

UTILITY CONTACTS:

WATER – MERIDIAN SERVICE METROPOLITAN DISTRICT POC: BRADEN McCORRY (719)–495–6567	GAS – BLACK HILLS ENERGY (719)–393–6625
SANITARY SEWER – MERIDIAN SERVICE METROPOLITAN DISTRICT POC: BRADEN McCORRY (719)–495–6567	ELECTRIC – MOUNTAIN VIEW ELECTRIC ASSOC. (719)–495–2283
DRAINAGE – EL PASO COUNTY PCD/INSPECTIONS (719)–520–6300	GEOTECHNICAL ENGINEER – ENTECH ENGINEERING, INC. (719)–531–5599
DRAINAGE – MERIDIAN SERVICE METROPOLITAN DISTRICT POC: TOM KERBY (719)–495–7444	FALCON FIRE PROTECTION DISTRICT (719) 495–4050

CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

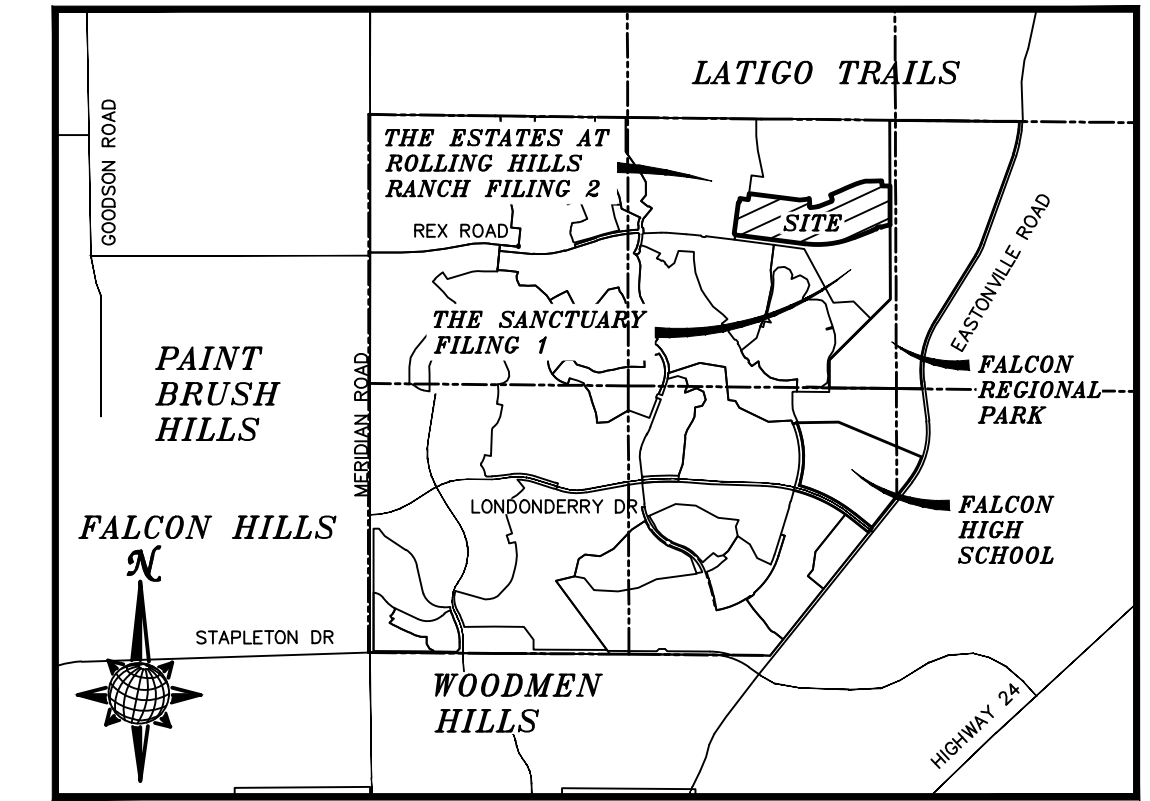
EPC STORMWATER REVIEW COMMENTS IN ORANGE BOXES WITH BLACK TEXT

CONSTRUCTION DRAWINGS FOR ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH

IMPROVEMENT PLANS

PREPARED FOR GTL, INC. DBA GTL DEVELOPMENT, INC.

A PARCEL OF LAND LOCATED IN A PORTION OF SECTION 20, IN TOWNSHIP 12 SOUTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN, EL PASO COUNTY, STATE OF COLORADO.



VICINITY MAP N.T.S.

LEGAL DESCRIPTION:

KNOW ALL MEN BY THESE PRESENTS: THAT GTL, INC. DBA GTL DEVELOPMENT, INC., THEODORE TCHANG, PRESIDENT BEING THE OWNER OF THE FOLLOWING DESCRIBED TRACT OF LAND:

A PARCEL OF LAND LOCATED IN A PORTION OF SECTION 20, IN TOWNSHIP 12 SOUTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE EASTERLY RIGHT-OF-WAY OF ESTATE RIDGE DRIVE AS DEDICATED IN THE ESTATES AT ROLLING HILLS RANCH FILING NO. 2, RECORDED WITH RECEPTION NO. 222714944 IN THE RECORDS OF EL PASO COUNTY, POINT BEING ON THE EASTERN BOUNDARY LINE OF SAID FILING;

THE FOLLOWING FIVE (5) COURSES ARE ON SAID BOUNDARY LINE:

1. THENCE N07°26'02"E A DISTANCE OF 616.00 FEET;
2. THENCE N52°26'02"E A DISTANCE OF 31.11 FEET;
3. THENCE N07°26'02"E A DISTANCE OF 60.00 FEET;
4. THENCE S82°33'58"E A DISTANCE OF 168.00 FEET;
5. THENCE N07°26'02"E A DISTANCE OF 120.00 FEET;
6. THENCE S82°33'58"E A DISTANCE OF 1005.00 FEET;
7. THENCE N83°02'50"E A DISTANCE OF 125.64 FEET;
8. THENCE N76°59'35"E A DISTANCE OF 60.00 FEET TO A NON-TANGENT CURVE TO THE RIGHT;
9. THENCE ON THE ARC OF SAID CURVE, HAVING A RADIUS OF 430.00 FEET, A DELTA ANGLE OF 29°52'23", AN ARC LENGTH OF 153.41 FEET, WHOSE LONG CHORD BEARS S02°47'11"E A DISTANCE OF 152.59 FEET;
10. THENCE S37°33'58"E A DISTANCE OF 31.11 FEET TO A NON-TANGENT CURVE TO THE LEFT;
11. THENCE ON THE ARC OF SAID CURVE, HAVING A RADIUS OF 320.00 FEET, A DELTA ANGLE OF 29°52'23", AN ARC LENGTH OF 166.84 FEET, WHOSE LONG CHORD BEARS N82°29'50"E A DISTANCE OF 164.98 FEET;
12. THENCE N67°33'39"E A DISTANCE OF 278.06 FEET;
13. THENCE N22°33'39"E A DISTANCE OF 31.11 FEET;
14. THENCE N22°26'21"W A DISTANCE OF 103.00 FEET;
15. THENCE N67°33'39"E A DISTANCE OF 230.00 FEET;
16. THENCE N64°41'54"E A DISTANCE OF 100.12 FEET;
17. THENCE N67°33'39"E A DISTANCE OF 215.00 FEET;
18. THENCE N69°55'18"E A DISTANCE OF 97.94 FEET;
19. THENCE N77°08'32"E A DISTANCE OF 97.44 FEET;
20. THENCE N87°17'03"E A DISTANCE OF 98.28 FEET;
21. THENCE N89°46'57"E A DISTANCE OF 225.24 FEET;
22. THENCE S00°13'03"E A DISTANCE OF 99.94 FEET;
23. THENCE N89°46'57"E A DISTANCE OF 160.00 FEET TO A POINT ON THE WESTERN BOUNDARY OF FALCON REGIONAL PARK RECORDED WITH RECEPTION NO. 214093227;

THE FOLLOWING COURSE IS ON SAID BOUNDARY LINE:

24. THENCE S00°13'03"E A DISTANCE OF 769.32 FEET TO A NON-TANGENT CURVE TO THE LEFT, POINT BEING ON THE NORTHERN BOUNDARY OF THE SANCTUARY FILING NO. 1 AT MERIDIAN RANCH RECORDED WITH RECEPTION NO. 223715140 IN THE RECORDS OF EL PASO COUNTY;

THE FOLLOWING NINE (9) COURSES ARE ON THE BOUNDARY LINE OF SAID THE SANCTUARY FILING NO. 1 AT MERIDIAN RANCH:

25. THENCE ON THE ARC OF SAID CURVE, HAVING A RADIUS OF 2050.00 FEET, A DELTA ANGLE OF 05°02'20", AN ARC LENGTH OF 180.29 FEET, WHOSE LONG CHORD BEARS S75°52'06"W A DISTANCE OF 180.23 FEET;
26. THENCE N62°31'53"W A DISTANCE OF 31.42 FEET;
27. THENCE S71°53'44"W A DISTANCE OF 60.00 FEET;
28. THENCE S26°19'21"W A DISTANCE OF 31.42 FEET TO A NON-TANGENT CURVE TO THE LEFT;
29. THENCE ON THE ARC OF SAID CURVE, HAVING A RADIUS OF 2050.00 FEET, A DELTA ANGLE OF 02°03'13", AN ARC LENGTH OF 73.48 FEET, WHOSE LONG CHORD BEARS S69°24'55"W A DISTANCE OF 73.48 FEET;
30. THENCE S68°23'18"W A DISTANCE OF 399.50 FEET TO A POINT OF CURVE TO THE RIGHT;
31. THENCE ON THE ARC OF SAID CURVE, HAVING A RADIUS OF 1930.00 FEET, A DELTA ANGLE OF 29°02'43", AN ARC LENGTH OF 978.39 FEET, WHOSE LONG CHORD BEARS S82°54'40"W A DISTANCE OF 967.95 FEET;
32. THENCE N82°33'58"W A DISTANCE OF 1387.37 FEET;
33. THENCE N37°33'58"W A DISTANCE OF 31.11 FEET TO THE POINT OF BEGINNING;

THE ABOVE PARCEL OF LAND CONTAINS 60.700 ACRES, MORE OR LESS.

SHEET NO	SHEET INDEX	SHEET NO	SHEET INDEX
1	COVER SHEET	17	CRYSTAL FALLS DRIVE
2	INDEX SHEET	18	SHELTER CREEK DRIVE
3	NOTES SHEET	19	SIDEWALK & STRIPING PLAN
4-5	DETAIL SHEETS	20	OVERALL SANITARY SEWER
6-7	SUNRISE RIDGE DRIVE	21-22	OVERALL SANITARY SEWER SERVICES
8	SUNRISE RIDGE DRIVE & STORM #1	23	OVERALL UNDERDRAIN
9	REDWALL DRIVE & HORN HILL DRIVE	24	UNDERDRAIN DETAILS
10	HORN HILL DRIVE & GALEROS DRIVE	25	OVERALL WATER
11	GALEROS DRIVE & STORM #2	26-27	OVERALL WATER SERVICES
12	TEMPLE BUTTE DRIVE	28	OVERALL STORM DRAIN
13	BRIGHT ANGEL DRIVE	29	GRADING INDEX SHEET
14	TAPEATS DRIVE & SS #1	30-34	GRADING LAYOUT SHEETS
15	HOUSE ROCK DRIVE	35	GRADING LAYOUT CUT-FILL SHEET
16	HOUSE ROCK DRIVE & CARDENAS DRIVE	36-37	GRADING DETAIL SHEET

DEVELOPERS STATEMENT:

DEVELOPERS STATEMENT:

THE UNDERSIGNED DEVELOPER HAS READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

RAUL GUZMAN, VICE PRESIDENT
GTL DEVELOPMENT, INC.

DESIGN ENGINEER'S STATEMENT:

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID DETAILED PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

THOMAS A. KERBY, P.E. #31429

DISTRICT ENGINEER:

THOMAS A. KERBY, PE CO 31429
MERIDIAN SERVICE METROPOLITAN DISTRICT

WATER AND SANITARY SEWER APPROVALS:

JIM NIKKEL, GENERAL MANAGER
MERIDIAN SERVICE METROPOLITAN DISTRICT

OWNERS STATEMENT:

OWNERS STATEMENT:

THE UNDERSIGNED OWNER HAS READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

RAUL GUZMAN, VICE PRESIDENT
GTL DEVELOPMENT, INC.

RAUL GUZMAN, VICE PRESIDENT
MERIDIAN RANCH INVESTMENTS, INC.

EL PASO COUNTY:

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA VOL. 1 & 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT BEEN STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

JOSHUA PALMER, P.E.
COUNTY ENGINEER / ECM ADMINISTRATOR

BASIS OF BEARING

BASIS OF BEARINGS FOR THIS DESCRIPTION IS THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 29, T12S, R64W OF THE 6TH P.M., WHICH IS ASSUMED TO BEAR S89°25'42"E FROM THE SOUTHWEST CORNER OF SECTION 29 (A STONE W/SCRIBED "X") TO THE SOUTH QUARTER CORNER OF SECTION 29 (3.25" ALUM. CAP LS 30087).



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)

BENCH MARK

- 1) MRR01 – 3 1/4" ALUMINUM CAP ON NO.8 REBAR LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF LONDONDERRY DRIVE AND ANGELES ROAD. LOCATED AT THE SE CORNER OF THE MERIDIAN RANCH RECREATIONAL CENTER SIGN. ELEVATION – 7098.40'
- 2) MRRM1 – 3 1/4" ALUMINUM CAP ON NO.6 REBAR LOCATED ON THE WEST SIDE OF RAINBOW BRIDGE DRIVE 1,150 FEET NORTH OF LONDONDERRY DRIVE. LOCATED NEAR THE BACK OF SIDE WALK AT THE NW CORNER OF RAINBOW BRIDGE DRIVE AND THE NORTHERLY ENTRANCE TO MERIDIAN RANCH ELEMENTARY SCHOOL (10480 RAINBOW BRIDGE DRIVE). ELEVATION – 7099.73'

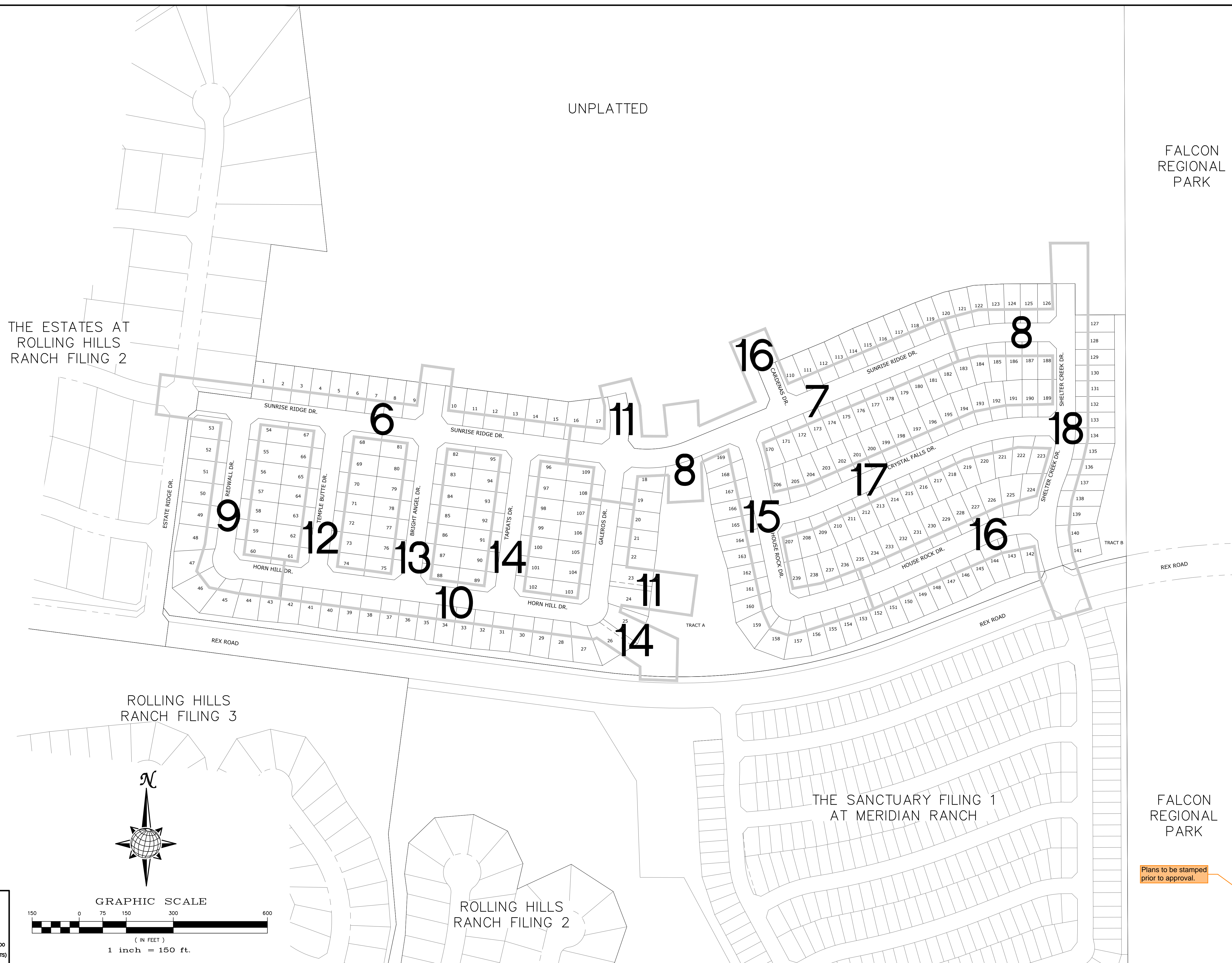
TECH CONTRACTORS
11910 TOURMALINE DR, #130
FALCON, CO 80831
TELEPHONE: 719.495.7444



ROLLING HILLS RANCH NORTH FILING 1
AT MERIDIAN RANCH
STREET AND UTILITY PLANS
COVER SHEET

Scale AS SHOWN
1 of 37

Drawn by LOG
Checked by TAK
Date NOVEMBER 2023



THE ESTATES AT ROLLING HILLS RANCH FILING 2

UNPLATTED


FALCON REGIONAL PARK

THE SANCTUARY FILING 1 AT MERIDIAN RANCH

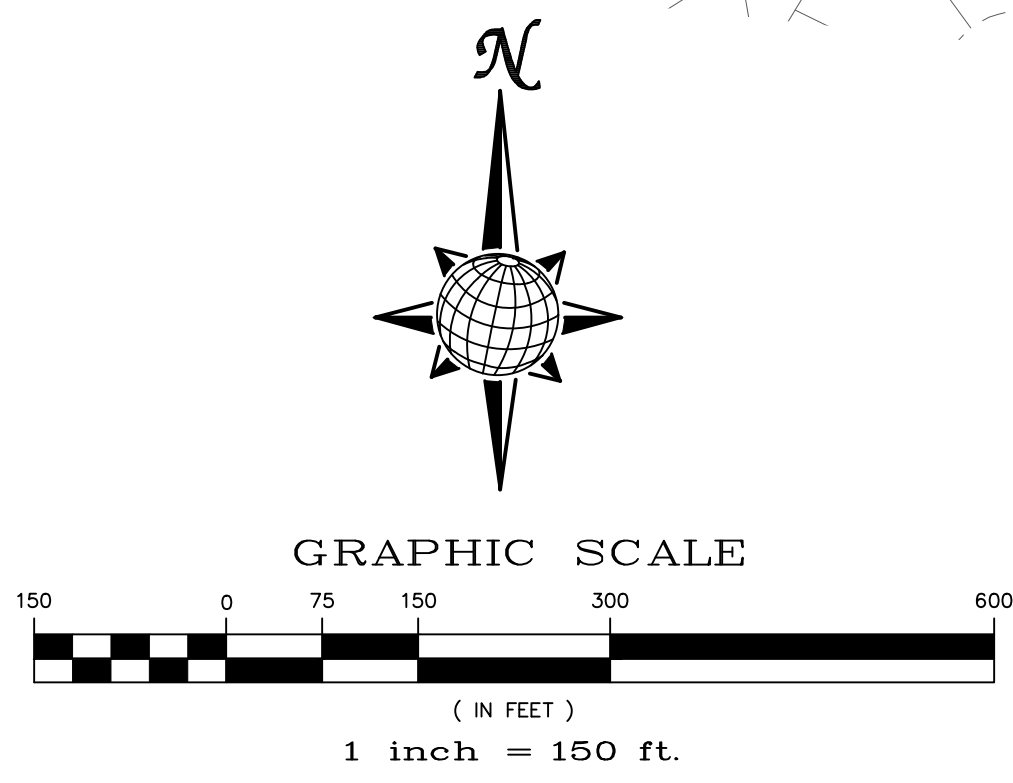
ROLLING HILLS RANCH FILING 3

ROLLING HILLS RANCH FILING 2

FALCON REGIONAL PARK

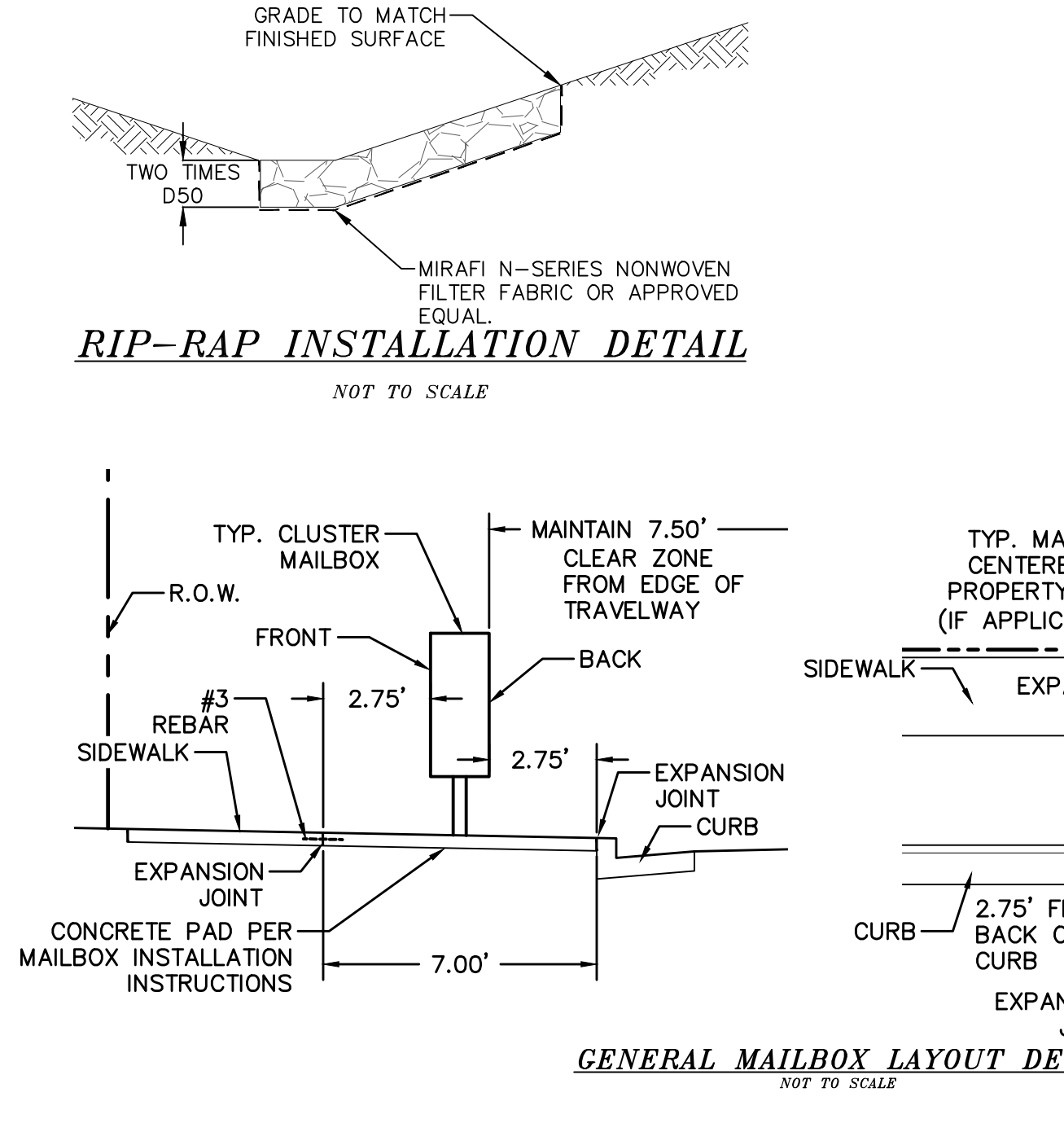
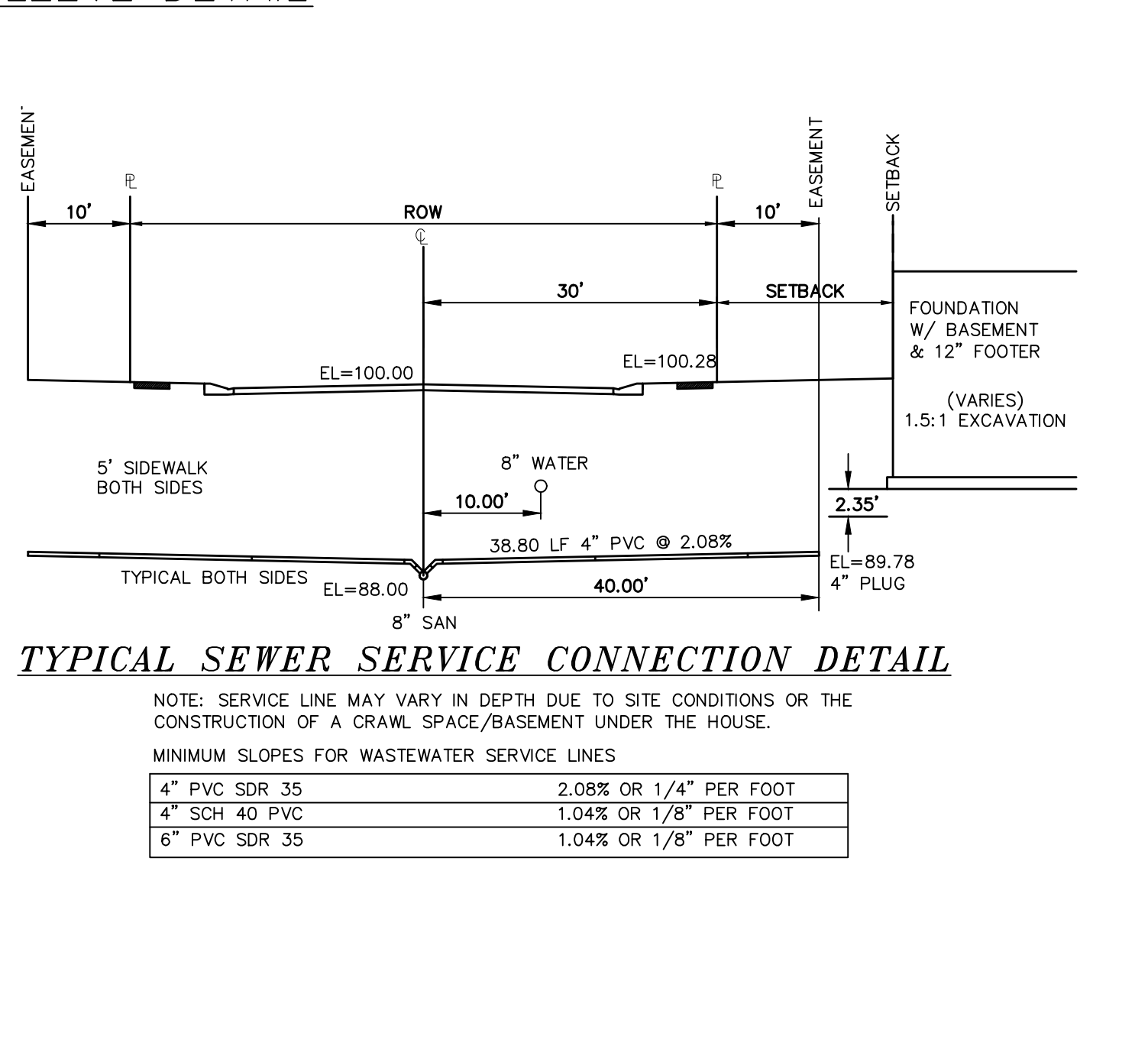
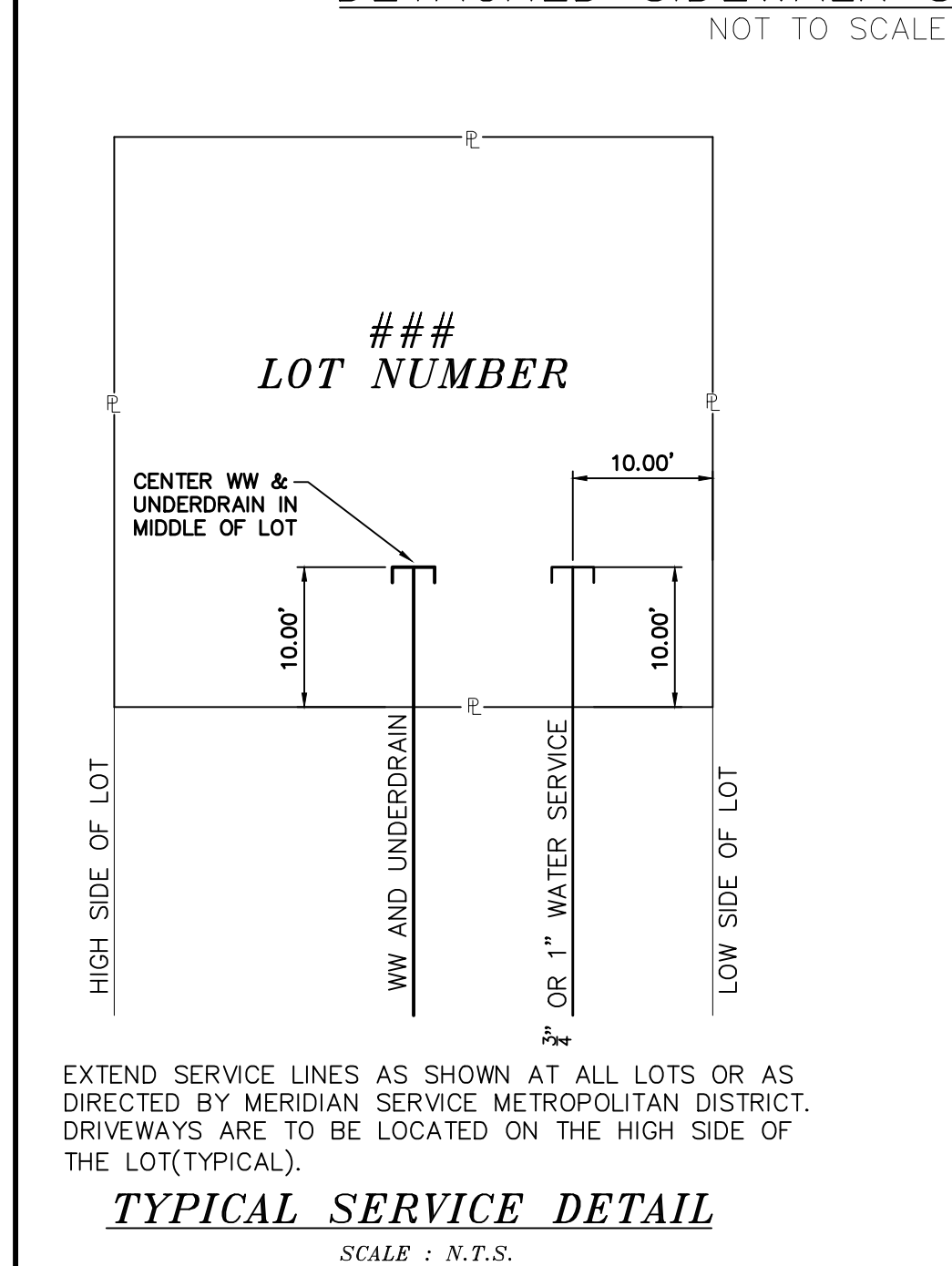
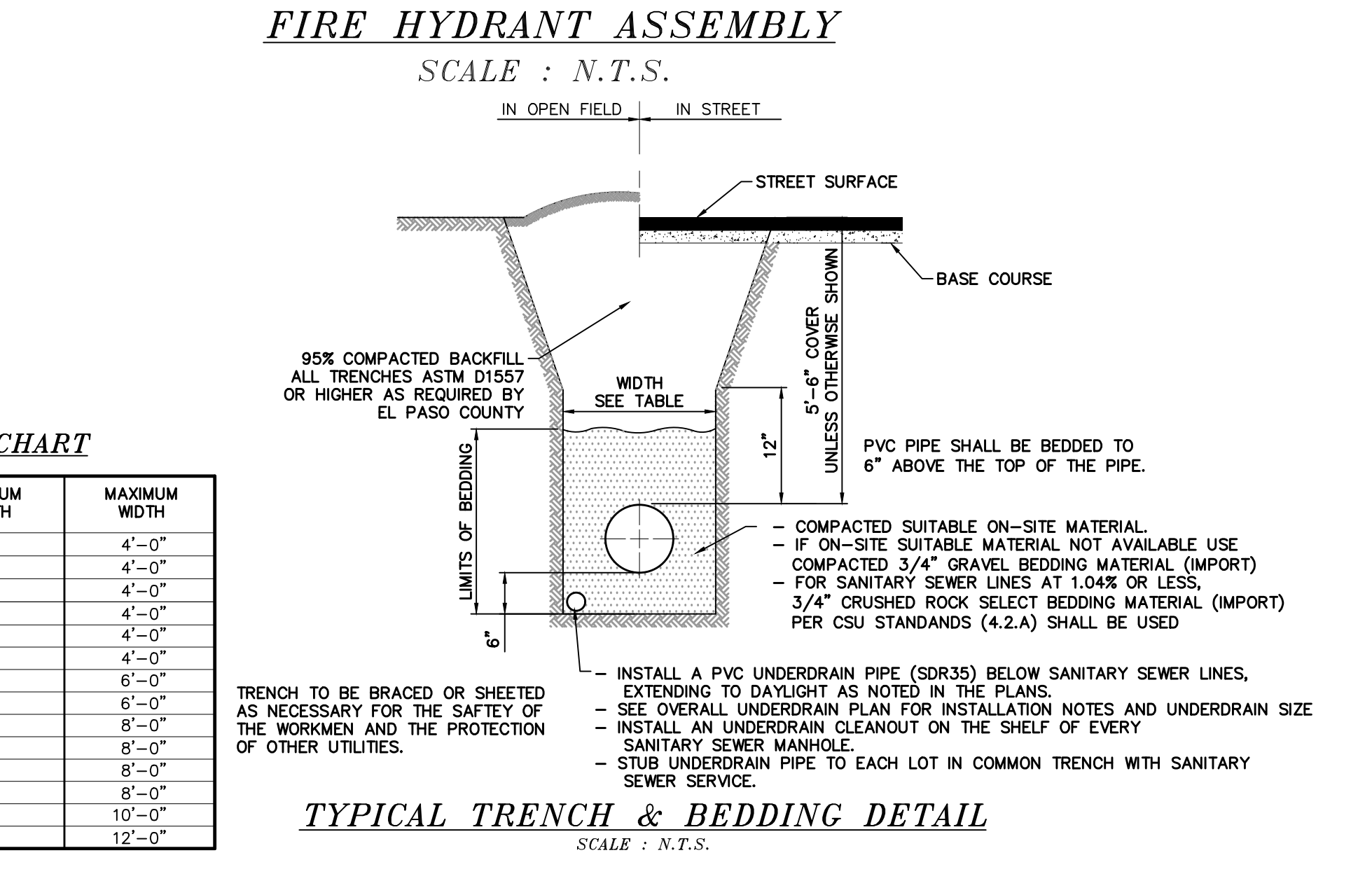
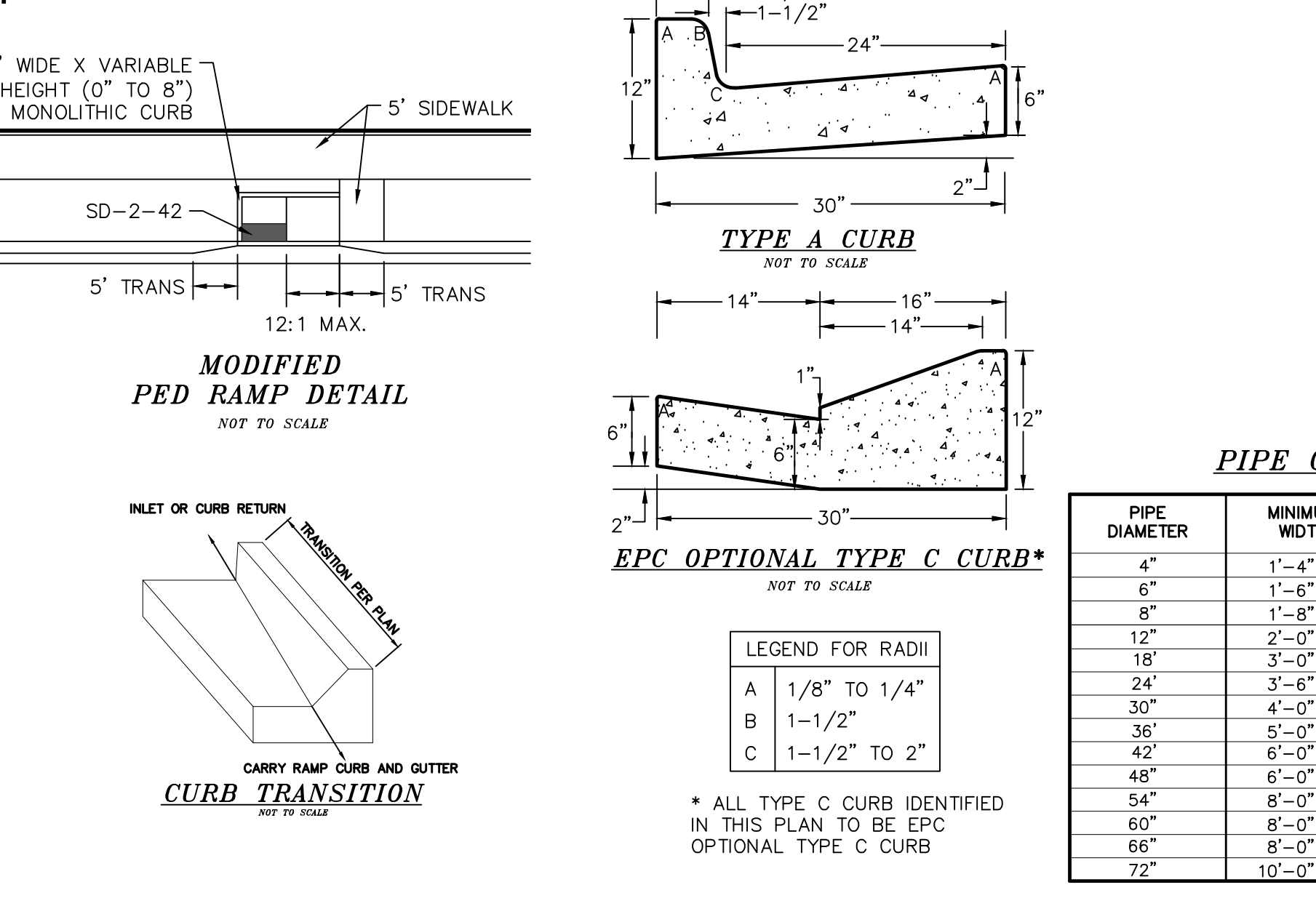
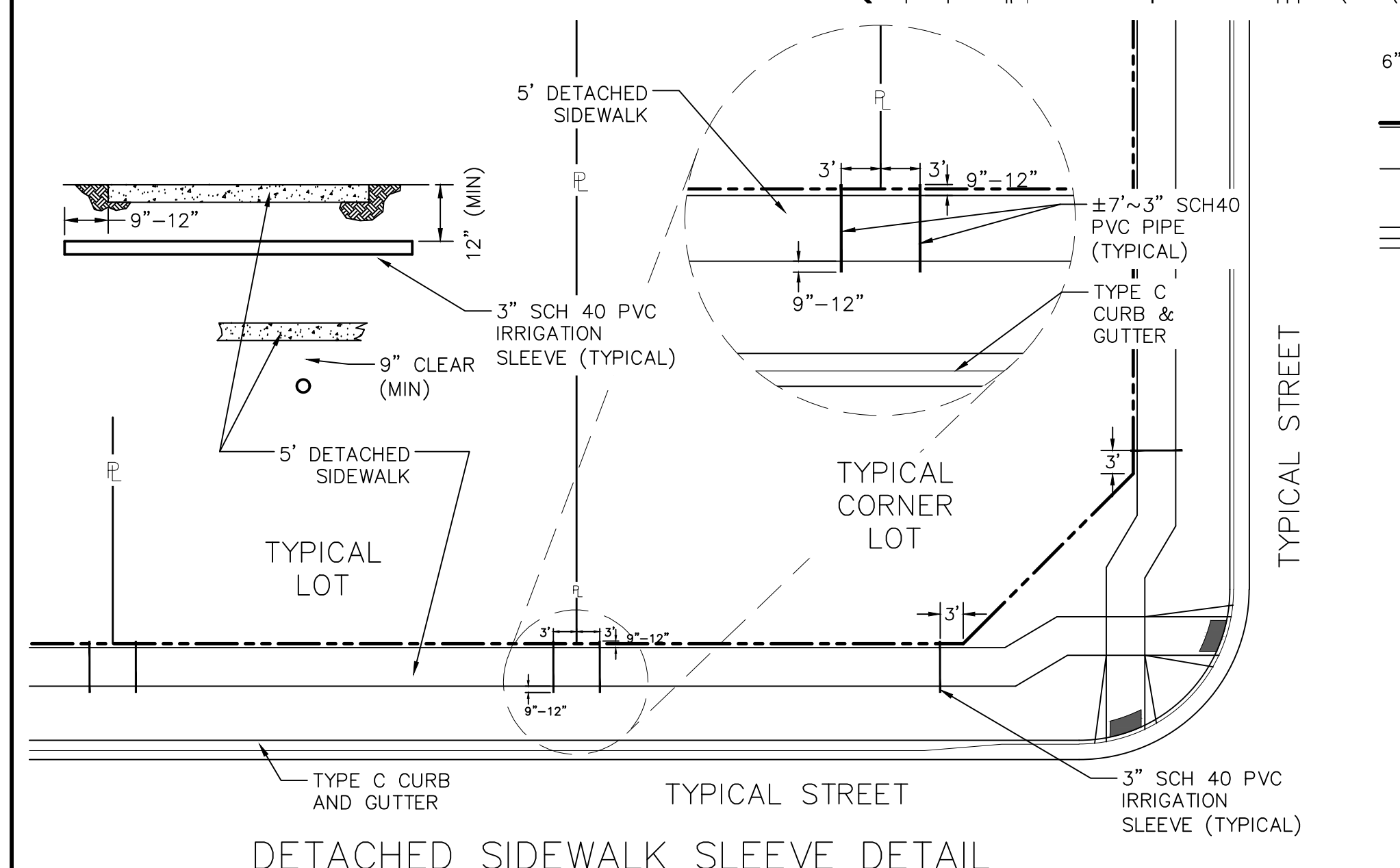
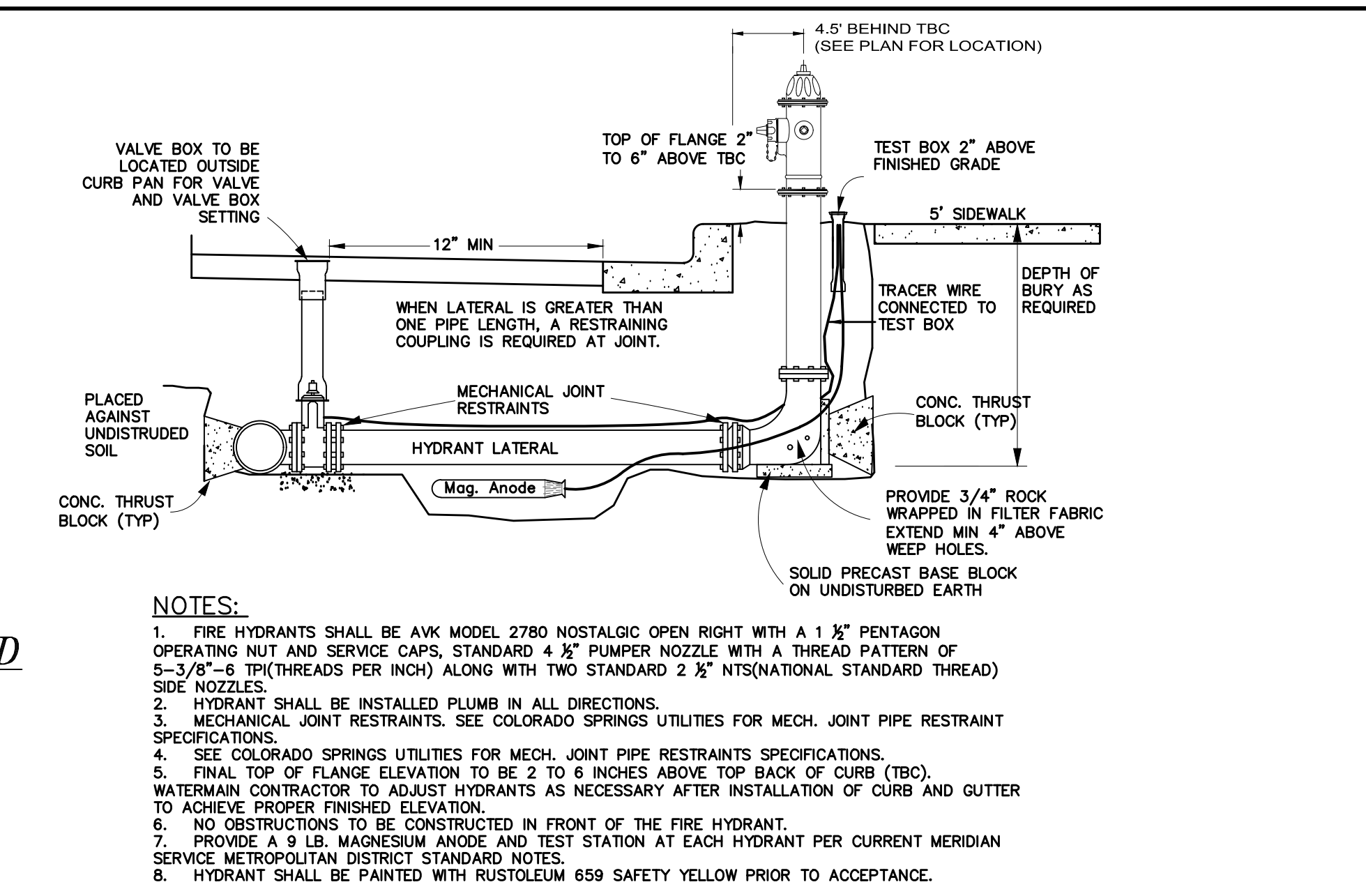
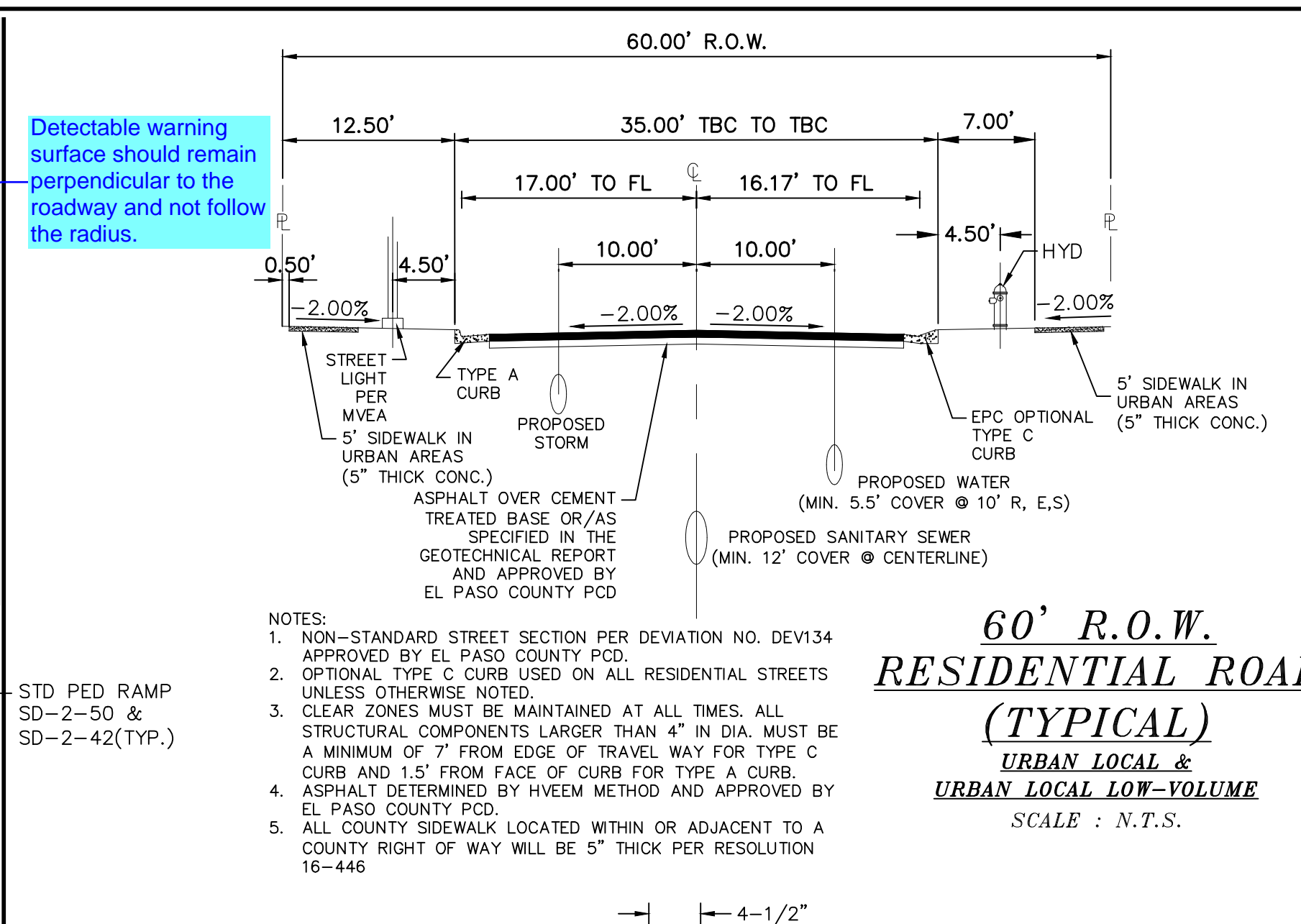
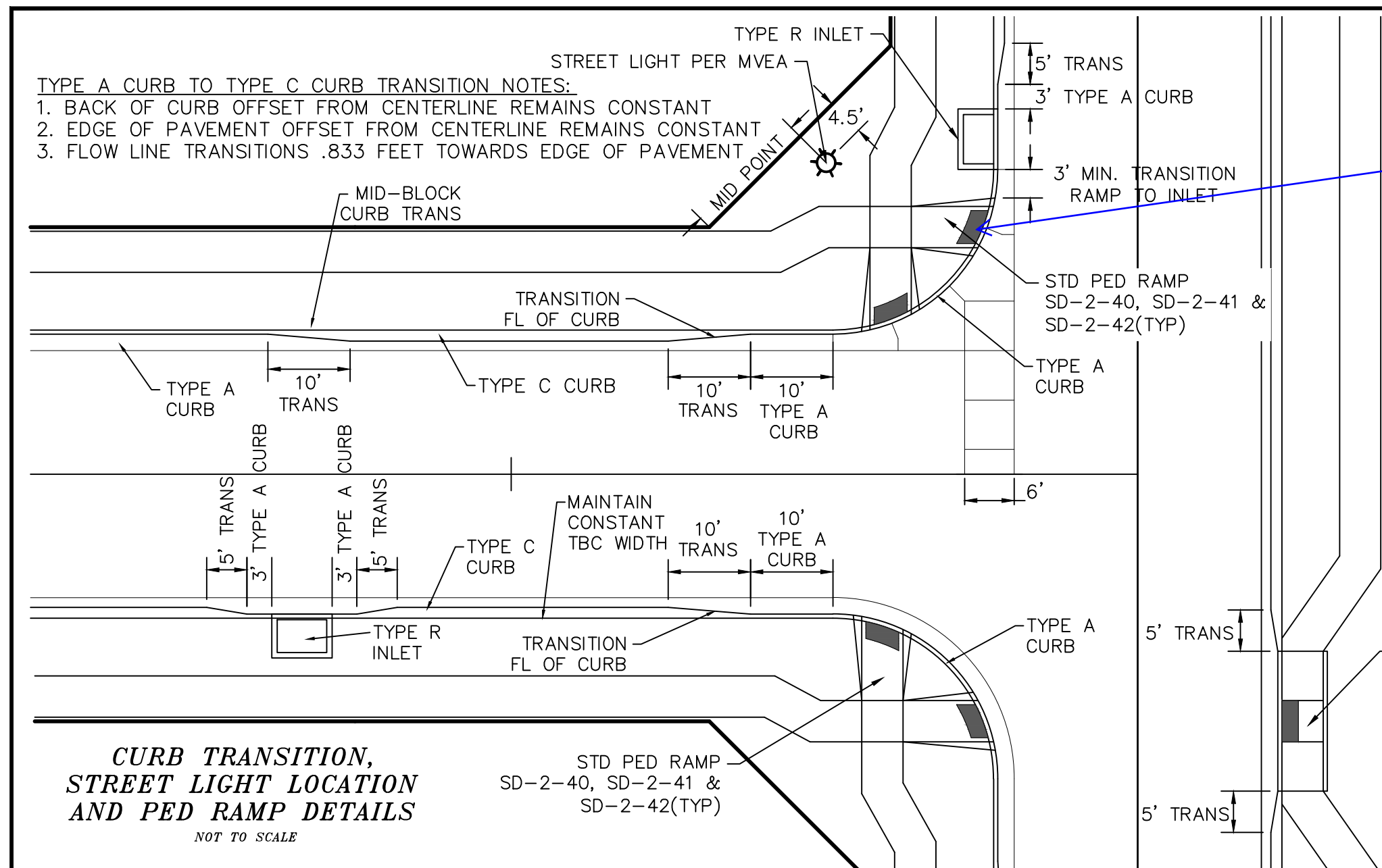


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OR
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1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)



Plans to be stamped prior to approval.

Scale AS SHOWN	Drawn by LOG	Checked by TAK	Date NOVEMBER 2023	ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS INDEX SHEET				TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444				
				2	of	37	No.	1	2	3	4	
				MERIDIAN RANCH				Revisions				
				Date	Invt.	Appr.	Date	Invt.	Appr.	Date	Invt.	Appr.



LEGEND

SYMBOL	ACRONYM	DESCRIPTION
[Symbol]	RCP W/FES	REINFORCED CONCRETE PIPE W/FLARED END SECTIONS
[Symbol]	INLET	STORM SEWER INLET BOX
[Symbol]	SDMH	STORM SEWER MANHOLE
[Symbol]	ST	STORM SEWER LINE (PUBLIC UNLESS OTHERWISE NOTED)
[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	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]	SL	STREET LIGHT PER MOUNTAIN VIEW ELECTRIC ASSOCIATION (MVEA)
[Symbol]	R1-1	STOP SIGN - R1-1, 30x30 UNLESS OTHERWISE NOTED
[Symbol]		EXISTING CONTOUR (10')
[Symbol]		EXISTING CONTOUR (2')

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 FALCON, CO 80831
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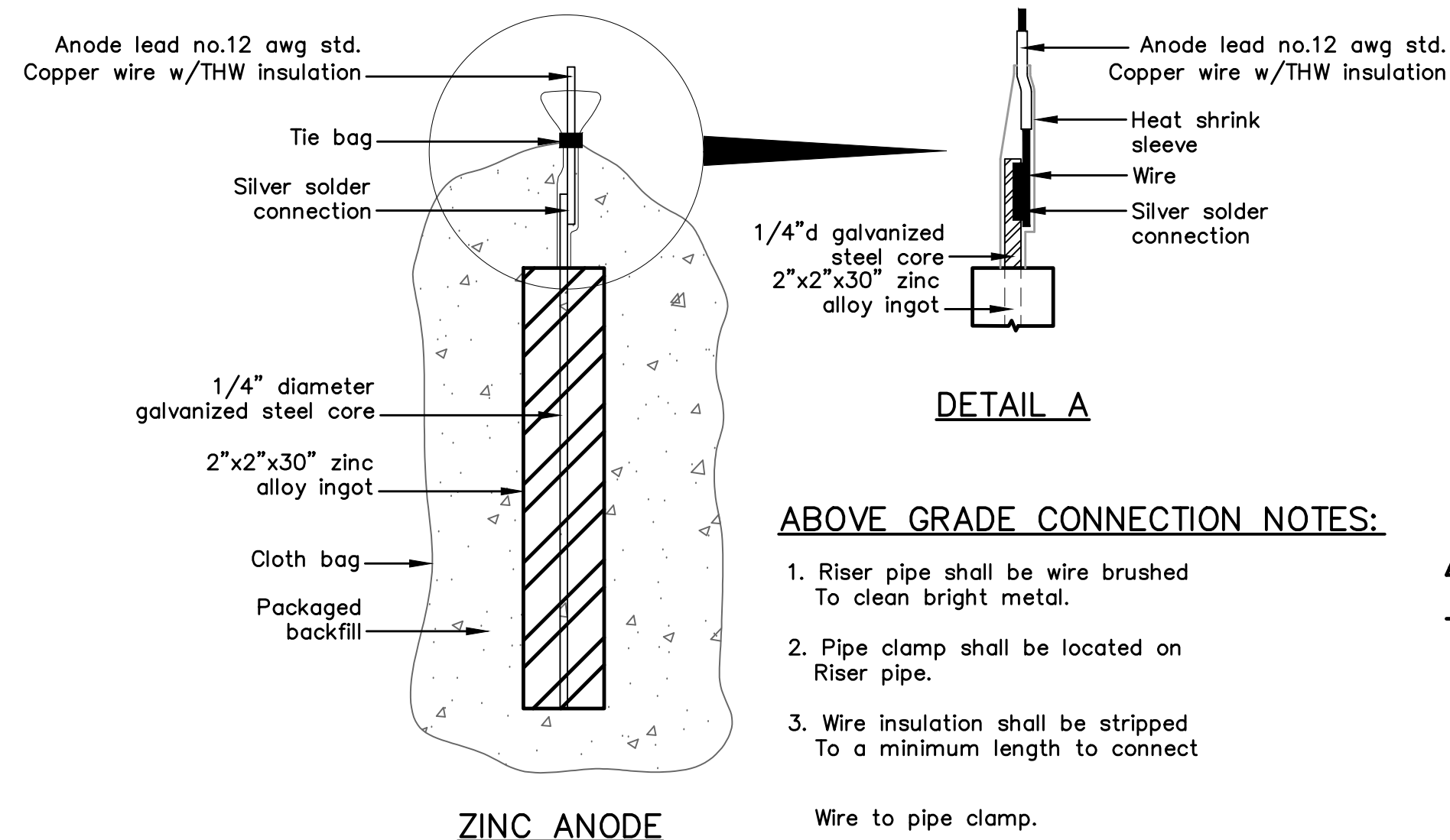
MERIDIAN RANCH

ROLLING HILLS RANCH NORTH FILING 1
 AT MERIDIAN RANCH
 STREET AND UTILITY PLANS
 DETAIL SHEET

Scale AS SHOWN
 Drawn by LOG
 Checked by TJK
 Date NOVEMBER 2023
 4 of 37

Revisions
 No. 1 2 3 4
 Date
 Appr.

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ABOVE GRADE CONNECTION NOTES:

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

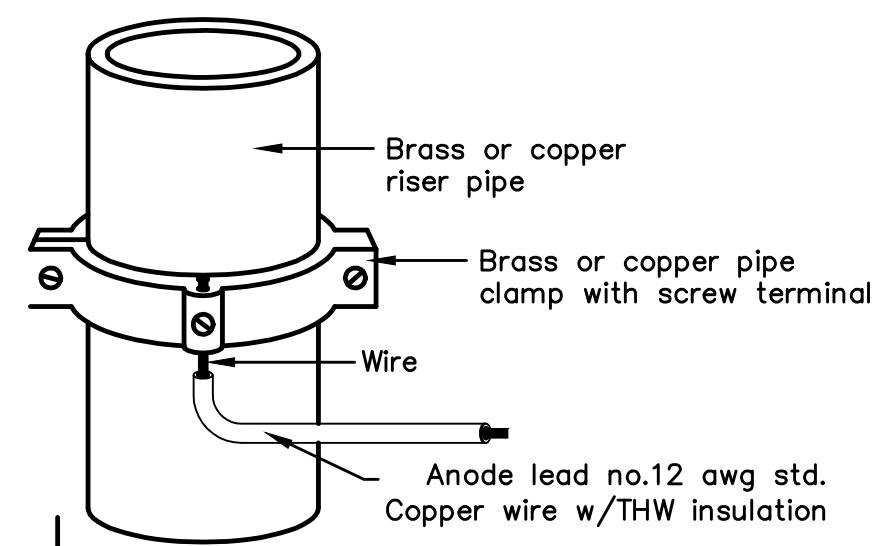
ZINC ANODE

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

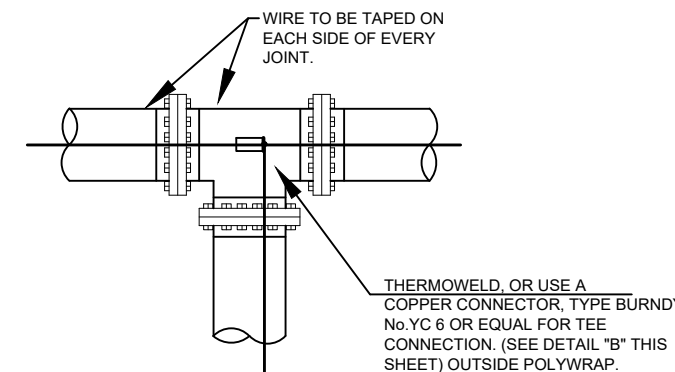
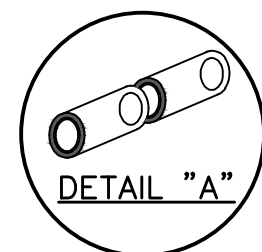
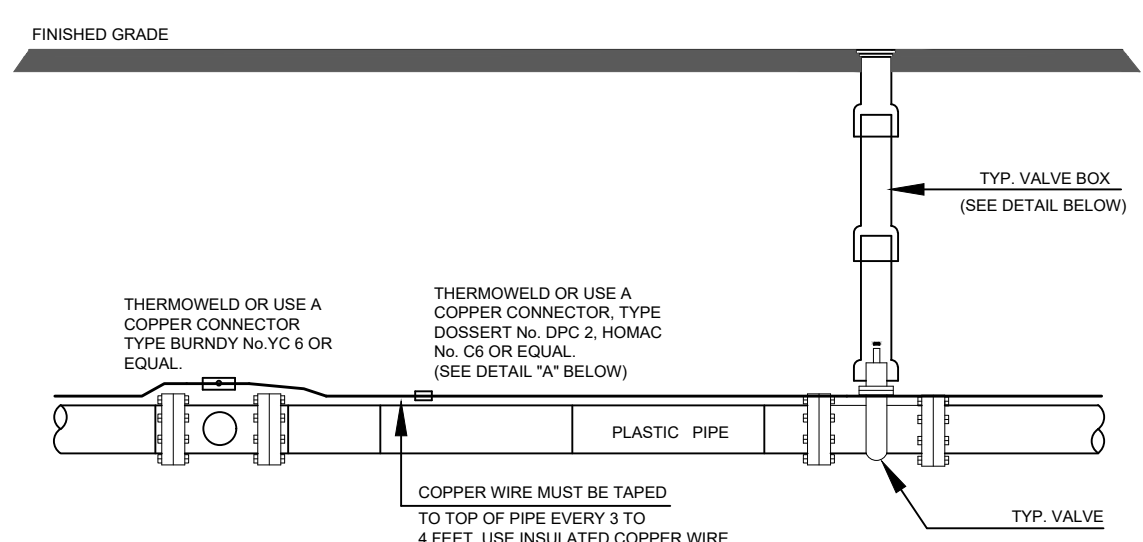
PACKAGED BACKFILL COMPOSITION:

75% gypsum
20% bentonite
5% sodium sulfate

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



ANODE LEAD ABOVE GRADE CONNECTION



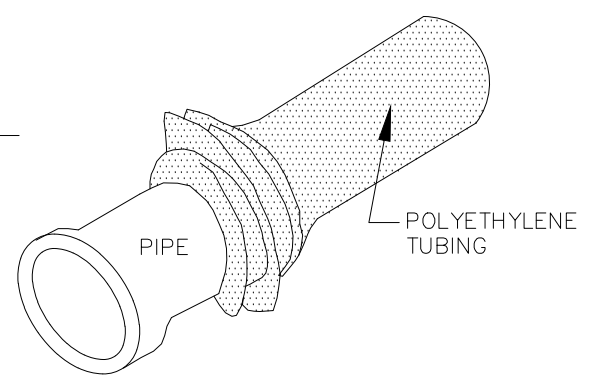
NOTE

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

FIELD INSTALLATION OF POLYETHYLENE WRAP FOR DIP PIPE AND FITTINGS.

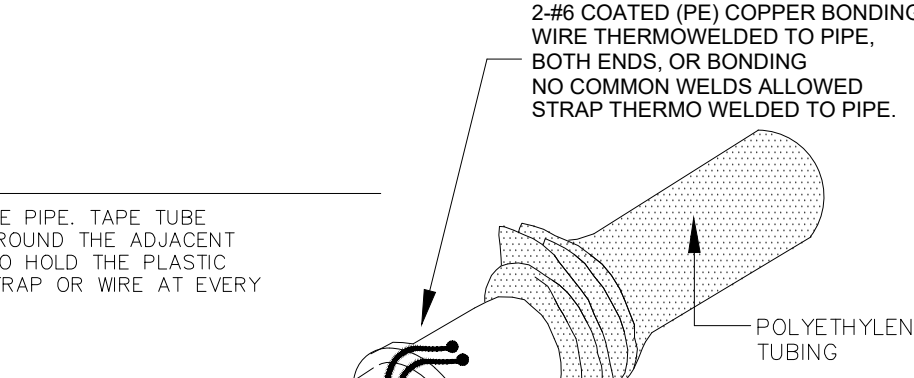
STEP 1:

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



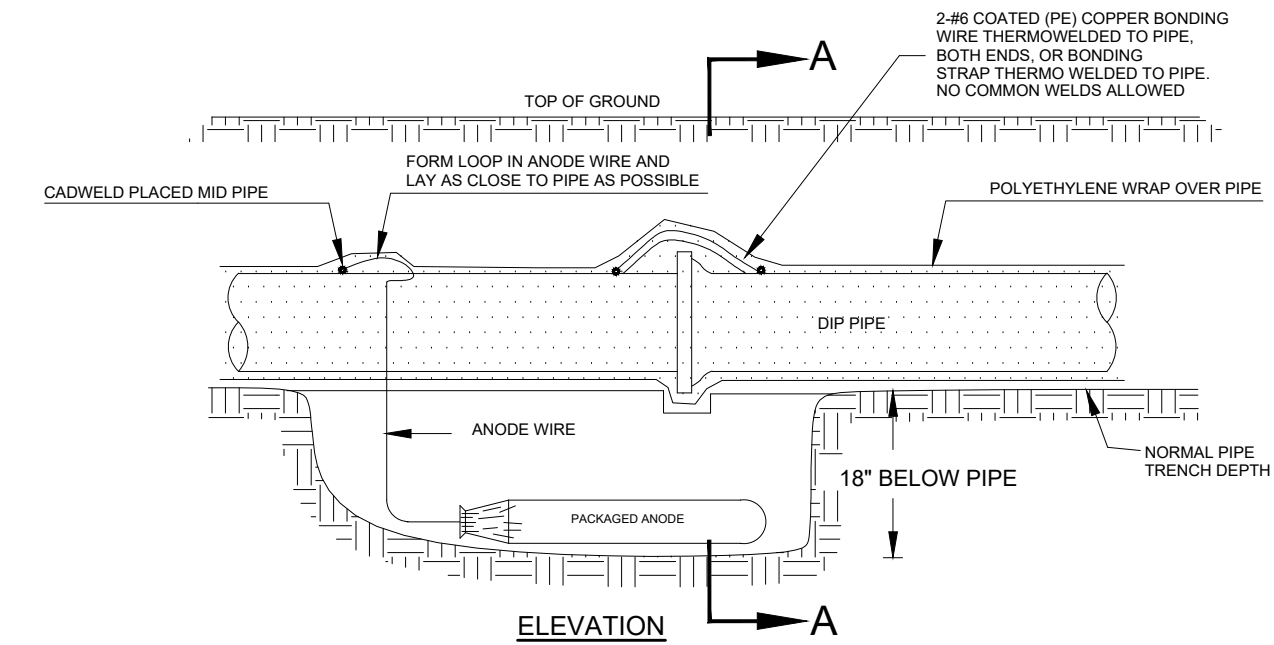
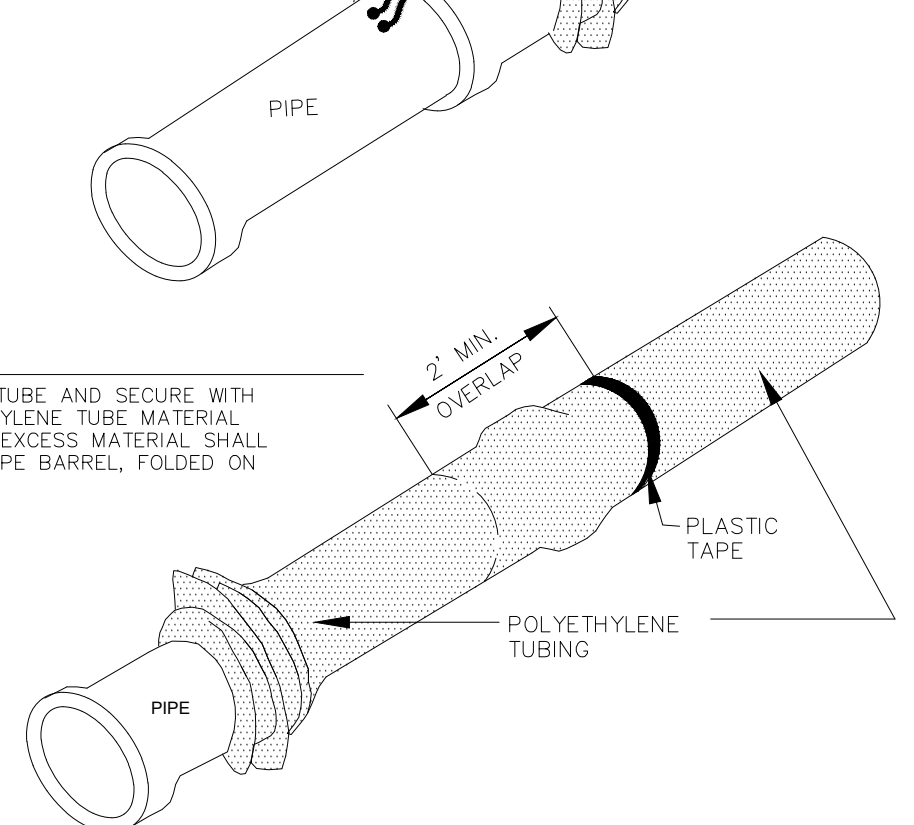
STEP 2:

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



STEP 3:

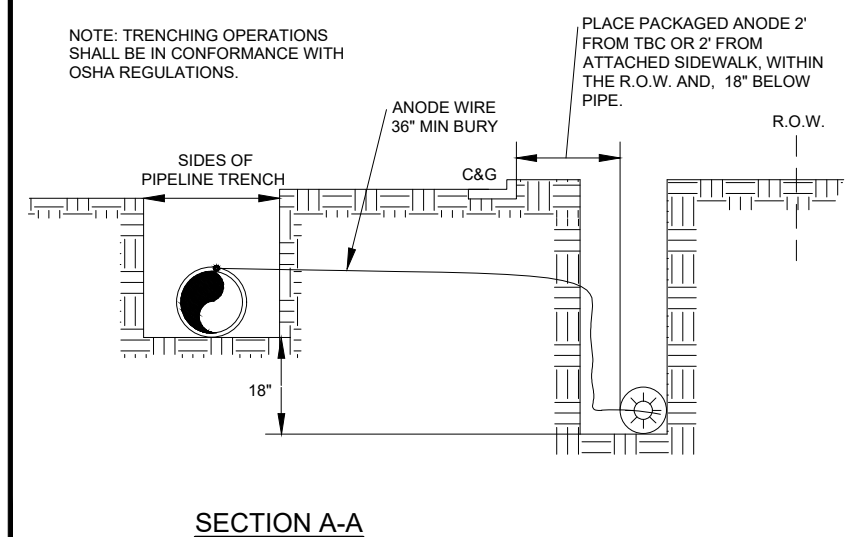
OVERLAP FIRST TUBE WITH ADJACENT TUBE AND SECURE WITH PLASTIC ADHESIVE TAPE. THE POLYETHYLENE TUBE MATERIAL COVERING THE PIPE SHALL BE LOOSE. EXCESS MATERIAL SHALL BE NEATLY DRAWN UP AROUND THE PIPE BARREL, FOLDED ON TOP OF PIPE AND TAPED IN PLACE.



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

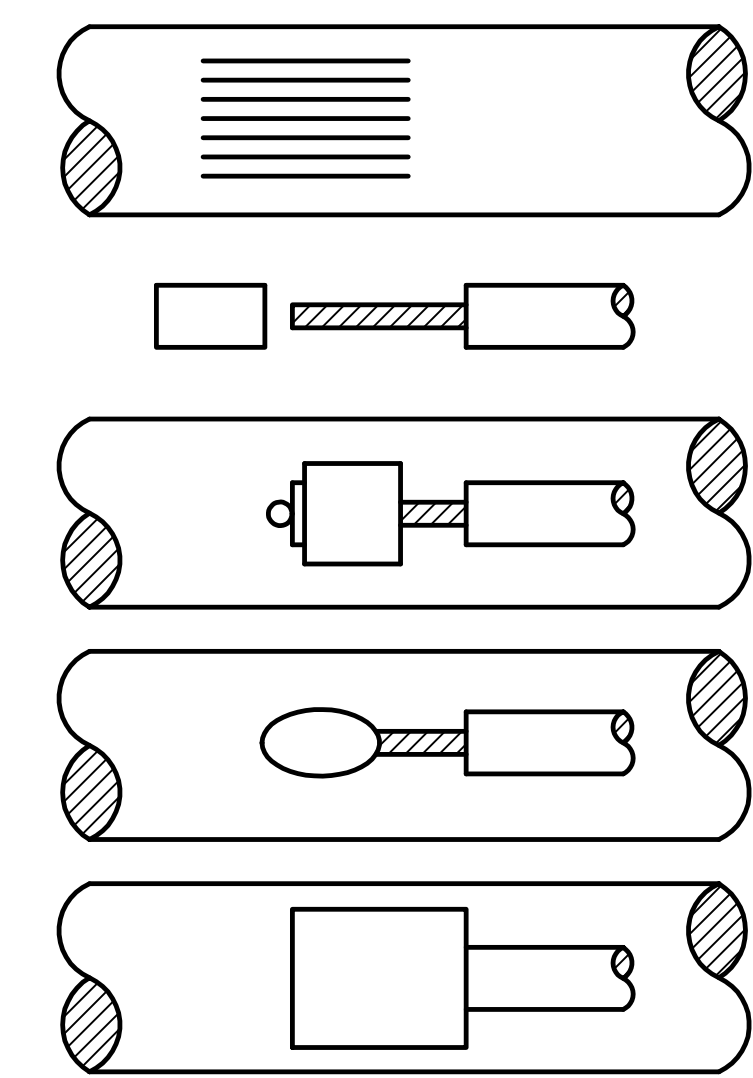
Pipe Size Inches	Actual OD Inches	Anode Spacing Feet (see note 2)	Anode Weight (lb)
4	4.8	763	17 lb
6	6.9	531	17 lb
8	9.05	405	17 lb
12	13.20	277	17 lb
16	16	210	32 lb
20	20	169	32 lb
24	24	142	48 lb
30	30	114	48 lb
36	36	95.7	48 lb
42	42	82.4	48 lb
48	48	72.1	48 lb
54	54	64.2	48 lb

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



NOTES

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

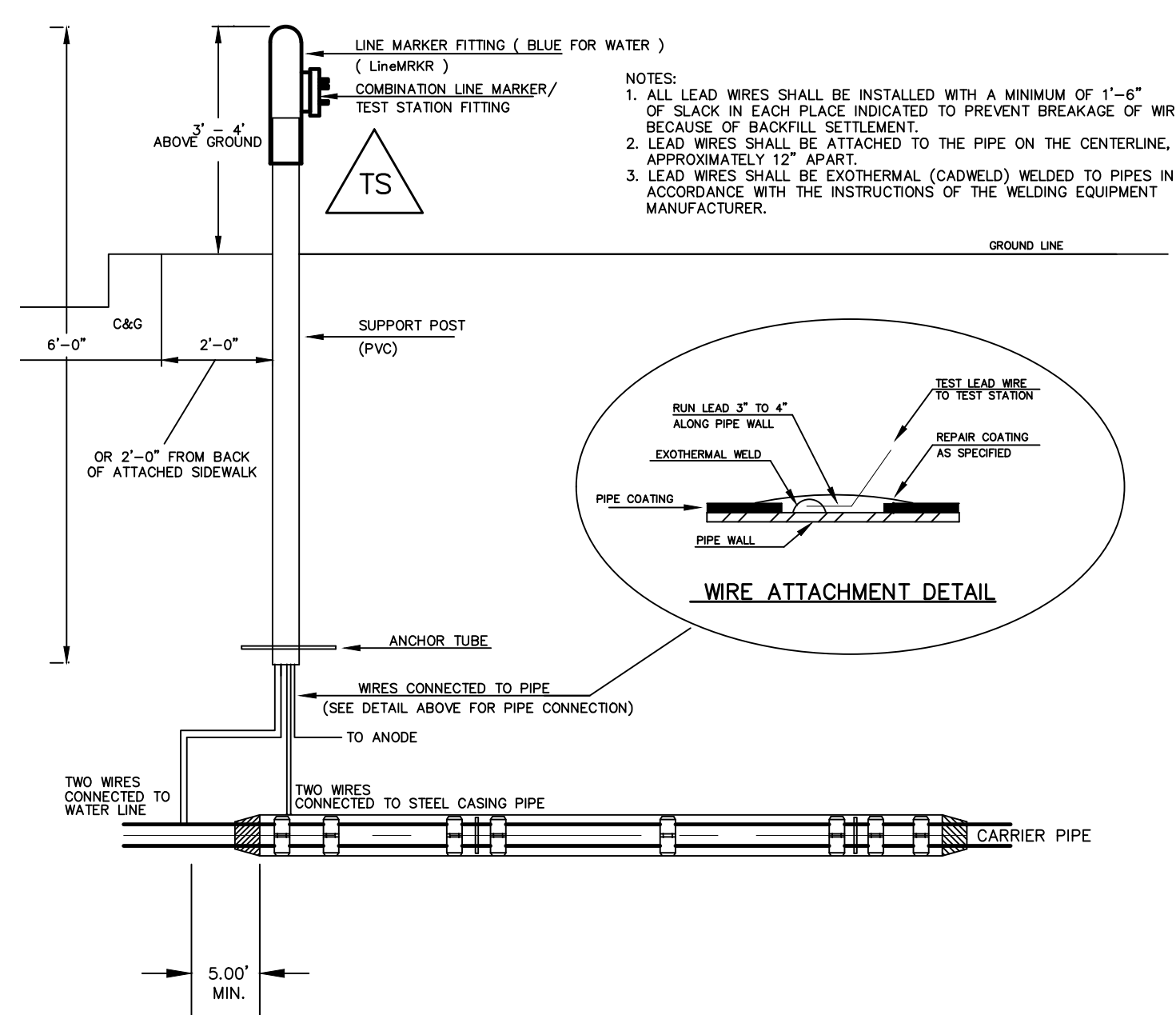


- STEP 1.** File structure connection area (3 in x 3 in) to bare shiny metal and clean.
- STEP 2.** Strip insulation from wire. Attach sleeve where required by manufacturer.
- STEP 3.** Hold mold firmly with opening away from operator and ignite with flint gun.
- STEP 4.** Remove slag from connection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

NOTES:

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

EXOTHERMIC WELD PROCESS

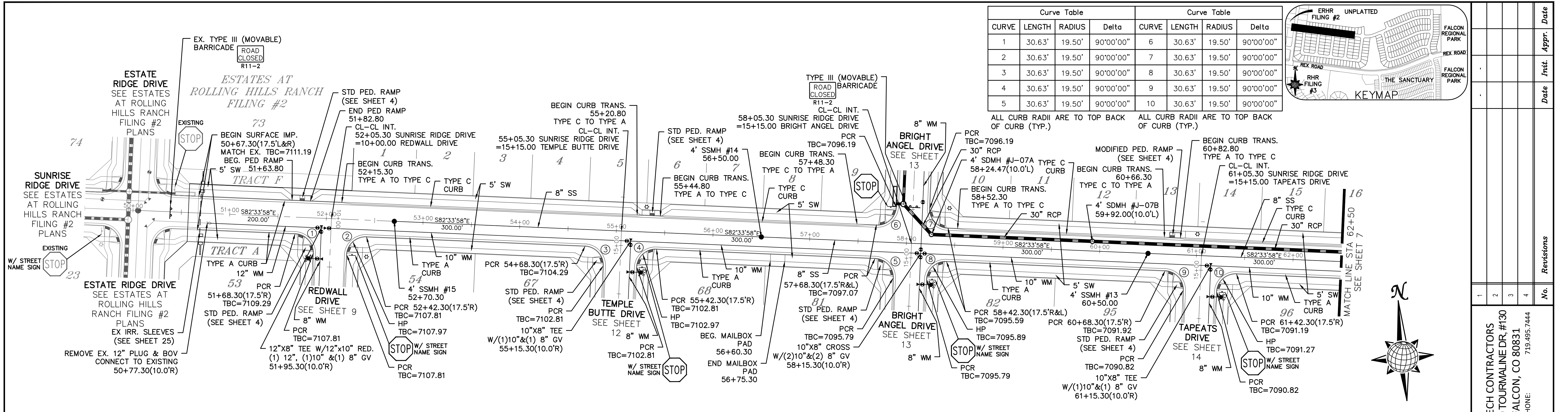


TYPICAL DETAIL FOR TEST STATION WITH STEEL SLEEVE INSTALLATION

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.

1	2	3	4	No.	Revisions	Date	Appr.
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444					MERIDIAN RANCH		
ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS					DETAIL SHEET		
Scale	AS SHOWN	Drawn by	LOG	Checked by	TAK	Date	NOVEMBER 2023
	5 of 37						

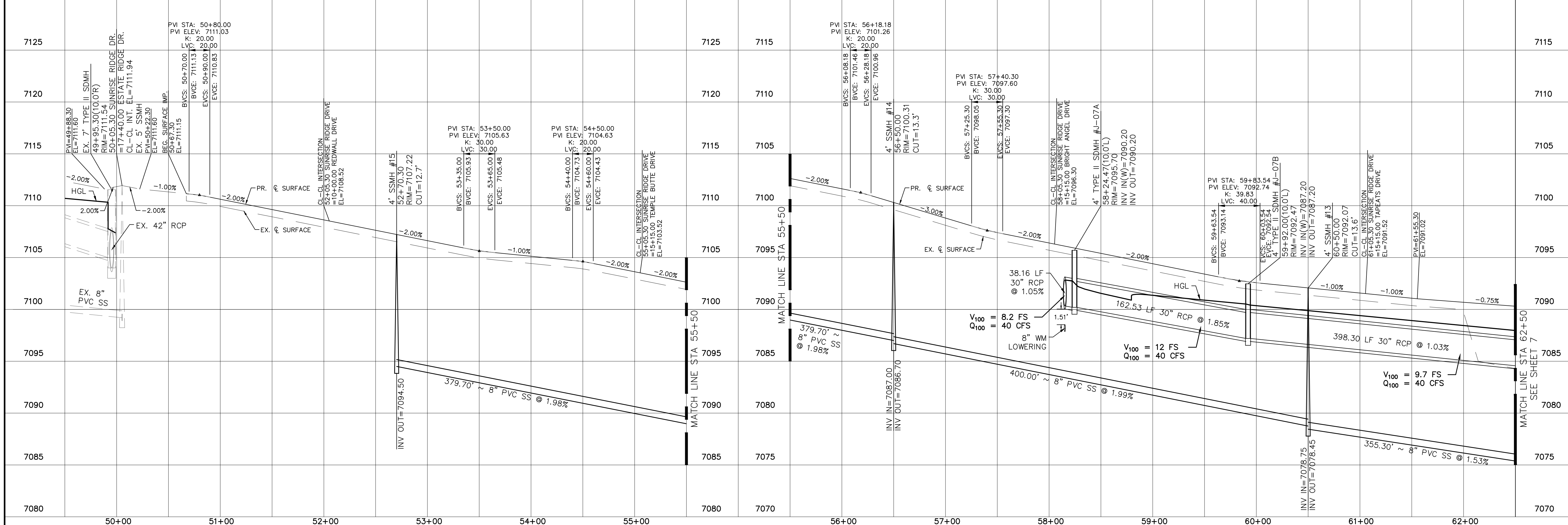
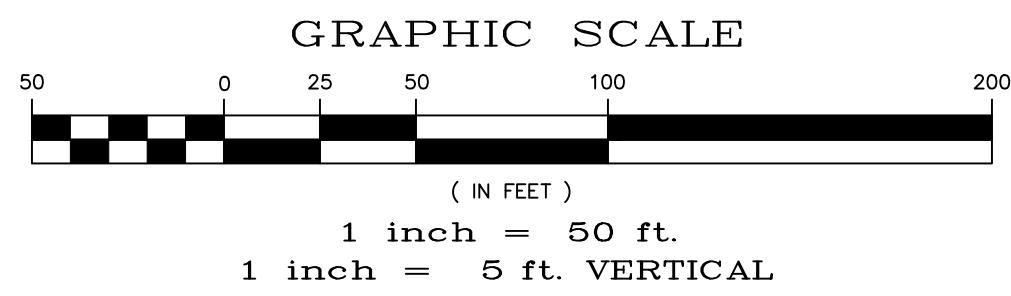


TWO WORKING DAYS BEFORE YOU DIG CALL 811

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

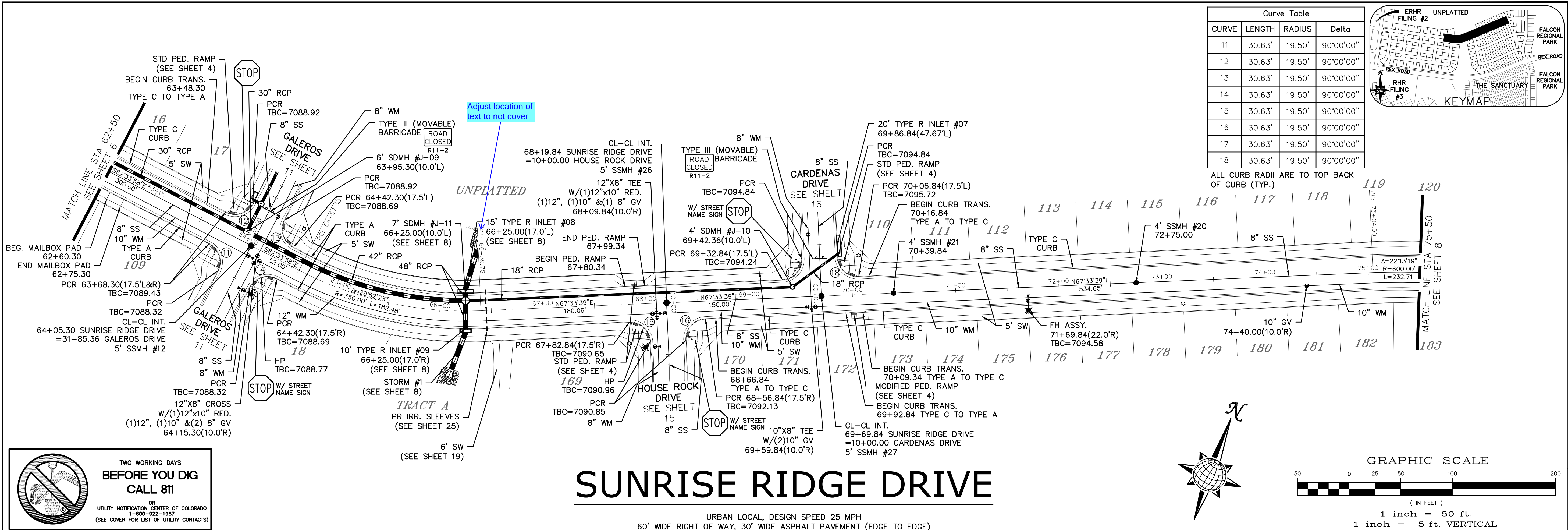
SUNRISE RIDGE DRIVE

URBAN LOCAL, DESIGN SPEED 25 MPH
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)

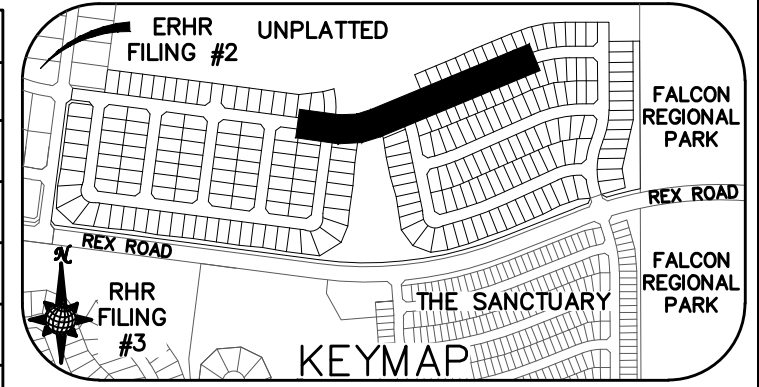


1	2	3	4	No.
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444				
MERIDIAN RANCH				
ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS SUNRISE RIDGE DRIVE				
Scale	AS SHOWN	Drawn by	LOG	Checked by
				TAK
	6 of 37	Date	NOVEMBER 2023	

S:\OneDrive\Civil\Proj\Rolling Hills Ranch North Filing 1\DWG\PLAN SHEETS\Improvement Plans\02-RHRN1.dwg, 11/7/2023 9:50:00 AM



Curve Table			
CURVE	LENGTH	RADIUS	Delta
11	30.63'	19.50'	90°00'00"
12	30.63'	19.50'	90°00'00"
13	30.63'	19.50'	90°00'00"
14	30.63'	19.50'	90°00'00"
15	30.63'	19.50'	90°00'00"
16	30.63'	19.50'	90°00'00"
17	30.63'	19.50'	90°00'00"
18	30.63'	19.50'	90°00'00"

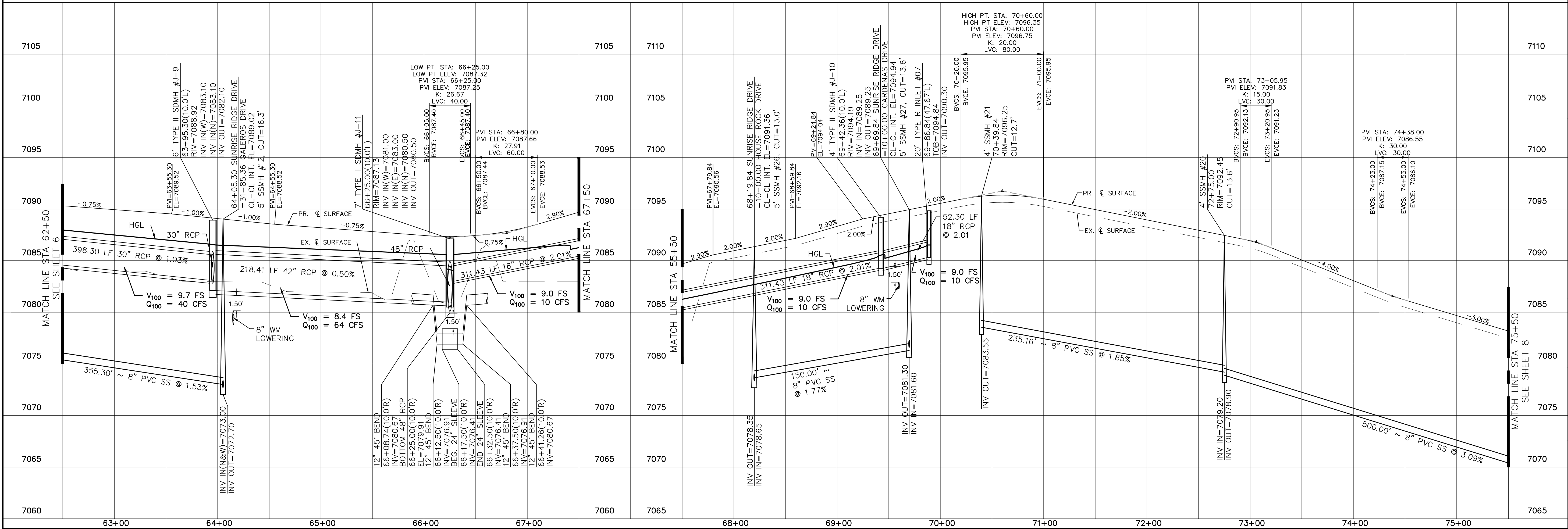
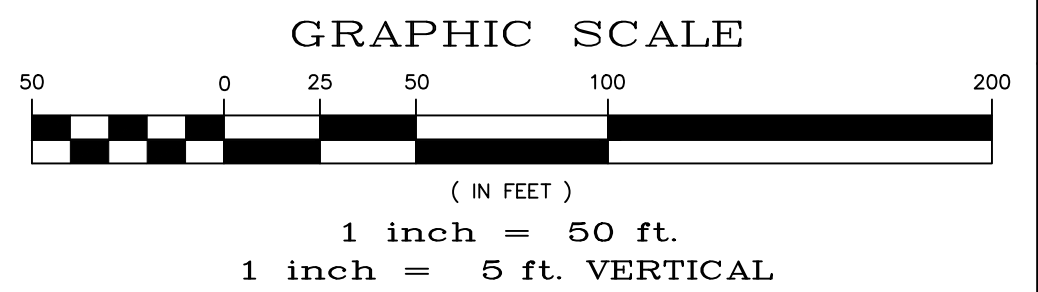


TWO WORKING DAYS BEFORE YOU DIG CALL 811

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

SUNRISE RIDGE DRIVE

URBAN LOCAL, DESIGN SPEED 25 MPH
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



Revisions		No.		Date		Appr.	
1							
2							
3							
4							

TECH CONTRACTORS		11910 TOURMALINE DR. #130		FALCON, CO 80831		TELEPHONE: 719.495.7444	
------------------	--	---------------------------	--	------------------	--	-------------------------	--

MERIDIAN RANCH		ROLLING HILLS RANCH NORTH FILING 1		AT MERIDIAN RANCH		STREET AND UTILITY PLANS	
----------------	--	------------------------------------	--	-------------------	--	--------------------------	--

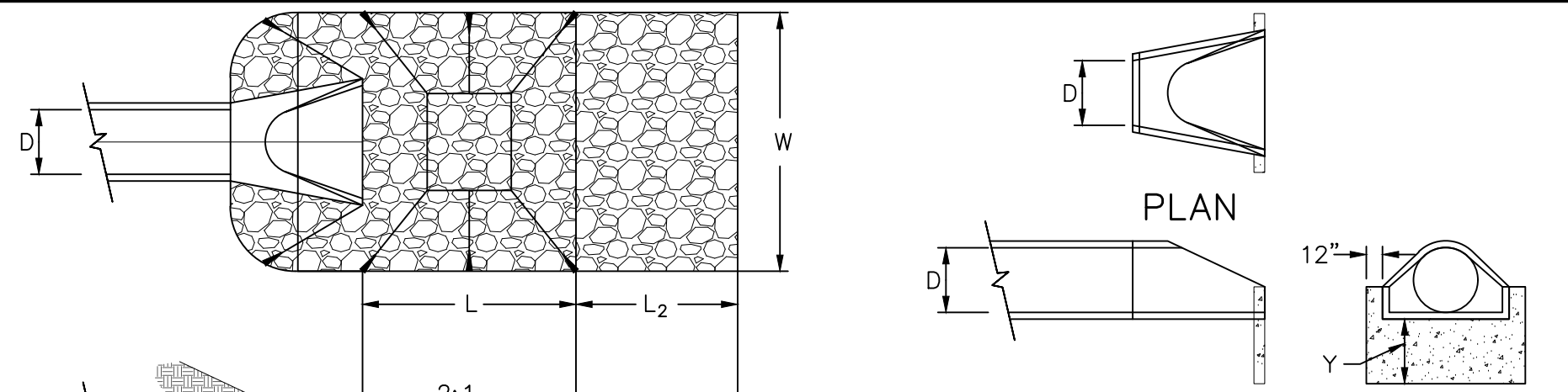
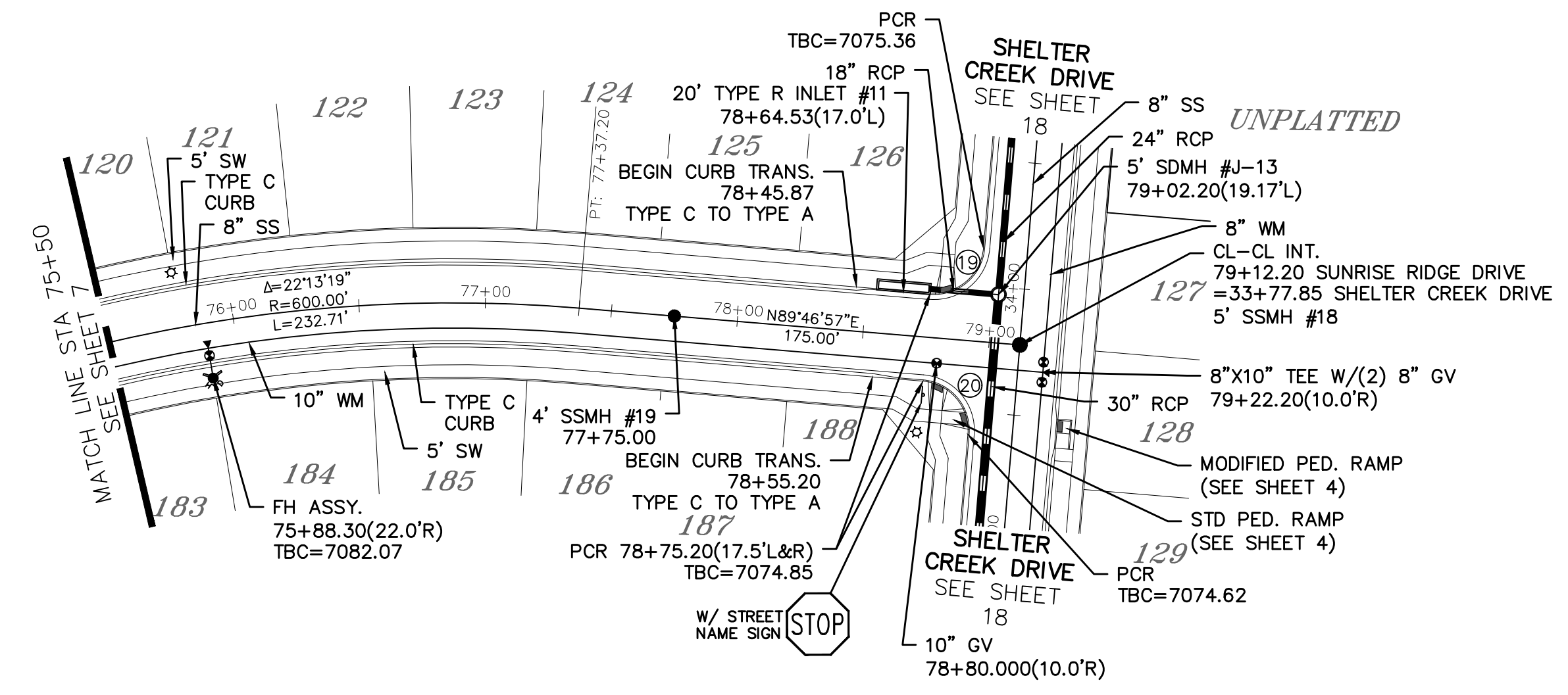
Scale	AS SHOWN	Drawn by	LOG	Checked by	TAK	Date	NOVEMBER 2023
	7 of 37						

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

OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-482-1887
(SEE COVER FOR LIST OF UTILITY CONTACTS)

Curve Table			
CURVE	LENGTH	RADIUS	Delta
19	30.63'	19.50'	90°00'00"
20	30.63'	19.50'	90°00'00"

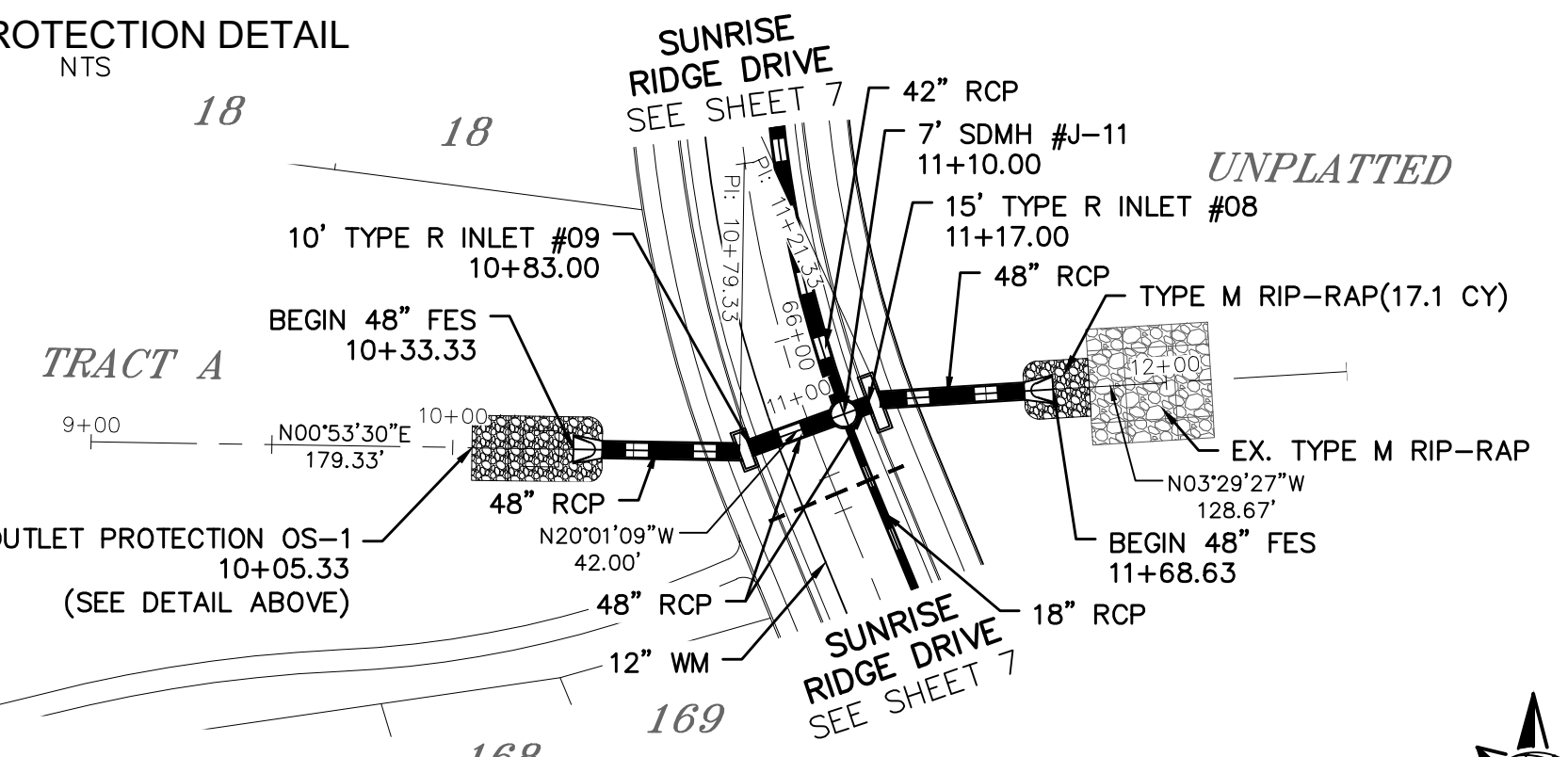
ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)



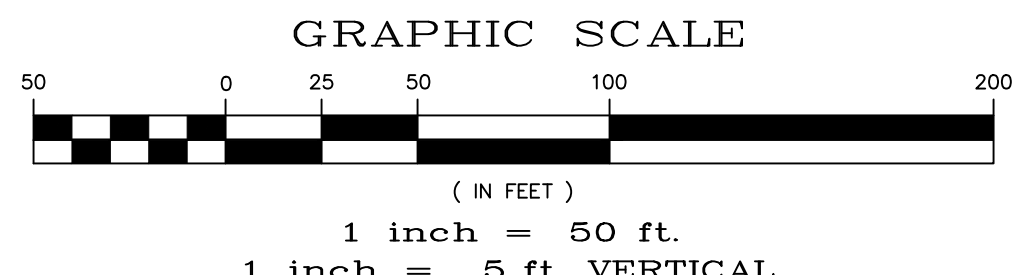
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
Figure HS-19a. Culvert Cutoff Wall

PIPE OUTLET	L	W	L ₂	d	Y	TYPE	D ₉₀	CY	NOTES
OS-1 48"	18	18	10	2.0	4.0	M	1.00'	43.7	SEE LEFT
OS-2 30"	11	10	20	1.25	3.0	M	1.00'	25.9	SEE LEFT

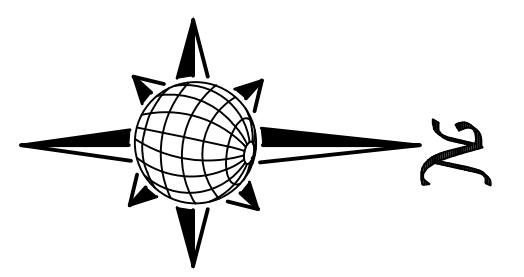
- NOTES:
 1. Flared end section required at RCP outlets.
 2. Provide joint fasteners for flared end sections.



SUNRISE RIDGE DRIVE

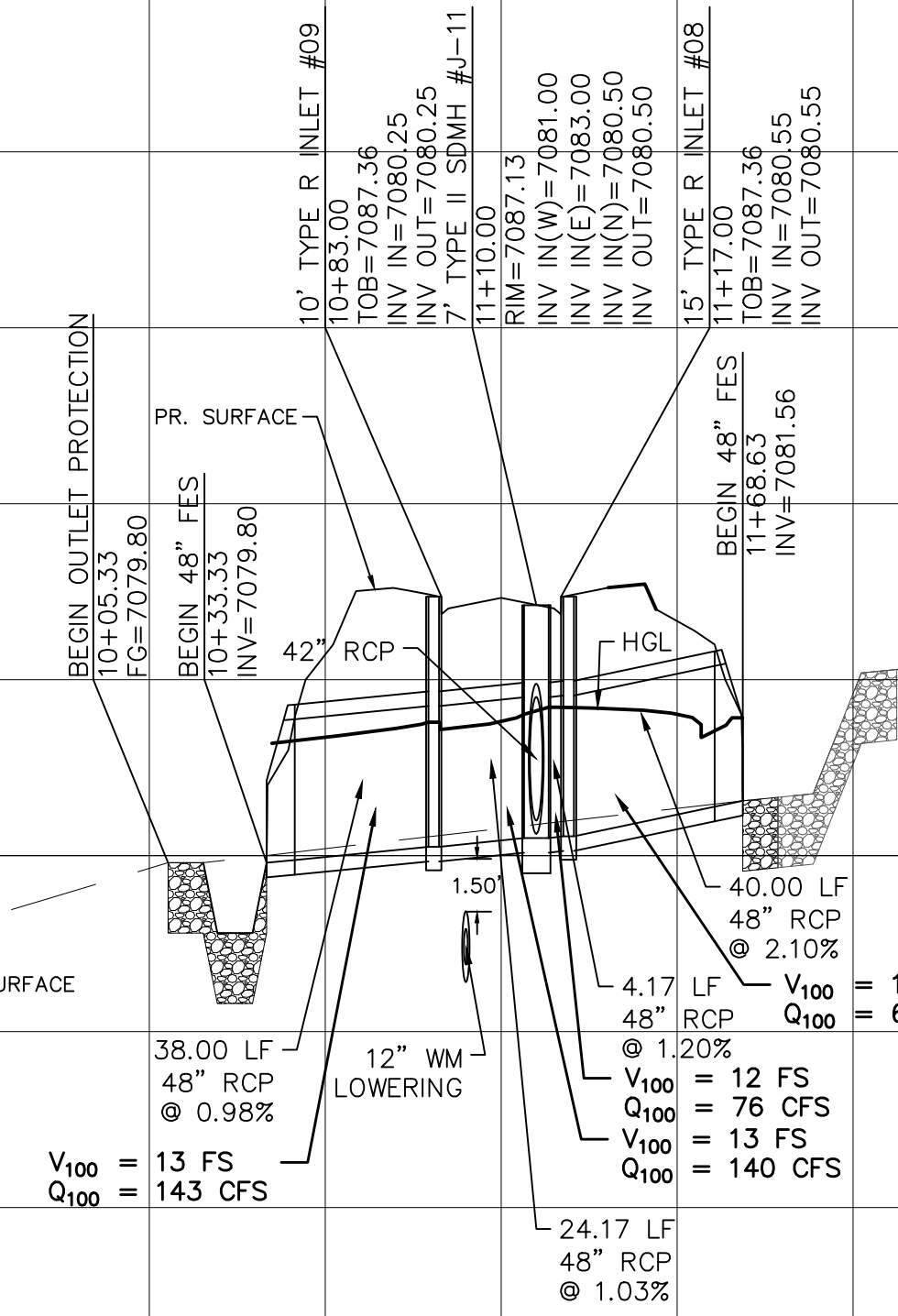


URBAN LOCAL, DESIGN SPEED 25 MPH
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



STORM #1

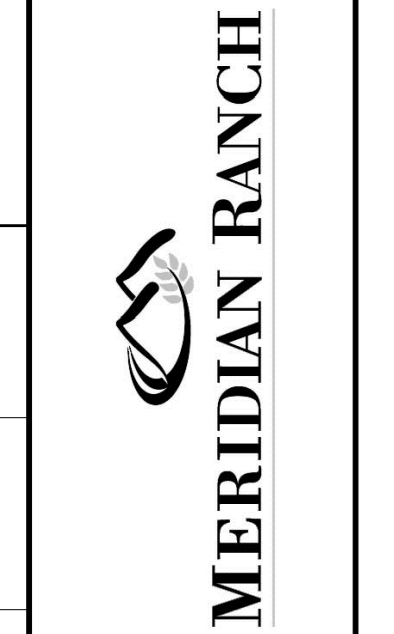
Station	Station	Station	Station	Station	Station	Station	Station	Station	Station	Station	Station	Station	Station	Station	Station
7090															
7085															
7080															
7075															
7070															
7065															
7060															
7055															
7050															
7045															



Date	Appr.
Date	Revis.

No.	Revisions

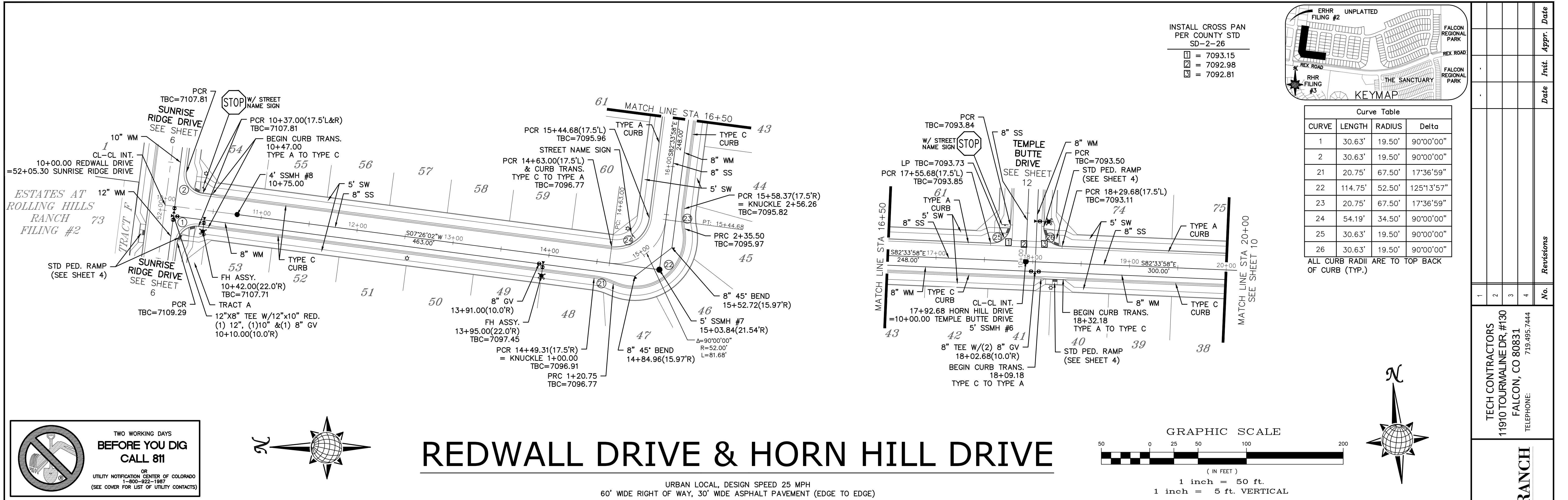
TECH CONTRACTORS
11910 TOURMALINE DR. #130
FALCON, CO 80831
TELEPHONE: 719.495.7444



ROLLING HILLS RANCH NORTH FILING #1
AT MERIDIAN RANCH
STREET AND UTILITY PLANS
SUNRISE RIDGE DRIVE
AND STORM #1

Drawn by	LOG
Checked by	TAK
Date	NOVEMBER 2023

Scale AS SHOWN
8 of 37

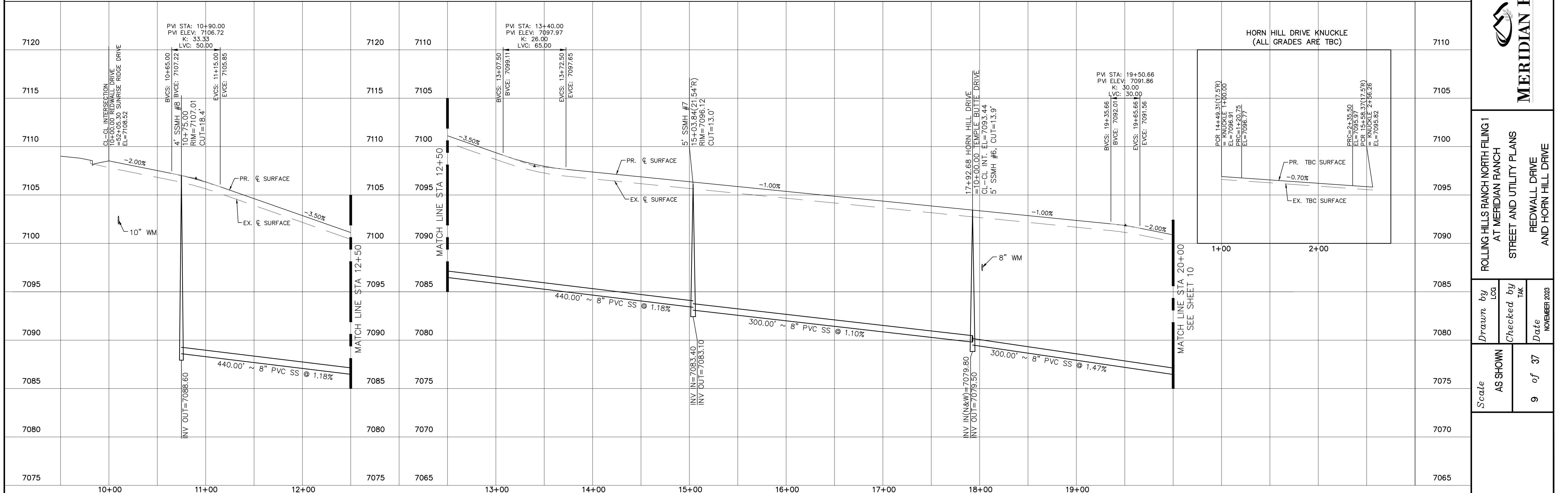


TWO WORKING DAYS BEFORE YOU DIG CALL 811

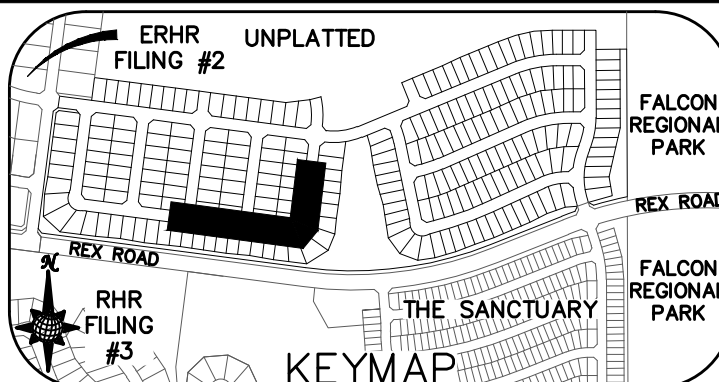
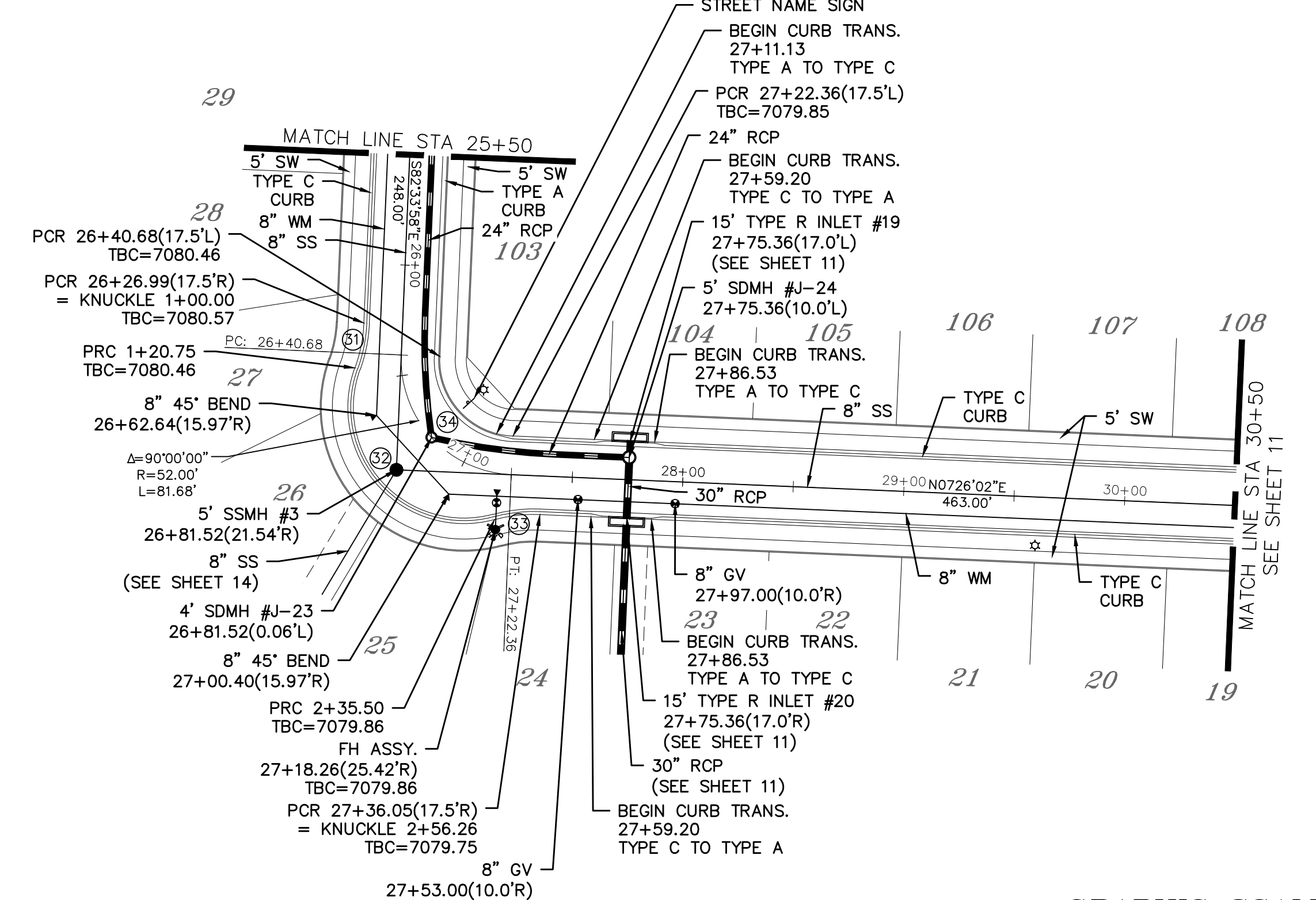
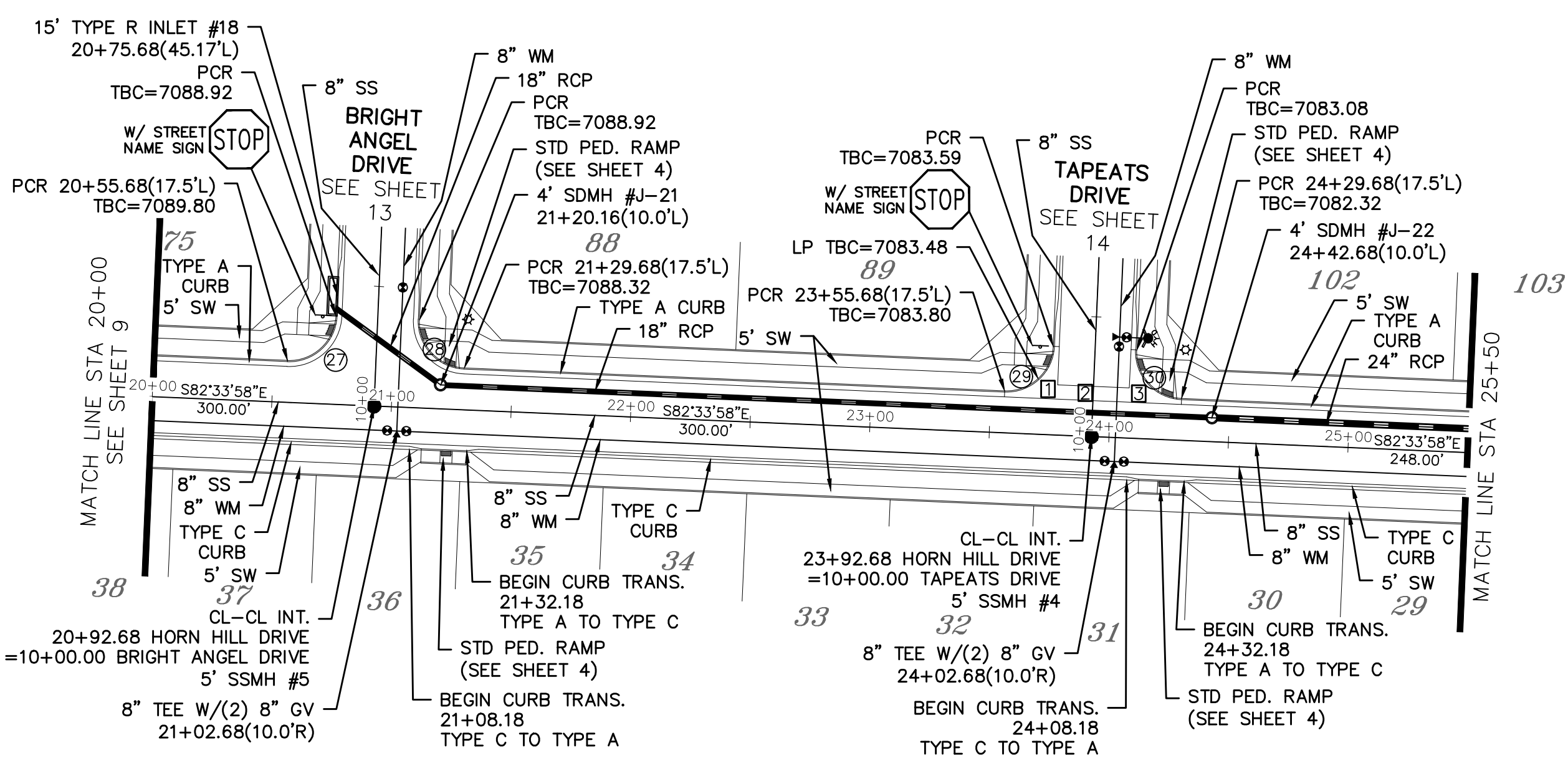
OR
 UTILITY NOTIFICATION CENTER OF COLORADO
 1-800-922-1987
 (SEE COVER FOR LIST OF UTILITY CONTACTS)

REDWALL DRIVE & HORN HILL DRIVE

URBAN LOCAL, DESIGN SPEED 25 MPH
 60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



1	2	3	4	No.	Date	Appr.
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444					Revisions	
MERIDIAN RANCH					ROLLING HILLS RANCH NORTH FILING #1 AT MERIDIAN RANCH STREET AND UTILITY PLANS REDWALL DRIVE AND HORN HILL DRIVE	
					Drawn by AS SHOWN	Checked by TAK
Scale					9	of 37



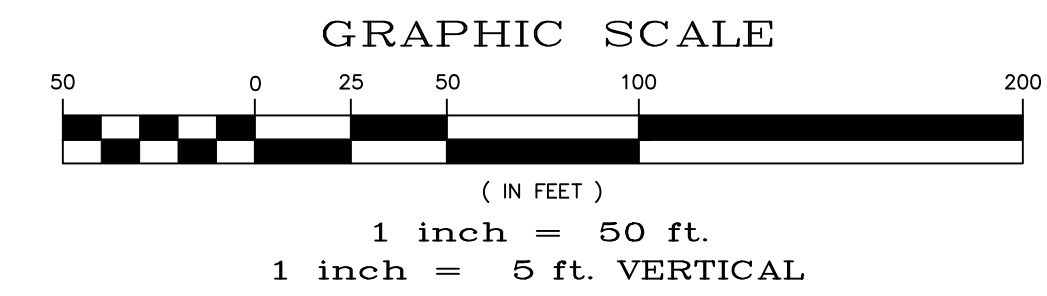
CURVE	LENGTH	RADIUS	Delta
27	30.63'	19.50'	90°00'00"
28	30.63'	19.50'	90°00'00"
29	30.63'	19.50'	90°00'00"
30	30.63'	19.50'	90°00'00"
31	20.75'	67.50'	17°36'59"
32	114.75'	52.50'	125°13'57"
33	20.75'	67.50'	17°36'59"
34	54.19'	34.50'	90°00'00"

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

- INSTALL CROSS PAN PER COUNTY STD SD-2-26
- ☐ = 7082.90
 - ☐ = 7082.56
 - ☐ = 7082.22

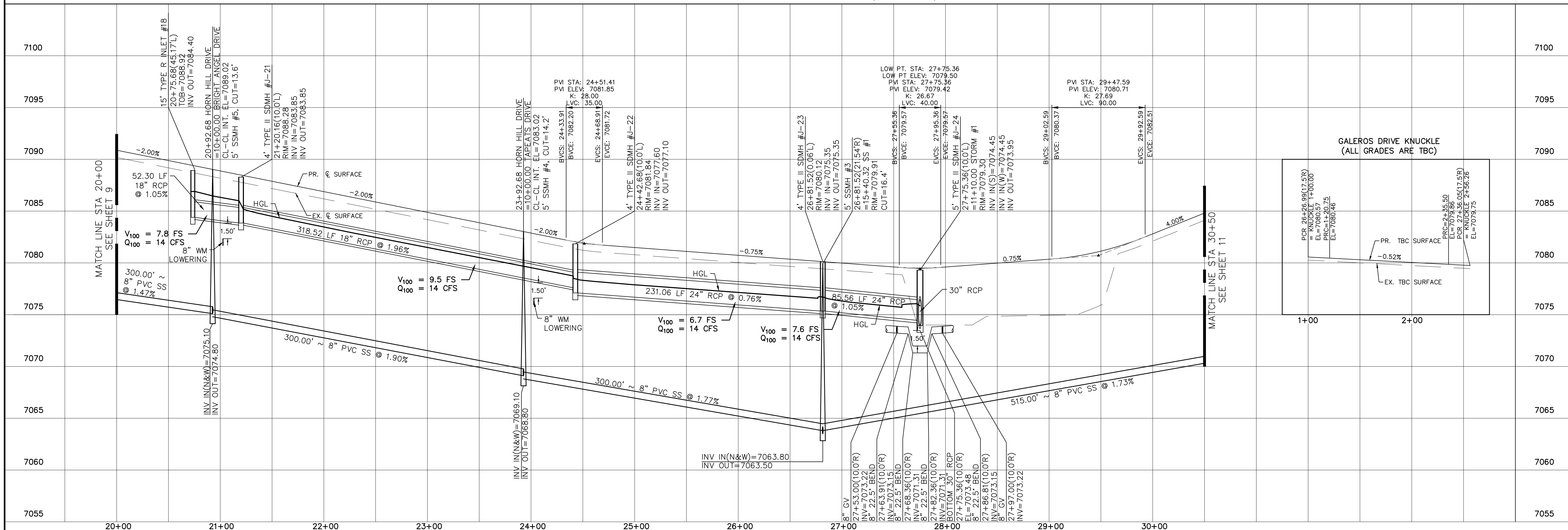
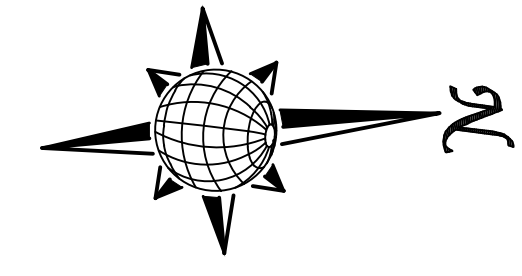
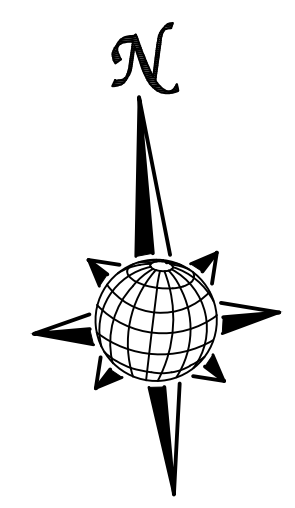
HORN HILL DRIVE & GALEROS DRIVE

URBAN LOCAL, DESIGN SPEED 25 MPH
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)

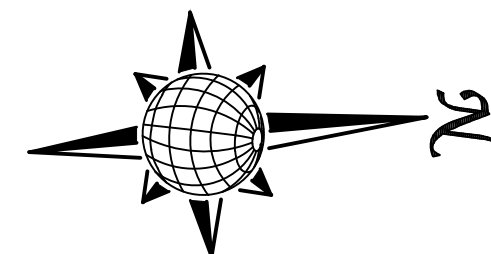


TWO WORKING DAYS BEFORE YOU DIG CALL 811

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

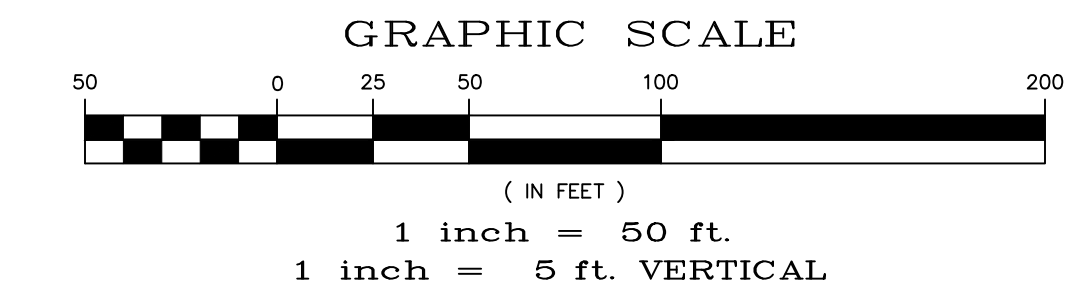


Date		Date		Date	
Appr.		Invt.		Rev.	
No.		No.		No.	
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444					
MERIDIAN RANCH					
ROLLING HILLS RANCH NORTH FILING #1 AT MERIDIAN RANCH STREET AND UTILITY PLANS HORN HILL DRIVE AND GALEROS DRIVE					
Scale	AS SHOWN	Drawn by	LOG	Checked by	TAK
	10 of 37	Date	NOVEMBER 2023		

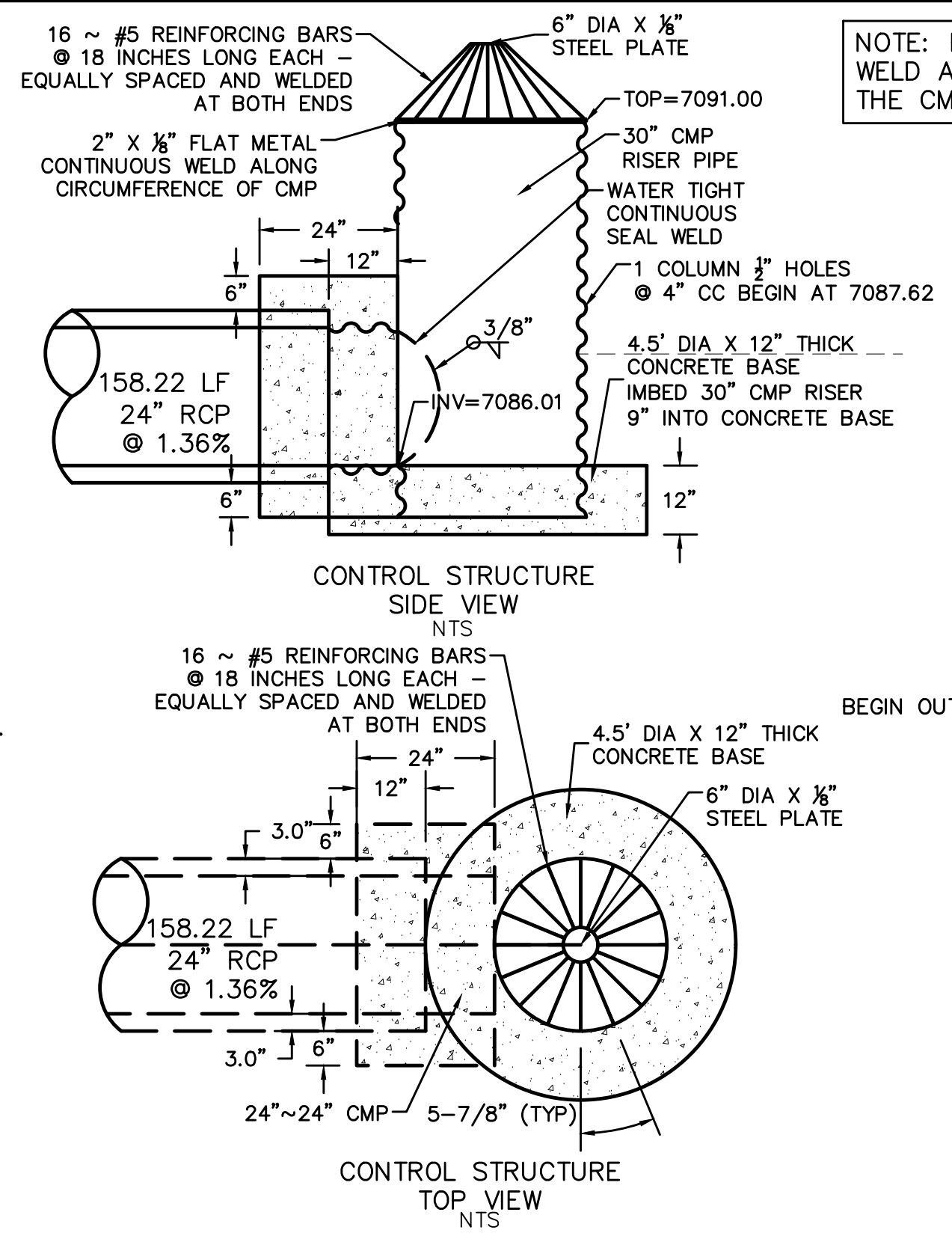


GALEROS DRIVE

URBAN LOCAL, DESIGN SPEED 25 MPH
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)

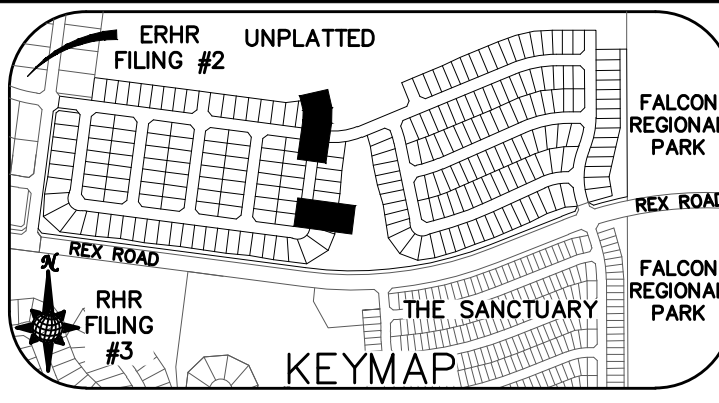


NOTE: PAINT OR COAT ALL WELD AND CUT AREAS OF THE CMP PIPES.



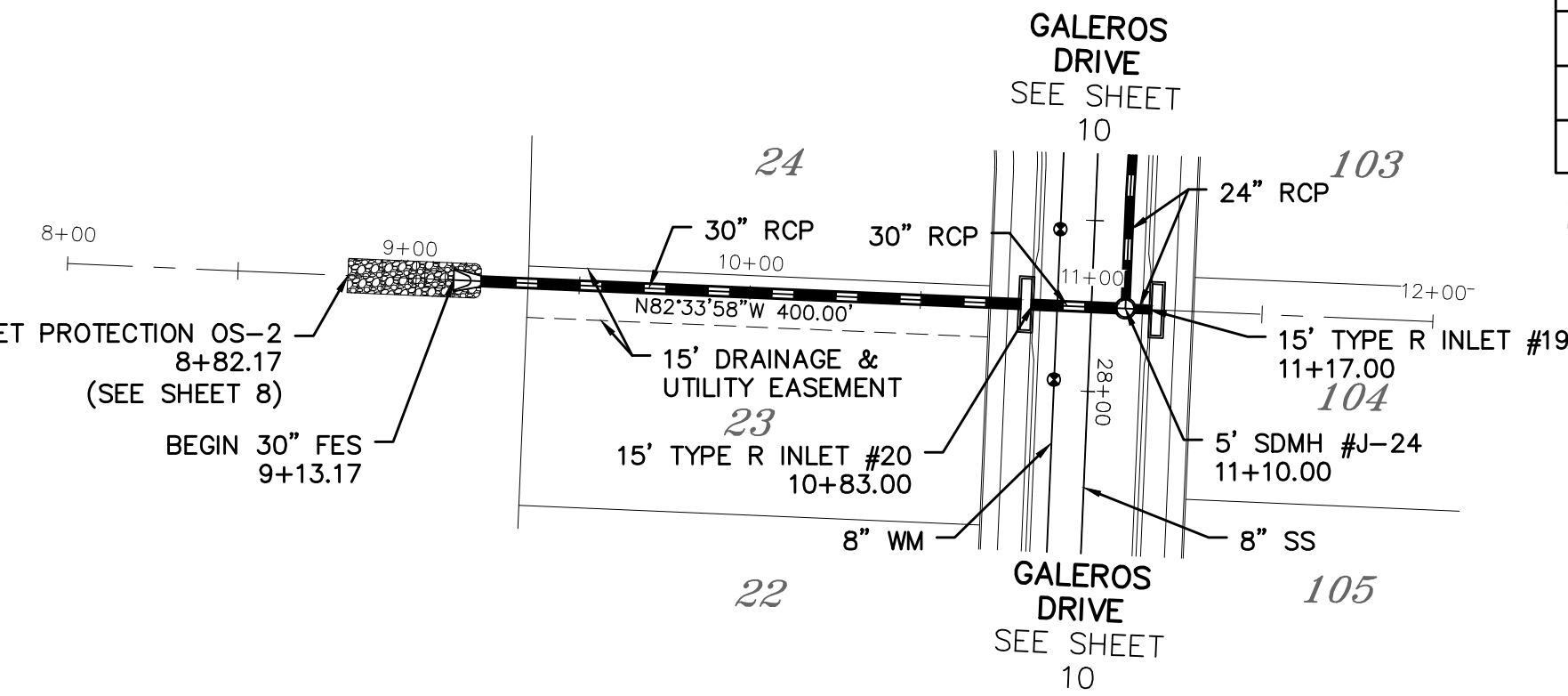
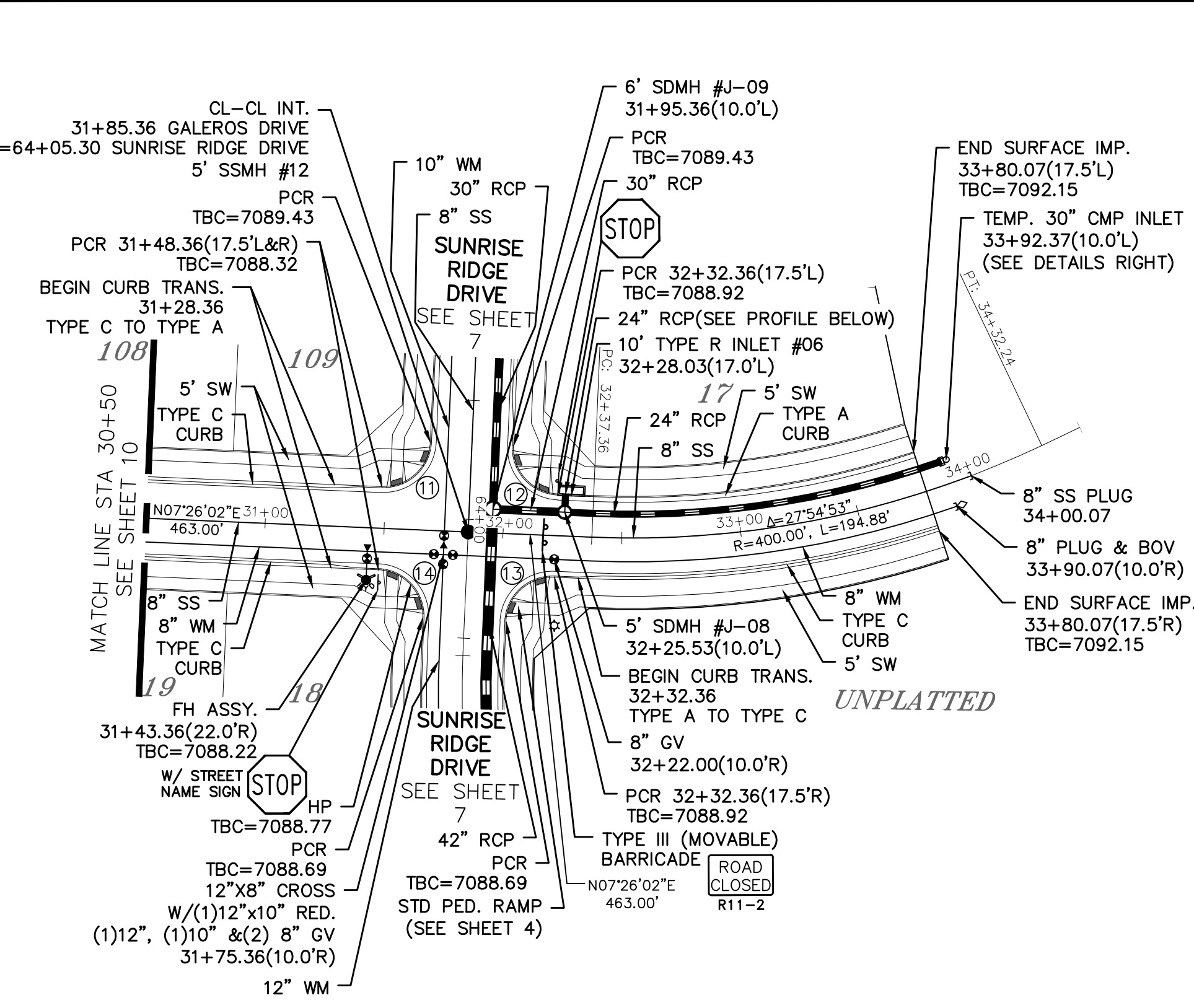
TWO WORKING DAYS
BEFORE YOU DIG CALL 811

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

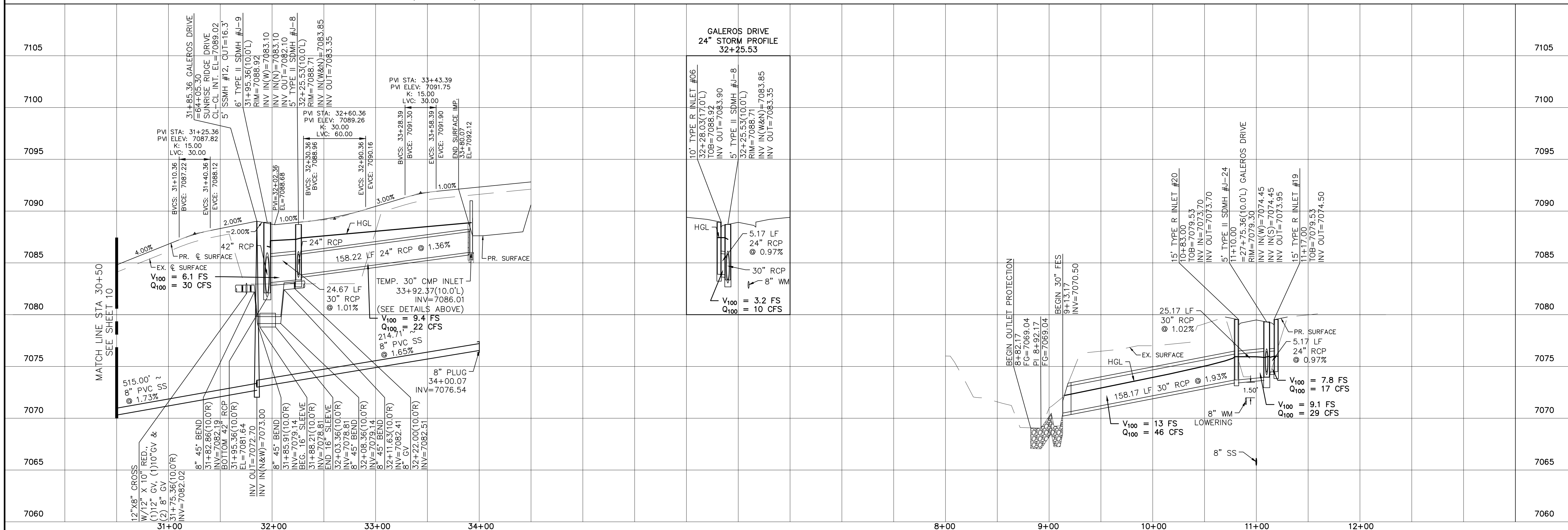


Curve Table			
CURVE	LENGTH	RADIUS	Delta
11	30.63'	19.50'	90°00'00"
12	30.63'	19.50'	90°00'00"
13	30.63'	19.50'	90°00'00"
14	30.63'	19.50'	90°00'00"

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



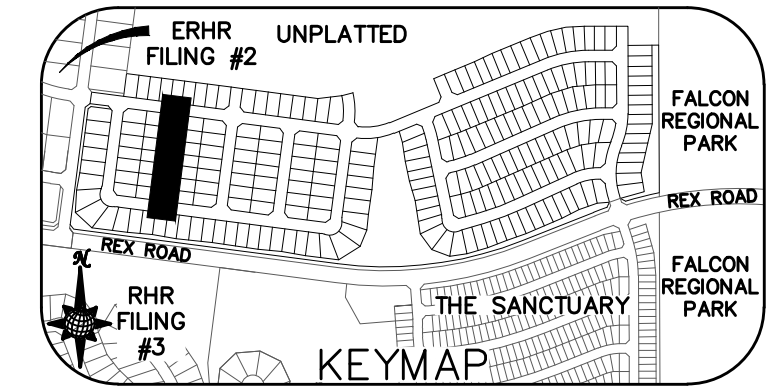
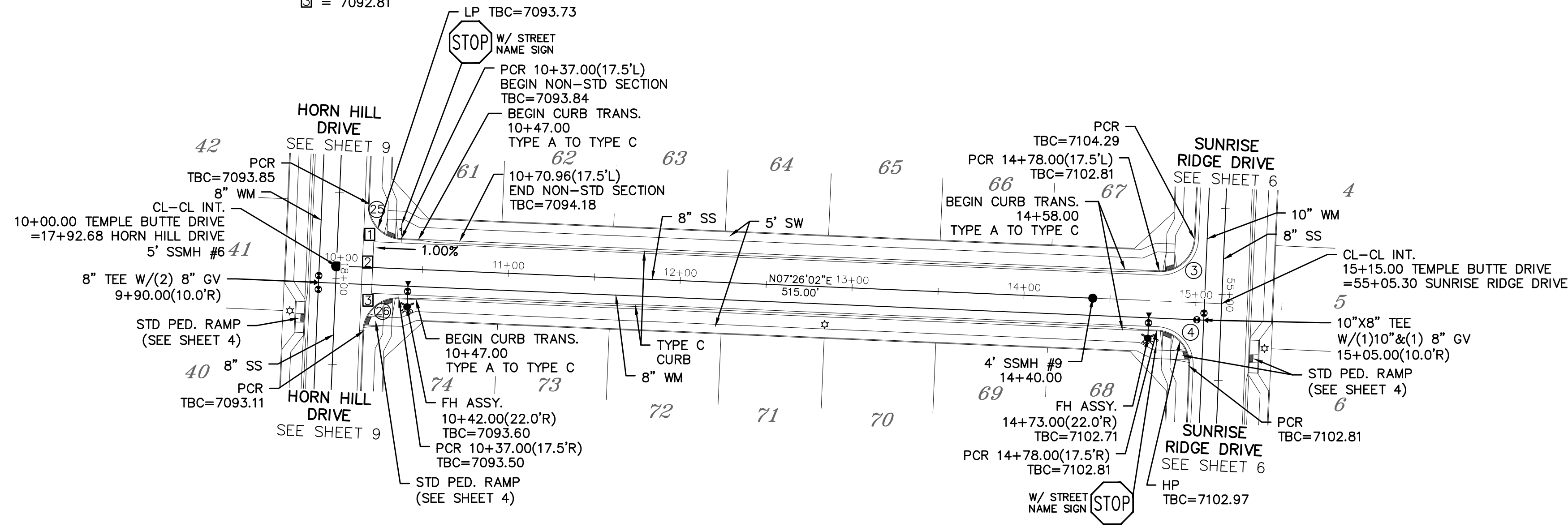
STORM #2



Date	
Appr.	
Date	
Revisions	
No.	
TECH CONTRACTORS 11910 TOURMALINE DR, #130 FALCON, CO 80831 TELEPHONE: 719.495.7444	
MERIDIAN RANCH	
ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS GALEROS DRIVE AND STORM #2	
Drawn by	LOG
Checked by	TAK
Date	NOVEMBER 2023
Scale	AS SHOWN
	11 of 37

INSTALL CROSS PAN
PER COUNTY STD
SD-2-26

- 1 = 7093.15
- 2 = 7092.98
- 3 = 7092.81



Curve Table			
CURVE	LENGTH	RADIUS	Delta
3	30.63'	19.50'	90°00'00"
4	30.63'	19.50'	90°00'00"
25	30.63'	19.50'	90°00'00"
26	30.63'	19.50'	90°00'00"

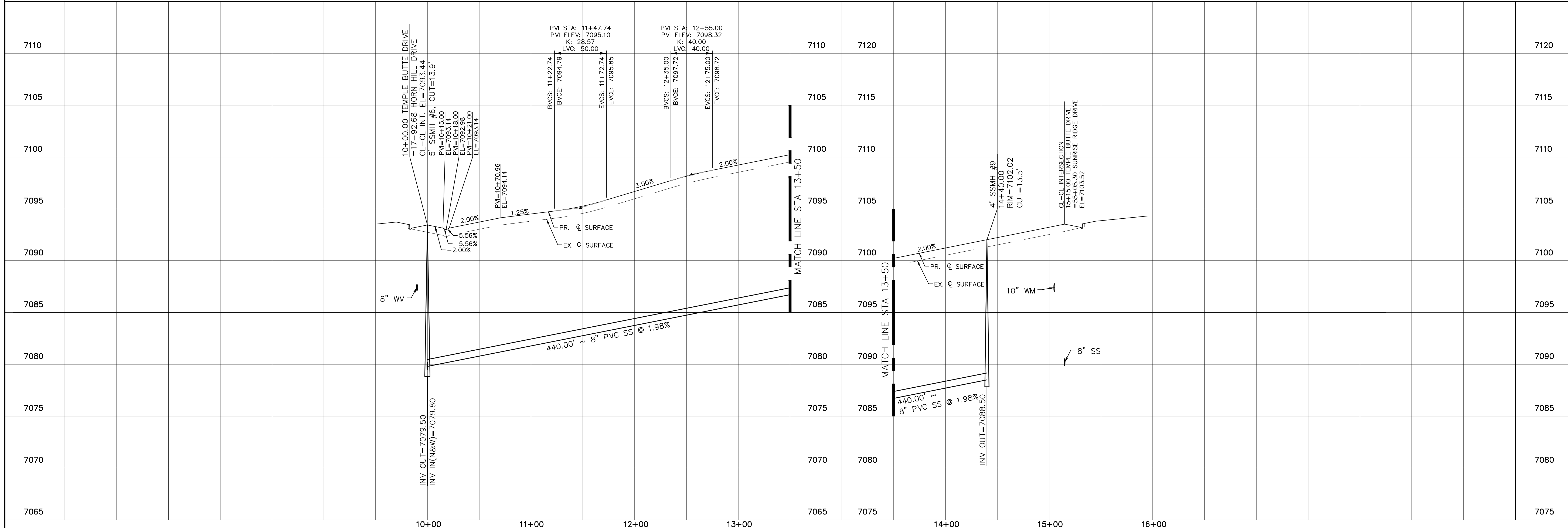
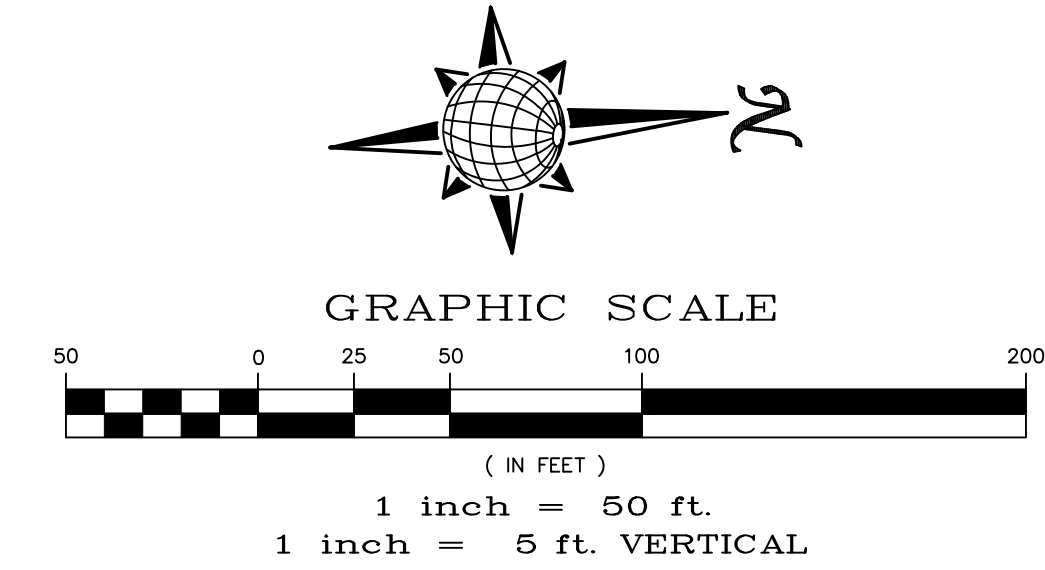
ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)

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

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

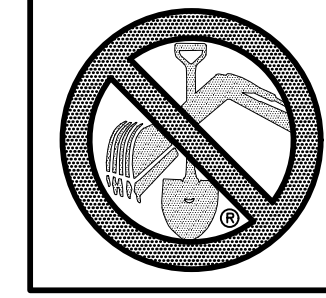
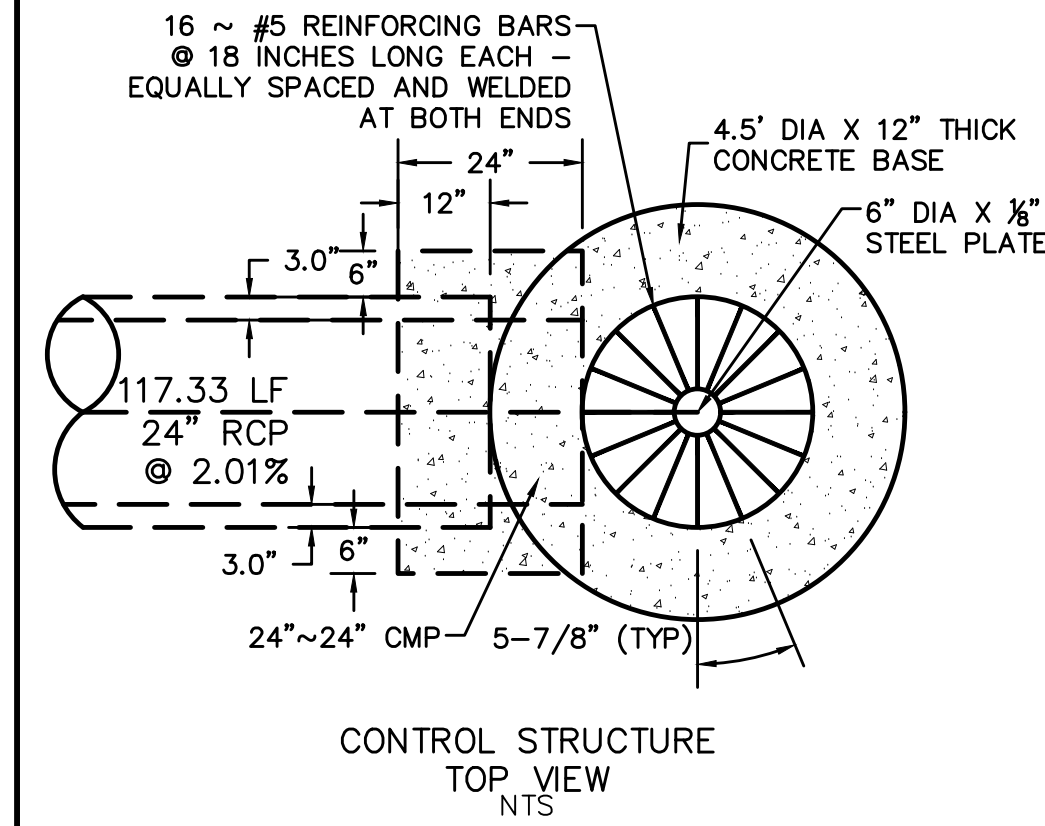
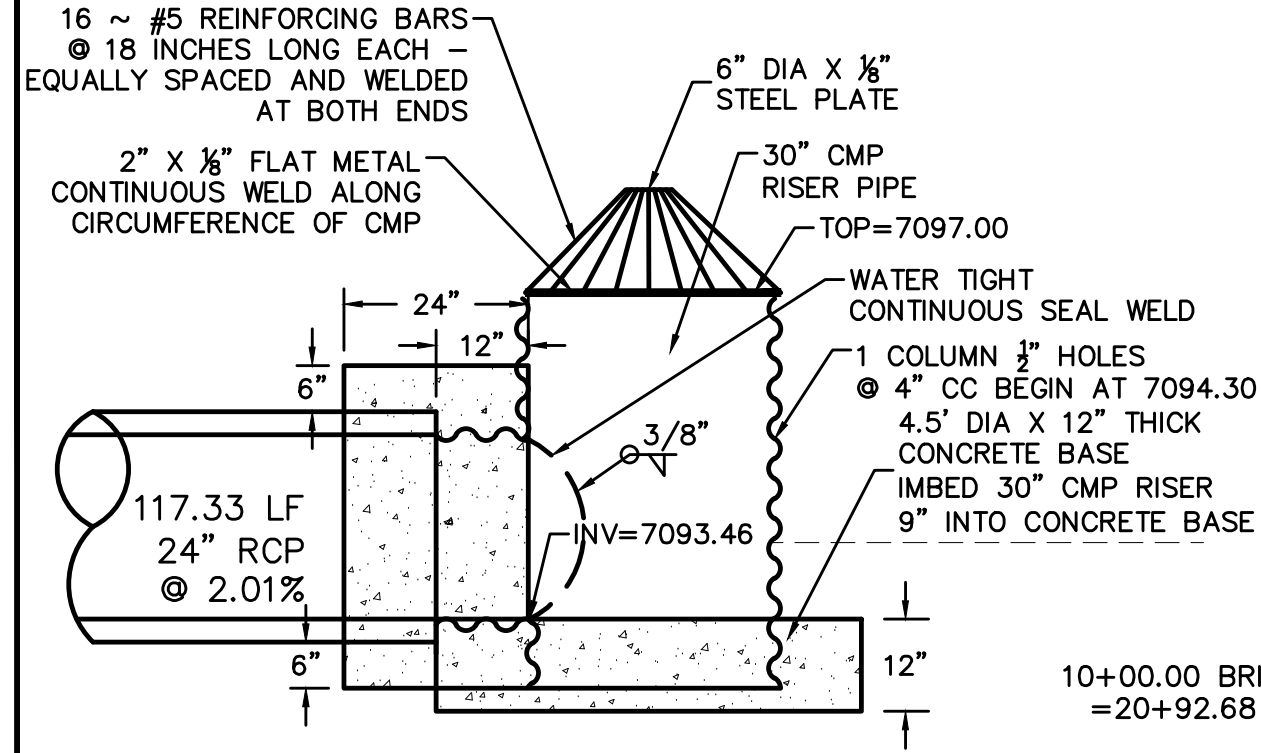
TEMPLE BUTTE DRIVE

URBAN LOCAL, DESIGN SPEED 25 MPH
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)

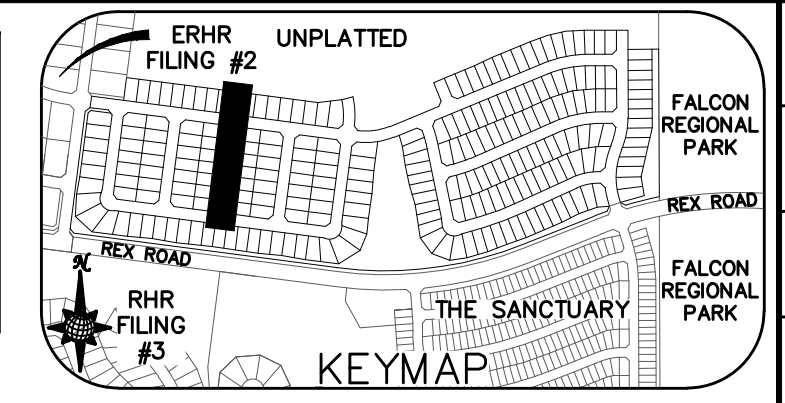


Date	Appr.	
Date	Invt.	
No.	Revisions	
1		
2		
3		
4		
TECH CONTRACTORS 11910 TOURMALINE DR, #130 FALCON, CO 80831 TELEPHONE: 719.495.7444		
MERIDIAN RANCH		
ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS TEMPLE BUTTE DRIVE		
Scale	Drawn by LOG	Checked by TAK
AS SHOWN		
12 of 37	Date	NOVEMBER 2023

NOTE: PAINT OR COAT ALL WELD AND CUT AREAS OF THE CMP PIPES.

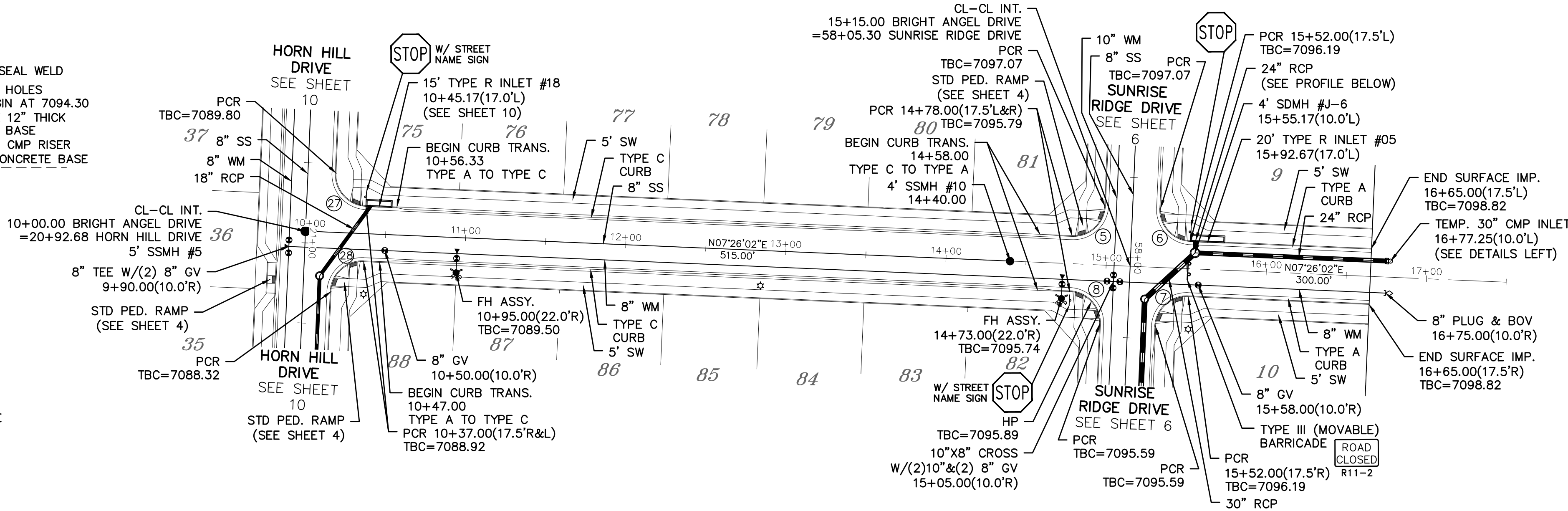


TWO WORKING DAYS
**BEFORE YOU DIG
CALL 811**
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1887
(SEE COVER FOR LIST OF UTILITY CONTACTS)



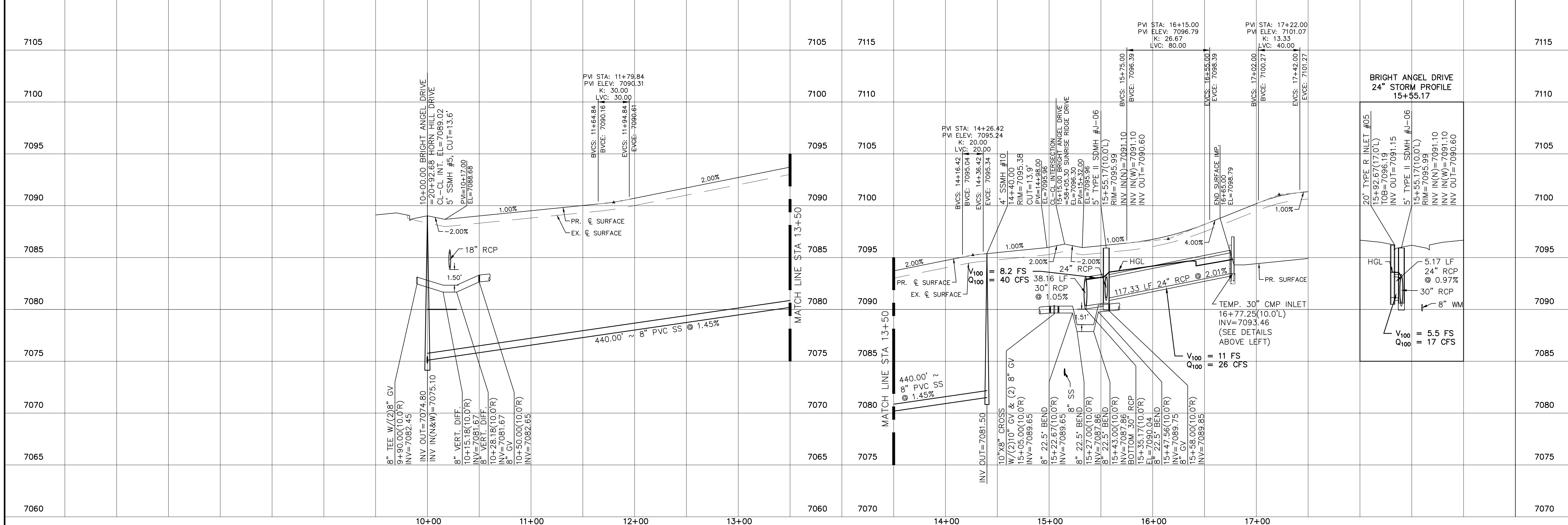
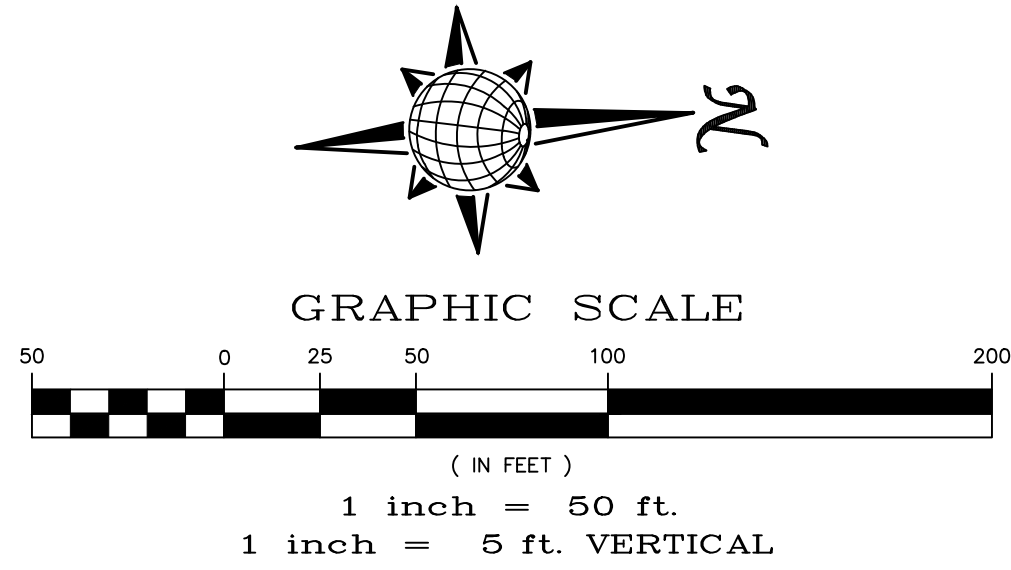
Curve Table			
CURVE	LENGTH	RADIUS	Delta
5	30.63'	19.50'	90°00'00"
6	30.63'	19.50'	90°00'00"
7	30.63'	19.50'	90°00'00"
8	30.63'	19.50'	90°00'00"
27	30.63'	19.50'	90°00'00"
28	30.63'	19.50'	90°00'00"

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




BRIGHT ANGEL DRIVE

URBAN LOCAL, DESIGN SPEED 25 MPH
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



1	2	3	4
No.	Revisions	Date	Appr.
TECH CONTRACTORS 11910 TOURMALINE DR, #130 FALCON, CO 80831 TELEPHONE: 719.495.7444			
MERIDIAN RANCH			
ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS BRIGHT ANGEL DRIVE			
Scale	Drawn by	Checked by	Date
AS SHOWN	LOG	TAK	NOVEMBER 2023
13 of 37			

 TWO WORKING DAYS
BEFORE YOU DIG
CALL 811

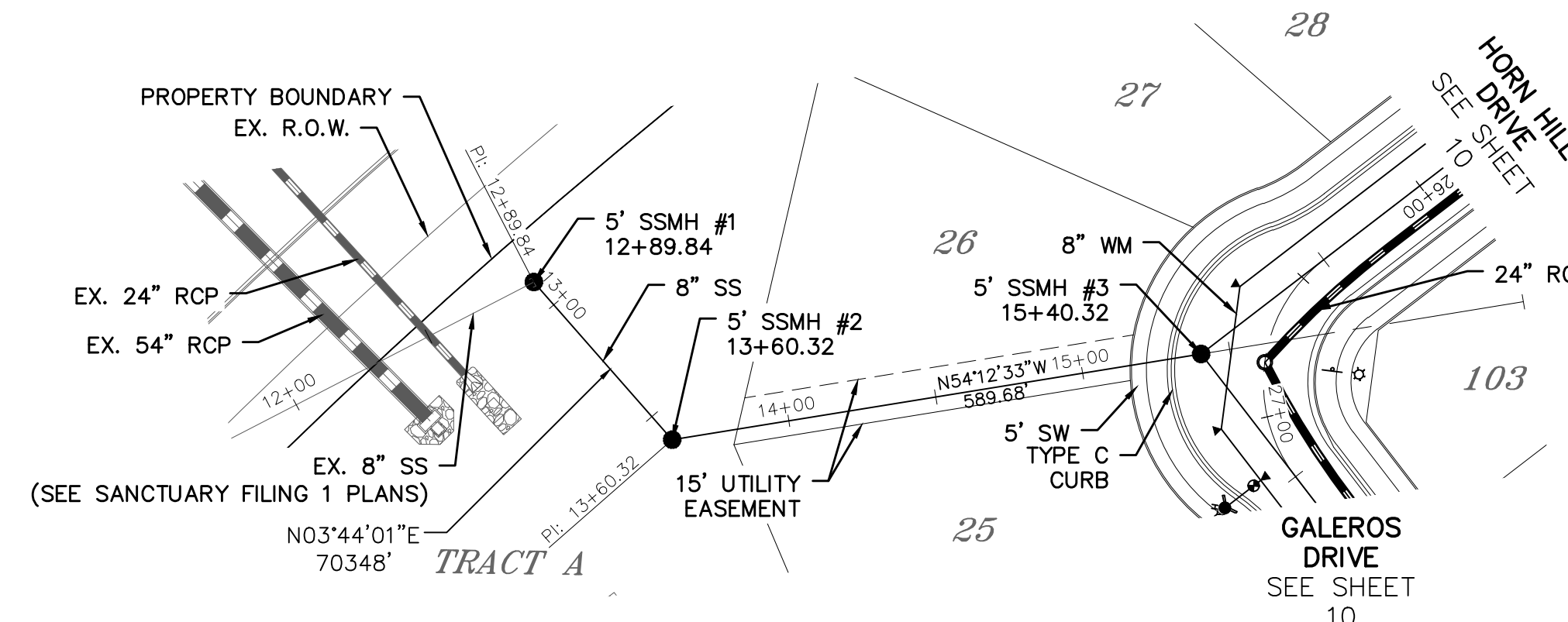
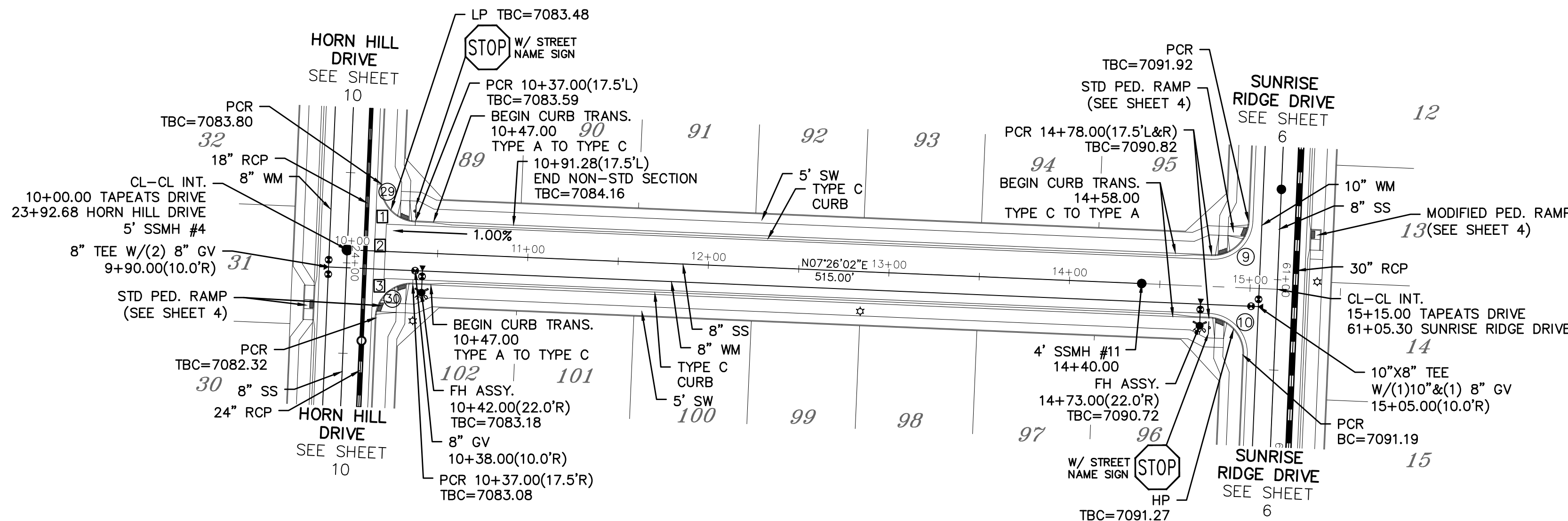
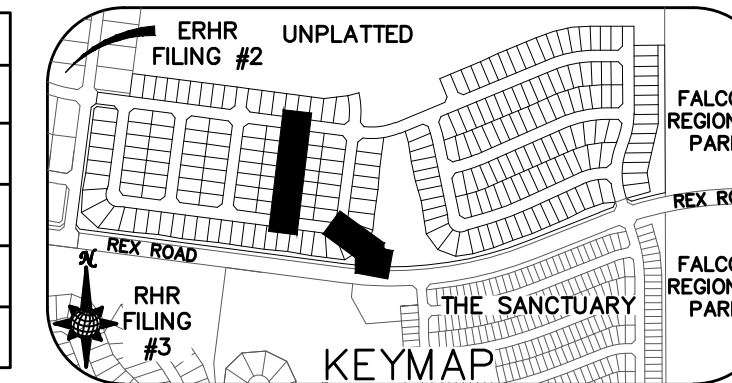
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

INSTALL CROSS PAN
PER COUNTY STD
SD-2-26

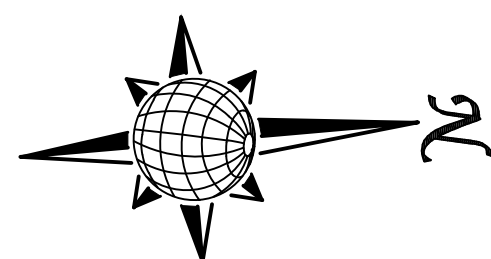
= 7082.90
 = 7082.56
 = 7082.22

Curve Table			
CURVE	LENGTH	RADIUS	Delta
9	30.63'	19.50'	90°00'00"
10	30.63'	19.50'	90°00'00"
29	30.63'	19.50'	90°00'00"
30	30.63'	19.50'	90°00'00"

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

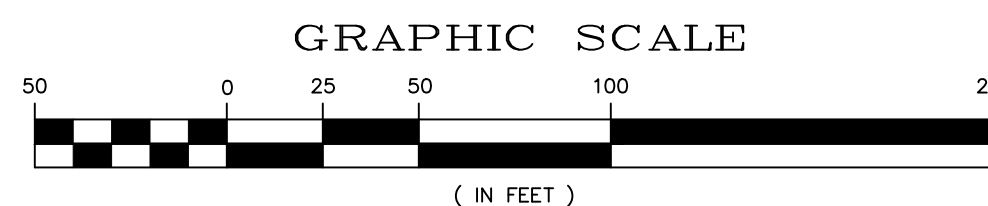


NOTE: CONTRACTOR TO CONFIRM INV ELEVATION
OF EXISTING 8" PVC SS PRIOR TO NEW MANHOLE
AND PIPE INSTALLATION

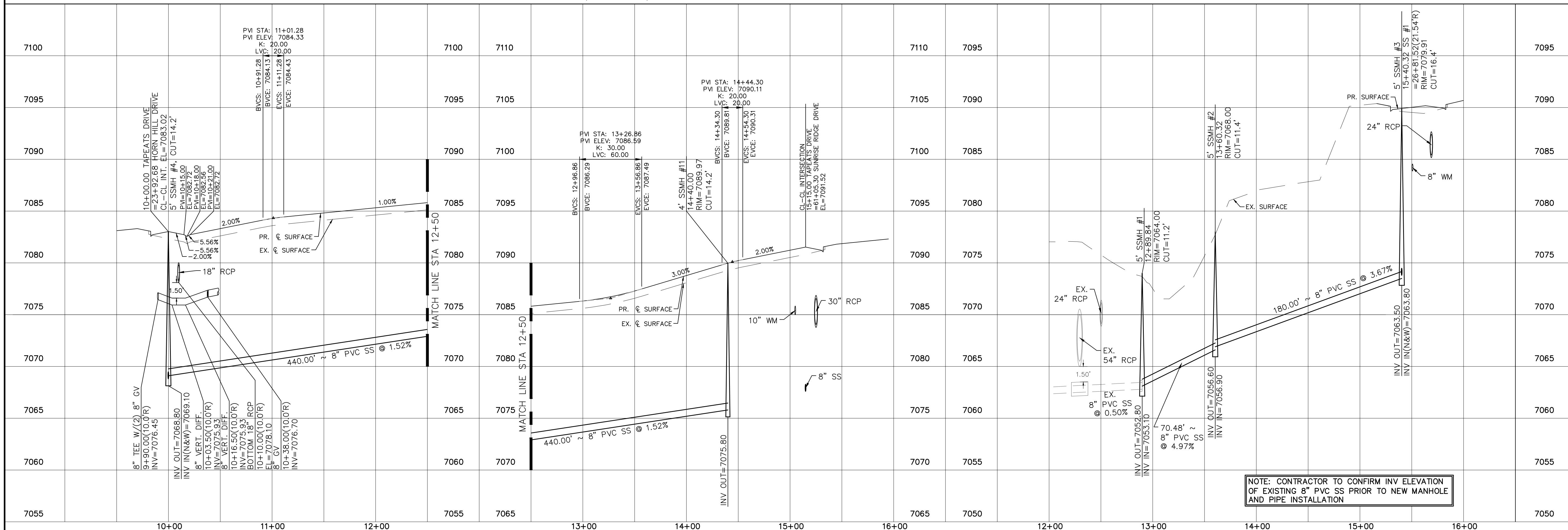


TAPEATS DRIVE

URBAN LOCAL, DESIGN SPEED 25 MPH
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



SS #1

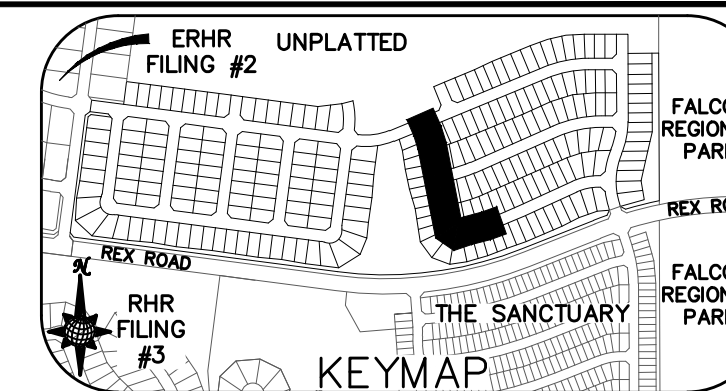


NOTE: CONTRACTOR TO CONFIRM INV ELEVATION
OF EXISTING 8" PVC SS PRIOR TO NEW MANHOLE
AND PIPE INSTALLATION

1		2		3		4		No.	Revisions	Date	Appr.
1		2		3		4					
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444								MERIDIAN RANCH		ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS TAPEATS DRIVE AND SS #1	
Scale		AS SHOWN		Drawn by		Checked by		Date		NOVEMBER 2023	
14		of 37									

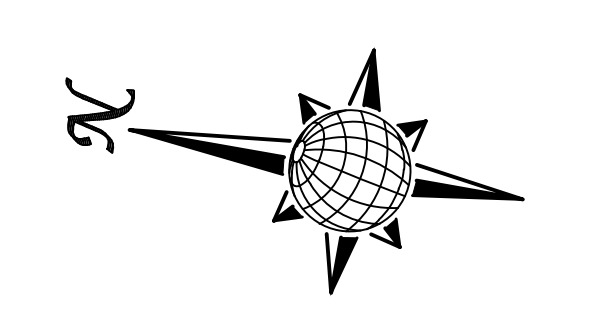
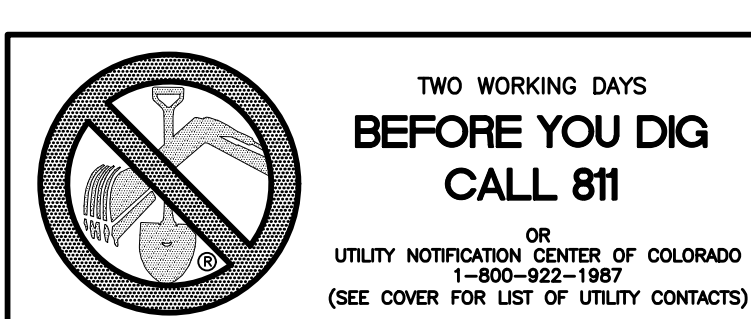
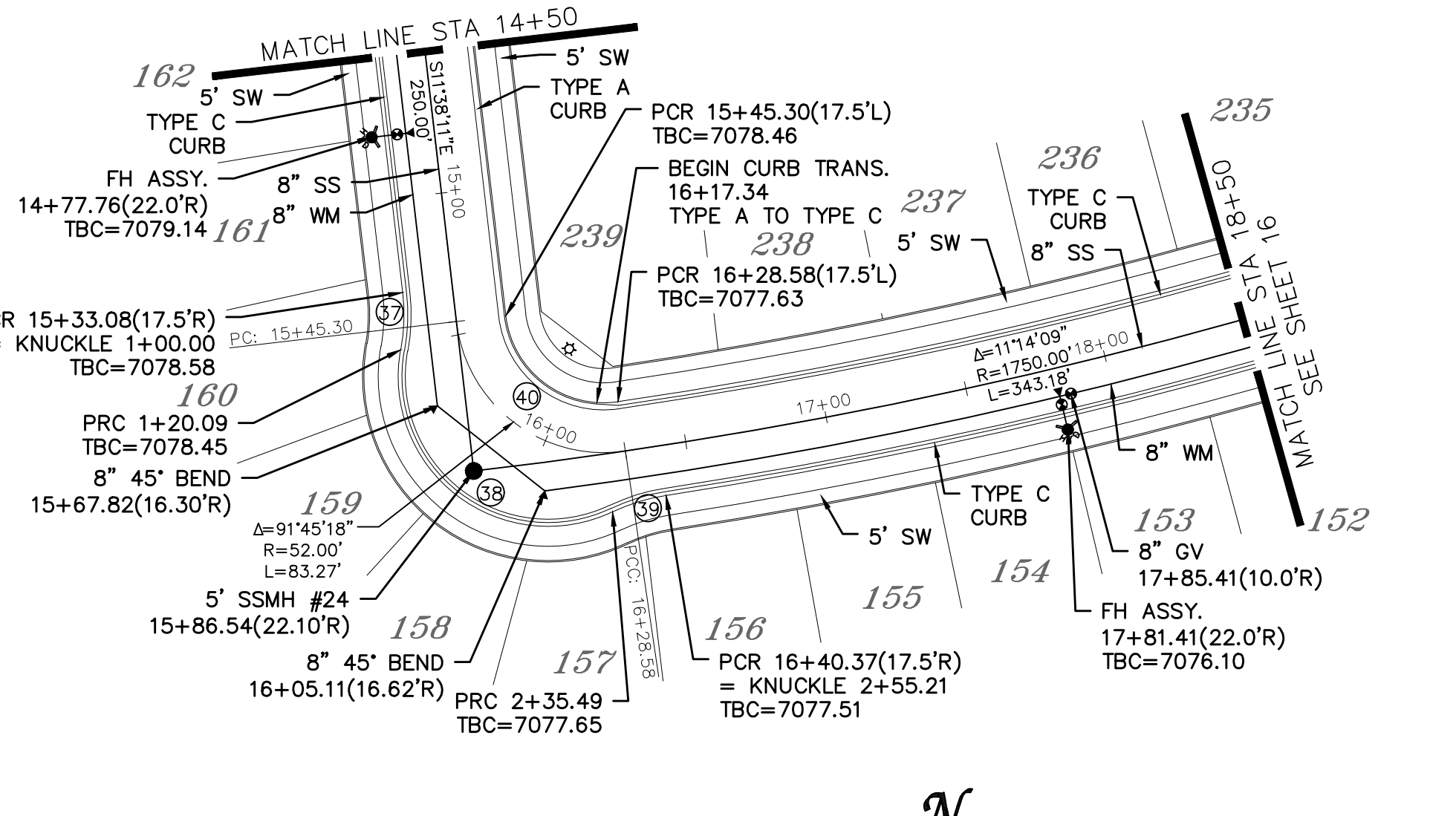
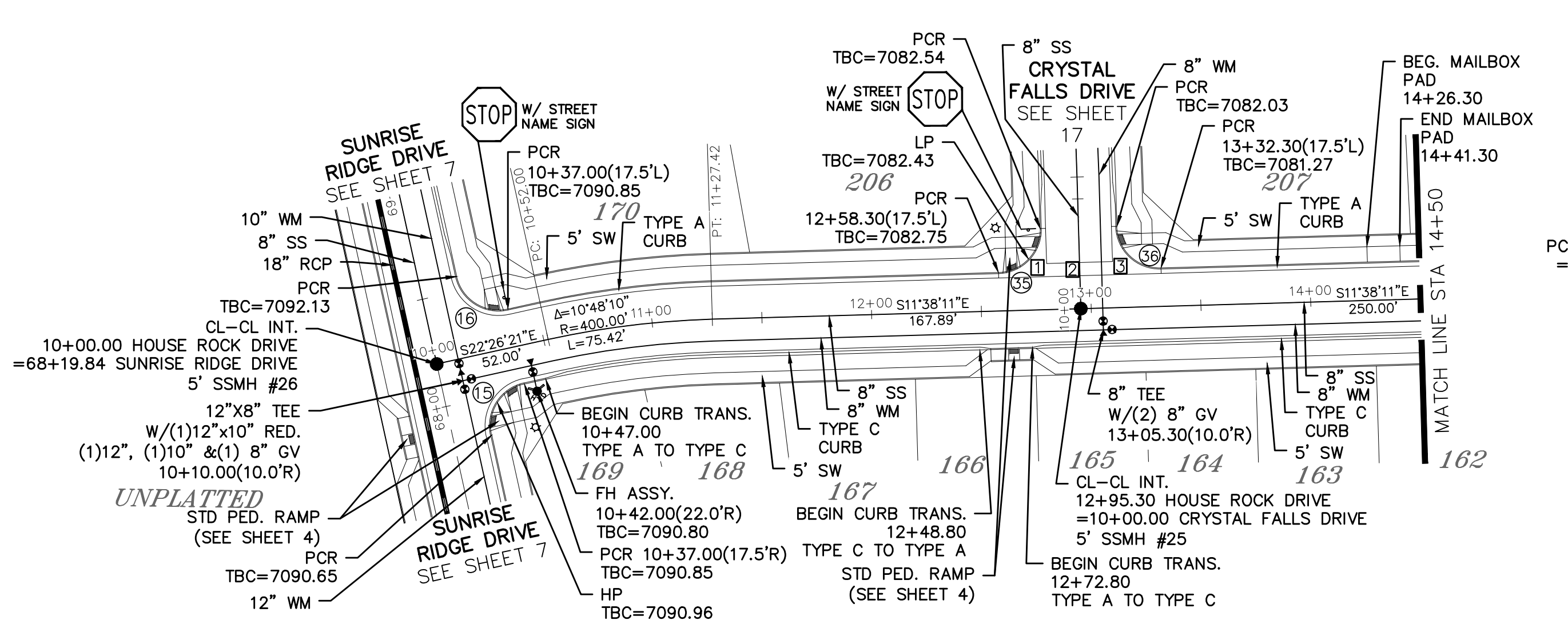
INSTALL CROSS PAN
PER COUNTY STD
SD-2-26

- \square = 7081.85
- \square = 7081.51
- \square = 7081.17

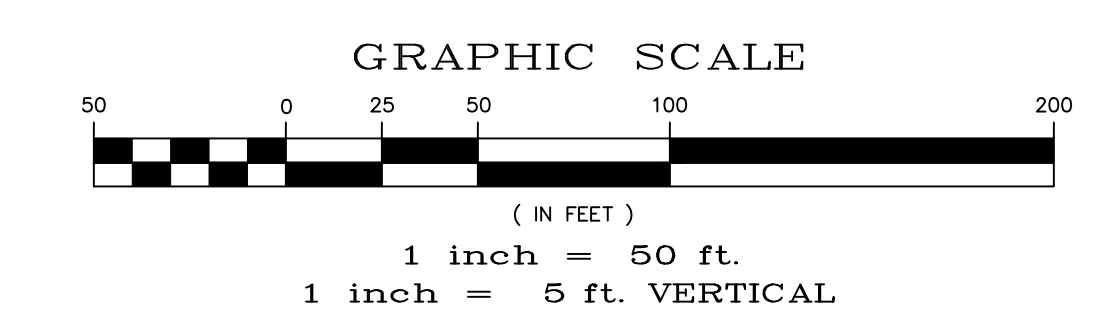
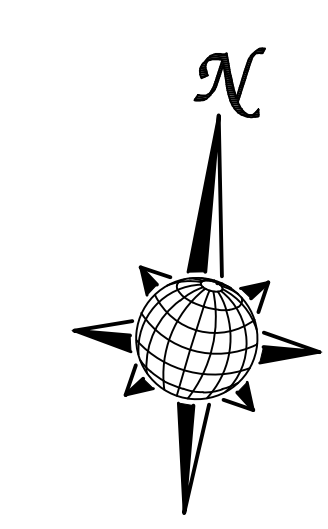


CURVE	LENGTH	RADIUS	Delta
15	30.63'	19.50'	90°00'00"
16	30.63'	19.50'	90°00'00"
35	30.63'	19.50'	90°00'00"
36	30.63'	19.50'	90°00'00"
37	20.09'	67.50'	17°03'24"
38	115.39'	52.50'	125°56'10"
39	19.72'	67.50'	16°44'18"
40	55.25'	34.50'	91°45'18"

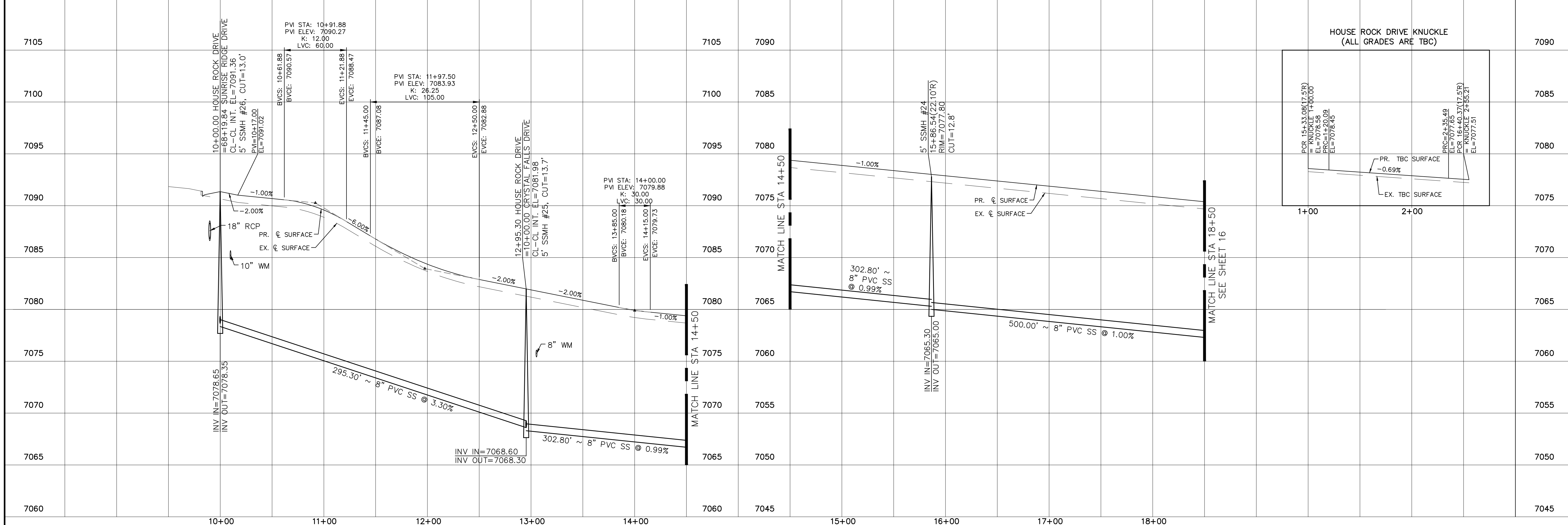
ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)



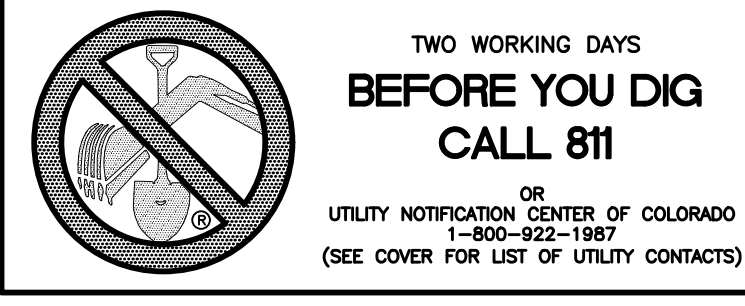
HOUSE ROCK DRIVE



URBAN LOCAL, DESIGN SPEED 25 MPH
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)

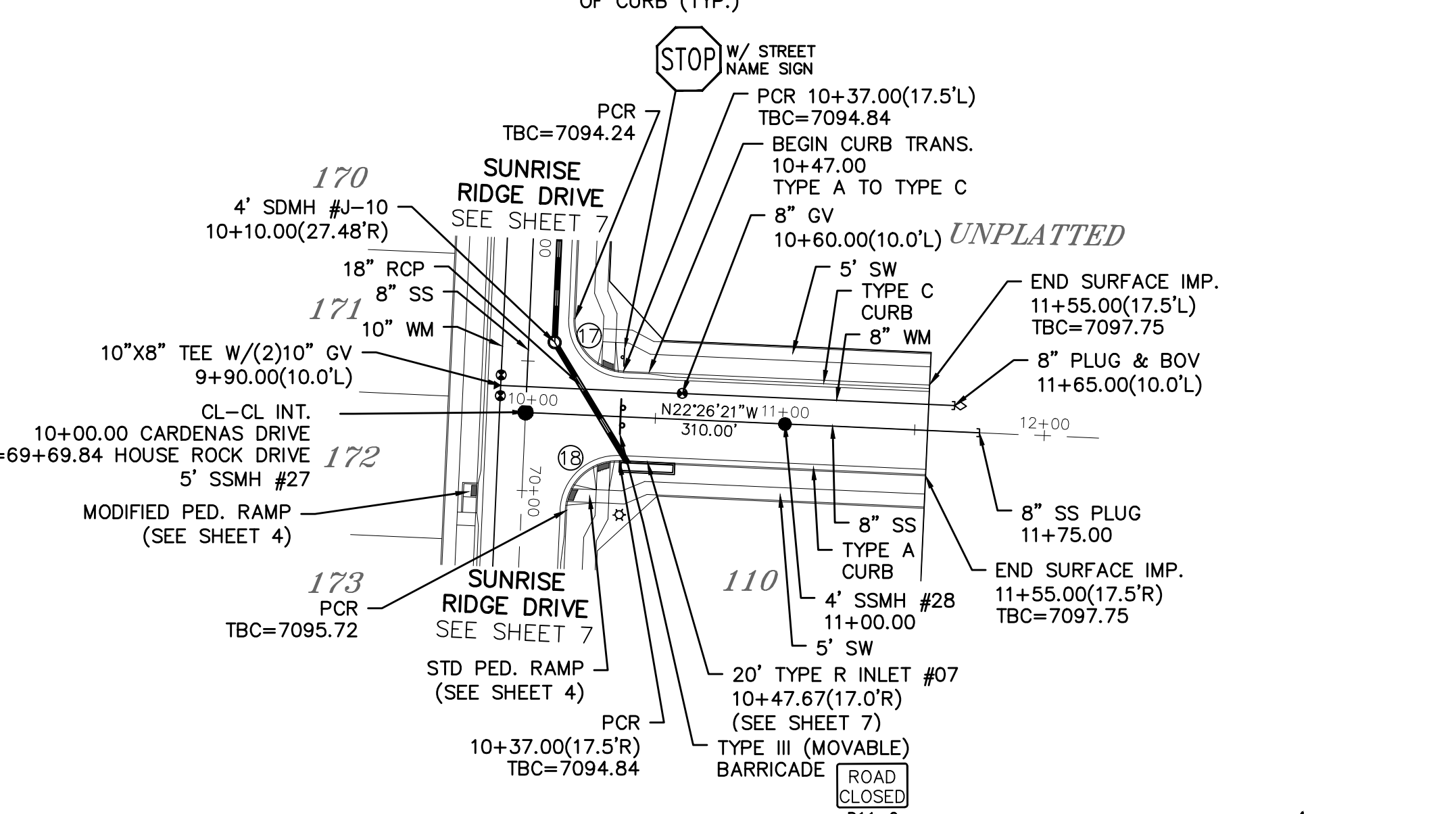
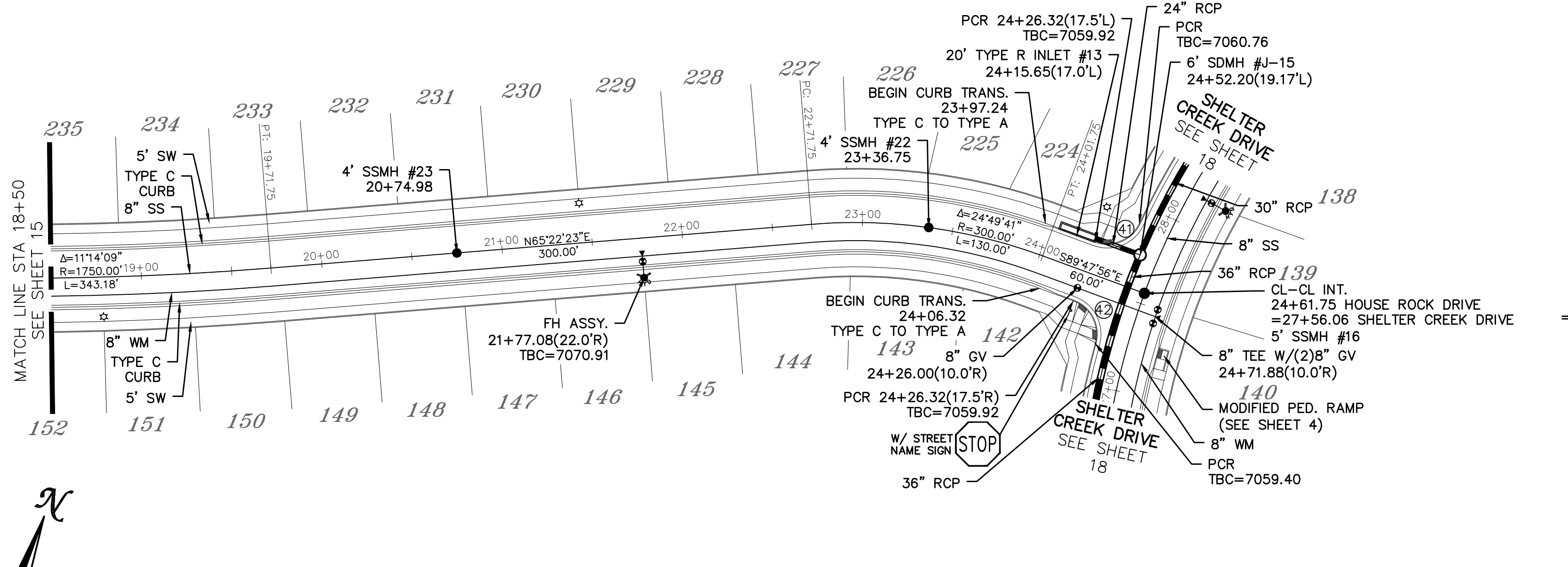
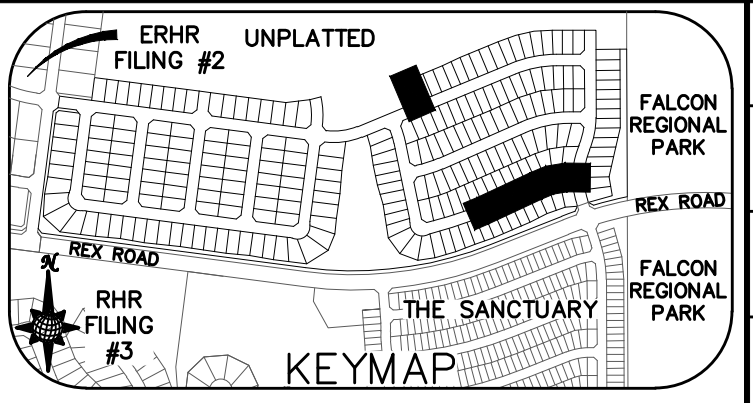


1	2	3	4	No.
<p>TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444</p>				
<p>MERIDIAN RANCH</p>				
<p>ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS HOUSE ROCK DRIVE</p>				
Scale AS SHOWN	Drawn by LOG	Checked by TAK	Date NOVEMBER 2023	15 of 37



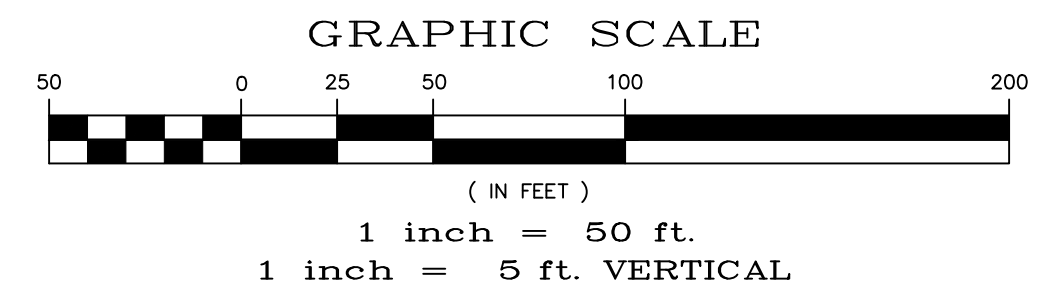
Curve Table			
CURVE	LENGTH	RADIUS	Delta
17	30.63'	19.50'	90°00'00"
18	30.63'	19.50'	90°00'00"
41	28.98'	19.50'	85°08'35"
42	28.98'	19.50'	85°08'35"

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

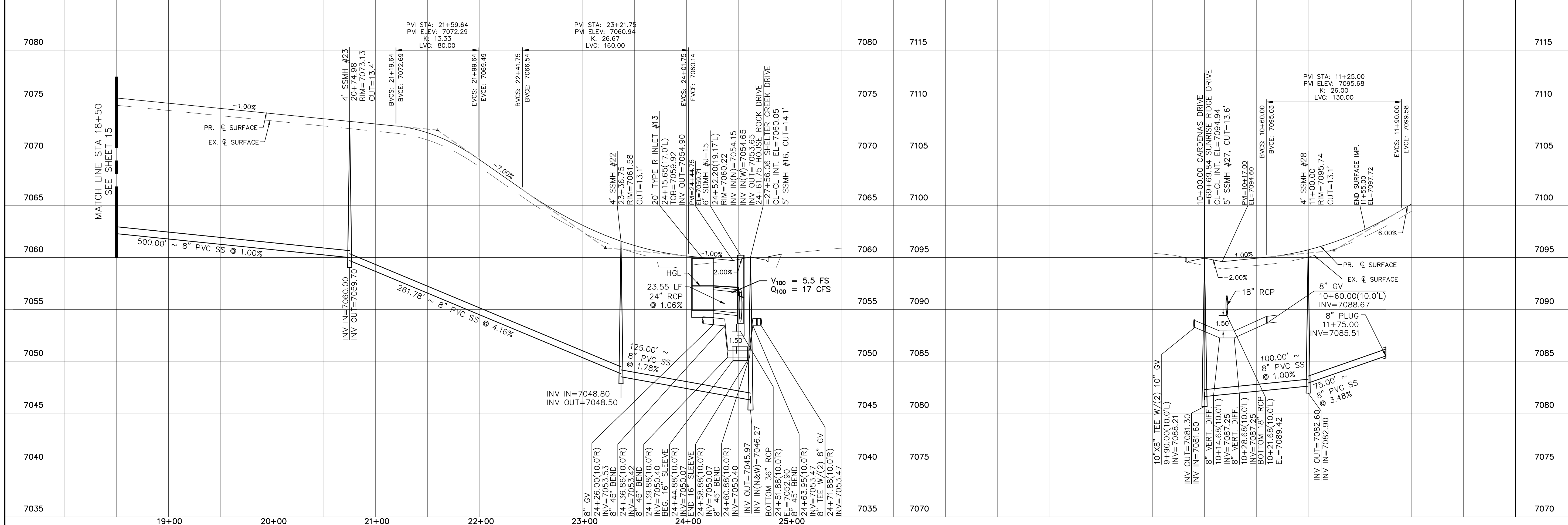


HOUSE ROCK DRIVE

CARDENAS DRIVE



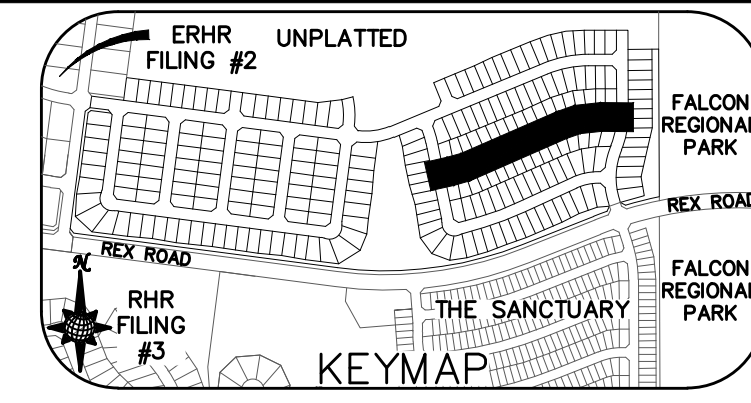
URBAN LOCAL, DESIGN SPEED 25 MPH
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



Date		Appr.	
Date		Invt.	
Date		Rev.	
1 2 3 4 No.			
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444			
ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS HOUSE ROCK DRIVE AND CARDENAS DRIVE			
Scale	AS SHOWN	Drawn by LOG	Checked by TAK
16	of 37	Date	NOVEMBER 2023

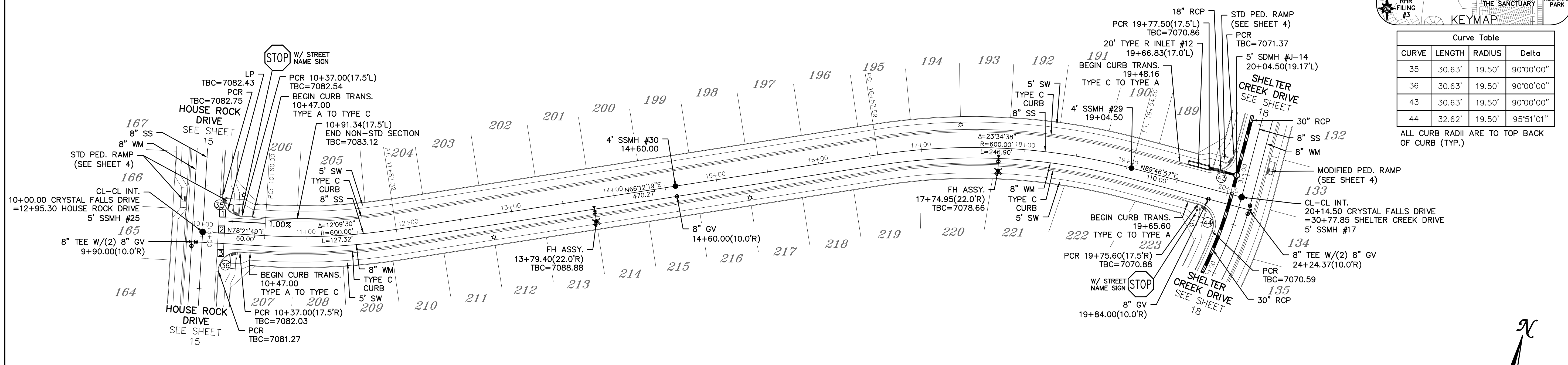
INSTALL CROSS PAN
PER COUNTY STD
SD-2-26

1 = 7081.85
2 = 7081.51
3 = 7081.17



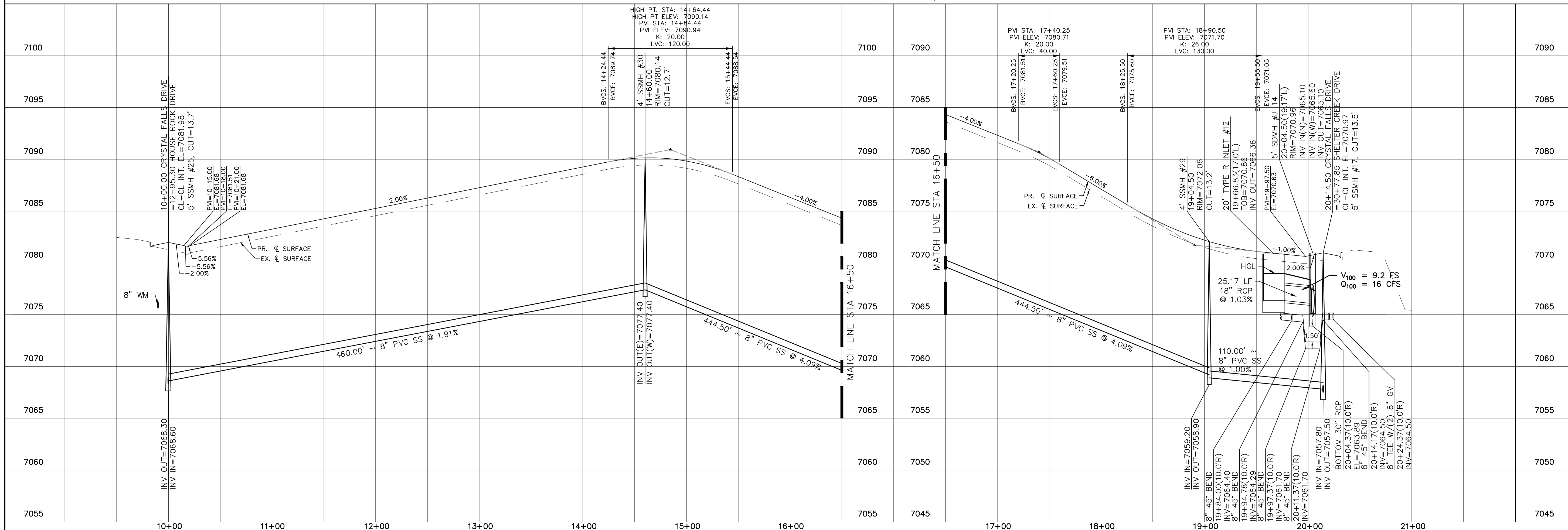
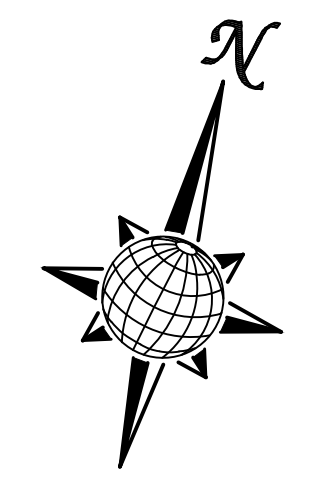
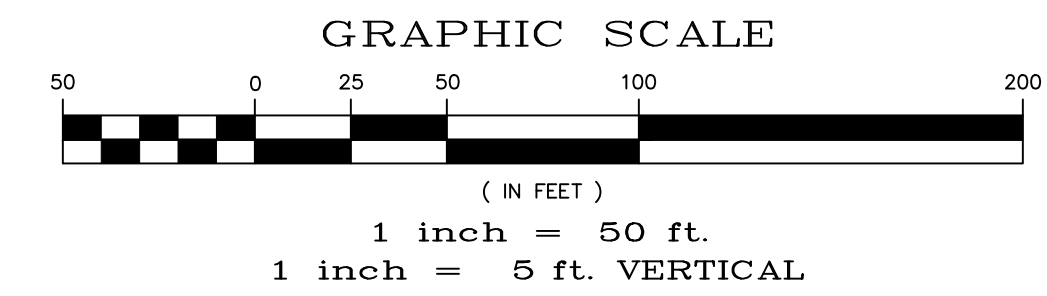
Curve Table			
CURVE	LENGTH	RADIUS	Delta
35	30.63'	19.50'	90°00'00"
36	30.63'	19.50'	90°00'00"
43	30.63'	19.50'	90°00'00"
44	32.62'	19.50'	95°51'01"

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

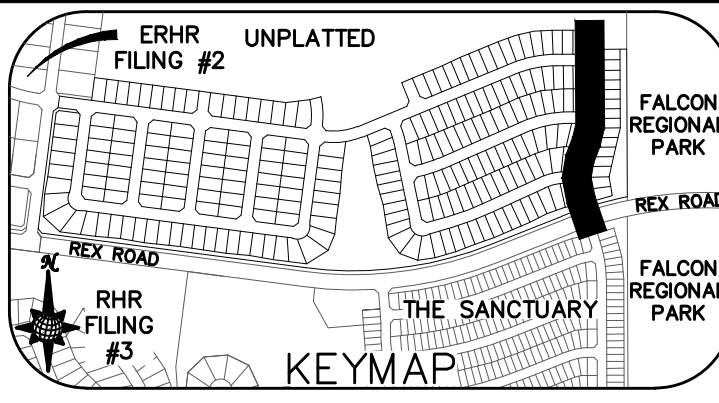
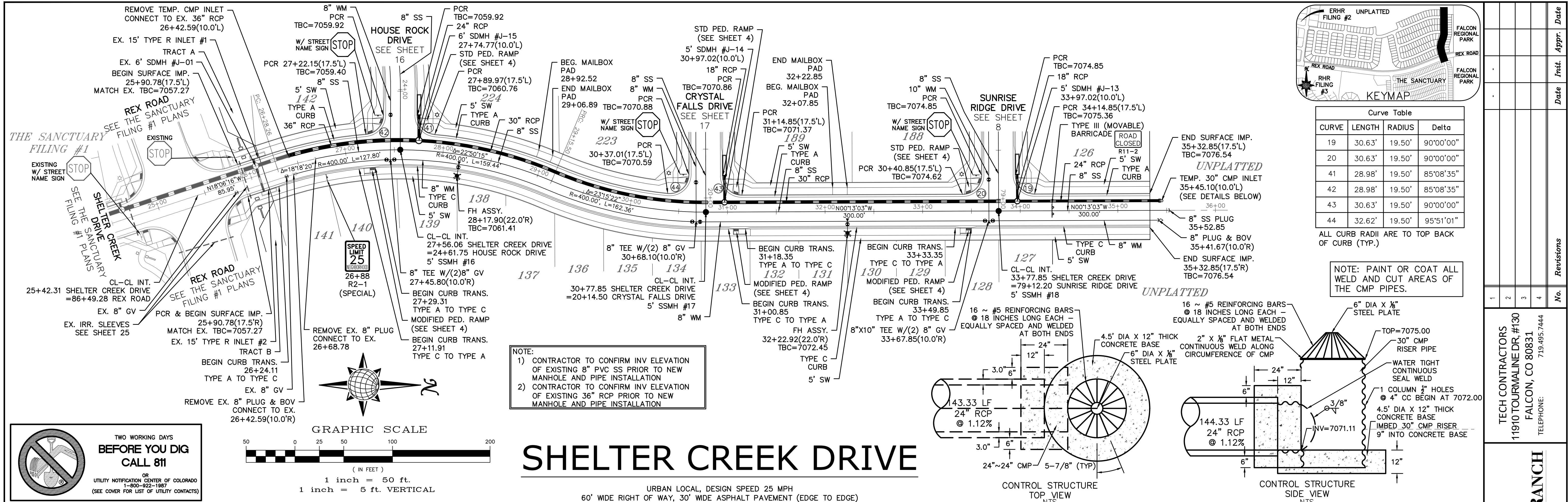


CRYSTAL FALLS DRIVE

URBAN LOCAL, DESIGN SPEED 25 MPH
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)

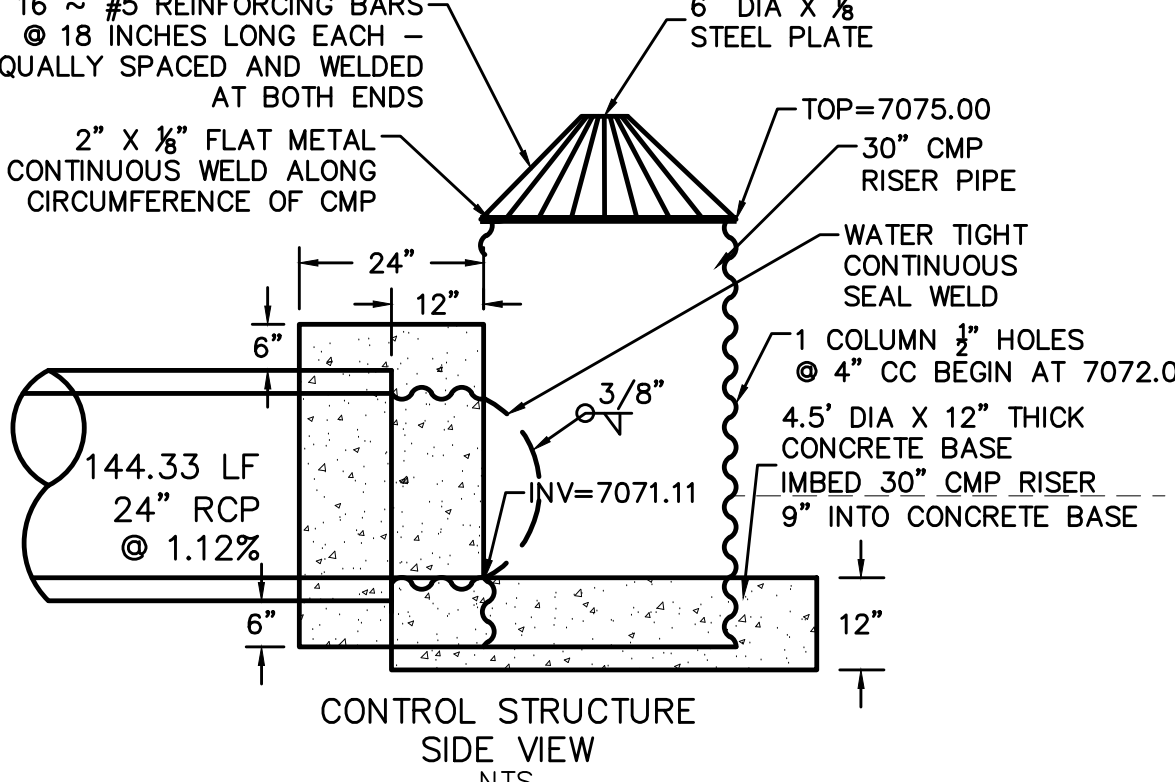
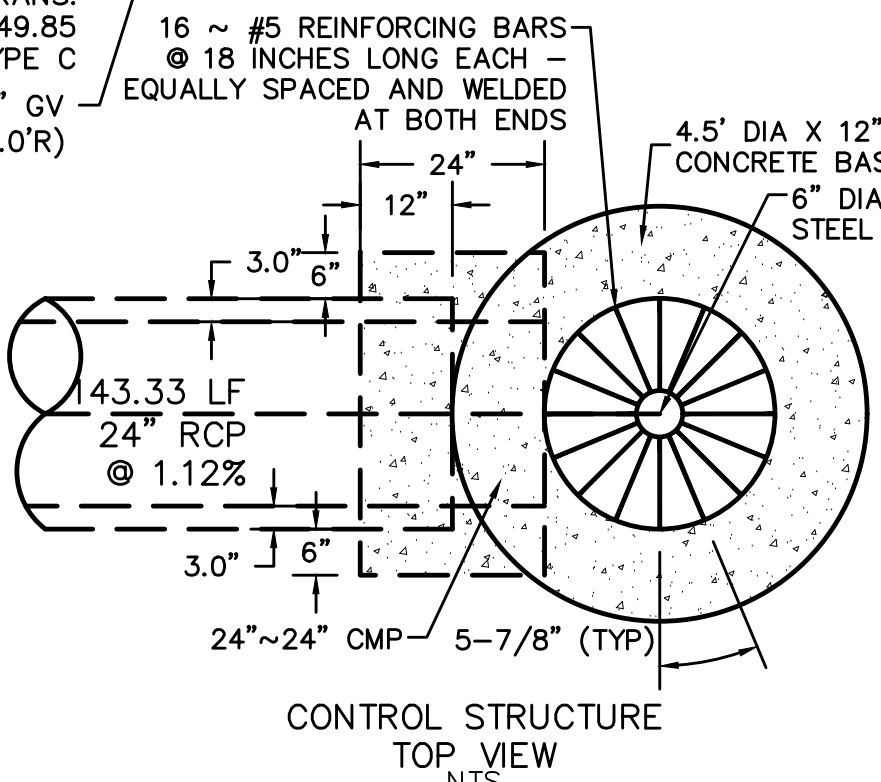


Date	Appr.	Date	Revis.	No.
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444				
MERIDIAN RANCH				
ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS CRYSTAL FALLS DRIVE				
Scale	Drawn by	Checked by	Date	
AS SHOWN	LOG	TAK	NOVEMBER 2023	
17 of 37				



CURVE	LENGTH	RADIUS	Delta
19	30.63'	19.50'	90°00'00"
20	30.63'	19.50'	90°00'00"
41	28.98'	19.50'	85°08'35"
42	28.98'	19.50'	85°08'35"
43	30.63'	19.50'	90°00'00"
44	32.62'	19.50'	95°51'01"

NOTE: PAINT OR COAT ALL WELD AND CUT AREAS OF THE CMP PIPES.



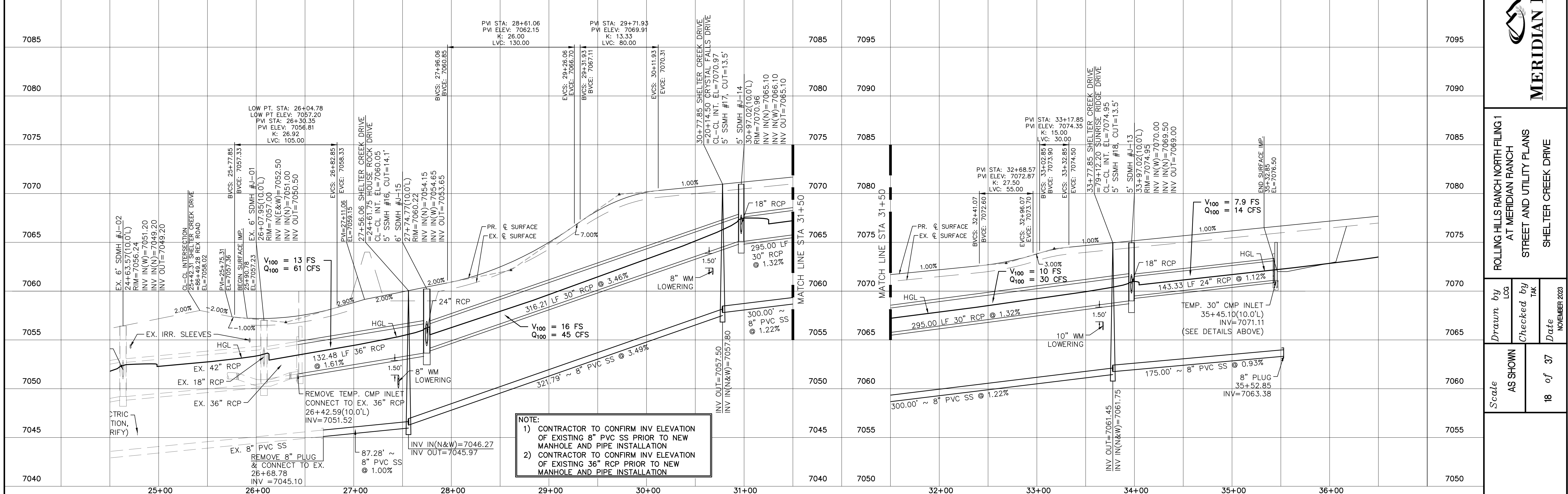
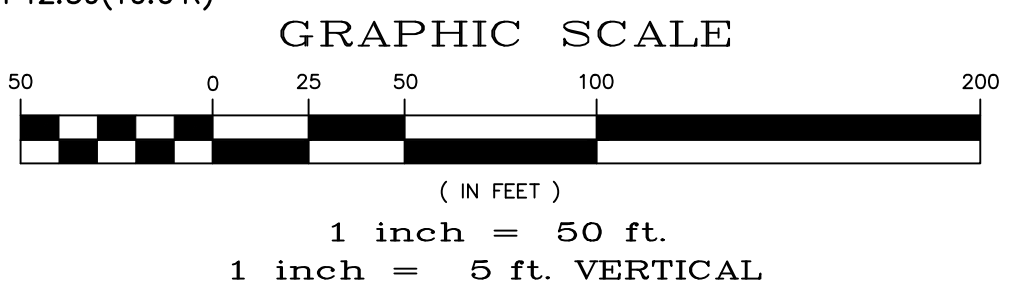
- NOTE:
- CONTRACTOR TO CONFIRM INV ELEVATION OF EXISTING 8" PVC SS PRIOR TO NEW MANHOLE AND PIPE INSTALLATION
 - CONTRACTOR TO CONFIRM INV ELEVATION OF EXISTING 36" RCP PRIOR TO NEW MANHOLE AND PIPE INSTALLATION

SHELTER CREEK DRIVE

URBAN LOCAL, DESIGN SPEED 25 MPH
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)

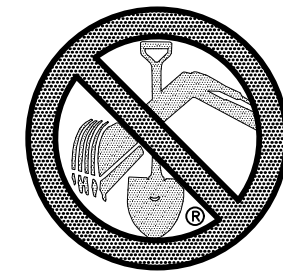
BEFORE YOU DIG CALL 811

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



- NOTE:
- CONTRACTOR TO CONFIRM INV ELEVATION OF EXISTING 8" PVC SS PRIOR TO NEW MANHOLE AND PIPE INSTALLATION
 - CONTRACTOR TO CONFIRM INV ELEVATION OF EXISTING 36" RCP PRIOR TO NEW MANHOLE AND PIPE INSTALLATION

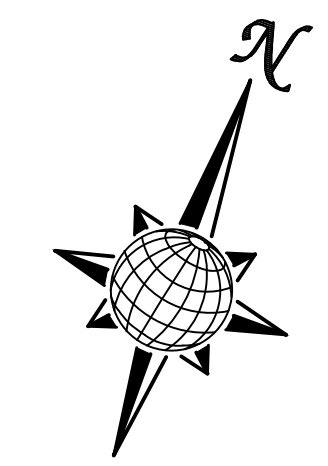
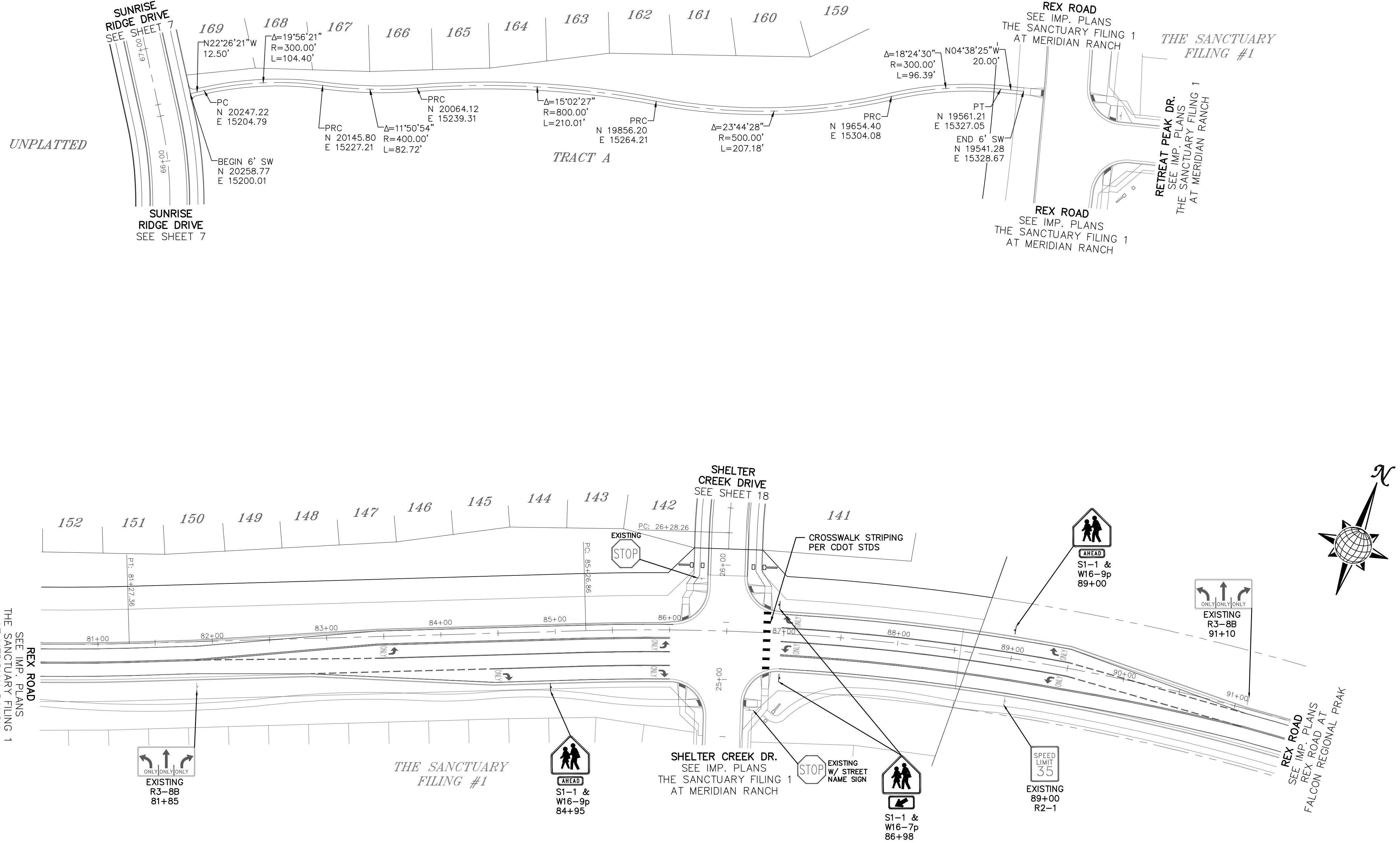
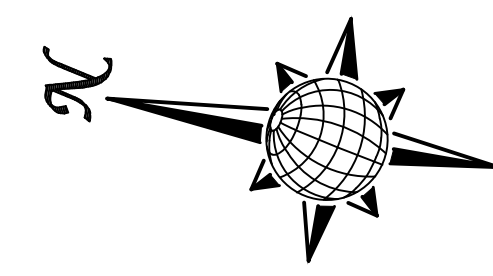
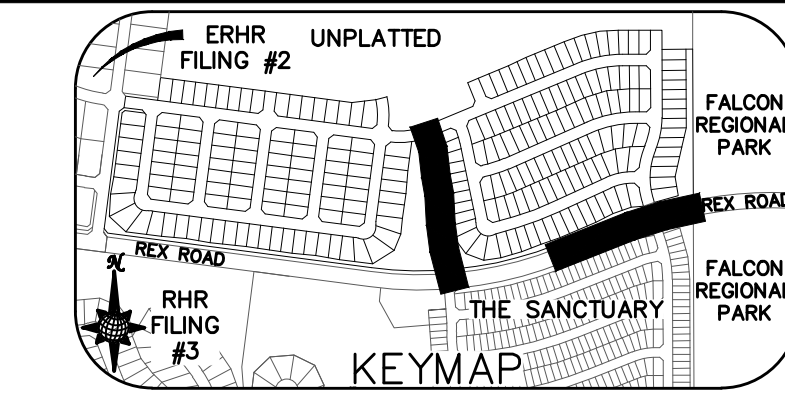
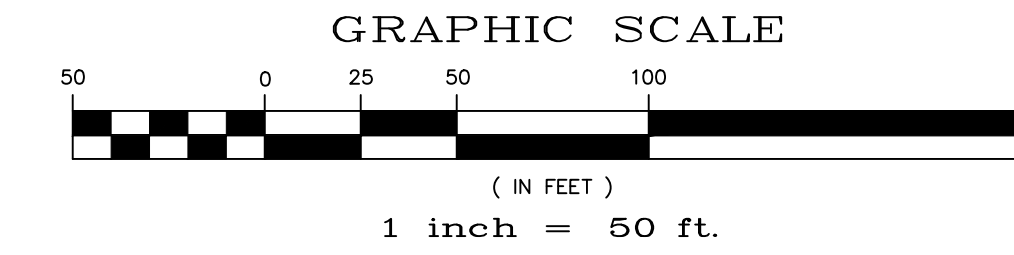
1	2	3	4	No.	Revisions	Date	Appr.
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444							
ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS SHELTER CREEK DRIVE					Drawn by: AS SHOWN Checked by: 18 Date: 37 NOVEMBER 2023		



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)

SIDEWALK & STRIPING PLAN



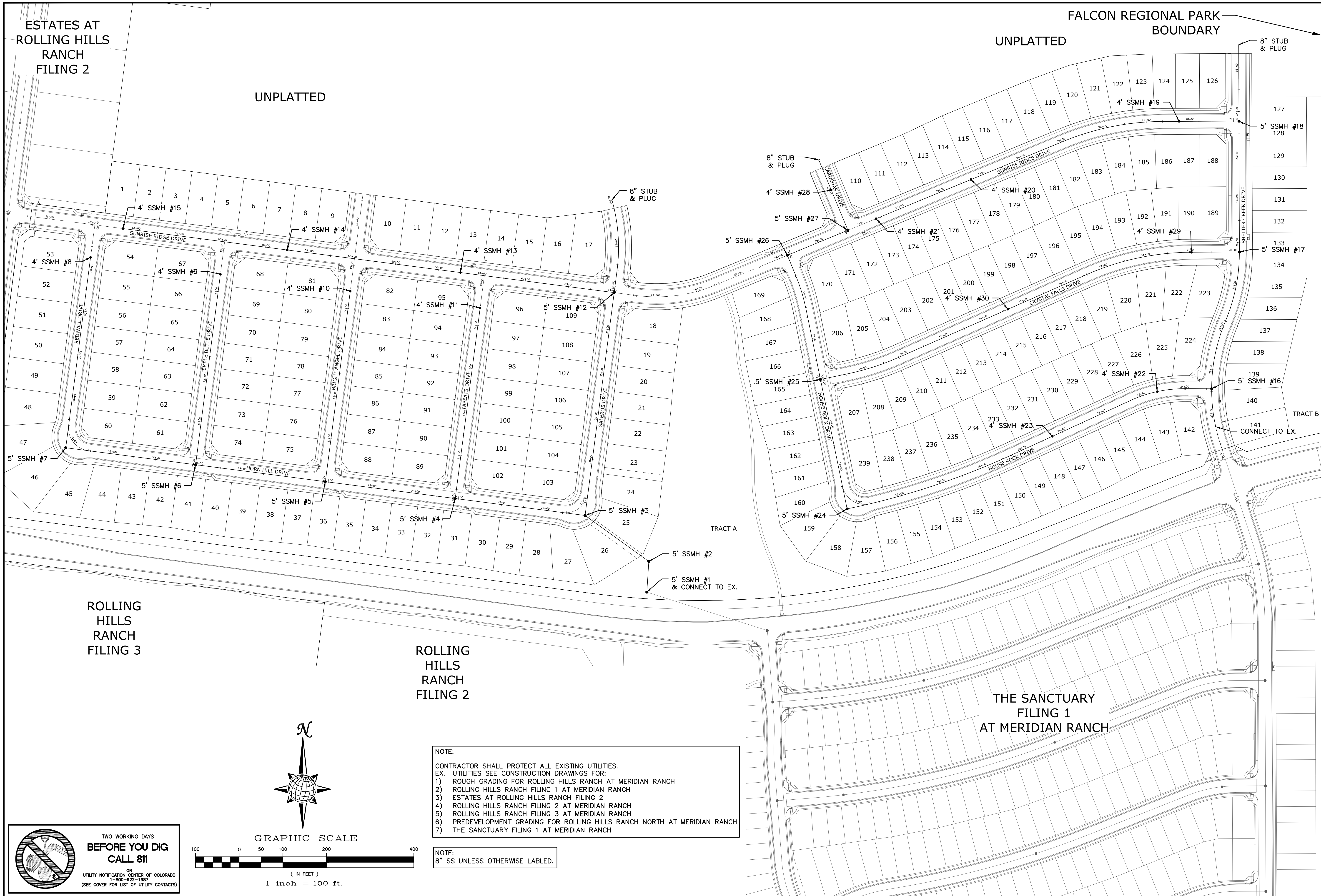
1	2	3	4	No.	Revisions	Date	Appr.	
TECH CONTRACTORS 11910 TOURMALINE DR, #130 FALCON, CO 80831 TELEPHONE: 719.495.7444				<p>MERIDIAN RANCH</p>				ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS SIDEWALK + STRIPING PLAN
Scale	AS SHOWN	19	of					
Drawn by	LOG	Checked by	TAK					

S:\OneDrive\Civil\Proj\Rolling Hills Ranch North Filing 1\DWG\PLAN SHEETS\Improvement Plans\02-RHR01.dwg, 1/9/2024 3:08:36 PM

ESTATES AT ROLLING HILLS RANCH FILING 2

UNPLATTED

FALCON REGIONAL PARK UNPLATTED BOUNDARY



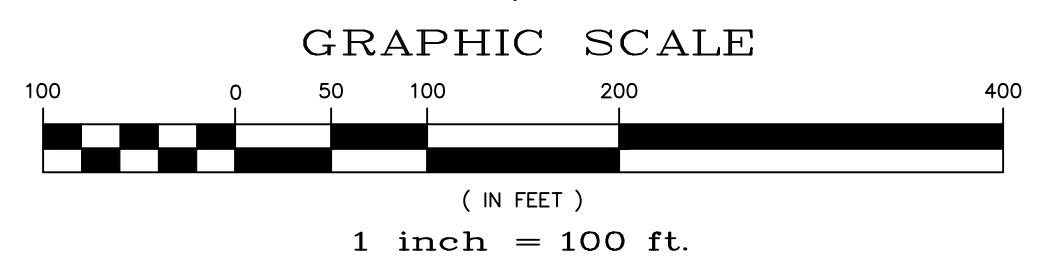
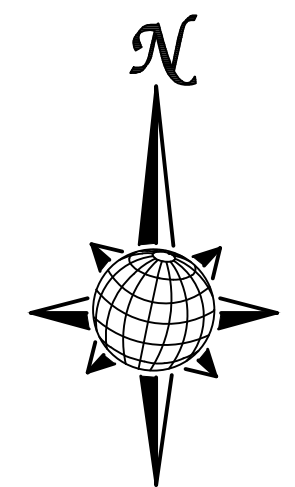
ROLLING HILLS RANCH FILING 3

ROLLING HILLS RANCH FILING 2

THE SANCTUARY FILING 1 AT MERIDIAN RANCH

NOTE:
 CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
 EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
 1) ROUGH GRADING FOR ROLLING HILLS RANCH AT MERIDIAN RANCH
 2) ROLLING HILLS RANCH FILING 1 AT MERIDIAN RANCH
 3) ESTATES AT ROLLING HILLS RANCH FILING 2
 4) ROLLING HILLS RANCH FILING 2 AT MERIDIAN RANCH
 5) ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH
 6) PREDEVELOPMENT GRADING FOR ROLLING HILLS RANCH NORTH AT MERIDIAN RANCH
 7) THE SANCTUARY FILING 1 AT MERIDIAN RANCH

NOTE:
 8" SS UNLESS OTHERWISE LABELED.



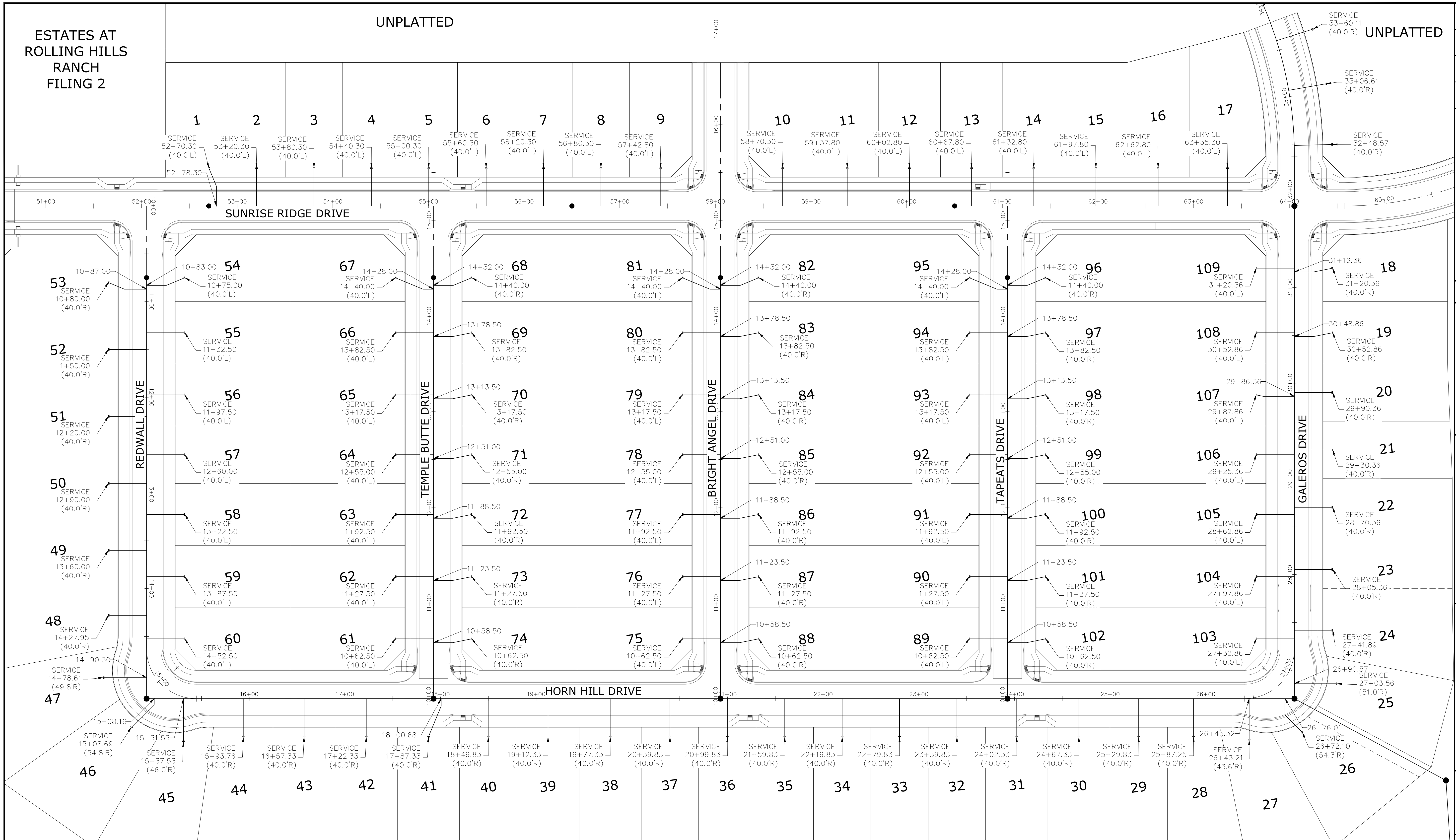
TWO WORKING DAYS BEFORE YOU DIG CALL 811
 OR
 UTILITY NOTIFICATION CENTER OF COLORADO
 1-800-822-1987
 (SEE COVER FOR LIST OF UTILITY CONTACTS)

TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444		MERIDIAN RANCH	
ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS		OVERALL SANITARY SEWER	
Scale	AS SHOWN	20 of 37	
Drawn by	LOG	Checked by	TAK
Date	NOVEMBER 2023		
No.	1	2	3
Revisions			
Date			
Appr.			

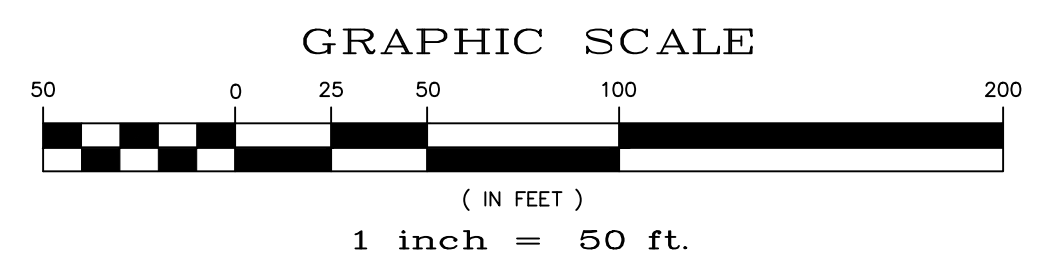
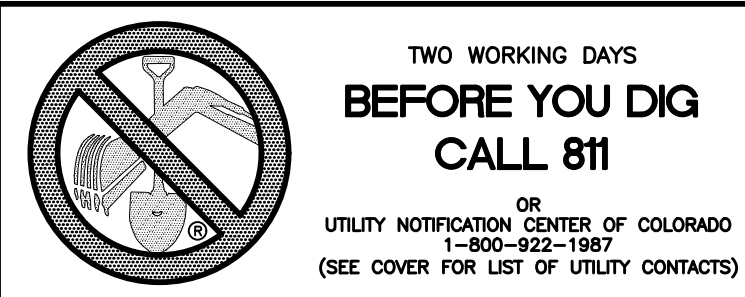
ESTATES AT
ROLLING HILLS
RANCH
FILING 2

UNPLATTED

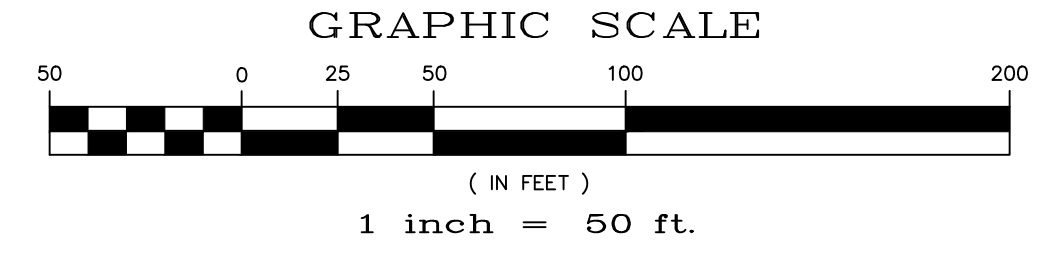
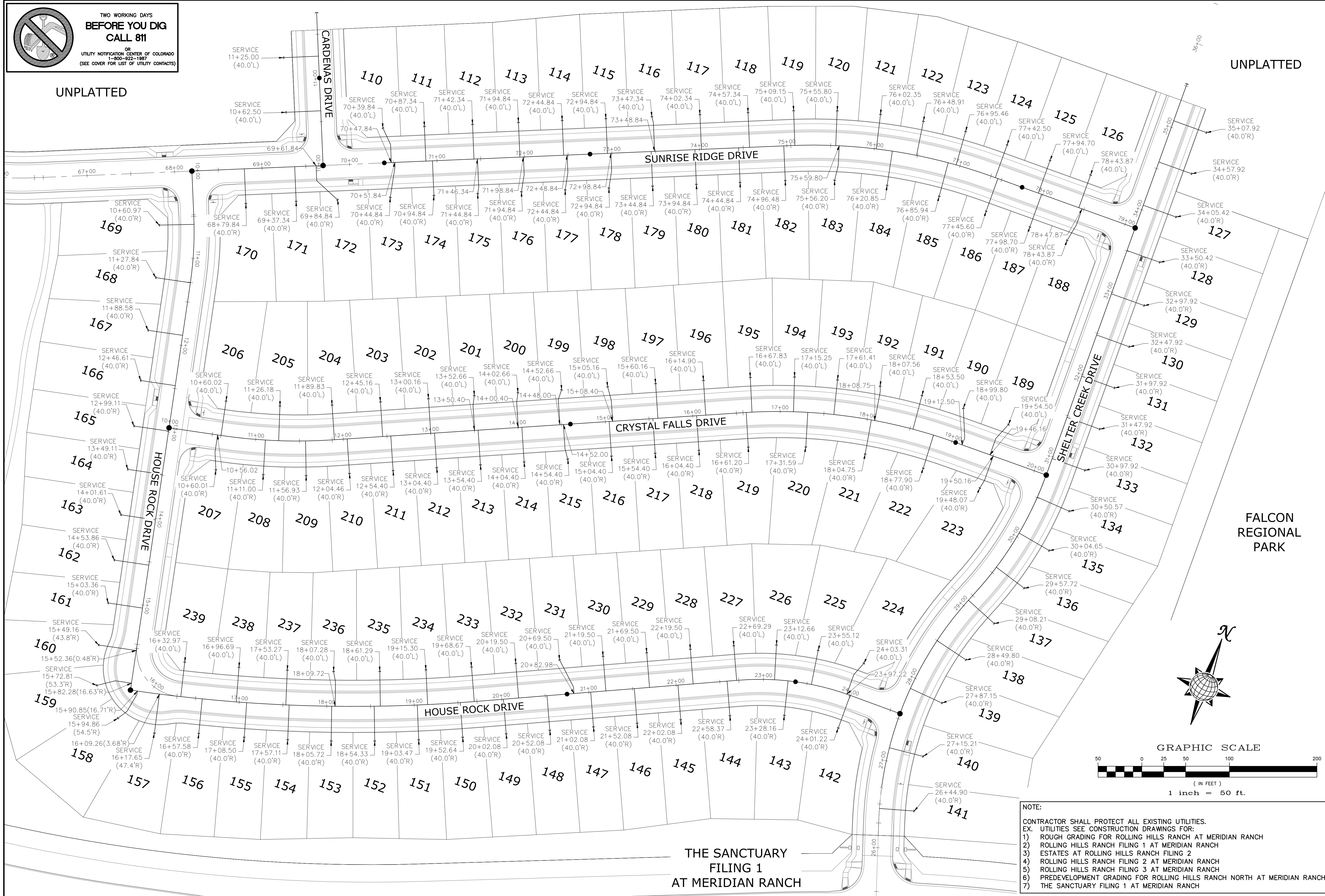
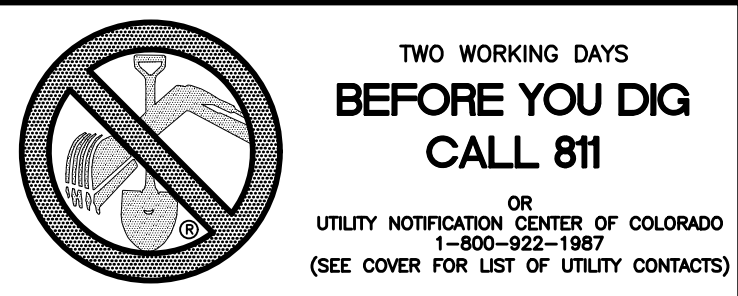
UNPLATTED



NOTE:
CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
1) ROUGH GRADING FOR ROLLING HILLS RANCH AT MERIDIAN RANCH
2) ROLLING HILLS RANCH FILING 1 AT MERIDIAN RANCH
3) ESTATES AT ROLLING HILLS RANCH FILING 2
4) ROLLING HILLS RANCH FILING 2 AT MERIDIAN RANCH
5) ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH
6) PREDEVELOPMENT GRADING FOR ROLLING HILLS RANCH NORTH AT MERIDIAN RANCH
7) THE SANCTUARY FILING 1 AT MERIDIAN RANCH



1	2	3	4	No.	Revisions
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444					
 MERIDIAN RANCH					
ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL SANITARY SEWER SERVICES					
Scale	AS SHOWN	Drawn by	Log	Checked by	TAK
				Date	NOVEMBER 2023
	21 of 37				
				Date	Appr.
				Date	Init.



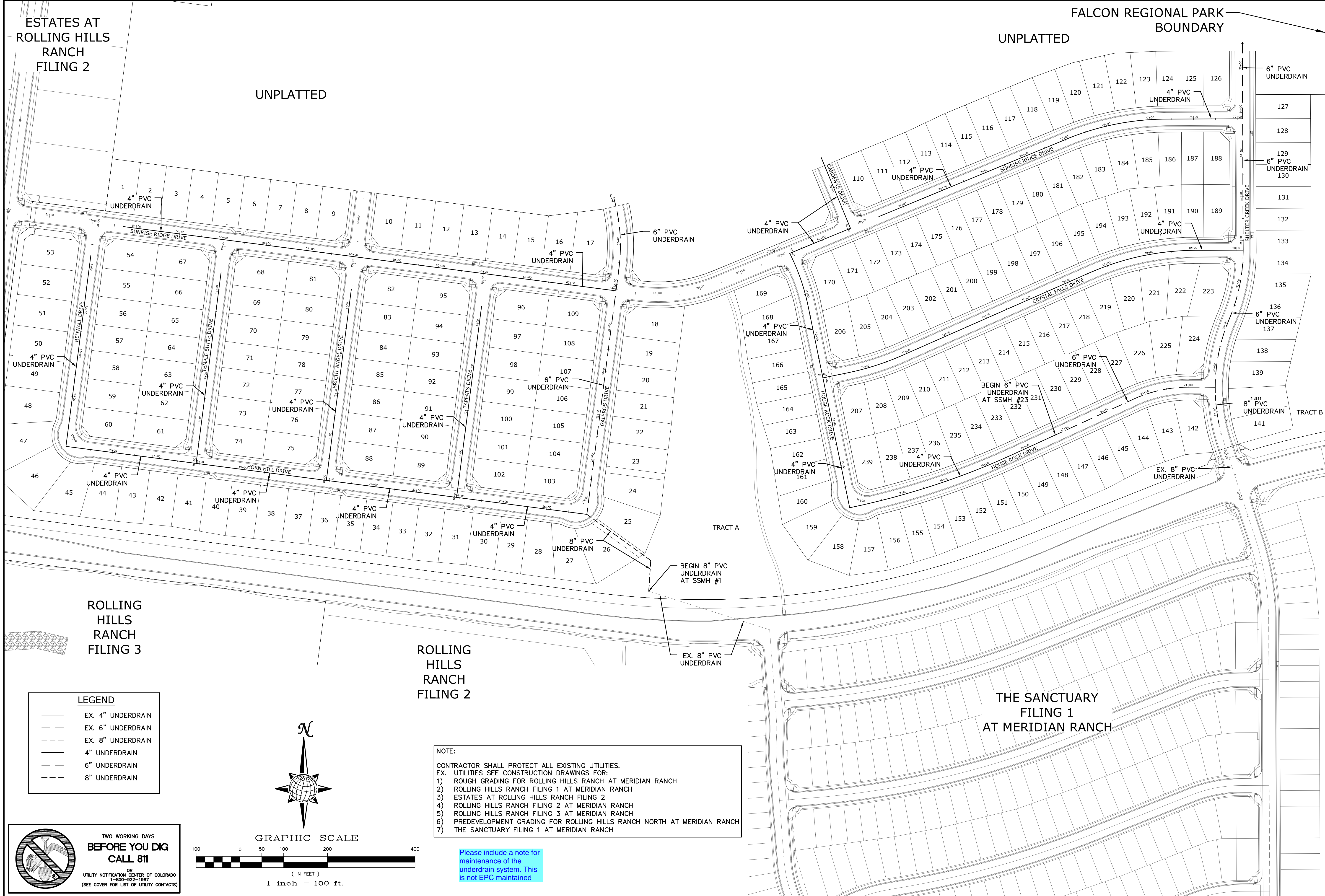
NOTE:
 CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
 EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
 1) ROUGH GRADING FOR ROLLING HILLS RANCH AT MERIDIAN RANCH
 2) ROLLING HILLS RANCH FILING 1 AT MERIDIAN RANCH
 3) ESTATES AT ROLLING HILLS RANCH FILING 2
 4) ROLLING HILLS RANCH FILING 2 AT MERIDIAN RANCH
 5) ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH
 6) PREDEVELOPMENT GRADING FOR ROLLING HILLS RANCH NORTH AT MERIDIAN RANCH
 7) THE SANCTUARY FILING 1 AT MERIDIAN RANCH

Scale		AS SHOWN		22 of 37	
Drawn by	LOG	Checked by	TAK	Date	NOVEMBER 2023
ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL SANITARY SEWER SERVICES					
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444					
				No.	Revisions
1	2	3	4	Date	Appr.

ESTATES AT ROLLING HILLS RANCH FILING 2

UNPLATTED

FALCON REGIONAL PARK UNPLATTED BOUNDARY



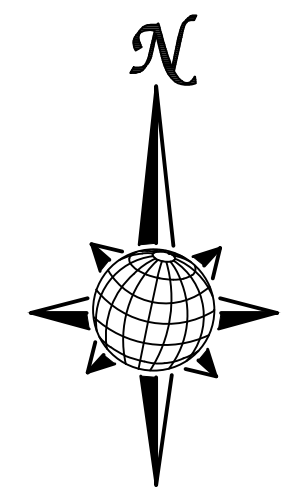
ROLLING HILLS RANCH FILING 3

ROLLING HILLS RANCH FILING 2

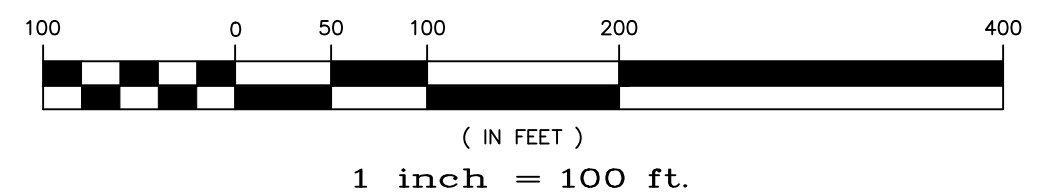
THE SANCTUARY FILING 1 AT MERIDIAN RANCH

LEGEND

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




GRAPHIC SCALE




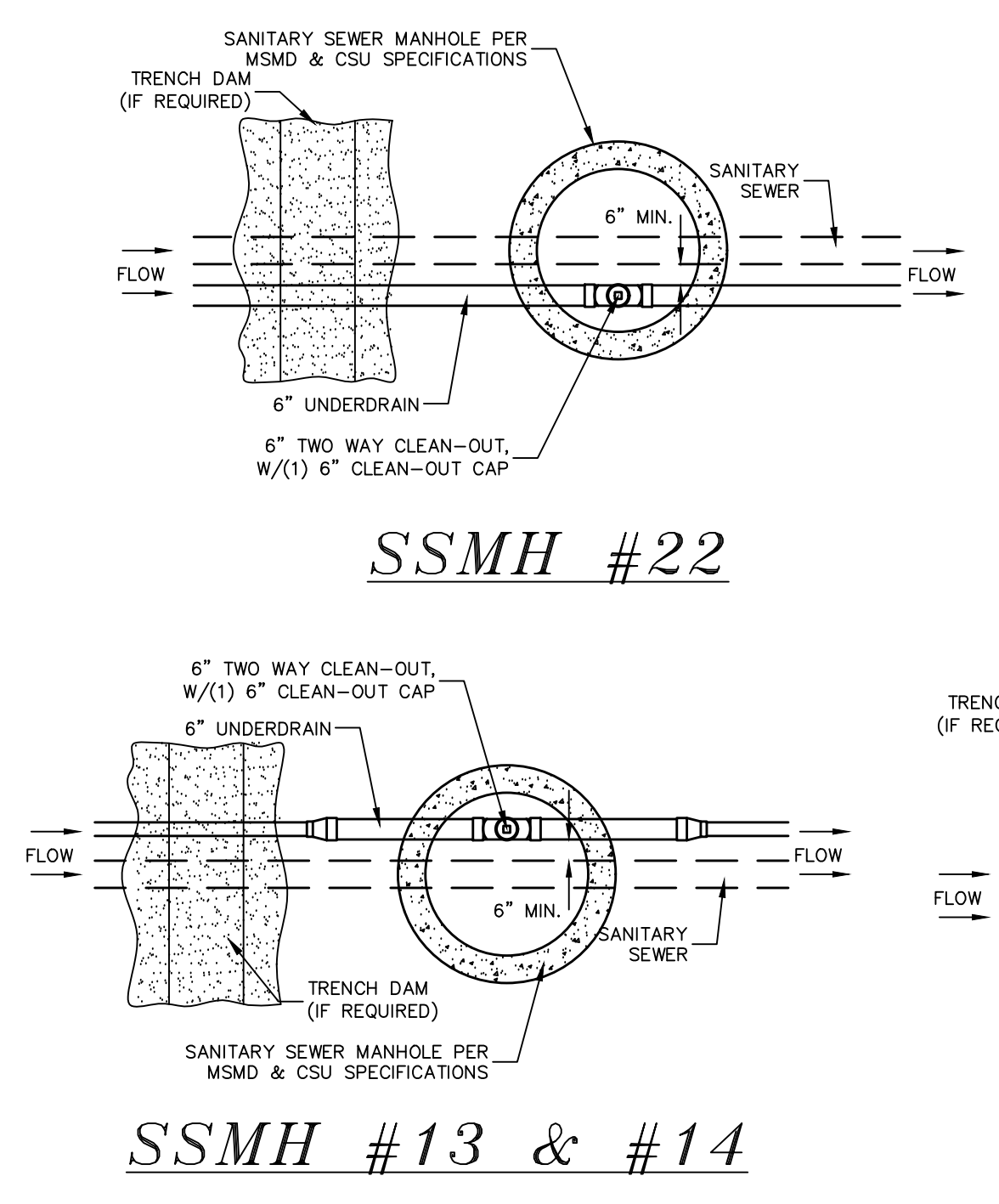
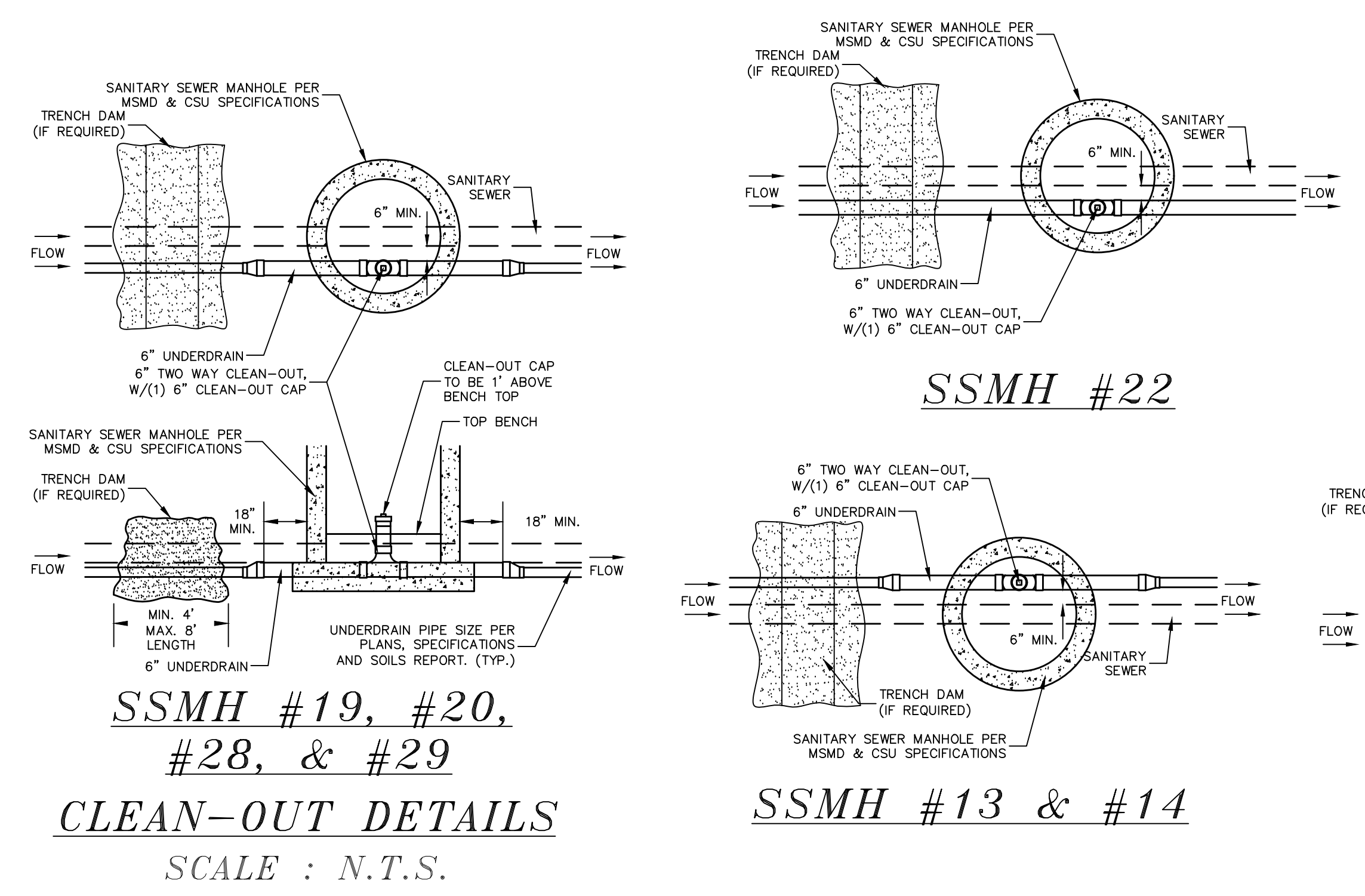
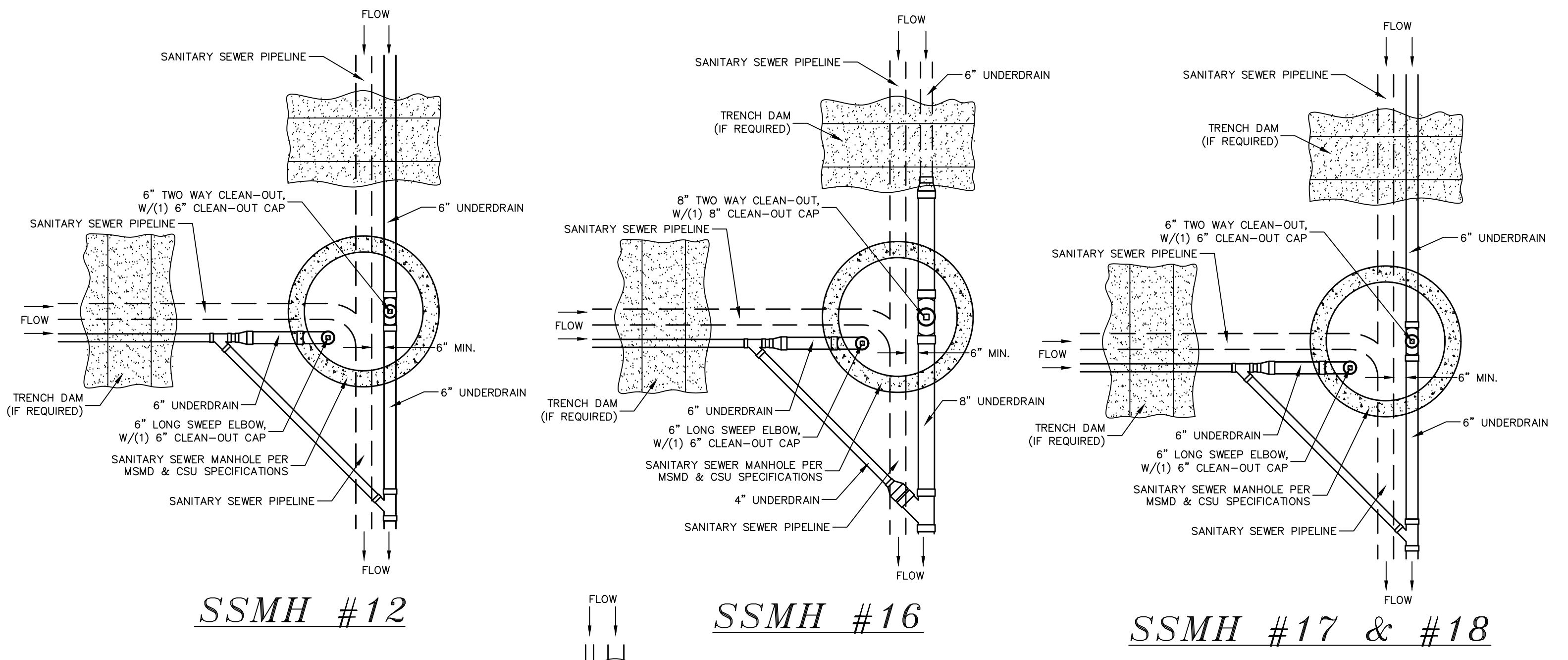
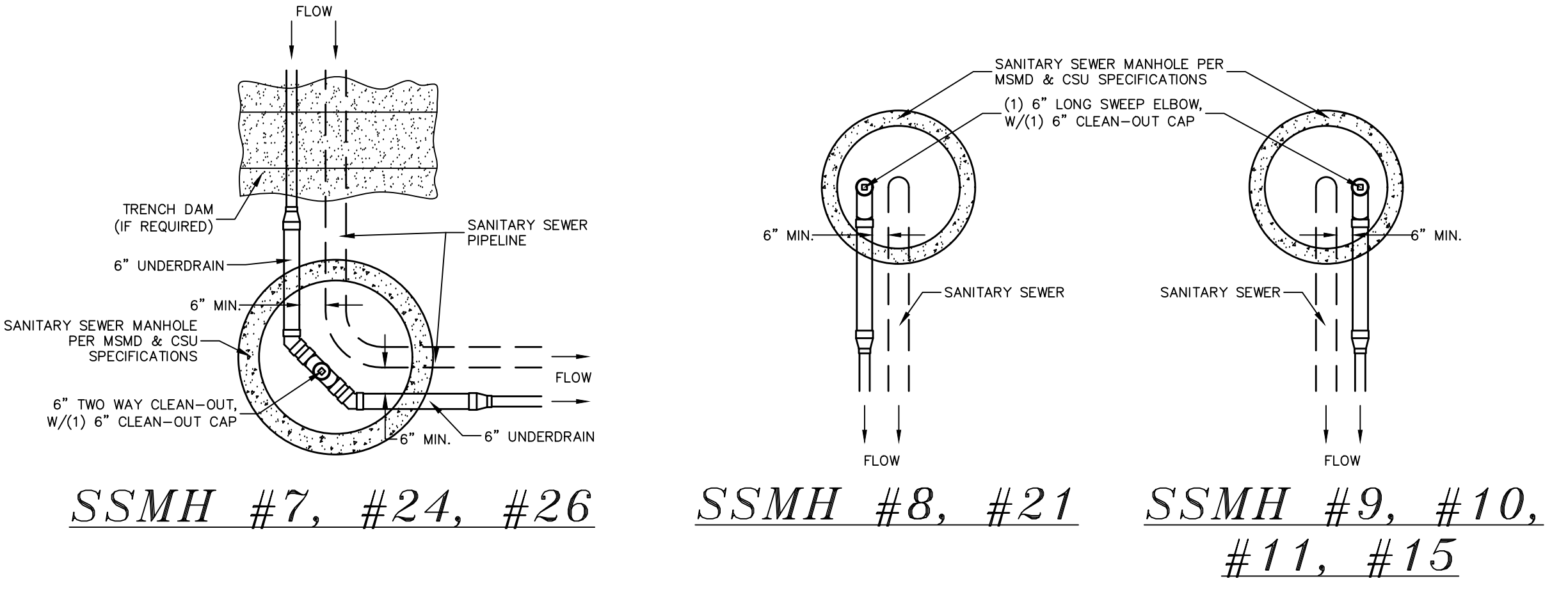
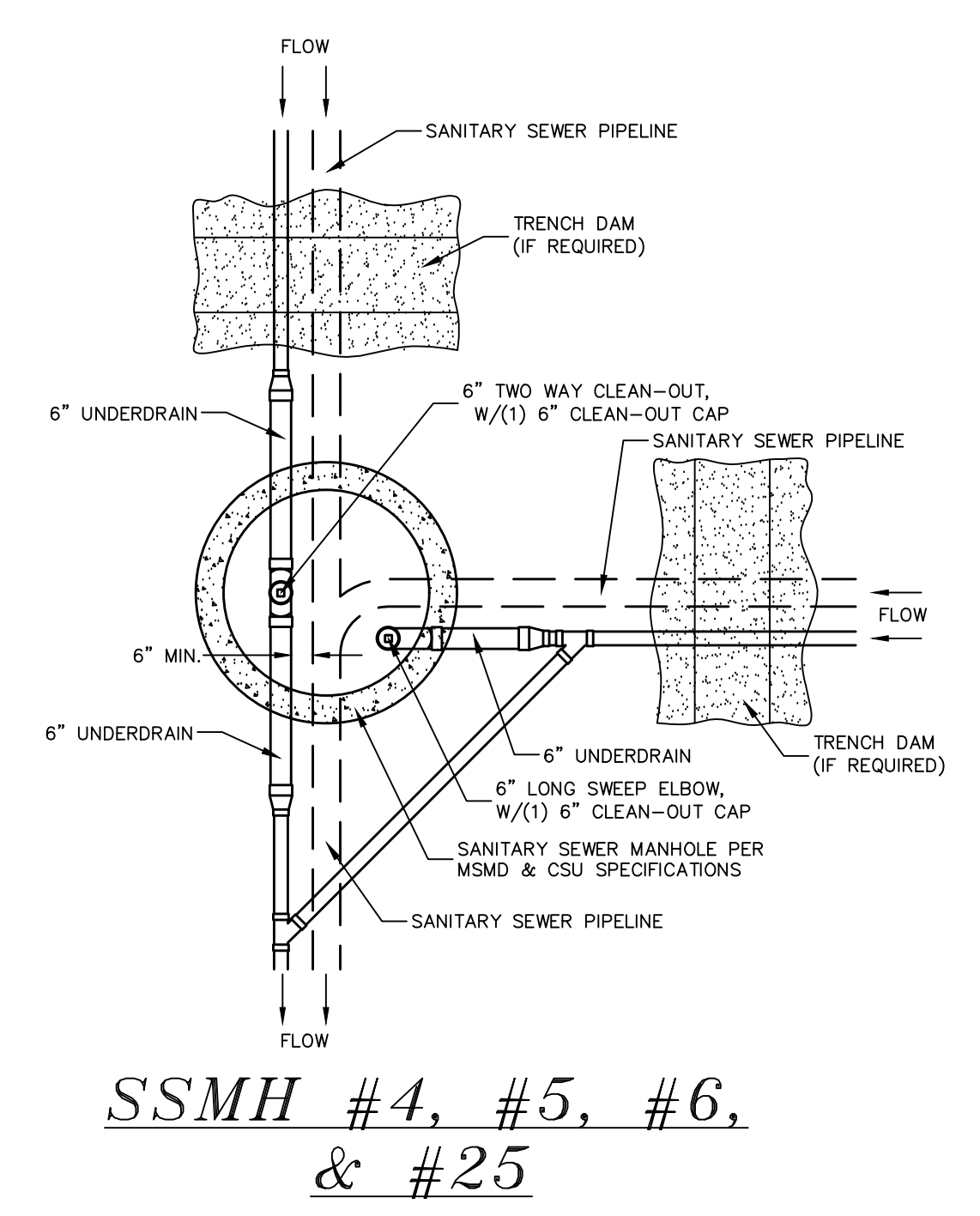
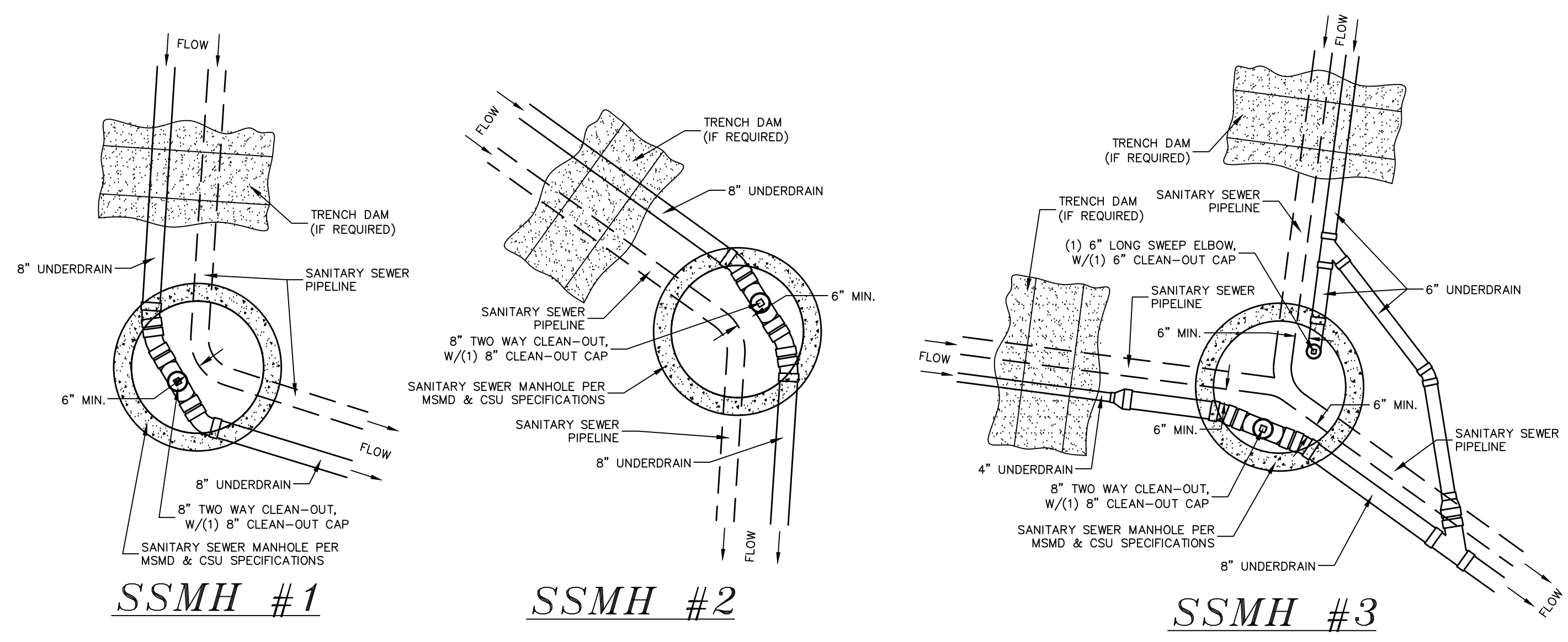
NOTE:
 CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
 EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
 1) ROUGH GRADING FOR ROLLING HILLS RANCH AT MERIDIAN RANCH
 2) ROLLING HILLS RANCH FILING 1 AT MERIDIAN RANCH
 3) ESTATES AT ROLLING HILLS RANCH FILING 2
 4) ROLLING HILLS RANCH FILING 2 AT MERIDIAN RANCH
 5) ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH
 6) PREDEVELOPMENT GRADING FOR ROLLING HILLS RANCH NORTH AT MERIDIAN RANCH
 7) THE SANCTUARY FILING 1 AT MERIDIAN RANCH

Please include a note for maintenance of the underdrain system. This is not EPC maintained



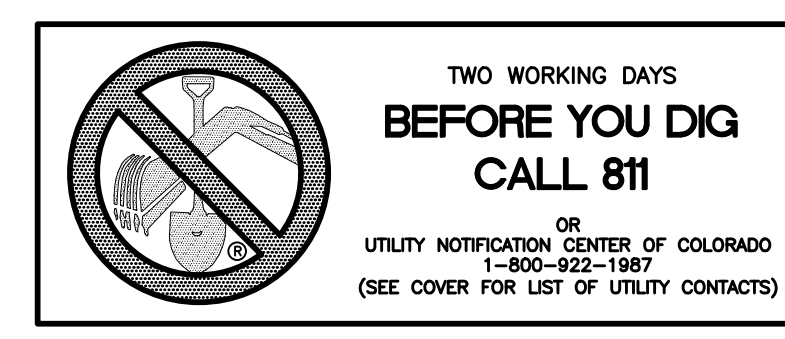
TWO WORKING DAYS
**BEFORE YOU DIG
 CALL 811**
 OR
 UTILITY NOTIFICATION CENTER OF COLORADO
 1-800-922-1987
 (SEE COVER FOR LIST OF UTILITY CONTACTS)

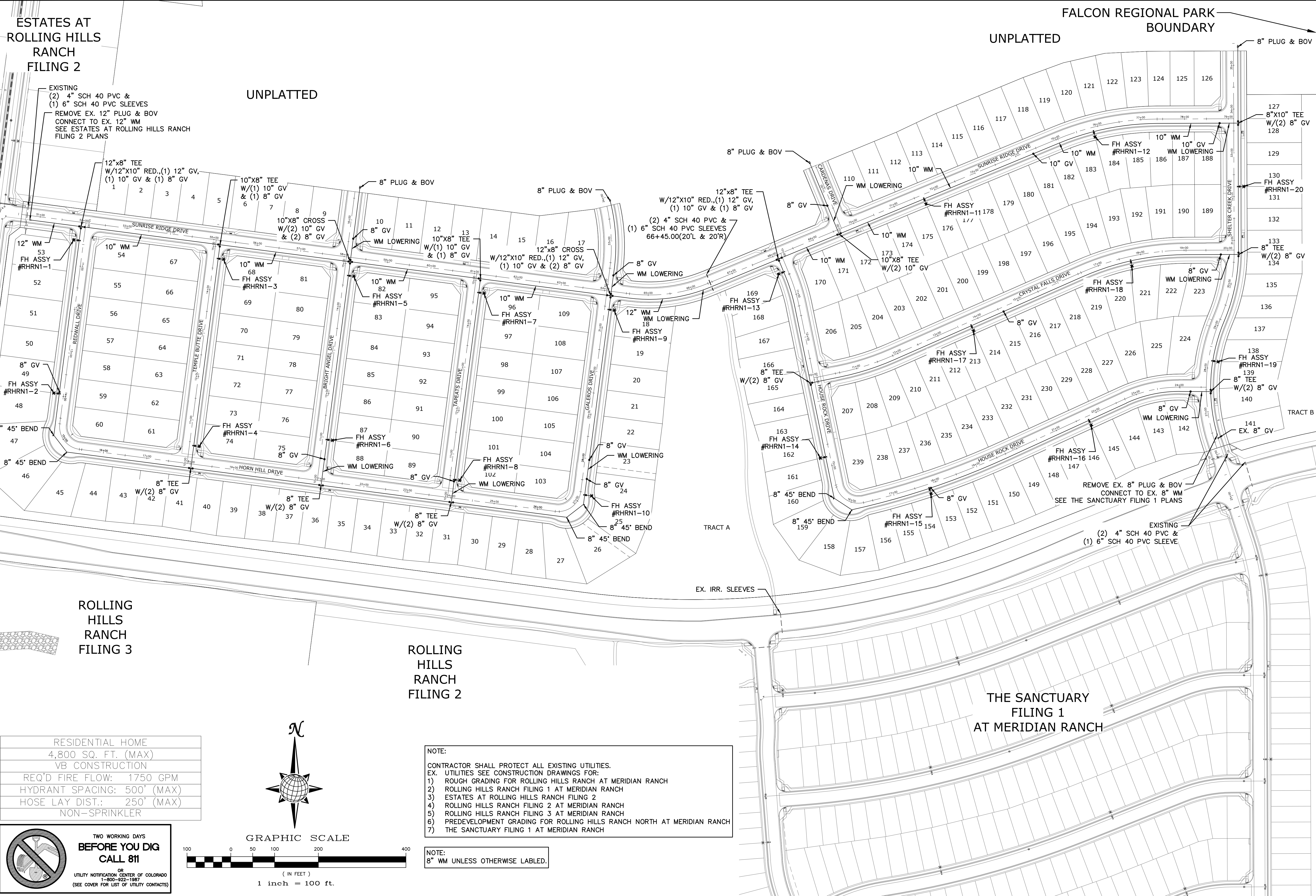
1		2		3		4	
No.		Revisions		Date		Appr.	
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444							
 MERIDIAN RANCH							
ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL UNDERDRAIN							
Drawn by	LOG	Checked by	TAK	Date	NOVEMBER 2023		
Scale	AS SHOWN		23 of 37				



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

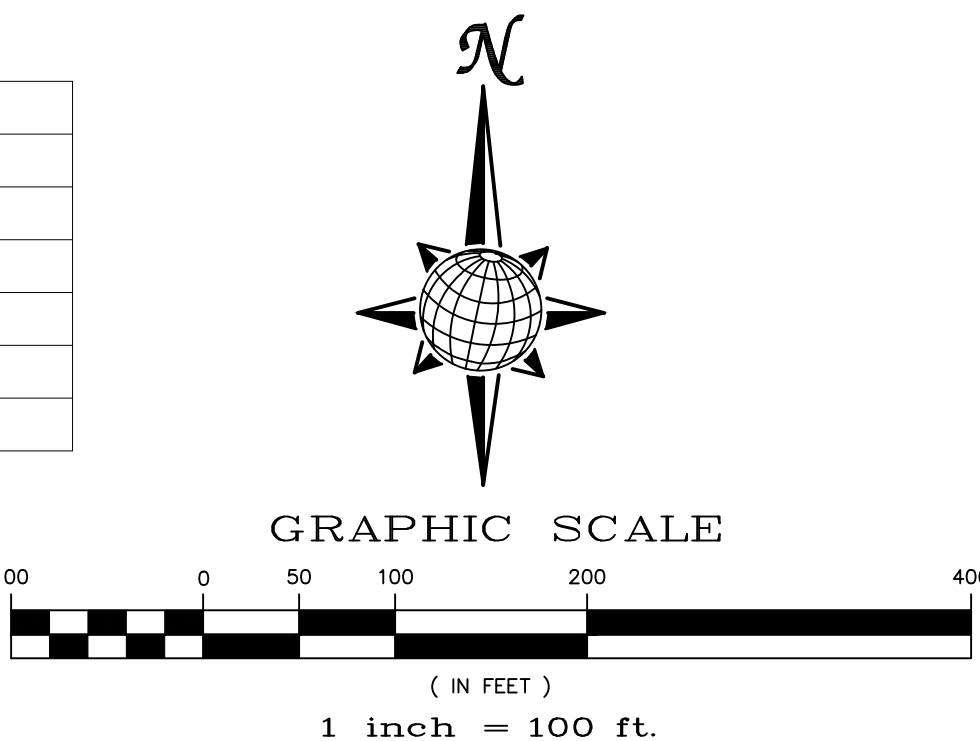
1	2	3	4	No.	Revisions	Date	Appr.
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444							
 MERIDIAN RANCH							
ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS UNDERDRAIN DETAILS							
Scale	AS SHOWN	Drawn by	LOG	Checked by	TAK	Date	NOVEMBER 2023
	24						
	of						
	37						





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

**TWO WORKING DAYS
 BEFORE YOU DIG
 CALL 811**
 OR
 UTILITY NOTIFICATION CENTER OF COLORADO
 1-800-422-1987
 (SEE COVER FOR LIST OF UTILITY CONTACTS)



NOTE:
 CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
 EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
 1) ROUGH GRADING FOR ROLLING HILLS RANCH AT MERIDIAN RANCH
 2) ROLLING HILLS RANCH FILING 1 AT MERIDIAN RANCH
 3) ESTATES AT ROLLING HILLS RANCH FILING 2
 4) ROLLING HILLS RANCH FILING 2 AT MERIDIAN RANCH
 5) ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH
 6) PREDEVELOPMENT GRADING FOR ROLLING HILLS RANCH NORTH AT MERIDIAN RANCH
 7) THE SANCTUARY FILING 1 AT MERIDIAN RANCH

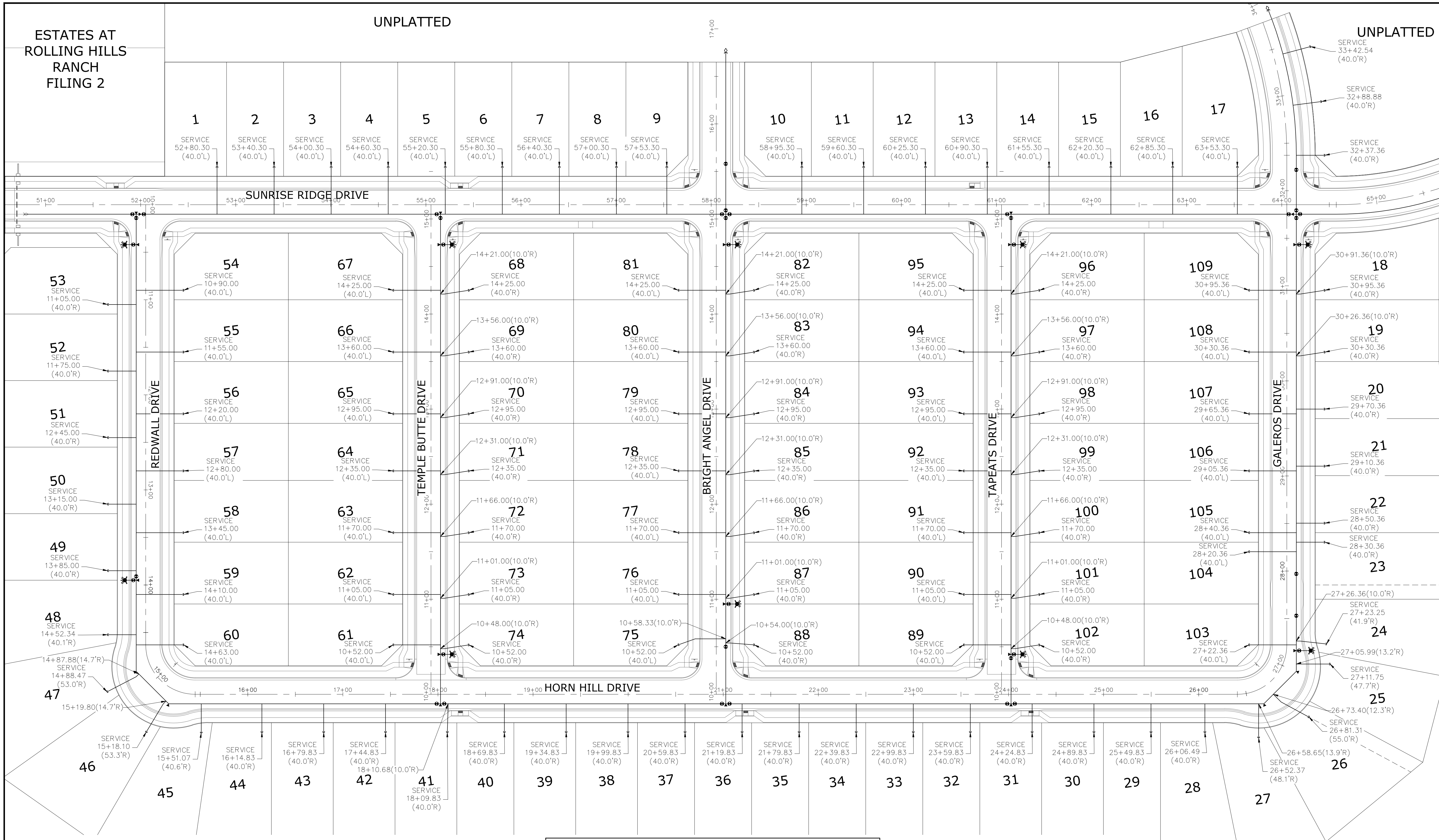
NOTE:
 8" WM UNLESS OTHERWISE LABELED.

1	2	3	4	No.	Revisions	Date	Appr.		
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444				 MERIDIAN RANCH				ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL WATER	
Drawn by	LOG	Checked by	TAK					Date	NOVEMBER 2023
				25	of	37			

ESTATES AT ROLLING HILLS RANCH FILING 2

UNPLATTED

UNPLATTED



No.	Revisions	Date	Init.	Appr.	Date
1					
2					
3					
4					

TECH CONTRACTORS
11910 TOURMALINE DR. #130
FALCON, CO 80831
TELEPHONE: 719.495.7444

MERIDIAN RANCH

ROLLING HILLS RANCH NORTH FILING 1
AT MERIDIAN RANCH
STREET AND UTILITY PLANS
OVERALL WATER SERVICES

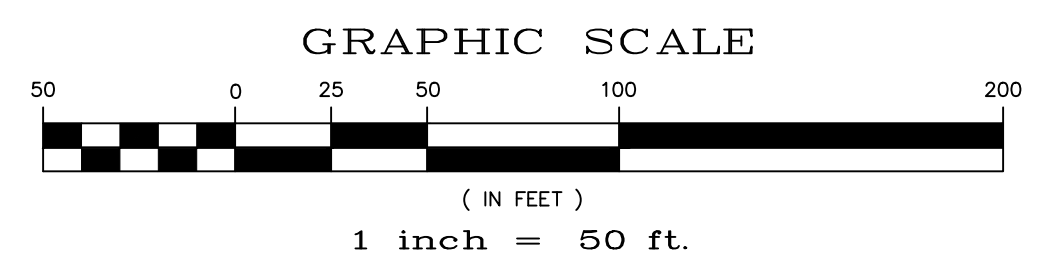
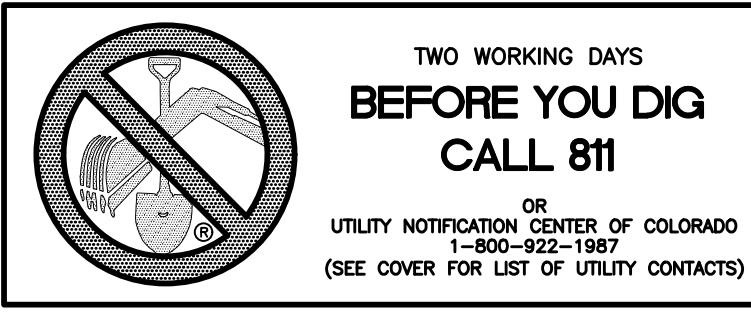
Drawn by	Log	Checked by	TAK	Date
AS SHOWN				NOVEMBER 2023

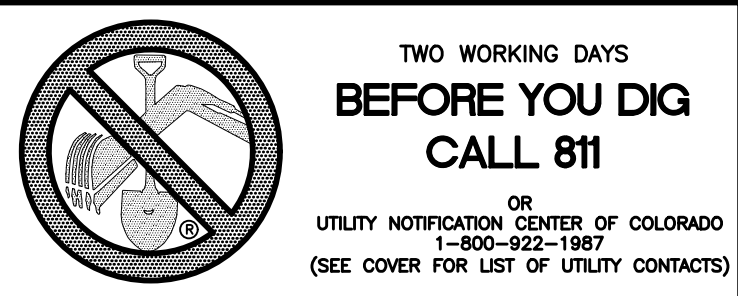
Scale 26 of 37

NOTE:
CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
1) ROUGH GRADING FOR ROLLING HILLS RANCH AT MERIDIAN RANCH
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3) ESTATES AT ROLLING HILLS RANCH FILING 2
4) ROLLING HILLS RANCH FILING 2 AT MERIDIAN RANCH
5) ROLLING HILLS RANCH FILING 3 AT MERIDIAN RANCH
6) PREDEVELOPMENT GRADING FOR ROLLING HILLS RANCH NORTH AT MERIDIAN RANCH
7) THE SANCTUARY FILING 1 AT MERIDIAN RANCH

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

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



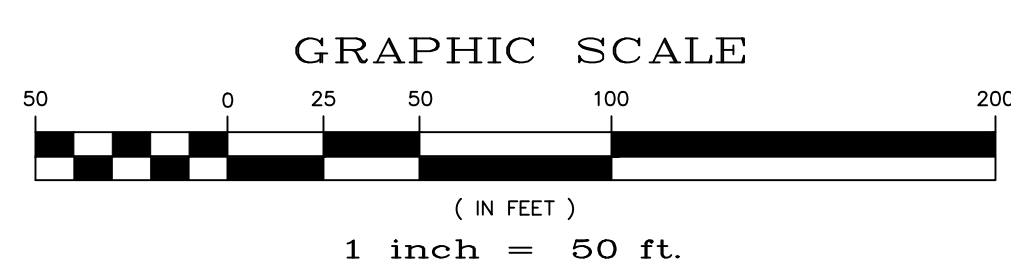
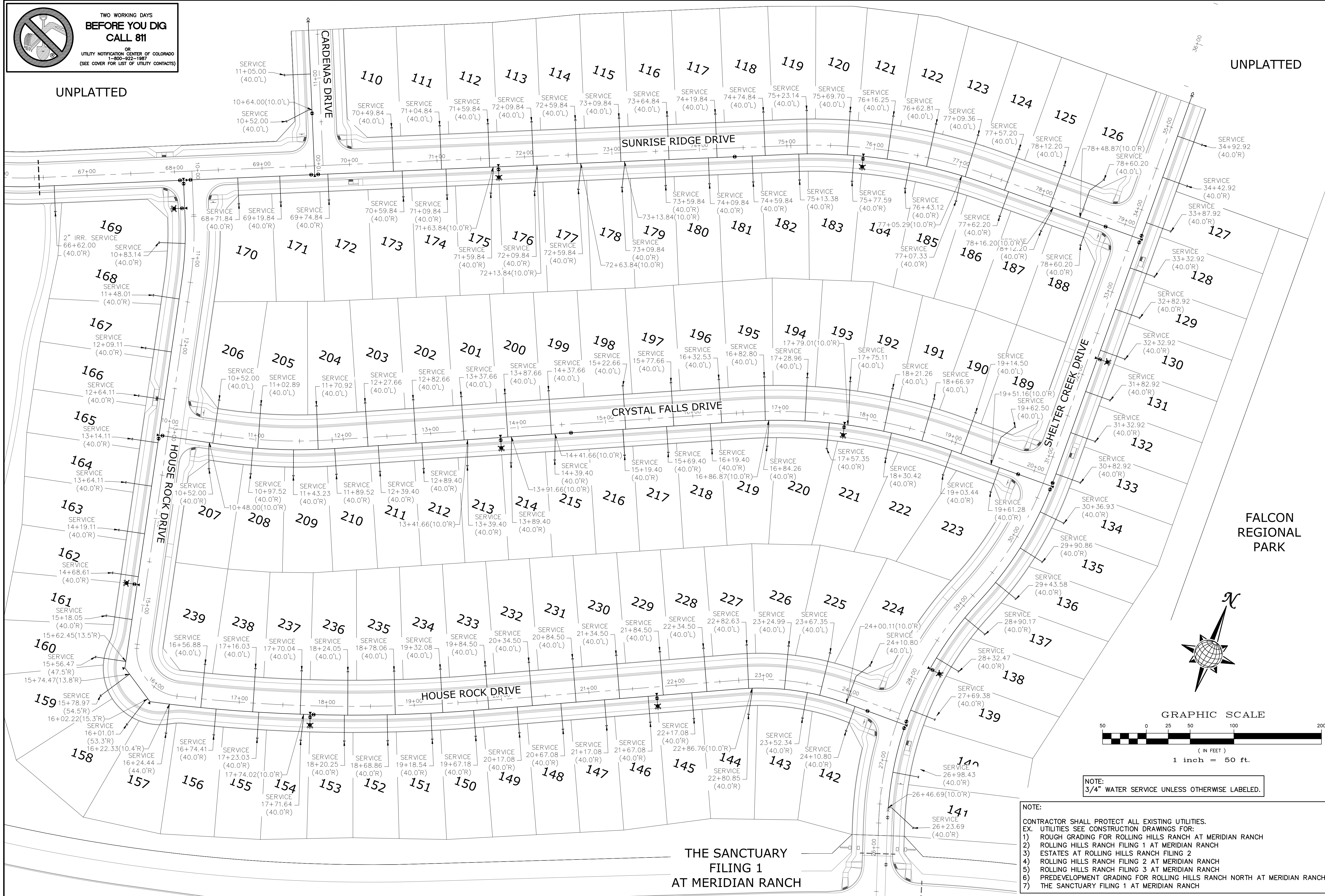


**TWO WORKING DAYS
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OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

UNPLATTED

UNPLATTED

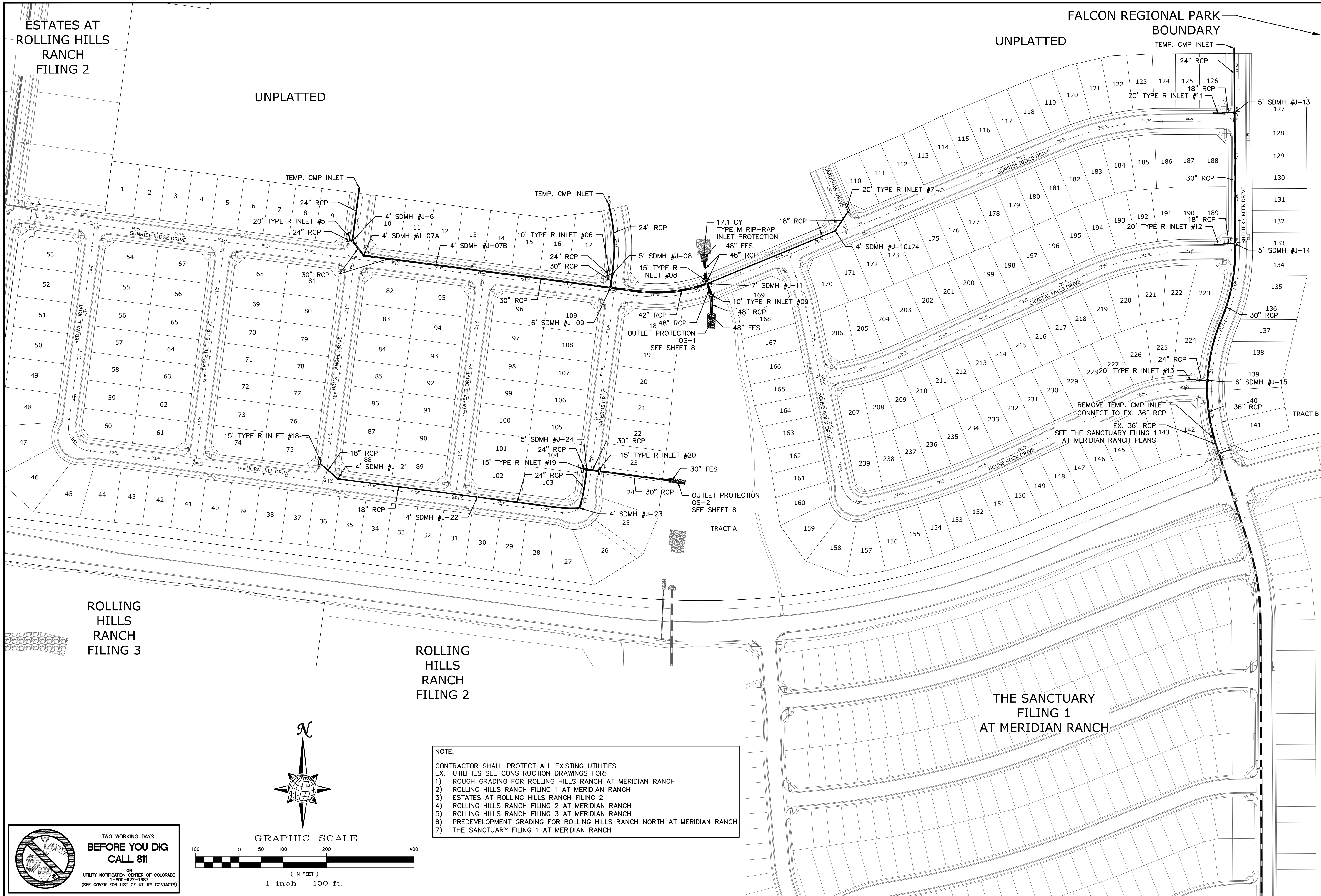


NOTE:
3/4" WATER SERVICE UNLESS OTHERWISE LABELED.

NOTE:
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EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
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7) THE SANCTUARY FILING 1 AT MERIDIAN RANCH

Scale	AS SHOWN	27 of 37	Date	NOVEMBER 2023
Drawn by	LOG	Checked by	TAK	
ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL WATER SERVICES				
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444				
MERIDIAN RANCH				
FALCON REGIONAL PARK				
UNPLATTED				
No.	1	2	3	4
Revisions				
Date				
Appr.				

**THE SANCTUARY
FILING 1
AT MERIDIAN RANCH**



ESTATES AT ROLLING HILLS RANCH FILING 2

UNPLATTED

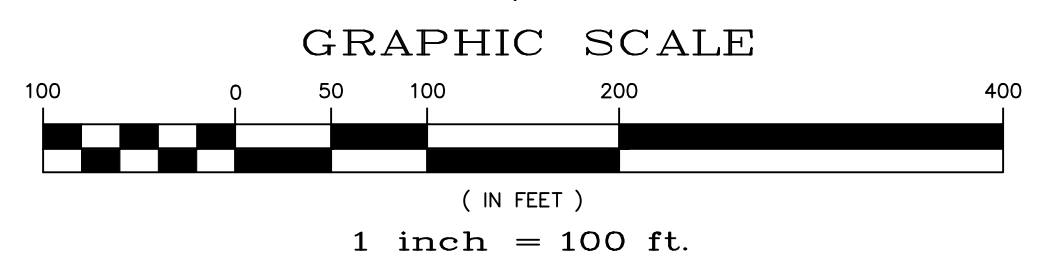
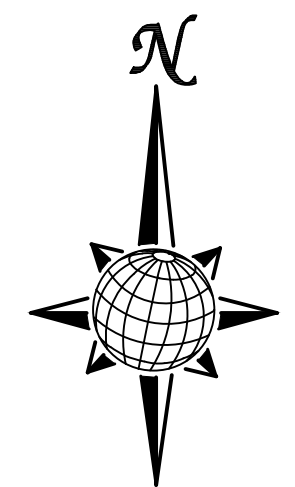
FALCON REGIONAL PARK UNPLATTED BOUNDARY

TEMP. CMP INLET

ROLLING HILLS RANCH FILING 3

ROLLING HILLS RANCH FILING 2

THE SANCTUARY FILING 1 AT MERIDIAN RANCH



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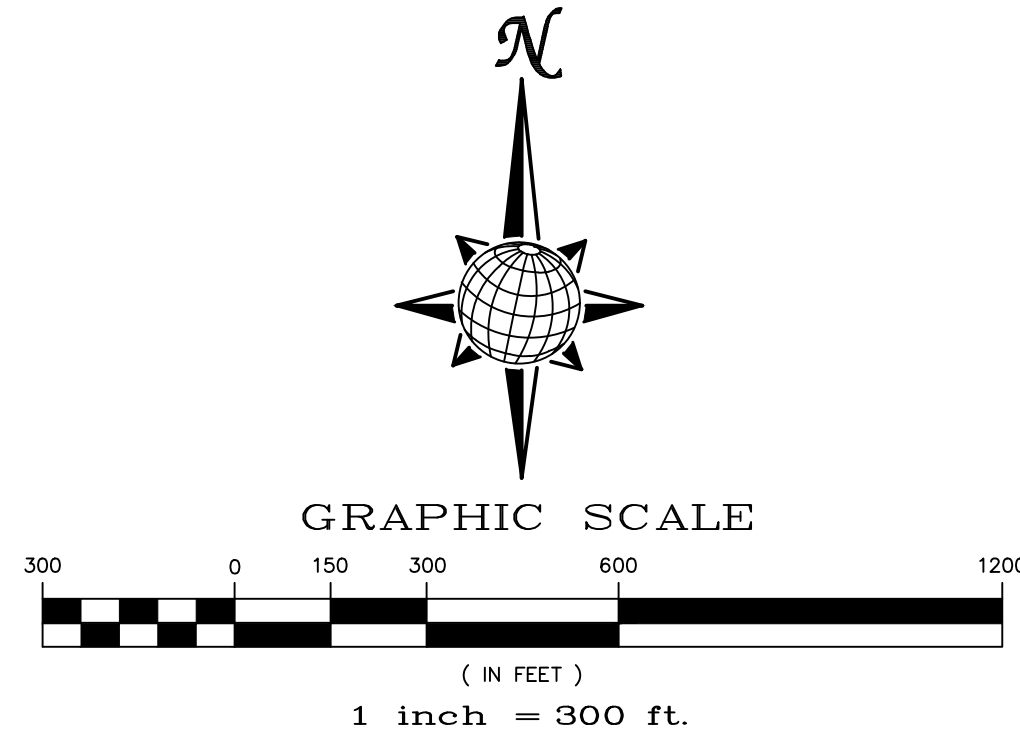
TWO WORKING DAYS BEFORE YOU DIG CALL 811
 OR
 UTILITY NOTIFICATION CENTER OF COLORADO
 1-800-822-1987
 (SEE COVER FOR LIST OF UTILITY CONTACTS)

1	2	3	4	No.	Revisions	Date	Appr.	
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444				MERIDIAN RANCH				
ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH STREET AND UTILITY PLANS				OVERALL STORM DRAIN				
Scale	AS SHOWN	Drawn by	LOG	Checked by	TAK	Date	NOVEMBER 2023	
	28 of 37							

EL PASO COUNTY STANDARD NOTES:

- 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. MANAGEMENT OF THE SWMP DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QUALIFIED STORMWATER MANAGER OR CERTIFIED EROSION CONTROL INSPECTOR. THE SWMP 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 IS APPROVED AND A "NOTICE TO PROCEED" HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED 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 STAFF.
- CONTROL MEASURES MUST BE INSTALLED PRIOR COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, AND DISTURBED LAND AREAS SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF THE DISTURBANCE.
- ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE ACTIVITIES SHALL ASSESS THE ADEQUACY OF CONTROL MEASURES AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CONTROL MEASURES ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CONTROL MEASURES. ALL CHANGES TO TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MUST BE INCORPORATED INTO THE STORMWATER MANAGEMENT PLAN.
- TEMPORARY STABILIZATION SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.
- FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES ARE COMPLETE AND ALL DISTURBED AREAS EITHER HAVE A UNIFORM VEGETATIVE COVER WITH INDIVIDUAL PLANT DENSITY OF 70 PERCENT OF PRE-DISTURBANCE LEVELS, ESTABLISHED OR EQUIVALENT PERMANENT ALTERNATIVE STABILIZATION METHOD IS IMPLEMENTED. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED UPON FINAL STABILIZATION AND BEFORE PERMIT CLOSURE.
- ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT EFFECT THE DESIGN OR FUNCTION OF PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
- EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE 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. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A WATERS OF THE STATE UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED.
- COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES OR WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF COMPACTION PREVENTION IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, ALL AREAS DESIGNATED FOR INFILTRATION AND VEGETATION CONTROL MEASURES MUST BE LOOSENEED PRIOR TO INSTALLATION OF THE CONTROL MEASURE(S).
- ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF SITE.
- CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUTS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK OR STREAM.
- DURING DEWATERING OPERATIONS OF UNCONTAMINATED GROUND WATER MAY BE DISCHARGED ON SITE, BUT SHALL NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF UNLESS AN APPROVED STATE DEWATERING PERMIT IS IN PLACE.
- EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
- 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.
- 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. CONTROL MEASURES MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
- TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
- THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEMS 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 CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ONSITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
- BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPILLS ONSITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR OTHER FACILITIES.
- NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
- OWNER/DEVELOPER AND THEIR AGENTS 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 OF THE LAND DEVELOPMENT CODE, DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (1041, NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.
- PRIOR TO CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
- A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
- THE SOILS REPORTS FOR THIS SITE ARE ROLLING HILLS RANCH NORTH FILING 1 & 2 DATED APRIL 20, 2022 AND ROLLING HILLS RANCH DATED JULY 15, 2019 BOTH HAVE 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 ONE (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



Show existing silt fence from Stage 1 on plans.

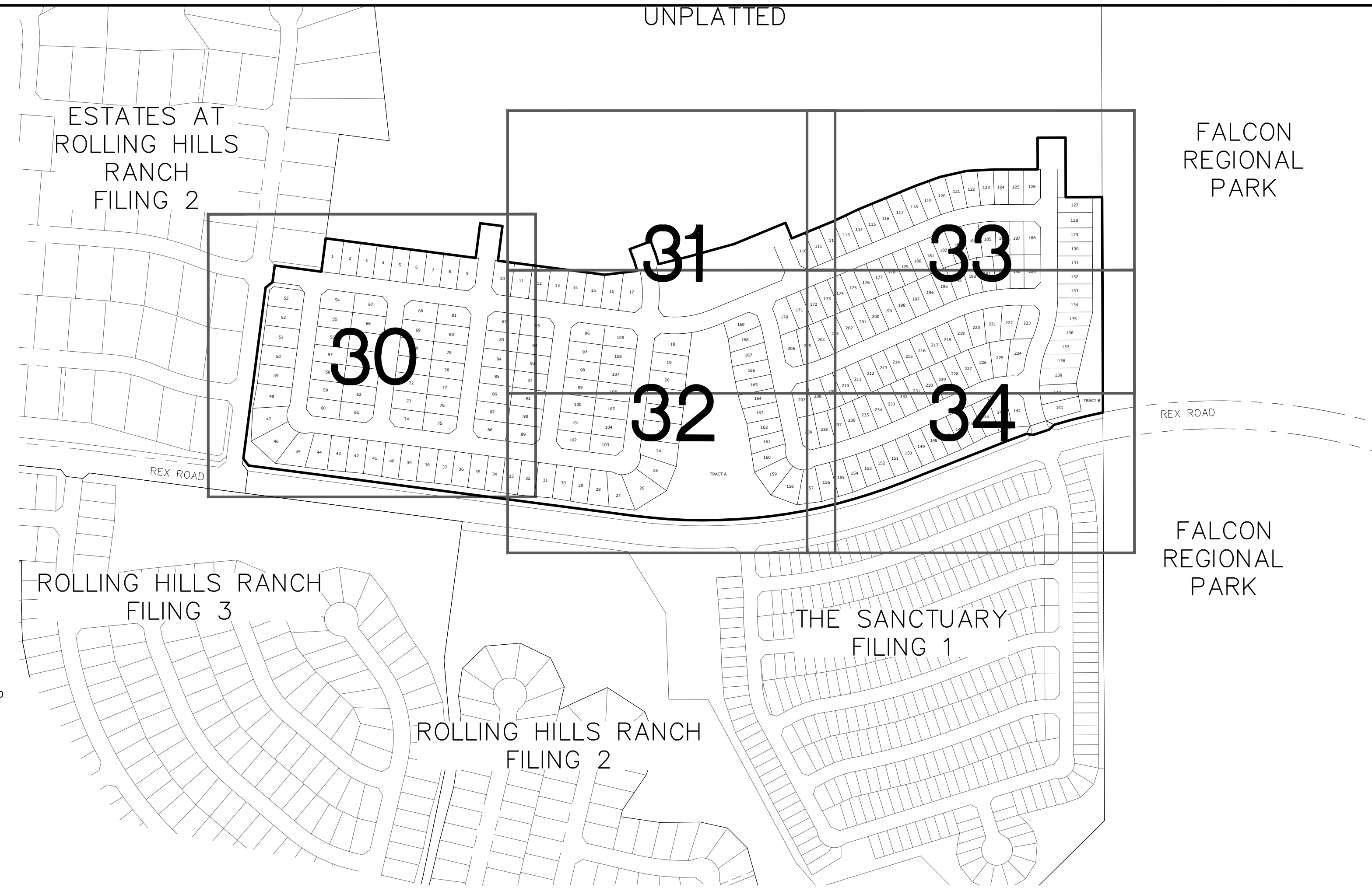
show permanent seeding on plans and in legend.

Stage	Description	Control Measures	Begin Date	End Date
Stage 1	Overlot Grading	Silt fence & VTC Temporary Sed. Basins Swale Checks as needed Surface Roughening	June 2022	August 2022
Stage 2	Underground utilities Surface Improvements	Perimeter Control Inlet Protection	June 2024	August 2025
Stage 3	Home Construction	Inlet Protection Individual Lot Perimeter Control	August 2025	November 2026
Final Stabilization	Permit Close	Final Stabilization Permanent Seeding Permanent Measures	November 2026	

EARTHWORK QUANTITIES

NET YARDS	BALANCE	
TOTAL STRIPPINGS	0.11 AC.	60 CY
	CUT	FILL
NET YARDS	2,590 CY	8,182 CY

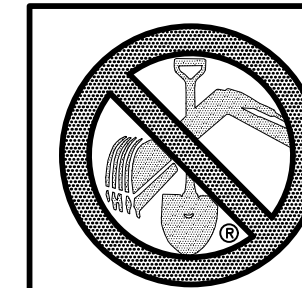
20% COMPACTION FACTOR
NOTE: FILL WILL BE GENERATED FROM UTILITY INSTALLATION.



GEC Checklist Item bb - show all existing permanent storm water management facilities (show location of Pond G since it is providing treatment for the site).

NOTE:

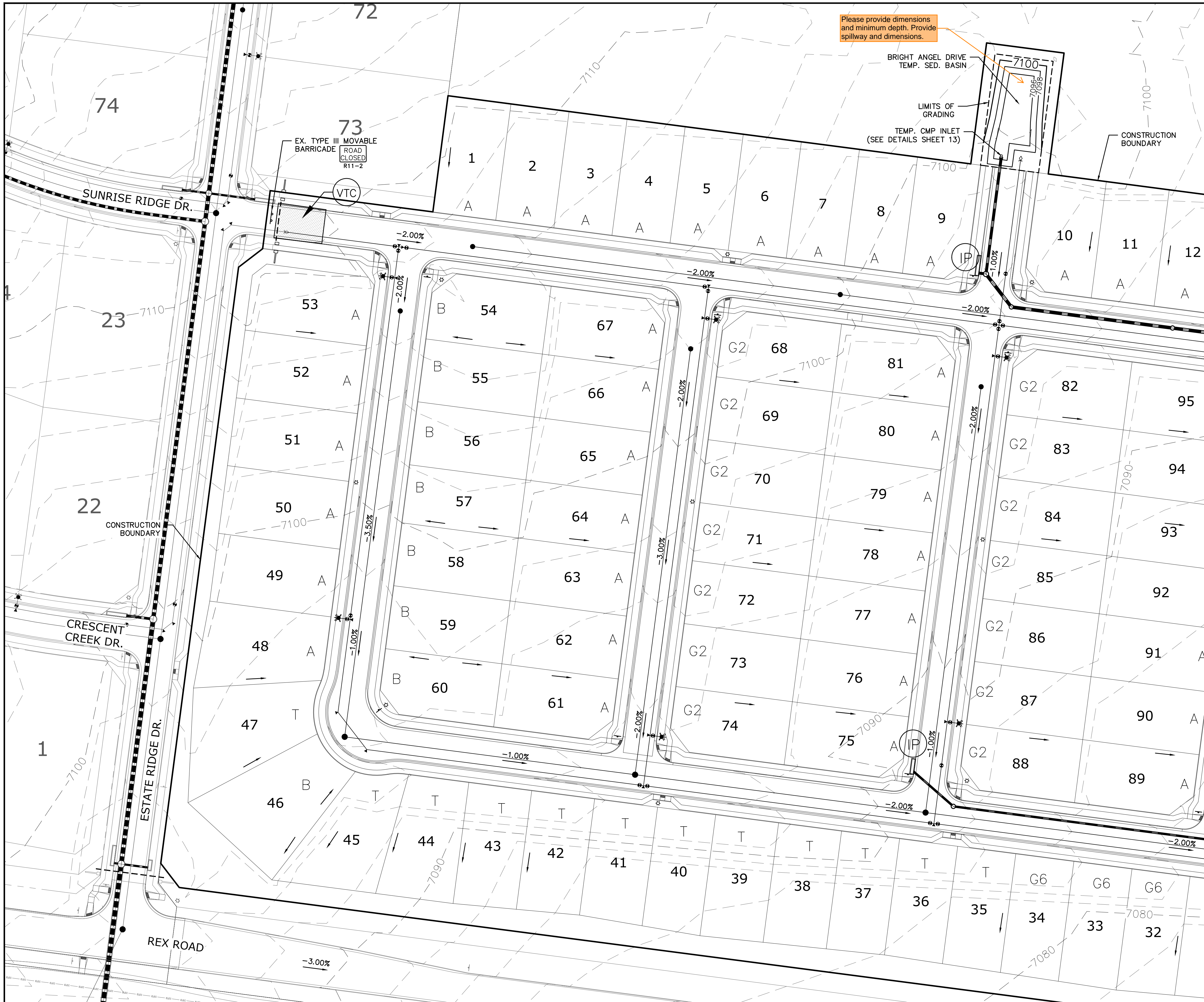
- EXISTING VEGETATION ON THE PROJECT SITE AND THE IN SURROUNDING AREAS CONSISTS OF A MIXTURE OF NATIVE GRASSES AND WEEDS WITH COVERAGE APPROXIMATING 70% DENSITY UNLESS OTHERWISE NOTED. SOME AREAS HAVE NEGLIGIBLE VEGETATIVE GROWTH AT THIS TIME AS THE SITE WAS PREVIOUSLY GRADED AND RE-SEEDED OR USED AS A BUILDERS' STOCKPILE LOCATION. AREAS PREVIOUSLY GRADED HAS BEEN RE-SEEDED WITH THE APPROVED COUNTY SEED MIX.
- MATERIAL STORAGE, TOPSOIL STOCKPILES(EDFCD: MM-2), STAGING(UDFCD: SM-6), CONCRETE WASHOUT AND WASTE AREAS SHALL BE IDENTIFIED BY THE CONTRACTOR PRIOR TO START OF CONSTRUCTION AND ADJUSTED AS NECESSARY.
- THERE IS NO CONCRETE BATCH PLANT ASSOCIATED WITH THIS PROJECT.
- NO SLOPES GREATER THAN 3:1 ARE EXPECTED ON THIS SITE. SLOPES GREATER THAN 3:1 REQUIRE EROSION CONTROL BLANKET.
- MIRIFI FABRIC TO BE PLACED BELOW ALL RIP-RAP.



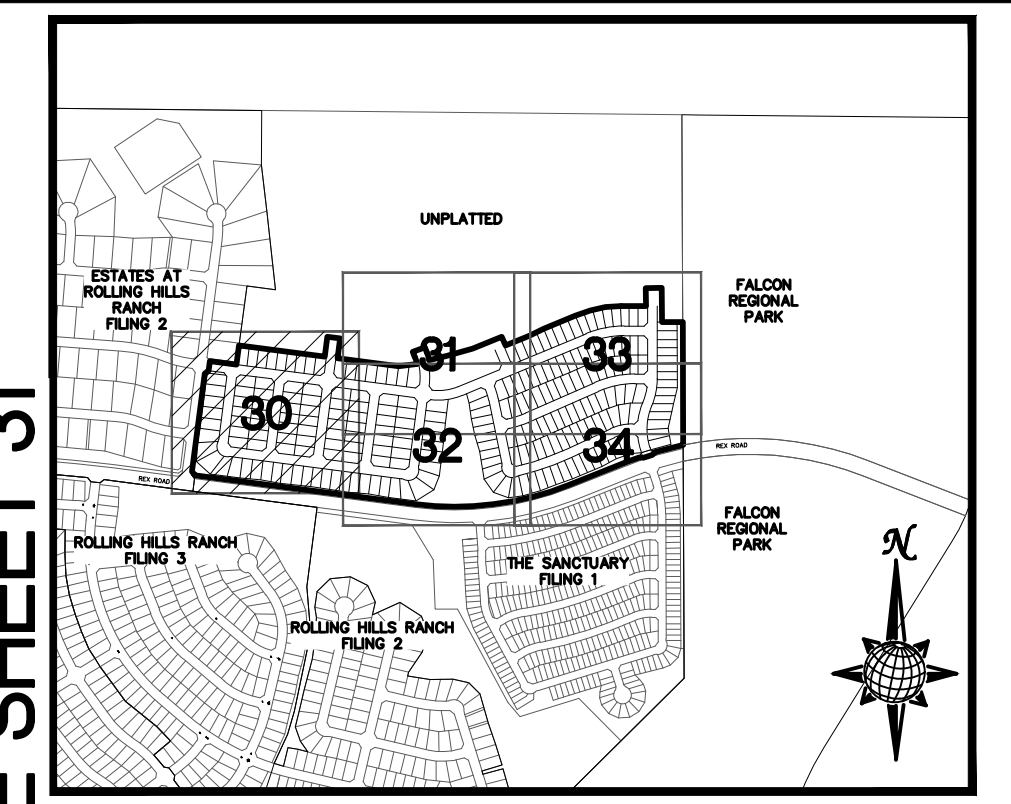
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1		2		3		4	
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MERIDIAN RANCH							
ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH GRADING/EROSION CONTROL PLAN				GRADING INDEX SHEET			
Scale	AS SHOWN	Drawn by	LOG	Checked by	TAK	Date	NOVEMBER 2023
		29 of 37					

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Please provide dimensions and minimum depth. Provide spillway and dimensions.



SEE SHEET 31

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LEGEND

SYMBOL	ACRONYM	DESCRIPTION
		STRAW BALES PER DETAIL SHEET 37
		EX. EROSION WATTLES (UNLESS OTHERWISE NOTED) PER DETAIL SHEET 37
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	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 37
		LIMITS OF GRADING
		EXISTING CONTOUR (10')
		EXISTING CONTOUR (2')
		PROPOSED CONTOUR (10')
		PROPOSED CONTOUR (2')
		CONSTRUCTION BOUNDARY
		FLOW DIRECTION
		GRADE
		LOT GRADE TYPE
		LOT NUMBER

where are straw bales proposed?

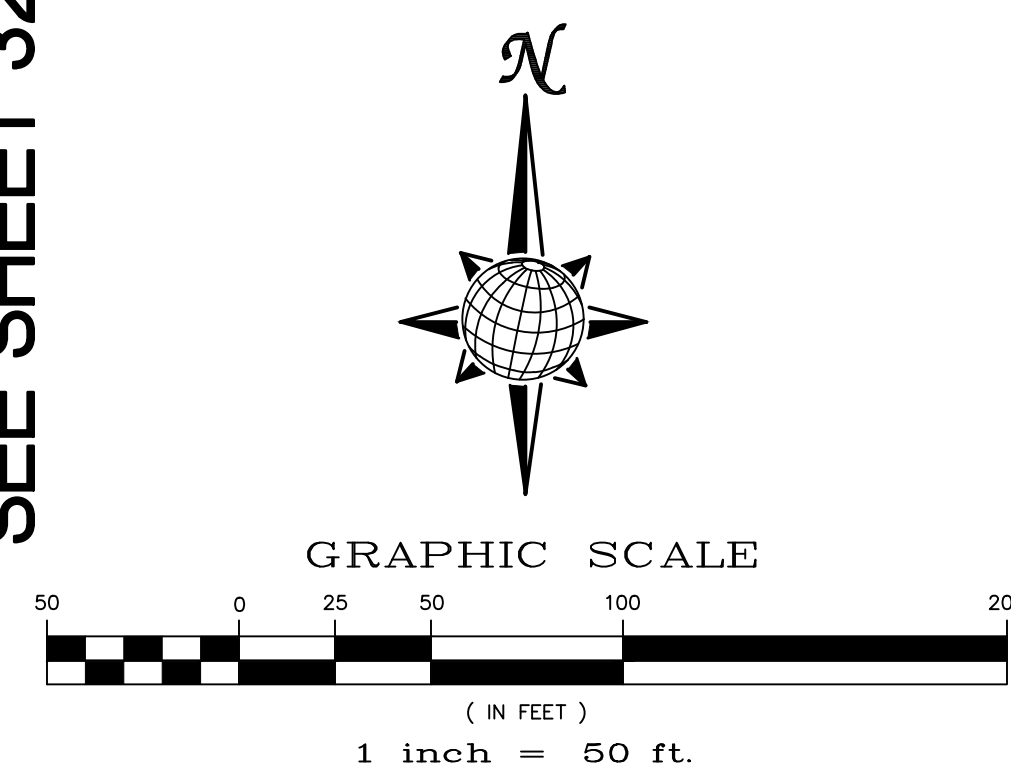
Show silt fence on plans. Where is this proposed? Is it existing per the previous table? Typical Comment

Show seeding and mulching and put in legend. Typical Comment

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 36.

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 - 7) THE SANCTUARY FILING 1 AT MERIDIAN RANCH

SEE SHEET 32

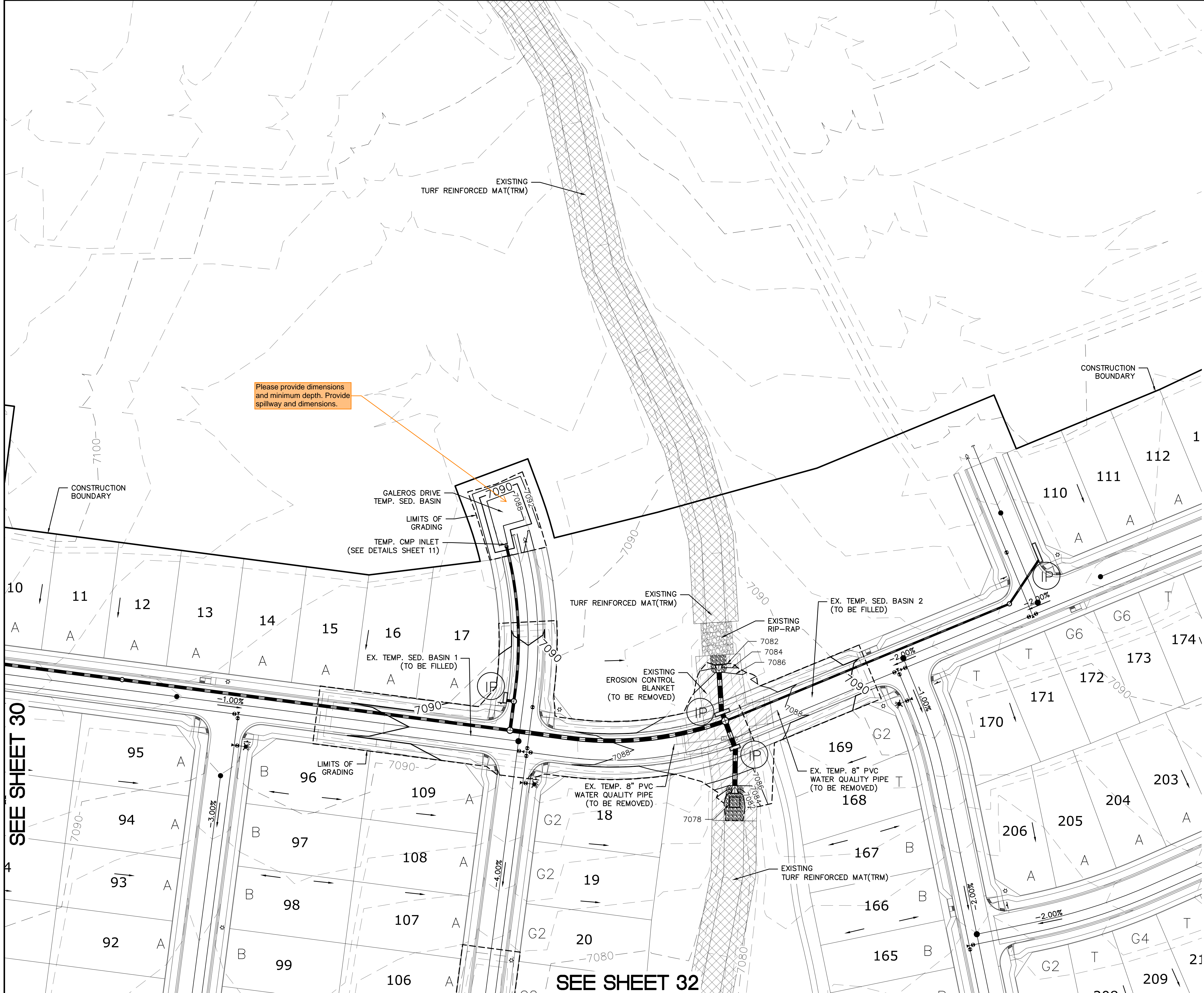


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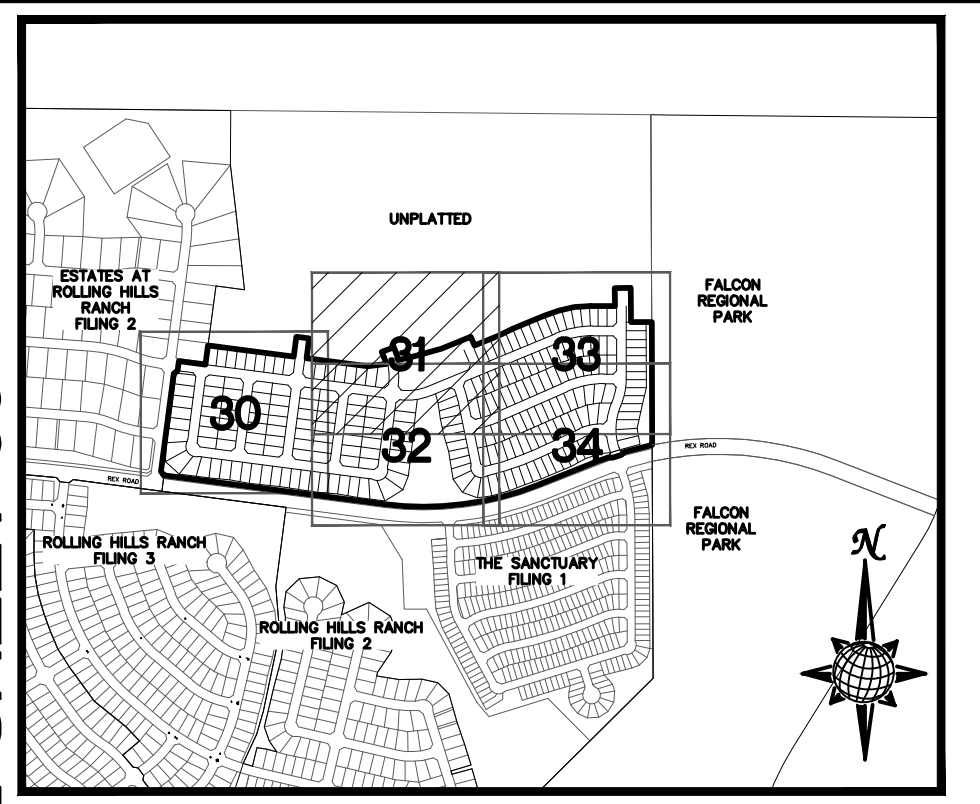
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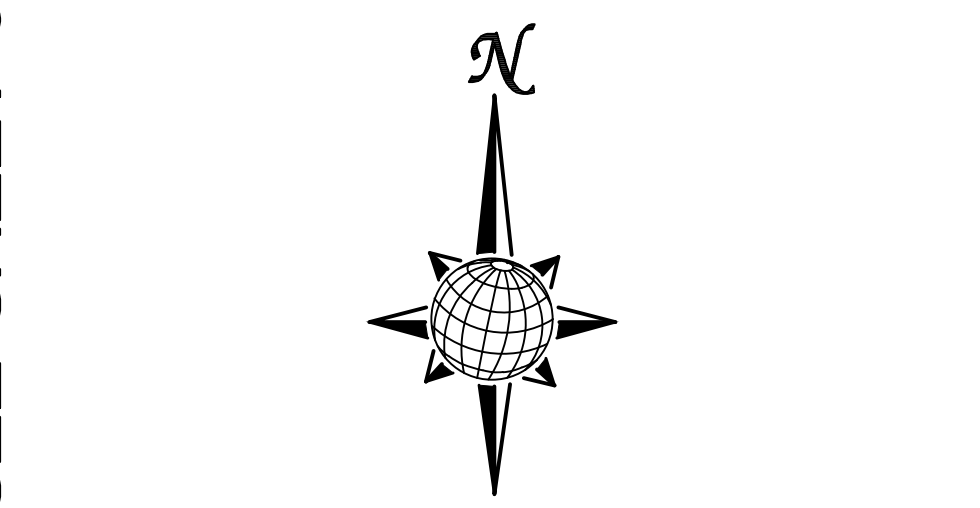
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		PROPOSED CONTOUR (2')
		CONSTRUCTION BOUNDARY
		FLOW DIRECTION
	2.00%	GRADE
	A	LOT GRADE TYPE
	75	LOT NUMBER

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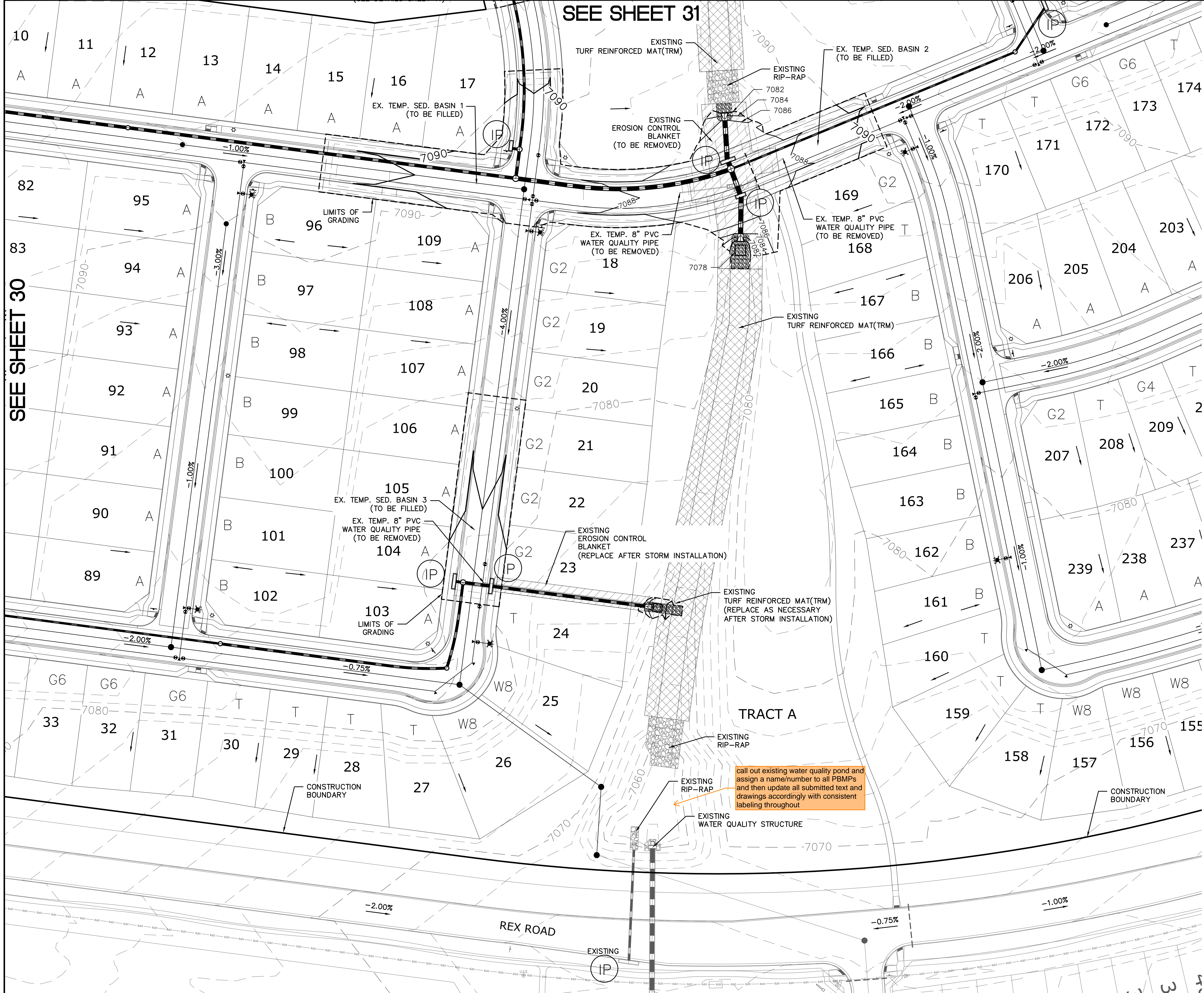
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Drawn by	LOG	Checked by	TAK	Date	NOVEMBER 2023		
PLAN SHEET							

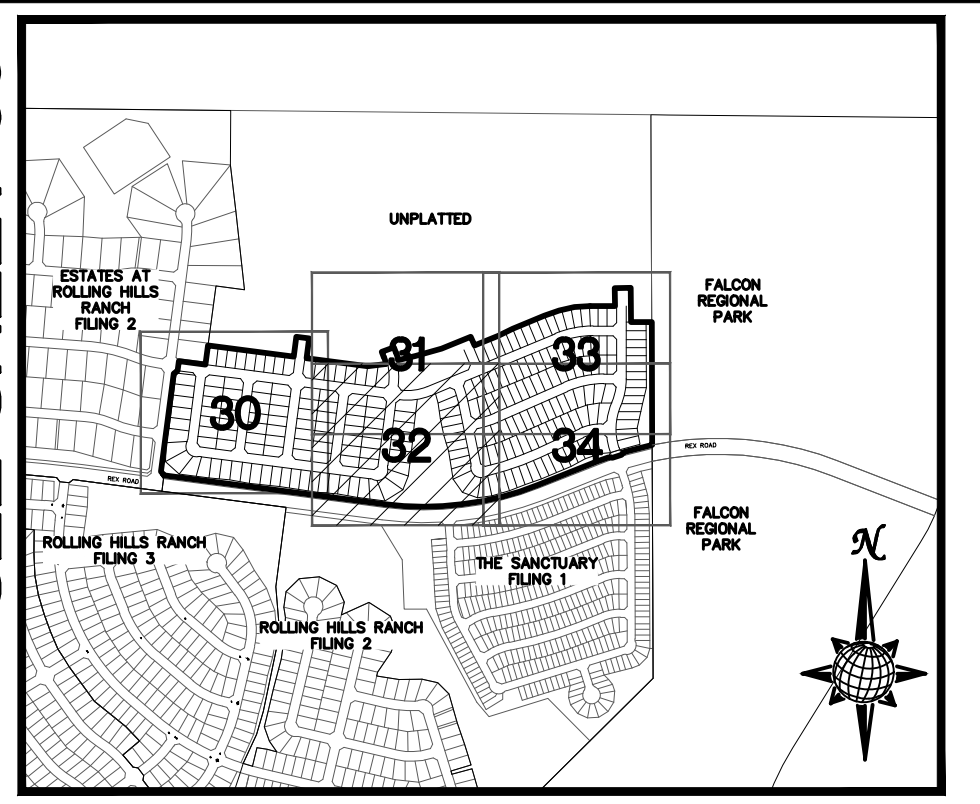
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SEE SHEET 31

SEE SHEET 33

SEE SHEET 34



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		FLOW DIRECTION
		GRADE
	A	LOT GRADE TYPE
	75	LOT NUMBER

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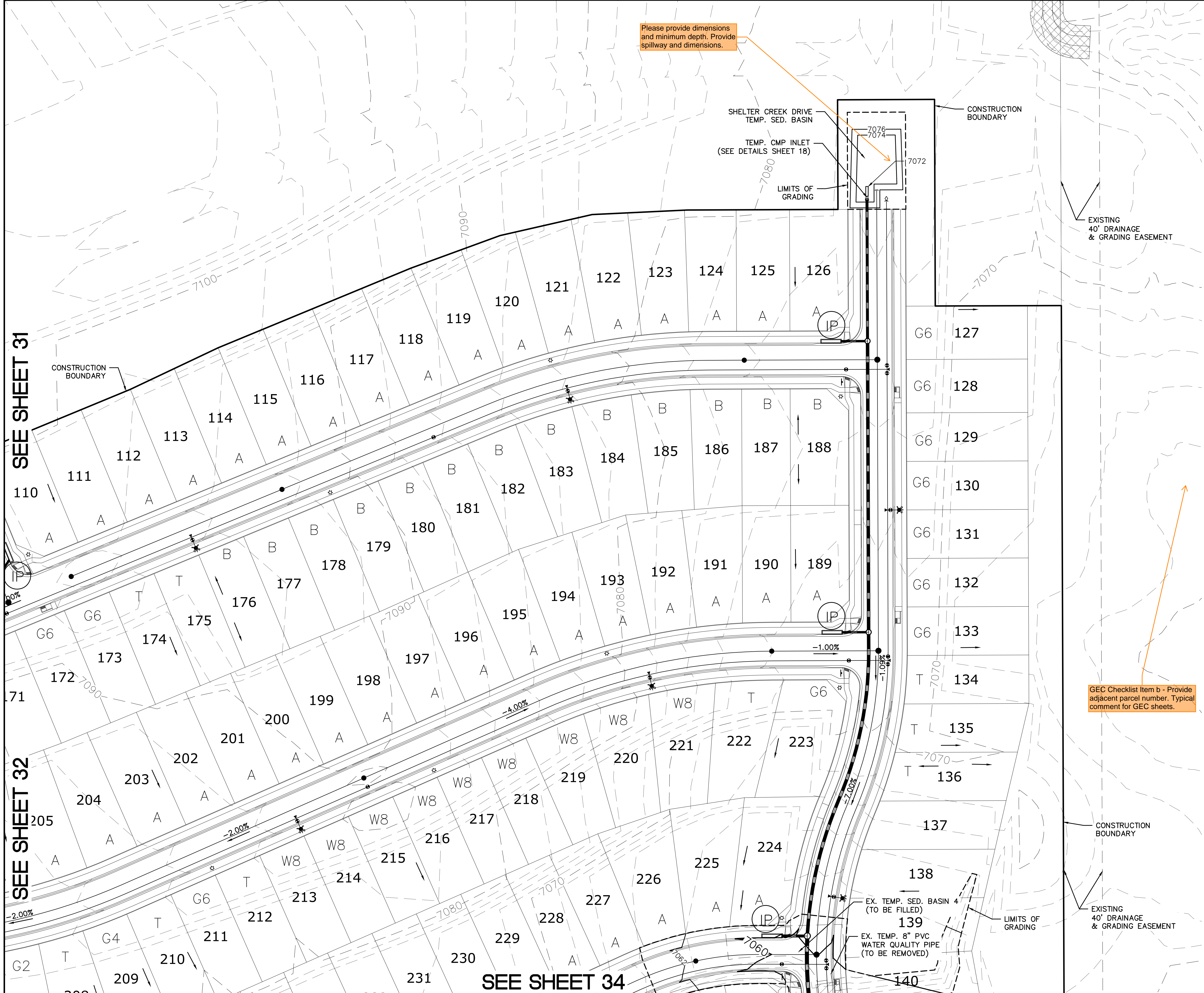
call out existing water quality pond and assign a name/number to all PBMPs and then update all submitted text and drawings accordingly with consistent labeling throughout

GRAPHIC SCALE
 50 0 25 50 100 200
 (IN FEET)
 1 inch = 50 ft.

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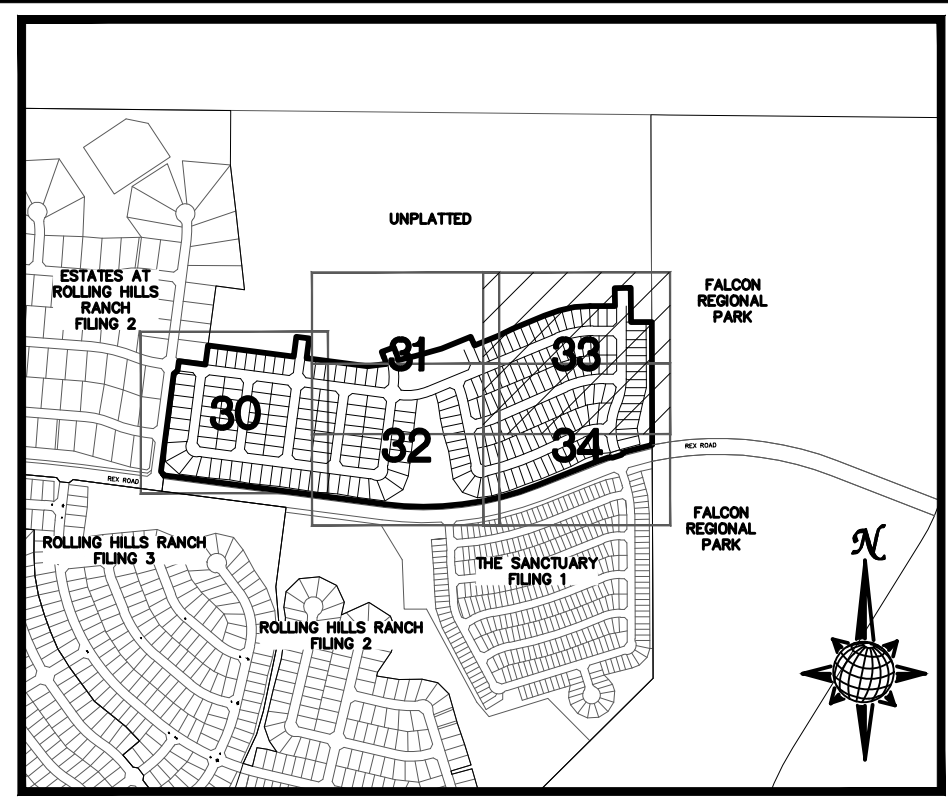
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MERIDIAN RANCH					
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GEC Checklist Item b - Provide adjacent parcel number. Typical comment for GEC sheets.



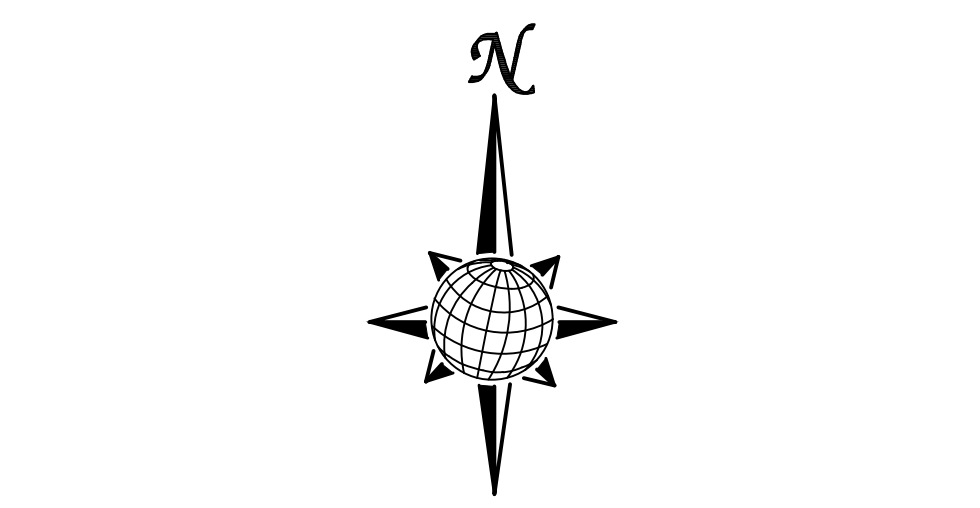
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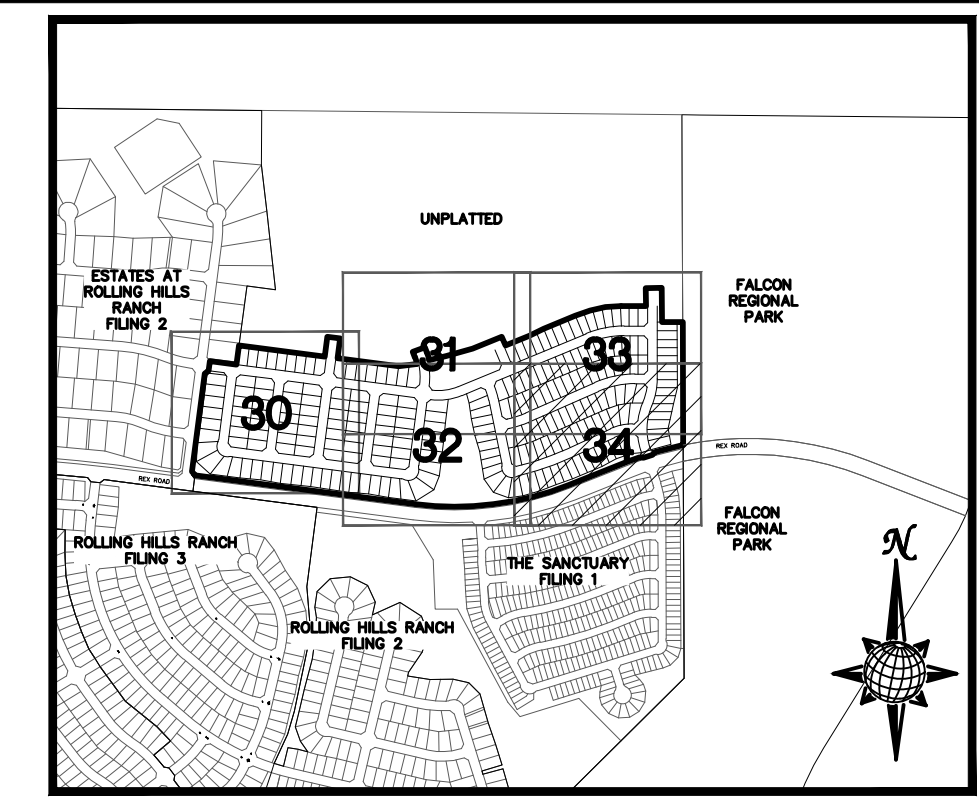
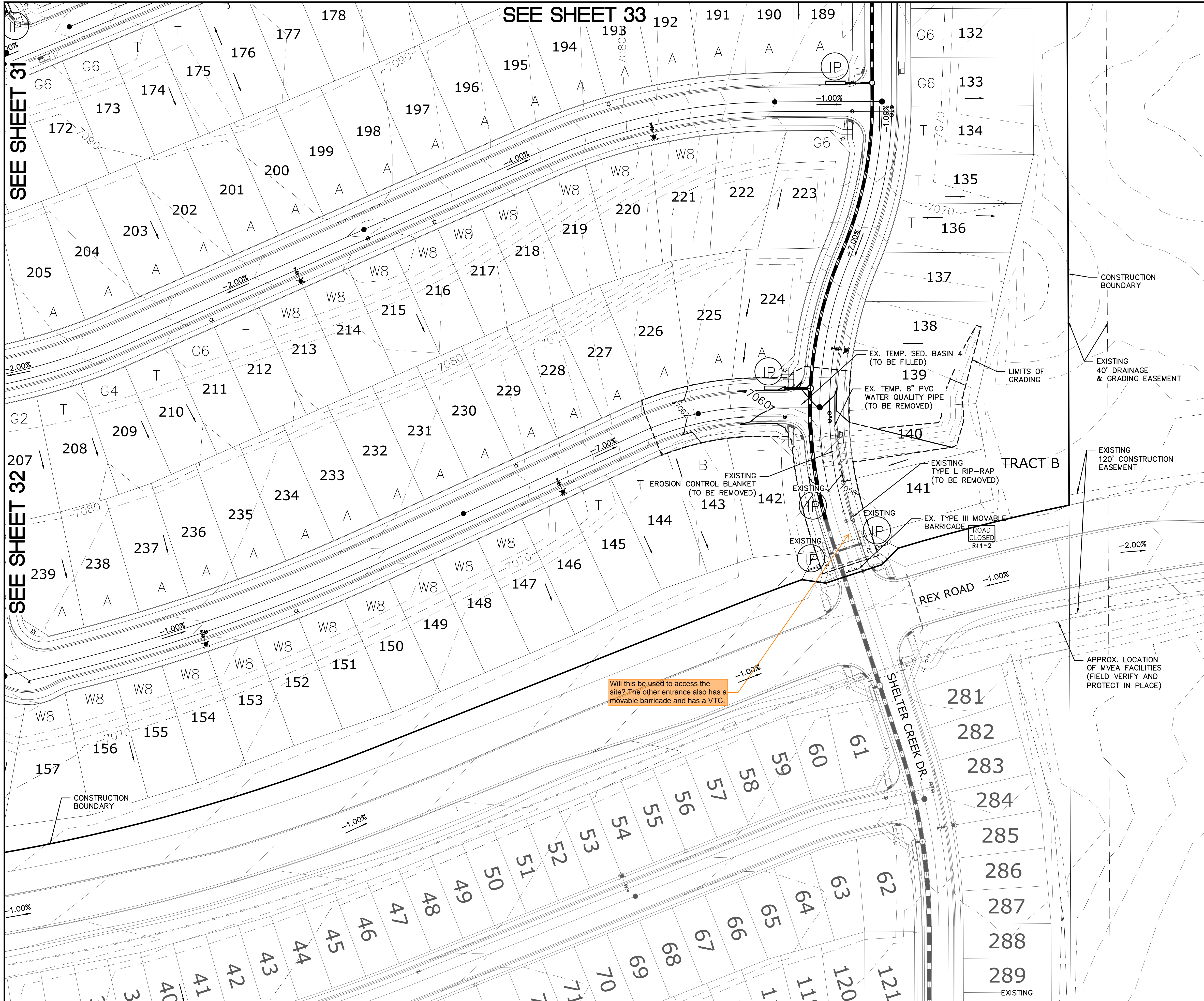


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PLAN SHEET							



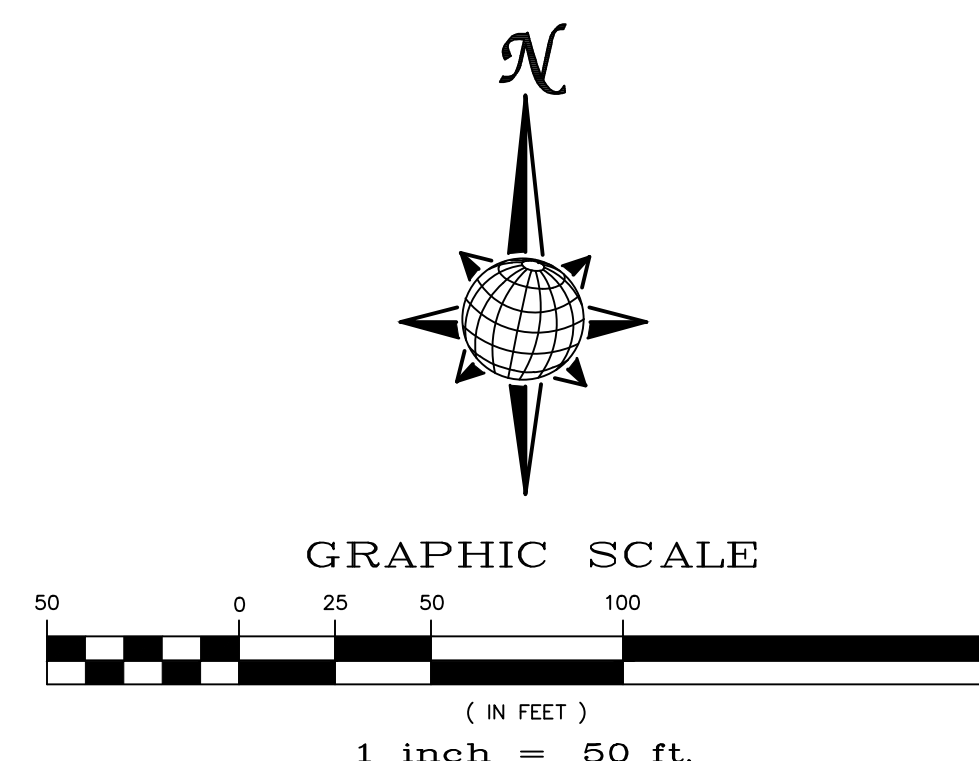
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	3				
	4				

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 TELEPHONE: 719.495.7444

MERIDIAN RANCH

ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH GRADING/EROSION CONTROL PLAN

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 Checked by TAK
 Date NOVEMBER 2023

PLAN SHEET



FALCON REGIONAL PARK

UNPLATTED

ESTATES AT ROLLING HILLS RANCH FILING 2

ROLLING HILLS RANCH FILING 3

ROLLING HILLS RANCH FILING 2

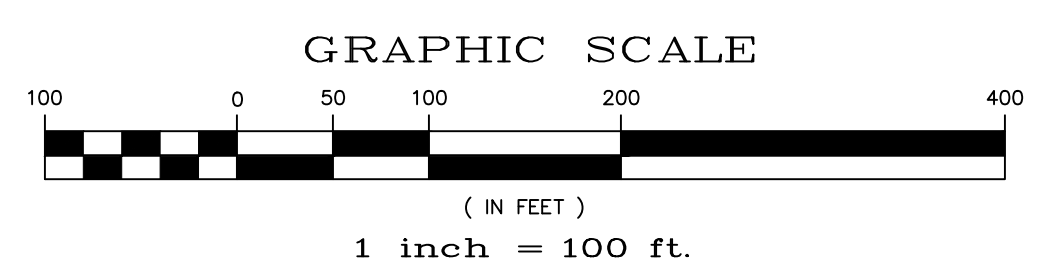
THE SANCTUARY FILING 1

TRACT B

TRACT A



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LEGEND:

AREAS OF CUT

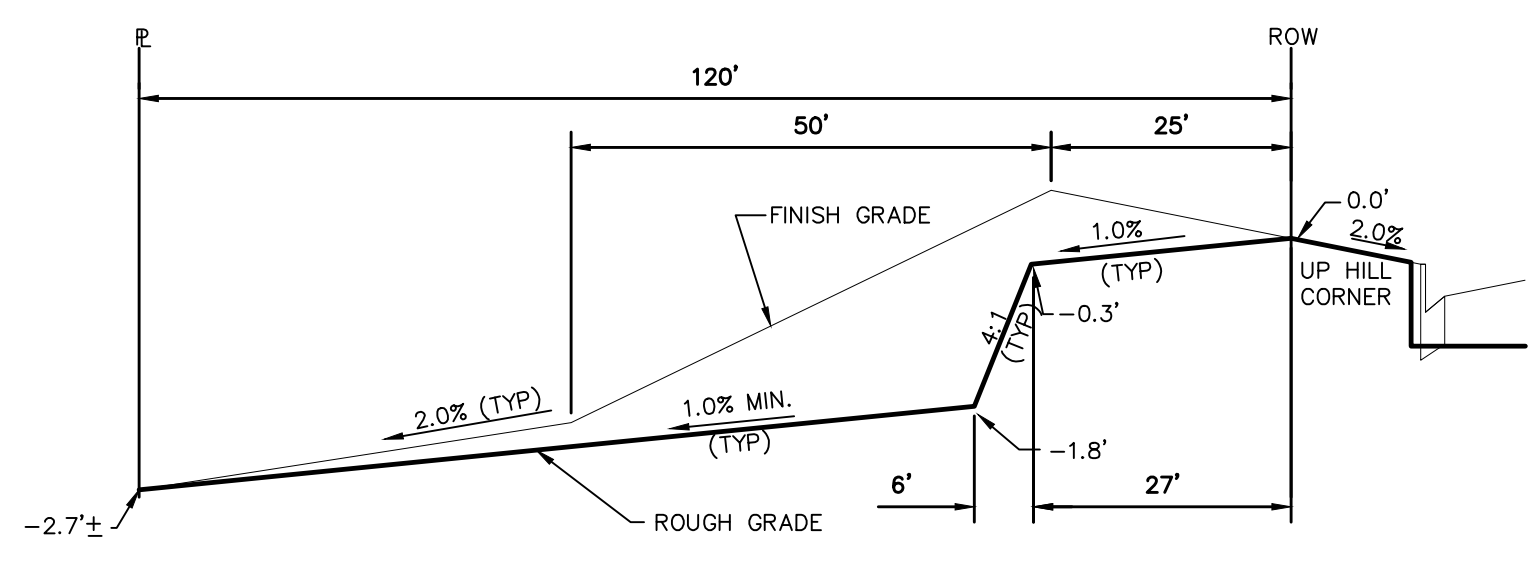


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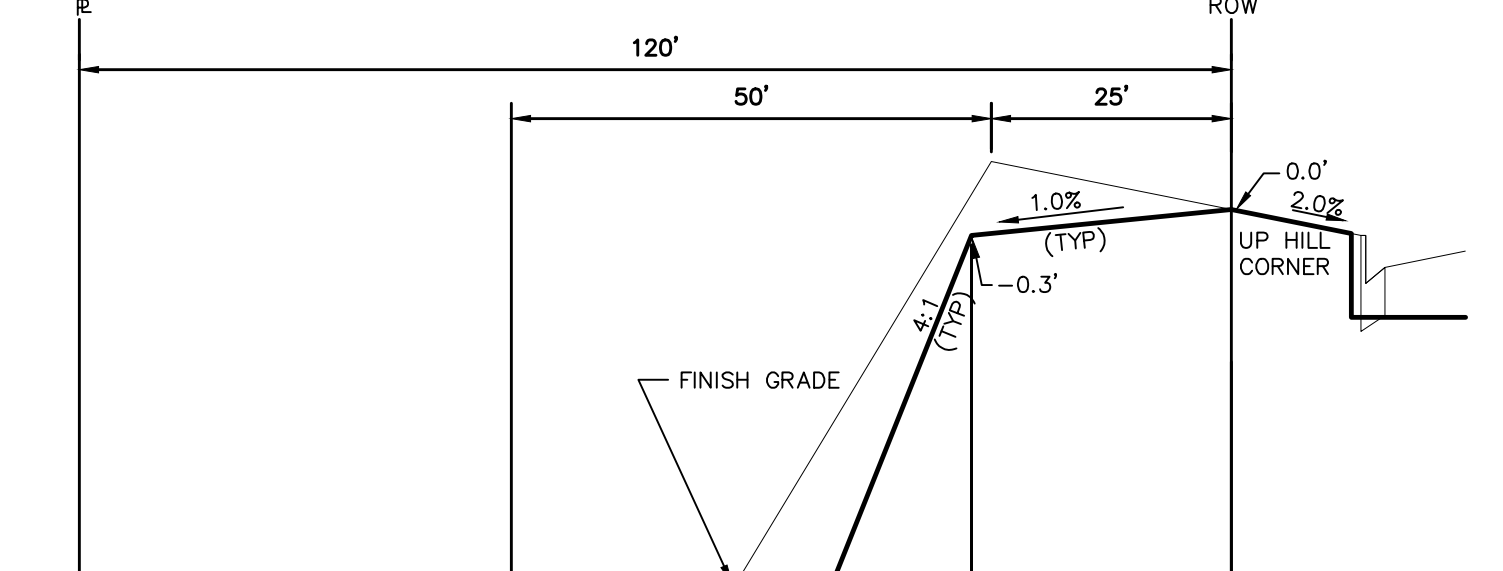


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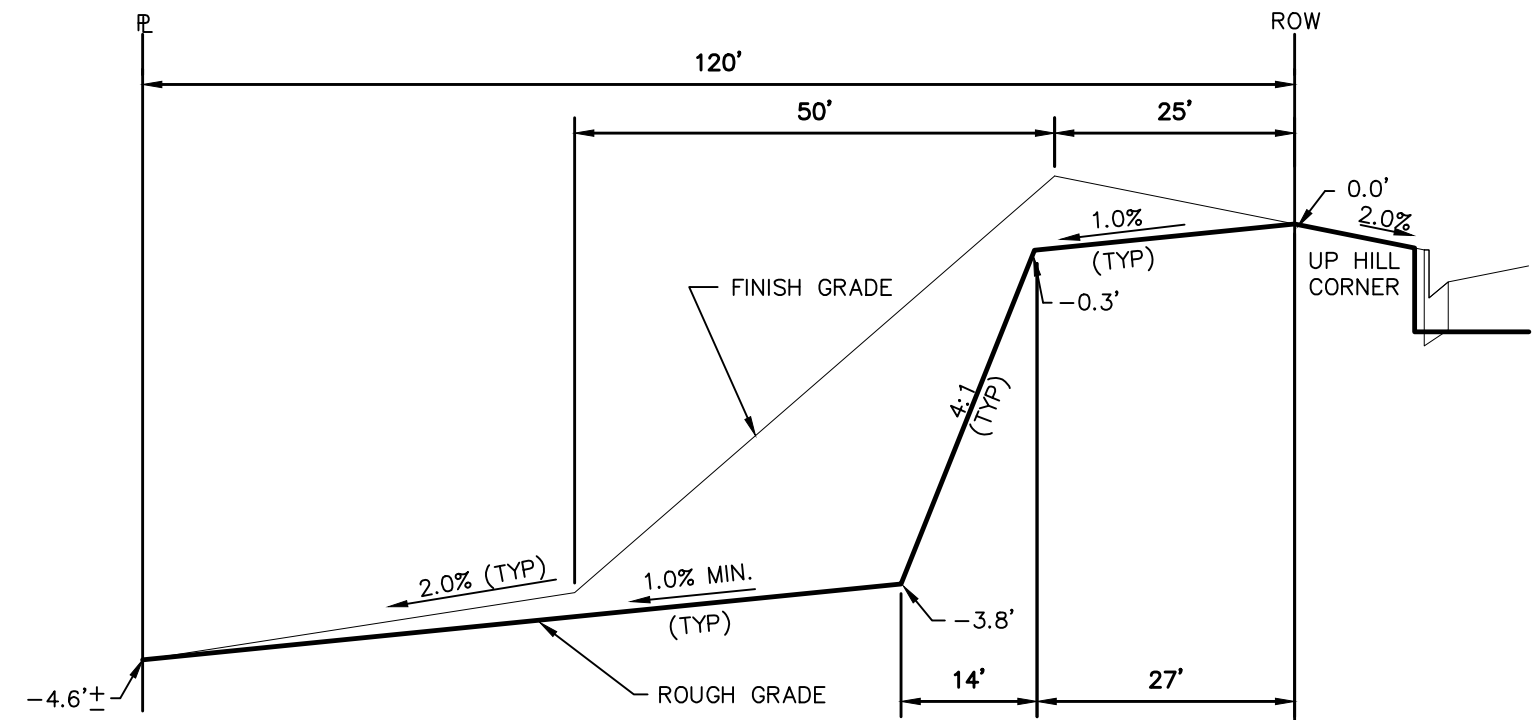
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Drawn by	LOG	NOVEMBER 2023
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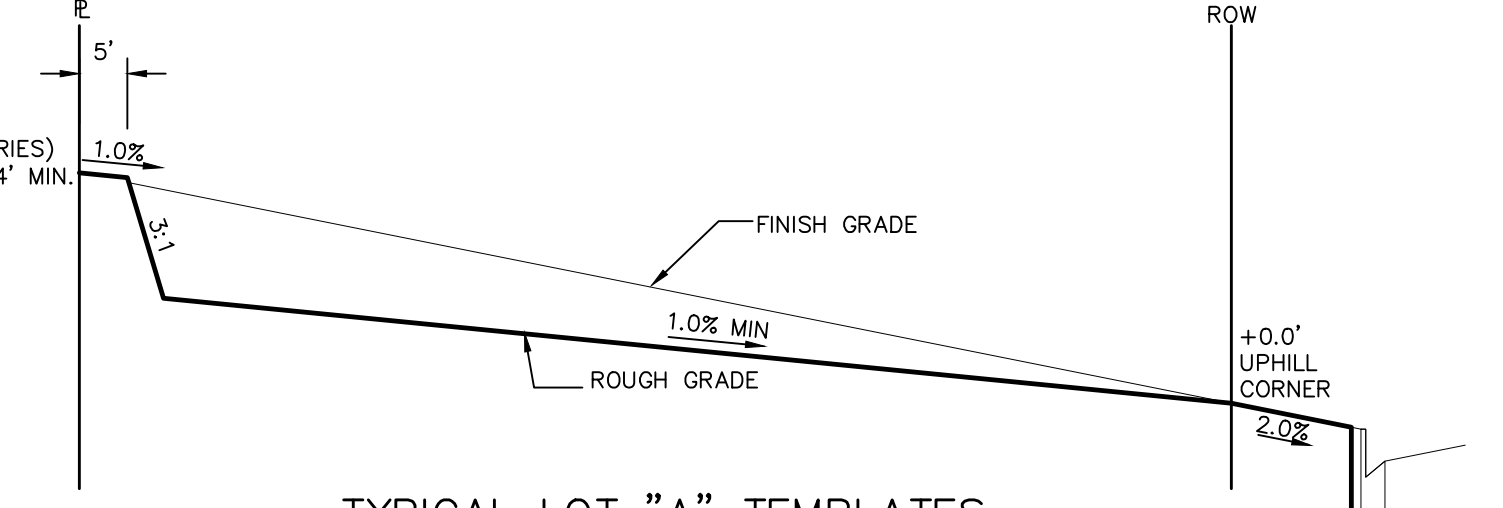
TYPICAL LOT "G2" TEMPLATES
NTS



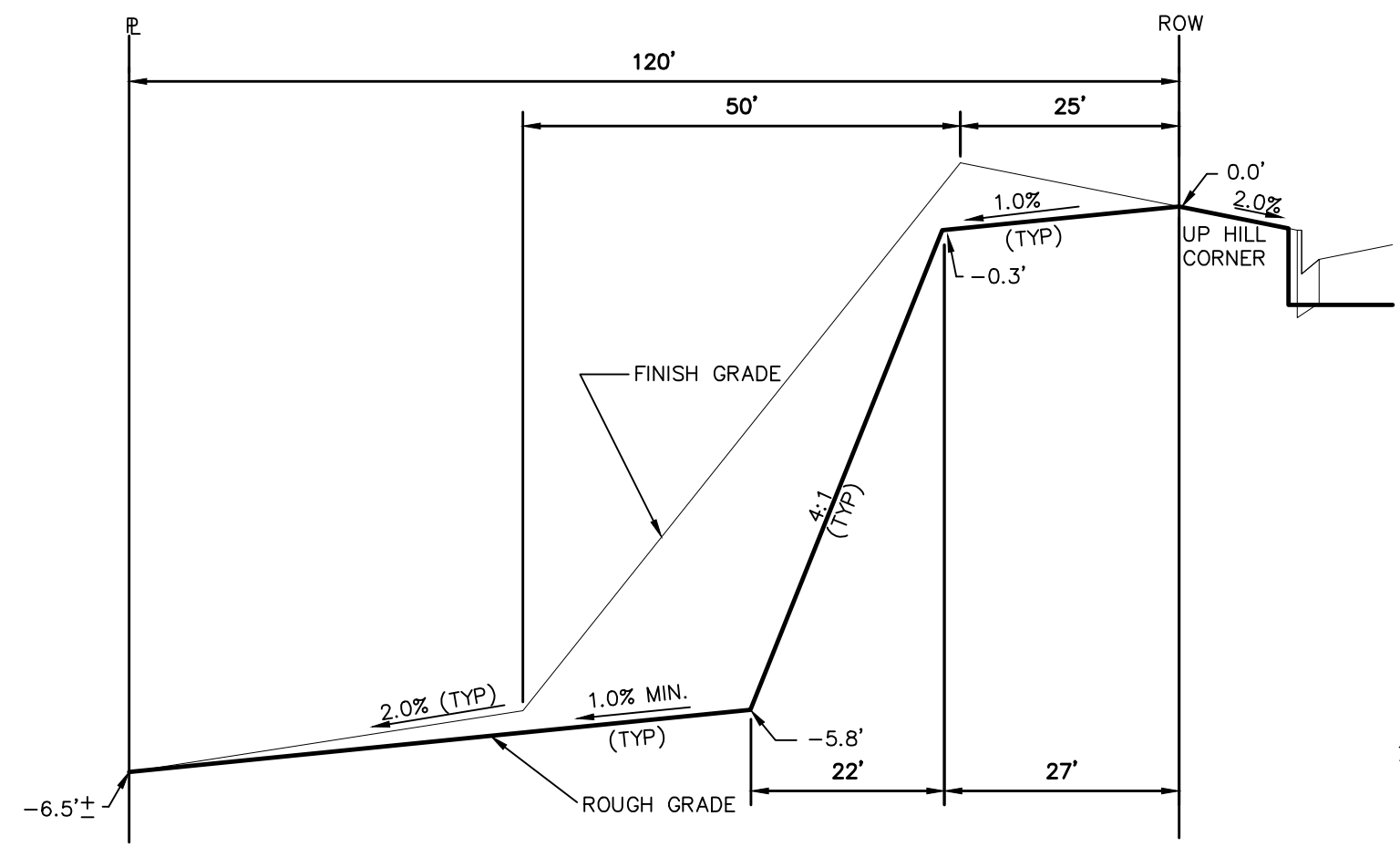
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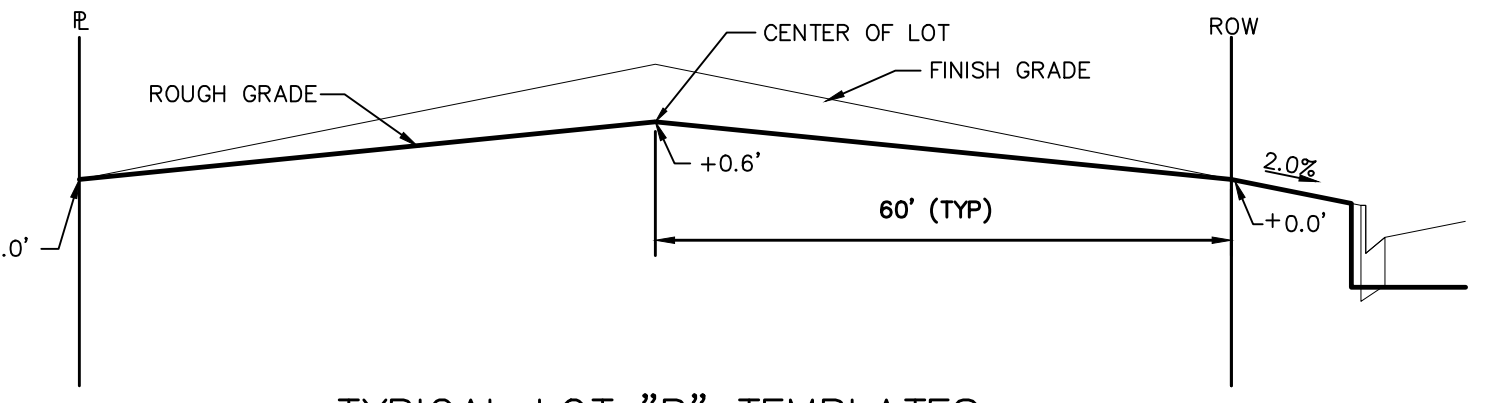
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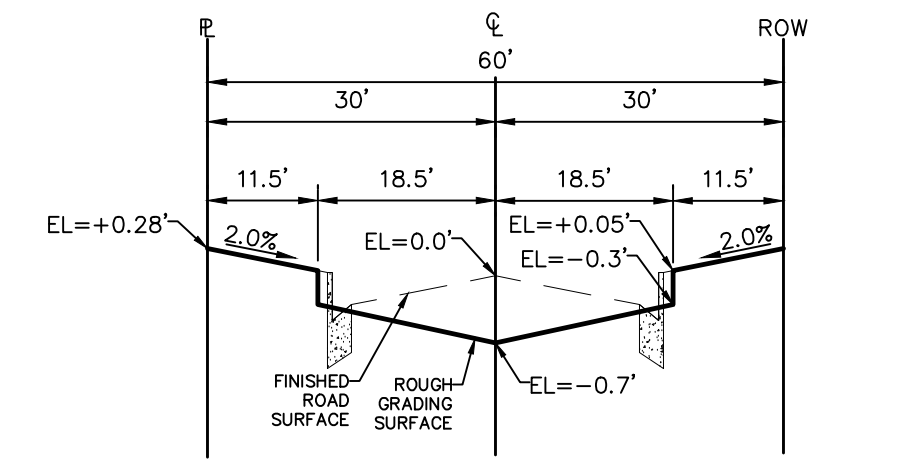
TYPICAL LOT "A" TEMPLATES
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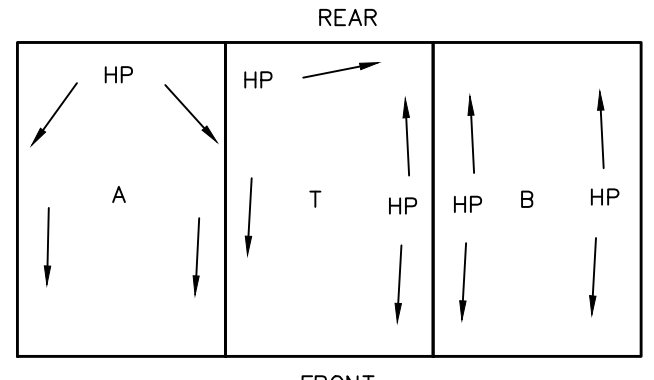
TYPICAL LOT "G6" TEMPLATES
NTS



TYPICAL LOT "B" TEMPLATES
NTS



TYPICAL RESIDENTIAL STREET SECTION
60' ROW
NTS



TYPICAL DRAINAGE PATTERN
NTS

NOTE: "T" IS A TRANSITION BETWEEN LOT TEMPLATES

STEPS FOR CONSTRUCTION

THE ANTICIPATED START FOR THIS PROJECT IS JUNE 2024 WITH AN ANTICIPATED COMPLETION DATE OF AUGUST 2025. BELOW IS A BRIEF OUTLINE OF THE CONSTRUCTION SEQUENCE FOR THIS PROJECT.

- * INSTALL INITIAL BMP'S
- * 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.

THERE ARE NO DEDICATED ASPHALT OR CONCRETE BATCH PLANTS PLANNED ON SITE.

FINAL STABILIZATION AND LONG TERM STORMWATER MANAGEMENT

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

OTHER CONTROLS

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

INSPECTION AND MAINTENANCE

- A THOROUGH INSPECTION OF THE STORMWATER MANAGEMENT SYSTEM SHALL BE PERFORMED EVERY 14 DAYS AS WELL AS AFTER ANY RAIN OR SNOWMELT EVENT THAT CAUSES SURFACE EROSION:
- * EROSION OF V-NOTCH SWALES, CHANNELS AND SIDE SLOPES SHALL BE REPAIRED.
 - * WHEN THE CHECK DAMS HAVE SILTED UP TO HALF THEIR HEIGHT, THE SILT SHALL BE REMOVED, CHANNEL GRADE REESTABLISHED, AND SIDE SLOPES RE-SEEDDED IF NECESSARY. ANY CHECK DAMS THAT HAVE SHIFTED OR DECAYED SHALL BE REPAIRED OR REPLACED.
 - * SILT FENCES SHALL BE CLEANED WHENEVER SEDIMENT HAS REACHED A DEPTH OF 6" AT THE FENCE, AND BROKEN WOODEN PARTS OR TORN FABRIC SHALL BE REPAIRED OR REPLACED.
 - * ANY ACCUMULATED TRASH OR DEBRIS SHALL BE REMOVED FROM OUTLETS.
 - * IF THE DEPTH OF THE SILT IN THE TEMPORARY SEDIMENTATION TRAP EXCEEDS 1/2 OF THE ORIGINAL DEPTH, THE TRAP SHALL BE CLEANED OUT AND RESTORED TO ITS ORIGINAL DEPTH. THE OVERFLOW SPILLWAY SHALL BE CLEANED OR REPAIRED AS NECESSARY.
- AN INSPECTION AND MAINTENANCE LOG FOLLOWS THIS STORMWATER MANAGEMENT PLAN.

REVEGETATION AND SEEDING

ALL DISTURBED AREAS SHALL BE REQUIRE SEEDING WITHIN TWO (2) WEEKS FOLLOWING THE ESTABLISHMENT OF FINAL GRADE. AREAS TO RECEIVE PAVEMENT DURING THE CONSTRUCTION OF THE ROAD SYSTEM SHALL NOT RECEIVE ANY SEEDING. SEEDING SHOULD BE ACCOMPLISHED USING AN APPROPRIATE GRASS DRILL, BY BROADCASTING OR BY HYDROMULCHING. IF SEEDING BY THE BROADCAST METHOD IS SELECTED THE APPLICATION RATE SHOULD BE DOUBLED. IF HYDROMULCHING IS SELECTED TWO OPERATIONS SHOULD BE CONSIDERED, APPLYING THE SEED FIRST AND THE MULCH IN A SECOND OPERATION. UPON COMPLETION OF THE SEEDING OPERATION THE SITE SHOULD BE COVERED WITH WEED FREE MULCH AT A RATE OF 4,000 LBS. PER ACRE. MULCH SHALL BE INSTALLED PER DCM VOLUME 2, FIGURE MU-1, FOUND ON PAGE 3-30.

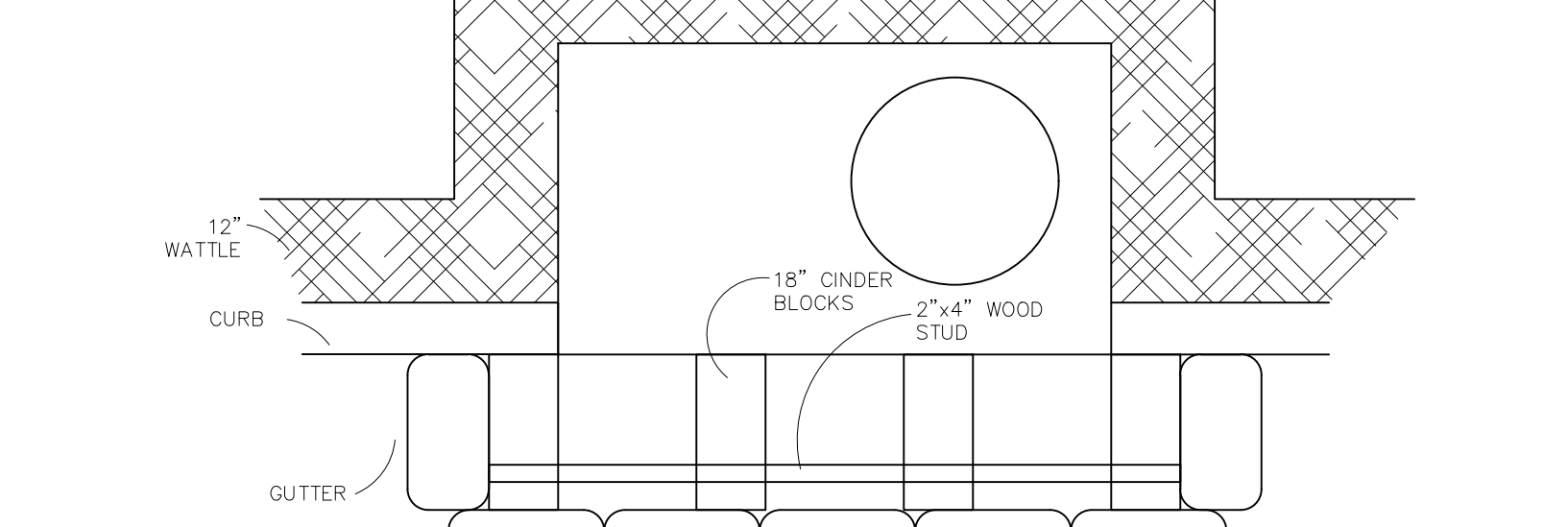
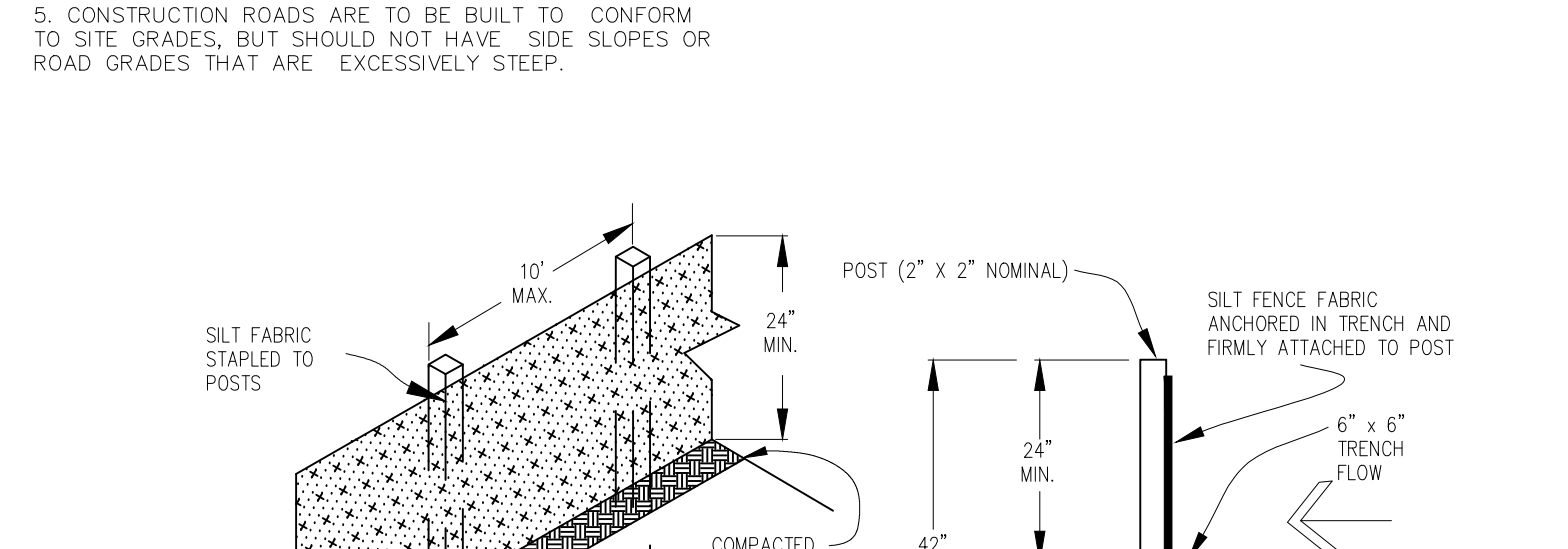
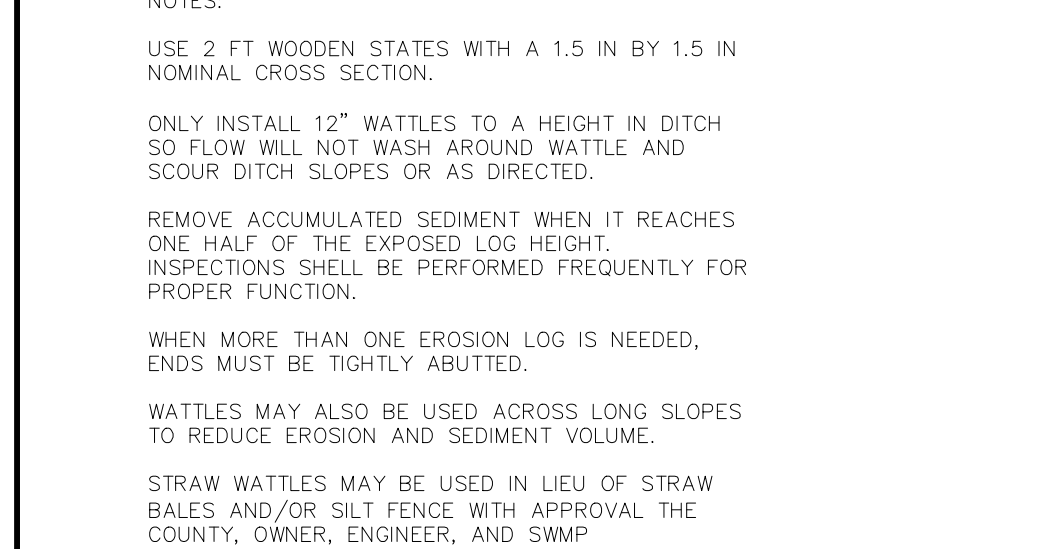
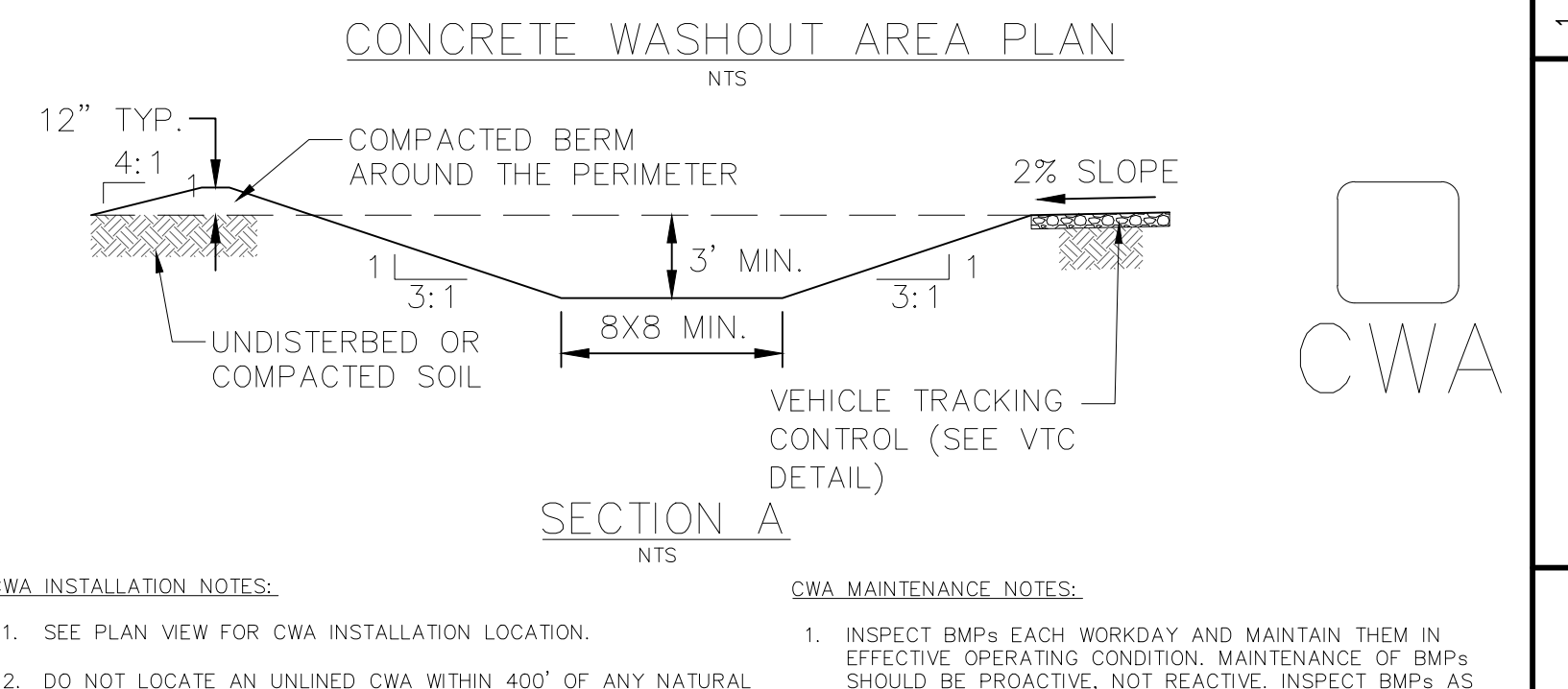
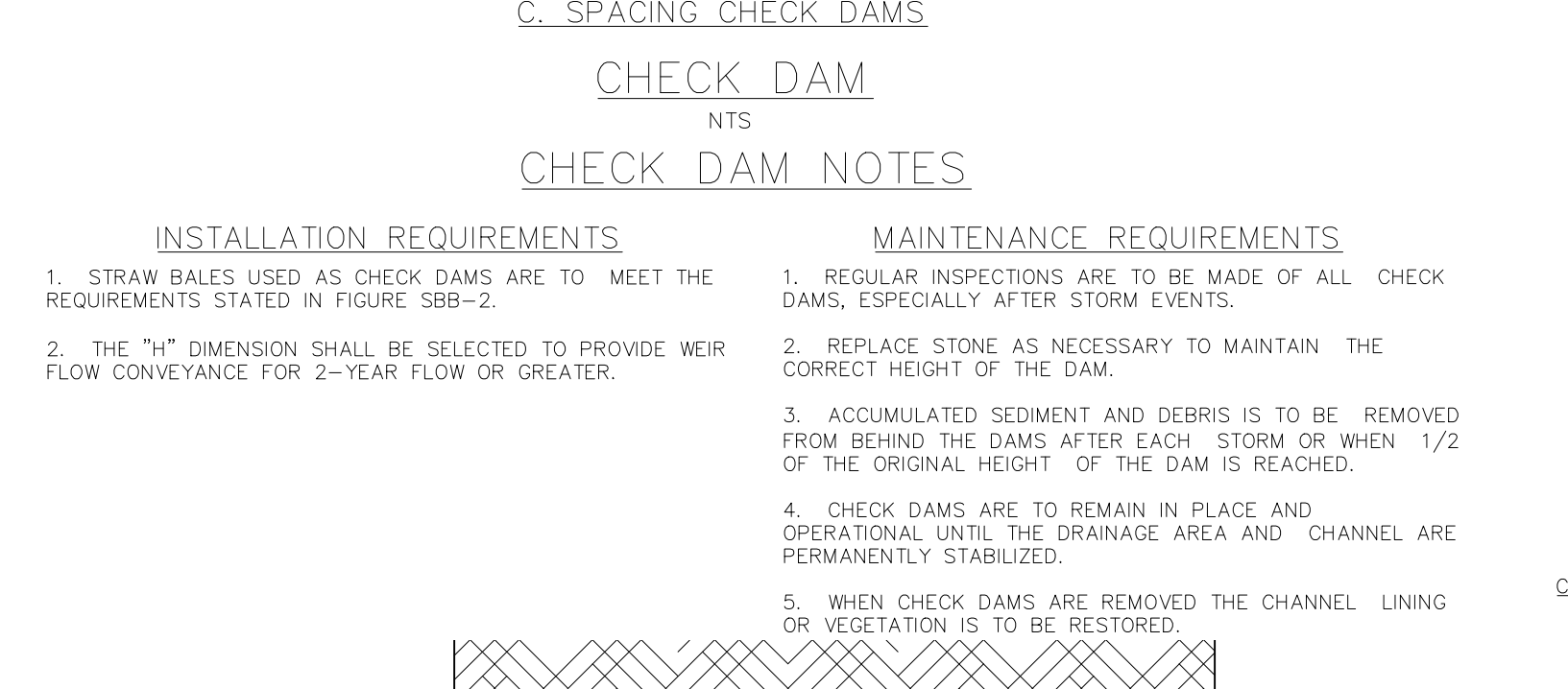
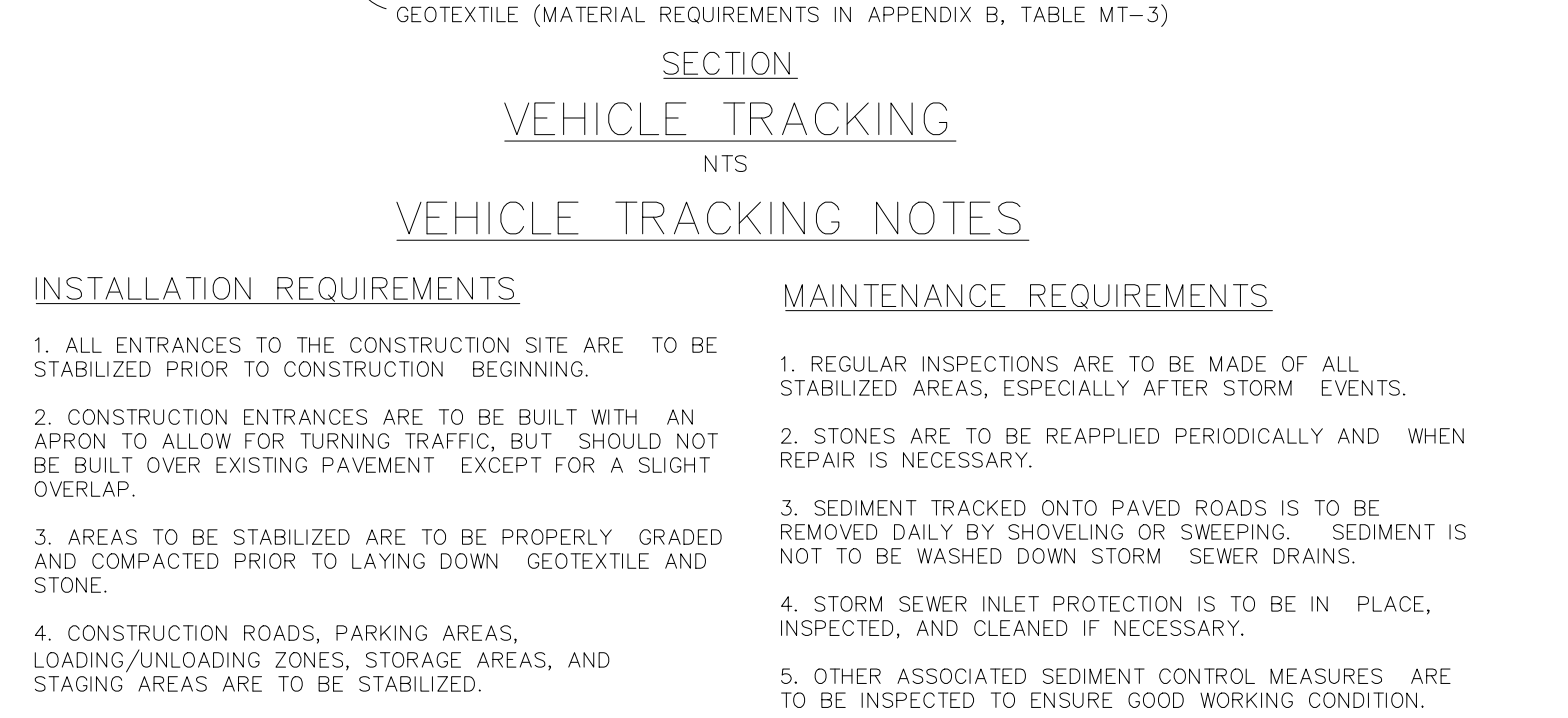
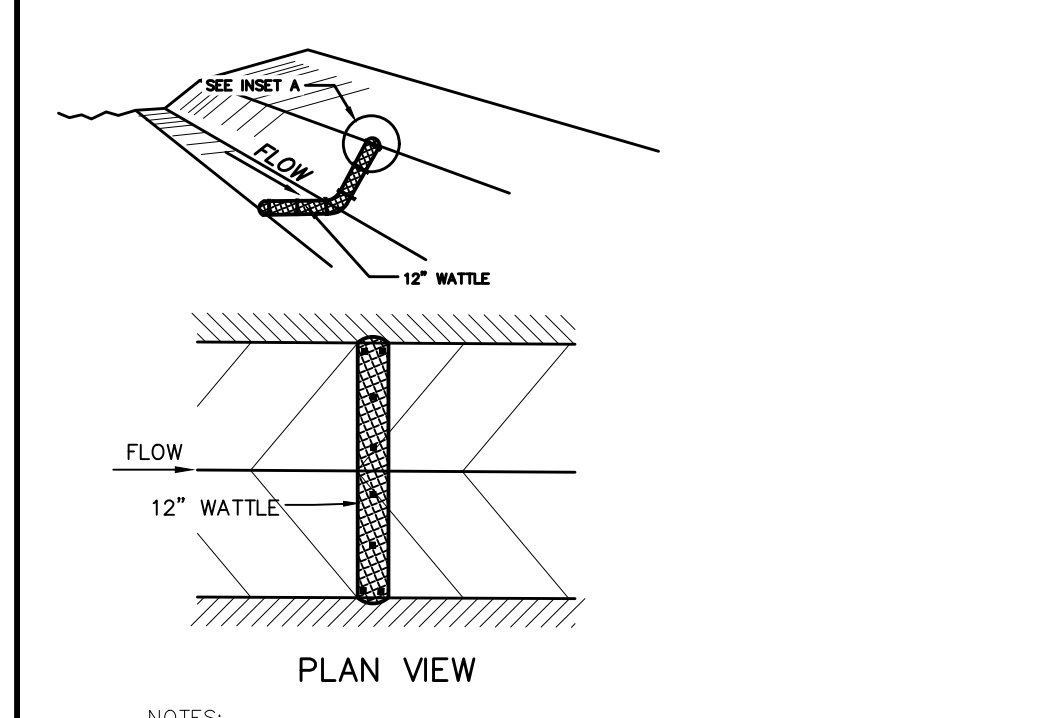
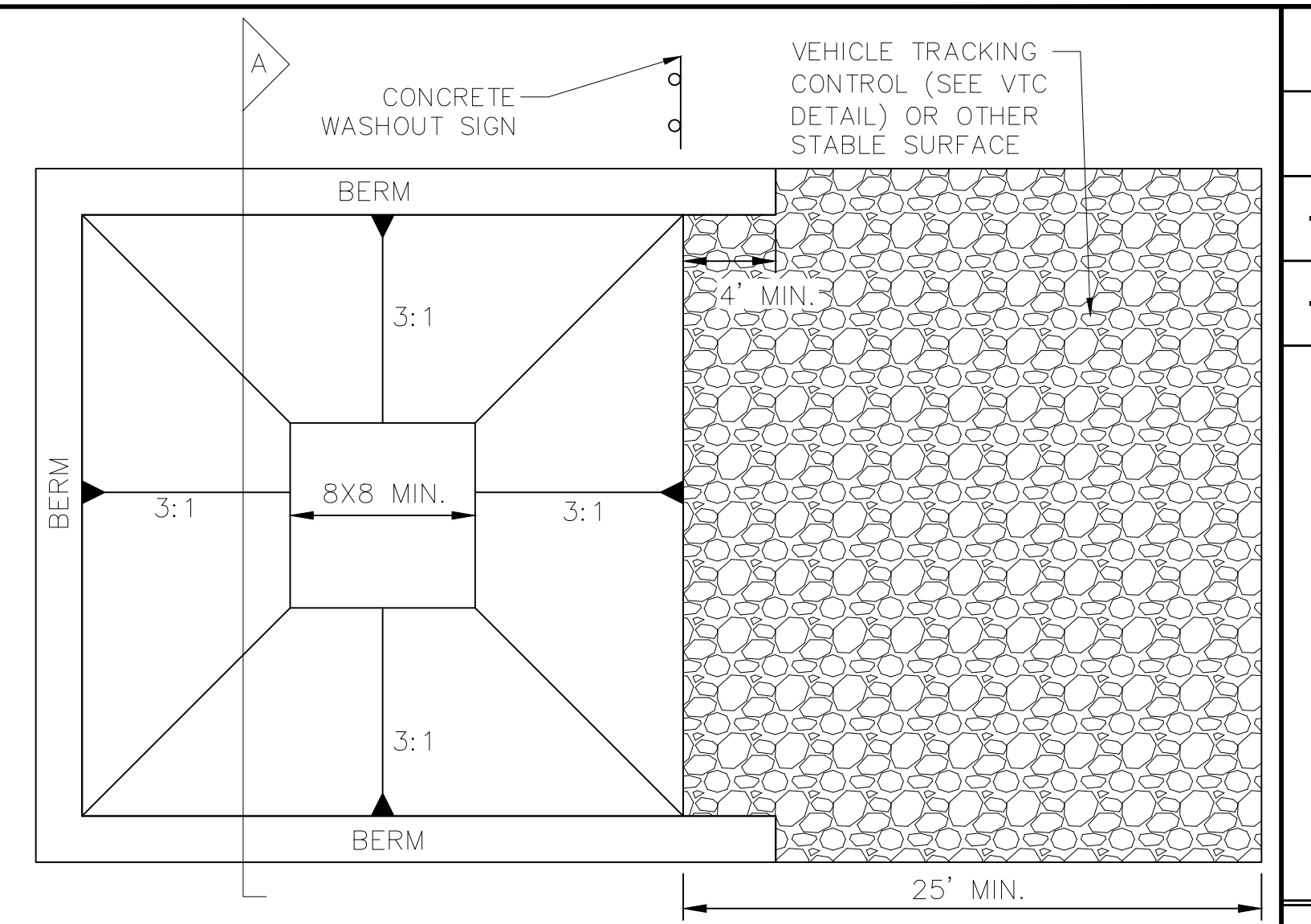
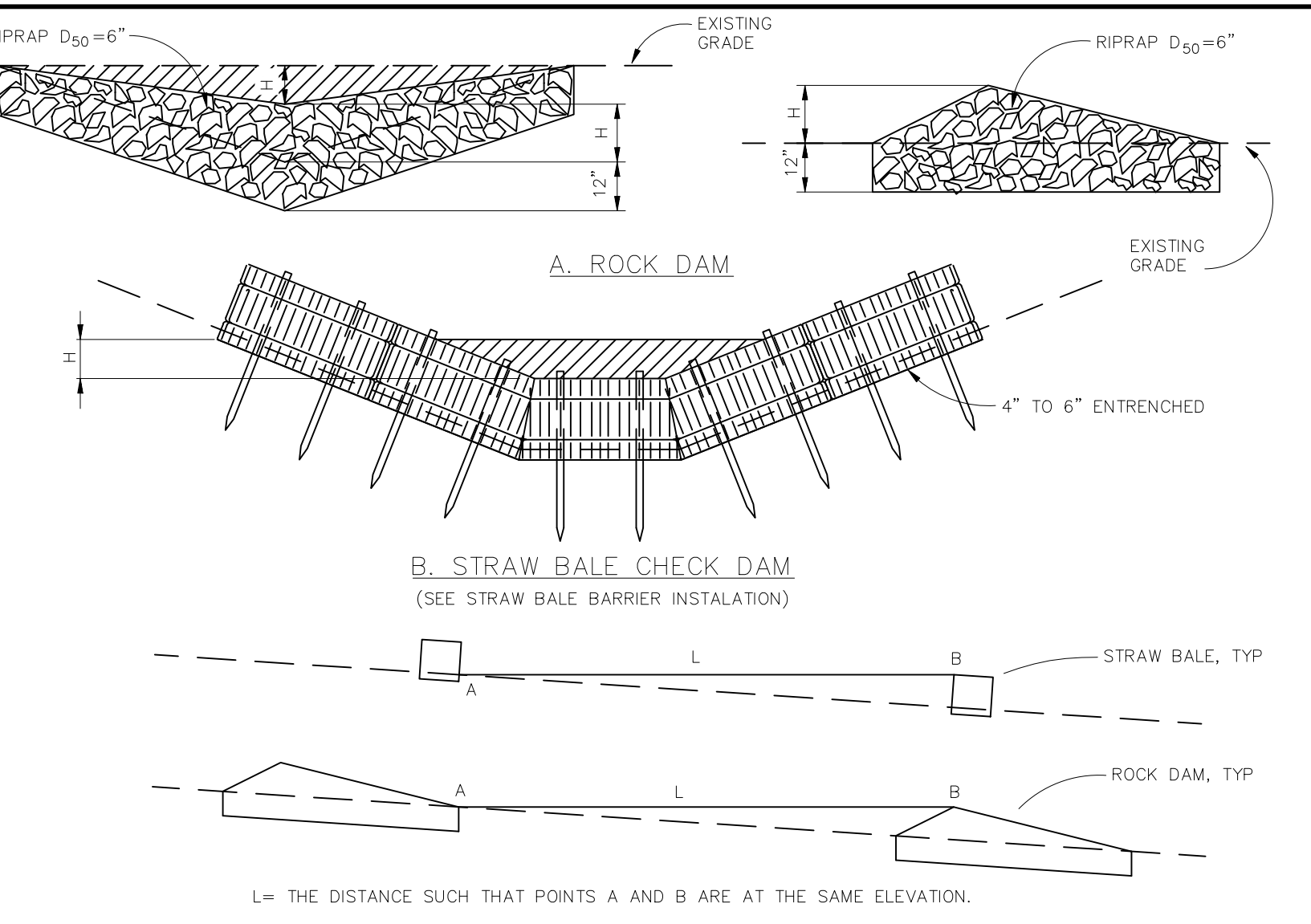
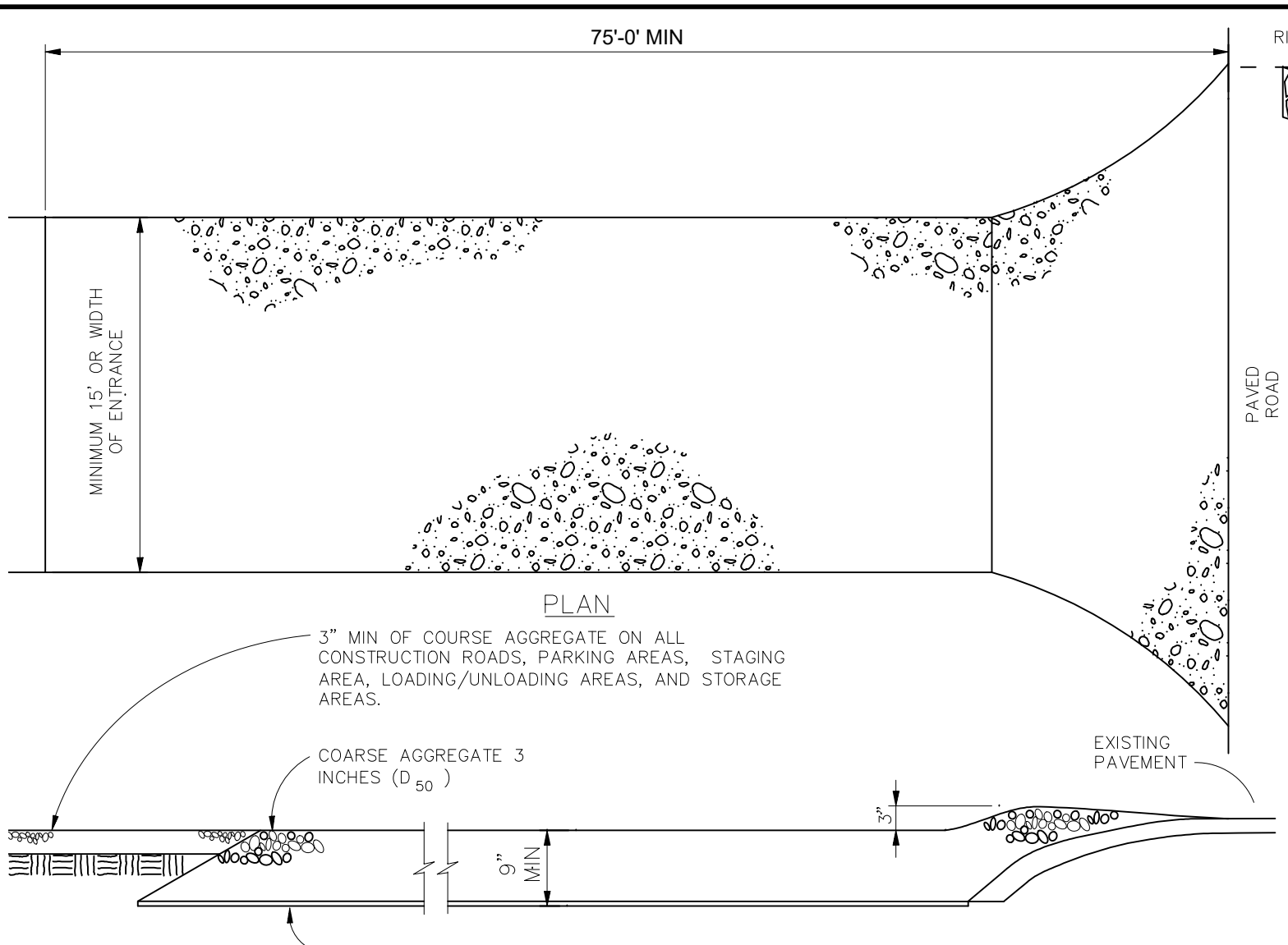
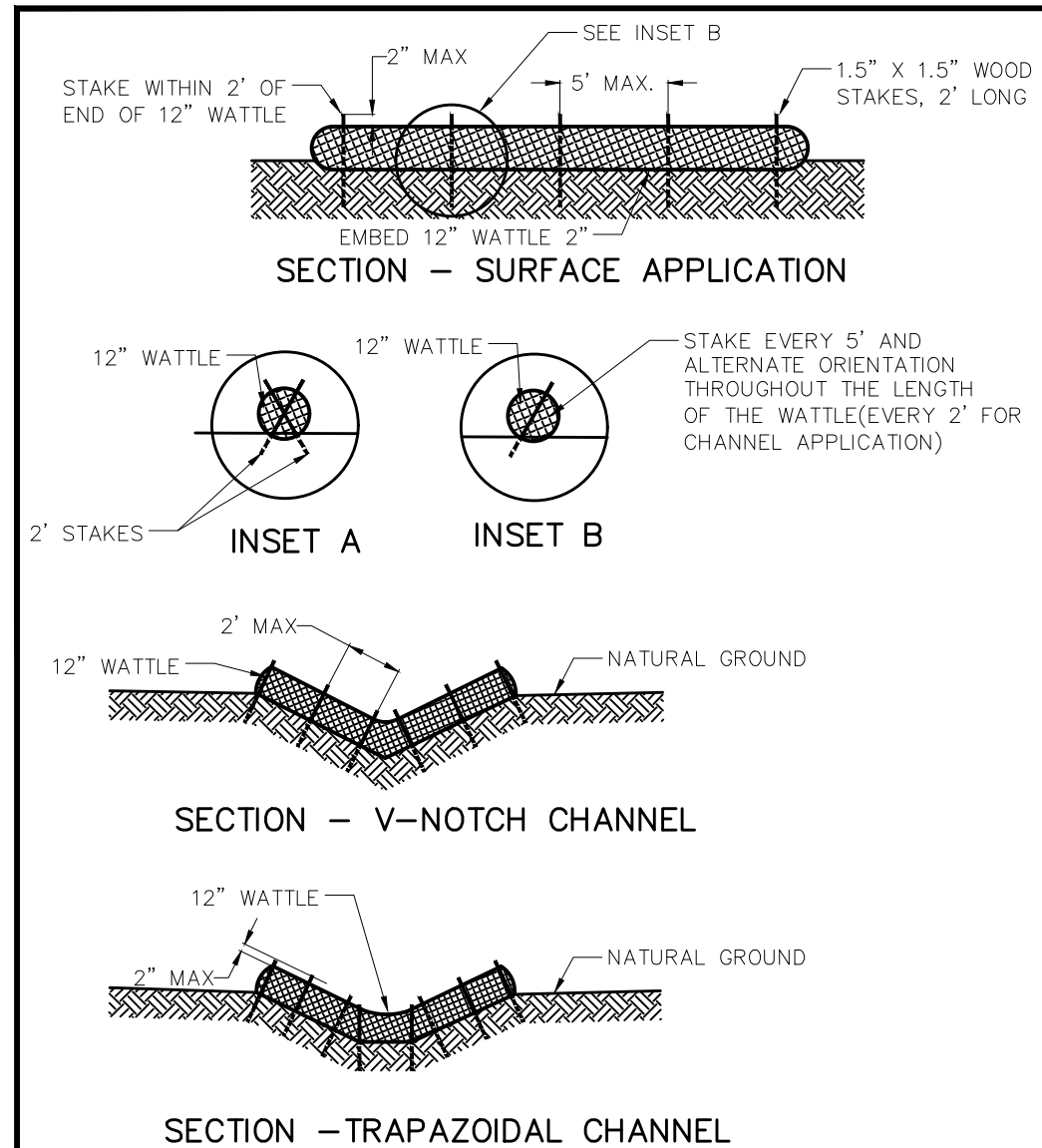
BELOW IS THE ACCEPTED GRASS MIX FOR SANDY SOILS:

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

NOTE:

"FINISH GRADE" IN THE TEMPLATES ARE ONLY APPROXIMATE GRADES. ACTUAL FINISHED GRADES WILL VARY DEPENDING ON INDIVIDUAL HOME PLOT PLANS. PLOT PLANS SHALL CLOSELY FOLLOW THE FINISH GRADE PATTERNS SHOWN IN THE TEMPLATES WITHOUT ADVERSELY AFFECTING THE GRADES AND DRAINAGE PATTERNS OF NEIGHBORING LOTS OR TRACTS. CONTOURS SHOWN ON THESE PLANS ARE ROUGH GRADES AND WILL CHANGE WITH EVERY HOME CONSTRUCTION. FIELD VERIFY ALL GRADES PRIOR DESIGN OF INDIVIDUAL HOME PLOT PLANS.

1	2	3	4	No.	Revisions	Date	Appr.	
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444								ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH GRADING/EROSION CONTROL PLAN GRADING DETAIL SHEET
Drawn by	LOG	Checked by	TAK					
Scale	AS SHOWN			36	of 37			



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)

1	2	3	4
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444			
MERIDIAN RANCH			
ROLLING HILLS RANCH NORTH FILING 1 AT MERIDIAN RANCH GRADING/EROSION CONTROL PLAN			
Scale	Drawn by LOG	Checked by TAK	Date NOVEMBER 2023
AS SHOWN			37 of 37

CRADING DETAIL SHEET	
No.	Revisions
1	
2	
3	
4	
Date	Appr.

CRADING DETAIL SHEET	
No.	Revisions
1	
2	
3	
4	
Date	Appr.