

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

**MERIDIAN RANCH**

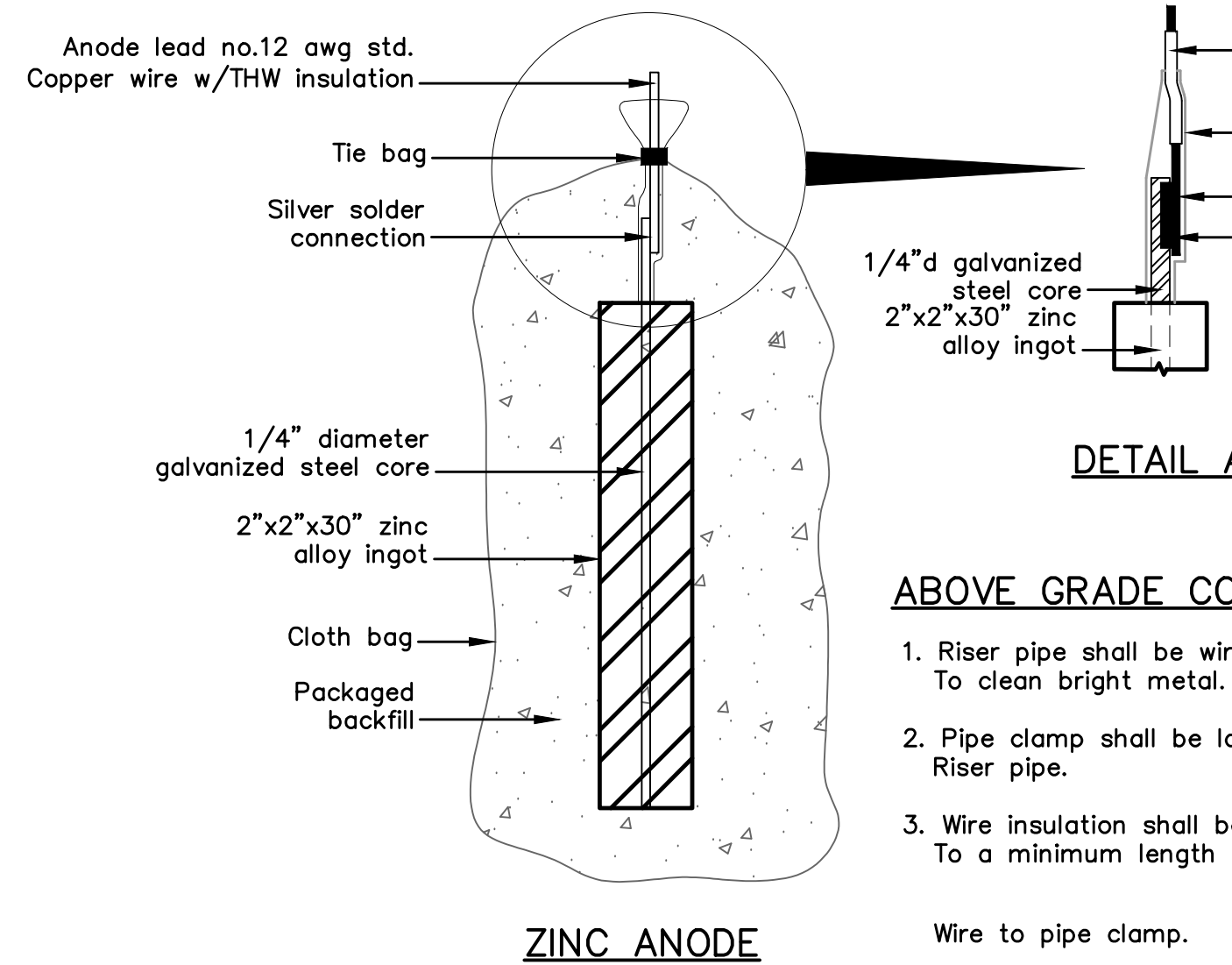
**WINDINGWALK FI AT MERIDIAN RANCH**  
**STREET AND UTILITY PLANS**  
**DETAIL SHEET**

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

Scale: AS SHOWN  
 3 of 55

Colorado Licensed Professional Engineer  
 License No. 314289  
 Expires 10/31/2019

PCD PROJECT NO. SF-18-002



**ABOVE GRADE CONNECTION NOTES:**

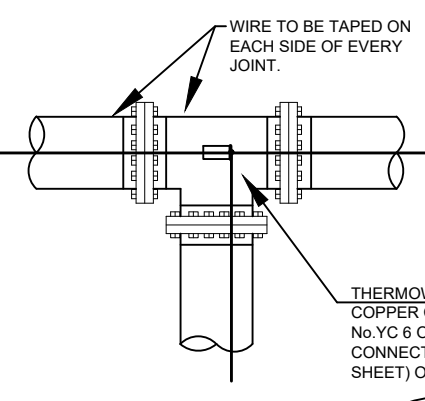
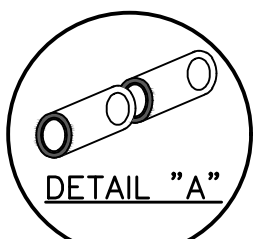
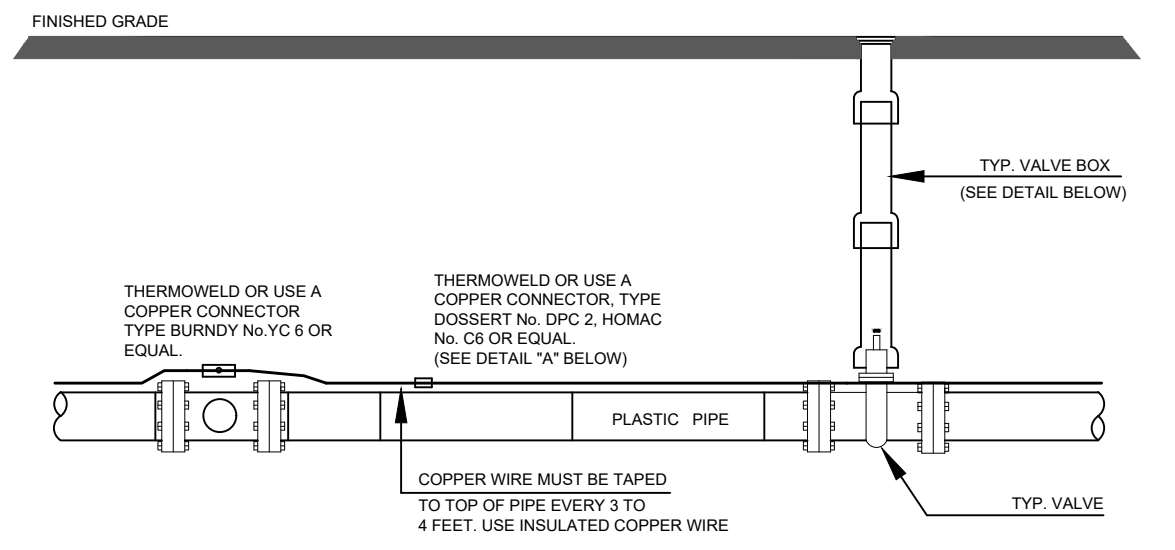
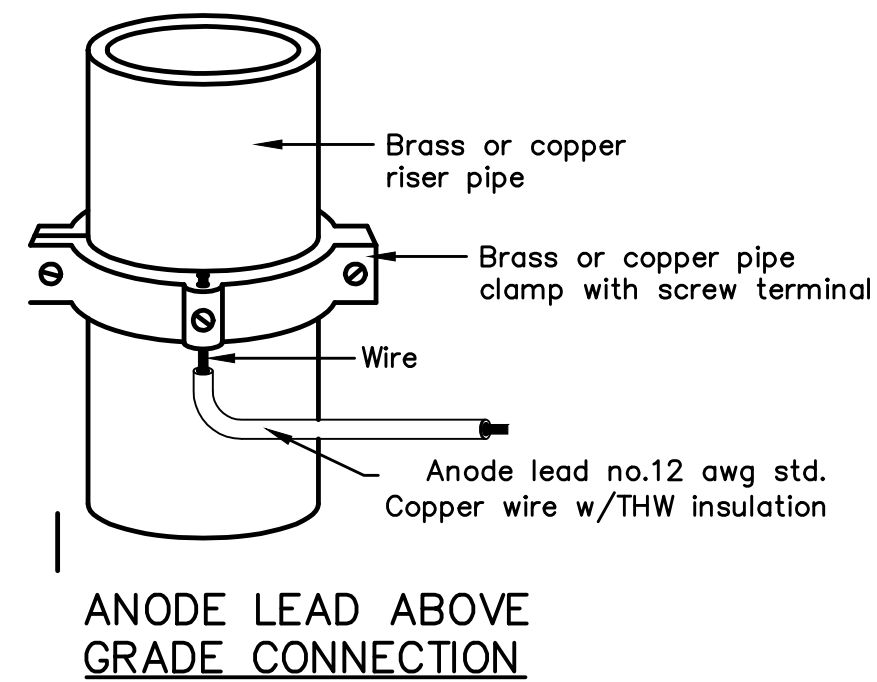
1. Riser pipe shall be wire brushed To clean bright metal.
2. Pipe clamp shall be located on Riser pipe.
3. Wire insulation shall be stripped To a minimum length to connect Wire to pipe clamp.

**ZINC ANODE AND CONNECTORS FOR 1" AND 2" WATER SERVICE**

**PACKAGED BACKFILL COMPOSITION:**

75% gypsum  
20% bentonite  
5% sodium sulfate

Ingot weight: 30 lbs.  
Pkgd. Weight: 70 lbs. Approx.



**Anode Design**

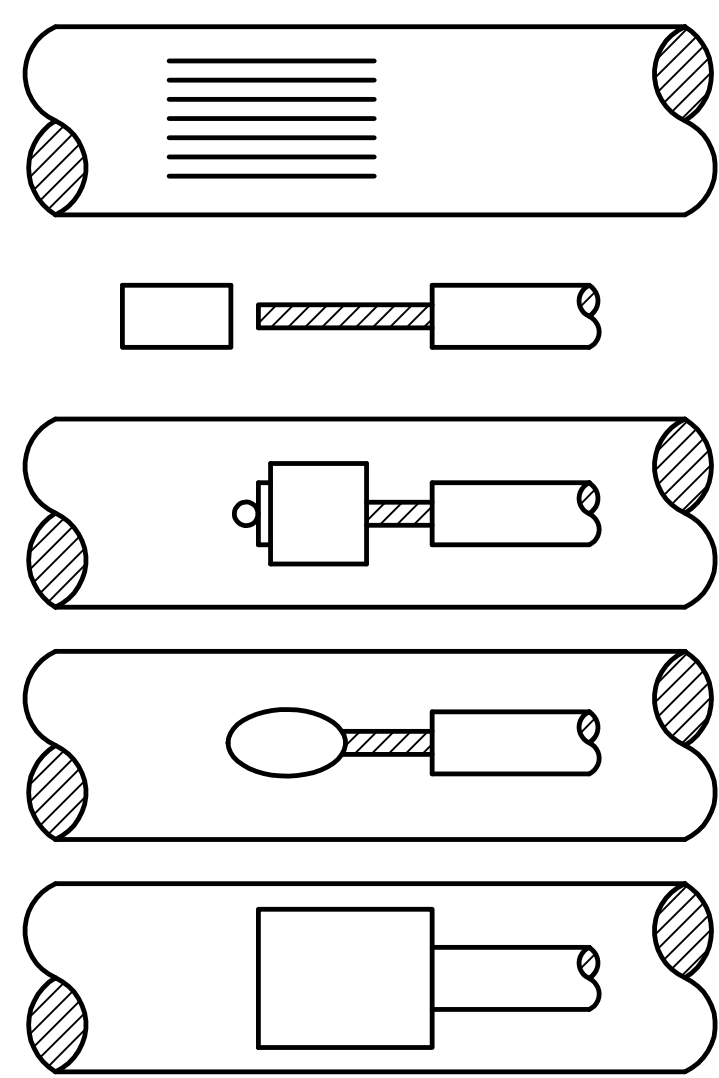
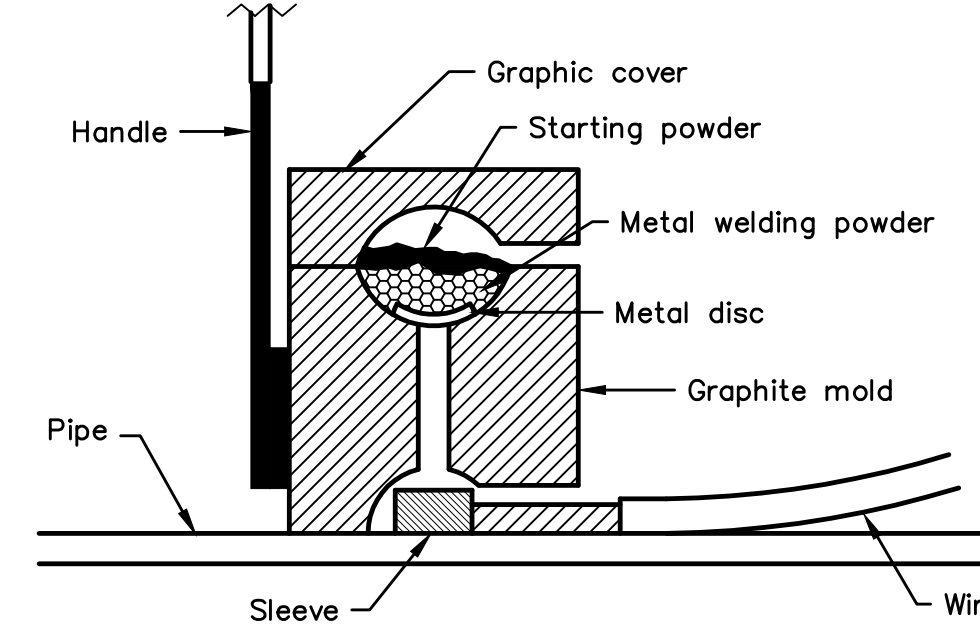
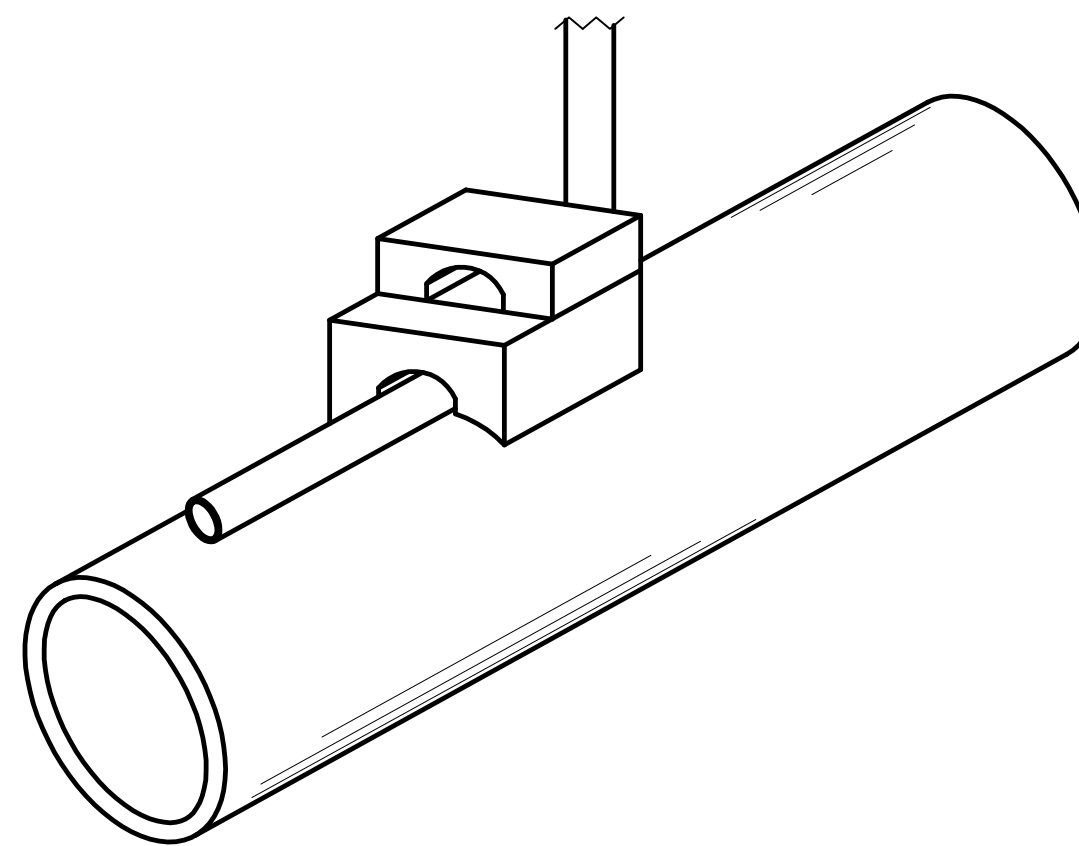
For use with DIP in conjunction with poly-wrap sleeves and piping in 1000 ohm-cm soil estimating a 5% holiday area.

Pipe Size Inches	Actual OD Inches	Anode Spacing Feet (see note 2)	Anode Weight (lb)
4	4.8	763	17 lb
6	6.9	531	17 lb
8	9.05	405	17 lb
12	13.20	277	17 lb
16	16	210	32 lb
20	20	169	32 lb
24	24	142	48 lb
30	30	114	48 lb
36	36	95.7	48 lb
42	42	82.4	48 lb
48	48	72.1	48 lb
54	54	64.2	48 lb

The distance from the point of the beginning to the first anode shall not exceed one half the recommended spacing.

**NOTES**

1. Cadweld connection to be primed and coated carefully. Packed anode should be covered with fine soil containing no rocks or dirt clumps, tamped.
2. When anodes are required with metal fittings and appurtenances together with PVC pipe installations, the anodes shall be placed and attached to the metal fittings in same manner as shown on this drawing. 9 lb anodes can be used on metal fittings when using PVC pipe.
3. Packaged anode to be wetted and covered with soil prior to backfilling.



- STEP 1.** File structure connection area (3 in x 3 in) to bare shiny metal and clean.
- STEP 2.** Strip insulation from wire. Attach sleeve where required by manufacturer.
- STEP 3.** Hold mold firmly with opening away from operator and ignite with flint gun.
- STEP 4.** Remove slag from connection and peen weld for soundness.
- STEP 5.** Cover connection and exposed structure surface with a bituminous coating compound. Place plastic shield cap firmly over connection.

**NOTES:**

1. All wire welds shall be minimum 3 inches apart.
2. Standard weld cartridges shall be used for steel surfaces.

**EXOTHERMIC WELD PROCESS**

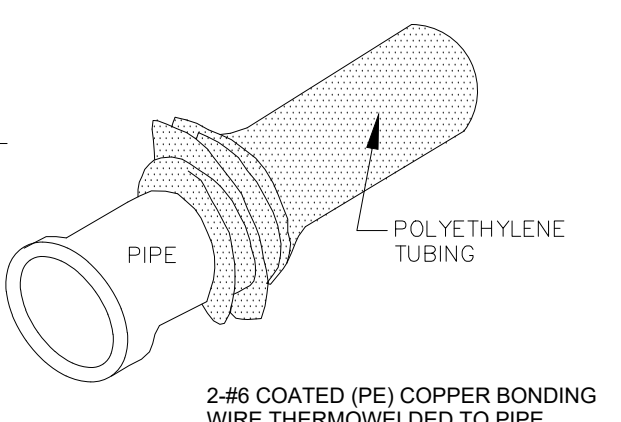
**NOTE**

1. Contractor is responsible for continuity of all tracer wire.
2. Tracer wire is required on all pipes per MSMD specifications (PVC and HDPE).

**FIELD INSTALLATION OF POLYETHYLENE WRAP FOR DIP PIPE AND FITTINGS.**

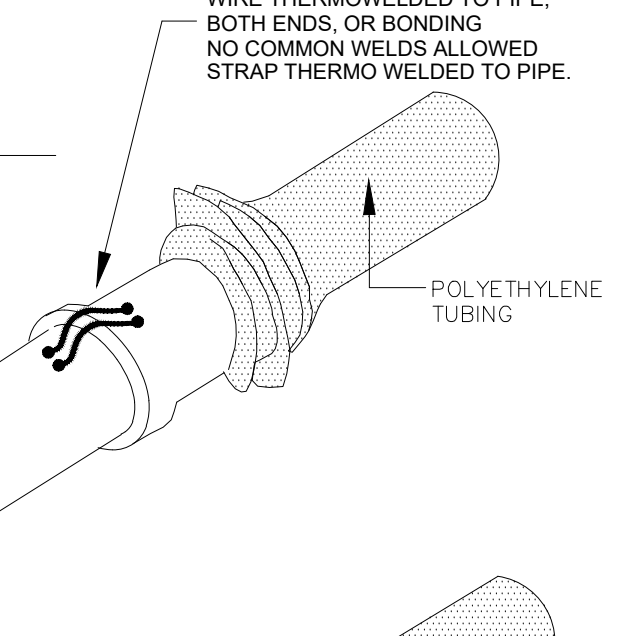
**STEP 1:**

PLACE TUBE OF POLYETHYLENE MATERIAL ON PIPE PRIOR TO LOWERING IT INTO TRENCH.



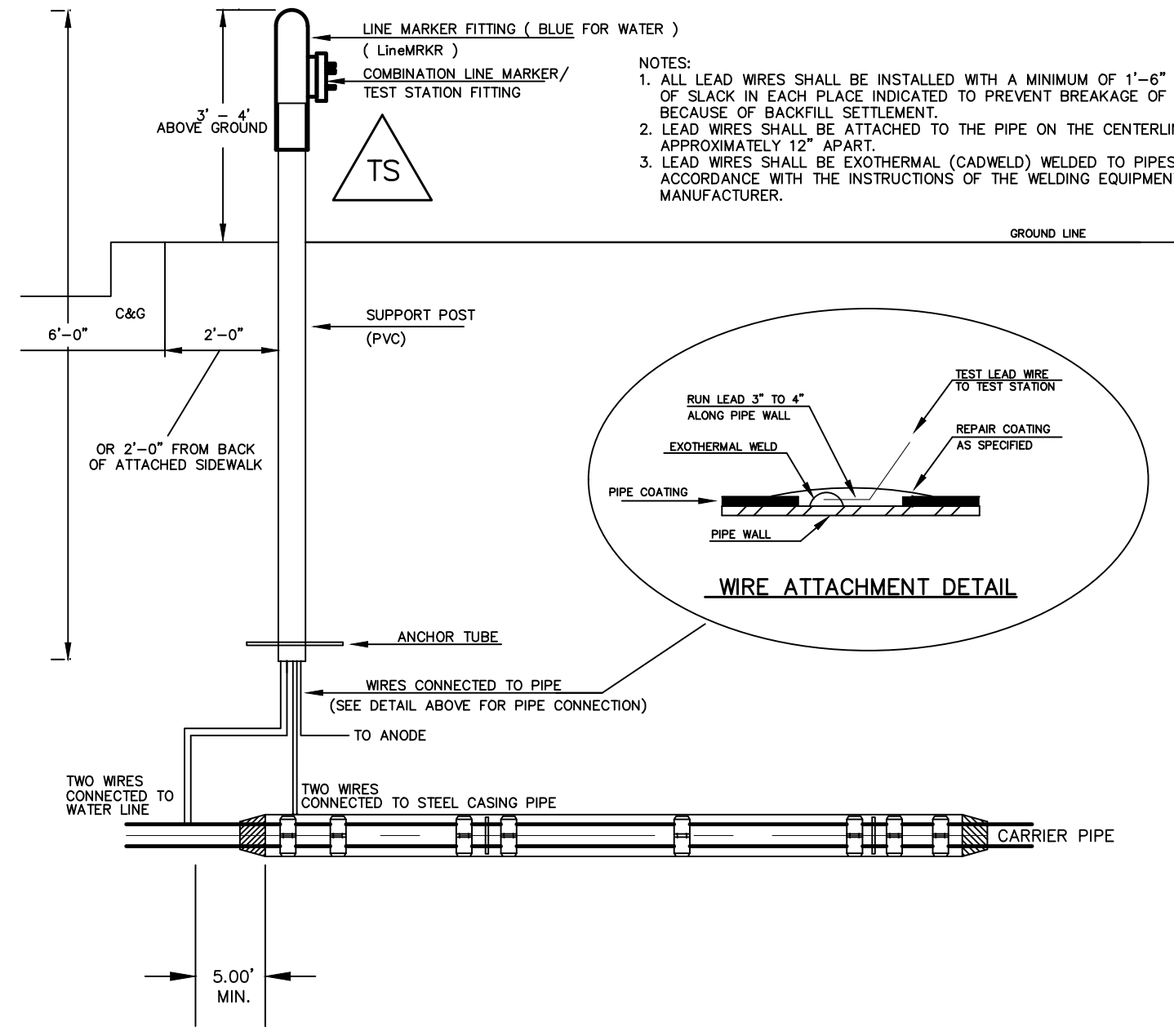
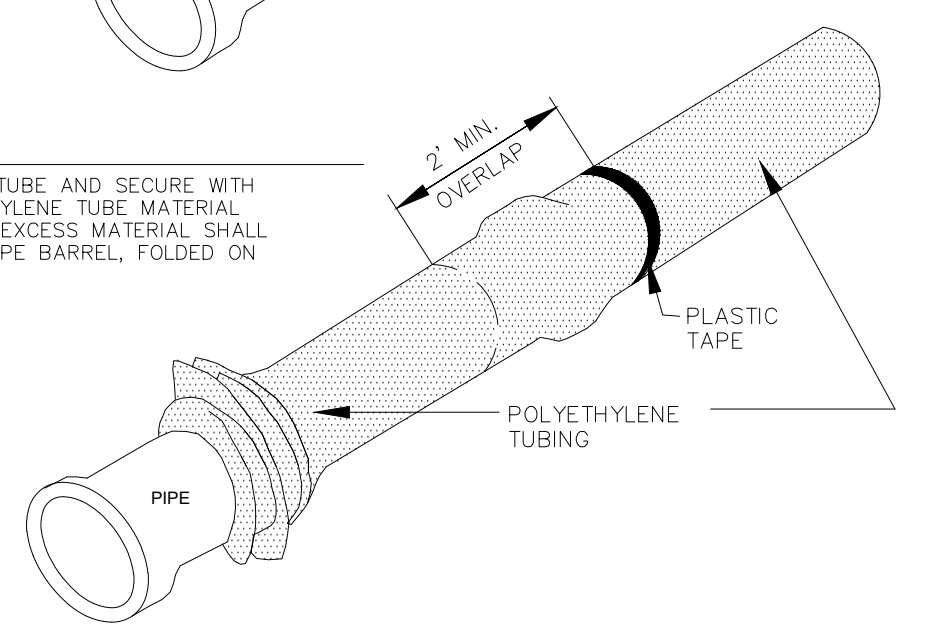
**STEP 2:**

PULL TUBE OVER THE LENGTH OF THE PIPE. TAPE TUBE TO END AT JOINT. FOLD MATERIAL AROUND THE ADJACENT SPIGOT END AND WRAP WITH TAPE TO HOLD THE PLASTIC TUBE IN PLACE. INSTALL BONDING STRAP OR WIRE AT EVERY JOINT OF PIPE PRIOR TO WRAPPING.



**STEP 3:**

OVERLAP FIRST TUBE WITH ADJACENT TUBE AND SECURE WITH PLASTIC ADHESIVE TAPE. THE POLYETHYLENE TUBE MATERIAL COVERING THE PIPE SHALL BE LOOSE. EXCESS MATERIAL SHALL BE NEATLY DRAWN UP AROUND THE PIPE BARREL, FOLDED ON TOP OF PIPE AND TAPED IN PLACE.



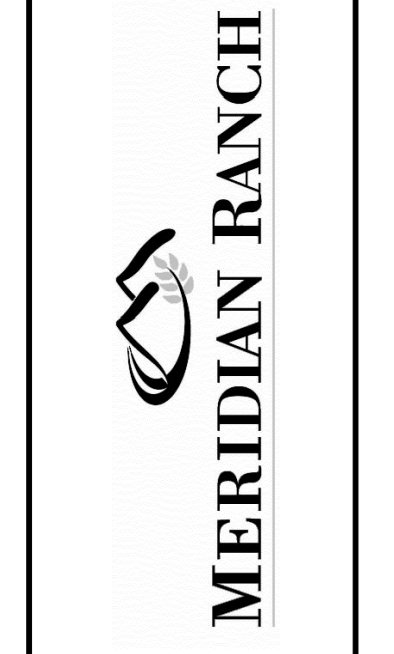
**TYPICAL DETAIL FOR TEST STATION WITH STEEL SLEEVE INSTALLATION**

**NOTES:**

- 1.) Lowerings to be cathodically protected under the direction of the MSMD Inspector, per standards. (For anode size see detail above.)
- 2.) Example can vary due to site conditions and MSMD Inspector's direction's.
- 3.) Reference Colorado Springs Utilities Standard Detail Drawing No. A 8-6 - Steel Sleeve Installation.

No.	Revisions	Date	Appr.

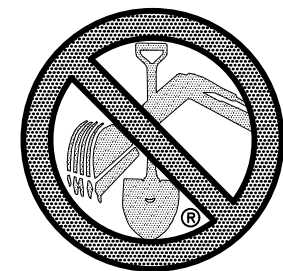
**TECH CONTRACTORS**  
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**WINDINGWALK FI AT MERIDIAN RANCH  
STREET AND UTILITY PLANS  
DETAIL SHEET**

Scale <b>AS SHOWN</b>	Drawn by LOG	Checked by TAK	Date MAY 2008
4 of 55			

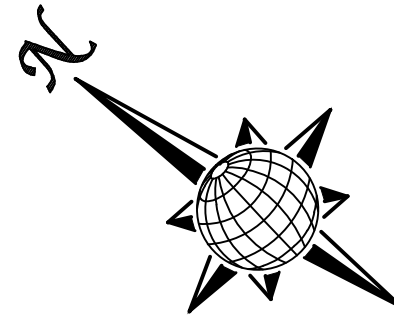
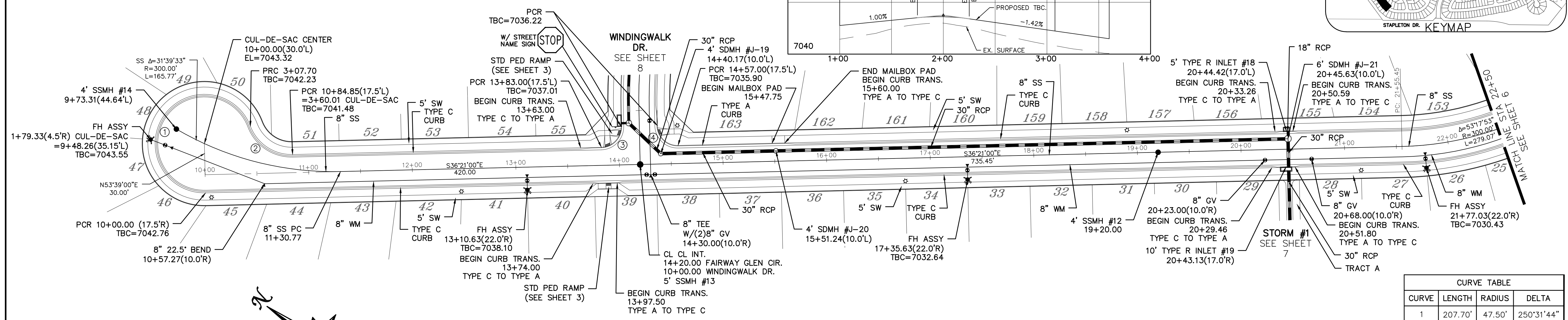
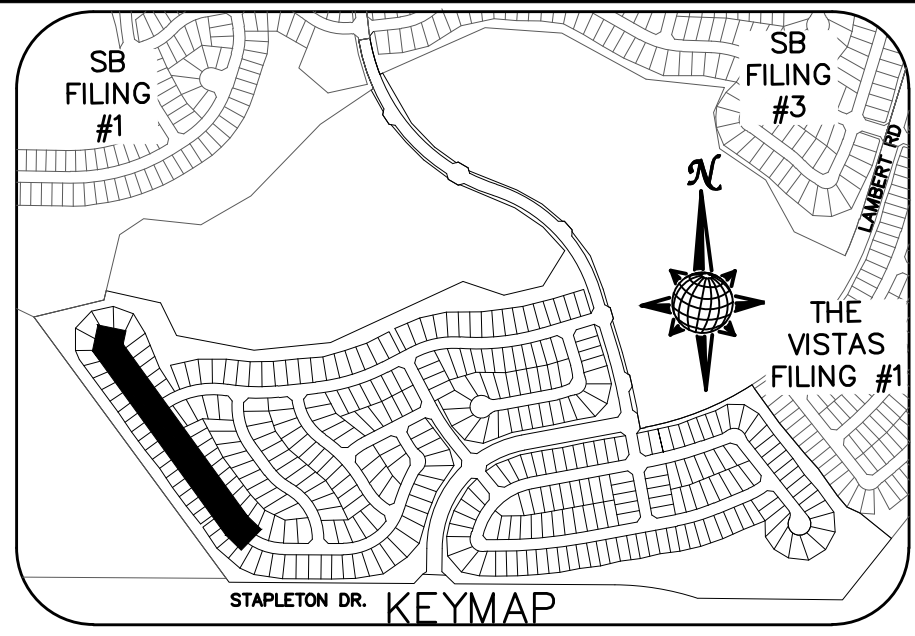
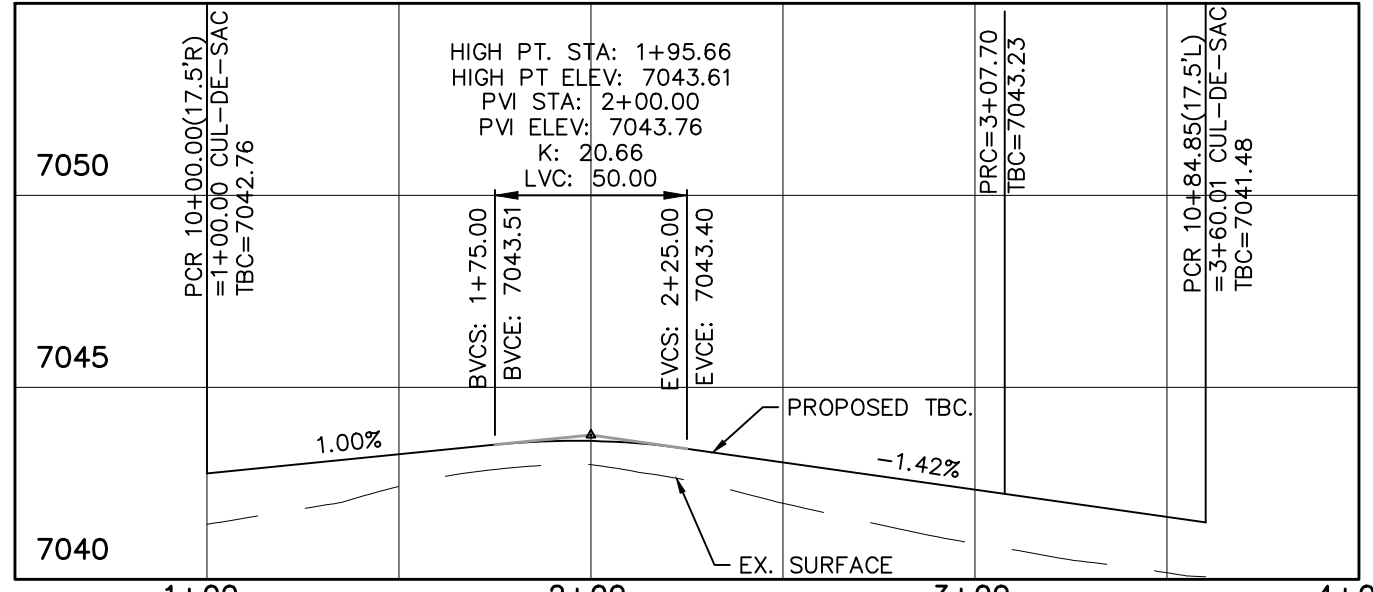




**TWO WORKING DAYS  
BEFORE YOU DIG  
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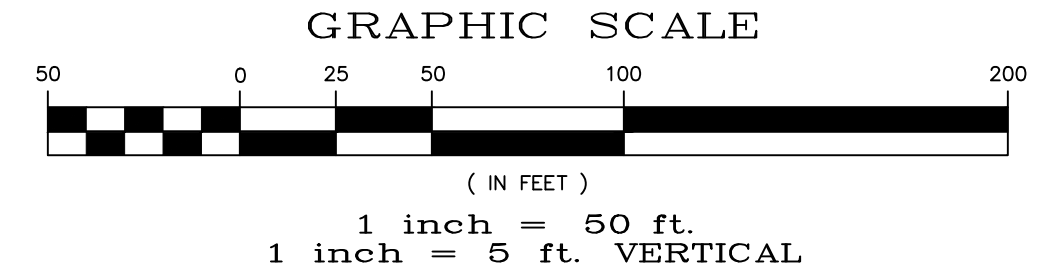
OR  
UTILITY NOTIFICATION CENTER OF COLORADO  
1-800-922-1987  
(SEE COVER FOR LIST OF UTILITY CONTACTS)

FAIRWAY GLEN CIR.  
CUL-DE-SAC  
(ALL GRADES ARE TBC)



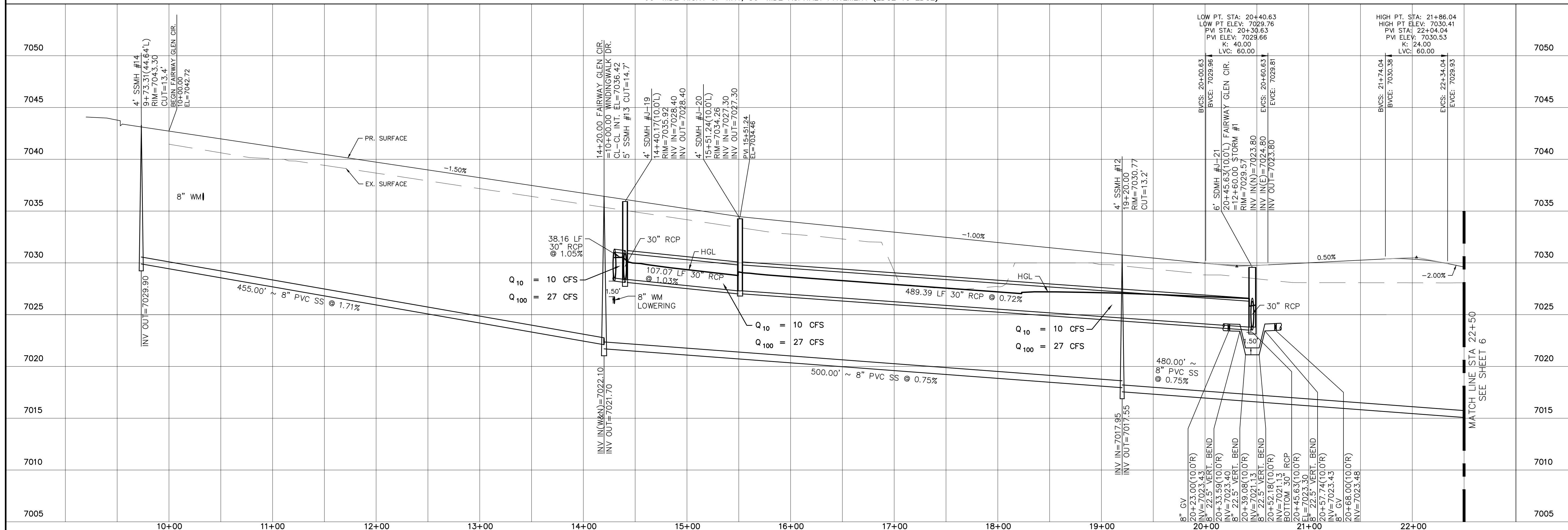
# FAIRWAY GLEN CIR.

URBAN LOCAL LOW VOLUME TO STA 13+83.00  
URBAN LOCAL AFTER STA 13+83.00  
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



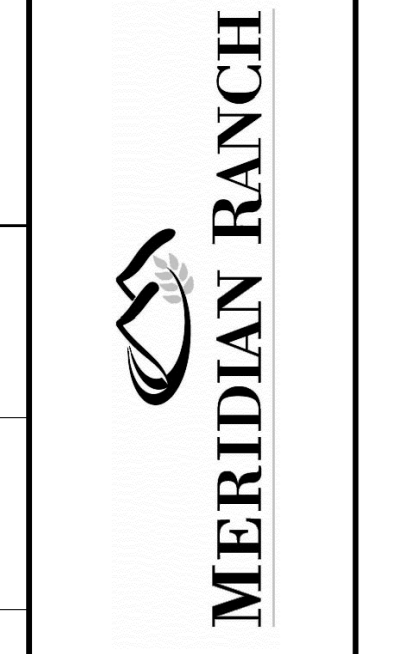
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2	52.32'	42.50'	70°31'44"
3	30.63'	19.50'	90°00'00"
4	30.63'	19.50'	90°00'00"

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



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WINDINGWALK FI AT MERIDIAN RANCH  
STREET AND UTILITY PLANS  
FAIRWAY GLEN CIR.

Drawn by  
LOG

Checked by  
TAK

Date  
MAY 2018

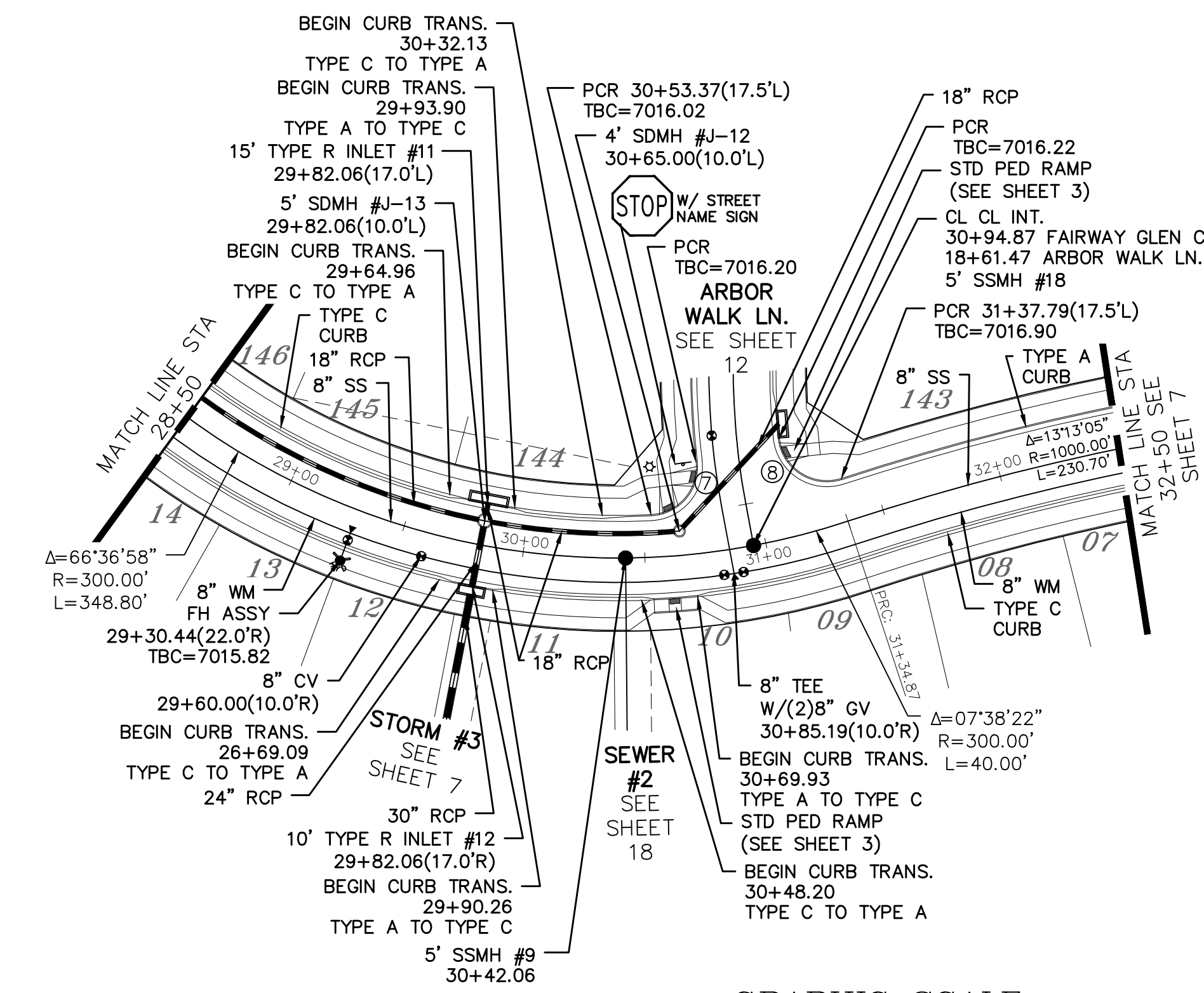
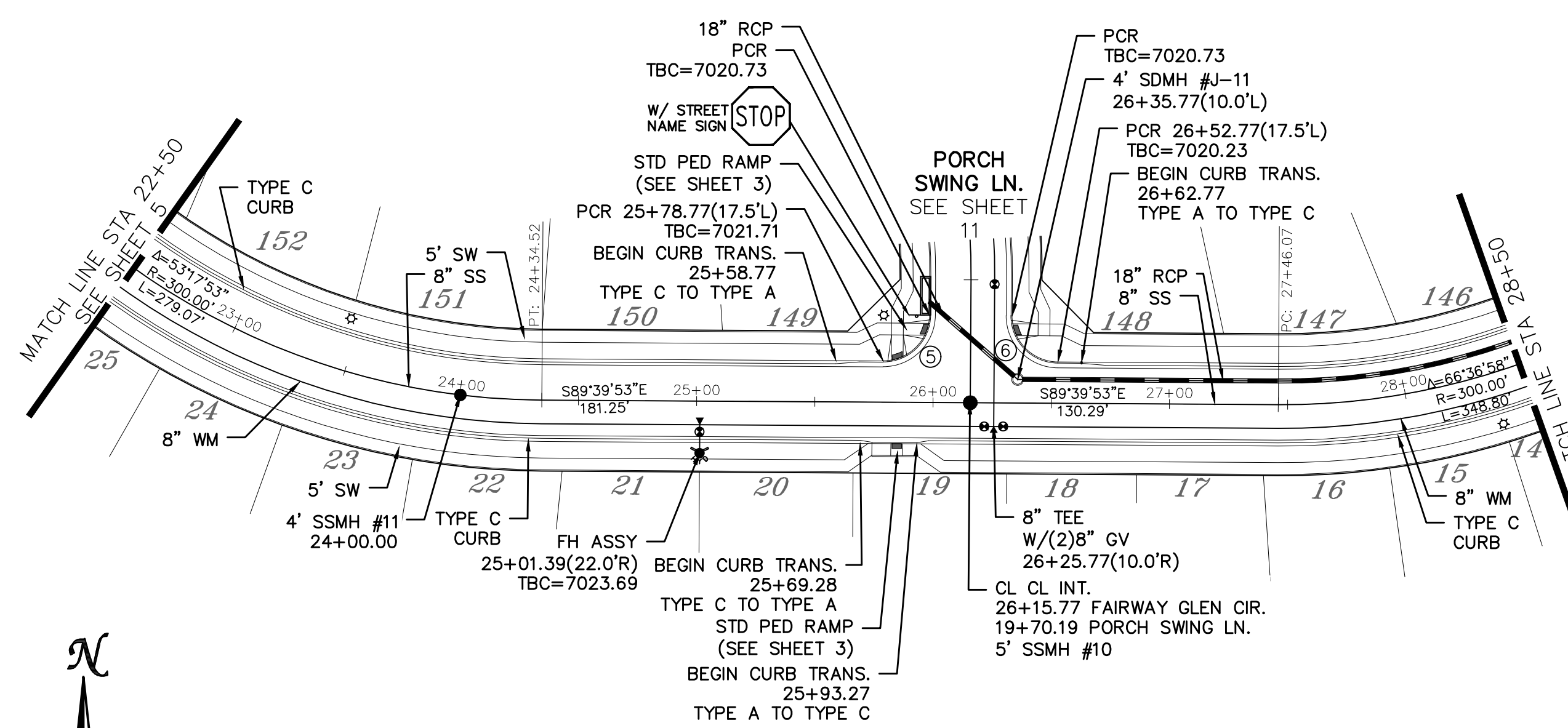
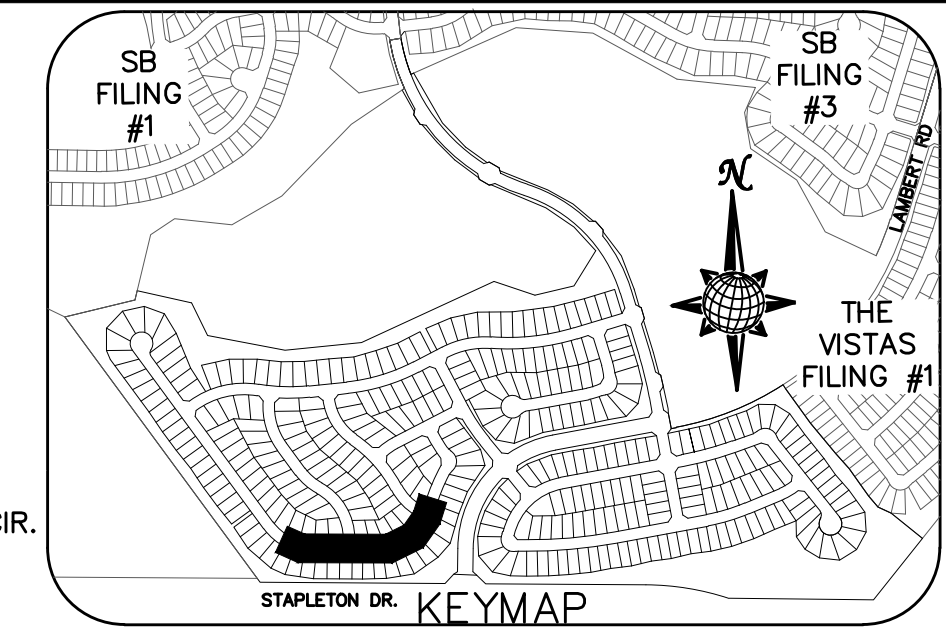
Scale  
AS SHOWN

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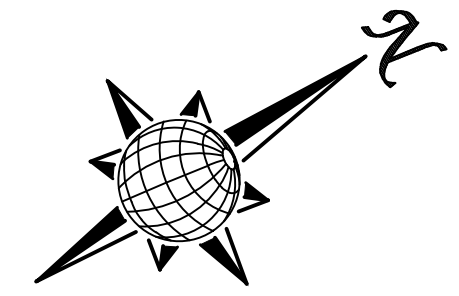
TWO WORKING DAYS  
**BEFORE YOU DIG**  
**CALL 811**  
OR  
UTILITY NOTIFICATION CENTER OF COLORADO  
1-800-922-1987  
(SEE COVER FOR LIST OF UTILITY CONTACTS)



**CURVE TABLE**

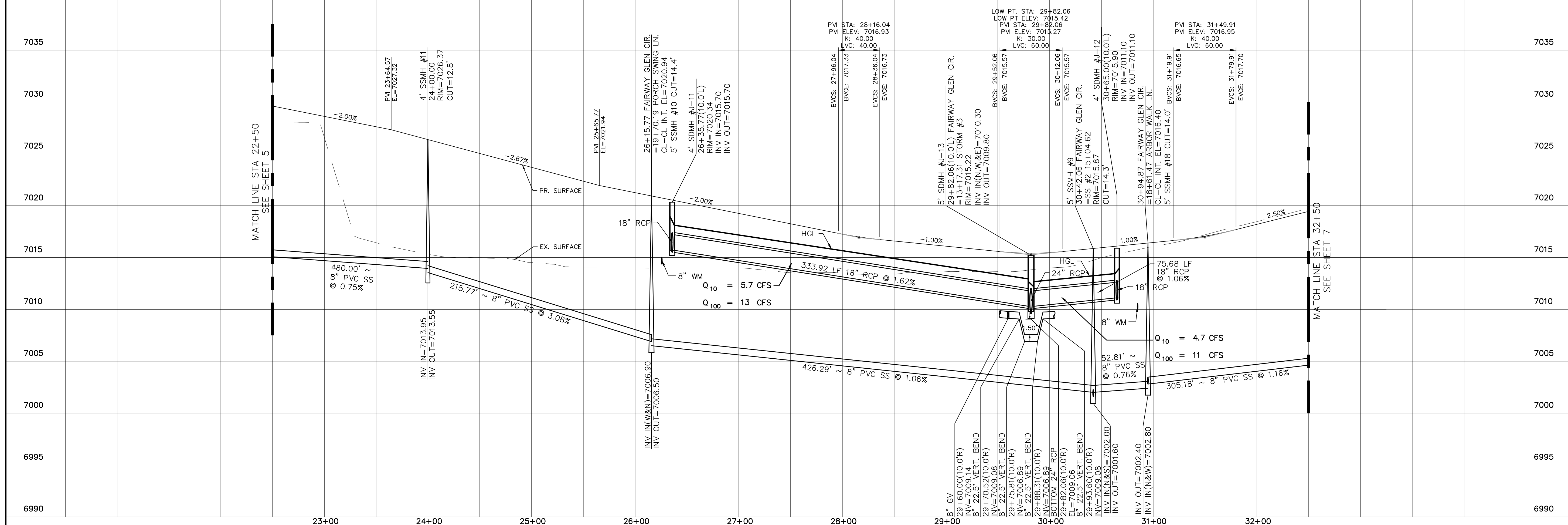
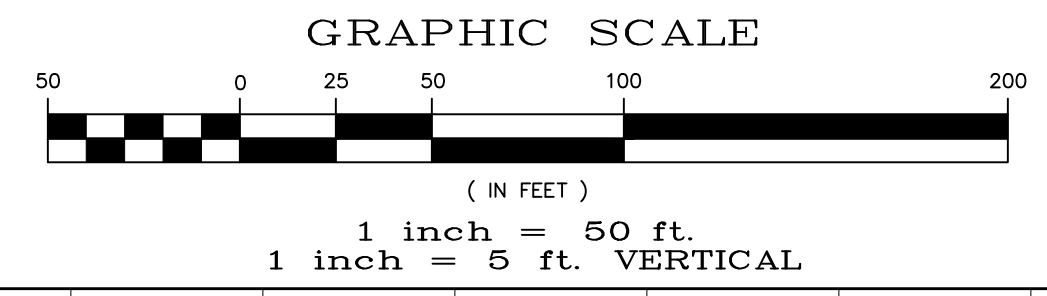
CURVE	LENGTH	RADIUS	DELTA
5	30.63'	19.50'	90°00'00"
6	30.63'	19.50'	90°00'00"
7	32.04'	19.50'	94°08'36"
8	34.84'	19.50'	102°22'10"

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



# FAIRWAY GLEN CIR.

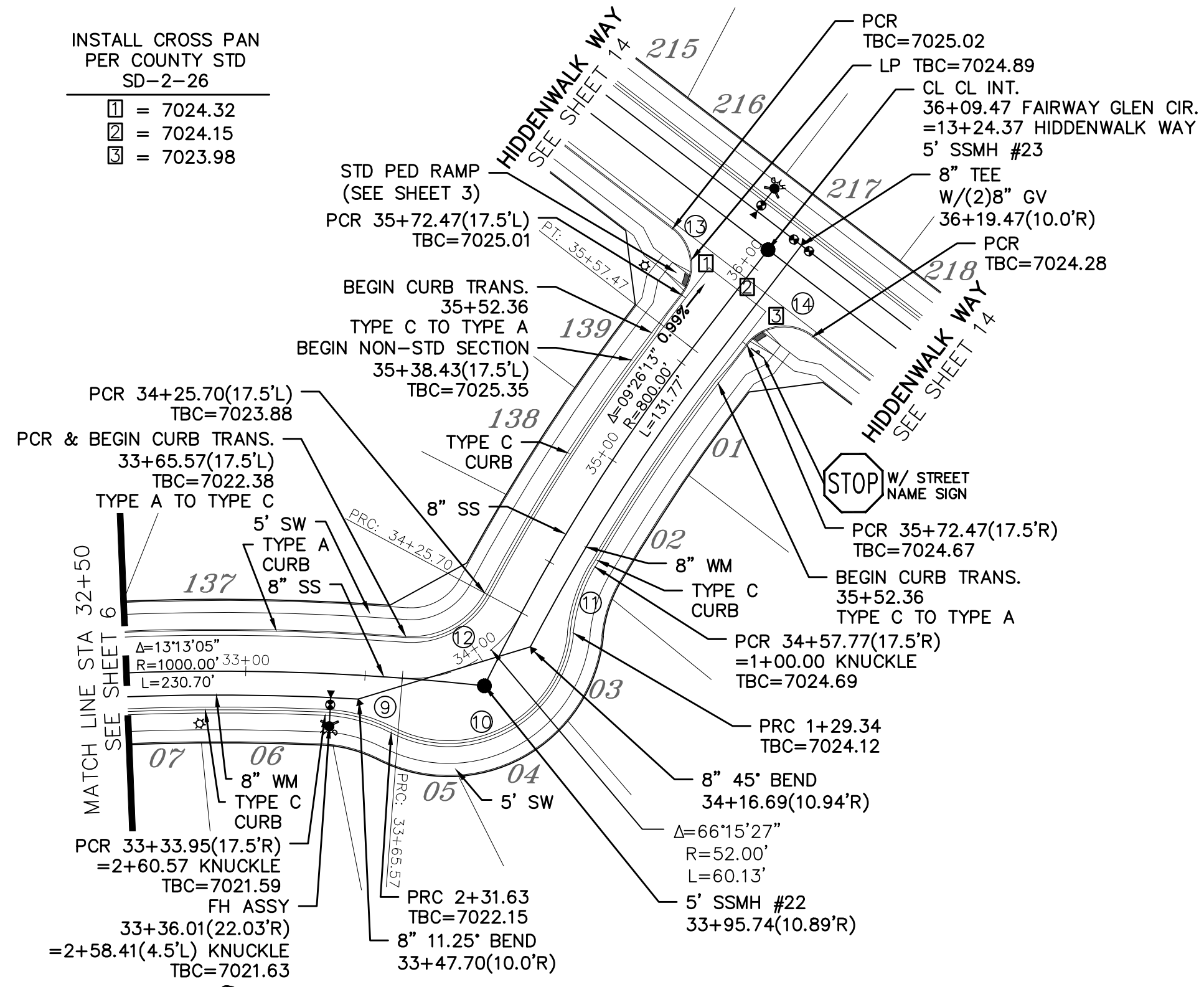
URBAN LOCAL, 60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



Date		Appr.	
Date		Revit.	
No.		Revisions	
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457			
<b>MERIDIAN RANCH</b>			
WINDINGWALK FI AT MERIDIAN RANCH STREET AND UTILITY PLANS FAIRWAY GLEN CIR.			
Scale	AS SHOWN	6 of 55	Date
Drawn by	LOG	Checked by	TAK
		Date	MAY 2018

INSTALL CROSS PAN  
PER COUNTY STD  
SD-2-26

- = 7024.32
- = 7024.15
- = 7023.98

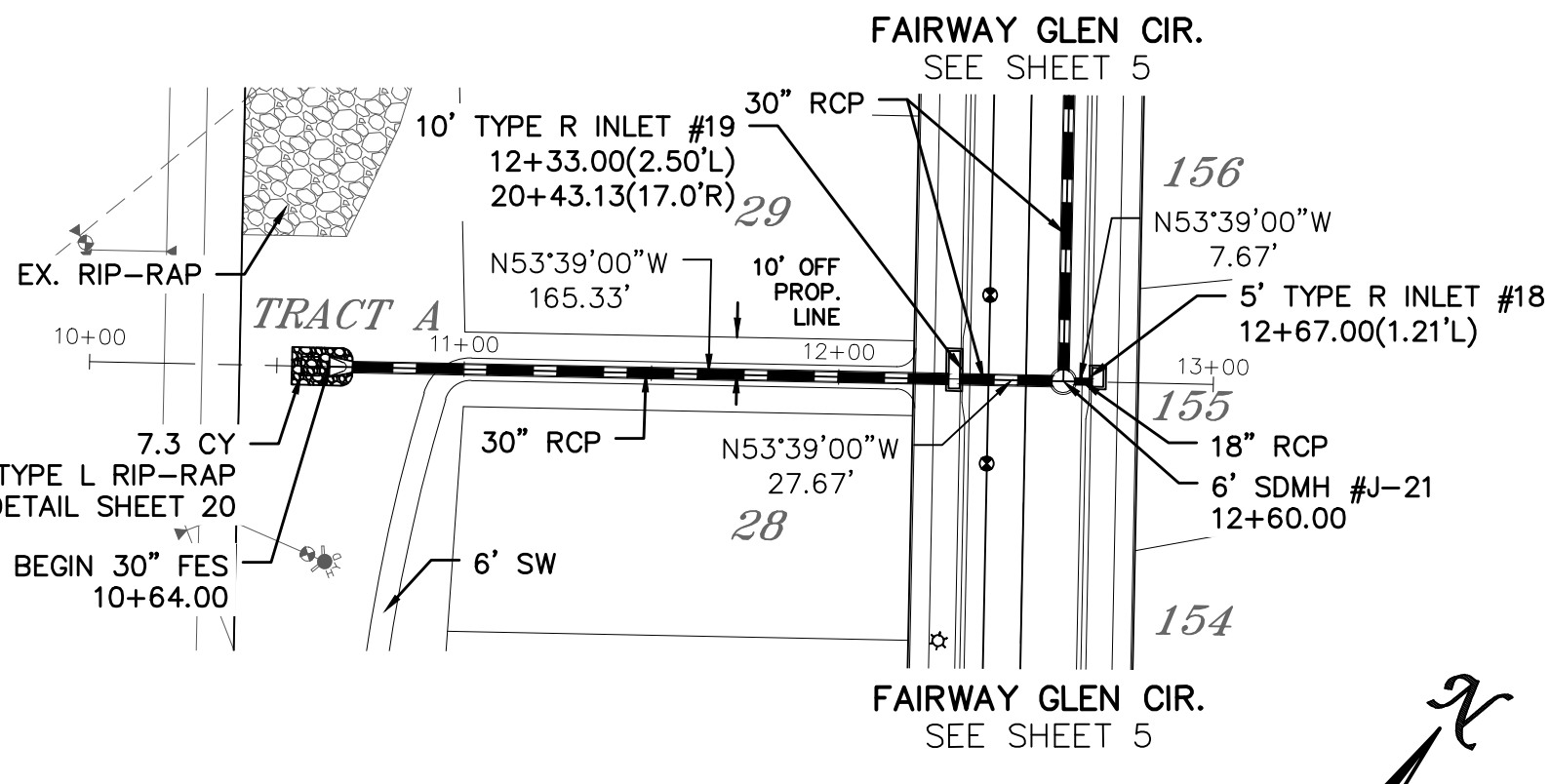
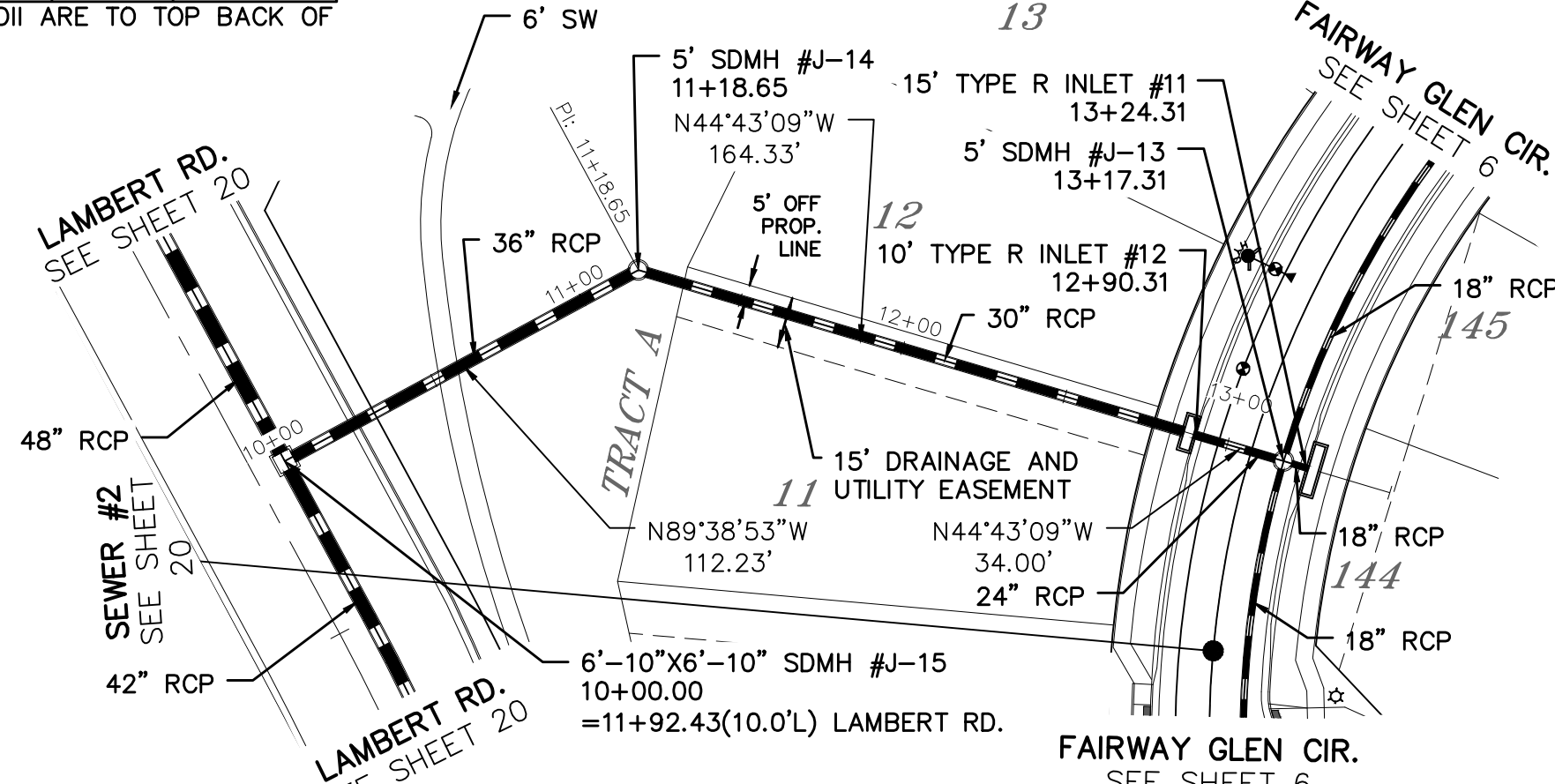
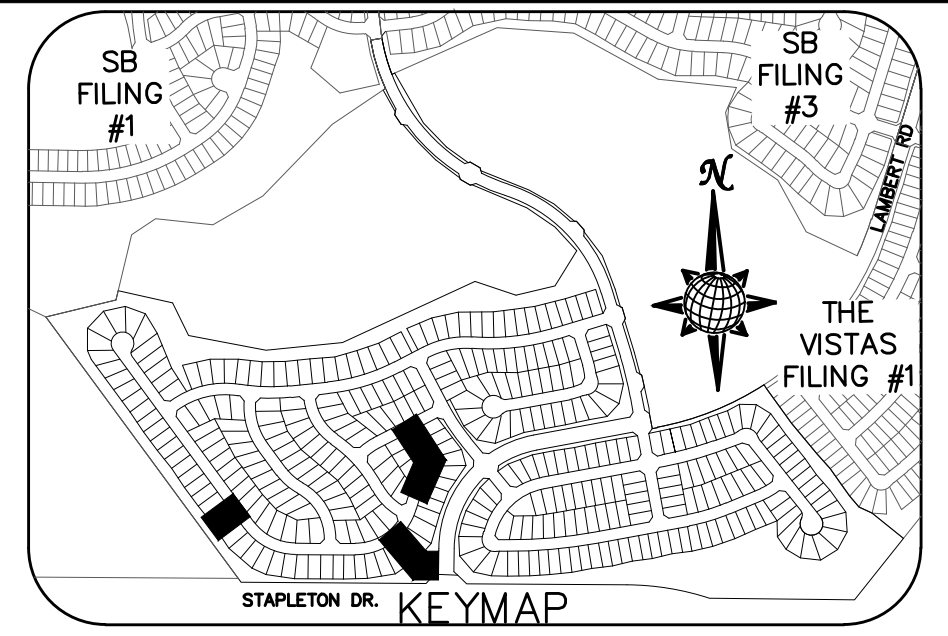


CURVE	LENGTH	RADIUS	DELTA
9	28.94'	67.50'	24°34'04"
10	102.28'	52.50'	111°37'30"
11	29.34'	67.50'	24°54'28"
12	39.90'	34.50'	66°15'27"
13	30.63'	19.50'	90°00'00"
14	30.63'	19.50'	90°00'00"

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

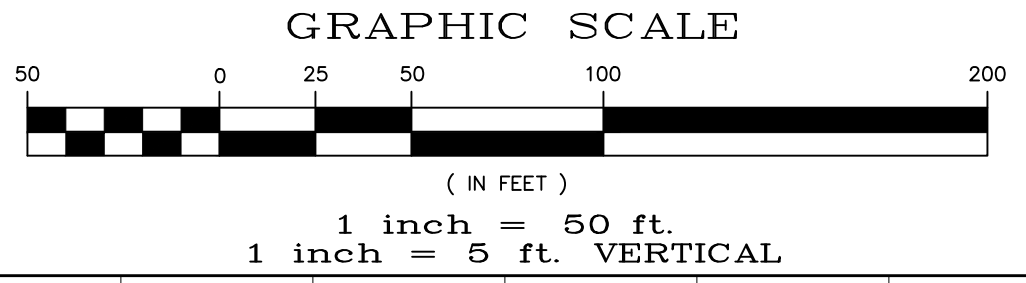
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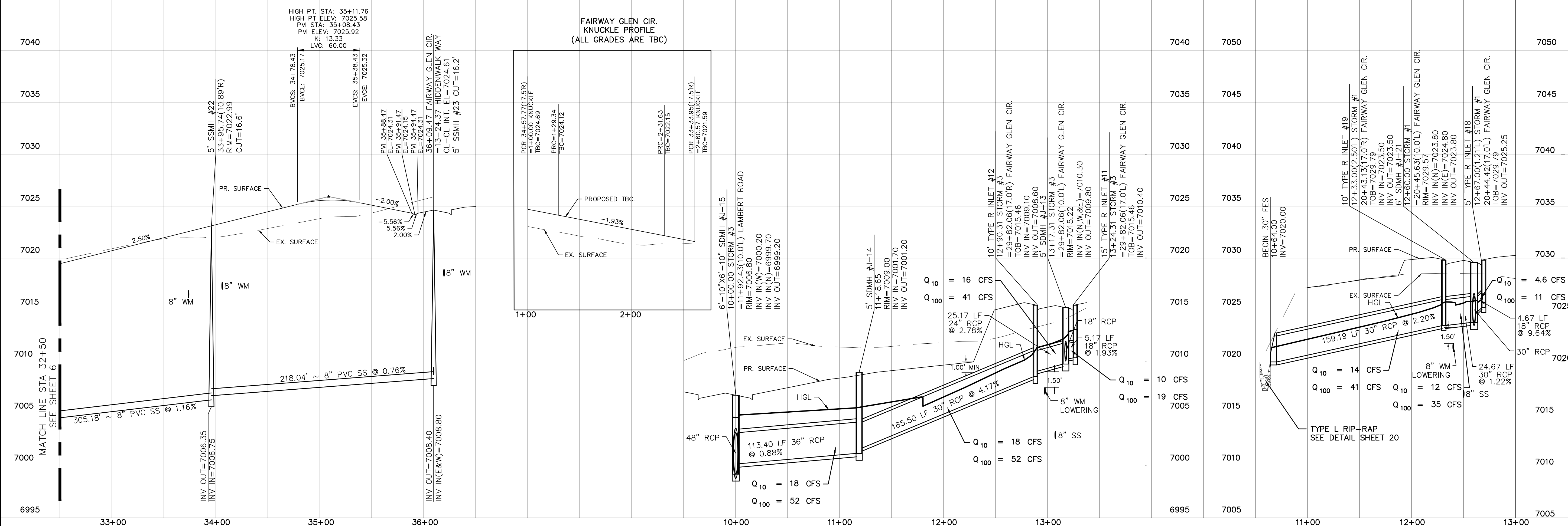
# FAIRWAY GLEN CIR.

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



# STORM #3

# STORM #1



Date

Date

Date

Date

Date

Revisions

No.

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WINDINGWALK FI AT MERIDIAN RANCH  
STREET AND UTILITY PLANS  
FAIRWAY GLEN CIR.  
+ STORM #1 + STORM #3

Scale AS SHOWN

Drawn by LOG

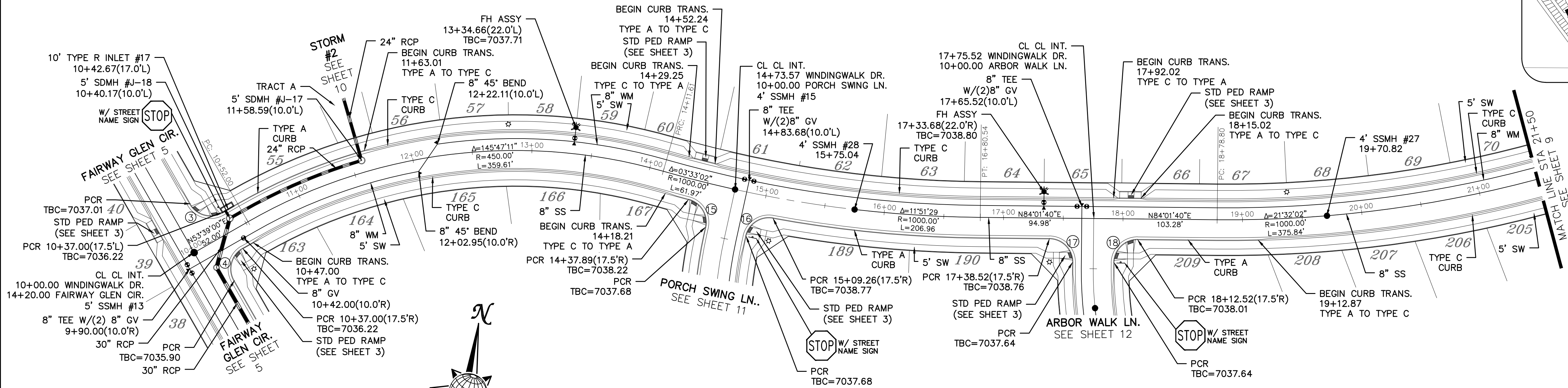
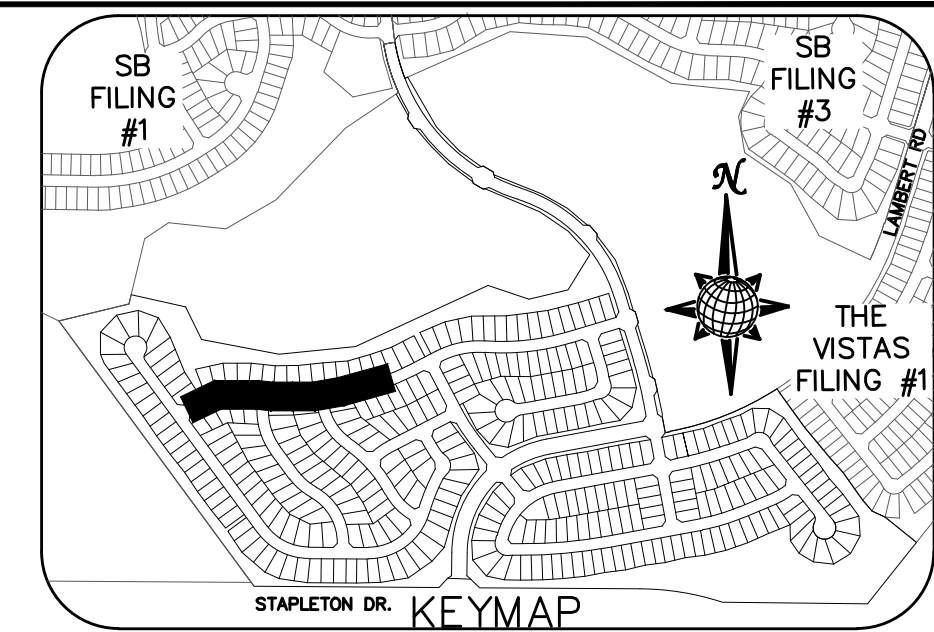
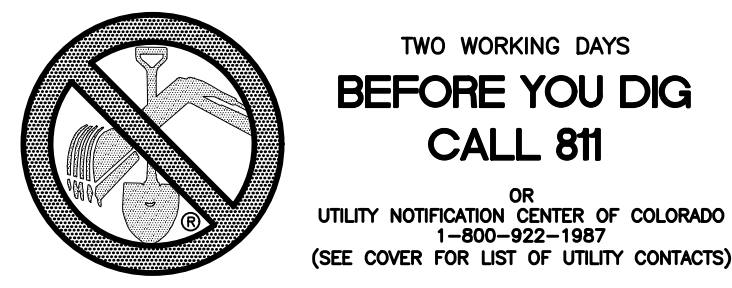
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Date MAY 2008

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COLORADO LICENSED PROFESSIONAL ENGINEER

3/14/2008



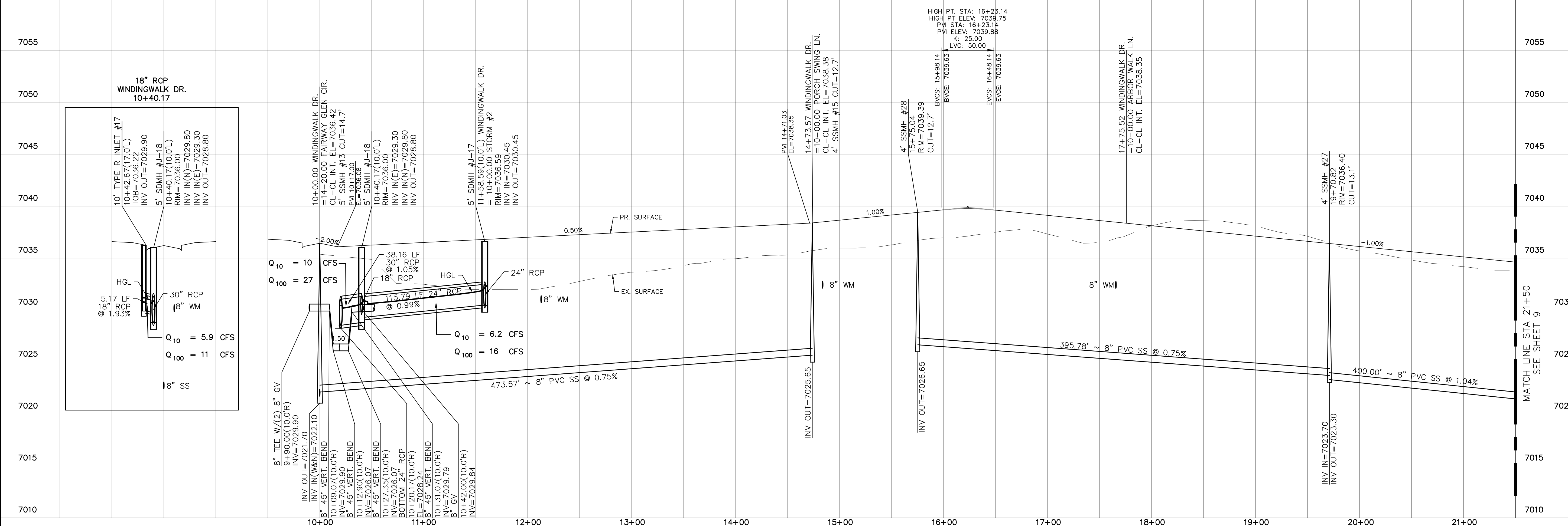
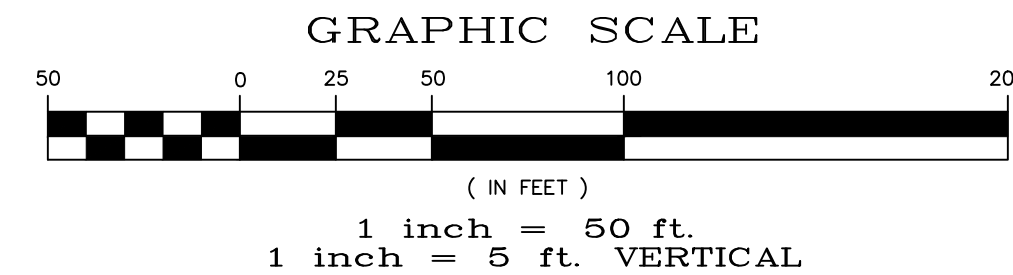
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
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4	30.63'	19.50'	90°00'00"
15	29.93'	19.50'	87°57'19"
16	29.93'	19.50'	87°57'19"
17	30.63'	19.50'	90°00'00"
18	30.63'	19.50'	90°00'00"

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



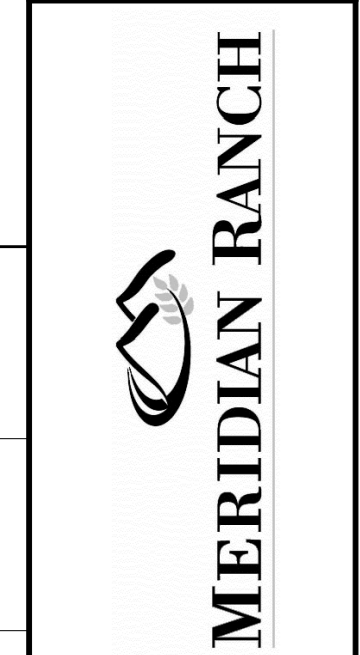
# WINDINGWALK DR.

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



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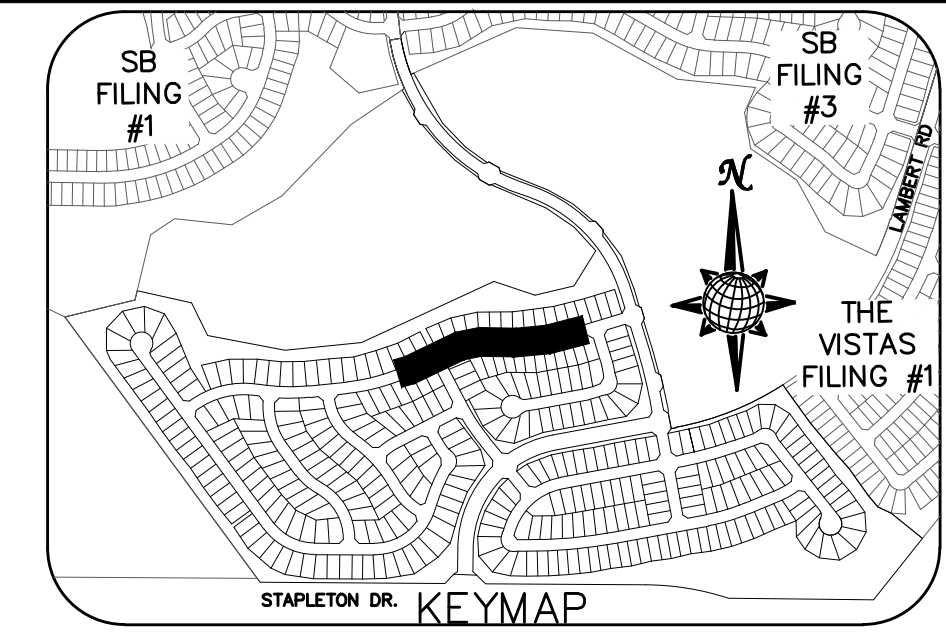
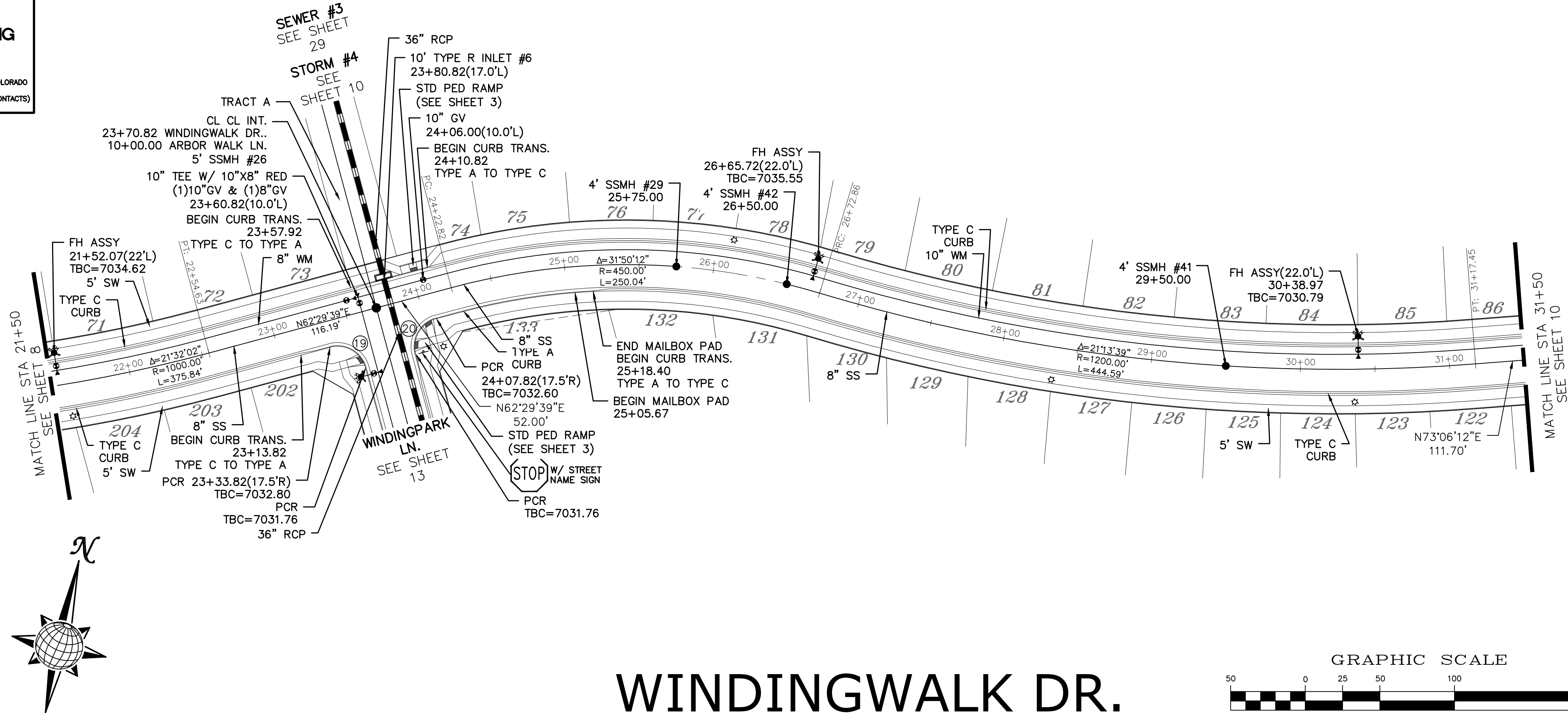
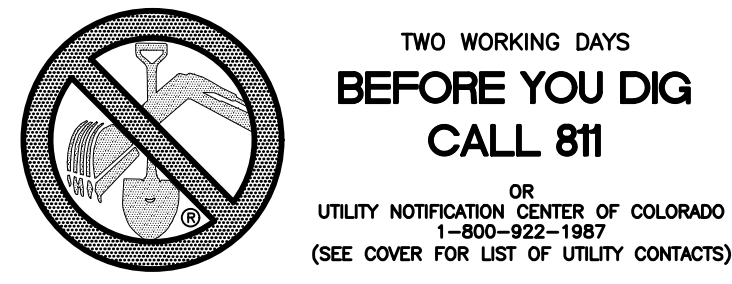


WINDINGWALK FI AT MERIDIAN RANCH  
STREET AND UTILITY PLANS  
WINDINGWALK DR.

Scale AS SHOWN  
8 of 55  
Drawn by LOG  
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Date MAY 2018





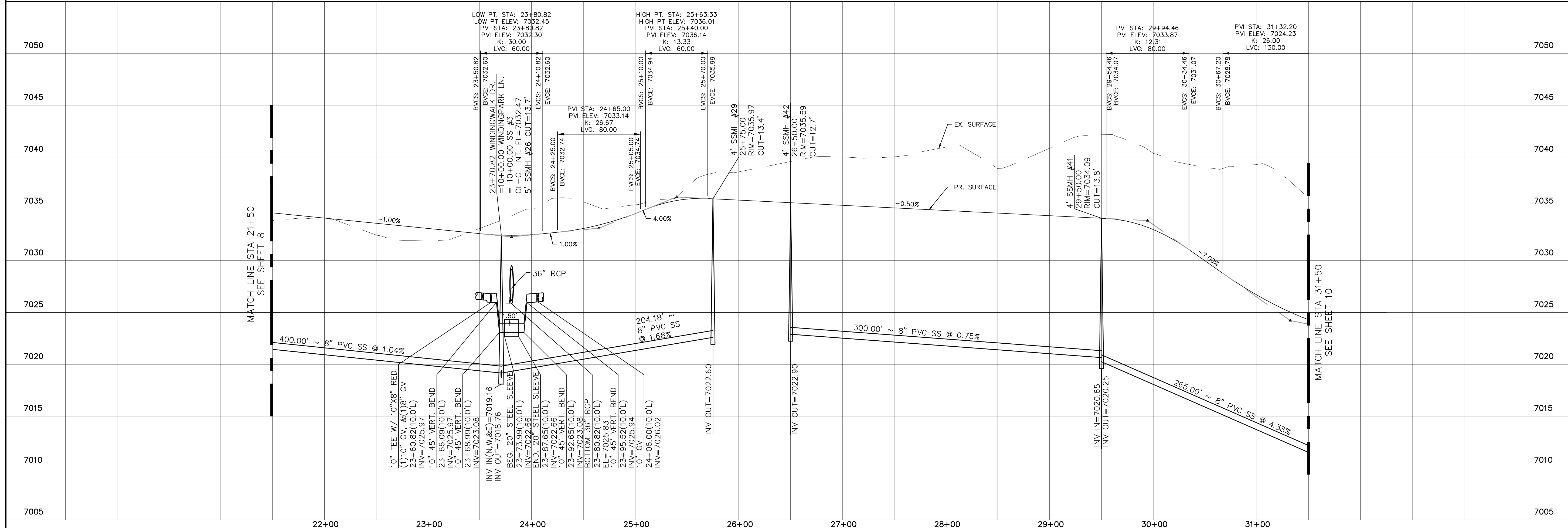
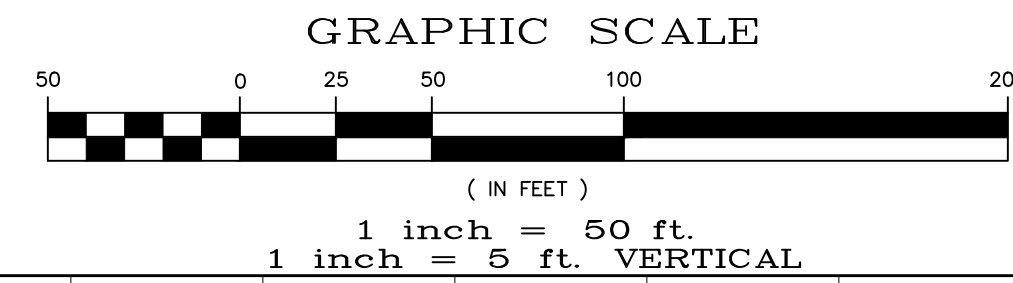


CURVE	LENGTH	RADIUS	DELTA
19	30.63'	19.50'	90°00'00"
20	30.63'	19.50'	90°00'00"

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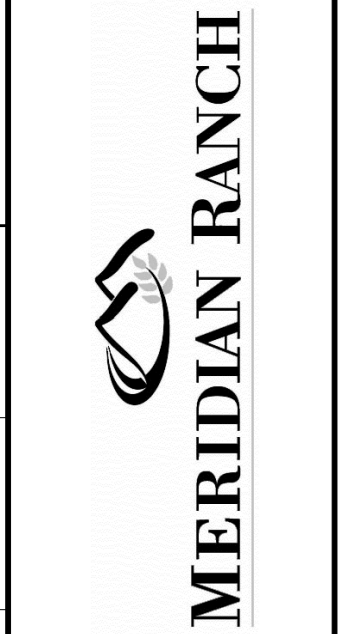
# WINDINGWALK DR.

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



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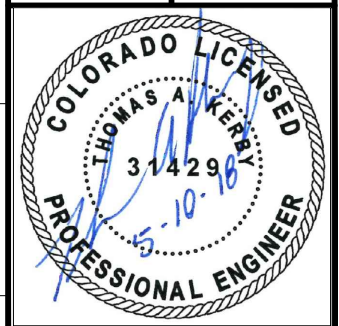
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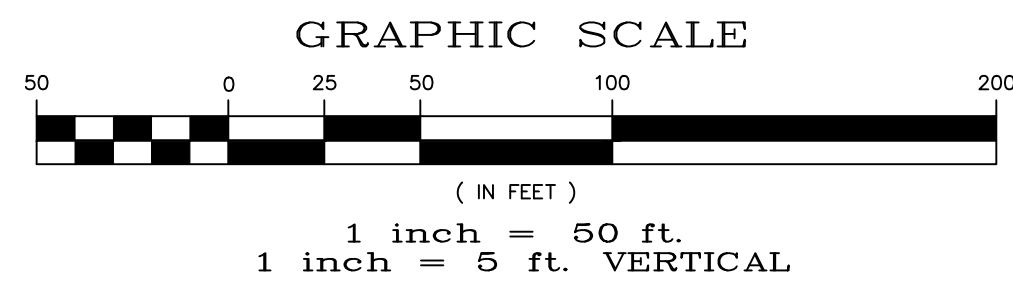
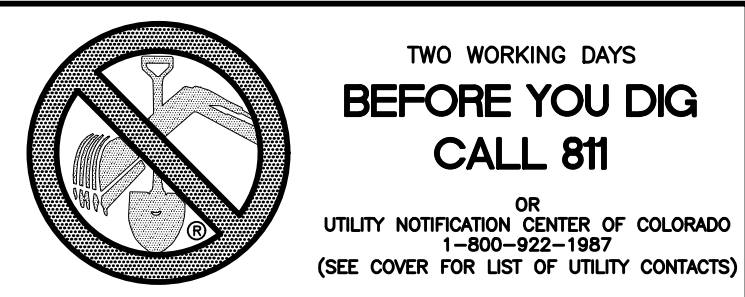


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STREET AND UTILITY PLANS  
WINDINGWALK DR.

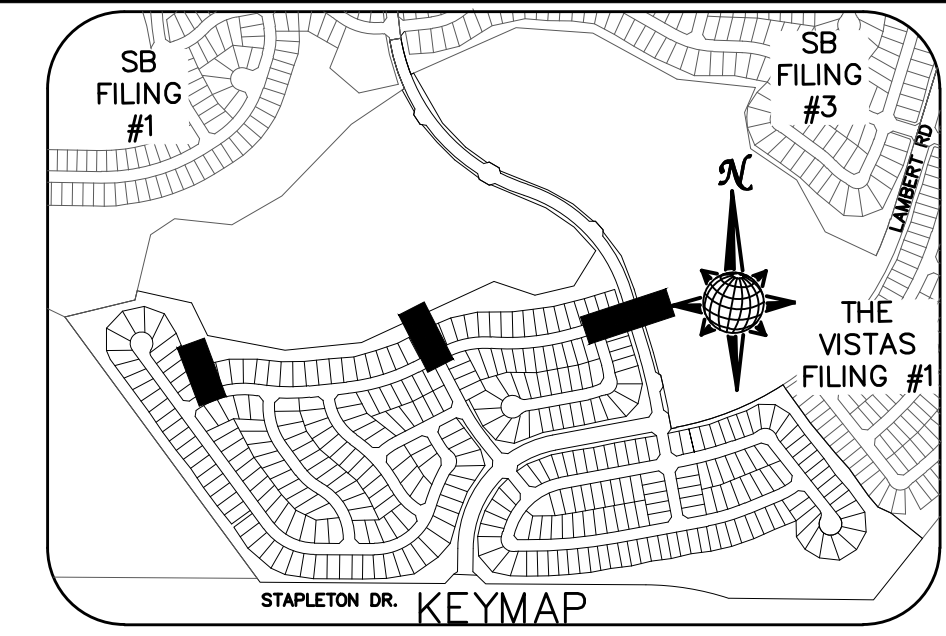
Drawn by  
Checked by  
Date

Scale  
AS SHOWN  
9 of 55  
Date  
MAY 2018

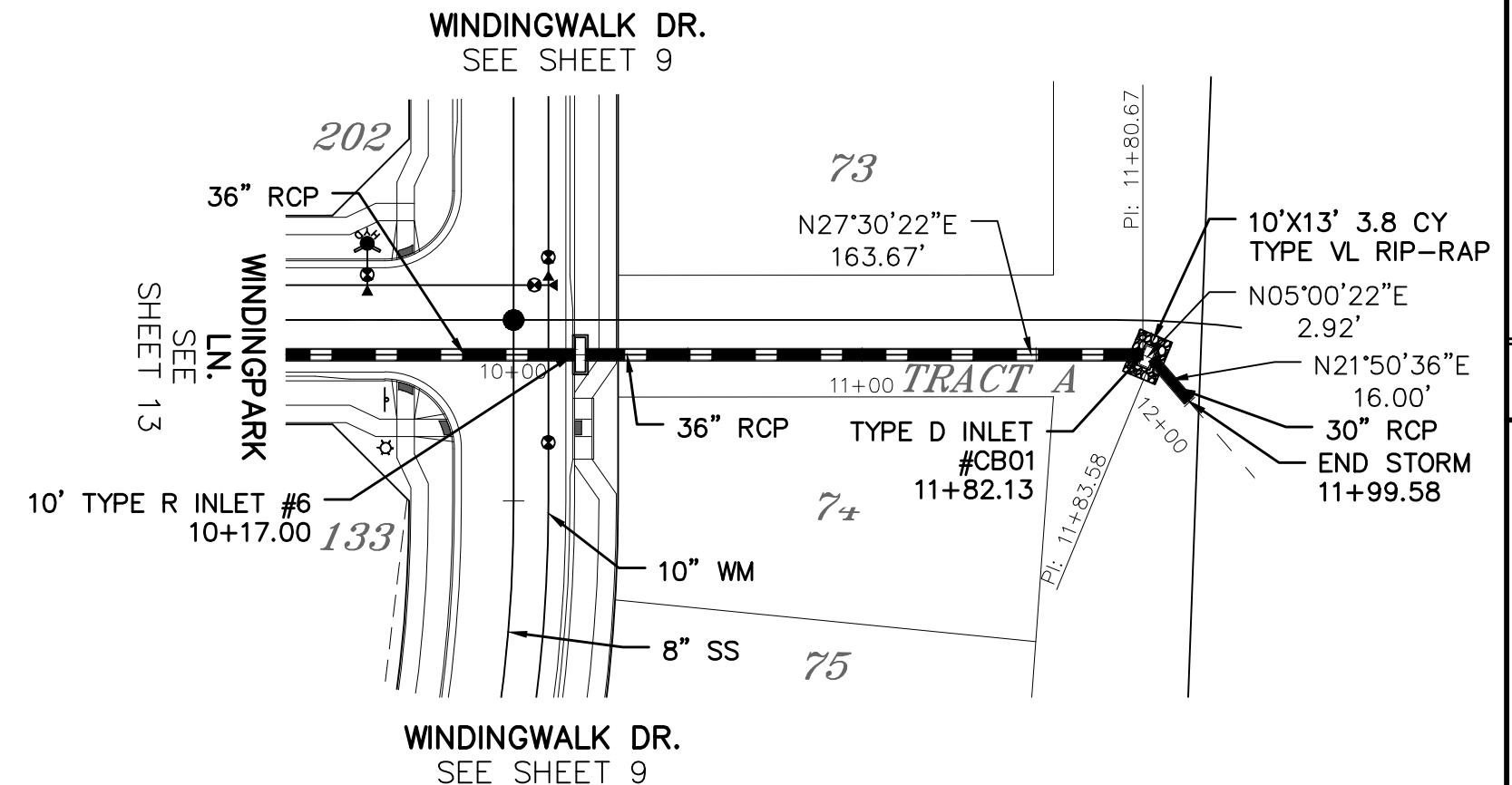
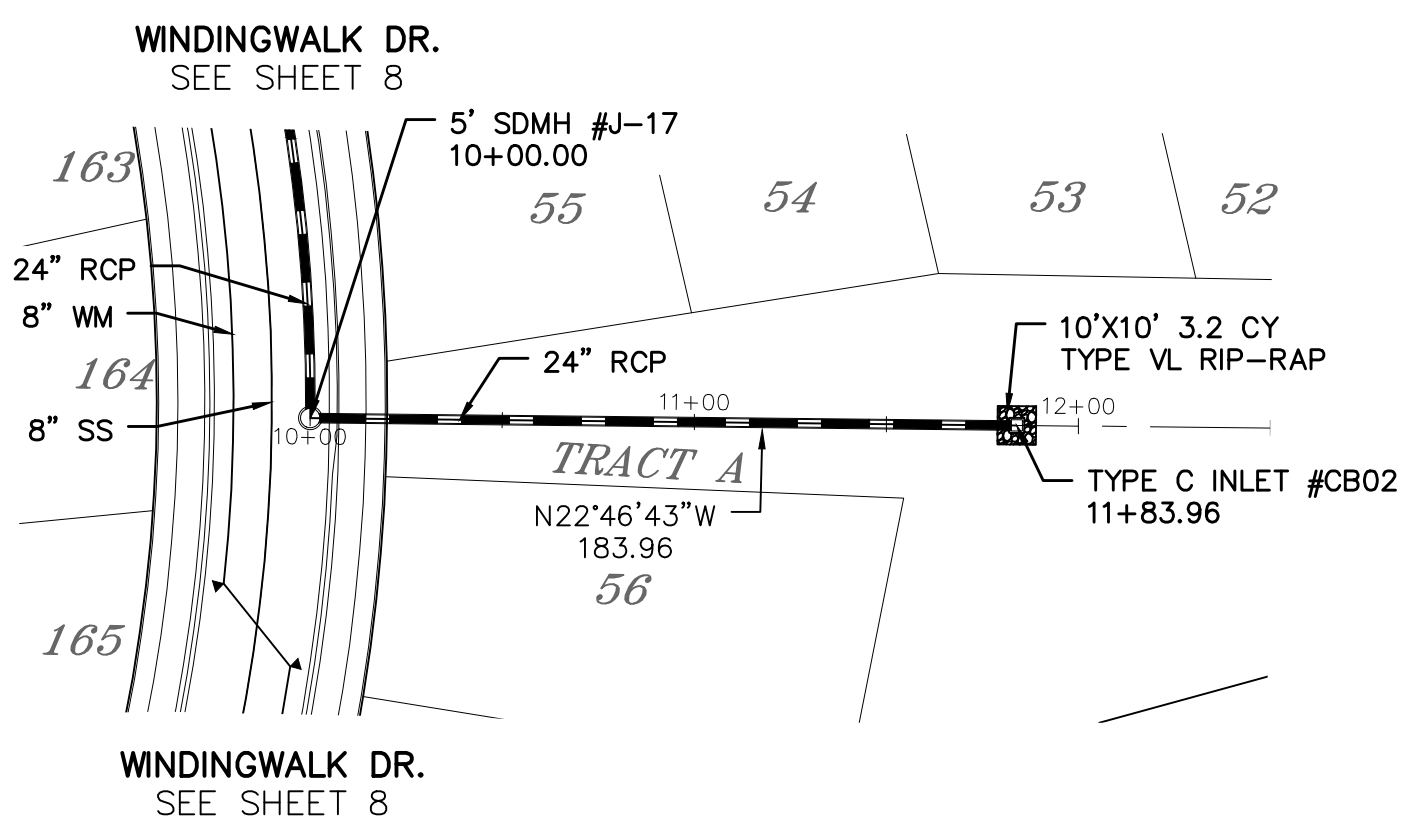
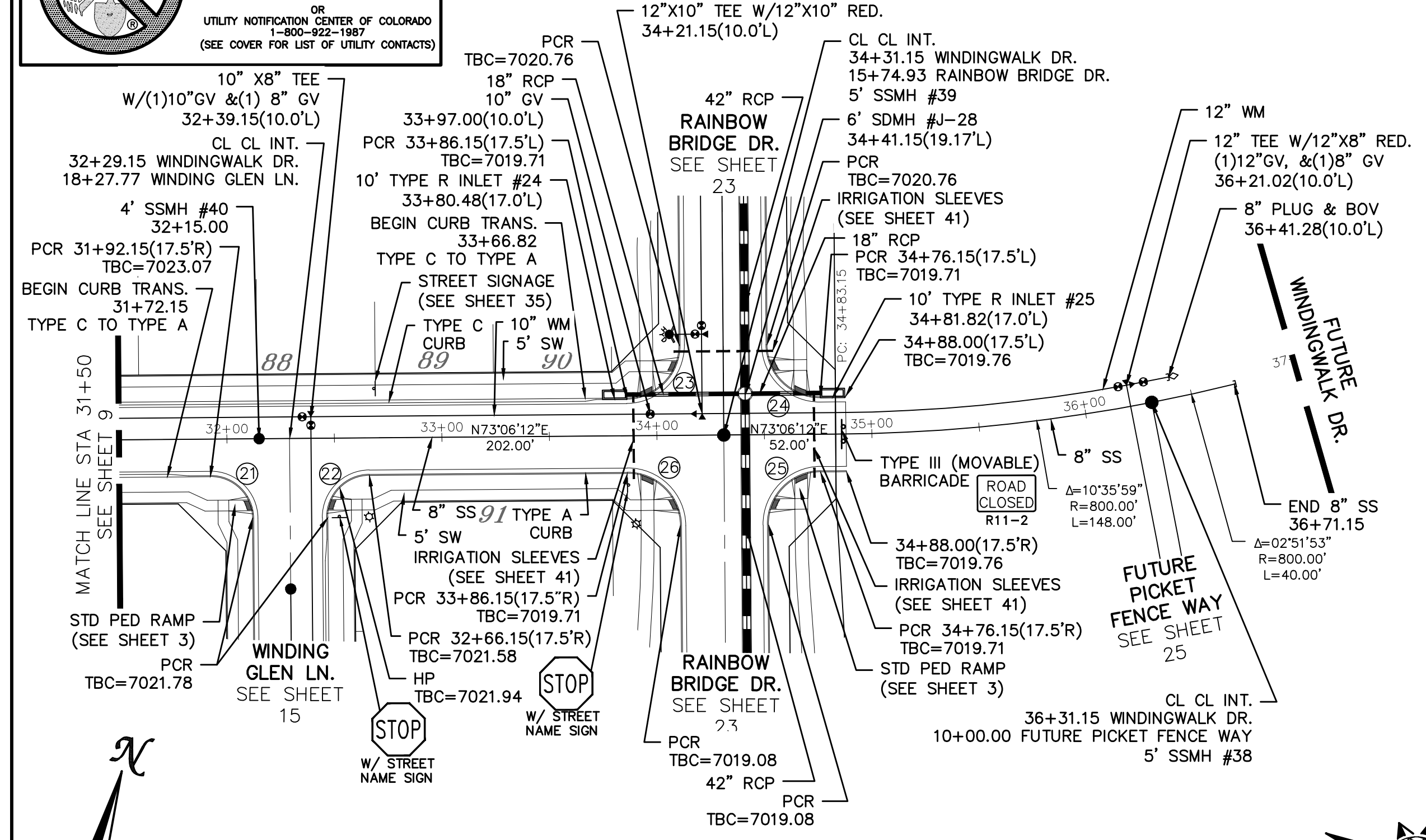




CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
21	30.63'	19.50'	90°00'00"
22	30.63'	19.50'	90°00'00"
23	38.48'	24.50'	90°00'00"
24	38.48'	24.50'	90°00'00"
25	38.48'	24.50'	90°00'00"
26	38.48'	24.50'	90°00'00"



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

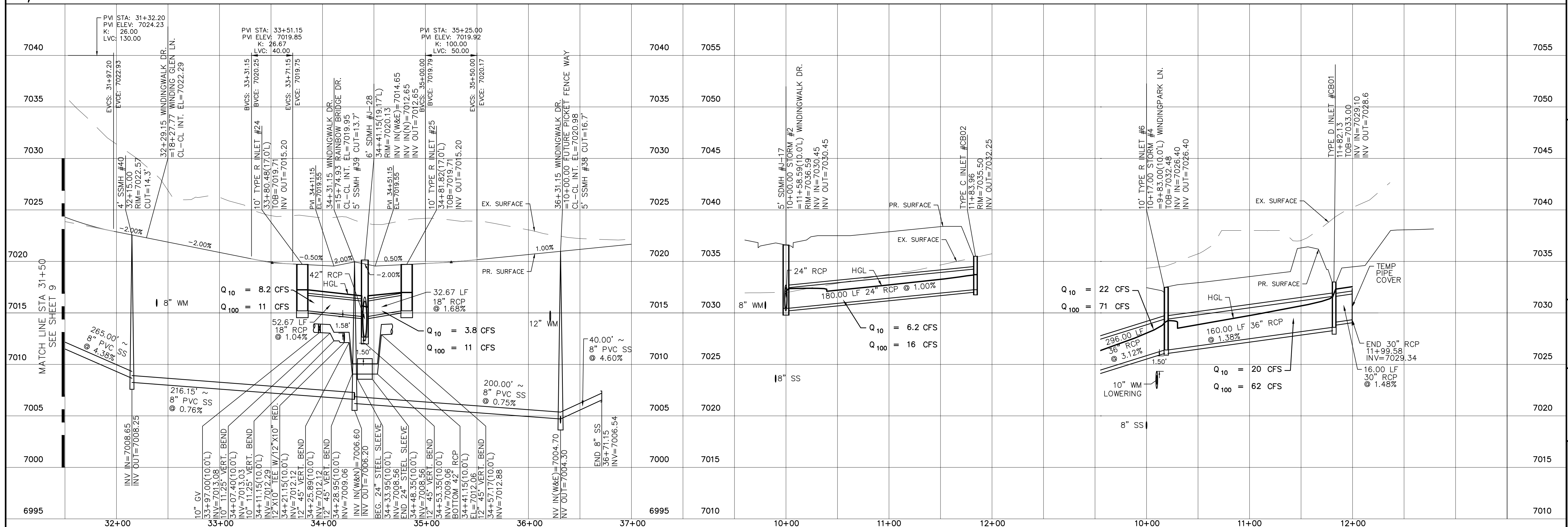


# WINDINGWALK DR.

# STORM #2

# STORM #4

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



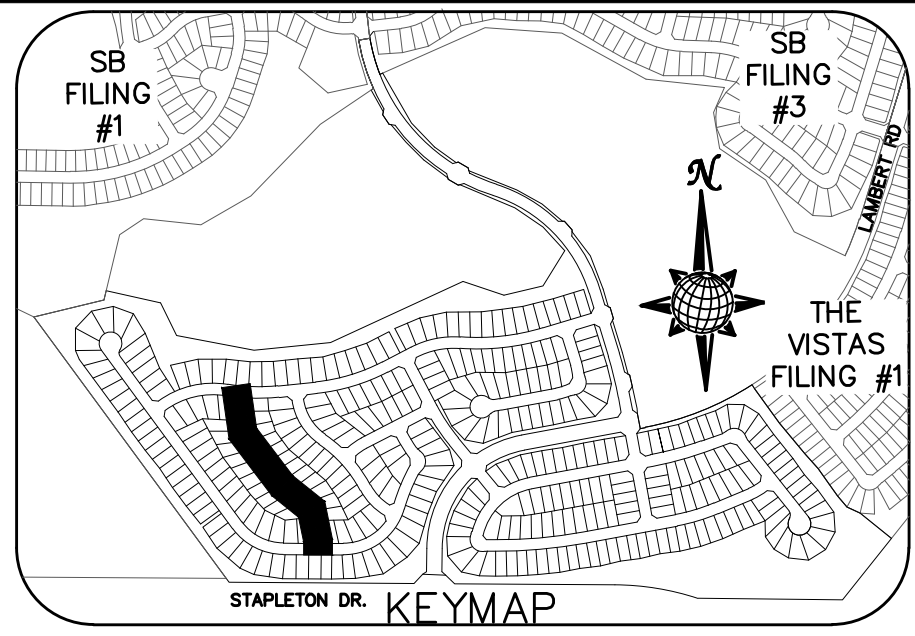
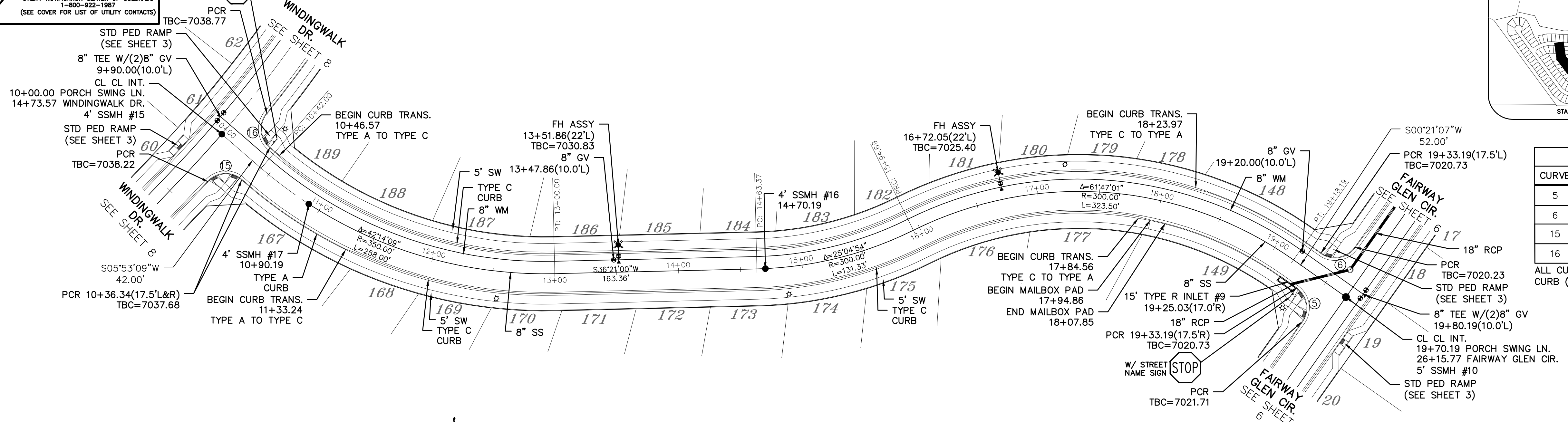
Drawn by	LOG	Checked by	TAK	Date	MAY 2018
Scale	AS SHOWN	10	of	55	
<p>WINDINGWALK FI AT MERIDIAN RANCH STREET AND UTILITY PLANS WINDINGWALK DR. + STORM #2 + STORM#4</p>					
<p>TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457</p>					
No.	Revisions				Date



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

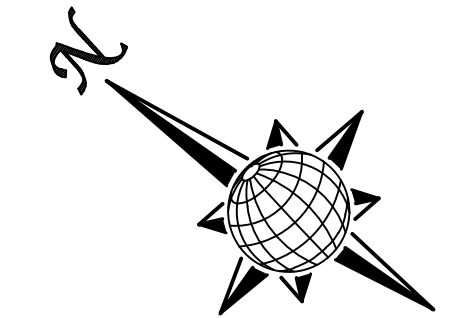
OR  
UTILITY NOTIFICATION CENTER OF COLORADO  
1-800-922-1987  
(SEE COVER FOR LIST OF UTILITY CONTACTS)

W/ STREET NAME SIGN  
STOP



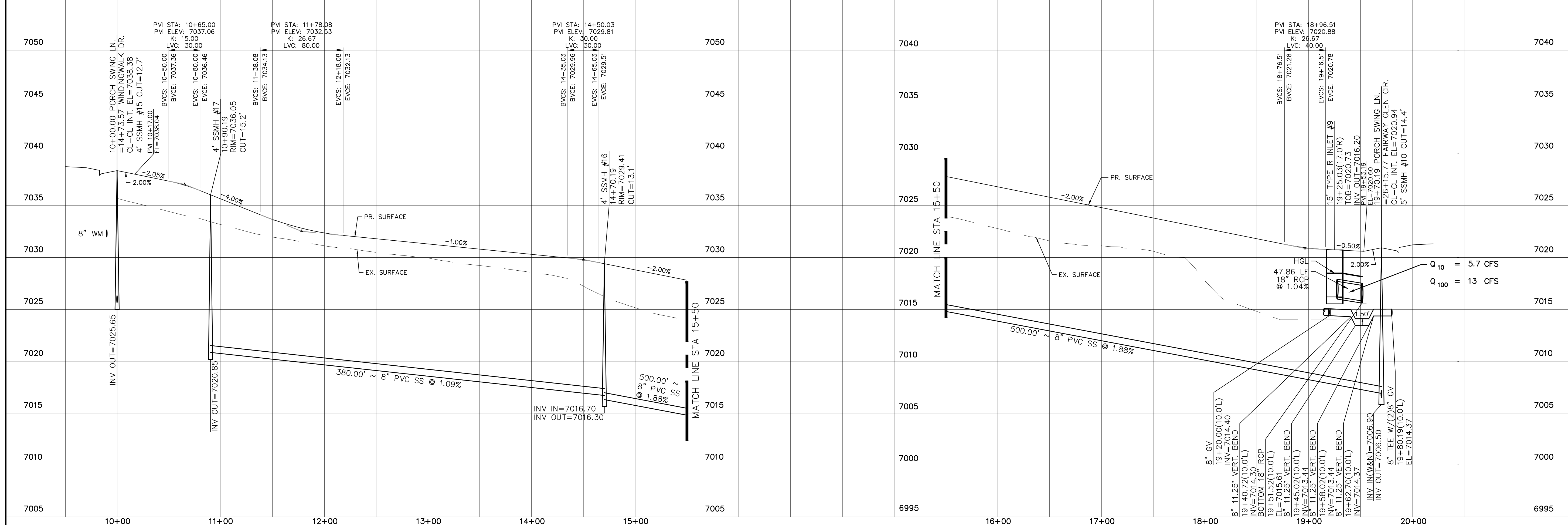
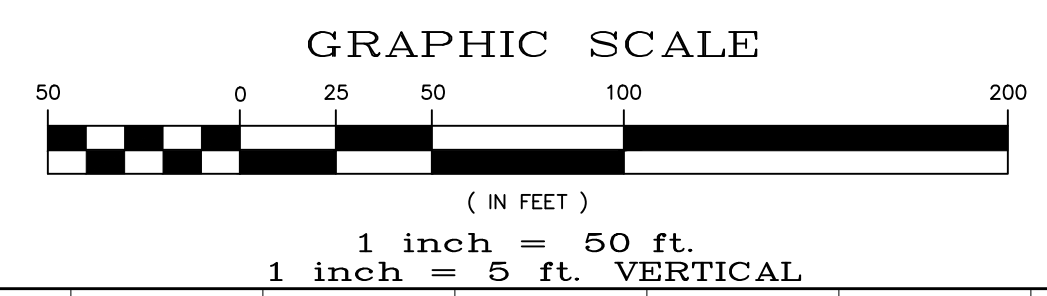
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
5	30.63'	19.50'	90°00'00"
6	30.63'	19.50'	90°00'00"
15	29.93'	19.50'	87°57'19"
16	29.93'	19.50'	87°57'19"

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

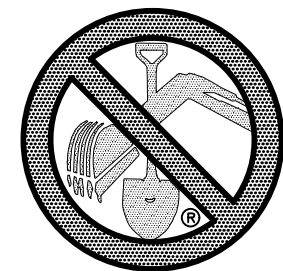


# PORCH SWING LN.

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 2018

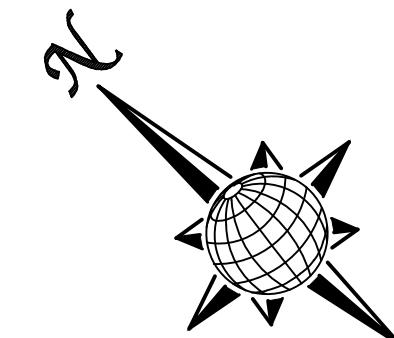
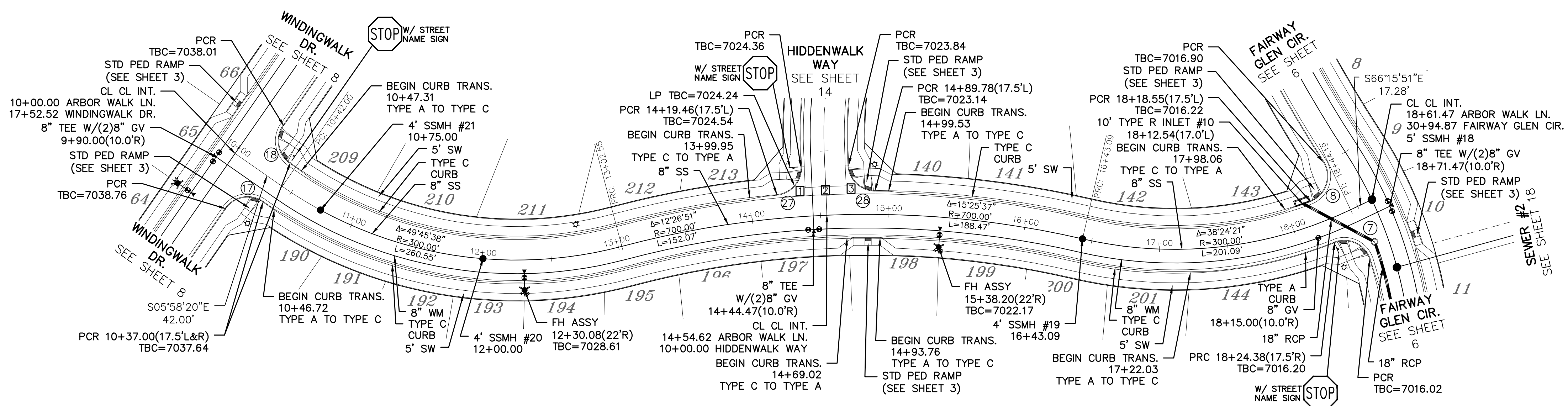
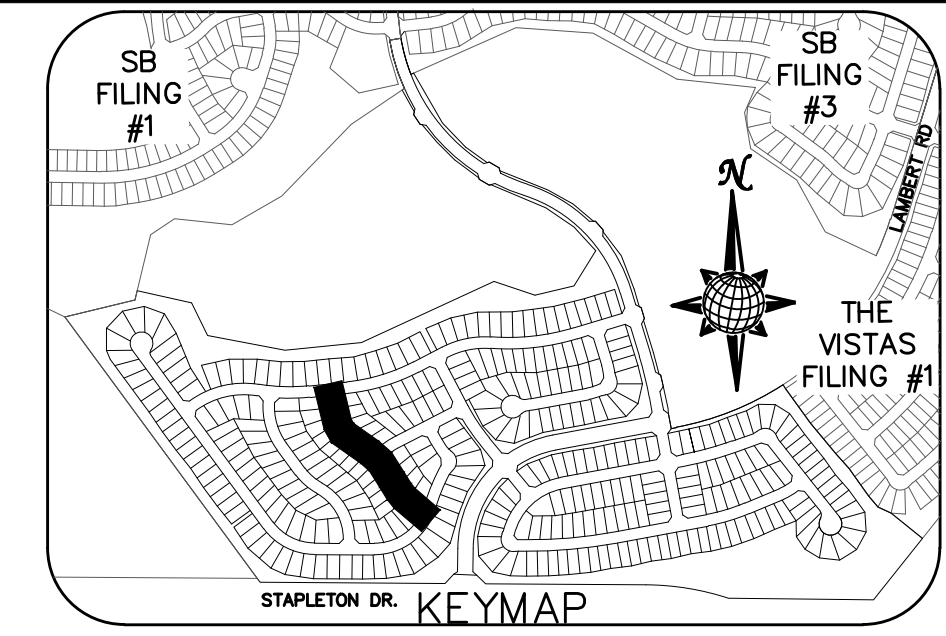


TWO WORKING DAYS  
**BEFORE YOU DIG**  
**CALL 811**

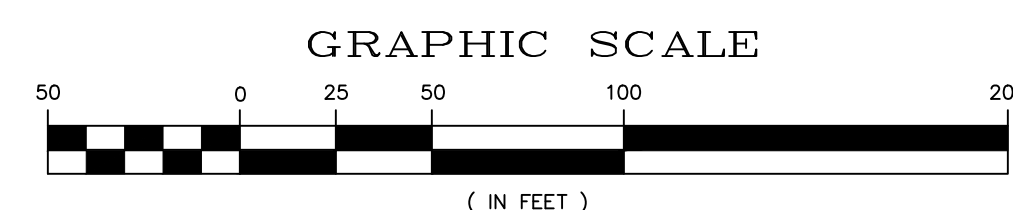
OR  
UTILITY NOTIFICATION CENTER OF COLORADO  
1-800-922-1987  
(SEE COVER FOR LIST OF UTILITY CONTACTS)

INSTALL CROSS PAN  
PER COUNTY STD  
SD-2-26

□ = 7023.67  
□ = 7023.34  
□ = 7023.00



# ARBOR WALK LN.

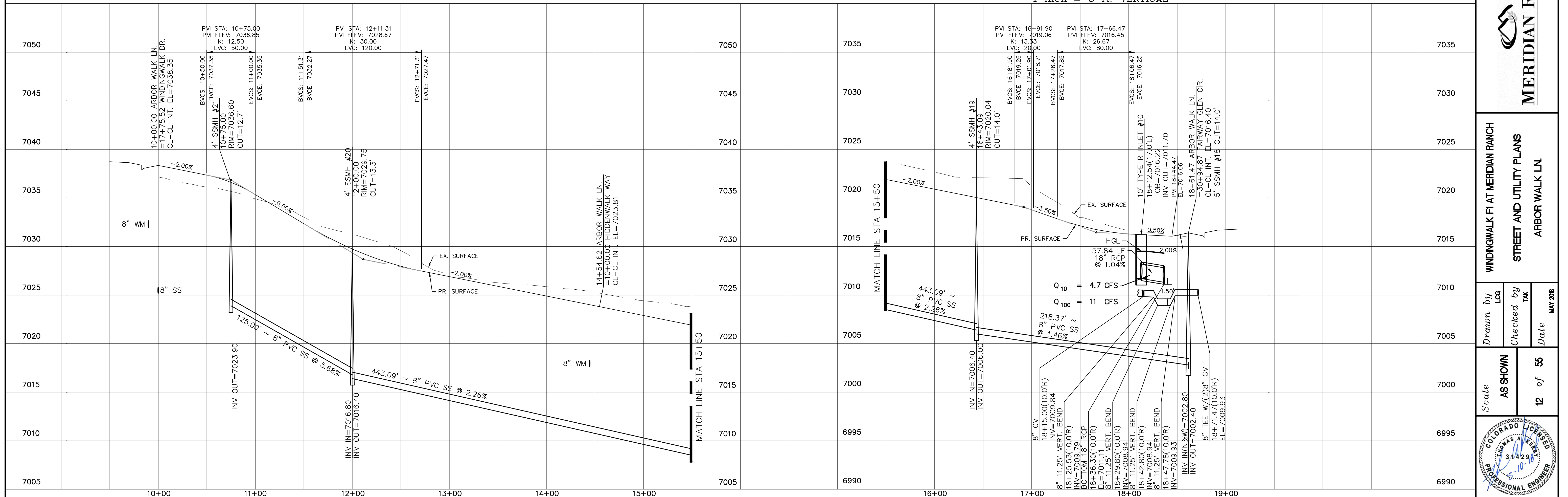


CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
7	32.04'	19.50'	94°08'36"
8	34.84'	19.50'	102°22'10"
17	30.63'	19.50'	90°00'00"
18	30.63'	19.50'	90°00'00"
27	29.65'	19.50'	87°07'20"
28	29.65'	19.50'	87°07'20"

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

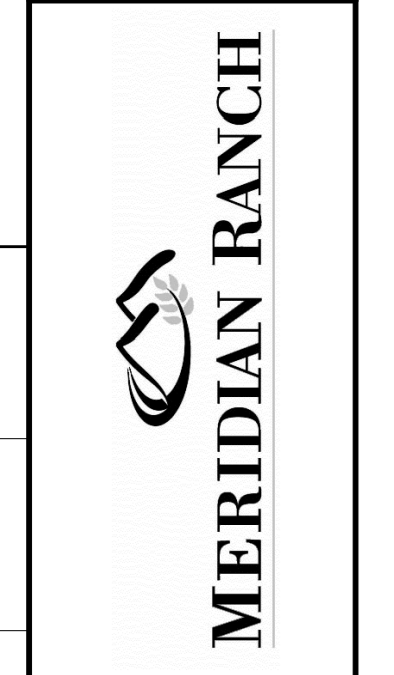
URBAN LOCAL, 60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)

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



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  
ARBOR WALK LN.

Drawn by  
LOG

Checked by  
TAK

Date  
MAY 2008

Scale  
AS SHOWN

12 of 55



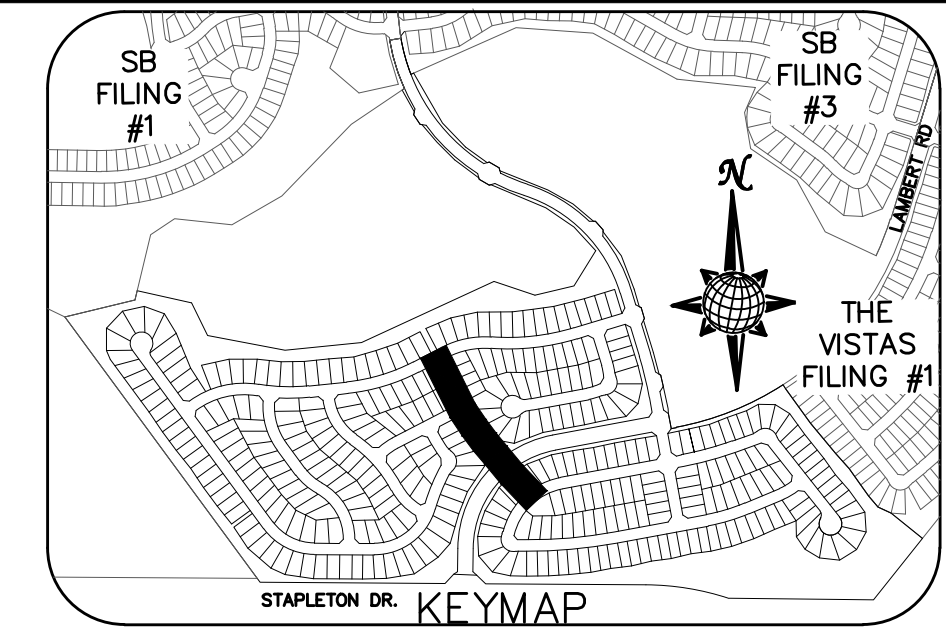


TWO WORKING DAYS  
**BEFORE YOU DIG**  
**CALL 811**

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

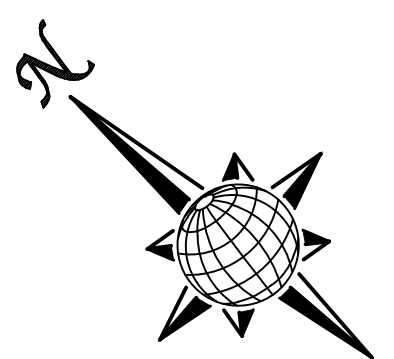
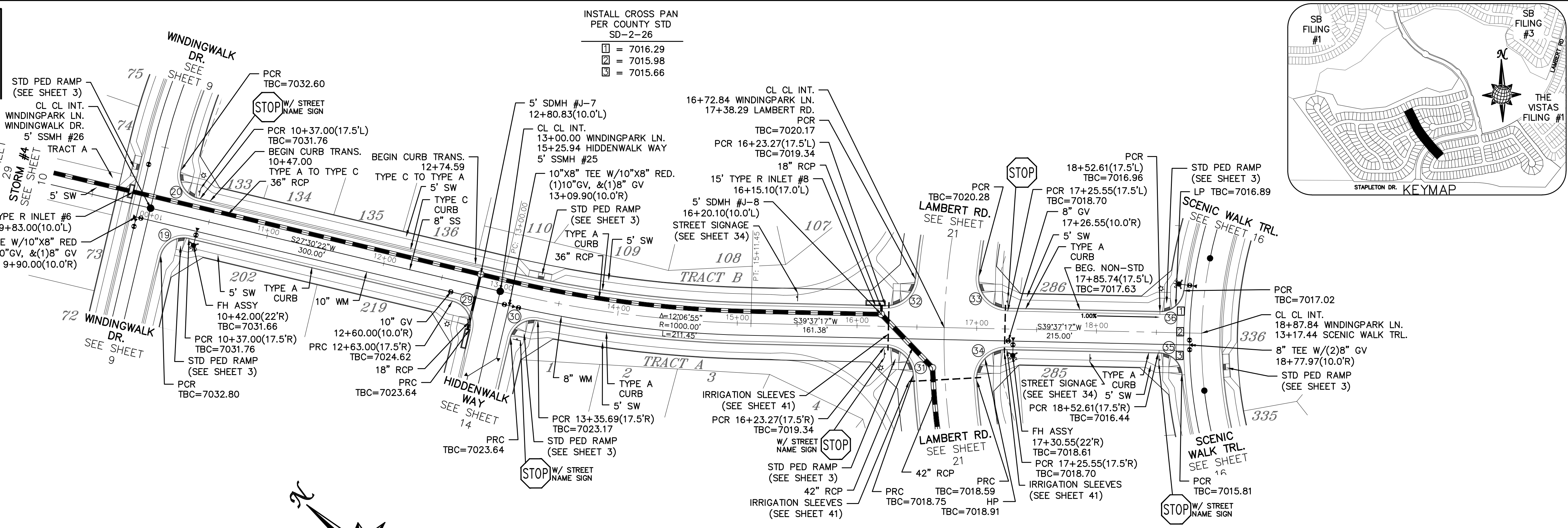
INSTALL CROSS PAN  
PER COUNTY STD  
SD-2-26

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



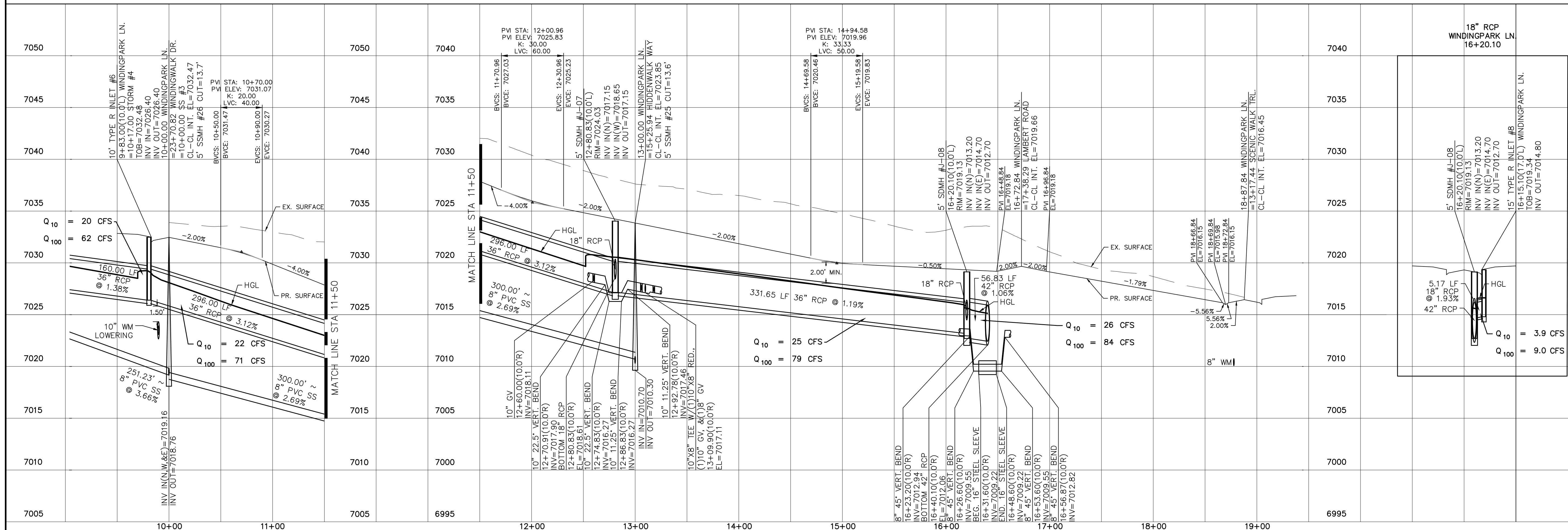
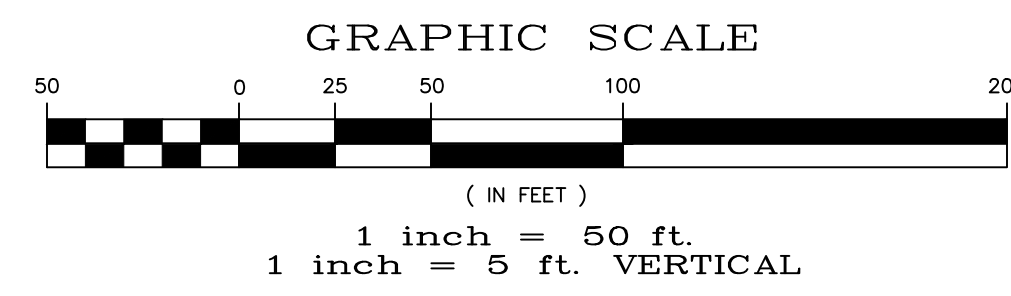
CURVE	LENGTH	RADIUS	DELTA
19	30.63'	19.50'	90°00'00"
20	30.63'	19.50'	90°00'00"
29	30.63'	19.50'	90°00'00"
30	29.93'	19.50'	87°57'19"
31	36.81'	24.50'	86°05'26"
32	36.81'	24.50'	86°05'26"
33	40.49'	24.50'	94°41'13"
34	40.49'	24.50'	94°41'13"
35	28.76'	19.50'	84°30'49"
36	28.76'	19.50'	84°30'49"

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

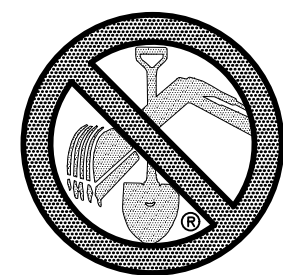


# WINDINGPARK LN.

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



Date	
Appr.	
Date	
Revisions	
No.	
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457	
<b>MERIDIAN RANCH</b>	
WINDINGPARK LN AT MERIDIAN RANCH STREET AND UTILITY PLANS WINDINGPARK LN	
Scale	AS SHOWN
Drawn by	LOG
Checked by	TAK
Date	MAY 2008
13 of 55	

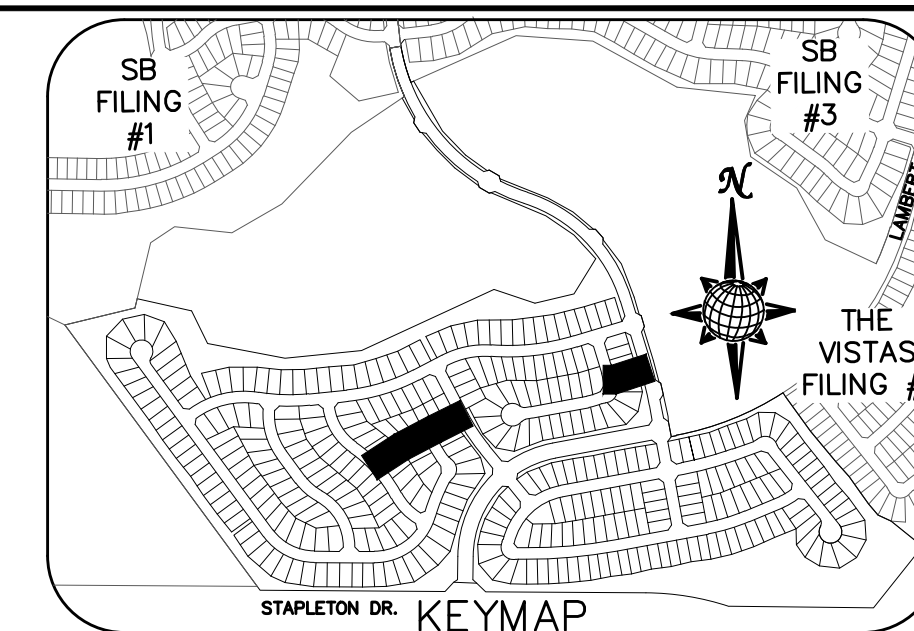


TWO WORKING DAYS  
**BEFORE YOU DIG**  
**CALL 811**

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

INSTALL CROSS PAN  
PER COUNTY STD  
SD-2-26

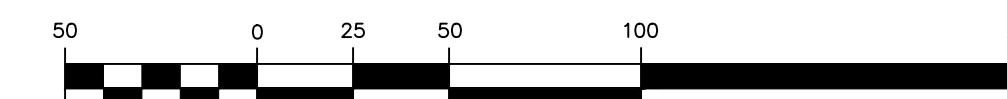
- 1 = 7023.67
- 2 = 7023.34
- 3 = 7023.00
- 4 = 7024.32
- 5 = 7024.15
- 6 = 7023.98



CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
13	30.63'	19.50'	90°00'00"
14	30.63'	19.50'	90°00'00"
27	29.65'	19.50'	87°07'20"
28	29.65'	19.50'	87°07'20"
29	30.63'	19.50'	90°00'00"
30	29.93'	19.50'	87°57'19"

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

GRAPHIC SCALE

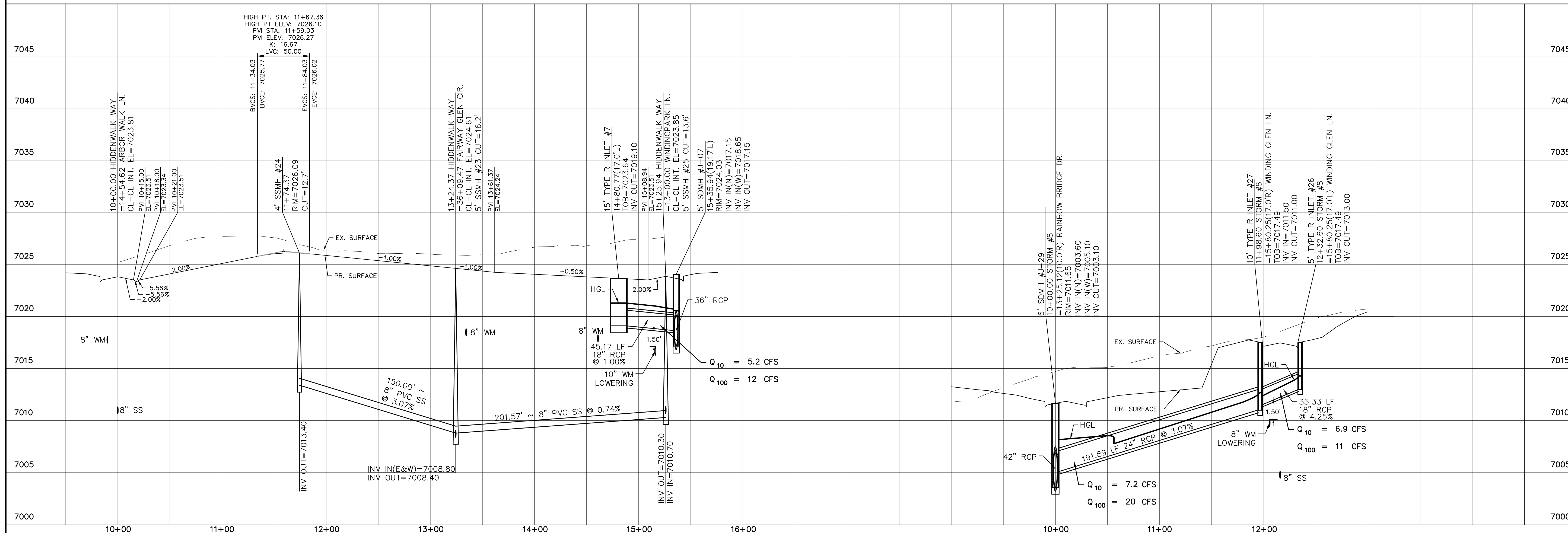


( IN FEET )  
1 inch = 50 ft.  
1 inch = 5 ft. VERTICAL

# HIDDENWALK WAY

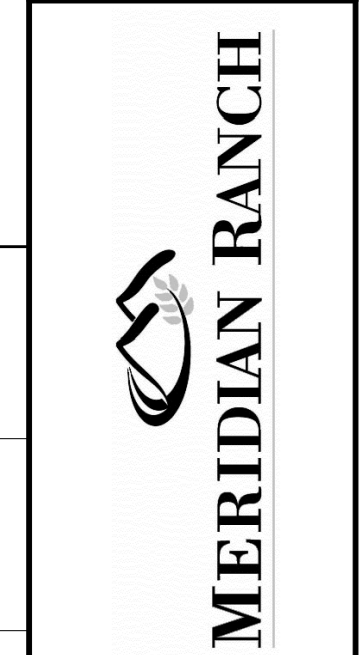
URBAN LOCAL, 60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)

# STORM #8



No.	Revisions	Date	Init.	Appr.	Date

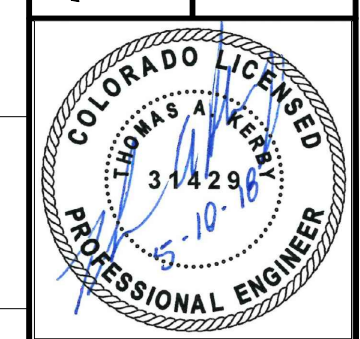
TECH CONTRACTORS  
11886 STAPLETON DRIVE  
FALCON, CO 80831  
TELEPHONE: 719.495.7444  
FAX: 719.495.2457



WINDINGWALK FI AT MERIDIAN RANCH  
STREET AND UTILITY PLANS  
HIDDENWALK WAY  
+ STORM #8

Drawn by  
Checked by  
Date

Scale  
AS SHOWN  
14 of 55  
Date  
MAY 2008

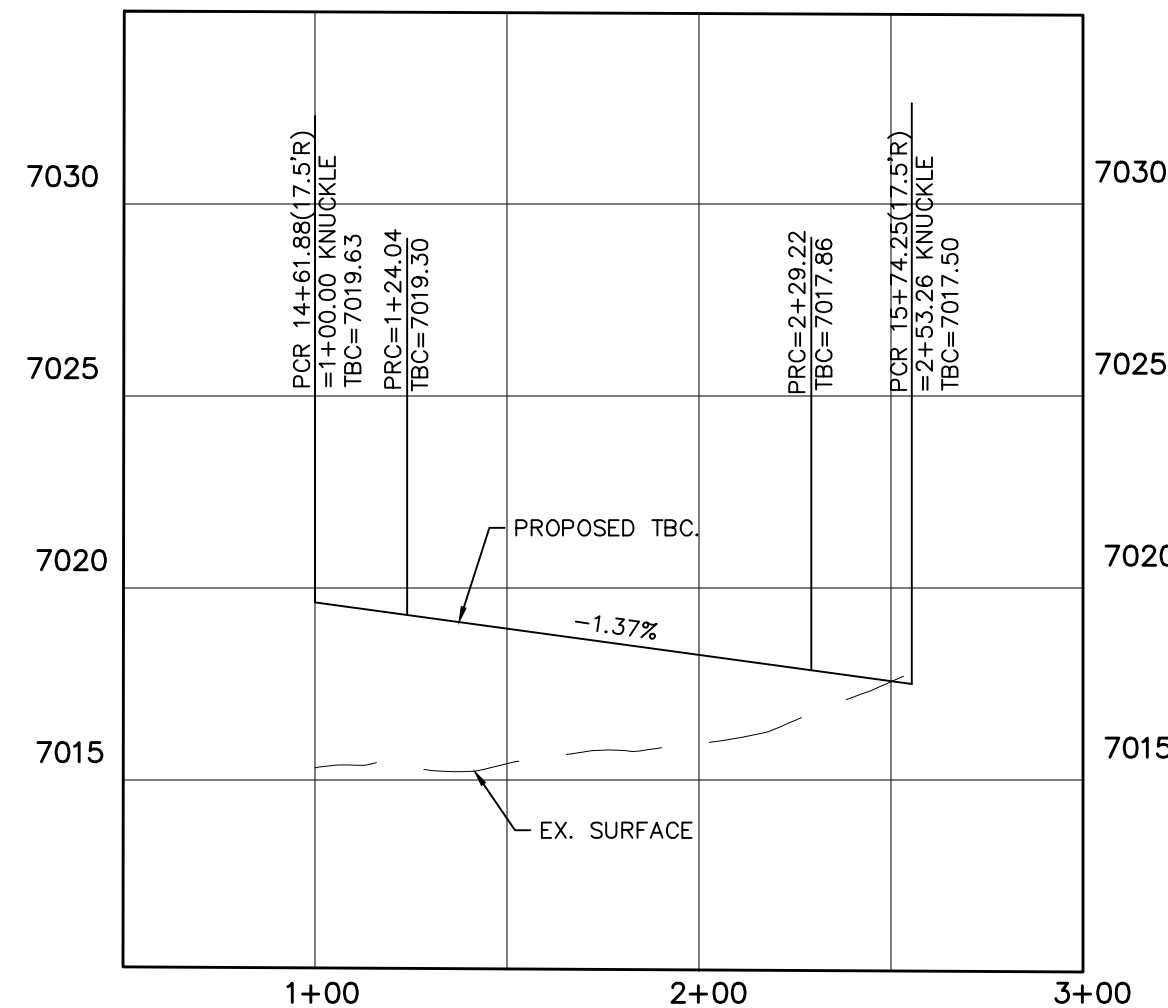




TWO WORKING DAYS  
**BEFORE YOU DIG  
CALL 811**

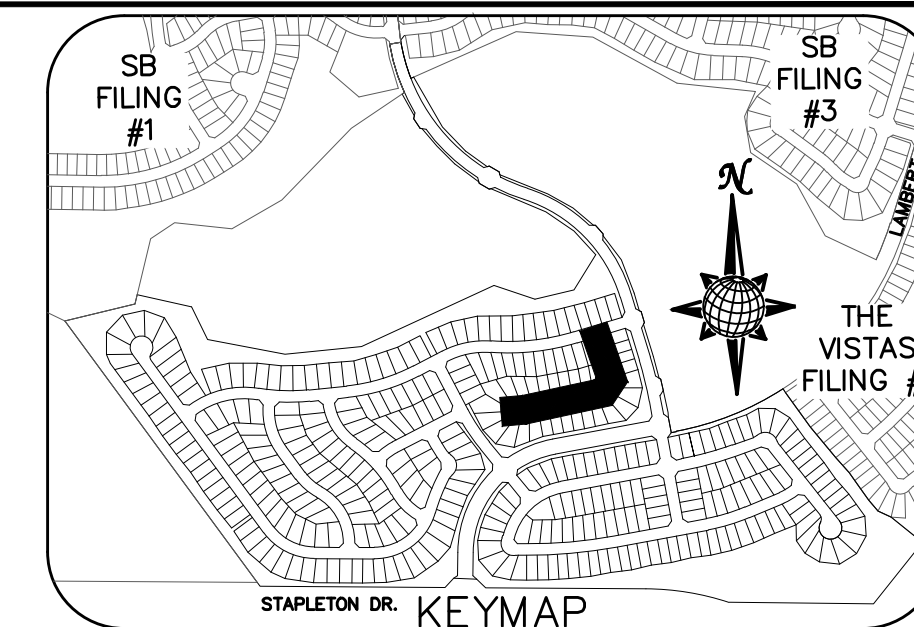
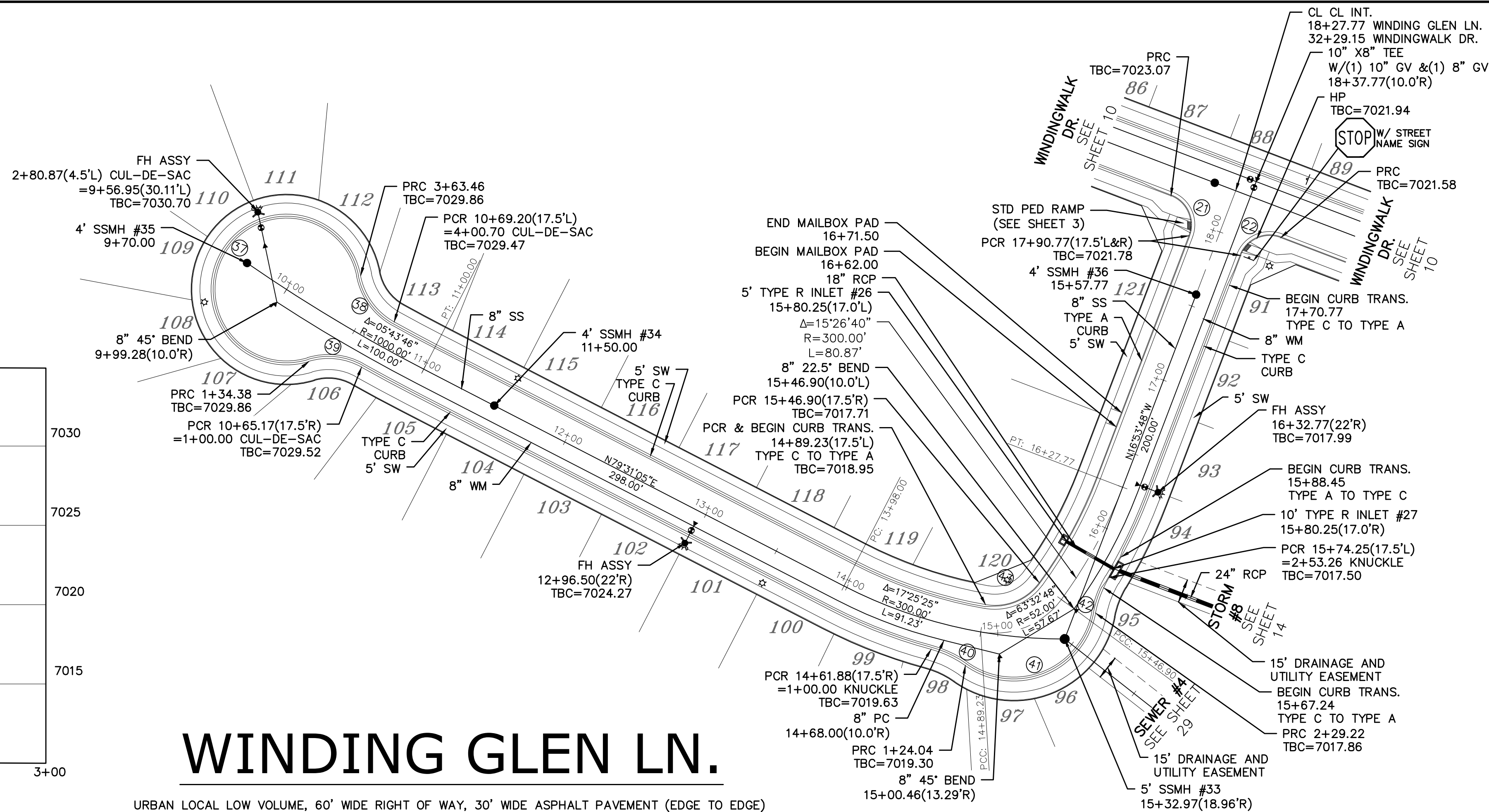
OR  
UTILITY NOTIFICATION CENTER OF COLORADO  
1-800-922-1987  
(SEE COVER FOR LIST OF UTILITY CONTACTS)

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



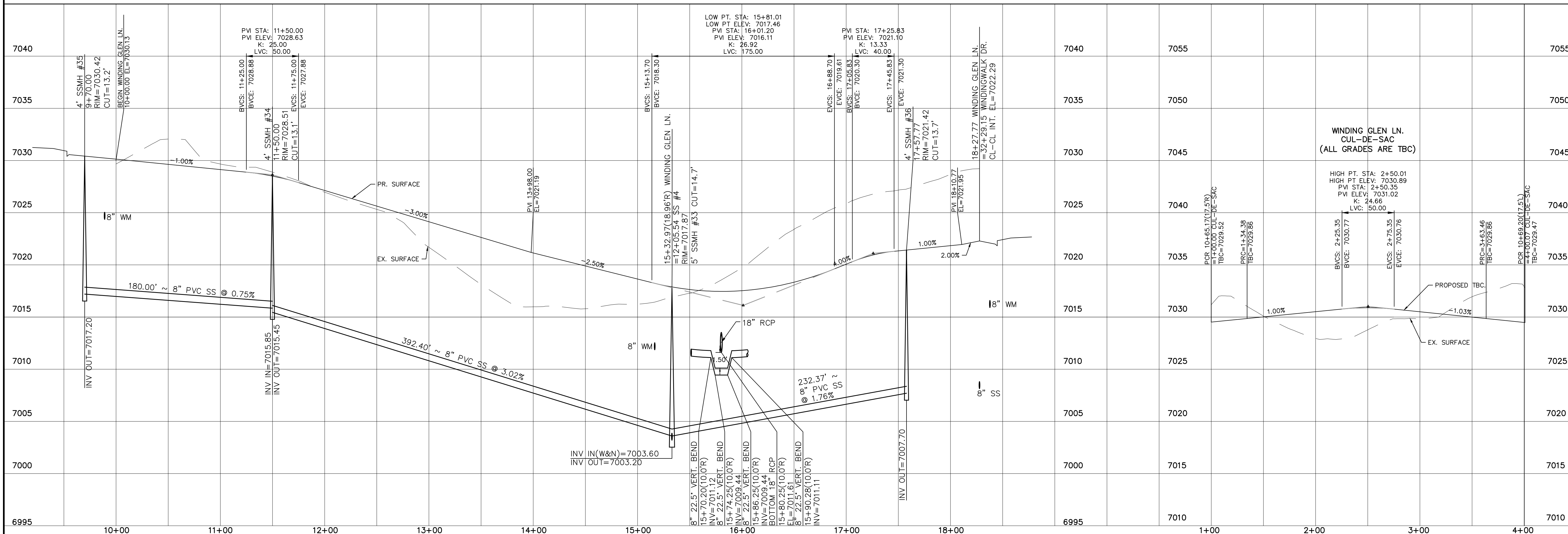
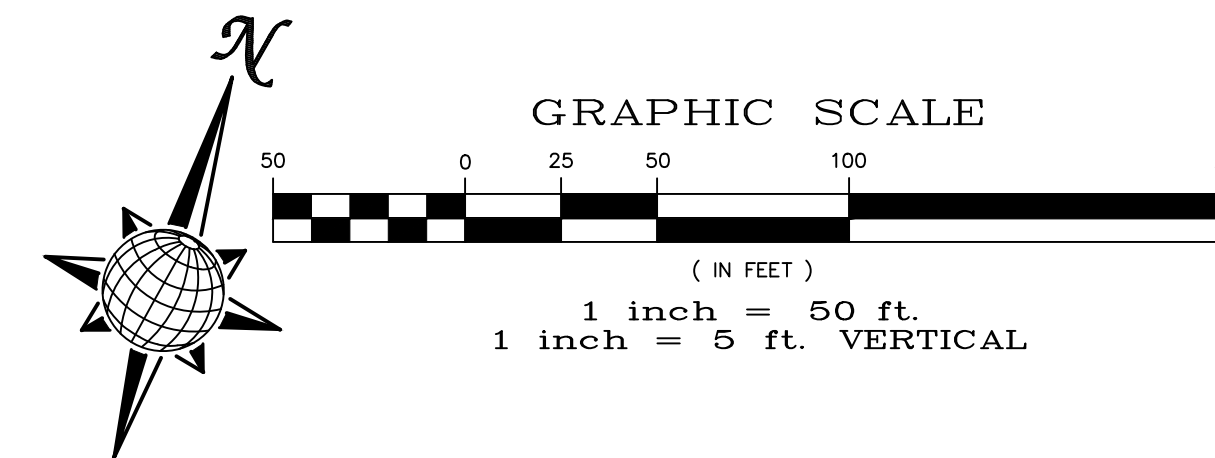
# WINDING GLEN LN.

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



CURVE	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.)

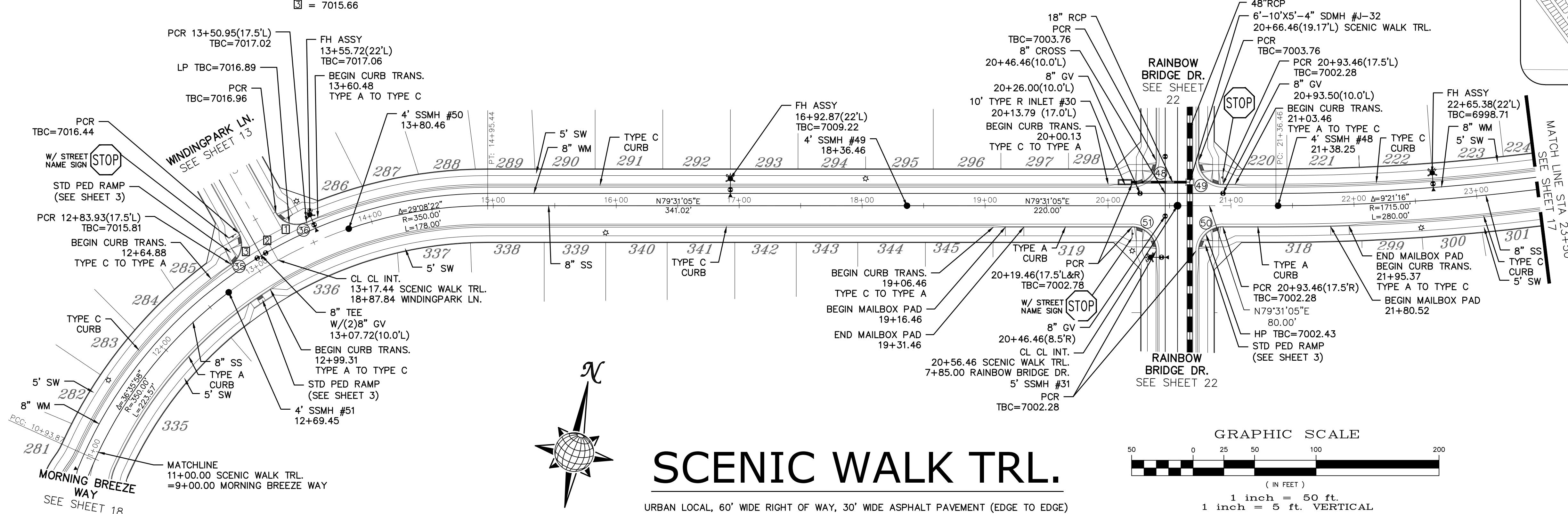
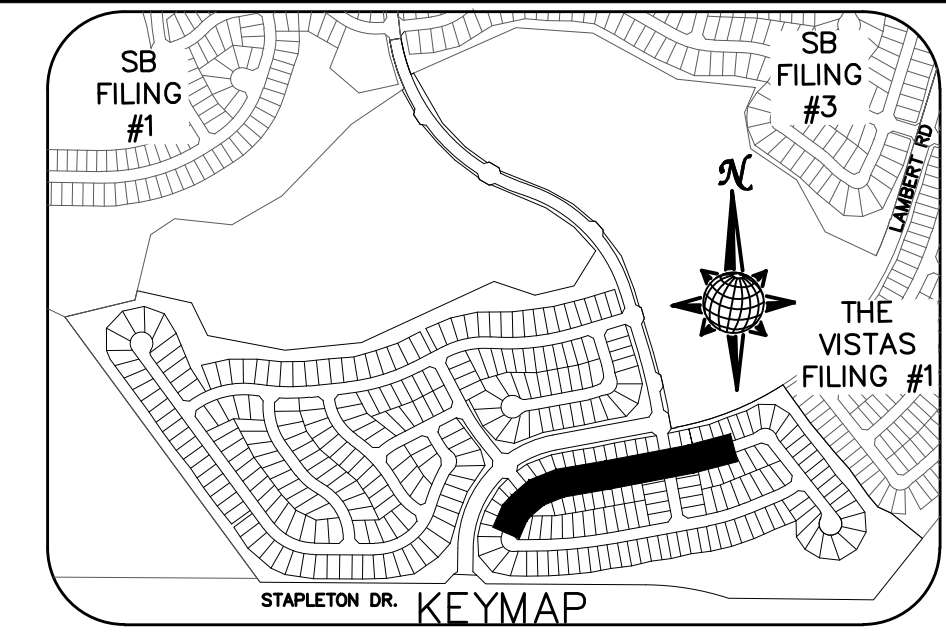


SB FILING #1	SB FILING #3	THE VISTAS FILING #1
STAPLETON DR. KEYMAP		
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		
MERIDIAN RANCH		WINDINGWALK FI AT MERIDIAN RANCH STREET AND UTILITY PLANS WINDING GLEN LN.
Scale AS SHOWN	Drawn by LOG	Checked by TAK
15 of 55	Date MAY 2018	



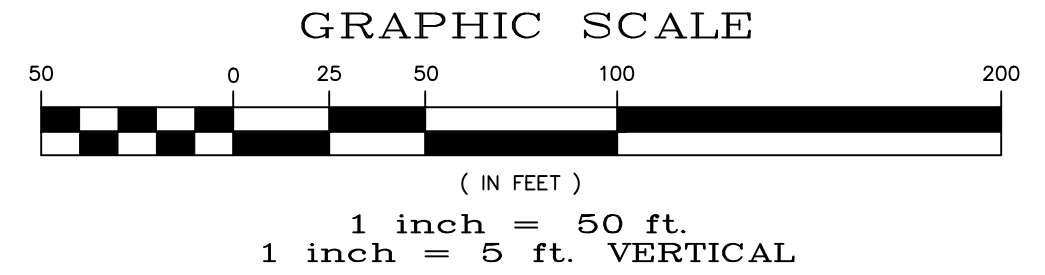
INSTALL CROSS PAN  
PER COUNTY STD  
SD-2-26

□ = 7016.29  
□ = 7015.98  
□ = 7015.66



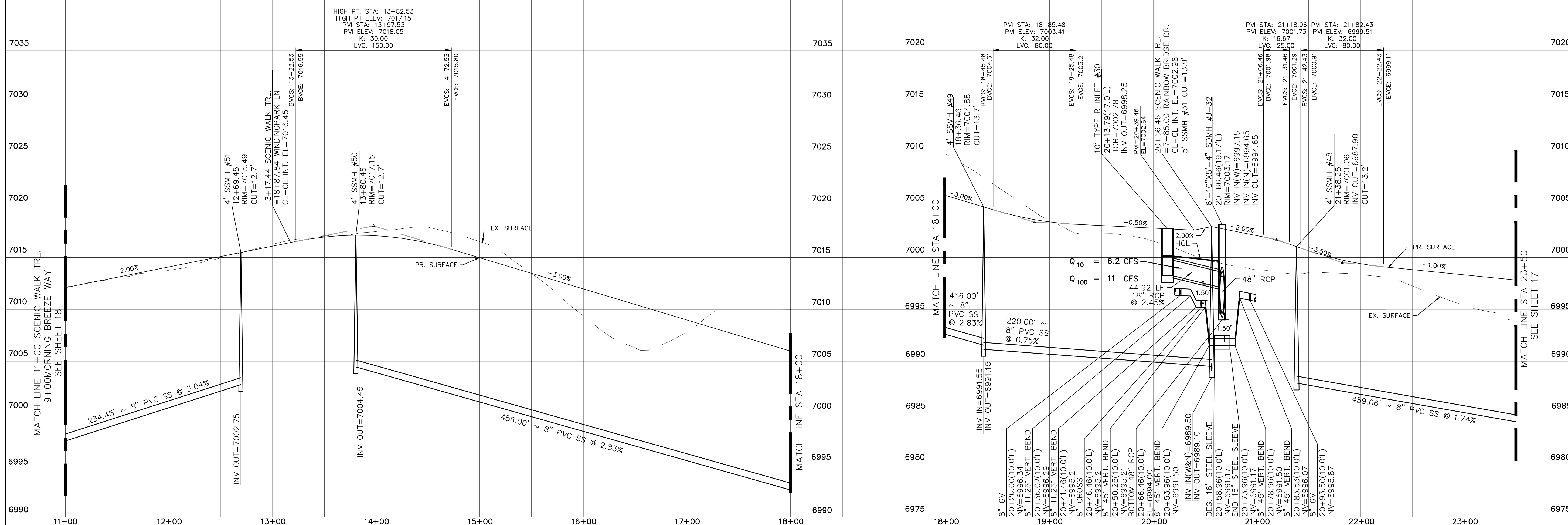
# SCENIC WALK TRL.

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



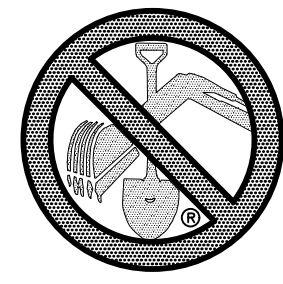
CURVE	LENGTH	RADIUS	DELTA
35	28.76'	19.50'	84°30'49"
36	28.76'	19.50'	84°30'49"
48	30.63'	19.50'	90°00'00"
49	30.63'	19.50'	90°00'00"
50	30.63'	19.50'	90°00'00"
51	30.63'	19.50'	90°00'00"

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



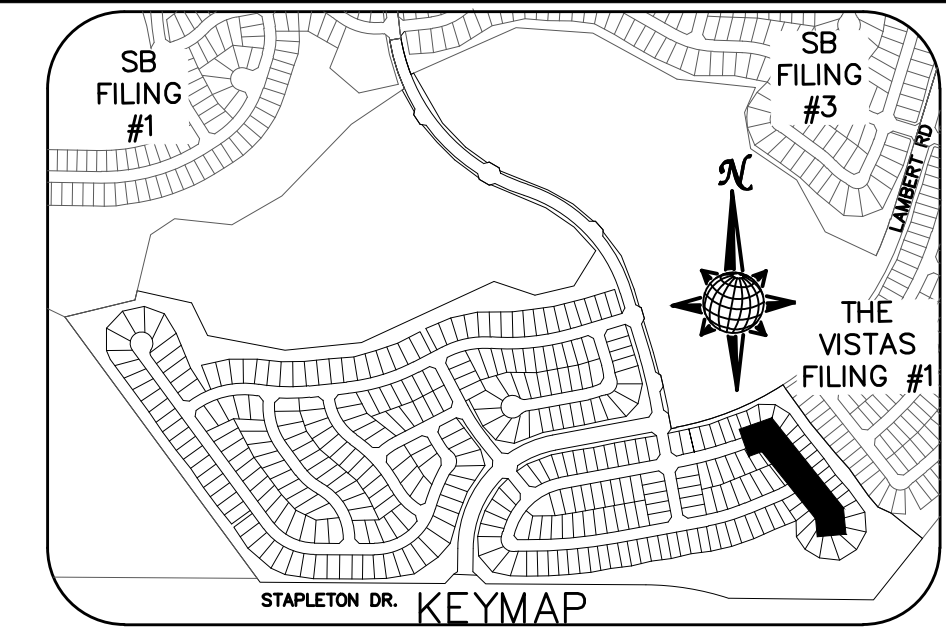
Scale	AS SHOWN	16 of 55				
Drawn by	LOG	Checked by	TAK	Date	MAY 2018	
<b>WINDINGWALK FI AT MERIDIAN RANCH</b> <b>STREET AND UTILITY PLANS</b> <b>SCENIC WALK TRL.</b>						
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457						
No.	Revisions				Date	Appr.



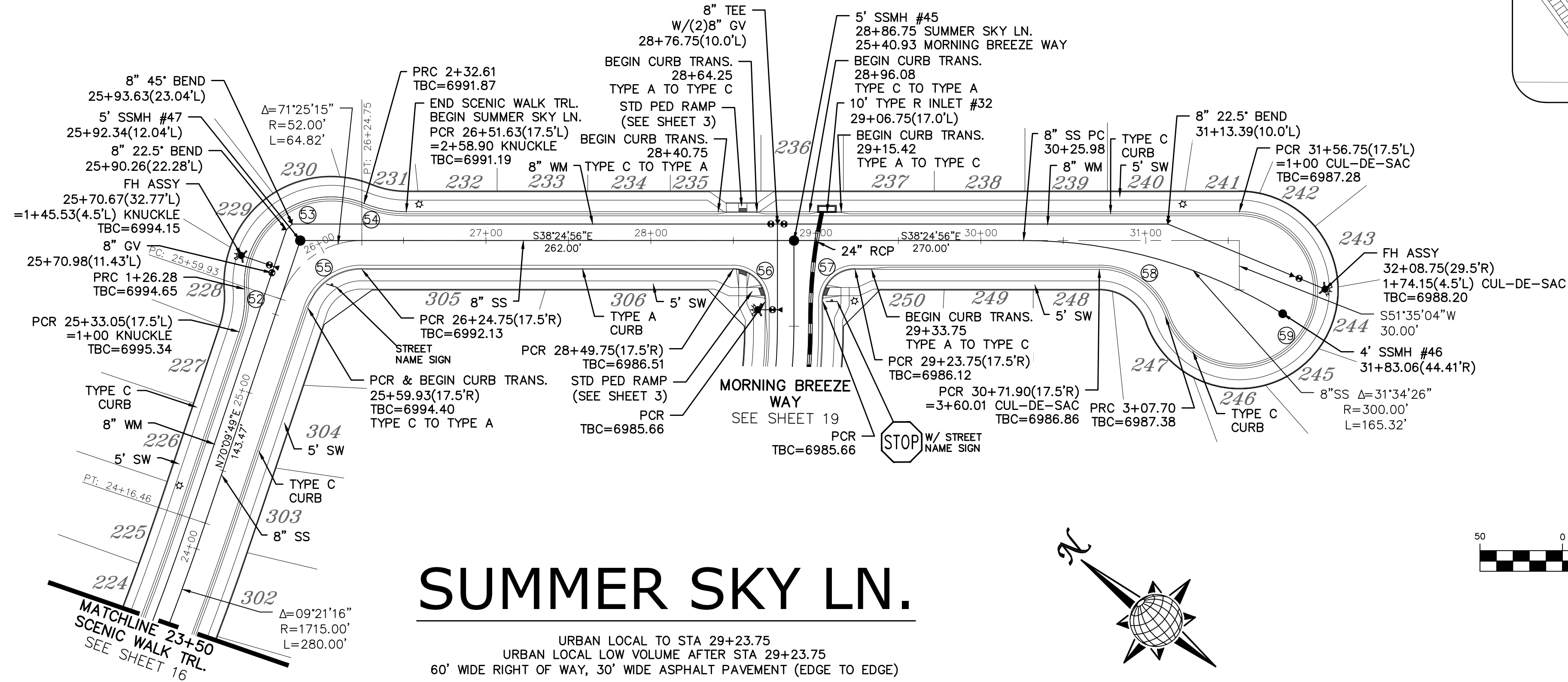
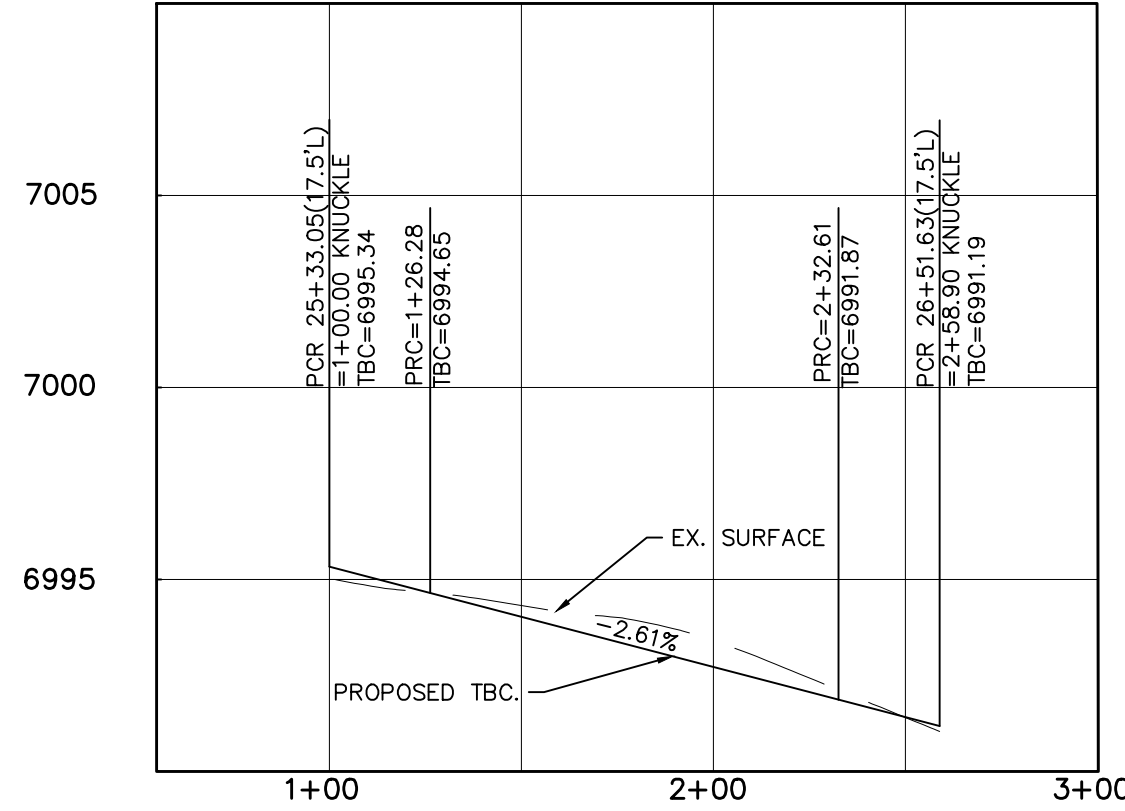


TWO WORKING DAYS  
**BEFORE YOU DIG**  
**CALL 811**

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



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.)

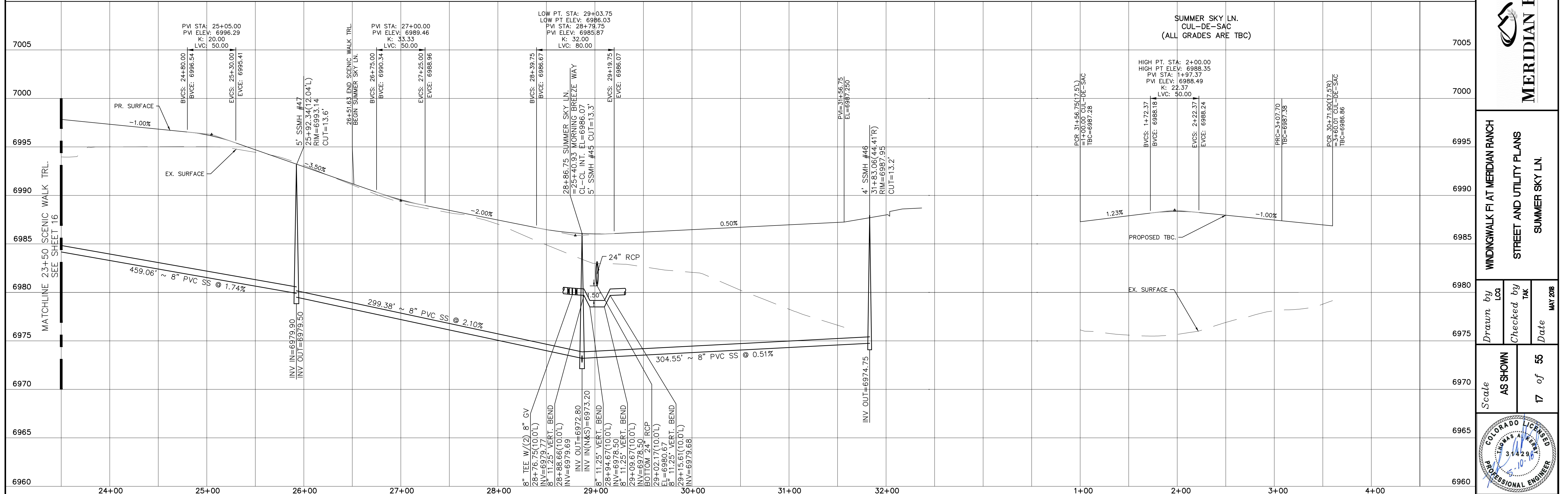
GRAPHIC SCALE



( IN FEET )  
1 inch = 50 ft.  
1 inch = 5 ft. VERTICAL

# 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)



No.	Revisions	Date	Appr.

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

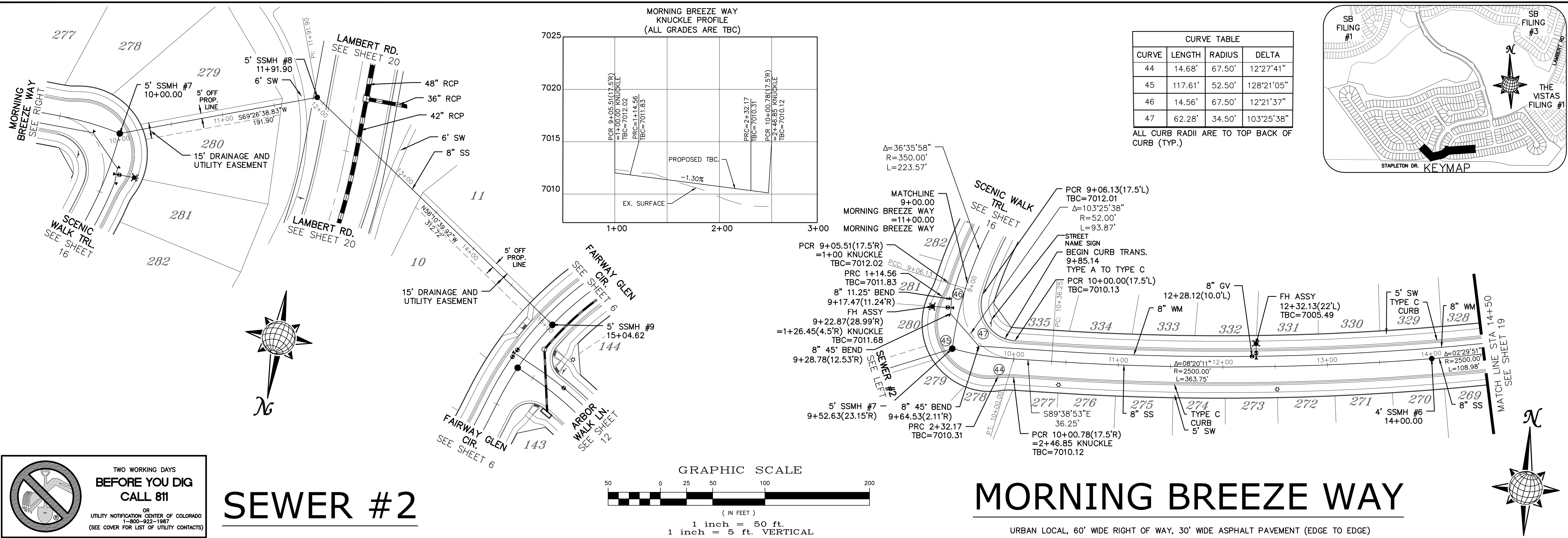


WINDINGWALK FI AT MERIDIAN RANCH  
STREET AND UTILITY PLANS  
SUMMER SKY LN.

Drawn by  
Checked by  
Date

Scale  
AS SHOWN  
17 of 55  
Date  
MAY 2018

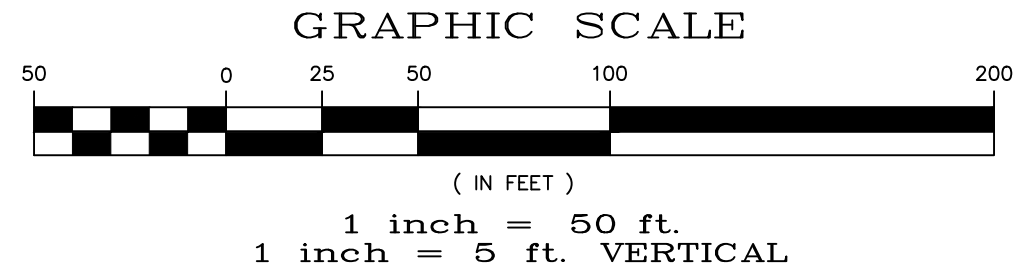




**TWO WORKING DAYS BEFORE YOU DIG CALL 811**

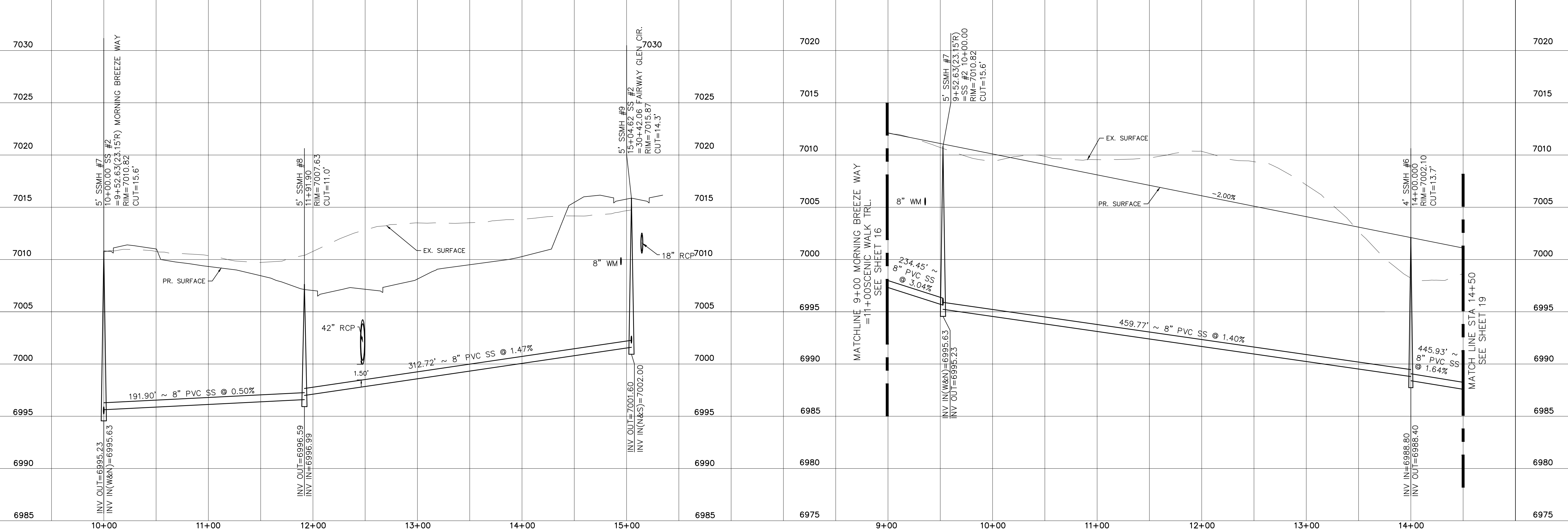
OR  
UTILITY NOTIFICATION CENTER OF COLORADO  
1-800-922-1987  
(SEE COVER FOR LIST OF UTILITY CONTACTS)

# SEWER #2

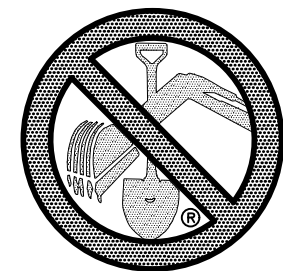


# MORNING BREEZE WAY

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

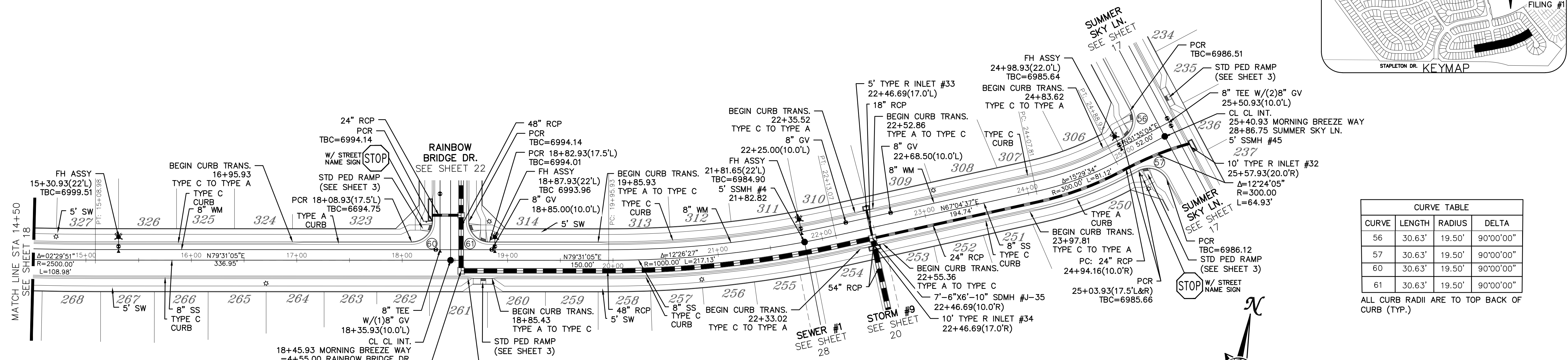
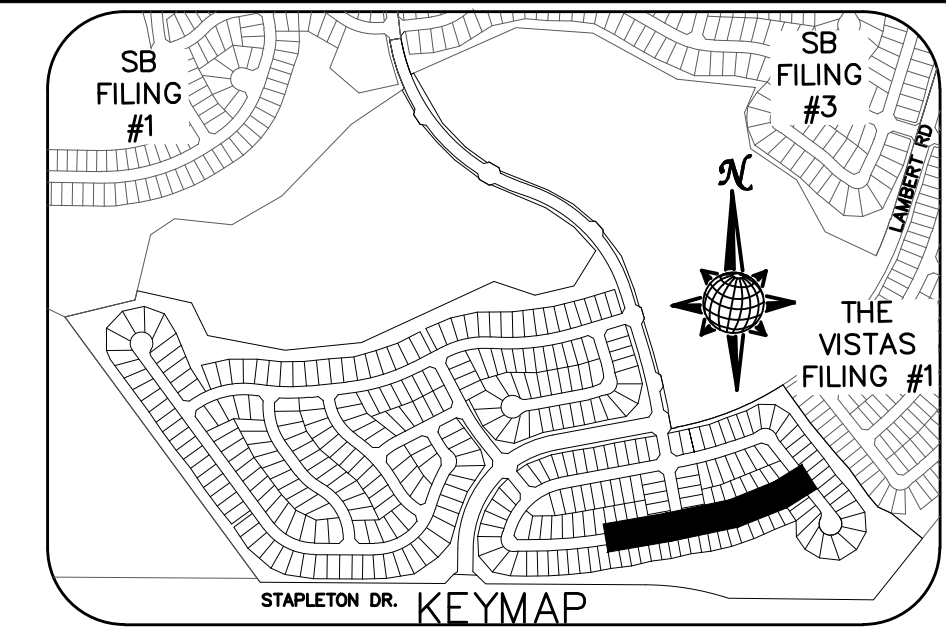


SB FILING #1	SB FILING #3	THE VISTAS FILING #1
STAPLETON DR. KEYMAP		
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		
MERIDIAN RANCH		
WINDINGWALK FI AT MERIDIAN RANCH STREET AND UTILITY PLANS MORNING BREEZE WAY + SEWER #2		
Scale	AS SHOWN	18 of 55
Drawn by	LOG	Checked by
		TAK
Date		MAY 2018



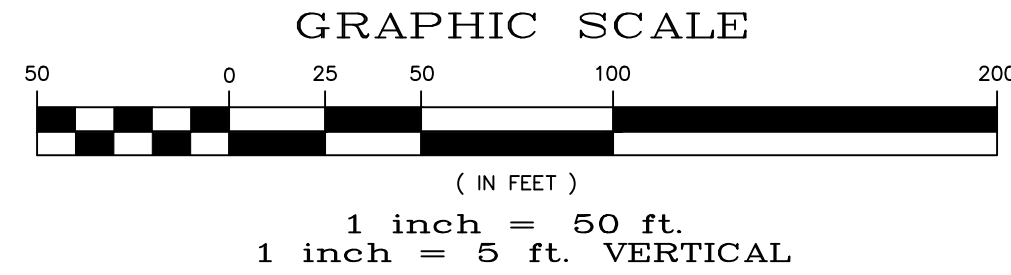
**TWO WORKING DAYS  
BEFORE YOU DIG  
CALL 811**

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



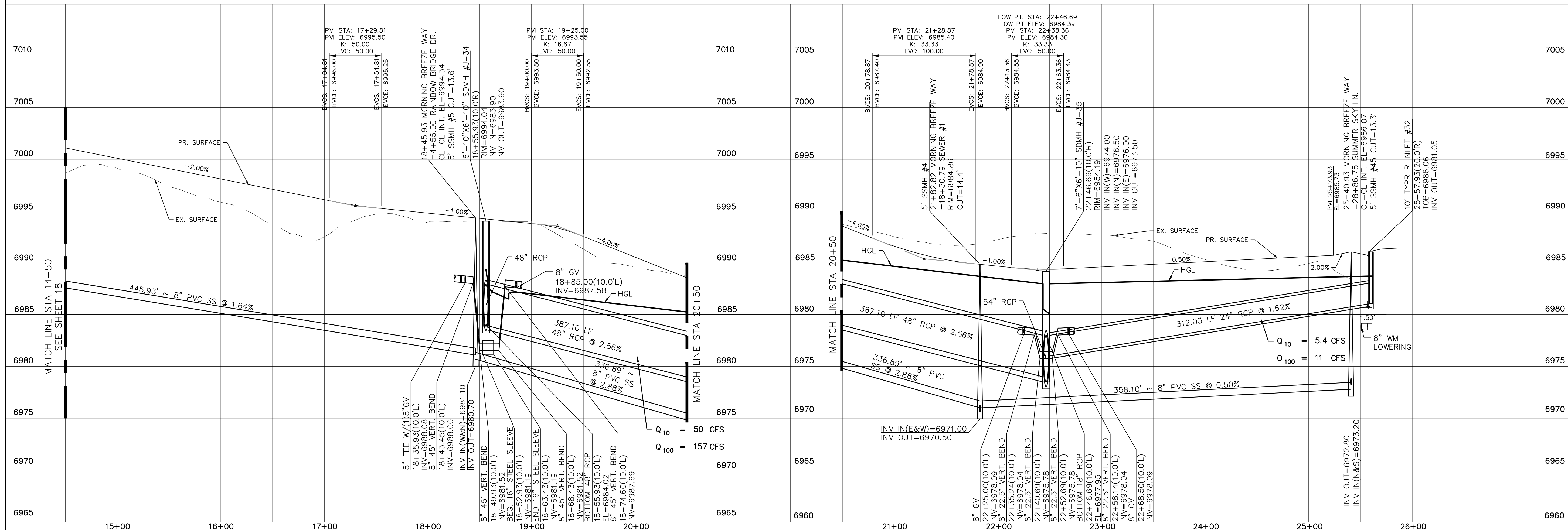
CURVE	LENGTH	RADIUS	DELTA
56	30.63'	19.50'	90°00'00"
57	30.63'	19.50'	90°00'00"
60	30.63'	19.50'	90°00'00"
61	30.63'	19.50'	90°00'00"

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

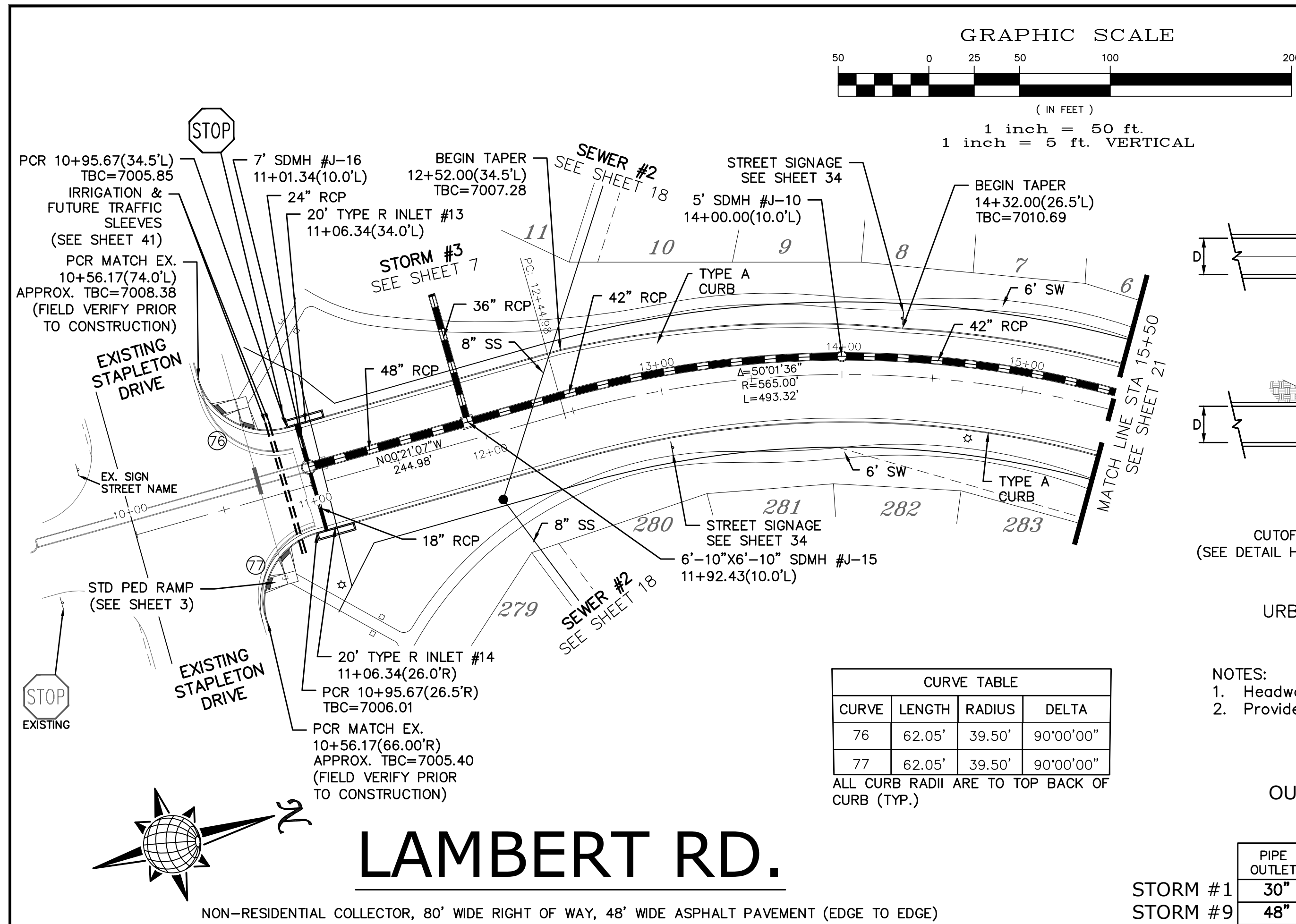


# MORNING BREEZE WAY

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



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



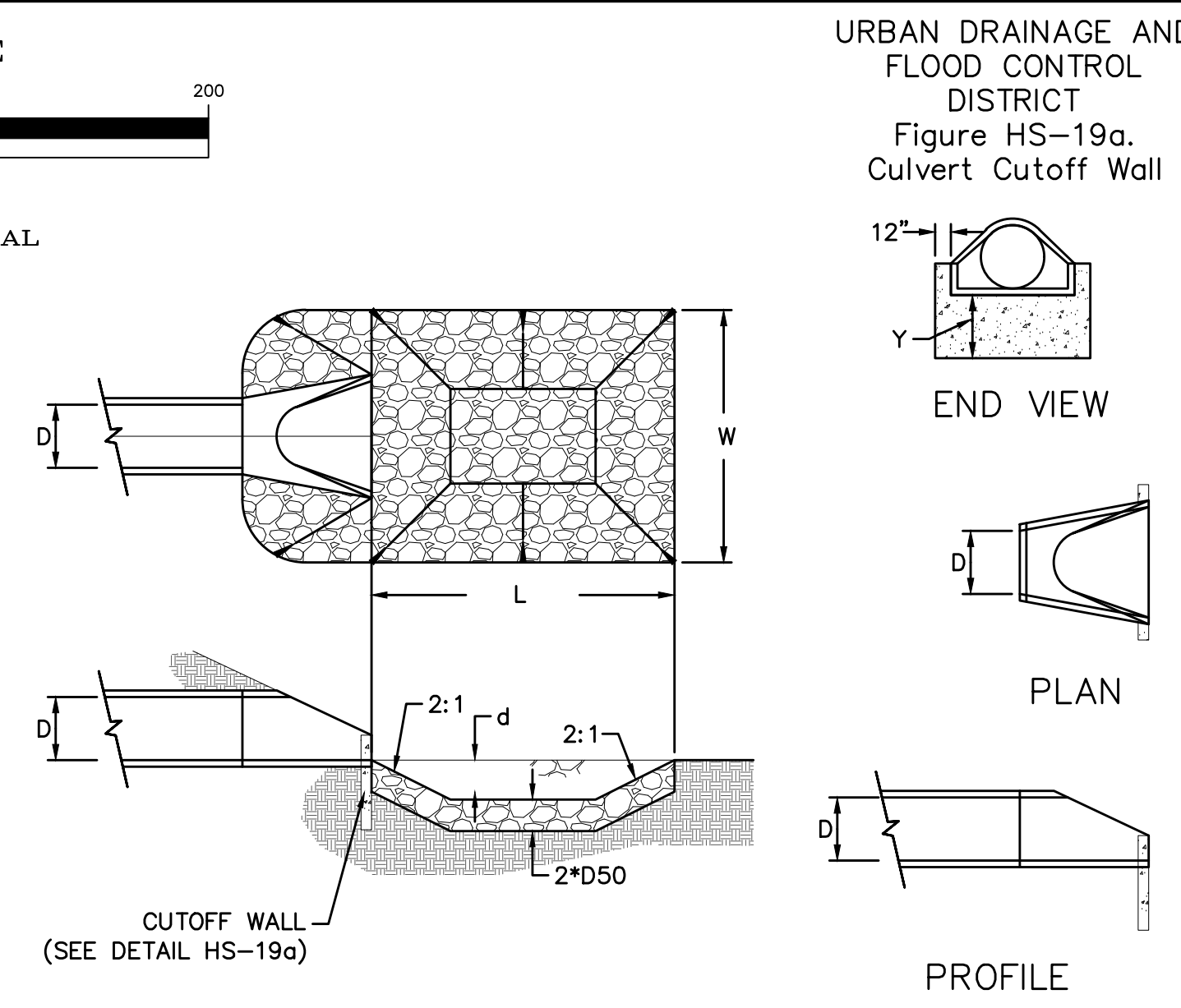
**CURVE TABLE**

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.)

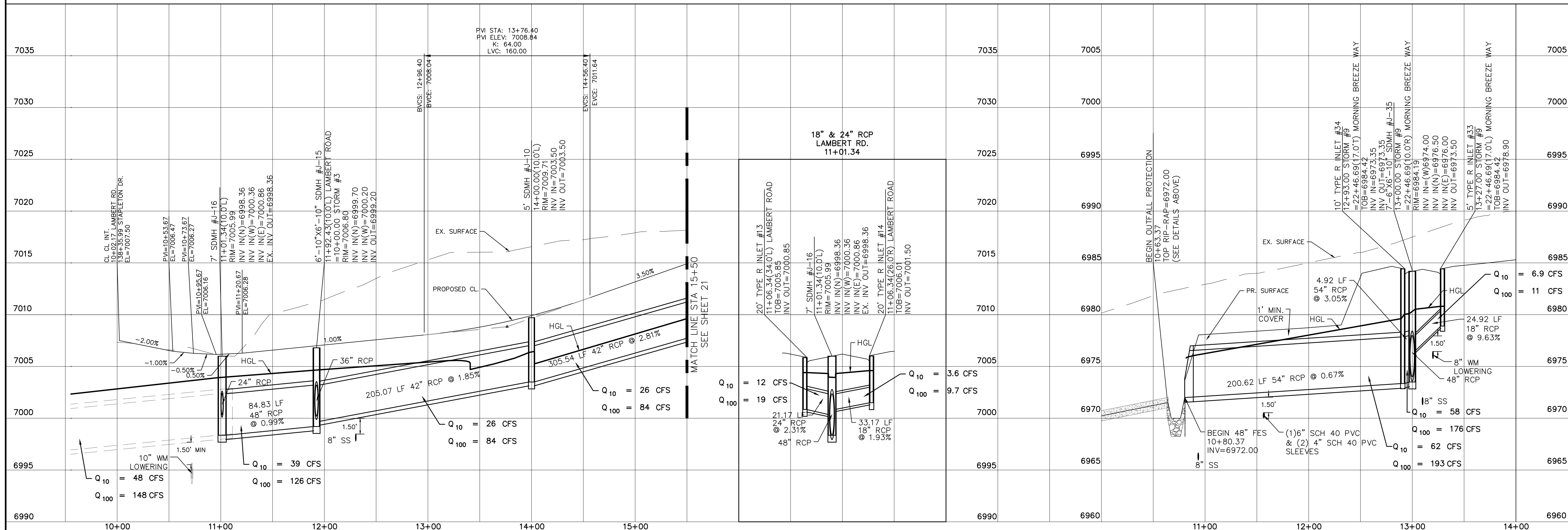
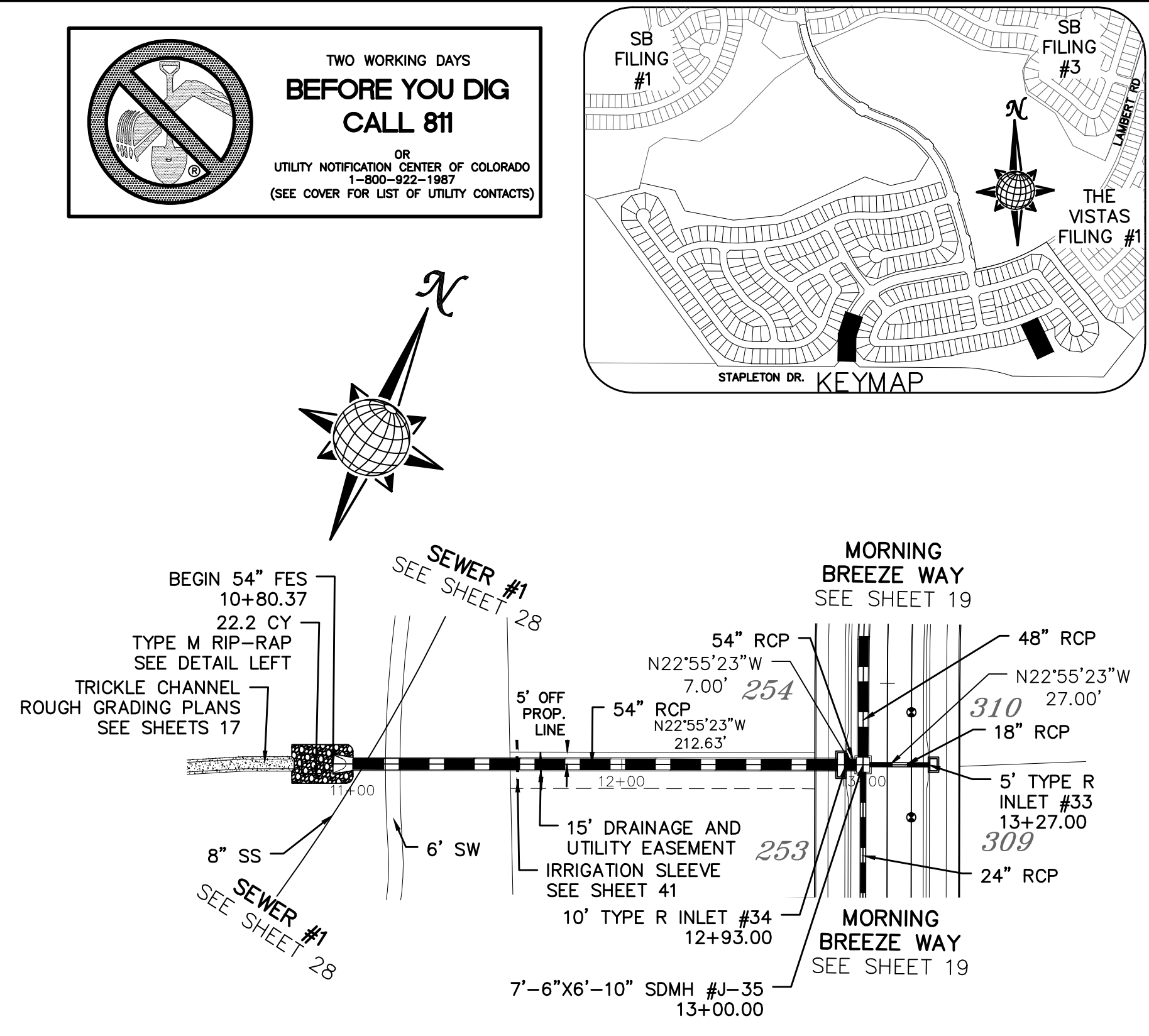
**POND H  
OUTLET PROTECTION DETAIL**  
NTS

PIPE OUTLET	L	W	d	TYPE	D <sub>50</sub>	CY	Y	NOTES
STORM #1 30"	10.0	10.0	1.5	L	0.75'	7.3	2.6'	SEE SHEET 7
STORM #9 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**

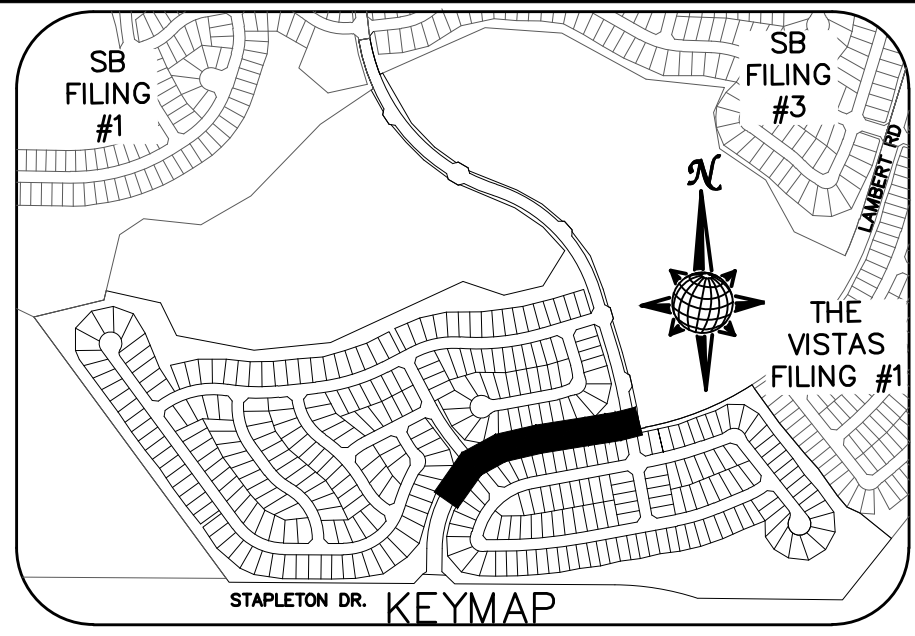
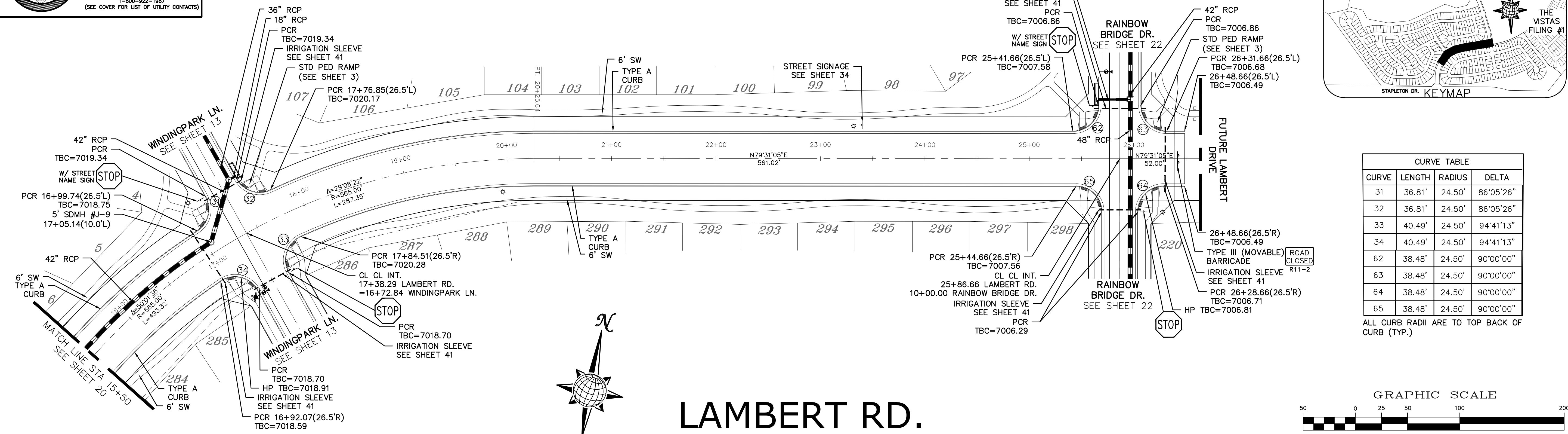
Scale: **AS SHOWN**  
20 of 55

**COLORADO LICENSED PROFESSIONAL ENGINEER**  
31429



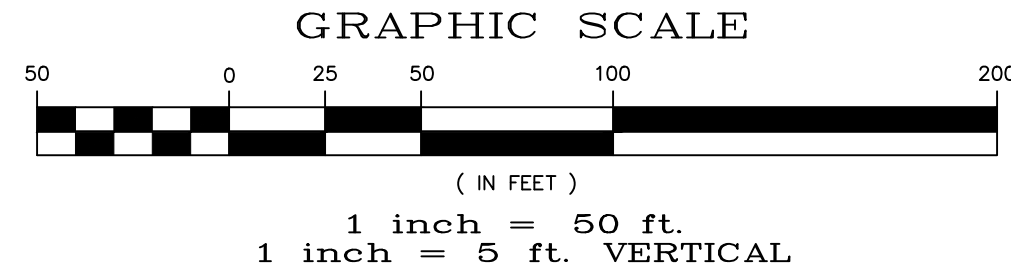
TWO WORKING DAYS  
**BEFORE YOU DIG  
CALL 811**

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



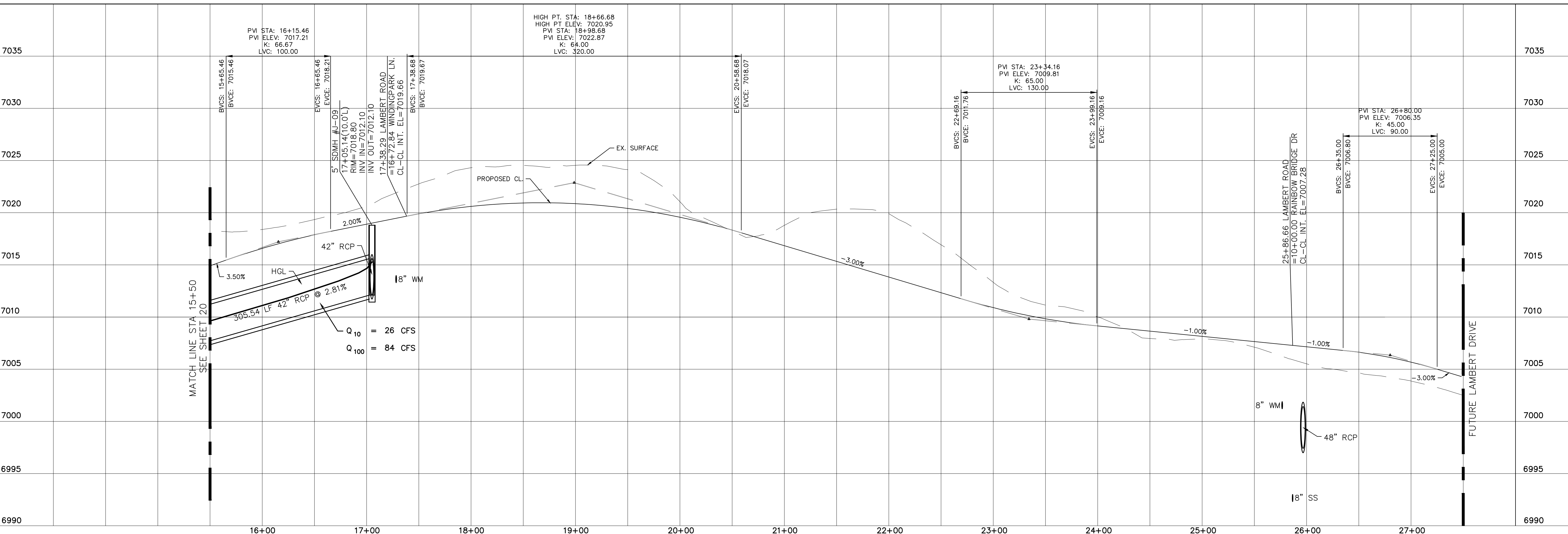
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
31	36.81'	24.50'	86°05'26"
32	36.81'	24.50'	86°05'26"
33	40.49'	24.50'	94°41'13"
34	40.49'	24.50'	94°41'13"
62	38.48'	24.50'	90°00'00"
63	38.48'	24.50'	90°00'00"
64	38.48'	24.50'	90°00'00"
65	38.48'	24.50'	90°00'00"

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)

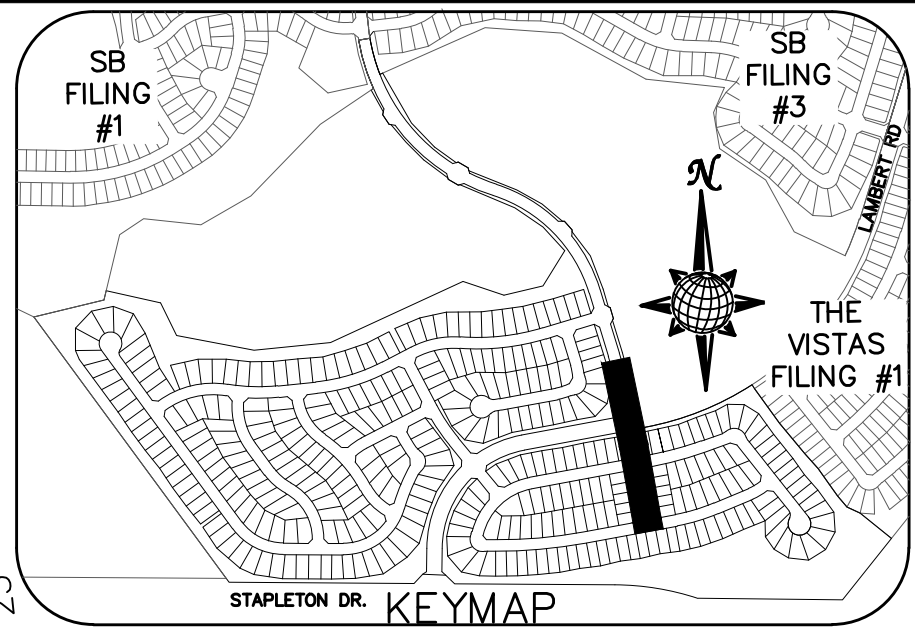


Scale	AS SHOWN	21 of 55
Drawn by	LOG	Checked by
		TAK
Date	MAY 2018	
<b>WINDINGPARK FI AT MERIDIAN RANCH</b> <b>STREET AND UTILITY PLANS</b> <b>LAMBERT RD.</b>		
<b>TECH CONTRACTORS</b> <b>11886 STAPLETON DRIVE</b> <b>FALCON, CO 80831</b> TELEPHONE: 719.495.7444 FAX: 719.495.2457		
No.	Revisions	Date / Init. / Appr.



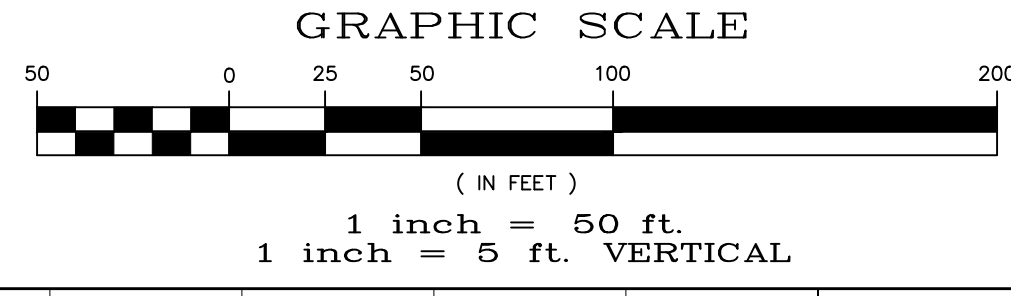
**TWO WORKING DAYS  
BEFORE YOU DIG  
CALL 811**

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



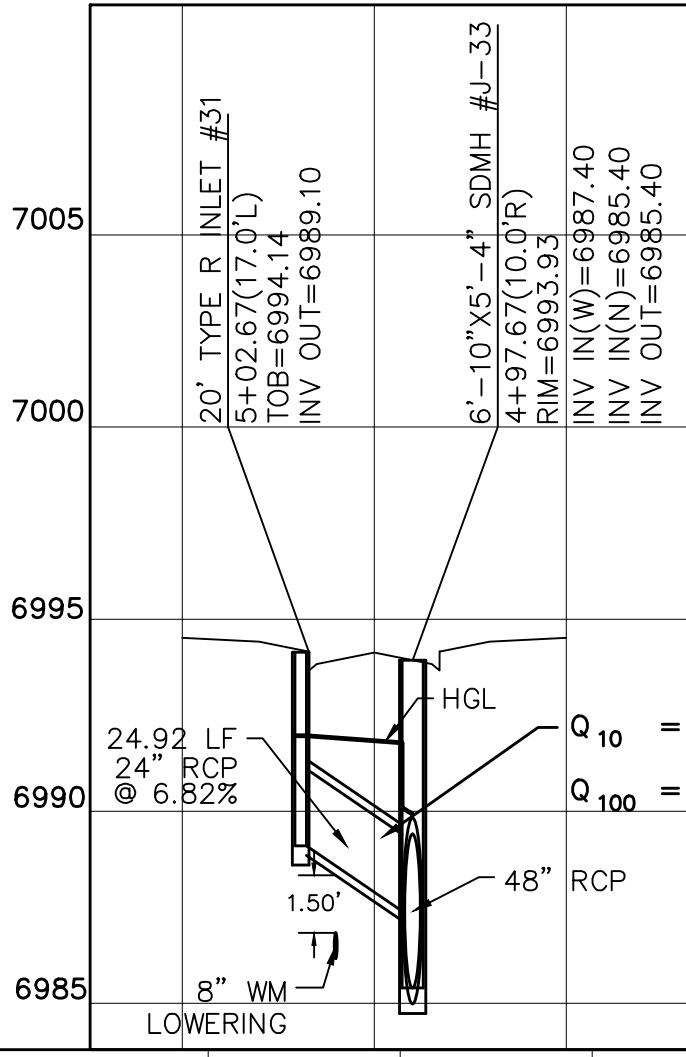
CURVE	LENGTH	RADIUS	DELTA
48	30.63'	19.50'	90°00'00"
49	30.63'	19.50'	90°00'00"
50	30.63'	19.50'	90°00'00"
51	30.63'	19.50'	90°00'00"
60	30.63'	19.50'	90°00'00"
61	30.63'	19.50'	90°00'00"
62	38.48'	24.50'	90°00'00"
63	38.48'	24.50'	90°00'00"
64	38.48'	24.50'	90°00'00"
65	38.48'	24.50'	90°00'00"
66	37.98'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

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

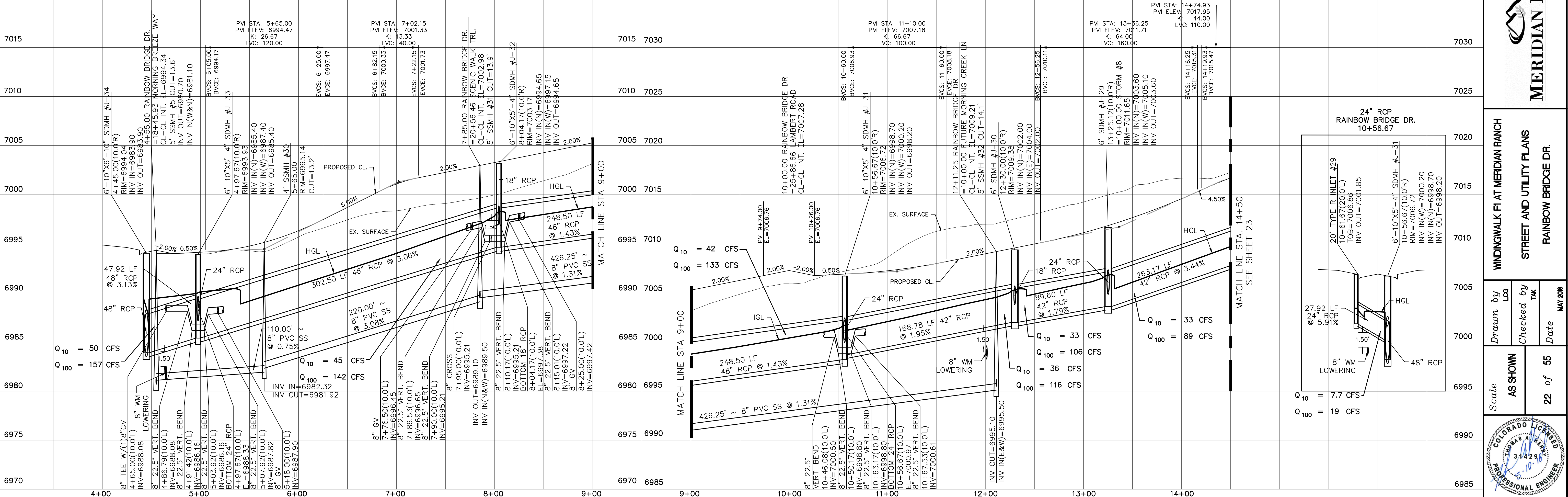


# RAINBOW BRIDGE DR.

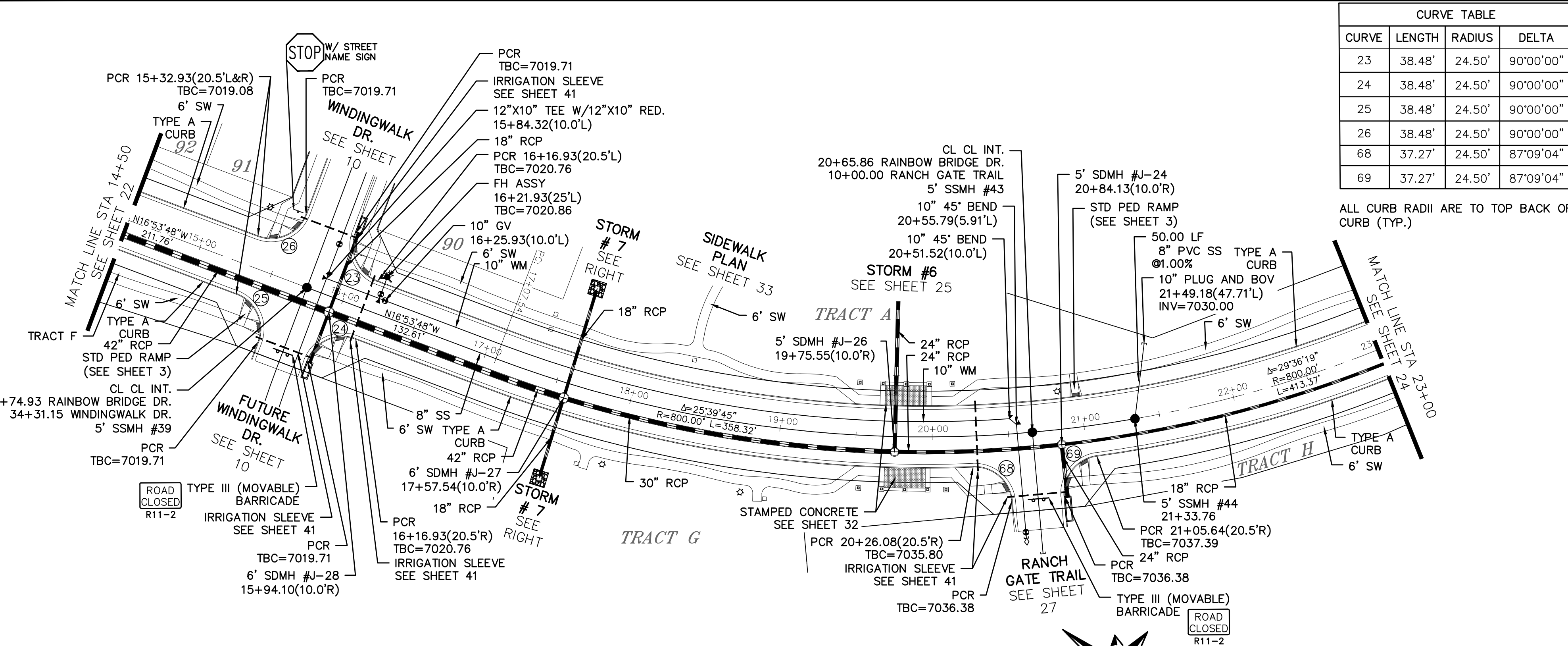
URBAN LOCAL TO STA 9+49.00, 60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)  
RESIDENTIAL COLLECTOR AFTER STA 10+51.00, 60' WIDE RIGHT OF WAY, 36' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



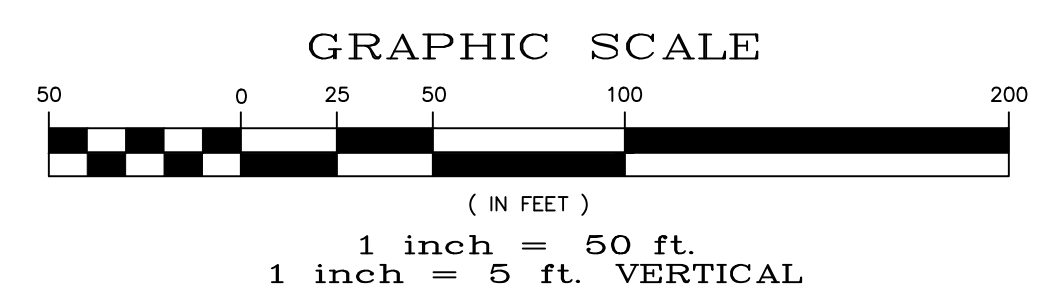
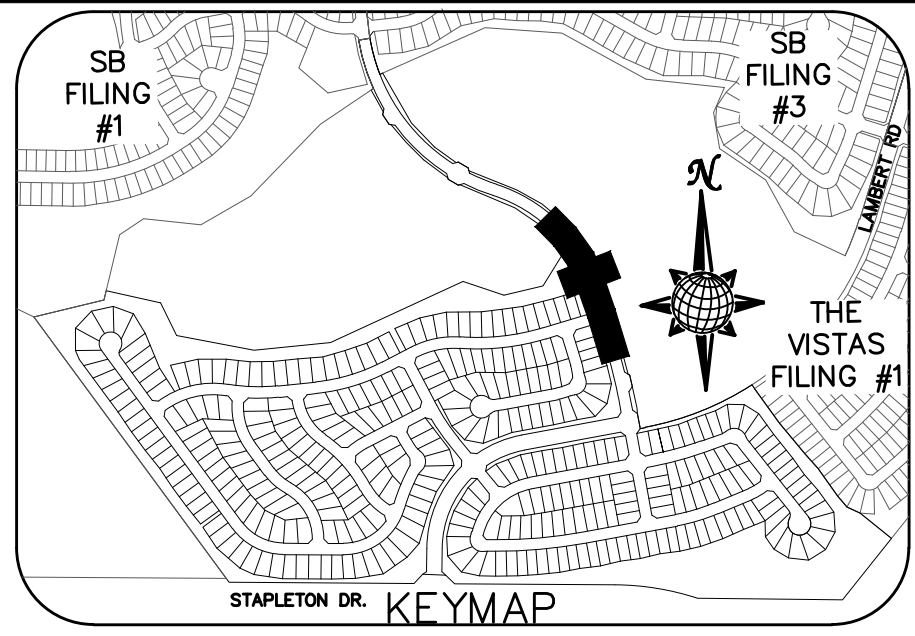
Q<sub>10</sub> = 8.6 CFS  
Q<sub>100</sub> = 19 CFS



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	Revisions	No.
	<b>MERIDIAN RANCH</b>	
WINDINGWALK FI AT MERIDIAN RANCH	STREET AND UTILITY PLANS	
RAINBOW BRIDGE DR.	Drawn by LOG	Checked by TAK
	Date MAY 2018	
Scale AS SHOWN	22 of 55	



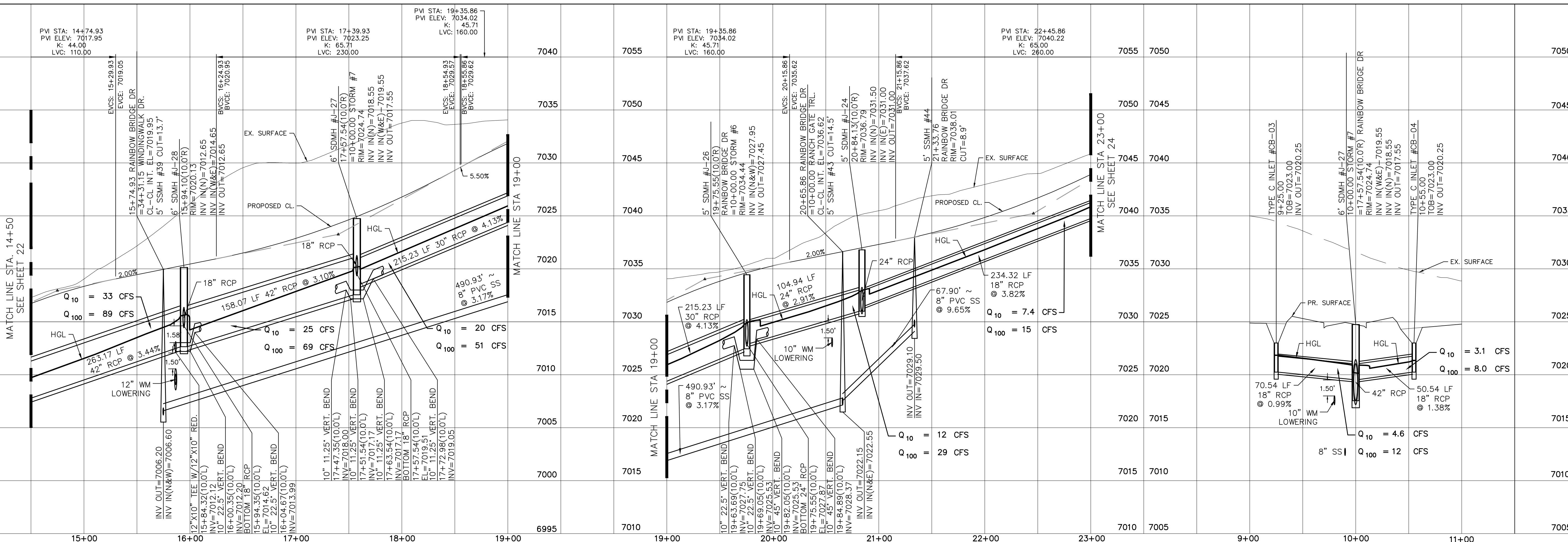
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
23	38.48'	24.50'	90°00'00"
24	38.48'	24.50'	90°00'00"
25	38.48'	24.50'	90°00'00"
26	38.48'	24.50'	90°00'00"
68	37.27'	24.50'	87°09'04"
69	37.27'	24.50'	87°09'04"



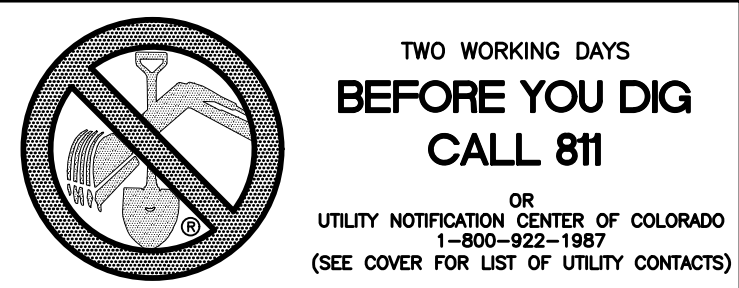
# RAINBOW BRIDGE DR.

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

# STORM #7

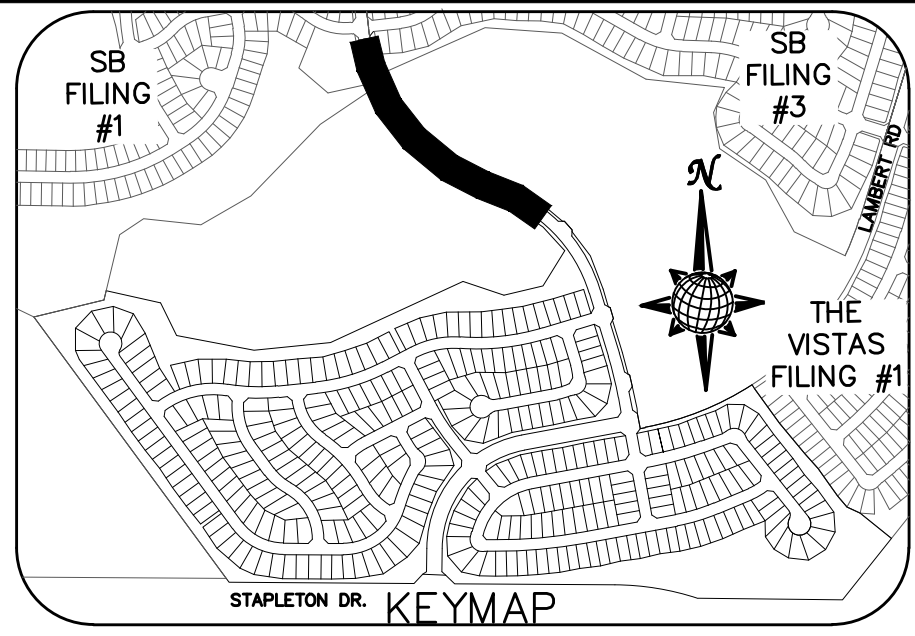
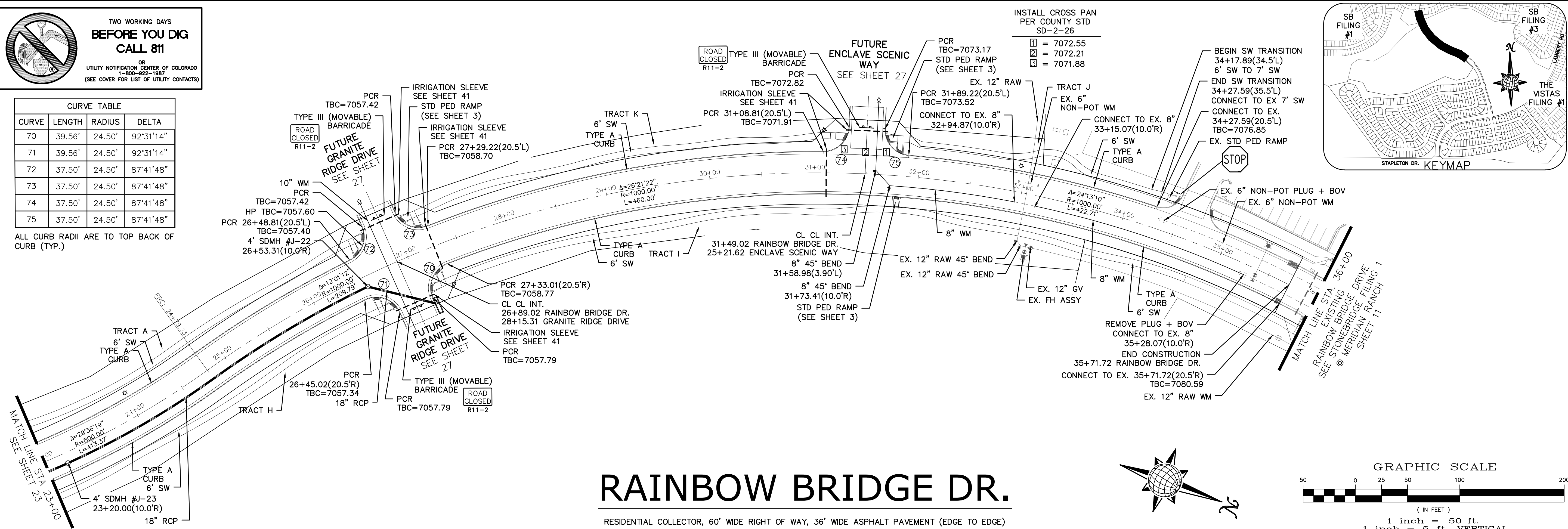


Date	
Appr.	
Date	
Revis.	
No.	
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457	
 <b>MERIDIAN RANCH</b>	
WINDINGWALK FI AT MERIDIAN RANCH STREET AND UTILITY PLANS RAINBOW BRIDGE DR. + STORM #7	
Drawn by	LOG
Checked by	TAK
Date	MAY 2018
Scale	AS SHOWN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



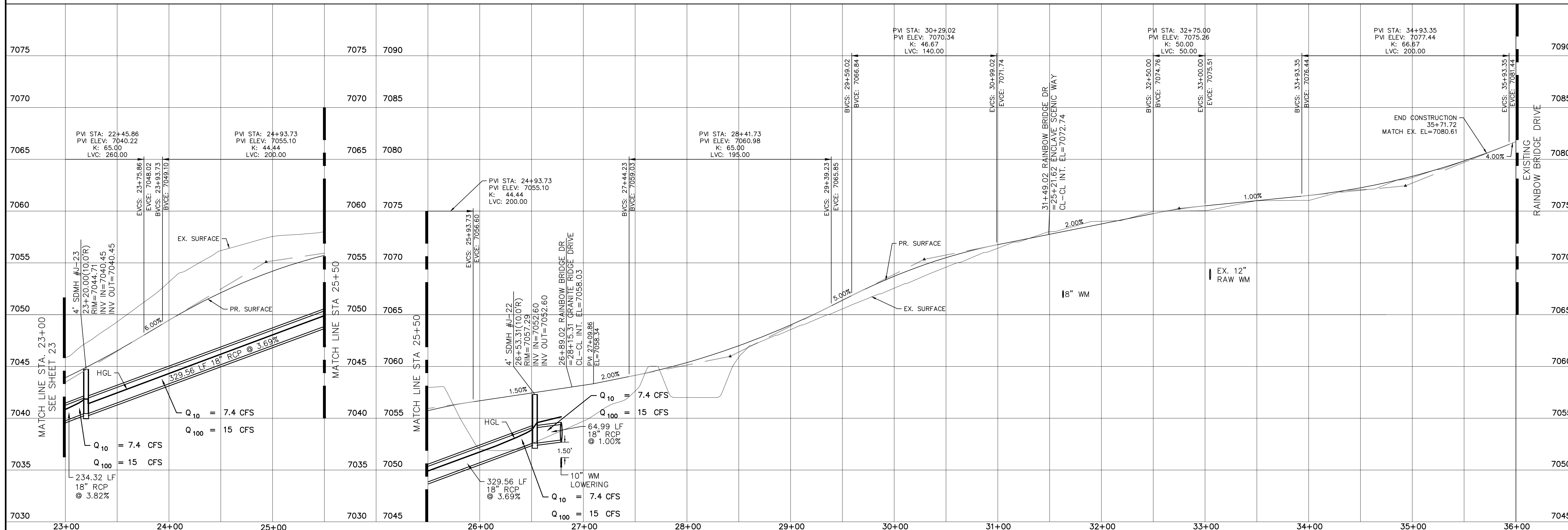
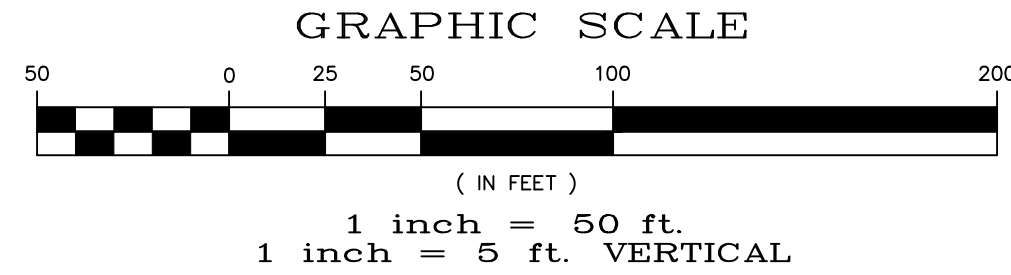
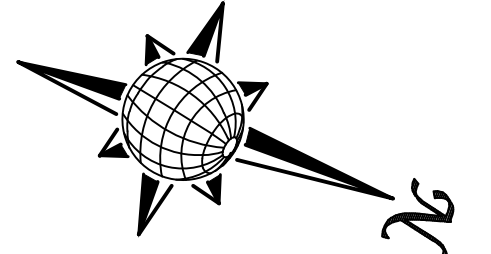
CURVE	LENGTH	RADIUS	DELTA
70	39.56'	24.50'	92°31'14"
71	39.56'	24.50'	92°31'14"
72	37.50'	24.50'	87°41'48"
73	37.50'	24.50'	87°41'48"
74	37.50'	24.50'	87°41'48"
75	37.50'	24.50'	87°41'48"

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



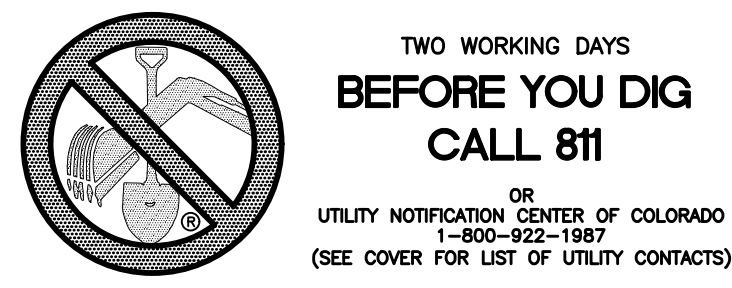
# RAINBOW BRIDGE DR.

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



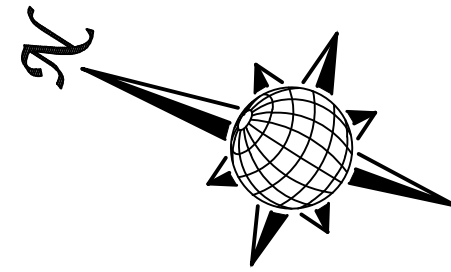
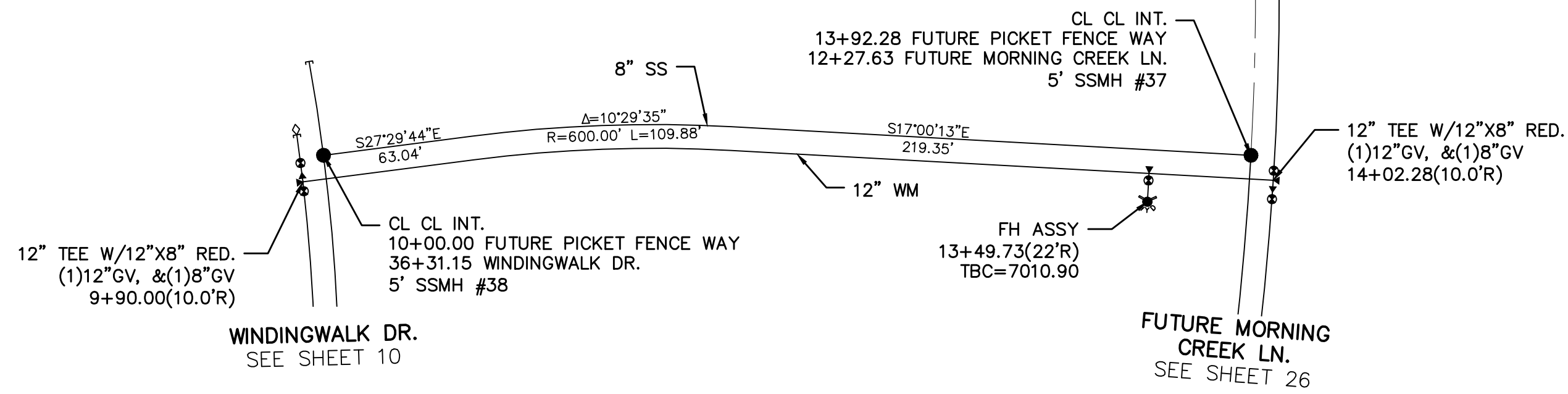
SB FILING #1	SB FILING #3	THE VISTAS FILING #1
STAPLETON DR.	KEYMAP	
TECH CONTRACTORS DRIVE 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457	Revisions	No.
	<b>MERIDIAN RANCH</b>	
WINDINGWALK FI AT MERIDIAN RANCH	STREET AND UTILITY PLANS	
AS SHOWN	24 of 55	Scale
Drawn by LOG	Checked by TAK	Date MAY 2018





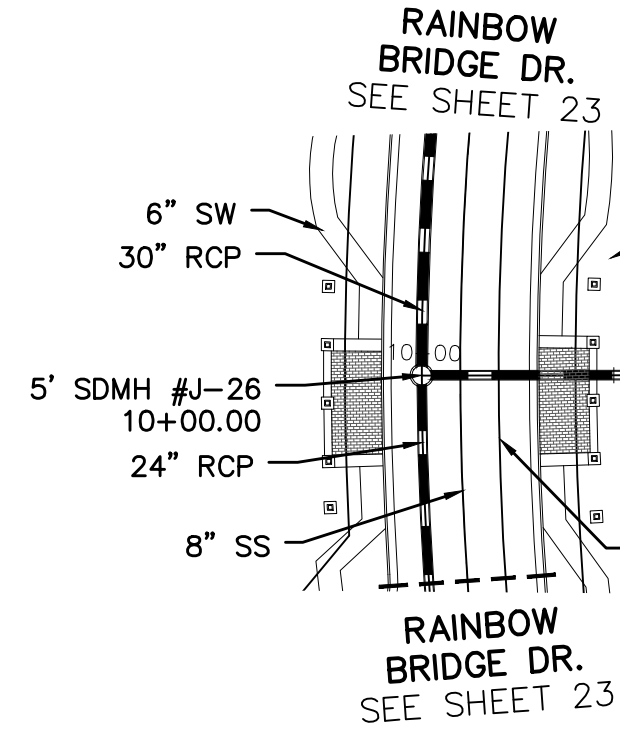
WINDINGWALK DR.  
SEE SHEET 10

FUTURE MORNING CREEK LN.  
SEE SHEET 26



# FUTURE PICKET FENCE WAY

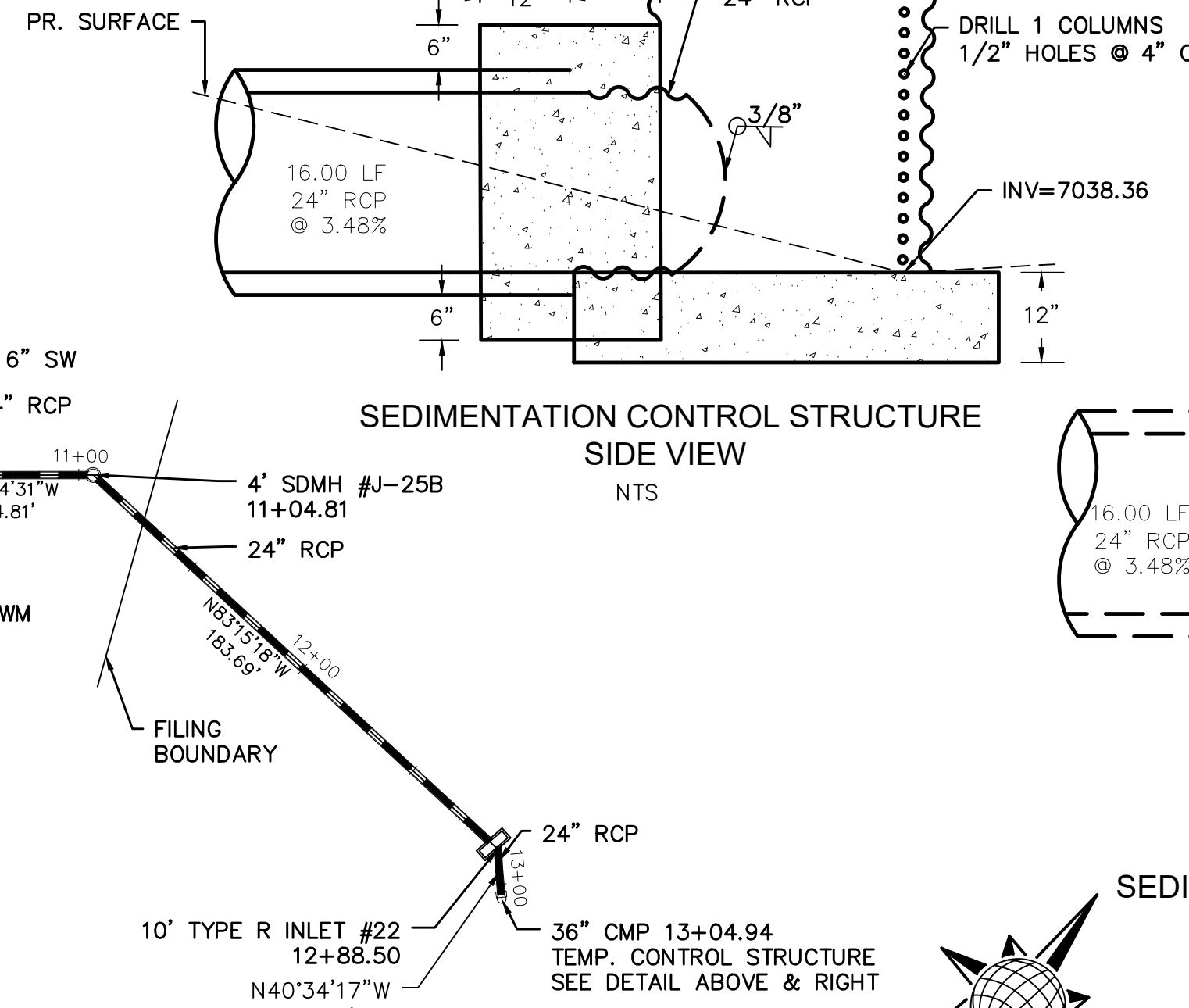
URBAN LOCAL LOW VOLUME, 60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



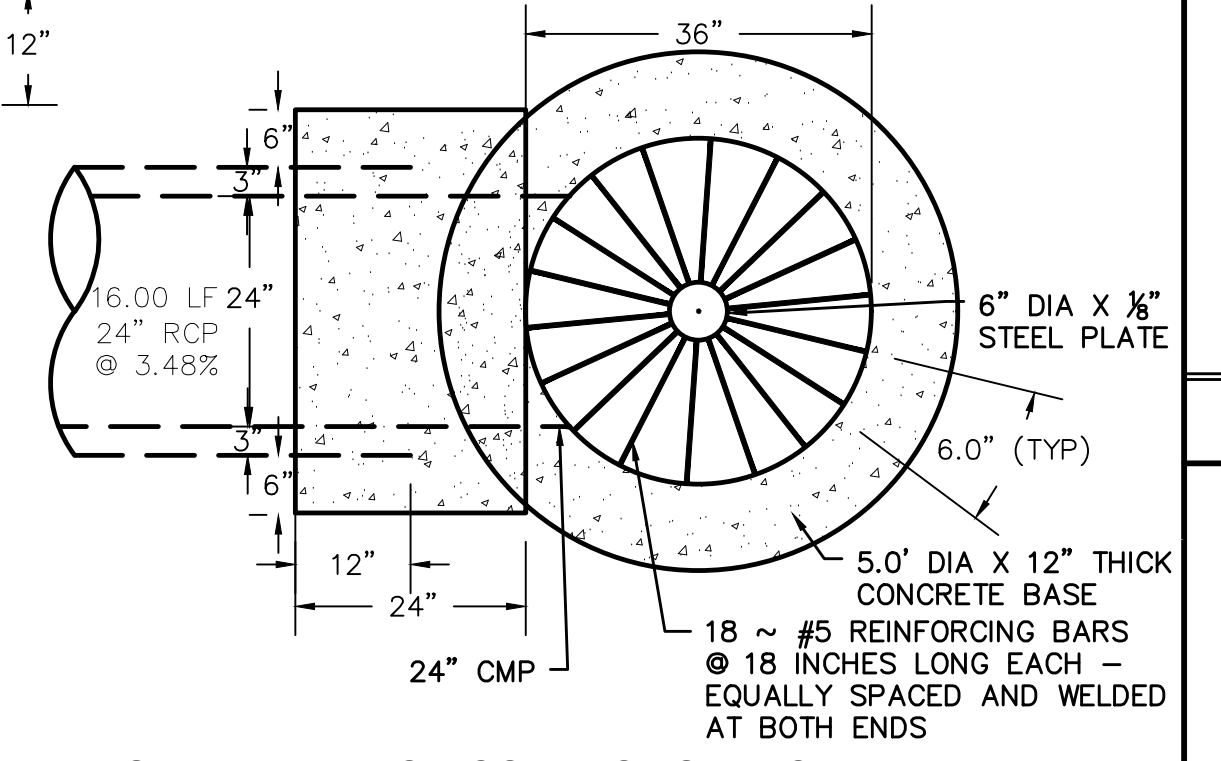
RAINBOW BRIDGE DR.  
SEE SHEET 23

RAINBOW BRIDGE DR.  
SEE SHEET 23

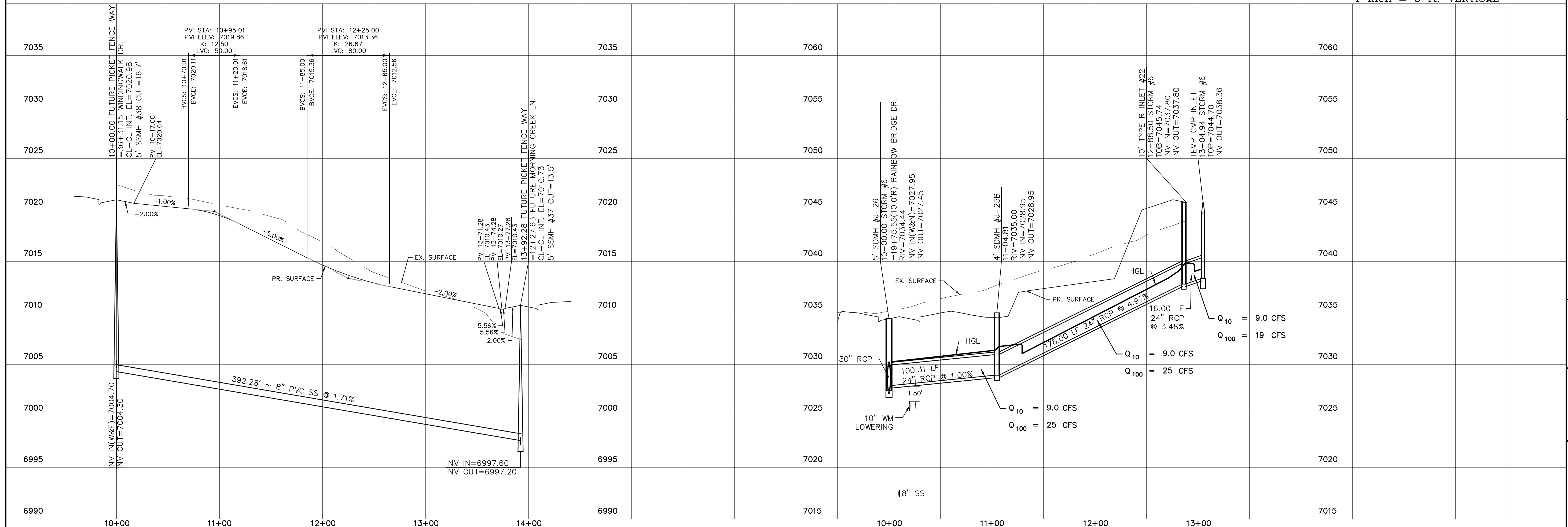
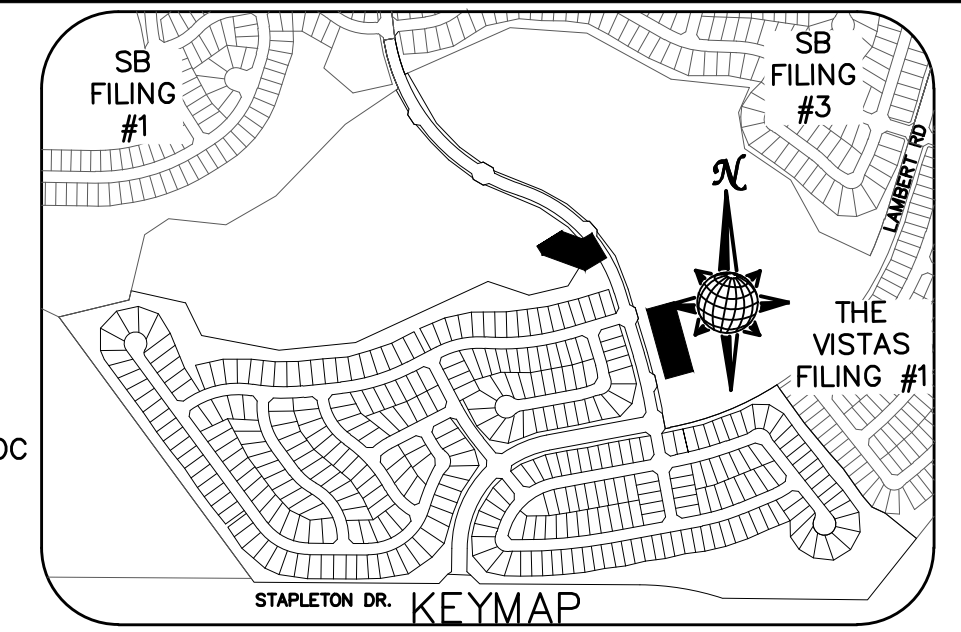
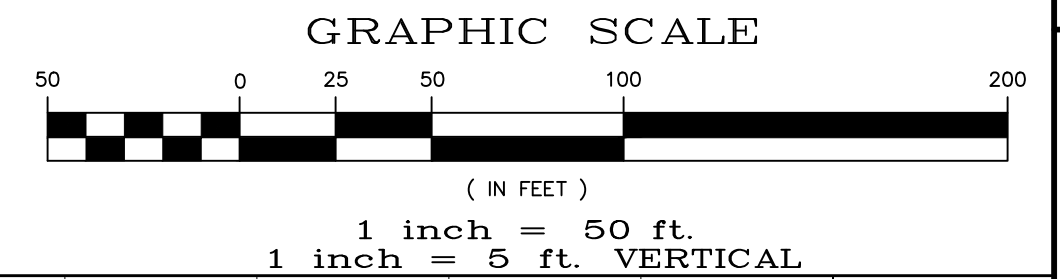
# STORM #6



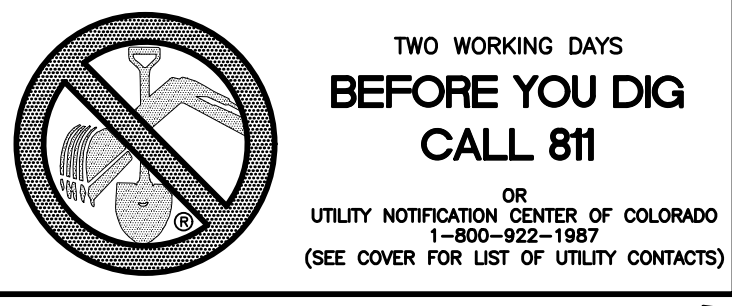
SEDIMENTATION CONTROL STRUCTURE  
SIDE VIEW  
NTS



SEDIMENTATION CONTROL STRUCTURE  
PLAN VIEW  
NTS

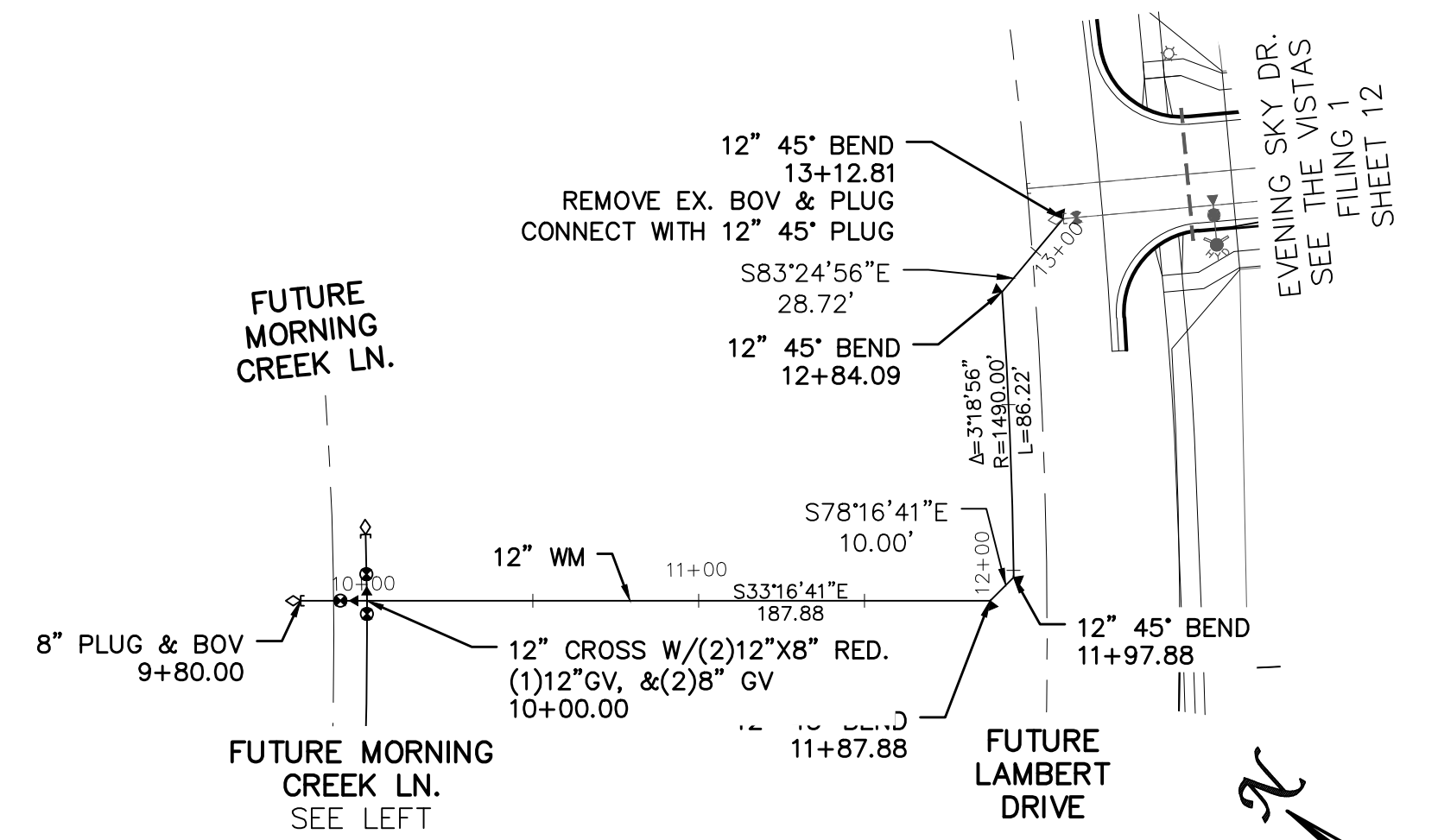
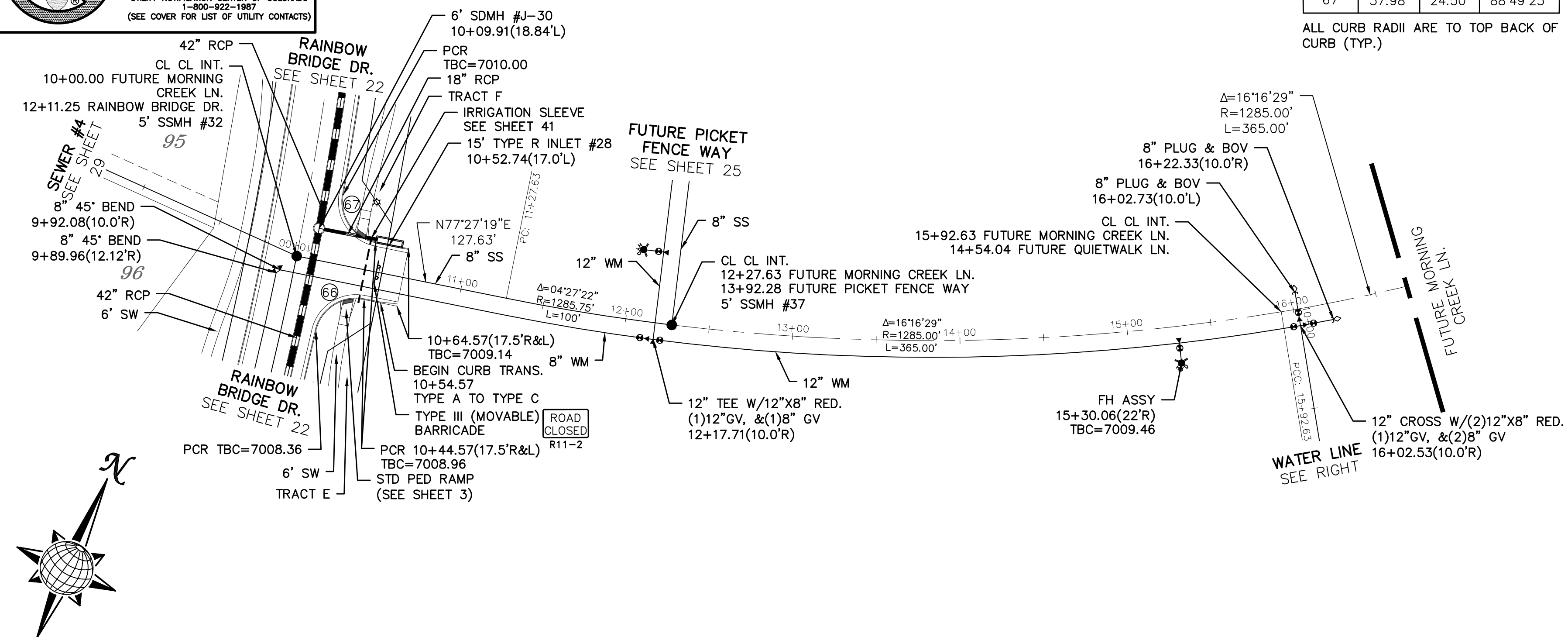
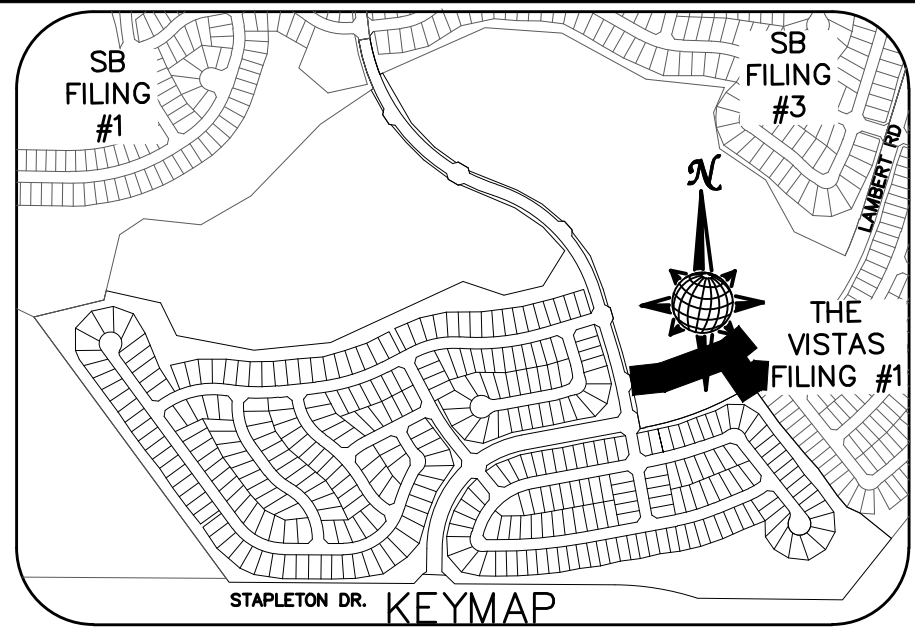
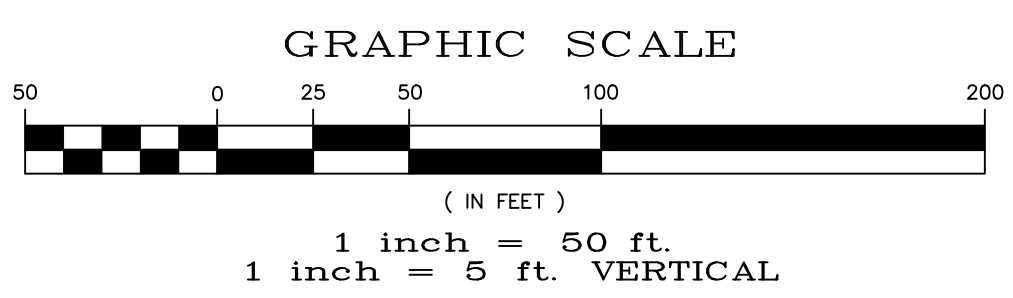


Drawn by	LOG	Checked by	TAK	Date	MAY 2018
Scale	AS SHOWN	25 of	55		
<b>WINDINGWALK FI AT MERIDIAN RANCH</b> <b>STREET AND UTILITY PLANS</b> <b>FUTURE PICKET FENCE WAY</b> <b>+ STORM #6</b>					
<b>MERIDIAN RANCH</b> 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
No.	Revisions	Date	Appr.	Date	



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

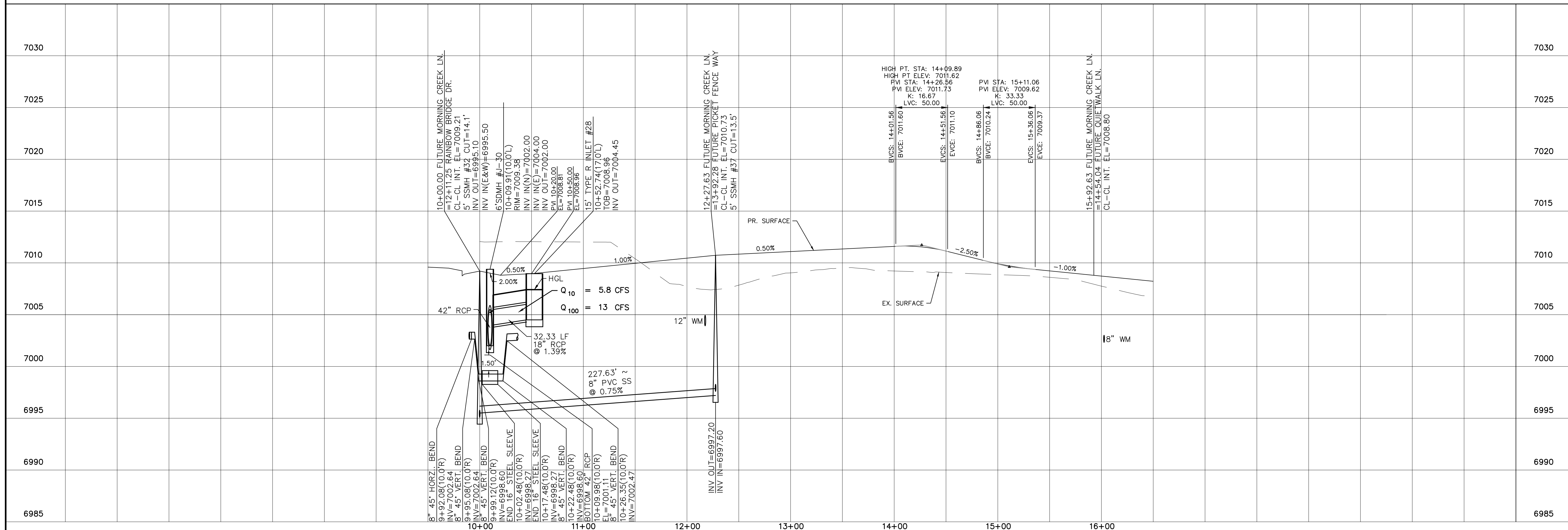
ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)



# FUTURE MORNING CREEK LN.

# 12" WATER MAIN

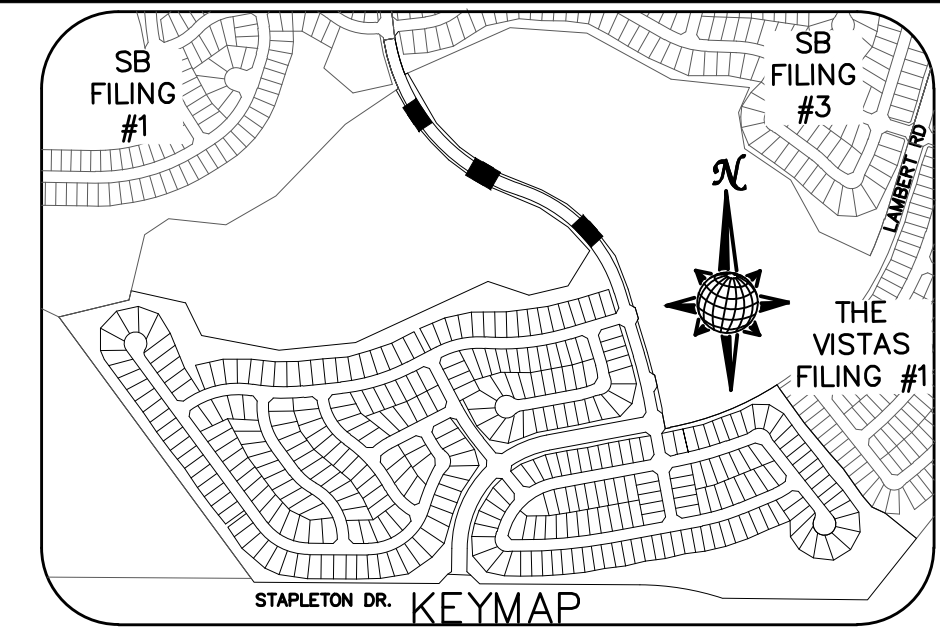
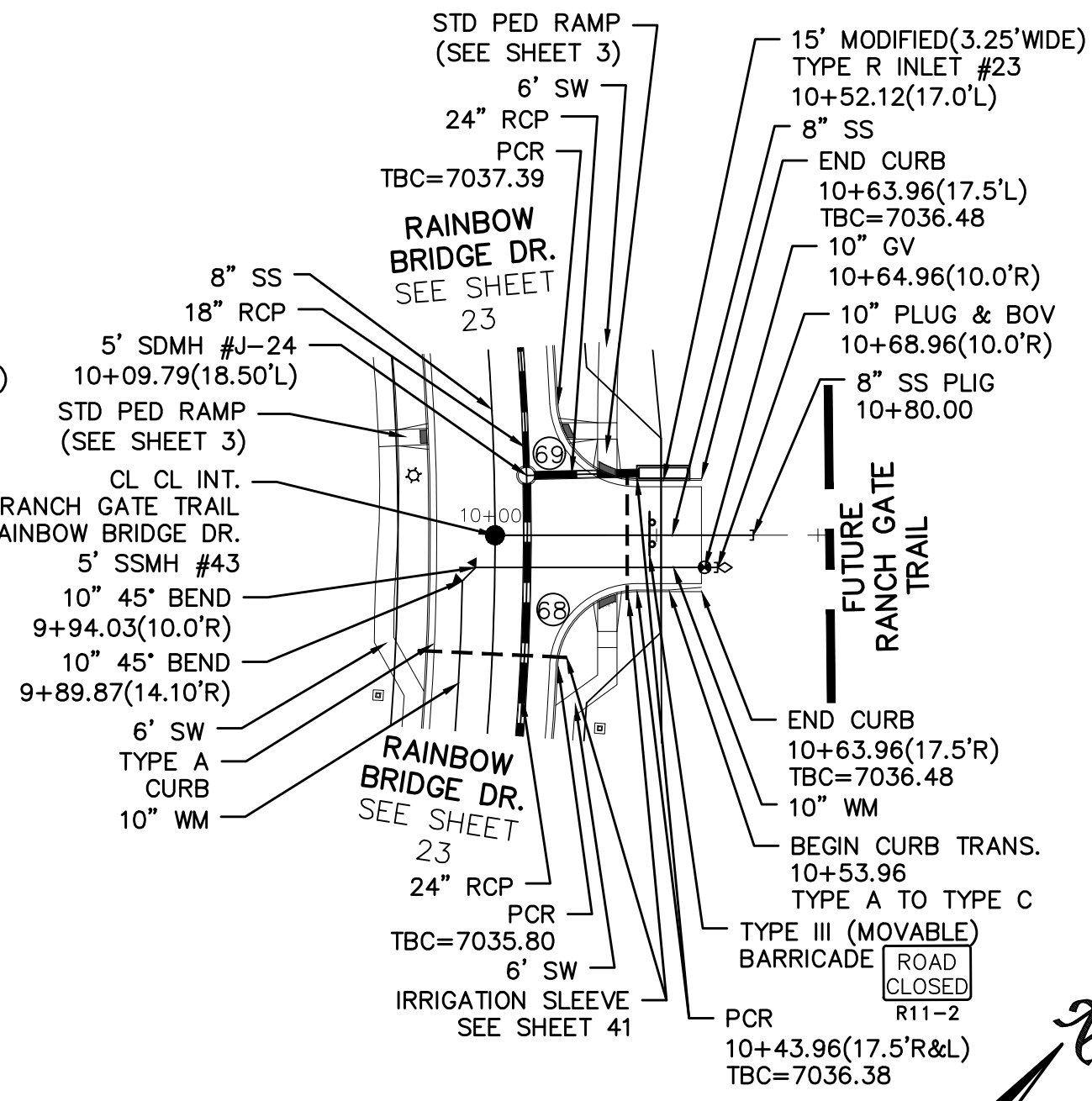
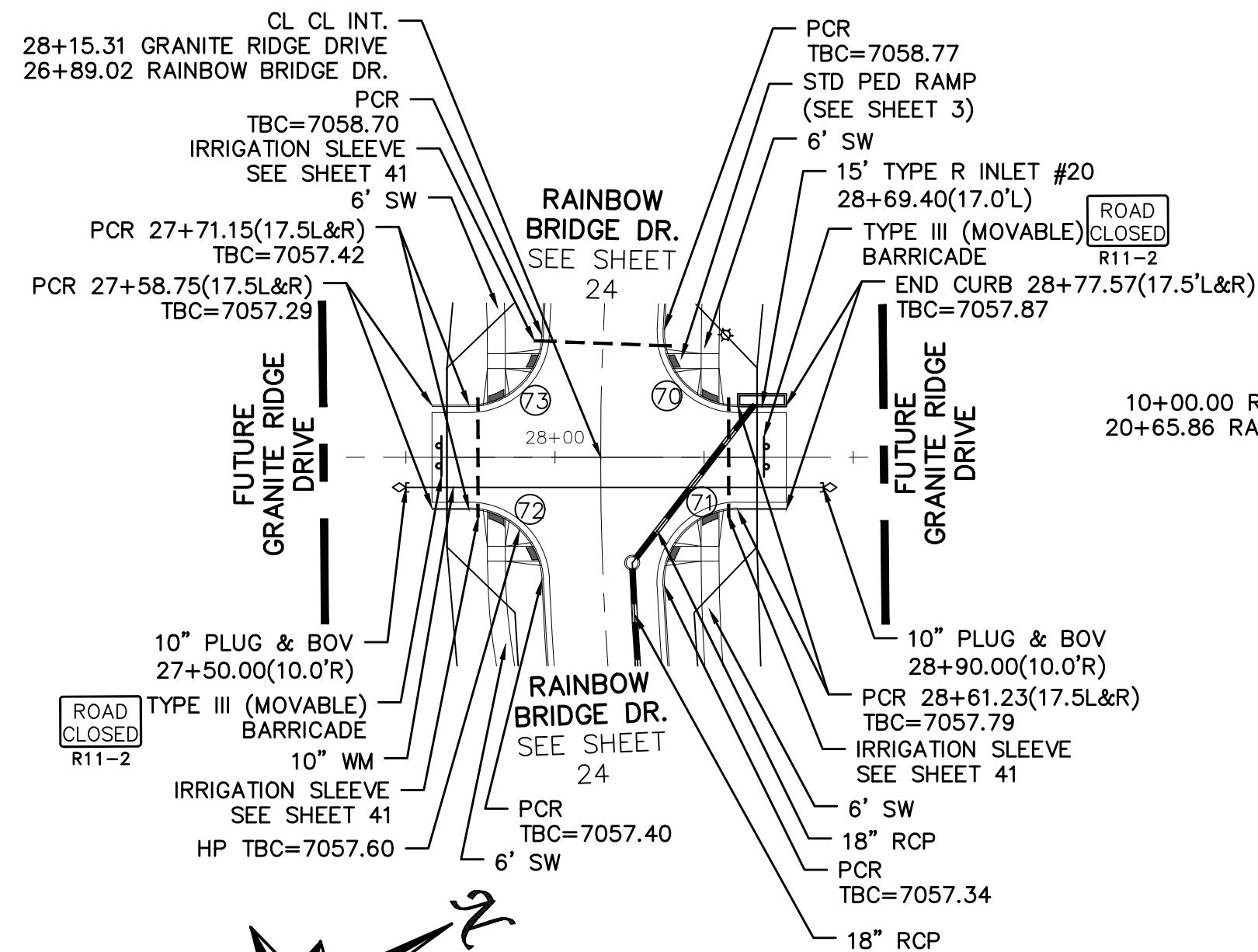
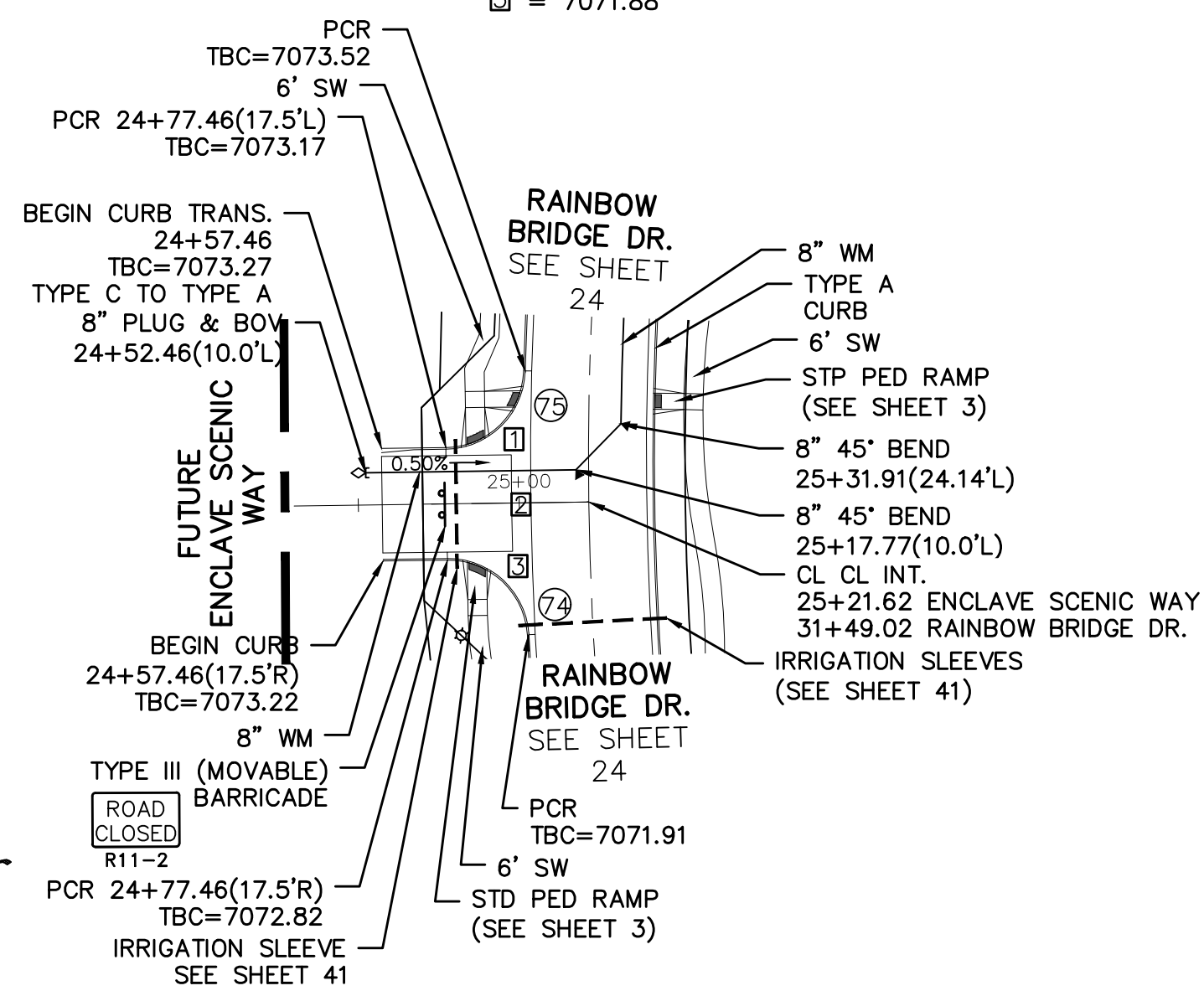
URBAN LOCAL, 60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



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

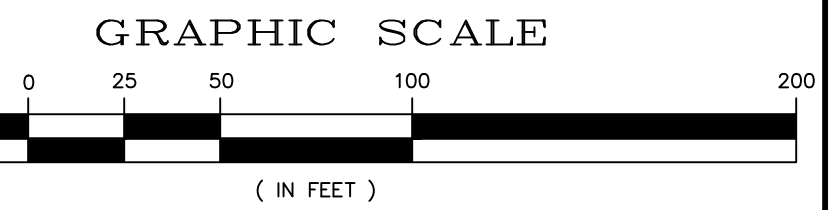
INSTALL CROSS PAN  
PER COUNTY STD  
SD-2-26

1 = 7072.55  
2 = 7072.21  
3 = 7071.88



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.)



# 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)

**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)

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

**MERIDIAN RANCH**

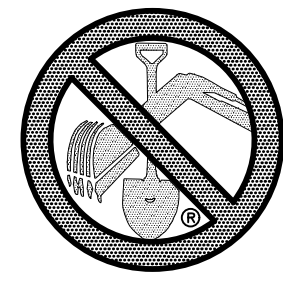
WINDINGWALK FI AT MERIDIAN RANCH  
STREET AND UTILITY PLANS  
RAINBOW BRIDGE INTERSECTIONS

Drawn by  
Checked by  
Date

Scale  
AS SHOWN  
27 of 55

COLORADO LICENSED  
PROFESSIONAL ENGINEER  
31429  
10/91

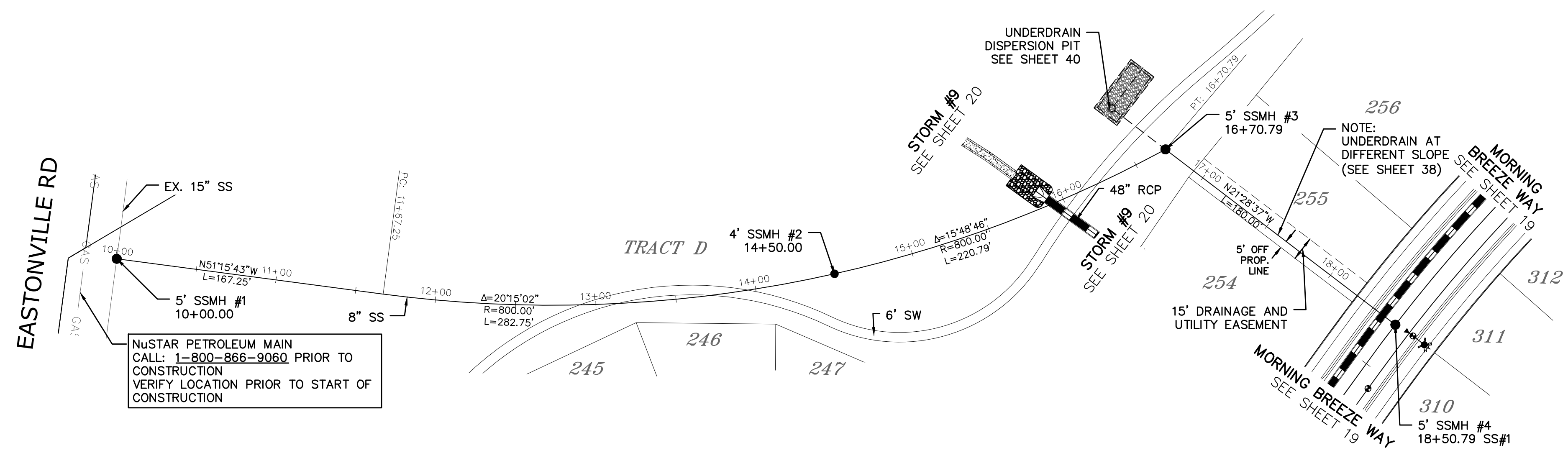
7100		7100		7075		7075		7055		7055
7095		7095		7070		7070		7050		7050
7090		7090		7065		7065		7045		7045
7085		7085		7060		7060		7040		7040
7080		7080		7055		7055		7035		7035
7075		7075		7050		7050		7030		7030
7070		7070		7045		7045		7025		7025
7065		7065		7040		7040		7020		7020
7060		7060		7035		7035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



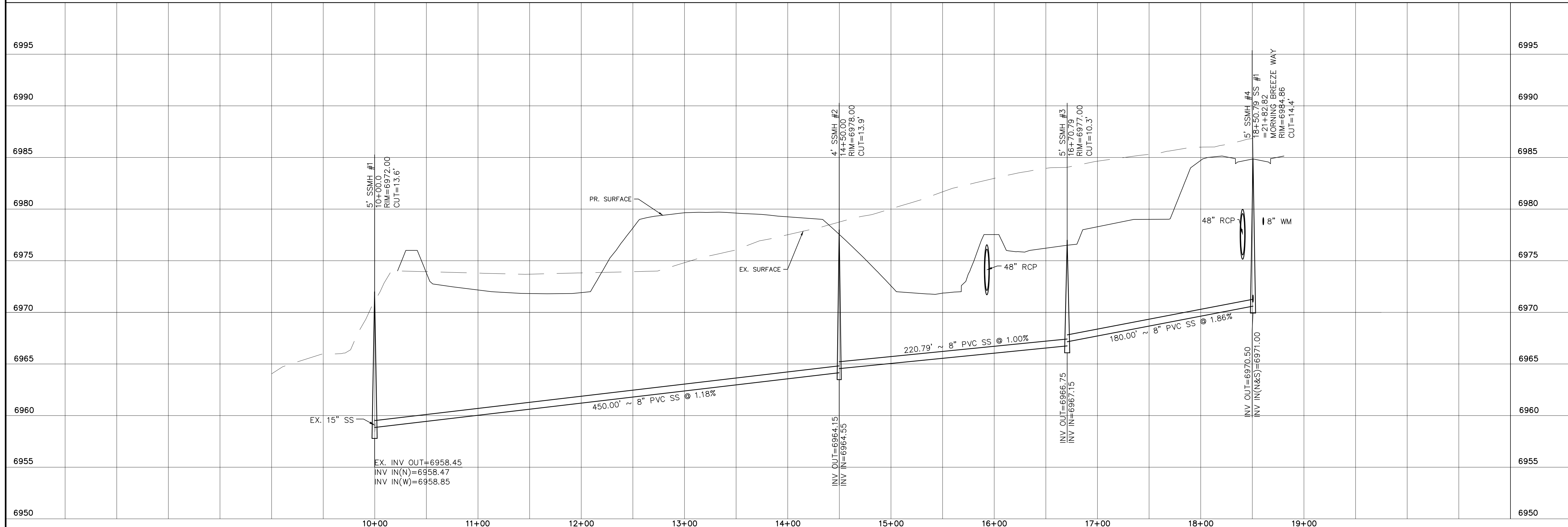
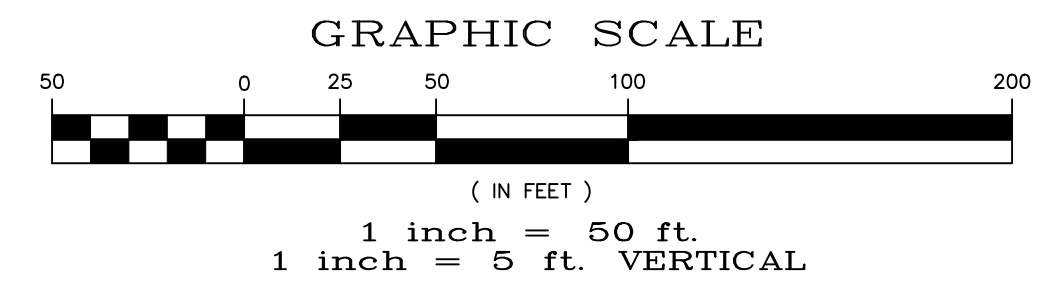
TWO WORKING DAYS  
**BEFORE YOU DIG**  
**CALL 811**

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

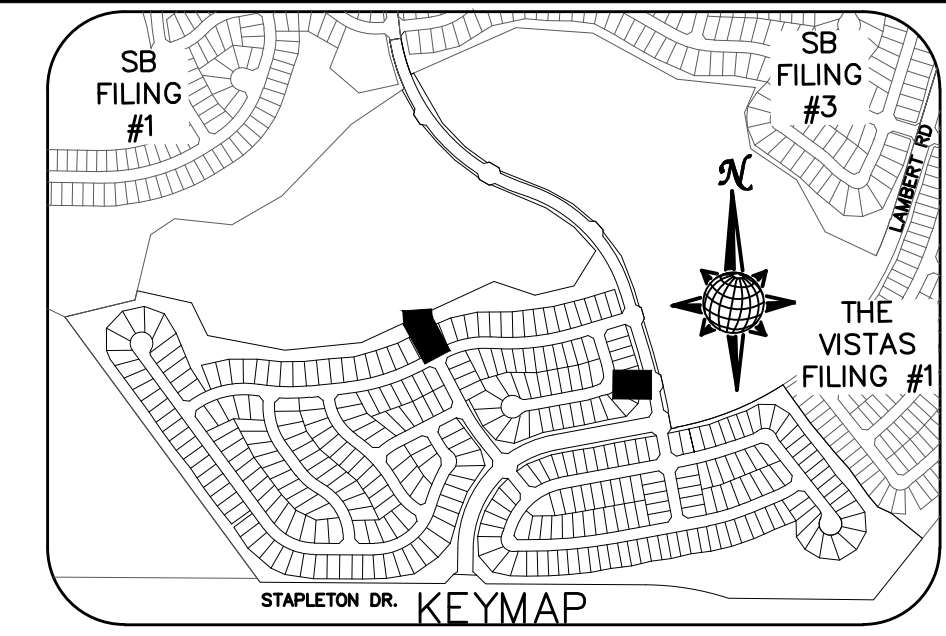
**Eastonville Rd**  
EX. 15" SS  
10+00.00  
NS1°15'43"W L=167.25'  
5' SSMH #1  
10+00.00  
NuSTAR PETROLEUM MAIN  
CALL: 1-800-866-9060 PRIOR TO  
CONSTRUCTION  
VERIFY LOCATION PRIOR TO START OF  
CONSTRUCTION



# SEWER #1

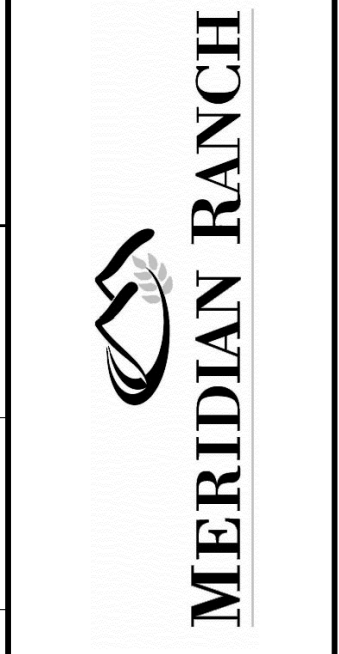


SB FILING #1	SB FILING #3	THE VISTAS FILING #1
STAPLETON DR. KEYMAP		
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		
 <b>MERIDIAN RANCH</b>		
WINDINGWALK FI AT MERIDIAN RANCH STREET AND UTILITY PLANS SEWER #1		
Scale AS SHOWN	Drawn by LOG	Checked by TAK
28 of 55	Date MAY 2018	



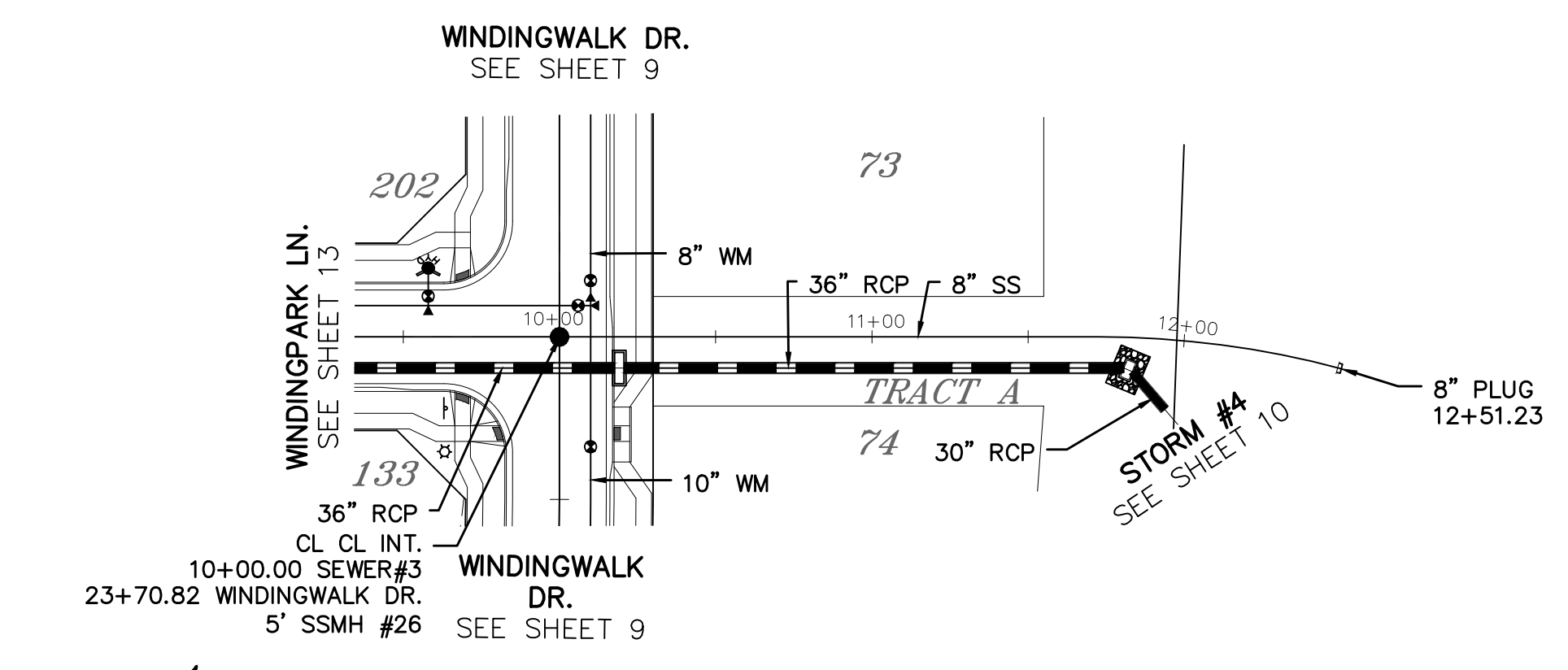
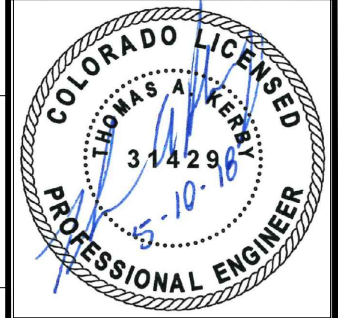
Date	Appr.	Date	Invt.	No.	Revisions

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

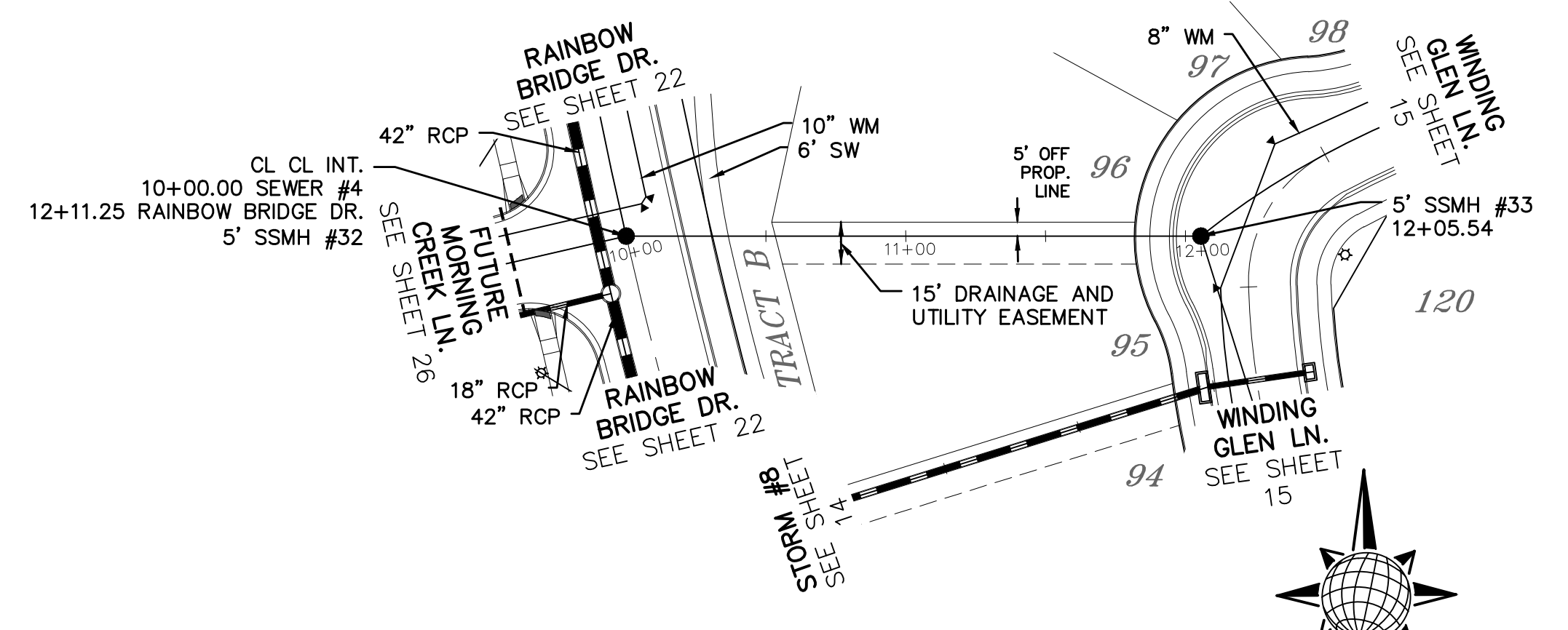
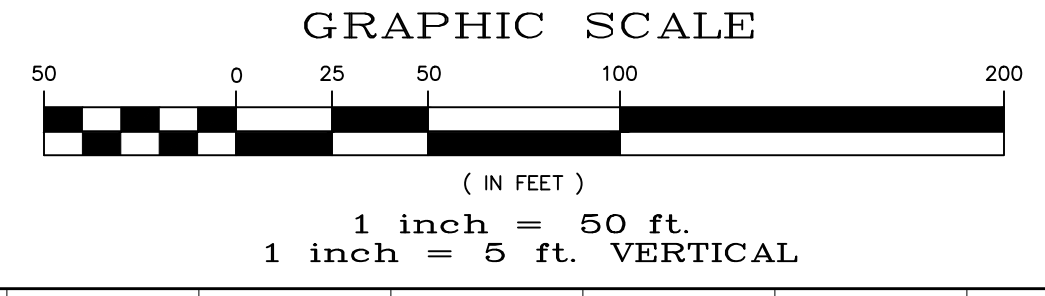
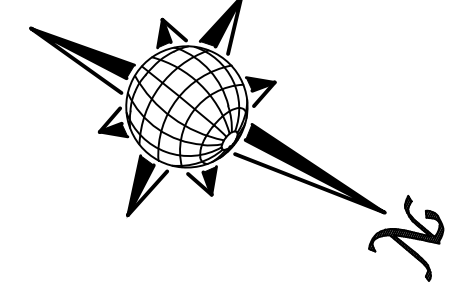


WINDINGWALK FI AT MERIDIAN RANCH  
STREET AND UTILITY PLANS  
SEWER #3 + #4

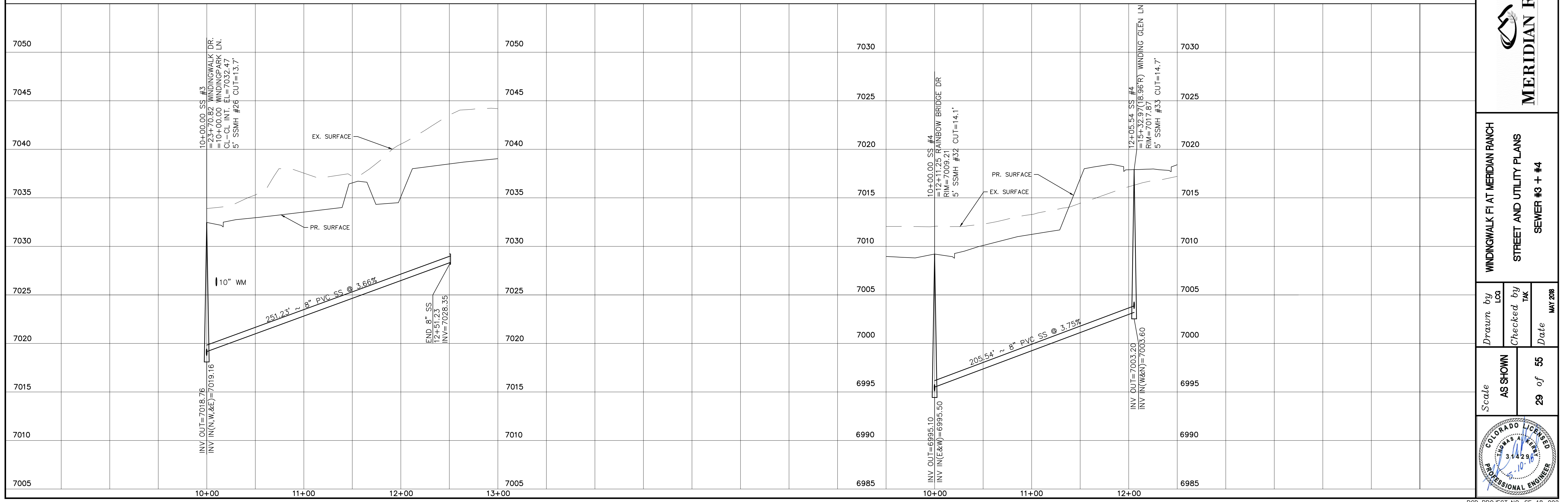
Scale	AS SHOWN	Drawn by	LOG	Checked by	TAK	Date	MAY 2008
	29 of 55						



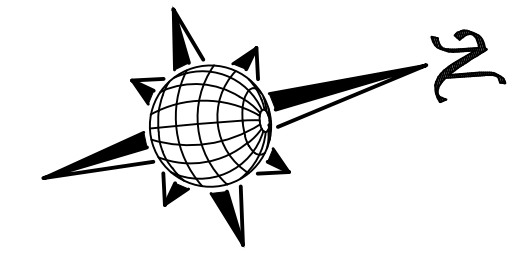
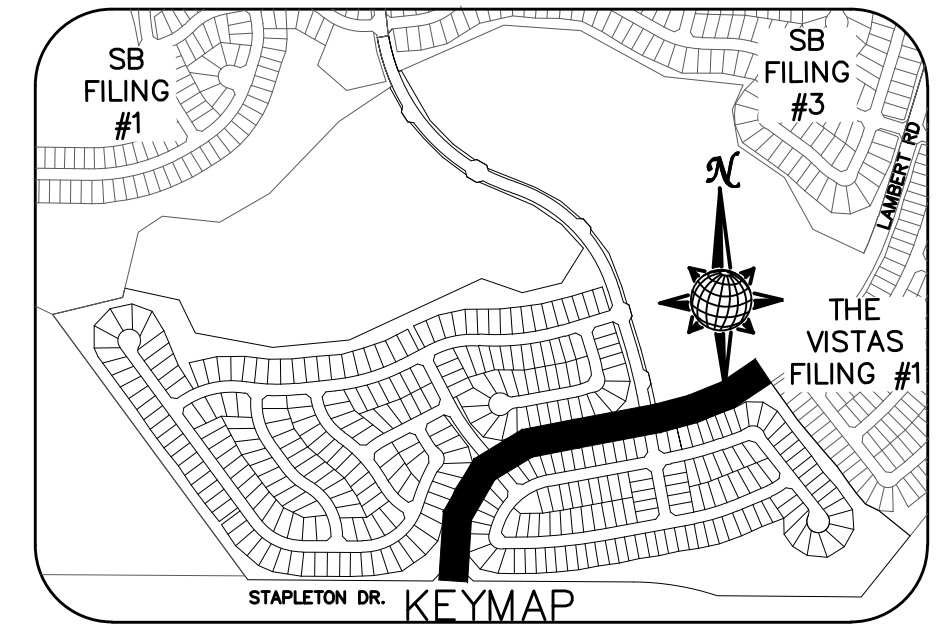
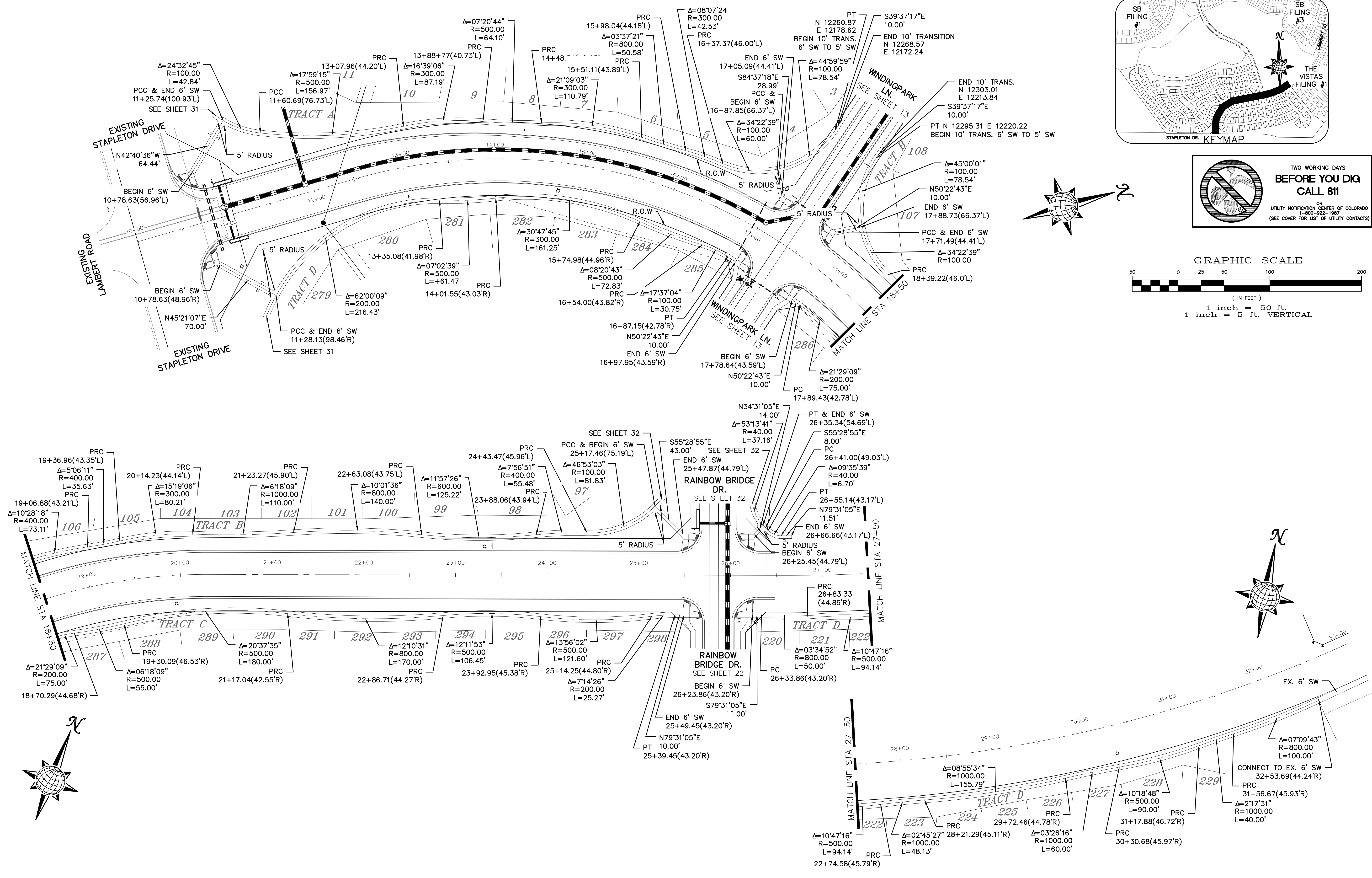
## SEWER #3



## SEWER #4

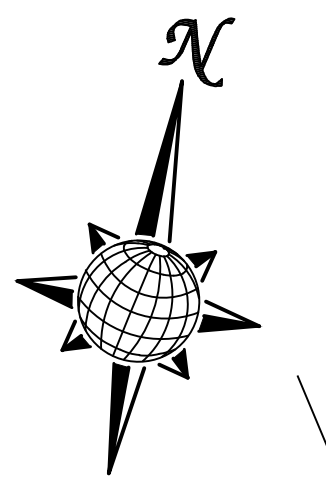
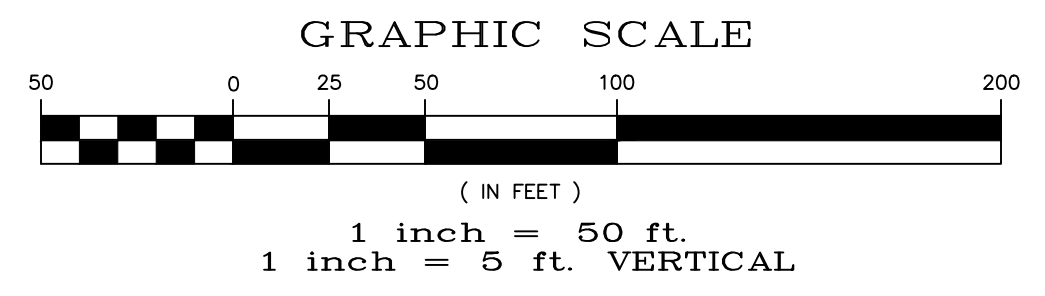


# LAMBERT RD. 6' SIDEWALK PLAN



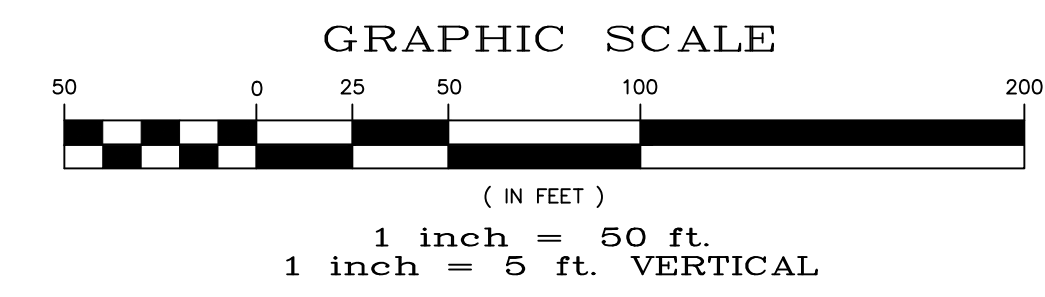
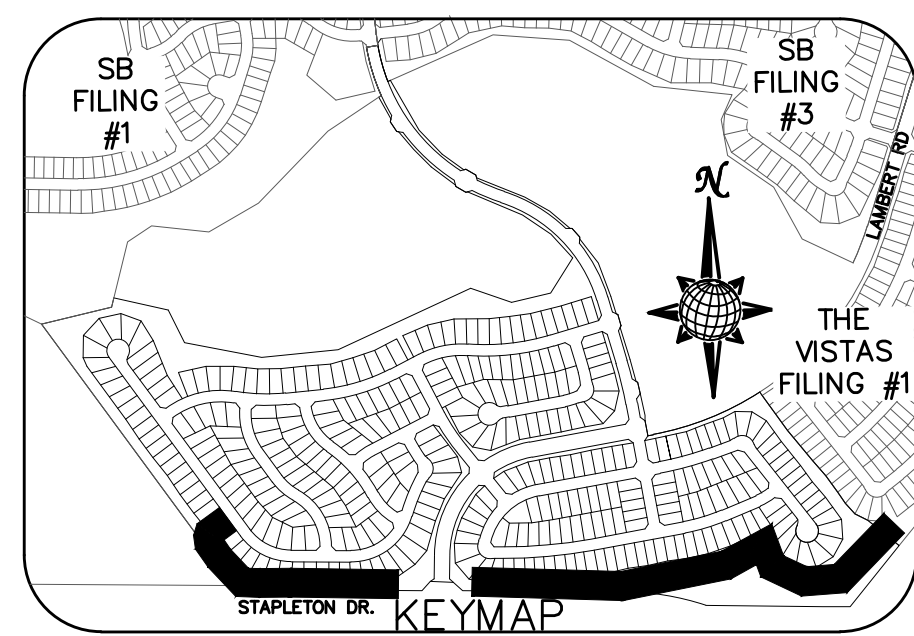
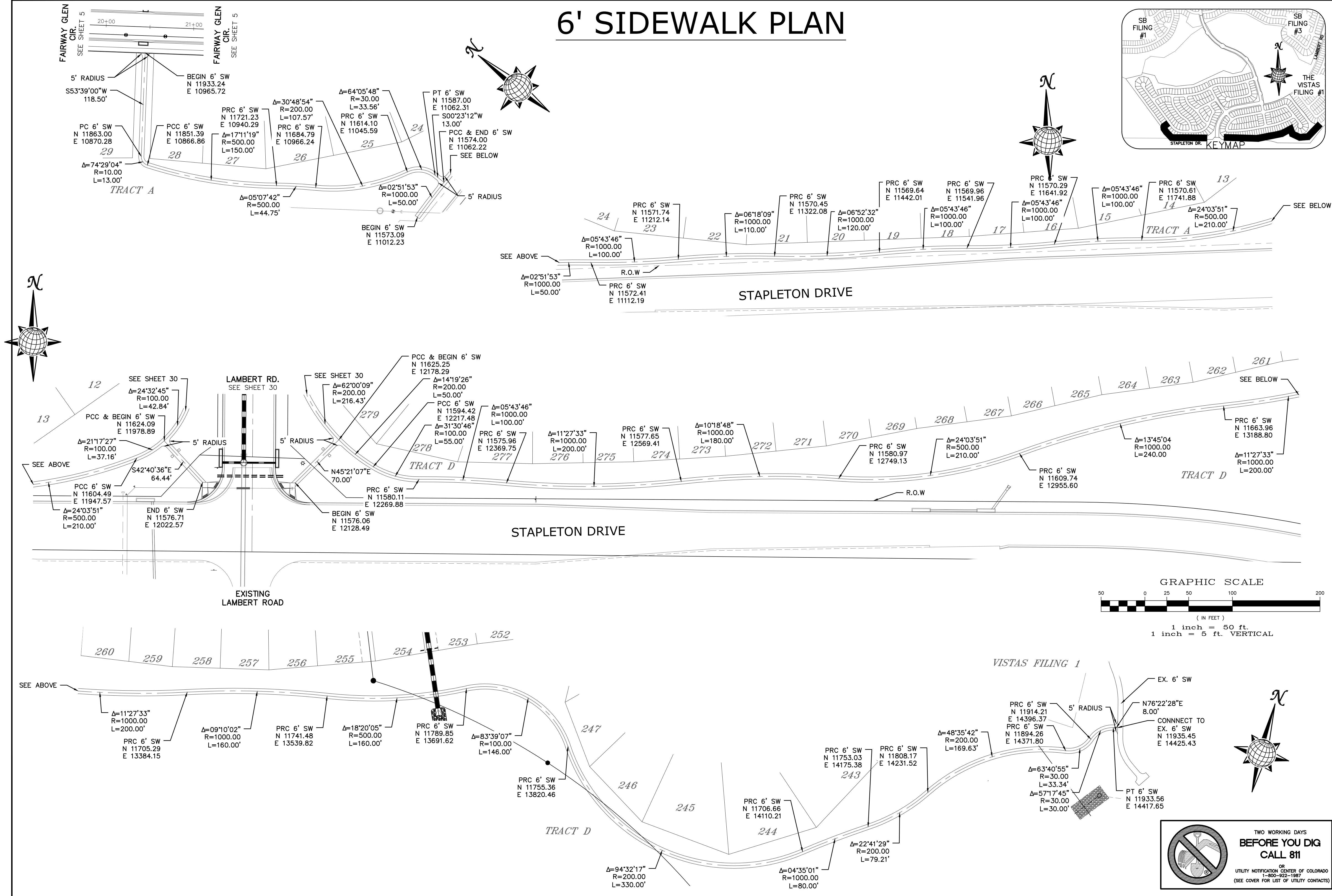
**TWO WORKING DAYS  
BEFORE YOU DIG  
CALL 811**

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



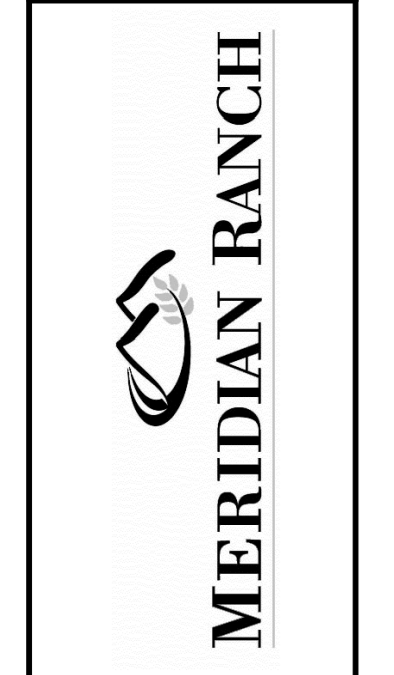
Drawn by	LOG	Checked by	TAK	Date	MAY 2008
Scale	AS SHOWN	30 of	55		
<b>WINDINGPARK F1 AT MERIDIAN RANCH STREET AND UTILITY PLANS SIDEWALK PLAN</b>					
<b>TECH CONTRACTORS</b> 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
No.	Revisions	Date	Appr.	Date	

# 6' SIDEWALK PLAN



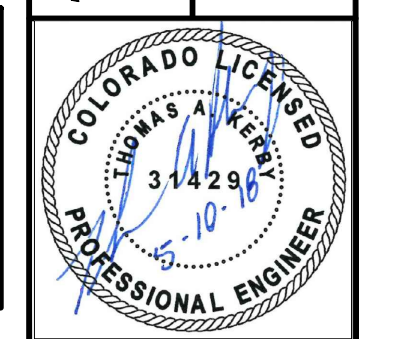
No.	Revisions	Date	Appr.

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	LOG	Checked by	TAK	Date	MAY 2008
Scale	AS SHOWN	81	of	55	



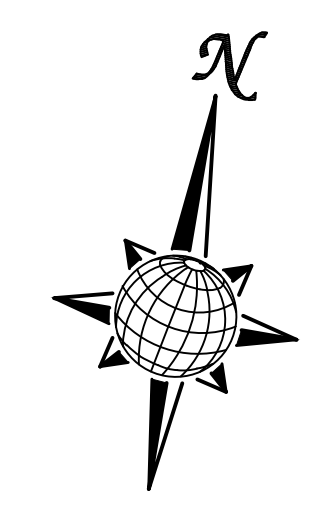
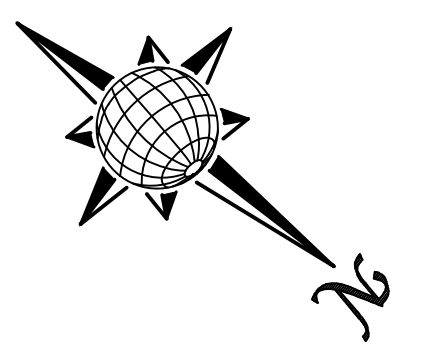
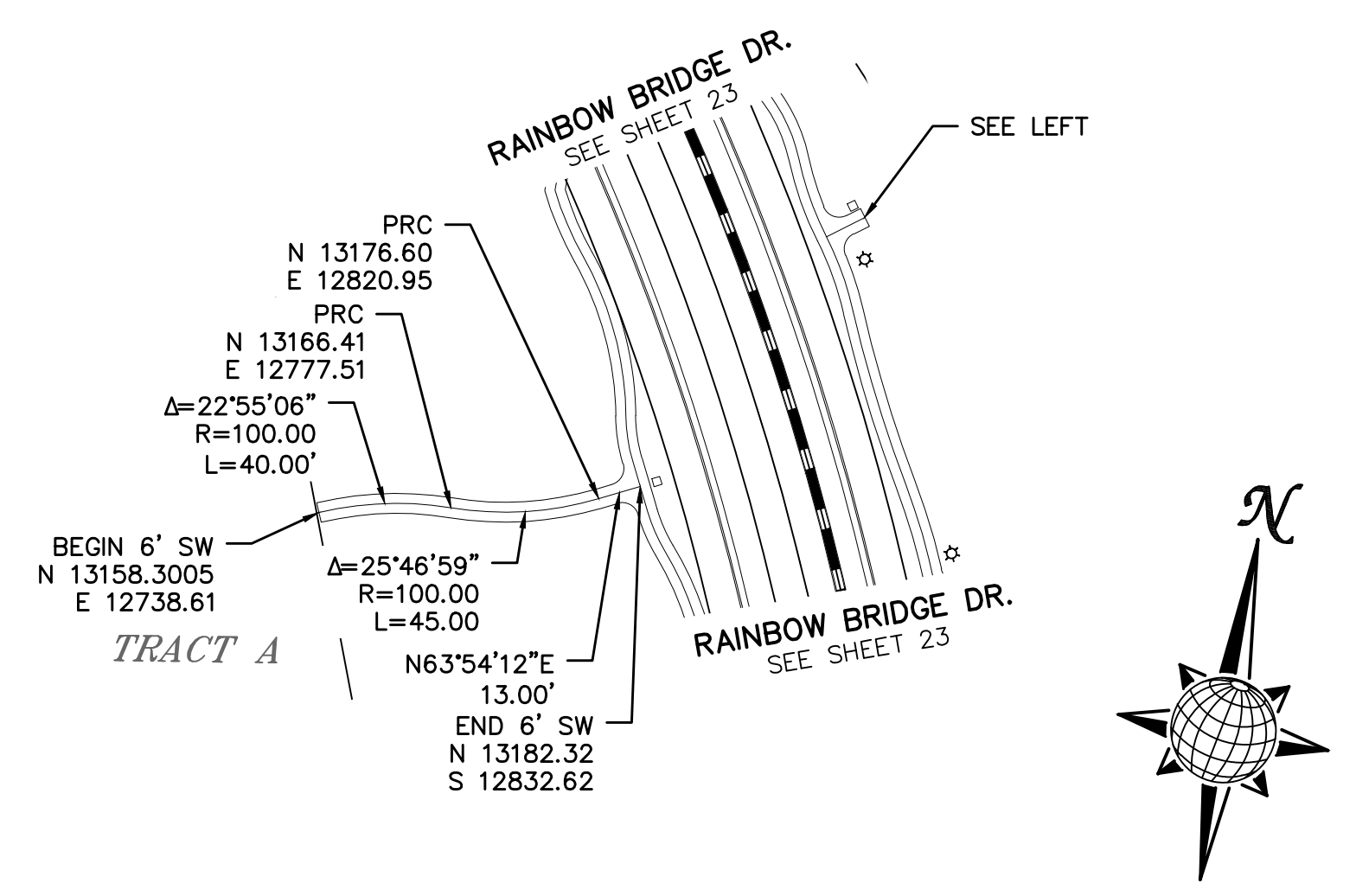
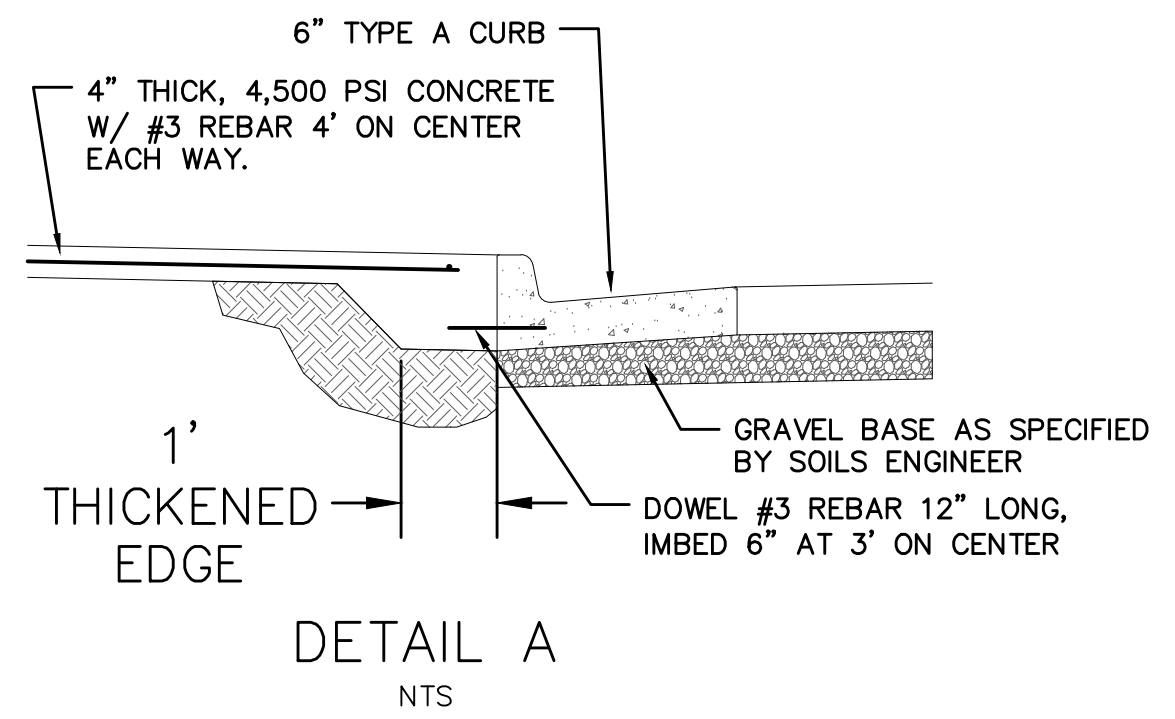
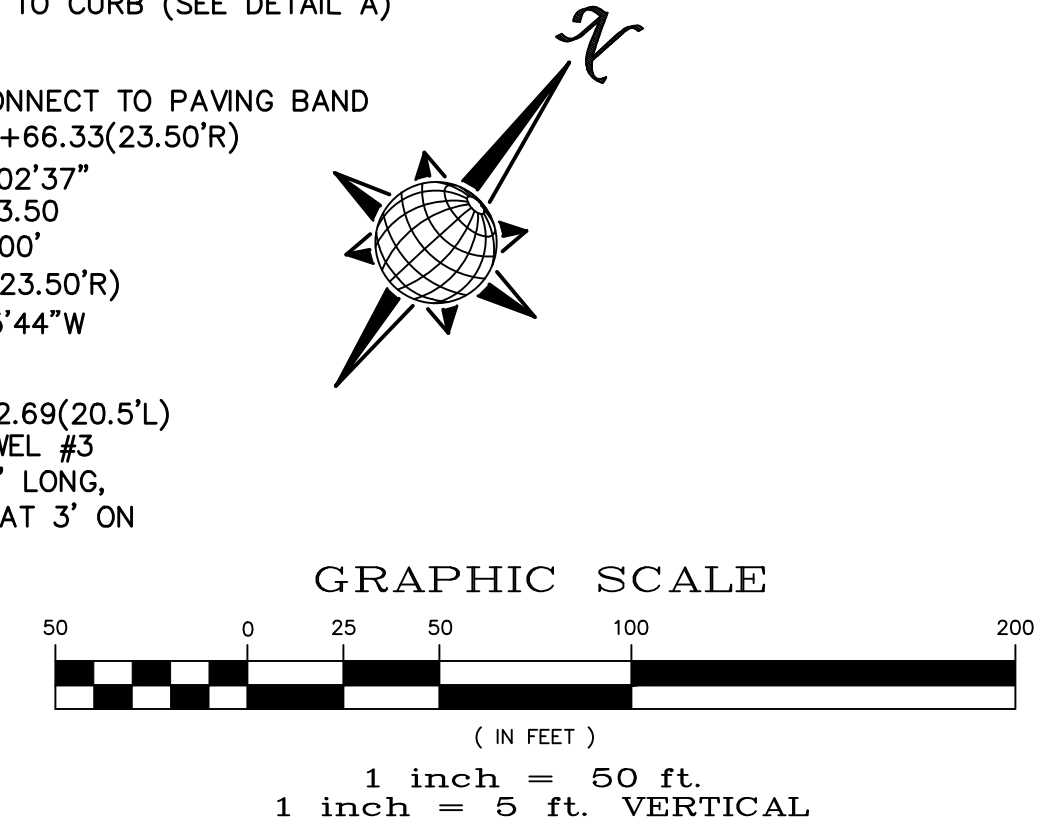
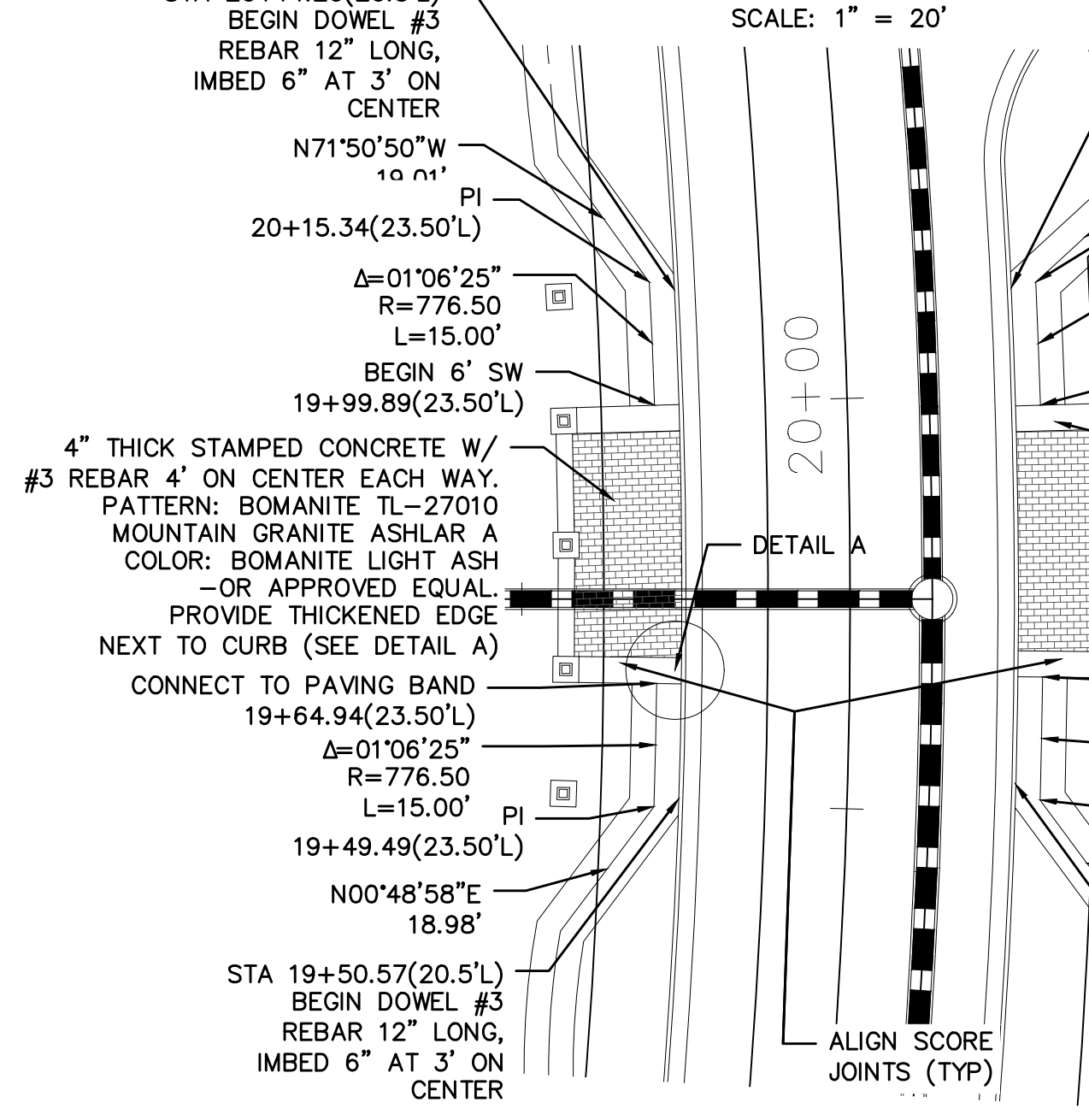
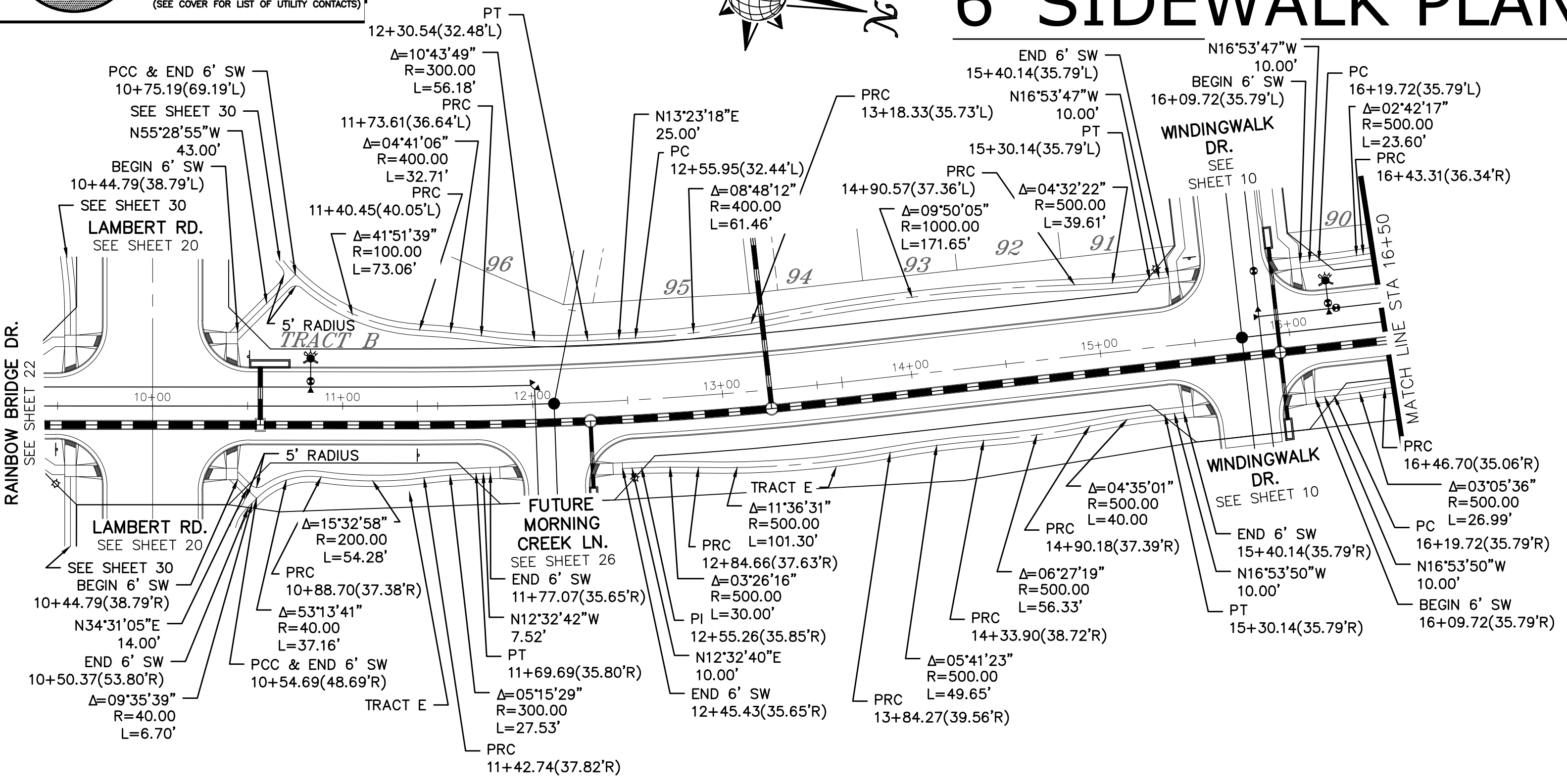
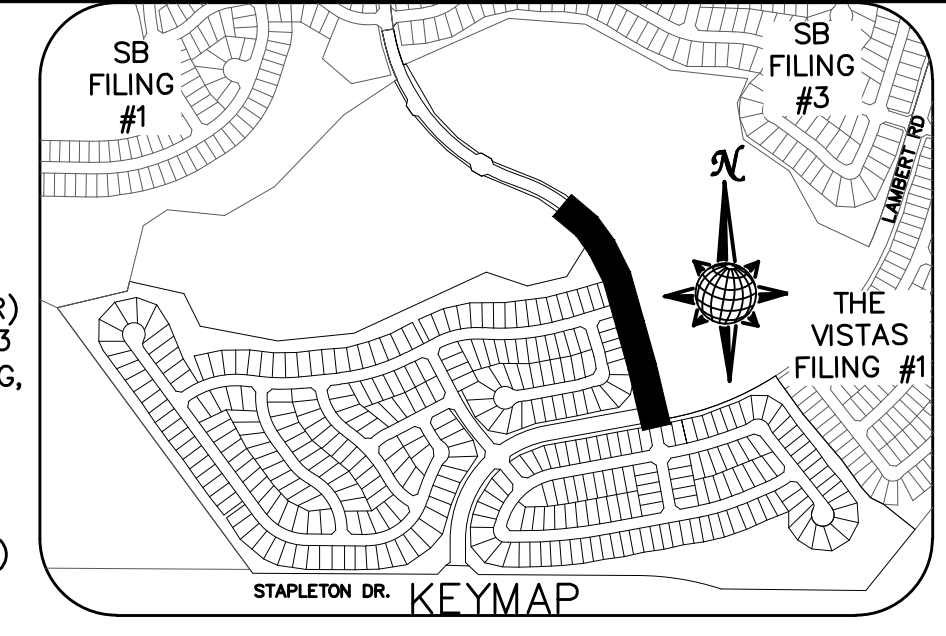
TWO WORKING DAYS  
**BEFORE YOU DIG**  
**CALL 811**  
 OR  
 UTILITY NOTIFICATION CENTER OF COLORADO  
 1-800-922-1987  
 (SEE COVER FOR LIST OF UTILITY CONTACTS)

**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)

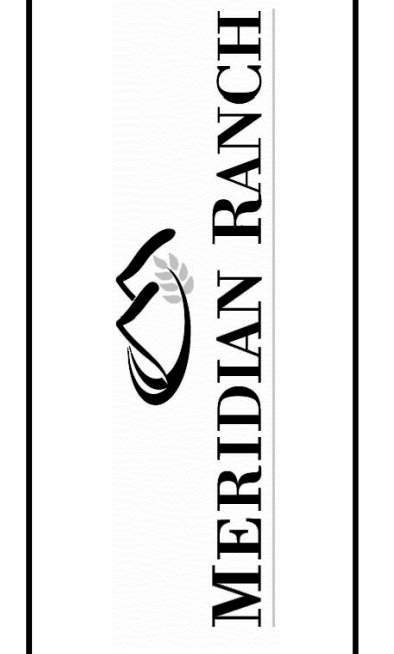
# RAINBOW BRIDGE DR. 6' SIDEWALK PLAN

## 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

Checked by  
TAK

Date  
MAY 2008

Scale  
AS SHOWN

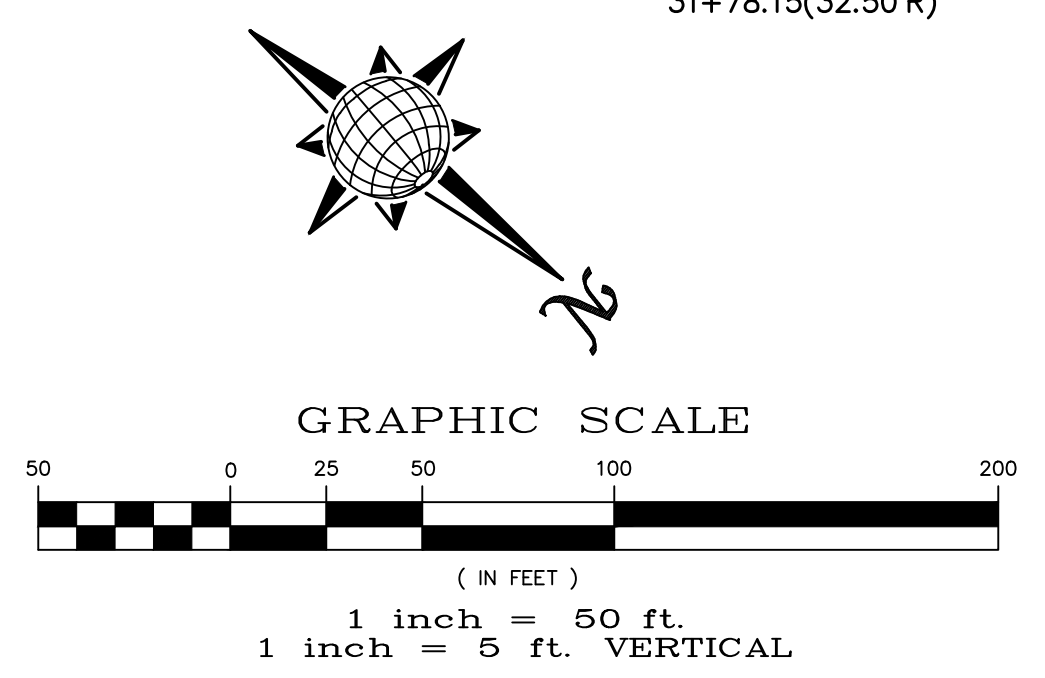
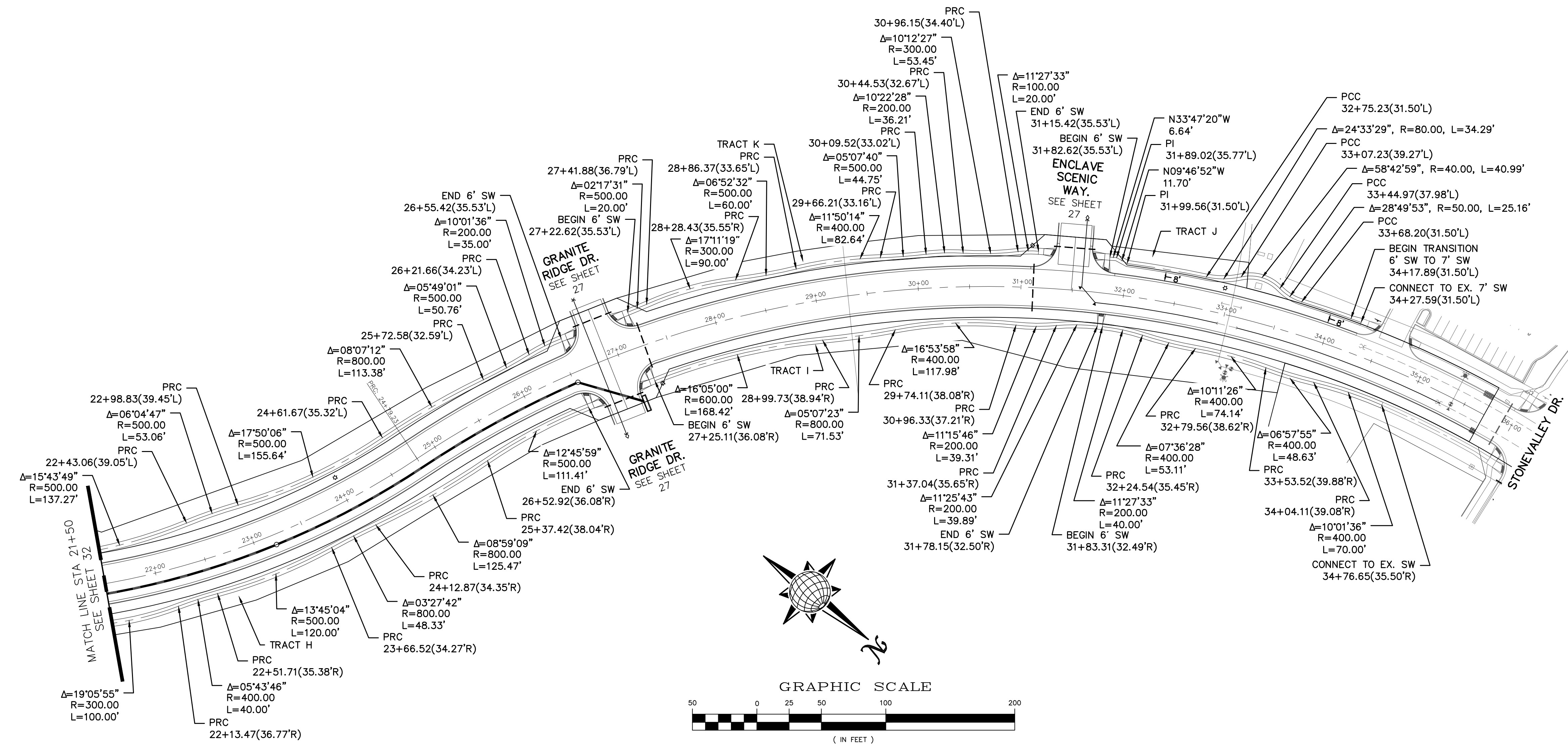
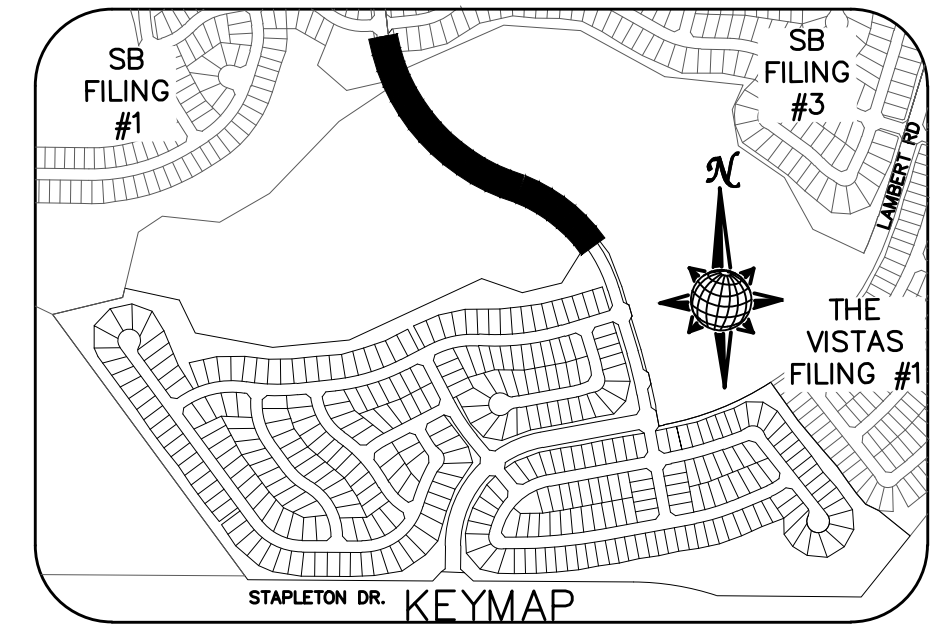
32 of 55





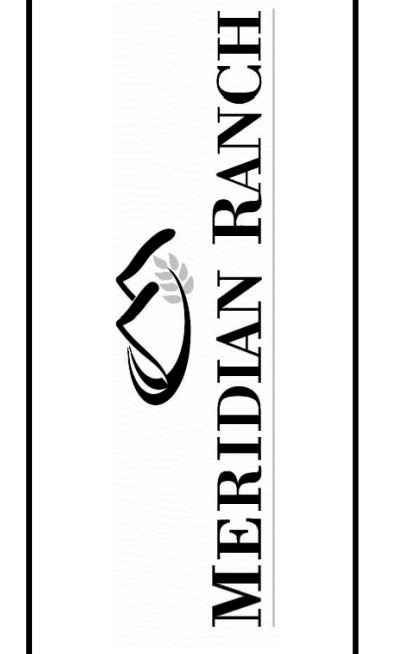


# RAINBOW BRIDGE DR. 6' SIDEWALK PLAN



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  
 SIDEWALK PLAN

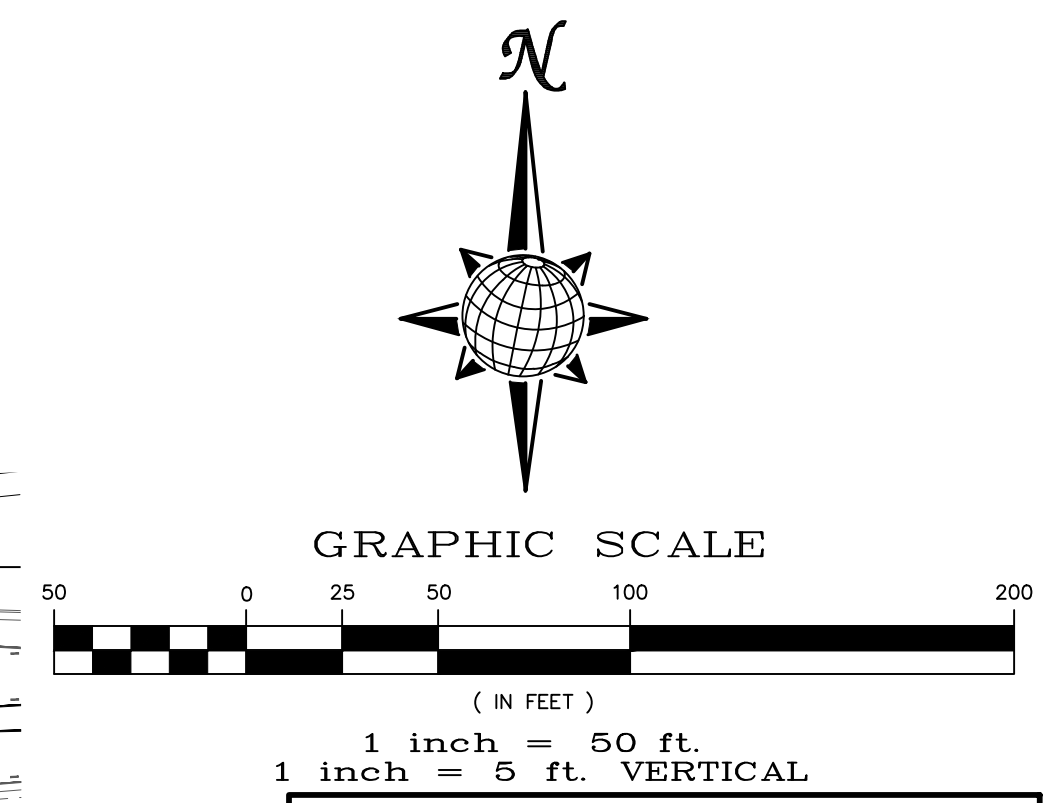
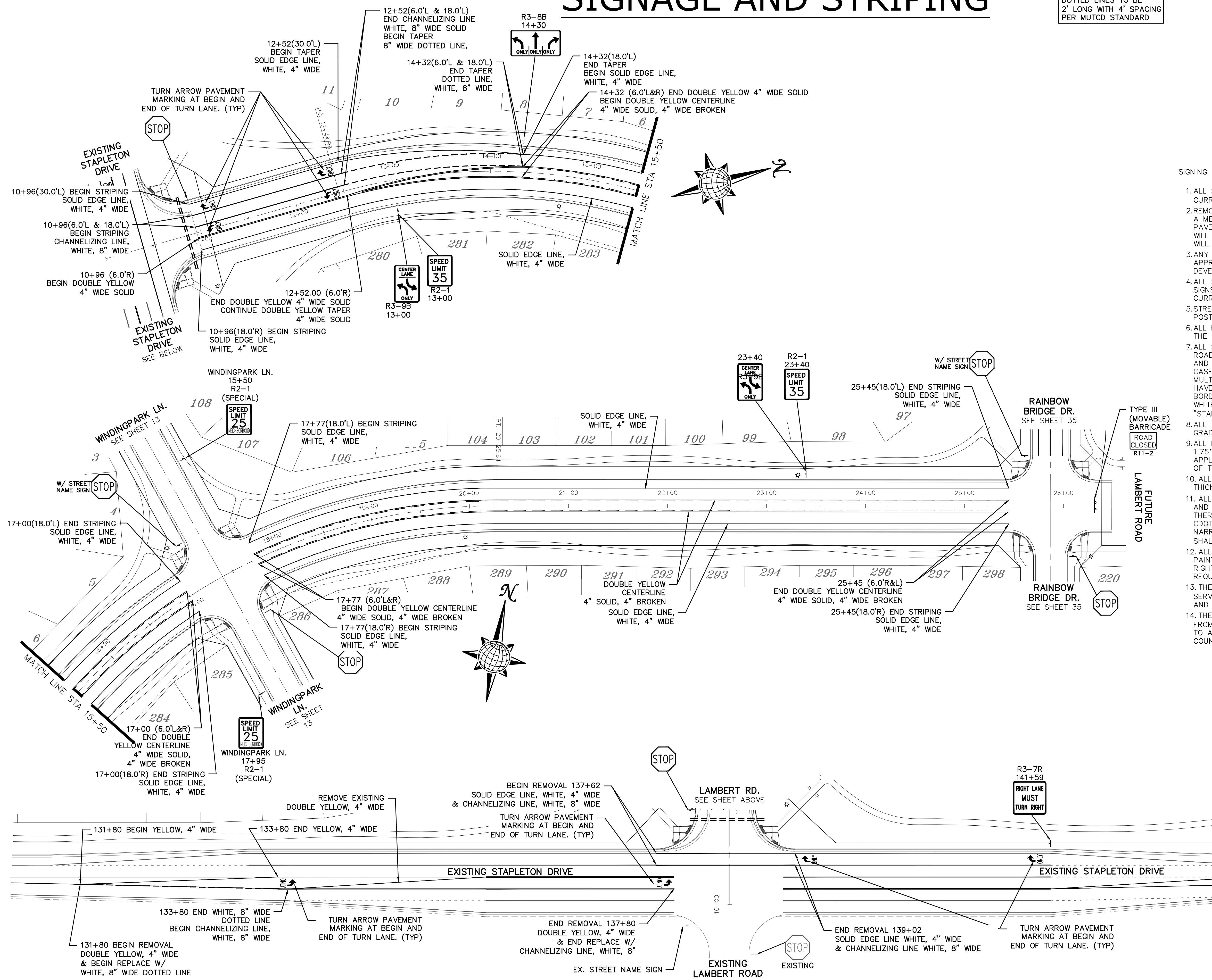
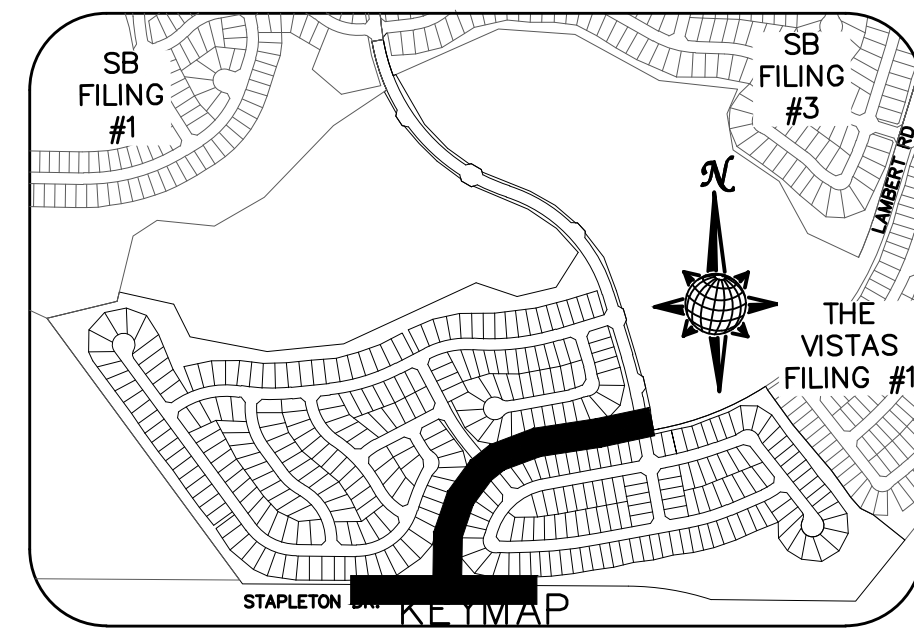
Drawn by LOG	Checked by TKM	Date MAY 2008
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Scale  
AS SHOWN  
33 of 55



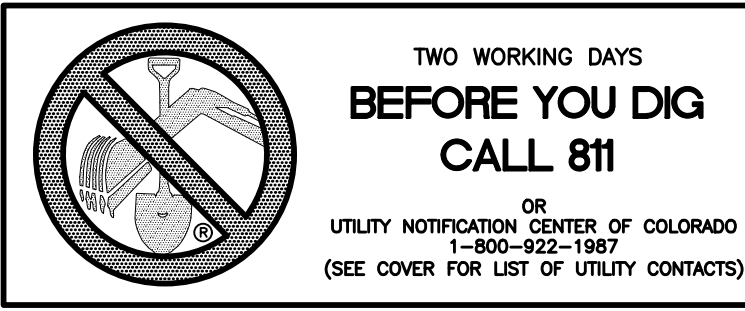
# SIGNAGE AND STRIPING

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

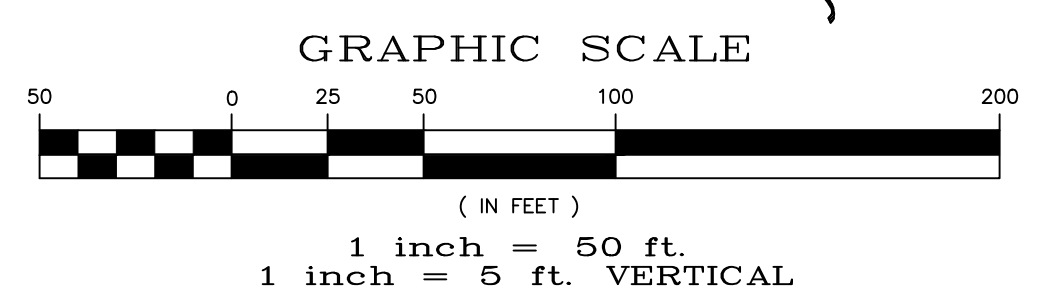
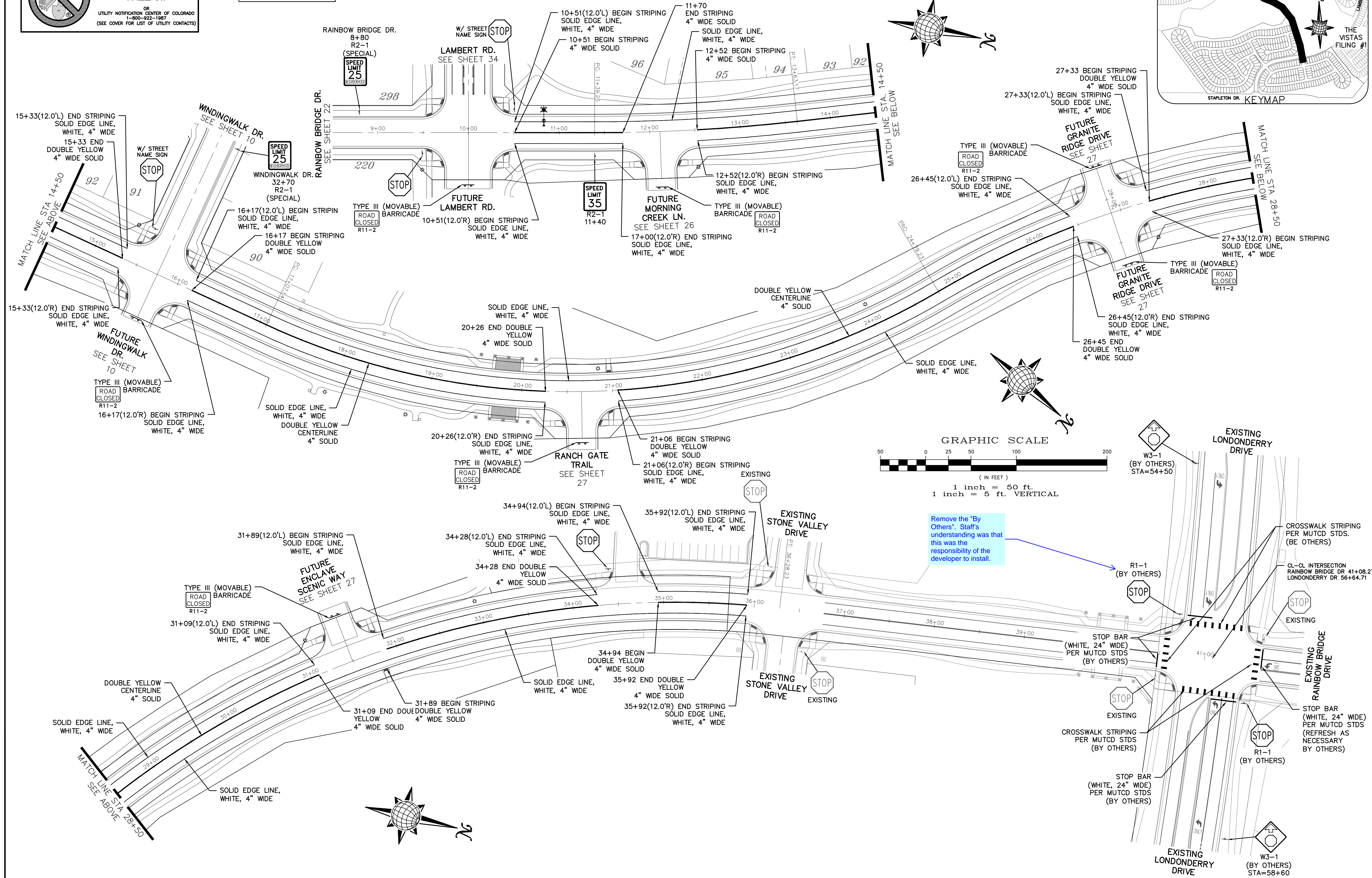
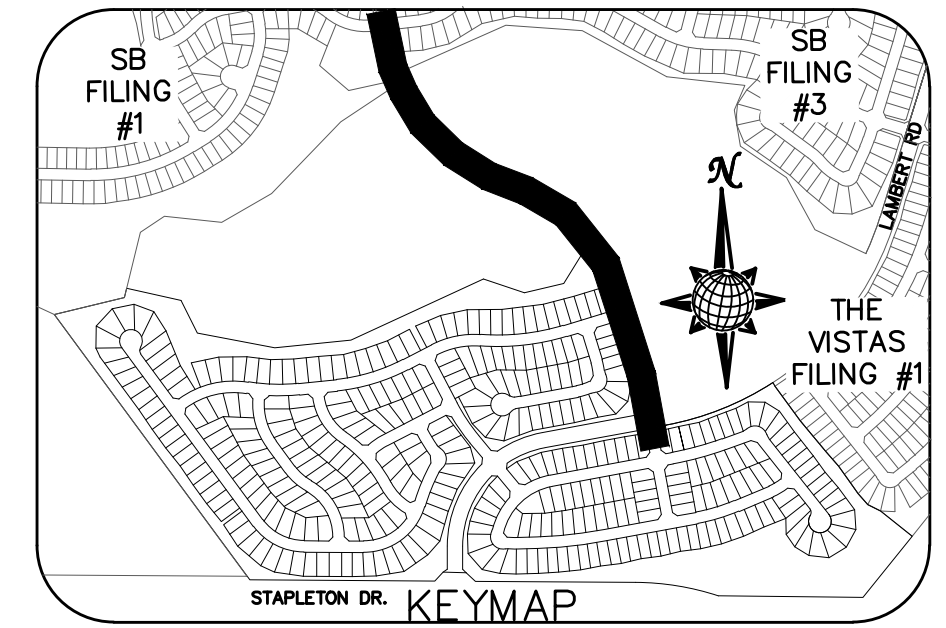


Drawn by	LOG	Checked by	TAK	Date	MAY 2018
Scale	AS SHOWN	of	55		
WINDINGPARK FI AT MERIDIAN RANCH STREET AND UTILITY PLANS SIGNAGE AND STRIPING					
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
MERIDIAN RANCH					
COLORADO LICENSED PROFESSIONAL ENGINEER 31428					

# SIGNAGE AND STRIPING

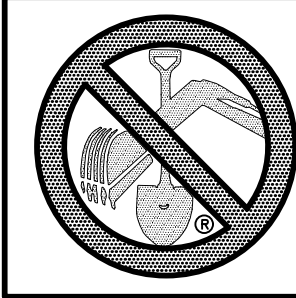


NOTE: DOTTED LINES TO BE 2' LONG WITH 4' SPACING PER MUTCD STANDARD



Remove the "By Others". Staff's understanding was that this was the responsibility of the developer to install.

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



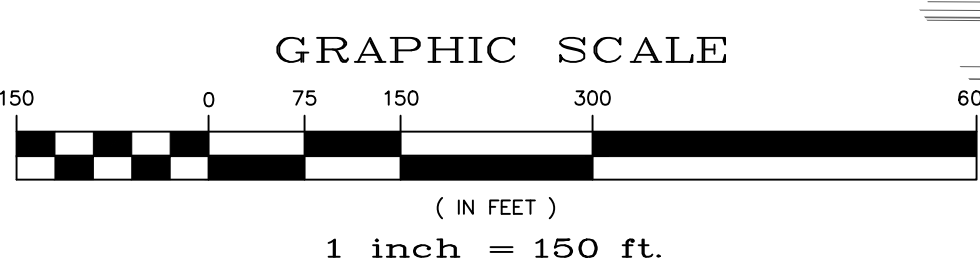
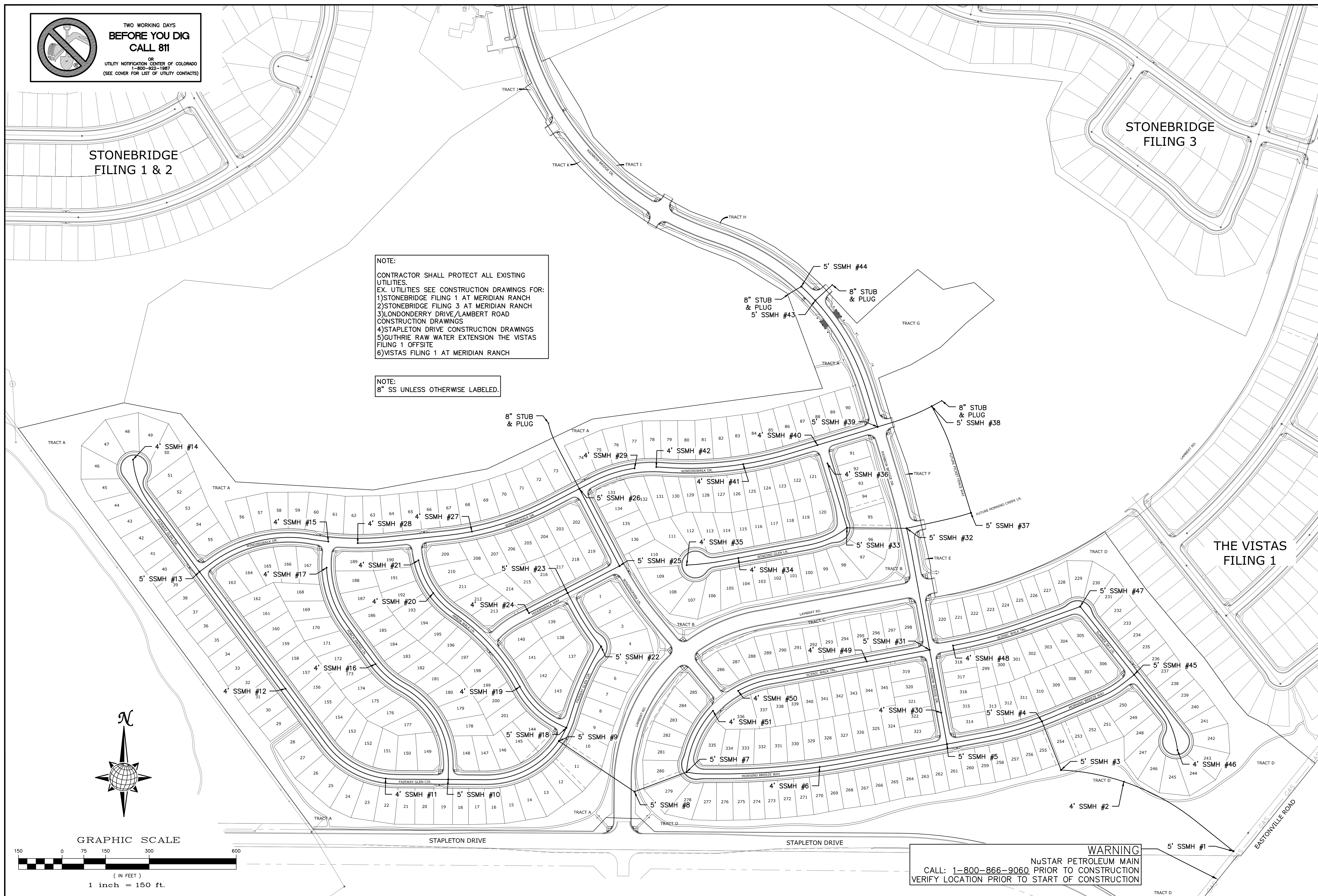
TWO WORKING DAYS  
**BEFORE YOU DIG  
 CALL 811**  
 OR  
 UTILITY NOTIFICATION CENTER OF COLORADO  
 1-800-922-1987  
 (SEE COVER FOR LIST OF UTILITY CONTACTS)

STONEBRIDGE  
 FILING 1 & 2

STONEBRIDGE  
 FILING 3

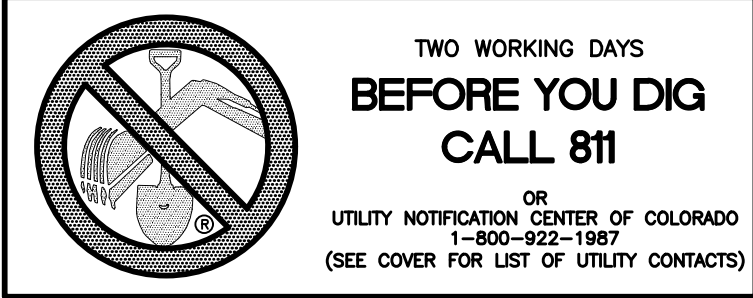
NOTE:  
 CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.  
 EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:  
 1)STONEBRIDGE FILING 1 AT MERIDIAN RANCH  
 2)STONEBRIDGE FILING 3 AT MERIDIAN RANCH  
 3)LONDONDERRY DRIVE/LAMBERT ROAD CONSTRUCTION DRAWINGS  
 4)STAPLETON DRIVE CONSTRUCTION DRAWINGS  
 5)GUTHRIE 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.	Revisions	Date	Appr.
 <b>MERIDIAN RANCH</b>		WINDINGWALK FI AT MERIDIAN RANCH		Drawn by	LOG
		STREET AND UTILITY PLANS		Checked by	TAK
OVERALL SANITARY SEWER		Scale	AS SHOWN	36 of 55	Date
				MAY 2018	

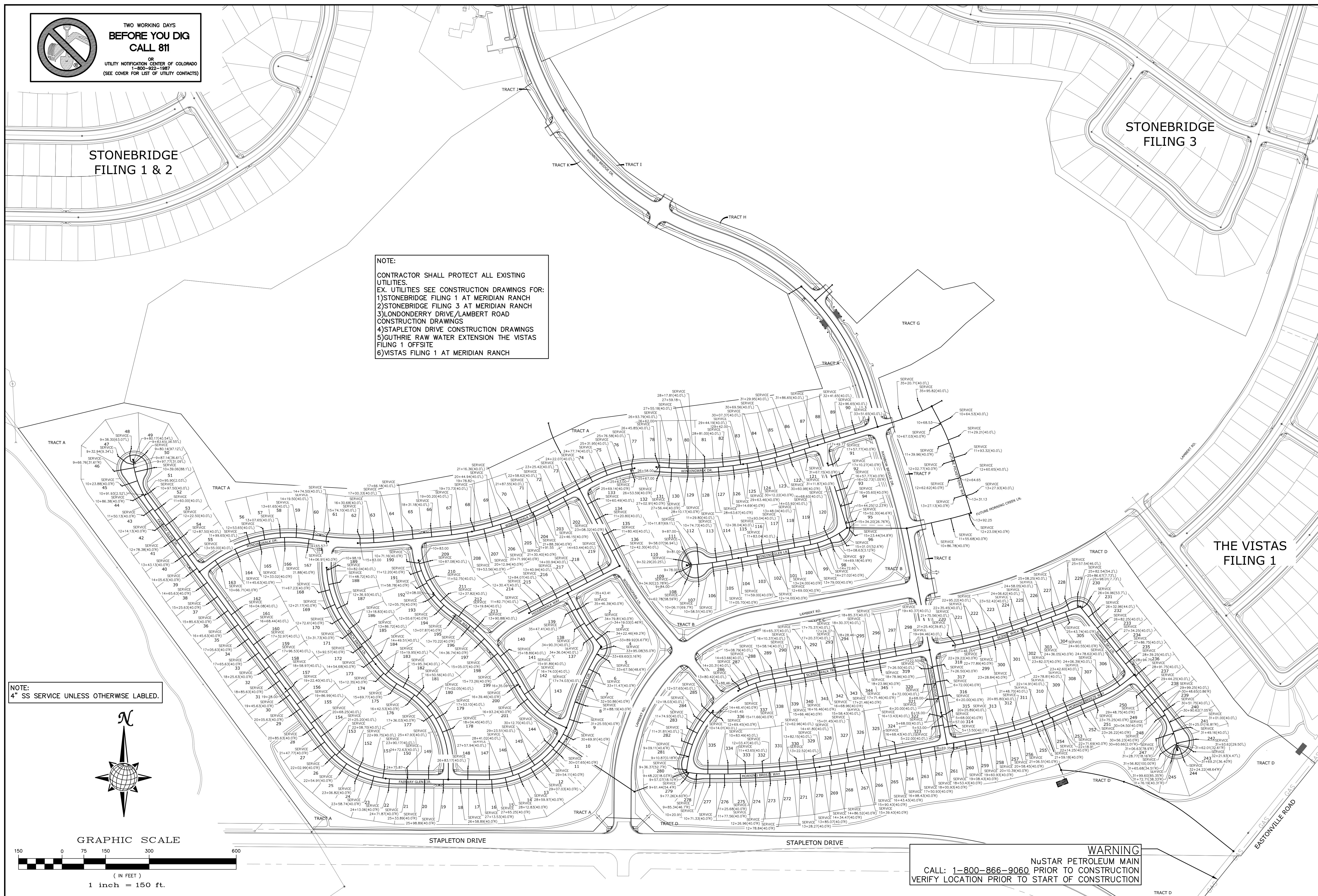
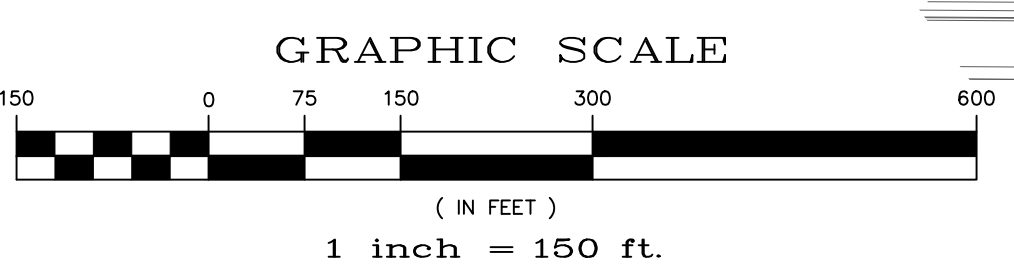
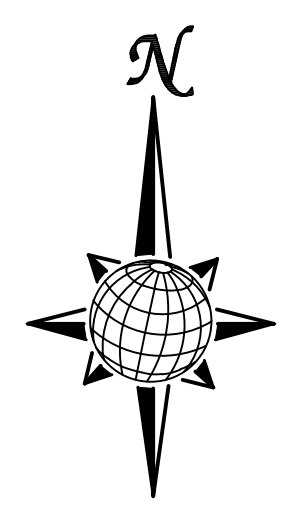


STONEBRIDGE FILING 1 & 2

STONEBRIDGE FILING 3

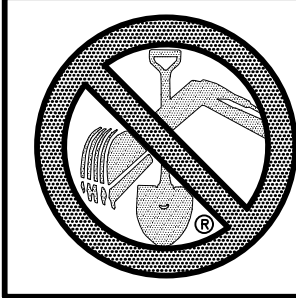
NOTE: CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES. EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR: 1)STONEBRIDGE FILING 1 AT MERIDIAN RANCH 2)STONEBRIDGE FILING 3 AT MERIDIAN RANCH 3)LONDONDERRY DRIVE/LAMBERT ROAD CONSTRUCTION DRAWINGS 4)STAPLETON DRIVE CONSTRUCTION DRAWINGS 5)GUTHRIE RAW WATER EXTENSION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

NOTE: 4" SS SERVICE UNLESS OTHERWISE LABELED.



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)

**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

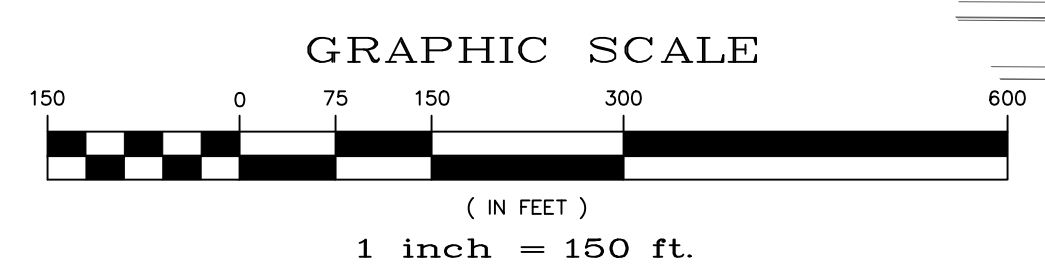
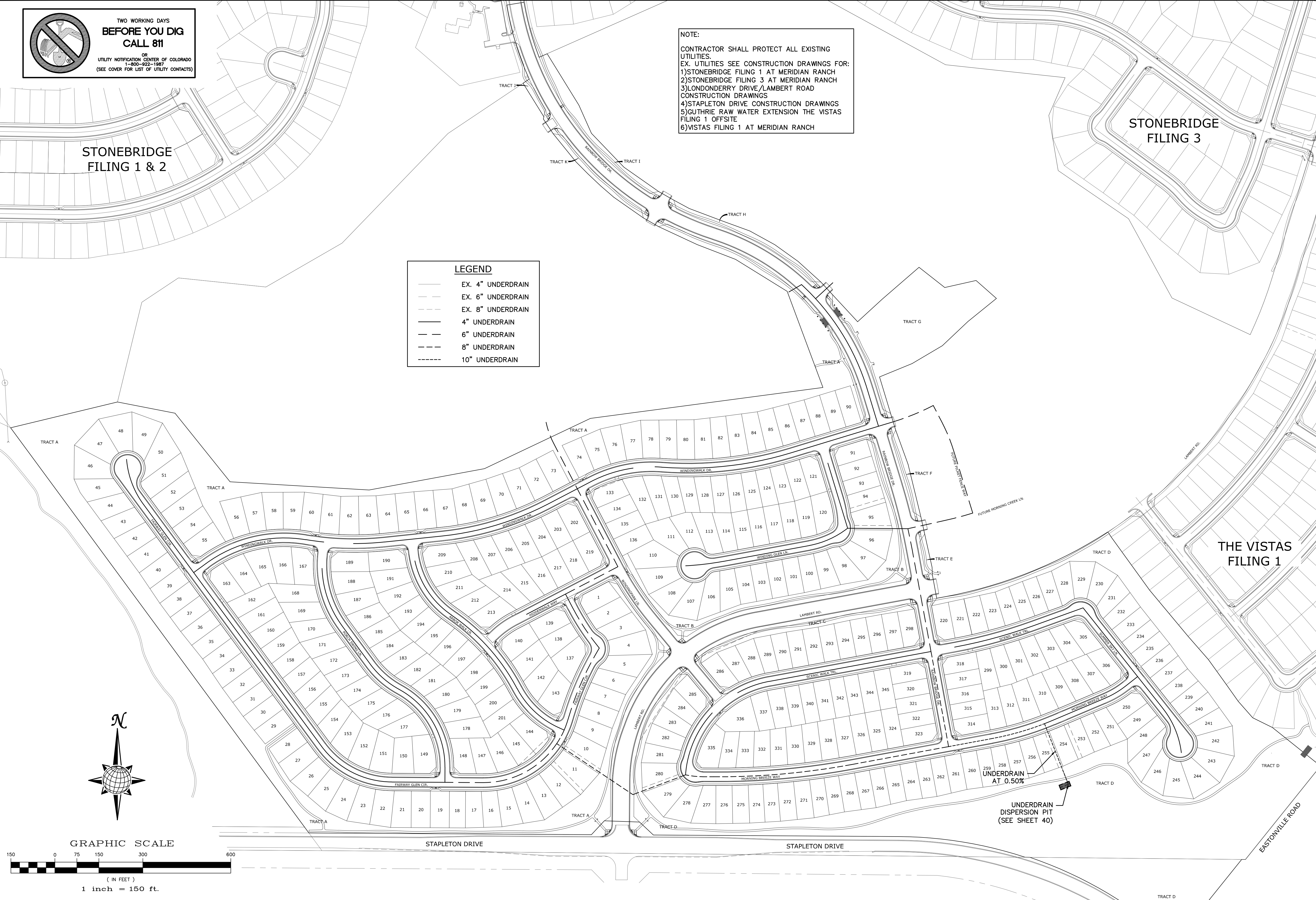
**LEGEND**

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

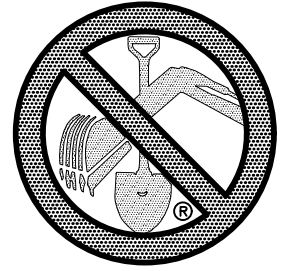
STONEBRIDGE FILING 1 & 2

STONEBRIDGE FILING 3

THE VISTAS FILING 1



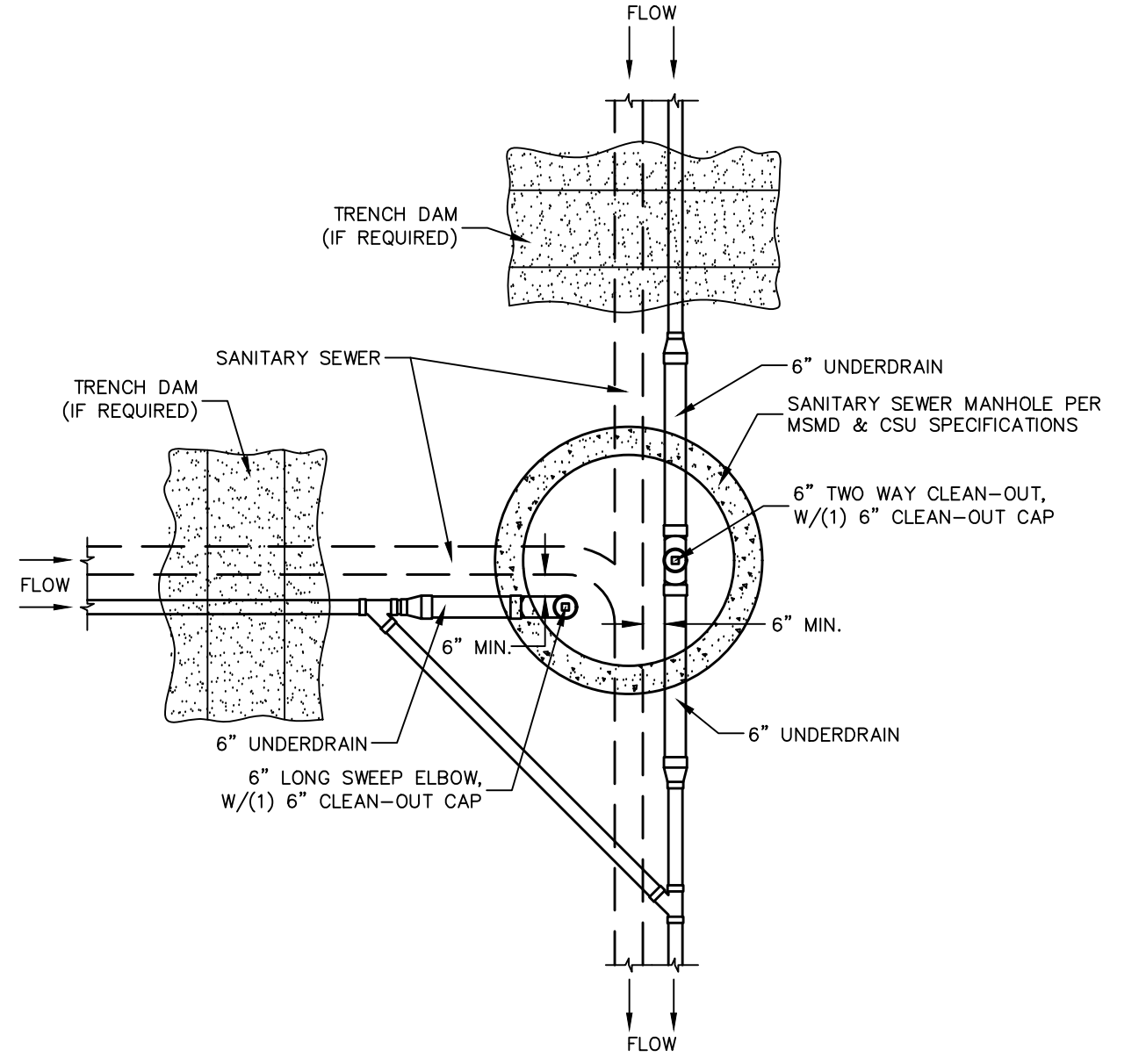
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		No.	Revisions	Date	Appr.
 <b>MERIDIAN RANCH</b>		WINDINGWALK F1 AT MERIDIAN RANCH			
		STREET AND UTILITY PLANS			
Scale AS SHOWN		38 of 55	Date MAY 2018		
Drawn by LOG		Checked by TAK	Date		
		OVERALL UNDERDRAIN			



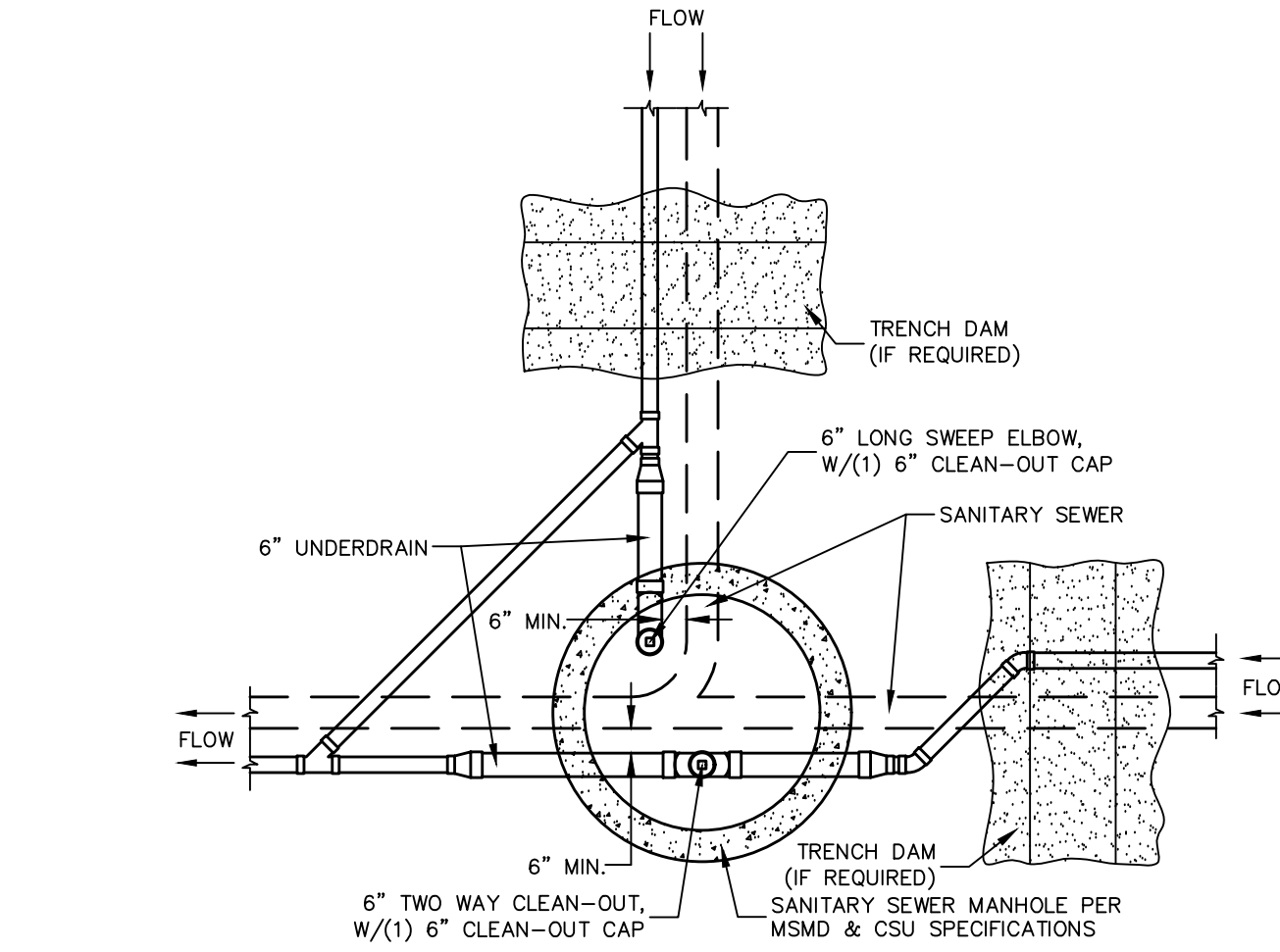
TWO WORKING DAYS  
**BEFORE YOU DIG  
CALL 811**  
OR  
UTILITY NOTIFICATION CENTER OF COLORADO  
1-800-922-1987  
(SEE COVER FOR LIST OF UTILITY CONTACTS)

**CLEAN-OUT DETAILS**

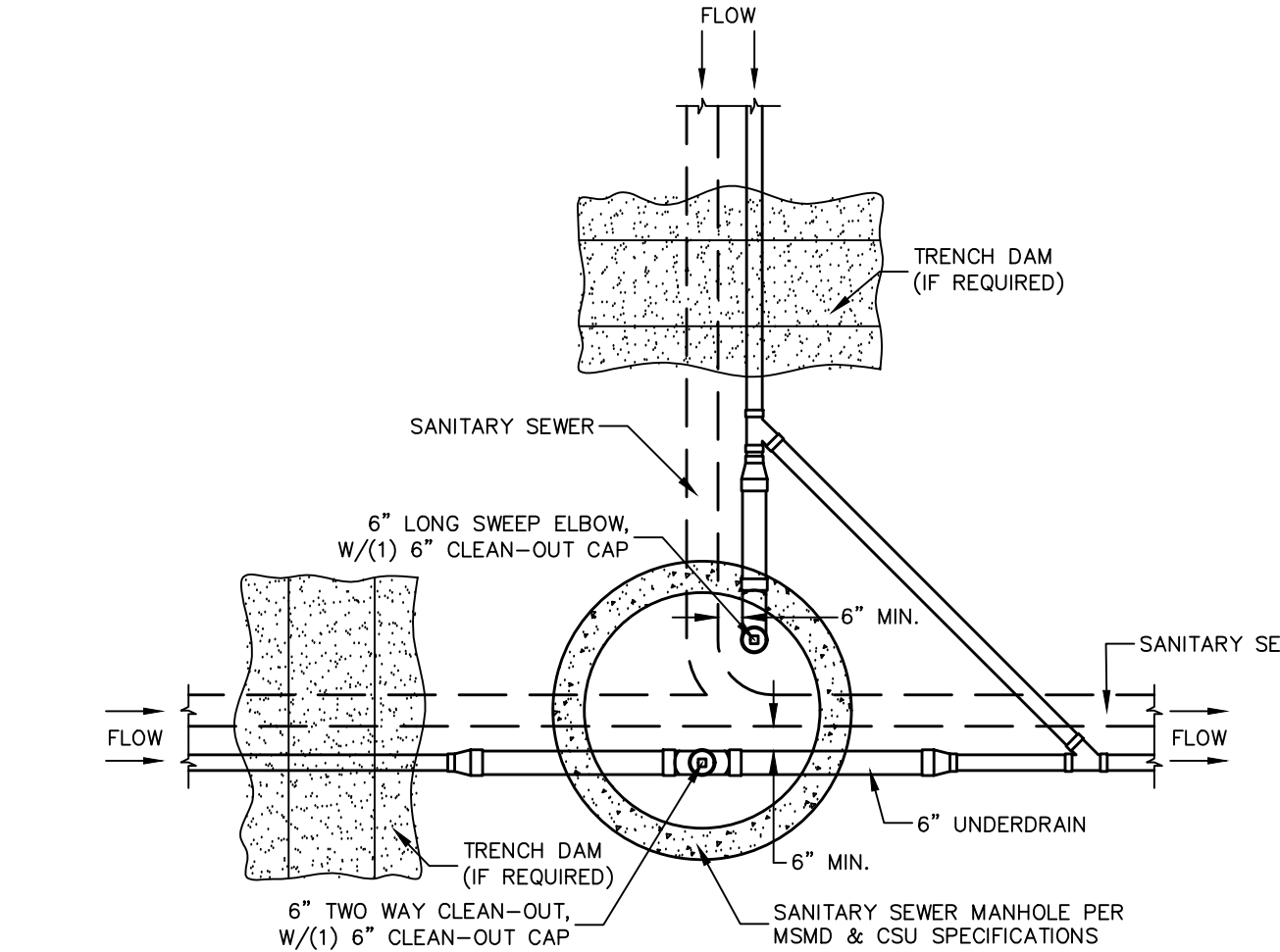
SCALE : N.T.S.



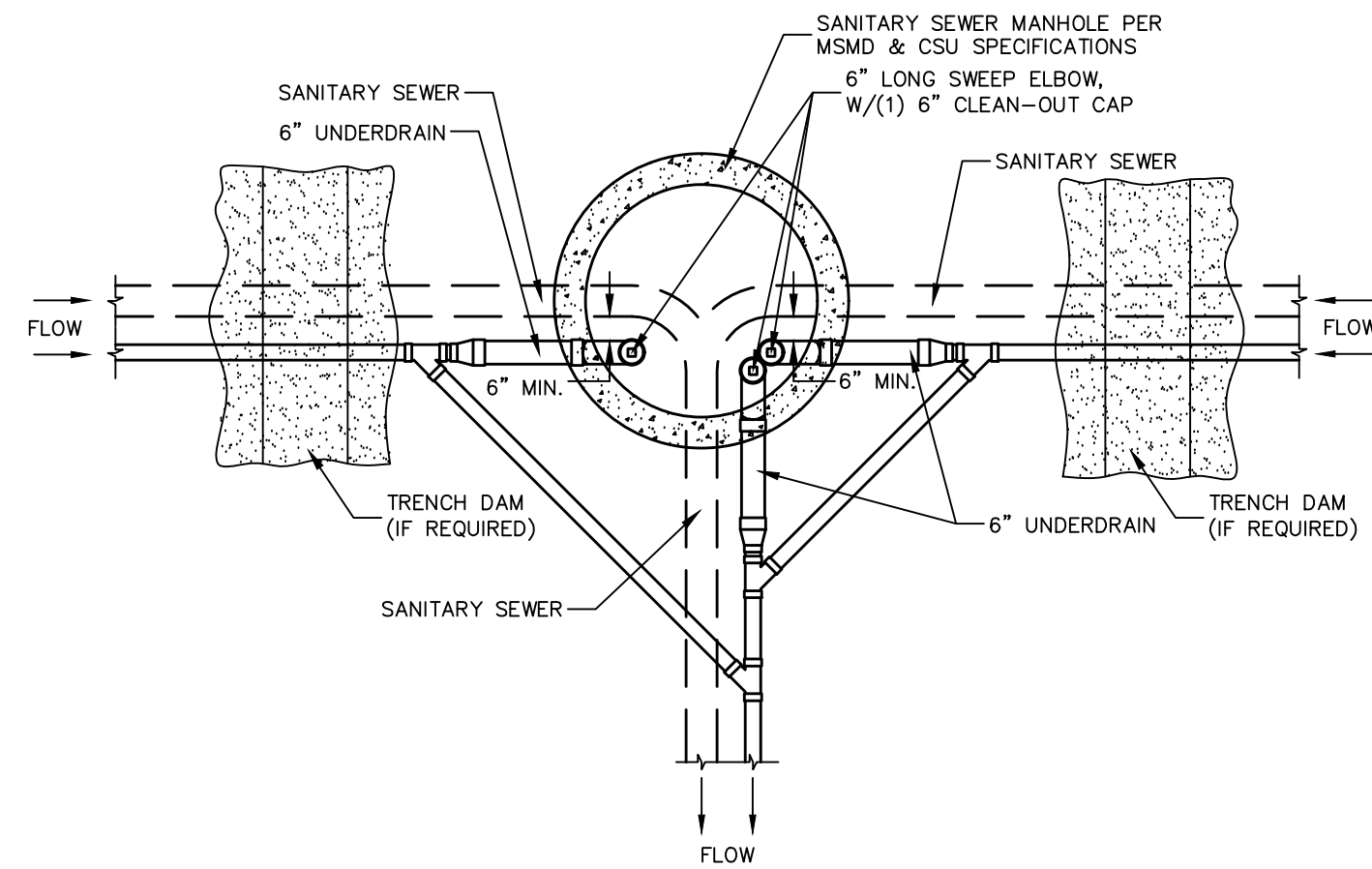
SSMH #31



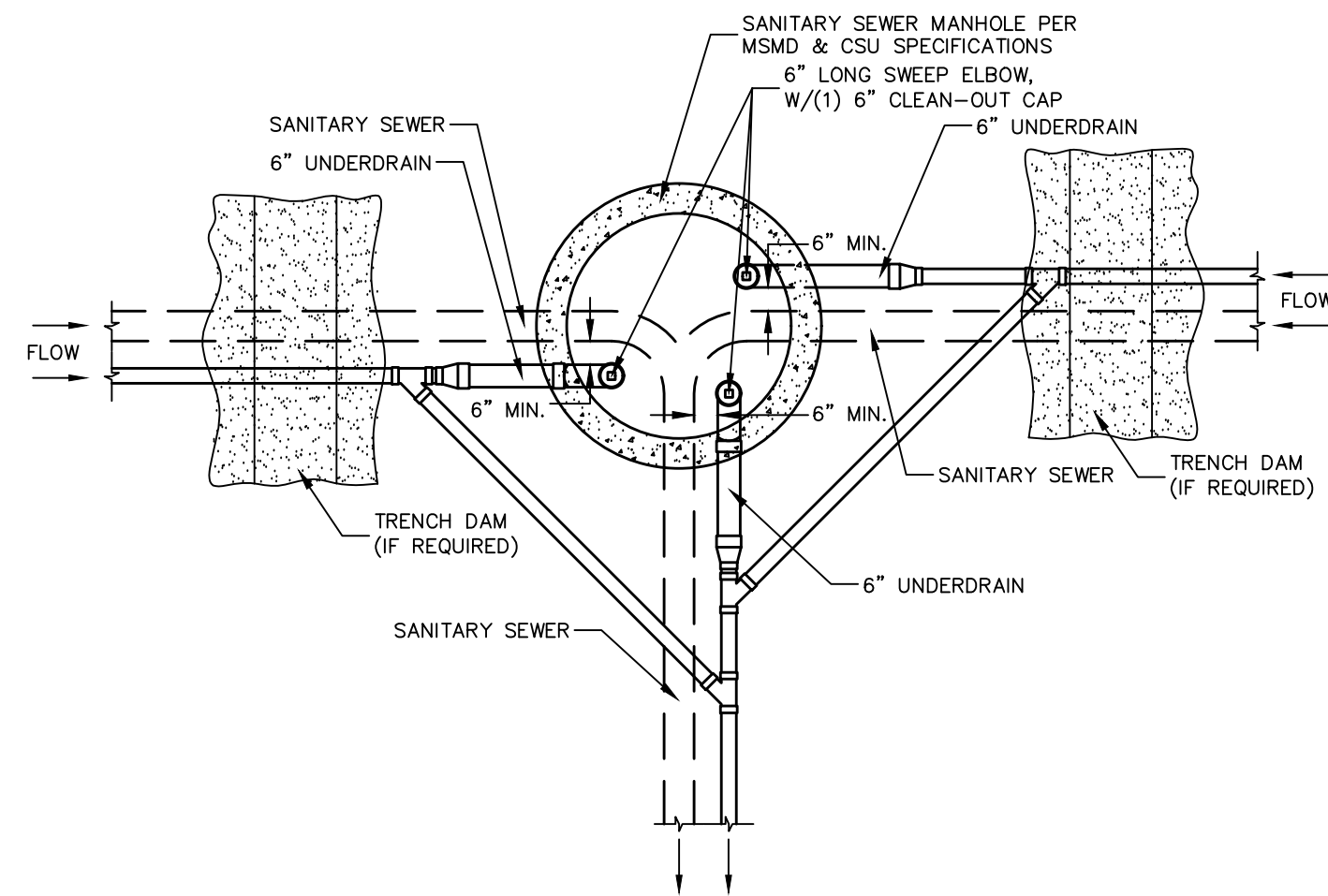
SSMH #18



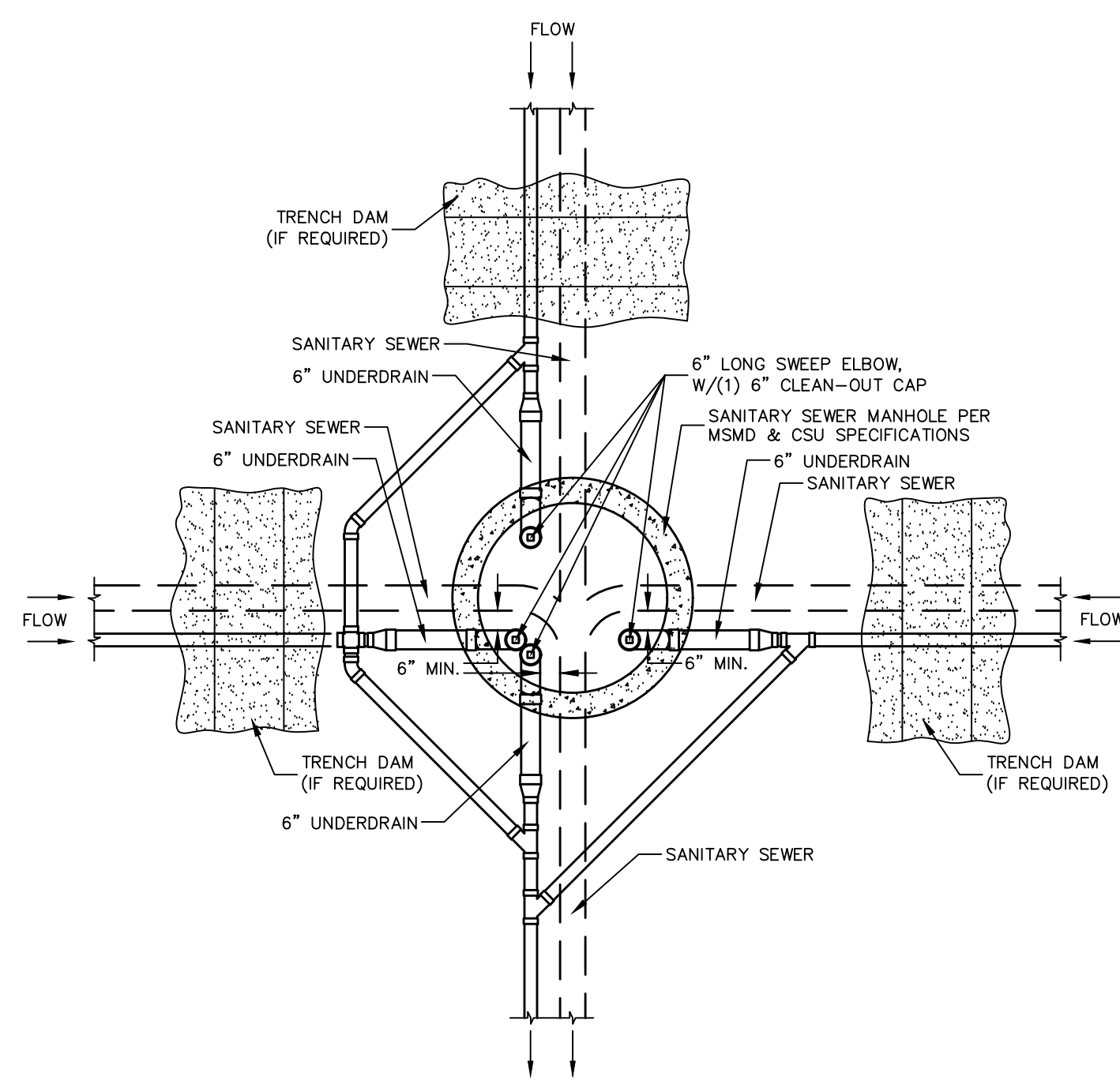
SSMH #5, #10, #13, #43



SSMH #45

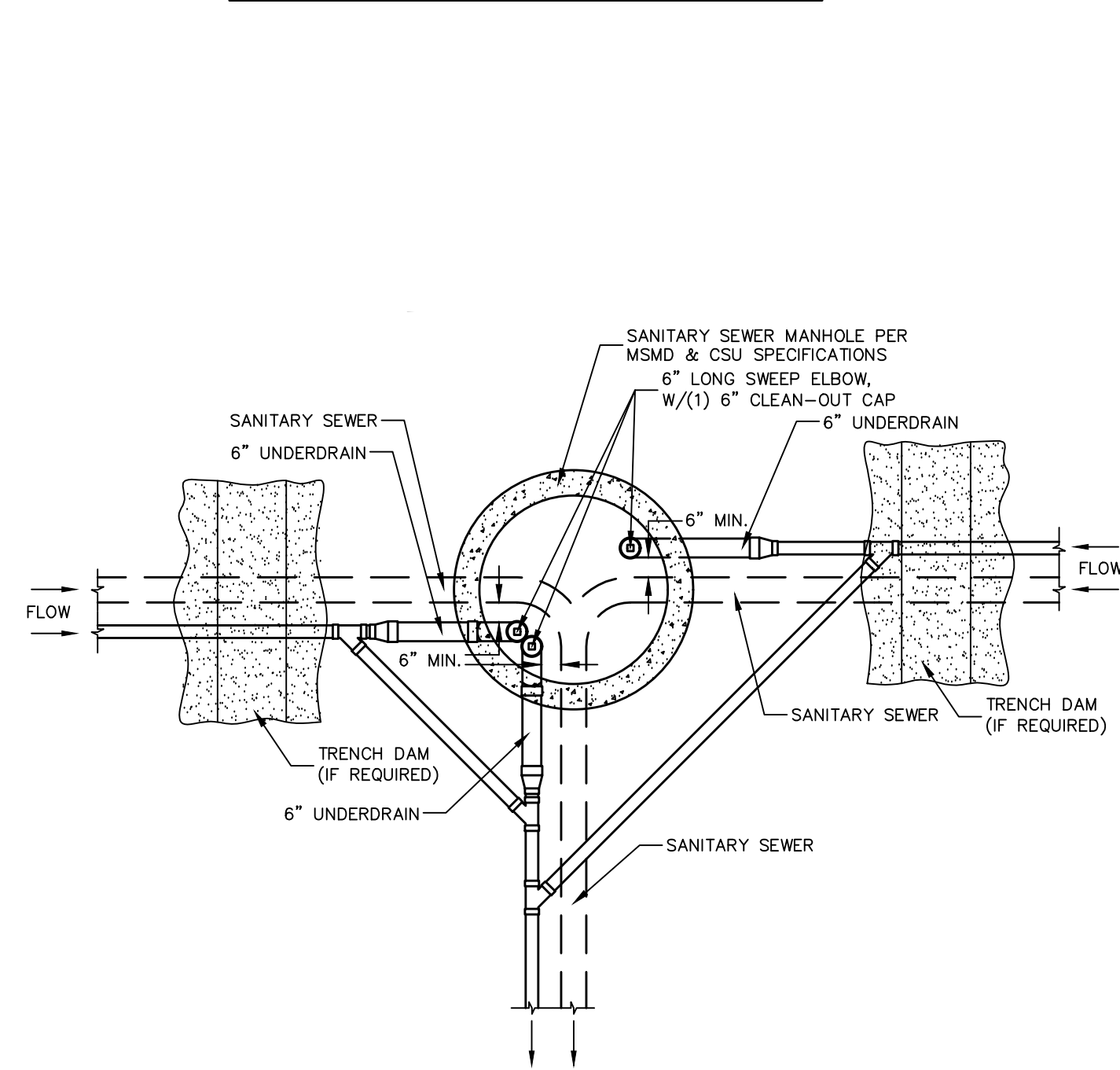


SSMH #32

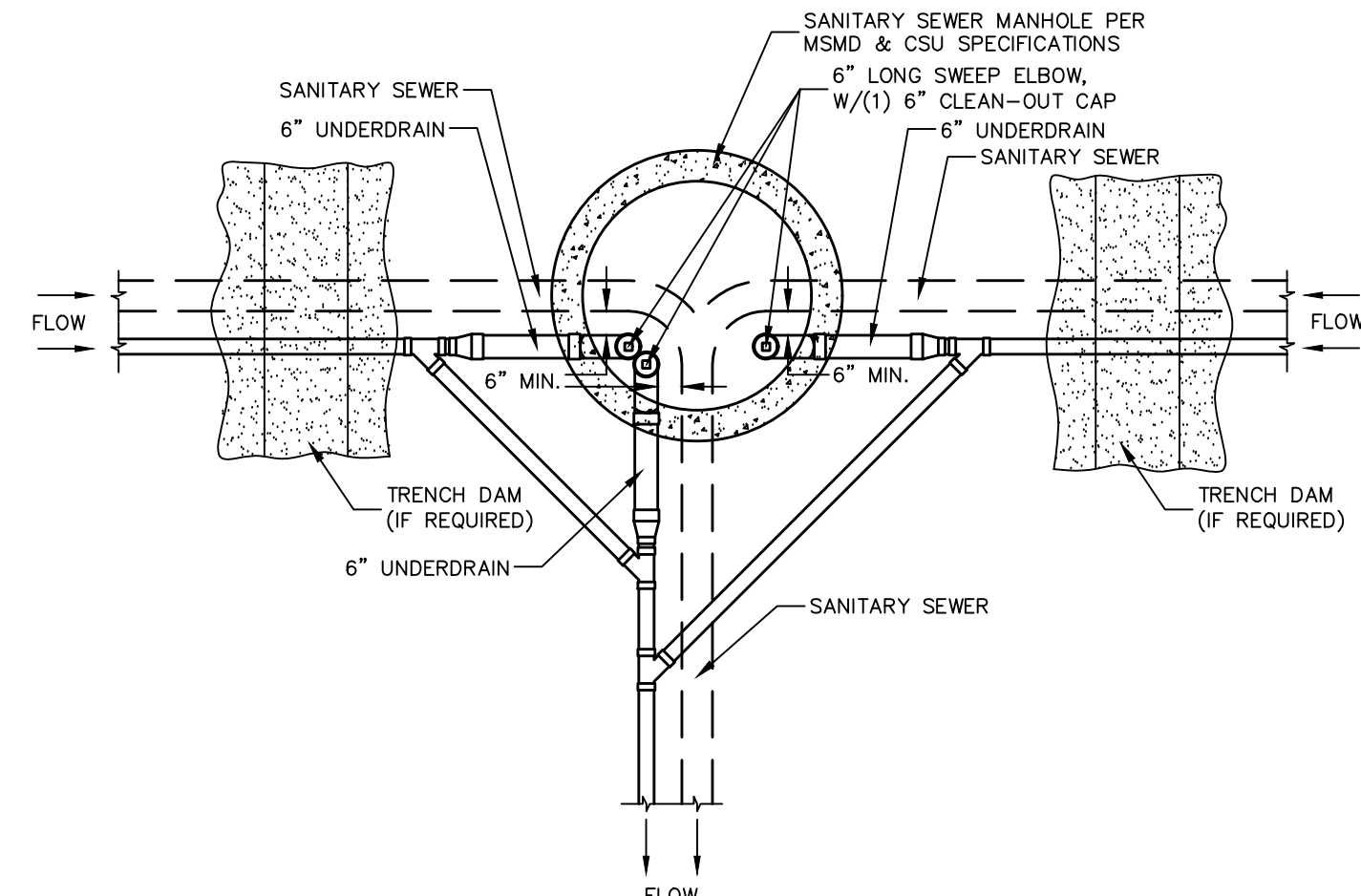


SSMH #26

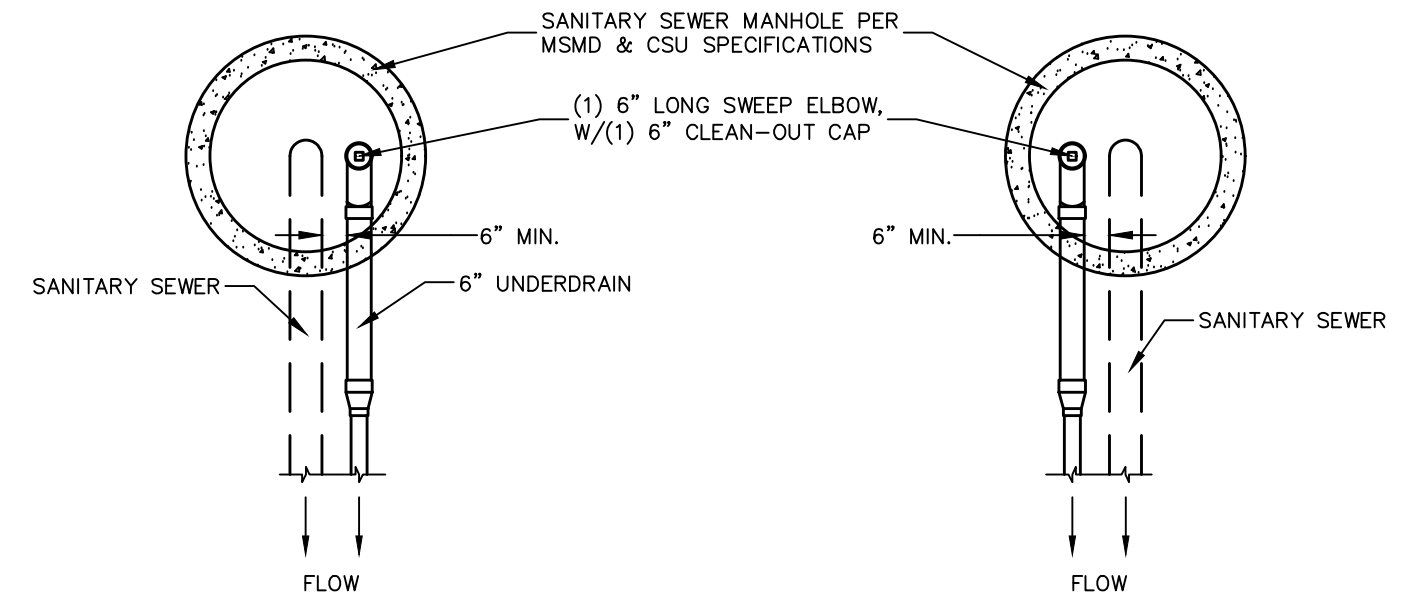
NOTE:  
SSMH #1, #2, & #3 DO NOT HAVE UNDERDRAIN.



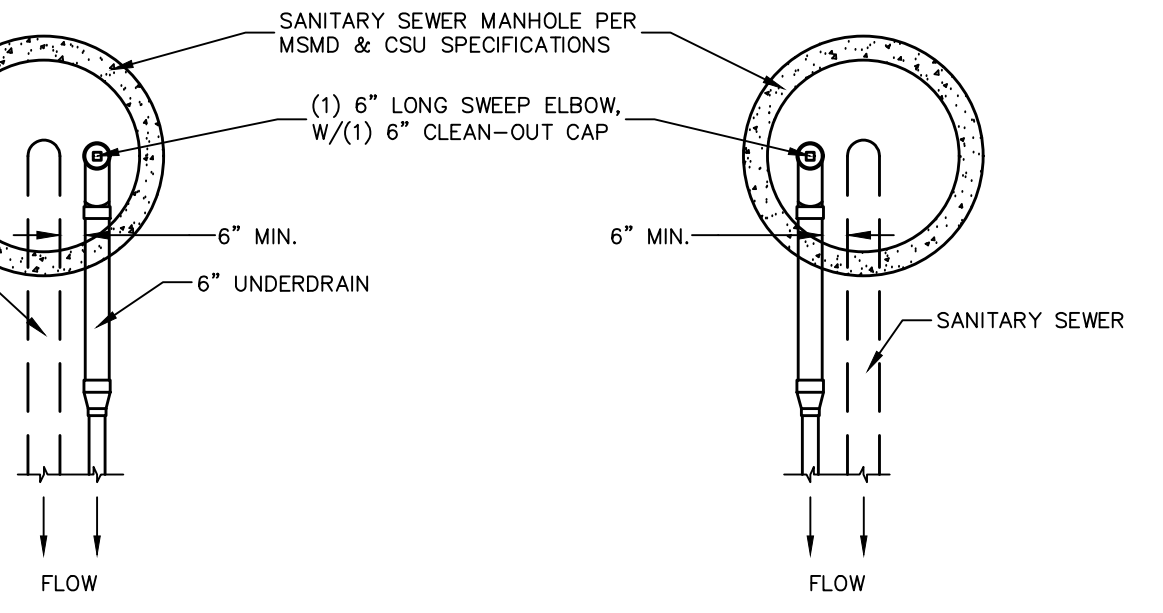
SSMH #23



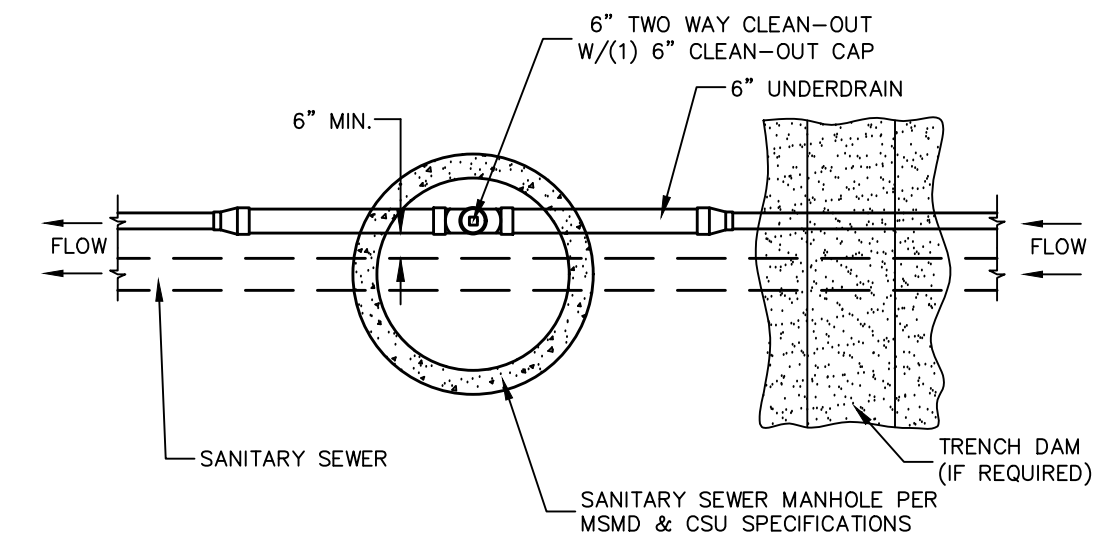
SSMH #4, #9, #38



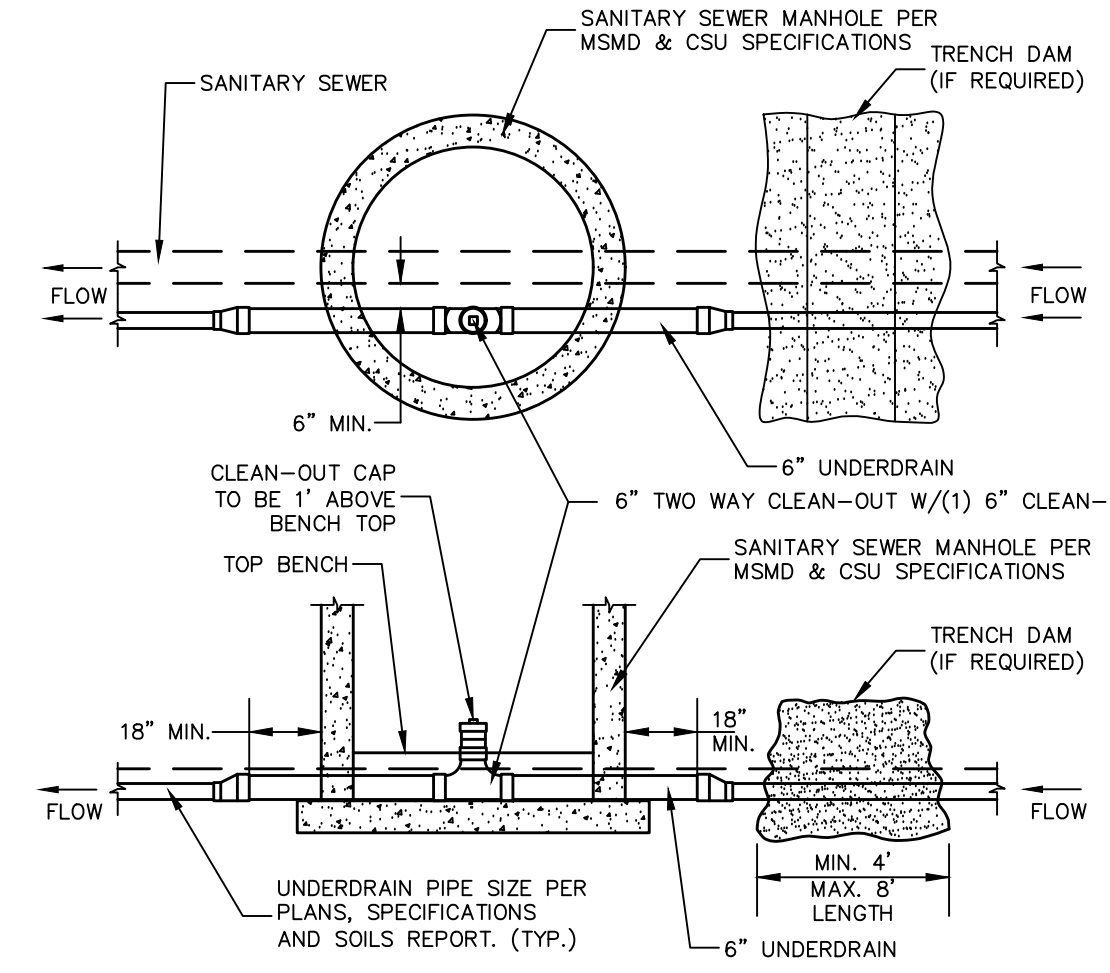
SSMH #15, #17,  
#29 #36,  
#46, & #51



SSMH #14, #21,  
#24, #28, #35,  
#42, #48, & #50



SSMH #6, #11, #12,  
#19, #20, #27, #30,  
#34, #40, #41, #49

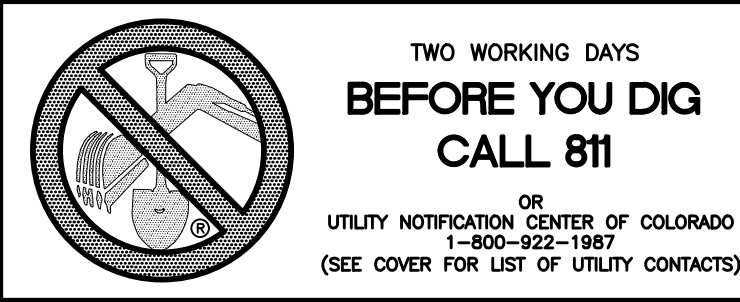


SSMH #16

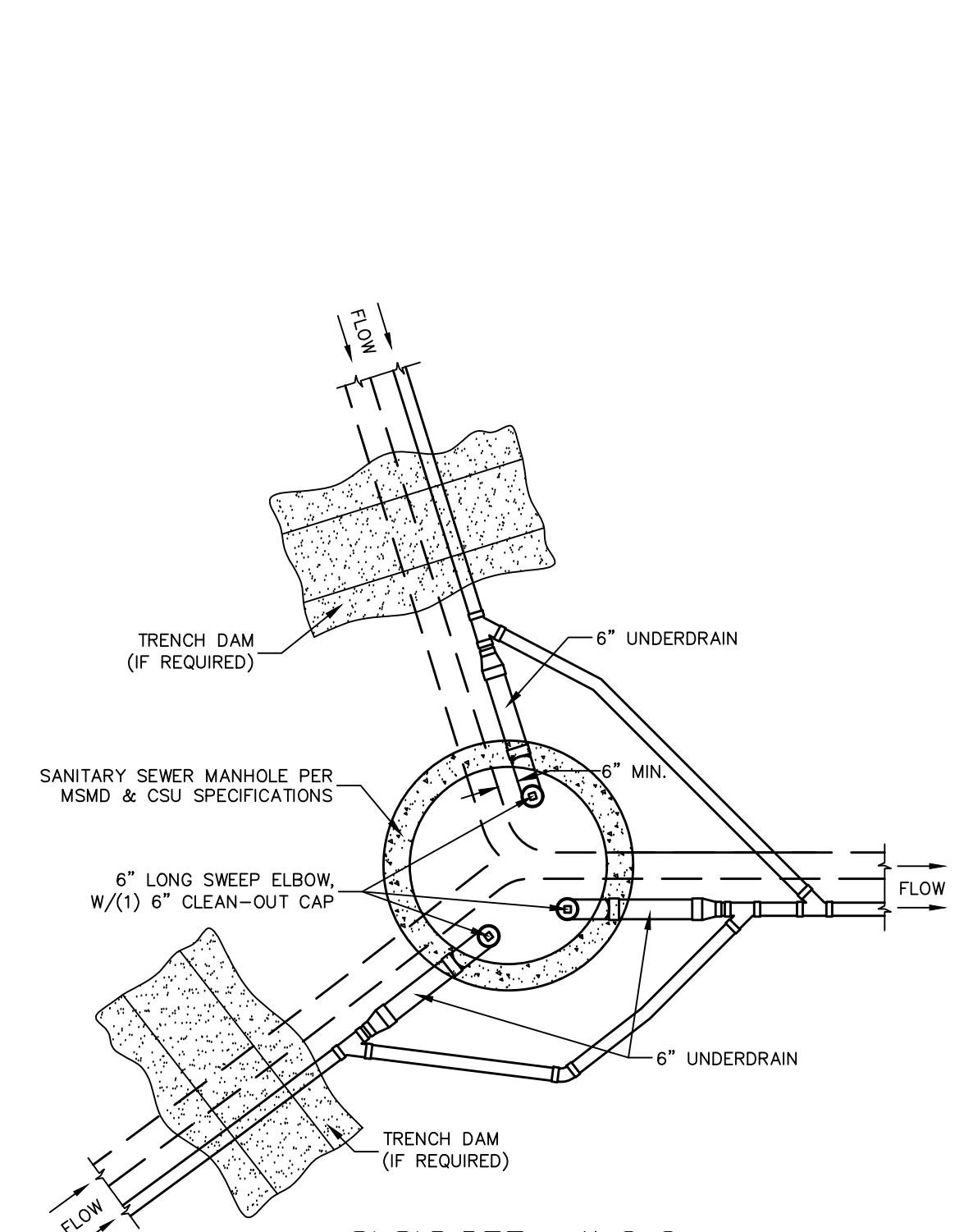
NOTES:

- 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.
- 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.
- IF THE UNDERDRAIN MAIN HAS LOW SPOTS THAT EXCEED CSUS STANDARDS, THE CONTRACTOR SHALL REPAIR THE LINE AS NECESSARY TO MEET CSUS. UNDERDRAIN MAINS THAT DO NOT MEET MSMD STANDARDS SHALL BE REPLACED AND OR REPAIRED AS NECESSARY. THE CONTRACTOR SHALL RE-CCTV INSPECT THE UNDERDRAIN MAIN LINES AFTER THE REPAIRS HAVE BEEN MADE WITH ONE VIDEO SUBMITTED TO MSMD FOR REVIEW AND APPROVAL.
- 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.
- UNDERDRAINS WILL DAYLIGHT AT LOCATIONS SHOWN ON THE DRAWINGS.
- 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.
- 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.
- TRENCH DAMS MAY BE CONSTRUCTED ON SITE MATERIALS IF APPROVED BY THE SOILS ENGINEER.
- 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.
- TRENCH DAMS SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR AROUND THE SEWER AND UNDERDRAIN PIPELINES.
- 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.

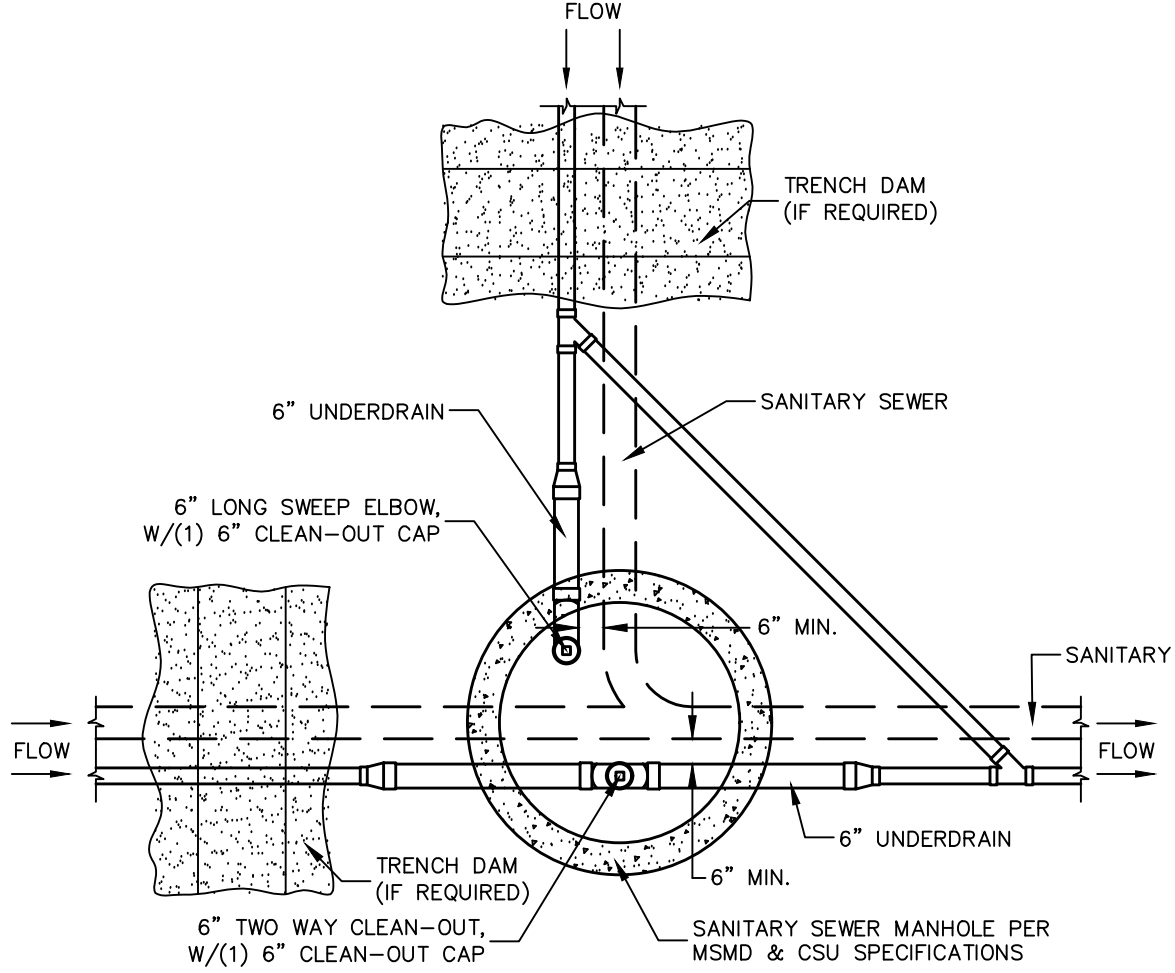
Drawn by	LOG	Checked by	TAK	Date
AS SHOWN		55		of 55
Scale	AS SHOWN	39	of 55	
<b>WINDINGWALK FI AT MERIDIAN RANCH</b> <b>STREET AND UTILITY PLANS</b> <b>UNDERDRAIN DETAILS</b>				
<b>TECH CONTRACTORS</b> <b>11886 STAPLETON DRIVE</b> <b>FALCON, CO 80831</b> TELEPHONE: 719.495.7444 FAX: 719.495.2457		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

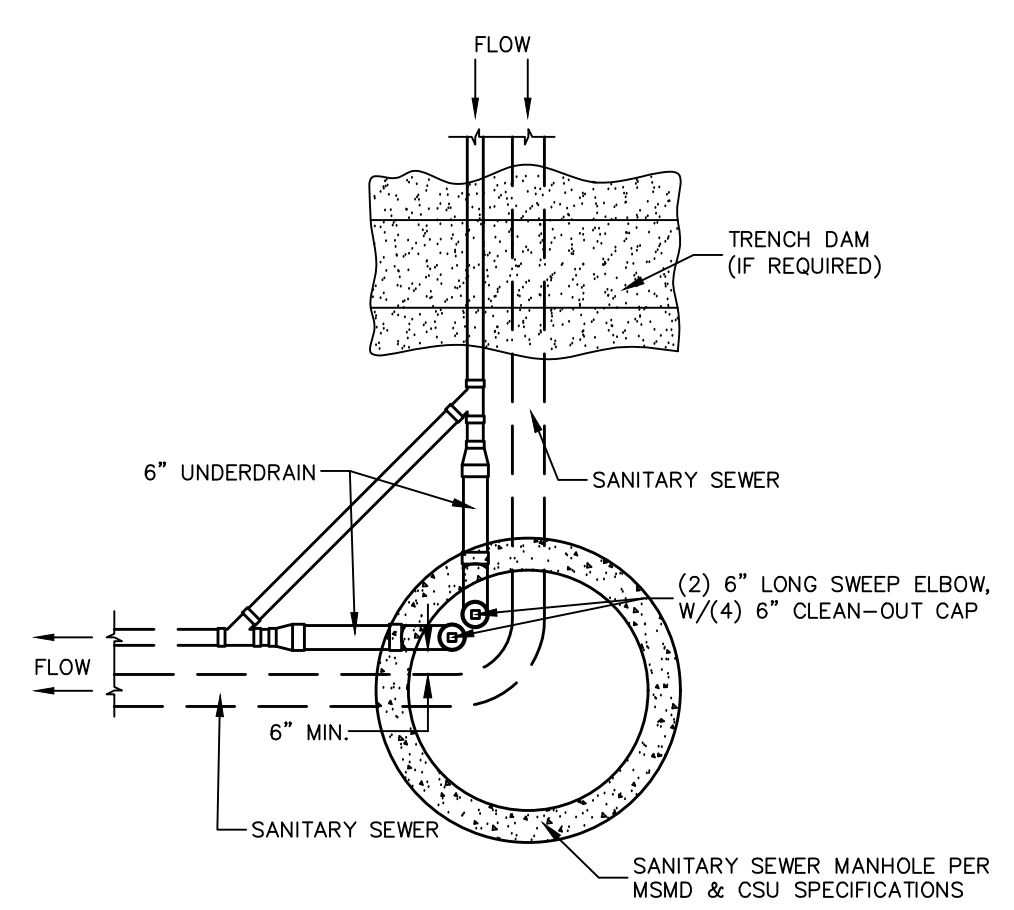


**SSMH #33**

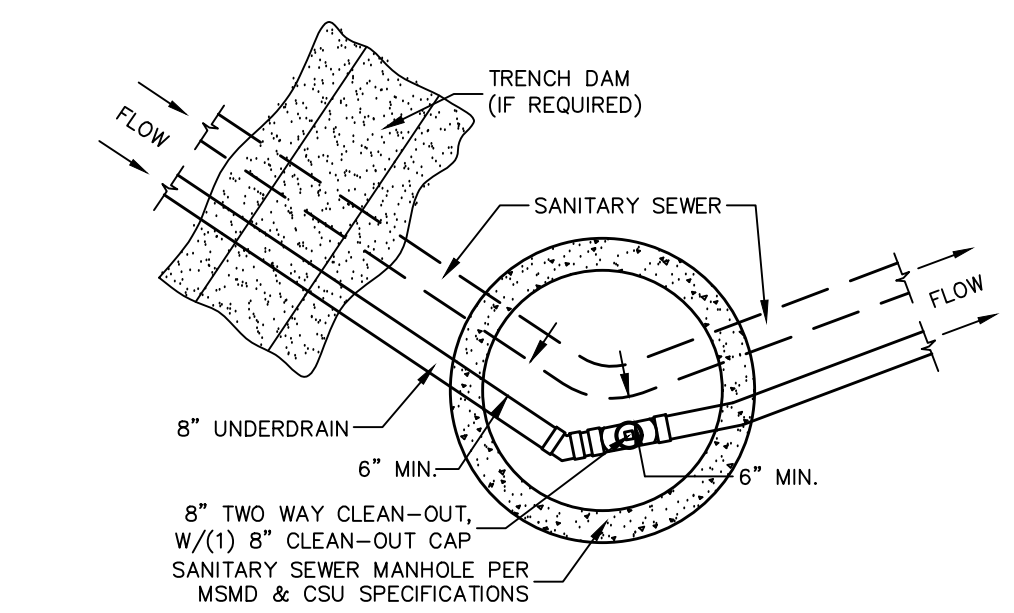


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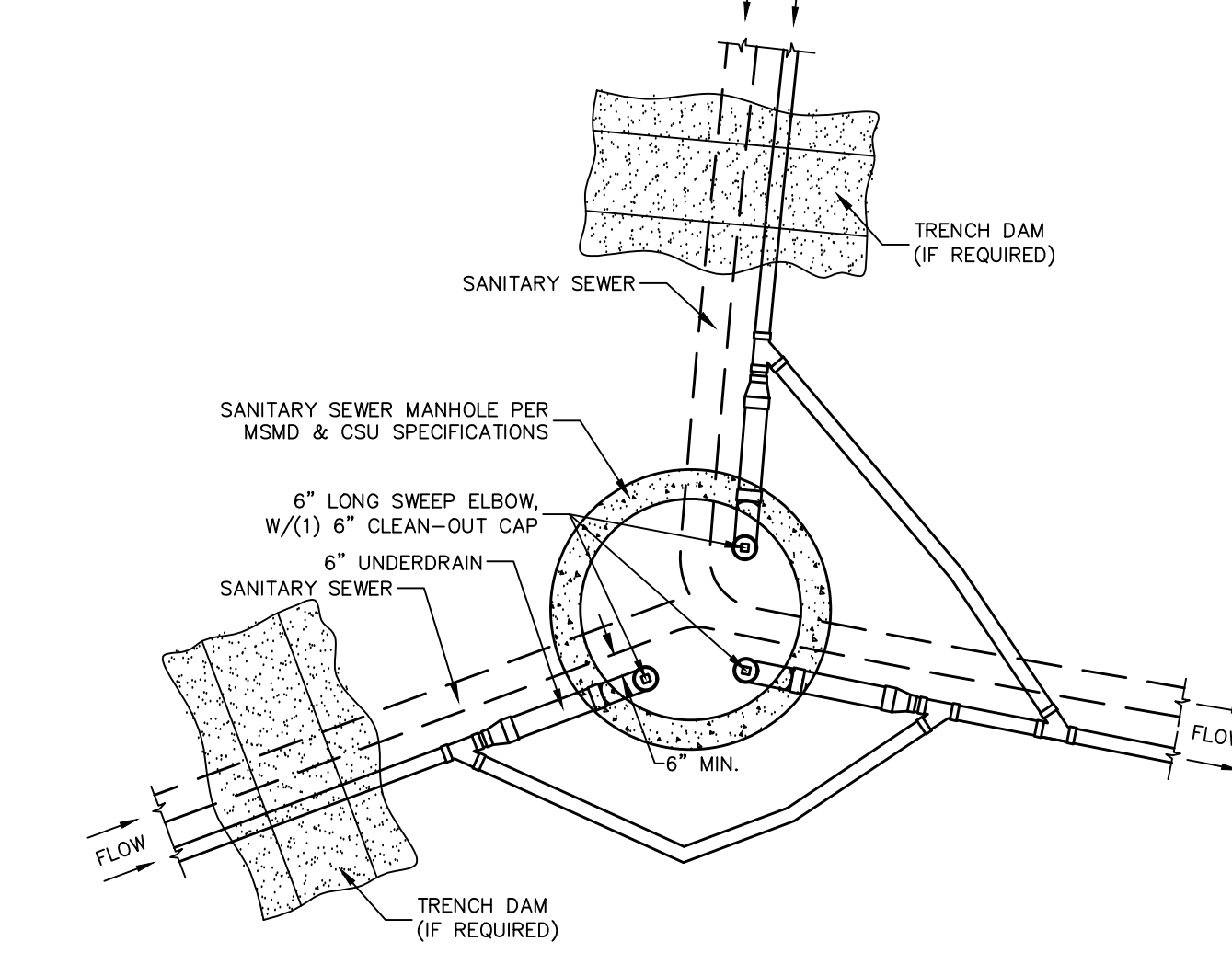
**CLEAN-OUT DETAILS**  
SCALE : N.T.S.



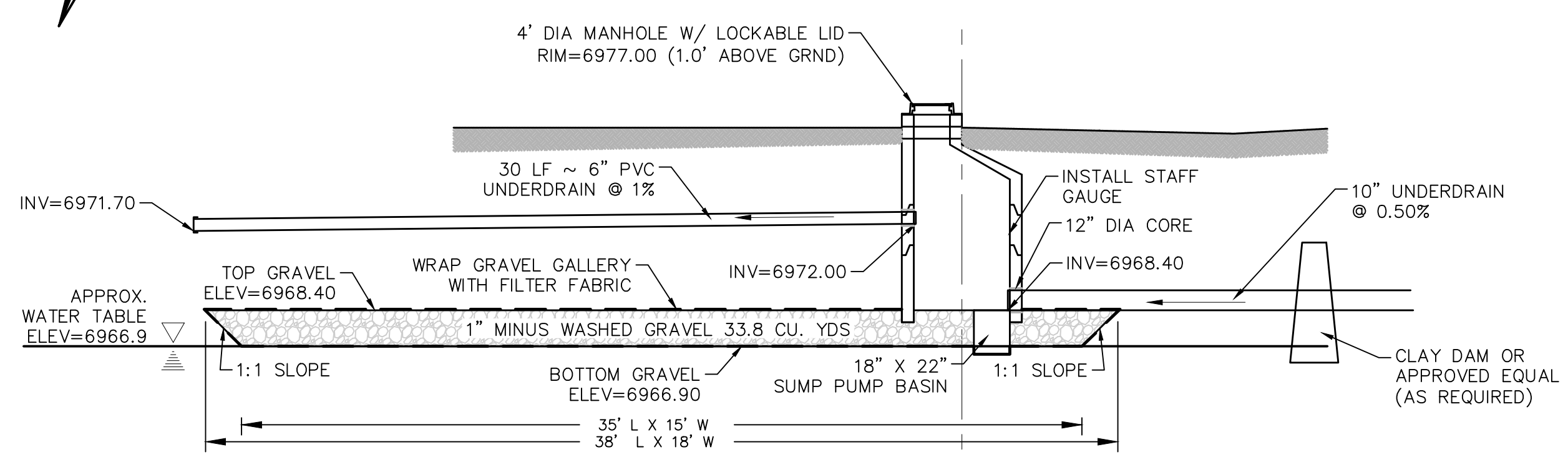
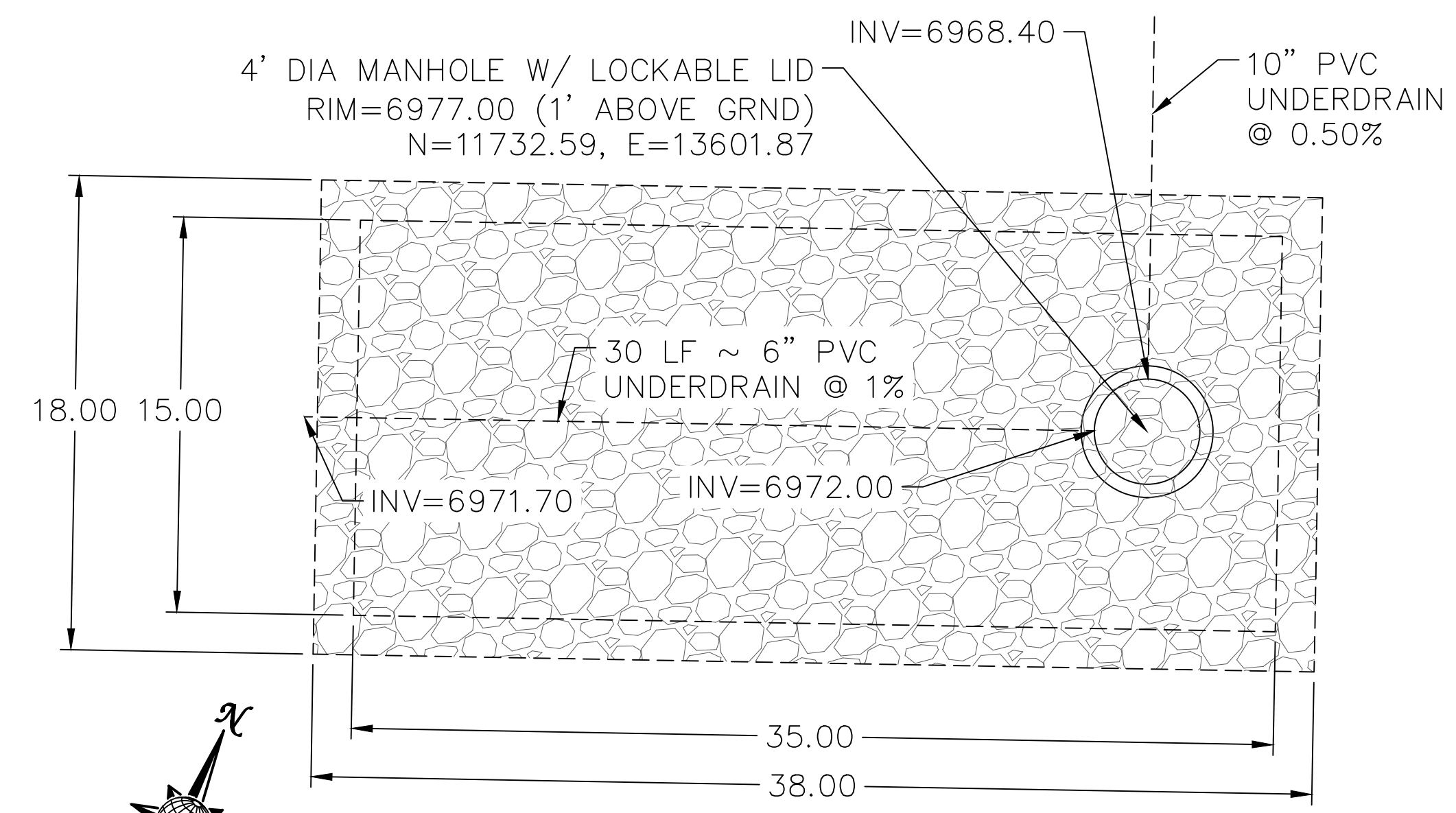
**SSMH #22, #25,  
#37, #44, #47**



**SSMH #8**



**SSMH #7**



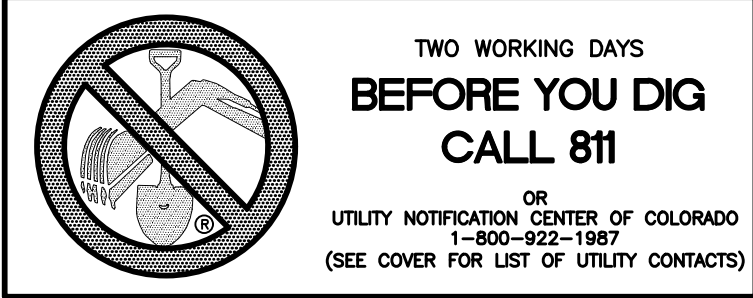
**DISPERSION PIT DETAIL**  
AREA 8, TOTAL OF 500-600 RESIDENTIAL HOMES  
SCALE : N.T.S.

**UNDERDRAIN DISPERSION PIT NOTES/SPECIFICATIONS**

1. UNDERDRAIN SHALL BE PVC SCHEDULE 35, PASSIVE AND DAYLIGHT AS SHOWN.
2. TRACER WIRE TO BE PLACED WITH SUBDRAIN INSTALLATION. USE 1/4 GA. UF.
3. GROUT ALL PIPE PENETRATIONS
4. INSTALL A CLAY DAM UPSTREAM OF THE DISPERSION PIT AS DIRECTED BY THE SOILS ENGINEER.
5. GRAVEL SHALL BE 1" MINUS WASHED GRAVEL WRAPPED ON ALL SIDES WITH MIRAFI N-SERIES NONWOVEN FILTER FABRIC OR APPROVED EQUAL.
6. IF GROUNDWATER IS ENCOUNTERED IN DISPERSION PIT STOP INSTALLATION AND CONTACT DISTRICT ENGINEER FOR POSSIBLE ALTERNATE DESIGN.
7. INSTALL 10' STAFF GAUGE INSIDE MANHOLE, WITH ZERO AT TOP OF GRAVEL. STAFF GAUGE "C", USA BLUEBOOK NOS. 27607, 27608, & 27609, OR APPROVED EQUAL. ATTACH TO SIDE OF MANHOLE PER MANUFACTURER'S SPECIFICATIONS.

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 UNDERDRAIN DETAILS	
No.	Revisions	Drawn by LOG	Checked by TAK	Date MAY 2018	
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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

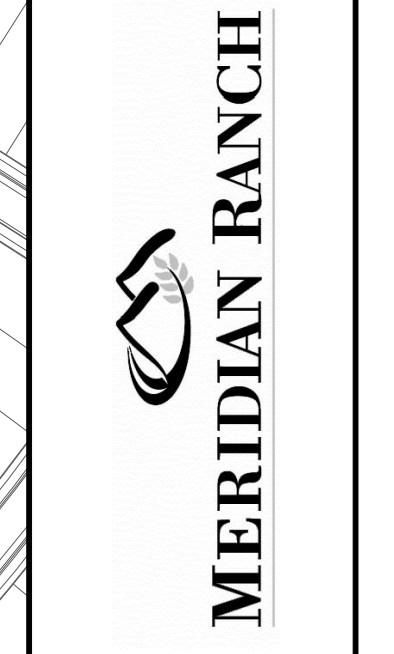
STONEBRIDGE FILING 3

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

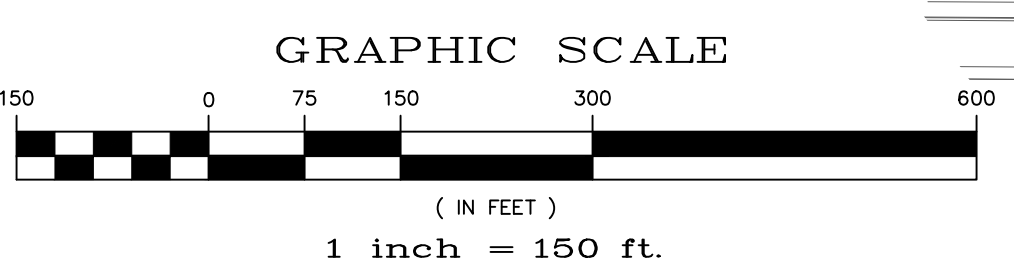
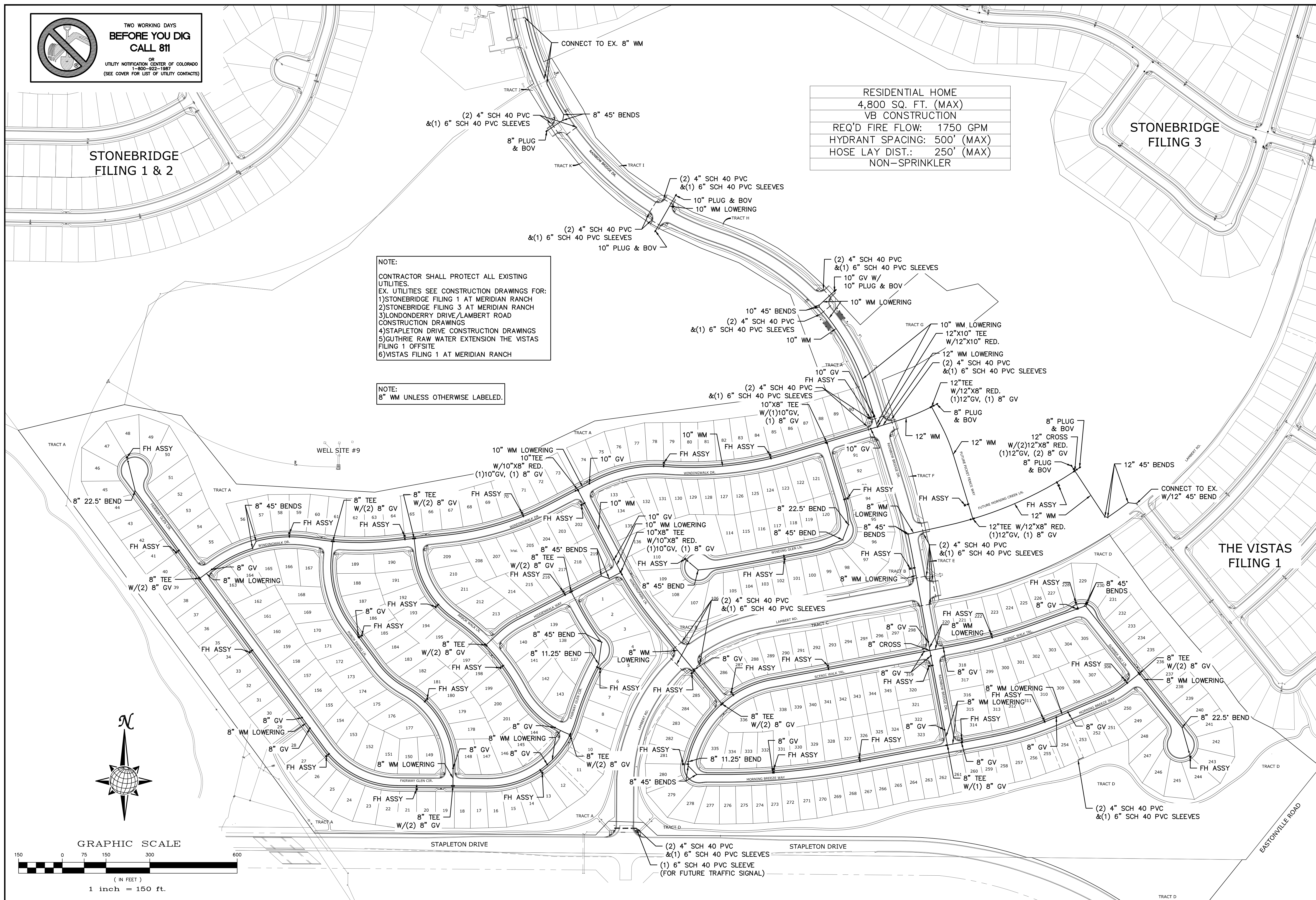
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11886 STAPLETON DRIVE  
FALCON, CO 80831  
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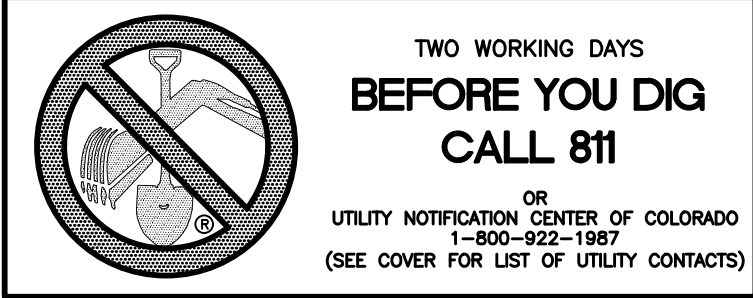


WINDINGWALK FI AT MERIDIAN RANCH  
STREET AND UTILITY PLANS  
OVERALL WATER

Drawn by LOG  
Checked by TAK  
Date MAY 2018

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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:  
3/4" WATER SERVICE UNLESS OTHERWISE LABELED.

WELL SITE #9

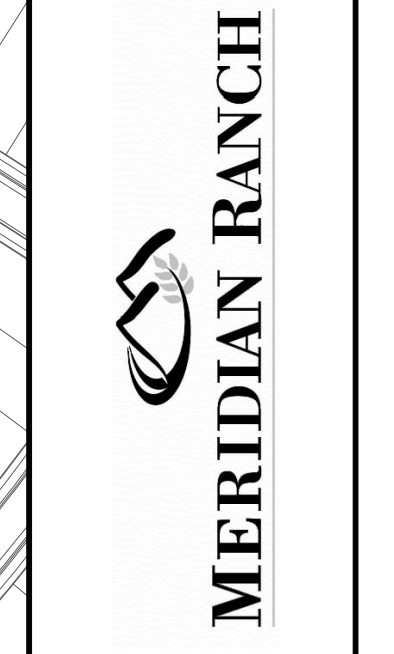
THE VISTAS FILING 1



GRAPHIC SCALE  
0 75 150 300 600  
( IN FEET )  
1 inch = 150 ft.

No.	Revisions	Date	Init.	Appr.	Date

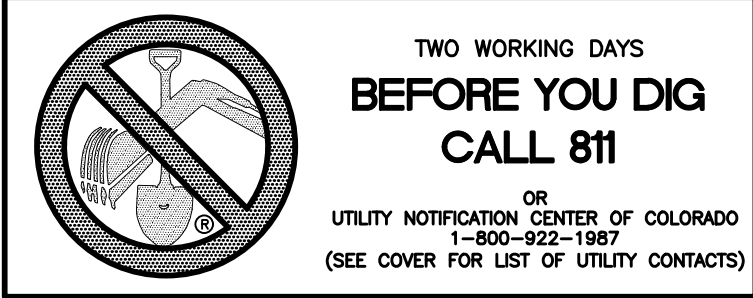
TECH CONTRACTORS  
11886 STAPLETON DRIVE  
FALCON, CO 80831  
TELEPHONE: 719.495.7444  
FAX: 719.495.2457



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

Scale	AS SHOWN
Drawn by	LOG
Checked by	TAK
Date	MAY 2008
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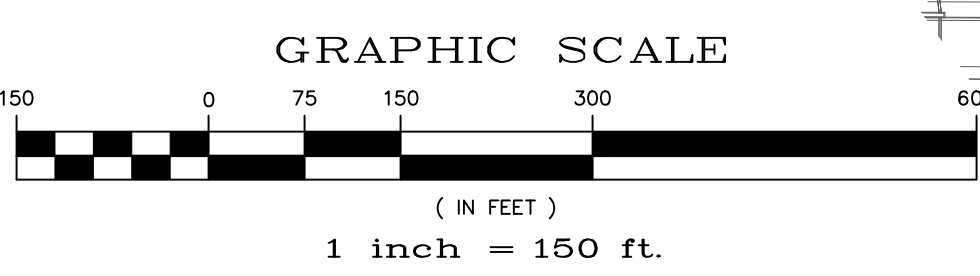
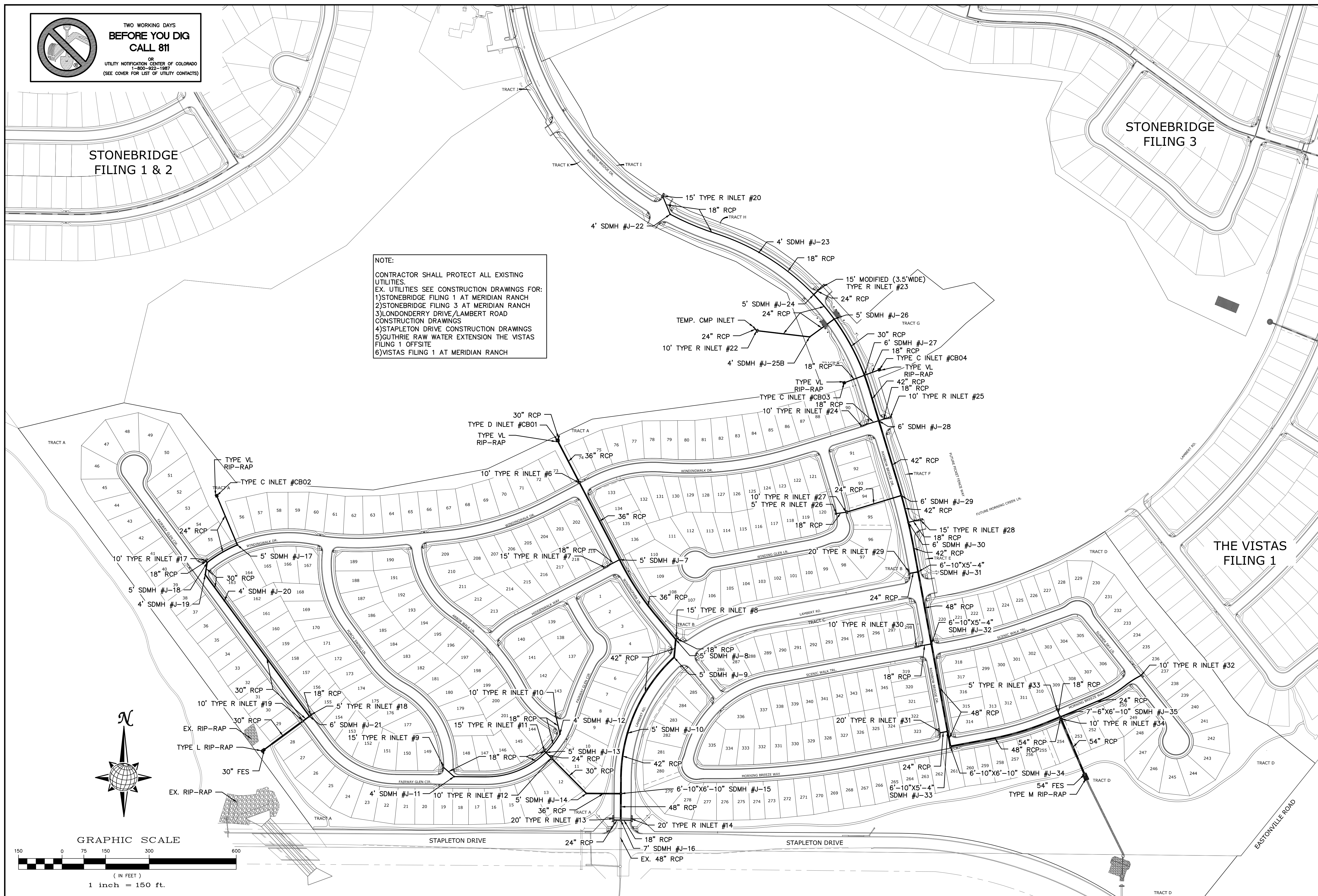




STONEBRIDGE FILING 1 & 2

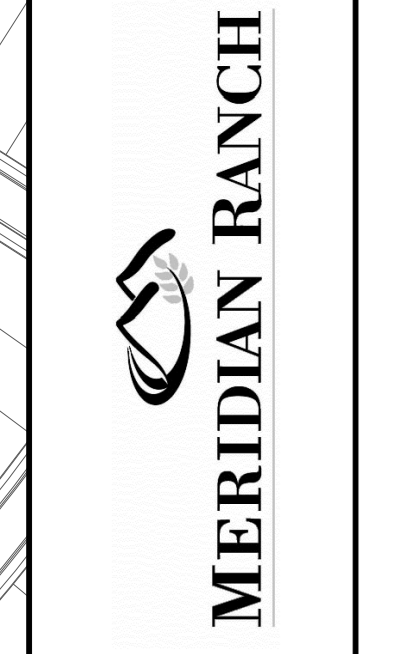
STONEBRIDGE FILING 3

NOTE:  
 CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.  
 EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:  
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 5)GUTHRIE RAW WATER EXTENSION THE VISTAS FILING 1 OFFSITE  
 6)VISTAS FILING 1 AT MERIDIAN RANCH



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 STORM DRAIN

Drawn by LOG  
 Checked by TAK  
 Date MAY 2018

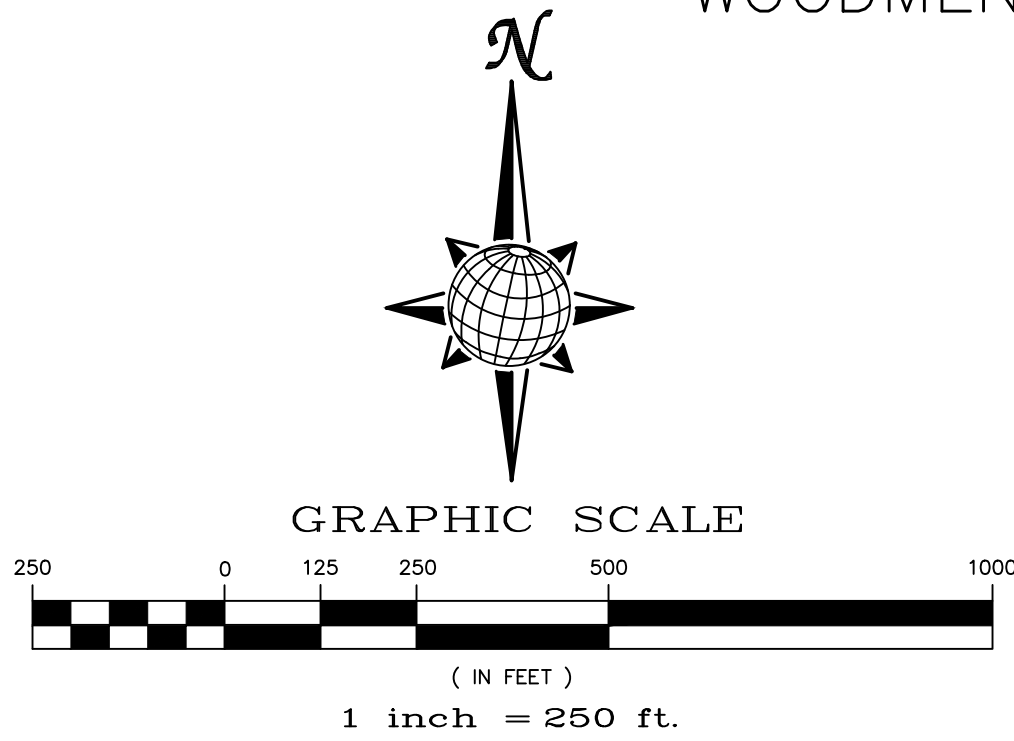
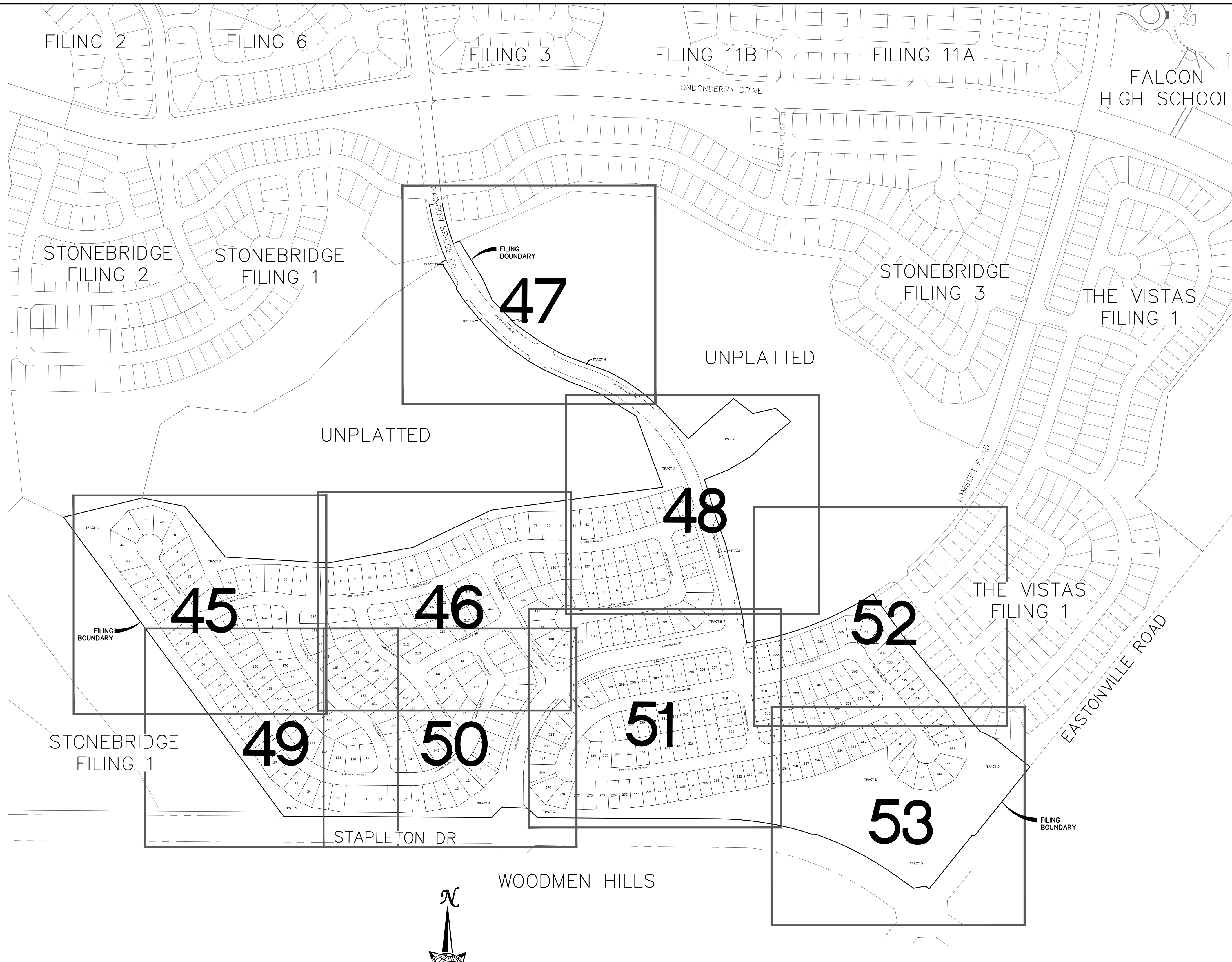
Scale AS SHOWN  
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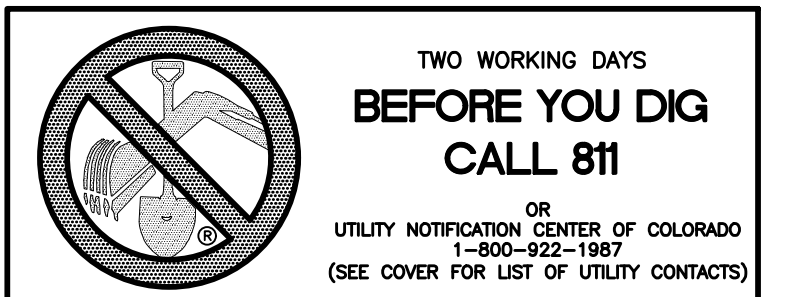
**GENERAL NOTES:**

- CONSTRUCTION MAY NOT COMMENCE UNTIL A CONSTRUCTION PERMIT IS OBTAINED FROM PLANNING AND COMMUNITY DEVELOPMENT (PCD) AND A PRECONSTRUCTION CONFERENCE IS HELD WITH PCD INSPECTIONS.
- STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
- NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS TO REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
- A SEPARATE STORMWATER MANAGEMENT PLAN (SWMP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. DURING CONSTRUCTION THE SWMP IS THE RESPONSIBILITY OF THE DESIGNATED STORMWATER MANAGER, SHALL BE LOCATED ON SITE AT ALL TIMES AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
- ONCE THE ESQCP HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL BMP'S AS INDICATED ON THE PLAN. A PRECONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, AND EL PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY PCD INSPECTIONS STAFF.
- SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN 21 CALENDAR DAYS AFTER FINAL GRADING, OR FINAL EARTH DISTURBANCE, HAS BEEN COMPLETED. DISTURBED AREAS AND STOCKPILES WHICH ARE NOT AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS SHALL ALSO BE MULCHED WITHIN 21 DAYS AFTER INTERIM GRADING. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAN 60 DAYS SHALL ALSO BE SEED. ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND BMP'S SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND ESTABLISHED.
- TEMPORARY SOIL EROSION CONTROL FACILITIES SHALL BE REMOVED AND EARTH DISTURBANCE AREAS GRADED AND STABILIZED WITH PERMANENT SOIL EROSION CONTROL MEASURES PURSUANT TO STANDARDS AND SPECIFICATION PRESCRIBED IN THE DCM VOLUME II AND THE ENGINEERING CRITERIA MANUAL (ECM) APPENDIX I.
- ALL PERSONS ENGAGED IN EARTH DISTURBANCE SHALL IMPLEMENT AND MAINTAIN ACCEPTABLE SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING BMP'S IN CONFORMANCE WITH THE EROSION CONTROL TECHNICAL STANDARDS OF THE DRAINAGE CRITERIA MANUAL (DCM) VOLUME II AND IN ACCORDANCE WITH THE STORMWATER MANAGEMENT PLAN (SWMP).
- ALL TEMPORARY EROSION CONTROL FACILITIES INCLUDING BMP'S AND ALL PERMANENT FACILITIES INTENDED TO CONTROL EROSION OF ANY EARTH DISTURBANCE OPERATIONS, SHALL BE INSTALLED AS DEFINED IN THE APPROVED PLANS, THE SWMP AND THE DCM VOLUME II AND MAINTAINED THROUGHOUT THE DURATION OF THE EARTH DISTURBANCE OPERATION.
- ANY EARTH DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY REDUCE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME.
- ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE DESIGNED TO LIMIT THE DISCHARGE TO A NON-EROSIVE VELOCITY.
- CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO RUNOFF TO STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
- EROSION CONTROL BLANKETING IS TO BE USED ON SLOPES STEEPER THAN 3:1.
- BUILDING, CONSTRUCTION, EXCAVATION, OR OTHER WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. BMP'S MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
- VEHICLE TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, AND SAND THAT MAY ACCUMULATE IN THE STORM SEWER OR OTHER DRAINAGE CONVEYANCE SYSTEM AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
- THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.
- NO CHEMICALS ARE TO BE USED BY THE CONTRACTOR, WHICH HAVE THE POTENTIAL TO BE RELEASED IN STORMWATER UNLESS PERMISSION FOR THE USE OF A SPECIFIC CHEMICAL IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING THE USE OF SUCH CHEMICALS, SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
- BULK STORAGE STRUCTURES FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS SHALL HAVE ADEQUATE PROTECTION SO AS TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
- NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE FLOW LINE OF THE CURB AND GUTTER OR IN THE DITCHLINE.
- INDIVIDUALS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS INCLUDED IN THE DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, OR COUNTY AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- PRIOR TO ACTUAL CONSTRUCTION THE PERMITEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
- A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
- THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY ENTECH ENGINEERING, INC. MARCH 14, 2018 AND SHALL BE CONSIDERED A PART OF THESE PLANS.
- AT LEAST TEN DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB 1 ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN (SWMP), OF WHICH THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

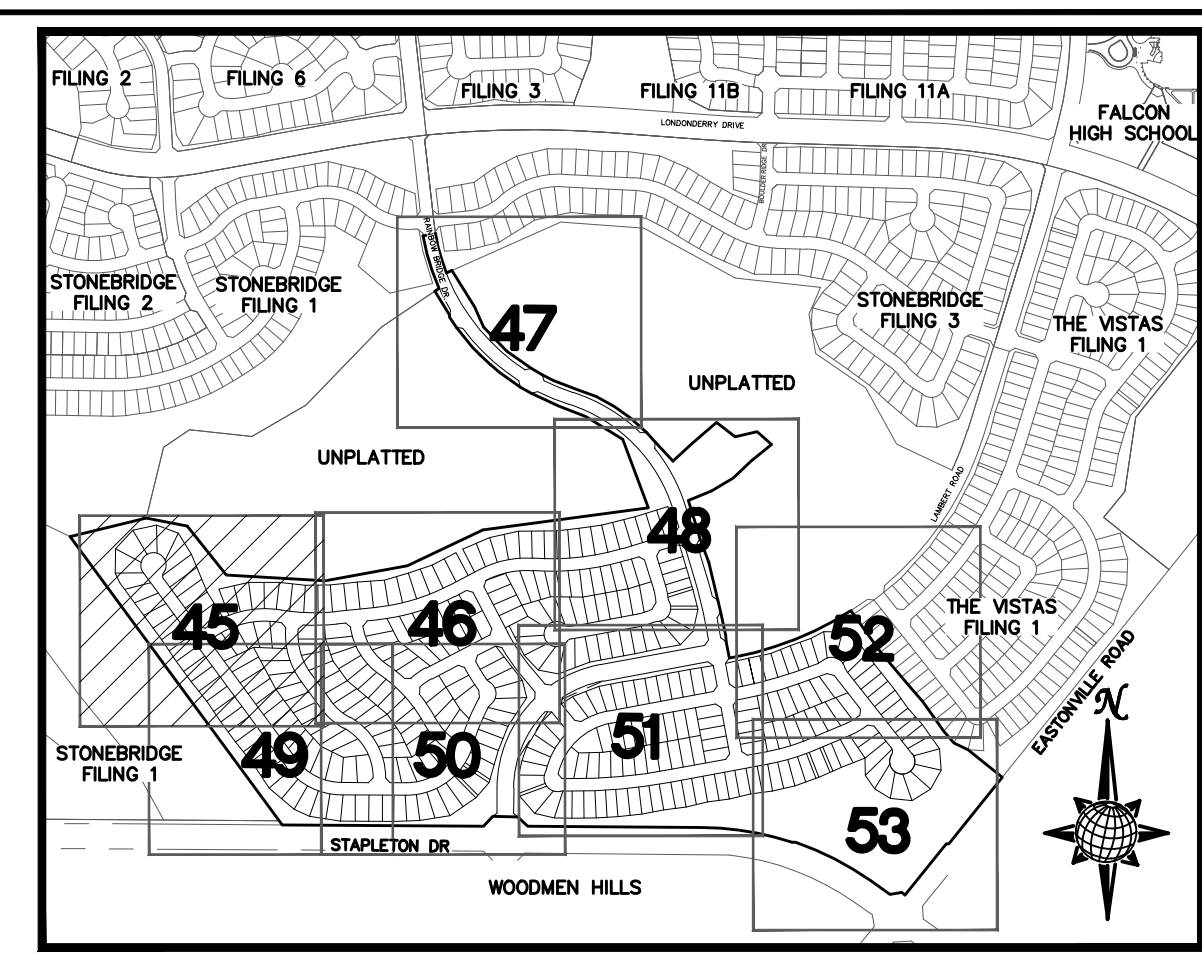
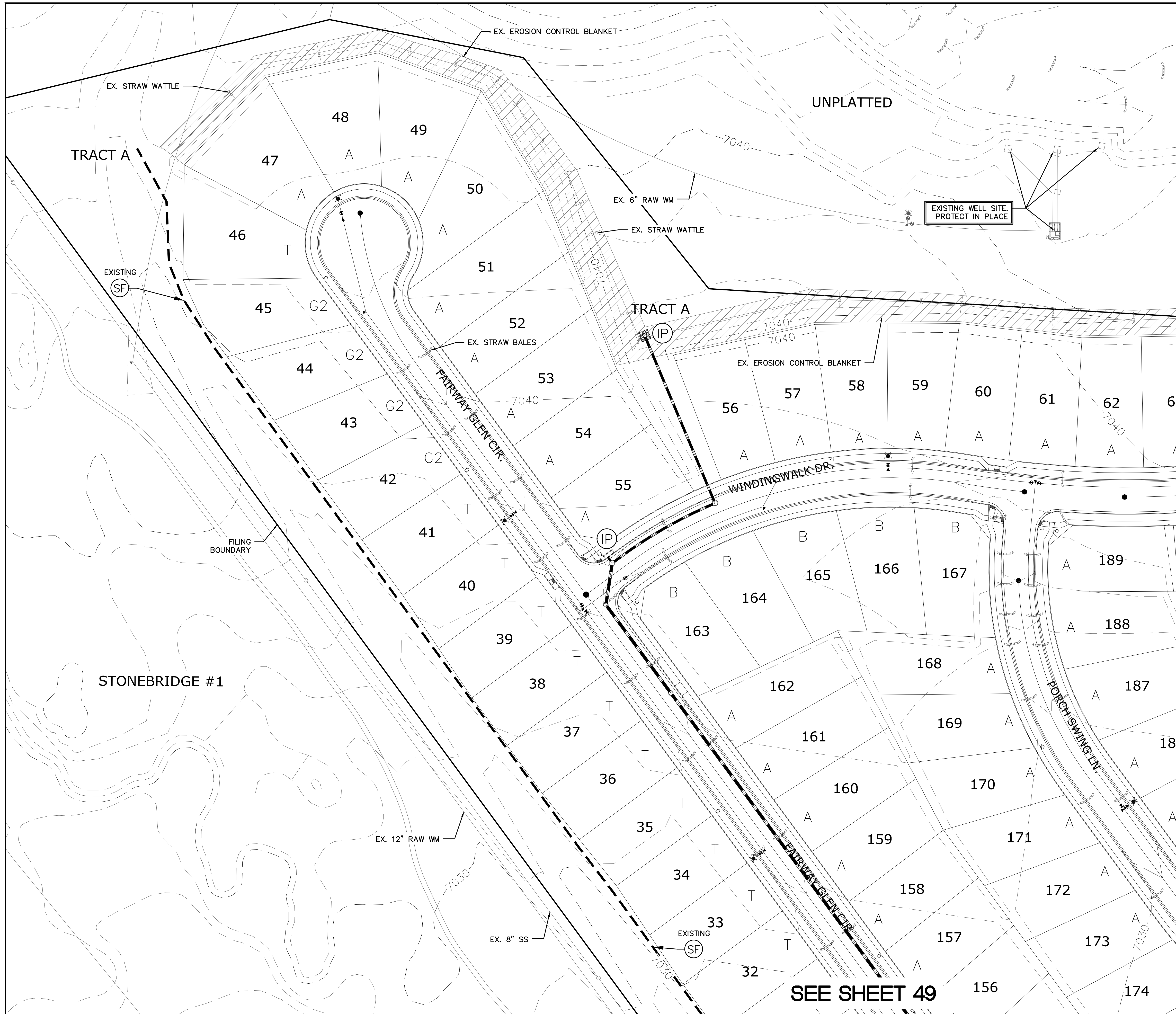
COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT  
WATER QUALITY CONTROL DIVISION  
WQCD - PERMITS  
4300 CHERRY CREEK DRIVE SOUTH  
DENVER, CO 80246-1530  
ATTN: PERMITS UNIT



EARTHWORK QUANTITIES		
NET YARDS	BALANCE	
TOTAL STRIPPINGS	0.45 AC.	241 CY
NET YARDS	CUT	FILL
	2,815 CY	2,815 CY
20% COMPACTION FACTOR		



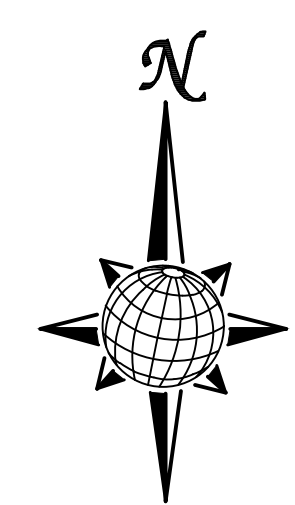
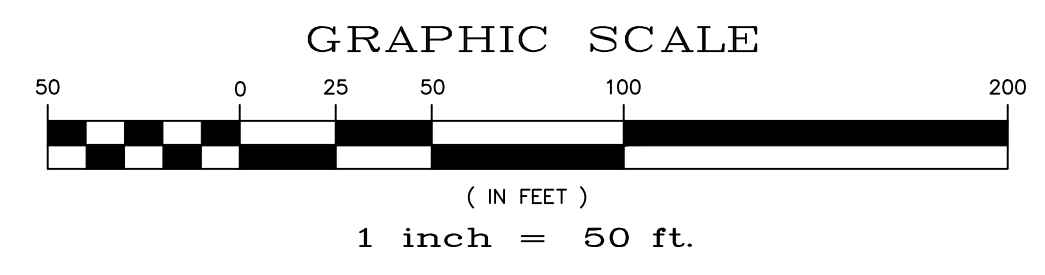
Drawn by	LOG	Checked by	TAK	Date	MAY 2018
Scale	AS SHOWN	44 of	55		
WINDINGWALK F1 AT MERIDIAN RANCH			GRADING-EROSION CONTROL PLAN		
GRADING-EROSION CONTROL PLAN			GRADING INDEX SHEET		
TECH CONTRACTORS			11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		
MERIDIAN RANCH					
No.	Revisions	Date	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
	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



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.  
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)MERIDIAN RANCH FILING 11  
7)VISTAS FILING 1 AT MERIDIAN RANCH

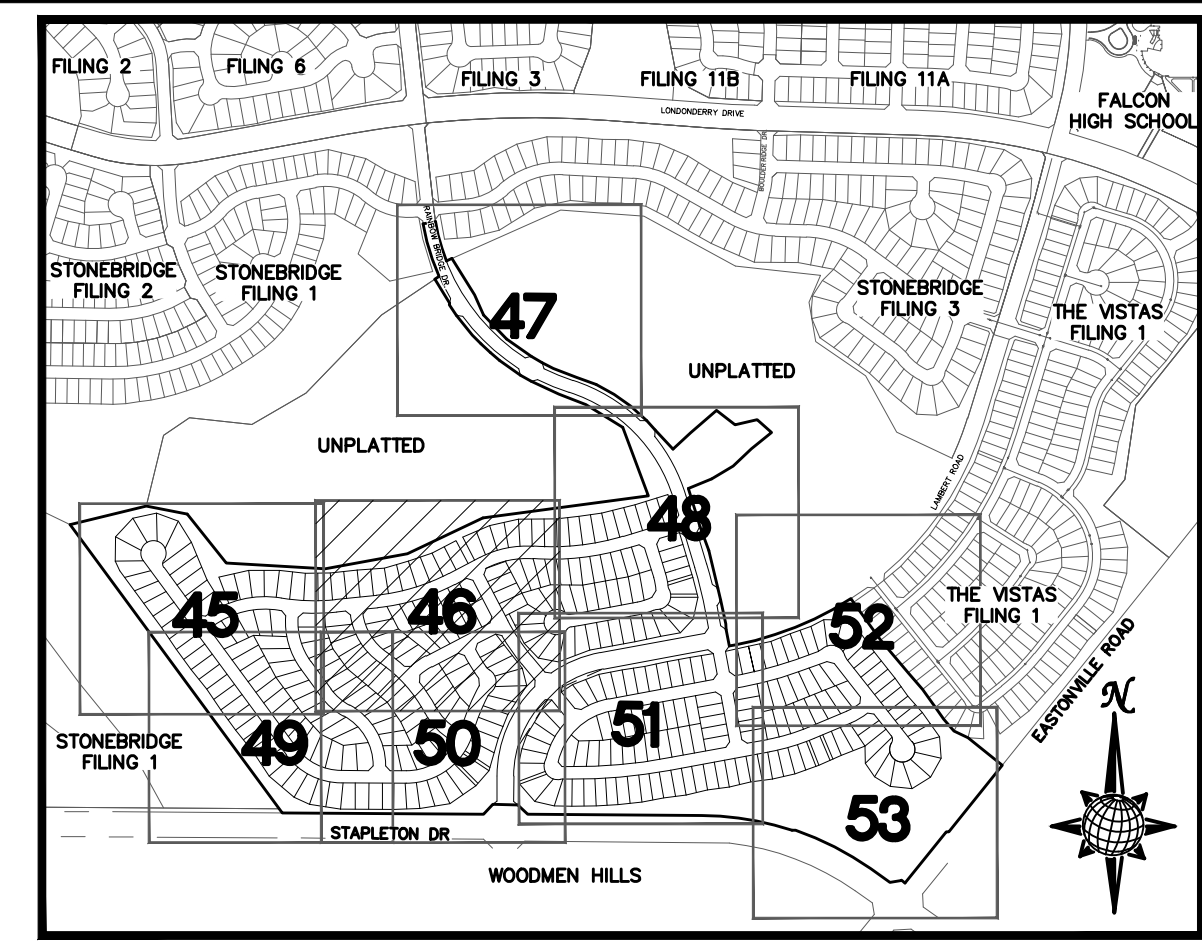
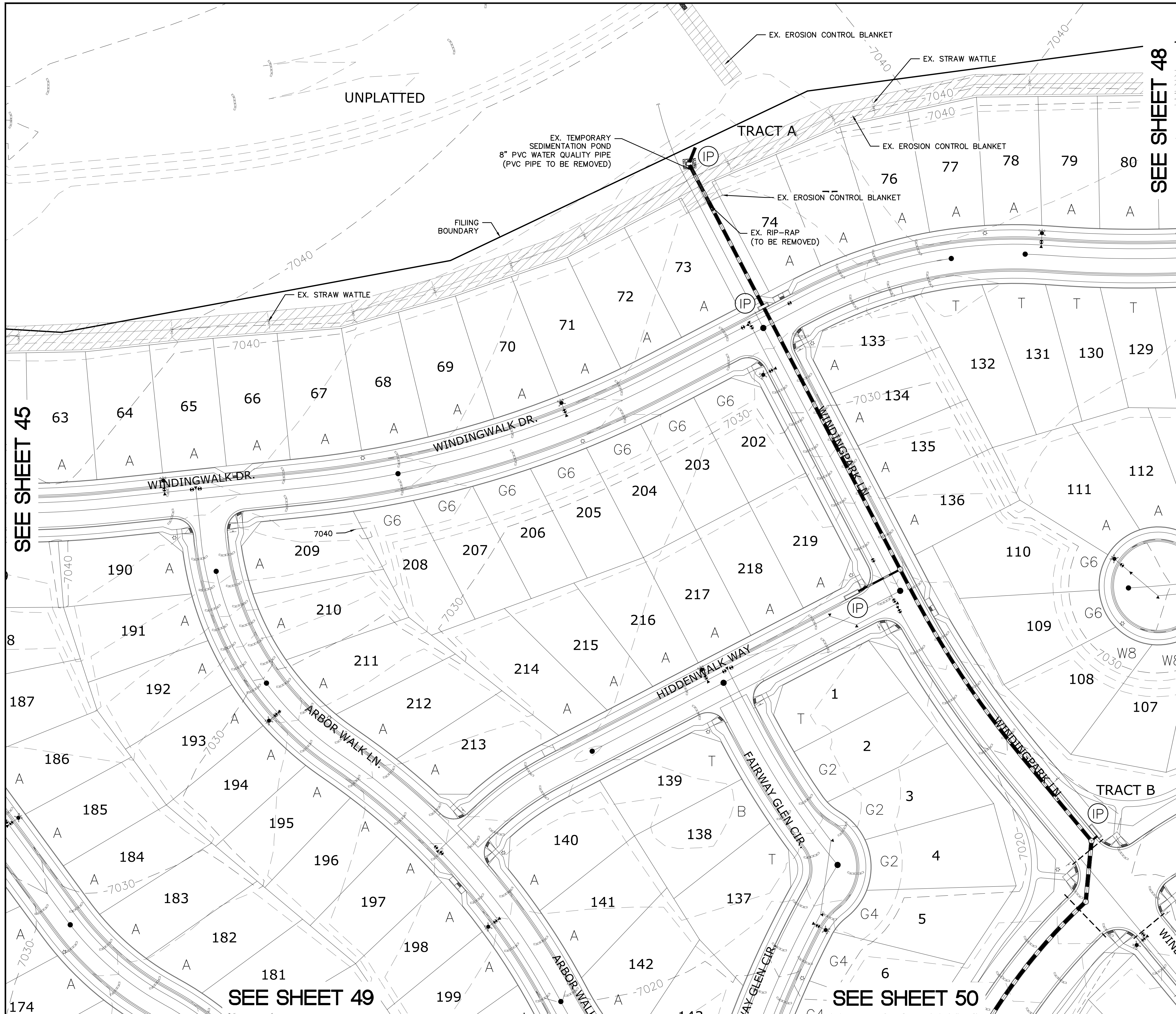
ALL EXISTING BMPs ARE PER THE APPROVED ROUGH GRADING PLAN FOR WINDINGWALK AT MERIDIAN RANCH (PCD FILE NO 17-001) APPROVED ON MARCH 6, 2018.

**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

TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		No.	Revisions	Date	Appr.
 <b>MERIDIAN RANCH</b>		PLAN SHEET			
Scale AS SHOWN	45 of 55				



**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

**GRAPHIC SCALE**  
1 inch = 50 ft.

**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.

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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 SHEET 45

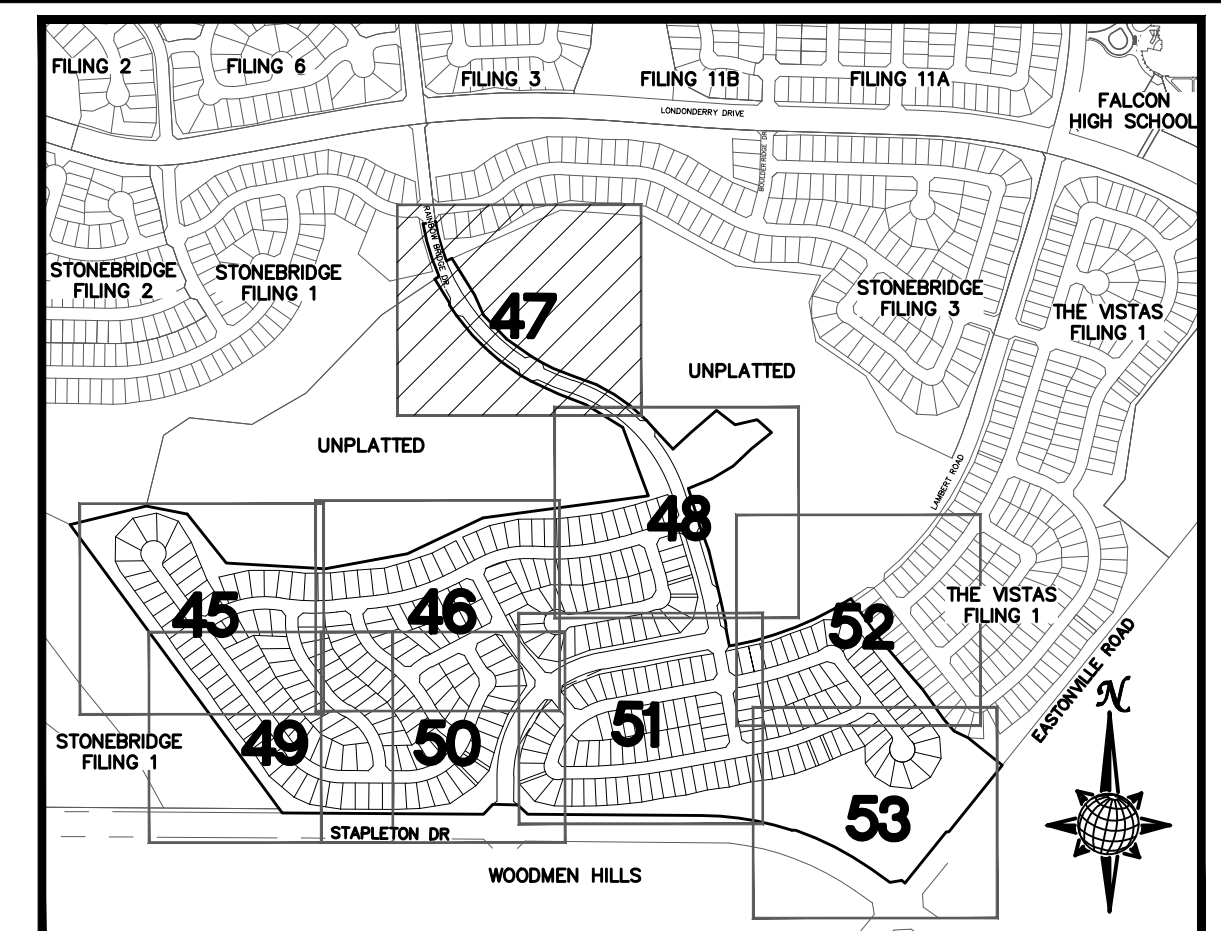
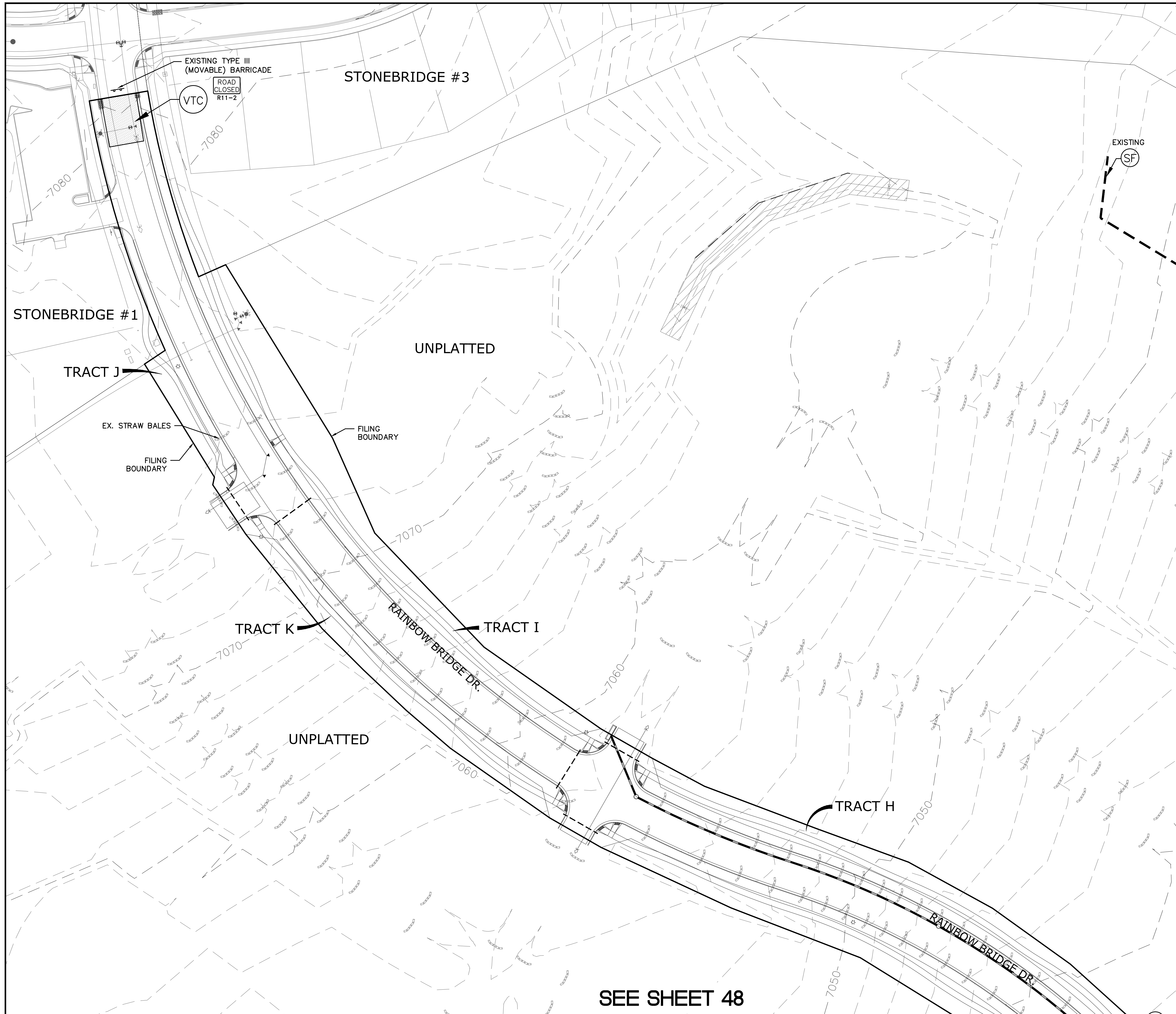
SEE SHEET 48

SEE SHEET 51

SEE SHEET 49

SEE SHEET 50

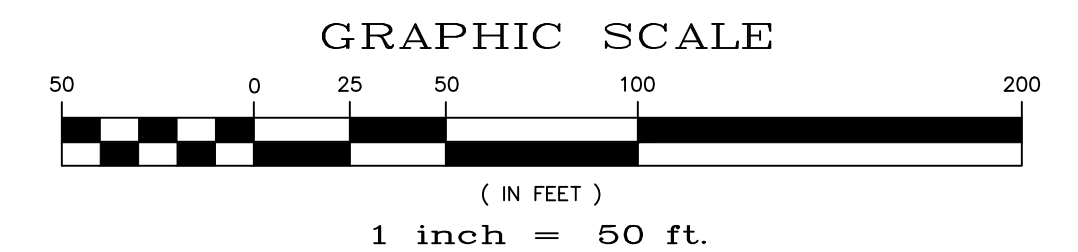
Drawn by	LOG	Checked by	TAK	Date	MAY 2018
Scale	AS SHOWN	46 of	55		
<p><b>MERIDIAN RANCH</b></p>					
<p>WINDINGWALK FI AT MERIDIAN RANCH GRADING-EROSION CONTROL PLAN PLAN SHEET</p>					
<p>TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457</p>					
No.	Revisions	Date	Init.	Appr.	Date



**INDEX MAP**  
N.T.S.

**LEGEND**

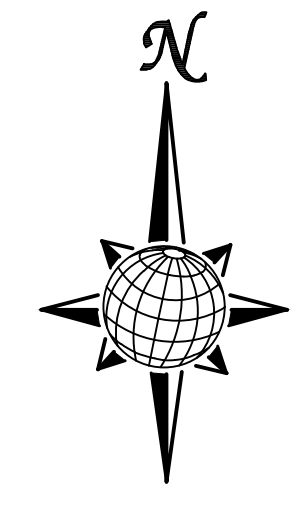
SYMBOL	ACRONYM	DESCRIPTION
		STRAW BALES
		EROSION WATTLES PER DETAIL SHEET 55
		EROSION CONTROL BLANKET PER DETAIL ECB-1 & ECB-2 DCM VOL. 2
	RCP	REINFORCED CONCRETE PIPE
	SF	SILT FENCE PER DETAIL SF-1, SF-2 & SF-3 DCM VOL. 2
	VTC	VEHICLE TRACKING CONTROL PER DETAIL VT-2 DCM VOL. 2
	IP	INLET PROTECTION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



**NOTE:**  
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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

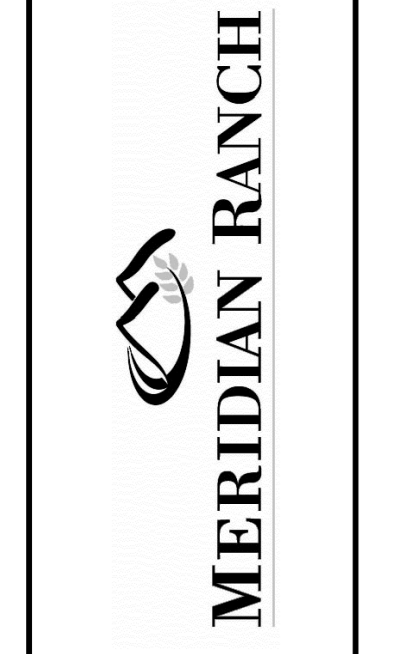
ALL EXISTING BMPs ARE PER THE APPROVED ROUGH GRADING PLAN FOR WINDINGWALK AT MERIDIAN RANCH (PCD FILE NO 17-001) APPROVED ON MARCH 6, 2018.



**SEE SHEET 48**

No.	Revisions	Date	Init.	Appr.

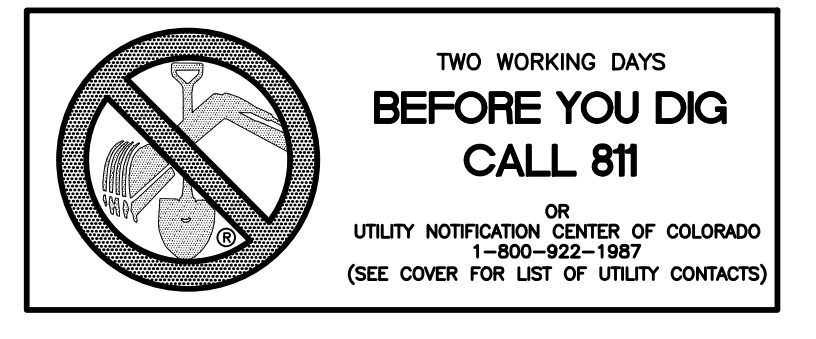
TECH CONTRACTORS  
11886 STAPLETON DRIVE  
FALCON, CO 80831  
TELEPHONE: 719.495.7444  
FAX: 719.495.2457

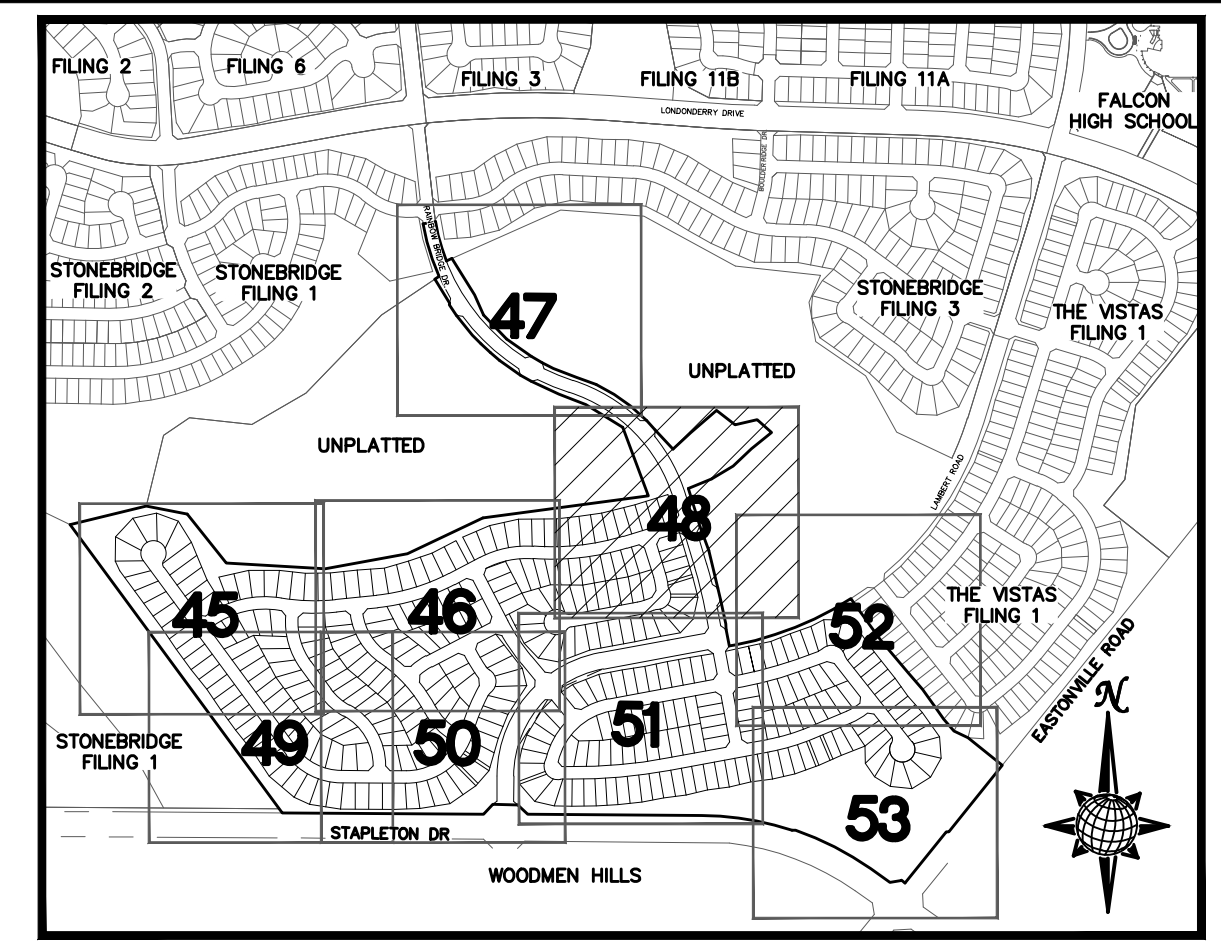


WINDINGWALK FI AT MERIDIAN RANCH  
GRADING/EROSION CONTROL PLAN  
PLAN SHEET

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

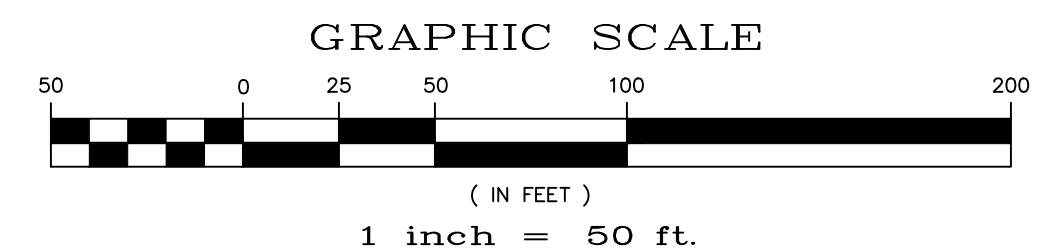




**INDEX MAP**  
N.T.S.

**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
	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



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.

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7)VISTAS FILING 1 AT MERIDIAN RANCH

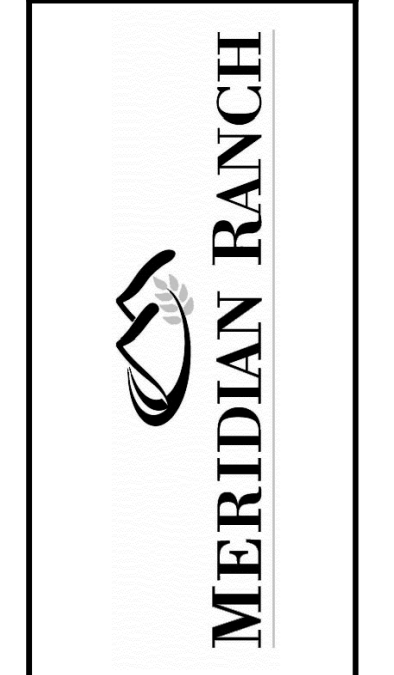
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1-800-922-1987  
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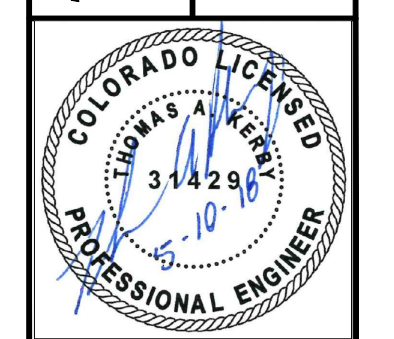
No.	Revisions	Date	Appr.

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		



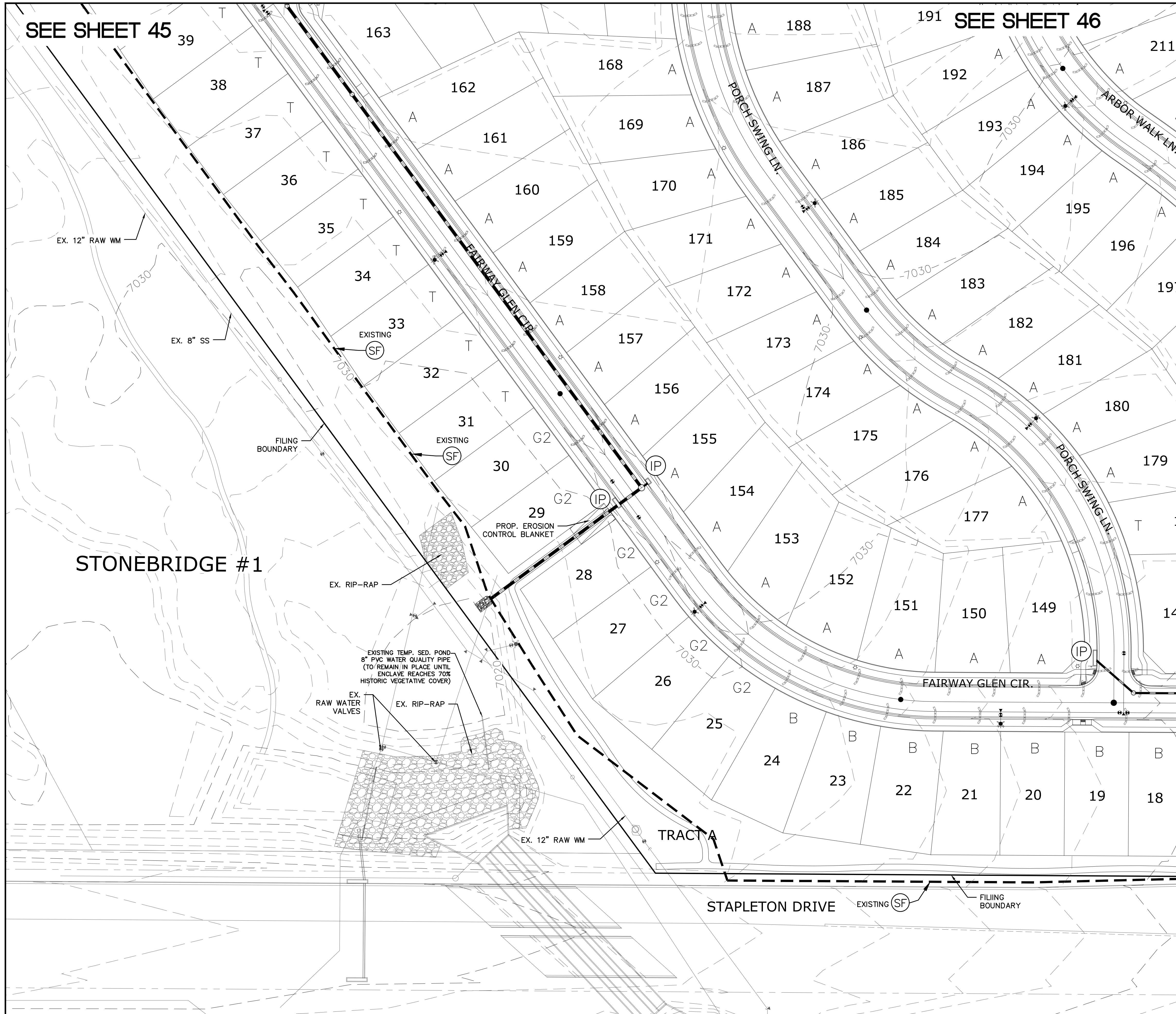
SEE SHEET 46

SEE SHEET 47

SEE SHEET 52

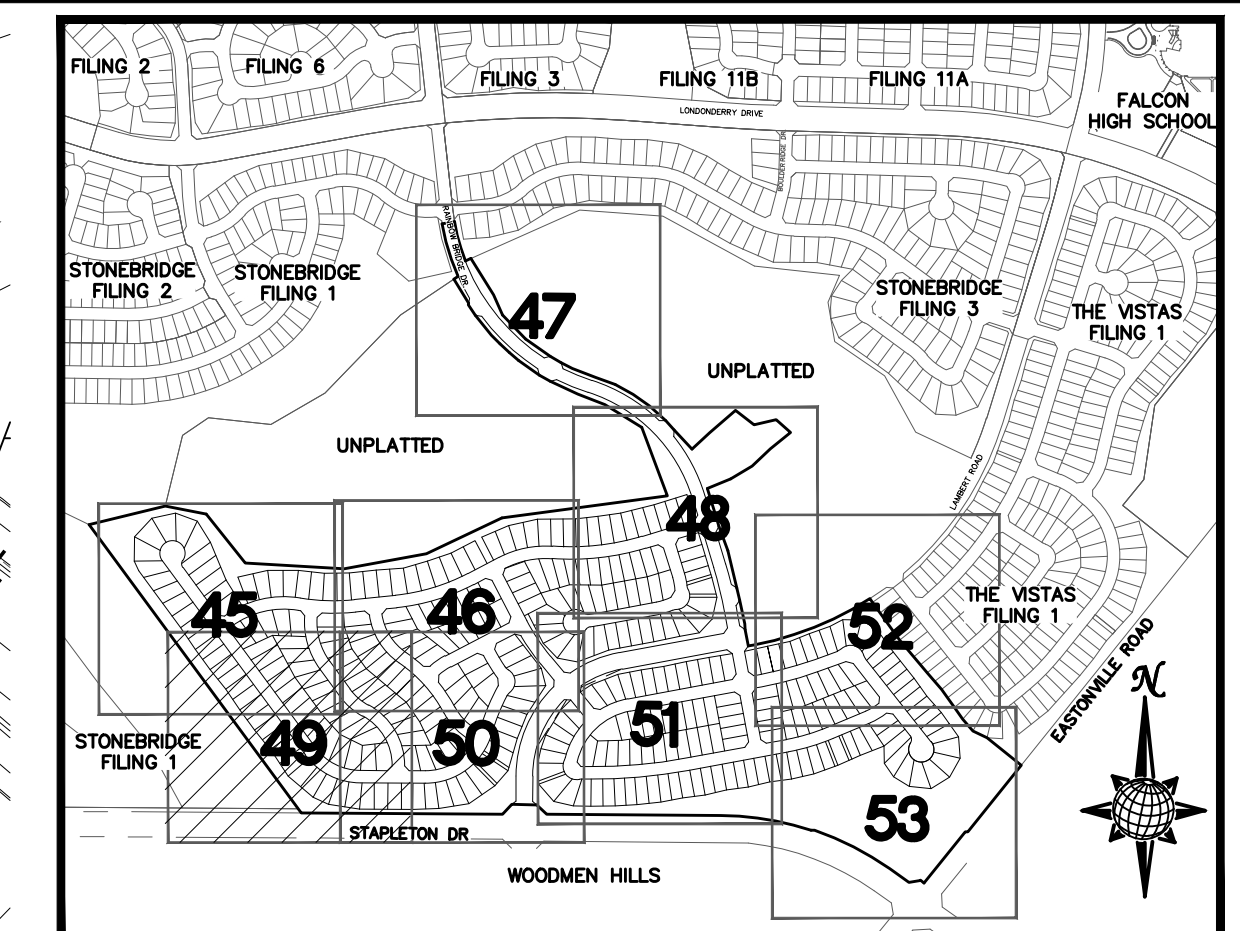
9 SEE SHEET 51





SEE SHEET 45

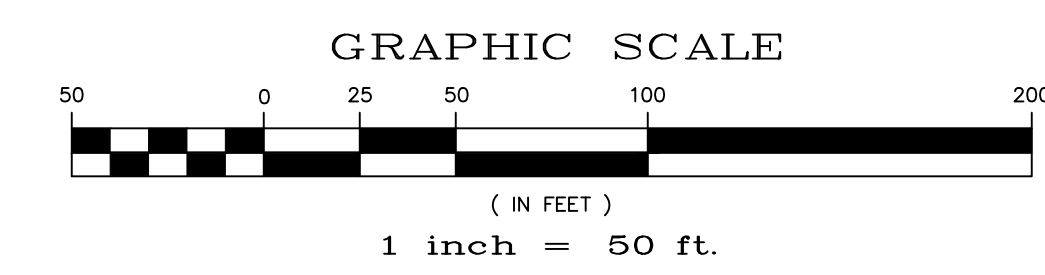
SEE SHEET 46



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
	ROP	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')
		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 54.

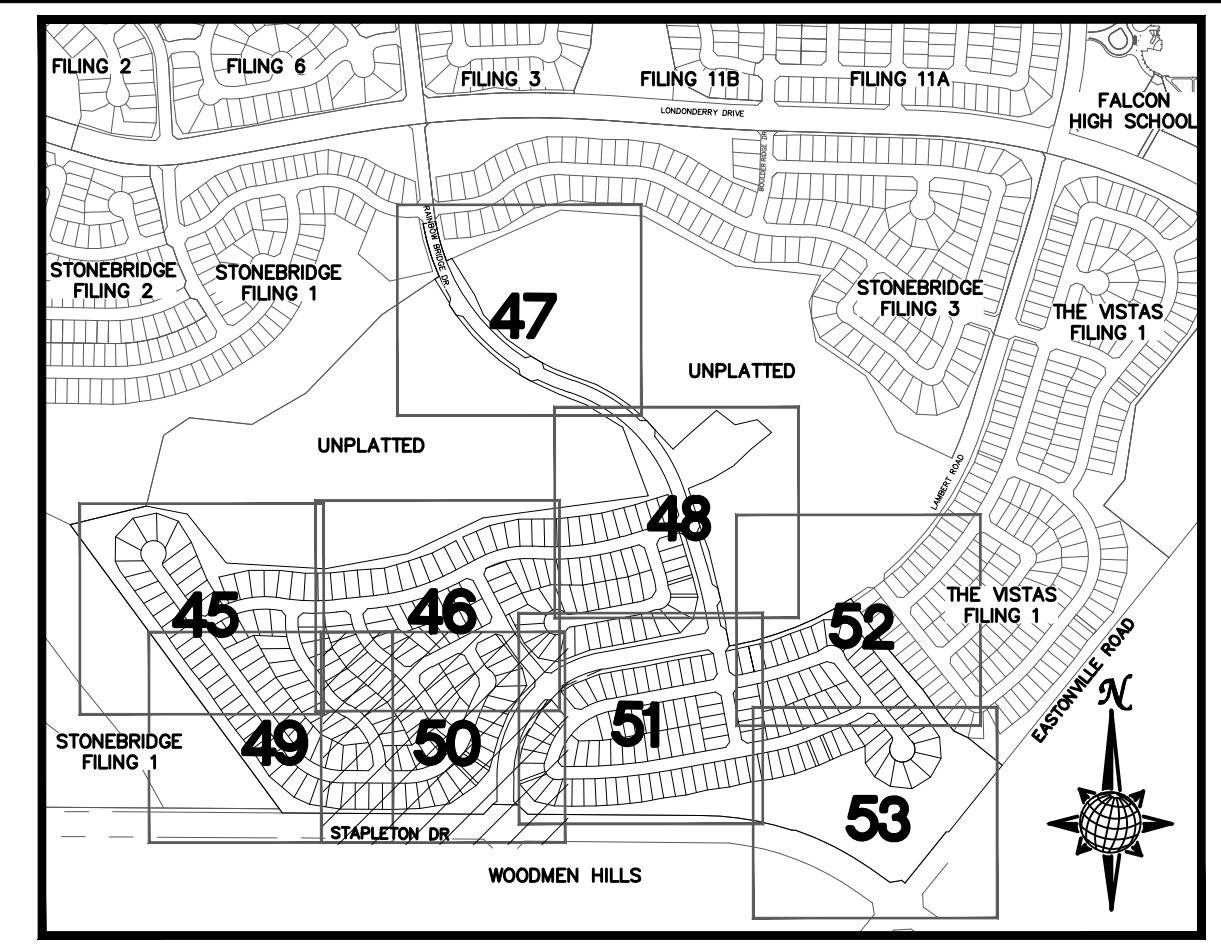
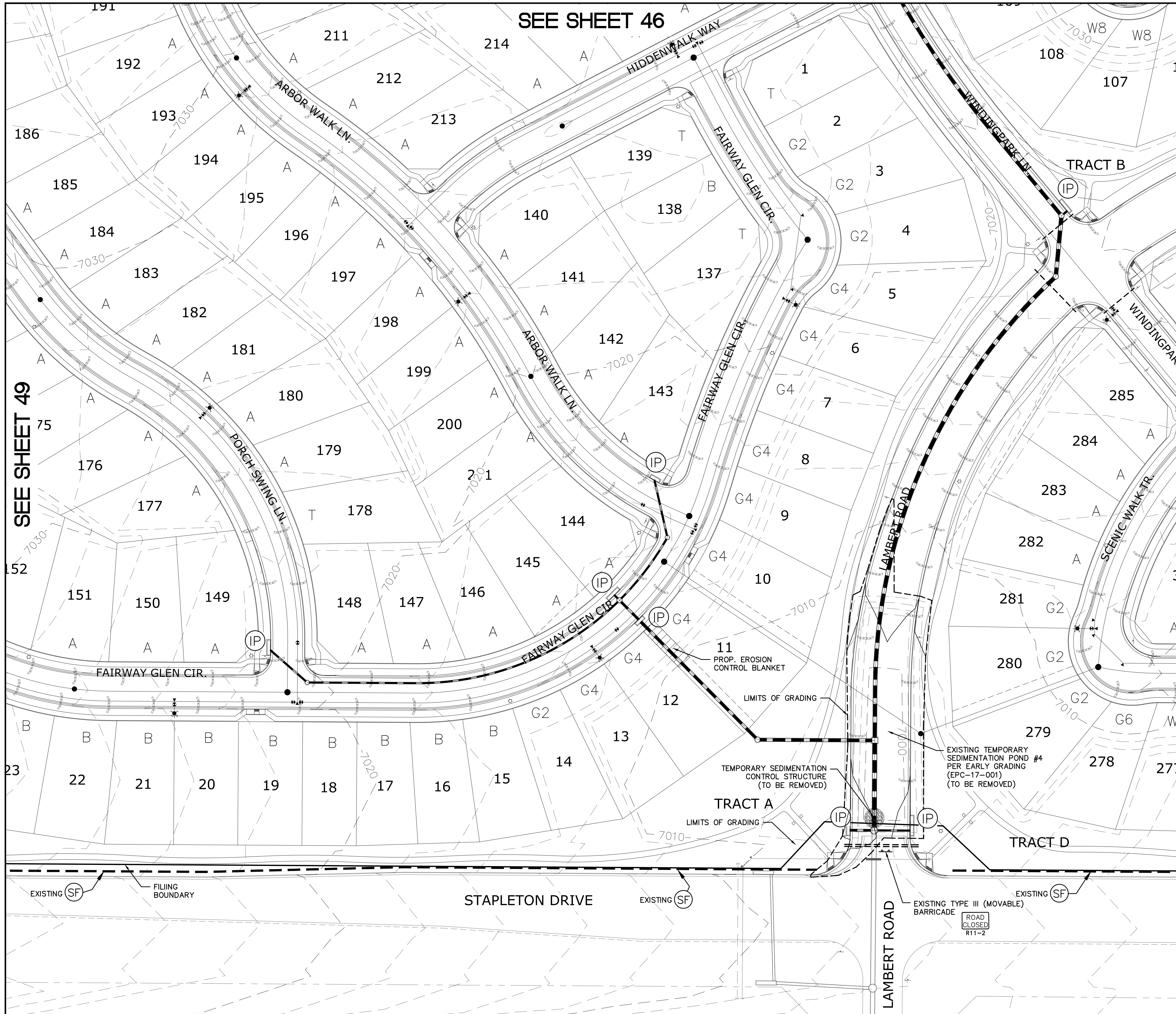
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EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:  
1)STONEBRIDGE FILING 1 AT MERIDIAN RANCH  
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1-800-922-1987  
(SEE COVER FOR LIST OF UTILITY CONTACTS)

SEE SHEET 50

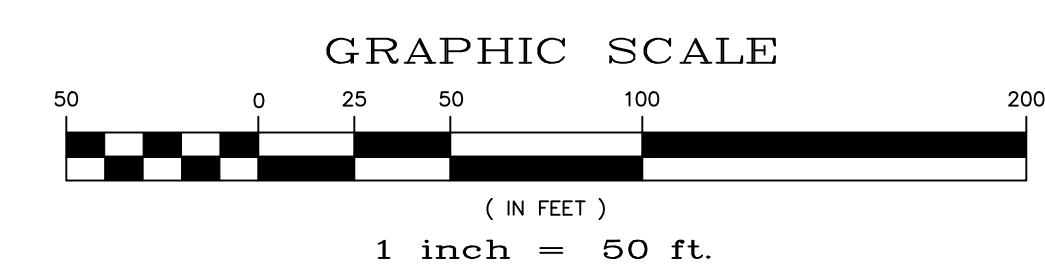
Drawn by	LOG	Checked by	TAK	Date	MAY 2018
Scale	AS SHOWN	49 of	55		
 <b>MERIDIAN RANCH</b>					
<b>WINDINGWALK FI AT MERIDIAN RANCH</b> <b>GRADING-EROSION CONTROL PLAN</b> <b>PLAN SHEET</b>					
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
No.	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



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.

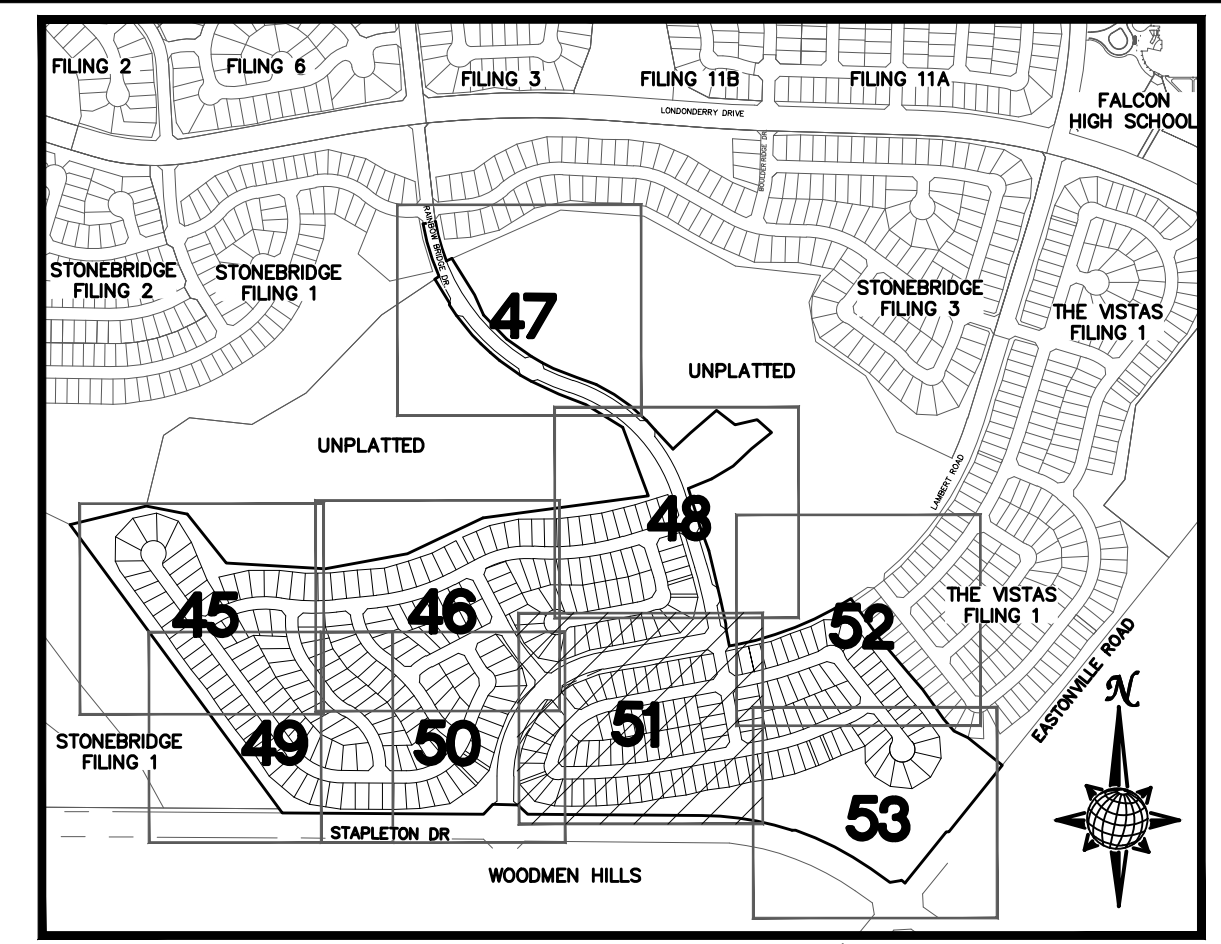
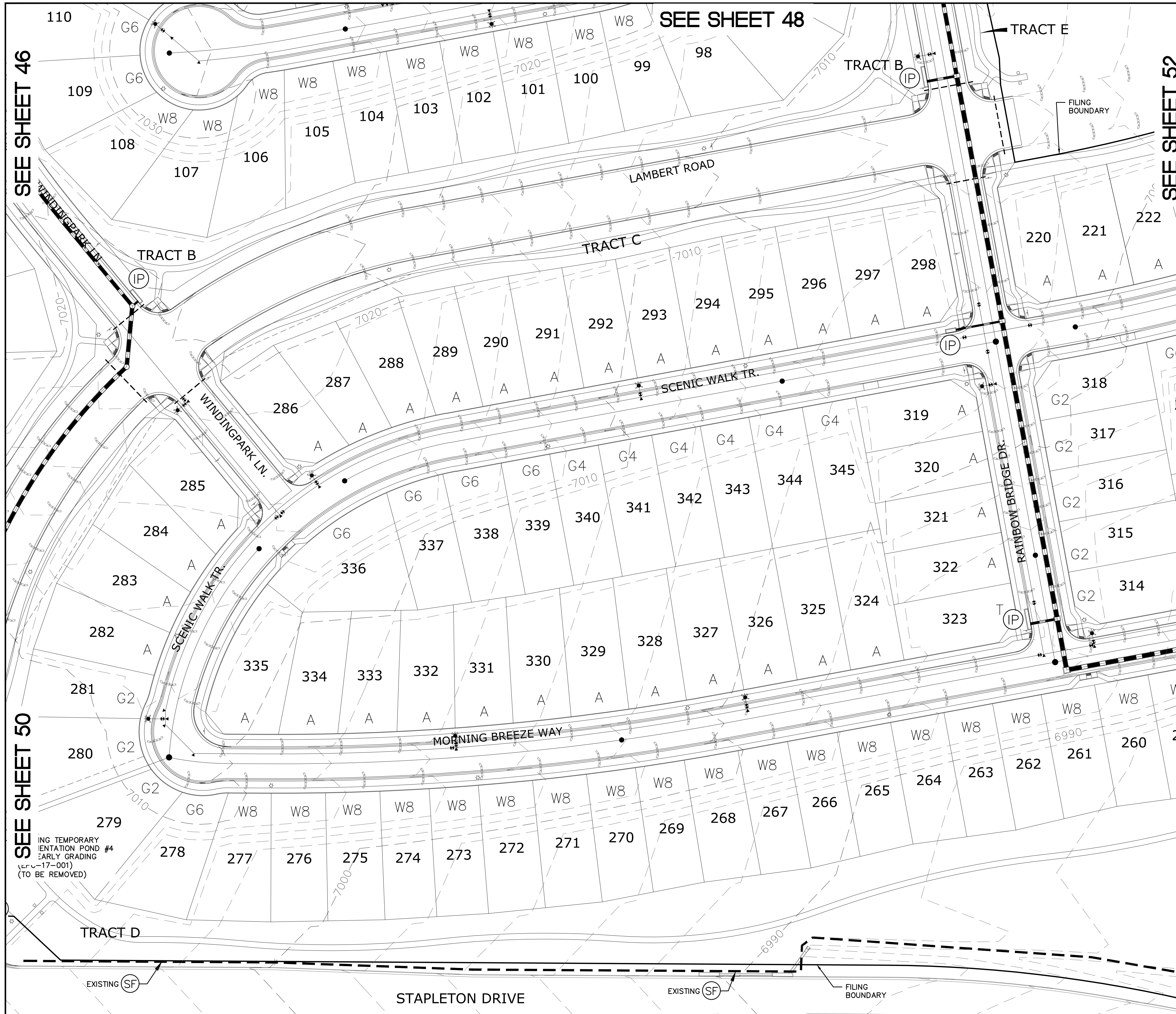
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1-800-922-1987  
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Drawn by	LOG	Checked by	TAK	Date	MAY 2018
Scale	AS SHOWN	50 of	55		
WINDINGWALK FI AT MERIDIAN RANCH GRADING/EROSION CONTROL PLAN PLAN SHEET					
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
No.	Revisions	Date	Init.	Appr.	Date



**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
	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')
		GRADE
		LOT NUMBER
		LOT GRADE TYPE

**GRAPHIC SCALE**

50 0 25 50 100 200

( IN FEET )

1 inch = 50 ft.

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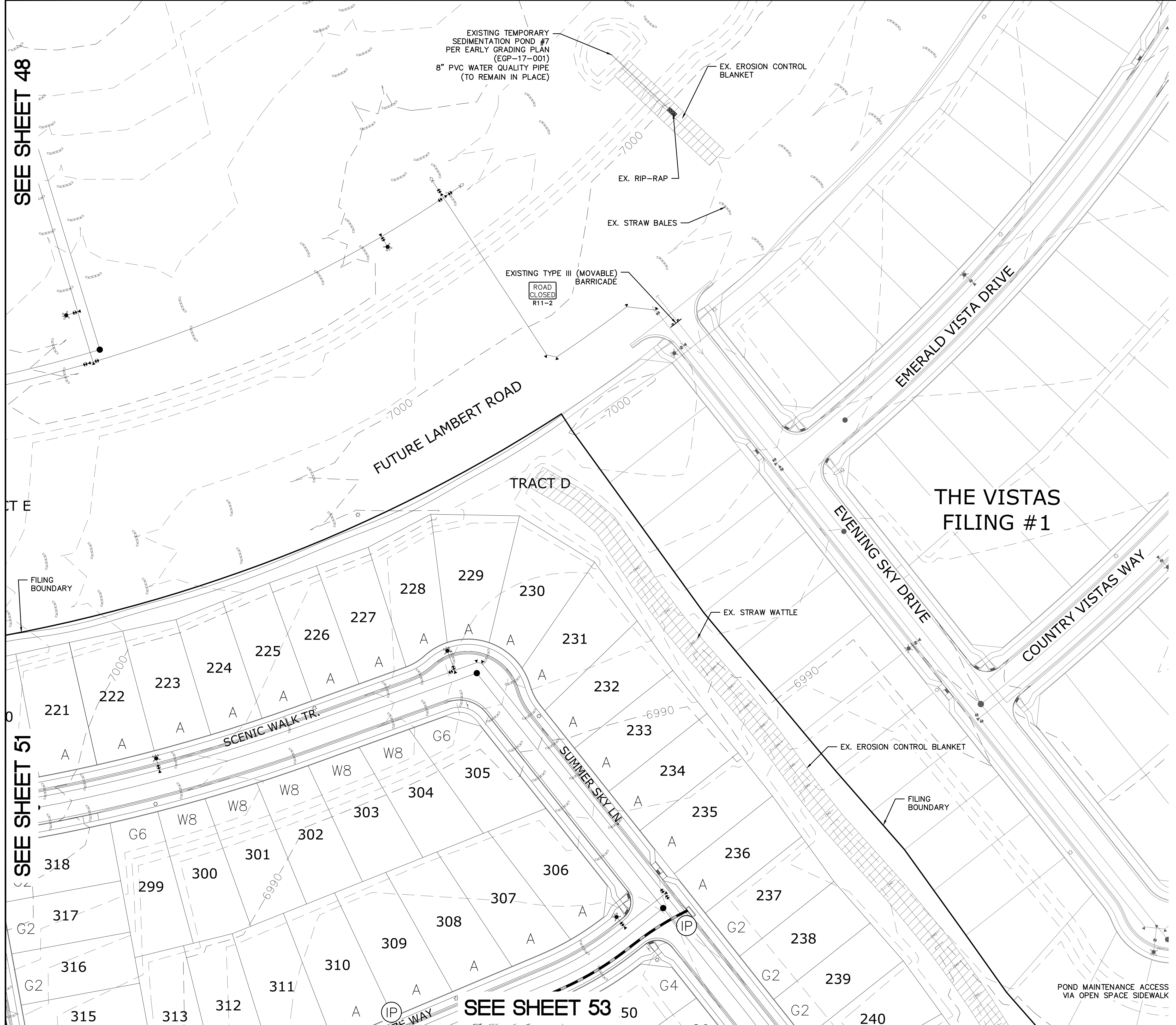
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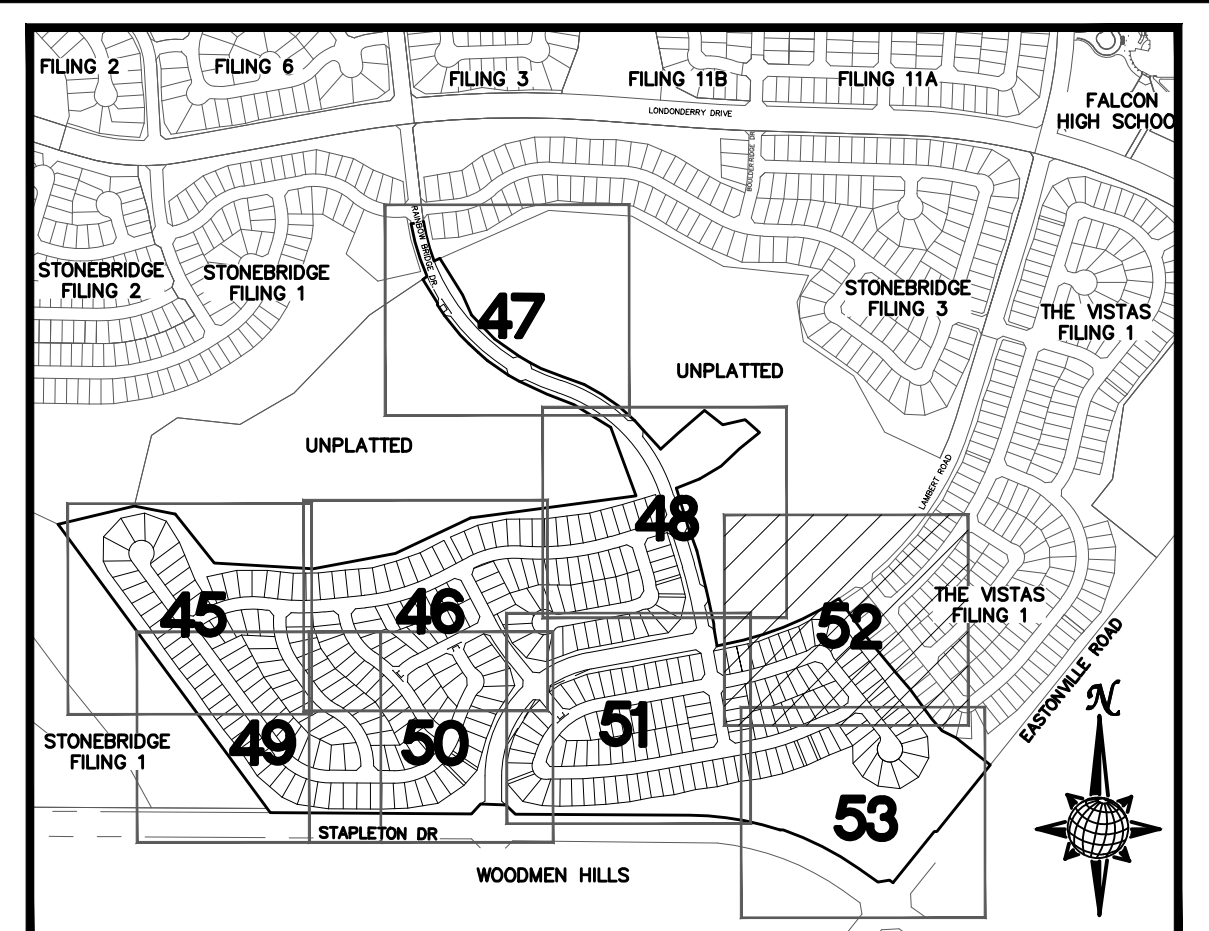
Drawn by	LOG	Checked by	TAK	Date	MAY 2018
Scale	AS SHOWN	51	of	55	
<b>WINDINGWALK FI AT MERIDIAN RANCH GRADING-EROSION CONTROL PLAN PLAN SHEET</b>					
<b>MERIDIAN RANCH</b>					
<b>TECH CONTRACTORS</b> 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
No.	Revisions	Date	Init.	Appr.	Date



SEE SHEET 48

SEE SHEET 51

SEE SHEET 53

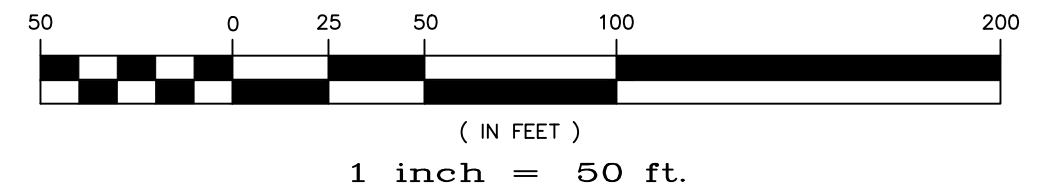


INDEX MAP  
N.T.S.

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')
		GRADE
		LOT NUMBER
		LOT GRADE TYPE

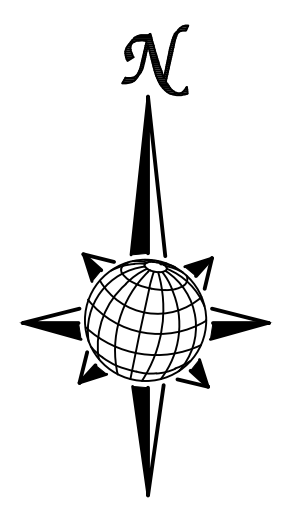
GRAPHIC SCALE



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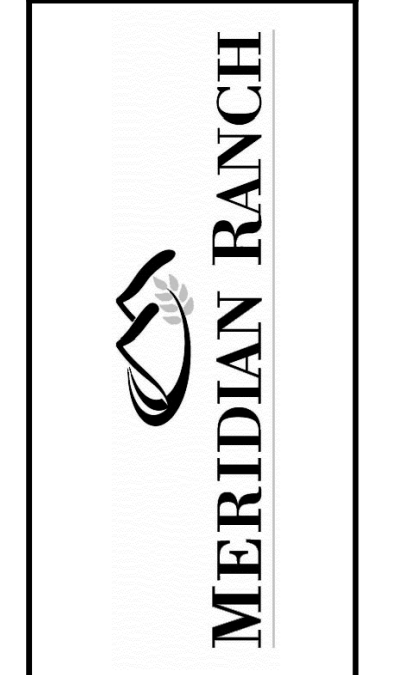


POND MAINTENANCE ACCESS VIA OPEN SPACE SIDEWALK

**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)

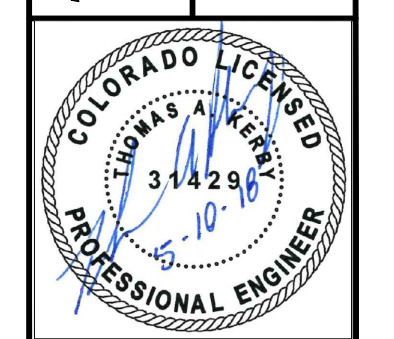
No.	Revisions	Date	Appr.

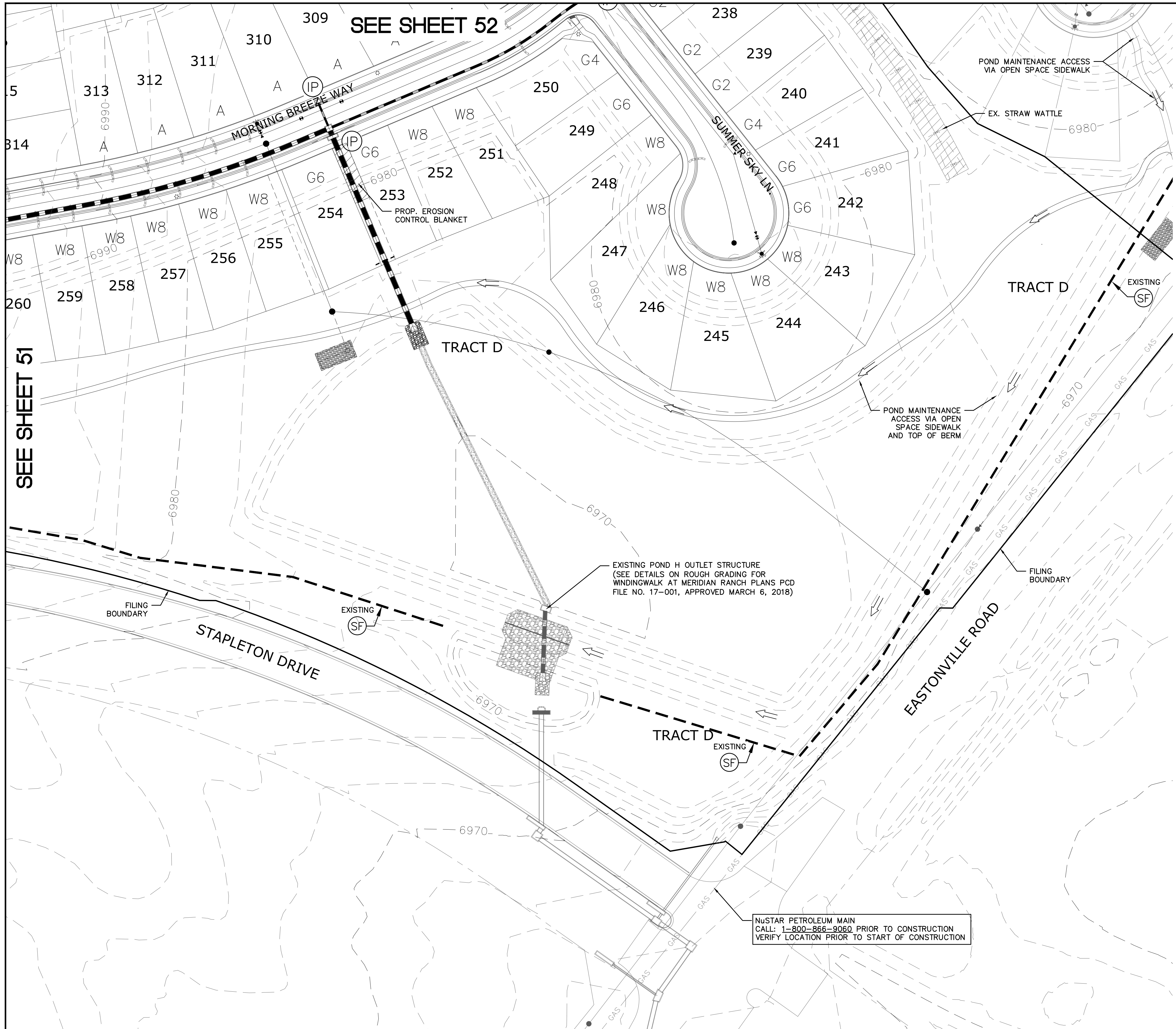
TECH CONTRACTORS  
11886 STAPLETON DRIVE  
FALCON, CO 80831  
TELEPHONE: 719.495.7444  
FAX: 719.495.2457



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

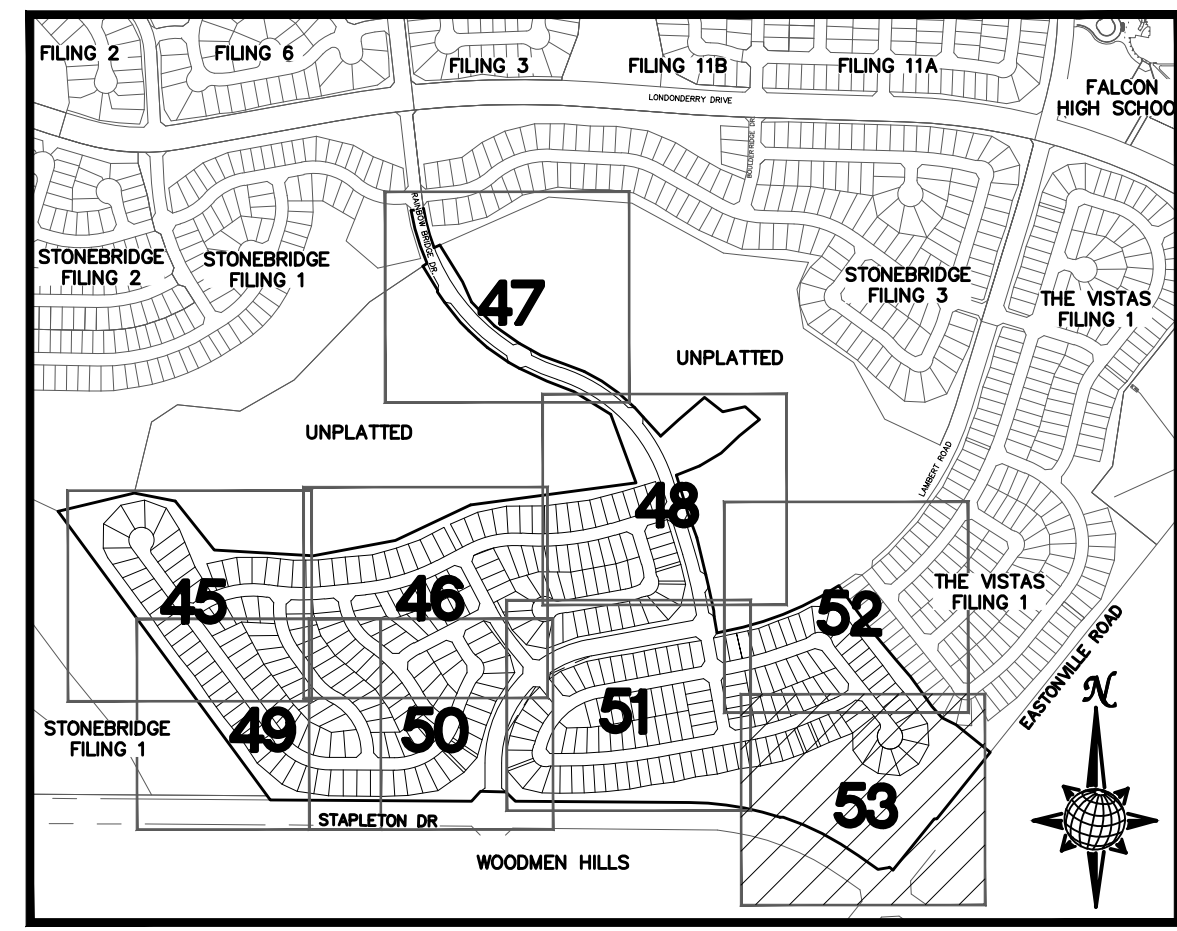
Drawn by	LOG	Checked by	TAK	Date	MAY 2018
Scale	AS SHOWN	52	of	55	





SEE SHEET 52

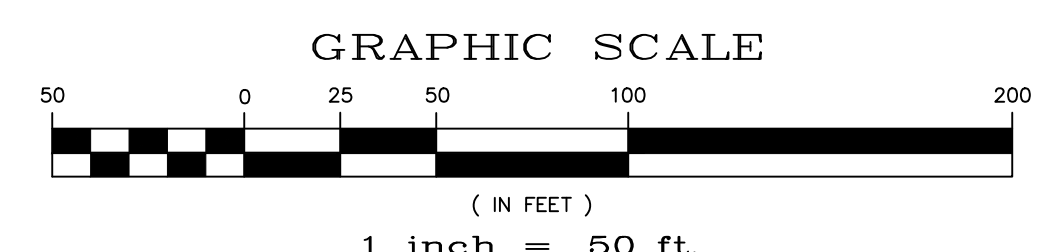
SEE SHEET 51



**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



**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.  
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) 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.

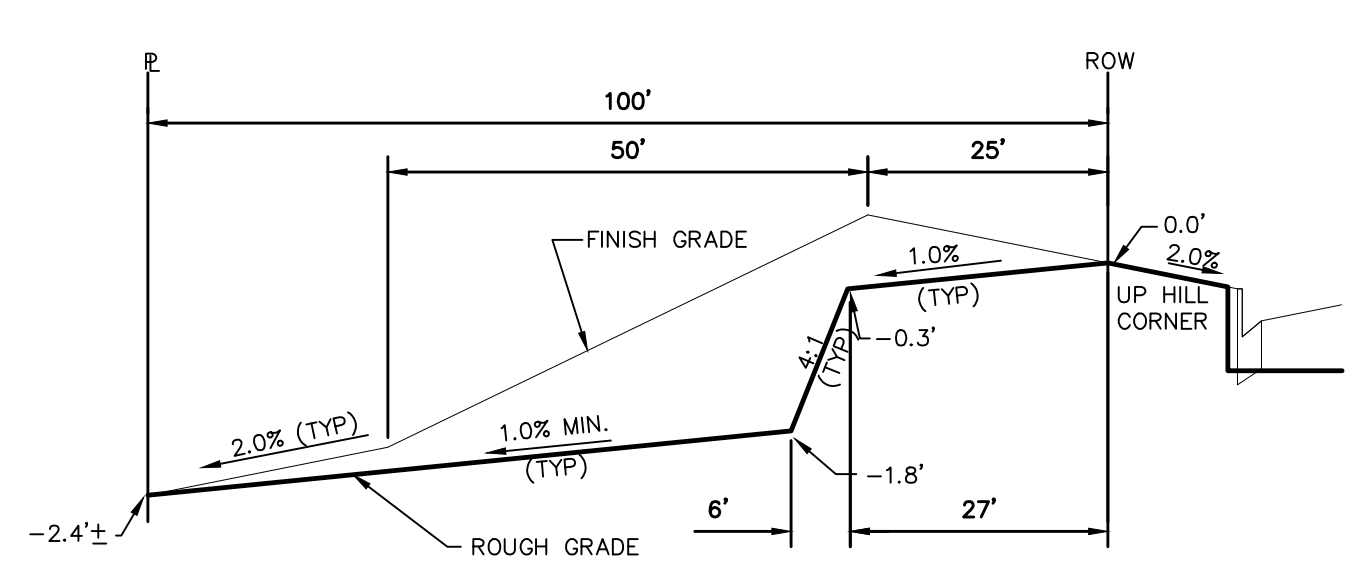


NuSTAR PETROLEUM MAIN  
CALL: 1-800-866-9060 PRIOR TO CONSTRUCTION  
VERIFY LOCATION PRIOR TO START OF CONSTRUCTION

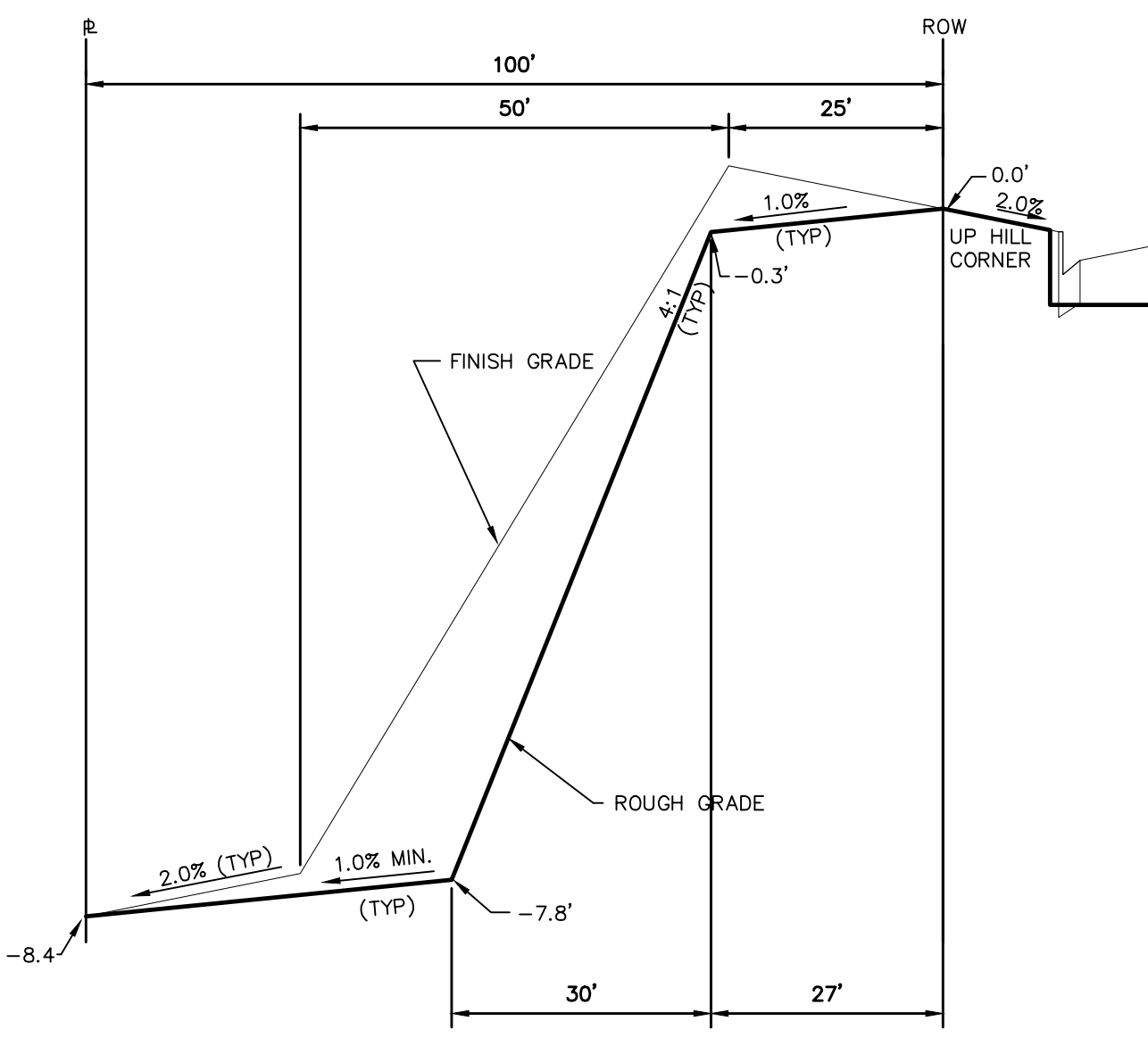
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		No.	Date	Appr.
 <b>MERIDIAN RANCH</b>		Revisions	Date	
Drawn by LOG	Checked by TAK	Date MAY 2018		
Scale AS SHOWN	53 of 55			

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

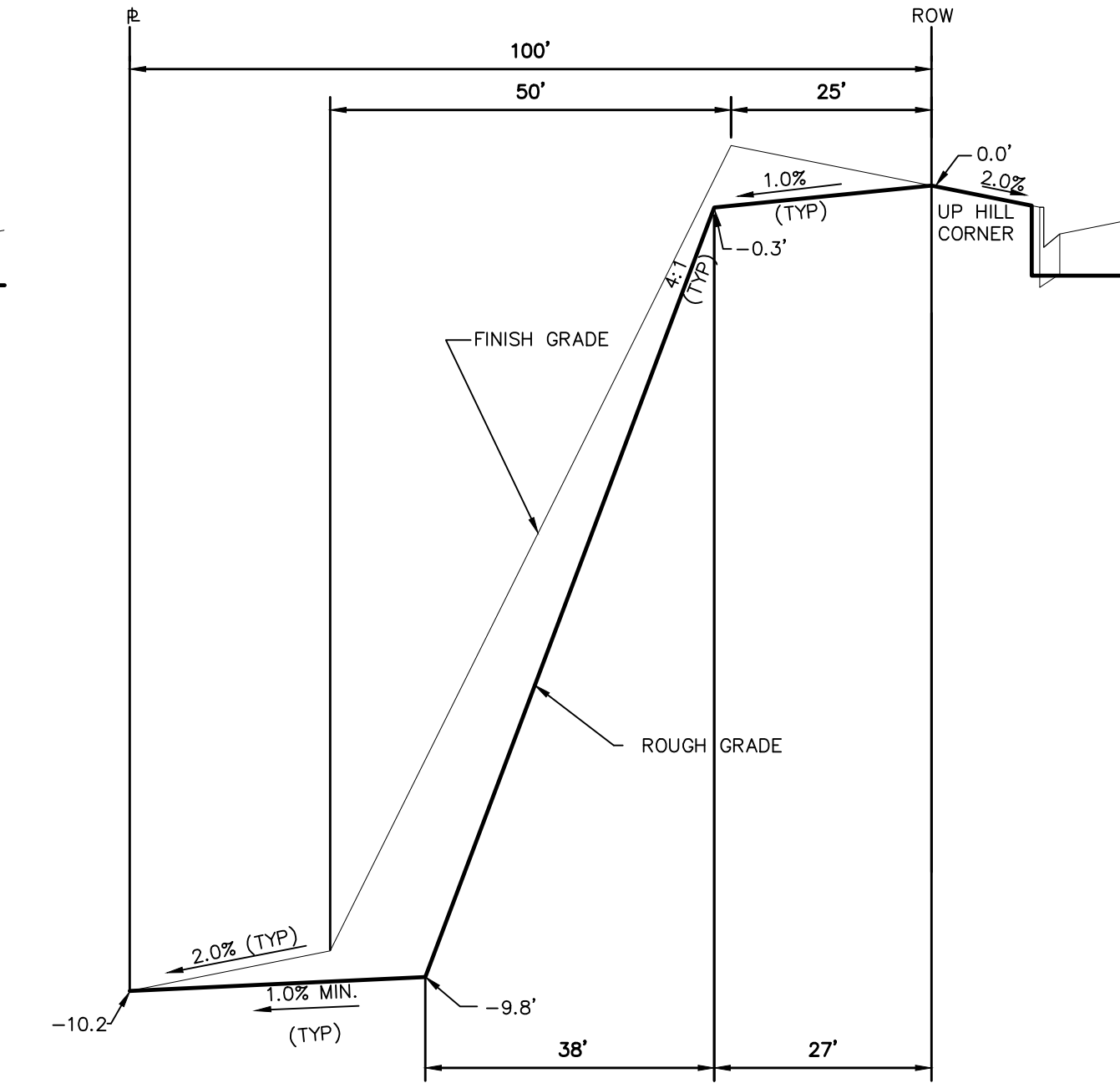
OR  
UTILITY NOTIFICATION CENTER OF COLORADO  
1-800-922-1987  
(SEE COVER FOR LIST OF UTILITY CONTACTS)



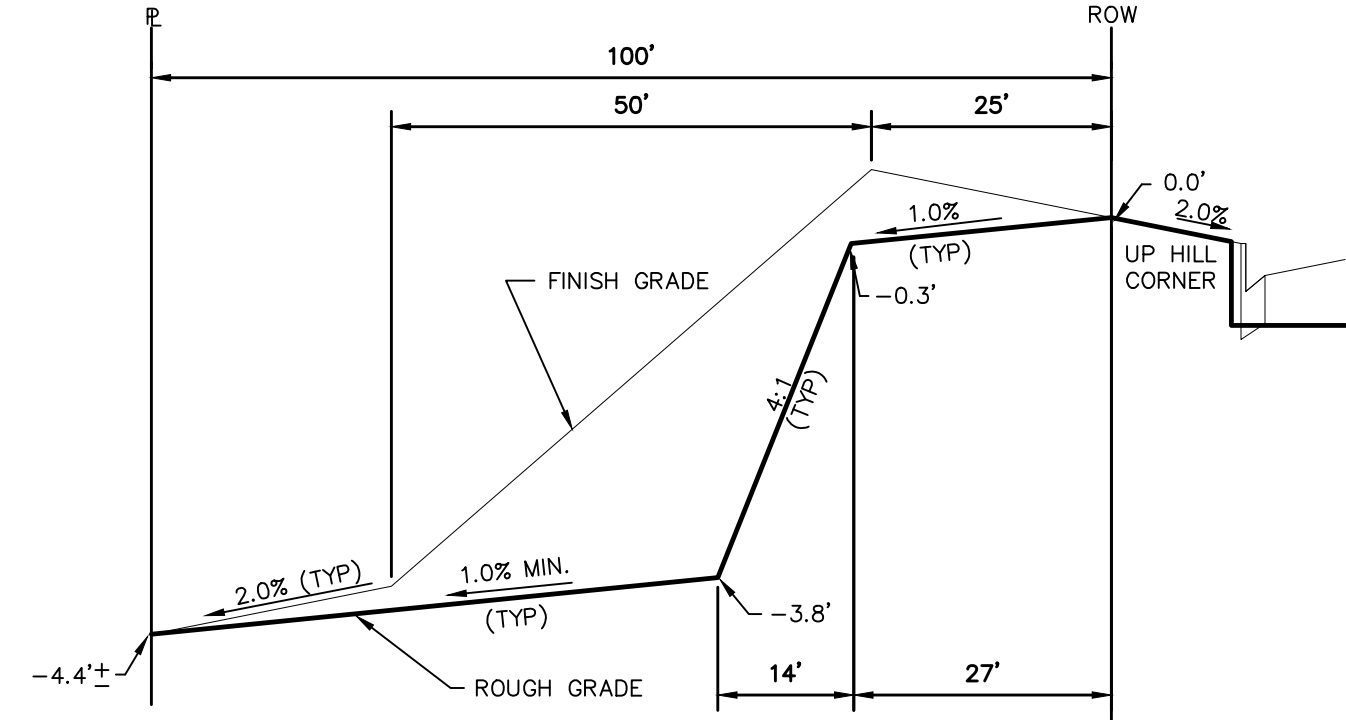
TYPICAL LOT "G2" TEMPLATES  
NTS



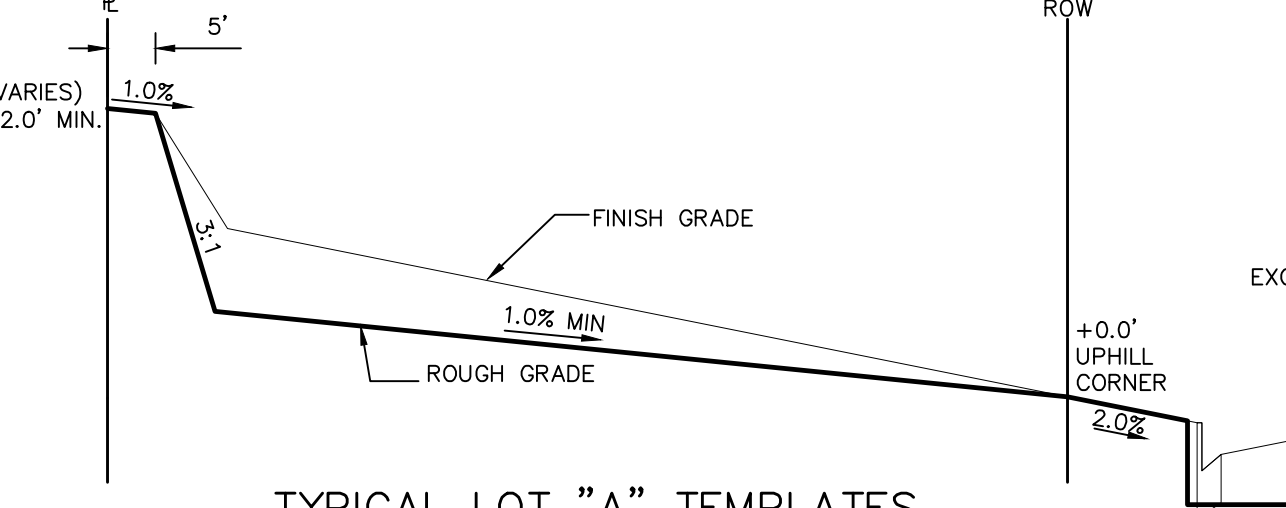
TYPICAL LOT "W8" TEMPLATES  
NTS



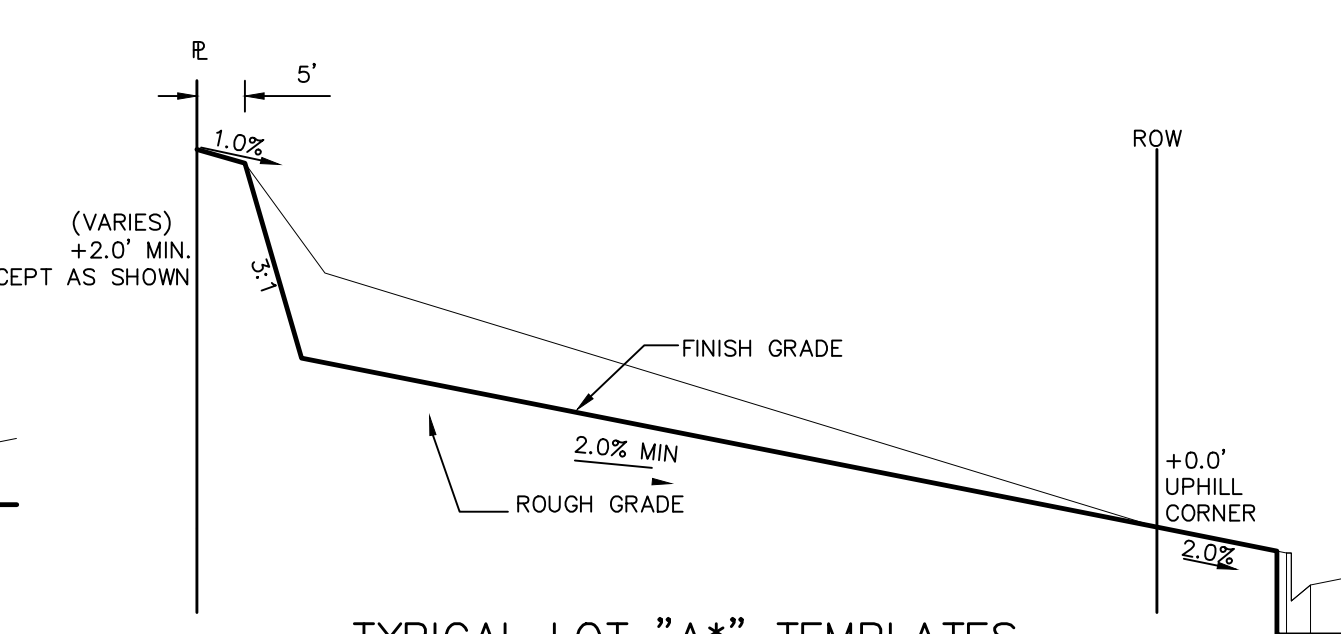
TYPICAL LOT "W10" TEMPLATES  
NTS



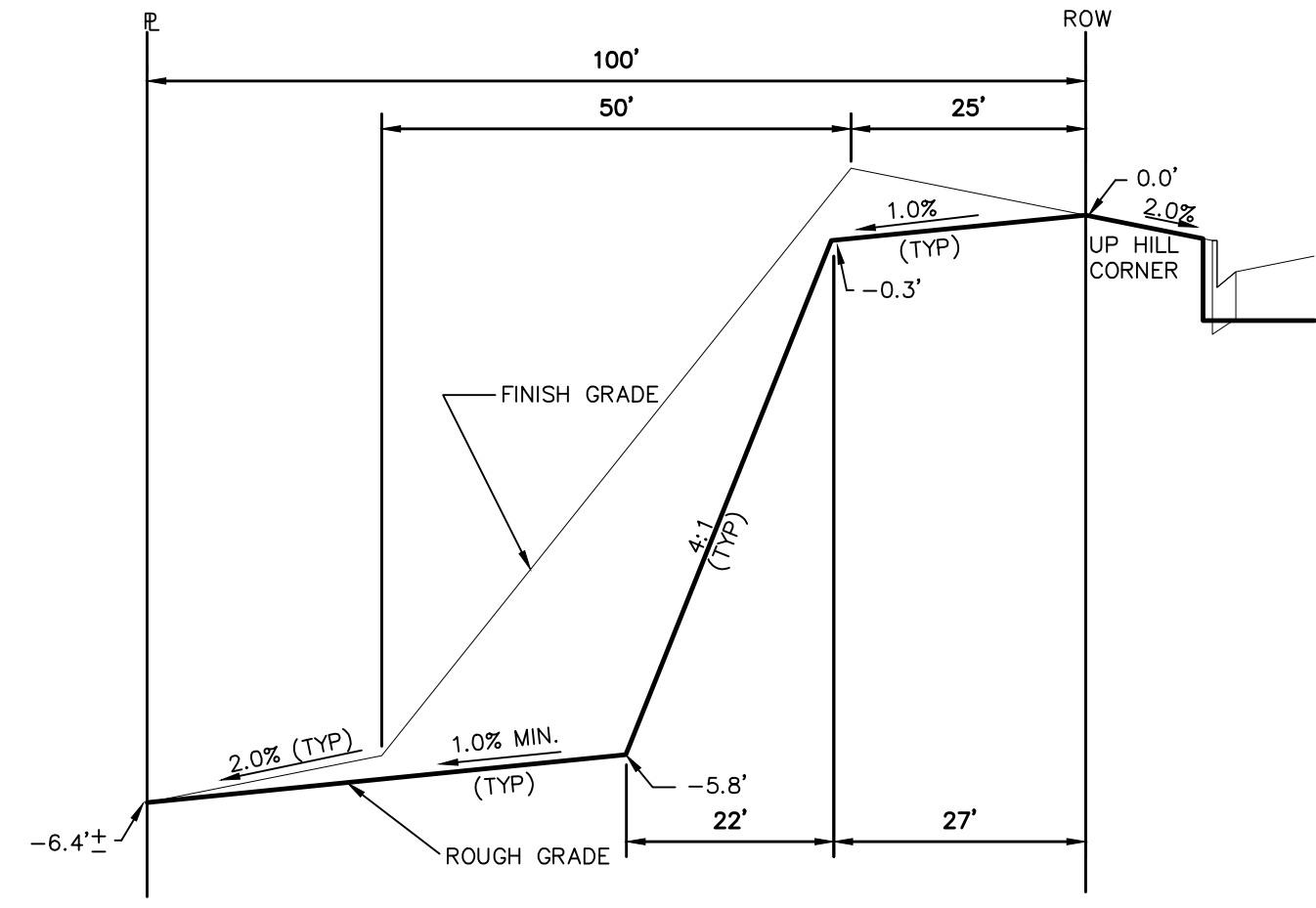
TYPICAL LOT "G4" TEMPLATES  
NTS



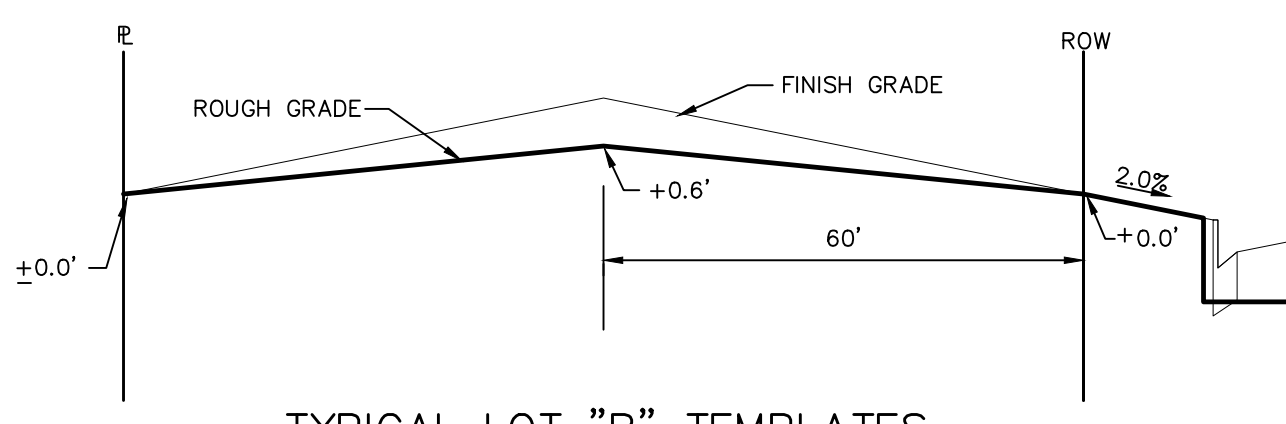
TYPICAL LOT "A" TEMPLATES  
NTS



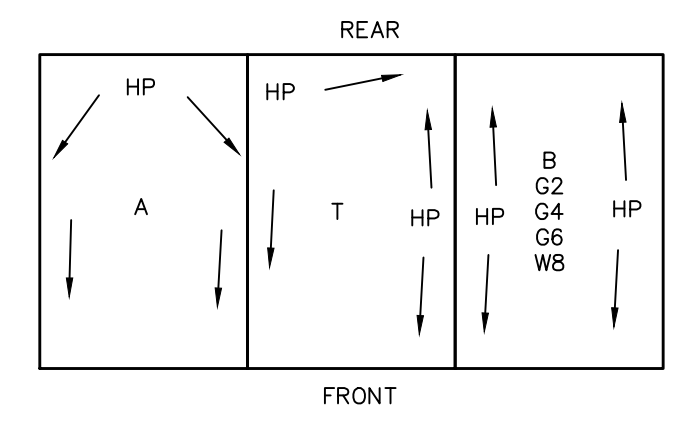
TYPICAL LOT "A\*" TEMPLATES  
NTS



TYPICAL LOT "G6" TEMPLATES  
NTS



TYPICAL LOT "B" TEMPLATES  
NTS



TYPICAL DRAINAGE PATTERN  
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 THE 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**

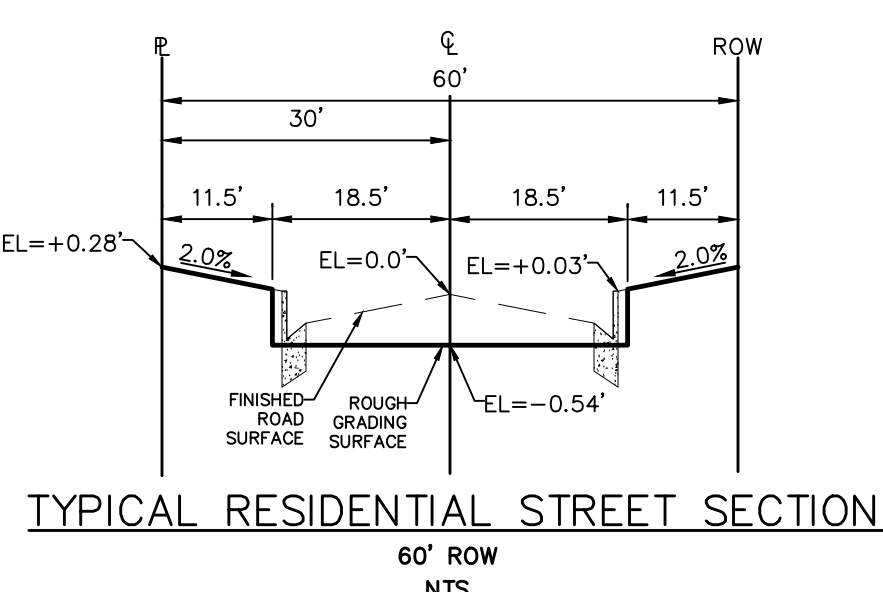
- A THOROUGH INSPECTION OF THE STORMWATER MANAGEMENT SYSTEM SHALL BE PERFORMED EVERY 14 DAYS AS WELL AS AFTER ANY RAIN OR SNOWMELT EVENT THAT CAUSES SURFACE EROSION:
- \* EROSION OF V-NOTCH SWALES, CHANNELS AND SIDE SLOPES SHALL BE REPAIRED.
  - \* WHEN THE CHECK DAMS HAVE SILTED UP TO HALF THEIR HEIGHT, THE SILT SHALL BE REMOVED, CHANNEL GRADE REESTABLISHED, AND SIDE SLOPES RE-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**

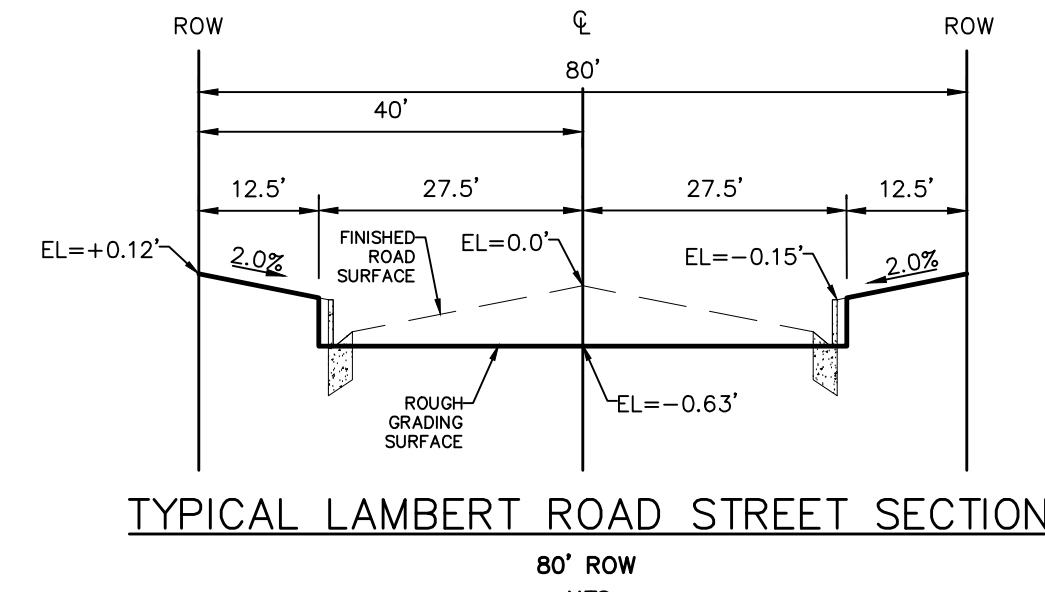
ALL DISTURBED AREAS SHALL BE REQUIRE SEEDING WITHIN TWO (2) WEEKS FOLLOWING THE ESTABLISHMENT OF FINAL GRADE. AREAS TO RECEIVE PAVEMENT DURING THE CONSTRUCTION OF THE ROAD SYSTEM SHALL NOT RECEIVE ANY SEEDING. SEEDING SHOULD BE ACCOMPLISHED USING AN APPROPRIATE GRASS DRILL, BY BROADCASTING OR BY HYDROMULCHING. 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:

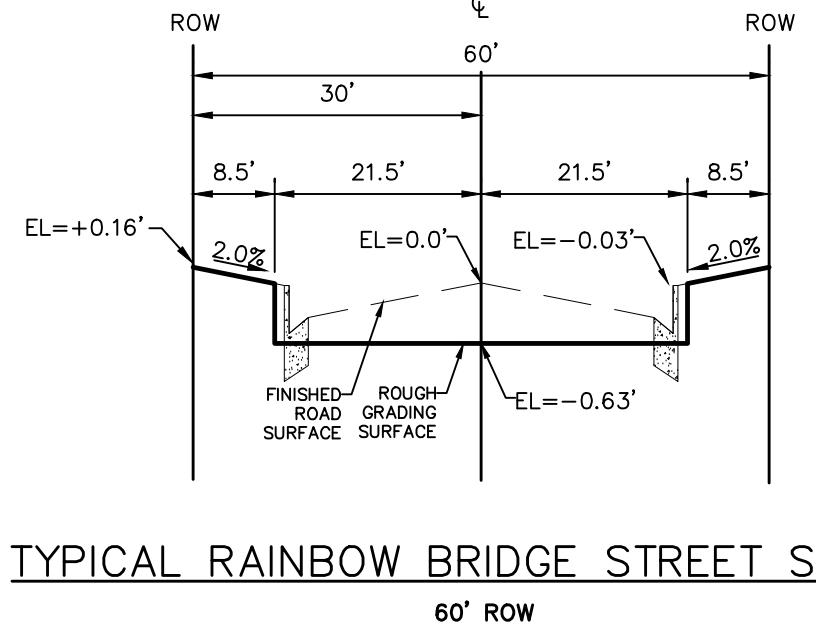
GRASS	VARIETY	AMOUNT IN PLS LBS. PER ACRE
SIDEOATS GRAMA	EL RENO	3.0
WESTERN WHEATGRASS	BARTON	2.5
SLENDER WHEATGRASS	NATIVE	2.0
LITTLE BLUESTERN	PASTURA	2.0
SAND DROPSSEED	NATIVE	0.5
SWITCH GRASS	NEBRASKA	3.0
WEEPING LOVE GRASS	MORPHA	1.0



TYPICAL RESIDENTIAL STREET SECTION  
60' ROW  
NTS



TYPICAL LAMBERT ROAD STREET SECTION  
80' ROW  
NTS



TYPICAL RAINBOW BRIDGE STREET SECTION  
60' ROW  
NTS

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)

Drawn by	LOG	Checked by	TAK	Date	MAY 2018
Scale	AS SHOWN	54	of	55	
<p><b>MERIDIAN RANCH</b></p>					
<p>WINDINGWALK FI AT MERIDIAN RANCH GRADING-EROSION CONTROL PLAN DETAIL SHEET</p>					
<p>TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457</p>					
No.	Revisions	Date	Appr.	Date	

