





### GENERAL NOTES

- SANITARY SEWER NOTES

25. WHEN A RESIDENTIAL SEWER SERVICE IS INSTALLED ON AN EXISTING SEWER MAIN A DOUBLE STRAP STAINLESS STEEL SADDLE TYPE JOINT SHALL BE USED TO CONNECT THE SERVICE TO THE MAIN. THE JOINT SHALL BE CLEANED AND VIDEO INSPECTED TO ENSURE THAT THE JOINT IS PROPERLY INSTALLED AND THE SERVICE IS FREE OF OBSTRUCTIONS. ALLOWED ALL SEWER SERVICE CORE CUTOUTS MUST BE RECOVERED AND RETURNED TO THE DISTRICT FOR INSPECTION. IF ALL SEWER SERVICE CORE CUTOUTS ARE RECOVERED COMPLETELY THEN NO VIDEO INSPECTION IS REQUIRED. IF ANY PORTION OF THE SEWER MAIN IS NOT RECOVERED OR ANY PORTION OF THE SERVICE IS NOT RECOVERED THEN VIDEO INSPECTION IS REQUIRED. AFTER VIDEO INSPECTION THE SERVICE SHALL BE CLEANED AND VIDEO INSPECTED TO ENSURE THAT THE SEWER SERVICE CORES OR PORTION THERE FROM IS RECOVERED.
26. SANITARY SEWER MAIN LENGTHS ARE MH CENTER TO MH CENTER. ALL SANITARY SEWER PIPES SHALL BE SDR 35 PVC OR EQUAL. MINIMUM PIPE SIZE SHALL BE 8 INCH. ALL SANITARY SEWER CONNECTIONS SHALL BE 90 DEGREE ELBOWS. ALL SANITARY SEWER SHALL BE 12 INCH PVC PUSH-ON WYES FOR SANITARY SEWER LATERAL CONNECTIONS TO THE SANITARY SEWER MAIN. TAPPING SADDLES MAY ONLY BE USED FOR TAPPING PRE-EXISTING SANITARY SEWER MAINS. ALL LOTS SHALL RECEIVE A 4" SANITARY SEWER SERVICE. THE SERVICE SHALL BE 12 INCH PVC PUSH-ON WYE. THE SERVICE SHALL BE 12 INCH PVC PUSH-ON WYE. THE SERVICE SHALL BE 12 INCH PVC PUSH-ON WYE. FINISH GRADE FROM THE END OF THE SERVICE LOCATION AND PAINTED GREEN ABOVE FINISH GRADE. EXTEND THE COATED 12 GAUGE U/V TRACER WIRE TO THE END OF EACH SANITARY SEWER LATERAL UP TO THE SURFACE. COILED UNDER THE 2" X 4" MARKER. ALL CONNECTIONS SHALL BE WATER TIGHT STYLE OF APPROVED ELECTRICAL CONNECTORS SUCH AS A DBI CORRECT BUSHING YELLOW OR EQUAL.

## WATER NOTES

27. ALL WATER MAIN PIPES SHALL BE AWWA C900 PVC, PRESSURE CLASS 200 OR MSMD APPROVED EQUIV. INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL WATER MAIN FITTINGS SHALL HAVE MECHANICAL RESTRAINTS AND THRUST BLOCKS. ALL WATER MAINS SHALL BE 36" MINIMUM DIAMETER.
28. ALL LOTS SHALL RECEIVE A MINIMUM 3/4" DIAMETER HDPE OR COPPER WATER SERVICE INSTALLED PER APPROVED PLANS, CSM-7 AND MSMD SPECIFICATIONS. HDPE WATER SERVICE SHALL BE HDPE SD17 PE4710 RATED FOR 200 PSI WITH THE MARKING SD17-A, AWWA C901, NSF61 PE4710. WATER SERVICES SHALL BE INCREASED IN SIZE TO 1" DIAMETER WHERE THE RESIDENTIAL SERVICE WATER MAINS CROSS UNDER A HIGHWAY OR RAILROAD. WATER SERVICES SHALL BE INSTALLED TO THE CURB STOP VALVE AND SHALL BE LOCATED WITHIN THE PLANS. THE CURB STOP VALVE AND CURB AT THE END OF EACH WATER SERVICE SHALL BE "LOCATED" WITH A 2" x 4" PIECE OF WOOD EXTENDED 4' ABOVE FINISH GRADE, PAINTED BLUE, DIRECTLY BEHIND THE CURB STOP VALVE. PLACER BIRD WIRE CONNECTIONS SHALL BE MADE WITH DRY (DIRECT BUR) YELLOW WATER TIGHT STYLE ELECTRICAL CONNECTORS OR EQUIV.

1. ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).

3. CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:
- a. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
  - b. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
  - c. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
  - d. CDOT M & S STANDARDS

4. NOTWITHSTANDING ANYTHING EXPECTED 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 SUPPLEMENTATIONS FROM REGULATIONS AND STANDARDS. ANY CHANGES MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.

5. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.

6. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT (PCD) – INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.

7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS—ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.

8. CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.

9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
10. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.

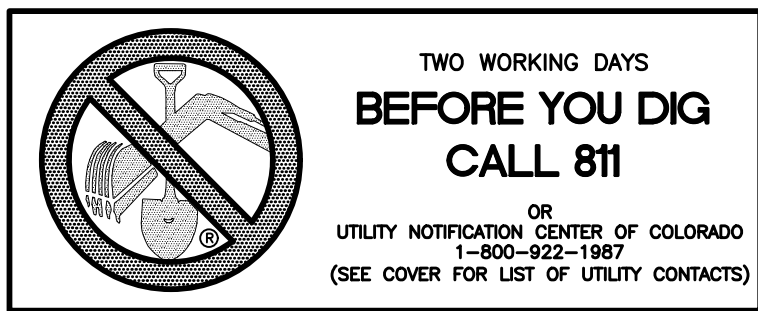
11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
12. SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.

13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS AND MUTCD CRITERIA.  
[IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.]

14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS BY EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS.

15. THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

THE ABOVE GUIDELINES ARE SUBJECT TO CHANGE AT ANY TIME.



GRAPHIC SCALE

200                      0                      100                      200                      400                      800

( IN FEET )

1 inch = 200 ft.

<i>No.</i>	<i>Revisions</i>	<i>Date</i>	<i>Invt.</i>	<i>Appr.</i>	<i>Date</i>

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

# MERIDIAN RANCH

STONEBRIDGE FILING 4 AT  
MERIDIAN RANCH  
STREET AND UTILITY PLANS

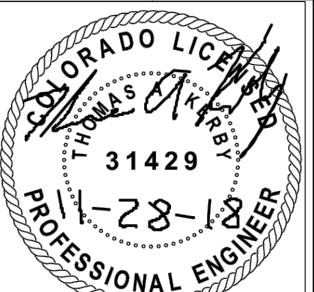
## INDEX SHEET

Drawn by  
LOG

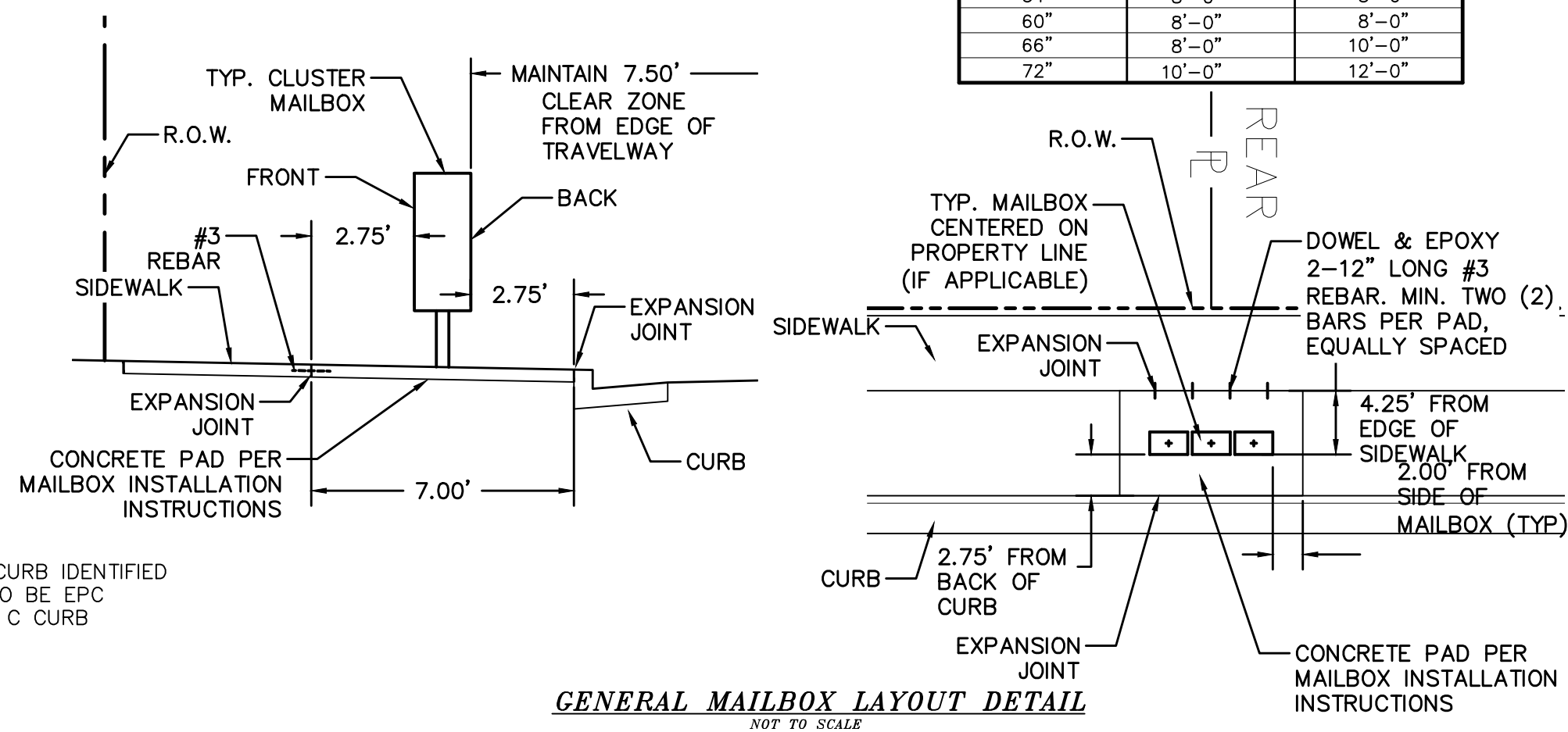
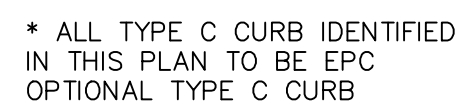
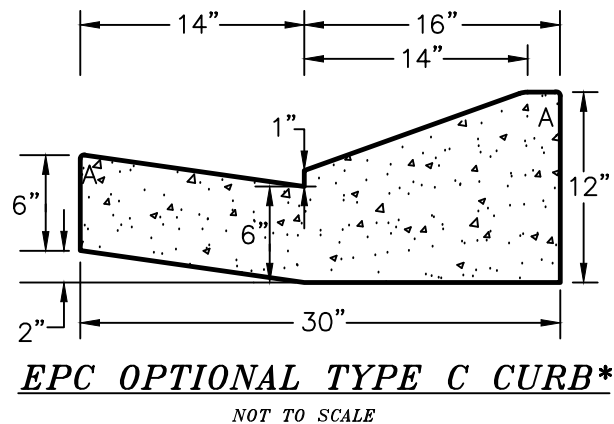
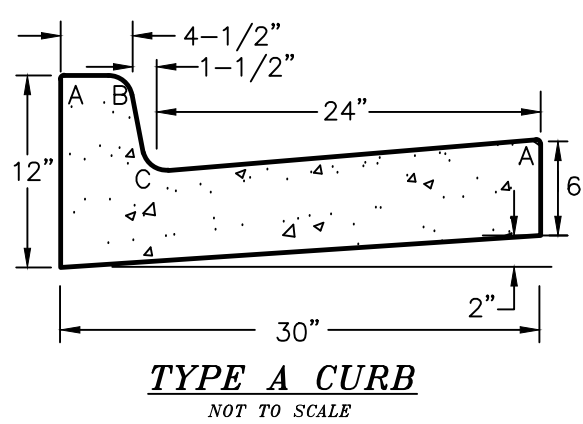
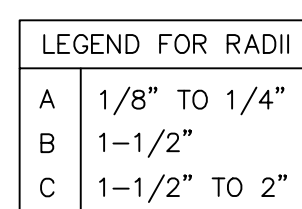
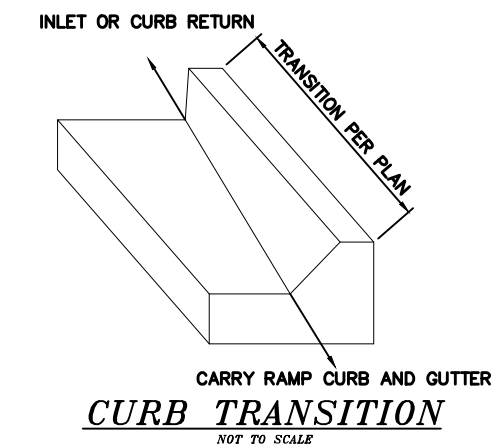
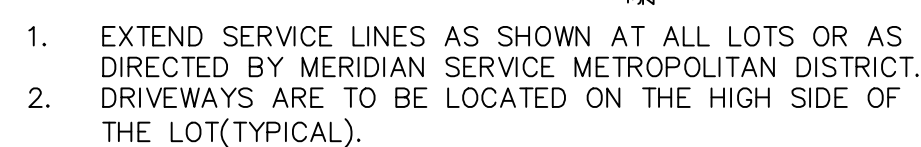
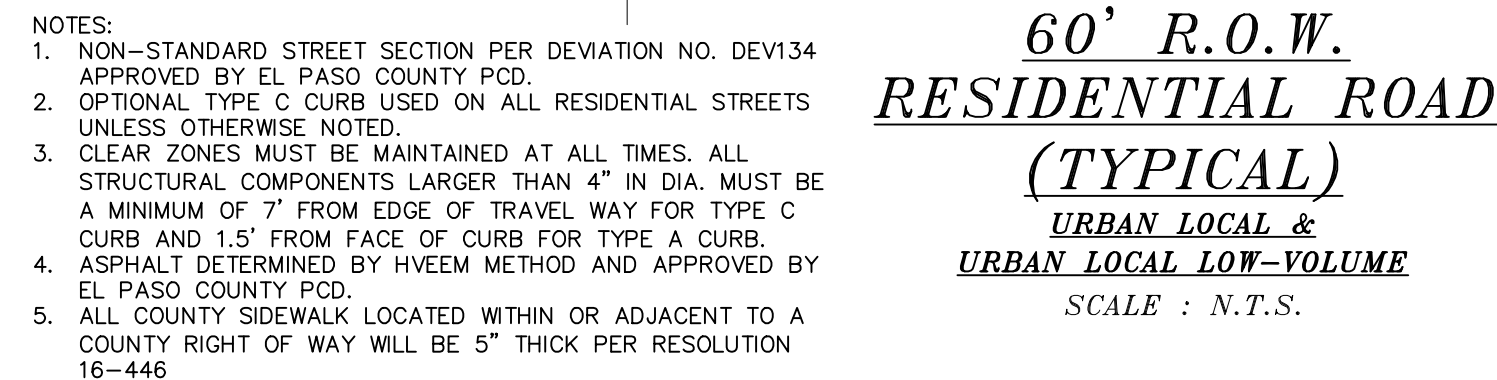
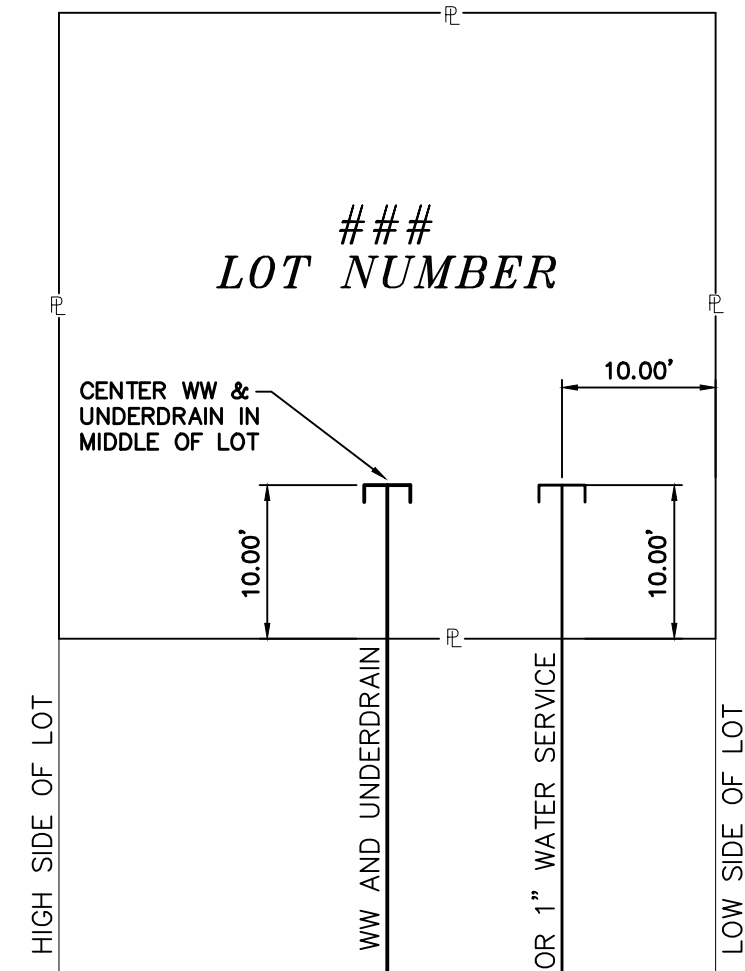
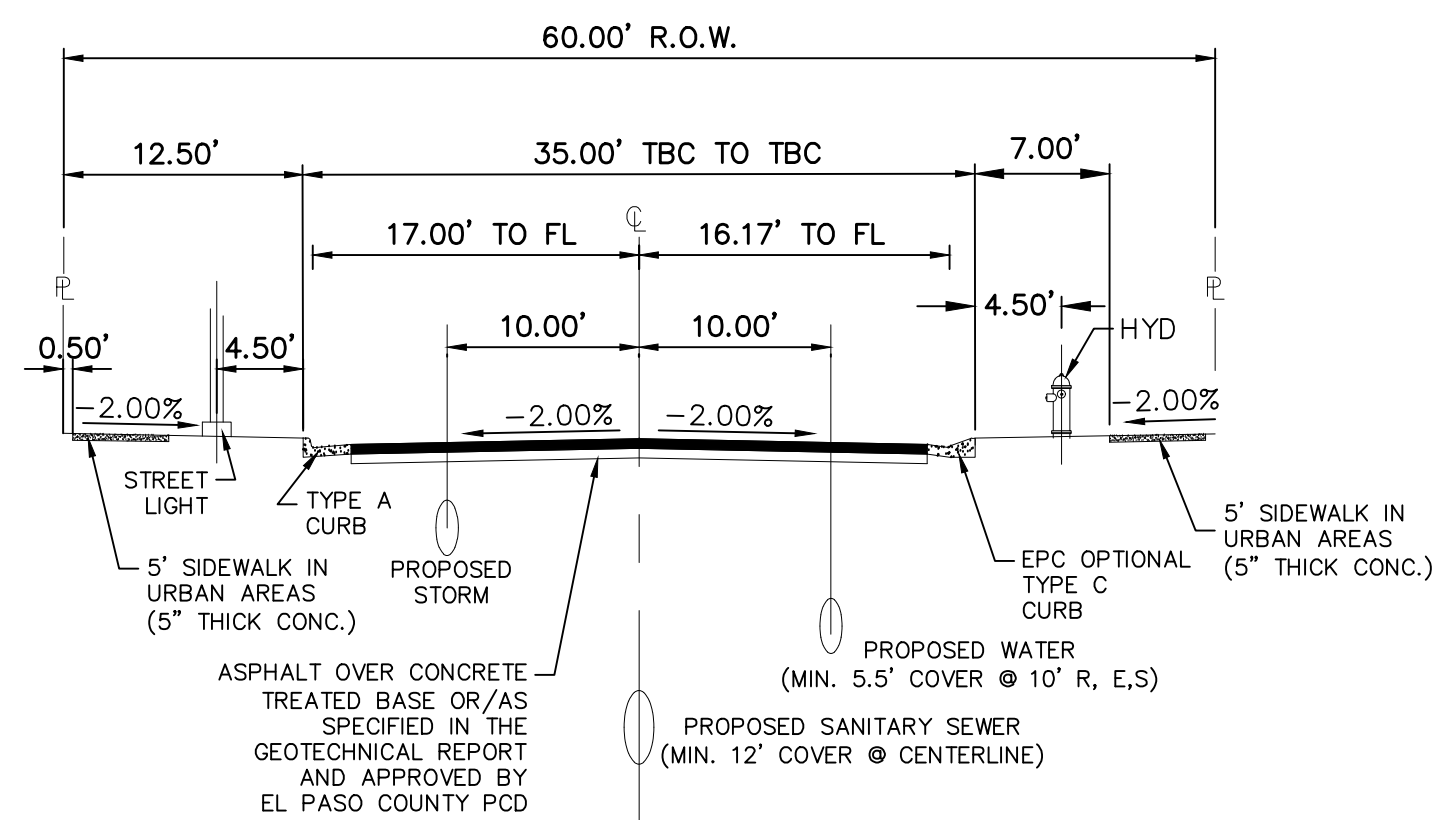
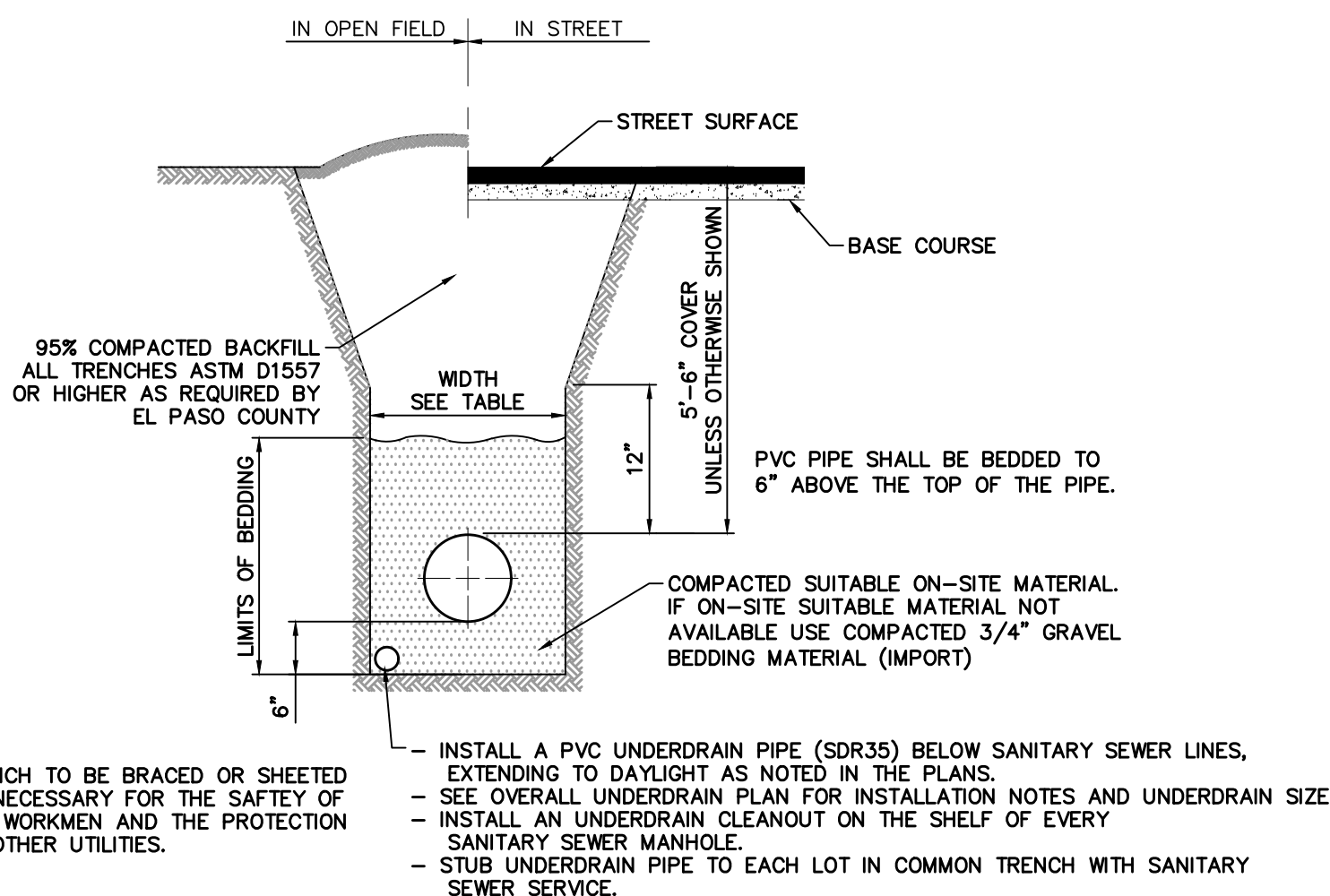
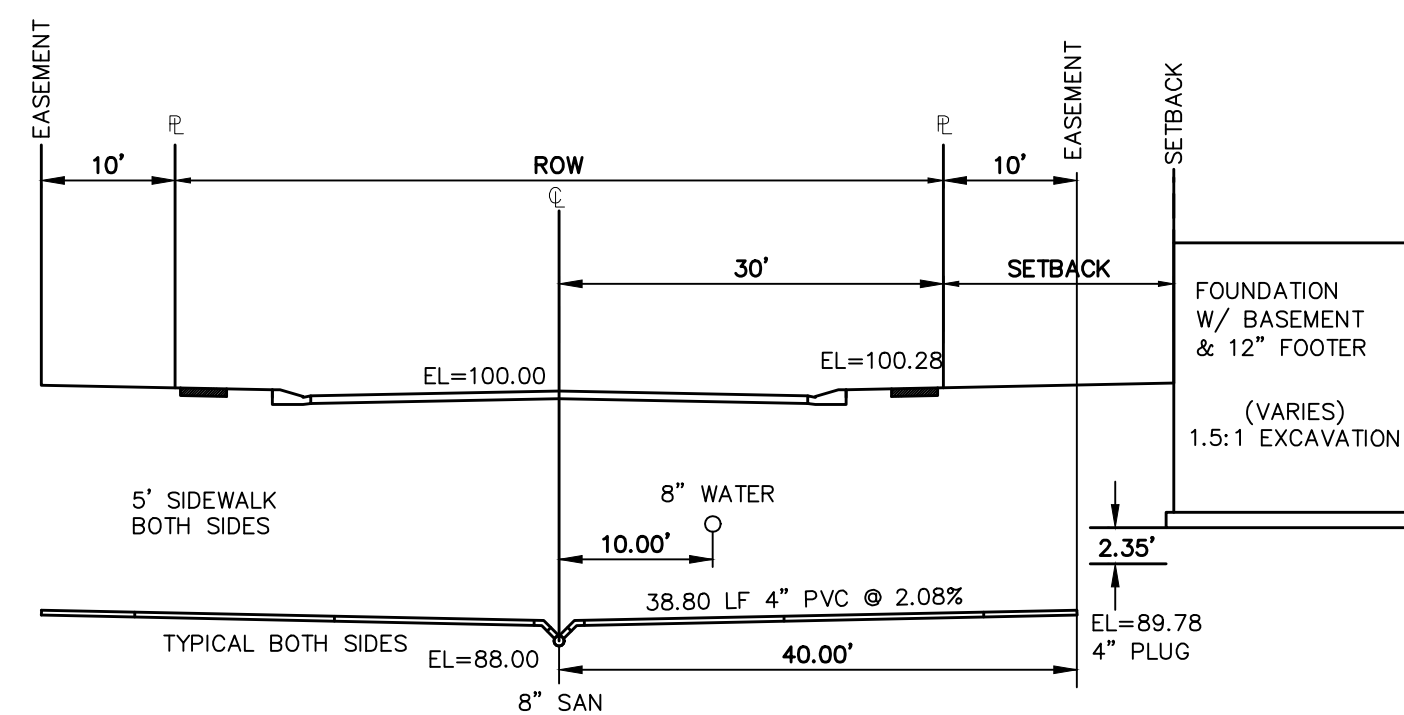
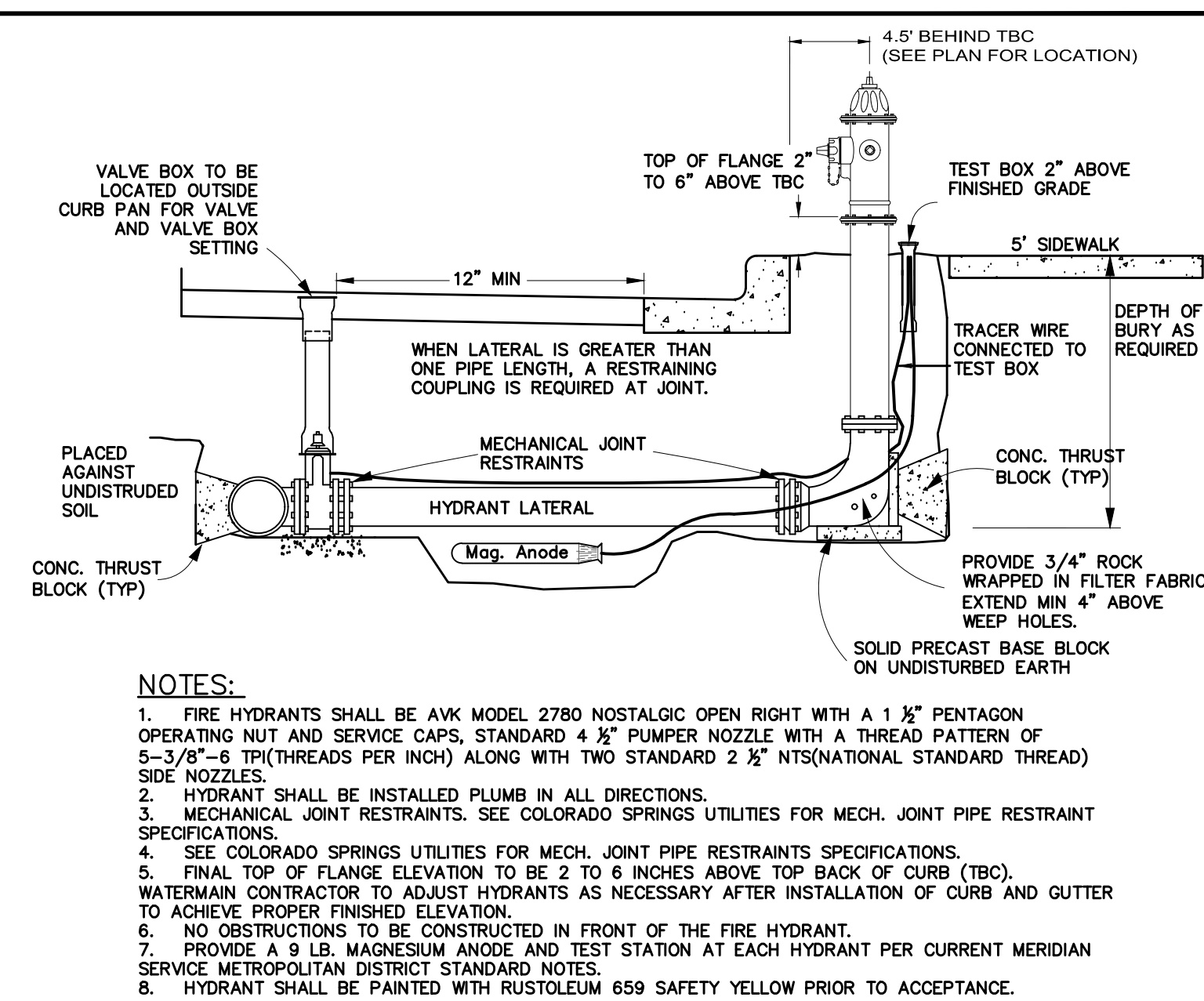
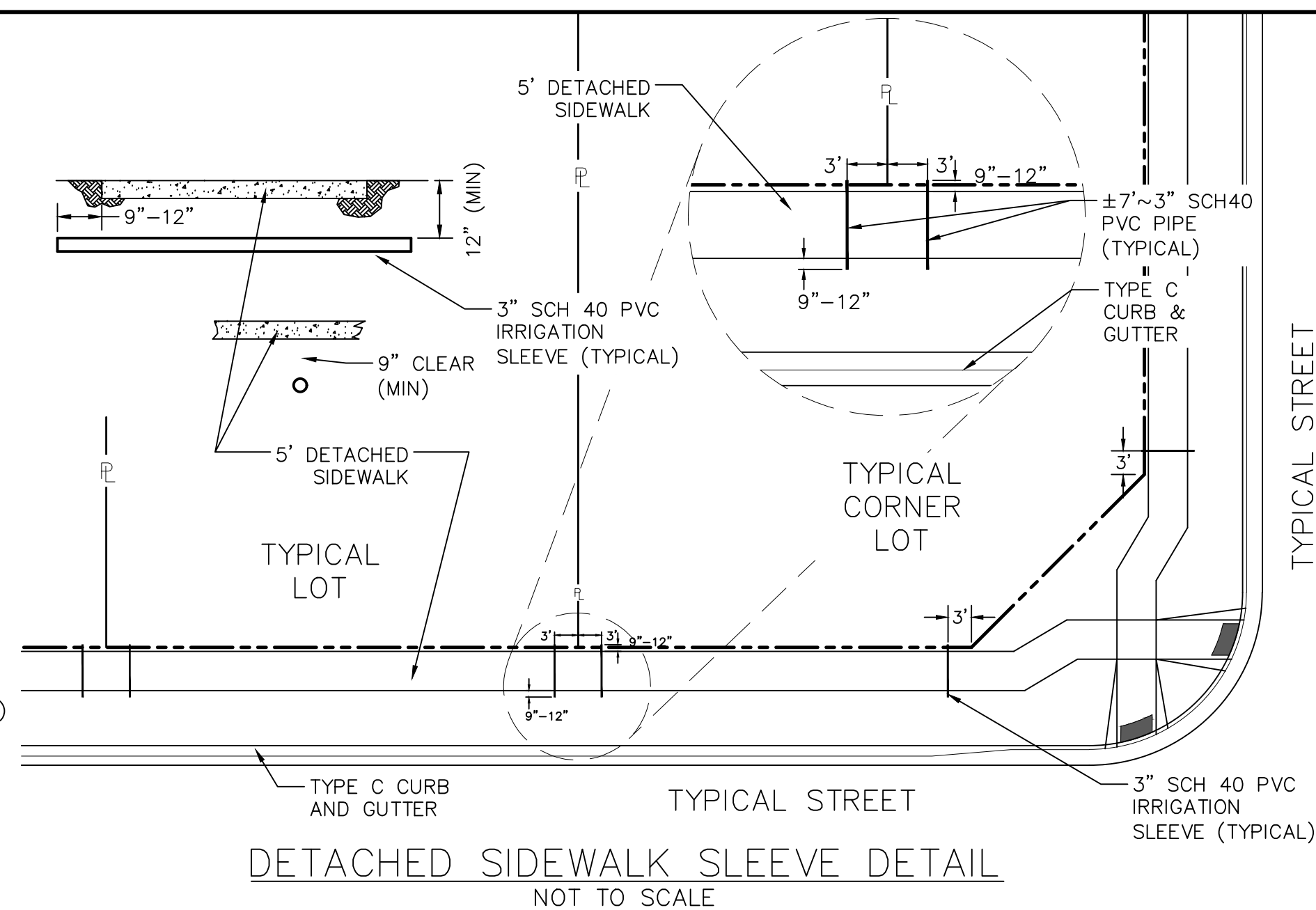
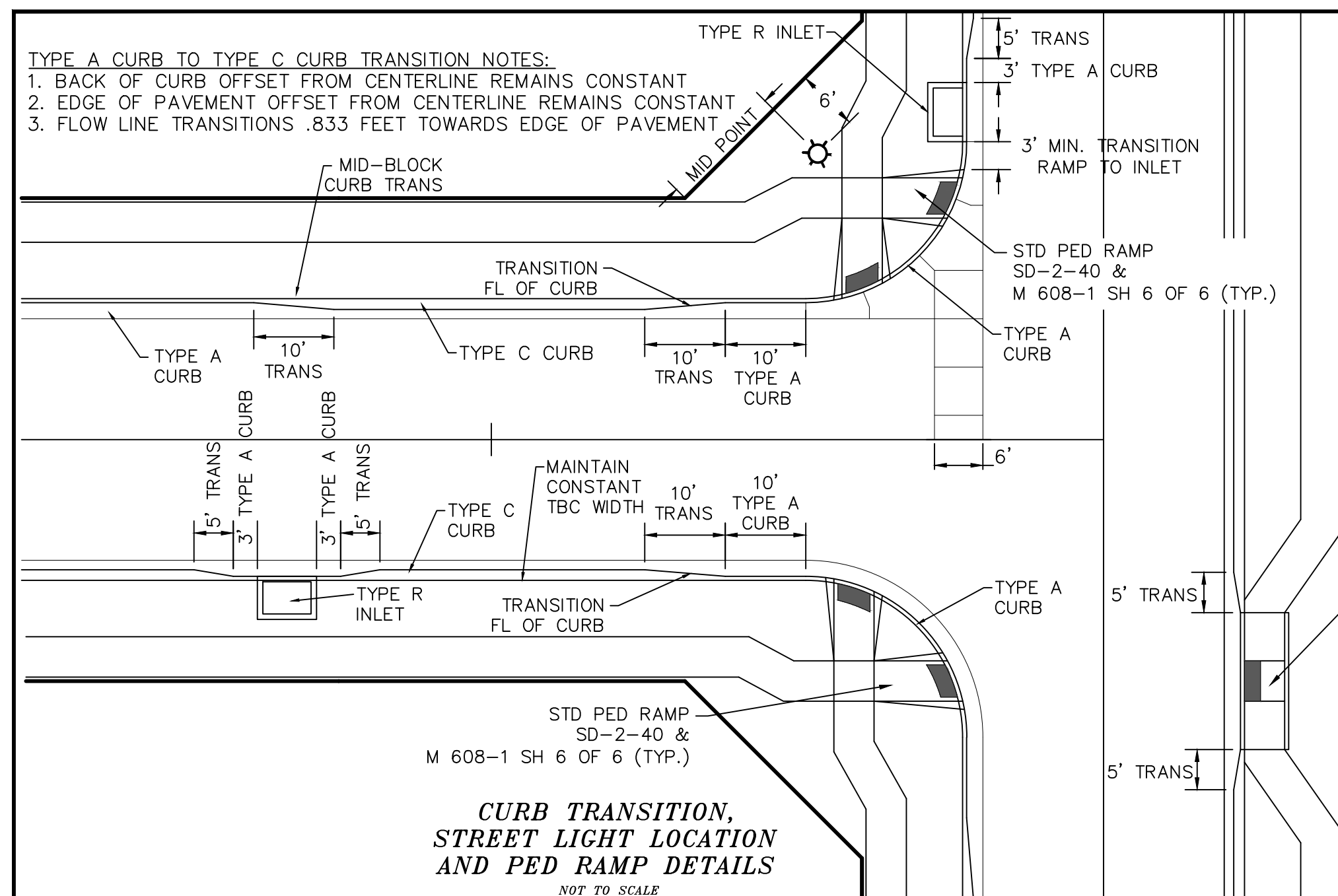
Checked by  
TAK

Date  
OCTOBER 2018

*Scale*  
**AS SHOWN**







### PIPE CHART

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

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

[illegible]

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




**MERIDIAN RANCH**

**STONEBRIDGE FILING 4 AT  
MERIDIAN RANCH  
STREET AND UTILITY PLANS  
DETAIL SHEET**

<i>Drawn by</i> LOG	<i>Checked by</i> TAK	<i>Date</i> OCTOBER 2018
------------------------	--------------------------	-----------------------------

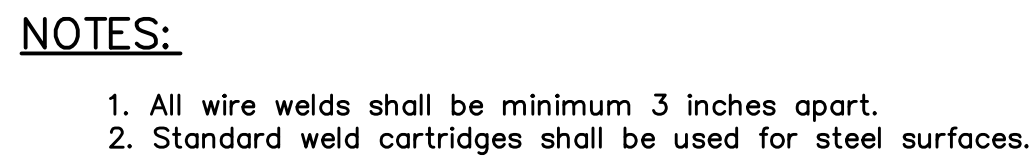
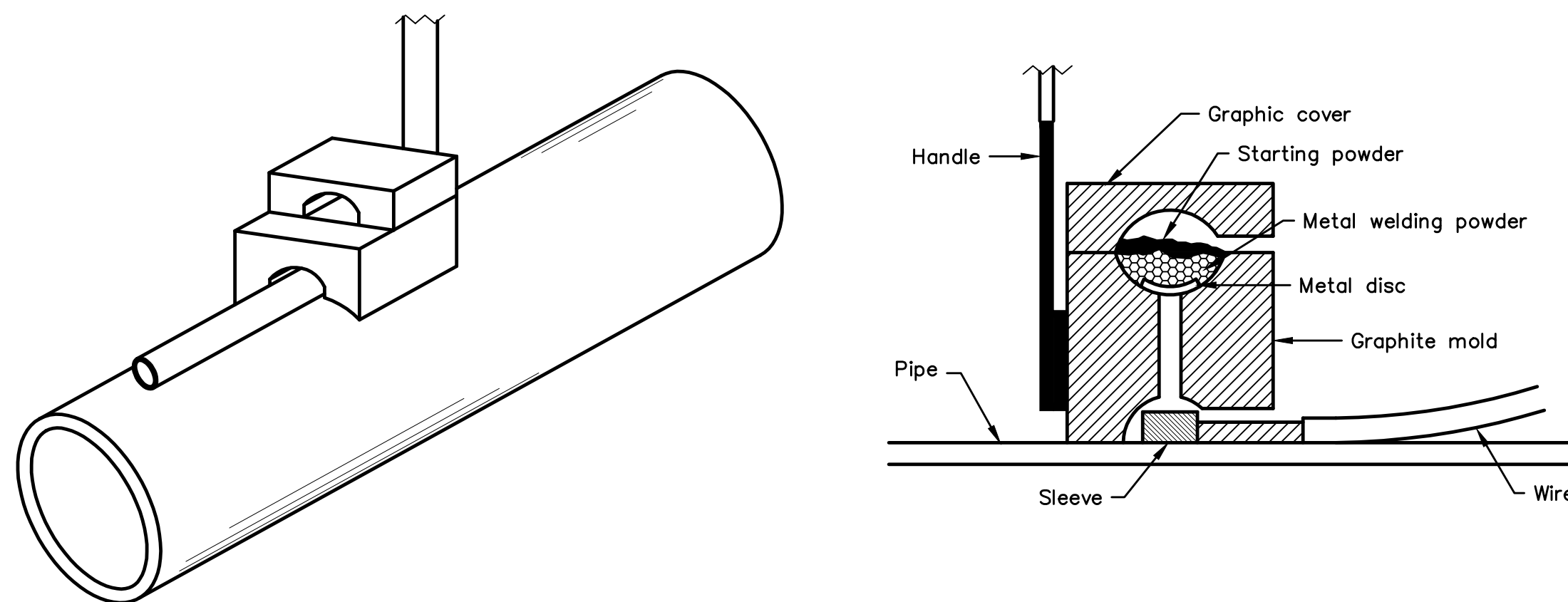
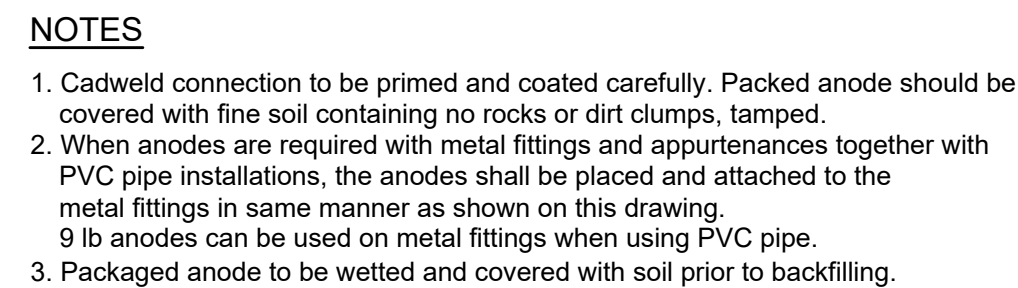
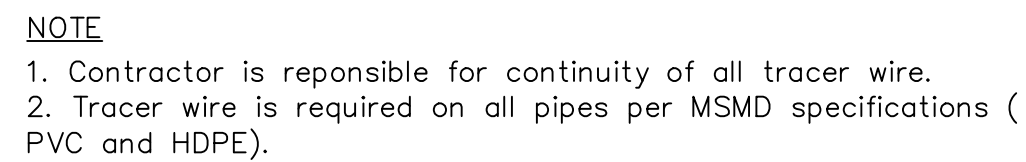
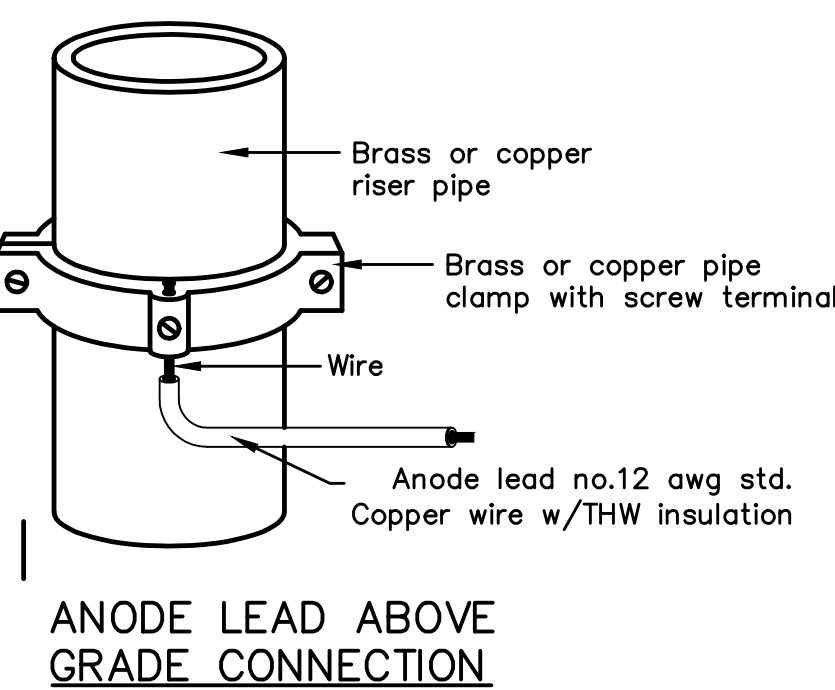
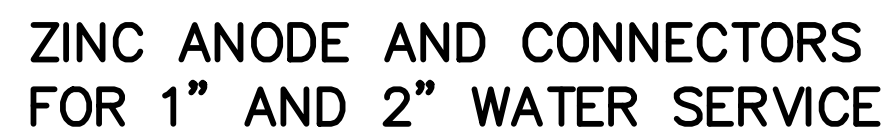
Scale AS SHOWN

3 of 32

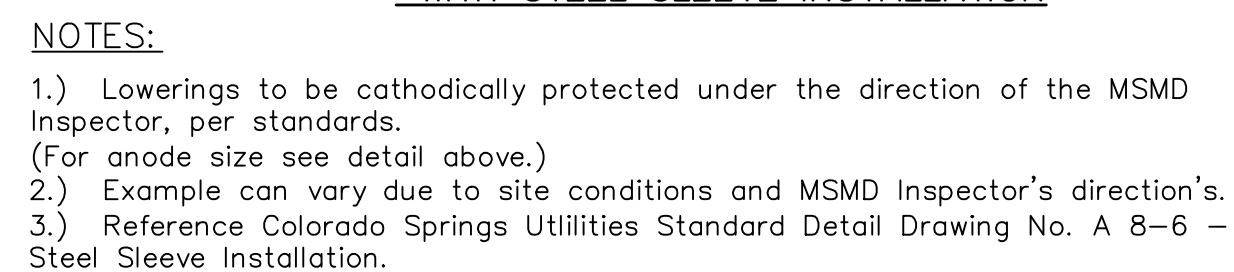
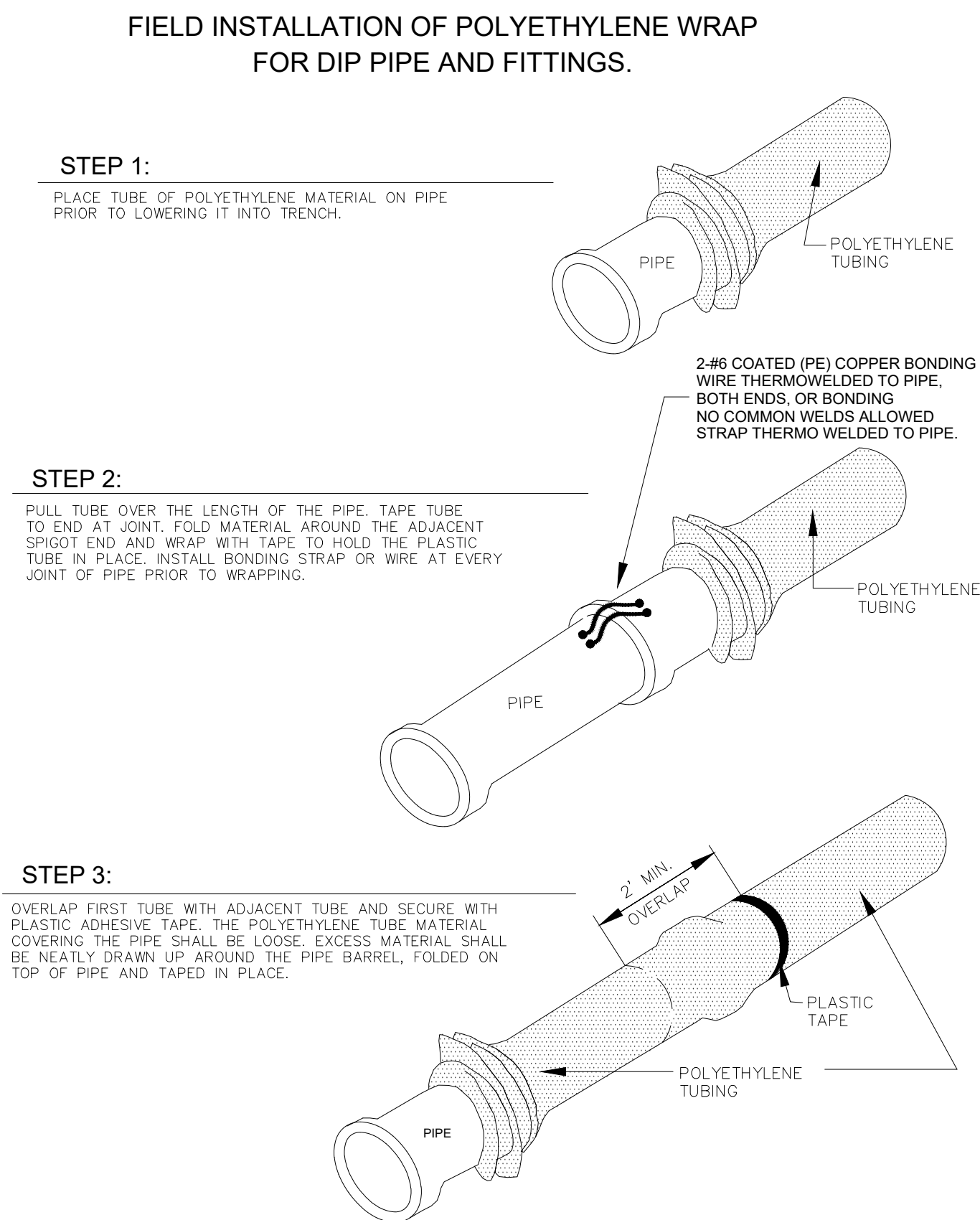


The seal is circular with a double-line border. The outer ring contains the text "COLORADO LICENSE" at the top and "PROFESSIONAL ENGINEER" at the bottom. The inner circle contains the name "THOMAS A. KIRBY" in the center, the license number "31429" below it, and the expiration date "1-28-12" at the bottom. A signature is written across the seal.





## EXOTHERMIC WELD PROCESS



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

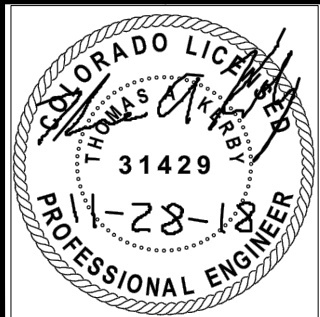


**MERIDIAN RANCH**

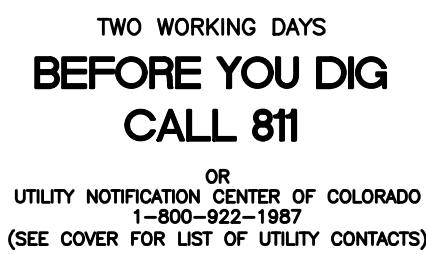
**STONEBRIDGE FILING 4 AT  
MERIDIAN RANCH  
STREET AND UTILITY PLANS  
DETAIL SHEET**

Date  
OCTOBER 2018

Scale	AS SHOWN
4	of 32



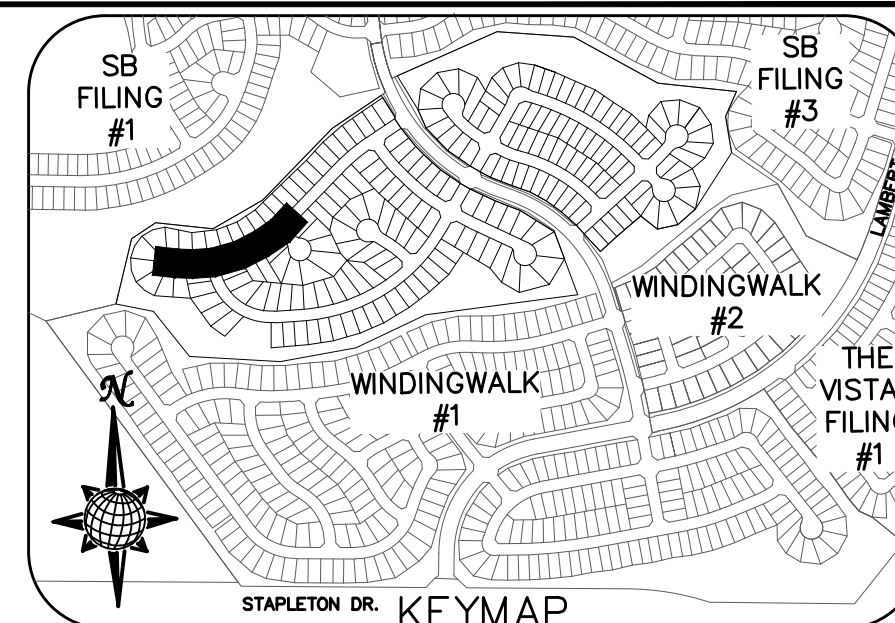
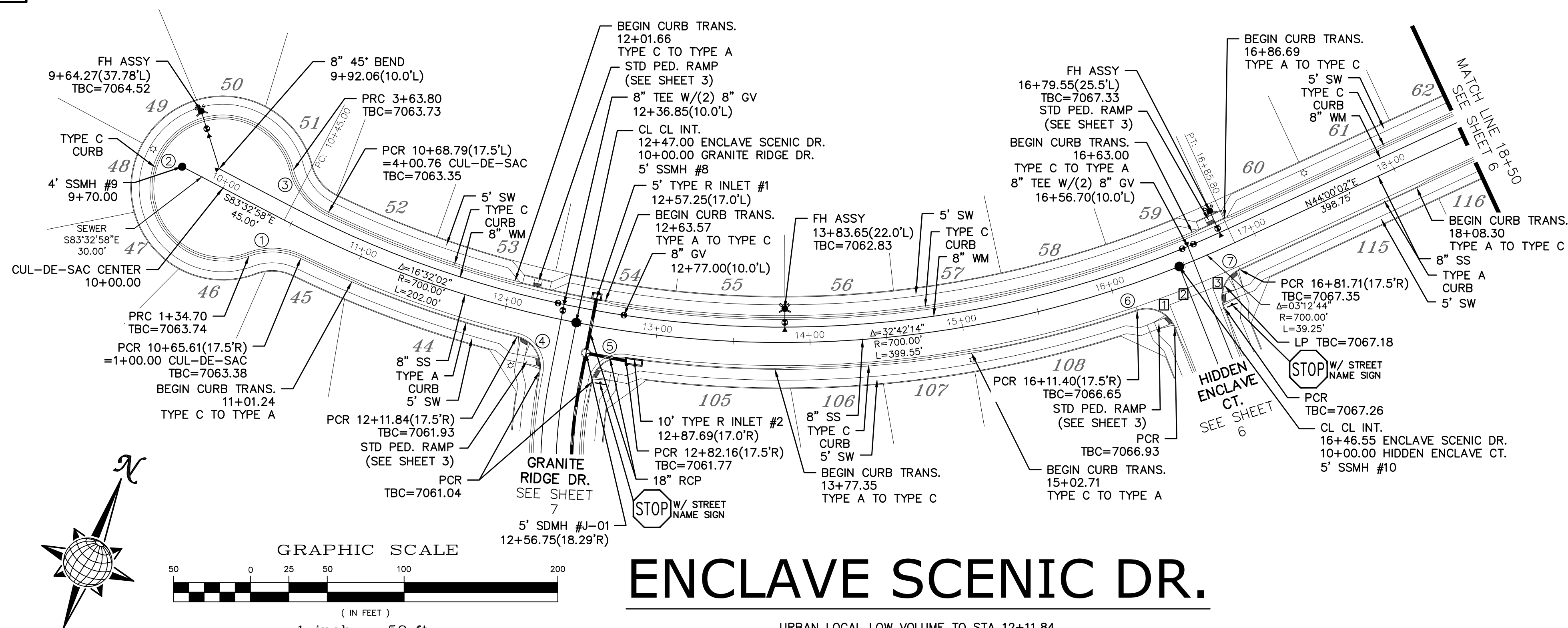




INSTALL CROSS PAN  
PER COUNTY STD  
SD-2-26

---

1	=	7066.33
2	=	7066.50
3	=	7066.66



CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
1	34.70'	42.50'	46°47'00"
2	229.10'	47.50'	276°20'37"
3	36.96'	42.50'	49°49'14"
4	29.65'	19.50'	87°07'20"
5	29.65'	19.50'	87°07'20"
6	29.65'	19.50'	87°07'20"
7	29.65'	19.50'	87°07'20"

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

[illegible]

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

**MERIDIAN RANCH**

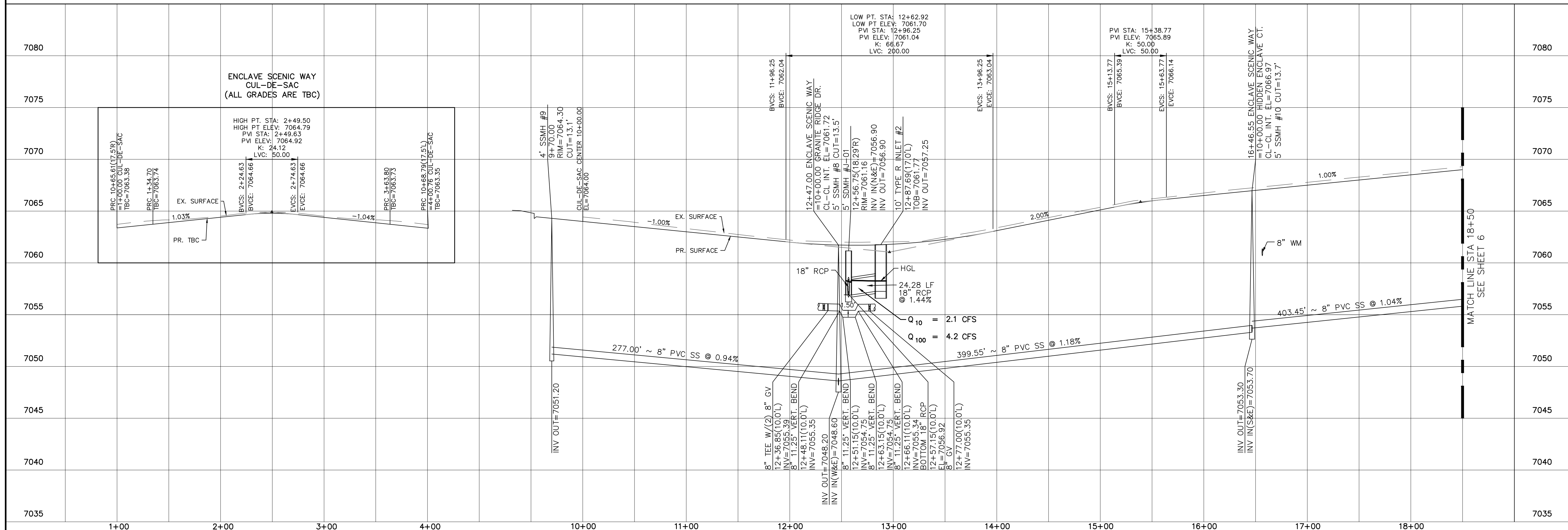
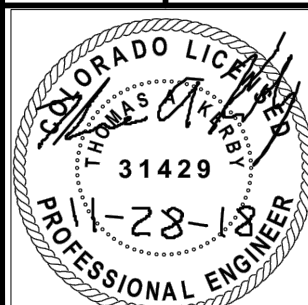


ONEBRIDGE FILING 4 AT  
MERIDIAN RANCH  
STREET AND UTILITY PLANS  
ENCLAVE SCENIC DR.

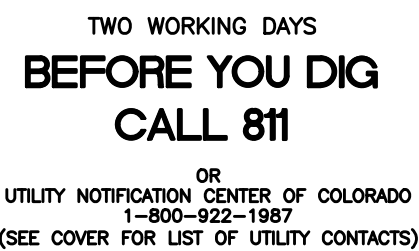
<i>Drawn by</i> LOG	<i>Checked by</i> TAK	<i>Date</i> OCTOBER 2018
------------------------	--------------------------	-----------------------------

Scale

5 of 32







CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
6	29.65'	19.50'	87°07'20"
7	29.65'	19.50'	87°07'20"
8	35.75'	42.50'	48°11'23"
9	229.13'	47.50'	276°22'46"
10	35.75'	42.50'	48°11'23"
11	30.93'	19.50'	90°52'09"
12	30.63'	19.50'	90°00'00"

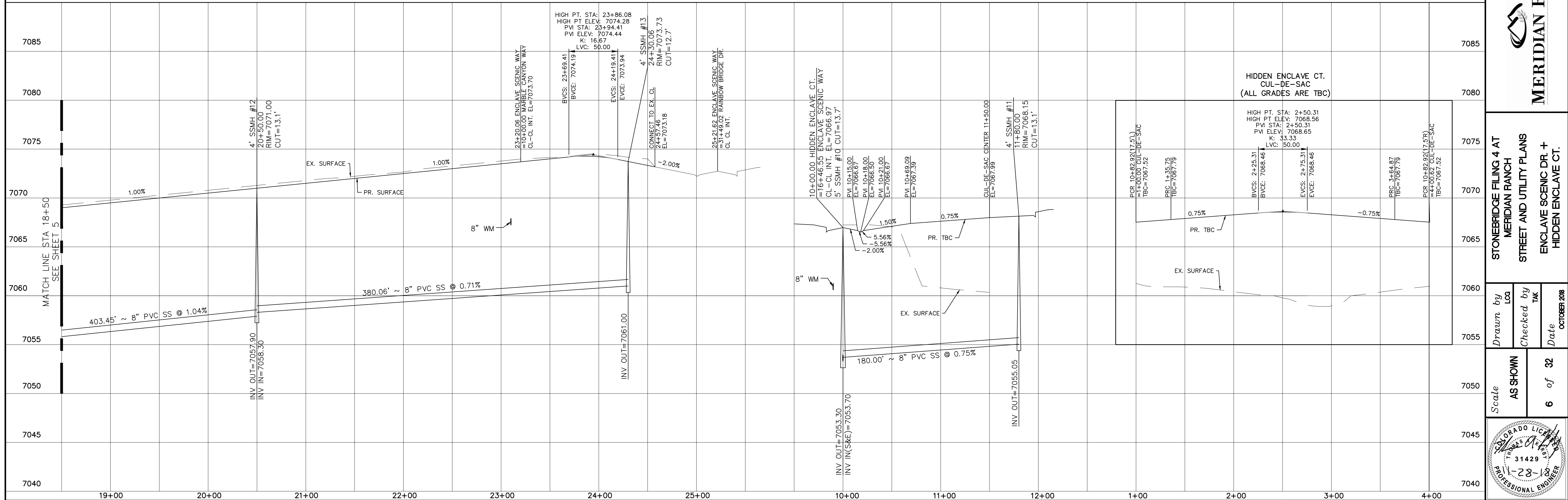
ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)

No.	Revisions	Date	Init.	Appr.	Date

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

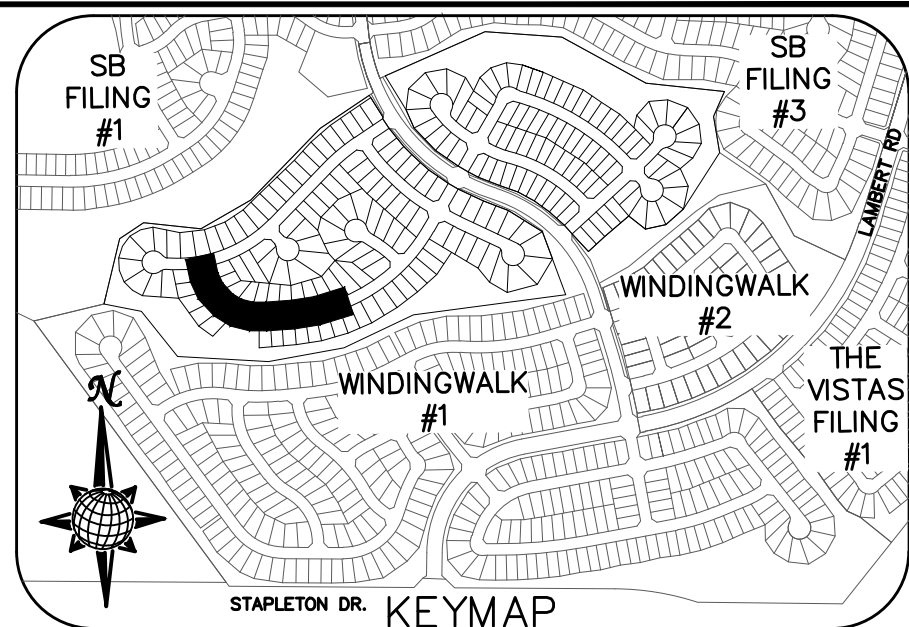
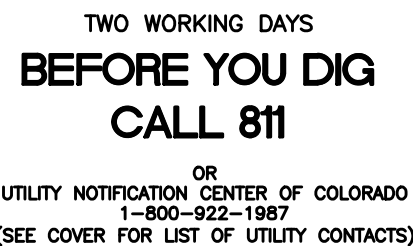


**MERIDIAN RANCH**



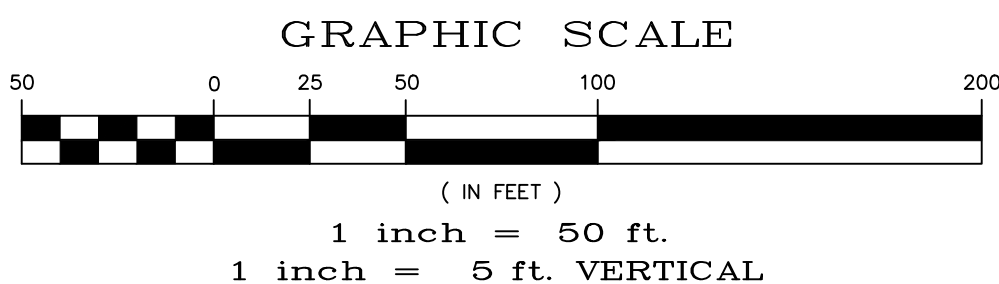
PCD PROJECT NO. SF-18-023



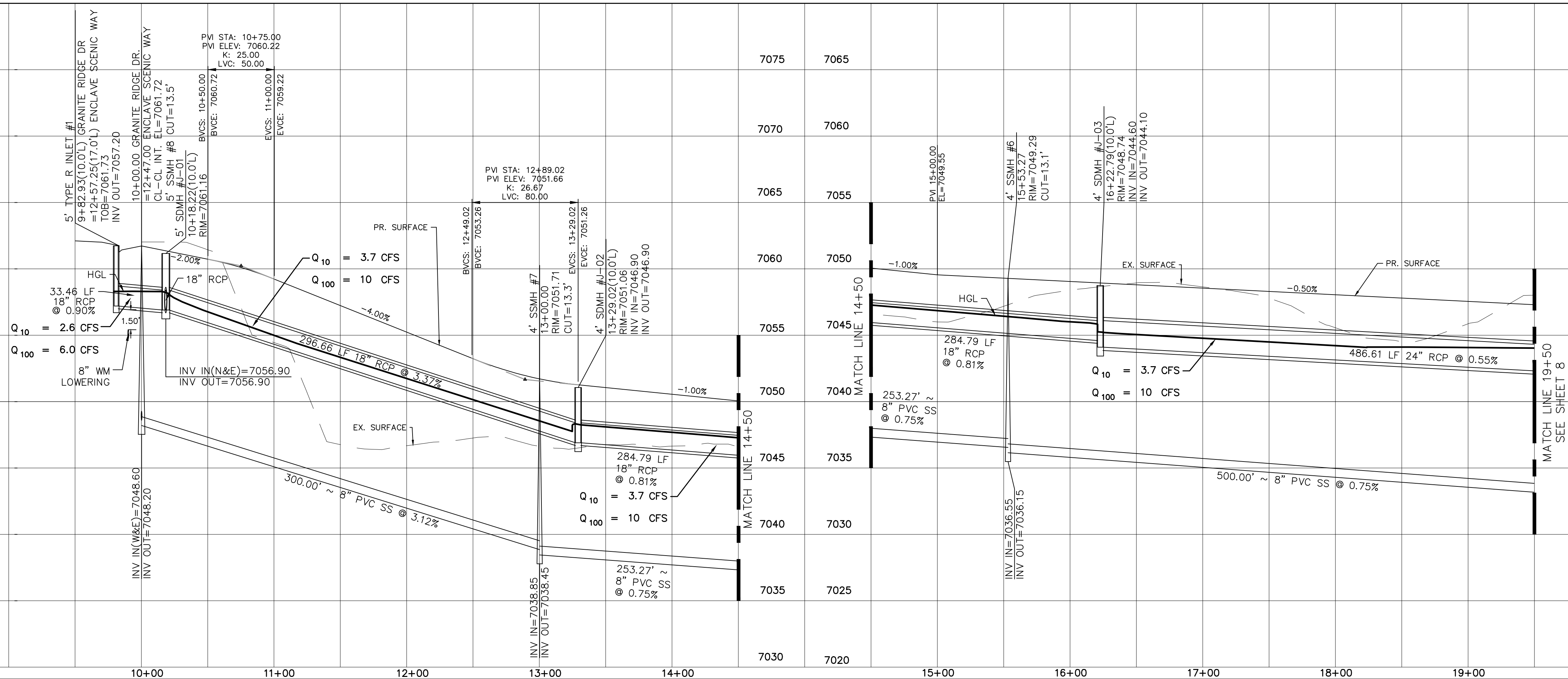


CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
4	29.65'	19.50'	87°07'20"
5	29.65'	19.50'	87°07'20"

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



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

[illegible]

**TECH CONTRACTORS**  
**11886 STAPLETON DRIVE**  
**FALCON, CO 80831**

**TELEPHONE:** 719.495.7444  
**FAX:** 719.495.2457



# MERIDIAN RANCH

STONEBRIDGE FILING 4 AT  
MERIDIAN RANCH  
STREET AND UTILITY PLANS  
GRANITE RIDGE DR.

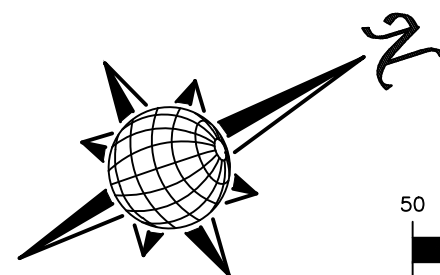
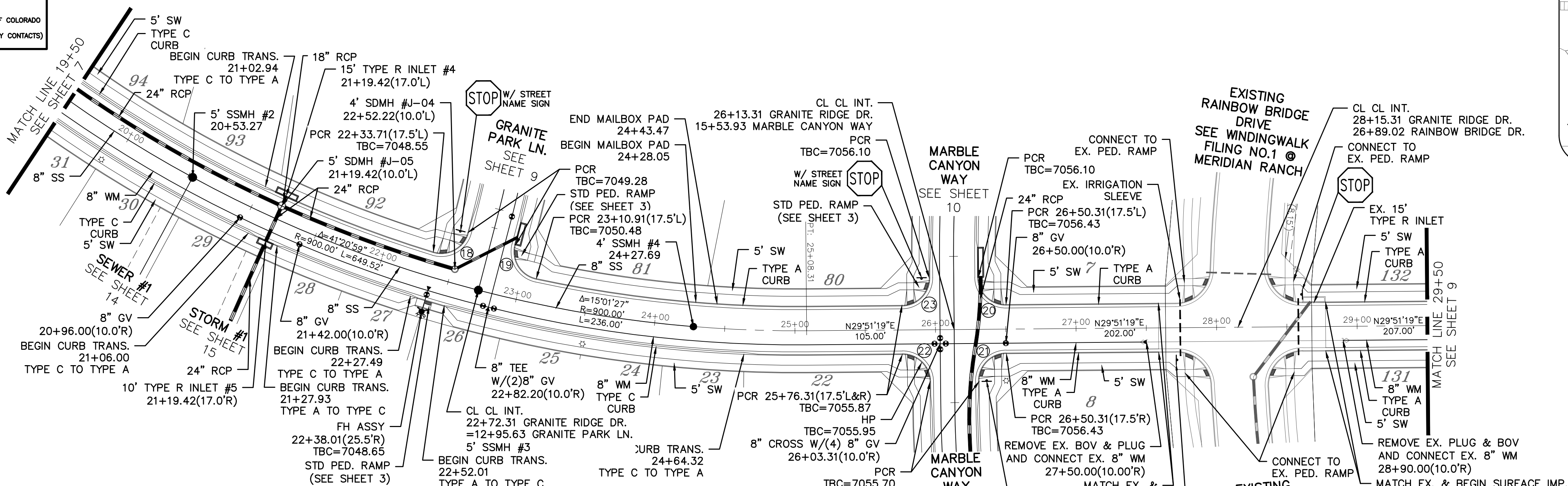
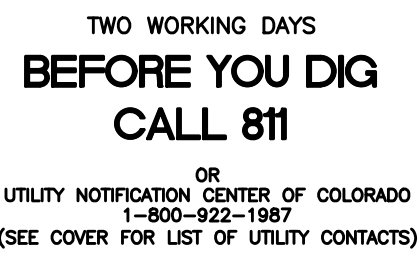
Drawn by	LOG
Checked by	TAK
Date	OCTOBER 2018

Scale

8  
9  
1







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

GRANITE RIDGE DR.

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



CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
18	31.47'	19.50'	92°27'26"
19	31.47'	19.50'	92°27'26"
20	30.63'	19.50'	90°00'00"
21	30.63'	19.50'	90°00'00"
22	30.63'	19.50'	90°00'00"
23	30.63'	19.50'	90°00'00"

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

[illegible]

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



**MERIDIAN RANCH**

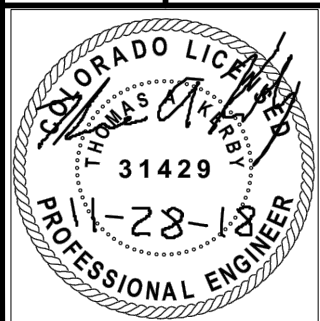
STONEBRIDGE FILING 4 AT  
MERIDIAN RANCH  
STREET AND UTILITY PLANS  
GRANITE RIDGE DR.

Drawn by  
LOG

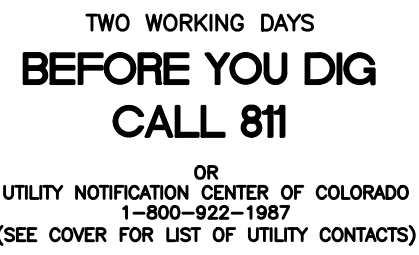
Checked by  
TAK

Date  
OCTOBER 2018

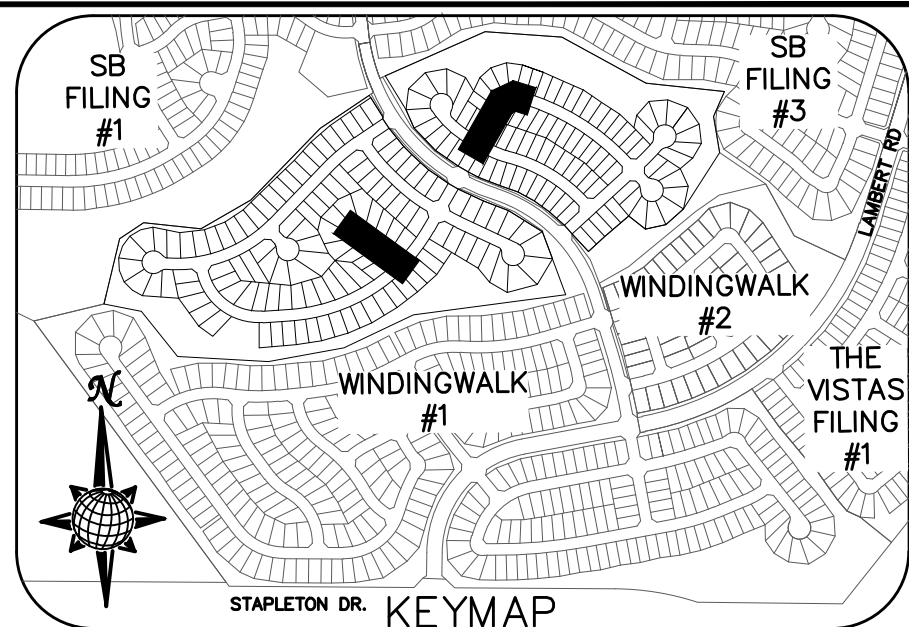
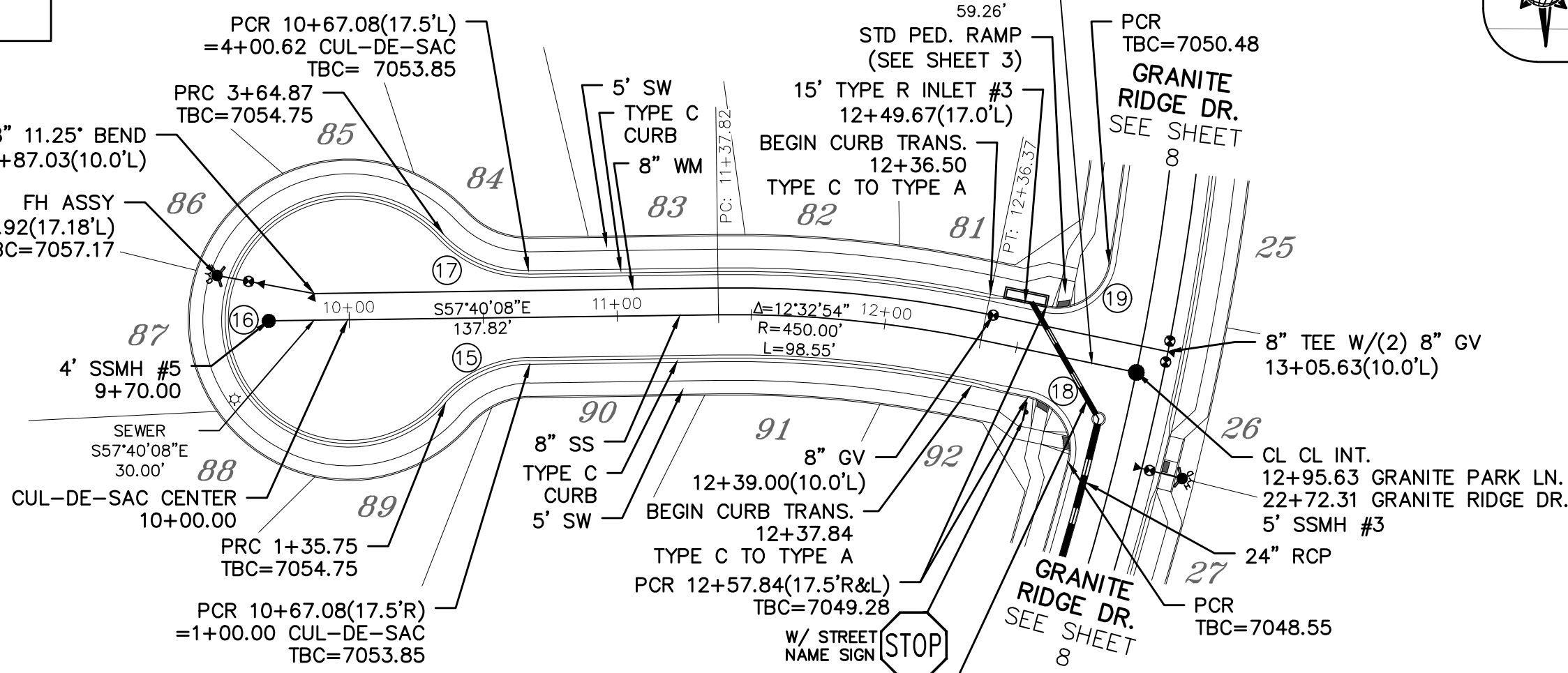
Scale	AS SHOWN
8	of 32





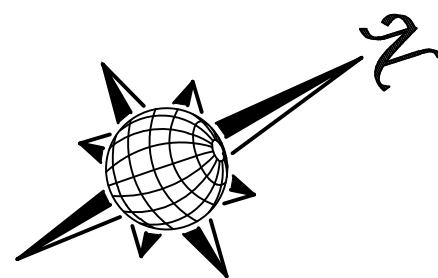


①	=	7058.61
②	=	7058.78
③	=	7058.95



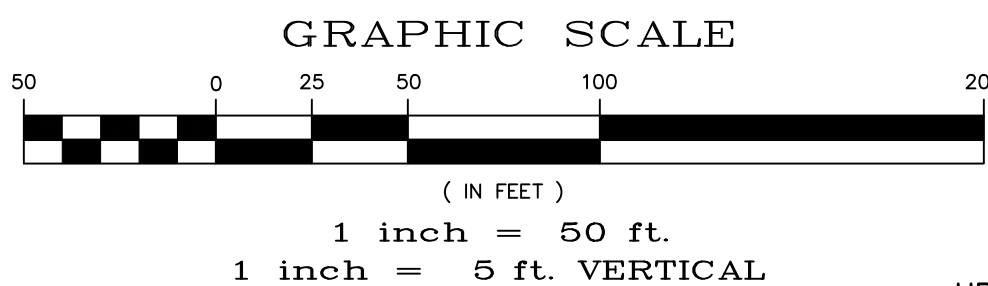
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
15	35.75'	42.50'	48°11'23"
16	229.13'	47.50'	276°22'46"
17	35.75'	42.50'	48°11'23"
18	31.47'	19.50'	92°27'26"
19	31.47'	19.50'	92°27'26"
30	30.63'	19.50'	90°00'00"
31	30.63'	19.50'	90°00'00"
32	30.63'	19.50'	90°00'00"
33	30.63'	19.50'	90°00'00"
34	108.20'	52.50'	118°04'54"
35	25.54'	67.50'	21°41'00"
36	24.58'	67.50'	20°52'06"
37	44.79'	34.50'	74°23'14"

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



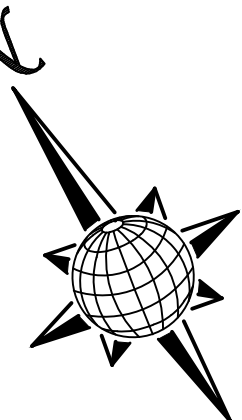
# GRANITE RIDGE LN.

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



GRANITE PARK LN.

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



7075																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

No.	Revisions	Date	Instr.	Appr.	Date

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

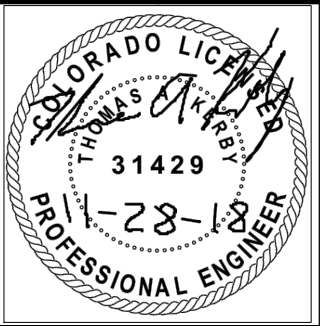


**MERIDIAN RANCH**

ONEBRIDGE FILING 4 AT  
MERIDIAN RANCH  
STREET AND UTILITY PLANS  
GRANITE RIDGE DR. +  
GRANITE PARK LN.

<i>Drawn by</i>	<i>LOG</i>
<i>Checked by</i>	<i>TAK</i>
<i>Date</i>	<b>OCTOBER 2018</b>

Scale  
AS SHOWN  
9 of 32



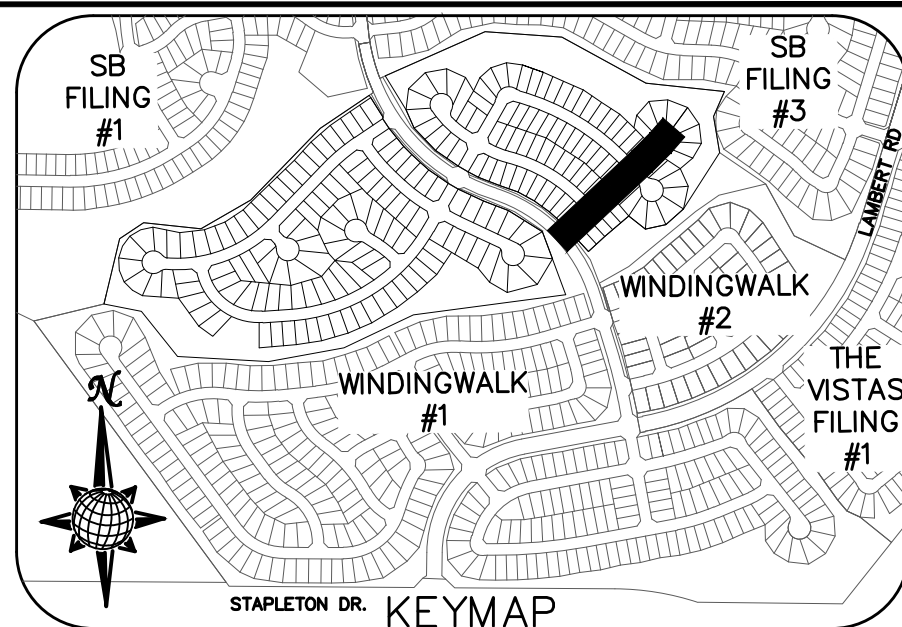
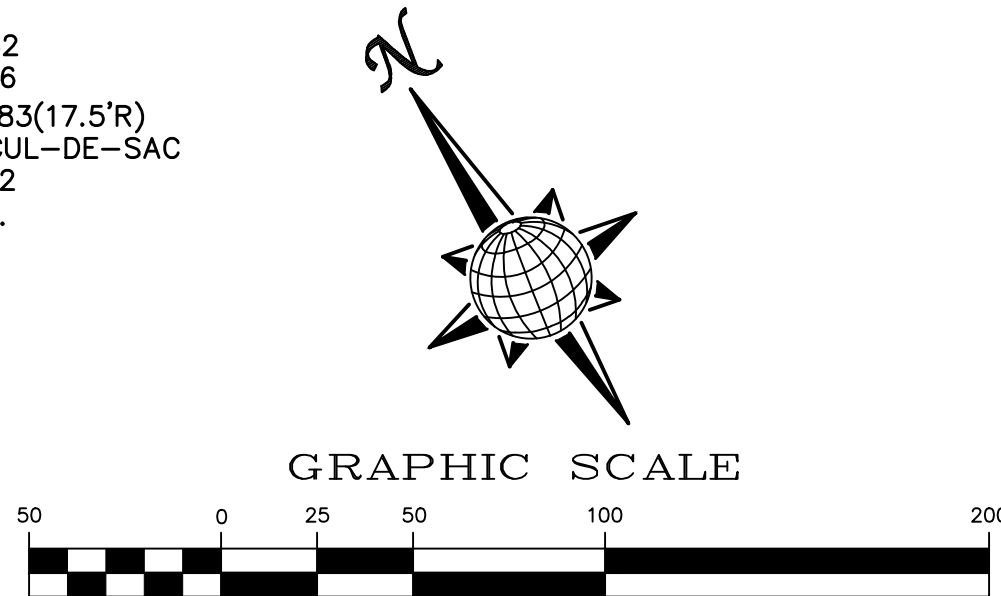








OR  
UTILITY NOTIFICATION CENTER OF COLORADO  
1-800-922-1987  
(SEE COVER FOR LIST OF UTILITY CONTACTS)

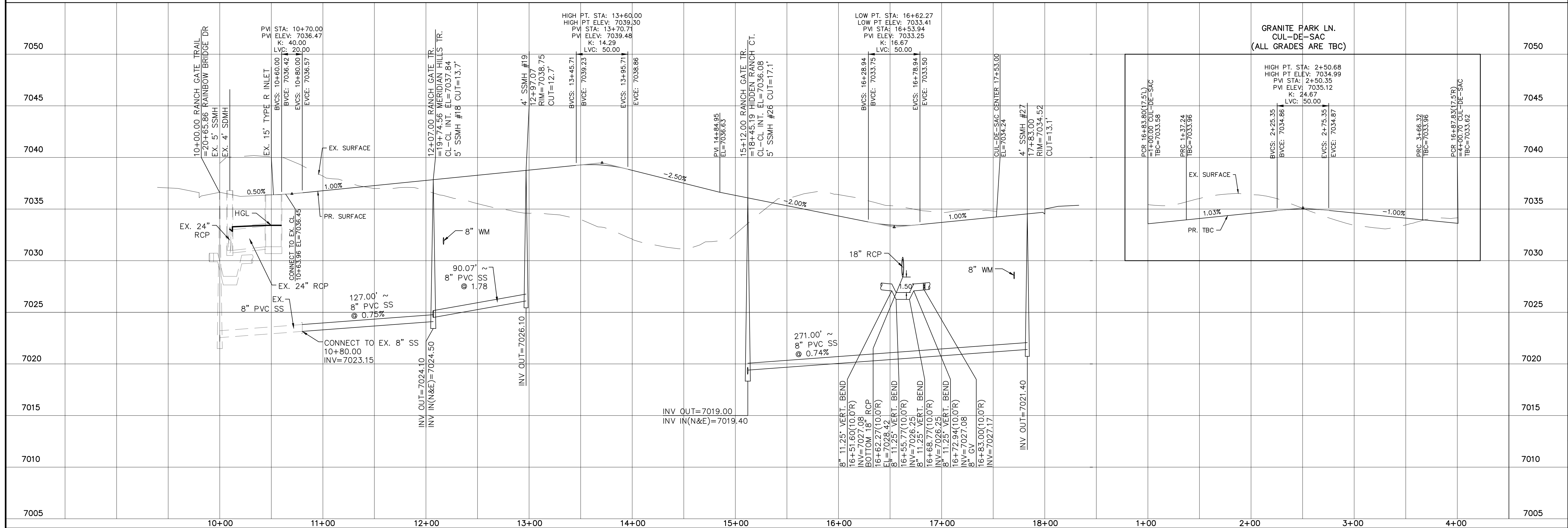


CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
40	30.63'	19.50'	90°00'00"
41	30.63'	19.50'	90°00'00"
42	30.63'	19.50'	90°00'00"
43	30.63'	19.50'	90°00'00"
44	30.63'	19.50'	90°00'00"
45	30.63'	19.50'	90°00'00"
46	37.24'	42.50'	50°12'10"
47	229.08'	47.50'	276°19'18"
48	34.38'	42.50'	46°21'00"

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

RANCH GATE DR.

URBAN LOCAL TO STA 15+49.00  
URBAN LOCAL LOW VOLUME AFTER STA 15+49.00  
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



No.	Revisions	Date	Init.	Appr.	Date

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



# MERIDIAN RANCH

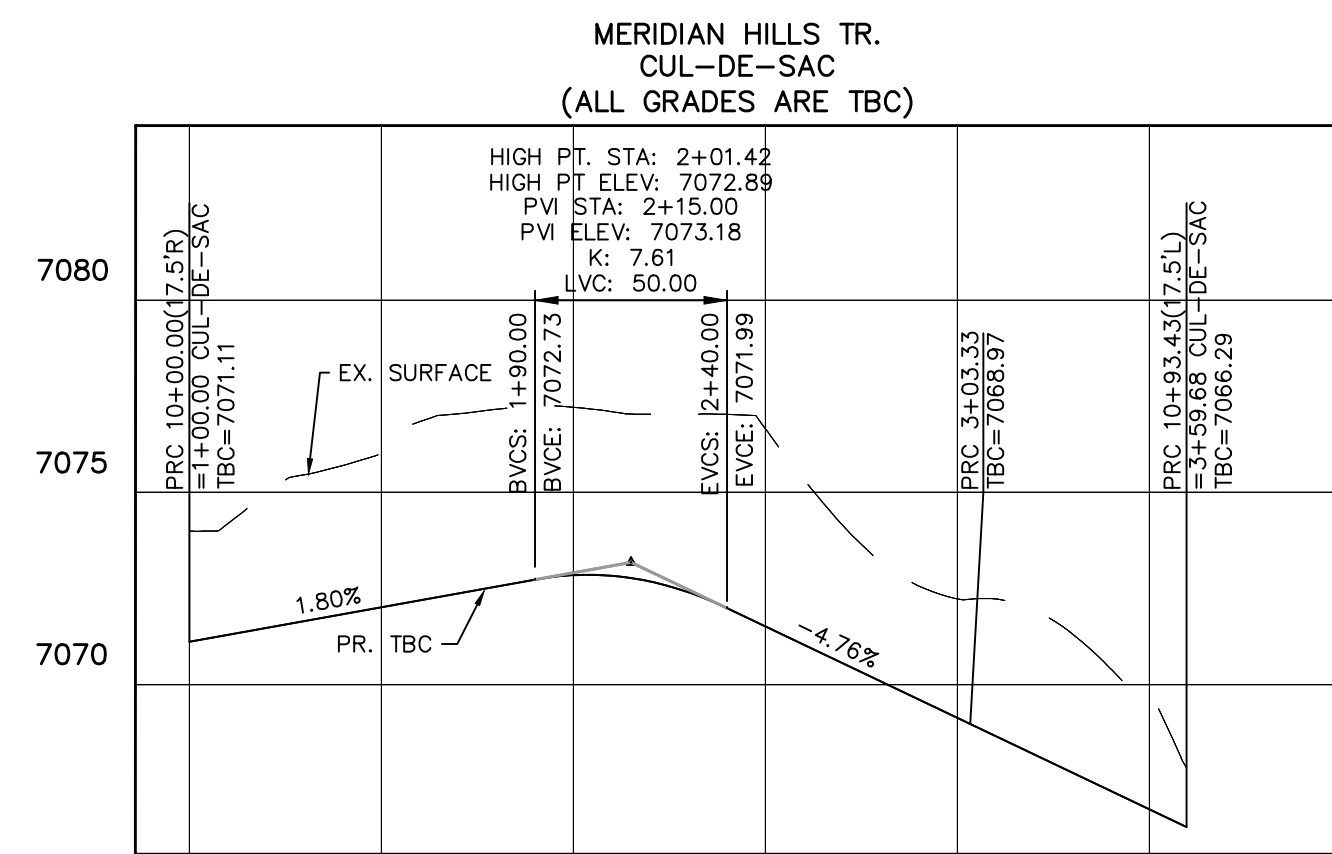
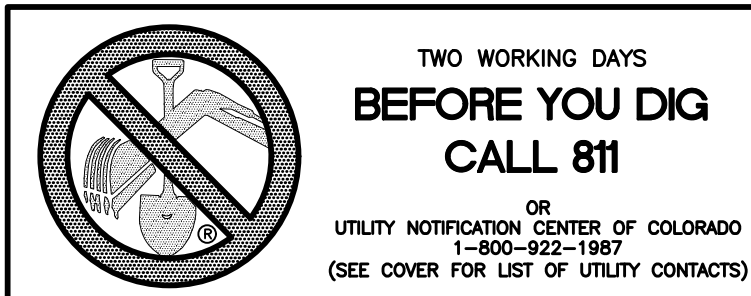
STONEBRIDGE FILING 4 AT  
MERIDIAN RANCH  
STREET AND UTILITY PLANS  
RANCH GATE DR.

<i>Drawn by</i>	LOG
<i>Checked by</i>	TAK
<i>Date</i>	OCTOBER 2018

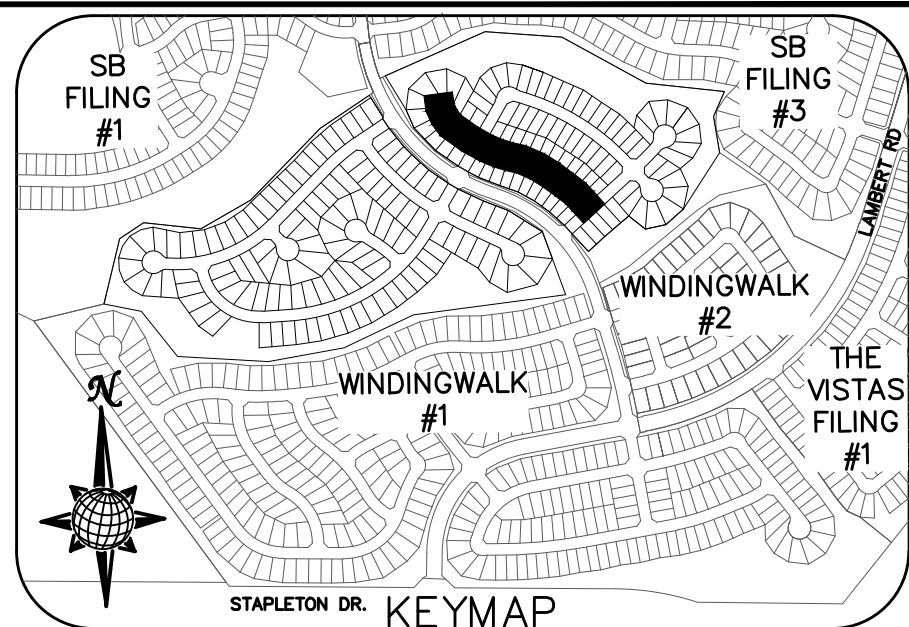
Scale	AS SHOWN
11	of 32





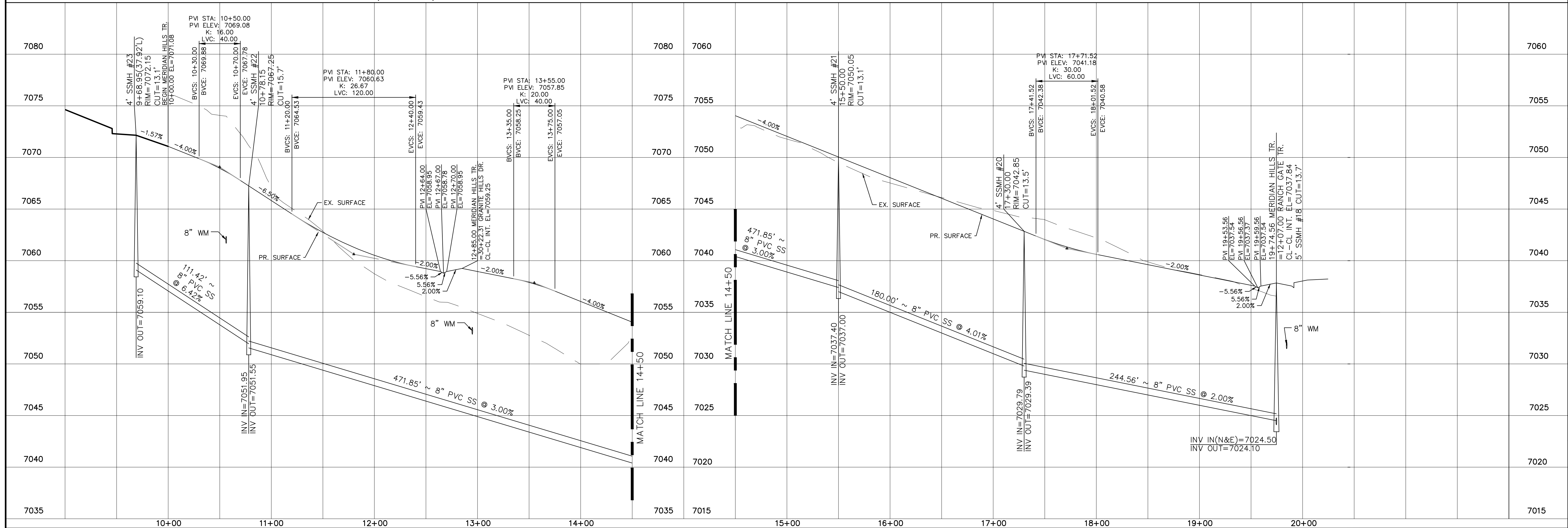
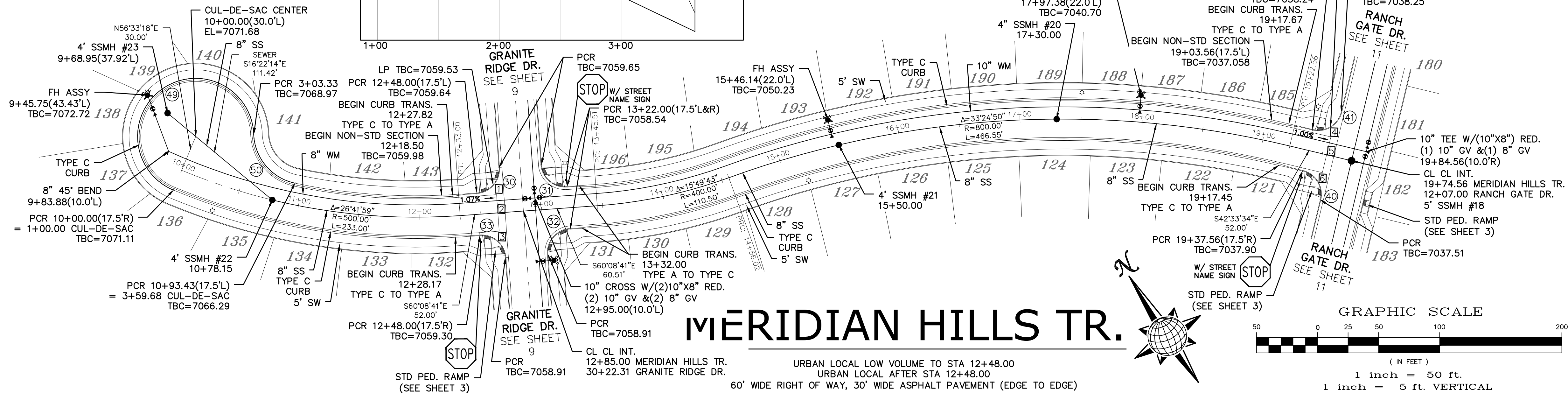


INSTALL CROSS PAN PER COUNTY STD SD-2-26	
1	= 7058.95
2	= 7058.78
3	= 7058.61
4	= 7037.55
5	= 7037.38
6	= 7037.21



CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
30	30.63'	19.50'	90°00'00"
31	30.63'	19.50'	90°00'00"
32	30.63'	19.50'	90°00'00"
33	30.63'	19.50'	90°00'00"
40	30.63'	19.50'	90°00'00"
41	30.63'	19.50'	90°00'00"
49	203.33'	47.50'	245°15'50"
50	56.35'	42.50'	75°58'13"

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



No.	Revisions	Date	Init.	Appr.	Date

**TECH CONTRACTORS**  
**11886 STAPLETON DRIVE**  
**FALCON, CO 80831**

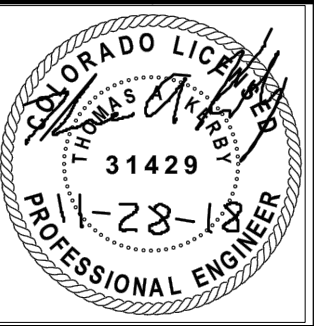
**TELEPHONE:** 719.495.7444  
**FAX:** 719.495.2457



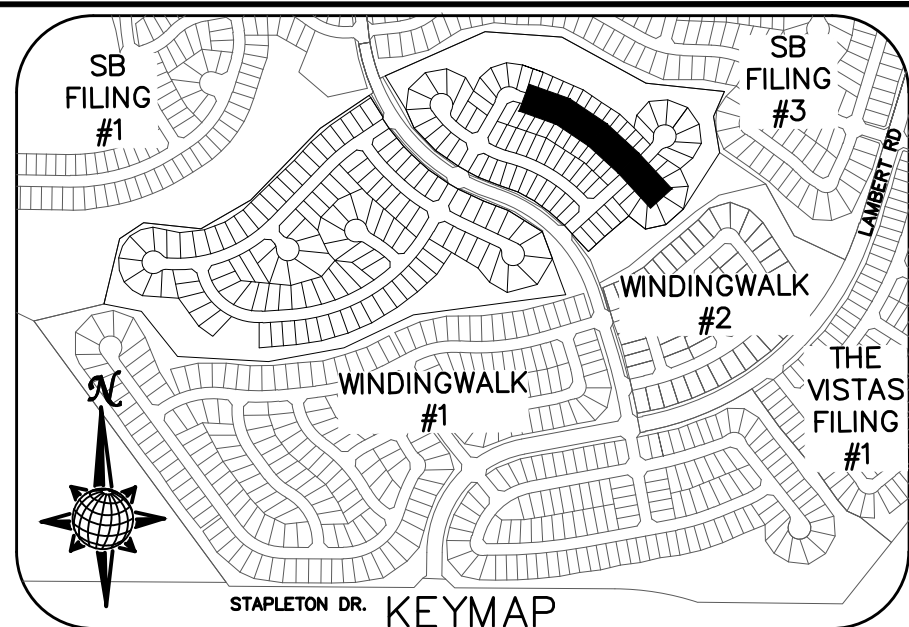
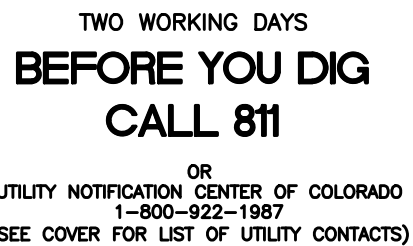
# MERIDIAN RANCH

STONEBRIDGE FILING 4 AT  
MERIDIAN RANCH  
STREET AND UTILITY PLANS  
MERIDIAN HILLS TR.

Scale <b>AS SHOWN</b>	Drawn by LOG
	Checked by TAK
12 of 32	Date OCTOBER 2018








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



**GRAPHIC SCALE**

25      50      100

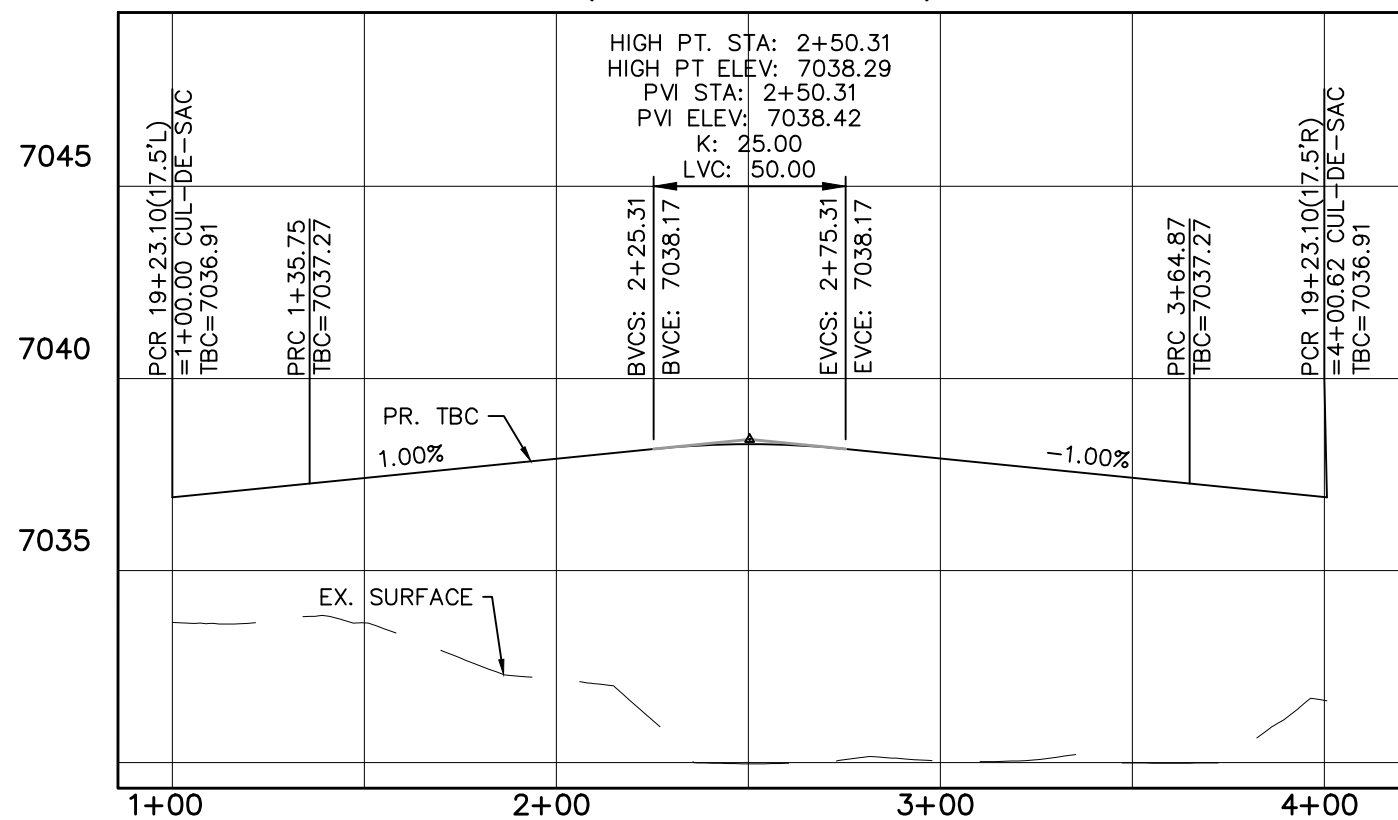


( IN FEET )

1 inch = 50 ft.

1 inch = 5 ft. VERTICAL

URBAN LOCAL TO STA 18+82.19  
URBAN LOCAL LOW VOLUME AFTER STA 18+82.19  
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



No.	Revisions	Date	Init.	Appr.	Date					

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

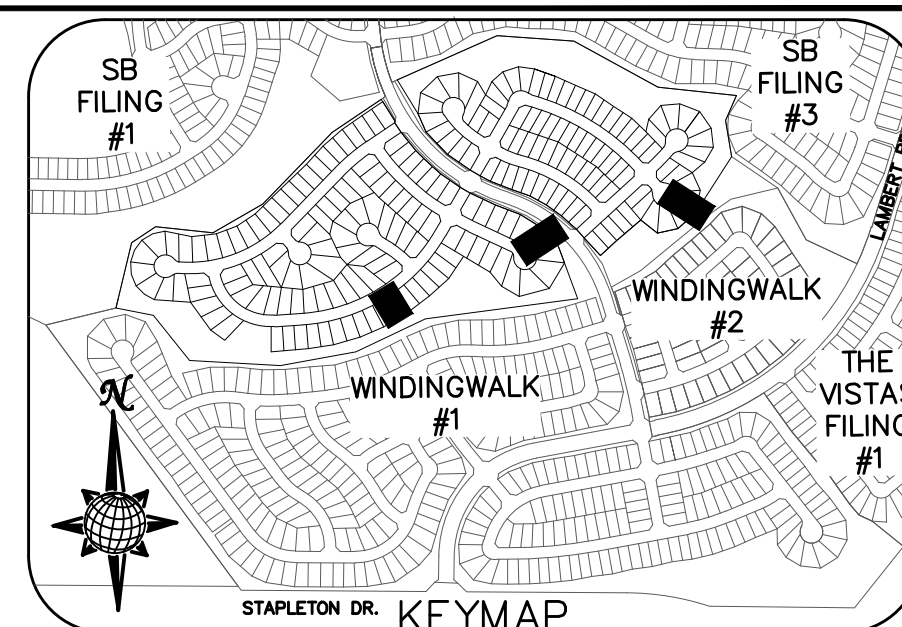
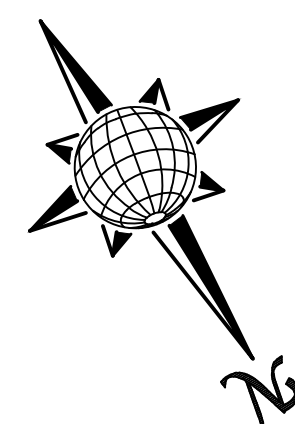
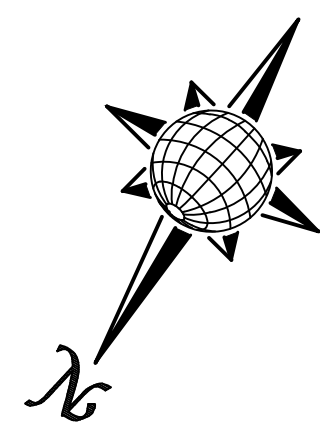
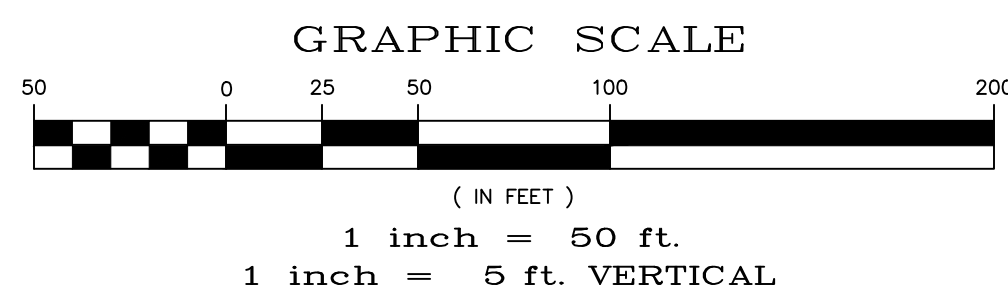
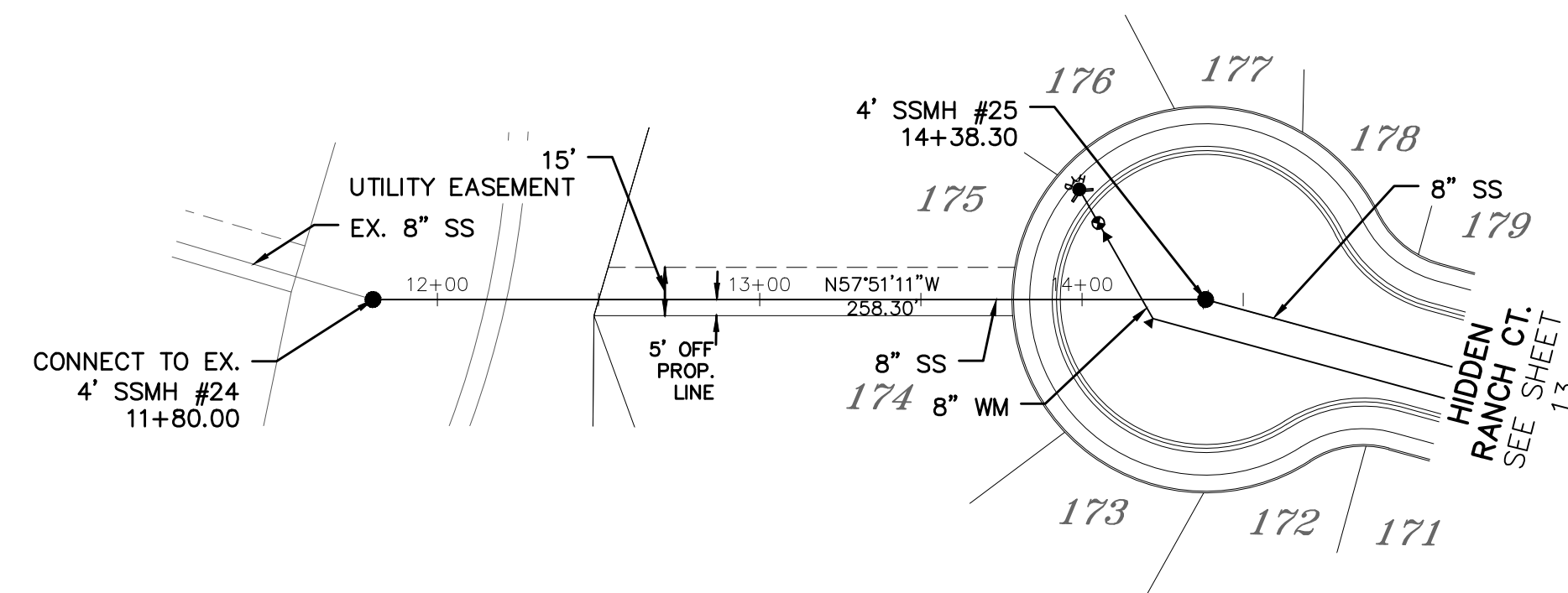
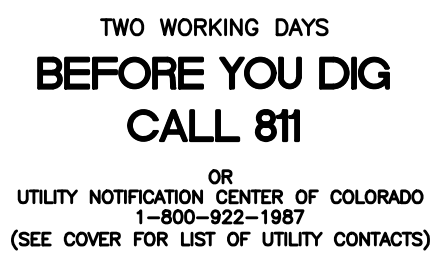


STONEBRIDGE FILING 4 AT  
MERIDIAN RANCH  
STREET AND UTILITY PLANS  
HIDDEN RANCH CT.

Scale <b>AS SHOWN</b>	Drawn by LOG
	Checked by TAK
<b>13 of 32</b>	Date OCTOBER 2018







No.	Revisions	Date	Invt.	Appr.	Date

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

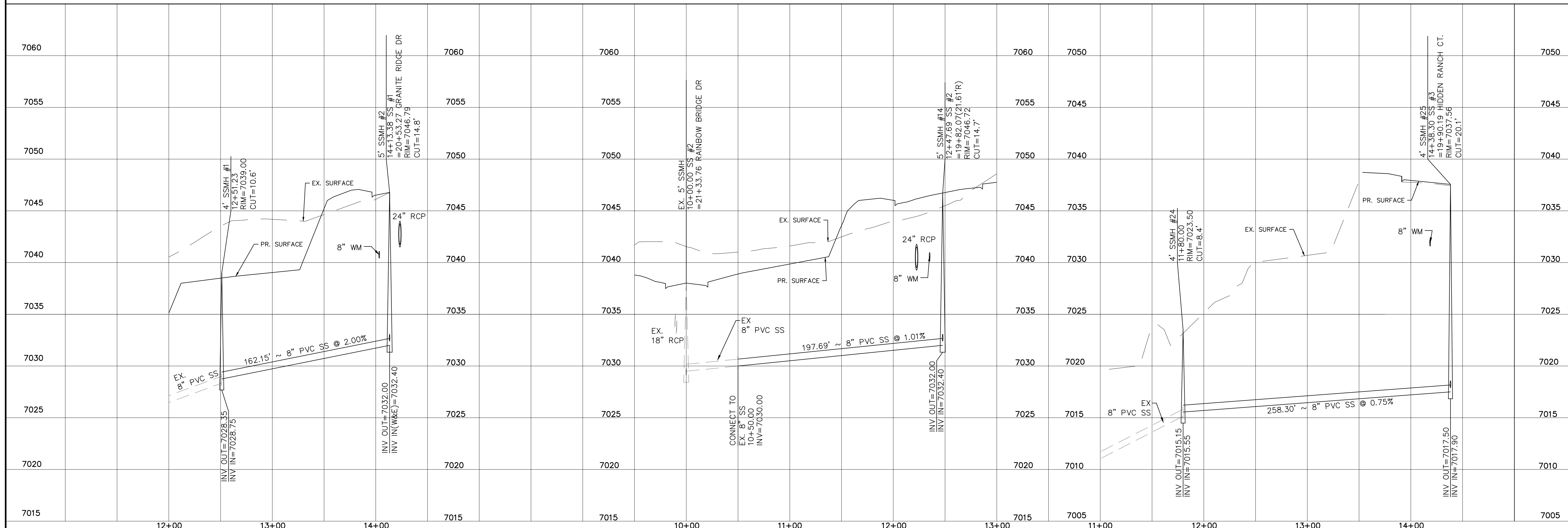
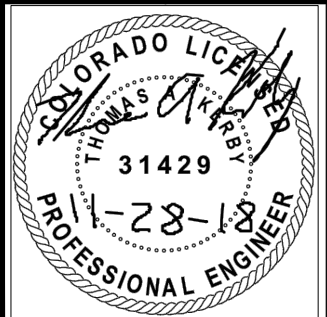


**MERIDIAN RANCH**

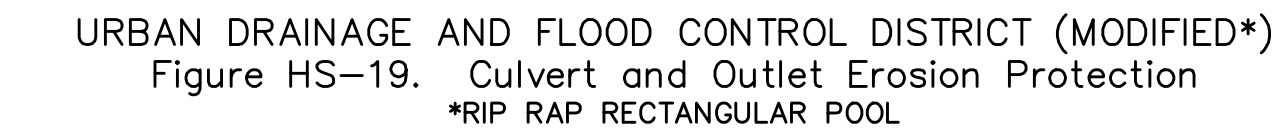
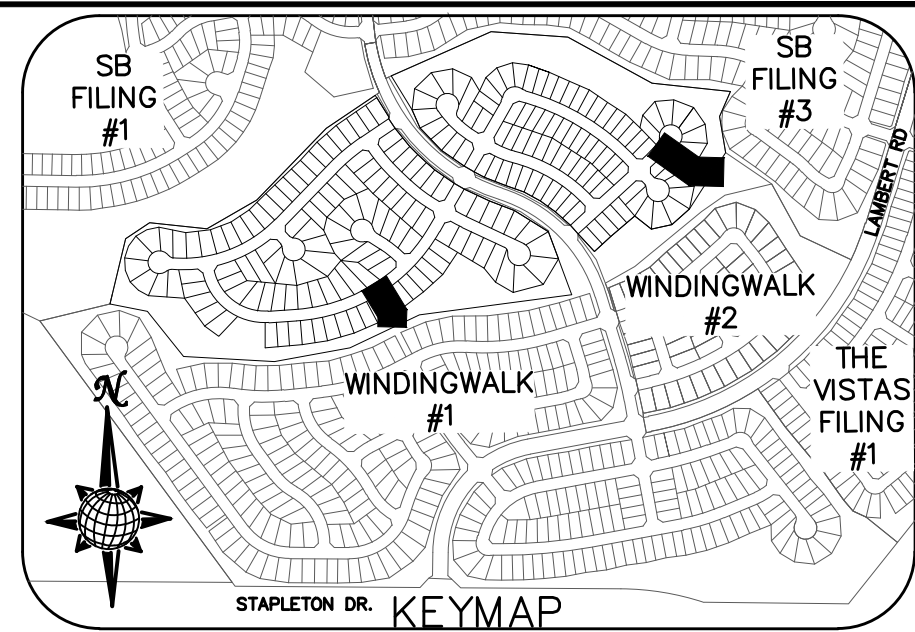
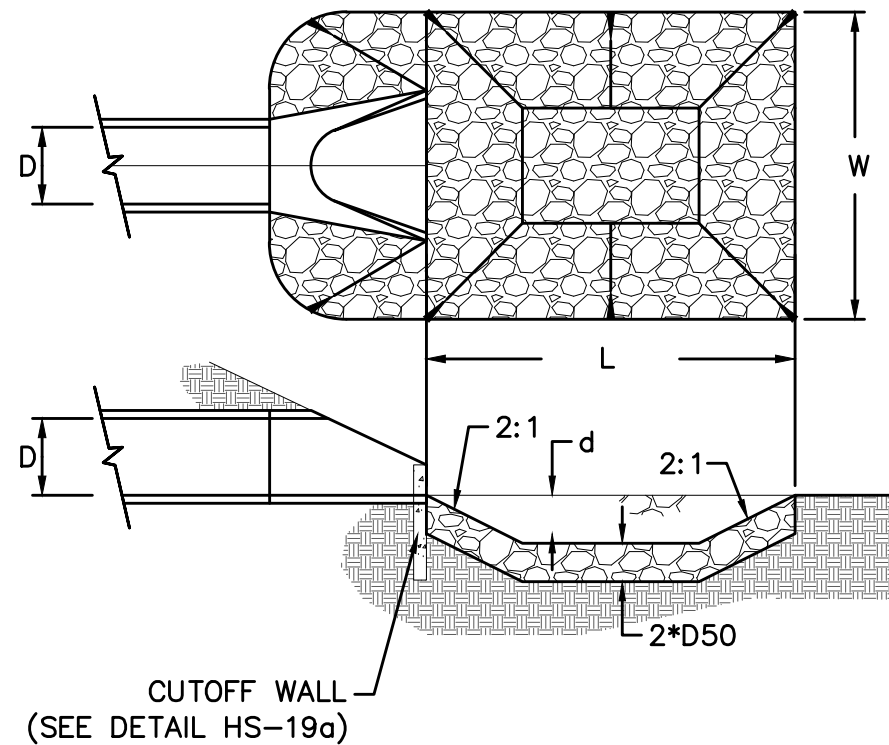
STONEBRIDGE FILING 4 AT  
MERIDIAN RANCH  
STREET AND UTILITY PLANS  
SEWER #1 + SEWER #2

Drawn by LOG	Checked by TAK	Date OCTOBER 2018
-----------------	-------------------	----------------------

<i>Scale</i>	<b>AS SHOWN</b>
<b>14</b>	<i>of</i> <b>32</b>





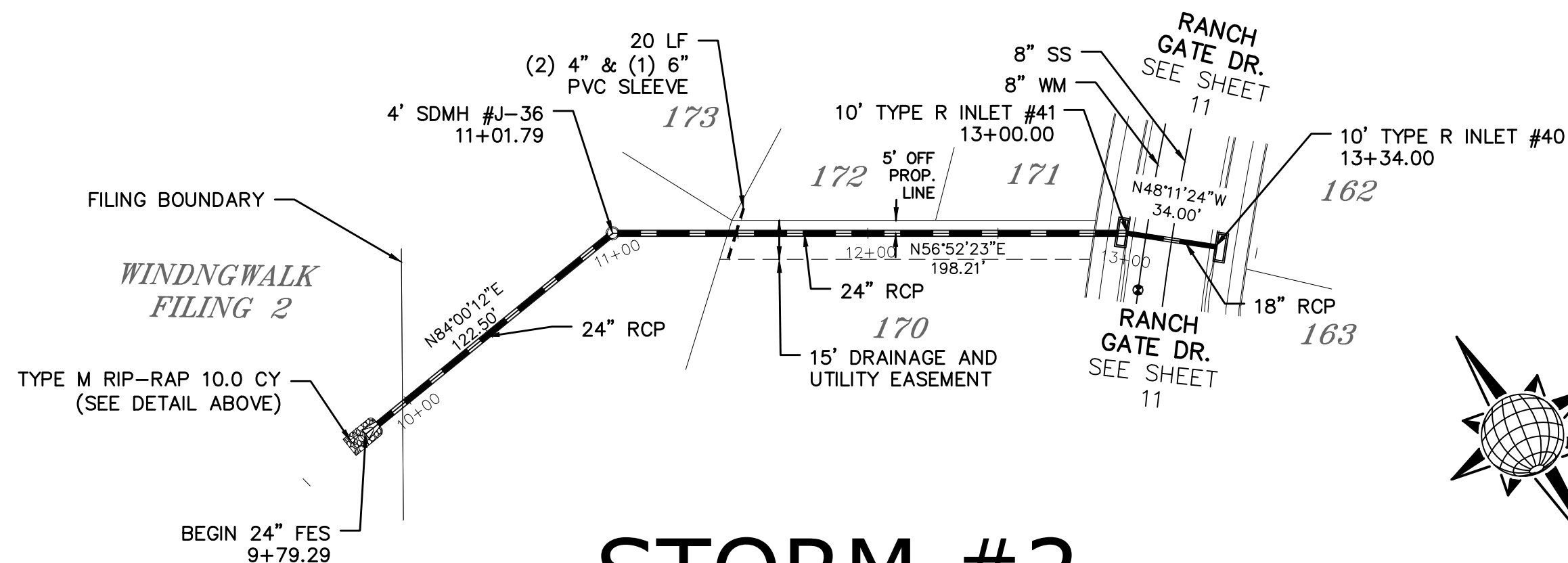
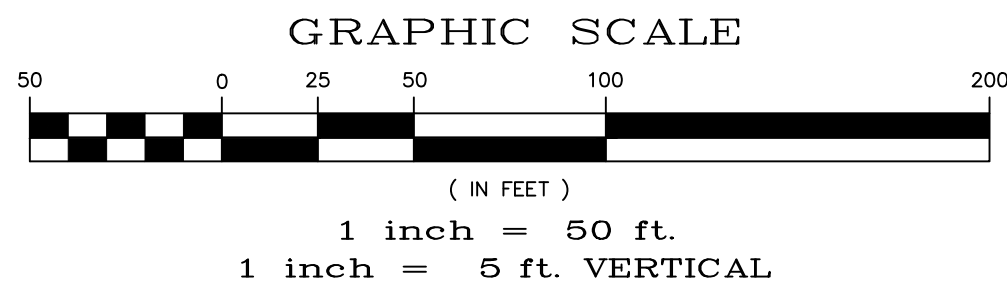


NOTES:

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

STORM #2  
OUTLET PROTECTION DETAIL  
NTS

	PIPE OUTLET	L	W	d	TYPE	D <sub>50</sub>	CY	Y	NOTES
STORM #2	24"	8.0	8.0	1.0	M	1.00'	10.0	2.3'	SEE RIGHT

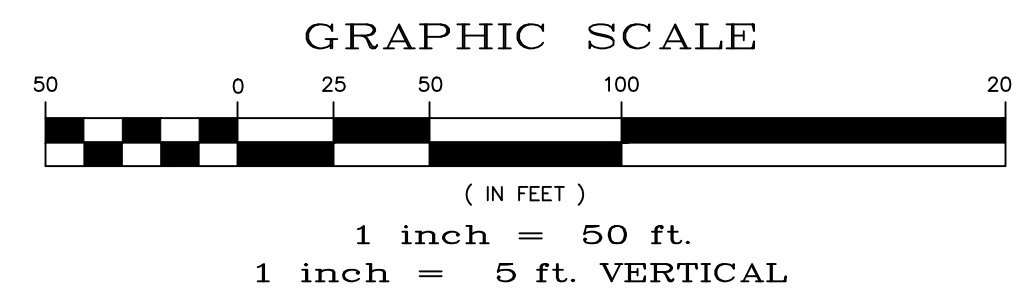
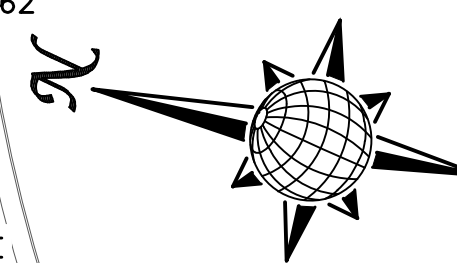
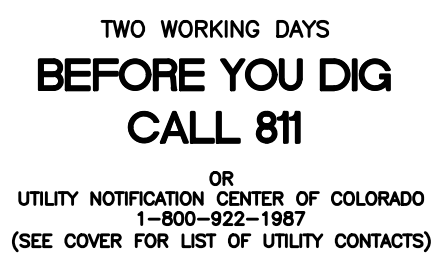


# STORM #1

# STORM #2



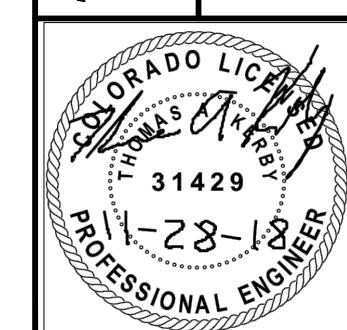




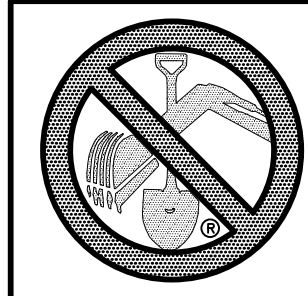
**TECH CONTRACTORS**  
**11886 STAPLETON DRIVE**  
**FALCON, CO 80831**  
**TELEPHONE: 719.495.7444**  
**FAX: 719.495.2457**



Scale <b>AS SHOWN</b>	<i>Drawn by</i>	LOG
	<i>Checked by</i>	TAK
	<i>Date</i>	OCTOBER 2018
	<b>16 of 32</b>	







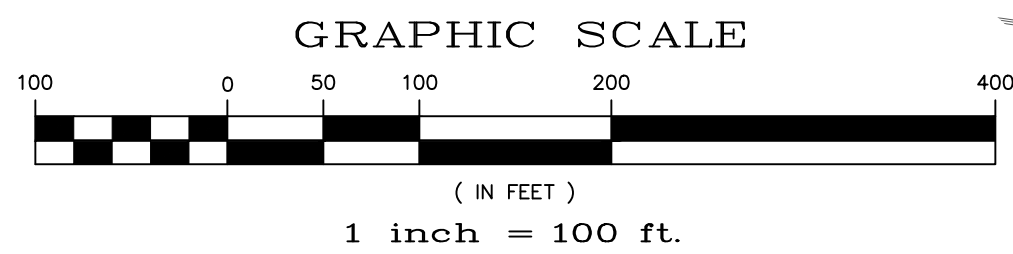
TWO WORKING DAYS  
**BEFORE YOU DIG  
CALL 811**  
OR  
UTILITY NOTIFICATION CENTER OF COLORADO  
1-800-922-1987  
(SEE COVER FOR LIST OF UTILITY CONTACTS)

STONEBRIDGE  
FILING 1

STONEBRIDGE  
FILING 3

WINDINGWALK  
FILING 2

WINDINGWALK  
FILING 1

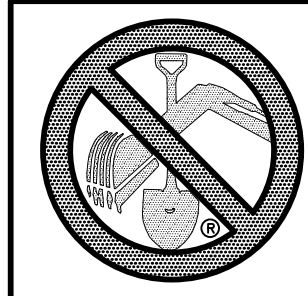


NOTE:  
CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.  
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:  
1)GUTHRIE RAW WATER EXTENSION THE VISTAS FILING 1 OFFSITE  
2)WINDINGWALK FILING 1 AT MERIDIAN RANCH  
3)WINDINGWALK FILING 2 AT MERIDIAN RANCH

NOTE:  
8" SS UNLESS OTHERWISE LABELED.

TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		No.		Revisions		Date	Init.	Appr.	Date
MERIDIAN RANCH		STONEBRIDGE FILING 4 AT MERIDIAN RANCH		STREET AND UTILITY PLANS		OVERALL SANITARY SEWER		OCTOBER 2018	
Scale	AS SHOWN	Drawn by	LOC	Checked by	TAK	Date	17 of 32		
PROFESSIONAL ENGINEER		31429							





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

STONEBRIDGE  
FILING 1

STONEBRIDGE  
FILING 3

TRACT B

TRACT B

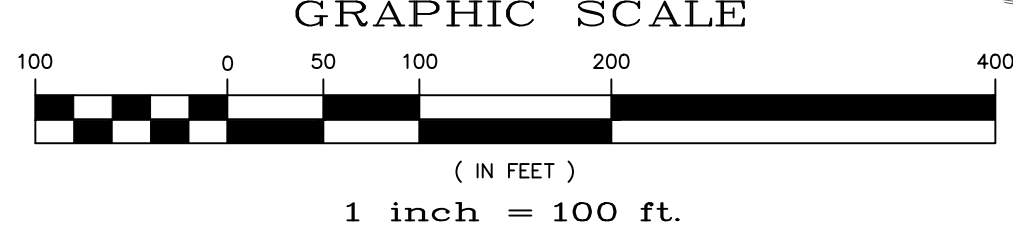
TRACT B

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

MERIDIAN RANCH

STONEBRIDGE FILING 4 AT  
MERIDIAN RANCH  
STREET AND UTILITY PLANS  
OVERALL SANITARY SEWER  
SERVICES

Scale  
AS SHOWN  
18 of 32  
Drawn by  
Loc  
Checked by  
TAK  
Date  
OCTOBER 2018

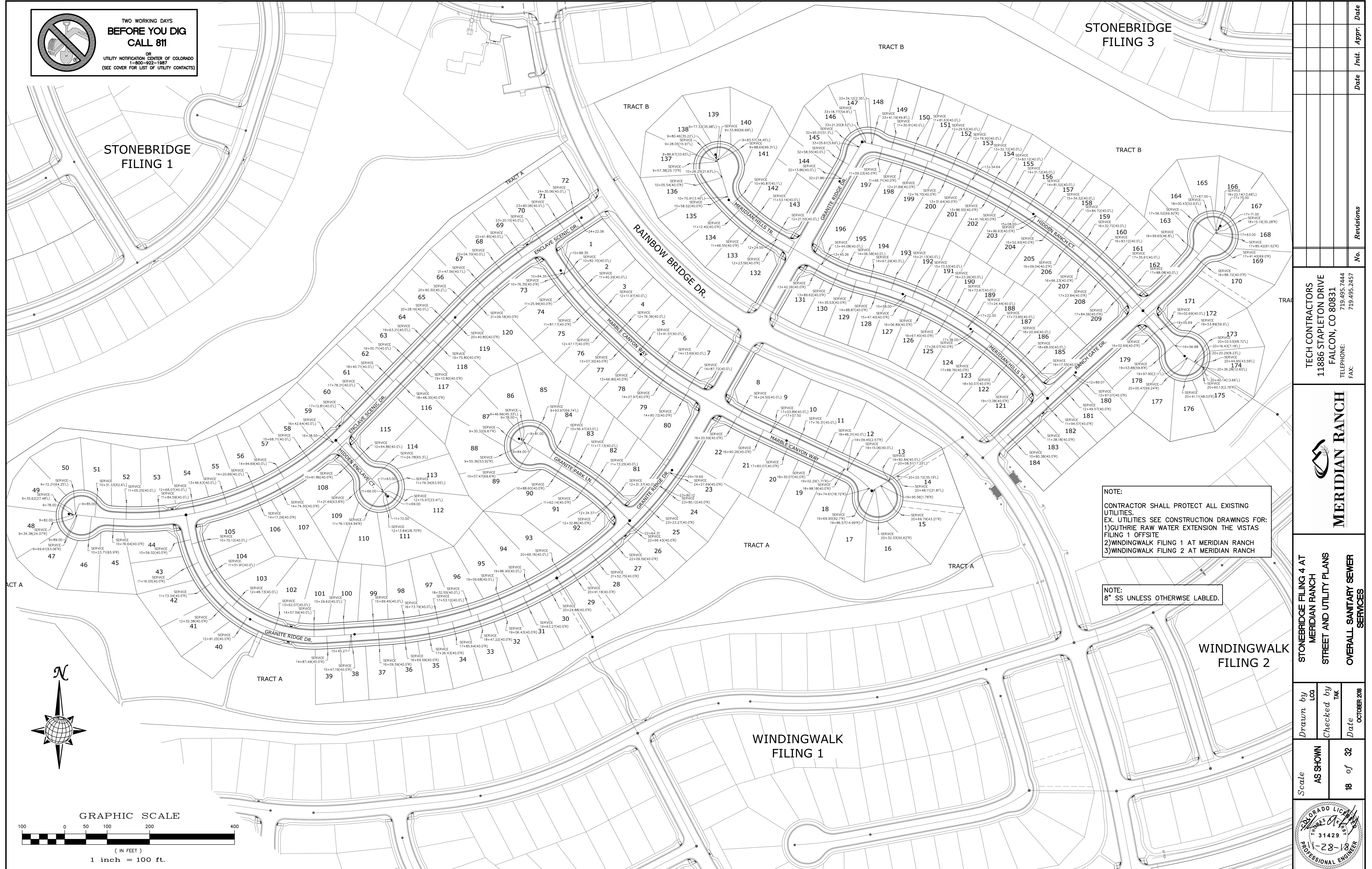


NOTE:  
CONTRACTOR SHALL PROTECT ALL EXISTING  
UTILITIES.  
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:  
1)GUTHRIE RAW WATER EXTENSION THE VISTAS  
FILING 1 OFFSITE  
2)WINDINGWALK FILING 1 AT MERIDIAN RANCH  
3)WINDINGWALK FILING 2 AT MERIDIAN RANCH

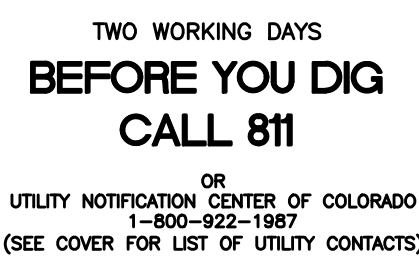
NOTE:  
8" SS UNLESS OTHERWISE LABELED.

WINDINGWALK  
FILING 1

WINDINGWALK  
FILING 2







### LEGEND

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

NOTE:

CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.

EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:

1)GUTHRIE RAW WATER EXTENSION THE VISTAS FILING 1 OFFSITE

2)WINDINGWALK FILING 1 AT MERIDIAN RANCH

3)WINDINGWALK FILING 2 AT MERIDIAN RANCH

**TECH CONTRACTORS**  
**11886 STAPLETON DRIVE**  
**FALCON, CO 80831**

**TELEPHONE:** 719.495.7444  
**FAX:** 719.495.2457



**MERIDIAN RANCH**

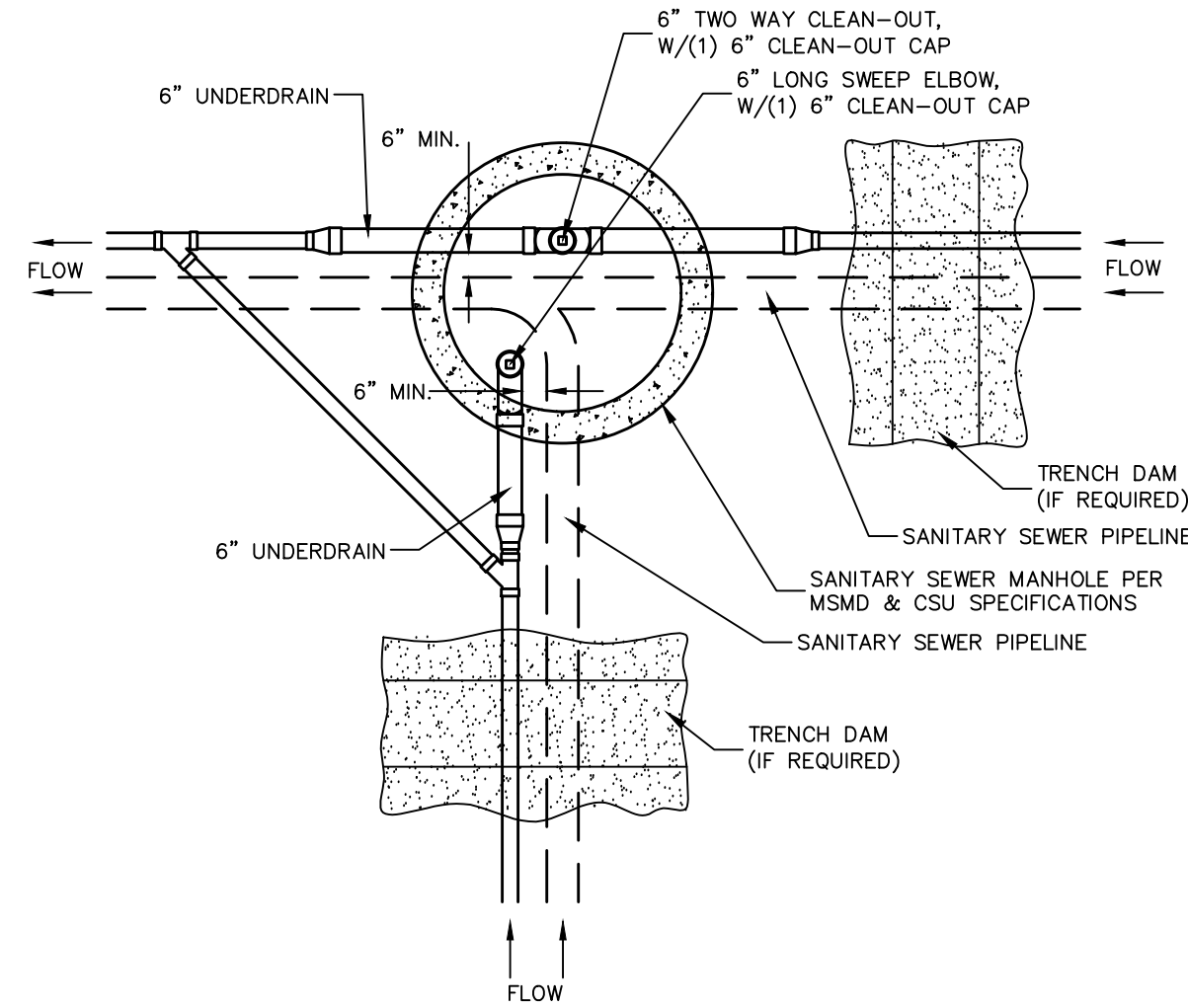
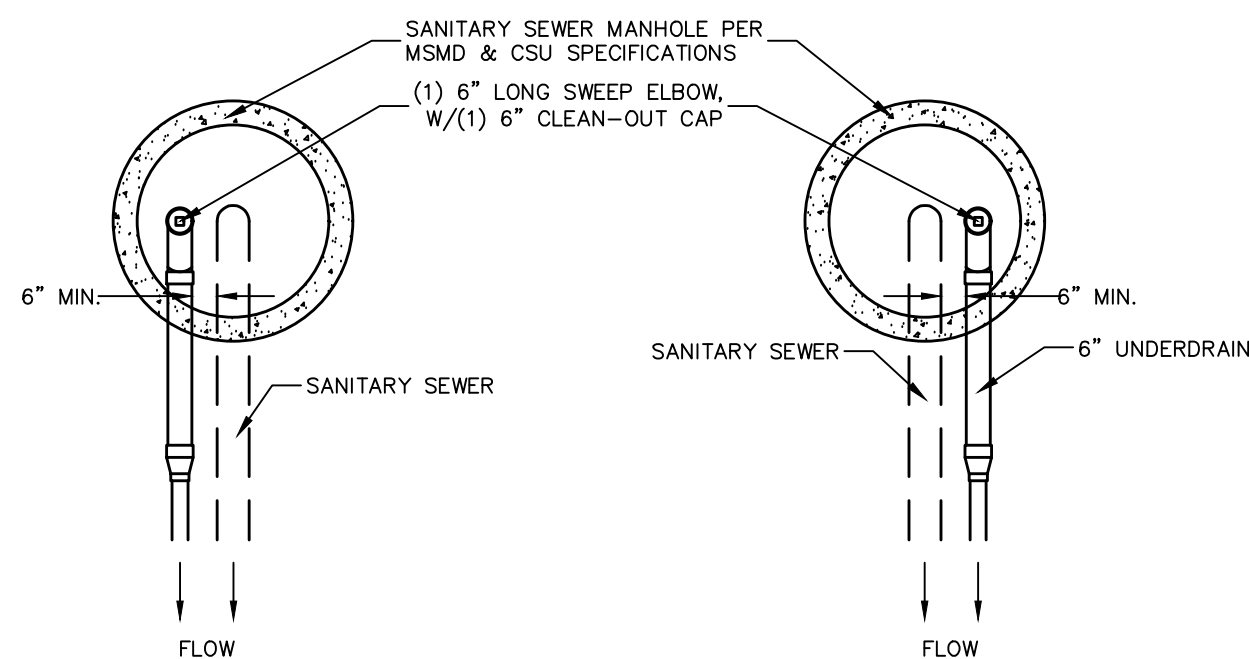
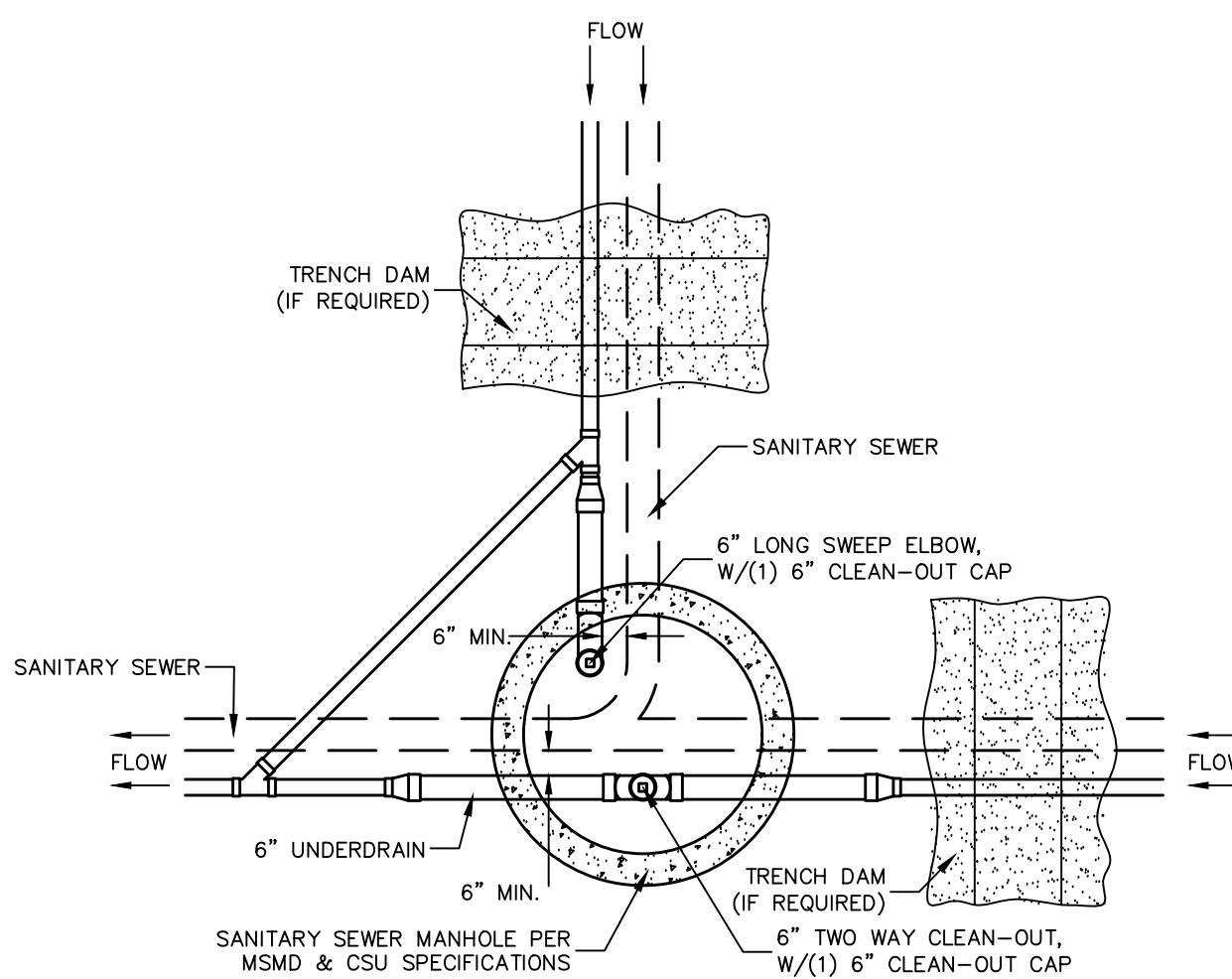
STONEBRIDGE FILING 4 AT  
MERIDIAN RANCH  
STREET AND UTILITY PLANS  
OVERALL UNDERDRAIN

Scale AS SHOWN	Drawn by LOG
	Checked by TAK
	Date OCTOBER 2018

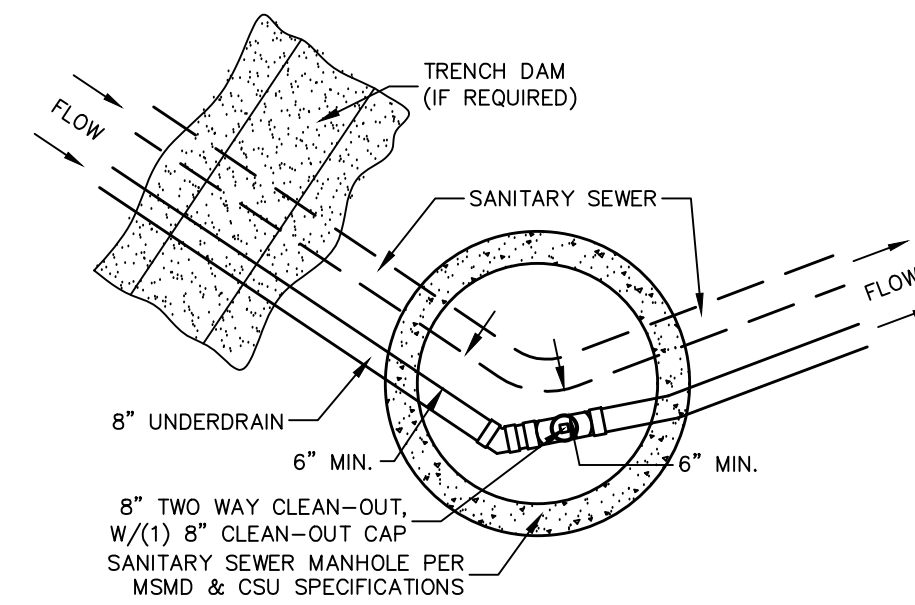
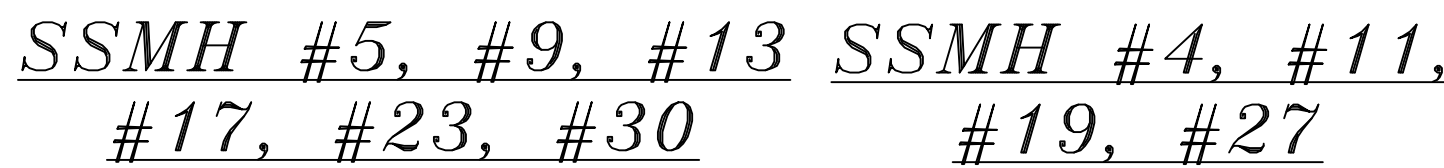
A circular professional engineer seal for Thomas A. Krey. The outer ring contains the text "COLORADO LICENSE" at the top and "PROFESSIONAL ENGINEER" at the bottom. Inside the ring, the name "THOMAS A. KREY" is written in a semi-circle. Below the name is the license number "31429". At the bottom of the seal is the expiration date "1-28-18". The seal is stamped over a document with a grid background.

PCD PROJECT NO. SF-18-023

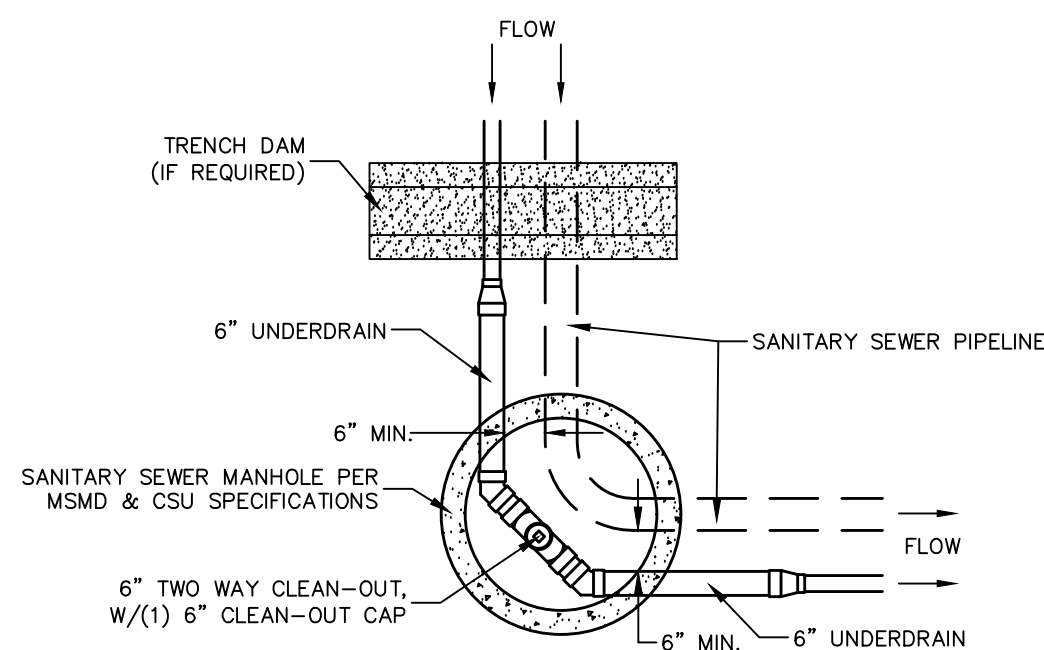
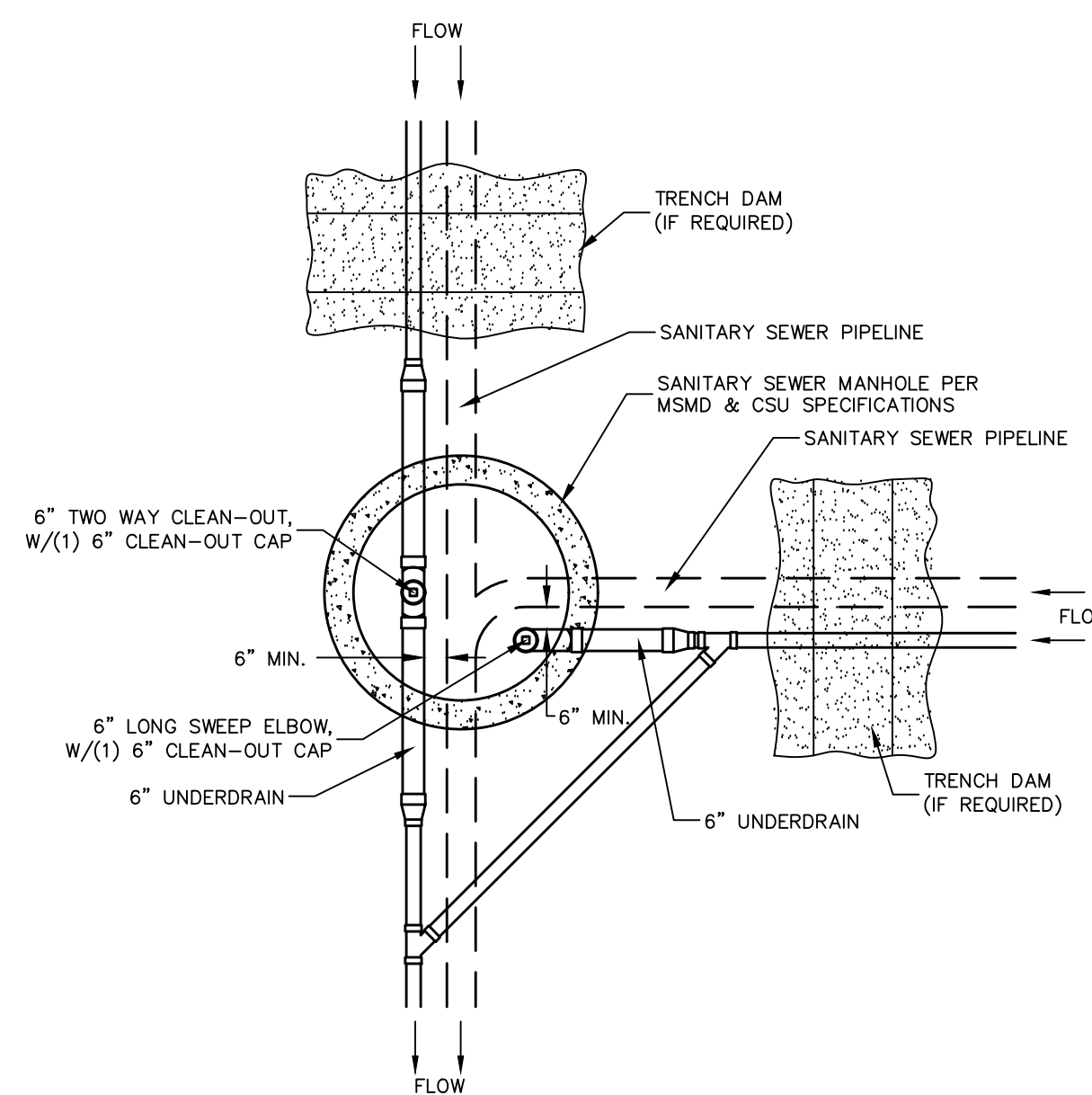


SSMH #10SSMH #3

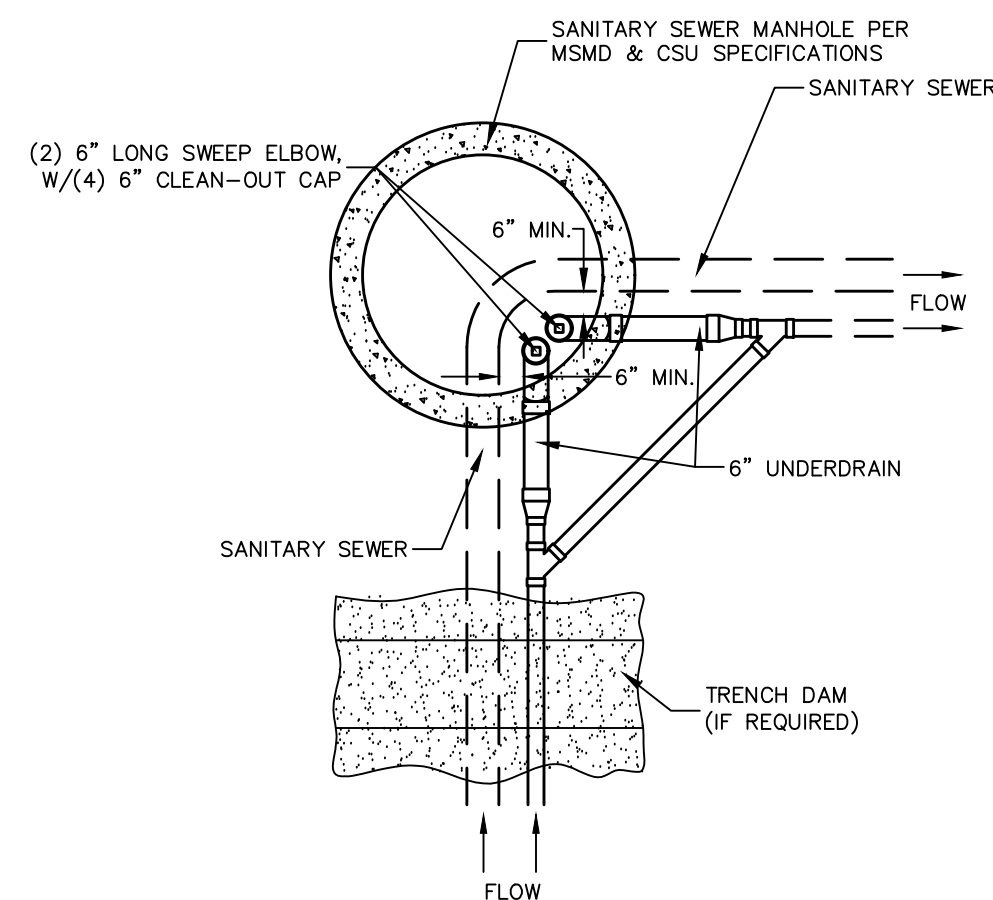
*SSMH #18*

SSMH #22, #24, #25

SSMH #1, #6, #7, #12, #15,  
#16, #20, #21, #28

SSMH #14

SSMH #26



SSMH #29

- | No. | Revisions | Date | Init. | Appr. | Date |
|-----|-----------|------|-------|-------|------|
|     |           |      |       |       |      |
|     |           |      |       |       |      |
|     |           |      |       |       |      |
|     |           |      |       |       |      |

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

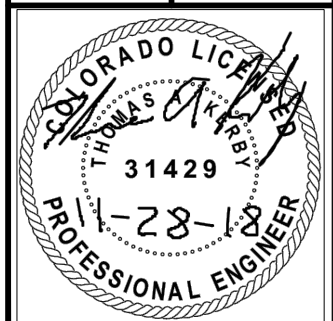


# MERIDIAN RANCH

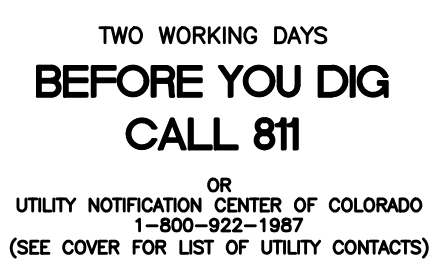
**STONEBRIDGE FILING 4 AT  
MERIDIAN RANCH  
STREET AND UTILITY PLANS**

## UNDERDRAIN DETAILS

<i>Scale</i> <b>AS SHOWN</b>	<i>Drawn by</i> <b>LCG</b>
	<i>Checked by</i> <b>TAK</b>
	<i>Date</i> <b>OCTOBER 2018</b>







**BEFORE YOU DIG**  
CALL 811  
OR  
UTILITY NOTIFICATION CENTER OF COLORADO  
1-800-222-1987  
(SEE COVER FOR LIST OF UTILITY CONTACTS)

**STONEBRIDGE FILING 1**

**STONEBRIDGE FILING 3**

**WINDINGWALK FILING 1**

**WINDINGWALK FILING 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

**GRAPHIC SCALE**  
100 0 50 100 200 400  
( IN FEET )  
1 inch = 100 ft.

**NOTE:**  
CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.  
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:  
1)GUTHRIE RAW WATER EXTENSION THE VISTAS FILING 1 OFFSITE  
2)WINDINGWALK FILING 1 AT MERIDIAN RANCH  
3)WINDINGWALK FILING 2 AT MERIDIAN RANCH

**NOTE:**  
8" WM UNLESS OTHERWISE LABELED.


NOTE:  
8" WM UNLESS OTHERWISE LABELED.

NOTE:

CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.  
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:  
1)GUTHRIE RAW WATER EXTENSION THE VISTAS FILING 1 OFFSITE  
2)WINDINGWALK FILING 1 AT MERIDIAN RANCH  
3)WINDINGWALK FILING 2 AT MERIDIAN RANCH

No.	Revisions	Date	Inst.	Appr.	Date

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

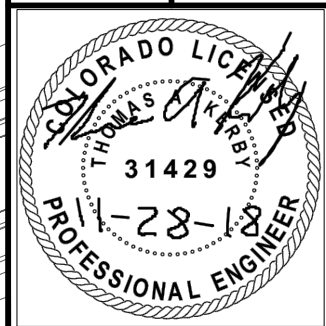


**MERIDIAN RANCH**

STONEBRIDGE FILING 4 AT  
MERIDIAN RANCH  
STREET AND UTILITY PLANS

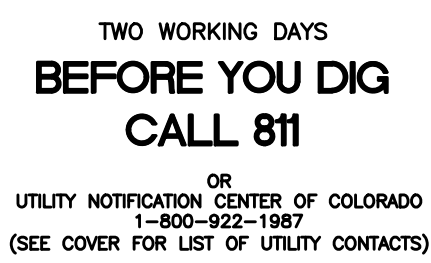
## OVERALL WATER

Scale <b>AS SHOWN</b>	<i>Drawn by</i> LOG
	<i>Checked by</i> TAK
	<i>Date</i> OCTOBER 2018

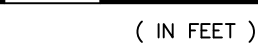


PCD PROJECT NO. SF-18-023





## ACT A



1 inch = 100 ft.

RESIDENTIAL HOME
4,800 SQ. FT. (MAX)
VB CONSTRUCTION
0 FIRE FLOW: 1750 GPM
FRONT SPACING: 500' (MAX)
LAY DIST.: 250' (MAX)
NON-SPRINKLER

TRACT

NOTE:

CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.

EX. UTILITIES SEE CONSTRUCTION DRAWNGS FOR:

1)GUTHRIE RAW WATER EXTENSION THE VISTAS FILING 1 OFFSITE

2)WINDINGWALK FILING 1 AT MERIDIAN RANCH

3)WINDINGWALK FILING 2 AT MERIDIAN RANCH

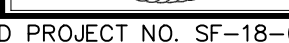
NOTE:  
3/4" WATER SERVICE UNLESS OTHERWISE LABELED



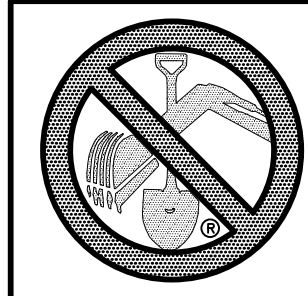
**MERIDIAN RANCH**

Drawn by	LOG
Checked by	TAK
Date	

Scale

[illegible]





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

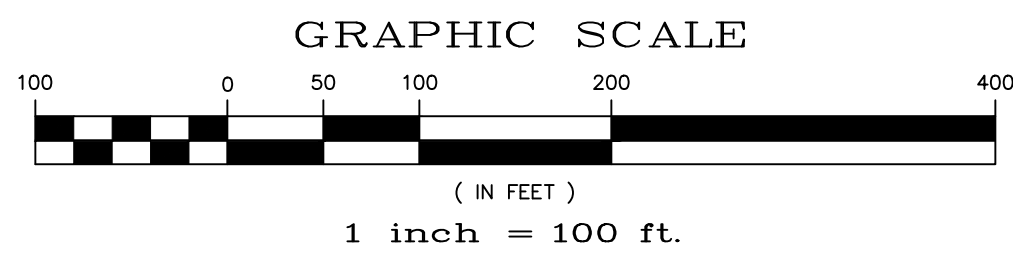
STONEBRIDGE  
FILING 1

STONEBRIDGE  
FILING 3

WINDINGWALK  
FILING 2

WINDINGWALK  
FILING 1

NOTE:  
CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.  
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:  
1)GUTHRIE RAW WATER EXTENSION THE VISTAS FILING 1 OFFSITE  
2)WINDINGWALK FILING 1 AT MERIDIAN RANCH  
3)WINDINGWALK FILING 2 AT MERIDIAN RANCH



No.	Revisions	Date	Init.	Appr.	Date

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



STONEBRIDGE FILING 4 AT  
MERIDIAN RANCH  
STREET AND UTILITY PLANS  
OVERALL STORM DRAIN

Drawn by	Loc
Checked by	TAK
Date	OCTOBER 2018

Scale	AS SHOWN
23 of	32



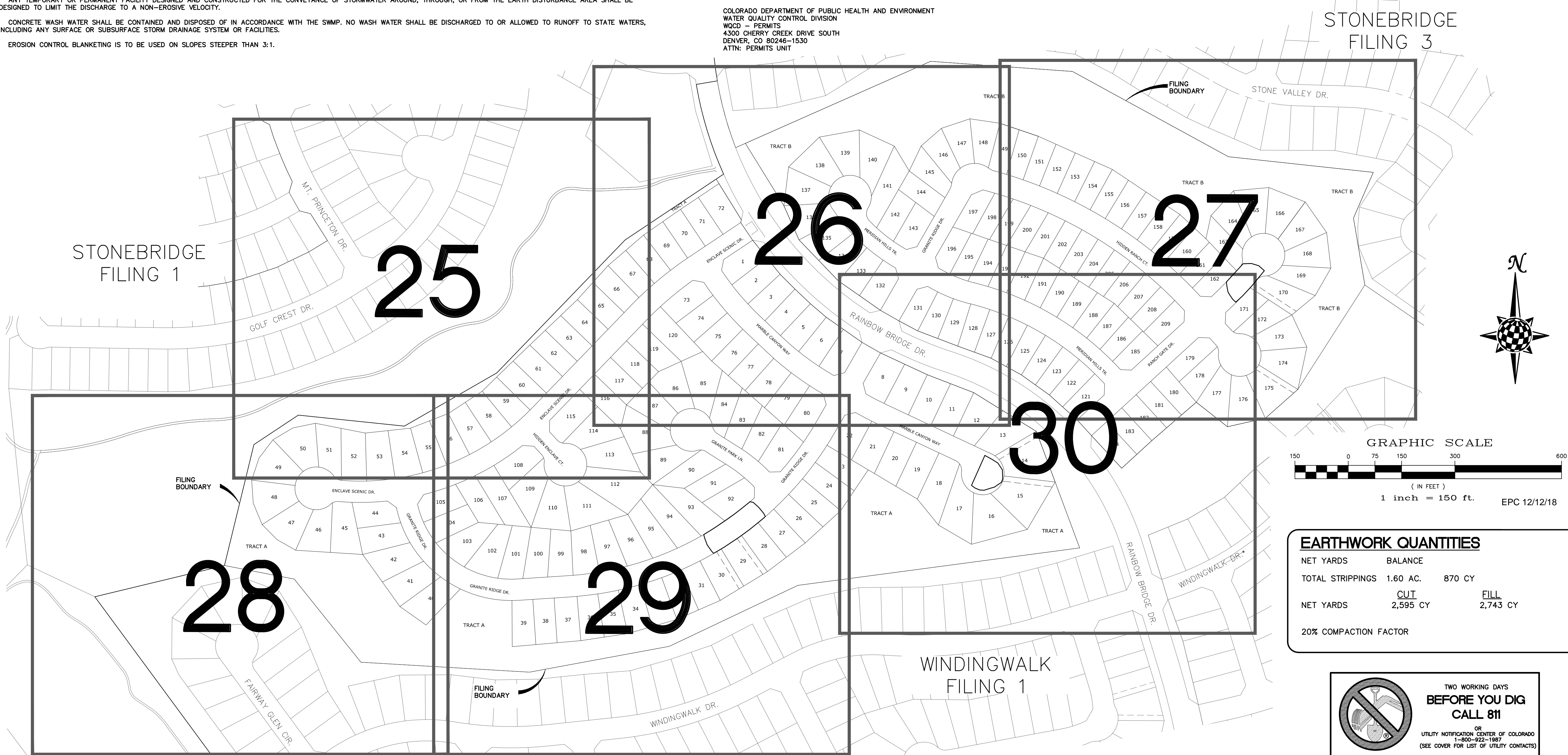




GENERAL NOTES:

1. CONSTRUCTION MAY NOT COMMENCE UNTIL A CONSTRUCTION PERMIT IS OBTAINED FROM PLANNING AND COMMUNITY DEVELOPMENT (PCD) AND A PRECONSTRUCTION CONFERENCE IS HELD WITH PCD INSPECTIONS.
2. STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF SITE WATERS, INCLUDING WETLANDS.
3. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS TO REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
4. A SEPARATE STORMWATER MANAGEMENT PLAN (SWMP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. DURING CONSTRUCTION THE SWMP IS THE RESPONSIBILITY OF THE DESIGNATED STORMWATER MANAGER, SHALL BE LOCATED ON SITE AT ALL TIMES AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
5. ONCE THE ESQCP HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL BMPs AS INDICATED ON THE GEC. A PRECONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, AND EL PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY PCD INSPECTIONS STAFF.
6. SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN 21 CALENDAR DAYS AFTER FINAL GRADING, OR FINAL EARTH DISTURBANCE, HAS BEEN COMPLETED. DISTURBED AREAS AND STOCKPILES WHICH ARE NOT AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS SHALL ALSO BE MULCHED WITHIN 21 DAYS AFTER INTERIM GRADING. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAN 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.
7. TEMPORARY SOIL EROSION CONTROL FACILITIES SHALL BE REMOVED AND EARTH DISTURBANCE AREAS GRADED AND STABILIZED WITH PERMANENT SOIL EROSION CONTROL MEASURES PURSUANT TO STANDARDS AND SPECIFICATION PRESCRIBED IN THE DCM VOLUME II AND THE ENGINEERING CRITERIA MANUAL (ECM) APPENDIX I.
8. ALL PERSONS ENGAGED IN EARTH DISTURBANCE SHALL IMPLEMENT AND MAINTAIN ACCEPTABLE SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING BMPs IN CONFORMANCE WITH THE EROSION CONTROL TECHNICAL STANDARDS OF THE DRAINAGE CRITERIA MANUAL (DCM) VOLUME II AND IN ACCORDANCE WITH THE STORMWATER MANAGEMENT PLAN (SWMP).
9. ALL TEMPORARY EROSION CONTROL FACILITIES INCLUDING BMPs AND ALL PERMANENT FACILITIES INTENDED TO CONTROL EROSION OF ANY EARTH DISTURBANCE OPERATIONS, SHALL BE INSTALLED AS DEFINED IN THE APPROVED PLANS, THE SWMP AND THE DCM VOLUME II AND MAINTAINED THROUGHOUT THE DURATION OF THE EARTH DISTURBANCE OPERATION.
10. ANY EARTH DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY REDUCE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME.
11. ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE DESIGNED TO LIMIT THE DISCHARGE TO A NON-EROSIVE VELOCITY.
12. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO RUNOFF TO STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
13. EROSION CONTROL BLANKETING IS TO BE USED ON SLOPES STEEPER THAN 3:1.

14. BUILDING, CONSTRUCTION, EXCAVATION, OR OTHER WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. BMP'S MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
15. VEHICLE TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFFSITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
17. THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, AND SAND THAT MAY ACCUMULATE IN THE STORM SEWER OR OTHER DRAINAGE CONVEYANCE SYSTEM AND STORMWATER APURTANCES AS A RESULT OF SITE DEVELOPMENT.
18. THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.
19. NO CHEMICALS ARE TO BE USED BY THE CONTRACTOR, WHICH HAVE THE POTENTIAL TO BE RELEASED IN STORMWATER UNLESS PERMISSION FOR THE USE OF A SPECIFIC CHEMICAL IS GRANTED IN WRITING BY THE EGM ADMINISTRATOR. IN GRANTING THE USE OF SUCH CHEMICALS, SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
20. BULK STORAGE STRUCTURES FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS SHALL HAVE ADEQUATE PROTECTION SO AS TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
21. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE FLOW LINE OF THE CURB AND GUTTER OR IN THE DITCHLINE.
22. INDIVIDUALS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS INCLUDED IN THE DCM VOLUME II AND THE EGM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, OR COUNTY AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
23. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
24. PRIOR TO ACTUAL CONSTRUCTION THE PERMITEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
25. A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
26. THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY ENTECH ENGINEERING, INC. AND SHALL BE CONSIDERED A PART OF THESE PLANS.
27. AT LEAST TEN DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB 1 ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN (SWMP), OF WHICH THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

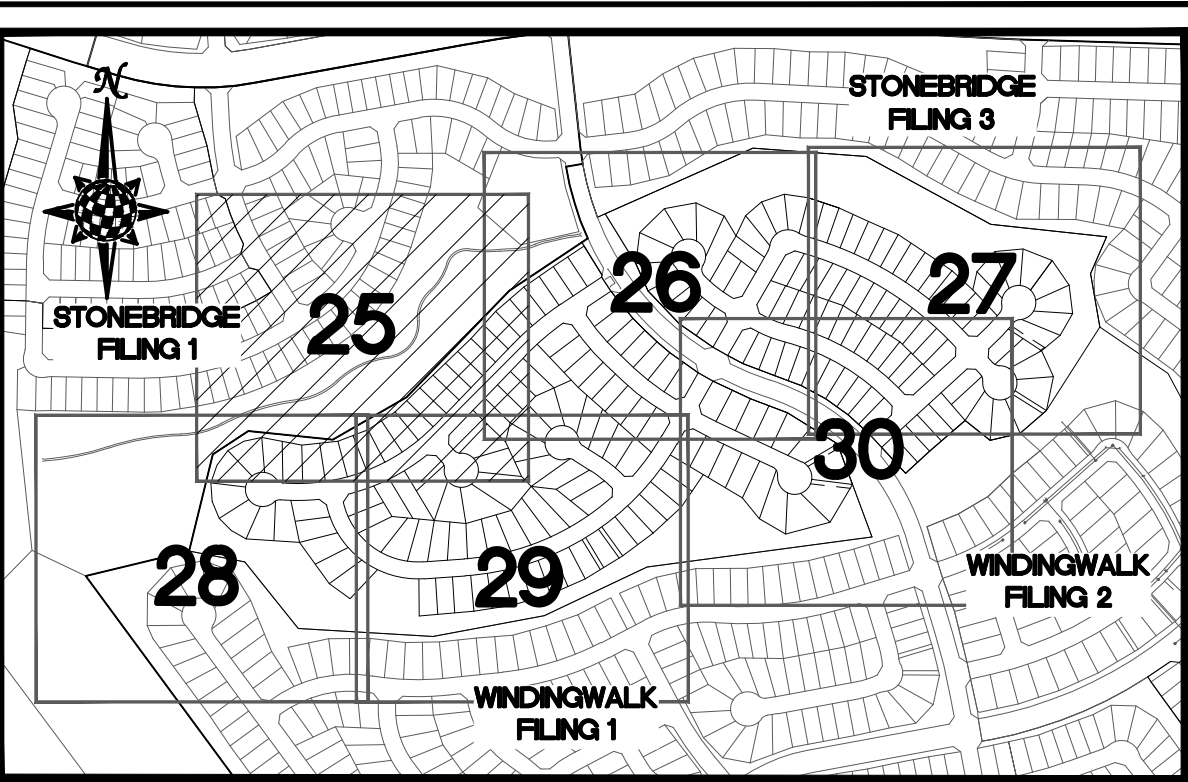
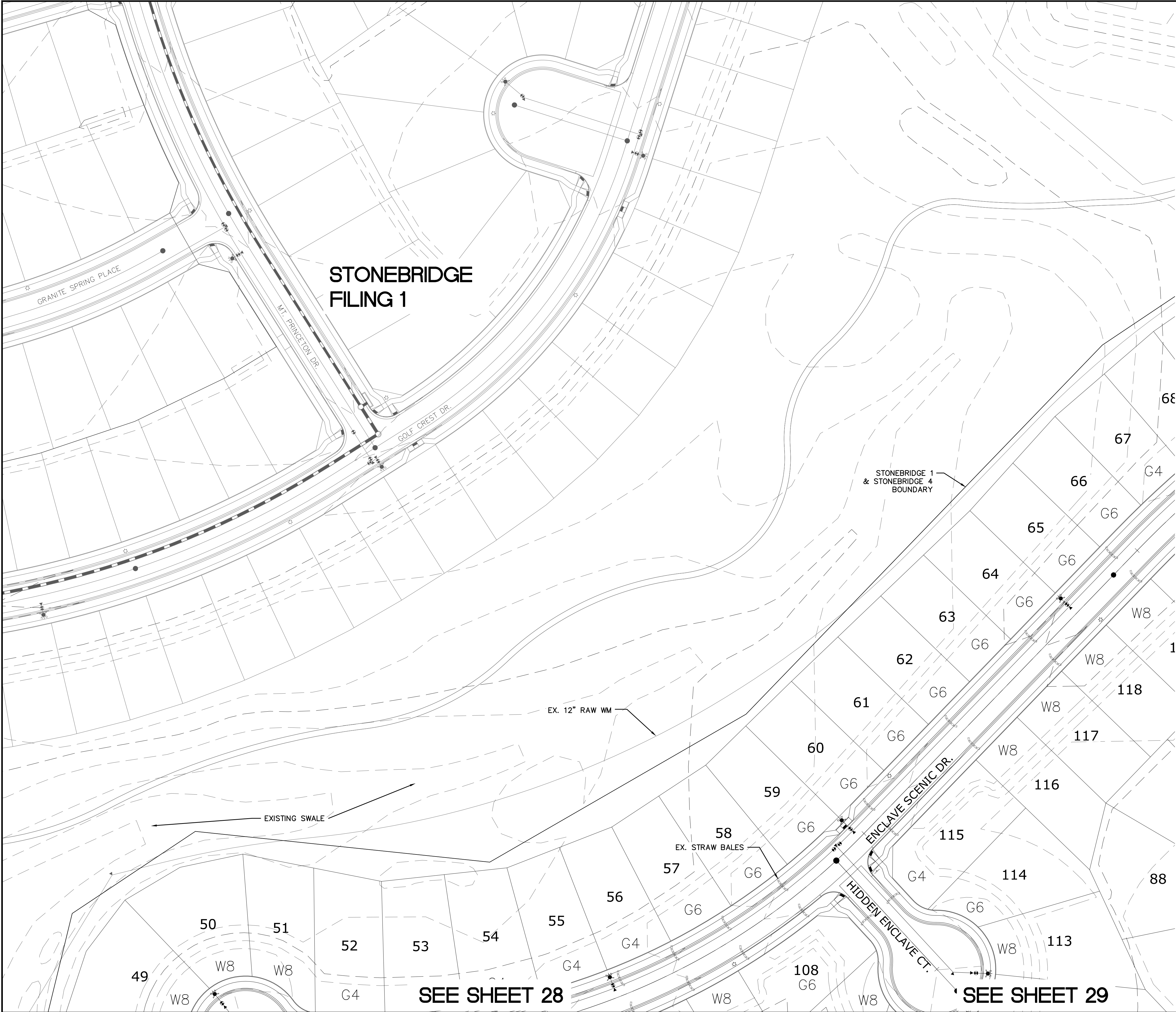
COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT  
WATER QUALITY CONTROL DIVISION  
WQCD - PERMITS  
4300 CHERRY CREEK DRIVE SOUTH  
DENVER, CO 80246-1530  
ATTN: PERMITS UNIT



	Scale	AS SHOWN	Drawn by LCS	STONEBRIDGE FLING 4 AT MERIDIAN RANCH	 <b>MERIDIAN RANCH</b>	TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457										
	24 of 32	Date OCTOBER 2018					Checked by TAK									
					INDEX SHEET		No.	Revisions	Date	Inst.	Appr.	Date				



S:\CivilProj\Stonebridge Filing 4\DWG\Plan Sheets\Improvement Plans\04-S4.dwg, 11/29/2018 3:24:05 PM



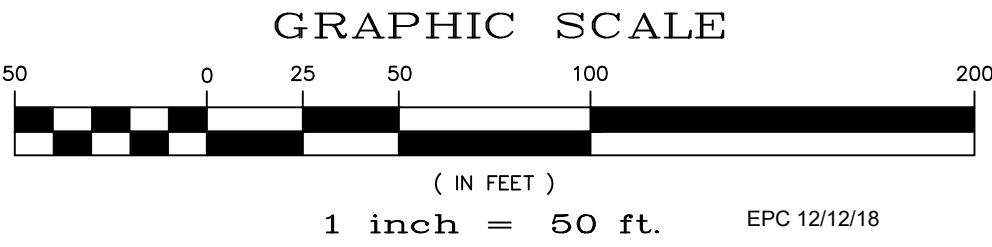
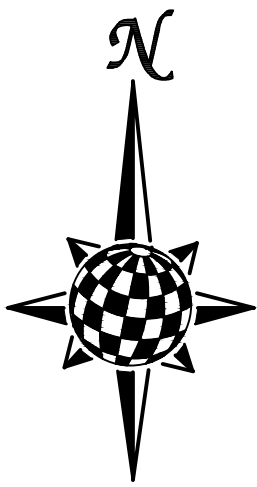
INDEX MAP  
N.T.S.

LEGEND

SYMBOL	ACRONYM	DESCRIPTION
		STRAW BALES
		EROSION WATTLES PER DETAIL SHEET 32
		EROSION CONTROL BLANKET PER DETAIL ECB-1 & ECB-2 DCM VOL. 2
	RCP	REINFORCED CONCRETE PIPE
	(SF)	SILT FENCE PER DETAIL SF-1, SF-2 & SF-3 DCM VOL. 2
	(VTC)	VEHICLE TRACKING CONTROL PER DETAIL VT-2 DCM VOL. 2
	(IP)	INLET PROTECTION PER DETAIL SHEET 32
		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 31.

CONTRACTOR SHALL PROTECT ALL EXISTING  
UTILITIES.  
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:  
1)WINDINGWALK FILING 1 AT MERIDIAN RANCH  
2)WINDINGWALK FILING 2 AT MERIDIAN RANCH  
3)THE VISTAS FILING 1 AT MERIDIAN RANCH  
4)OFFSITE IMPROVEMENTS FOR THE VISTAS FILING  
1 AT MERIDIAN RANCH

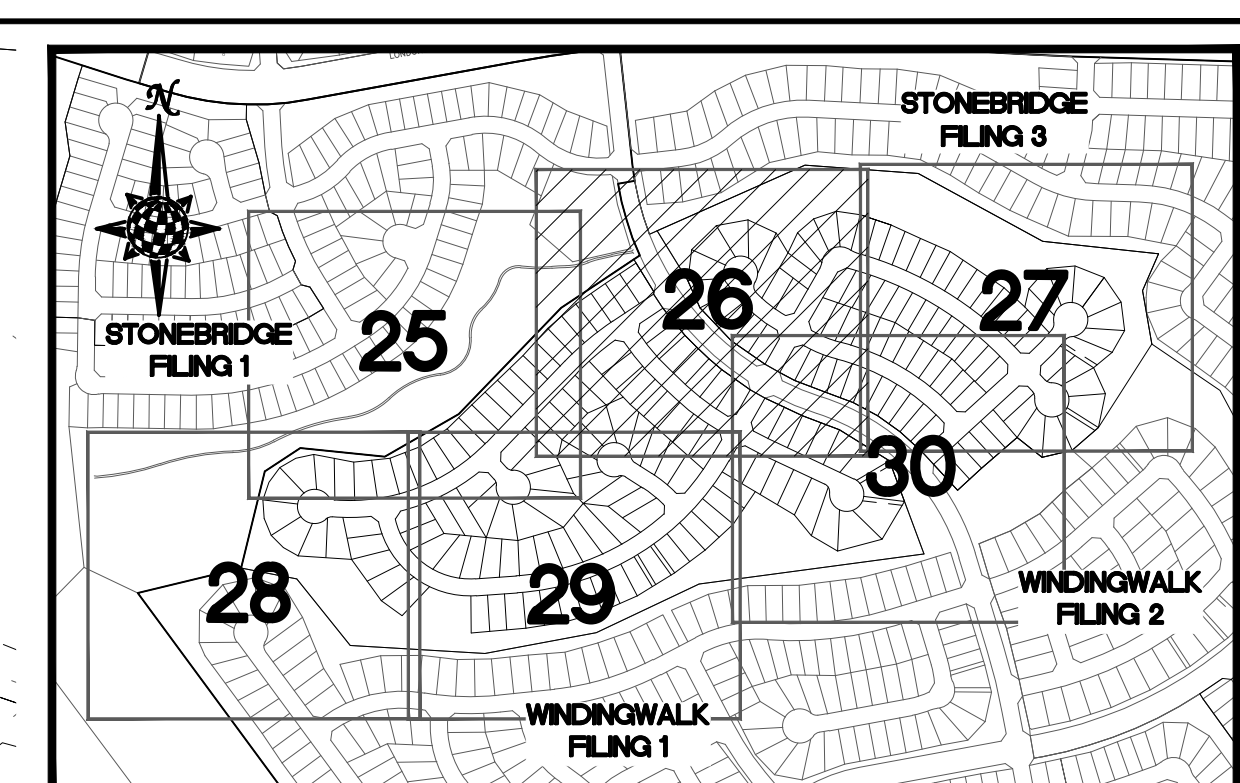
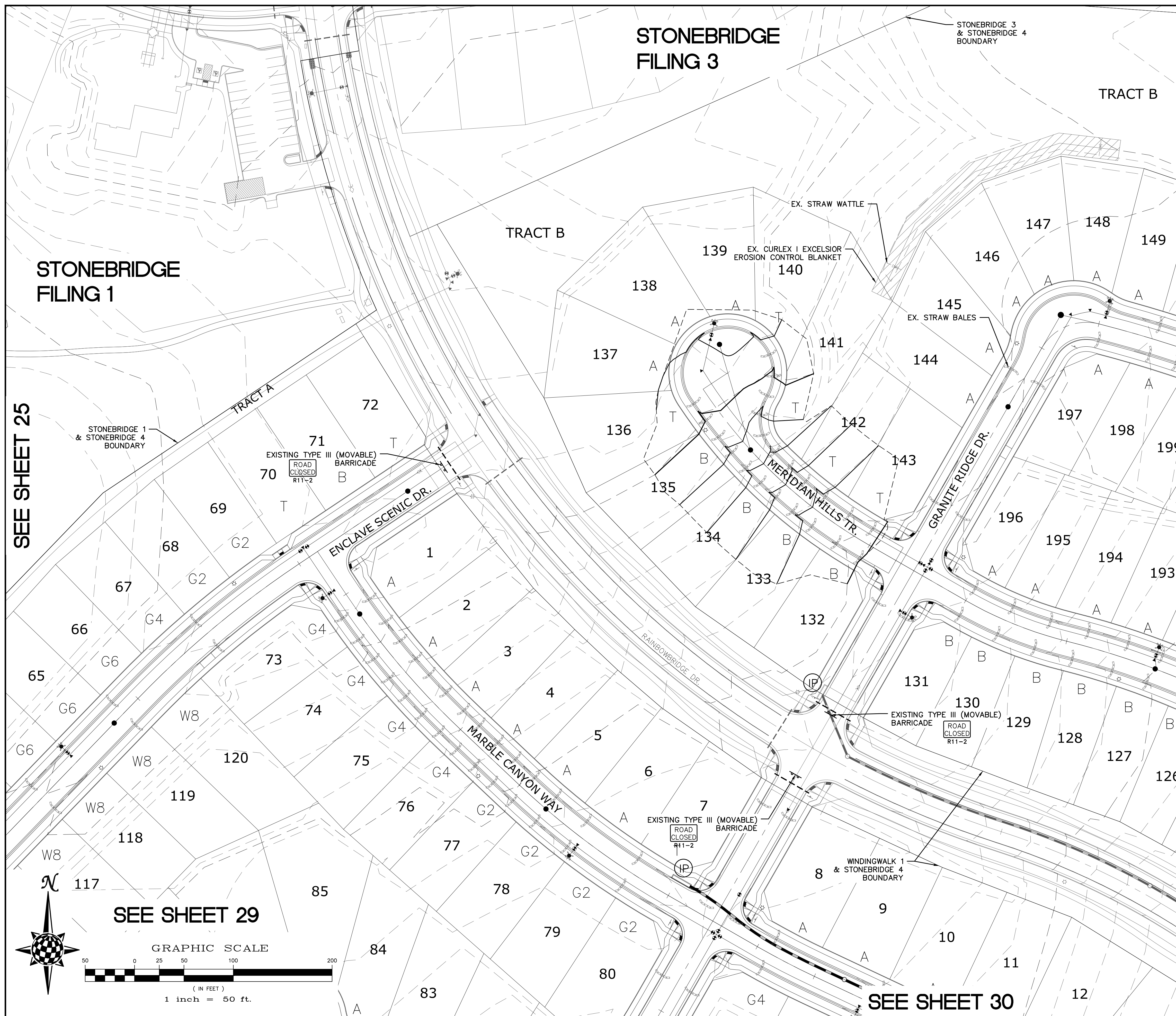


TWO WORKING DAYS  
**BEFORE YOU DIG  
CALL 811**

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



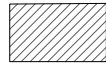
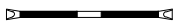





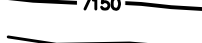
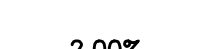



Date		Date		Date	
Init.		Appr.		Date	
Revisions		No.		No.	
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
MERIDIAN RANCH					
STONEBRIDGE FILING 4 AT MERIDIAN RANCH GRADING+EROSION CONTROL PLAN LAYOUT					
Drawn by LCS		Checked by TAK		Date OCTOBER 2018	
Scale AS SHOWN		25 of 32		Date	





*INDEX MAP*  
N.T.S.

LEGEND


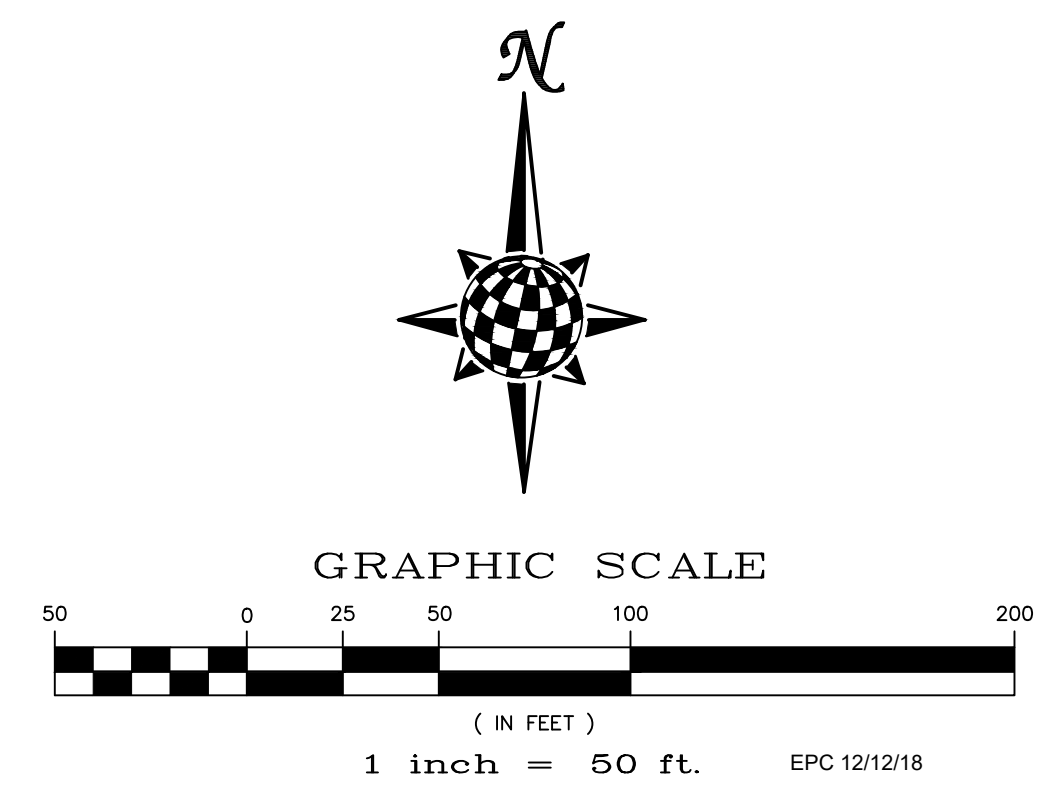
SYMBOL	ACRONYM	DESCRIPTION
		STRAW BALES
		EROSION WATTLES PER DETAIL SHEET 32
		EROSION CONTROL BLANKET PER DETAIL ECB-1 & ECB-2 DCM VOL. 2
	RCP	REINFORCED CONCRETE PIPE
	(SF)	SILT FENCE PER DETAIL SF-1, SF-2 & SF-3 DCM VOL. 2
	(VTC)	VEHICLE TRACKING CONTROL PER DETAIL VT-2 DCM VOL. 2
	(IP)	INLET PROTECTION PER DETAIL SHEET 32
		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 31.

CONTRACTOR SHALL PROTECT ALL EXISTING  
UTILITIES.

EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:

- 1) WINDINGWALK FILING 1 AT MERIDIAN RANCH
- 2) WINDINGWALK FILING 2 AT MERIDIAN RANCH
- 3) THE VISTAS FILING 1 AT MERIDIAN RANCH
- 4) OFFSITE IMPROVEMENTS FOR THE VISTAS FILING  
1 AT MERIDIAN RANCH

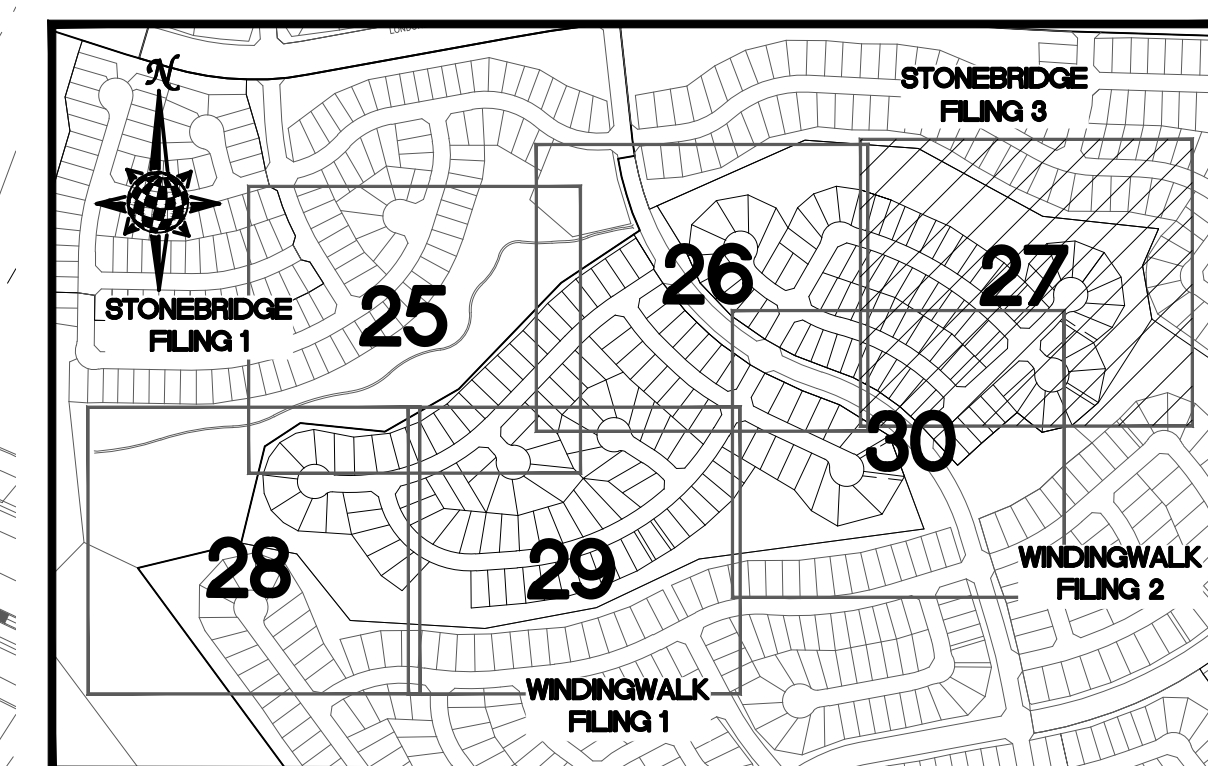
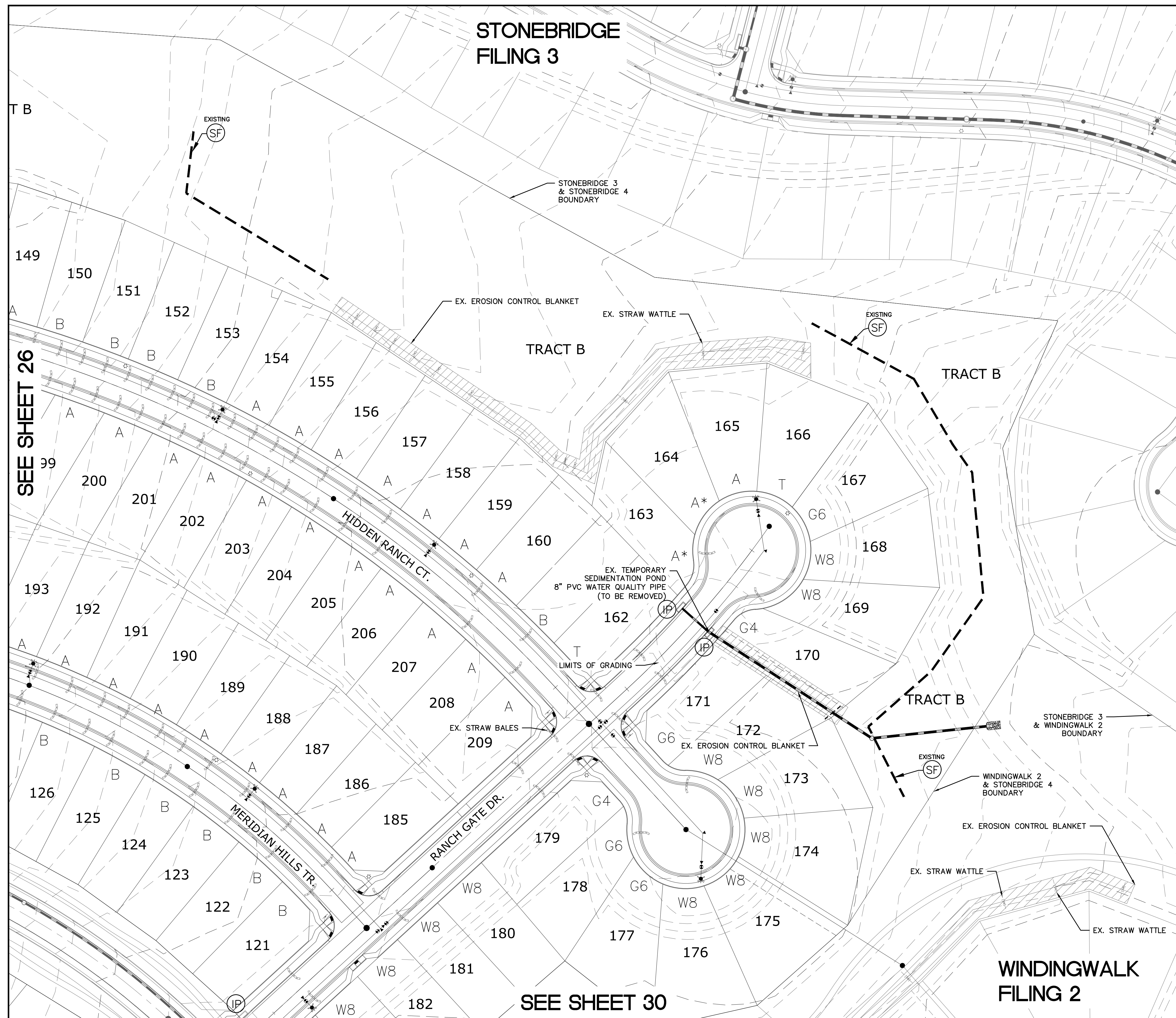


TWO WORKING DAYS  
**BEFORE YOU DIG**  
**CALL 811**

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

	Scale	Drawn by	STONEBRIDGE FILING 4 AT MERIDIAN RANCH	 <b>MERIDIAN RANCH</b>	TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457					
	AS SHOWN	Loca								
	26 of 32	Checked by	TAK			GRADING/EROSION CONTROL PLAN LAYOUT				
		Date	OCTOBER 2018							
									No.	Revisions









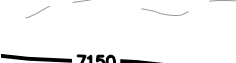
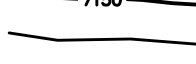
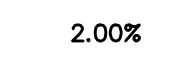




# INDEX MAP

N.T.S.

LEGEND

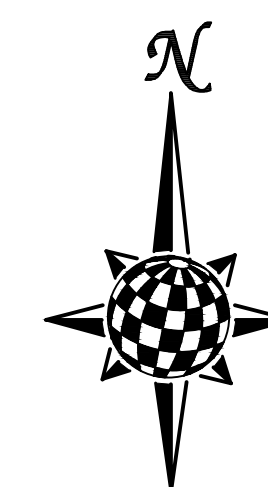
<u>SYMBOL</u>	<u>ACRONYM</u>	<u>DESCRIPTION</u>
		STRAW BALES
		EROSION WATTLES PER DETAIL SHEET 32
		EROSION CONTROL BLANKET PER DETAIL ECB-1 & ECB-2 DCM VOL. 2
	RCP	REINFORCED CONCRETE PIPE
	(SF)	SILT FENCE PER DETAIL SF-1, SF-2 & SF-3 DCM VOL. 2
	(VTC)	VEHICLE TRACKING CONTROL PER DETAIL VT-2 DCM VOL. 2
	(IP)	INLET PROTECTION PER DETAIL SHEET 32
		EXISTING CONTOUR (10')
		EXISTING CONTOUR (2')
		PROPOSED CONTOUR (10')
		PROPOSED CONTOUR (2')
2.00%		GRADE
75		LOT NUMBER
		LOT GRADE TYPE

NOTE:  
ALL CONTOURS SHOWN WITHIN THE PLAN SET  
ARE TO FINISHED SURFACE. ALL STREET  
SECTIONS ARE TO BE GRADED TO ROUGH  
SUB-GRADE AS SHOWN IN THEIR RESPECTIVE  
TYPICAL STREET SECTION SHOWN ON SHEET 31.

CONTRACTOR SHALL PROTECT ALL EXISTING  
UTILITIES.

EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:

- 1) WINDINGWALK FILING 1 AT MERIDIAN RANCH
- 2) WINDINGWALK FILING 2 AT MERIDIAN RANCH
- 3) THE VISTAS FILING 1 AT MERIDIAN RANCH
- 4) OFFSITE IMPROVEMENTS FOR THE VISTAS FILING  
1, AT MERIDIAN RANCH

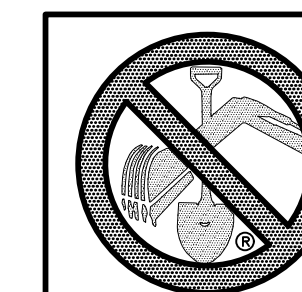


**GRAPHIC SCALE**

( IN FEET )

**1 inch = 50 ft.**

EPC 12/12/18



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

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

[illegible]

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



**MERIDIAN RANCH**

STONEBRIDGE FILING 4 AT  
MERIDIAN RANCH  
GRADING+EROSION CONTROL PLAN  
LAYOUT

Drawn by LOG	Checked by TAK	Date
-----------------	-------------------	------

Scale  
AS SHOWN  
27 of 32

