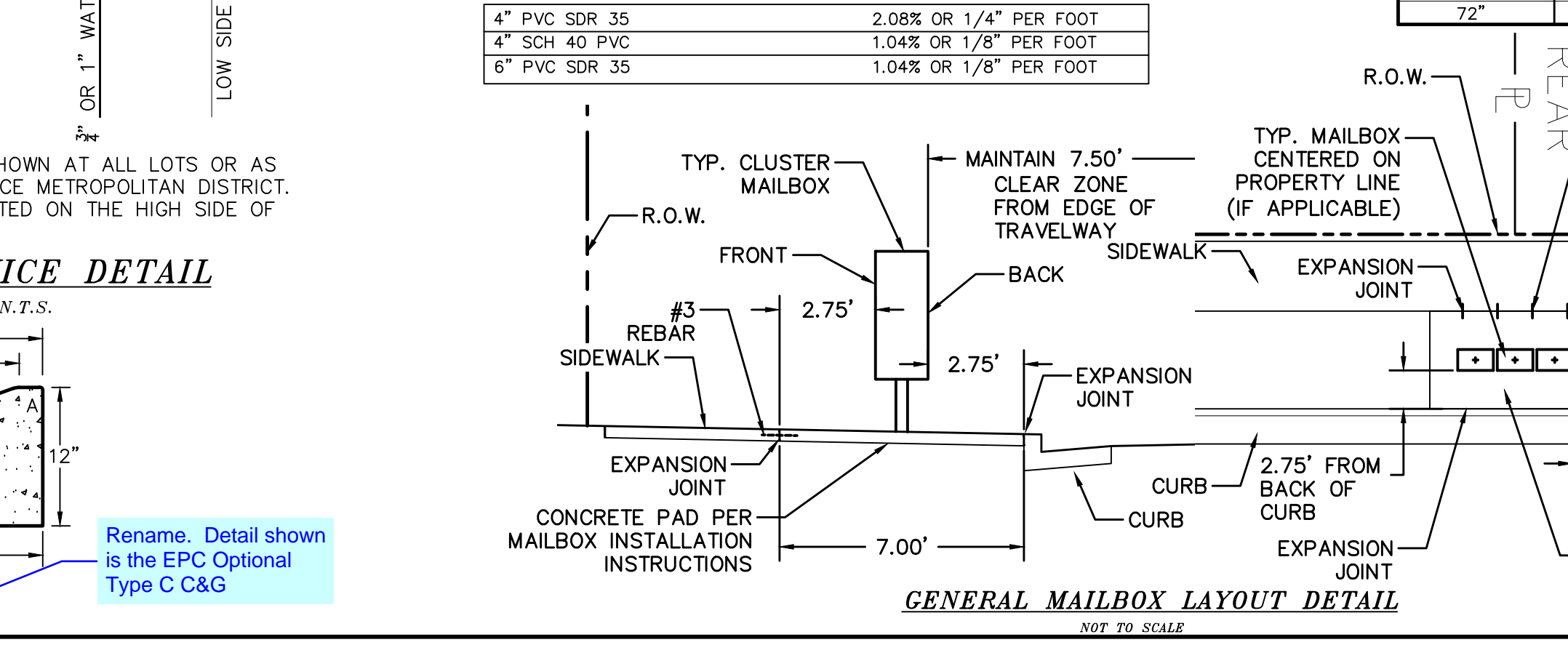
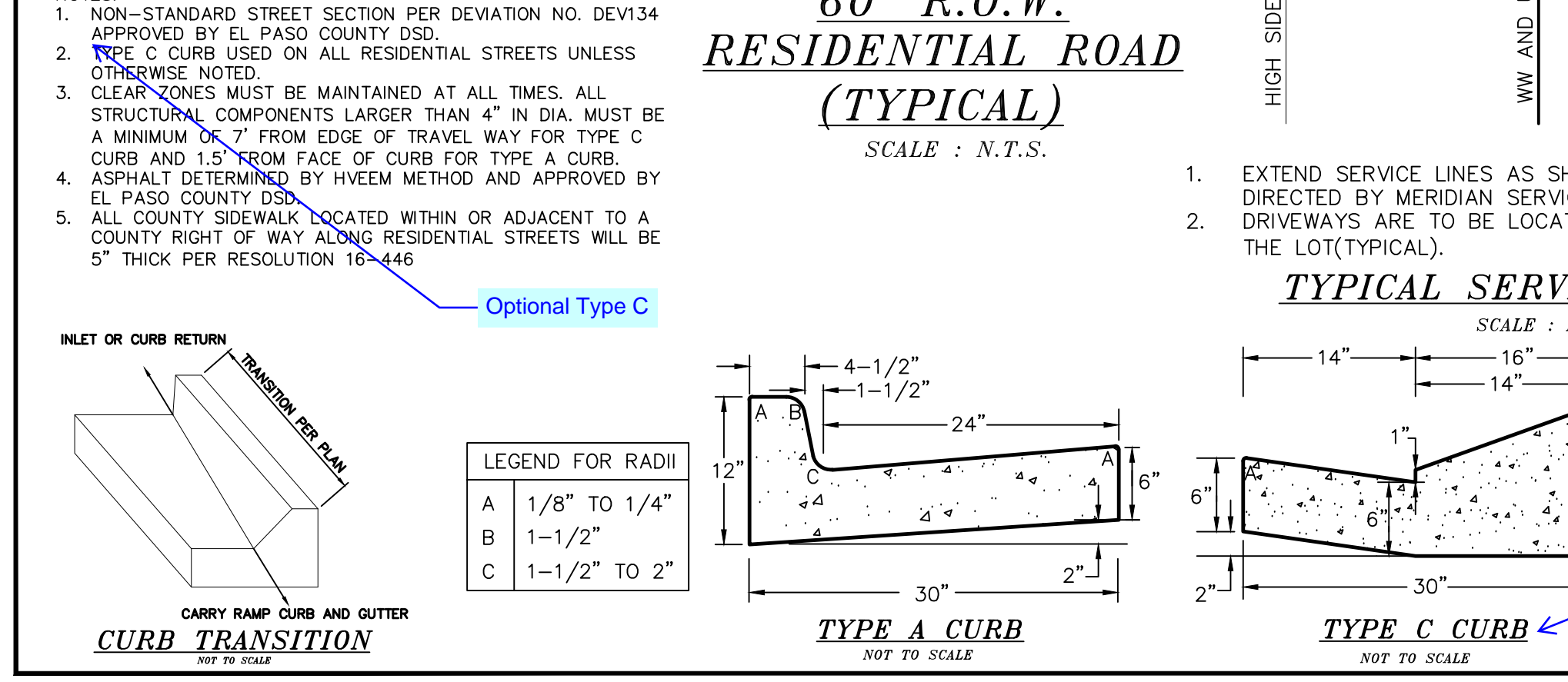


PIPE CHART

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

LEGEND

SYMBOL	ACRONYM	DESCRIPTION
[Symbol]	RCP W/FES	REINFORCED CONCRETE PIPE W/FLARED END SECTIONS
[Symbol]	INLET	STORM SEWER INLET BOX
[Symbol]	STMH	STORM SEWER MANHOLE
[Symbol]	ST	STORM SEWER LINE
[Symbol]	SS	SANITARY SEWER MAIN
[Symbol]	SSMH	SANITARY SEWER MANHOLE
[Symbol]	WM	WATER MAIN (ALL PIPES PVC, UNLESS OTHERWISE NOTED)
[Symbol]	GV	WATER GATE VALVE
[Symbol]	BV	WATER BUTTERFLY VALVE
[Symbol]	BOV	WATER BLOW-OFF VALVE
[Symbol]	HYD ASSY	FIRE HYDRANT ASSEMBLY
[Symbol]	TEE W/GV	WATER TEE W/ GATE VALVES
[Symbol]	ATT SW	ATTACHED SIDEWALK
[Symbol]		STANDARD PEDESTRIAN RAMP PER SD-2-40 & M-608-1 (SH 6 OF 6)
[Symbol]		ANODE (CATHODIC PROTECTION)
[Symbol]	TS	TEST STATION
[Symbol]	HB	HAY BALE DAM
[Symbol]	SF	SILT FENCE
[Symbol]	EXIST	EXISTING FEATURES
[Symbol]		LOT NUMBERS
[Symbol]		CROSS PAN PER SD-2-26
[Symbol]	PI	POINT OF INTERSECTION
[Symbol]	BT	BEGINNING OF TRANSITION
[Symbol]	ET	END OF TRANSITION
[Symbol]		EXISTING CONTOUR (10')
[Symbol]		EXISTING CONTOUR (2')



Drawn by LG
Checked by TAK
Date JAN 2018

Scale AS SHOWN
3 of 55

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

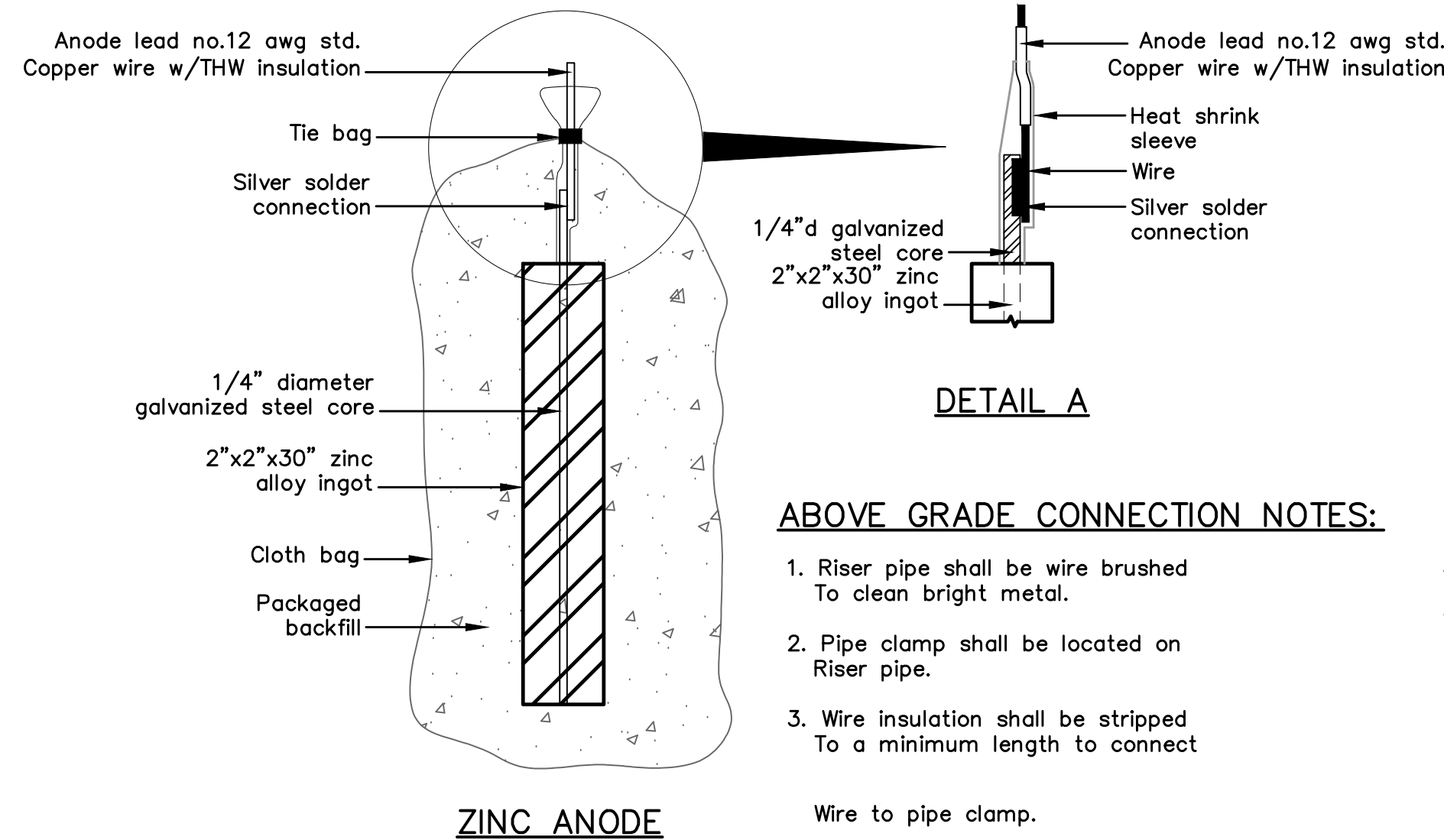
MERIDIAN RANCH

WINDINGWALK FLAT MERIDIAN RANCH
STREET AND UTILITY PLANS
DETAIL SHEET

Revisions

No.	Date	Appr.	Date

PCD PROJECT NO. XX-XX-XXX



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

ABOVE GRADE CONNECTION NOTES:

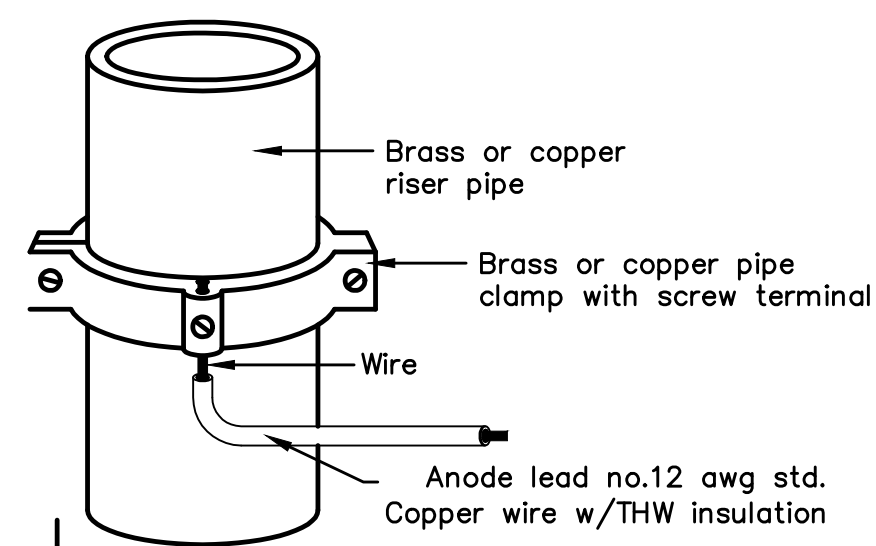
1. Riser pipe shall be wire brushed To clean bright metal.
2. Pipe clamp shall be located on Riser pipe.
3. Wire insulation shall be stripped To a minimum length to connect

Wire to pipe clamp.

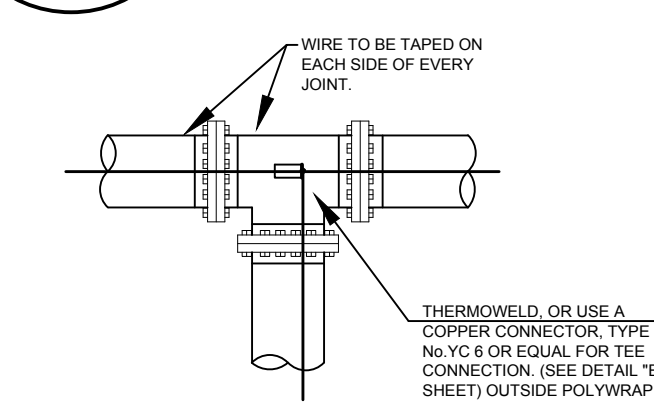
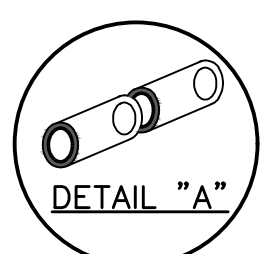
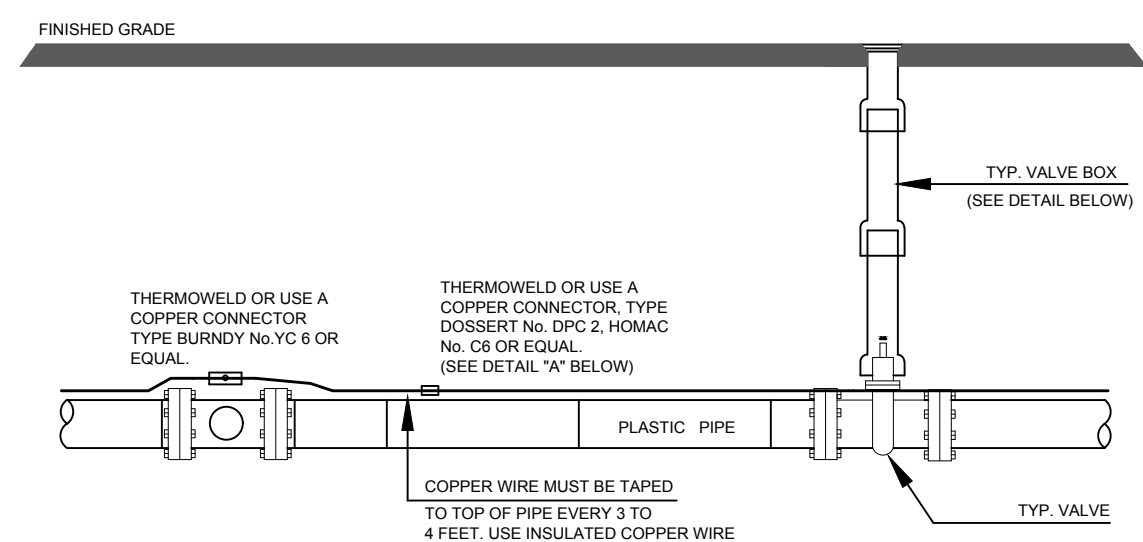
PACKAGED BACKFILL COMPOSITION:

75% gypsum
20% bentonite
5% sodium sulfate

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



ANODE LEAD ABOVE GRADE CONNECTION



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:

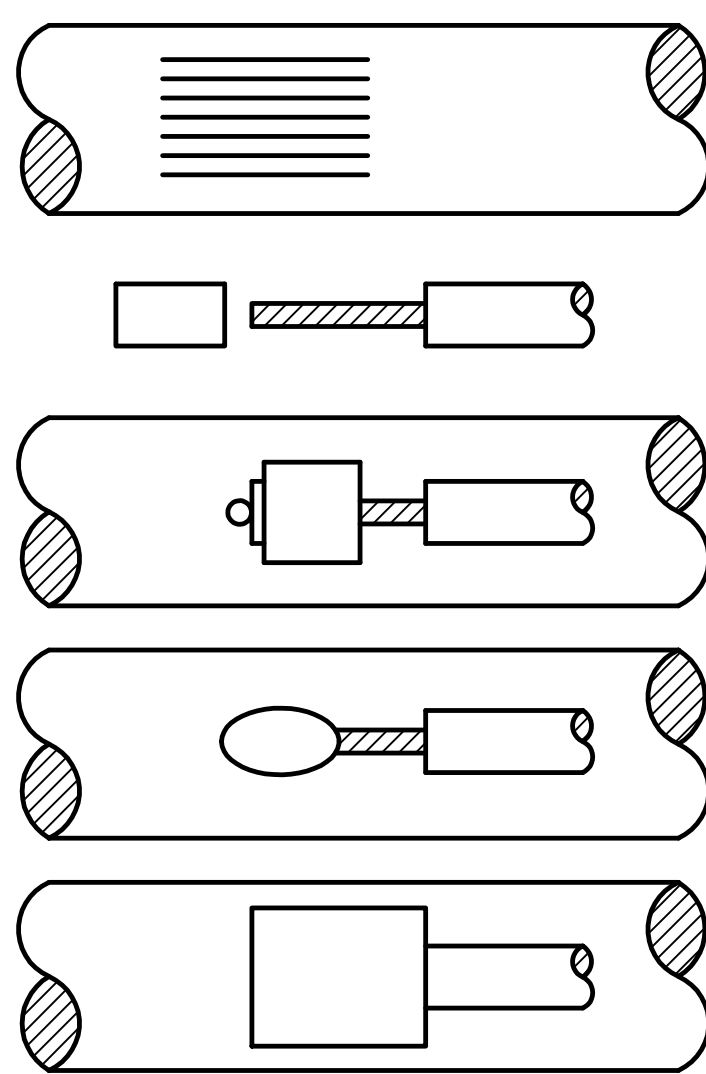
PLACE TUBE OF POLYETHYLENE MATERIAL ON PIPE PRIOR TO LOWERING IT INTO TRENCH.

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.



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

Anode Design

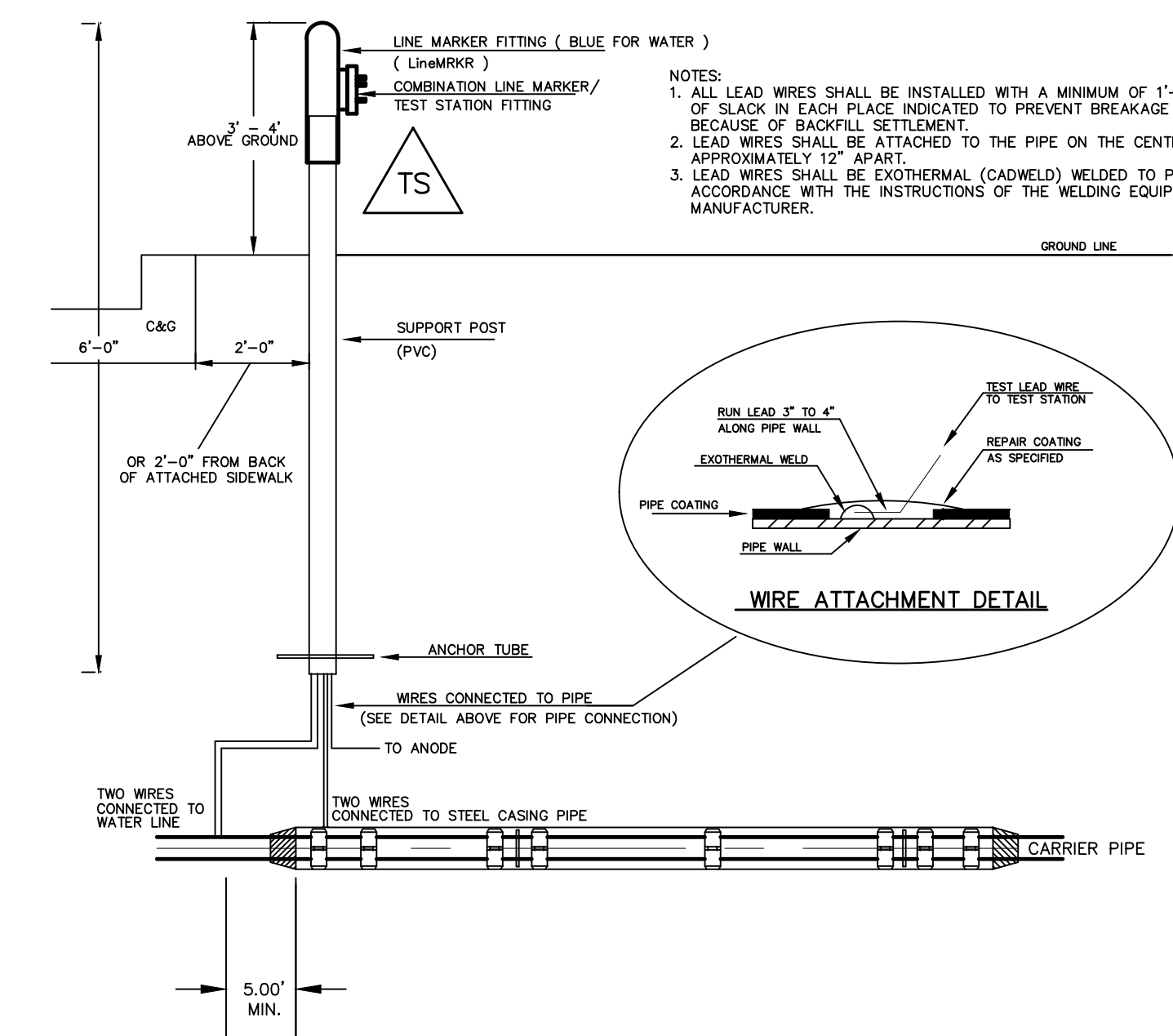
For use with DIP in conjunction with poly-wrap sleeves and piping in 1000 ohm-cm soil estimating a 5% holiday area.

Pipe Size Inches	Actual OD Inches	Anode Spacing Feet	Anode (see note 2)
4	4.8	76.3	17 lb
6	6.9	53.1	17 lb
8	9.05	40.5	17 lb
12	13.20	27.7	17 lb
16	16	21.0	32 lb
20	20	16.9	32 lb
24	24	14.2	48 lb
30	30	11.4	48 lb
36	36	9.57	48 lb
42	42	8.24	48 lb
48	48	7.21	48 lb
54	54	6.42	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.
3. Packaged anode to be wetted and covered with soil prior to backfilling.



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.	Date

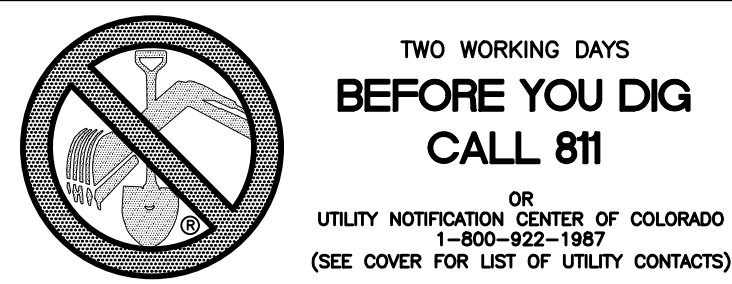
TECH CONTRACTORS
11886 STAPLETON DRIVE
FALCON, CO 80831
TELEPHONE: 719.495.7444
FAX: 719.495.2457



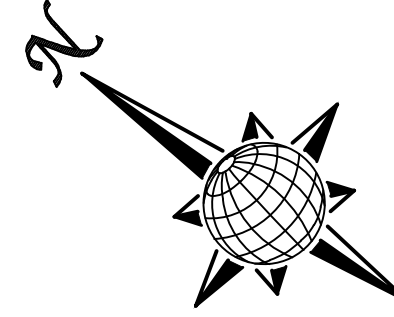
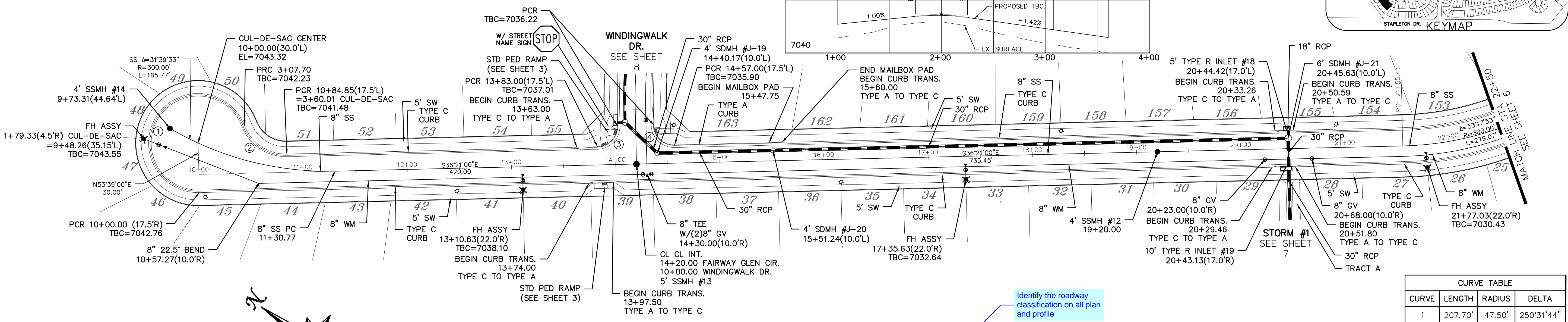
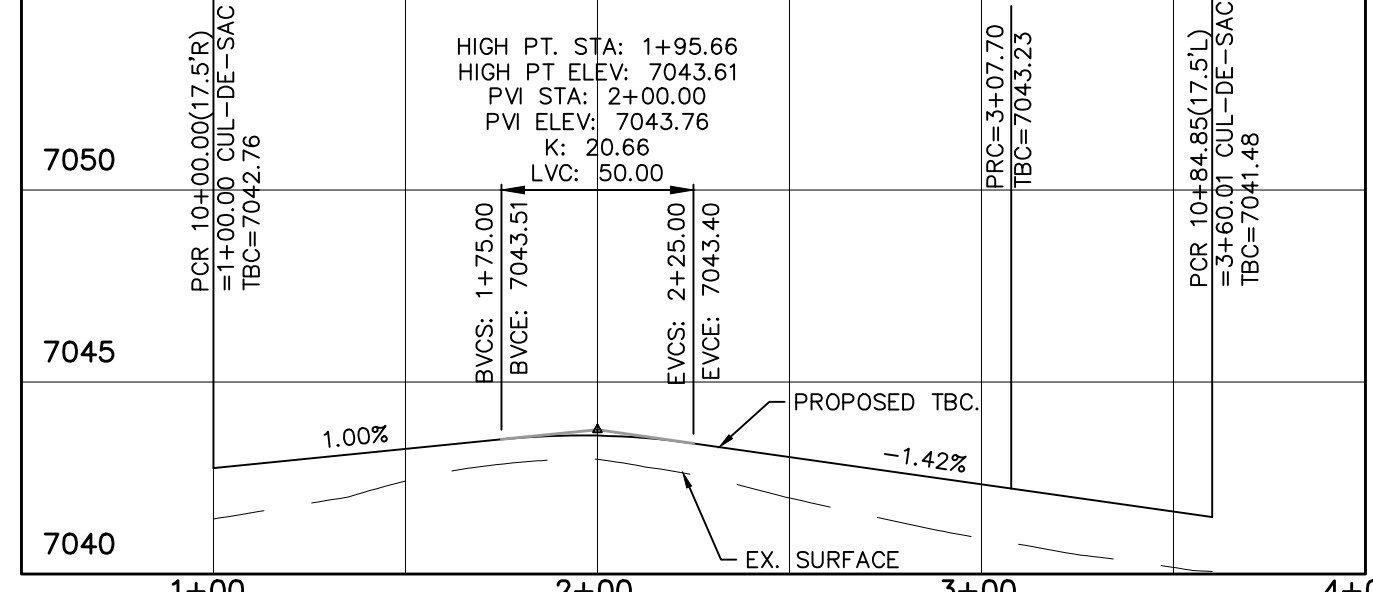
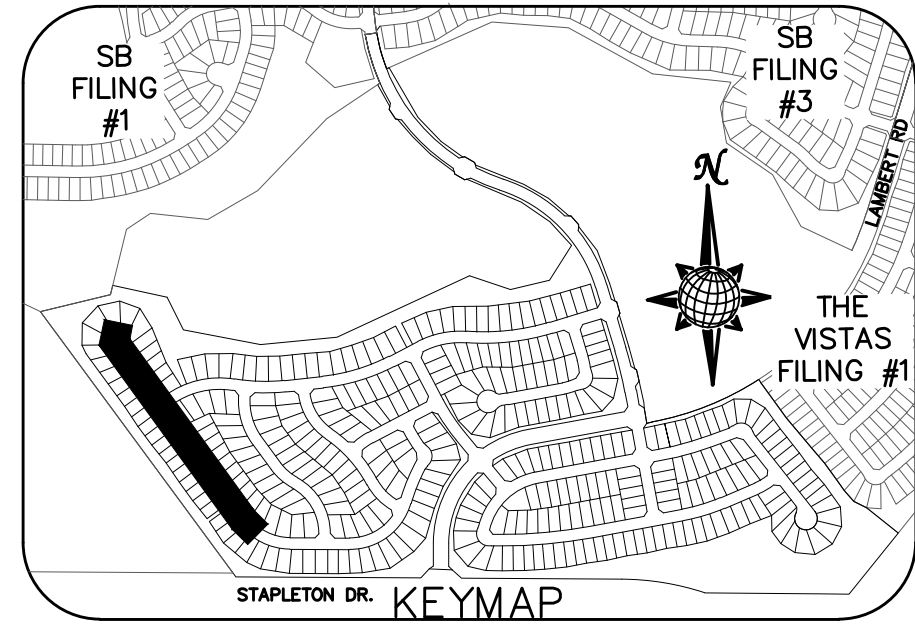
WINDINGWALK FLAT MERIDIAN RANCH
STREET AND UTILITY PLANS
DETAIL SHEET

Drawn by LCA
Checked by TAK
Date JAN 2008

Scale AS SHOWN
4 of 55

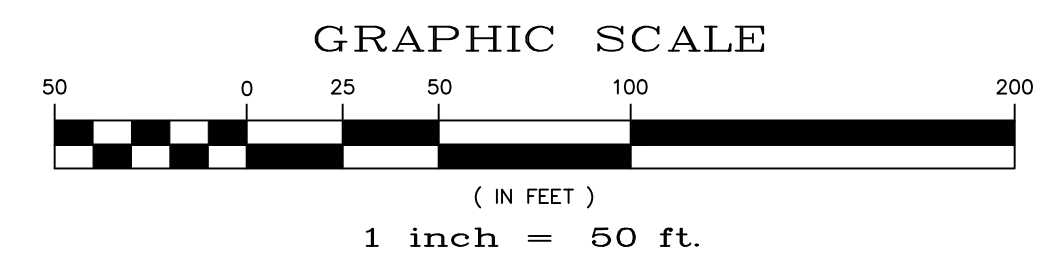


FAIRWAY GLEN CIR.
CUL-DE-SAC
(ALL GRADES ARE TBC)



FAIRWAY GLEN CIR.

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



CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
1	207.70'	47.50'	250°31'44"
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.)

No.	Revisions	Date	Appr.	Date

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

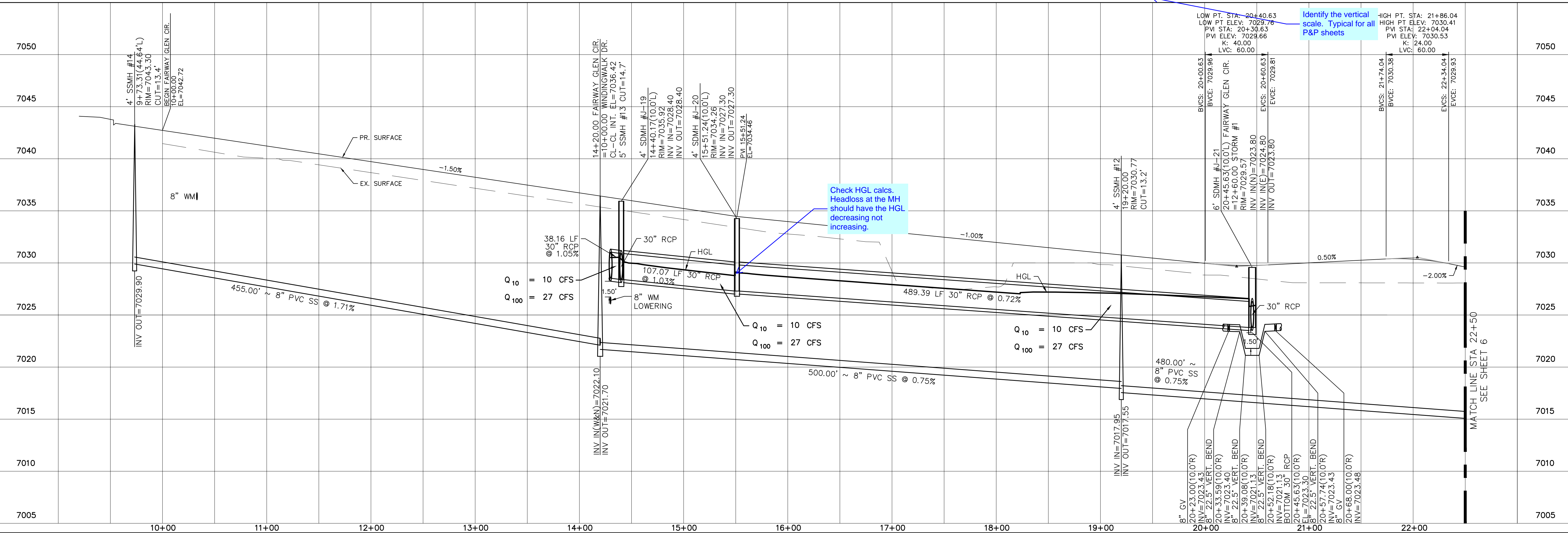


WINDINGWALK FLAT MERIDIAN RANCH
STREET AND UTILITY PLANS
FAIRWAY GLEN CIR.

Drawn by
Checked by
Date

Scale
AS SHOWN
5 of 55

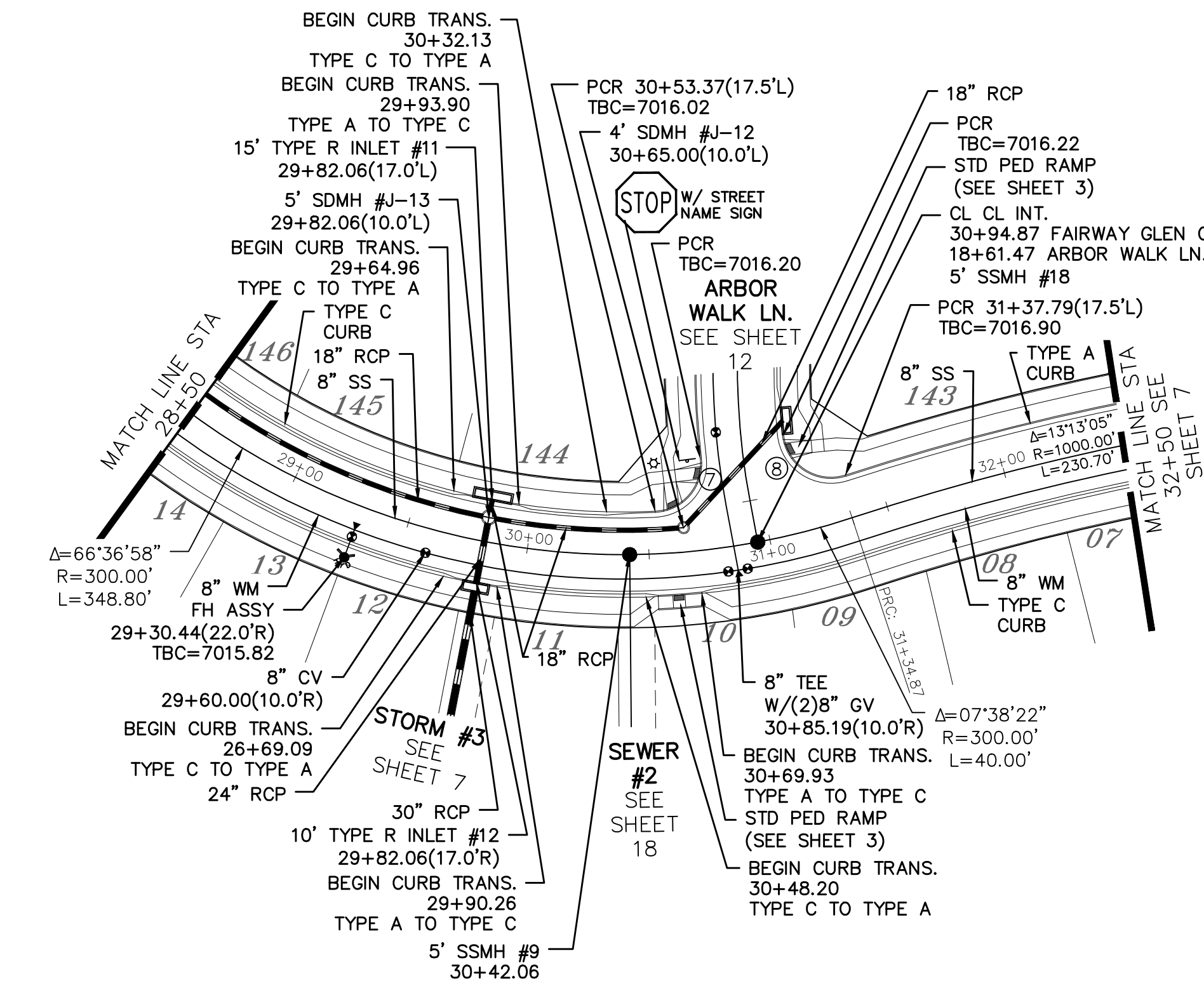
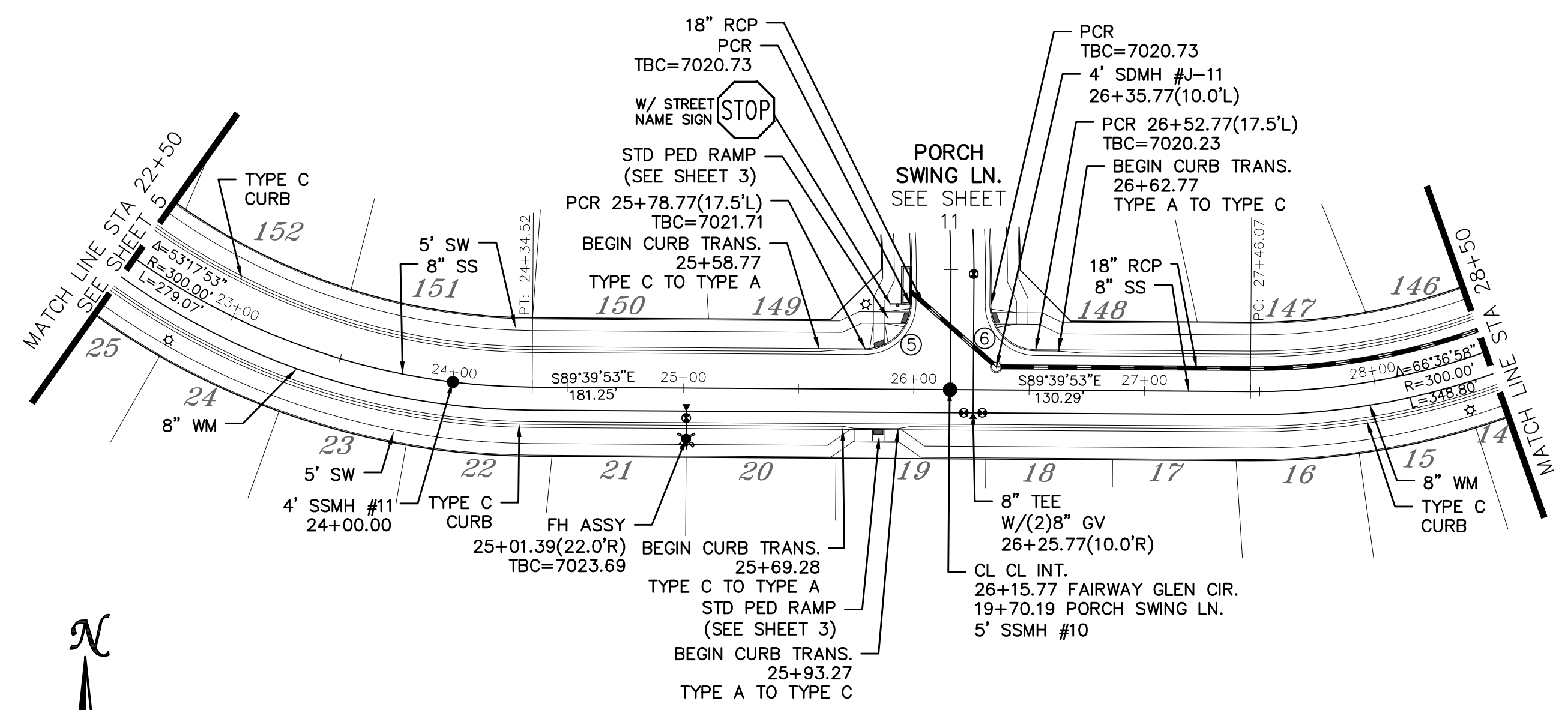
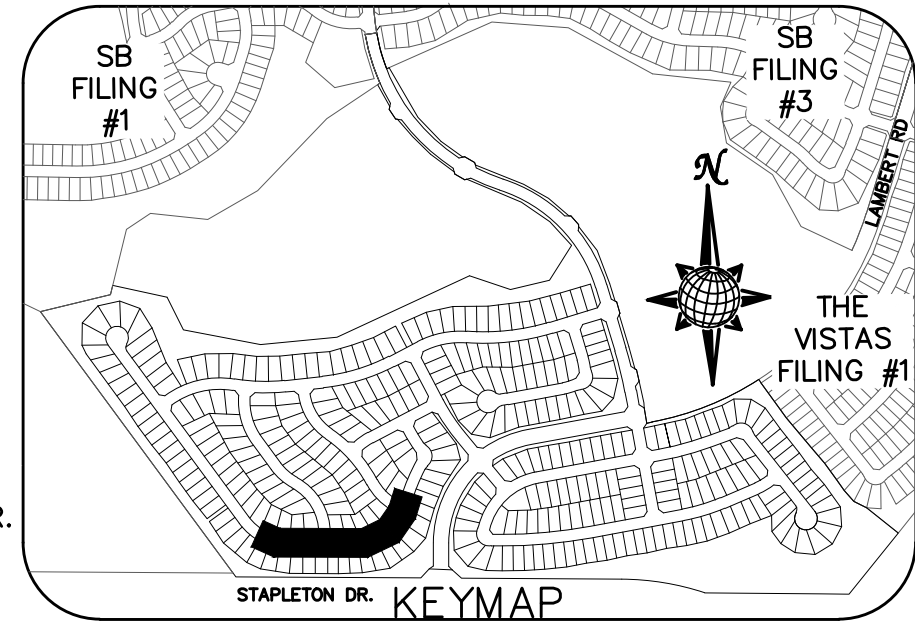
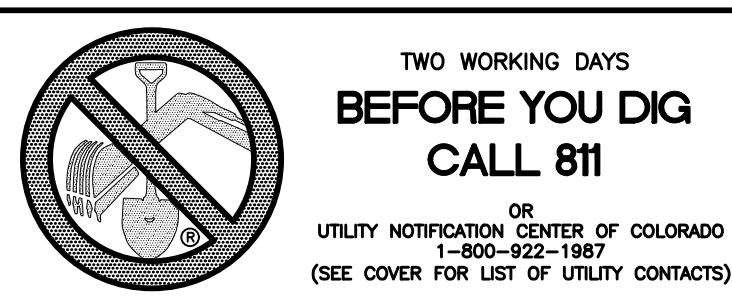
JAN 2018



Check HGL calcs. Headloss at the MH should have the HGL decreasing not increasing.

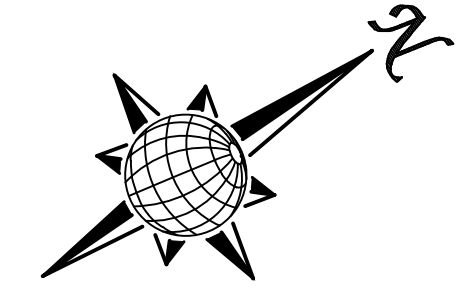
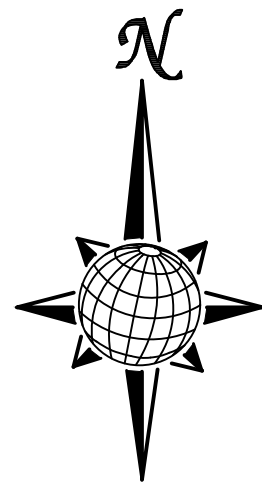
Identify the vertical scale. Typical for all P&P sheets

Identify the roadway classification on all plan and profile



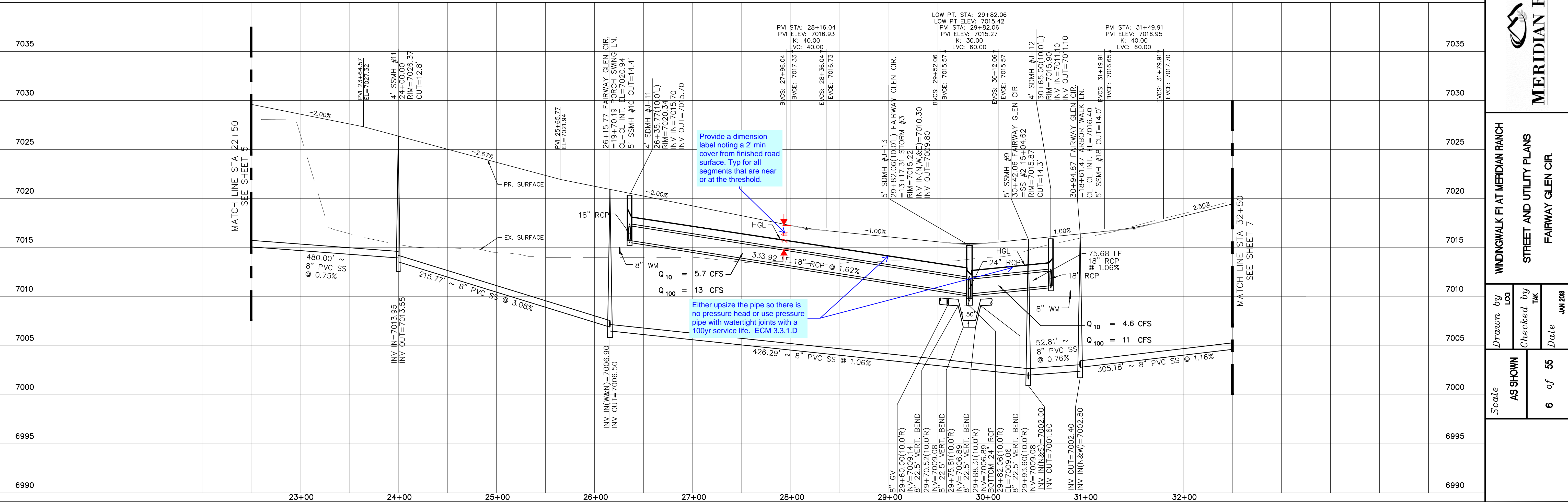
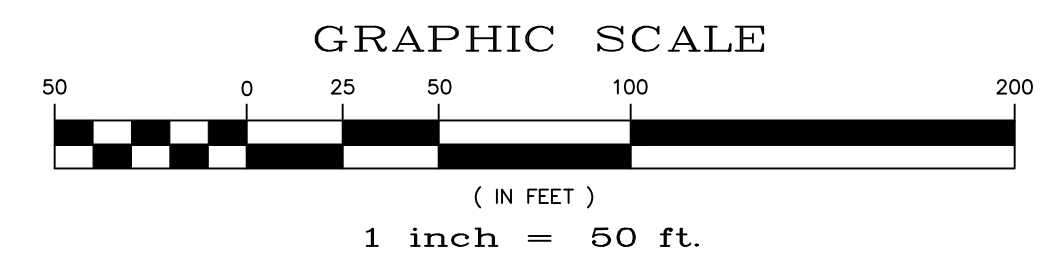
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
5	30.63'	19.50'	90°00'00"
6	30.63'	19.50'	90°00'00"
7	32.04'	19.50'	94°08'36"
8	34.84'	19.50'	102°22'10"

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



FAIRWAY GLEN CIR.

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



Provide a dimension label noting a 2' min cover from finished road surface. Typ for all segments that are near or at the threshold.

Either upsize the pipe so there is no pressure head or use pressure pipe with watertight joints with a 100yr service life. ECM 3.3.1.D

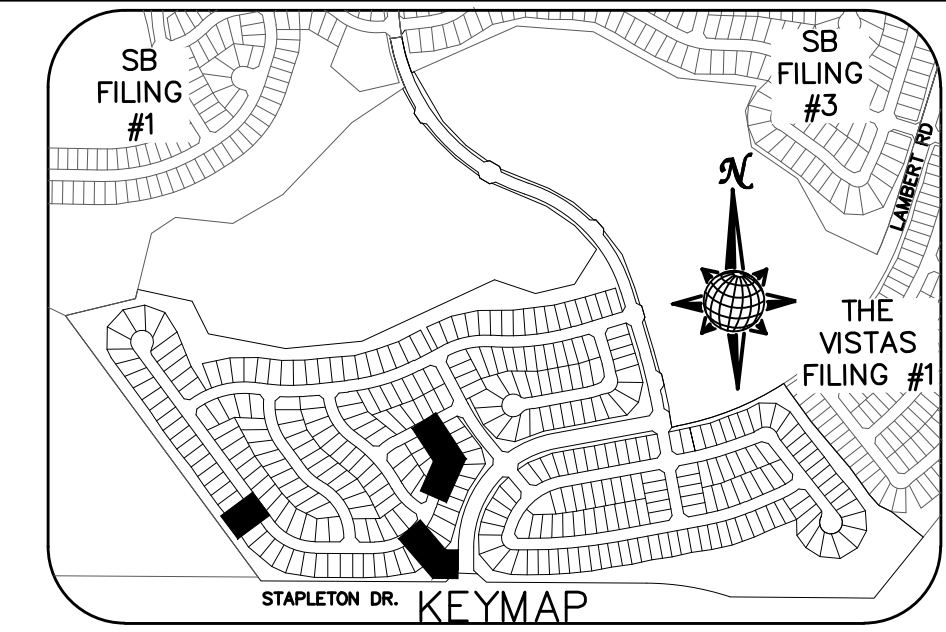
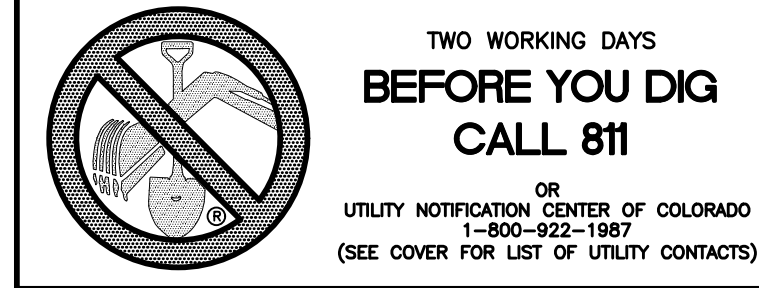
Date		Date		Date	
Appr.		Invt.		Date	
No.		Revisions		No.	
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
 MERIDIAN RANCH					
WINDINGWALK FLAT MERIDIAN RANCH STREET AND UTILITY PLANS FAIRWAY GLEN CIR.					
Scale	AS SHOWN	Drawn by	LOG	Checked by	TAK
	6 of 55			Date	JUN 2018

INSTALL CROSS PAN
PER COUNTY STD
SD-2-26

- = 7024.32
- = 7024.15
- = 7023.98

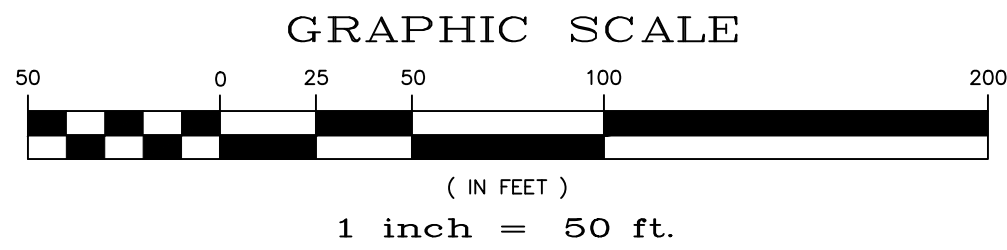
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
9	28.94'	67.50'	24°34'04"
10	102.28'	52.50'	111°37'30"
11	29.34'	67.50'	24°54'28"
12	39.90'	34.50'	66°15'27"
13	30.63'	19.50'	90°00'00"
14	30.63'	19.50'	90°00'00"

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



FAIRWAY GLEN CIR.

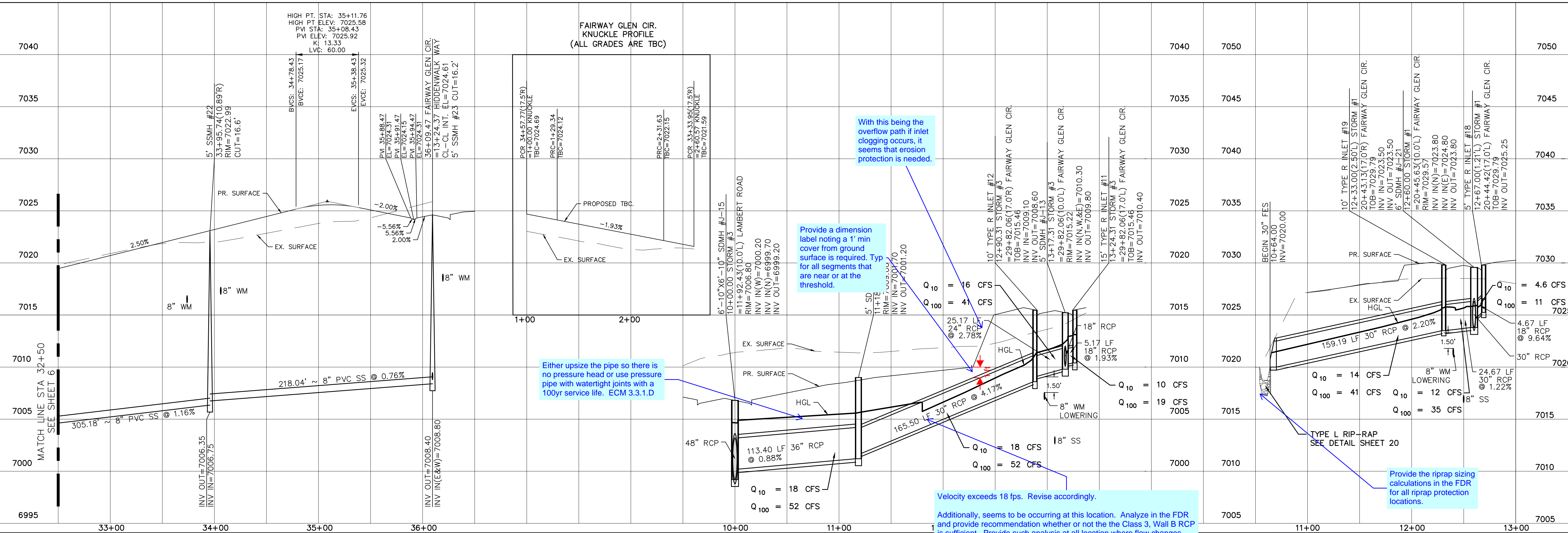
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



STORM #3



STORM #1



Either upsize the pipe so there is no pressure head or use pressure pipe with watertight joints with a 100yr service life. ECM 3.3.1.D

Provide a dimension label noting a 1' min cover from ground surface is required. Typ for all segments that are near or at the threshold.

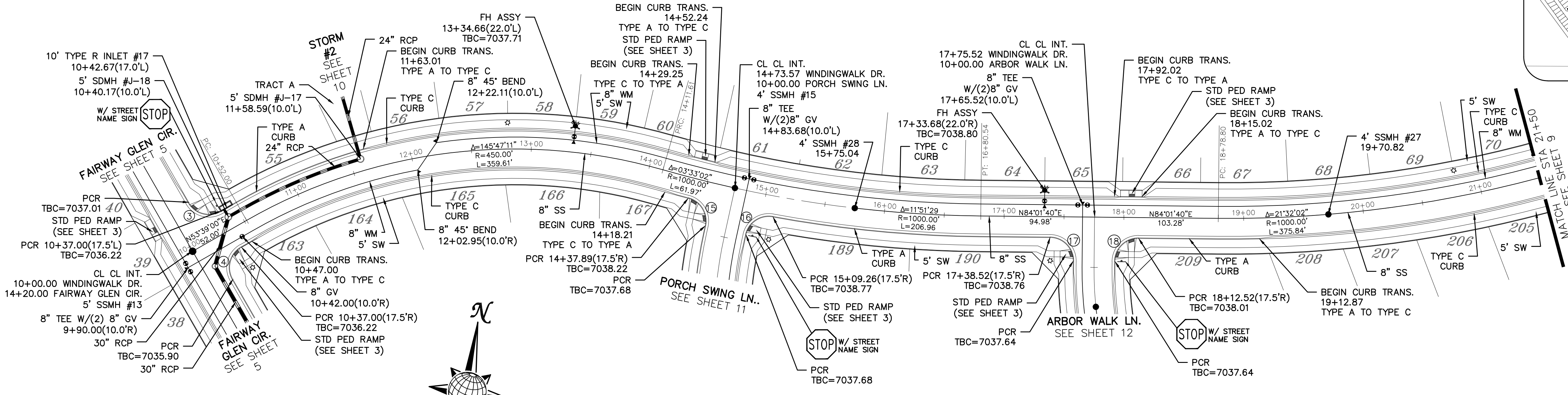
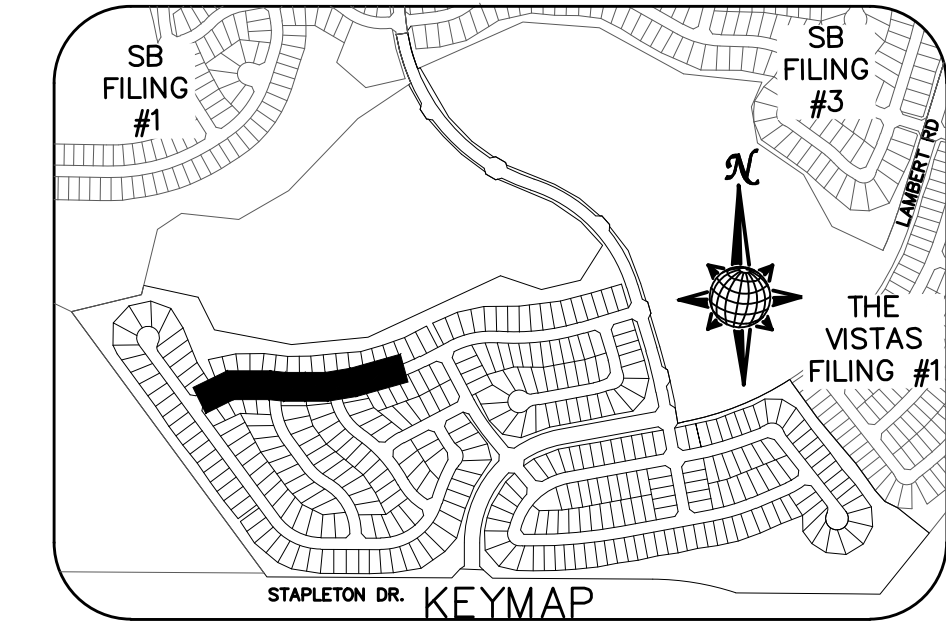
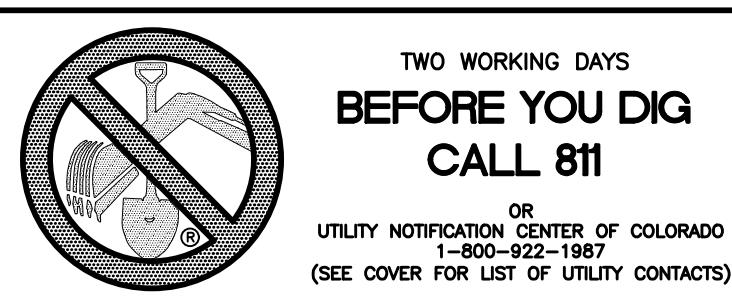
With this being the overflow path if inlet clogging occurs, it seems that erosion protection is needed.

Velocity exceeds 18 fps. Revise accordingly.

Additionally, seems to be occurring at this location. Analyze in the FDR and provide recommendation whether or not the Class 3, Wall B RCP is sufficient. Provide such analysis at all location where flow changes from supercritical to subcritical.

Provide the riprap sizing calculations in the FDR for all riprap protection locations.

Scale	AS SHOWN	7 of 55	Date	JAN 2018
Drawn by	LOG	Checked by	TAK	
WINDINGWALK FLAT MERIDIAN RANCH STREET AND UTILITY PLANS FAIRWAY GLEN CIR. + STORM #1 + STORM #3				
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457				
No.	Revisions	Date	Appr.	Date

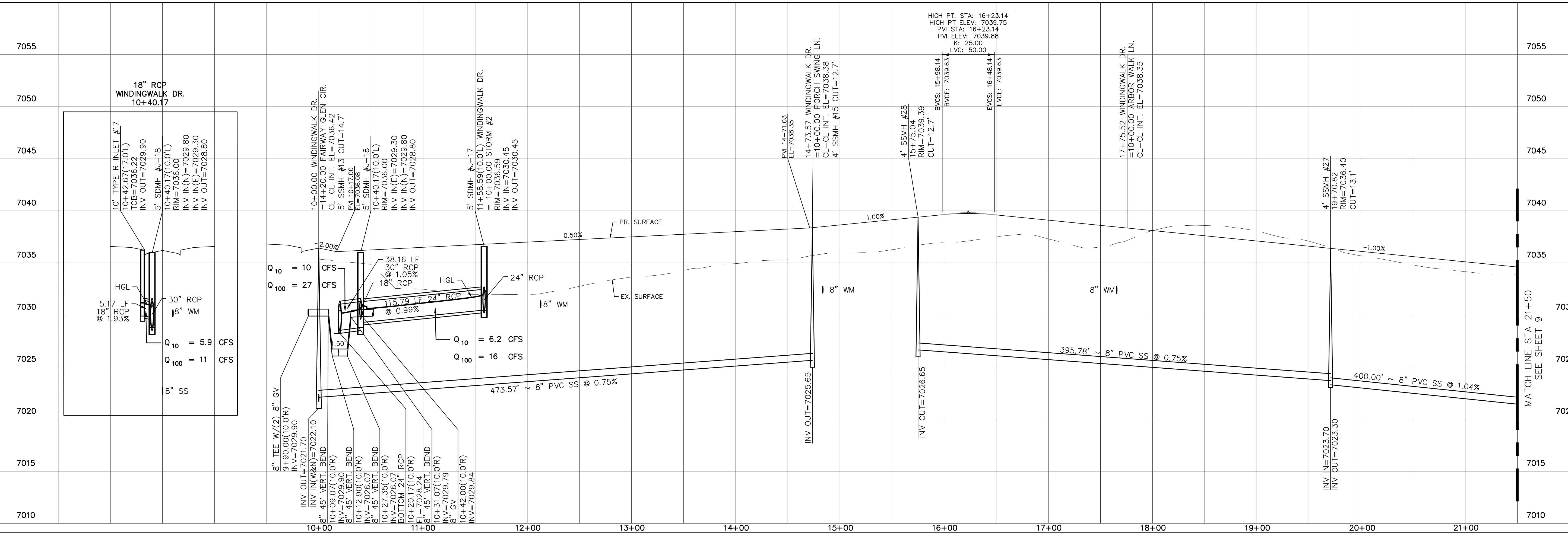
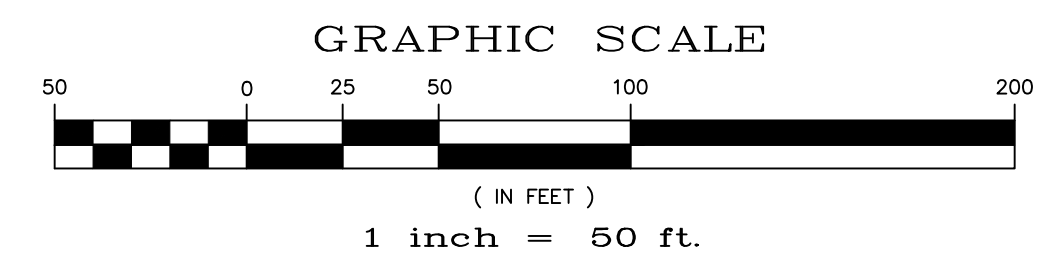


CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
3	30.63'	19.50'	90°00'00"
4	30.63'	19.50'	90°00'00"
15	29.93'	19.50'	87°57'19"
16	29.93'	19.50'	87°57'19"
17	30.63'	19.50'	90°00'00"
18	30.63'	19.50'	90°00'00"

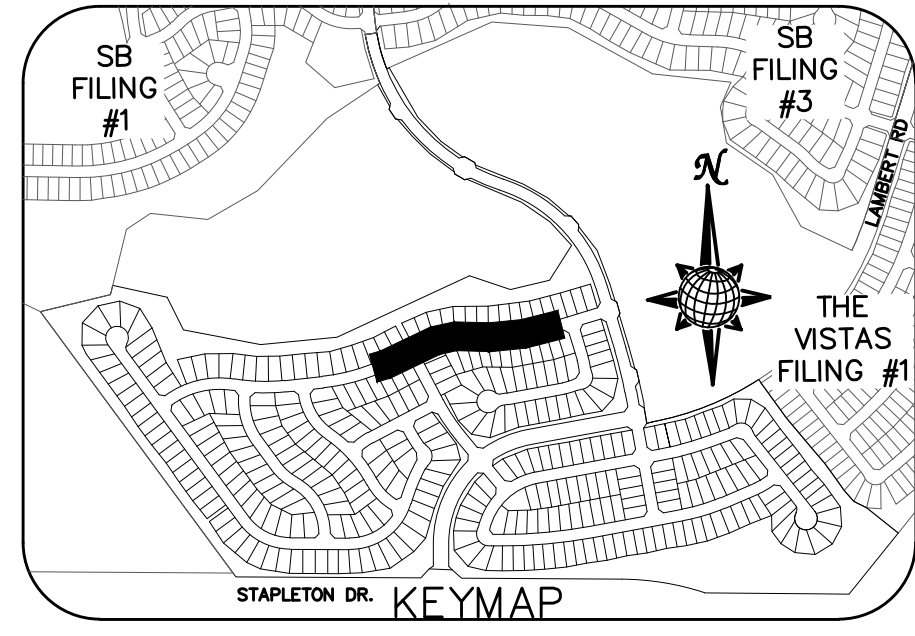
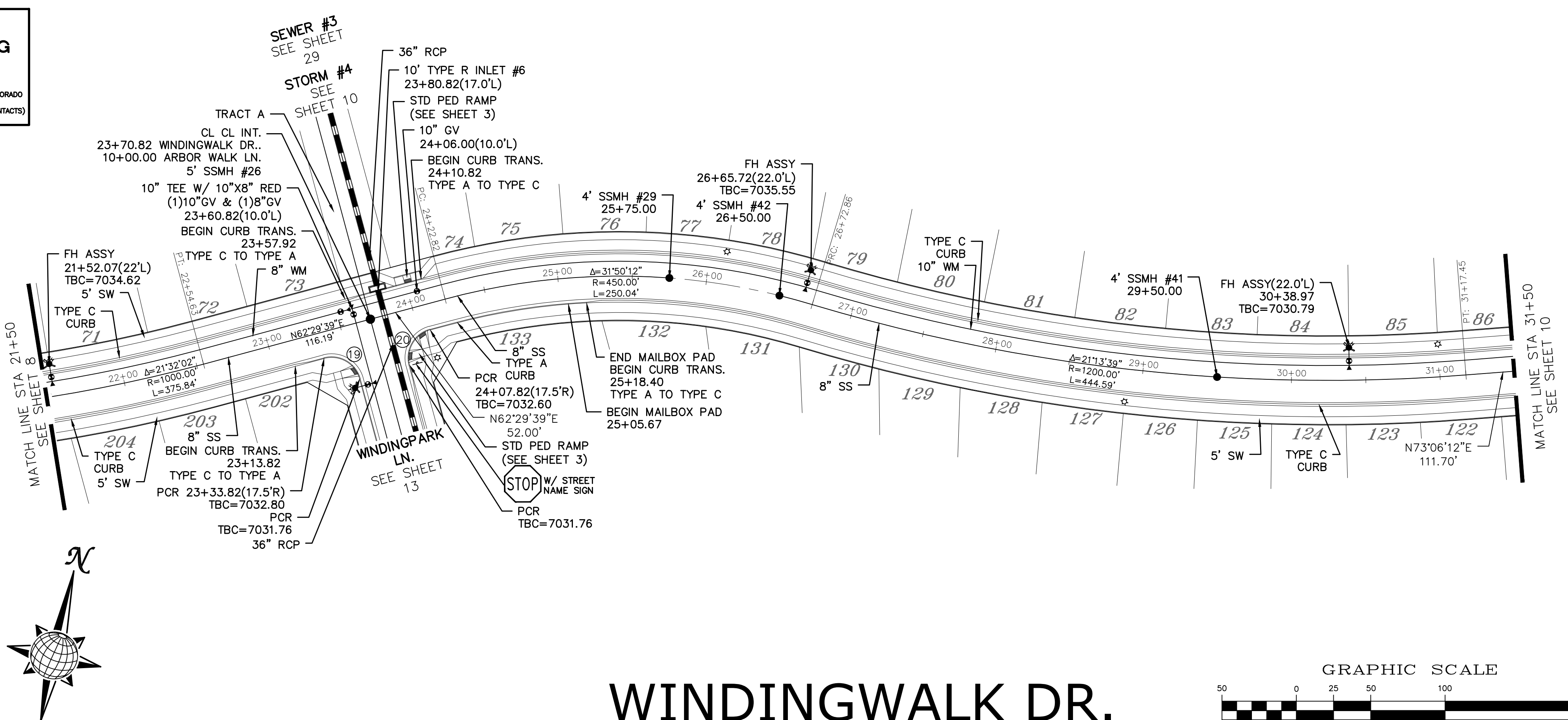
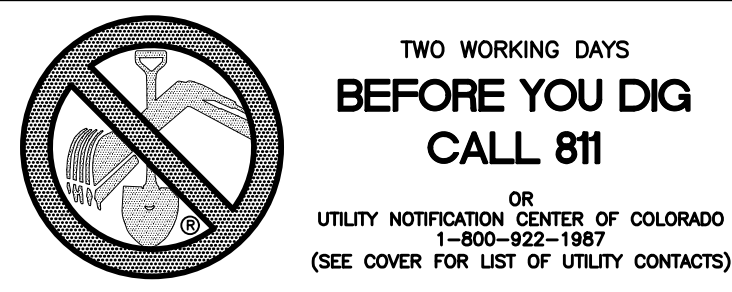
ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)

WINDINGWALK DR.

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				
MERIDIAN RANCH				
WINDINGWALK FLAT MERIDIAN RANCH STREET AND UTILITY PLANS WINDINGWALK DR.				
Scale	Drawn by	Checked by	Date	
AS SHOWN				
8 of 55				
MATCH LINE STA 21+50 SEE SHEET 9				



CURVE TABLE

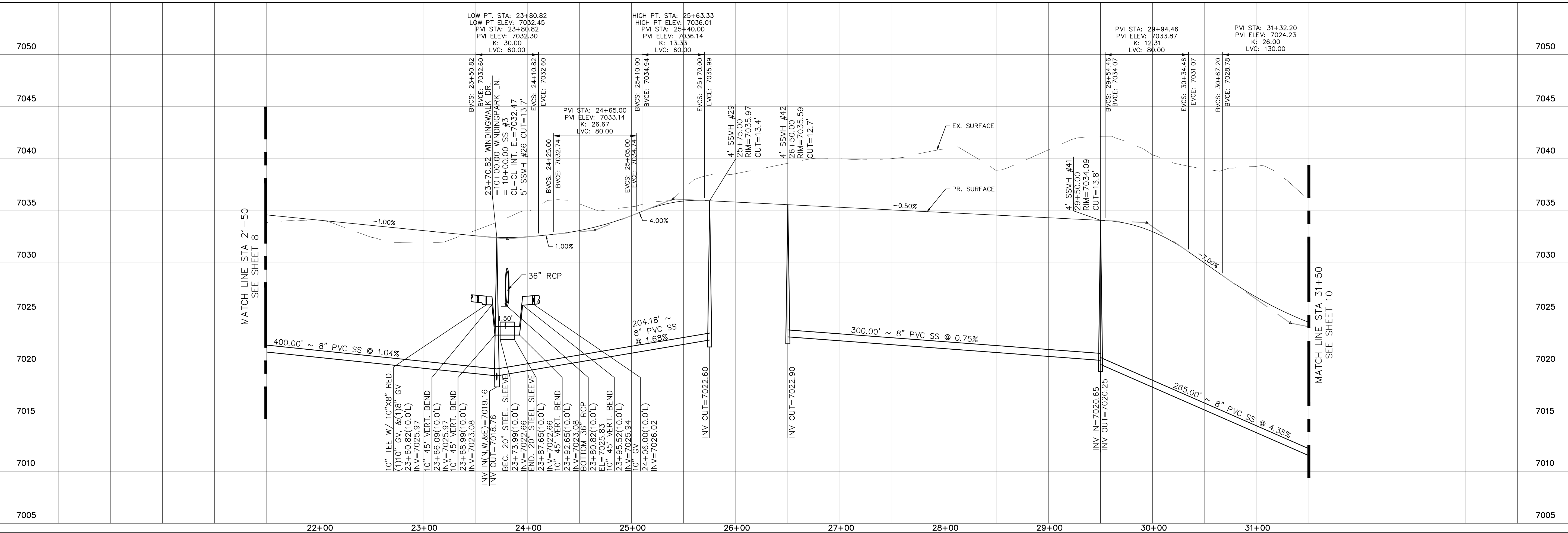
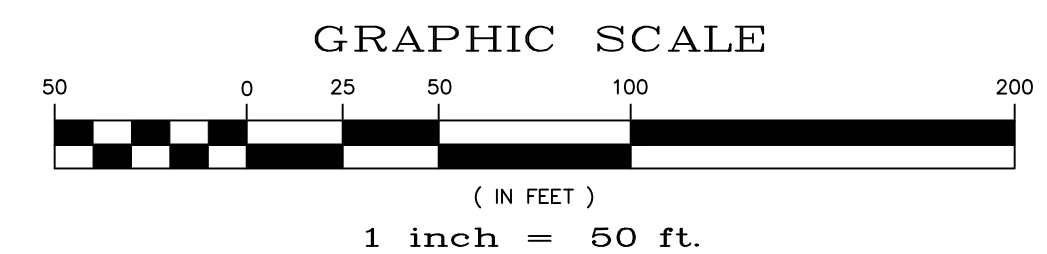
CURVE	LENGTH	RADIUS	DELTA
19	30.63'	19.50'	90°00'00"
20	30.63'	19.50'	90°00'00"

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



WINDINGWALK DR.

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



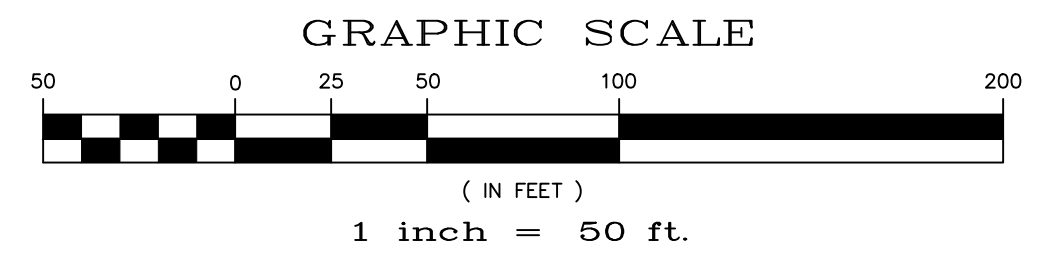
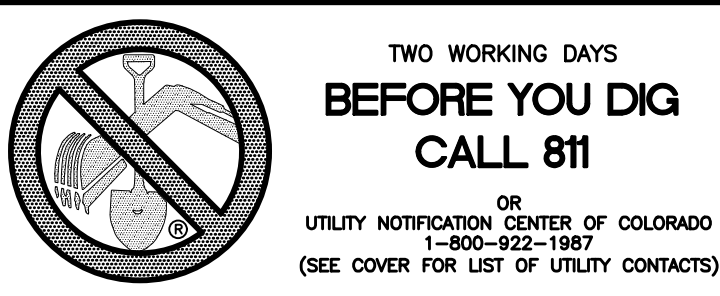
No.	Revisions	Date	Instr.	Appr.	Date

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

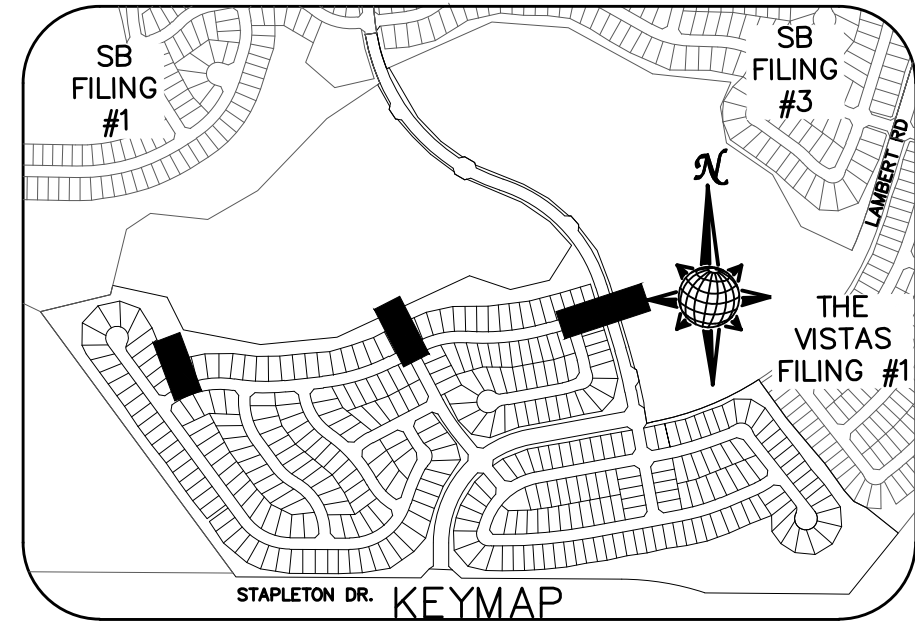
Scale	AS SHOWN
	9 of 55
Drawn by	LOG
Checked by	TAK
Date	JUN 2018

WINDINGWALK FLAT MERIDIAN RANCH	
STREET AND UTILITY PLANS	
WINDINGWALK DR.	

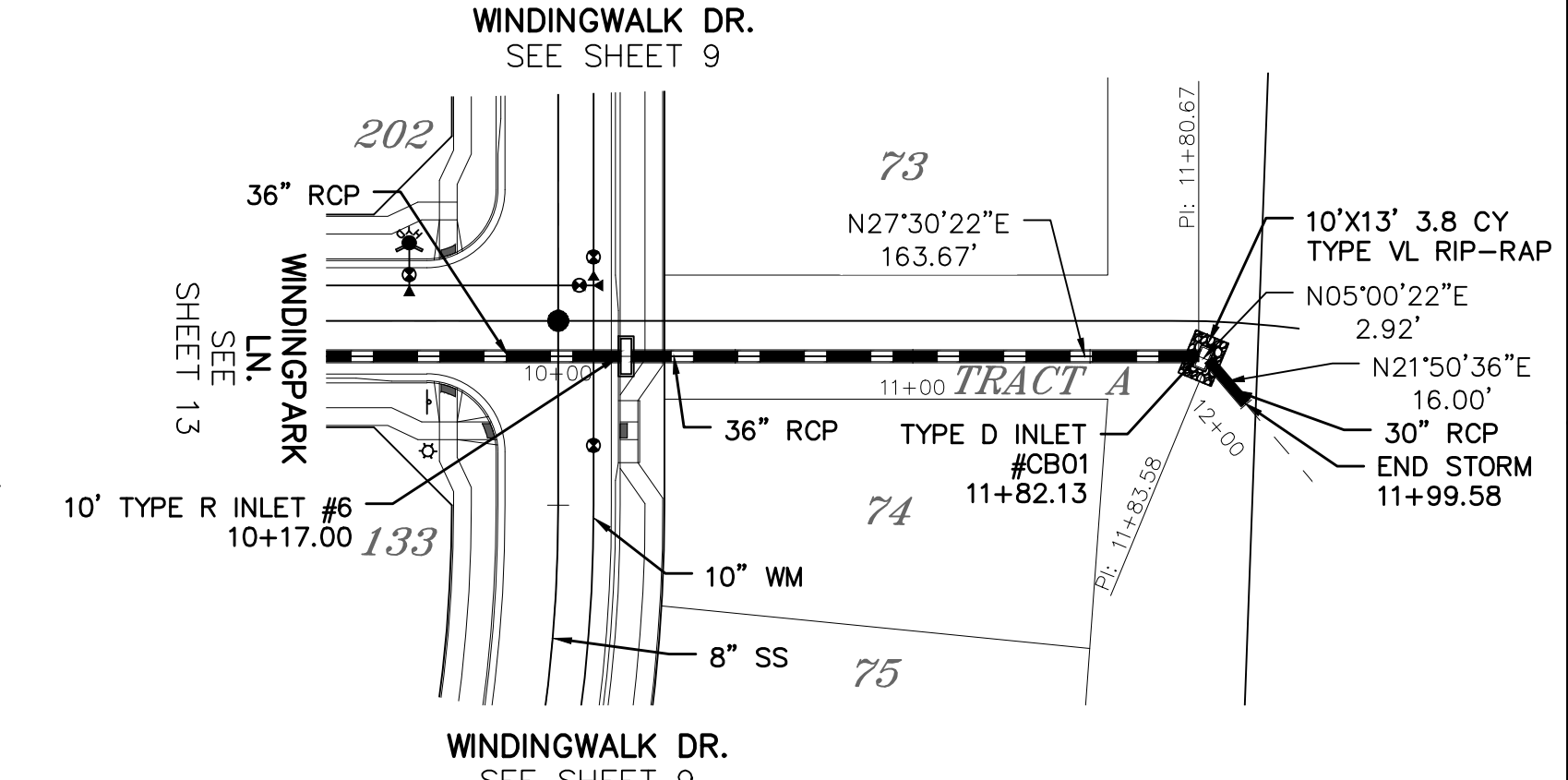
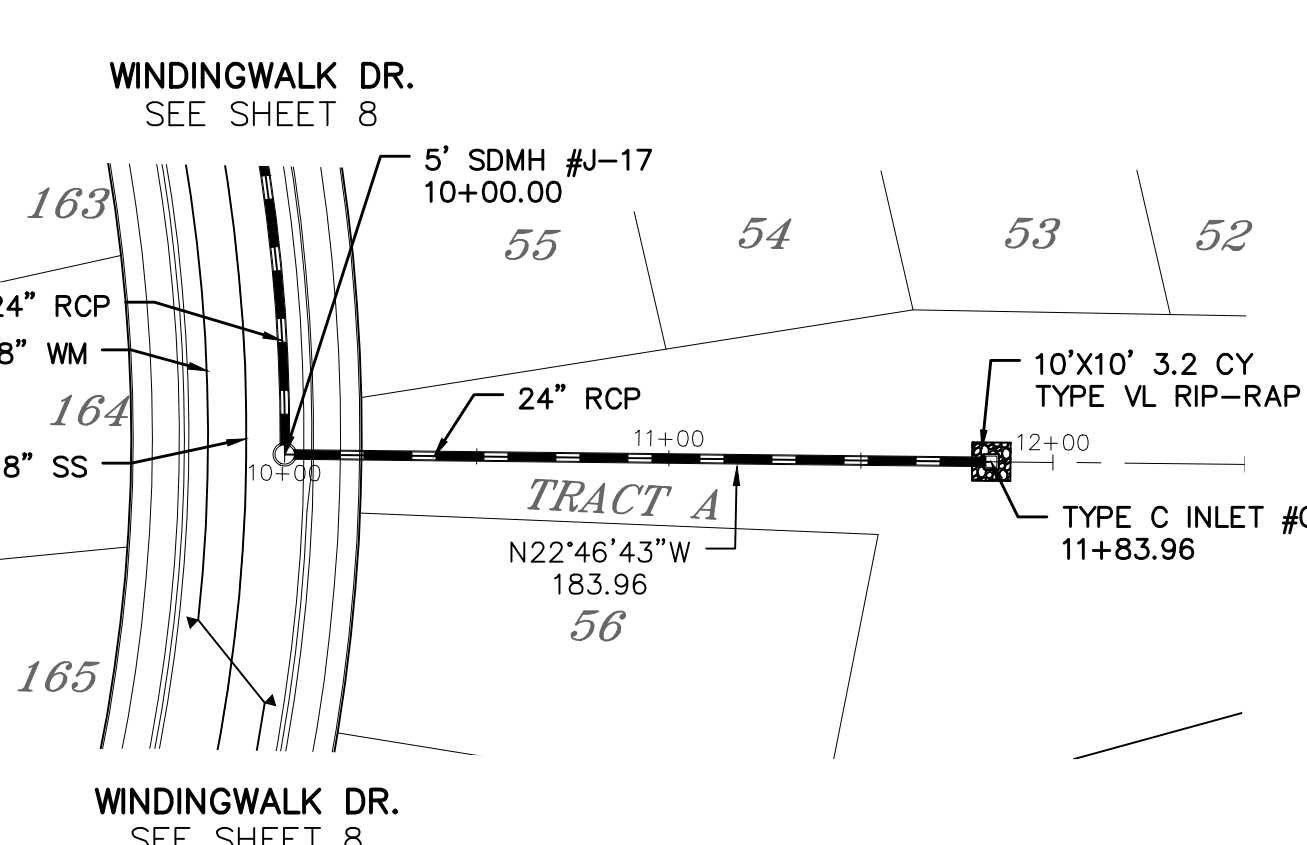
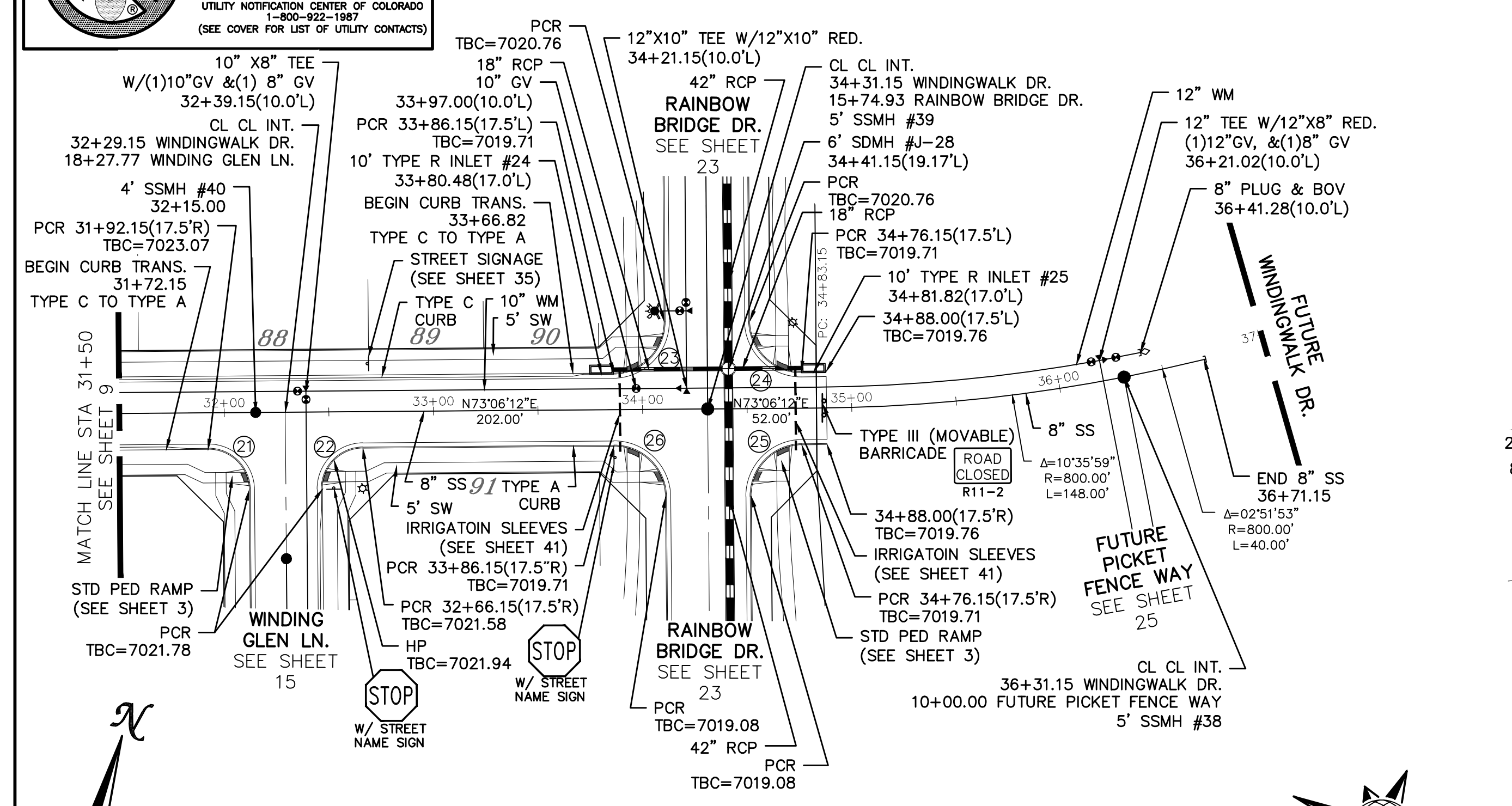
MERIDIAN RANCH	
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CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
21	30.63'	19.50'	90°00'00"
22	30.63'	19.50'	90°00'00"
23	38.48'	24.50'	90°00'00"
24	38.48'	24.50'	90°00'00"
25	38.48'	24.50'	90°00'00"
26	38.48'	24.50'	90°00'00"



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

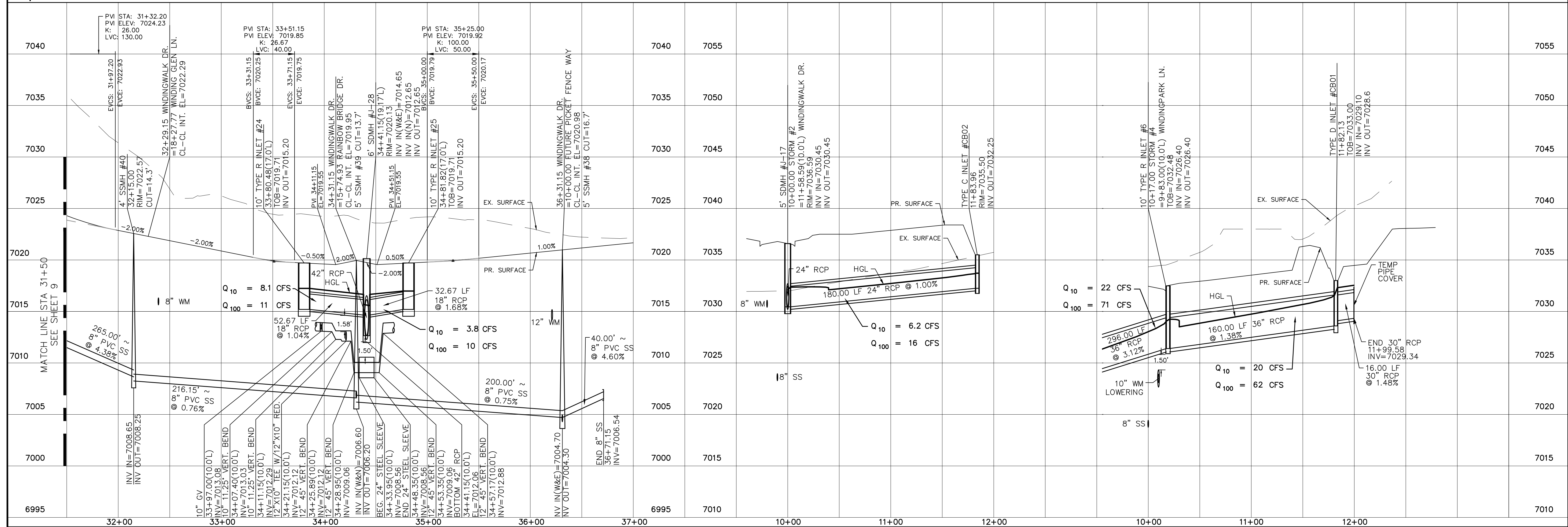


WINDINGWALK DR.

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

STORM #2

STORM #4



Date	Appr.	Date	Instr.	Date	Revisions	No.

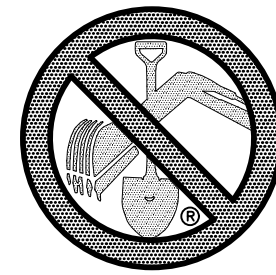
TECH CONTRACTORS
11886 STAPLETON DRIVE
FALCON, CO 80831
TELEPHONE: 719.495.7444
FAX: 719.495.2457



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

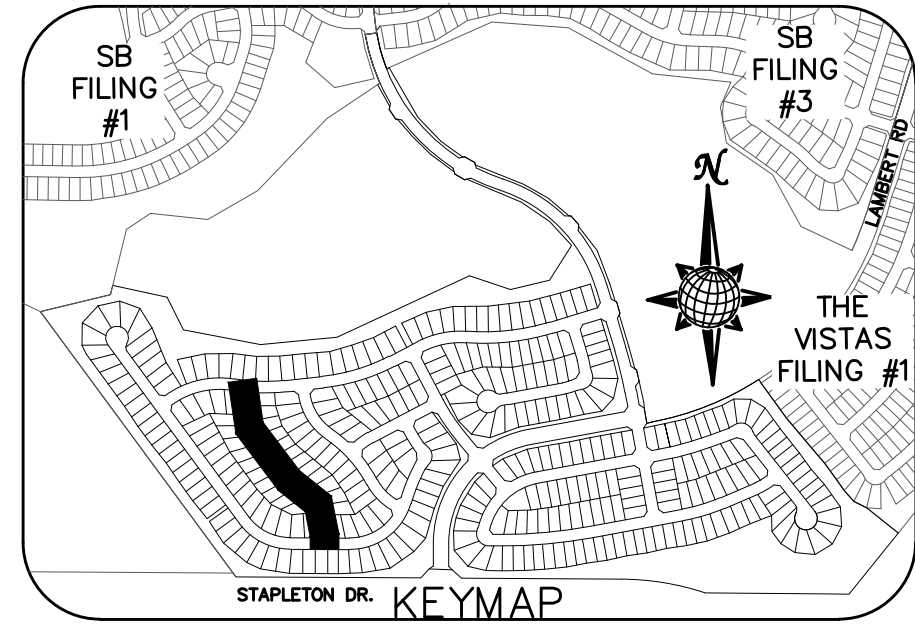
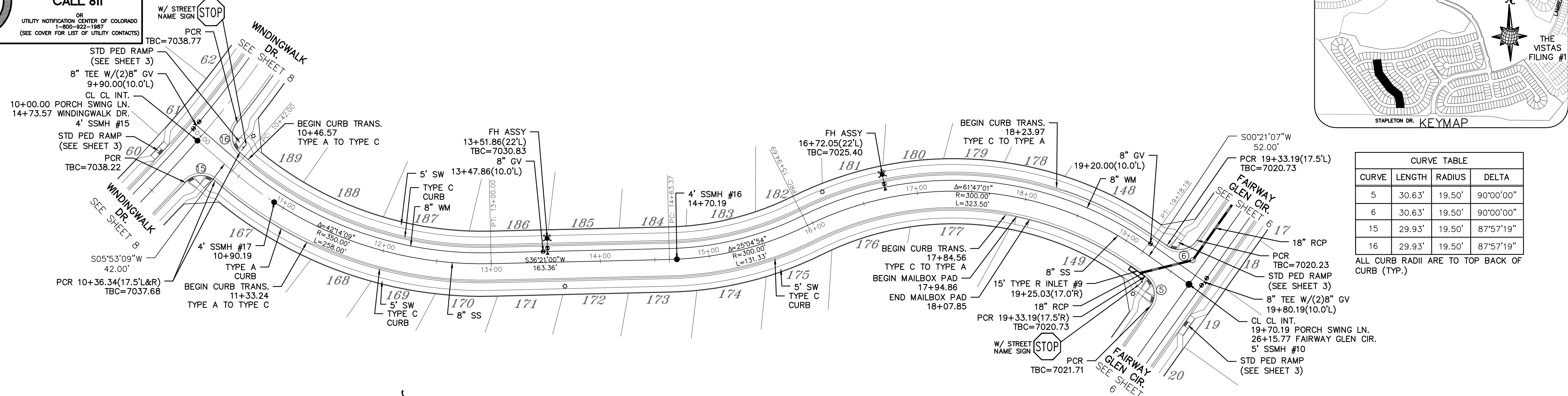
Drawn by	LOG
Checked by	TAK
Date	JAN 2018

Scale
AS SHOWN
10 of 55



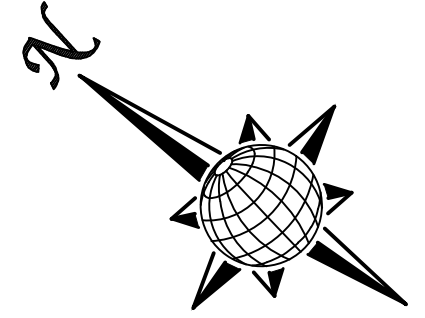
TWO WORKING DAYS
**BEFORE YOU DIG
CALL 811**

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



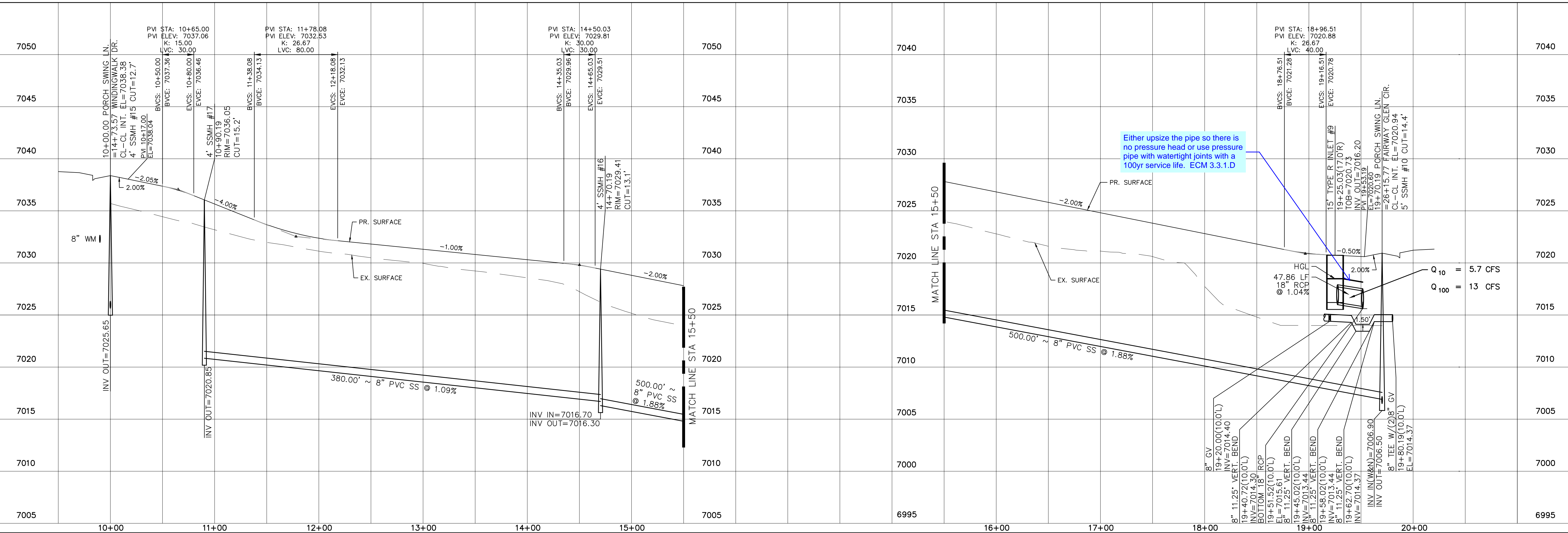
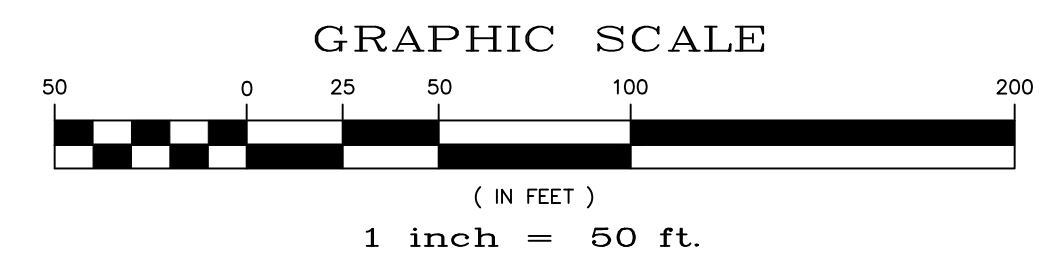
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
5	30.63'	19.50'	90°00'00"
6	30.63'	19.50'	90°00'00"
15	29.93'	19.50'	87°57'19"
16	29.93'	19.50'	87°57'19"

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



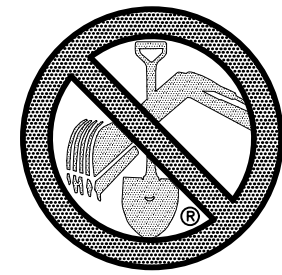
PORCH SWING LN.

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



Either upsize the pipe so there is no pressure head or use pressure pipe with watertight joints with a 100yr service life. ECM 3.3.1.D

SB FILING #1	SB FILING #3	THE VISTAS FILING #1												
STAPLETON DR.	KEYMAP													
<table border="1"> <thead> <tr> <th>No.</th> <th>Revisions</th> <th>Date</th> <th>Invt.</th> <th>Appr.</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			No.	Revisions	Date	Invt.	Appr.	Date						
No.	Revisions	Date	Invt.	Appr.	Date									
<p>TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457</p>														
<p>WINDINGWALK FLAT MERIDIAN RANCH STREET AND UTILITY PLANS PORCH SWING LN.</p>														
Scale	AS SHOWN	11 of 55												
Drawn by	LOG	Checked by	TAK	Date	JAN 2018									

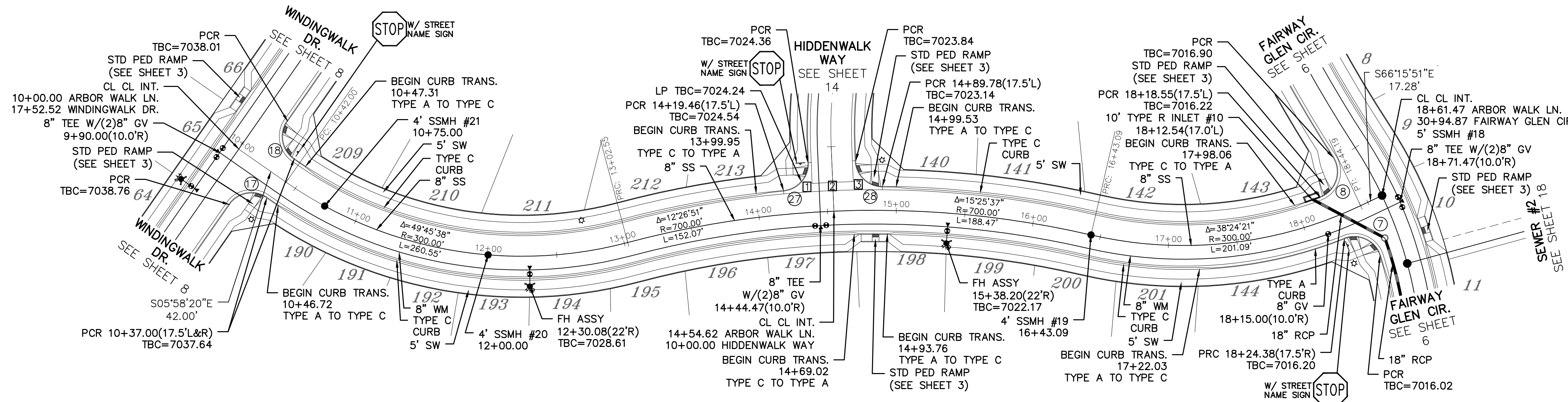
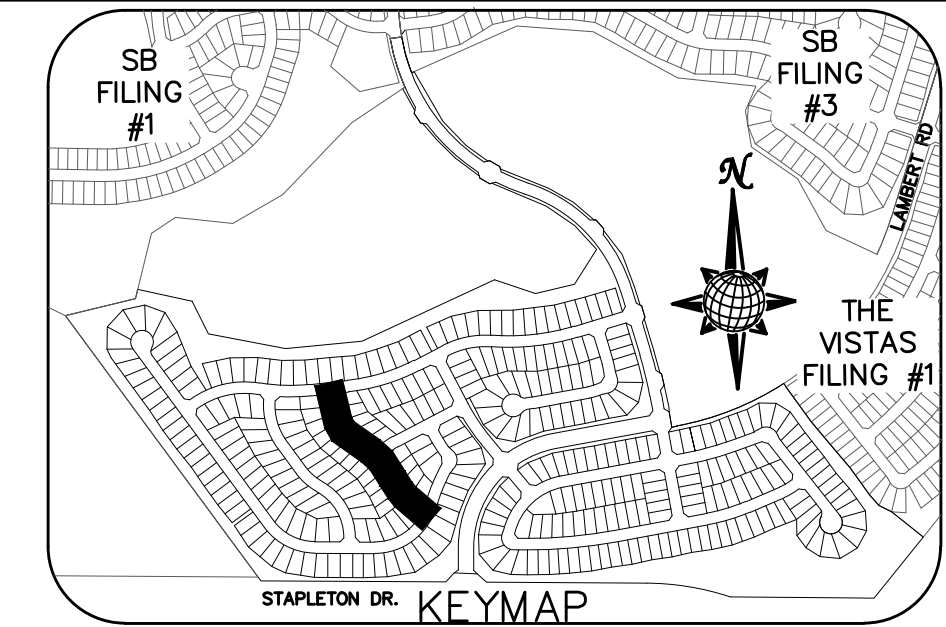


TWO WORKING DAYS
BEFORE YOU DIG
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OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

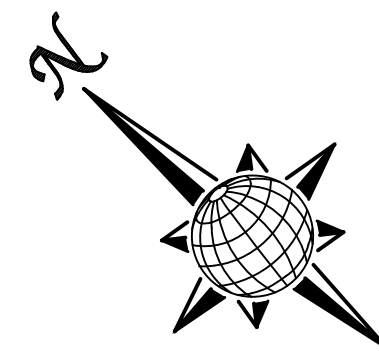
INSTALL CROSS PAN
PER COUNTY STD
SD-2-26

- ☐ = 7023.67
- ☑ = 7023.34
- ☒ = 7023.00



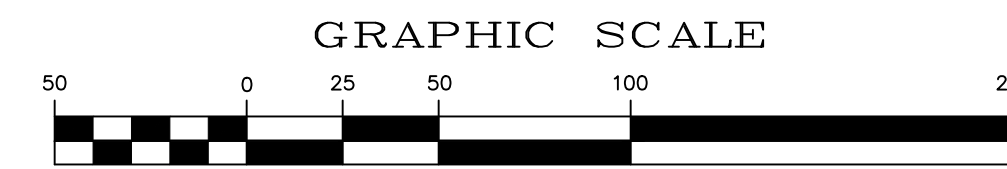
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
7	32.04'	19.50'	94°08'36"
8	34.84'	19.50'	102°22'10"
17	30.63'	19.50'	90°00'00"
18	30.63'	19.50'	90°00'00"
27	29.65'	19.50'	87°07'20"
28	29.65'	19.50'	87°07'20"

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

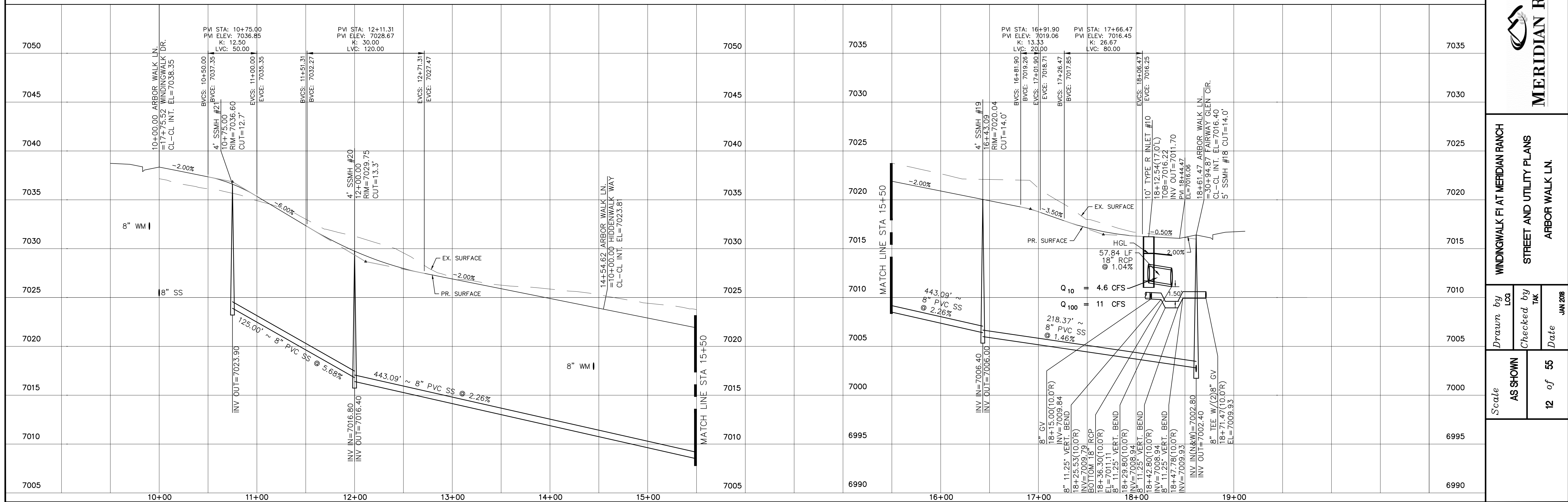


ARBOR WALK LN.

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



1 inch = 50 ft.



No.	Revisions	Date	Appr.	Date

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

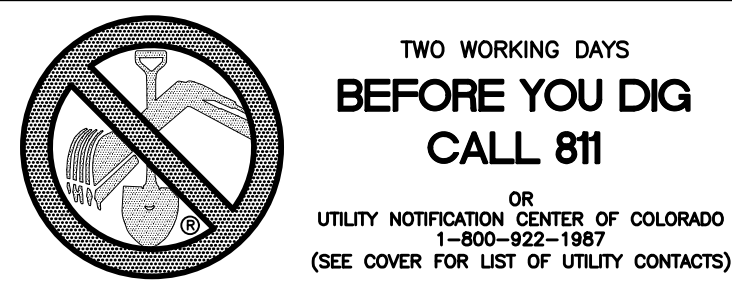


WINDINGWALK FLAT MERIDIAN RANCH
STREET AND UTILITY PLANS
ARBOR WALK LN.

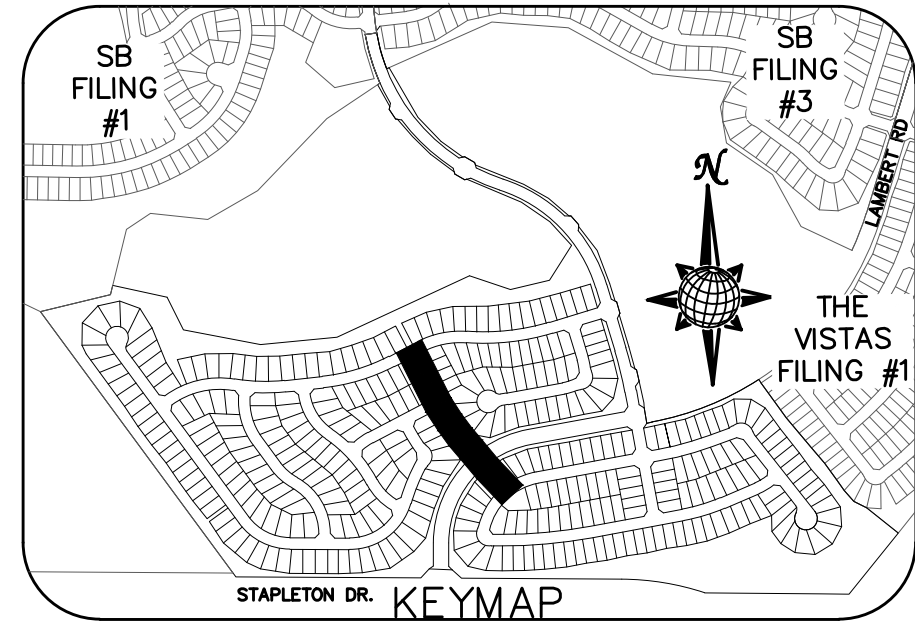
Drawn by
Checked by
Date

Scale
AS SHOWN
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JAN 2018

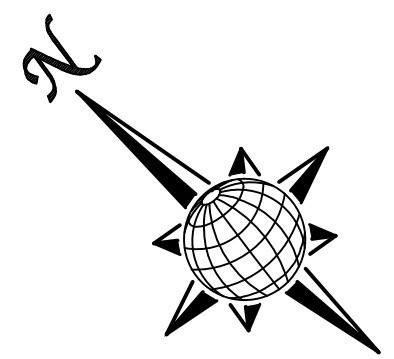
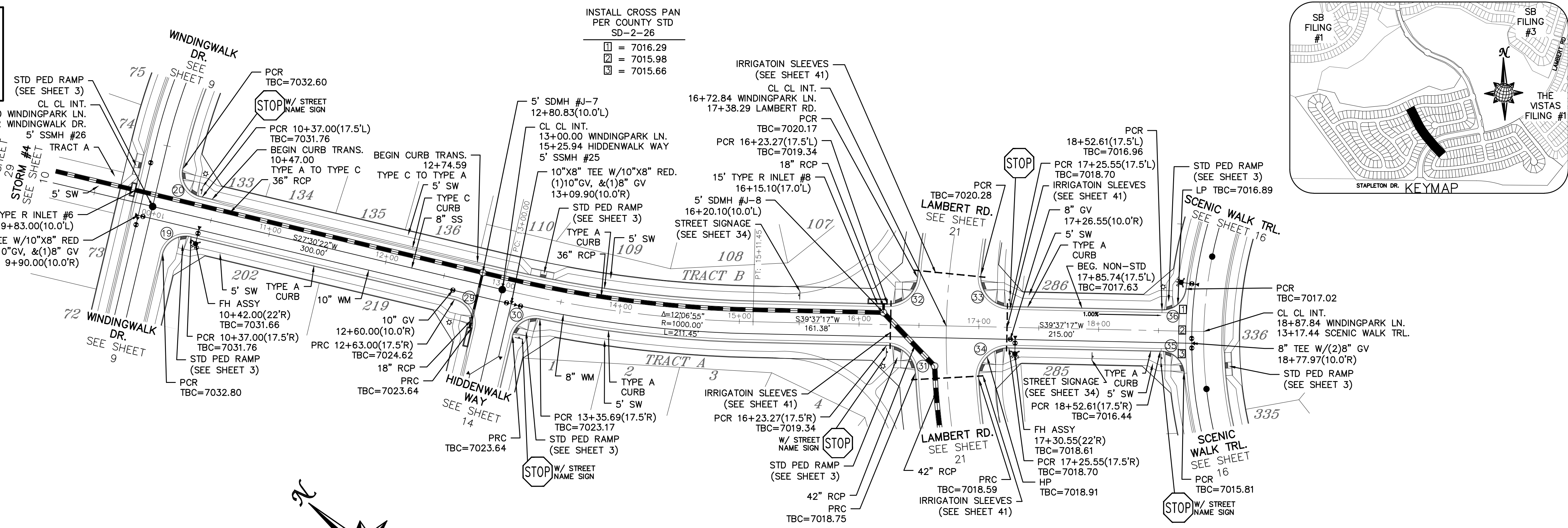


INSTALL CROSS PAN PER COUNTY STD SD-2-26
 1 = 7016.29
 2 = 7015.98
 3 = 7015.66



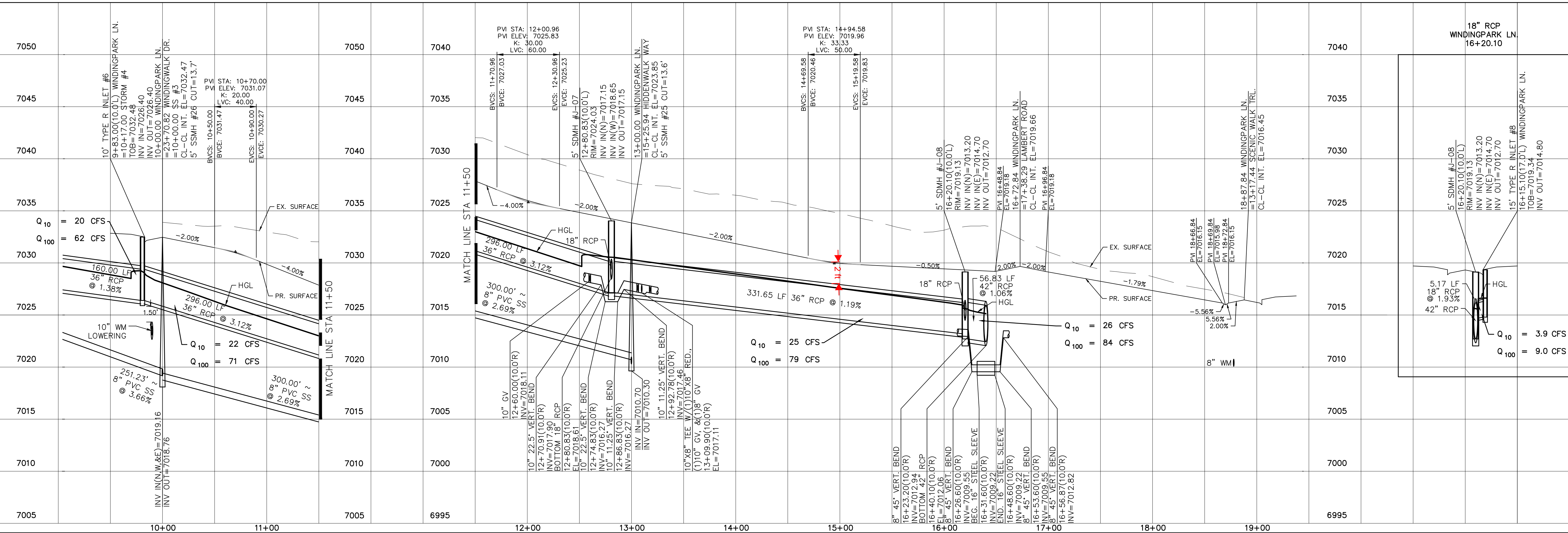
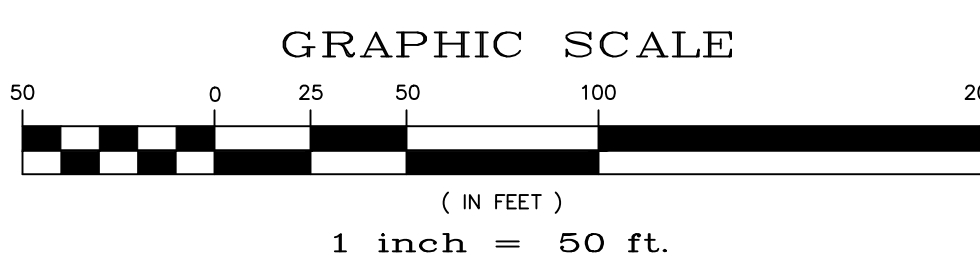
CURVE	LENGTH	RADIUS	DELTA
19	30.63'	19.50'	90°00'00"
20	30.63'	19.50'	90°00'00"
29	30.63'	19.50'	90°00'00"
30	29.93'	19.50'	87°57'19"
31	36.81'	24.50'	86°05'26"
32	36.81'	24.50'	86°05'26"
33	40.49'	24.50'	94°41'13"
34	40.49'	24.50'	94°41'13"
35	28.76'	19.50'	84°30'49"
36	28.76'	19.50'	84°30'49"

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



WINDINGPARK LN.

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

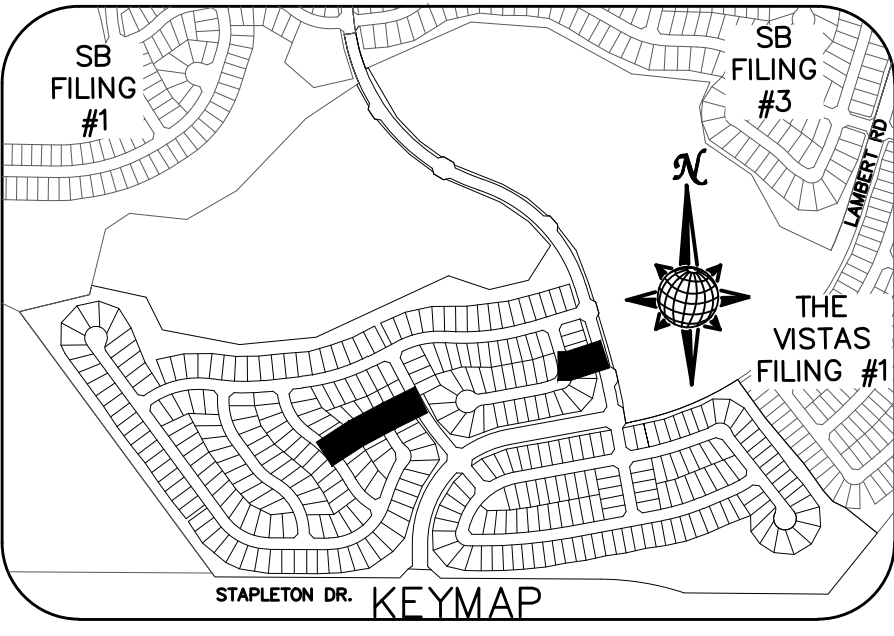


TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457	Revisions	No.	Date	Appr.	Date
 MERIDIAN RANCH WINDINGWALK FLAT MERIDIAN RANCH STREET AND UTILITY PLANS WINDINGPARK LN.	Drawn by	Checked by	Date		
	AS SHOWN	TAK	JAN 2018	13 of	55

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

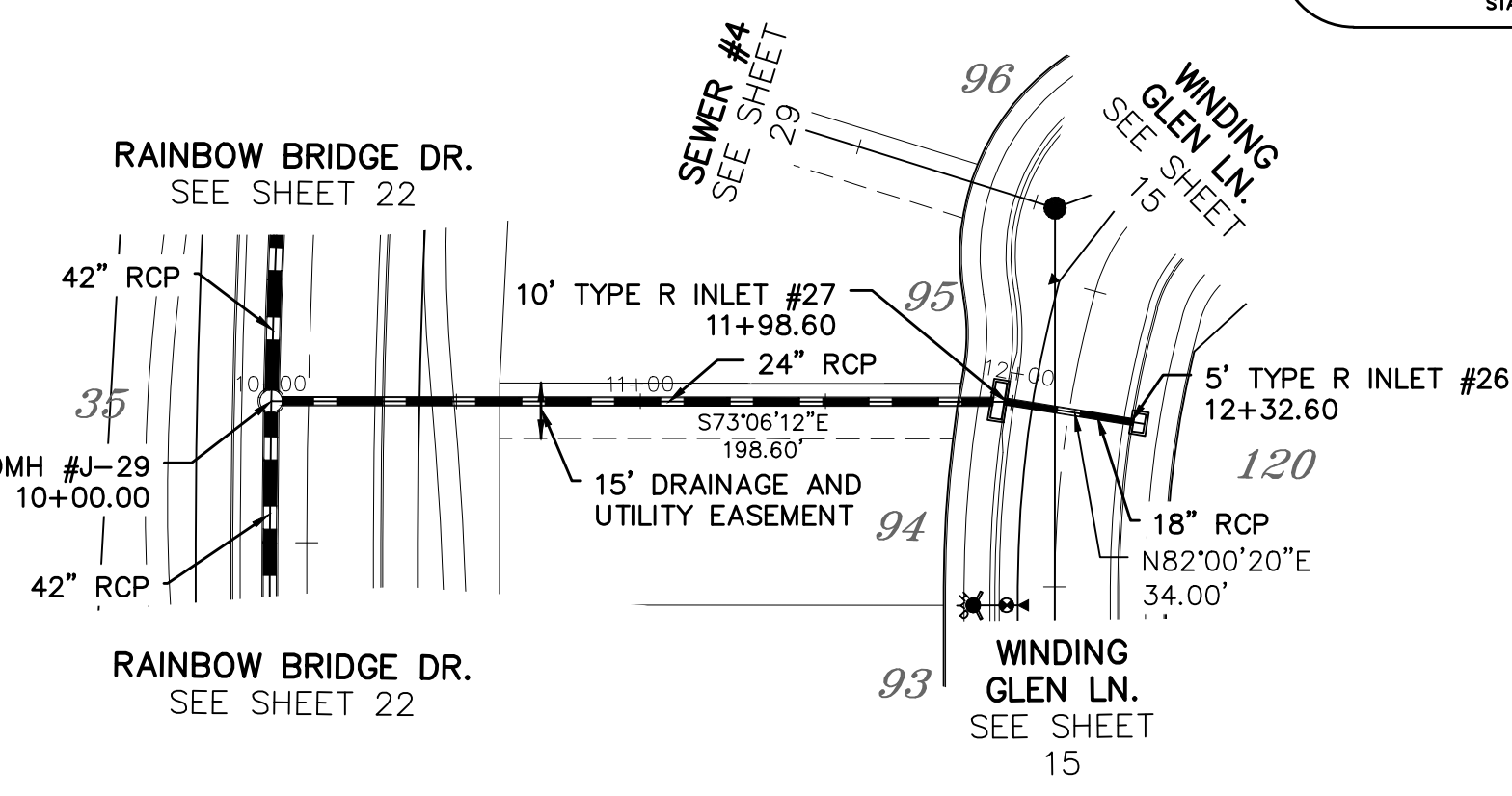
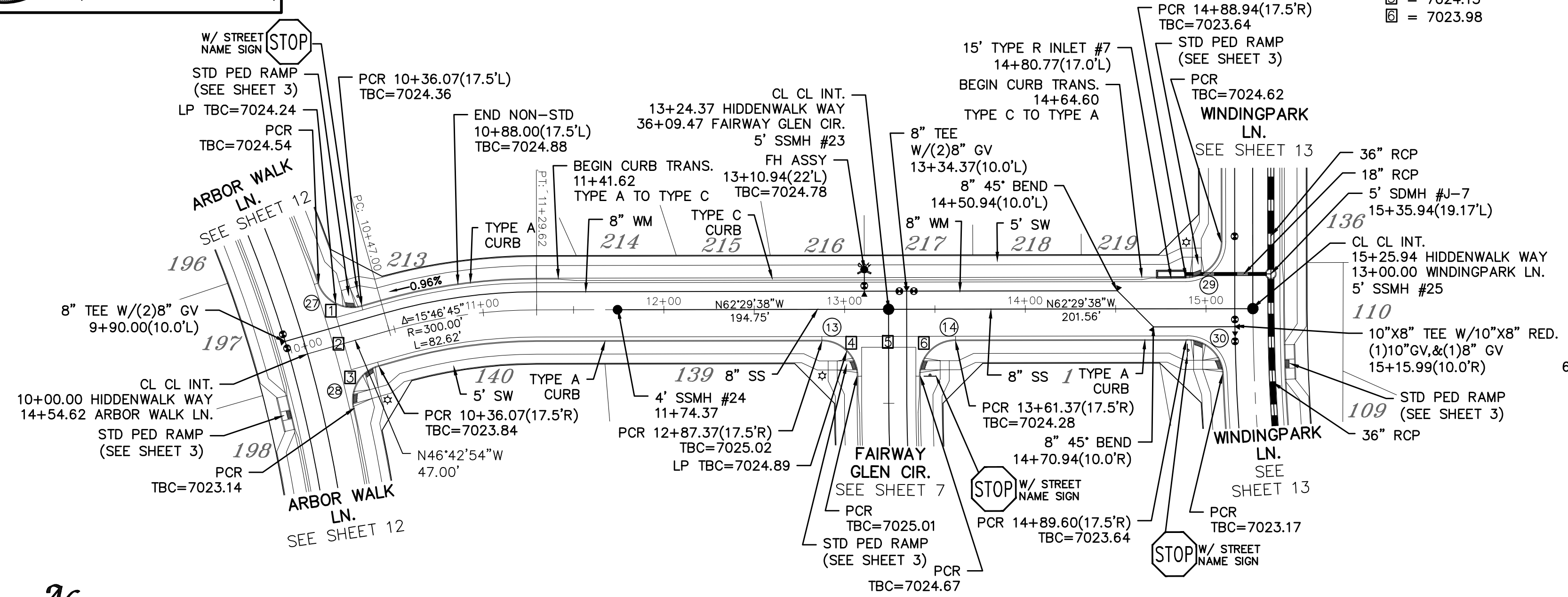
1	= 7023.67
2	= 7023.34
3	= 7023.00
4	= 7024.32
5	= 7024.15
6	= 7023.98



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"

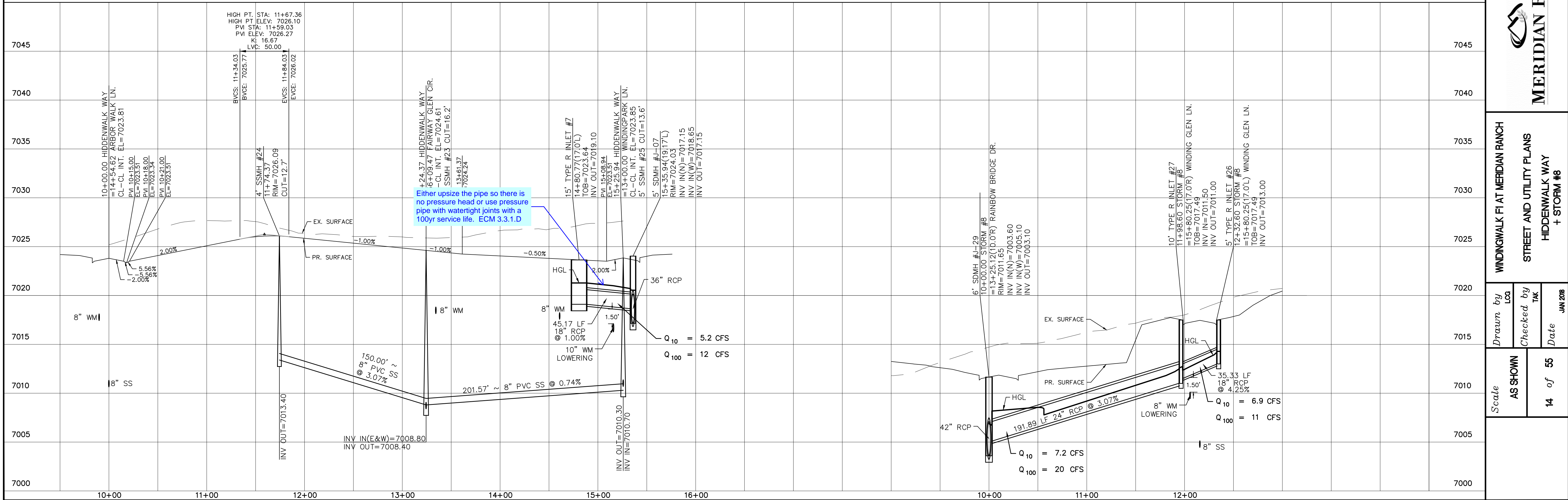
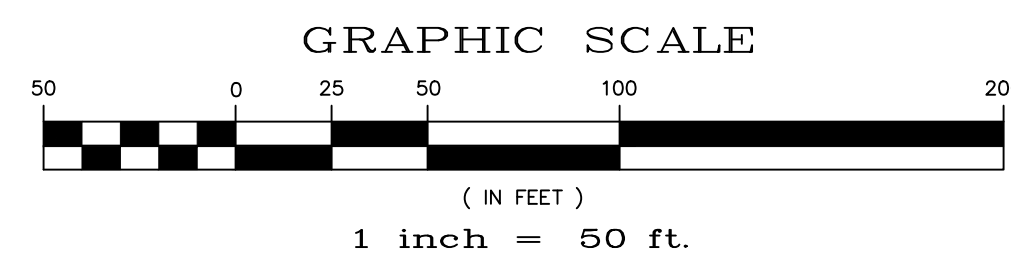
ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)



HIDDENWALK WAY

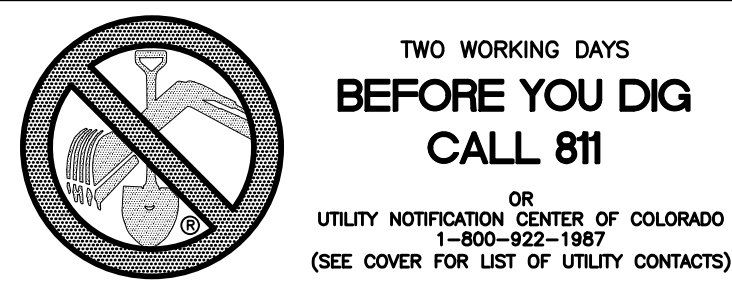
STORM #8

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



Either upsized the pipe so there is no pressure head or use pressure pipe with watertight joints with a 100yr service life. ECM 3.3.1.D

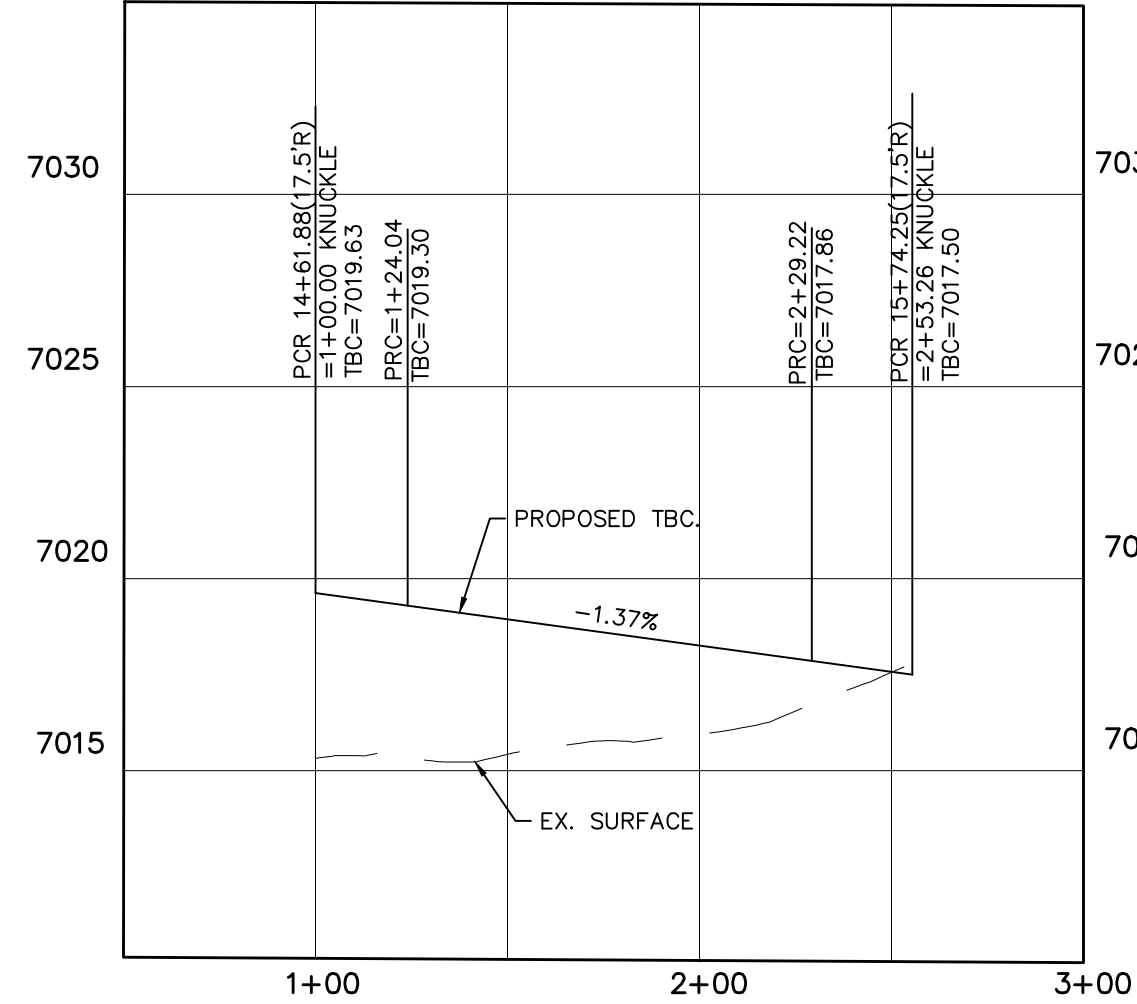
<p>TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457</p>	<p>Revisions</p>	<p>Date</p>	<p>Appr.</p>	<p>Date</p>	
<p>MERIDIAN RANCH</p>		<p>WINDINGWALK FL AT MERIDIAN RANCH STREET AND UTILITY PLANS HIDDENWALK WAY + STORM #8</p>			
<p>Drawn by AS SHOWN</p>	<p>Checked by TAJ</p>	<p>Date JUN 2018</p>			
<p>Scale AS SHOWN</p>	<p>14 of 55</p>				



TWO WORKING DAYS
BEFORE YOU DIG
CALL 811

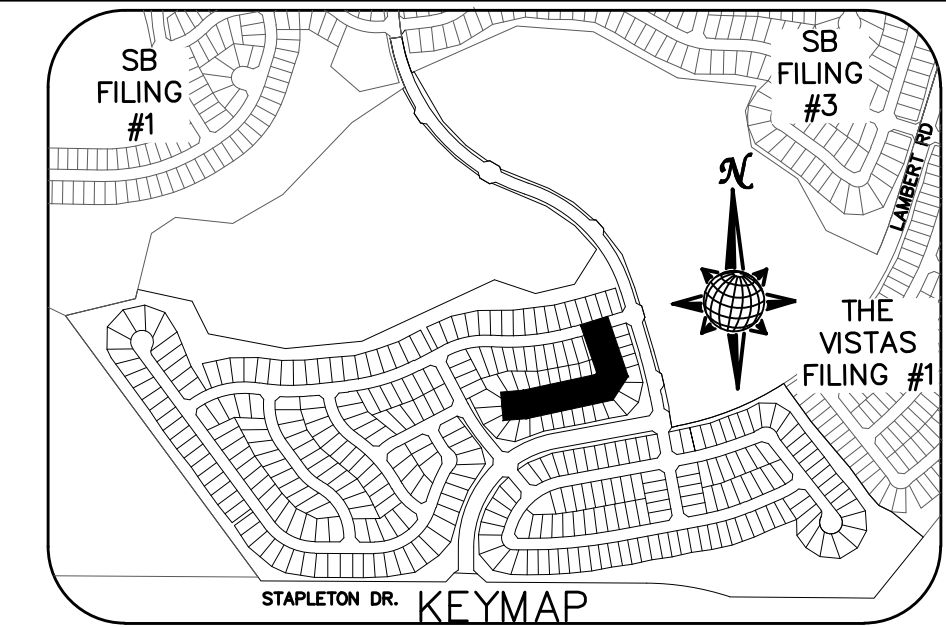
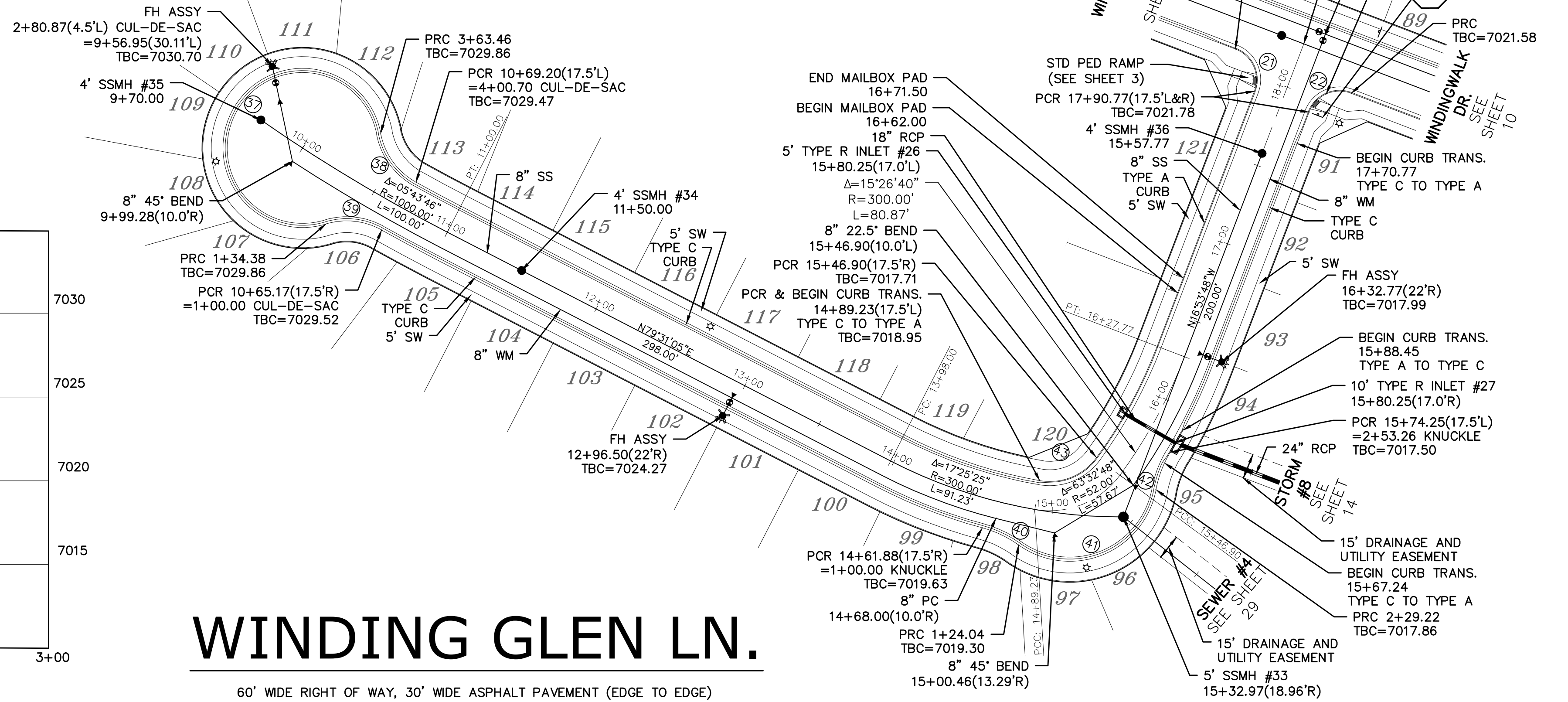
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

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



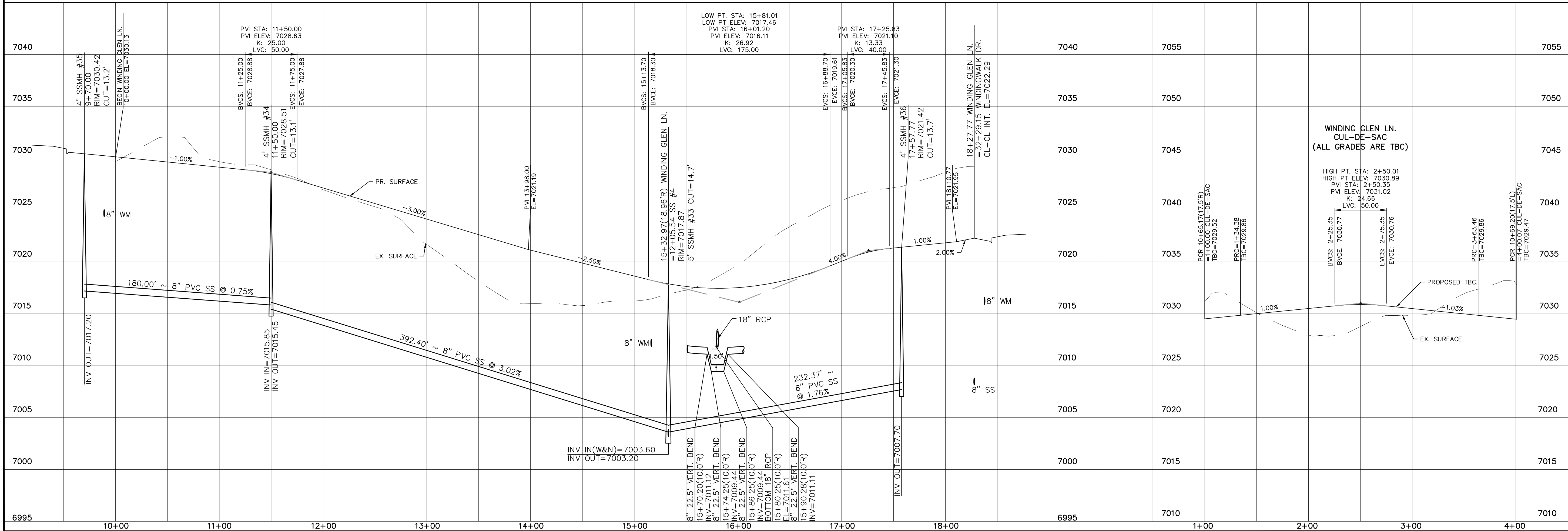
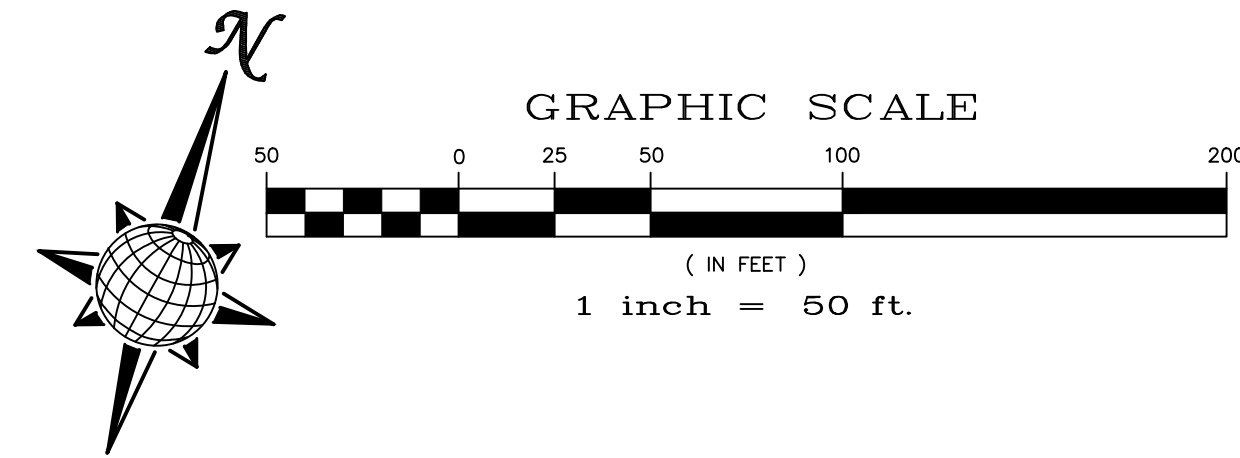
WINDING GLEN LN.

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



CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
21	30.63'	19.50'	90°00'00"
22	30.63'	19.50'	90°00'00"
37	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"

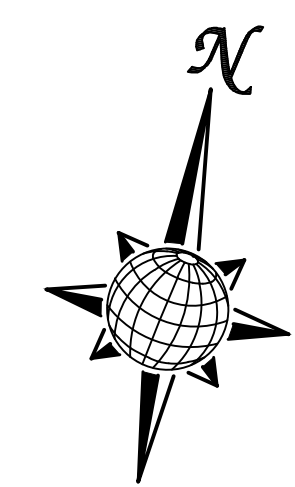
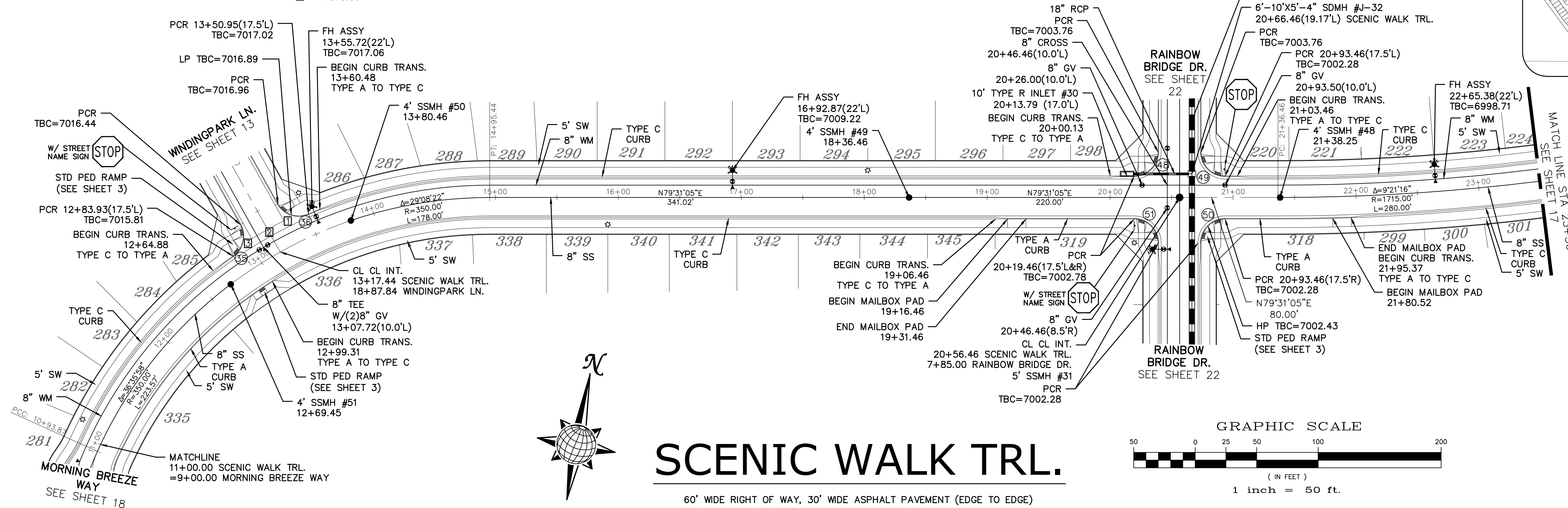
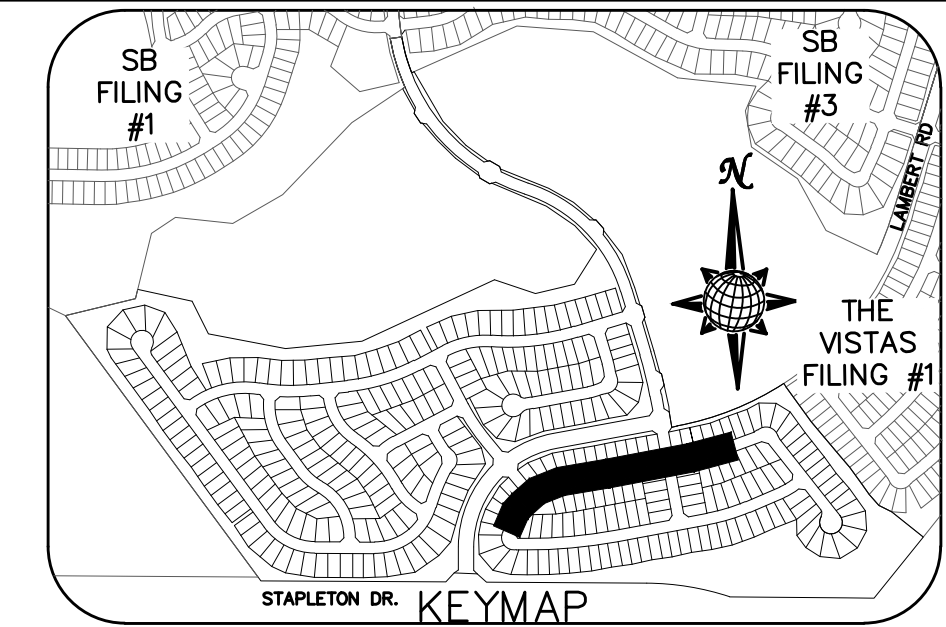
ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)



SB FILING #1	SB FILING #3	THE VISTAS FILING #1
DATE	DATE	DATE
APPROVED	APPROVED	APPROVED
NO.	NO.	NO.
TECH CONTRACTORS	11886 STAPLETON DRIVE	719.495.7444
	FALCON, CO 80831	TELEPHONE: 719.495.7444
		FAX: 719.495.2457
MERIDIAN RANCH		
WINDINGWALK FLAT MERIDIAN RANCH		
STREET AND UTILITY PLANS		
WINDING GLEN LN.		
Scale	AS SHOWN	15 of 55
Drawn by	LOG	Checked by
		TAK
		Date
		JAN 2018

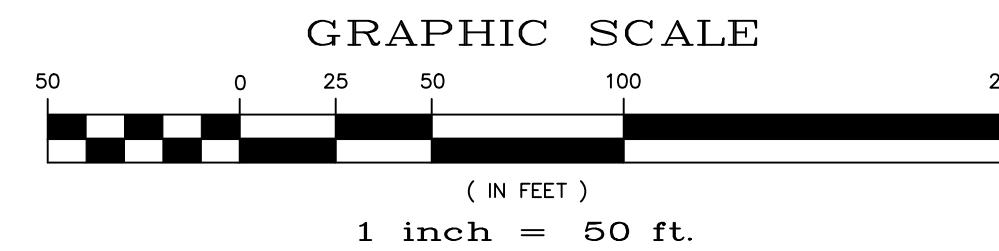


INSTALL CROSS PAN PER COUNTY STD SD-2-26
 1 = 7016.29
 2 = 7015.98
 3 = 7015.66



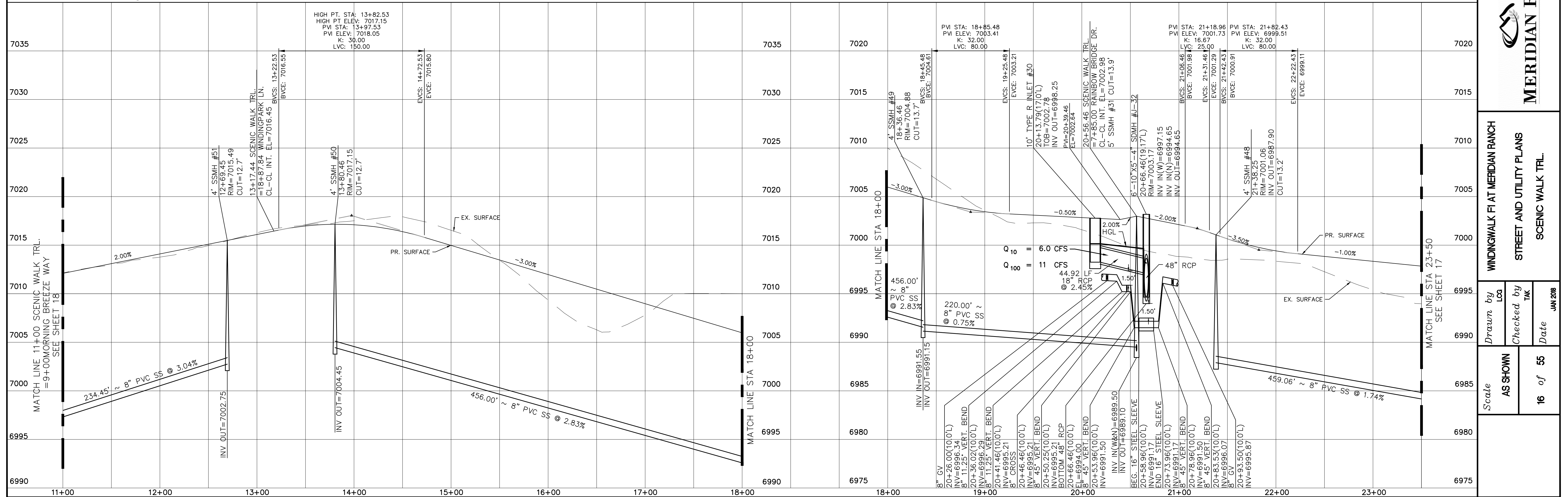
SCENIC WALK TRL.

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

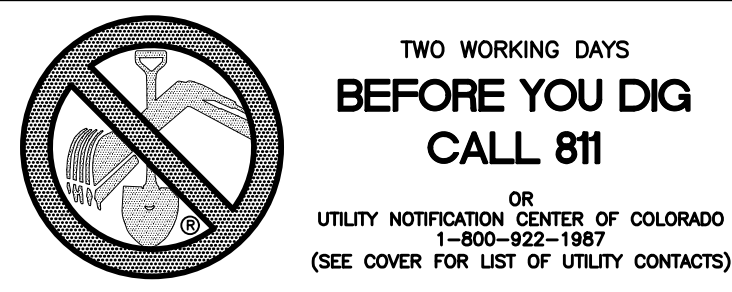


CURVE	LENGTH	RADIUS	DELTA
35	28.76'	19.50'	84°30'49"
36	28.76'	19.50'	84°30'49"
48	30.63'	19.50'	90°00'00"
49	30.63'	19.50'	90°00'00"
50	30.63'	19.50'	90°00'00"
51	30.63'	19.50'	90°00'00"

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

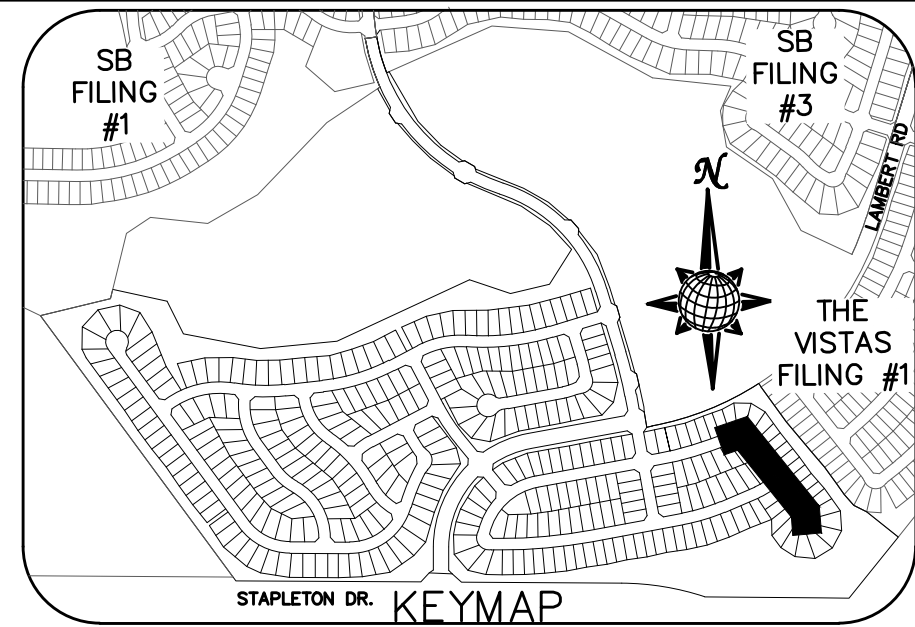


TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457	Revisions	No.	Date	Appr.	Date
 MERIDIAN RANCH	WINDINGWALK FLAT MERIDIAN RANCH		STREET AND UTILITY PLANS		
	SCENIC WALK TRL.				
Scale AS SHOWN	Drawn by LCA	Checked by TAK	Date JUN 2018	16 of 55	



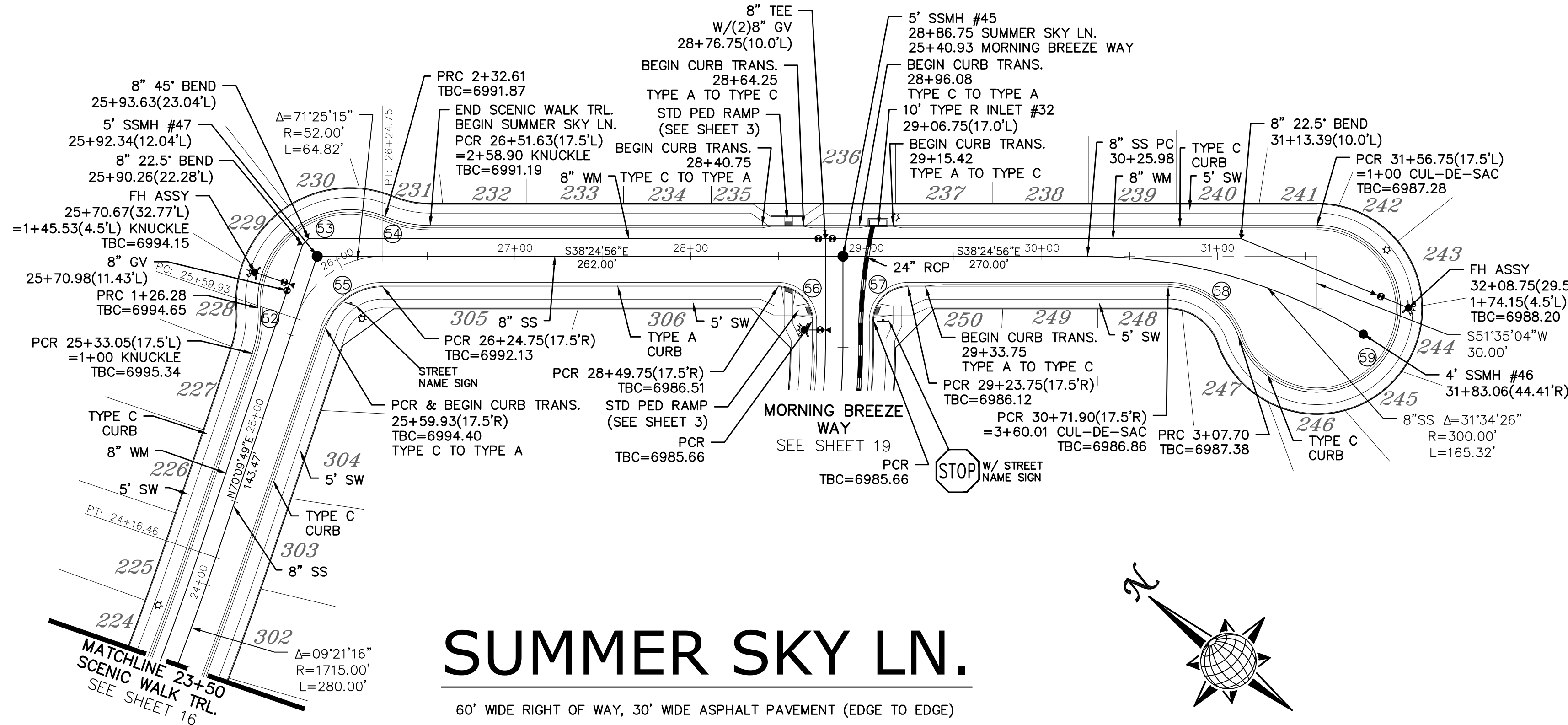
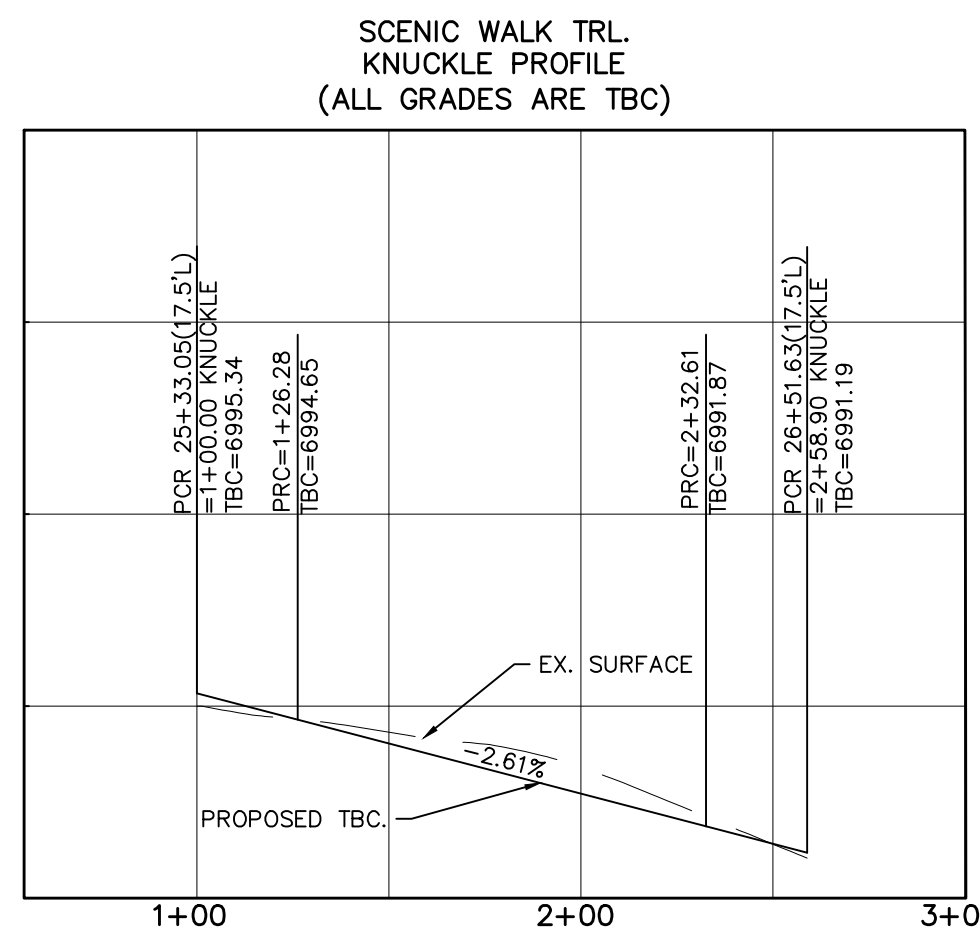
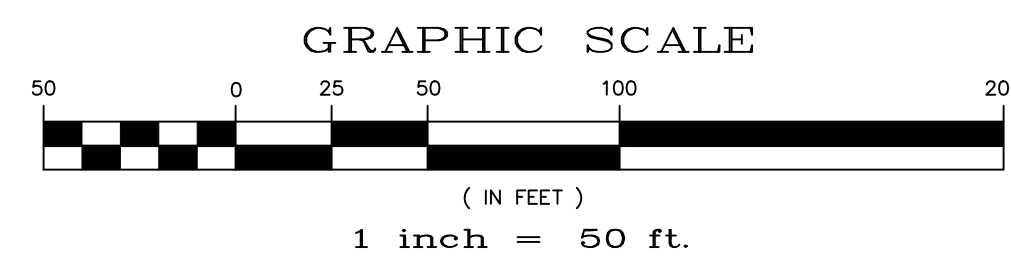
TWO WORKING DAYS
BEFORE YOU DIG
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UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
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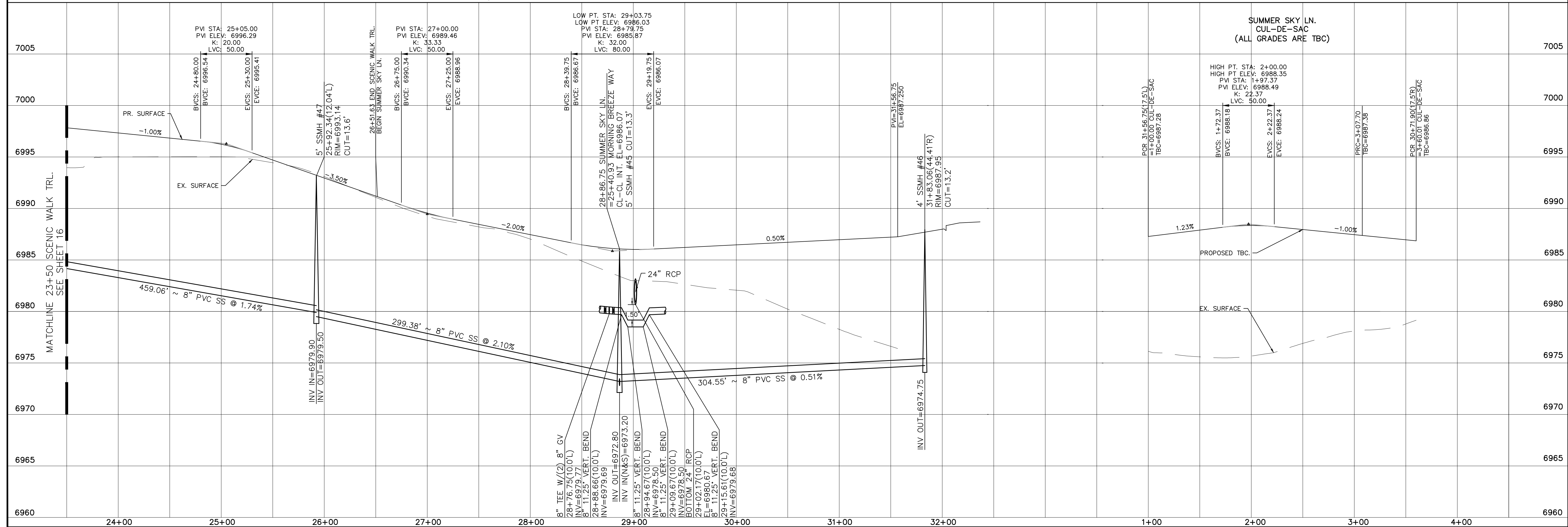
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
52	26.28'	67.50'	22°18'38"
53	106.33'	52.50'	116°02'31"
54	26.28'	67.50'	22°18'38"
55	43.01'	34.50'	71°25'15"
56	30.63'	19.50'	90°00'00"
57	30.63'	19.50'	90°00'00"
58	52.32'	42.50'	70°31'44"
59	207.70'	47.50'	250°31'44"

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



SUMMER SKY LN.

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



No.	Revisions	Date	Instr.	Appr.	Date

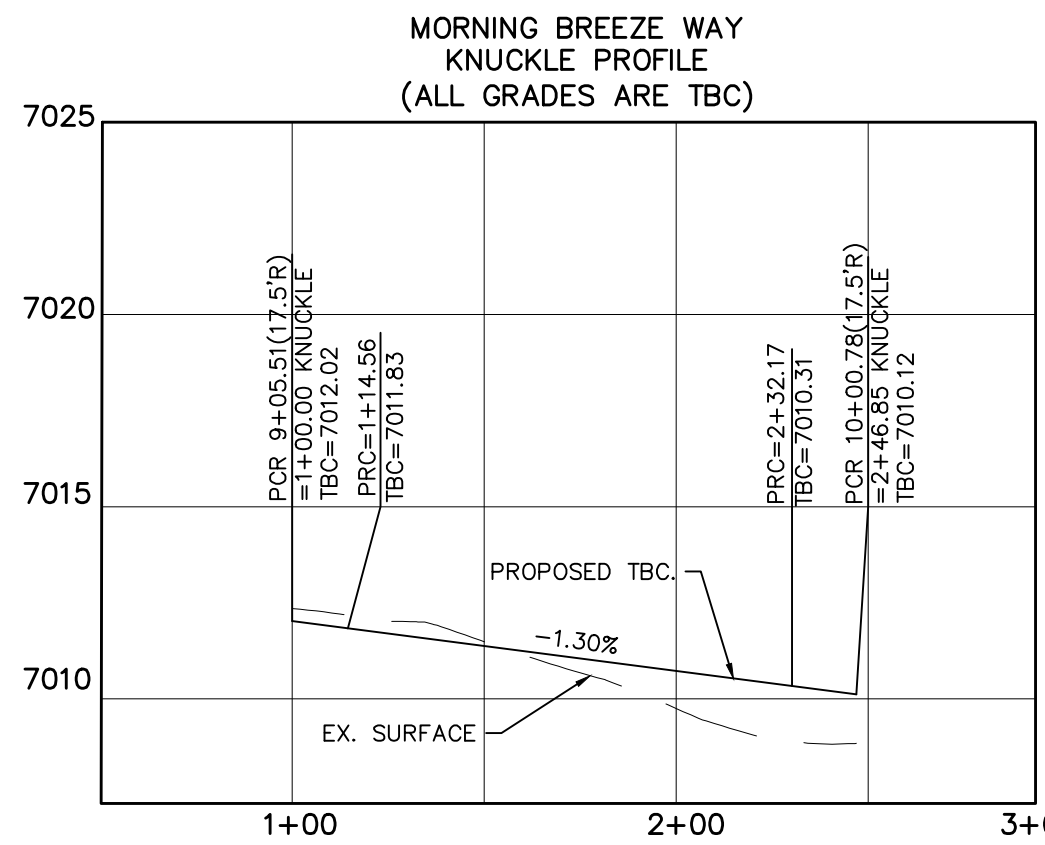
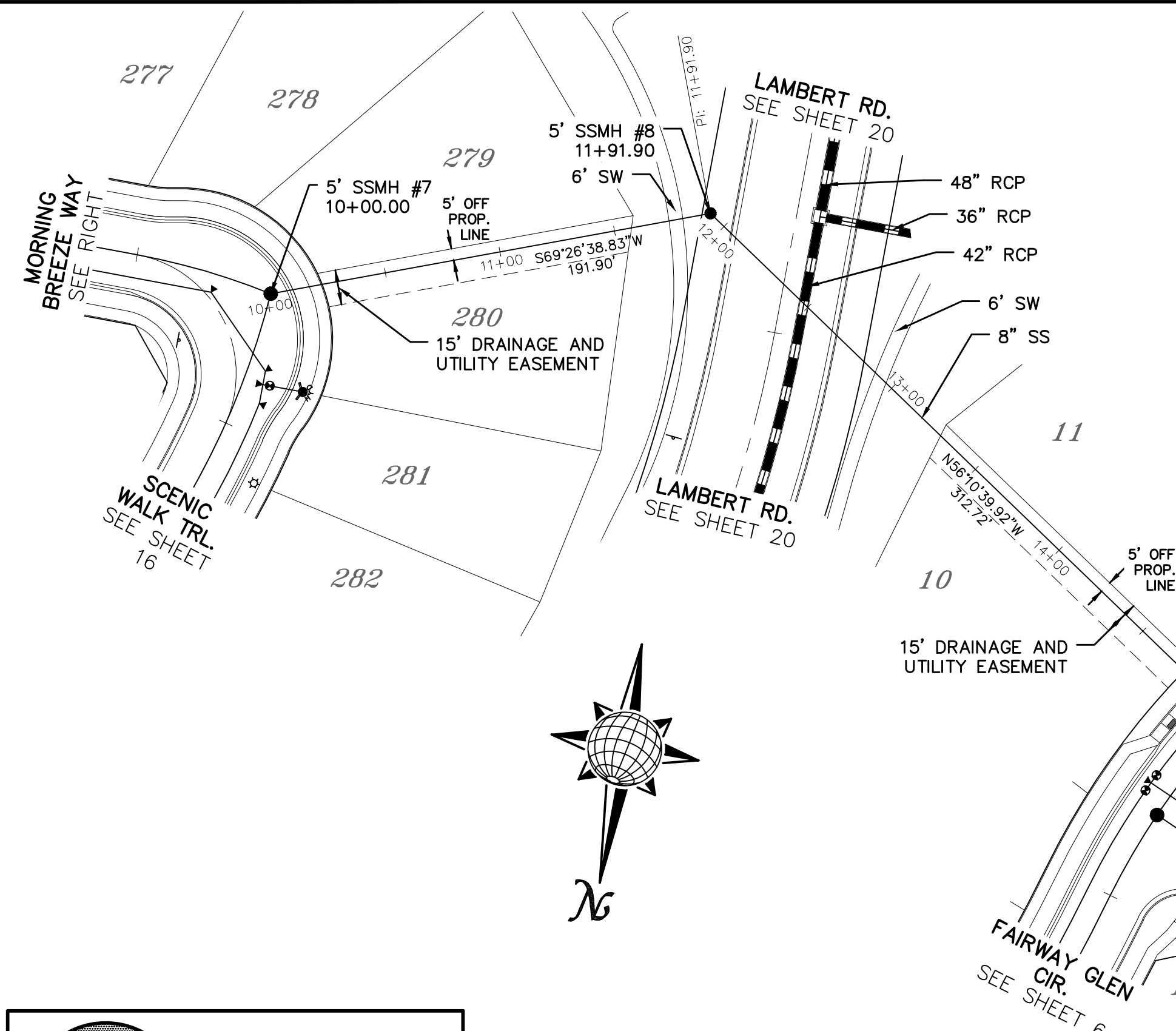
TECH CONTRACTORS
11886 STAPLETON DRIVE
FALCON, CO 80831
TELEPHONE: 719.495.7444
FAX: 719.495.2457



WINDINGWALK FLAT MERIDIAN RANCH
STREET AND UTILITY PLANS
SUMMER SKY LN.

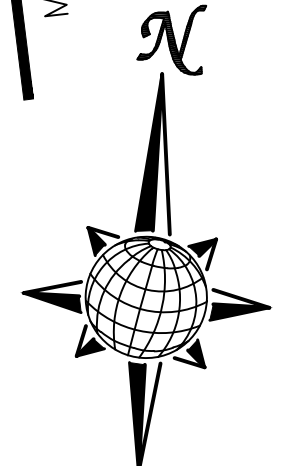
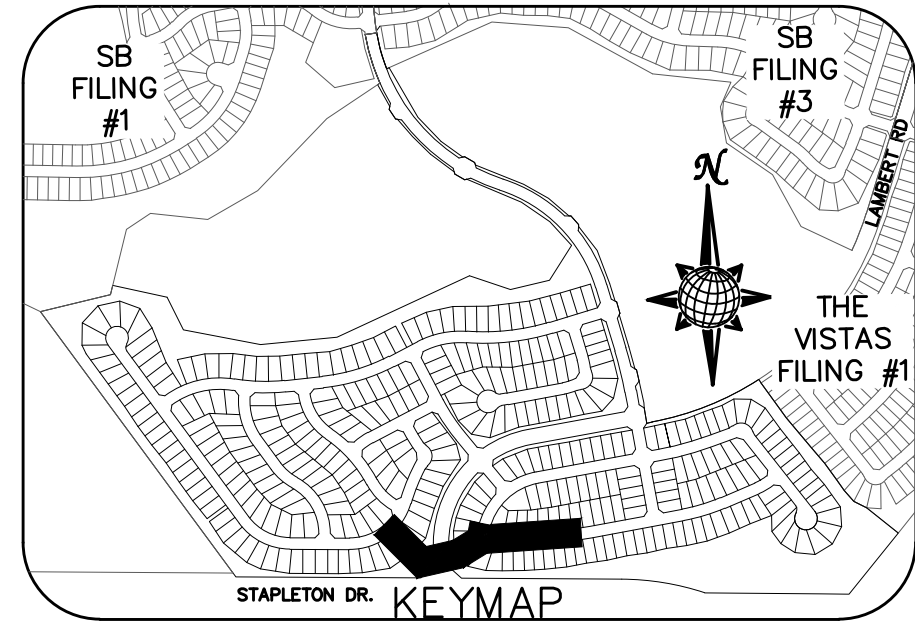
Drawn by
Scale
AS SHOWN
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Checked by
Date
JAN 2018

PCD PROJECT NO. XX-XX-XXX



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

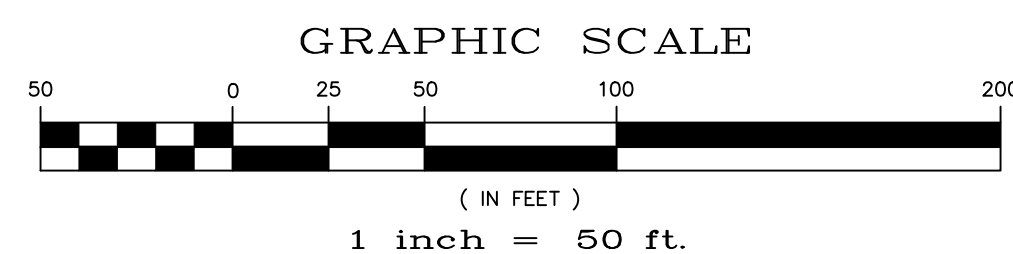
ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)



TWO WORKING DAYS BEFORE YOU DIG CALL 811

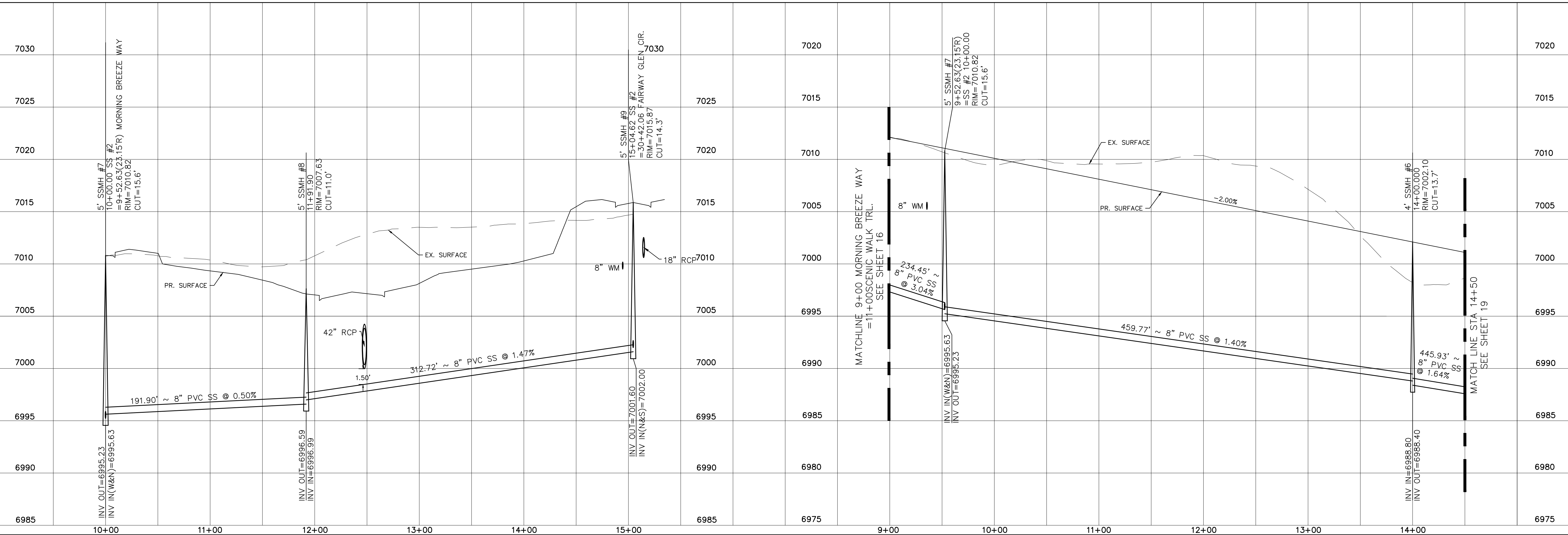
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

SEWER #2



MORNING BREEZE WAY

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



No.	Revisions	Date	Appr.	Date

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

MERIDIAN RANCH

WINDINGWALK FLAT MERIDIAN RANCH
STREET AND UTILITY PLANS
MORNING BREEZE WAY
+ SEWER #2

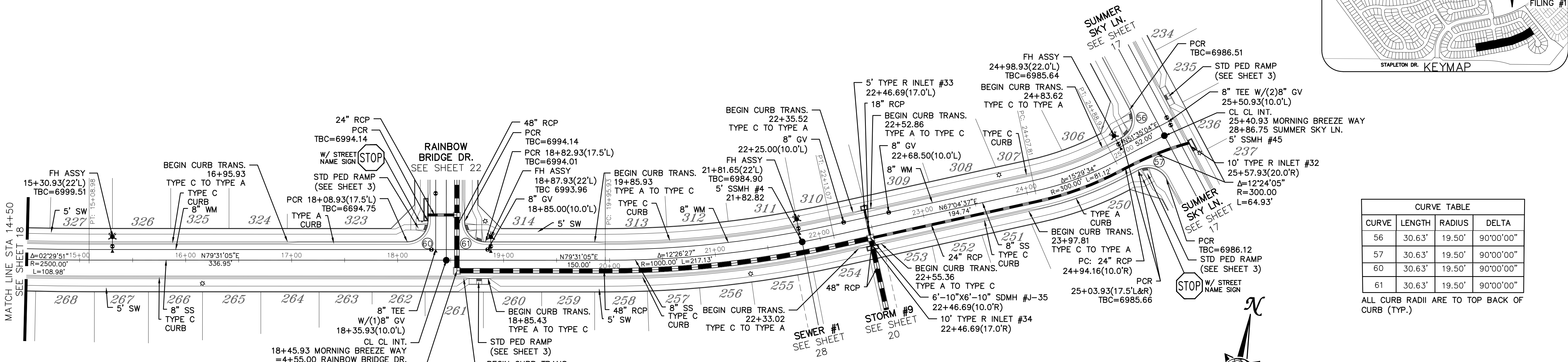
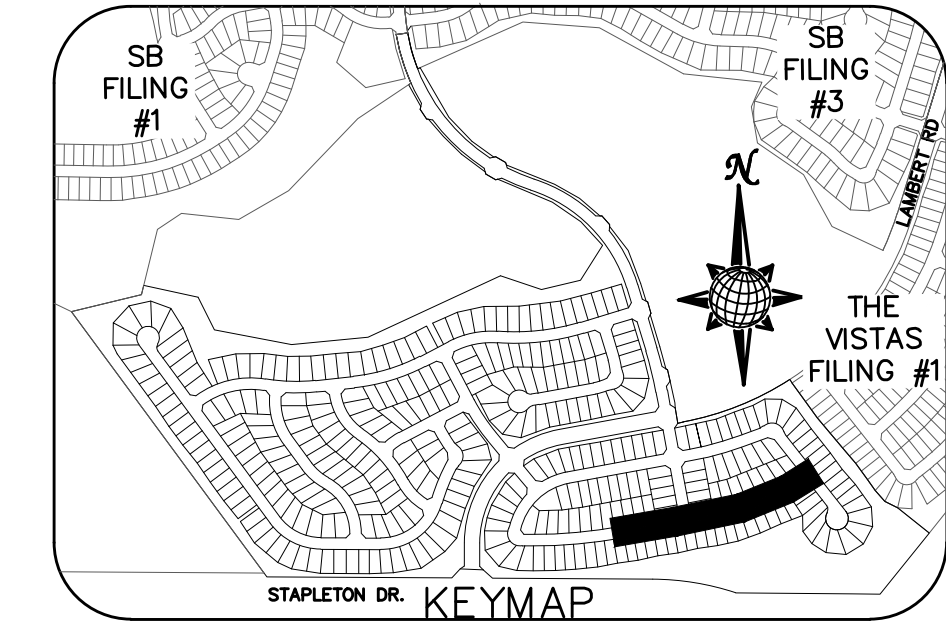
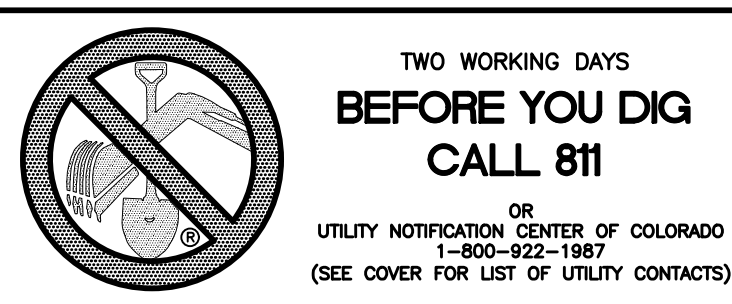
Drawn by
LCA

Checked by
TAK

Date
JAN 2018

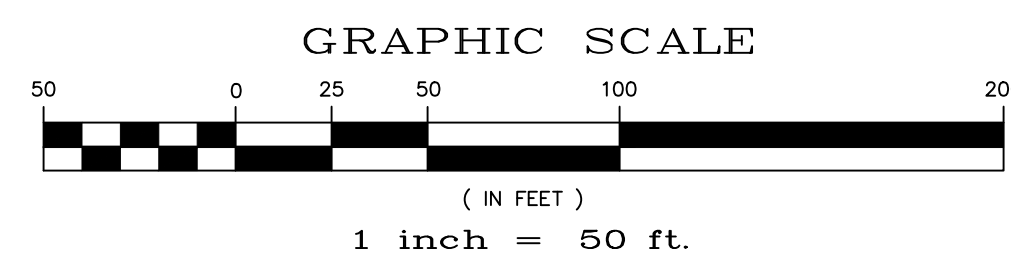
Scale
AS SHOWN

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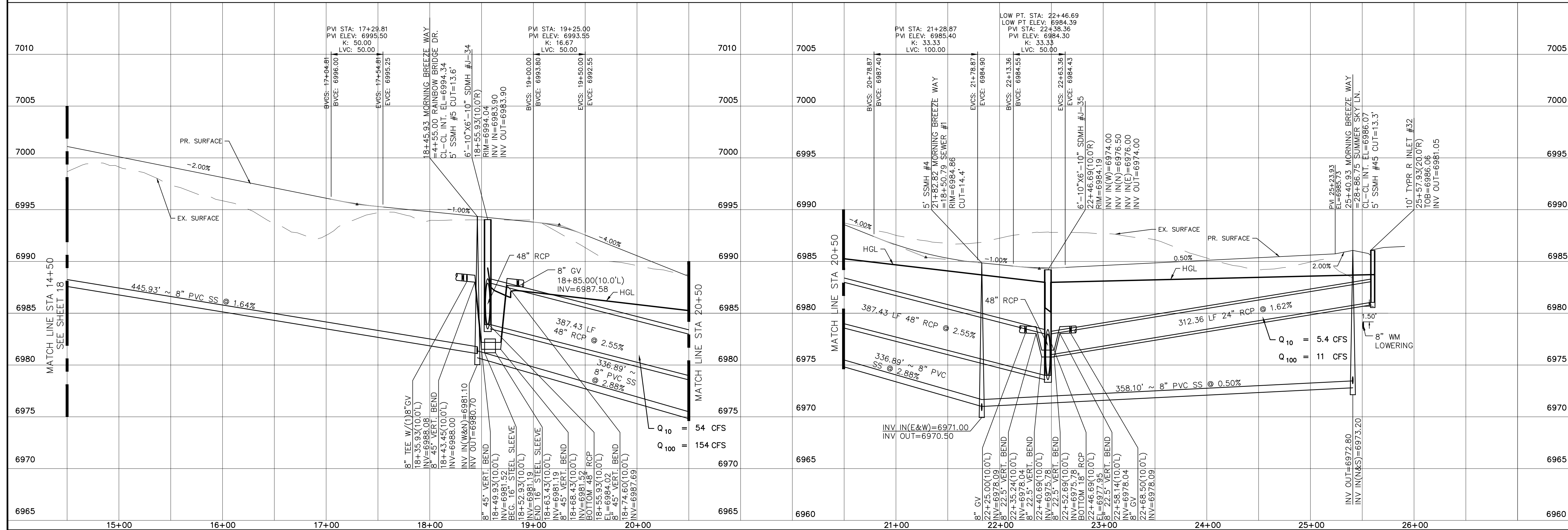
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
56	30.63'	19.50'	90°00'00"
57	30.63'	19.50'	90°00'00"
60	30.63'	19.50'	90°00'00"
61	30.63'	19.50'	90°00'00"

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

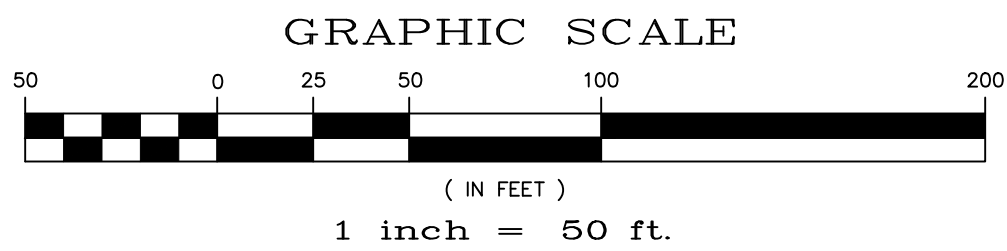
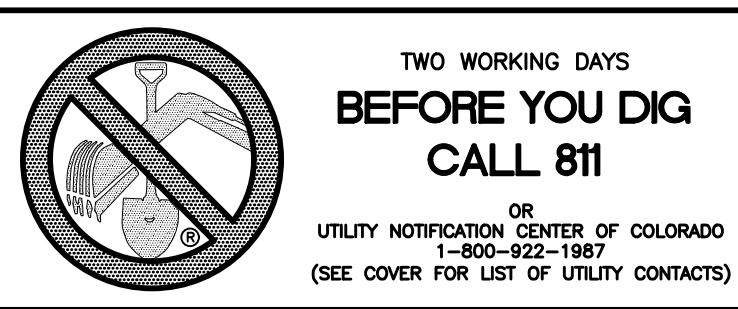


MORNING BREEZE WAY

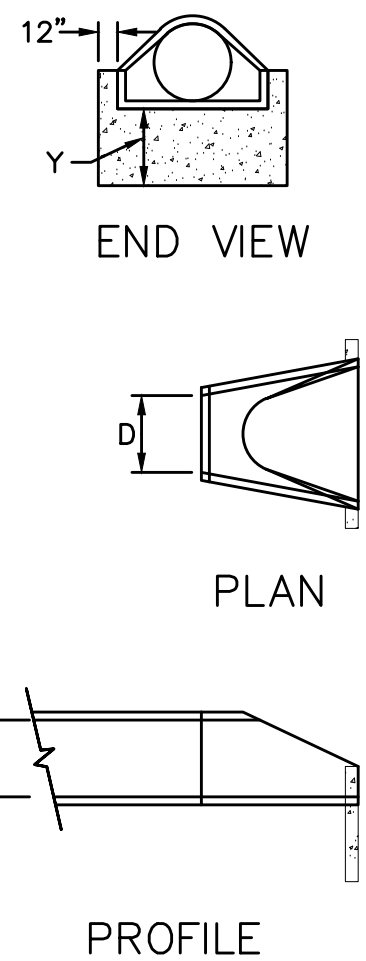
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



SB FILING #1	SB FILING #3	THE VISTAS FILING #1
STAPLETON DR.	KEYMAP	
TECH CONTRACTORS	11886 STAPLETON DRIVE	TELEPHONE: 719.495.7444
	FALCON, CO 80831	FAX: 719.495.2457
		WINDINGWALK FLAT MERIDIAN RANCH STREET AND UTILITY PLANS MORNING BREEZE WAY
Scale	AS SHOWN	19 of 55
Drawn by	LOG	Checked by
		TAK
		Date
		JAN 2018
		No.
		Revisions
		Date
		Appr.
		Date

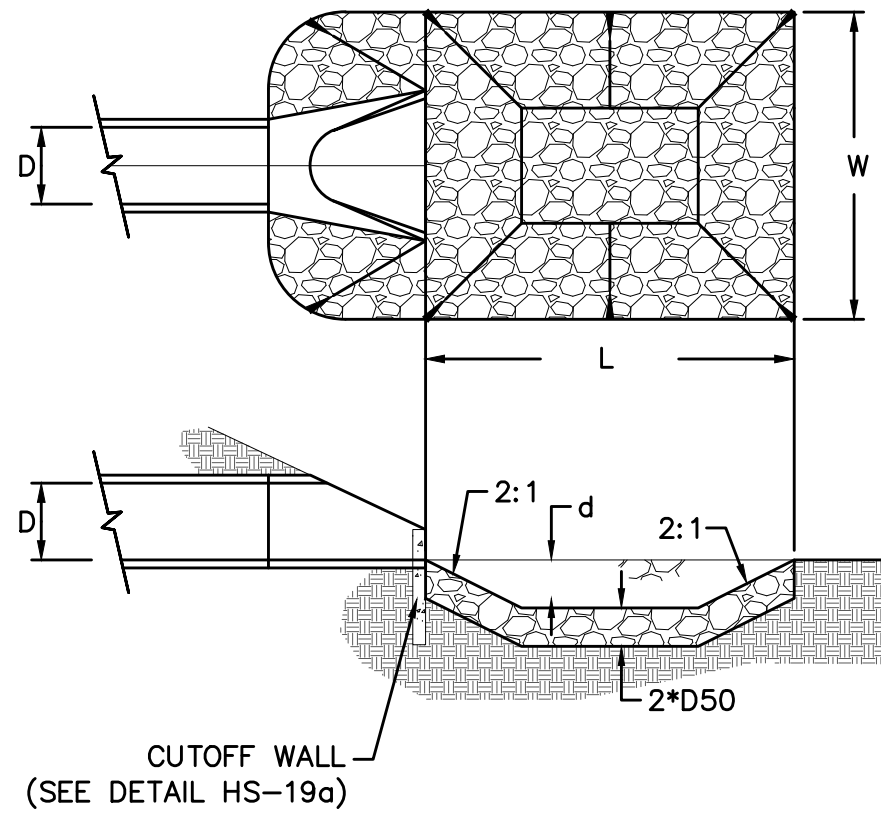
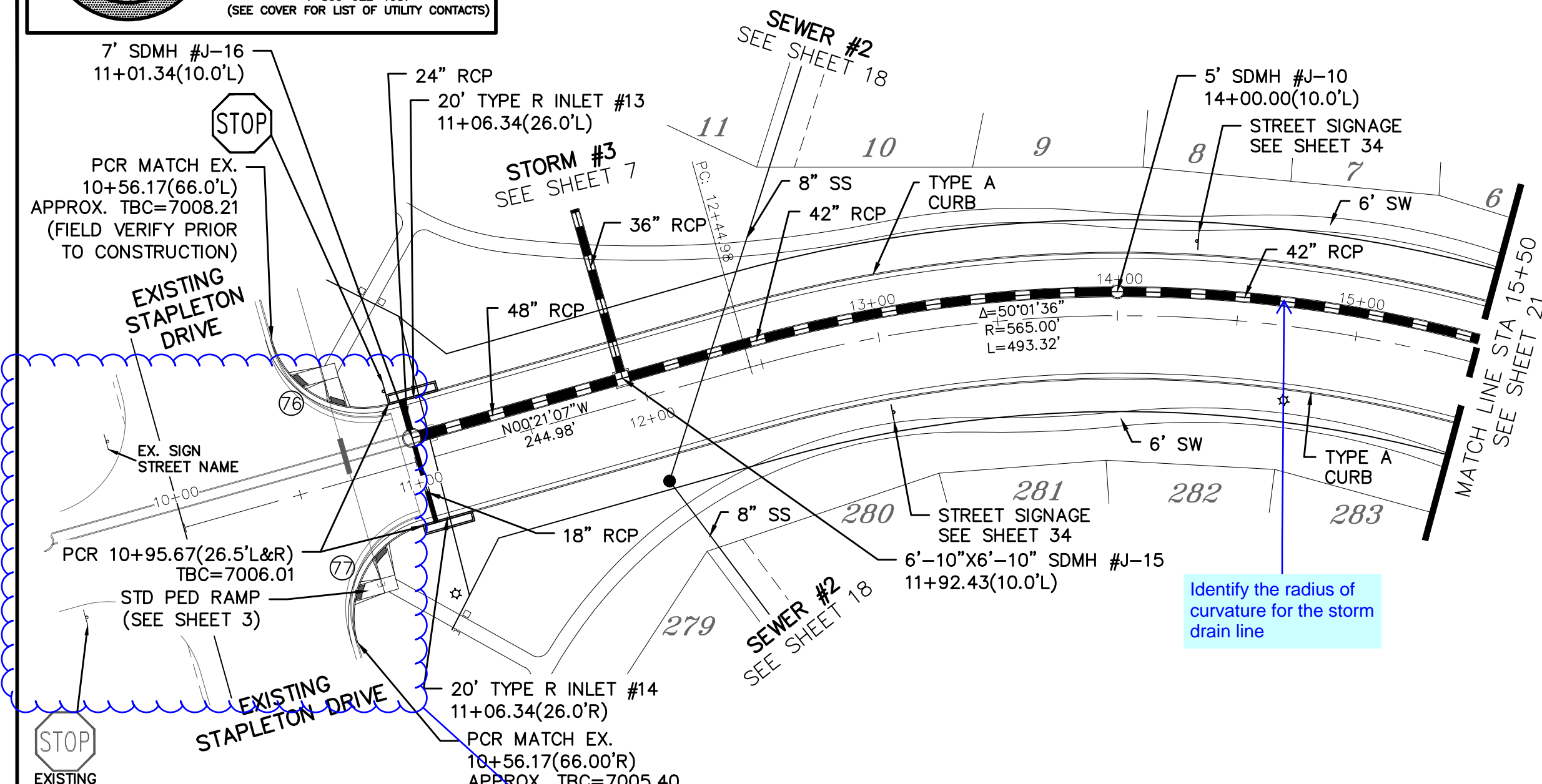
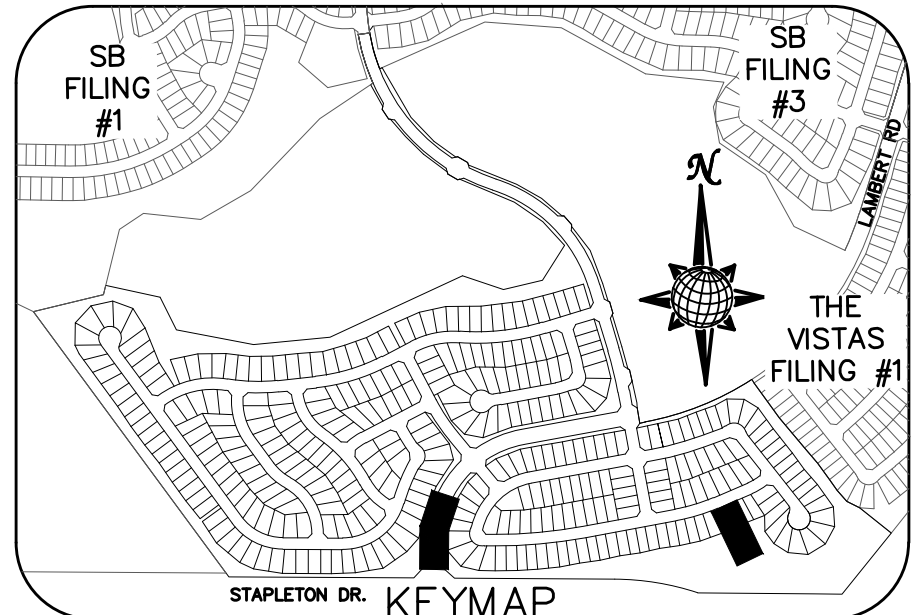


URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
Figure HS-19a.
Culvert Cutoff Wall



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.)

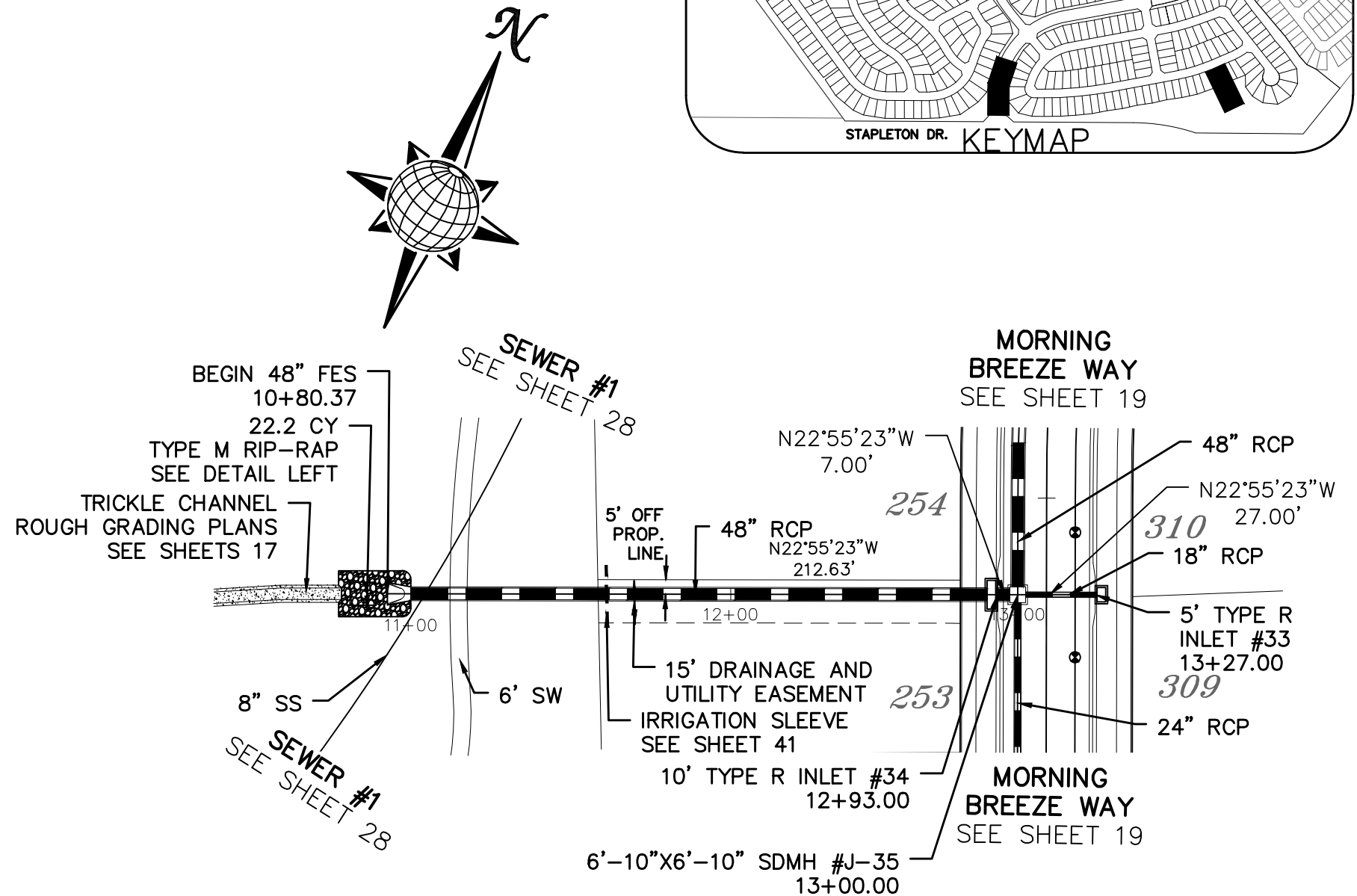


URBAN DRAINAGE AND FLOOD CONTROL DISTRICT (MODIFIED*)
Figure HS-19. Culvert and Outlet Erosion Protection
*RIP RAP RECTANGULAR POOL

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

POND H
OUTLET PROTECTION DETAIL
NTS

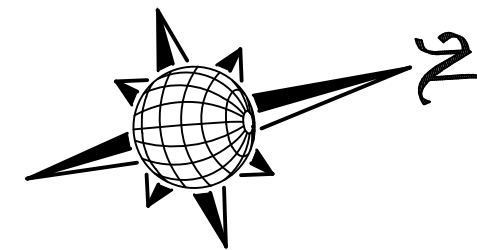
PIPE OUTLET	L	W	d	TYPE	D ₉₀	CY	Y	NOTES
STORM #1 30"	10.0	10.0	1.5	L	0.75'	7.3	2.6'	SEE SHEET 7
STORM #9 48"	17.0	16.0	2.0	M	1.0'	22.2	3.8'	SEE RIGHT



STORM #9

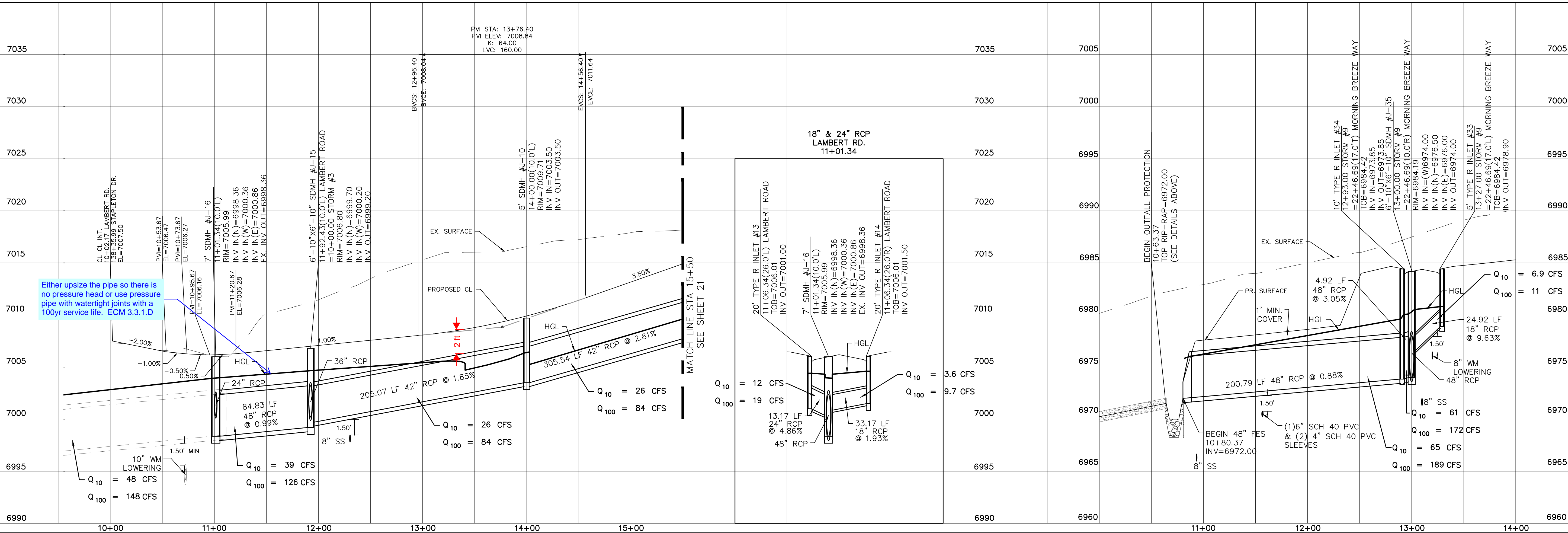
LAMBERT RD.

80' WIDE RIGHT OF WAY, 48' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



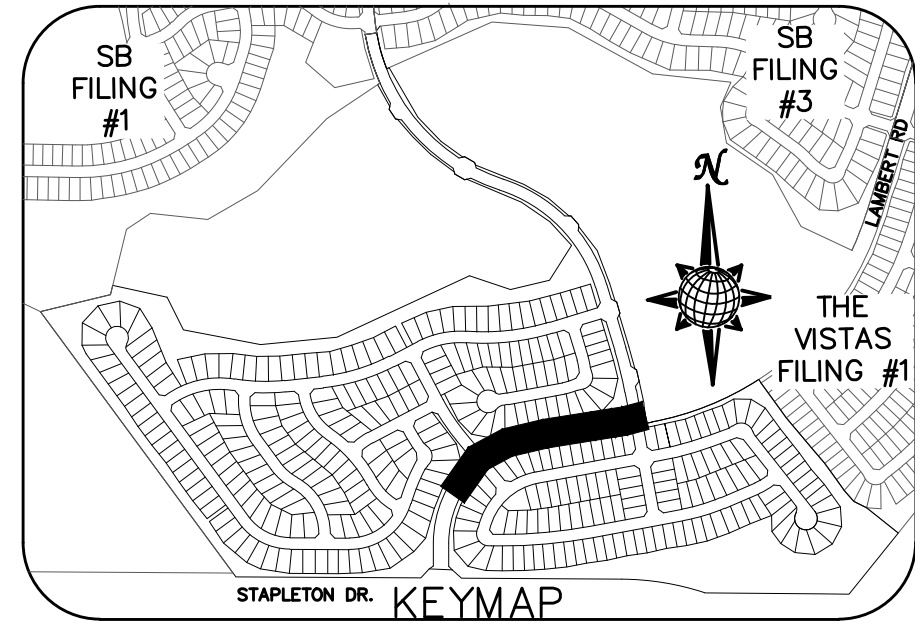
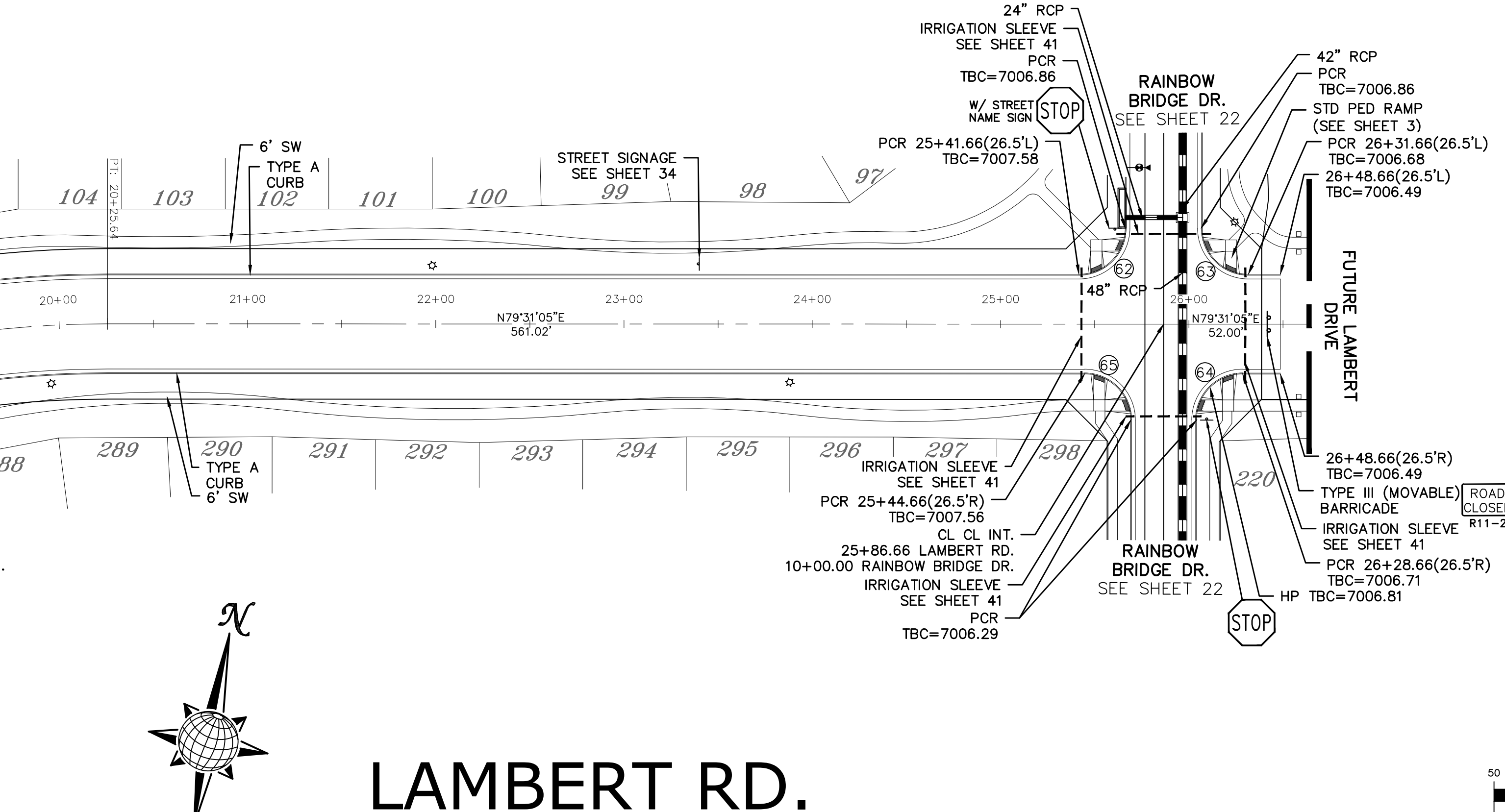
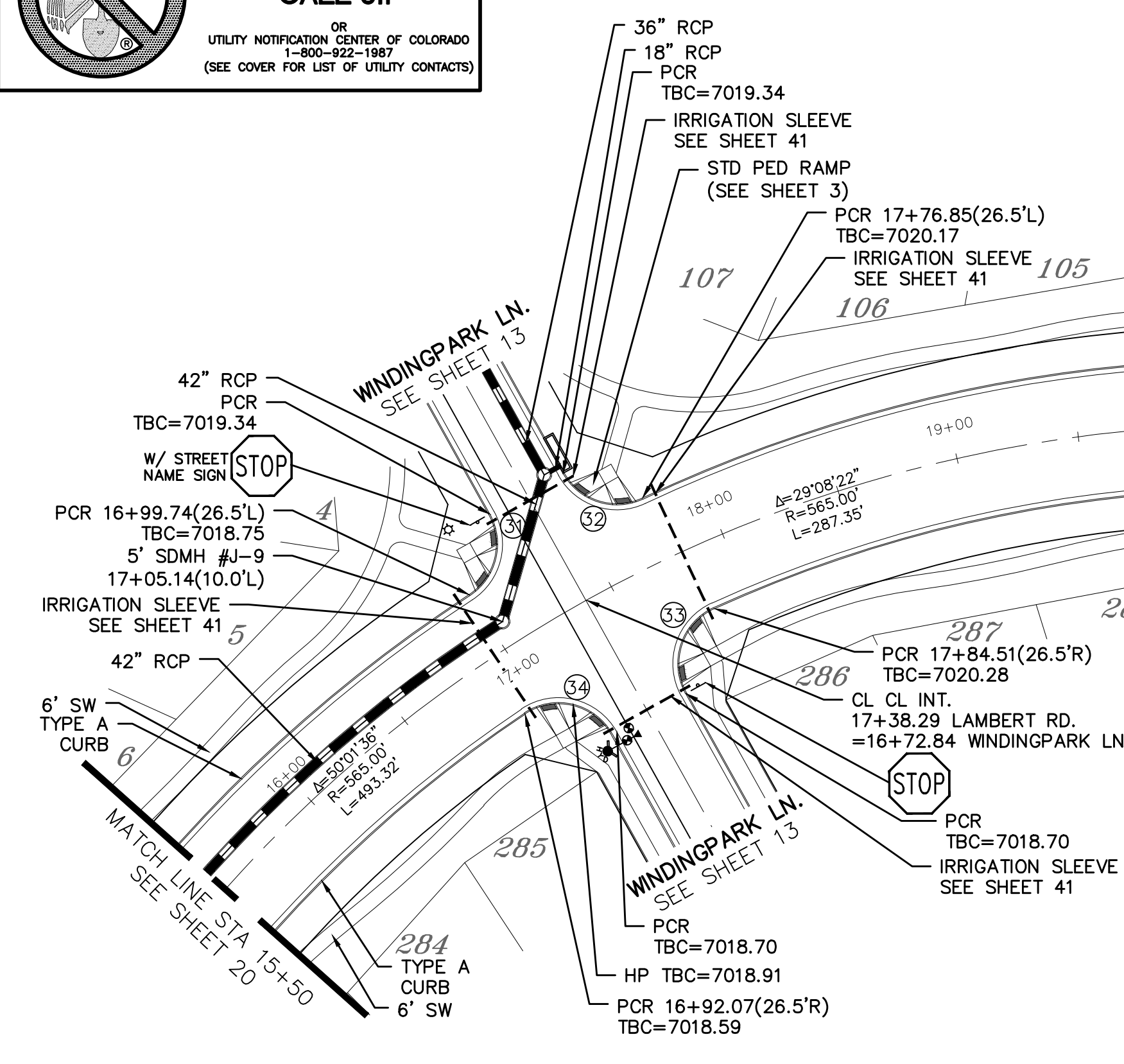
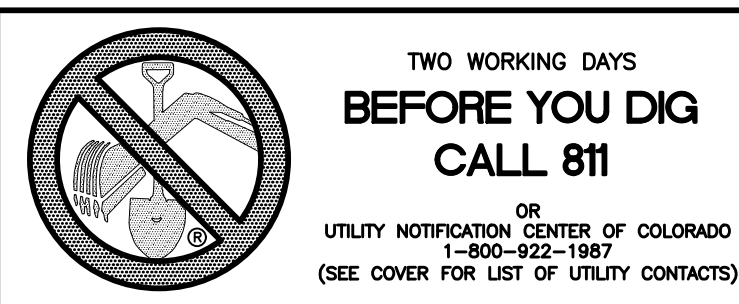
Provide the supporting calculation in sizing the outlet protection in the FDR.

Extend improvement to connect the existing sidewalk located south of the intersection.



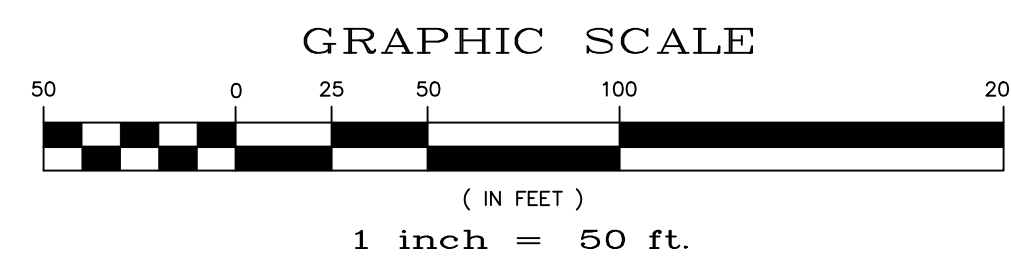
Either upsize the pipe so there is no pressure head or use pressure pipe with watertight joints with a 100yr service life. ECM 3.3.1.D

Date			
Appr.			
Date			
Revisions			
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<p>TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457</p>			
<p>MERIDIAN RANCH</p>			
<p>WINDINGWALK FLAT MERIDIAN RANCH STREET AND UTILITY PLANS LAMBERT RD. + STORM #9</p>			
Drawn by	LOG	Checked by	TAK
Scale	AS SHOWN	Date	JAN 2018
	20 of	55	



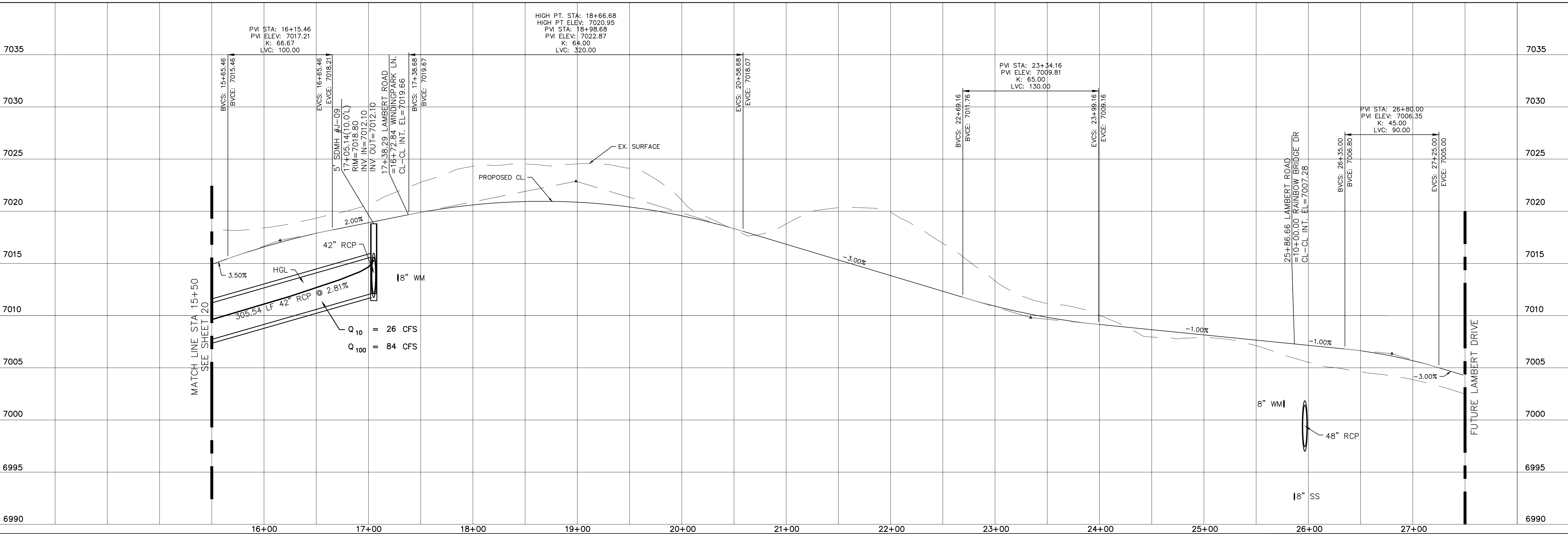
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
31	36.81'	24.50'	86°05'26"
32	36.81'	24.50'	86°05'26"
33	40.49'	24.50'	94°41'13"
34	40.49'	24.50'	94°41'13"
62	38.48'	24.50'	90°00'00"
63	38.48'	24.50'	90°00'00"
64	38.48'	24.50'	90°00'00"
65	38.48'	24.50'	90°00'00"

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



LAMBERT RD.

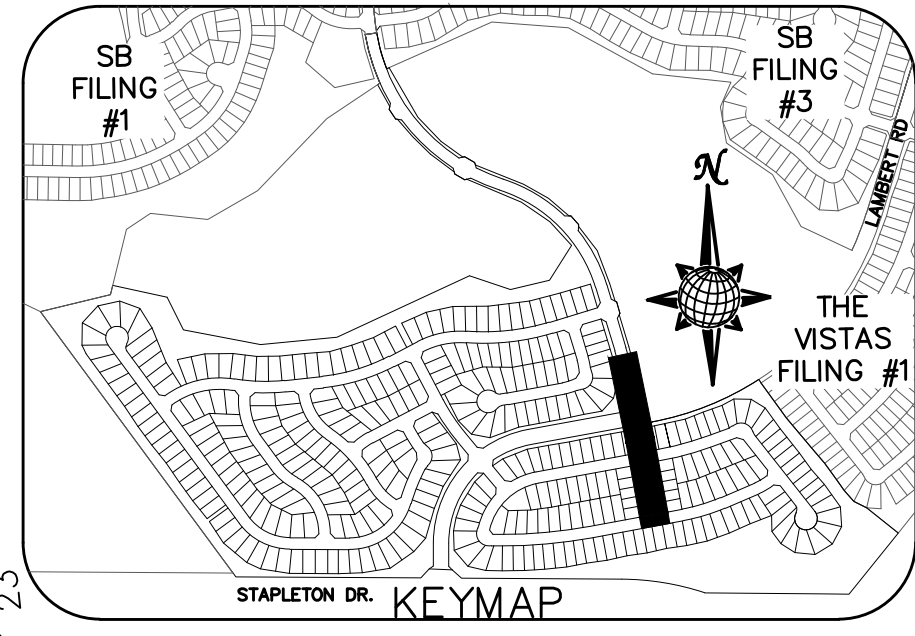
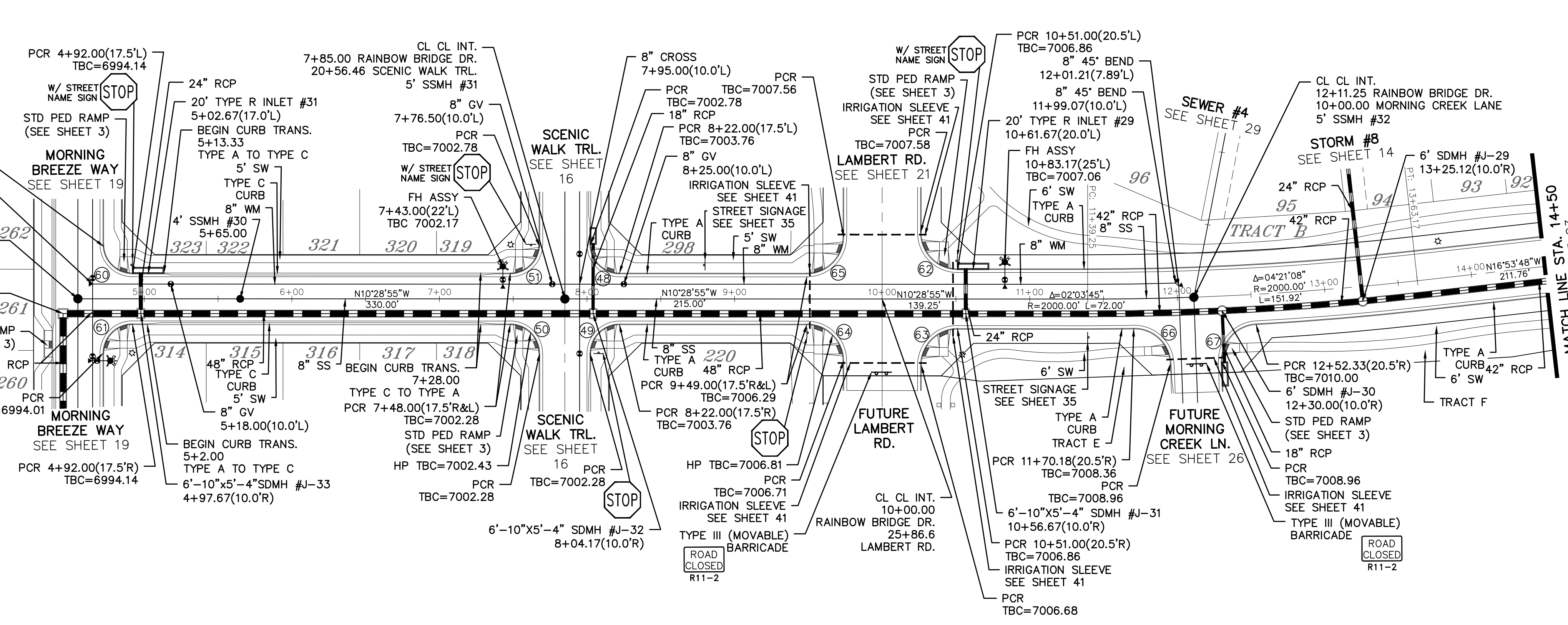
80' WIDE RIGHT OF WAY, 48' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		Revisions	
No.		Date	Appr.
WINDINGWALK FLAT MERIDIAN RANCH STREET AND UTILITY PLANS LAMBERT RD.		Date	
Scale	AS SHOWN	Checked by	TAK
Drawn by	LOG	Date	JAN 2018
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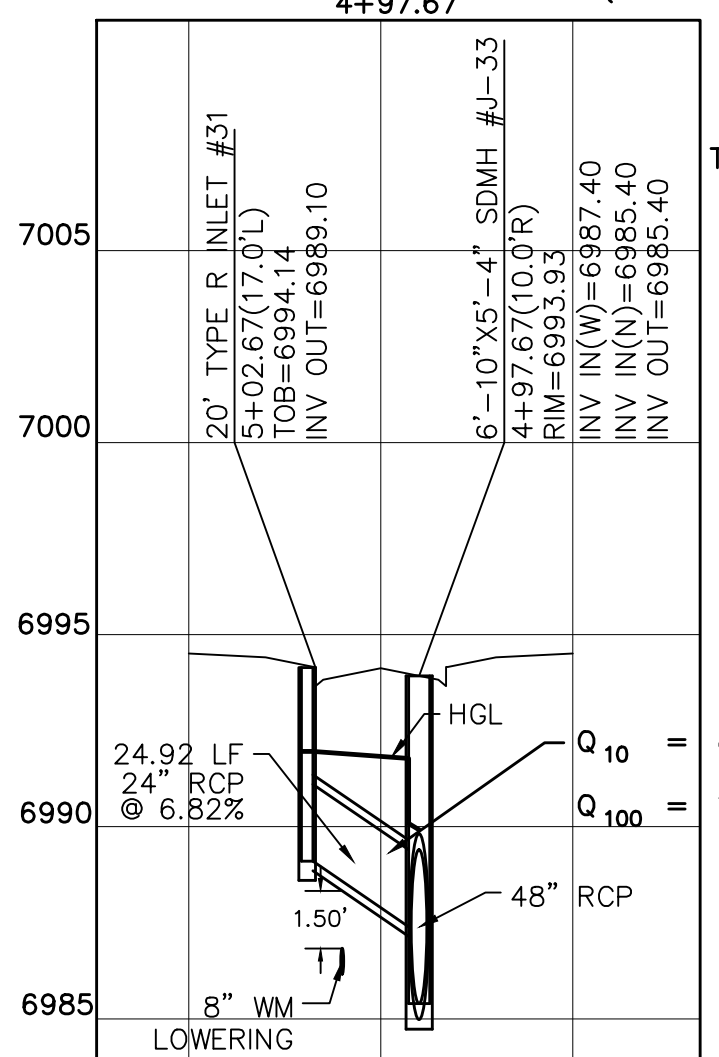
TWO WORKING DAYS BEFORE YOU DIG CALL 811

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



CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
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.)

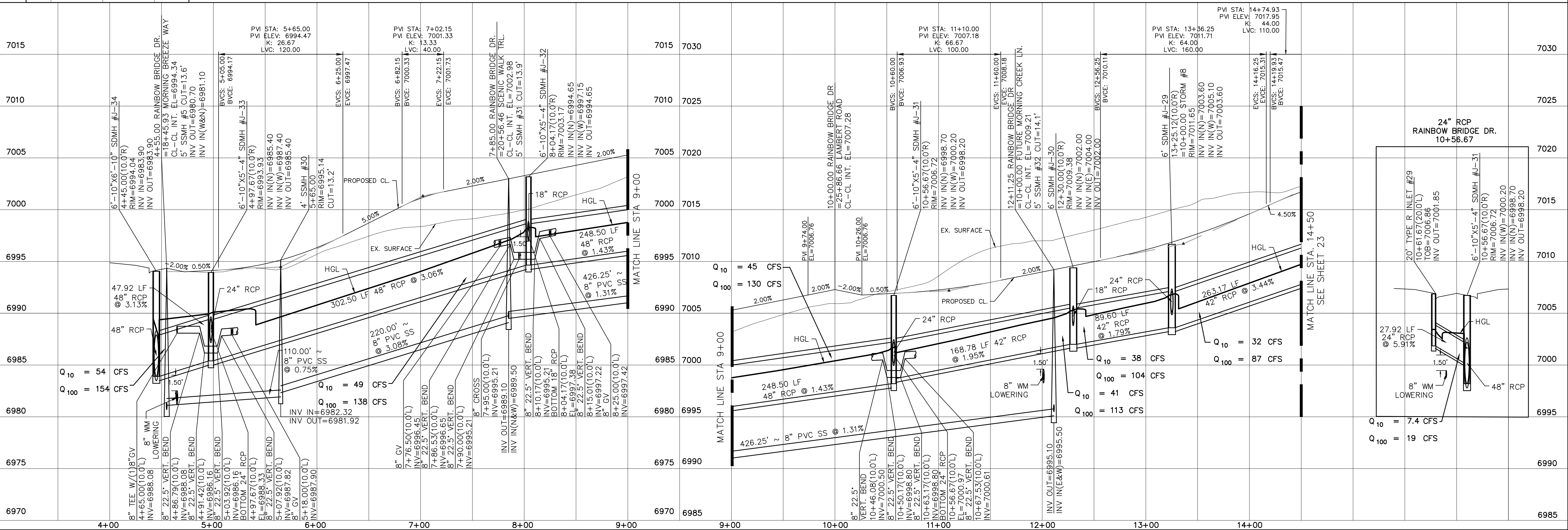
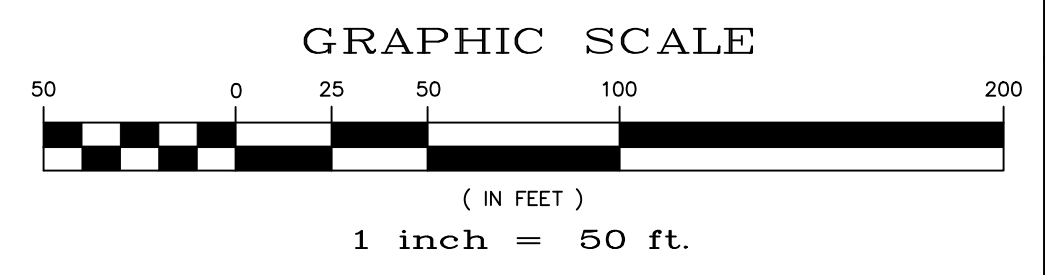


Per earlier comment identify the roadway classification especially in this case where it changes.

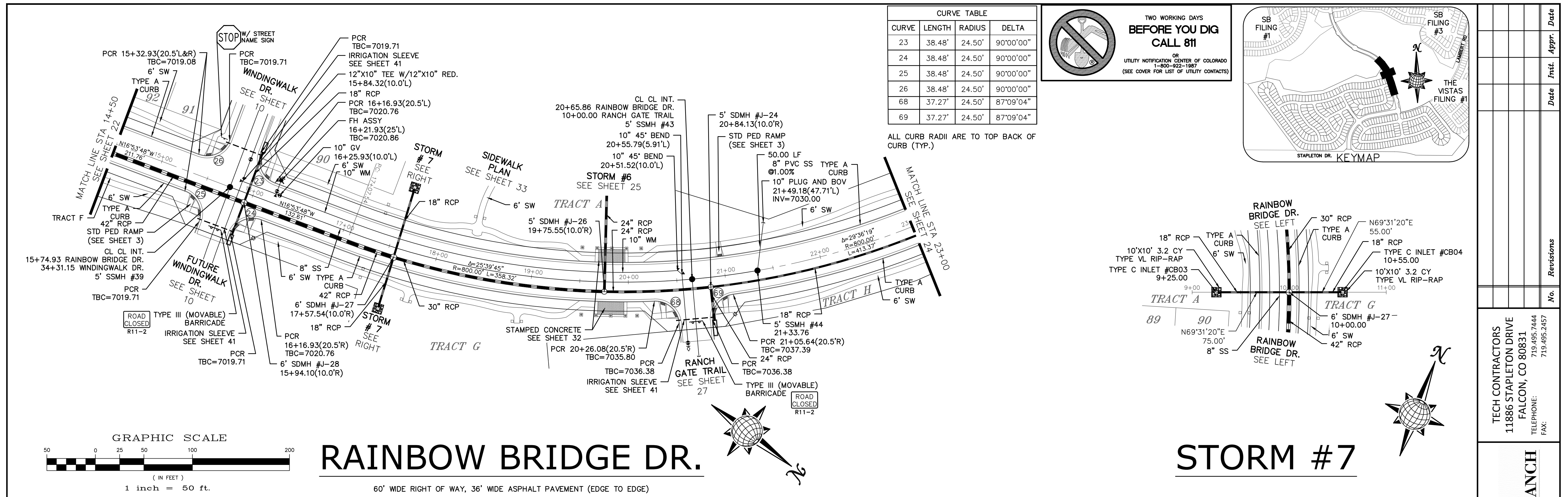
RAINBOW BRIDGE DR.

60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE SOUTH OF LAMBERT DR.)
60' WIDE RIGHT OF WAY, 36' WIDE ASPHALT PAVEMENT (EDGE TO EDGE NORTH OF LAMBERT DR.)

Note the extent (Sta X+XX to Sta X+XX)



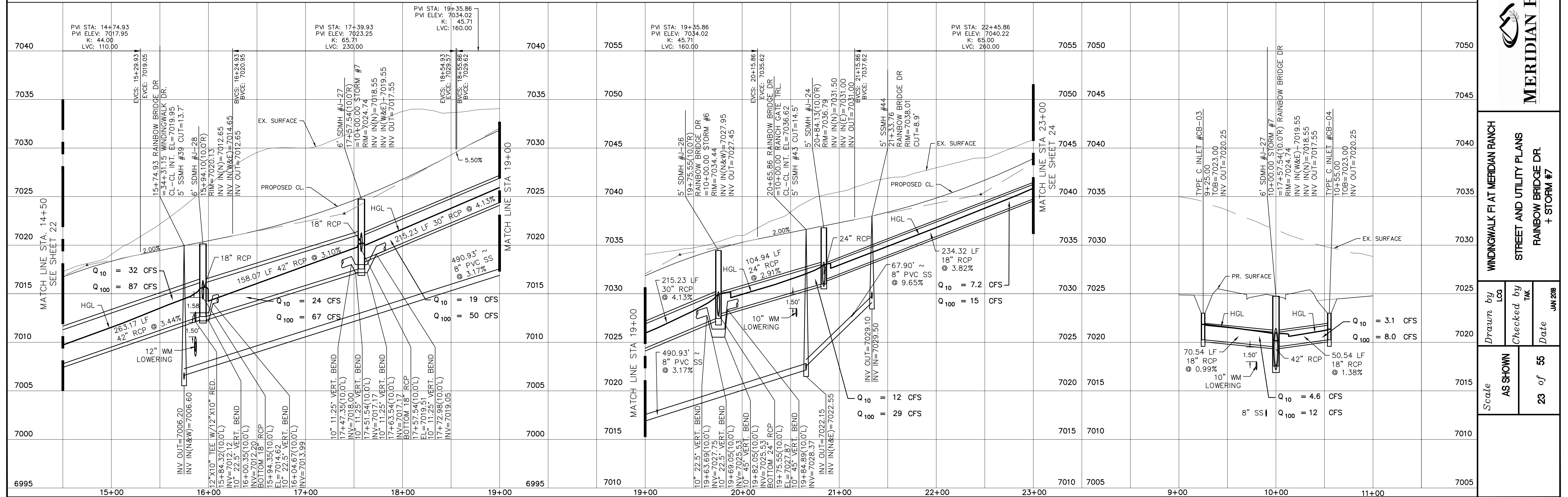
Date	
Appr.	
Date	
Revisions	
No.	
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457	
MERIDIAN RANCH	
WINDINGWALK FL AT MERIDIAN RANCH	
STREET AND UTILITY PLANS	
RAINBOW BRIDGE DR.	
Drawn by	LOG
Checked by	TAK
Date	JAN 2018
Scale	AS SHOWN
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RAINBOW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

STORM #7

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



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

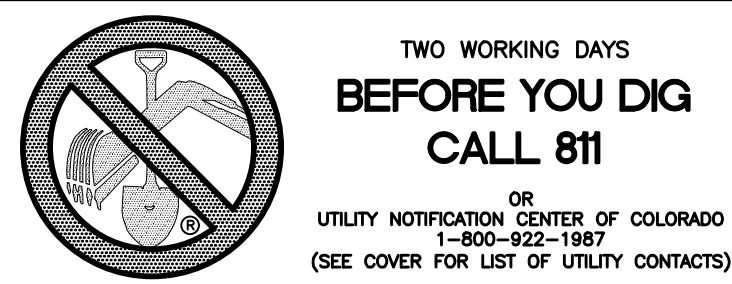

MERIDIAN RANCH

WINDINGWALK FLAT MERIDIAN RANCH
 STREET AND UTILITY PLANS
 RAINBOW BRIDGE DR.
 + STORM #7

Drawn by: LCA
 Checked by: TAK
 Date: JUN 2018

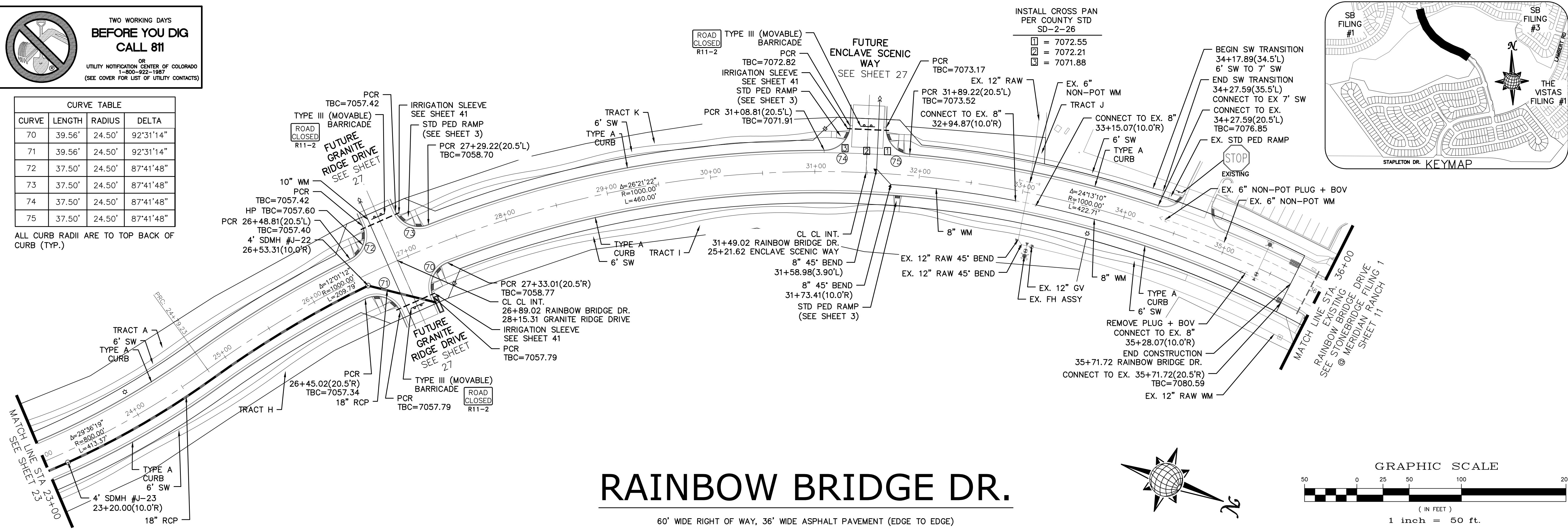
Scale: AS SHOWN
 23 of 55

S:\CADD\Projects\Rainbow Bridge\Drawings\PLAN\STORM\STORM#7.Plan.dwg, 1/20/18 8:51:36 AM



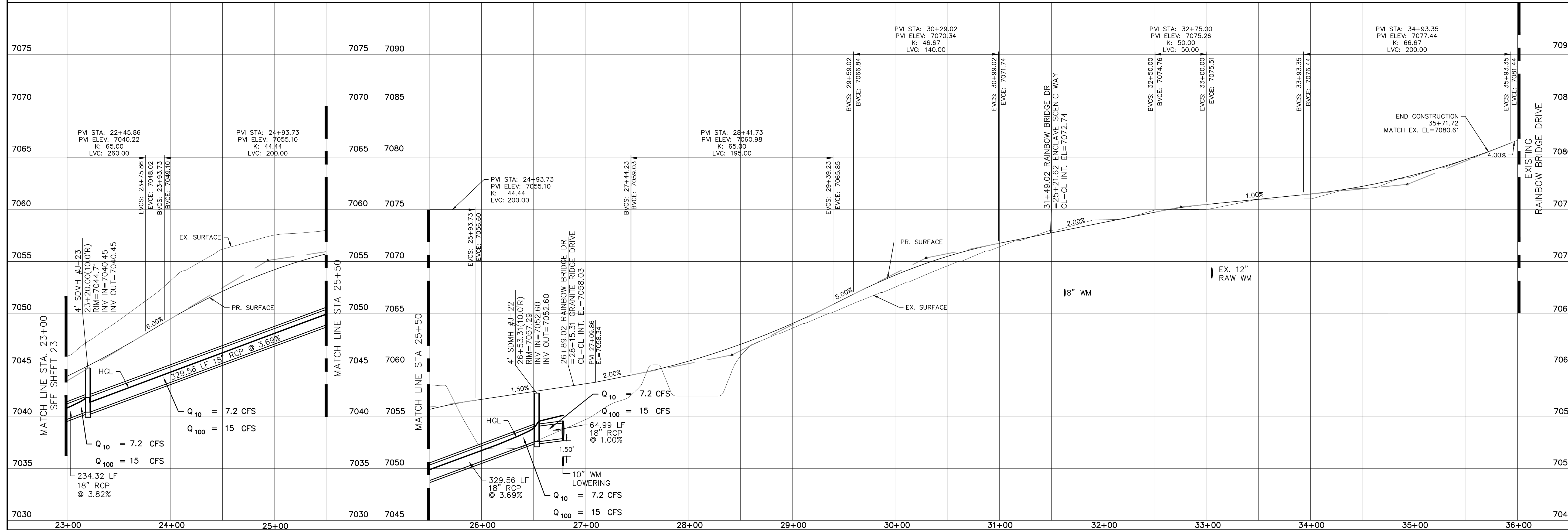
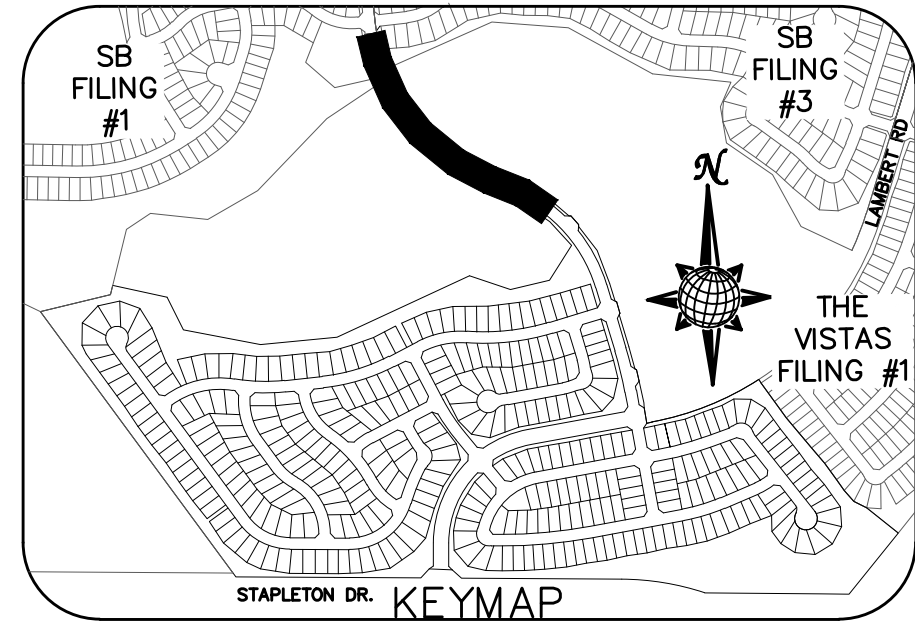
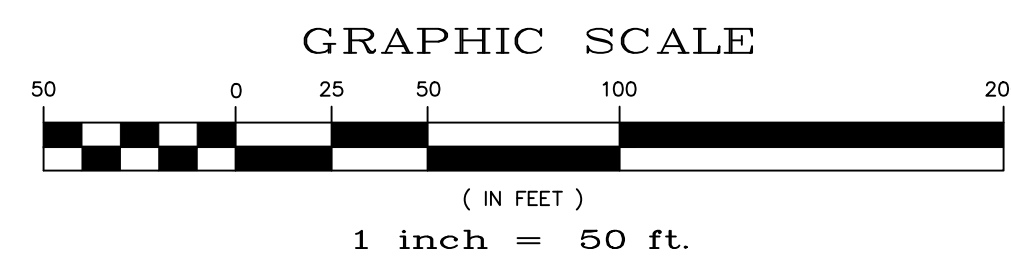
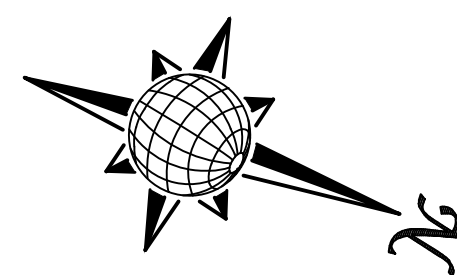
CURVE	LENGTH	RADIUS	DELTA
70	39.56'	24.50'	92°31'14"
71	39.56'	24.50'	92°31'14"
72	37.50'	24.50'	87°41'48"
73	37.50'	24.50'	87°41'48"
74	37.50'	24.50'	87°41'48"
75	37.50'	24.50'	87°41'48"

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



RAINBOW BRIDGE DR.

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

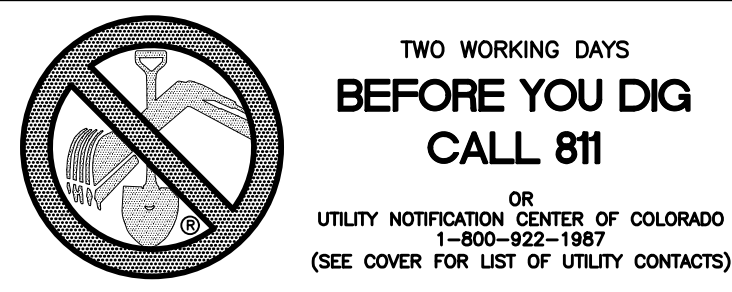


No.	Revisions	Date	Appr.	Date

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

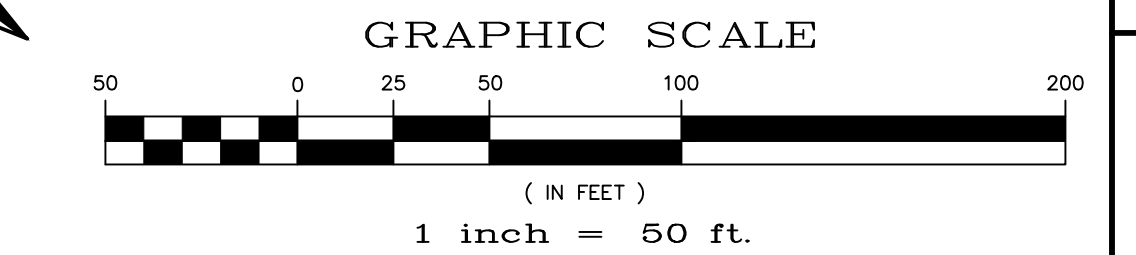
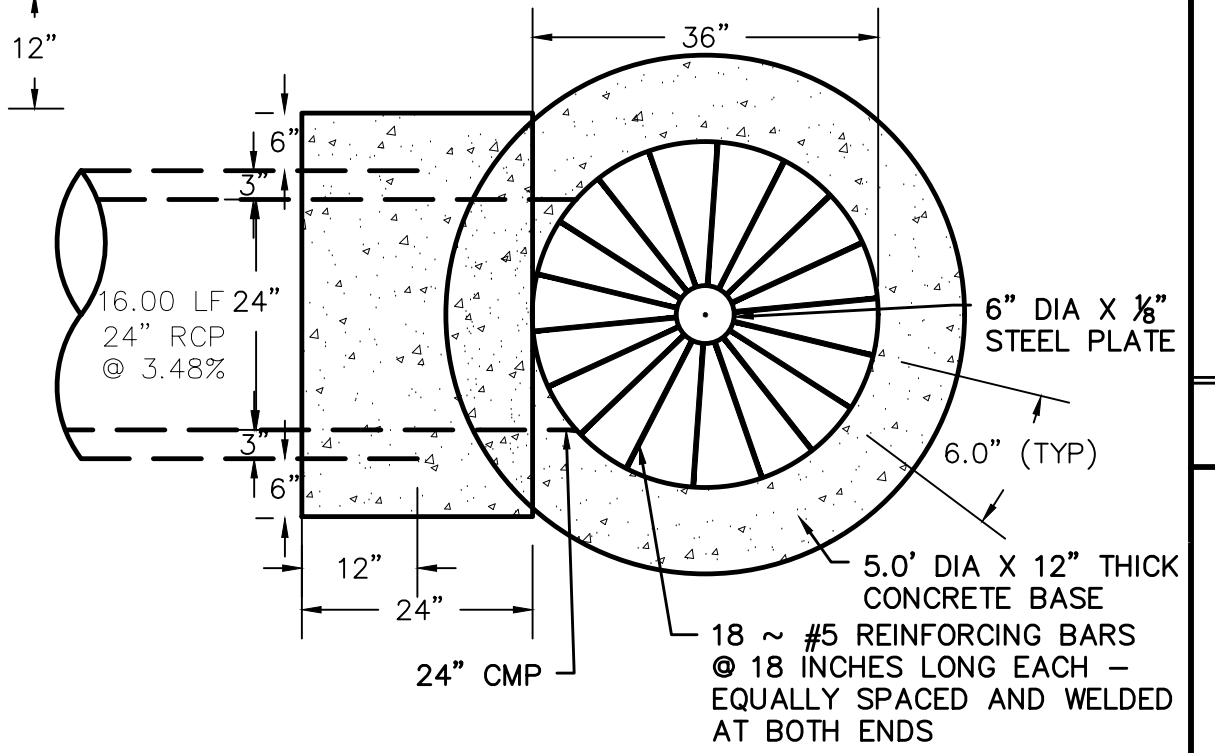
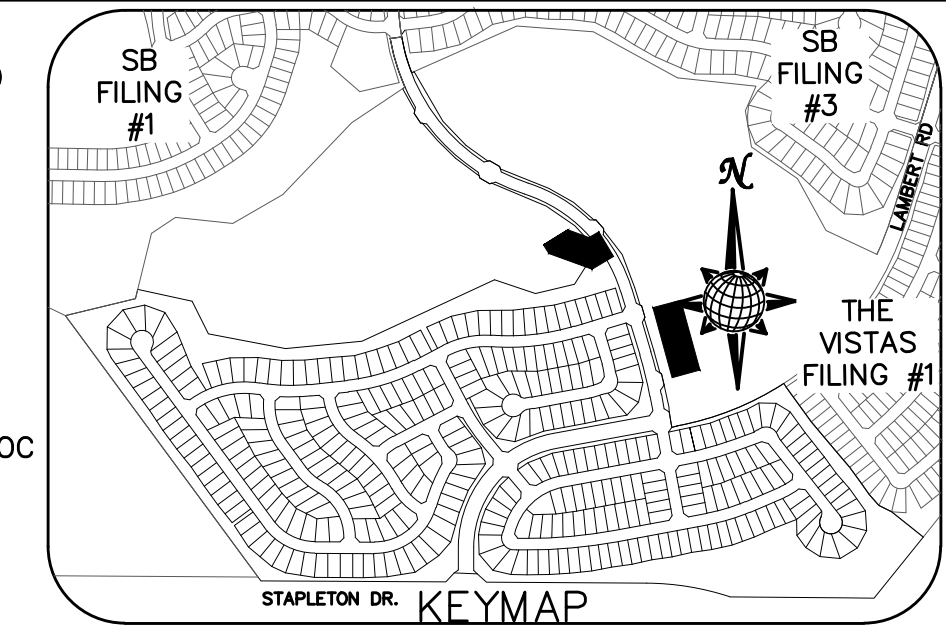
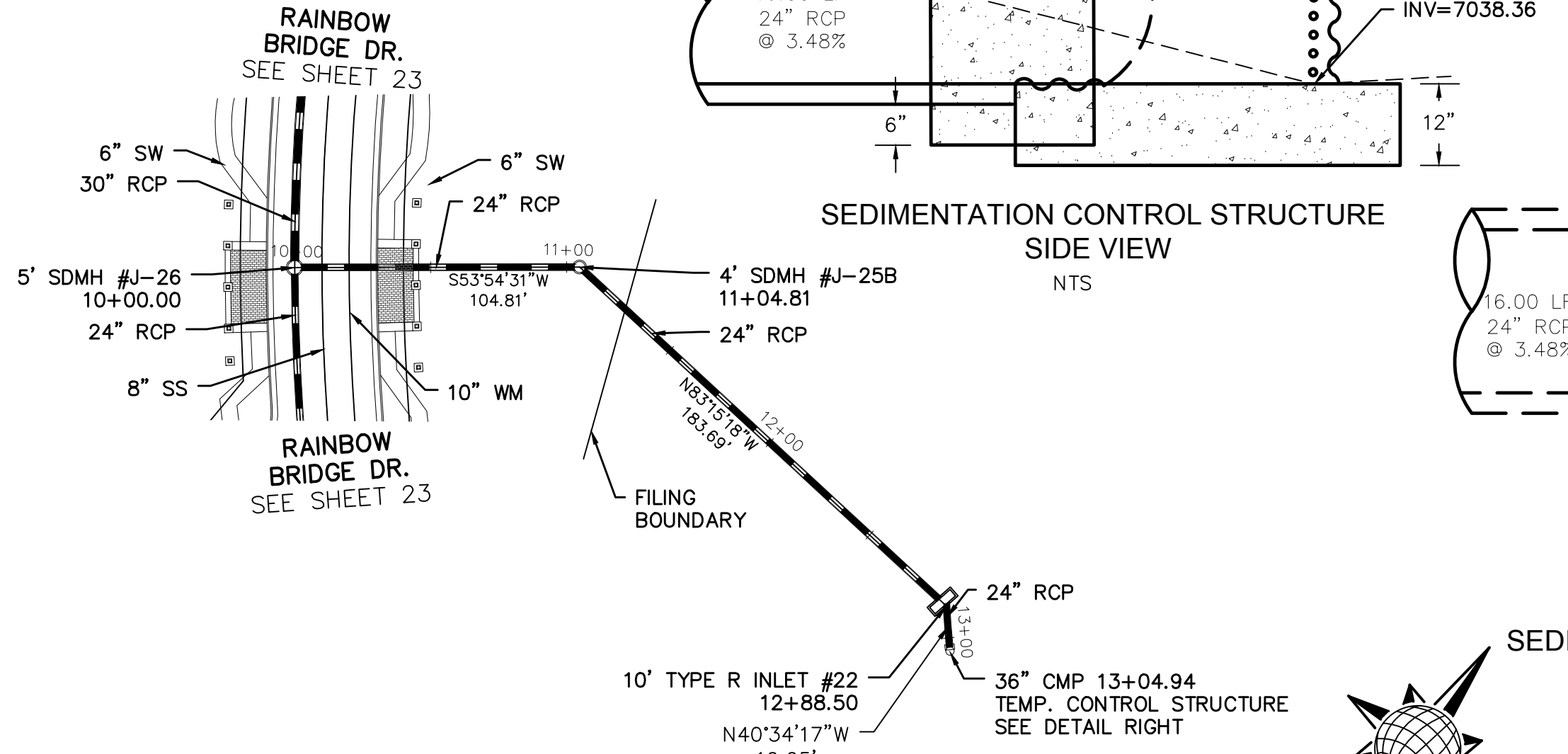
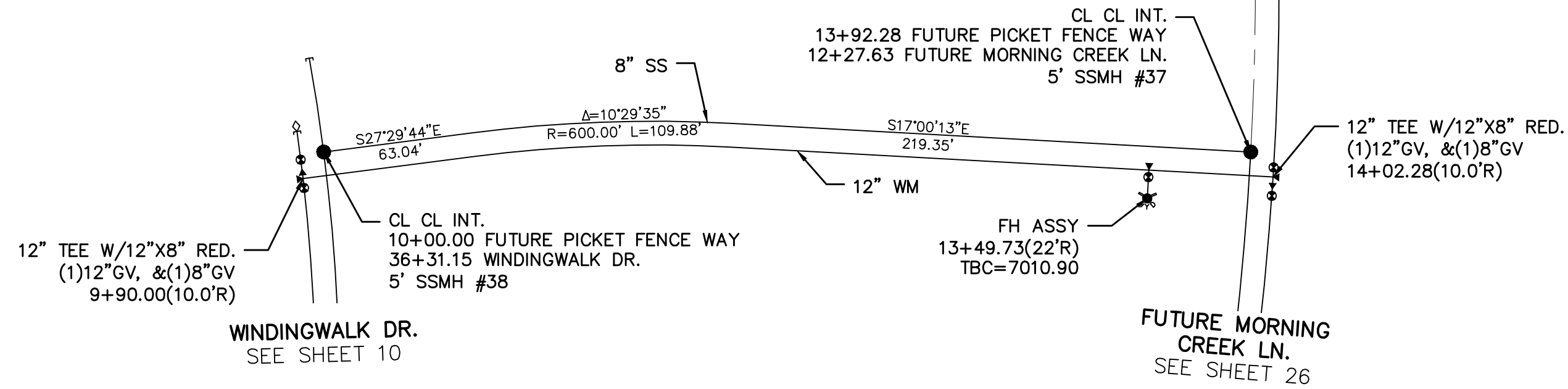
WINDINGWALK FLAT MERIDIAN RANCH	STREET AND UTILITY PLANS
RAINBOW BRIDGE DR.	

Scale	AS SHOWN	24 of 55
Drawn by	LOG	Checked by
		TAK
		Date
		JAN 2018



WINDINGWALK DR.
SEE SHEET 10

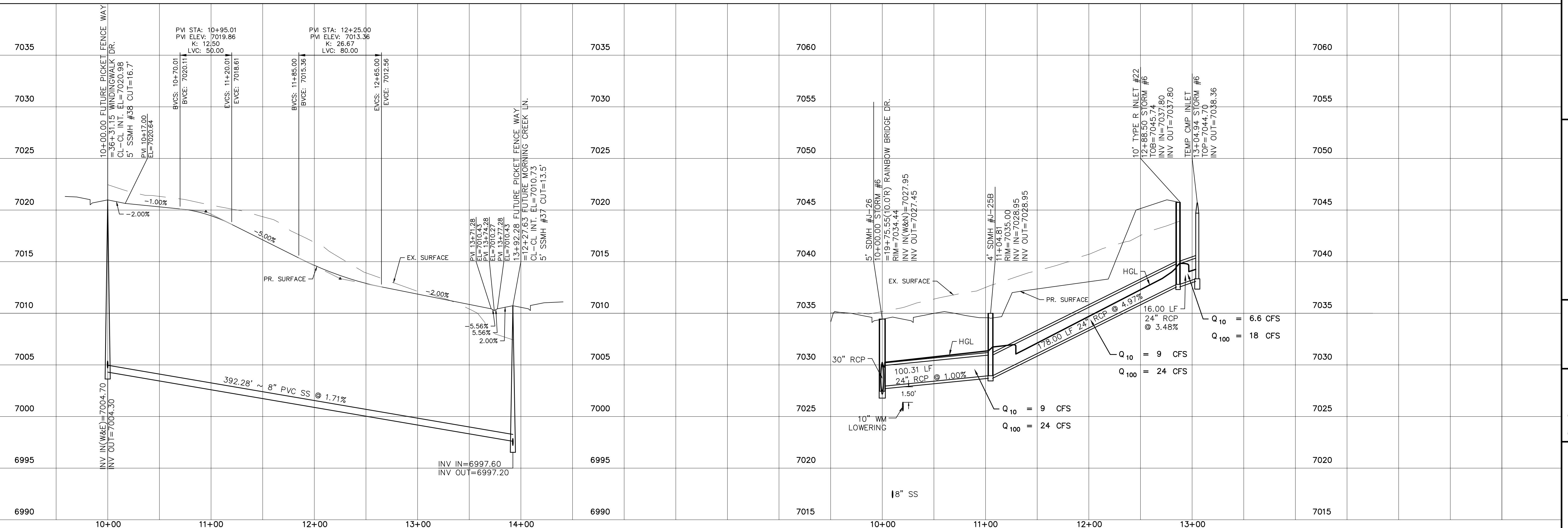
FUTURE MORNING CREEK LN.
SEE SHEET 26



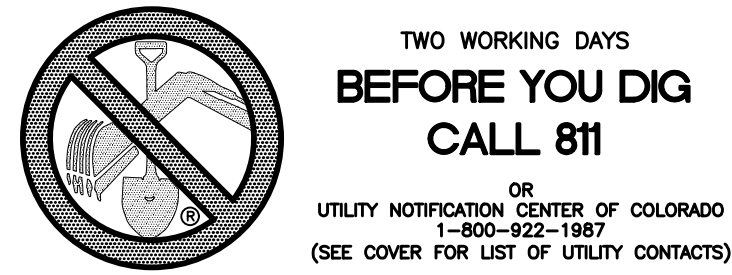
FUTURE PICKET FENCE WAY

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

STORM #6

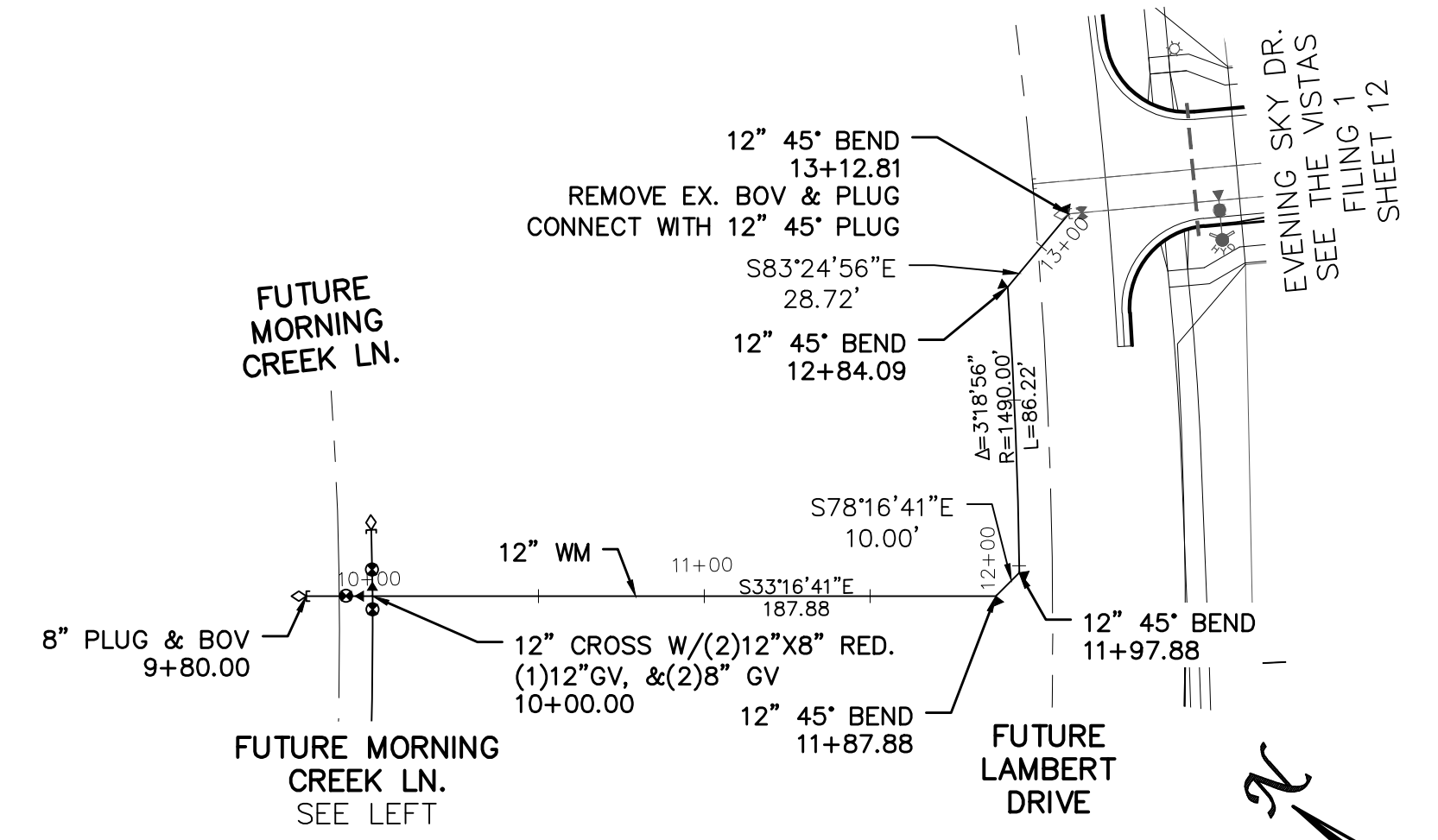
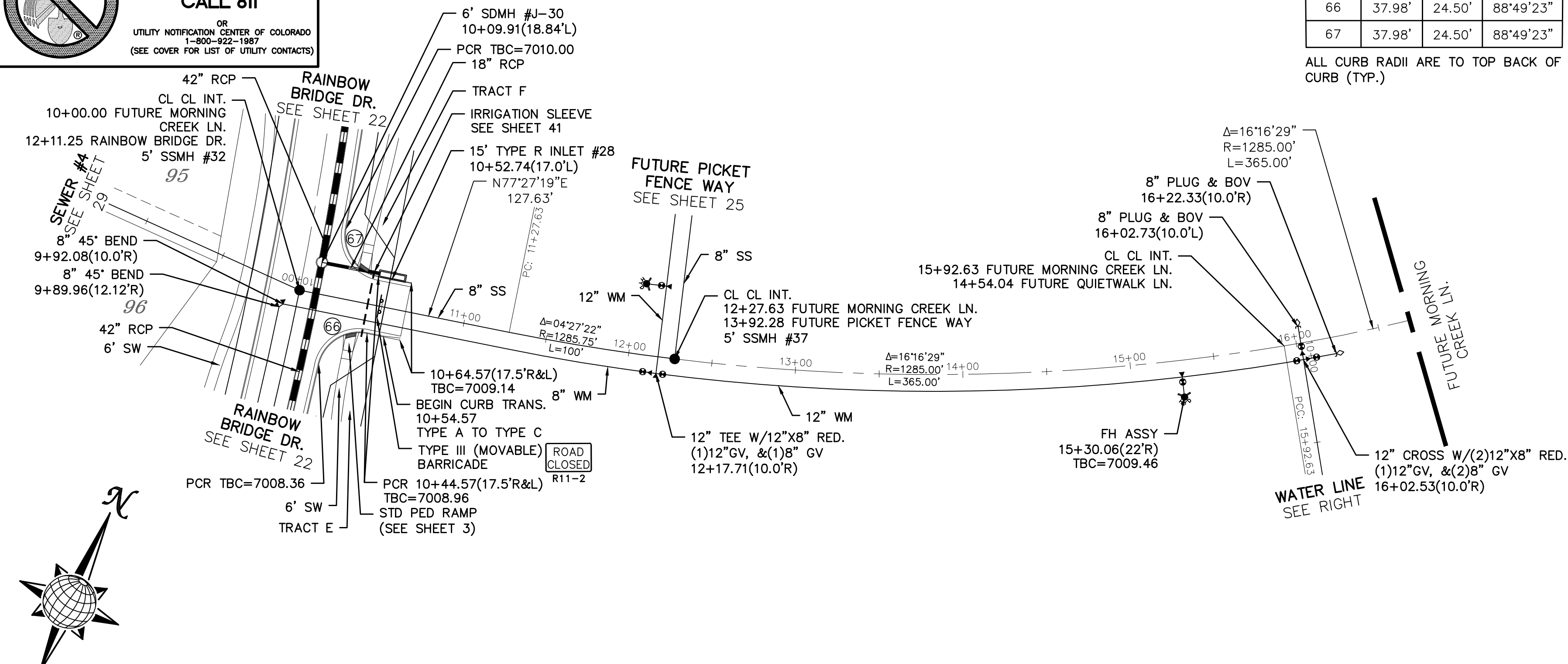
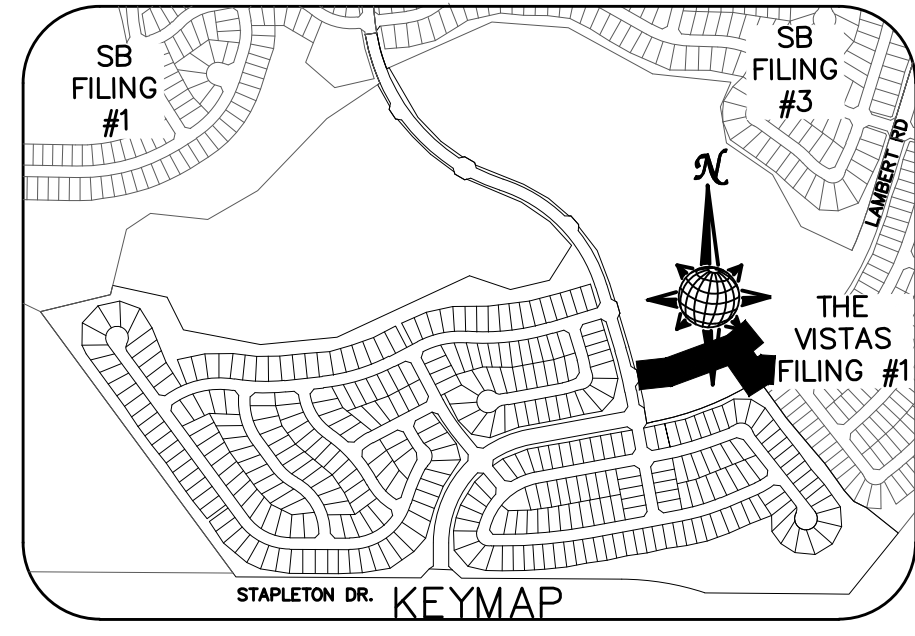
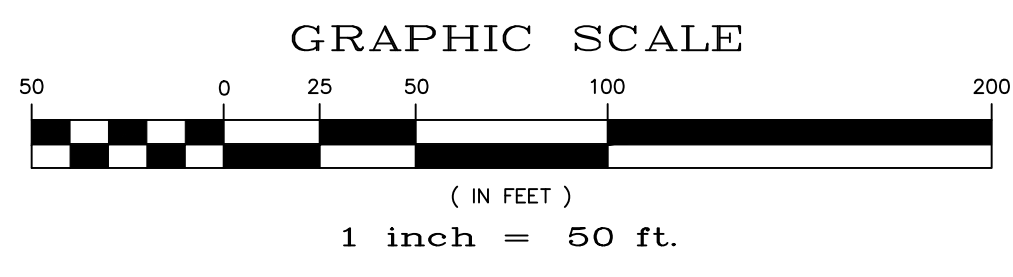


TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		No.	Revisions	Date	Appr.	Date
		WINDINGWALK FLAT MERIDIAN RANCH		STREET AND UTILITY PLANS		
		FUTURE PICKET FENCE WAY + STORM #6				
Scale	AS SHOWN	Drawn by	LCG	Checked by	TAK	Date
	25 of 55					JUN 2018



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

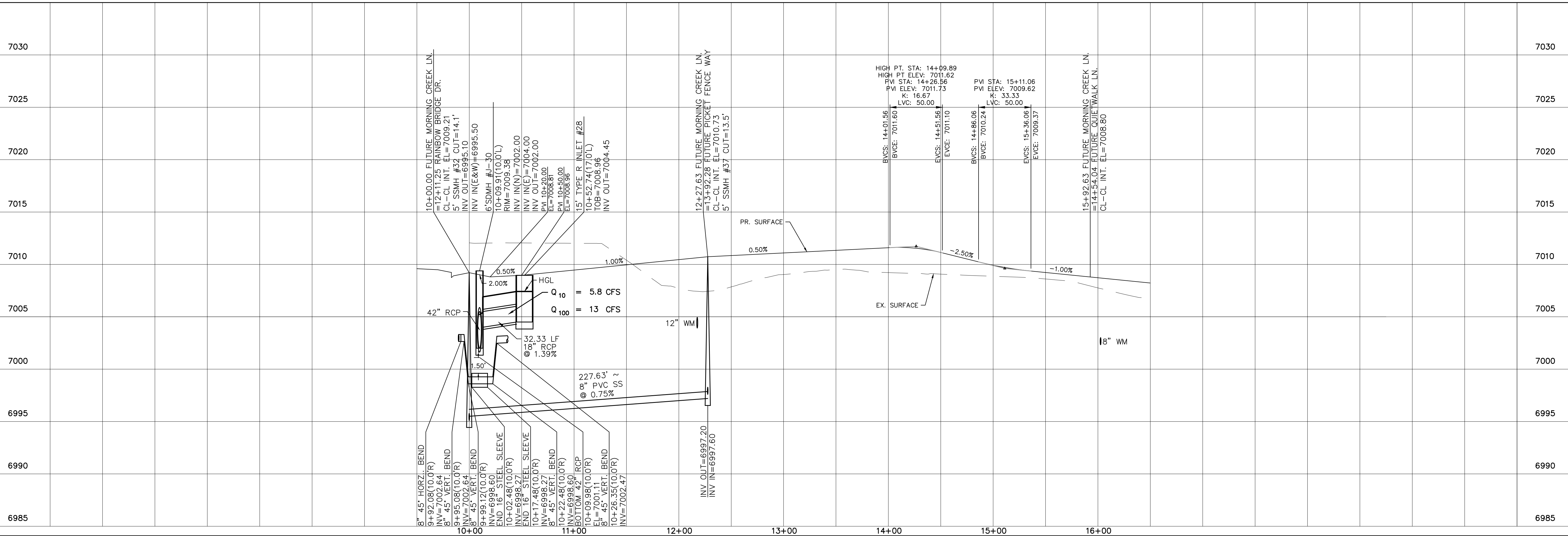
ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)



FUTURE MORNING CREEK LN.

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

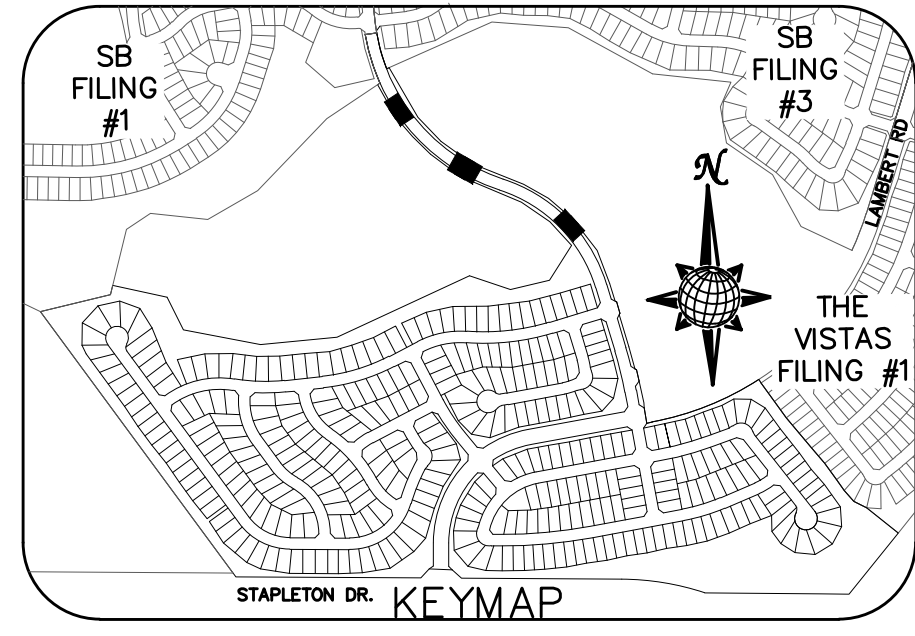
12" WATER MAIN



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	Appr.	
	Date	
	Revisions	
	No.	
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		
 MERIDIAN RANCH		
WINDINGWALK FLAT MERIDIAN RANCH STREET AND UTILITY PLANS FUTURE MORNING CREEK LN. + 12" WATER MAIN		
Scale	AS SHOWN	26 of 55
Drawn by	LCG	Checked by
		TAK
		Date
		JAN 2018

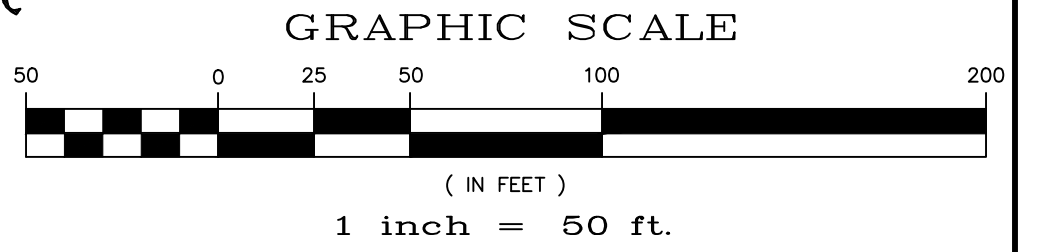
INSTALL CROSS PAN
PER COUNTY STD
SD-2-26

= 7072.55
 = 7072.21
 = 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

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

GRANITE RIDGE DR.

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

RANCH GATE TRL.

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

**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)

No.	Revisions	Date	Appr.	Date

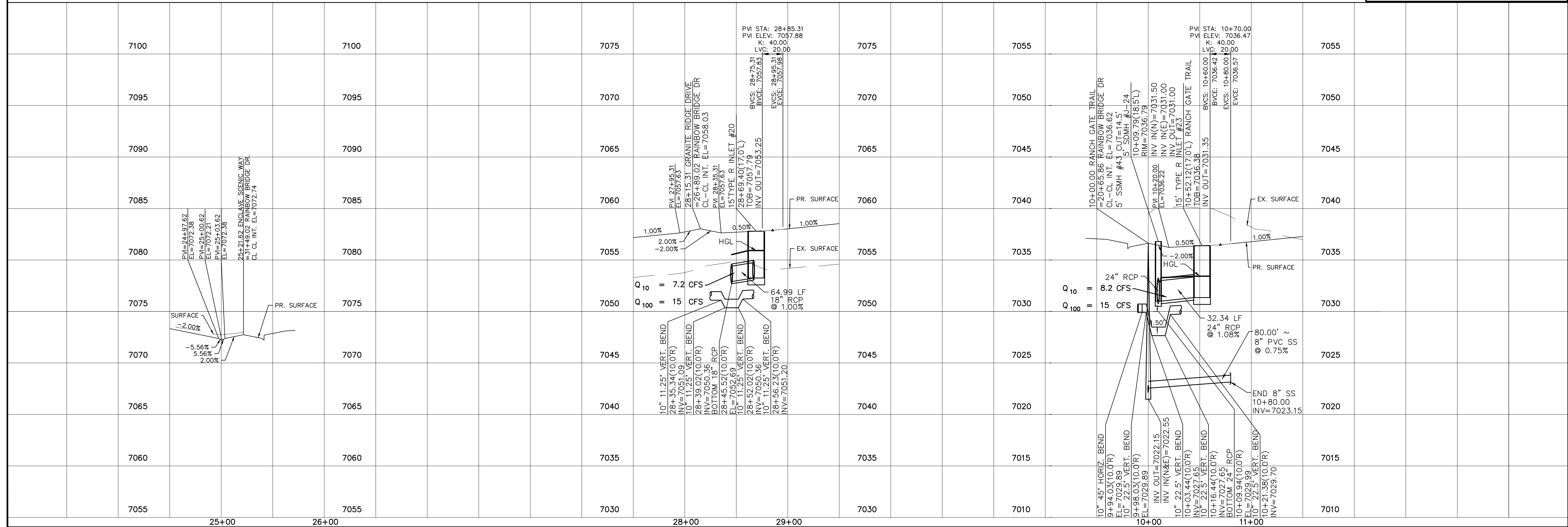
TECH CONTRACTORS
11886 STAPLETON DRIVE
FALCON, CO 80831
TELEPHONE: 719.495.7444
FAX: 719.495.2457

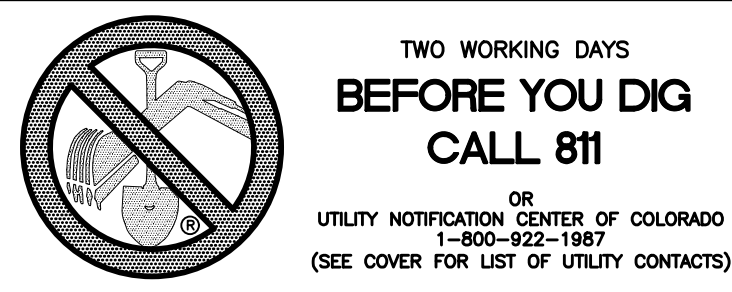
MERIDIAN RANCH

WINDINGWALK FLAT MERIDIAN RANCH
STREET AND UTILITY PLANS
RAINBOW BRIDGE INTERSECTIONS

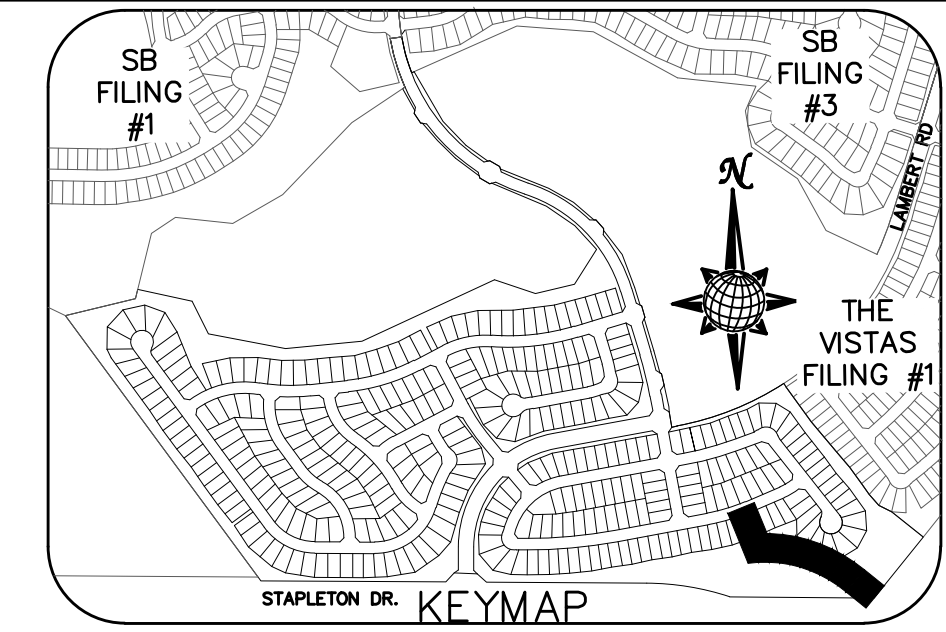
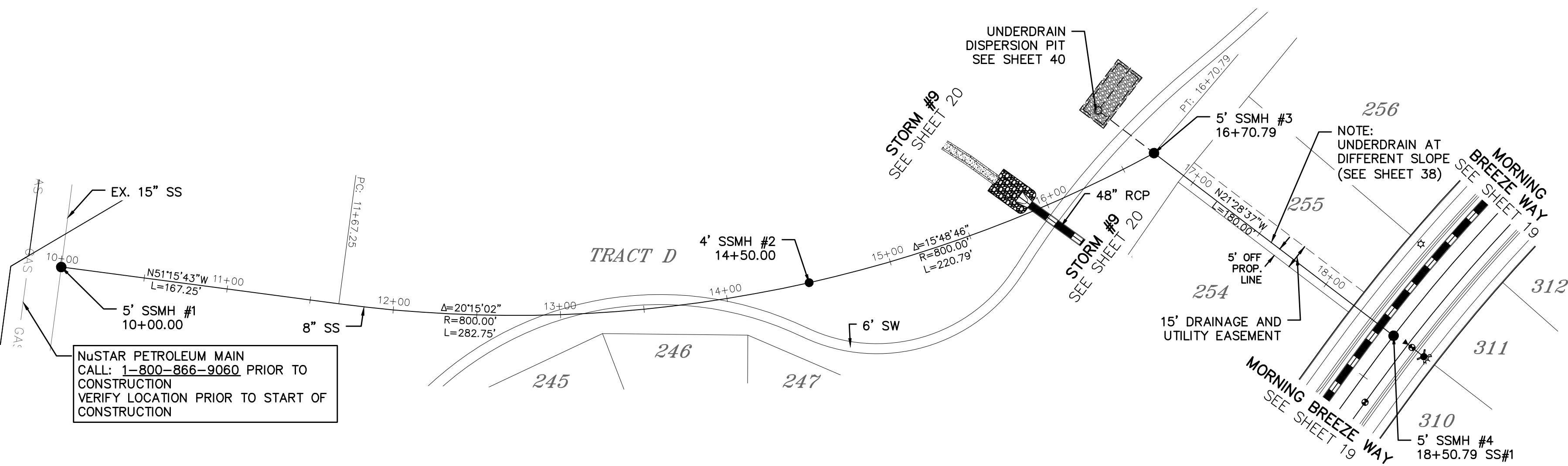
Drawn by: LGA
 Checked by: TAK
 Date: JUN 2018

Scale: AS SHOWN
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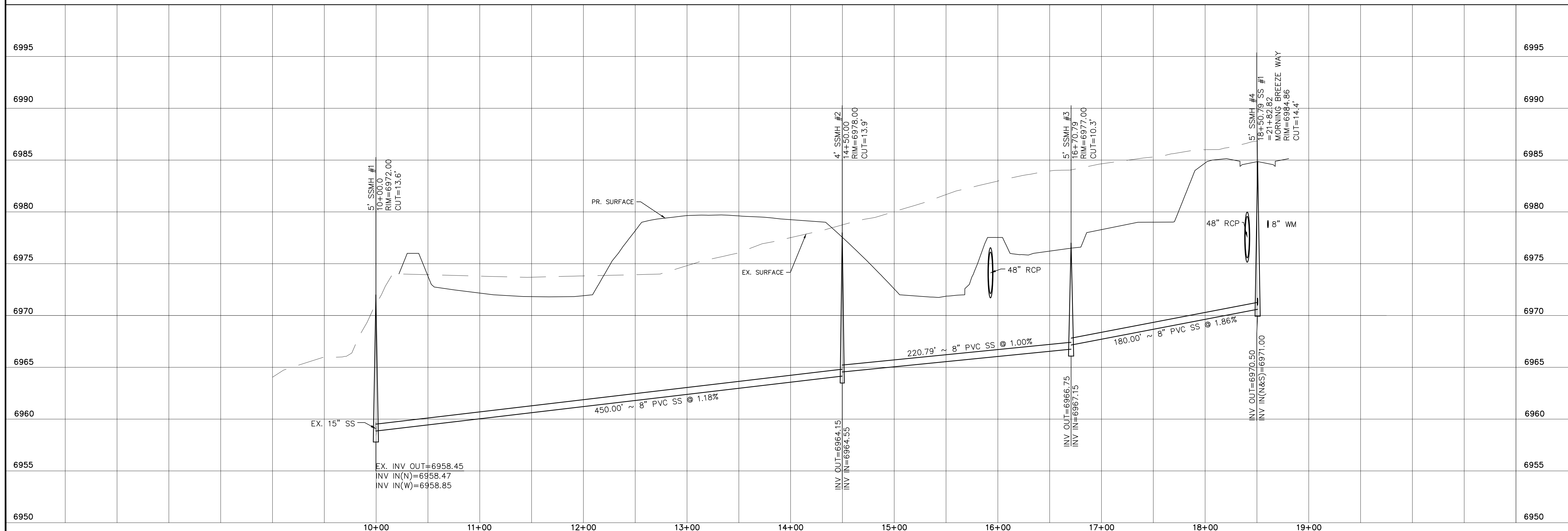
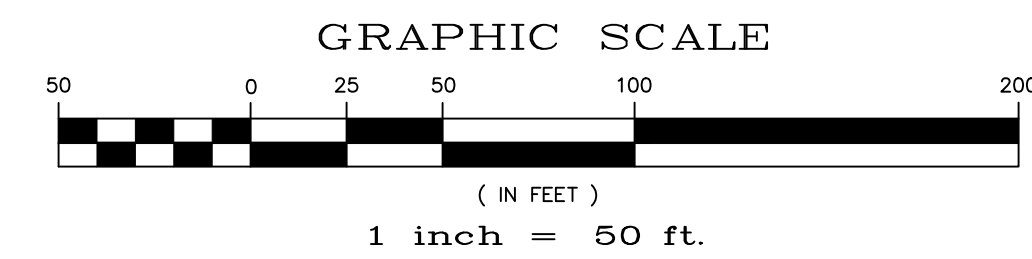
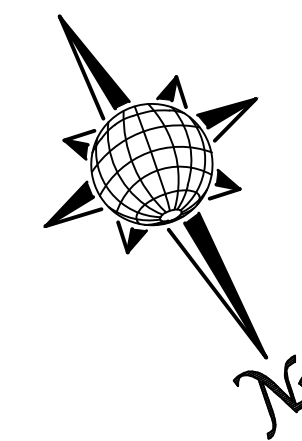




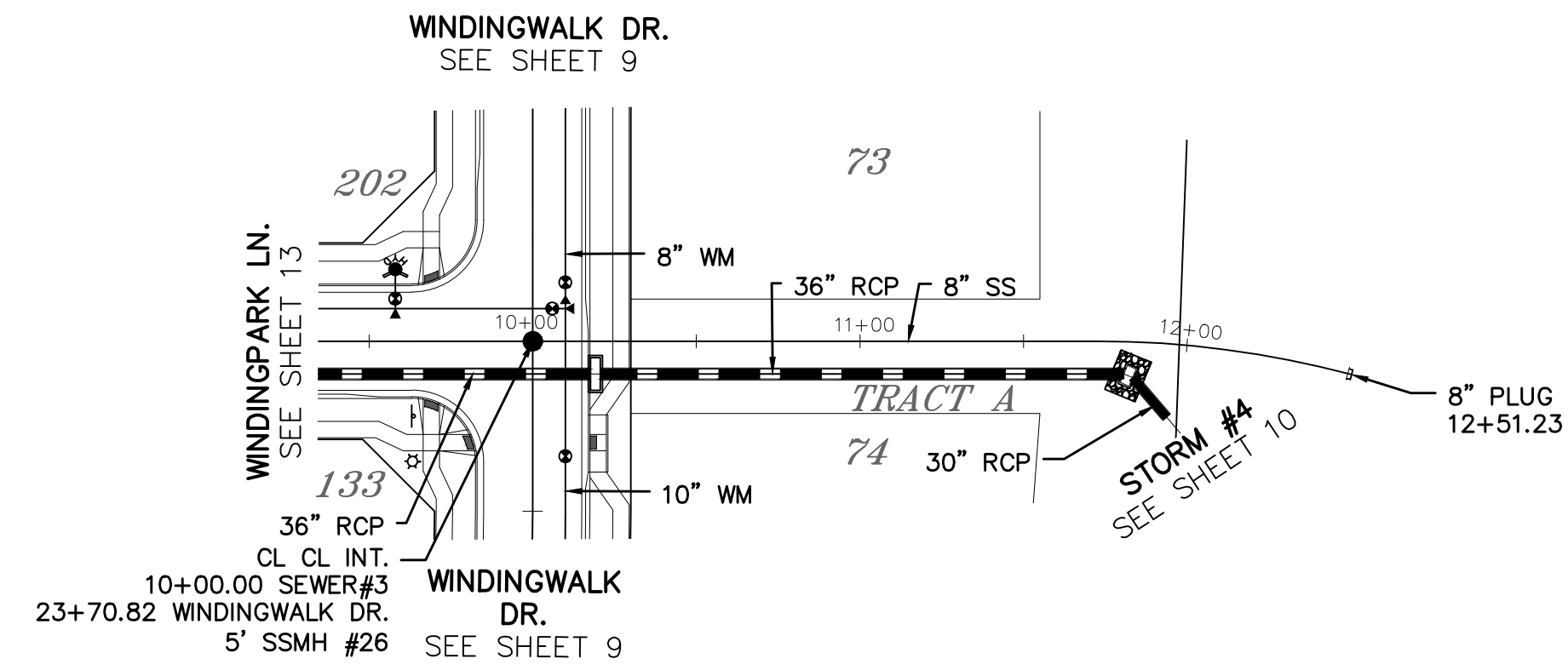
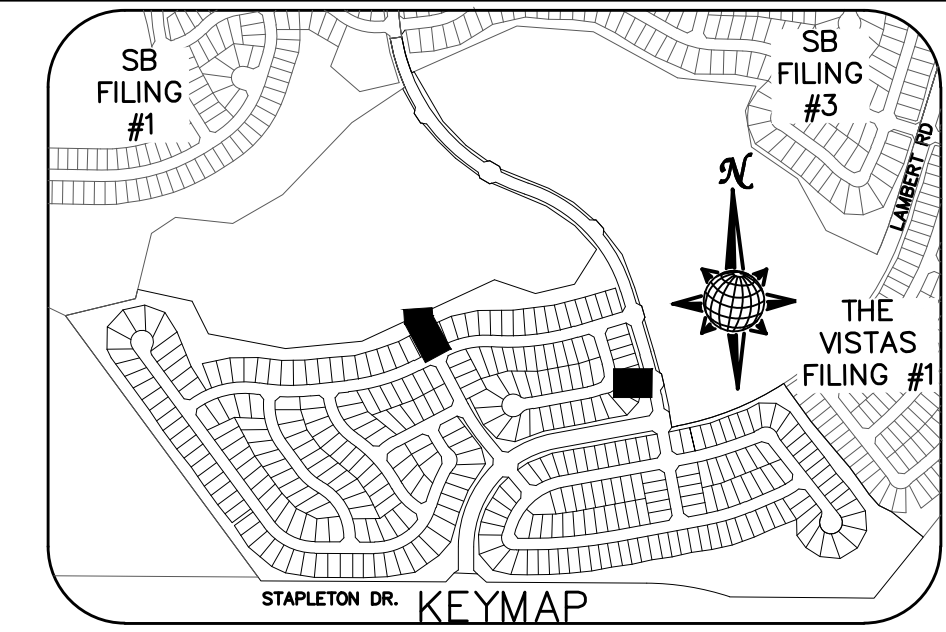
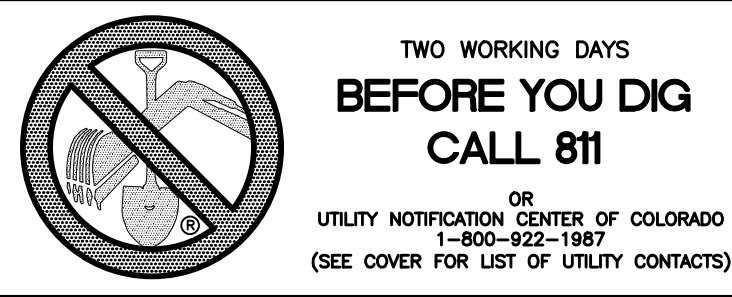
EASTONVILLE RD



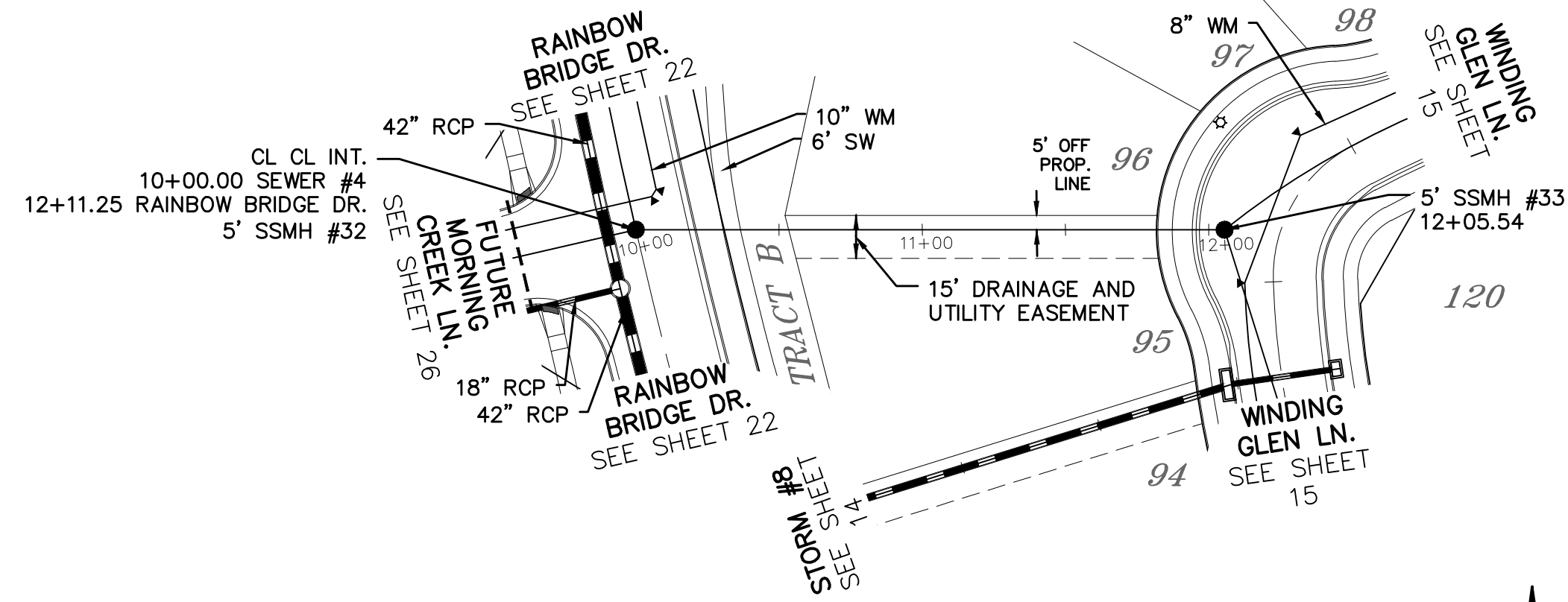
SEWER #1



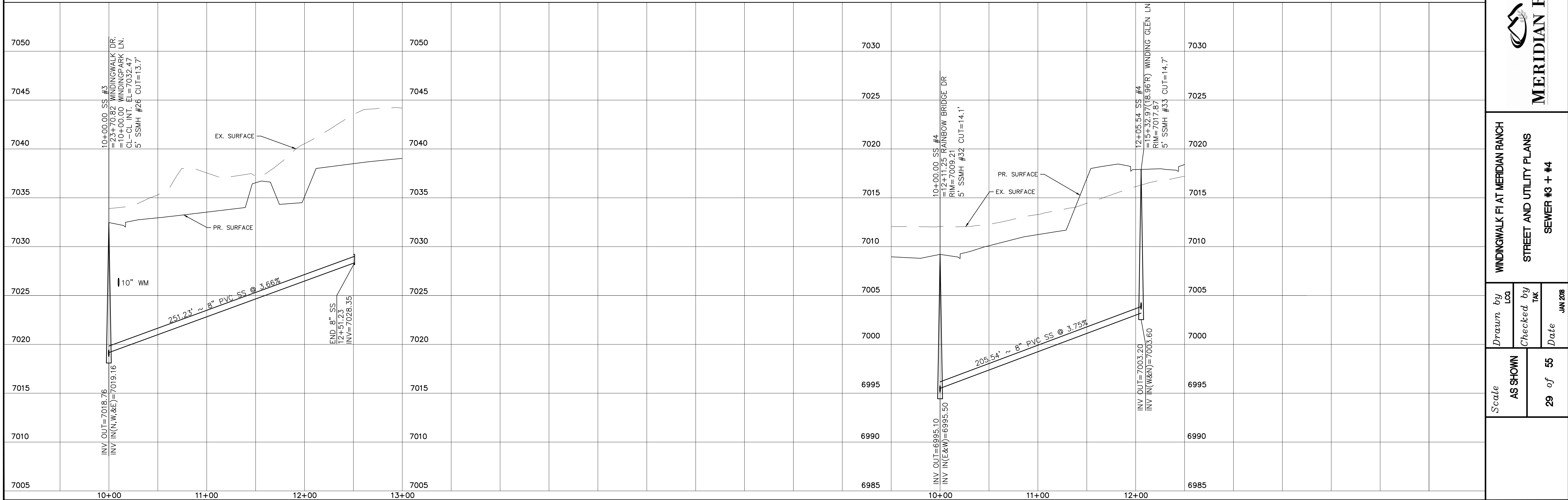
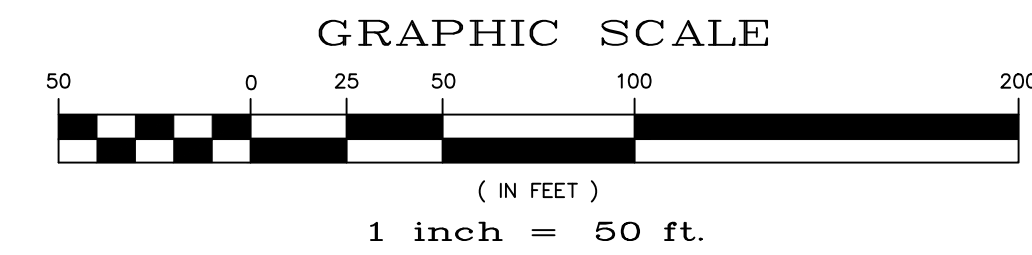
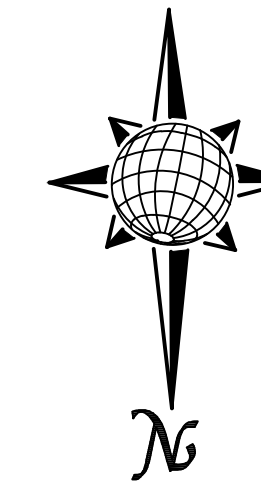
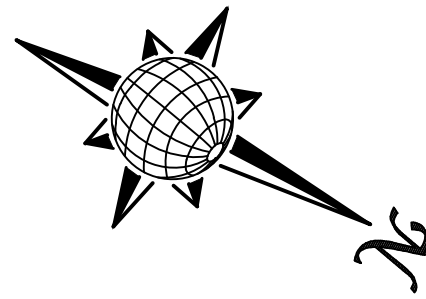
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		No.	Revisions	Date	Appr.	Date
 WINDINGWALK FLAT MERIDIAN RANCH STREET AND UTILITY PLANS SEWER #1		Drawn by		Checked by		Date
		LOG	TAK	JUN 2018		
Scale AS SHOWN		28 of 55				



SEWER #3

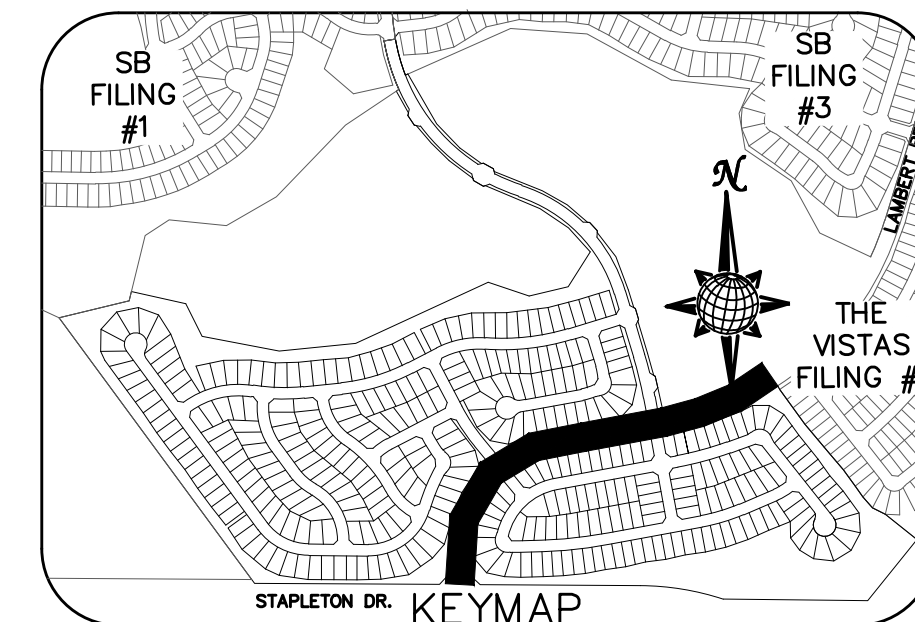
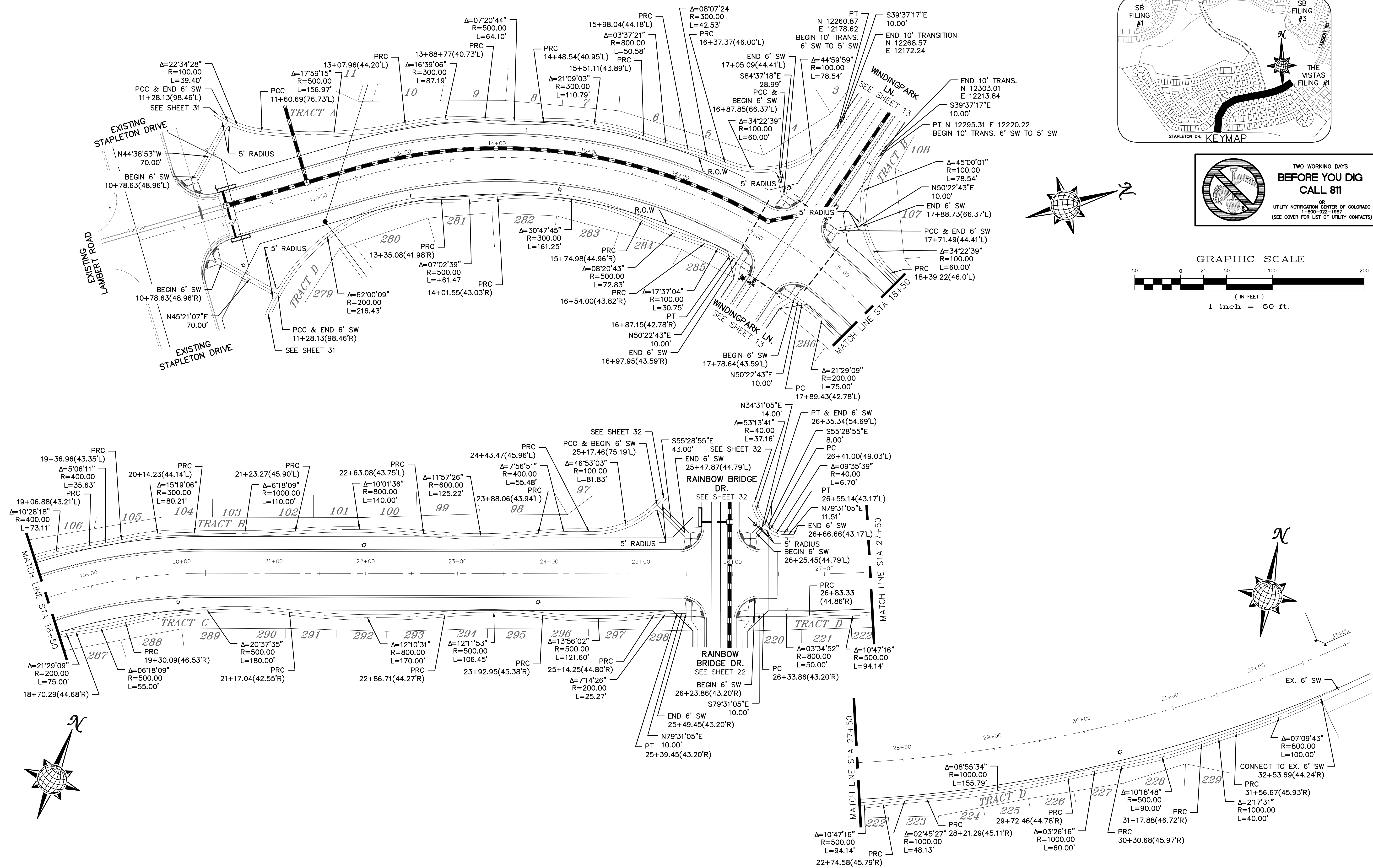


SEWER #4



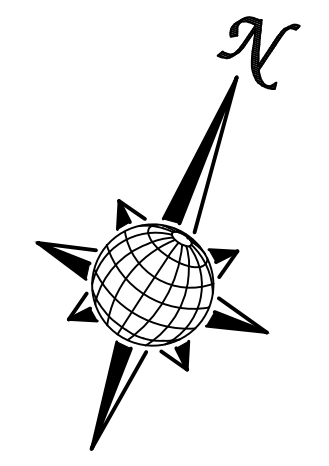
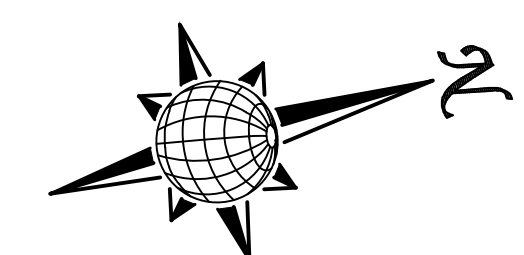
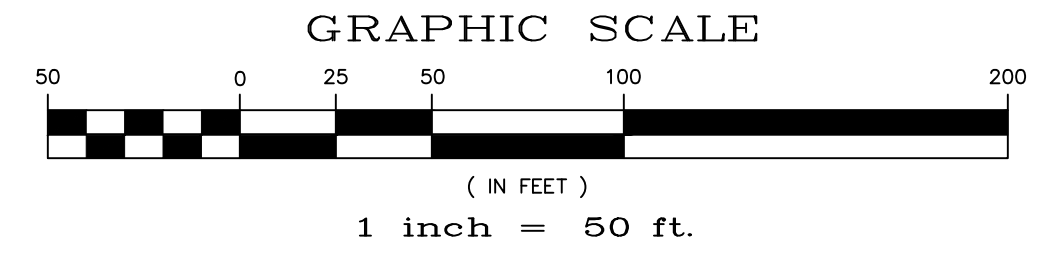
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		No.	Revisions	Date	Appr.	Date
		WINDINGWALK FLAT MERIDIAN RANCH STREET AND UTILITY PLANS SEWER #3 + #4				
		Scale AS SHOWN	Drawn by LCA	Checked by TAK	Date JAN 2018	
29 of 55						

LAMBERT RD. 6' SIDEWALK PLAN



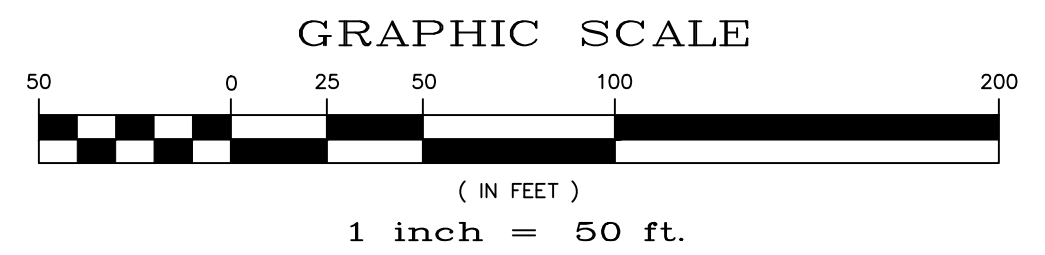
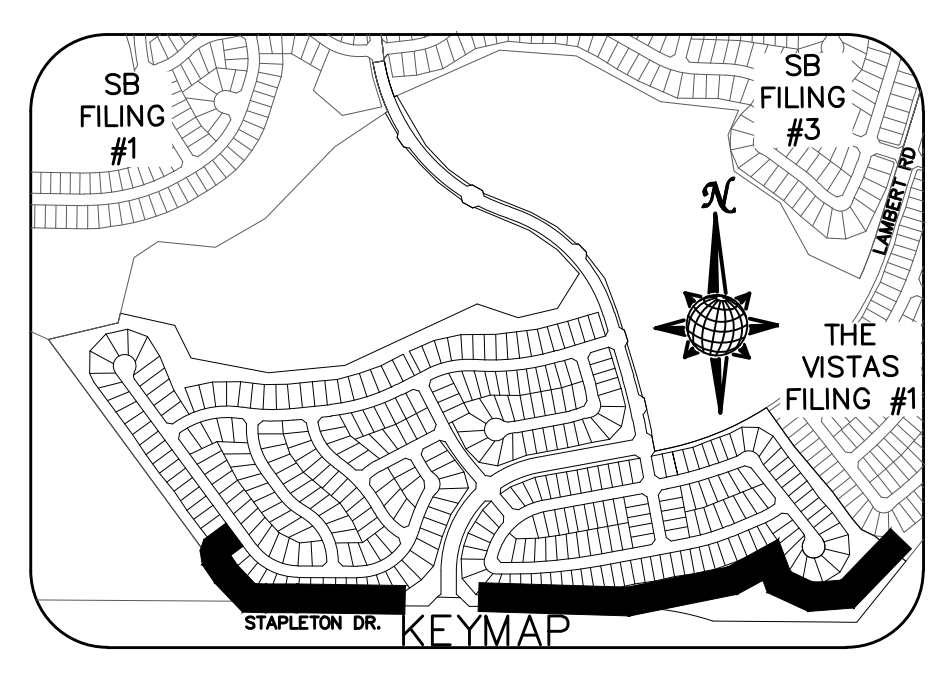
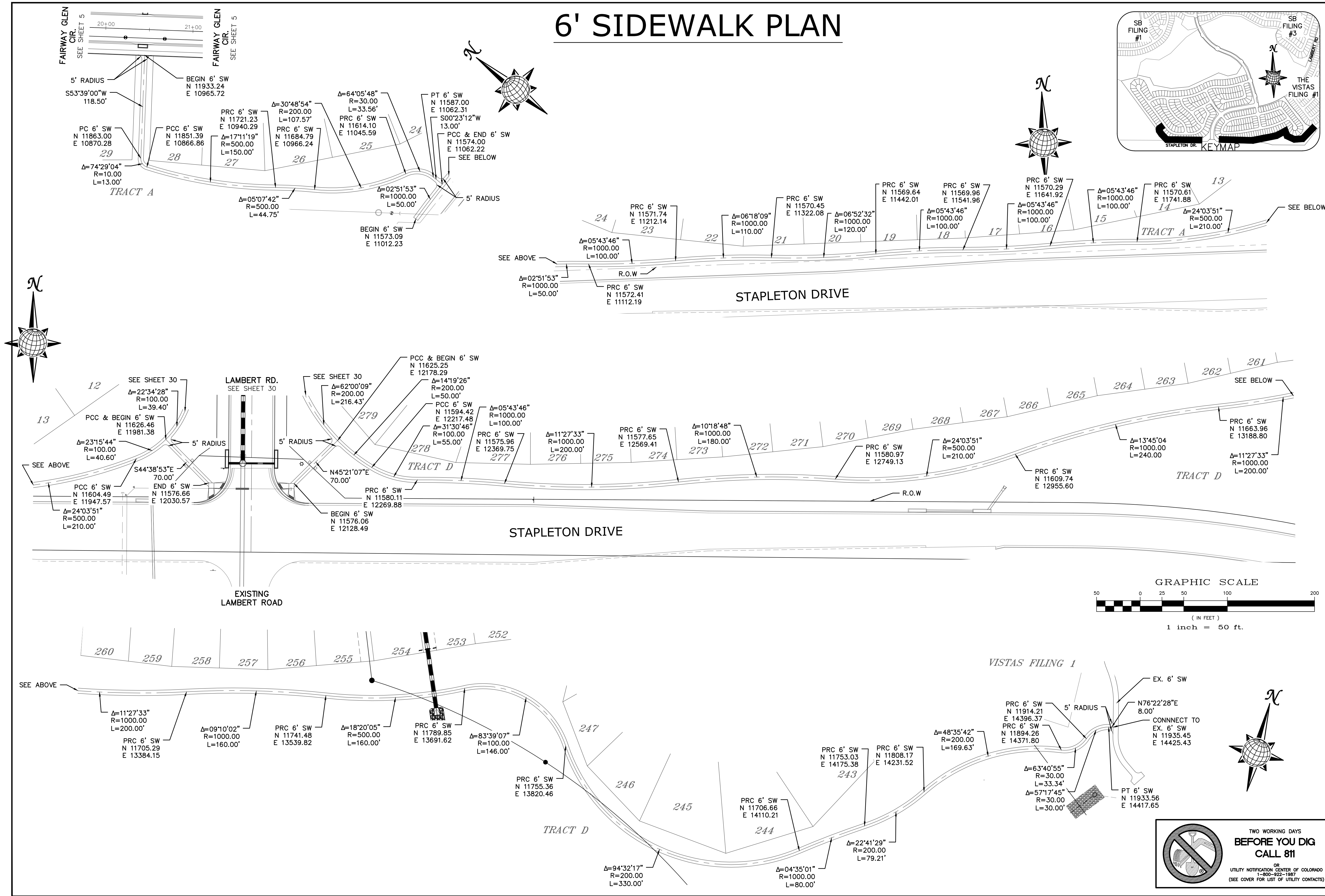
**TWO WORKING DAYS
BEFORE YOU DIG
CALL 811**

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



Scale	AS SHOWN	30	of	55
Drawn by	LOG	Checked by	TKK	Date
WINDINGWALK FLAT MERIDIAN RANCH		STREET AND UTILITY PLANS		
MERIDIAN RANCH				
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457				
No.	Revisions	Date	Instr.	Appr.

6' SIDEWALK PLAN



Drawn by	LOG	Checked by	TAK	Date	JAN 2018
Scale	AS SHOWN	Sheet	55	of	55
WINDINGWALK FLAT MERIDIAN RANCH STREET AND UTILITY PLANS SIDEWALK PLAN					
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
No.	Revisions	Date	Appr.	Date	

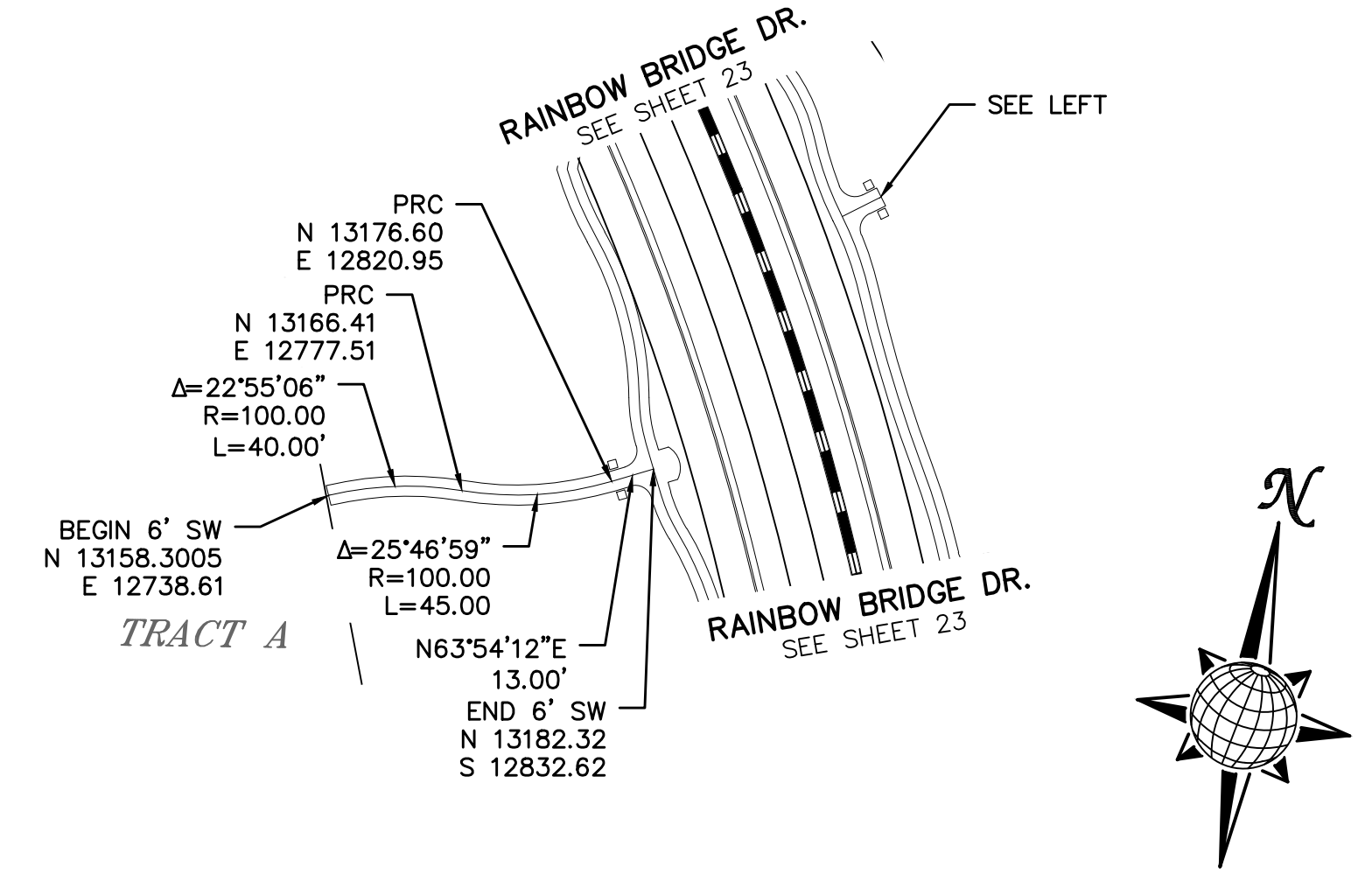
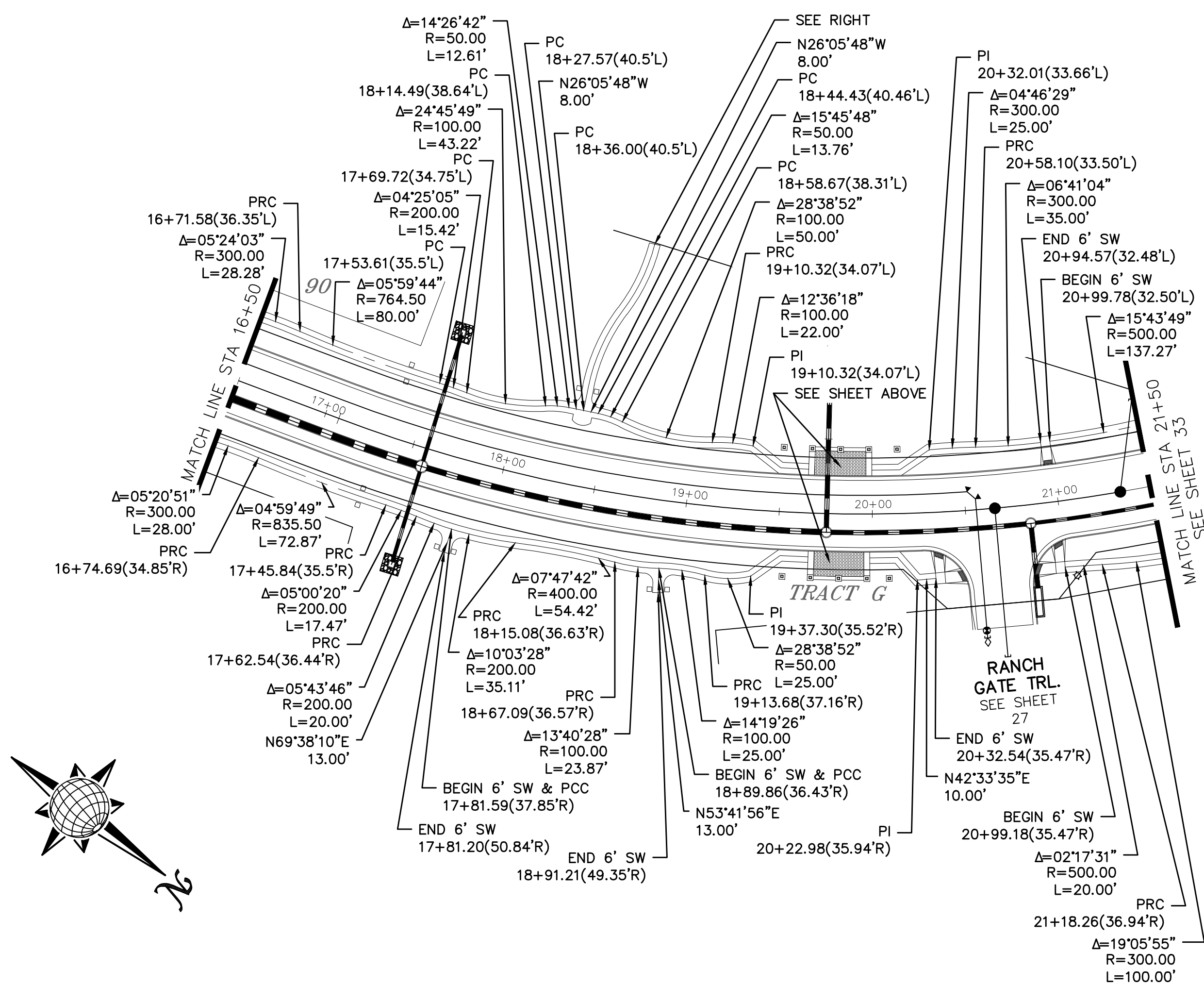
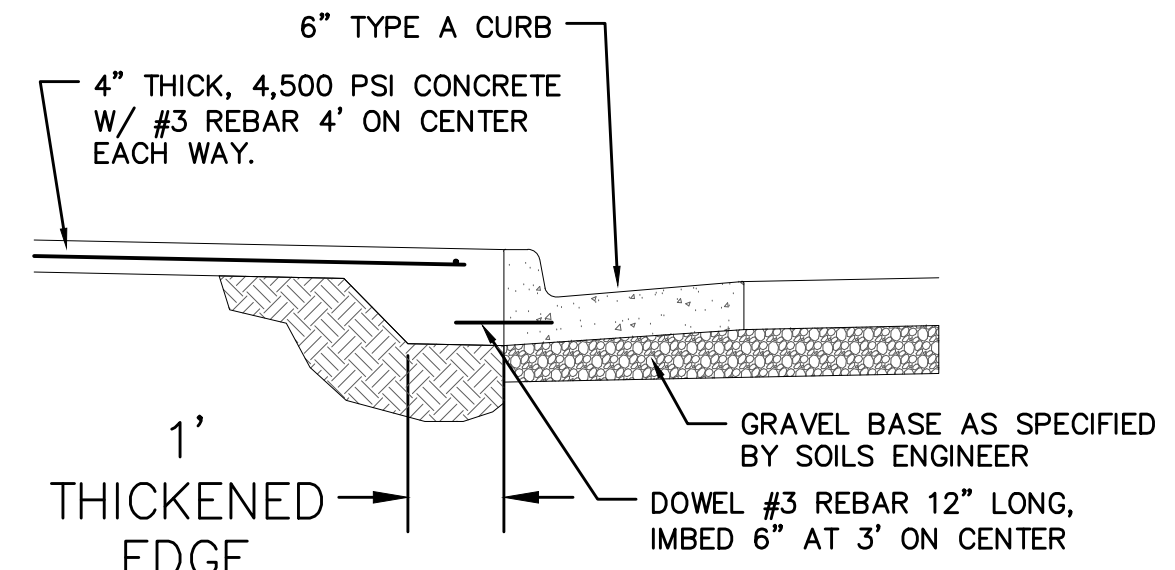
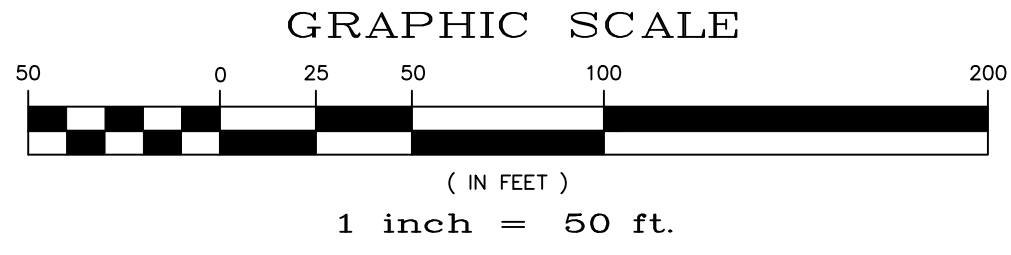
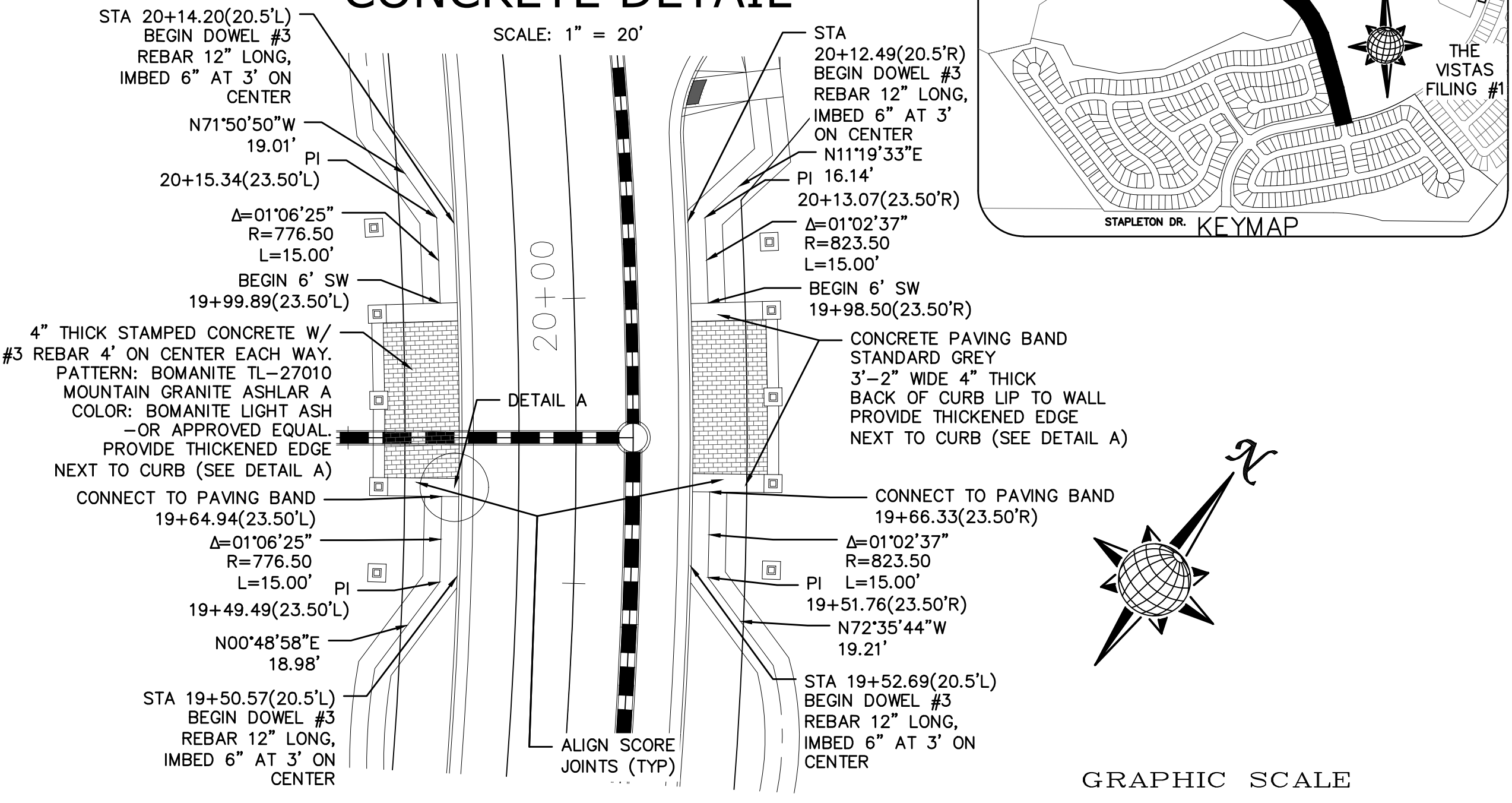
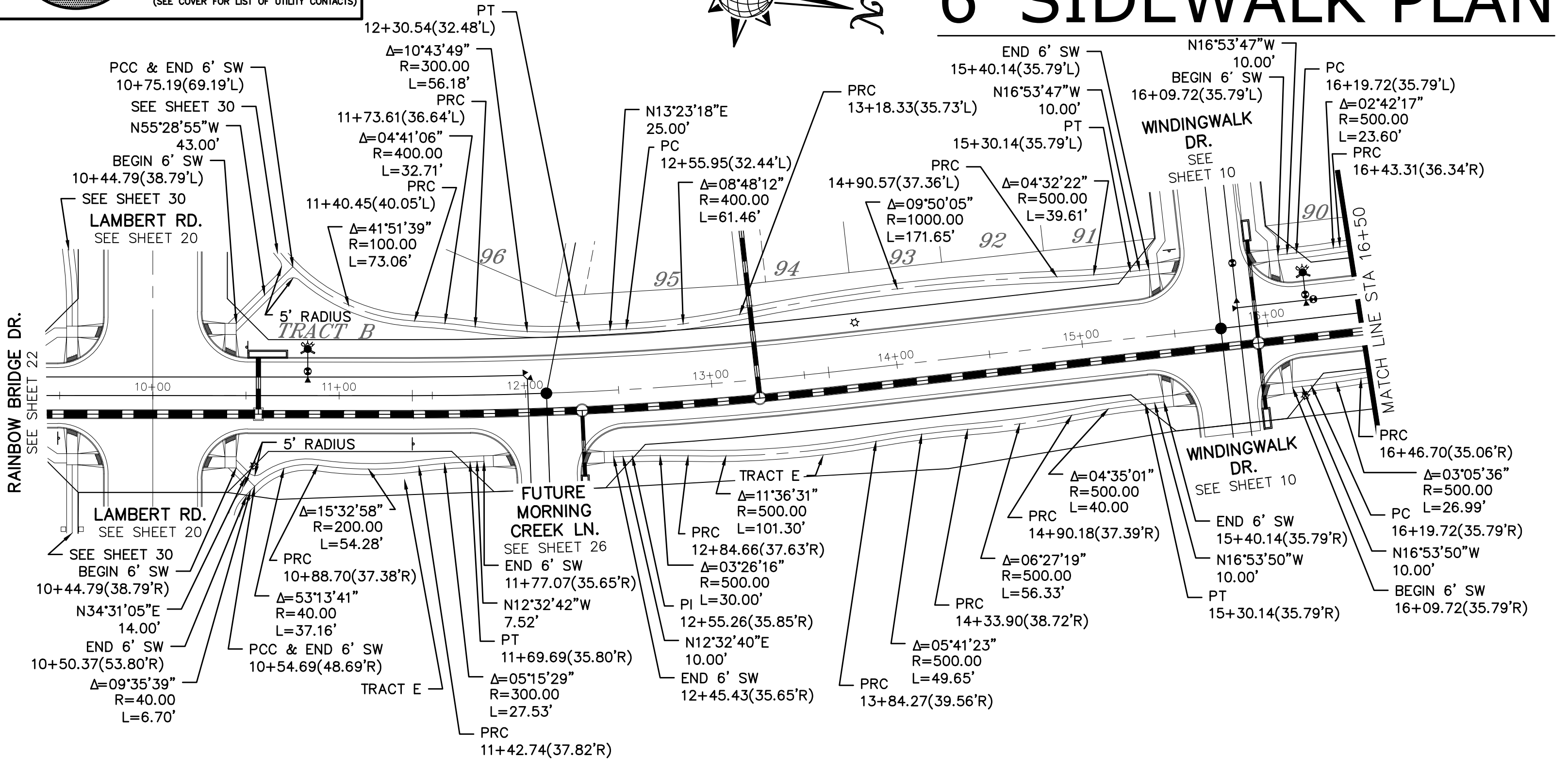
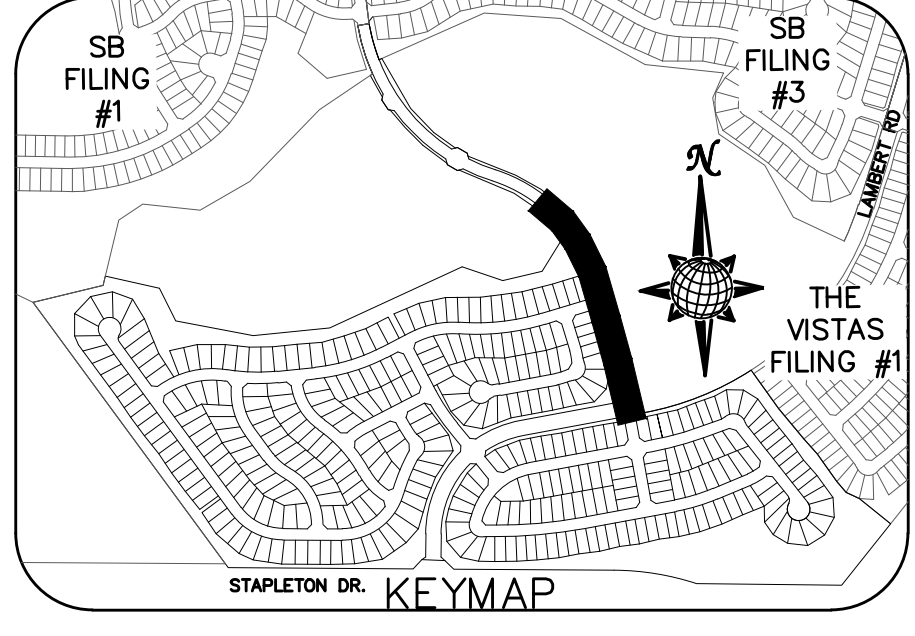
TWO WORKING DAYS
BEFORE YOU DIG
CALL 811
 OR
 UTILITY NOTIFICATION CENTER OF COLORADO
 1-800-922-1887
 (SEE COVER FOR LIST OF UTILITY CONTACTS)

**TWO WORKING DAYS
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OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(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



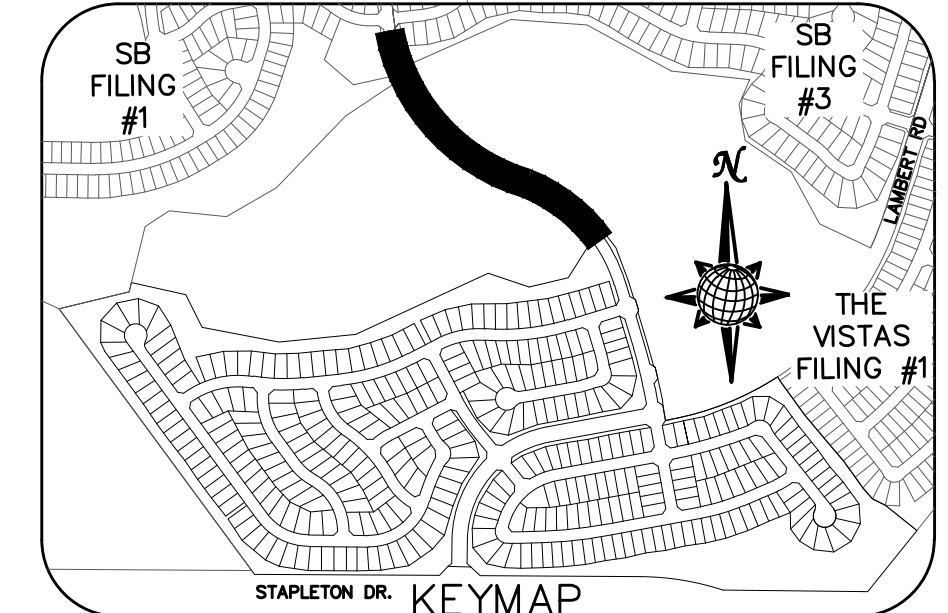
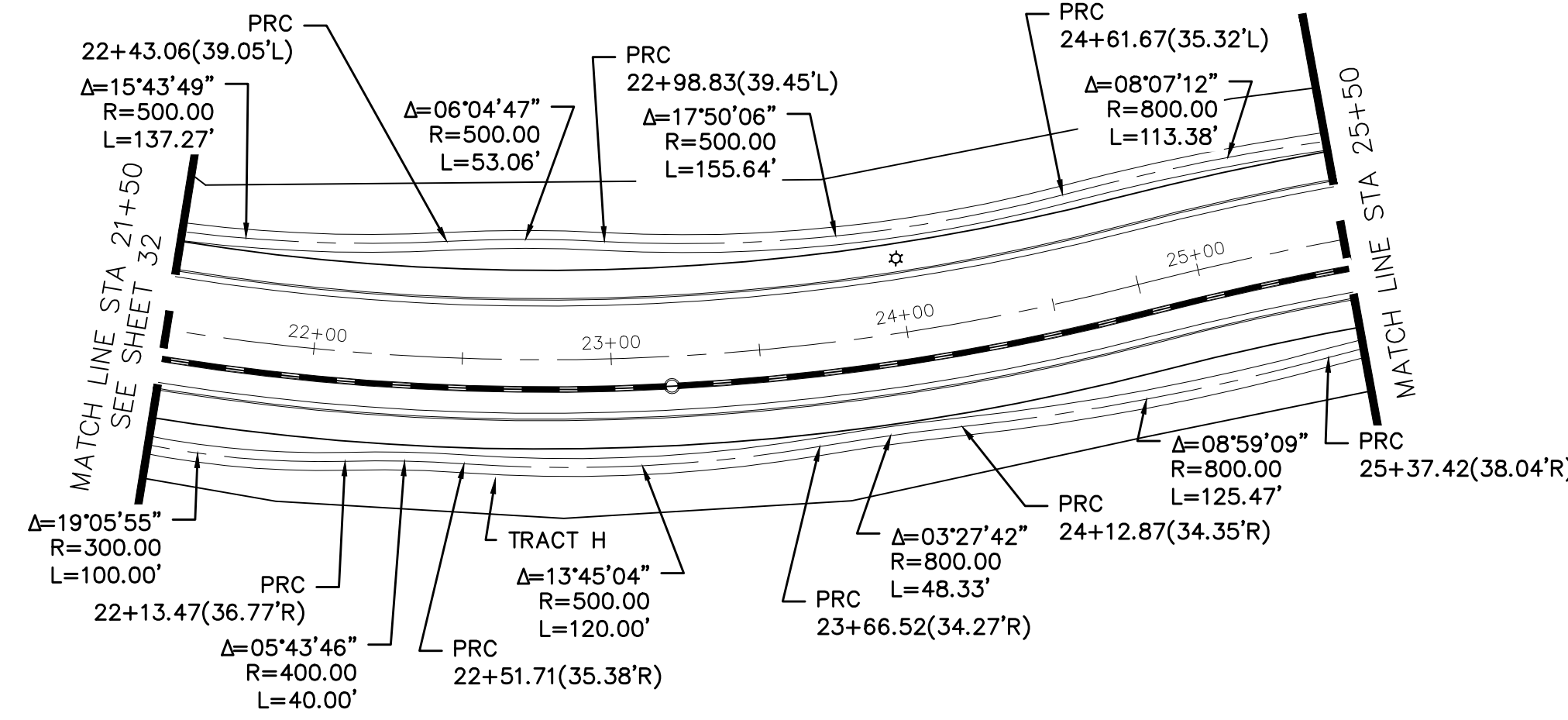
WINDINGWALK FLAT MERIDIAN RANCH
STREET AND UTILITY PLANS
SIDEWALK PLAN

Drawn by
Checked by
Date

Scale
AS SHOWN
32 of 55

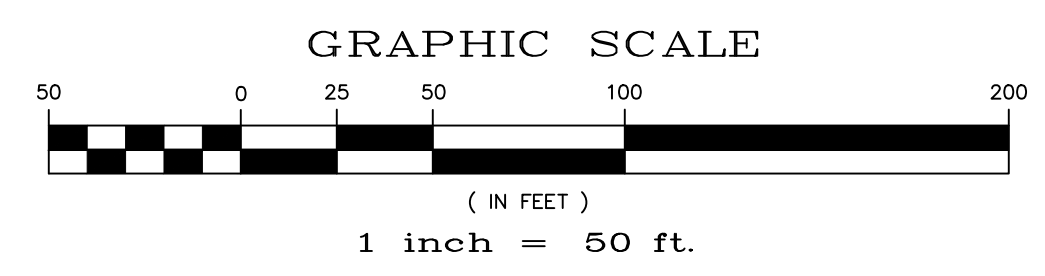
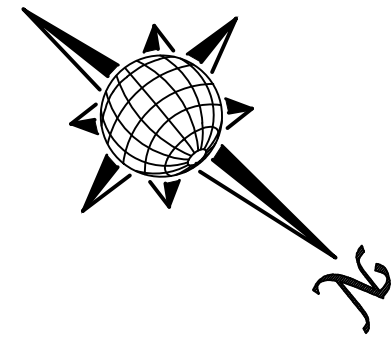
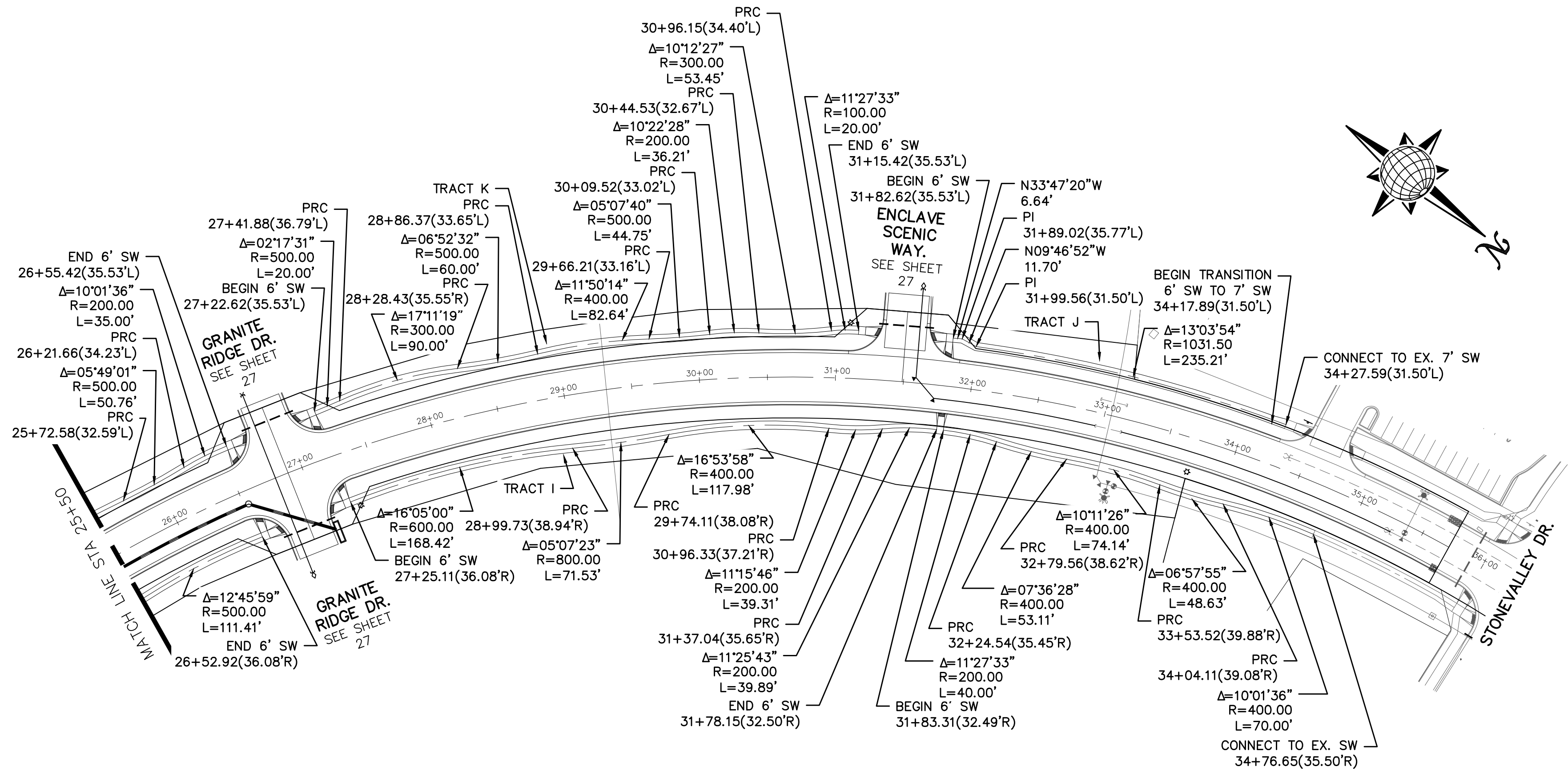
JAN 2018

RAINBOW BRIDGE DR. 6' SIDEWALK PLAN



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

TECH CONTRACTORS
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FALCON, CO 80831
TELEPHONE: 719.495.7444
FAX: 719.495.2457



WINDINGWALK FLAT MERIDIAN RANCH
STREET AND UTILITY PLANS
SIDEWALK PLAN

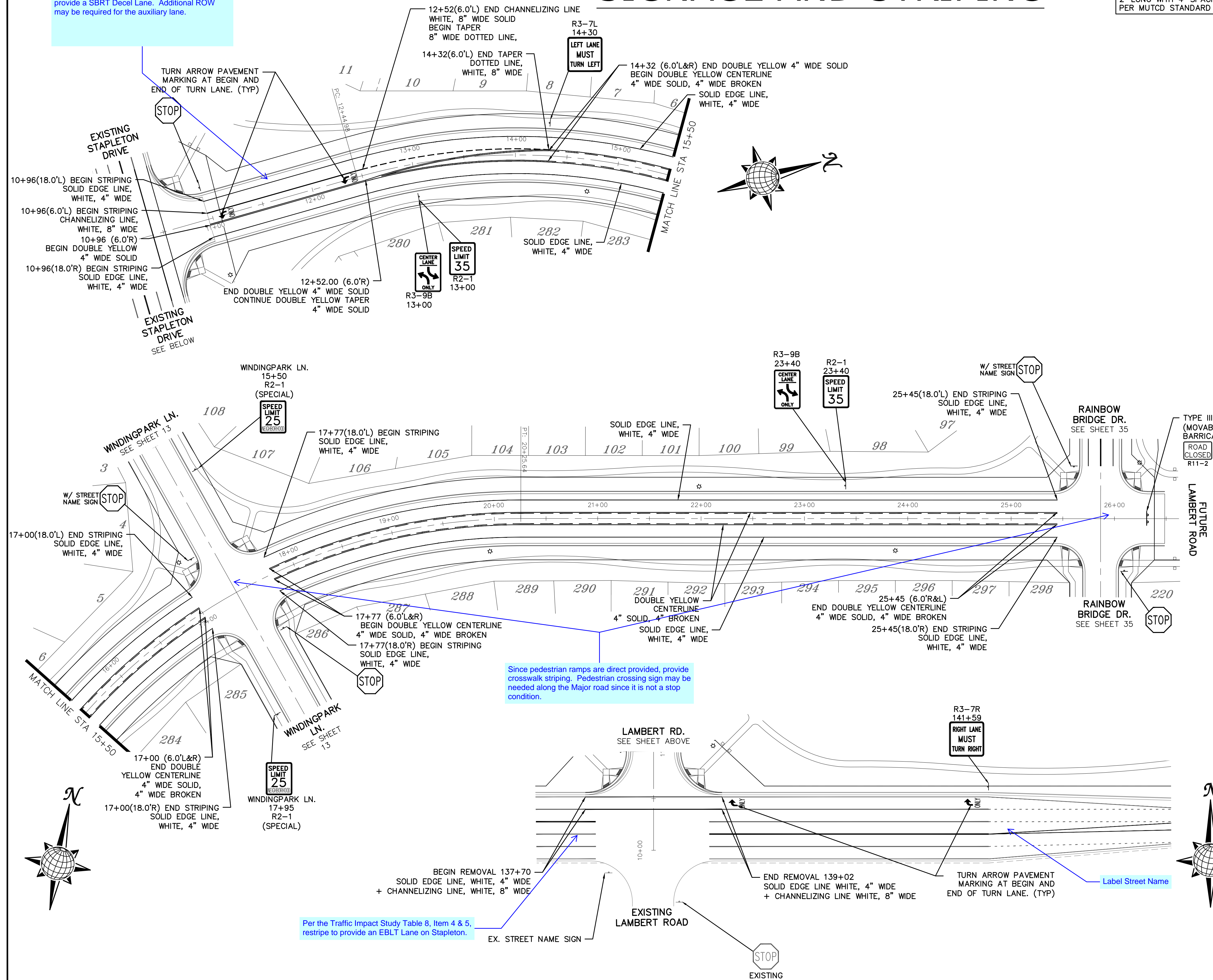
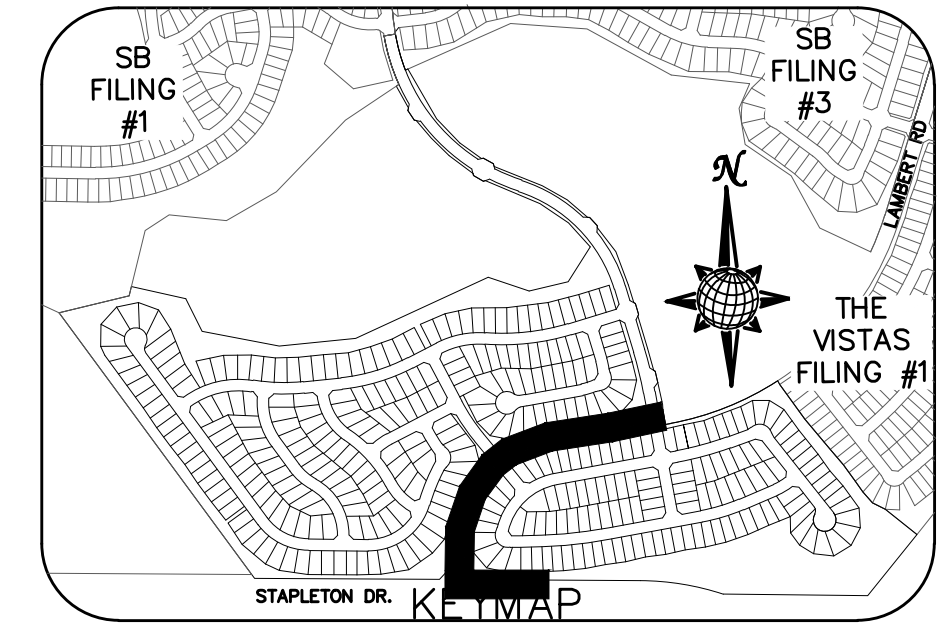
Drawn by	LOG	Checked by	TAK	Date	JAN 2018
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Scale
AS SHOWN
33 of 55

SIGNAGE AND STRIPING

Per the Traffic Impact Study Table 8, Item 3, provide a SBRT Decel Lane. Additional ROW may be required for the auxiliary lane.

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

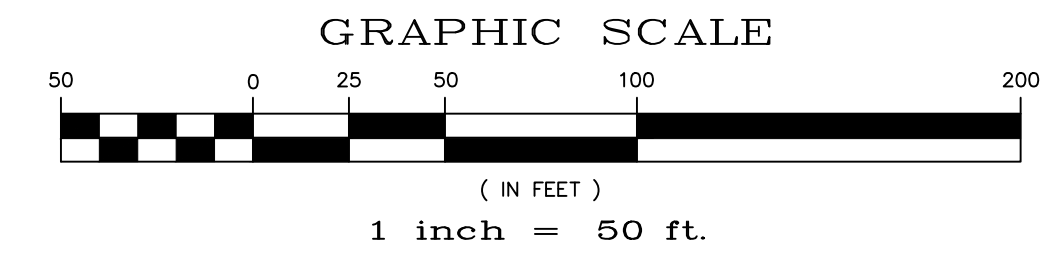


SIGNING AND STRIPING NOTES:

1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT.
4. ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN SHALL BE NEW SIGNS. EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY AND MUTCD STANDARDS.
5. STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
6. ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
7. ALL STREET NAME SIGNS SHALL HAVE "D" SERIES LETTERS, WITH LOCAL ROADWAY SIGNS BEING 4" UPPER-LOWER CASE LETTERING ON 8" BLANK AND NON-LOCAL ROADWAY SIGNS BEING 6" LETTERING, UPPER-LOWER CASE ON 12" BLANK, WITH A WHITE BORDER THAT IS NOT RECESSED. MULTI-LANE ROADWAYS WITH SPEED LIMITS OF 40 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING ON 18" BLANK WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE 2012 MUTCD "STANDARD HIGHWAY SIGNS"
8. ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
9. ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75" X 1.75" SQUARE TUBE SIGN POST AND STUB POST BASE. FOR OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S-614-8 REGARDING USE OF THE P2 TUBULAR STEEL POST SLIPBASE DESIGN.
10. ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
11. ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 125 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALKS LINES SHALL BE 12" WIDE AND 8' LONG PER CDOT S-627-1.
12. ALL LONGITUDINAL LINES SHALL BE A MINIMUM 15MIL THICKNESS EPOXY PAINT. ALL NON-LOCAL RESIDENTIAL ROADWAYS SHALL INCLUDE BOTH RIGHT AND LEFT EDGE LINE STRIPING AND ANY ADDITIONAL STRIPING AS REQUIRED BY CDOT S-627-1.
13. THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY DEVELOPMENT SERVICES (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
14. THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY PUBLIC SERVICE DEPARTMENT (PSD) PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

Since pedestrian ramps are direct provided, provide crosswalk striping. Pedestrian crossing sign may be needed along the Major road since it is not a stop condition.

Per the Traffic Impact Study Table 8, Item 4 & 5, restripe to provide an EBLT Lane on Stapleton.

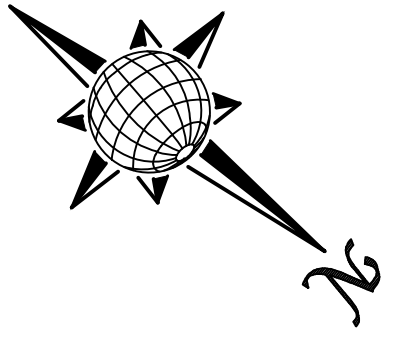
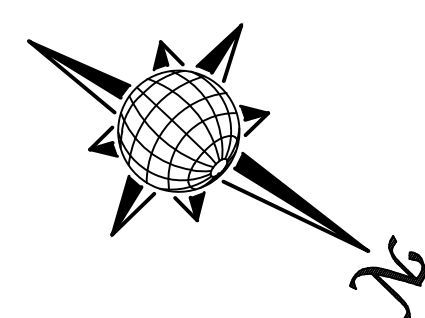
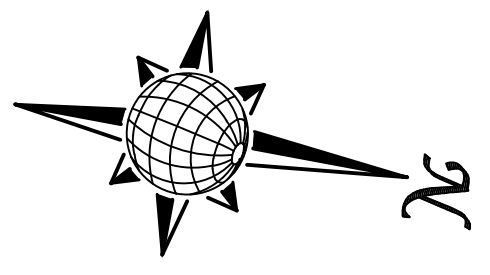
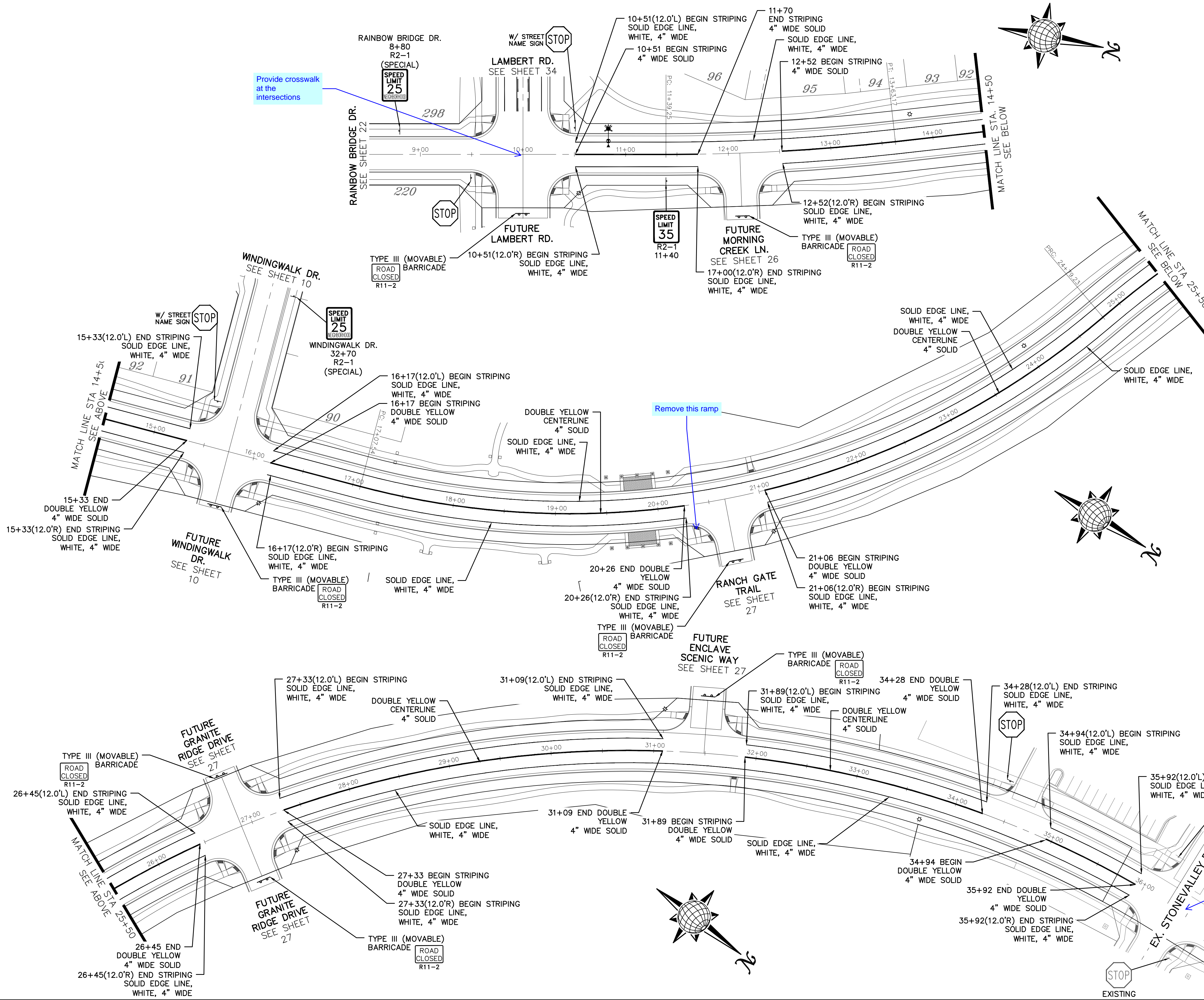
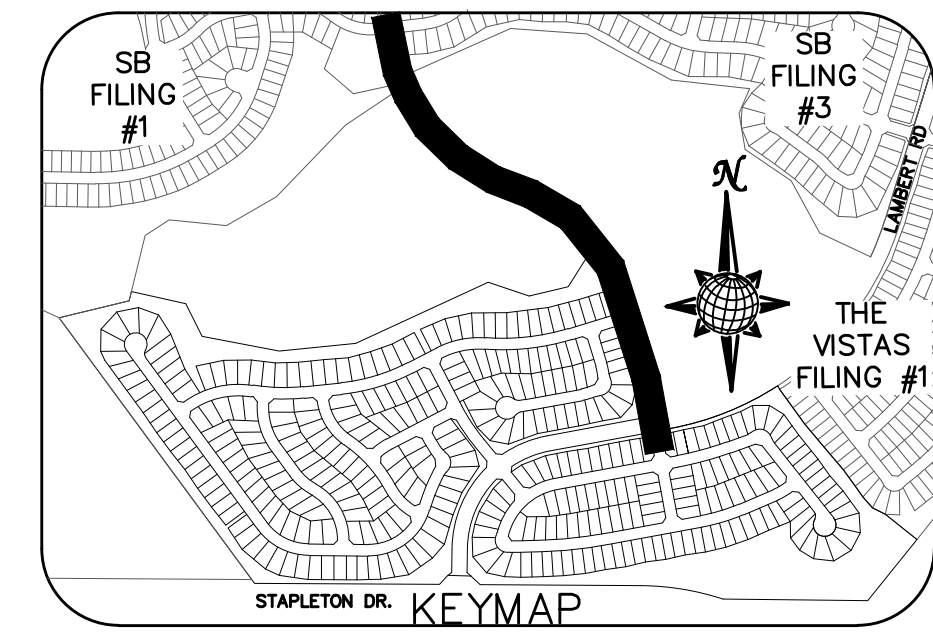


TWO WORKING DAYS BEFORE YOU DIG CALL 811

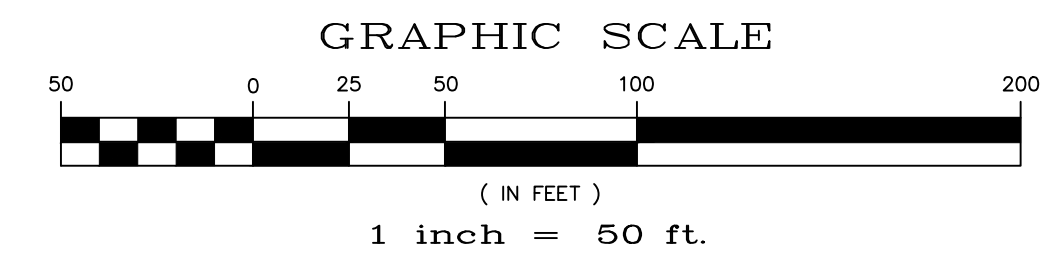
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

Drawn by	LOG	Checked by	TAK	Date	JAN 2018
Scale	AS SHOWN	34 of	55		
WINDINGWALK FLAT 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.

SIGNAGE AND STRIPING



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

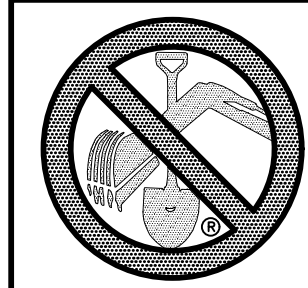


TWO WORKING DAYS BEFORE YOU DIG CALL 811

OR
UTILITY NOTIFICATION CENTER OF COLORADO
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(SEE COVER FOR LIST OF UTILITY CONTACTS)

Per the Traffic Impact Study Table 8, Item 10, convert to an all-way stop. Provide crosswalk striping.

Scale	AS SHOWN	35 of 55			
Drawn by	LOG	Checked by	TAK	Date	JAN 2018
WINDINGWALK FLAT 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.	Date	



TWO WORKING DAYS
BEFORE YOU DIG
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OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1967
(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.

5' SSMH #44
8" STUB & PLUG
5' SSMH #43
8" STUB & PLUG
5' SSMH #39
8" STUB & PLUG
5' SSMH #38

8" STUB & PLUG
4' SSMH #29
4' SSMH #42
4' SSMH #41
4' SSMH #36
4' SSMH #40
4' SSMH #35
4' SSMH #34
5' SSMH #32
5' SSMH #37
5' SSMH #26,32
5' SSMH #23
5' SSMH #25
5' SSMH #33

4' SSMH #14
4' SSMH #15
4' SSMH #17
4' SSMH #21
4' SSMH #20
4' SSMH #24
4' SSMH #16
4' SSMH #19
4' SSMH #18
4' SSMH #9
4' SSMH #11
4' SSMH #10
4' SSMH #12
4' SSMH #13
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5' SSMH #22
5' SSMH #27
5' SSMH #28

5' SSMH #47
5' SSMH #45
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5' SSMH #42
5' SSMH #43
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5' SSMH #46
5' SSMH #49
5' SSMH #50
5' SSMH #51

THE VISTAS
FILING 1

No.	Revisions	Date	Instr.	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 SANITARY SEWER

Drawn by
Checked by
Date

Scale
AS SHOWN
36 of 55

JUN 2018

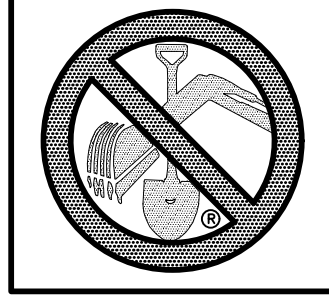


GRAPHIC SCALE



(IN FEET)
1 inch = 150 ft.

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

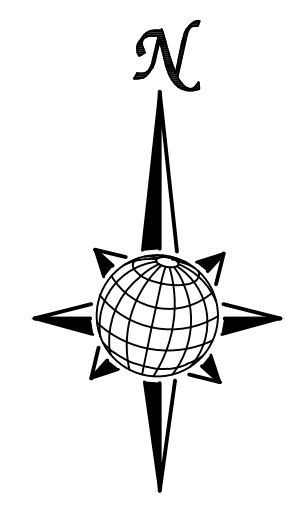


STONEBRIDGE FILING 1 & 2

STONEBRIDGE FILING 3

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

NOTE:
 4" SS SERVICE UNLESS OTHERWISE LABELED.



GRAPHIC SCALE



(IN FEET)
1 inch = 150 ft.

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

No.	Revisions	Date	Appr.	Date

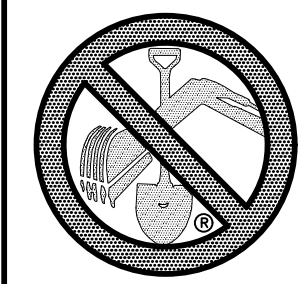
TECH CONTRACTORS
 11886 STAPLETON DRIVE
 FALCON, CO 80831
 TELEPHONE: 719.495.7444
 FAX: 719.495.2457

MERIDIAN RANCH

WINDINGWALK FI AT MERIDIAN RANCH
 STREET AND UTILITY PLANS
 OVERALL SANITARY SEWER SERVICES

Drawn by
 AS SHOWN
 Checked by
 TJK
 Date
 JAN 2018

Scale
 AS SHOWN
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TWO WORKING DAYS
BEFORE YOU DIG
CALL 811

OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1867
(SEE COVER FOR LIST OF UTILITY CONTACTS)

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

STONEBRIDGE
FILING 1 & 2

STONEBRIDGE
FILING 3

LEGEND

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

No.	Revisions	Date	Instr.	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 UNDERDRAIN

Drawn by
LCA

Checked by
TKK

Date
JUN 2018

Scale
AS SHOWN

38 of 55



GRAPHIC SCALE

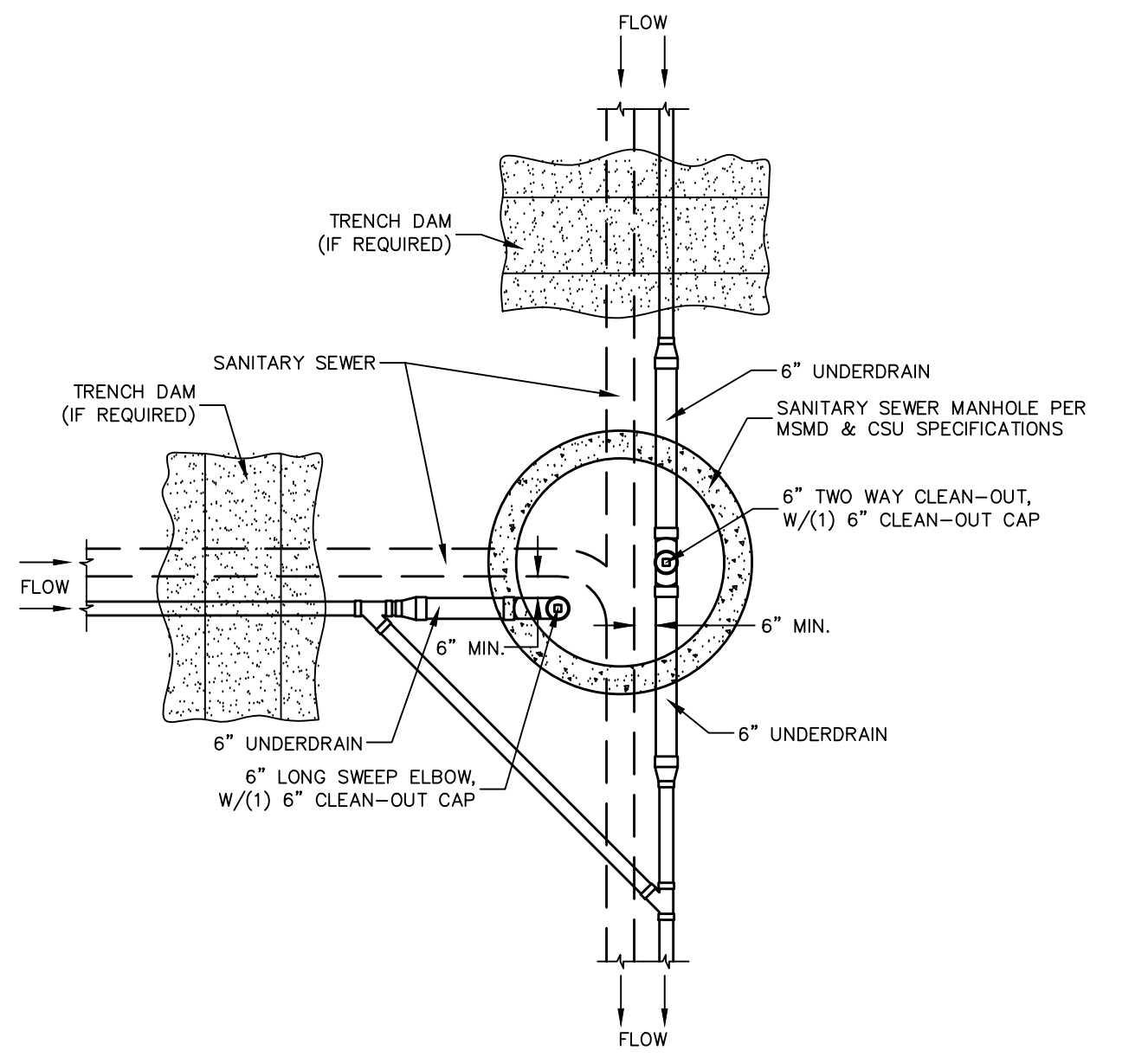


(IN FEET)
1 inch = 150 ft.

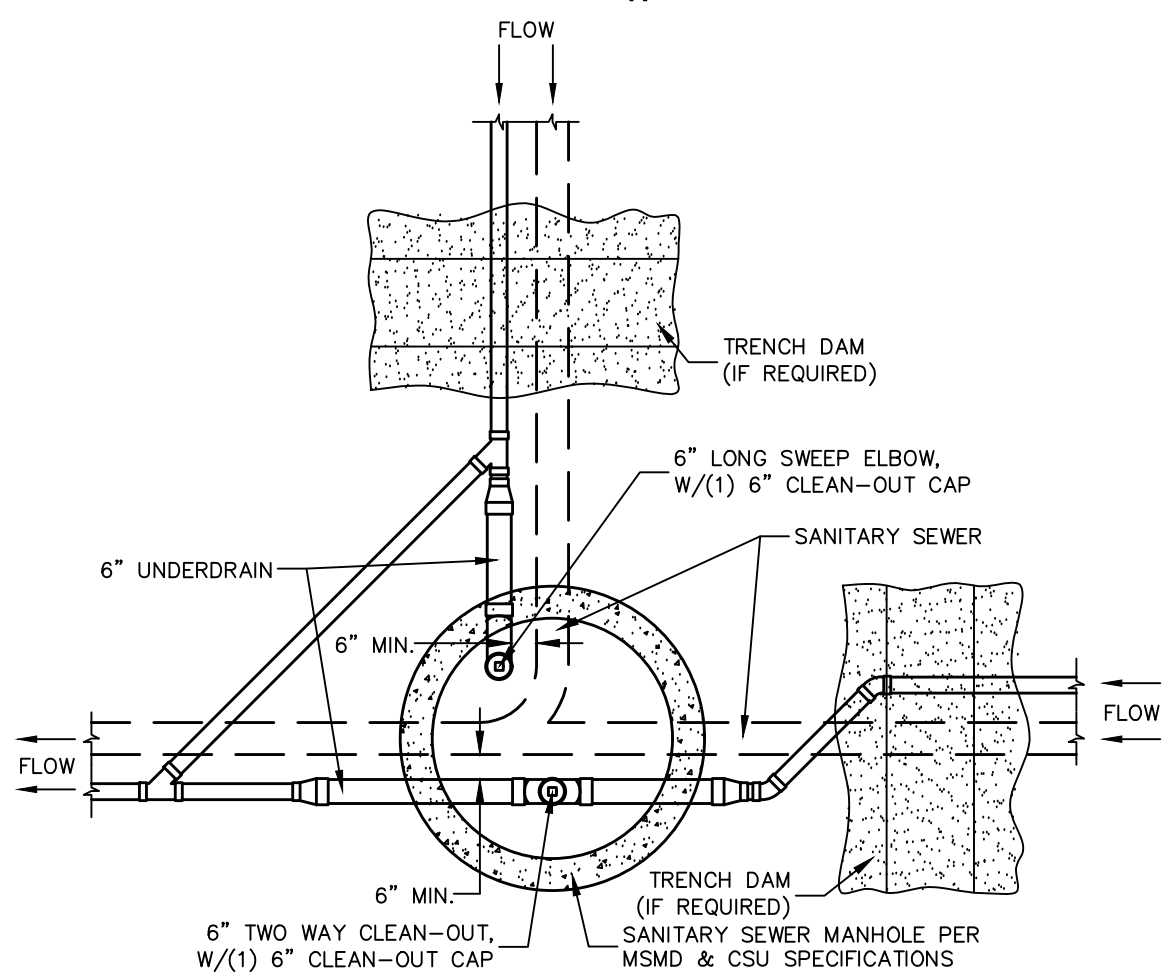


CLEAN-OUT DETAILS

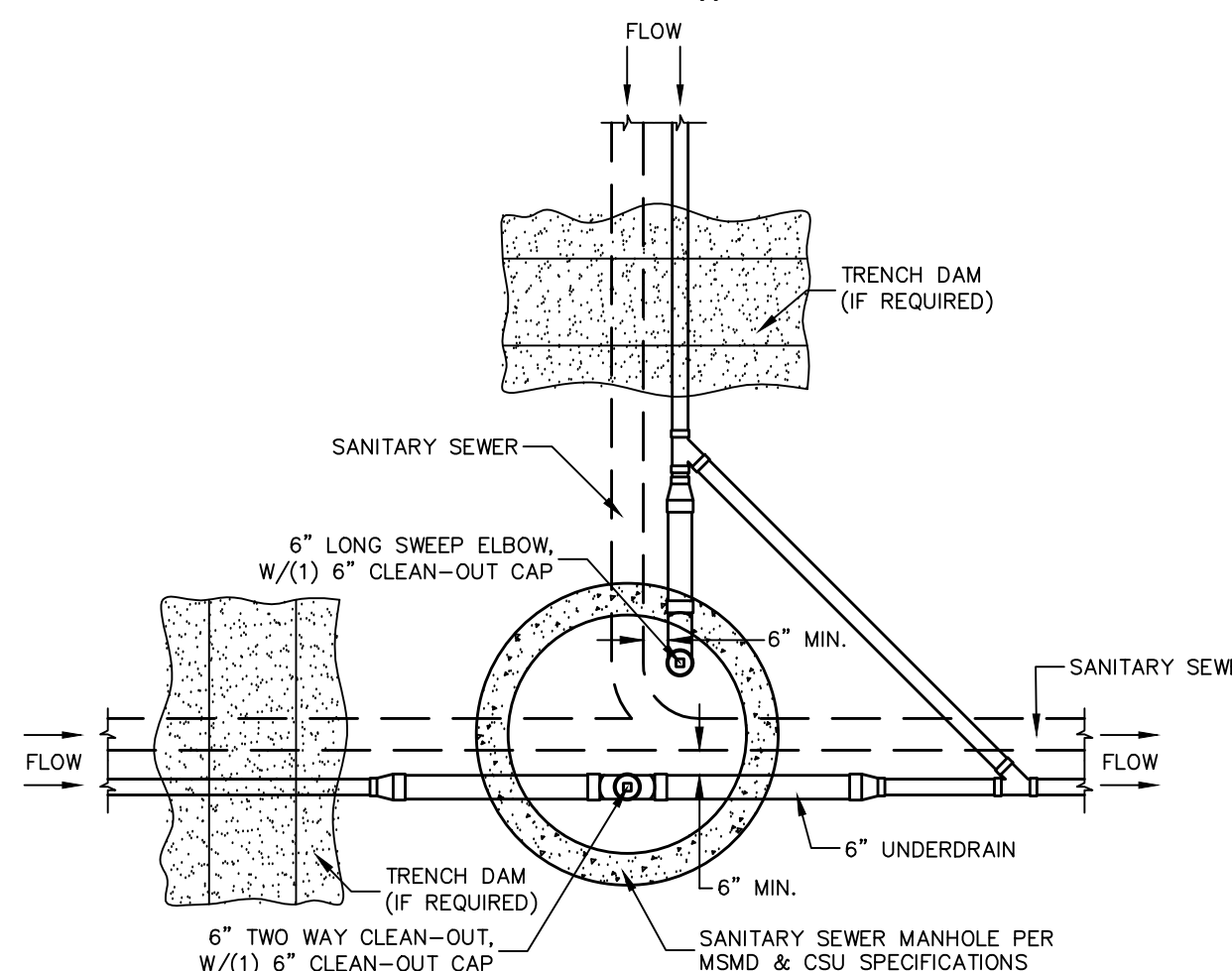
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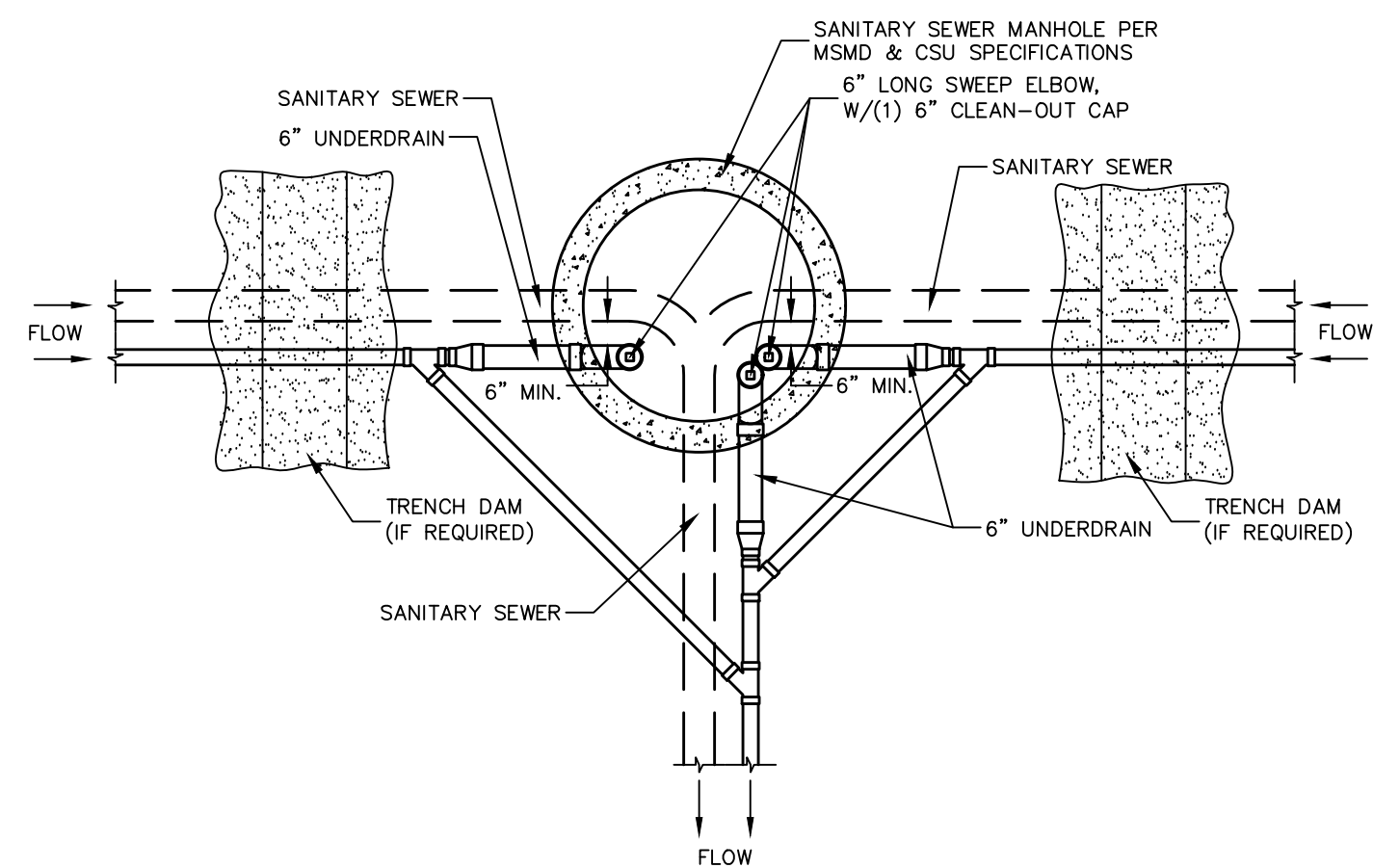
SSMH #31



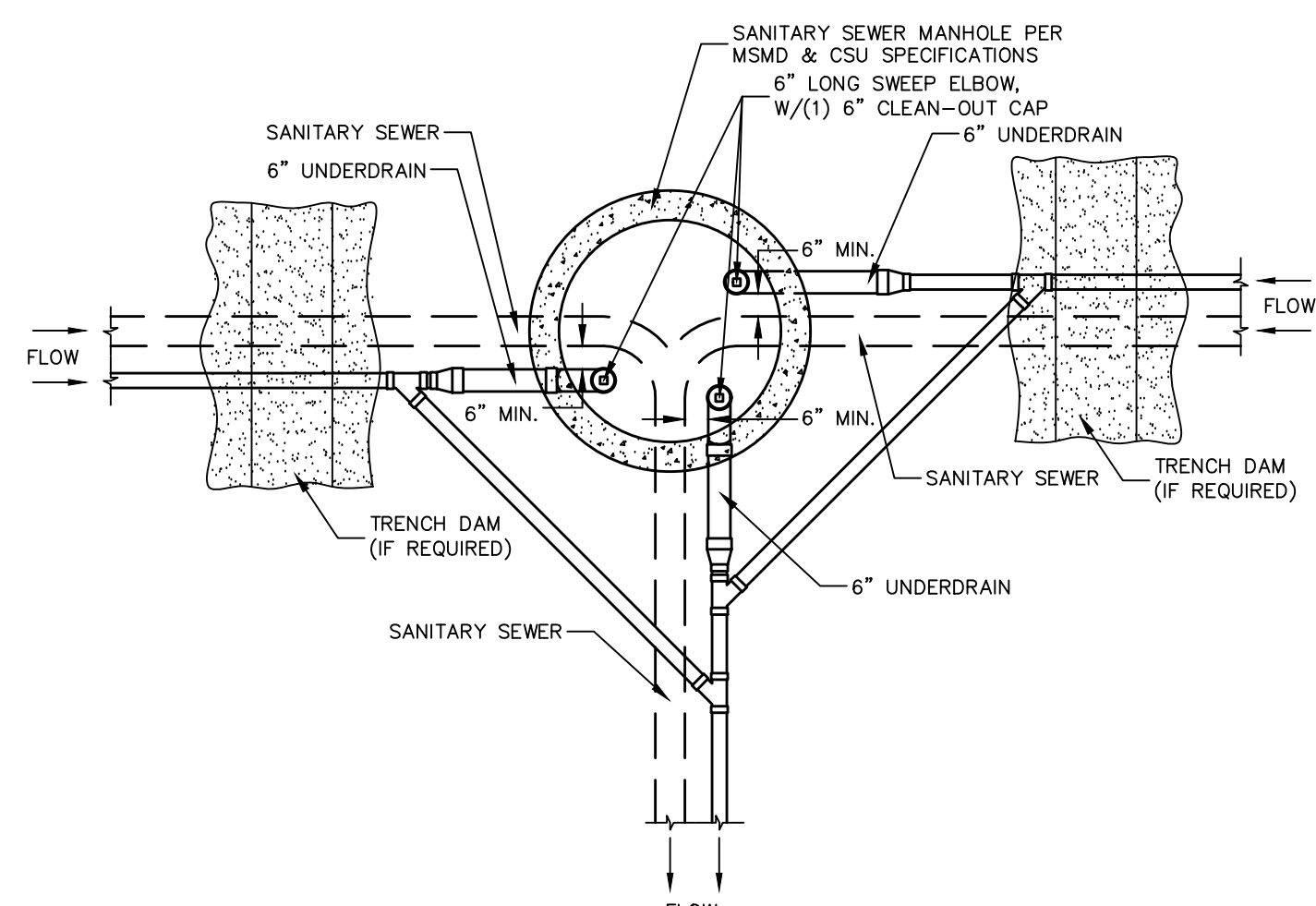
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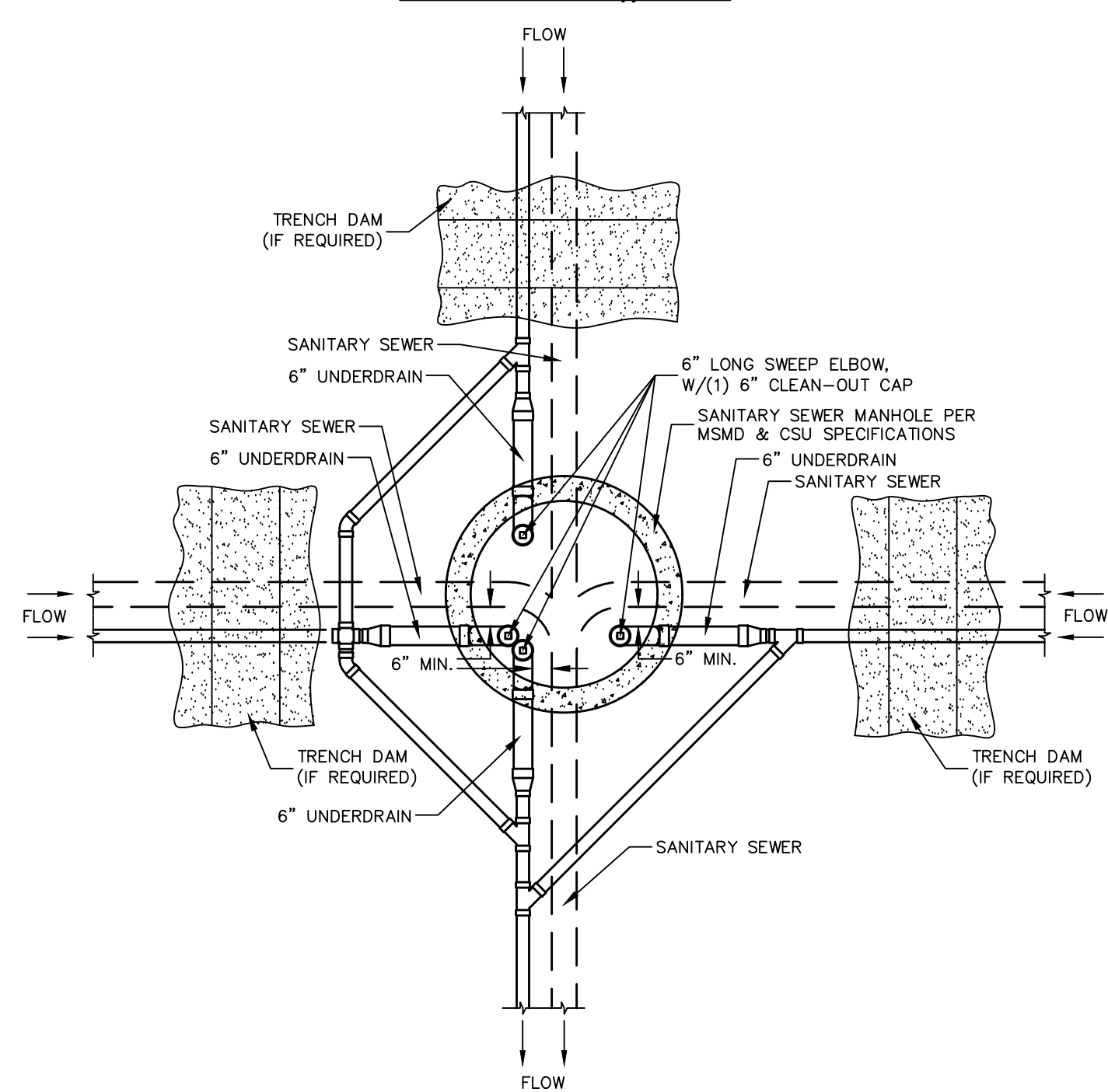
SSMH #5, #10, #13, #43



SSMH #45

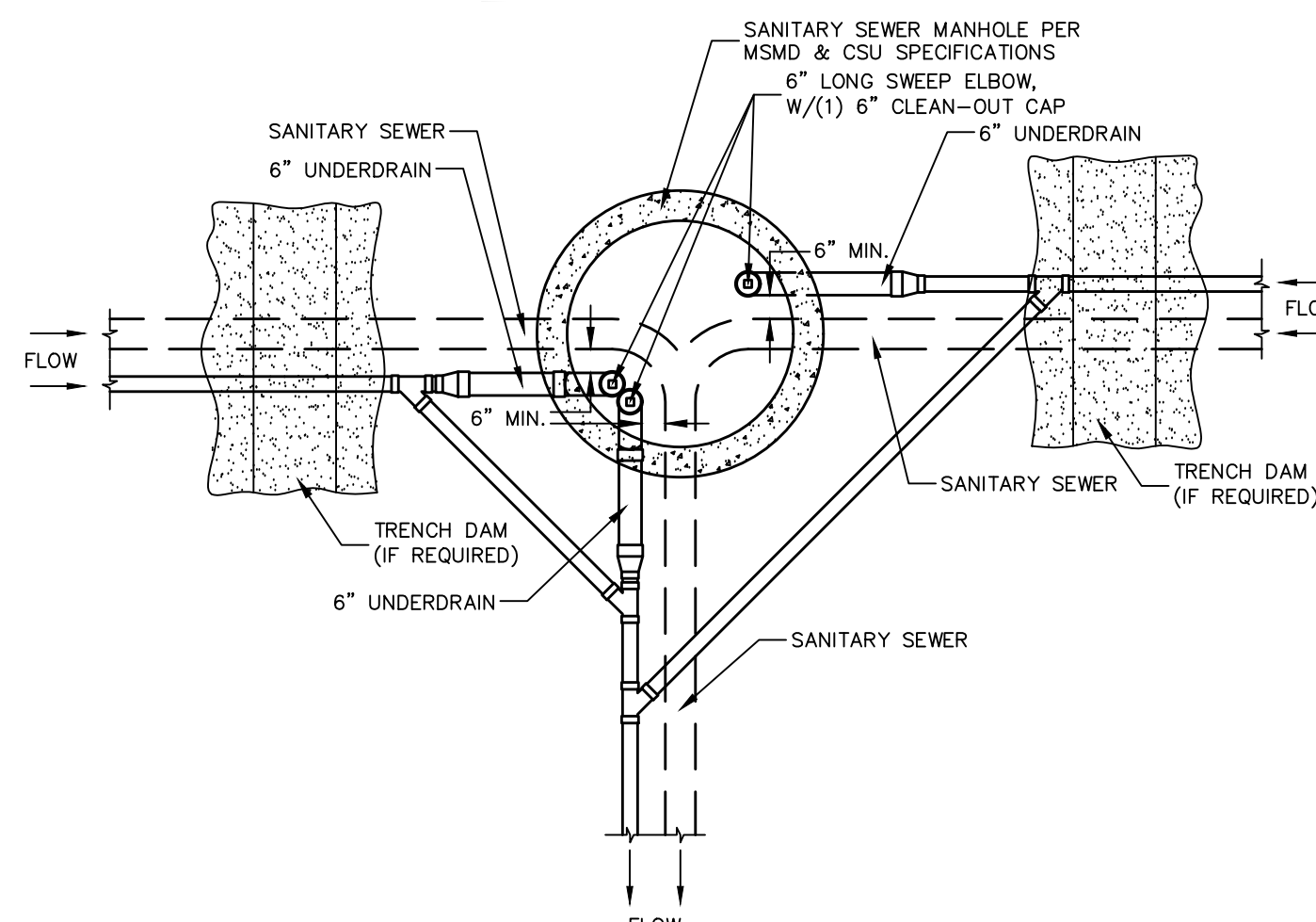


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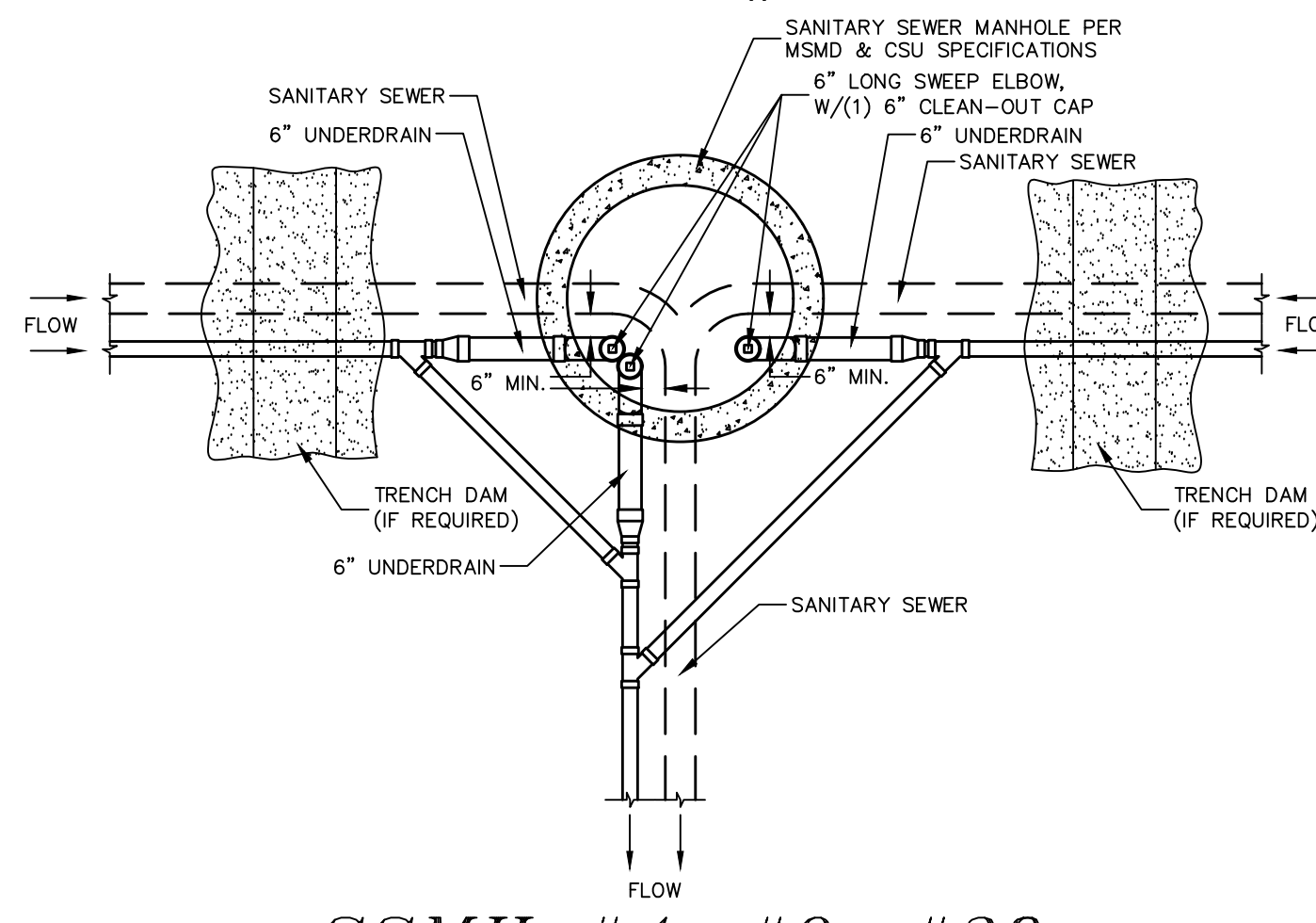


SSMH #26

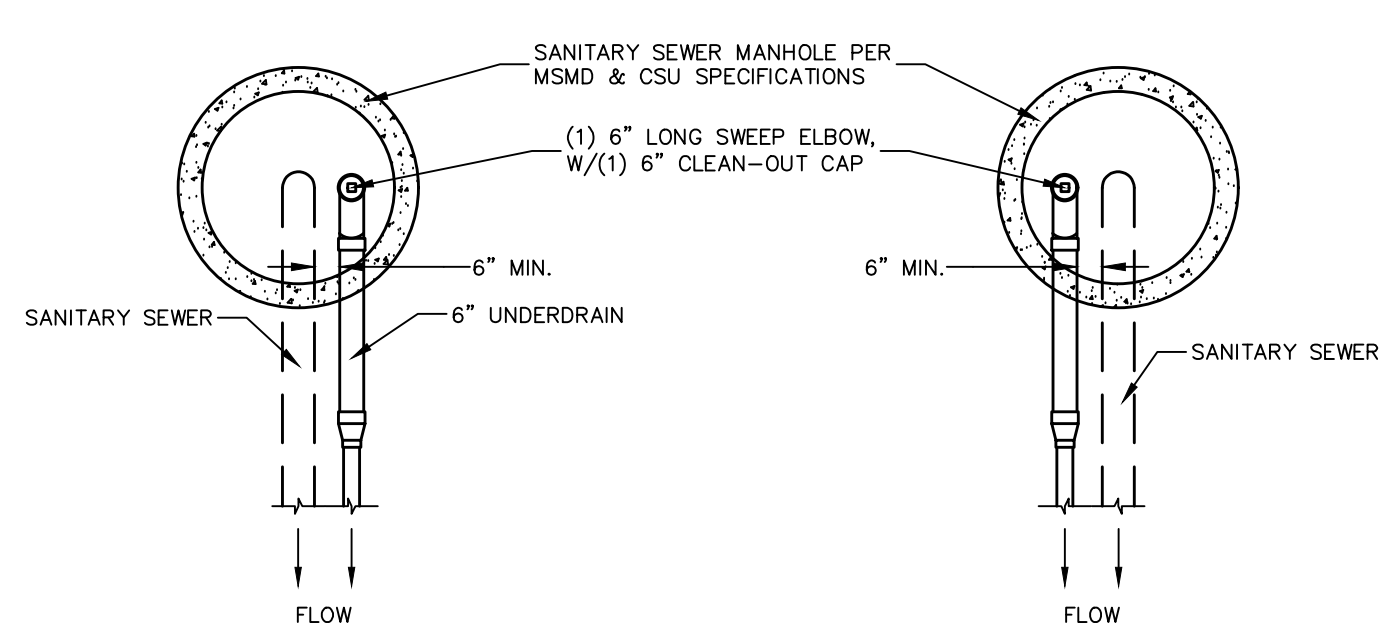
NOTE:
SSMH #1, #2, & #3 DO NOT HAVE UNDERDRAIN.



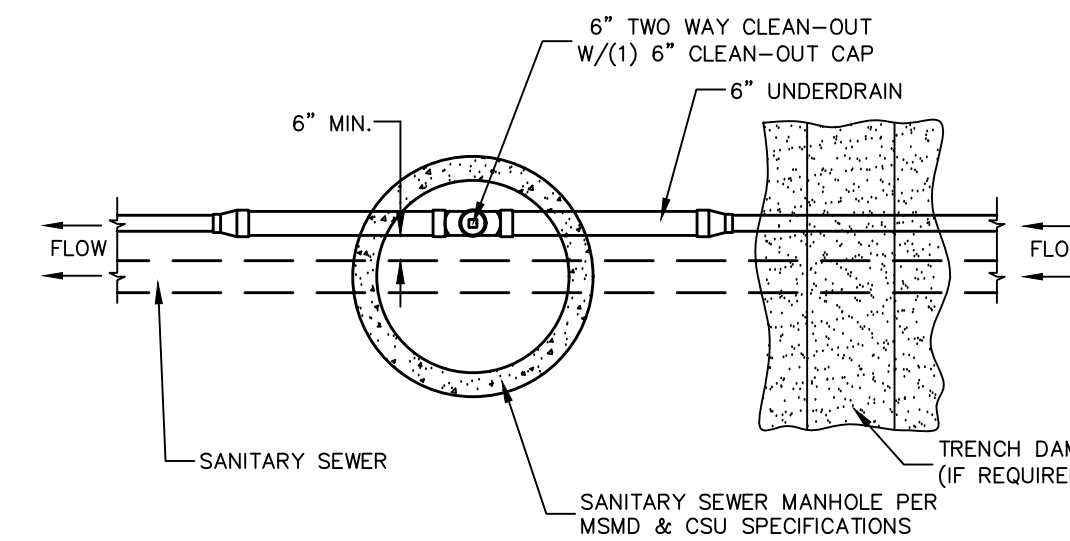
SSMH #23



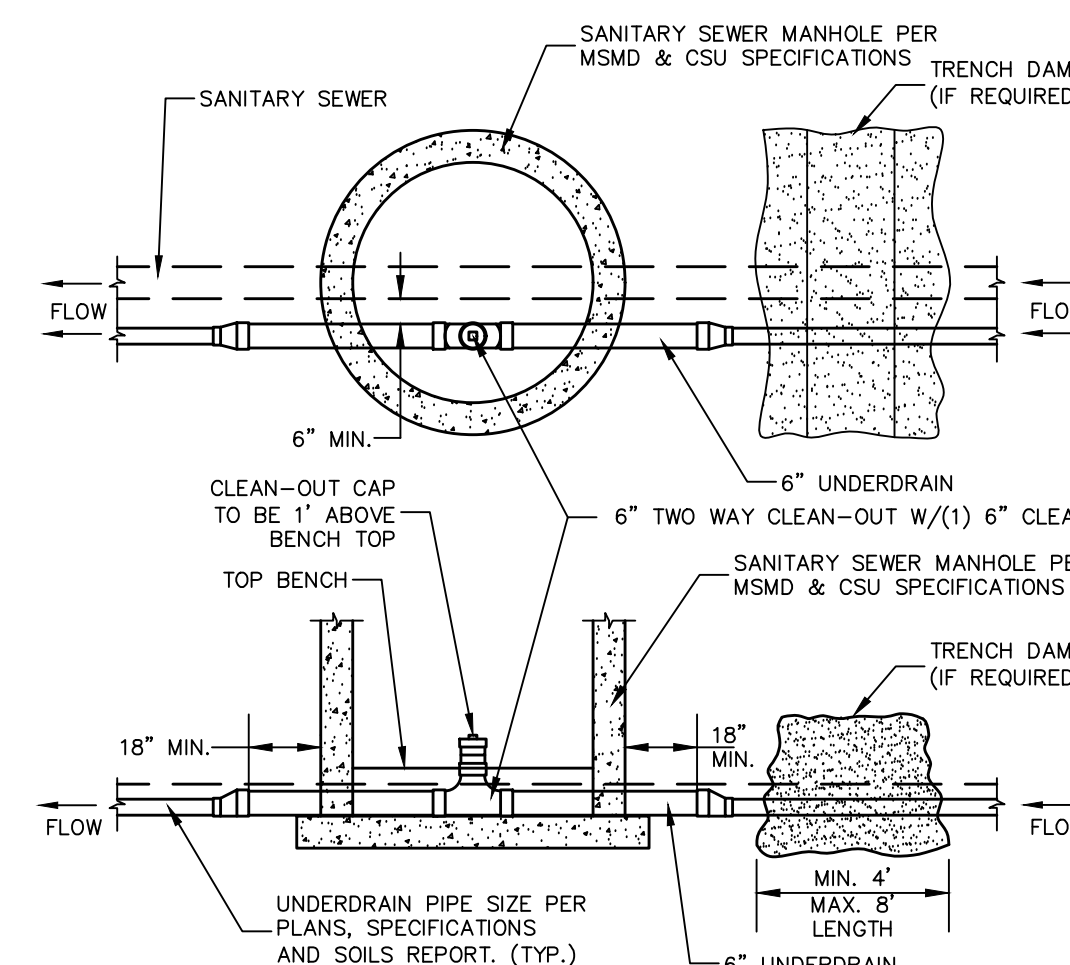
SSMH #4, #9, #38



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



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



SSMH #16

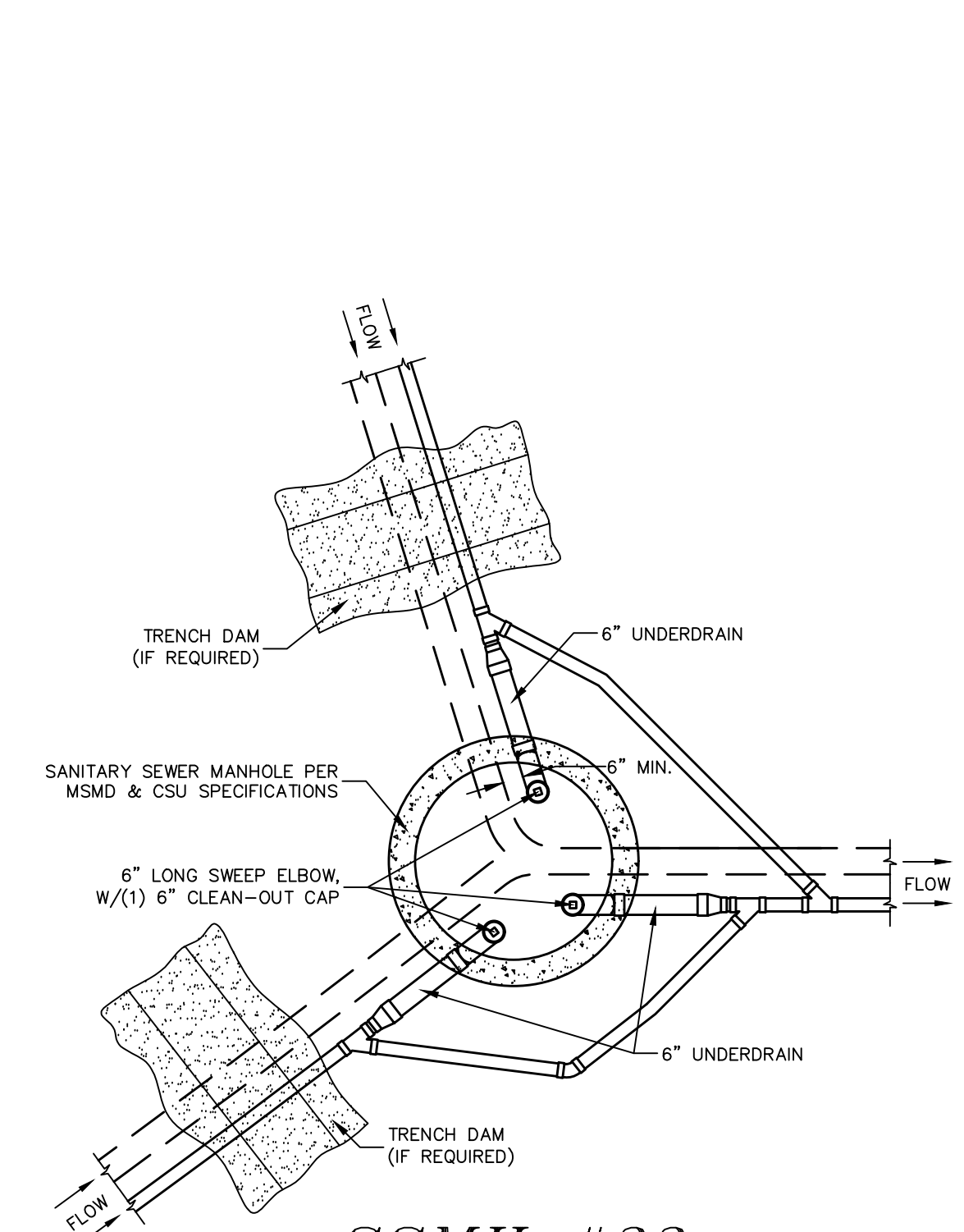
NOTES:

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

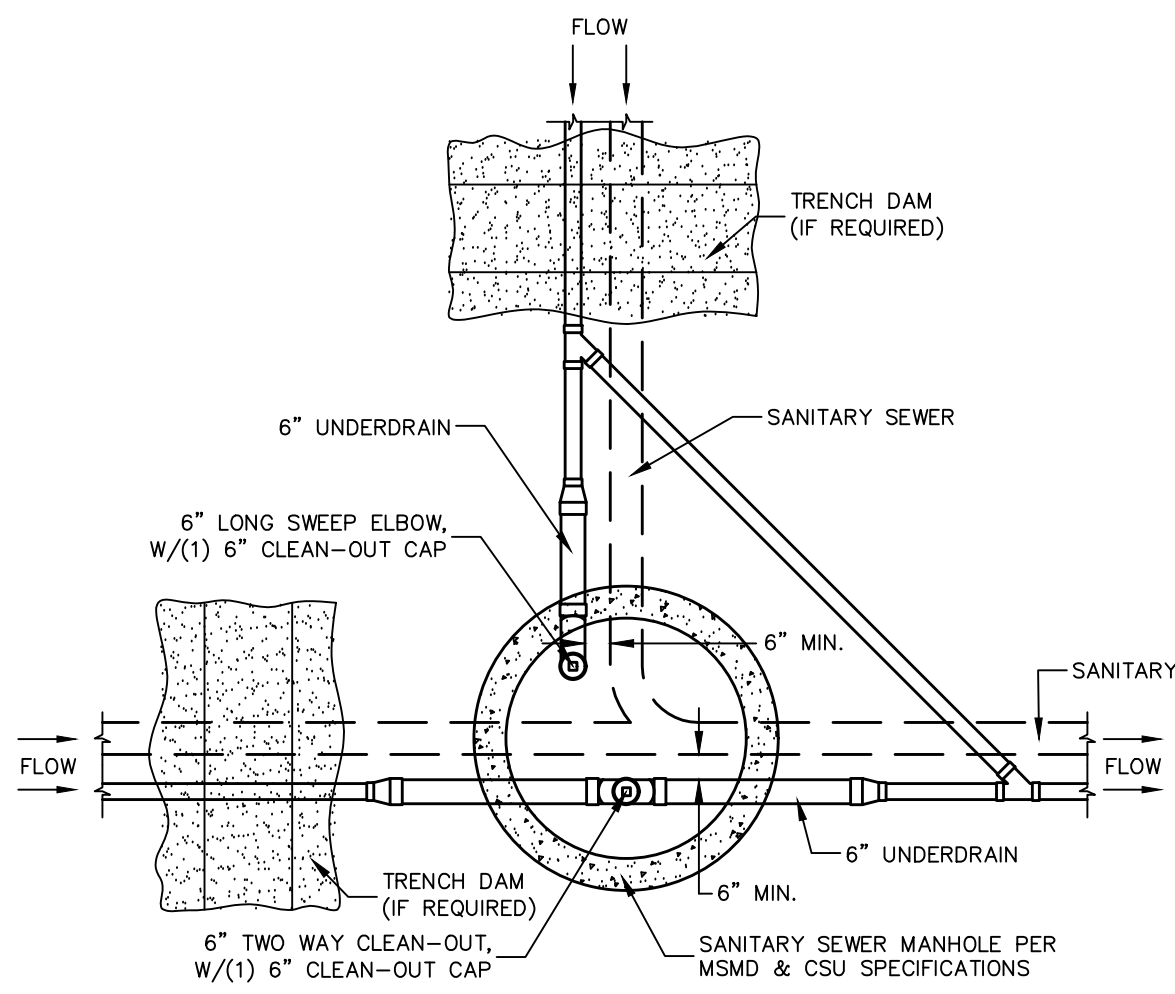
Scale	AS SHOWN	39 of 55			
Drawn by	LOG	Checked by	TAK	Date	JAN 2018
WINDINGWALK FL AT MERIDIAN RANCH					
STREET AND UTILITY PLANS					
UNDERDRAIN DETAILS					
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
MERIDIAN RANCH					
No.	Revisions	Date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



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

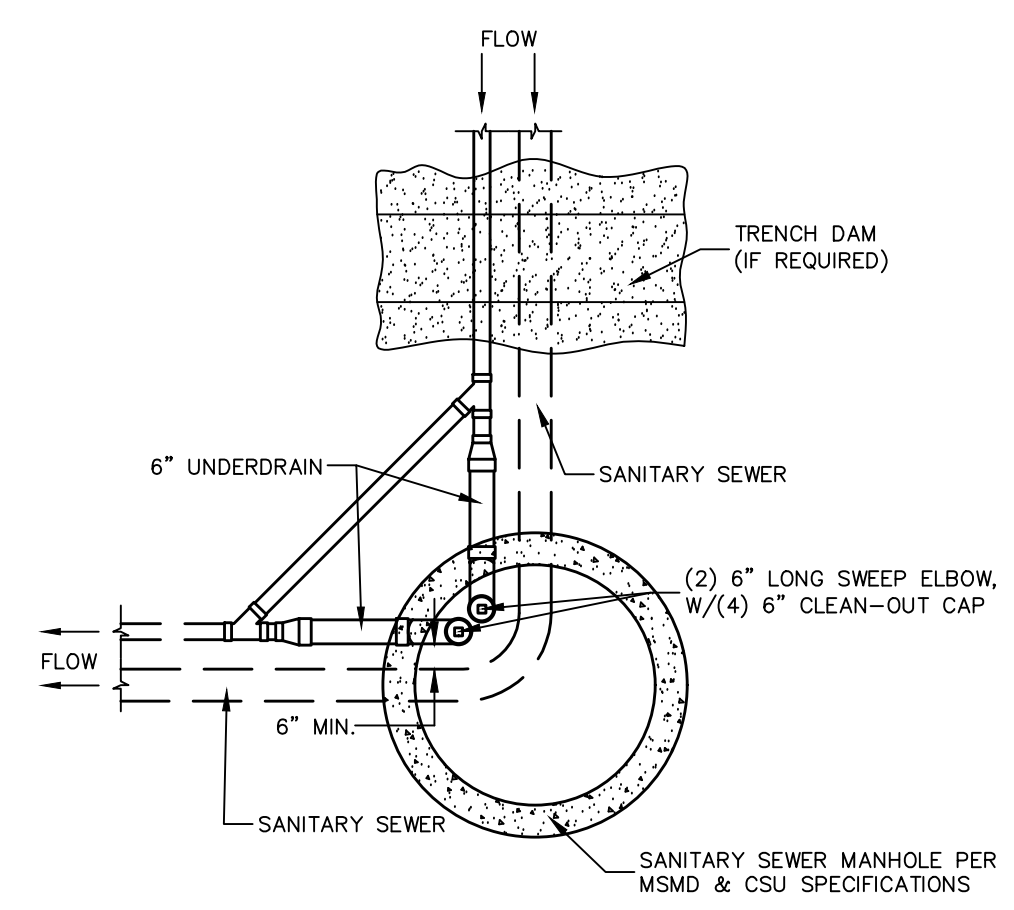


SSMH #33

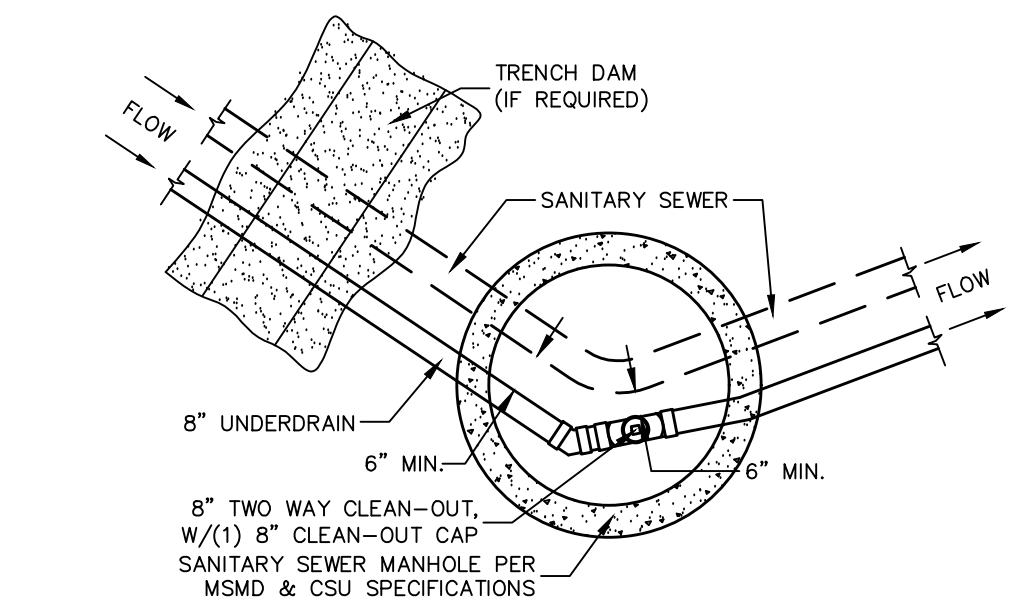


SSMH #39

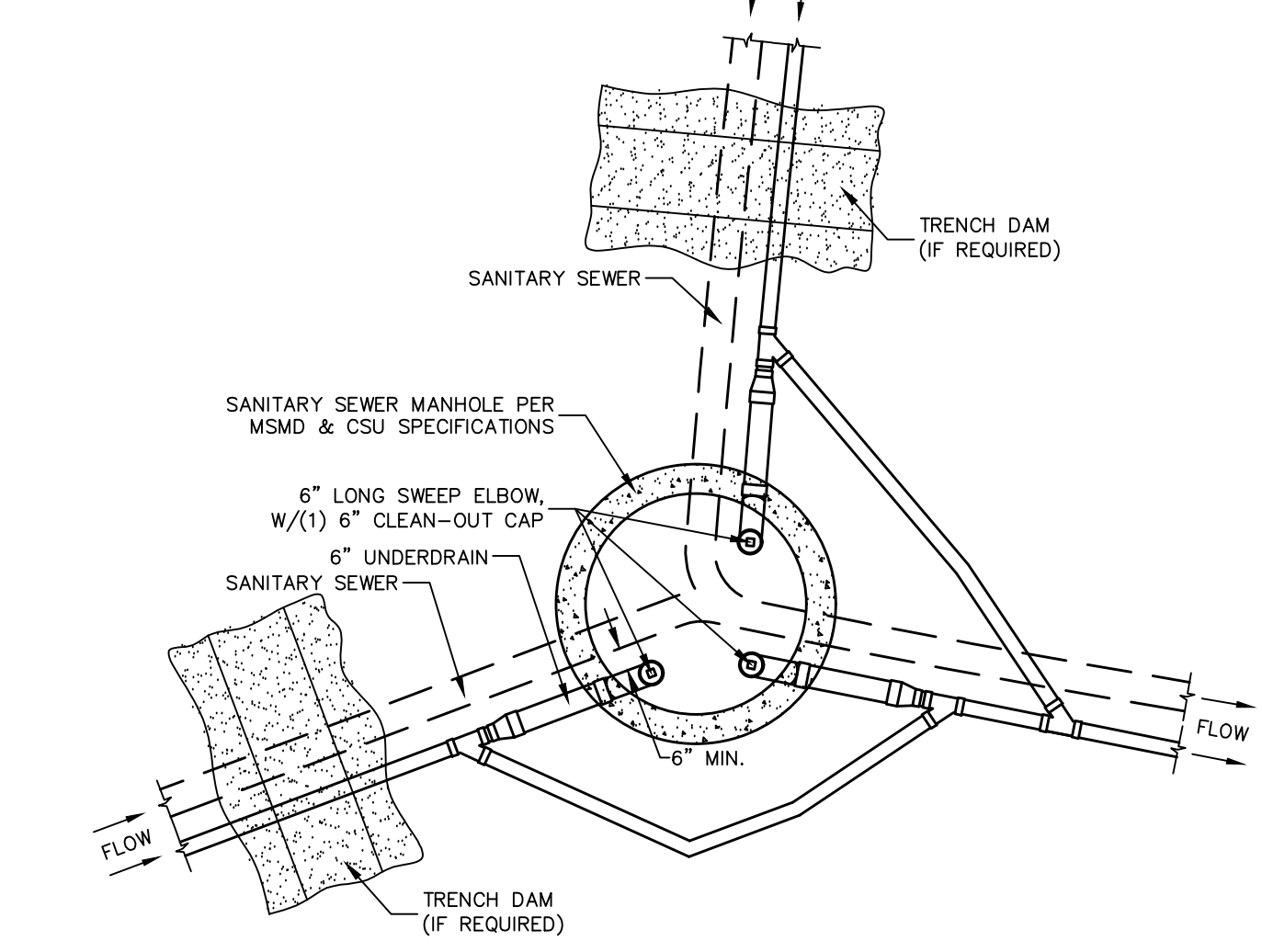
CLEAN-OUT DETAILS
SCALE : N.T.S.



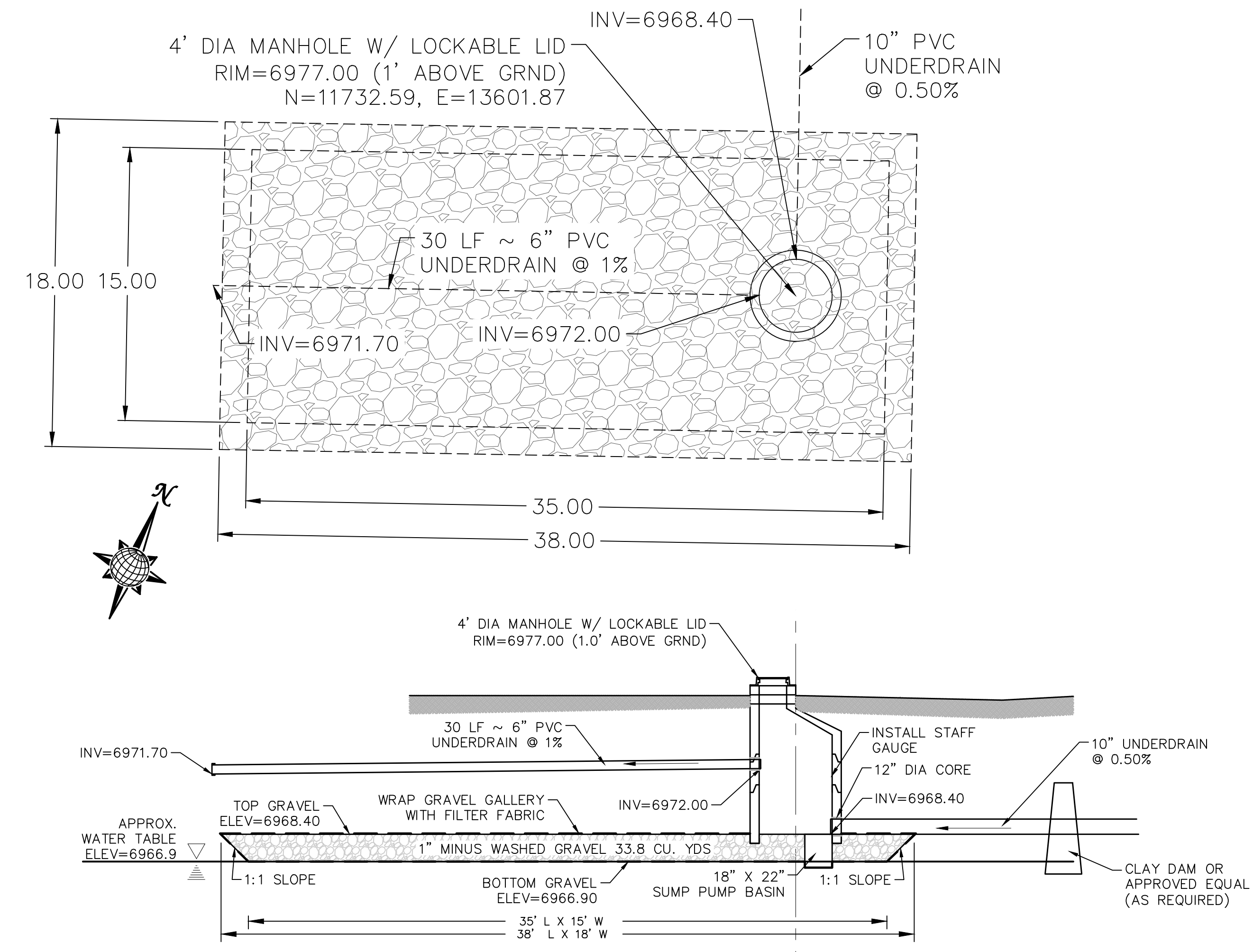
**SSMH #22, #25,
#37, #44, #47**



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 14 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		WINDINGWALK FLAT MERIDIAN RANCH STREET AND UTILITY PLANS UNDERDRAIN DETAILS	
Scale	AS SHOWN	Drawn by	LOG
		Checked by	TAK
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		Revisions	No.
		Date	Instr.
		Date	Appr.
		Date	Date



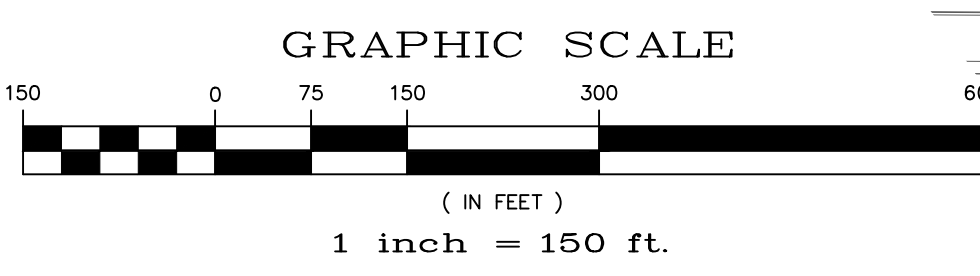
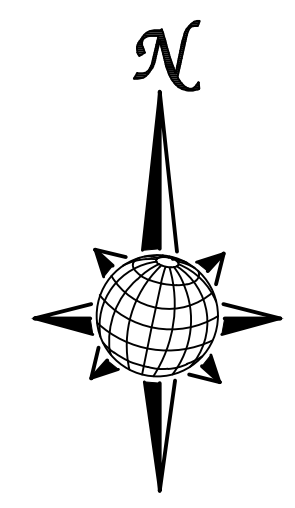
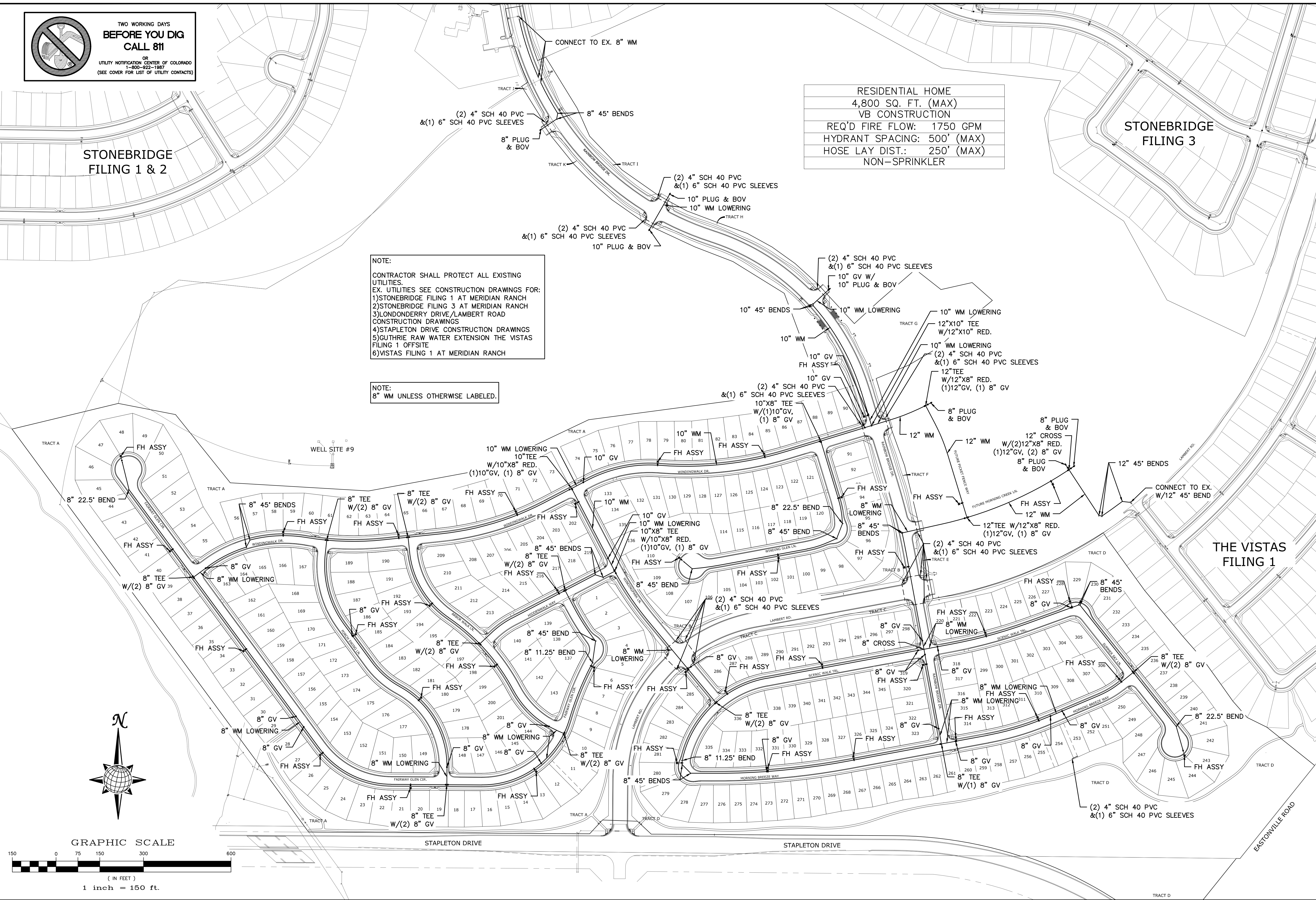
STONEBRIDGE
FILING 1 & 2

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

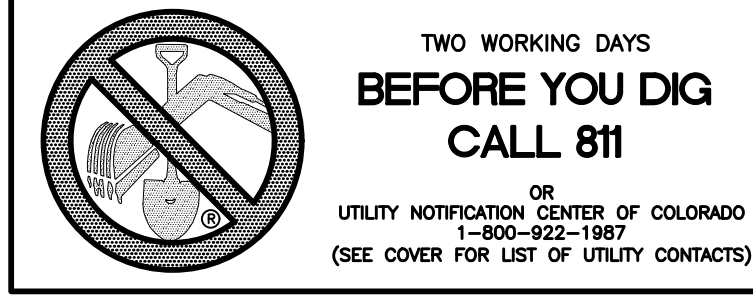
STONEBRIDGE
FILING 3

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.



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Checked by		TKK		Date	
WINDINGWALK FL AT MERIDIAN RANCH					
STREET AND UTILITY PLANS					
OVERALL WATER					
TECH CONTRACTORS					
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FALCON, CO 80831					
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FAX: 719.495.2457					
MERIDIAN RANCH					
Revisions		No.		Date	
Date		Invt.		Date	
Date		Appr.		Date	



STONEBRIDGE FILING 1 & 2

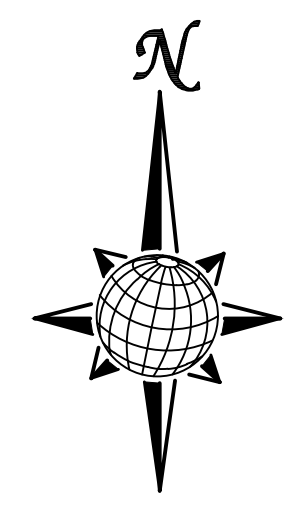
STONEBRIDGE FILING 3

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



(IN FEET)
1 inch = 150 ft.

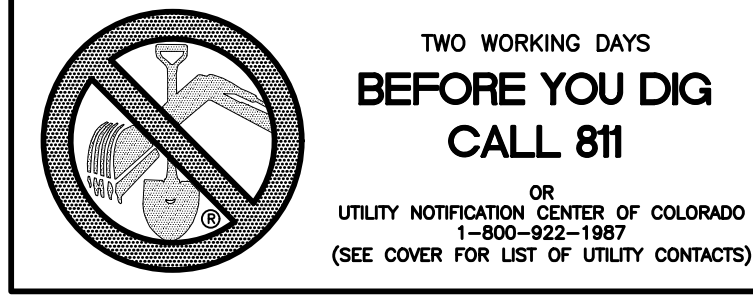
No.	Revisions	Date	Appr.	Date

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FAX: 719.495.2457



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

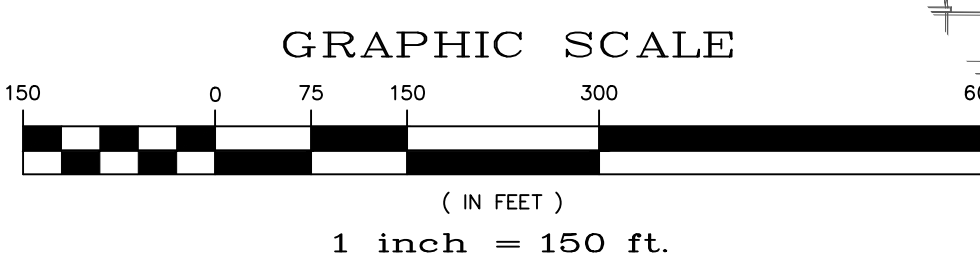
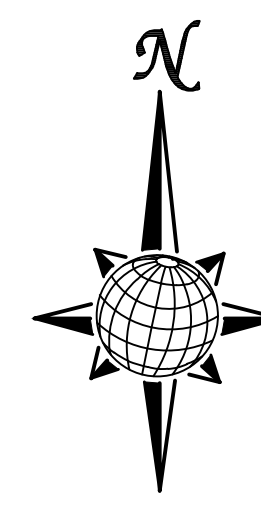
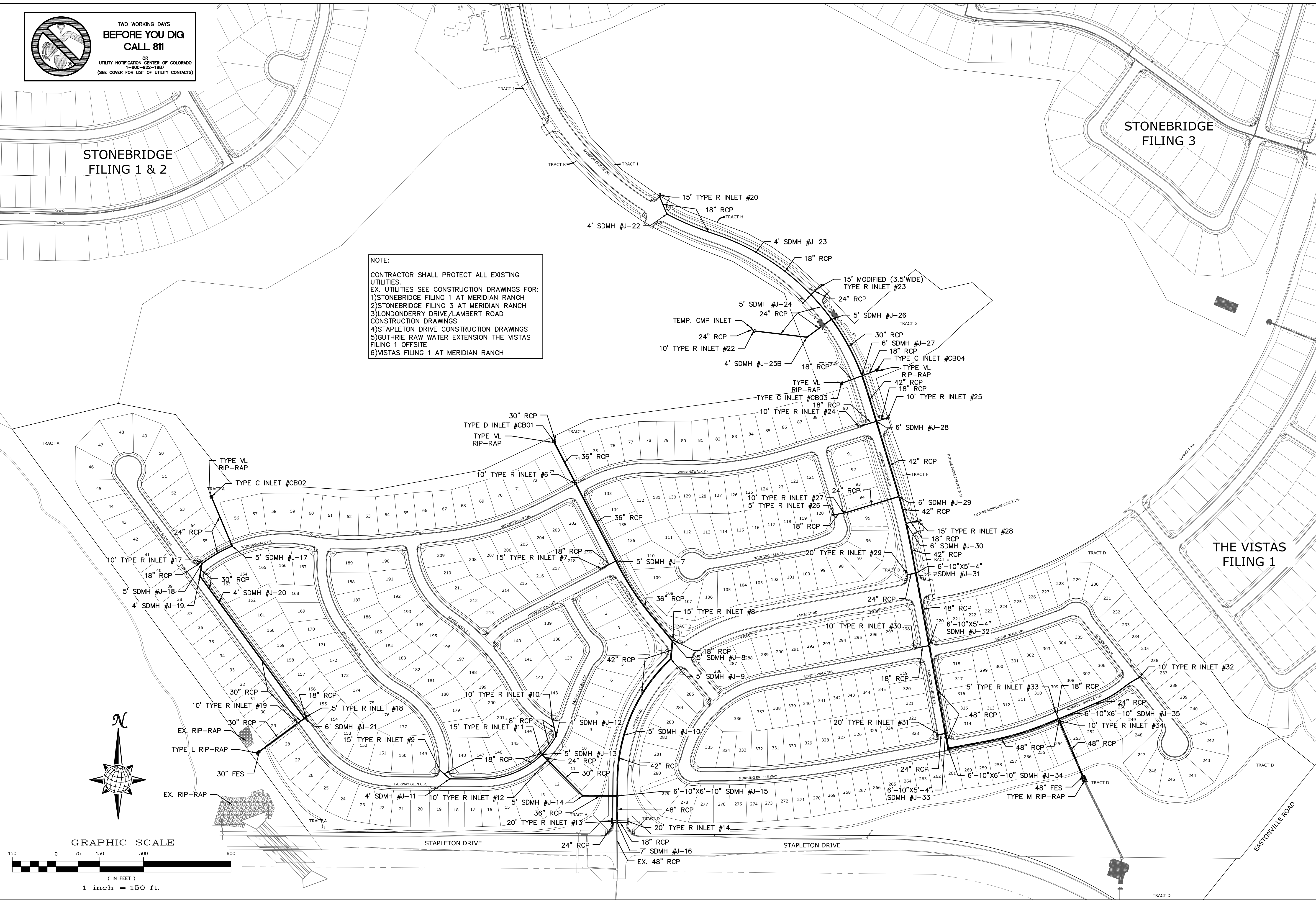
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STONEBRIDGE FILING 1 & 2

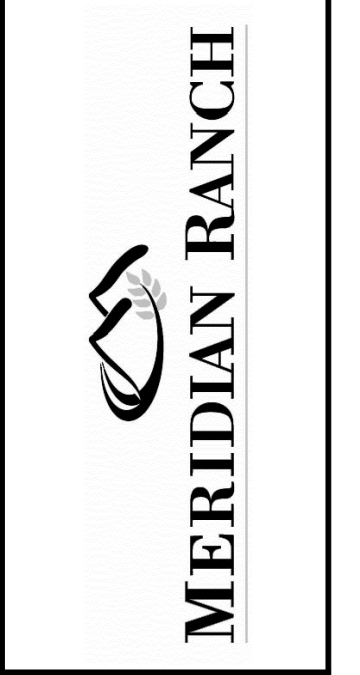
STONEBRIDGE FILING 3

NOTE:
 CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
 EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
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 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



No.	Revisions	Date	Instr.	Appr.	Date

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



WINDINGWALK FLAT MERIDIAN RANCH
 STREET AND UTILITY PLANS
 OVERALL STORM DRAIN

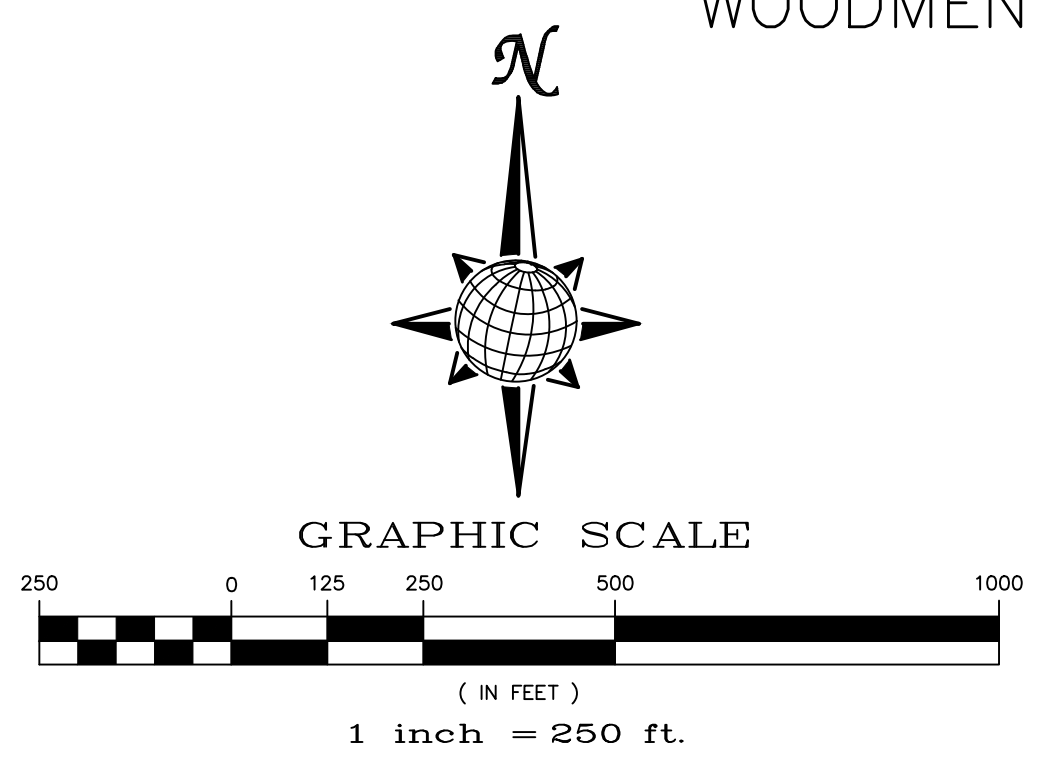
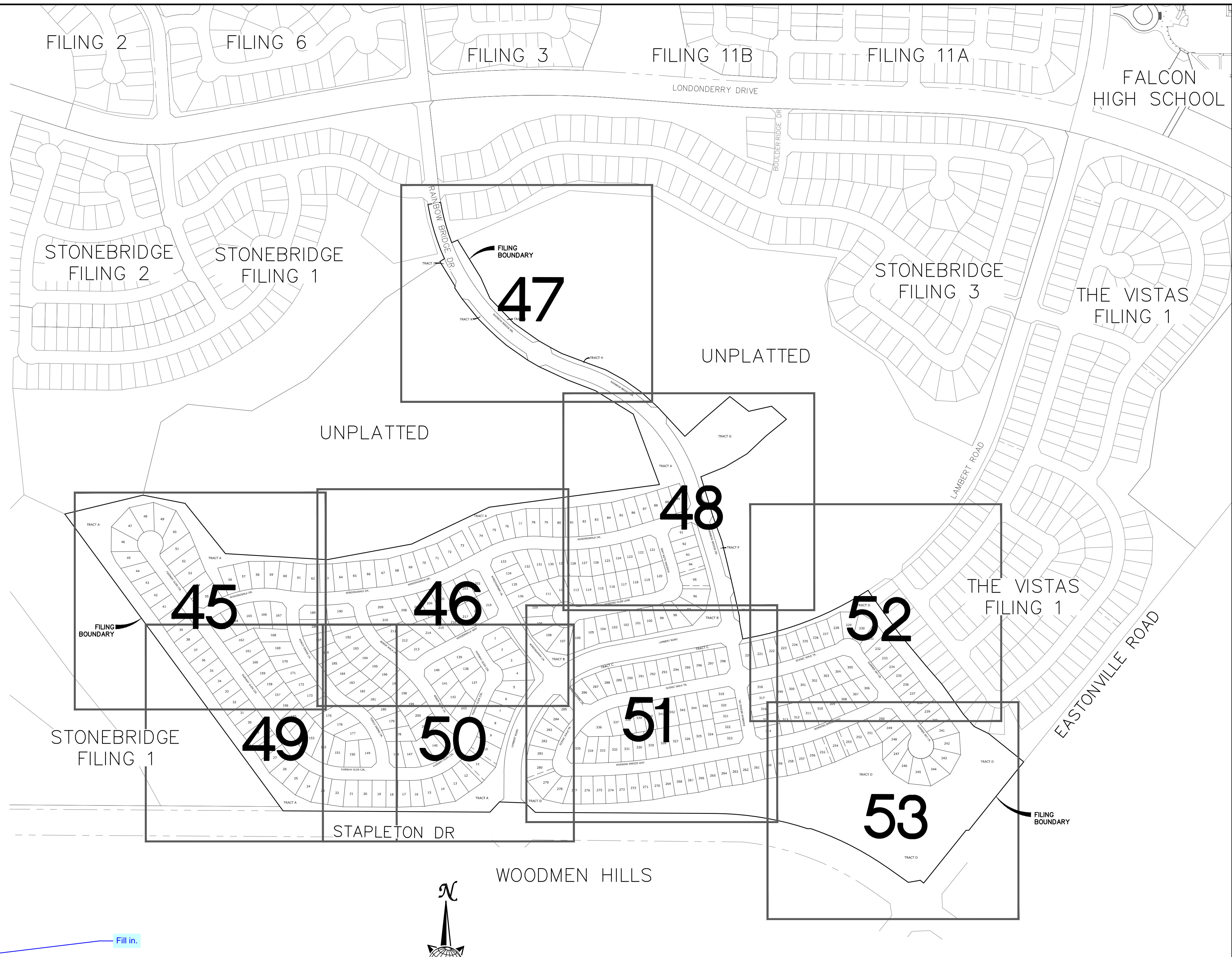
Drawn by LGA
 Checked by TAK
 Date JUN 2018

Scale AS SHOWN
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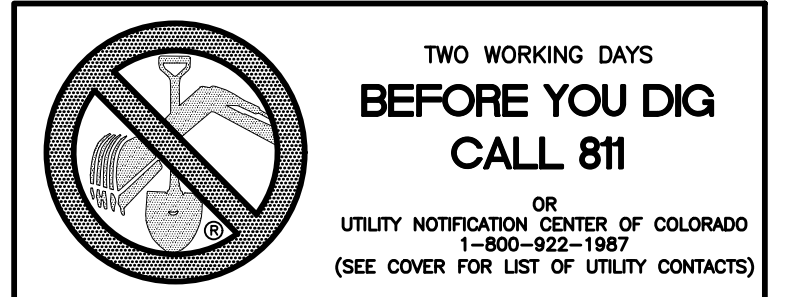
GENERAL NOTES:

1. 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.
2. 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.
3. 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.
4. 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.
5. ONCE THE ESQCP HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL BMPs AS INDICATED ON THE DEC. 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.
6. 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 90 DAYS SHALL ALSO BE SEEDED. ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND BMPs SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND ESTABLISHED.
7. 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.
8. ALL PERSONS ENGAGED IN EARTH DISTURBANCE SHALL IMPLEMENT AND MAINTAIN ACCEPTABLE SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING BMPs 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).
9. ALL TEMPORARY EROSION CONTROL FACILITIES INCLUDING BMPs 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.
10. 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.
11. 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.
12. 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.
13. EROSION CONTROL BLANKETING IS TO BE USED ON SLOPES STEEPER THAN 3:1.
14. 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. BMPs MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEMAED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
15. VEHICLE TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFFSITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
17. 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.
18. 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.
19. 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.
20. 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.
21. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE FLOW LINE OF THE CURB AND GUTTER OR IN THE DITCHLINE.
22. 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.
23. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
24. PRIOR TO ACTUAL CONSTRUCTION THE PERMITEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
25. A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
26. THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY ENTECH ENGINEERING, INC. AND SHALL BE CONSIDERED A PART OF THESE PLANS.
27. 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:

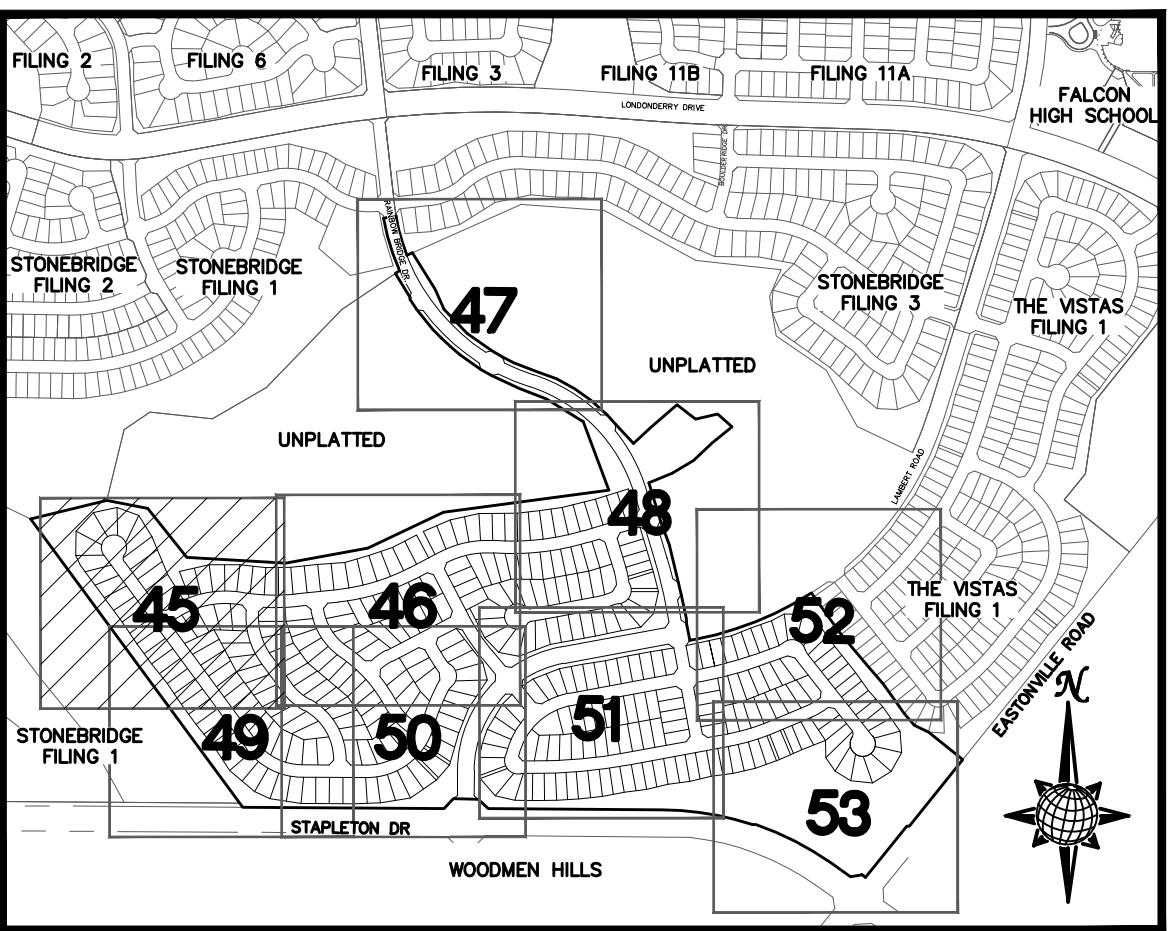
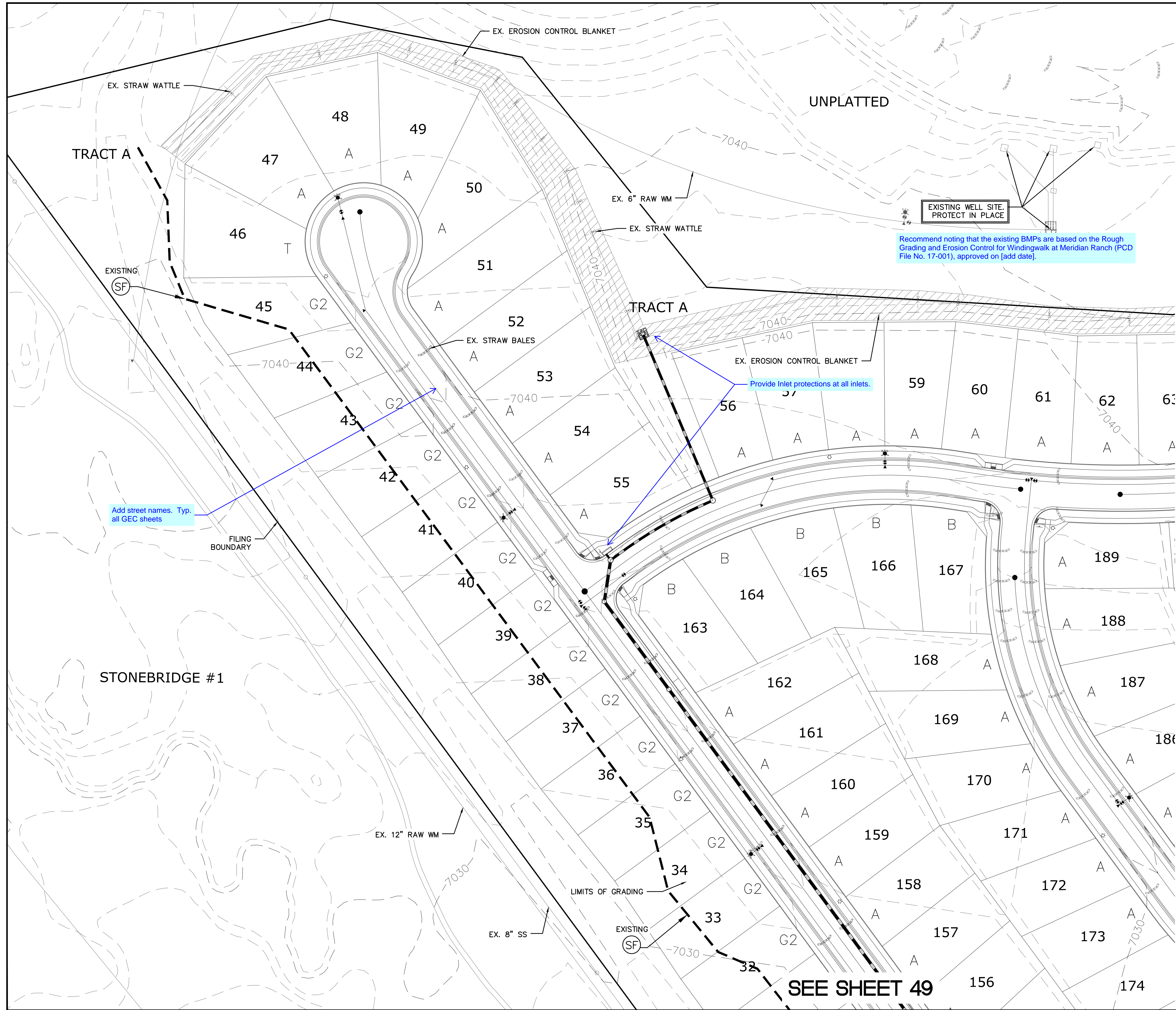
COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
 WATER QUALITY CONTROL DIVISION
 WOOD - PERMITS
 4300 CHERRY CREEK DRIVE SOUTH
 DENVER, CO 80246-1530
 ATTN: PERMITS UNIT



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		



Scale		AS SHOWN		44 of 55	
Drawn by	LOG	Checked by	TAK	Date	JAN 2018
WINDINGWALK FLAT MERIDIAN RANCH		GRADING/EROSION CONTROL PLAN		GRADING INDEX SHEET	
TECH CONTRACTORS		11886 STAPLETON DRIVE		FALCON, CO 80831	
PHONE: 719.495.7444		FAX: 719.495.2457			
MERIDIAN RANCH					
Revisions		No.		Date	
Appr.		Date		Date	

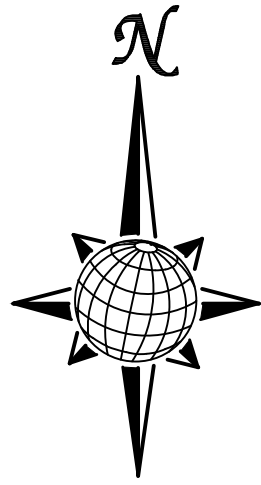
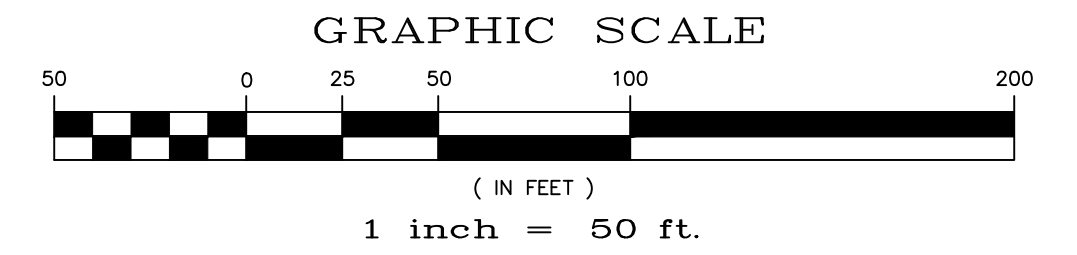


**INDEX MAP
N.T.S.**

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')
		GRADE
		LOT NUMBER
		LOT GRADE TYPE

SEE SHEET 46



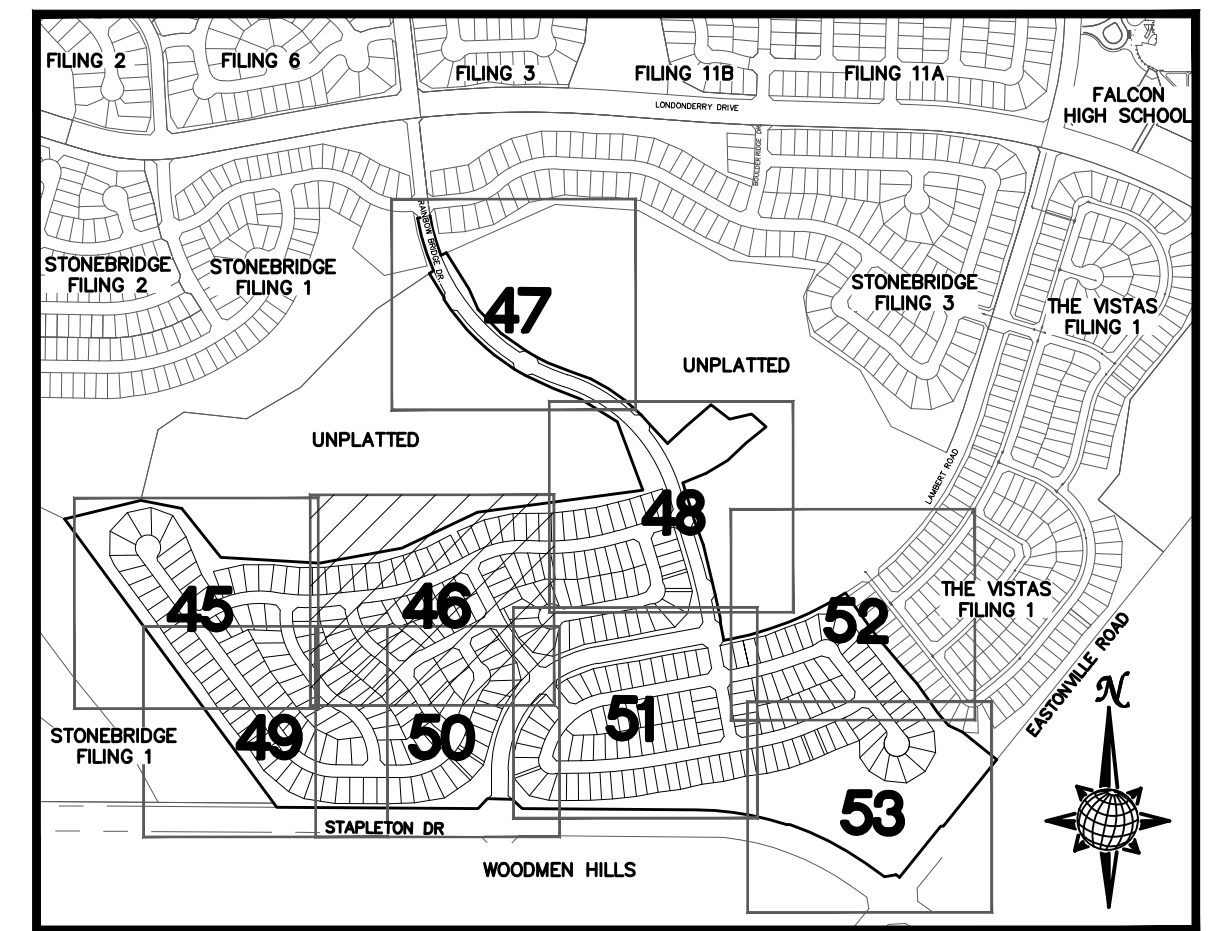
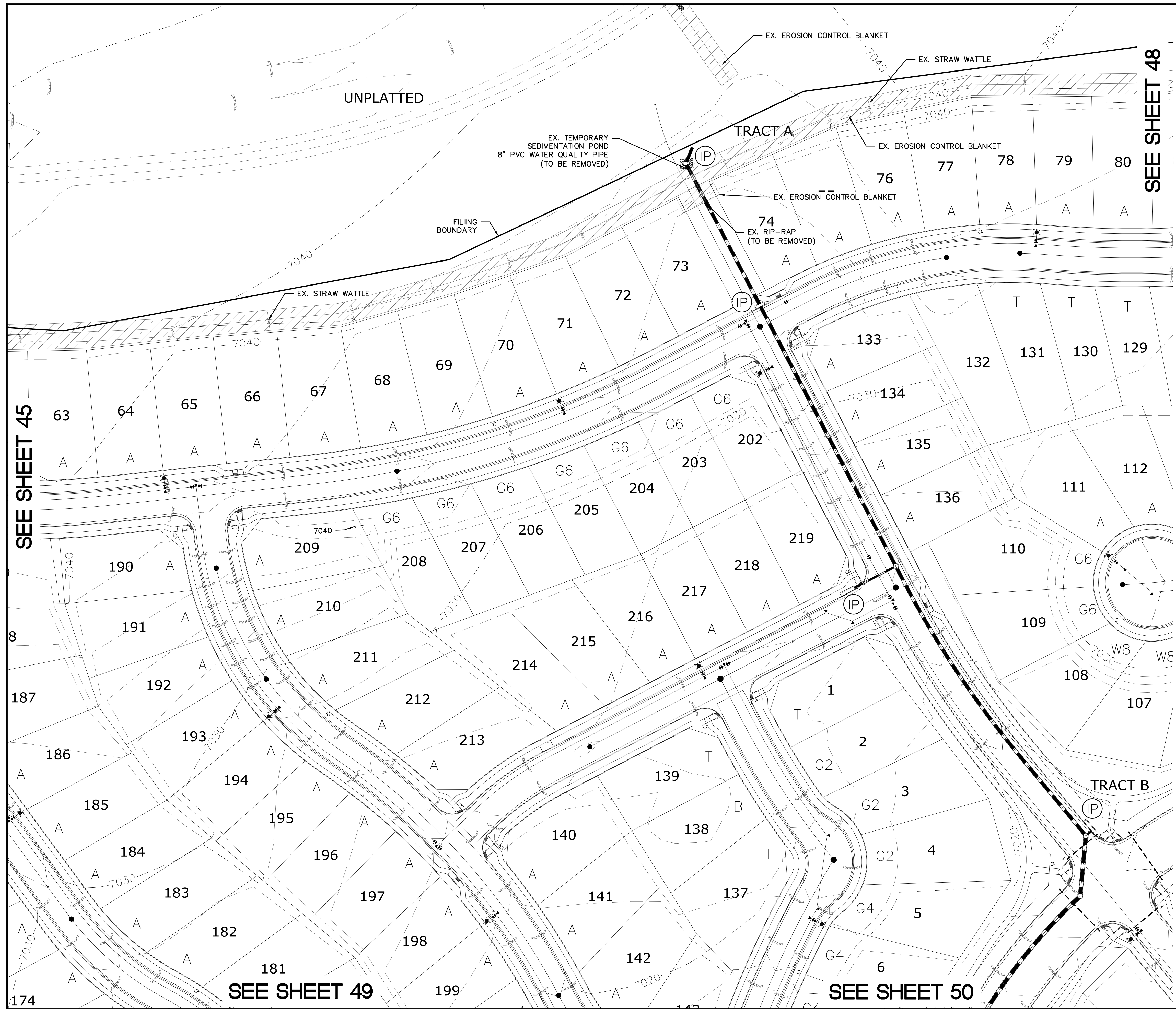
NOTE:
ALL CONTOURS SHOWN WITHIN THE PLAN SET ARE TO FINISHED SURFACE. ALL STREET SECTIONS ARE TO BE GRADED TO ROUGH SUB-GRADE AS SHOWN IN THEIR RESPECTIVE TYPICAL STREET SECTION SHOWN ON SHEET 54.

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

TWO WORKING DAYS BEFORE YOU DIG CALL 811

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

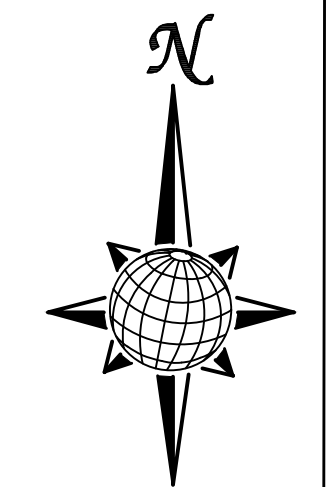
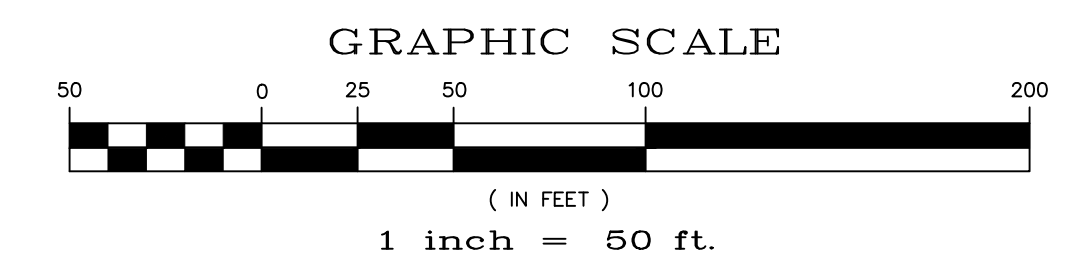
		Date
		Appr.
		Date
		Instr.
		Date
		Revisions
No.		
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		
MERIDIAN RANCH		
WINDINGWALK FL AT MERIDIAN RANCH		PLAN SHEET
Drawn by LGA	Checked by TAK	Date JUN 2018
Scale AS SHOWN	45 of 55	



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



NOTE:
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5)GUTHRIE RAW WATER EXTENSION THE VISTAS FILING 1 OFFSITE
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7)VISTAS FILING 1 AT MERIDIAN RANCH

TWO WORKING DAYS BEFORE YOU DIG CALL 811

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1-800-922-1987
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SEE SHEET 45

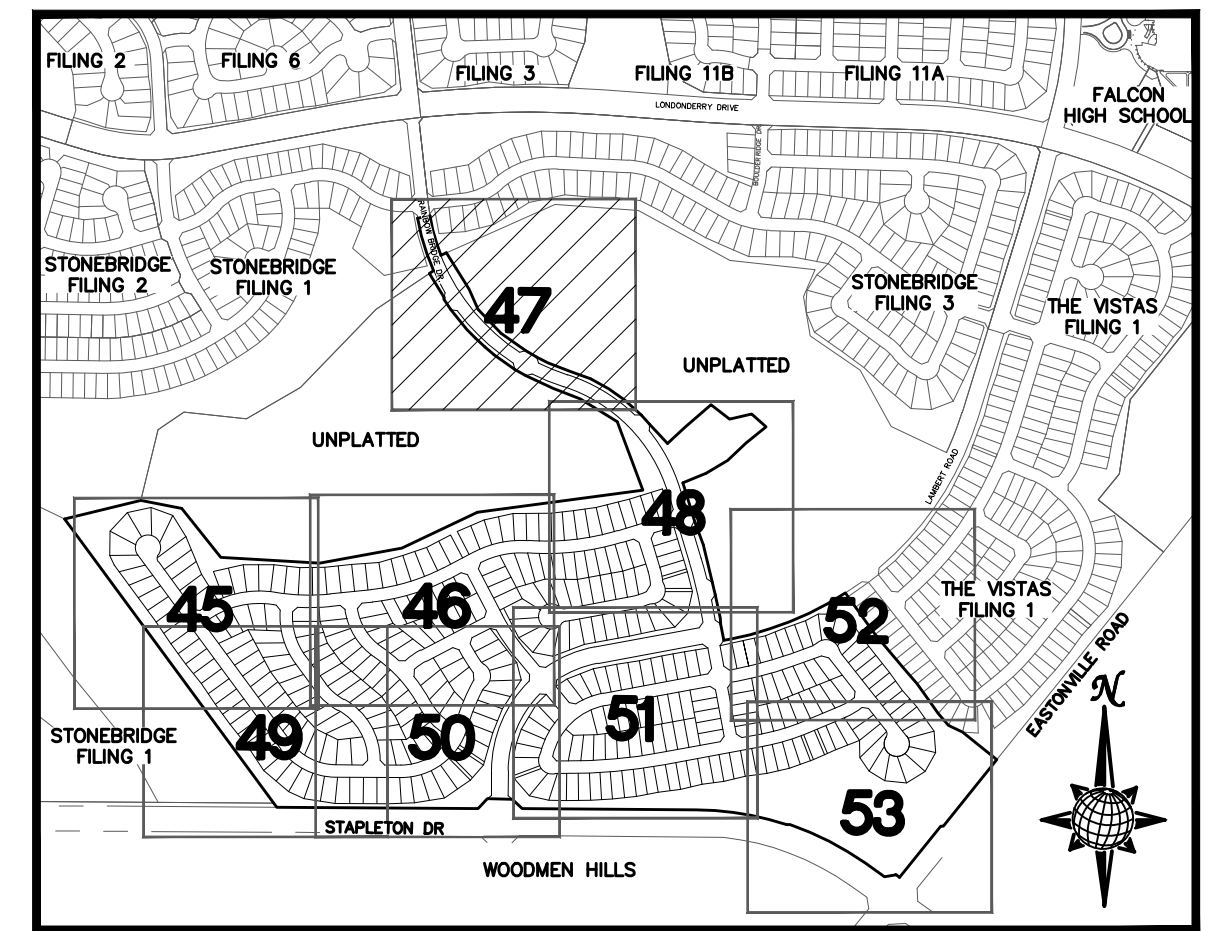
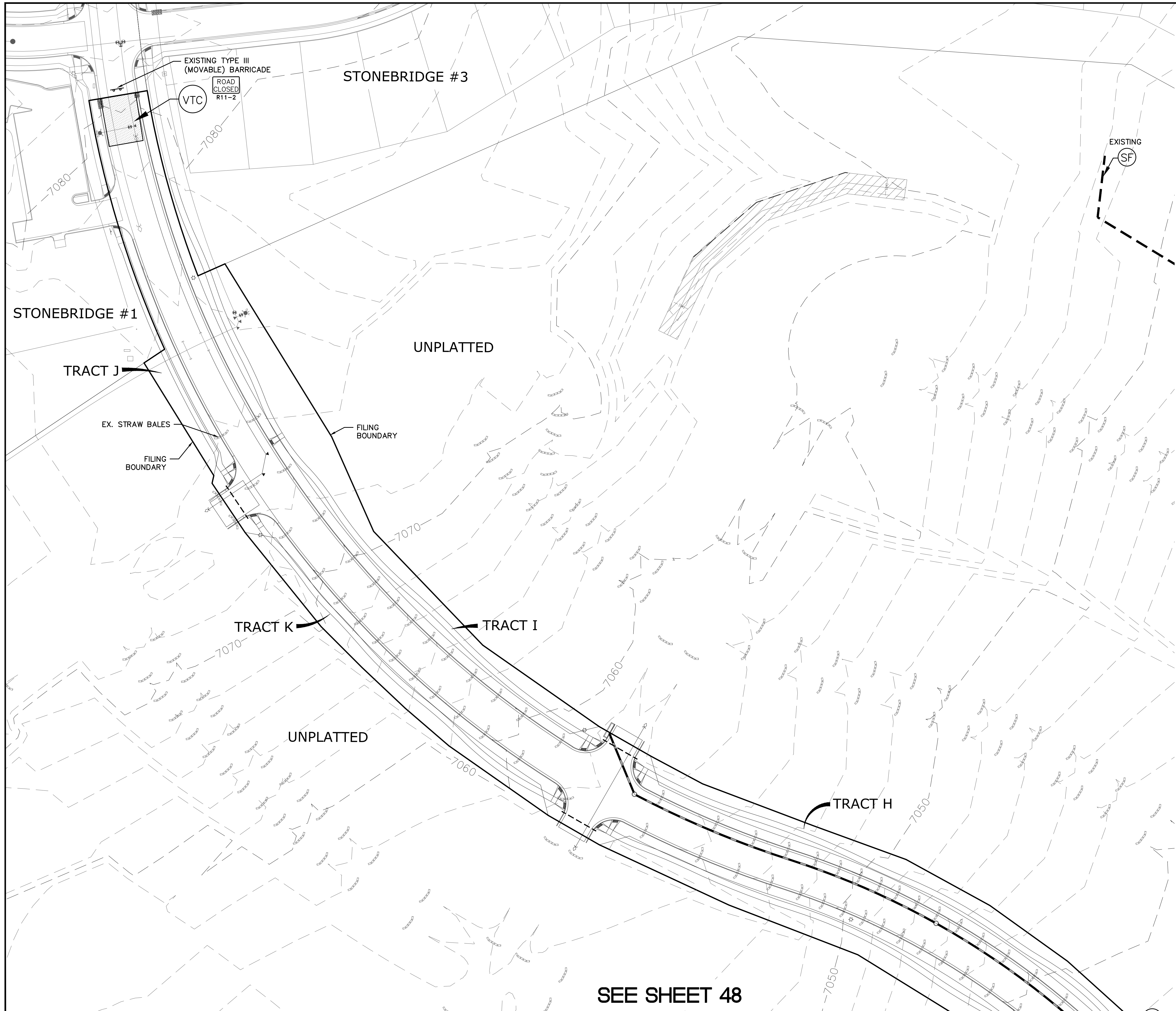
SEE SHEET 48

SEE SHEET 51

SEE SHEET 49

SEE SHEET 50

		Date
		Appr.
		Date
		Instr.
		Date
		Revisions
No.		
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		
 MERIDIAN RANCH		
WINDINGWALK FLAT MERIDIAN RANCH		PLAN SHEET
Drawn by	Checked by	Date
LOG	TAK	JAN 2018
Scale	AS SHOWN	46 of 55

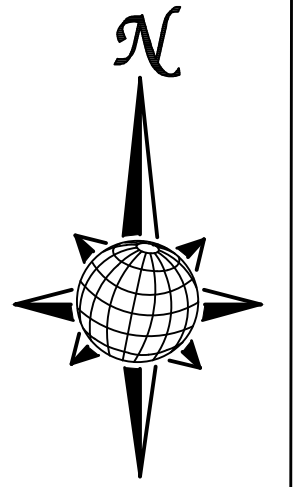
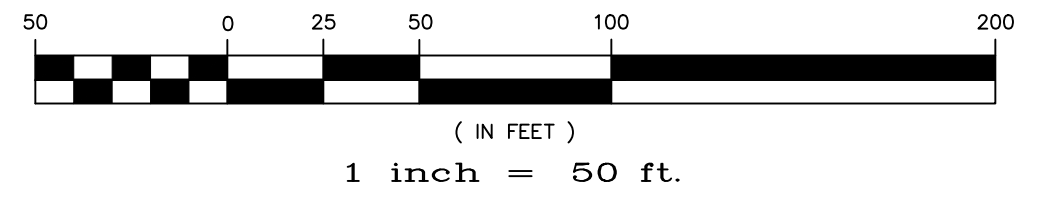


INDEX MAP
N.T.S.

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

GRAPHIC SCALE



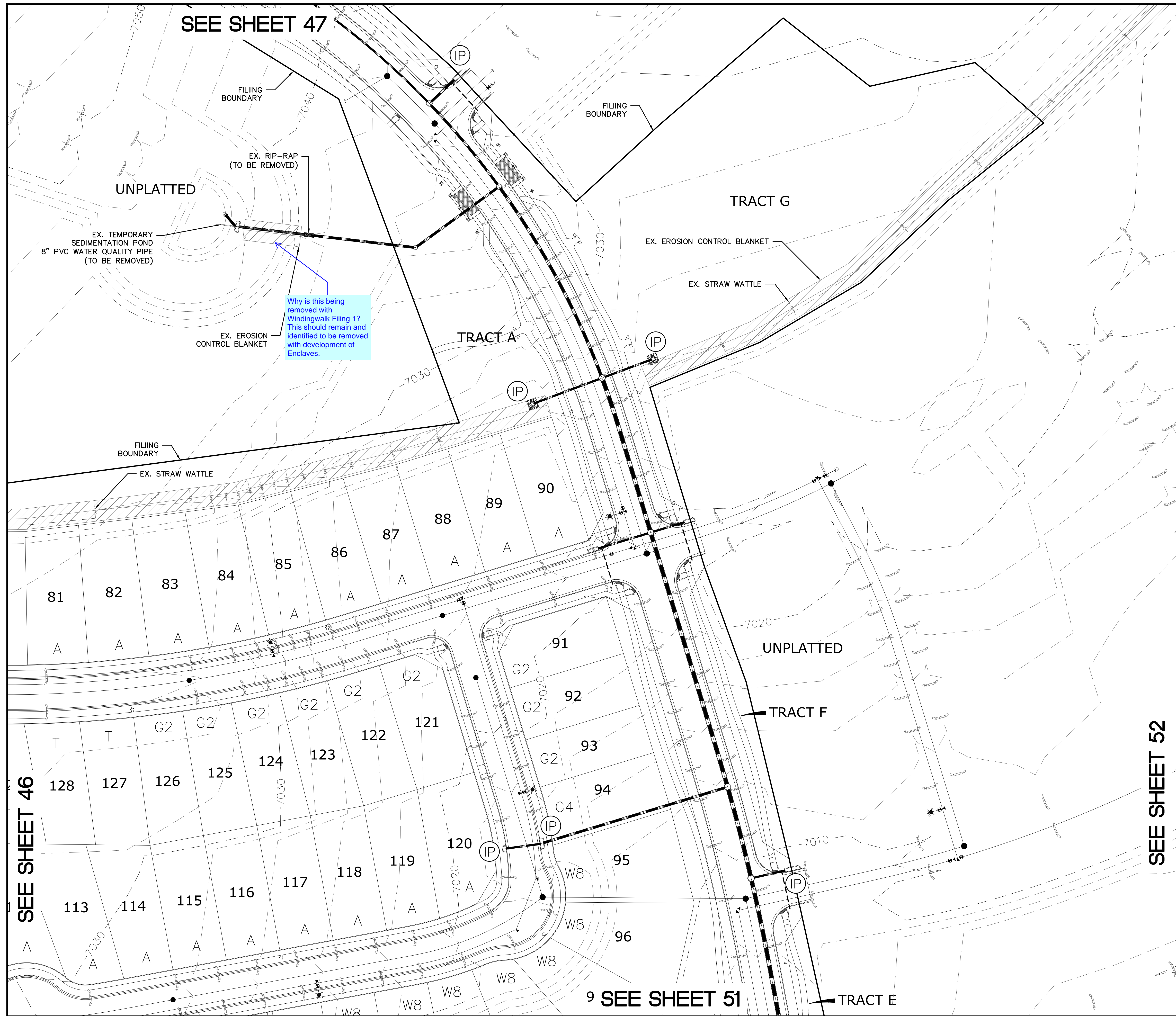
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4)STAPLETON DRIVE CONSTRUCTION DRAWINGS
5)GUTHRIE RAW WATER EXTENSION THE VISTAS FILING 1 OFFSITE
6)MERIDIAN RANCH FILING 11
7)VISTAS FILING 1 AT MERIDIAN RANCH

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

SEE SHEET 48

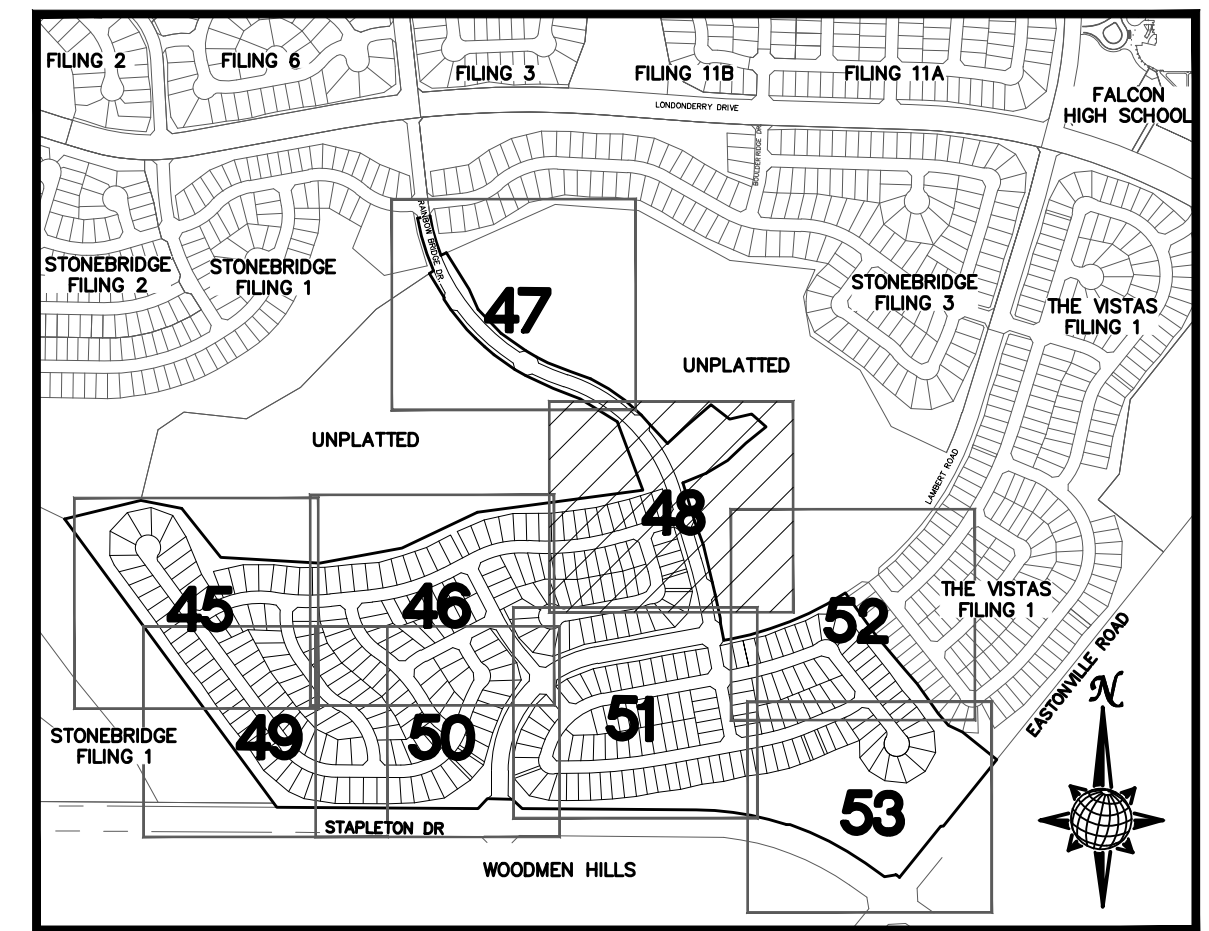
				Date
				Appr.
				Date
				Revisions
				No.
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457				
 MERIDIAN RANCH				
WINDINGWALK FL AT MERIDIAN RANCH		GRADING+EROSION CONTROL PLAN		PLAN SHEET
Drawn by LOG	Checked by TKR	Date JUN 2018		
Scale AS SHOWN	of 55		9	
				Update page numbering



SEE SHEET 47

SEE SHEET 52

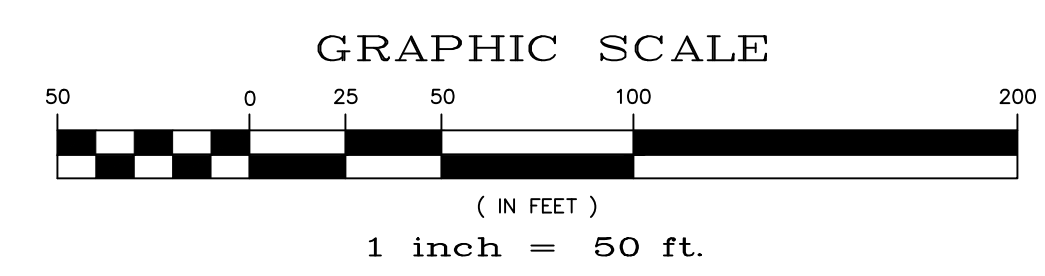
SEE SHEET 51



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

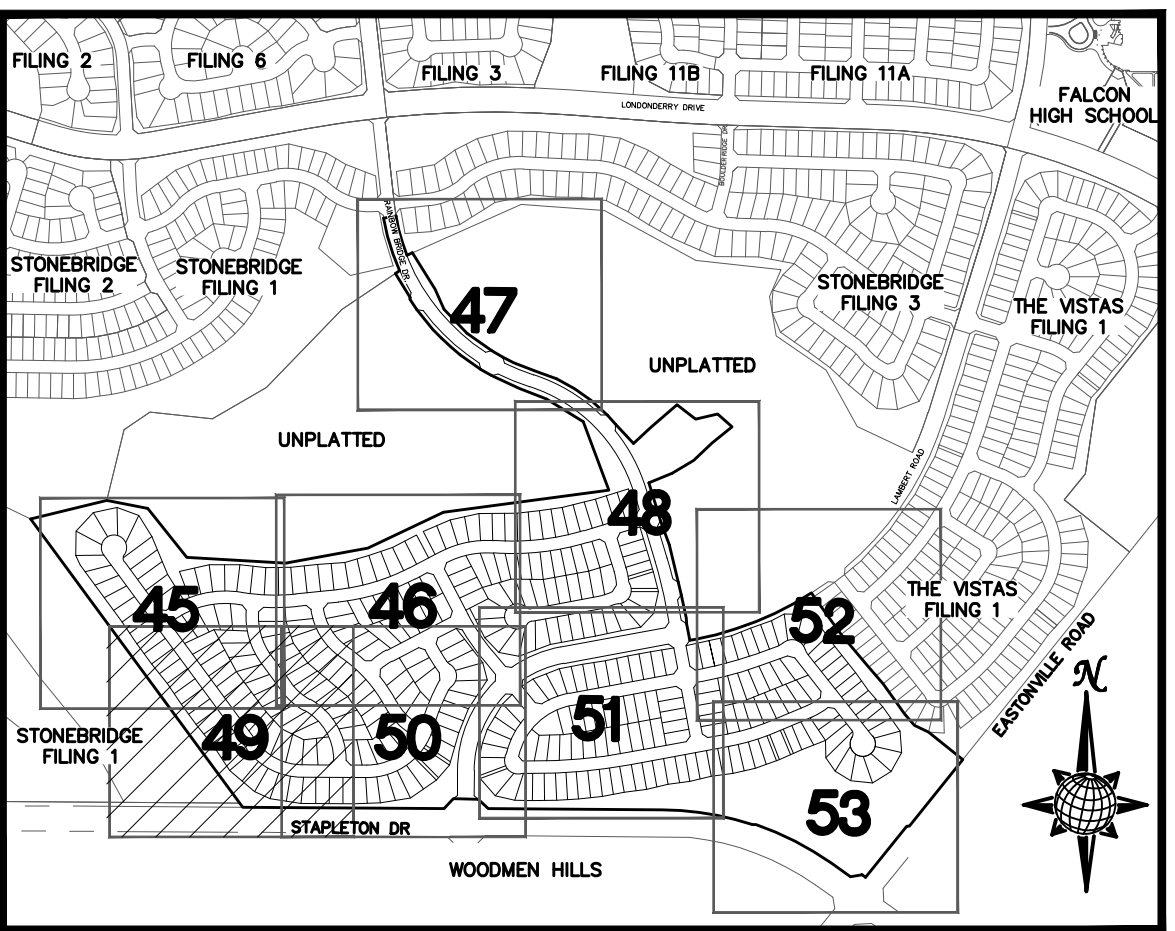
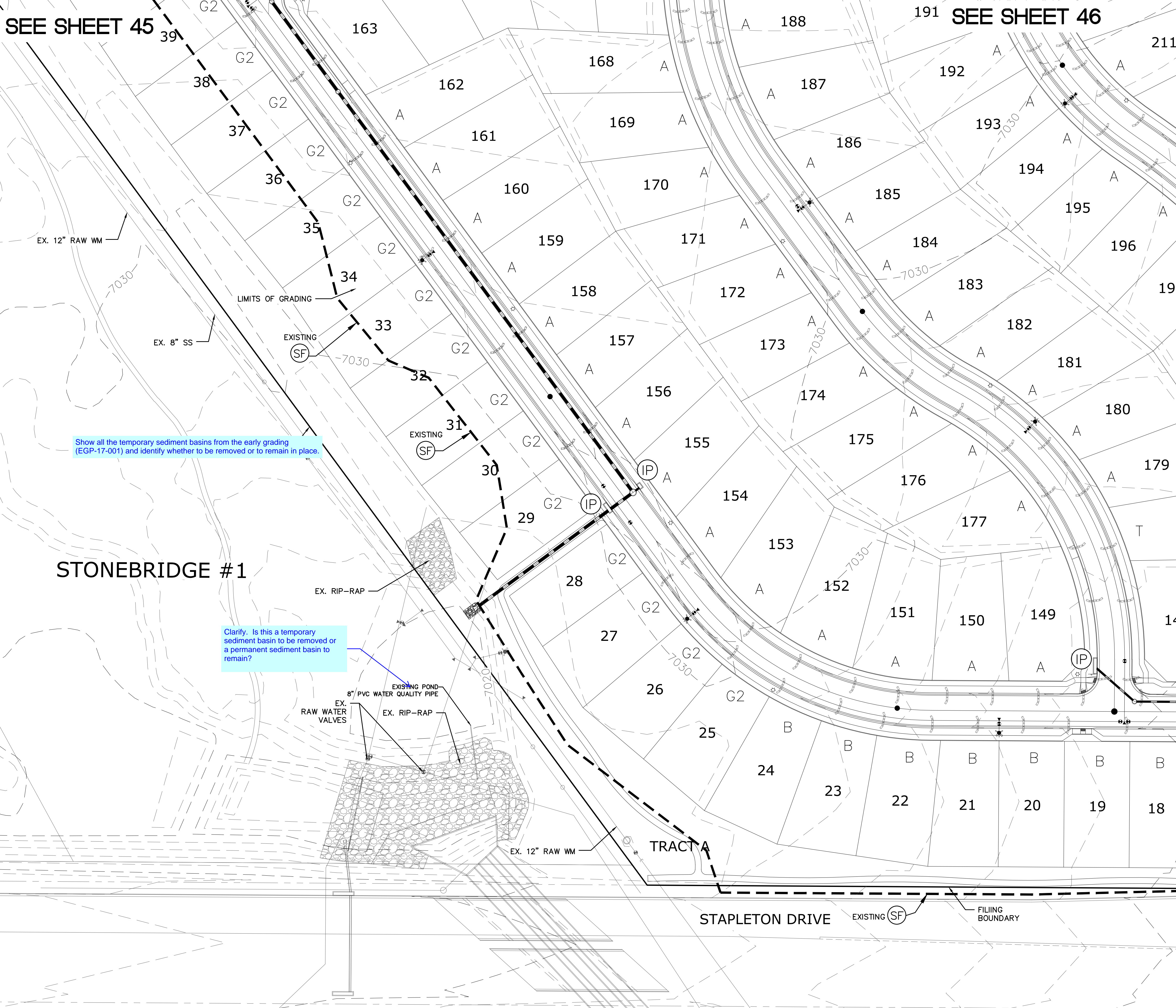


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4)STAPLETON DRIVE CONSTRUCTION DRAWINGS
5)GUTHRIE RAW WATER EXTENSION THE VISTAS FILING 1 OFFSITE
6)MERIDIAN RANCH FILING 11
7)VISTAS FILING 1 AT MERIDIAN RANCH

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

TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		WINDINGWALK FL AT MERIDIAN RANCH GRADING+EROSION CONTROL PLAN PLAN SHEET													
Drawn by AS SHOWN	Checked by TAK	Date JUN 2018	Scale 48 of 55												
<table border="1"> <tr> <th>No.</th> <th>Revisions</th> <th>Date</th> <th>Appr.</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		No.	Revisions	Date	Appr.					<table border="1"> <tr> <th>Date</th> <th>Appr.</th> </tr> <tr> <td> </td> <td> </td> </tr> </table>		Date	Appr.		
No.	Revisions	Date	Appr.												
Date	Appr.														

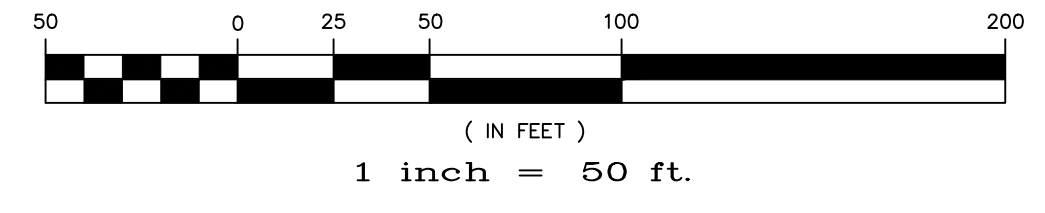


INDEX MAP
N.T.S.

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')
	2.00%	GRADE
	75	LOT NUMBER
	A	LOT GRADE TYPE

GRAPHIC SCALE



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

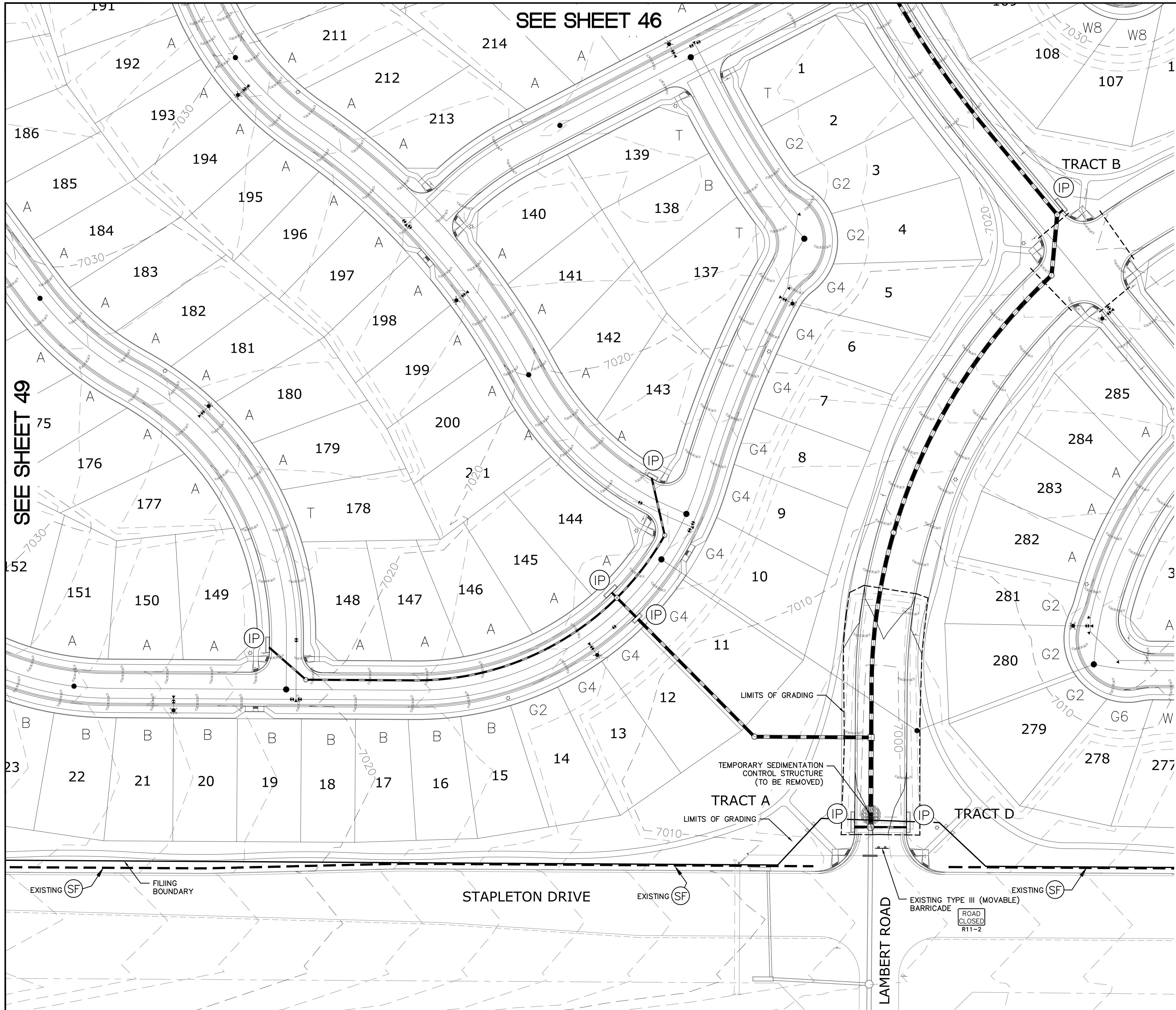
TWO WORKING DAYS BEFORE YOU DIG CALL 811

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

Show all the temporary sediment basins from the early grading (EGP-17-001) and identify whether to be removed or to remain in place.

Clarify. Is this a temporary sediment basin to be removed or a permanent sediment basin to remain?

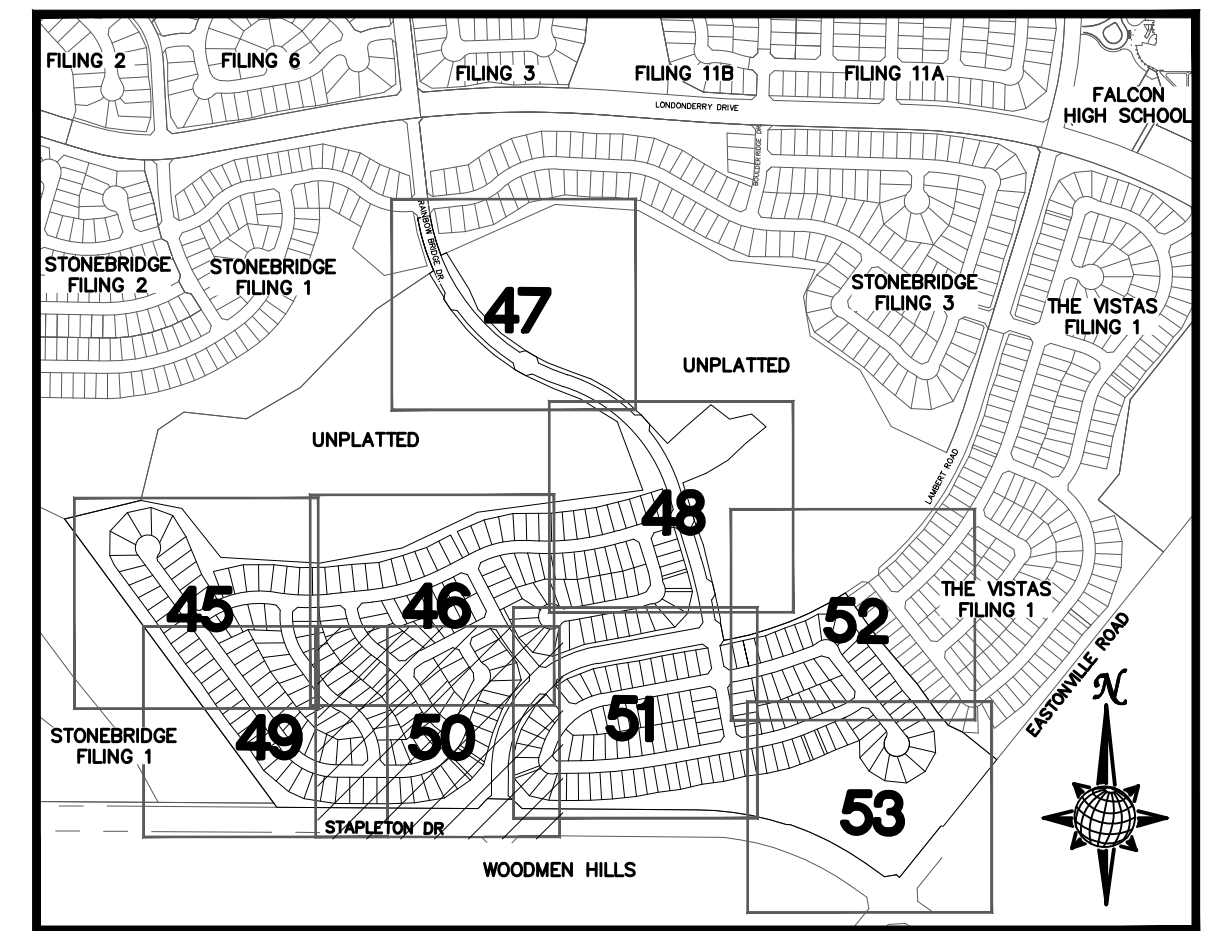
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		MERIDIAN RANCH		WINDINGWALK FL AT MERIDIAN RANCH		GRADING+EROSION CONTROL PLAN		PLAN SHEET	
Drawn by	LOG	Checked by	TAK	Date	JUN 2018	Scale	AS SHOWN	49	of 55
No.	Revisions	Date	Instr.	Appr.	Date				



SEE SHEET 46

SEE SHEET 49

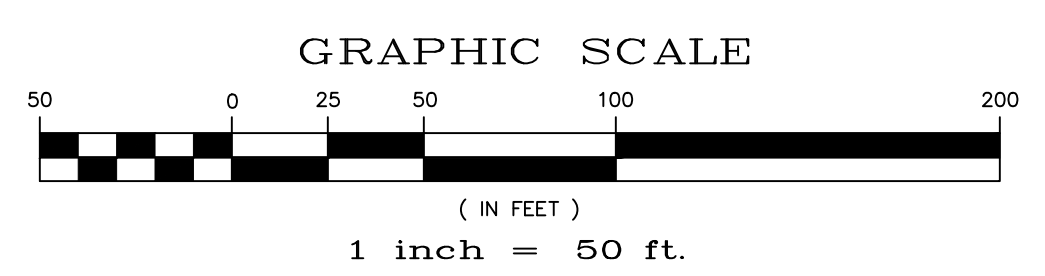
SEE SHEET 51



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N.T.S.

LEGEND

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



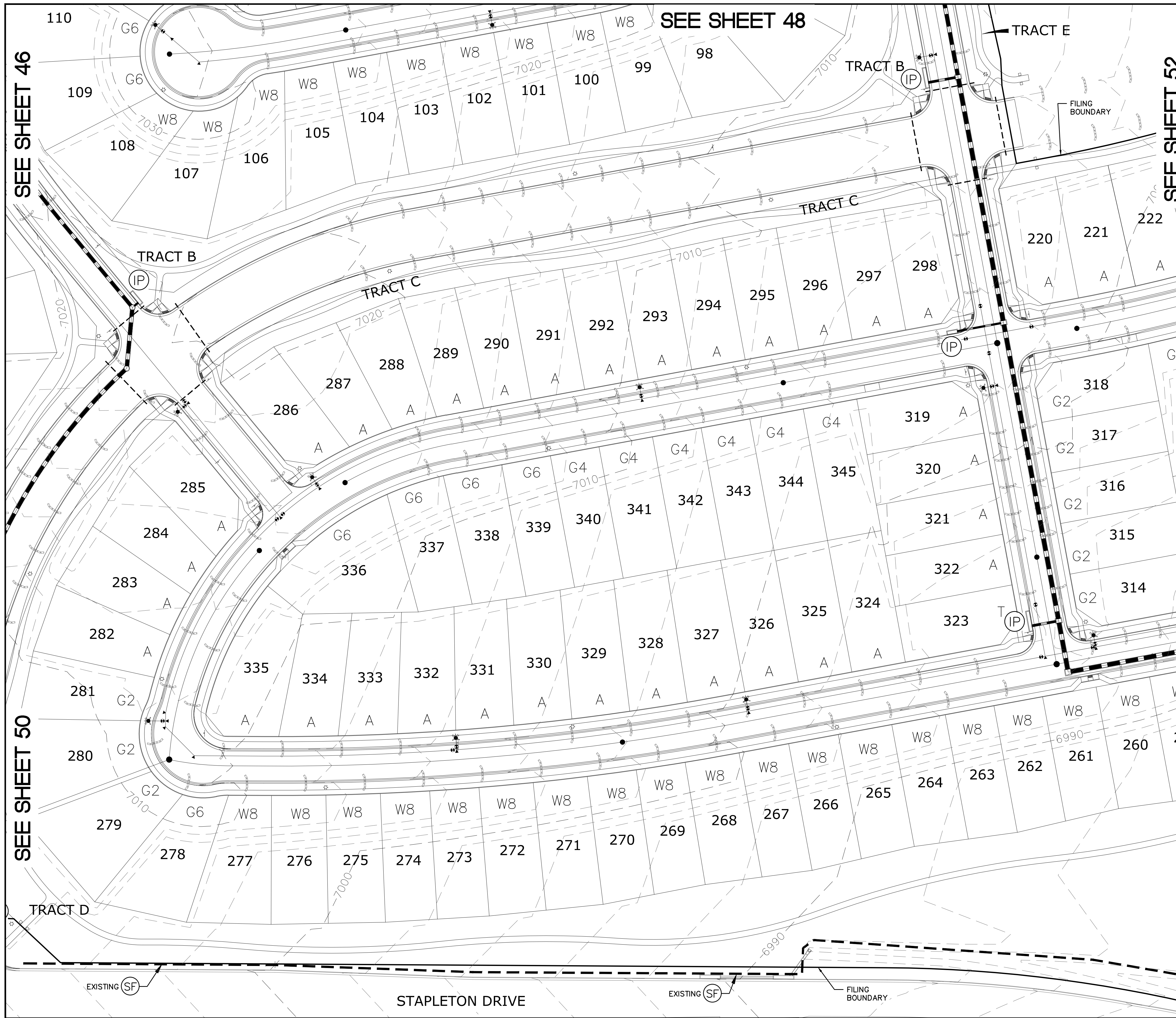
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Scale	AS SHOWN	50 of 55	Date	JAN 2018
Drawn by	LOG	Checked by	TAK	
WINDINGWALK FLAT MERIDIAN RANCH GRADING/EROSION CONTROL PLAN PLAN SHEET				
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457				
No.		Revisions	Date	Appr.



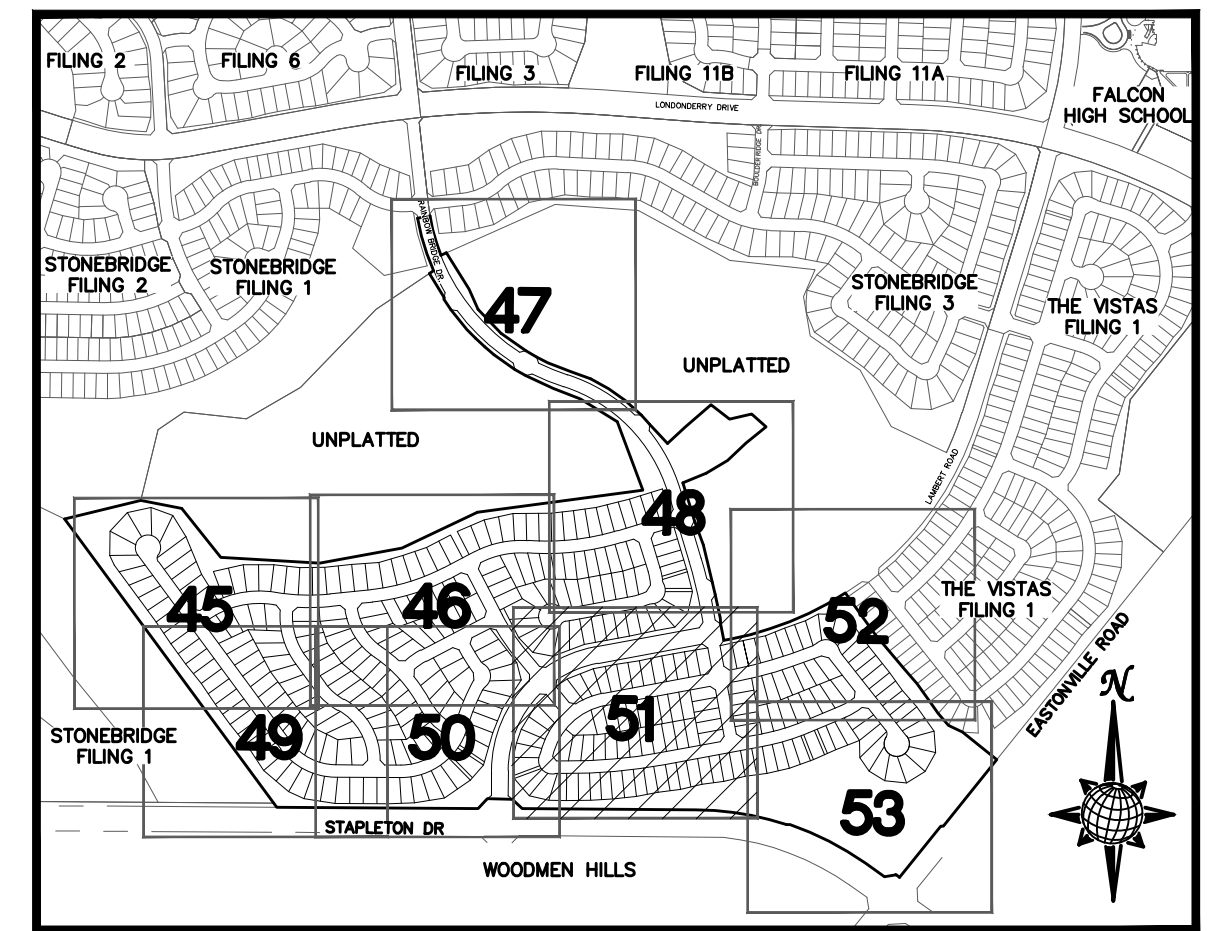
SEE SHEET 48

SEE SHEET 46

SEE SHEET 52

SEE SHEET 50

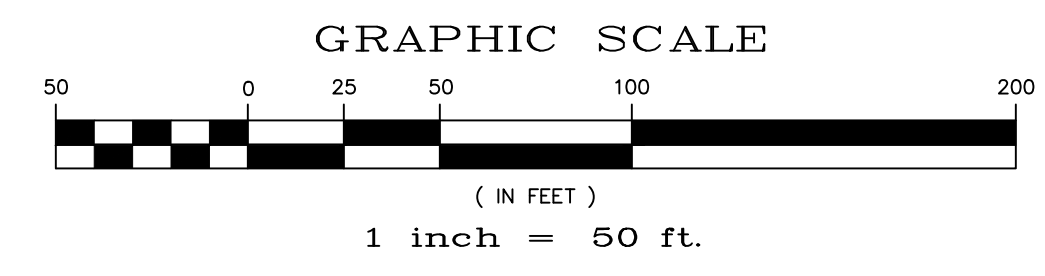
SEE SHEET 53



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



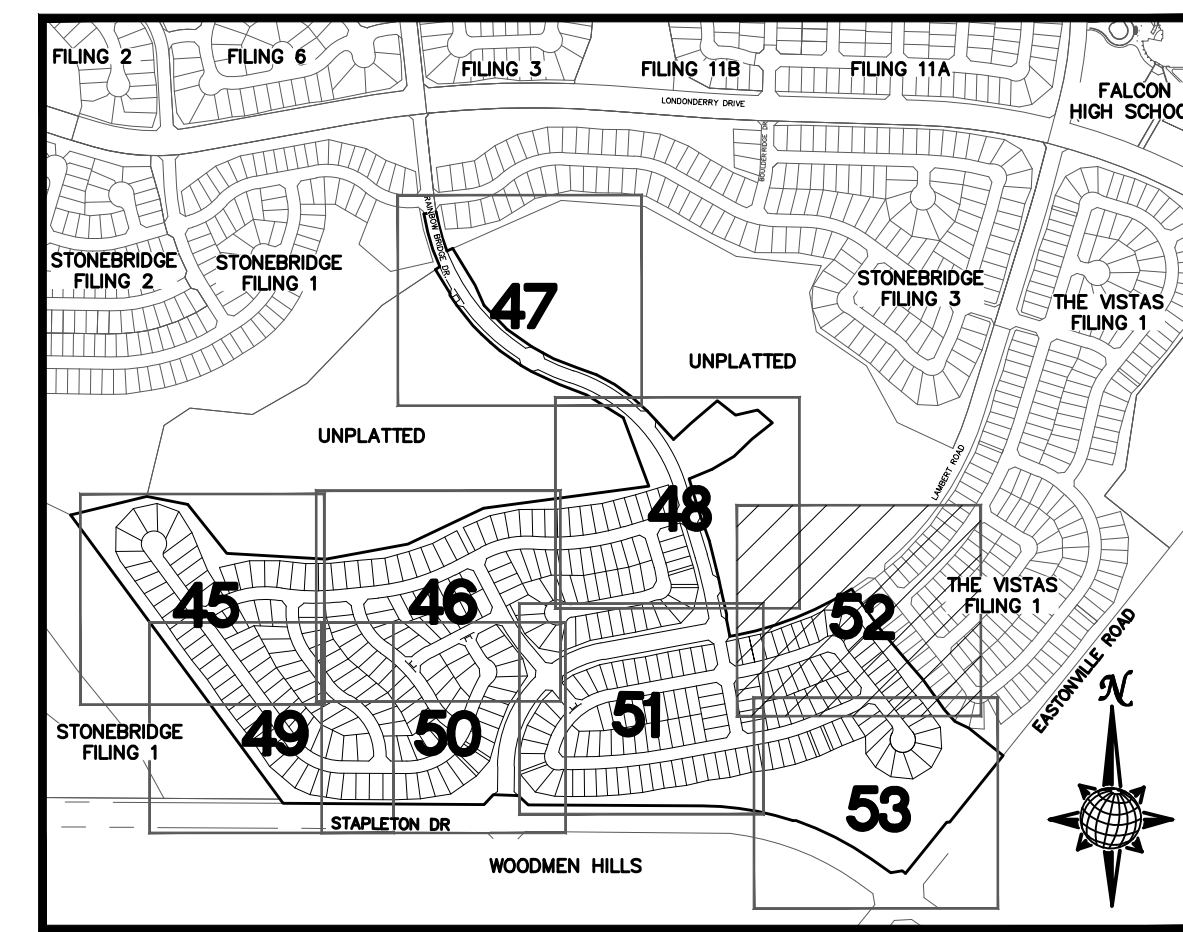
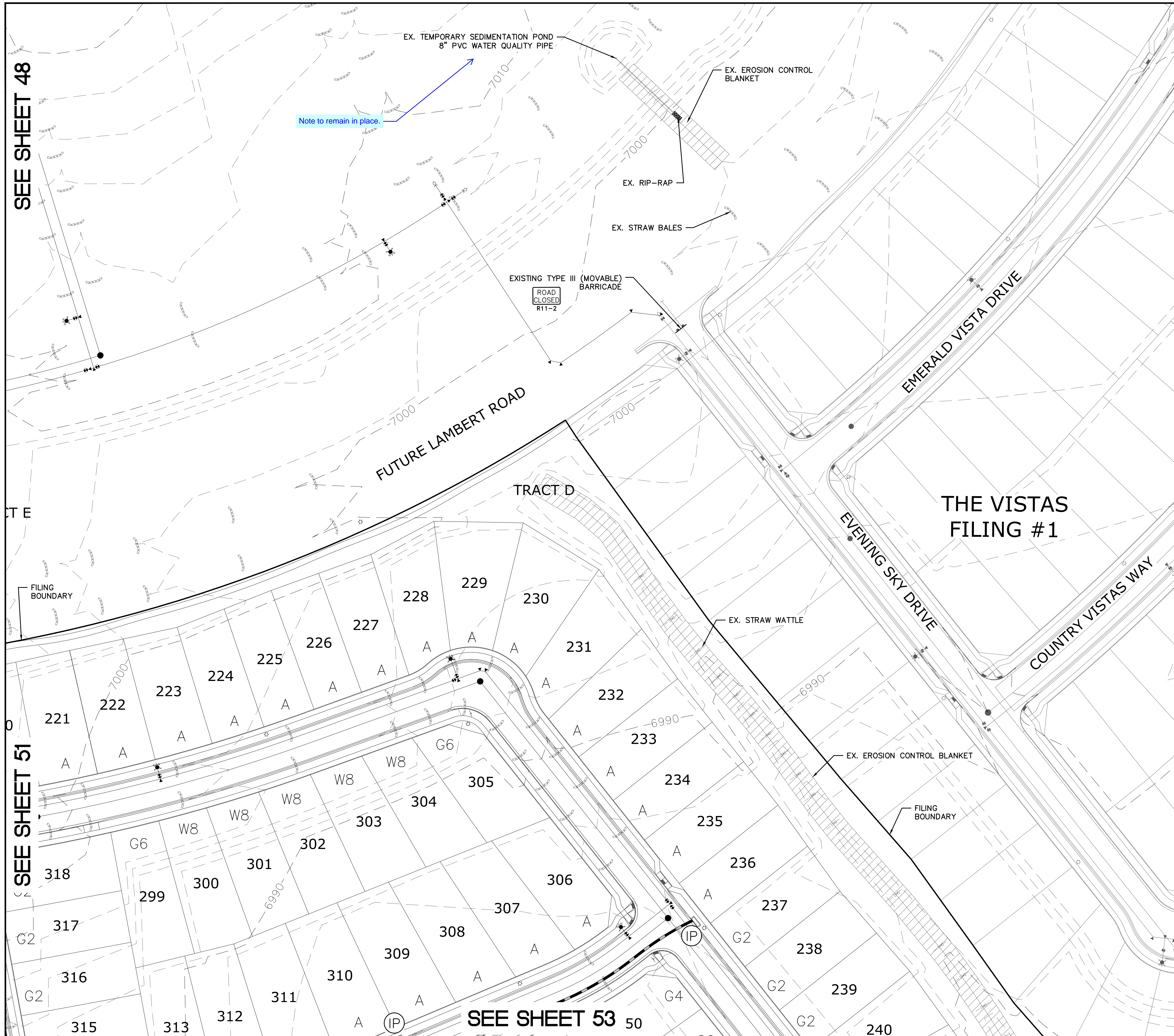
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TWO WORKING DAYS
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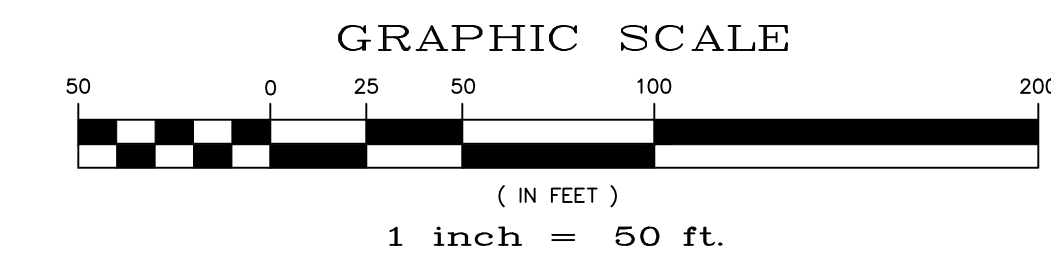
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		MERIDIAN RANCH		WINDINGWALK FL AT MERIDIAN RANCH		GRADING/EROSION CONTROL PLAN		PLAN SHEET	
Drawn by	LOG	Checked by	TAK	Date	JUN 2018	Scale	AS SHOWN	51	of 55
Revisions	No.	Date	Appr.	Date					



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N.T.S.

LEGEND

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

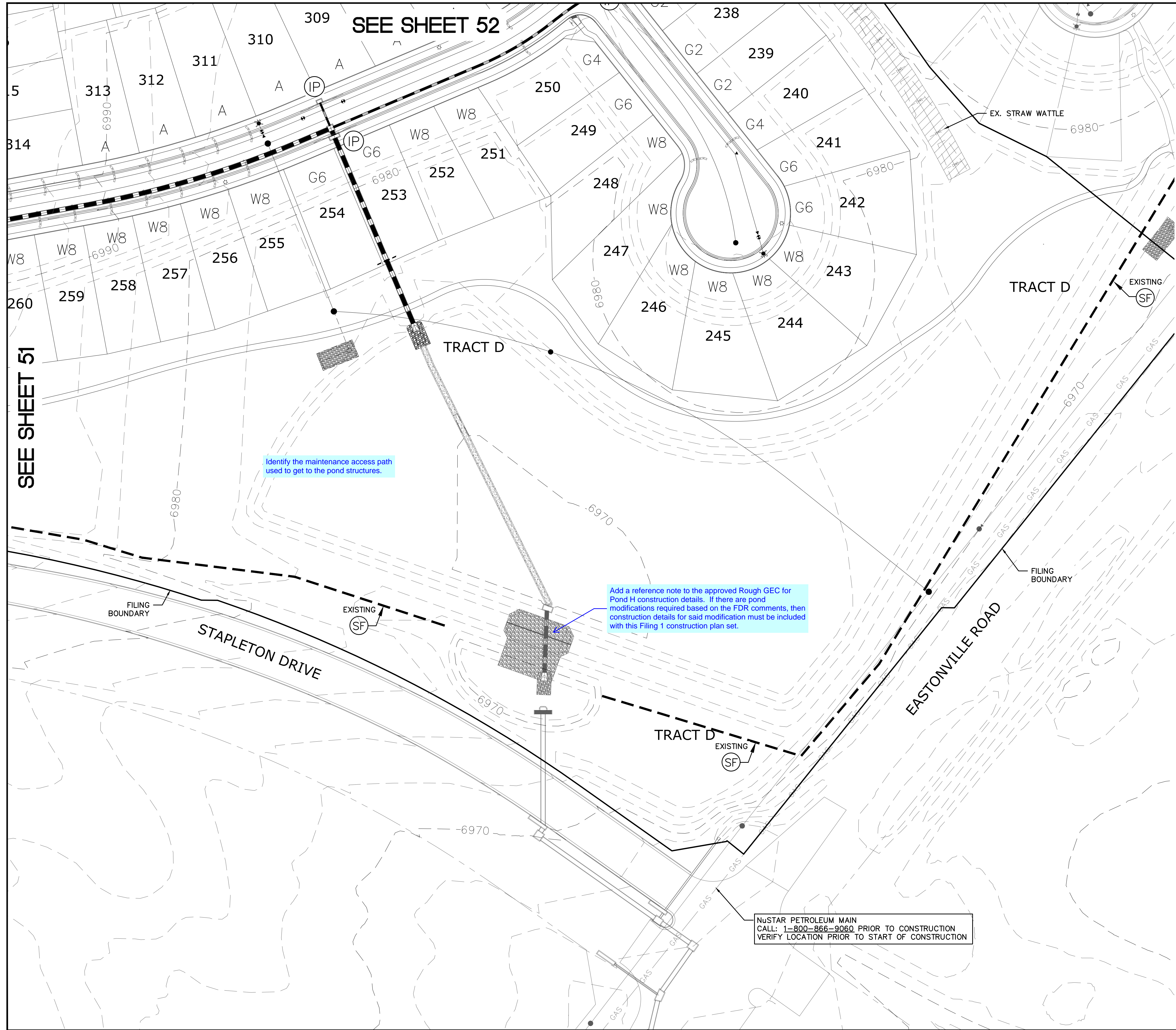


NOTE:
ALL CONTOURS SHOWN WITHIN THE PLAN SET ARE TO FINISHED SURFACE. ALL STREET SECTIONS ARE TO BE GRADED TO ROUGH SUB-GRADE AS SHOWN IN THEIR RESPECTIVE TYPICAL STREET SECTION SHOWN ON SHEET 54.

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

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

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



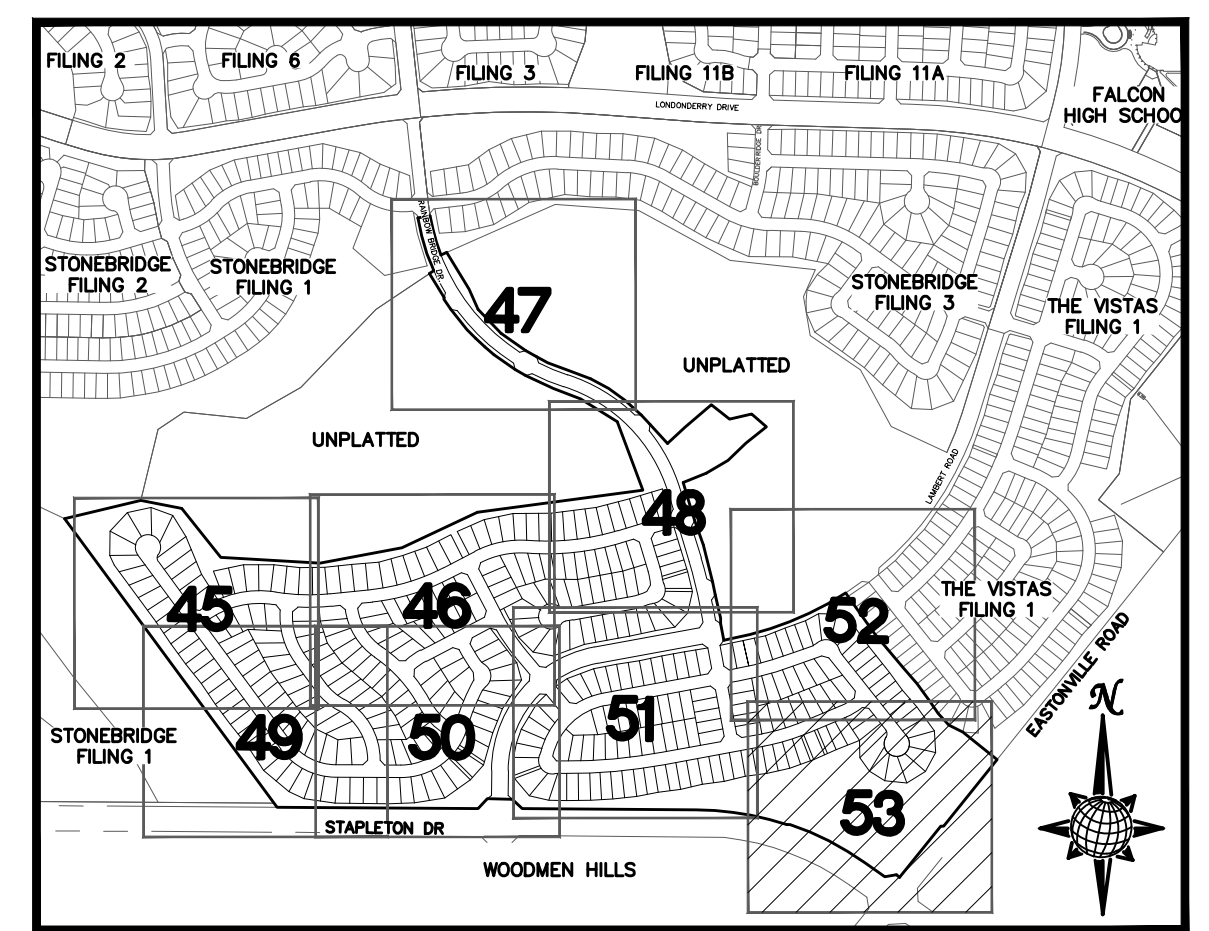
SEE SHEET 51

SEE SHEET 52

Identify the maintenance access path used to get to the pond structures.

Add a reference note to the approved Rough GEC for Pond H construction details. If there are pond modifications required based on the FDR comments, then construction details for said modification must be included with this Filing 1 construction plan set.

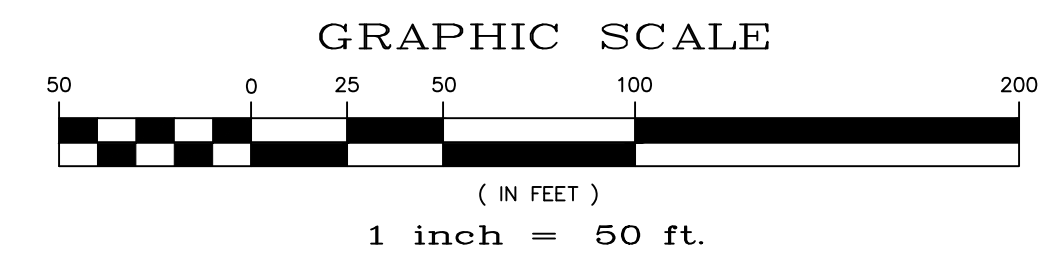
NUSTAR PETROLEUM MAIN
CALL: 1-800-866-9060 PRIOR TO CONSTRUCTION
VERIFY LOCATION PRIOR TO START OF CONSTRUCTION



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
	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

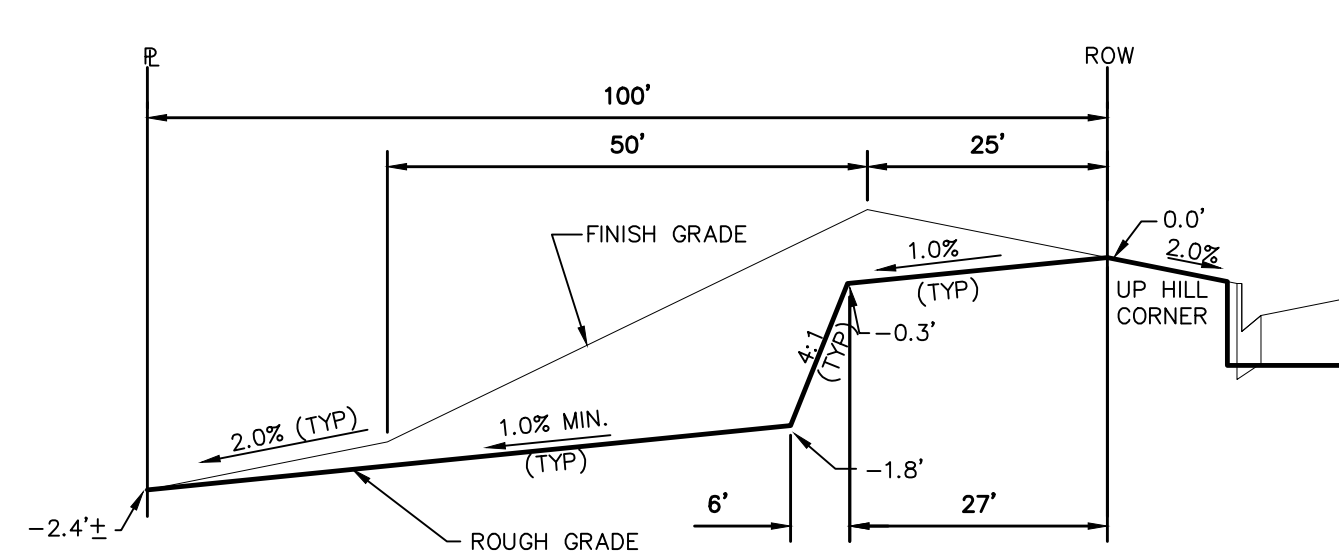


NOTE:
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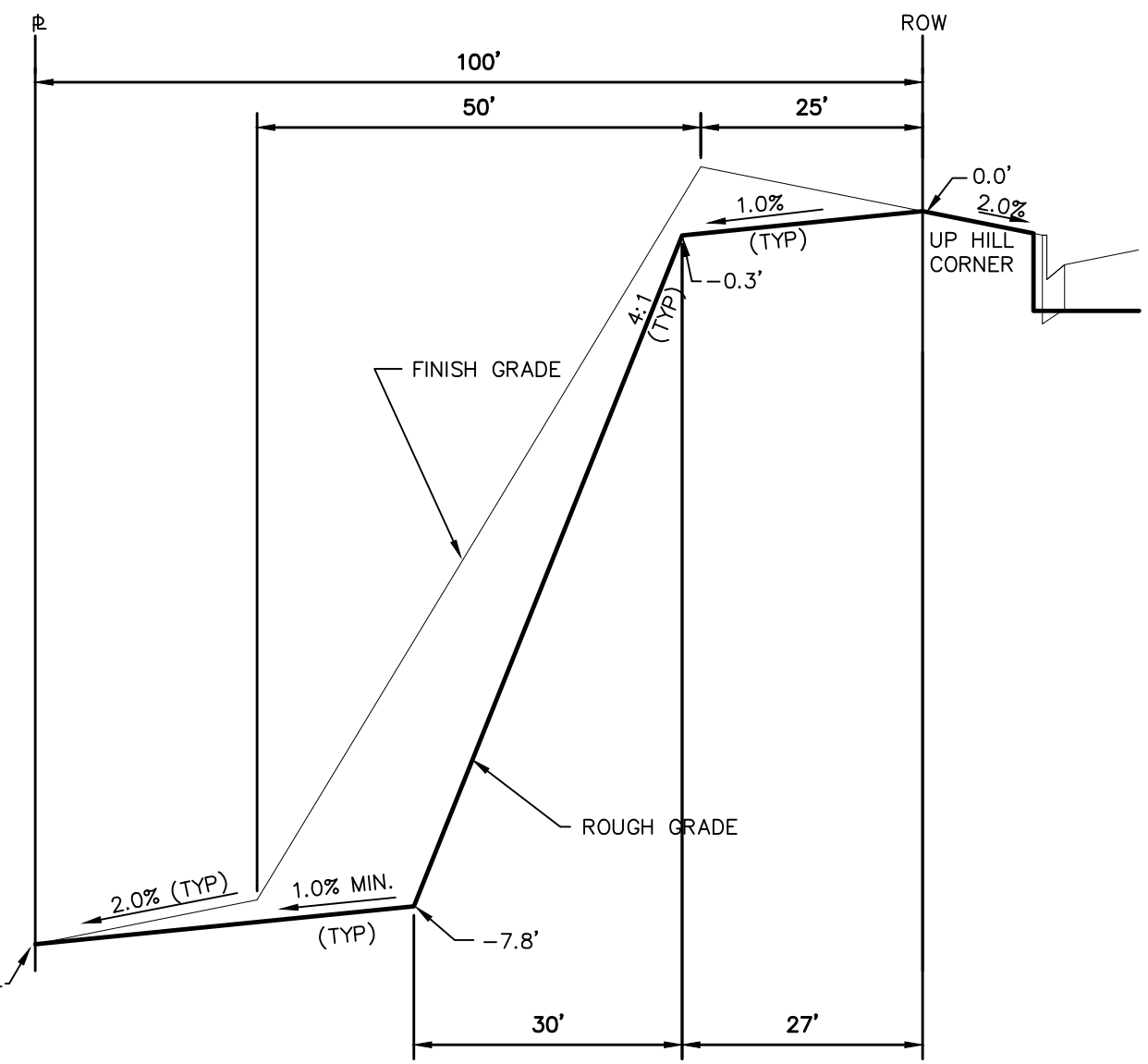
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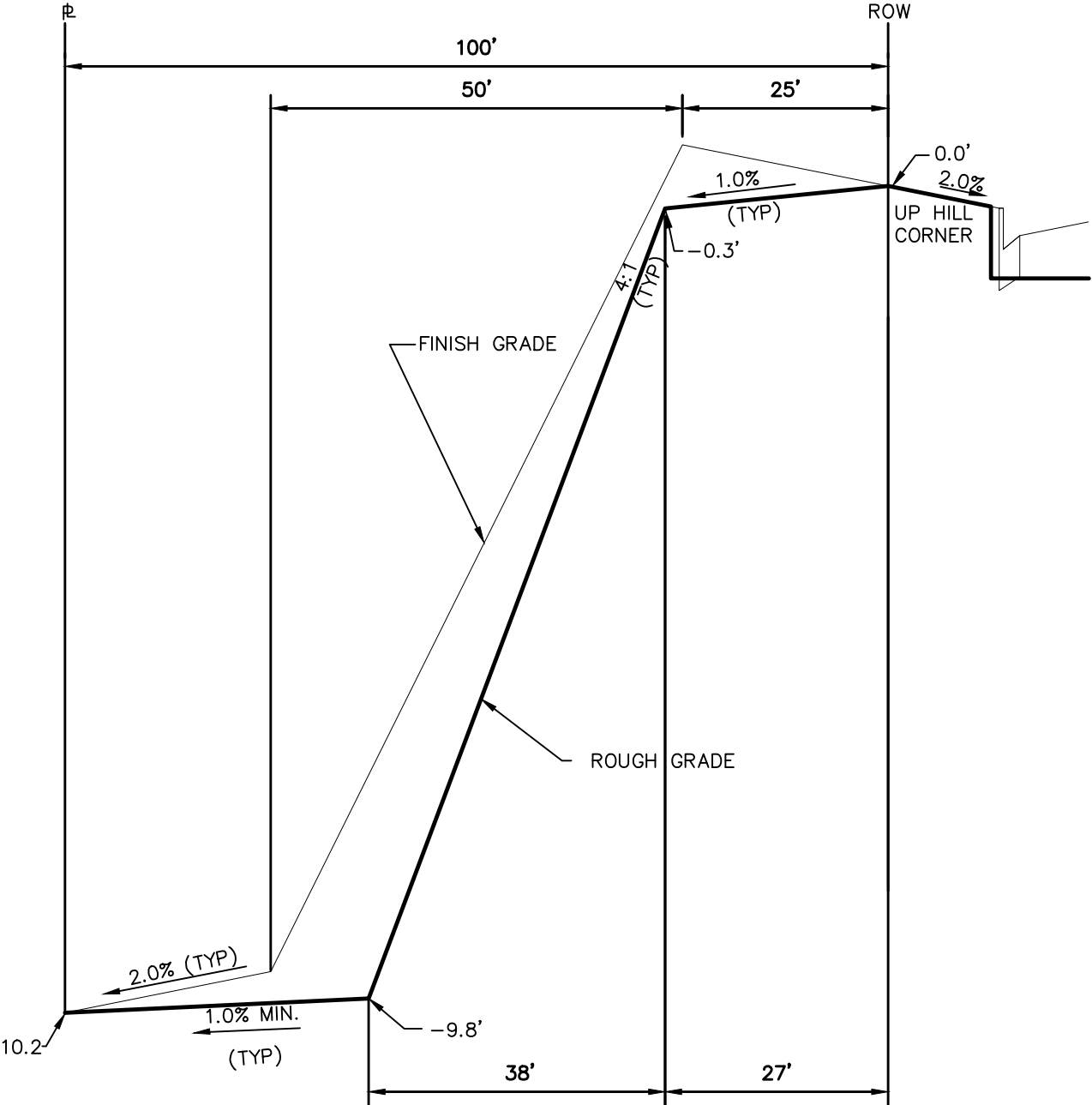
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		WINDINGWALK FL AT MERIDIAN RANCH	
MERIDIAN RANCH		GRADING+EROSION CONTROL PLAN	
Drawn by LOG	Checked by TKK	Date JUN 2018	PLAN SHEET
Scale AS SHOWN	53 of 55		
No.	Revisions	Date	Appr.



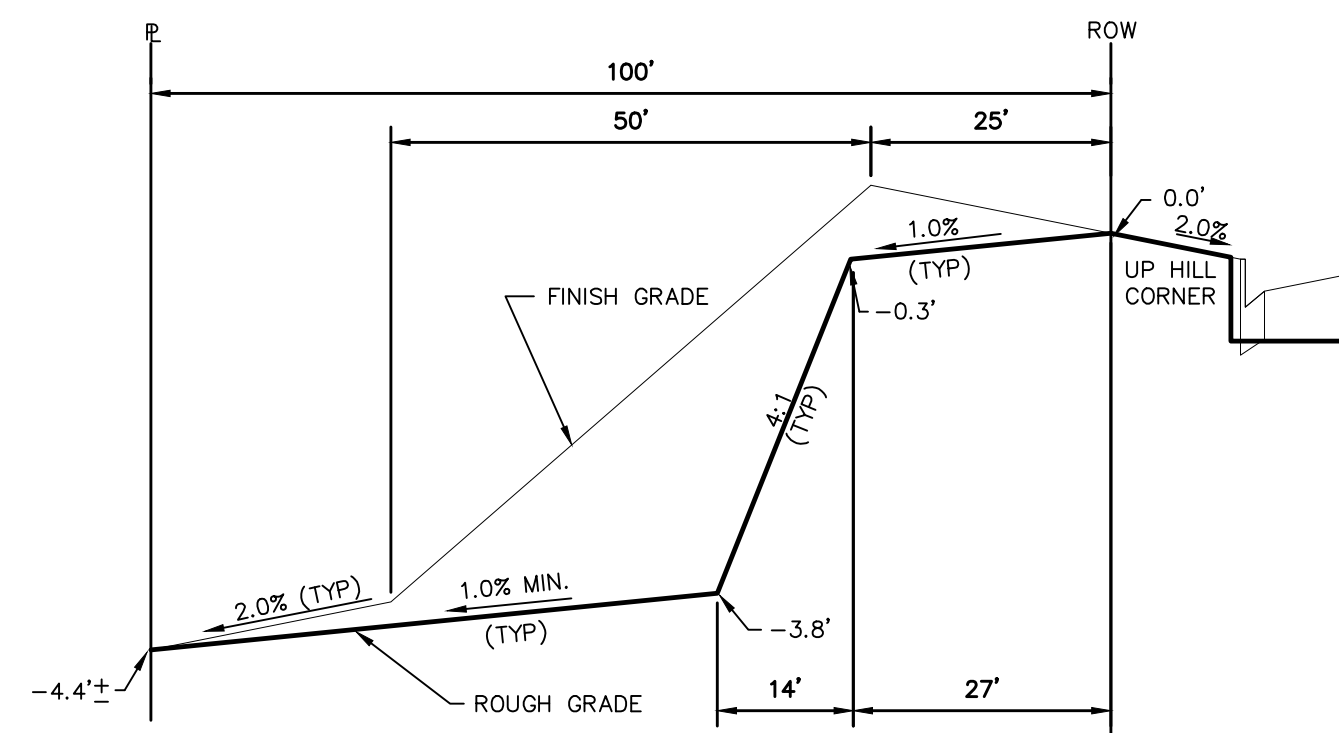
TYPICAL LOT "G2" TEMPLATES



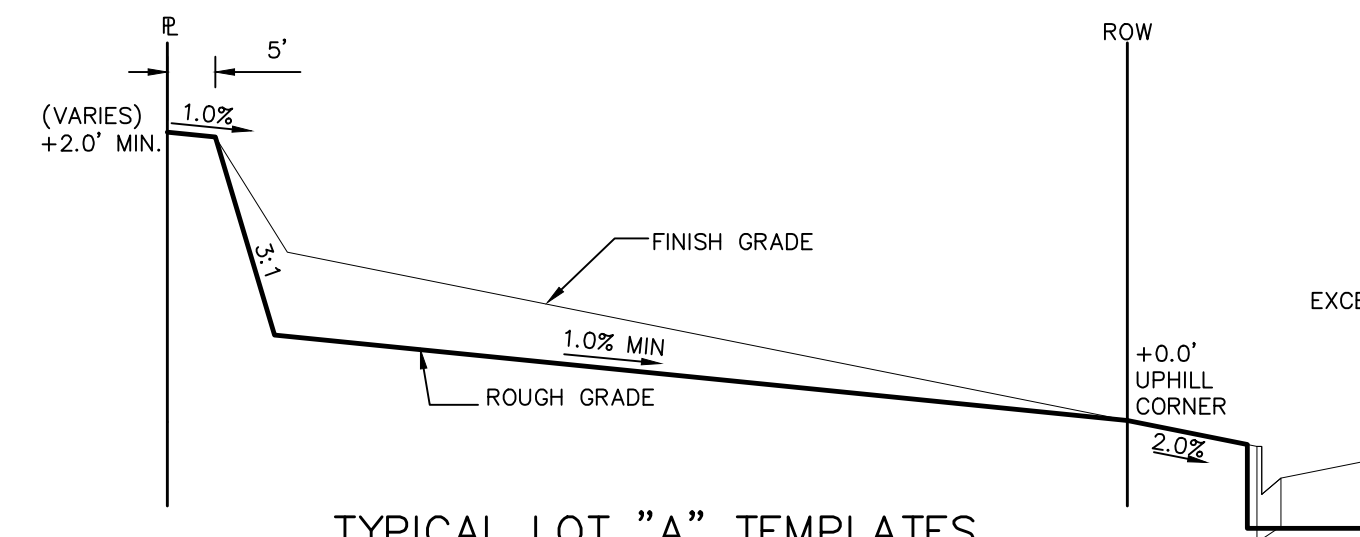
TYPICAL LOT "W8" TEMPLATES



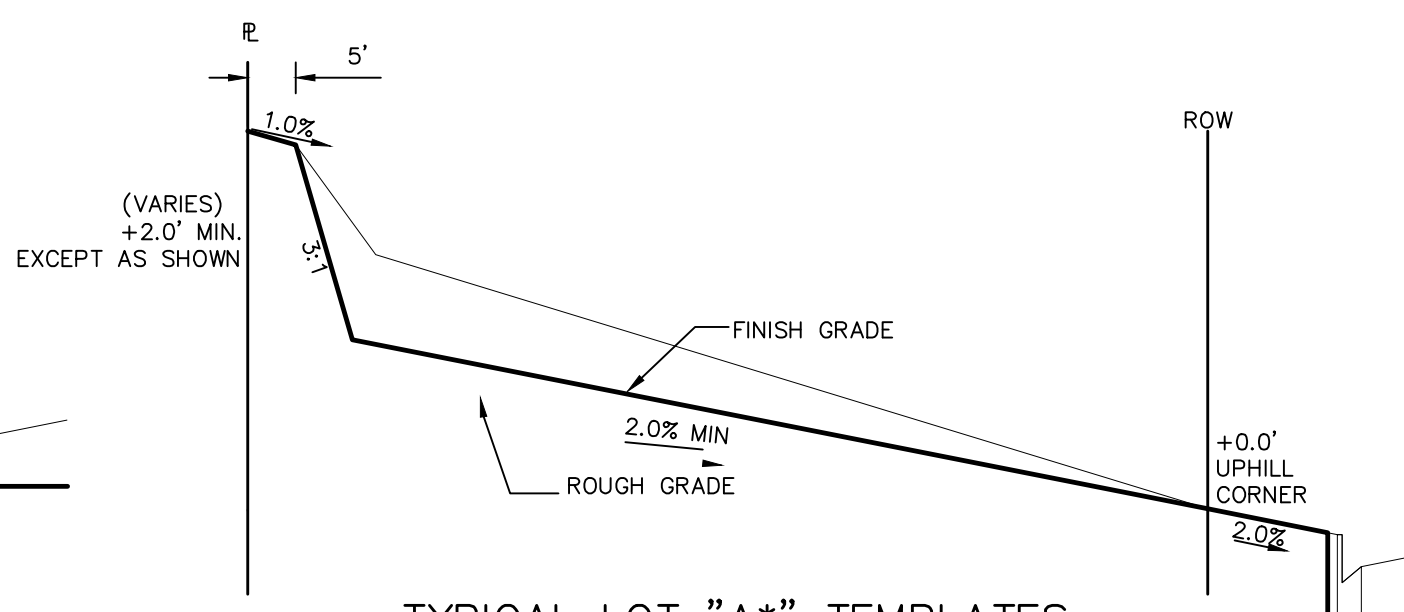
TYPICAL LOT "W10" TEMPLATES



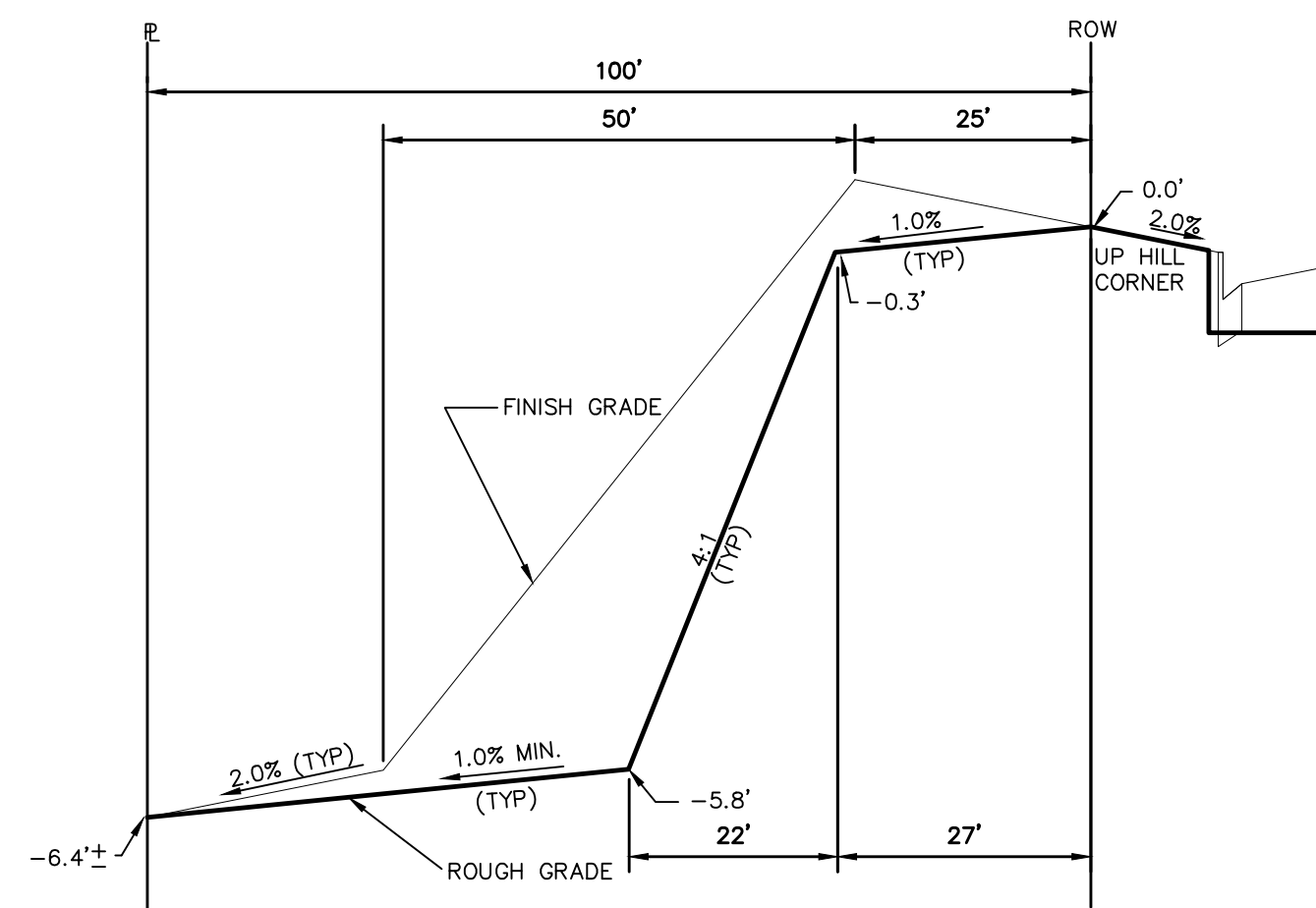
TYPICAL LOT "G4" TEMPLATES



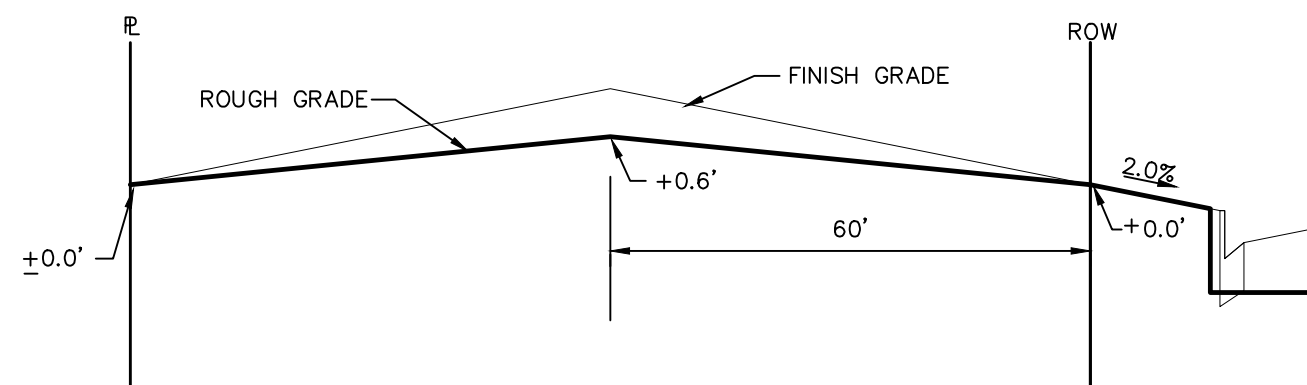
TYPICAL LOT "A" TEMPLATES



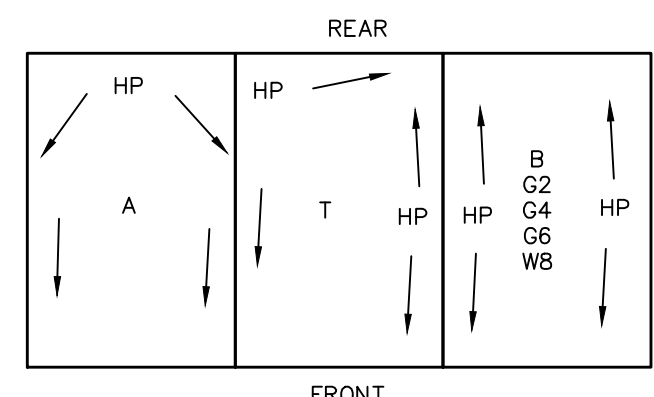
TYPICAL LOT "A*" TEMPLATES



TYPICAL LOT "G6" TEMPLATES



TYPICAL LOT "B" TEMPLATES



TYPICAL DRAINAGE PATTERN

STEPS FOR CONSTRUCTION

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

- * INSTALL INITIAL BMP'S
- * CONSTRUCTION OF DITCHES AND EROSION CONTROL STRUCTURES
- * ROUGH GRADING OF LOTS AND ROADS
- * SANITARY SEWER
- * WATER
- * STORM SEWER AND CULVERTS
- * ELECTRIC
- * GAS
- * PHONE & CABLE TV
- * FINISHED ROAD GRADING AND PAVING

EROSION AND SEDIMENT CONTROLS

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

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

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

MATERIAL HANDLING AND SPILL PREVENTION

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

FINAL STABILIZATION AND LONG TERM STORMWATER MANAGEMENT

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

OTHER CONTROLS

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

INSPECTION AND MAINTENANCE

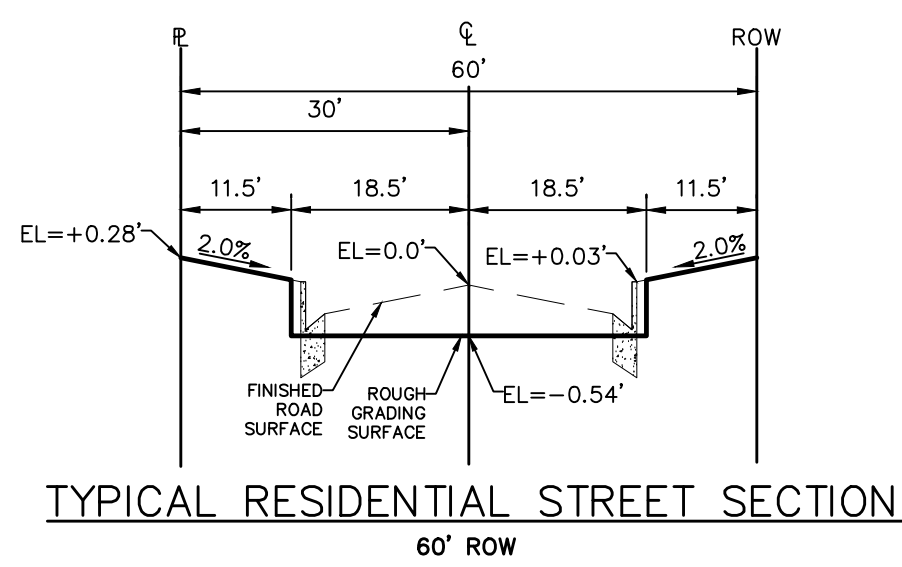
- A THOROUGH INSPECTION OF THE STORMWATER MANAGEMENT SYSTEM SHALL BE PERFORMED EVERY 14 DAYS AS WELL AS AFTER ANY RAIN OR SNOWMELT EVENT THAT CAUSES SURFACE EROSION:
- * EROSION OF V-NOTCH SWALES, CHANNELS AND SIDE SLOPES SHALL BE REPAIRED.
 - * WHEN THE CHECK DAMS HAVE SILTED UP TO HALF THEIR HEIGHT,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

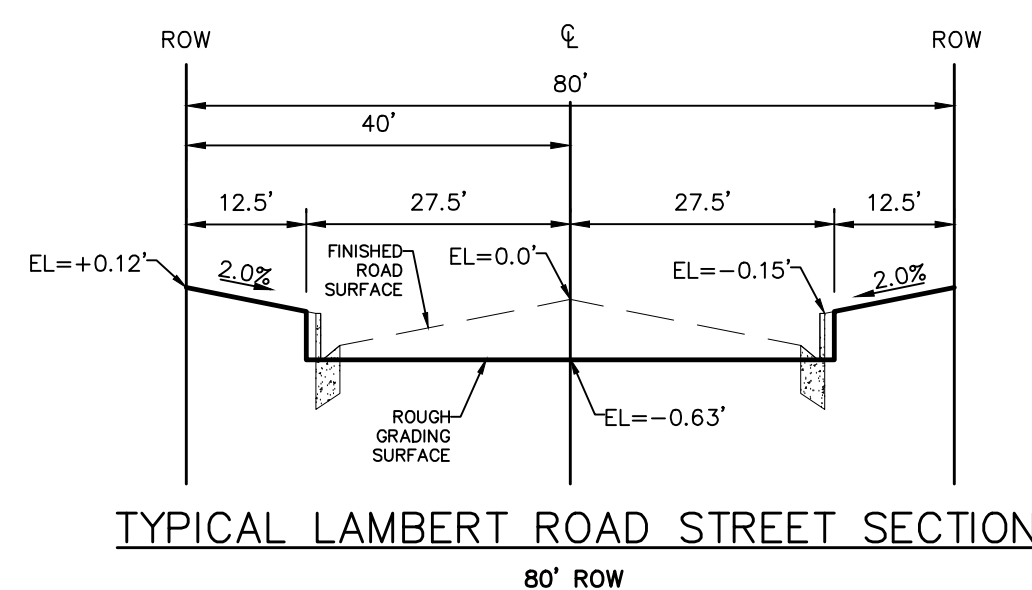
ALL DISTURBED AREAS SHALL BE REQUIRE SEEDING WITHIN TWO (2) WEEKS FOLLOWING THE ESTABLISHMENT OF FINAL GRADE. AREAS TO RECEIVE PAVEMENT DURING THE CONSTRUCTION OF THE ROAD SYSTEM SHALL NOT RECEIVE ANY SEEDING. SEEDING SHOULD BE ACCOMPLISHED USING AN APPROPRIATE GRASS DRILL, BY BROADCASTING OR BY HYDROMULCHING.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

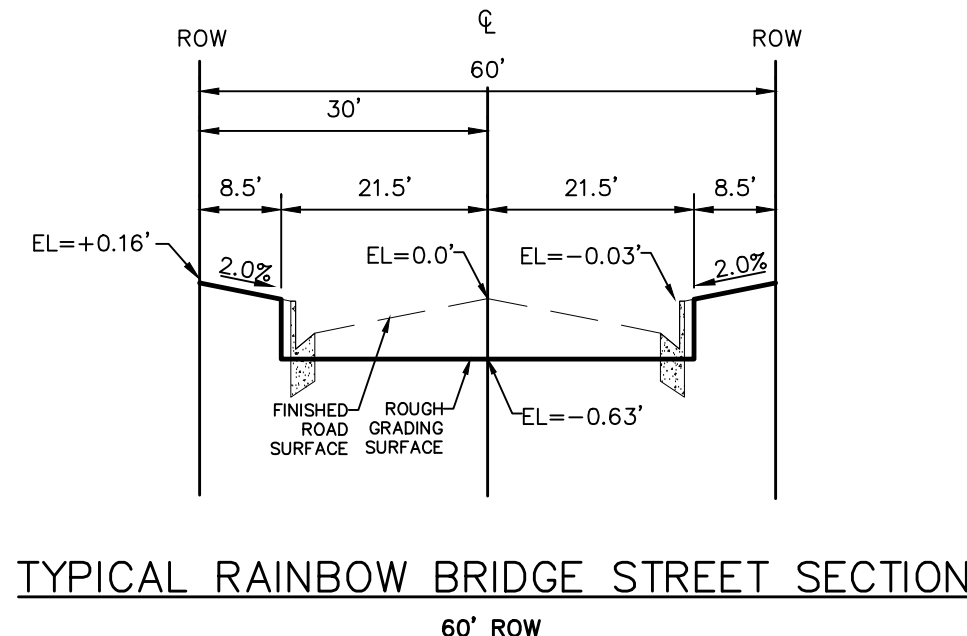
GRASS	VARIETY	AMOUNT IN PLS LBS. PER ACRE
SIDEOTS GRAMA	EL RENO	3.0
WESTERN WHEATGRASS	BARTON	2.5
SLENDER WHEATGRASS	NATIVE	2.0
LITTLE BLUESTERN	PASTURA	2.0
SAND DROPSSEED	NATIVE	0.5
SWITCH GRASS	NEBRASKA	3.0
WEEPING LOVE GRASS	MORPHA	1.0



TYPICAL RESIDENTIAL STREET SECTION



TYPICAL LAMBERT ROAD STREET SECTION



TYPICAL RAINBOW BRIDGE STREET SECTION

Date	Appr.	Date	Revisions

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



WINDINGWALK FLAT MERIDIAN RANCH
GRADING+EROSION CONTROL PLAN
DETAIL SHEET

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

Scale AS SHOWN
54 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)

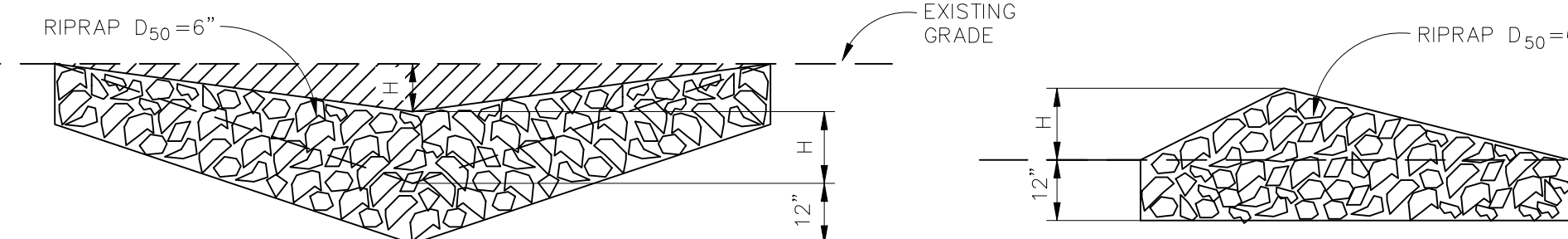
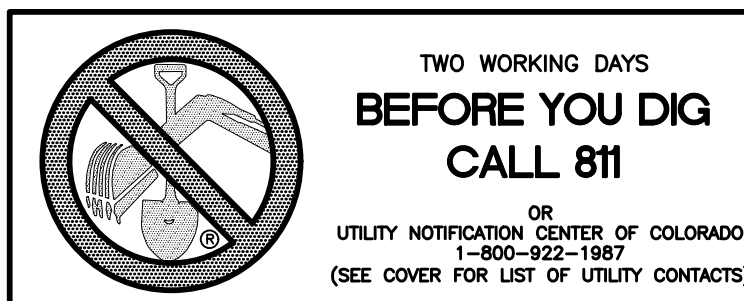
STRAW BALE BARRIER NOTES

INSTALLATION REQUIREMENTS

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

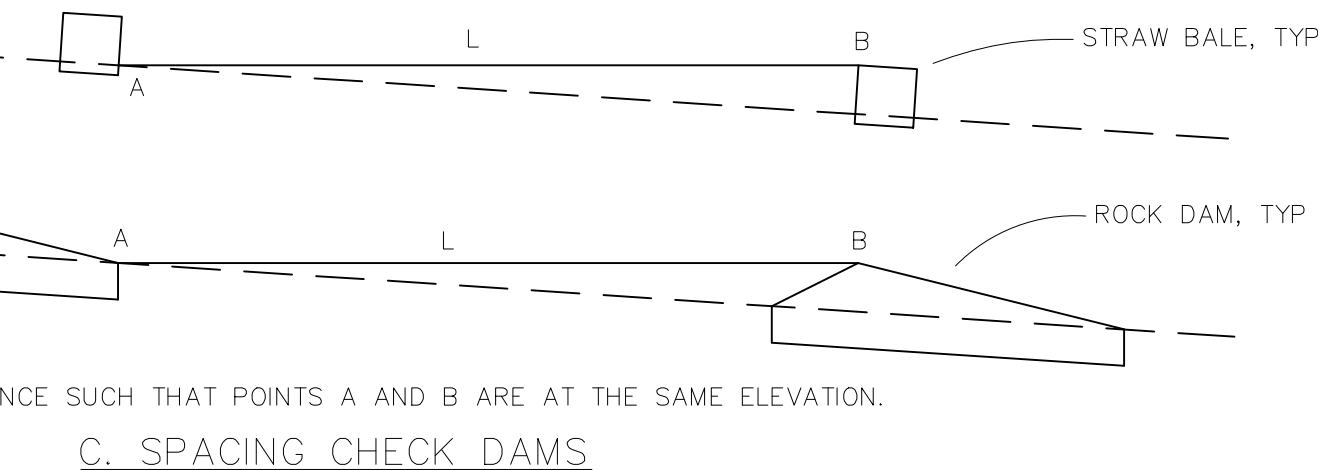
MAINTENANCE REQUIREMENTS

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



A. ROCK DAM

B. STRAW BALE CHECK DAM
(SEE STRAW BALE BARRIER INSTALLATION)



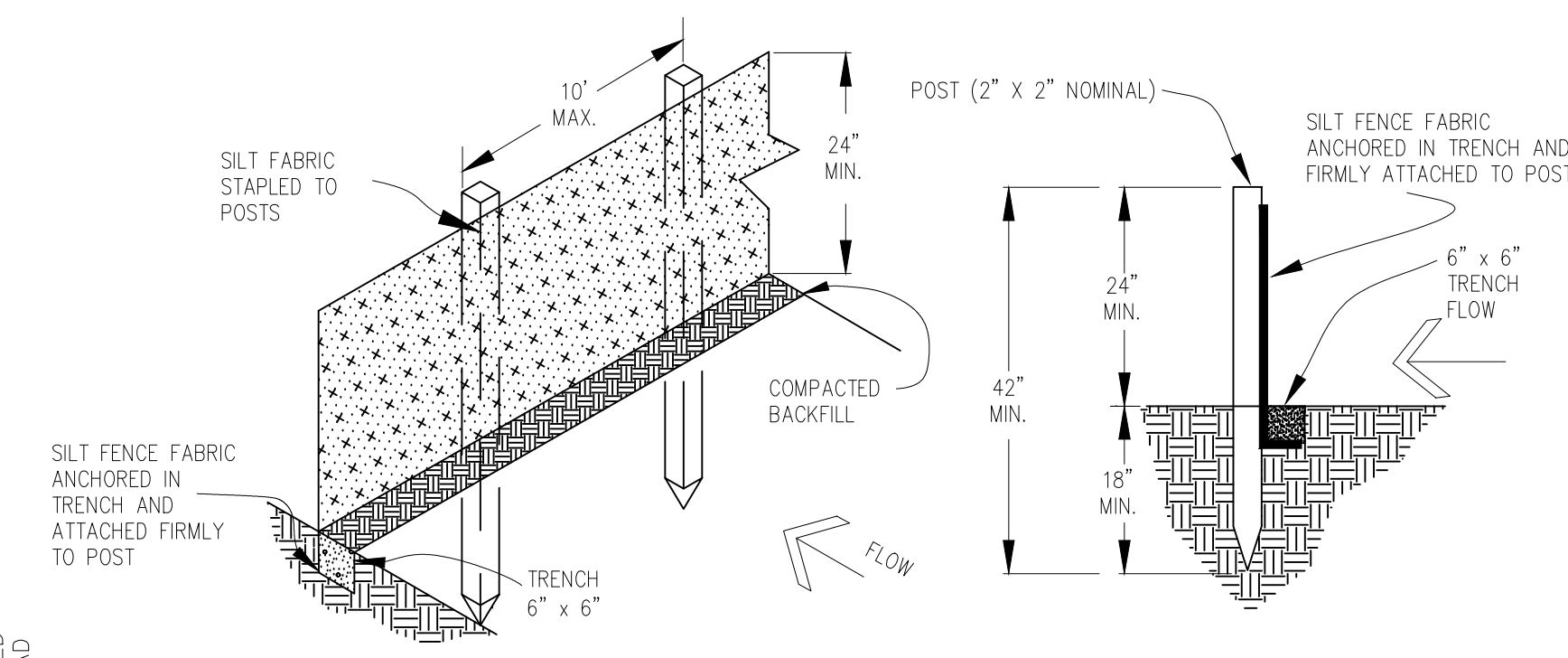
C. SPACING CHECK DAMS
CHECK DAM
NTS
CHECK DAM NOTES

INSTALLATION REQUIREMENTS

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

MAINTENANCE REQUIREMENTS

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

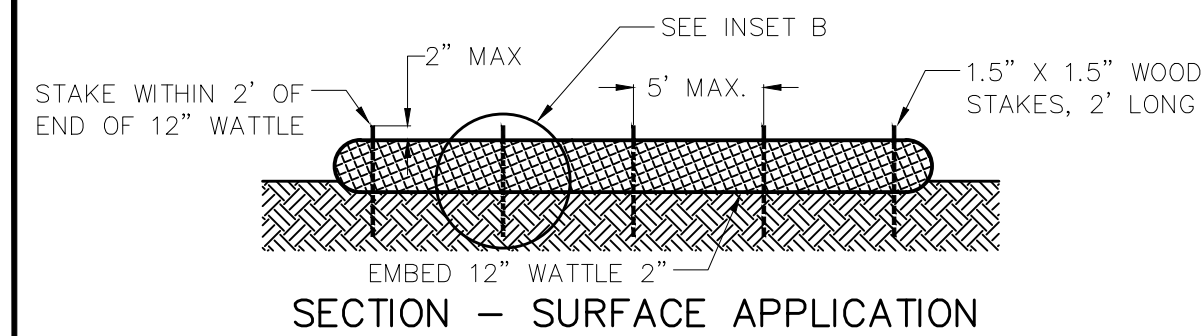


SILT FENCE
NTS
SILT FENCE NOTES

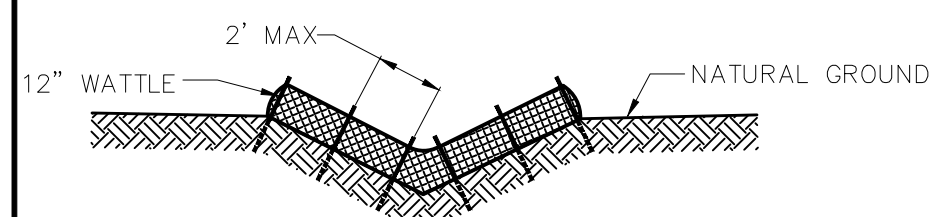
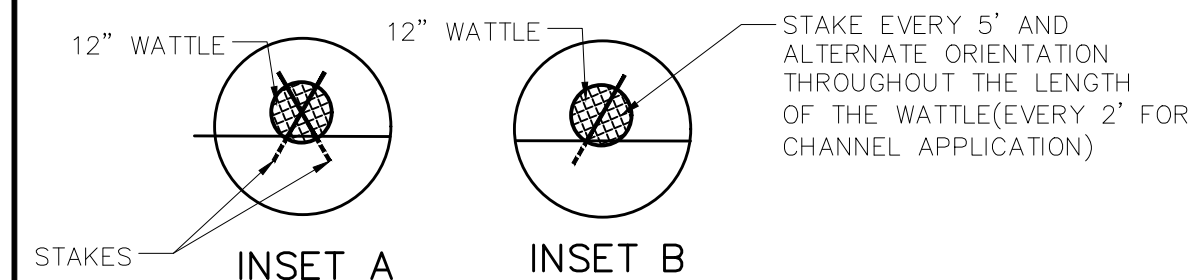
INSTALLATION REQUIREMENTS

- SILT FENCES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- WHEN JOINTS ARE NECESSARY, SILT FENCE GEOTEXTILE SHALL BE SPLICED TOGETHER ONLY AT SUPPORT POST AND SECURELY SEALED.
- METAL POSTS SHALL BE "STUDDED TEE" OR "U" TYPE WITH MINIMUM WEIGHT OF 1.33 POUNDS PER LINEAR FOOT. WOOD POSTS SHALL HAVE A MINIMUM DIAMETER OR CROSS SECTION DIMENSION OF 2 INCHES.
- THE FILTER MATERIAL SHALL BE FASTENED SECURELY TO METAL OR WOOD POSTS USING WIRE TIES, OR TO WOOD POSTS WITH 3/4" LONG #9 HEAVY-DUTY STAPLES. THE SILT FENCE GEOTEXTILE SHALL NOT BE STAPLED TO EXISTING TREES.
- WHILE NOT REQUIRED, WIRE MESH FENCE MAY BE USED TO SUPPORT THE GEOTEXTILE. WIRE FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 3/4" LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 6" AND SHALL NOT EXTEND MORE THAN 3" ABOVE THE ORIGINAL GROUND SURFACE.

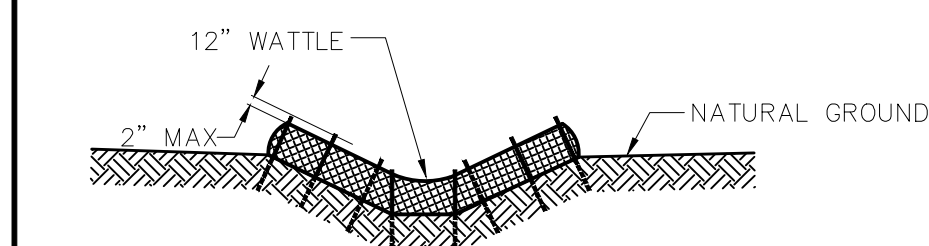
- ALONG THE TOE OF FILLS, INSTALL THE SILT FENCE ALONG A LEVEL CONTOUR AND PROVIDE AN AREA BEHIND THE FENCE FOR RUNOFF TO POND AND SEDIMENT TO SETTLE. A MINIMUM DISTANCE OF 5 FEET FROM THE TOE OF THE FILL IS RECOMMENDED.
- THE HEIGHT OF THE SILT FENCE FROM THE GROUND SURFACE SHALL BE MINIMUM OF 24 INCHES AND SHALL NOT EXCEED 36 INCHES; HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.
- SEDIMENT SHALL BE REMOVED FROM BEHIND SILT FENCE WHEN IT ACCUMULATES TO HALF THE EXPOSED GEOTEXTILE HEIGHT.
- SILT FENCES SHALL BE REMOVED WHEN ADEQUATE VEGETATIVE COVER IS ATTAINED AS APPROVED BY THE CITY.



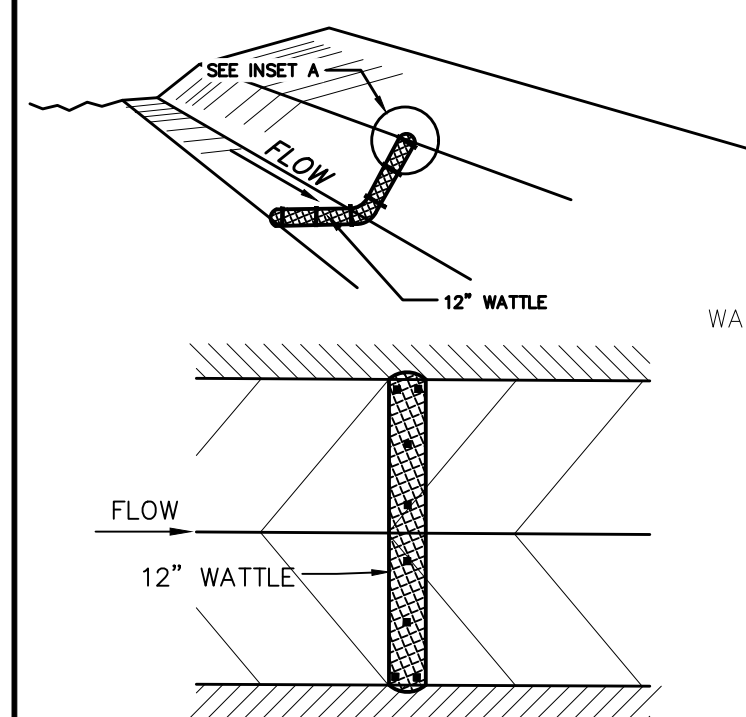
SECTION - SURFACE APPLICATION



SECTION - V-NOTCH CHANNEL



SECTION - TRAPAZOIDAL CHANNEL



PLAN VIEW

NOTES:

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

CONCRETE BLOCK AND GRAVEL BAG* CURB INLET PROTECTION

BLOCK AND GRAVEL BAG* CURB INLET PROTECTION NOTES

INSTALLATION REQUIREMENTS

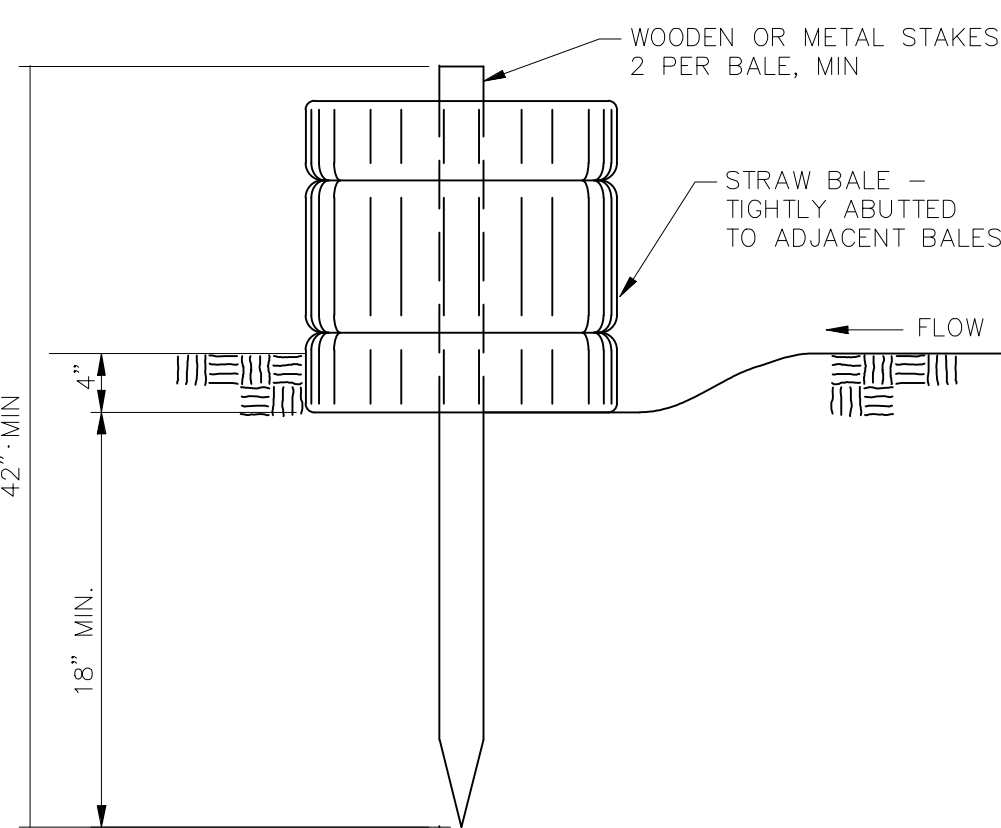
- INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY AFTER CONSTRUCTION OF INLET.
- CONCRETE BLOCKS ARE TO BE LAID AT 2' SPACING ON THEIR SIDES WITH THE OPEN ENDS OF THE BLOCK FACING EACH OTHER.
- IF MORE THAN ONE 2X4 IS REQUIRED, THEY NEED TO OVERLAP BY A MINIMUM OF 2'
- GRAVEL BAGS ARE TO BE PLACED AROUND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

MAINTENANCE REQUIREMENTS

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

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

STRAW BALE BARRIER



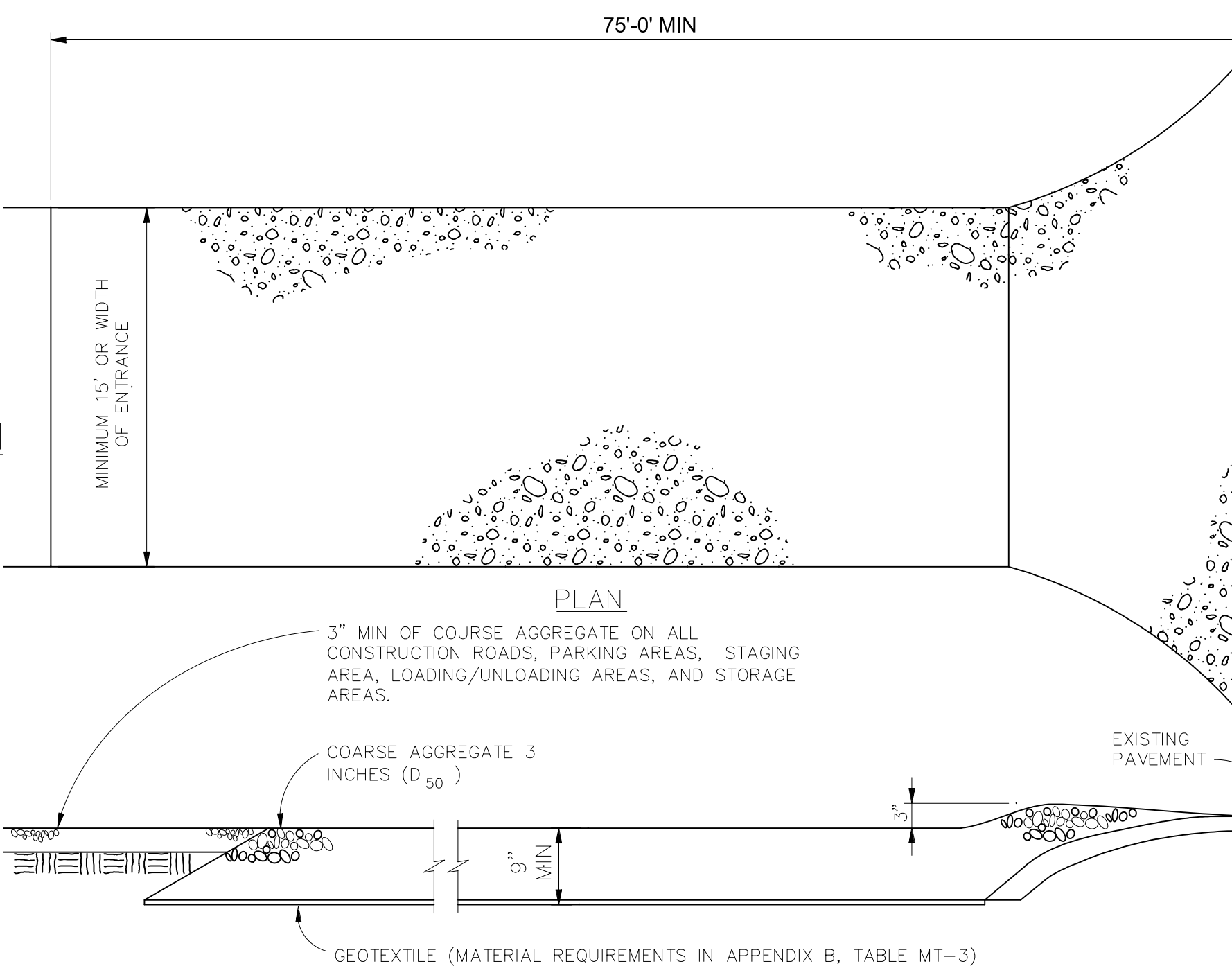
STRAW BALE BARRIER
NTS
VEHICLE TRACKING NOTES

INSTALLATION REQUIREMENTS

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

MAINTENANCE REQUIREMENTS

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



SECTION

VEHICLE TRACKING
NTS

No.	Revisions	Date	Appr.	Date

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WINDINGWALK FL AT MERIDIAN RANCH
GRADING/EROSION CONTROL PLAN
MERIDIAN RANCH

Drawn by	Log	Checked by	TAK	Date	JUN 2018
Scale	AS SHOWN	55 of	55		

DETAIL SHEET