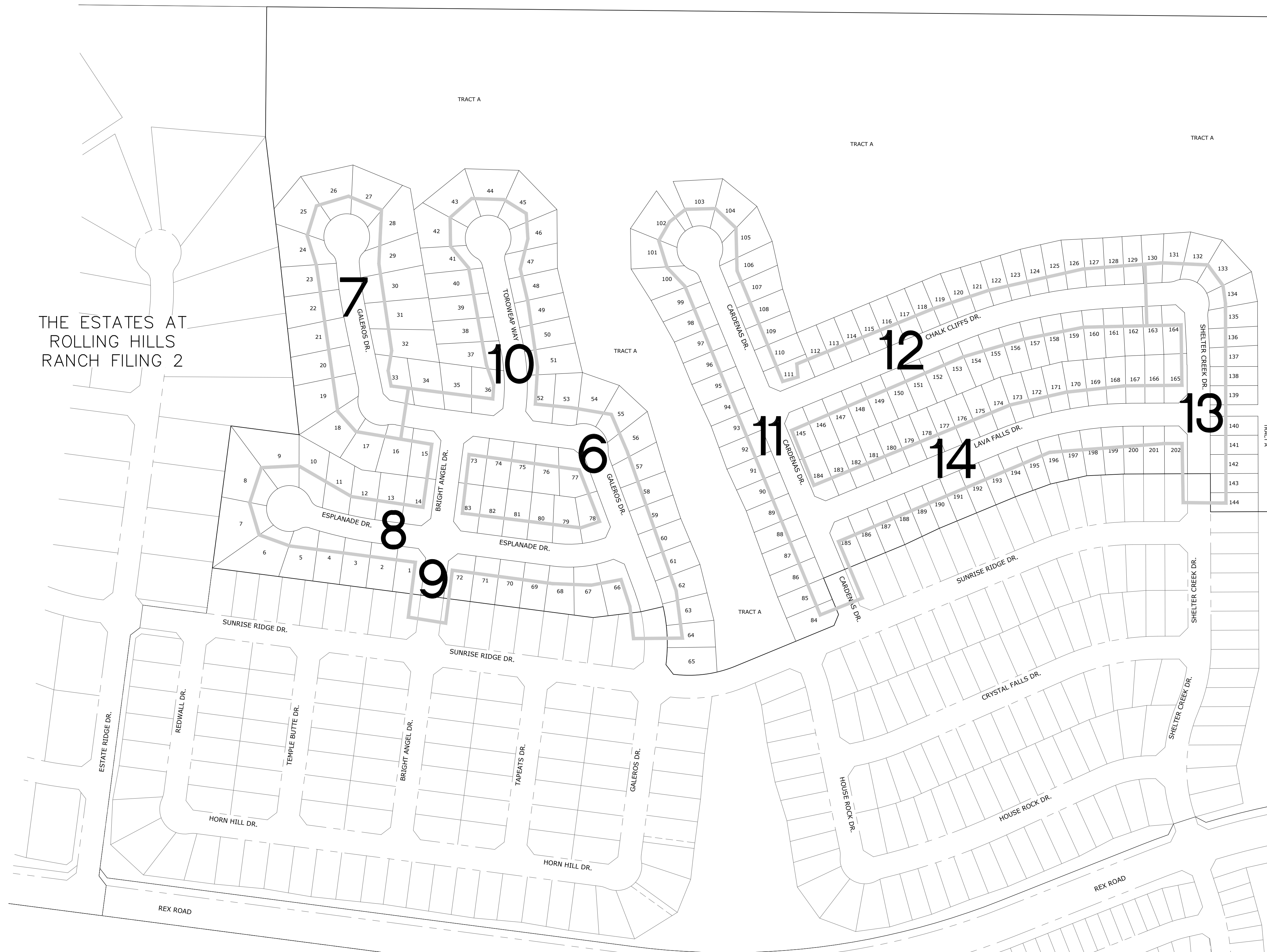


LATIGO TRAILS



THE ESTATES AT ROLLING HILLS RANCH FILING 2

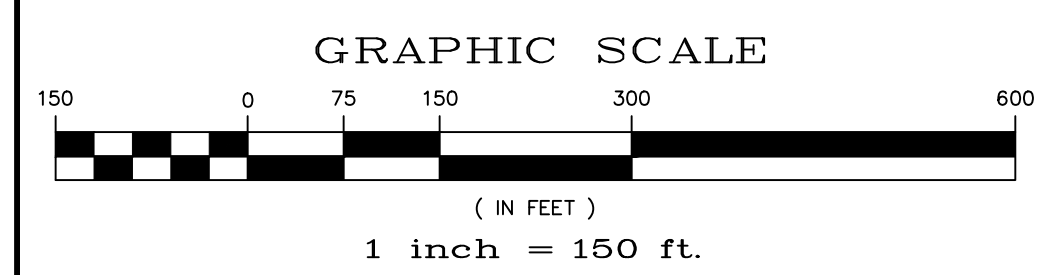
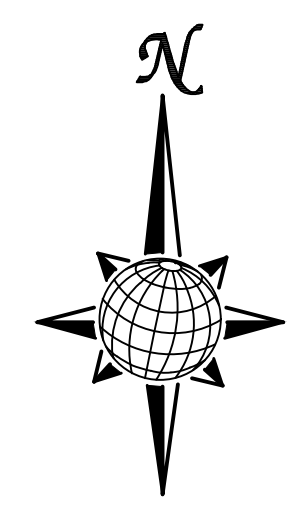
FALCON REGIONAL PARK

FALCON REGIONAL PARK

THE SANCTUARY FILING 1 AT MERIDIAN RANCH

ROLLING HILLS RANCH FILING 3

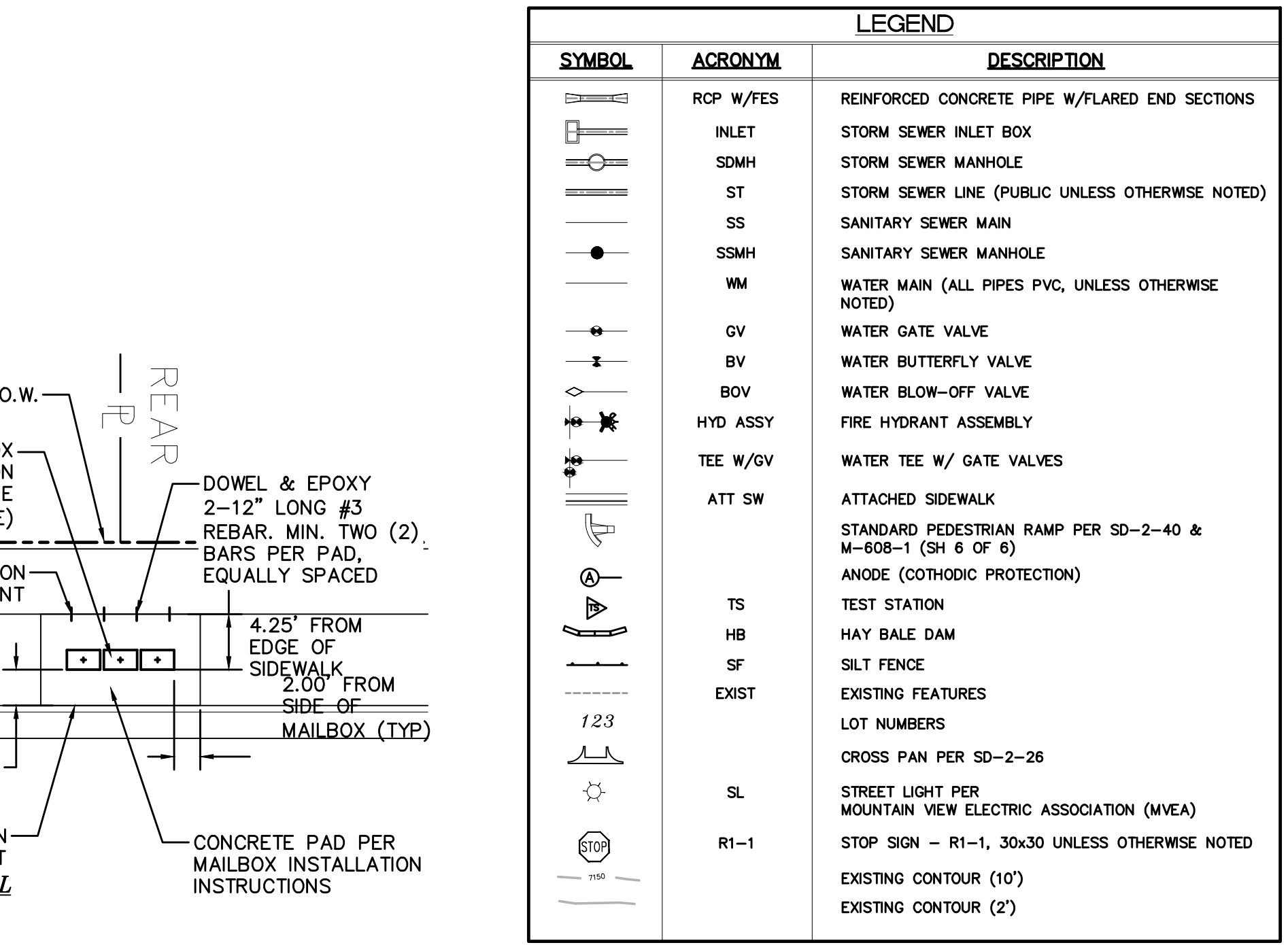
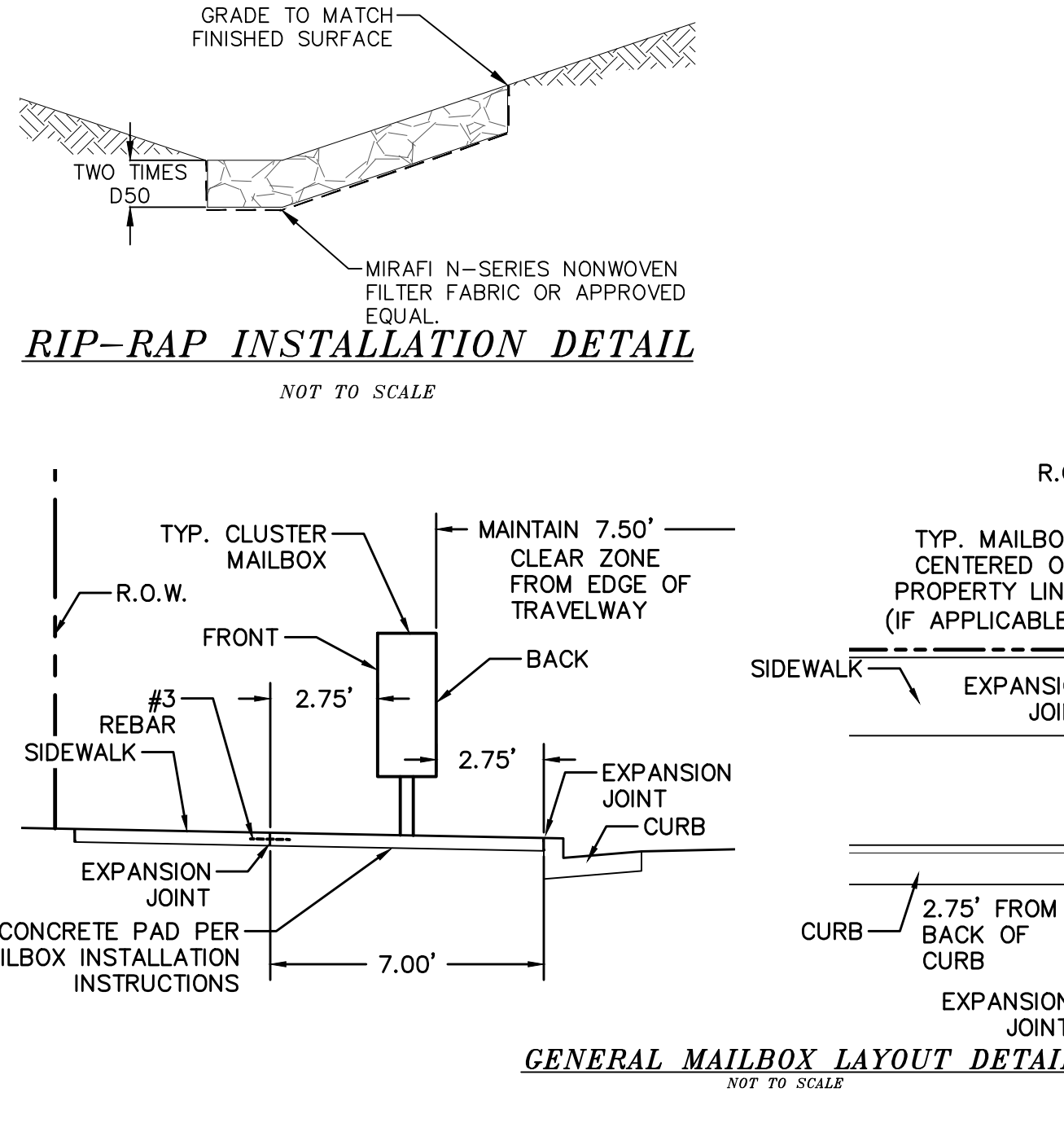
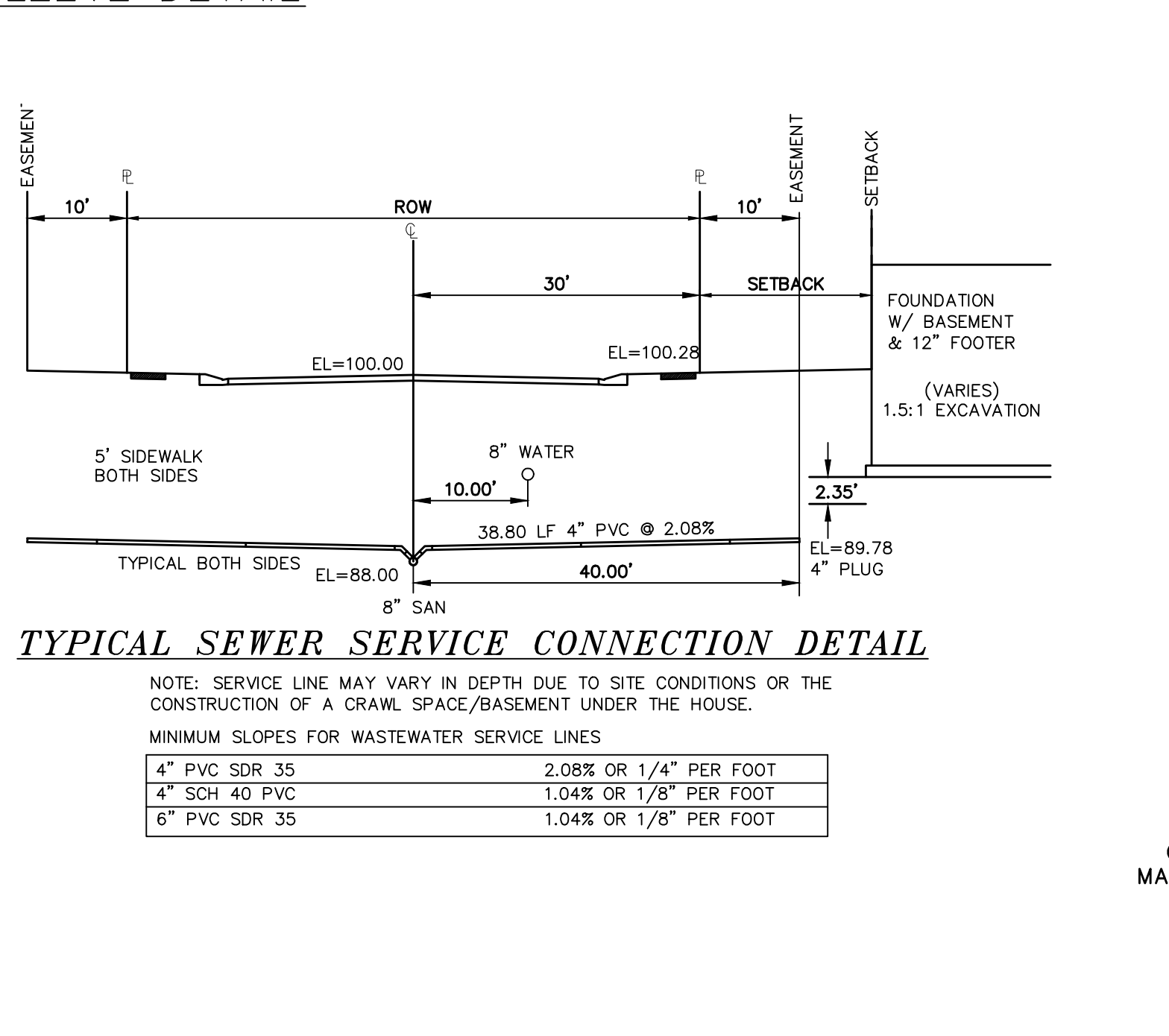
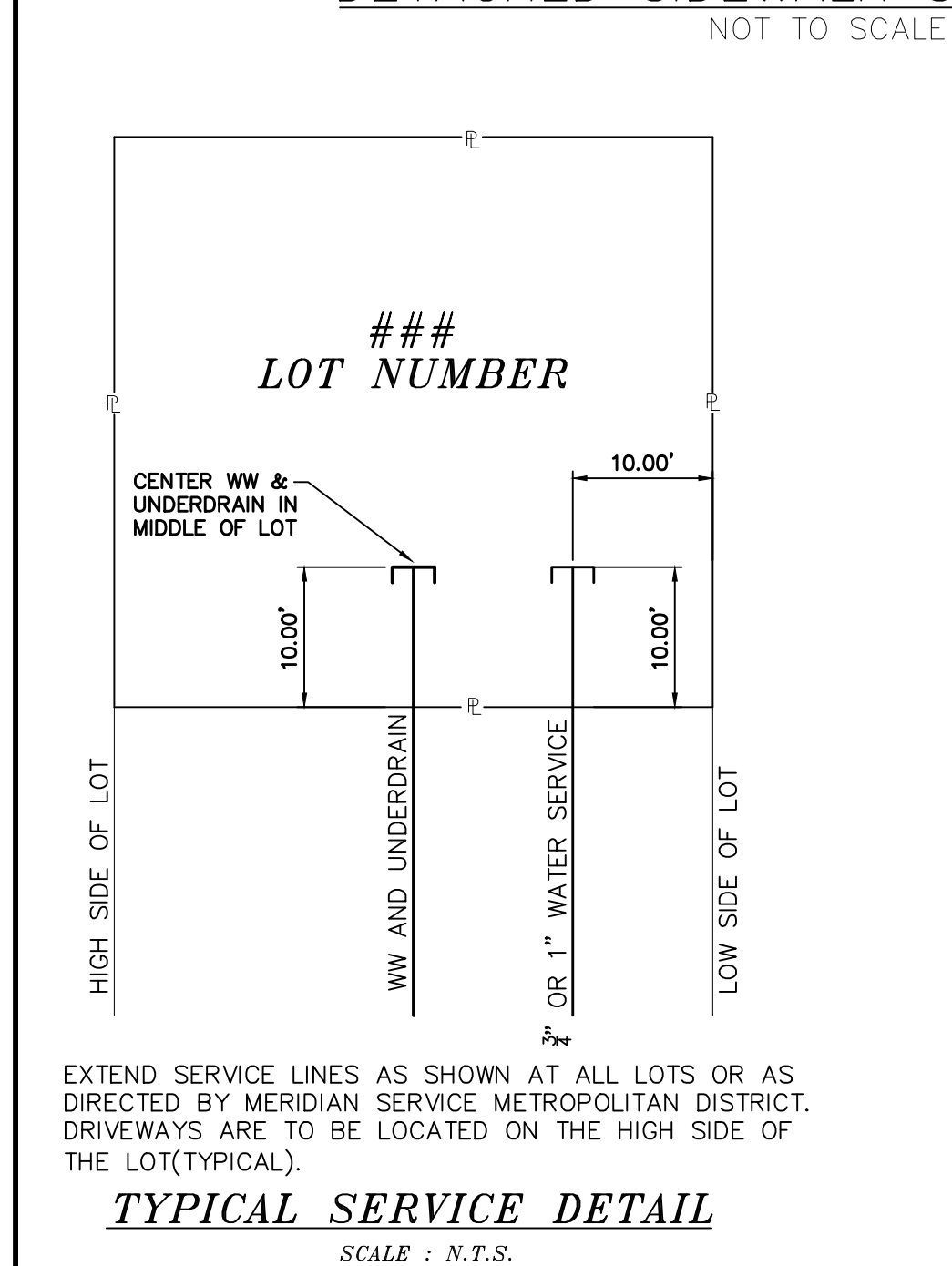
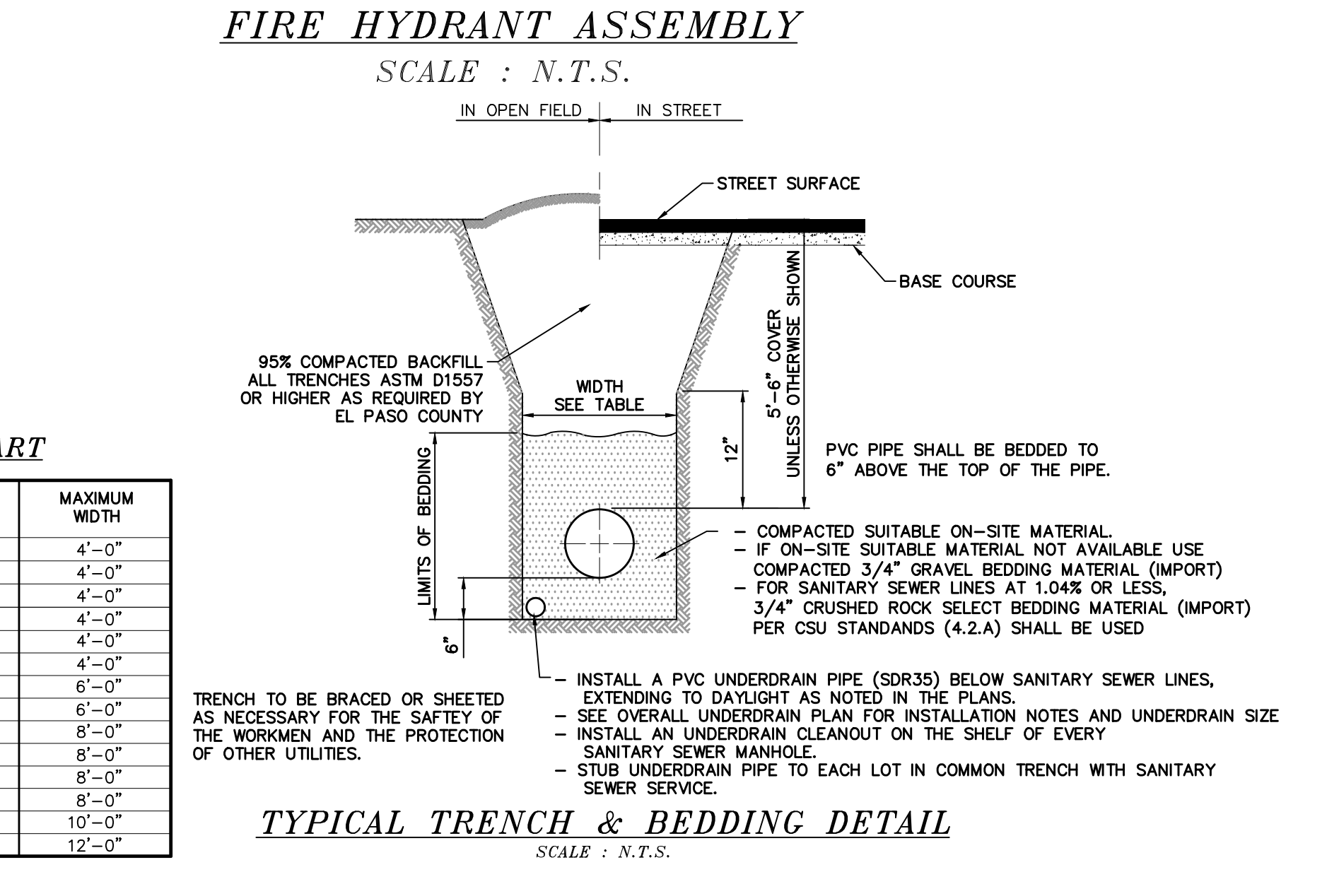
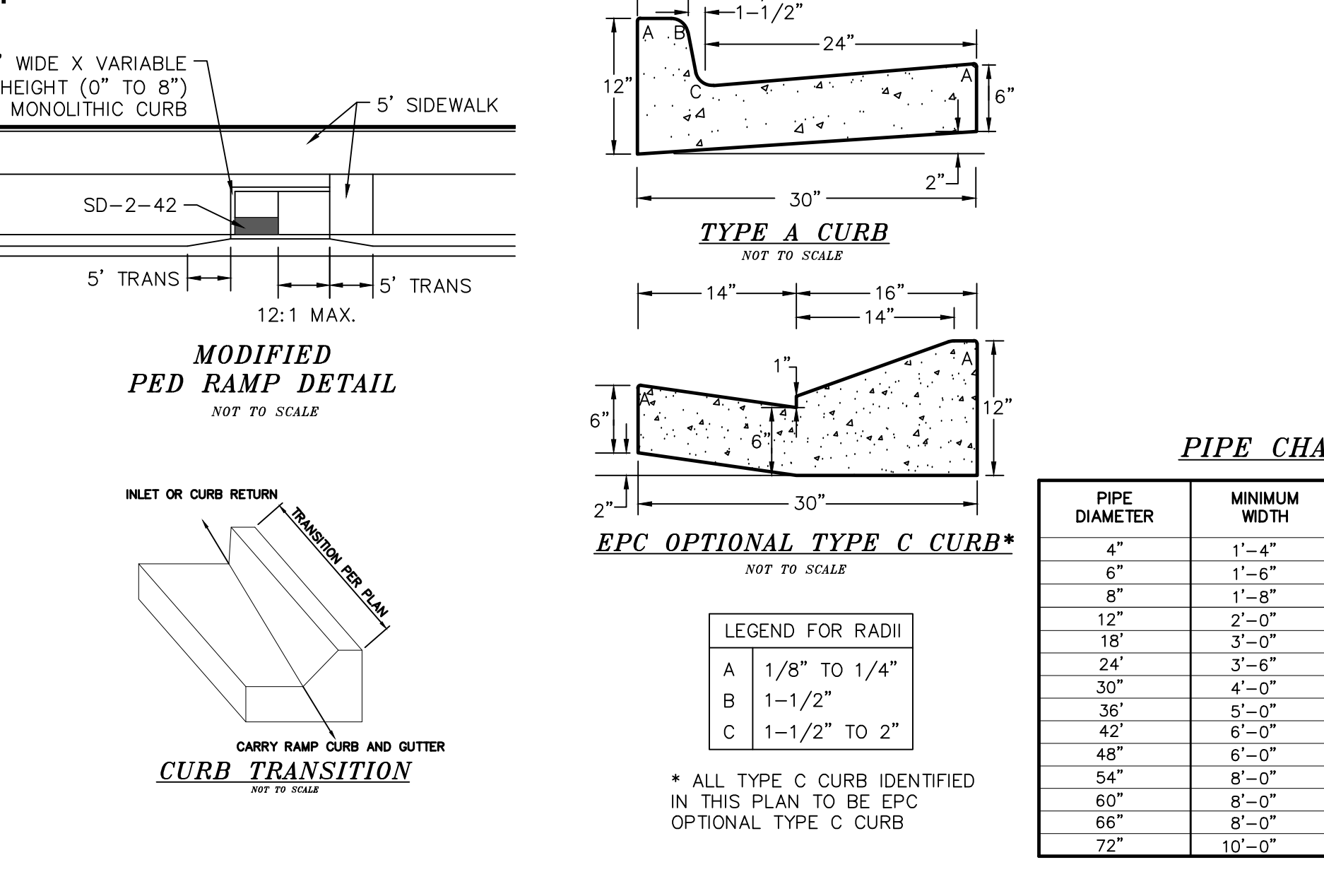
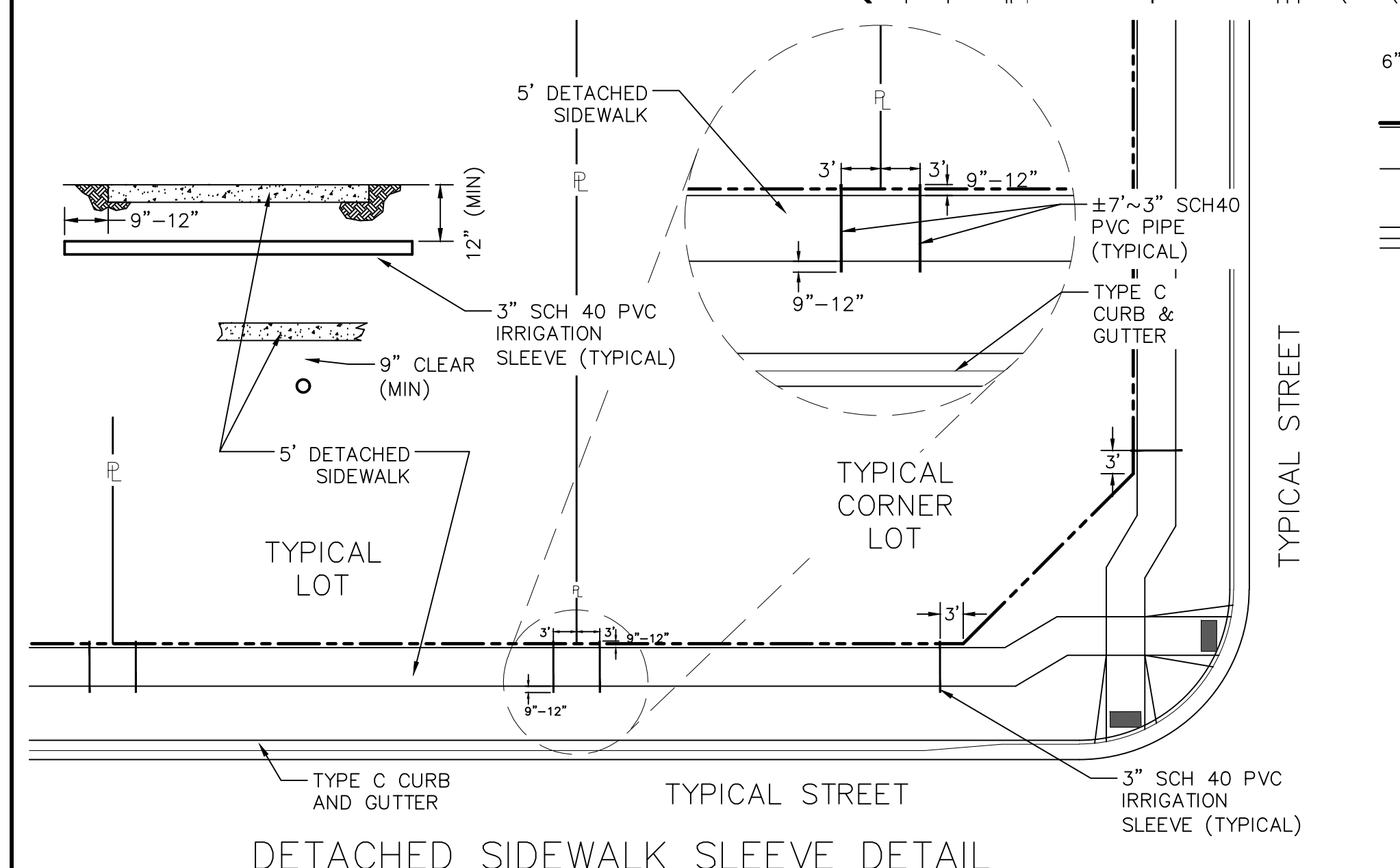
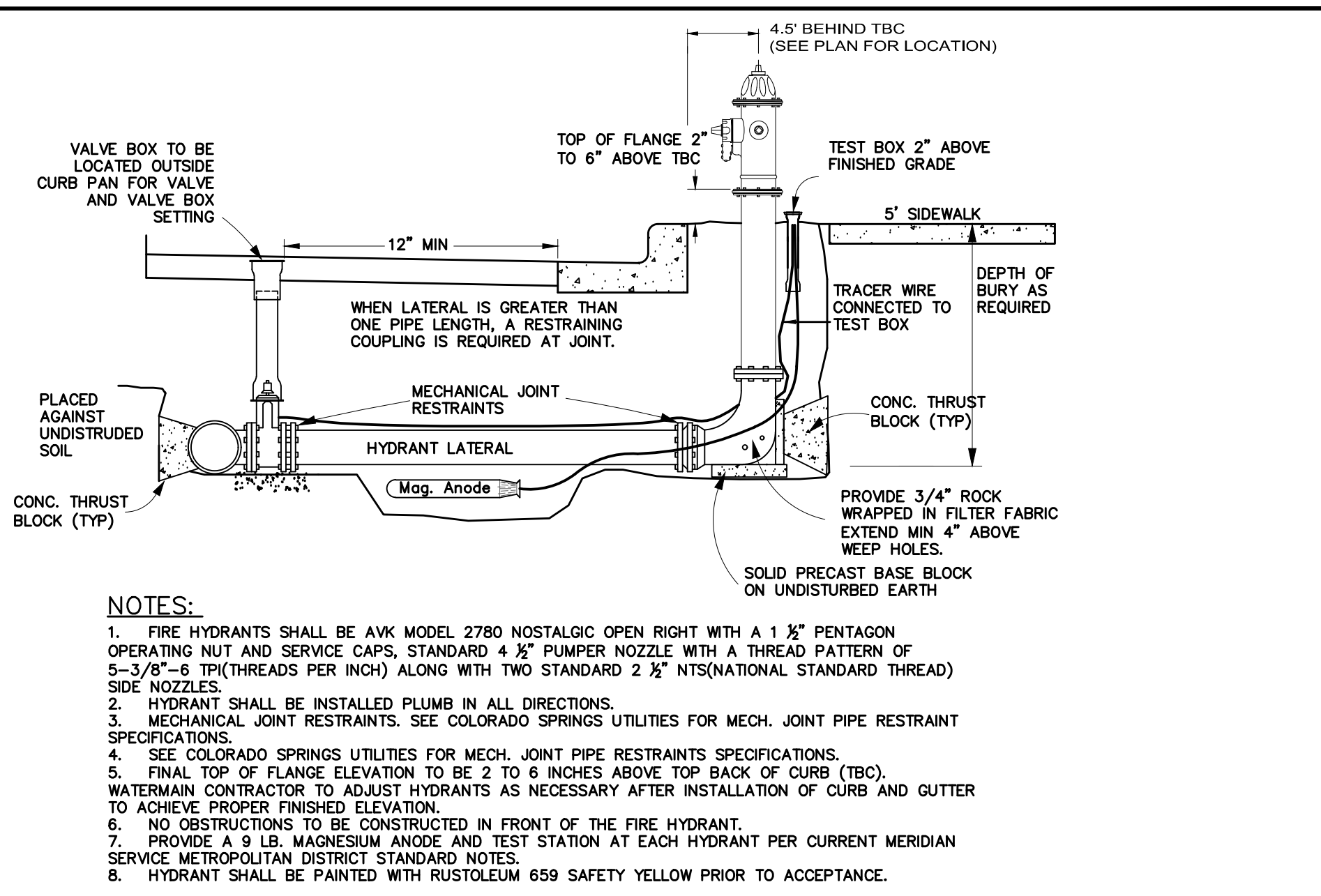
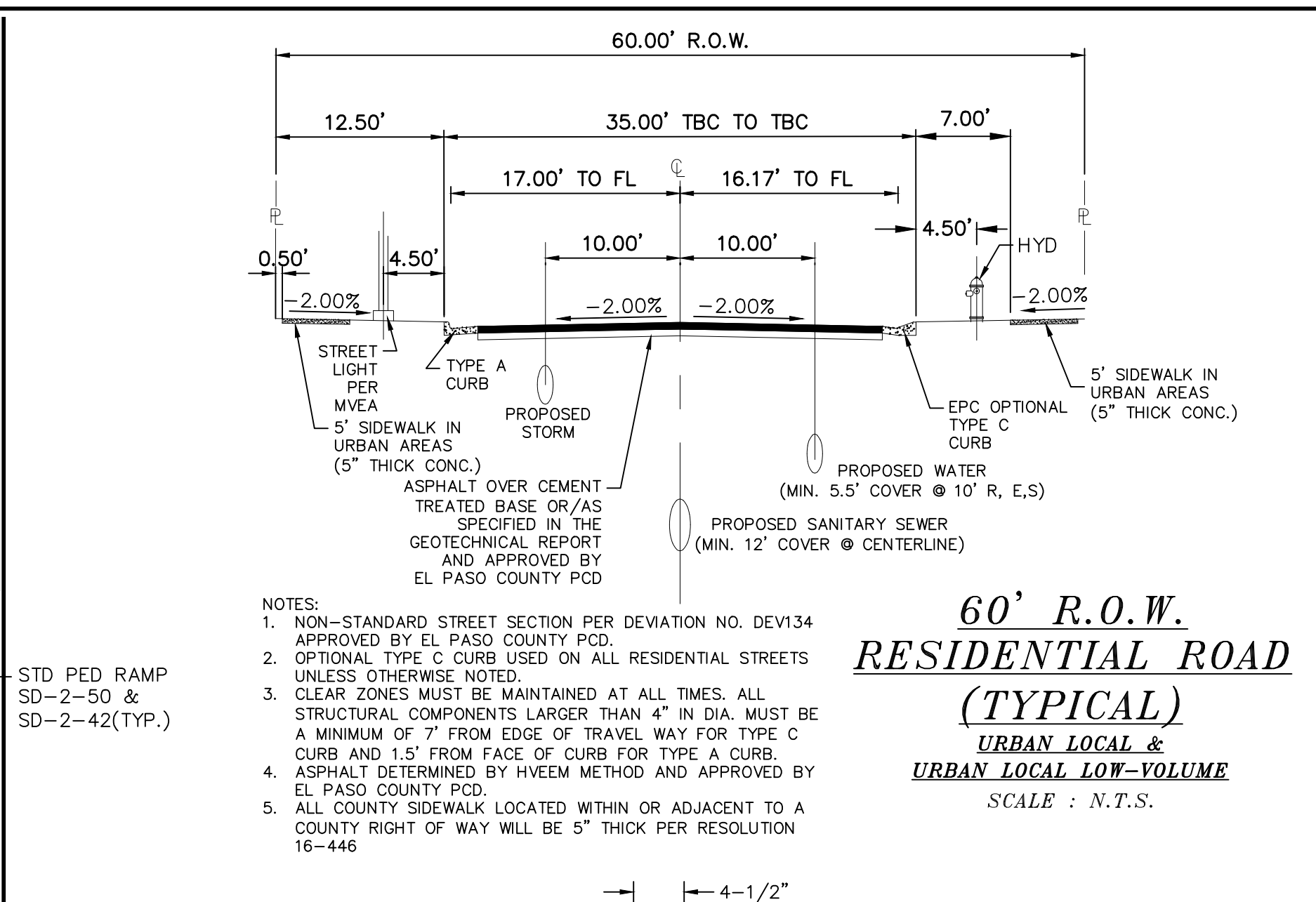
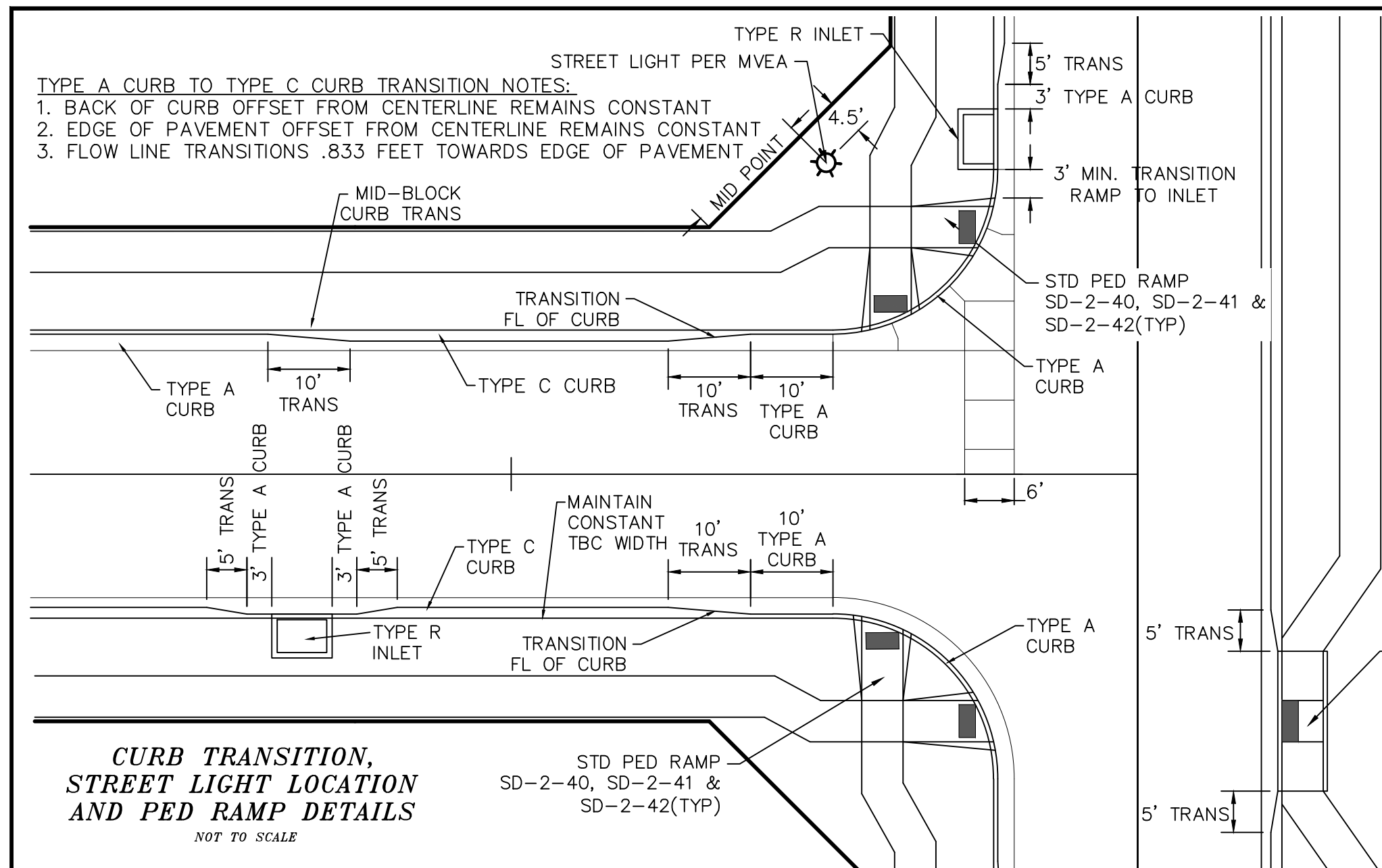
ROLLING HILLS RANCH FILING 2



TWO WORKING DAYS BEFORE YOU DIG CALL 811

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

Scale		AS SHOWN		2 of 33	
Drawn by		LOG		Checked by	
TAK		TAK		Date	
JULY 2024		INDEX SHEET		ROLLING HILLS RANCH NORTH FILING 2 AT MERIDIAN RANCH STREET AND UTILITY PLANS	
MERIDIAN RANCH		TECH CONTRACTORS		11910 TOURMALINE DR. #130	
FALCON, CO 80831		TELEPHONE:		719.495.7444	
No.		Revisions		Date	
Date		Appr.		Date	



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

MERIDIAN RANCH

ROLLING HILLS RANCH NORTH FILING 2
 AT MERIDIAN RANCH
 STREET AND UTILITY PLANS
 DETAIL SHEET

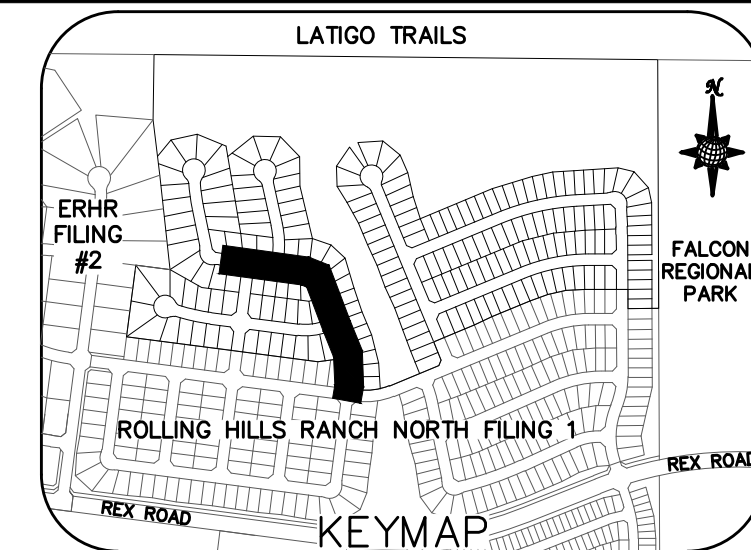
Scale AS SHOWN 4 of 33

Drawn by LOG
 Checked by TJK
 Date JULY 2024

Date
 Revisions
 No.
 Date
 Appr.

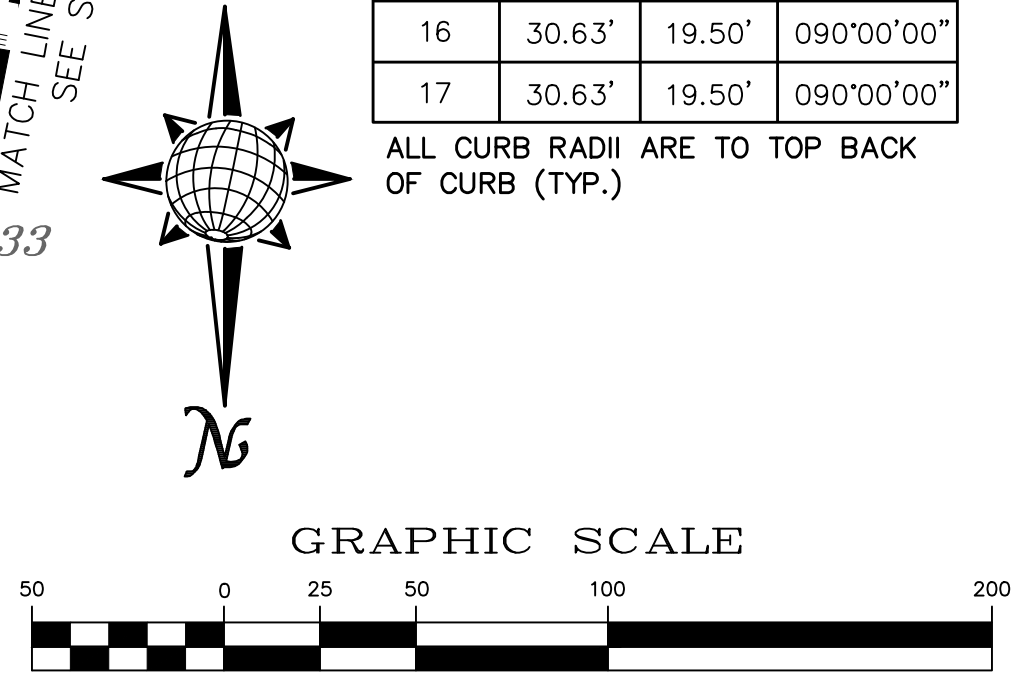
ROLLING HILLS RANCH
NORTH FILING #1

GALEROS DRIVE
SEE ROLLING HILLS
RANCH NORTH
FILING #1 PLANS



Curve Table			
CURVE	LENGTH	RADIUS	Delta
8	30.63'	19.50'	090°00'00"
9	30.63'	19.50'	090°00'00"
10	37.48'	35.45'	060°34'48"
11	28.33'	67.50'	024°03'00"
12	100.96'	52.50'	110°11'06"
13	28.33'	67.50'	024°03'00"
14	30.63'	19.50'	090°00'00"
15	30.63'	19.50'	090°00'00"
16	30.63'	19.50'	090°00'00"
17	30.63'	19.50'	090°00'00"

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



Plan and profile reviews cannot be completed until full hydraulic calculations for the gradeline are provided. Please refer to the comments in the final drainage report.

See comments on the drainage report and update all flows on the storm profiles as necessary

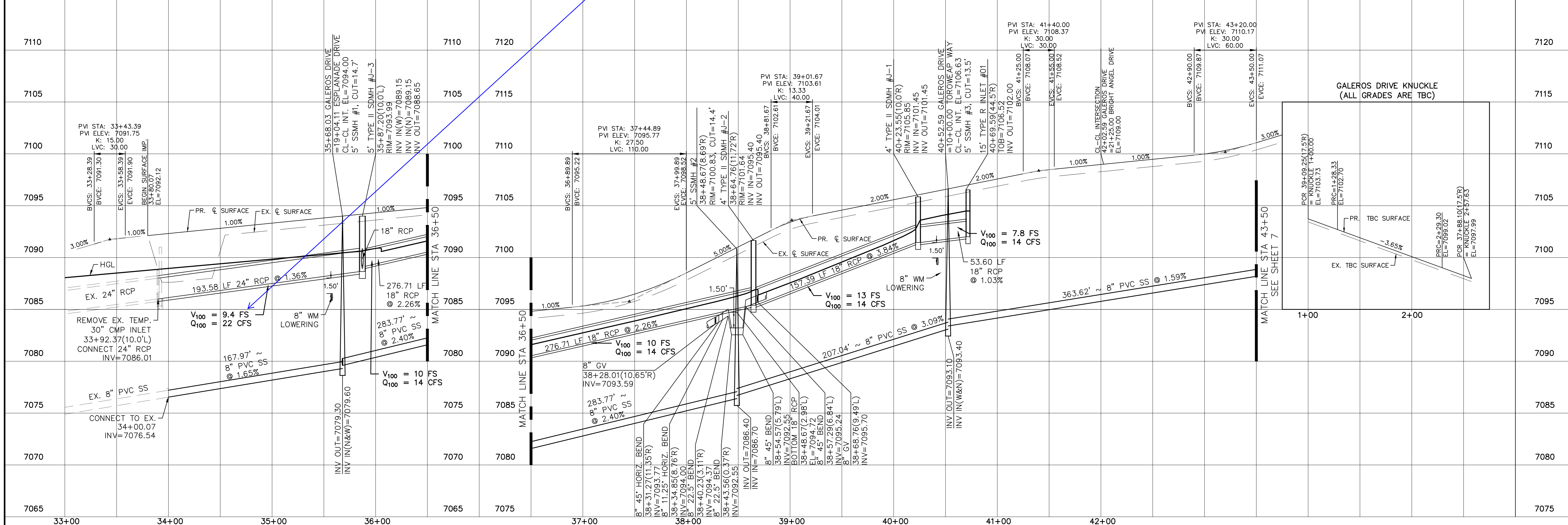
GALEROS DRIVE

URBAN LOCAL, DESIGN SPEED 25 MPH TO STA 42+40 URBAN LOCAL LOW VOLUME, DESIGN SPEED 20 MPH AFTER STA 42+40
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)

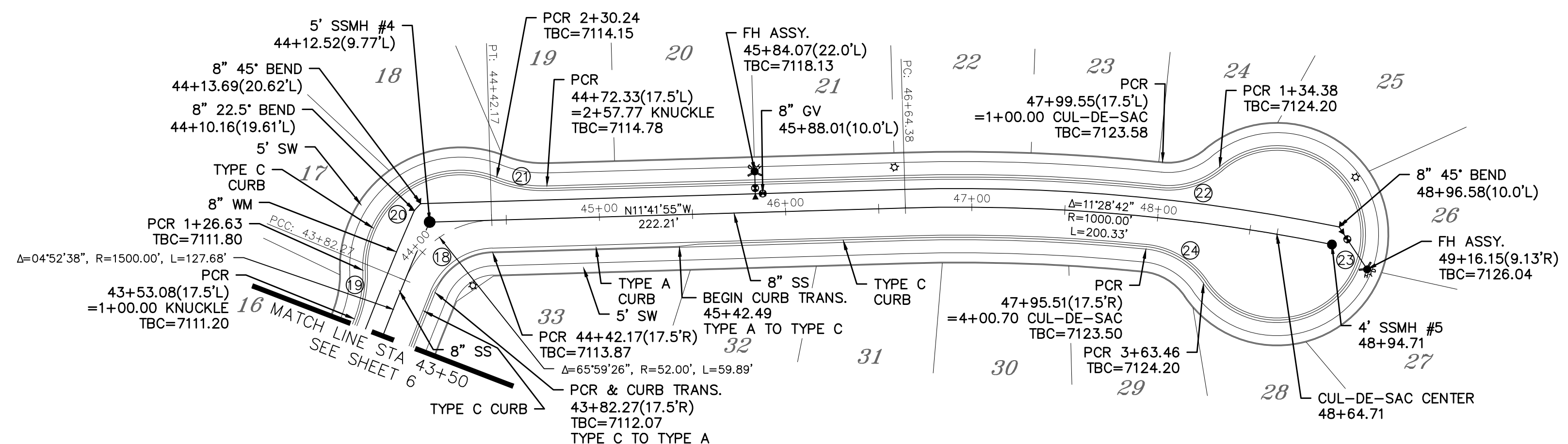
- NOTE:
- CONTRACTOR TO CONFIRM INV ELEVATION OF EXISTING 8" PVC SS PRIOR TO NEW MANHOLE AND PIPE INSTALLATION
 - CONTRACTOR TO CONFIRM INV ELEVATION OF EXISTING 24" RCP PRIOR TO NEW MANHOLE AND PIPE INSTALLATION

BEFORE YOU DIG CALL 811

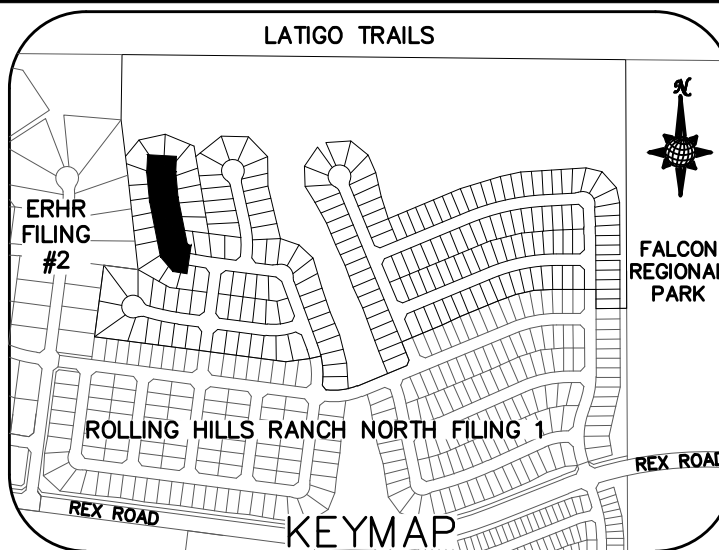
TWO WORKING DAYS
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)



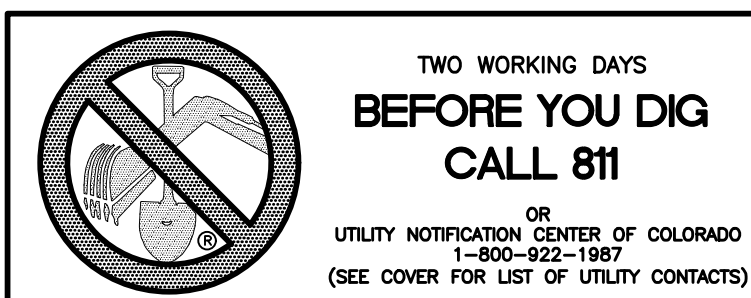
Date					
Appr.					
Revisions	No.				
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444					
MERIDIAN RANCH					
ROLLING HILLS RANCH NORTH FILING 2 AT MERIDIAN RANCH STREET AND UTILITY PLANS GALEROS DRIVE					
Scale	AS SHOWN	6 of 33	Date	JULY 2024	
Drawn by	LOG	Checked by	TAK		



Curve Table			
CURVE	LENGTH	RADIUS	Delta
18	39.74'	34.50'	065°59'26"
19	26.63'	67.50'	022°36'25"
20	103.61'	52.50'	113°04'33"
21	27.52'	67.50'	023°21'48"
22	34.38'	42.50'	046°21'00"
23	229.08'	47.50'	276°19'18"
24	37.24'	42.50'	050°12'10"

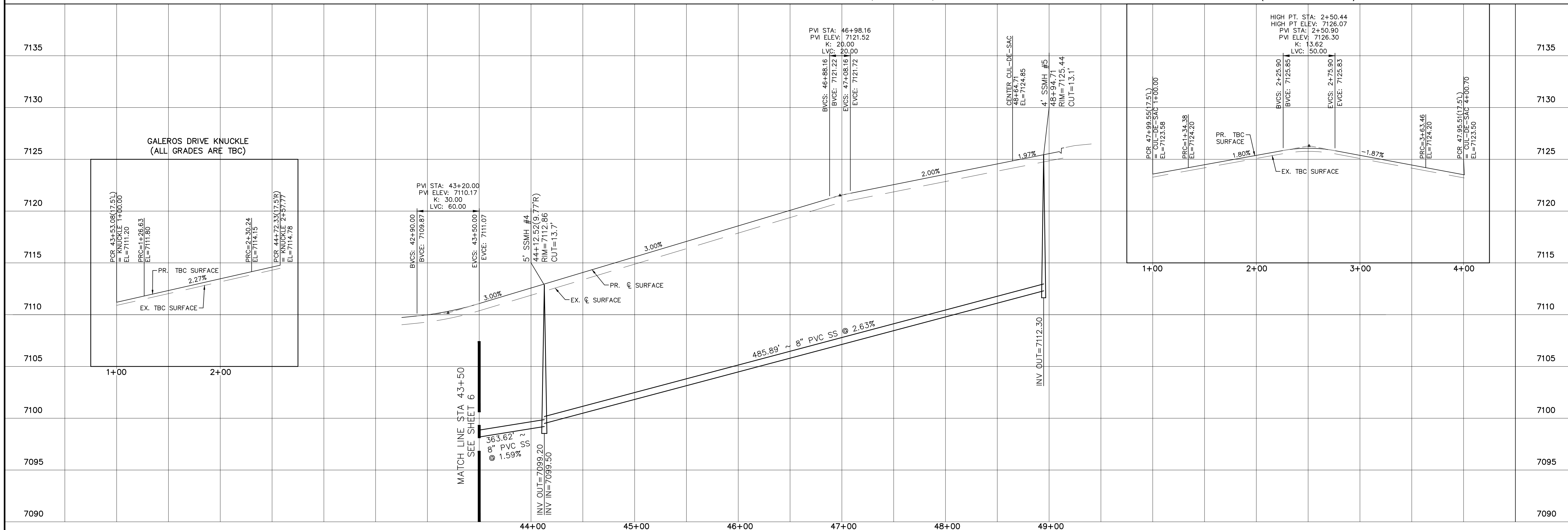
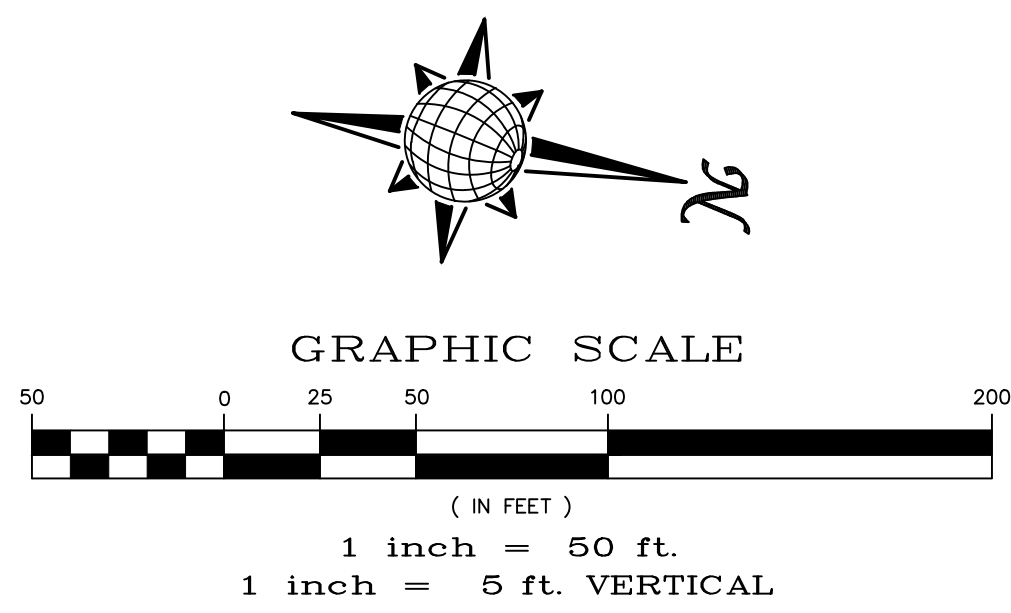


ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)

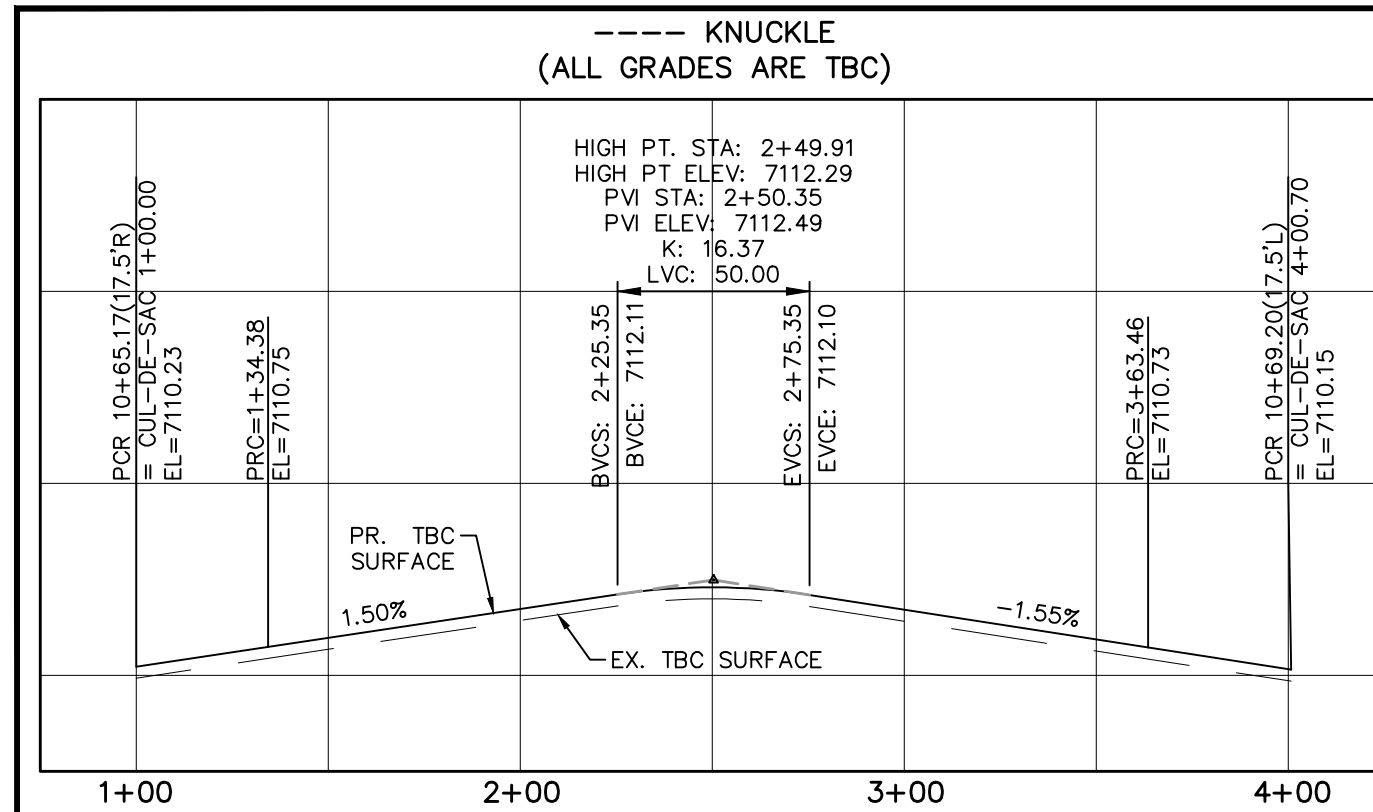


GALEROS DRIVE

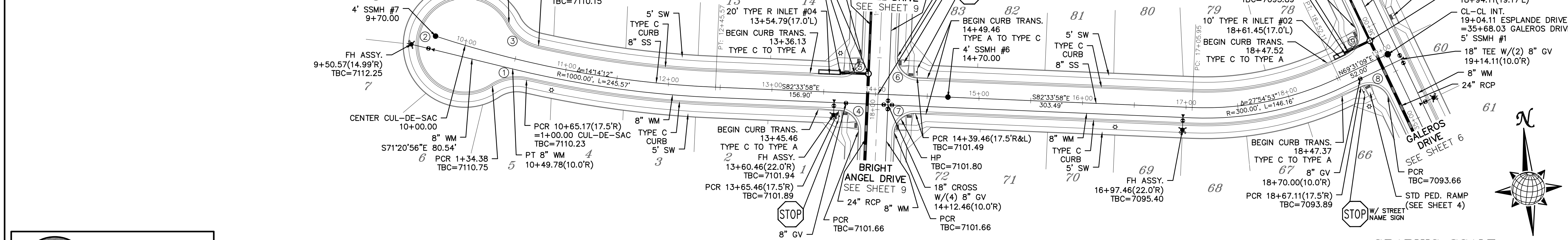
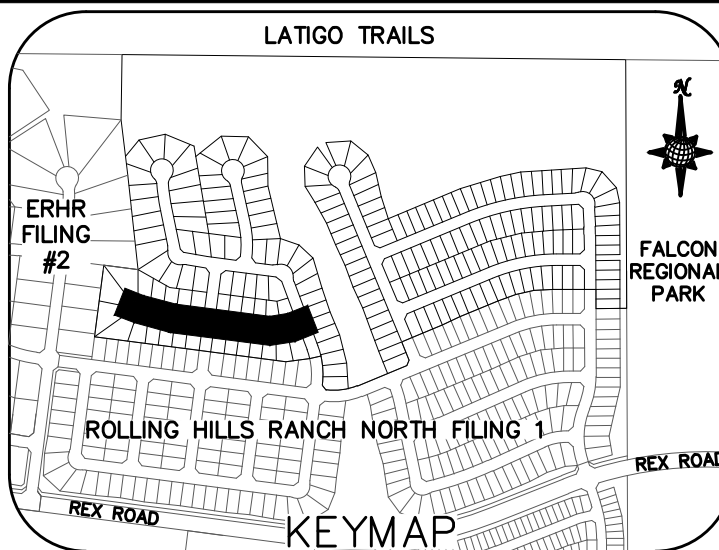
URBAN LOCAL LOW VOLUME, DESIGN SPEED 20 MPH
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)



Date		Date		Date	
Appr.		Invt.		Date	
No.		Revisions		No.	
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444					
MERIDIAN RANCH					
ROLLING HILLS RANCH NORTH FILING 2 AT MERIDIAN RANCH STREET AND UTILITY PLANS GALEROS DRIVE					
Scale	Drawn by	Checked by	Date		
AS SHOWN	LOG	TAK	JULY 2024		
7 of 33					

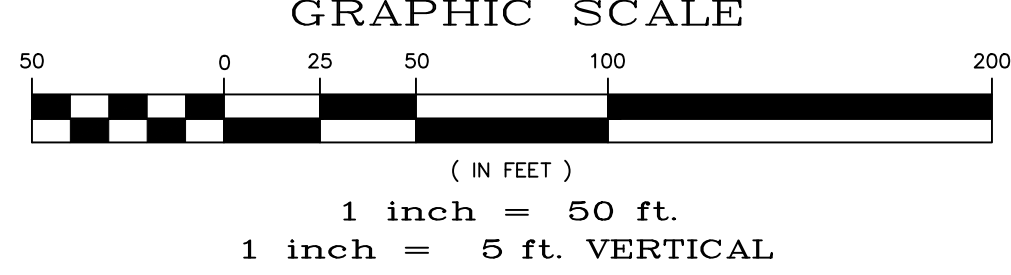


Curve Table				Curve Table			
CURVE	LENGTH	RADIUS	Delta	CURVE	LENGTH	RADIUS	Delta
1	34.38'	42.50'	046°21'00"	6	30.63'	19.50'	090°00'00"
2	229.08'	47.50'	276°19'18"	7	30.63'	19.50'	090°00'00"
3	37.24'	42.50'	050°12'10"	8	30.63'	19.50'	090°00'00"
4	30.63'	19.50'	090°00'00"	9	30.63'	19.50'	090°00'00"
5	30.63'	19.50'	090°00'00"	ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)			



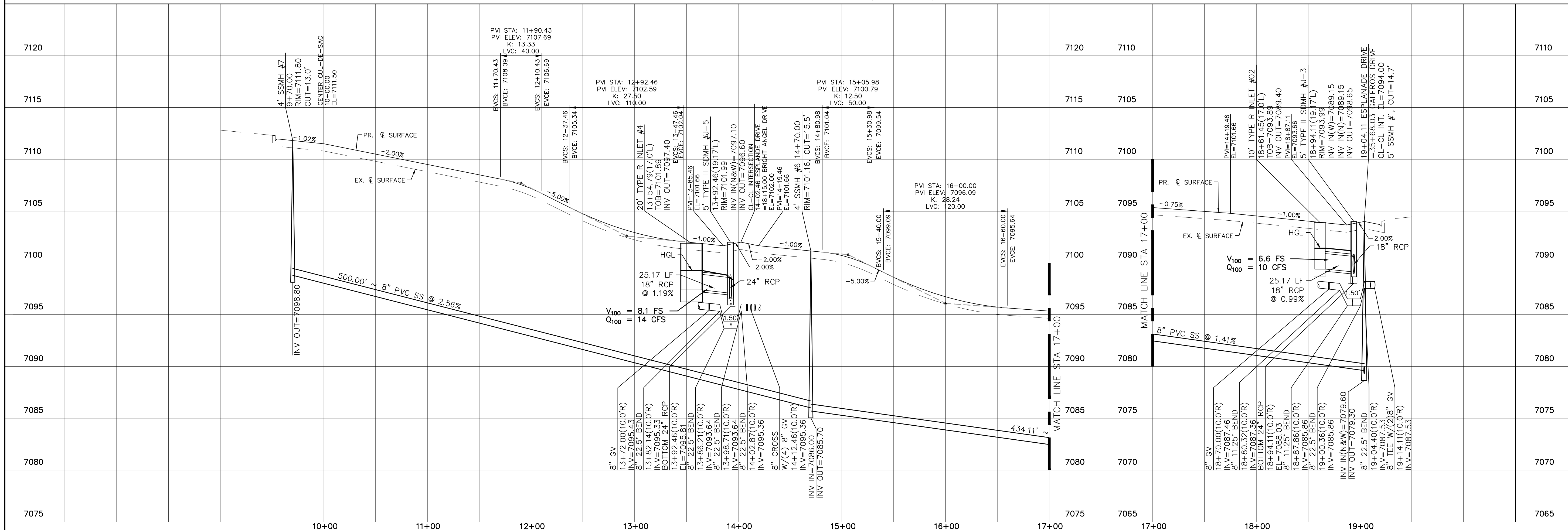
ESPLANDE DRIVE

URBAN LOCAL LOW VOLUME, DESIGN SPEED 20 MPH TO STA 13+65, URBAN LOCAL, DESIGN SPEED 25 MPH AFTER STA 13+65
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		Appr.	
Date		Revisions	
No.	1		
No.	2		
No.	3		
No.	4		

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

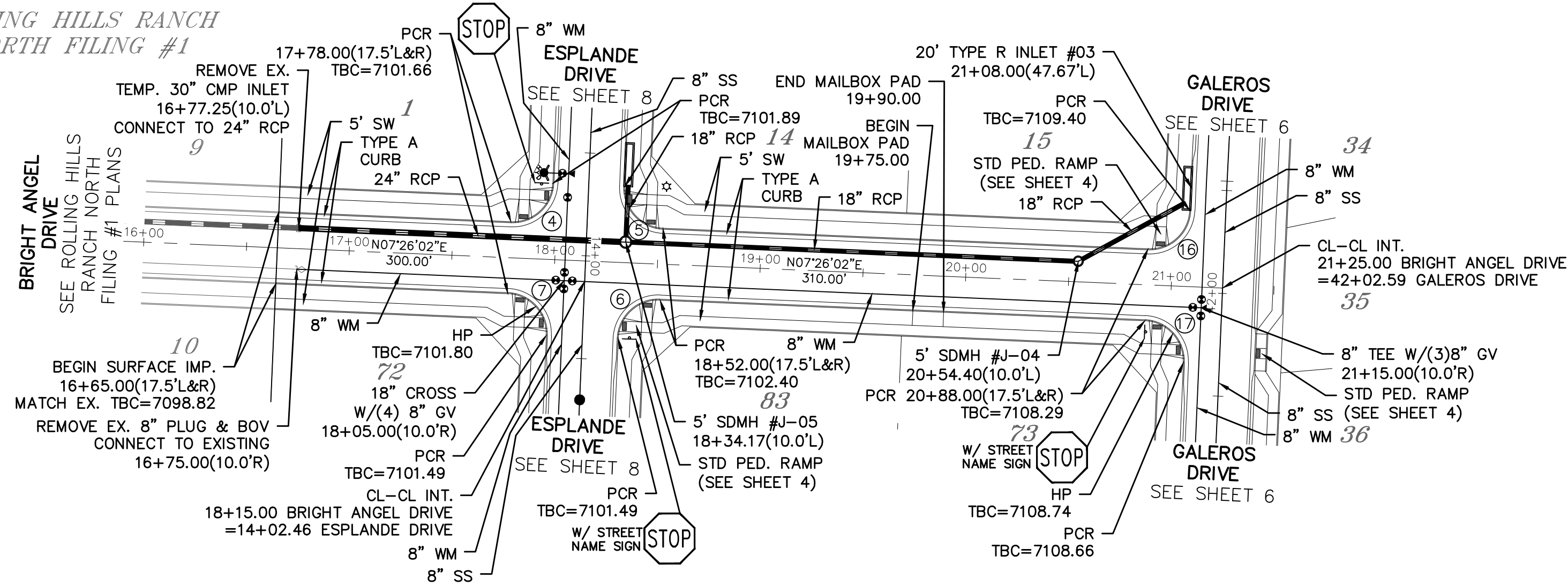
MERIDIAN RANCH

ROLLING HILLS RANCH NORTH FILING 2
AT MERIDIAN RANCH
STREET AND UTILITY PLANS
ESPLANDE DRIVE

Scale AS SHOWN
8 of 33

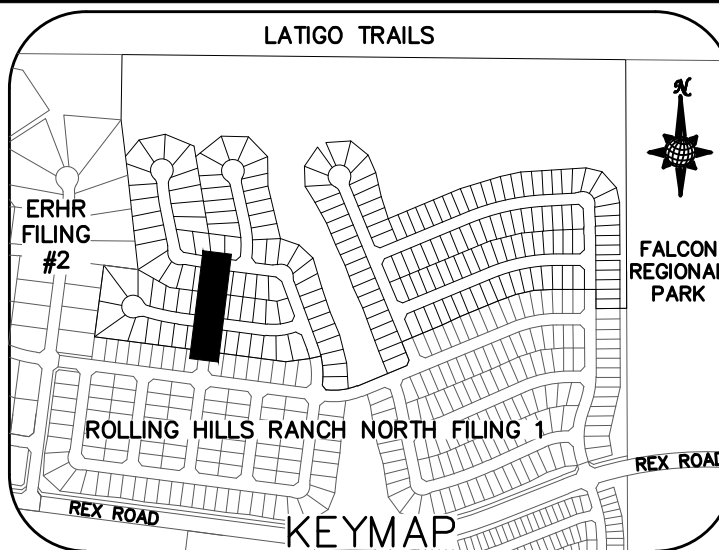
Drawn by LOG
Checked by TJK
Date JULY 2024

ROLLING HILLS RANCH
NORTH FILING #1



Curve Table			
CURVE	LENGTH	RADIUS	Delta
4	30.63'	19.50'	090°00'00"
5	30.63'	19.50'	090°00'00"
6	30.63'	19.50'	090°00'00"
7	30.63'	19.50'	090°00'00"
16	30.63'	19.50'	090°00'00"
17	30.63'	19.50'	090°00'00"

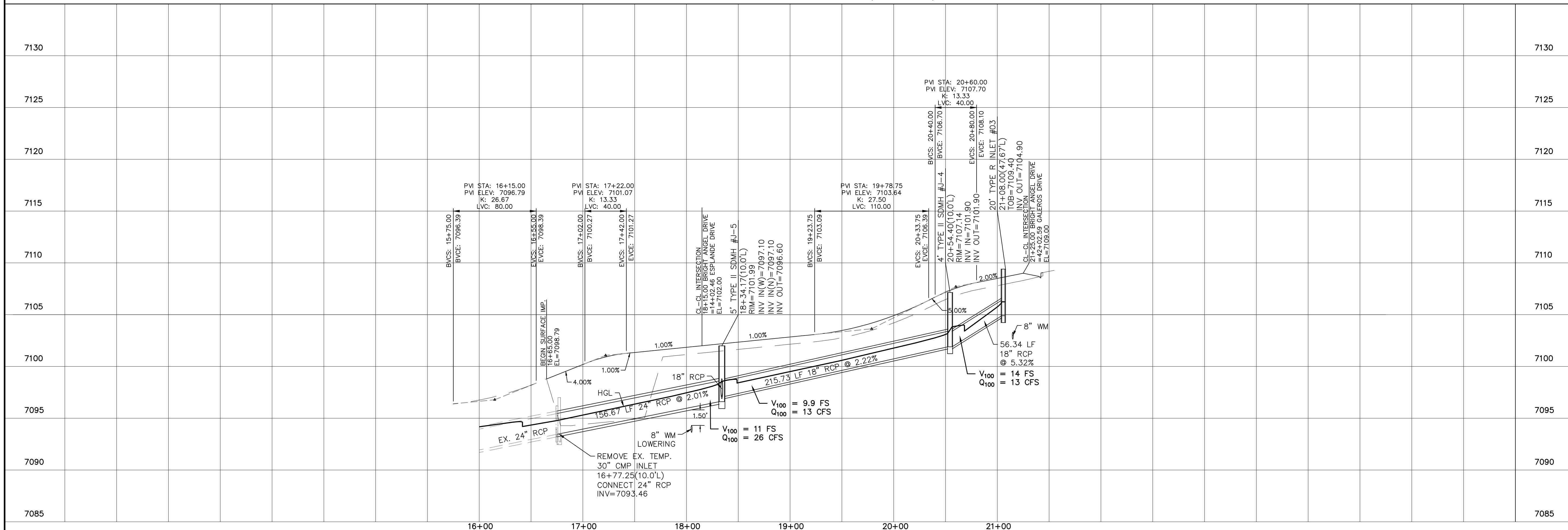
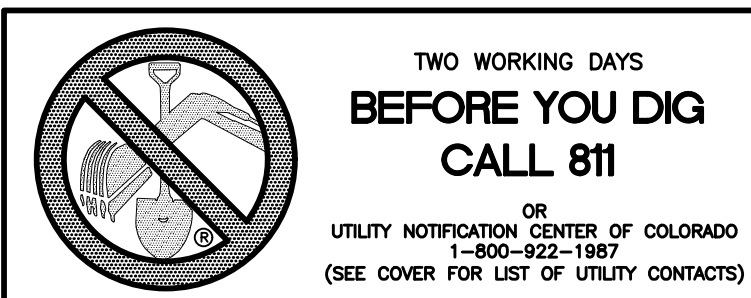
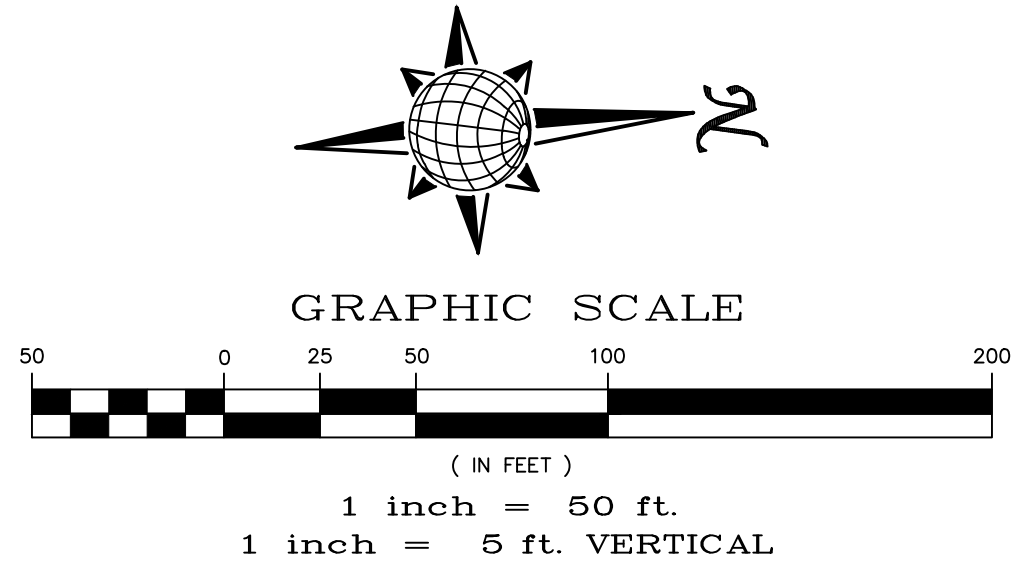
ALL CURB RADII ARE TO TOP BACK OF CURB (TYP.)



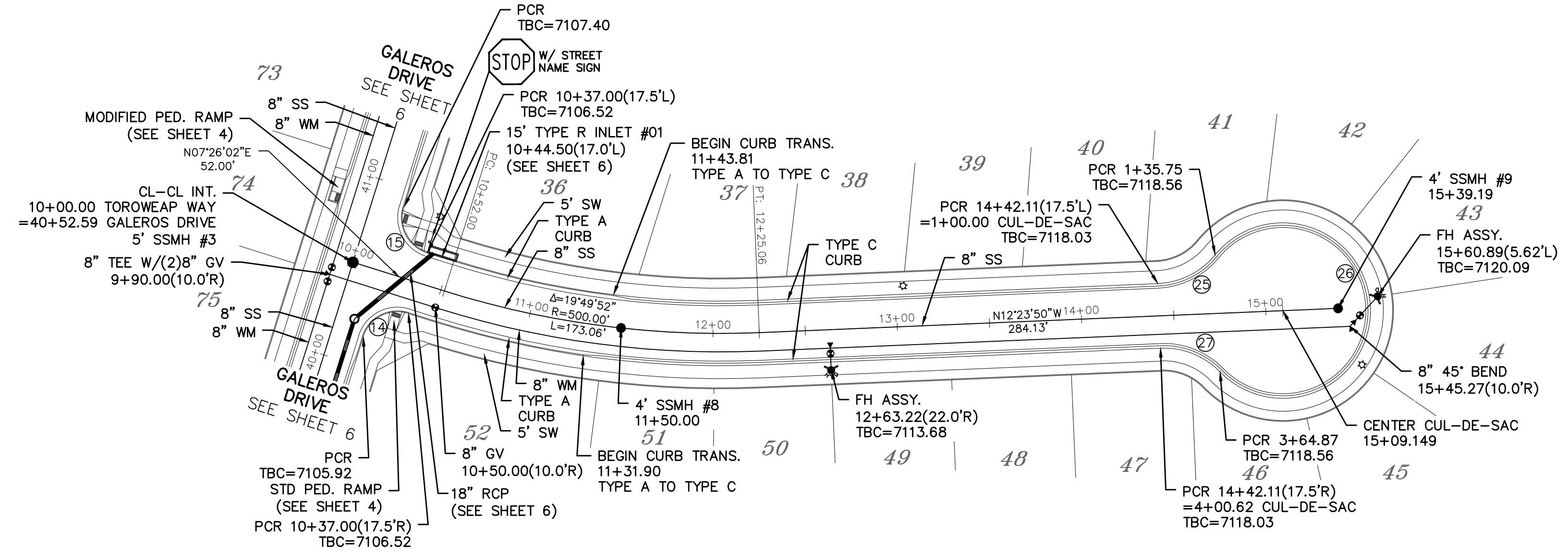
NOTE:
1) CONTRACTOR TO CONFIRM INV ELEVATION OF EXISTING 24" RCP PRIOR TO NEW MANHOLE AND PIPE INSTALLATION

BRIGHT ANGEL DRIVE

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

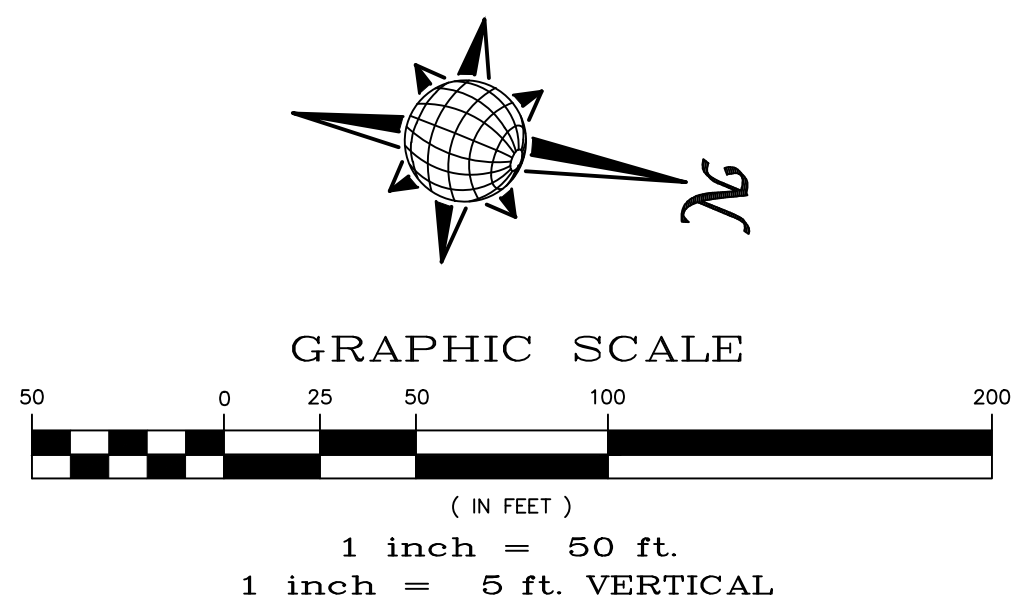
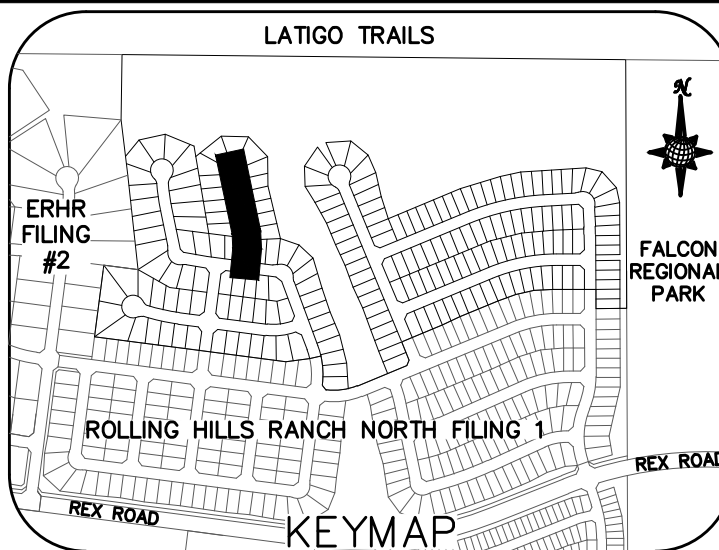


Date		Appr.	
Date		Invt.	
Date		Date	
No.		Revisions	
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444			
MERIDIAN RANCH			
ROLLING HILLS RANCH NORTH FILING 2 AT MERIDIAN RANCH STREET AND UTILITY PLANS BRIGHT ANGEL DRIVE			
Scale	AS SHOWN	9 of 33	Date
Drawn by	LOG	Checked by	TAK
		JULY 2024	



Curve Table			
CURVE	LENGTH	RADIUS	Delta
1	34.38'	42.50'	046°21'00"
2	229.08'	47.50'	276°19'18"
3	37.24'	42.50'	050°12'10"
4	30.63'	19.50'	090°00'00"
5	30.63'	19.50'	090°00'00"

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



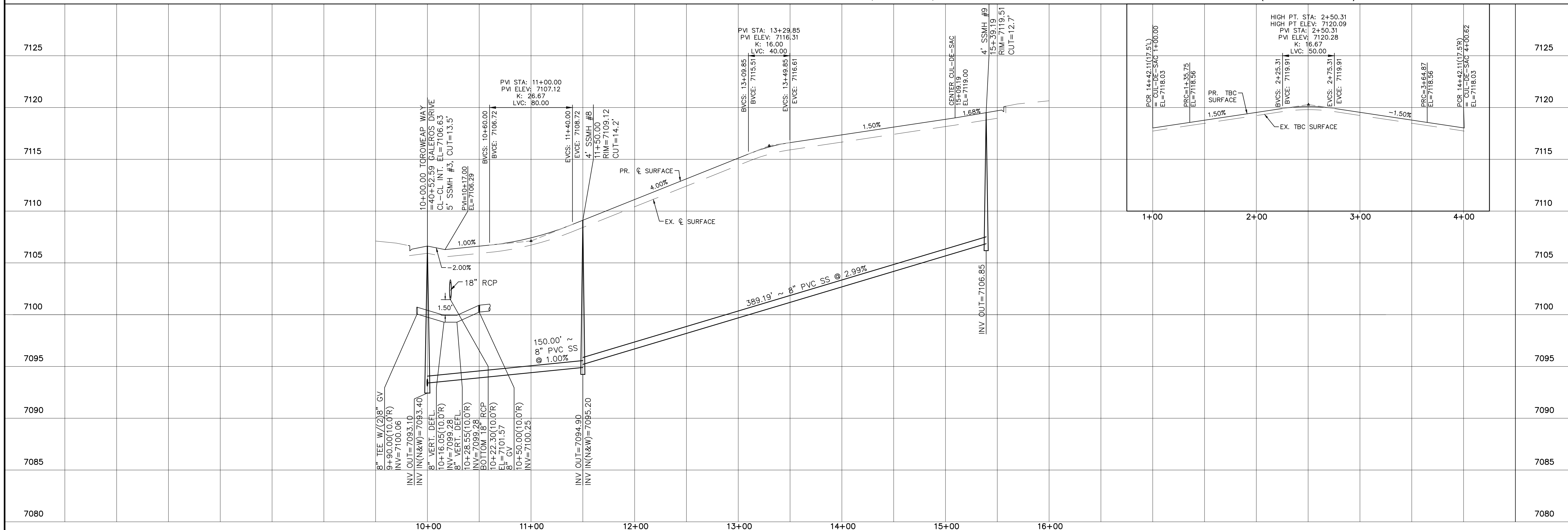
TOROWEAP WAY

URBAN LOCAL LOW VOLUME, DESIGN SPEED 20 MPH
60' WIDE RIGHT OF WAY, 30' WIDE ASPHALT PAVEMENT (EDGE TO EDGE)

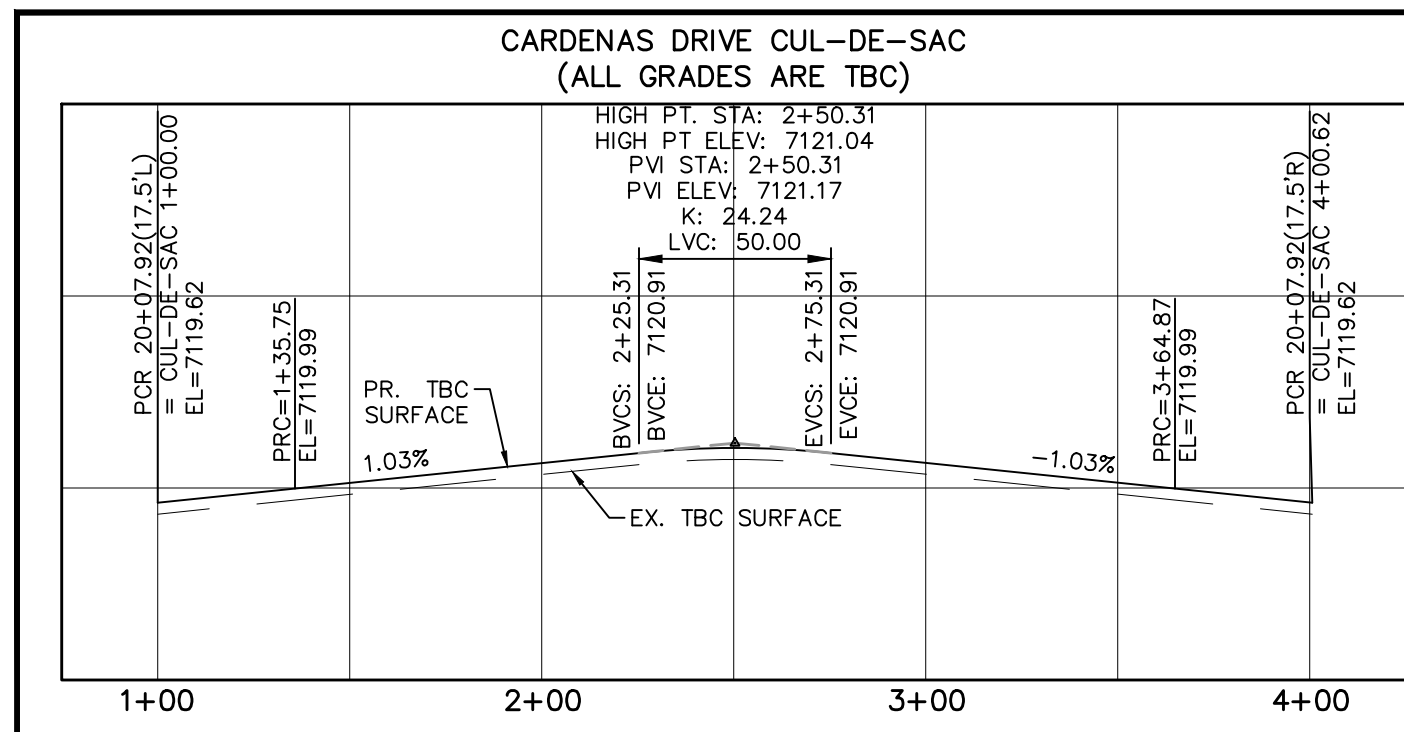
TOROWEAP WAY CUL-DE-SAC
(ALL GRADES ARE TBC)

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

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



Date	Appr.	Invt.	Date
No.	Revisions		
1	TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444		
MERIDIAN RANCH			
ROLLING HILLS RANCH NORTH FILING 2 AT MERIDIAN RANCH STREET AND UTILITY PLANS TOROWEAP WAY			
Scale	Drawn by	Checked by	Date
AS SHOWN	LOG	TAK	JULY 2024
10 of 33			



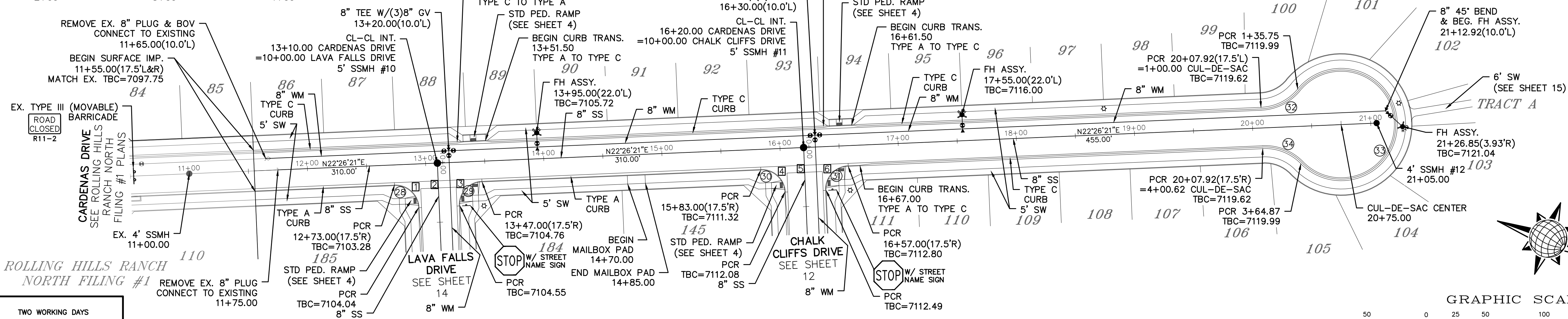
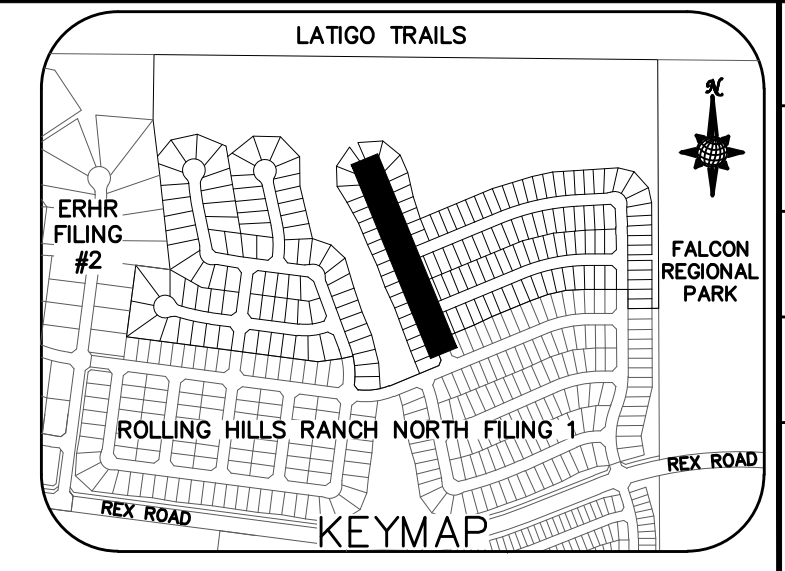
INSTALL CROSS PAN PER COUNTY STD SD-2-26

1	= 7103.18
2	= 7103.52
3	= 7103.86
4	= 7111.22
5	= 7111.56
6	= 7111.90

Curve Table

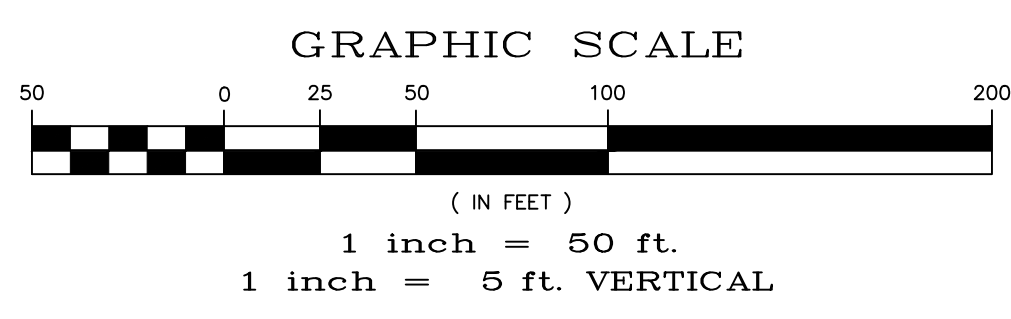
CURVE	LENGTH	RADIUS	Delta
28	30.63'	19.50'	090°00'00"
29	30.63'	19.50'	090°00'00"
30	30.63'	19.50'	090°00'00"
31	30.63'	19.50'	090°00'00"
32	35.75'	42.50'	048°11'23"
33	229.13'	47.50'	276°22'46"
34	35.75'	42.50'	048°11'23"

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



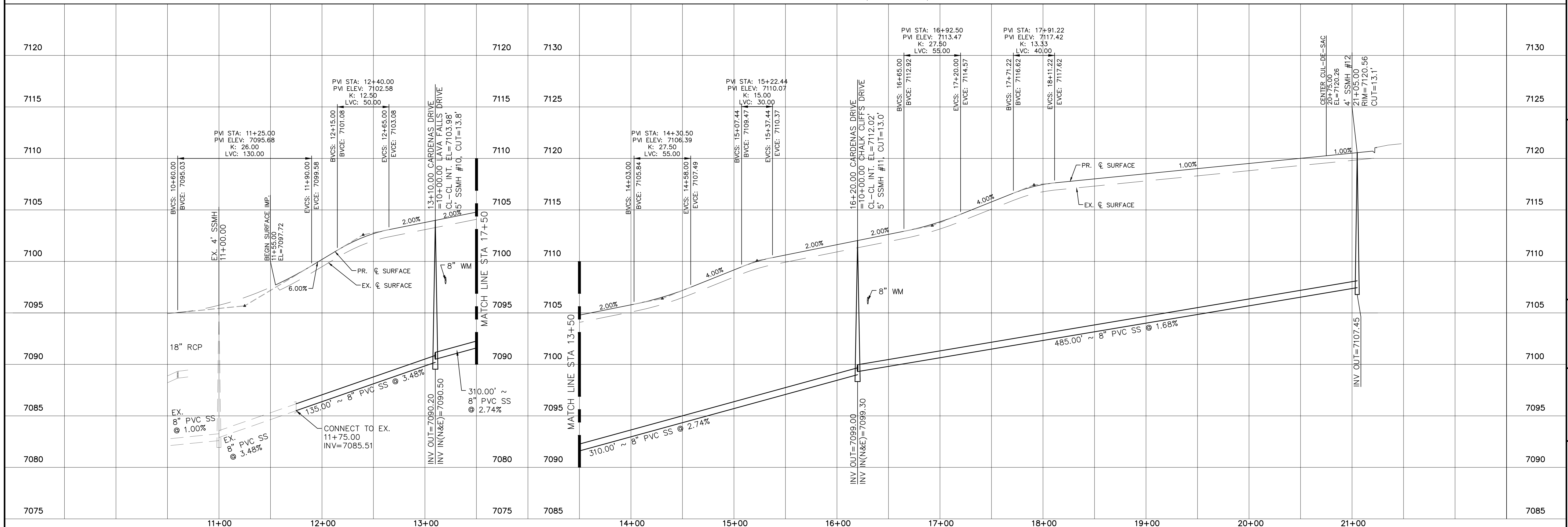
CARDENAS DRIVE

URBAN LOCAL, DESIGN SPEED 20 MPH TO STA 16+57 URBAN LOCAL LOW VOLUME, DESIGN SPEED 20 MPH AFTER STA 16+57
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)



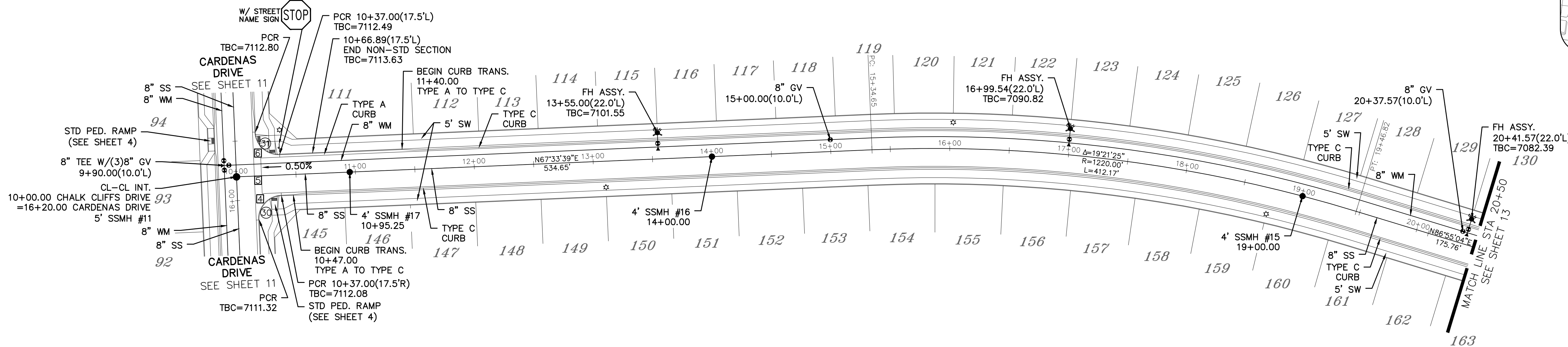
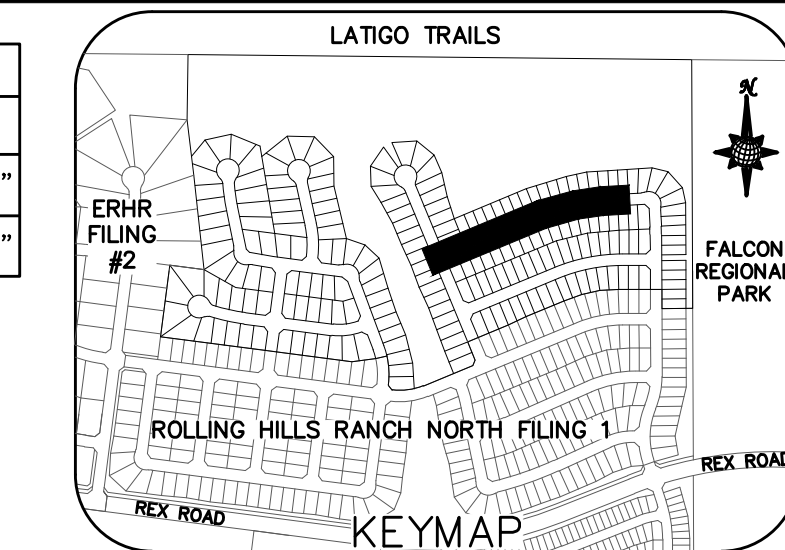
Date	
Appr.	
Date	
Revisions	
No.	
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444	
MERIDIAN RANCH	
ROLLING HILLS RANCH NORTH FILING 2 AT MERIDIAN RANCH STREET AND UTILITY PLANS CARDENAS DRIVE	
Drawn by	LOG
Checked by	TAK
Date	JULY 2024
Scale	AS SHOWN
	11 of 33

INSTALL CROSS PAN
PER COUNTY STD
SD-2-26

④ = 7111.22
⑤ = 7111.56
⑥ = 7111.90

Curve Table			
CURVE	LENGTH	RADIUS	Delta
30	30.63'	19.50'	090°00'00"
31	30.63'	19.50'	090°00'00"

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

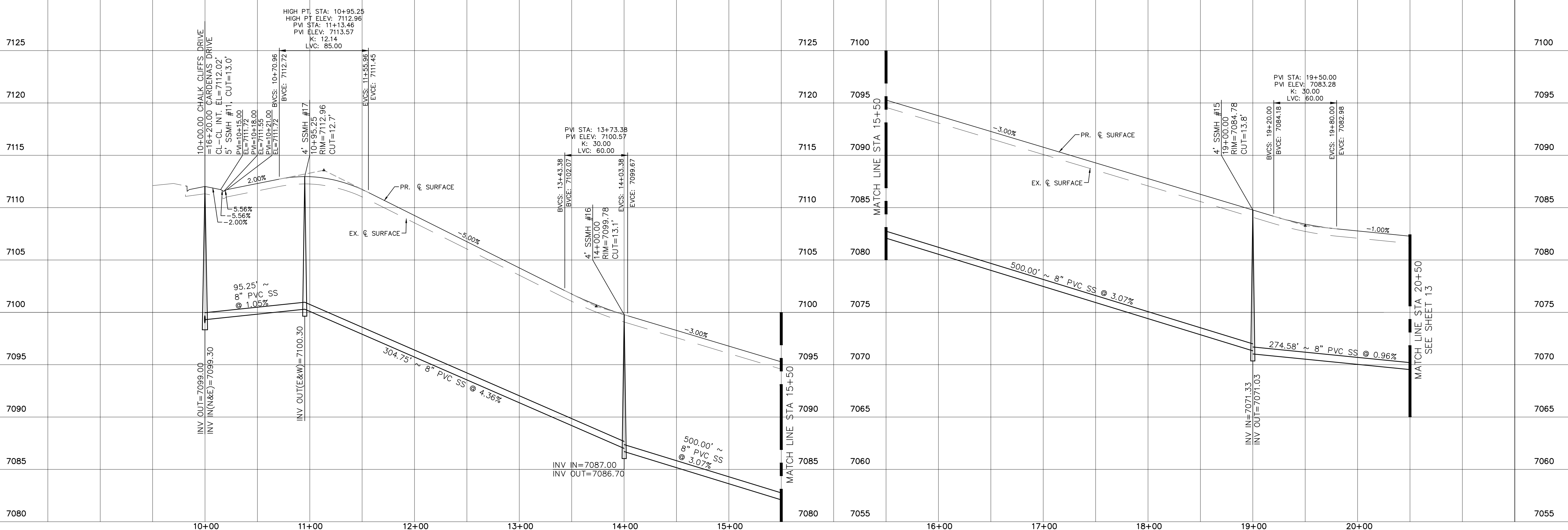
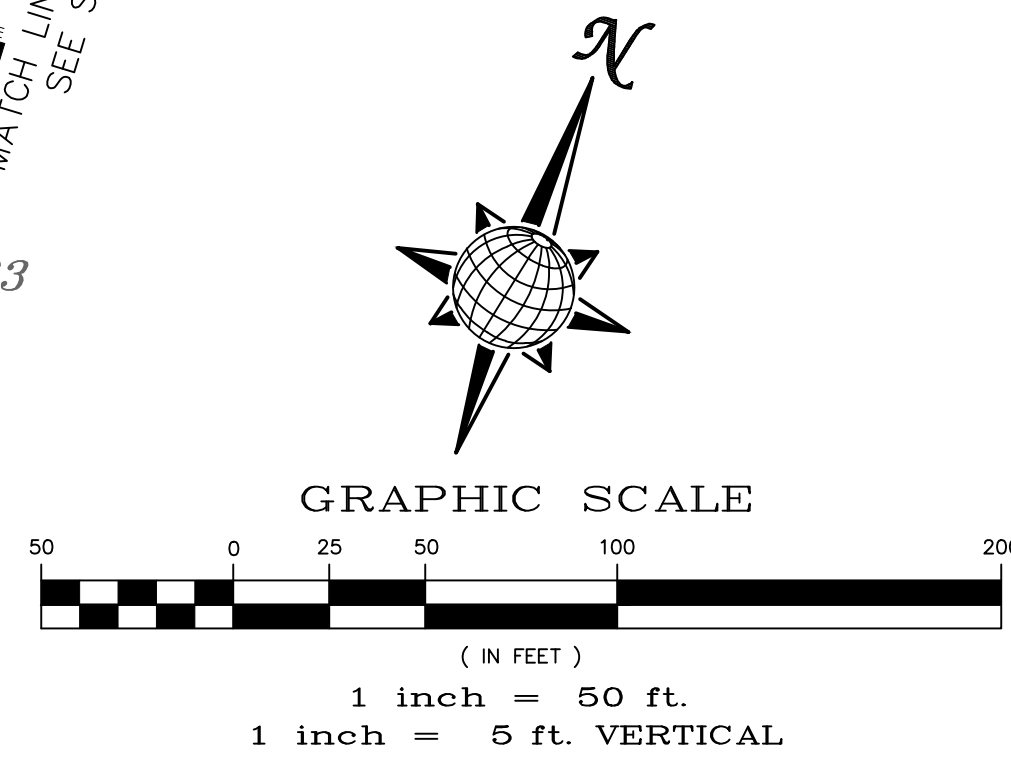


TWO WORKING DAYS BEFORE YOU DIG CALL 811

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

CHALK CLIFFS DRIVE

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



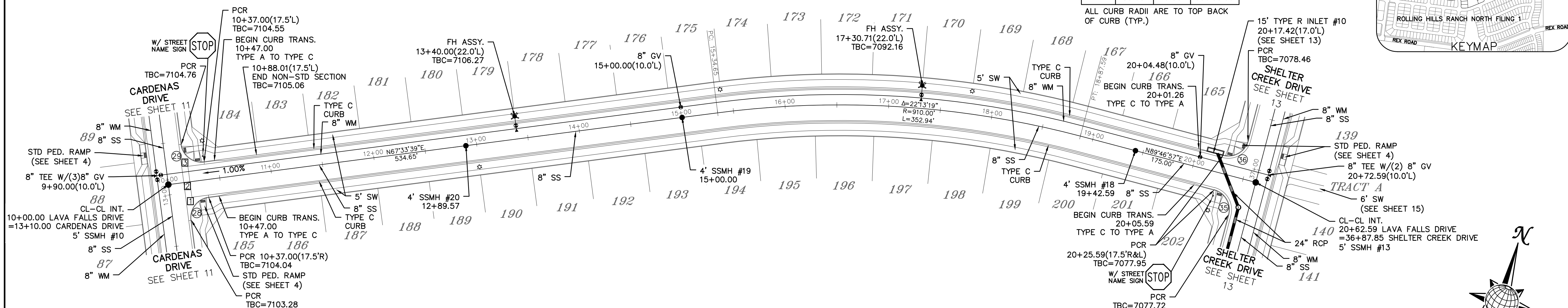
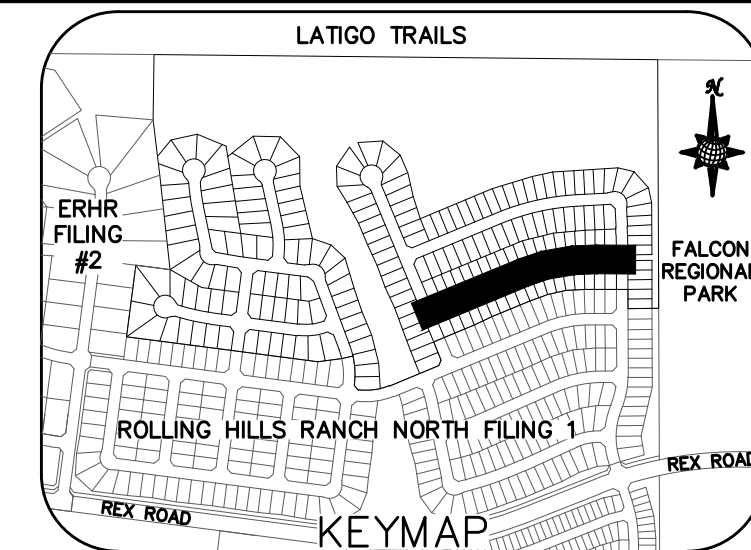
Date	
Appr.	
Revis.	
No.	
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444	
MERIDIAN RANCH	
ROLLING HILLS RANCH NORTH FILING 2 AT MERIDIAN RANCH STREET AND UTILITY PLANS CHALK CLIFFS DRIVE	
Scale	AS SHOWN
Drawn by	LOG
Checked by	TAK
Date	JULY 2024
12 of 33	

INSTALL CROSS PAN
PER COUNTY STD
SD-2-26

- = 7103.18
- = 7103.52
- = 7103.86

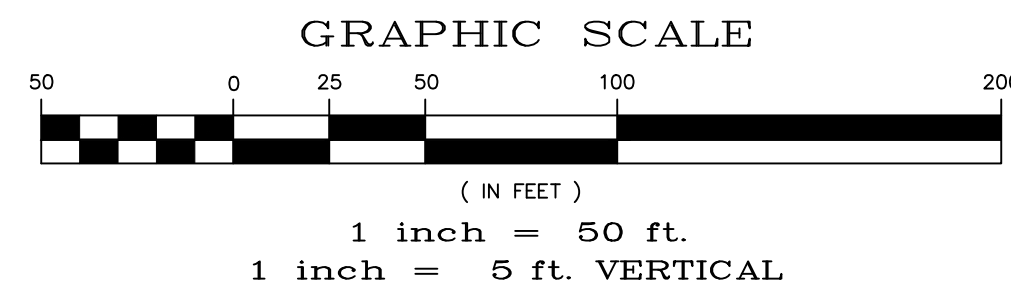
CURVE	LENGTH	RADIUS	Delta
28	30.63'	19.50'	090°00'00"
29	30.63'	19.50'	090°00'00"
35	30.63'	19.50'	090°00'00"
36	30.63'	19.50'	090°00'00"

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



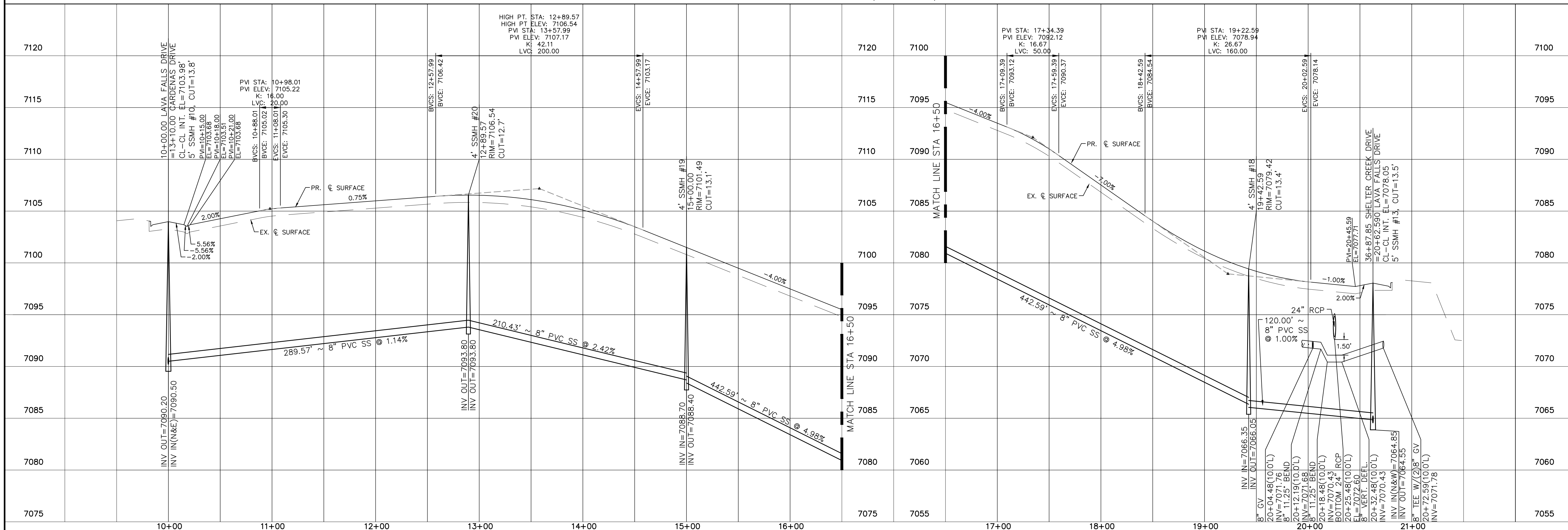
LAVA FALLS DRIVE

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

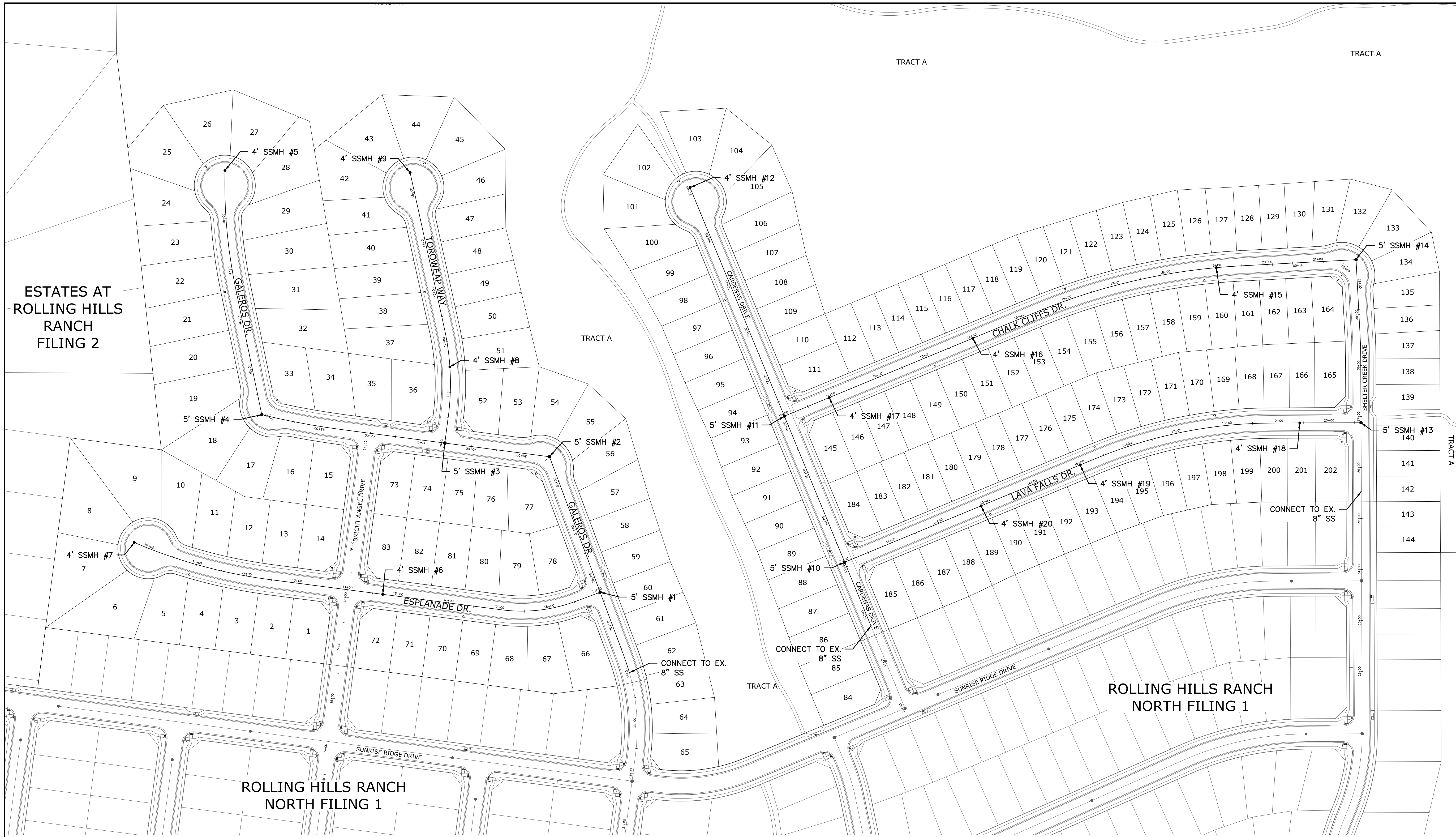


**TWO WORKING DAYS
BEFORE YOU DIG
CALL 811**

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



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 2 AT MERIDIAN RANCH STREET AND UTILITY PLANS LAVA FALLS DRIVE			
Scale	AS SHOWN	14 of 33	Date
Drawn by	LOG	Checked by	TAK
		JULY 2024	

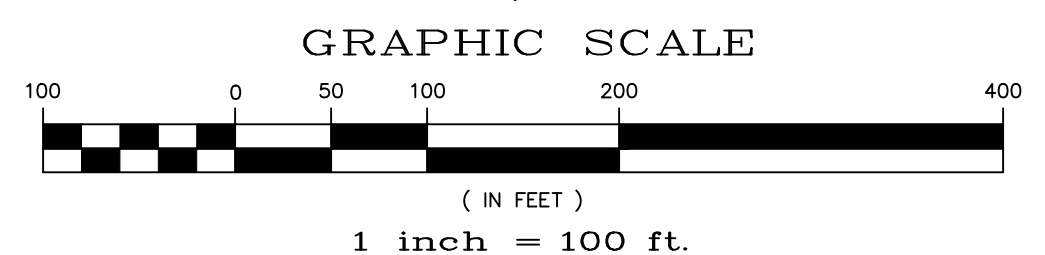
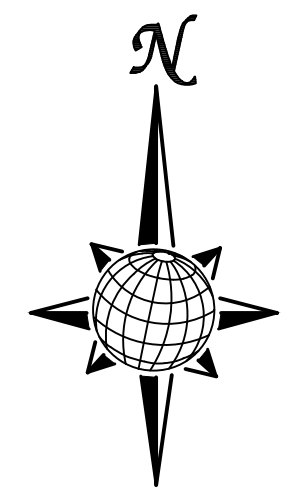


ESTATES AT ROLLING HILLS RANCH FILING 2

ROLLING HILLS RANCH NORTH FILING 1


ROLLING HILLS RANCH NORTH FILING 1

FALCON REGIONAL PARK



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

Scale AS SHOWN	Drawn by LOG	Checked by TKM	Date JULY 2024
	ROLLING HILLS RANCH NORTH FILING 2 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL SANITARY SEWER		
	TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444		
	MERIDIAN RANCH		
16 of 33	No.	Revisions	Date



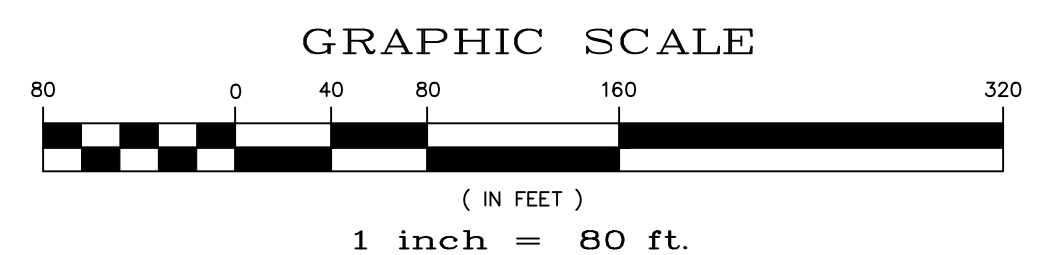
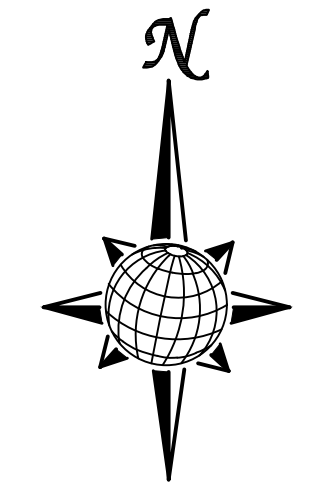
ESTATES AT ROLLING HILLS RANCH FILING 2

TRACT A

SEE SHEET 18

TRACT A

ROLLING HILLS RANCH NORTH FILING 1

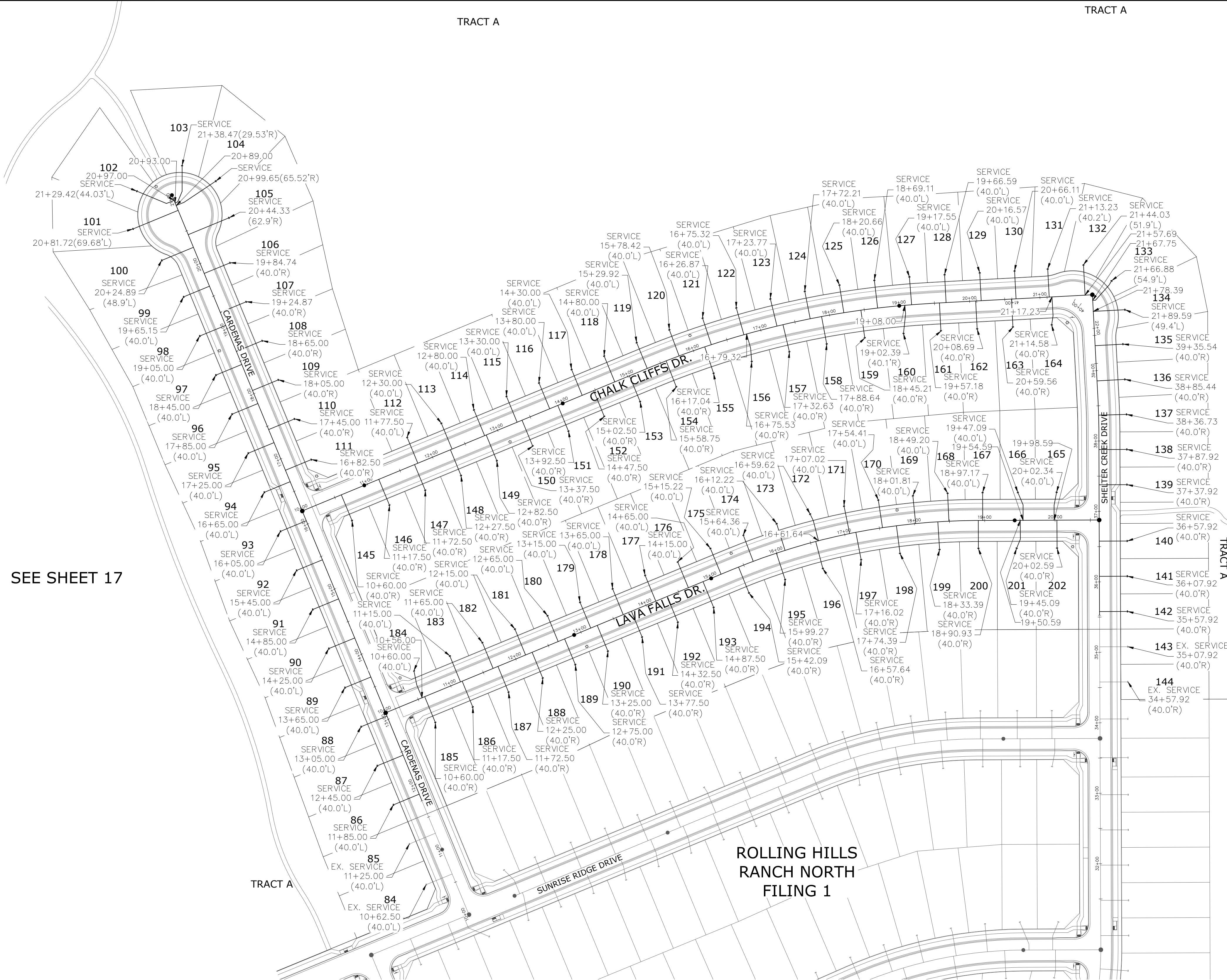


NOTE:
 CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
 EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
 1) ROUGH GRADING FOR ROLLING HILLS RANCH AT MERIDIAN RANCH
 2) ESTATES AT ROLLING HILLS RANCH FILING 2
 3) PREDEVELOPMENT GRADING FOR ROLLING HILLS RANCH NORTH AT MERIDIAN RANCH
 4) THE SANCTUARY FILING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

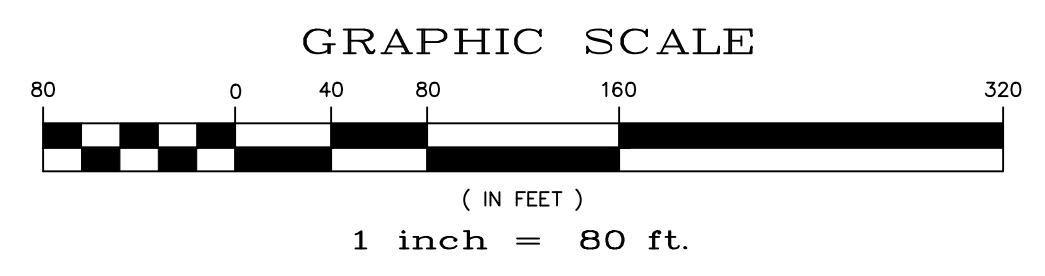
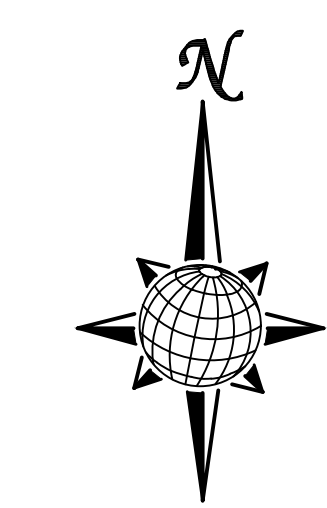
TWO WORKING DAYS BEFORE YOU DIG CALL 811

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

Scale AS SHOWN	Drawn by LOG	Checked by TAK	Date JULY 2024	17 of 33																	
				ROLLING HILLS RANCH NORTH FILING 2 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL SANITARY SEWER SERVICES																	
				TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444																	
				<table border="1"> <thead> <tr> <th>No.</th> <th>Revisions</th> <th>Date</th> <th>Appr.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		No.	Revisions	Date	Appr.	1				2				3			
No.	Revisions	Date	Appr.																		
1																					
2																					
3																					
4																					




SEE SHEET 17

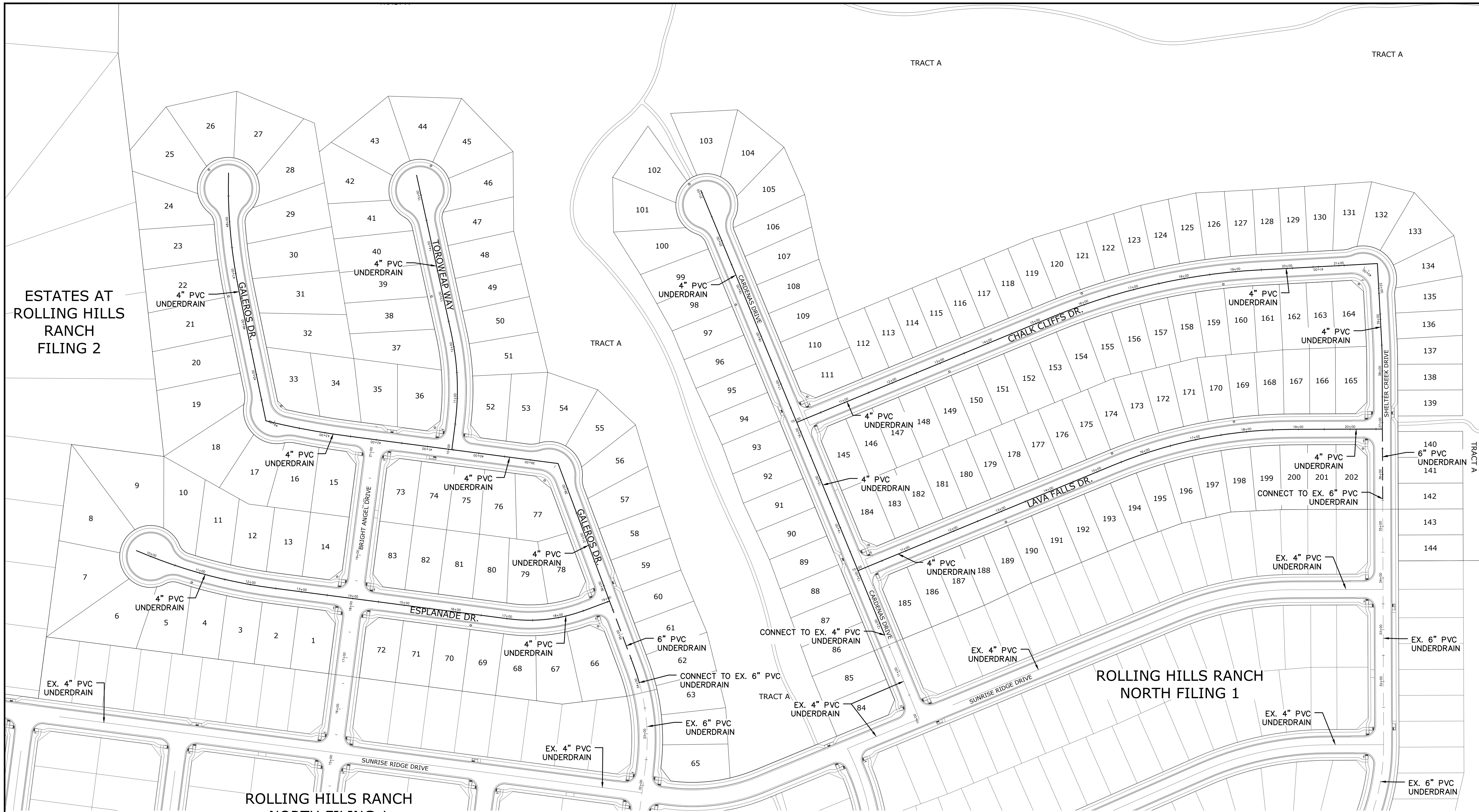


NOTE:
 CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
 EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
 1) ROUGH GRADING FOR ROLLING HILLS RANCH AT MERIDIAN RANCH
 2) ESTATES AT ROLLING HILLS RANCH FILING 2
 3) PREDEVELOPMENT GRADING FOR ROLLING HILLS RANCH NORTH AT MERIDIAN RANCH
 4) THE SANCTUARY FILING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

FALCON REGIONAL PARK

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 2 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL SANITARY SEWER SERVICES								
Scale	AS SHOWN	Drawn by	LOG	Checked by	TAK	Date	JULY 2024	
	18	of	33					



ESTATES AT ROLLING HILLS RANCH FILING 2

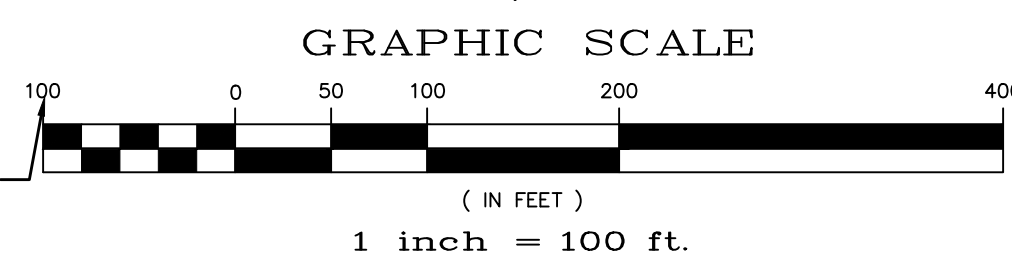
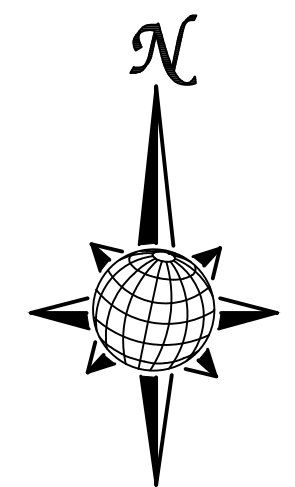
ROLLING HILLS RANCH NORTH FILING 1

ROLLING HILLS RANCH NORTH FILING 1

FALCON REGIONAL PARK

LEGEND

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

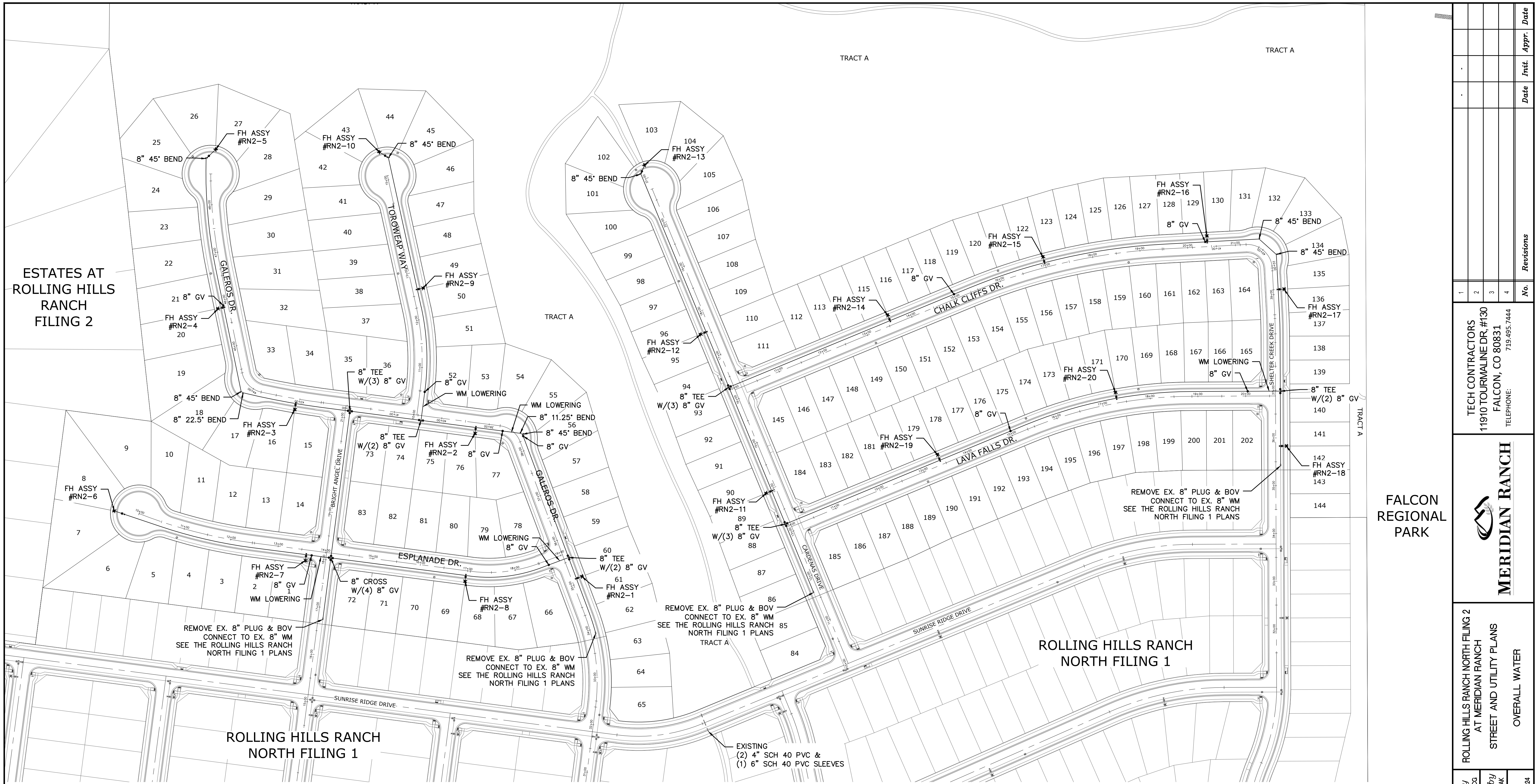


NOTE:
 CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
 EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
 1) ROUGH GRADING FOR ROLLING HILLS RANCH AT MERIDIAN RANCH
 2) ESTATES AT ROLLING HILLS RANCH FILING 2
 3) PREDEVELOPMENT GRADING FOR ROLLING HILLS RANCH NORTH AT MERIDIAN RANCH
 4) THE SANCTUARY FILING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

TWO WORKING DAYS BEFORE YOU DIG CALL 811

OR
 UTILITY NOTIFICATION CENTER
 1-800-822-8844
 (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 2		AT MERIDIAN RANCH		STREET AND UTILITY PLANS	
Scale AS SHOWN		Drawn by LOG		Checked by TAK		Date JULY 2024	
19 of 33		Overall Underdrain		Revisions		Date / Init. / Appr. / Date	



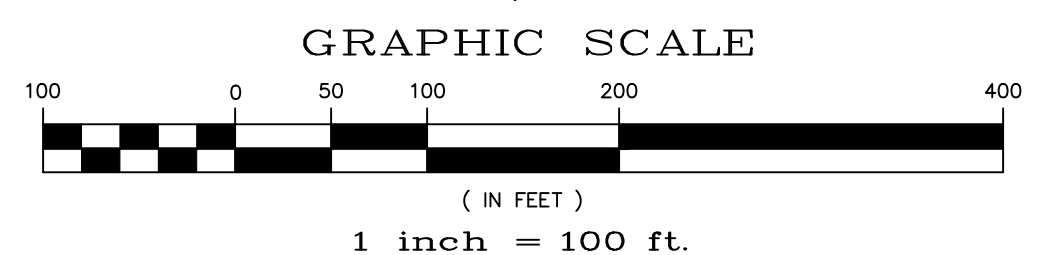
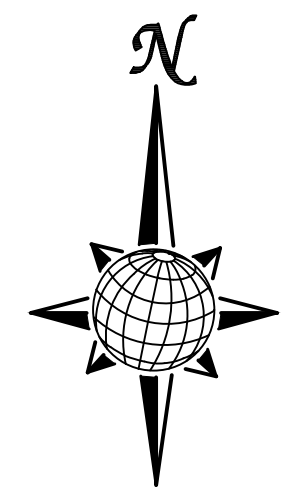
ESTATES AT ROLLING HILLS RANCH FILING 2

ROLLING HILLS RANCH NORTH FILING 1

ROLLING HILLS RANCH NORTH FILING 1

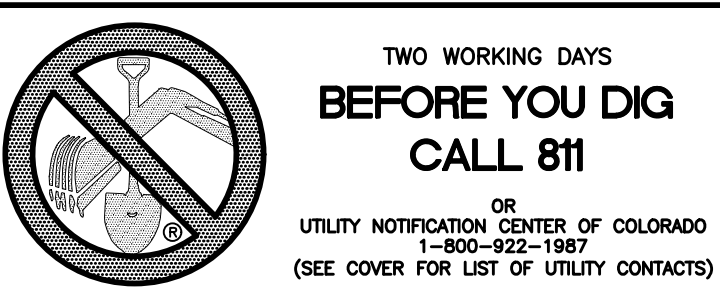
FALCON REGIONAL PARK

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

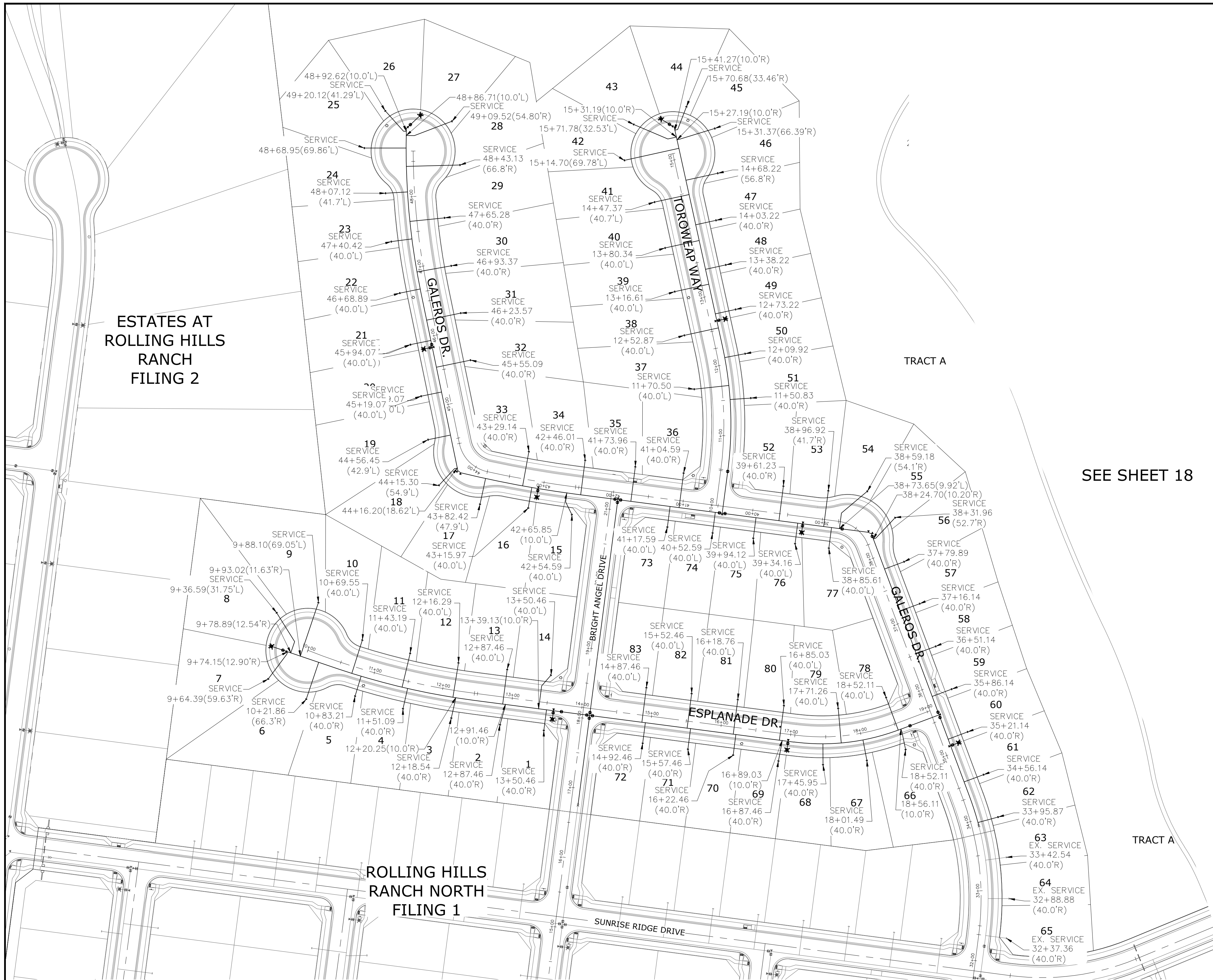


NOTE:
CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
1) ROUGH GRADING FOR ROLLING HILLS RANCH AT MERIDIAN RANCH
2) ESTATES AT ROLLING HILLS RANCH FILING 2
3) PREDEVELOPMENT GRADING FOR ROLLING HILLS RANCH NORTH AT MERIDIAN RANCH
4) THE SANCTUARY FILING 1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

NOTE:
8" WM UNLESS OTHERWISE LABELED.

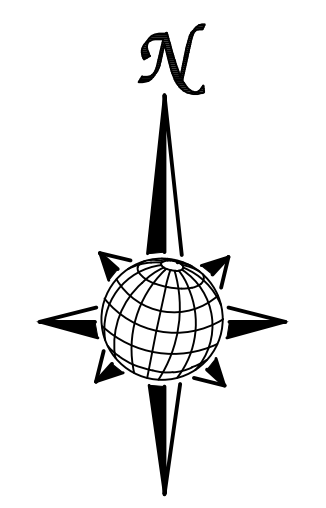
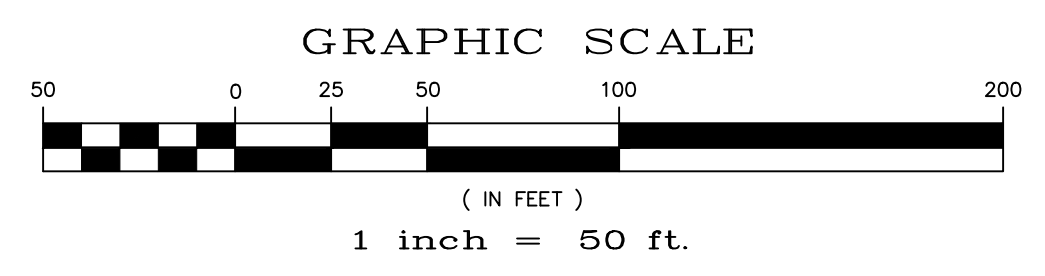


TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444		No.		Revisions		Date		Appr.	
MERIDIAN RANCH		1		2		3		4	
ROLLING HILLS RANCH NORTH FILING 2 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL WATER		Drawn by LOG		Checked by TKM		Date JULY 2024		Scale AS SHOWN	
		21		of		33			



SEE SHEET 18


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)

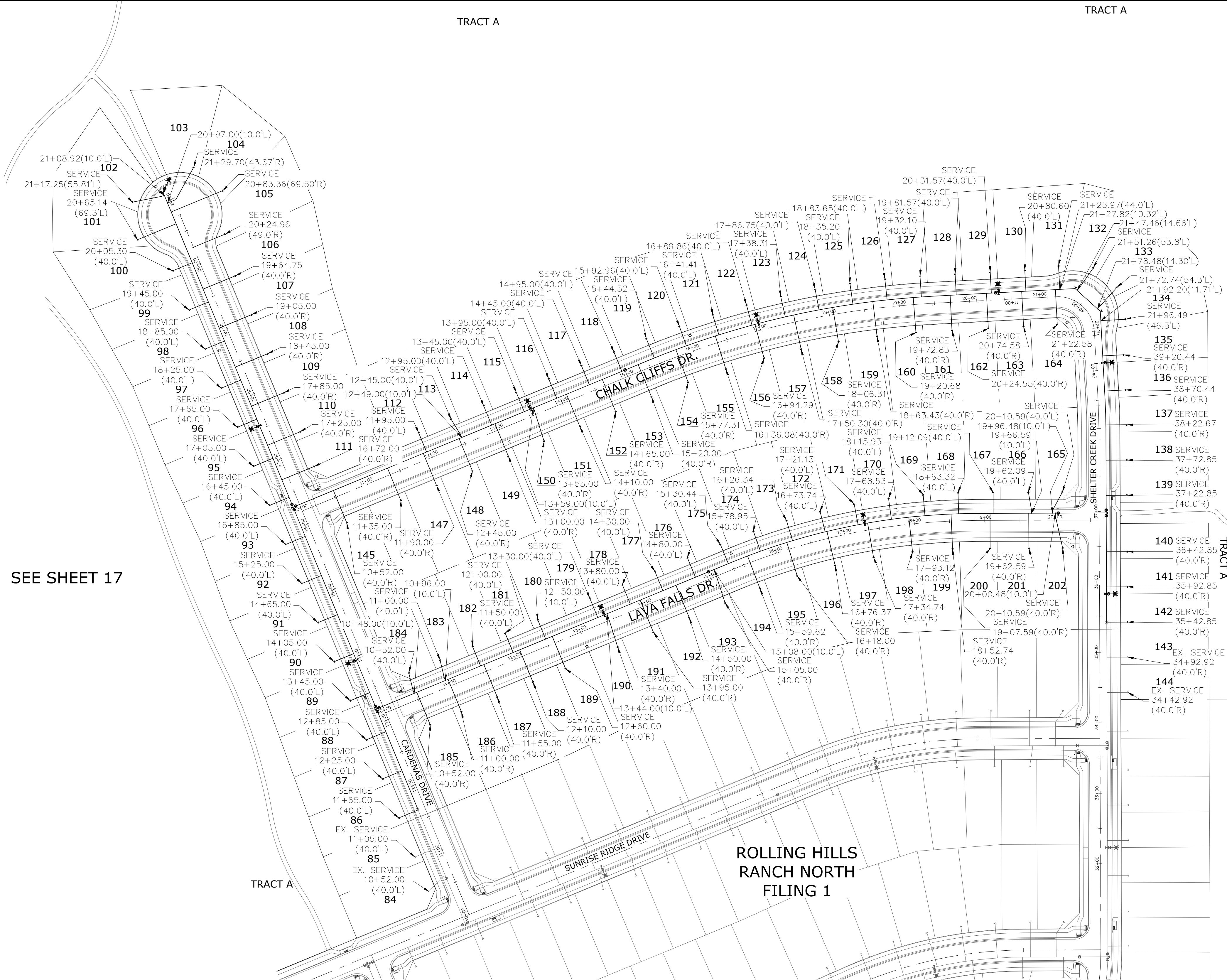


NOTE:
 CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES.
 EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
 1) ROUGH GRADING FOR ROLLING HILLS RANCH AT MERIDIAN RANCH
 2) ESTATES AT ROLLING HILLS RANCH FILING 2
 3) PREDEVELOPMENT GRADING FOR ROLLING HILLS RANCH NORTH AT MERIDIAN RANCH
 4) THE SANCTUARY FILING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

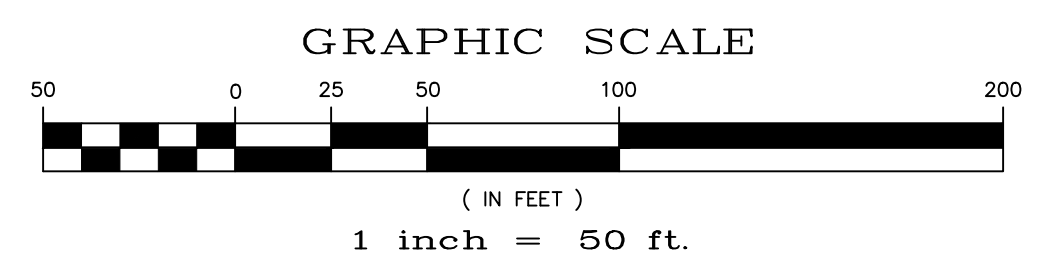
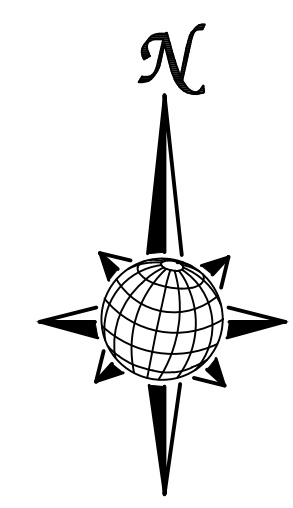
NOTE:
 3/4" WATER SERVICE UNLESS OTHERWISE LABELED.

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

Scale AS SHOWN 22 of 33	Drawn by LOG	Checked by TAK	Date JULY 2024																				
	ROLLING HILLS RANCH NORTH FILING 2 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL WATER SERVICES																						
	 MERIDIAN RANCH																						
	TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444																						
<table border="1"> <thead> <tr> <th>No.</th> <th>Revisions</th> <th>Date</th> <th>Appr.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				No.	Revisions	Date	Appr.	1				2				3				4			
No.	Revisions	Date	Appr.																				
1																							
2																							
3																							
4																							



SEE SHEET 17



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

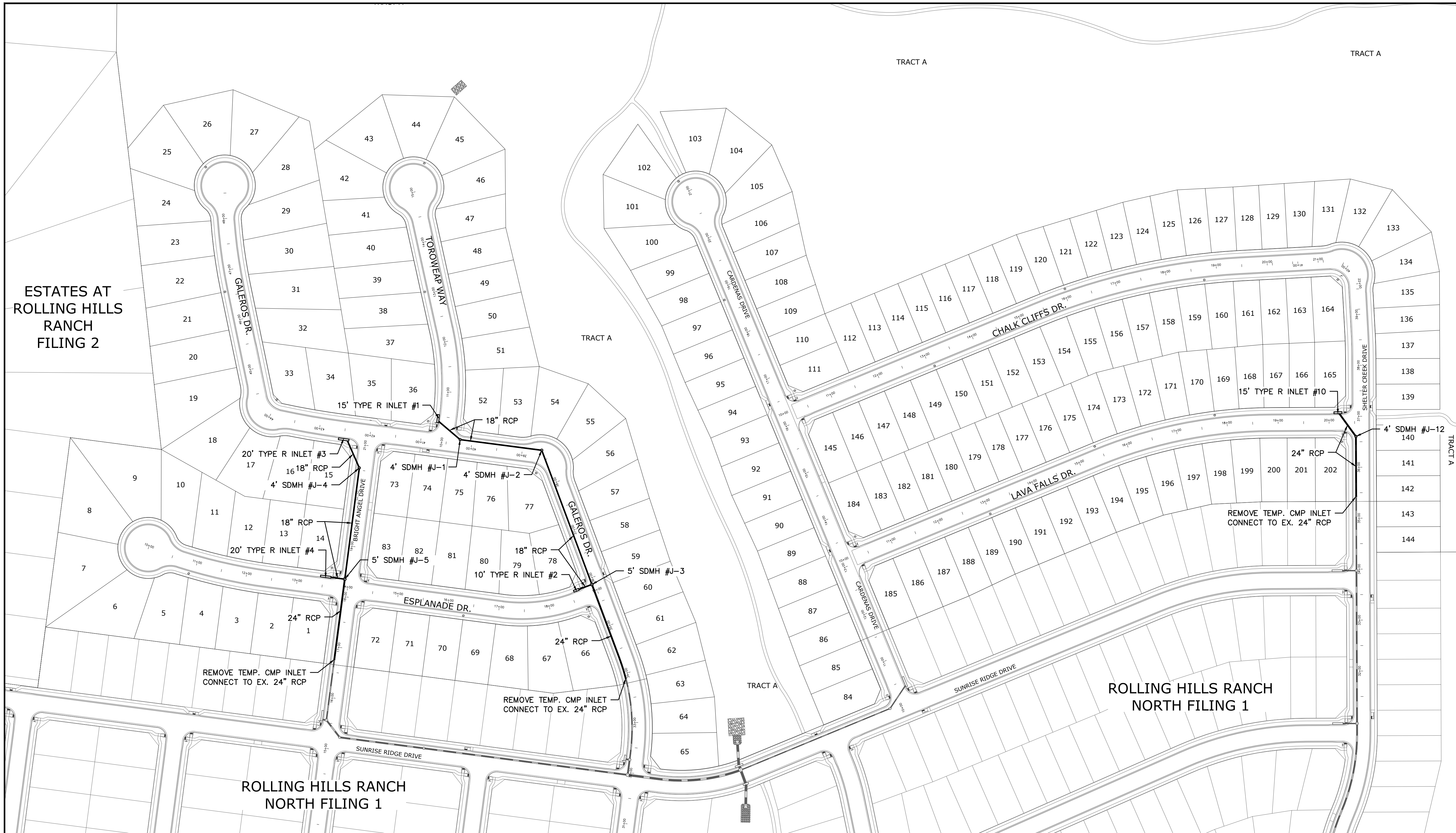
NOTE:
 3/4" WATER SERVICE UNLESS OTHERWISE LABELED.

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

FALCON REGIONAL PARK

Scale AS SHOWN	Drawn by LOG	Checked by TAK	Date JULY 2024
	ROLLING HILLS RANCH NORTH FILING 2 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		
No.	Revisions	Date	Appr.
1			
2			
3			
4			

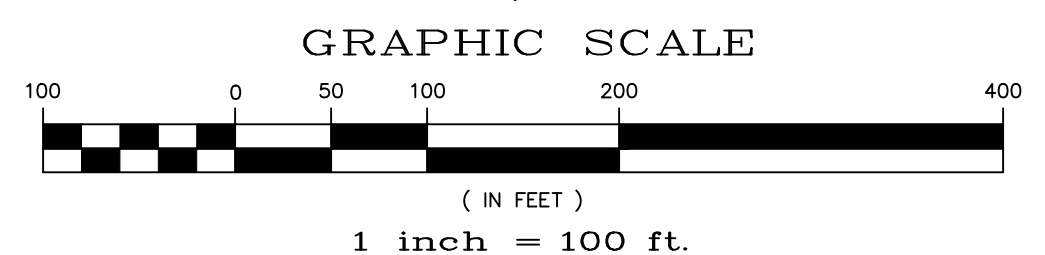
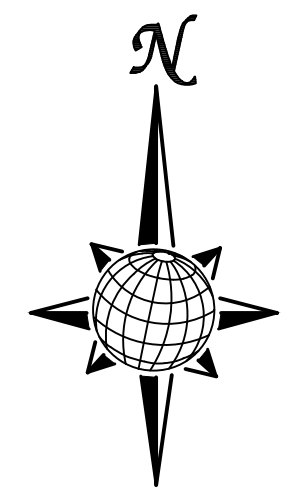


ESTATES AT
ROLLING HILLS
RANCH
FILING 2

FALCON
REGIONAL
PARK

ROLLING HILLS RANCH
NORTH FILING 1

ROLLING HILLS RANCH
NORTH FILING 1



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

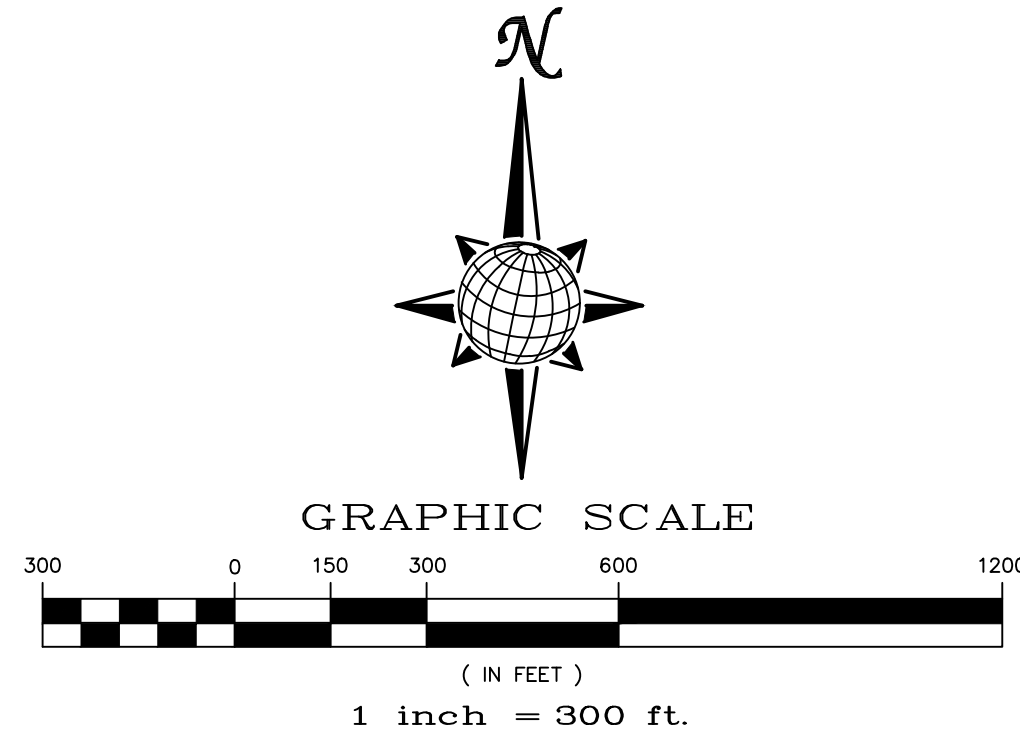
TWO WORKING DAYS
BEFORE YOU DIG
CALL 811
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-822-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

Scale AS SHOWN	Drawn by LOG	Checked by TKK	Date JULY 2024
	ROLLING HILLS RANCH NORTH FILING 2 AT MERIDIAN RANCH STREET AND UTILITY PLANS OVERALL STORM DRAIN		
	TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444		
1		No.	
2		Revisions	
3		Date	
4		Appr.	

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 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 LOOSENED 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



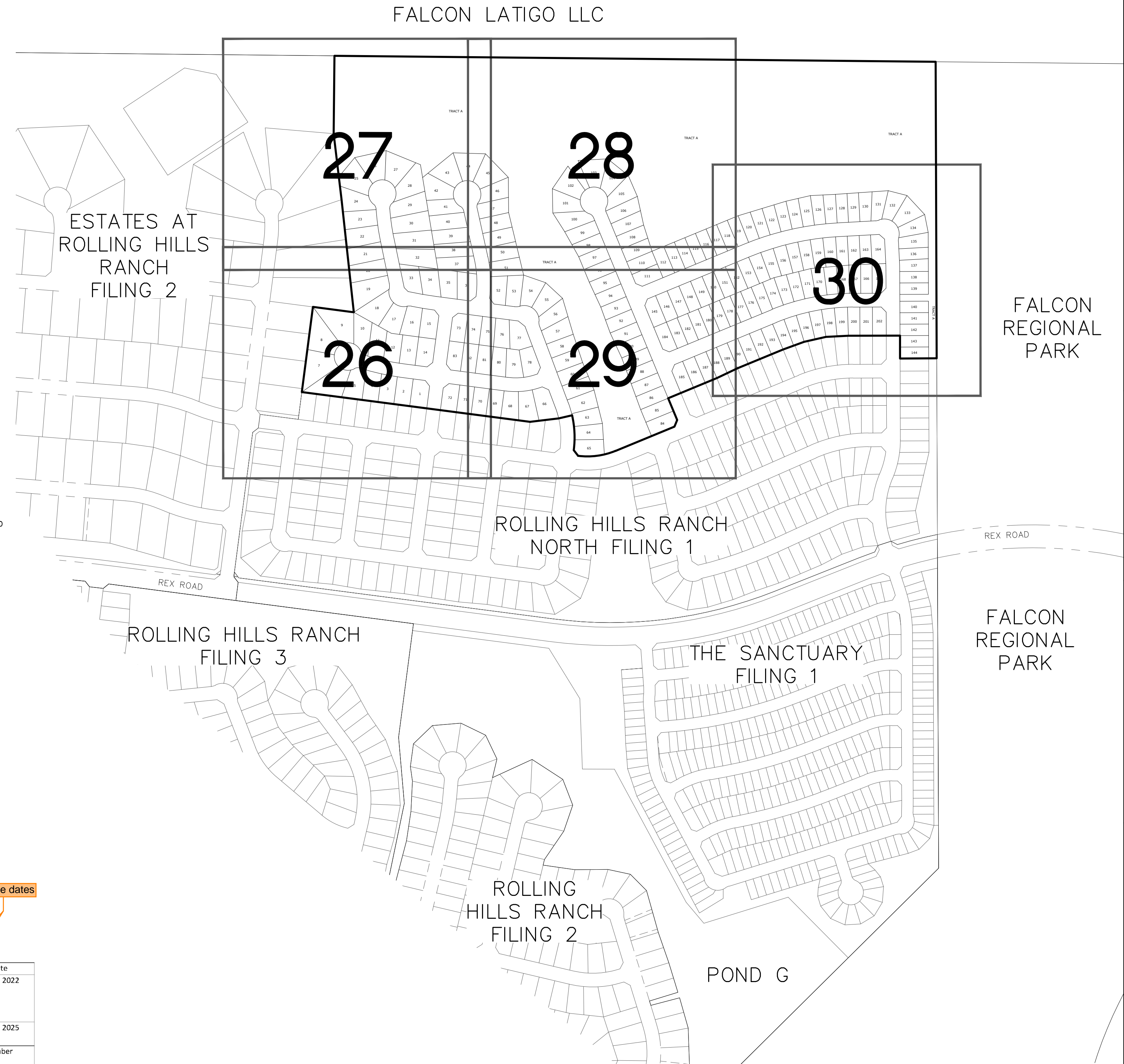
Stage	Description	Control Measures	Begin Date	End Date
Stage 1	Overlot Grading	Silt fence & VTC Temporary Sed. Basins Swale Checks as needed Surface Roughening	June 2022	August 2022
Stage 2	Underground utilities Surface Improvements	Perimeter Control Inlet Protection	June 2024	August 2025
Stage 3	Home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

Update dates

EARTHWORK QUANTITIES

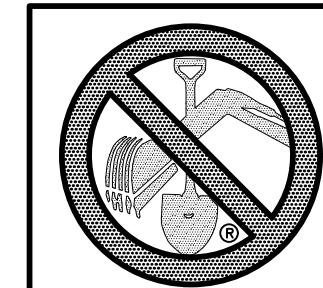
NET YARDS	BALANCE	
TOTAL STRIPPINGS	0.38 AC.	180 CY
NET YARDS	CUT	FILL
	0 CY	1,686 CY
20% COMPACTION FACTOR		

NOTE: FILL WILL BE GENERATED FROM UTILITY INSTALLATION.



NOTE:

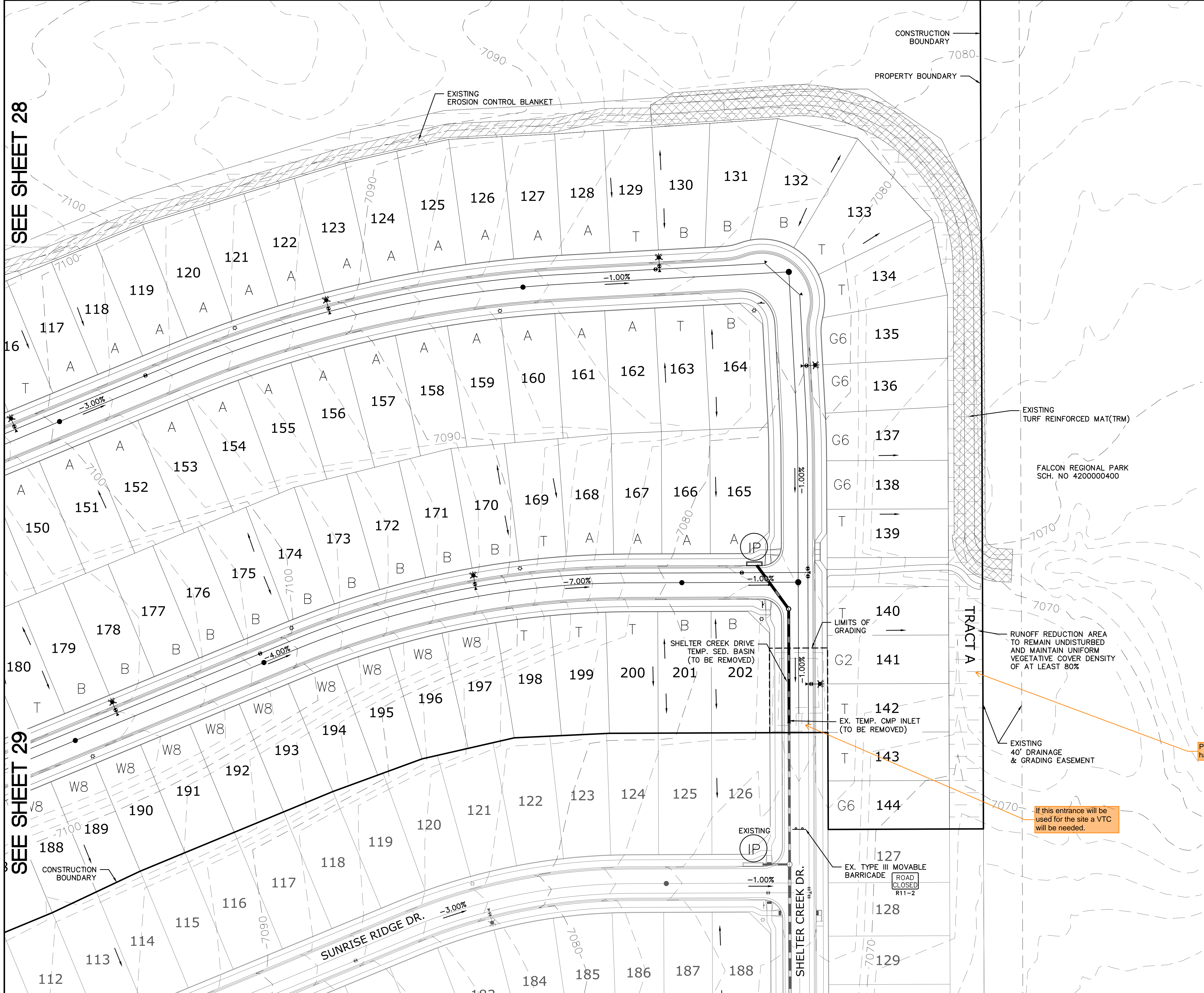
- EXISTING VEGETATION ON THE PROJECT SITE AND THE IN SURROUNDING AREAS CONSISTS OF A MIXTURE OF NATIVE GRASSES AND WEEDS WITH COVERAGE APPROXIMATING 70% DENSITY UNLESS OTHERWISE NOTED. SOME AREAS HAVE NEGLIGIBLE VEGETATIVE GROWTH AT THIS TIME AS THE SITE WAS PREVIOUSLY GRADED AND RE-SEEDED OR USED AS 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.



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)

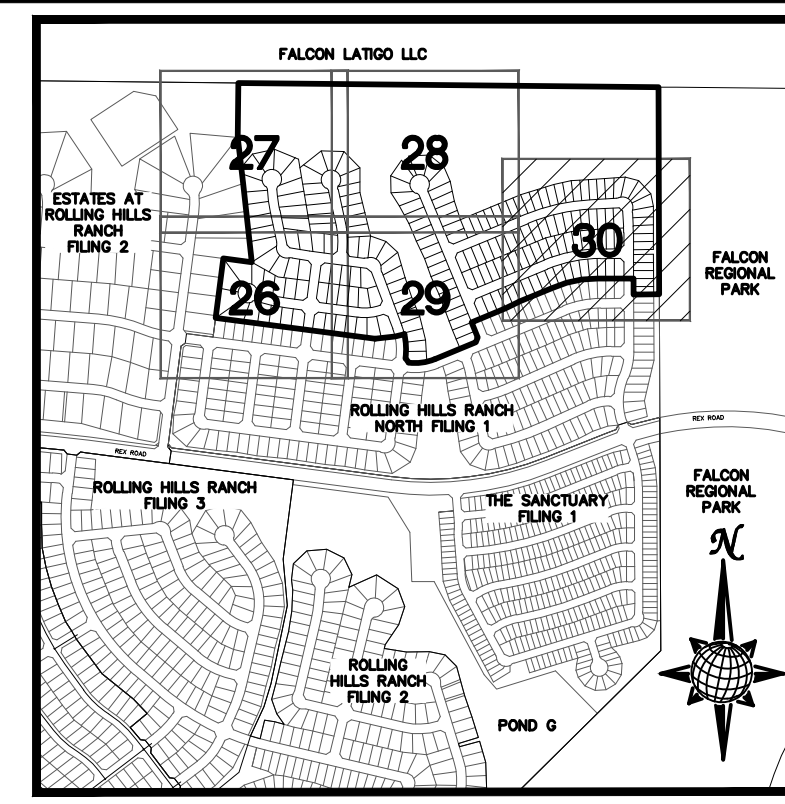
1	2	3	4	No.	Revisions	Date	Appr.	
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444				MERIDIAN RANCH				
ROLLING HILLS RANCH NORTH FILING 2 AT MERIDIAN RANCH GRADING/EROSION CONTROL PLAN				GRADING INDEX SHEET				
Scale	AS SHOWN	Drawn by	LOG	Checked by	TAK	Date	JULY 2024	
						25 of 33		

S:\OneDrive\Civil\Proj\Rolling Hills Ranch North Filing 2\DWG\PLAN SHEETS\Improvement Plans\04-RHRN2.dwg, 7/23/2024 10:13:51 AM



SEE SHEET 28

SEE SHEET 29



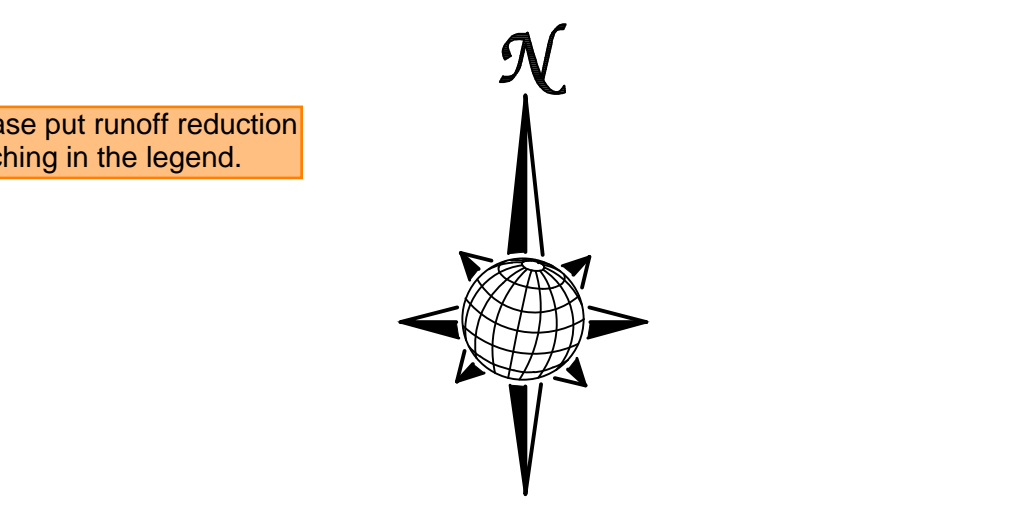
INDEX MAP N.T.S.

LEGEND

SYMBOL	ACRONYM	DESCRIPTION
		STRAW BALES PER DETAIL SHEET 33
		EX. EROSION WATTLES (UNLESS OTHERWISE NOTED) PER DETAIL SHEET 33
		EX. EROSION CONTROL BLANKET (UNLESS OTHERWISE NOTED) 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 33
		LIMITS OF GRADING/DISTURBANCE
		EXISTING CONTOUR (10')
		EXISTING CONTOUR (2')
		PROPOSED CONTOUR (10')
		PROPOSED CONTOUR (2')
		CONSTRUCTION BOUNDARY
		FLOW DIRECTION
		GRADE
	A	LOT GRADE TYPE
	75	LOT NUMBER

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 32.

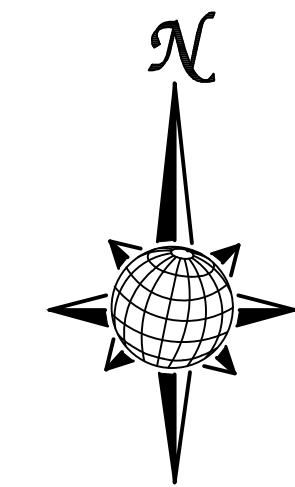
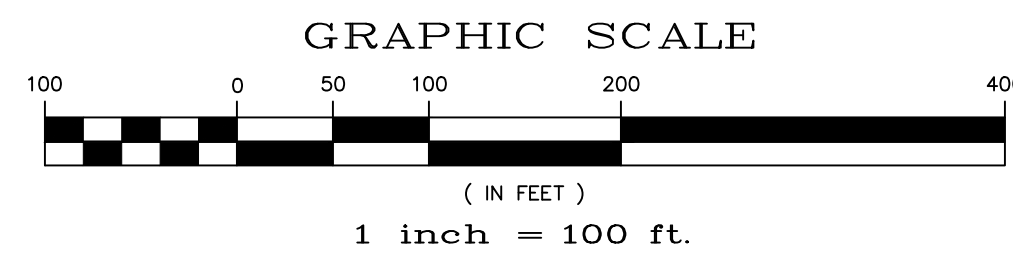
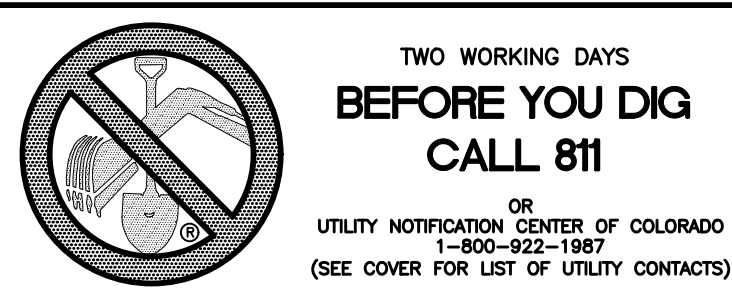
CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES. EX. UTILITIES SEE CONSTRUCTION DRAWINGS FOR:
 1) ESTATES AT ROLLING HILLS RANCH FILING 2
 2) PREDEVELOPMENT GRADING FOR ROLLING HILLS RANCH NORTH AT MERIDIAN RANCH
 3) THE SANCTUARY FILING 1 AT MERIDIAN RANCH
 4) ROLLING HILLS RANCH NORTH FILING 1



Scale AS SHOWN 30 of 33

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								PLAN SHEET	
ROLLING HILLS RANCH NORTH FILING 2 AT MERIDIAN RANCH GRADING-EROSION CONTROL PLAN								Drawn by LOG	Checked by TAK



LEGEND:

AREAS OF CUT



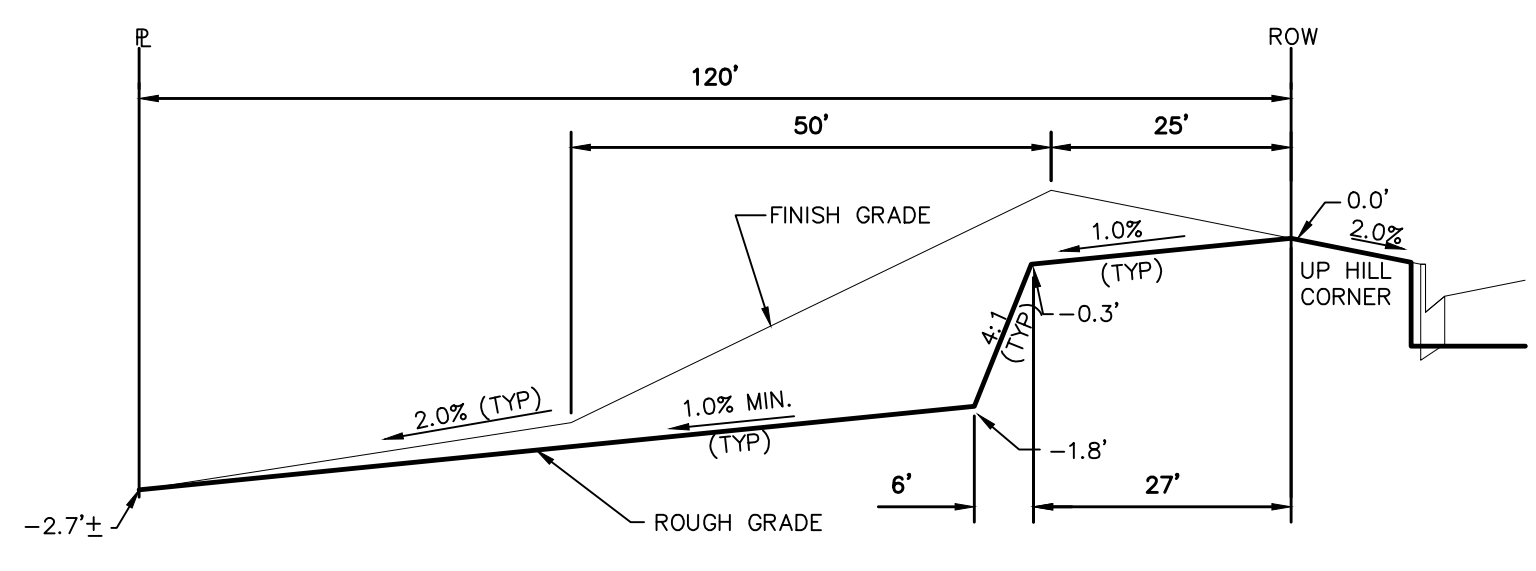
AREAS OF FILL



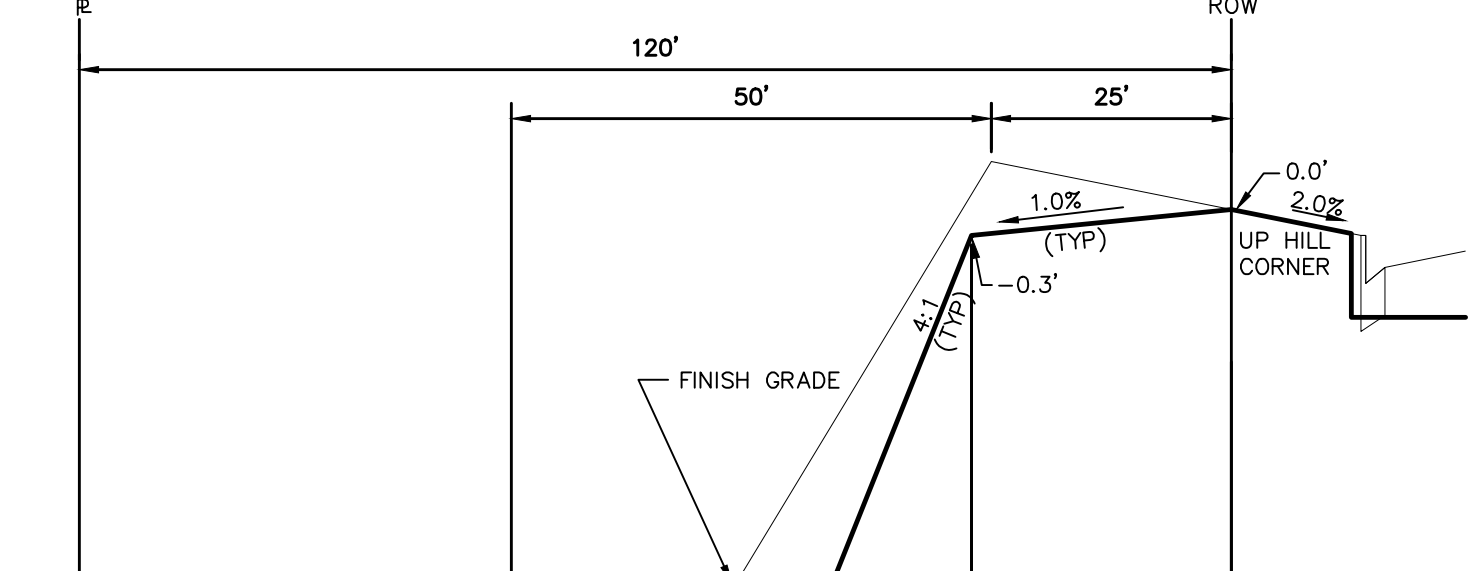
NOTE:
 ALL CONTOURS SHOWN WITHIN THE PLAN SET ARE TO FINISHED SURFACE. ALL STREET SECTIONS ARE TO BE GRADED TO ROUGH SUB-GRADE AS SHOWN IN THEIR RESPECTIVE TYPICAL STREET SECTION SHOWN ON SHEET 32.

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

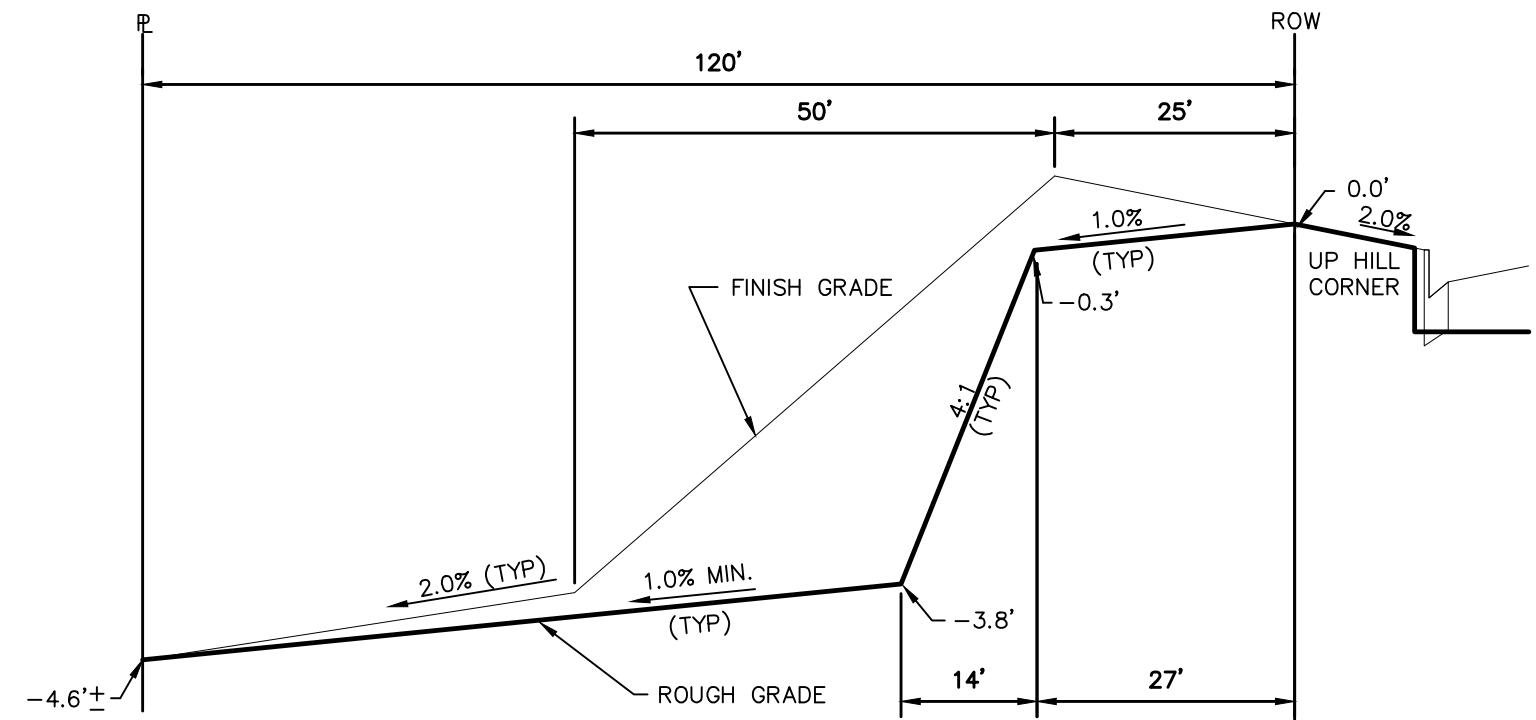
Scale AS SHOWN	1	No.	Revisions	Date	Appr.
	2				
	3				
	4				
Drawn by LOG		Checked by TAK		Date JULY 2024	
ROLLING HILLS RANCH NORTH FILING 2 AT MERIDIAN RANCH GRADING/EROSION CONTROL PLAN CUT-FILL SHEET					
TECH CONTRACTORS 11910 TOURMALINE DR. #130 FALCON, CO 80831 TELEPHONE: 719.495.7444					
 MERIDIAN RANCH					



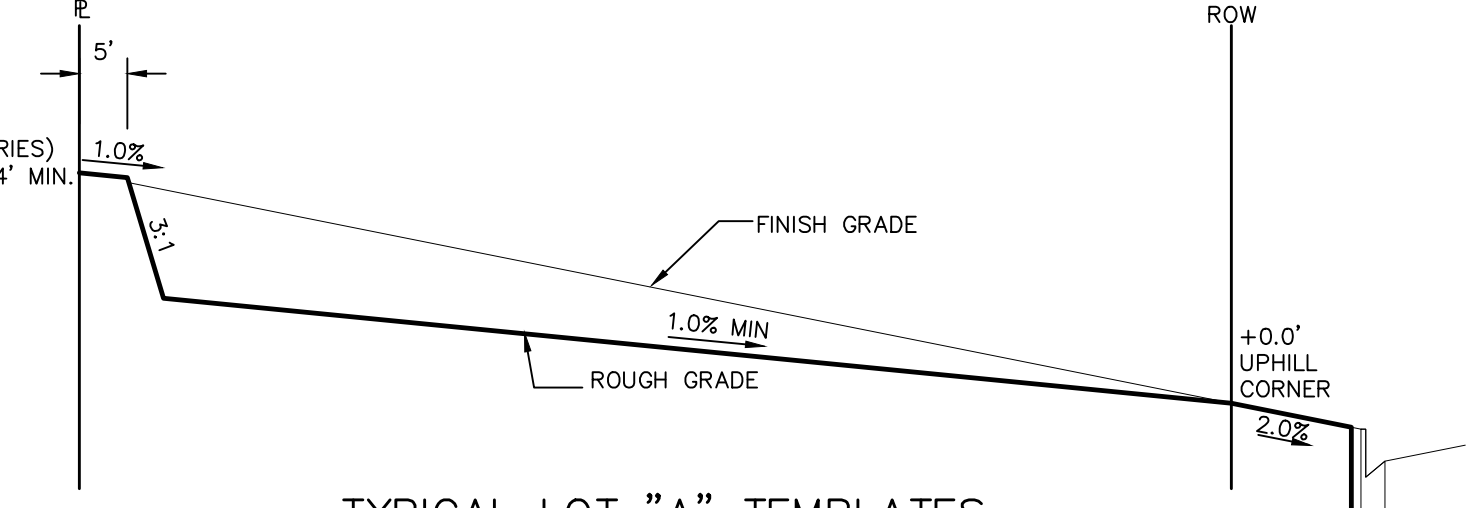
TYPICAL LOT "G2" TEMPLATES
NTS



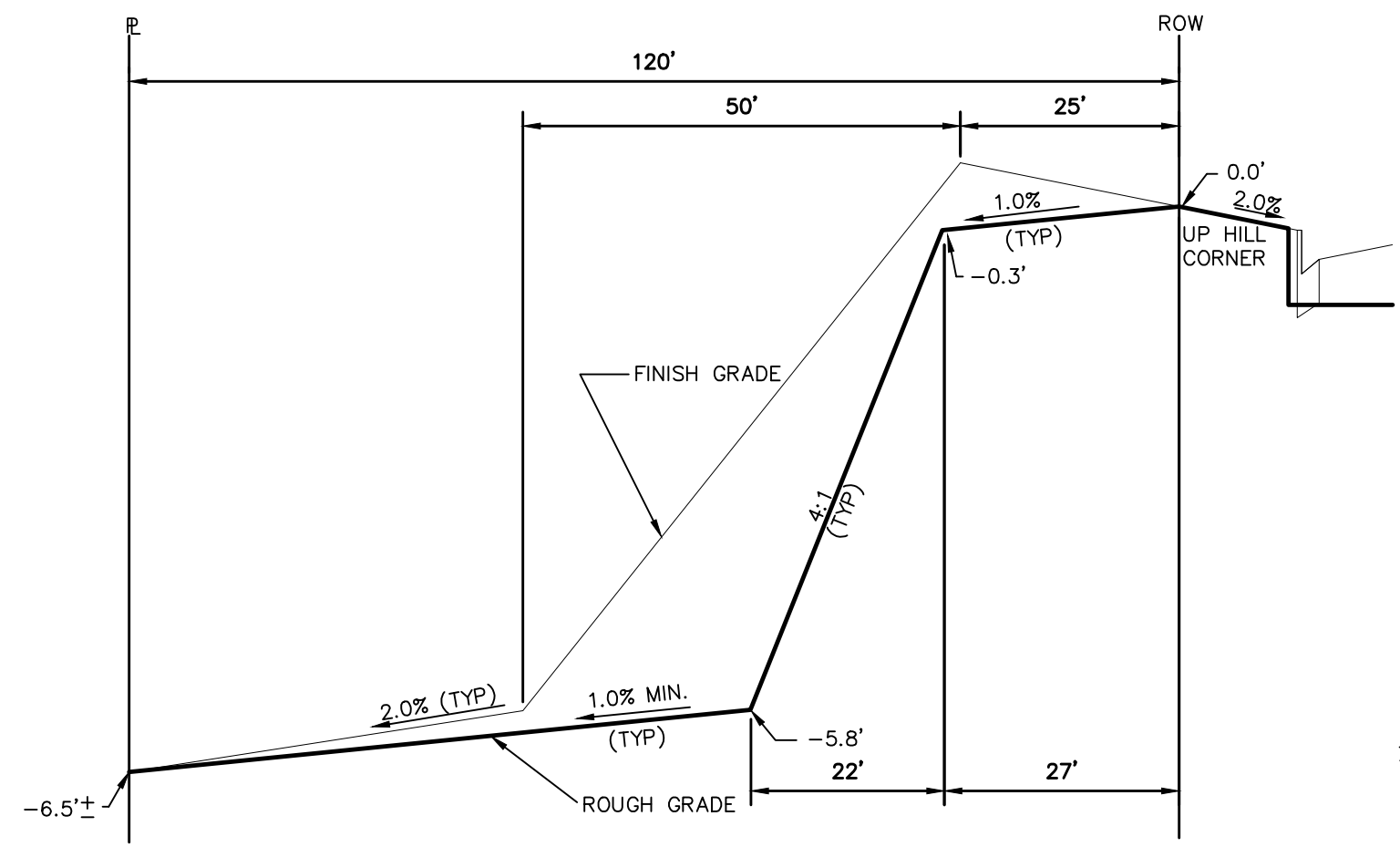
TYPICAL LOT "W8" TEMPLATES
NTS



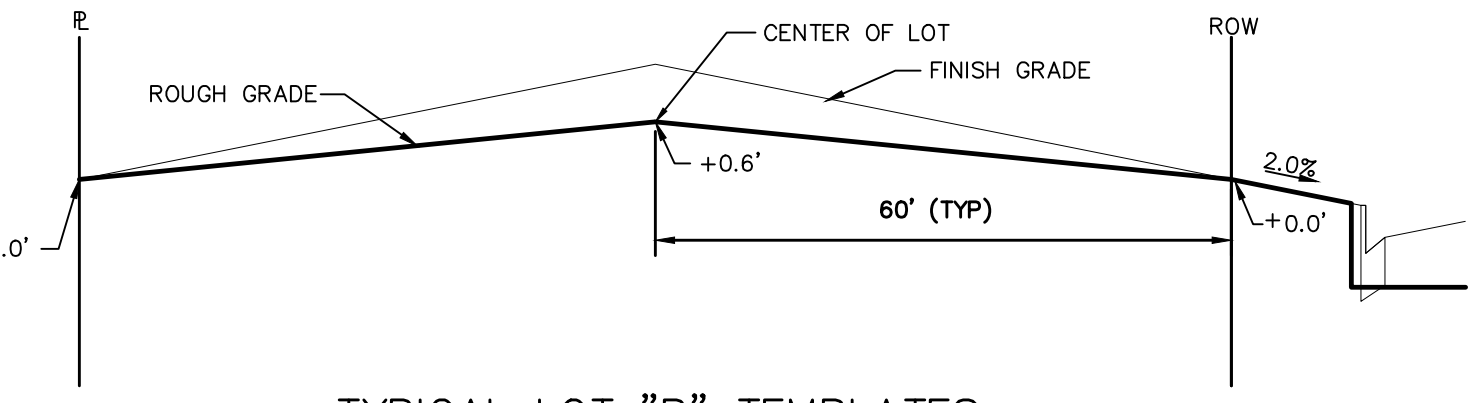
TYPICAL LOT "G4" TEMPLATES
NTS



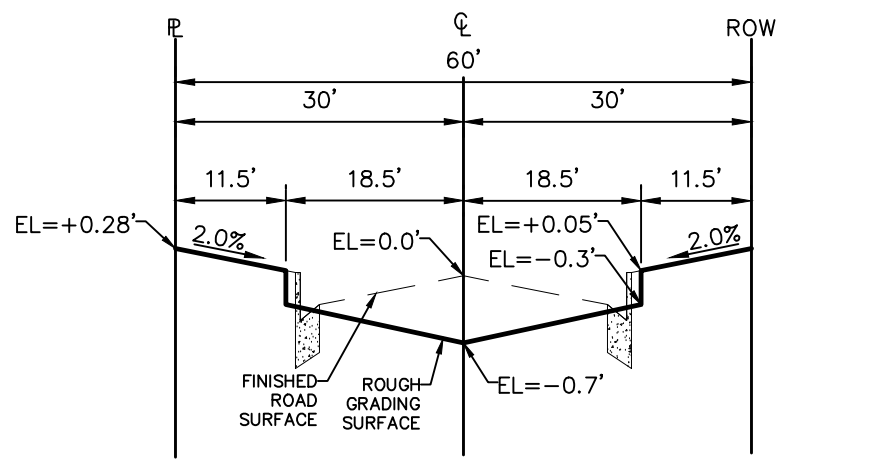
TYPICAL LOT "A" TEMPLATES
NTS



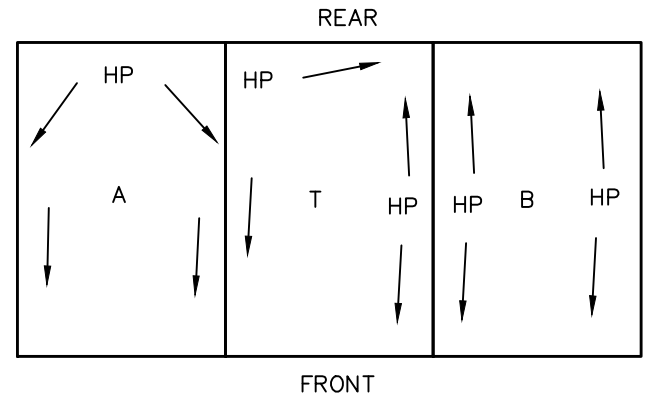
TYPICAL LOT "G6" TEMPLATES
NTS



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 AUGUST 2025 WITH AN ANTICIPATED COMPLETION DATE OF NOVEMBER 2026. 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-SEEDED IF NECESSARY. ANY CHECK DAMS THAT HAVE SHIFTED OR DECAYED SHALL BE REPAIRED OR REPLACED.
 - * SILT FENCES SHALL BE CLEANED WHENEVER SEDIMENT HAS REACHED A DEPTH OF 6" AT THE FENCE, AND BROKEN WOODEN PARTS OR TORN FABRIC SHALL BE REPAIRED OR REPLACED.
 - * ANY ACCUMULATED TRASH OR DEBRIS SHALL BE REMOVED FROM OUTLETS.
 - * IF THE DEPTH OF THE SILT IN THE TEMPORARY SEDIMENTATION TRAP EXCEEDS 1/2 OF THE ORIGINAL DEPTH, THE TRAP SHALL BE CLEANED OUT AND RESTORED TO ITS ORIGINAL DEPTH. THE OVERFLOW SPILLWAY SHALL BE CLEANED OR REPAIRED AS NECESSARY.
- AN INSPECTION AND MAINTENANCE LOG FOLLOWS THIS STORMWATER MANAGEMENT PLAN.

REVEGETATION AND SEEDING

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

BELOW IS THE ACCEPTED GRASS MIX FOR SANDY SOILS:

GRASS	VARIETY	AMOUNT IN PLS LBS. PER ACRE
SIDEOTS GRAMA	EL RENO	3.0
WESTERN WHEATGRASS	BARTON	2.5
SLENDER WHEATGRASS	NATIVE	2.0
LITTLE BLUESTERN	PASTURA	2.0
SAND 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 2 AT MERIDIAN RANCH GRADING/EROSION CONTROL PLAN GRADING DETAIL SHEET
Drawn by	LOG	Checked by	TAK					
Scale	AS SHOWN			32	of 33			

