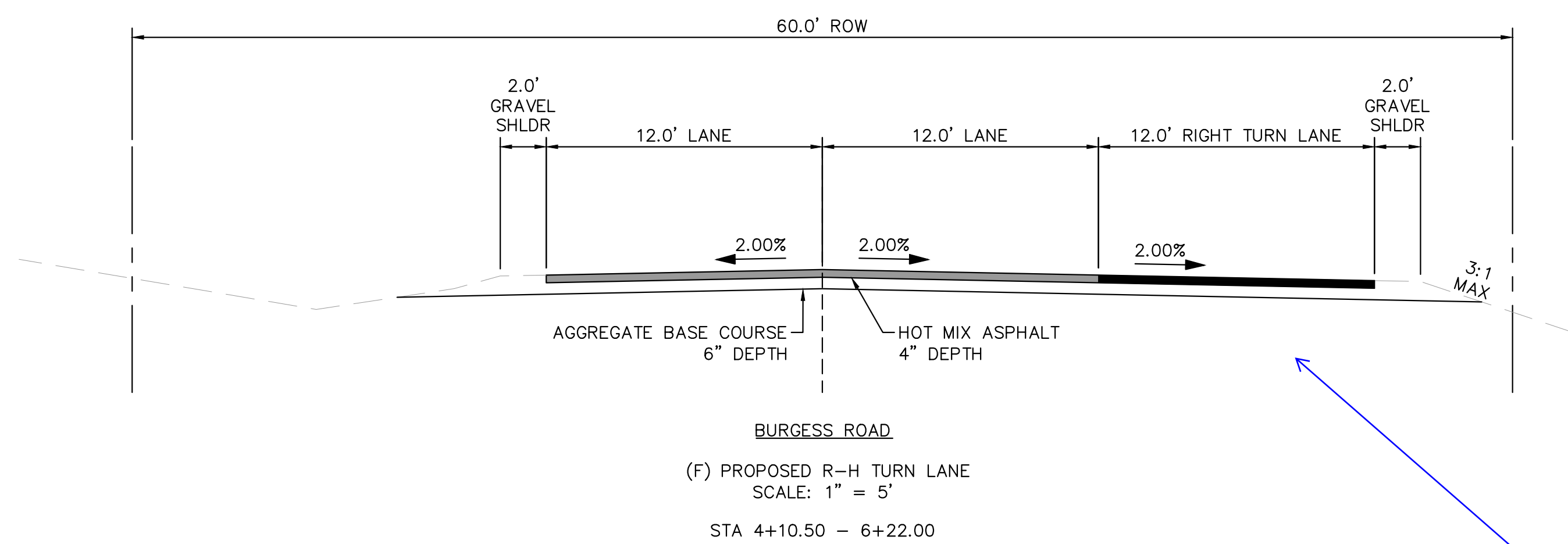


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NOTE

1. ROADWAY SECTION DIMENSIONS ARE PRELIMINARY AND ARE TO BE CONFIRMED WITH A PAVEMENT DESIGN REPORT SUBMITTED TO THE COUNTY.

OFF-SITE ROADWAY TYPICAL SECTIONS



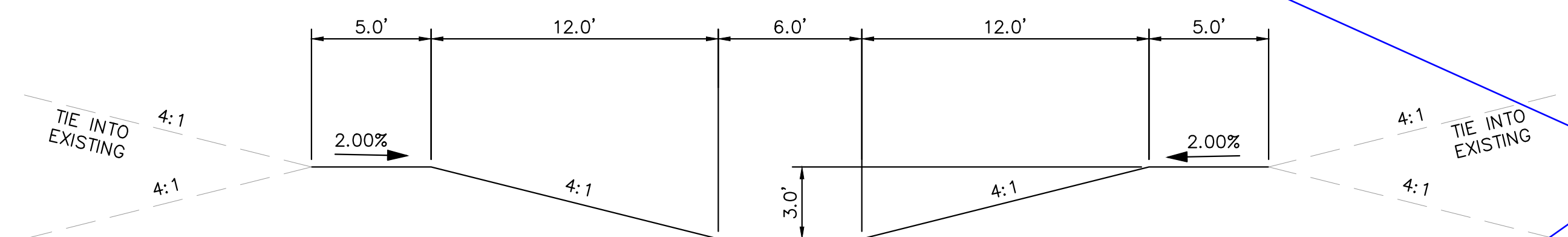
	BURGESS ROAD	RAYGOR ROAD
ROADWAY CLASSIFICATION	RURAL MINOR ARTERIAL	RURAL LOCAL (LOW VOLUME)
DESIGN SPEED	50 MPH	30 MPH
POSTED SPEED	45 MPH	30 MPH
℄ GRADE (MIN./MAX.)	1.0%/6.0%	1.0%/8.0%
INTERSECTION GRADES (MIN./MAX.)	1.0%/4.0%	1.0%/4.0%
MINIMUM S.S.D HORIZONTAL	570'	200'
MINIMUM S.S.D. VERTICAL (CREST CURVE)/DESIGN K	570'/151	200'/19
MINIMUM S.S.D. VERTICAL (SAG CURVE)/DESIGN K	570'/136	200'/37
REDIRECT TAPERS	45:1	15:1

BURGESS ROAD
(F) PROPOSED R-H TURN LANE
SCALE: 1" = 5'
STA 4+10.50 - 6+22.00

label as section F to match what is shown on sheet C1.18

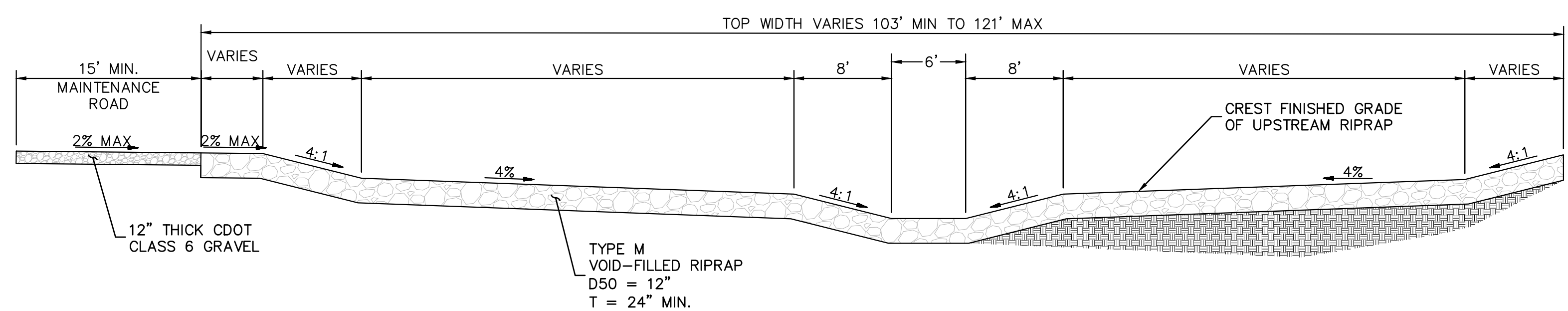
DRAINAGE CHANNEL CROSS SECTIONS

(G) 6' BOTTOM CHANNEL-WITH TOP BENCH (POND 3)
SCALE: 1" = 5'



please identify where these sections are located on the plans. It appears that the south channel section may be section H shown on the plans.

(H) 6' SOUTH CHANNEL SECTION
SCALE: 1" = 8'



NOTE

1. MAINTENANCE ACCESS ROAD PROVIDED PER EPC ECM 6.5.3

revise to 3.3.3.K as 6.5.3 does not exist

NO.	REVISION	BY	DATE	APPR

Kimley»Horn
2024 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KRK
DATE: 06/27/2024

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
TYPICAL SECTIONS

PRELIMINARY
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Kimley»Horn
Kimley-Horn and Associates, Inc.

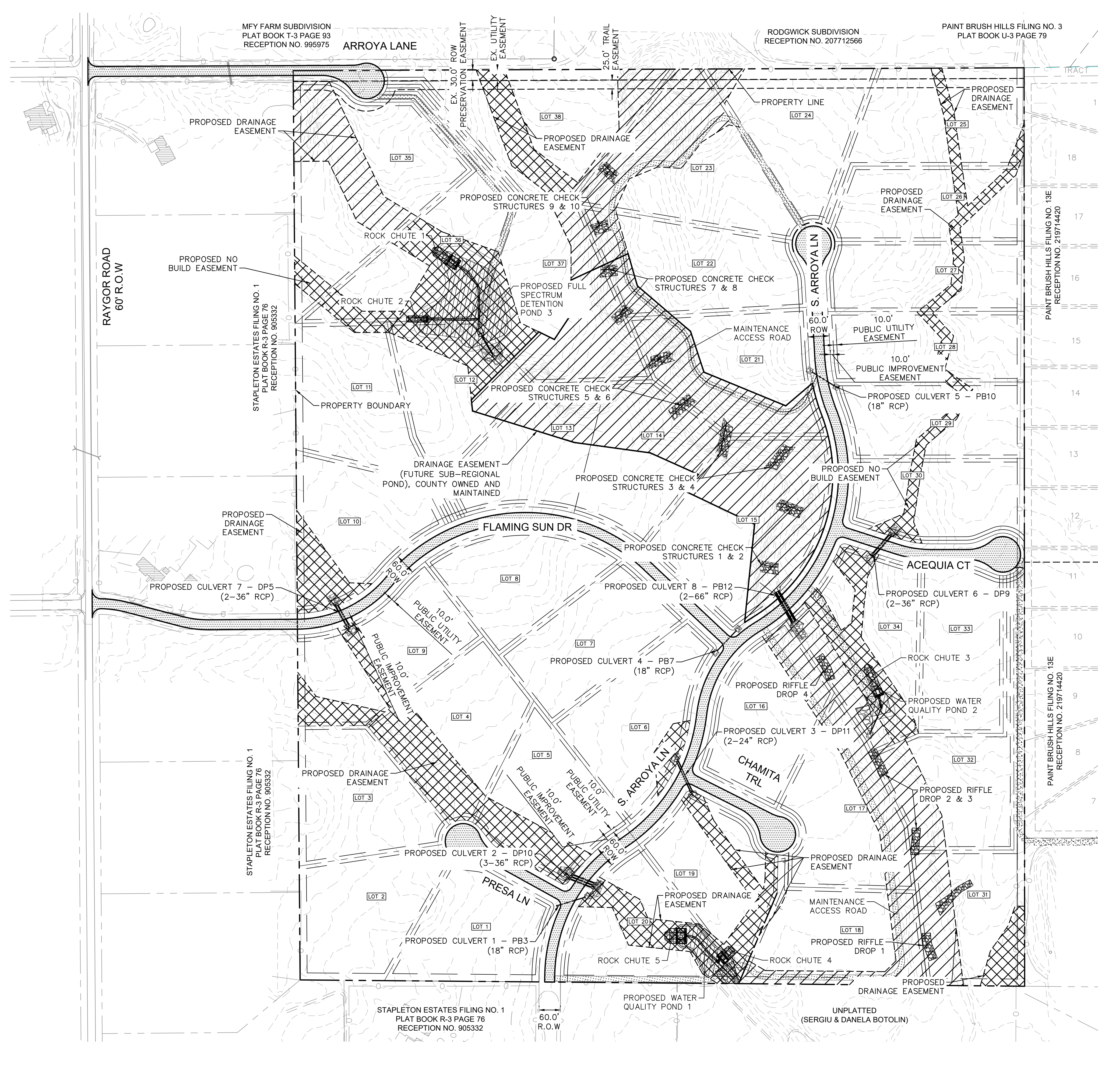
PROJECT NO.
196106001

SHEET
C1.2

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CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES



LEGEND

- PROPERTY/LOT LINE
- ROW LINE
- LOT #
- PROPOSED DRAINAGE EASEMENT
- PROPOSED ROAD (ASPHALT PAVEMENT)
- PROPOSED MAINTENANCE ROAD
- PROPOSED POND

NORTH

GRAPHIC SCALE IN FEET
0 75 150 300

NO.	REVISION	BY	DATE

Kimley»Horn
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2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KRK
DATE: 06/27/2024

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
OVERALL SITE PLAN

PRELIMINARY
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Kimley»Horn
Kimley-Horn and Associates, Inc.

PROJECT NO.
196106001

SHEET
C1.3

PCD FILE #: SF-22-42

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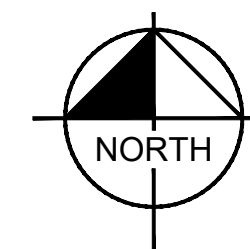
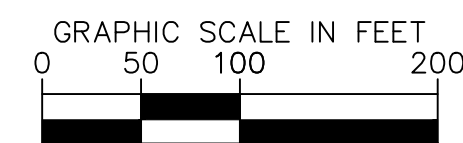
NOTE

- 1. IN COUNTY EASEMENTS WITH DRAINAGE INFRASTRUCTURE, THE COUNTY IS RESPONSIBLE FOR MAINTENANCE OF DRAINAGE STRUCTURES WHILE THE METRO DISTRICT IS RESPONSIBLE FOR MAINTENANCE OF VEGETATION.

please add vegetation, TRM, and coir mat

LEGEND

- PROPERTY/LOT LINE
ROW LINE
LOT #
LOT NUMBER
PROPOSED DRAINAGE EASEMENT
PROPOSED DRAINAGE EASEMENT (MAINTAINED BY METRO DISTRICT)
PROPOSED DRAINAGE EASEMENT (MAINTAINED BY COUNTY)

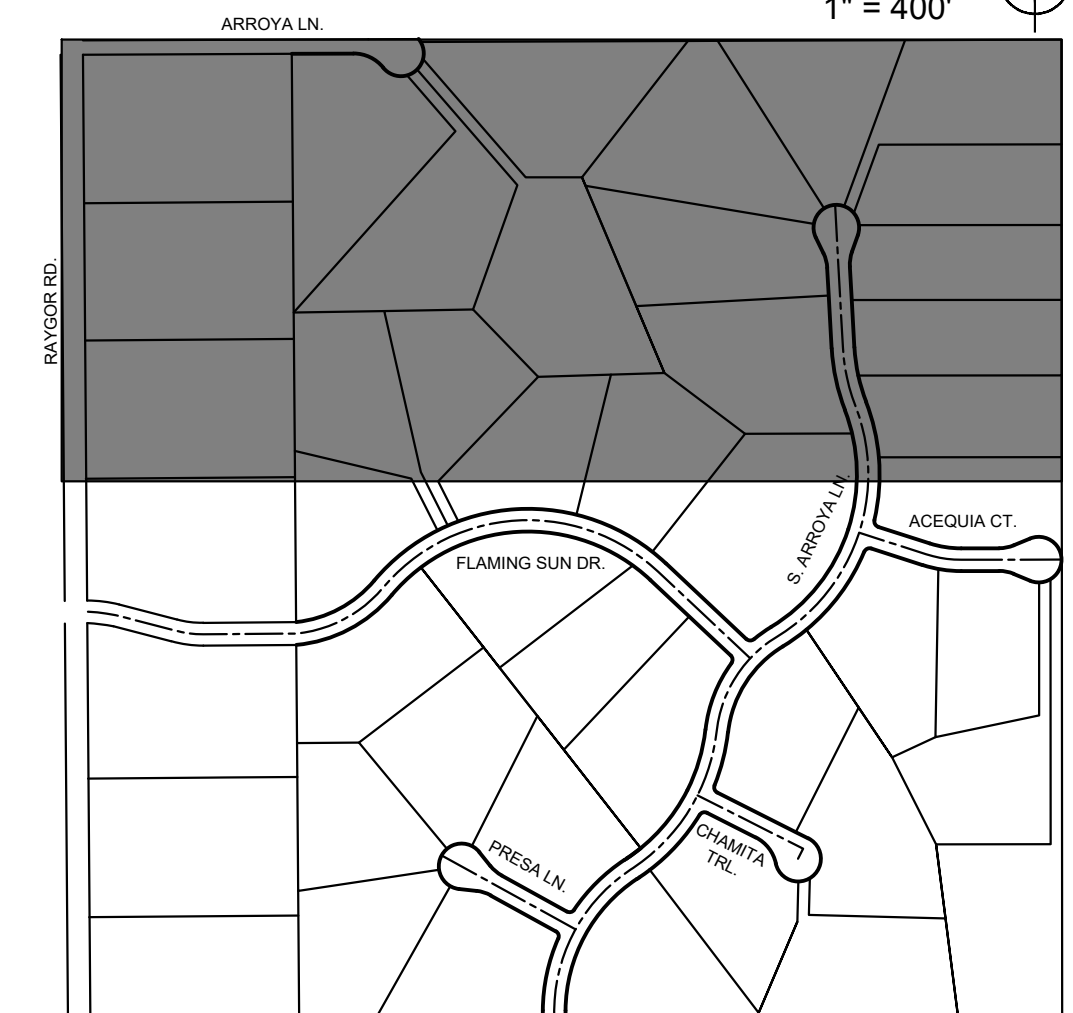


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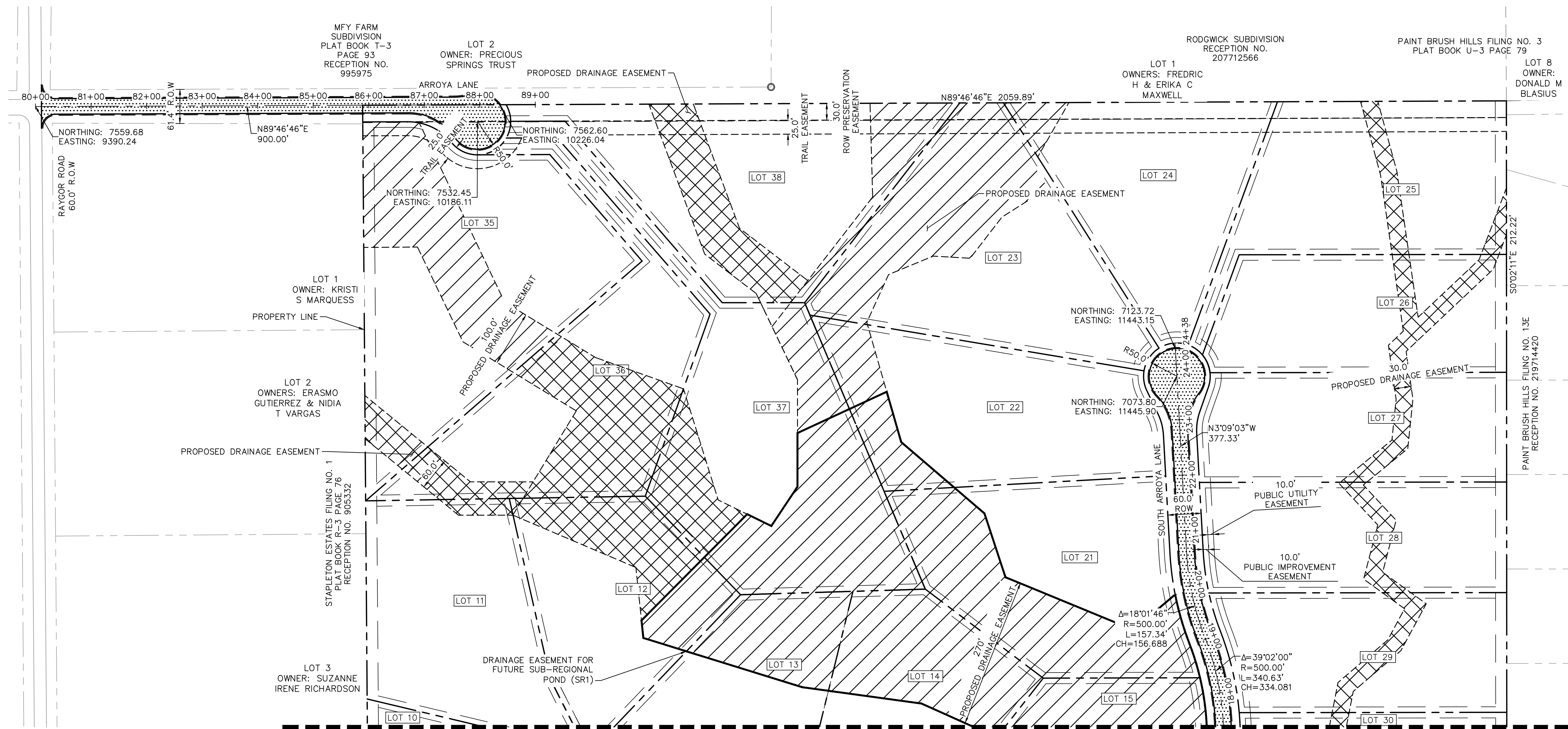
CONTROL POINTS AS SHOWN HEREON. ELEVATIONS ARE BASED ON CITY OF COLORADO SPRINGS MONUMENT F_65. PANEL POINTS 50 FOUND AT THE NW CORNER OF RAYGOR ROAD AND ARROYA LANE (EL=7281.39), AND 51 FOUND AT THE NW CORNER OF RAYGOR ROAD AND FLAMING SUN DRIVE (EL=7251.58). (DATUM: NGVD 29).

BASIS OF BEARINGS

ALL BEARINGS USED HEREIN ARE BASED ON AN ASSUMED BEARING S00°02'11"E (S00°02'11"E PER THE RECORDED DEED), A DISTANCE OF 2587.22 FEET (2587.32 FEET OF RECORD) BETWEEN A 2-1/2" ALUMINUM CAP STAMPED "PLS 4842" AT THE NORTHEAST CORNER OF THE NORTHWEST ONE-QUARTER CORNER OF SECTION 26 AND A 2" ALUMINUM CAP STAMPED "PLS 25968" AT THE CENTER ONE-QUARTER OF SAID SECTION 26.



PCD FILE #: SF-22-42



MATCHLINE SEE SHEET C1.5 FOR CONTINUATION

Table with columns: NO., REVISION, BY, DATE, APPR.

Kimley-Horn logo and address: 2024 KIMLEY-HORN AND ASSOCIATES, INC. 2 North Nevada Avenue Suite 900 Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KRK
DATE: 06/27/2024

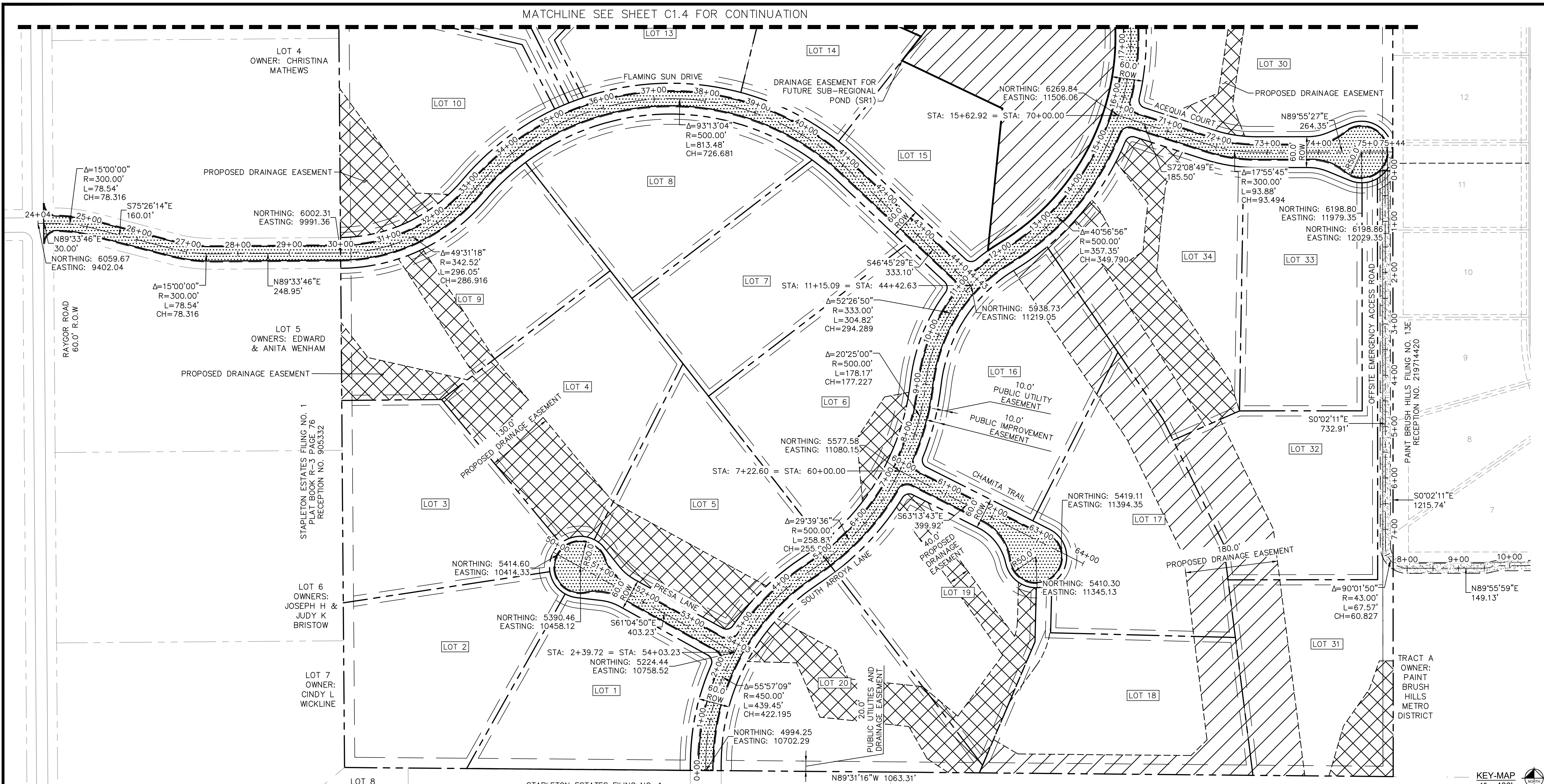
EAGLEVIEW EL PASO COUNTY, COLORADO CONSTRUCTION DOCUMENTS HORIZONTAL CONTROL PLAN

PRELIMINARY FOR REVIEW ONLY NOT FOR CONSTRUCTION Kimley-Horn and Associates, Inc.

PROJECT NO. 196106001 SHEET

C1.4

MATCHLINE SEE SHEET C1.4 FOR CONTINUATION

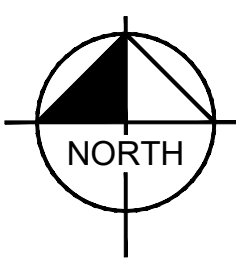
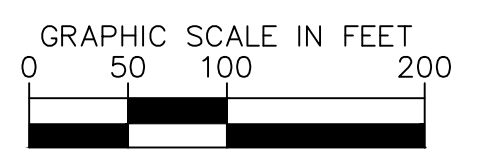


NOTE

1. IN COUNTY EASEMENTS WITH DRAINAGE INFRASTRUCTURE, THE COUNTY IS RESPONSIBLE FOR MAINTENANCE OF DRAINAGE STRUCTURES WHILE THE METRO DISTRICT IS RESPONSIBLE FOR MAINTENANCE OF VEGETATION.

LEGEND

- PROPERTY/LOT LINE
ROW LINE
LOT NUMBER
PROPOSED DRAINAGE EASEMENT
PROPOSED DRAINAGE EASEMENT (MAINTAINED BY METRO DISTRICT)
PROPOSED DRAINAGE EASEMENT (MAINTAINED BY COUNTY)



BENCHMARK

CONTROL POINTS AS SHOWN HEREON. ELEVATIONS ARE BASED ON CITY OF COLORADO SPRINGS MONUMENT F-65. PANEL POINTS 50 FOUND AT THE NW CORNER OF RAYGOR ROAD AND ARROYA LANE (EL=7281.39), AND 51 FOUND AT THE NW CORNER OF RAYGOR ROAD AND FLAMING SUN DRIVE (EL=7251.58). (DATUM: NGVD 29).

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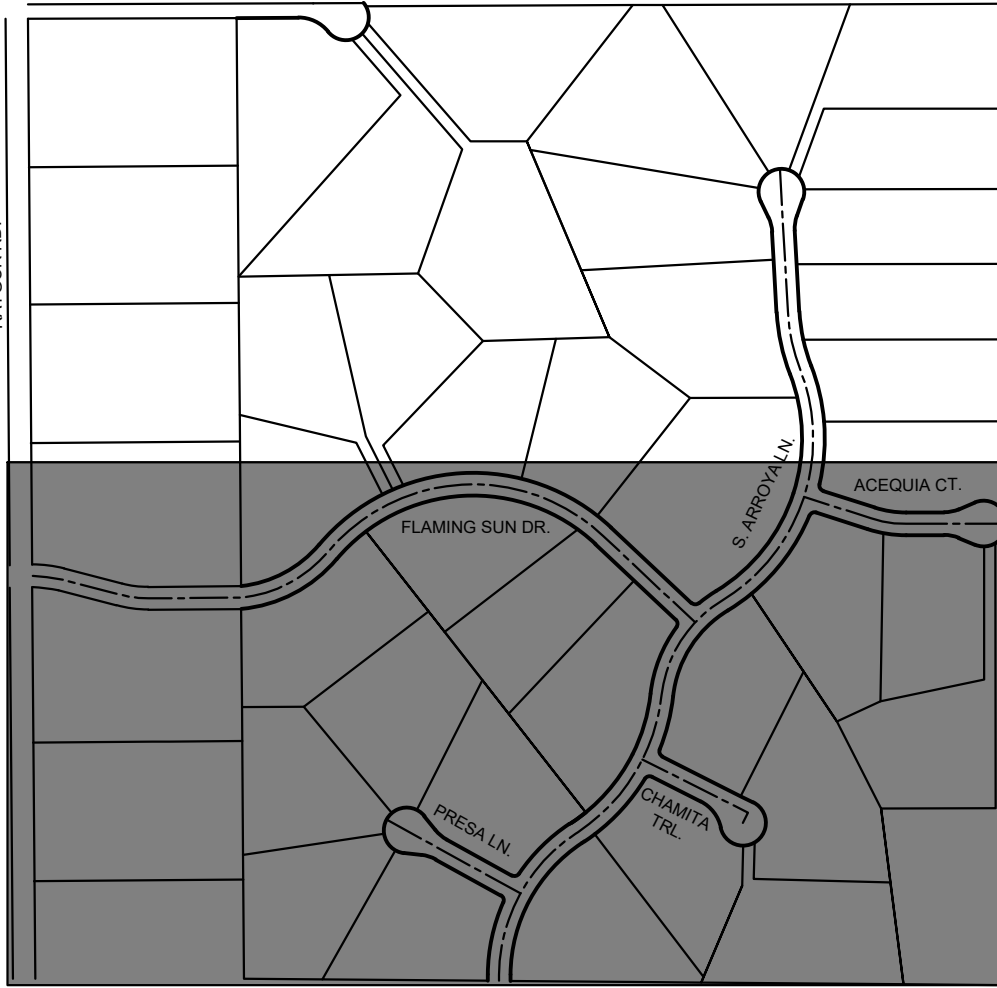


Table with columns: NO., REVISION, BY, DATE, APPR.

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2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

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DRAWN BY: MJK
CHECKED BY: KRK
DATE: 06/27/2024

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
HORIZONTAL CONTROL PLAN

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Kimley Horn

PROJECT NO. 196106001
SHEET

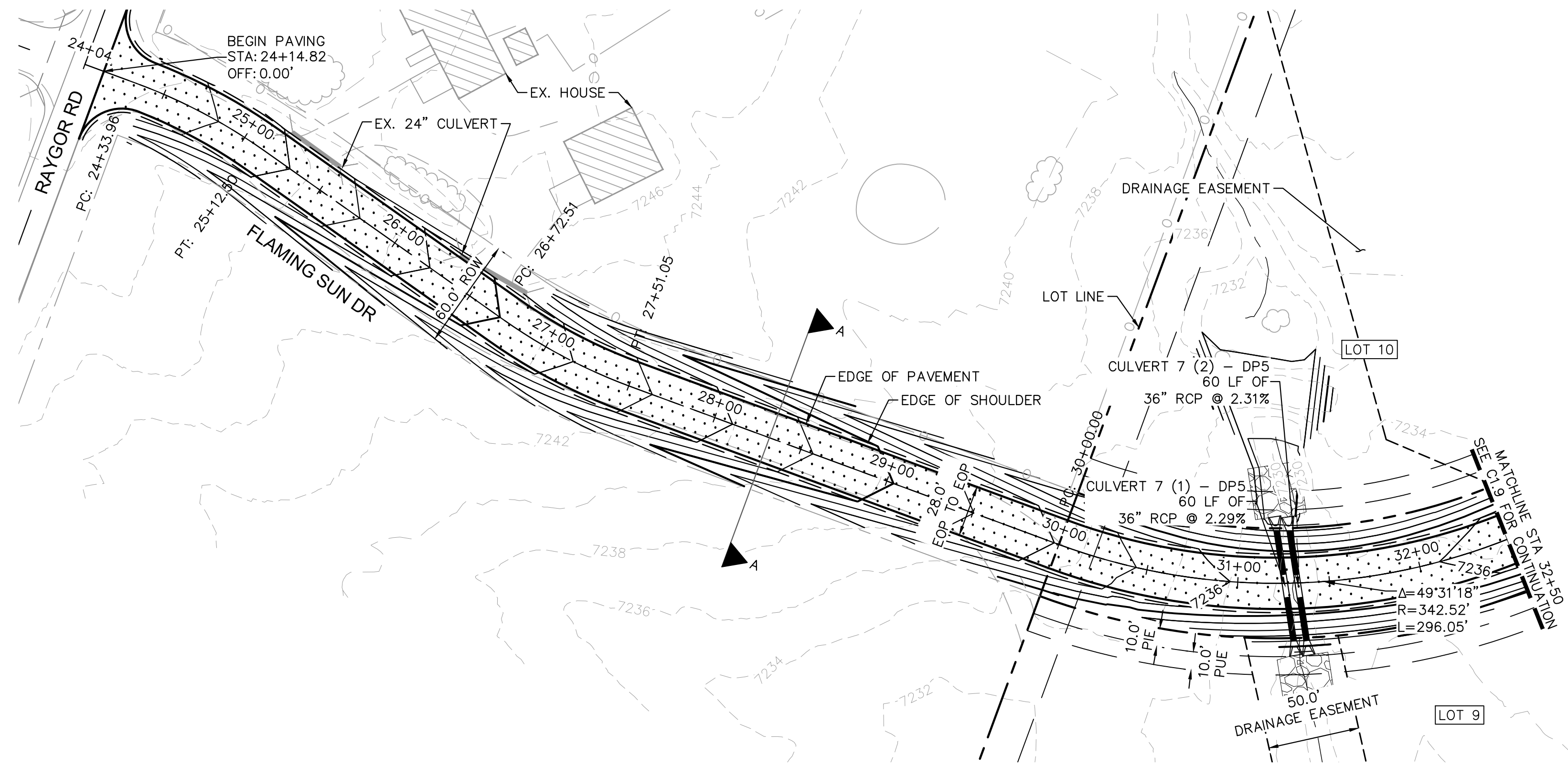
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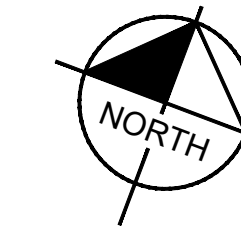
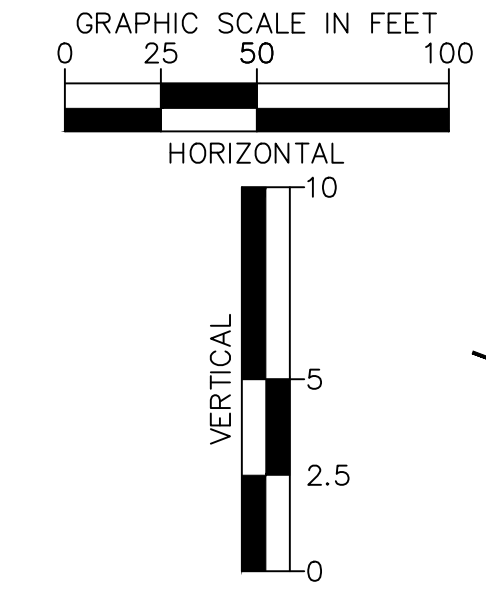
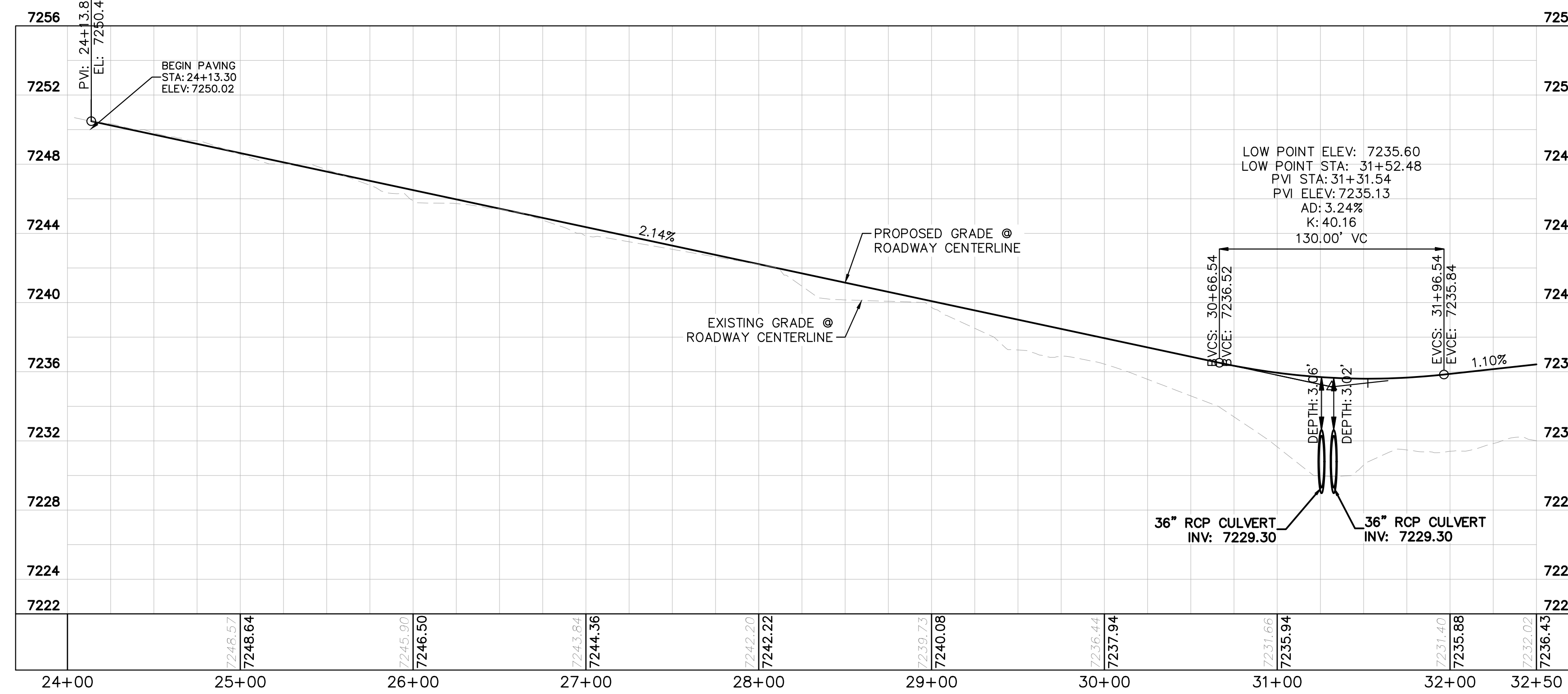


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FLAMING SUN DR. PROFILE
STA: 24+00 TO 32+50



LEGEND

- PROPERTY/LOT LINE
- ROW LINE
- UTILITY EASEMENT LINE
- LOT # LOT NUMBER
- x-x- PROPOSED DRAINAGE EASEMENT
- x-x- CROSS SECTION (SEE SHEET C1.1)
- PROPOSED CULVERT
- EXISTING CULVERT
- 7XXX- EXISTING MAJOR CONTOUR
- 7XXX- EXISTING MINOR CONTOUR
- 7XXX--- PROPOSED MAJOR CONTOUR
- 7XXX--- PROPOSED MINOR CONTOUR
- PROPOSED EDGE OF PAVEMENT
- PROPOSED EDGE OF SHOULDER
- TURF REINFORCEMENT MAT
- ASPHALT PAVEMENT

NOTES

1. SEE SHEET C1.1 FOR TYPICAL ROADWAY SECTIONS AND ROADSIDE DITCH CONFIGURATIONS AS LABELED IN PLAN VIEW.
2. PIE = PUBLIC IMPROVEMENT EASEMENT
3. PUE = PUBLIC UTILITY EASEMENT



NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
 DRAWN BY: MJK
 CHECKED BY: KKK
 DATE: 06/27/2024

EAGLEVIEW
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
FLAMING SUN DR. PLAN & PROFILE

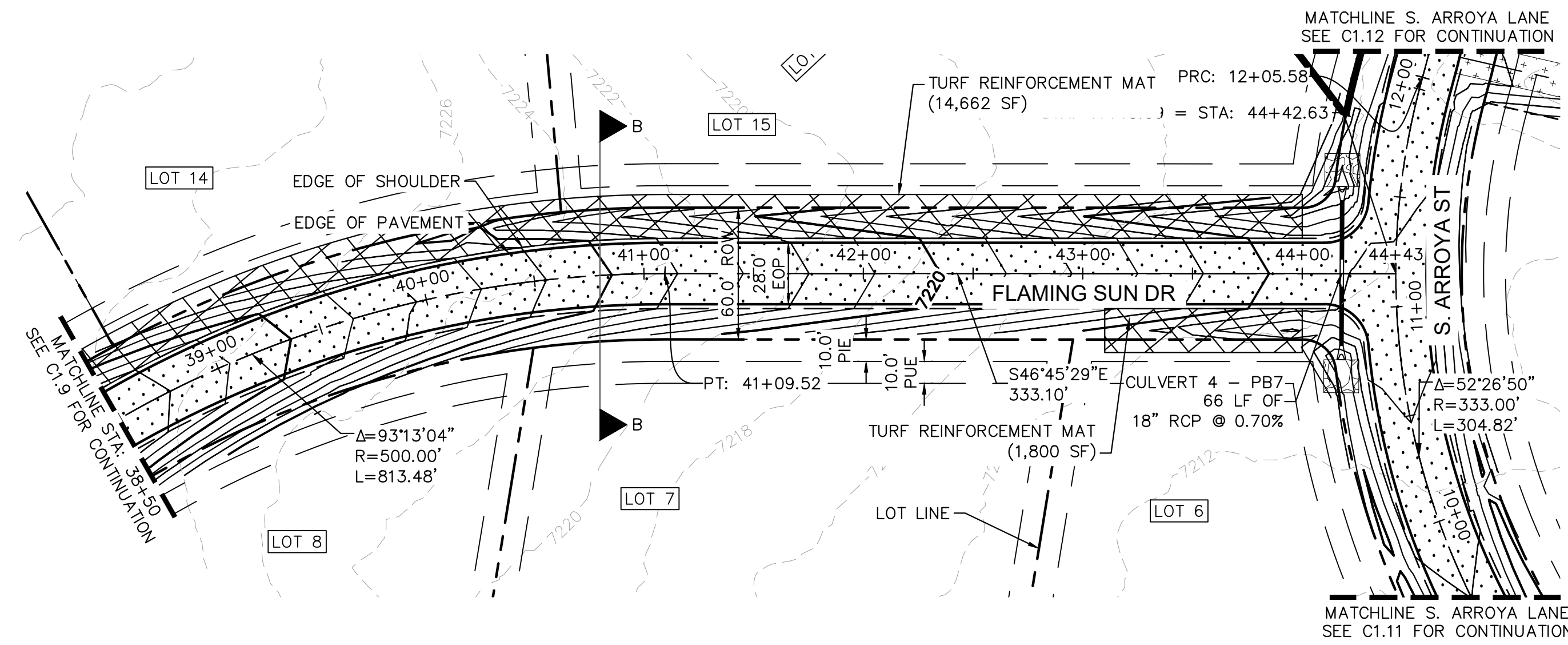
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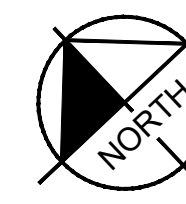
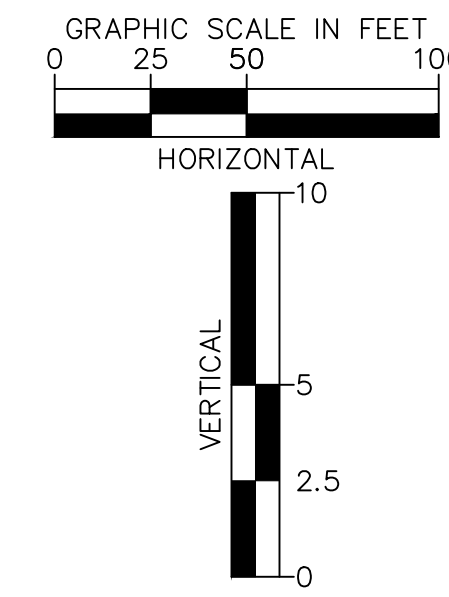
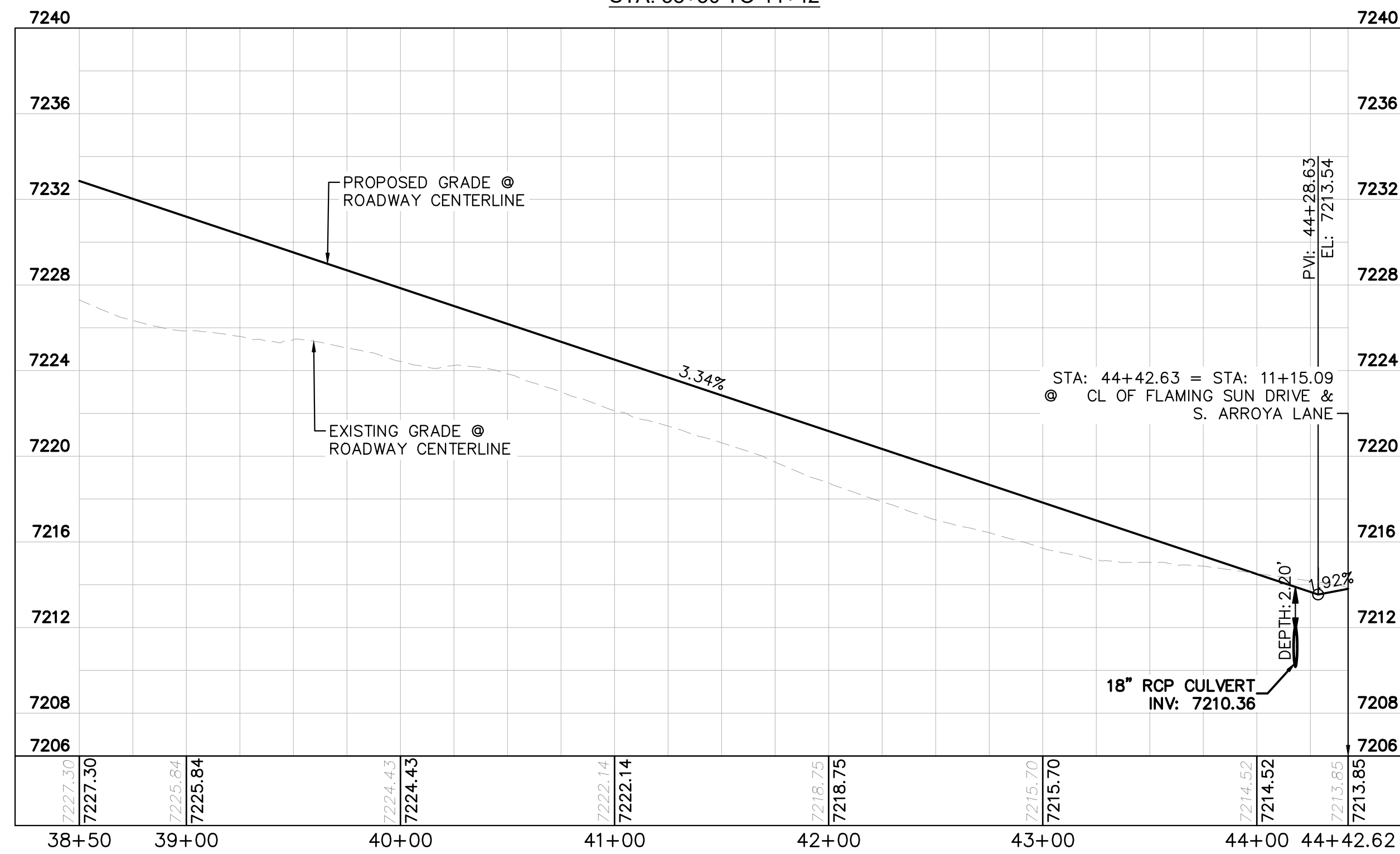
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FLAMING SUN DR. PROFILE
STA: 38+50 TO 44+42

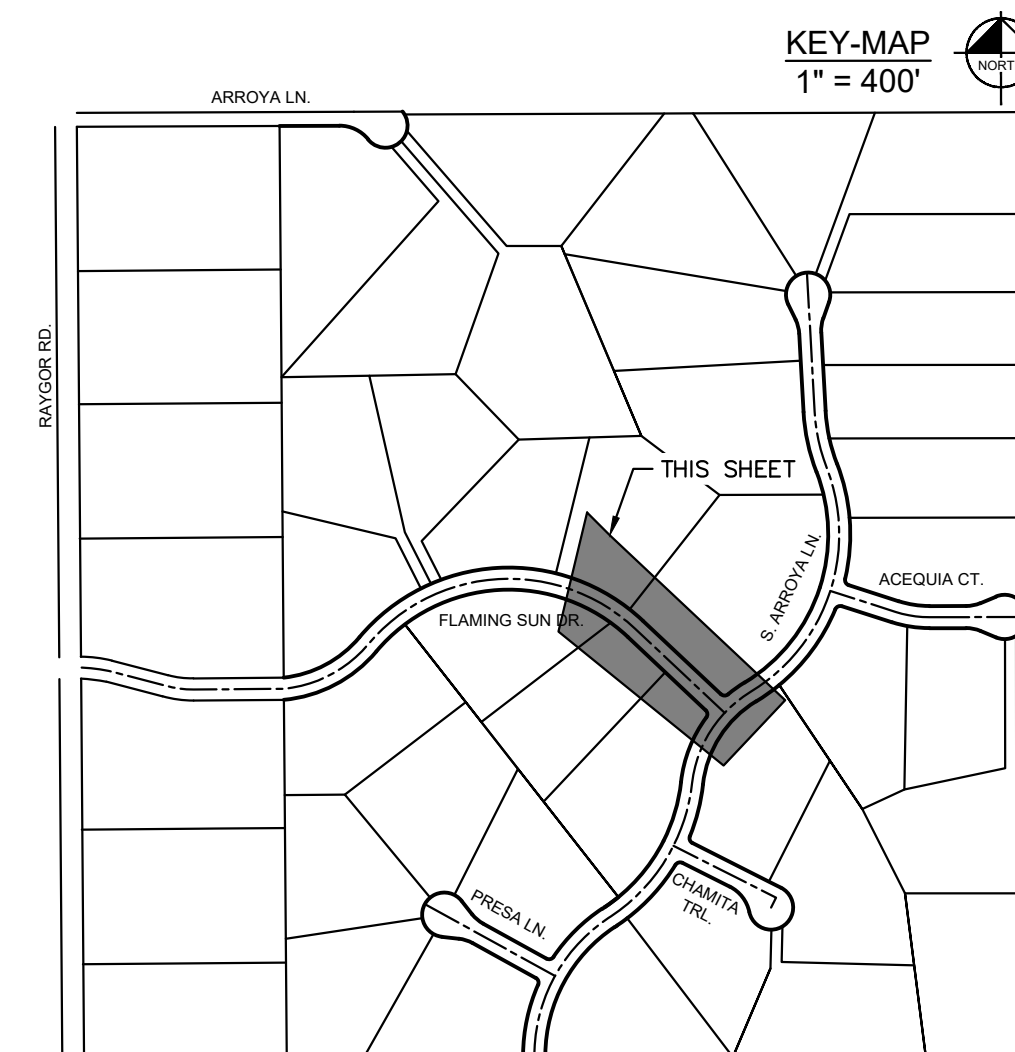


LEGEND

- PROPERTY/LOT LINE
- ROW LINE
- UTILITY EASEMENT LINE
- LOT # LOT NUMBER
- x-x- PROPOSED DRAINAGE EASEMENT
- ▲▲ CROSS SECTION (SEE SHEET C1.1)
- PROPOSED CULVERT
- EXISTING CULVERT
- 7XXX- EXISTING MAJOR CONTOUR
- 7XXX- EXISTING MINOR CONTOUR
- 7XXX PROPOSED MAJOR CONTOUR
- 7XXX PROPOSED MINOR CONTOUR
- PROPOSED EDGE OF PAVEMENT
- PROPOSED EDGE OF SHOULDER
- ▨ TURF REINFORCEMENT MAT
- ▨ ASPHALT PAVEMENT

NOTES

1. SEE SHEET C1.1 FOR TYPICAL ROADWAY SECTIONS AND ROADSIDE DITCH CONFIGURATIONS AS LABELED IN PLAN VIEW.
2. PIE = PUBLIC IMPROVEMENT EASEMENT
3. PUE = PUBLIC UTILITY EASEMENT



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Kimley»Horn
 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
 DRAWN BY: MJK
 CHECKED BY: KKK
 DATE: 06/27/2024

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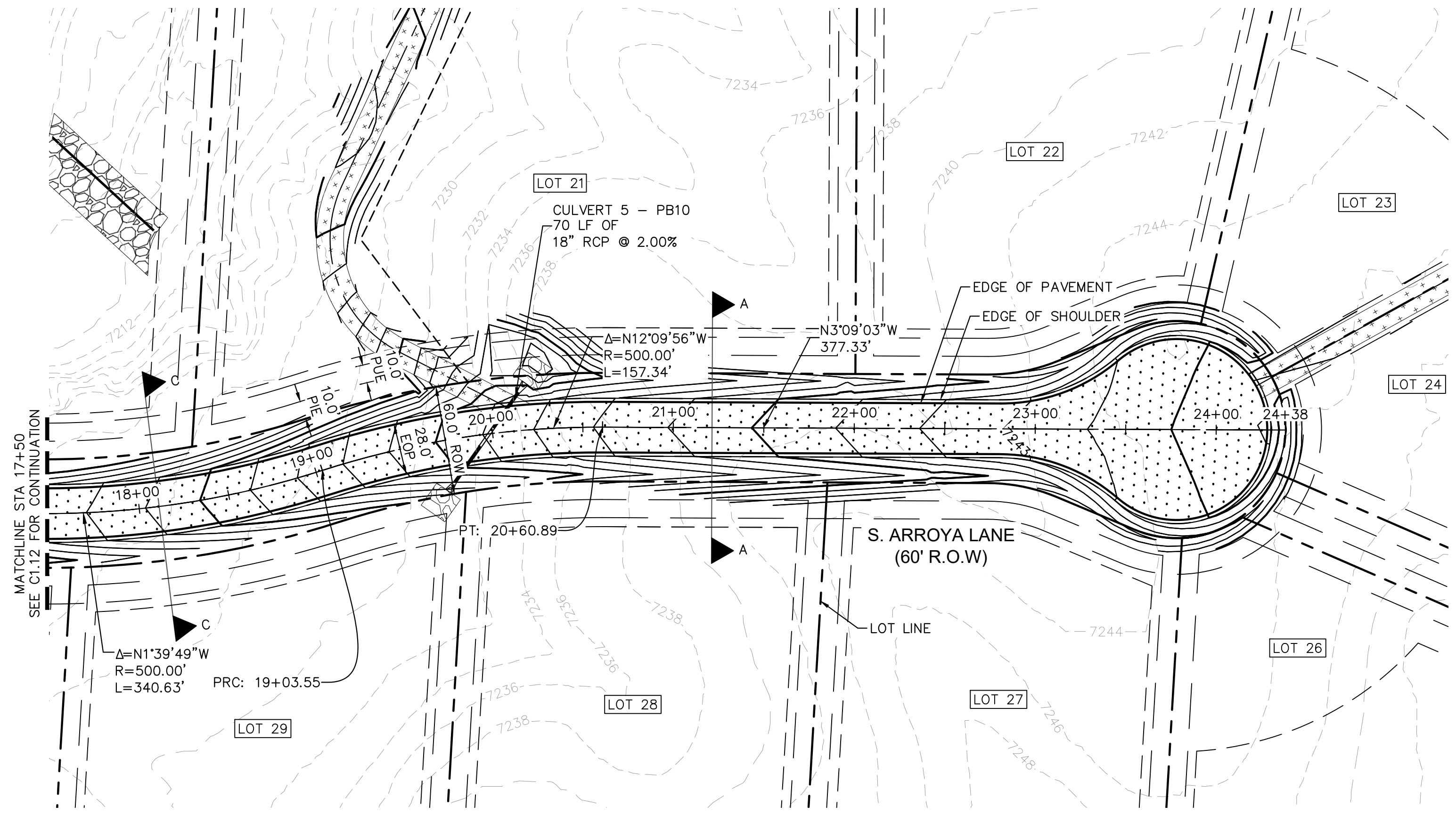
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PROJECT NO.
 196106001
 SHEET

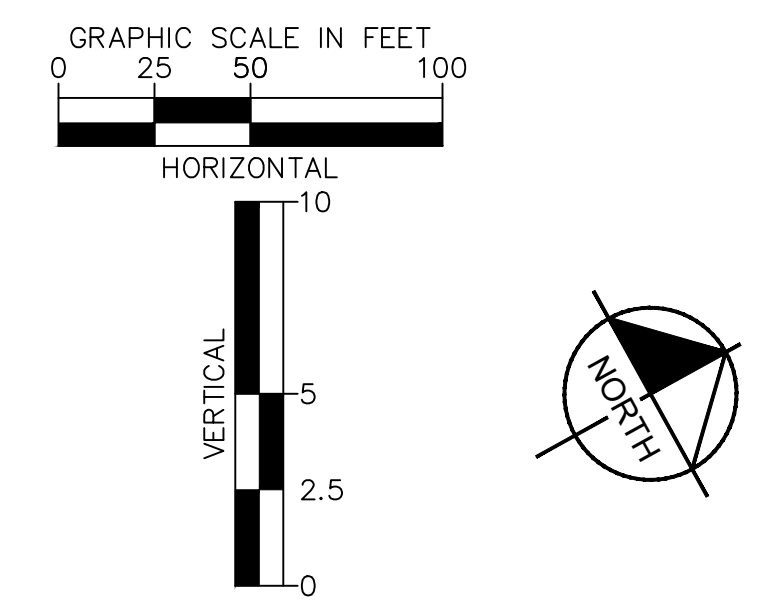
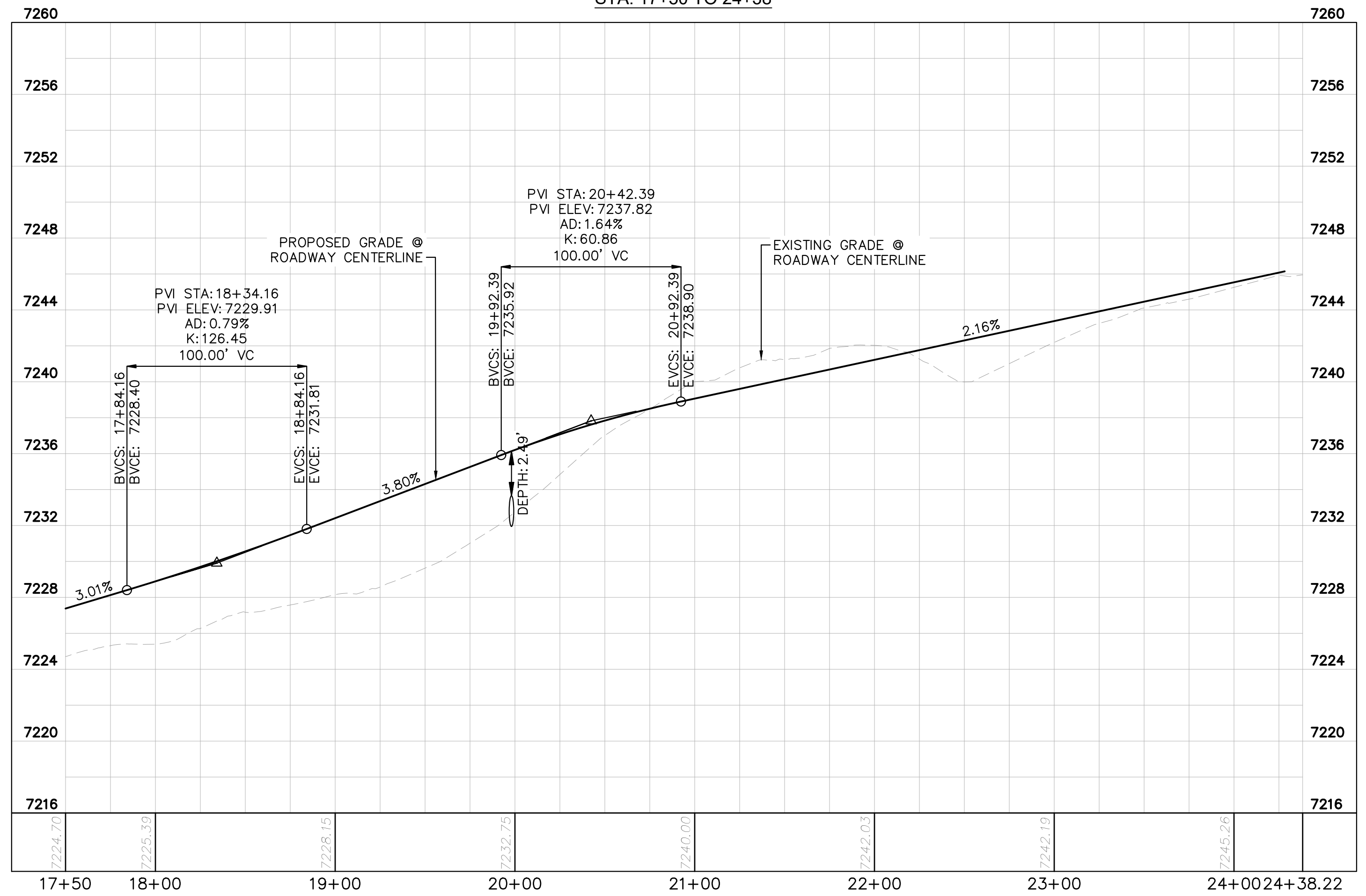
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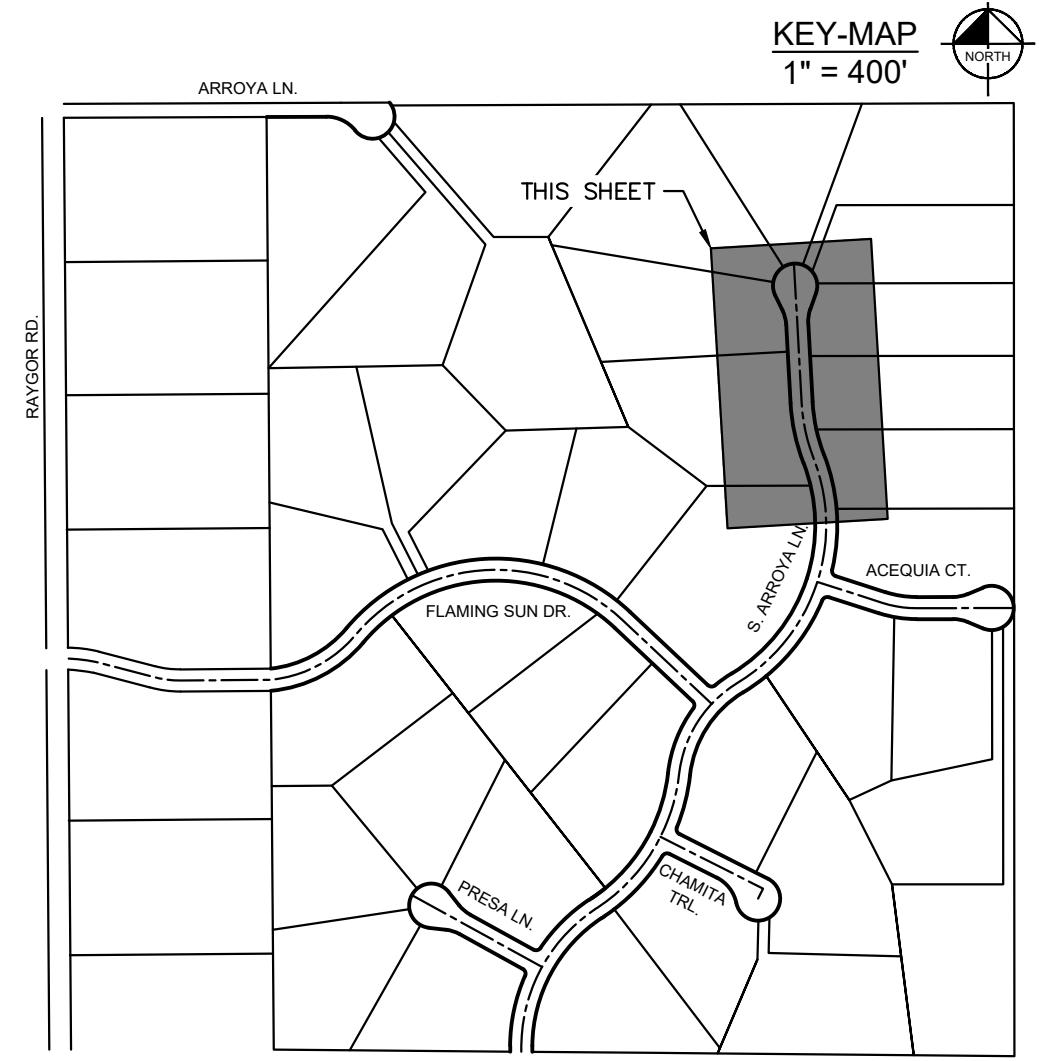
S. ARROYA LANE PROFILE
STA: 17+50 TO 24+38



- LEGEND**
- PROPERTY/LOT LINE
 - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT # LOT NUMBER
 - x-x- PROPOSED DRAINAGE EASEMENT
 - ▲ x ▲ CROSS SECTION (SEE SHEET C1.1)
 - PROPOSED CULVERT
 - EXISTING CULVERT
 - 7XXX- EXISTING MAJOR CONTOUR
 - 7XXX- EXISTING MINOR CONTOUR
 - 7XXX--- PROPOSED MAJOR CONTOUR
 - 7XXX--- PROPOSED MINOR CONTOUR
 - PROPOSED EDGE OF PAVEMENT
 - PROPOSED EDGE OF SHOULDER
 - ▲▲▲▲ TURF REINFORCEMENT MAT
 - ASPHALT PAVEMENT

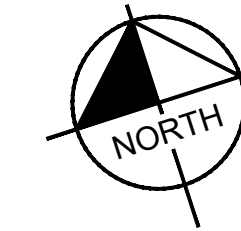
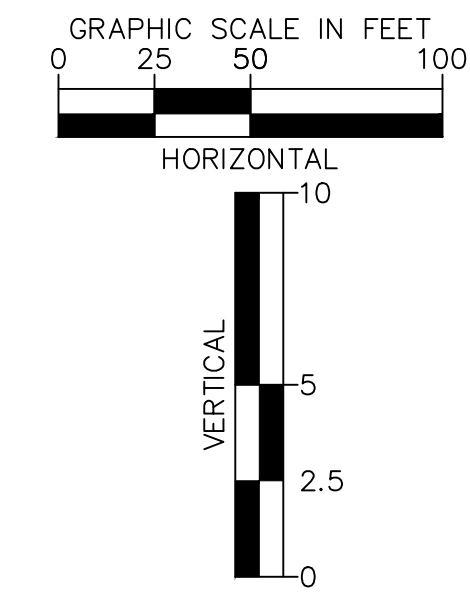
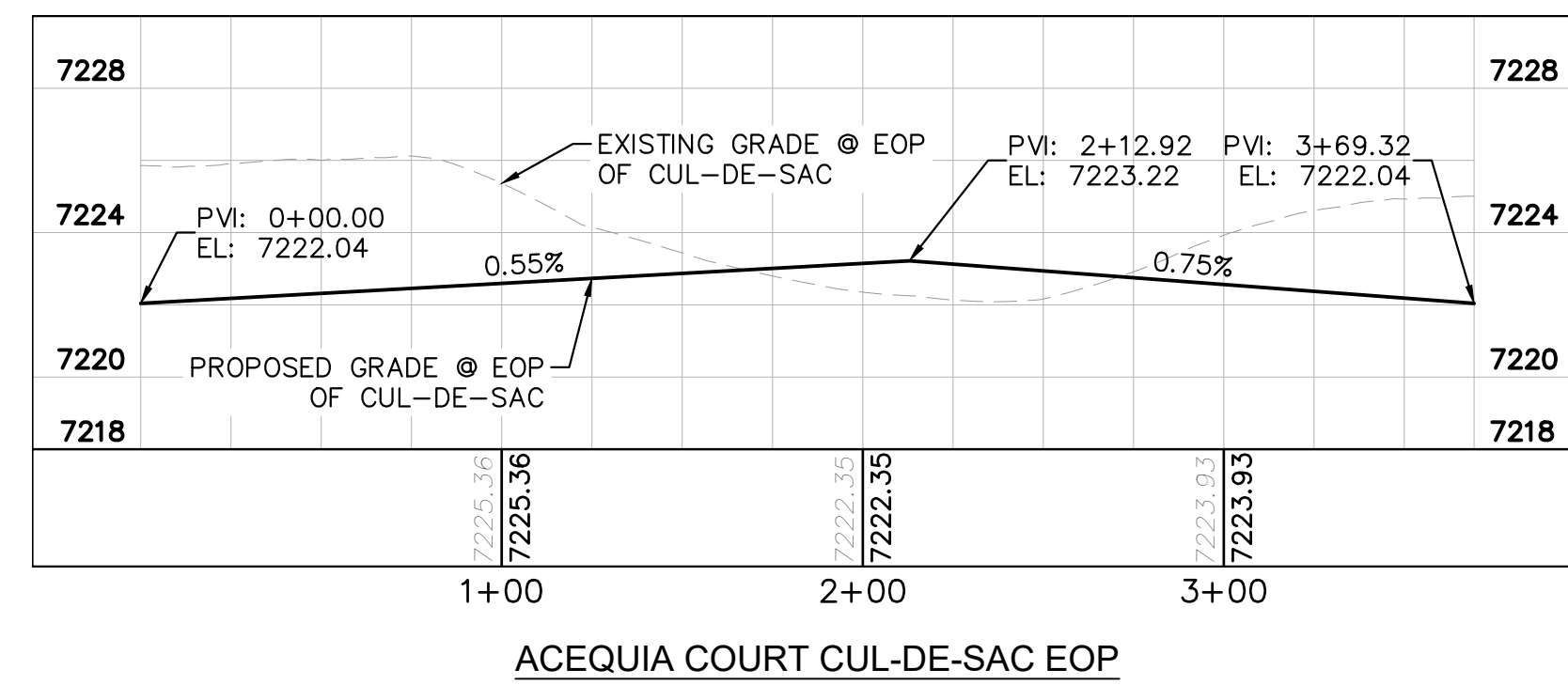
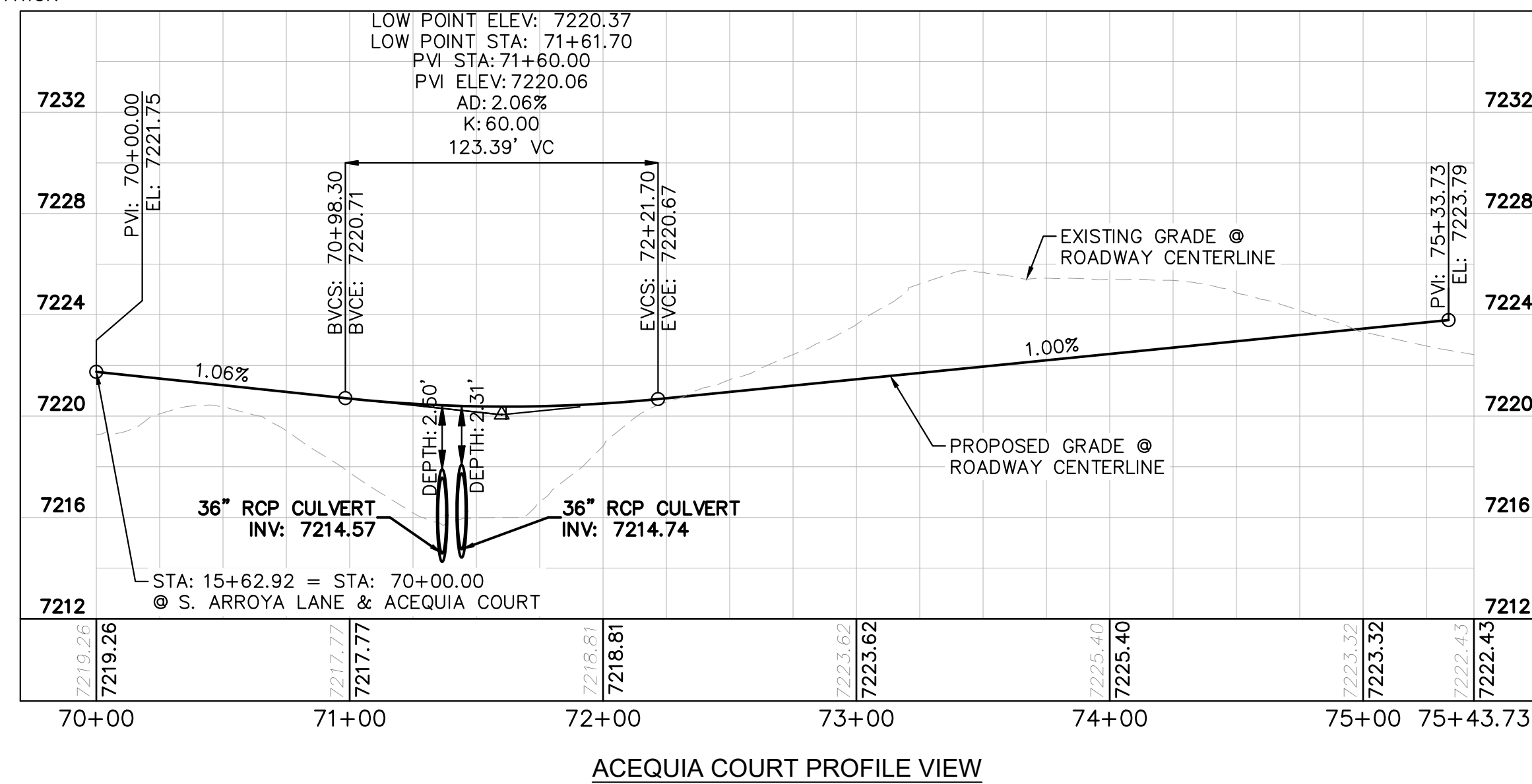
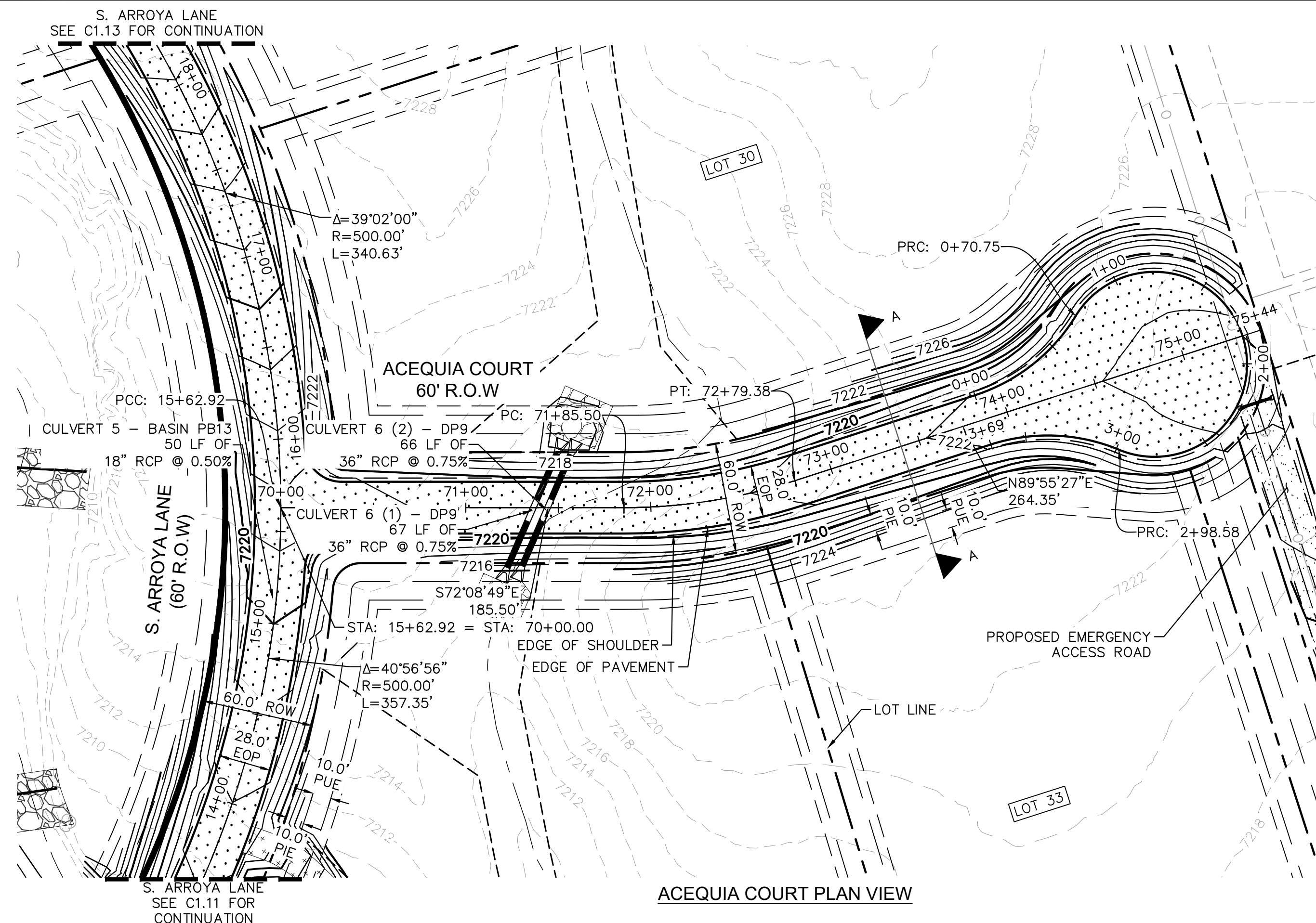
NOTES

- SEE SHEET C1.1 FOR TYPICAL ROADWAY SECTIONS AND ROADSIDE DITCH CONFIGURATIONS AS LABELED IN PLAN VIEW.
- PIE = PUBLIC IMPROVEMENT EASEMENT
- PUE = PUBLIC UTILITY EASEMENT



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DESIGNED BY: MJK	DATE: 06/27/2024
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CHECKED BY: KKK	
EAGLEVIEW EL PASO COUNTY, COLORADO CONSTRUCTION DOCUMENTS S. ARROYA LN. PLAN & PROFILE	
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PROJECT NO. 196106001	SHEET
C1.13	
PCD FILE #: SF-22-42	

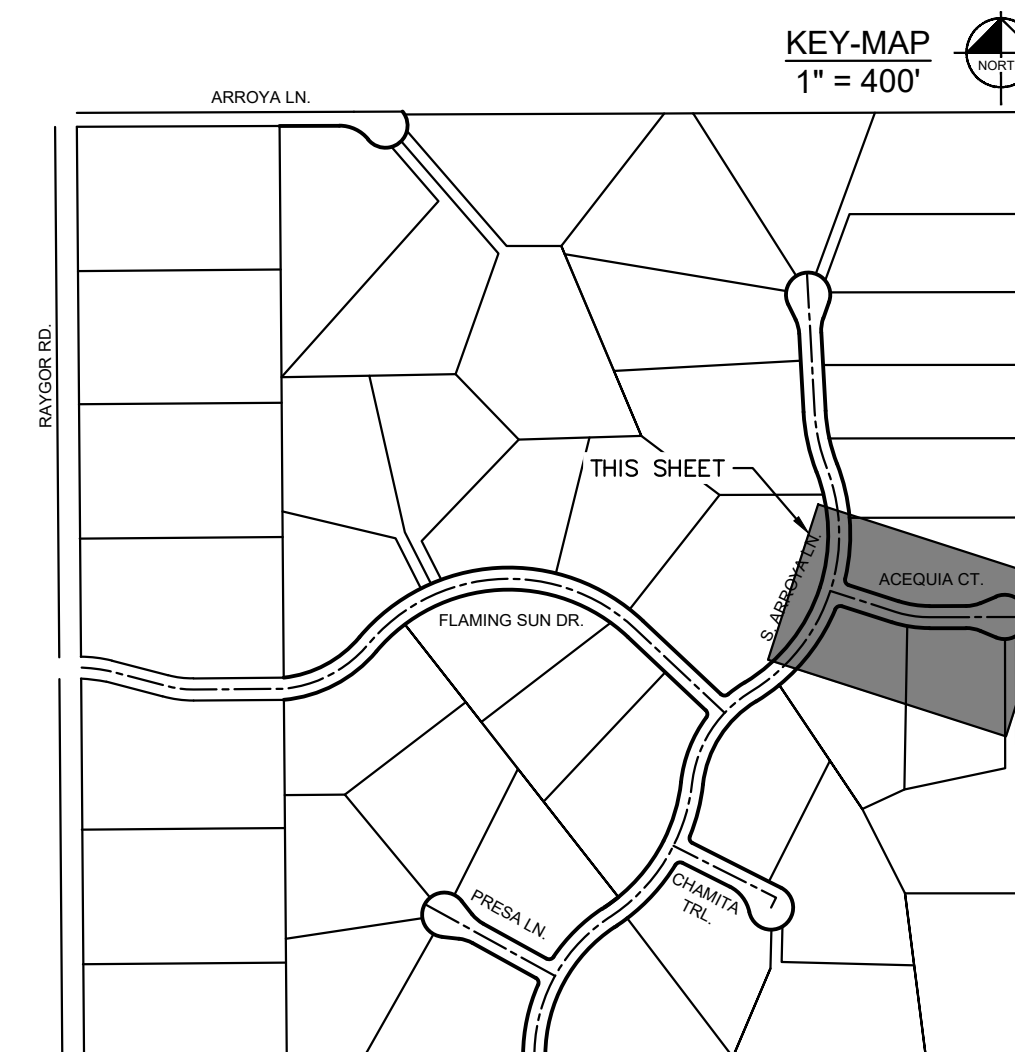
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- LEGEND**
- PROPERTY/LOT LINE
 - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT # LOT NUMBER
 - X-X- PROPOSED DRAINAGE EASEMENT
 - X-X-X-X CROSS SECTION (SEE SHEET C1.1)
 - PROPOSED CULVERT
 - EXISTING CULVERT
 - 7XXX- EXISTING MAJOR CONTOUR
 - 7XXX- EXISTING MINOR CONTOUR
 - 7XXX- PROPOSED MAJOR CONTOUR
 - 7XXX- PROPOSED MINOR CONTOUR
 - PROPOSED EDGE OF PAVEMENT
 - PROPOSED EDGE OF SHOULDER
 - X-X-X-X TURF REINFORCEMENT MAT
 - ASPHALT PAVEMENT

NOTES

1. SEE SHEET C1.1 FOR TYPICAL ROADWAY SECTIONS AND ROADSIDE DITCH CONFIGURATIONS AS LABELED IN PLAN VIEW.
2. PIE = PUBLIC IMPROVEMENT EASEMENT
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NO.	REVISION	BY	DATE	APPR.

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 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
 DRAWN BY: MJK
 CHECKED BY: KRK
 DATE: 06/27/2024

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ACEQUIA CT. PLAN & PROFILE

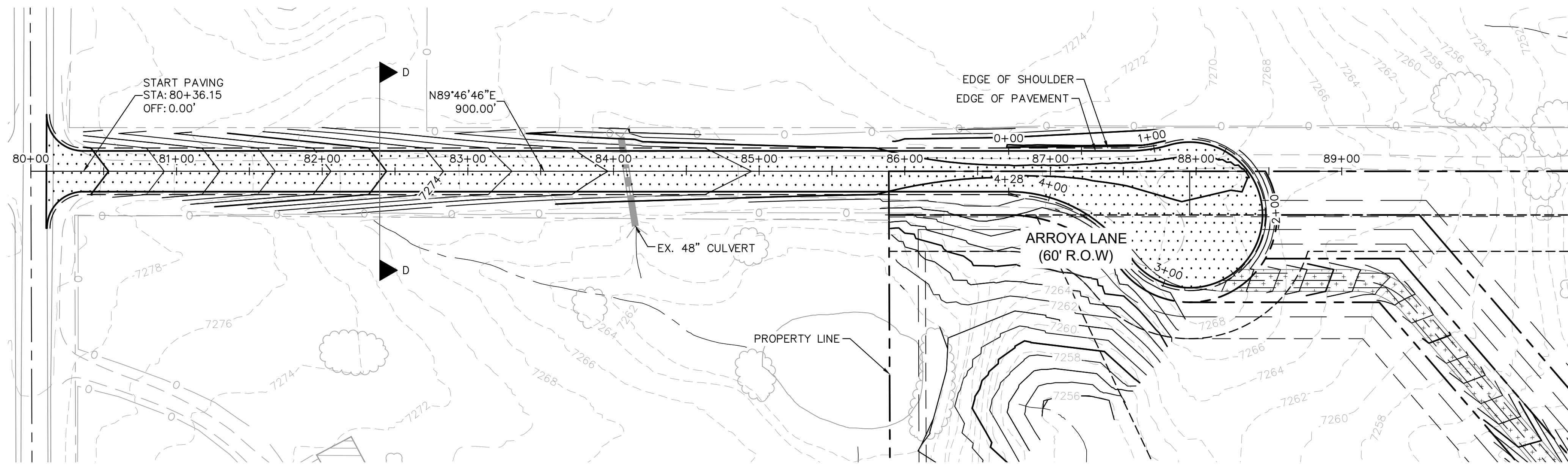
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PROJECT NO.
 196106001
 SHEET

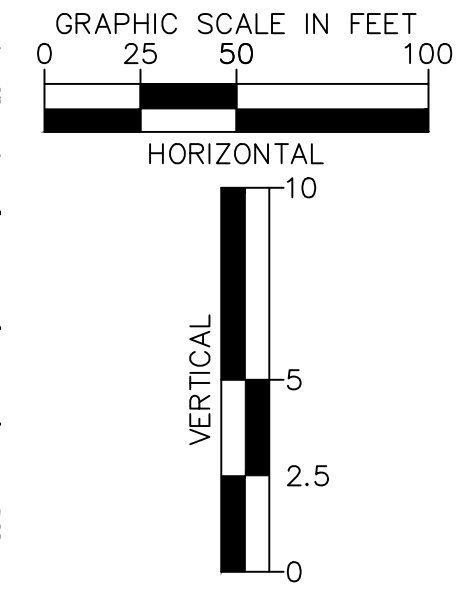
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PCD FILE #: SF-22-42

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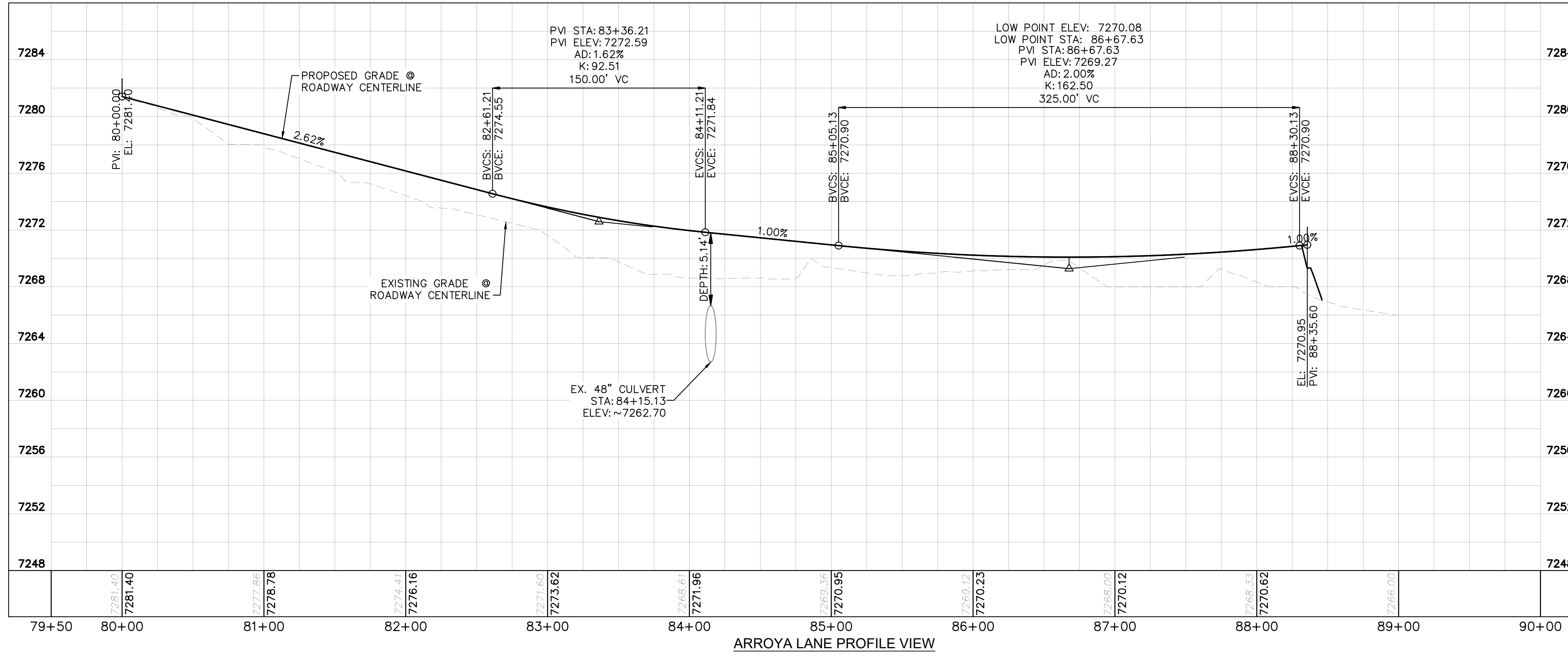
ARROYA LANE PLAN VIEW



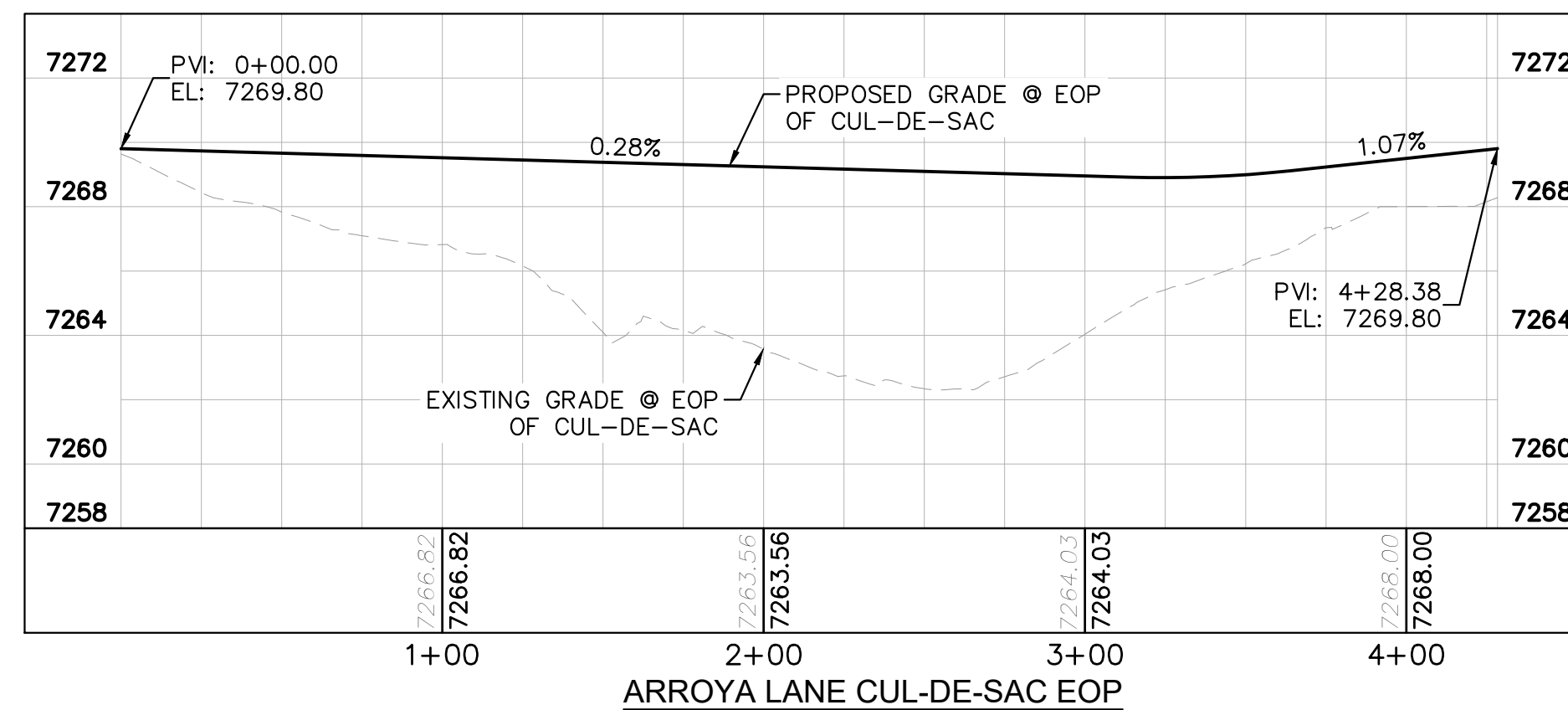
- LEGEND**
- PROPERTY/LOT LINE
 - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT # LOT NUMBER
 - X-X- PROPOSED DRAINAGE EASEMENT
 - X X CROSS SECTION (SEE SHEET C1.1)
 - PROPOSED CULVERT
 - EXISTING CULVERT
 - 7XXX- EXISTING MAJOR CONTOUR
 - 7XXX- EXISTING MINOR CONTOUR
 - 7XXX PROPOSED MAJOR CONTOUR
 - 7XXX PROPOSED MINOR CONTOUR
 - PROPOSED EDGE OF PAVEMENT
 - PROPOSED EDGE OF SHOULDER
 - X X X X X TURF REINFORCEMENT MAT
 - ASPHALT PAVEMENT

NOTES

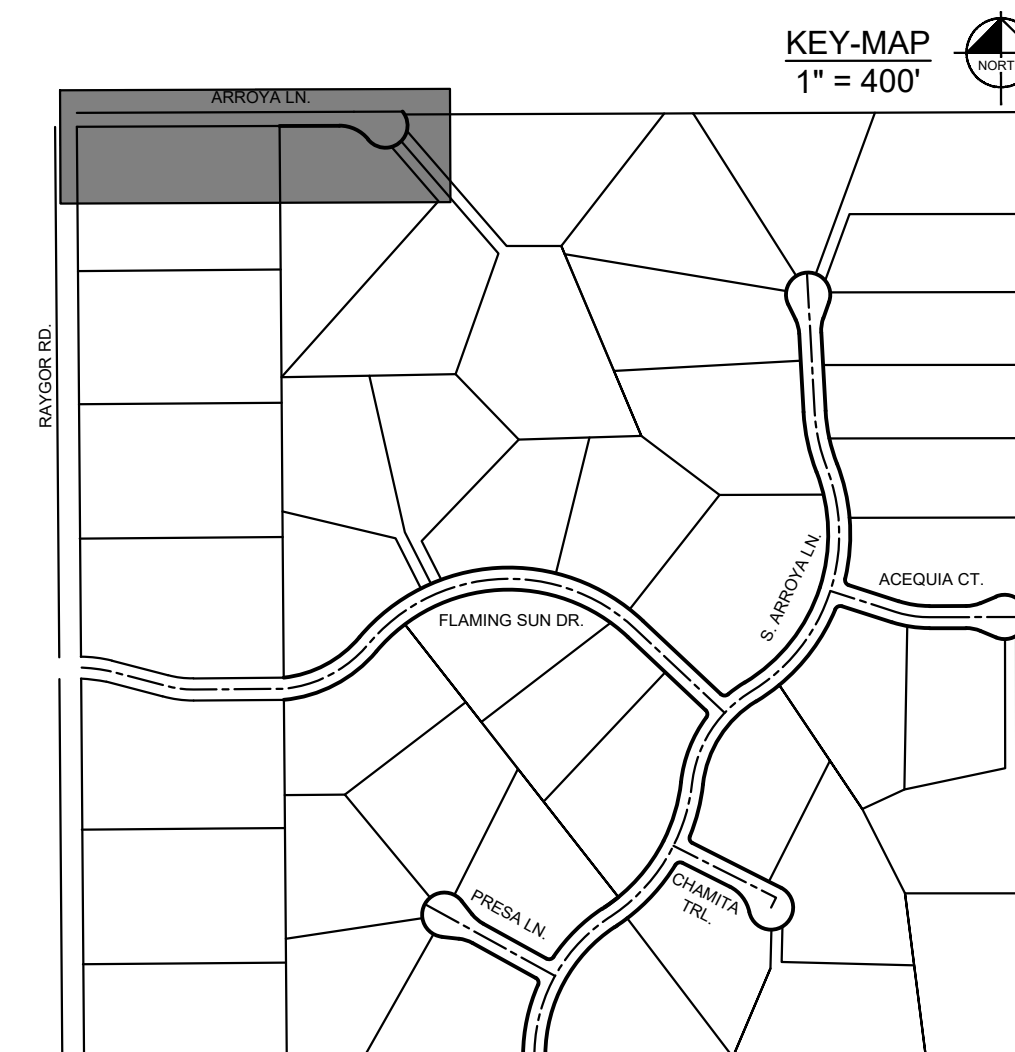
1. SEE SHEET C1.1 FOR TYPICAL ROADWAY SECTIONS AND ROADSIDE DITCH CONFIGURATIONS AS LABELED IN PLAN VIEW.
2. PIE = PUBLIC IMPROVEMENT EASEMENT
3. PUE = PUBLIC UTILITY EASEMENT



ARROYA LANE PROFILE VIEW



ARROYA LANE CUL-DE-SAC EOP



NO.	REVISION	BY	DATE	APPR.

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 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

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 DRAWN BY: MJK
 CHECKED BY: KRK
 DATE: 06/27/2024

EAGLEVIEW
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
ARROYA LN. PLAN & PROFILE

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Kimley»Horn
 Kimley-Horn and Associates, Inc.

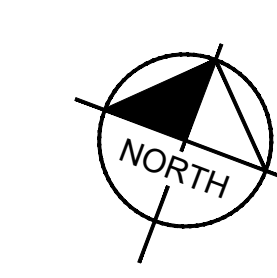
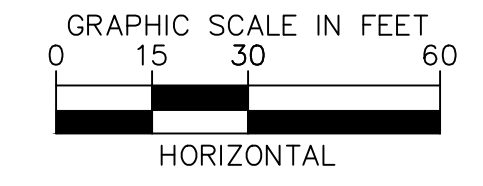
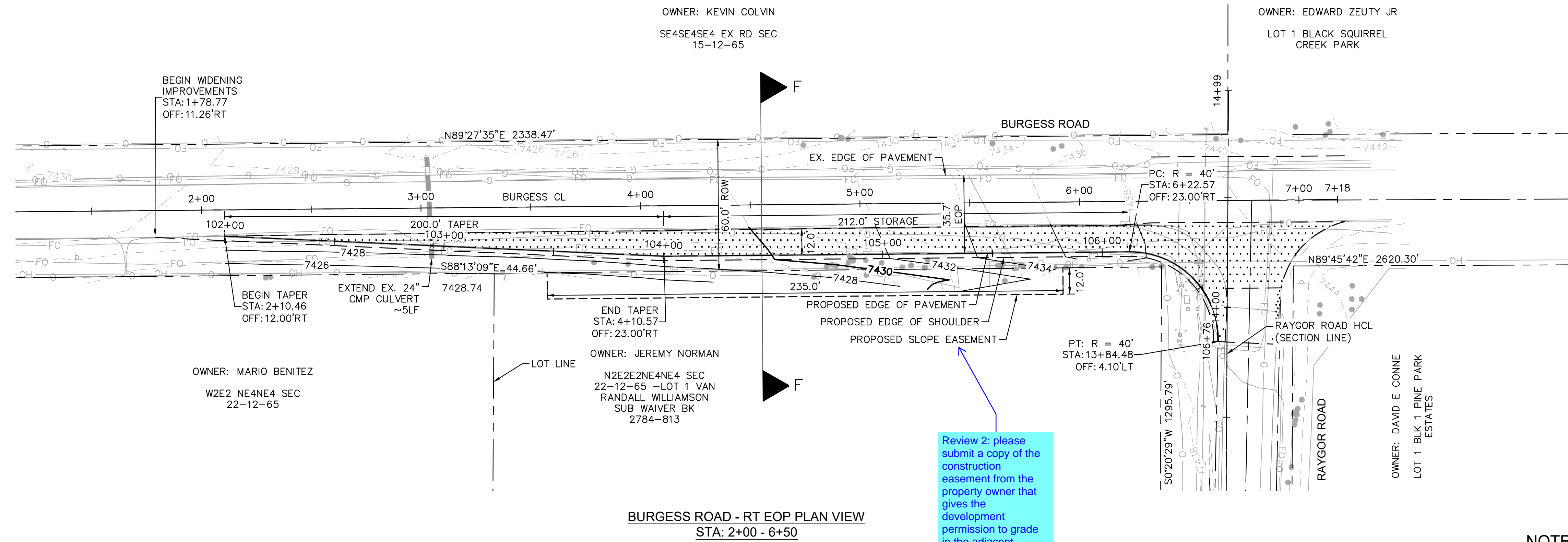
PROJECT NO.
 196106001

SHEET

C1.16

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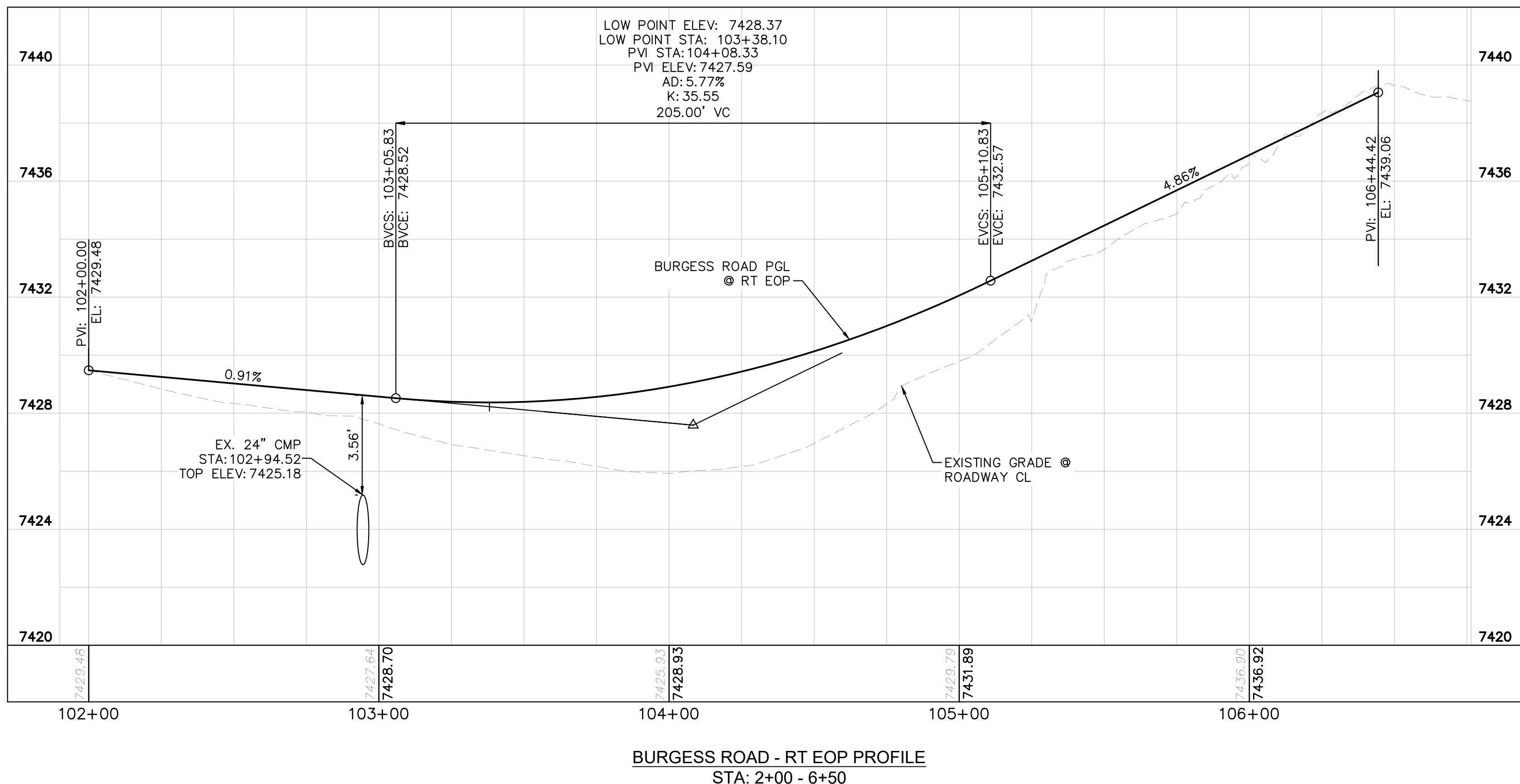
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LEGEND

- PROPERTY/LOT LINE
- ROW LINE
- UTILITY EASEMENT LINE
- LOT #
- PROPOSED DRAINAGE EASEMENT
- x x
- ▲ ▲
- PROPOSED CULVERT
- EXISTING CULVERT
- 7XXX--- EXISTING MAJOR CONTOUR
- 7XXX--- EXISTING MINOR CONTOUR
- 7XXX--- PROPOSED MAJOR CONTOUR
- 7XXX--- PROPOSED MINOR CONTOUR
- SAWCUT
- PROPOSED EDGE OF PAVEMENT
- PROPOSED EDGE OF SHOULDER
- PROPOSED ASPHALT PAVEMENT

- NOTES**
- SEE SHEET C1.1 & C1.2 FOR TYPICAL ROADWAY SECTIONS AND ROADSIDE DITCH CONFIGURATIONS AS LABELED IN PLAN VIEW.
 - PIE = PUBLIC IMPROVEMENT EASEMENT
 - PUE = PUBLIC UTILITY EASEMENT



NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
2024 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

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CHECKED BY: KKK
DATE: 06/27/2024

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
BURGESS PLAN & PROFILE

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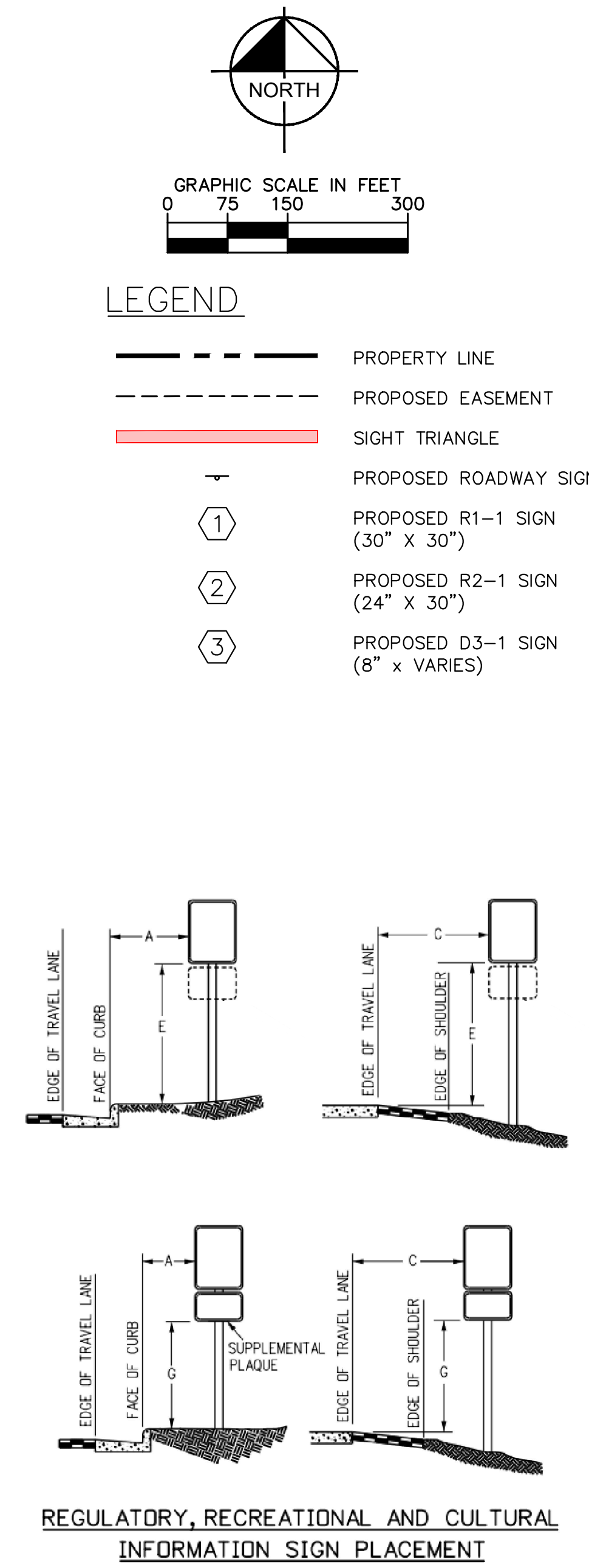
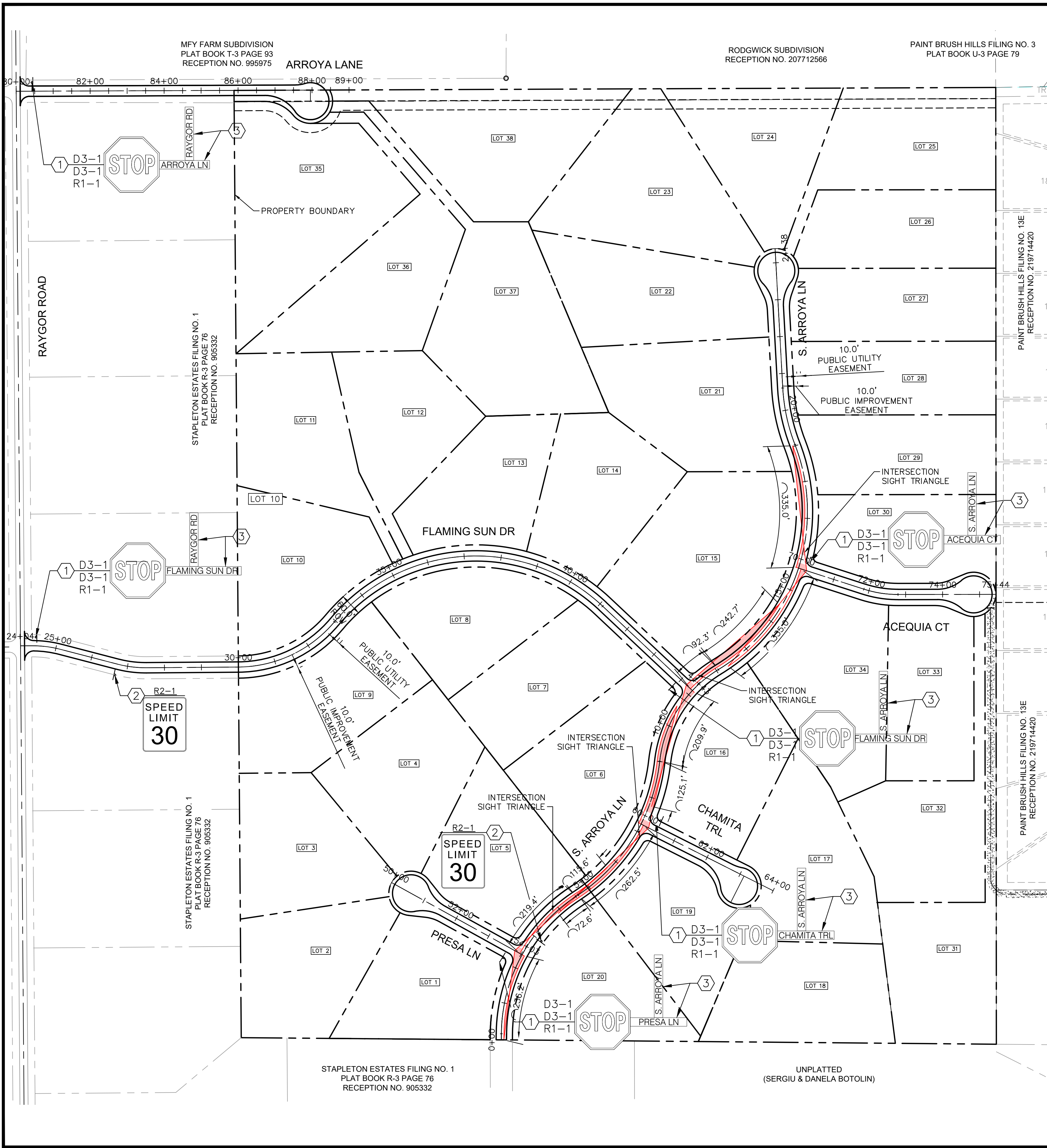
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PROJECT NO.
196106001

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SIGNING AND STRIPING NOTES

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

REGULATORY, RECREATIONAL AND CULTURAL INFORMATION SIGN PLACEMENT

PLACEMENT TABLES

LATERAL PLACEMENT			VERTICAL PLACEMENT						
KEY	ALL CLASSES OF STREETS AND HIGHWAYS		FREEWAYS AND EXPRESSWAYS		CONVENTIONAL STREETS AND HIGHWAYS				
	MINIMUM	NORMAL	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	
A	2'-0"	15'-0" PLUS CURB							
B	2'-0"	30'-0" OR MORE INCLUDES CURB	D	7'-0" OR NOTE NO. 9	12'-0"	7'-0"	8'-0"	5'-0"	8'-0"
C	2'-0"	6'-0" PLUS EDGE OF 6'+ WIDE SHOULDER. IF NONE, 15'-0" FROM EDGE OF TRAVEL LANE.	E	7'-0"	8'-0"	7'-0"	8'-0"	5'-0"	8'-0"
			F	8'-0" OR NOTE NO. 9	12'-0"	8'-0"	9'-0"	5'-0"	9'-0"
			G	6'-0"	7'-0"	8'-0"	7'-0"	4'-0"	7'-0"
H	5'-0"		10'-0"	8'-0"	7'-0"	4'-0"	7'-0"		

NO.	REVISION	BY	DATE	APPR

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 2 North Nevada Avenue Suite 300
 Colorado Springs, Colorado 80903 (719) 453-0180

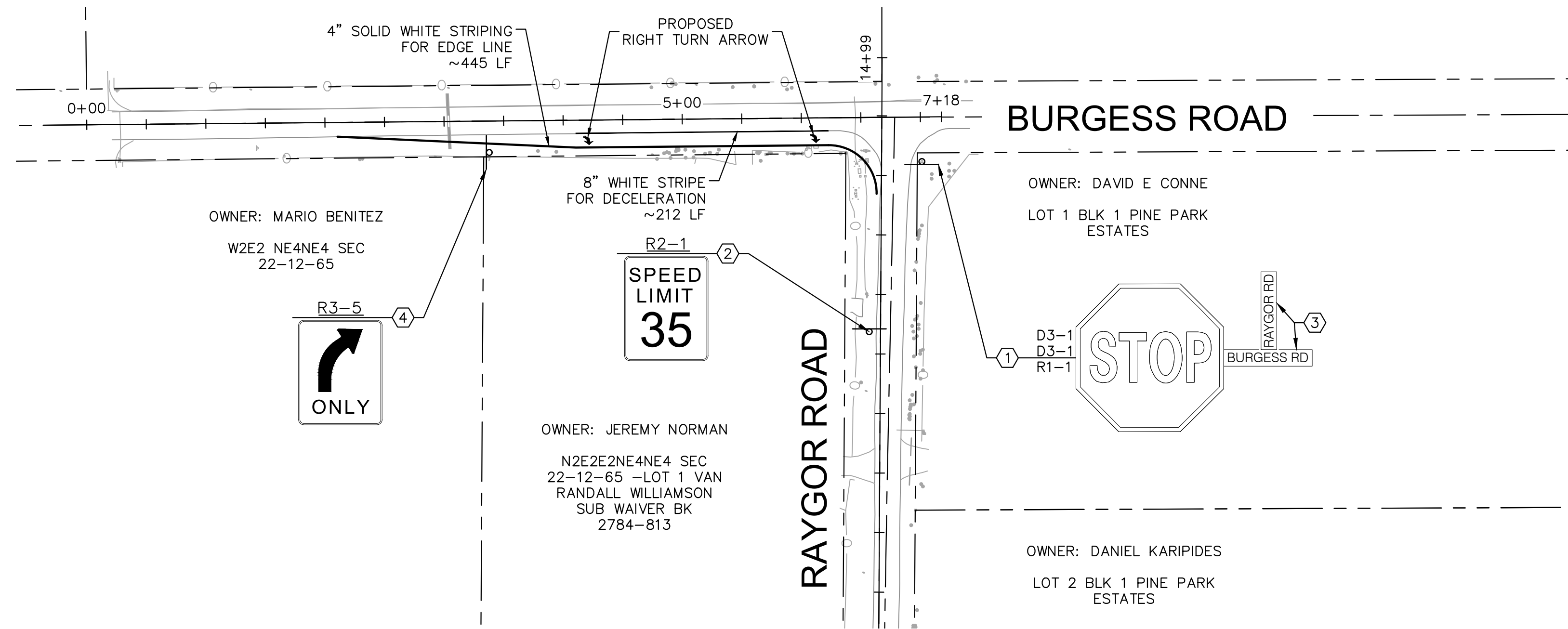
DESIGNED BY: MK
 DRAWN BY: RS
 CHECKED BY: KK
 DATE: 12/06/2022

EAGLEVIEW
 EL PASO COUNTY, COLORADO
 PRE DEVELOPMENT GESC PLAN
ON-SITE STRIPING & SIGNAGE PLAN

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 Kimley-Horn and Associates, Inc.

PROJECT NO.
 196288000
 SHEET
C1.19

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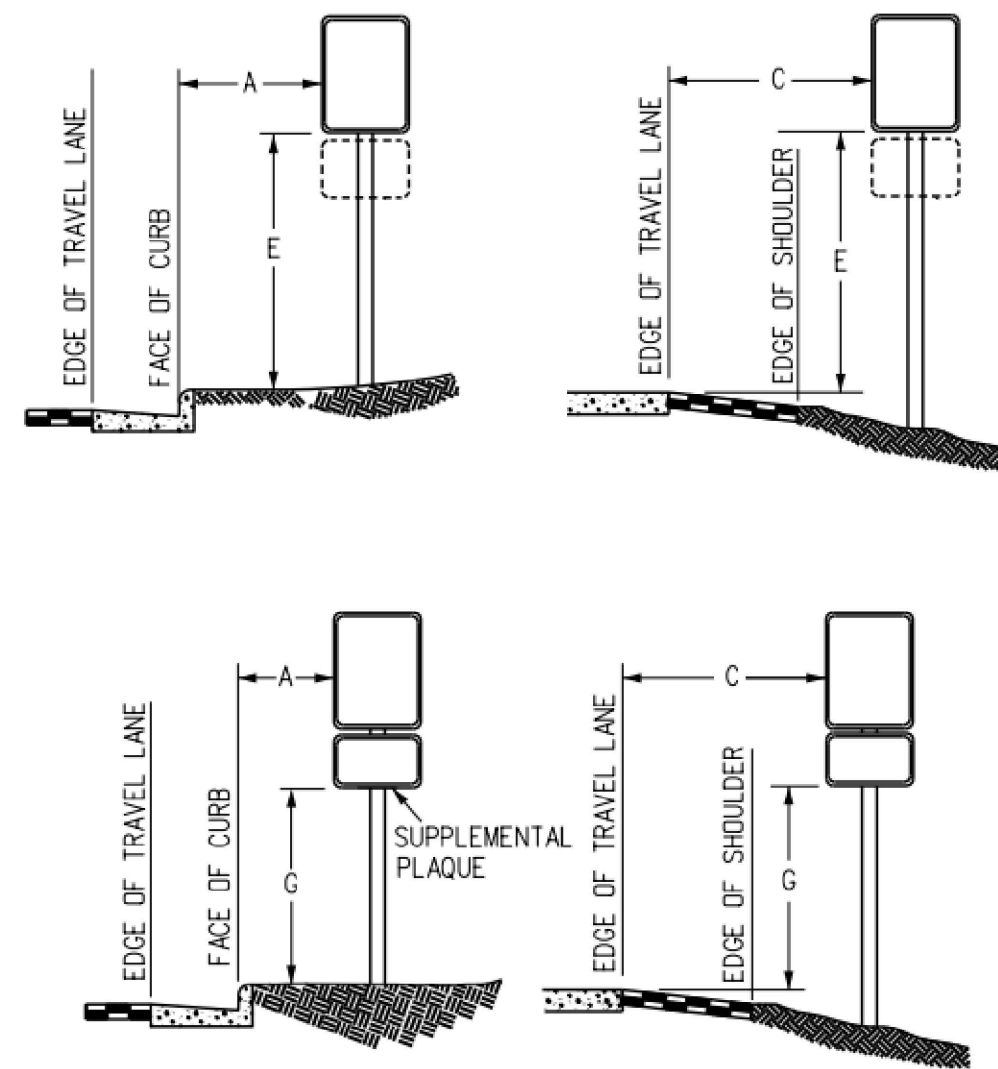


LEGEND

- — — — — PROPERTY LINE
- - - - - PROPOSED EASEMENT
- — — — — PROPOSED ROADWAY SIGN
- ① PROPOSED R1-1 SIGN (30" X 30")
- ② PROPOSED R2-1 SIGN (24" X 30")
- ③ PROPOSED D3-1 SIGN (8" X VARIES)
- ④ PROPOSED R3-5 SIGN (24" X 30")

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REGULATORY, RECREATIONAL AND CULTURAL INFORMATION SIGN PLACEMENT

PLACEMENT TABLES

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					MIN.	MAX.	MIN.	MAX.	
A	2'-0"	15'-0" PLUS CURB	D	7'-0" OR NOTE NO. 9	12'-0"	7'-0"	8'-0"	5'-0"	8'-0"
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NO.	REVISION	BY	DATE

Kimley»Horn
 2022 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 300
 Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MK
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 CHECKED BY: KK
 DATE: 12/06/2022

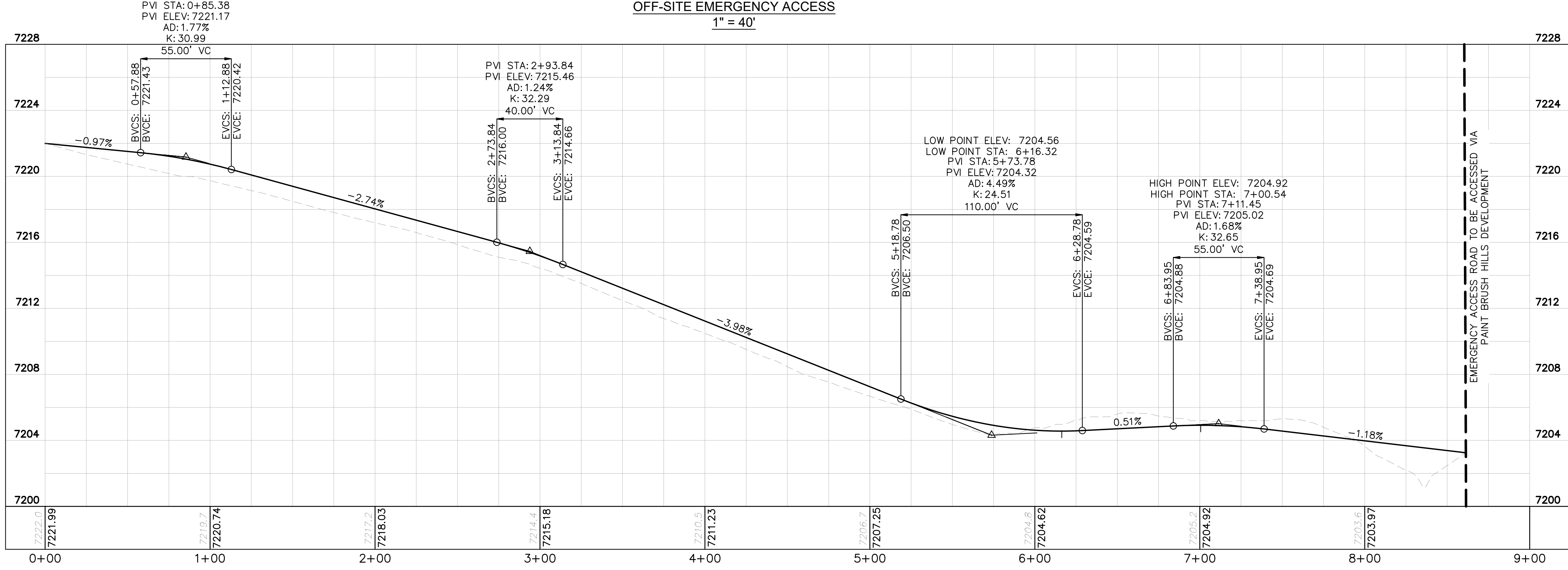
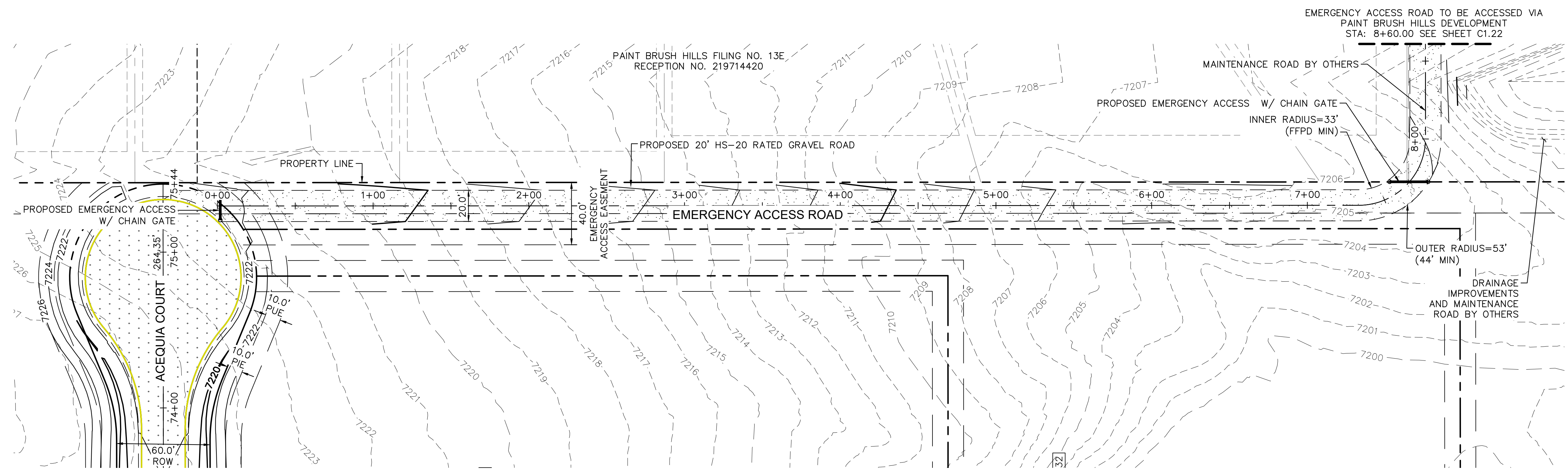
**EAGLEVIEW
 EL PASO COUNTY, COLORADO
 PRE DEVELOPMENT GESC PLAN
 OFF-SITE STRIPING & SIGNAGE PLAN**

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 Kimley-Horn and Associates, Inc.

PROJECT NO.
 196288000
 SHEET

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OFF-SITE EMERGENCY ACCESS - PROFILE VIEW
1" = 40'

NO.	REVISION	BY	DATE

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 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

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 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
EMERGENCY ACCESS ROAD PLAN & PROFILE

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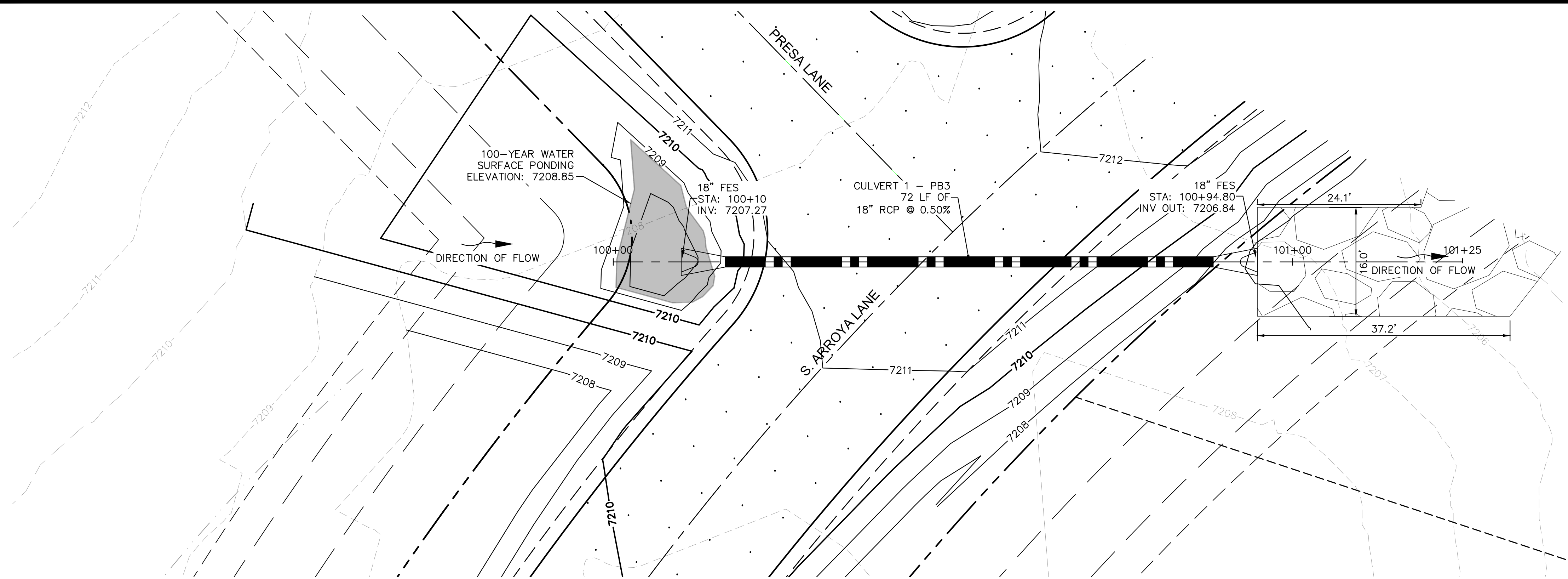
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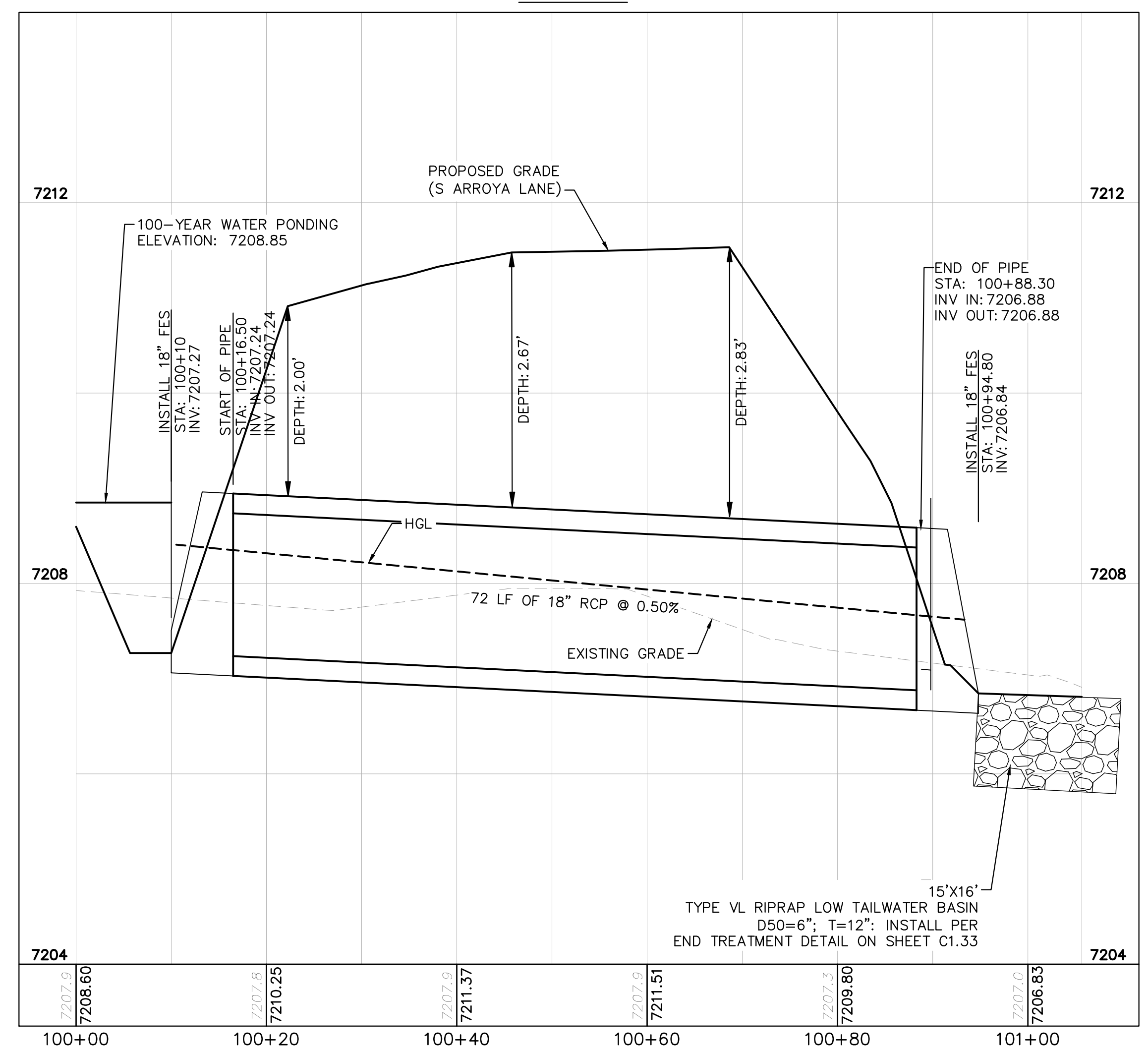
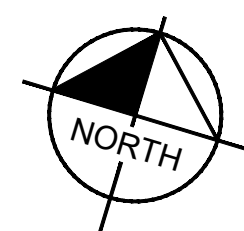
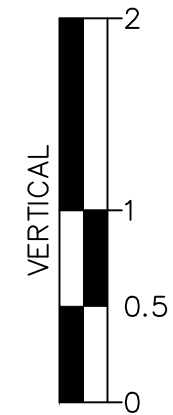
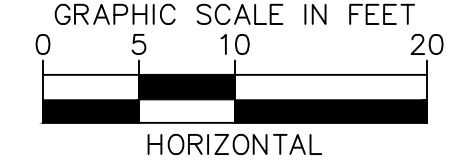
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CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES



CULVERT 1 - BASIN PB3
PLAN VIEW



CULVERT 1 - BASIN PB3
PROFILE VIEW

NOTES

1. PIPE LENGTH SHOWN IS 2D PIPE LENGTH. CONTRACTOR TO VERIFY QUANTITIES FOR ACTUAL LENGTH.
2. ASSUMED FLARED END SECTIONS (FES) LENGTHS ARE THE FOLLOWING:
 6'-1": 18"-30" FES
 8'-1": 30" FES
 8'-2": 42"-48" FES

NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

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EAGLEVIEW
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
CULVERT PLAN AND PROFILE

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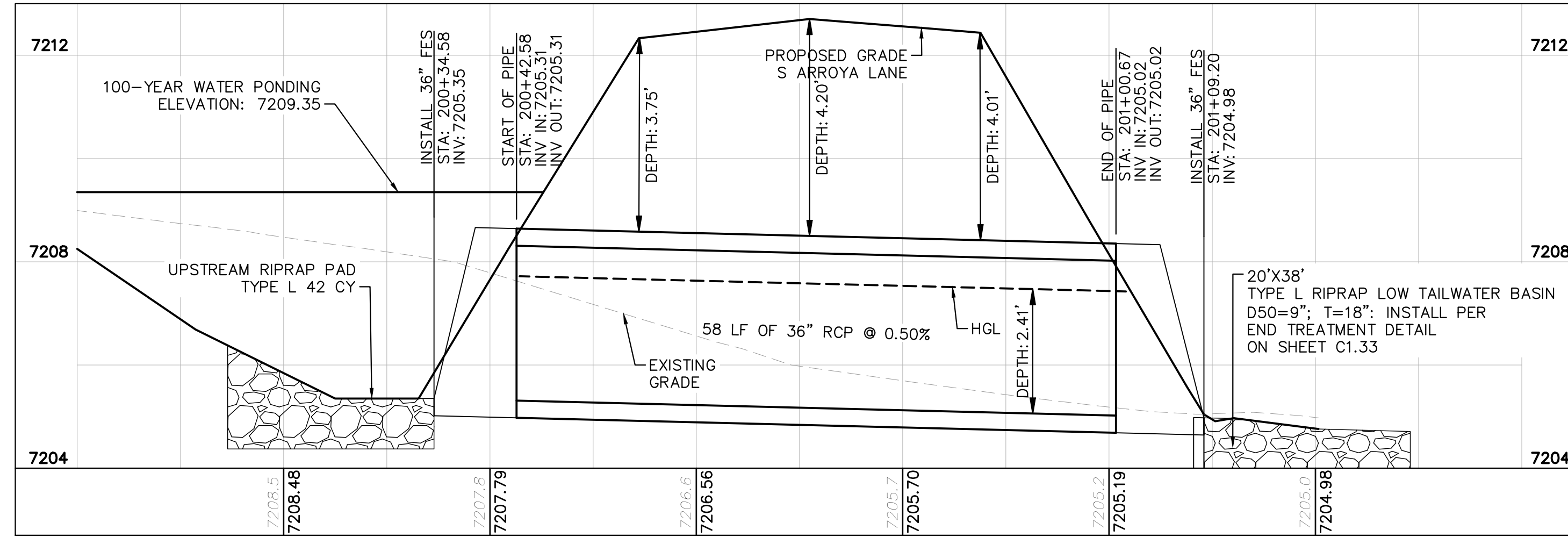
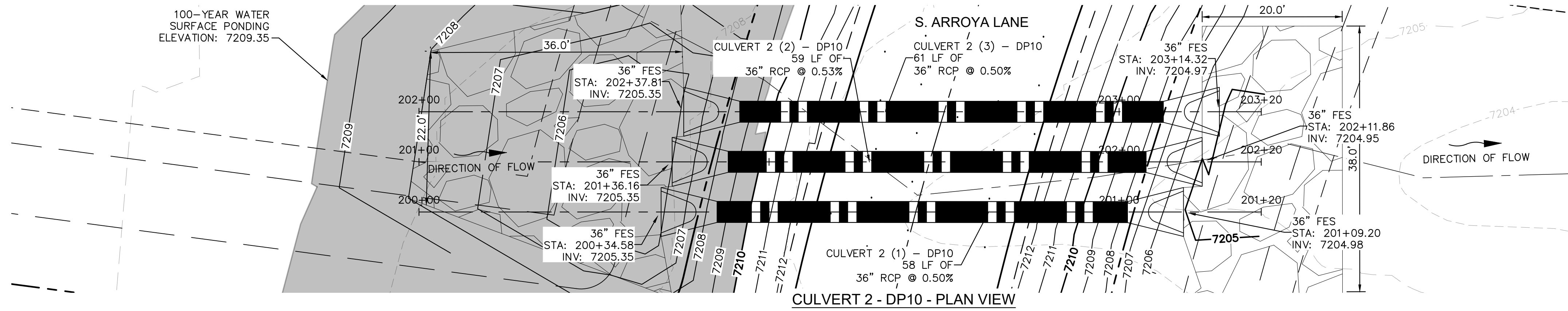
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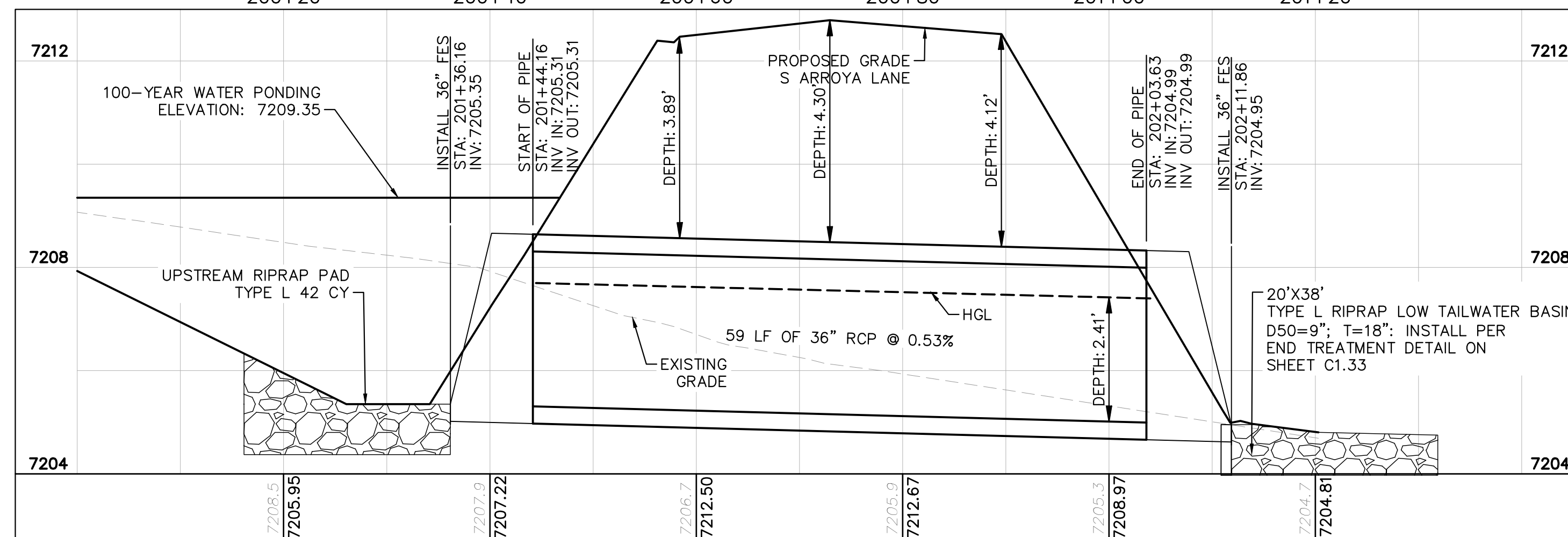
Know what's below.
Call before you dig.



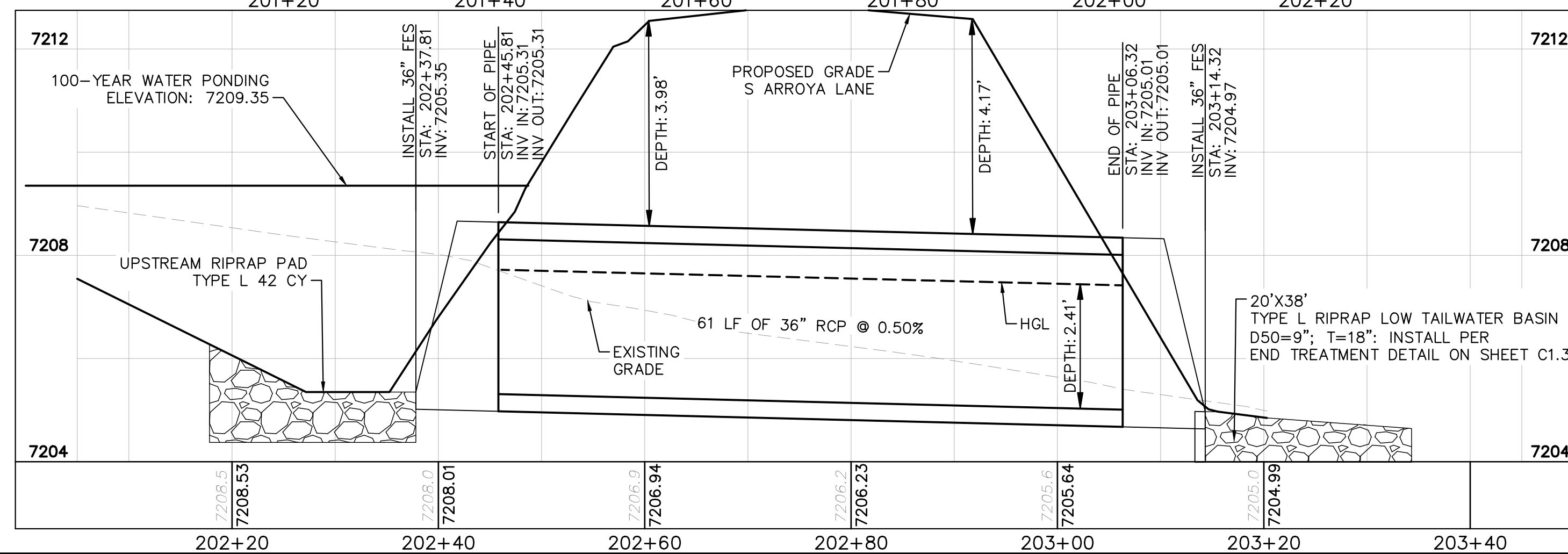
CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES



CULVERT 2 (1) - DP10
PROFILE VIEW



CULVERT 2 (2) - DP10
PROFILE VIEW



CULVERT 2 (3) - DP10
PROFILE VIEW

NOTES

- PIPE LENGTH SHOWN IS 2D PIPE LENGTH. CONTRACTOR TO VERIFY QUANTITIES FOR ACTUAL LENGTH.
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6'-1": 18"-30" FES
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CULVERT PLAN AND PROFILE

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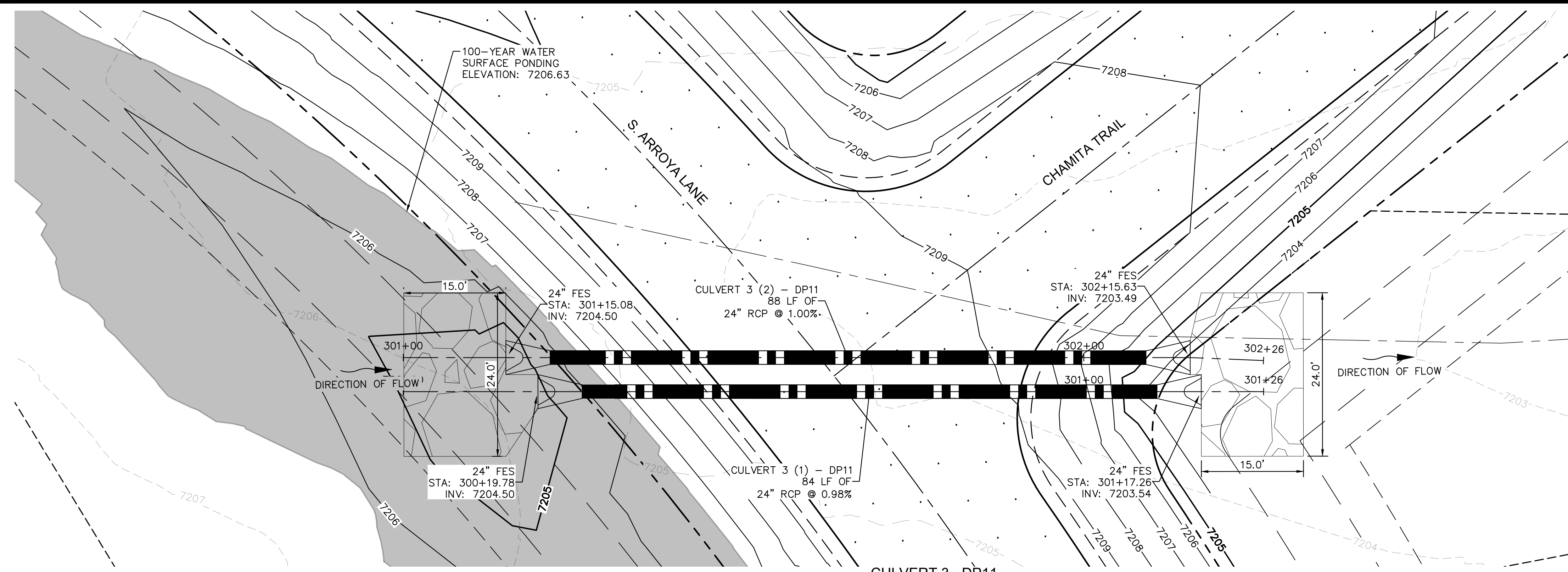
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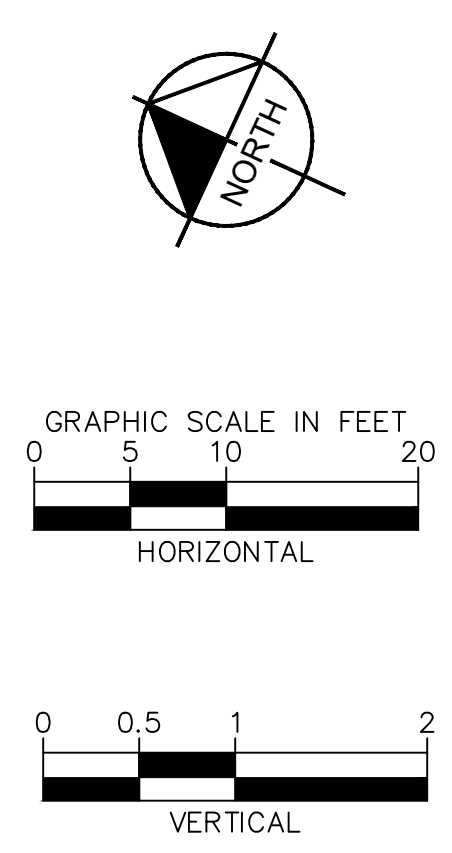
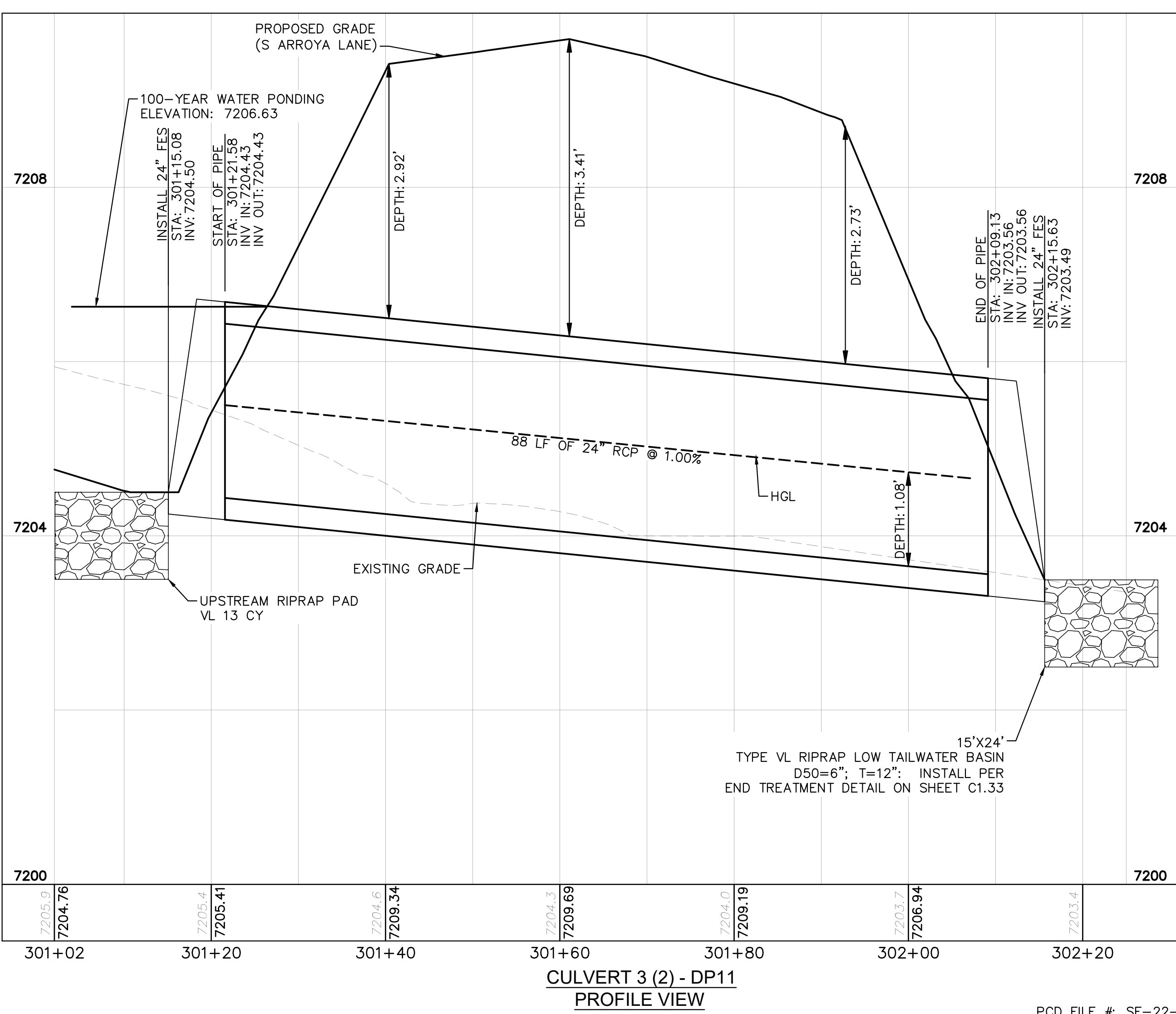
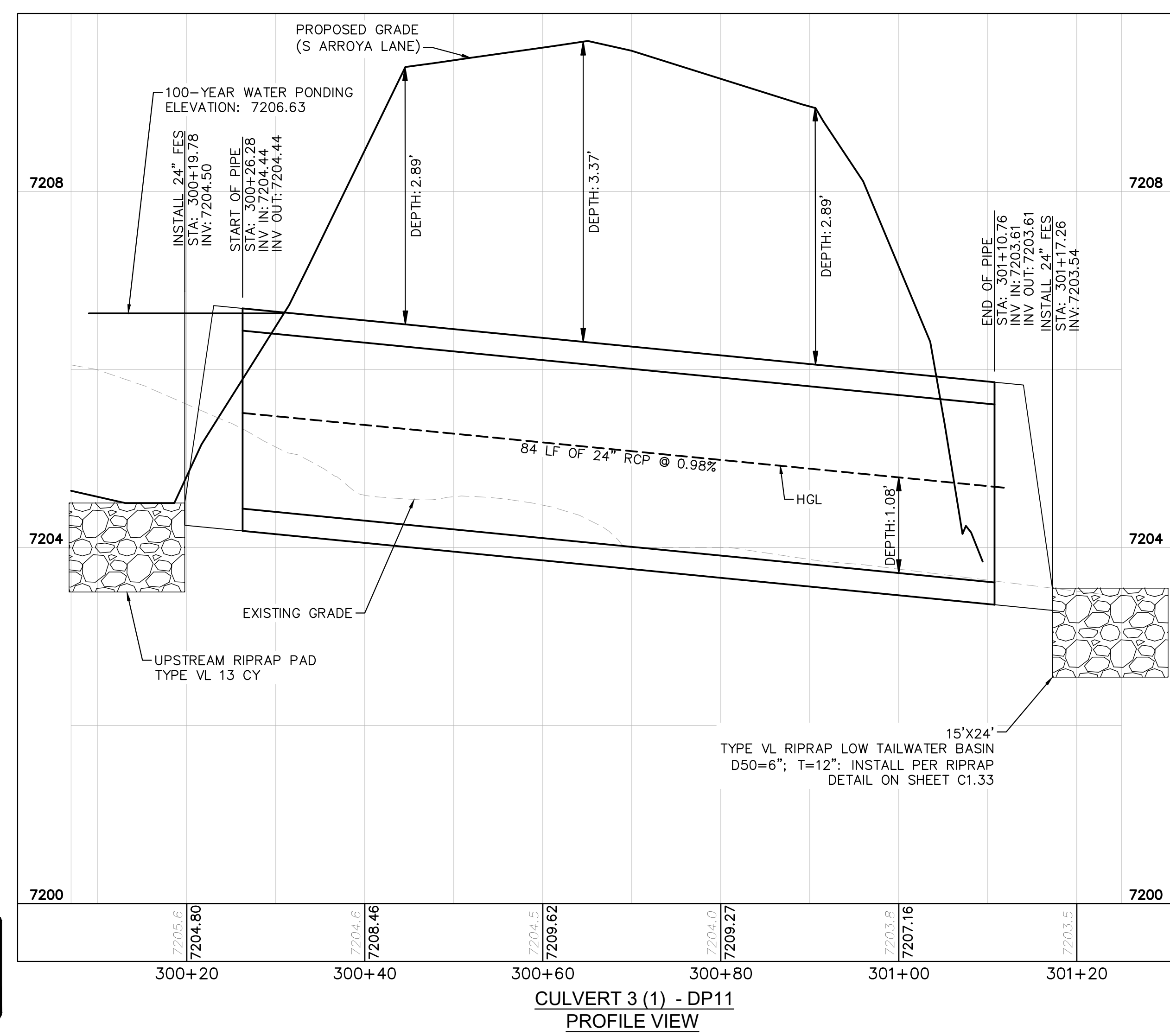
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- NOTES**
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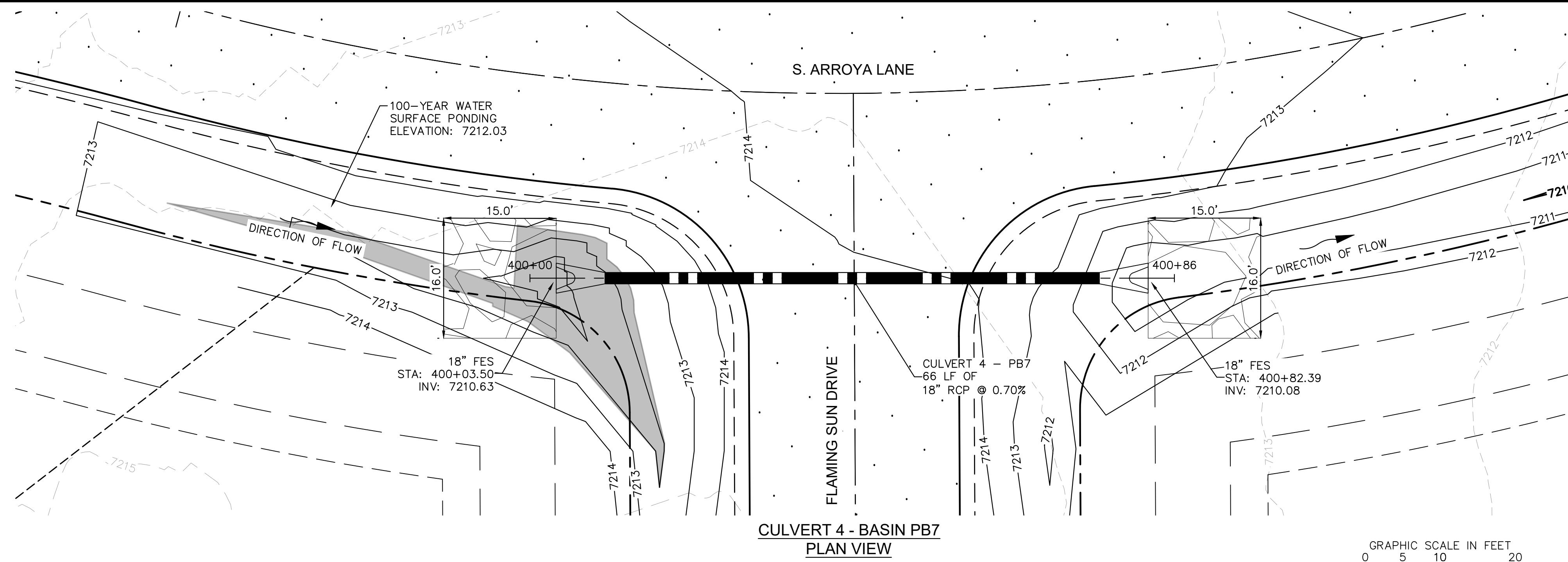
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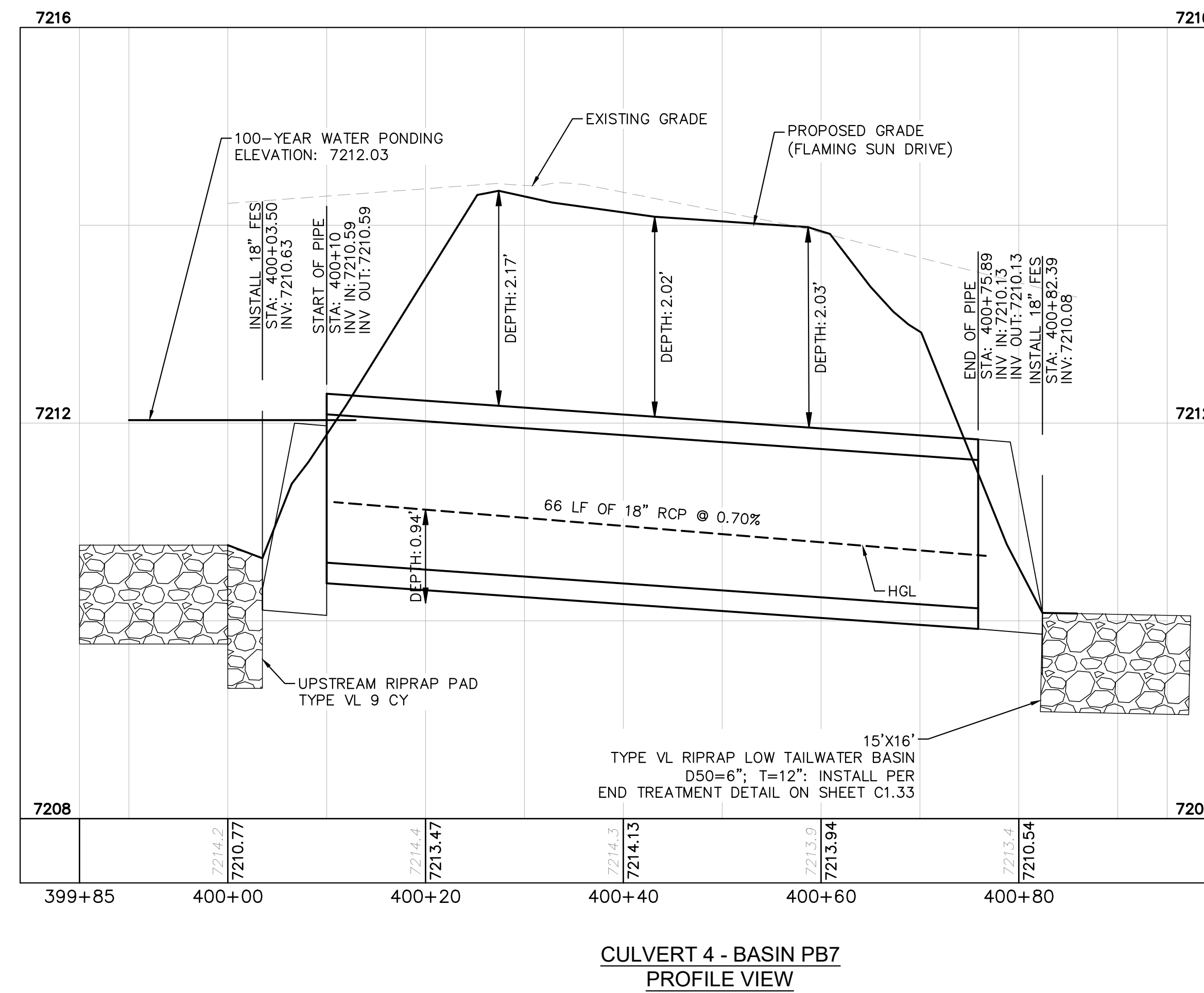
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EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
CULVERT PLAN AND PROFILE

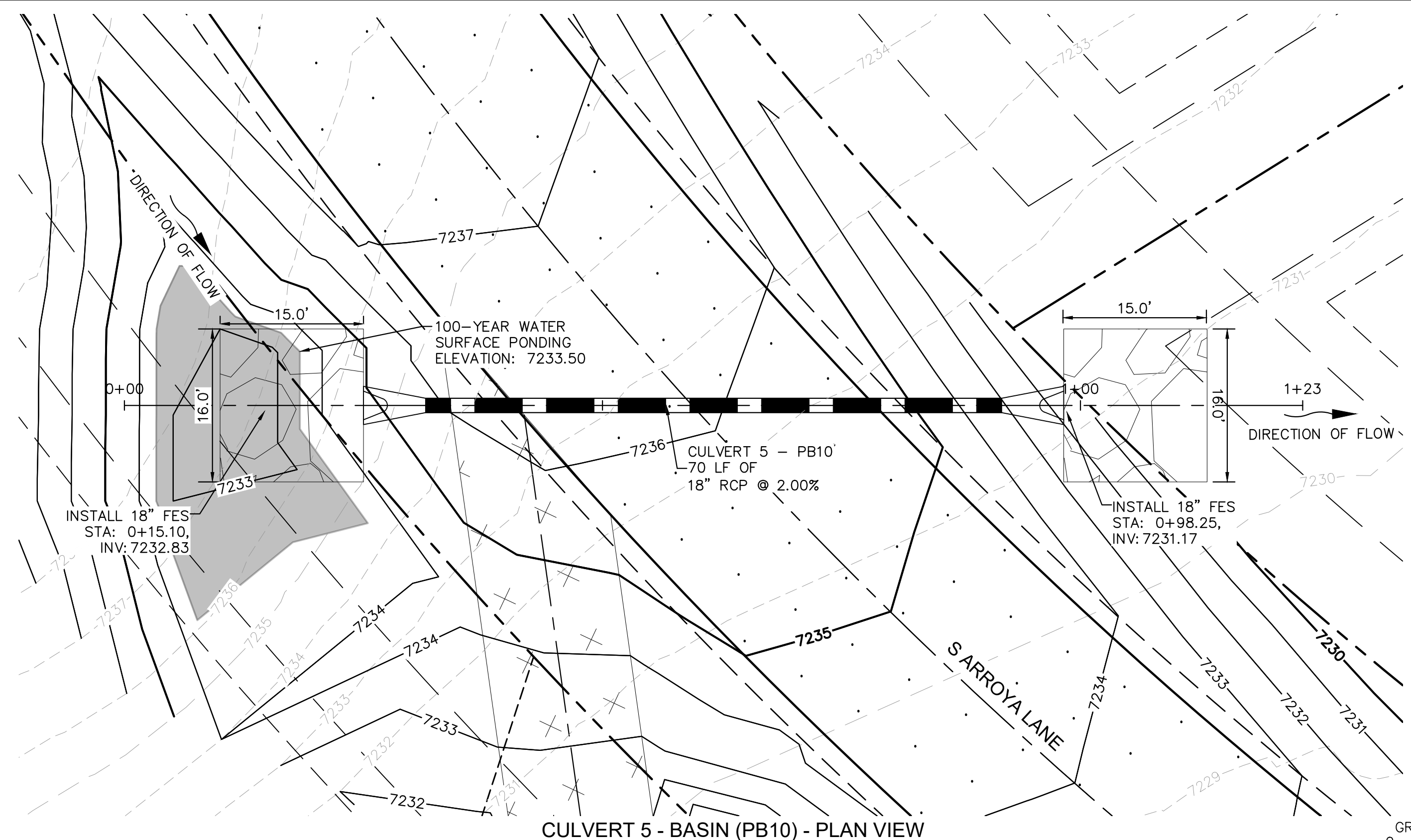
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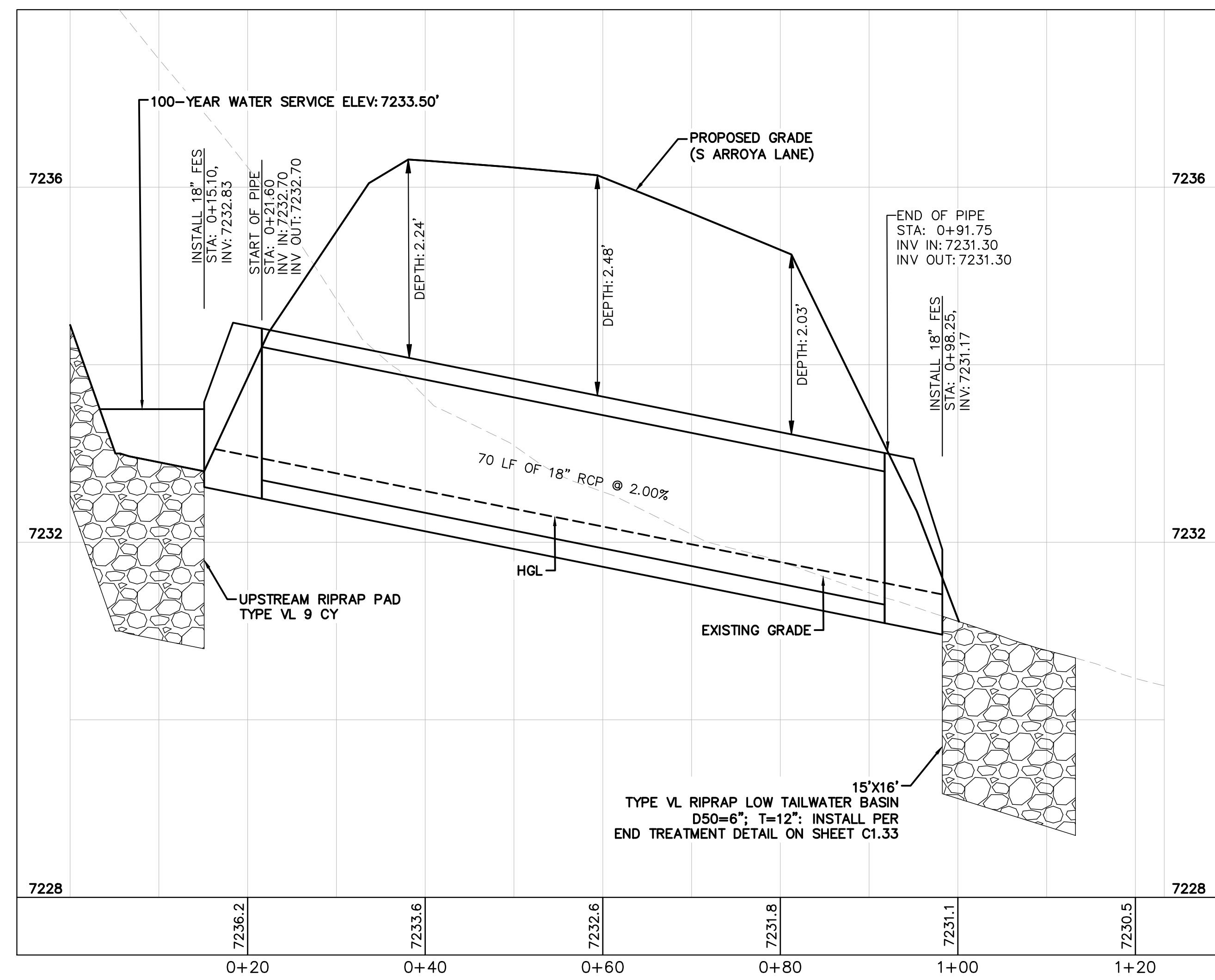
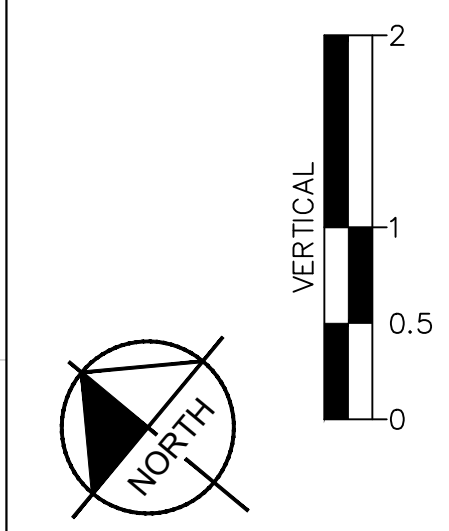
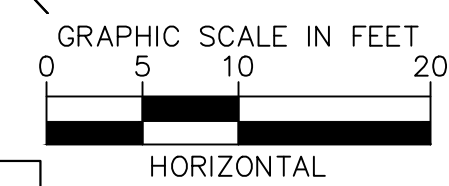
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CULVERT 5 - BASIN (PB10) - PLAN VIEW



CULVERT 5 - BASIN PB10 - PROFILE VIEW

NOTES

1. PIPE LENGTH SHOWN IS 2D PIPE LENGTH. CONTRACTOR TO VERIFY QUANTITIES FOR ACTUAL LENGTH.
2. ASSUMED FLARED END SECTIONS (FES) LENGTHS ARE THE FOLLOWING:
 6'-1": 18"-30" FES
 8'-1": 30" FES
 8'-2": 42"-48" FES



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 Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
 DRAWN BY: MJK
 CHECKED BY: KRK
 DATE: 06/27/2024

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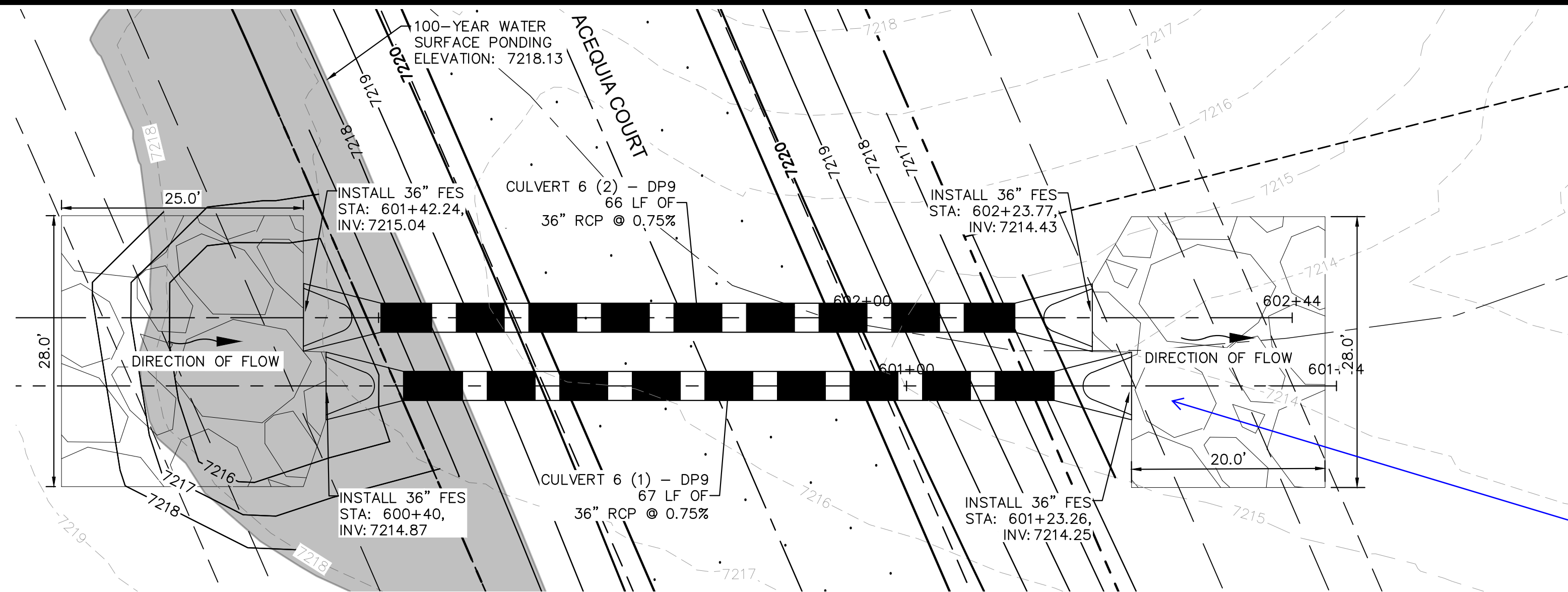
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 196106001

SHEET

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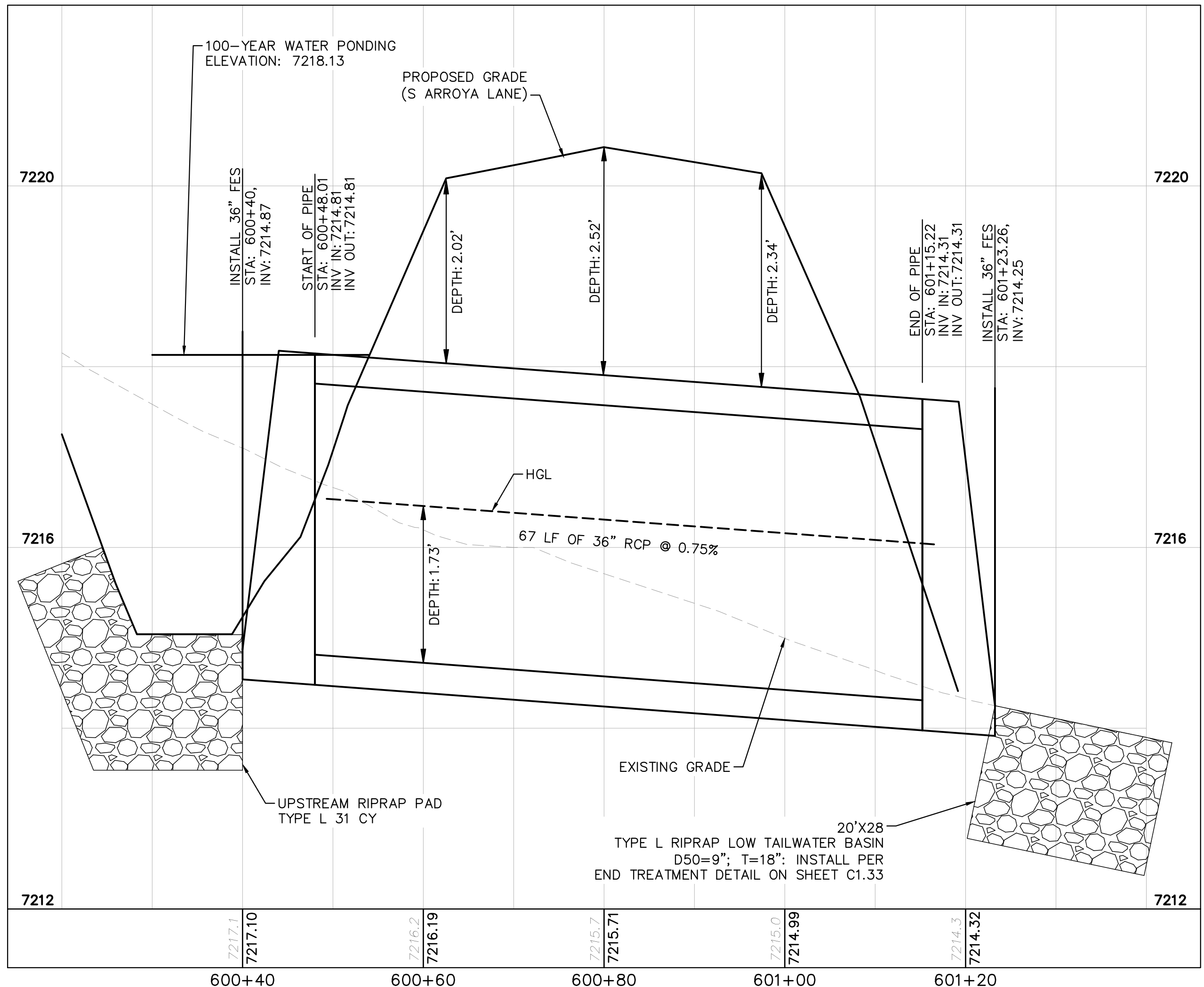


CULVERT 6 - DP9
PLAN VIEW

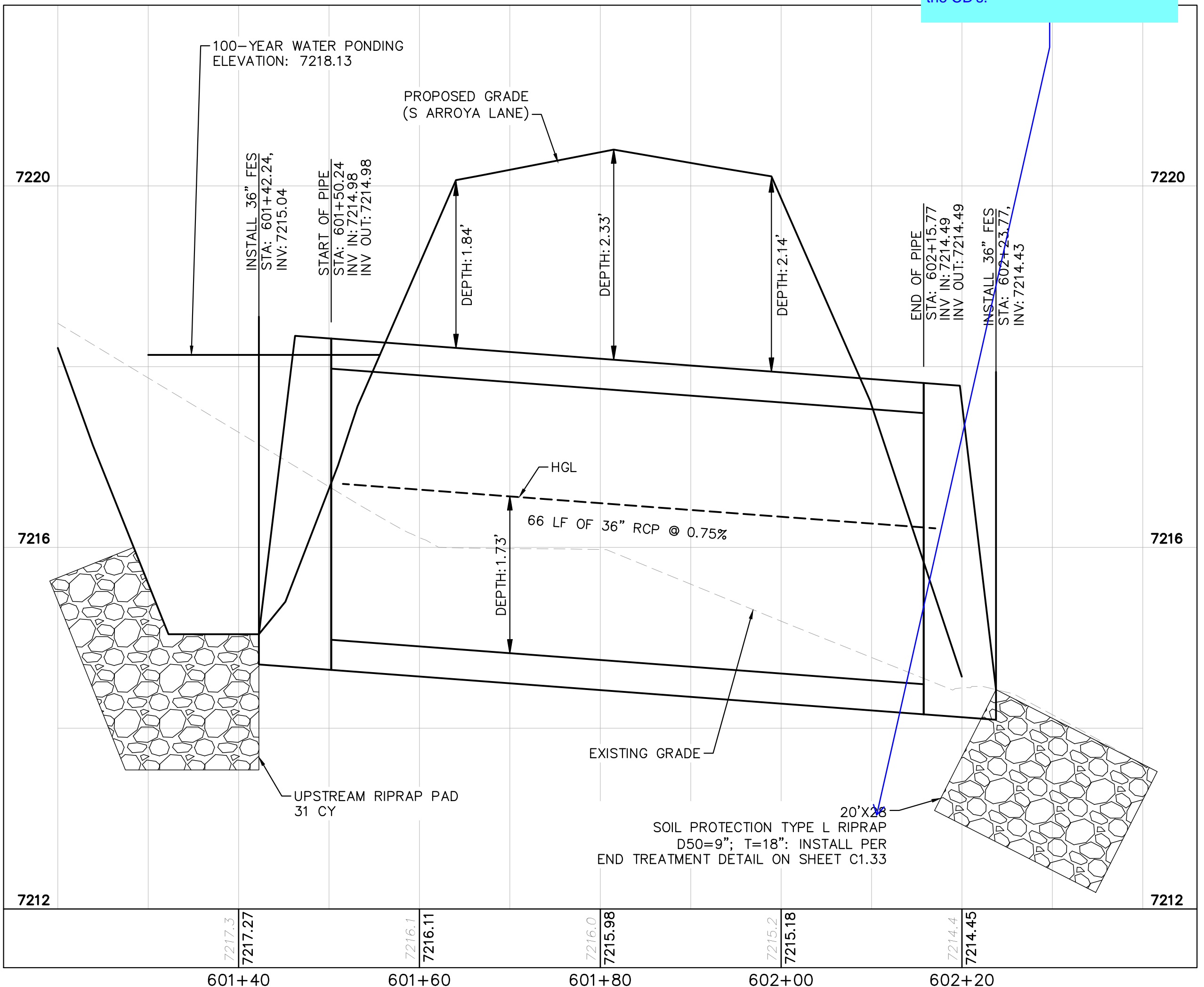
NOTES

- PIPE LENGTH SHOWN IS 2D PIPE LENGTH. CONTRACTOR TO VERIFY QUANTITIES FOR ACTUAL LENGTH.
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6'-1": 18"-30" FES
8'-1": 30" FES
8'-2": 42"-48" FES

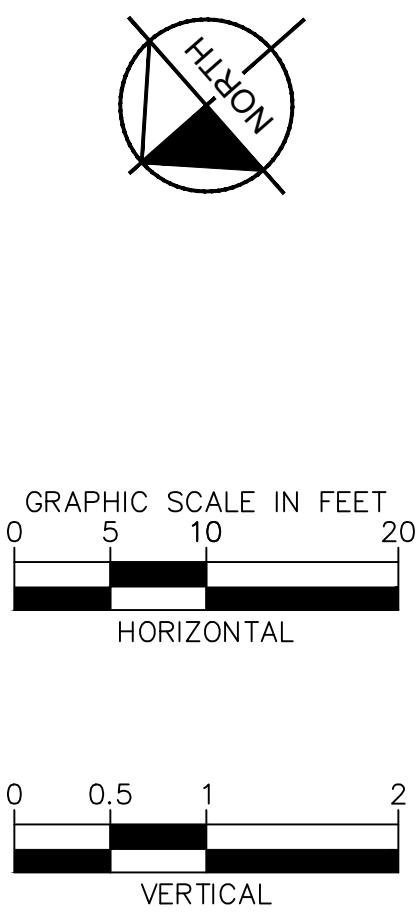
Review 2 comment: per drainage calc the length is indicated as 30'.
review 3: the outlet protection calculations have been removed from the drainage report calc sheets. Please provide and ensure that all protection indicated match the CD's.



CULVERT 6 (1) - DP9
PROFILE VIEW



CULVERT 6 (2) - DP9
PROFILE VIEW



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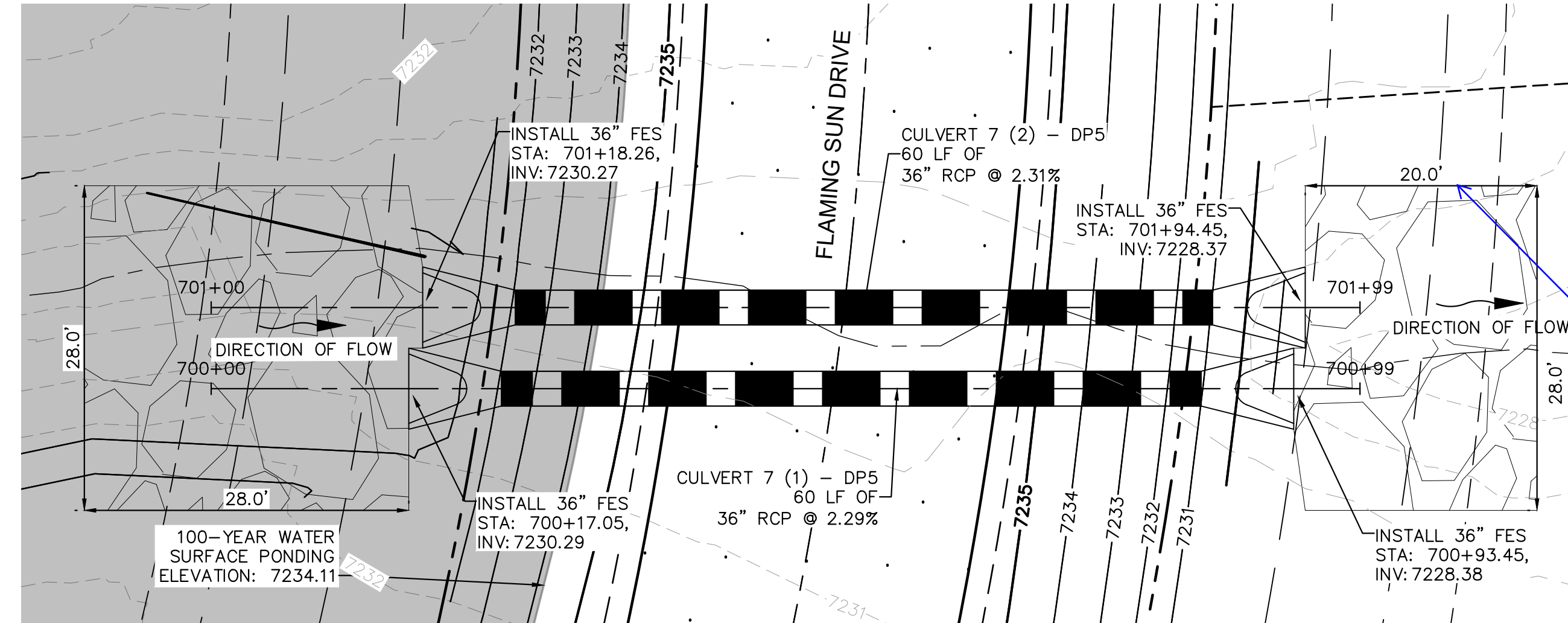
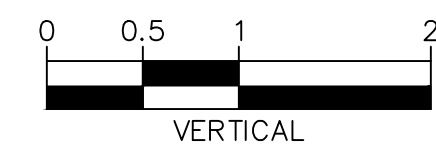
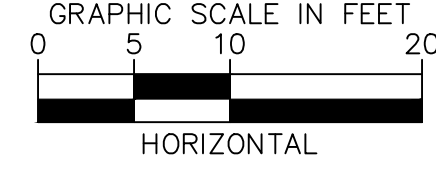
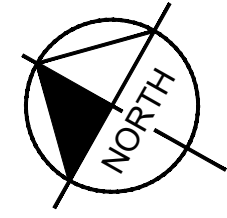
DESIGNED BY: MJK
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C1.28

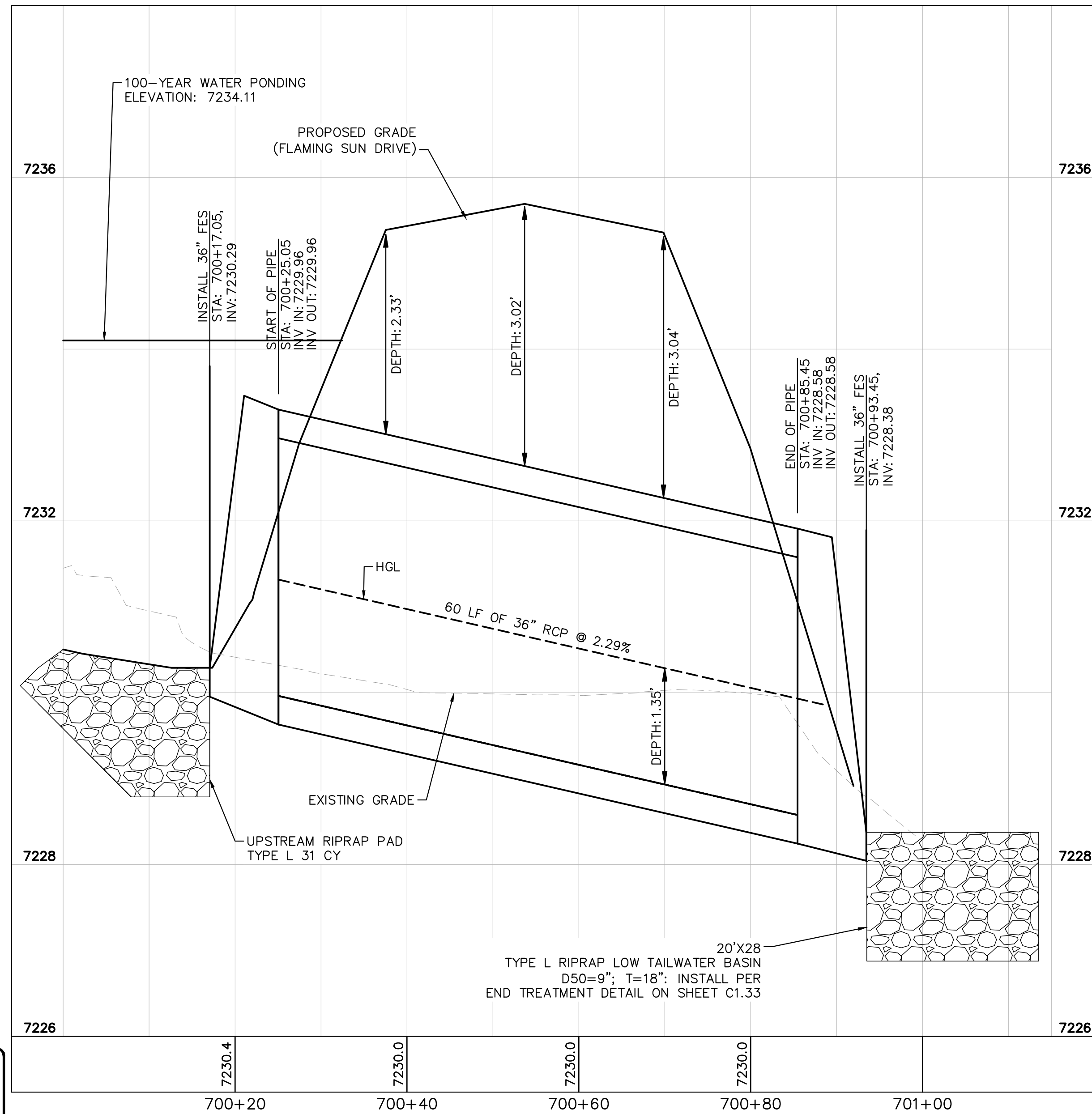


CULVERT 7 - DP5
PLAN VIEW

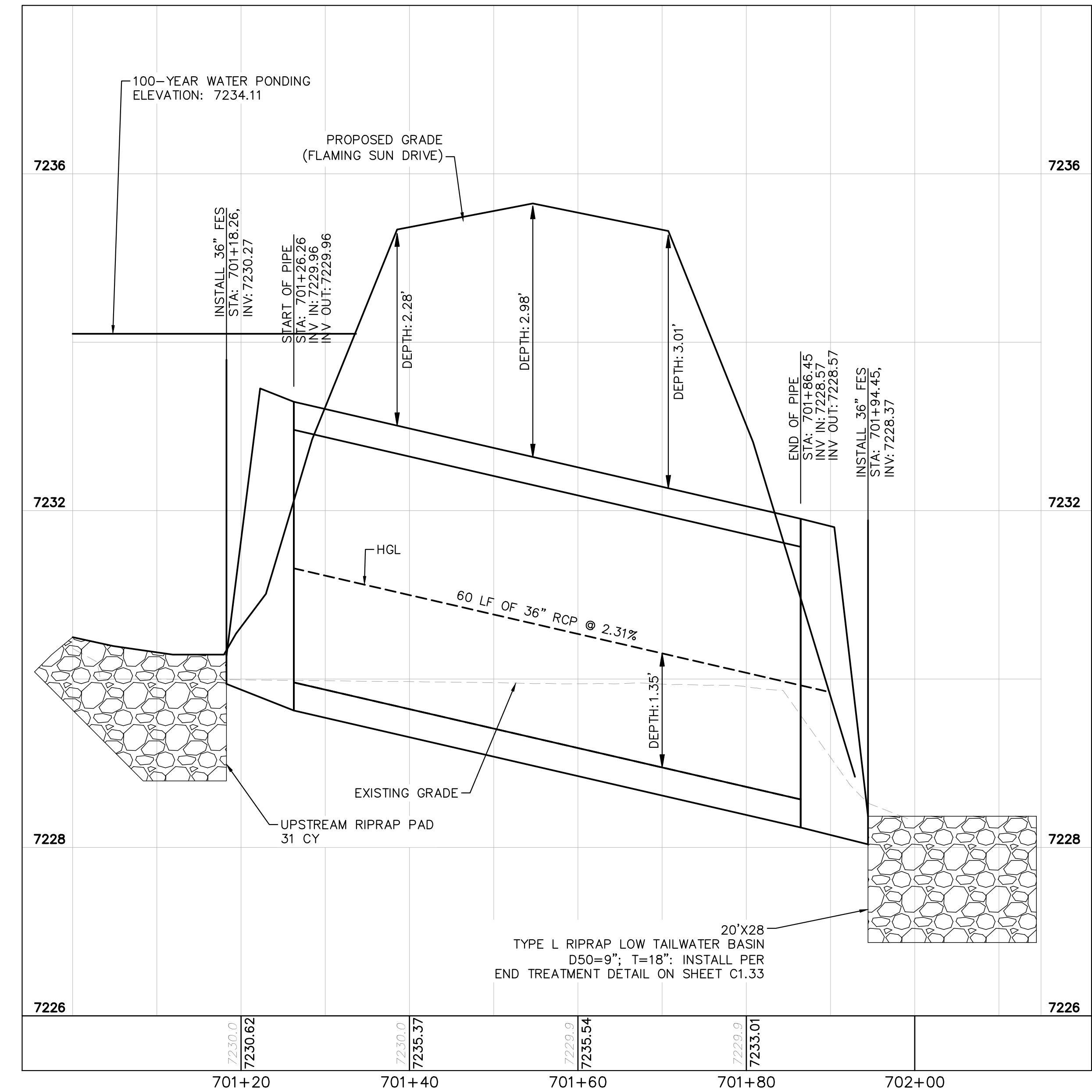
NOTES

1. PIPE LENGTH SHOWN IS 2D PIPE LENGTH. CONTRACTOR TO VERIFY QUANTITIES FOR ACTUAL LENGTH.
2. ASSUMED FLARED END SECTIONS (FES) LENGTHS ARE THE FOLLOWING:
6'-1": 18"-30" FES
8'-1": 30" FES
8'-2": 42"-48" FES

Review 2 comment: per drainage calc the length is indicated as 30' for the riprap
Review 3: unresolved. Please see comment on the previous sheet.



CULVERT 7 (1) - DP5
PROFILE VIEW



CULVERT 7 (2) - DP5
PROFILE VIEW



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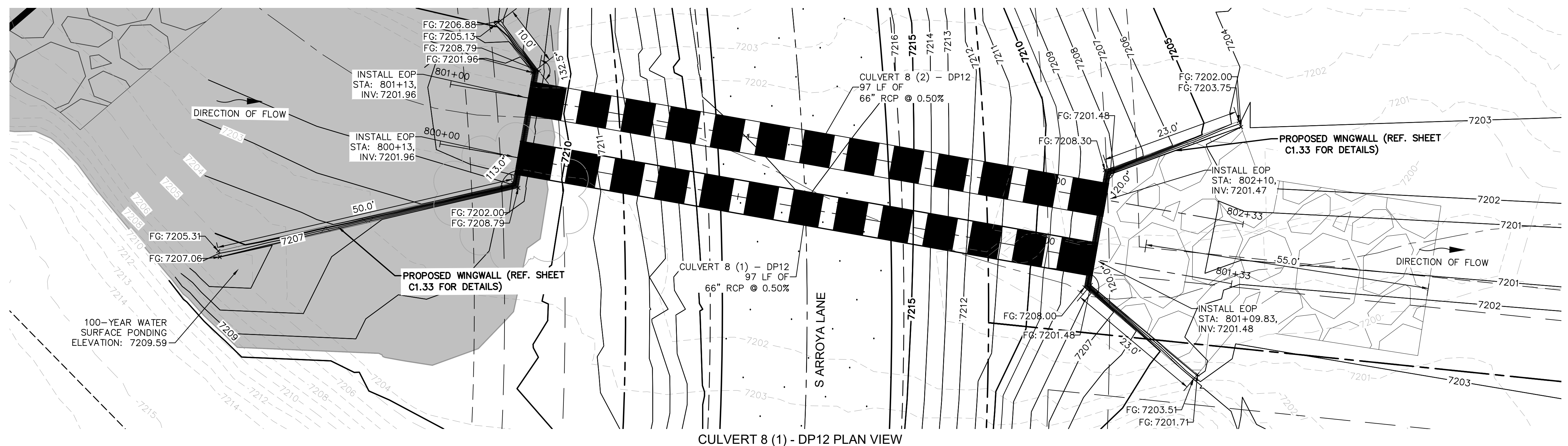
PROJECT NO.
196106001
SHEET

C1.29

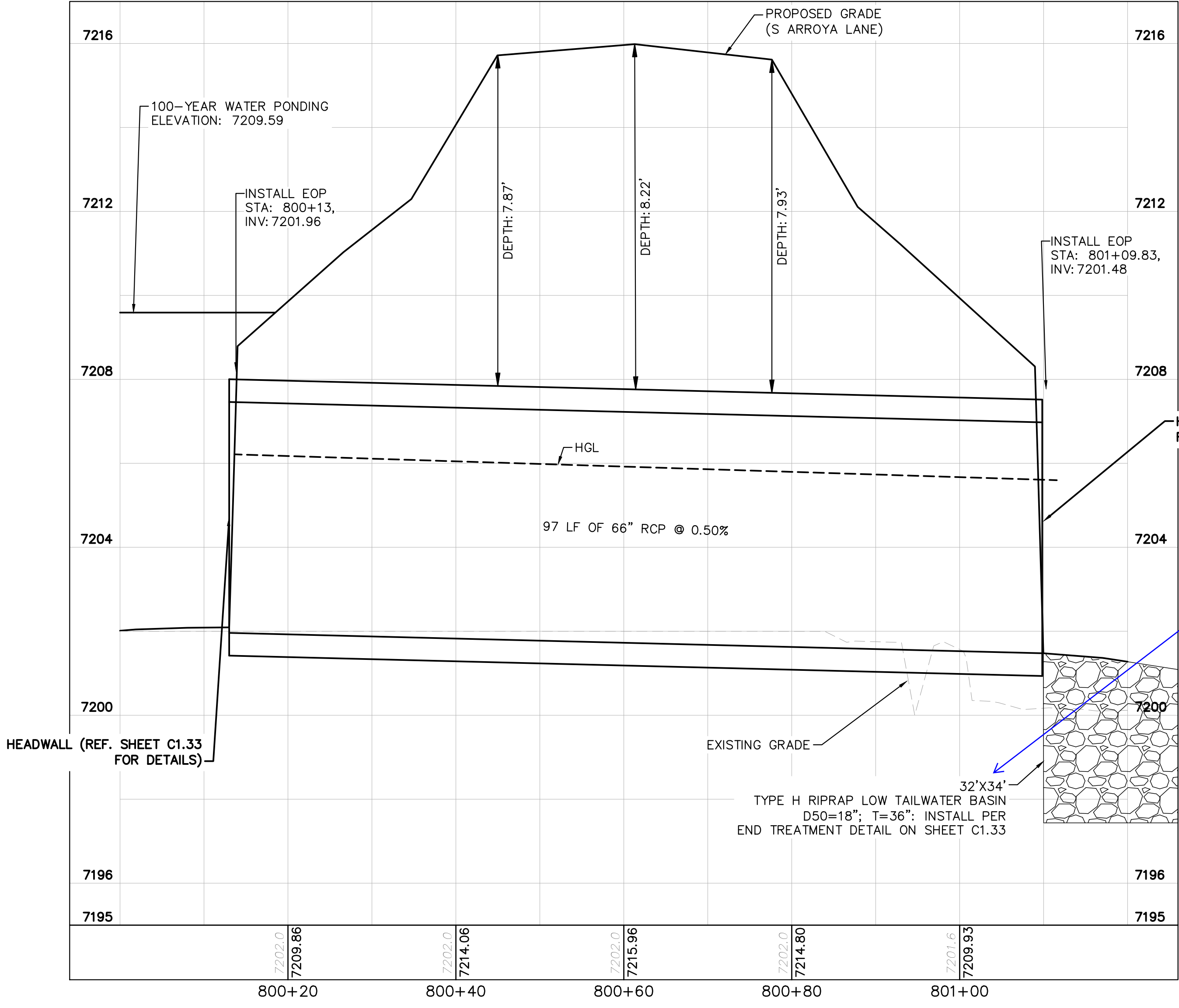
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NO.	REVISION	BY	DATE	APPR.

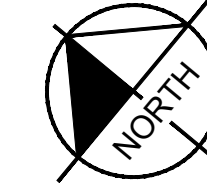
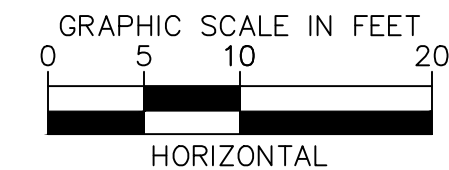
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CULVERT 8 (1) - DP12 PLAN VIEW



CULVERT 8 (1) - DP12 PROFILE VIEW



NOTES

- PIPE LENGTH SHOWN IS 2D PIPE LENGTH. CONTRACTOR TO VERIFY QUANTITIES FOR ACTUAL LENGTH.
- ASSUMED FLARED END SECTIONS (FES) LENGTHS ARE THE FOLLOWING:
 6'-1": 18"-30" FES
 8'-1": 30" FES
 8'-2": 42"-48" FES

Review 2 comment: update the length to 55' to match the calcs and the plan view above
 Review 3: unresolved. Please see comment in Sht C1.28



CALL UTILITY NOTIFICATION CENTER OF COLORADO
 1-800-922-1987
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

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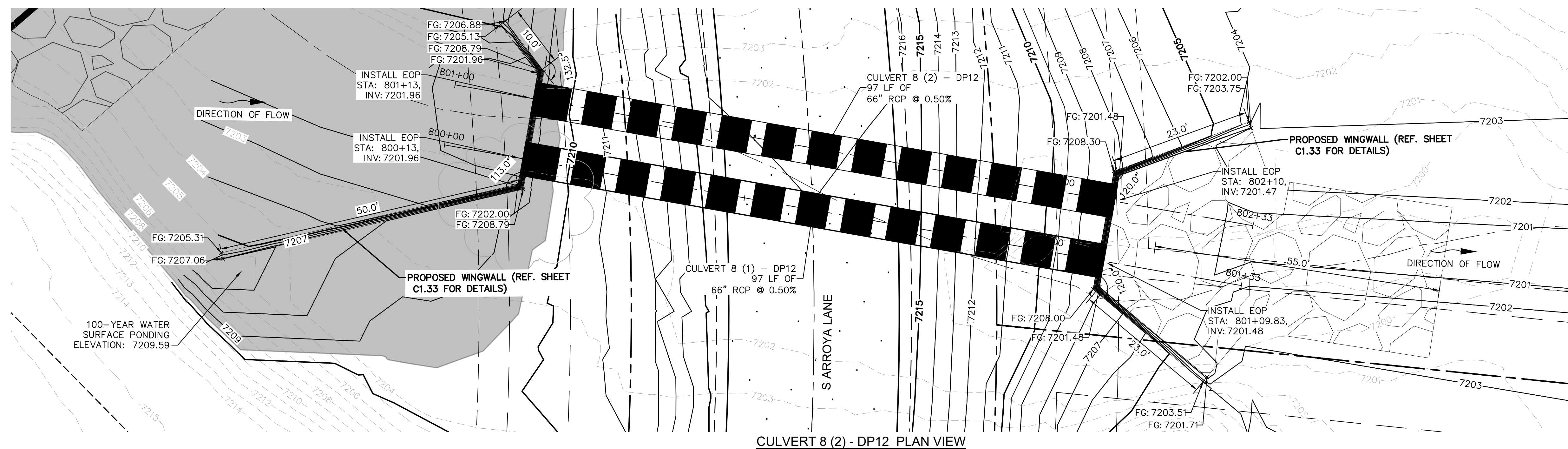
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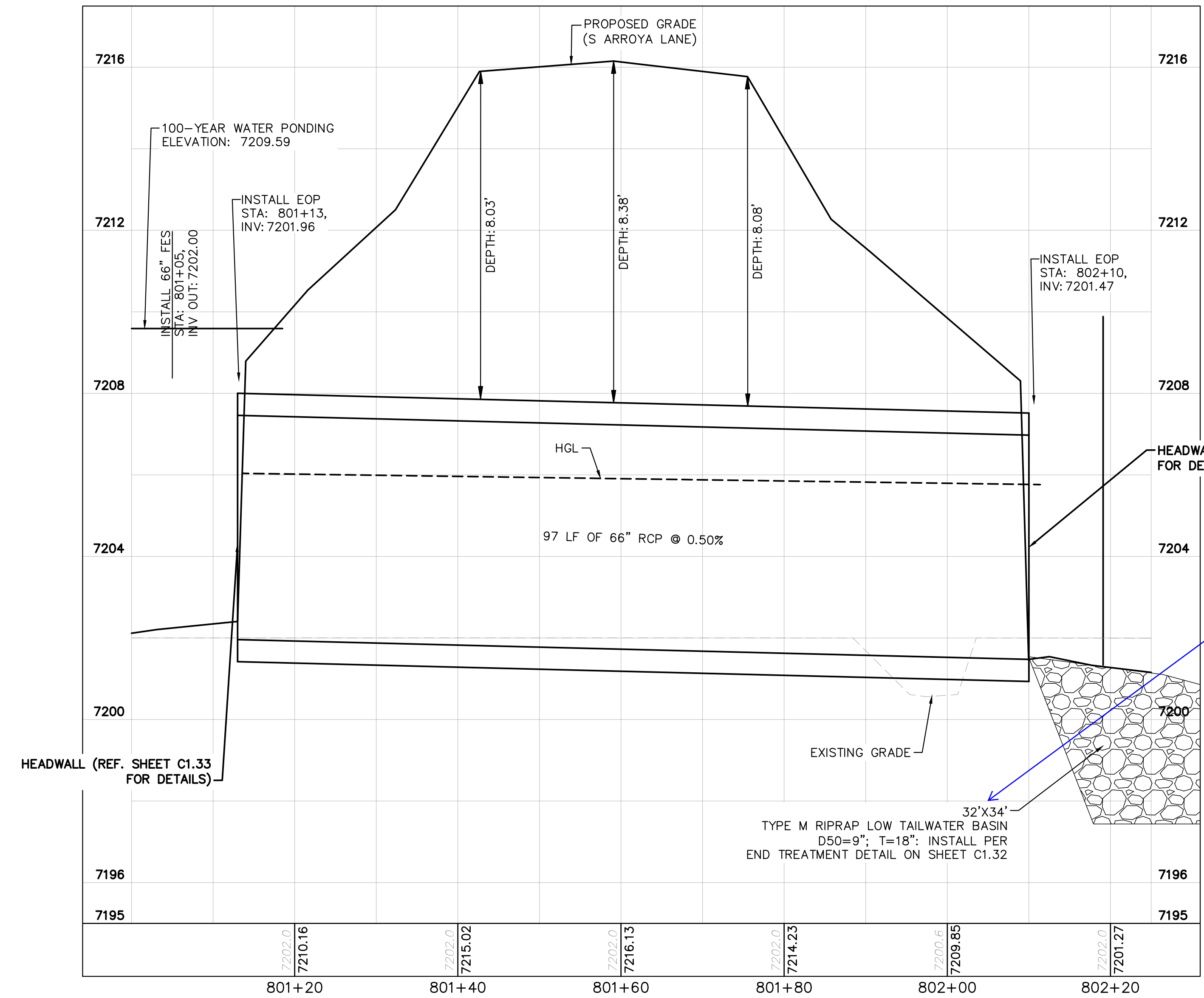
PROJECT NO.
 196106001
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C1.30

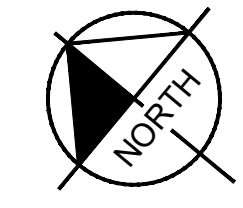
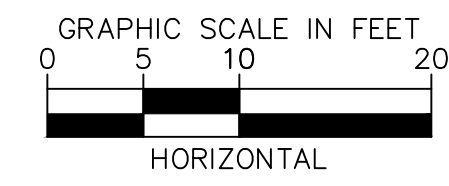
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CULVERT 8 (2) - DP12 PLAN VIEW



CULVERT 8 (2) - DP12 PROFILE VIEW



NOTES

1. PIPE LENGTH SHOWN IS 2D PIPE LENGTH. CONTRACTOR TO VERIFY QUANTITIES FOR ACTUAL LENGTH.
2. ASSUMED FLARED END SECTIONS (FES) LENGTHS ARE THE FOLLOWING:
 6'-1": 18"-30" FES
 8'-1": 30" FES
 8'-2": 42"-48" FES

see comment on previous sheet regarding the dimensions of the protection.



CALL UTILITY NOTIFICATION CENTER OF COLORADO
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 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

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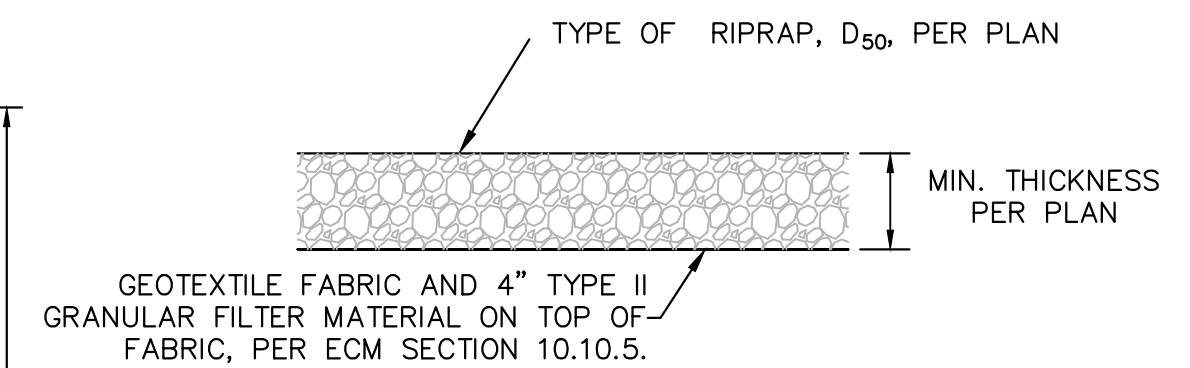
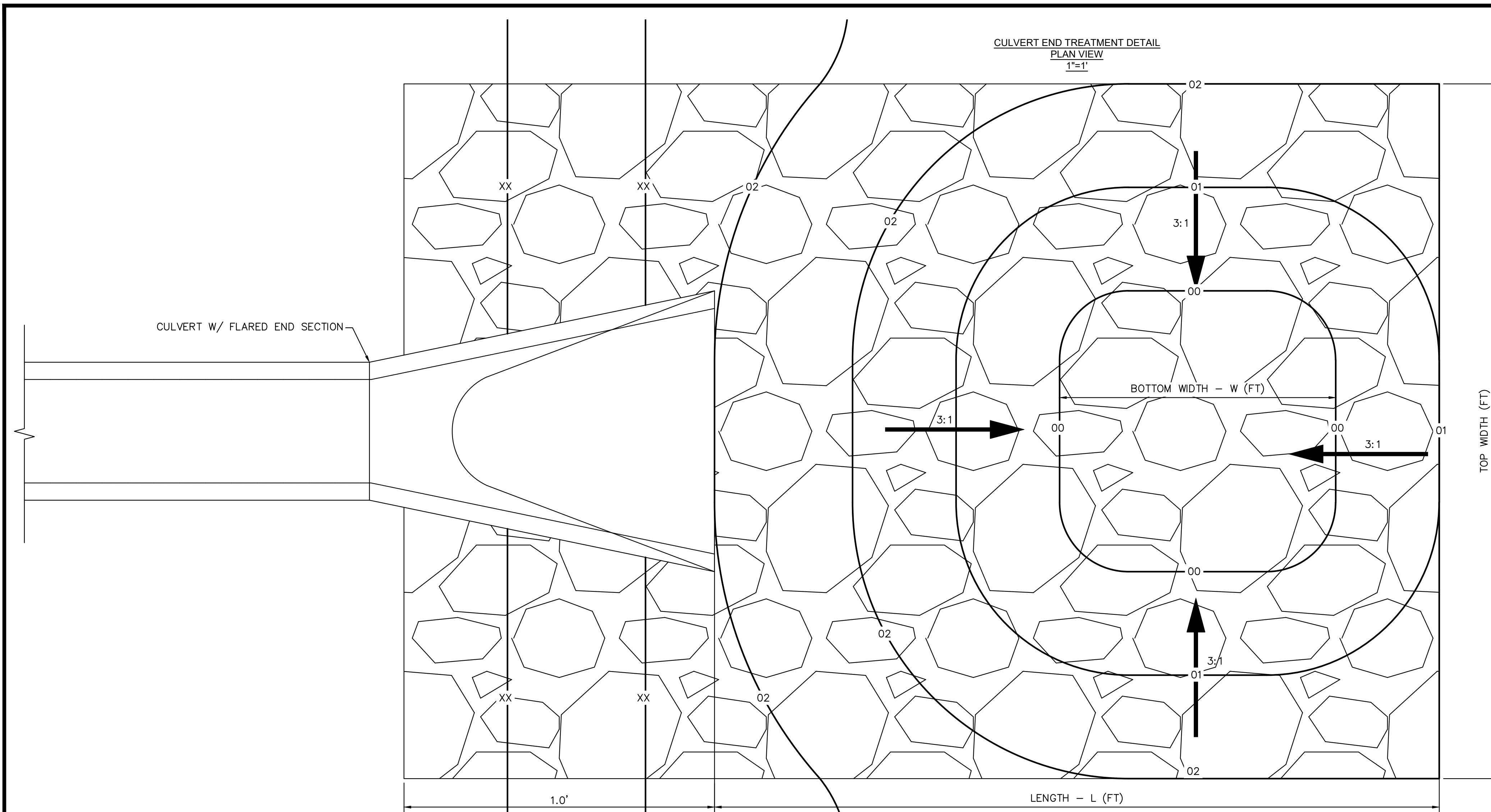
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SHEET
C1.31

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1. D₅₀ = MEAN PARTICLE SIZE (INTERMEDIATE DIMENSION) BY WEIGHT.
2. RIP RAP SHALL BE PER PLAN AND SHALL BE MIXED WITH 30% SOIL TO 70% RIP RAP.
3. RIP RAP SECTION THICKNESS SHALL BE 2.0 TIMES THE SPECIFIED MEAN PARTICLE SIZE (I.E. D₅₀ X 2.0 MINIMUM) PER ECM SECTION 10.10.3.
4. ALL RIP RAP SHALL BE UNDERLAIN WITH GEOTEXTILE FILTER FABRIC FOR STABILIZATION.
5. RIP RAP SHALL WRAP AROUND AND EXTEND 2' MIN. BEHIND FLUME AND FLARED END SECTIONS.

TYPICAL RIPRAP SECTION DETAIL

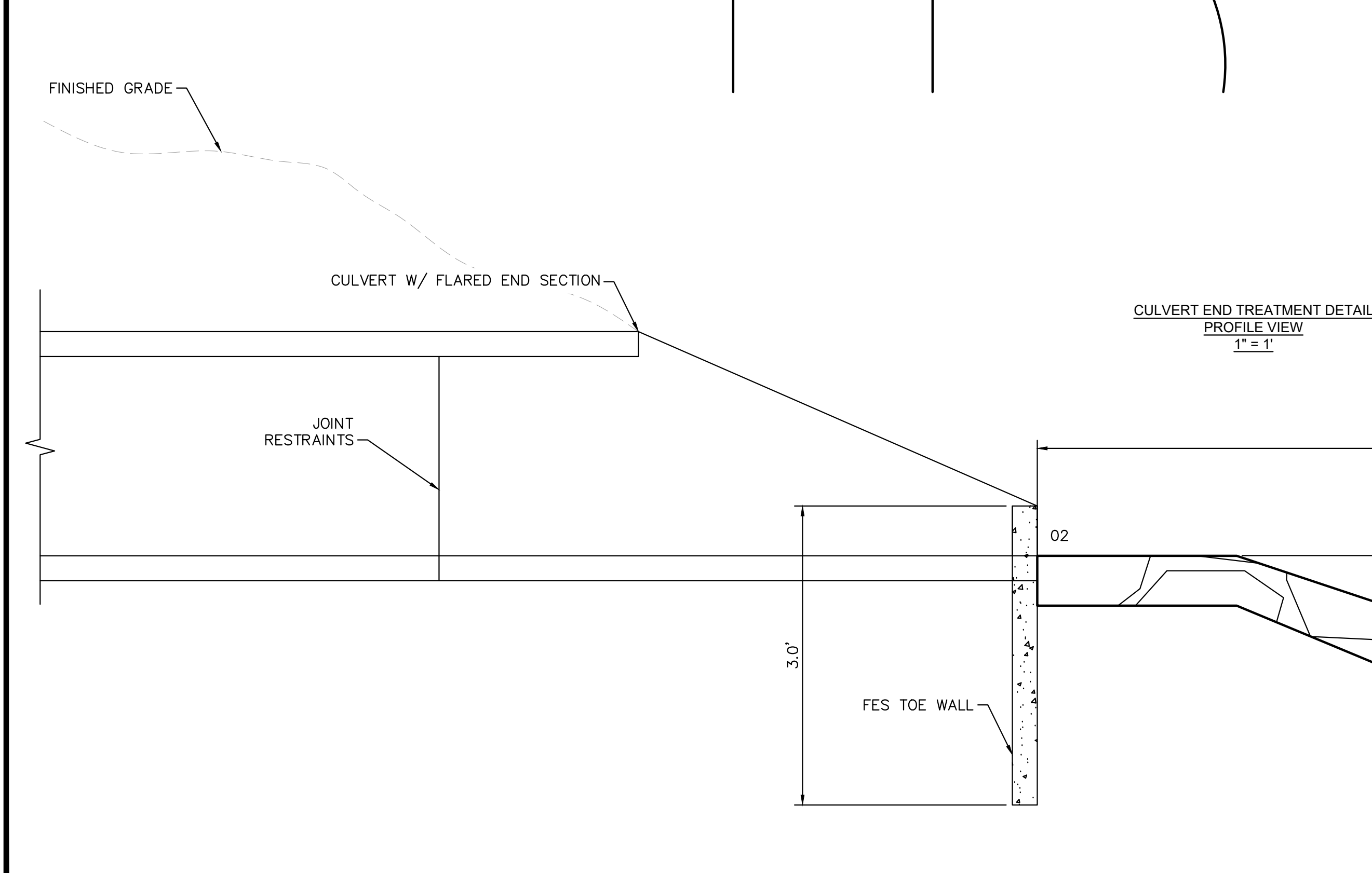
Table 506-2

Pay Item	Stone Size d ₅₀ ¹ (Inches)	Percent of Material Smaller Than Typical Stone ²	Typical Stone Dimensions ³ (Inches)	Typical Stone Weight ⁴ (Pounds)
Riprap	6	70-100	12	85
		50-70	9	35
		35-50	6	10
		2-10	2	0.4
Riprap	9	70-100	15	160
		50-70	12	85
		35-50	9	35
		2-10	3	1.3
Riprap	12	70-100	21	440
		50-70	18	275
		35-50	12	85
		2-10	4	3
Riprap	18	100	30	1280
		50-70	24	650
		35-50	18	275
		2-10	6	10
Riprap	24	100	42	3500
		50-70	33	1700
		35-50	24	650
		2-10	9	35

¹d₅₀ = nominal stone size
²based on typical rock mass
³equivalent spherical diameter
⁴based on a specific gravity = 2.5

Eagleview Low Tailwater Basin Summary Table

Culvert	Pipe Size (in)	Barrels (No.)	Bottom Width -W (ft)	Length - L (ft)	Top Width (ft)	Tailwater Basin Depth - D (ft)	D ₅₀ (in)	RipRap Thickness - [2*D ₅₀] (ft)	MHFD Riprap Type	Vol (ft ³)	Vol (yd ³)
1	18	1	4	15	16	1	6	1	VL	240	8.89
2	36	3	26	20	38	1.5	9	1.5	L	1140	42.22
3	24	2	12	15	24	1	6	1	VL	360	13.33
4	18	1	4	15	16	1	6	1	VL	240	8.89
5	18	1	4	15	16	1	6	1	VL	240	8.89
6	36	2	16	20	28	1.5	9	1.5	L	840	31.11
7	36	2	16	20	28	1.5	9	1.5	L	840	31.11
8	66	2	22	32	34	3	18	3	H	3264	120.89
Pond 3 Outfall	42	1	11	24	23	2	18	3	H	1656	61.33
WQ Pond 1	24	1	4	15	16	1	6	1	VL	240	8.89
WQ Pond 2	18	1	4	15	16	1	6	1	VL	240	8.89
Total			115	176	223					8820	327



NO. _____ BY _____ DATE _____

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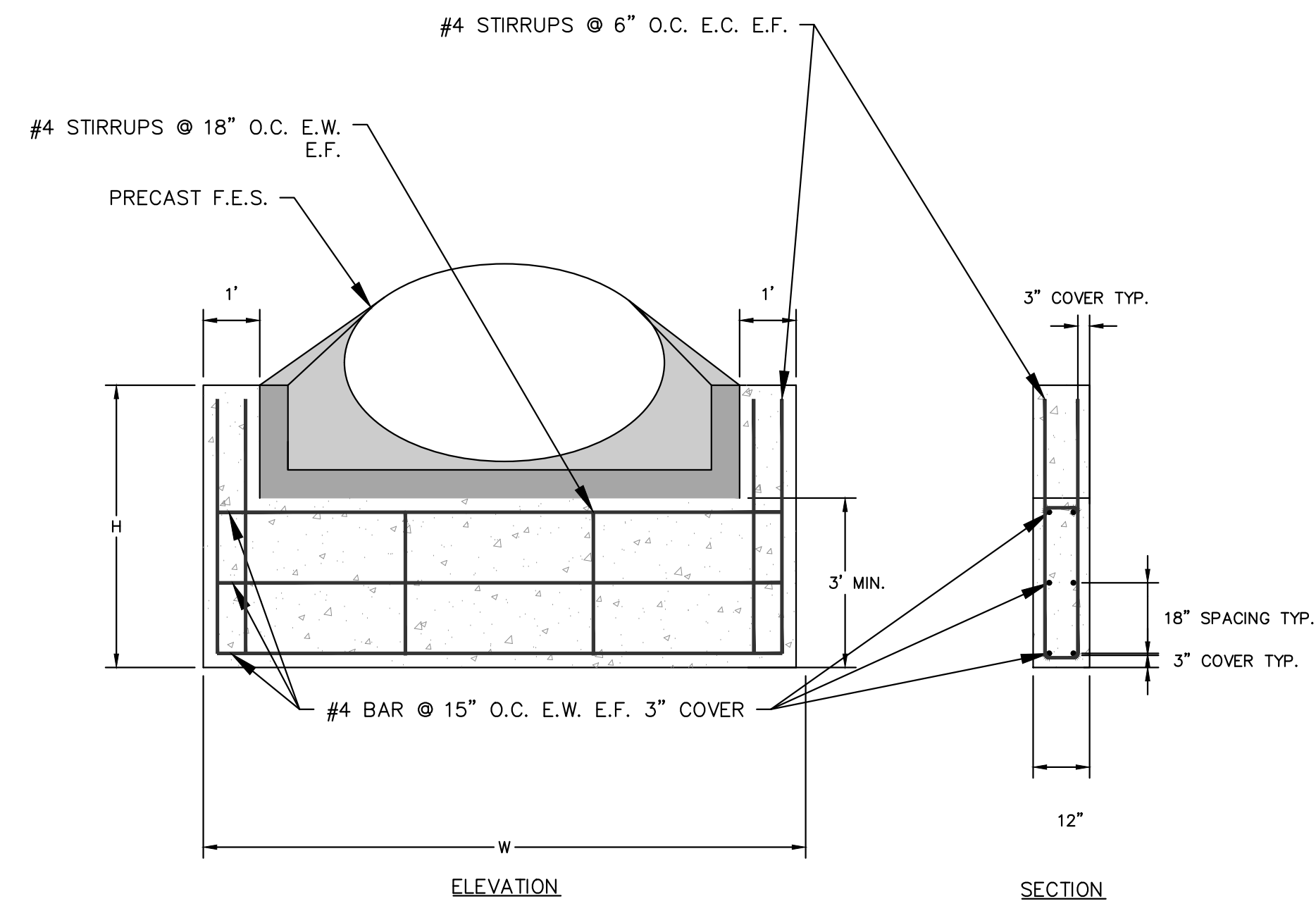
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 CONSTRUCTION DOCUMENTS
 CULVERT END TREATMENT DETAILS

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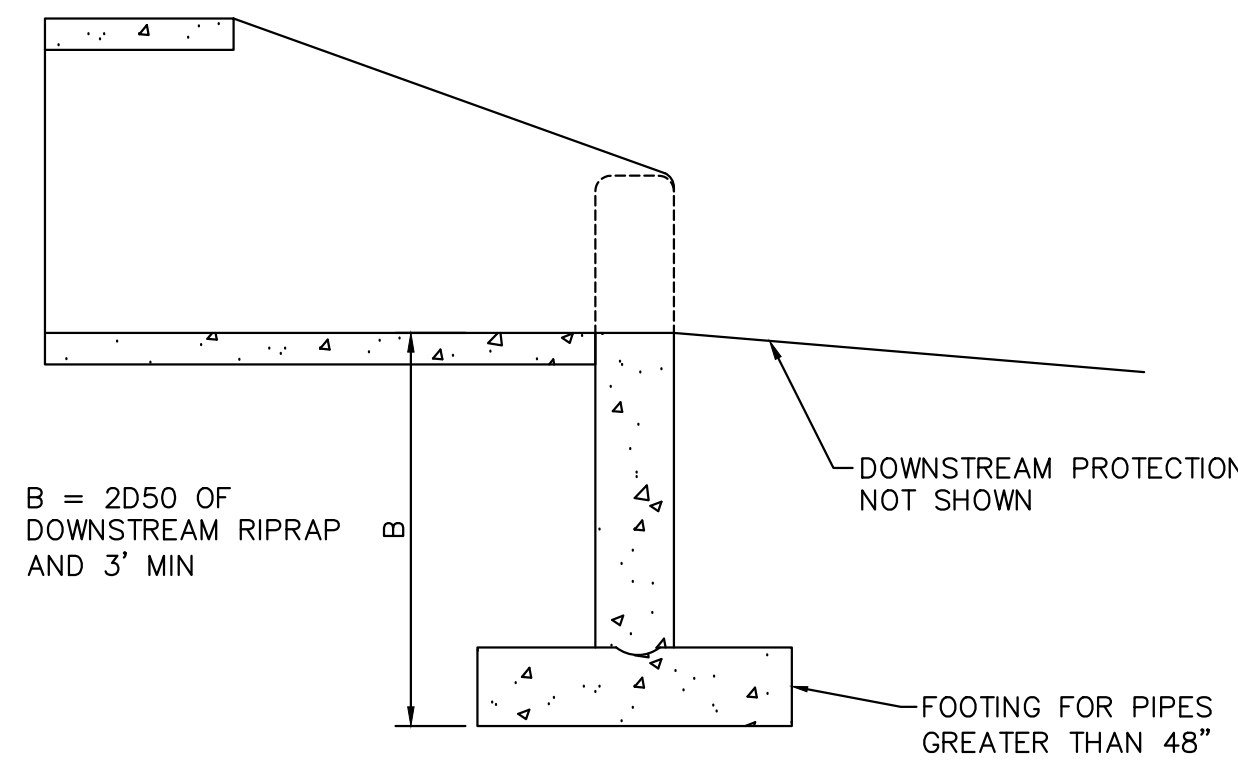
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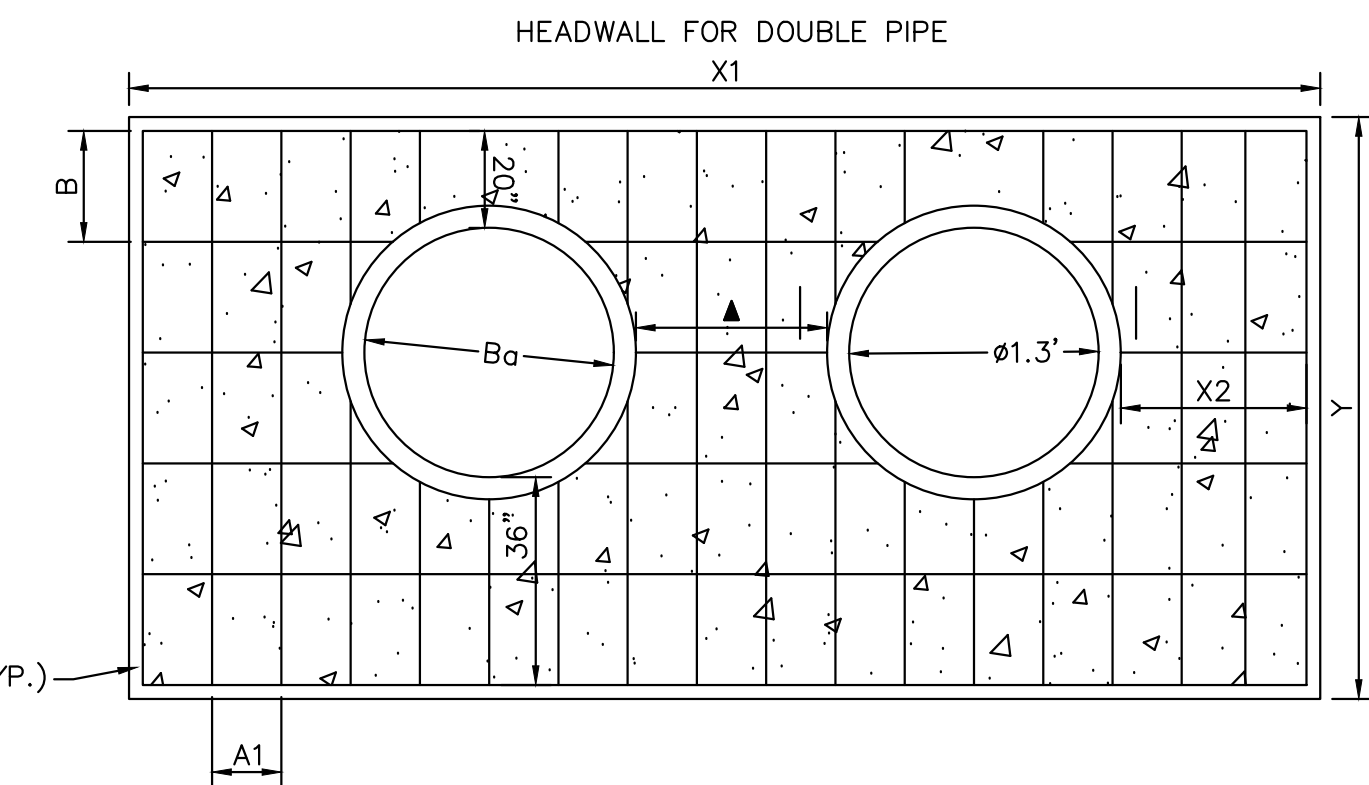


CULVERT TOE WALL DETAIL
N.T.S.

1. INSTALL CUTOFF WALLS UNDER ALL FLARED END SECTIONS.
2. REFER TO SIZE CHART ABOVE FOR PROPER SIZE
3. REFER TO CDOT STANDARD DRAWING M-603-10 FOR CONCRETE FLARED-END SECTION DETAILS
4. CONCRETE SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF 2,500 PSI MINIMUM.
5. ALL CONNECTIONS, CONCRETE CUTOFF WALL (FOR END SECTION), STRUCTURE EXCAVATION AND BACKFILL, AND EXTRA WORK REQUIRED TO MODIFY OTHER PAY ITEMS SHALL BE INCLUDED IN THE COST OF REINFORCED CONCRETE END SECTION.
6. EXCAVATION FOR RIPRAP SHALL BE INCLUDED IN THE COST OF THE RIPRAP.

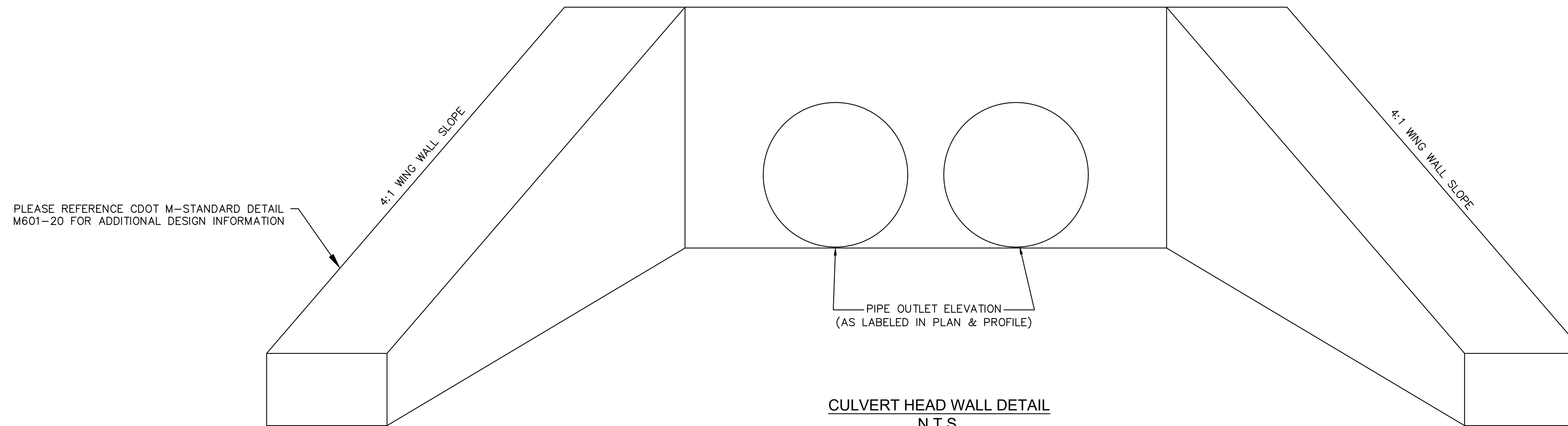


CULVERT TOE WALL DETAIL
N.T.S.



CULVERT HEAD WALL DETAIL
N.T.S.

PLEASE REFERENCE CDOT M-STANDARD DETAILS M601-10 AND M601-12 FOR ADDITIONAL DESIGN INFORMATION PLEASE NOTE THAT O.D.-O.D.



CULVERT HEAD WALL DETAIL
N.T.S.

PLEASE REFERENCE CDOT M-STANDARD DETAILS M601-10 AND M601-12 FOR ADDITIONAL DESIGN INFORMATION PLEASE NOTES THAT O.D.-O.D. SPACING BETWEEN RCP PIPES SHALL BE 3.0' TYPICAL.

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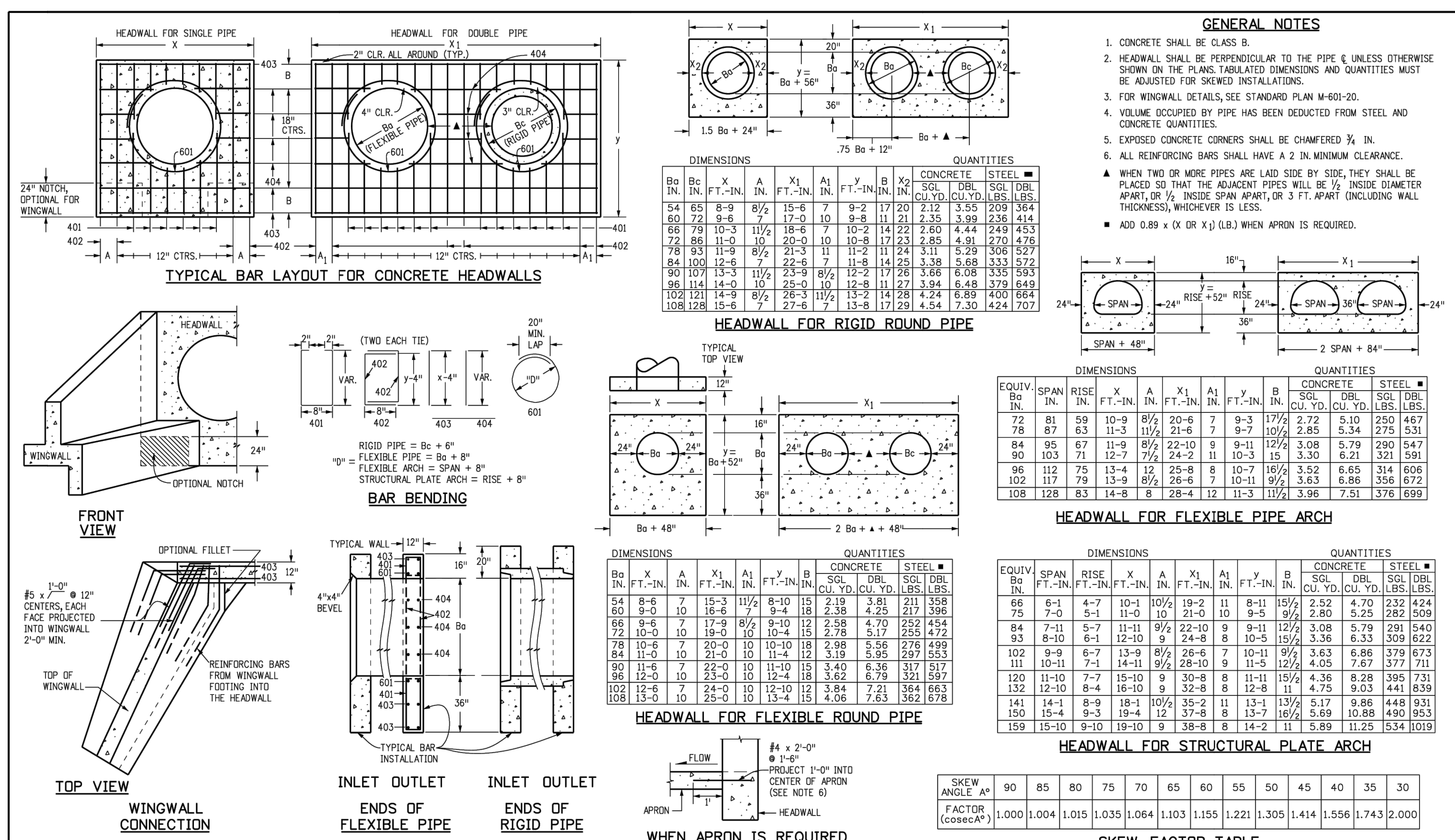
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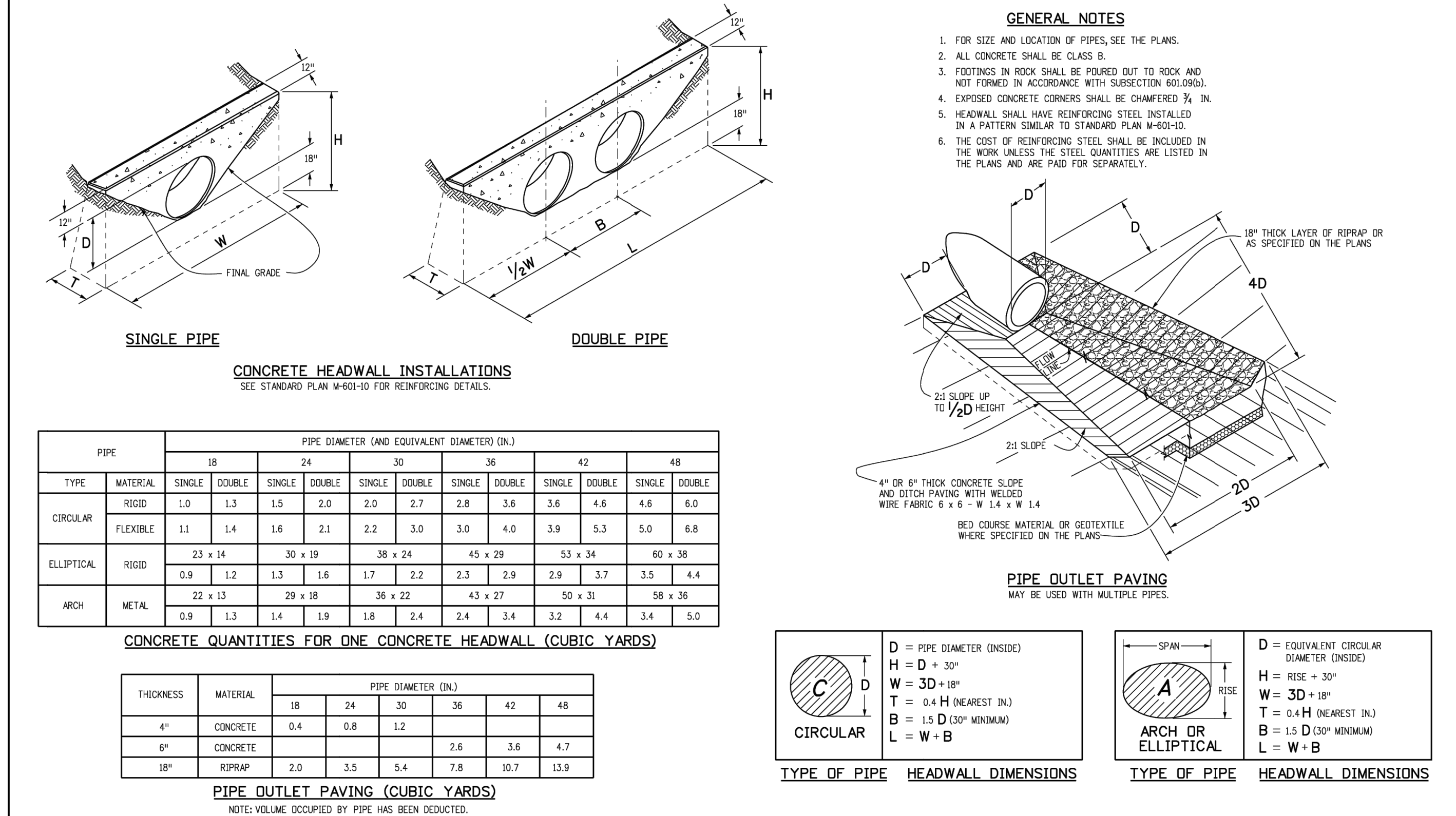
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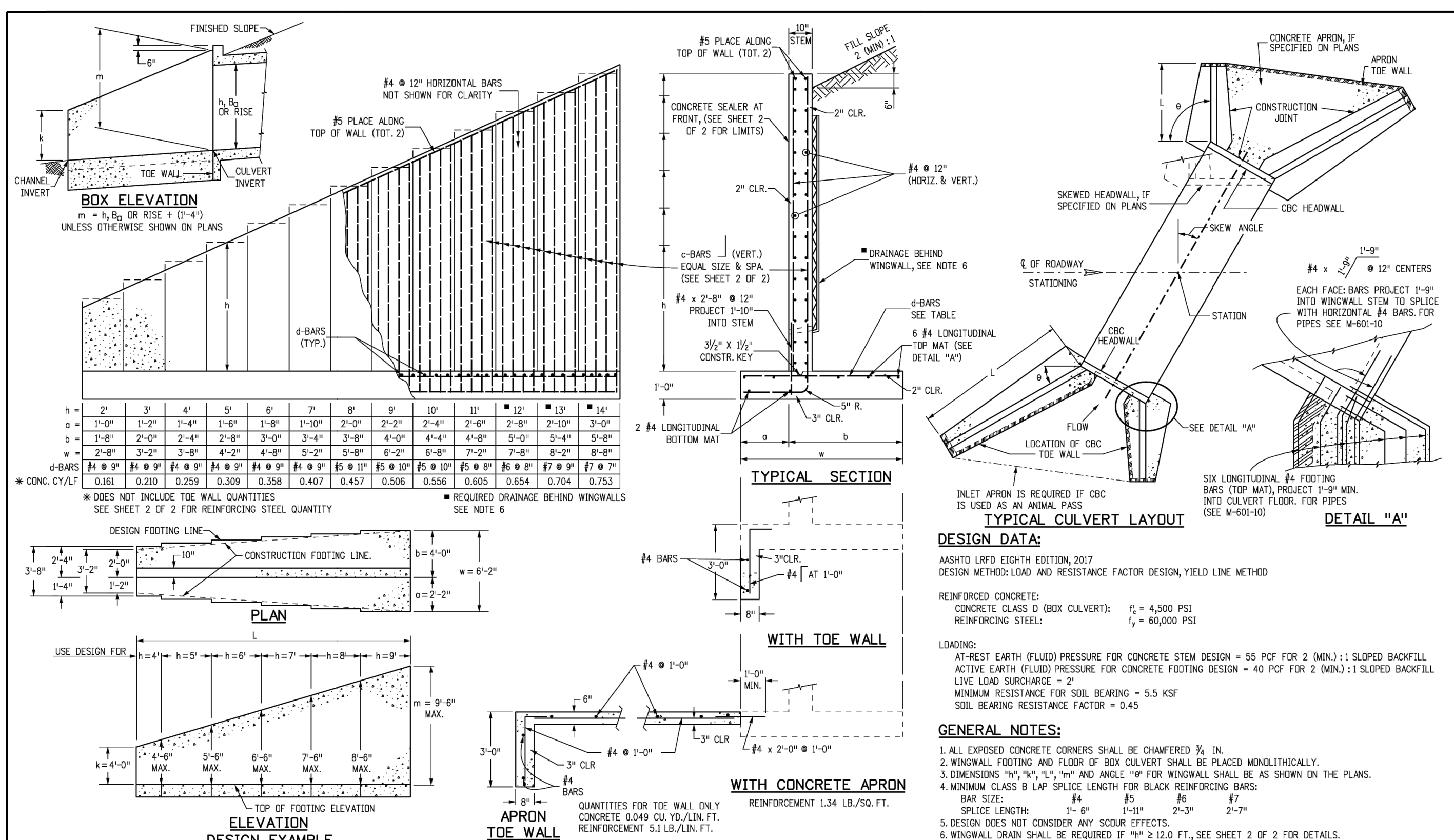
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Creation Date: 07/31/19	Date: 07/31/19	Date: 07/31/19	Comments	2829 West Howard Place	M-601-10		
Designer: JBK	Initials: JBK	Initials: JBK		CDOT HO, 3rd Floor	Standard Sheet No. 1 of 1		
Last Modification Date: 07/31/19	Initials: LTA	Initials: LTA		Denver, CO 80204	Project Sheet Number:		
Detailer: LTA	Units: English	Units: English		Phone: 303-757-9021 FAX: 303-757-9688			
CAD Ver.: MicroStation V8	Scale: Not to Scale	Scale: Not to Scale		Project Development Branch	JBK		



Computer File Information		Sheet Revisions		Colorado Department of Transportation		STANDARD PLAN NO.	
Creation Date: 07/31/19	Date: 07/31/19	Date: 07/31/19	Comments	2829 West Howard Place	M-601-12		
Designer: JBK	Initials: JBK	Initials: JBK		CDOT HO, 3rd Floor	Standard Sheet No. 1 of 1		
Last Modification Date: 07/31/19	Initials: LTA	Initials: LTA		Denver, CO 80204	Project Sheet Number:		
Detailer: LTA	Units: English	Units: English		Phone: 303-757-9021 FAX: 303-757-9688			
CAD Ver.: MicroStation V8	Scale: Not to Scale	Scale: Not to Scale		Project Development Branch	JBK		



Computer File Information		Sheet Revisions		Colorado Department of Transportation		STANDARD PLAN NO.	
Creation Date: 07/04/12	Date: 09/04/18	Date: 09/04/18	Comments	2829 West Howard Place	M-601-20		
Designer: HMB	Initials: HMB	Initials: HMB		CDOT HO, 3rd Floor	Standard Sheet No. 1 of 2		
Last Modification Date: 09/04/18	Initials: LRD	Initials: LRD	Design	Denver, CO 80204	Project Sheet Number:		
Detailer: LRD	Units: English	Units: English		Phone: 303-757-9021 FAX: 303-757-9688			
CAD Ver.: MicroStation V8	Scale: Not to Scale	Scale: Not to Scale		Division of Project Support	HHB		

c-BARS AND REINFORCING STEEL QUANTITY (EXCLUDE TIE WALL)

* REINFORCING STEEL QUANTITY INCLUDES STEM AND FOOTING QUANTITIES, BUT DOES NOT INCLUDE THE WALL QUANTITIES.

L (MULTIPLE OF) m	≤ (0.0 x m)		≤ (0.25 x m)		≤ (0.5 x m)		≤ (0.75 x m)		≤ (1.0 x m)		≤ (1.25 x m)		≤ (1.5 x m)		≤ (2.0 x m)		≤ (2.25 x m)		≤ (2.5 x m)		≤ (3.0 x m)		≤ (3.25 x m)		≤ (3.5 x m)								
	REINFORCING STEEL QUANTITY (LBS.)	CONCRETE QUANTITY (CY)	REINFORCING STEEL QUANTITY (LBS.)	CONCRETE QUANTITY (CY)	REINFORCING STEEL QUANTITY (LBS.)	CONCRETE QUANTITY (CY)	REINFORCING STEEL QUANTITY (LBS.)	CONCRETE QUANTITY (CY)	REINFORCING STEEL QUANTITY (LBS.)	CONCRETE QUANTITY (CY)	REINFORCING STEEL QUANTITY (LBS.)	CONCRETE QUANTITY (CY)	REINFORCING STEEL QUANTITY (LBS.)	CONCRETE QUANTITY (CY)	REINFORCING STEEL QUANTITY (LBS.)	CONCRETE QUANTITY (CY)	REINFORCING STEEL QUANTITY (LBS.)	CONCRETE QUANTITY (CY)	REINFORCING STEEL QUANTITY (LBS.)	CONCRETE QUANTITY (CY)	REINFORCING STEEL QUANTITY (LBS.)	CONCRETE QUANTITY (CY)	REINFORCING STEEL QUANTITY (LBS.)	CONCRETE QUANTITY (CY)	REINFORCING STEEL QUANTITY (LBS.)	CONCRETE QUANTITY (CY)							
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6	44	10	58.43	85	10	70.60	85	10	66.89	85	10	74.53	85	10	78.30	85	10	78.30	85	10	83.84	85	10	83.22	85	10	86.05	85	10	85.77	85	10	89.64
7	44	10	61.29	85	10	73.76	85	10	72.83	85	10	78.32	85	10	81.87	85	10	81.87	85	10	87.45	85	10	87.21	85	10	89.02	85	10	88.76	85	10	92.73
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9	44	10	68.10	85	10	87.23	85	10	91.03	85	10	96.72	85	10	103.93	85	10	103.54	85	10	110.65	85	10	110.28	85	10	111.77	85	10	111.51	85	10	115.80
10	44	10	71.61	85	10	92.25	85	10	95.71	85	10	103.09	85	10	111.48	85	10	110.85	85	10	118.85	85	10	118.37	85	10	120.17	85	10	119.89	85	10	124.40
11	44	10	75.26	85	10	97.17	85	10	100.59	85	10	108.95	85	10	118.44	85	10	117.61	85	10	126.45	85	10	125.82	85	10	127.84	85	10	127.45	85	10	132.40
12	44	10	79.05	85	10	101.57	85	10	104.99	85	10	113.35	85	10	122.94	85	10	121.91	85	10	130.76	85	10	130.02	85	10	132.25	85	10	131.76	85	10	137.20
13	44	10	82.98	85	10	106.48	85	10	109.91	85	10	118.27	85	10	128.86	85	10	127.63	85	10	136.49	85	10	135.65	85	10	138.00	85	10	137.41	85	10	143.40
14	44	10	87.05	85	10	111.19	85	10	114.63	85	10	123.00	85	10	134.59	85	10	133.26	85	10	142.13	85	10	141.19	85	10	143.66	85	10	143.07	85	10	149.60

Computer File Information		Sheet Revisions		Colorado Department of Transportation		STANDARD PLAN NO.	
Creation Date: 07/04/12	Date: 09/04/18	Date: 09/04/18	Comments	2829 West Howard Place	M-601-20		
Designer: HMB	Initials: HMB	Initials: HMB		CDOT HO, 3rd Floor	Standard Sheet No. 2 of 2		
Last Modification Date: 09/04/18	Initials: LRD	Initials: LRD	Design	Denver, CO 80204	Project Sheet Number:		
Detailer: LRD	Units: English	Units: English		Phone: 303-757-9021 FAX: 303-757-9688			
CAD Ver.: MicroStation V8	Scale: Not to Scale	Scale: Not to Scale		Division of Project Support	HHB		

Kimley»Horn

2024 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
DRAWN BY: MKK
CHECKED BY: MKK
DATE: 06/27/2024

EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
HEADWALL & WINGWALL DETAILS

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PROJECT NO. 196106001
SHEET
C1.34

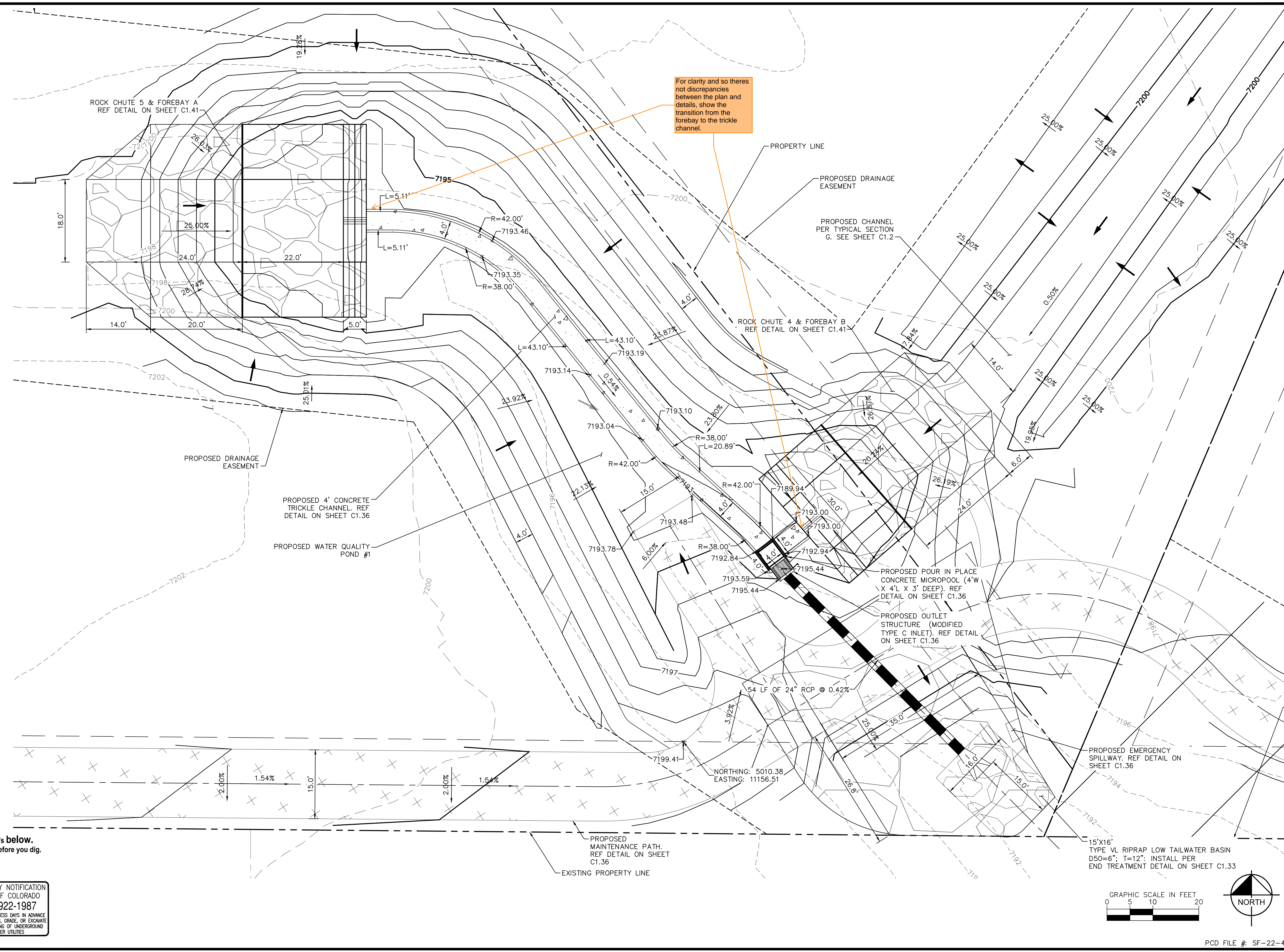
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K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDs_CD_PND-W01.dwg Schmelbach, Ryan 6/27/2024 1:11 PM

811 Know what's below.
Call before you dig.

CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987

CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES



NO.	REVISION	BY	DATE

Kimley»Horn
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2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
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CHECKED BY: KRK
DATE: 06/27/2024

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
WATER QUALITY POND #1

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Kimley»Horn
Kimley-Horn and Associates, Inc.

PROJECT NO.
196106001

SHEET
C1.35

PCD FILE #: SF-22-42

ORIFICE PLATE NOTES

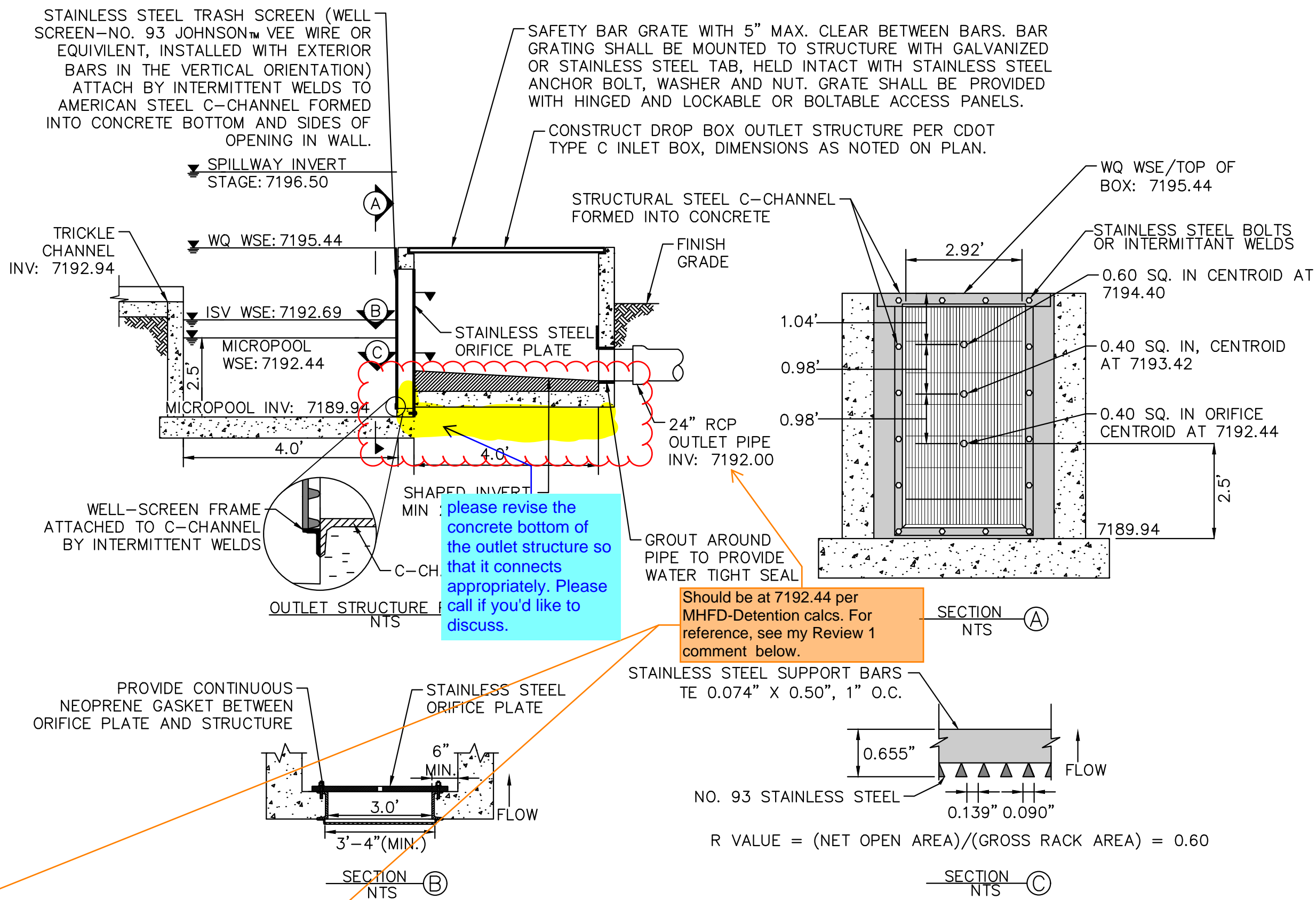
1. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
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4. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.

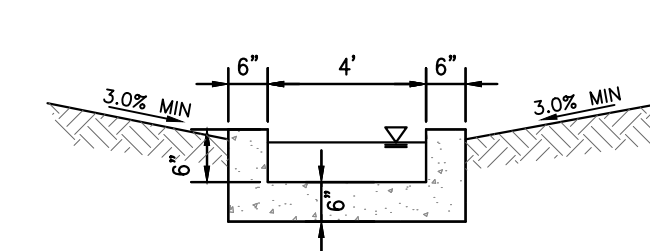
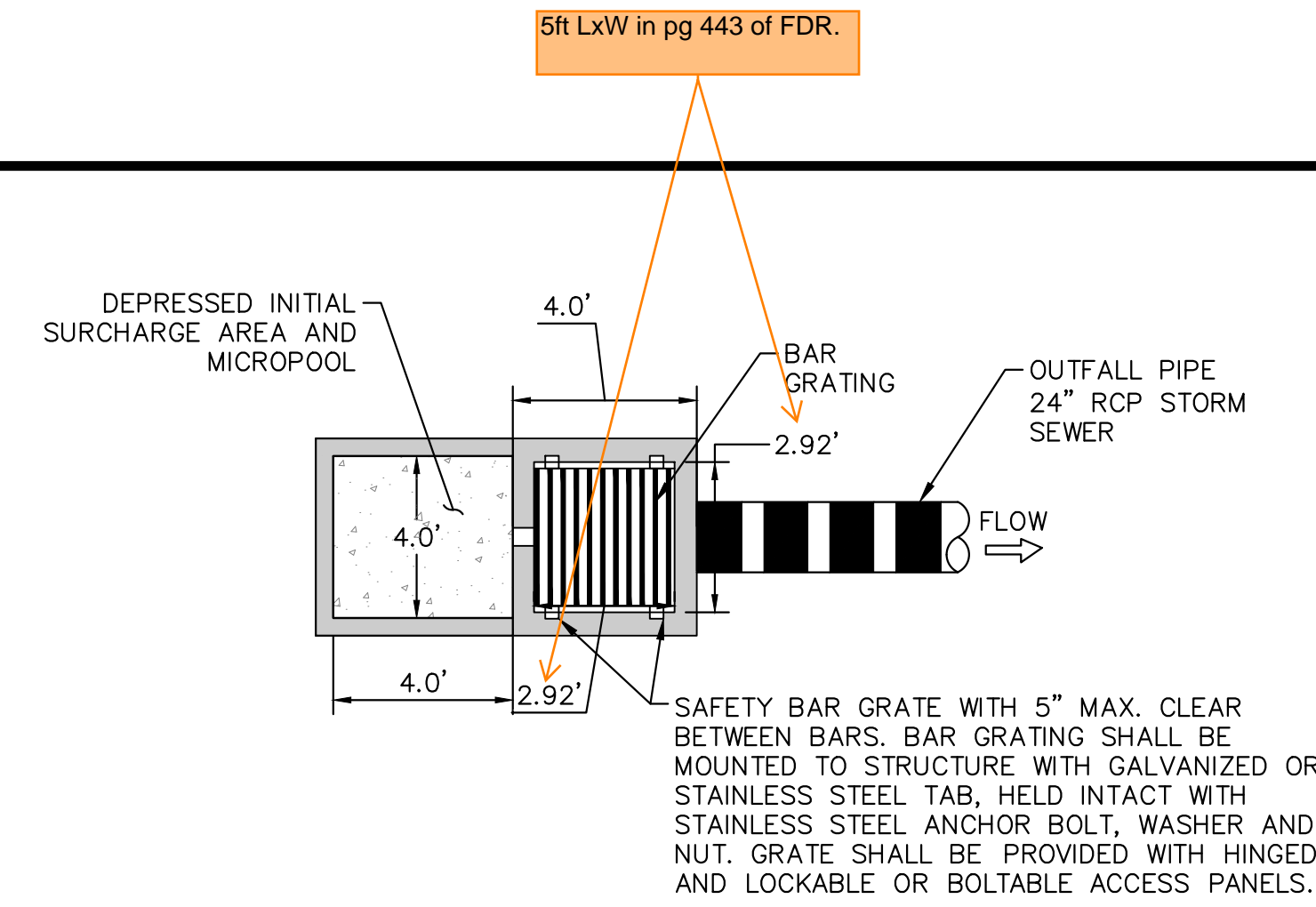
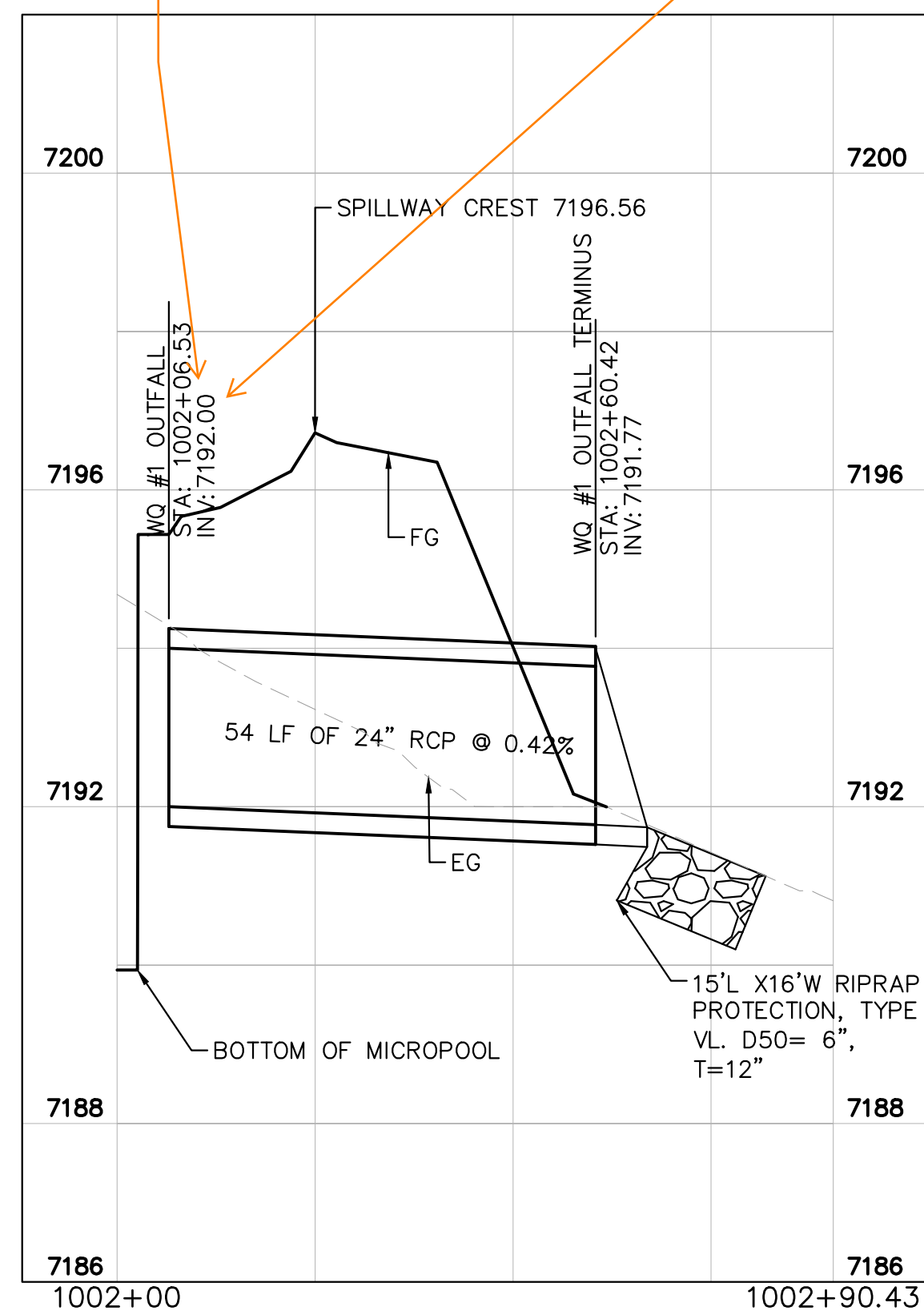
OVERFLOW SAFETY GRATES

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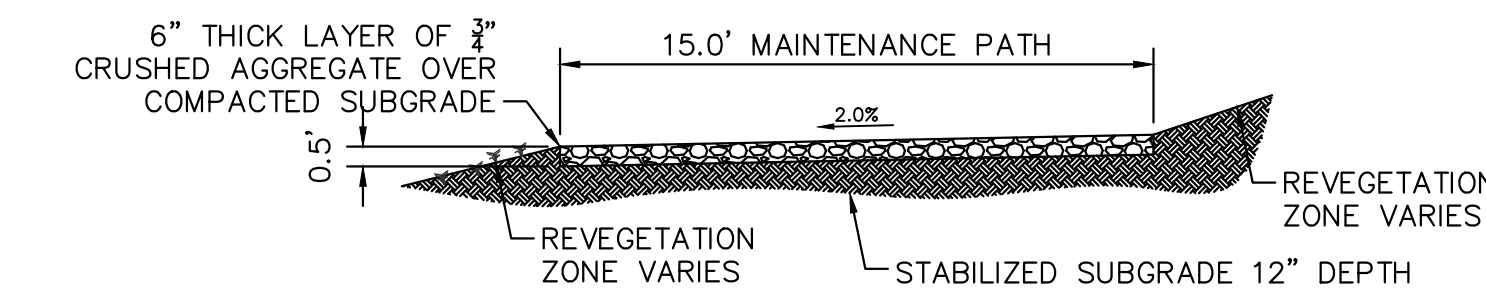
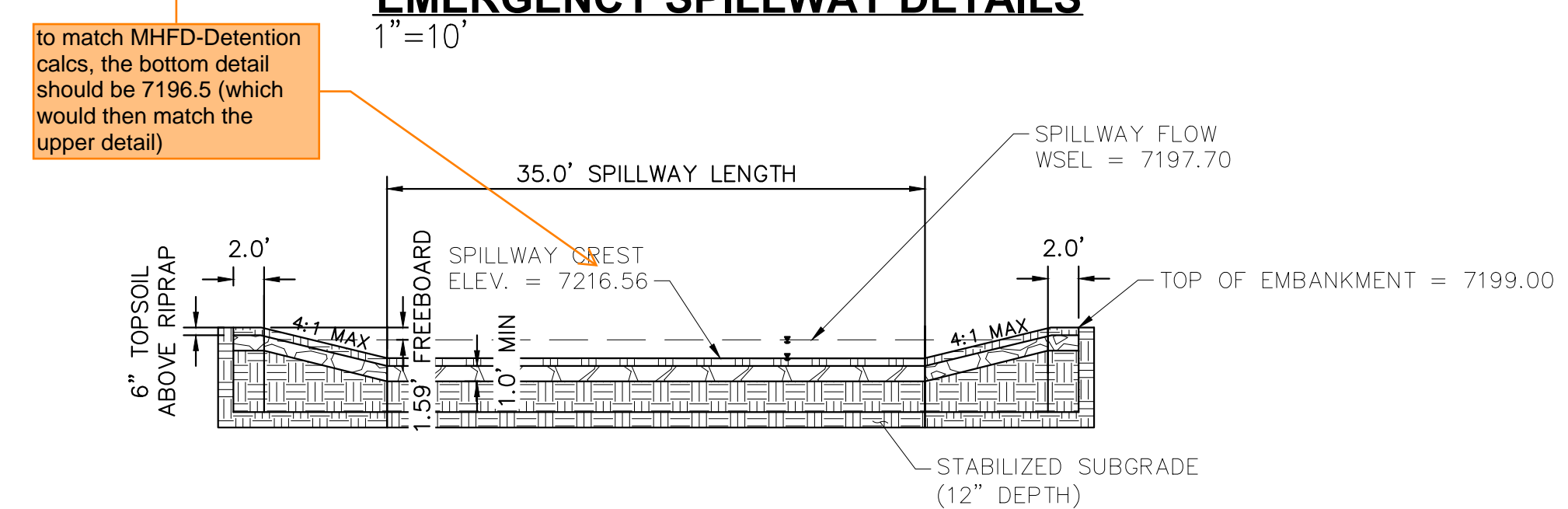
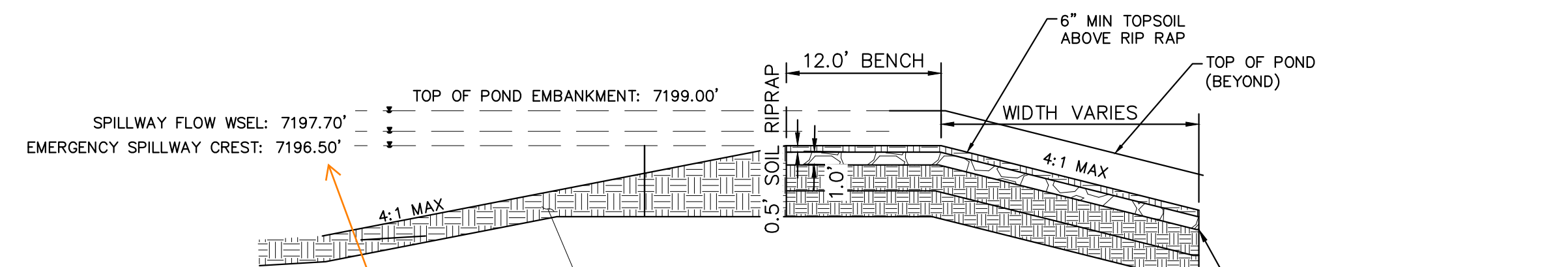
Unresolved comment from Review 1: depth to equal micropool elevation per UD-Detention spreadsheet in FDR.

Review 2 update: MHFD calcs show that inv of outlet pipe is at Stage = 0ft which is the micropool WSEL. So this inv is not shown correctly on this profile.



OUTLET SIGNAGE

- N.T.S.
- OUTLET SIGNAGE NOTES**
1. SIGN SHALL BE A MINIMUM OF 0.75 SQUARE FEET AND SHALL BE ATTACHED TO THE OUTLET OR POSTED NEARBY.



MAINTENANCE ROAD

- 1"=5"
- MAINTENANCE PATH NOTES**
1. MAINTENANCE PATH SHALL INCLUDE SUBGRADE PREPARATION, GRAVEL BASE, AND COMPACTION.



NO.	REVISION	BY	DATE	APPR

Kimley»Horn
2024 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KRK
DATE: 06/27/2024

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
WATER QUALITY POND #1 DETAILS

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Kimley»Horn
Kimley-Horn and Associates, Inc.

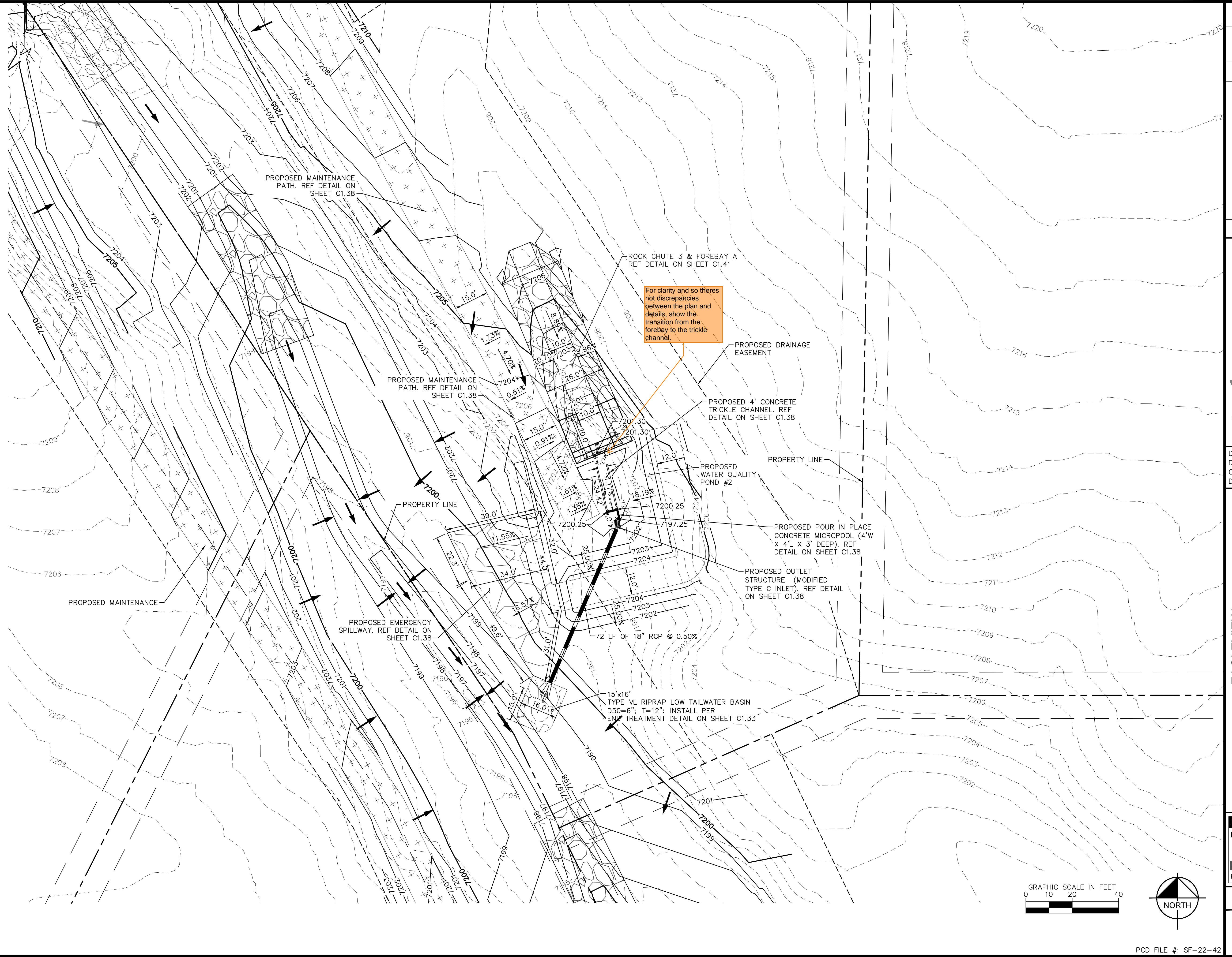
PROJECT NO.
196106001
SHEET

C1.36

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDs_CD_PND-WQ2.dwg Schmelbach, Ryan 6/27/2024 1:12 PM



CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987



For clarity and so there are not discrepancies between the plan and details, show the transition from the forebay to the trickle channel.

Table with columns: NO., REVISION, BY, DATE, APPR.

Kimley»Horn
2024 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

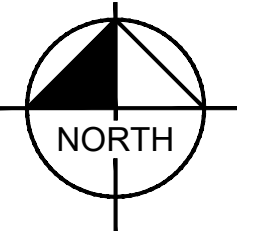
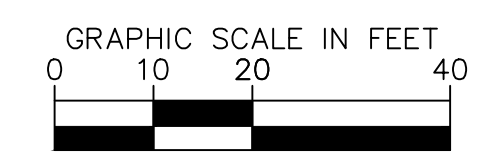
DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KRK
DATE: 06/27/2024

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
WATER QUALITY POND #2

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Kimley»Horn
Kimley-Horn and Associates, Inc.

PROJECT NO. 196106001
SHEET

C1.37



ORIFICE PLATE NOTES

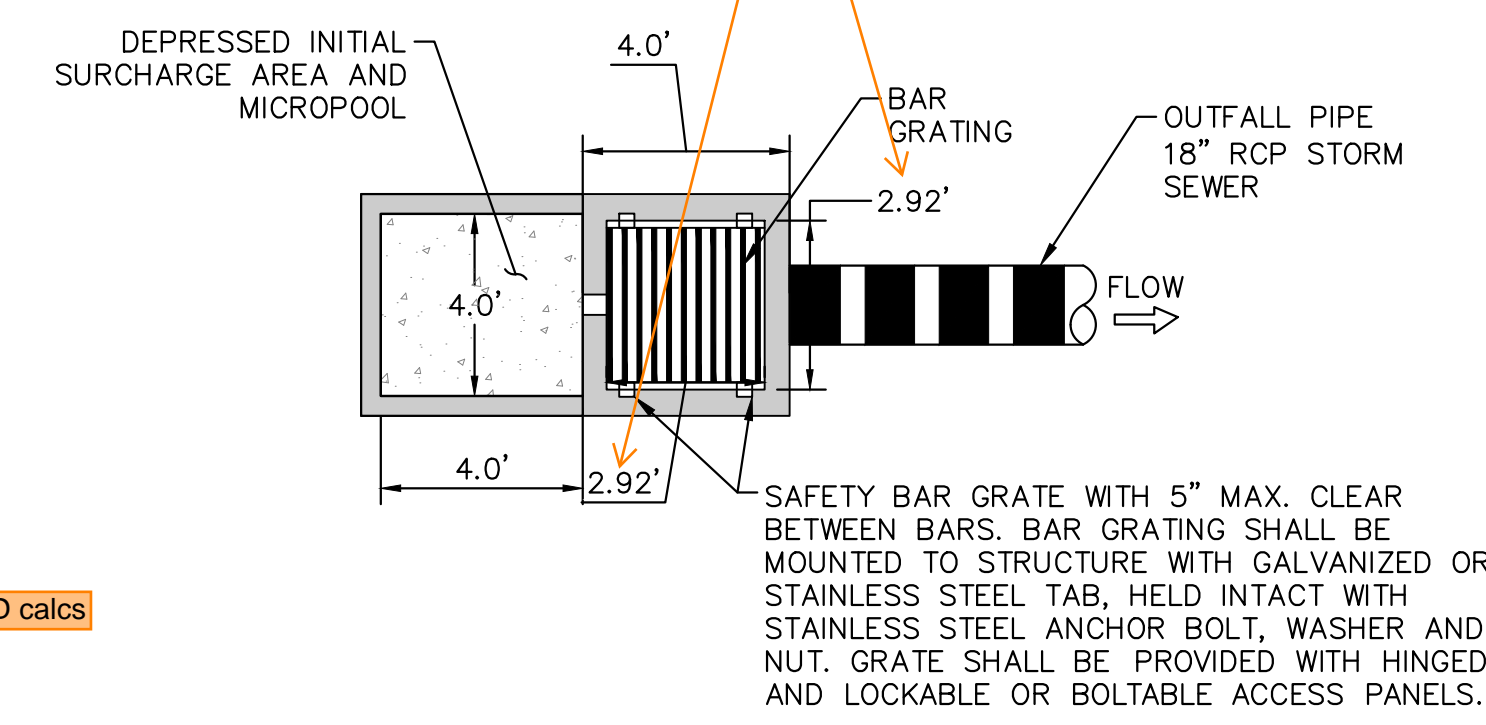
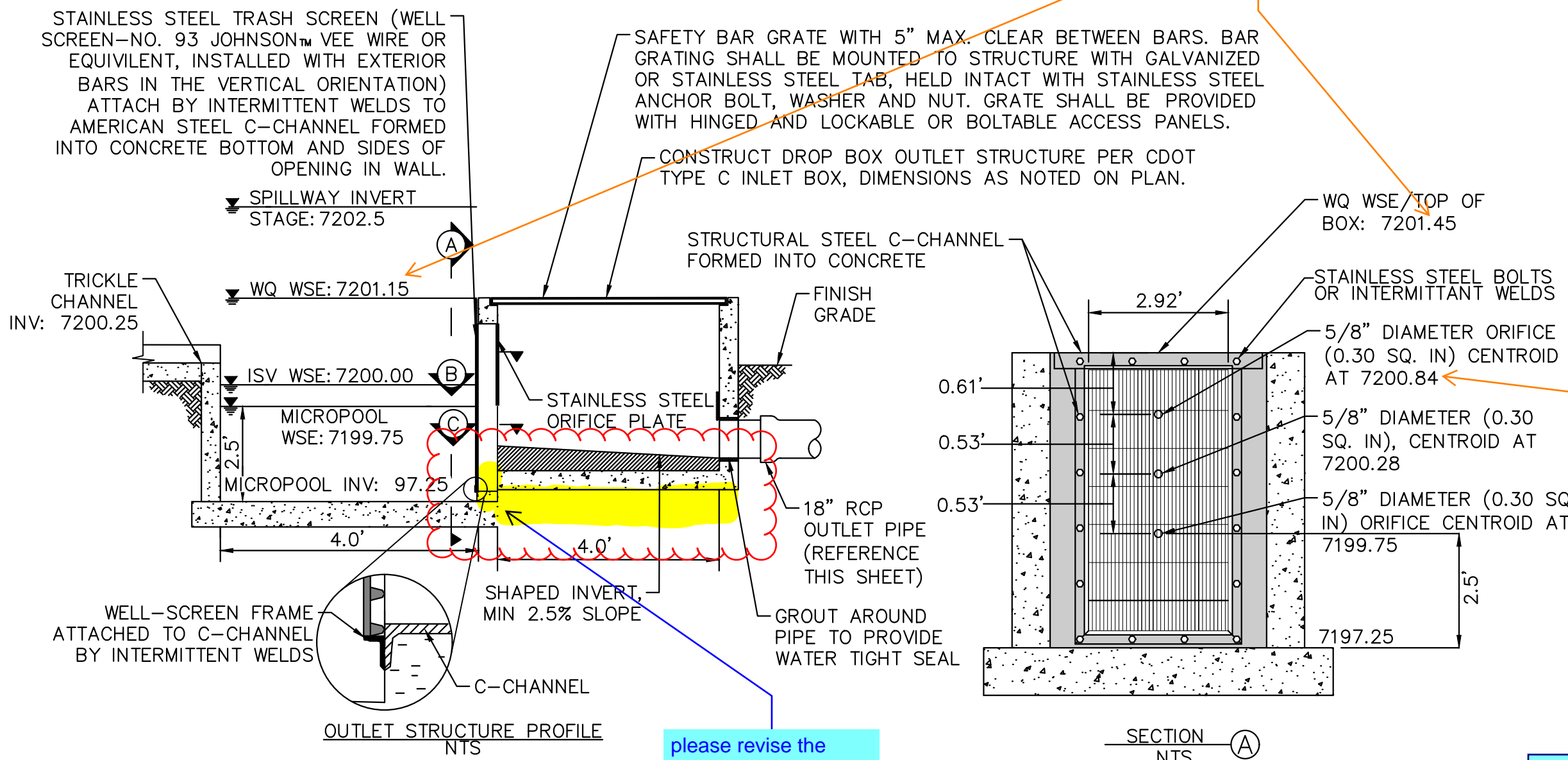
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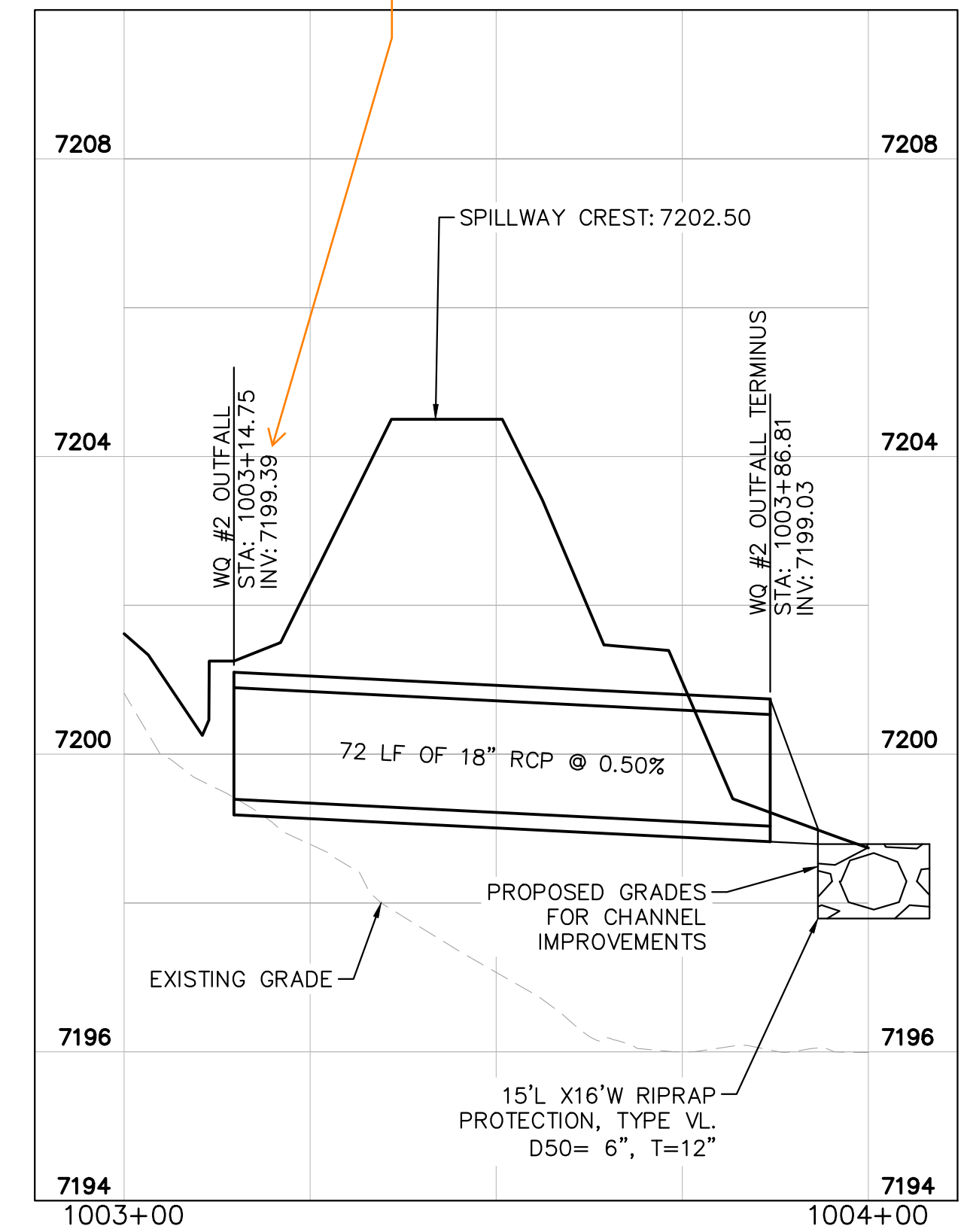


please revise the concrete bottom of the outlet structure so that it connects appropriately. Please call if you'd like to discuss.

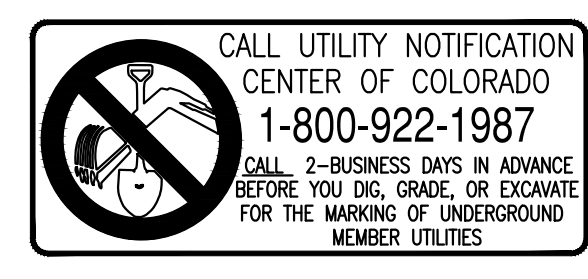
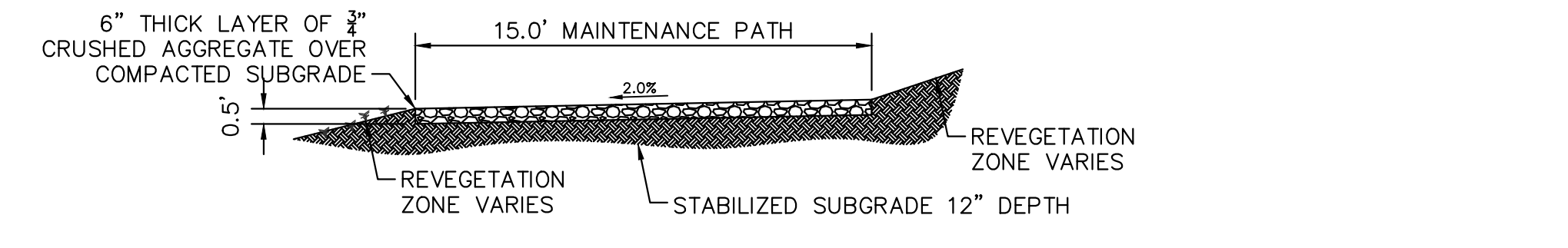
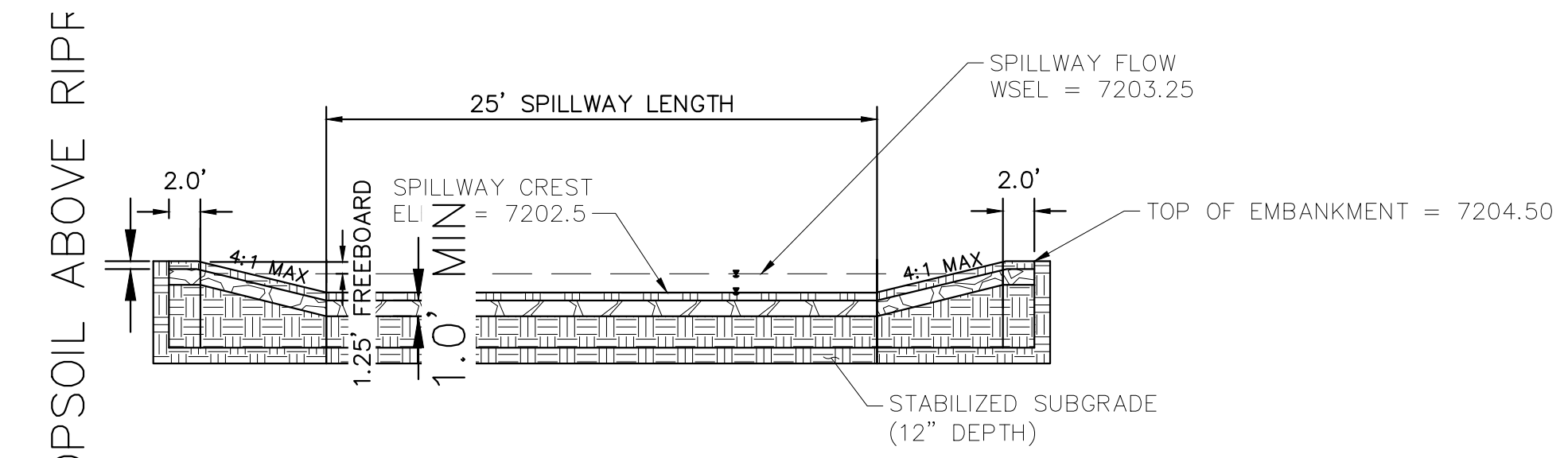
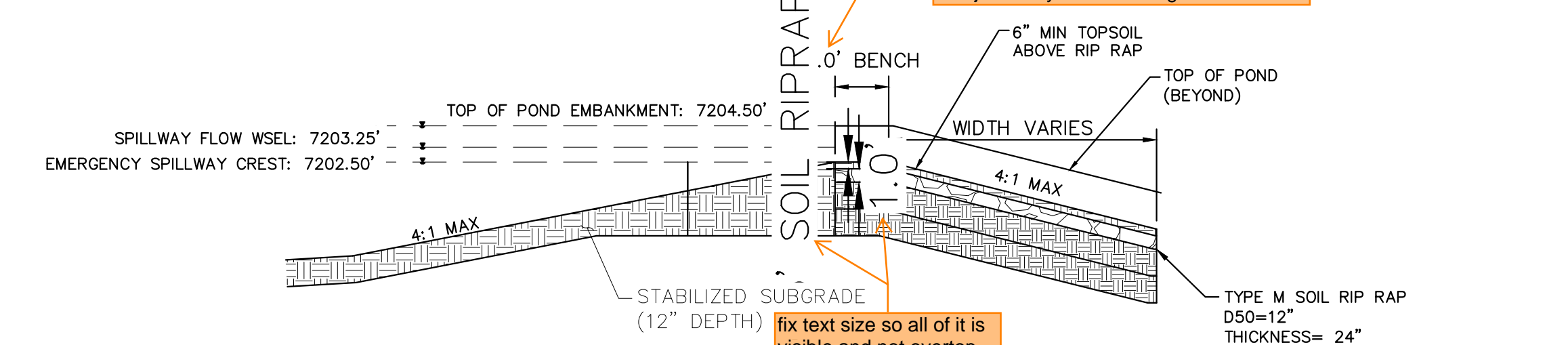
review 1 comment Show/label steps in the outlet structure. review 2: unresolved Review 3: unresolved

Because of the overlapping text, I am unable to confirm if the following comment from Review 1 was resolved: Per DCMv1 Chap 11.3.3, adjust pond design to include a min. width of 12ft at top of embankment. If wanting to keep width at 4ft, provide a deviation request that justifies your reasoning.

Should be 7199.75 Unresolved Review 1 & 2 comment for reference: depth to equal micropool elevation per UD-Detention spreadsheet in FDR



OUTLET STRUCTURE PROFILE DETAIL N.T.S.



NO.	REVISION	BY	DATE	APPR

Kimley»Horn
 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
 DRAWN BY: MJK
 CHECKED BY: KRK
 DATE: 06/27/2024

EAGLEVIEW
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
WATER QUALITY POND #2 DETAILS

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Kimley»Horn
 Kimley-Horn and Associates, Inc.

PROJECT NO.
 196106001
 SHEET

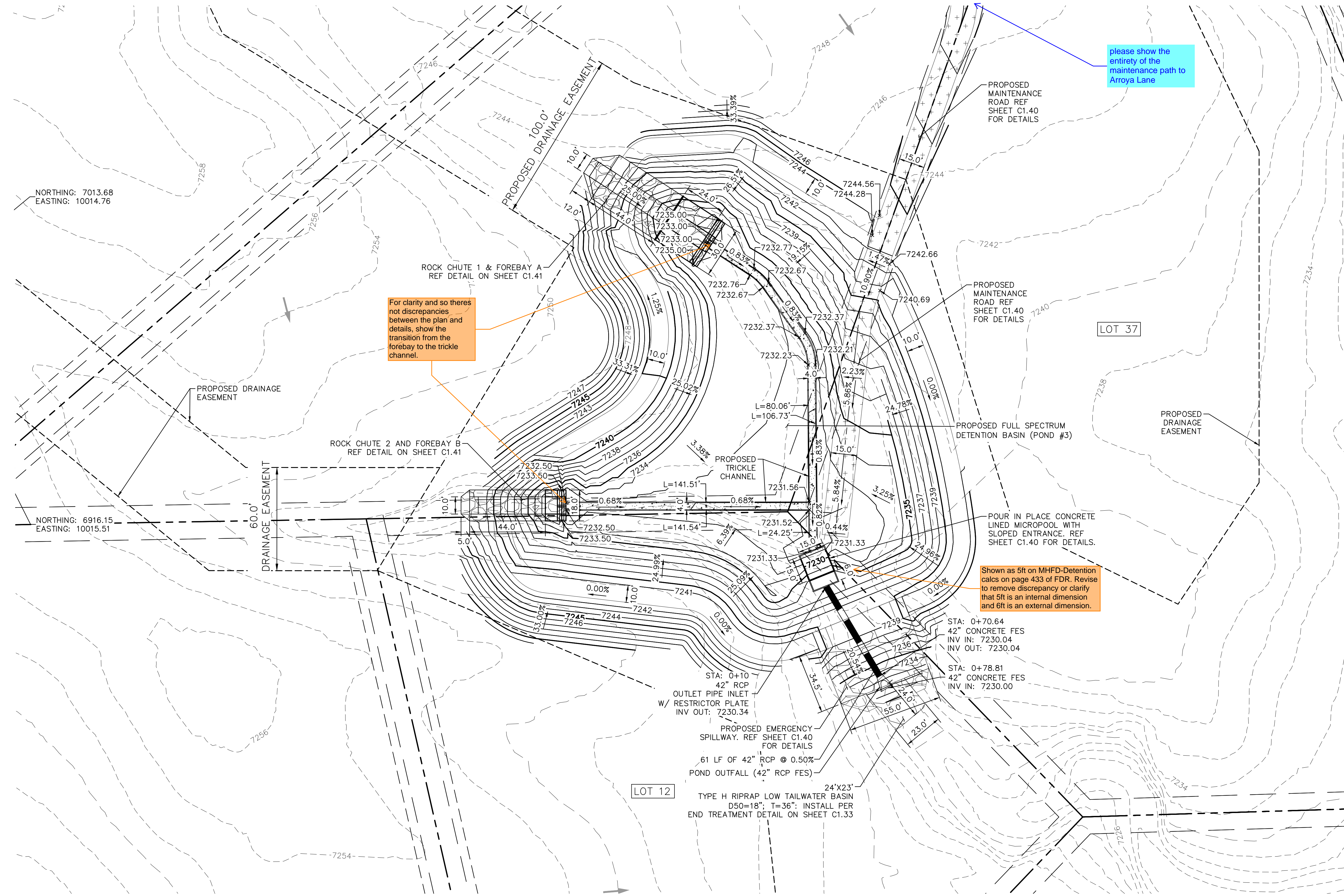
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NORTHING: 7013.68
EASTING: 10014.76

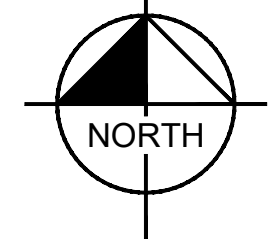
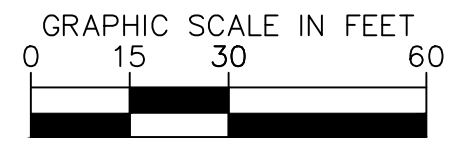
NORTHING: 6916.15
EASTING: 10015.51



For clarity and so there are not discrepancies between the plan and details, show the transition from the forebay to the trickle channel.

please show the entirety of the maintenance path to Arroya Lane

Shown as 5ft on MHD-Detention calcs on page 433 of FDR. Revise to remove discrepancy or clarify that 5ft is an internal dimension and 6ft is an external dimension.



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 Colorado Springs, Colorado 80903 (719) 453-0180

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EAGLEVIEW
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
POND 3 PLAN

PRELIMINARY
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Kimley»Horn
 Kimley-Horn and Associates, Inc.

PROJECT NO.
196106001
SHEET

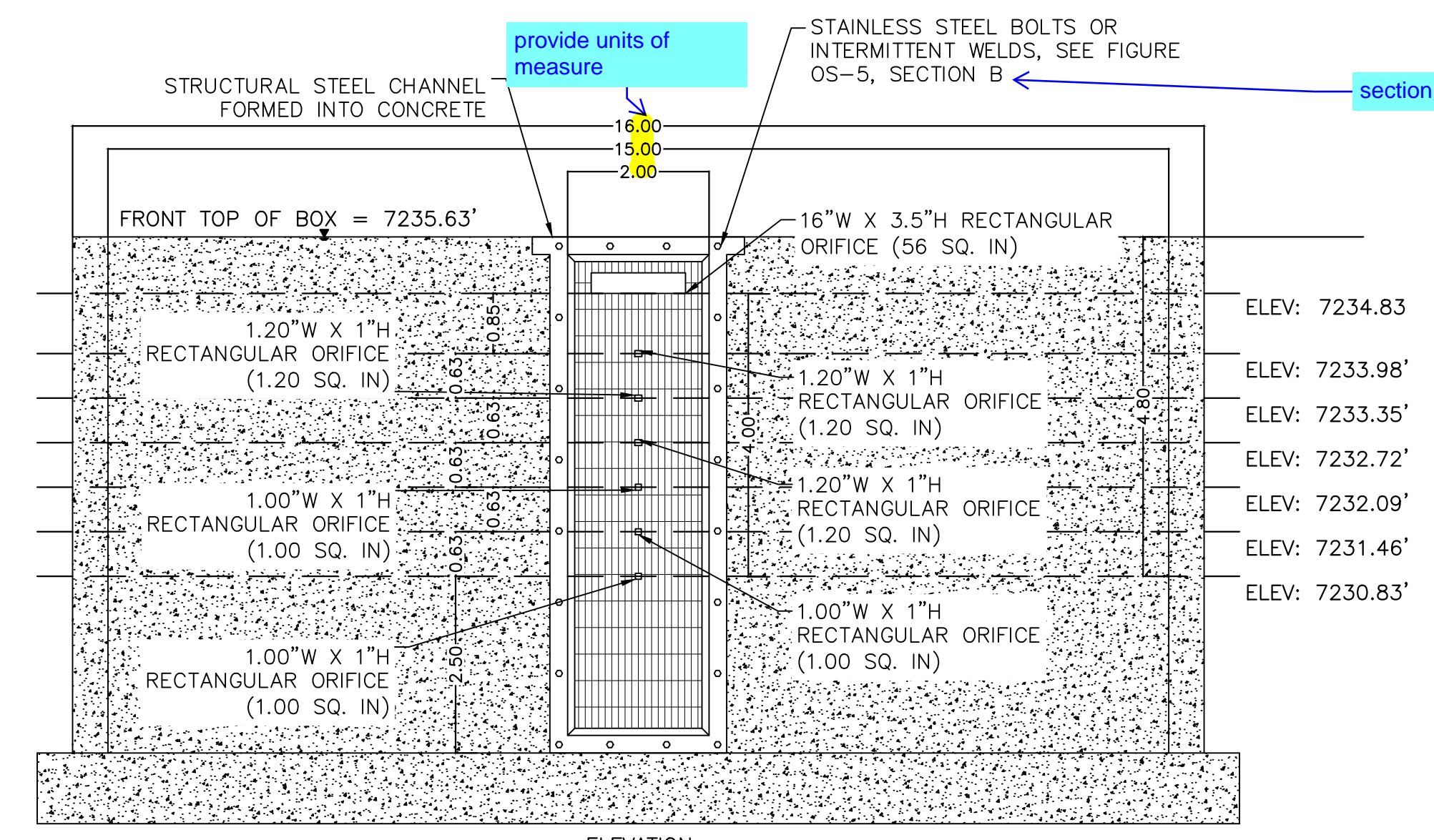
C1.39

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDs_PND-SUB.dwg Schmelbach, Ryan 6/27/2024 1:13 PM

811 Know what's below. Call before you dig.

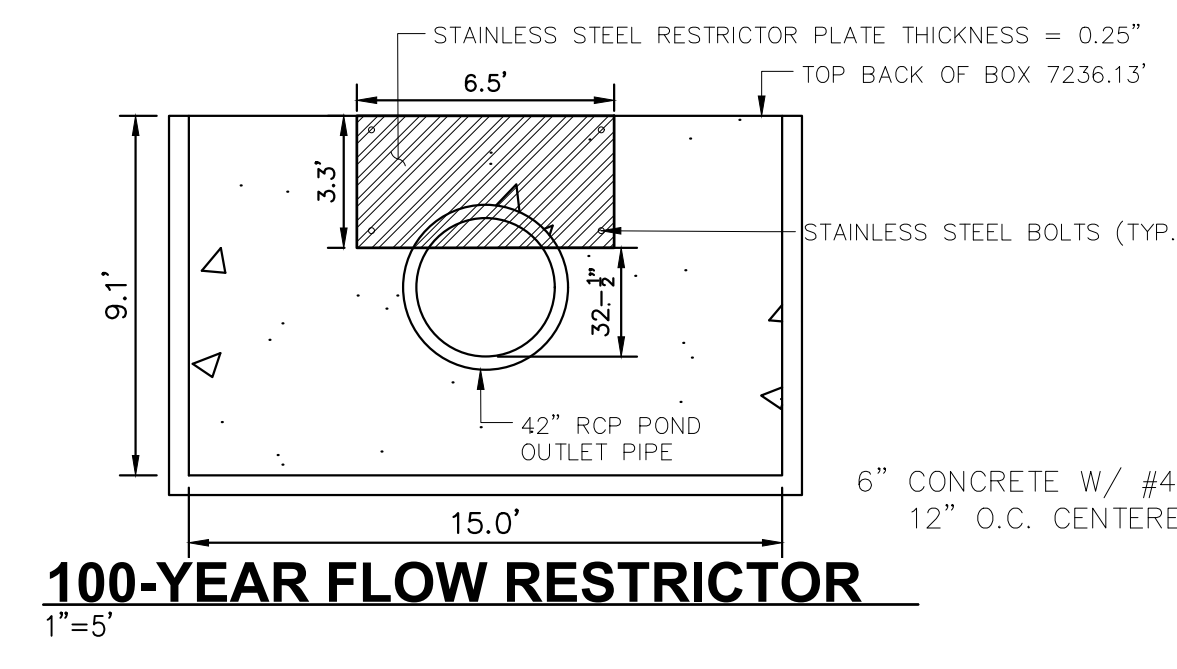
CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987

CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

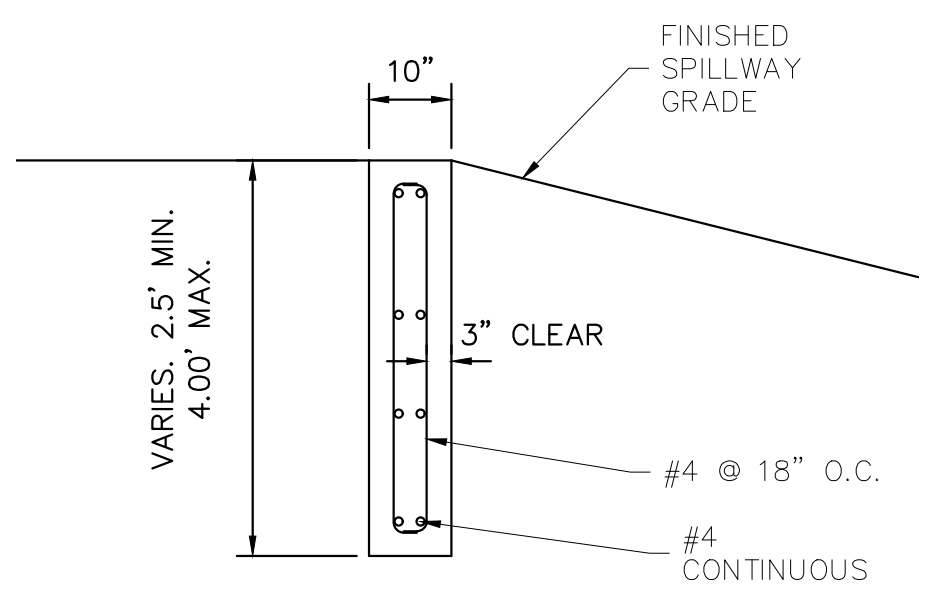


ORIFICE PLATE AND TRASH RACK DETAIL
1"=2"

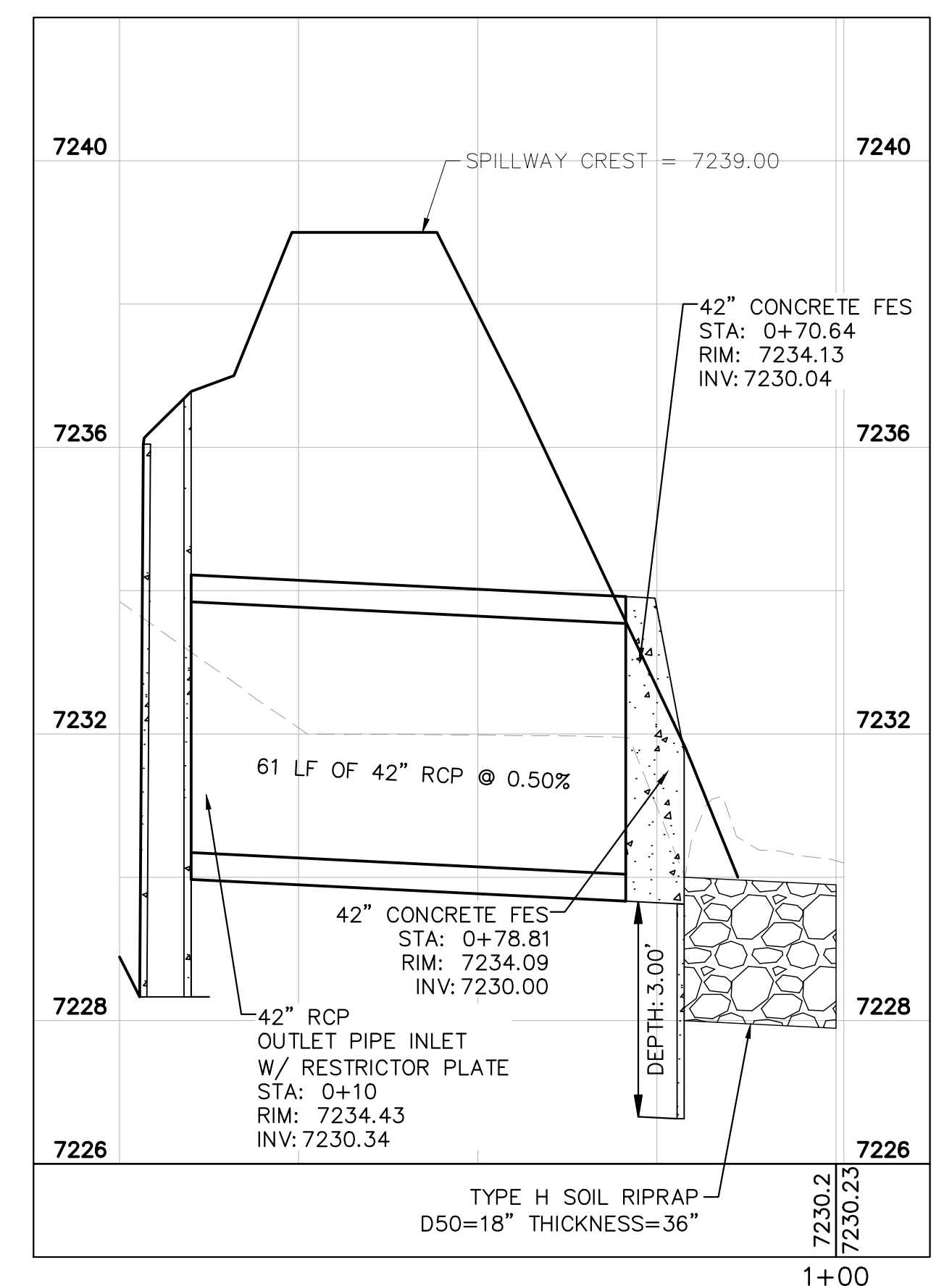
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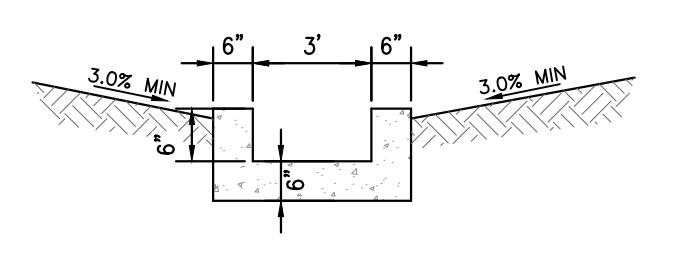
100-YEAR FLOW RESTRICTOR
1"=5"



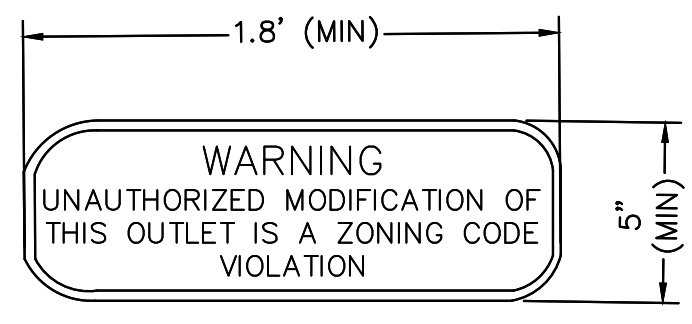
SECTION CREST WALL DETAIL
1"=2"



POND #3 OUTFALL PROFILE
1"=20"



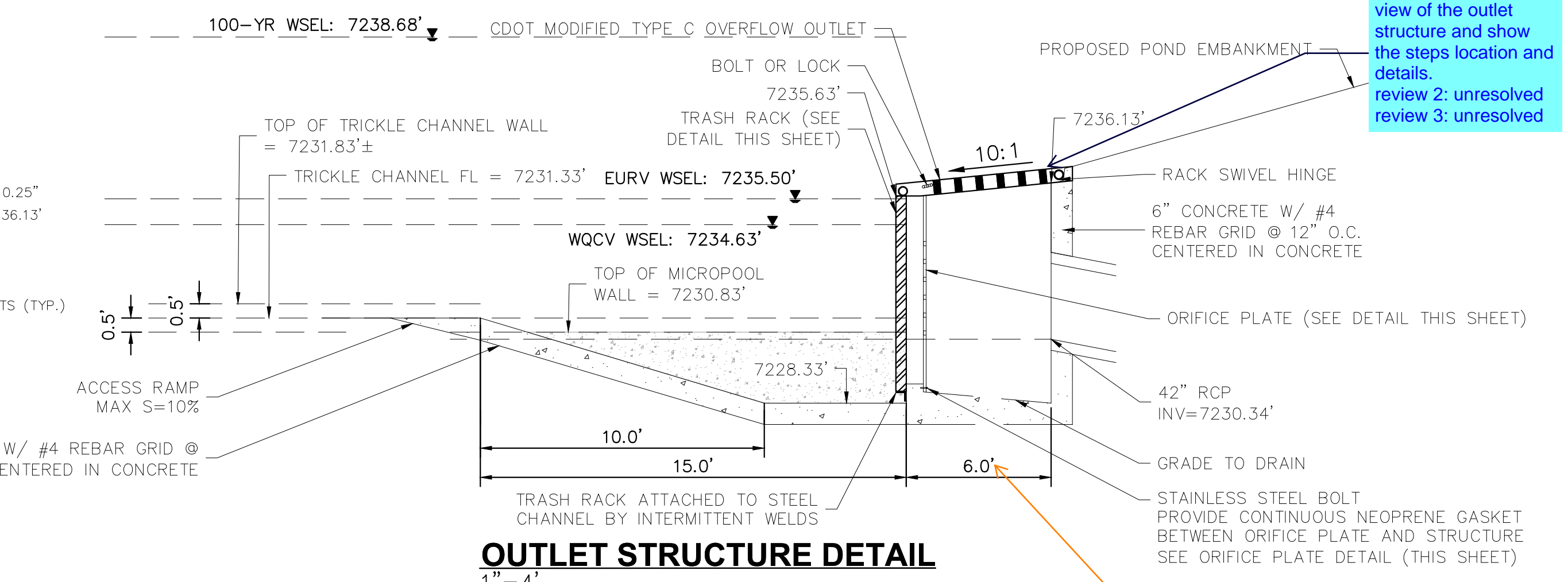
CONCRETE TRICKLE CHANNEL
1"=5"



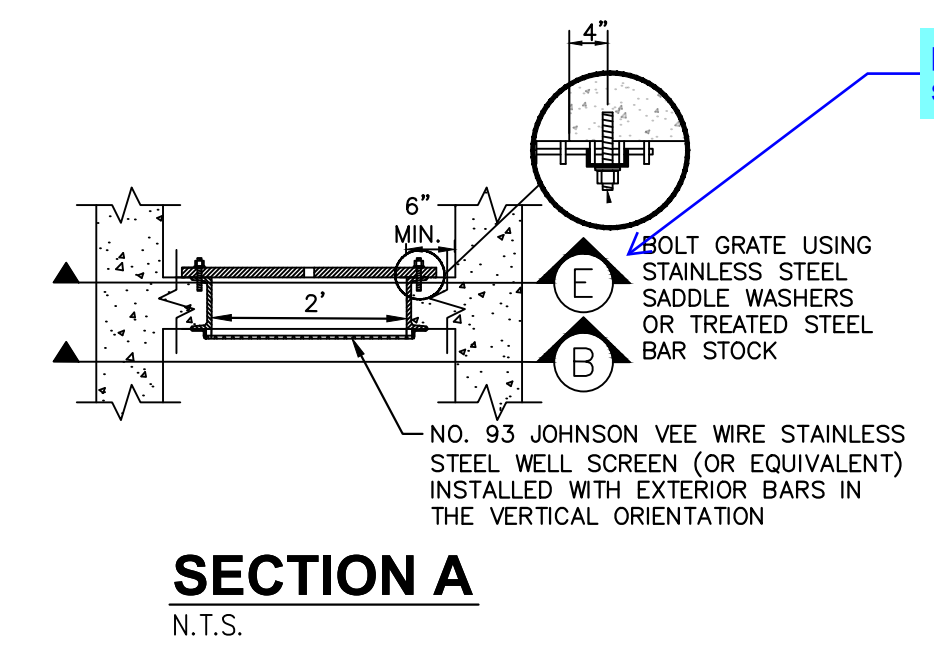
OUTLET SIGNAGE
N.T.S.

OUTLET SIGNAGE NOTES

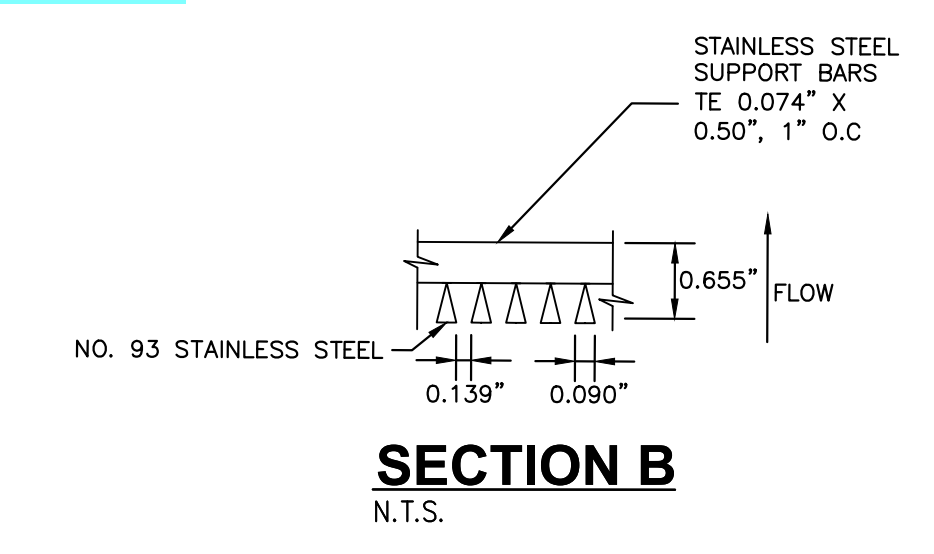
1. SIGN SHALL BE A MINIMUM OF 0.75 SQUARE FEET AND SHALL BE ATTACHED TO THE OUTLET OR POSTED NEARBY.



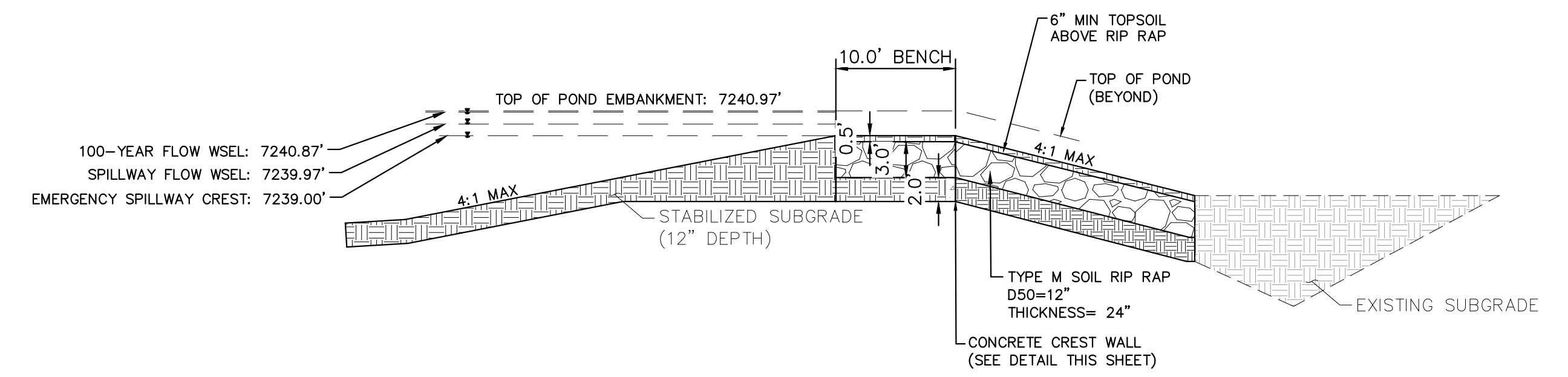
OUTLET STRUCTURE DETAIL
1"=4"



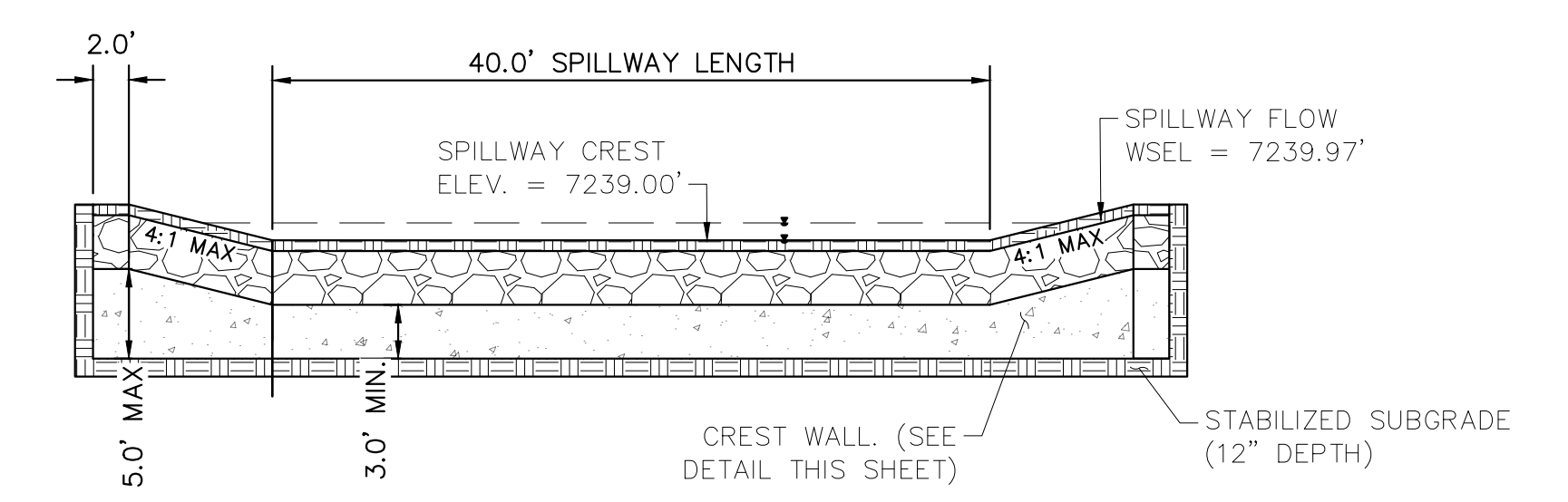
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N.T.S.



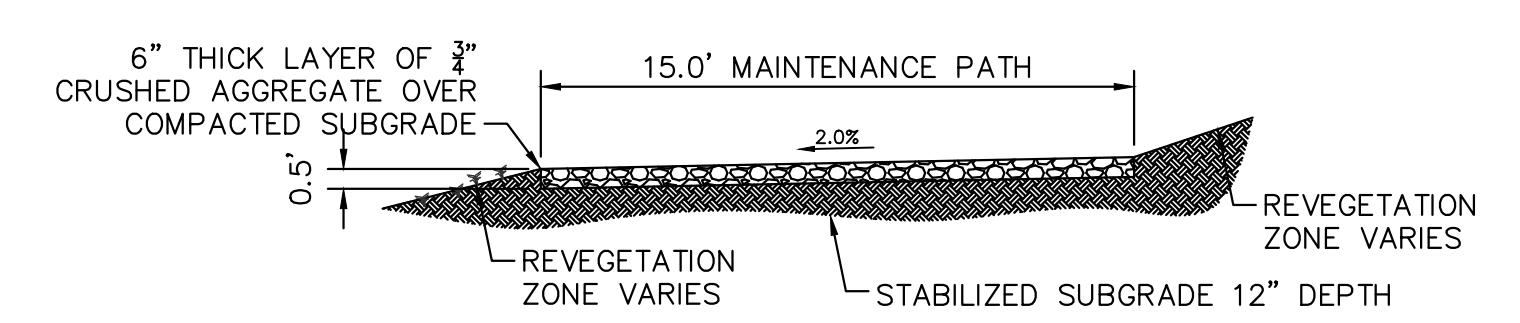
SECTION B
N.T.S.



EMERGENCY SPILLWAY DETAILS
1"=10"



EMERGENCY SPILLWAY
1"=10"



MAINTENANCE ROAD
1"=5"

- MAINTENANCE PATH NOTES**
1. MAINTENANCE PATH SHALL INCLUDE SUBGRADE PREPARATION, GRAVEL BASE, AND COMPACTION.

review 1: provide plan view of the outlet structure and show the steps location and details.
review 2: unresolved
review 3: unresolved

Shown as 5ft on MHFD-Detention calcs on page 433 of FDR. Revise to remove discrepancy or clarify that 5ft is an internal dimension and 6ft is an external dimension. It is not clear from this detail.

NO.	REVISION	BY	DATE	APPR

Kimley-Horn

2024 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KRK
DATE: 06/27/2024

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
POND 3 DETAILS

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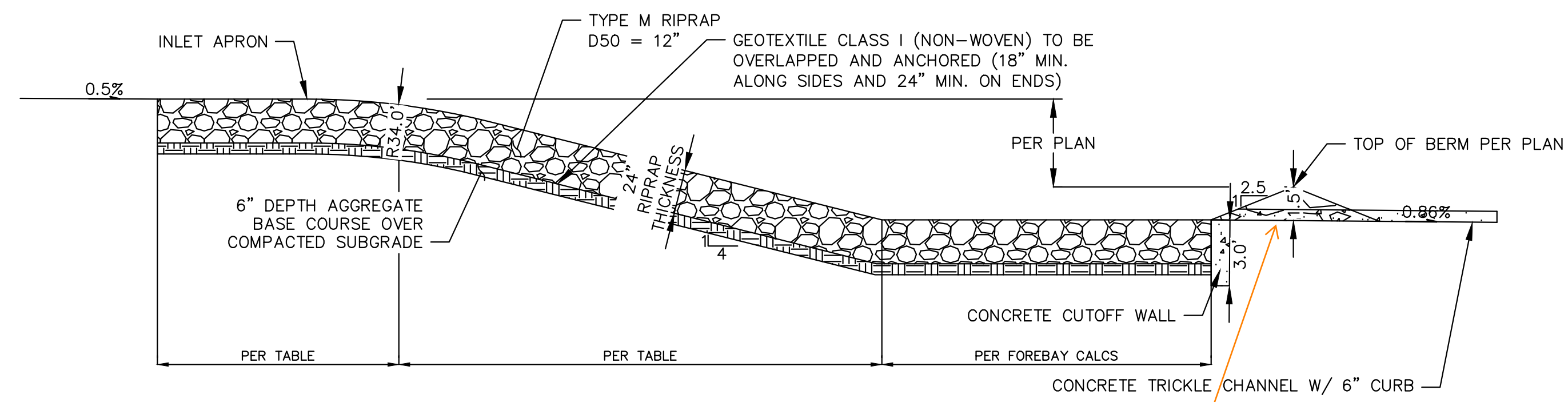
Kimley-Horn
Kimley-Horn and Associates, Inc.

PROJECT NO.
196106001

SHEET
C1.40

PCD FILE #: SF-22-42

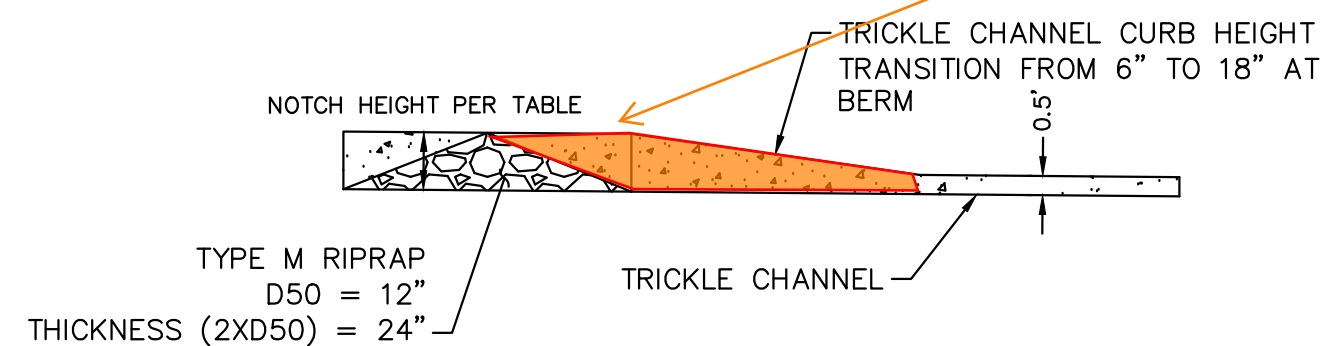
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ROCK CHUTE PROFILE - POND TRICKLE CHANNEL APPLICATION

1" = 5'

These details do not match, please revise to remove discrepancy.

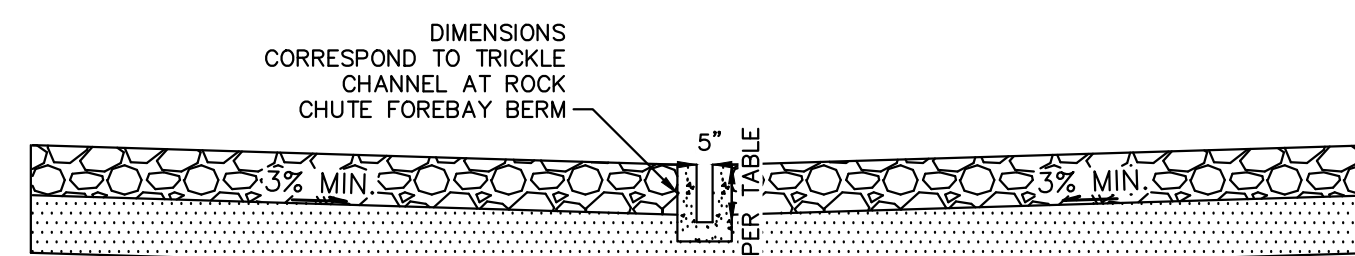


TRICKLE CHANNEL - PROFILE

1" = 5'

Adding a detail that shows the transition from forebay to trickle channel would be really helpful.

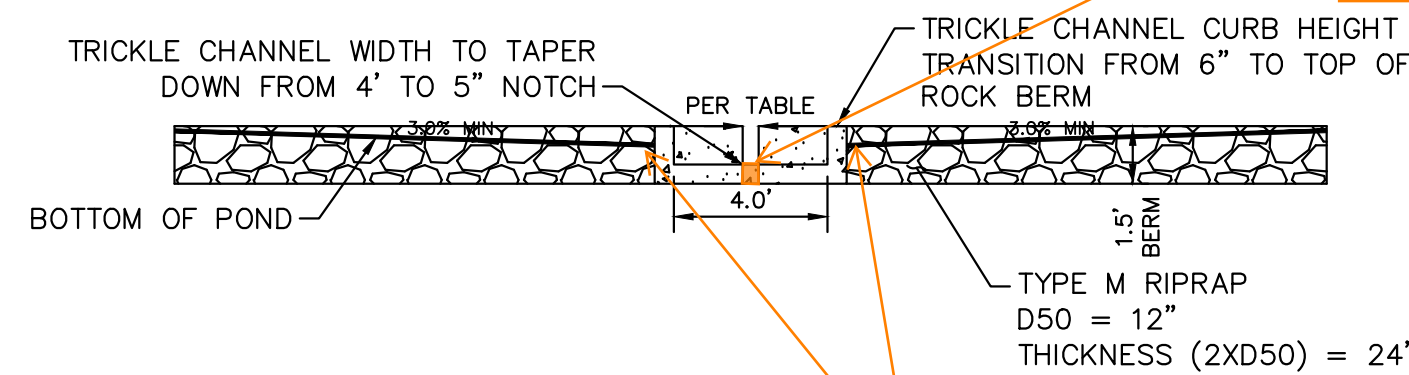
Also, it would help to add a note and/or linework that shows the pond bottom throughout each detail here.



TRICKLE CHANNEL - TYPICAL SECTION

1" = 5'

The bottom of the forebay notch should be at the same elevation as the flow line of the trickle channel. But this detail shows the notch extending down below the flowline of the TC, such that the forebay would hold water. Please revise.



ROCK CHUTE TYPICAL SECTION - FOREBAY BERM/TRICKLE CHANNEL

1" = 5'

Bottom of pond has to be graded to the top of the trickle channel. Doing so on this detail will still create a transition that needs to be shown more clearly (per my comments on the last review). Make sure that the area just downstream of the forebay berm does not hold water (ie: drains to the trickle channel)

Please add these labels so our inspectors do not have to cross reference to 3 different sheets to figure out which pond & forebay each chute corresponds to. Thanks.

- Pond 3, Forebay A
- Pond 3, Forebay B
- Pond 2, Forebay A
- Pond 1, Forebay B
- Pond 1, Forebay A

ROCK CHUTE & FOREBAY DETAILS														
Rock Chute ID	Rock Chute Location	Contributing Basins	Q100 Flow (cfs)	Upstream Inlet Apron Length (ft)	Drop (ft) (Inlet Apron to Outlet Apron)	Chute Length (ft)	Downstream Outlet Apron Length (ft)	Chute Width (ft)	D50 (in)	Rock Chute Thickness (in)	Rock Chute Depth* (ft)	Top Chute Width** (ft)	Notch Width (in)	Forebay Depth (ft)
1	PB8A	PB8A(60%), OB5	103	12	10	44	16	10	18	36	3.0	34	7.9	2
2	PB8A	PB8A (40%) OB8, PB11, PB14 (10%)	20	5	10	44	7	10	12	24	2.0	26	3.8	1.5
3	PB14	PB6, PB7, PB15(55%)	96	12	6	64	16	10	12	24	3.0	34	6.0	1.5
4	PB15	OB2, OB3, OB4, PB3, PB4, PB5, PB15 (10%)	43	6	5	24	13	14	12	24	2.0	30	4.5	1.5
5	PB15		185	14	4	20	23	18	24	48	3.5	46	8.8	1.5

NOTES:

1. ROCK CHUTE DEPTH ACCOUNTS FOR 1' OF FREEBOARD
2. ROCK CHUTE WIDTH ACCOUNTS FOR 1' OF FREEBOARD

NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
 DRAWN BY: MJK
 CHECKED BY: KRR
 DATE: 06/27/2024

EAGLEVIEW
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
ROCK CHUTE DETAILS

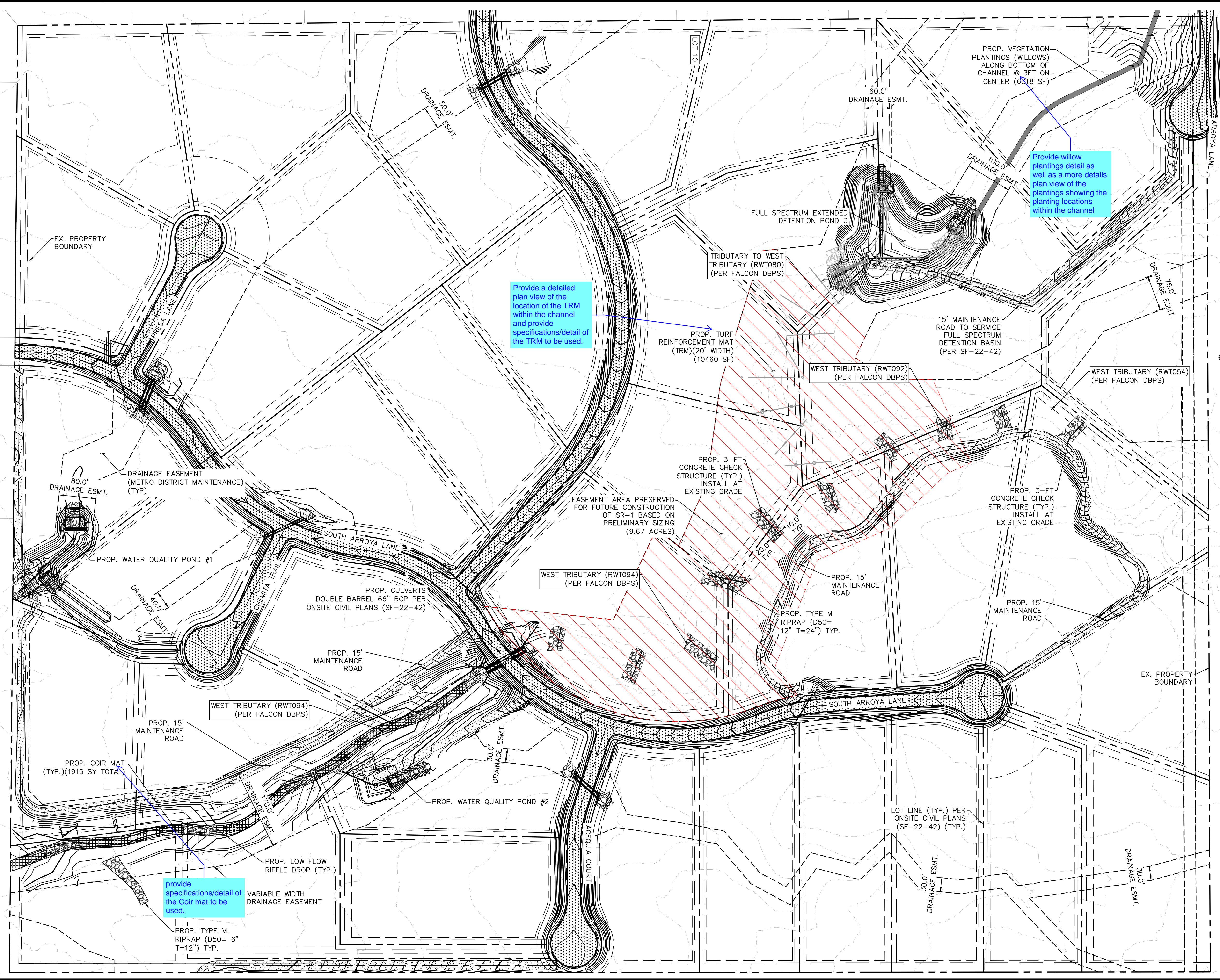
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PROJECT NO.
 196106001

SHEET

C1.41

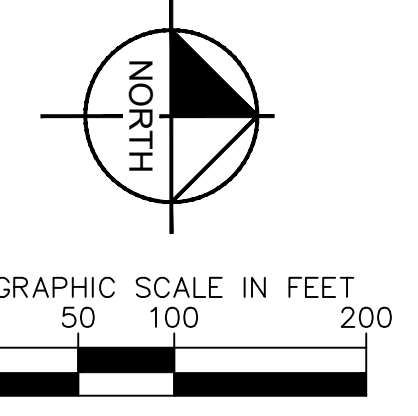
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Provide a detailed plan view of the location of the TRM within the channel and provide specifications/detail of the TRM to be used.

Provide willow plantings detail as well as a more details plan view of the plantings showing the planting locations within the channel

provide specifications/detail of the Coir mat to be used.



LEGEND

- EXISTING PROPERTY BOUNDARY
- - - - - EXISTING MAJOR CONTOUR
- - - - - EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED RIPRAP
- PROPOSED STORM PIPE
- STORM PIPE PER ONSITE CIVIL PLANS
- PROP. DBPS AMENDMENT CONCRETE CHECK STRUCTURES
- PRESERVED AREA FOR FUTURE CONSTRUCTION OF SUB REGIONAL POND (SR1)
- PROP. COIR MAT

NOTES:

1. PROPOSED CONCRETE CHECK STRUCTURES SHALL SPAN THE WIDTH OF THE LOW FLOW CHANNEL AND EXTEND 10-FT INTO EACH BANK.
2. ADDITIONAL EROSION CONTROL MEASURES TO BE IMPLEMENTED AS NECESSARY BASED ON THE RESULTS OF DETAILED CHANNEL ANALYSIS WHICH WILL BE COMPLETED AS A PART OF FINAL DESIGN.

review 2: please identify what additional measures will be needed.
Review 3: Unresolved. Please indicate what additional measures are necessary as this is the final design

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2 North Nevada Avenue Suite 900
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DESIGNED BY: DCM
DRAWN BY: DCM
CHECKED BY: BAH
DATE: 5/28/2024

EAGLEVIEW
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CONSTRUCTION DOCUMENTS
OVERALL DRAINAGE IMPROVEMENTS

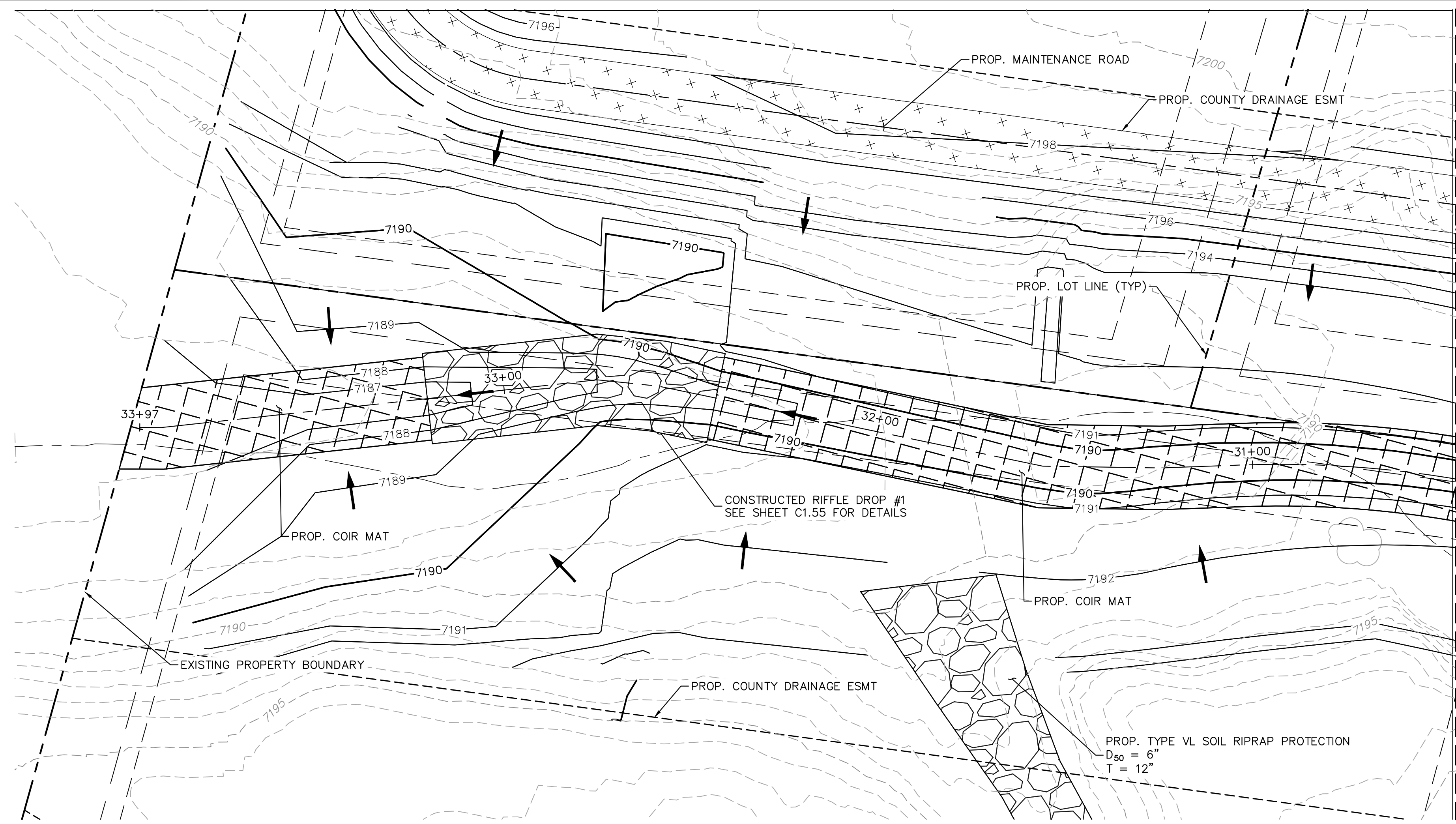
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PROJECT NO.
196288000

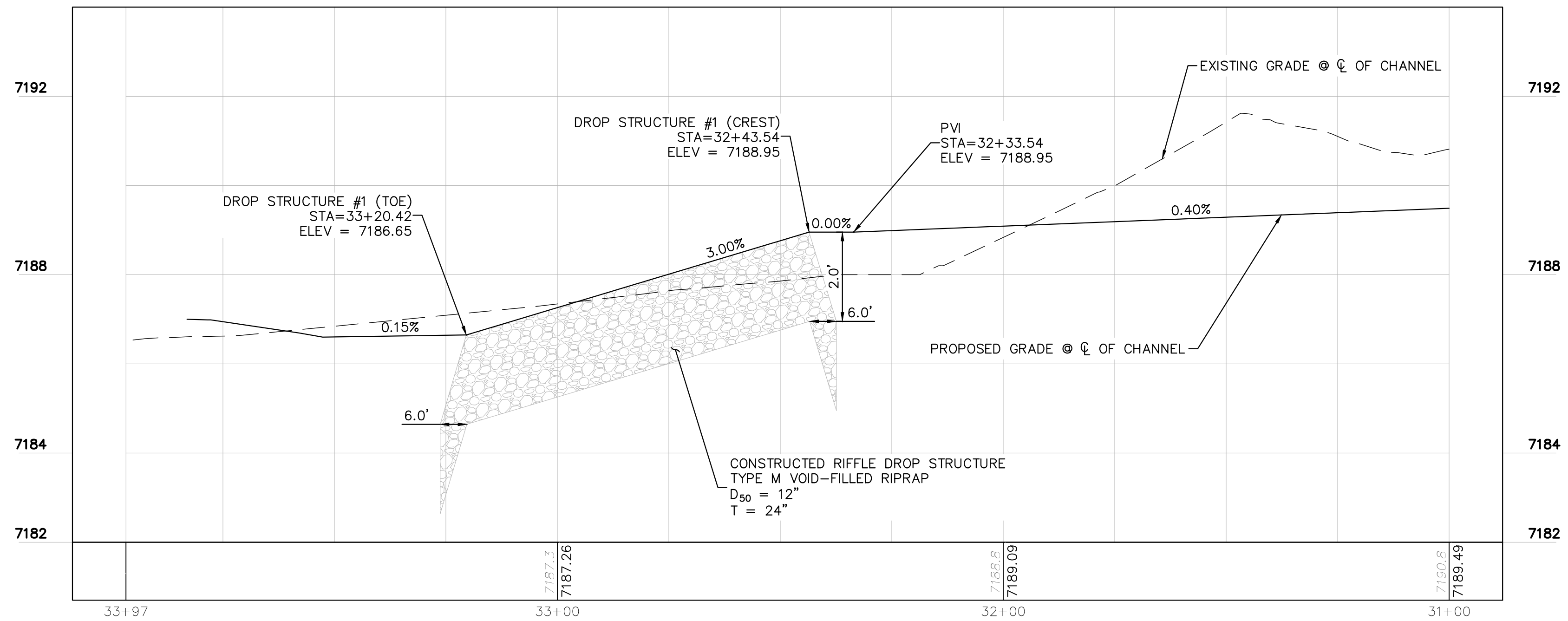
SHEET
C1.42

NO.	REVISION	BY	DATE	APPR.

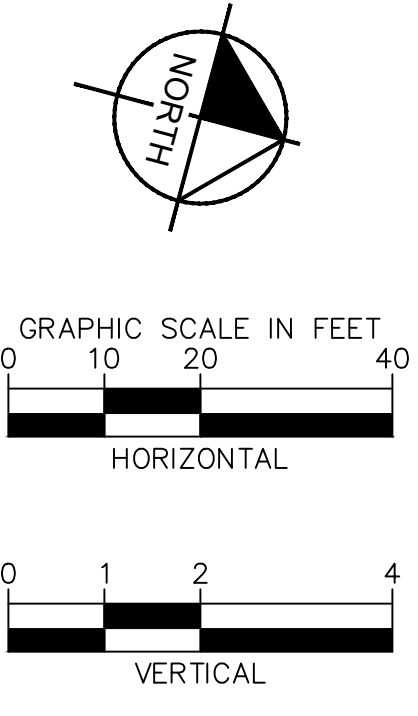
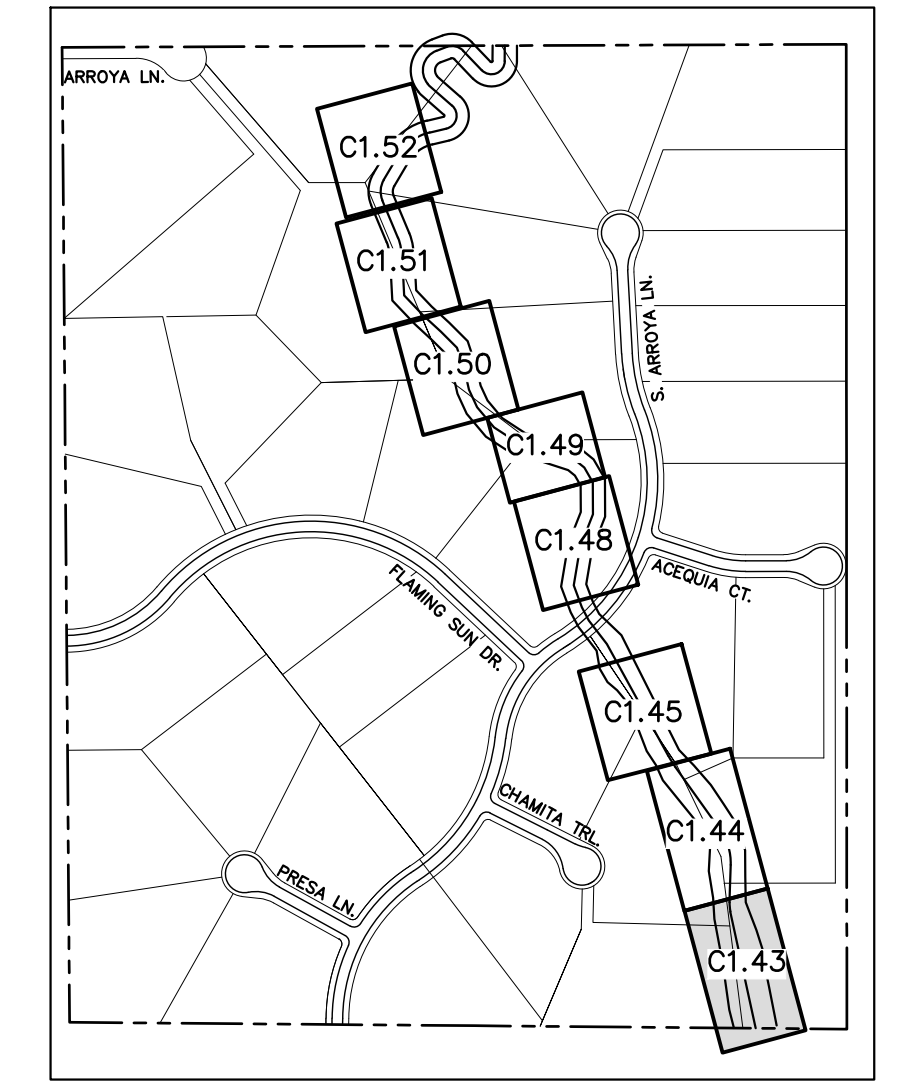
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PLAN VIEW - SOUTH CHANNEL (STA:33+50-30+50)
RWT094 ~ STA: 377+00



PROFILE VIEW - SOUTH CHANNEL (STA: 34+00-31+50)
RWT094 ~ STA: 377+00



NOTES:
1. CHANNEL INVERT SHOWN IN PROFILE VIEW IS THE ELEVATION OF THE LOW FLOW CHANNEL.

review 2 comment: please also provide a typical cross sections of the channel RWT094
review 3: unresolved.

811 Know what's below. Call before you dig.

CALL UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

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2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KKK
DATE: 04/04/2024

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
SOUTH CHANNEL PLAN & PROFILE

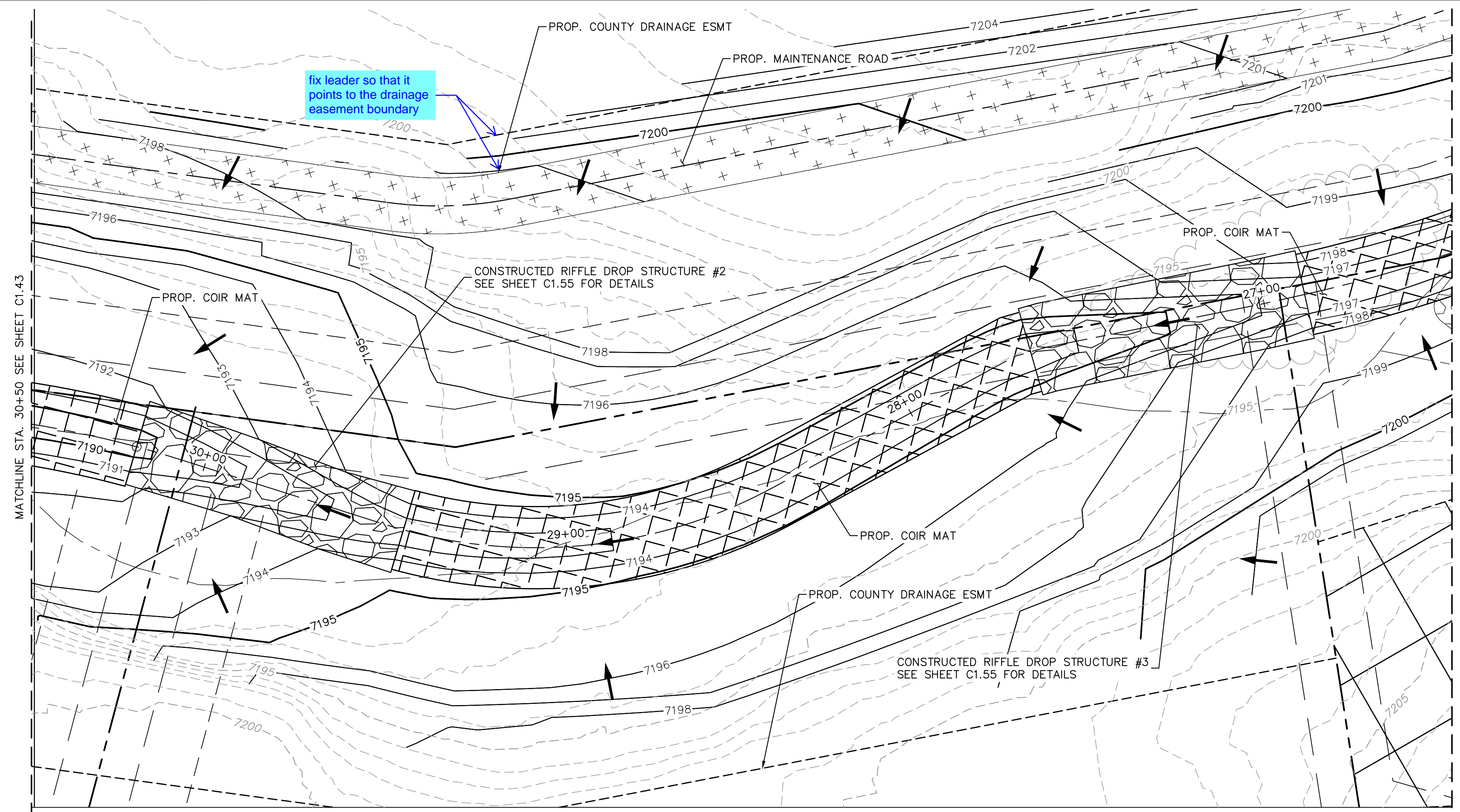
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196106001

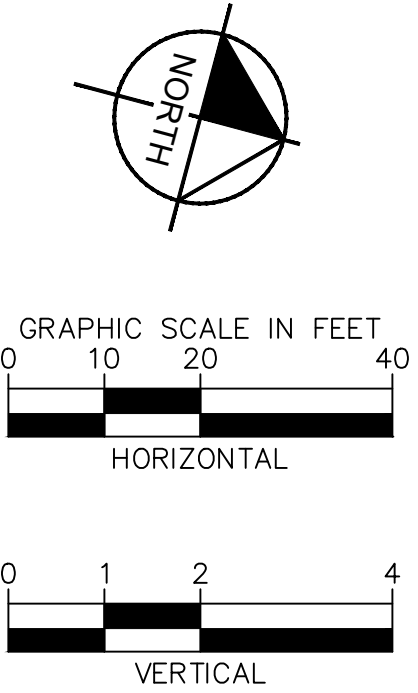
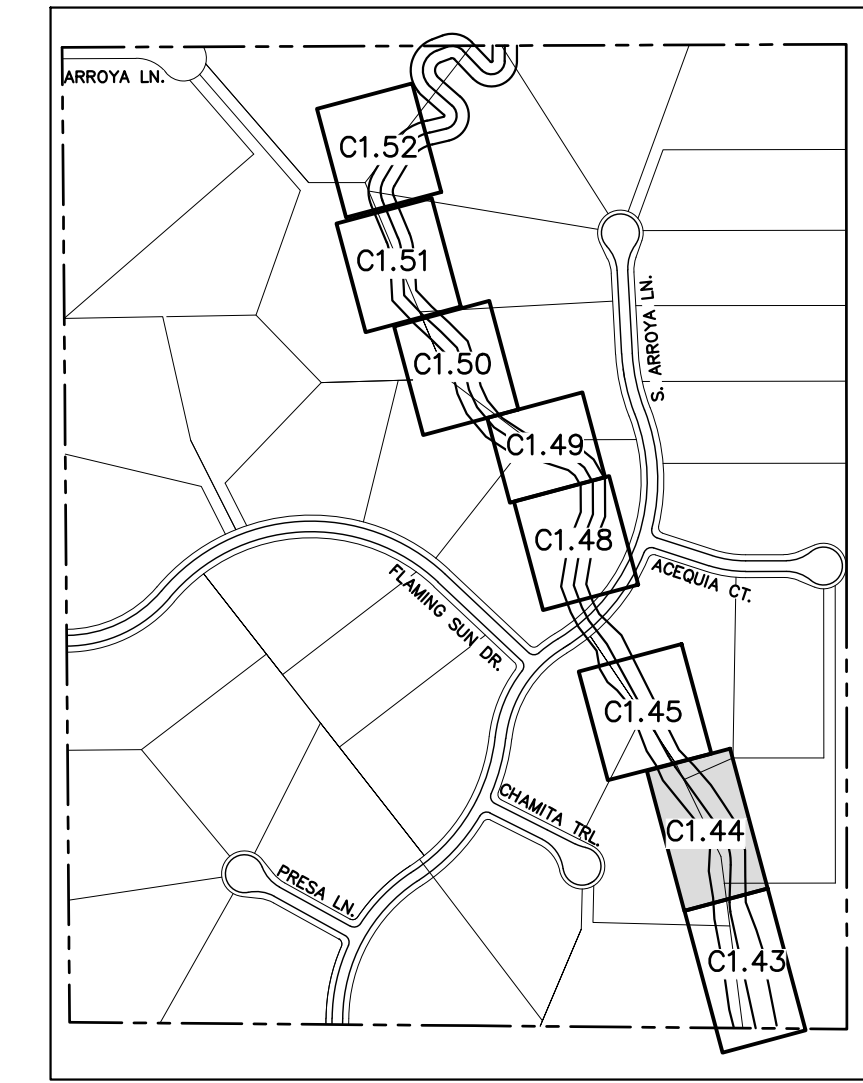
SHEET
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NO.	REVISION	BY	DATE	APPR.

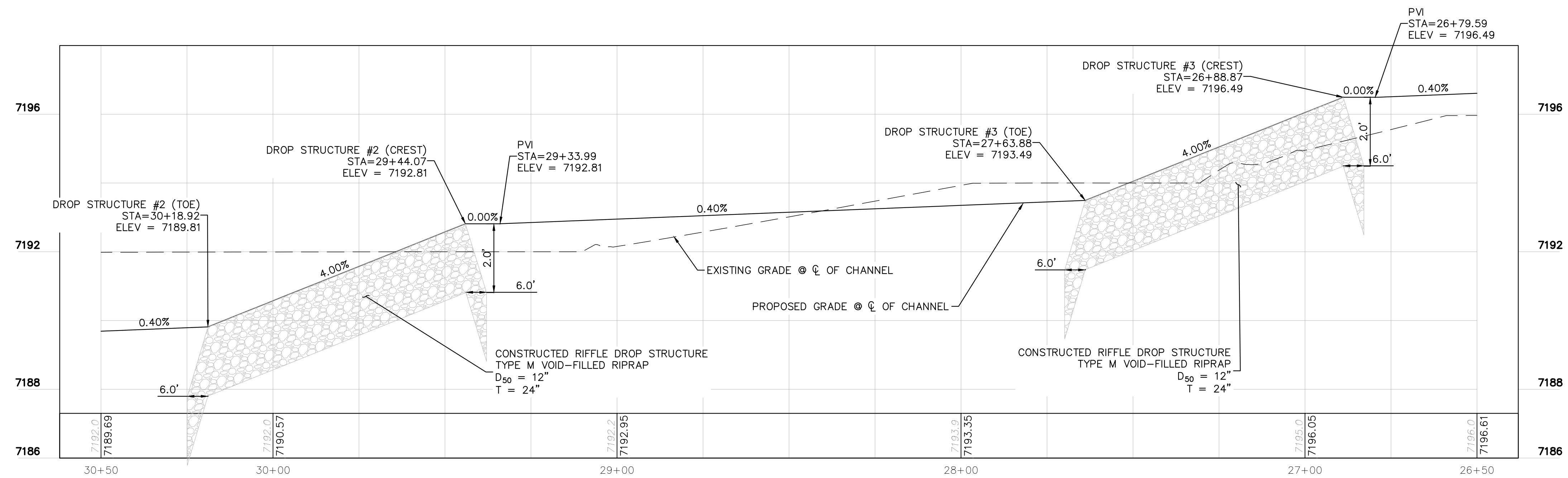
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PLAN VIEW - SOUTH CHANNEL (STA: 30+50-26+50)
RWT094 ~ STA: 382+00



NOTES:
1. CHANNEL INVERT SHOWN IN PROFILE VIEW IS THE ELEVATION OF THE LOW FLOW CHANNEL.



PROFILE VIEW - SOUTH CHANNEL (STA: 30+50-26+50)
RWT094 ~ STA: 382+00

NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
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2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KKK
DATE: 04/04/2024

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
SOUTH CHANNEL PLAN & PROFILE

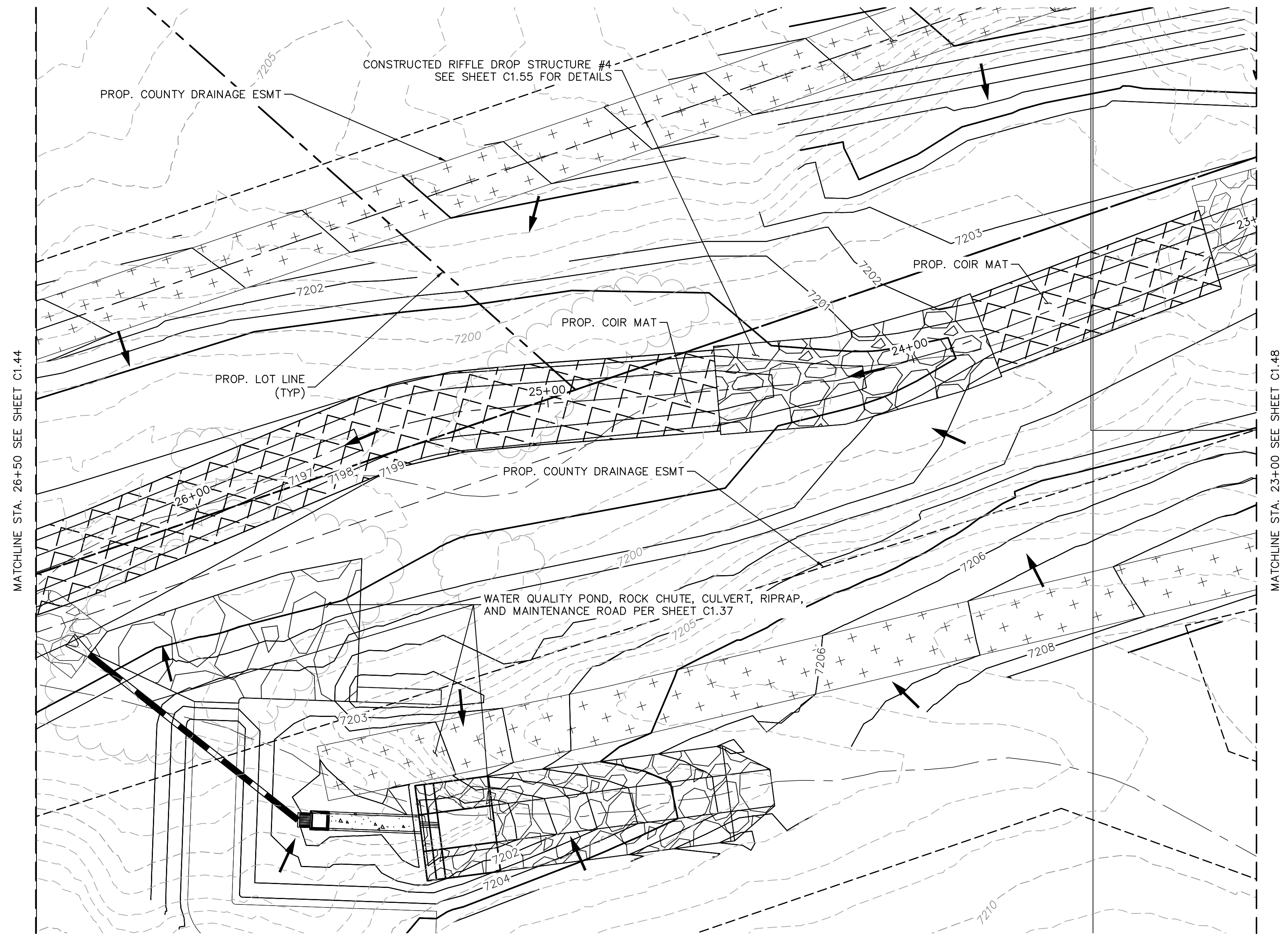
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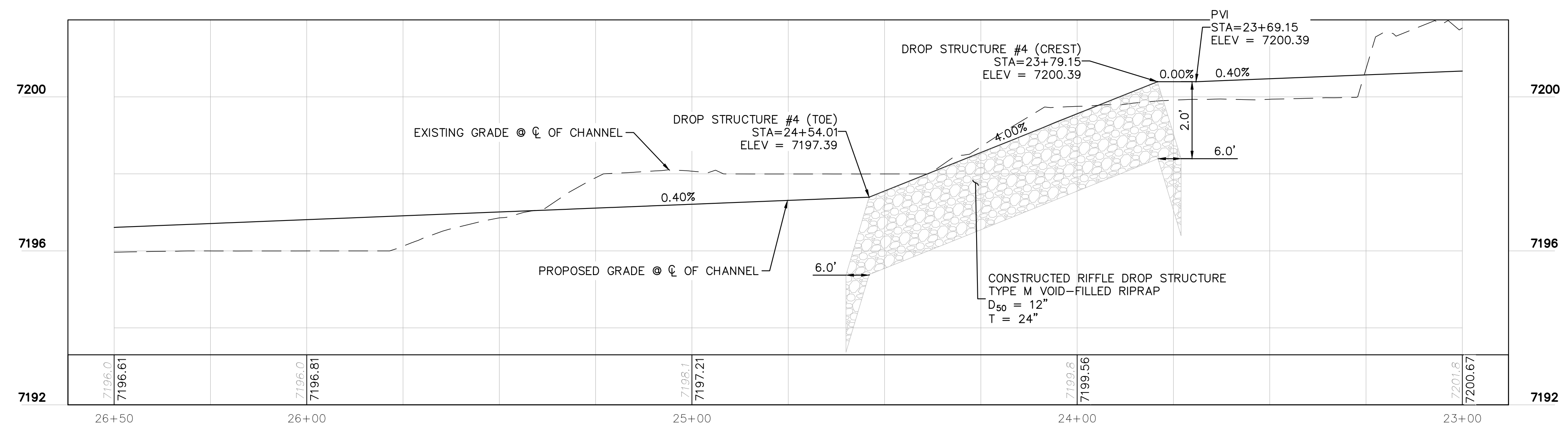
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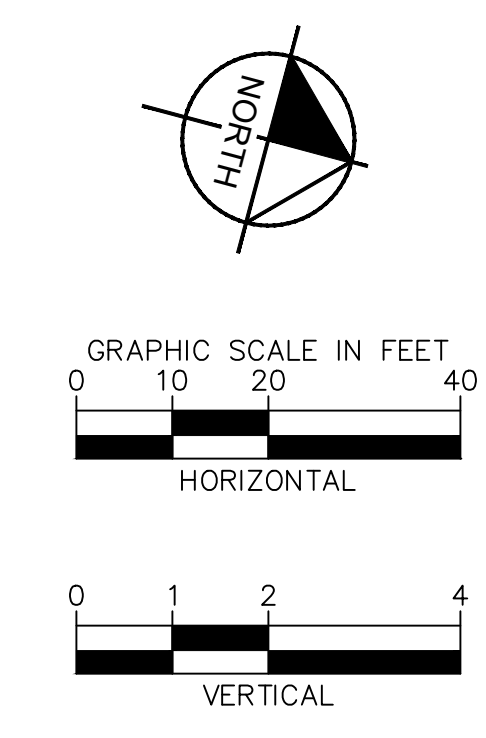
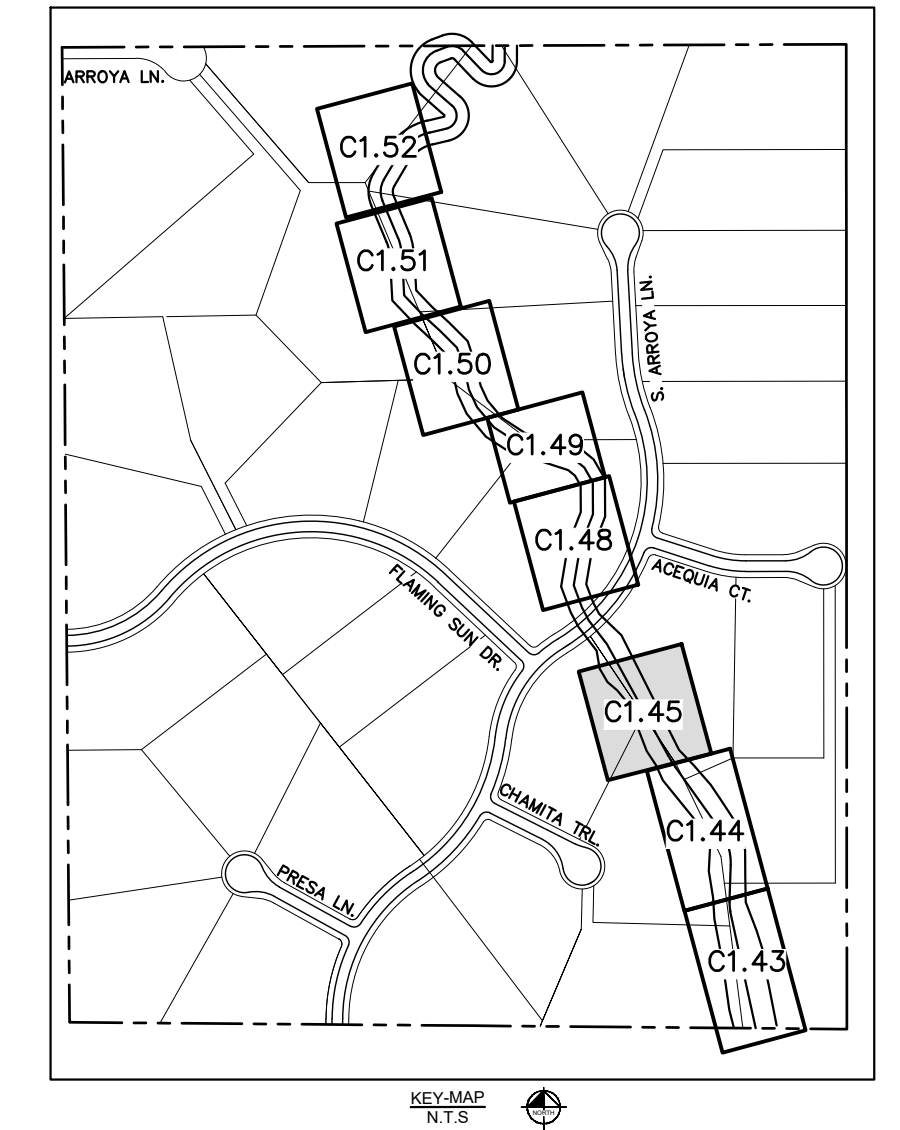
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PLAN VIEW - SOUTH CHANNEL (STA: 26+50-23+00)
RWT094 ~ STA: 386+00



PROFILE VIEW - SOUTH CHANNEL (STA: 26+50-23+00)
RWT094 ~ STA: 386+00



NOTES:
1. CHANNEL INVERT SHOWN IN PROFILE VIEW IS THE ELEVATION OF THE LOW FLOW CHANNEL.

811 Know what's below. Call before you dig.

CALL UTILITY NOTIFICATION CENTER OF COLORADO
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CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

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2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KKK
DATE: 04/04/2024

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
SOUTH CHANNEL PLAN & PROFILE

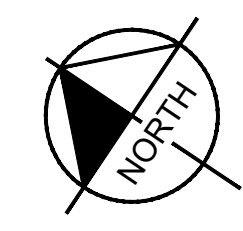
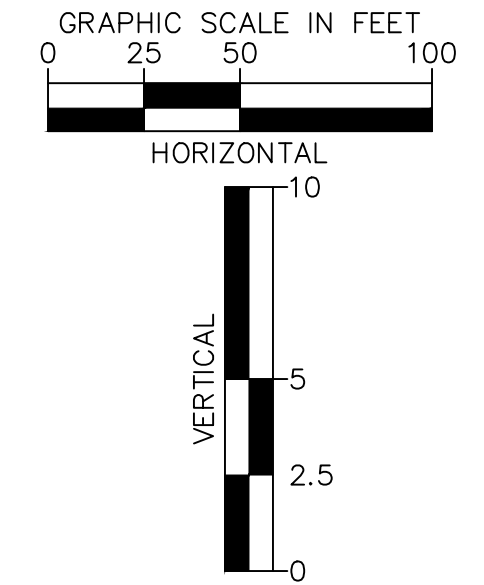
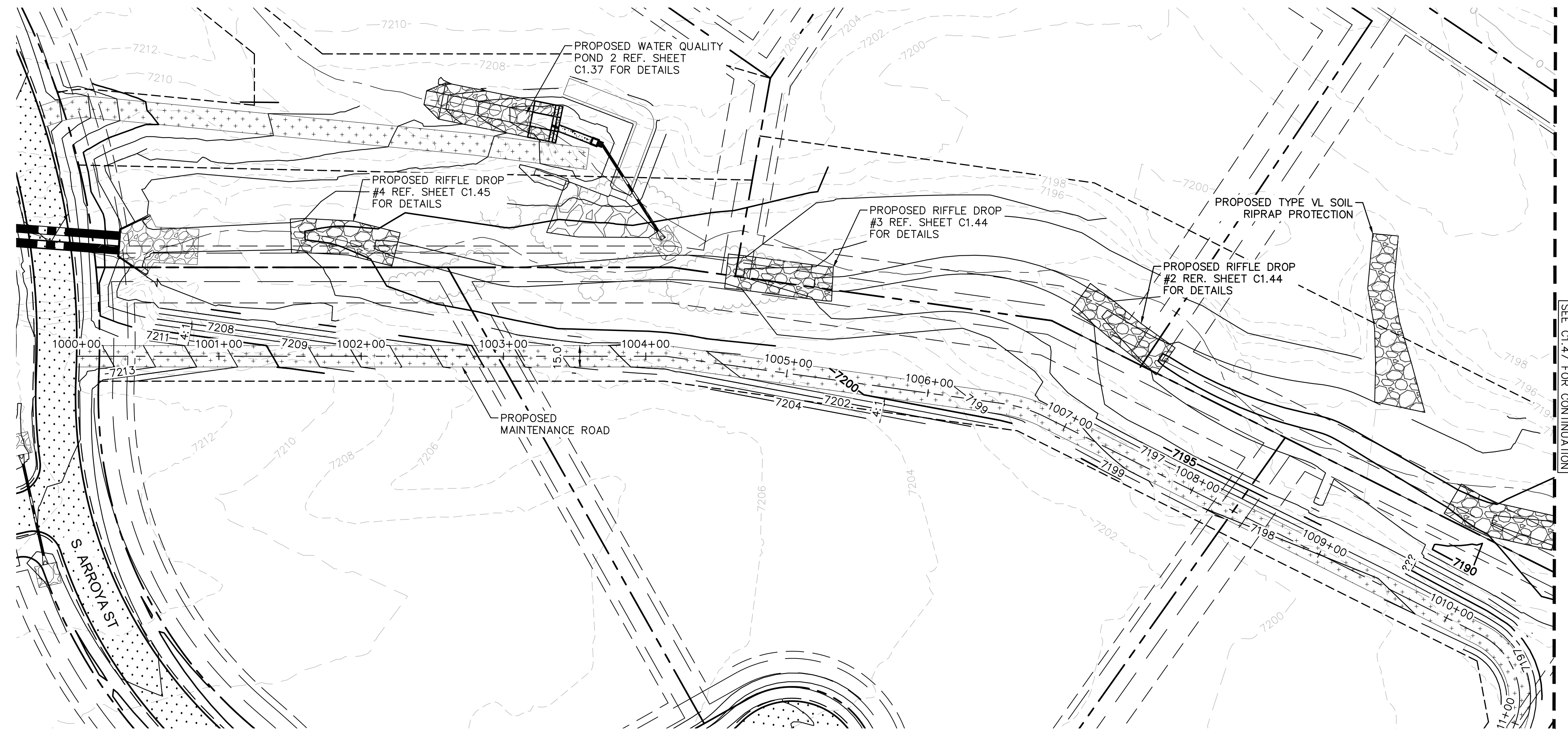
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PROJECT NO.
196106001

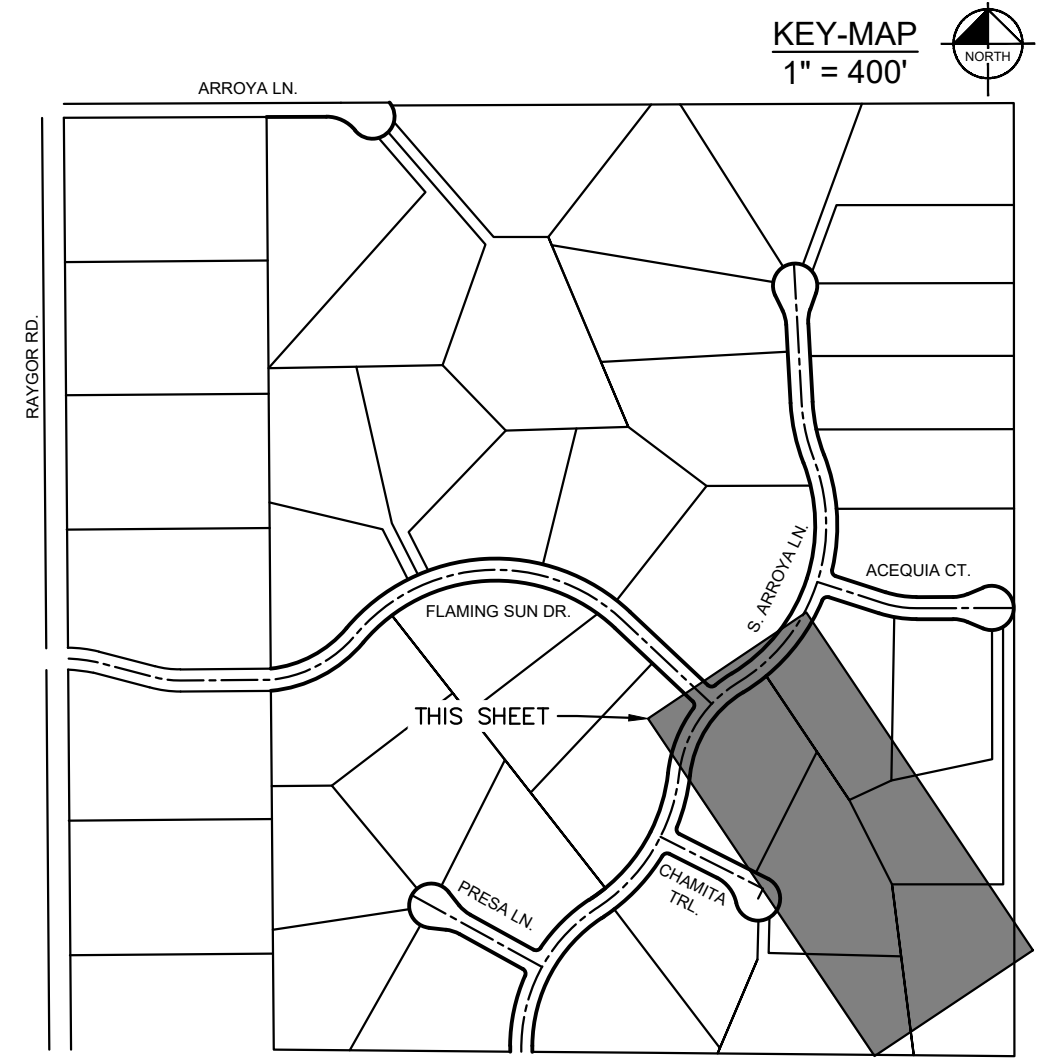
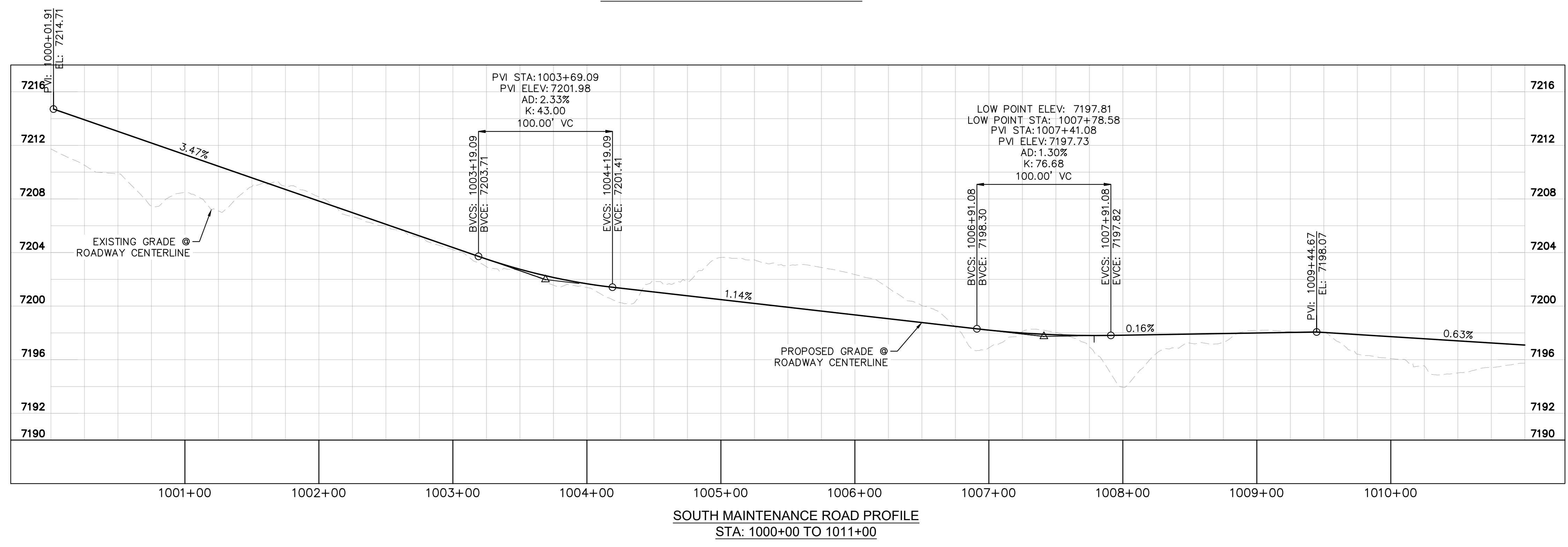
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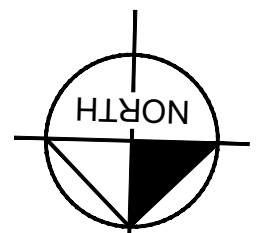
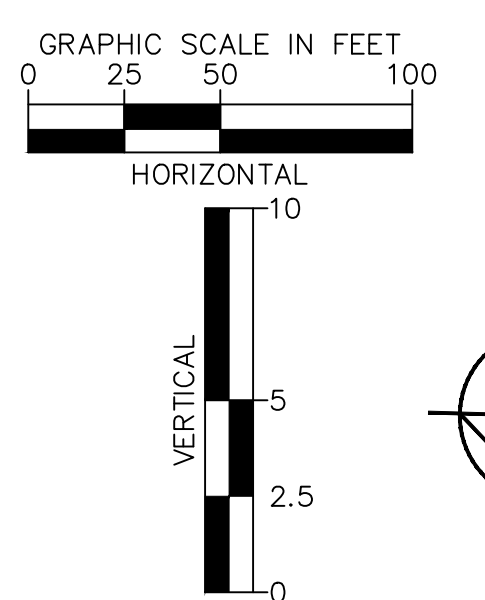
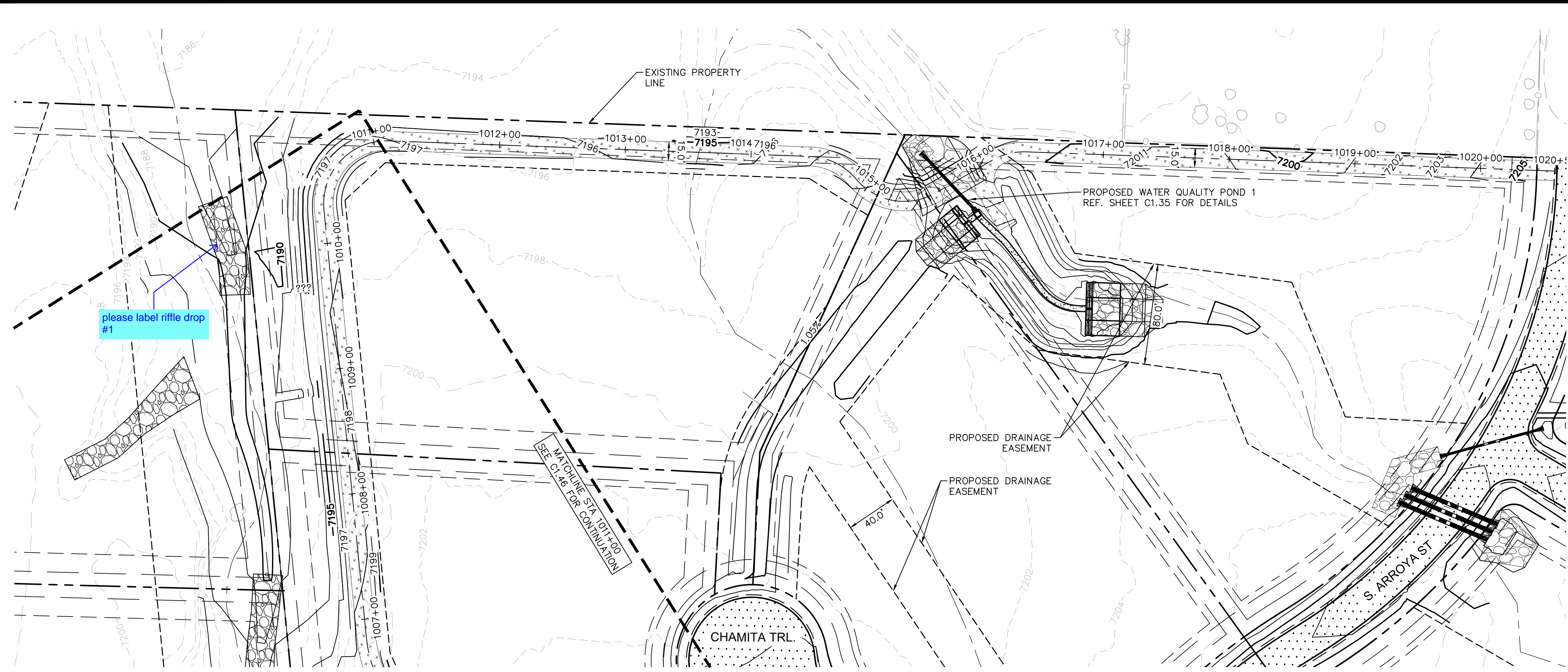


- LEGEND**
- PROPERTY/LOT LINE
 - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT #
 - PROPOSED DRAINAGE EASEMENT
 - X X CROSS SECTION (SEE SHEET C1.1)
 - PROPOSED CULVERT
 - EXISTING CULVERT
 - 7XXX- EXISTING MAJOR CONTOUR
 - 7XXX- EXISTING MINOR CONTOUR
 - 7XXX PROPOSED MAJOR CONTOUR
 - 7XXX PROPOSED MINOR CONTOUR
 - PROPOSED EDGE OF PAVEMENT
 - PROPOSED EDGE OF SHOULDER



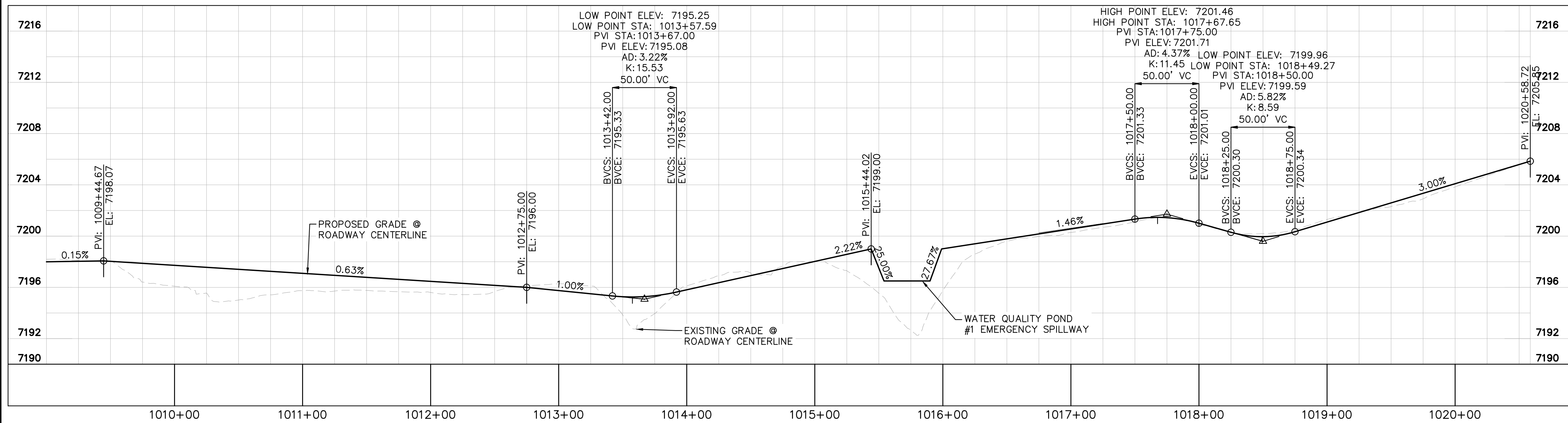
2024 KIMLEY-HORN AND ASSOCIATES, INC. 2 North Nevada Avenue Suite 900 Colorado Springs, Colorado 80903 (719) 453-0180	
DESIGNED BY: MJK	DATE: 06/27/2024
DRAWN BY: MJK	
CHECKED BY: KRK	
EAGLEVIEW EL PASO COUNTY, COLORADO CONSTRUCTION DOCUMENTS S. MAINTENANCE ROAD PLAN & PROFILE	
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PROJECT NO. 196106001	SHEET
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BY	DATE
APPR.	

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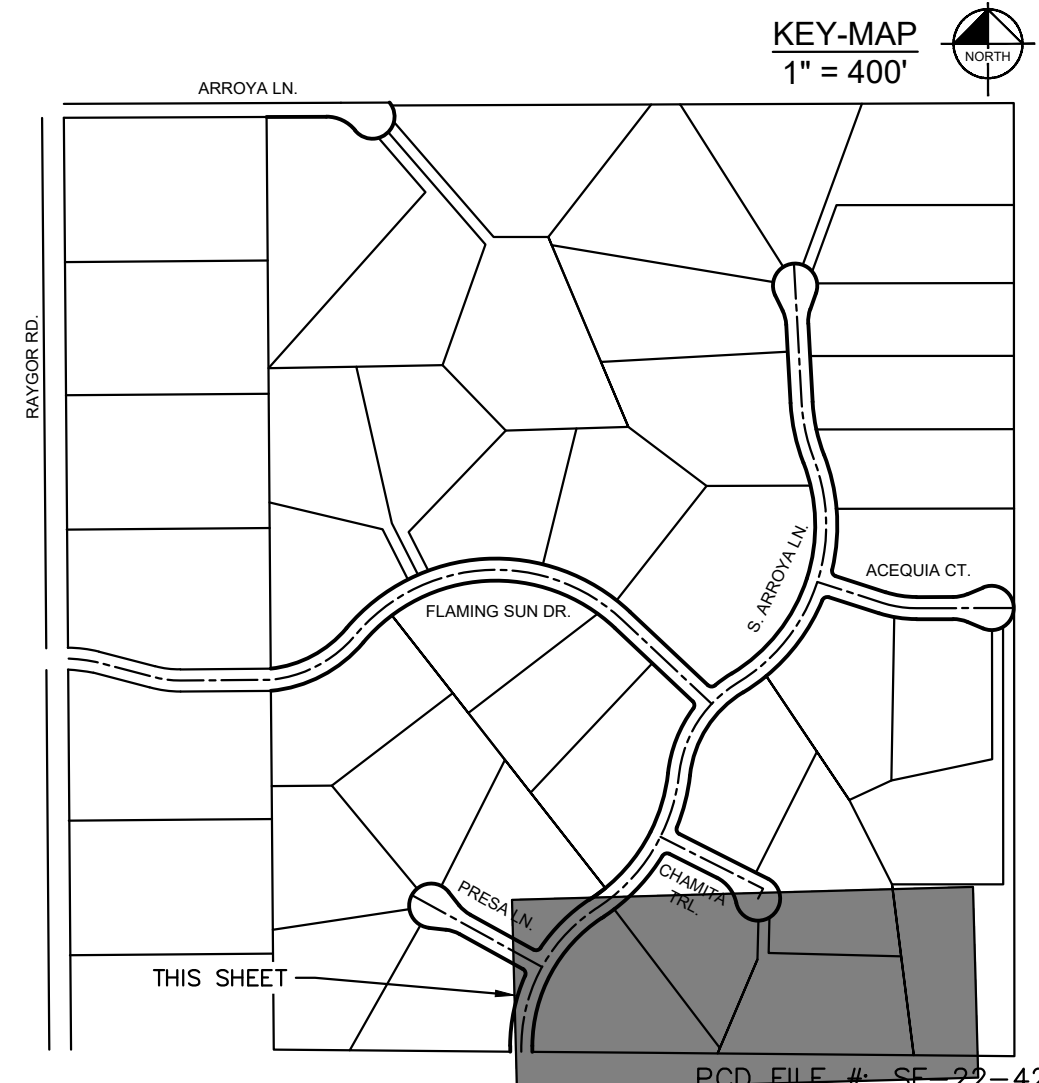


- LEGEND
- PROPERTY/LOT LINE
 - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT #
 - PROPOSED DRAINAGE EASEMENT
 - X X
 - PROPOSED CULVERT
 - EXISTING CULVERT
 - 7XXX- EXISTING MAJOR CONTOUR
 - 7XXX- EXISTING MINOR CONTOUR
 - 7XXX- PROPOSED MAJOR CONTOUR
 - 7XXX- PROPOSED MINOR CONTOUR
 - PROPOSED EDGE OF PAVEMENT
 - PROPOSED EDGE OF SHOULDER

SOUTH MAINTENANCE ROAD PLAN VIEW



SOUTH MAINTENANCE ROAD PROFILE
STA: 1011+00 TO 1020+59



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Kimley»Horn
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2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
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DATE: 06/27/2024

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S. MAINTENANCE ROAD PLAN & PROFILE

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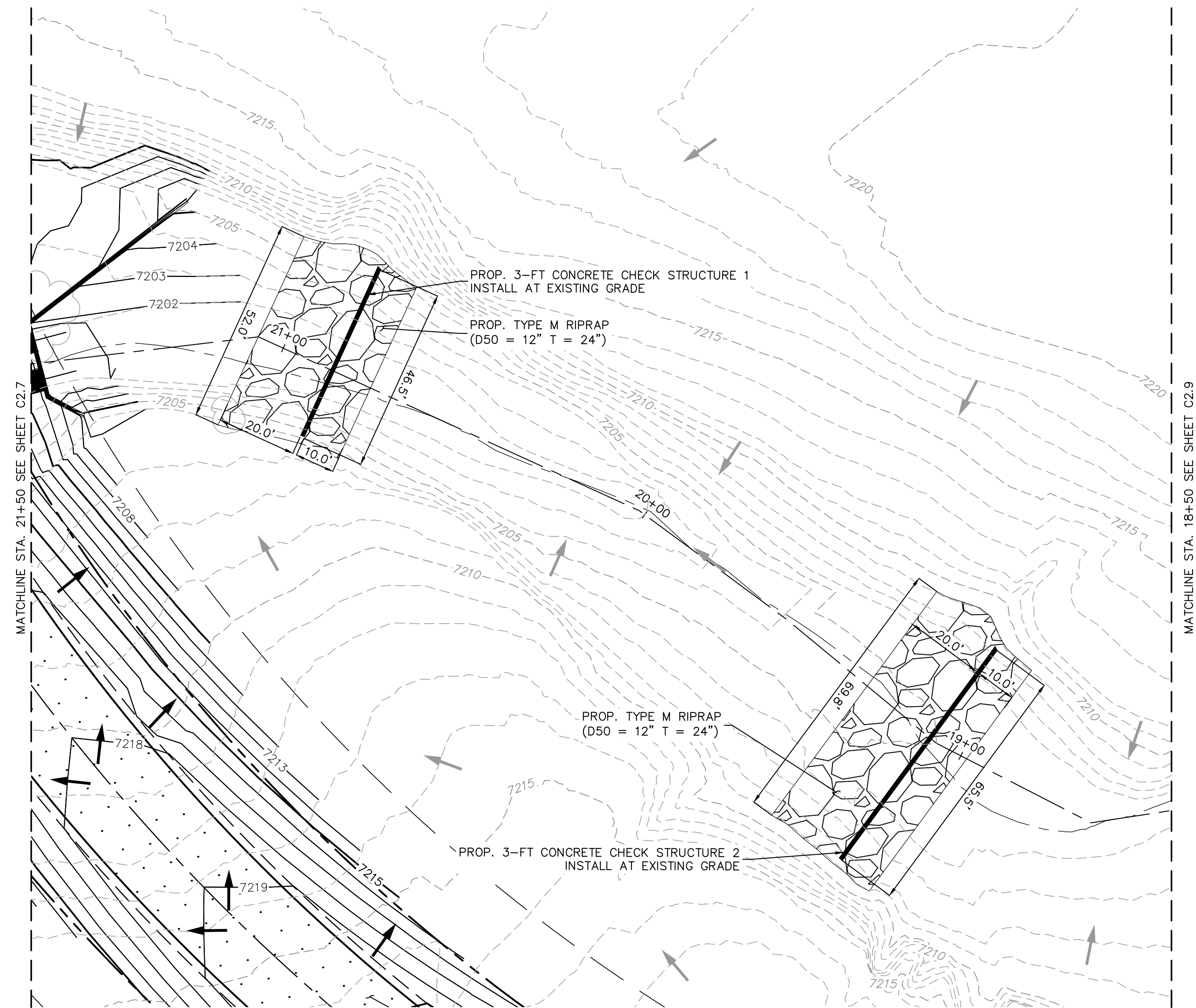
PROJECT NO.
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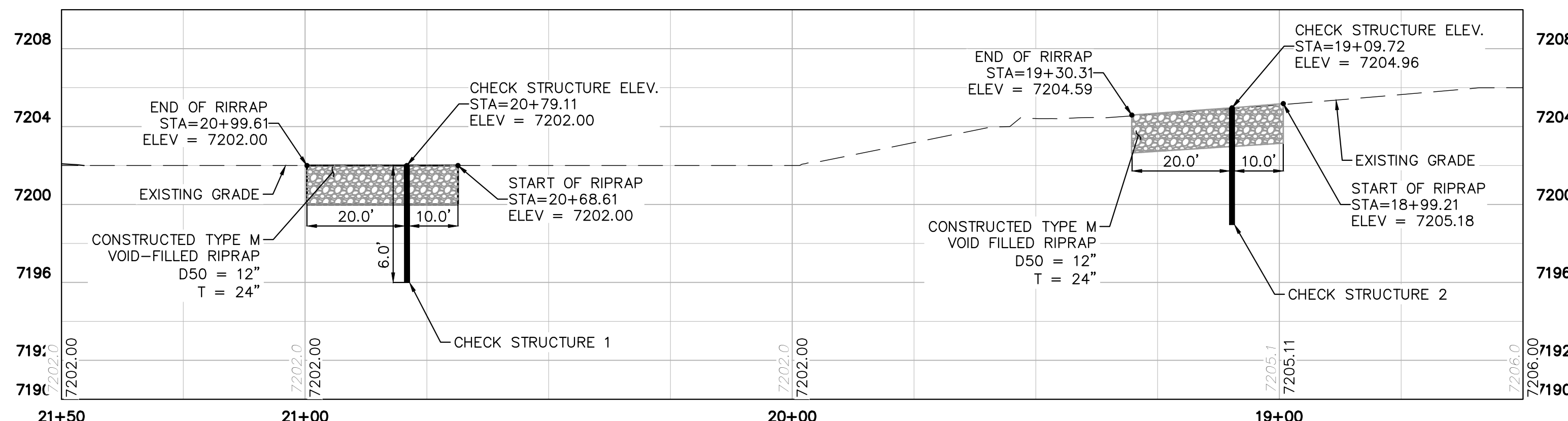
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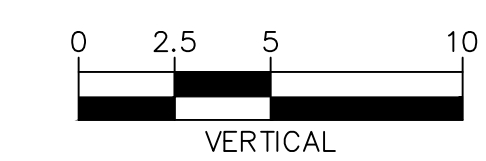
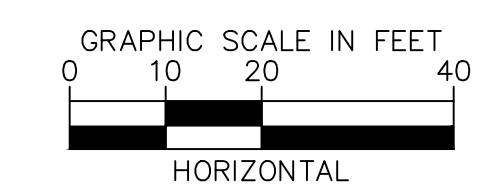
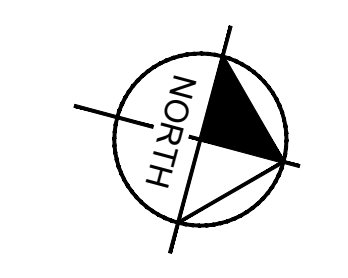
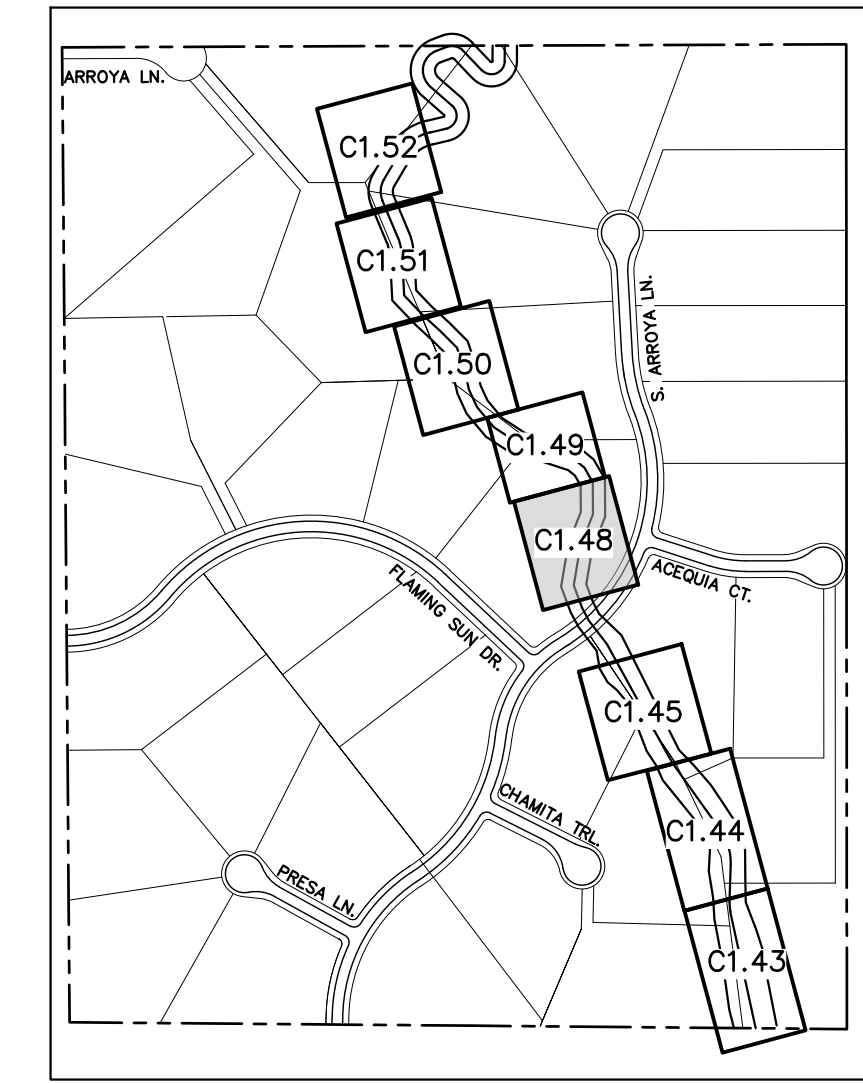
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PLAN VIEW - CONC. CHECK STRUCTURE 1 & 2 (STA: 21+50-18+50)
RWT094 ~ STA: 389+00



PROFILE VIEW - CONC. CHECK STRUCTURE 1 & 2 (STA: 21+50-18+50)
RWT094 ~ STA: 389+00



NOTES:
1. CHANNEL INVERT SHOWN IN PROFILE VIEW IS THE ELEVATION OF THE LOW FLOW CHANNEL.



CALL UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
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NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
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2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KKK
DATE: 04/04/2024

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
CHECK STRUCTURE PLAN & PROFILE

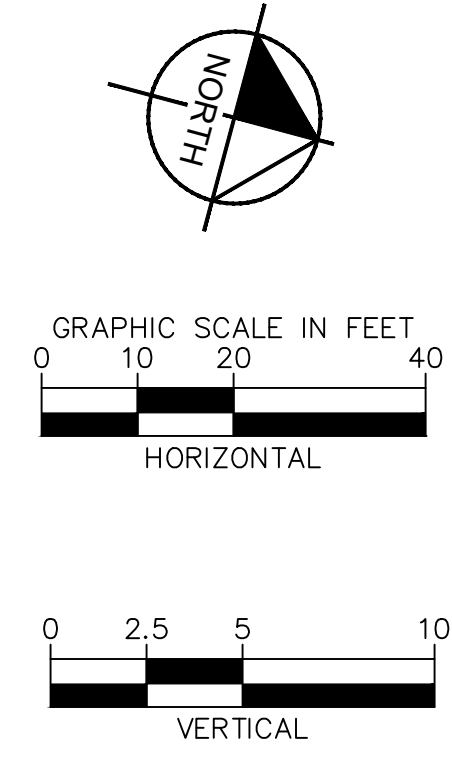
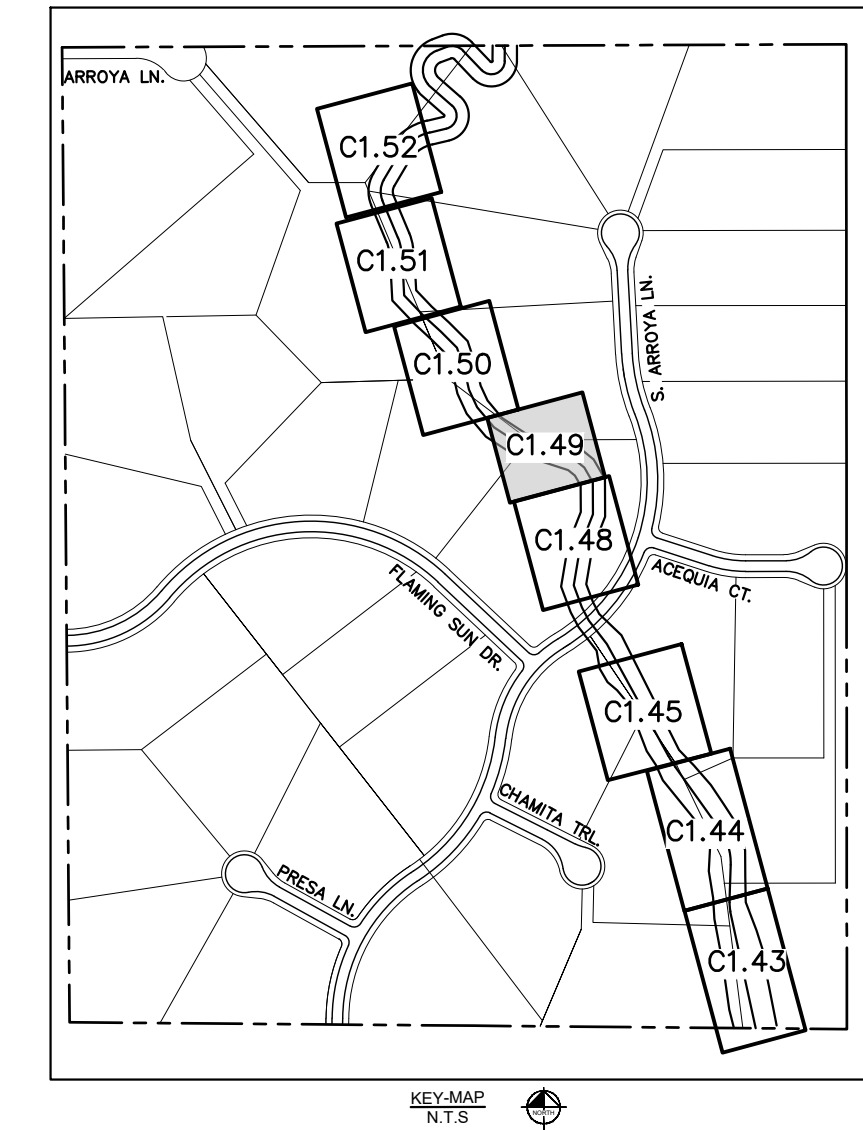
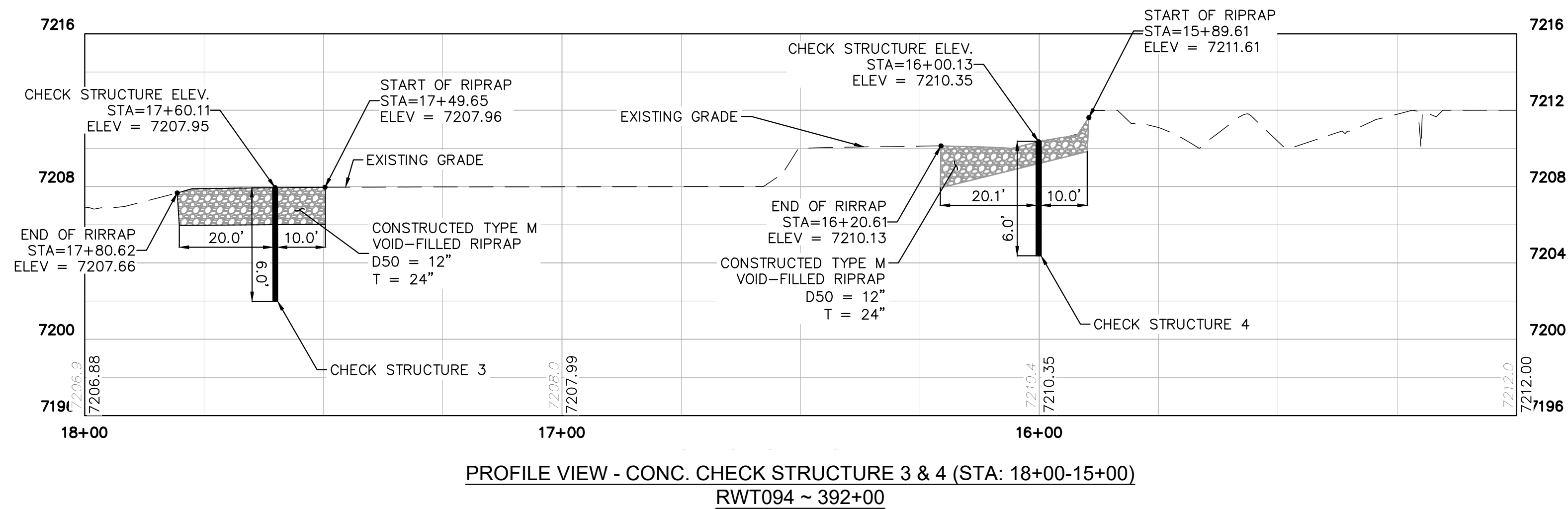
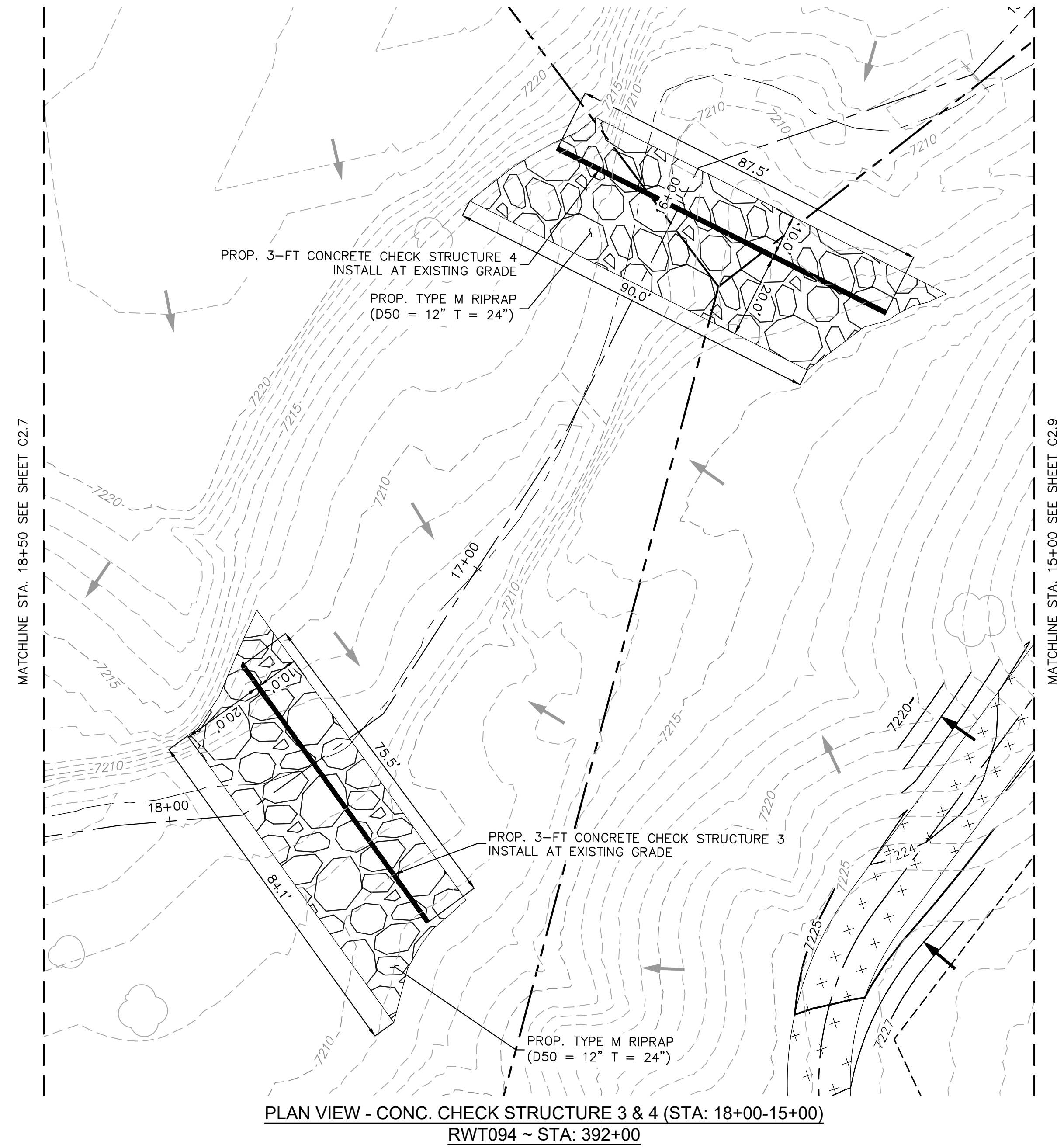
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PROJECT NO.
196106001

SHEET

C1.48

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NOTES:
 1. CHANNEL INVERT SHOWN IN PROFILE VIEW IS THE ELEVATION OF THE LOW FLOW CHANNEL.

NO.	REVISION	BY	DATE	APPR.

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 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
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DESIGNED BY: MJK
 DRAWN BY: MJK
 CHECKED BY: KKK
 DATE: 04/04/2024

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CHECK STRUCTURE PLAN & PROFILE

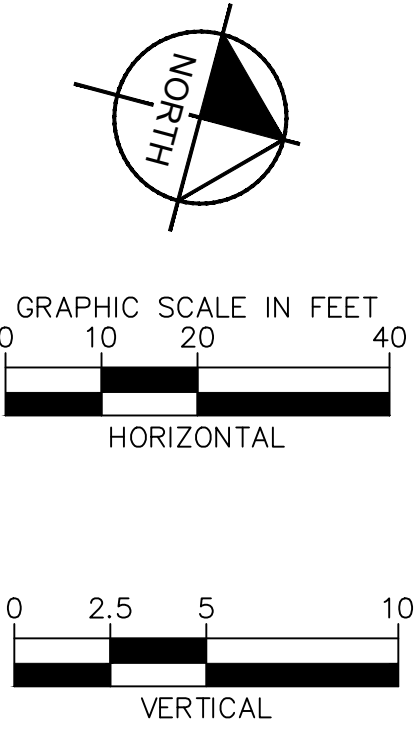
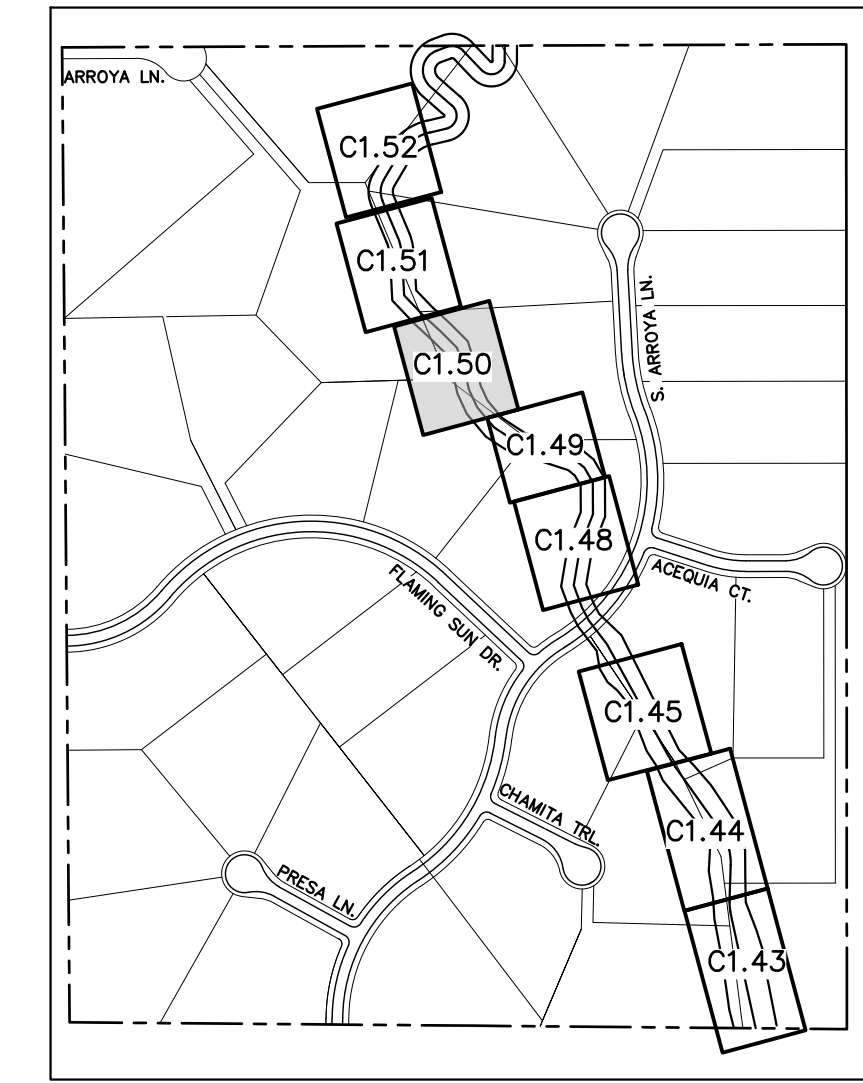
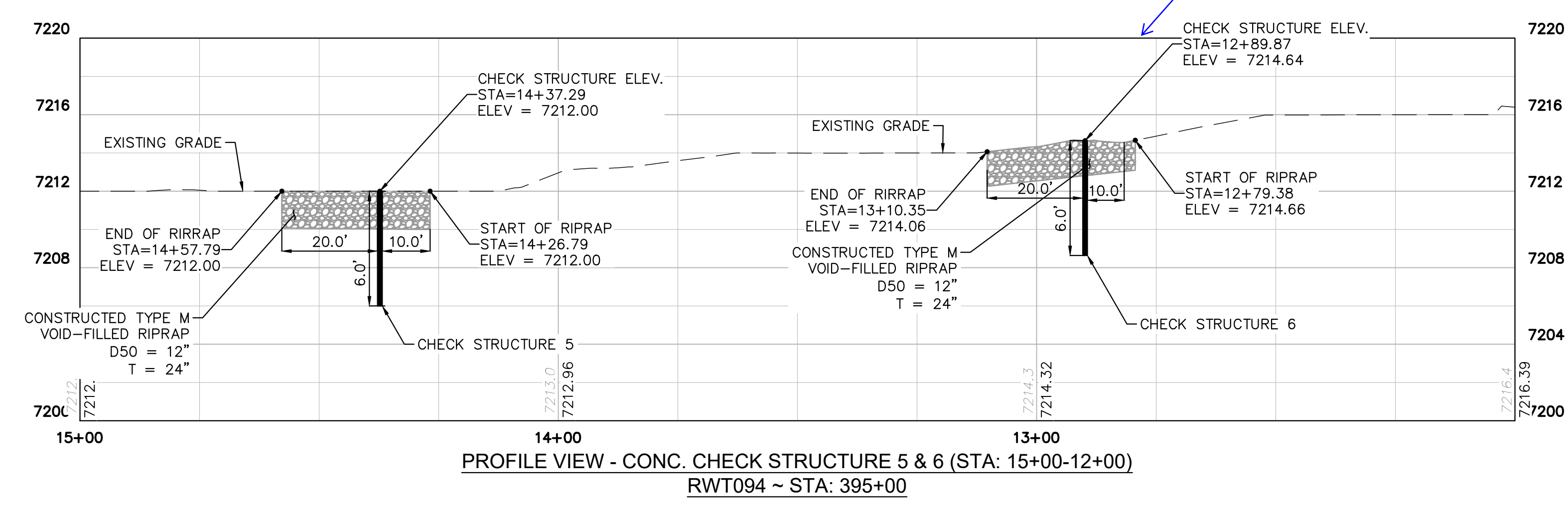
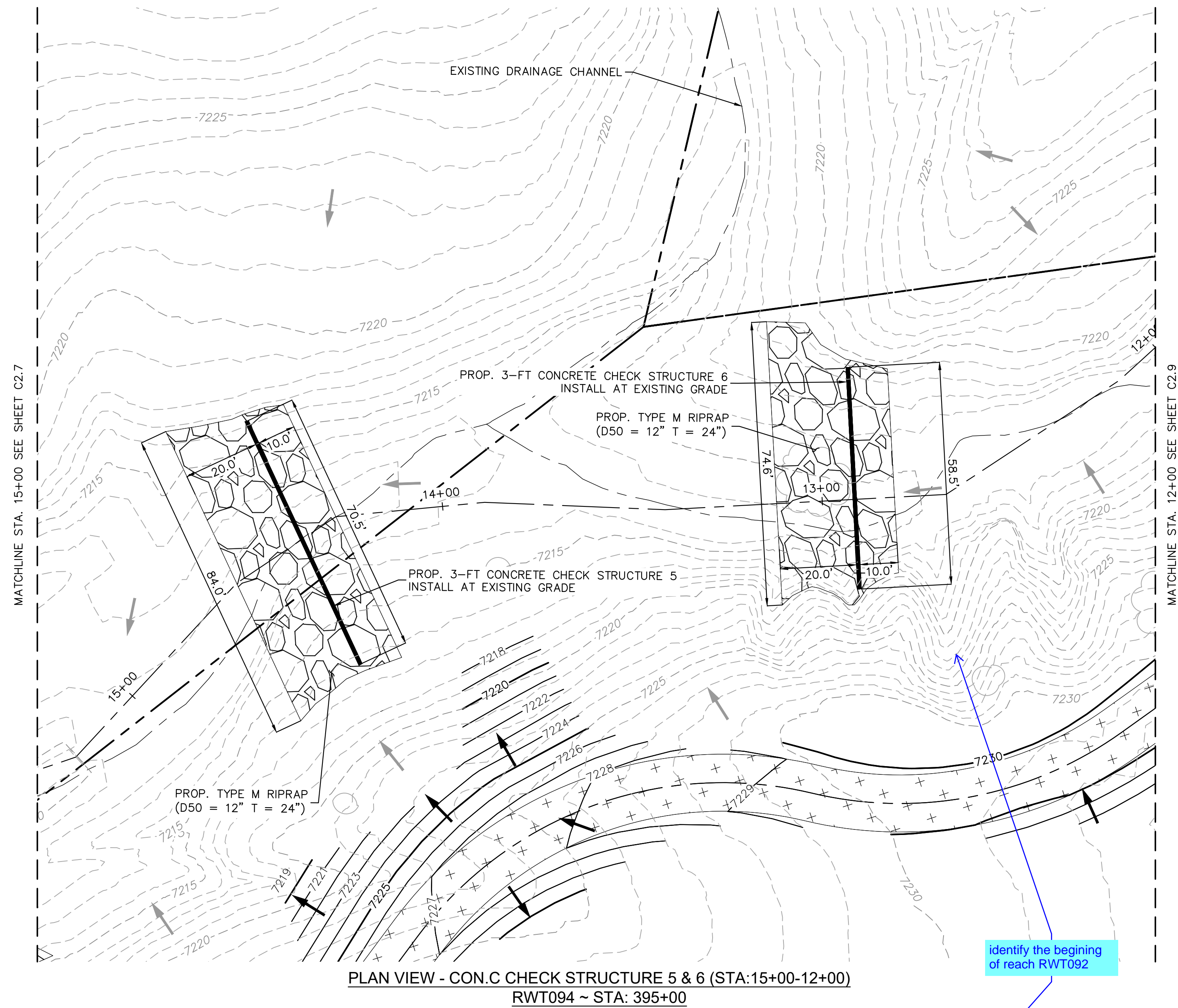
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PROJECT NO.
 196106001
 SHEET

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NOTES:
1. CHANNEL INVERT SHOWN IN PROFILE VIEW IS THE ELEVATION OF THE LOW FLOW CHANNEL.

Identify the beginning of reach RWT092

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Kimley»Horn
2023 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
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CHECKED BY: KKK
DATE: 04/04/2024

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
CHECK STRUCTURE PLAN & PROFILE

PRELIMINARY
FOR REVIEW ONLY
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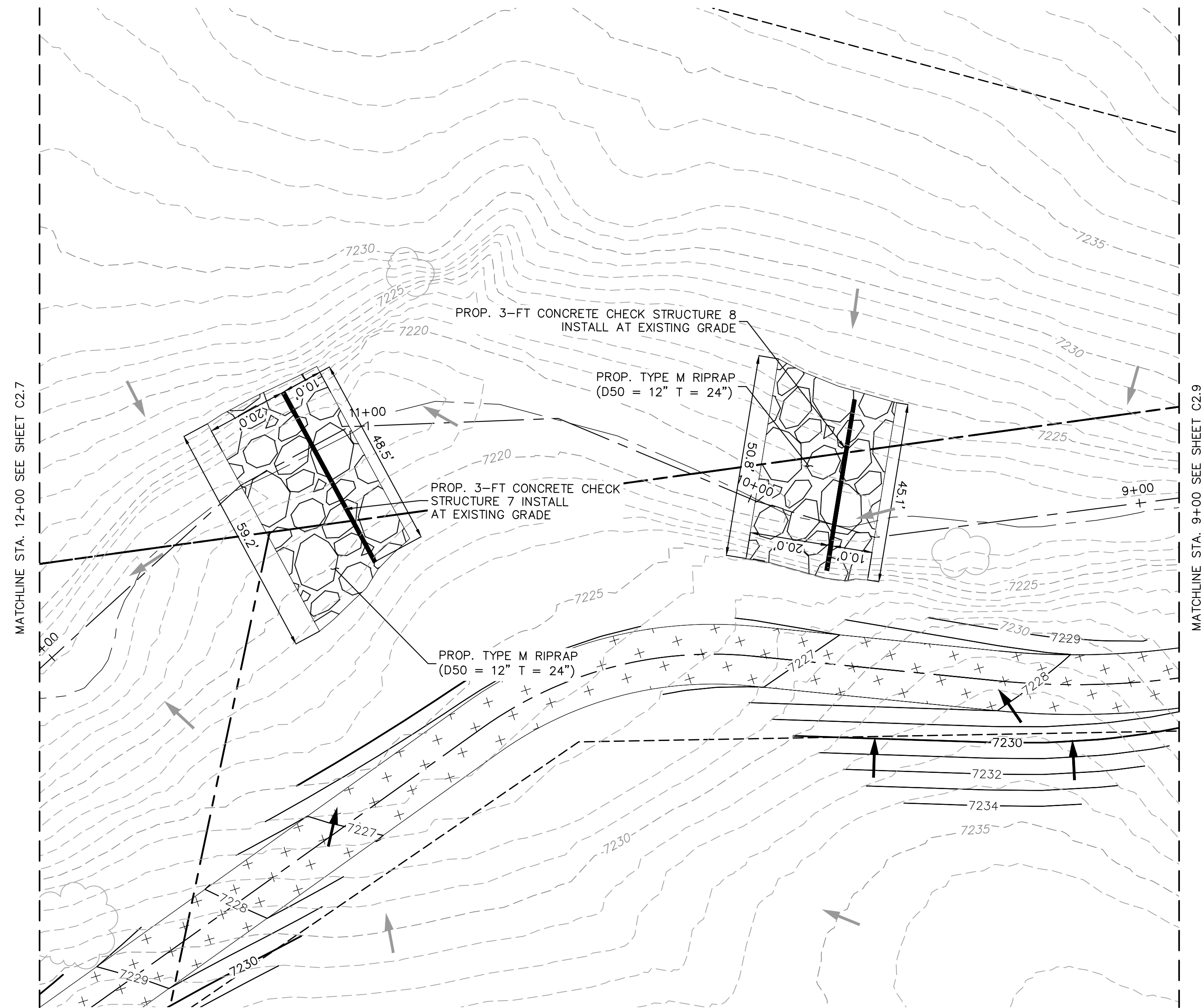
PROJECT NO.
196106001

SHEET
C1.50

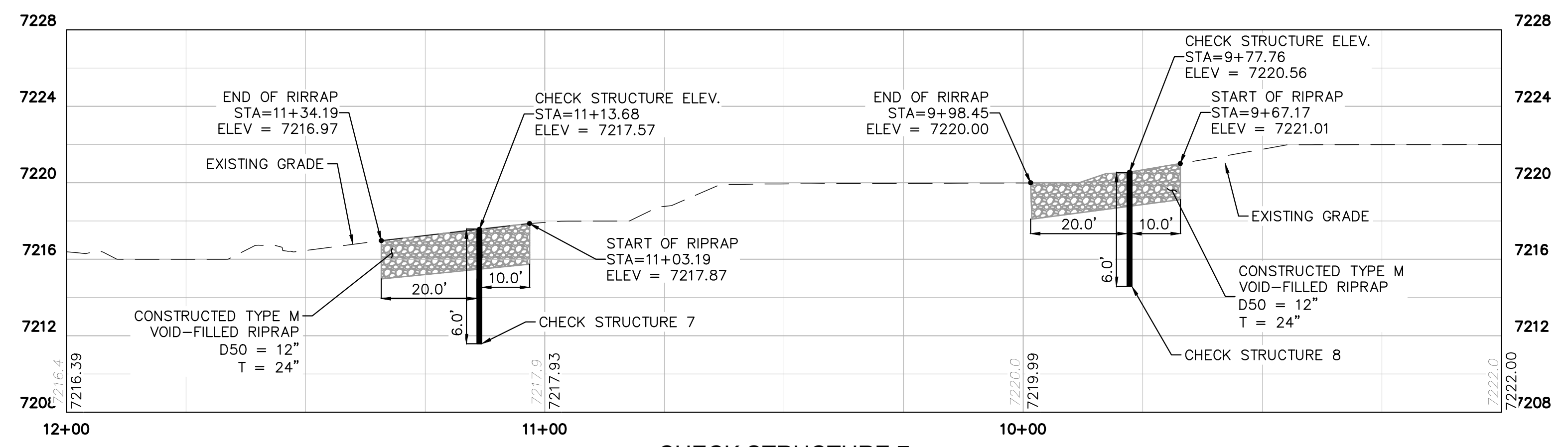
811 Know what's below.
Call before you dig.

CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

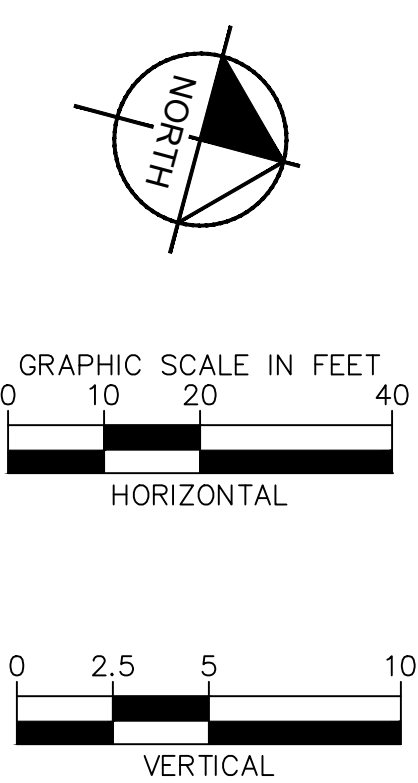
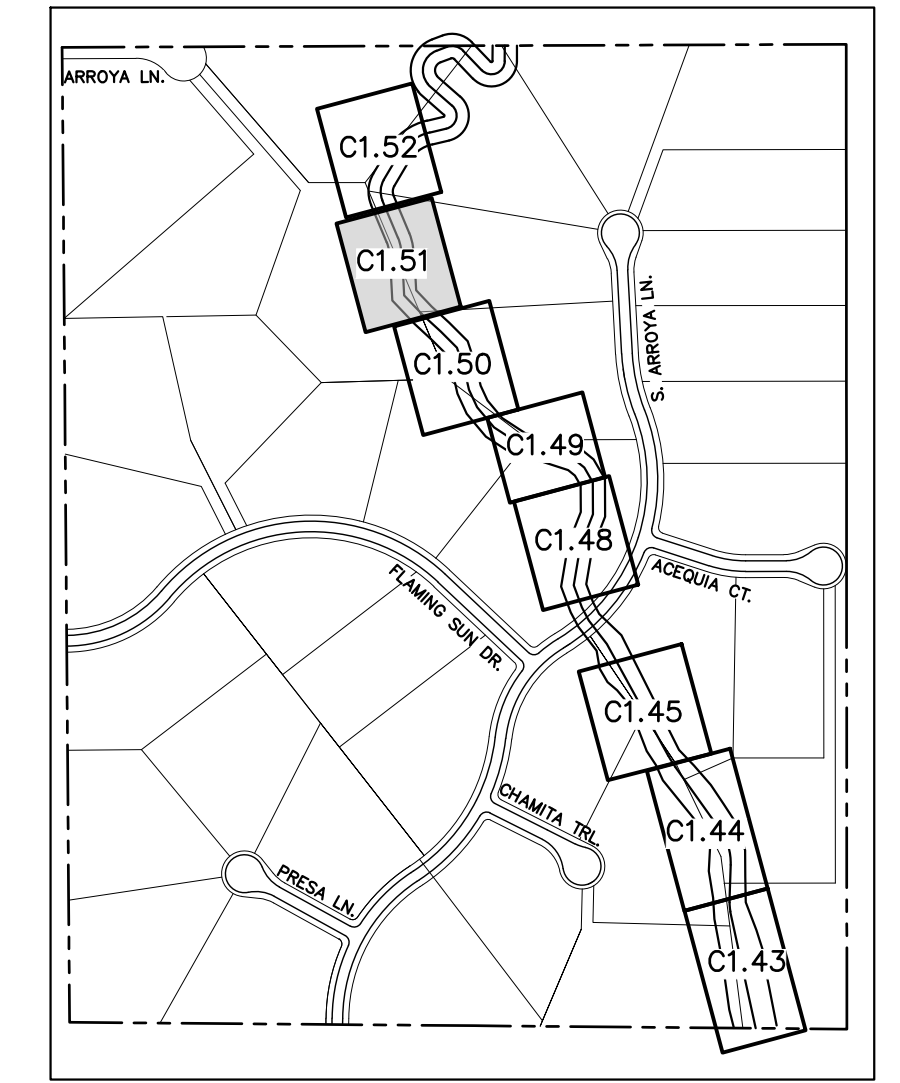
K:\COS_Civil\196286000_Eagleview\CADD\PlanSheets\Stream_CDS\CD_Check Structures.dwg Schnelbach, Ryan 6/27/2024 1:17 PM



PLAN VIEW - CONC. CHECK STRUCTURE 7 & 8 (STA:12+00-9+00)
RWT092 ~ STA: 398+00



PROFILE VIEW - CONC. CHECK STRUCTURE 7 & 8 (STA: 12+00-9+00)
RWT092 ~ STA: 398+00



NOTES:
1. CHANNEL INVERT SHOWN IN PROFILE VIEW IS THE ELEVATION OF THE LOW FLOW CHANNEL.

NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
2023 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KKK
DATE: 04/04/2024

EAGLEVIEW
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PROJECT NO.
196106001

SHEET

C1.51

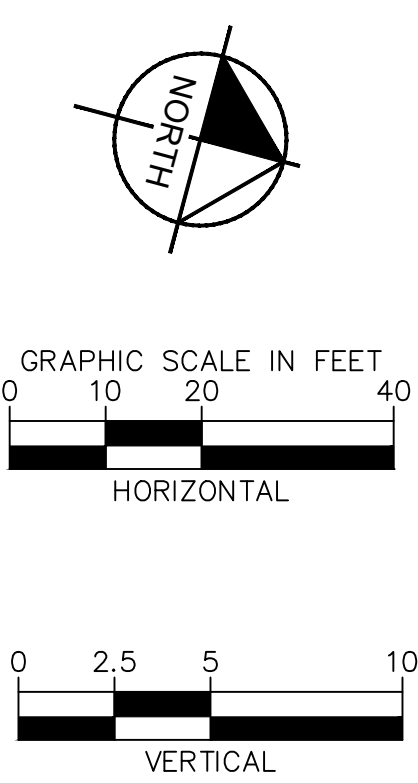
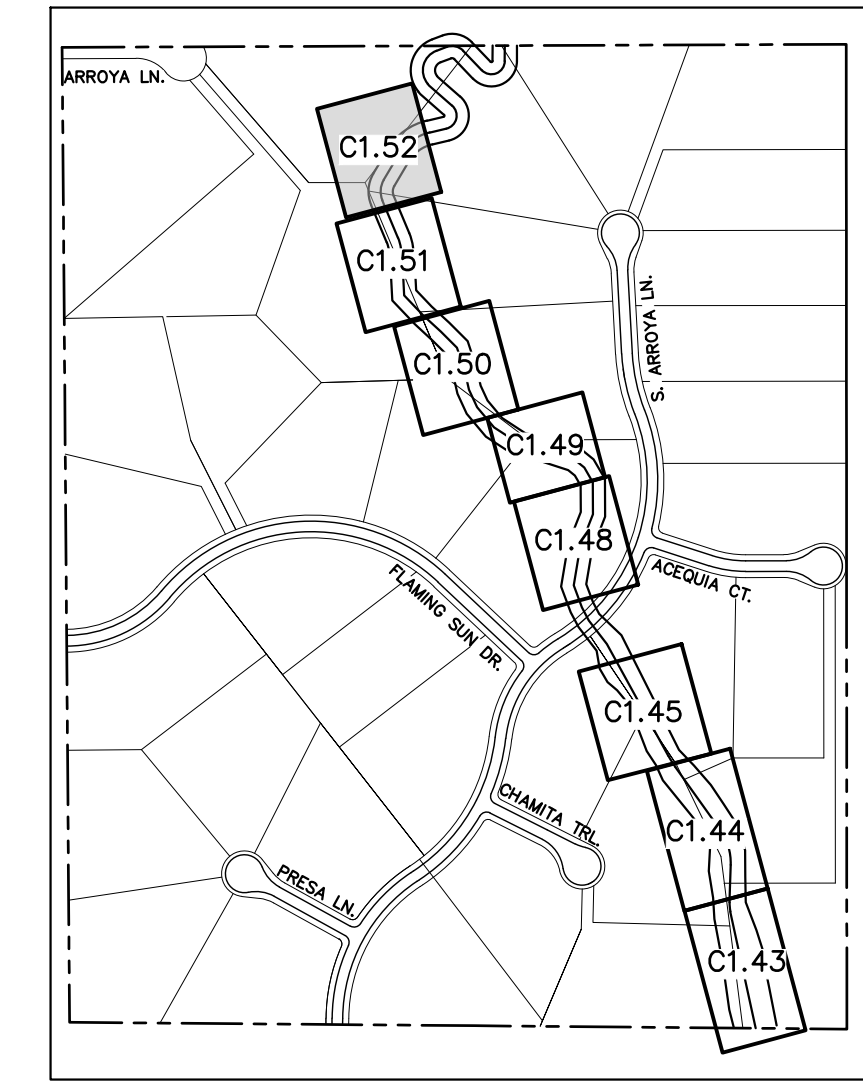


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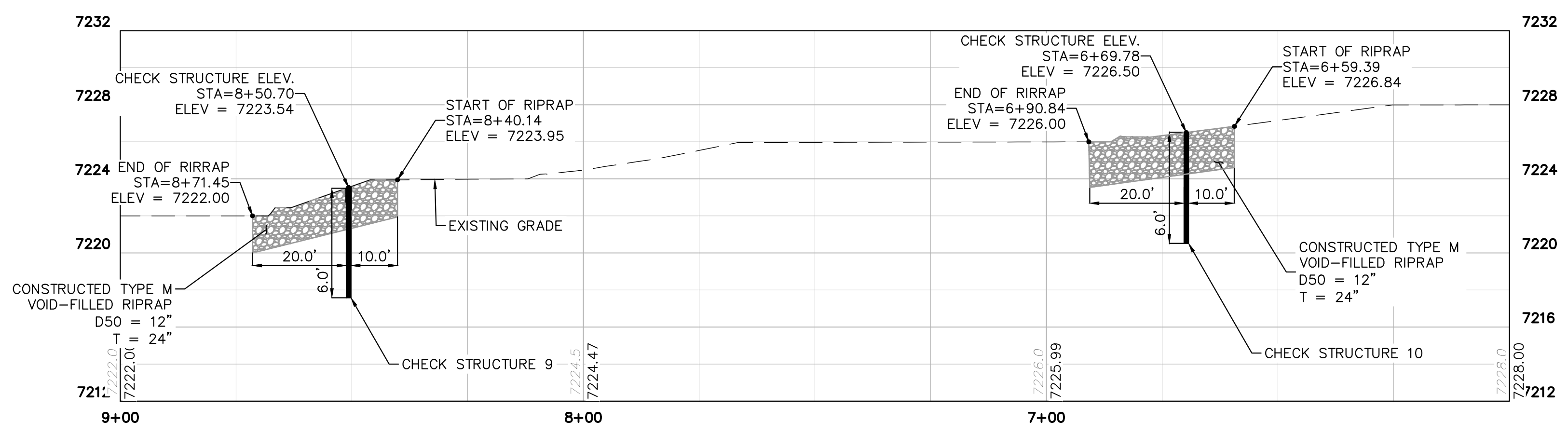


PLAN VIEW - CONC. CHECK STRUCTURE 9 & 10 (STA: 9+00-6+00)
RWT092 ~ STA: 401+00

Please also provide/label check structure and profile for the proposed check structure in reach RWT054 identified in the drainage report.



NOTES:
1. CHANNEL INVERT SHOWN IN PROFILE VIEW IS THE ELEVATION OF THE LOW FLOW CHANNEL.



PROFILE VIEW - CONC. CHECK STRUCTURE 9 & 10 (STA: 9+00-8+00)
RWT092 ~ STA: 401+00

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2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KRK
DATE: 04/04/2024

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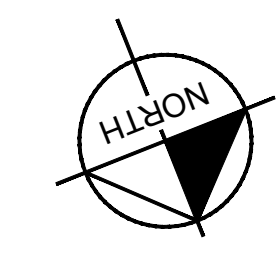
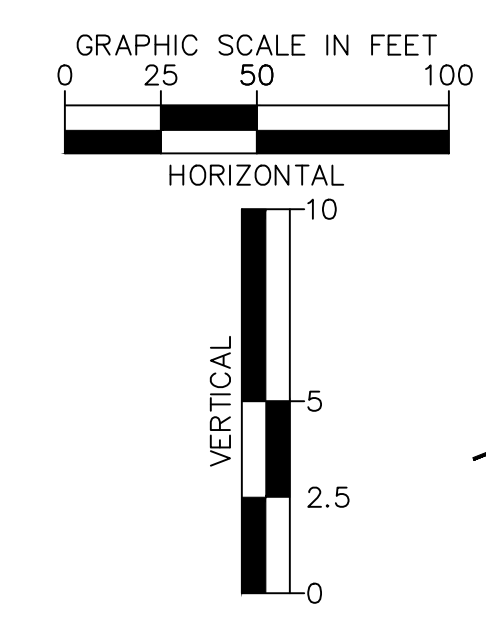
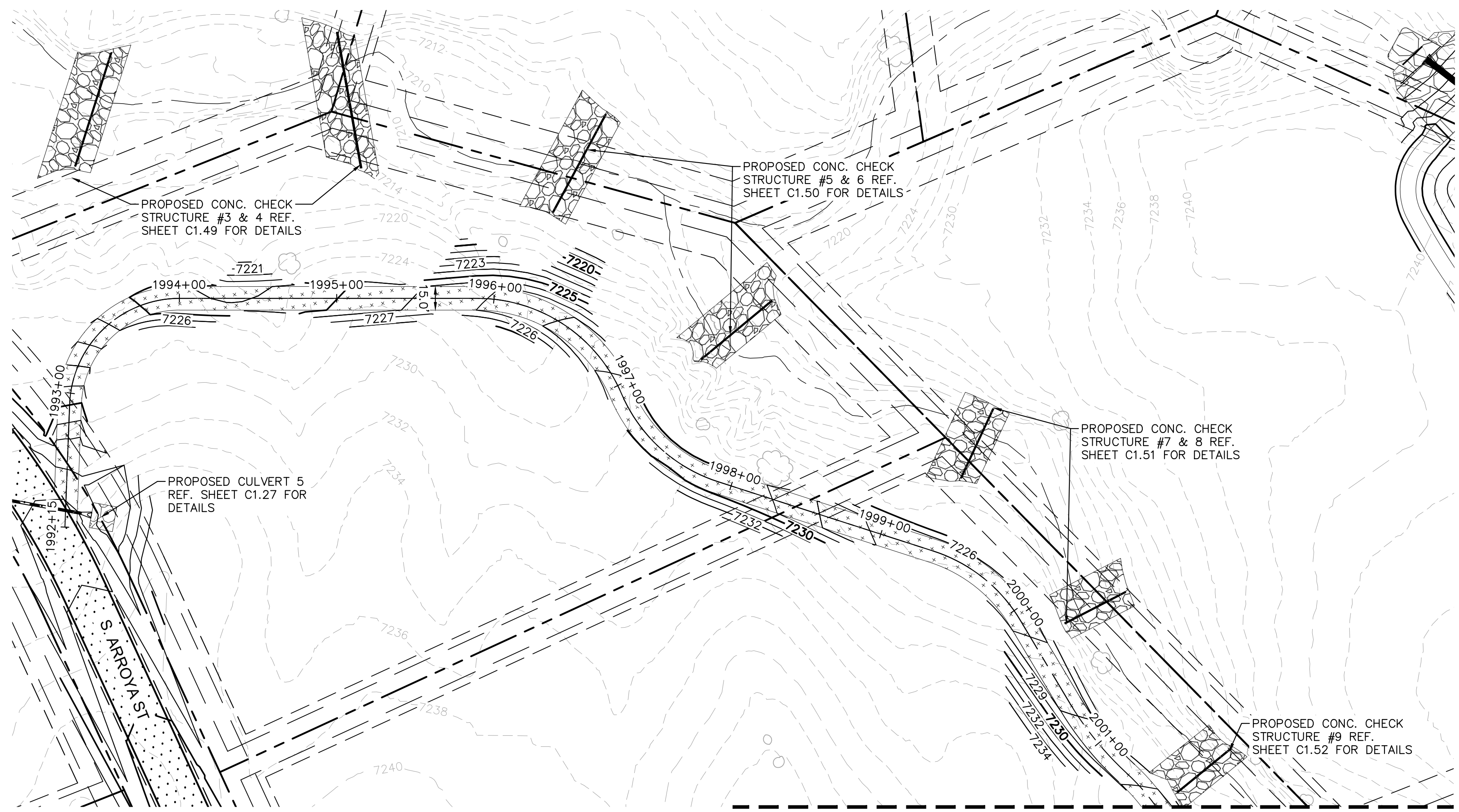
PROJECT NO.
196106001

SHEET

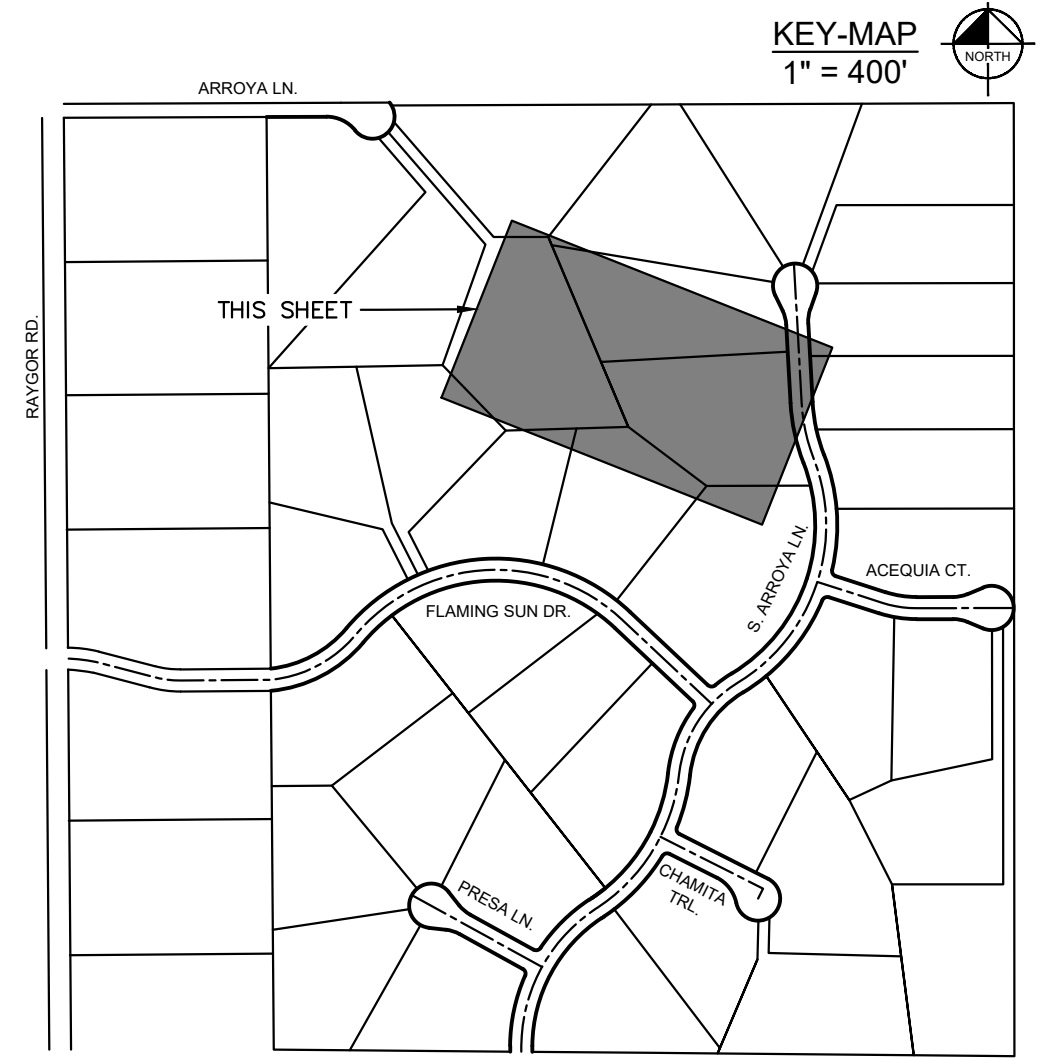
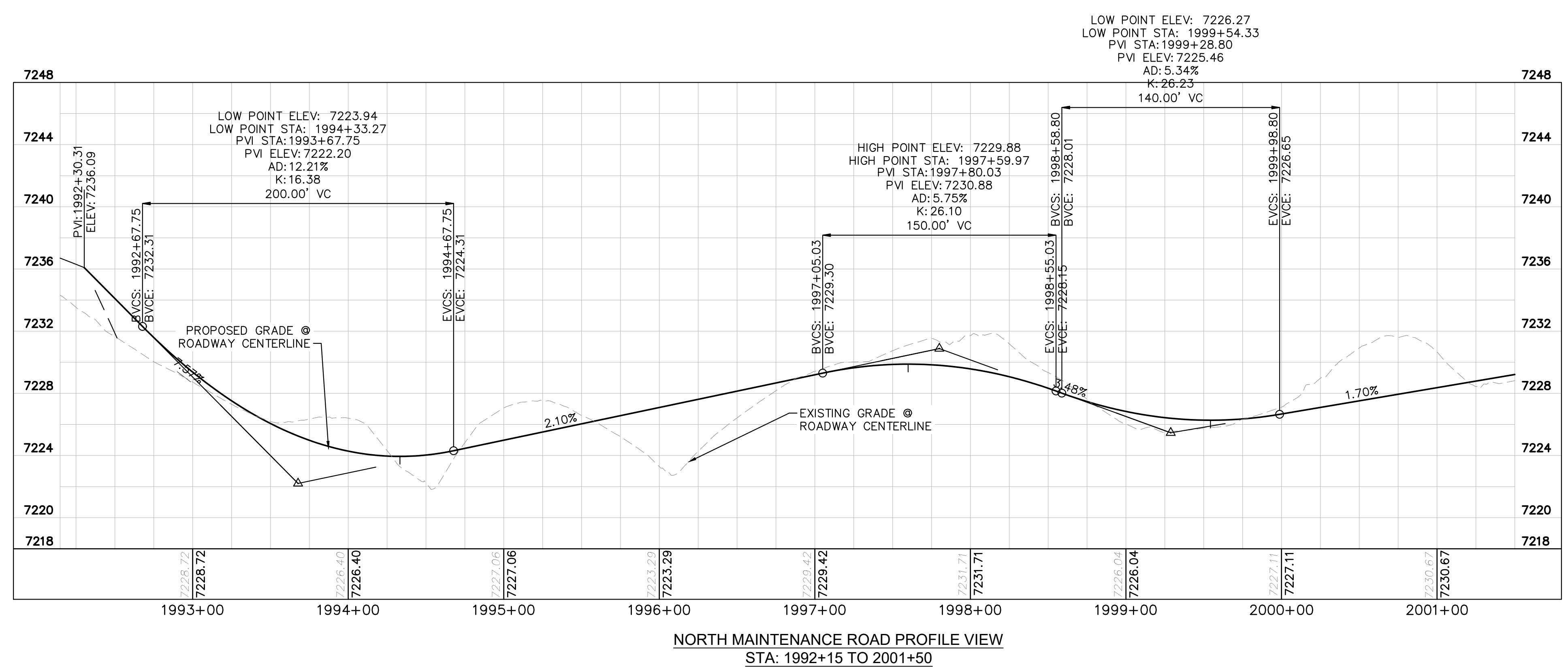
C1.52



K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDs\096288000CD_NMR_P&P.dwg Schreiberbach, Ryan 6/27/2024 1:18 PM



- LEGEND
- PROPERTY/LOT LINE
 - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT # LOT NUMBER
 - x-x- PROPOSED DRAINAGE EASEMENT
 - ▲▲ CROSS SECTION (SEE SHEET C1.1)
 - PROPOSED CULVERT
 - EXISTING CULVERT
 - 7XXX- EXISTING MAJOR CONTOUR
 - 7XXX- EXISTING MINOR CONTOUR
 - 7XXX PROPOSED MAJOR CONTOUR
 - 7XXX PROPOSED MINOR CONTOUR
 - PROPOSED EDGE OF PAVEMENT
 - PROPOSED EDGE OF SHOULDER



EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
N. MAINTENANCE ROAD PLAN & PROFILE

DESIGNED BY: MJK
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CHECKED BY: KRK
DATE: 06/27/2024

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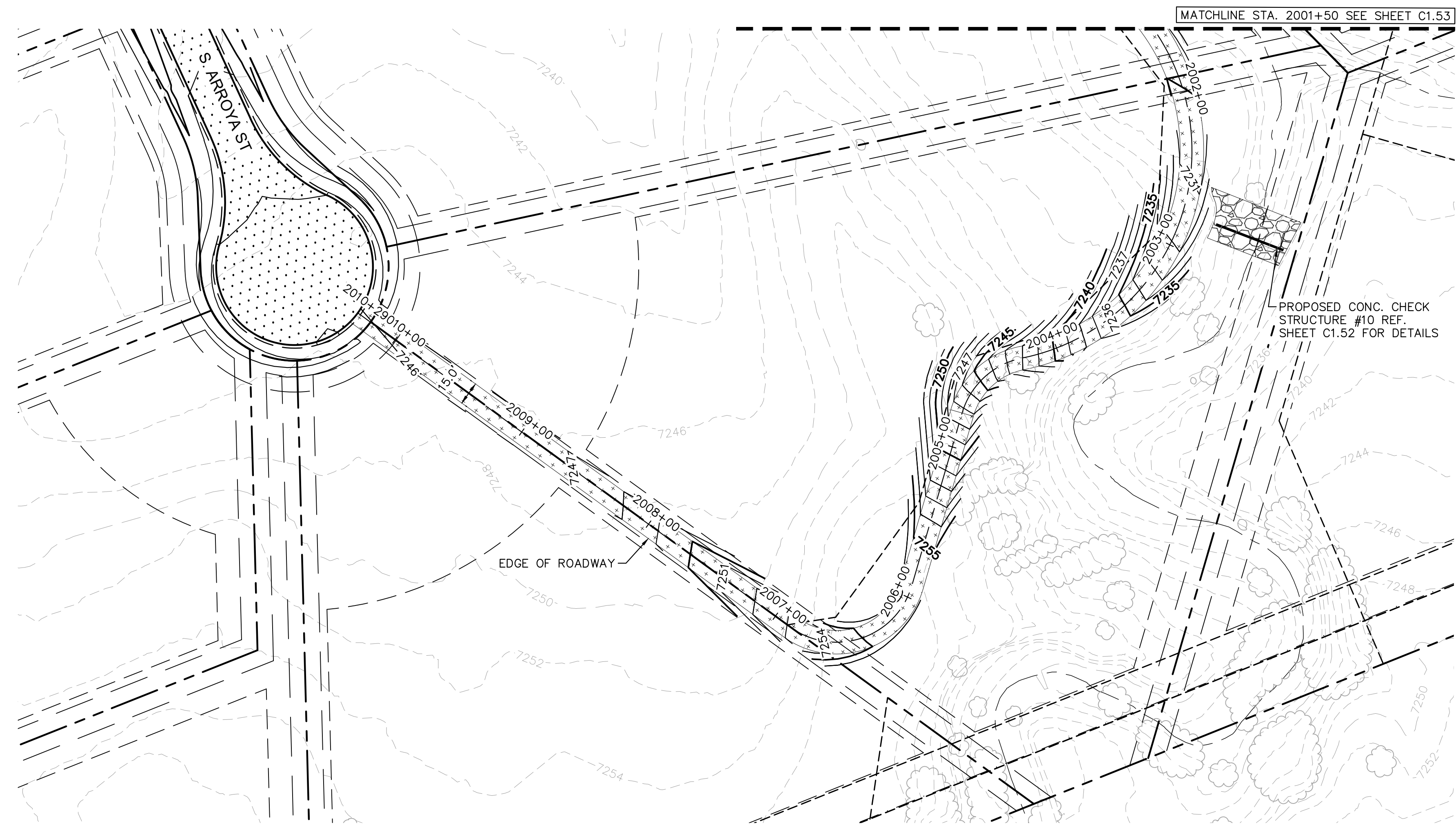
PROJECT NO.
196106001

SHEET
C1.53

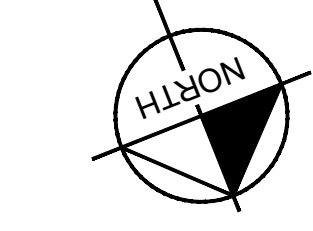
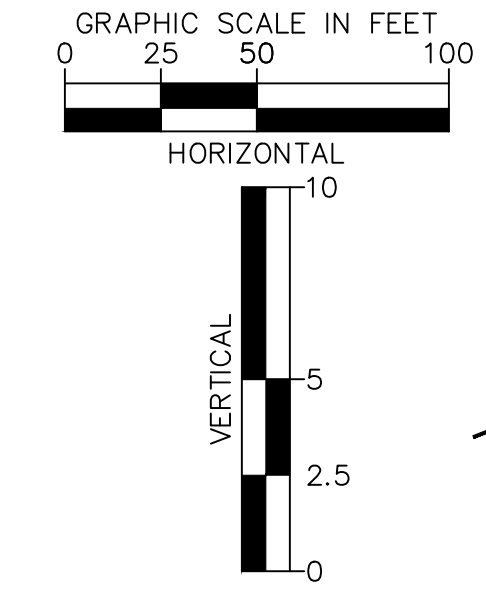
NO. REVISION BY DATE APPR.

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K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CAD\096288000CD_NMR_P&P.dwg Schreiberbach, Ryan 6/27/2024 1:18 PM

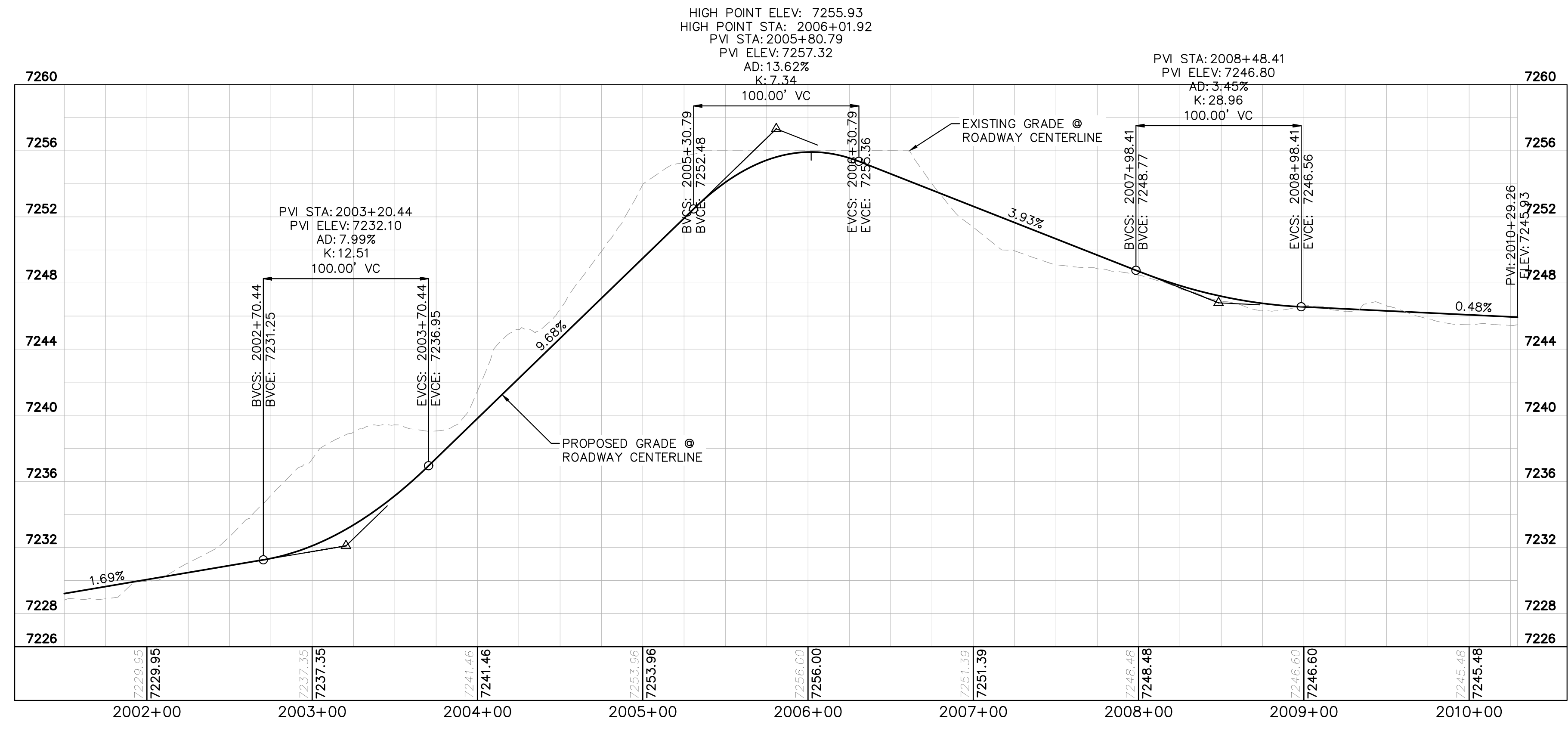


NORTH MAINTENANCE ROAD PLAN VIEW

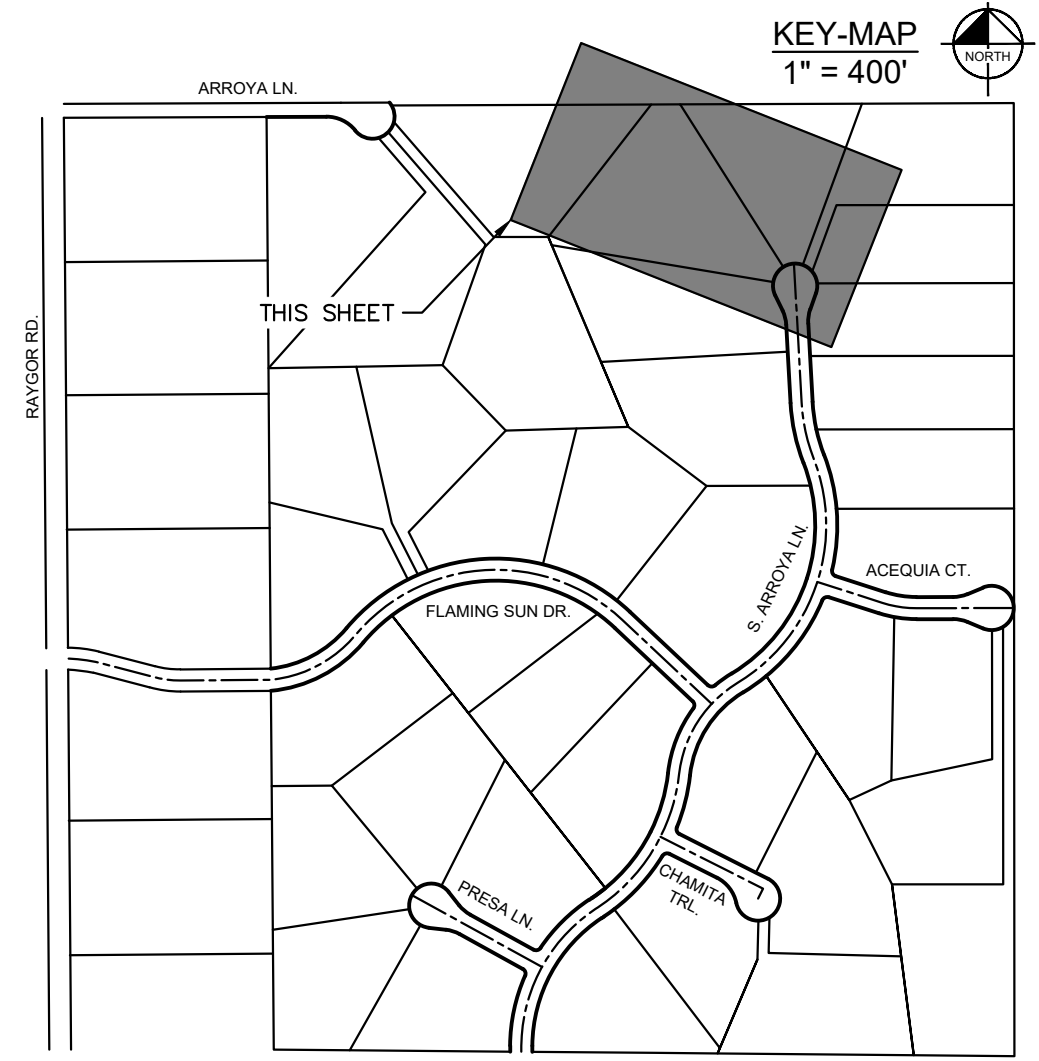


LEGEND

- PROPERTY/LOT LINE
- ROW LINE
- UTILITY EASEMENT LINE
- LOT # LOT NUMBER
- PROPOSED DRAINAGE EASEMENT
- CROSS SECTION (SEE SHEET C1.1)
- PROPOSED CULVERT
- EXISTING CULVERT
- 7XXX- EXISTING MAJOR CONTOUR
- 7XXX- EXISTING MINOR CONTOUR
- 7XXX PROPOSED MAJOR CONTOUR
- 7XXX PROPOSED MINOR CONTOUR
- PROPOSED EDGE OF PAVEMENT
- PROPOSED EDGE OF SHOULDER



NORTH MAINTENANCE ROAD PROFILE
STA: 2001+50 TO 2010+29



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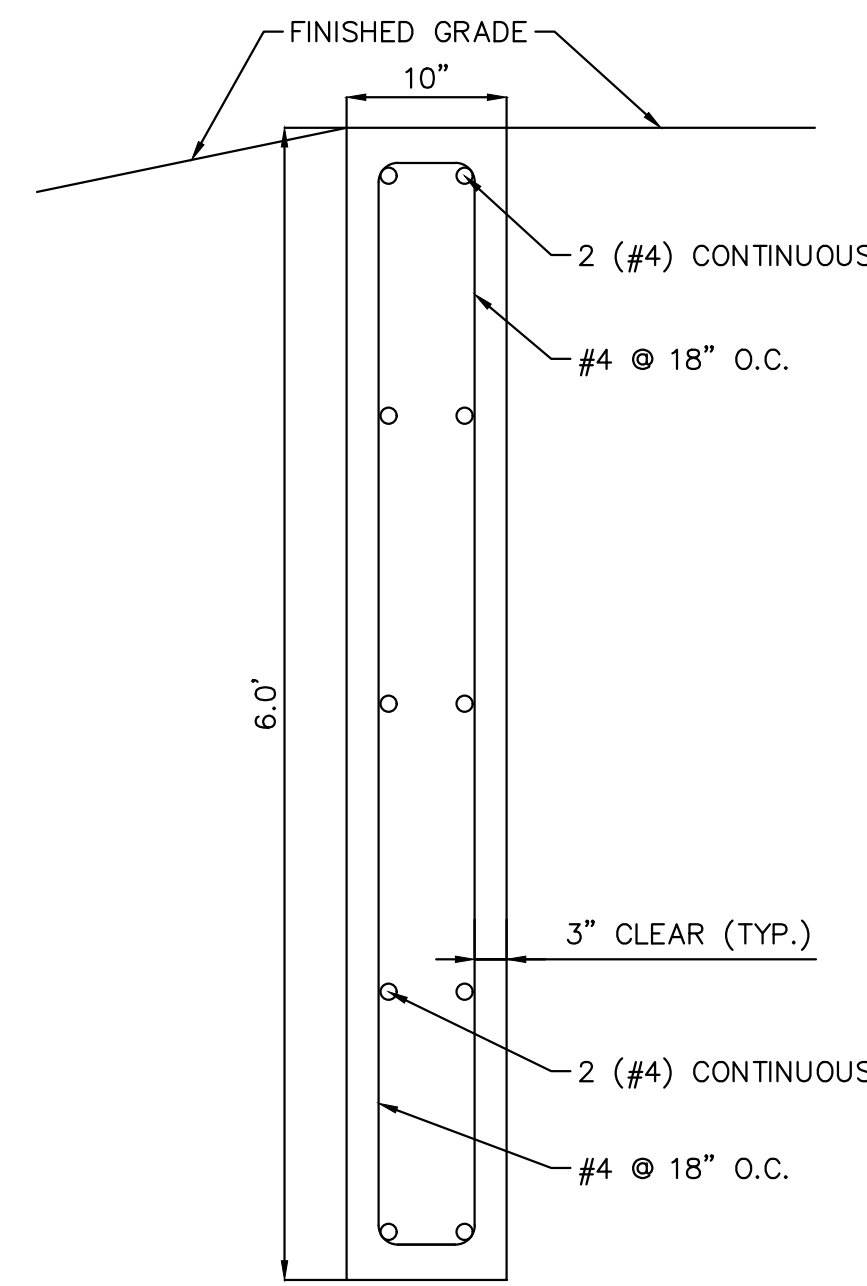
DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KRK
DATE: 06/27/2024

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N. MAINTENANCE ROAD PLAN & PROFILE

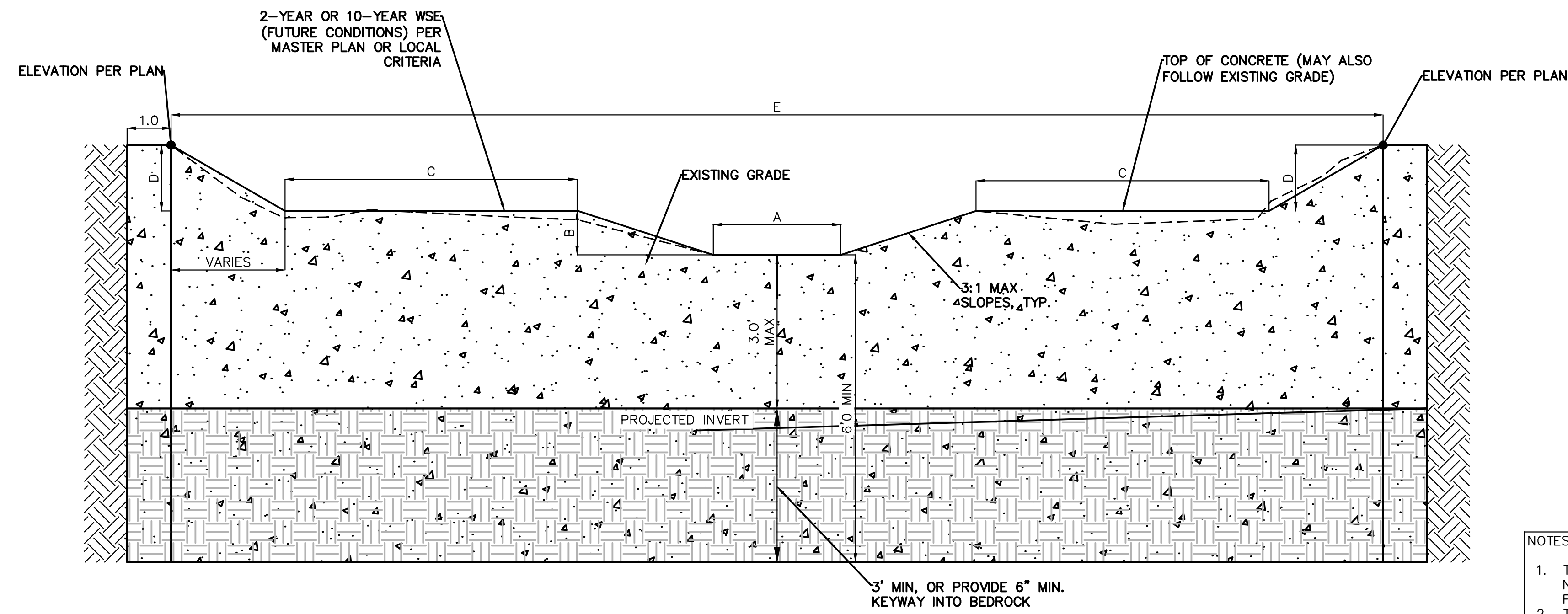
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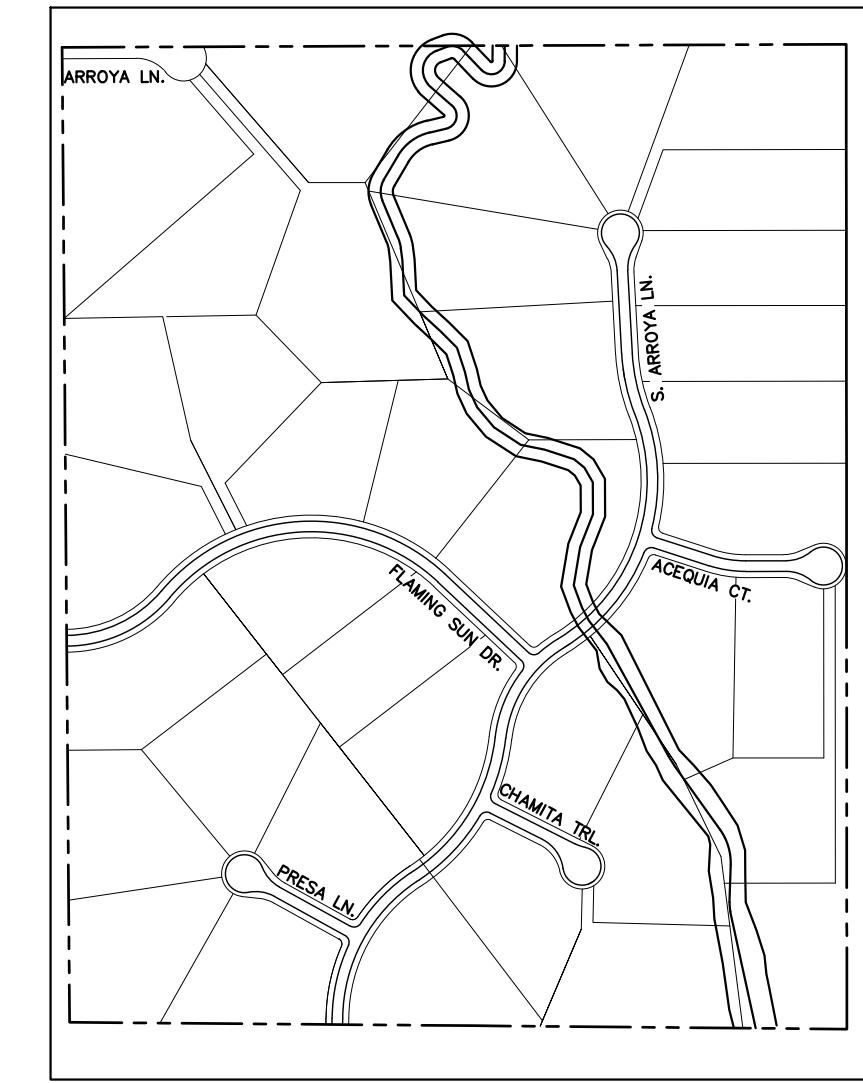
SHEET
C1.54



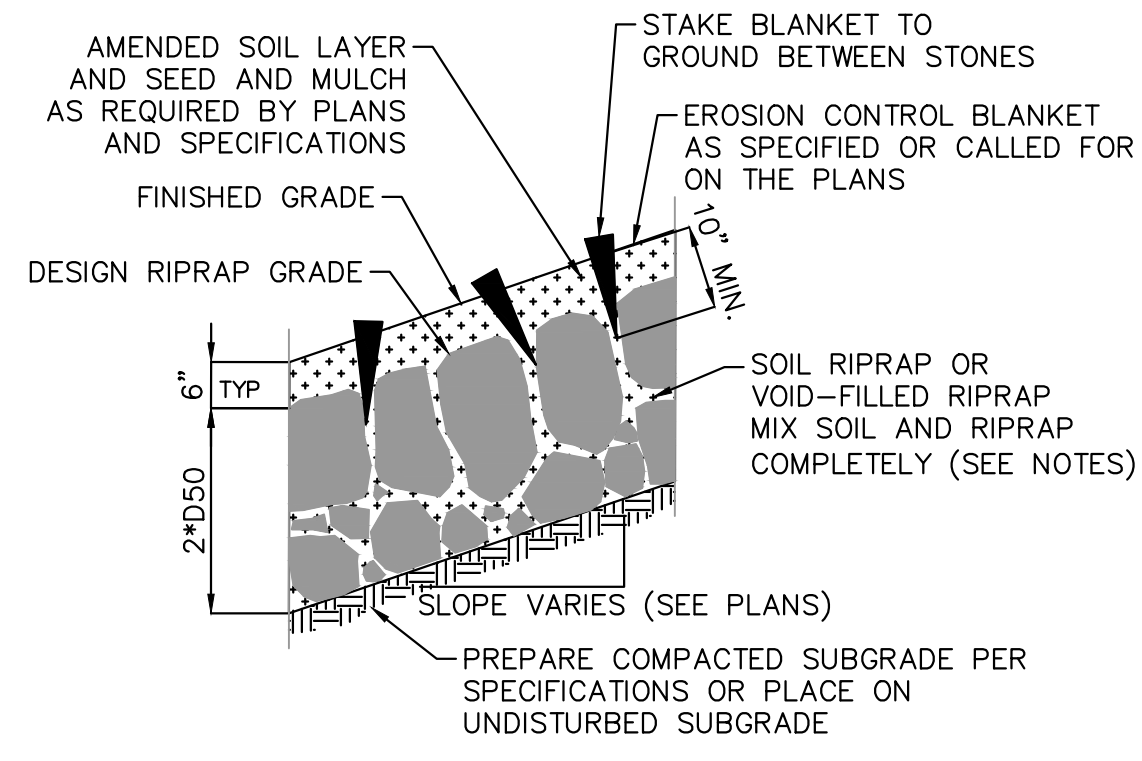
SECTION CREST WALL DETAIL
SCALE: 1" = 1'



CONCRETE CHECK STRUCTURE SECTION DETAIL
N.T.S.



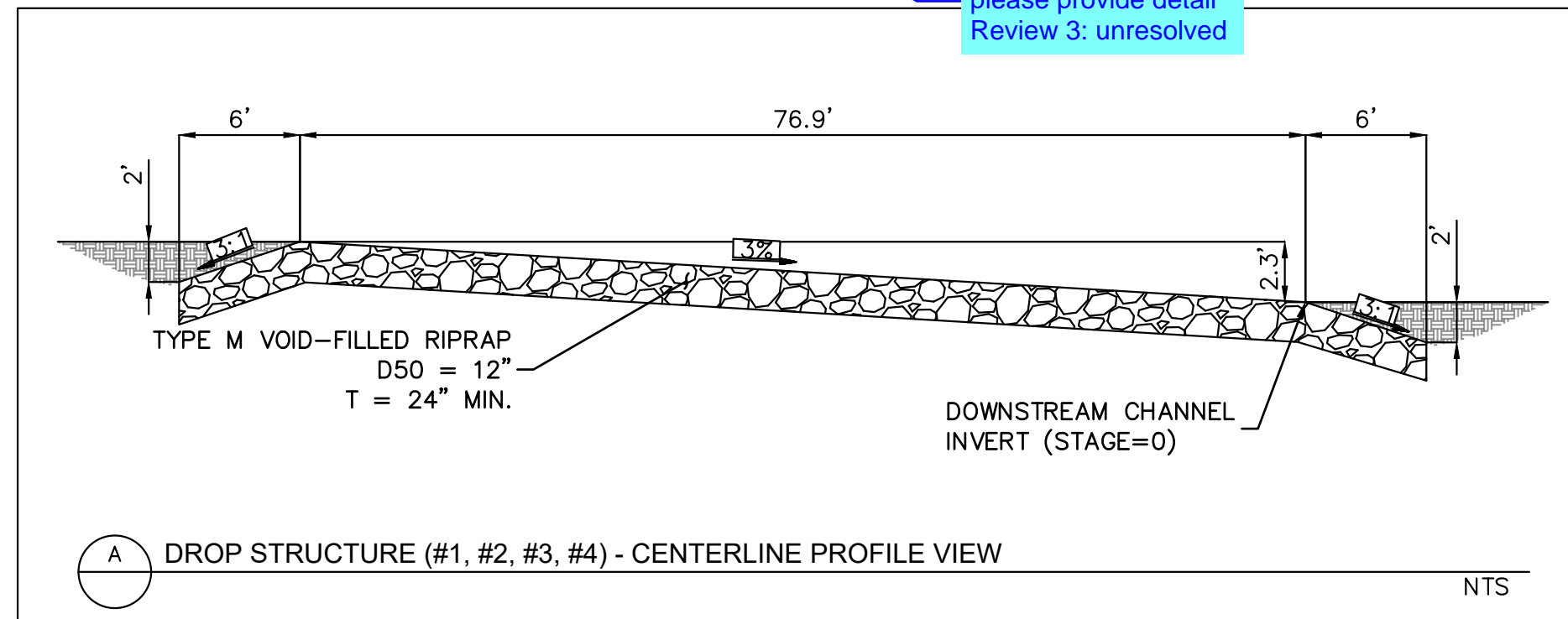
- NOTES:
- TRENCH IN UNDISTURBED SOIL FORM TOP 6" OF CHECK. DO NOT OVER EXCAVATE TO FORM WALLS OF CONSTRUCT A FOOTING.
 - THE STRUCTURE MAY BE COVERED WITH 6" OF SOIL OUTSIDE OF THE LOW FLOW AREA.
 - VIBRATE CONCRETE INTO TRENCH.
 - CONTRACTOR TO VERIFY EACH CHECK STRUCTURE LOCATION TO ENSURE CHECK STRUCTURE IS EMBEDDED INTO THE CHANNEL BANK ON EACH SIDE OF THE CHANNEL.



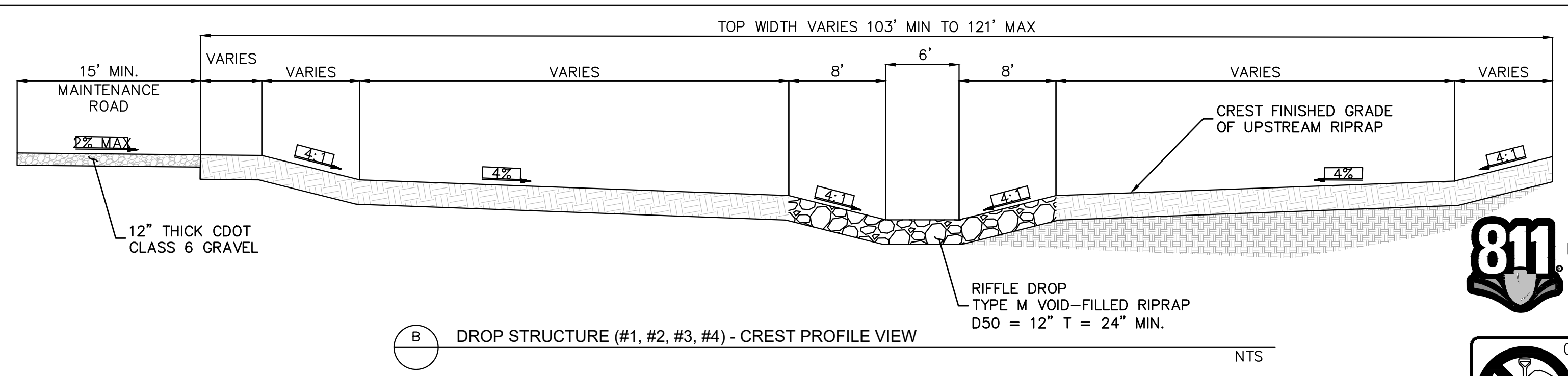
EROSION CONTROL BLANKET SECTION

- NOTES:
- SOIL RIPRAP DETAILS ARE APPLICABLE TO SLOPED AREAS. REFER TO THE SITE PLAN ACTUAL LOCATION AND LIMITS.
 - MIX UNIFORMLY 65% RIPRAP BY VOLUME WITH 35% OF APPROVED SOIL BY VOLUME PRIOR TO PLACEMENT.
 - PLACE STONE-SOIL MIX TO RESULT IN SECURELY INTERLOCKED ROCK AT THE DESIGN THICKNESS AND GRADE. COMPACT AND LEVEL TO ELIMINATE ALL VOIDS AND ROCKS PROJECTING ABOVE DESIGN RIPRAP TOP GRADE.
 - CRIMP OR TACKIFY MULCH OR USE APPROVED HYDROMULCH AS CALLED FOR IN THE PLANS AND SPECIFICATIONS.
 - FOR TOE PROTECTION SEE DETAIL 10 ON THIS SHEET.

SOIL RIPRAP & VOID-FILLED RIPRAP DETAIL
N.T.S.



A DROP STRUCTURE (#1, #2, #3, #4) - CENTERLINE PROFILE VIEW
N.T.S.



B DROP STRUCTURE (#1, #2, #3, #4) - CREST PROFILE VIEW
N.T.S.

RIFFLE DROP STRUCTURE DETAIL
N.T.S.

CHECK STRUCTURE ID	DIMENSIONS (FT)				
	A	B	C	D	E
1	6	2	2.5	3.5	46.5
2	6	2	16.5	2	66
3	6	2	20.5	2	76
4	6	2	23.5	3	87.5
5	6	2	17	2.5	70.5
6	6	2	13.5	1.5	58.5
7	6	2	8.5	1.5	48.5
8	6	2	5.5	1.5	43.5
9	6	2	6	1.5	44
10	6	2	5	2	45.5

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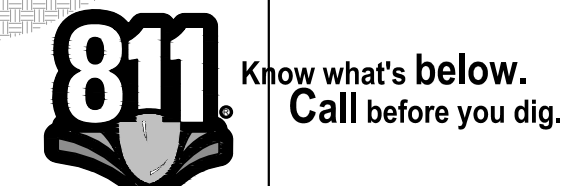
DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KKK
DATE: 04/04/2024

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
CHANNEL STRUCTURES DETAIL

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PROJECT NO.
196106001

SHEET
C1.55



K:\COS_Civil\196286000_Eagleview\CADD\PlanSheets\Stream_CDS\CD_Check_Structures.dwg Schnelbach, Ryan 6/27/2024 1:19 PM

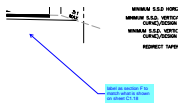
V3_Construction Drawings (Plans-Profiles) comments.pdf Markup Summary

Daniel Torres (38)



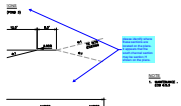
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Page Label: [3] C1.2 TYPICAL SECTIONS
Author: Daniel Torres
Date: 7/17/2024 5:53:07 PM
Status:
Color: ■
Layer:
Space:

revise to 3.3.3.K as 6.5.3 does not exist



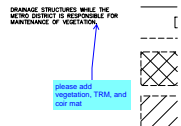
Subject: Callout
Page Label: [3] C1.2 TYPICAL SECTIONS
Author: Daniel Torres
Date: 7/18/2024 6:01:16 PM
Status:
Color: ■
Layer:
Space:

label as section F to match what is shown on sheet C1.18



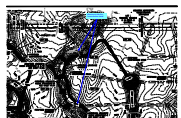
Subject: Callout
Page Label: [3] C1.2 TYPICAL SECTIONS
Author: Daniel Torres
Date: 7/18/2024 6:21:47 PM
Status:
Color: ■
Layer:
Space:

please identify where these sections are located on the plans. It appears that the south channel section may be section H shown on the plans.



Subject: Callout
Page Label: [5] C1.4 HORIZONTAL CONTROL PLAN
Author: Daniel Torres
Date: 7/18/2024 5:45:18 PM
Status:
Color: ■
Layer:
Space:

please add vegetation, TRM, and coir mat



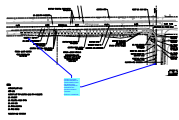
Subject: Callout
Page Label: [7] C1.6 GRADING PLAN
Author: Daniel Torres
Date: 7/18/2024 6:15:30 PM
Status:
Color: ■
Layer:
Space:

please provide the cross section detail



Subject: Callout
Page Label: [8] C1.7 GRADING PLAN
Author: Daniel Torres
Date: 7/18/2024 5:54:40 PM
Status:
Color: ■
Layer:
Space:

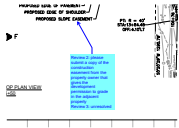
provide cross section detail



Subject: Callout
Page Label: [18] C1.17 BURGESS REMOVE & RESET PLAN
Author: Daniel Torres
Date: 7/18/2024 2:39:17 PM
Status:
Color: ■
Layer:
Space:

review 2 comment: provide dimension or section detail to show the extent of the sawcut proposed as indicated in the previous review #1 comment

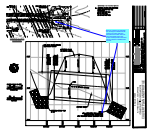
Review 3: unresolved



Subject: Callout
Page Label: [19] C1.18 BURGESS PLAN & PROFILE
Author: Daniel Torres
Date: 7/18/2024 2:37:35 PM
Status:
Color: ■
Layer:
Space:

Review 2: please submit a copy of the construction easement from the property owner that gives the development permission to grade in the adjacent property

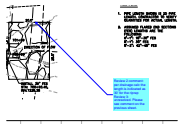
Review 3: unresolved



Subject: Callout
Page Label: [29] C1.28 CULVERT PLAN AND PROFILE
Author: Daniel Torres
Date: 7/18/2024 10:47:57 AM
Status:
Color: ■
Layer:
Space:

Review 2 comment: per drainage calc the length is indicated as 30'.

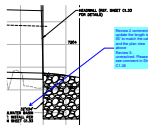
review 3: the outlet protection calculations have been removed from the drainage report calc. sheets. Please provide and ensure that all protection indicated match the CD's.



Subject: Callout
Page Label: [30] C1.29 CULVERT PLAN AND PROFILE
Author: Daniel Torres
Date: 7/18/2024 10:48:46 AM
Status:
Color: ■
Layer:
Space:

Review 2 comment: per drainage calc the length is indicated as 30' for the riprap

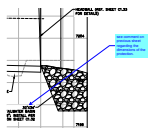
Review 3: unresolved. Please see comment on the previous sheet.



Subject: Callout
Page Label: [31] C1.30 CULVERT PLAN AND PROFILE
Author: Daniel Torres
Date: 7/18/2024 10:50:53 AM
Status:
Color: ■
Layer:
Space:

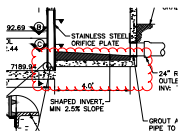
Review 2 comment: update the length to 55' to match the calcs and the plan view above

Review 3: unresolved. Please see comment in Sht C1.28

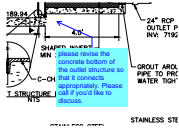


Subject: Callout
Page Label: [32] C1.31 CULVERT PLAN AND PROFILE
Author: Daniel Torres
Date: 7/18/2024 10:51:47 AM
Status:
Color: ■
Layer:
Space:

see comment on previous sheet regarding the dimensions of the protection.

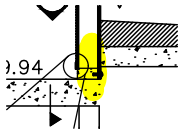


Subject: Cloud
Page Label: [37] C1.36 WATER QUALITY POND #1 DETAILS
Author: Daniel Torres
Date: 7/18/2024 12:02:08 PM
Status:
Color: ■
Layer:
Space:

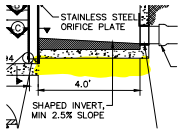


Subject: Callout
Page Label: [37] C1.36 WATER QUALITY POND #1 DETAILS
Author: Daniel Torres
Date: 7/18/2024 2:28:11 PM
Status:
Color: ■
Layer:
Space:

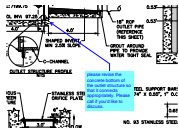
please revise the concrete bottom of the outlet structure so that it connects appropriately. Please call if you'd like to discuss.



Subject: Highlight
Page Label: [37] C1.36 WATER QUALITY POND #1 DETAILS
Author: Daniel Torres
Date: 7/18/2024 2:28:16 PM
Status:
Color: ■
Layer:
Space:

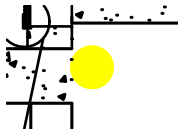


Subject: Highlight
Page Label: [37] C1.36 WATER QUALITY POND #1 DETAILS
Author: Daniel Torres
Date: 7/18/2024 2:28:23 PM
Status:
Color: ■
Layer:
Space:

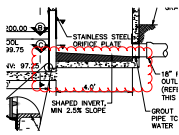


Subject: Callout
Page Label: [39] C1.38 WATER QUALITY POND #2 DETAILS
Author: Daniel Torres
Date: 7/18/2024 2:27:20 PM
Status:
Color: ■
Layer:
Space:

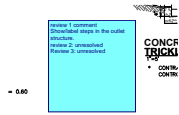
please revise the concrete bottom of the outlet structure so that it connects appropriately. Please call if you'd like to discuss.



Subject: Highlight
Page Label: [39] C1.38 WATER QUALITY POND #2 DETAILS
Author: Daniel Torres
Date: 7/18/2024 11:53:58 AM
Status:
Color: ■
Layer:
Space:

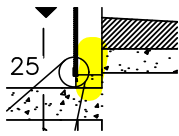


Subject: Cloud
Page Label: [39] C1.38 WATER QUALITY POND #2 DETAILS
Author: Daniel Torres
Date: 7/18/2024 12:02:23 PM
Status:
Color: ■
Layer:
Space:

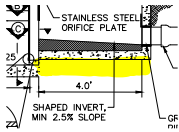


Subject: Text Box
Page Label: [39] C1.38 WATER QUALITY POND #2 DETAILS
Author: Daniel Torres
Date: 7/18/2024 12:02:49 PM
Status:
Color: ■
Layer:
Space:

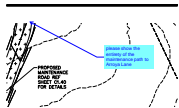
review 1 comment
Show/label steps in the outlet structure.
review 2: unresolved
Review 3: unresolved



Subject: Highlight
Page Label: [39] C1.38 WATER QUALITY POND #2 DETAILS
Author: Daniel Torres
Date: 7/18/2024 2:26:12 PM
Status:
Color: ■
Layer:
Space:

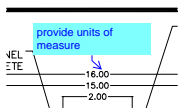


Subject: Highlight
Page Label: [39] C1.38 WATER QUALITY POND #2 DETAILS
Author: Daniel Torres
Date: 7/18/2024 2:26:25 PM
Status:
Color: ■
Layer:
Space:



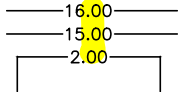
Subject: Callout
Page Label: [40] C1.39 POND 3 PLAN
Author: Daniel Torres
Date: 7/18/2024 6:08:33 PM
Status:
Color: ■
Layer:
Space:

please show the entirety of the maintenance path to Arroya Lane

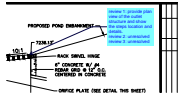


Subject: Callout
Page Label: [41] C1.40 POND 3 DETAILS
Author: Daniel Torres
Date: 7/18/2024 11:42:58 AM
Status:
Color: ■
Layer:
Space:

provide units of measure

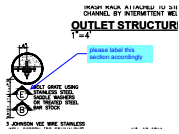


Subject: Highlight
Page Label: [41] C1.40 POND 3 DETAILS
Author: Daniel Torres
Date: 7/18/2024 11:43:03 AM
Status:
Color: ■
Layer:
Space:



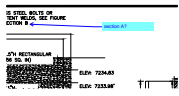
Subject: Callout
Page Label: [41] C1.40 POND 3 DETAILS
Author: Daniel Torres
Date: 7/18/2024 11:45:52 AM
Status:
Color: ■
Layer:
Space:

review 1: provide plan view of the outlet structure and show the steps location and details.
 review 2: unresolved
 review 3: unresolved



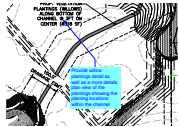
Subject: Callout
Page Label: [41] C1.40 POND 3 DETAILS
Author: Daniel Torres
Date: 7/18/2024 11:59:15 AM
Status:
Color: ■
Layer:
Space:

please label this section accordingly



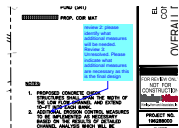
Subject: Callout
Page Label: [41] C1.40 POND 3 DETAILS
Author: Daniel Torres
Date: 7/18/2024 11:58:41 AM
Status:
Color: ■
Layer:
Space:

section A?



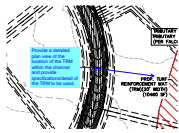
Subject: Callout
Page Label: [43] C1.42 OVERALL DRAINAGE IMPROVEMENTS
Author: Daniel Torres
Date: 7/18/2024 2:30:25 PM
Status:
Color: ■
Layer:
Space:

Provide willow plantings detail as well as a more details plan view of the plantings showing the planting locations within the channel



Subject: Callout
Page Label: [43] C1.42 OVERALL DRAINAGE IMPROVEMENTS
Author: Daniel Torres
Date: 7/18/2024 1:52:27 PM
Status:
Color: ■
Layer:
Space:

review 2: please identify what additional measures will be needed.
 Review 3: Unresolved. Please indicate what additional measures are necessary as this is the final design



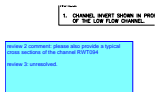
Subject: Callout
Page Label: [43] C1.42 OVERALL DRAINAGE IMPROVEMENTS
Author: Daniel Torres
Date: 7/18/2024 2:31:52 PM
Status:
Color: ■
Layer:
Space:

Provide a detailed plan view of the location of the TRM within the channel and provide specifications/detail of the TRM to be used.



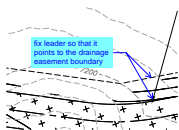
Subject: Callout
Page Label: [43] C1.42 OVERALL DRAINAGE IMPROVEMENTS
Author: Daniel Torres
Date: 7/18/2024 2:32:23 PM
Status:
Color: ■
Layer:
Space:

provide specifications/detail of the Coir mat to be used.



Subject: Text Box
Page Label: [44] C1.43 SOUTH CHANNEL PLAN & PROFILE
Author: Daniel Torres
Date: 7/18/2024 12:12:24 PM
Status:
Color: ■
Layer:
Space:

review 2 comment: please also provide a typical cross sections of the channel RWT094
 review 3: unresolved.



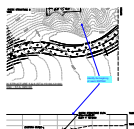
Subject: Callout
Page Label: [45] C1.44 SOUTH CHANNEL PLAN & PROFILE
Author: Daniel Torres
Date: 7/18/2024 12:13:55 PM
Status:
Color: ■
Layer:
Space:

fix leader so that it points to the drainage easement boundary



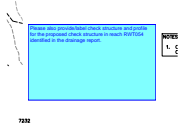
Subject: Callout
Page Label: [48] C1.47 S. MAINTENANCE ROAD PLAN & PROFILE
Author: Daniel Torres
Date: 7/18/2024 1:34:06 PM
Status:
Color: ■
Layer:
Space:

please label riffle drop #1



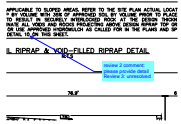
Subject: Callout
Page Label: [51] C1.50 CHECK STRUCTURE PLAN & PROFILE
Author: Daniel Torres
Date: 7/18/2024 1:41:38 PM
Status:
Color: ■
Layer:
Space:

identify the beginning of reach RWT092



Subject: Text Box
Page Label: [53] C1.52 CHECK STRUCTURE PLAN & PROFILE
Author: Daniel Torres
Date: 7/18/2024 1:43:42 PM
Status:
Color: ■
Layer:
Space:

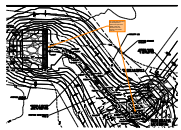
Please also provide/label check structure and profile for the proposed check structure in reach RWT054 identified in the drainage report.



Subject: Callout
Page Label: [56] C1.55 CHANNEL STRUCTURES DETAIL
Author: Daniel Torres
Date: 7/18/2024 1:07:53 PM
Status:
Color: ■
Layer:
Space:

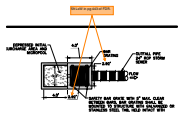
review 2 comment:
 please provide detail
 Review 3: unresolved

Glenn Reese - EPC Stormwater (27)

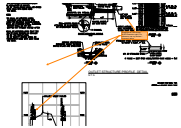


Subject: SW - Textbox with Arrow
Page Label: [36] C1.35 WATER QUALITY POND #1
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:01 AM
Status:
Color: ■
Layer:
Space:

For clarity and so theres not discrepancies between the plan and details, show the transition from the forebay to the trickle channel.

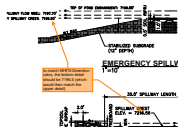


Subject: SW - Textbox with Arrow
Page Label: [37] C1.36 WATER QUALITY POND #1 DETAILS 5ft LxW in pg 443 of FDR.
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:07 AM
Status:
Color: ■
Layer:
Space:



Subject: SW - Textbox with Arrow
Page Label: [37] C1.36 WATER QUALITY POND #1 DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:07 AM
Status:
Color: ■
Layer:
Space:

Should be at 7192.44 per MHFD-Detention calcs. For reference, see my Review 1 comment below.



Subject: SW - Textbox with Arrow
Page Label: [37] C1.36 WATER QUALITY POND #1 DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:07 AM
Status:
Color: ■
Layer:
Space:

to match MHFD-Detention calcs, the bottom detail should be 7196.5 (which would then match the upper detail)



Subject: SW - Textbox with Arrow
Page Label: [37] C1.36 WATER QUALITY POND #1 DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:07 AM
Status:
Color: ■
Layer:
Space:

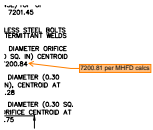
Unresolved comment from Review 1:
 depth to equal micropool elevation per
 UD-Detention spreadsheet in FDR.

Review 2 update: MHFD calcs show that inv of
 outlet pipe is at Stage = 0ft which is the micropool
 WSEL. So this inv is not shown correctly on this
 profile.



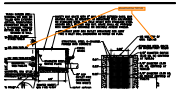
Subject: SW - Textbox with Arrow
Page Label: [38] C1.37 WATER QUALITY POND #2
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:12 AM
Status:
Color: ■
Layer:
Space:

For clarity and so theres not discrepancies
 between the plan and details, show the transition
 from the forebay to the trickle channel.



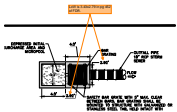
Subject: SW - Textbox with Arrow
Page Label: [39] C1.38 WATER QUALITY POND #2 DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:24 AM
Status:
Color: ■
Layer:
Space:

7200.81 per MHFD calcs



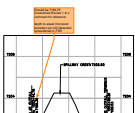
Subject: SW - Textbox with Arrow
Page Label: [39] C1.38 WATER QUALITY POND #2 DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:24 AM
Status:
Color: ■
Layer:
Space:

should both be 7201.45



Subject: SW - Textbox with Arrow
Page Label: [39] C1.38 WATER QUALITY POND #2 DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:24 AM
Status:
Color: ■
Layer:
Space:

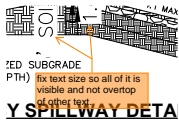
LxW is 3.43x2.79 in pg 452 of FDR.



Subject: SW - Textbox with Arrow
Page Label: [39] C1.38 WATER QUALITY POND #2 DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:24 AM
Status:
Color: ■
Layer:
Space:

Should be 7199.75
 Unresolved Review 1 & 2 comment for reference:

depth to equal micropool elevation per
 UD-Detention spreadsheet in FDR



Subject: SW - Textbox with Arrow

Page Label: [39] C1.38 WATER QUALITY POND #2 DETAILS fix text size so all of it is visible and not overtop of other text.

Author: Glenn Reese - EPC Stormwater

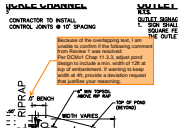
Date: 7/17/2024 10:34:24 AM

Status:

Color: ■

Layer:

Space:



Subject: SW - Textbox with Arrow

Page Label: [39] C1.38 WATER QUALITY POND #2 DETAILS

Author: Glenn Reese - EPC Stormwater

Date: 7/17/2024 10:34:24 AM

Status:

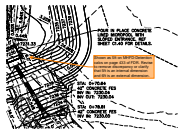
Color: ■

Layer:

Space:

Because of the overlapping text, I am unable to confirm if the following comment from Review 1 was resolved:

Per DCMv1 Chap 11.3.3, adjust pond design to include a min. width of 12ft at top of embankment. If wanting to keep width at 4ft, provide a deviation request that justifies your reasoning.



Subject: SW - Textbox with Arrow

Page Label: [40] C1.39 POND 3 PLAN

Author: Glenn Reese - EPC Stormwater

Date: 7/17/2024 10:34:32 AM

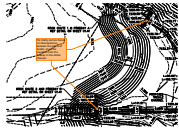
Status:

Color: ■

Layer:

Space:

Shown as 5ft on MHFD-Detention calcs on page 433 of FDR. Revise to remove discrepancy or clarify that 5ft is an internal dimension and 6ft is an external dimension.



Subject: SW - Textbox with Arrow

Page Label: [40] C1.39 POND 3 PLAN

Author: Glenn Reese - EPC Stormwater

Date: 7/17/2024 10:34:32 AM

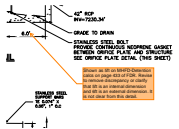
Status:

Color: ■

Layer:

Space:

For clarity and so there's not discrepancies between the plan and details, show the transition from the forebay to the trickle channel.



Subject: SW - Textbox with Arrow

Page Label: [41] C1.40 POND 3 DETAILS

Author: Glenn Reese - EPC Stormwater

Date: 7/17/2024 10:34:38 AM

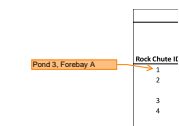
Status:

Color: ■

Layer:

Space:

Shown as 5ft on MHFD-Detention calcs on page 433 of FDR. Revise to remove discrepancy or clarify that 5ft is an internal dimension and 6ft is an external dimension. It is not clear from this detail.



Subject: SW - Textbox with Arrow

Page Label: [42] C1.41 ROCK CHUTE DETAILS

Author: Glenn Reese - EPC Stormwater

Date: 7/17/2024 10:34:49 AM

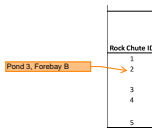
Status:

Color: ■

Layer:

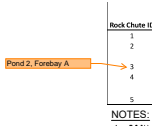
Space:

Pond 3, Forebay A



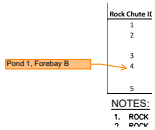
Subject: SW - Textbox with Arrow
Page Label: [42] C1.41 ROCK CHUTE DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:49 AM
Status:
Color: ■
Layer:
Space:

Pond 3, Forebay B



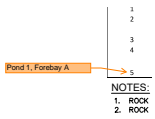
Subject: SW - Textbox with Arrow
Page Label: [42] C1.41 ROCK CHUTE DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:49 AM
Status:
Color: ■
Layer:
Space:

Pond 2, Forebay A



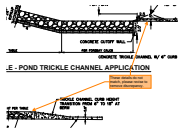
Subject: SW - Textbox with Arrow
Page Label: [42] C1.41 ROCK CHUTE DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:49 AM
Status:
Color: ■
Layer:
Space:

Pond 1, Forebay B



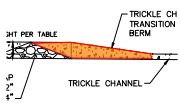
Subject: SW - Textbox with Arrow
Page Label: [42] C1.41 ROCK CHUTE DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:49 AM
Status:
Color: ■
Layer:
Space:

Pond 1, Forebay A

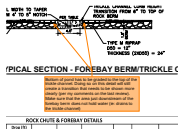


Subject: SW - Textbox with Arrow
Page Label: [42] C1.41 ROCK CHUTE DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:49 AM
Status:
Color: ■
Layer:
Space:

These details do not match, please revise to remove discrepancy.

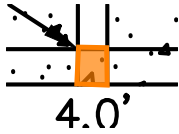


Subject: Polygon
Page Label: [42] C1.41 ROCK CHUTE DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:49 AM
Status:
Color: ■
Layer:
Space:



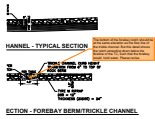
Subject: SW - Textbox with Arrow
Page Label: [42] C1.41 ROCK CHUTE DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:49 AM
Status:
Color: ■
Layer:
Space:

Bottom of pond has to be graded to the top of the trickle channel. Doing so on this detail will still create a transition that needs to be shown more clearly (per my comments on the last review). Make sure that the area just downstream of the forebay berm does not hold water (ie: drains to the trickle channel)



Subject: Polygon
Page Label: [42] C1.41 ROCK CHUTE DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:49 AM
Status:
Color: ■
Layer:
Space:

The bottom of the forebay notch should be at the same elevation as the flow line of the trickle channel. But this detail shows the notch extending down below the flowline of the TC, such that the forebay would hold water. Please revise.



Subject: SW - Textbox with Arrow
Page Label: [42] C1.41 ROCK CHUTE DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:49 AM
Status:
Color: ■
Layer:
Space:

Please add these labels so our inspectors do not have to cross reference to 3 different sheets to figure out which pond & forebay each chute corresponds to. Thanks.

Please add these labels so our inspectors do not have to cross reference to 3 different sheets to figure out which pond & forebay each chute corresponds to. Thanks.



Subject: SW - Textbox with Arrow
Page Label: [42] C1.41 ROCK CHUTE DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:49 AM
Status:
Color: ■
Layer:
Space:

Adding a detail that shows the transition from forebay to trickle channel would be really helpful.

Adding a detail that shows the transition from forebay to trickle channel would be really helpful.
 Also, it would help to add a note and/or linework that shows the pond bottom throughout each detail here.

Subject: SW - Textbox
Page Label: [42] C1.41 ROCK CHUTE DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:49 AM
Status:
Color: ■
Layer:
Space:

Also, it would help to add a note and/or linework that shows the pond bottom throughout each detail here.