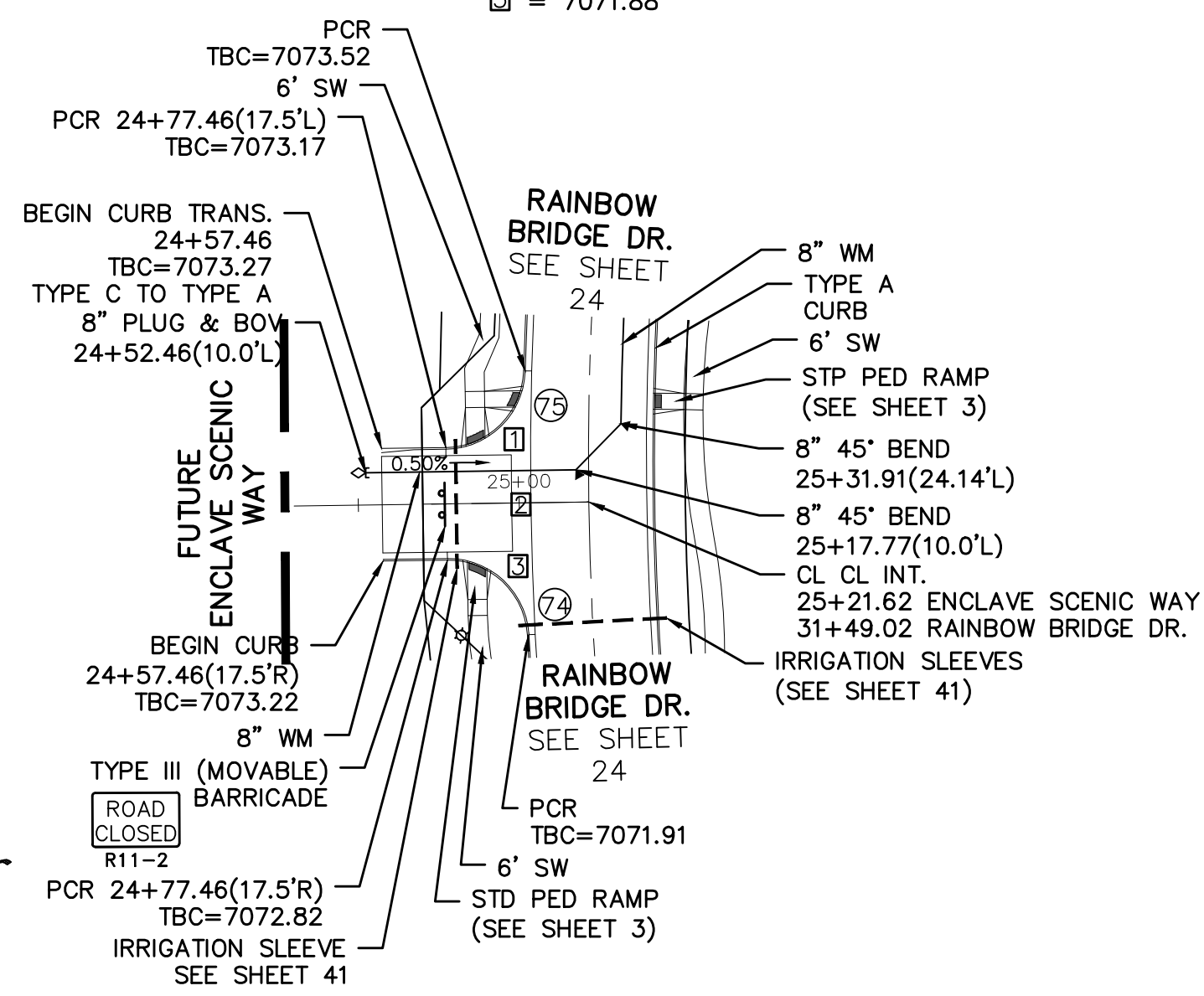
12" WATER MAIN



Date		Date		Date	
Appr.		Invt.		Date	
No.		Revisions		No.	
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
MERIDIAN RANCH					
WINDINGWALK FI AT MERIDIAN RANCH STREET AND UTILITY PLANS FUTURE MORNING CREEK LN. + 12" WATER MAIN					
Scale	AS SHOWN	Drawn by	LOG	Checked by	TAK
	26 of 55	Date	MAY 2008		

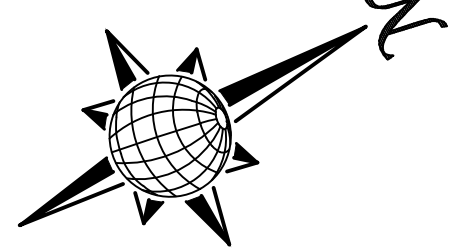
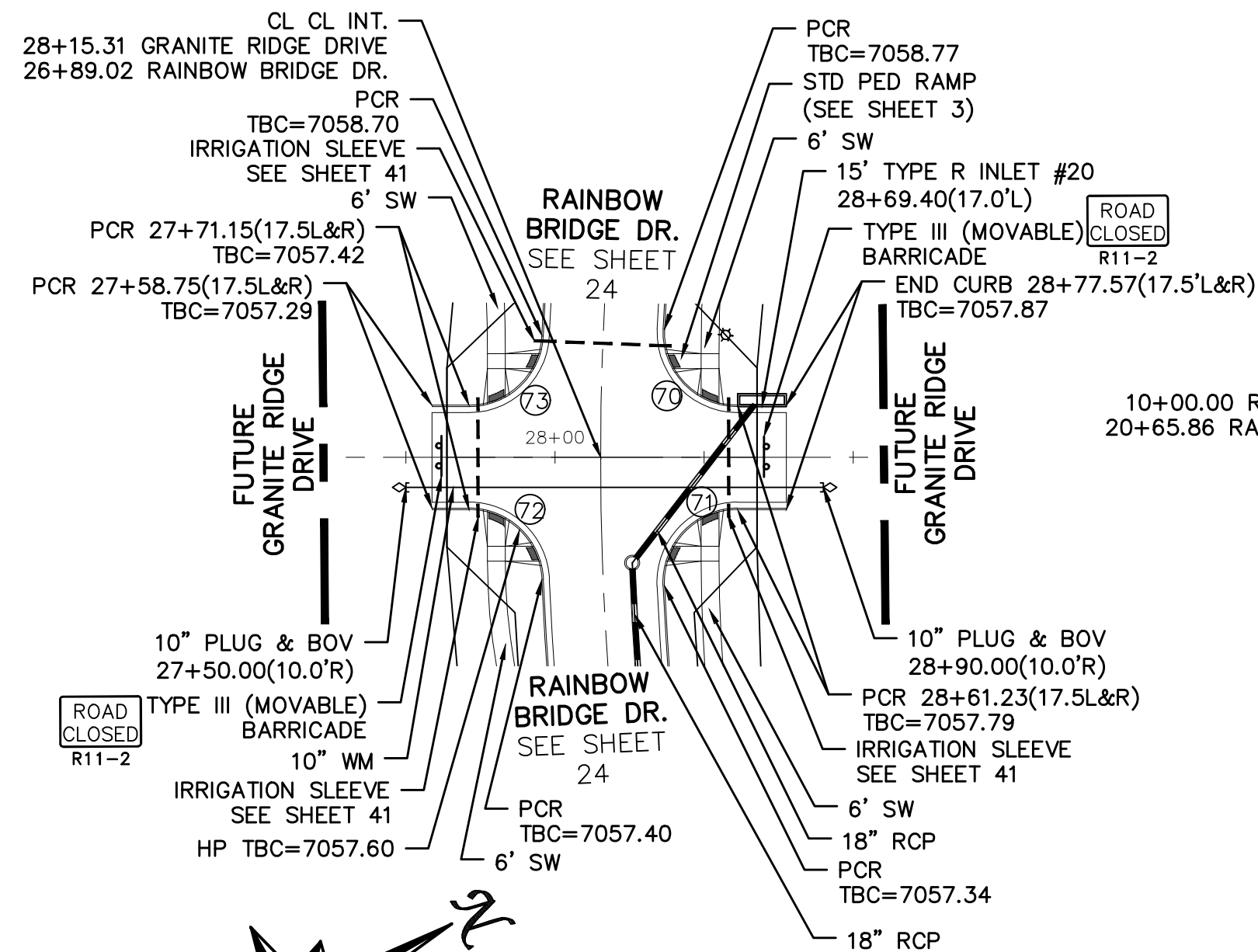
INSTALL CROSS PAN
PER COUNTY STD
SD-2-26

1 = 7072.55
2 = 7072.21
3 = 7071.88



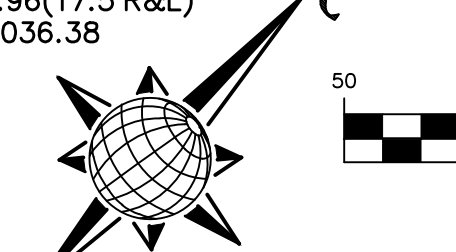
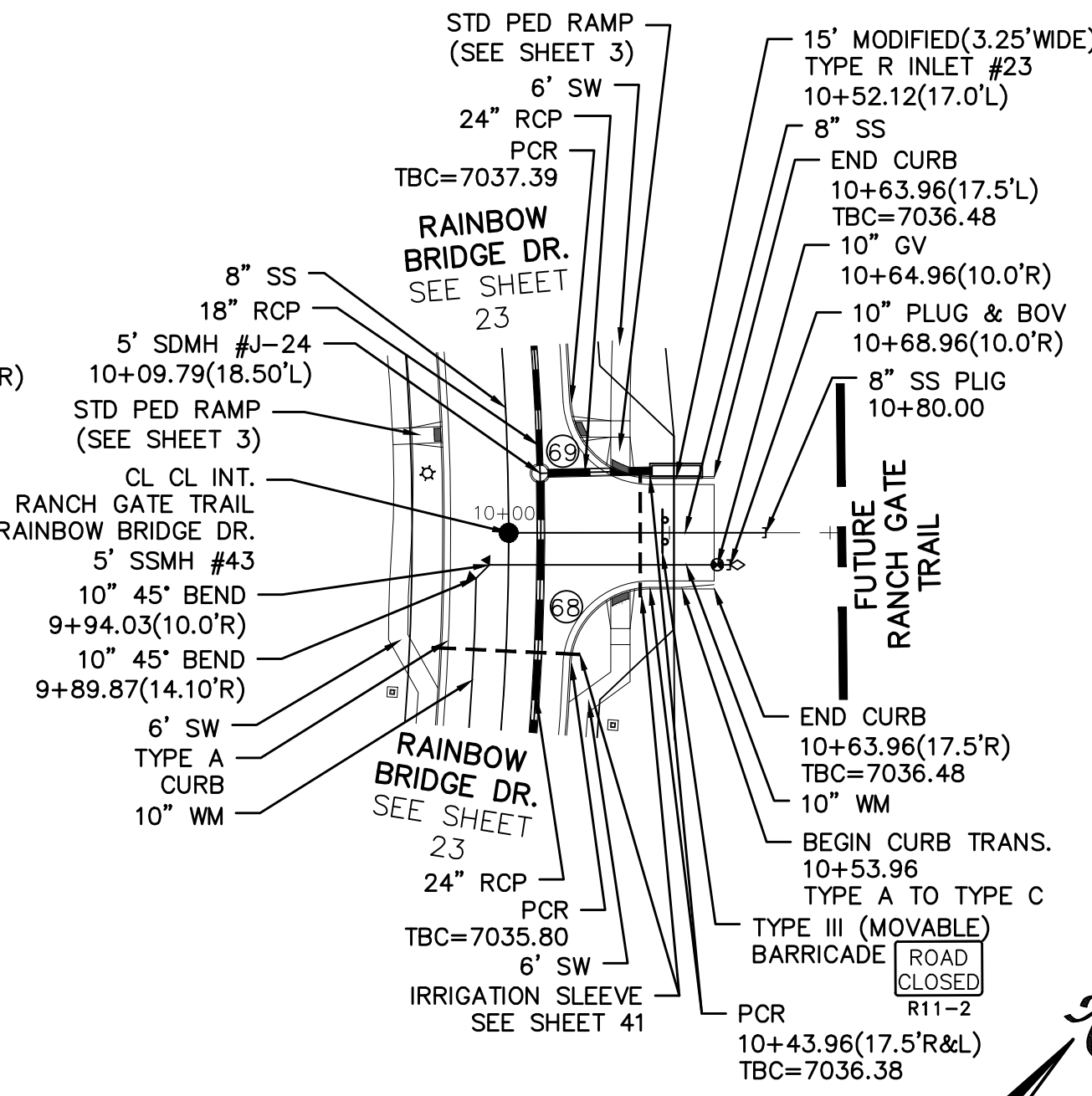
ENCLAVE SCENIC WAY

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



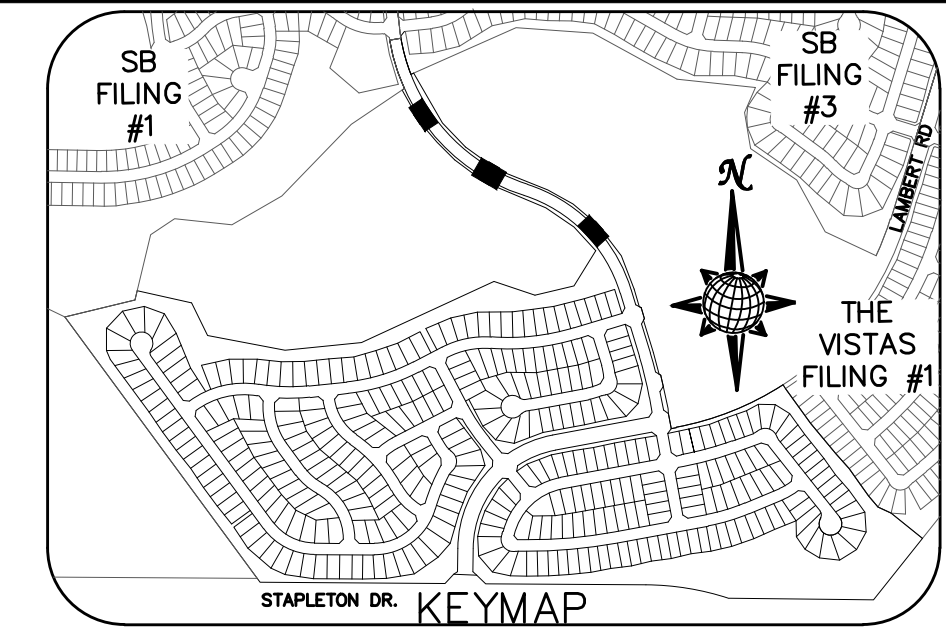
GRANITE RIDGE DR.

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



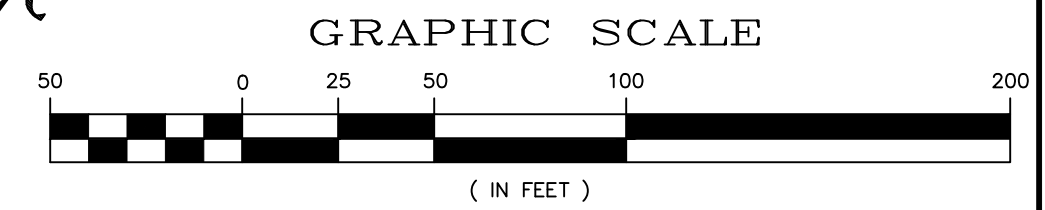
RANCH GATE TRL.

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



CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
68	37.27'	24.50'	87°09'04"
69	37.27'	24.50'	87°09'04"
70	39.56'	24.50'	92°31'14"
71	39.56'	24.50'	92°31'14"
72	37.50'	24.50'	87°41'48"
73	37.50'	24.50'	87°41'48"
74	37.50'	24.50'	87°41'48"
75	37.50'	24.50'	87°41'48"

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



1 inch = 50 ft.
1 inch = 5 ft. VERTICAL

NO DIGGING

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

OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-822-1887
(SEE COVER FOR LIST OF UTILITY CONTACTS)

No.	Revisions	Date	Appr.	Date

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



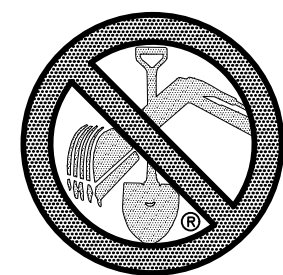
WINDINGWALK FI AT MERIDIAN RANCH
STREET AND UTILITY PLANS
RAINBOW BRIDGE INTERSECTIONS

Drawn by
Checked by
Date

Scale
AS SHOWN
27 of 55



Station	Profile	Notes	Station	Profile	Notes
7100	7100		7075	7075	
7095	7095		7070	7070	
7090	7090		7065	7065	
7085	7085		7060	7060	
7080	7080		7055	7055	
7075	7075		7050	7050	
7070	7070		7045	7045	
7065	7065		7040	7040	
7060	7060		7035	7035	
7055	7055		7030	7030	
			7025	7025	
			7020	7020	
			7015	7015	
			7010	7010	



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

EASTONVILLE RD

EX. 15" SS

5' SSMH #1
10+00.00

8" SS

12+00

13+00

14+00

15+00

16+00

17+00

18+00

19+00

20+00

21+00

22+00

23+00

24+00

25+00

26+00

27+00

28+00

29+00

30+00

31+00

32+00

33+00

34+00

35+00

36+00

37+00

38+00

39+00

40+00

41+00

42+00

43+00

44+00

45+00

46+00

47+00

48+00

49+00

50+00

51+00

52+00

53+00

54+00

55+00

56+00

57+00

58+00

59+00

60+00

61+00

62+00

63+00

64+00

65+00

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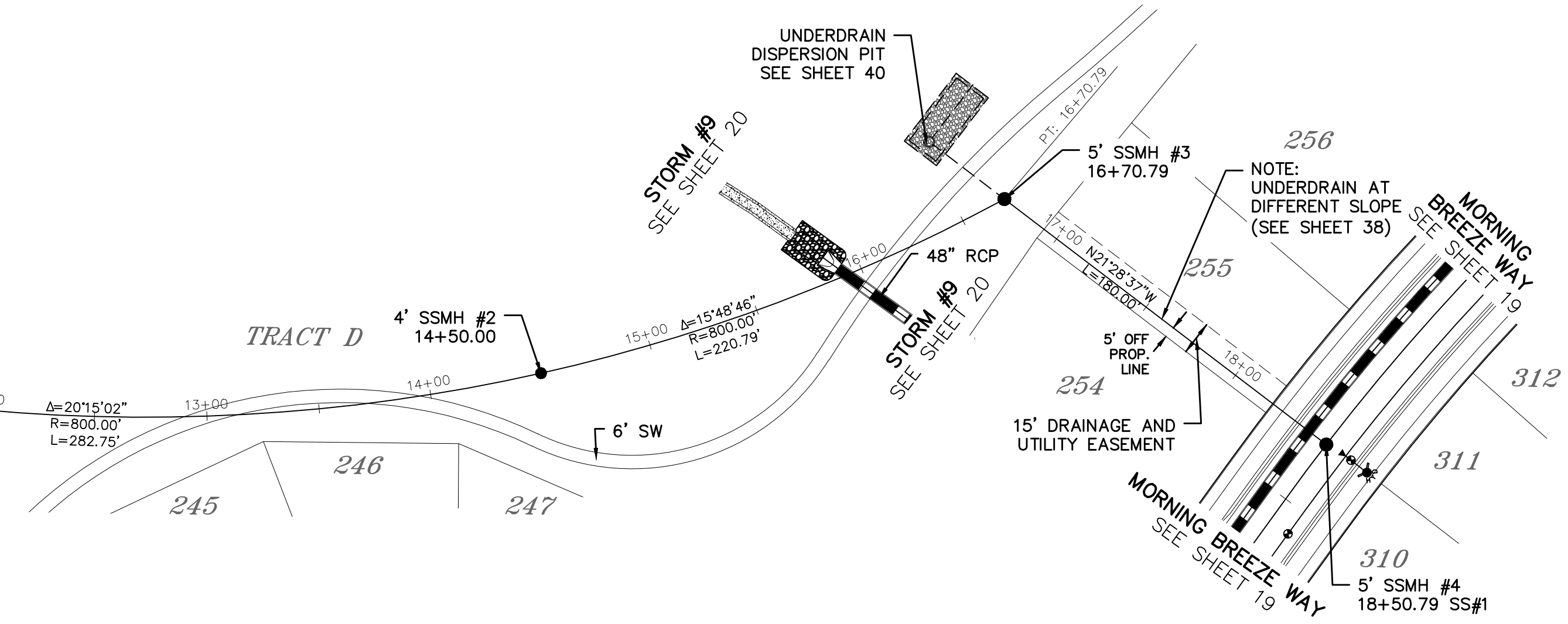
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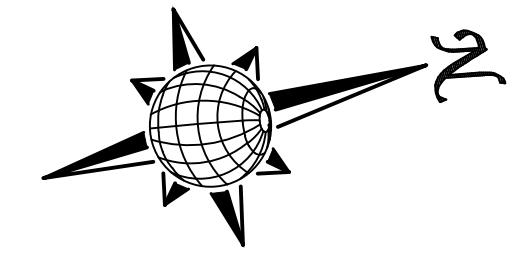
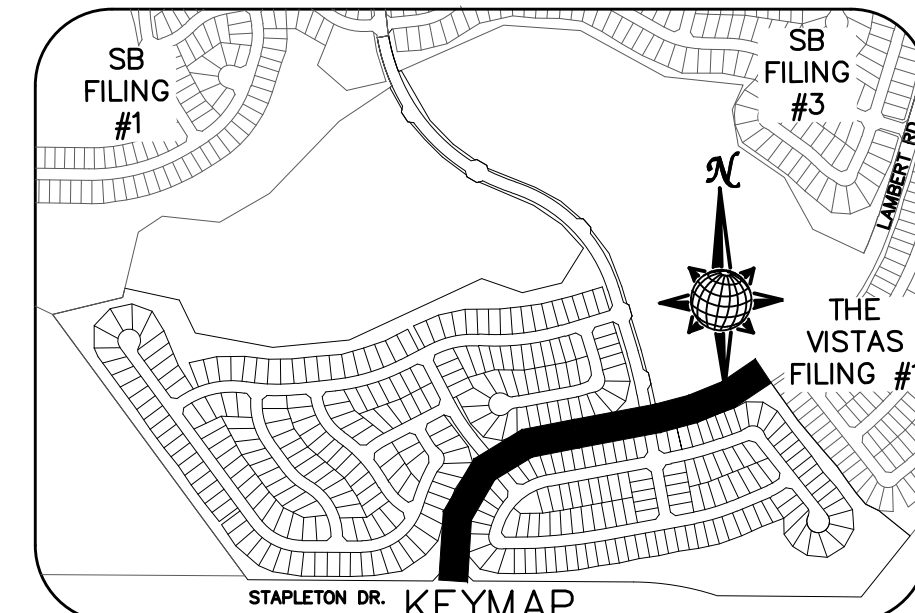
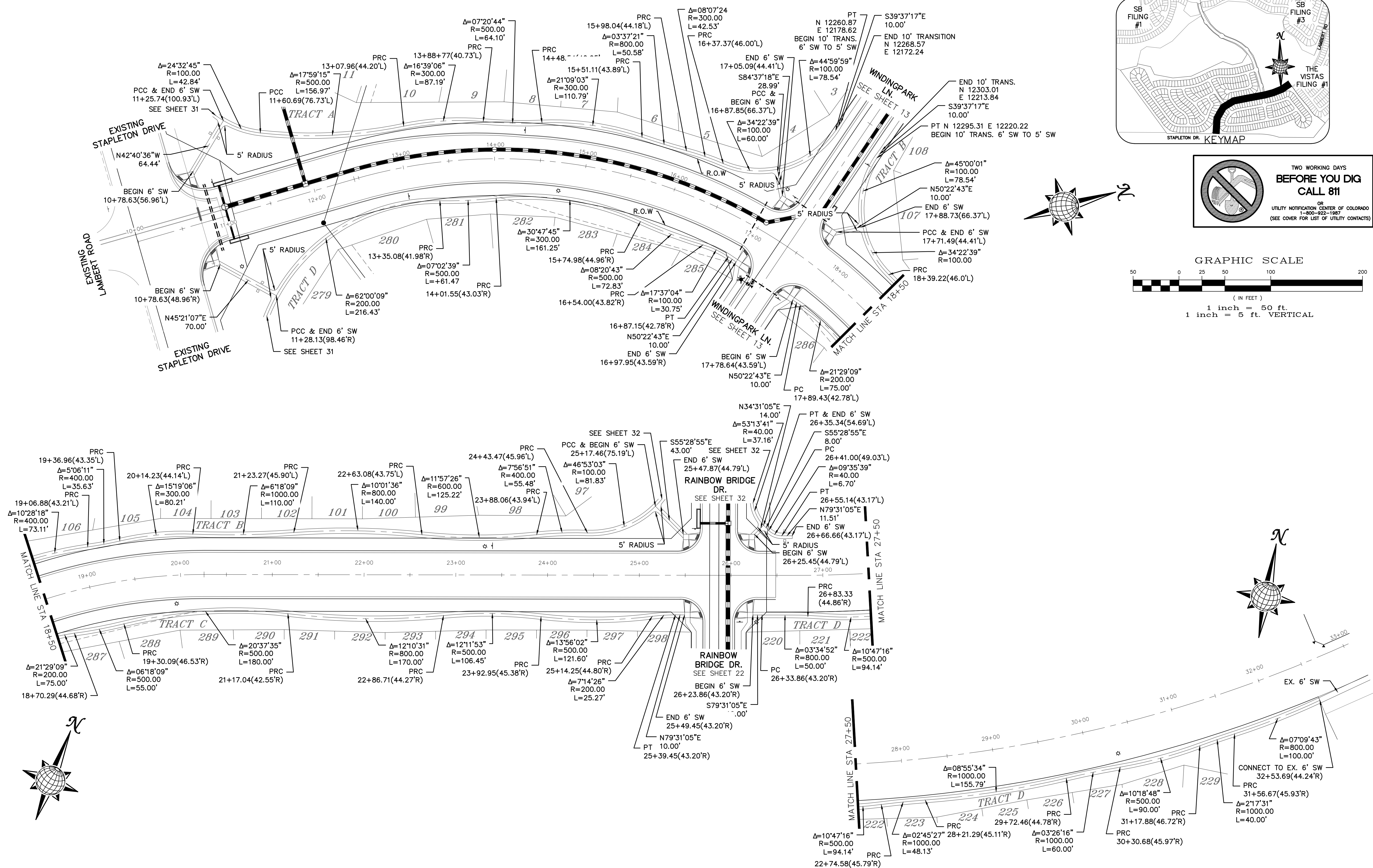
NuSTAR PETROLEUM MAIN
CALL: 1-800-866-9060 PRIOR TO
CONSTRUCTION
VERIFY LOCATION PRIOR TO START OF
CONSTRUCTION



SEWER #1

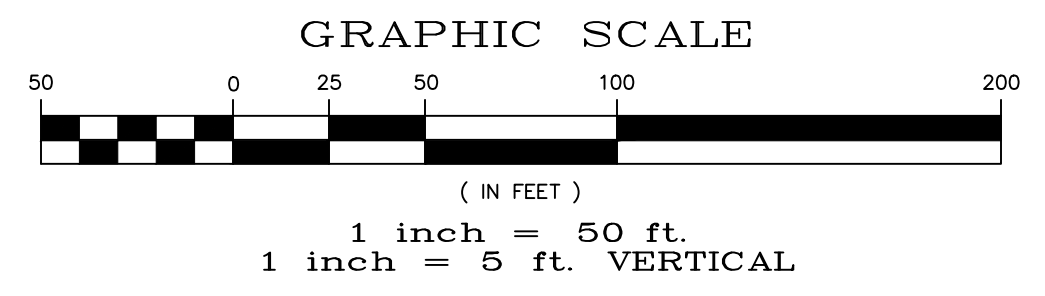


LAMBERT RD. 6' SIDEWALK PLAN



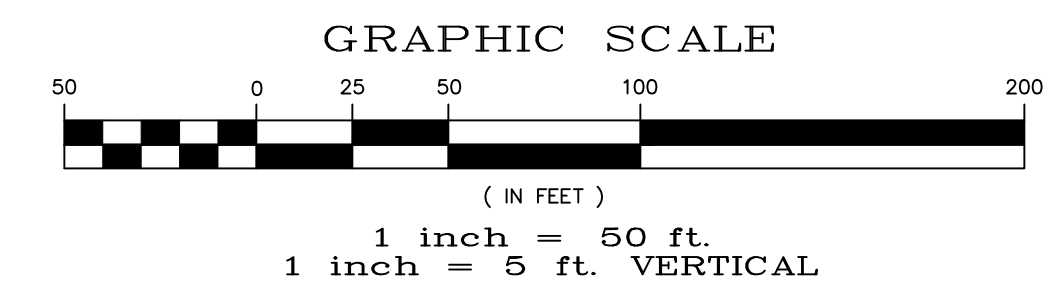
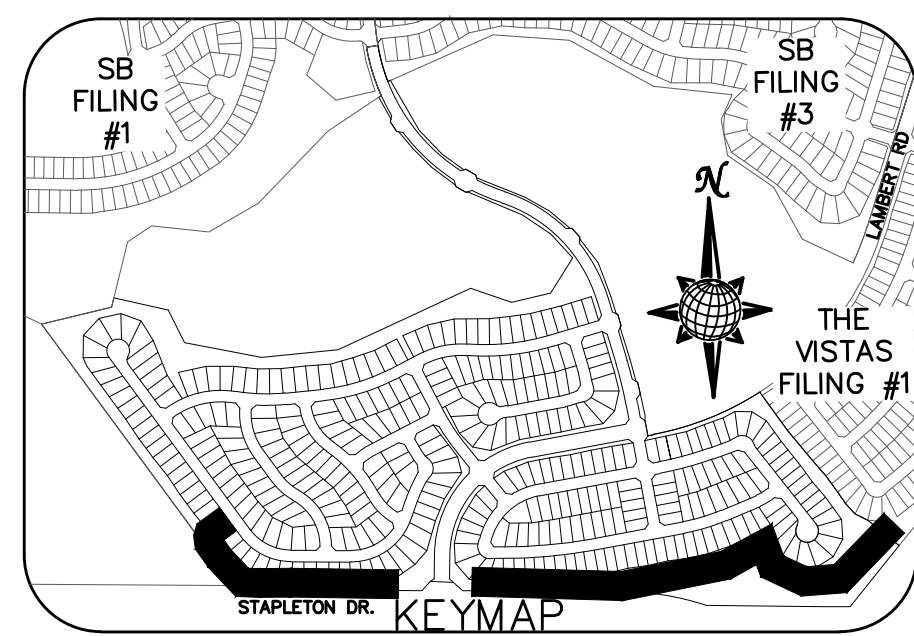
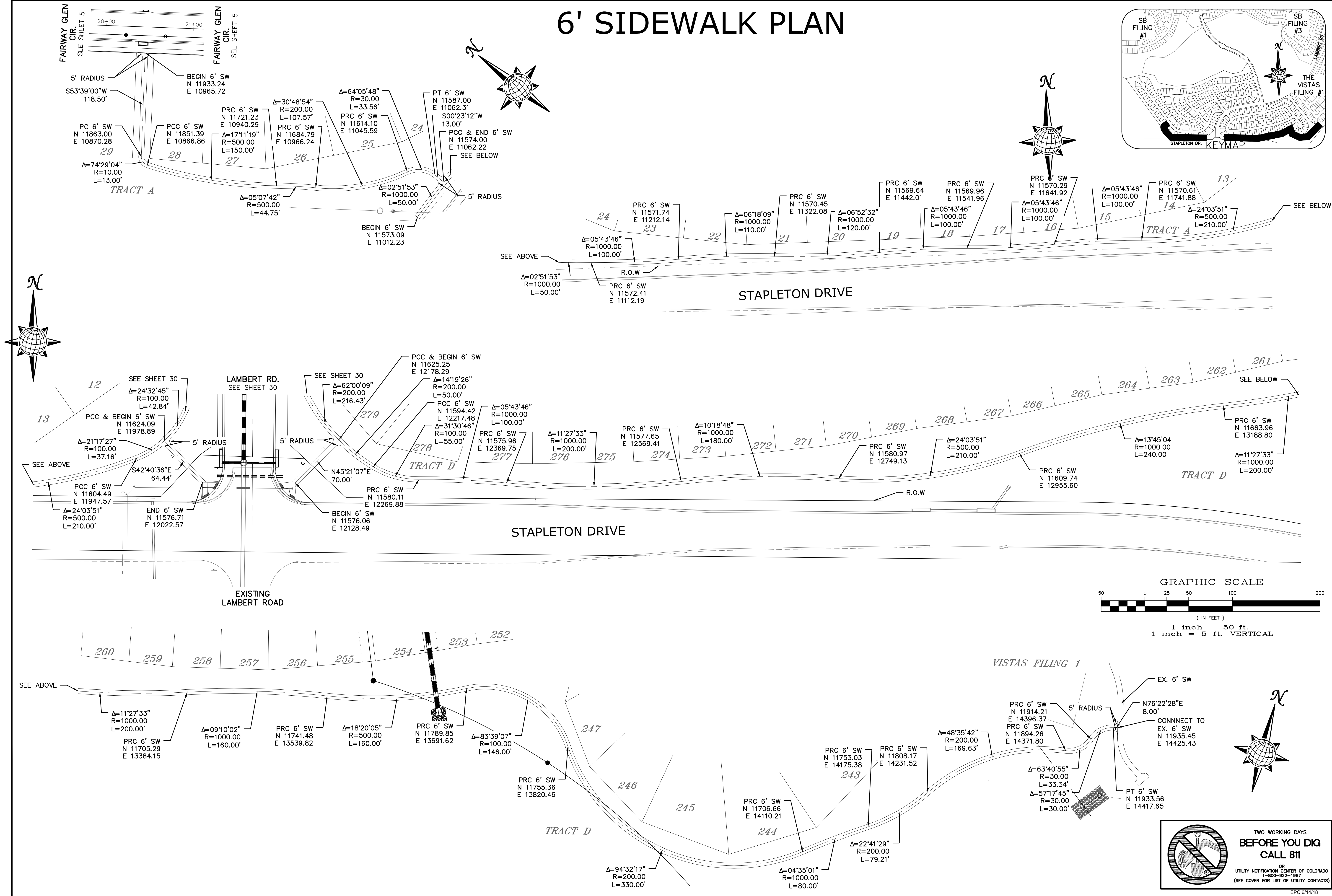
**TWO WORKING DAYS
BEFORE YOU DIG
CALL 811**

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



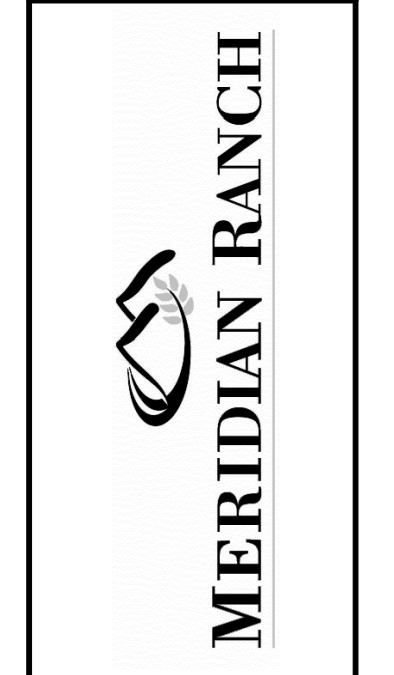
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Scale	AS SHOWN	30 of	55		
WINDINGPARK FI AT MERIDIAN RANCH STREET AND UTILITY PLANS SIDEWALK PLAN					
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
No.	Revisions	Date	Appr.	Date	

6' SIDEWALK PLAN



No.	Revisions	Date	Init.	Appr.

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

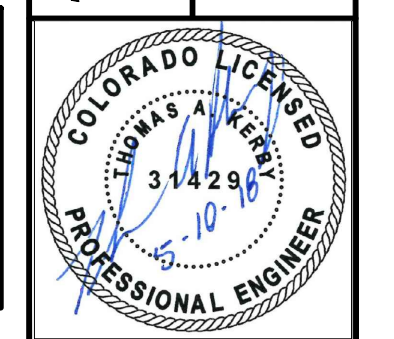


WINDINGWALK FI AT MERIDIAN RANCH
 STREET AND UTILITY PLANS
 SIDEWALK PLAN

Drawn by	Checked by	Date
LOG	TAK	MAY 2008

Scale AS SHOWN 31 of 55

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)

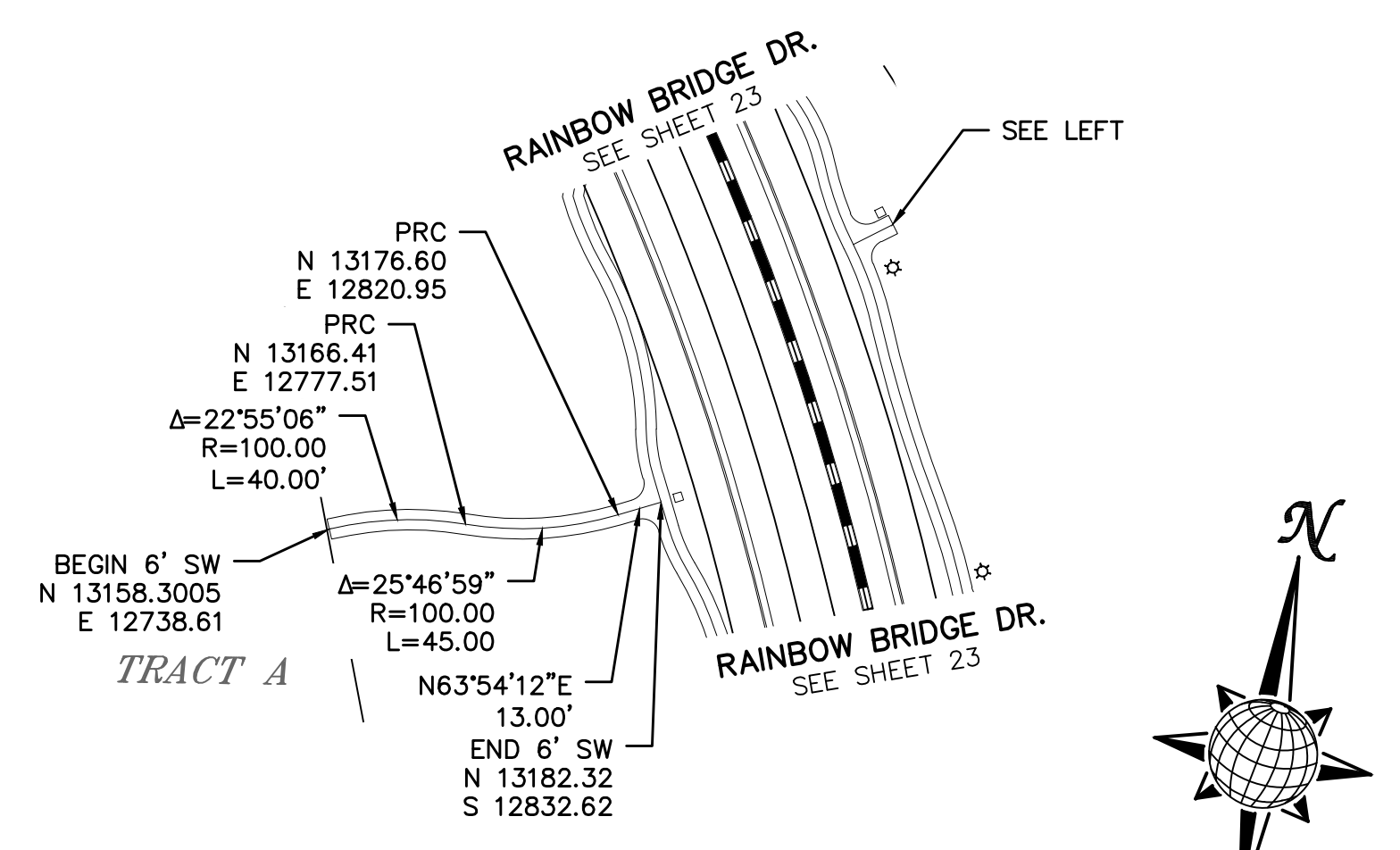
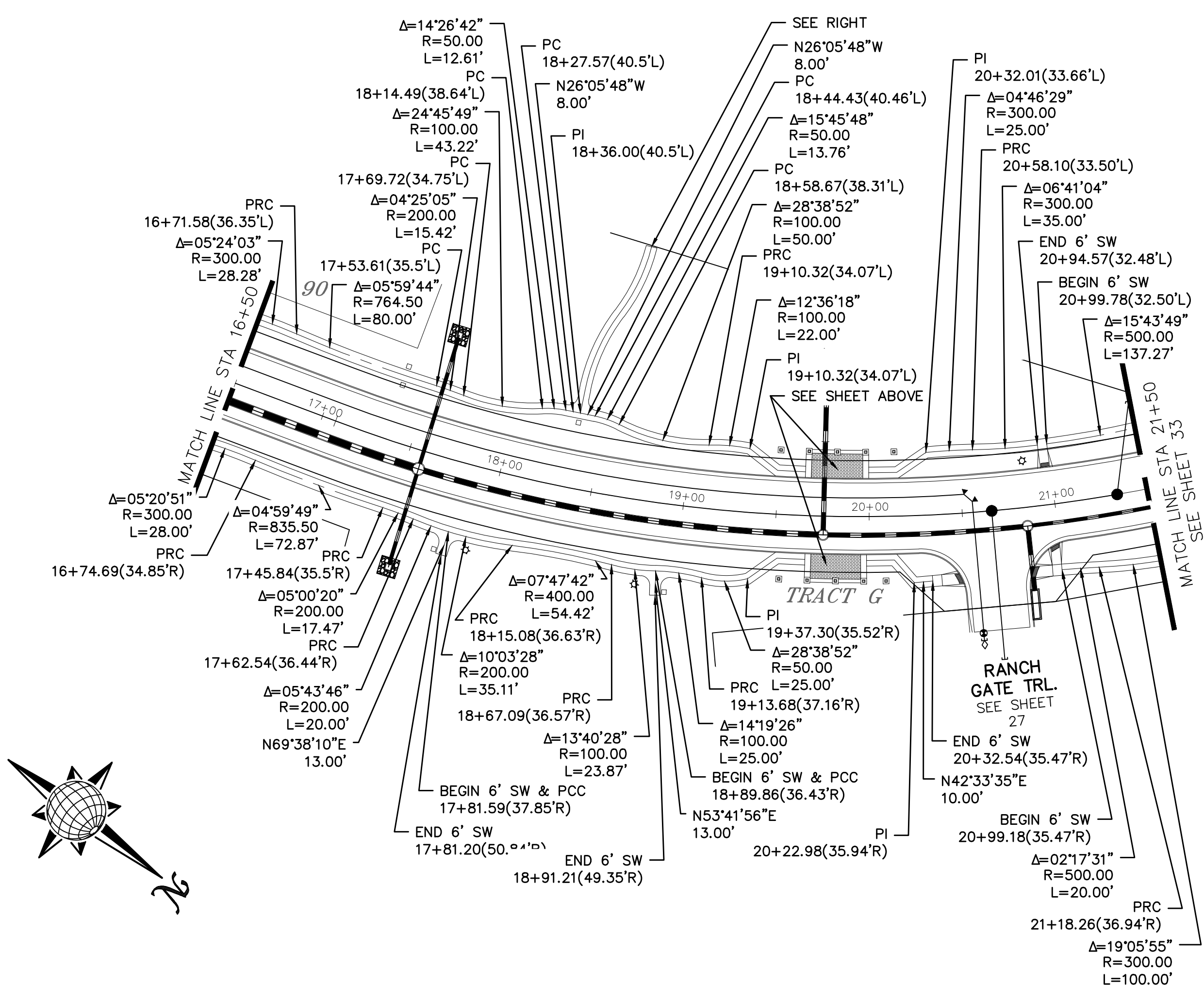
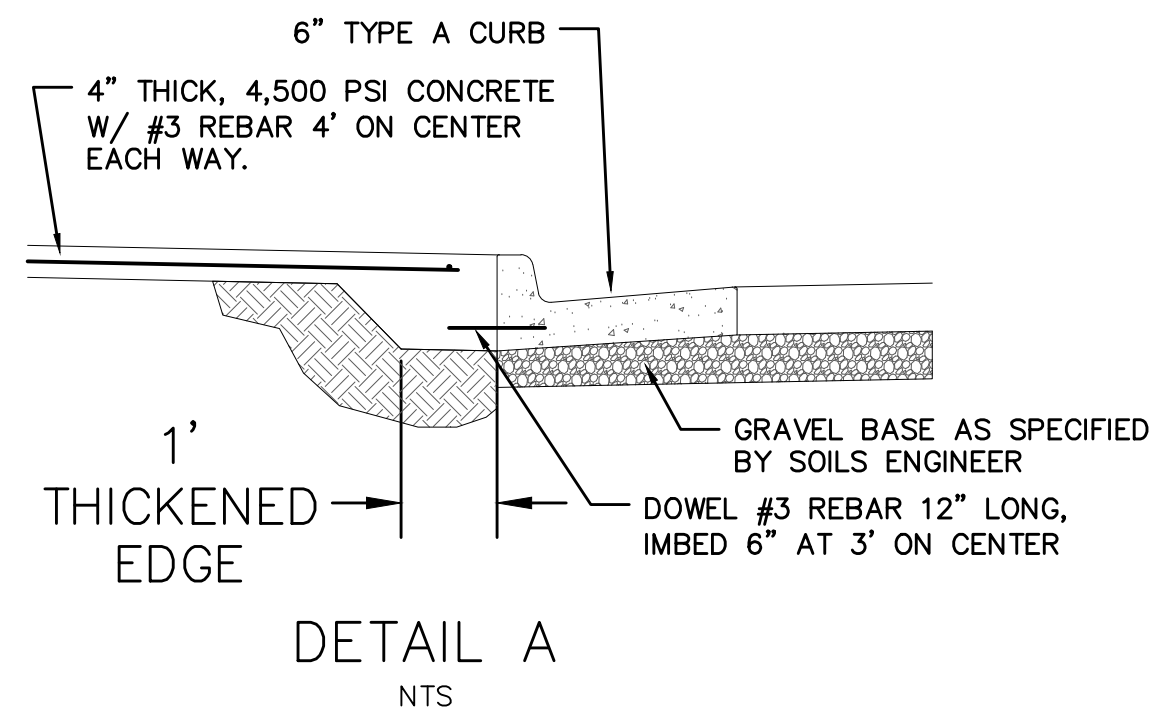
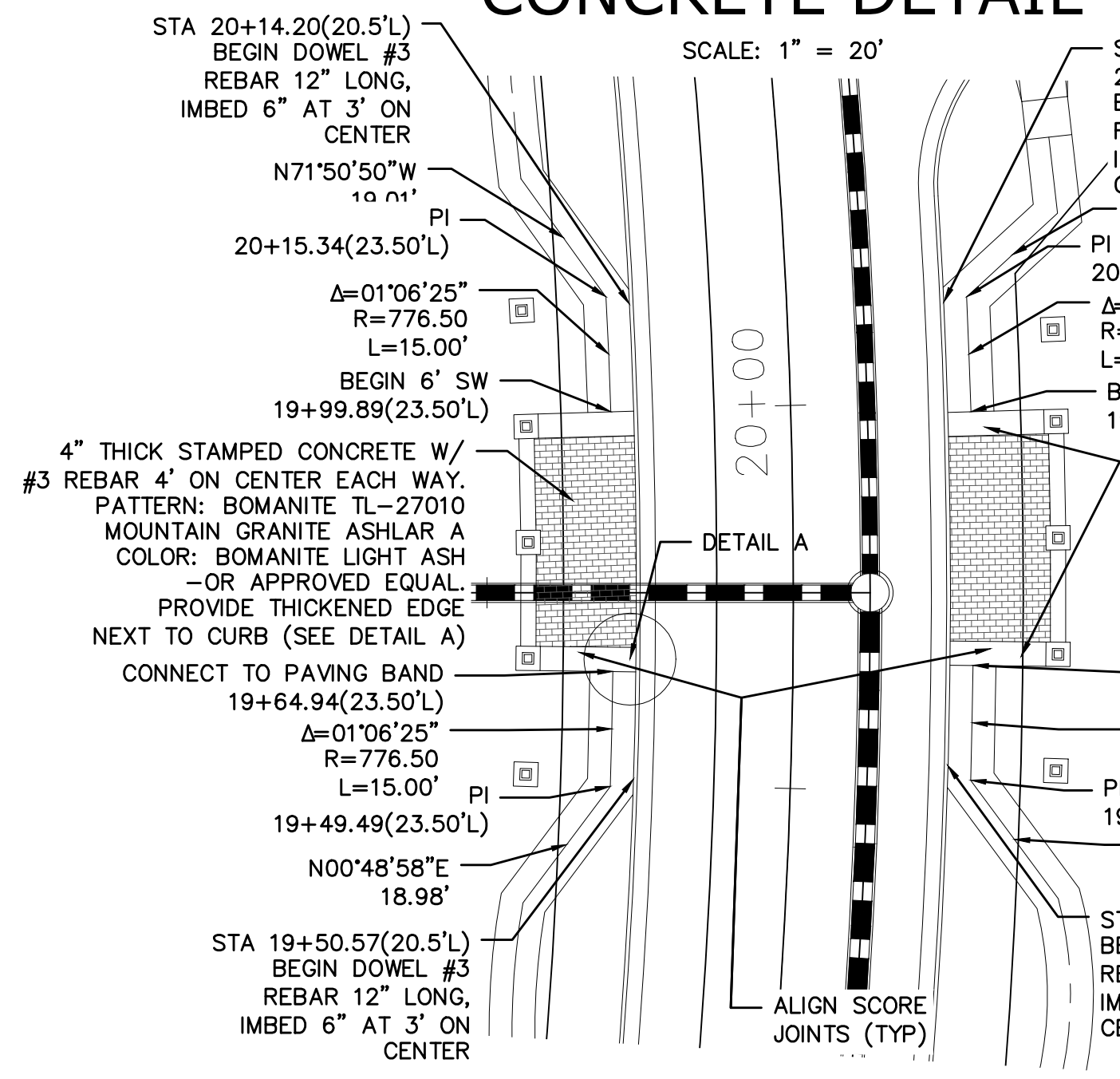
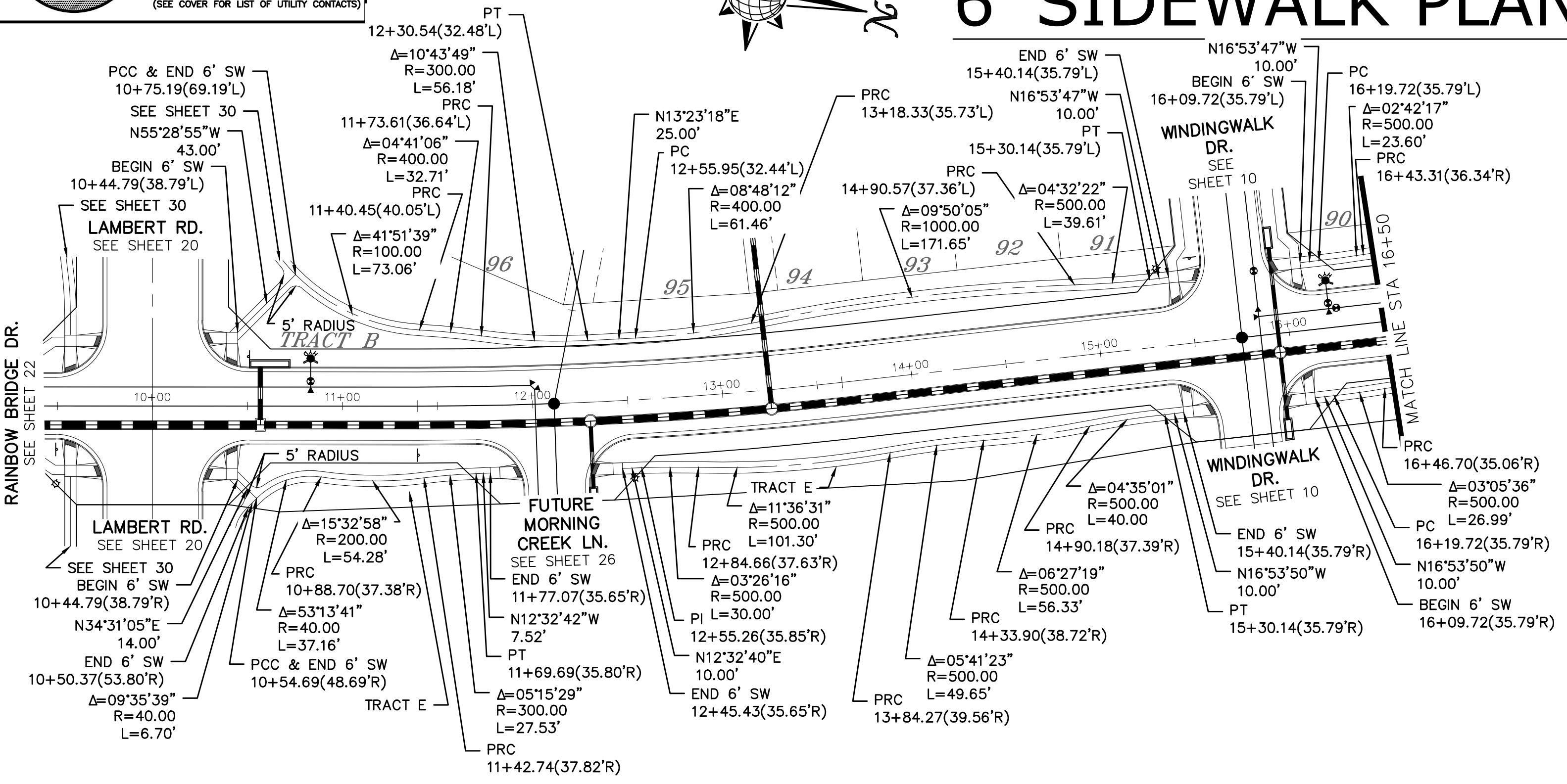
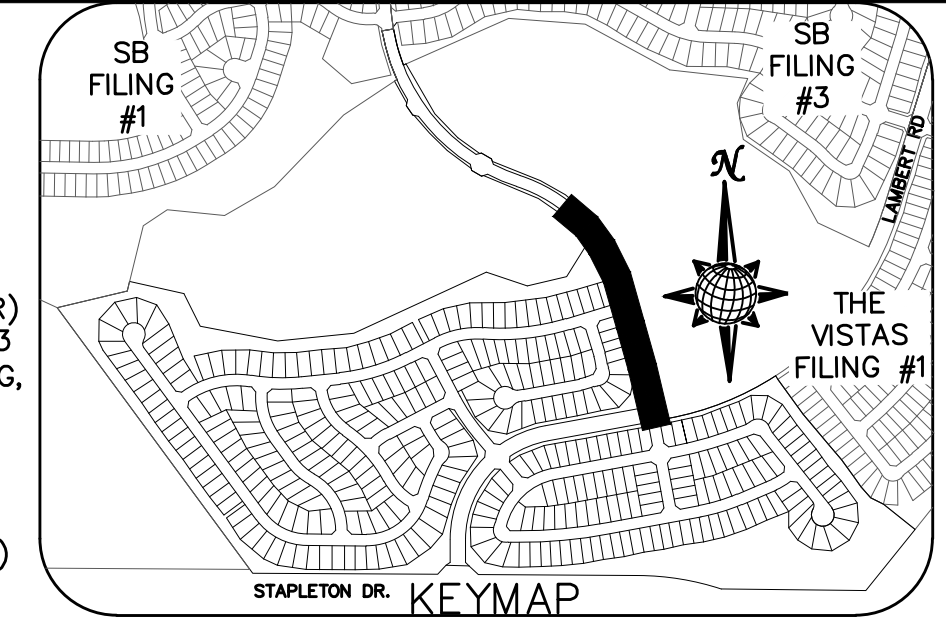


**TWO WORKING DAYS
BEFORE YOU DIG
CALL 811**

OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-332-1887
(SEE COVER FOR LIST OF UTILITY CONTACTS)

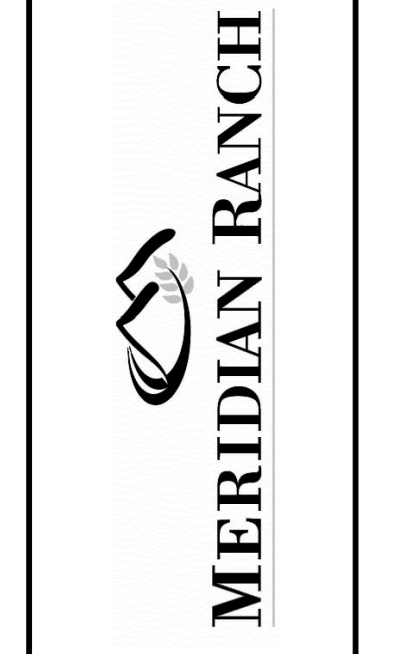
RAINBOW BRIDGE DR. 6' SIDEWALK PLAN

STAMPED CONCRETE DETAIL



No.	Revisions	Date	Appr.	Date

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



WINDINGWALK FI AT MERIDIAN RANCH
STREET AND UTILITY PLANS
SIDEWALK PLAN

Drawn by
LOG

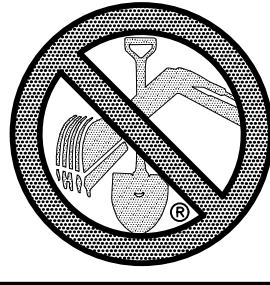
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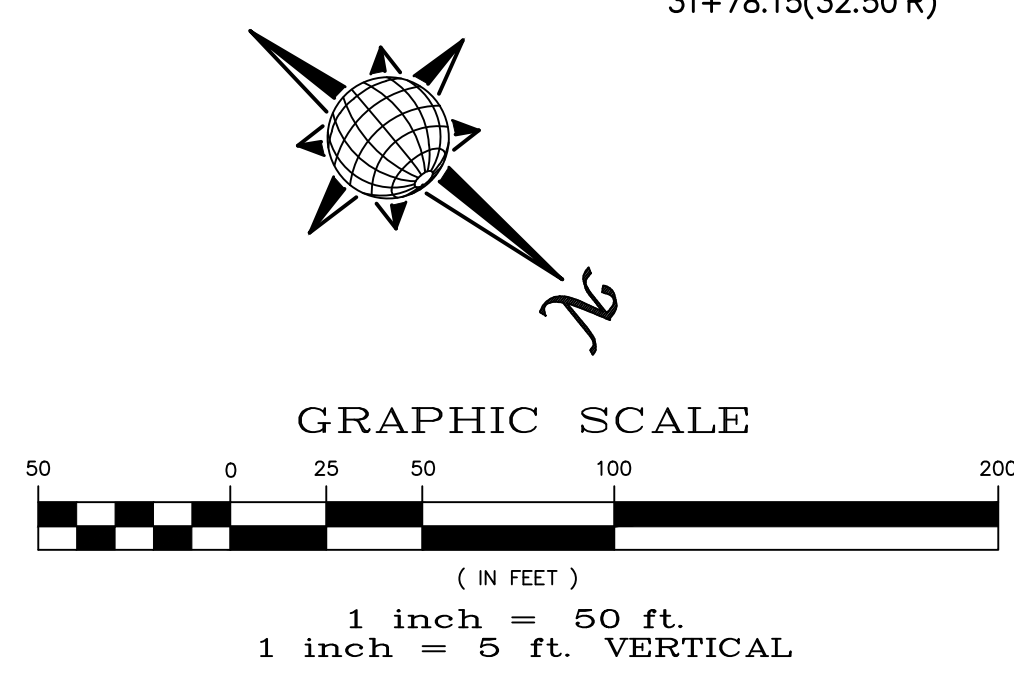
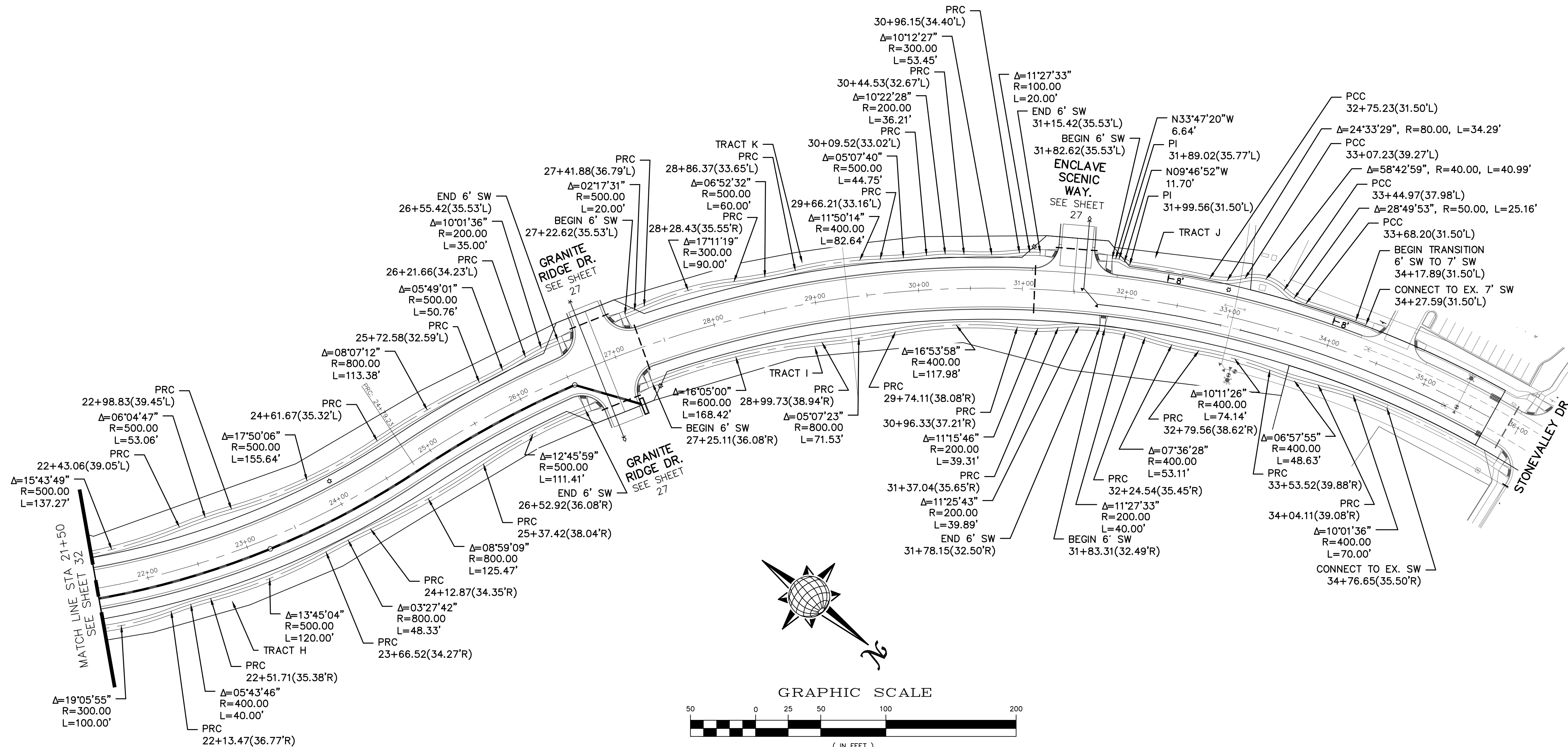
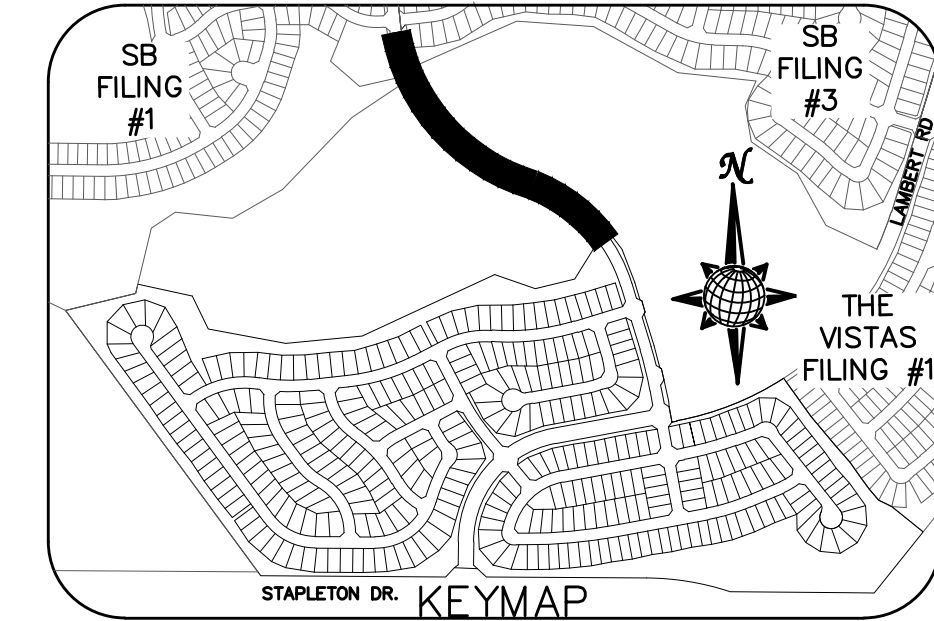
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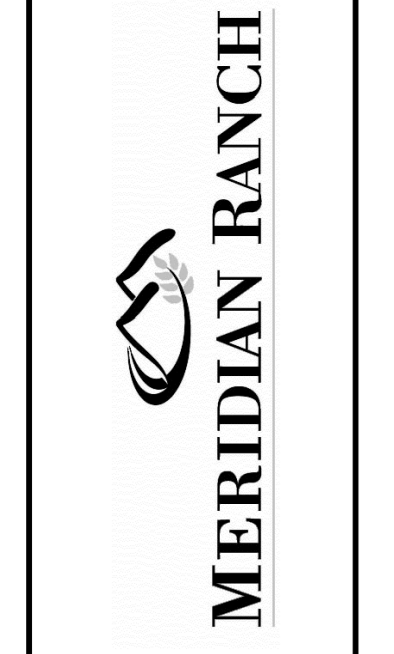
TWO WORKING DAYS
BEFORE YOU DIG
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 OR
 UTILITY NOTIFICATION CENTER OF COLORADO
 1-800-922-1887
 (SEE COVER FOR LIST OF UTILITY CONTACTS)

RAINBOW BRIDGE DR. 6' SIDEWALK PLAN



No.	Revisions	Date	Init.	Appr.	Date

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



WINDINGWALK FI AT MERIDIAN RANCH
 STREET AND UTILITY PLANS
 SIDEWALK PLAN

Drawn by LOG
 Checked by TAK
 Date MAY 2018

Scale AS SHOWN
 33 of 55

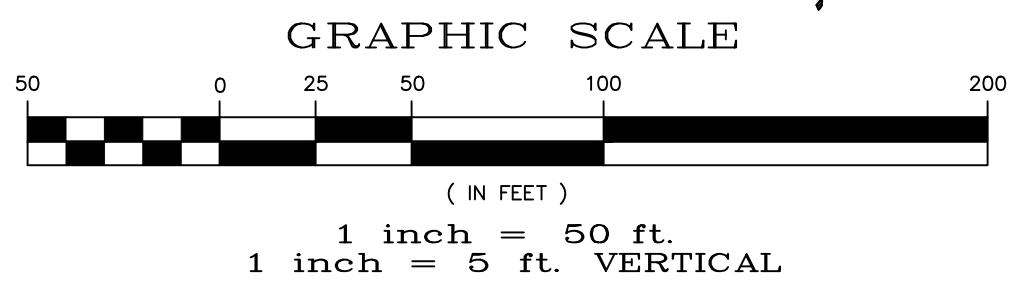
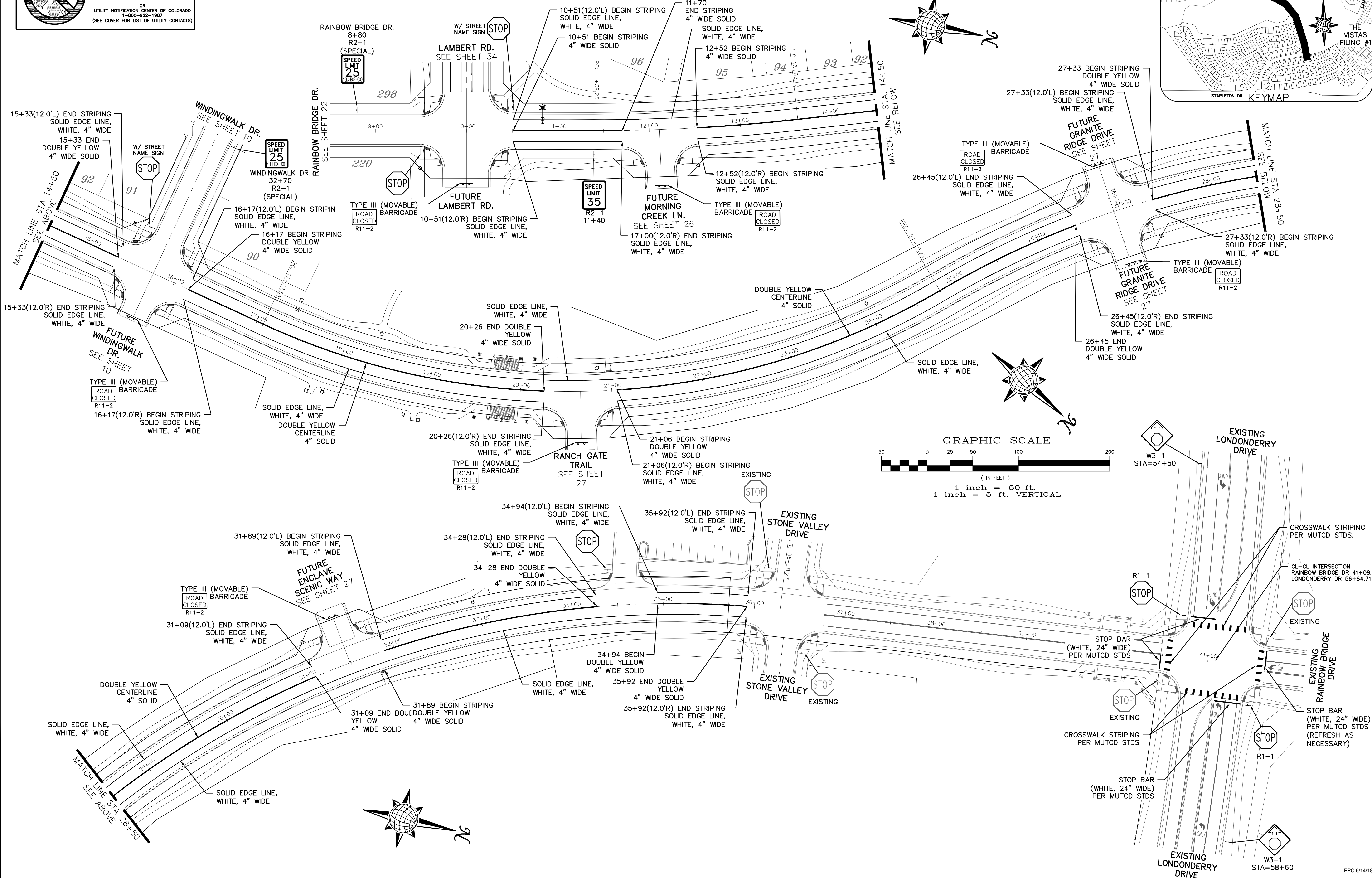
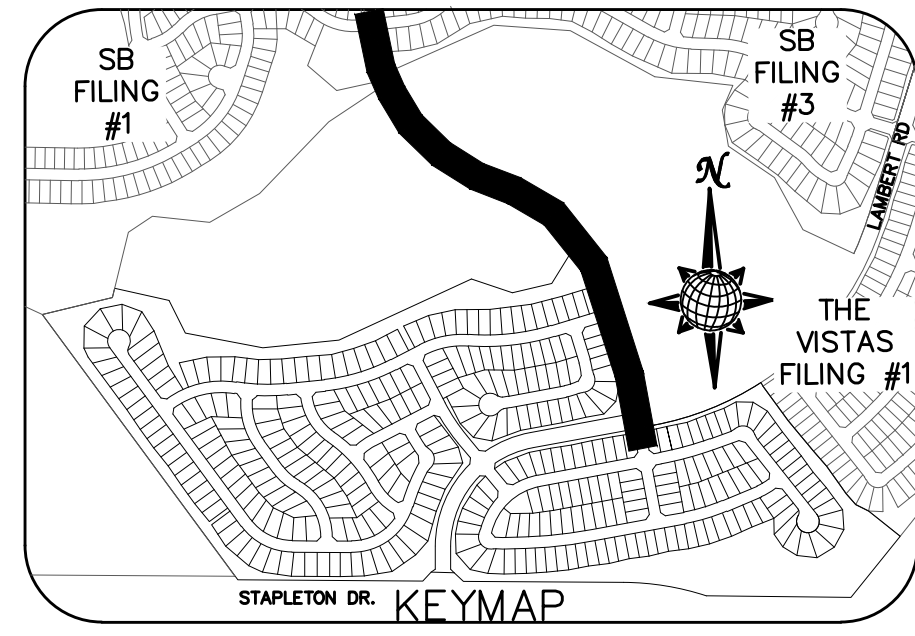


SIGNAGE AND STRIPING

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

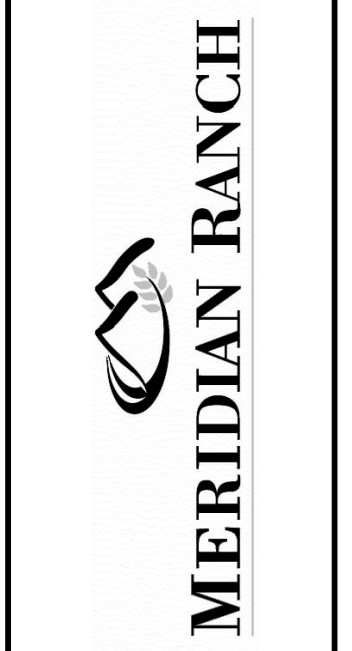
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

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



Date	
Appr.	
Revis	
No.	

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



WINDINGWALK FI AT MERIDIAN RANCH
STREET AND UTILITY PLANS
SIGNAGE AND STRIPING

Drawn by	LOG
Checked by	TAK
Date	MAY 2018
Scale	AS SHOWN
of	55



EPG 6/14/18



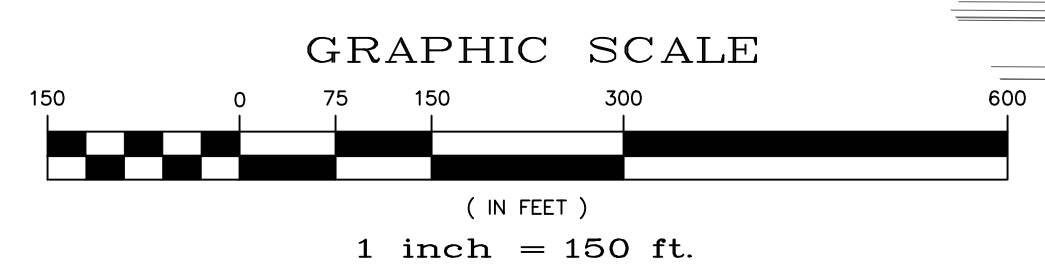
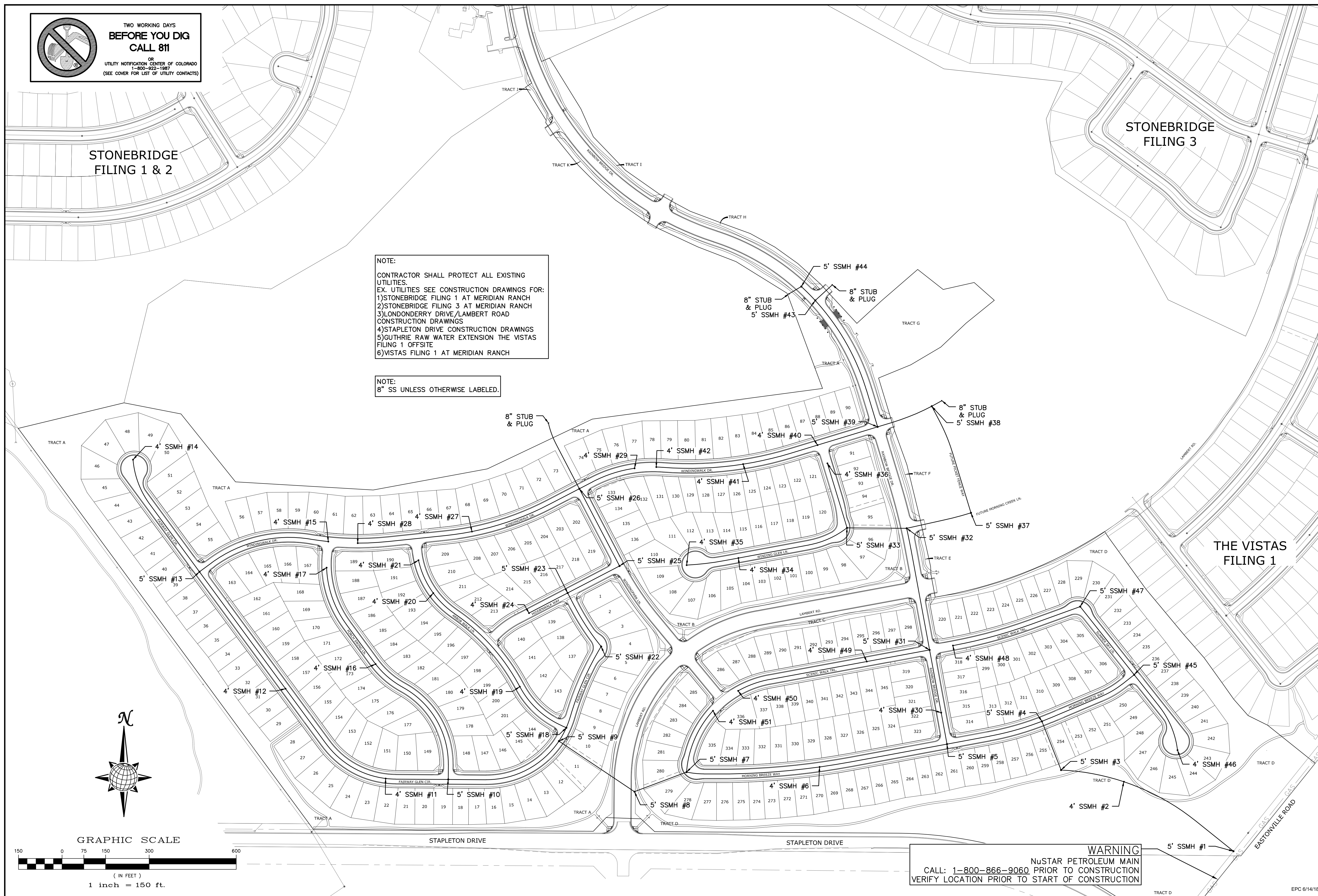
TWO WORKING DAYS
BEFORE YOU DIG
CALL 811
 OR
 UTILITY NOTIFICATION CENTER OF COLORADO
 1-800-922-1987
 (SEE COVER FOR LIST OF UTILITY CONTACTS)

STONEBRIDGE
 FILING 1 & 2

STONEBRIDGE
 FILING 3

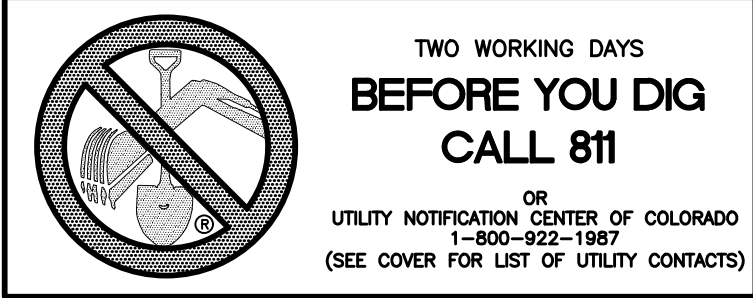
NOTE:
 CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
 EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
 1)STONEBRIDGE FILING 1 AT MERIDIAN RANCH
 2)STONEBRIDGE FILING 3 AT MERIDIAN RANCH
 3)LONDONDERRY DRIVE/LAMBERT ROAD CONSTRUCTION DRAWINGS
 4)STAPLETON DRIVE CONSTRUCTION DRAWINGS
 5)GUTHRIE RAW WATER EXTENSION THE VISTAS FILING 1 OFFSITE
 6)VISTAS FILING 1 AT MERIDIAN RANCH

NOTE:
 8" SS UNLESS OTHERWISE LABELED.



WARNING
 NUSTAR PETROLEUM MAIN
 CALL: 1-800-866-9060 PRIOR TO CONSTRUCTION
 VERIFY LOCATION PRIOR TO START OF CONSTRUCTION

TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		No.	Date	Revisions	Appr.	Date	
 MERIDIAN RANCH		WINDINGWALK FI AT MERIDIAN RANCH		STREET AND UTILITY PLANS		OVERALL SANITARY SEWER	
		Drawn by LOG	Checked by TAK	Date MAY 2018			
Scale AS SHOWN	36 of 55						
		EPC 6/14/18					
PCD PROJECT NO. SF-18-002							

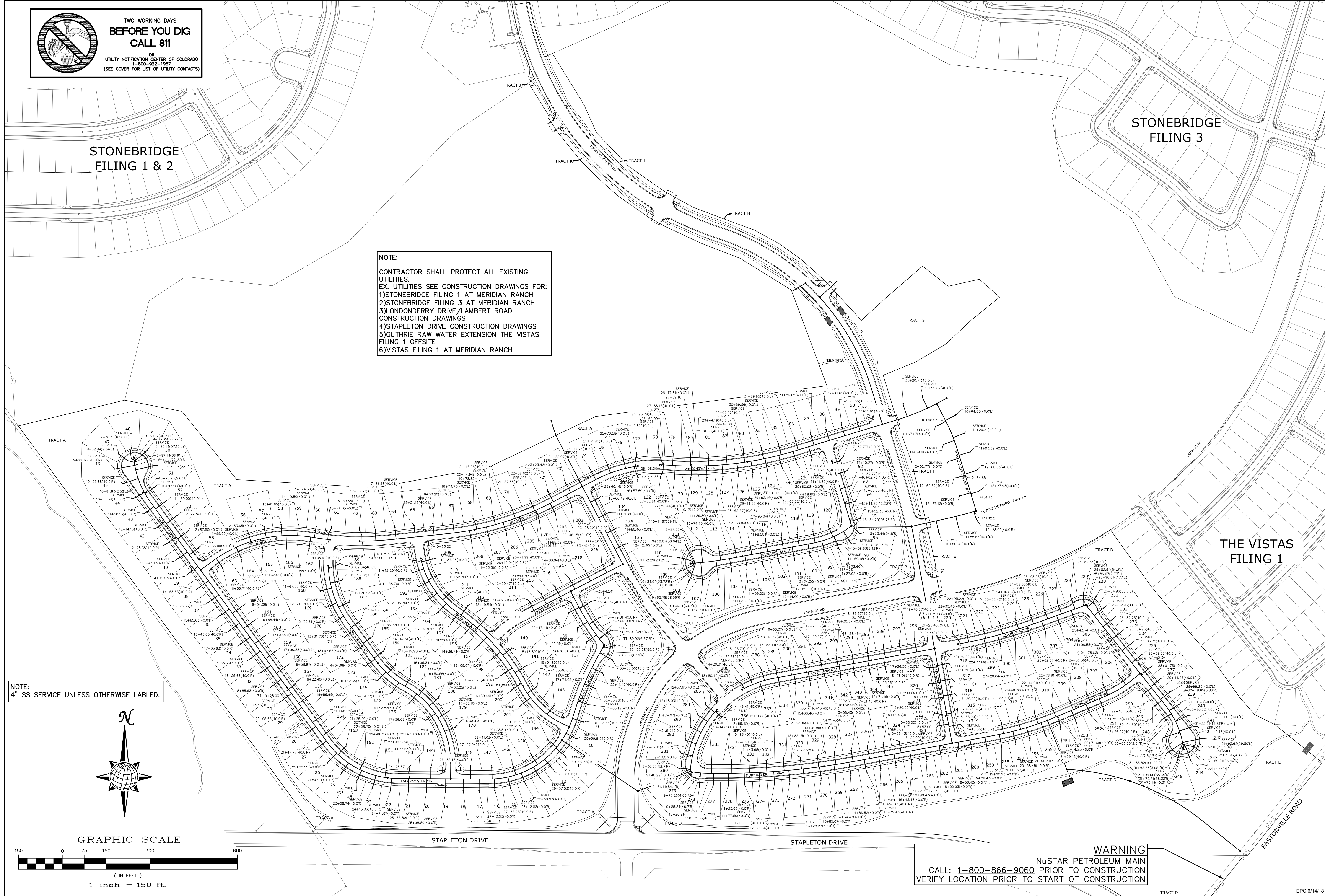


**TWO WORKING DAYS
BEFORE YOU DIG
CALL 811**
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1087
(SEE COVER FOR LIST OF UTILITY CONTACTS)

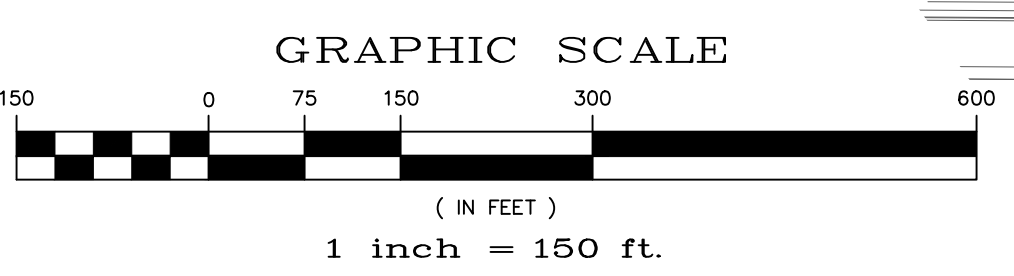
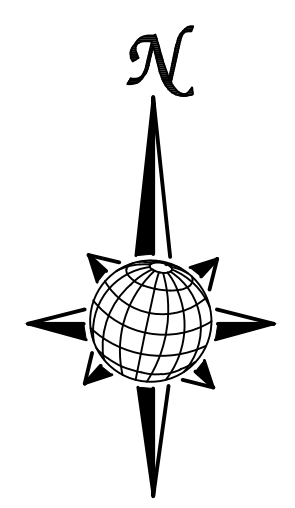
**STONEBRIDGE
FILING 1 & 2**

**STONEBRIDGE
FILING 3**

NOTE:
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EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
1)STONEBRIDGE FILING 1 AT MERIDIAN RANCH
2)STONEBRIDGE FILING 3 AT MERIDIAN RANCH
3)LONDONDERRY DRIVE/LAMBERT ROAD
CONSTRUCTION DRAWINGS
4)STAPLETON DRIVE CONSTRUCTION DRAWINGS
5)GUTHRIE RAW WATER EXTENSION THE VISTAS FILING 1 OFFSITE
6)VISTAS FILING 1 AT MERIDIAN RANCH



NOTE:
4" SS SERVICE UNLESS OTHERWISE LABELED.



WARNING
NUSTAR PETROLEUM MAIN
CALL: 1-800-866-9060 PRIOR TO CONSTRUCTION
VERIFY LOCATION PRIOR TO START OF CONSTRUCTION

Scale AS SHOWN	Drawn by LOG	Checked by TAK	Date MAY 2008
	WINDINGWALK FI AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL SANITARY SEWER SERVICES		
37 of 55	TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		
	MERIDIAN RANCH		
No.	Revisions	Date	Appr.





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)

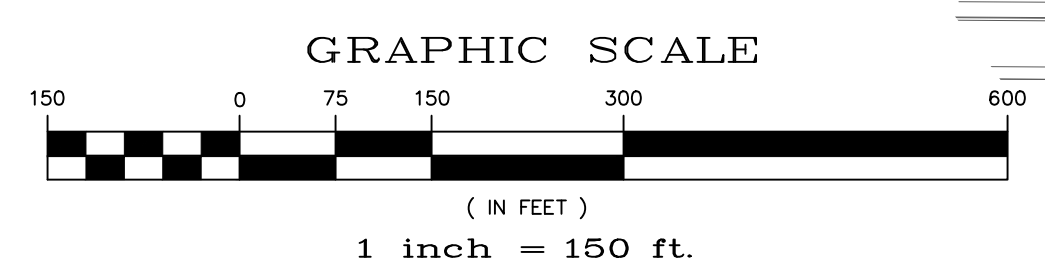
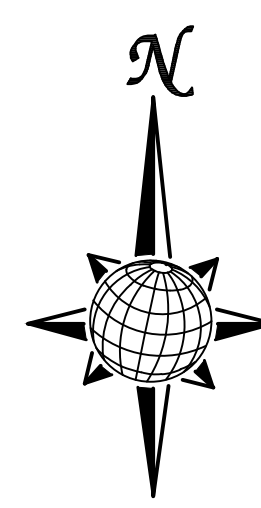
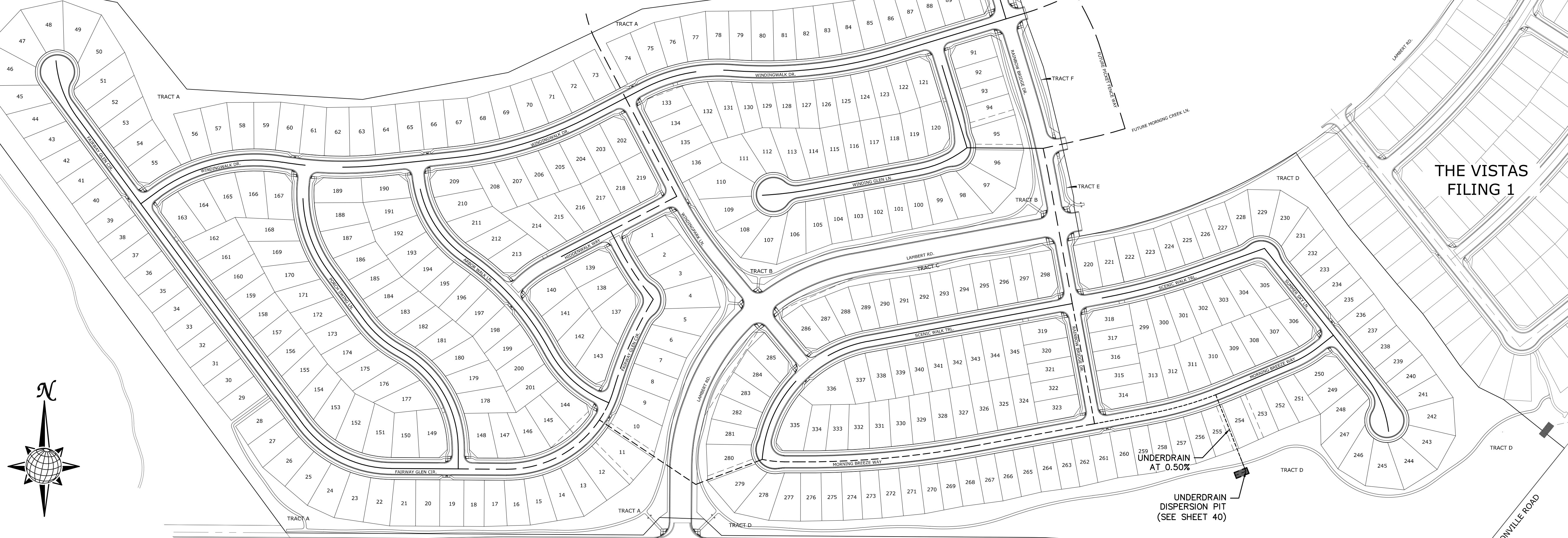
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5)GUTHRIE RAW WATER EXTENSION THE VISTAS FILING 1 OFFSITE
6)VISTAS FILING 1 AT MERIDIAN RANCH

STONEBRIDGE
FILING 1 & 2

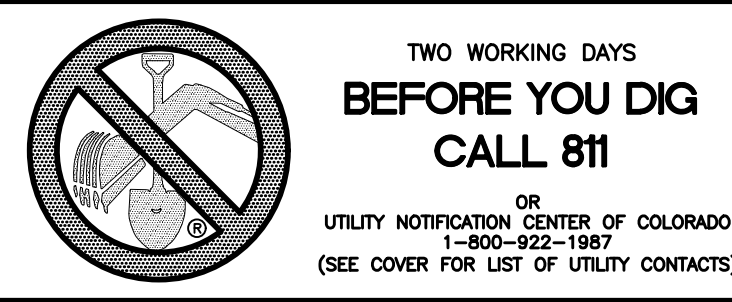
STONEBRIDGE
FILING 3

LEGEND

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

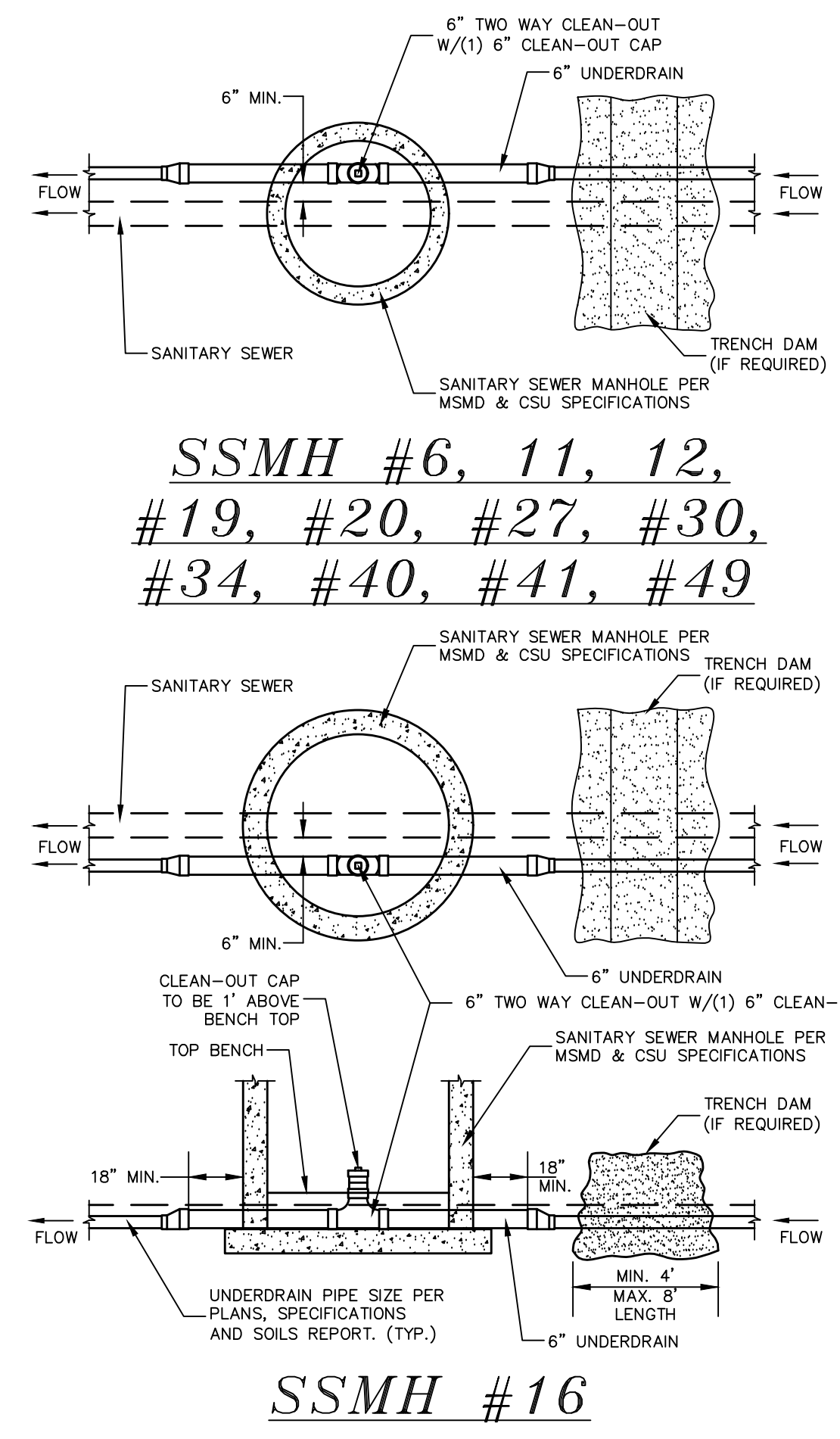
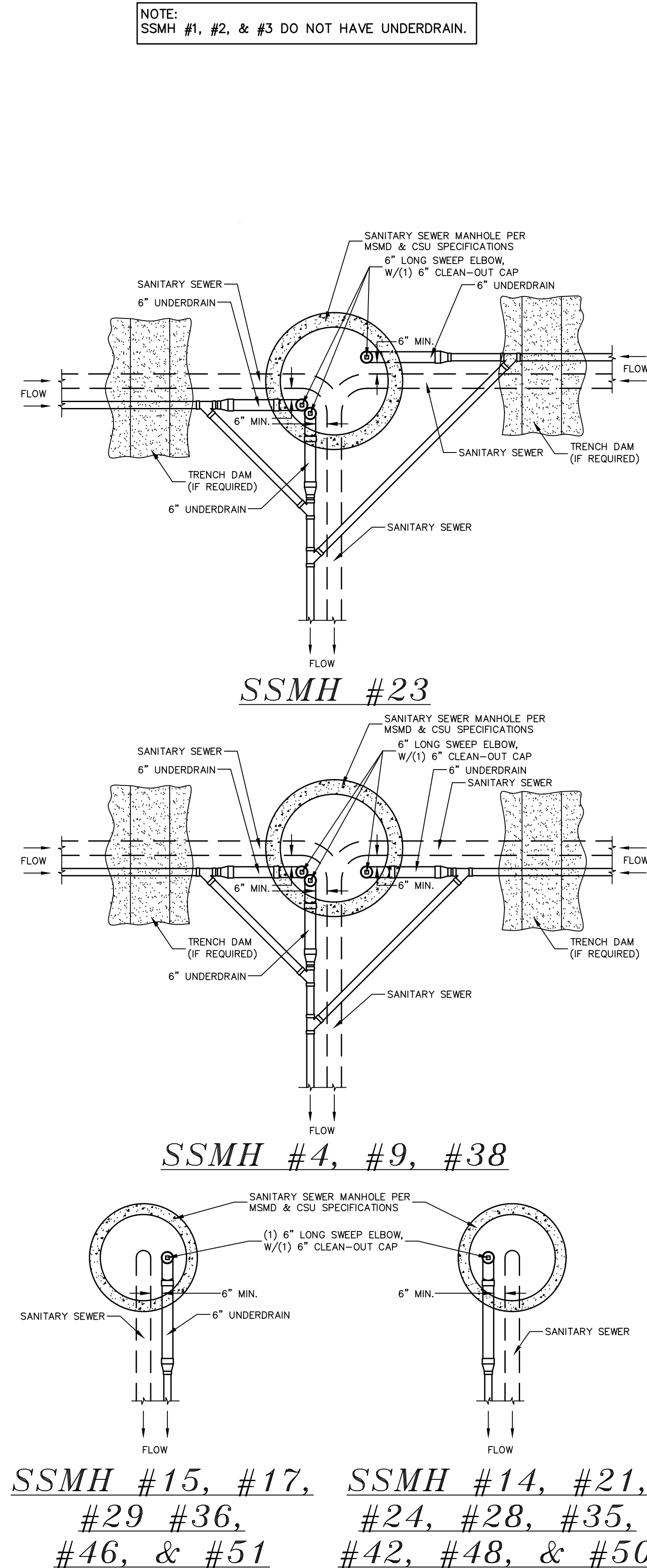
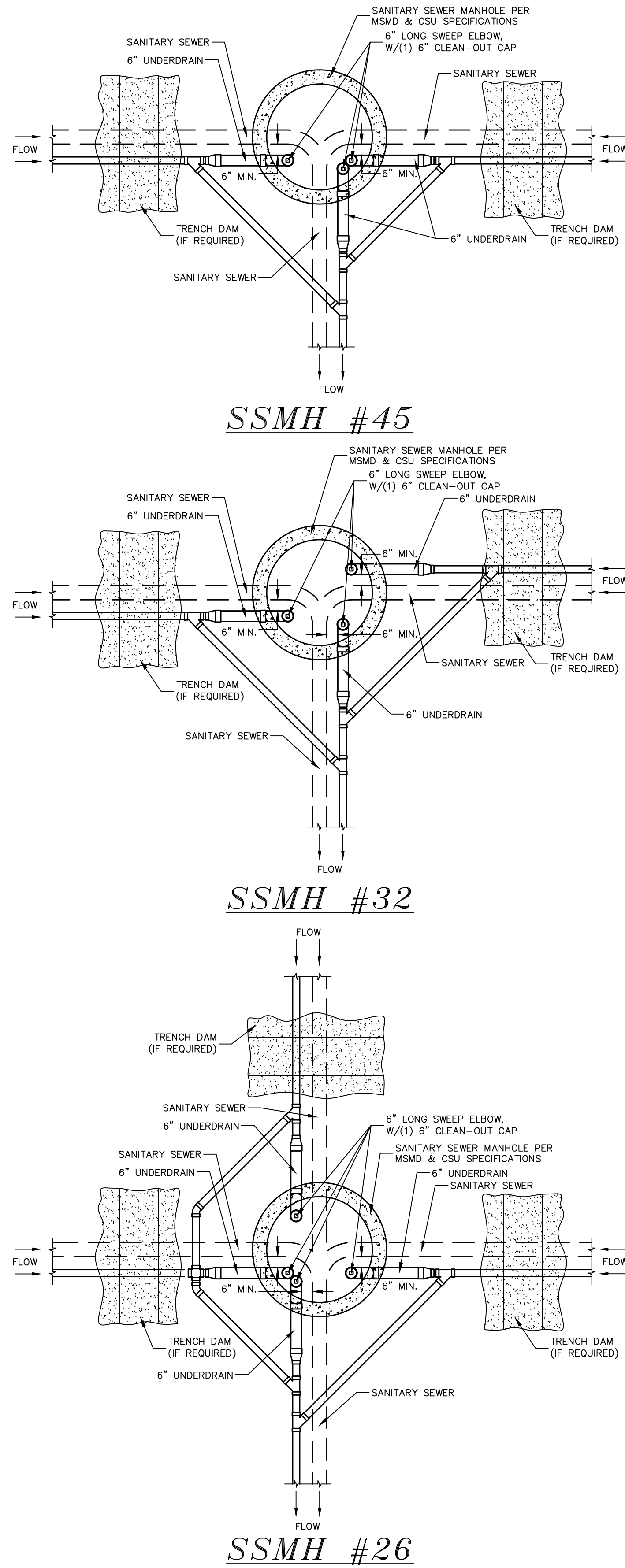
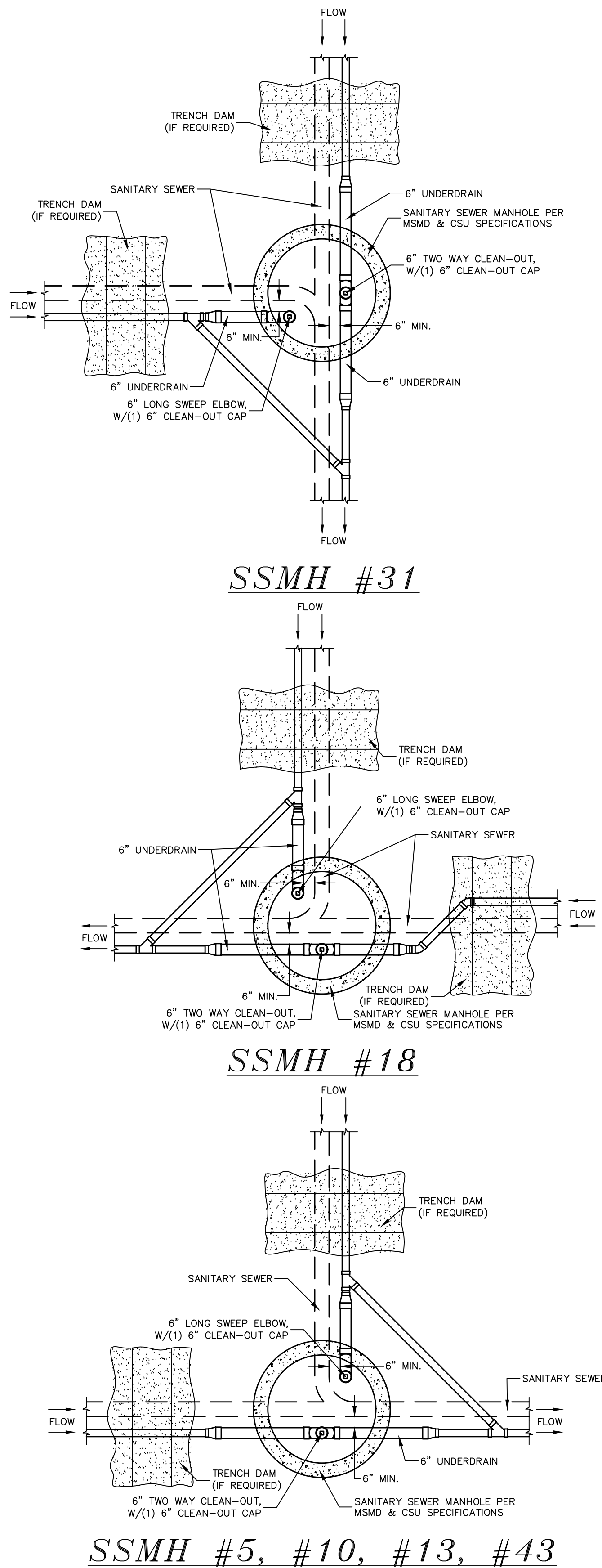


TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		No.		Revisions		Date		Appr.	
<p>MERIDIAN RANCH</p>		WINDINGWALK F1 AT MERIDIAN RANCH		STREET AND UTILITY PLANS		OVERALL UNDERDRAIN		Date	
		Drawn by LOG	Checked by TAK	Date		MAY 2018			
Scale AS SHOWN		38 of 55		Date		MAY 2018			
		EPC 6/14/18		PCD PROJECT NO. SF-18-002					



CLEAN-OUT DETAILS

SCALE : N.T.S.



NOTE:
SSMH #1, #2, & #3 DO NOT HAVE UNDERDRAIN.

- 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 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.

Drawn by	LOG	Checked by	TAK	Date	MAY 2018
Scale	AS SHOWN	39	of	55	
<p>WINDINGWALK FI AT MERIDIAN RANCH STREET AND UTILITY PLANS UNDERDRAIN DETAILS</p>					
<p>TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457</p>					
<p>MERIDIAN RANCH</p>					
No.	Revisions	Date	Init.	Appr.	Date



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

STONEBRIDGE
FILING 1 & 2

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

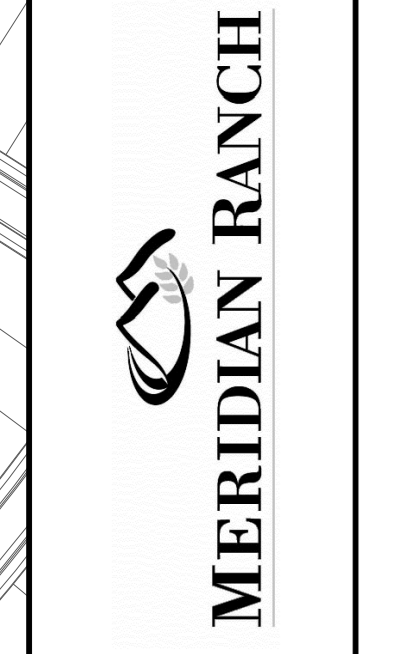
STONEBRIDGE
FILING 3

NOTE:
CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
1)STONEBRIDGE FILING 1 AT MERIDIAN RANCH
2)STONEBRIDGE FILING 3 AT MERIDIAN RANCH
3)LONDONDERRY DRIVE/LAMBERT ROAD CONSTRUCTION DRAWINGS
4)STAPLETON DRIVE CONSTRUCTION DRAWINGS
5)GUTHRIE RAW WATER EXTENSION THE VISTAS FILING 1 OFFSITE
6)VISTAS FILING 1 AT MERIDIAN RANCH

NOTE:
8" WM UNLESS OTHERWISE LABELED.

No.	Revisions	Date	Appr.	Date

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



WINDINGWALK FI AT MERIDIAN RANCH
STREET AND UTILITY PLANS
OVERALL WATER

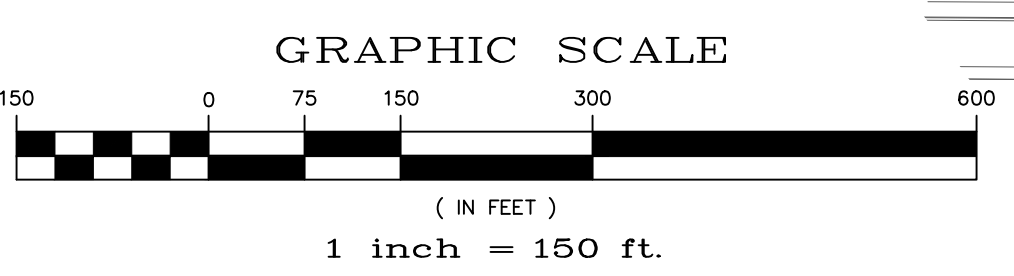
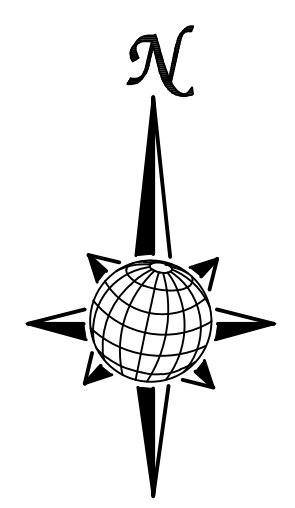
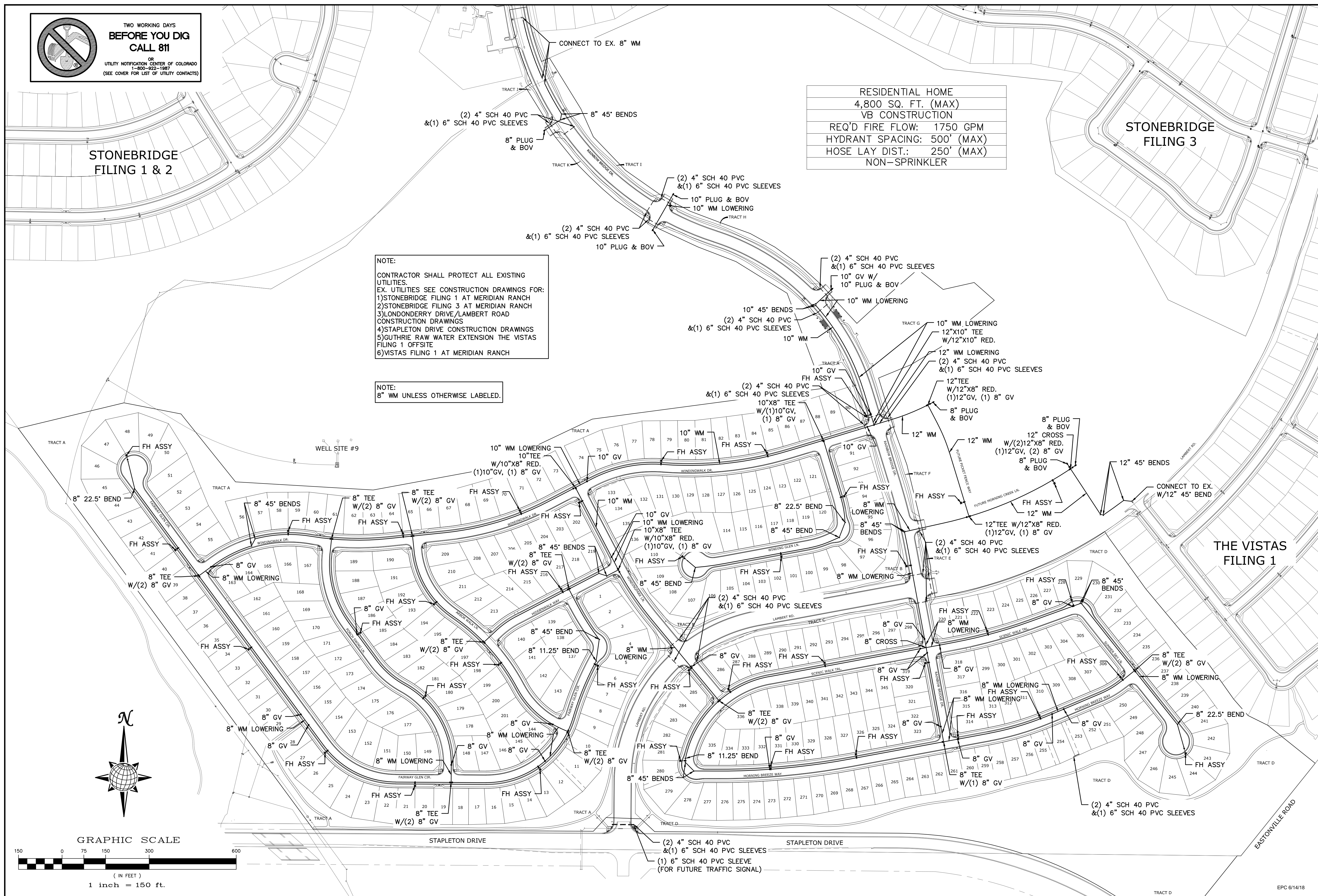
Drawn by LOG
Checked by TAK
Date MAY 2018

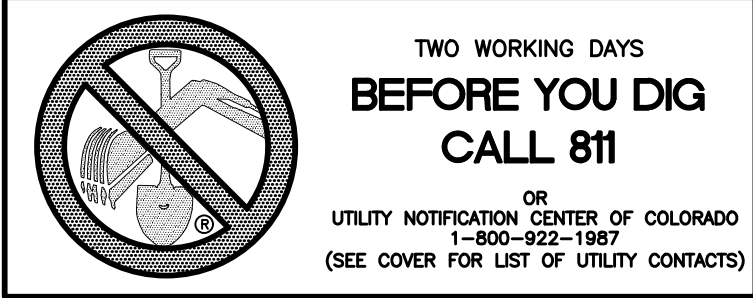
Scale AS SHOWN
41 of 55



EPC 6/14/18

PCD PROJECT NO. SF-18-002





TWO WORKING DAYS
**BEFORE YOU DIG
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UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1087
(SEE COVER FOR LIST OF UTILITY CONTACTS)

STONEBRIDGE
FILING 1 & 2

STONEBRIDGE
FILING 3

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4)STAPLETON DRIVE CONSTRUCTION DRAWINGS
5)GUTHRIE RAW WATER EXTENSION THE VISTAS FILING 1 OFFSITE
6)VISTAS FILING 1 AT MERIDIAN RANCH

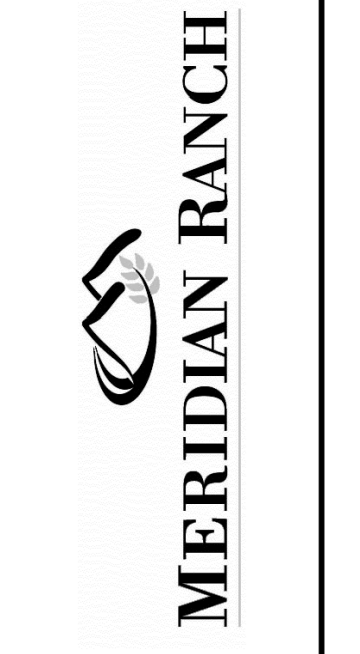
NOTE:
3/4" WATER SERVICE UNLESS OTHERWISE LABELED.

WELL SITE #9

THE VISTAS
FILING 1

No.	Revisions	Date	Init.	Appr.	Date

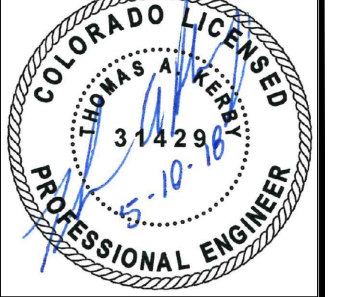
TECH CONTRACTORS
11886 STAPLETON DRIVE
FALCON, CO 80831
TELEPHONE:
719.495.7444
FAX:
719.495.2457



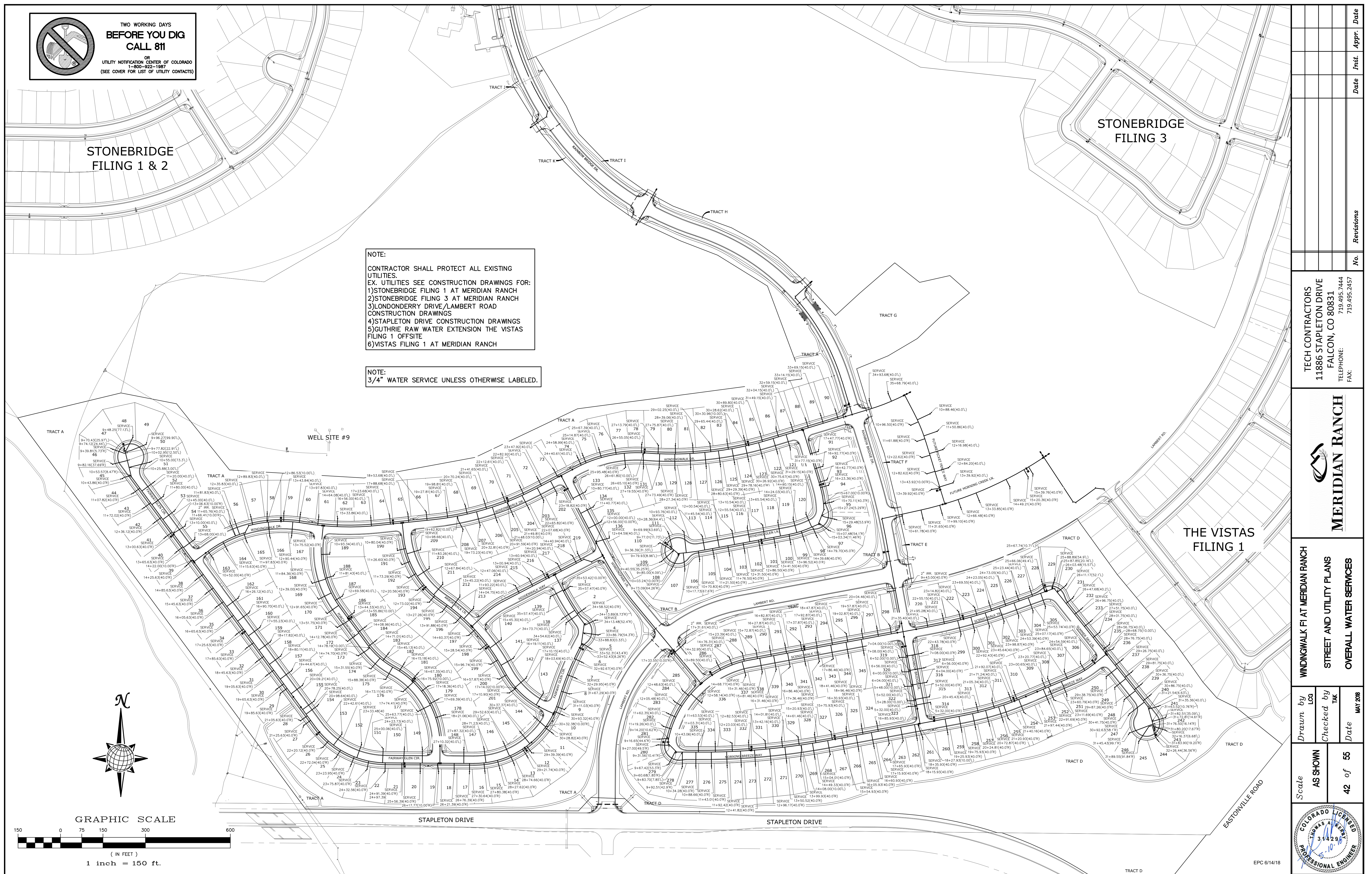
WINDINGWALK FI AT MERIDIAN RANCH
STREET AND UTILITY PLANS
OVERALL WATER SERVICES

Drawn by
LOG
Checked by
TAK
Date
MAY 2008

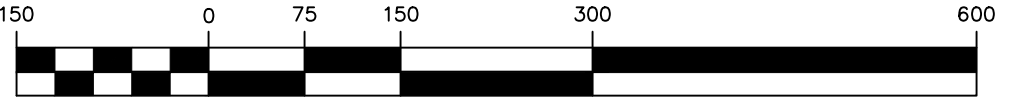
Scale
AS SHOWN
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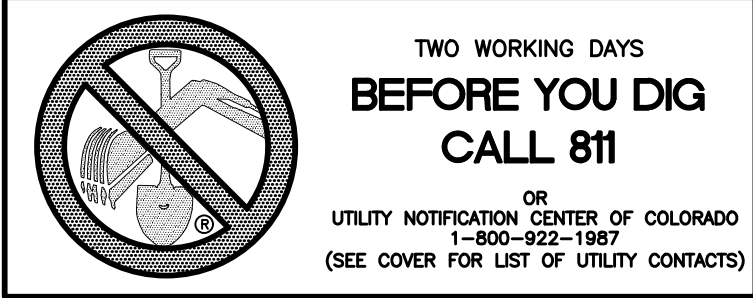
EPC 6/14/18



GRAPHIC SCALE



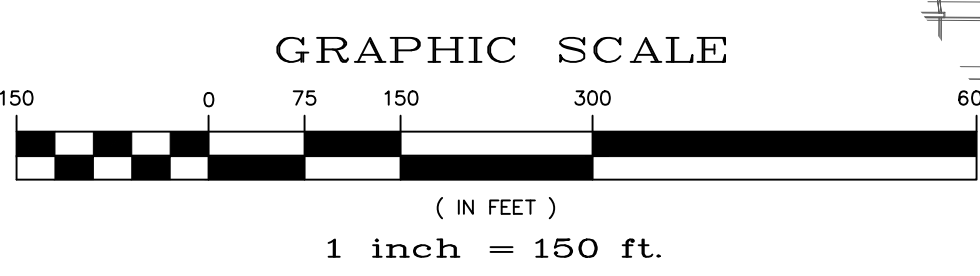
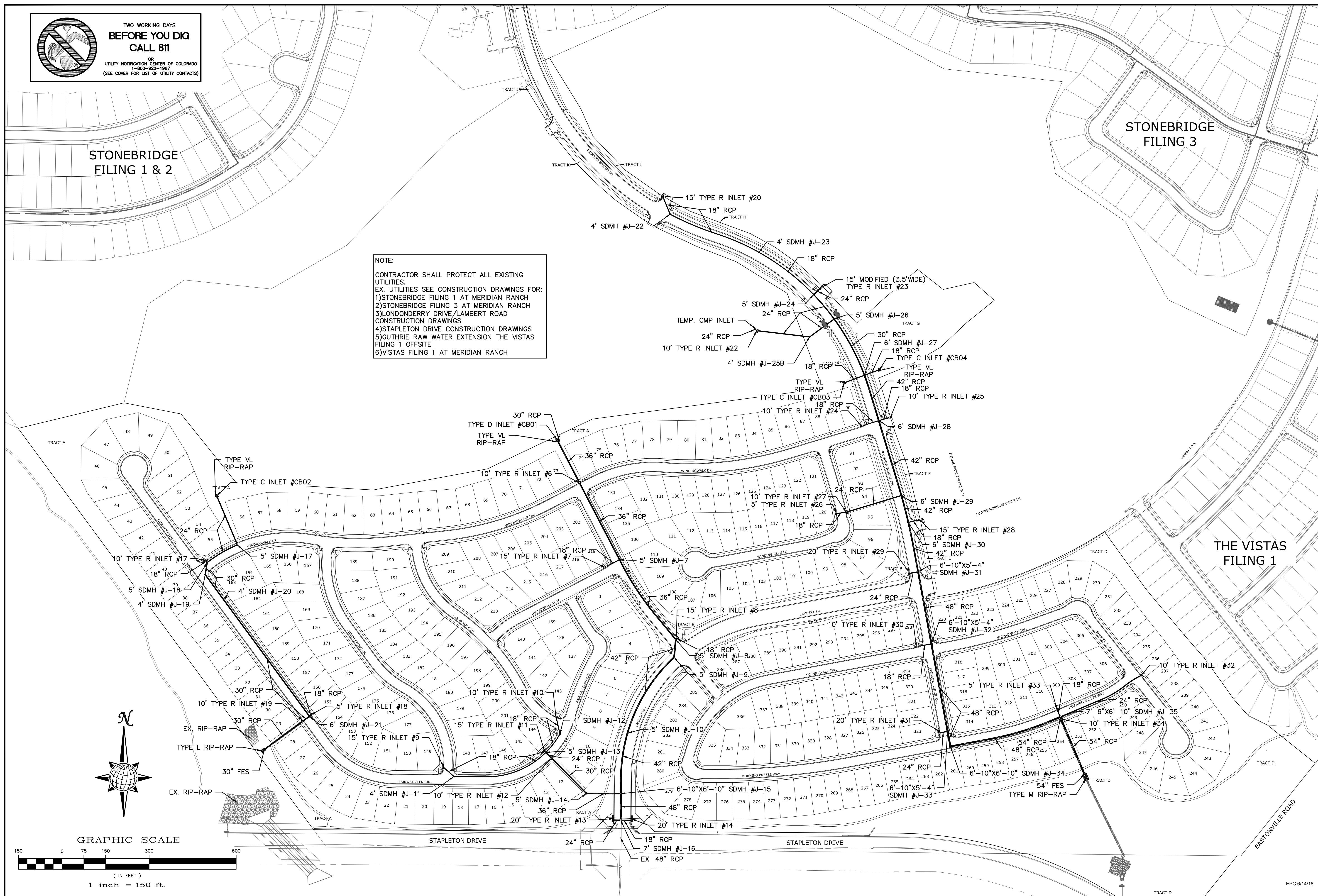
1 inch = 150 ft.



STONEBRIDGE FILING 1 & 2

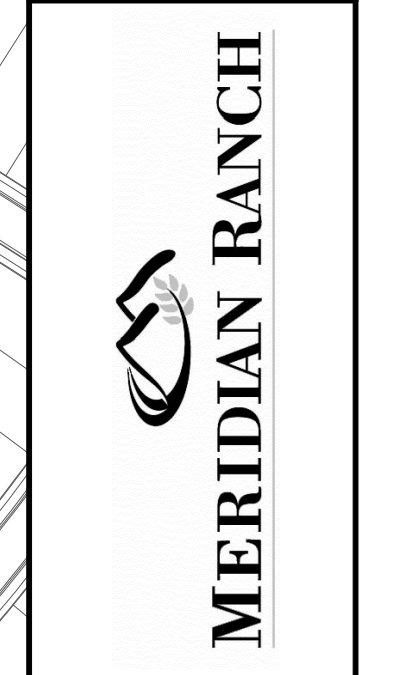
STONEBRIDGE FILING 3

NOTE:
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 6)VISTAS FILING 1 AT MERIDIAN RANCH



No.	Revisions	Date	Invt.	Appr.	Date

TECH CONTRACTORS
 11886 STAPLETON DRIVE
 FALCON, CO 80831
 TELEPHONE: 719.495.7444
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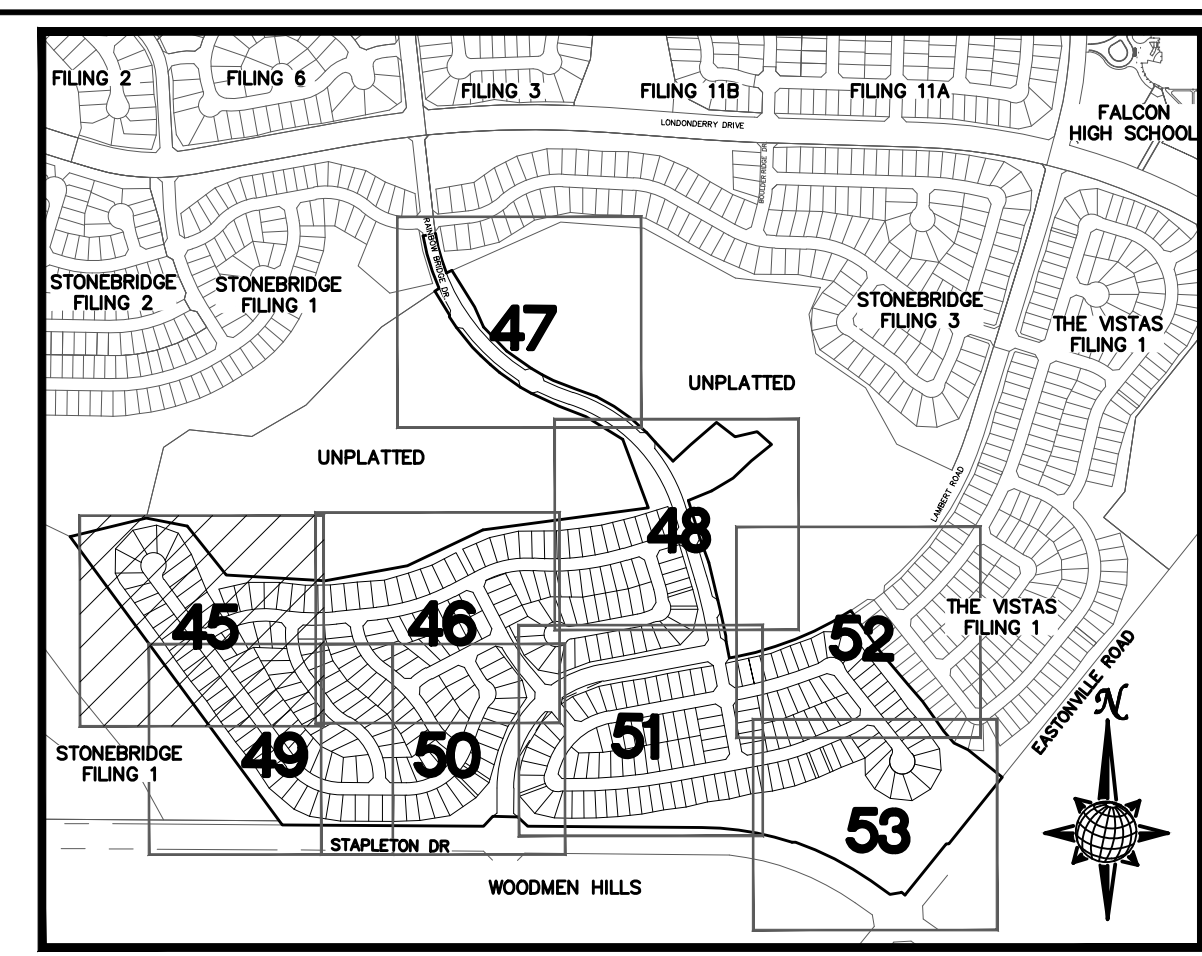
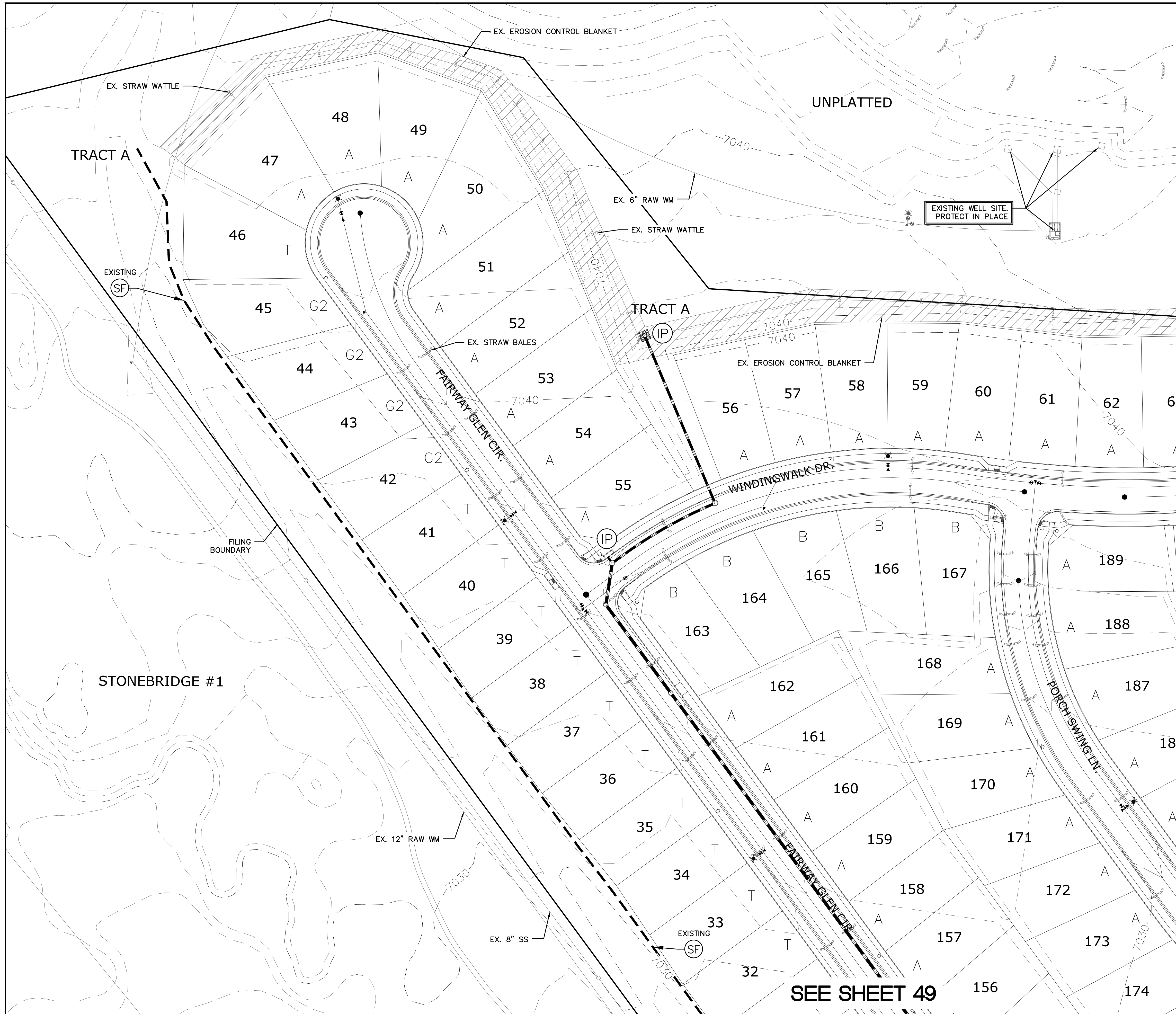
WINDINGWALK FI AT MERIDIAN RANCH
 STREET AND UTILITY PLANS
 OVERALL STORM DRAIN

Drawn by LOG
 Checked by TAK
 Date MAY 2018

Scale AS SHOWN
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EPC 6/14/18

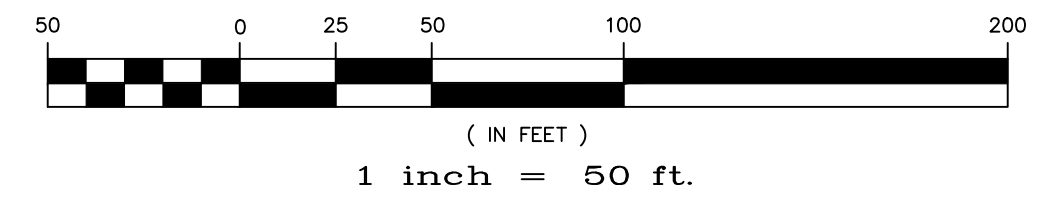


INDEX MAP
N.T.S.

LEGEND

SYMBOL	ACRONYM	DESCRIPTION
		STRAW BALES
		EROSION WATTLES PER DETAIL SHEET 55
		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
	VT	VEHICLE TRACKING CONTROL PER DETAIL VT-2 DCM VOL. 2
	IP	INLET PROTECTION PER DETAIL SHEET 55
		LIMITS OF GRADING
		EXISTING CONTOUR (10')
		EXISTING CONTOUR (2')
		PROPOSED CONTOUR (10')
		PROPOSED CONTOUR (2')
		2.00% GRADE
		75 LOT NUMBER
		A LOT GRADE TYPE

GRAPHIC SCALE



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 54.

CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
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5)GUTHRIE RAW WATER EXTENSION THE VISTAS FILING 1 OFFSITE
6)MERIDIAN RANCH FILING 11
7)VISTAS FILING 1 AT MERIDIAN RANCH

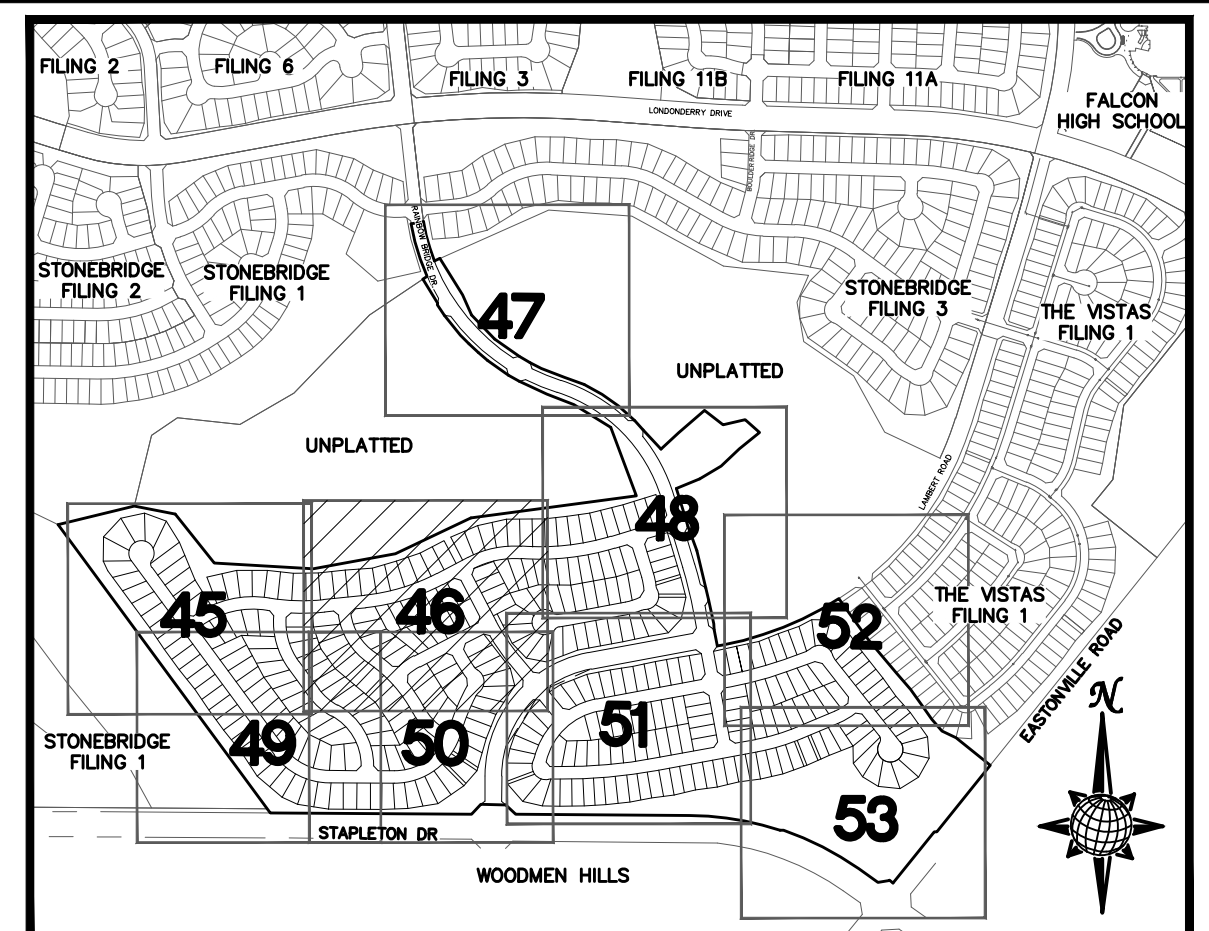
ALL EXISTING BMPs ARE PER THE APPROVED ROUGH GRADING PLAN FOR WINDINGWALK AT MERIDIAN RANCH (PCD FILE NO 17-001) APPROVED ON MARCH 6, 2018.

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)

SEE SHEET 46

SEE SHEET 49

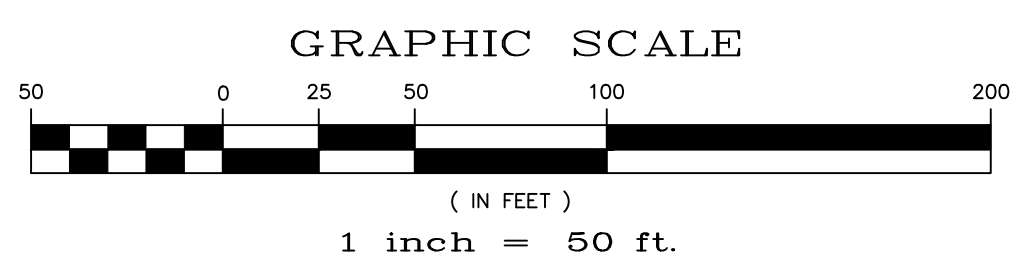
Drawn by	LOG	Checked by	TAK	Date	MAY 2018
Scale	AS SHOWN	45 of	55		
 MERIDIAN RANCH					
WINDINGWALK FI AT MERIDIAN RANCH GRADING-EROSION CONTROL PLAN PLAN SHEET					
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
No.	Revisions	Date	Init.	Appr.	Date



INDEX MAP
N.T.S.

LEGEND

SYMBOL	ACRONYM	DESCRIPTION
		STRAW BALES
		EROSION WATTLES PER DETAIL SHEET 55
		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
	UTC	VEHICLE TRACKING CONTROL PER DETAIL VT-2 DCM VOL. 2
	IP	INLET PROTECTION PER DETAIL SHEET 55
		LIMITS OF GRADING
		EXISTING CONTOUR (10')
		EXISTING CONTOUR (2')
		PROPOSED CONTOUR (10')
		PROPOSED CONTOUR (2')
		GRADE
		LOT NUMBER
		LOT GRADE TYPE



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4) STAPLETON DRIVE CONSTRUCTION DRAWINGS
5) GUTHRIE RAW WATER EXTENSION THE VISTAS FILING 1 OFFSITE
6) MERIDIAN RANCH FILING 11
7) VISTAS FILING 1 AT MERIDIAN RANCH

ALL EXISTING BMPs ARE PER THE APPROVED ROUGH GRADING PLAN FOR WINDINGWALK AT MERIDIAN RANCH (PCD FILE NO 17-001) APPROVED ON MARCH 6, 2018.

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)

SEE SHEET 51

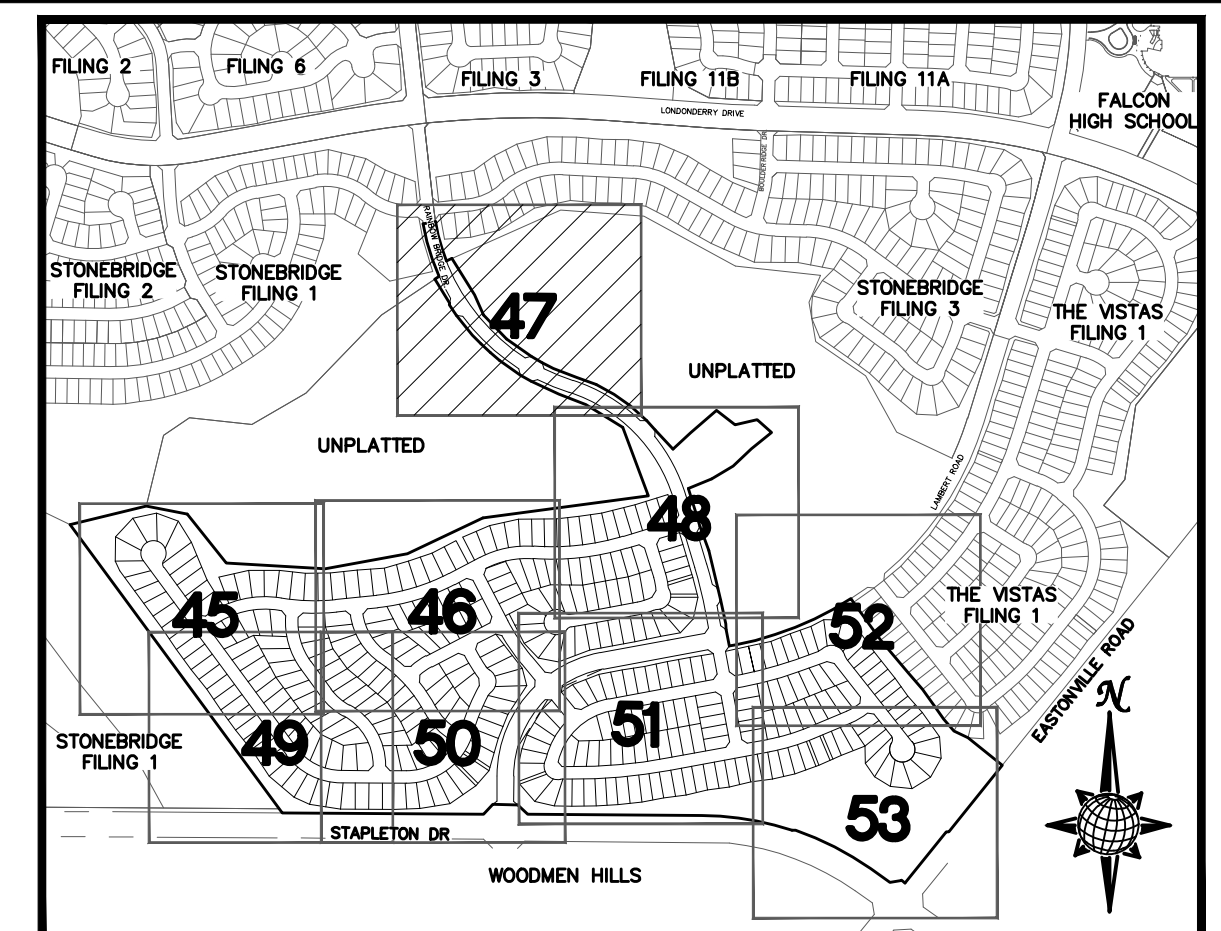
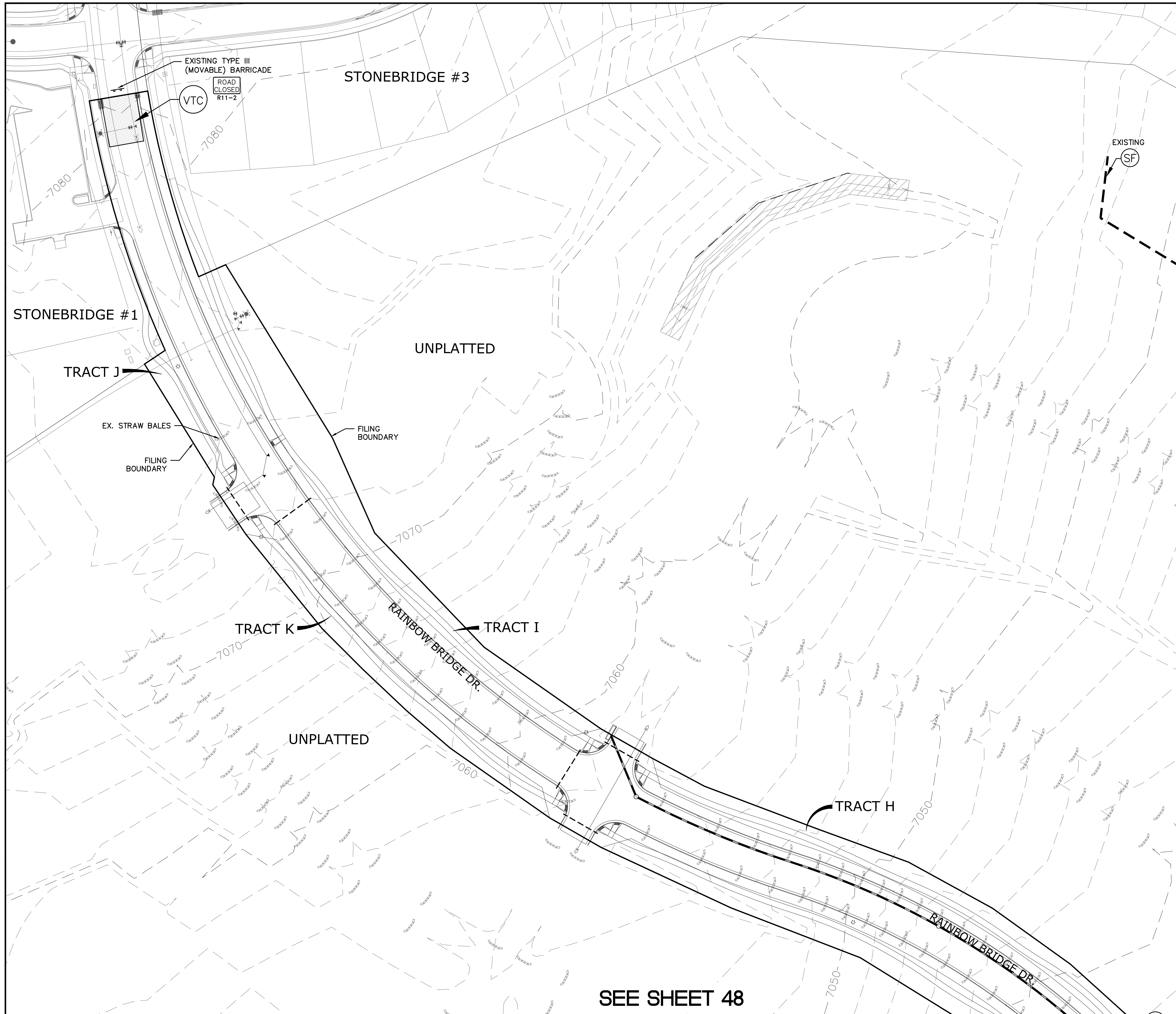
SEE SHEET 48

SEE SHEET 45

SEE SHEET 49

SEE SHEET 50

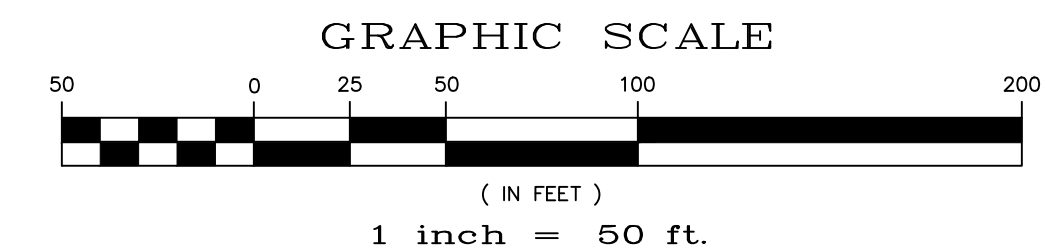
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Scale	AS SHOWN	46 of	55		
<p>MERIDIAN RANCH</p>					
<p>WINDINGWALK FI AT MERIDIAN RANCH GRADING-EROSION CONTROL PLAN PLAN SHEET</p>					
<p>TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457</p>					
No.	Revisions	Date	Init.	Appr.	Date



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N.T.S.

LEGEND

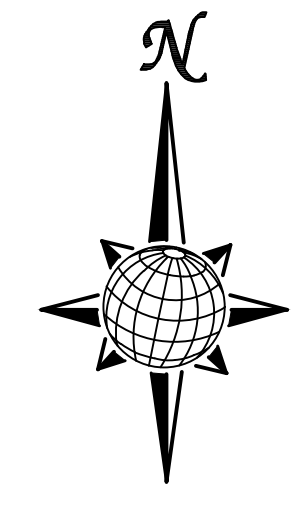
SYMBOL	ACRONYM	DESCRIPTION
		STRAW BALES
		EROSION WATTLES PER DETAIL SHEET 55
		EROSION CONTROL BLANKET PER DETAIL ECB-1 & ECB-2 DCM VOL. 2
	RCP	REINFORCED CONCRETE PIPE
	SF	SILT FENCE PER DETAIL SF-1, SF-2 & SF-3 DCM VOL. 2
	VTC	VEHICLE TRACKING CONTROL PER DETAIL VT-2 DCM VOL. 2
	IP	INLET PROTECTION PER DETAIL SHEET 55
		LIMITS OF GRADING
		EXISTING CONTOUR (10')
		EXISTING CONTOUR (2')
		PROPOSED CONTOUR (10')
		PROPOSED CONTOUR (2')
		GRADE
		LOT NUMBER
		LOT GRADE TYPE



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2)STONEBRIDGE FILING 3 AT MERIDIAN RANCH
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4)STAPLETON DRIVE CONSTRUCTION DRAWINGS
5)GUTHRIE RAW WATER EXTENSION THE VISTAS FILING 1 OFFSITE
6)MERIDIAN RANCH FILING 11
7)VISTAS FILING 1 AT MERIDIAN RANCH

ALL EXISTING BMPs ARE PER THE APPROVED ROUGH GRADING PLAN FOR WINDINGWALK AT MERIDIAN RANCH (PCD FILE NO 17-001) APPROVED ON MARCH 6, 2018.

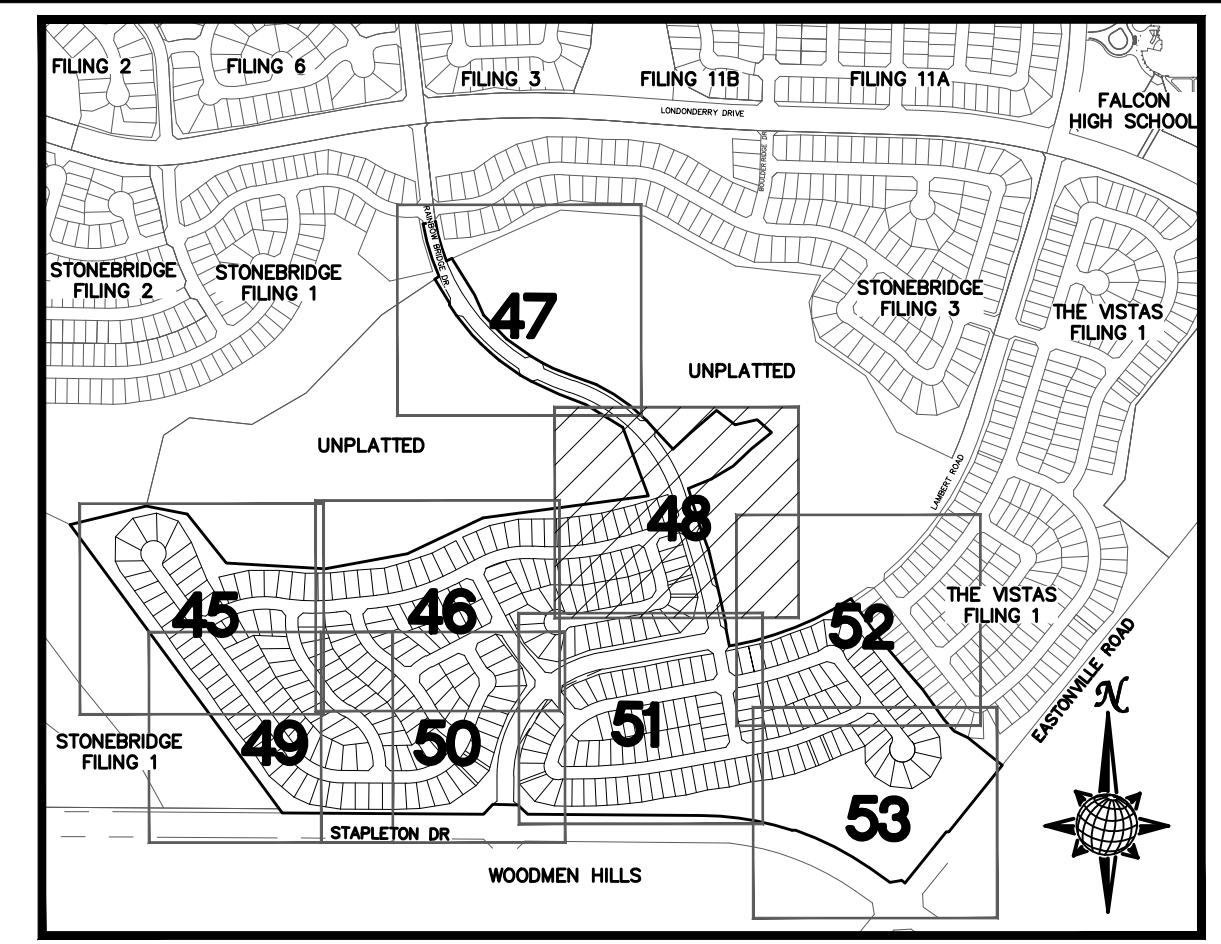


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(SEE COVER FOR LIST OF UTILITY CONTACTS)

SEE SHEET 48

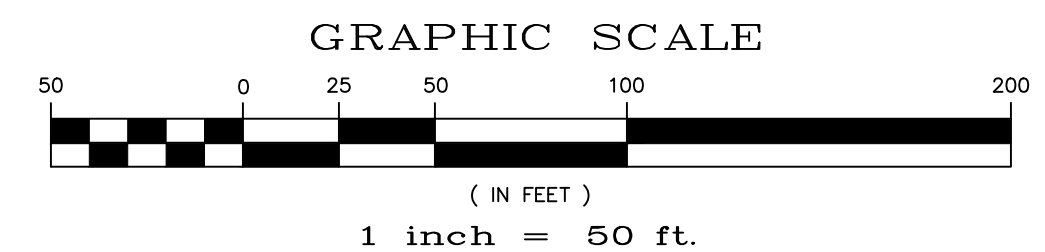
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457	MERIDIAN RANCH	WINDINGWALK FI AT MERIDIAN RANCH GRADING/EROSION CONTROL PLAN	PLAN SHEET	No. Revisions Date Init. Appr. Date
Drawn by LOG	Checked by TAK	Date MAY 2018	Scale AS SHOWN	47 of 55



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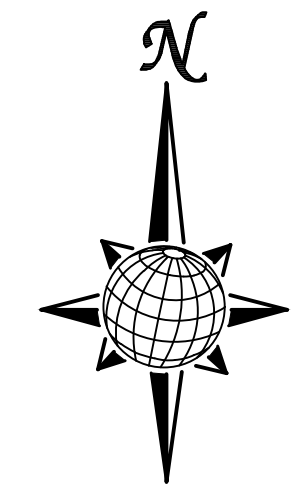
SYMBOL	ACRONYM	DESCRIPTION
		STRAW BALES
		EROSION WATTLES PER DETAIL SHEET 55
		EROSION CONTROL BLANKET PER DETAIL ECB-1 & ECB-2 DCM VOL. 2
	RCP	REINFORCED CONCRETE PIPE
	SF	SILT FENCE PER DETAIL SF-1, SF-2 & SF-3 DCM VOL. 2
	VTG	VEHICLE TRACKING CONTROL PER DETAIL VT-2 DCM VOL. 2
	IP	INLET PROTECTION PER DETAIL SHEET 55
		LIMITS OF GRADING
		EXISTING CONTOUR (10')
		EXISTING CONTOUR (2')
		PROPOSED CONTOUR (10')
		PROPOSED CONTOUR (2')
	2.00%	GRADE
	75	LOT NUMBER
	A	LOT GRADE TYPE



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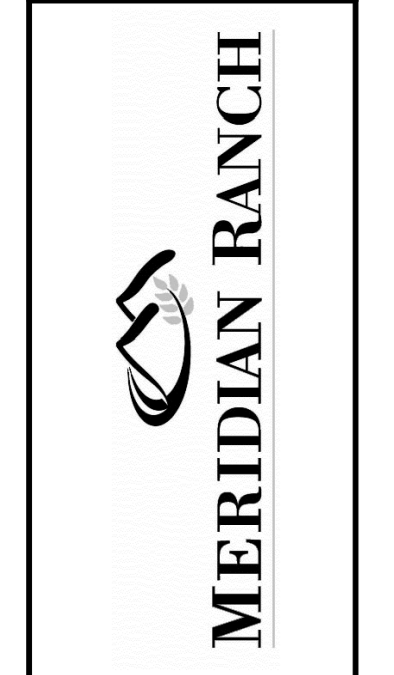
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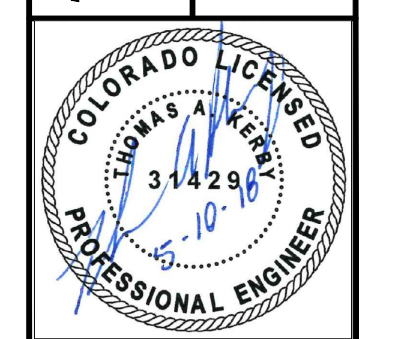
No.	Revisions	Date	Appr.

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



WINDINGWALK F1 AT MERIDIAN RANCH
GRADING-EROSION CONTROL PLAN
PLAN SHEET

Drawn by	LOG	Checked by	TAK	Date	MAY 2018
Scale	AS SHOWN	48 of	55		

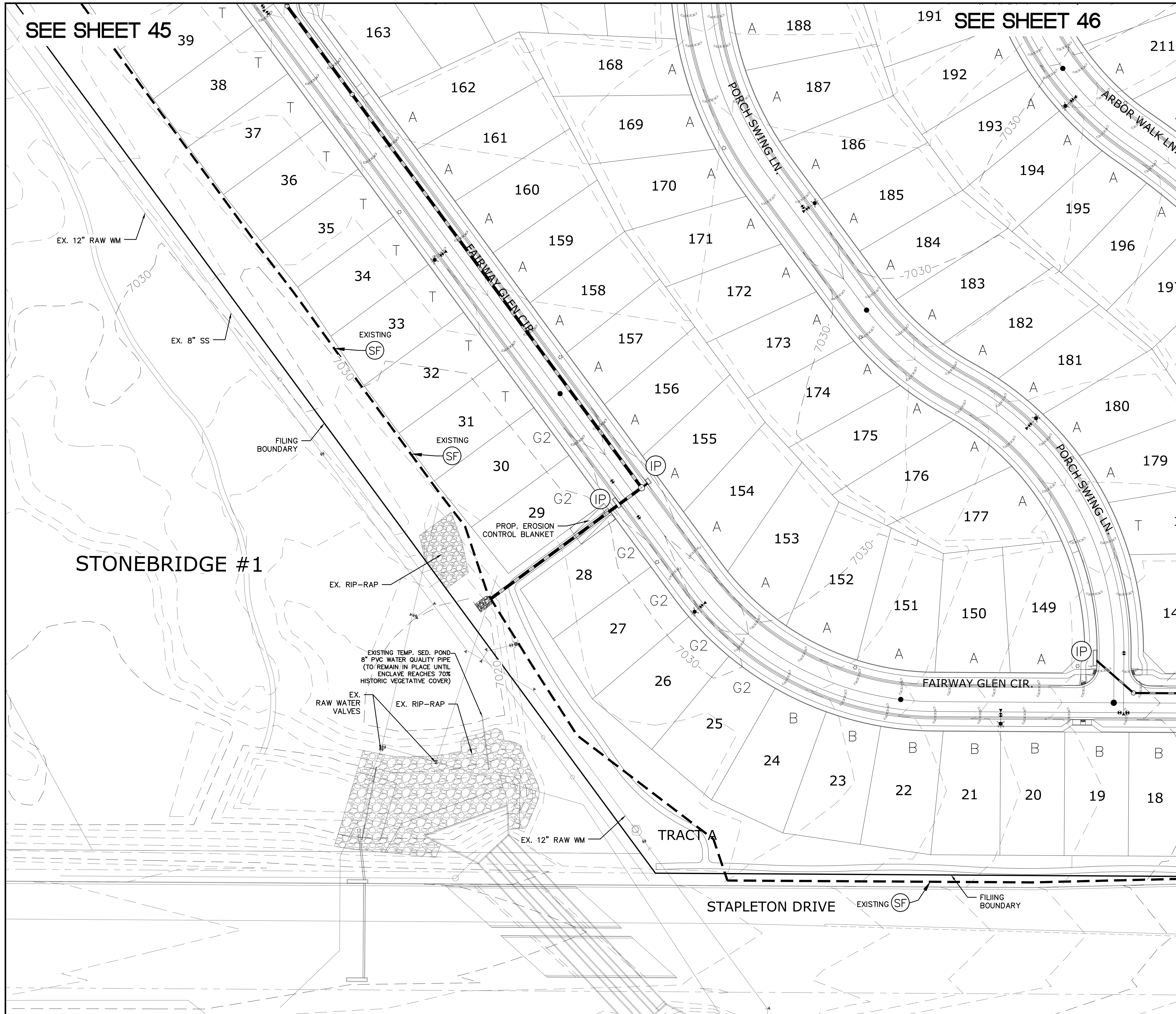


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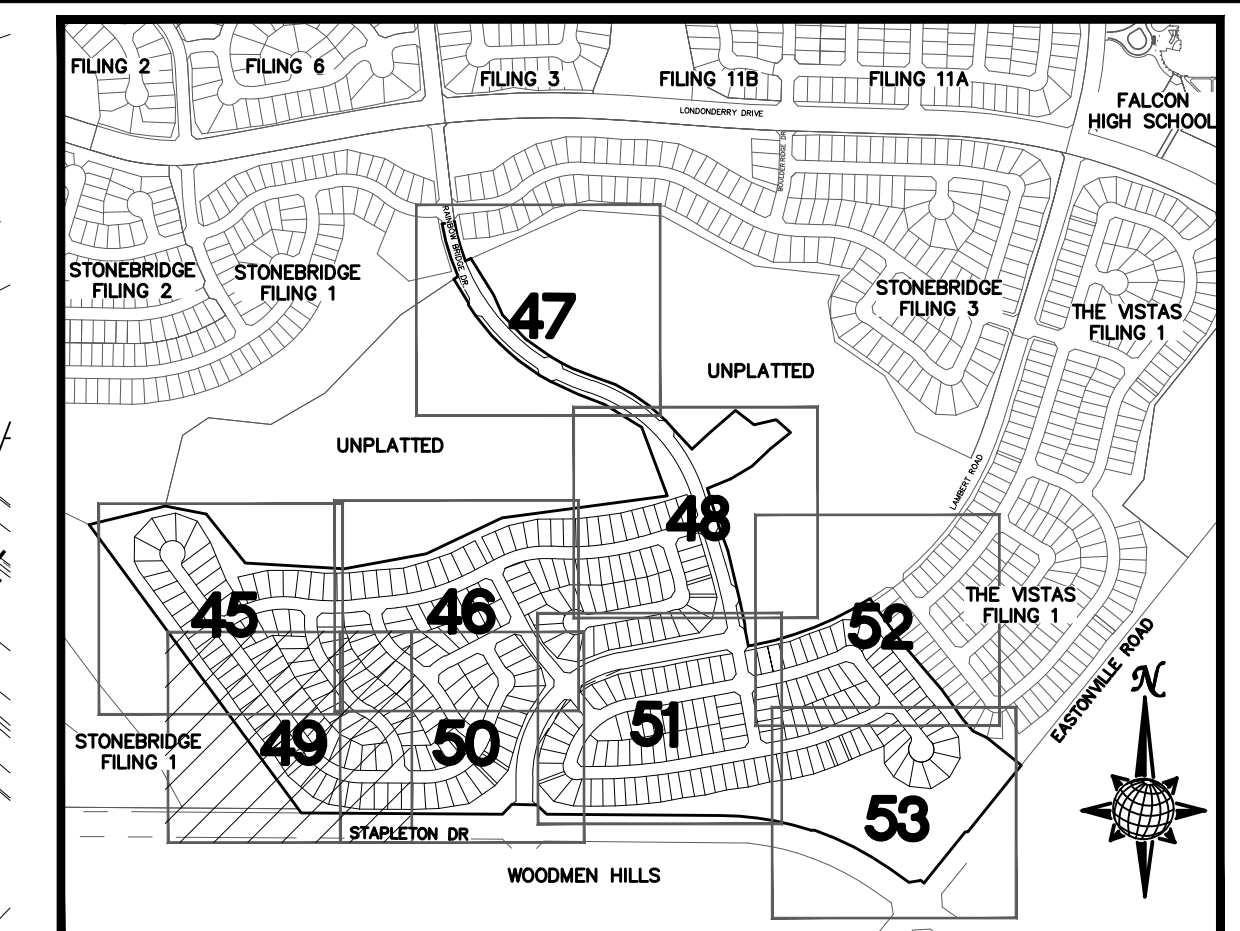
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9 SEE SHEET 51



SEE SHEET 45

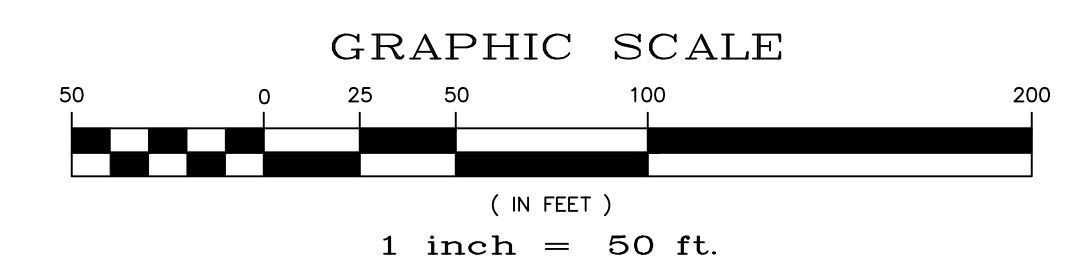
SEE SHEET 46



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N.T.S.

LEGEND

SYMBOL	ACRONYM	DESCRIPTION
		STRAW BALES
		EROSION WATTLES PER DETAIL SHEET 55
		EROSION CONTROL BLANKET PER DETAIL ECB-1 & ECB-2 DCM VOL. 2
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	SF	SILT FENCE PER DETAIL SF-1, SF-2 & SF-3 DCM VOL. 2
	UTC	VEHICLE TRACKING CONTROL PER DETAIL VT-2 DCM VOL. 2
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		LIMITS OF GRADING
		EXISTING CONTOUR (10')
		EXISTING CONTOUR (2')
		PROPOSED CONTOUR (10')
		PROPOSED CONTOUR (2')
		2.00% GRADE
		75 LOT NUMBER
		A LOT GRADE TYPE



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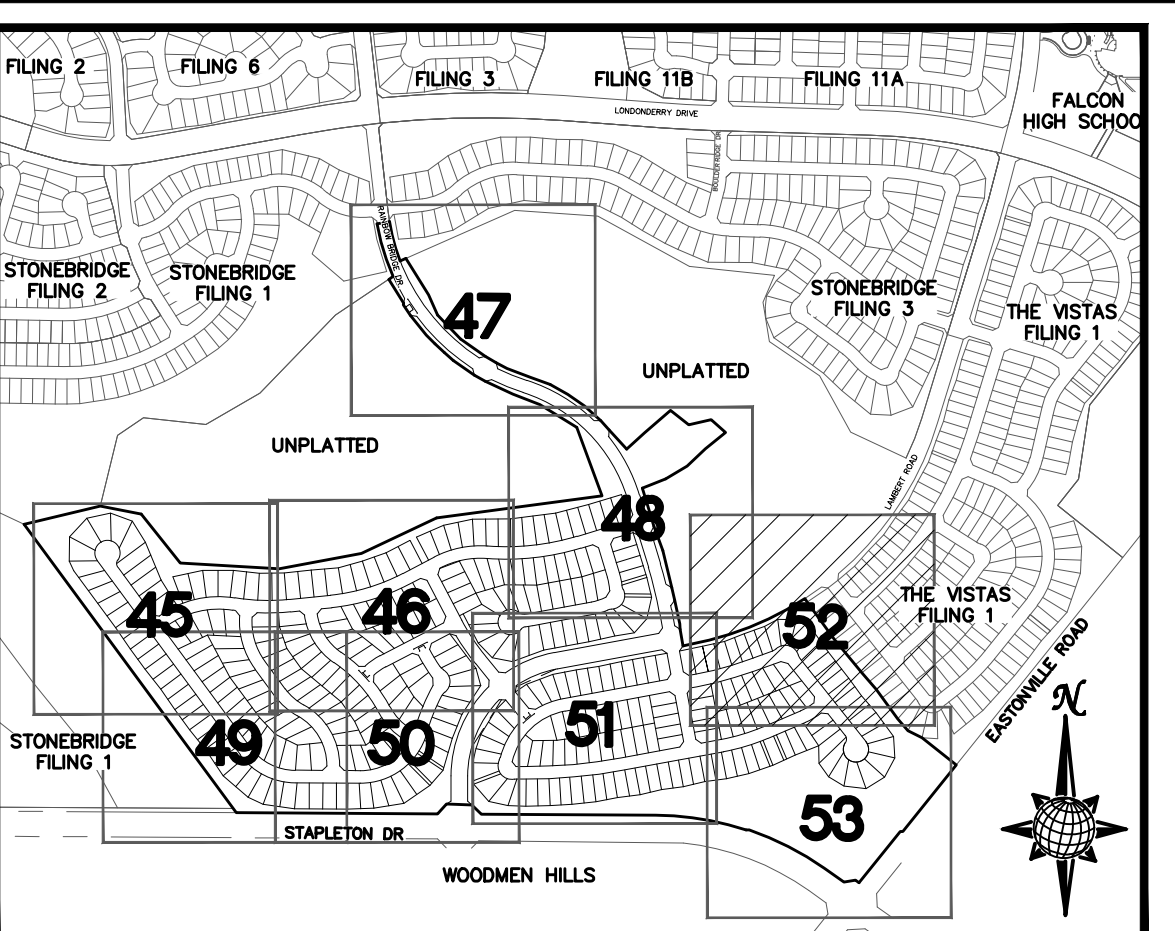
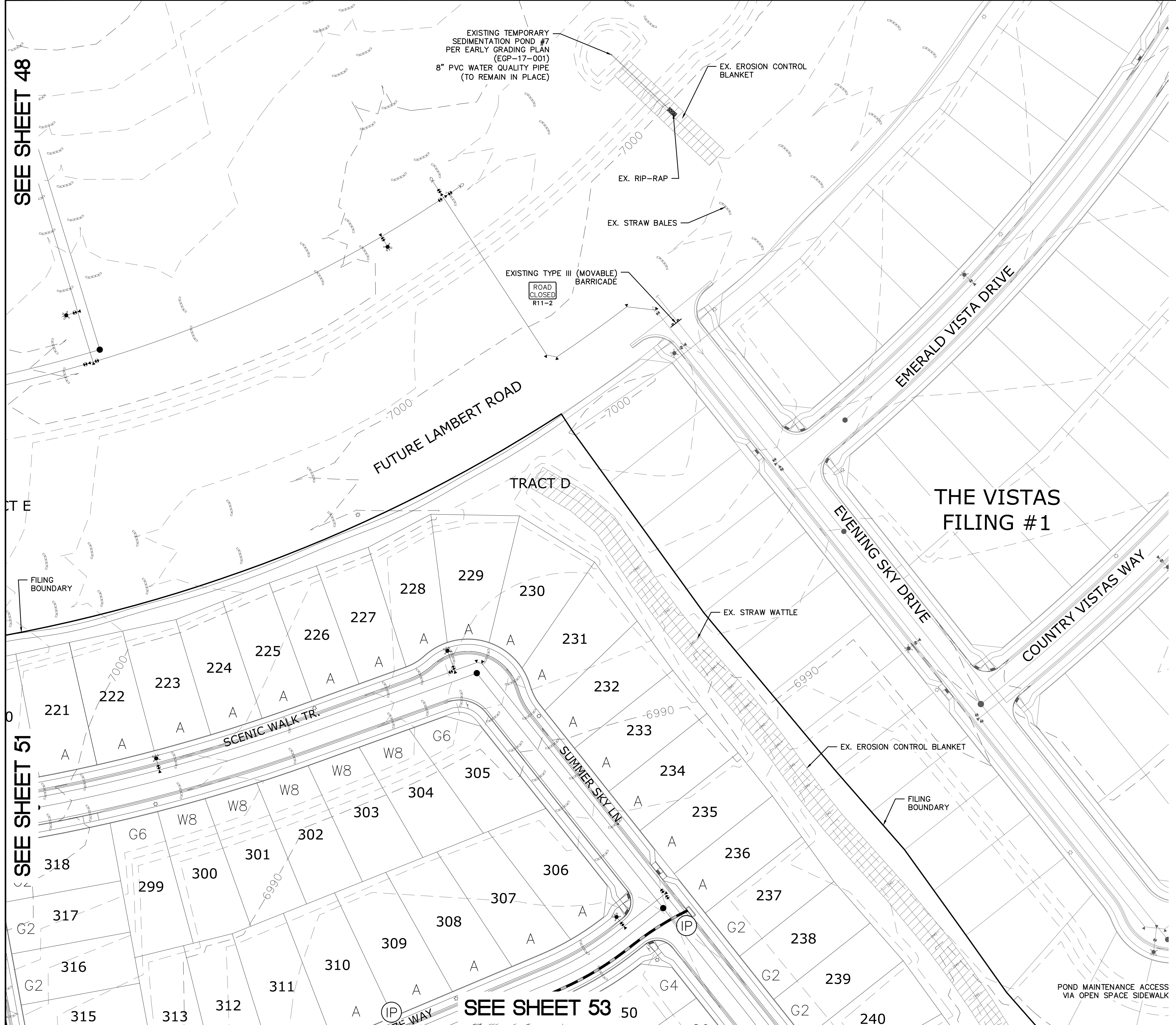
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SEE SHEET 50

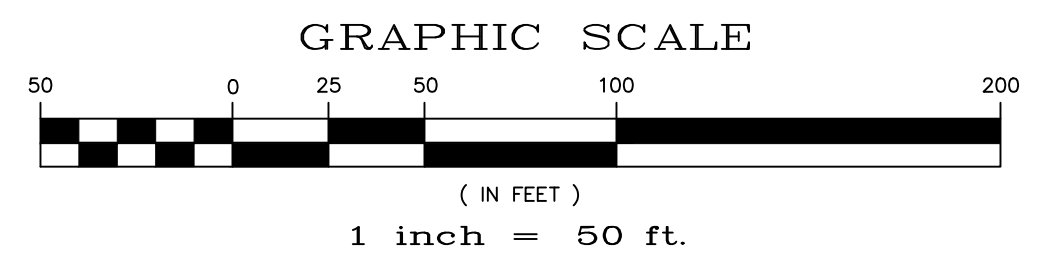
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Scale	AS SHOWN	49 of	55		
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WINDINGWALK F1 AT MERIDIAN RANCH GRADING-EROSION CONTROL PLAN PLAN SHEET					
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
No.	Revisions	Date	Init.	Appr.	Date



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N.T.S.

LEGEND

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		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
	VT	VEHICLE TRACKING CONTROL PER DETAIL VT-2 DCM VOL. 2
	IP	INLET PROTECTION PER DETAIL SHEET 55
		LIMITS OF GRADING
		EXISTING CONTOUR (10')
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		PROPOSED CONTOUR (2')
		GRADE
		LOT NUMBER
		LOT GRADE TYPE



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No.	Revisions	Date	Init.	Appr.	Date

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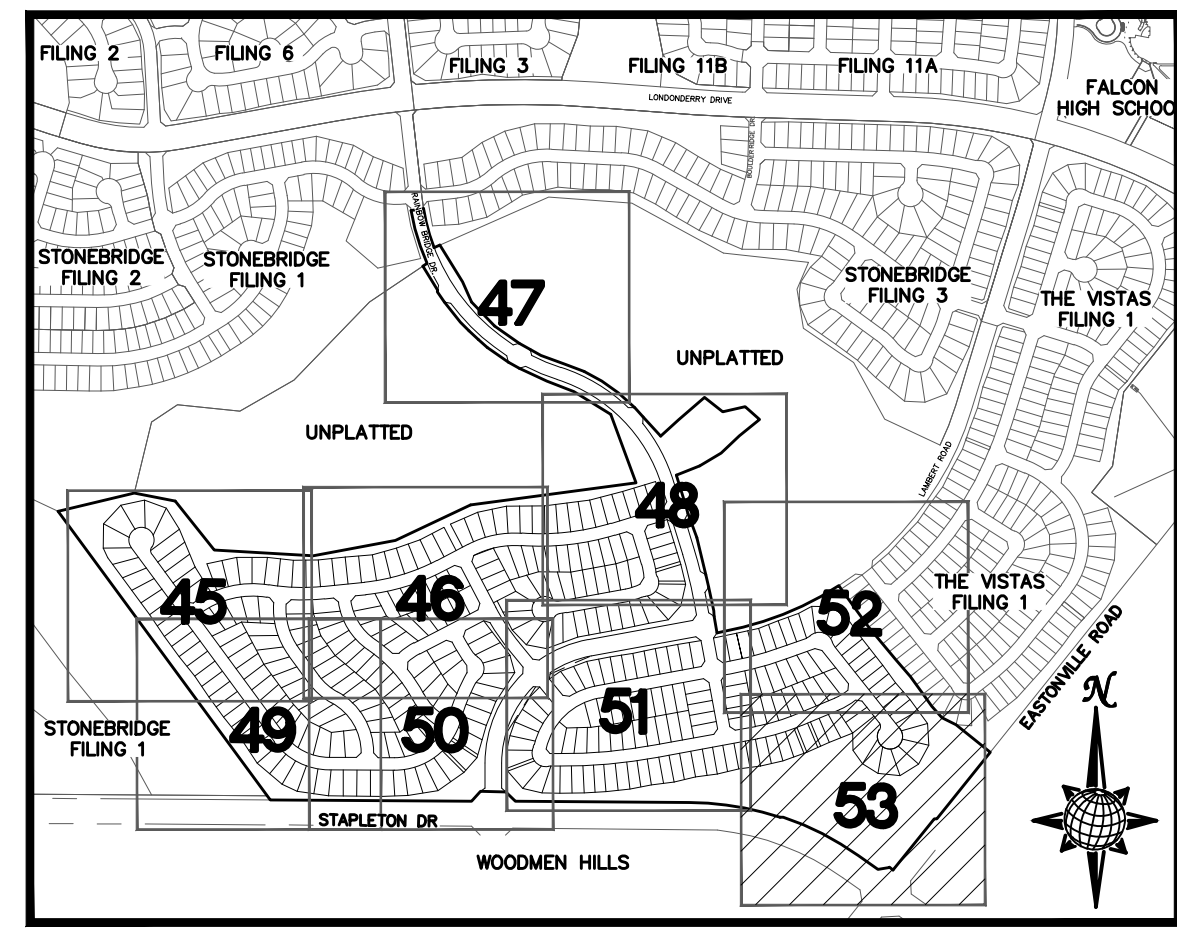
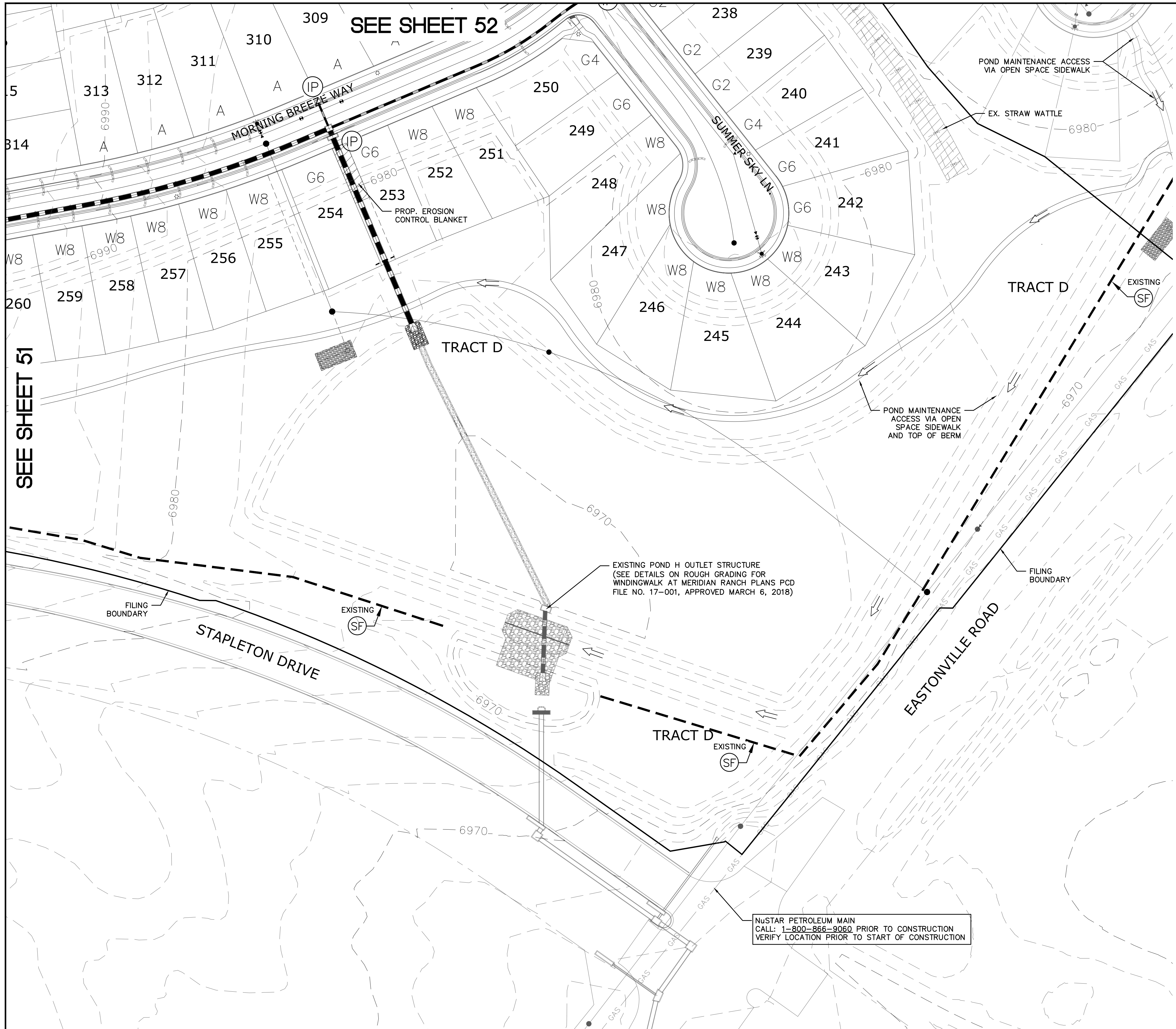
SEE SHEET 51

SEE SHEET 53

POND MAINTENANCE ACCESS VIA OPEN SPACE SIDEWALK

EPC 6/14/18

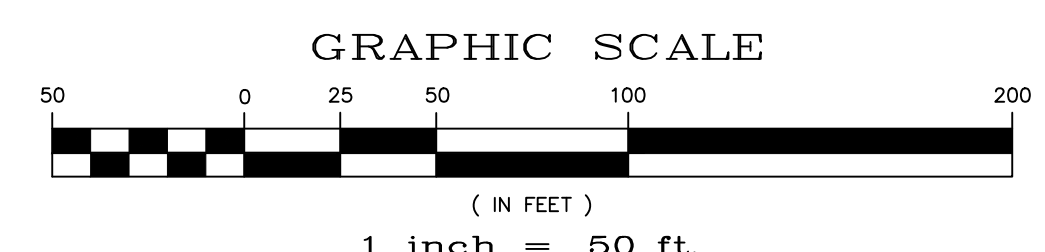
PCD PROJECT NO. SF-18-002



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LEGEND

SYMBOL	ACRONYM	DESCRIPTION
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		EROSION WATTLES PER DETAIL SHEET 55
		EROSION CONTROL BLANKET PER DETAIL ECB-1 & ECB-2 DCM VOL. 2
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	SF	SILT FENCE PER DETAIL SF-1, SF-2 & SF-3 DCM VOL. 2
	VT	VEHICLE TRACKING CONTROL PER DETAIL VT-2 DCM VOL. 2
	IP	INLET PROTECTION PER DETAIL SHEET 55
		LIMITS OF GRADING
		EXISTING CONTOUR (10')
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		PROPOSED CONTOUR (10')
		PROPOSED CONTOUR (2')
		GRADE
		LOT NUMBER
		LOT GRADE TYPE



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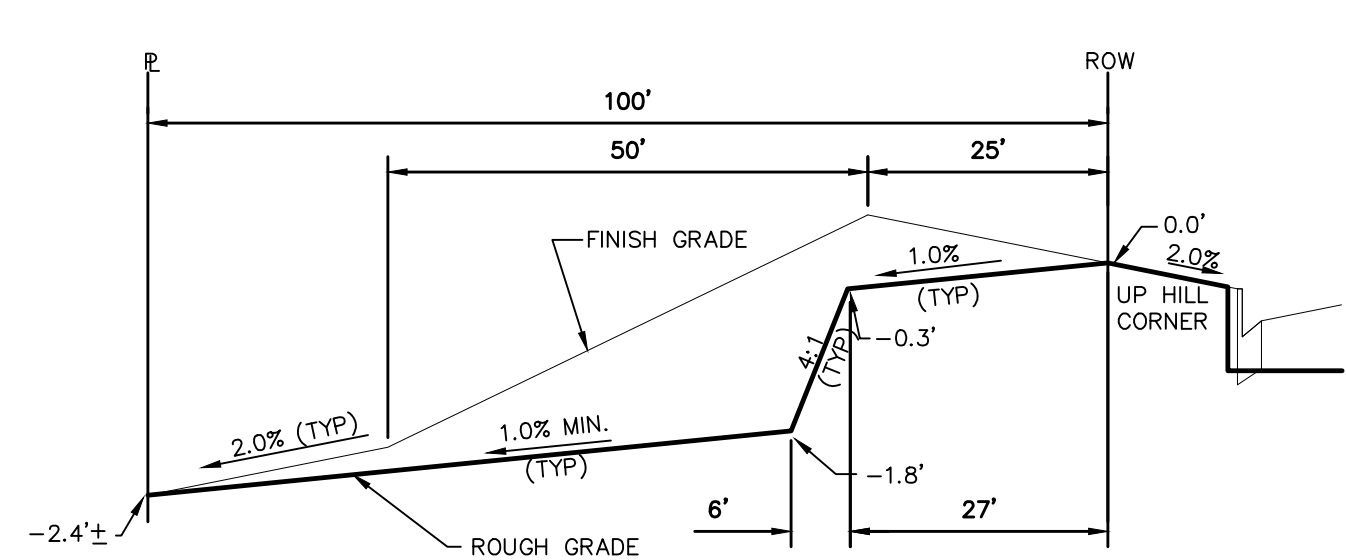


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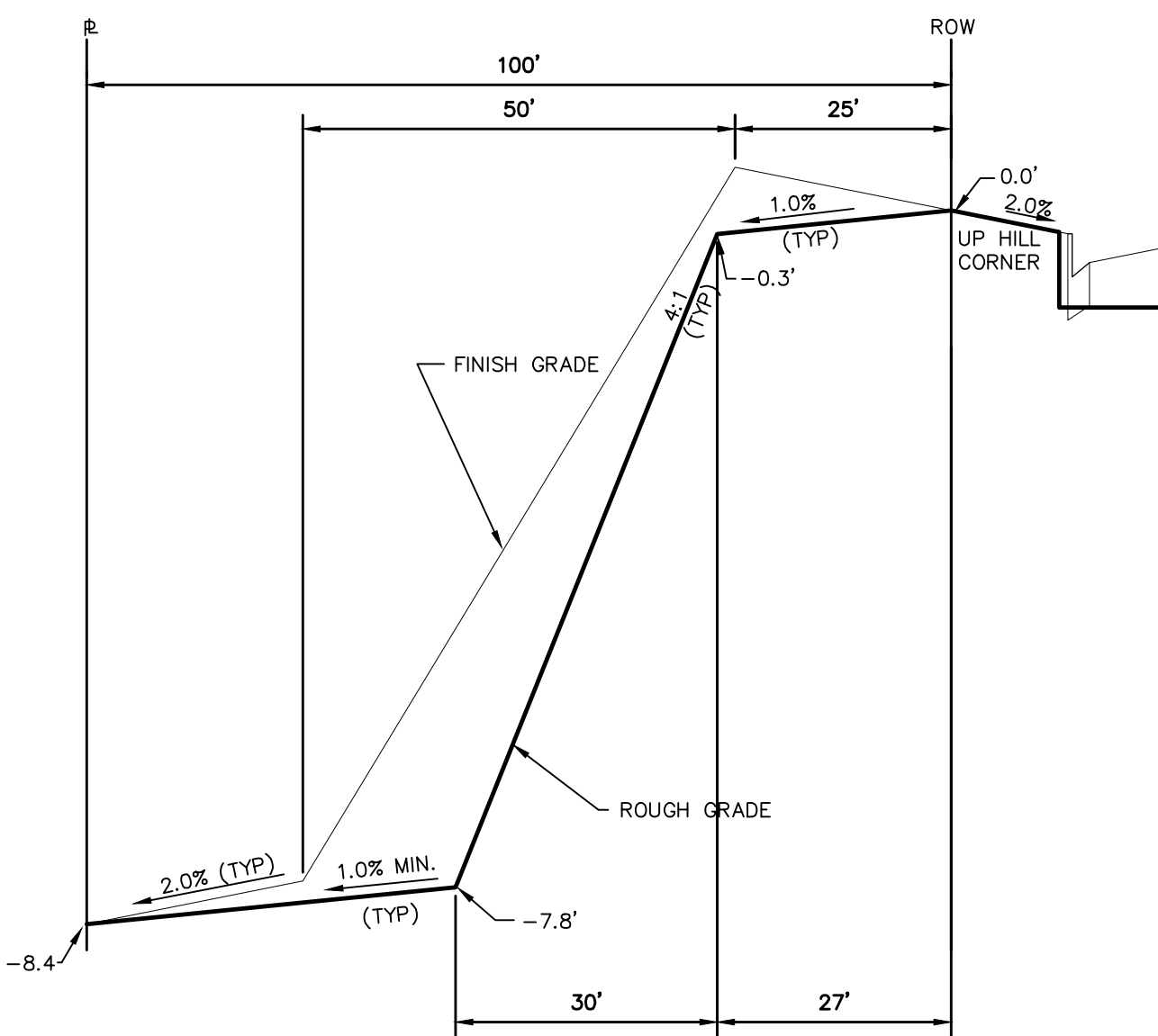
Drawn by LOG	Checked by TAK	Date MAY 2018
Scale AS SHOWN	53 of 55	
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No.	Revisions	Date / Init. / Appr.

SEE SHEET 51

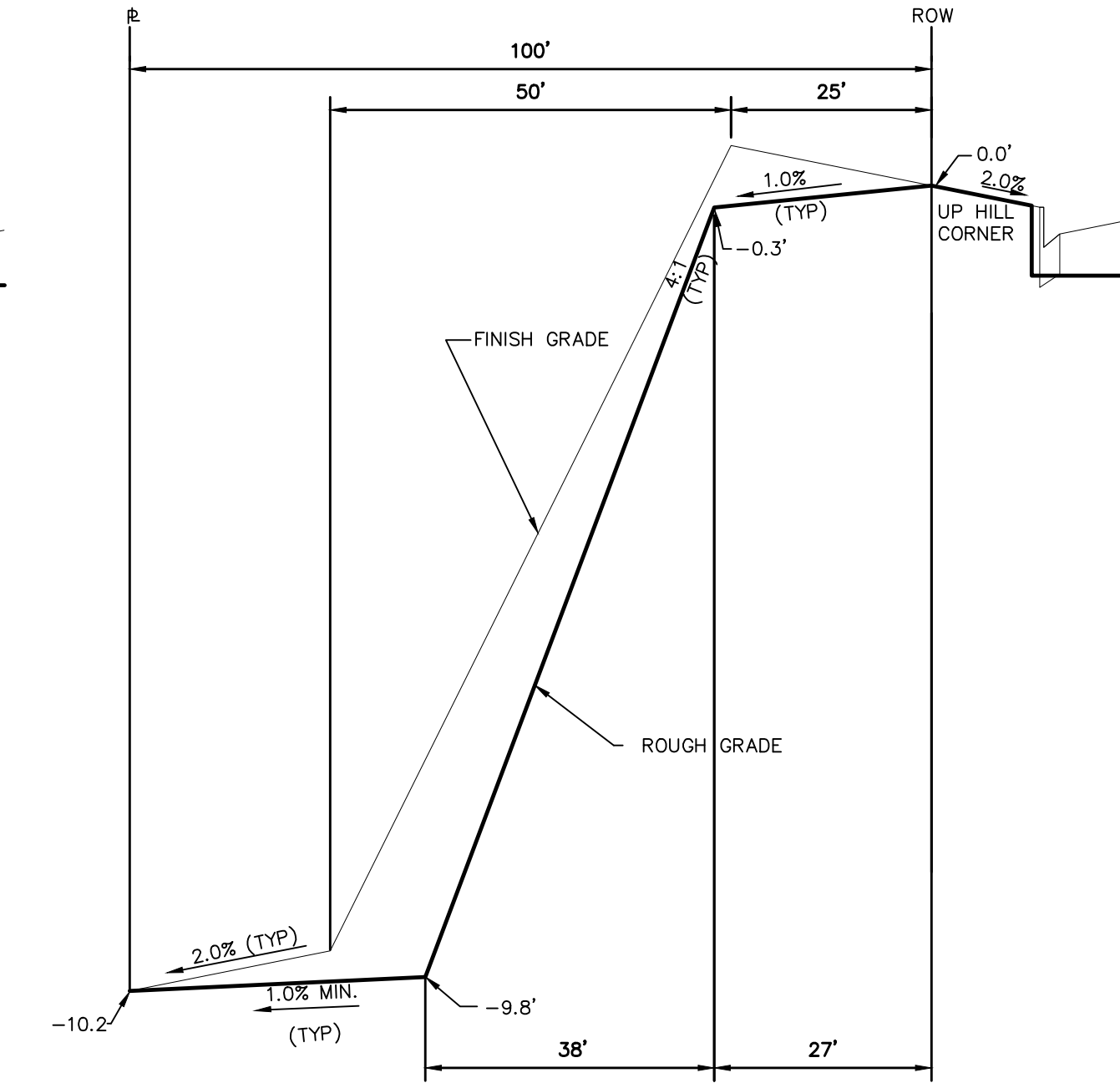
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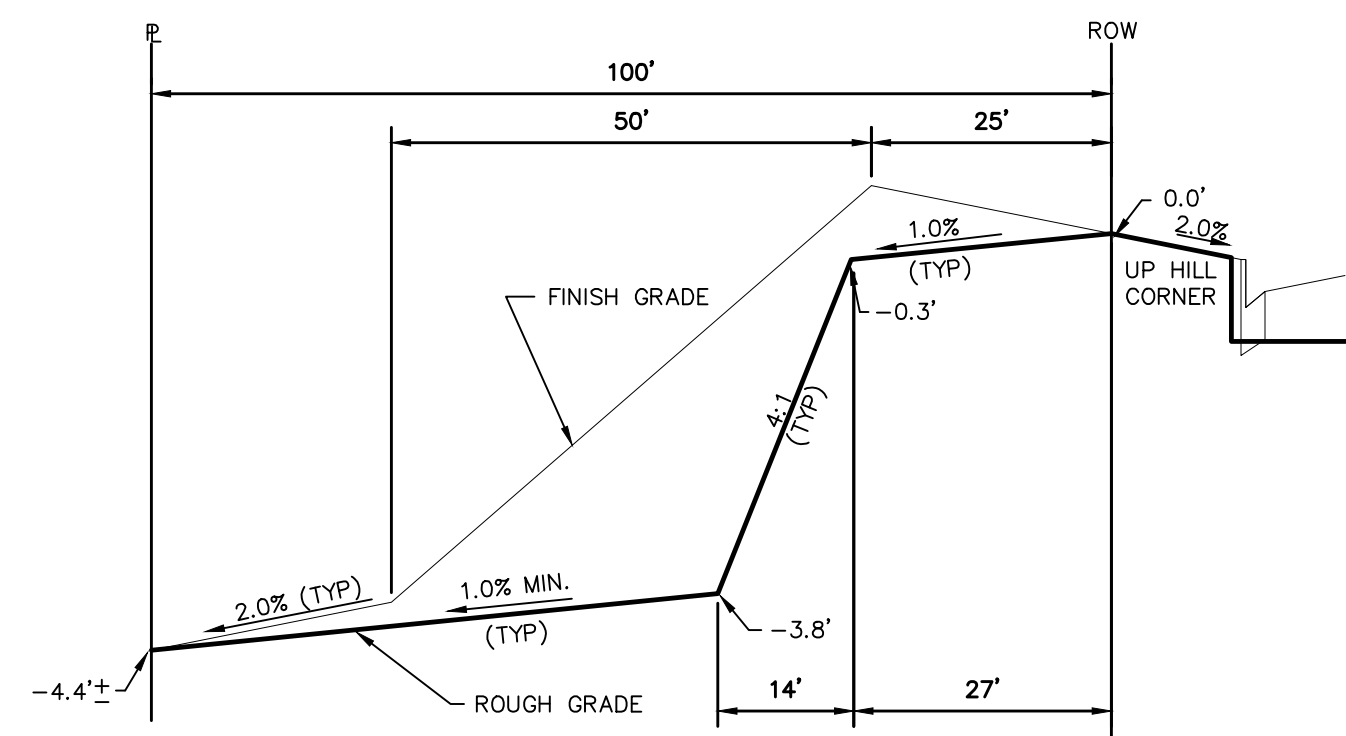
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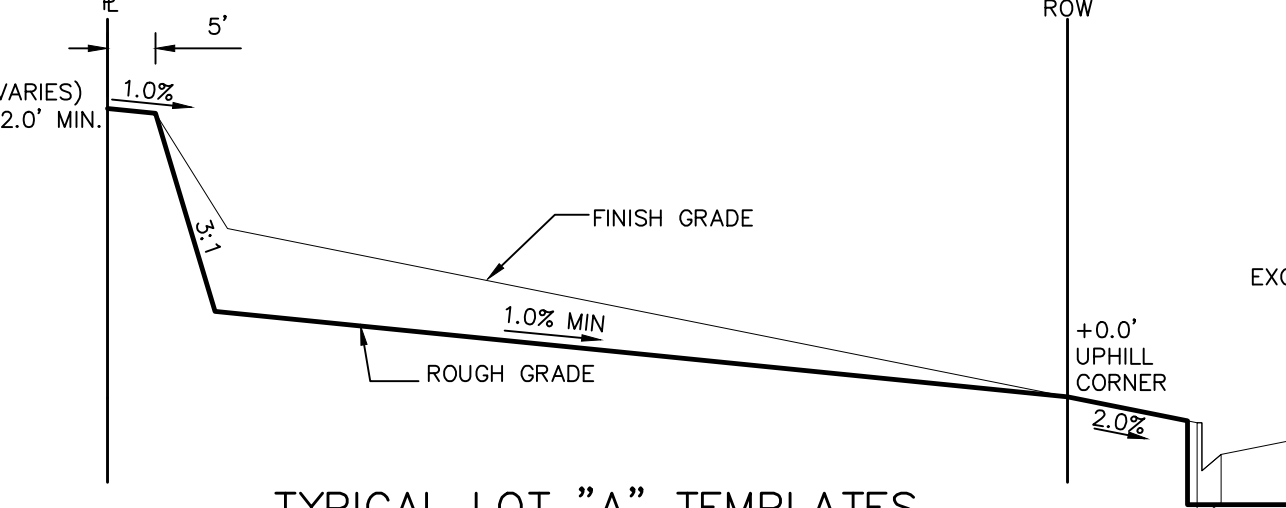
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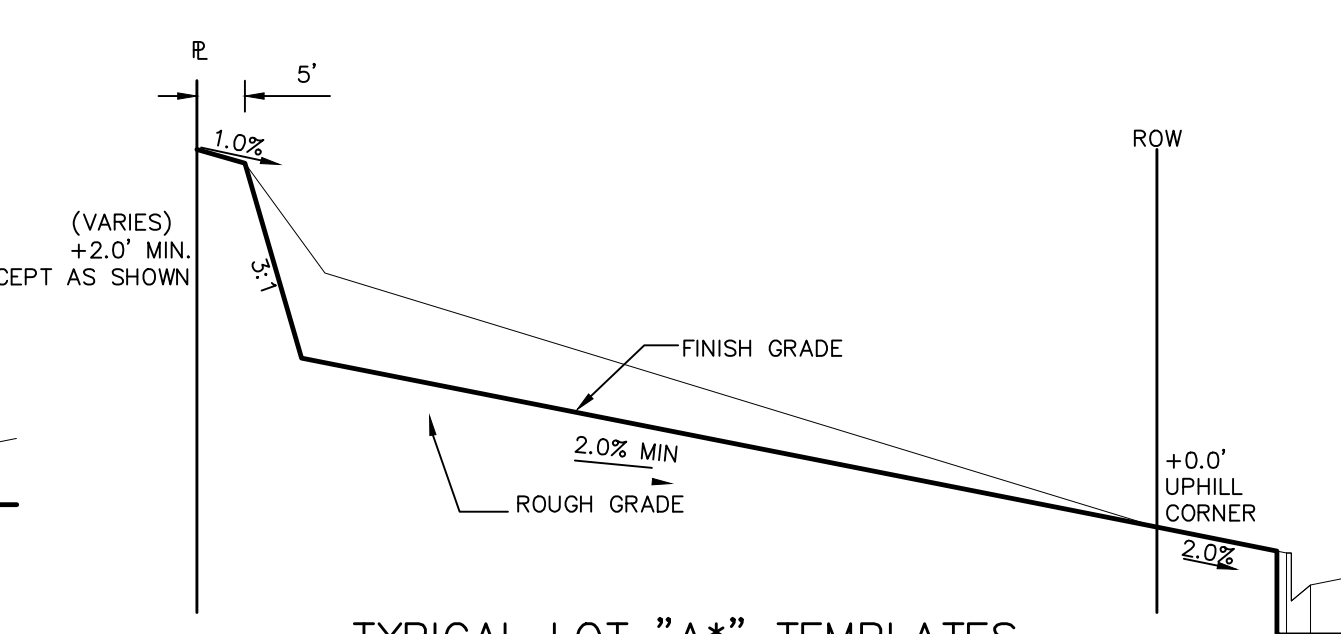
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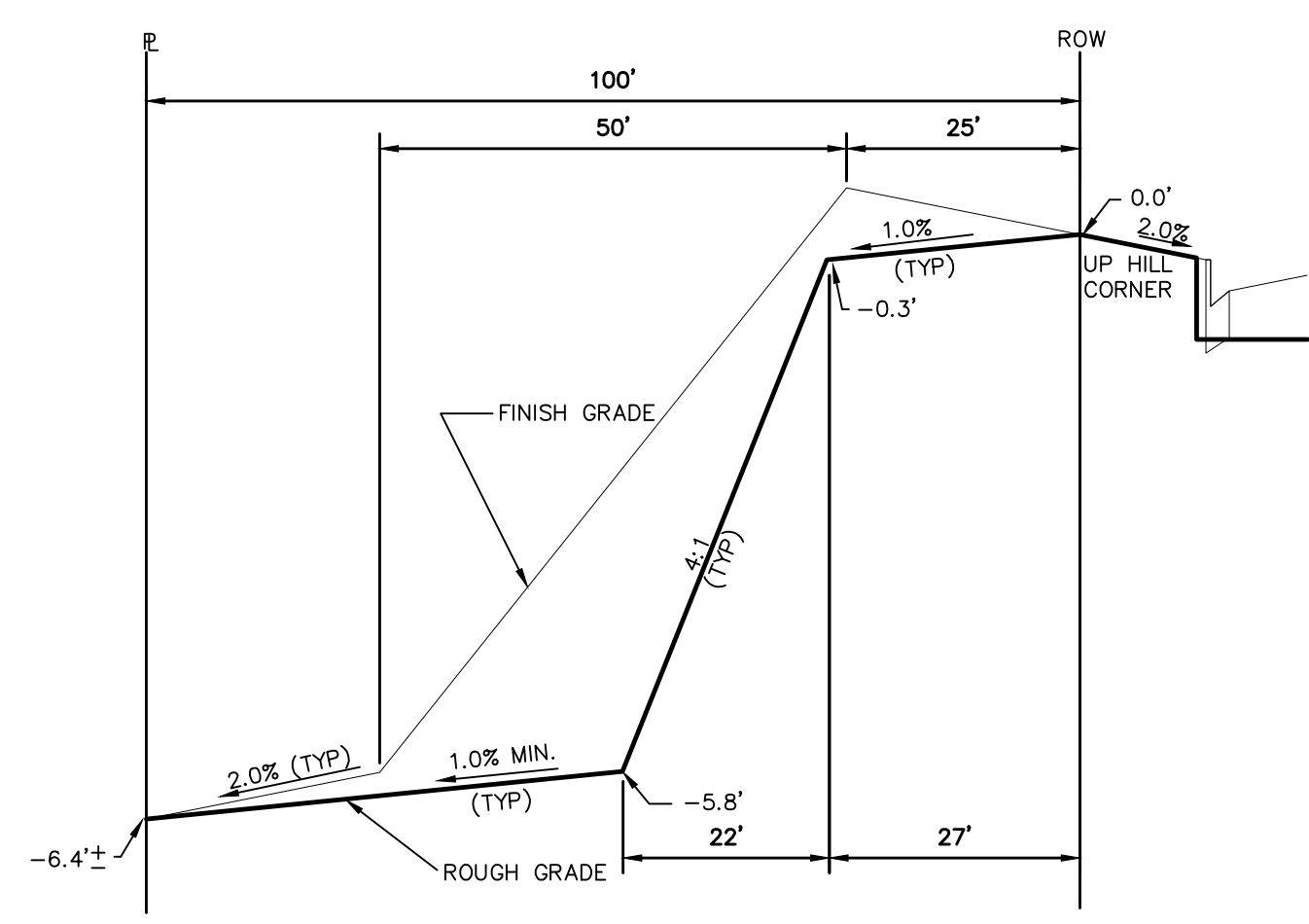
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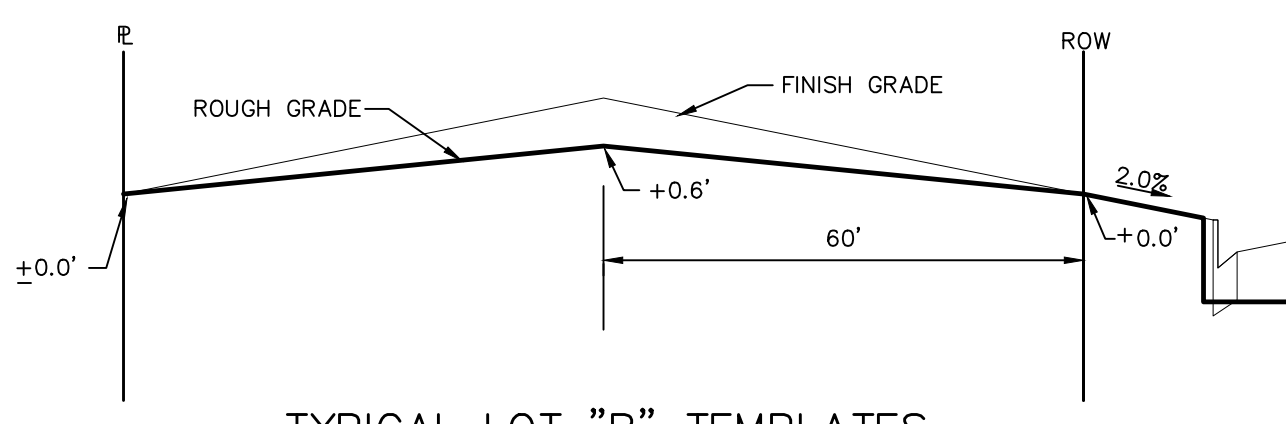
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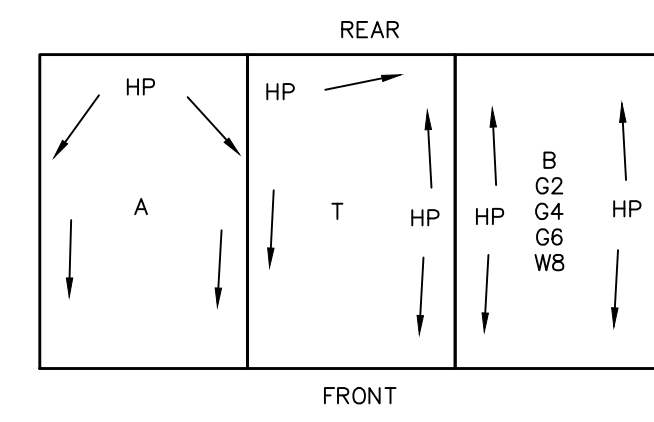
TYPICAL LOT "A*" TEMPLATES
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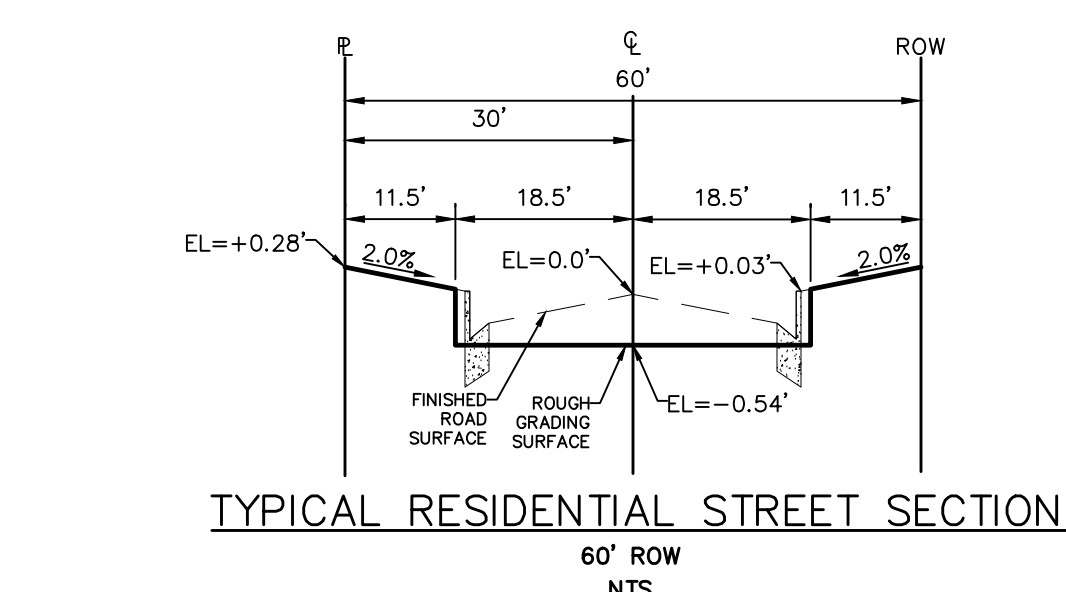
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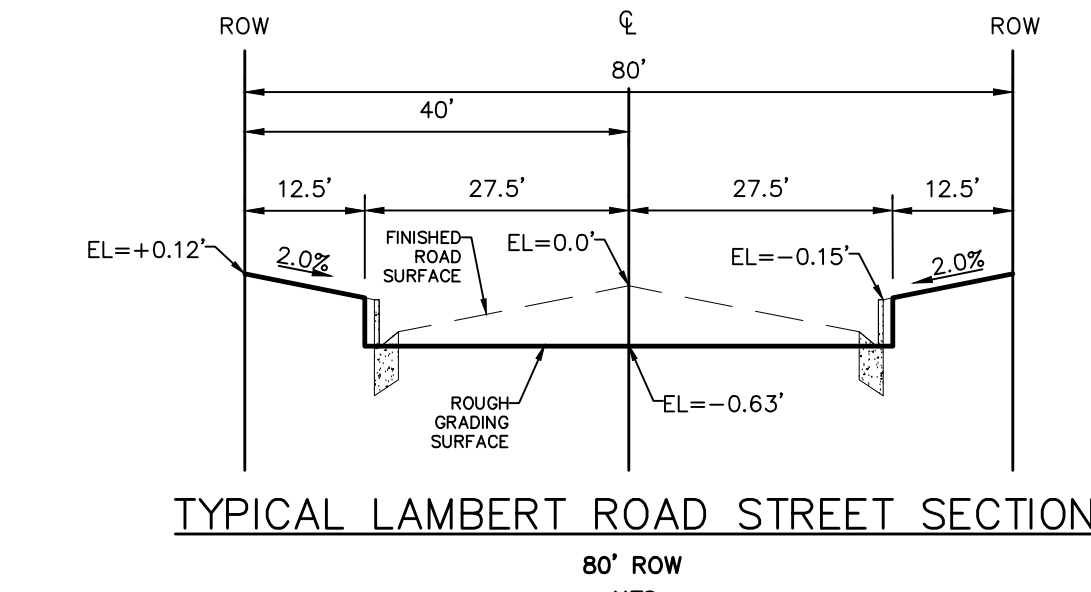
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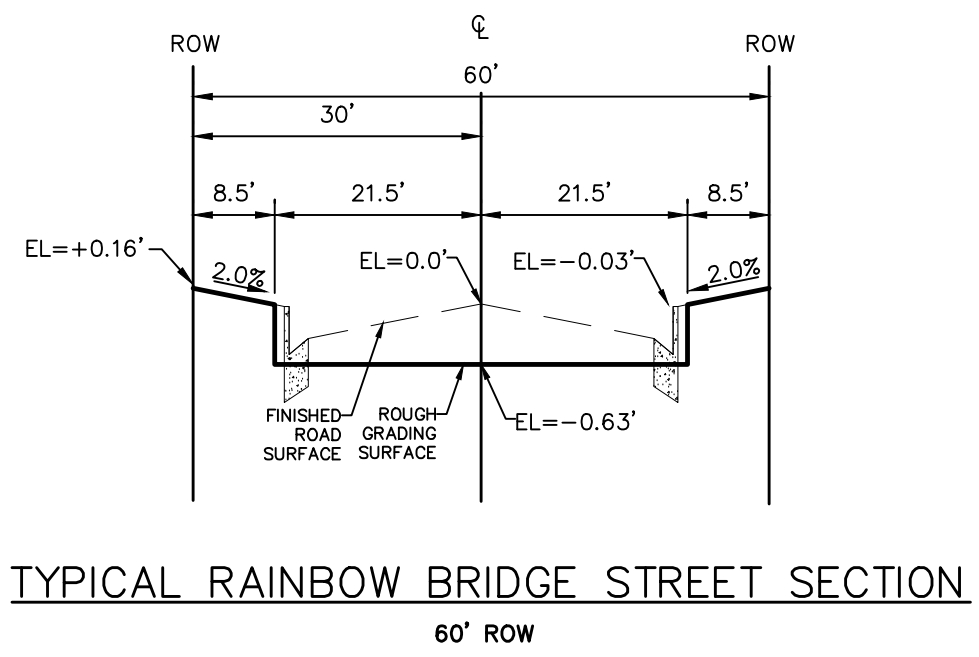
TYPICAL DRAINAGE PATTERN
NTS



TYPICAL RESIDENTIAL STREET SECTION
60' ROW
NTS



TYPICAL LAMBERT ROAD STREET SECTION
80' ROW
NTS



TYPICAL RAINBOW BRIDGE STREET SECTION
60' ROW
NTS

STEPS FOR CONSTRUCTION

THE ANTICIPATED START FOR THIS PROJECT IS MARCH 2018 WITH AN ANTICIPATED COMPLETION DATE OF MAY 2019. BELOW IS A BRIEF OUTLINE OF THE CONSTRUCTION SEQUENCE FOR THIS PROJECT.

- * INSTALL INITIAL BMP'S
- * CONSTRUCTION OF DITCHES AND EROSION CONTROL STRUCTURES
- * ROUGH GRADING OF LOTS AND ROADS
- * 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.

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.

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-SEEDDED 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.

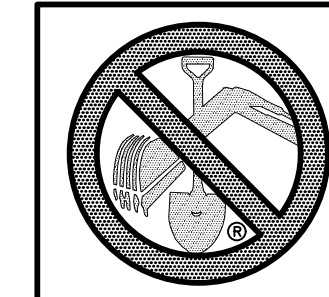
REVEGETATION AND SEEDING

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.

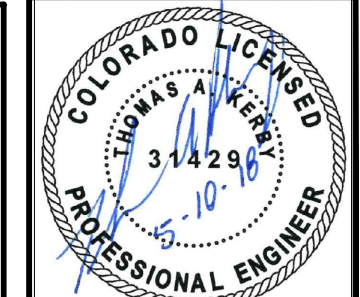
BELOW IS THE ACCEPTED GRASS MIX FOR SANDY SOILS:

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 DROPSSEED	NATIVE	0.5
SWITCH GRASS	NEBRASKA	3.0
WEEPING LOVE GRASS	MORPHA	1.0

EPC 6/14/18



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



No.	Revisions	Date	Appr.

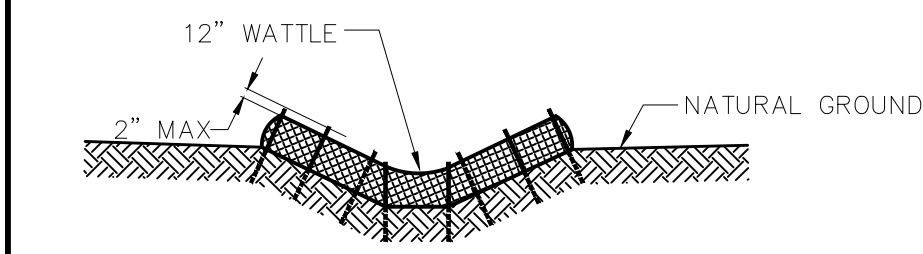
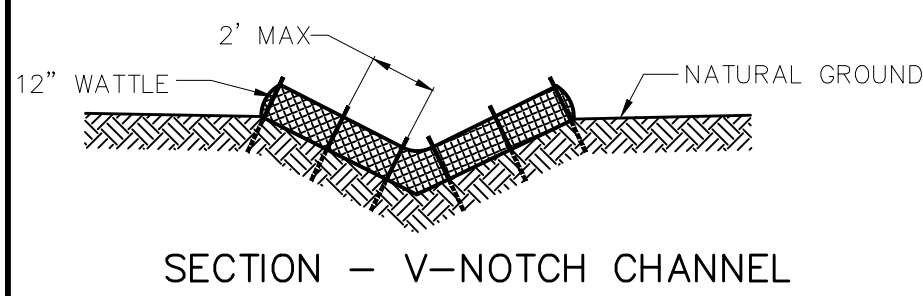
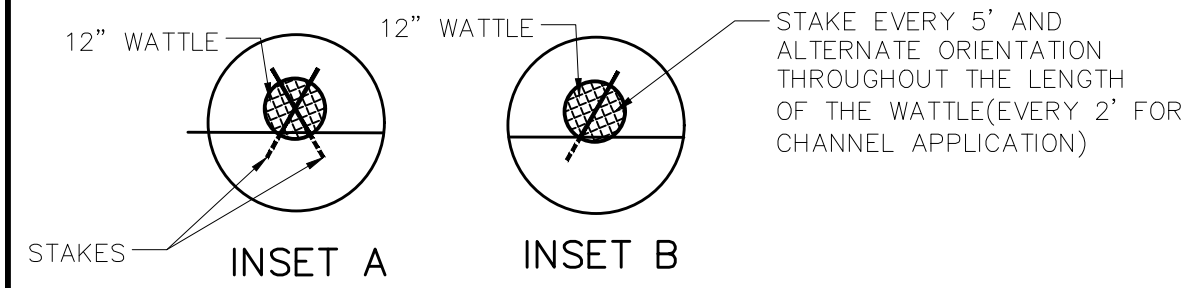
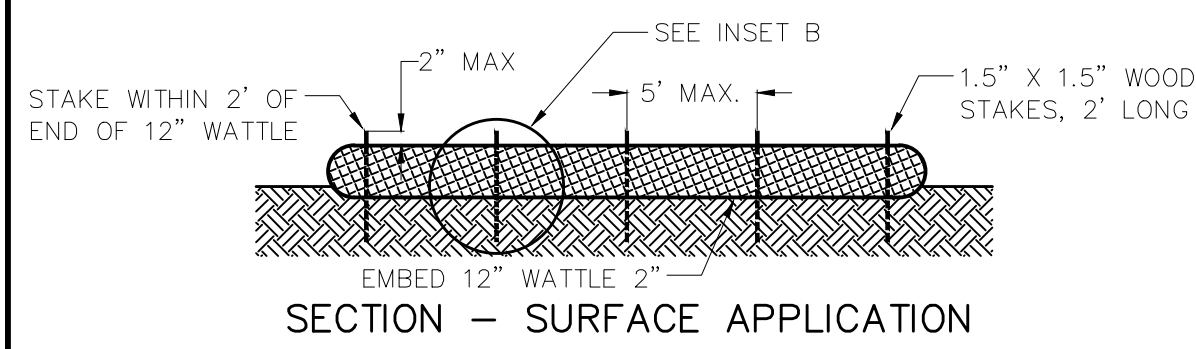
TECH CONTRACTORS
11886 STAPLETON DRIVE
FALCON, CO 80831
TELEPHONE: 719.495.7444
FAX: 719.495.2457



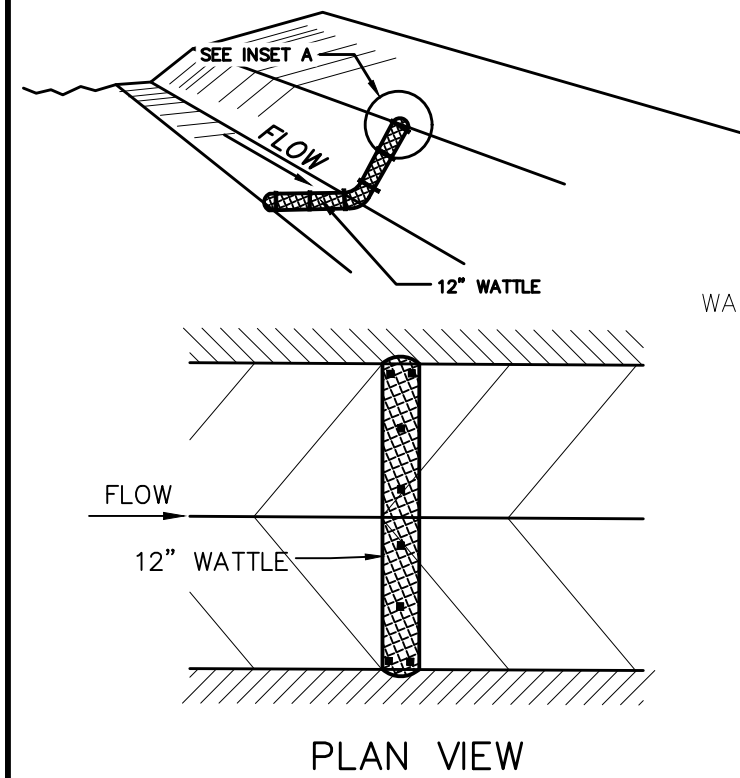
WINDINGWALK FI AT MERIDIAN RANCH
GRADING-EROSION CONTROL PLAN
DETAIL SHEET

Drawn by	Checked by	Date
LOG <td>TAK</td> <td>MAY 2018</td>	TAK	MAY 2018

Scale
AS SHOWN
54 of 55



SECTION - TRAPAZOIDAL CHANNEL



- NOTES:
- USE 2 FT WOODEN STATES WITH A 1.5 IN BY 1.5 IN NOMINAL CROSS SECTION.
 - ONLY INSTALL 12" WATTLES TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES OR AS DIRECTED.
 - REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES ONE HALF OF THE EXPOSED LOG HEIGHT. INSPECTIONS SHALL BE PERFORMED FREQUENTLY FOR PROPER FUNCTION.
 - WHEN MORE THAN ONE EROSION LOG IS NEEDED, ENDS MUST BE TIGHTLY ABUTTED.
 - WATTLES MAY ALSO BE USED ACROSS LONG SLOPES TO REDUCE EROSION AND SEDIMENT VOLUME.
 - STRAW WATTLES MAY BE USED IN LIEU OF STRAW BALES AND/OR SILT FENCE WITH APPROVAL THE COUNTY, OWNER, ENGINEER, AND SWMP ADMINISTRATOR.

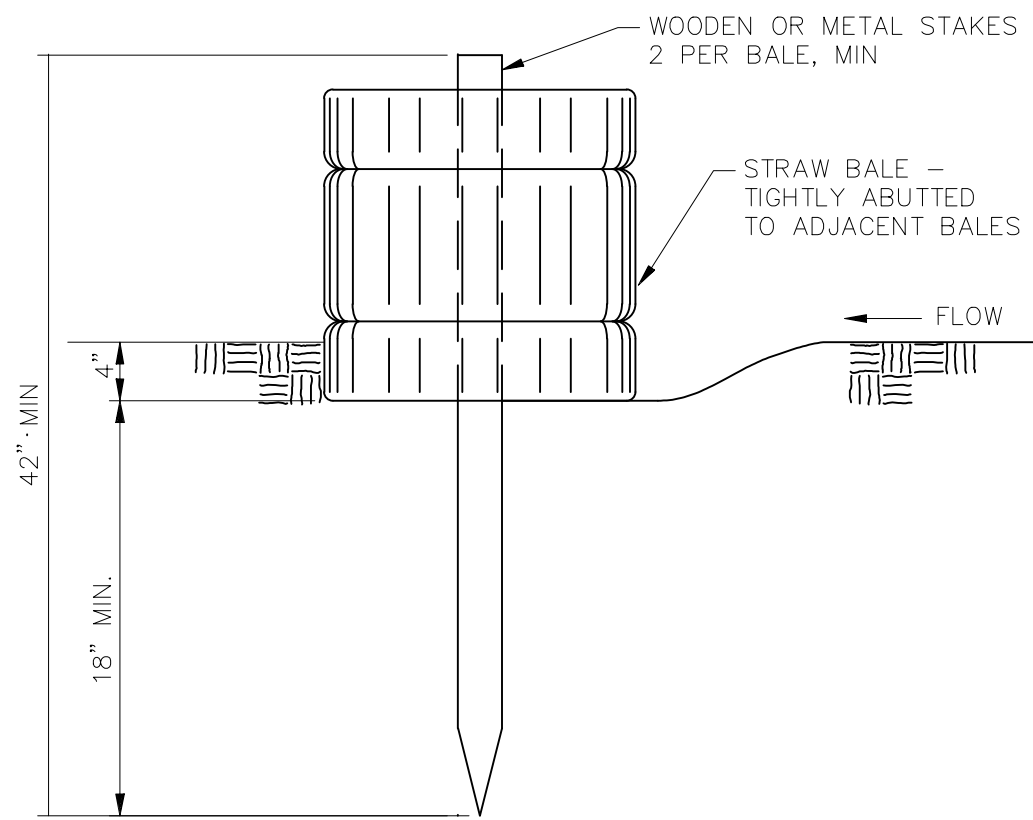
STRAW BALE BARRIER NOTES

INSTALLATION REQUIREMENTS

- STRAW BALE BARRIERS SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- BALES SHALL CONSIST OF APPROXIMATELY 5 CUBIC FEET OF CERTIFIED WEED FREE HAY OR STRAW AND WEIGH NOT LESS THAN 35 POUNDS.
- BALES ARE TO BE PLACED IN A SINGLE ROW WITH THE END OF THE BALES TIGHTLY ABUTTING ONE ANOTHER.
- 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.
- STAKES ARE TO BE A MINIMUM OF 42 INCHES LONG. METAL STAKES SHALL BE STANDARD "T" 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.
- 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.
- GAPS BETWEEN BALES ARE TO BE CHINKED (FILLED BY WEDGING) WITH STRAW OR THE SAME MATERIAL OF THE BALE.
- END BALES ARE TO EXTEND UPSLOPE SO THE TRAPPED RUNOFF CANNOT FLOW AROUND THE ENDS OF THE BARRIER.

MAINTENANCE REQUIREMENTS

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



STRAW BALE BARRIER NTS

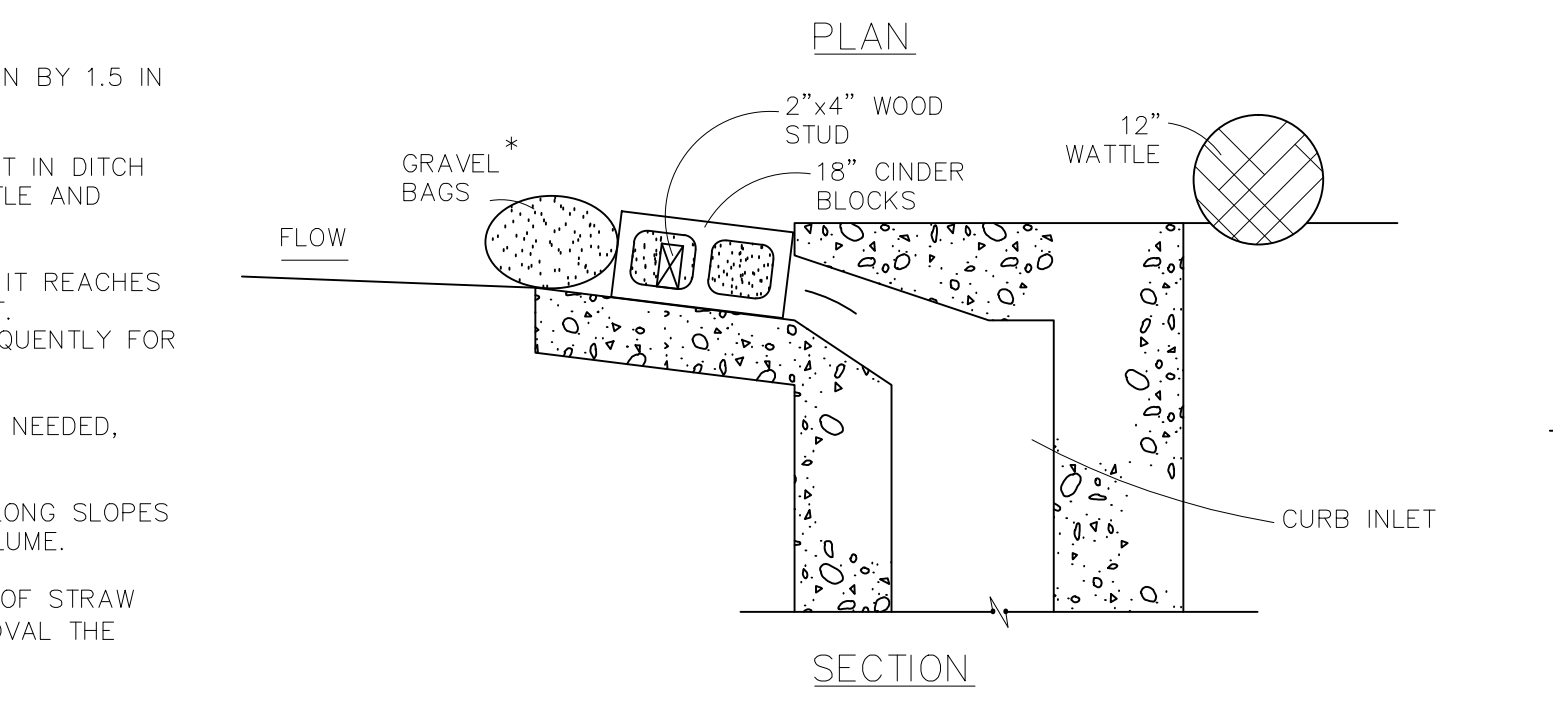
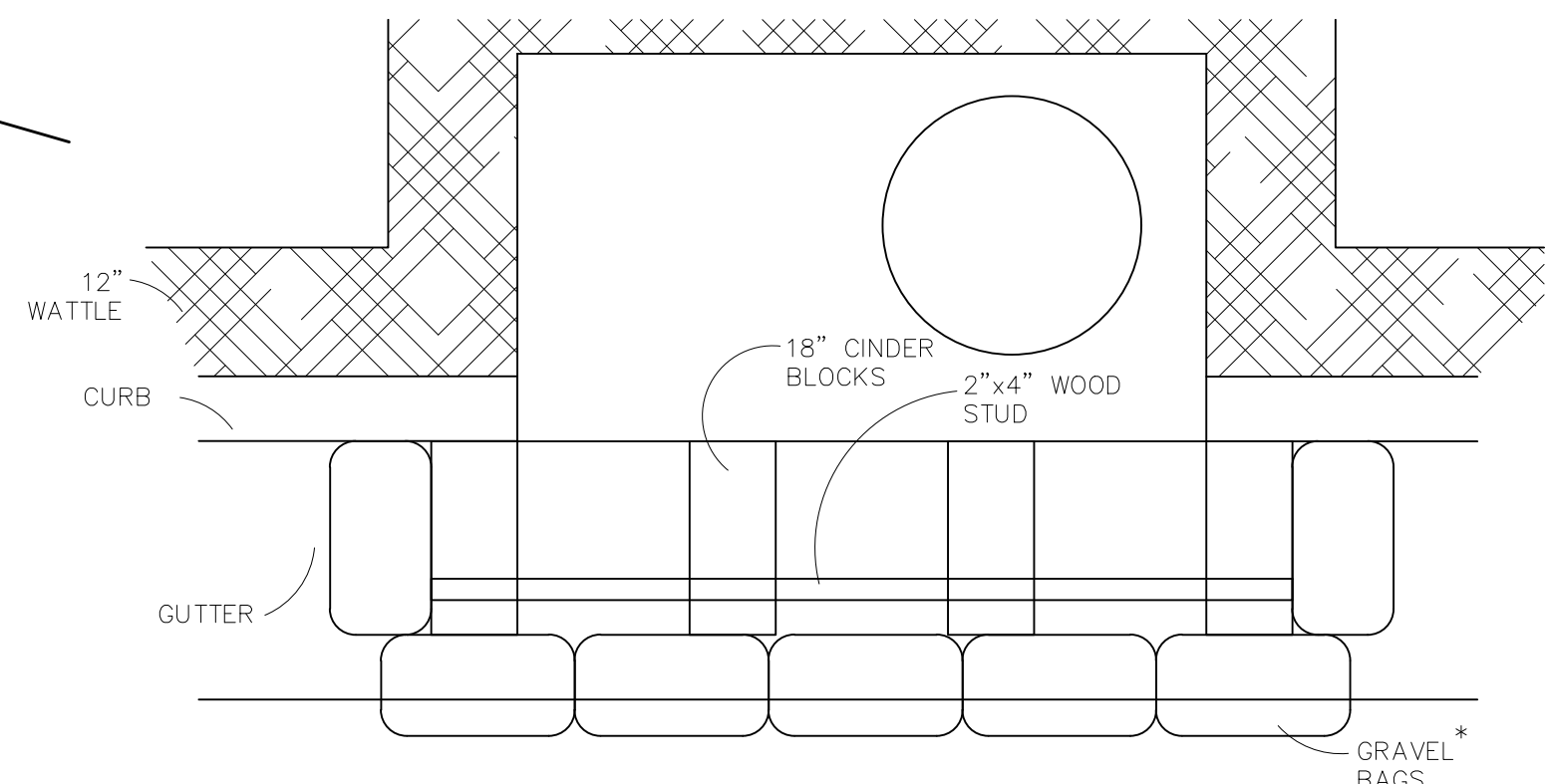
VEHICLE TRACKING NOTES

INSTALLATION REQUIREMENTS

- ALL ENTRANCES TO THE CONSTRUCTION SITE ARE TO BE STABILIZED PRIOR TO CONSTRUCTION BEGINNING.
- 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.
- AREAS TO BE STABILIZED ARE TO BE PROPERLY GRADED AND COMPACTED PRIOR TO LAYING DOWN GEOTEXTILE AND STONE.
- CONSTRUCTION ROADS, PARKING AREAS, LOADING/UNLOADING ZONES, STORAGE AREAS, AND STAGING AREAS ARE TO BE STABILIZED.
- 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

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



CONCRETE BLOCK AND GRAVEL BAG* CURB INLET PROTECTION NTS

BLOCK AND GRAVEL BAG* CURB INLET PROTECTION NOTES

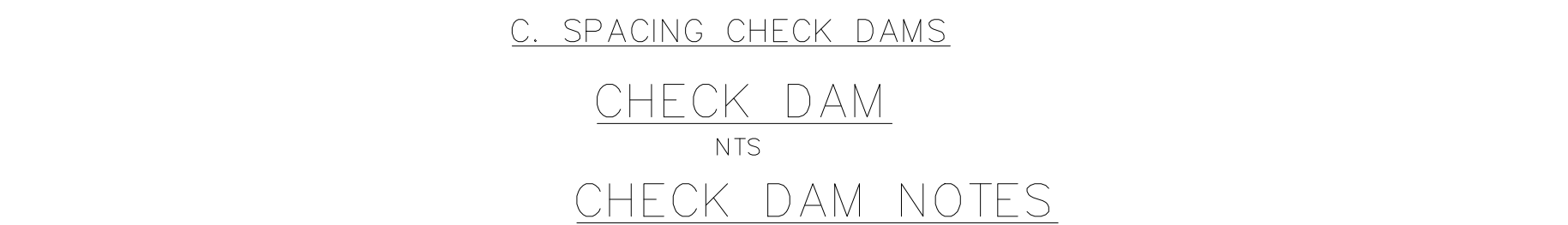
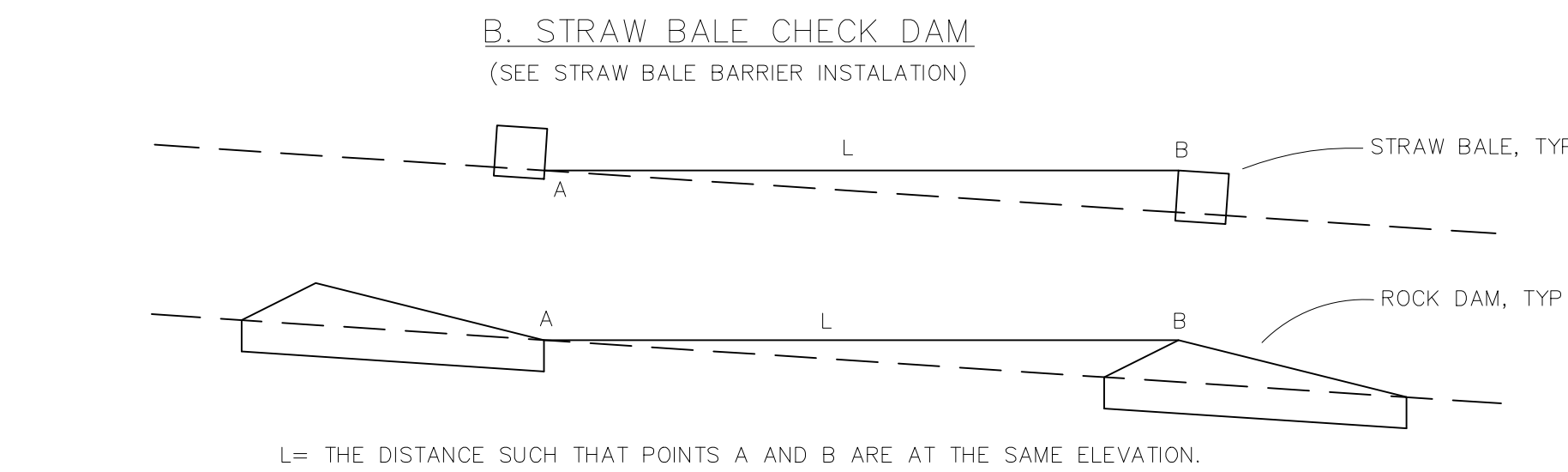
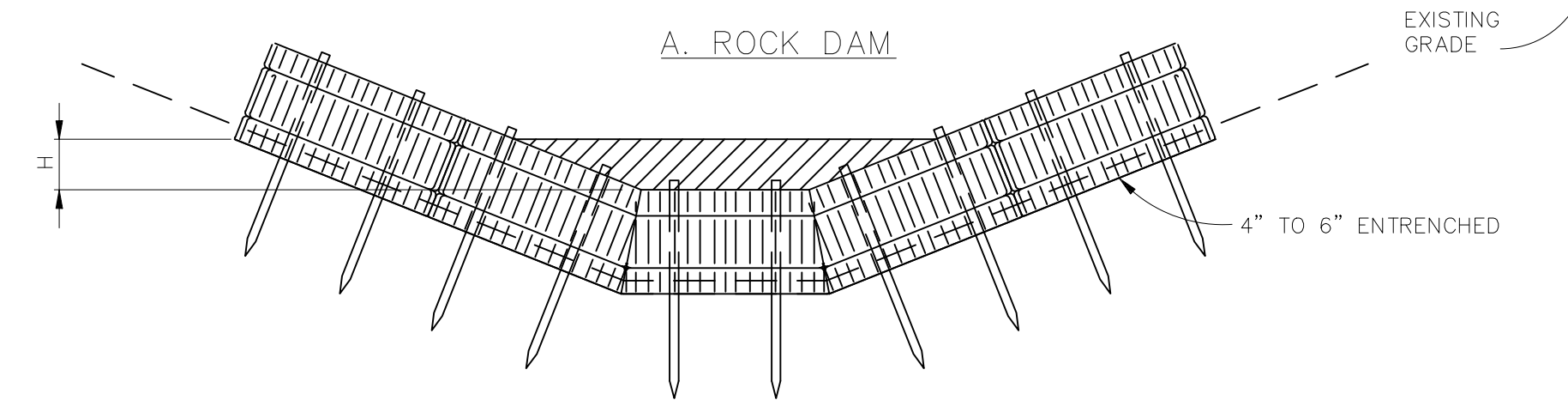
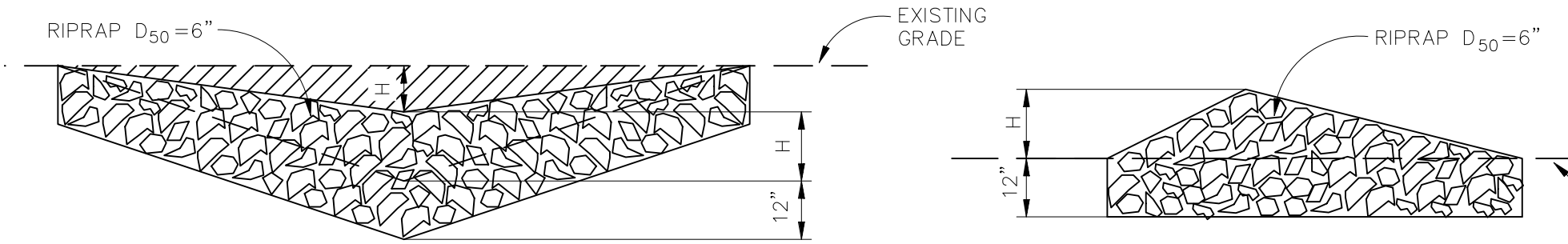
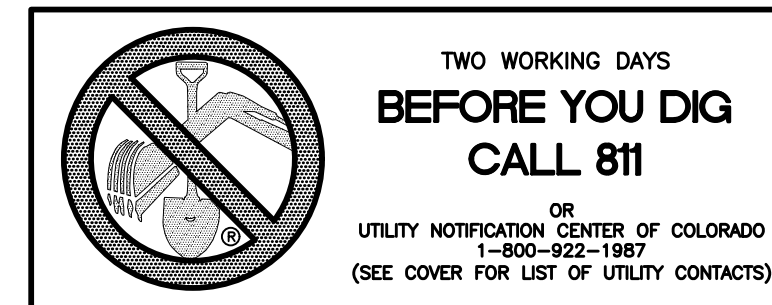
INSTALLATION REQUIREMENTS

- INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY AFTER CONSTRUCTION OF INLET.
- CONCRETE BLOCKS ARE TO BE LAID AT 2' SPACING ON THEIR SIDES WITH THE OPEN ENDS OF THE BLOCK FACING EACH OTHER.
- IF MORE THAN ONE 2X4 IS REQUIRED, THEY NEED TO OVERLAP BY A MINIMUM OF 2'
- GRAVEL BAGS ARE TO BE PLACED AROUND THE CONCRETE BLOCKS AND 2X4 TO CLOSELY ABUTTING ONE ANOTHER SO THERE ARE NO GAPS.
- GRAVEL BAGS ARE TO CONTAIN WASHED SAND OR GRAVEL APPROXIMATELY 3/4 INCH IN DIAMETER.
- BAGS ARE TO BE MADE OF 1/4" INCH WIRE MESH (USED WITH GRAVEL ONLY) OR GEOTEXTILE.

MAINTENANCE REQUIREMENTS

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

* 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.



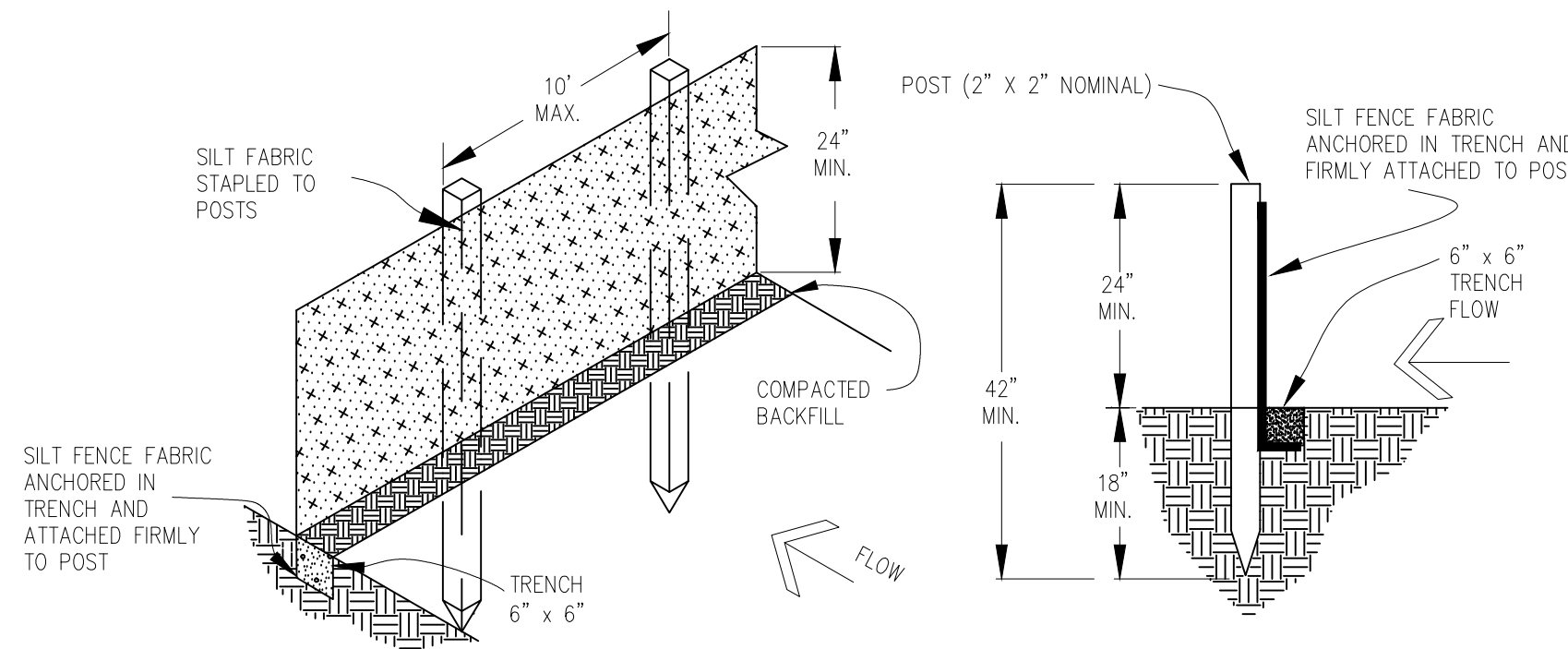
CHECK DAM NTS
CHECK DAM NOTES

INSTALLATION REQUIREMENTS

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

MAINTENANCE REQUIREMENTS

- REGULAR INSPECTIONS ARE TO BE MADE OF ALL CHECK DAMS, ESPECIALLY AFTER STORM EVENTS.
- REPLACE STONE AS NECESSARY TO MAINTAIN THE CORRECT HEIGHT OF THE DAM.
- 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.
- CHECK DAMS ARE TO REMAIN IN PLACE AND OPERATIONAL UNTIL THE DRAINAGE AREA AND CHANNEL ARE PERMANENTLY STABILIZED.
- WHEN CHECK DAMS ARE REMOVED THE CHANNEL LINING OR VEGETATION IS TO BE RESTORED.



SILT FENCE NTS
SILT FENCE NOTES

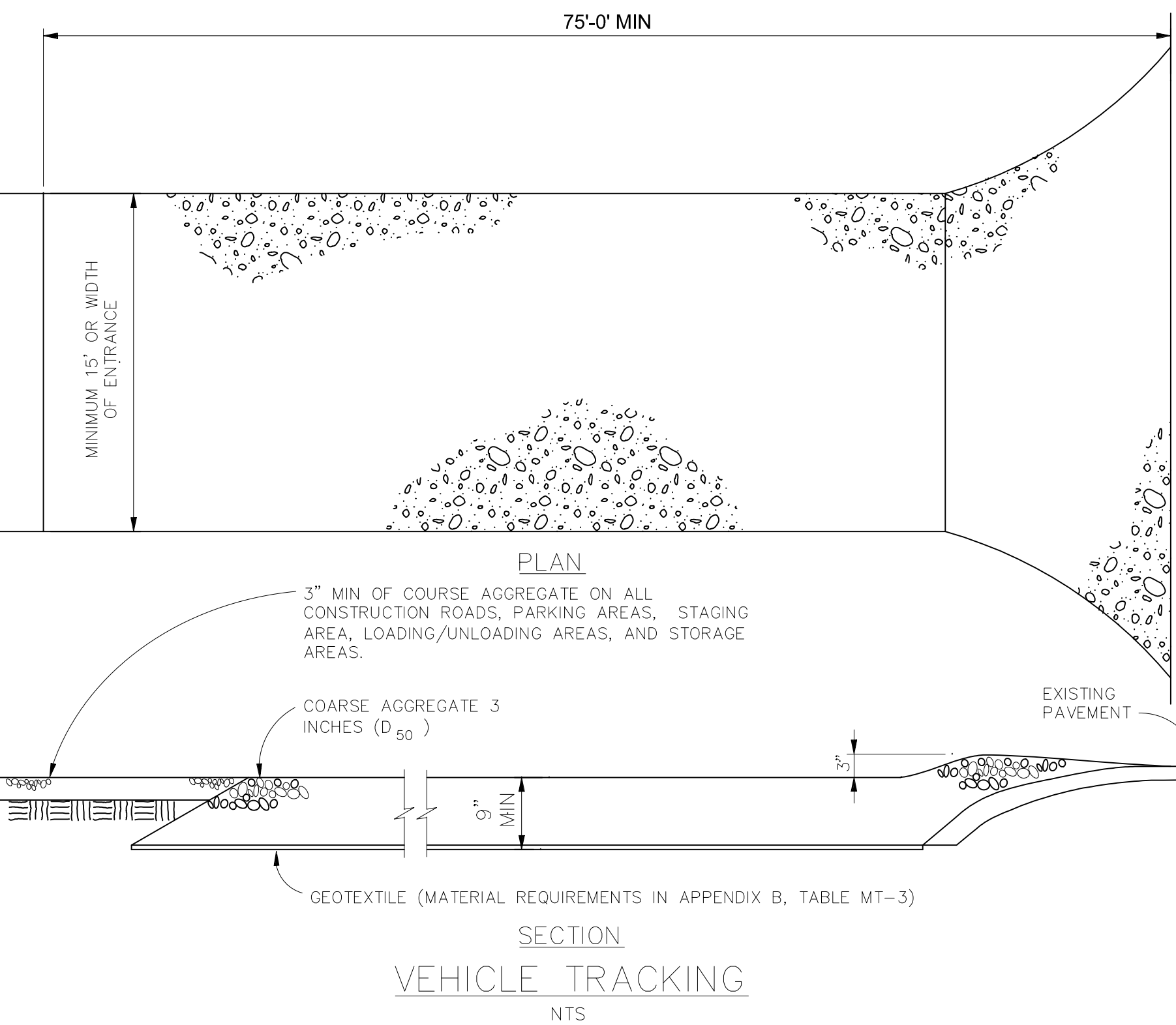
INSTALLATION REQUIREMENTS

- SILT FENCES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- WHEN JOINTS ARE NECESSARY, SILT FENCE GEOTEXTILE SHALL BE SPLICED TOGETHER ONLY AT SUPPORT POST AND SECURELY SEALED.
- 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.
- 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.
- 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, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 6" AND SHALL NOT EXTEND MORE THAN 3' ABOVE THE ORIGINAL GROUND SURFACE.

- 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.
- 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

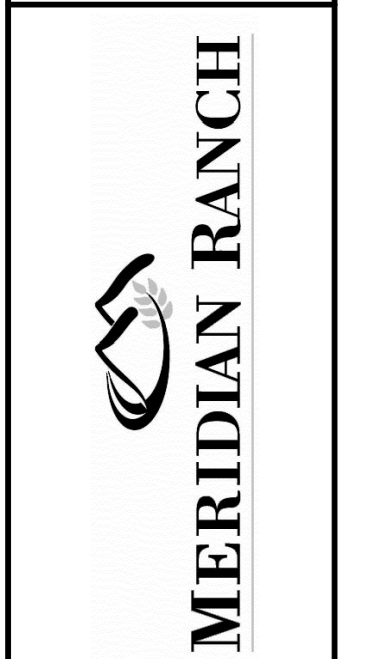
- CONTRACTOR SHALL INSPECT SILT FENCES IMMEDIATELY AFTER EACH RAINFALL, AT LEAST DAILY DURING PROLONGED RAINFALL, AND WEEKLY DURING PERIODS OF NO RAINFALL. DAMAGED, COLLAPSED, UNENTRENCHED OR INEFFECTIVE SILT FENCES SHALL BE PROMPTLY REPAIRED OR REPLACED.
- SEDIMENT SHALL BE REMOVED FROM BEHIND SILT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



VEHICLE TRACKING NTS

Date	
Appr.	
Date	
Revisions	
No.	

TECH CONTRACTORS
11886 STAPLETON DRIVE
FALCON, CO 80831
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WINDINGWALK FI AT MERIDIAN RANCH
GRADING-EROSION CONTROL PLAN
DETAIL SHEET

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AS SHOWN				55	
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