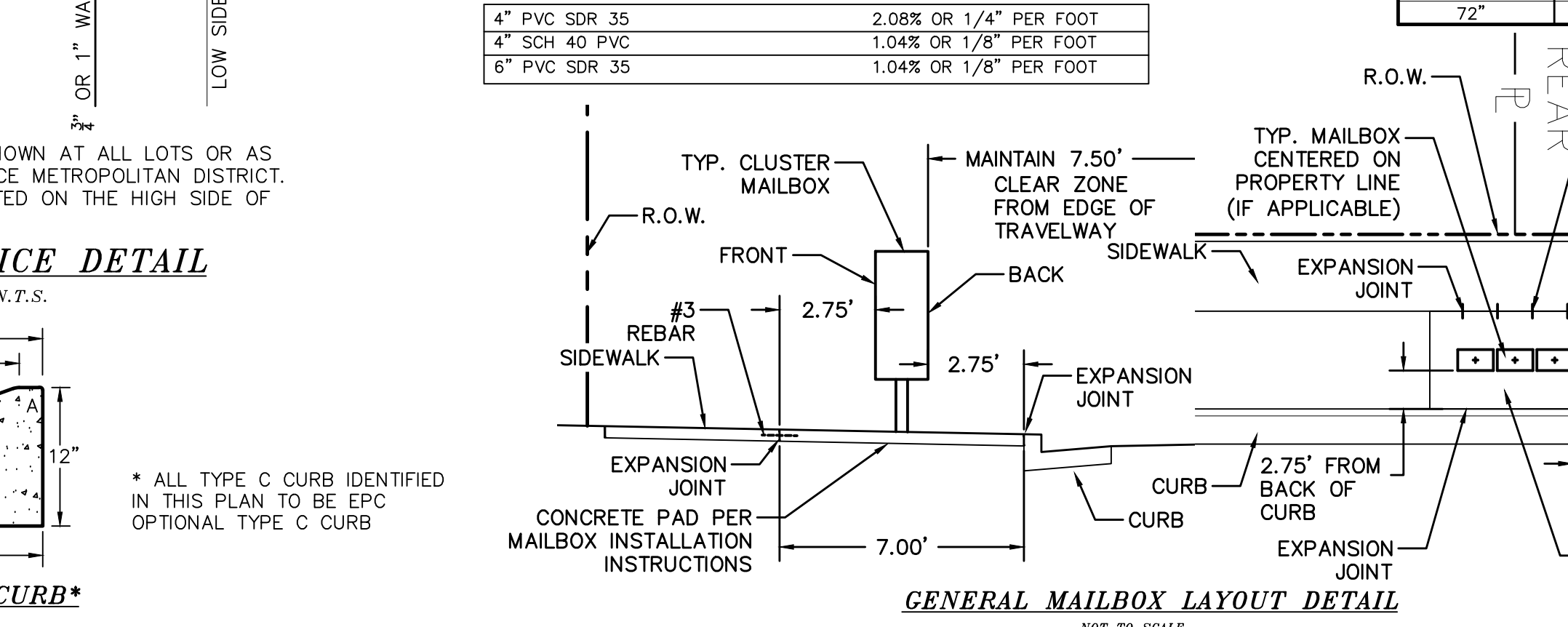
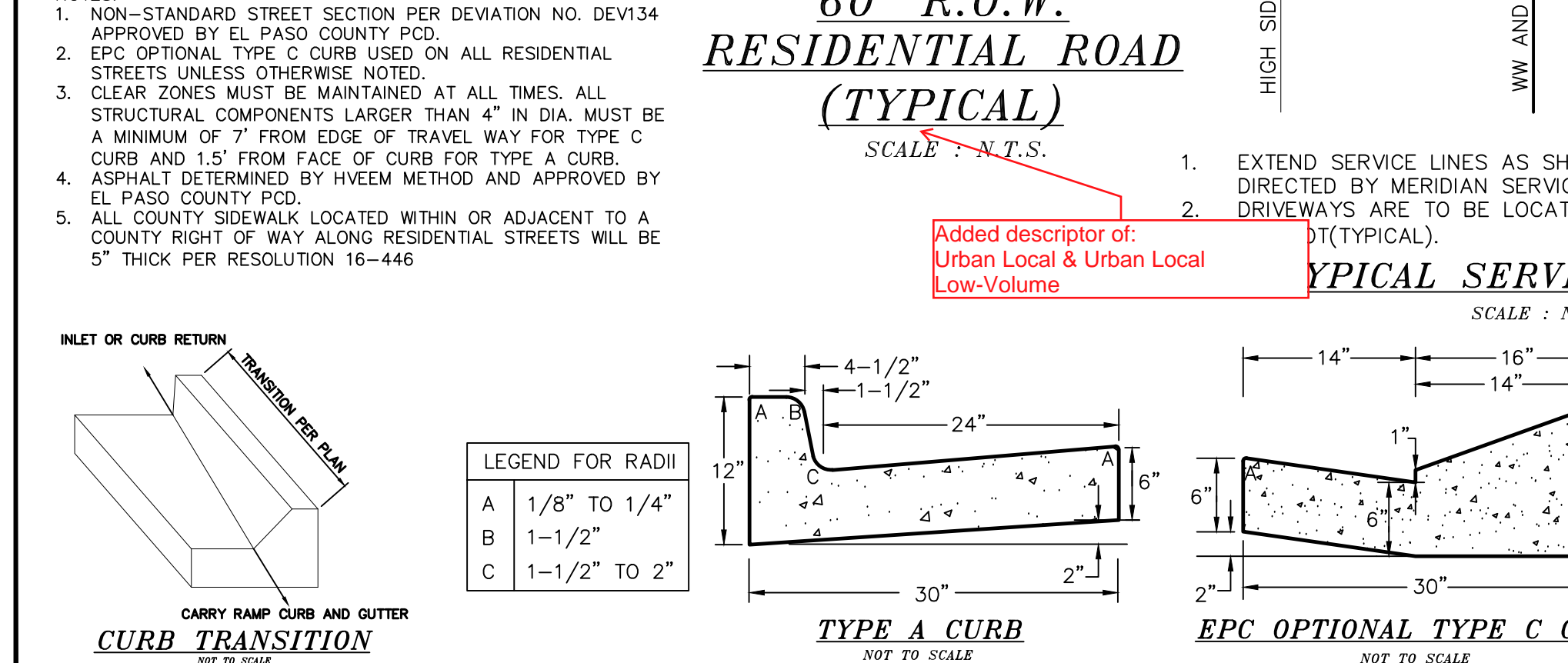


LEGEND

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')



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

MERIDIAN RANCH

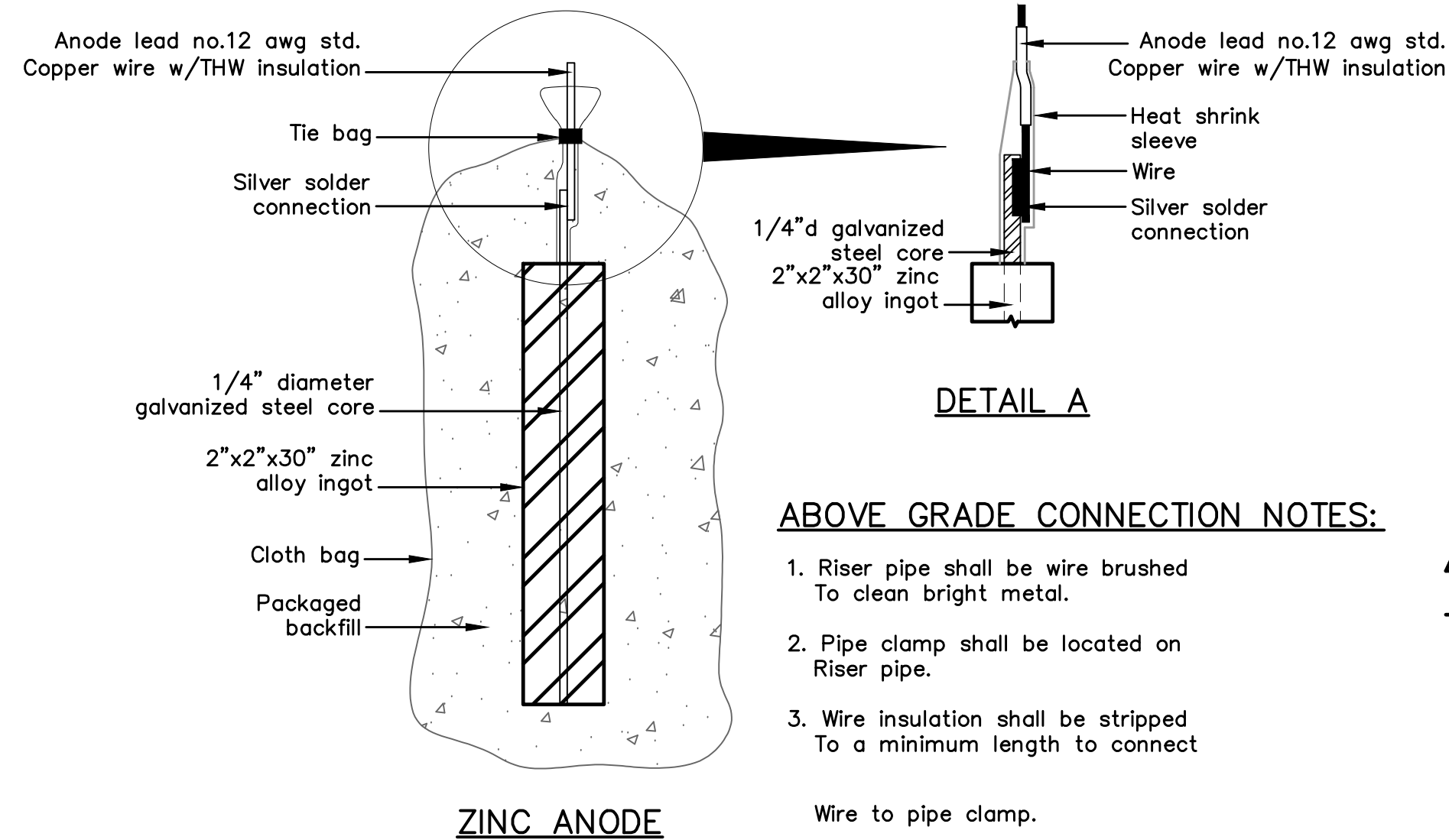
WINDINGWALK FLAT MERIDIAN RANCH
 STREET AND UTILITY PLANS
 DETAIL SHEET

Drawn by: [Blank]
 Checked by: [Blank]
 Date: MARCH 2018

Scale: AS SHOWN
 3 of 55

Revisions:
 No. [Blank]
 Date [Blank]
 Appr. [Blank]

PCD PROJECT NO. SF-18-002



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

ABOVE GRADE CONNECTION NOTES:

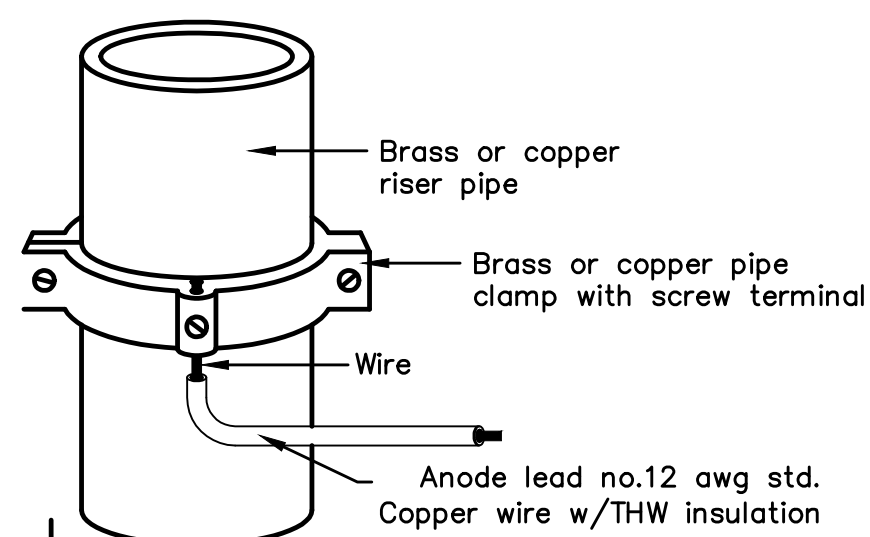
1. Riser pipe shall be wire brushed To clean bright metal.
2. Pipe clamp shall be located on Riser pipe.
3. Wire insulation shall be stripped To a minimum length to connect

Wire to pipe clamp.

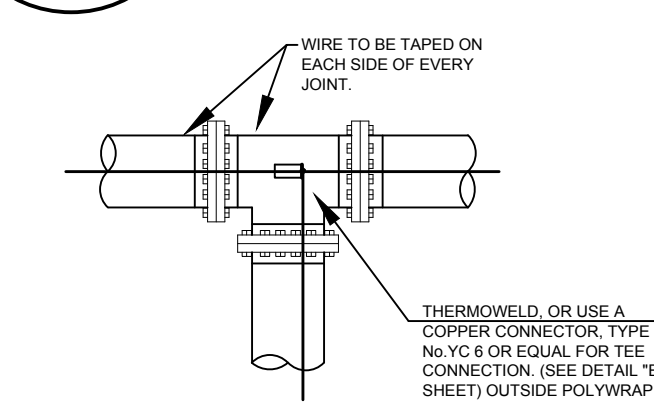
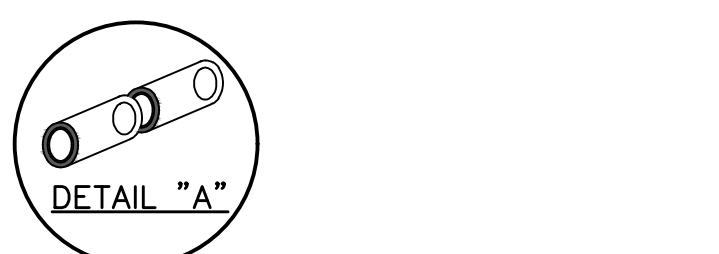
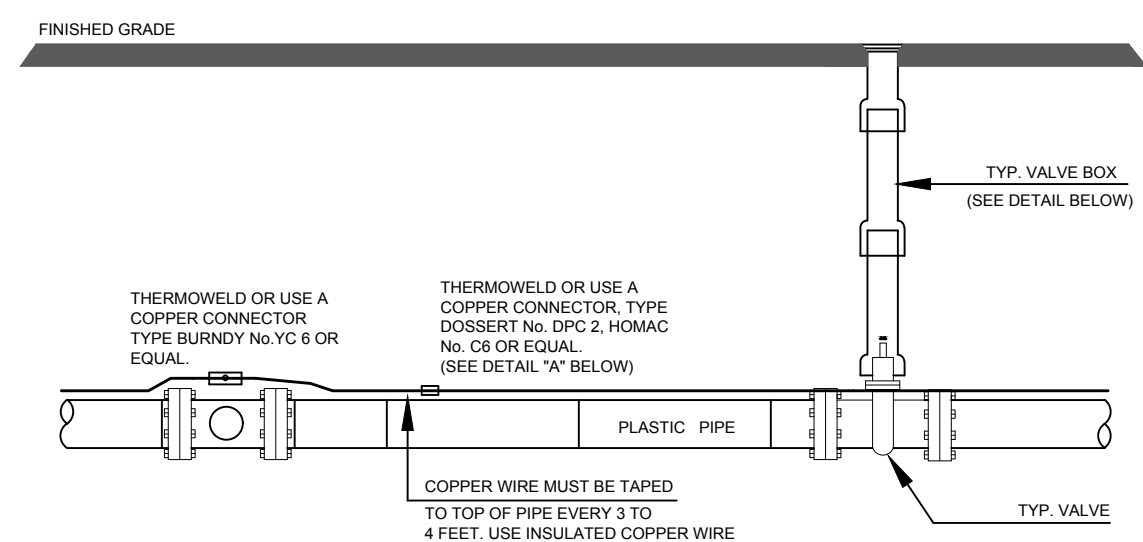
PACKAGED BACKFILL COMPOSITION:

75% gypsum
20% bentonite
5% sodium sulfate

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



ANODE LEAD ABOVE GRADE CONNECTION



Anode Design

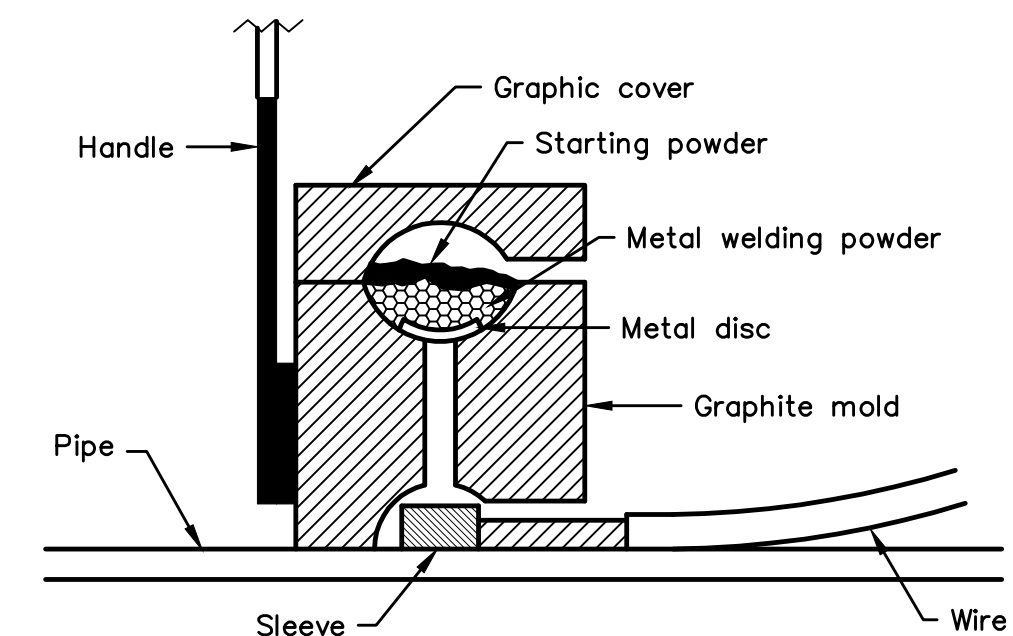
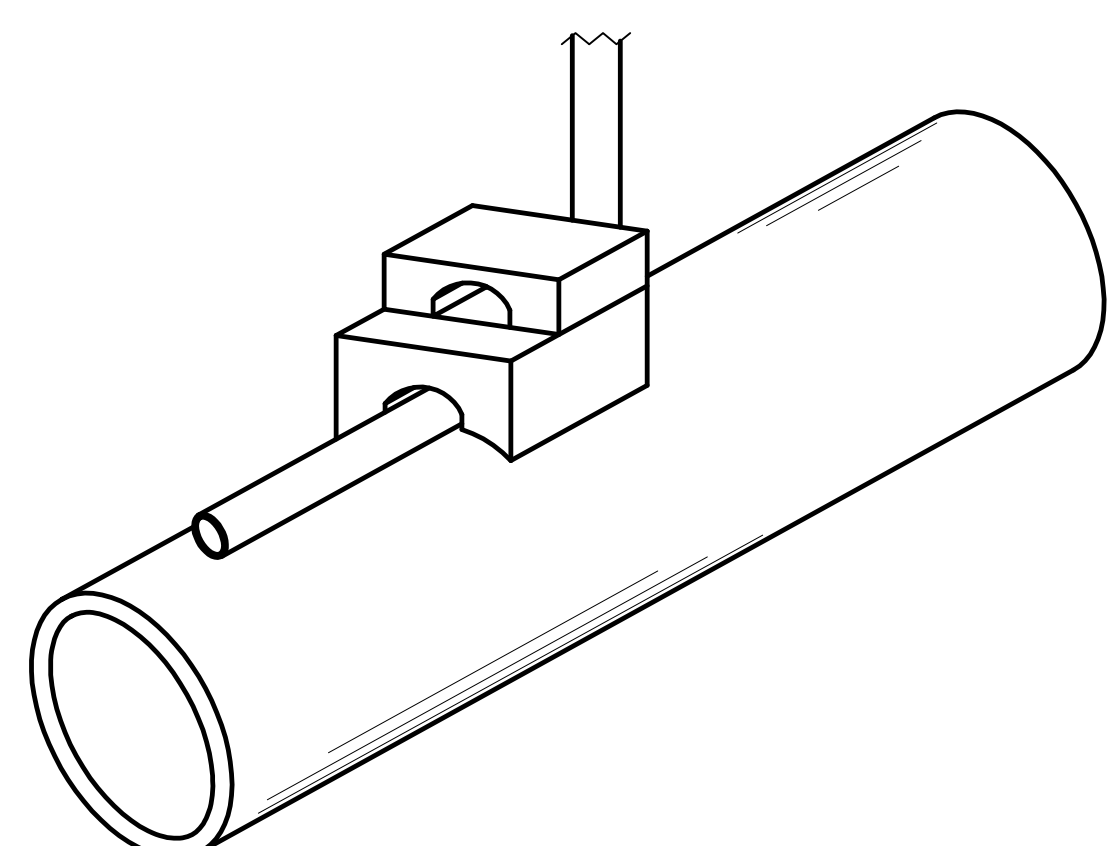
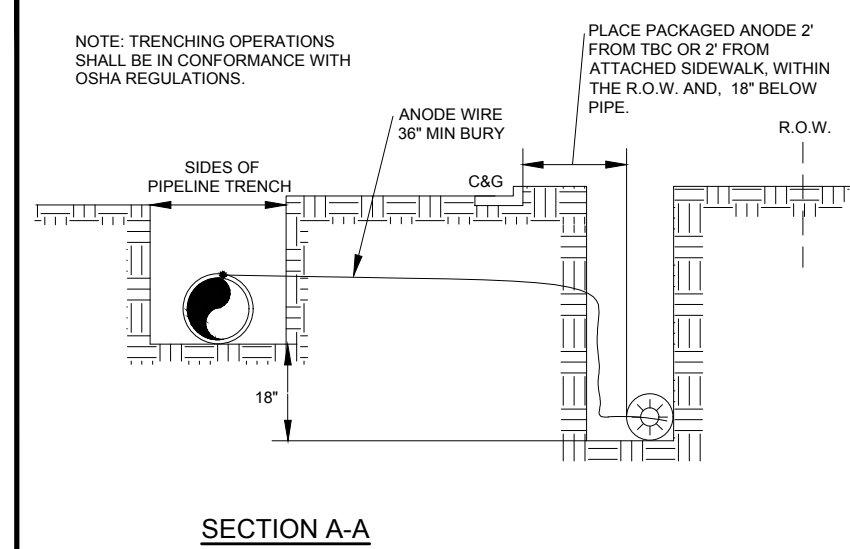
For use with DIP in conjunction with poly-wrap sleeves and piping in 1000 ohm-cm soil estimating a 5% holiday area.

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.



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:

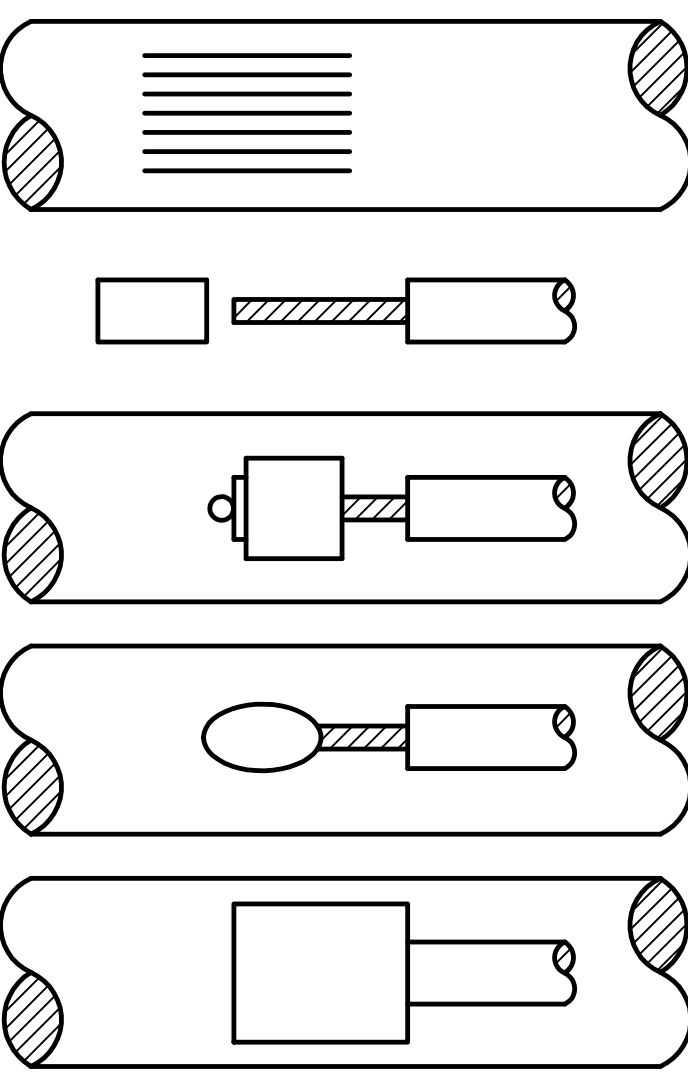
PLACE TUBE OF POLYETHYLENE MATERIAL ON PIPE PRIOR TO LOWERING IT INTO TRENCH.

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.

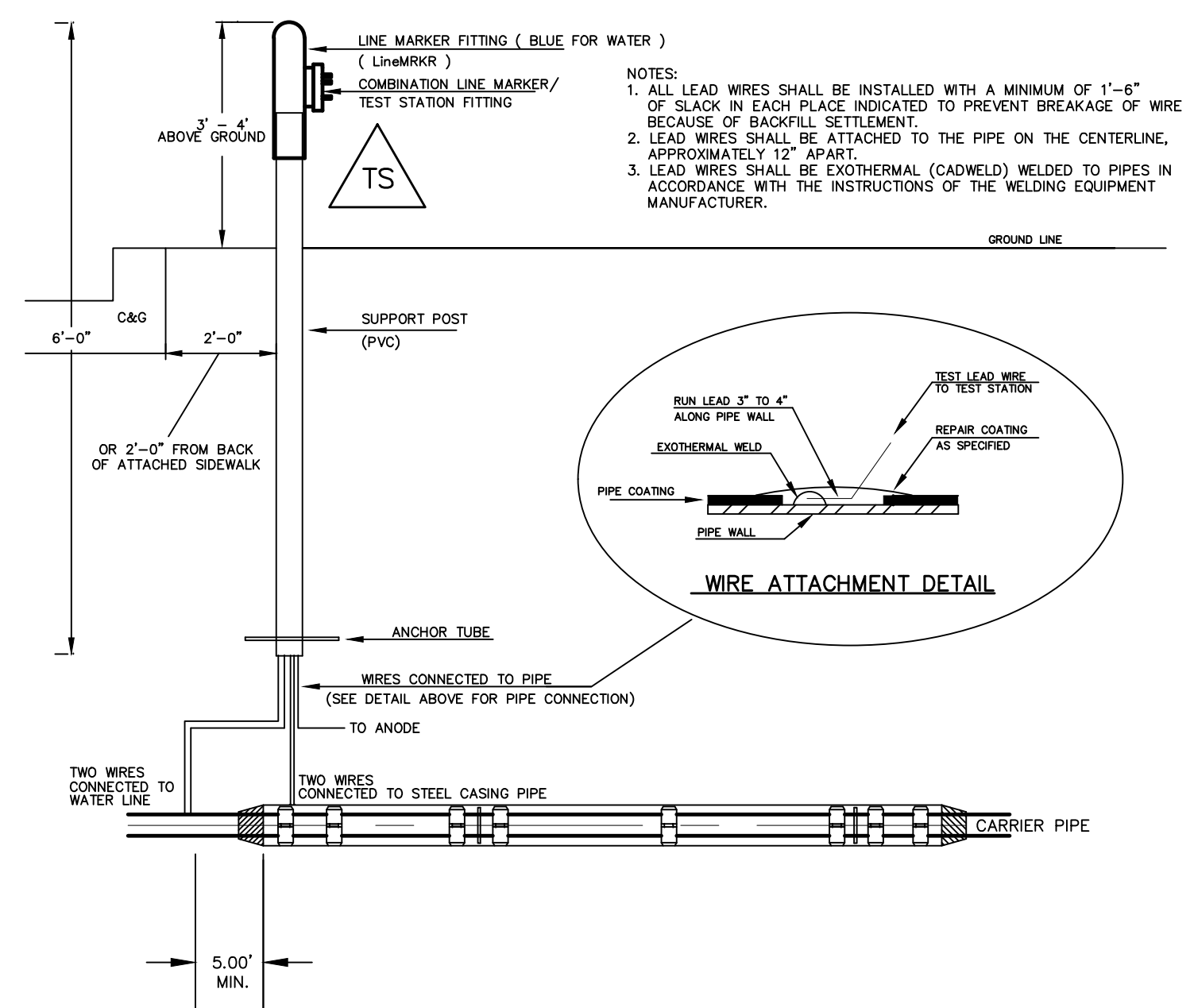


- STEP 1.** File structure connection area (3 in x 3 in) to bare shiny metal and clean.
- STEP 2.** Strip insulation from wire. Attach sleeve where required by manufacturer.
- STEP 3.** Hold mold firmly with opening away from operator and ignite with flint gun.
- STEP 4.** Remove slag from connection 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



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

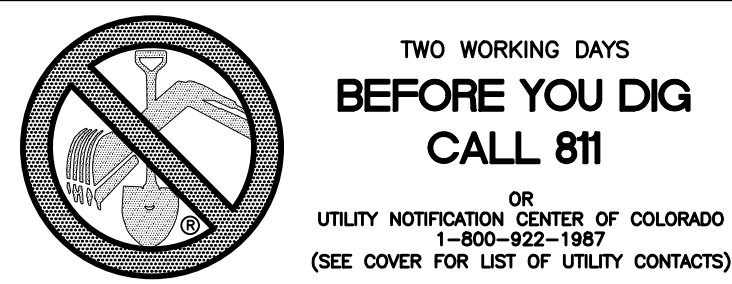
TECH CONTRACTORS
11886 STAPLETON DRIVE
FALCON, CO 80831
TELEPHONE: 719.495.7444
FAX: 719.495.2457



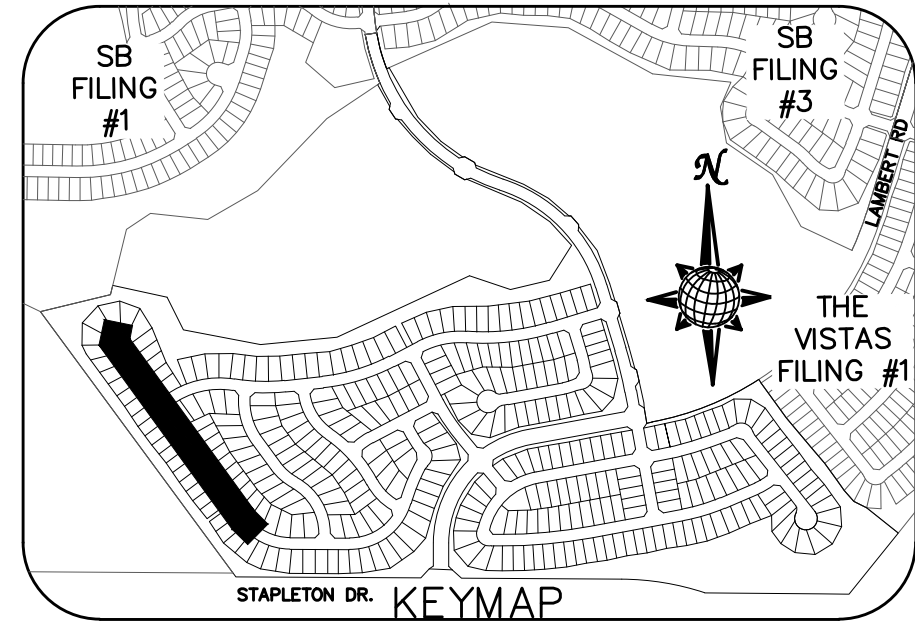
WINDINGWALK FLAT MERIDIAN RANCH
STREET AND UTILITY PLANS
DETAIL SHEET

Drawn by LCA
Checked by TAK
Date JAN 2008

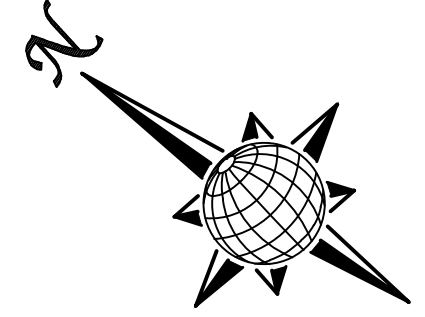
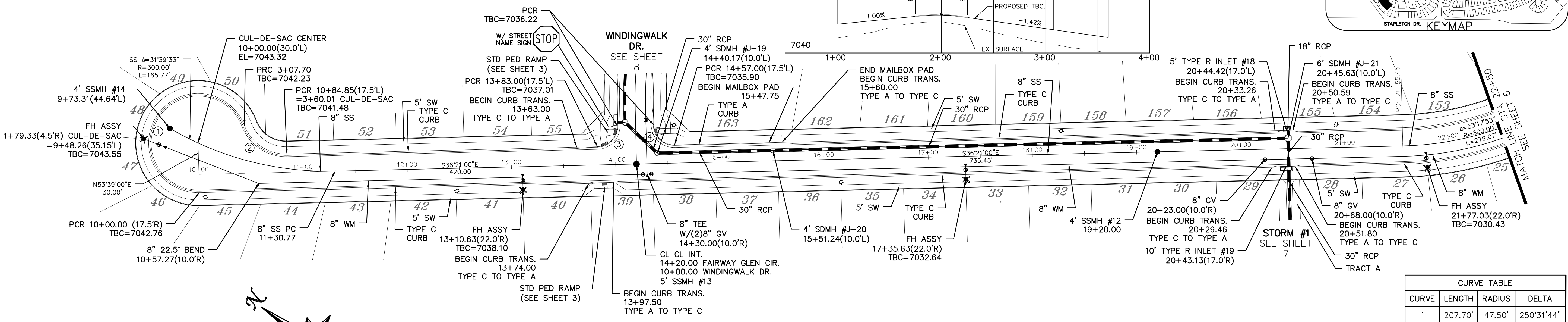
Scale AS SHOWN
4 of 55



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

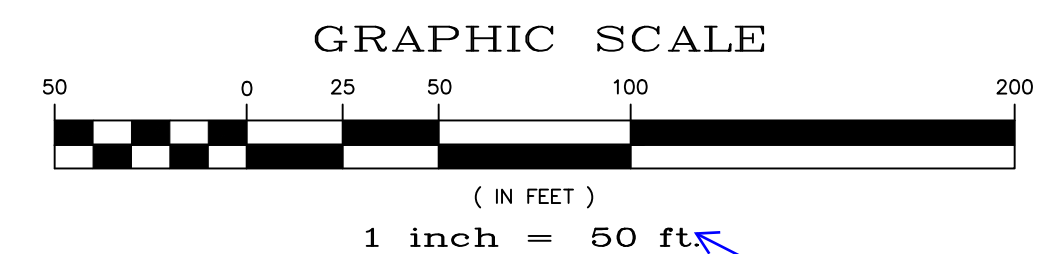


7050	PCR 10+00.00(17.5'L) TBC=7042.76	HIGH PT. STA: 1+95.66 HIGH PT. ELEV: 7043.61 PVI STA: 2+00.00 PVI ELEV: 7043.76 K: 20.66 LVC: 50.00	PRC=3+07.70 TBC=7043.23	PCR 10+84.85(17.5'L) TBC=7041.48
7045		BVCS: 1+75.00 BVCE: 7043.51	EVCS: 2+25.00 EVCE: 7043.40	
7040			PROPOSED TBC	



FAIRWAY GLEN CIR.

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



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

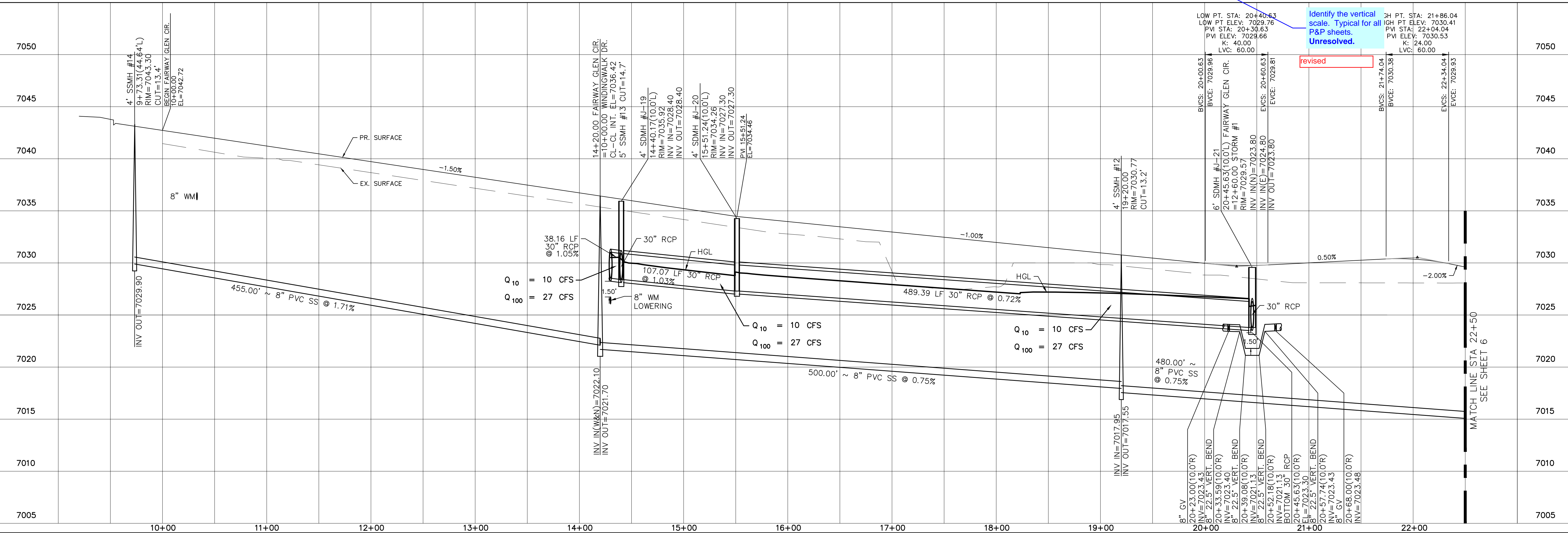


WINDINGWALK FLAT MERIDIAN RANCH
STREET AND UTILITY PLANS
FAIRWAY GLEN CIR.

Drawn by
Checked by
Date

Scale
AS SHOWN
5 of 55

JAN 2018



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

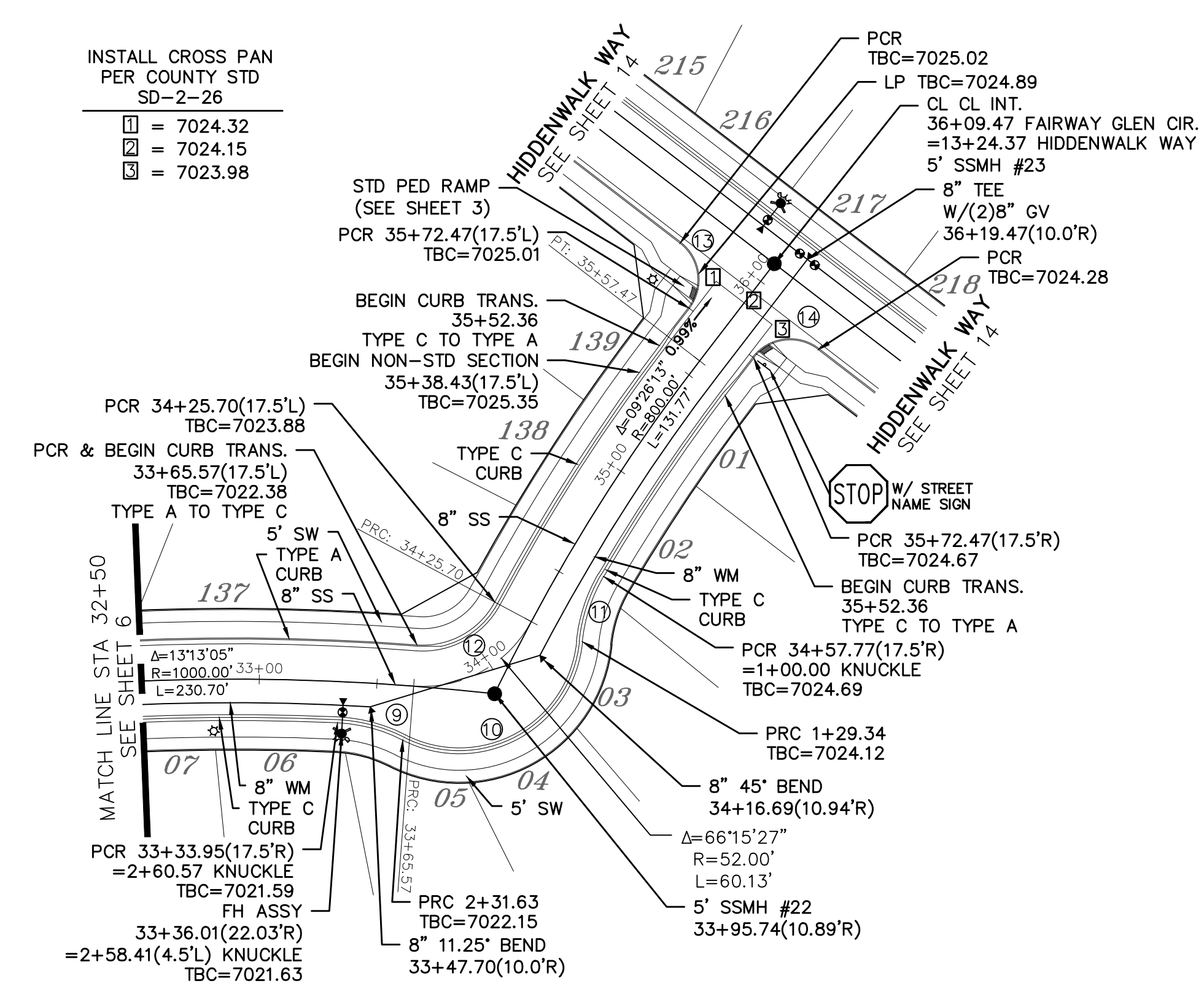
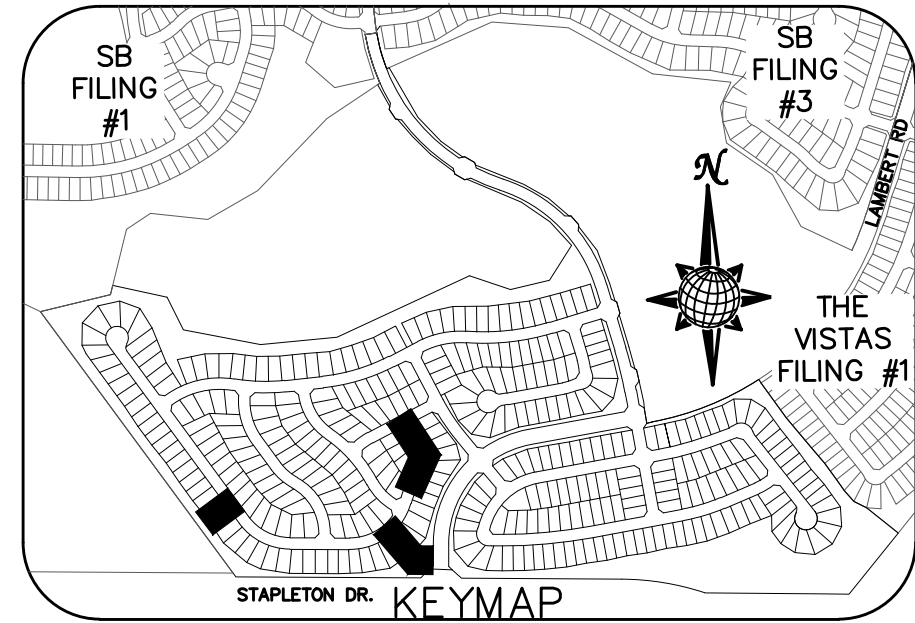
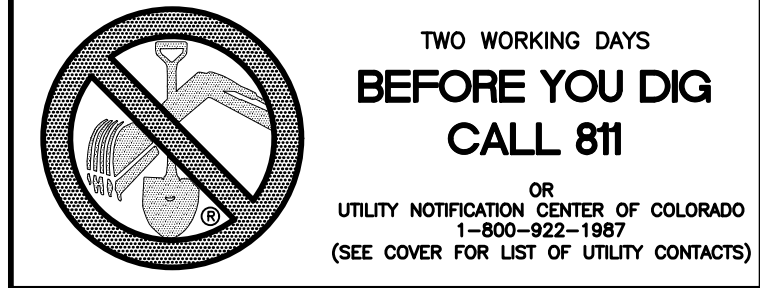
revised

INSTALL CROSS PAN
PER COUNTY STD
SD-2-26

- = 7024.32
- ▣ = 7024.15
- ▤ = 7023.98

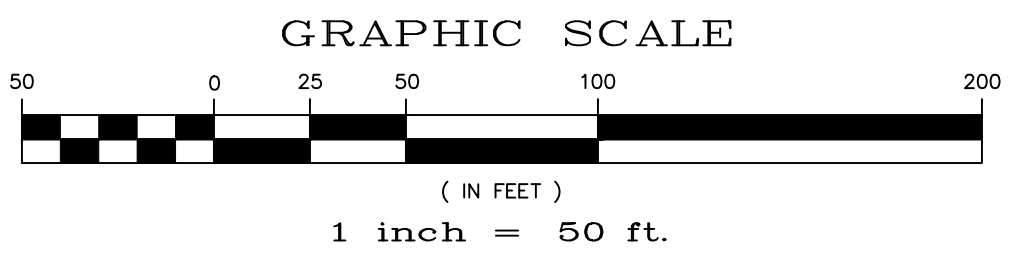
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
9	28.94'	67.50'	24°34'04"
10	102.28'	52.50'	111°37'30"
11	29.34'	67.50'	24°54'28"
12	39.90'	34.50'	66°15'27"
13	30.63'	19.50'	90°00'00"
14	30.63'	19.50'	90°00'00"

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

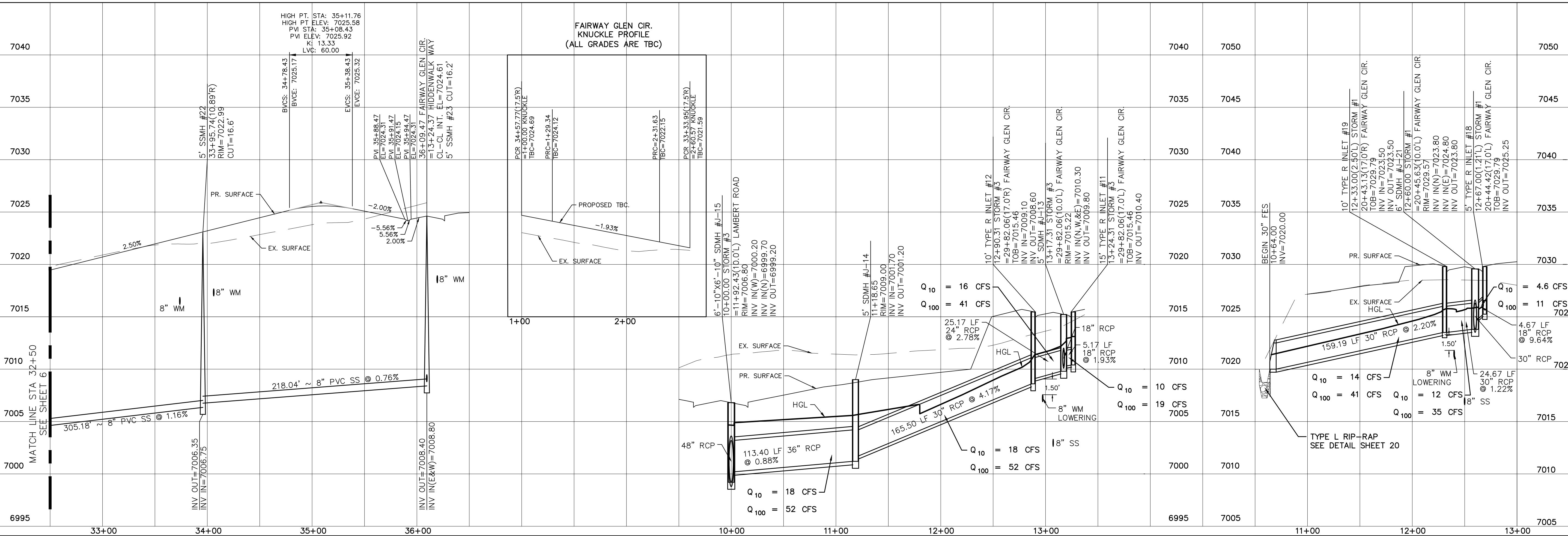
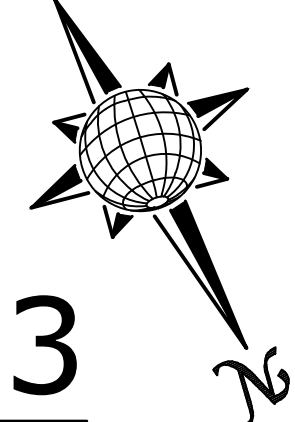


FAIRWAY GLEN CIR.

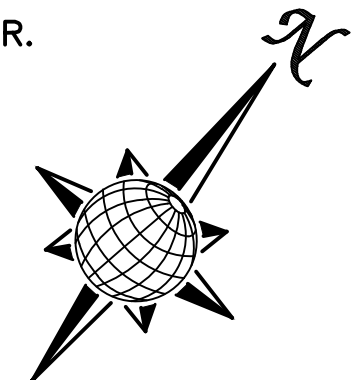
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



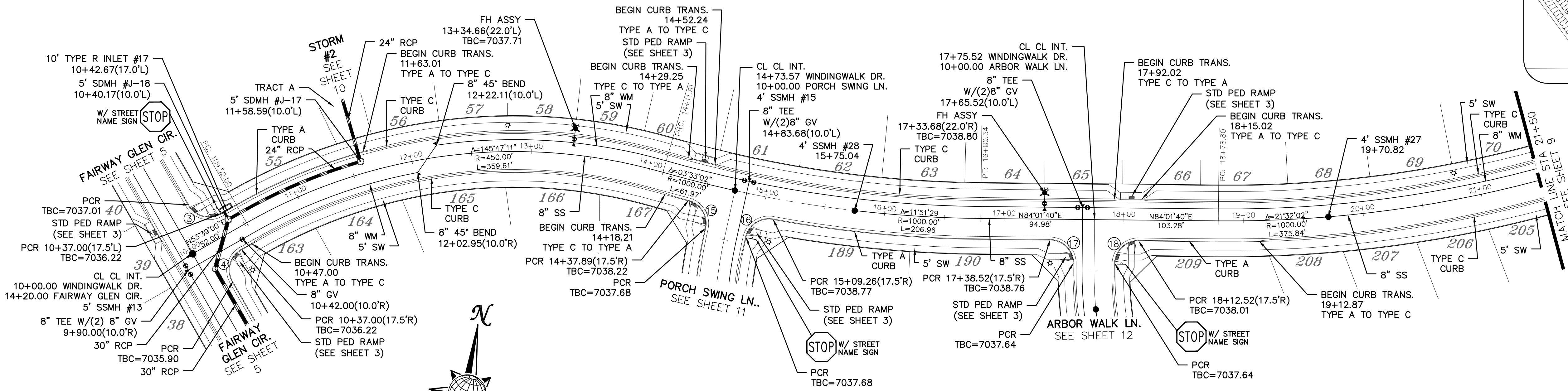
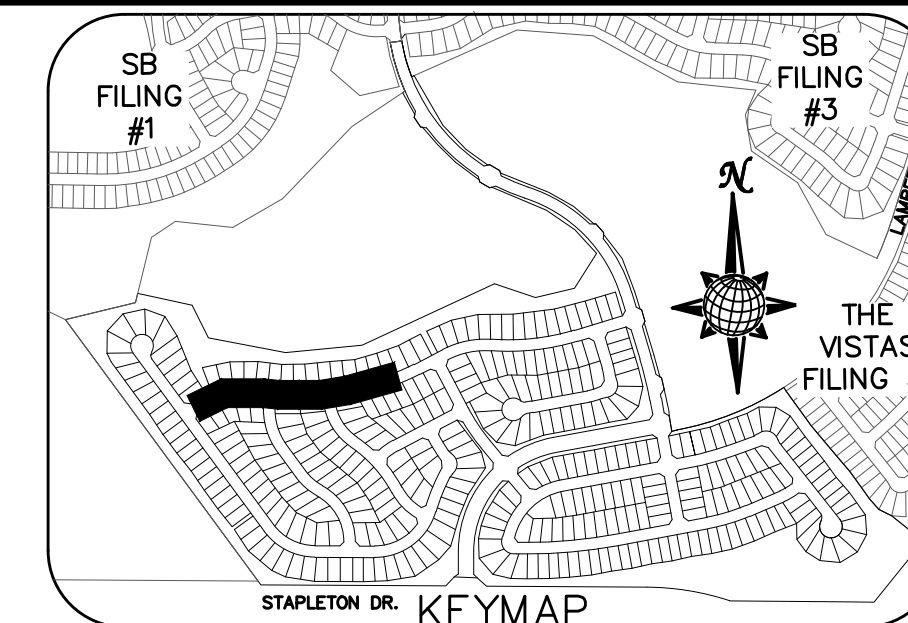
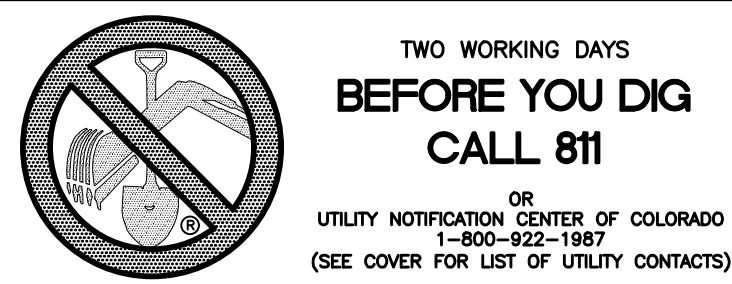
STORM #3



STORM #1



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. + STORM #1 + STORM #3	Drawn by AS SHOWN	Checked by TAK
Date JAN 2018	Scale AS SHOWN	7 of 55	Date JAN 2018	Date JAN 2018



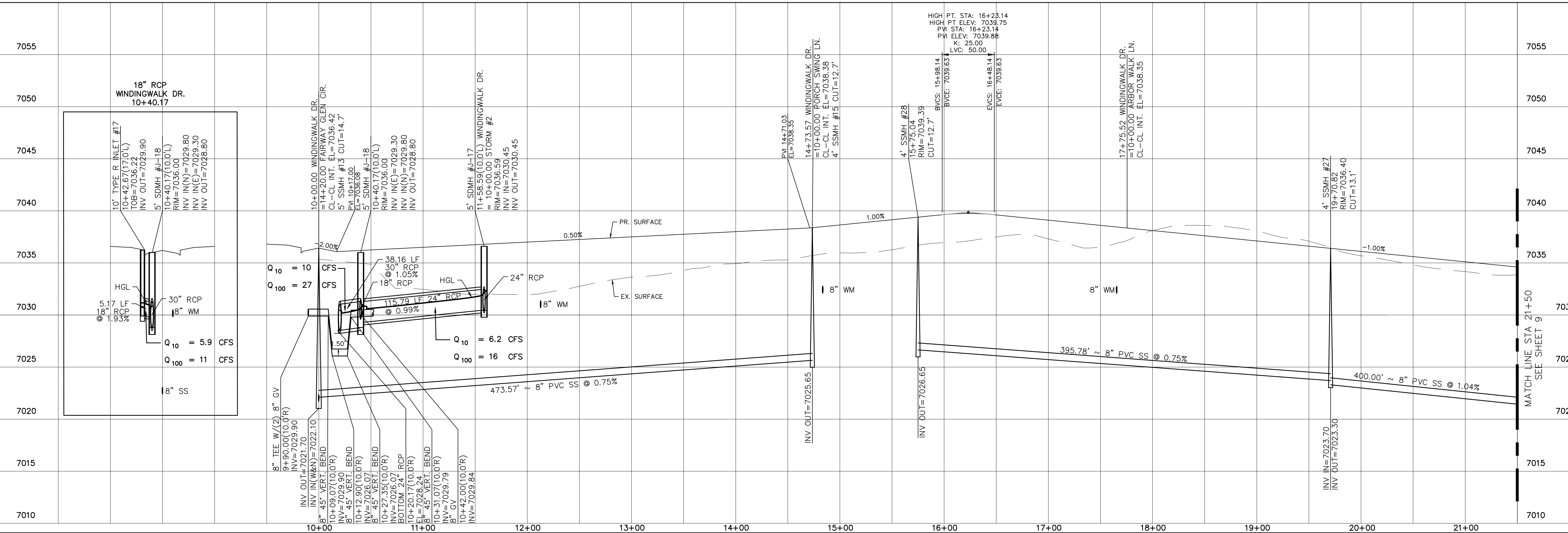
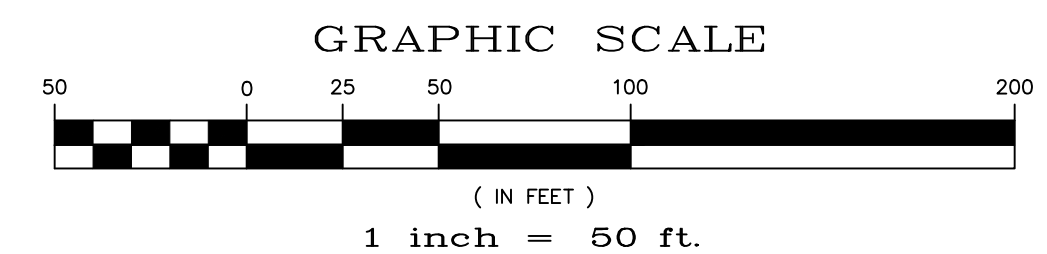
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
3	30.63'	19.50'	90°00'00"
4	30.63'	19.50'	90°00'00"
15	29.93'	19.50'	87°57'19"
16	29.93'	19.50'	87°57'19"
17	30.63'	19.50'	90°00'00"
18	30.63'	19.50'	90°00'00"

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

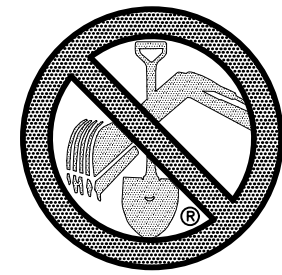


WINDINGWALK DR.

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



TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457	SB FILING #1	SB FILING #3	THE VISTAS FILING #1
	WINDINGWALK FLAT MERIDIAN RANCH	STREET AND UTILITY PLANS	WINDINGWALK DR.
	Drawn by LGA	Checked by TAK	Date JUN 2018
Scale AS SHOWN	8 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)

W/ STREET NAME SIGN
STOP

STD PED RAMP
(SEE SHEET 3)

8" TEE W/(2)8" GV
9+90.00(10.0'L)

CL CL INT.
10+00.00 PORCH SWING LN.
14+73.57 WINDINGWALK DR.

4' SSMH #15
STD PED RAMP
(SEE SHEET 3)

PCR
TBC=7038.22

WINDINGWALK DR.
SEE SHEET 8

62

61

60

505'53.09"W
42.00'

PCR 10+36.34(17.5'L&R)
TBC=7037.68

4' SSMH #17
10+90.19

TYPE A CURB
BEGIN CURB TRANS.
11+33.24
TYPE A TO TYPE C

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

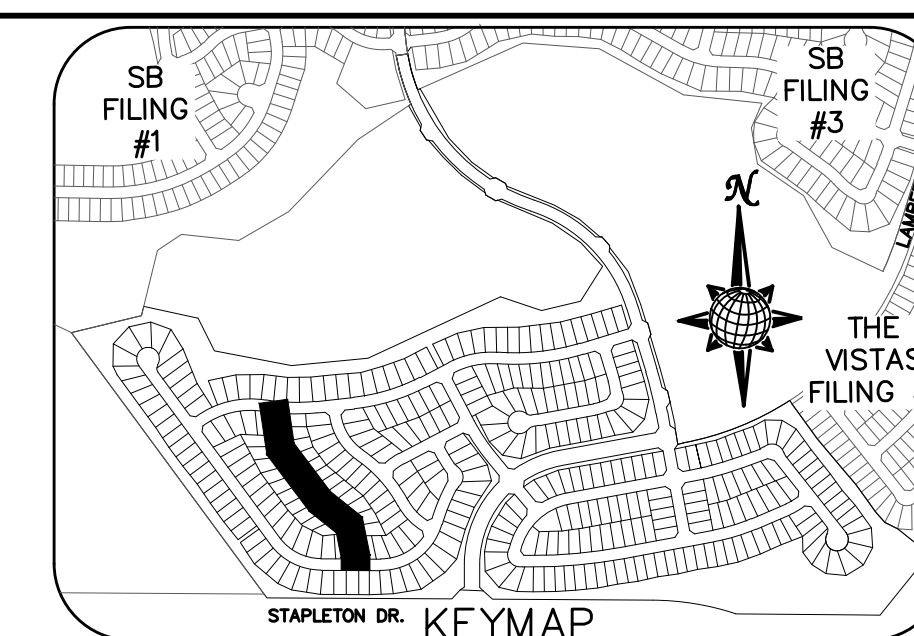
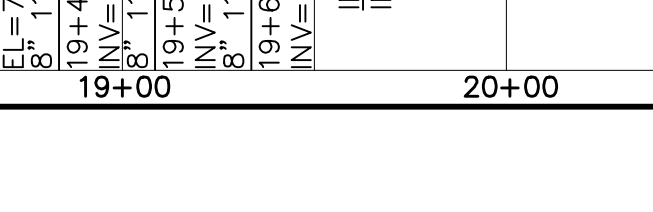
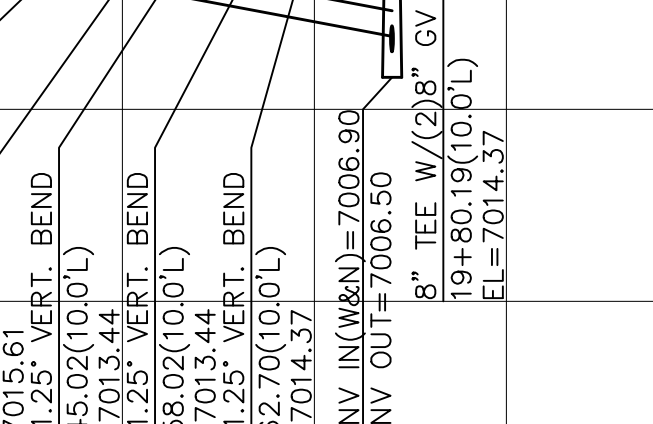
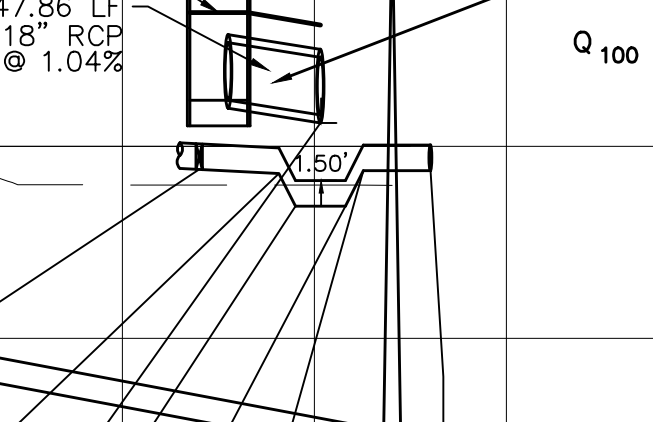
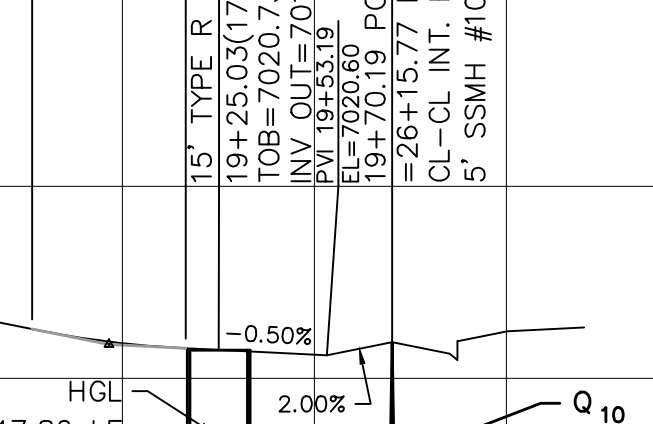
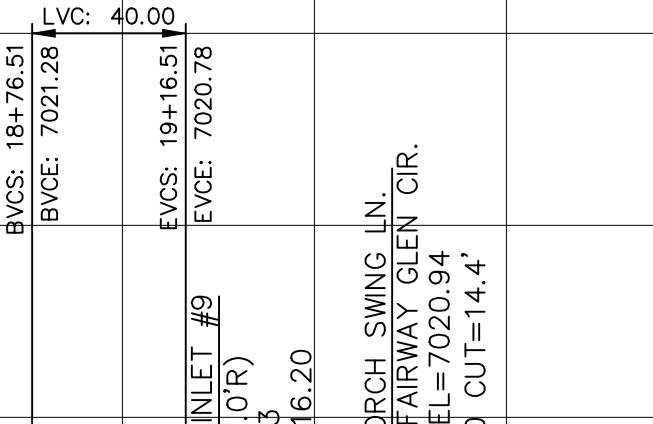
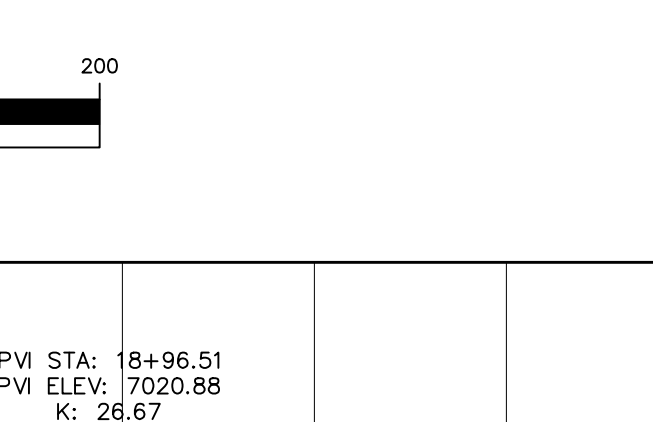
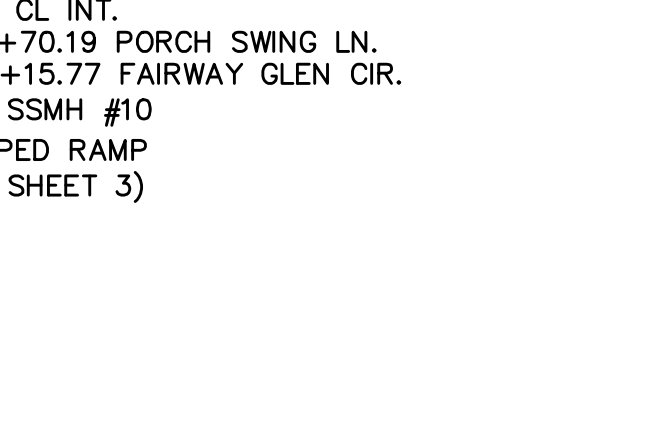
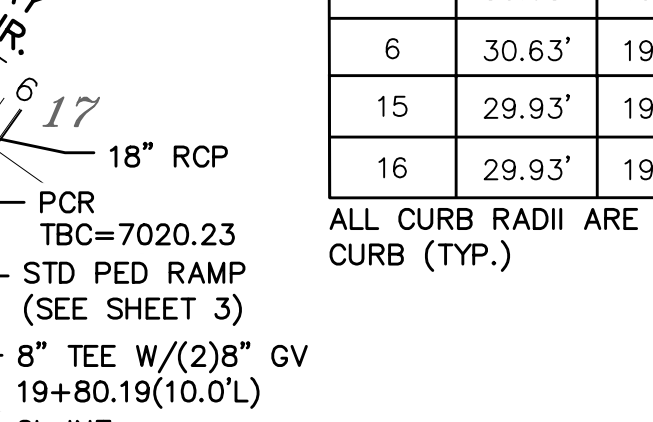
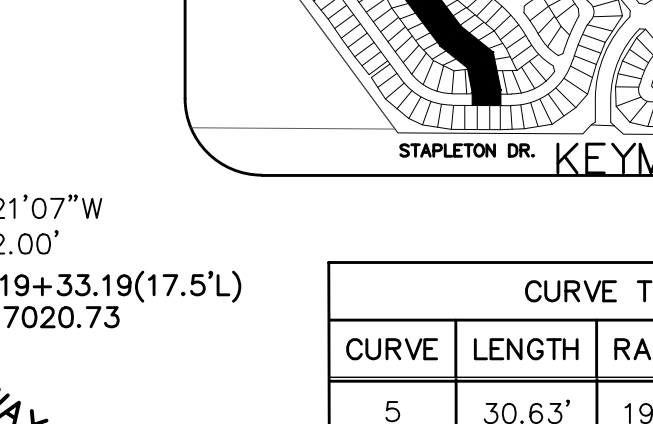
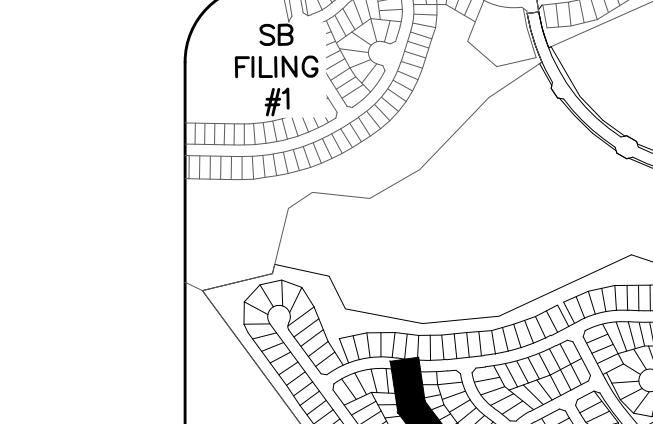
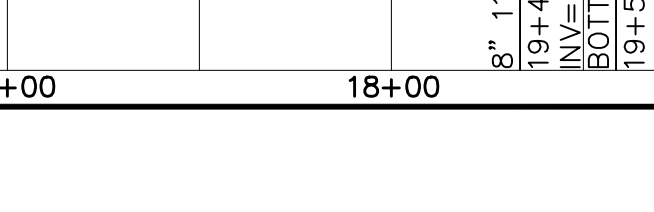
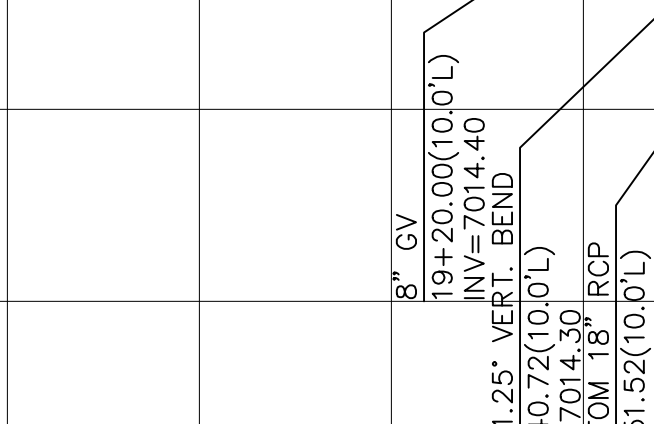
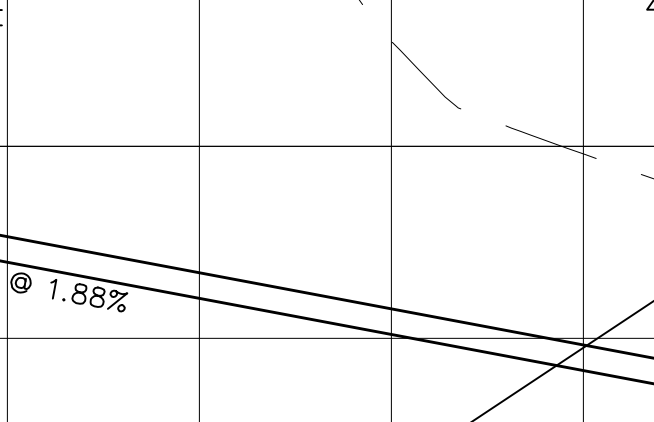
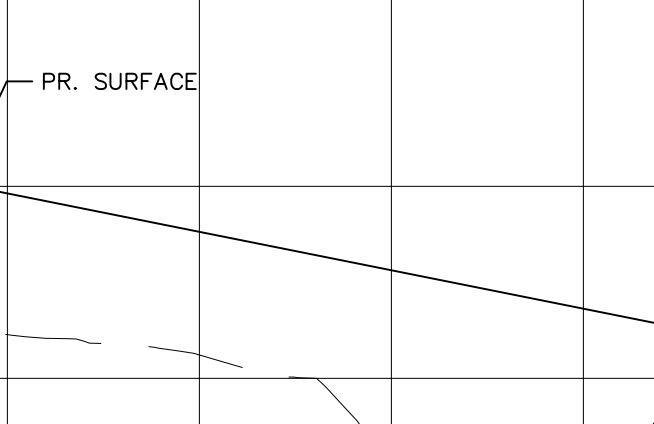
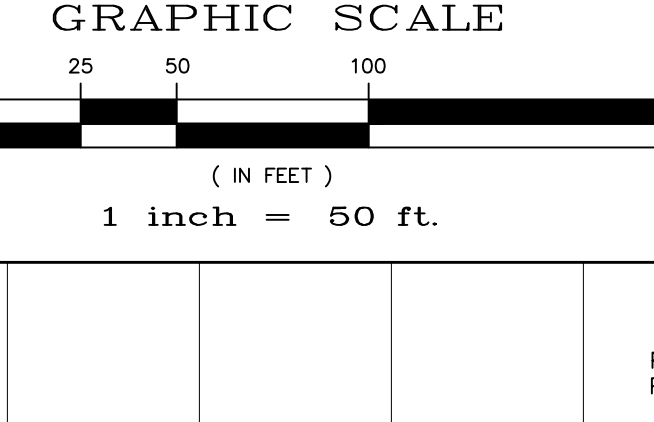
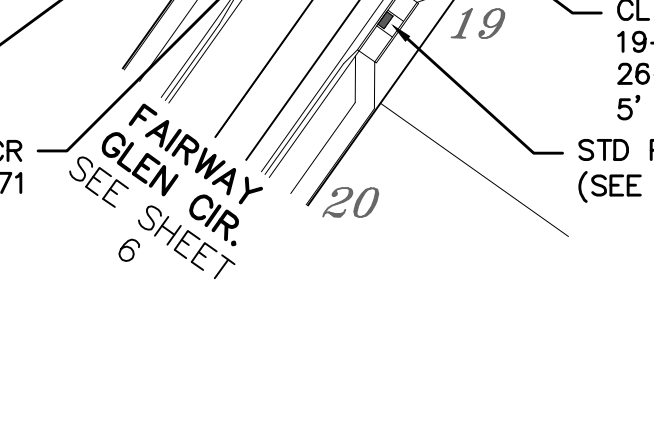
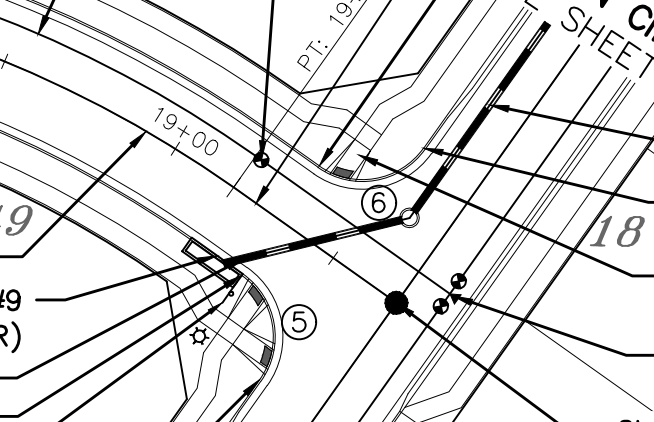
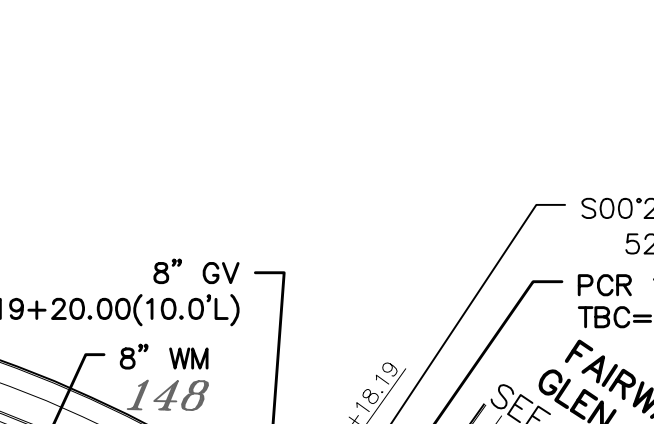
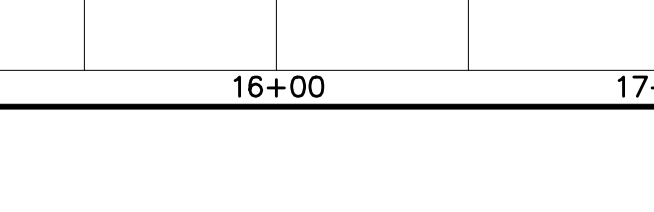
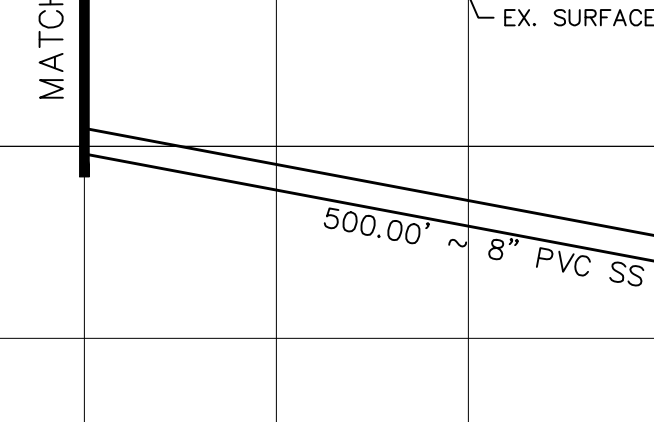
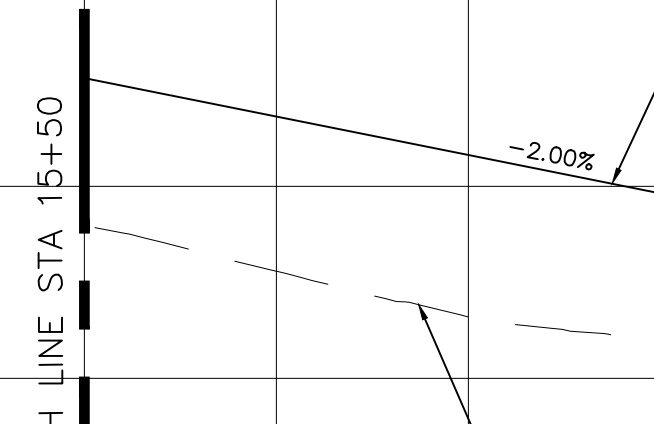
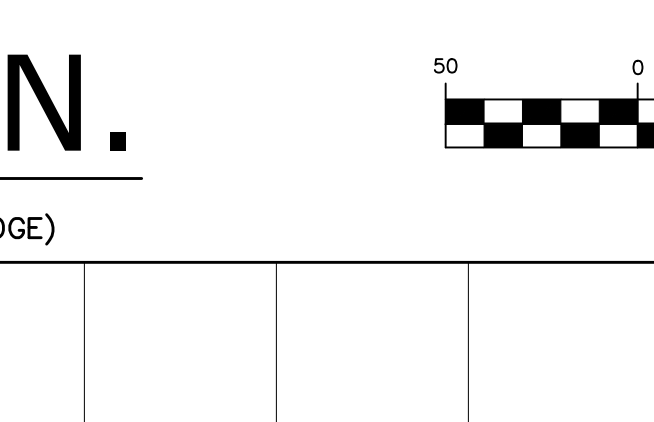
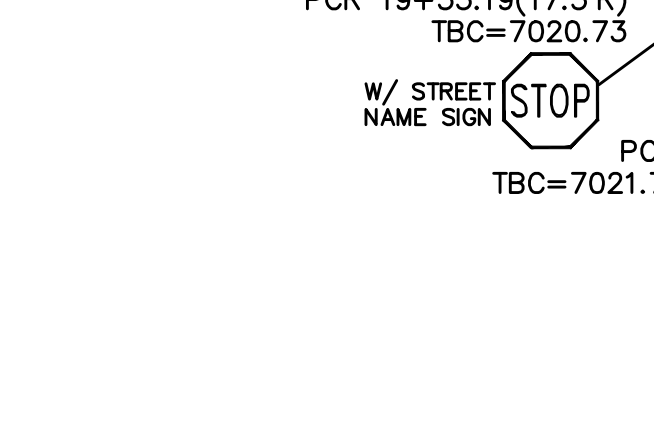
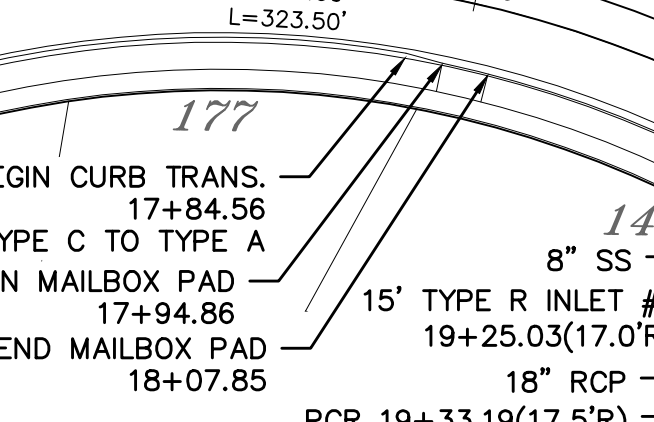
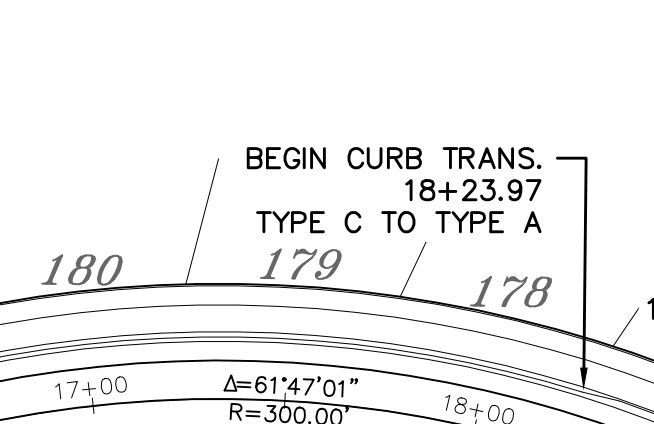
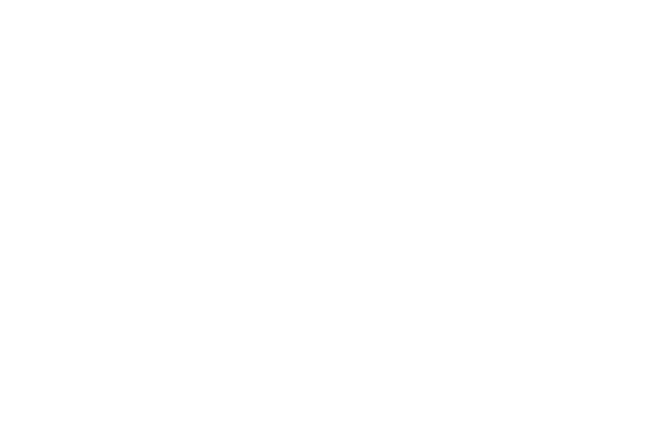
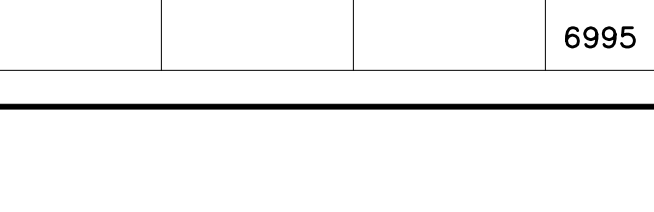
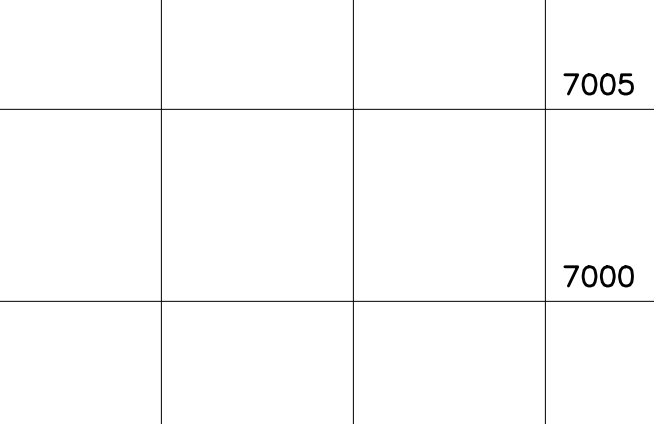
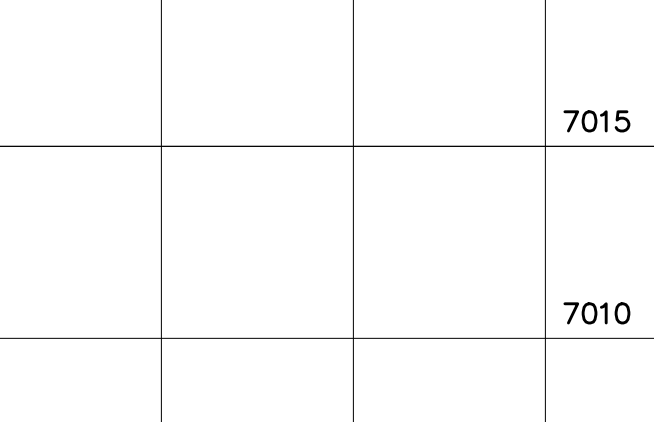
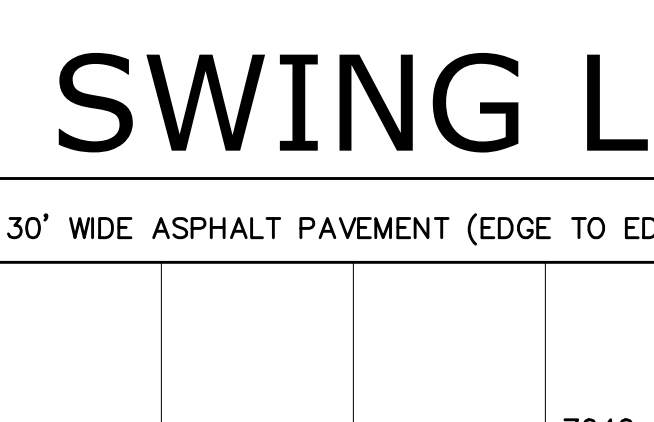
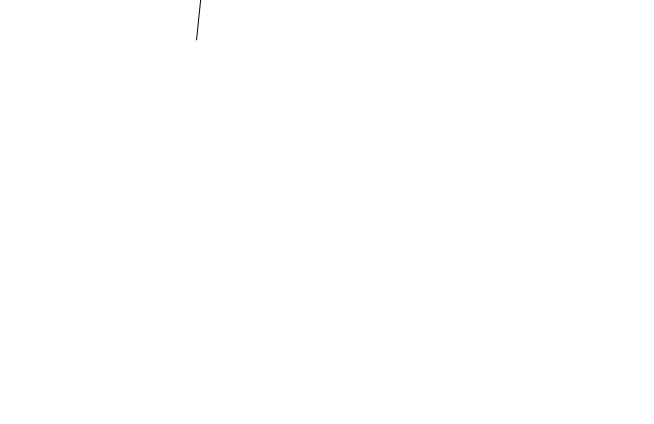
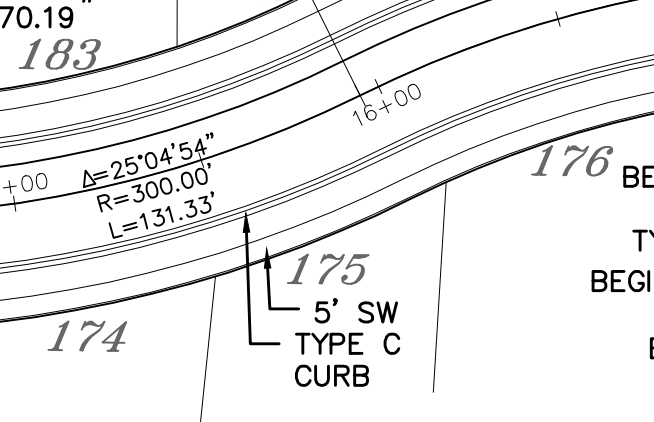
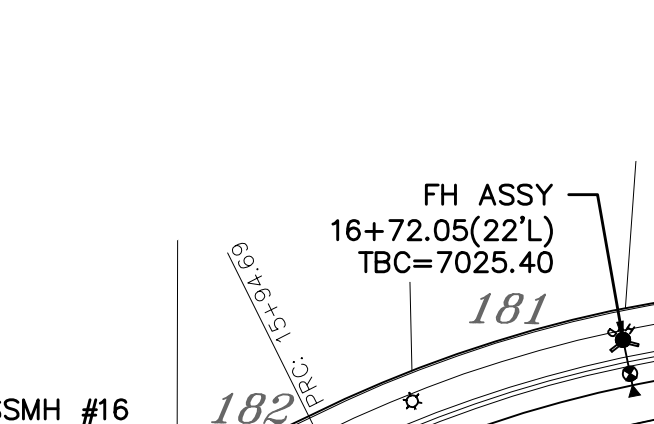
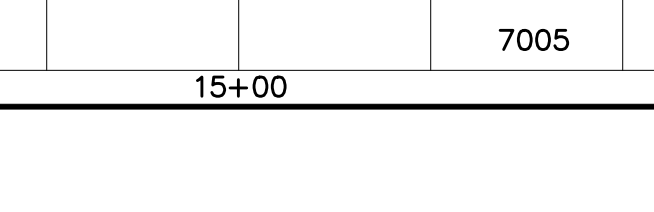
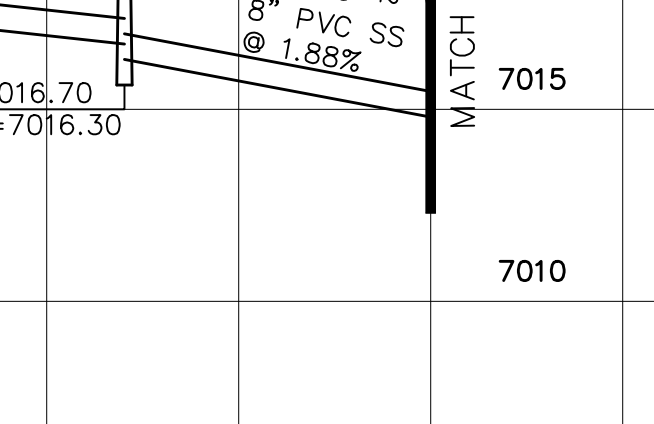
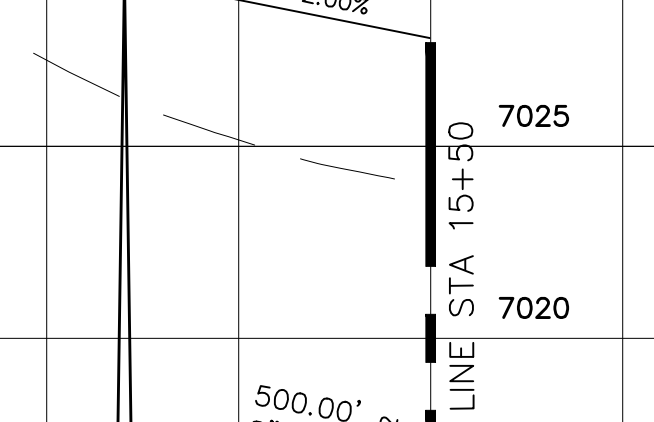
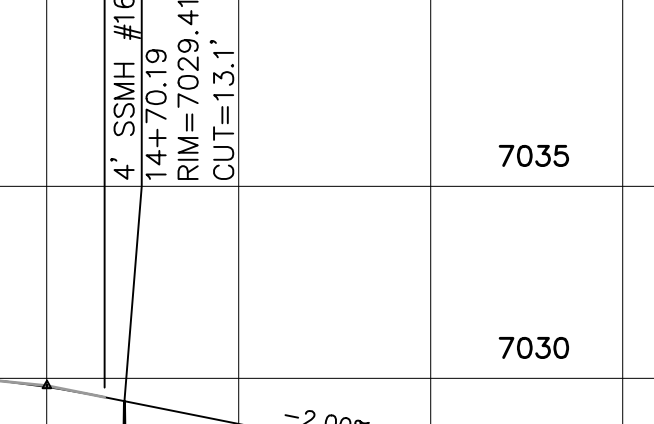
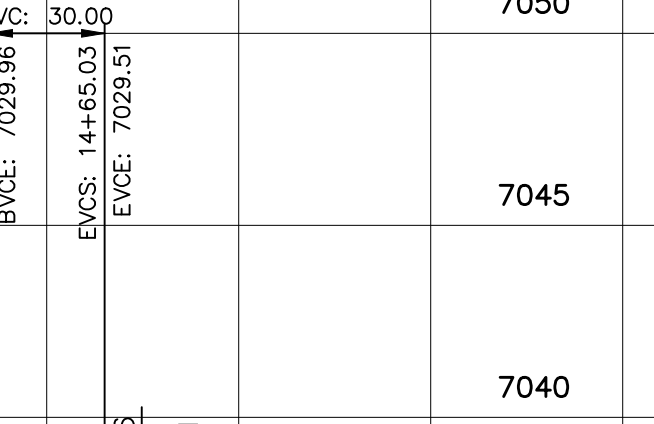
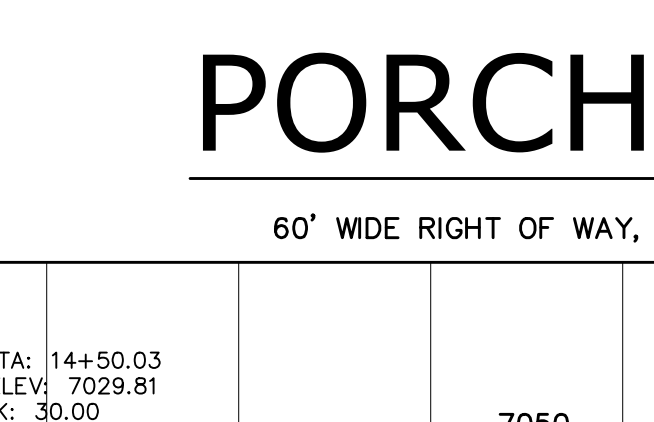
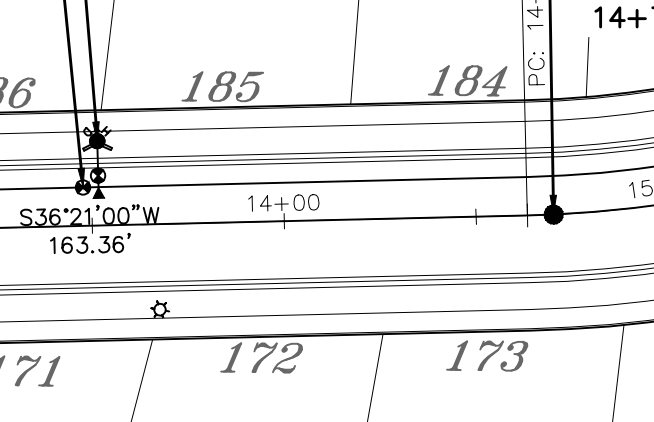
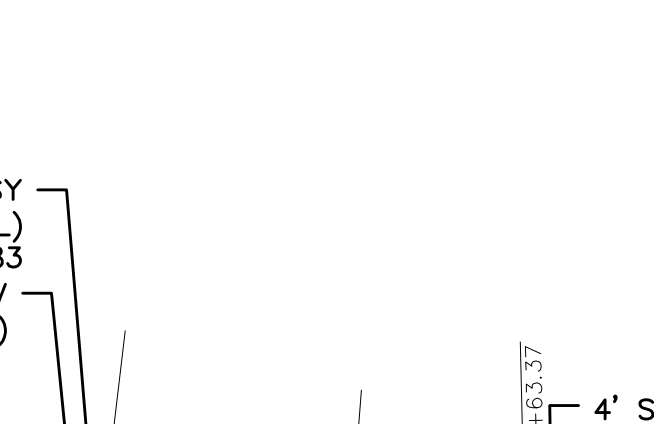
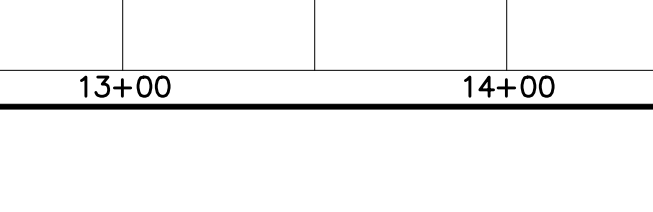
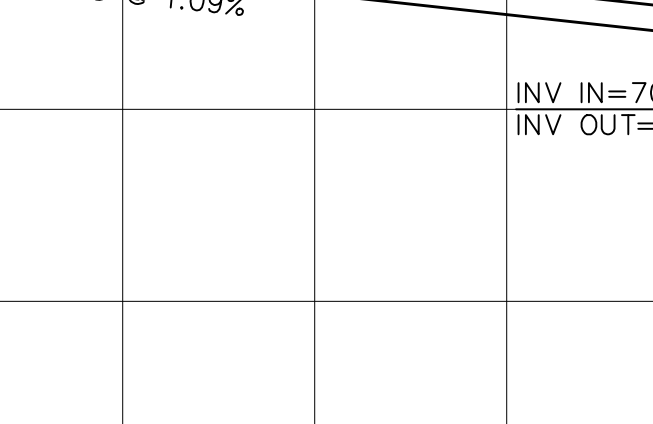
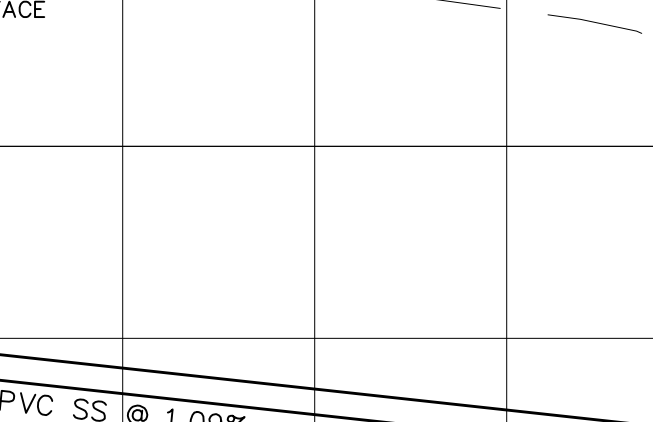
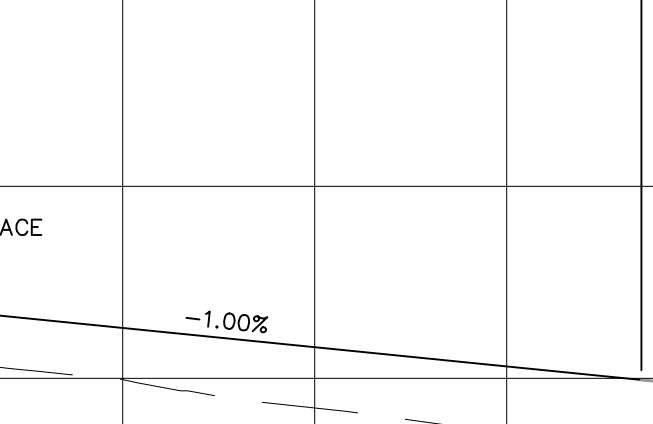
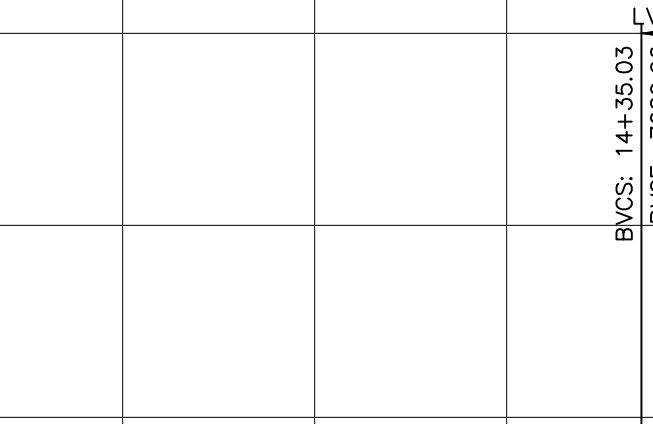
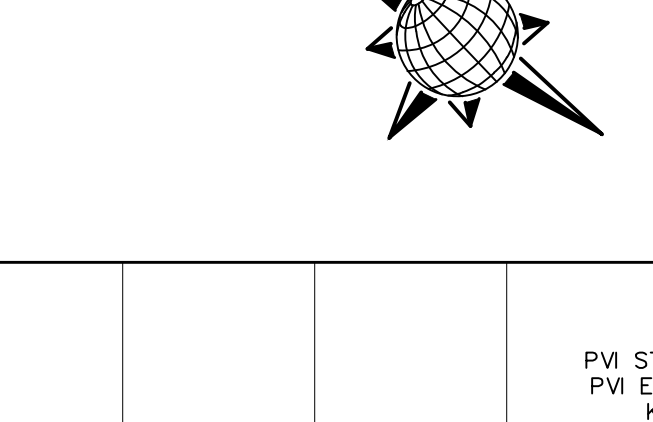
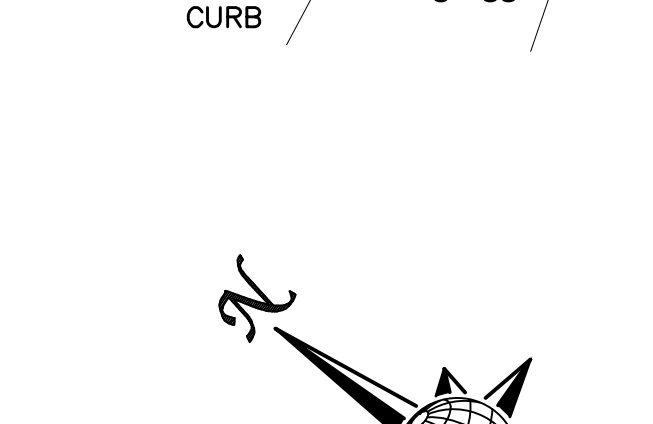
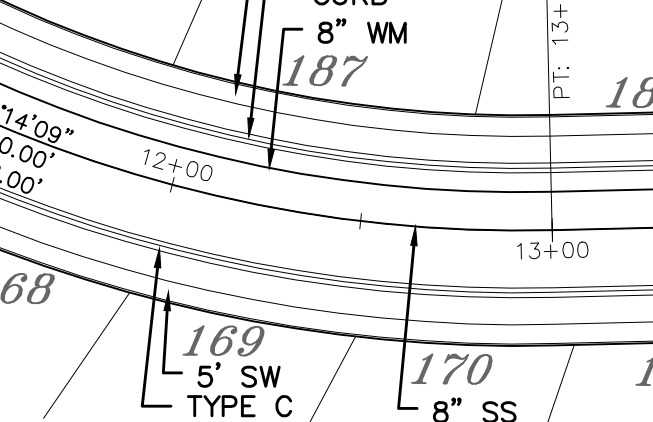
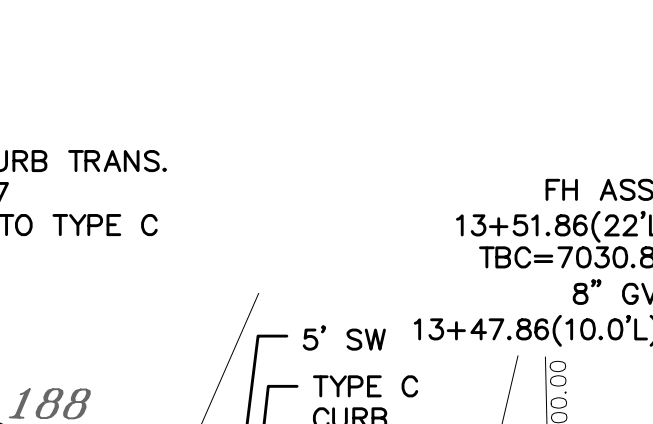
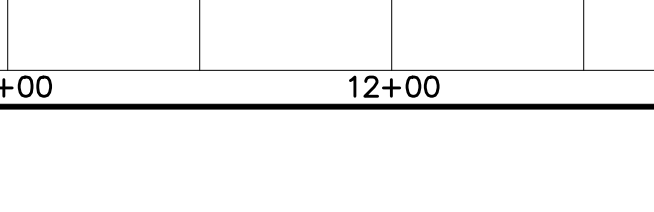
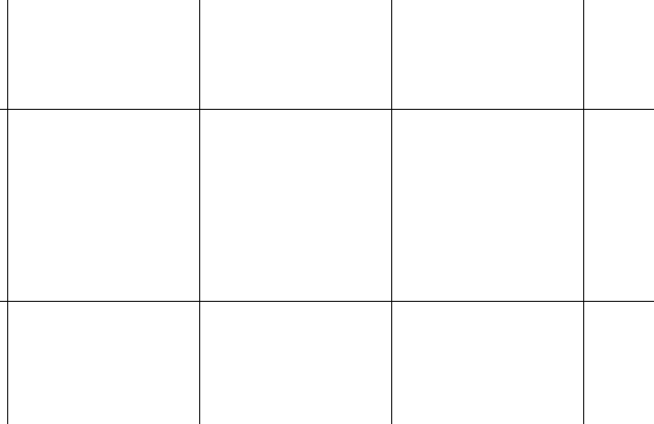
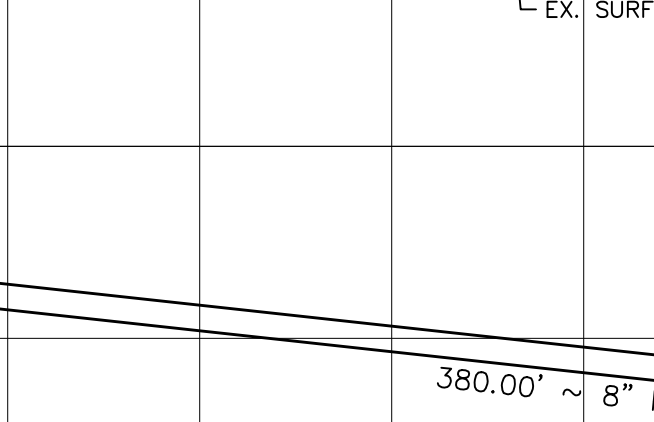
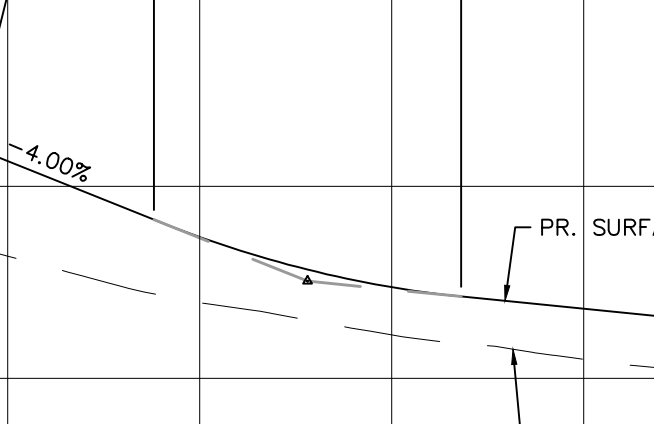
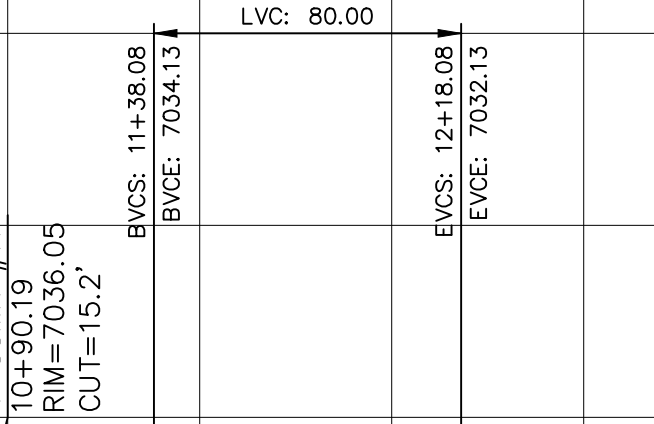
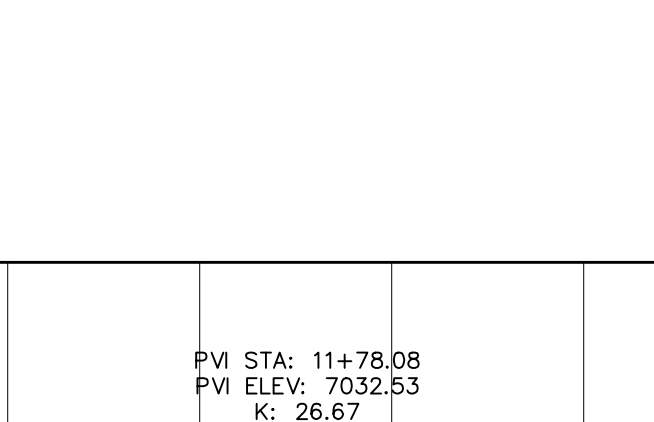
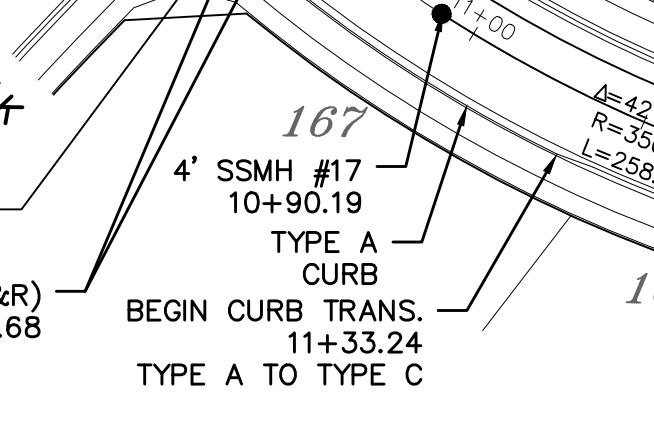
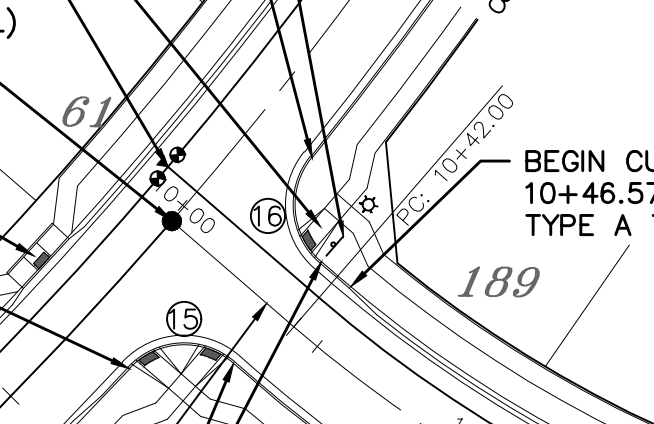
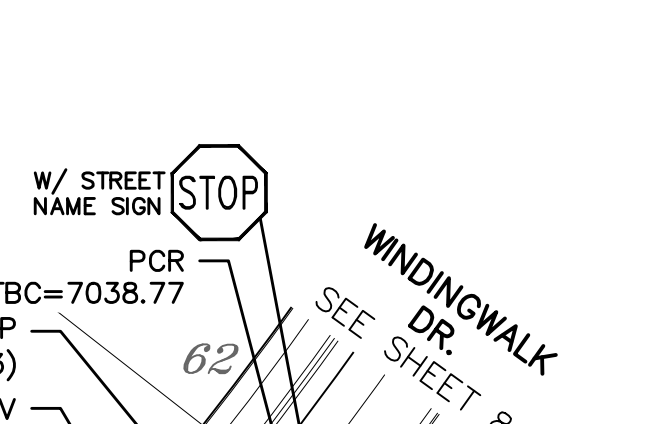
188

189

190

191

192



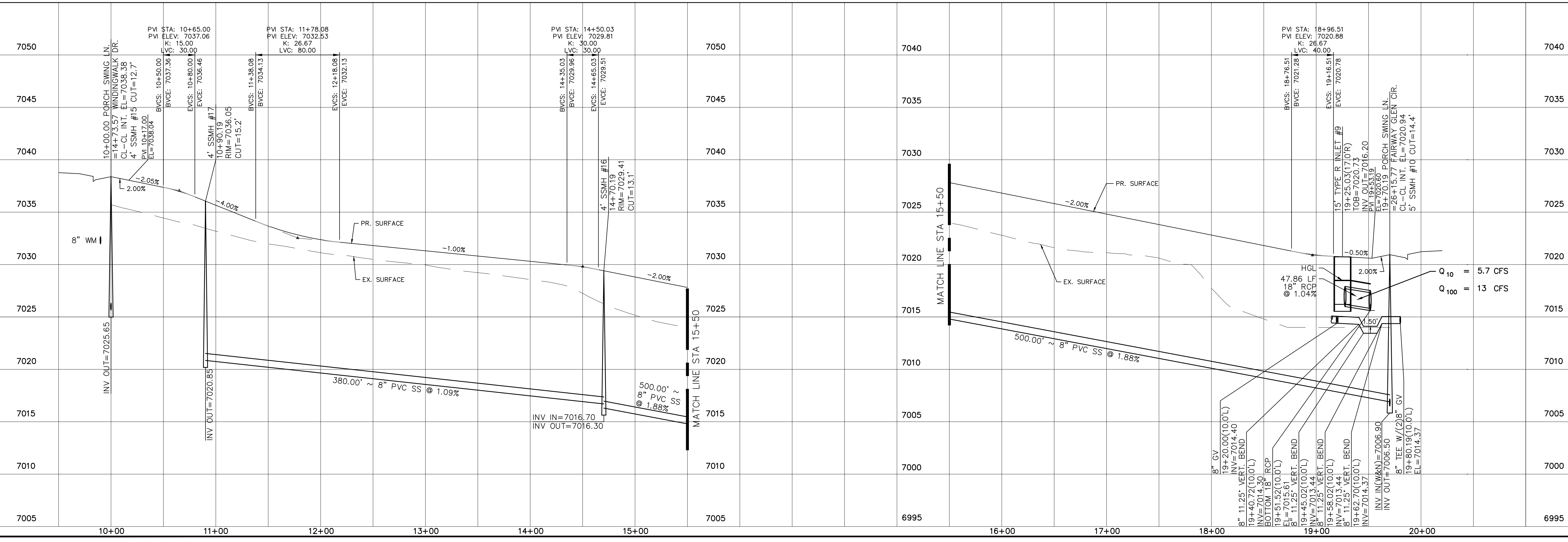
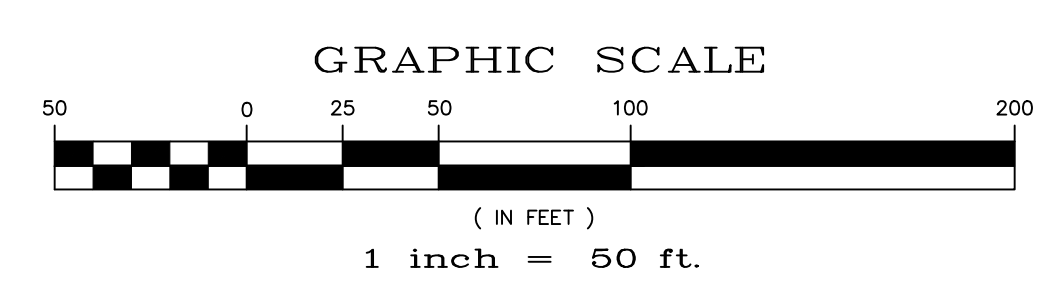
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
5	30.63'	19.50'	90°00'00"
6	30.63'	19.50'	90°00'00"
15	29.93'	19.50'	87°57'19"
16	29.93'	19.50'	87°57'19"

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



PORCH SWING LN.

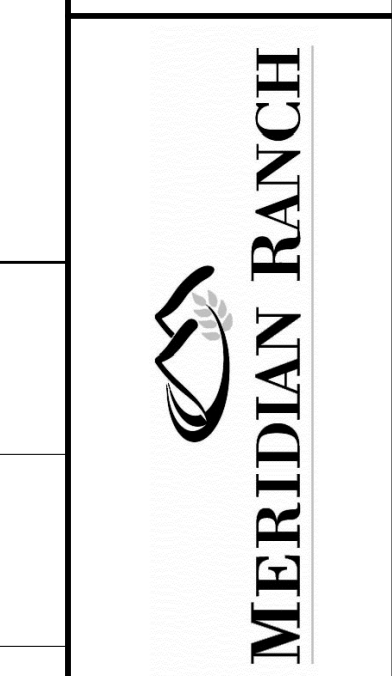
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



Date	
Appr.	
Invt.	
Date	

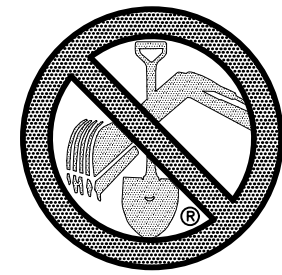
No.	
Revisions	

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



WINDINGWALK FLAT MERIDIAN RANCH
STREET AND UTILITY PLANS
PORCH SWING LN.

Scale	AS SHOWN
Drawn by	LOG
Checked by	TAK
Date	JAN 2008
11 of 55	

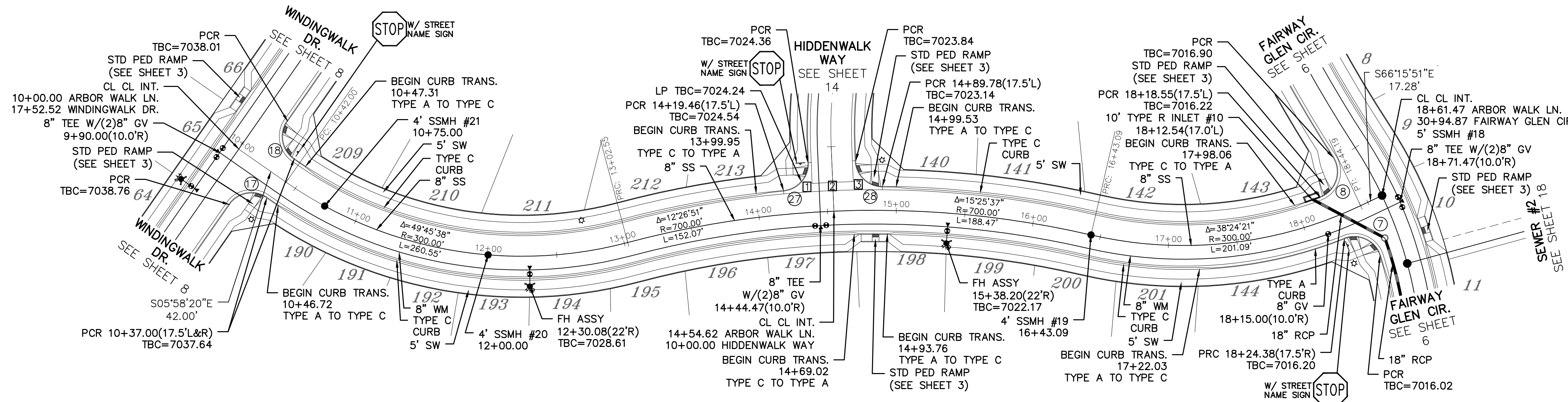
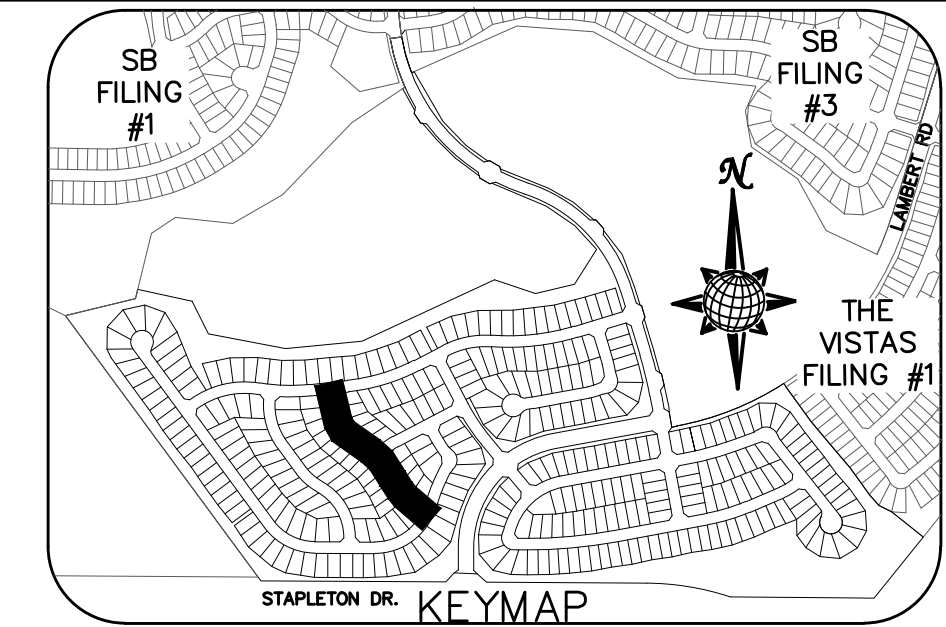


TWO WORKING DAYS
BEFORE YOU DIG
CALL 811

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

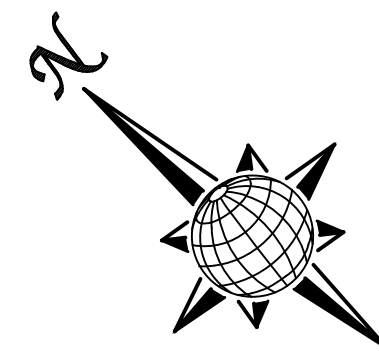
INSTALL CROSS PAN
PER COUNTY STD
SD-2-26

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



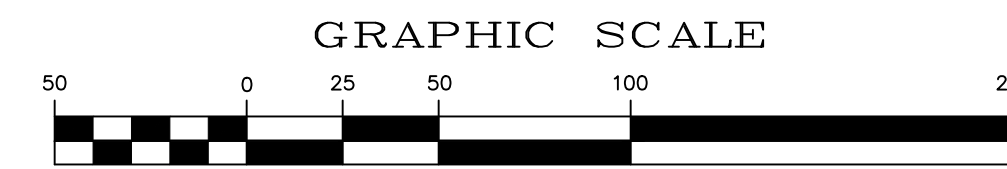
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
7	32.04'	19.50'	94°08'36"
8	34.84'	19.50'	102°22'10"
17	30.63'	19.50'	90°00'00"
18	30.63'	19.50'	90°00'00"
27	29.65'	19.50'	87°07'20"
28	29.65'	19.50'	87°07'20"

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

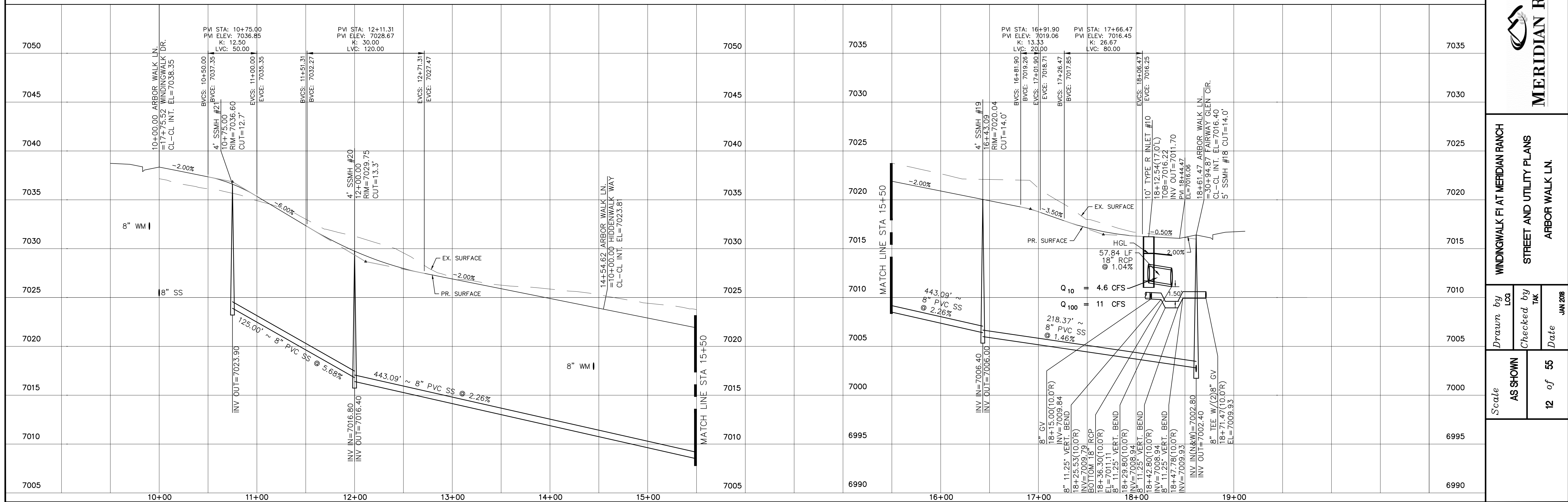


ARBOR WALK LN.

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

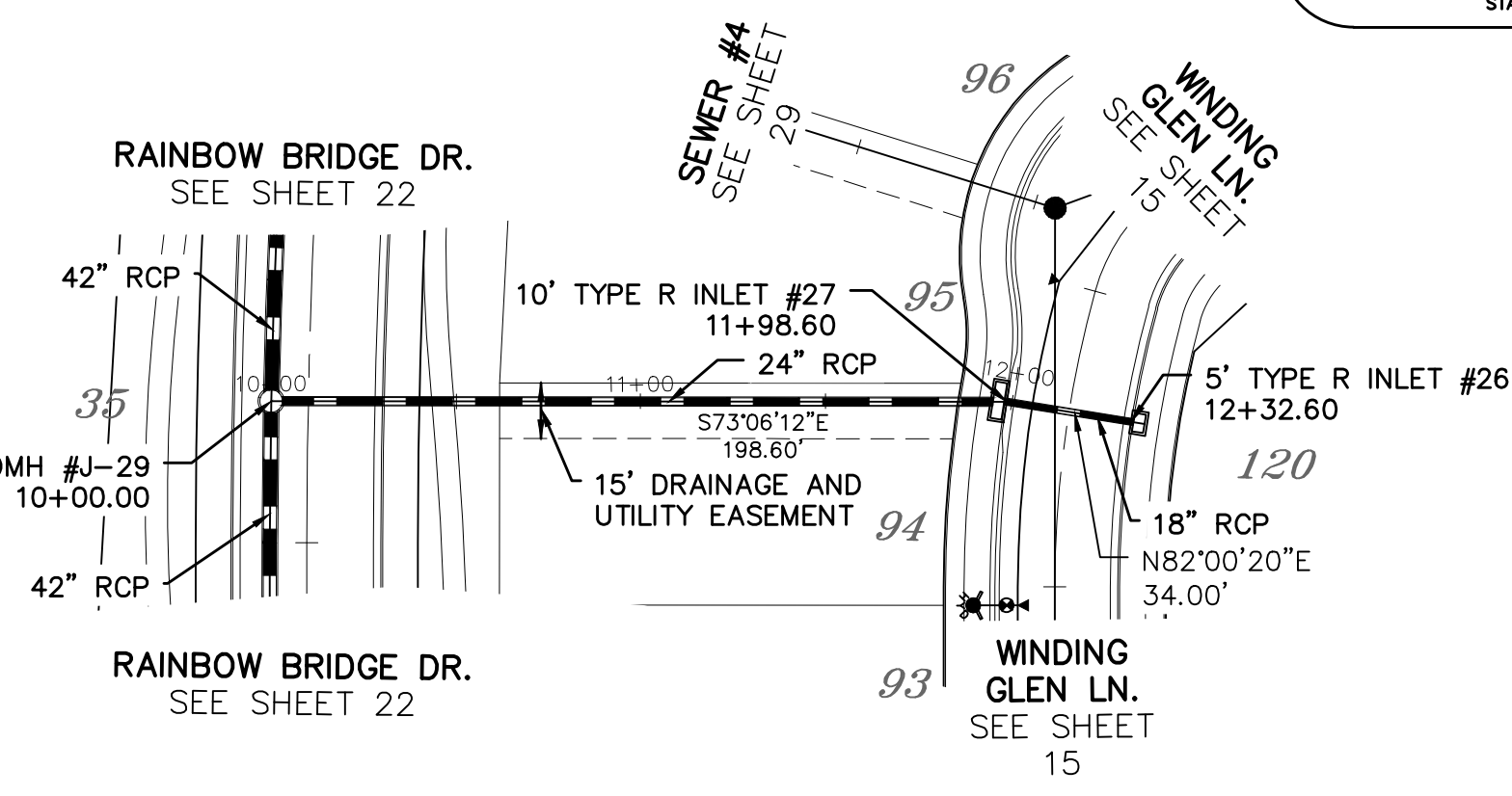
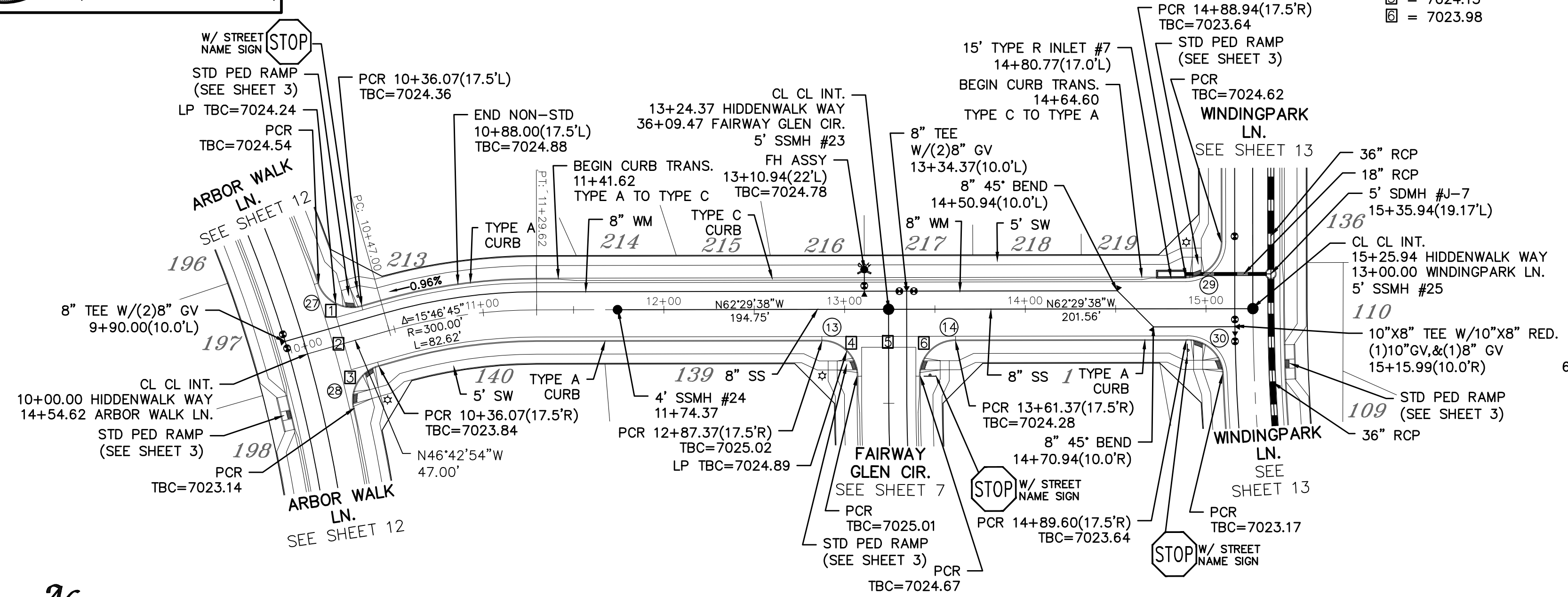
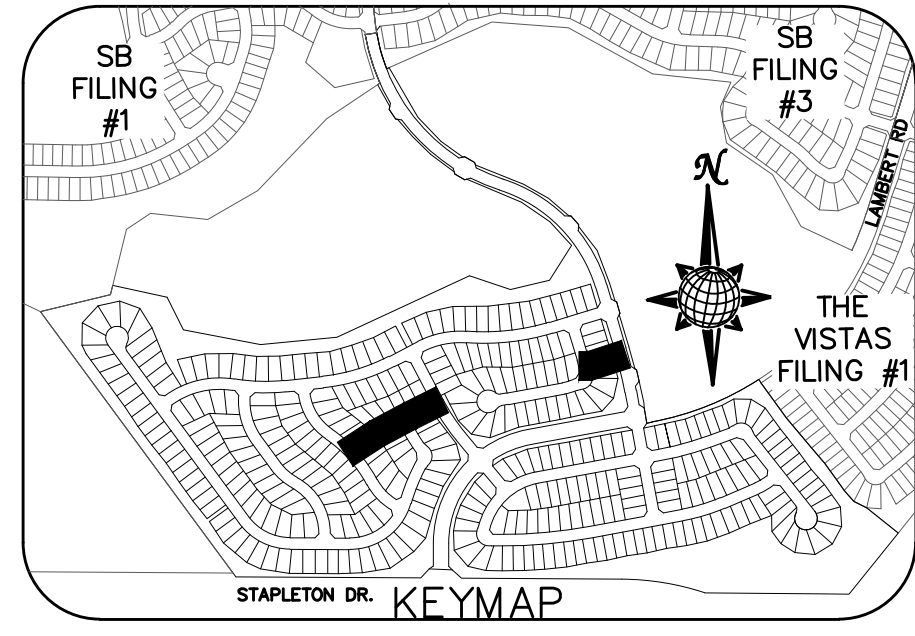
Scale
AS SHOWN
12 of 55

JAN 2018

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

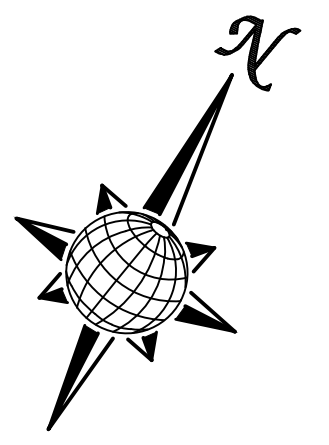
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

- INSTALL CROSS PAN
PER COUNTY STD
SD-2-26
- 1 = 7023.67
 - 2 = 7023.34
 - 3 = 7023.00
 - 4 = 7024.32
 - 5 = 7024.15
 - 6 = 7023.98



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"

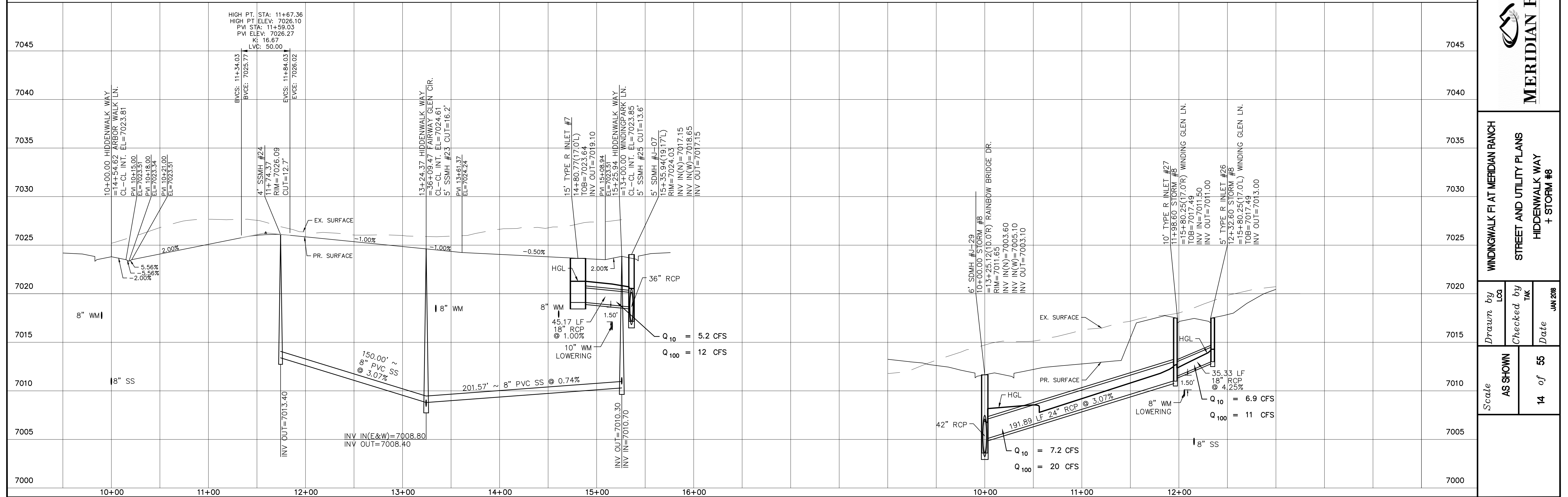
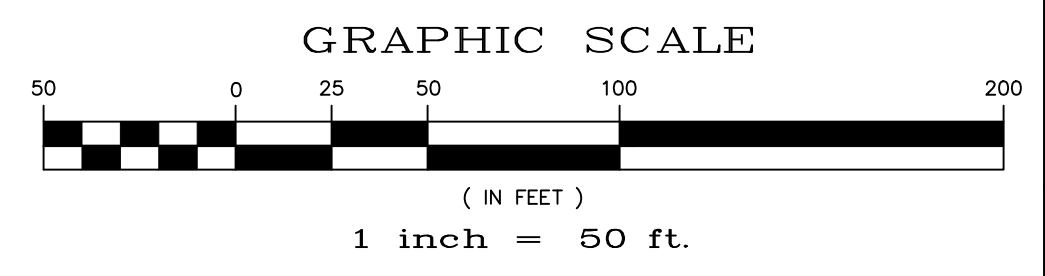
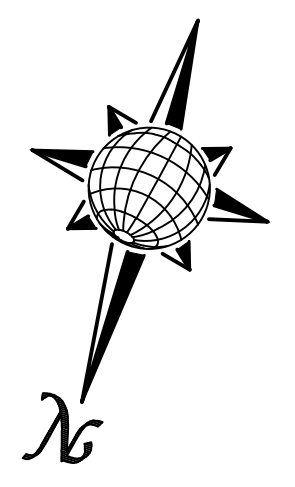
ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)



HIDDENWALK WAY

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

STORM #8



No.	Revisions	Date	Appr.	Date

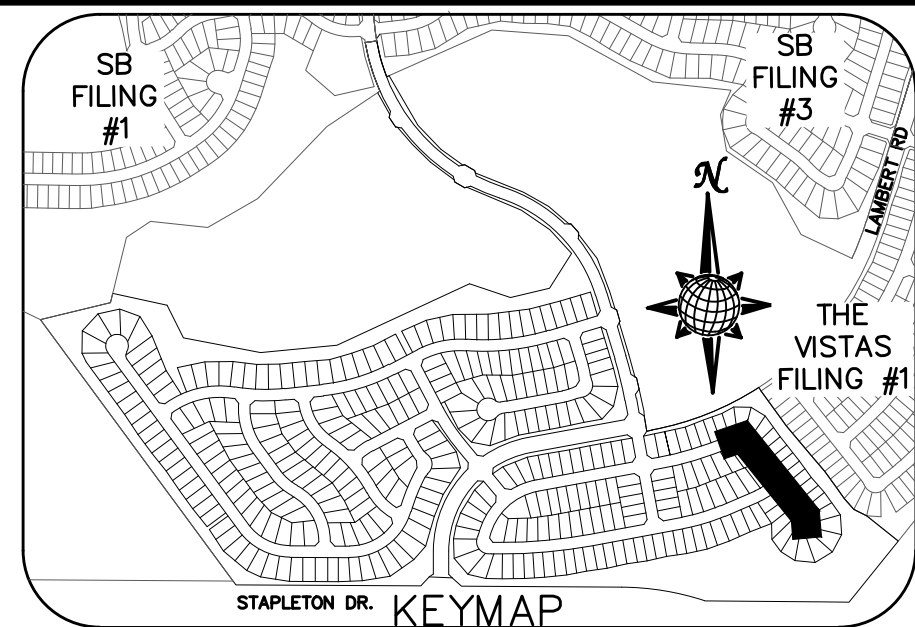
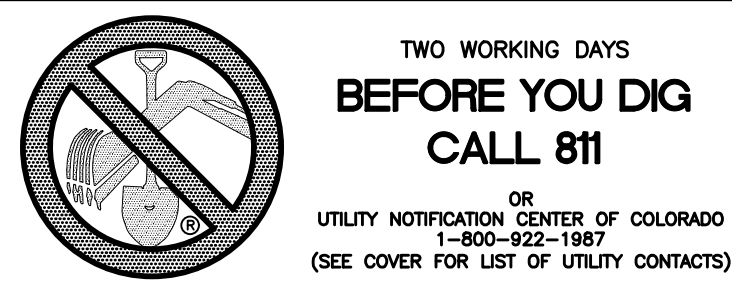
TECH CONTRACTORS
11886 STAPLETON DRIVE
FALCON, CO 80831
TELEPHONE: 719.495.7444
FAX: 719.495.2457



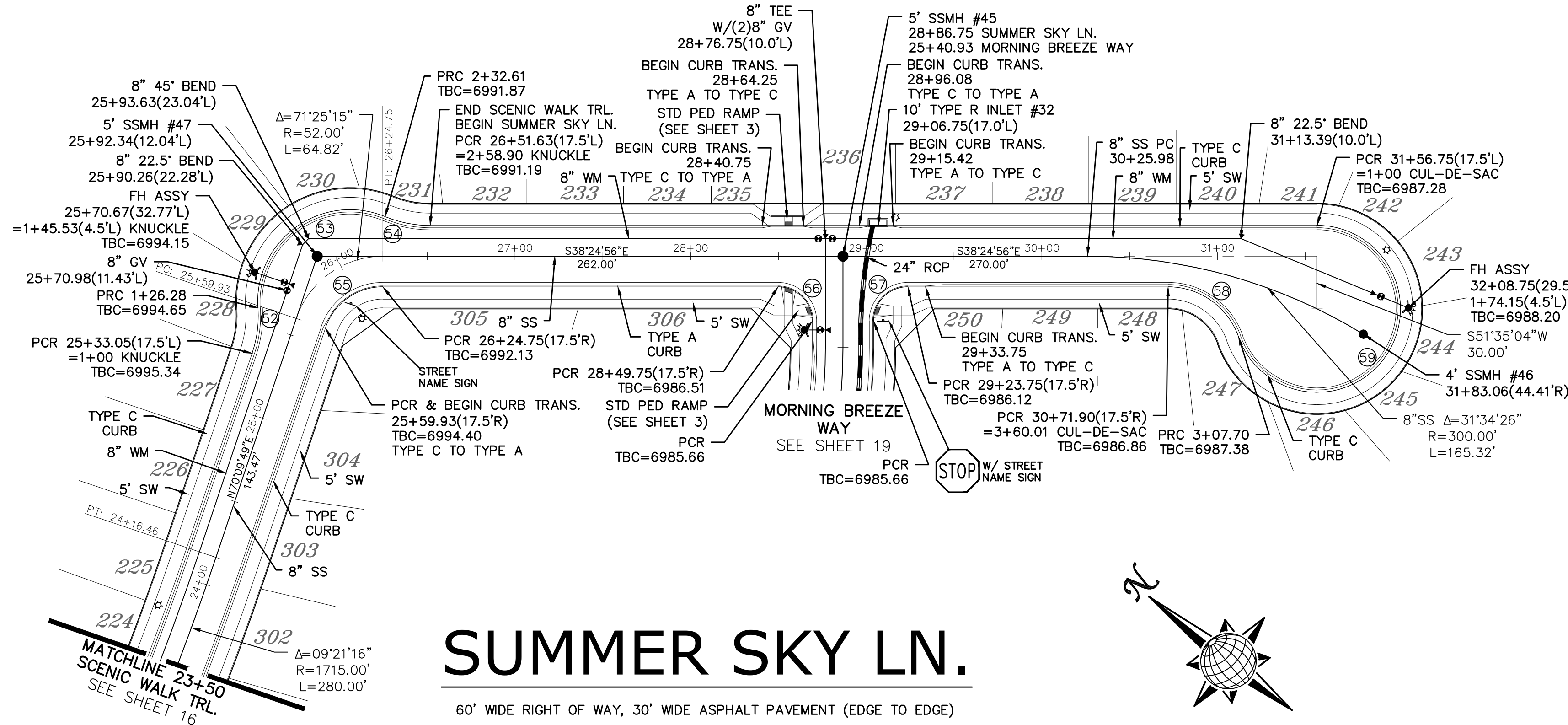
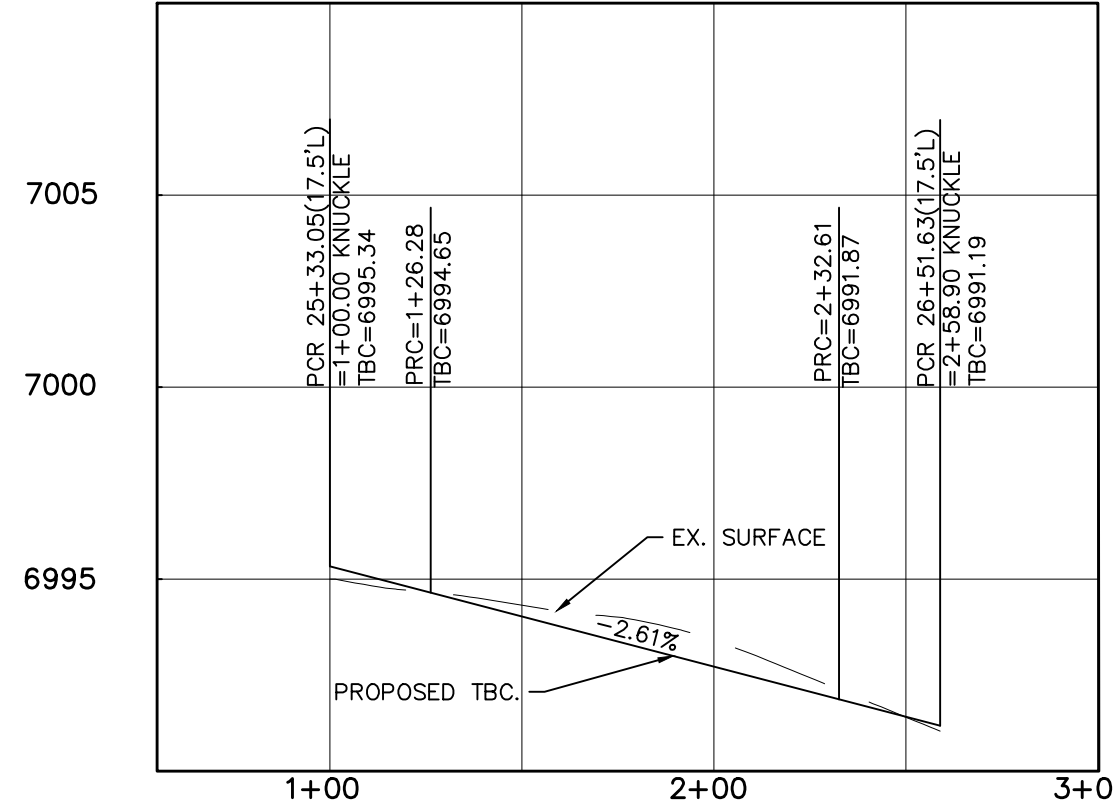
WINDINGWALK FLAT MERIDIAN RANCH
STREET AND UTILITY PLANS
HIDDENWALK WAY
+ STORM #8

Drawn by
Checked by
Date
JUN 2018

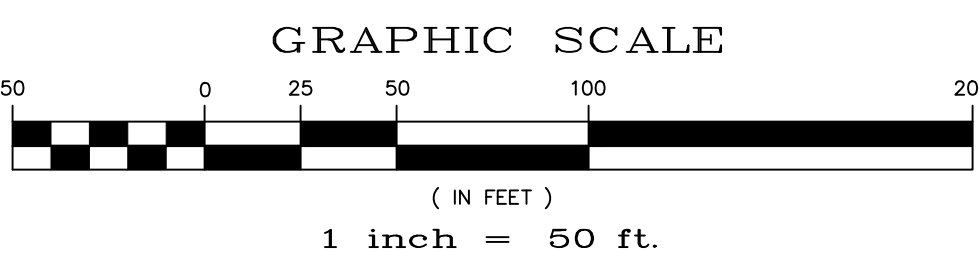
Scale
AS SHOWN
14 of 55



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

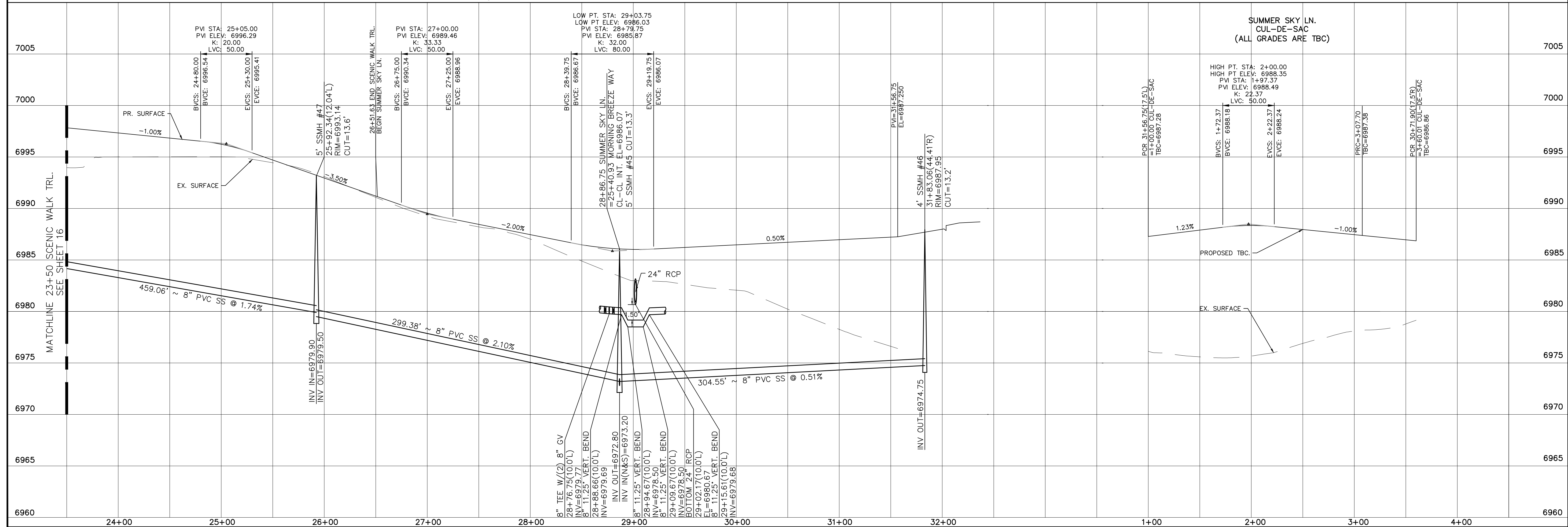
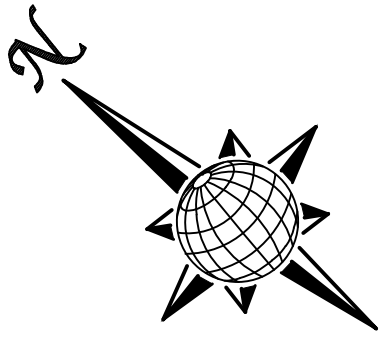


CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
52	26.28'	67.50'	22°18'38"
53	106.33'	52.50'	116°02'31"
54	26.28'	67.50'	22°18'38"
55	43.01'	34.50'	71°25'15"
56	30.63'	19.50'	90°00'00"
57	30.63'	19.50'	90°00'00"
58	52.32'	42.50'	70°31'44"
59	207.70'	47.50'	250°31'44"



SUMMER SKY LN.

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



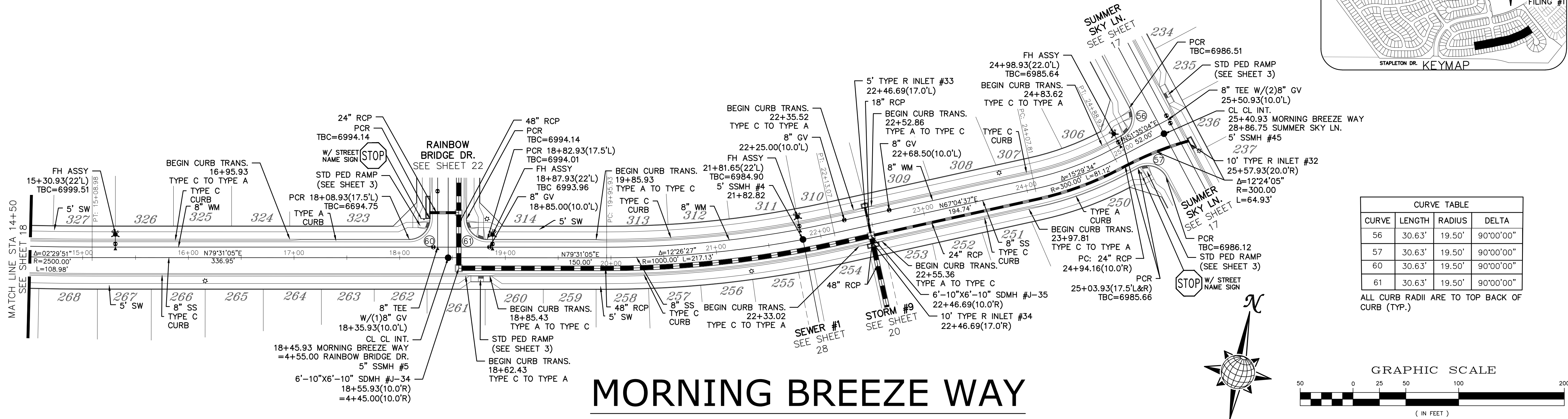
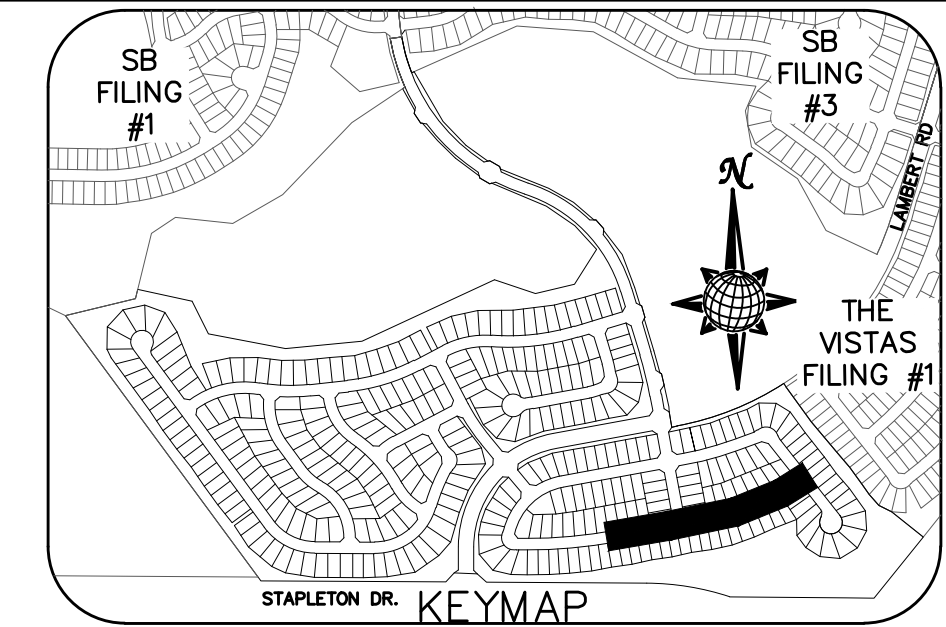
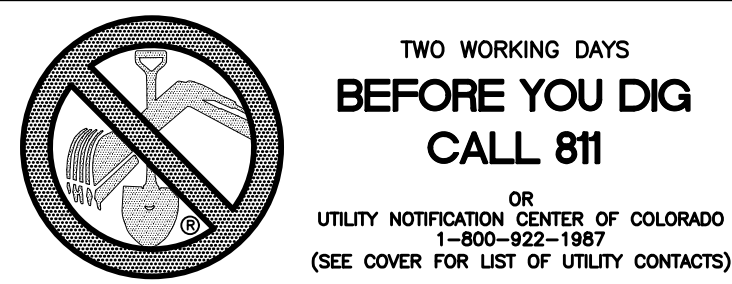
No.	Revisions	Date	Instr.	Appr.	Date

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



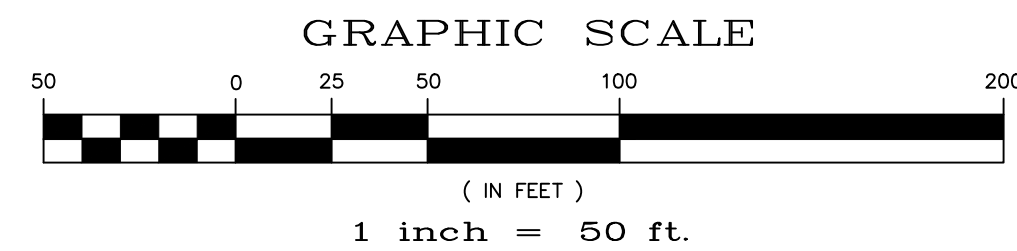
WINDINGWALK FLAT MERIDIAN RANCH
STREET AND UTILITY PLANS
SUMMER SKY LN.

Scale AS SHOWN
Drawn by LCA
Checked by TAK
Date JAN 2018
17 of 55



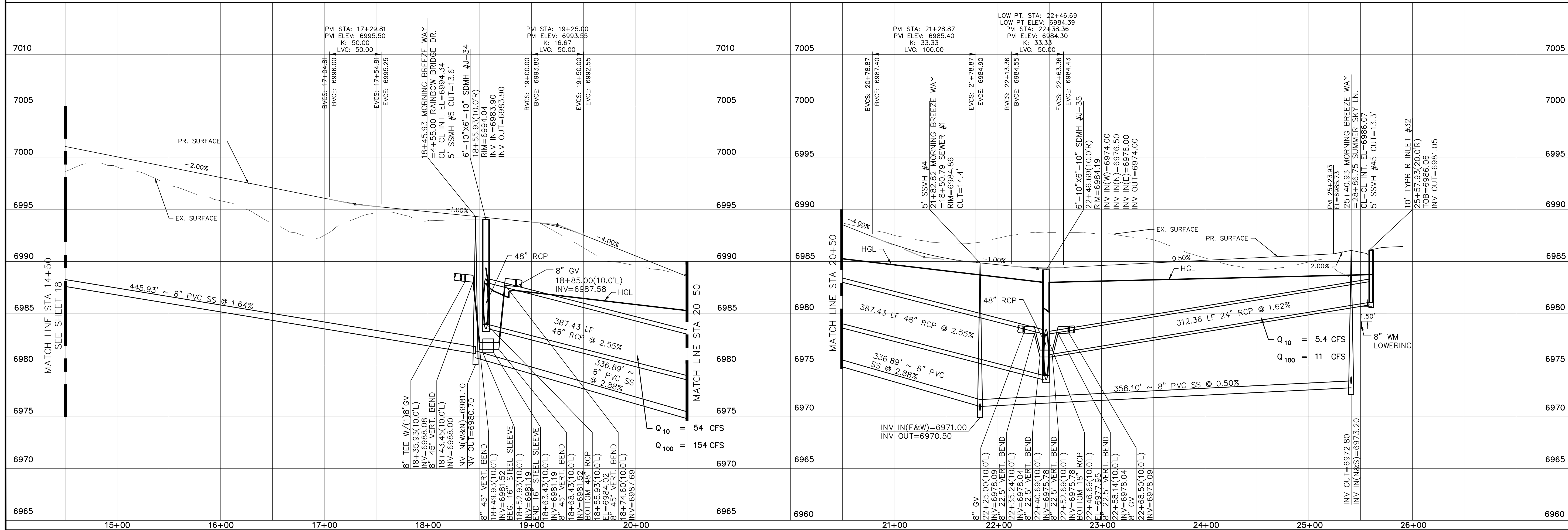
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
56	30.63'	19.50'	90°00'00"
57	30.63'	19.50'	90°00'00"
60	30.63'	19.50'	90°00'00"
61	30.63'	19.50'	90°00'00"

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

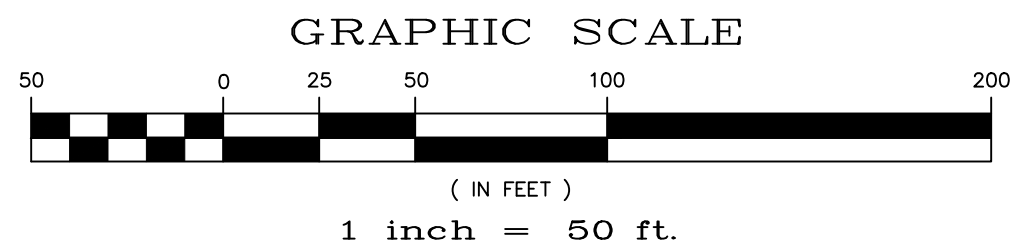
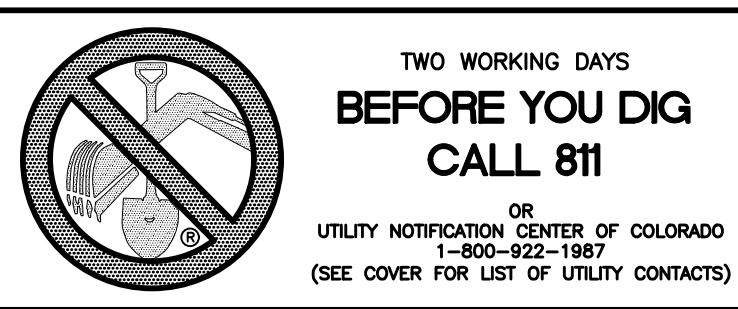


MORNING BREEZE WAY

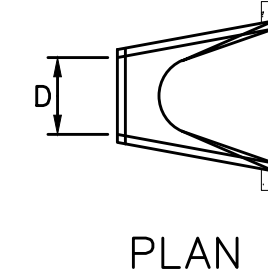
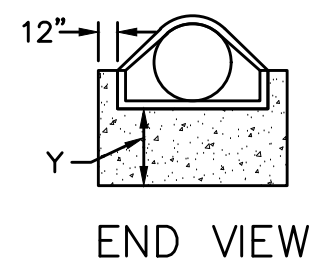
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



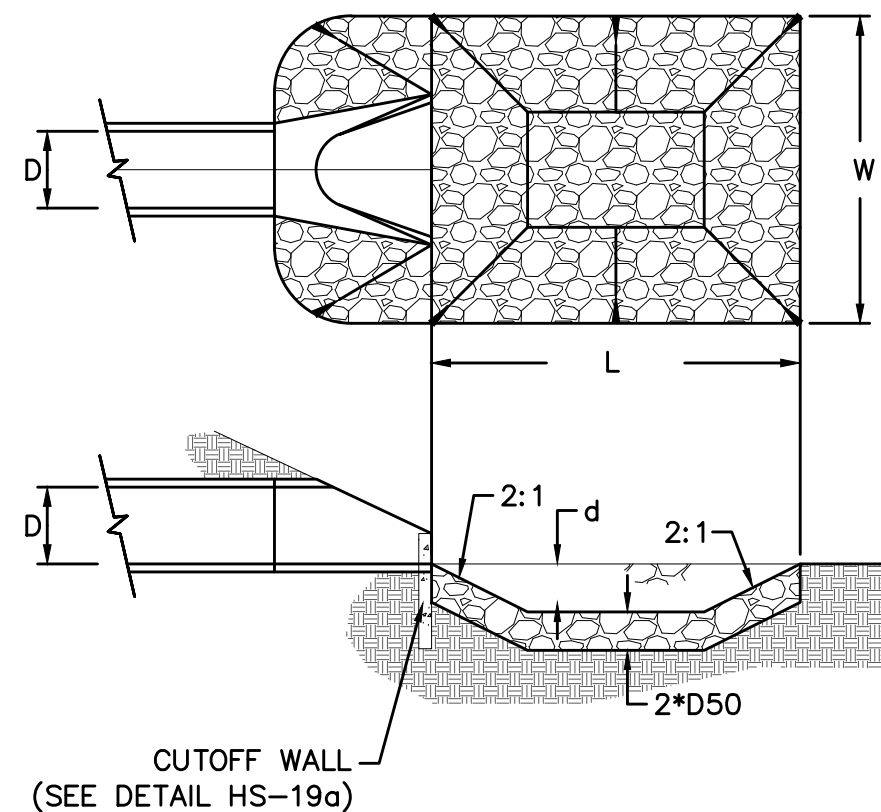
Drawn by	LOG	Checked by	TAK	Date	JAN 2018
Scale	AS SHOWN	19	of	55	
WINDINGWALK FLAT MERIDIAN RANCH STREET AND UTILITY PLANS MORNING BREEZE WAY					
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
MERIDIAN RANCH					
Date	Appr.	Instr.	Date	Revisions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



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



PROFILE



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

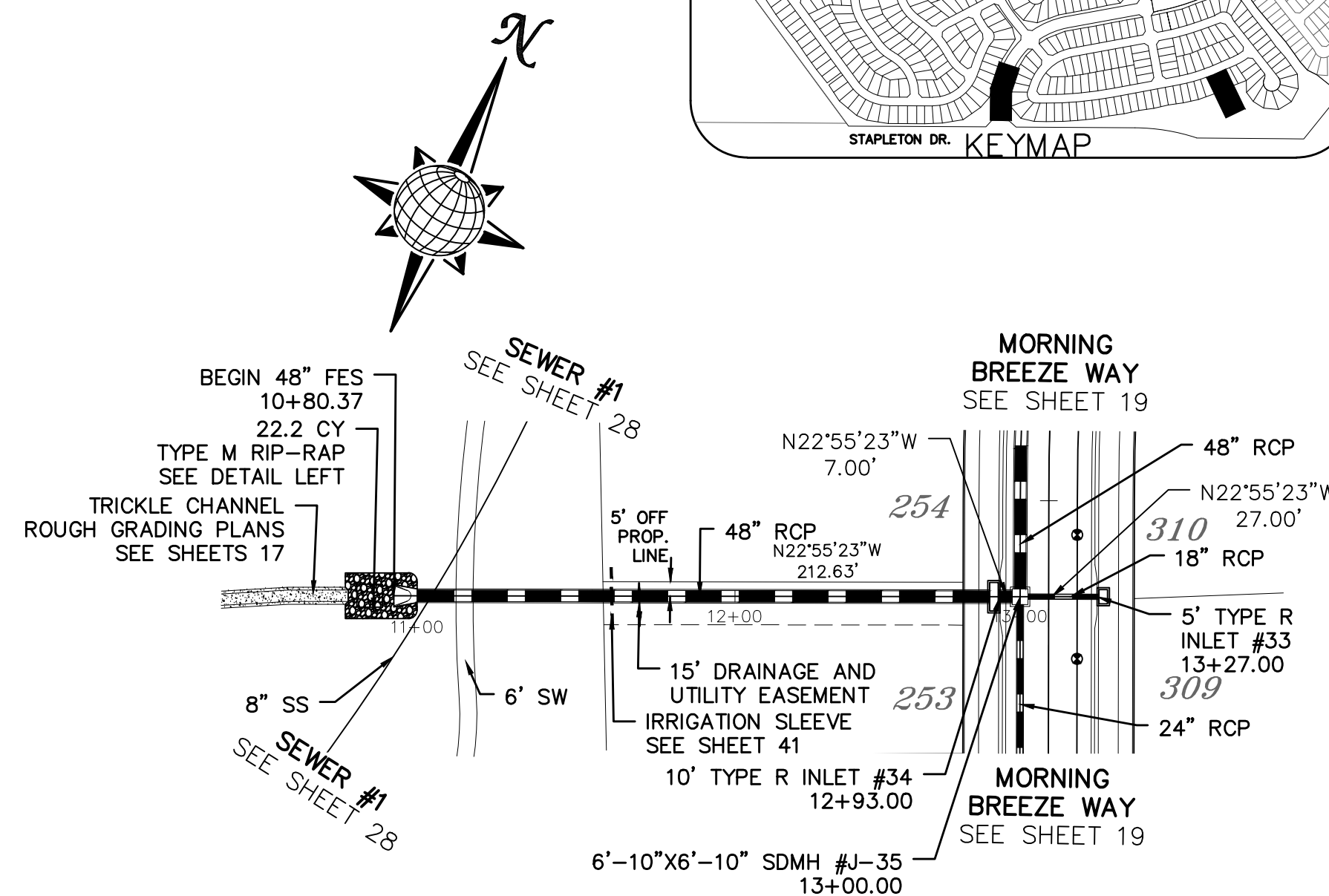
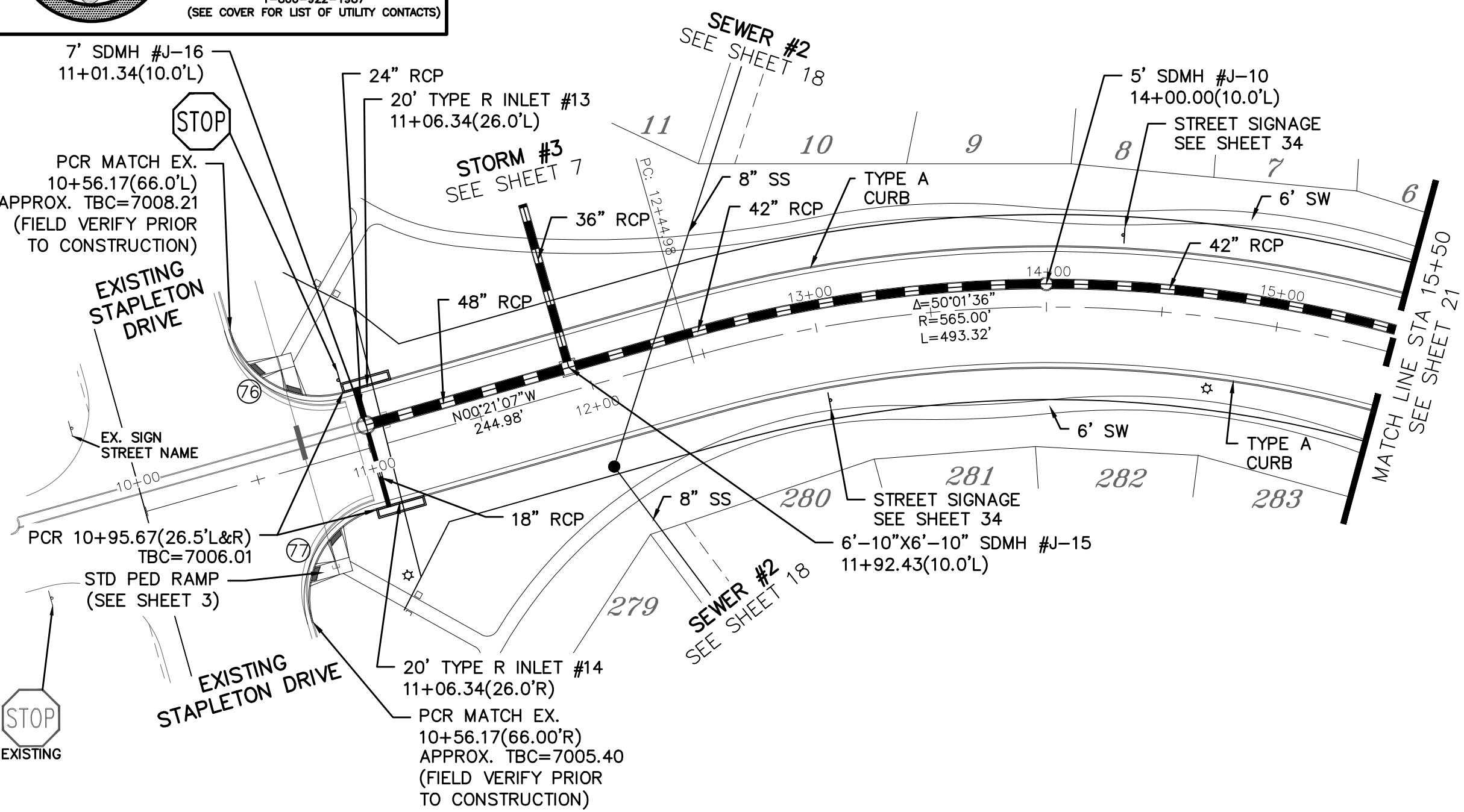
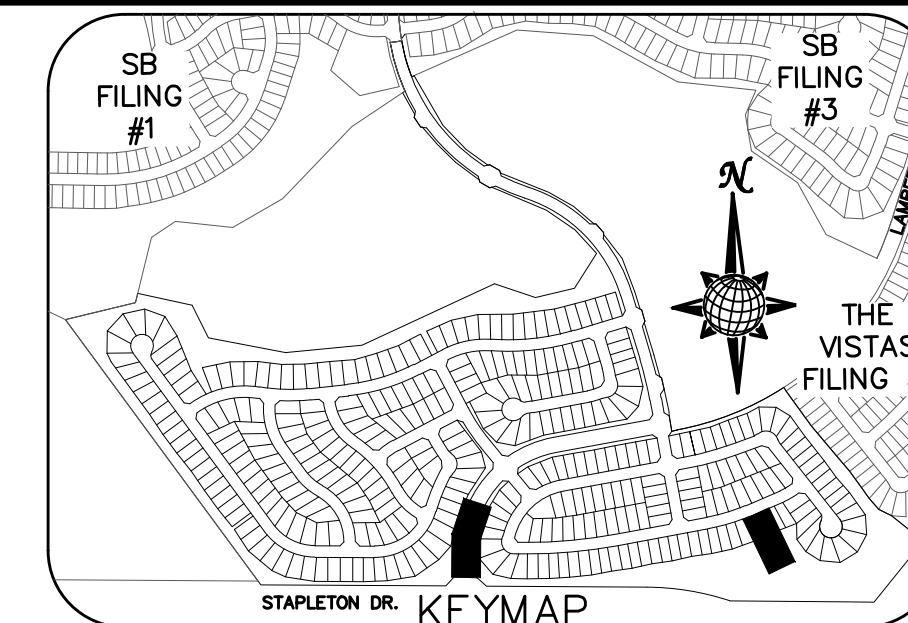
STORM #1
STORM #9

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

CURVE TABLE

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

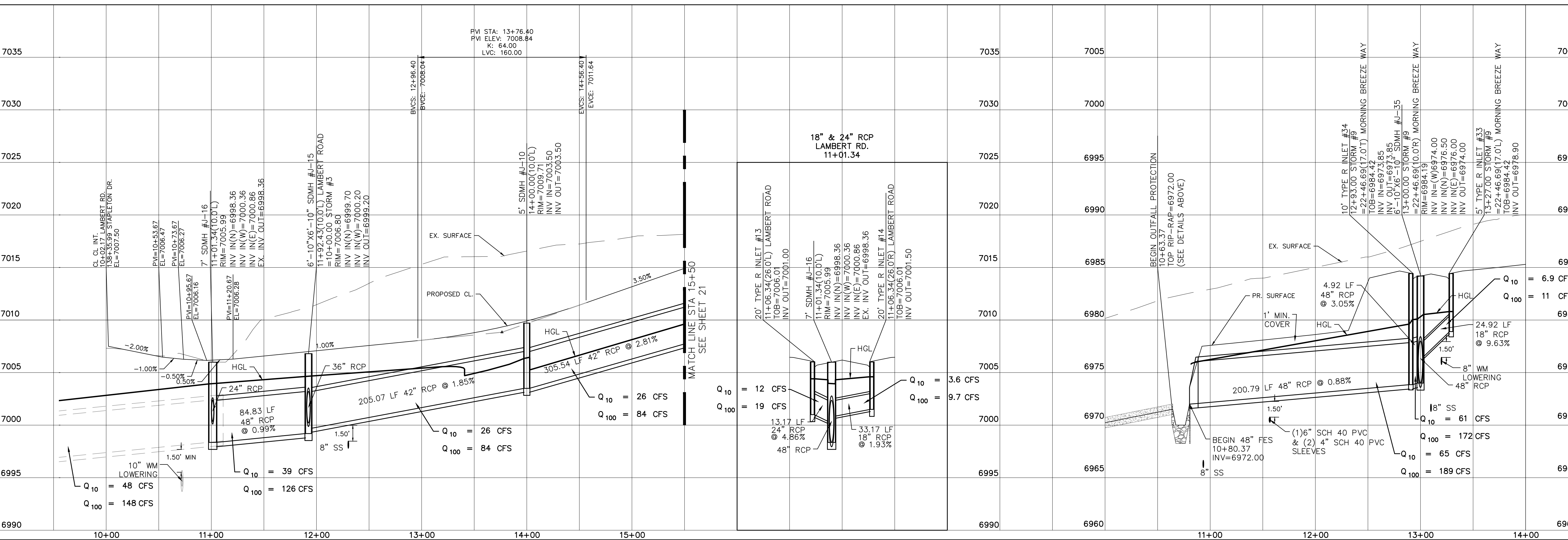
ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)



LAMBERT RD.

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

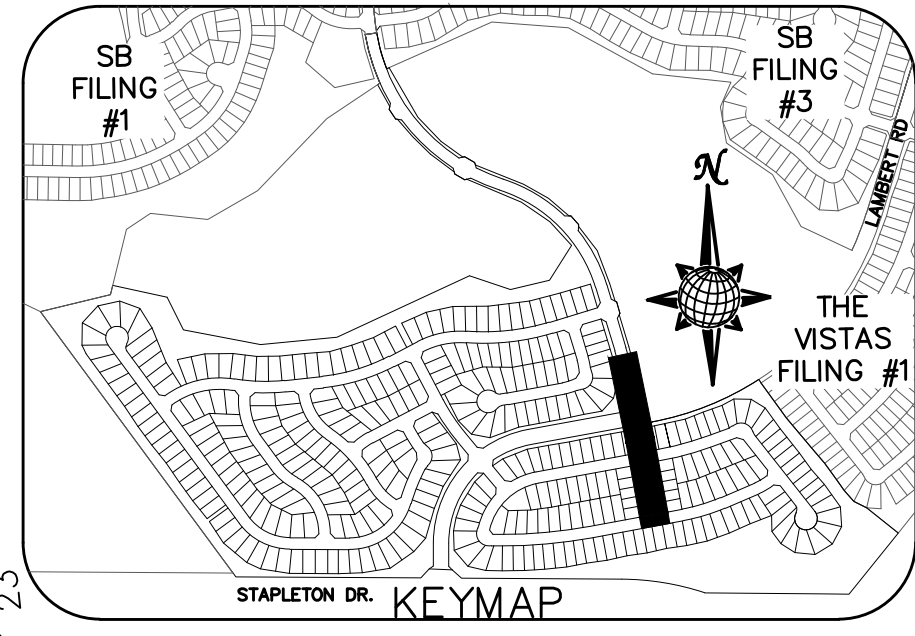
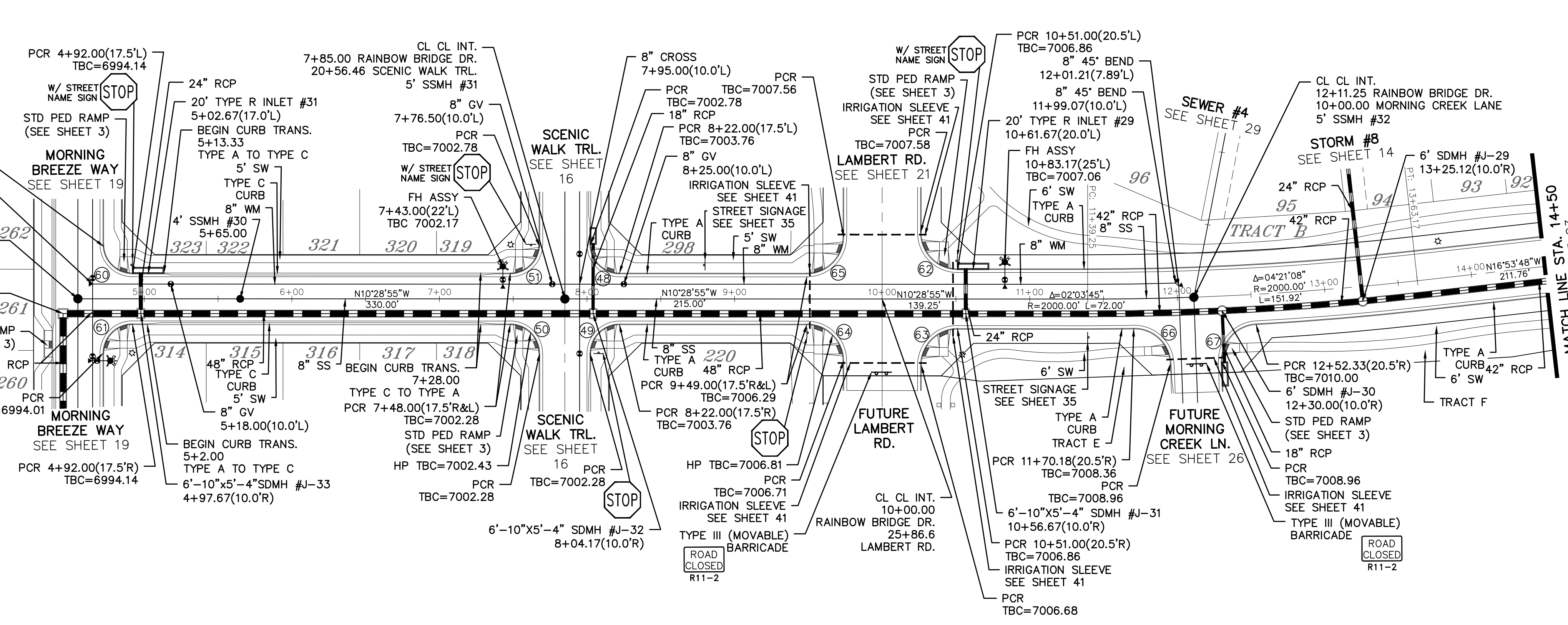
STORM #9



Drawn by	LOG	Checked by	TAK	Date	JAN 2018
Scale	AS SHOWN	20 of	55		
WINDINGWALK FLAT MERIDIAN RANCH STREET AND UTILITY PLANS LAMBERT RD. + STORM #9					
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
No.	Revisions	Date	Appr.	Date	

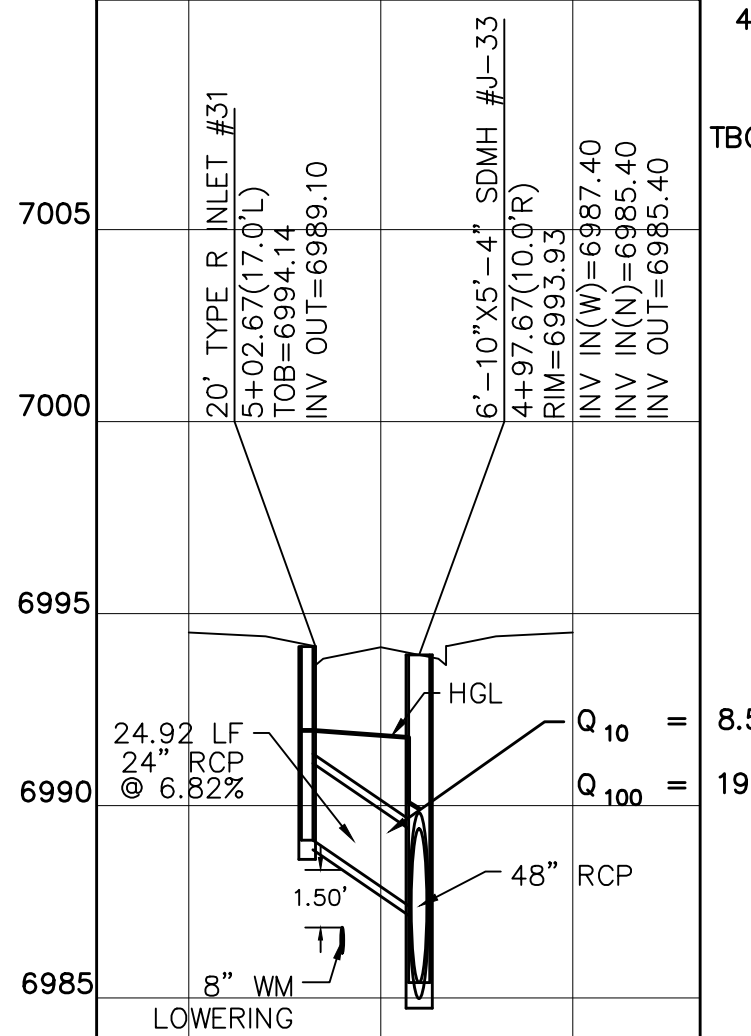
TWO WORKING DAYS BEFORE YOU DIG CALL 811

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



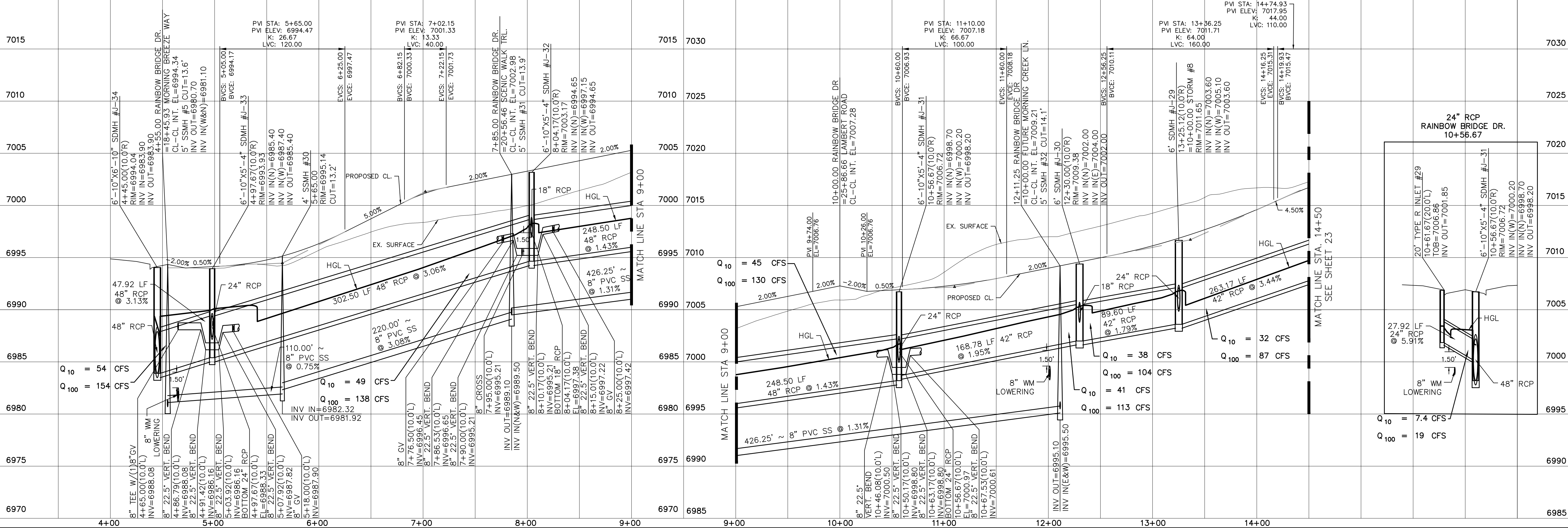
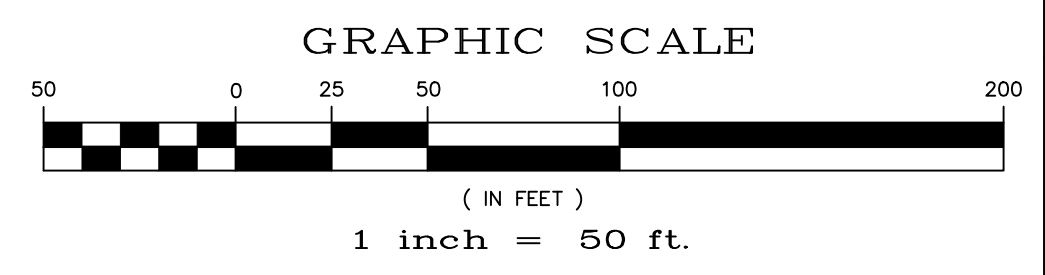
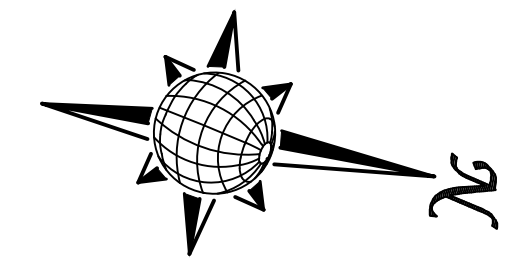
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
48	30.63'	19.50'	90°00'00"
49	30.63'	19.50'	90°00'00"
50	30.63'	19.50'	90°00'00"
51	30.63'	19.50'	90°00'00"
60	30.63'	19.50'	90°00'00"
61	30.63'	19.50'	90°00'00"
62	38.48'	24.50'	90°00'00"
63	38.48'	24.50'	90°00'00"
64	38.48'	24.50'	90°00'00"
65	38.48'	24.50'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

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



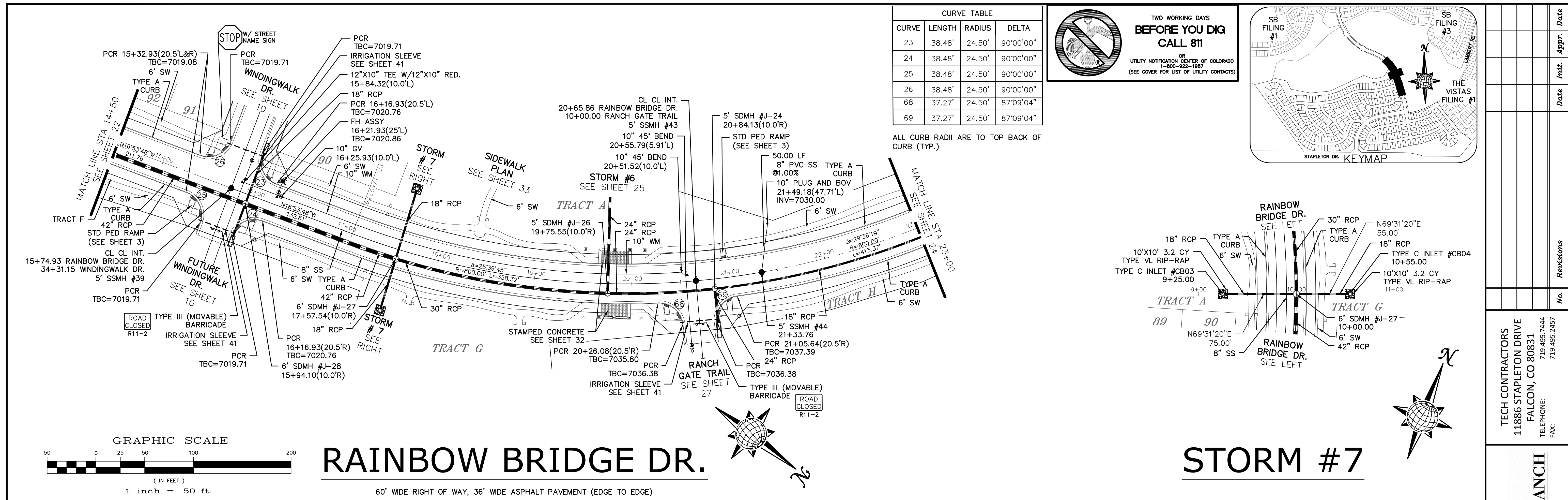
RAINBOW BRIDGE DR.

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



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

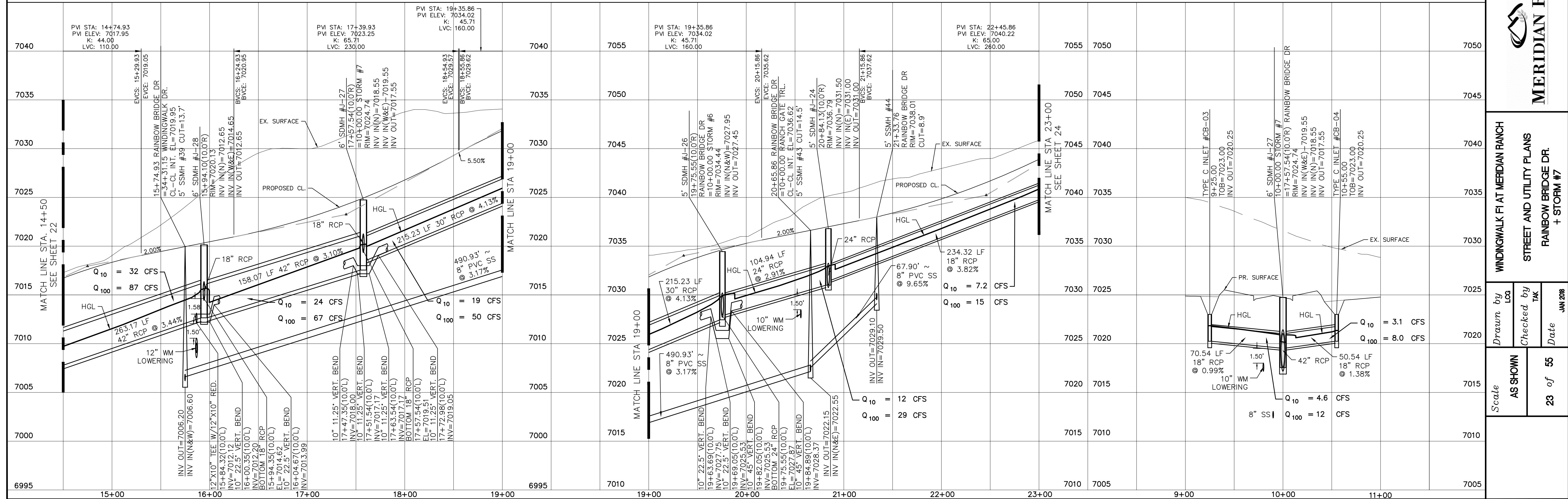




RAINBOW BRIDGE DR.

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



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

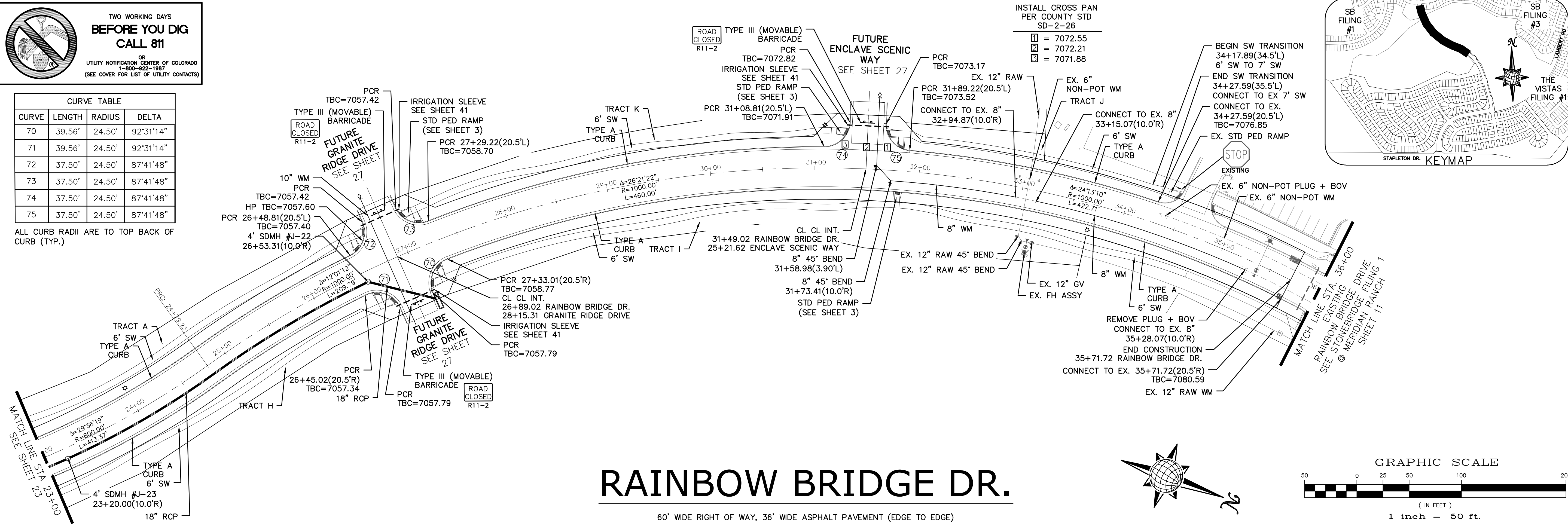
Scale: AS SHOWN
 Drawn by: LGA
 Checked by: TAK
 Date: JUN 2018
 23 of 55

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)

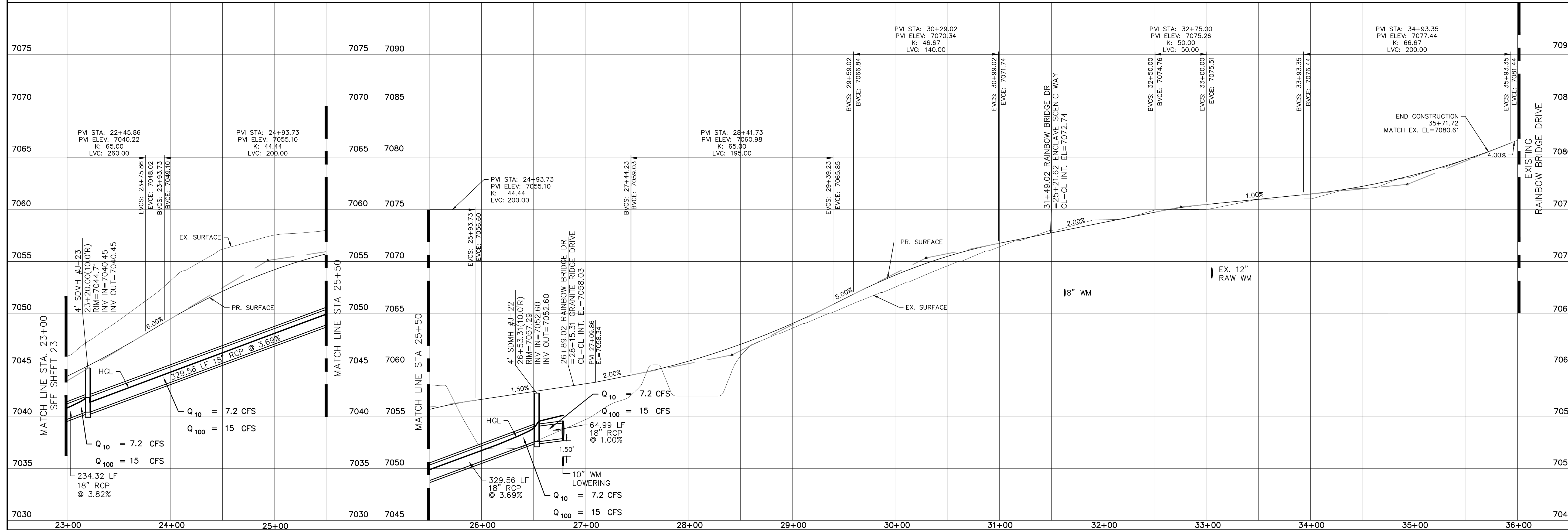
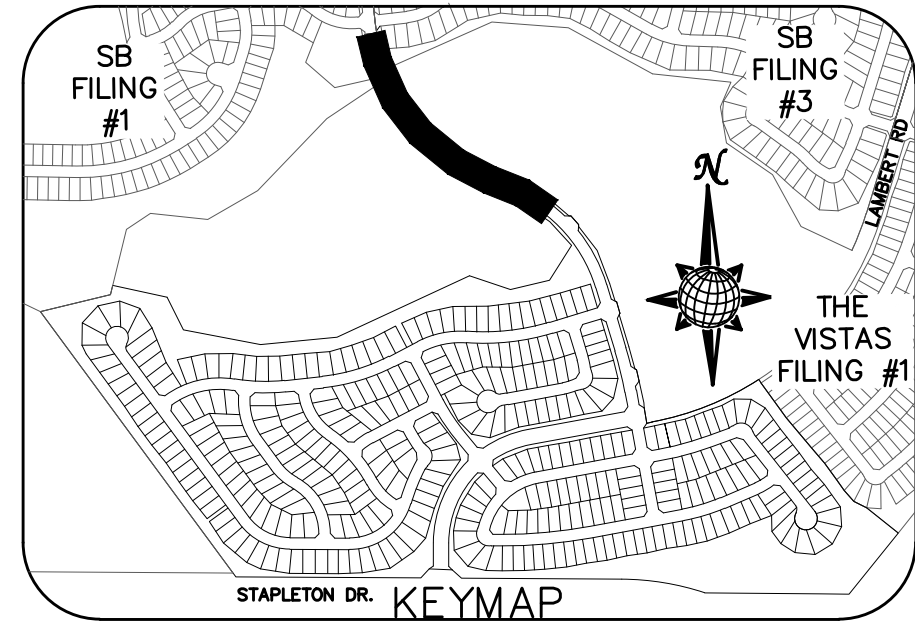
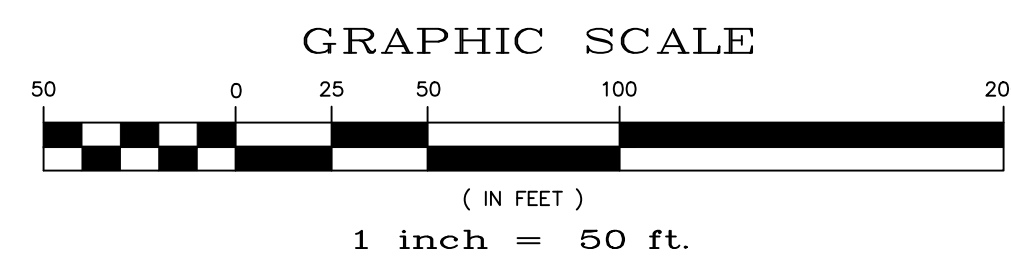
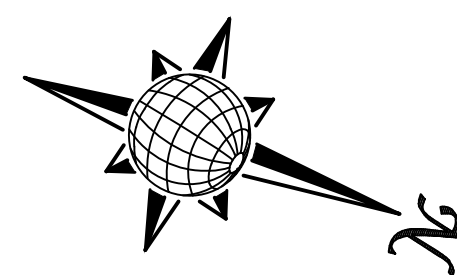
CURVE	LENGTH	RADIUS	DELTA
70	39.56'	24.50'	92°31'14"
71	39.56'	24.50'	92°31'14"
72	37.50'	24.50'	87°41'48"
73	37.50'	24.50'	87°41'48"
74	37.50'	24.50'	87°41'48"
75	37.50'	24.50'	87°41'48"

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

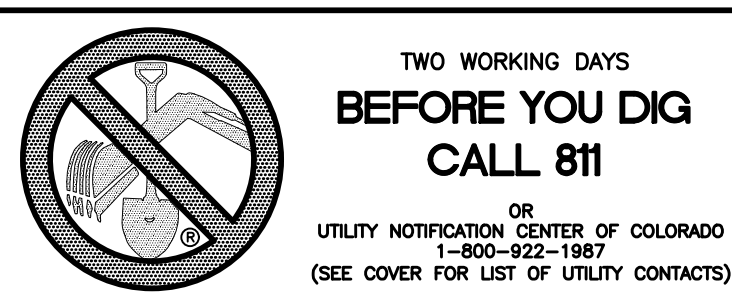


RAINBOW BRIDGE DR.

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

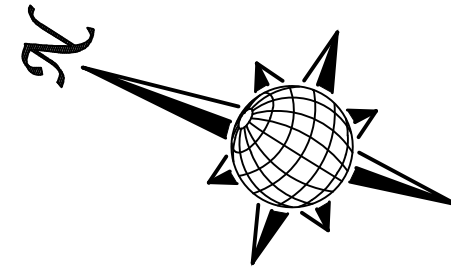
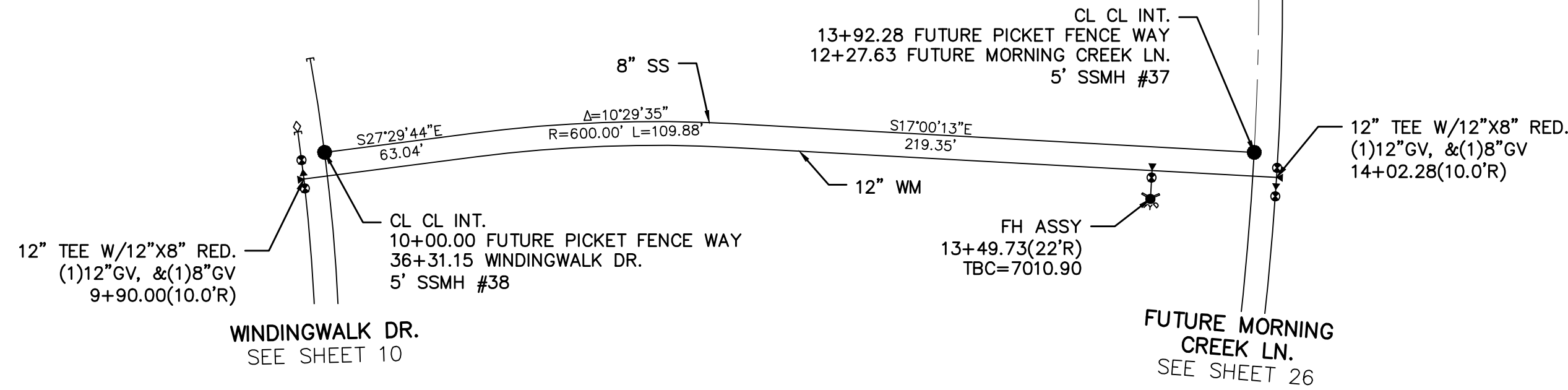


TECH CONTRACTOR 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457	Revisions	No.	Date	Appr.	Date
 MERIDIAN RANCH	Drawn by	Checked by	Date		
	AS SHOWN	TAK	JAN 2018		
Scale	24 of 55				
PCD PROJECT NO. XX-XX-XXX					



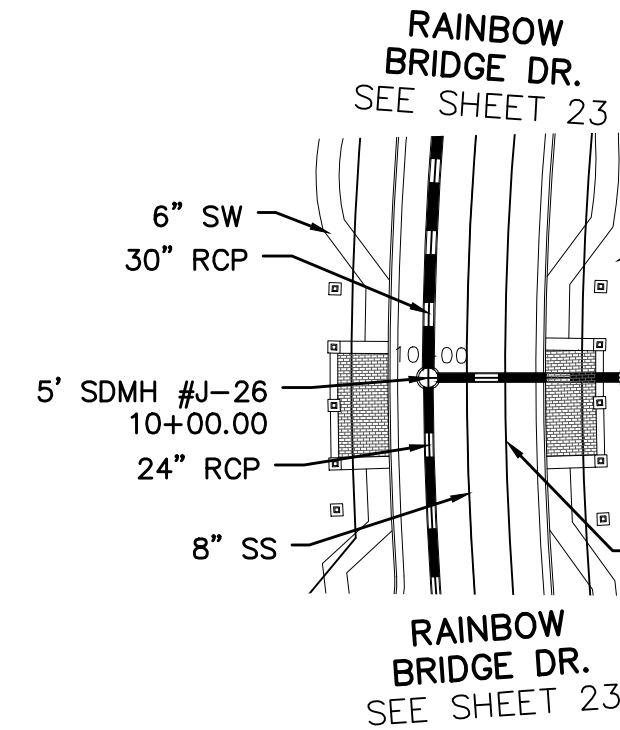
WINDINGWALK DR.
SEE SHEET 10

FUTURE MORNING CREEK LN.
SEE SHEET 26



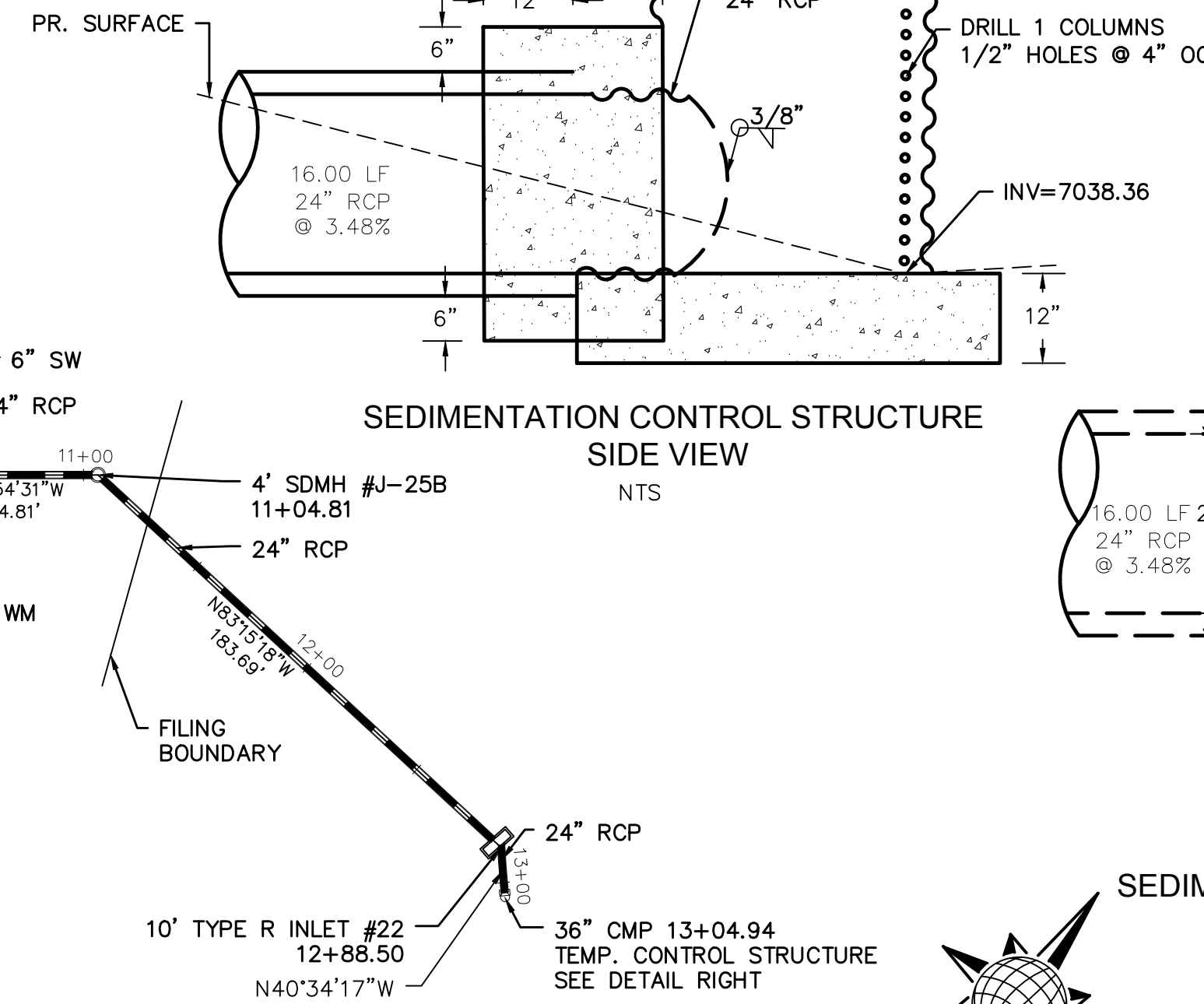
FUTURE PICKET FENCE WAY

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

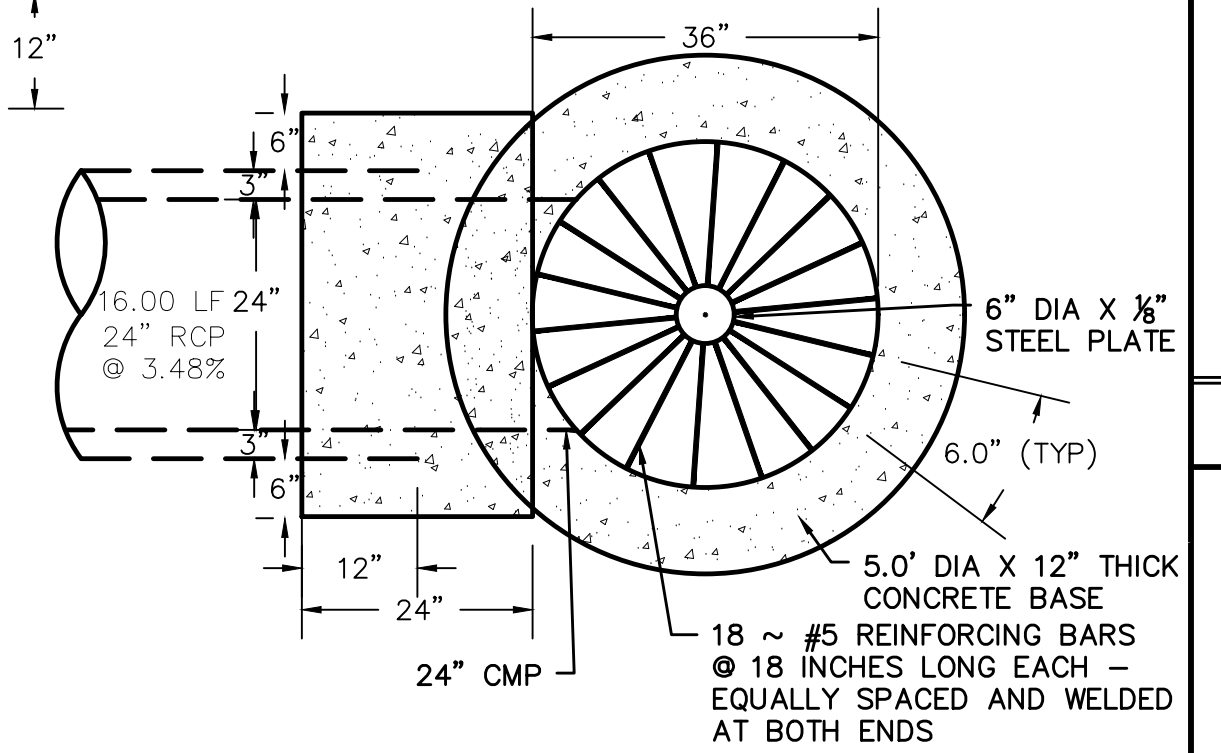


RAINBOW BRIDGE DR.
SEE SHEET 23

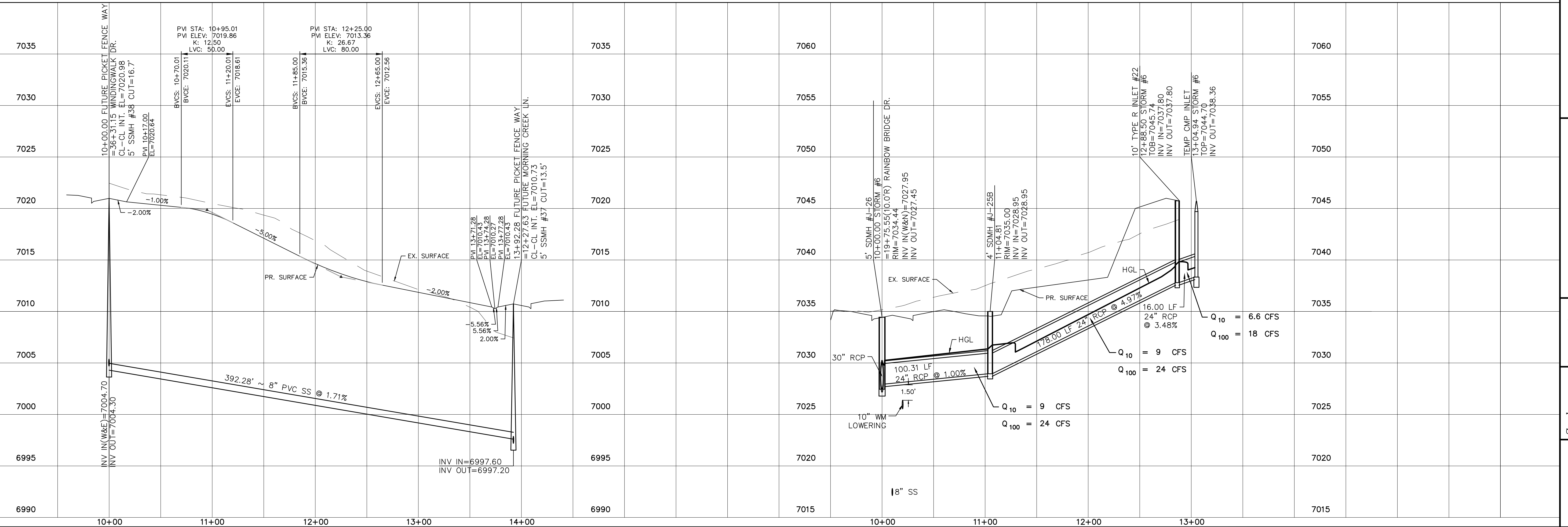
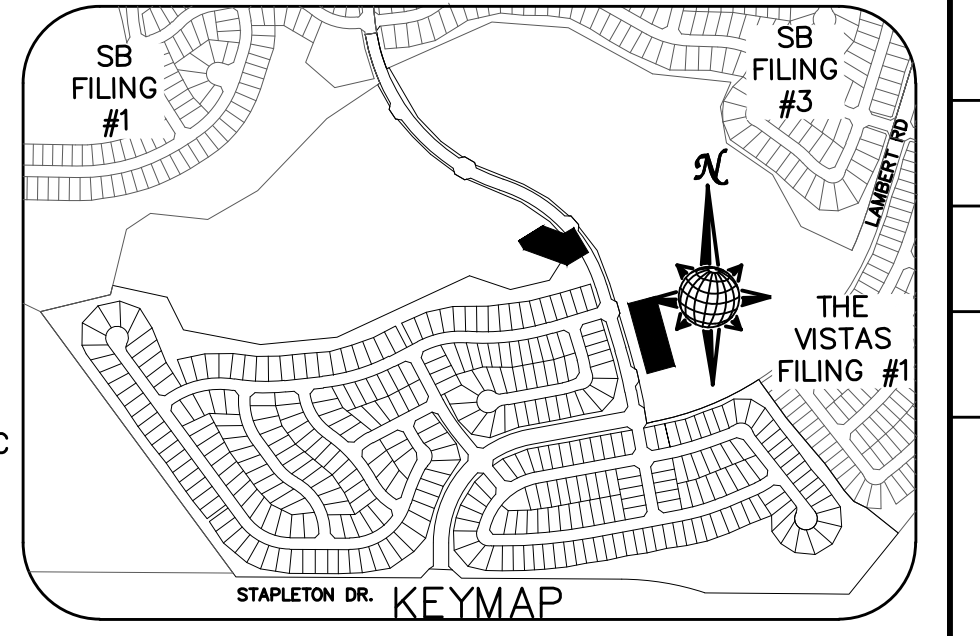
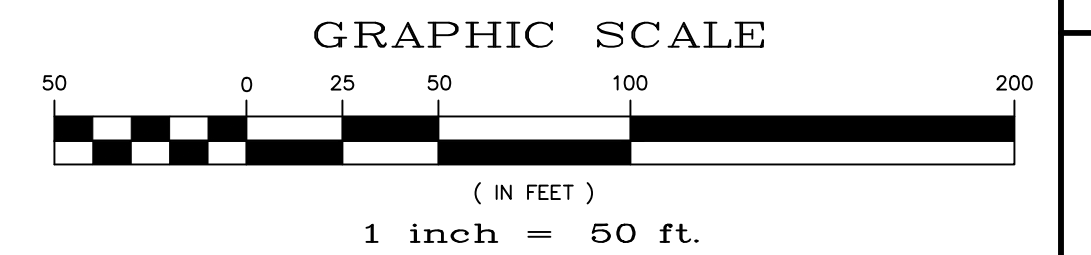
STORM #6



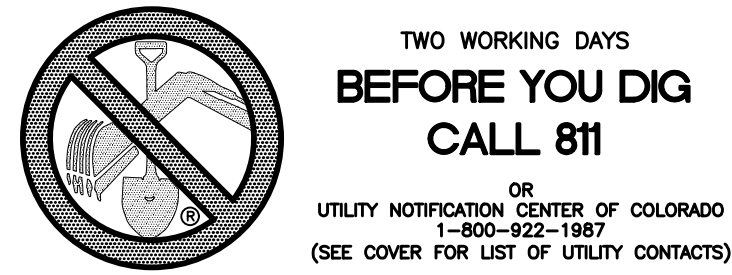
SEDIMENTATION CONTROL STRUCTURE
SIDE VIEW
NTS



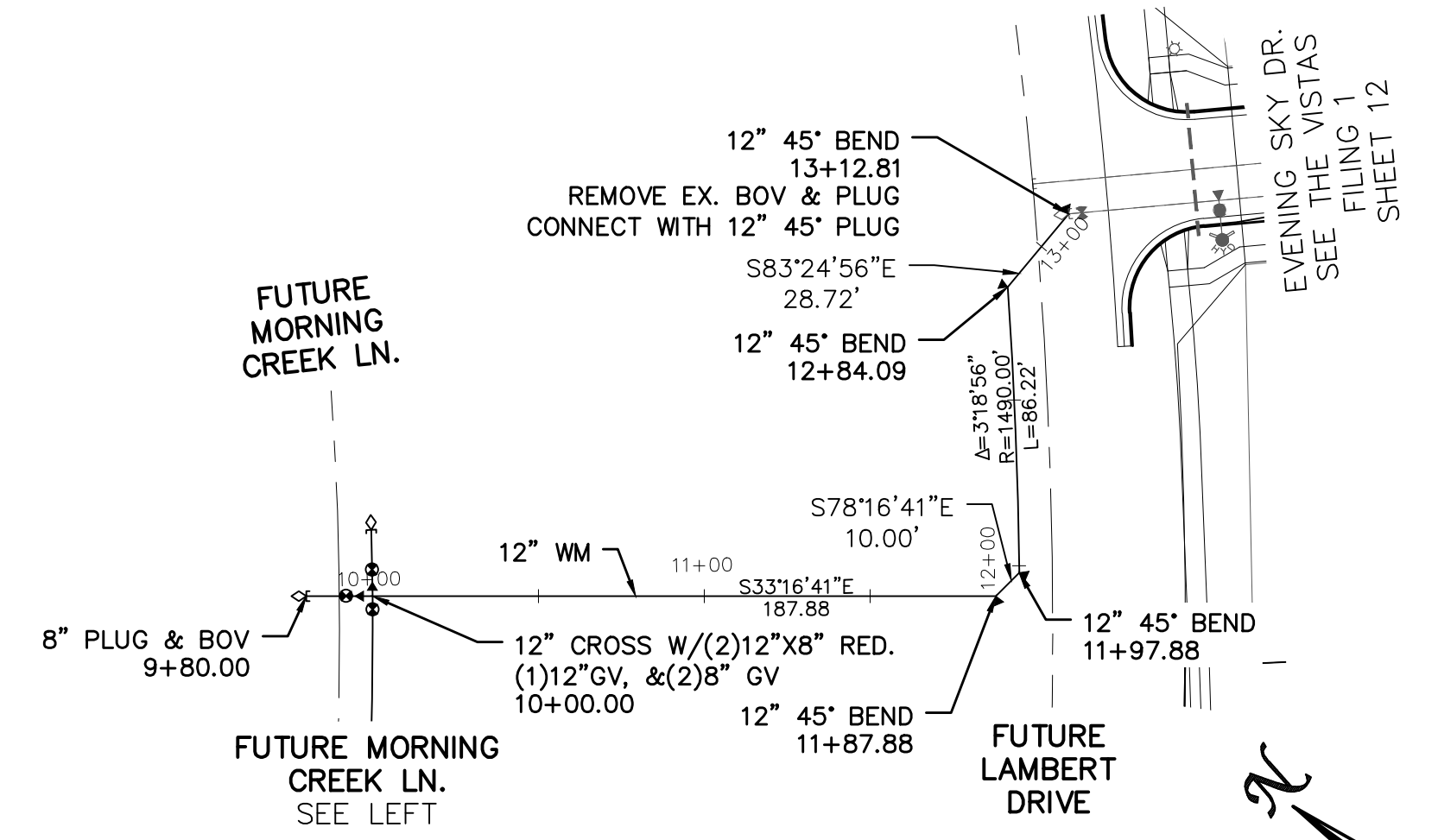
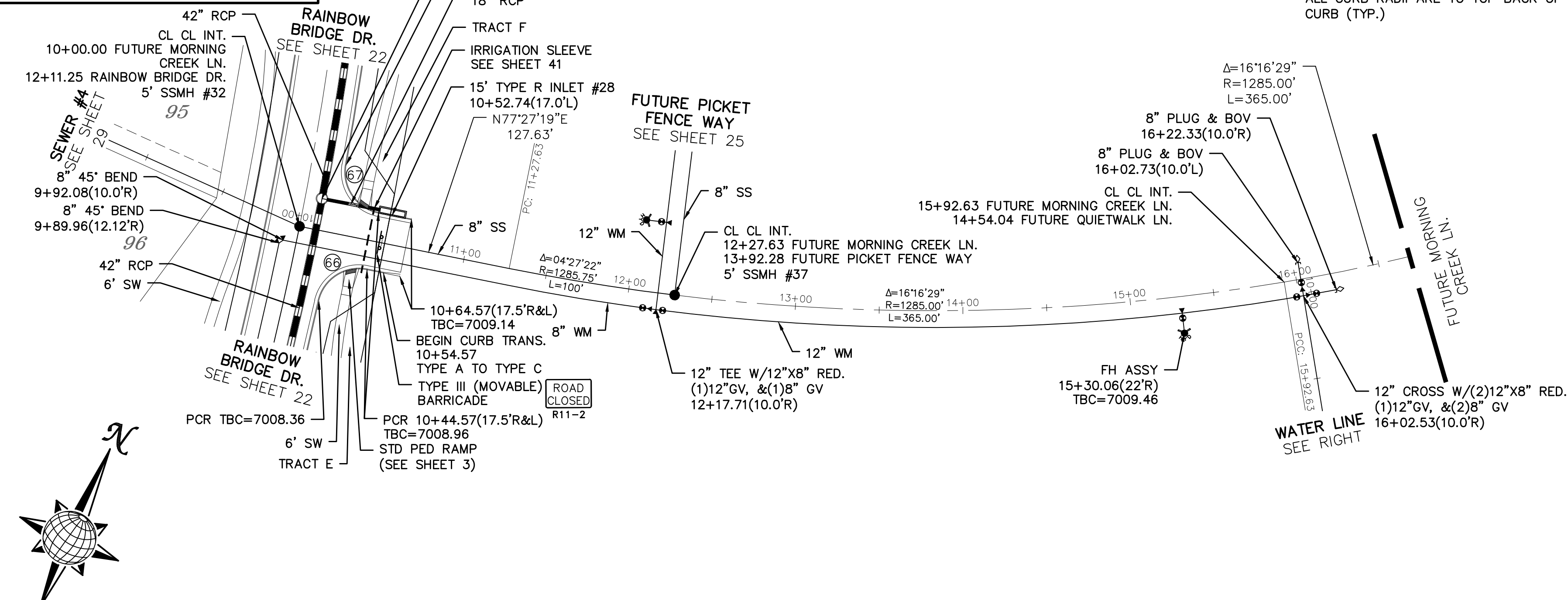
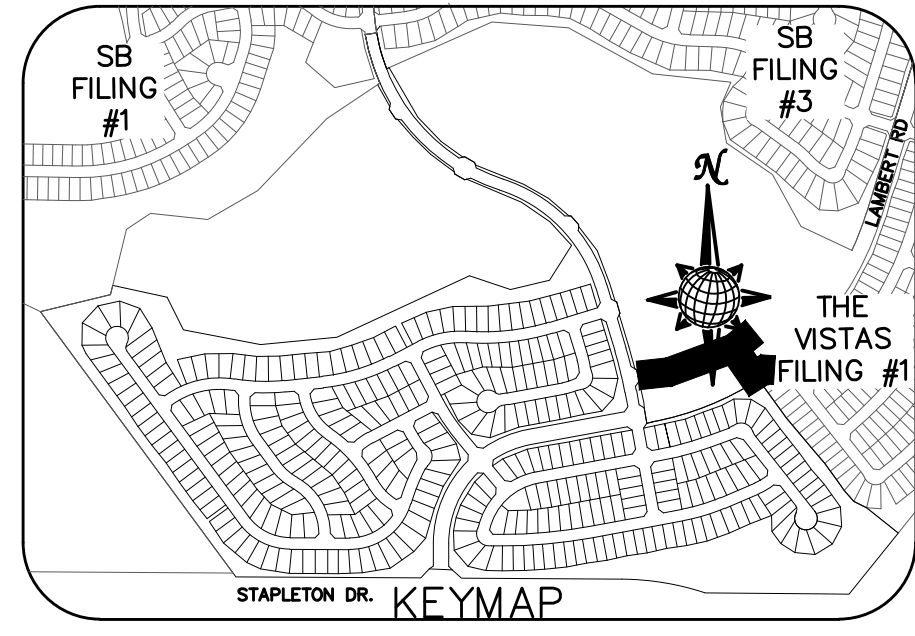
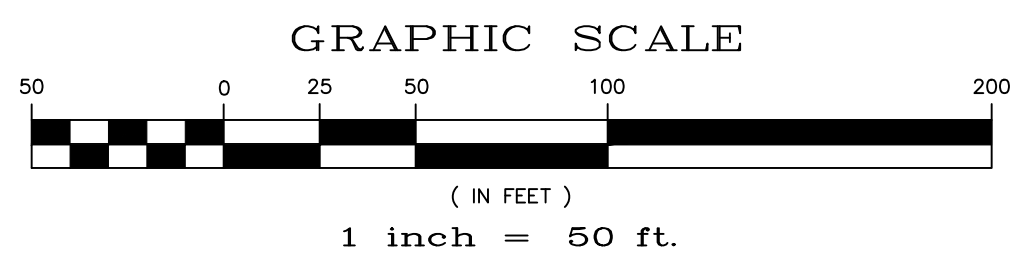
SEDIMENTATION CONTROL STRUCTURE
PLAN VIEW
NTS



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



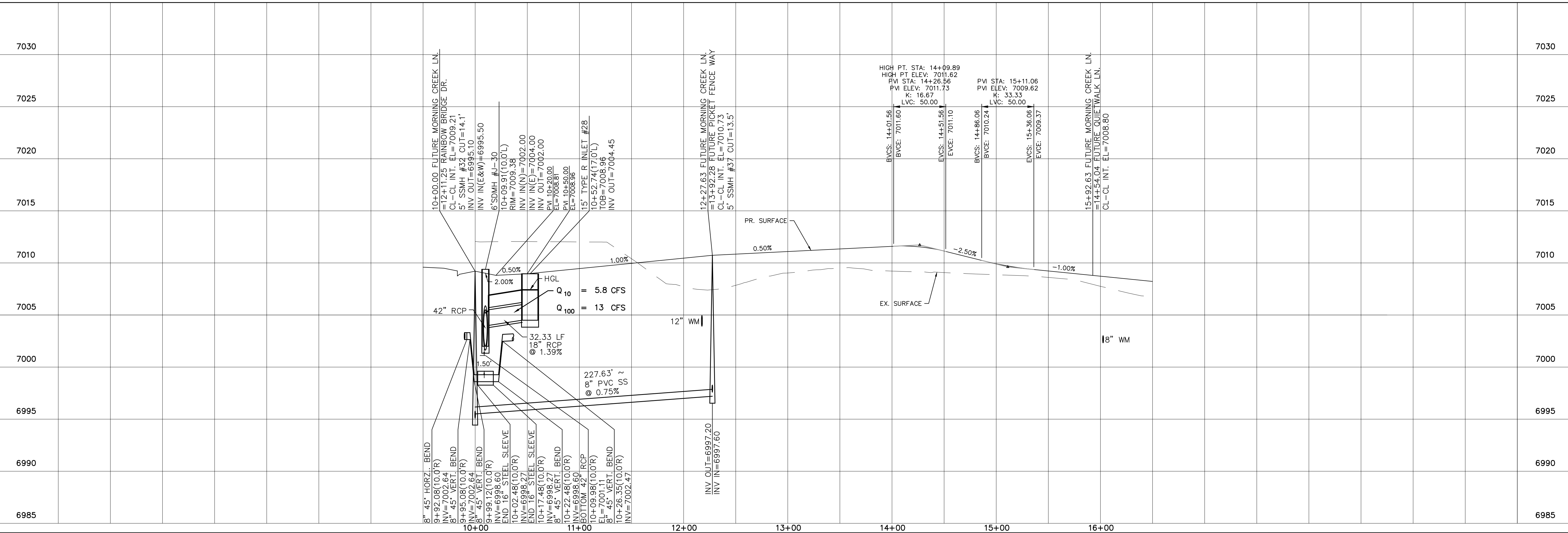
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
66	37.98'	24.50'	88°49'23"
67	37.98'	24.50'	88°49'23"



FUTURE MORNING CREEK LN.

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

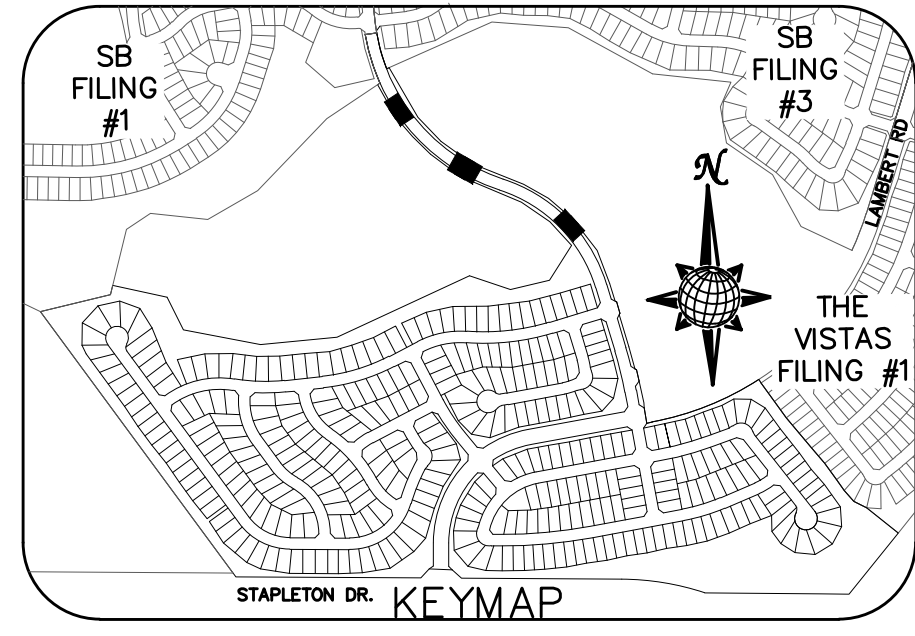
12" WATER MAIN



	Date	
	Appr.	
	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 FUTURE MORNING CREEK LN. + 12" WATER MAIN		
Scale	AS SHOWN	26 of 55
Drawn by	LCJ	
Checked by	TAK	
Date		JUN 2018

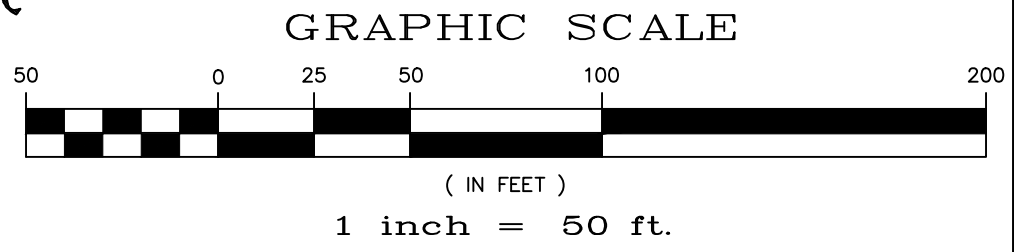
INSTALL CROSS PAN
PER COUNTY STD
SD-2-26

= 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

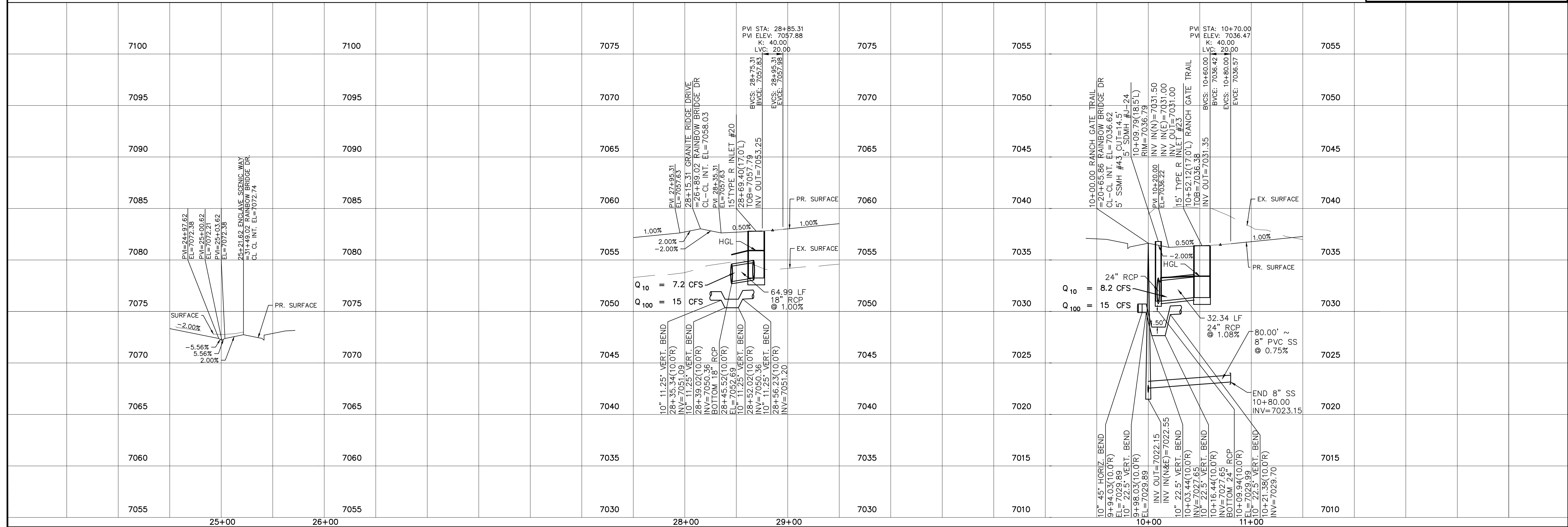
MERIDIAN RANCH

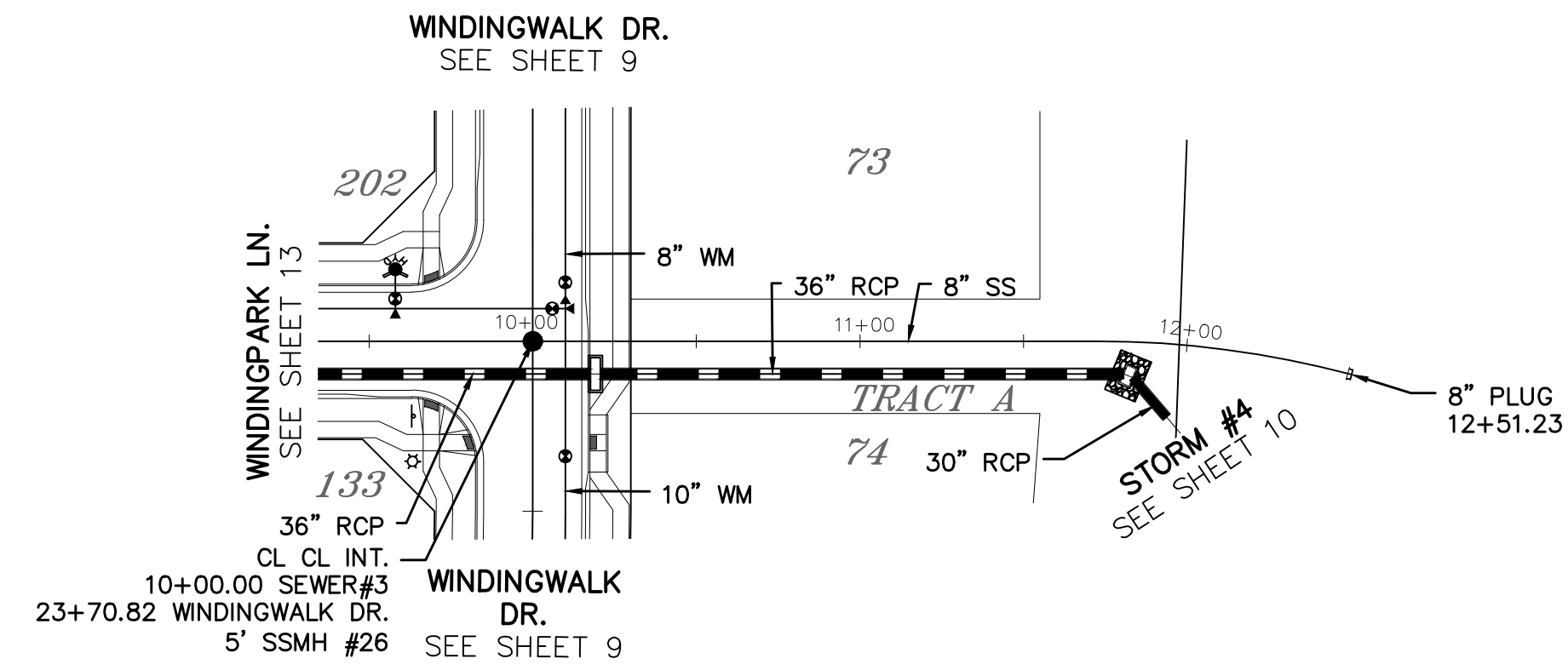
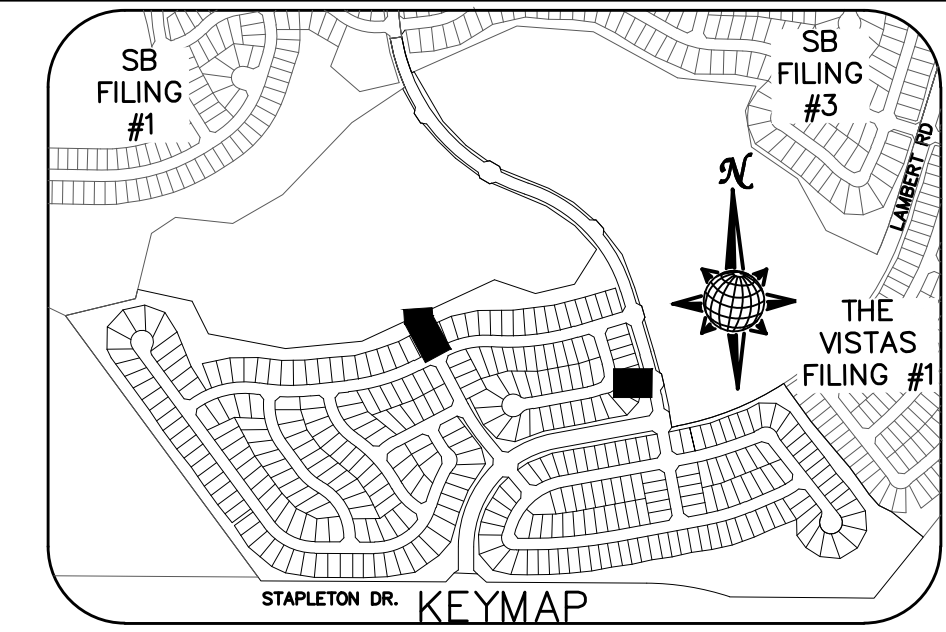
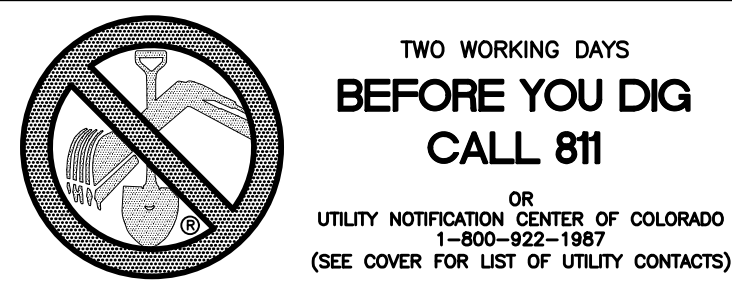
WINDINGWALK FLAT MERIDIAN RANCH
STREET AND UTILITY PLANS
RAINBOW BRIDGE INTERSECTIONS

Drawn by
Checked by
Date

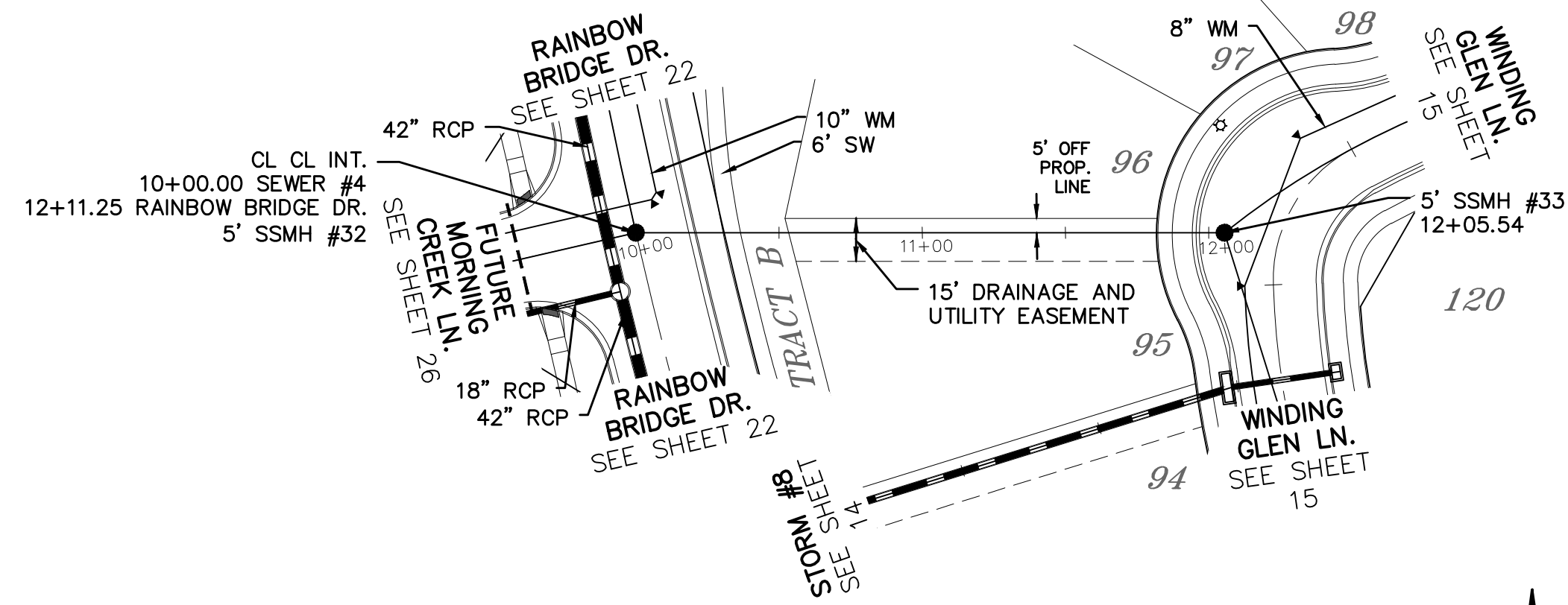
Scale
AS SHOWN
27 of 55

JAN 2018

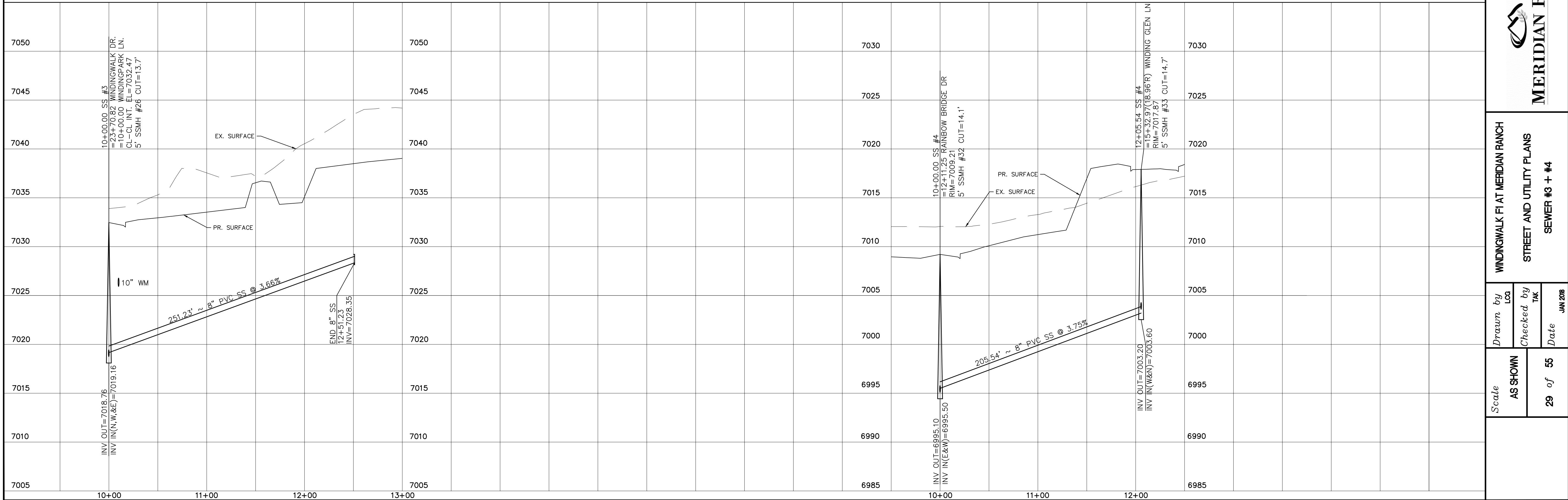
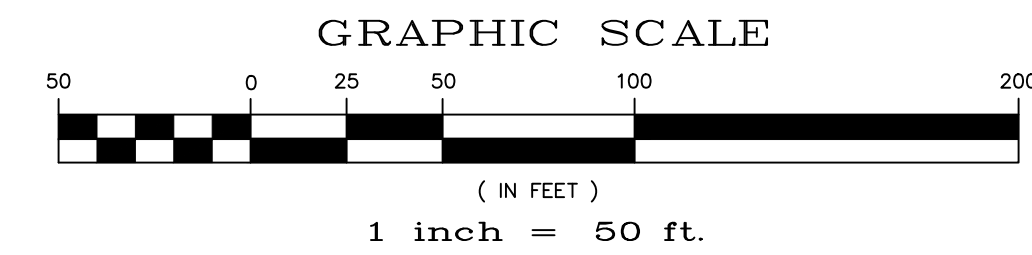
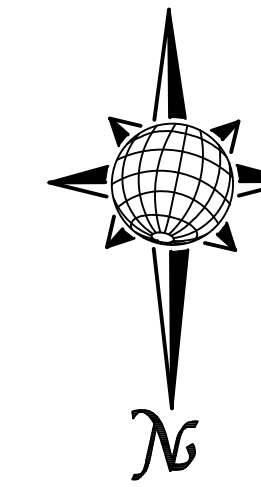




SEWER #3

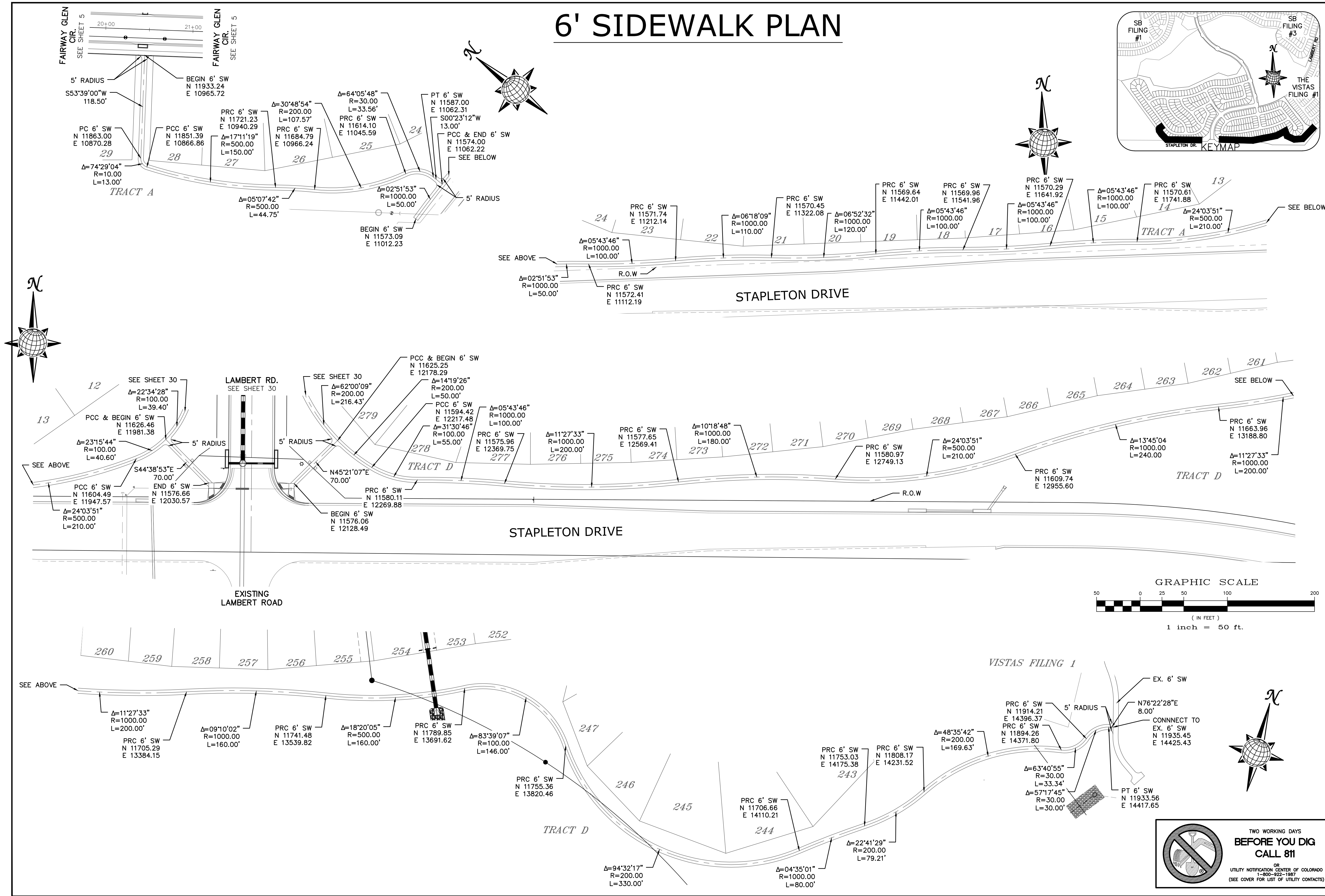


SEWER #4



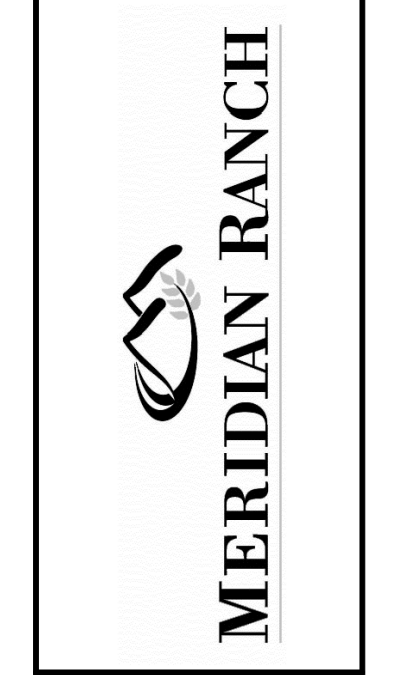
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		No.	Revisions	Date	Appr.	Date
		WINDINGWALK FLAT MERIDIAN RANCH STREET AND UTILITY PLANS SEWER #3 + #4				
		Scale AS SHOWN	Drawn by LCA	Checked by TAK	Date JAN 2018	
29 of 55						

6' SIDEWALK PLAN



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	LOG	Checked by	TAK	Date	JUN 2018
Scale	AS SHOWN	31	of	55	

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

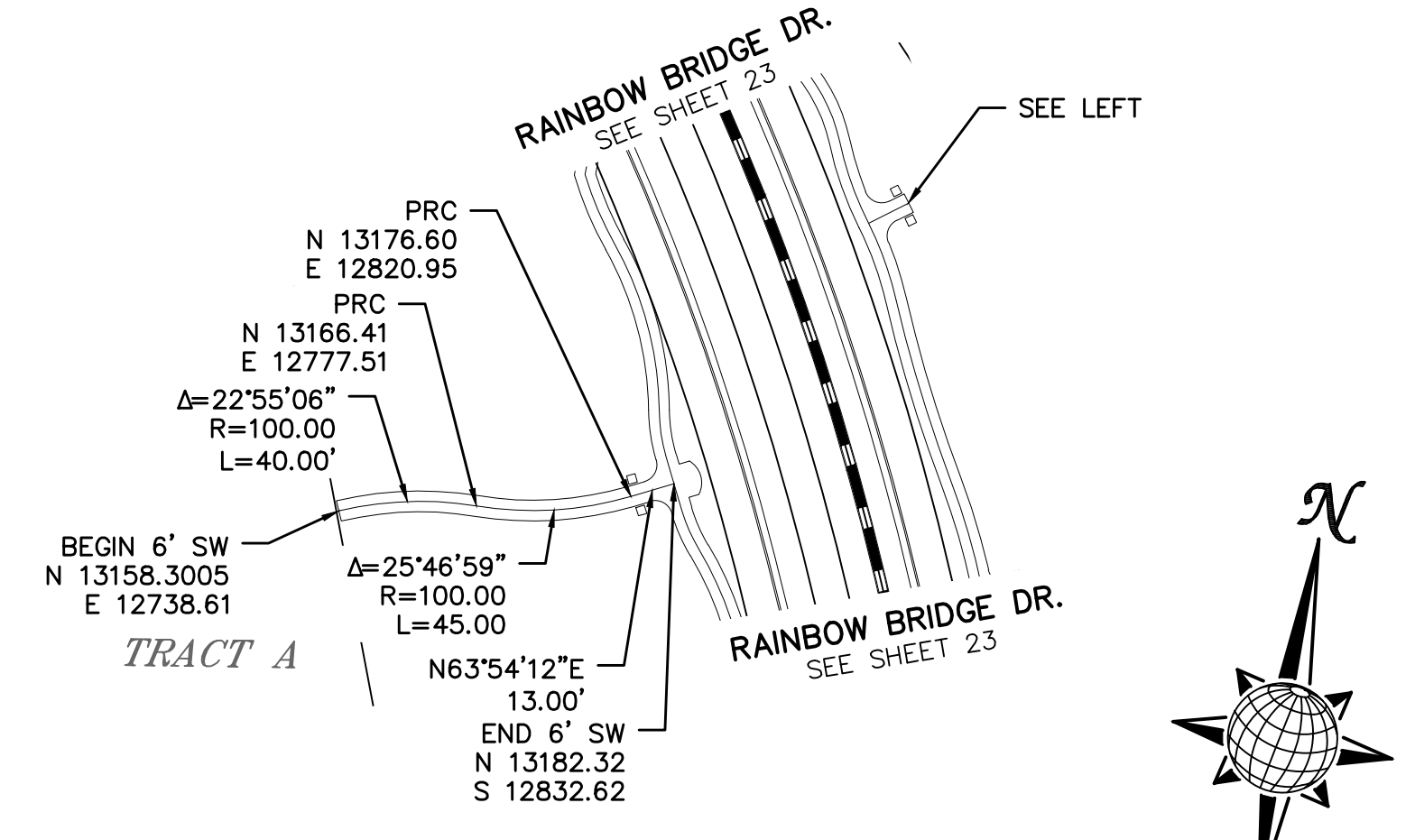
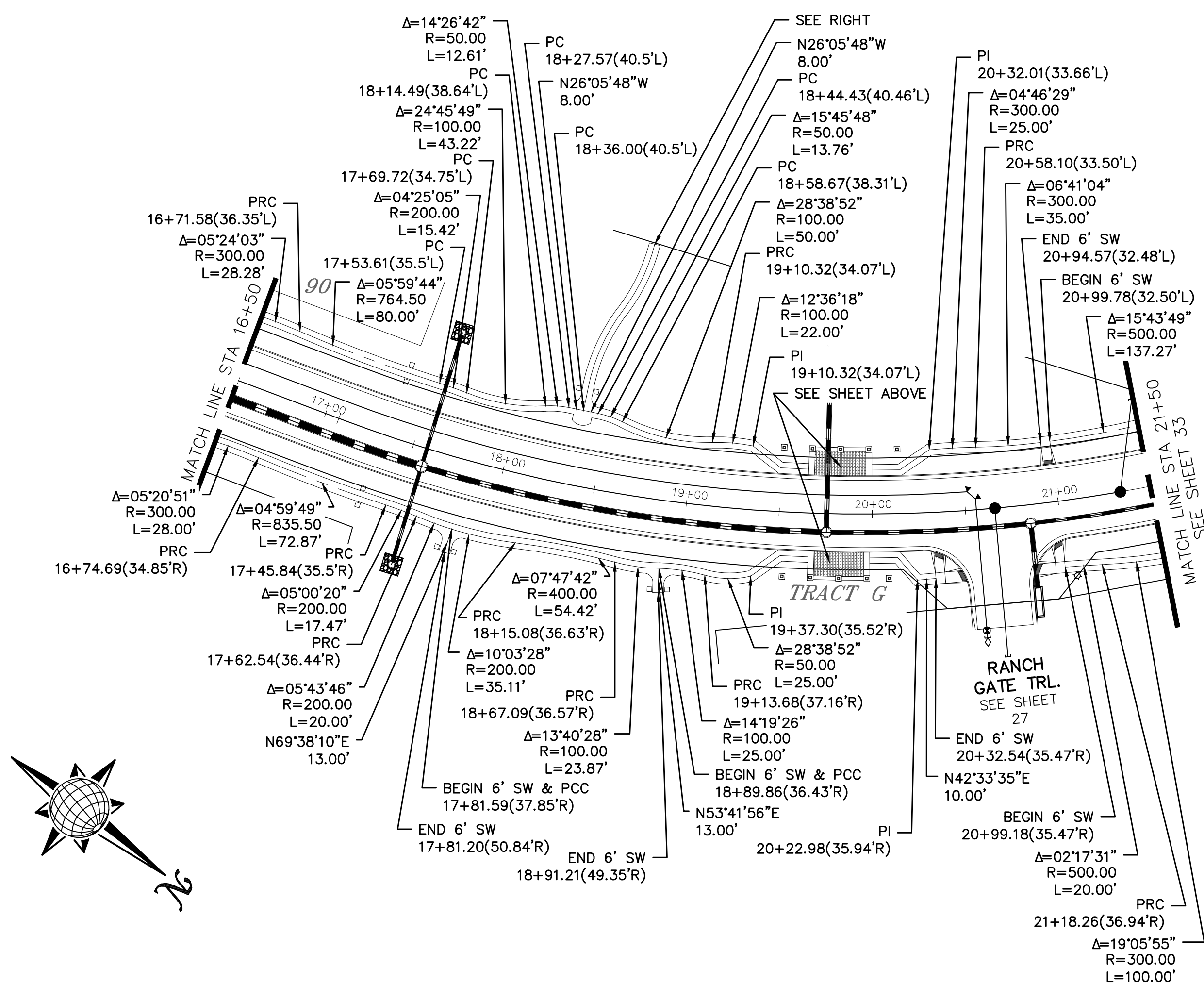
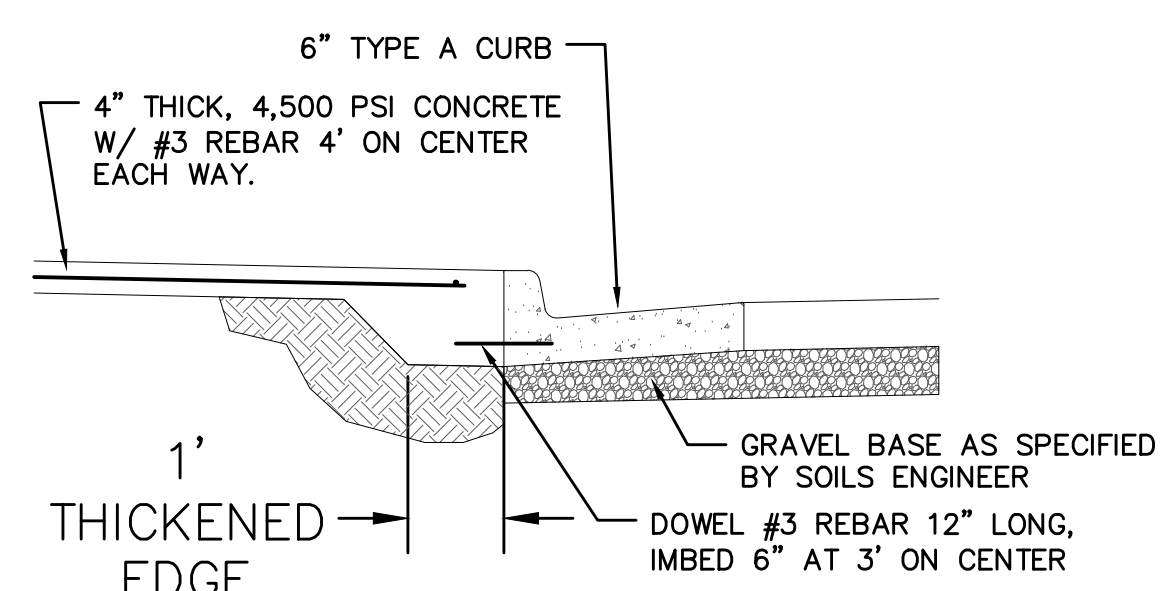
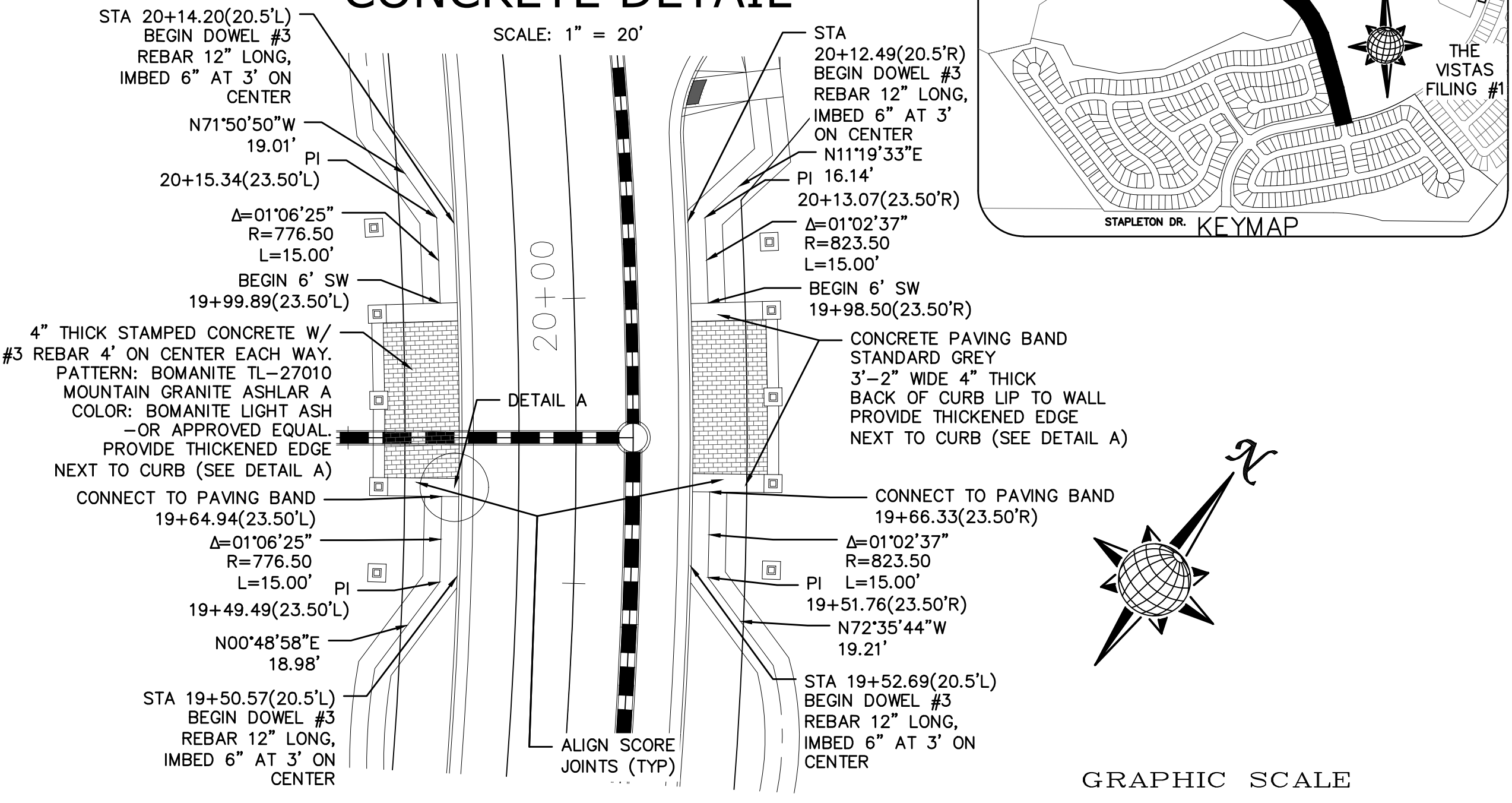
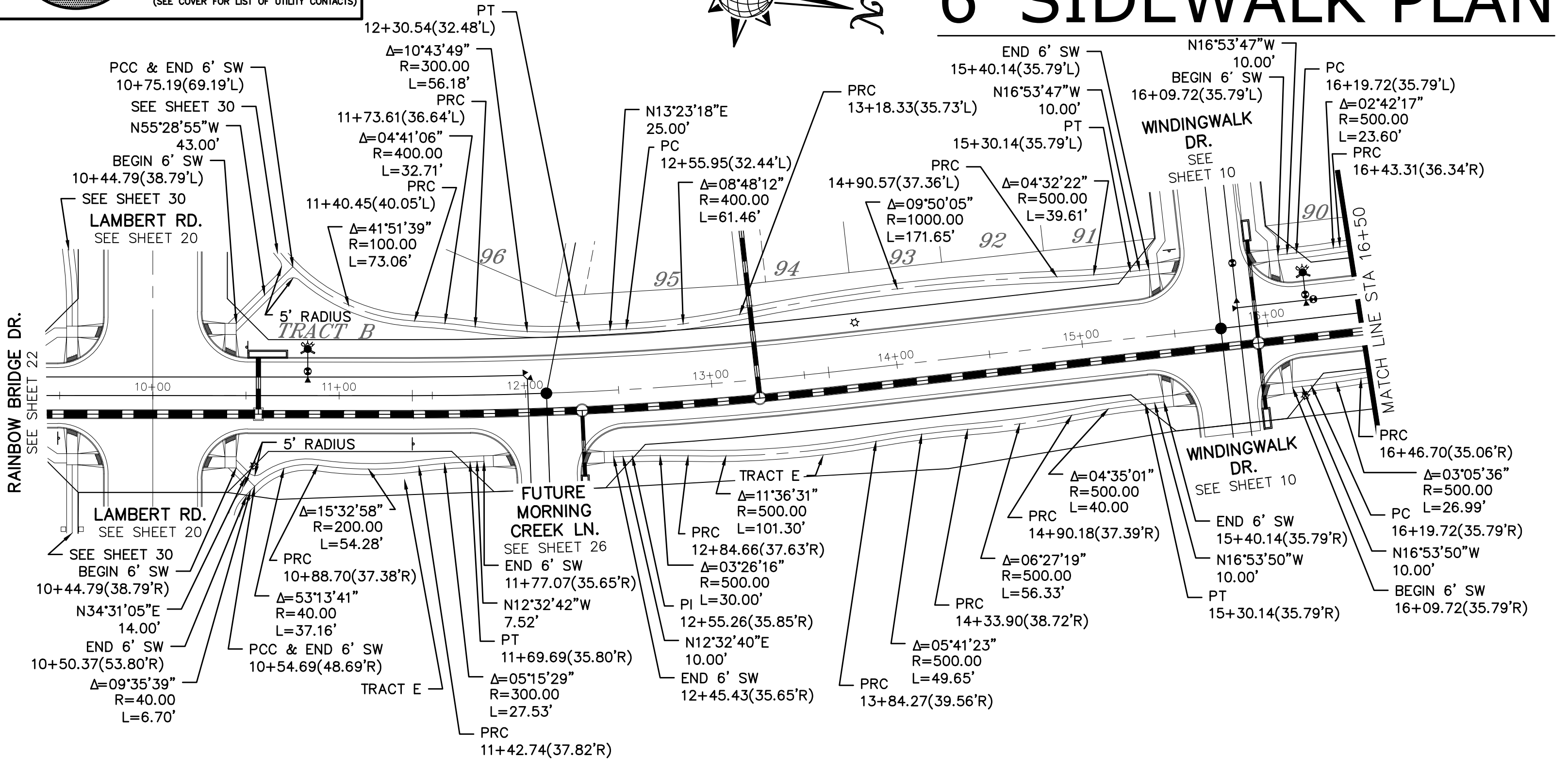
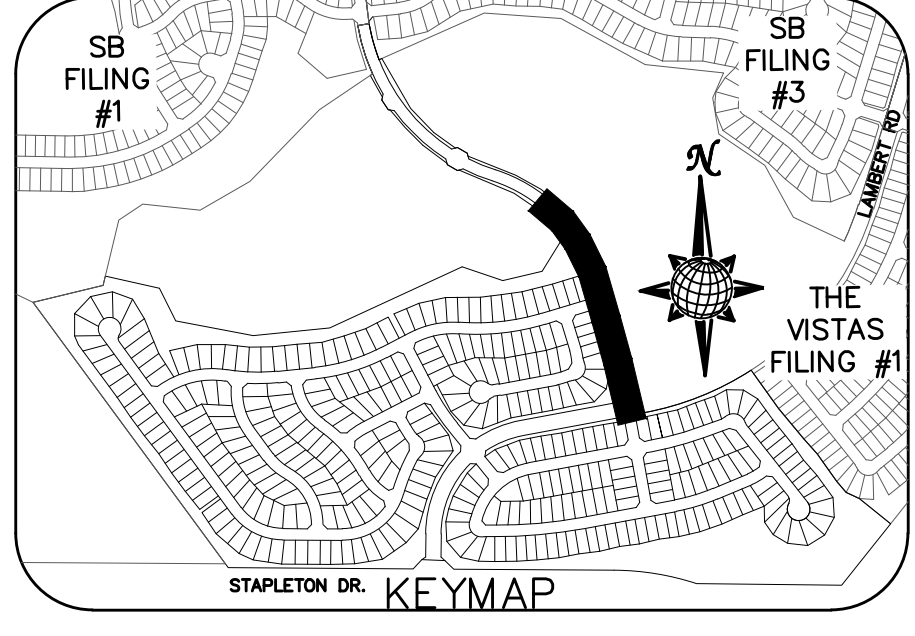
OR
 UTILITY NOTIFICATION CENTER OF COLORADO
 1-800-922-1987
 (SEE COVER FOR LIST OF UTILITY CONTACTS)

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

OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(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



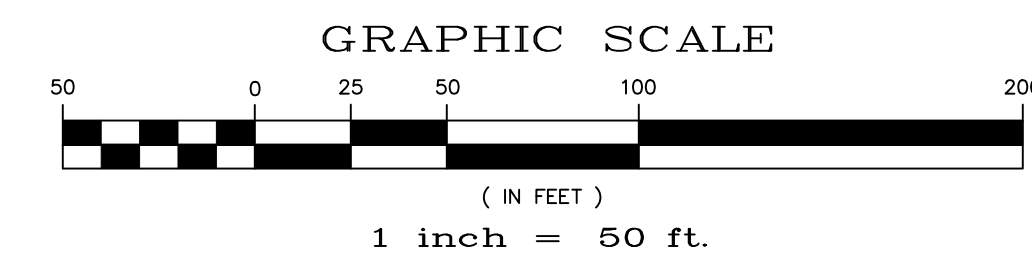
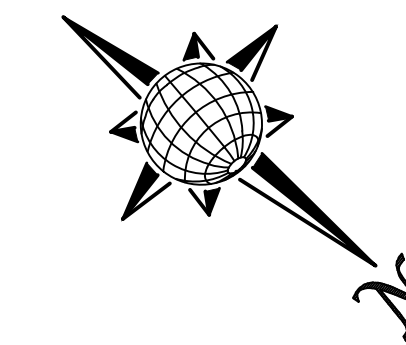
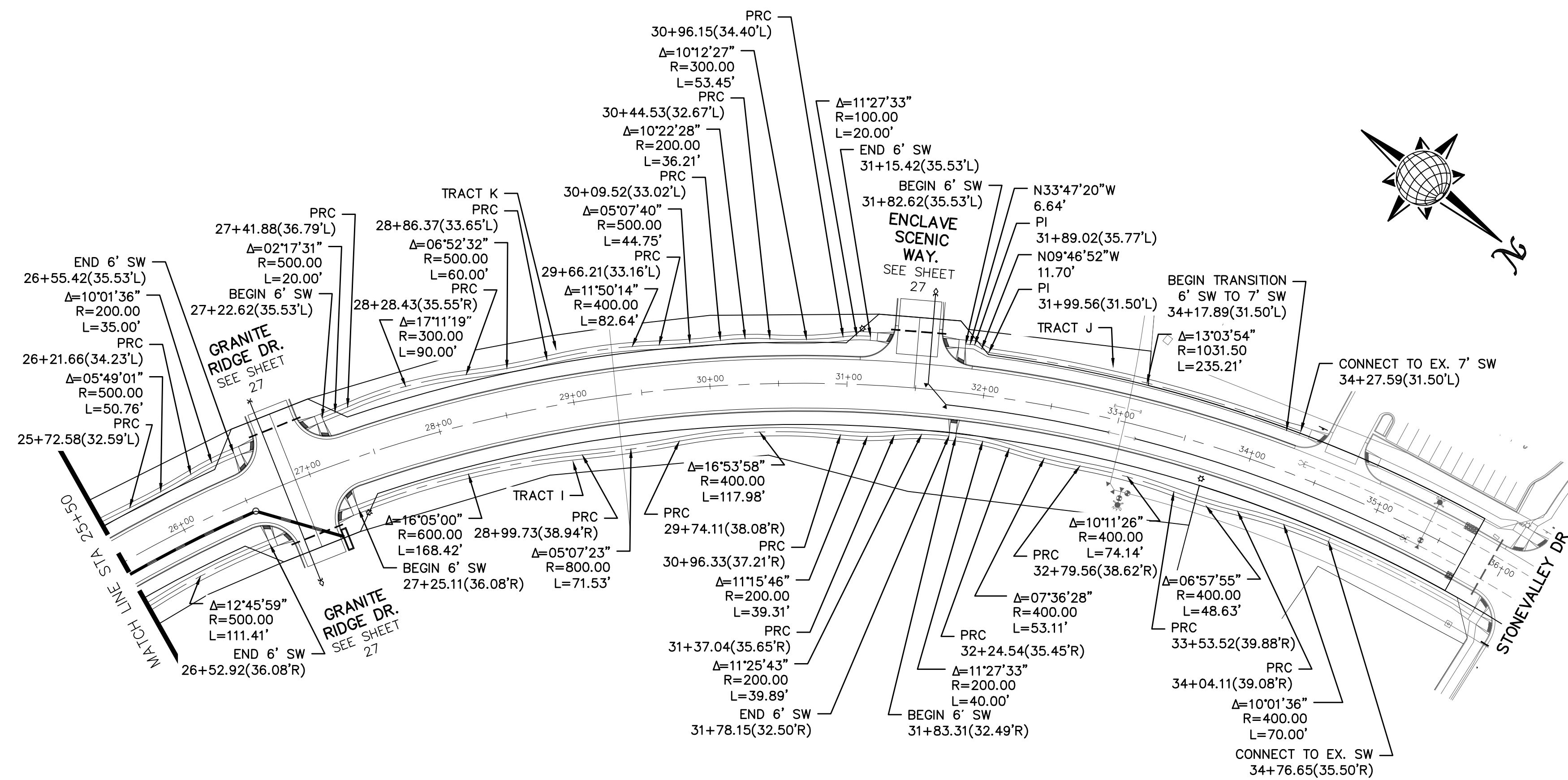
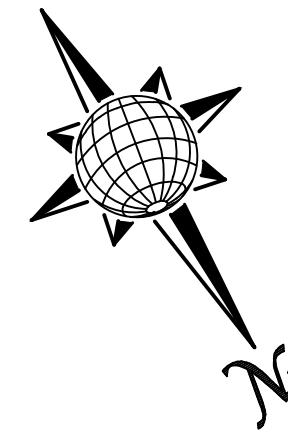
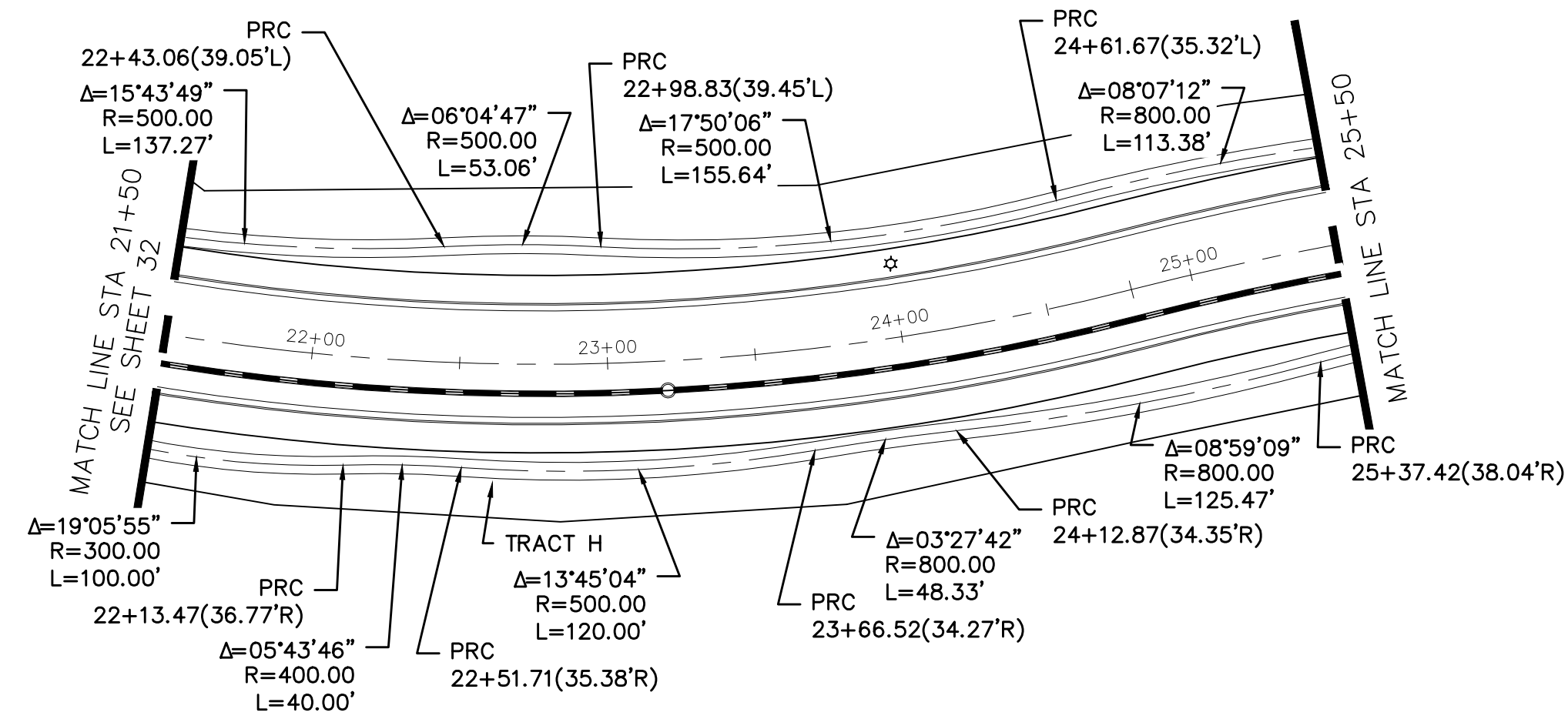
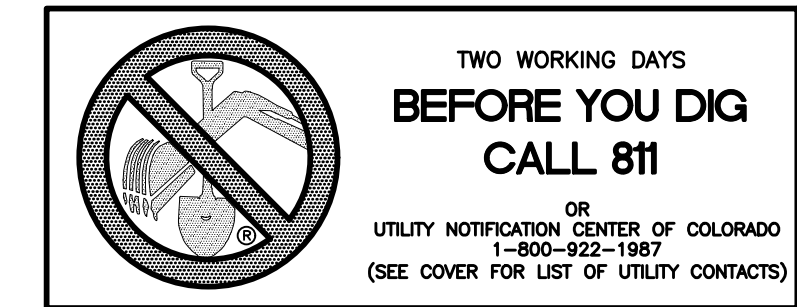
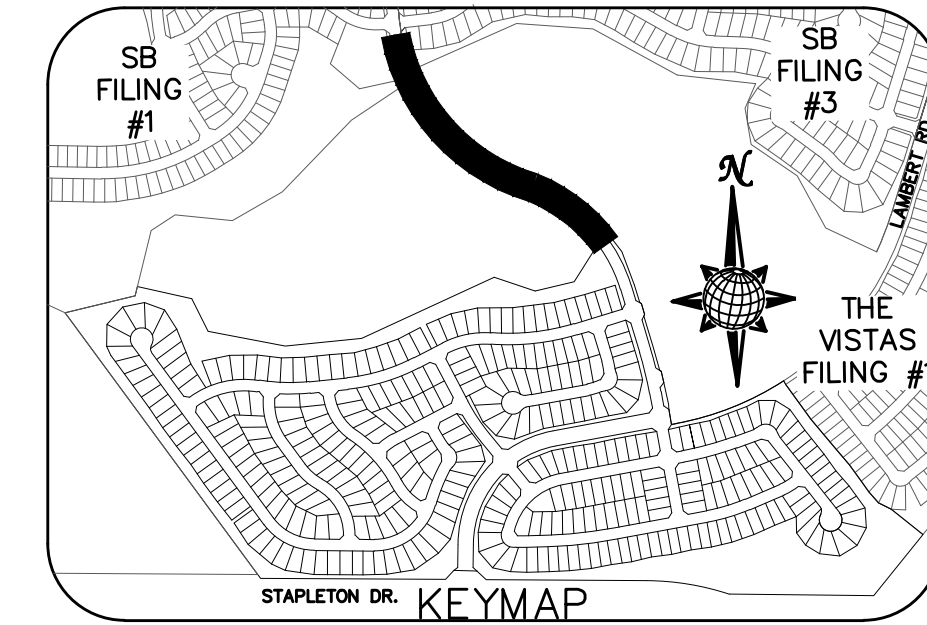
WINDINGWALK FLAT MERIDIAN RANCH
STREET AND UTILITY PLANS
SIDEWALK PLAN

Drawn by
Checked by
Date

Scale
AS SHOWN
32 of 55

JAN 2018

RAINBOW BRIDGE DR. 6' SIDEWALK PLAN



No.	Revisions	Date	Instr.	Appr.	Date

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



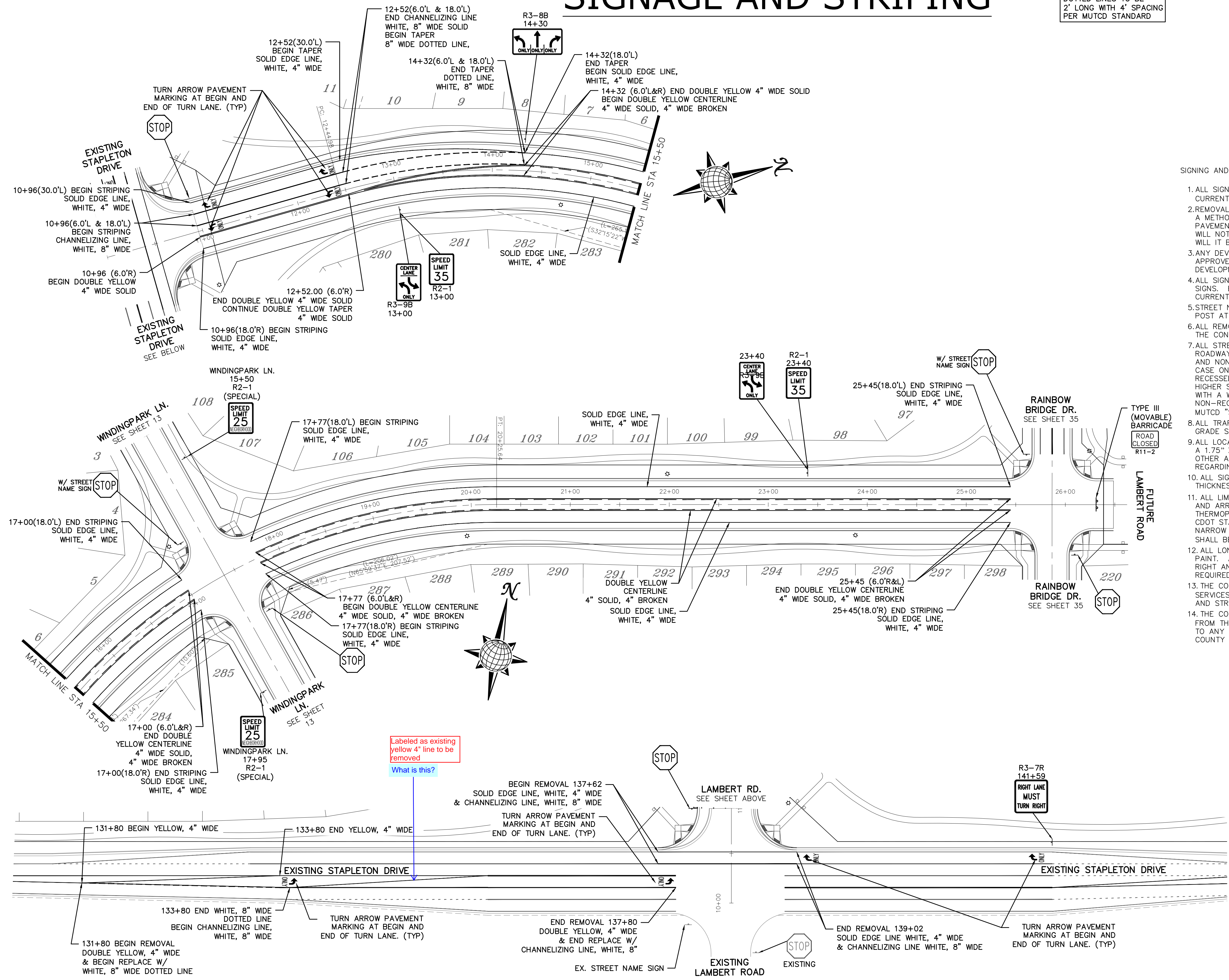
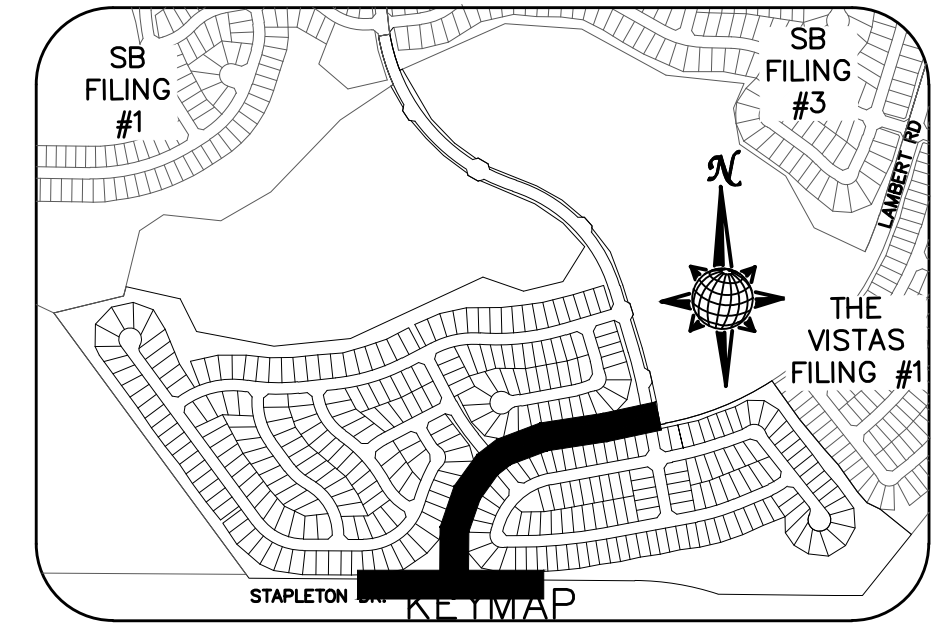
WINDINGWALK FLAT MERIDIAN RANCH
 STREET AND UTILITY PLANS
 SIDEWALK PLAN

Drawn by	LOG
Checked by	TAK
Date	JAN 2018

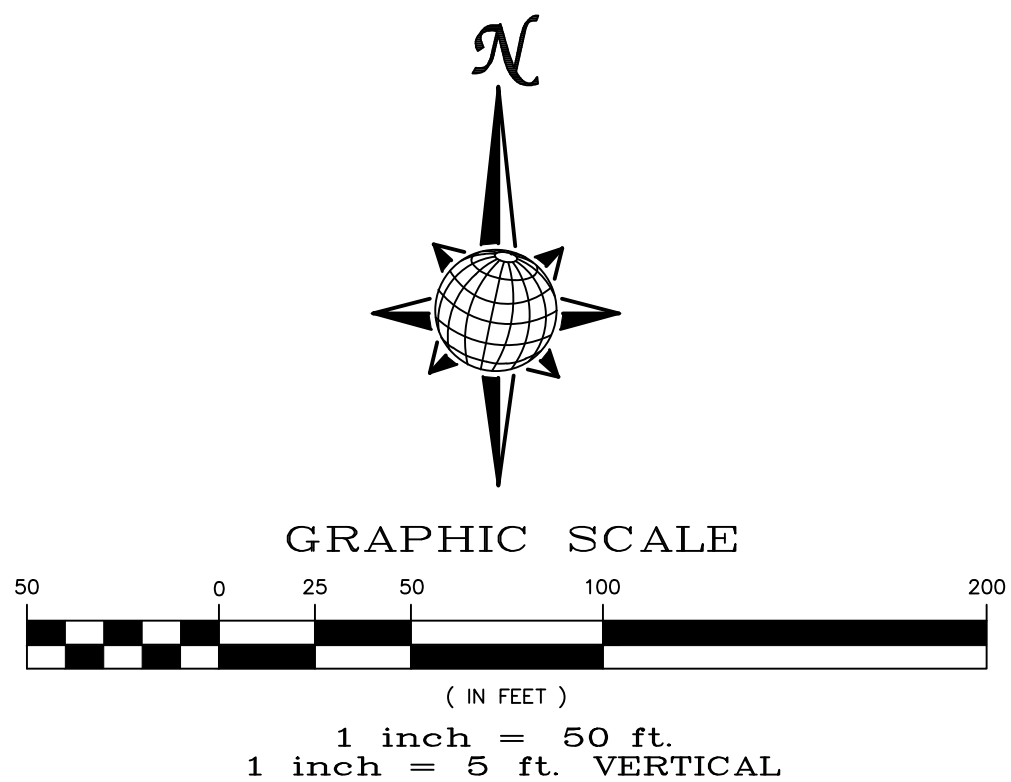
Scale AS SHOWN
 33 of 55

SIGNAGE AND STRIPING

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.



Scale	AS SHOWN	34 of 55	
Drawn by	LOG	Checked by	TAK
Date	MARCH 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	Appr.



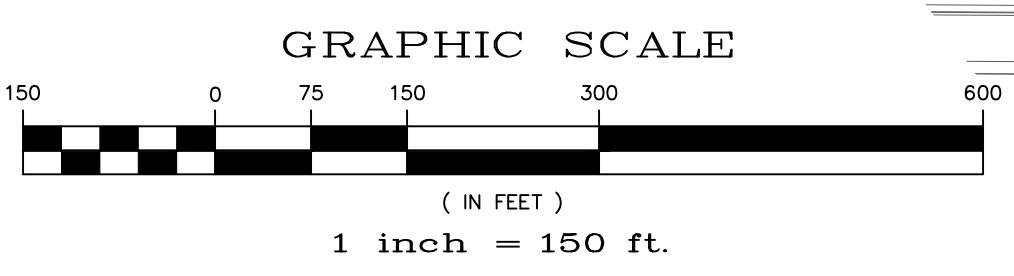
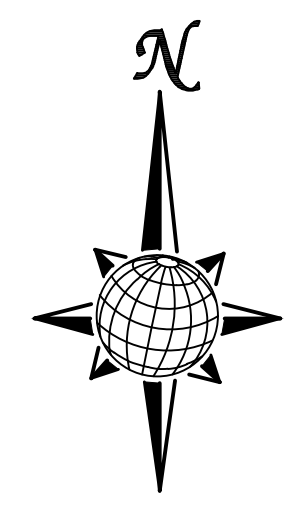
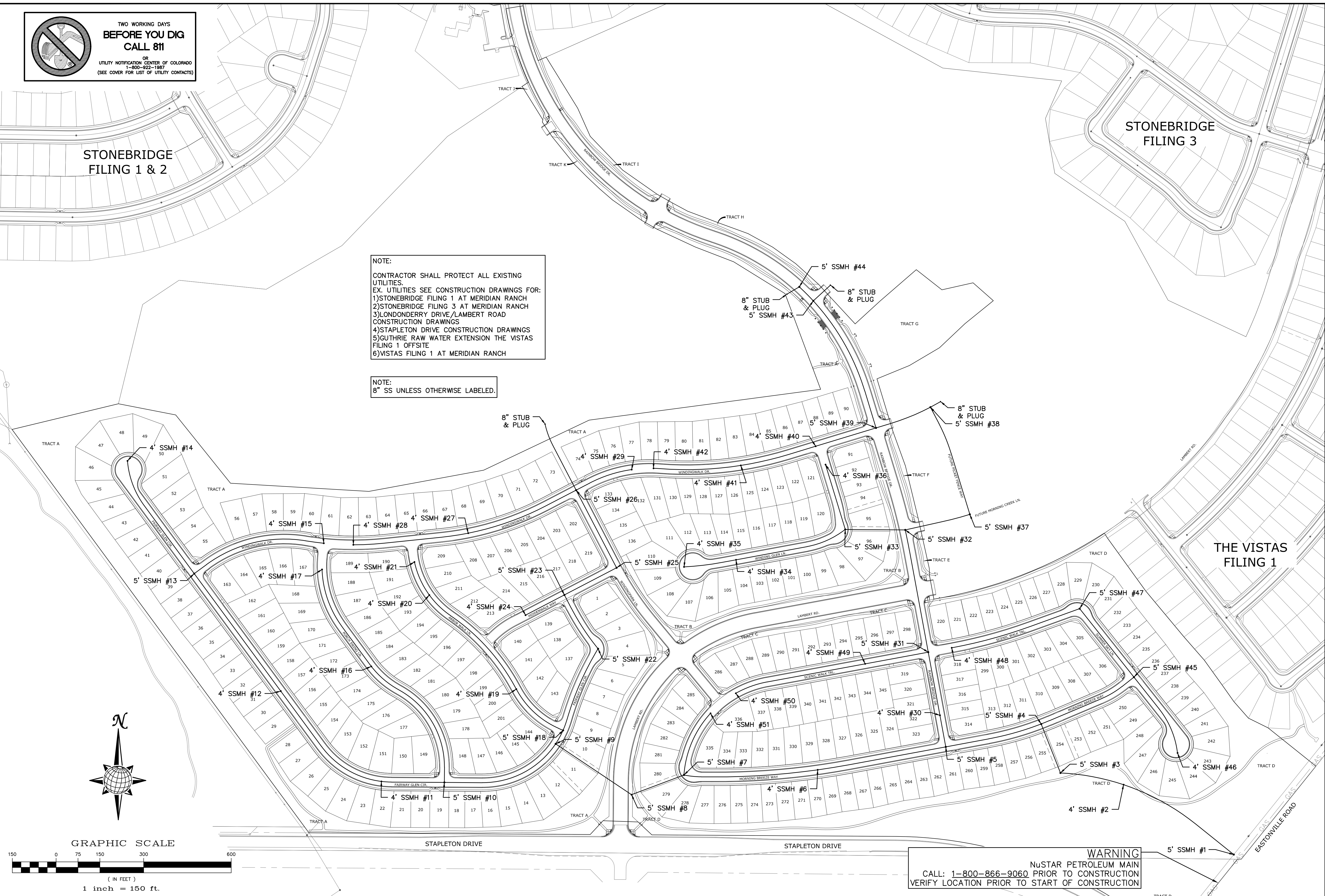
**TWO WORKING DAYS
BEFORE YOU DIG
CALL 811**
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1867
(SEE COVER FOR LIST OF UTILITY CONTACTS)

STONEBRIDGE
FILING 1 & 2

STONEBRIDGE
FILING 3

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

NOTE:
8" SS UNLESS OTHERWISE LABELED.



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

Scale		AS SHOWN		36 of 55	
Drawn by	LOG	Checked by	TAK	Date	JUN 2008
WINDINGWALK FL AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL SANITARY SEWER					
 MERIDIAN RANCH					
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
No.	Revisions	Date	Instr.	Appr.	Date



TWO WORKING DAYS
BEFORE YOU DIG
CALL 811

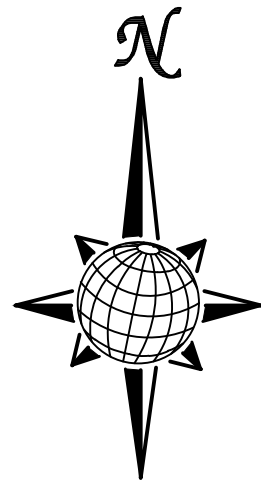
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1967
(SEE COVER FOR LIST OF UTILITY CONTACTS)

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:
4" SS SERVICE UNLESS OTHERWISE LABELED.



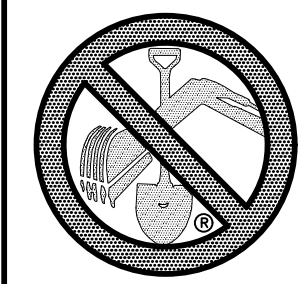
GRAPHIC SCALE



(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

Scale	AS SHOWN	37 of 55	Date	JAN 2018
Drawn by	LCB	Checked by	TAK	
WINDINGWALK FI AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL SANITARY SEWER SERVICES				
MERIDIAN RANCH				
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457				
No.	Revisions	Date	Instr.	Appr.



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:
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

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

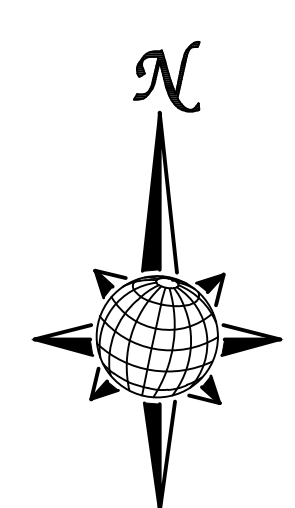


WINDINGWALK FI AT MERIDIAN RANCH
STREET AND UTILITY PLANS
OVERALL UNDERDRAIN

Drawn by LCA
Checked by TAK
Date JUN 2018

Scale AS SHOWN
38 of 55

PCD PROJECT NO. XX-XX-XXX



GRAPHIC SCALE



(IN FEET)
1 inch = 150 ft.

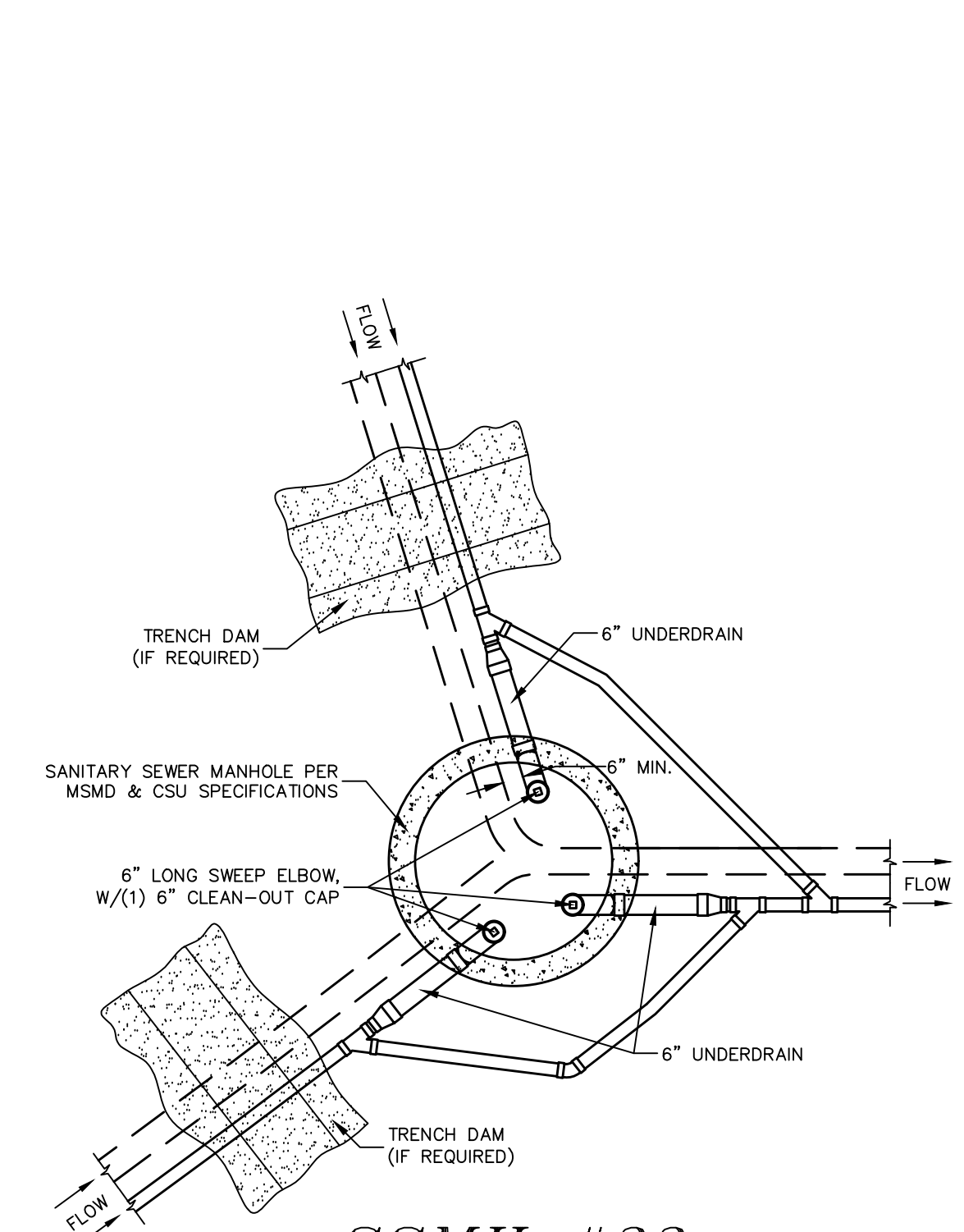
UNDERDRAIN
DISPERSION PIT
(SEE SHEET 40)

UNDERDRAIN
AT 0.50%

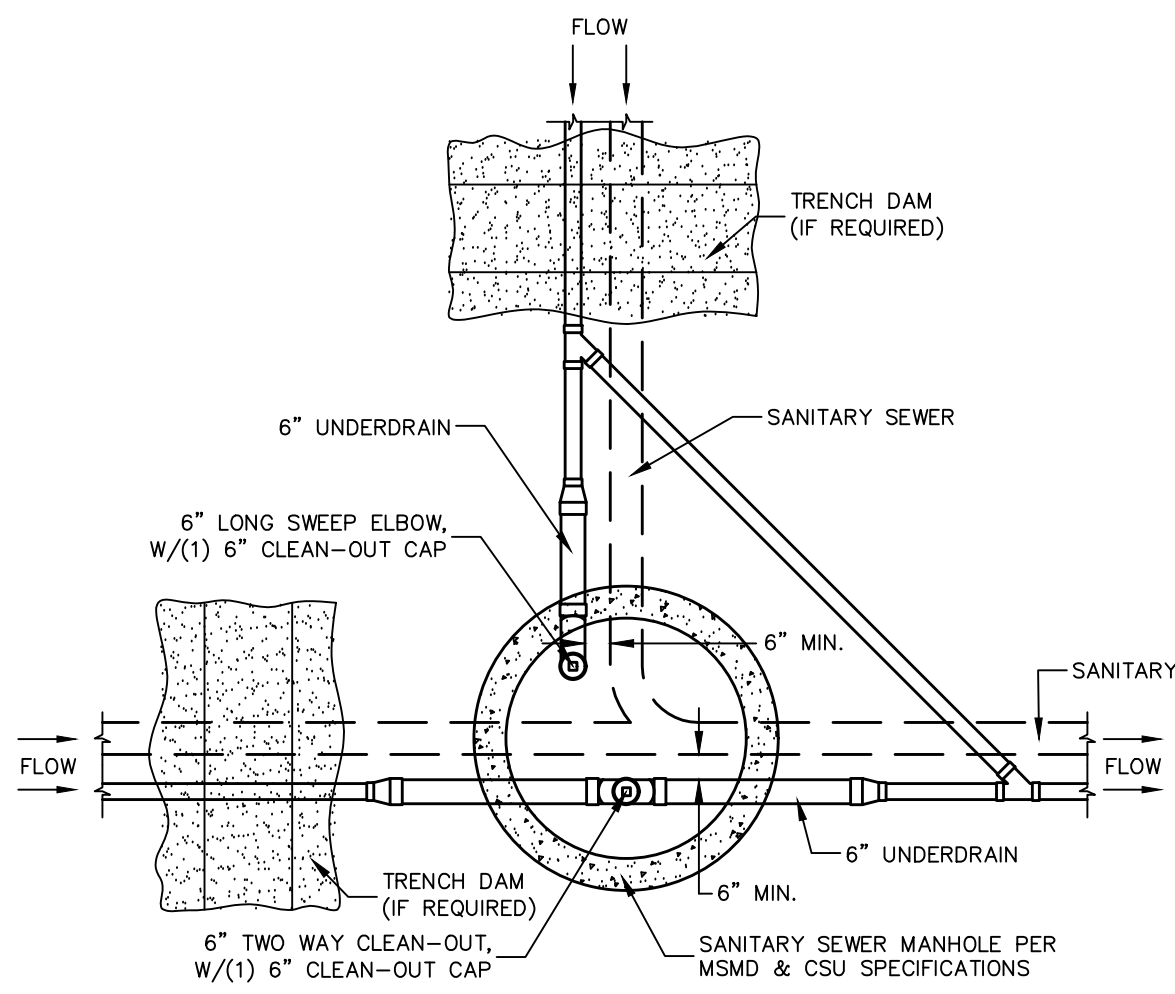
S:\Company\Marketing\Map\Plan\11886\PLAN SHEETS\IMPROVEMENT PLANS\03.dwg, 1/9/2018 11:17:25 AM



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)

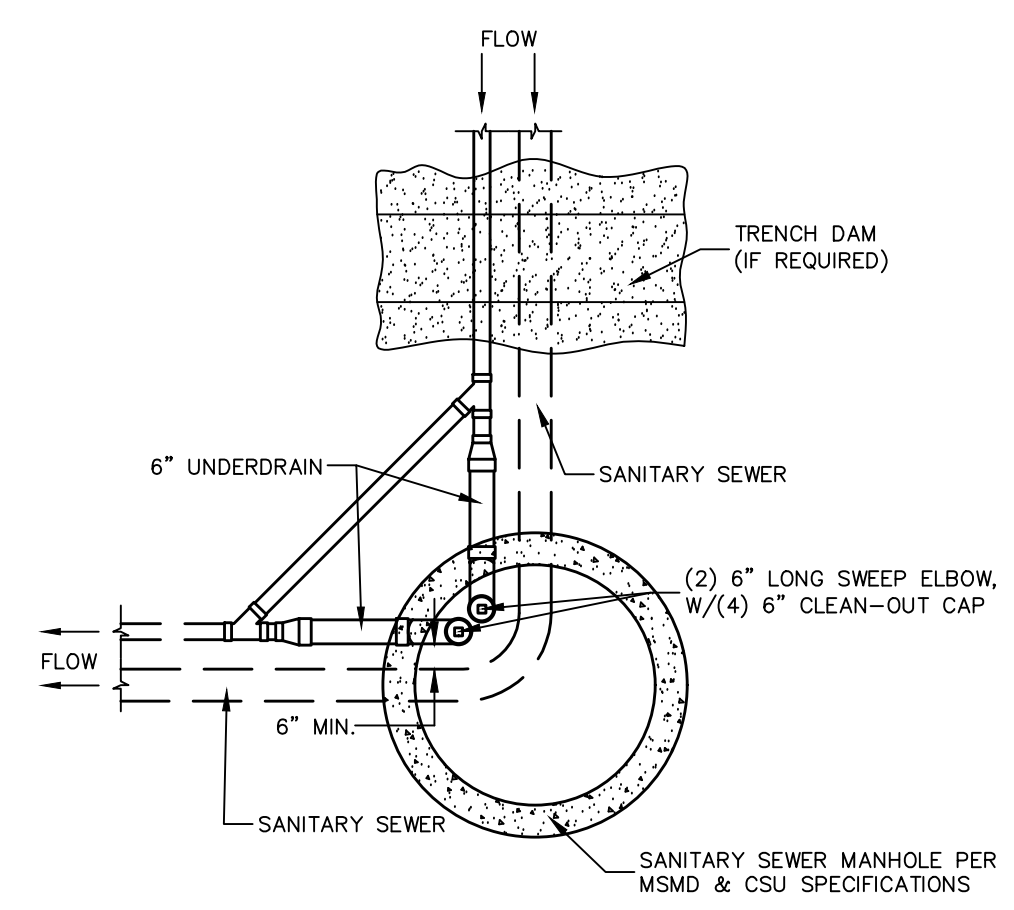


SSMH #33

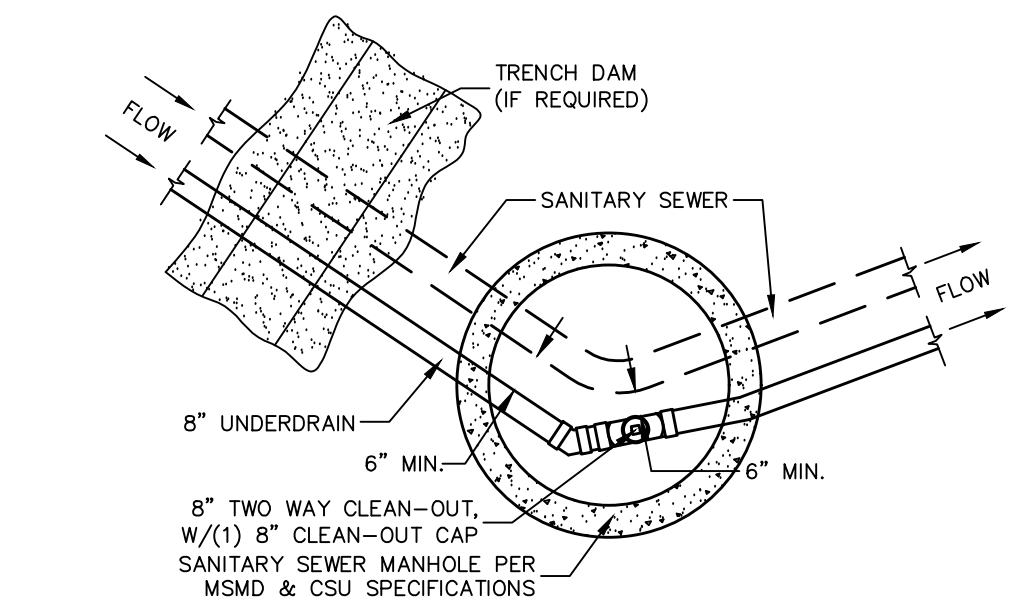


SSMH #39

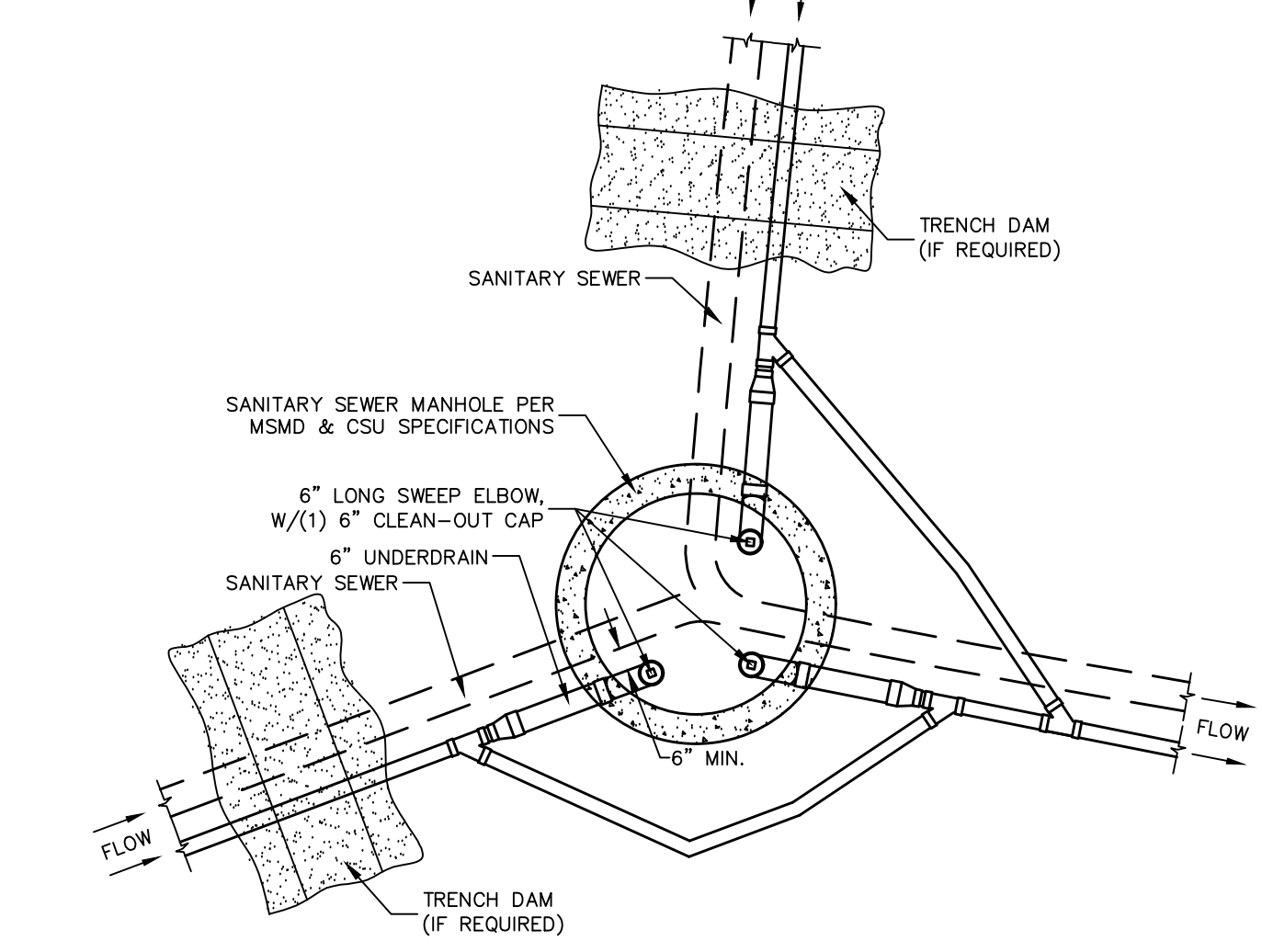
CLEAN-OUT DETAILS
SCALE : N.T.S.



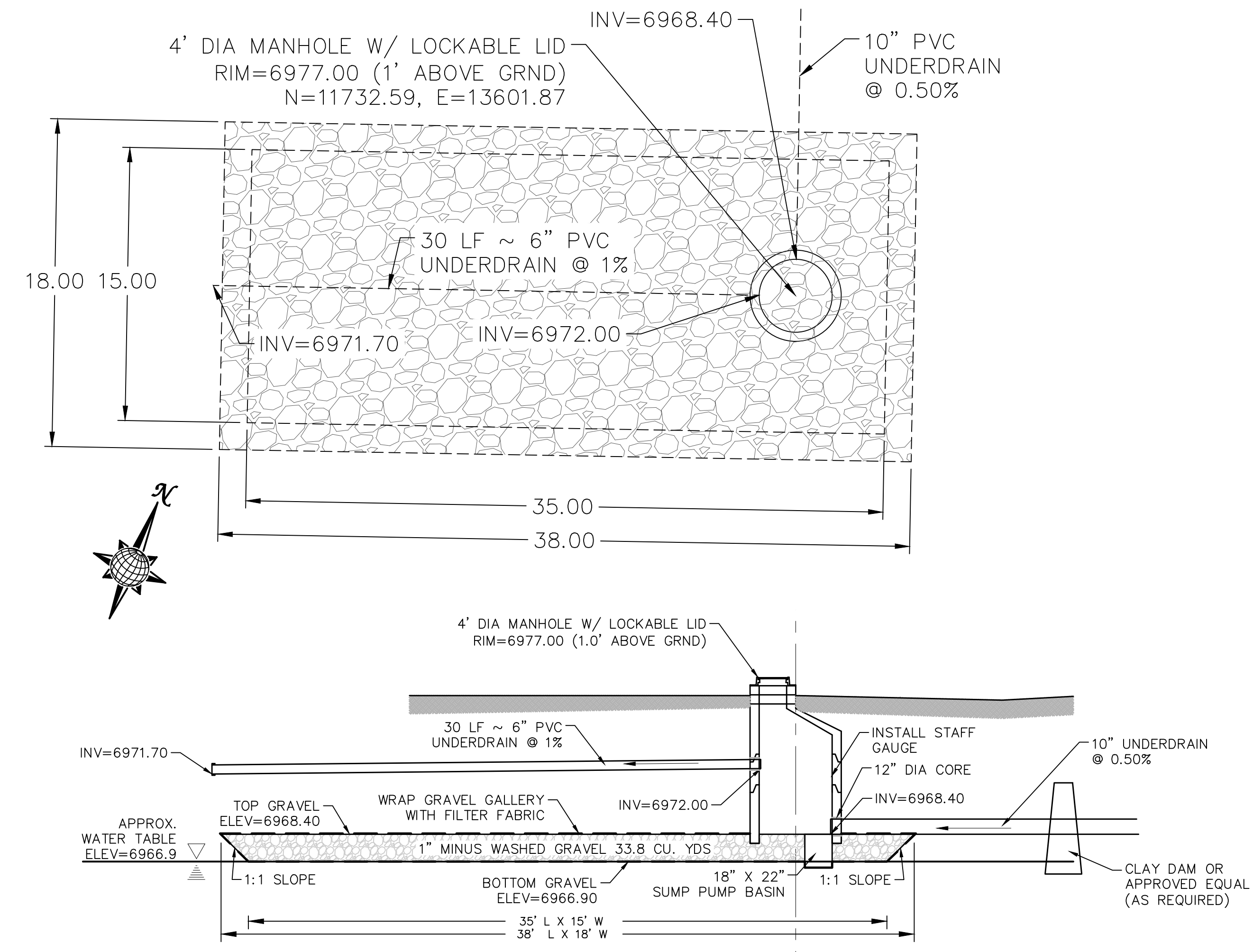
**SSMH #22, #25,
#37, #44, #47**



SSMH #8



SSMH #7



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

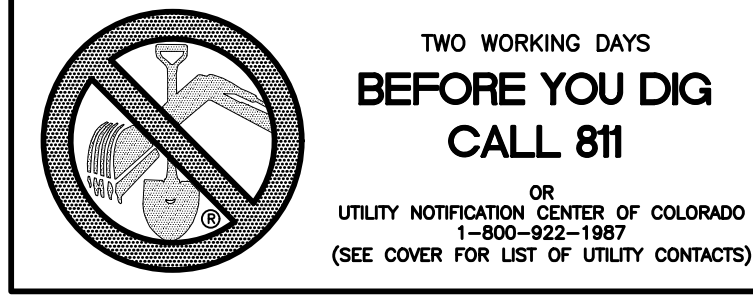
UNDERDRAIN DISPERSION PIT NOTES/SPECIFICATIONS

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
		Date	JAN 2018
	40 of 55		
		No.	
		Revisions	
		Date	
		Instr.	
		Appr.	
		Date	



WINDINGWALK FLAT MERIDIAN RANCH
STREET AND UTILITY PLANS
UNDERDRAIN DETAILS



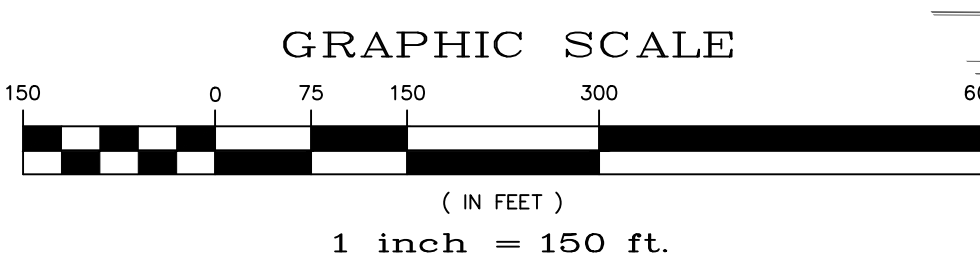
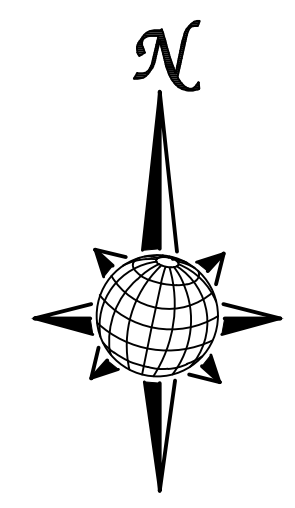
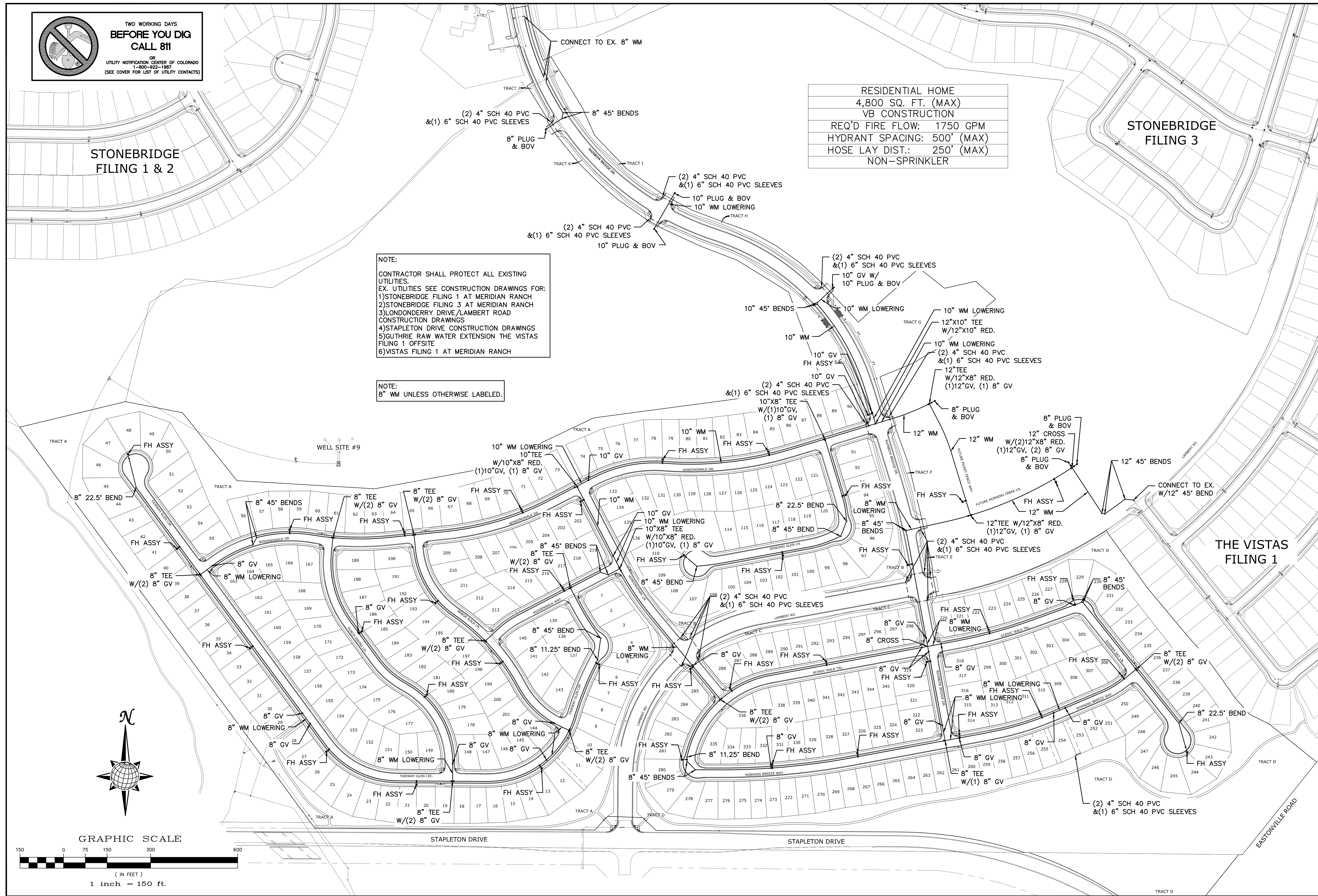
STONEBRIDGE FILING 1 & 2

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

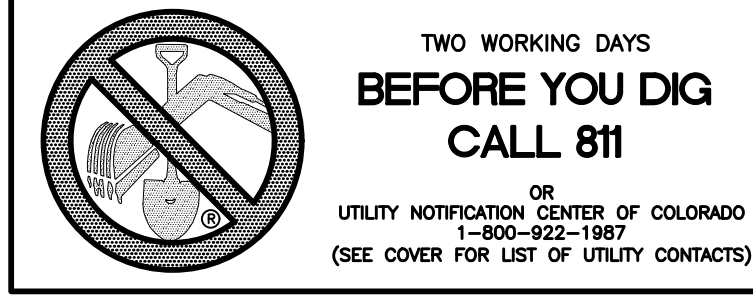
STONEBRIDGE FILING 3

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.



Scale		AS SHOWN		41 of 55	
Drawn by		LCA		JUN 2018	
Checked by		TKK			
Date					
WINDINGWALK FL AT MERIDIAN RANCH					
STREET AND UTILITY PLANS					
OVERALL WATER					
MERIDIAN RANCH					
TECH CONTRACTORS					
11886 STAPLETON DRIVE					
FALCON, CO 80831					
TELEPHONE: 719.495.7444					
FAX: 719.495.2457					
No.	Revisions	Date	Trdt.	Appr.	Date



STONEBRIDGE FILING 1 & 2

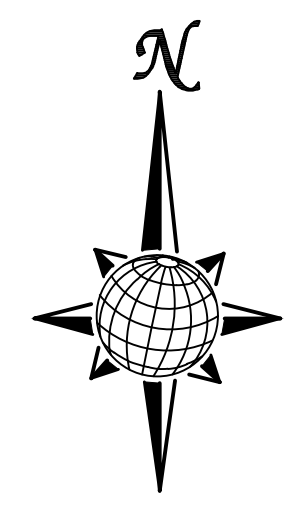
STONEBRIDGE FILING 3

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



1 inch = 150 ft.

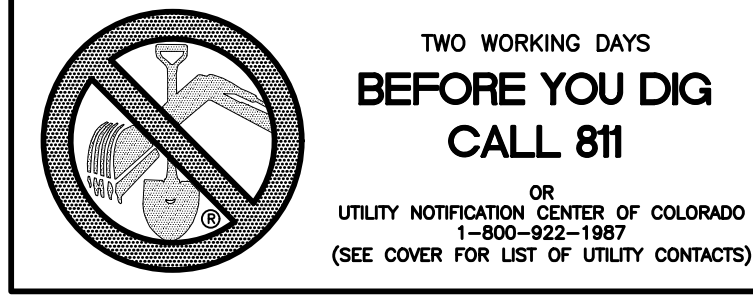
No.	Revisions	Date	Appr.	Date

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



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

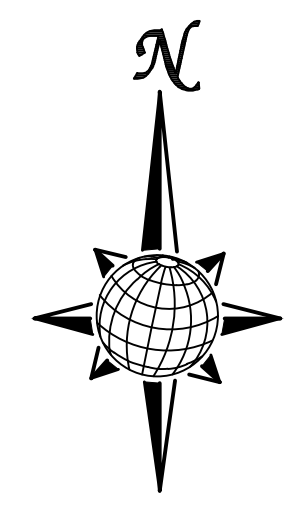
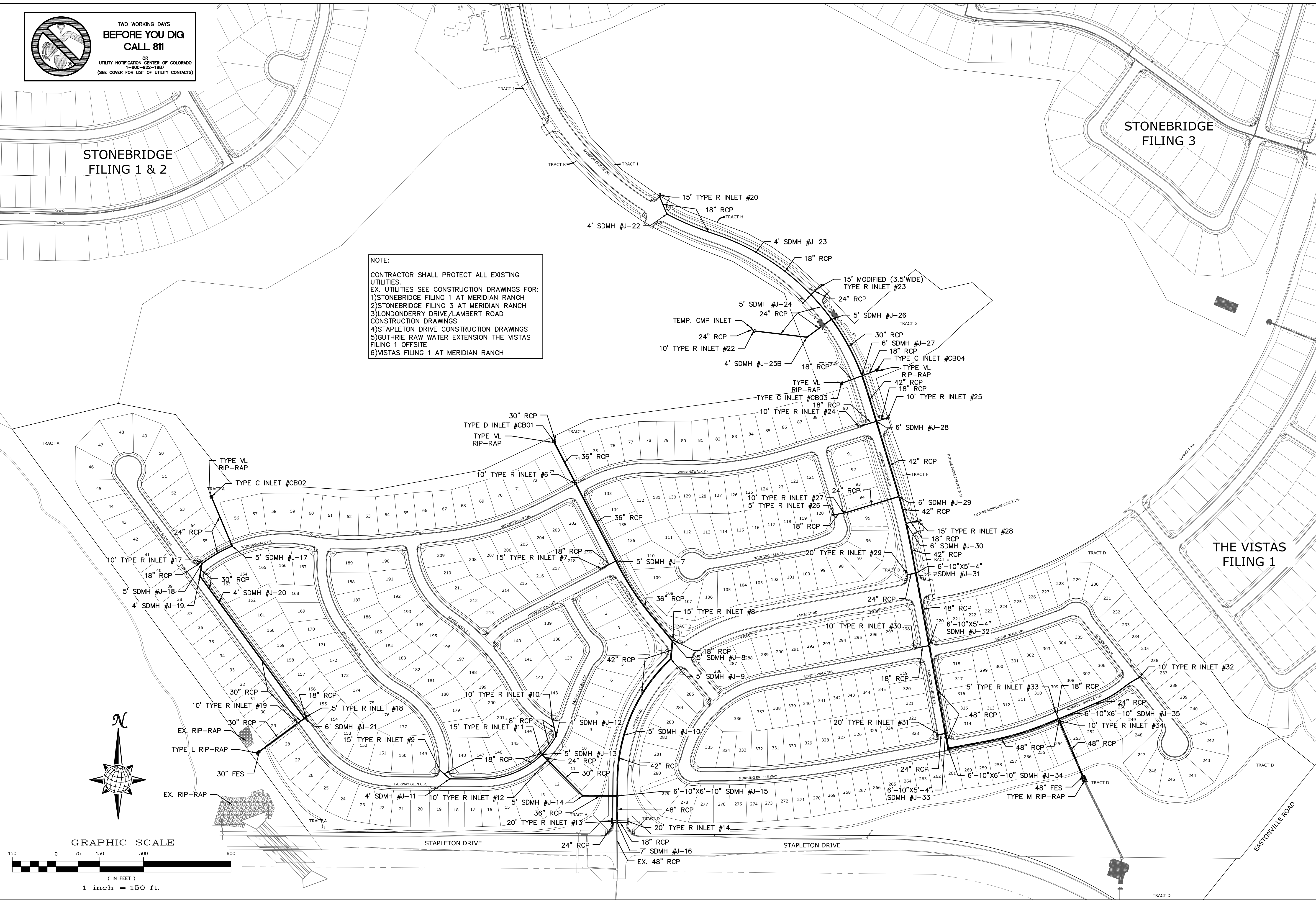
Scale	AS SHOWN
Drawn by	LCB
Checked by	TAK
Date	JAN 2018
42 of	55



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



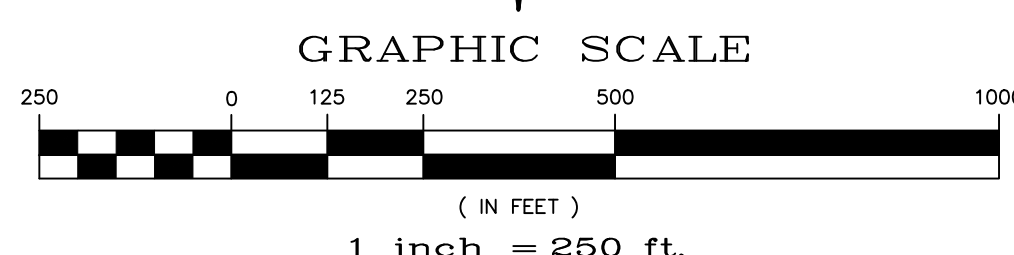
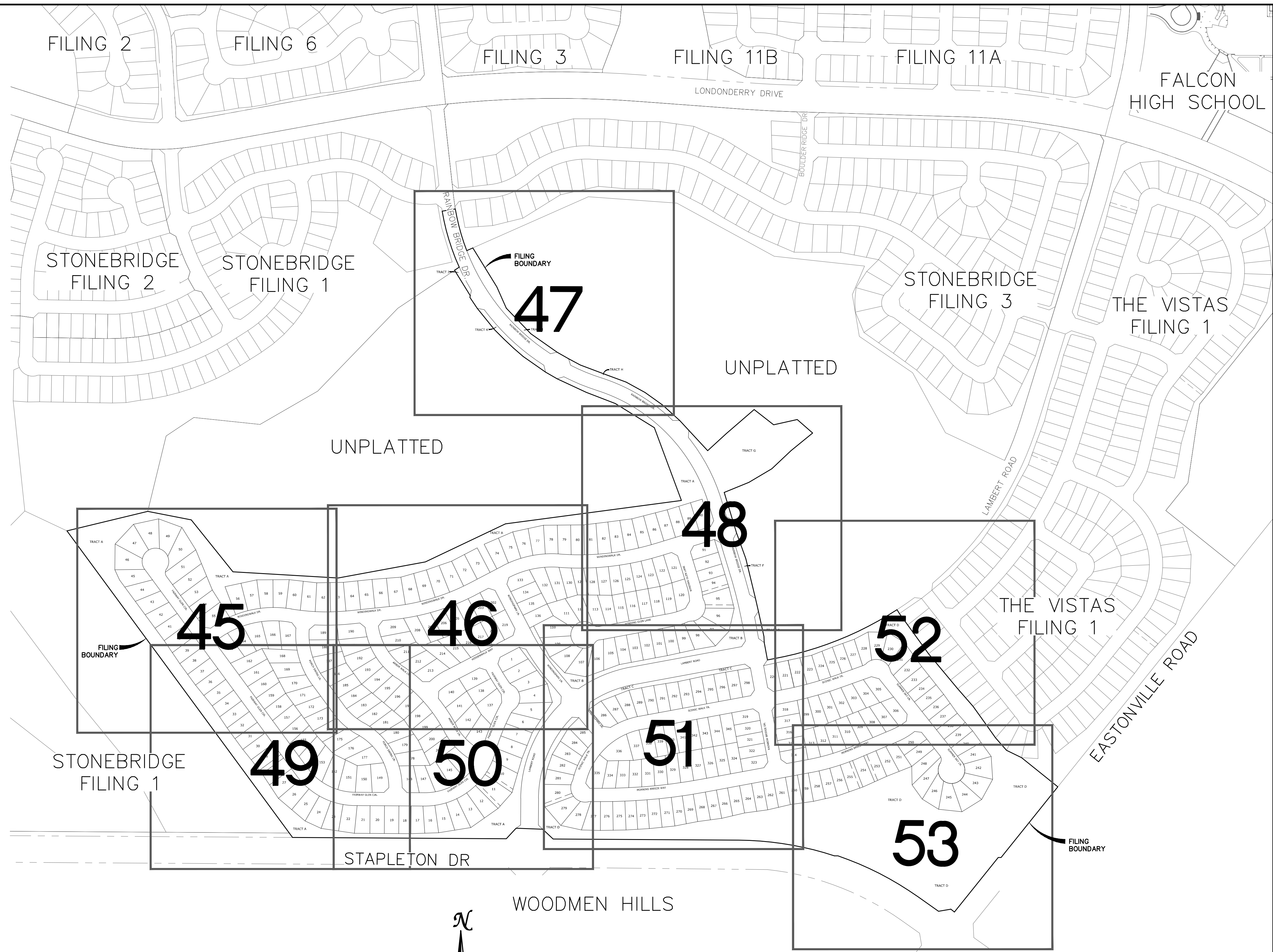
GRAPHIC SCALE
 (IN FEET)
 1 inch = 150 ft.

TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		No.	Revisions	Date	Instr.	Appr.	Date
 MERIDIAN RANCH		WINDINGWALK FLAT MERIDIAN RANCH					
		STREET AND UTILITY PLANS OVERALL STORM DRAIN					
Drawn by LOG	Checked by TKK	Date JUN 2018					
Scale AS SHOWN	43 of 55						

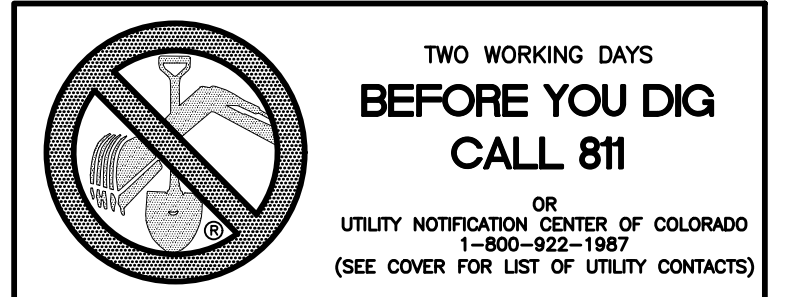
GENERAL NOTES:

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

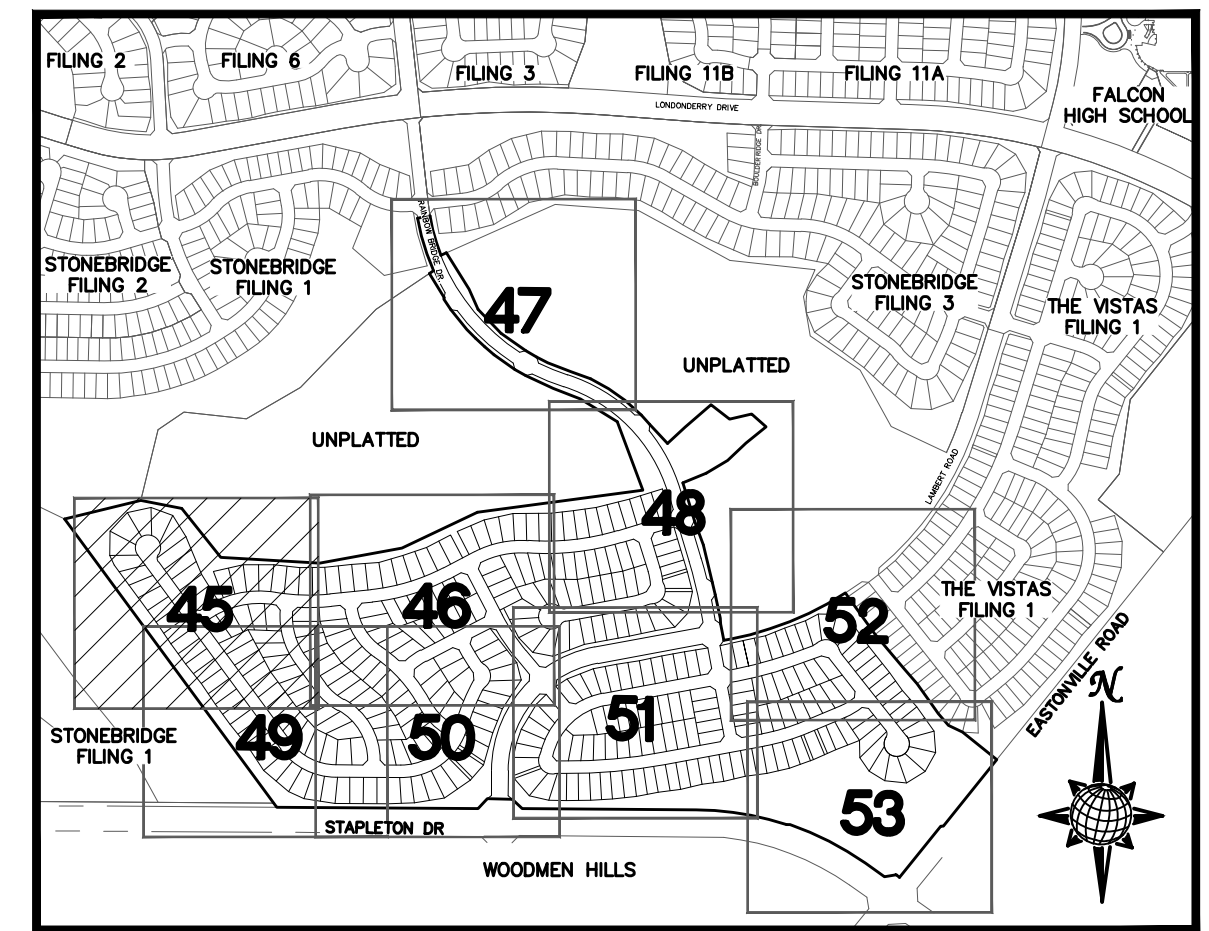
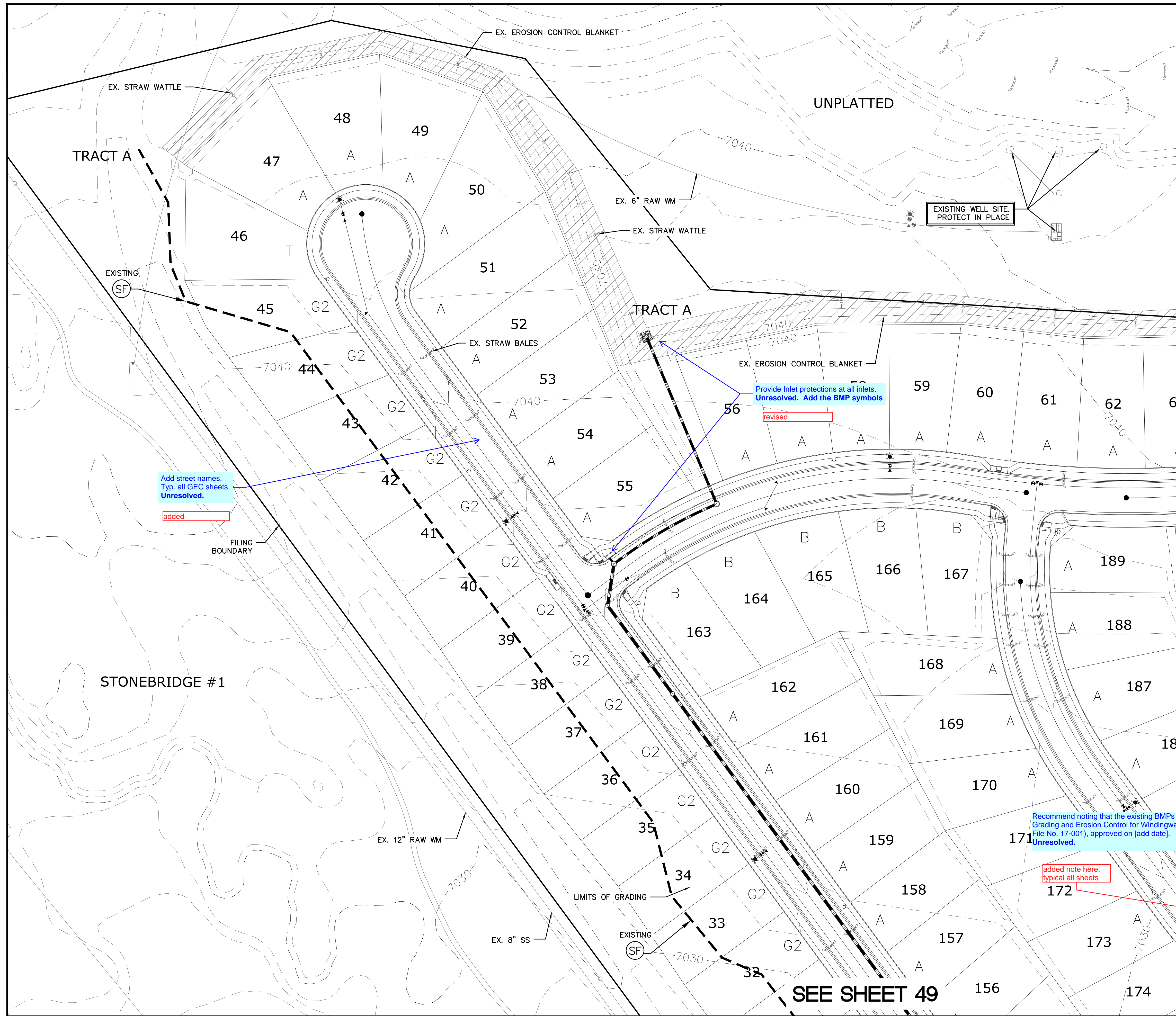
COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
 WATER QUALITY CONTROL DIVISION
 WOOD - PERMITS
 4300 CHERRY CREEK DRIVE SOUTH
 DENVER, CO 80246-1530
 ATTN: PERMITS UNIT



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		



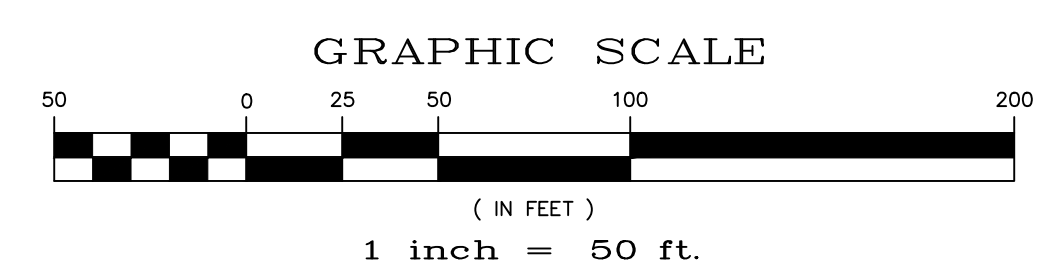
Scale	Drawn by	Checked by	Date
AS SHOWN	LOG	TAK	JAN 2018
44 of 55	GRADING INDEX SHEET		
WINDINGWALK FLAT MERIDIAN RANCH GRADING-EROSION CONTROL PLAN			
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457			
MERIDIAN RANCH			
Revisions			
No.	Date	Instr.	Appr.



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
	VT-C	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

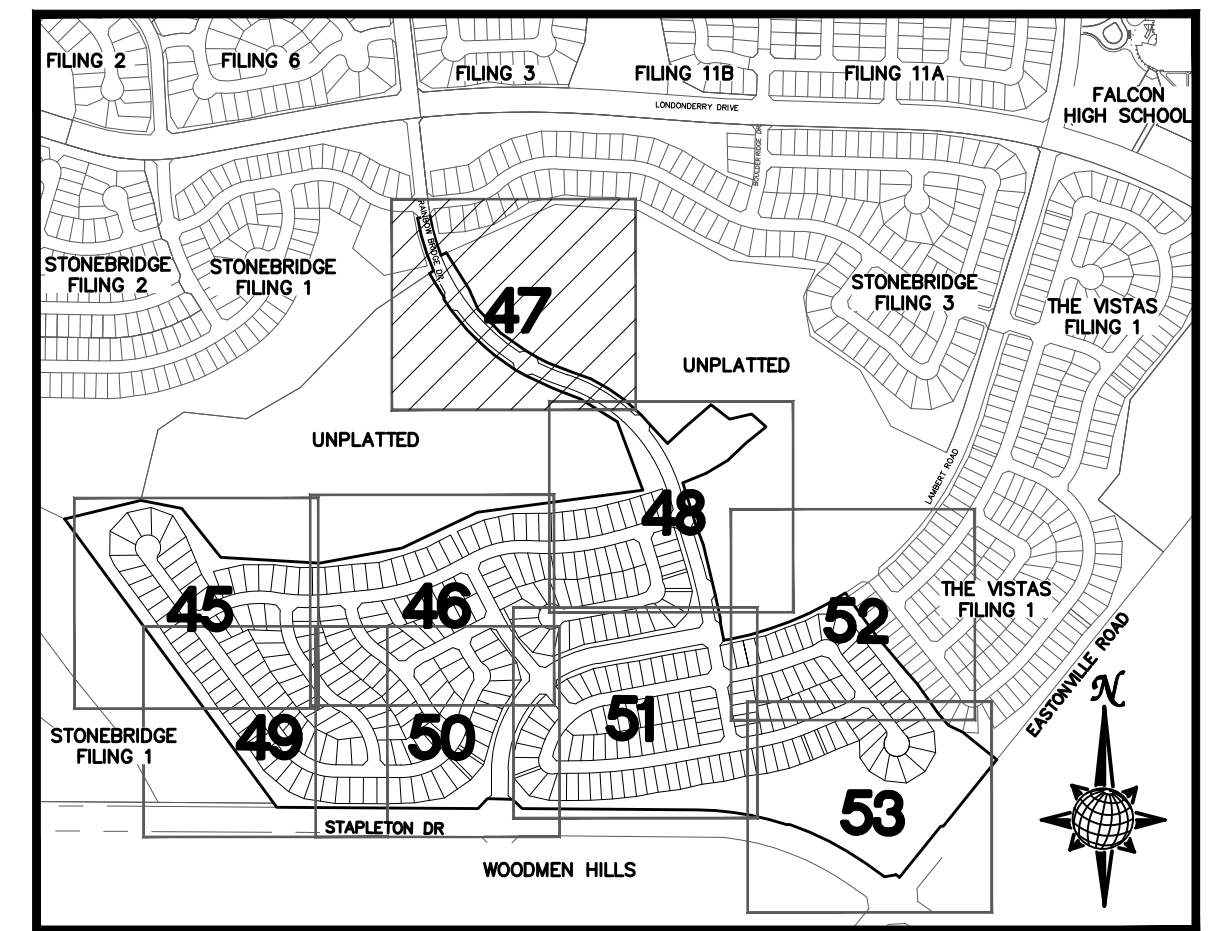
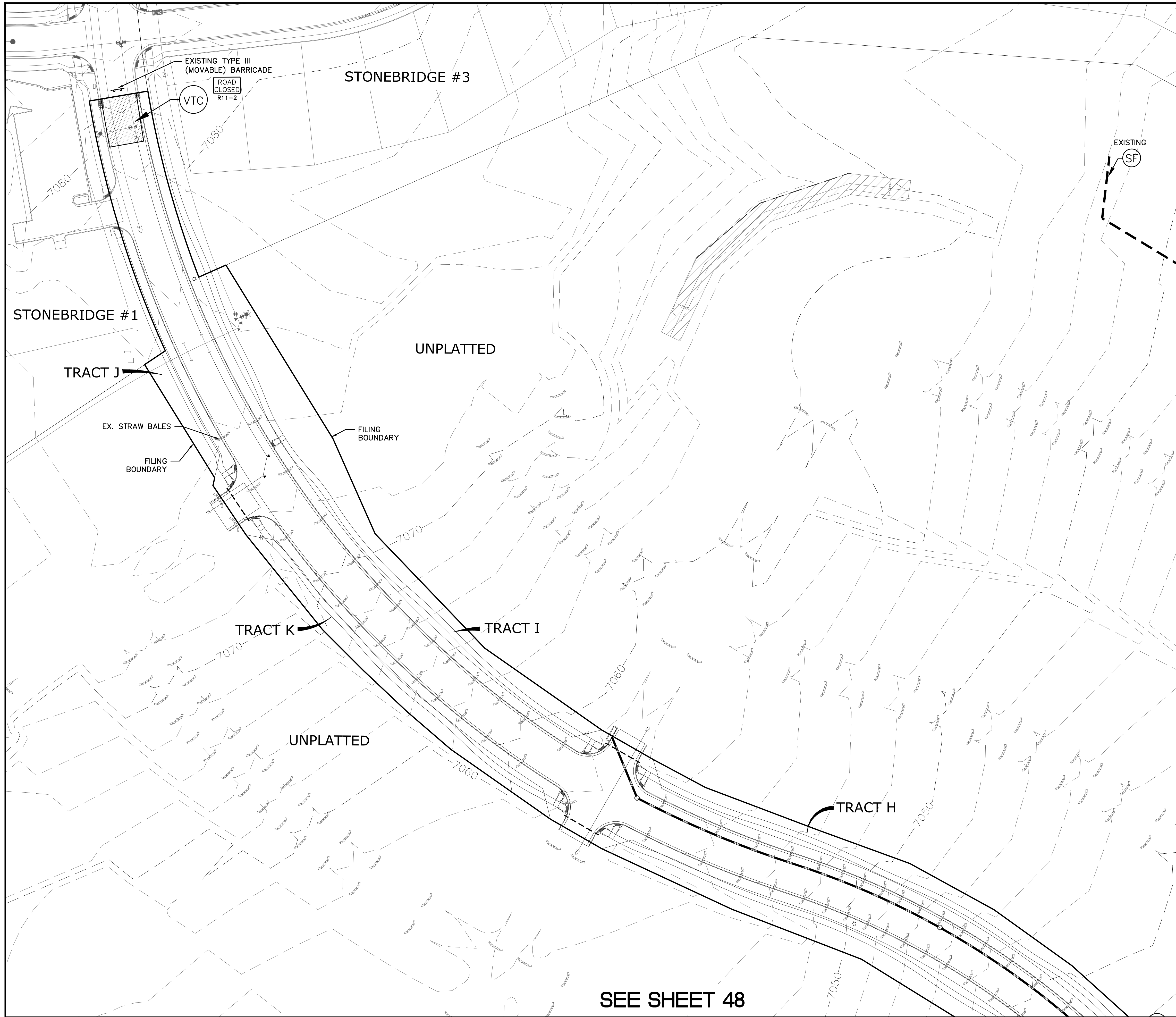
NOTE:
ALL CONTOURS SHOWN WITHIN THE PLAN SET ARE TO FINISHED SURFACE. ALL STREET SECTIONS ARE TO BE GRADED TO ROUGH SUB-GRADE AS SHOWN IN THEIR RESPECTIVE TYPICAL STREET SECTION SHOWN ON SHEET 54.

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)

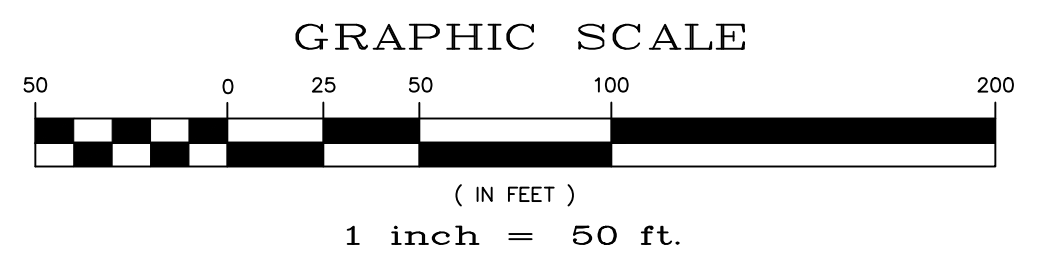
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		MERIDIAN RANCH	
WINDINGWALK FL AT MERIDIAN RANCH		GRADING+EROSION CONTROL PLAN	
PLAN SHEET		Scale AS SHOWN	
Date JAN 2018		45 of 55	
Drawn by LCA		Checked by TAK	
Date		Date	
No.		Revisions	
Date		Date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



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)

SEE SHEET 48

Date	Appr.	Date	Revisions	No.

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

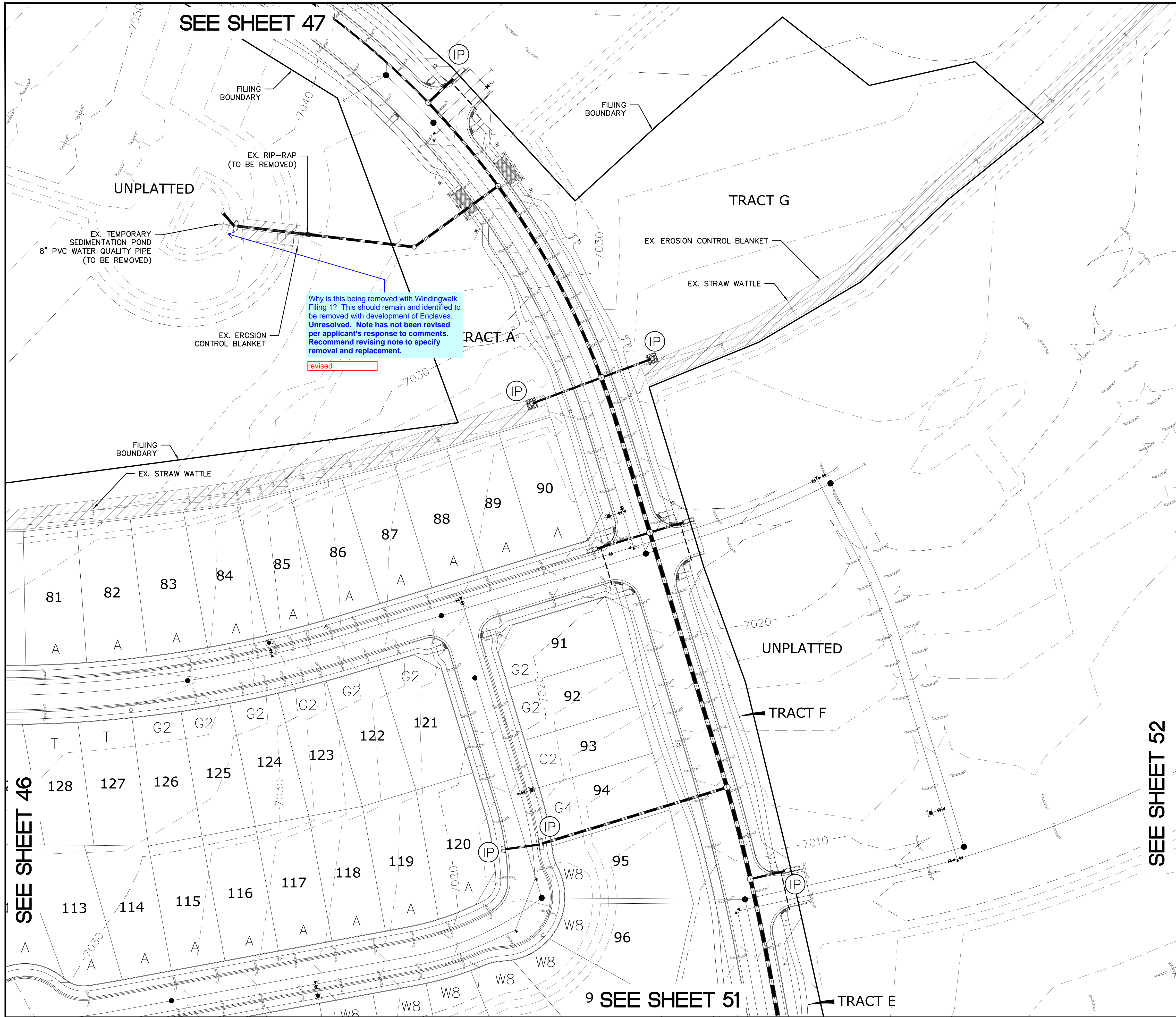


WINDINGWALK FL AT MERIDIAN RANCH
GRADING+EROSION CONTROL PLAN
PLAN SHEET

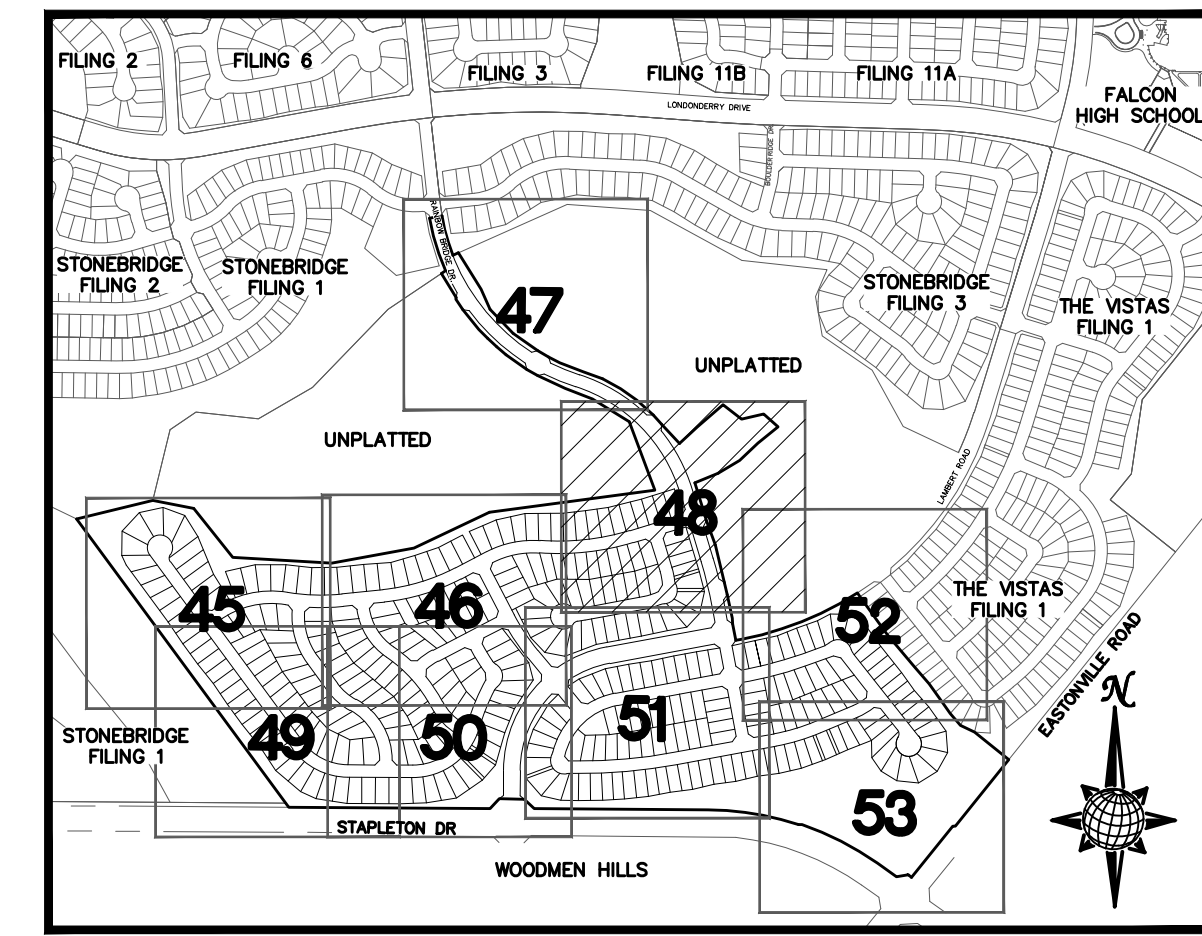
Drawn by LCA
Checked by TAK
Date JUN 2018

Scale AS SHOWN
9 of 55

Update page numbering. Unresolved
revised



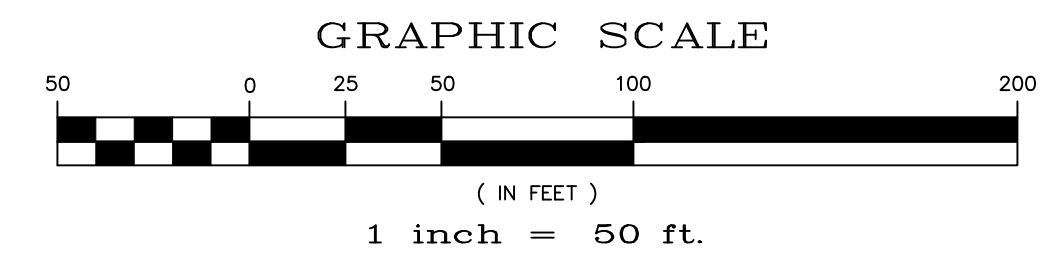
SEE SHEET 47



INDEX MAP
N.T.S.


LEGEND

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



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

CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
1)STONEBRIDGE FILING 1 AT MERIDIAN RANCH
2)STONEBRIDGE FILING 3 AT MERIDIAN RANCH
3)LONDONDERRY DRIVE/LAMBERT ROAD CONSTRUCTION DRAWINGS
4)STAPLETON DRIVE CONSTRUCTION DRAWINGS
5)GUTHRIE RAW WATER EXTENSION THE VISTAS FILING 1 OFFSITE
6)MERIDIAN RANCH FILING 11
7)VISTAS FILING 1 AT MERIDIAN RANCH




**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)

Why is this being removed with Windingwalk Filing 1? This should remain and identified to be removed with development of Enclaves. Unresolved. Note has not been revised per applicant's response to comments. Recommend revising note to specify removal and replacement.

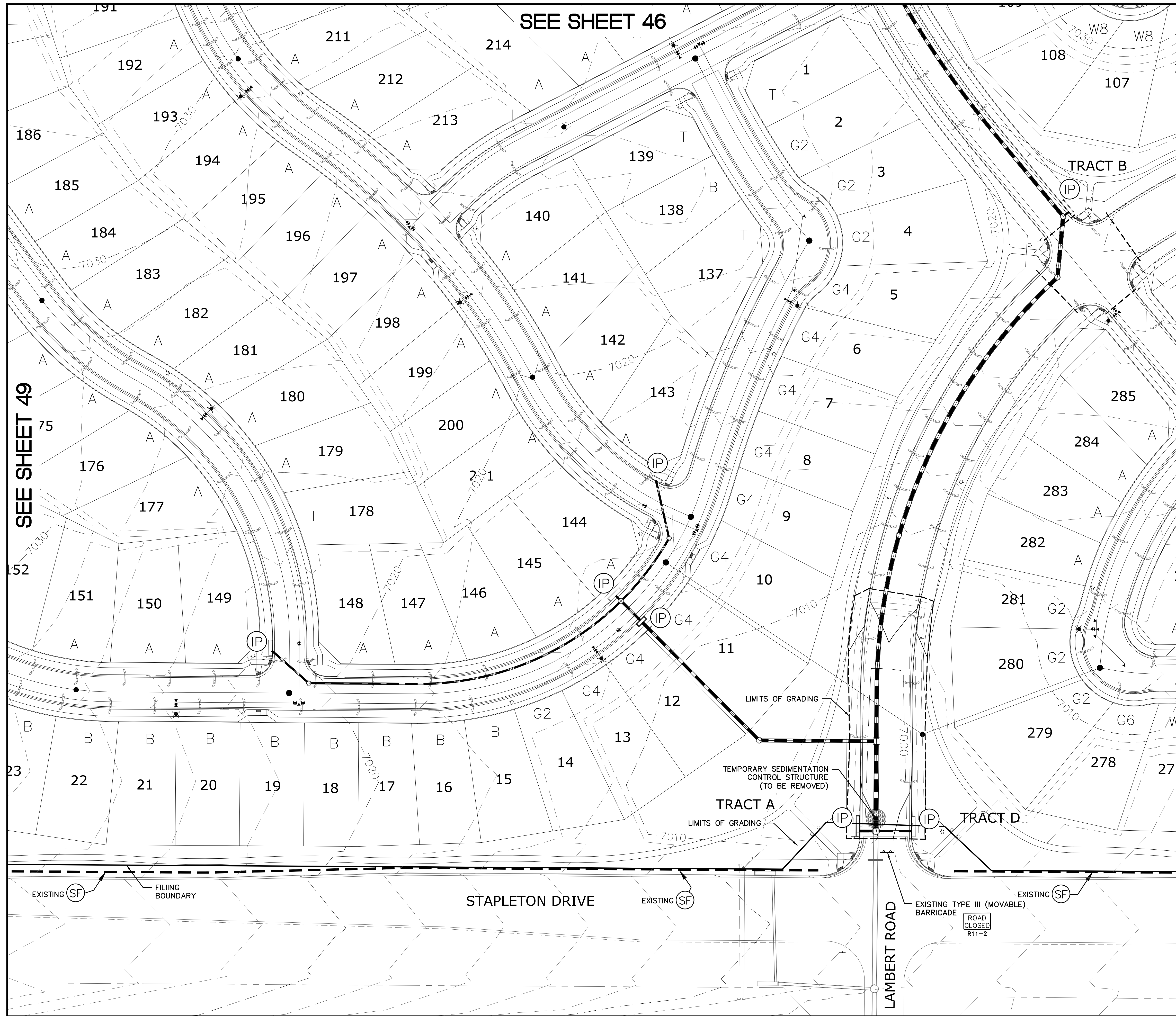
revised

 MERIDIAN RANCH	WINDINGWALK FLAT MERIDIAN RANCH GRADING+EROSION CONTROL PLAN	PLAN SHEET	Date Appr. Date Revisions No.
Drawn by LOA	Checked by TAK	Date JUN 2018	
Scale AS SHOWN	48 of 55		
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457			

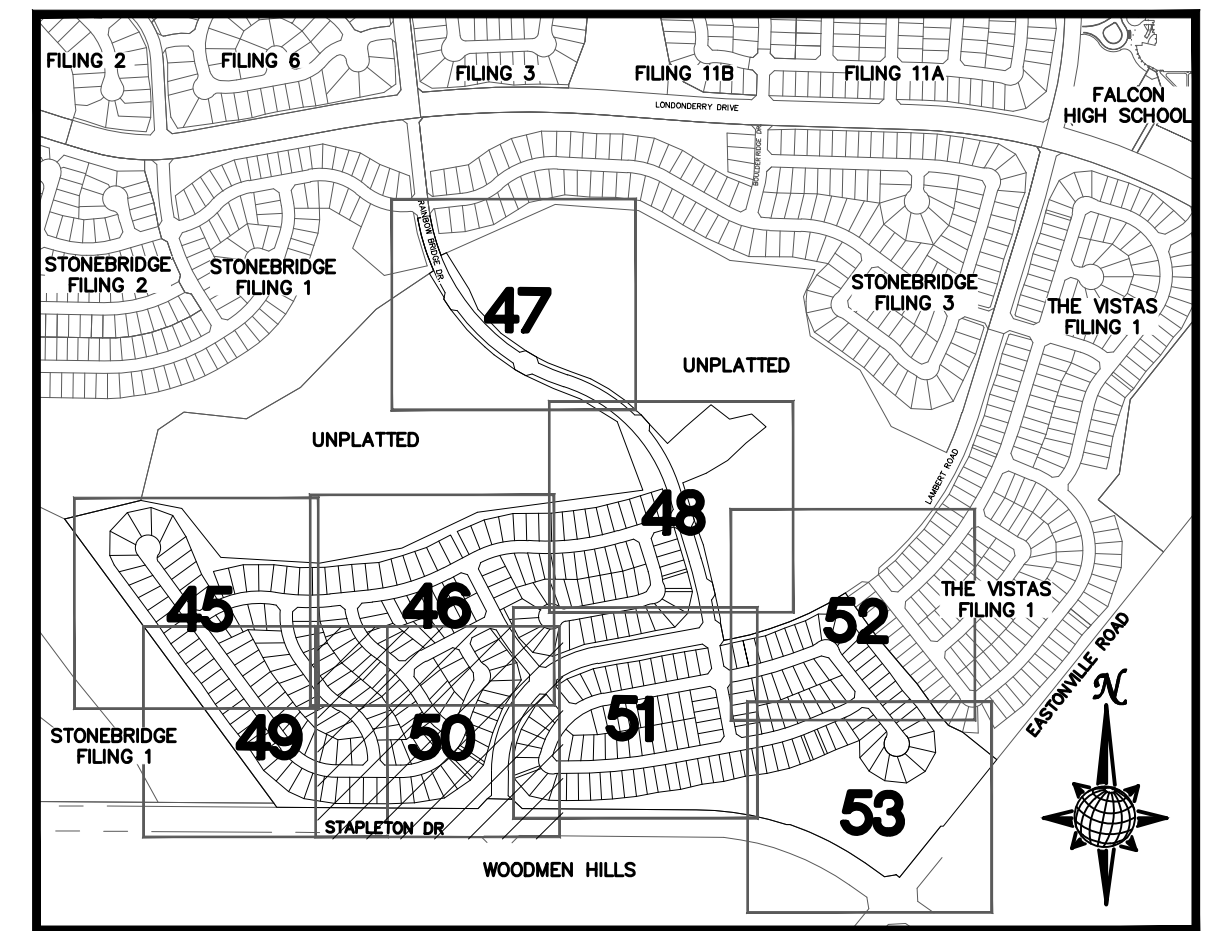
SEE SHEET 46

SEE SHEET 52

9 SEE SHEET 51



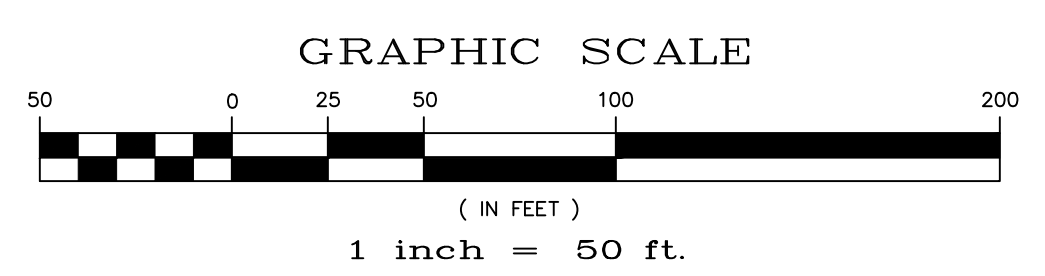
SEE SHEET 46



INDEX MAP
N.T.S.

LEGEND

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



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.

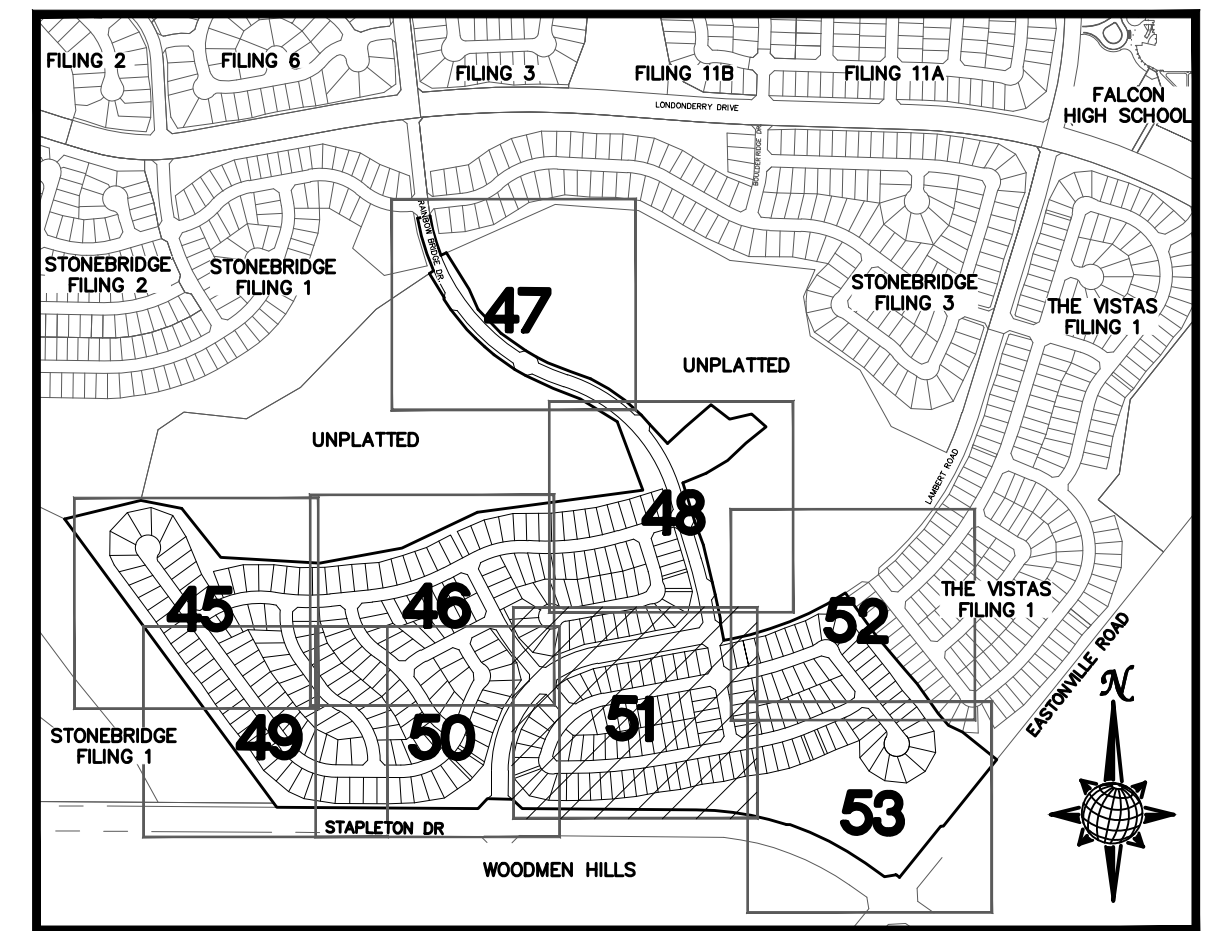
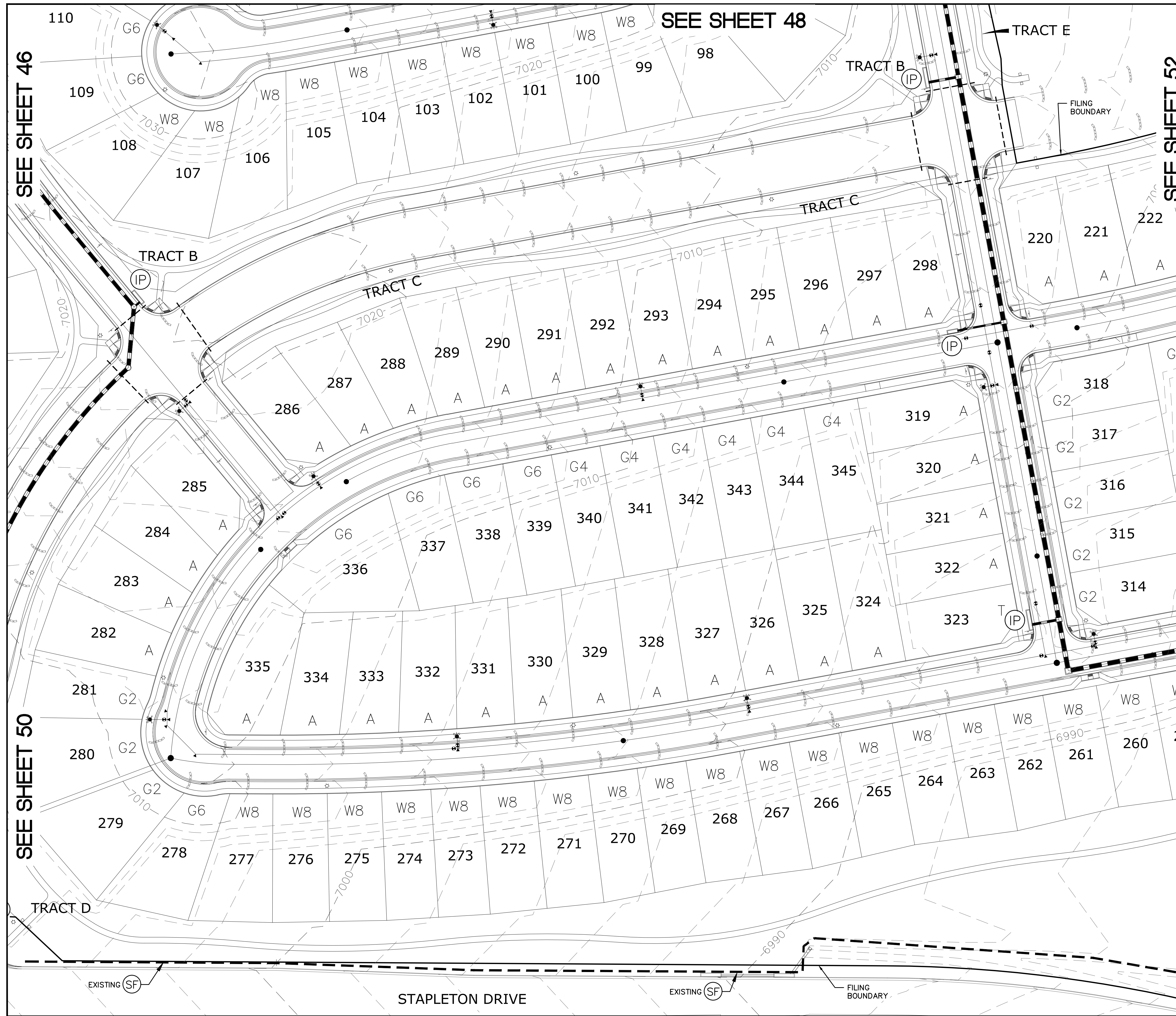
CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
1)STONEBRIDGE FILING 1 AT MERIDIAN RANCH
2)STONEBRIDGE FILING 3 AT MERIDIAN RANCH
3)LONDONDERRY DRIVE/LAMBERT ROAD CONSTRUCTION DRAWINGS
4)STAPLETON DRIVE CONSTRUCTION DRAWINGS
5)GUTHRIE RAW WATER EXTENSION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

SEE SHEET 51

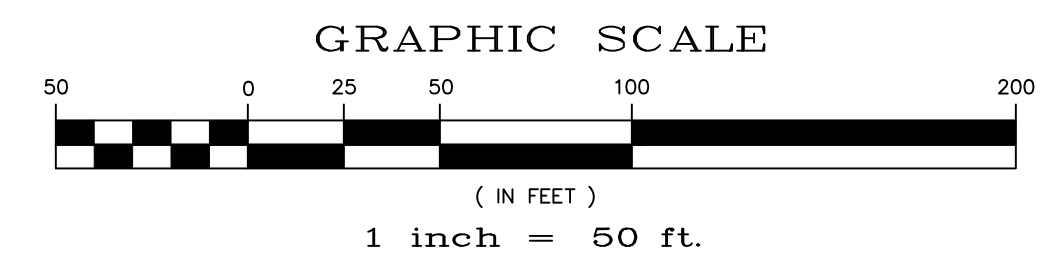
SEE SHEET 49

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



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



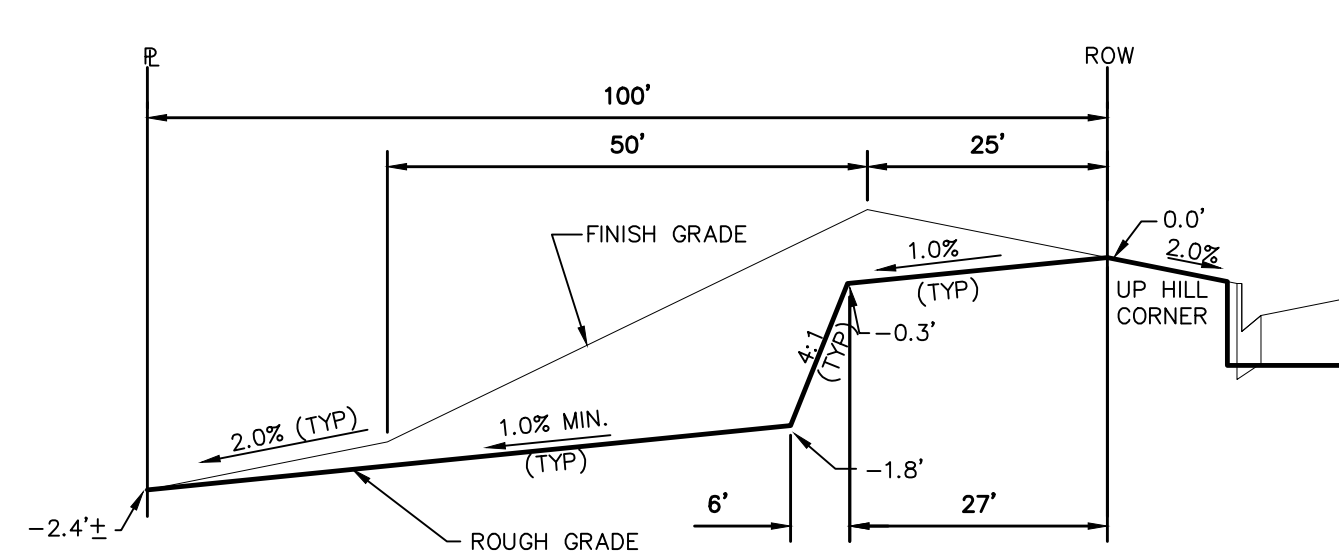
NOTE:
ALL CONTOURS SHOWN WITHIN THE PLAN SET ARE TO FINISHED SURFACE. ALL STREET SECTIONS ARE TO BE GRADED TO ROUGH SUB-GRADE AS SHOWN IN THEIR RESPECTIVE TYPICAL STREET SECTION SHOWN ON SHEET 54.

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

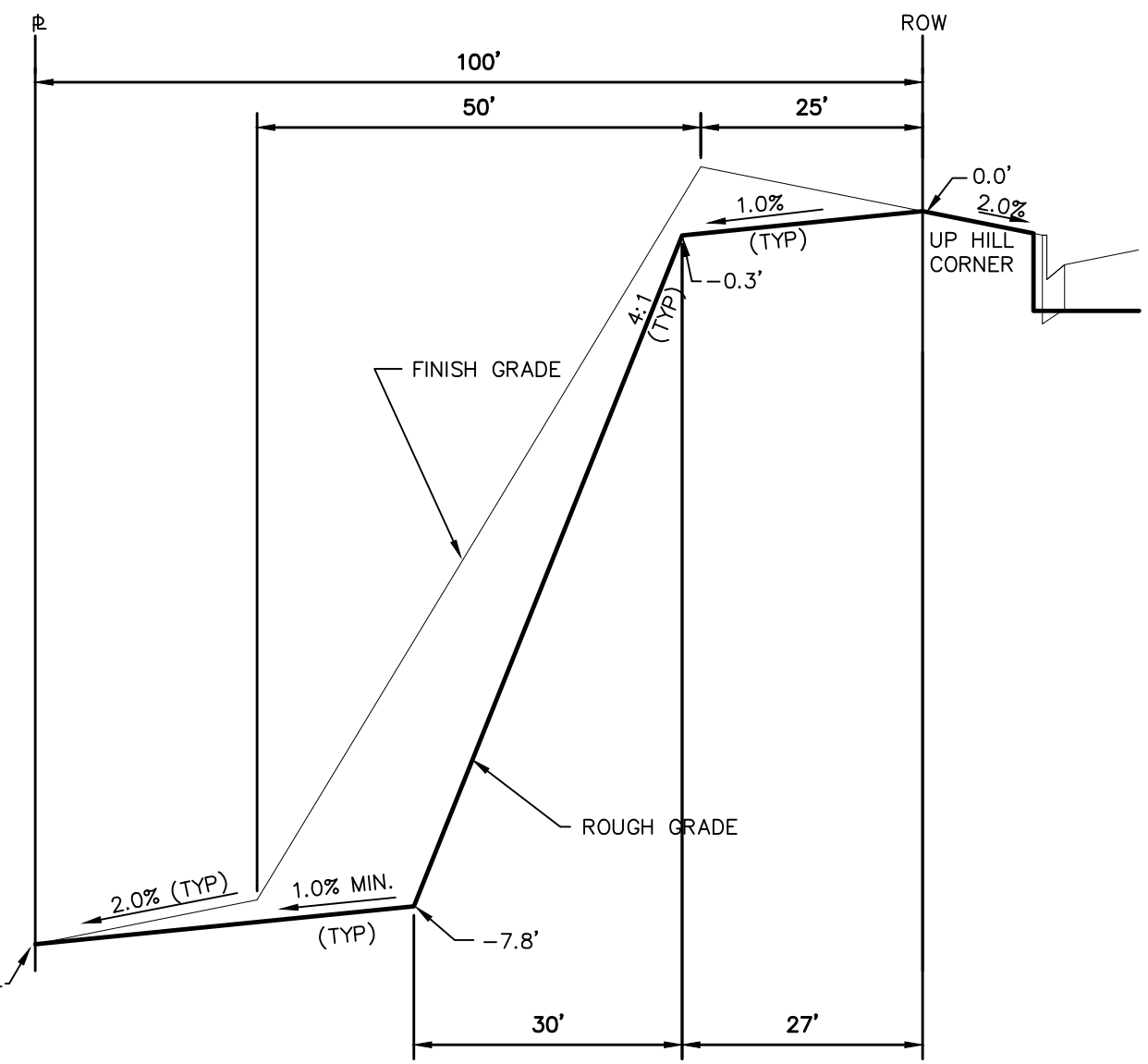
TWO WORKING DAYS BEFORE YOU DIG CALL 811

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

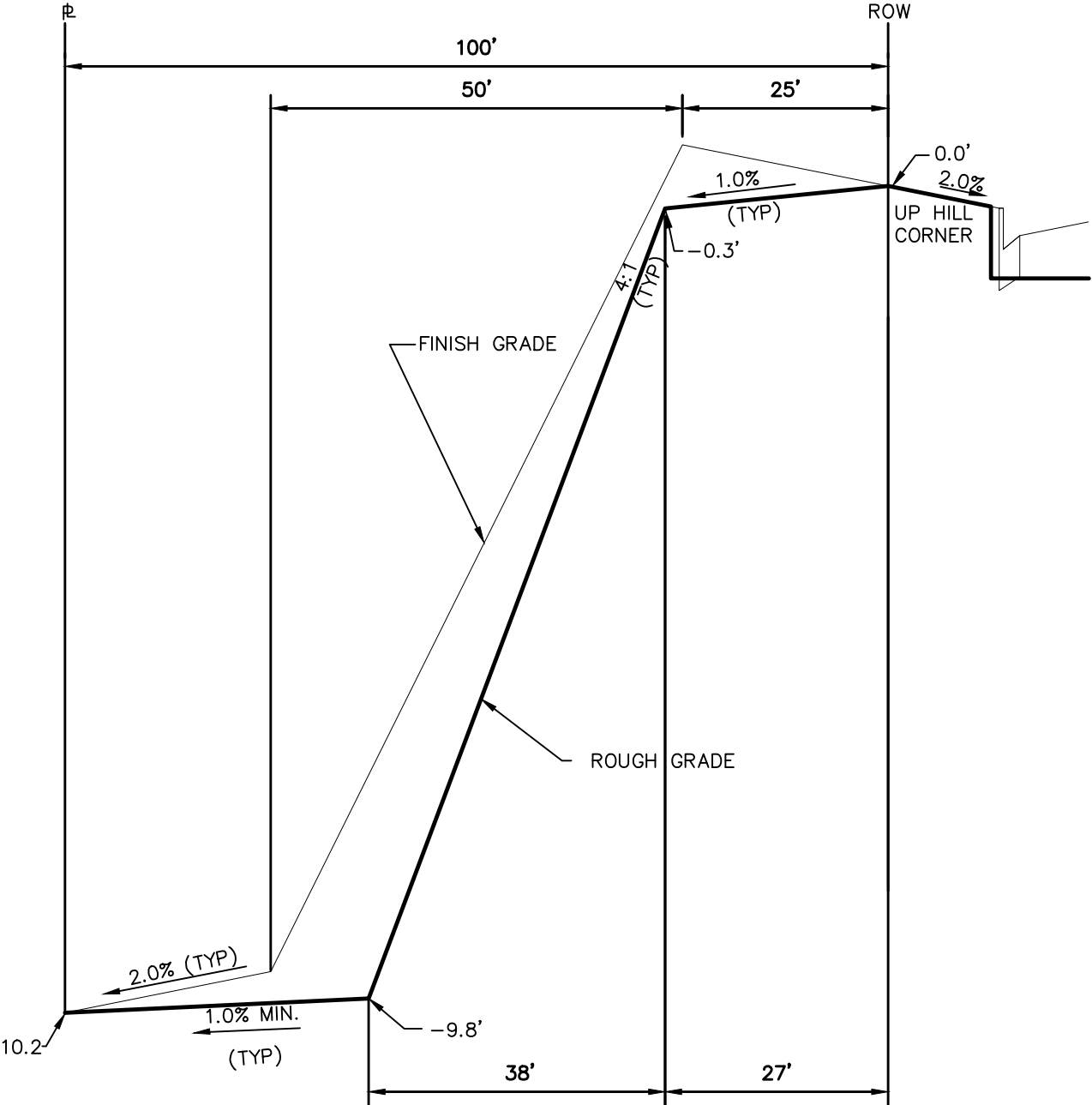
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		MERIDIAN RANCH		WINDINGWALK FL AT MERIDIAN RANCH		GRADING/EROSION CONTROL PLAN		PLAN SHEET	
Drawn by	LOG	Checked by	TAK	Date	JAN 2018	Scale	AS SHOWN	51	of 55
No.	Revisions	Date	Appr.	Date					



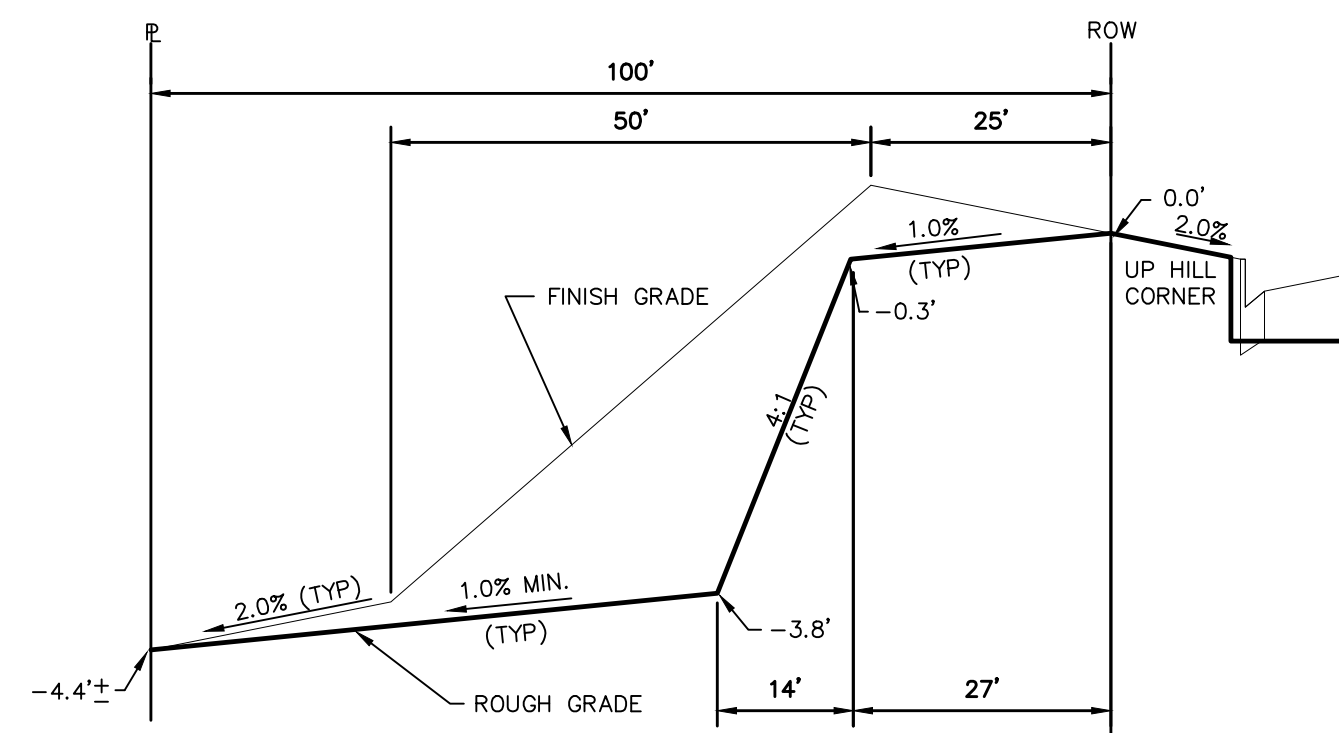
TYPICAL LOT "G2" TEMPLATES



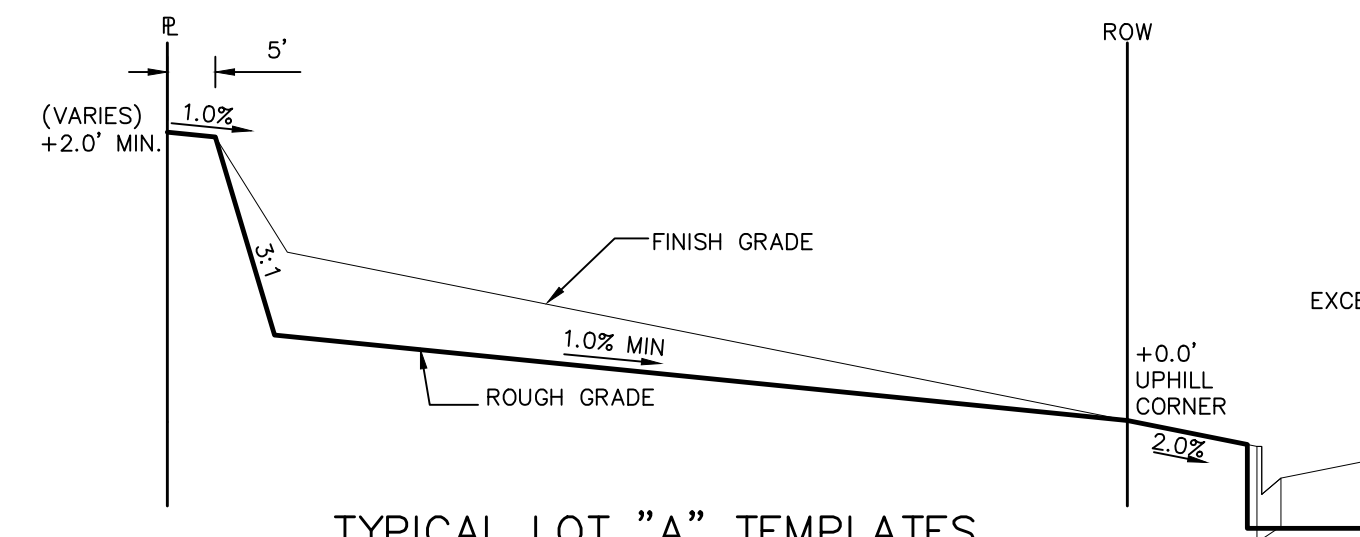
TYPICAL LOT "W8" TEMPLATES



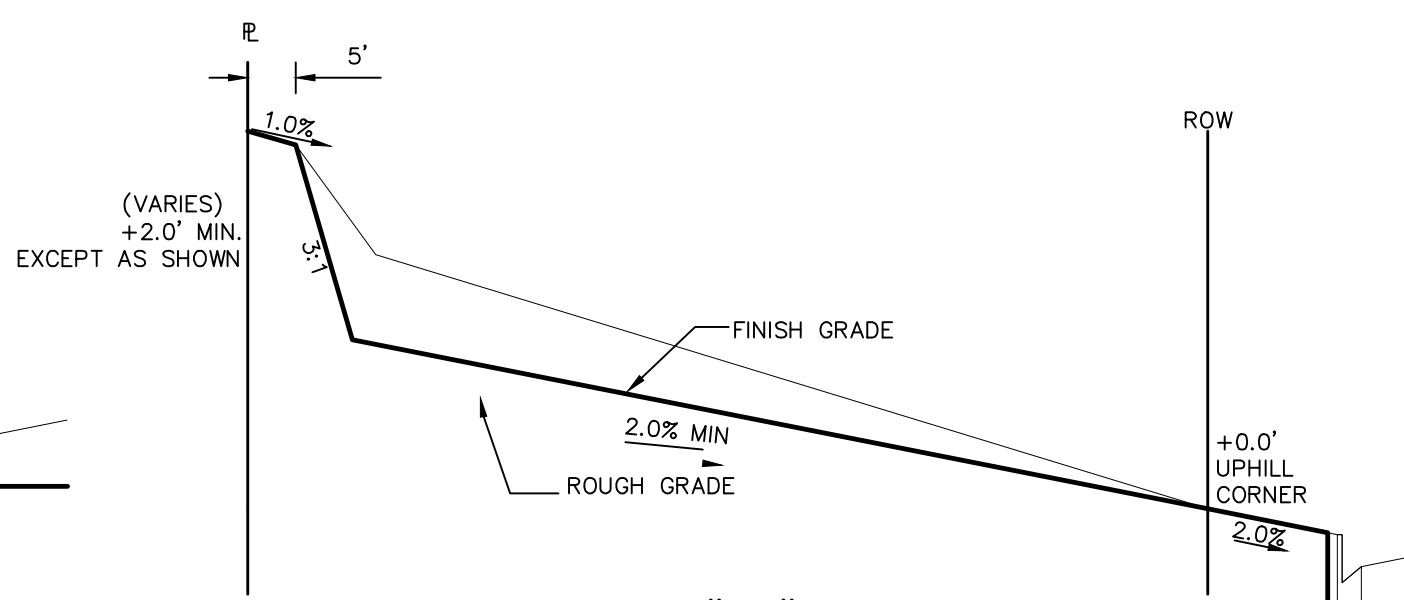
TYPICAL LOT "W10" TEMPLATES



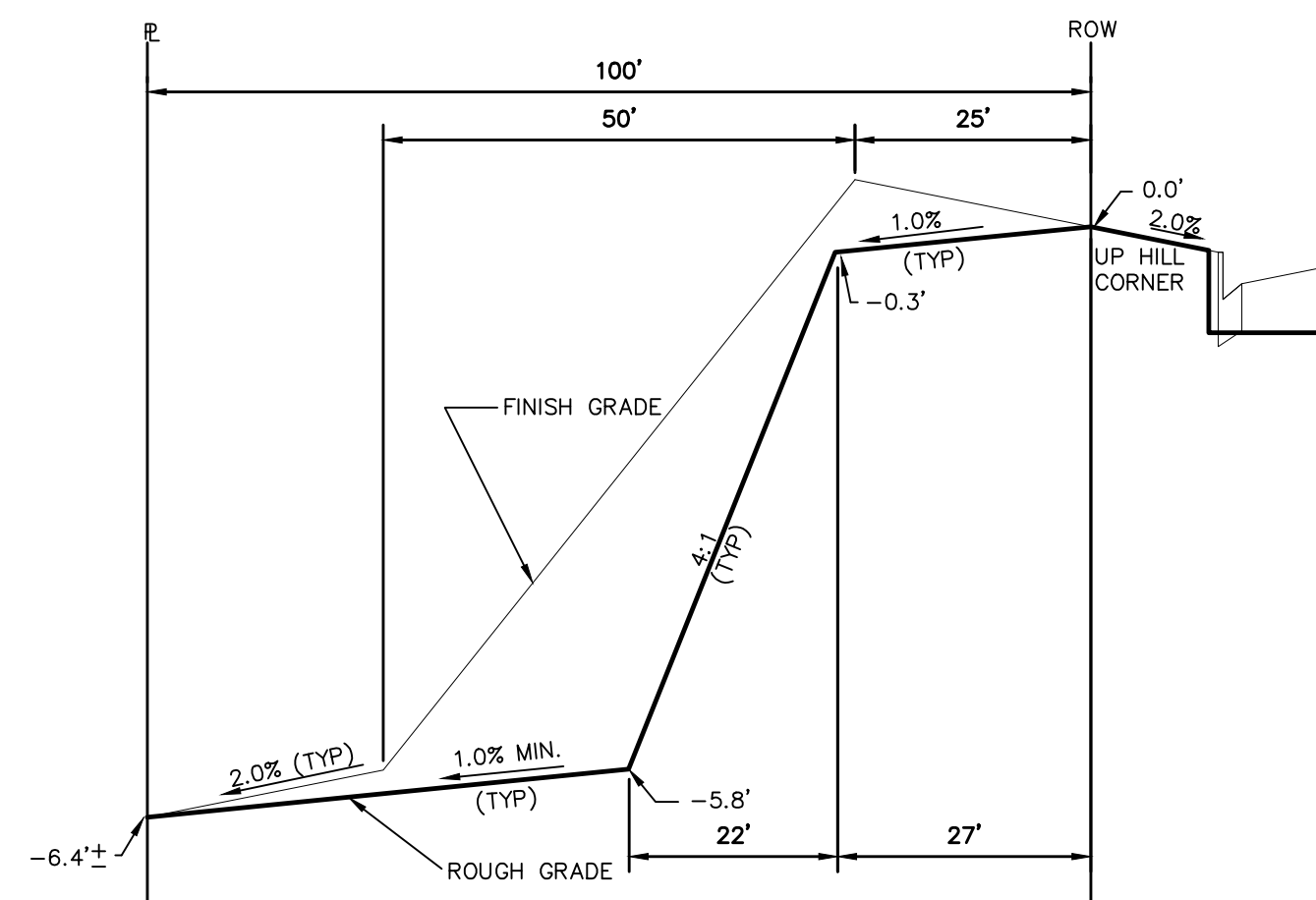
TYPICAL LOT "G4" TEMPLATES



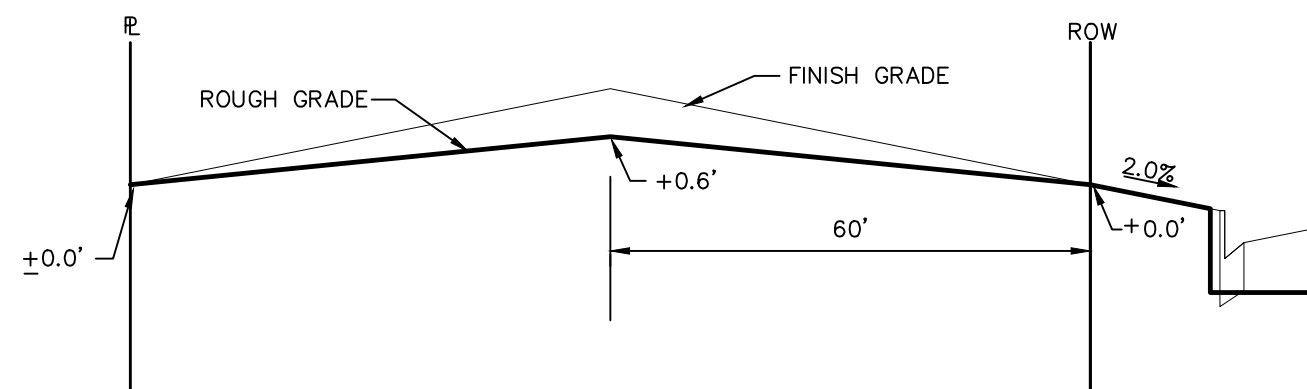
TYPICAL LOT "A" TEMPLATES



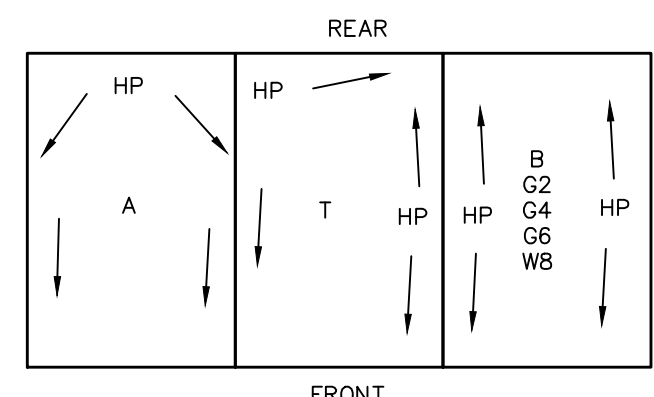
TYPICAL LOT "A*" TEMPLATES



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

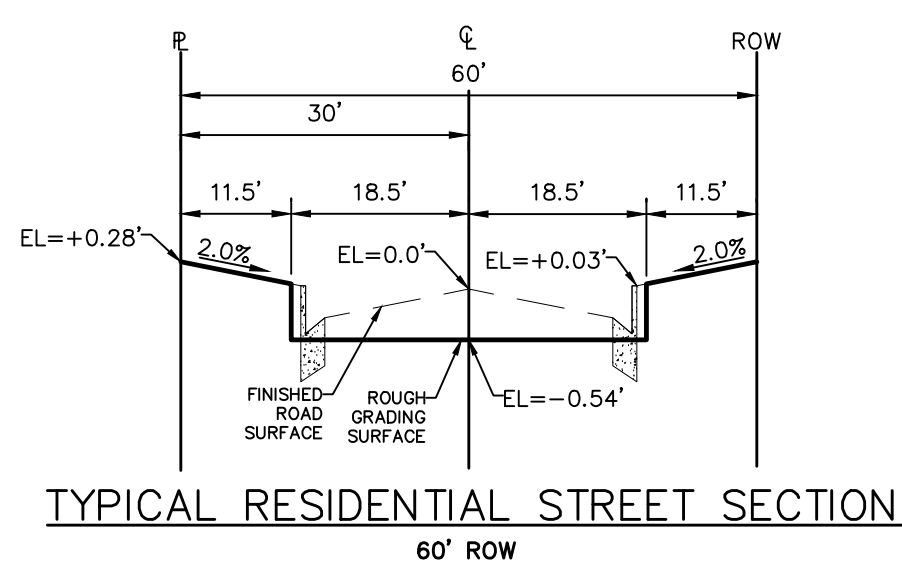
- A THOROUGH INSPECTION OF THE STORMWATER MANAGEMENT SYSTEM SHALL BE PERFORMED EVERY 14 DAYS AS WELL AS AFTER ANY RAIN OR SNOWMELT EVENT THAT CAUSES SURFACE EROSION:
- * EROSION OF V-NOTCH SWALES, CHANNELS AND SIDE SLOPES SHALL BE REPAIRED.
 - * WHEN THE CHECK DAMS HAVE SILTED UP TO HALF THEIR HEIGHT,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

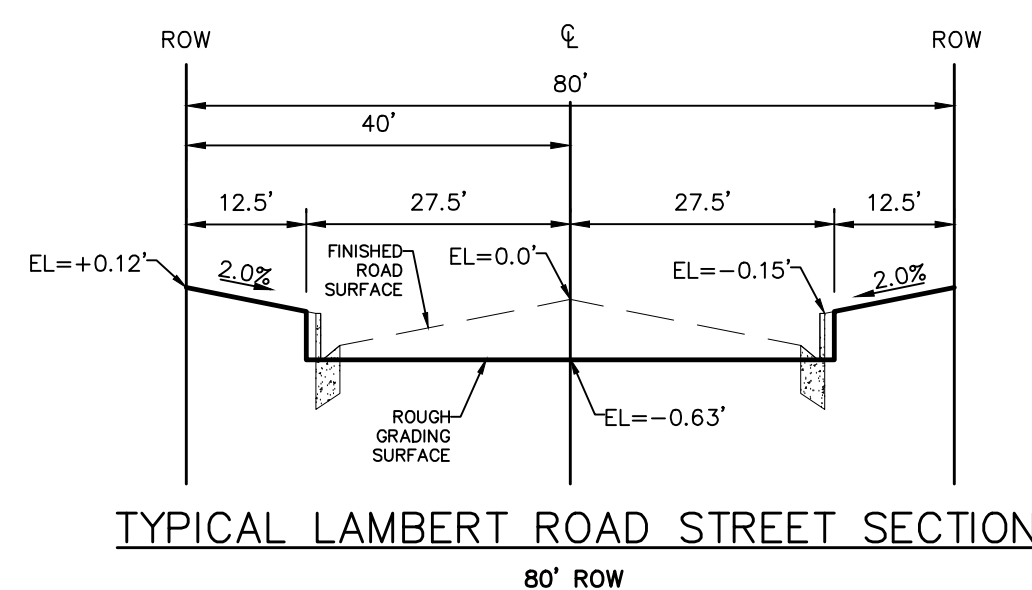
ALL DISTURBED AREAS SHALL BE REQUIRE SEEDING WITHIN TWO (2) WEEKS FOLLOWING THE ESTABLISHMENT OF FINAL GRADE. AREAS TO RECEIVE PAVEMENT DURING THE CONSTRUCTION OF THE ROAD SYSTEM SHALL NOT RECEIVE ANY SEEDING. SEEDING SHOULD BE ACCOMPLISHED USING AN APPROPRIATE GRASS DRILL, BY BROADCASTING OR BY HYDROMULCHING.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

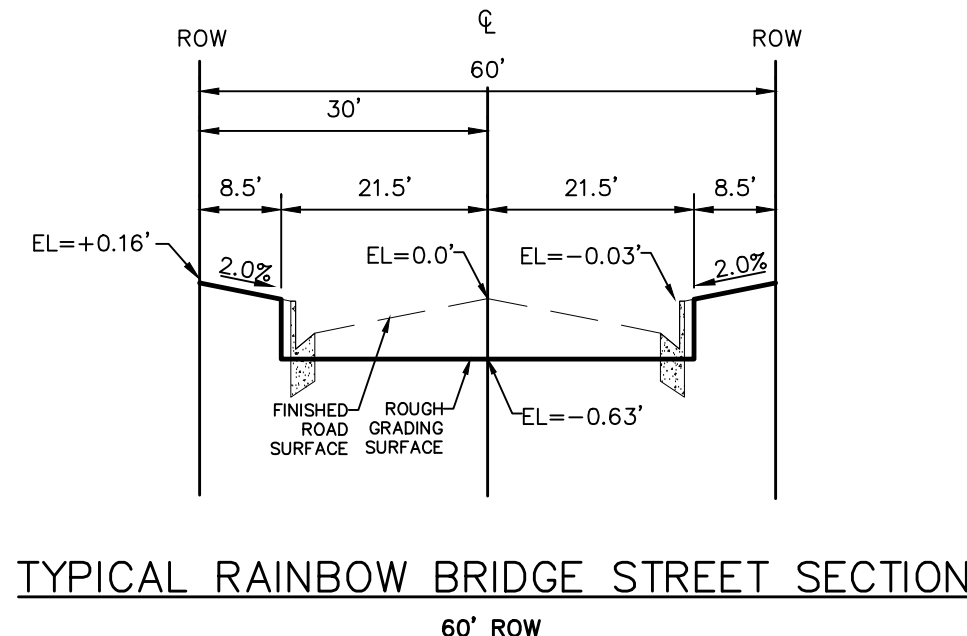
GRASS	VARIETY	AMOUNT IN PLS LBS. PER ACRE
SIDEOTS GRAMA	EL RENO	3.0
WESTERN WHEATGRASS	BARTON	2.5
SLENDER WHEATGRASS	NATIVE	2.0
LITTLE BLUESTERN	PASTURA	2.0
SAND DROPSSEED	NATIVE	0.5
SWITCH GRASS	NEBRASKA	3.0
WEEPING LOVE GRASS	MORPHA	1.0



TYPICAL RESIDENTIAL STREET SECTION



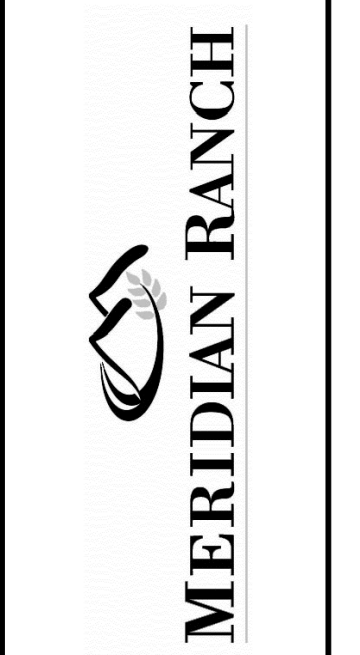
TYPICAL LAMBERT ROAD STREET SECTION



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)

