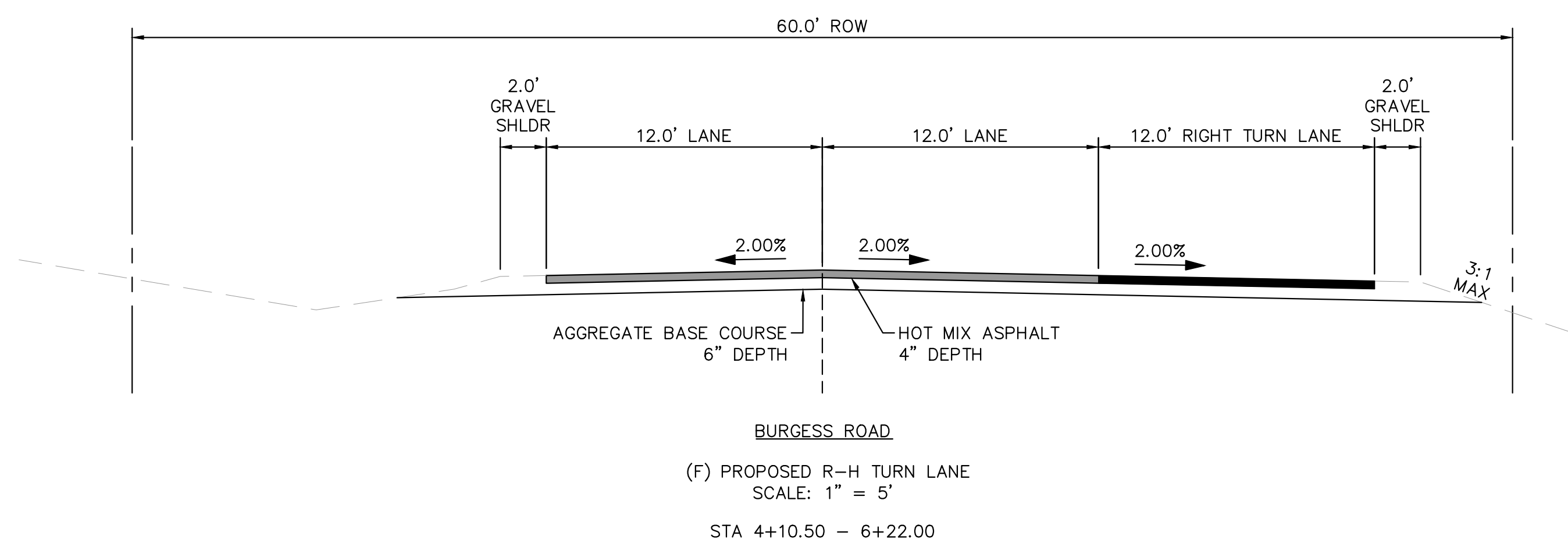






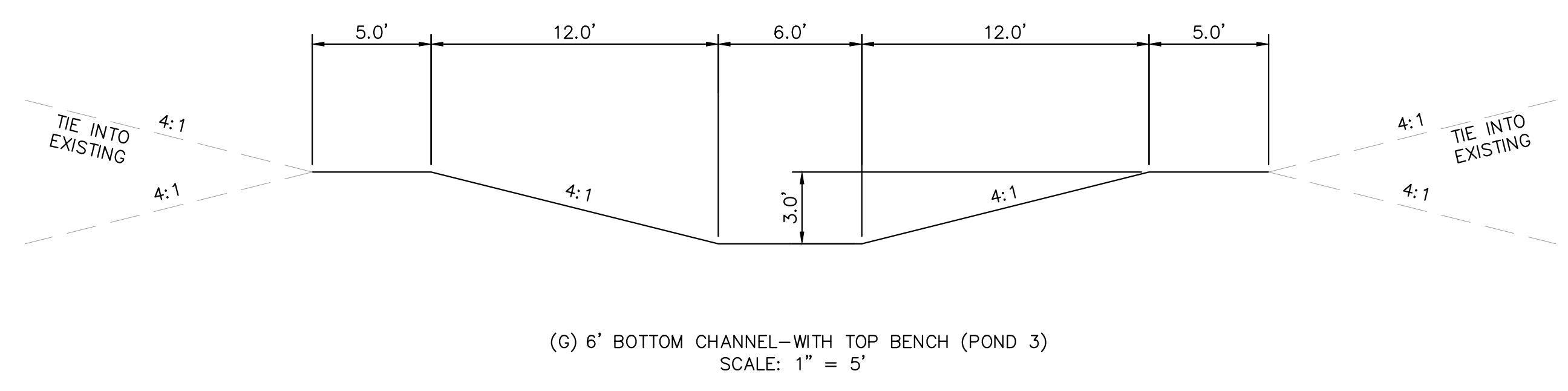
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**OFF-SITE ROADWAY TYPICAL SECTIONS**



	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

**DRAINAGE CHANNEL CROSS SECTIONS**



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: 04/18/2023

EAGLEVIEW  
 EL PASO COUNTY, COLORADO  
 CONSTRUCTION DOCUMENTS  
 TYPICAL SECTIONS

**PRELIMINARY**  
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 NOT FOR CONSTRUCTION  
**Kimley»Horn**  
 Kimley-Horn and Associates, Inc.

PROJECT NO.  
 196106001  
 SHEET

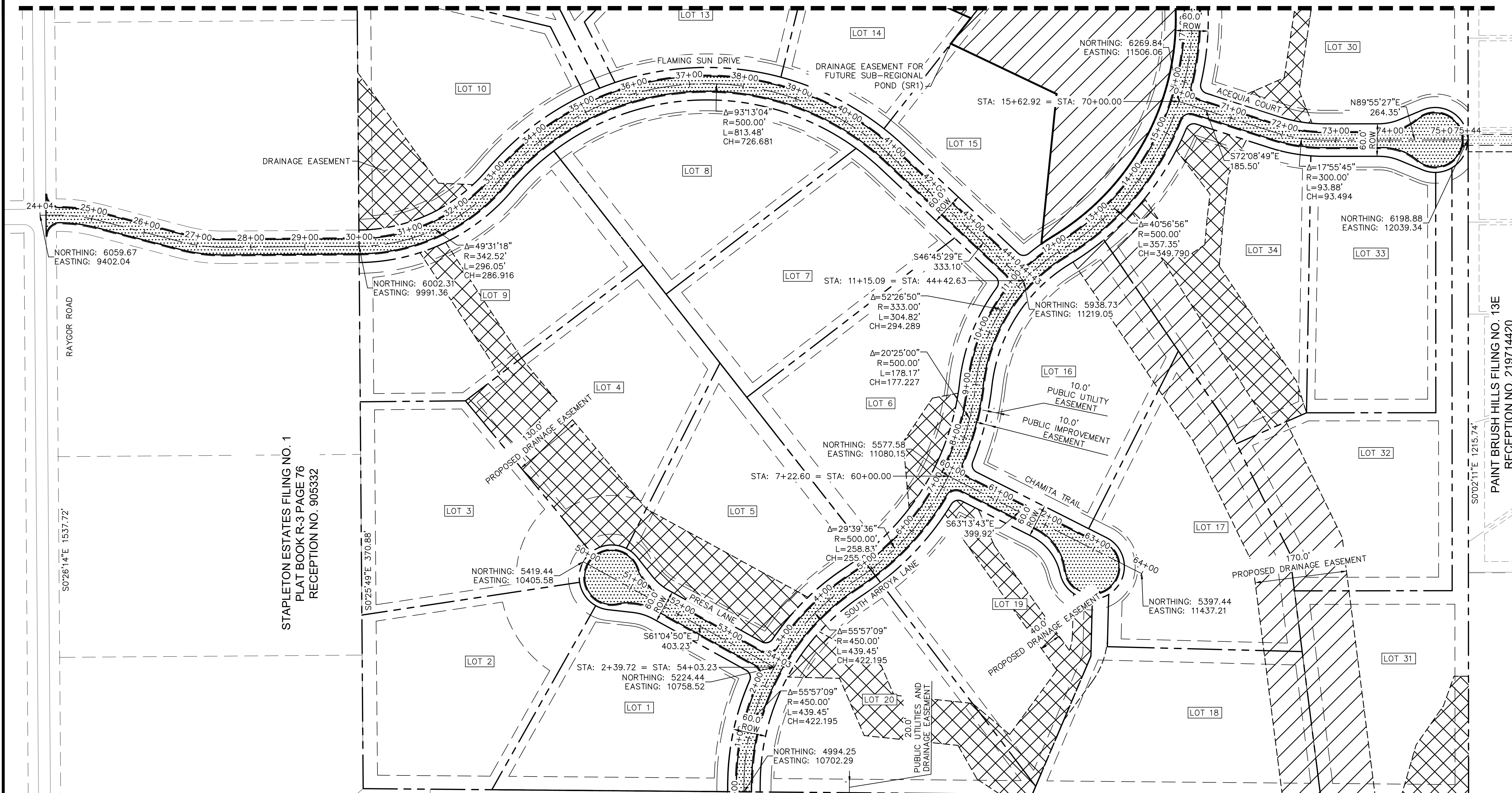
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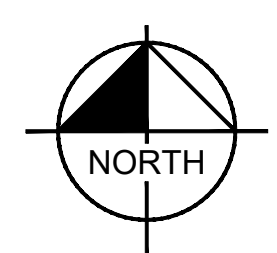
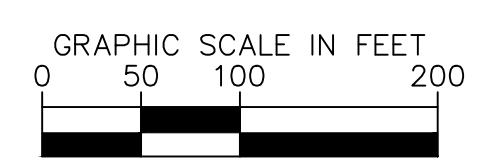
MATCHLINE SEE SHEET C1.4 FOR CONTINUATION



STAPLETON ESTATES FILING NO. 1  
PLAT BOOK R-3 PAGE 76  
RECEPTION NO. 905332

STAPLETON ESTATES FILING NO. 1  
PLAT BOOK R-3 PAGE 76  
RECEPTION NO. 905332

UNPLATTED  
(SERGIU & DANELA BOTOLIN)



LEGEND

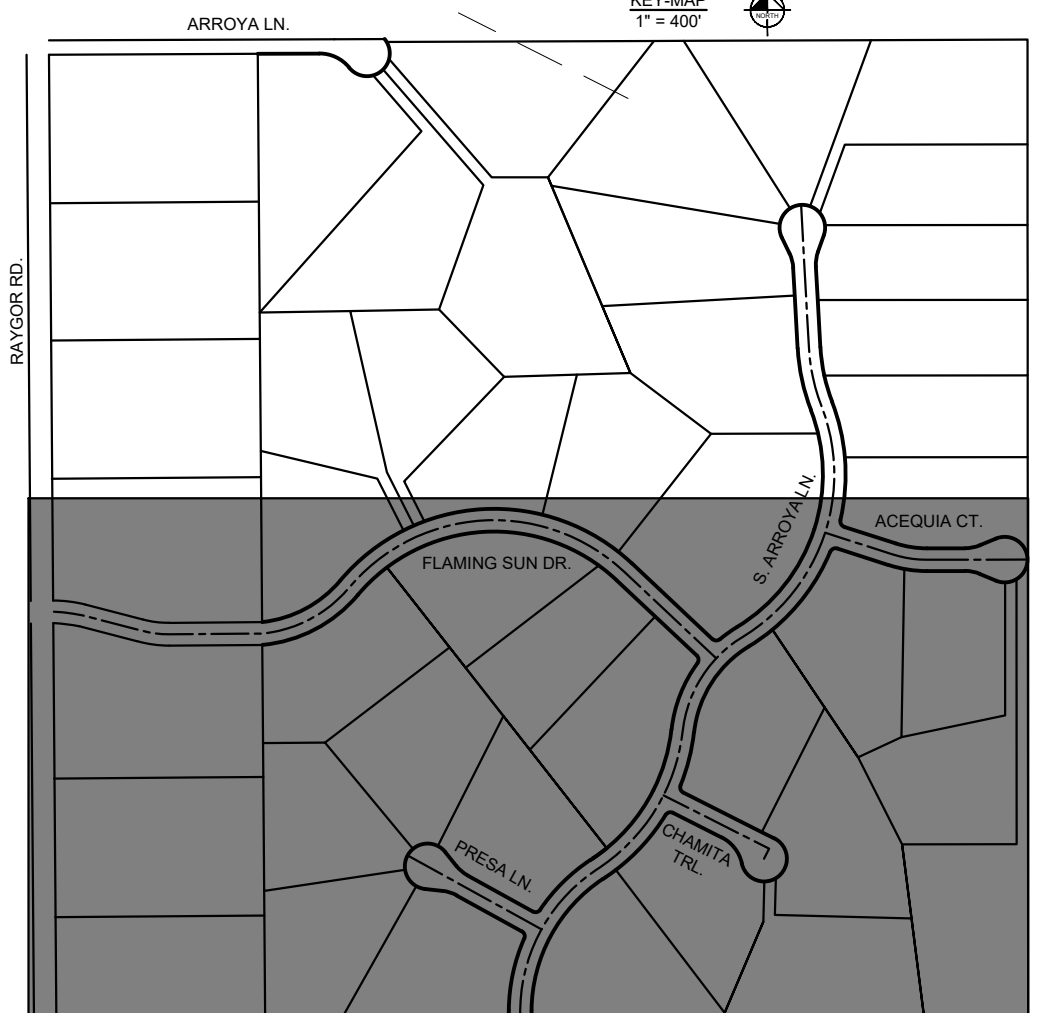
- PROPERTY/LOT LINE
- ROW LINE
- LOT # LOT NUMBER
- - - - - PROPOSED DRAINAGE EASEMENT
- [Cross-hatched box] PROPOSED DRAINAGE EASEMENT (METRO DISTRICT MAINTENANCE)
- [Diagonal hatched box] PROPOSED DRAINAGE EASEMENT (COUNTY MAINTENANCE)

BENCHMARK

CONTROL POINTS AS SHOWN HEREON. ELEVATIONS ARE BASED ON CITY OF COLORADO SPRINGS FIMS MONUMENT F\_65. PANEL POINTS 50 FOUND AT THE 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



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  
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CHECKED BY: KRK  
DATE: 04/18/2023

EAGLEVIEW  
EL PASO COUNTY, COLORADO  
CONSTRUCTION DOCUMENTS  
**HORIZONTAL CONTROL PLAN**

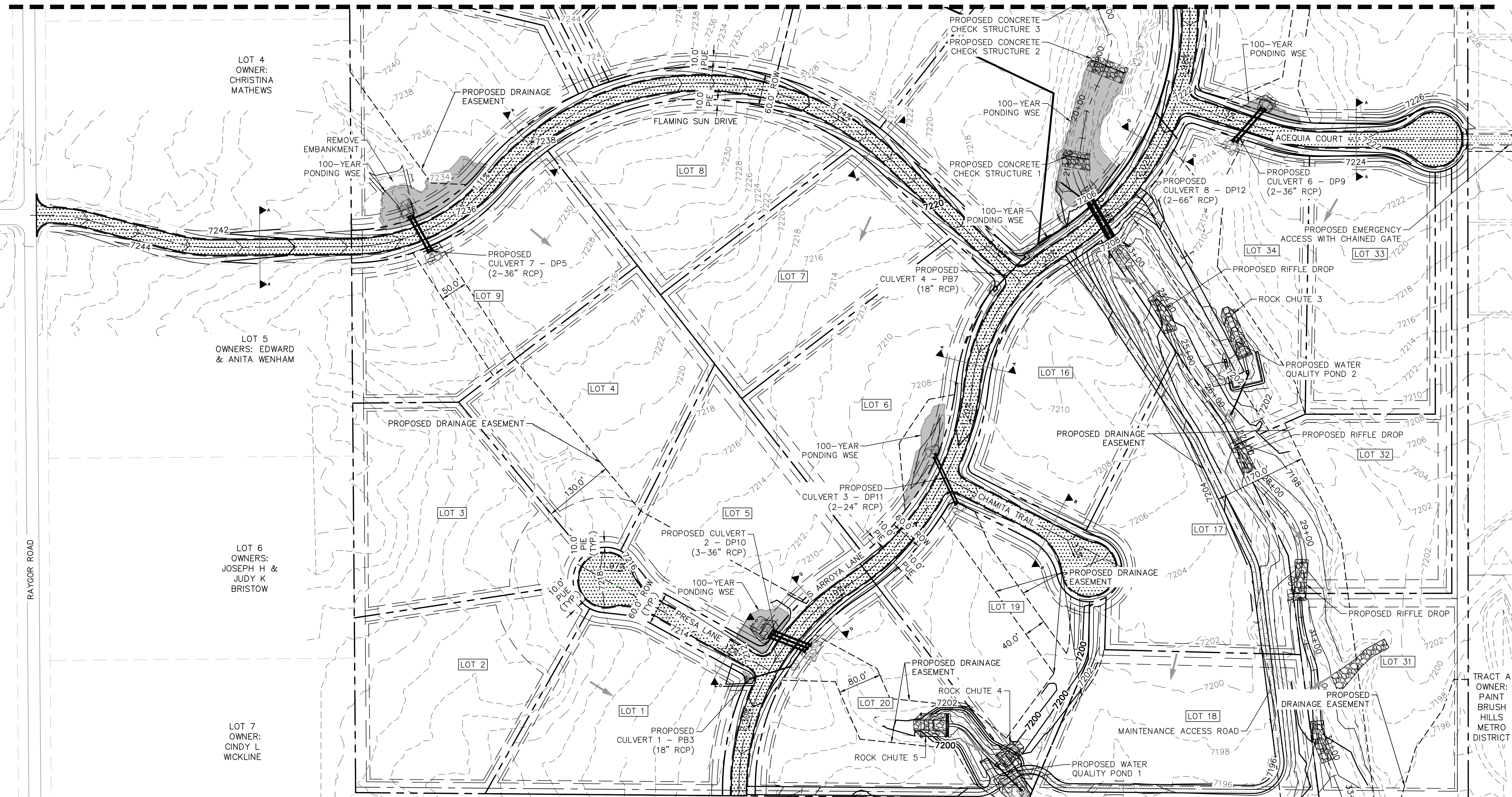
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Kimley-Horn and Associates, Inc.

PROJECT NO.  
196106001  
SHEET

C1.5



MATCHLINE SEE SHEET C1.6 FOR CONTINUATION



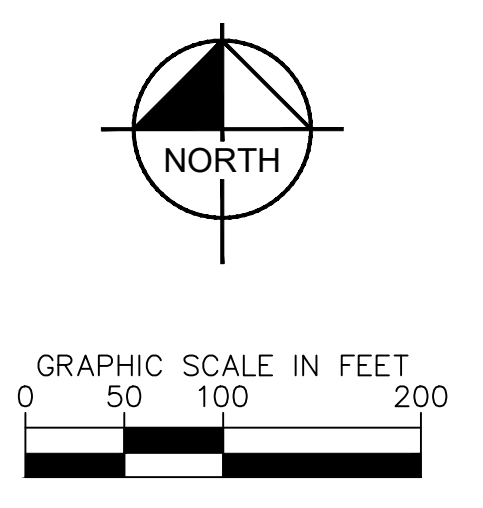
RAYGOR ROAD

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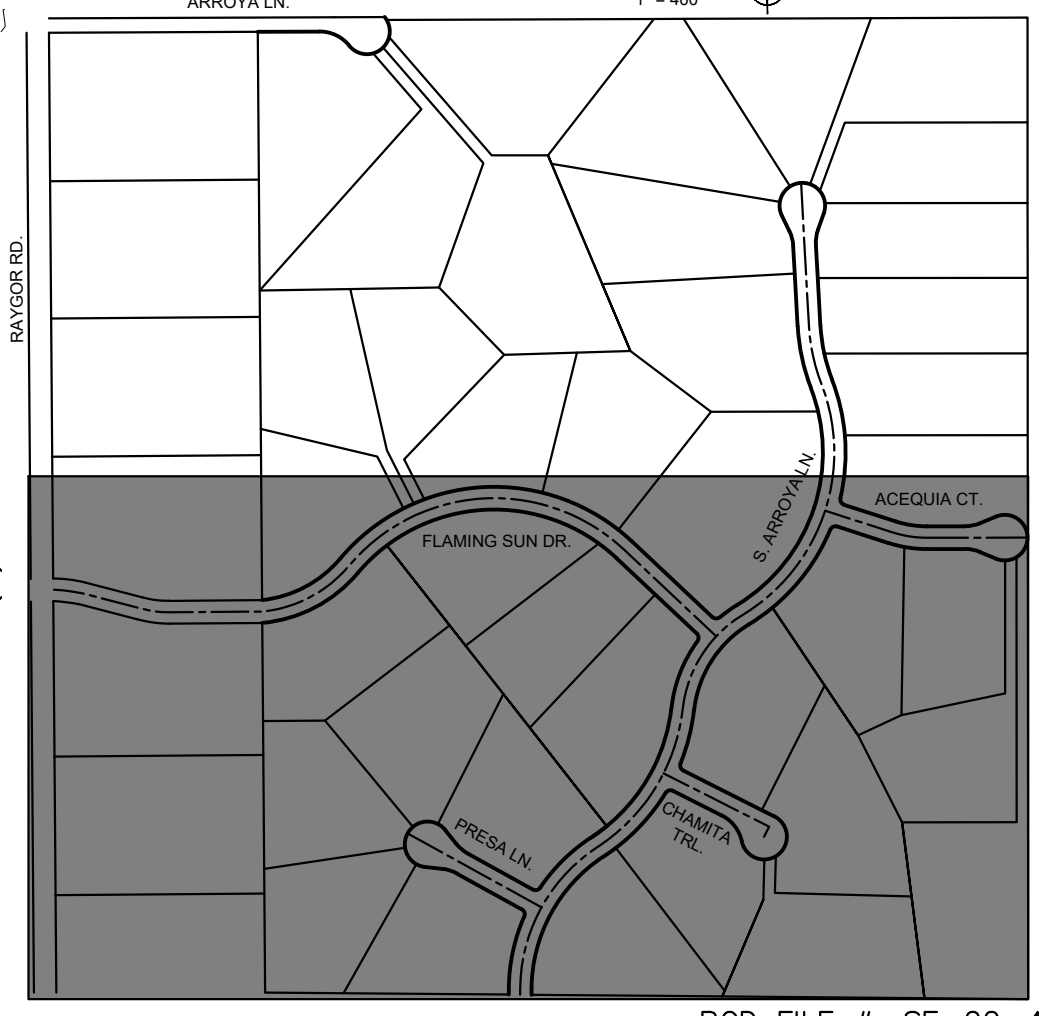
**811** Know what's below. Call before you dig.

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



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



NO.	REVISION	BY	DATE	APPR

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EAGLEVIEW  
 EL PASO COUNTY, COLORADO  
 CONSTRUCTION DOCUMENTS  
**GRADING PLAN**

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

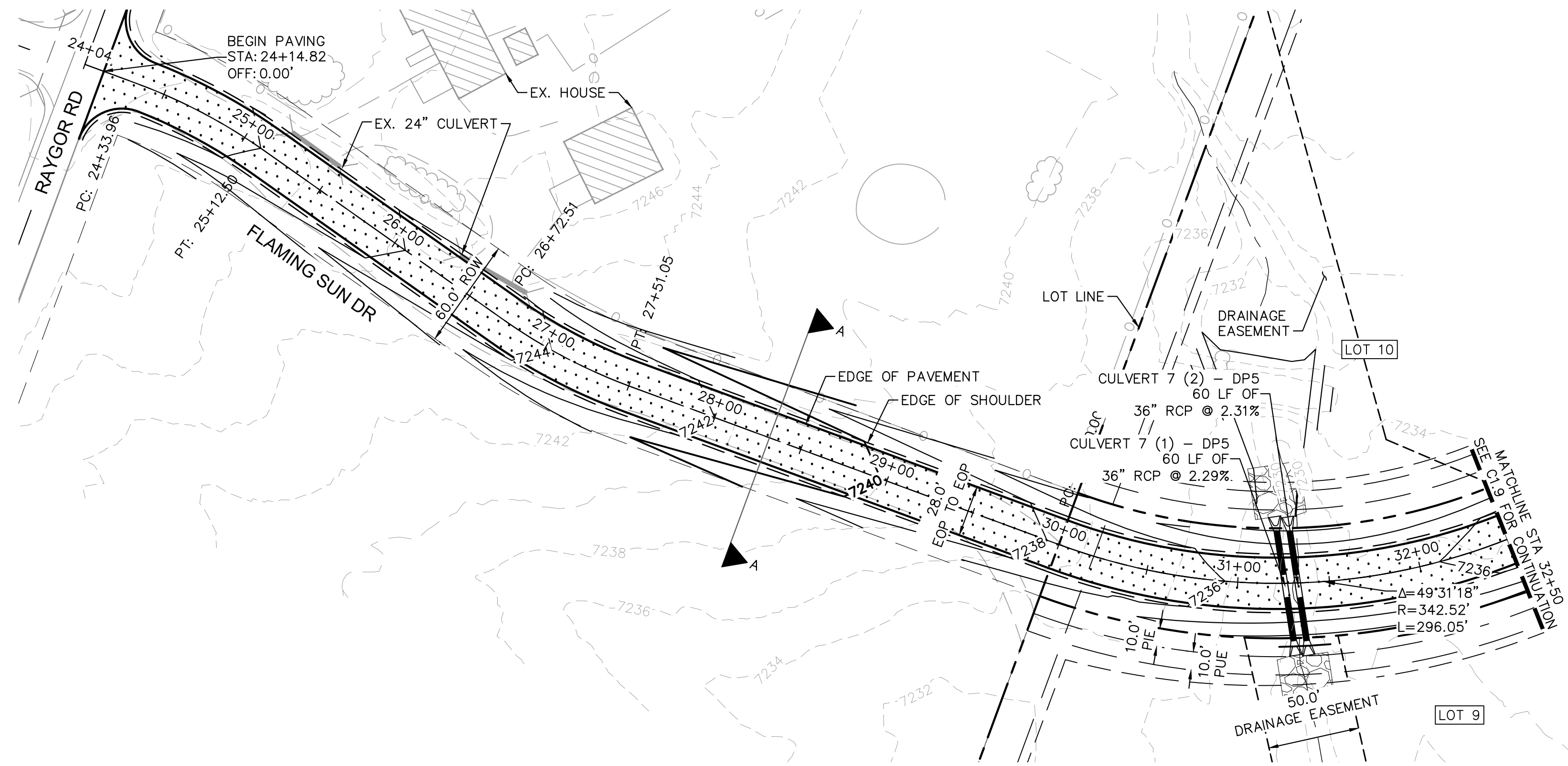
PROJECT NO.  
 196106001

SHEET  
**C1.7**

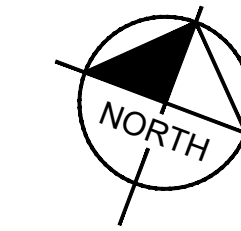
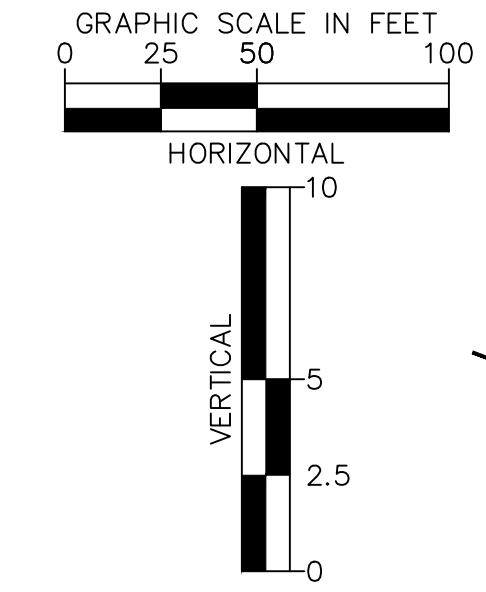
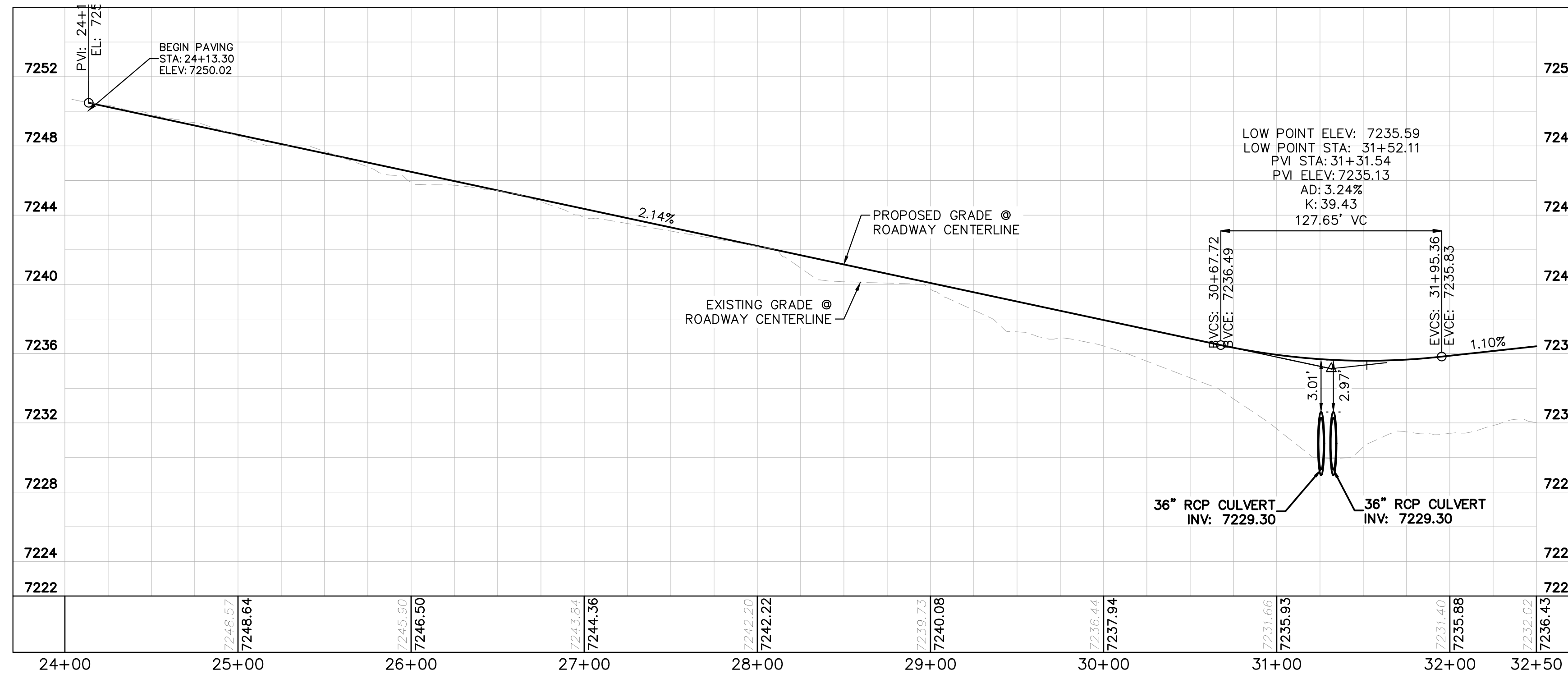
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FLAMING SUN DR. PROFILE  
STA: 24+00 TO 32+50

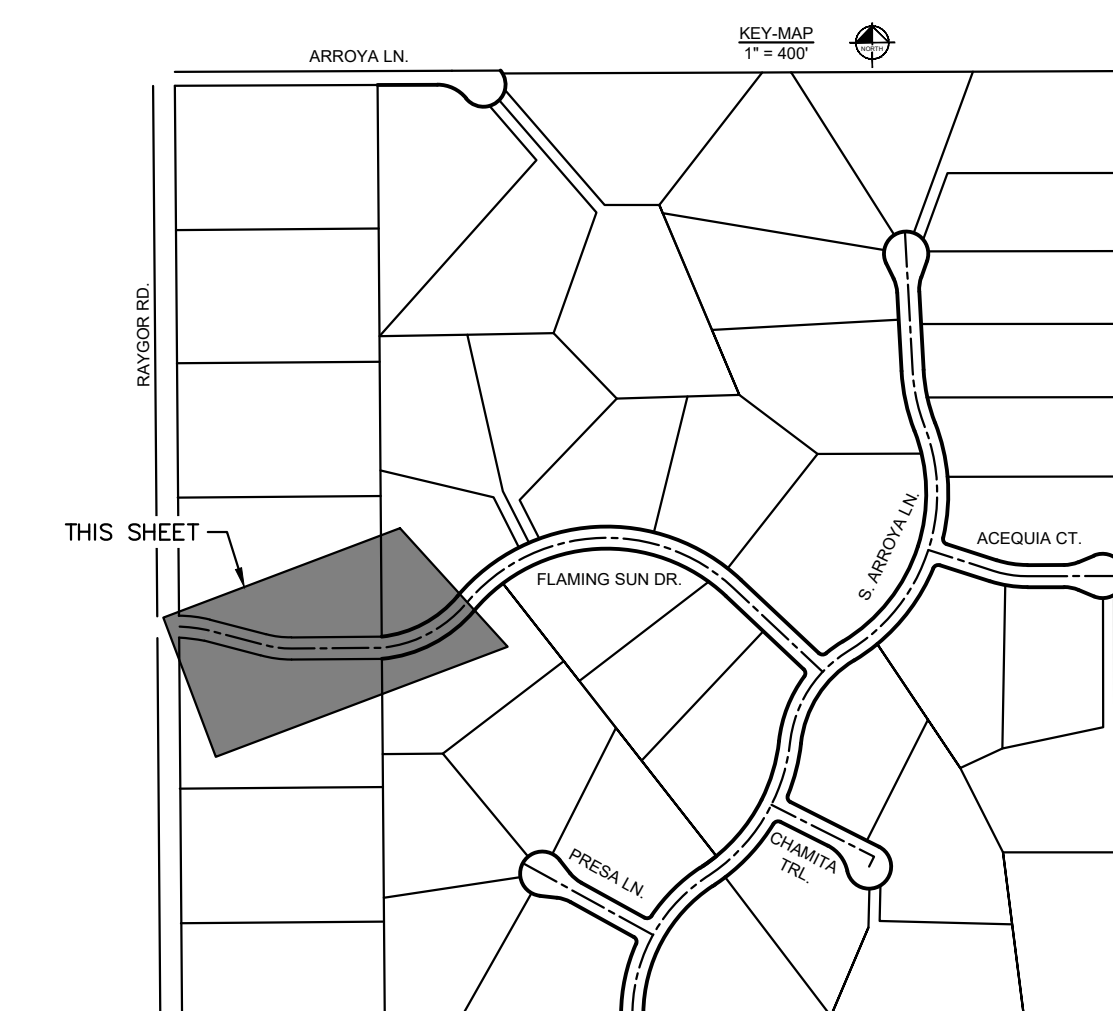


LEGEND

- 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

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.

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

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PROJECT NO.  
196106001

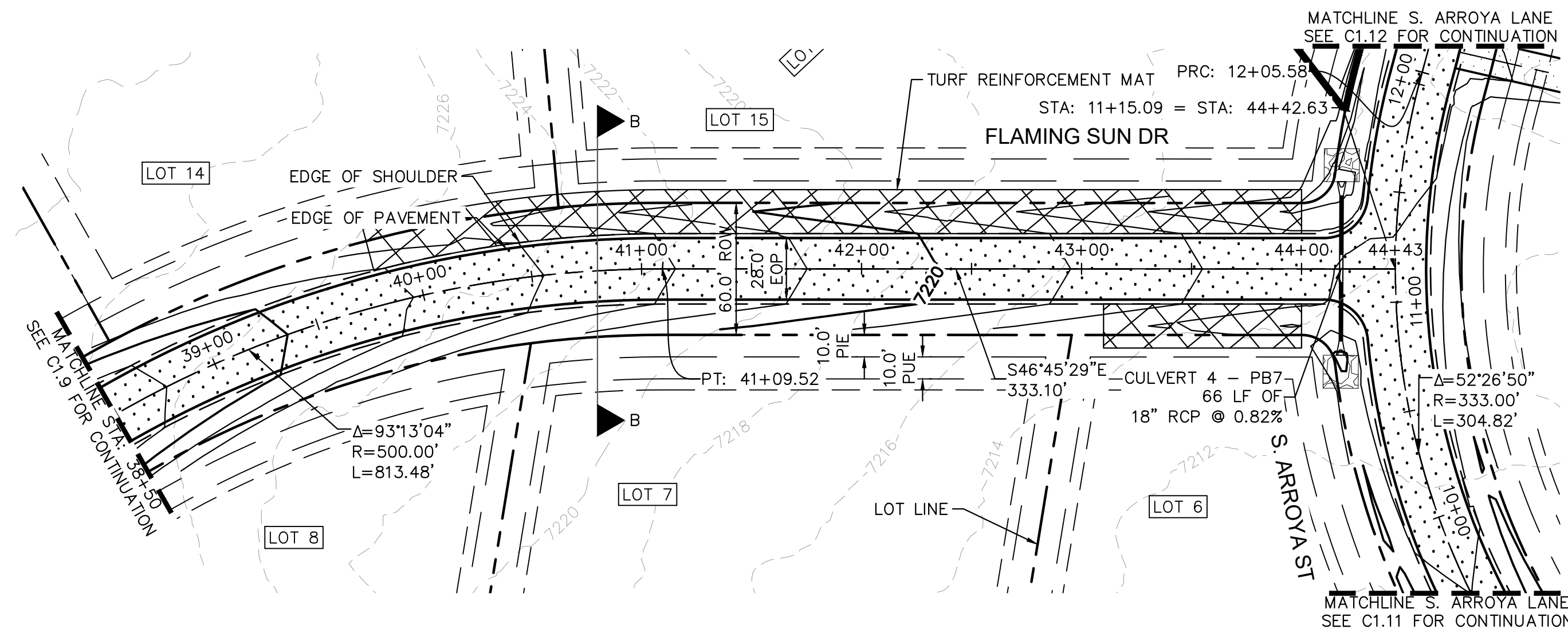
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C1.8

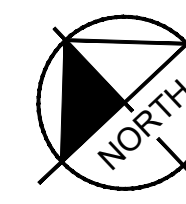
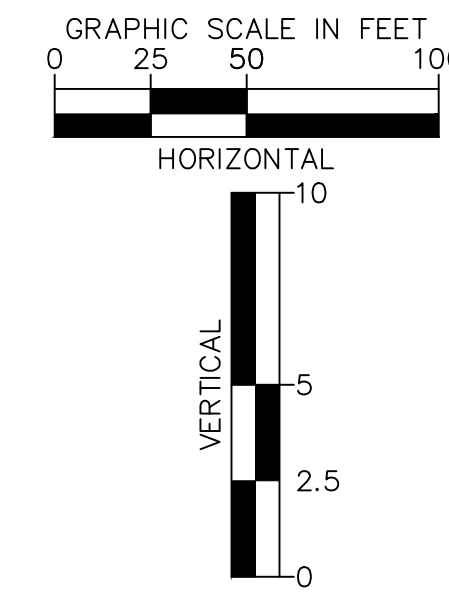
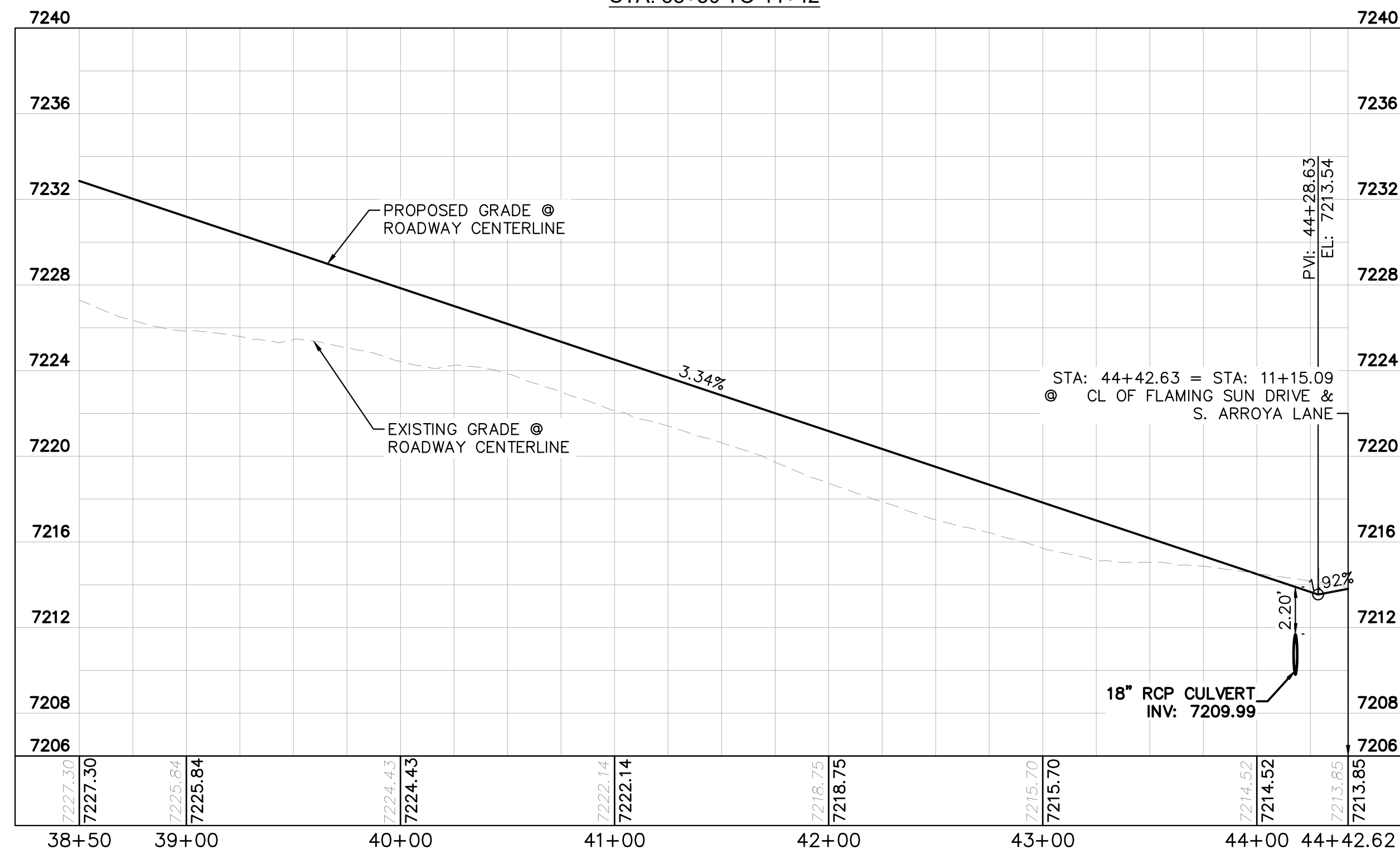
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FLAMING SUN DR. PROFILE  
STA: 38+50 TO 44+42

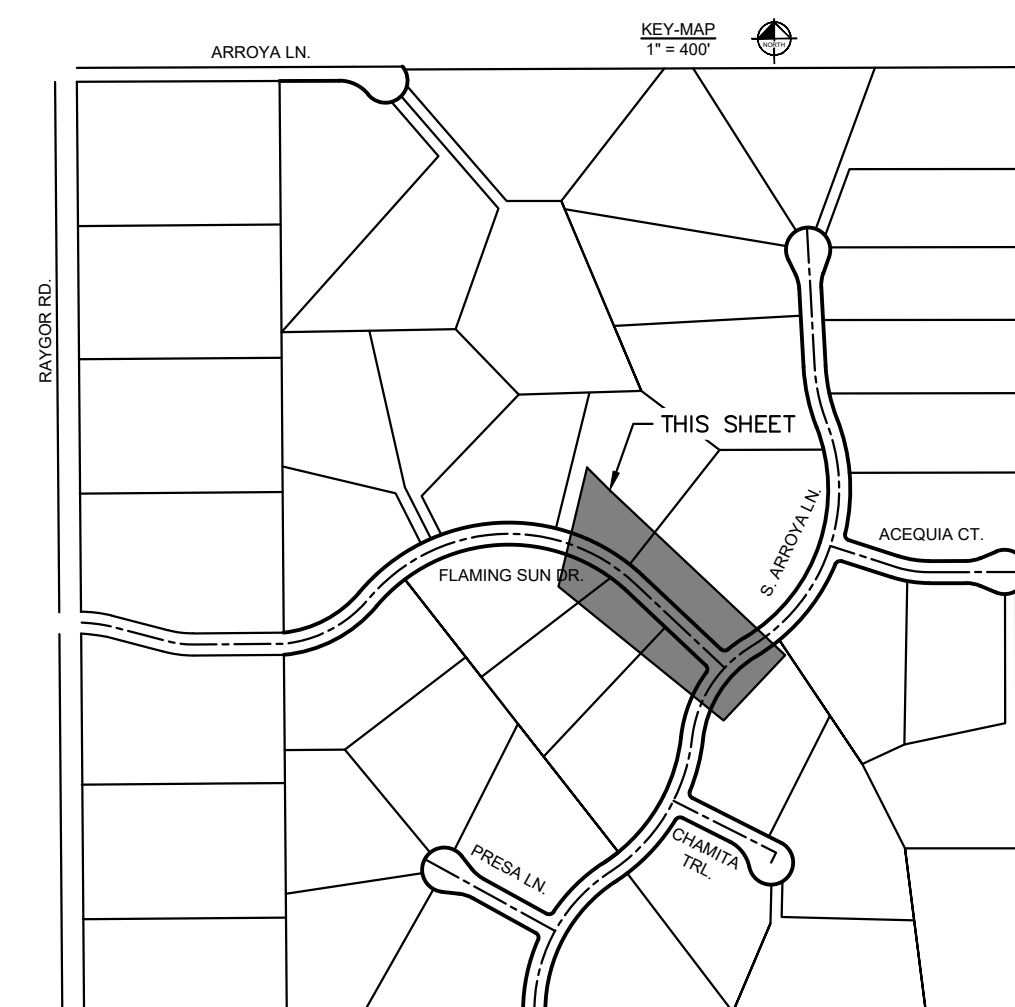


LEGEND

- PROPERTY/LOT LINE
- ROW LINE
- UTILITY EASEMENT LINE
- LOT #
- 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
- XXXX TURF REINFORCEMENT MAT

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

DESIGNED BY: MJK  
 DRAWN BY: MJK  
 CHECKED BY: KKK  
 DATE: 04/18/2023

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

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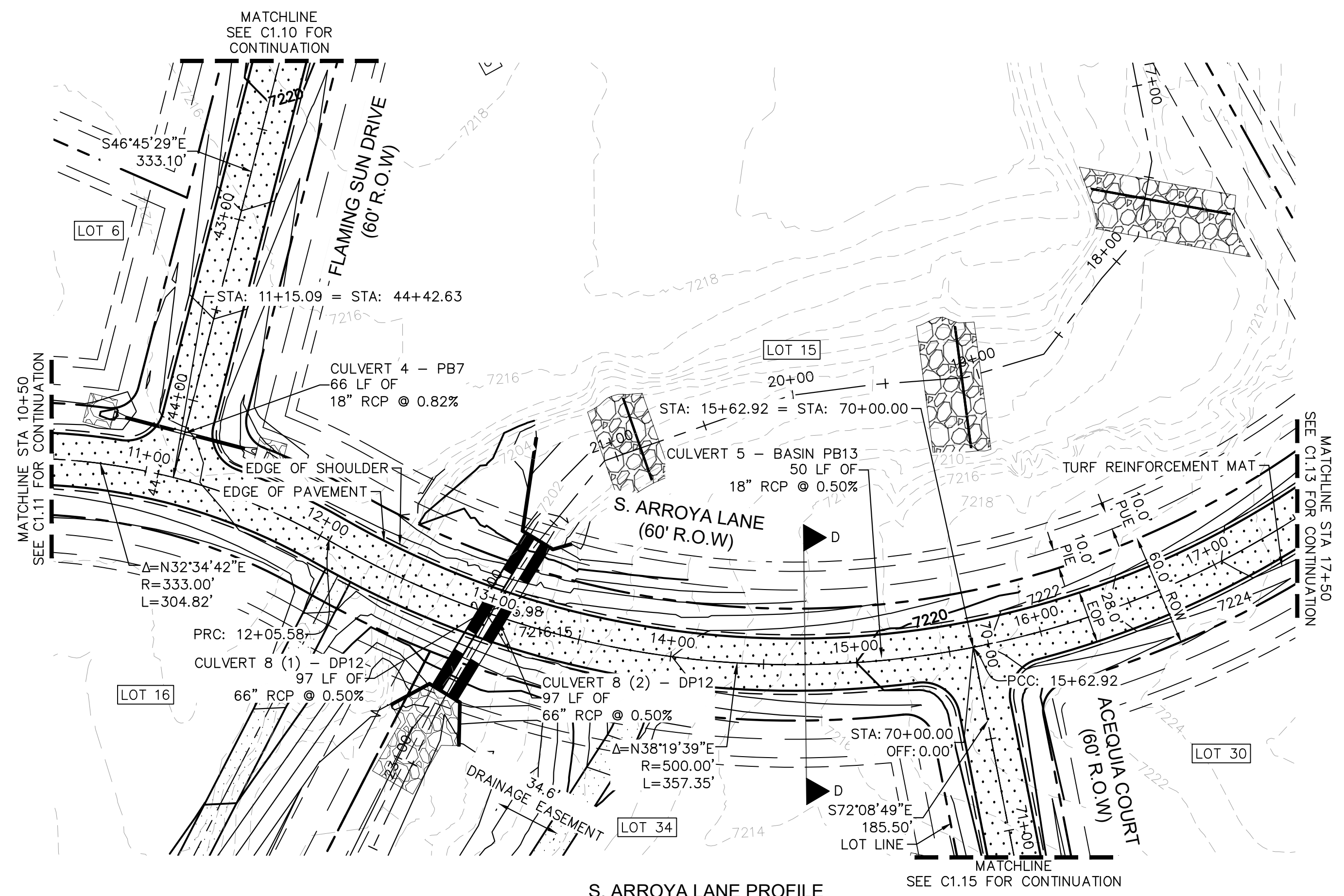
PROJECT NO.  
 196106001  
 SHEET

**C1.10**

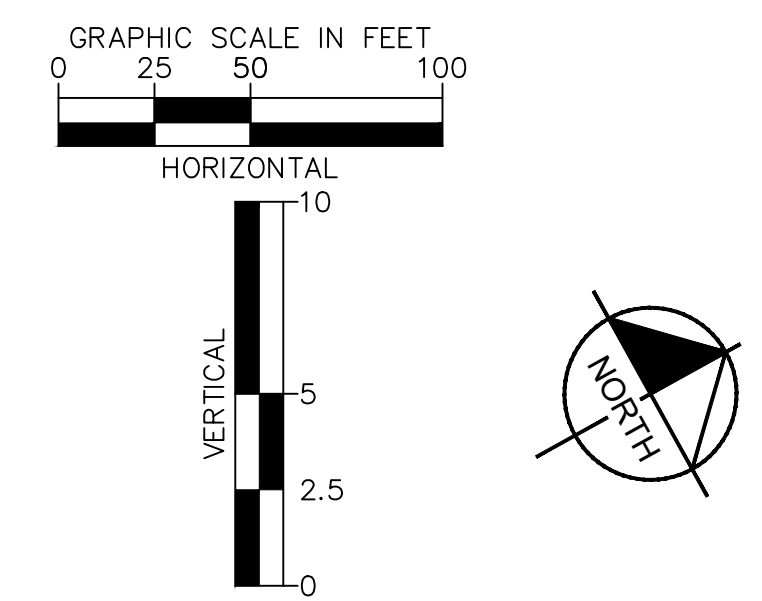
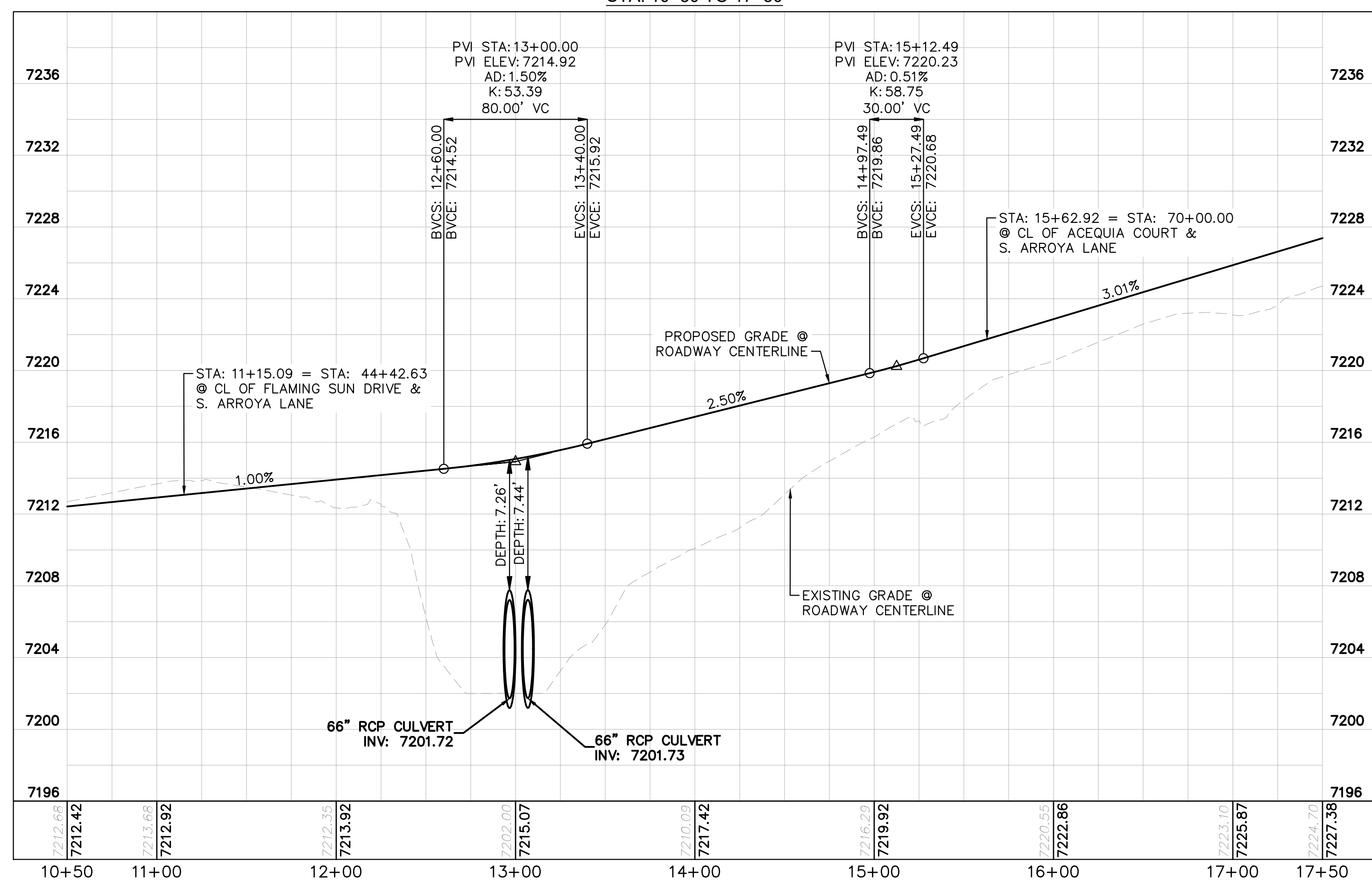
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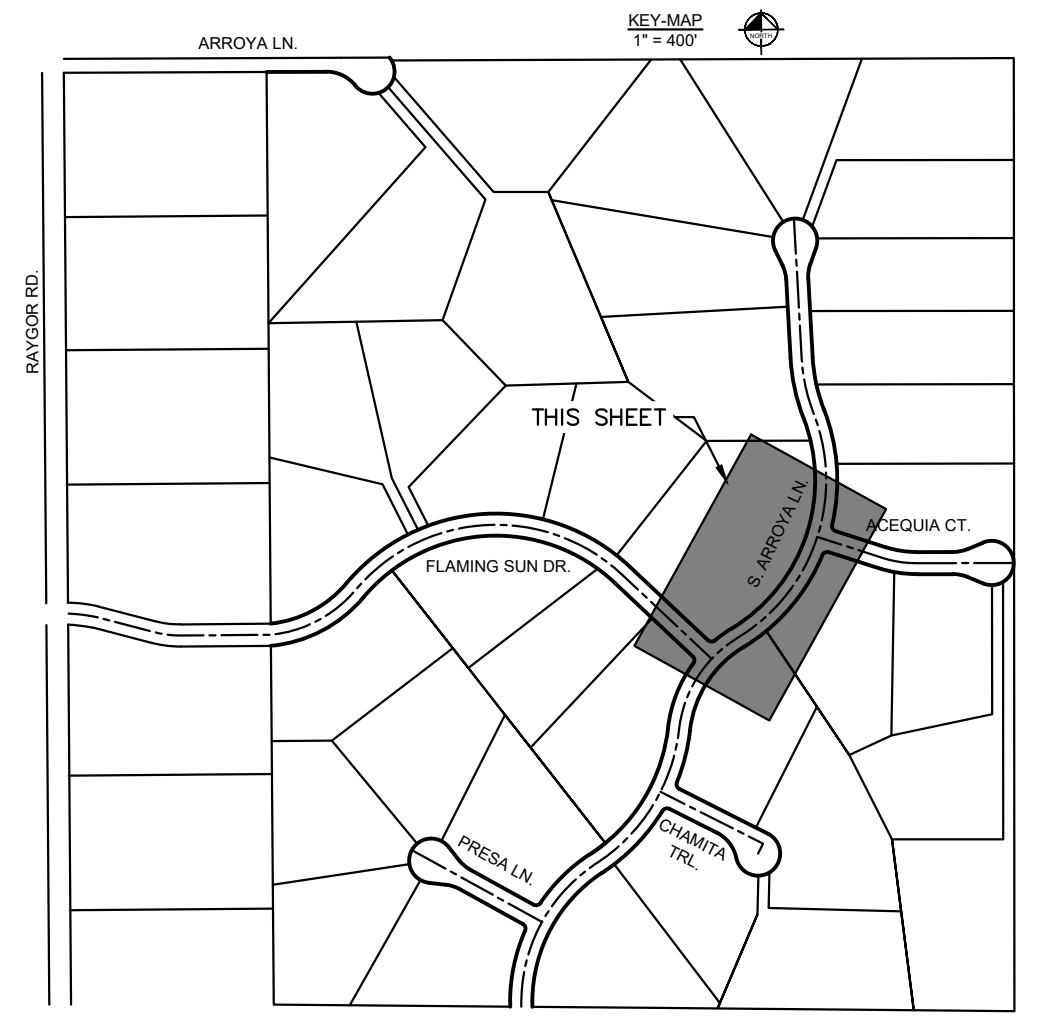
S. ARROYA LANE PROFILE  
STA: 10+50 TO 17+50



- LEGEND
- PROPERTY/LOT LINE
  - ROW LINE
  - UTILITY EASEMENT LINE
  - LOT # LOT NUMBER
  - x-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
  - XXXXX TURF REINFORCEMENT MAT

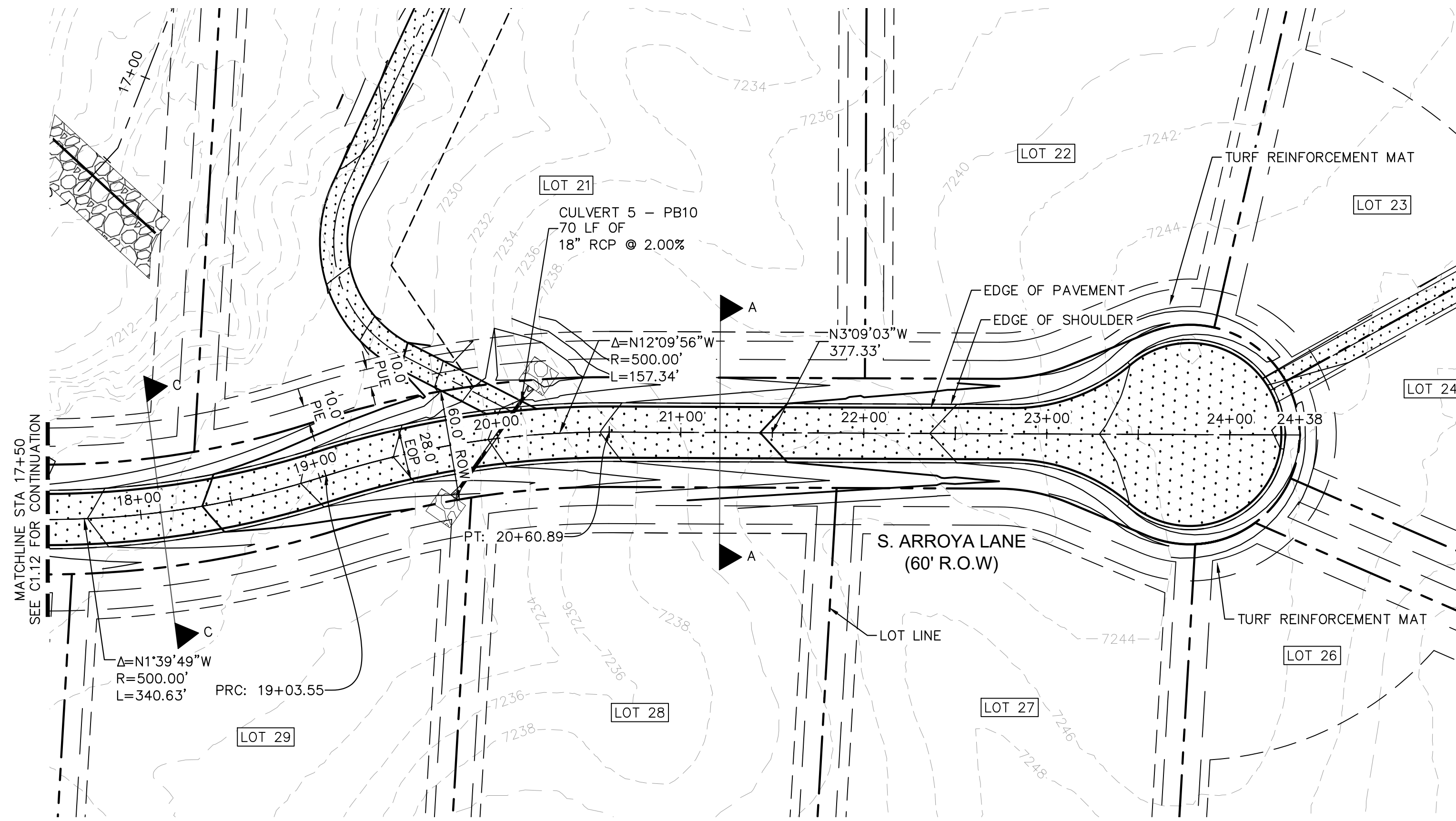
NOTES

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

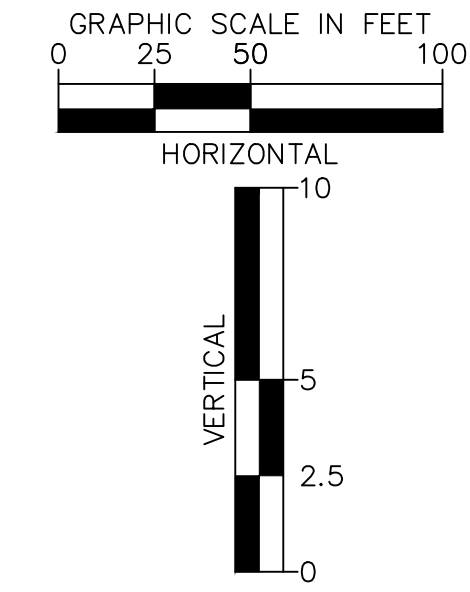
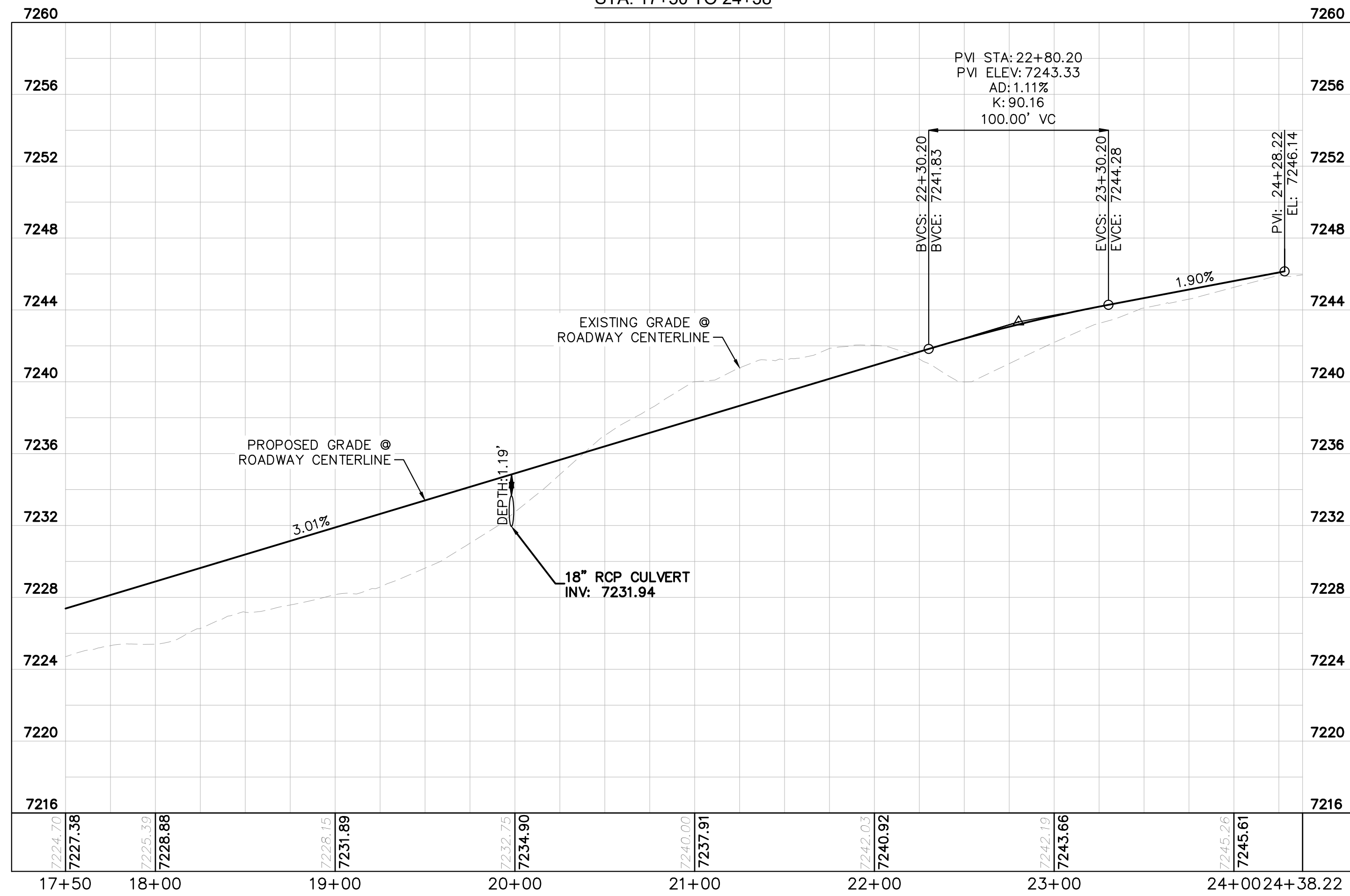


<p><b>Kimley»Horn</b></p> <p>2024 KIMLEY-HORN AND ASSOCIATES, INC. 2 North Nevada Avenue Suite 900 Colorado Springs, Colorado 80903 (719) 453-0180</p>	<p>DESIGNED BY: MJK DRAWN BY: MJK CHECKED BY: KKK DATE: 04/18/2023</p>
<p>EAGLEVIEW EL PASO COUNTY, COLORADO CONSTRUCTION DOCUMENTS S. ARROYA LN. PLAN &amp; PROFILE</p>	<p>PRELIMINARY FOR REVIEW ONLY NOT FOR CONSTRUCTION</p> <p>PROJECT NO. 196106001</p> <p>SHEET <b>C1.12</b></p>
<p>NO. REVISION BY DATE APPR.</p>	

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

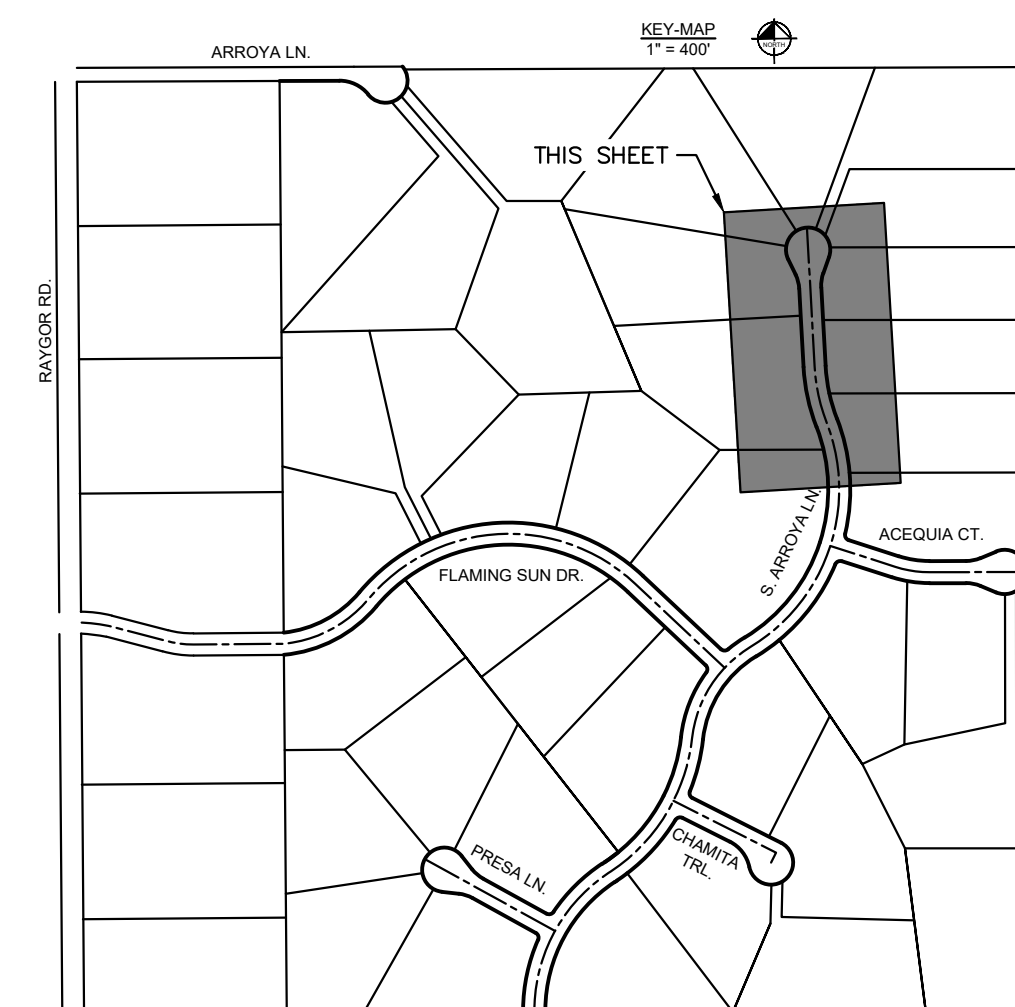


LEGEND

- PROPERTY/LOT LINE
- ROW LINE
- UTILITY EASEMENT LINE
- LOT # LOT NUMBER
- x-x- PROPOSED DRAINAGE EASEMENT
- ▲▲ 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
- XXXX TURF REINFORCEMENT MAT

NOTES

1. SEE SHEET C1.1 FOR TYPICAL ROADWAY SECTIONS AND ROADSIDE DITCH CONFIGURATIONS AS LABELED IN PLAN VIEW.
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DESIGNED BY: MJK  
DRAWN BY: MJK  
CHECKED BY: KKK  
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EAGLEVIEW  
EL PASO COUNTY, COLORADO  
CONSTRUCTION DOCUMENTS  
S. ARROYA LN. PLAN & PROFILE

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Kimley-Horn and Associates, Inc.

PROJECT NO.  
196106001  
SHEET

C1.13

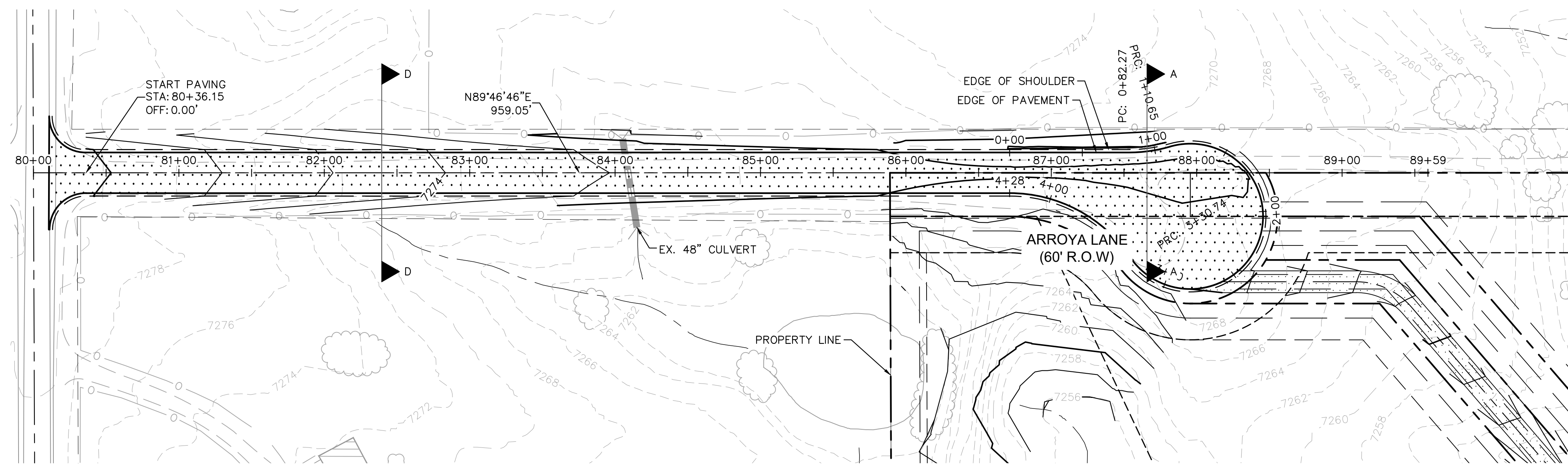
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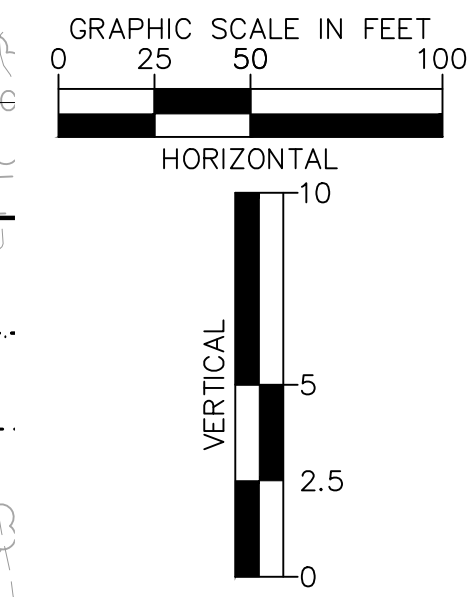




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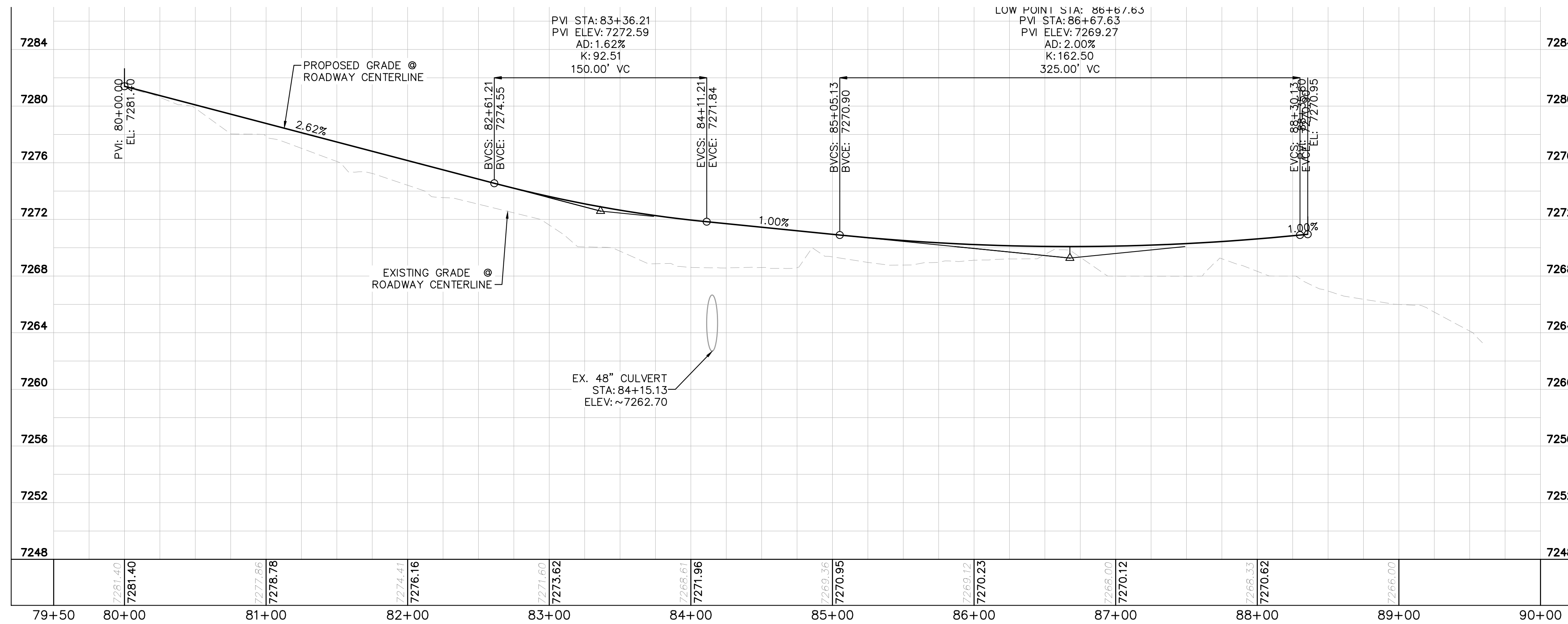


ARROYA LANE PLAN VIEW

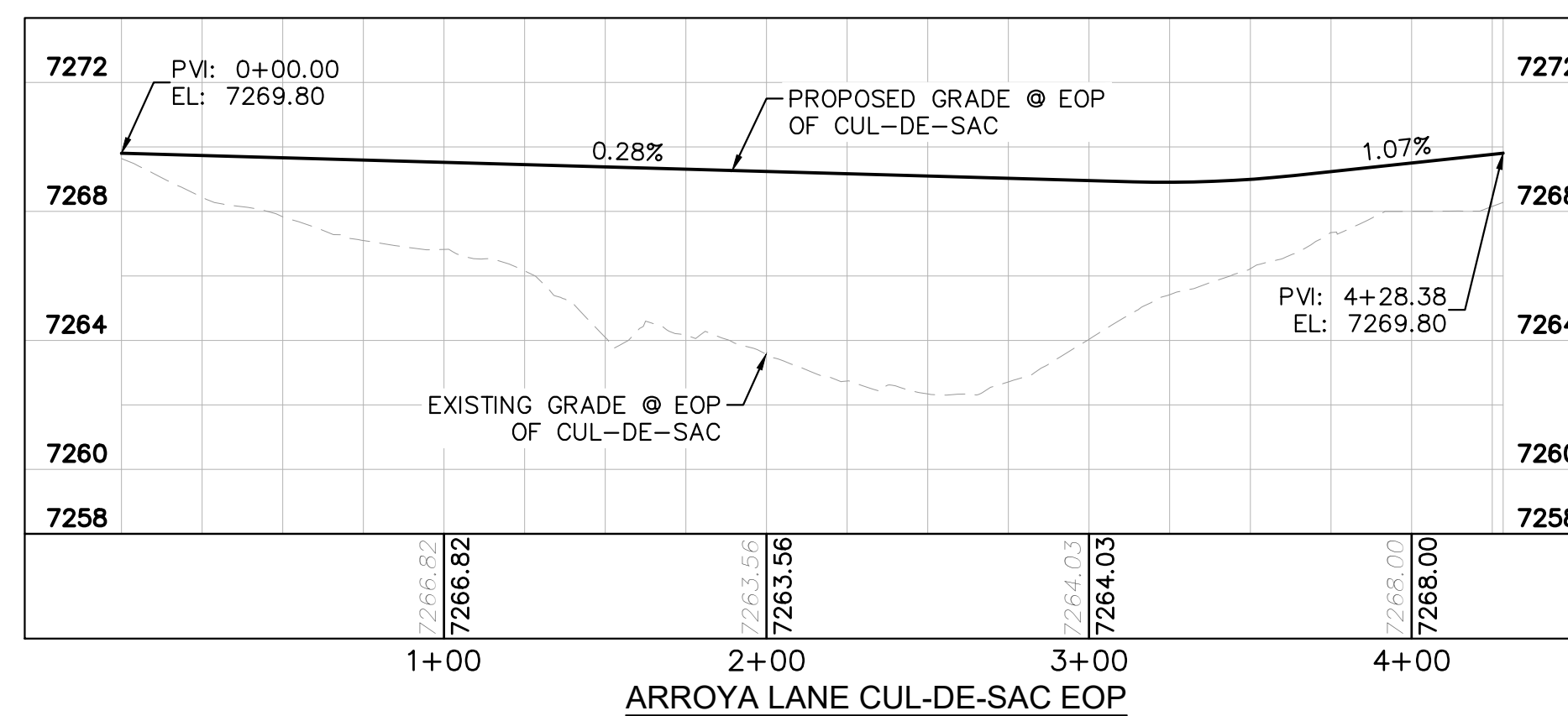


LEGEND

- 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



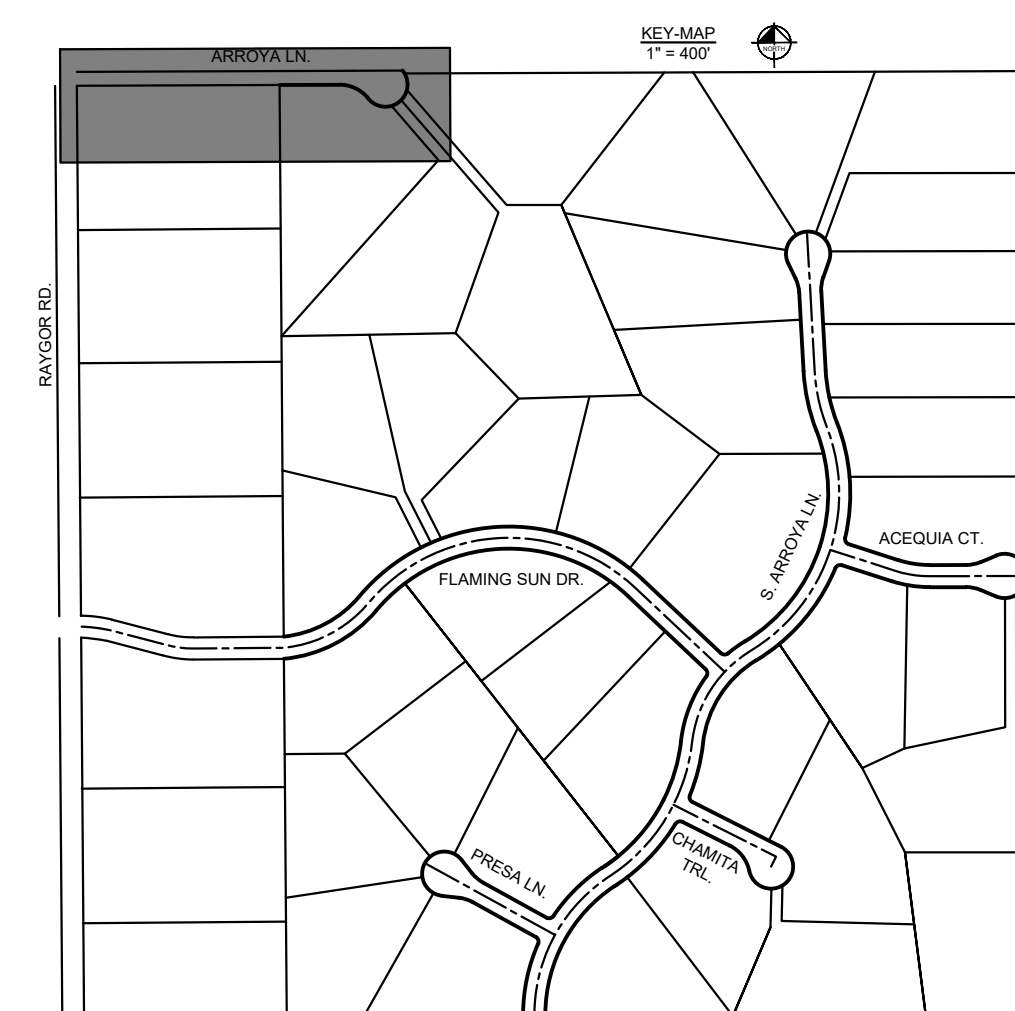
ARROYA LANE PROFILE VIEW



ARROYA LANE CUL-DE-SAC EOP

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

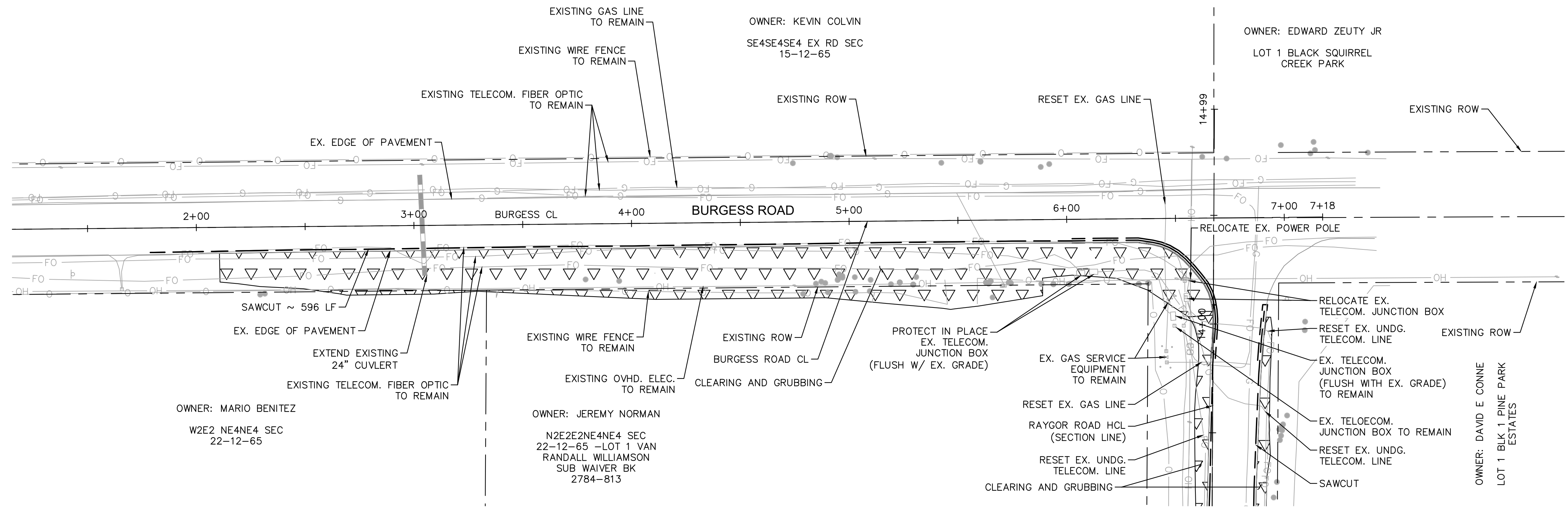
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 196106001

SHEET

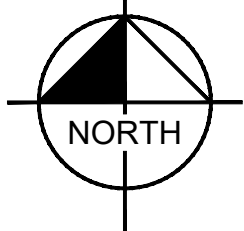
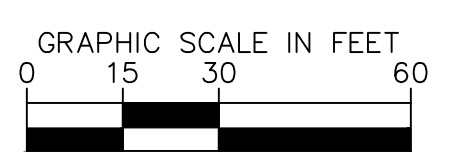
**C1.16**

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**LEGEND**

	PROPERTY/LOT LINE
	ROW LINE
	SAWCUT
	EX. CULVERT
	EX. TELECOM. FIBER OPTIC
	EX. GAS LINE
	EX. OVHD ELECTRIC
	EX. WIRE FENCE
	CLEARING AND GRUBBING



OWNER: MARIO BENITEZ  
W2E2 NE4NE4 SEC  
22-12-65

OWNER: JEREMY NORMAN  
N2E2E2NE4NE4 SEC  
22-12-65 -LOT 1 VAN  
RANDALL WILLIAMSON  
SUB WAIVER BK  
2784-813

OWNER: KEVIN COLVIN  
SE4SE4SE4 EX RD SEC  
15-12-65

OWNER: EDWARD ZEUTY JR  
LOT 1 BLACK SQUIRREL  
CREEK PARK

OWNER: DAVID E CONNE  
LOT 1 BLK 1 PINE PARK  
ESTATES



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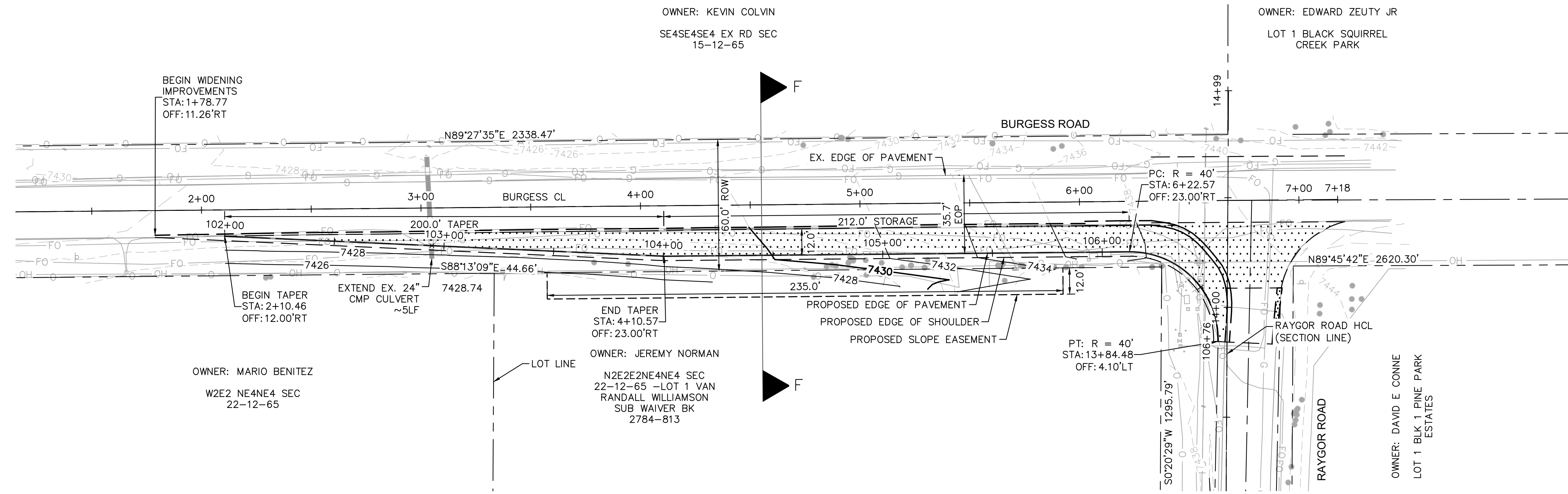
EAGLEVIEW  
EL PASO COUNTY, COLORADO  
CONSTRUCTION DOCUMENTS  
**BURGESS REMOVE & RESET PLAN**

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

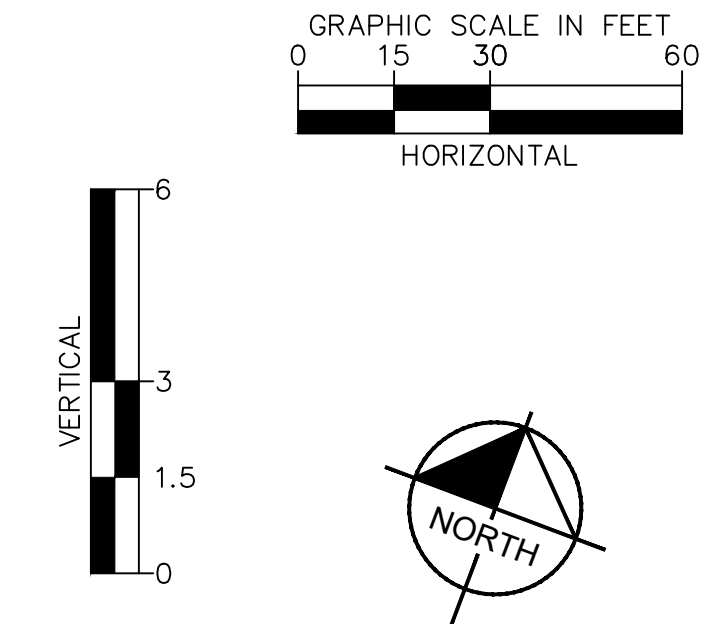
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SHEET

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**BURGESS ROAD - RT EOP PLAN VIEW**  
STA: 2+00 - 6+50

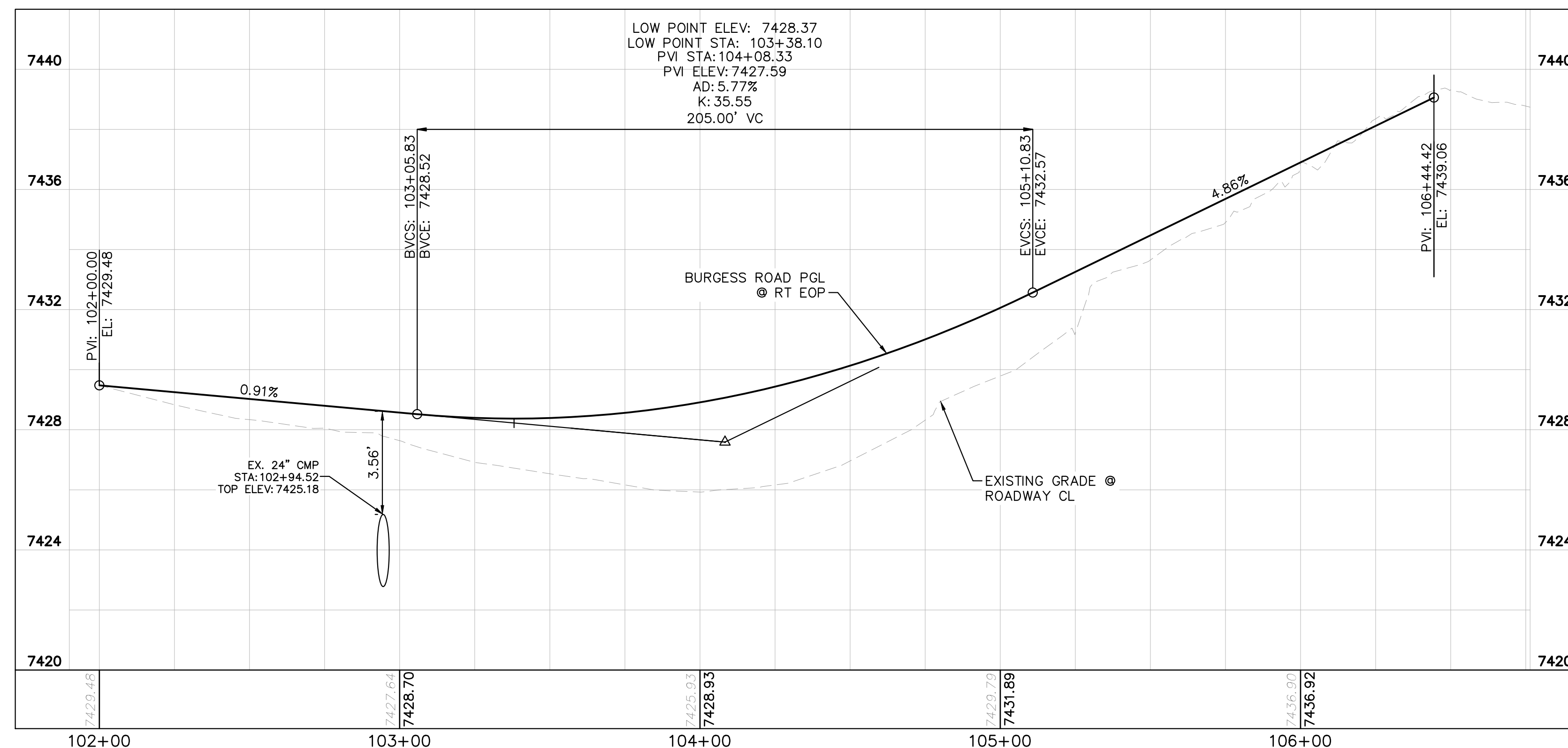


**LEGEND**

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

**NOTES**

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



**BURGESS ROAD - RT EOP PROFILE**  
STA: 2+00 - 6+50

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: KKR  
DATE: 04/18/2023

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

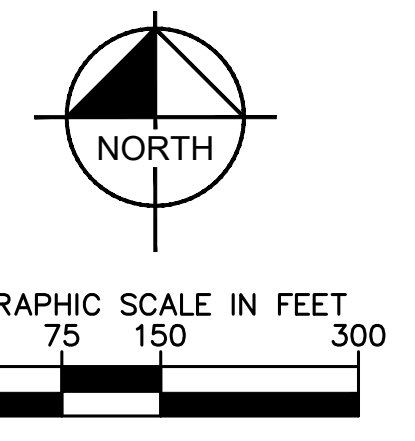
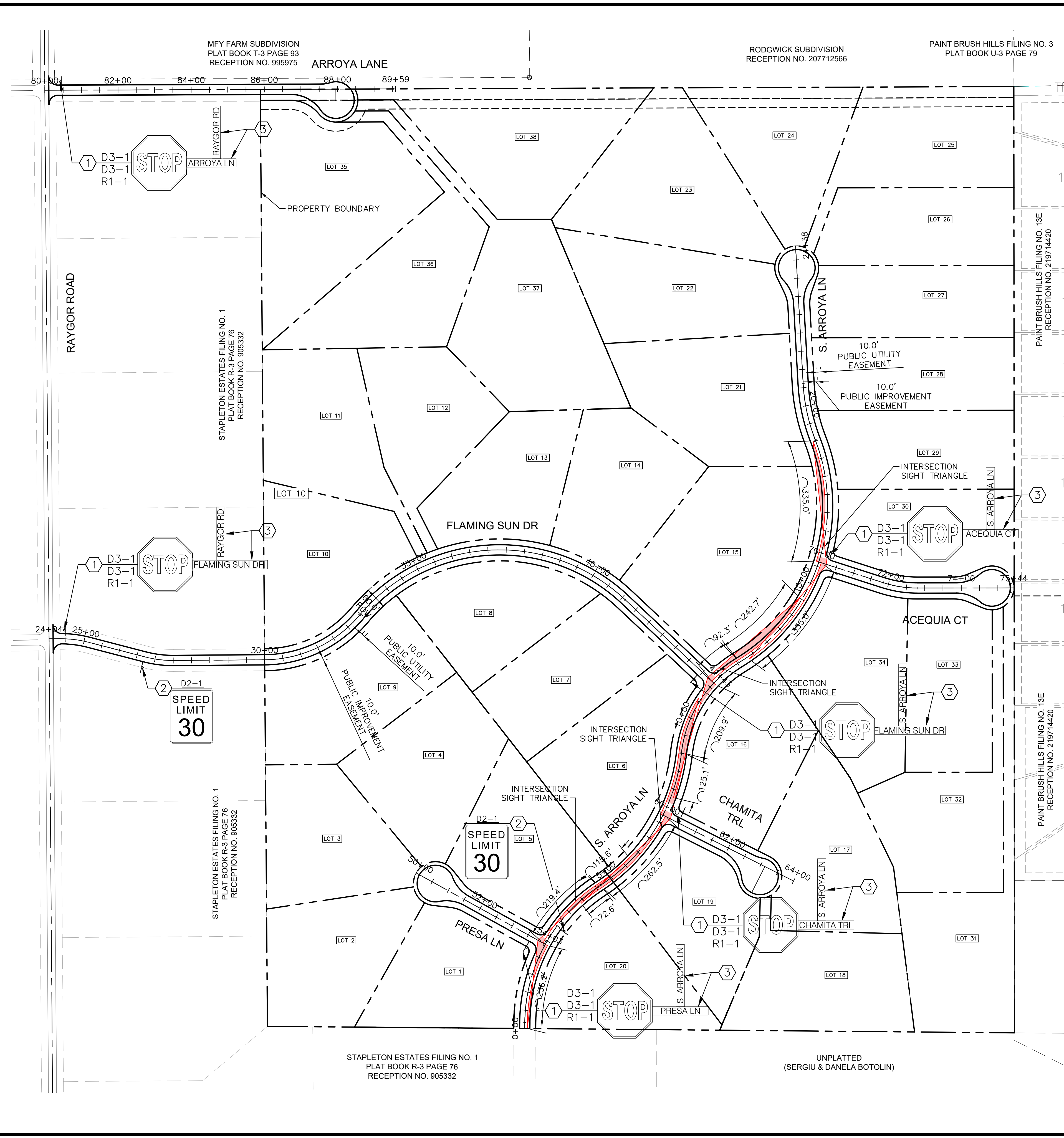
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Kimley-Horn and Associates, Inc.

PROJECT NO.  
196106001

SHEET

**C1.18**

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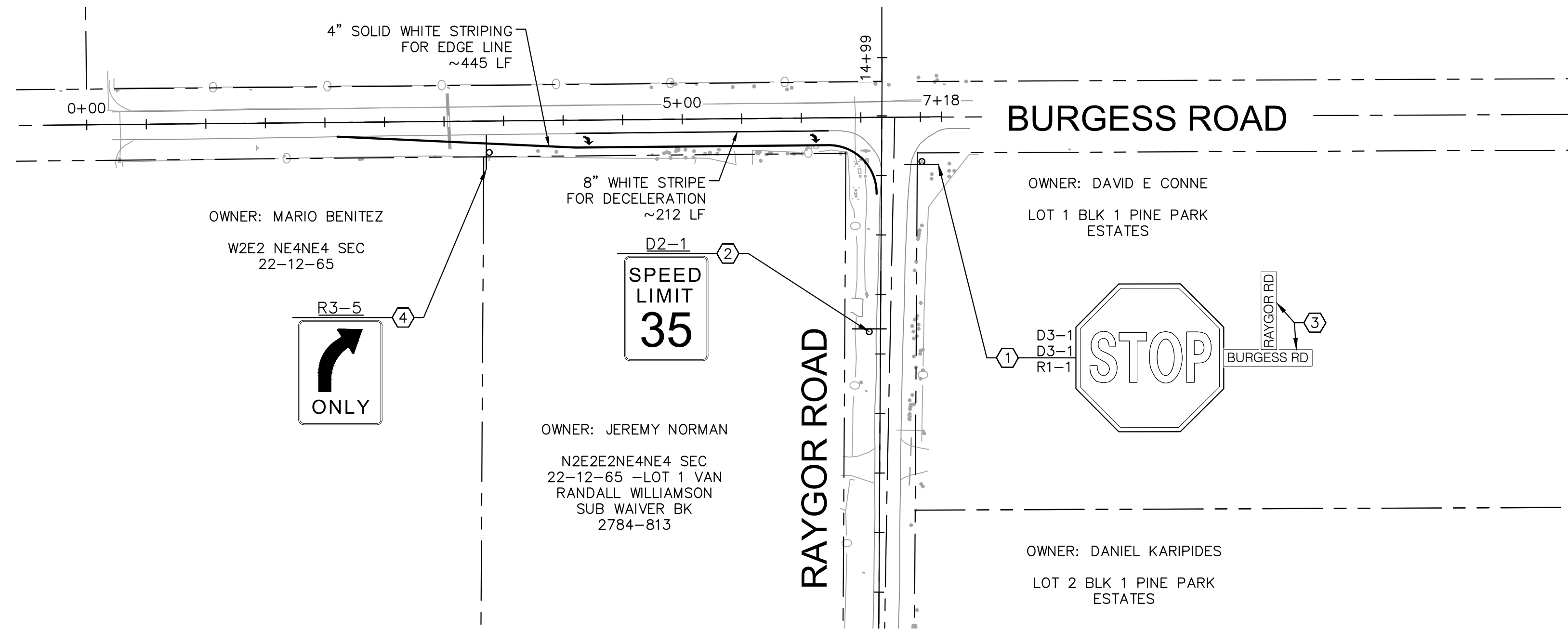
- LEGEND**
- — — — — PROPERTY LINE
  - - - - - PROPOSED EASEMENT
  - — — — — SIGHT TRIANGLE
  - — — — — PROPOSED ROADWAY SIGN
  - ① PROPOSED R1-1 SIGN (24" x 24")
  - ② PROPOSED D2-1 SIGN (24" x 30")
  - ③ PROPOSED D3-1 SIGN (8" x VARIES)

**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.

<p><b>Kimley»Horn</b></p> <p>2022 KIMLEY-HORN AND ASSOCIATES, INC. 2 North Nevada Avenue Suite 300 Colorado Springs, Colorado 80903 (719) 453-0180</p>	<p>DESIGNED BY: MK DRAWN BY: RS CHECKED BY: KK DATE: 12/06/2022</p>								
<p>EAGLEVIEW EL PASO COUNTY, COLORADO PRE DEVELOPMENT GESC PLAN ON-SITE STRIPING &amp; SIGNAGE PLAN</p>	<p>REVISION</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>REVISION</th> <th>BY</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	REVISION	BY	DATE				
NO.	REVISION	BY	DATE						
<p>PRELIMINARY FOR REVIEW ONLY NOT FOR CONSTRUCTION</p> <p><b>Kimley»Horn</b> Kimley-Horn and Associates, Inc.</p>									
<p>PROJECT NO. 196288000</p> <p>SHEET <b>C1.19</b></p>									

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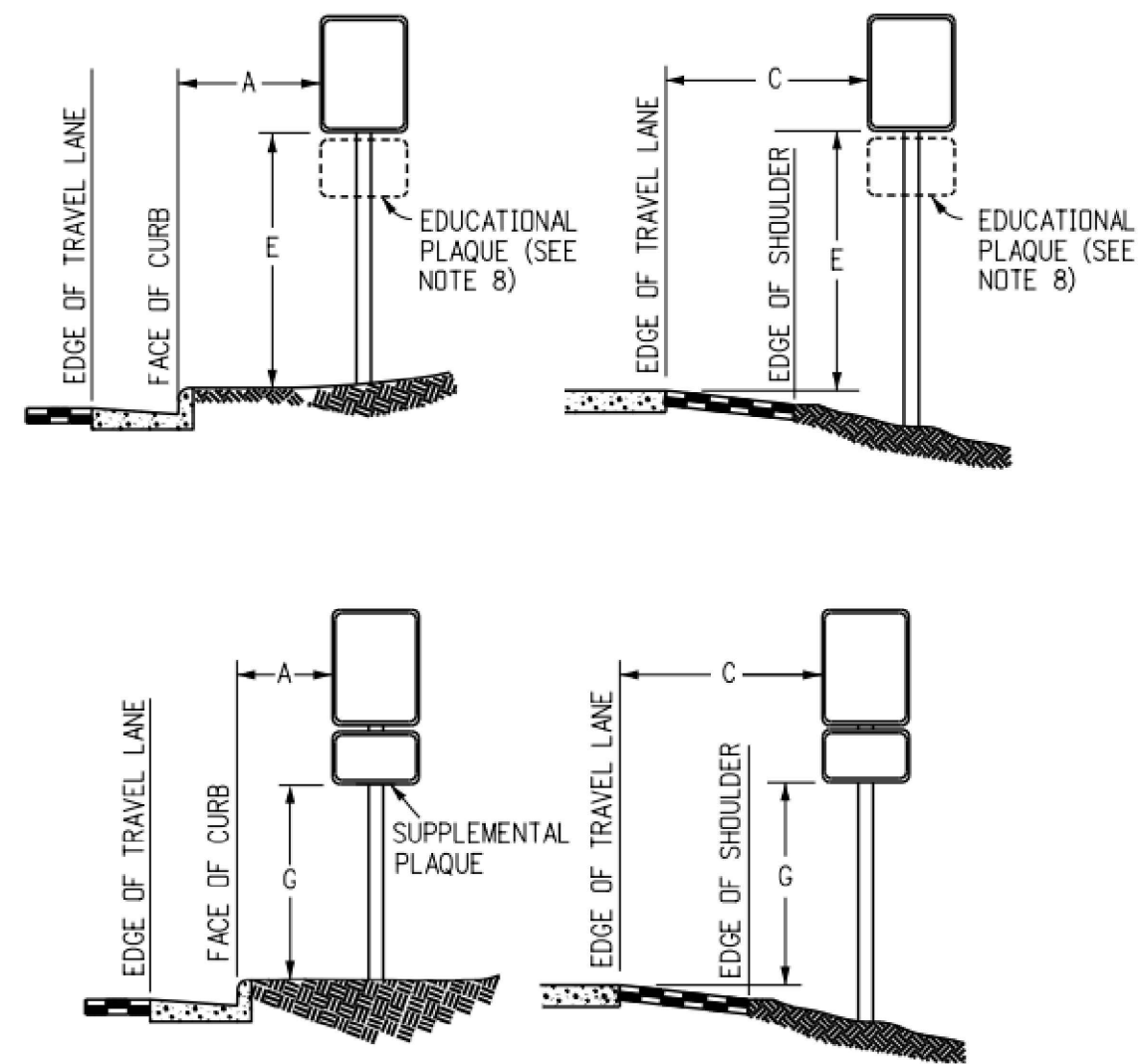


**LEGEND**

- — — — — PROPERTY LINE
- - - - - PROPOSED EASEMENT
- — — — — PROPOSED ROADWAY SIGN
- ① PROPOSED R1-1 SIGN (24" X 24")
- ② PROPOSED D2-1 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**

LATERAL PLACEMENT			VERTICAL PLACEMENT						
KEY	ALL CLASSES OF STREETS AND HIGHWAYS		FREEWAYS AND EXPRESSWAYS		CONVENTIONAL STREETS AND HIGHWAYS				
	MINIMUM	NORMAL	MIN.	MAX.	URBAN		RURAL		
A	2'-0"	15'-0" PLUS CURB			MIN.	MAX.	MIN.	MAX.	
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"	3'-0"	9'-0"	5'-0"	9'-0"
			G	6'-0"	7'-0"	3'-0"	7'-0"	4'-0"	7'-0"
			H	5'-0"	10'-0"	3'-0"	7'-0"	4'-0"	7'-0"

NO.	REVISION	BY	DATE	APPR

**Kimley»Horn**  
 2022 KIMLEY-HORN AND ASSOCIATES, INC.  
 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  
 OFF-SITE STRIPING & SIGNAGE PLAN**

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

PROJECT NO.  
 196288000  
 SHEET

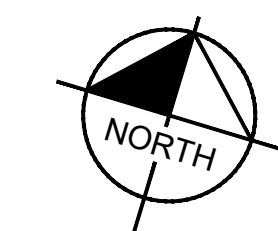
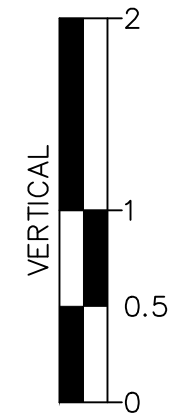
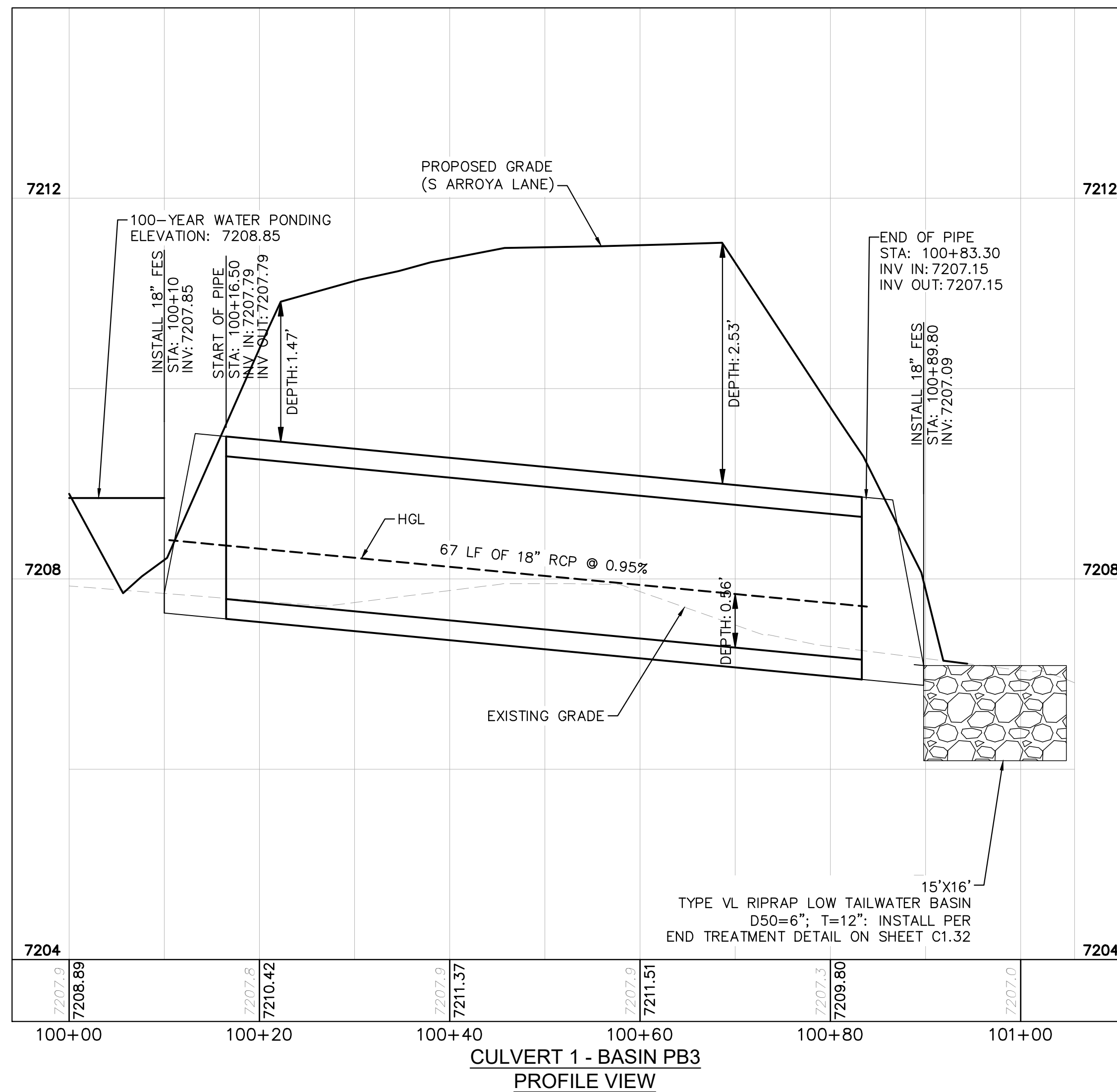
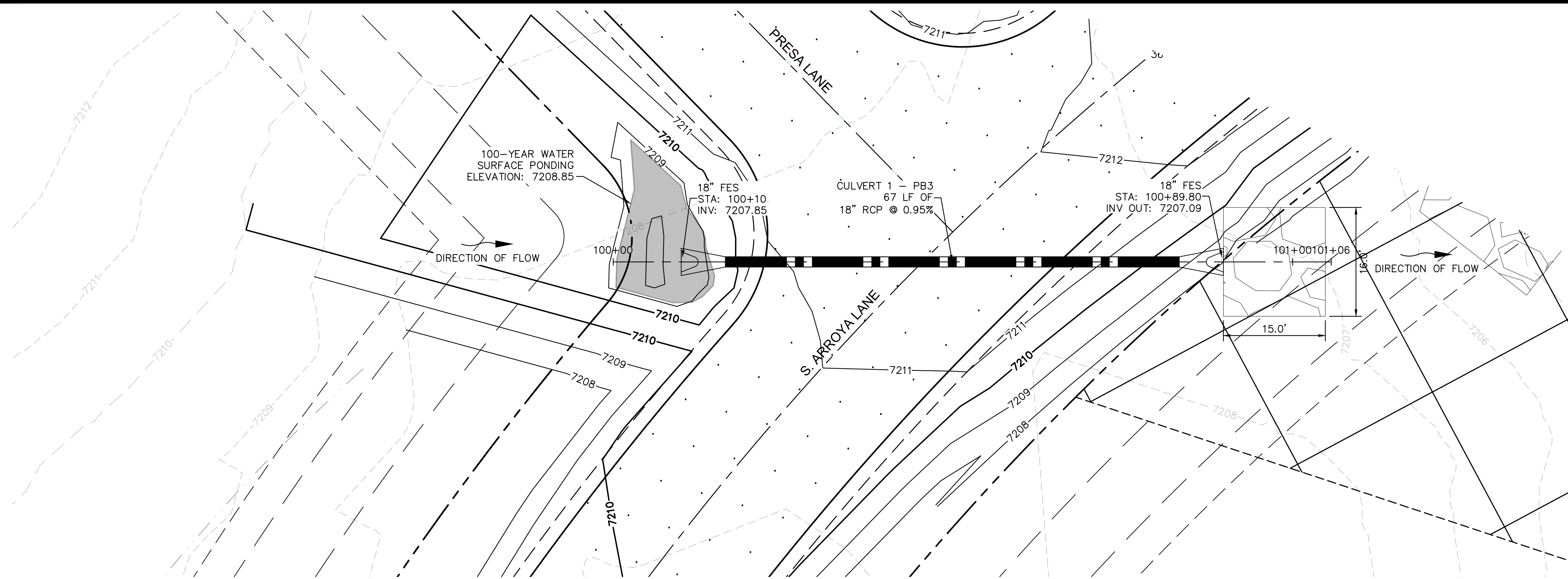
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CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES



**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

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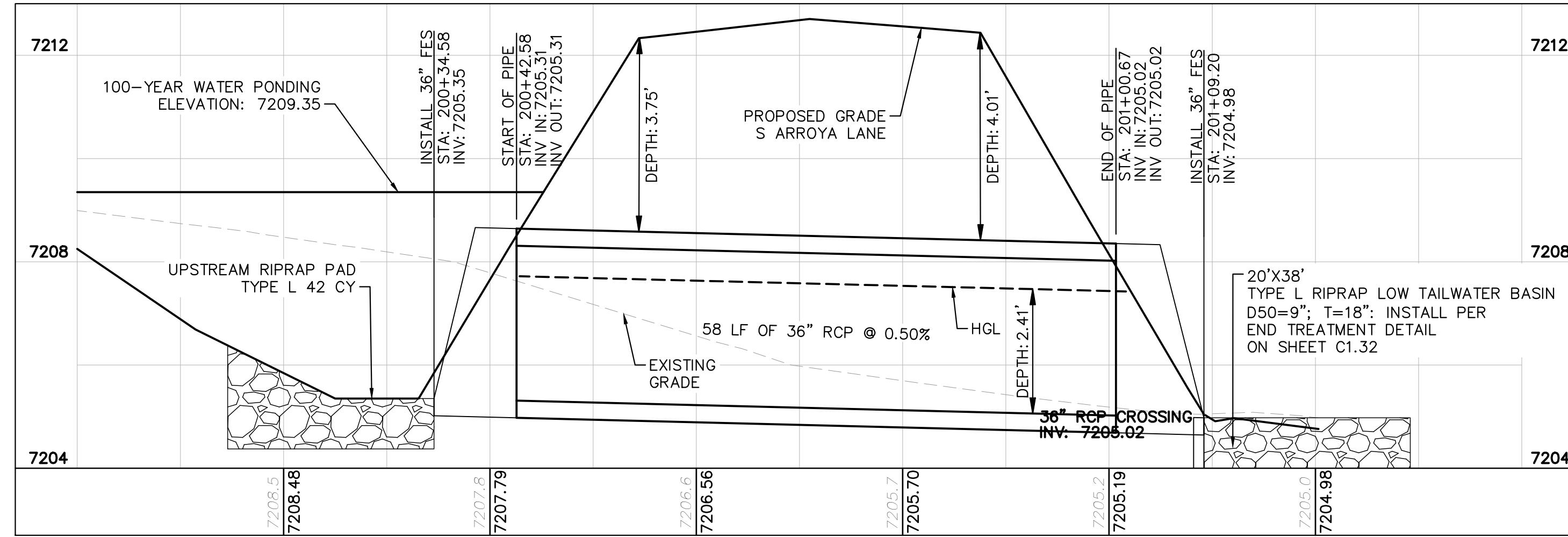
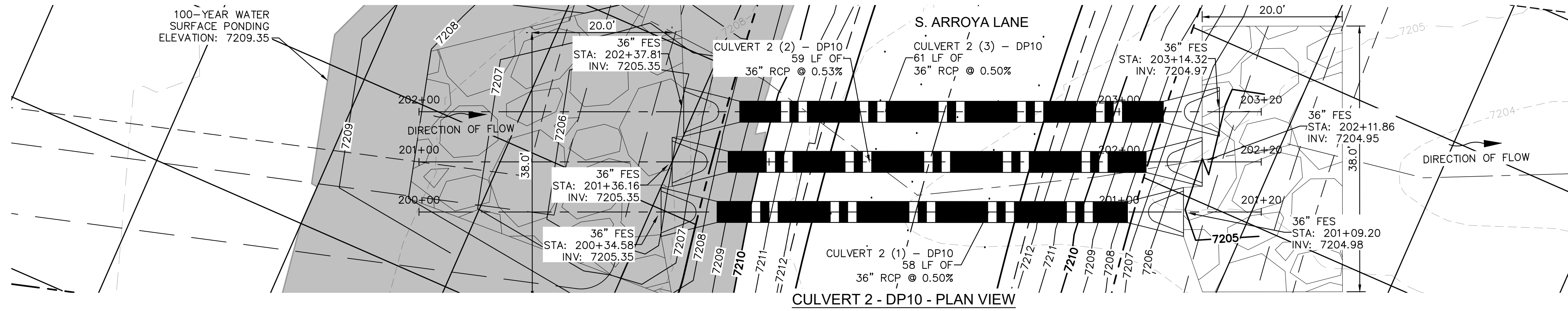
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 EL PASO COUNTY, COLORADO  
 CONSTRUCTION DOCUMENTS  
**CULVERT PLAN AND PROFILE**

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 Kimley-Horn and Associates, Inc.

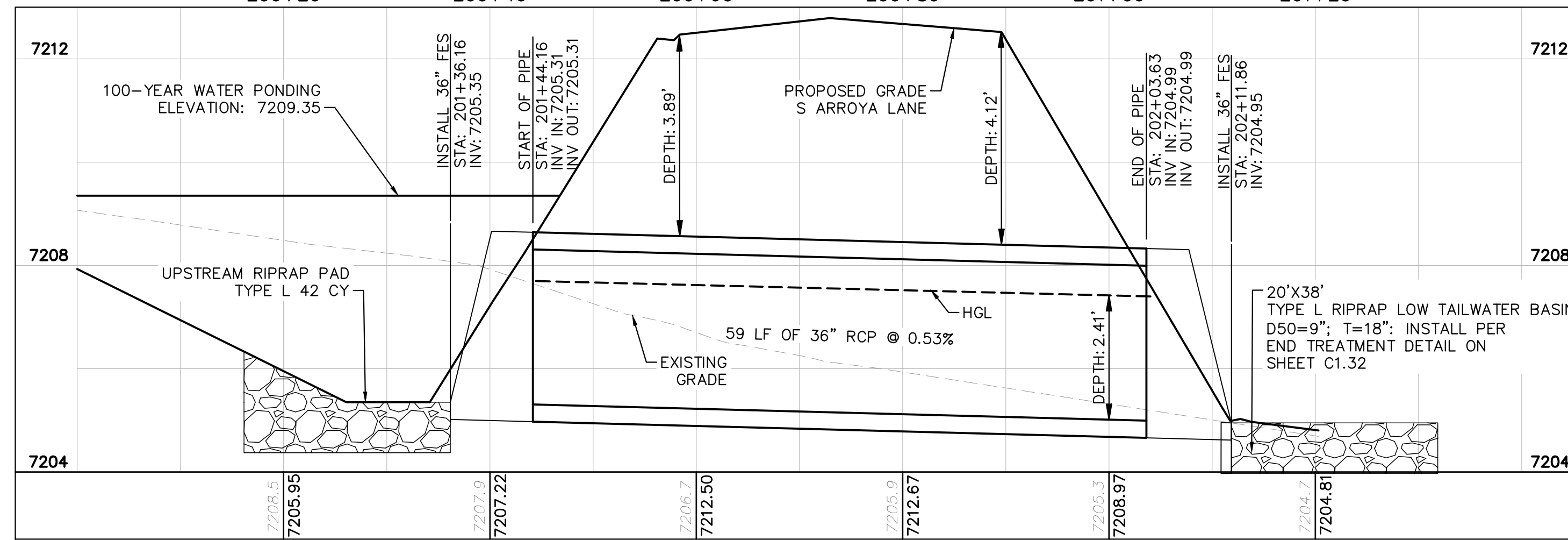
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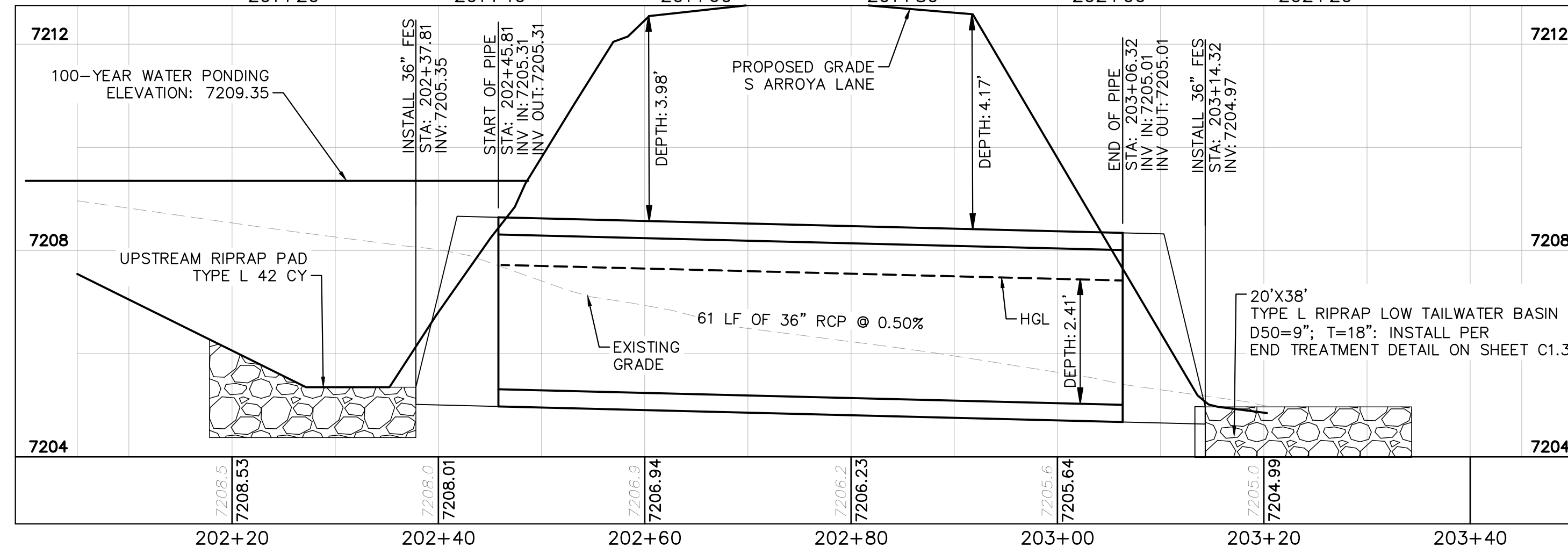
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CULVERT 2 (1) - DP10 PROFILE VIEW



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.
- ASSUMED FLARED END SECTIONS (FES) LENGTHS ARE THE FOLLOWING:  
 6'-1": 18"-30" FES  
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DESIGNED BY: MJK  
 DRAWN BY: MJK  
 CHECKED BY: KKK  
 DATE: 04/18/2023

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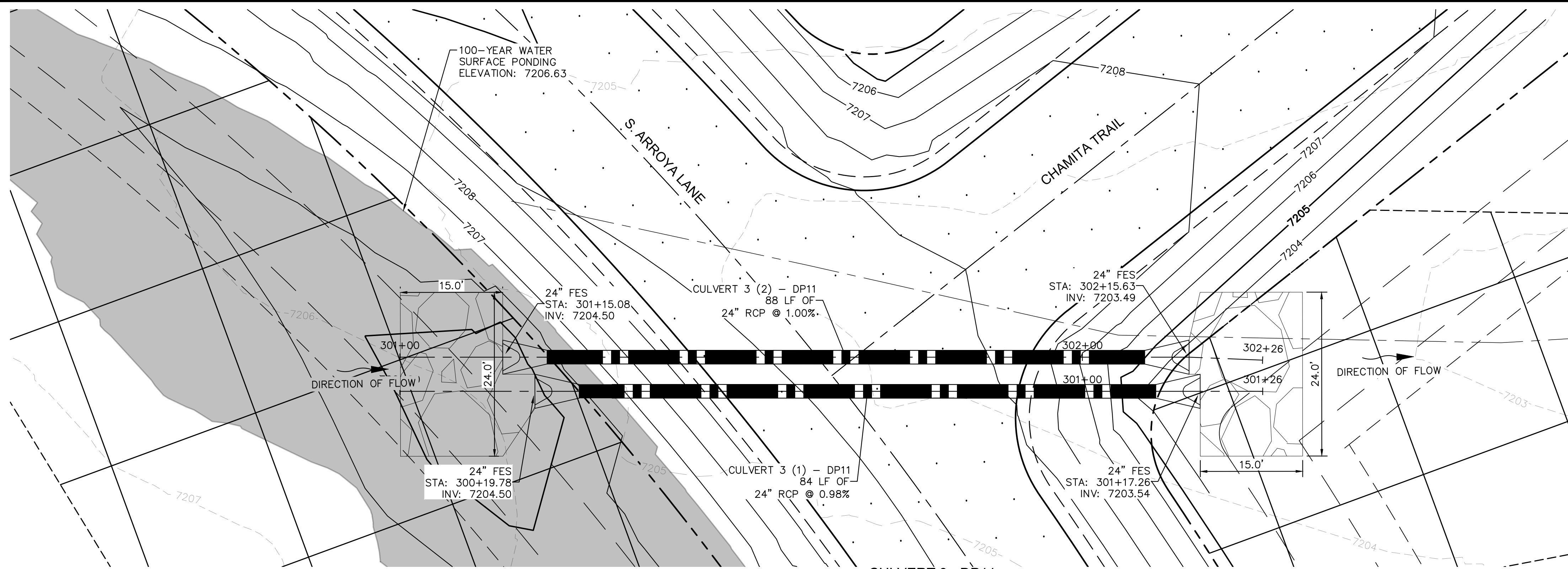
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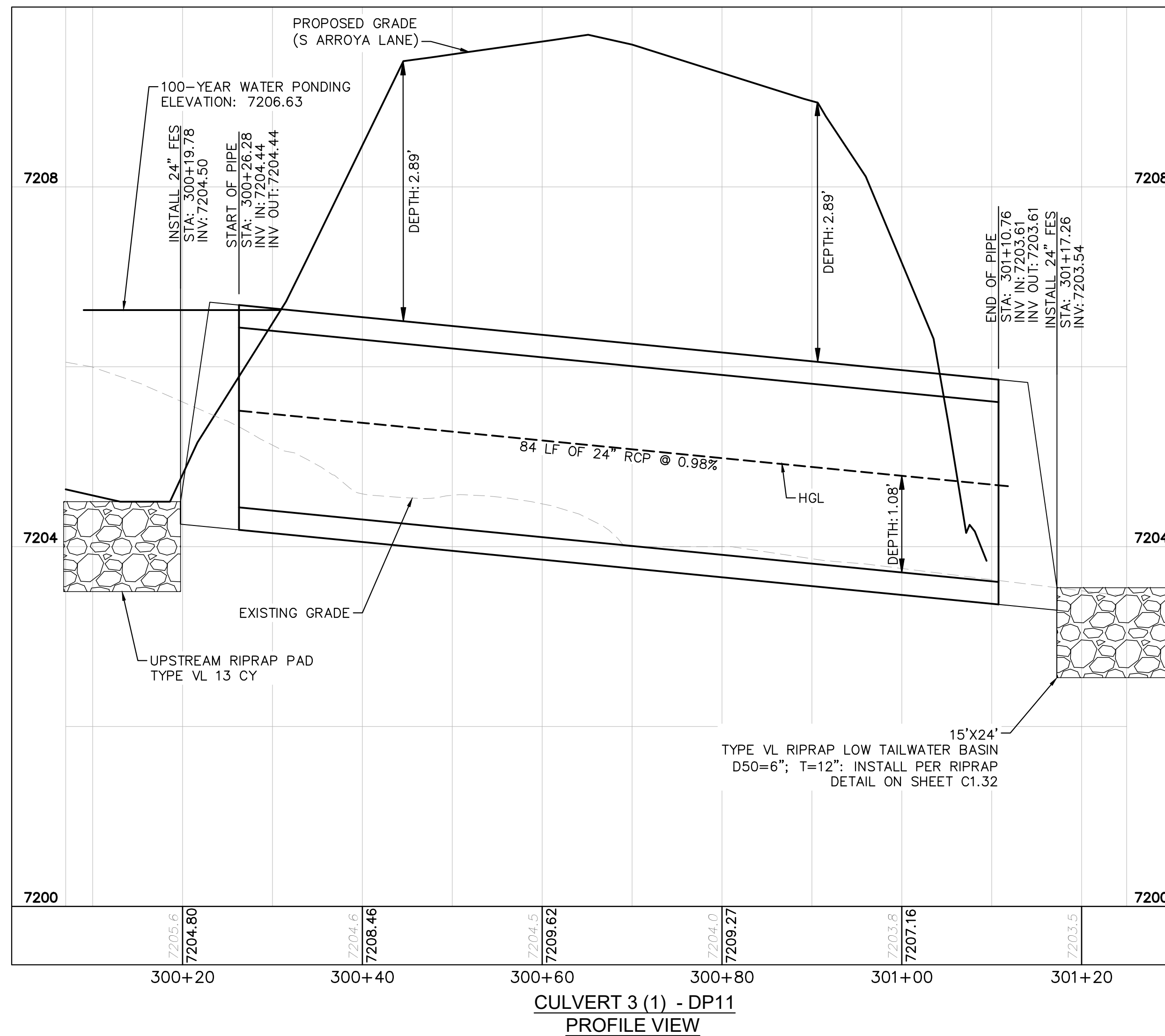




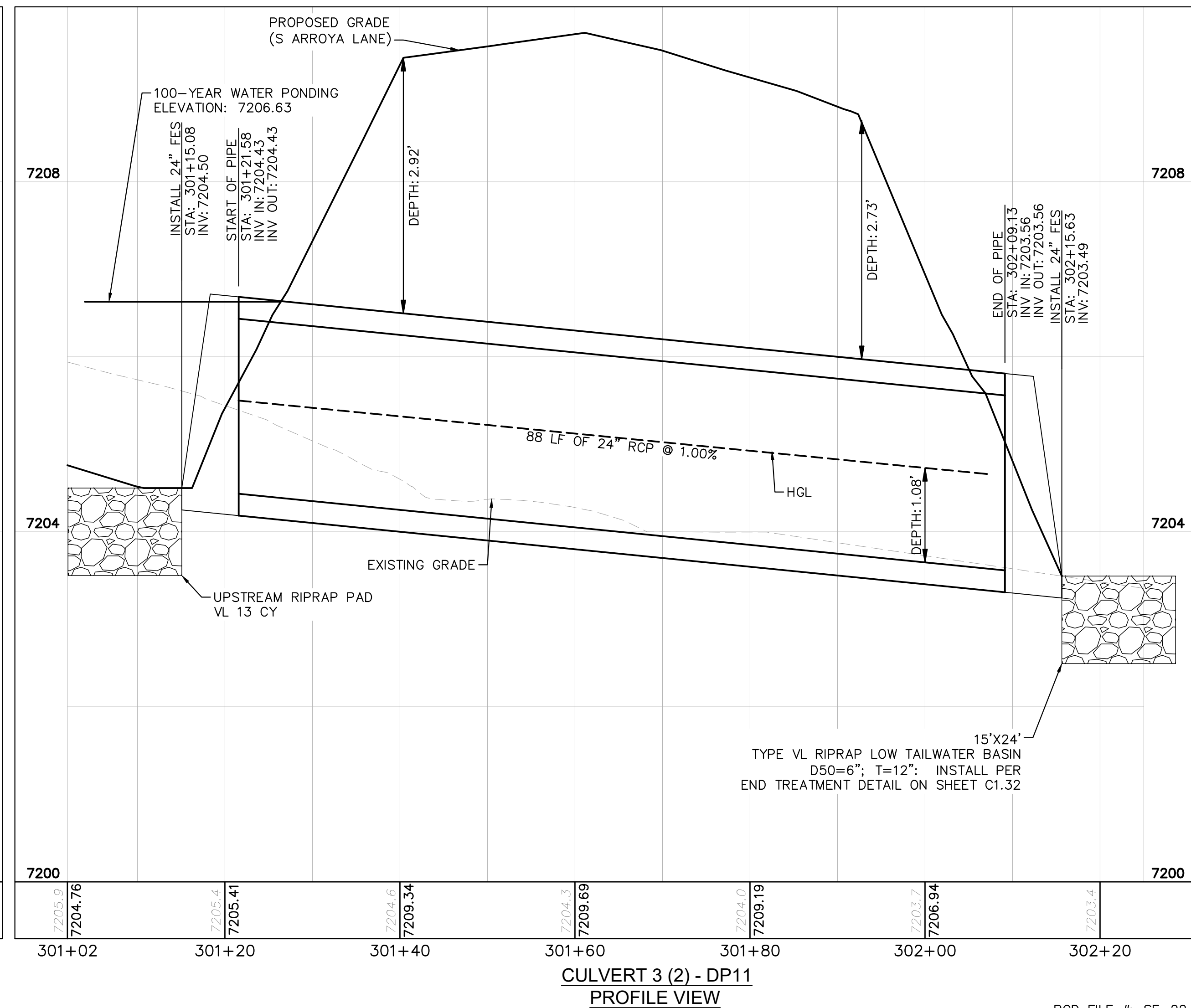
CULVERT 3 - DP11  
PLAN VIEW

NOTES

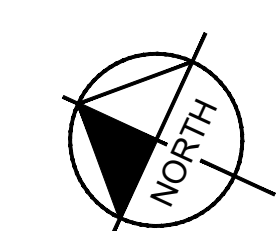
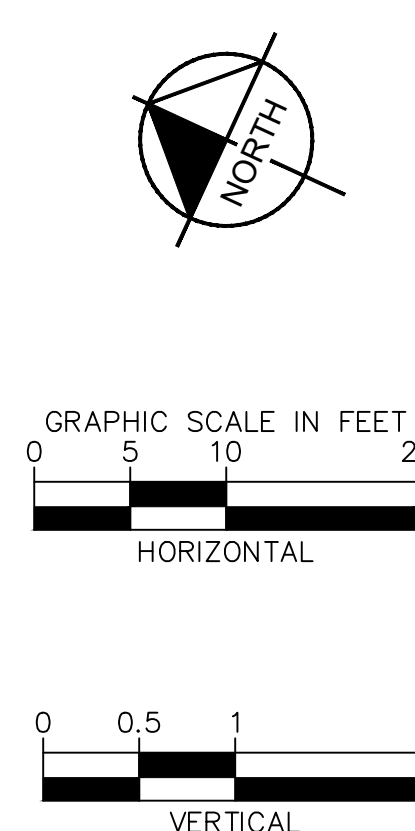
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8'-1": 30" FES  
8'-2": 42"-48" FES



CULVERT 3 (1) - DP11  
PROFILE VIEW



CULVERT 3 (2) - DP11  
PROFILE VIEW



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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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EL PASO COUNTY, COLORADO  
CONSTRUCTION DOCUMENTS  
CULVERT PLAN AND PROFILE

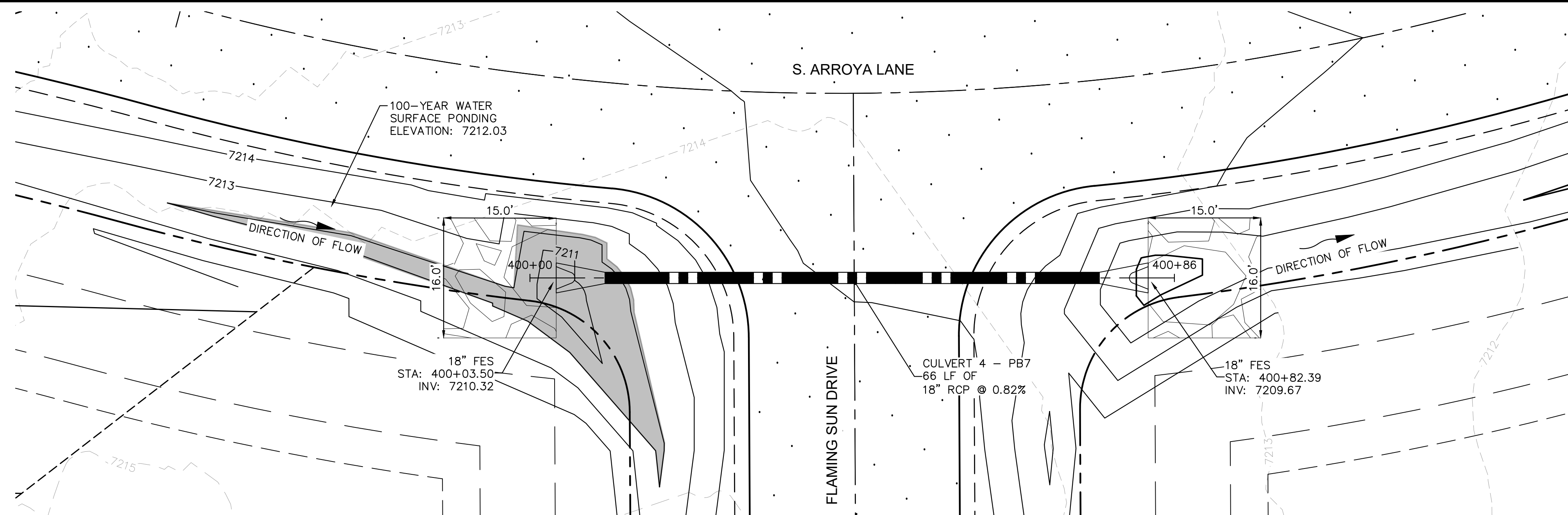
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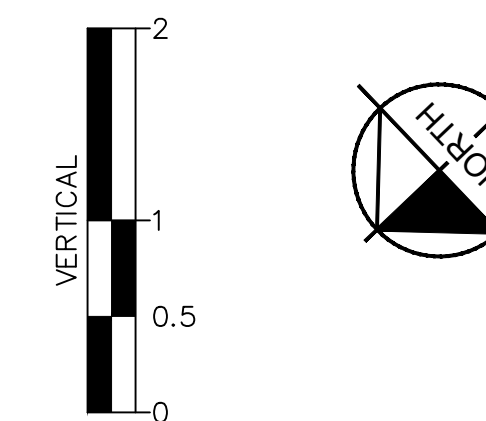
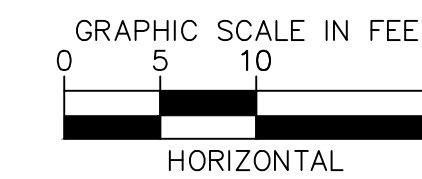
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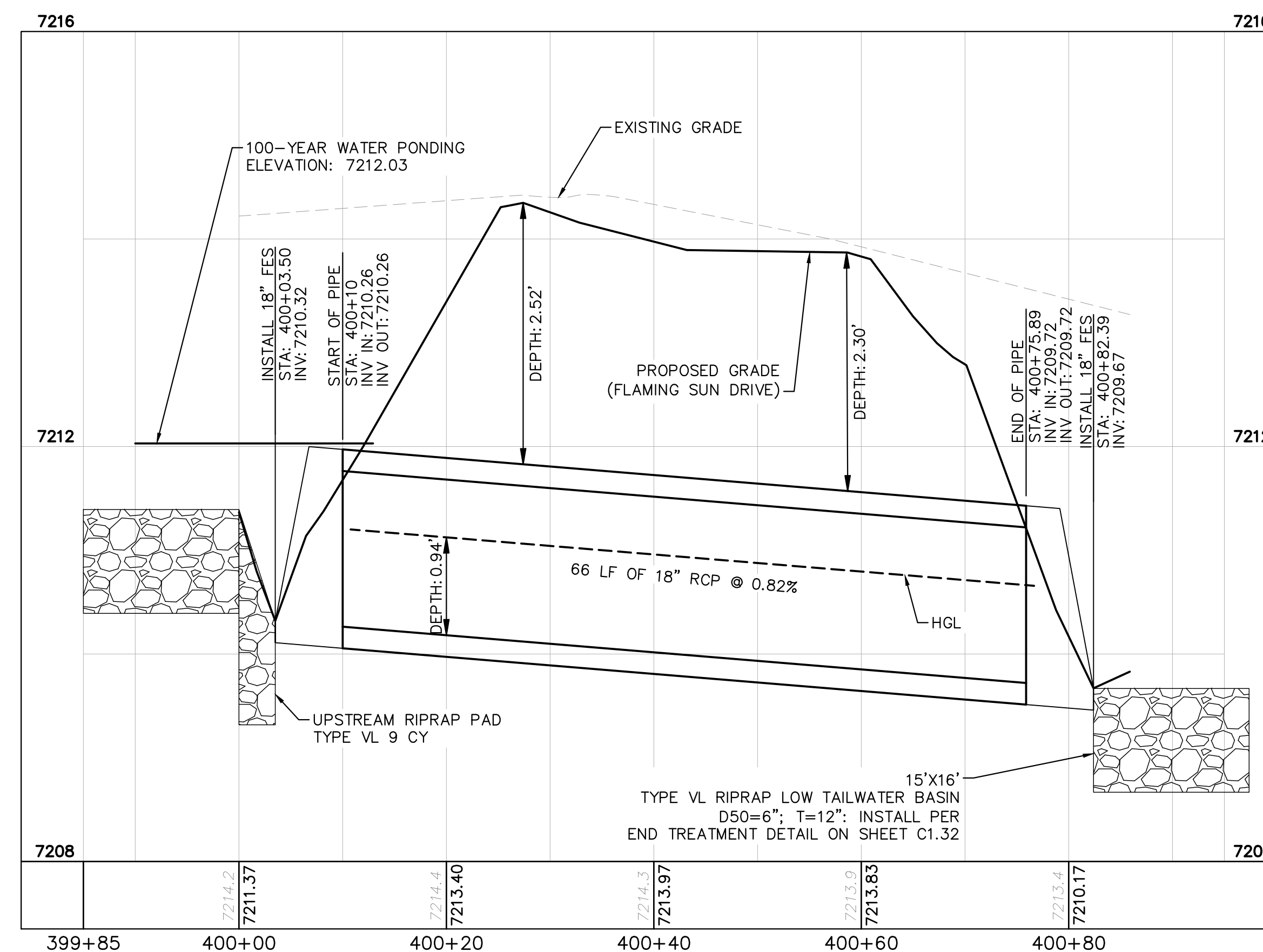


CULVERT 4 - BASIN PB7  
PLAN VIEW



**NOTES**

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CULVERT 4 - BASIN PB7  
PROFILE VIEW



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2 North Nevada Avenue Suite 900  
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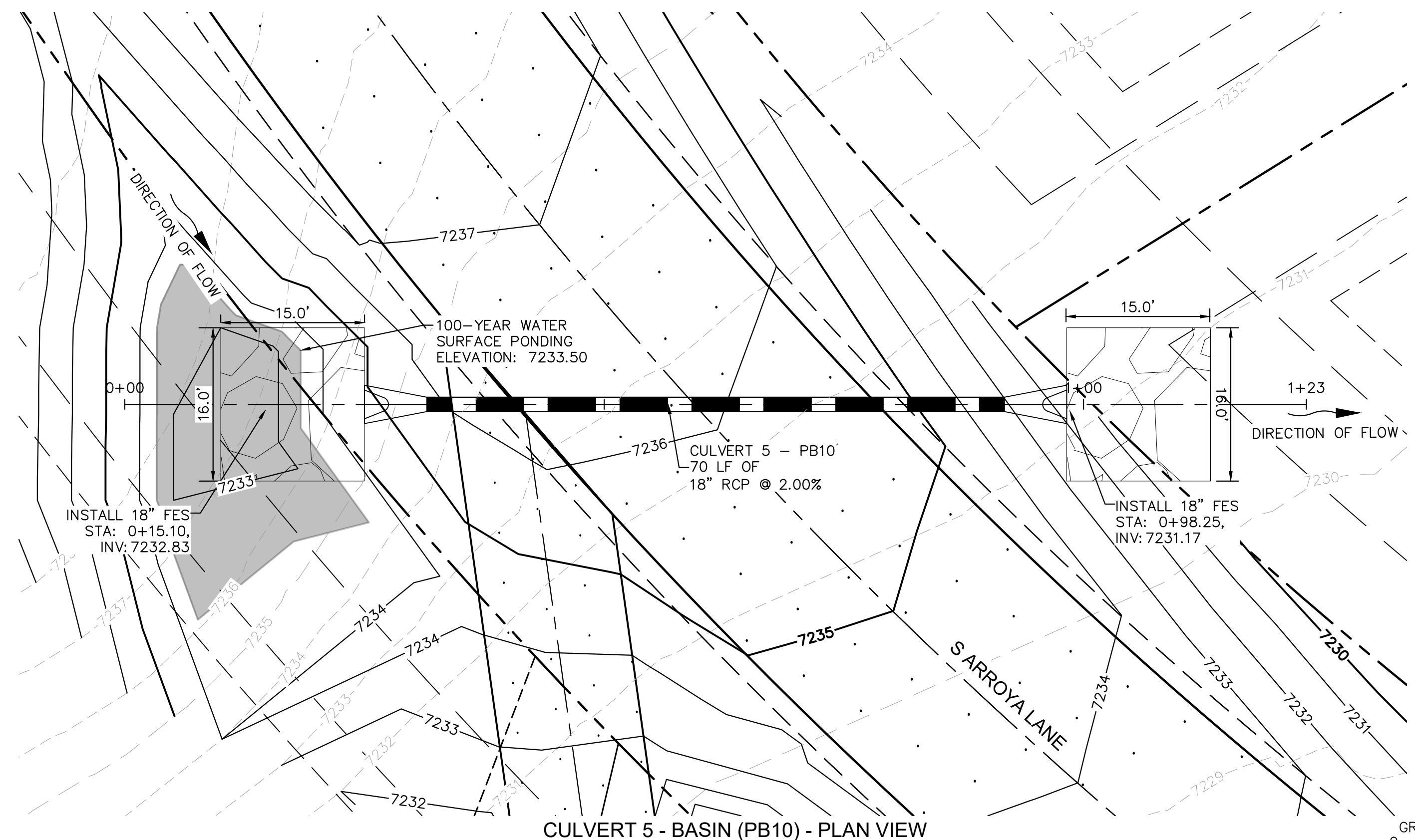
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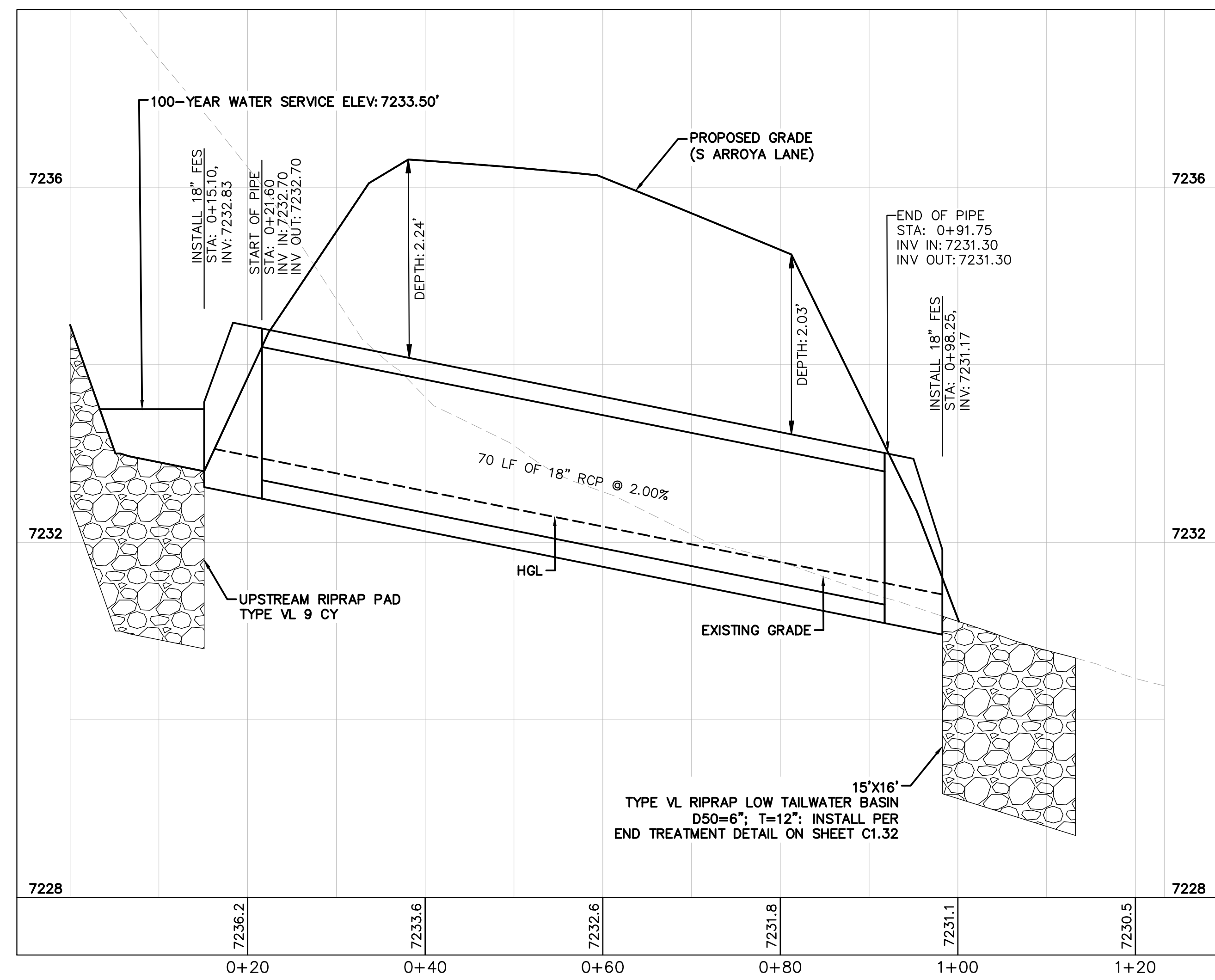
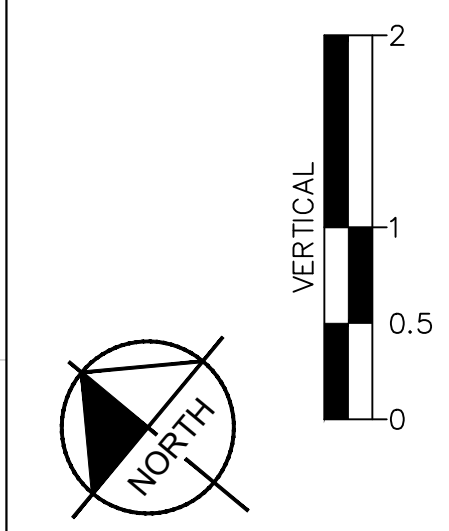
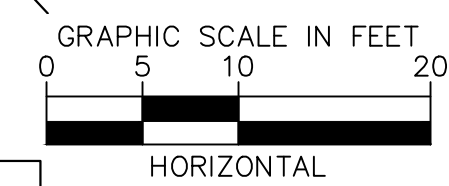
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CULVERT 5 - BASIN (PB10) - PLAN VIEW



CULVERT 5 - BASIN PB10 - PROFILE VIEW

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

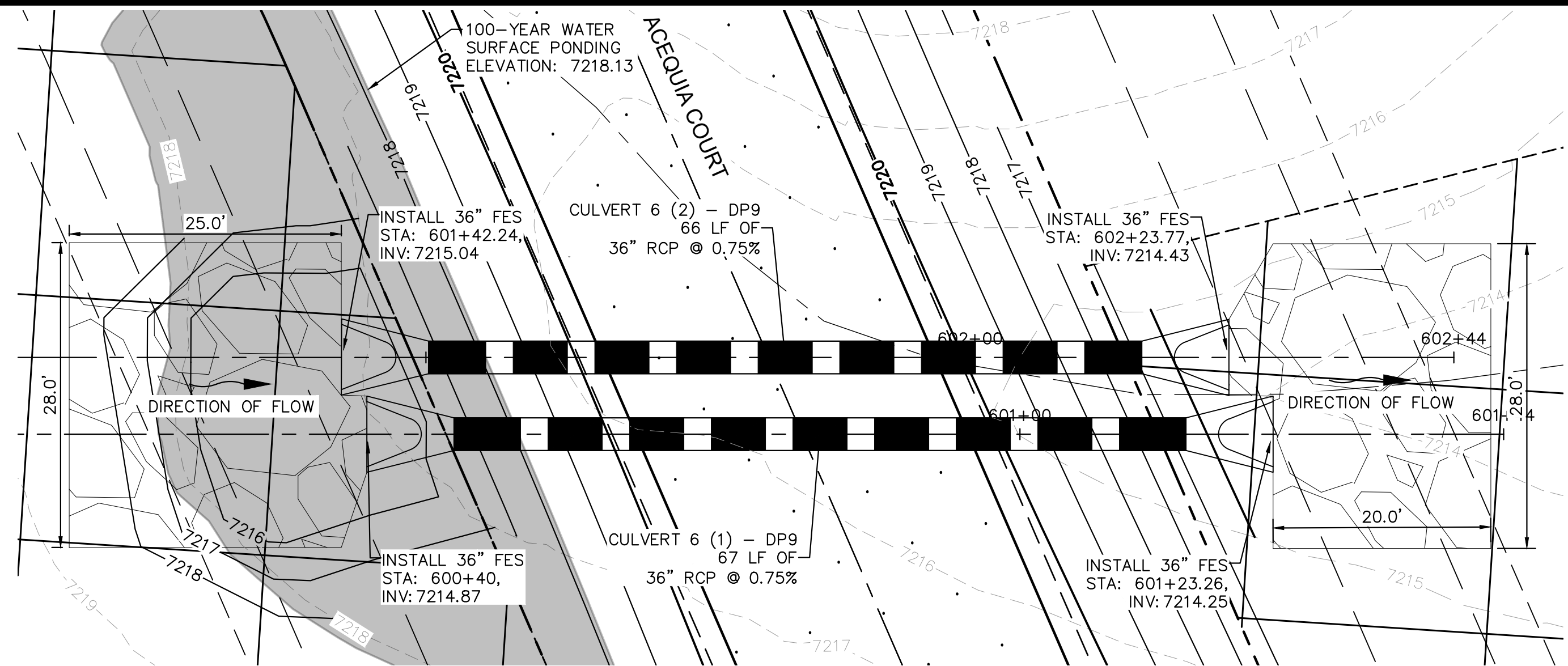
**PRELIMINARY**  
 FOR REVIEW ONLY  
 NOT FOR  
 CONSTRUCTION  
**Kimley»Horn**  
 Kimley-Horn and Associates, Inc.

PROJECT NO.  
 196106001

SHEET

**C1.26**

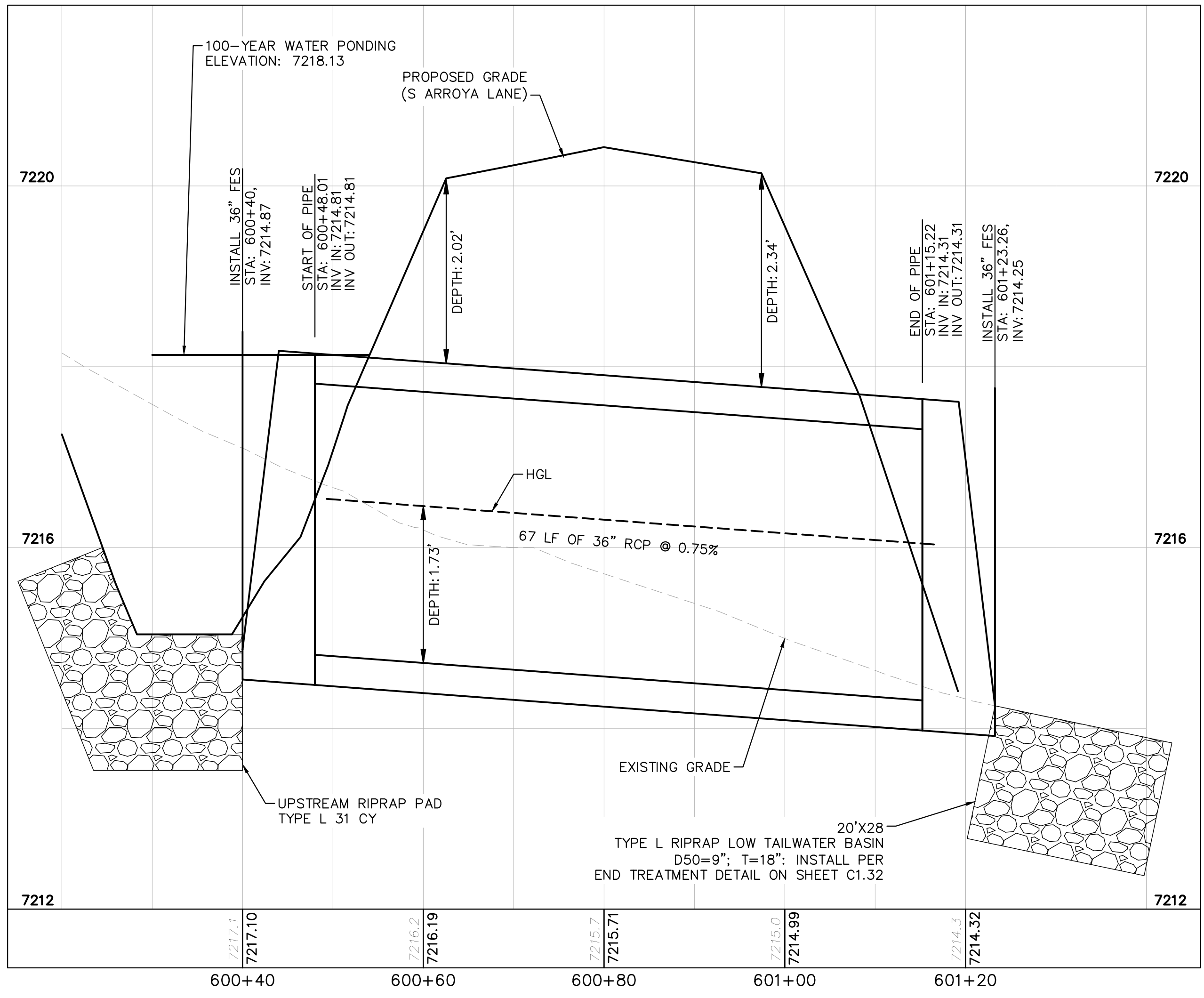
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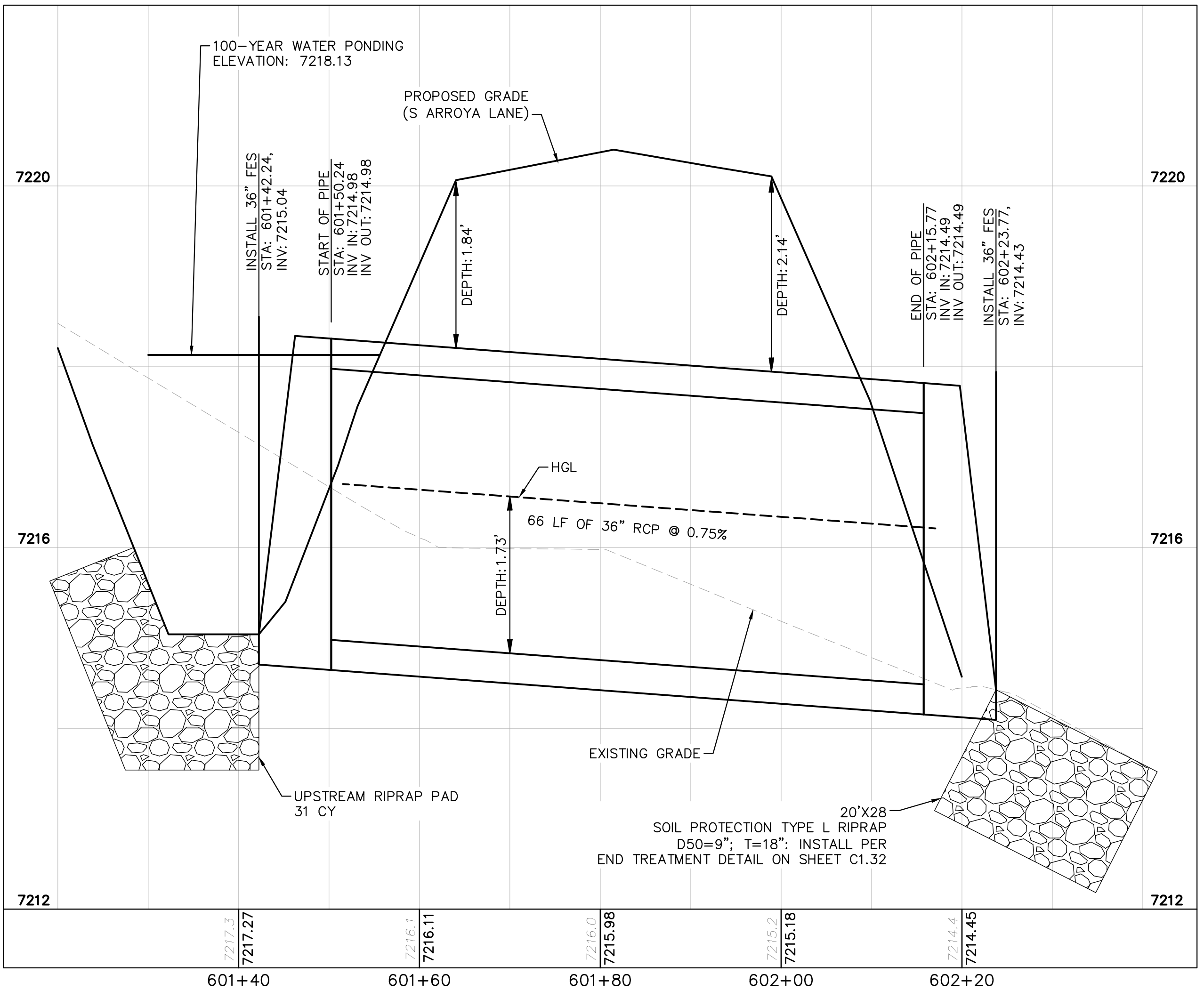
CULVERT 6 - DP9  
PLAN VIEW

**NOTES**

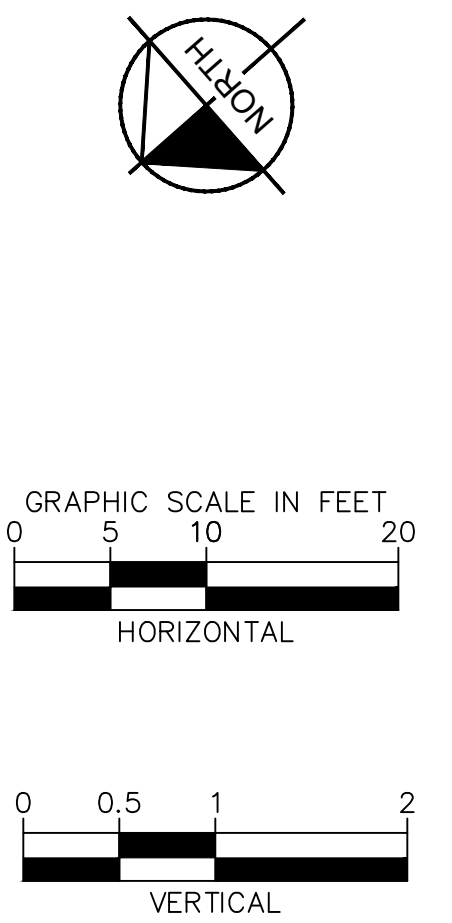
- PIPE LENGTH SHOWN IS 2D PIPE LENGTH. CONTRACTOR TO VERIFY QUANTITIES FOR ACTUAL LENGTH.
- ASSUMED FLARED END SECTIONS (FES) LENGTHS ARE THE FOLLOWING:  
6'-1": 18"-30" FES  
8'-1": 30" FES  
8'-2": 42"-48" FES



CULVERT 6 (1) - DP9  
PROFILE VIEW



CULVERT 6 (2) - DP9  
PROFILE VIEW



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

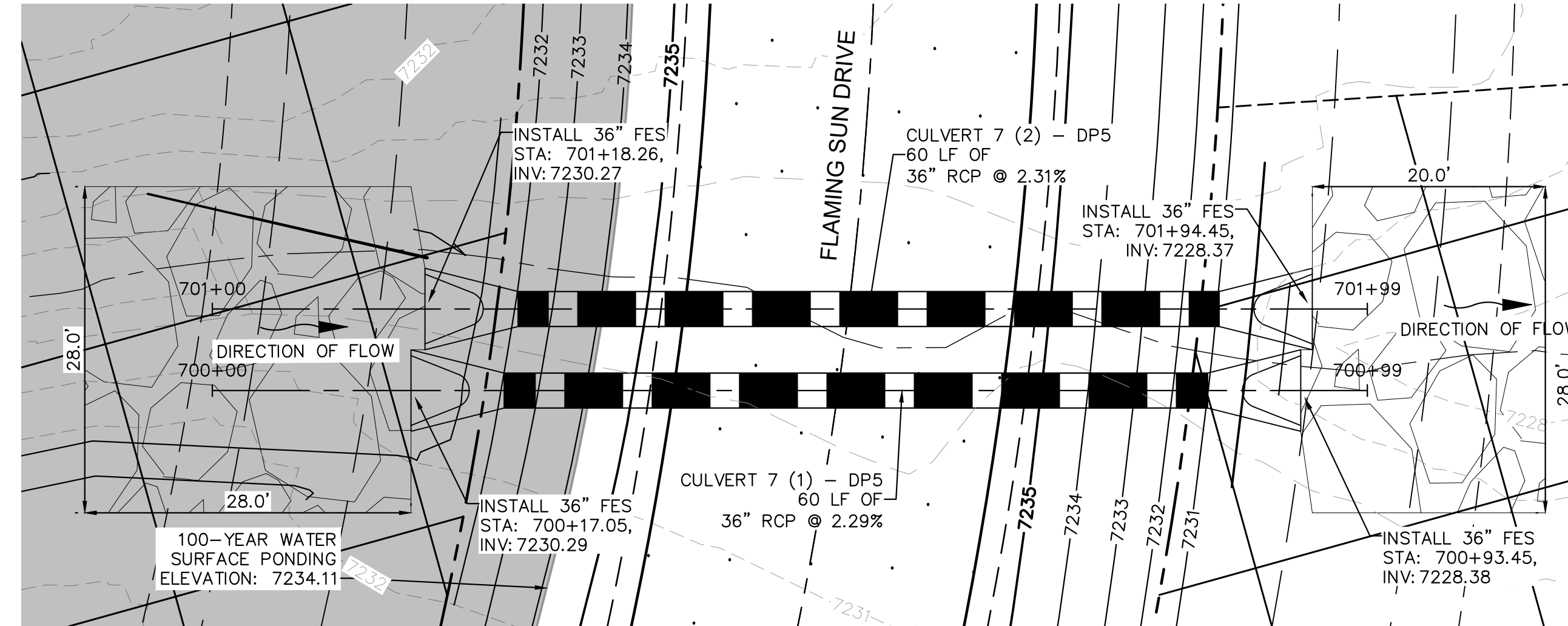
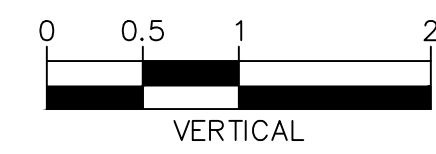
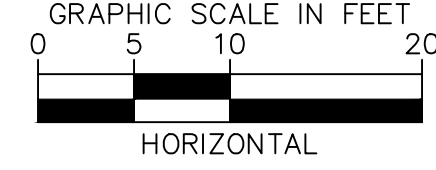
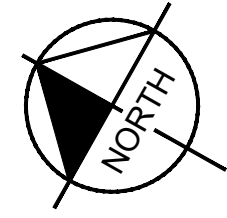
DESIGNED BY: MJK  
 DRAWN BY: MJK  
 CHECKED BY: KRK  
 DATE: 04/18/2023

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

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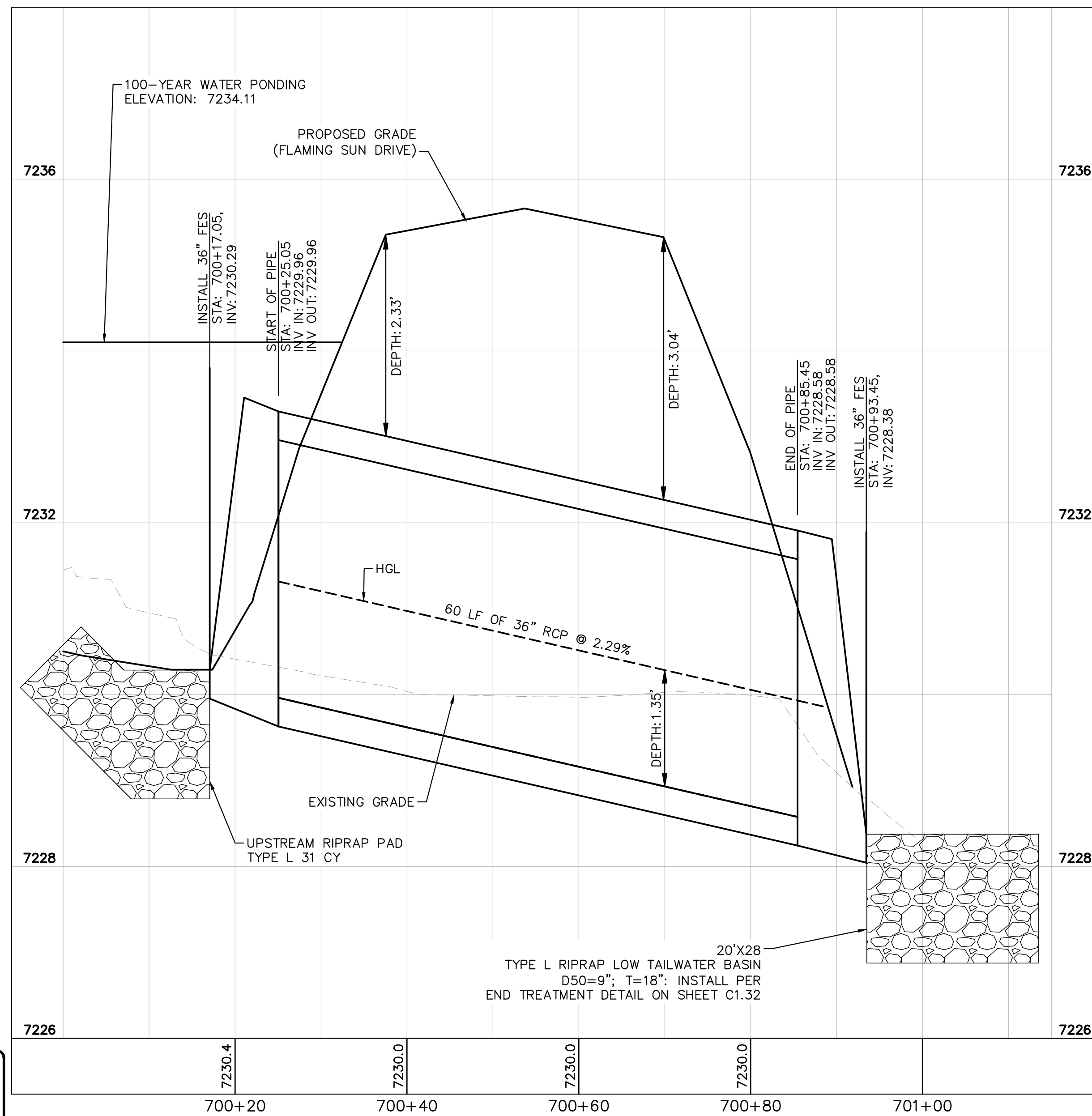
SHEET  
**C1.27**



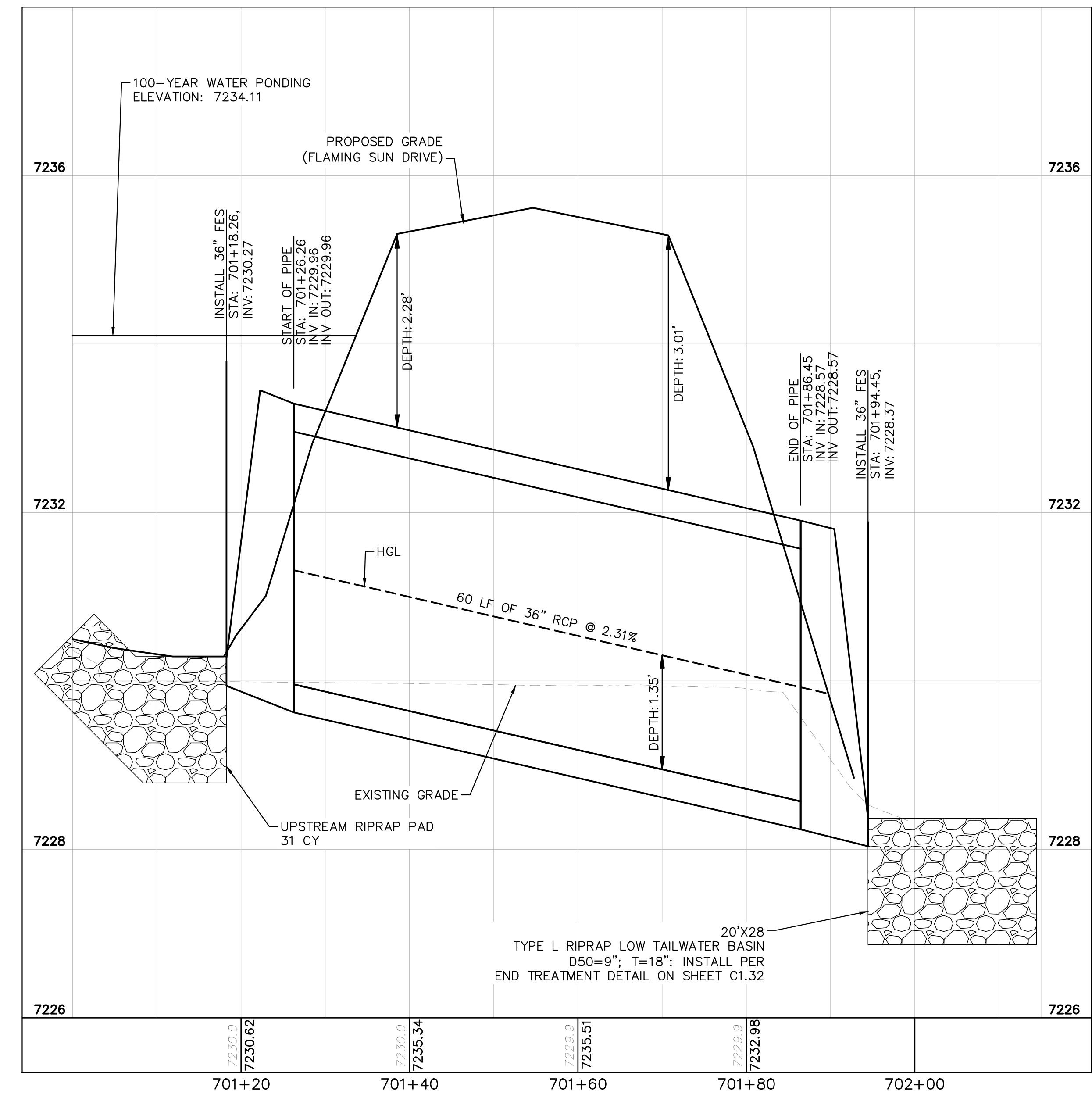
CULVERT 7 - DP5  
PLAN VIEW

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



CULVERT 7 (1) - DP5  
PROFILE VIEW



CULVERT 7 (2) - DP5  
PROFILE VIEW



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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: 04/18/2023

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

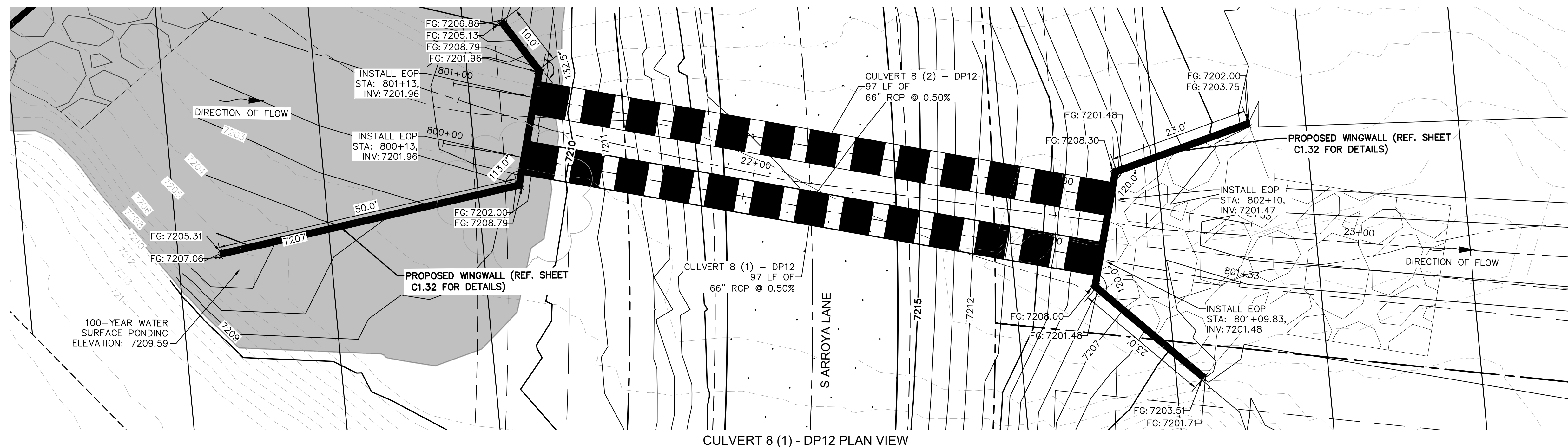
PRELIMINARY  
FOR REVIEW ONLY  
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PROJECT NO.  
196106001

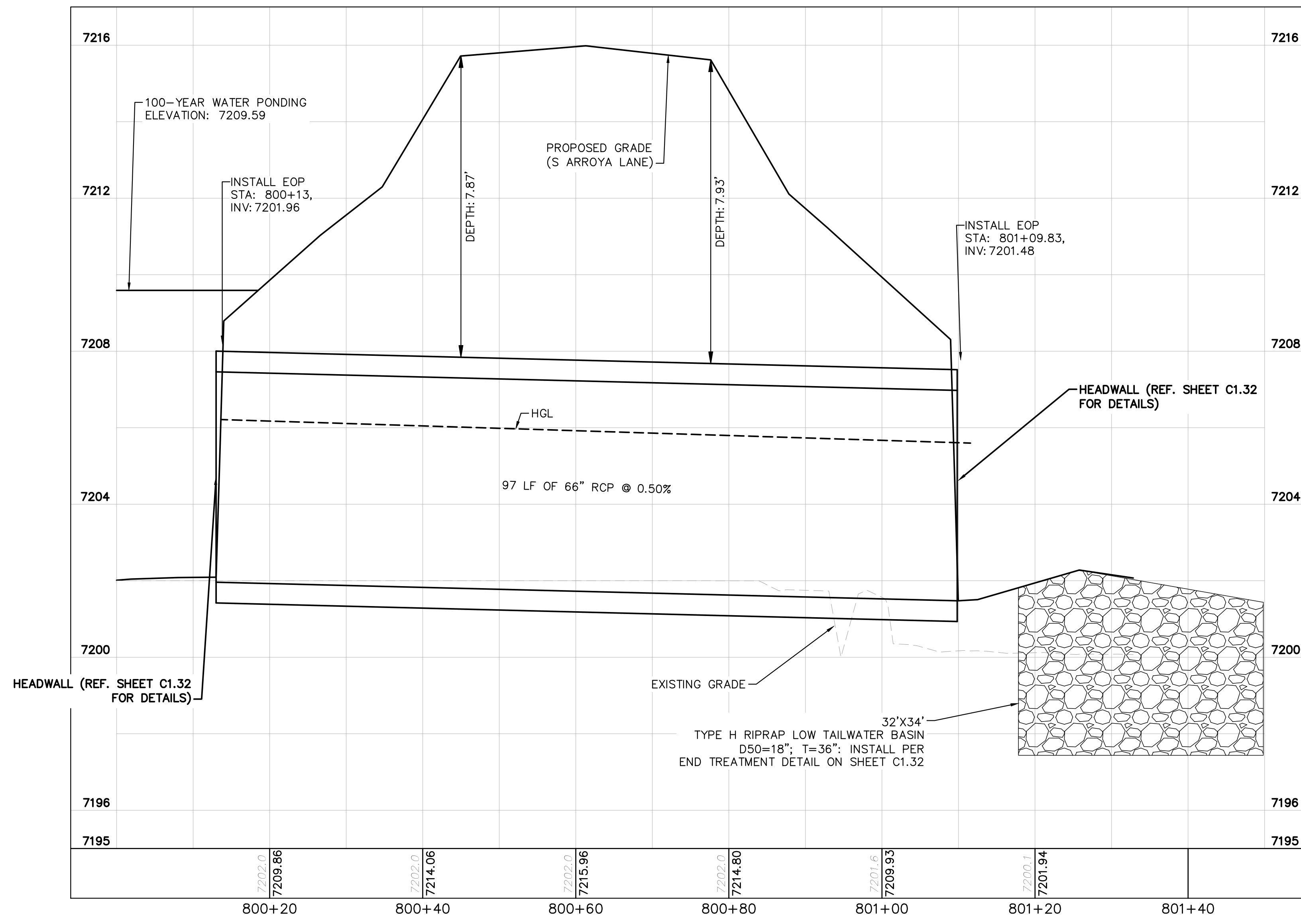
SHEET

C1.28

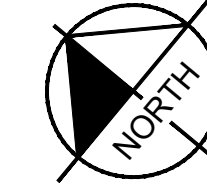
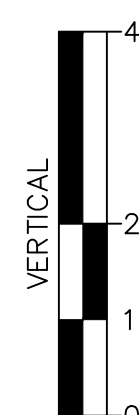
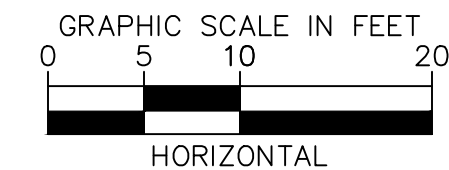
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CULVERT 8 (1) - DP12 PLAN VIEW



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



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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EAGLEVIEW  
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**CULVERT PLAN AND PROFILE**

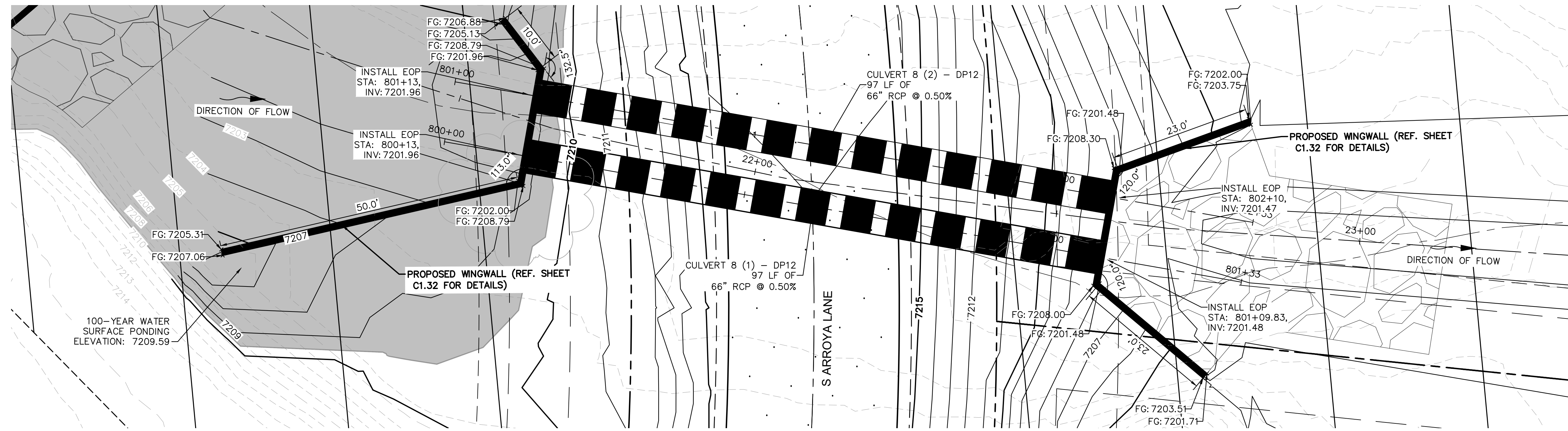
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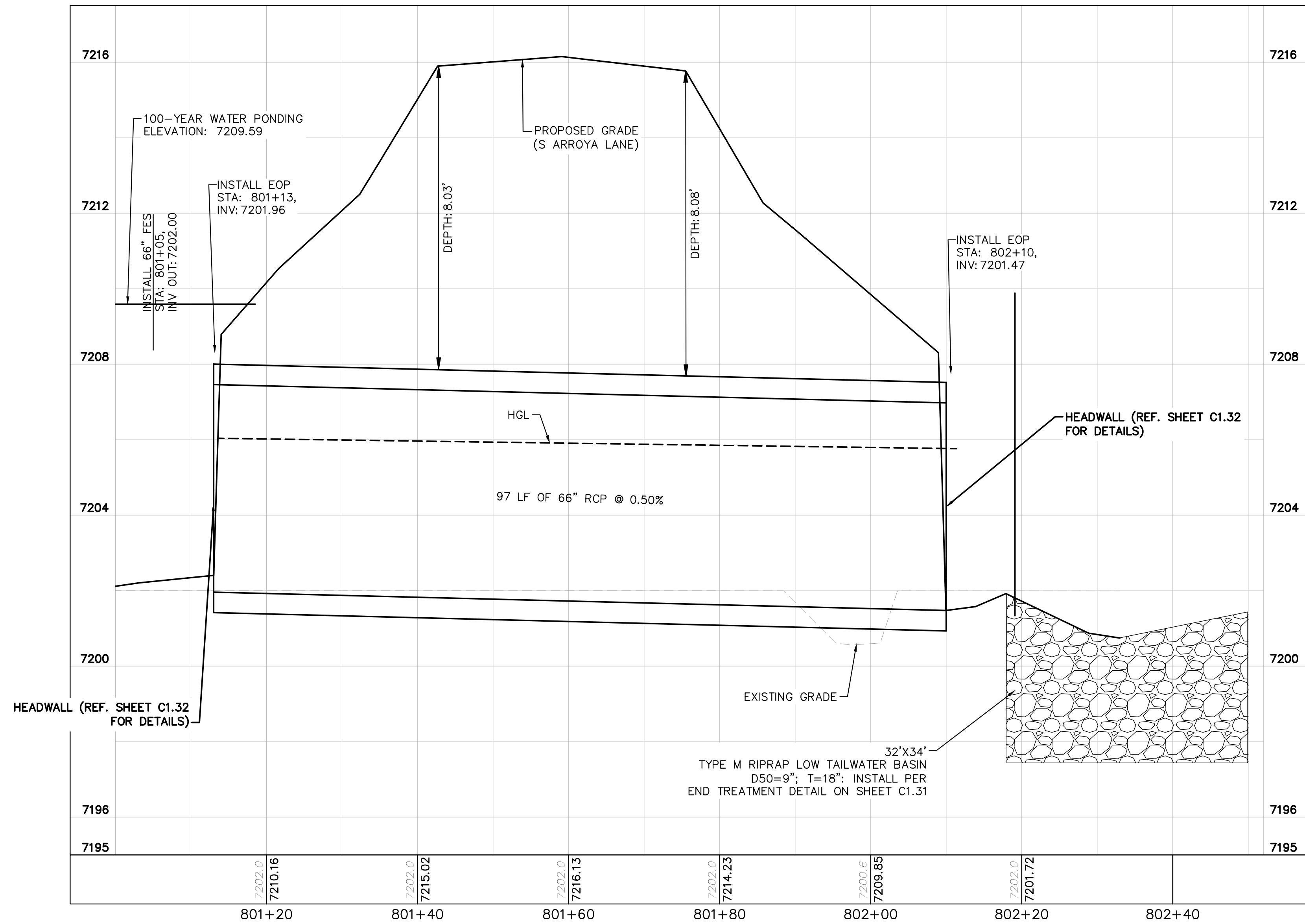
SHEET

**C1.29**

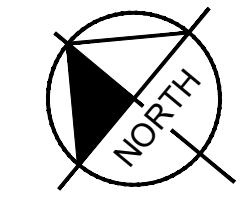
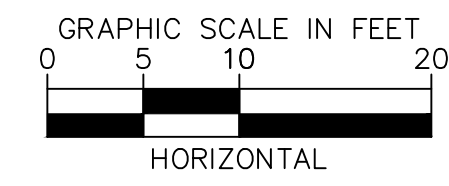
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CULVERT 8 (2) - DP12 PLAN VIEW



CULVERT 8 (2) - DP12 PROFILE VIEW



**NOTES**

1. PIPE LENGTH SHOWN IS 20 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	DATE	APPR.

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 Colorado Springs, Colorado 80903 (719) 453-0180

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EAGLEVIEW  
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 CONSTRUCTION DOCUMENTS  
**CULVERT PLAN AND PROFILE**

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 Kimley-Horn and Associates, Inc.

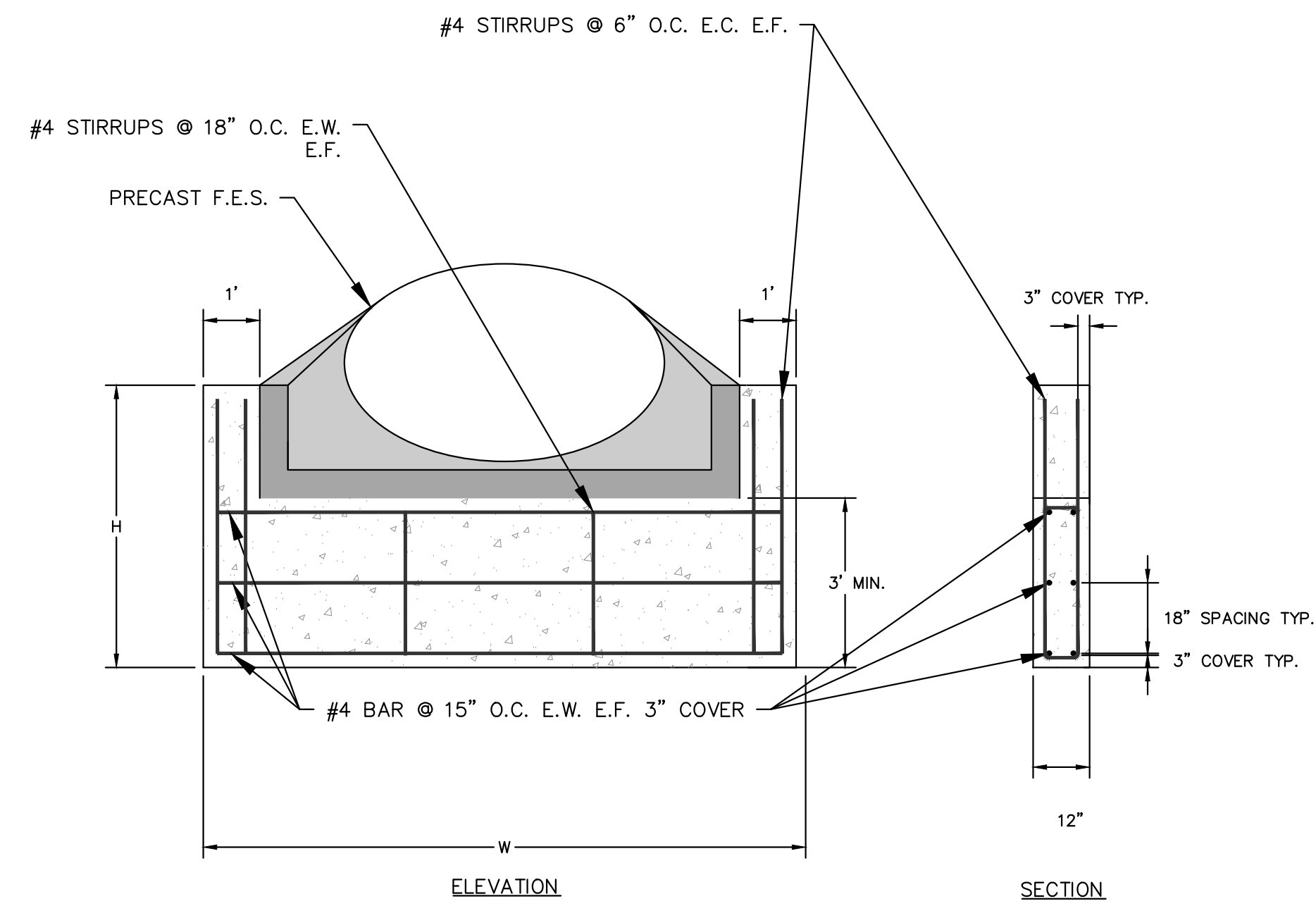
PROJECT NO.  
 196106001

SHEET

**C1.30**

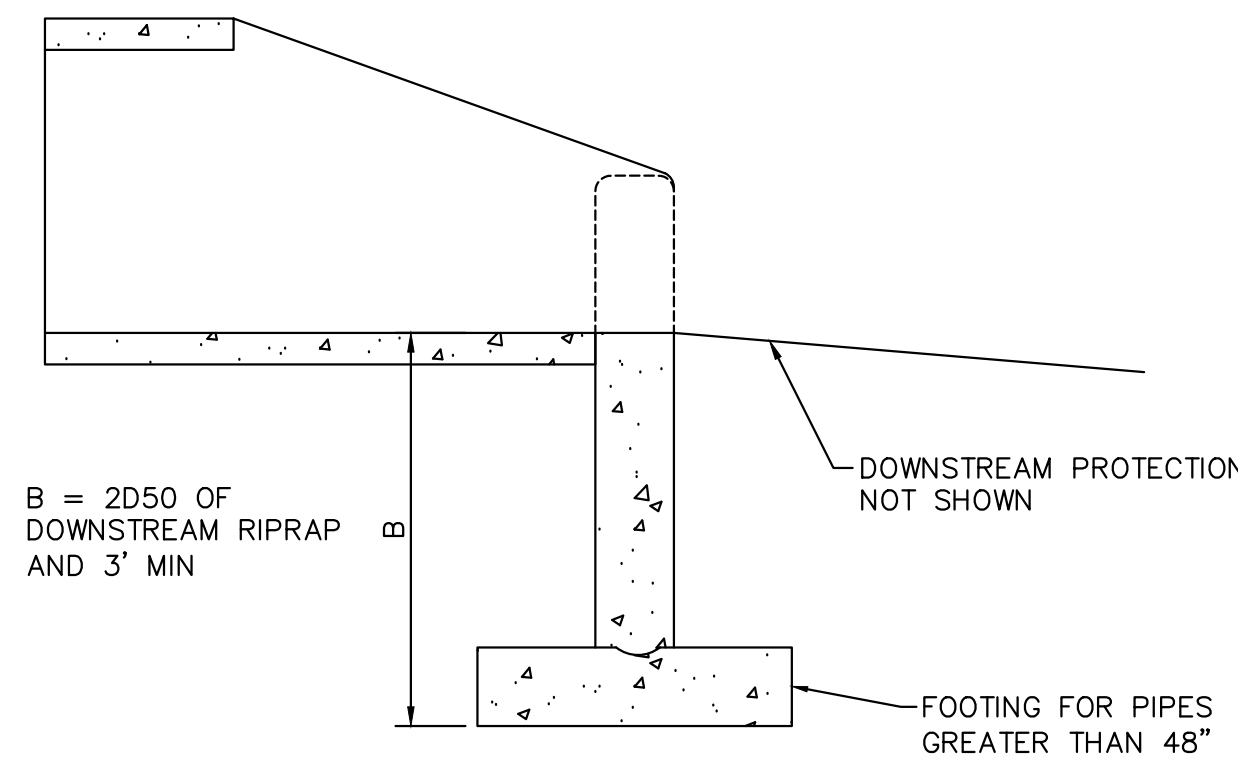




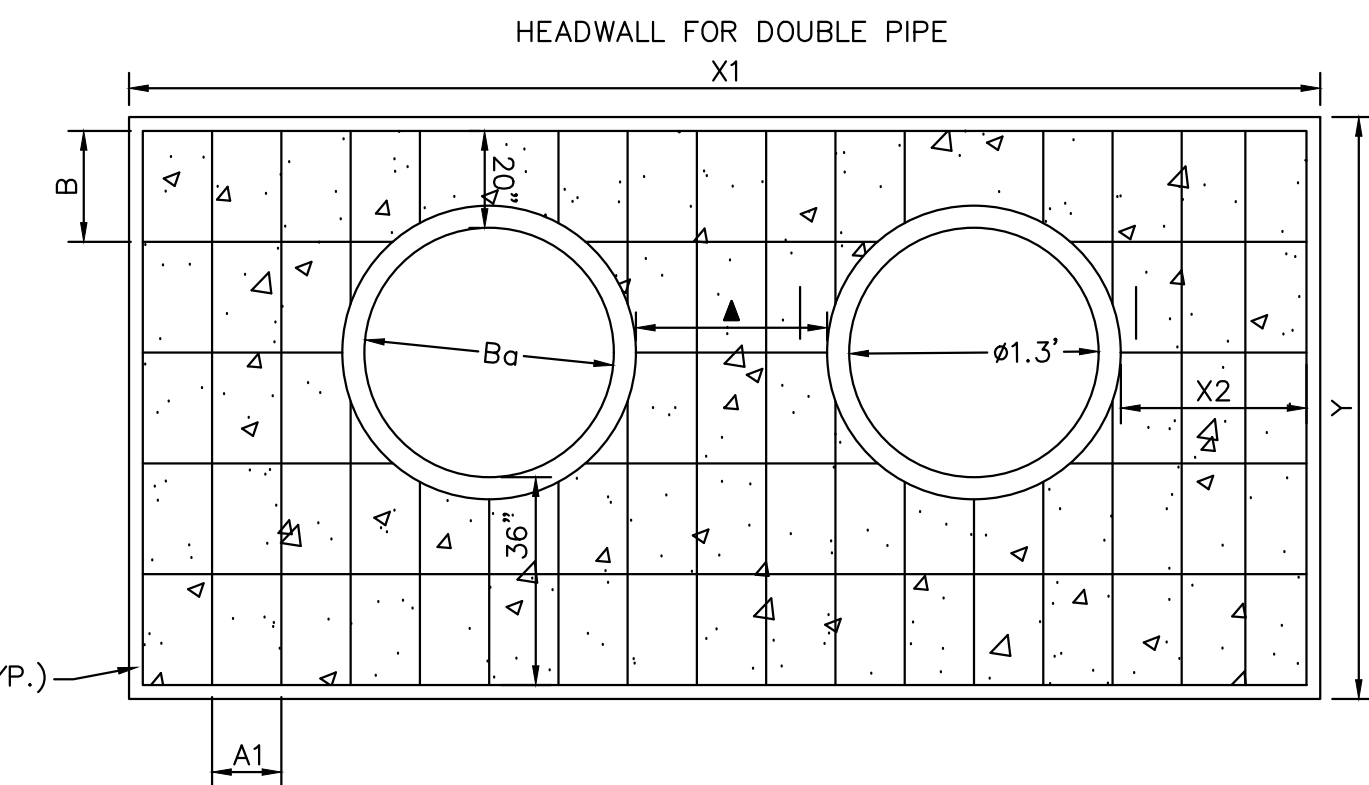


**CULVERT TOE WALL DETAIL**  
N.T.S.

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.

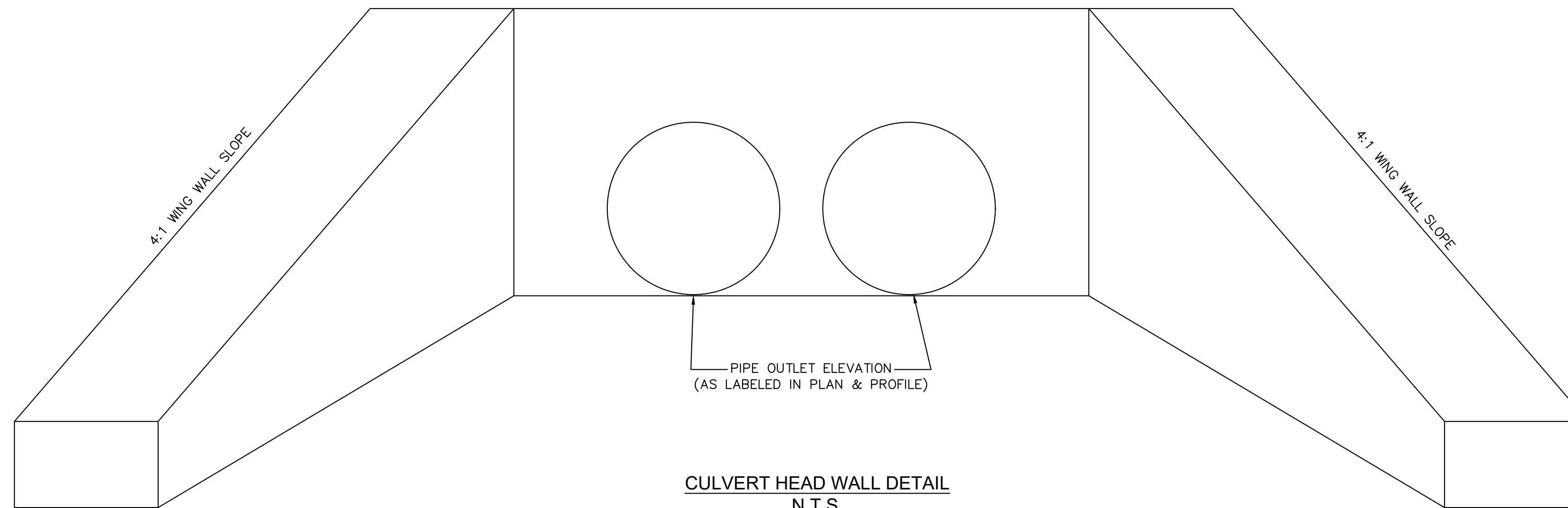


**CULVERT TOE WALL DETAIL**  
N.T.S.



**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.

K:\COS\_Civil\196286000\_Eagleview\CADD\References\Details\KH FES-RIPRAP\_PAD DETAIL.dwg Schmeibach, Ryan 4/19/2024 12:25 PM

NO.	REVISION	BY	DATE	APPR.

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**CULVERT DETAILS**

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 Kimley-Horn and Associates, Inc.

PROJECT NO.  
196106001

SHEET

**C1.32**

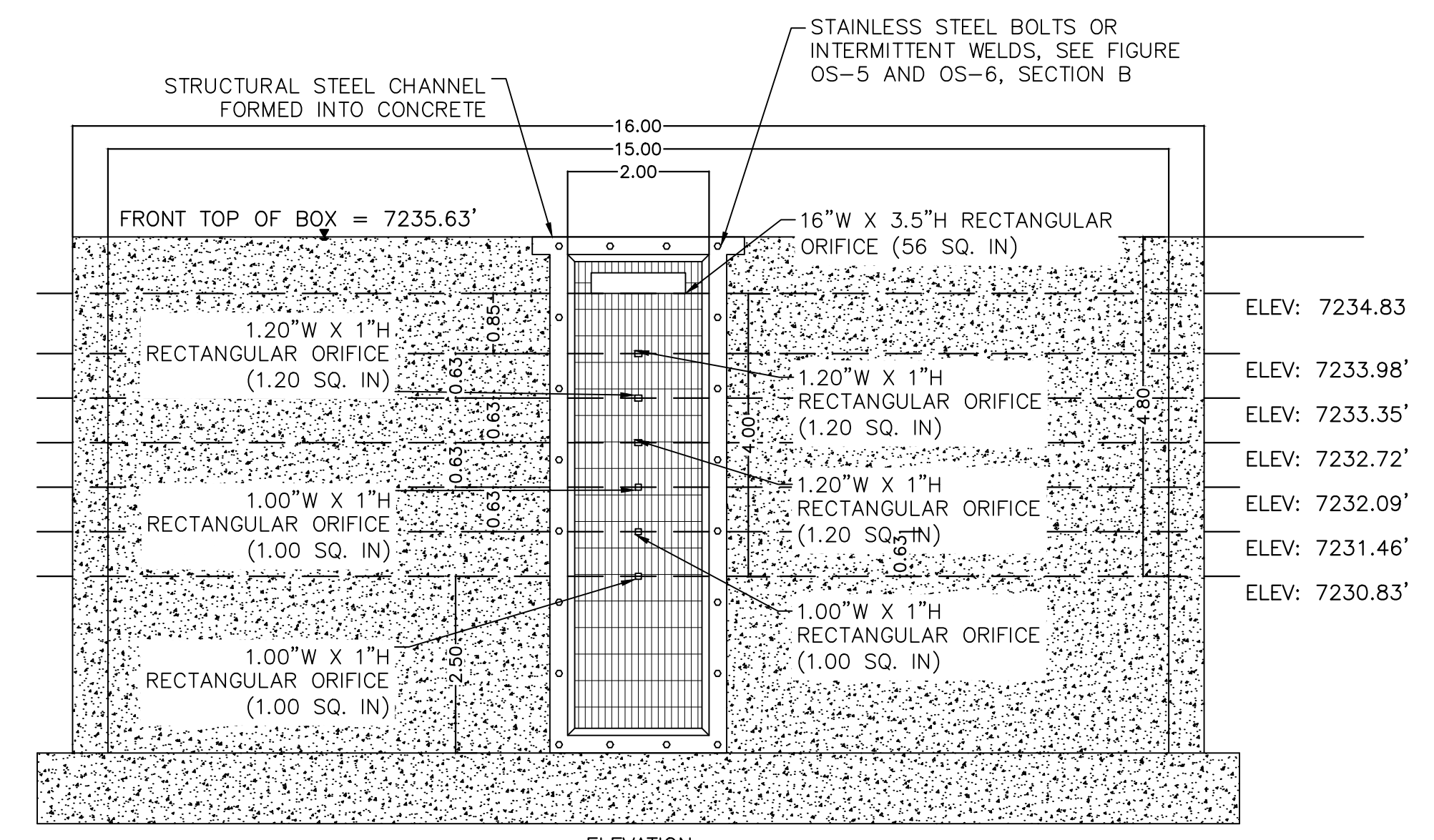


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**811** Know what's below. Call before you dig.

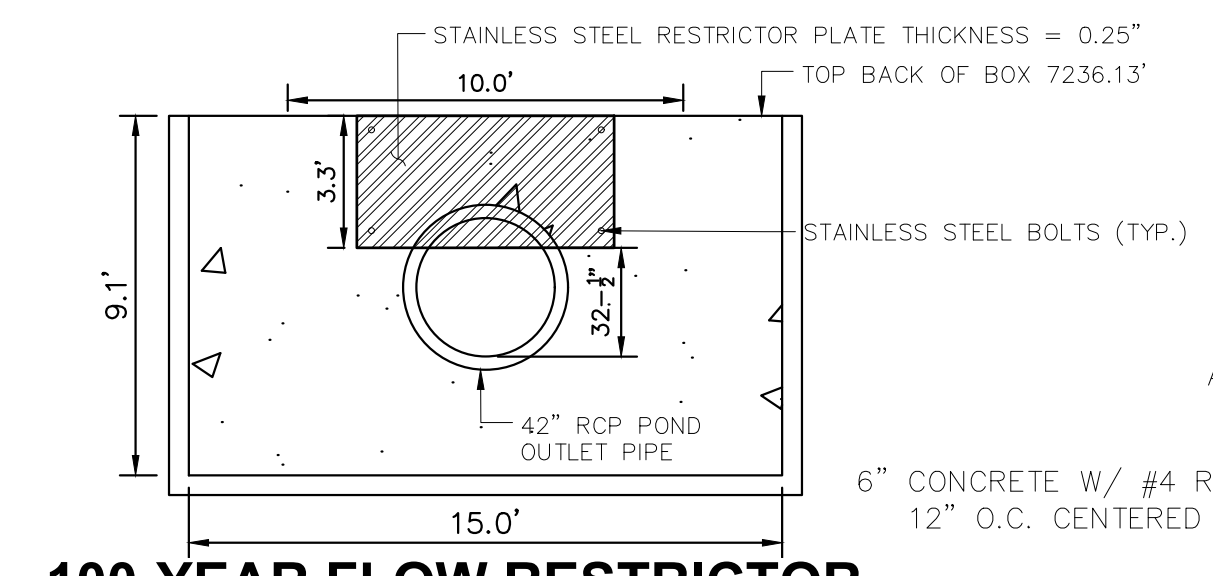
CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987

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

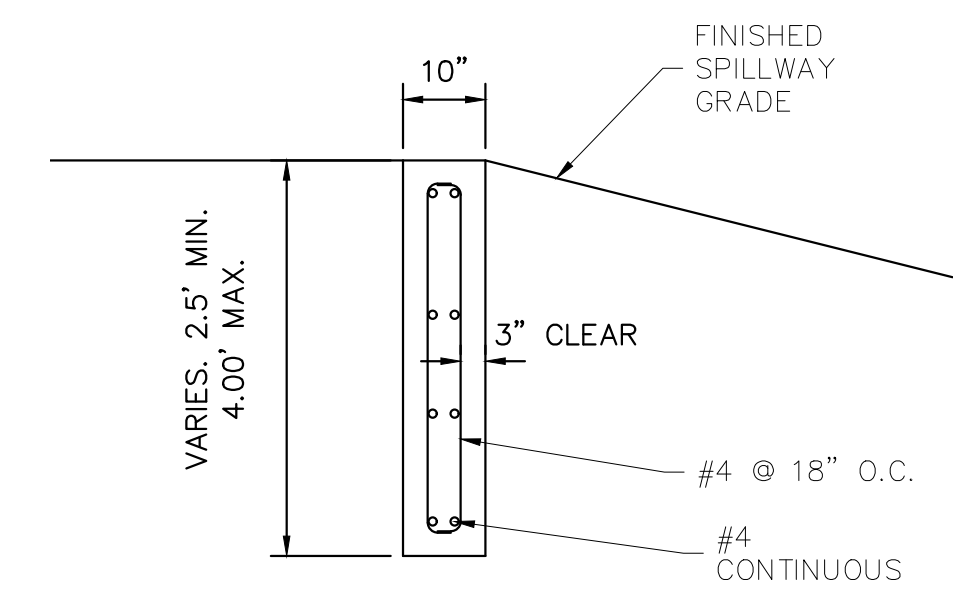


**ORIFICE PLATE AND TRASH RACK DETAIL**  
1"=2'

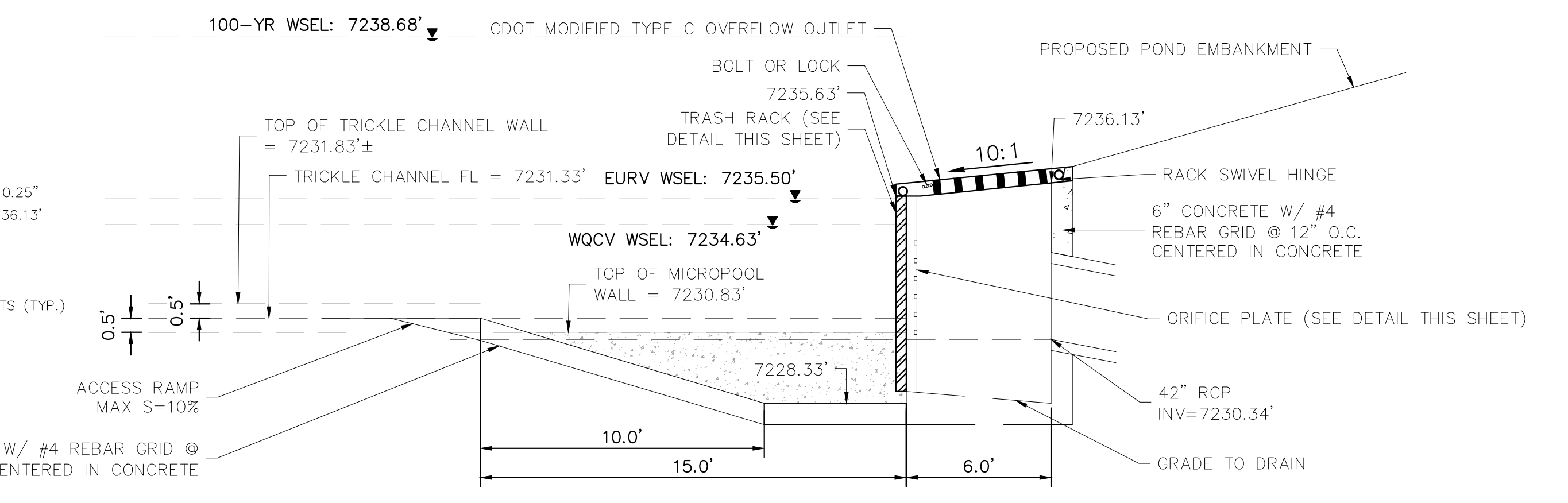
- ORIFICE PLATE NOTES**
1. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
  2. BOLT PLATE TO CONCRETE 12" MAX. ON CENTER. WITH A PLATE THICKNESS OF 0.25".
- EURV AND WQCV TRASH RACKS**
1. WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
  2. BAR GATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
  3. TRASH RACK OPEN AREAS ARE FOR SPECIFIED TRASH RACK MATERIALS. TOTAL TRASH RACK SIZE MAY NEED TO BE ADJUSTED FOR MATERIALS HAVING DIFFERENT OPEN AREA/GROSS AREA RATIO (R VALUE).
  4. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.
- OVERFLOW SAFETY GRATES**
1. ALL SAFETY GRATES SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED AND LOCKABLE OR BOLTABLE ACCESS PANELS.
  2. SAFETY GRATES SHALL BE STAINLESS STEEL, ALUMINUM, OR STEEL. STEEL GRATES SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
  3. SAFETY GRATES SHALL BE DESIGNED SUCH THAT THE DIAGONAL DIMENSION OF EACH OPENING IS SMALLER THAN THE DIAMETER OF THE OUTLET PIPE.
  4. STRUCTURAL DESIGN OF SAFETY GRATES SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.



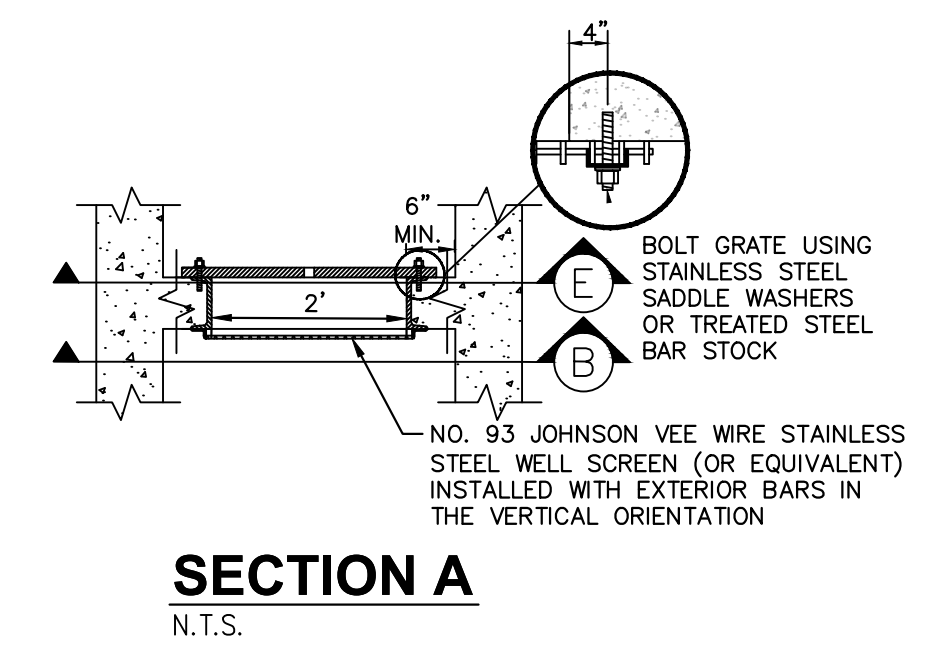
**100-YEAR FLOW RESTRICTOR**  
1"=5'



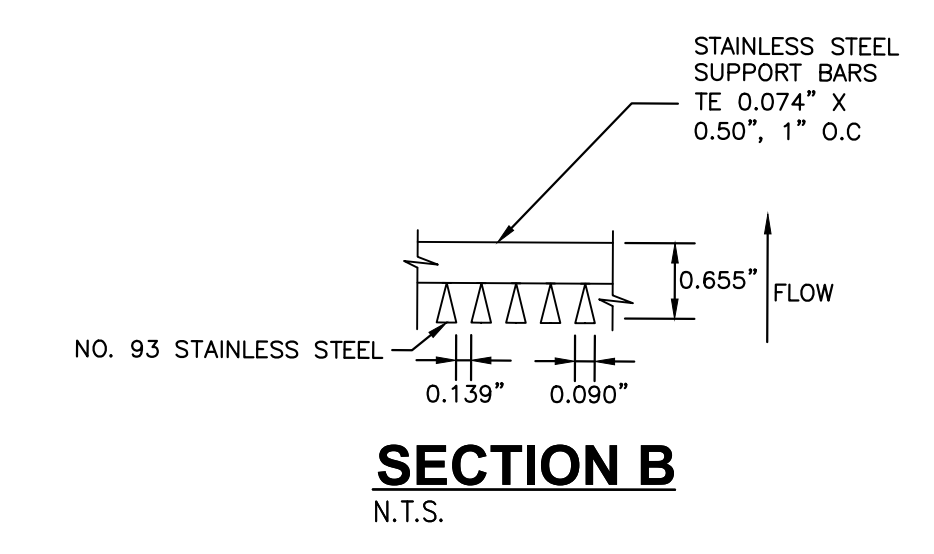
**SECTION CREST WALL DETAIL**  
1"=2'



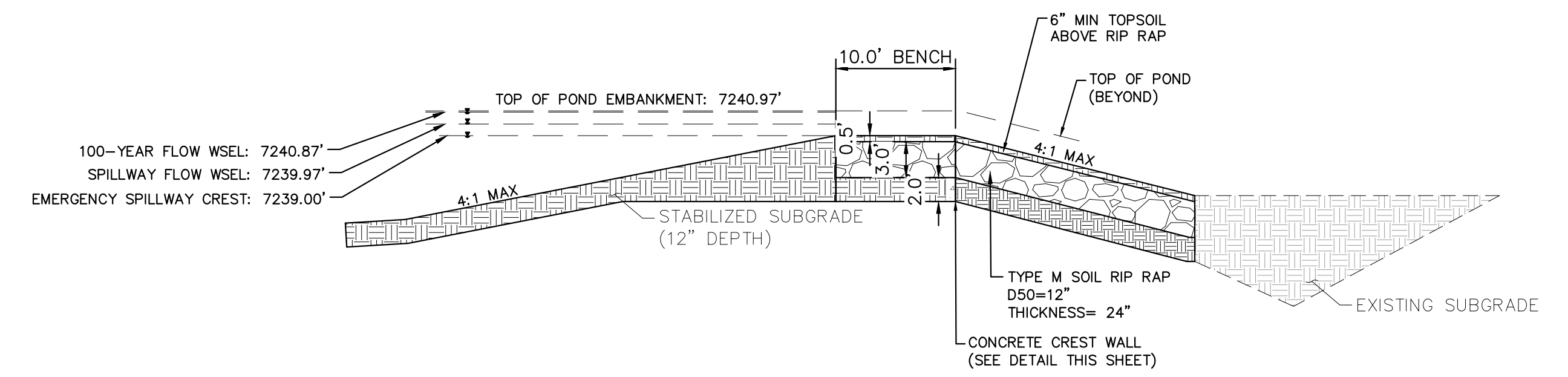
**OUTLET STRUCTURE DETAIL**  
1"=4'



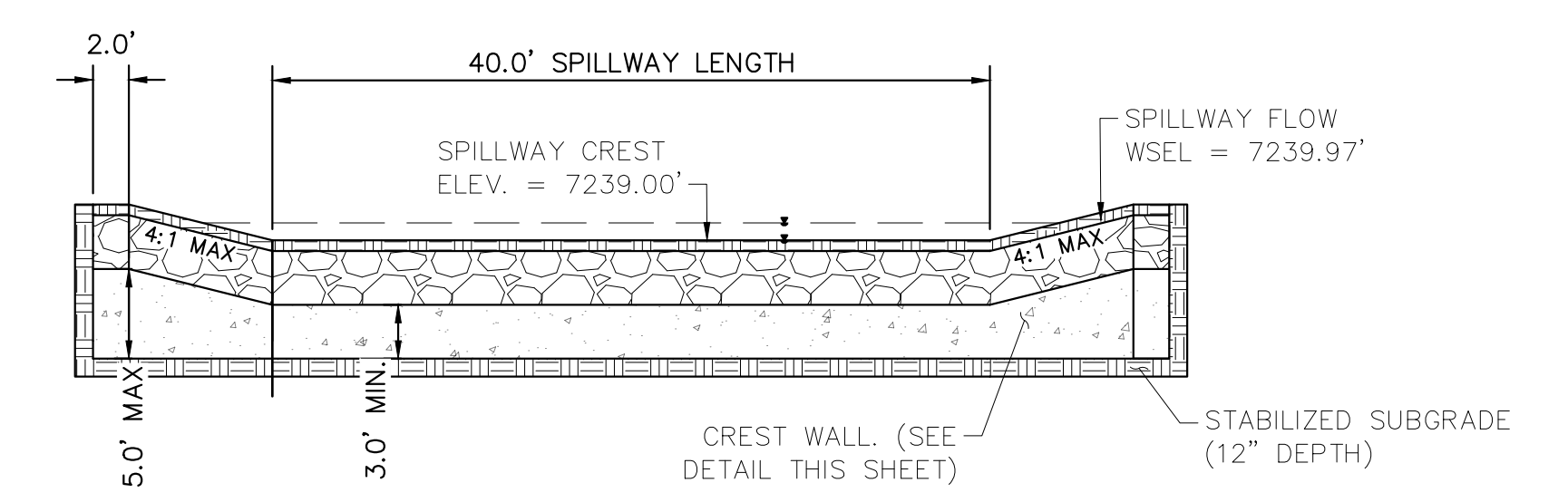
**SECTION A**  
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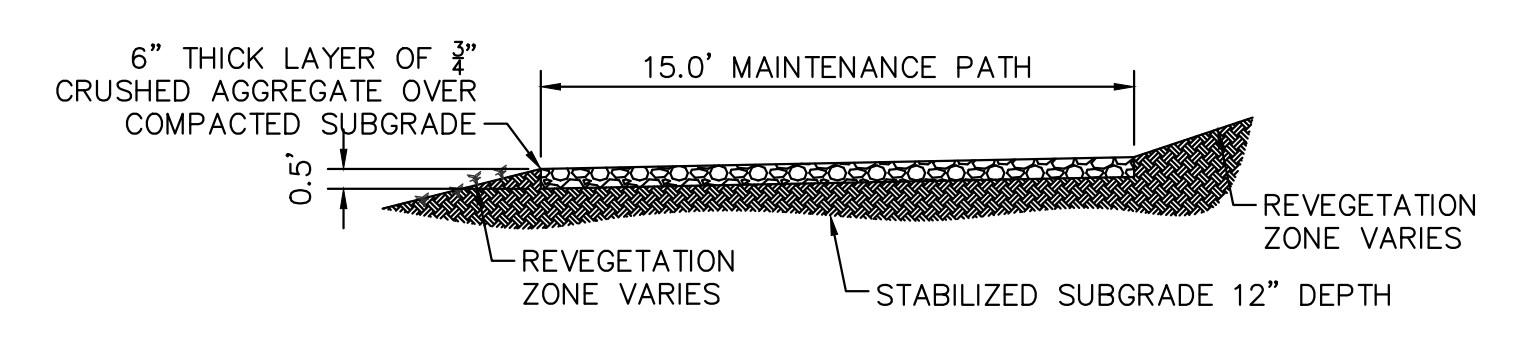
**SECTION B**  
N.T.S.



**EMERGENCY SPILLWAY DETAILS**  
1"=10'

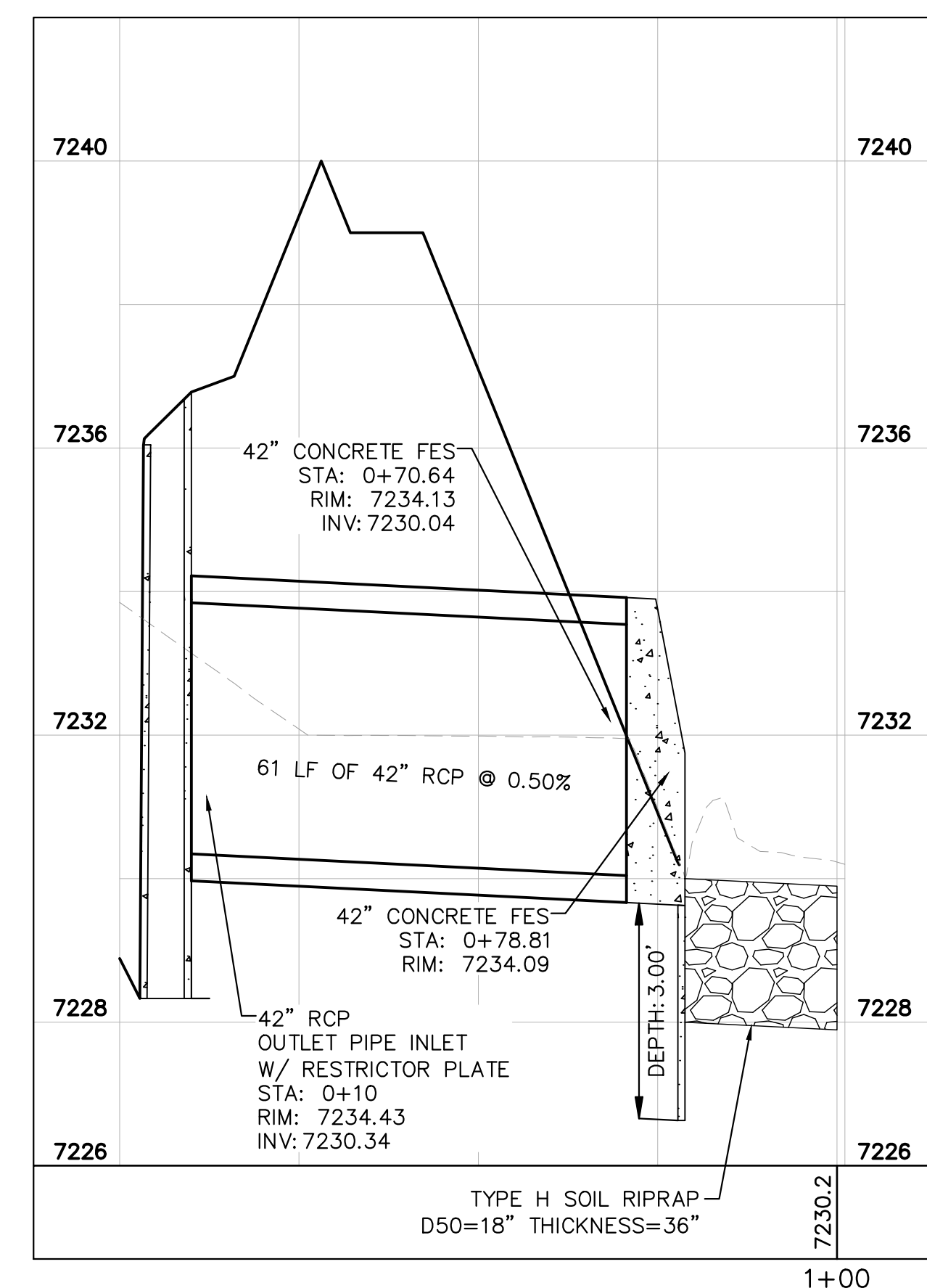


**EMERGENCY SPILLWAY**  
1"=10'



**MAINTENANCE ROAD**  
1"=5'

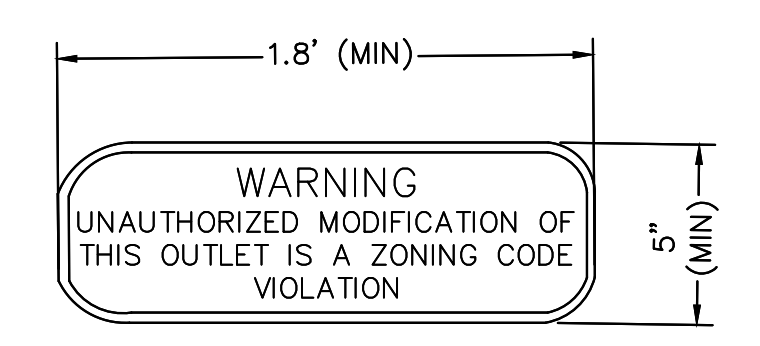
- MAINTENANCE PATH NOTES**
1. MAINTENANCE PATH SHALL INCLUDE SUBGRADE PREPARATION, GRAVEL BASE, AND COMPACTION.



**POND #3 OUTFALL PROFILE**  
1"=20'

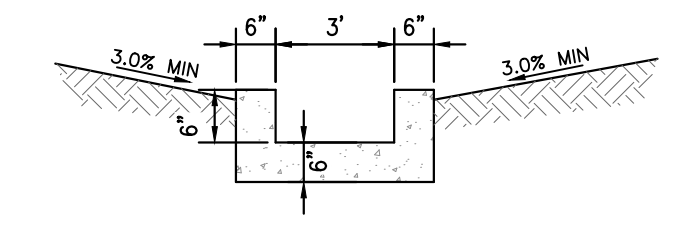


**PET WASTE SIGNAGE**  
N.T.S.



**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.



**CONCRETE TRICKLE CHANNEL**  
1"=5'

NO.	REVISION	BY	DATE	APPR

**Kimley-Horn**

2024 KIMLEY-HORN AND ASSOCIATES, INC.  
2 North Nevada Avenue Suite 900  
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DESIGNED BY: MJK  
DRAWN BY: MJK  
CHECKED BY: KRK  
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EAGLEVIEW  
EL PASO COUNTY, COLORADO  
CONSTRUCTION DOCUMENTS  
POND 3 DETAILS

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Kimley-Horn and Associates, Inc.

PROJECT NO.  
196106001

SHEET

**C1.34**



**ORIFICE PLATE NOTES**

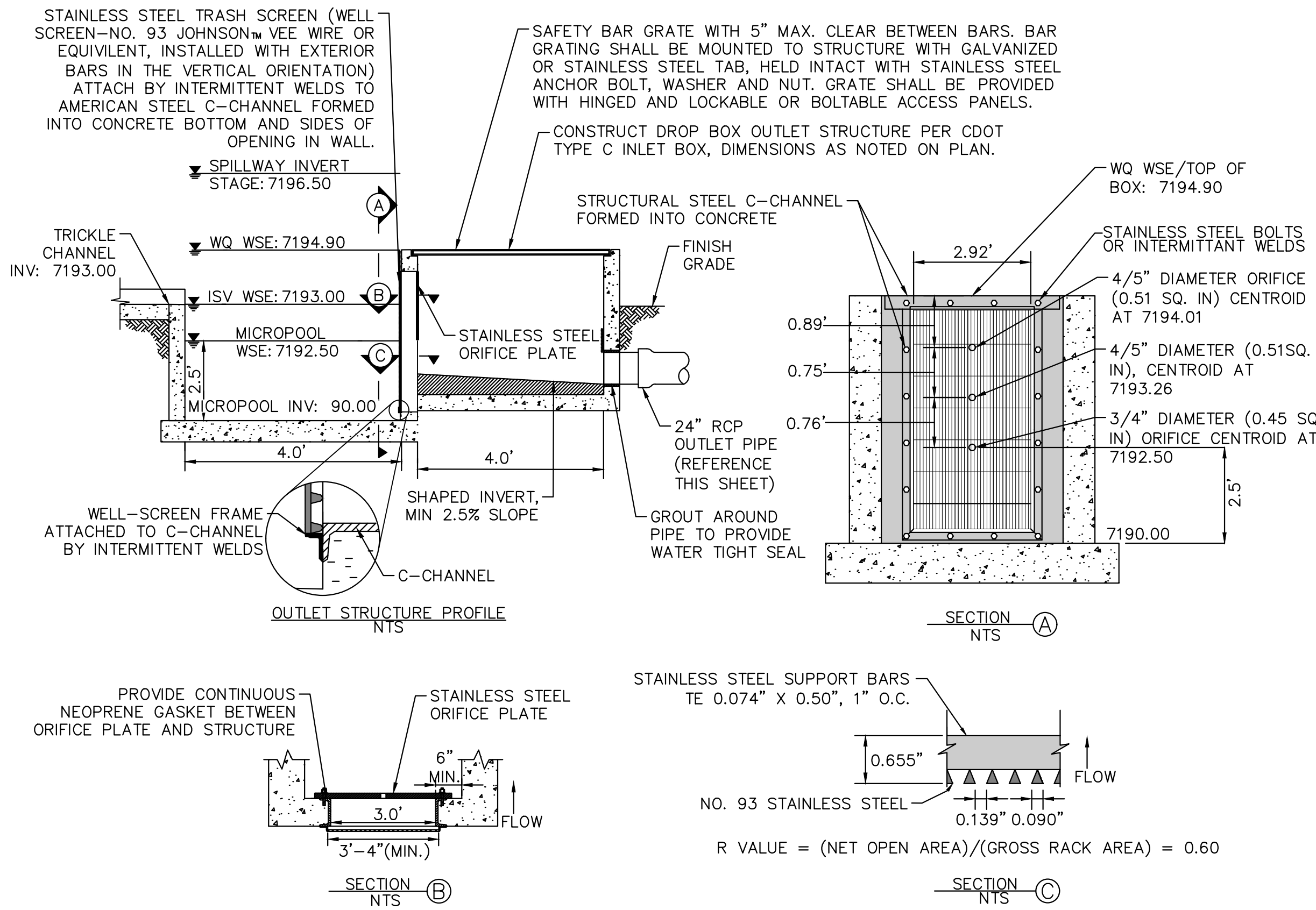
1. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
2. BOLT PLATE TO CONCRETE 12" MAX. ON CENTER, WITH A PLATE THICKNESS OF 0.25".

**WELL-SCREEN TRASH RACKS**

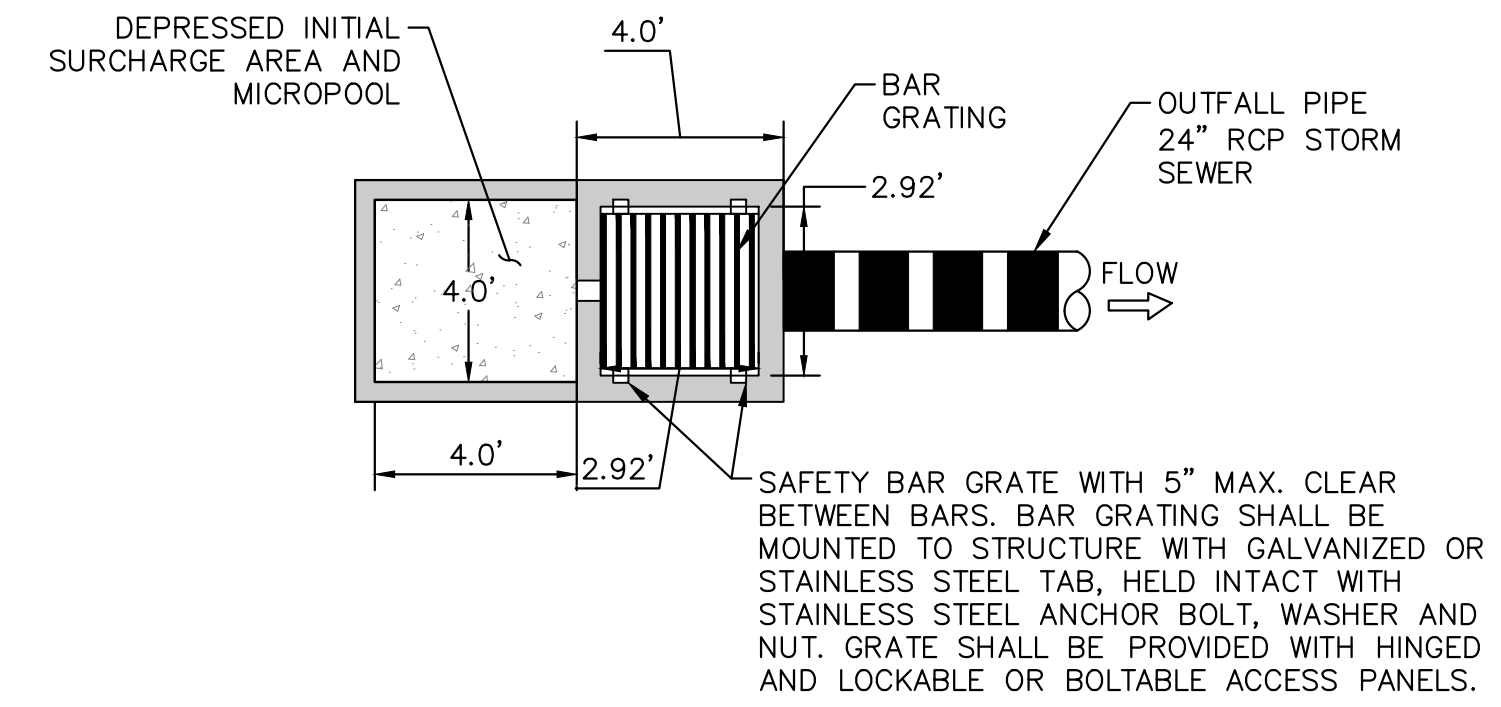
1. WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
2. BAR GATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
3. TRASH RACK OPEN AREAS ARE FOR SPECIFIED TRASH RACK MATERIALS. TOTAL TRASH RACK SIZE MAY NEED TO BE ADJUSTED FOR MATERIALS HAVING DIFFERENT OPEN AREA/GROSS AREA RATIO (R VALUE).
4. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.

**OVERFLOW SAFETY GRATES**

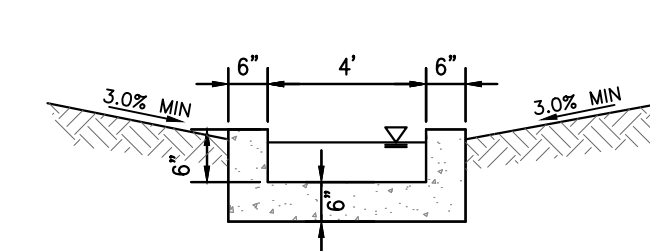
1. ALL SAFETY GRATES SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED AND LOCKABLE OR BOLTABLE ACCESS PANELS.
2. SAFETY GRATES SHALL BE STAINLESS STEEL, ALUMINUM, OR STEEL. STEEL GRATES SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
3. SAFETY GRATES SHALL BE DESIGNED SUCH THAT THE DIAGONAL DIMENSION OF EACH OPENING IS SMALLER THAN THE DIAMETER OF THE OUTLET PIPE.
4. STRUCTURAL DESIGN OF SAFETY GRATES SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.



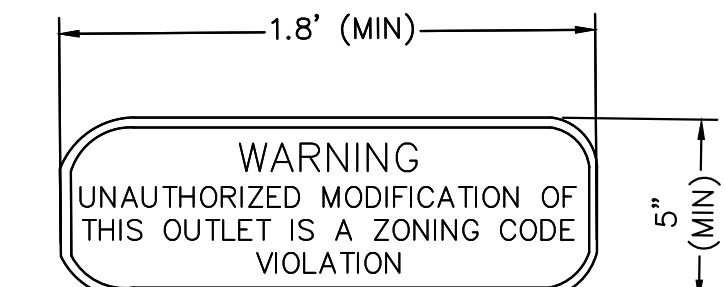
**OUTLET STRUCTURE PROFILE DETAIL**  
N.T.S.



**OUTLET STRUCTURE PLAN VIEW DETAIL**  
N.T.S.

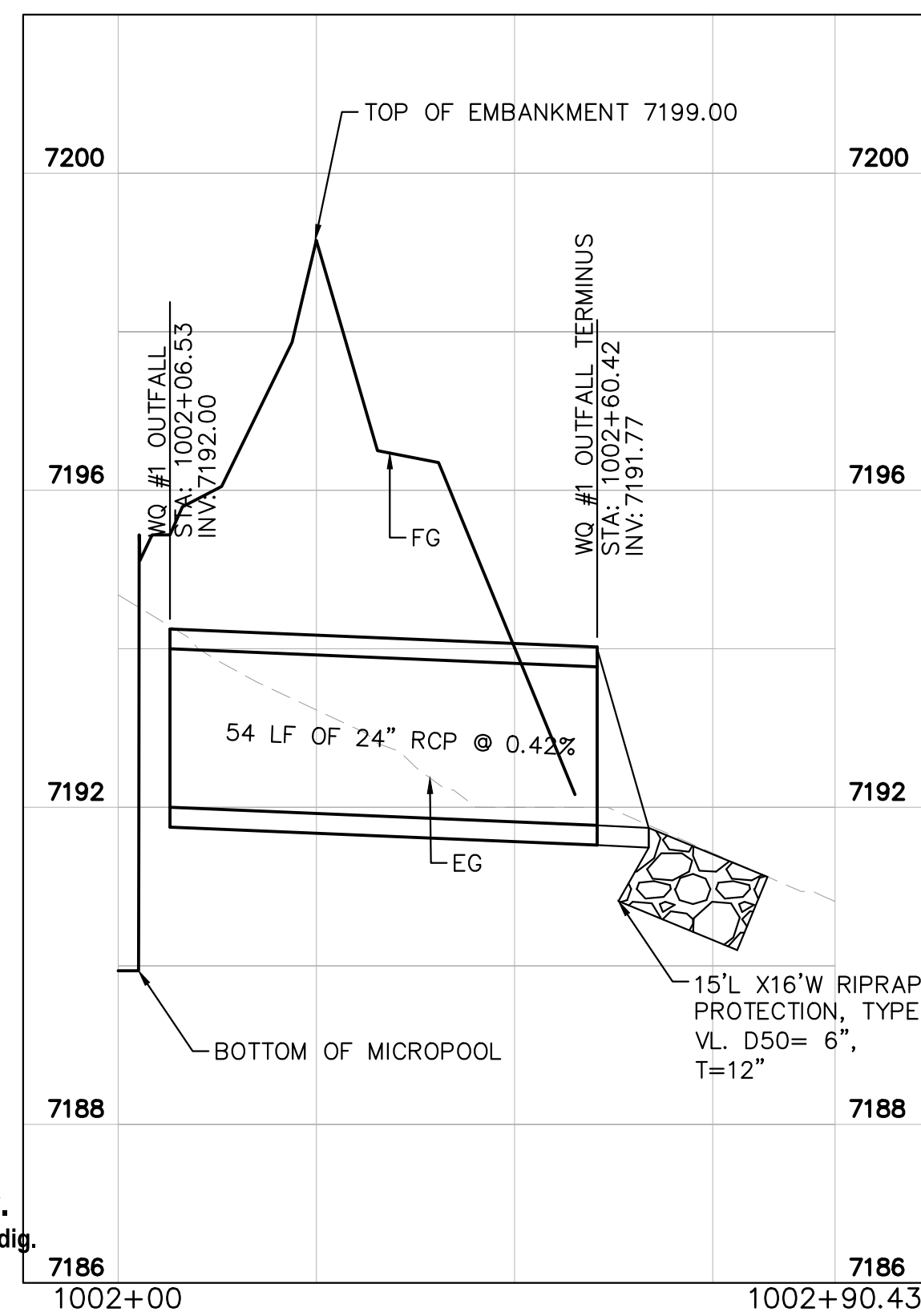


**CONCRETE TRICKLE CHANNEL**  
1"=5"

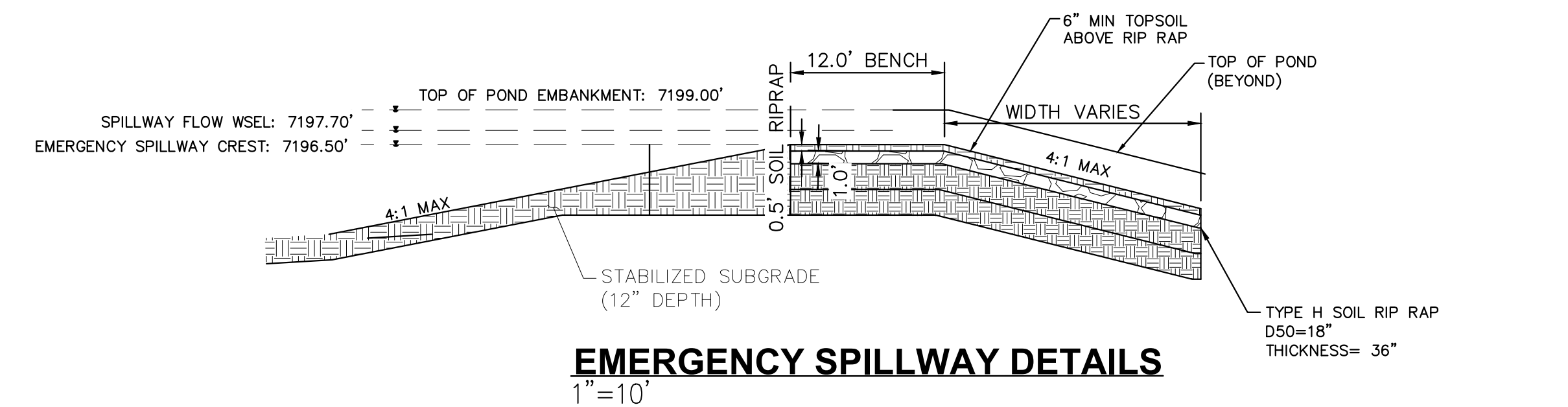


**OUTLET SIGNAGE**

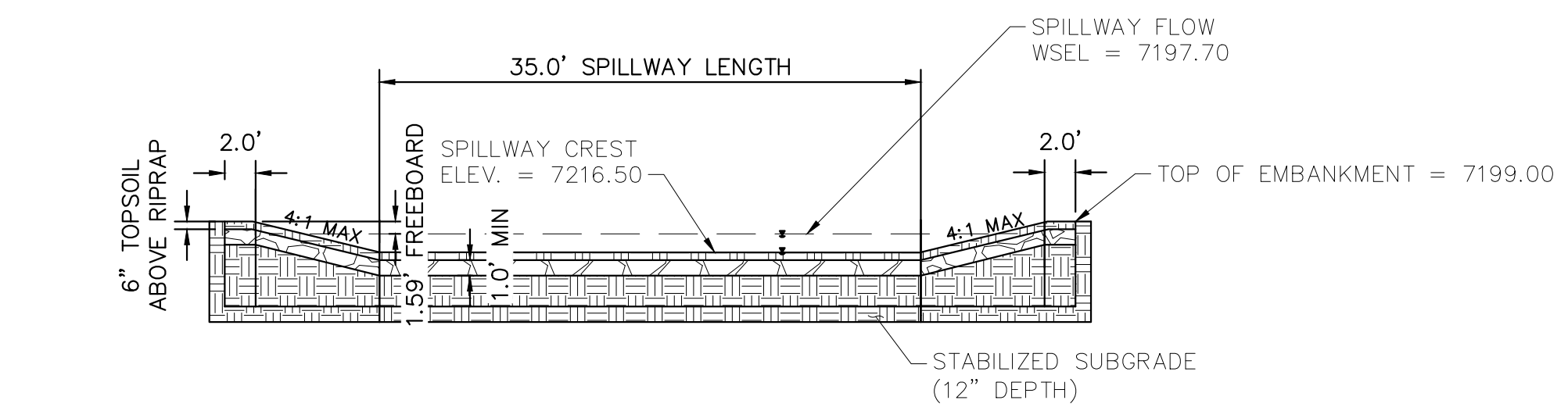
- N.T.S.  
**OUTLET SIGNAGE NOTES**
1. SIGN SHALL BE A MINIMUM OF 0.75 SQUARE FEET AND SHALL BE ATTACHED TO THE OUTLET OR POSTED NEARBY.



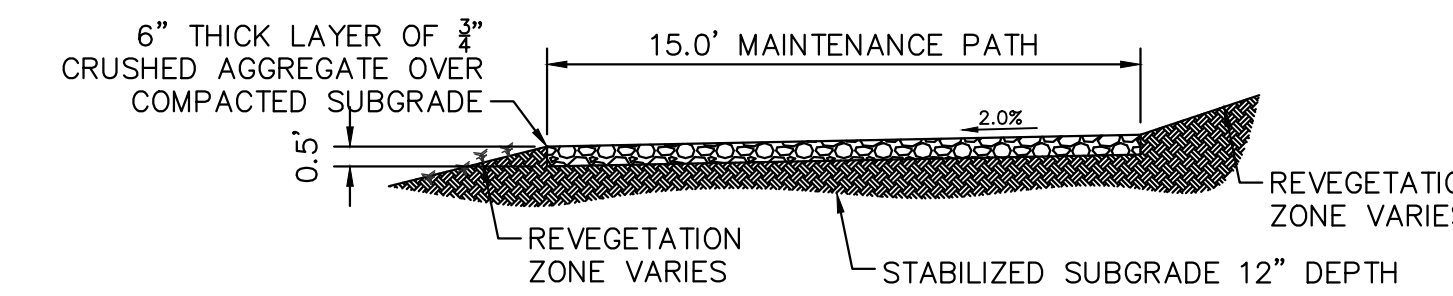
**WATER QUALITY #1 OUTFALL**  
1"=20'



**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.



**PET WASTE SIGNAGE**  
N.T.S.



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

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CONSTRUCTION  
**Kimley»Horn**  
Kimley-Horn and Associates, Inc.

PROJECT NO.  
196106001  
SHEET

**C1.36**



**ORIFICE PLATE NOTES**

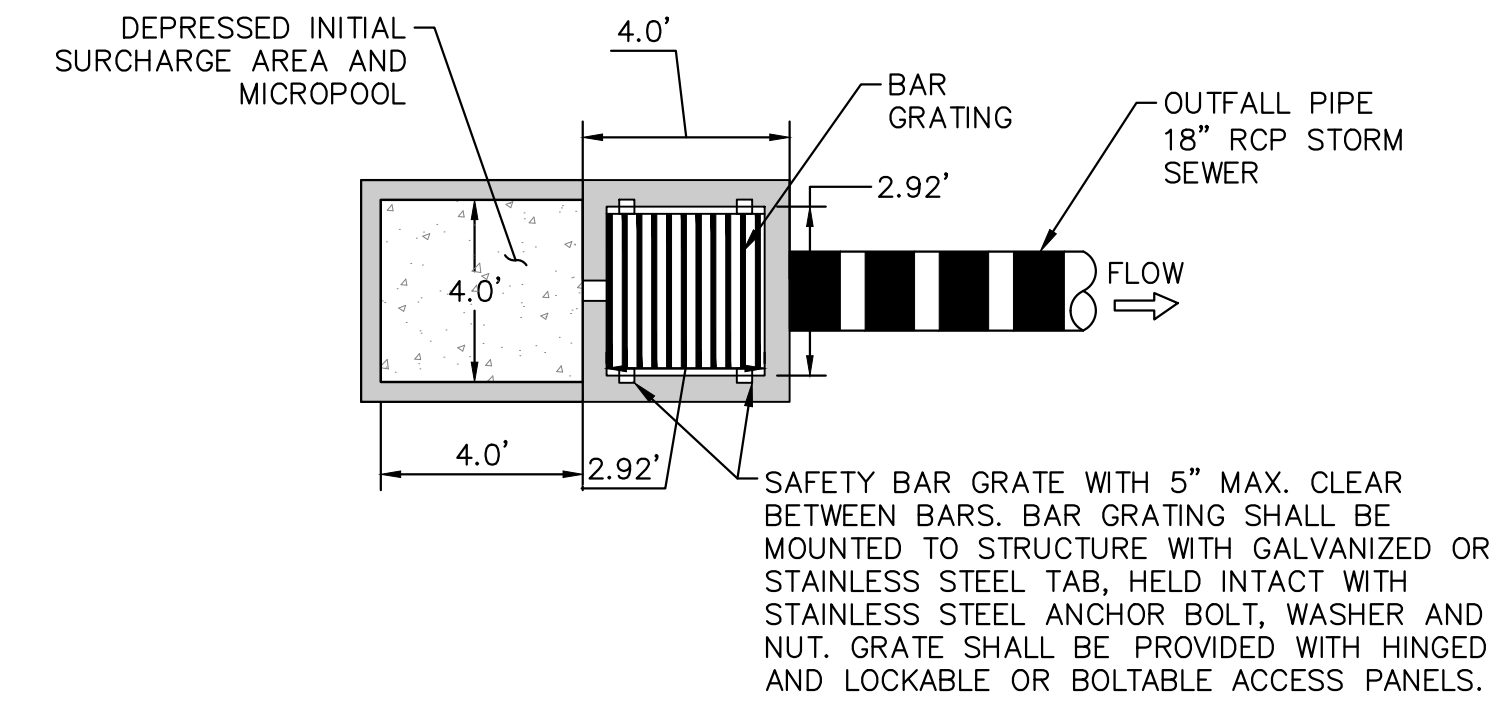
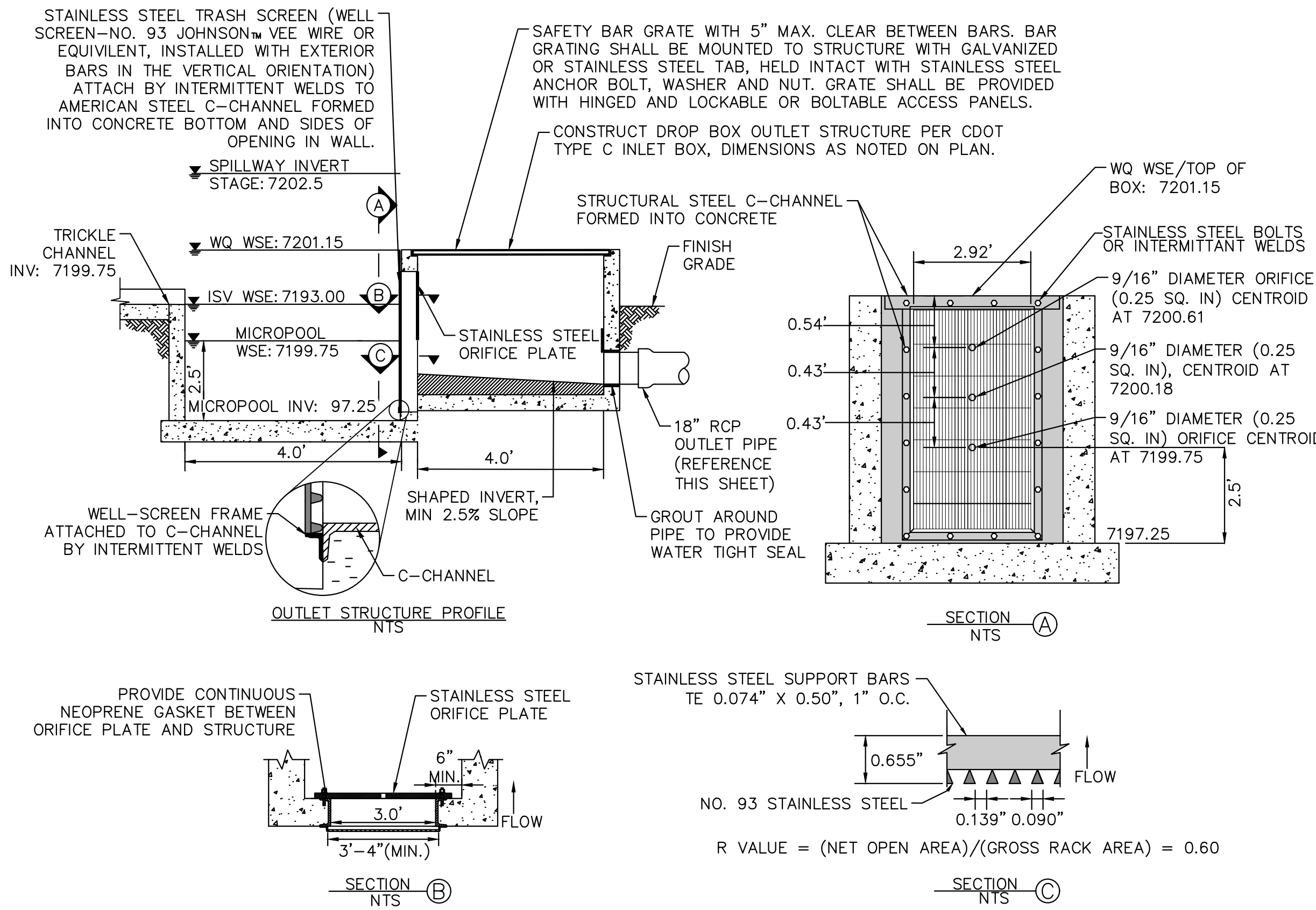
1. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
2. BOLT PLATE TO CONCRETE 12" MAX. ON CENTER, WITH A PLATE THICKNESS OF 0.25".

**WELL-SCREEN TRASH RACKS**

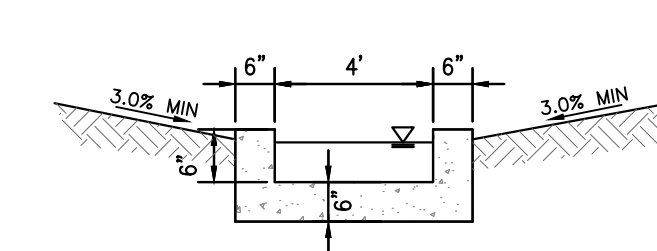
1. WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
2. BAR GATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
3. TRASH RACK OPEN AREAS ARE FOR SPECIFIED TRASH RACK MATERIALS. TOTAL TRASH RACK SIZE MAY NEED TO BE ADJUSTED FOR MATERIALS HAVING DIFFERENT OPEN AREA/GROSS AREA RATIO (R VALUE).
4. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.

**OVERFLOW SAFETY GRATES**

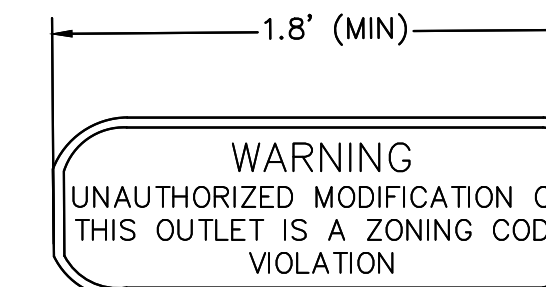
1. ALL SAFETY GRATES SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED AND LOCKABLE OR BOLTABLE ACCESS PANELS.
2. SAFETY GRATES SHALL BE STAINLESS STEEL, ALUMINUM, OR STEEL. STEEL GRATES SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
3. SAFETY GRATES SHALL BE DESIGNED SUCH THAT THE DIAGONAL DIMENSION OF EACH OPENING IS SMALLER THAN THE DIAMETER OF THE OUTLET PIPE.
4. STRUCTURAL DESIGN OF SAFETY GRATES SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.



**OUTLET STRUCTURE PLAN VIEW DETAIL**  
N.T.S.



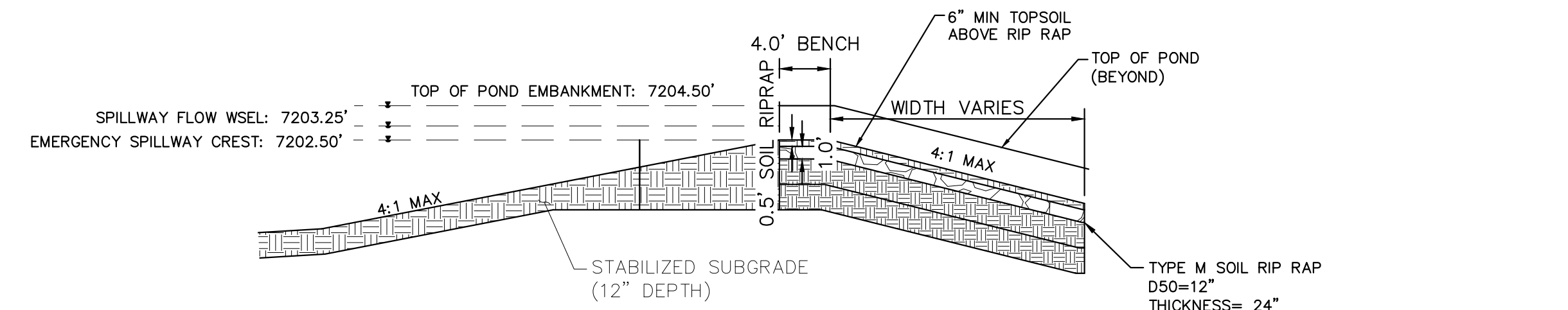
**CONCRETE TRICKLE CHANNEL**  
1"=5'



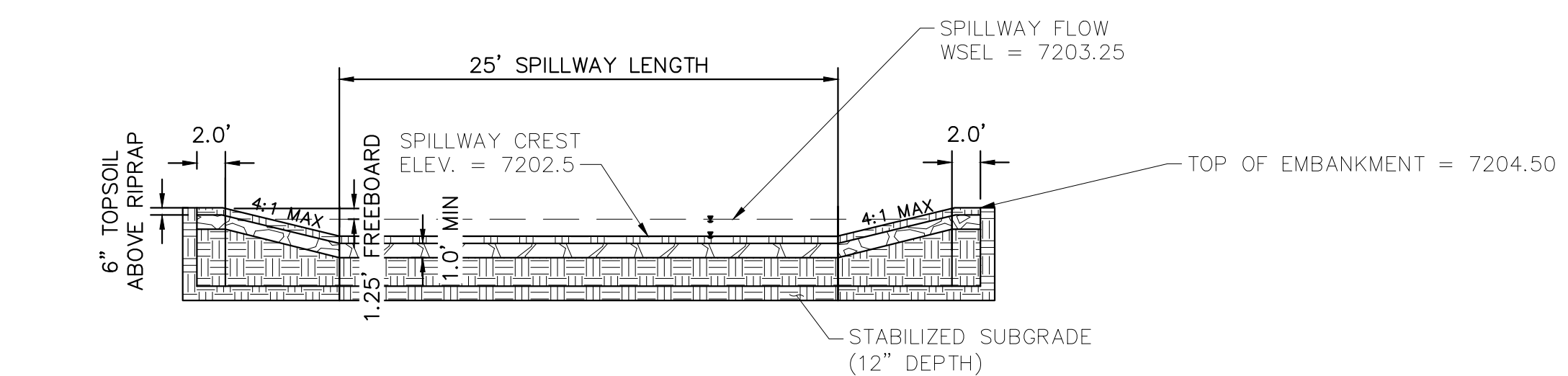
**OUTLET SIGNAGE**  
N.T.S.

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

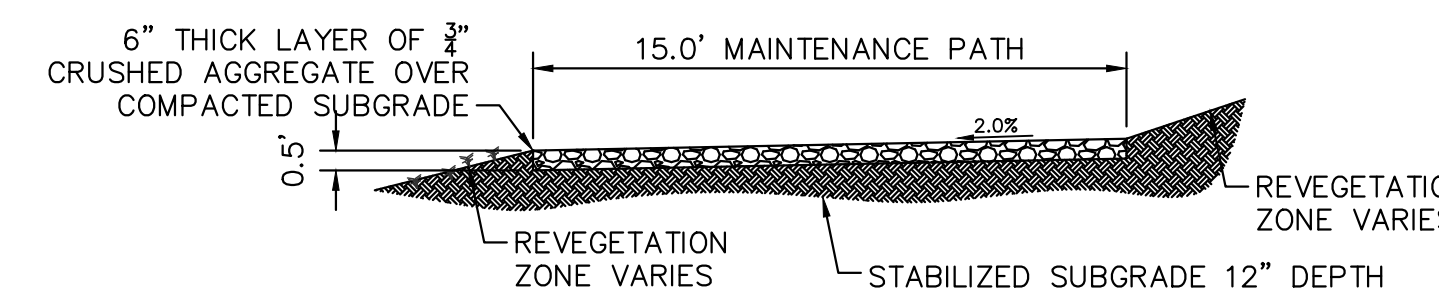
**OUTLET STRUCTURE PROFILE DETAIL**  
N.T.S.



**EMERGENCY SPILLWAY DETAILS**  
1"=10'

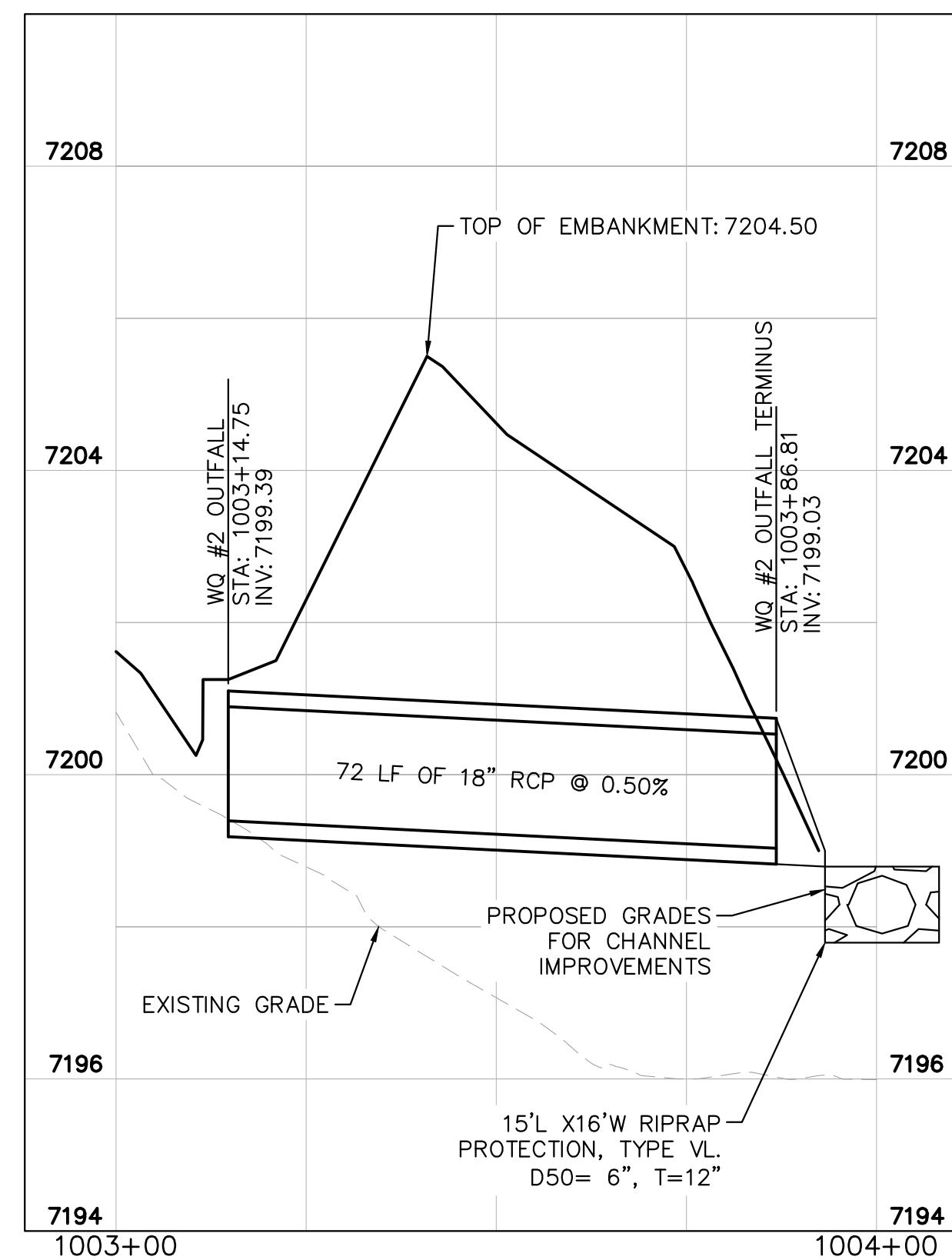


**EMERGENCY SPILLWAY**  
1"=10'



**MAINTENANCE ROAD**  
1"=5'

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



**WATER QUALITY #2 OUTFALL**  
1"=20'



**PET WASTE SIGNAGE**  
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: 04/18/2023

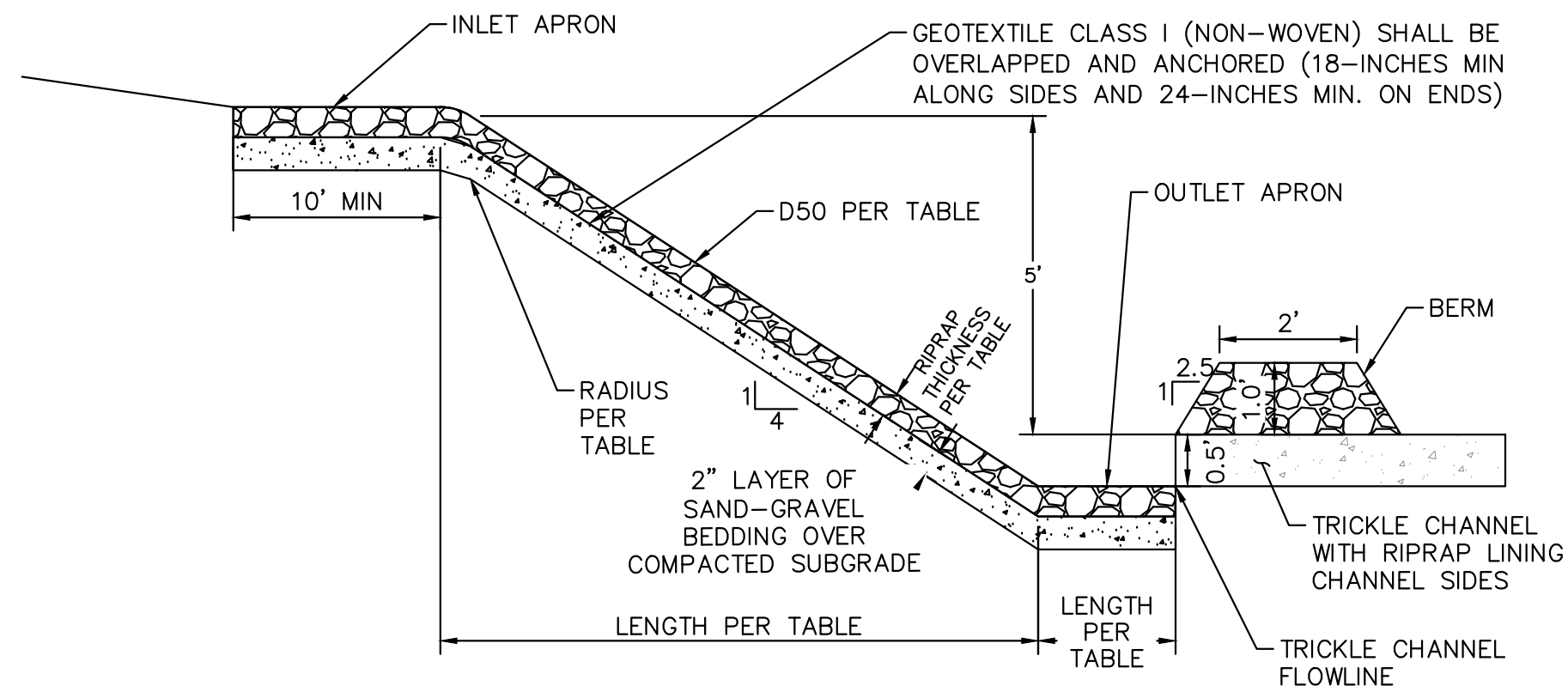
EAGLEVIEW  
EL PASO COUNTY, COLORADO  
CONSTRUCTION DOCUMENTS  
WATER QUALITY POND #2 DETAILS

PRELIMINARY  
FOR REVIEW ONLY  
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Kimley-Horn and Associates, Inc.

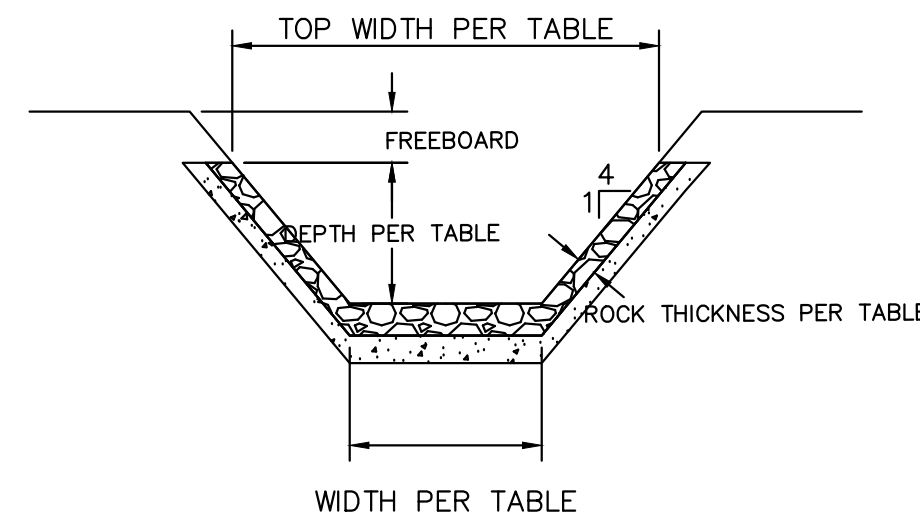
PROJECT NO.  
196106001  
SHEET

**C1.38**

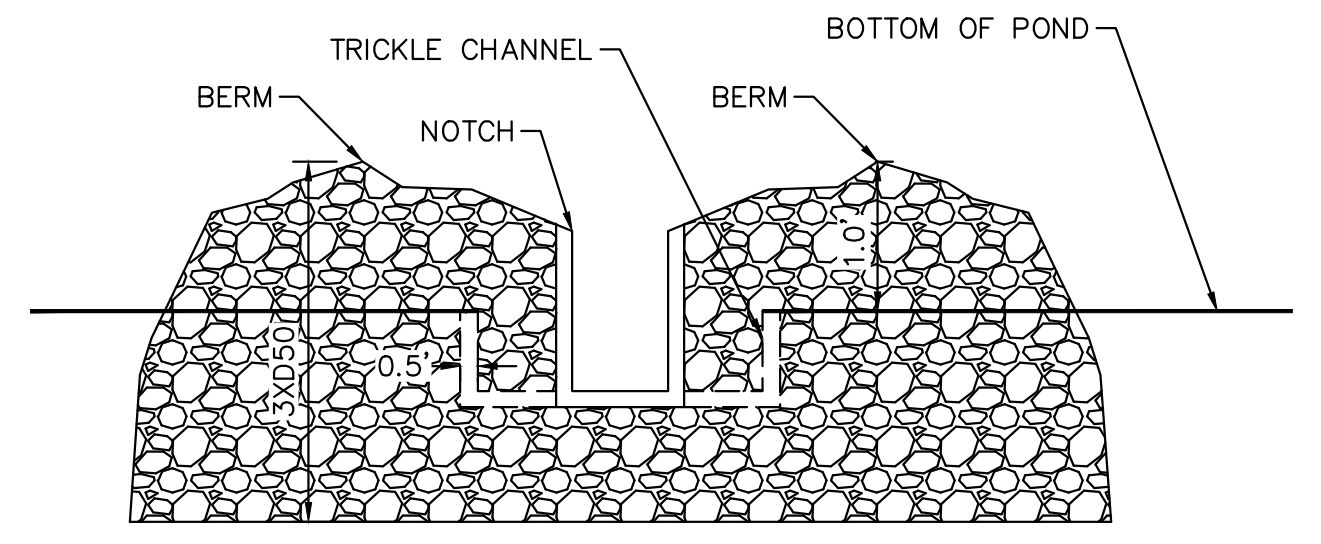
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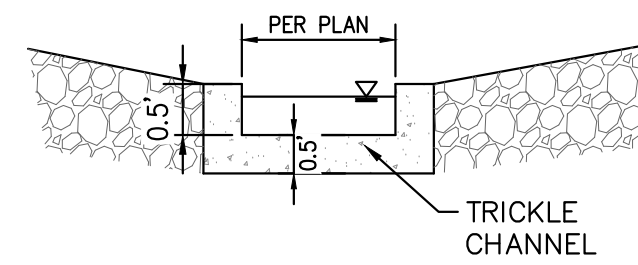
**ROCK CHUTE PROFILE- CROSS SECTION -INTO POND/ FOREBAY APPLICATION**



**ROCK CHUTE PROFILE- CROSS SECTION 2**



**ROCK CHUTE PROFILE- INTO POND/FOREBAY APPLICATION**



**ROCK CHUTE TO TRICKLE CHANNEL TRANSITION- INTO POND/FOREBAY APPLICATION**

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)	Radius (ft)	Rock Chute Depth* (ft)	Top Chute Width** (ft)
1	PB8A	PB8A(60%), OB5	103	12.5	10	40	14	10	12	24	36	3.0	34
2	PB8A	PB8A (40%) OB8, PB11, PB14 (10%)	20	5	10	40	7	10	12	24	17	2.0	26
3	PB14	OB8, PB11, PB14 (10%)	96	12	7	28	16	10	18	36	27	3.0	34
4	PB15	PB6, PB7, PB15(55%) OB2, OB3, OB4, PB3, PB4, PB5, PB15 (10%)	43	10	6	24	13	14	12	24	21	2.0	30
5	PB15		185	14	5	20	23	18	24	48	39	3.5	46



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: KKR  
 DATE: 04/18/2023

EAGLEVIEW  
 EL PASO COUNTY, COLORADO  
 CONSTRUCTION DOCUMENTS  
**ROCK CHUTE DETAILS**

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 Kimley-Horn and Associates, Inc.

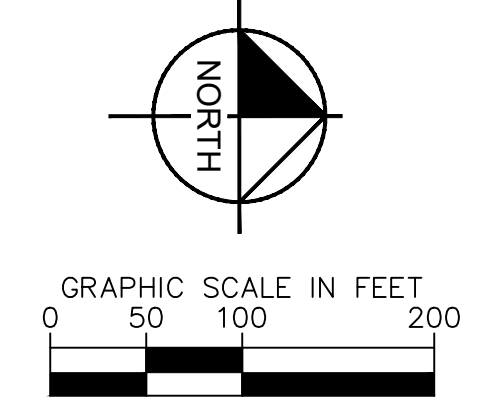
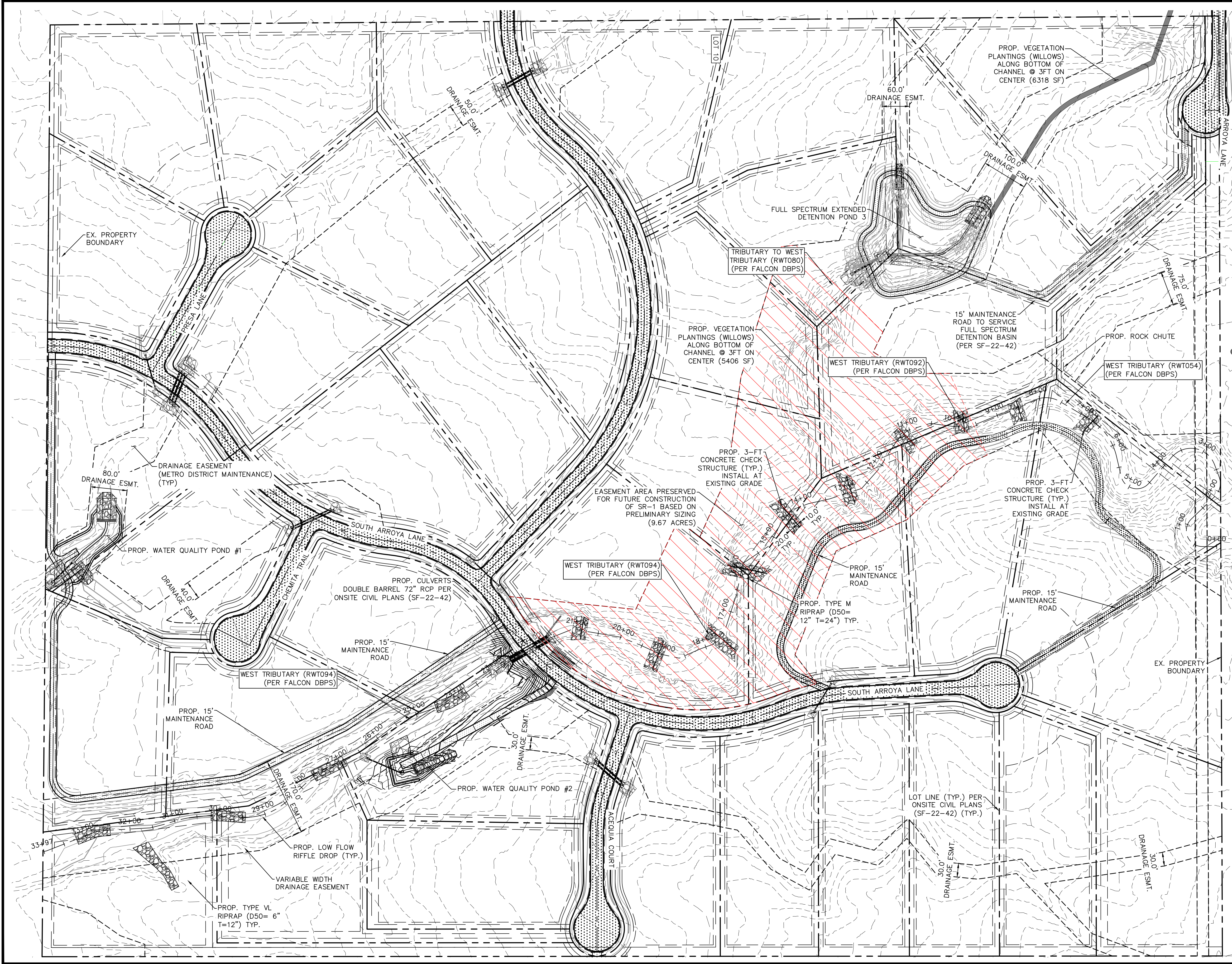
PROJECT NO.  
 196106001

SHEET

**C1.39**



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**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)

**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.

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: DCM  
 DRAWN BY: DCM  
 CHECKED BY: BAH  
 DATE: 12/20/2023

**EAGLEVIEW**  
 EL PASO COUNTY, COLORADO  
 CONSTRUCTION DOCUMENTS  
**OVERALL DRAINAGE IMPROVEMENTS**

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

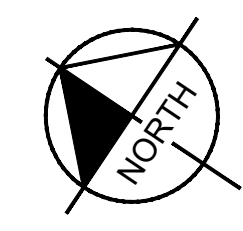
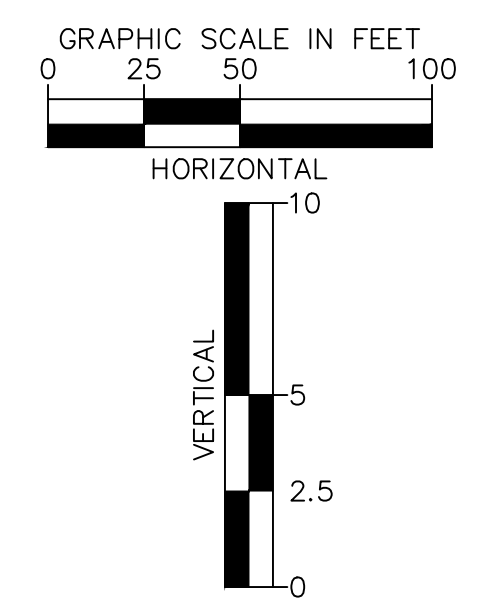
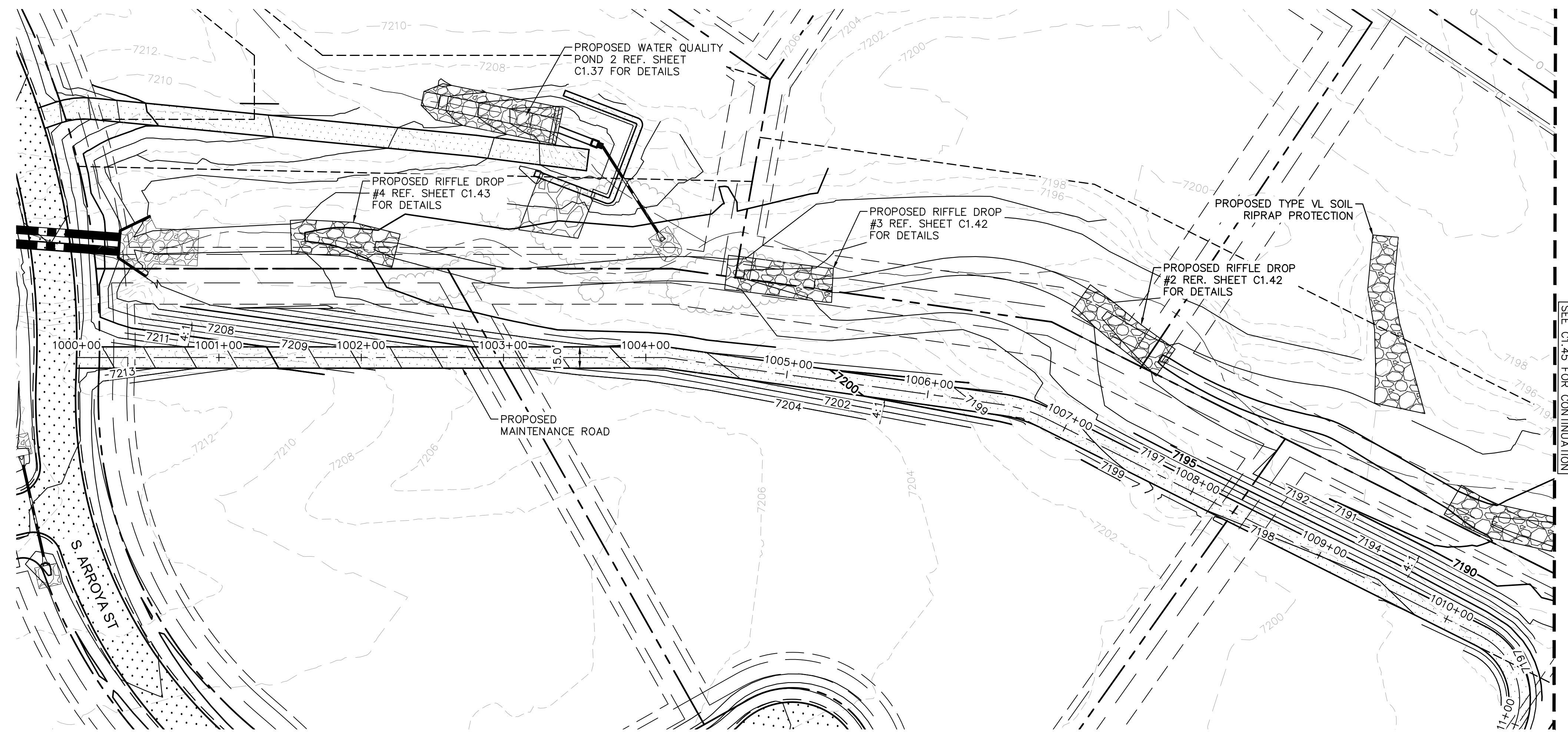
PROJECT NO.  
 196288000  
 SHEET



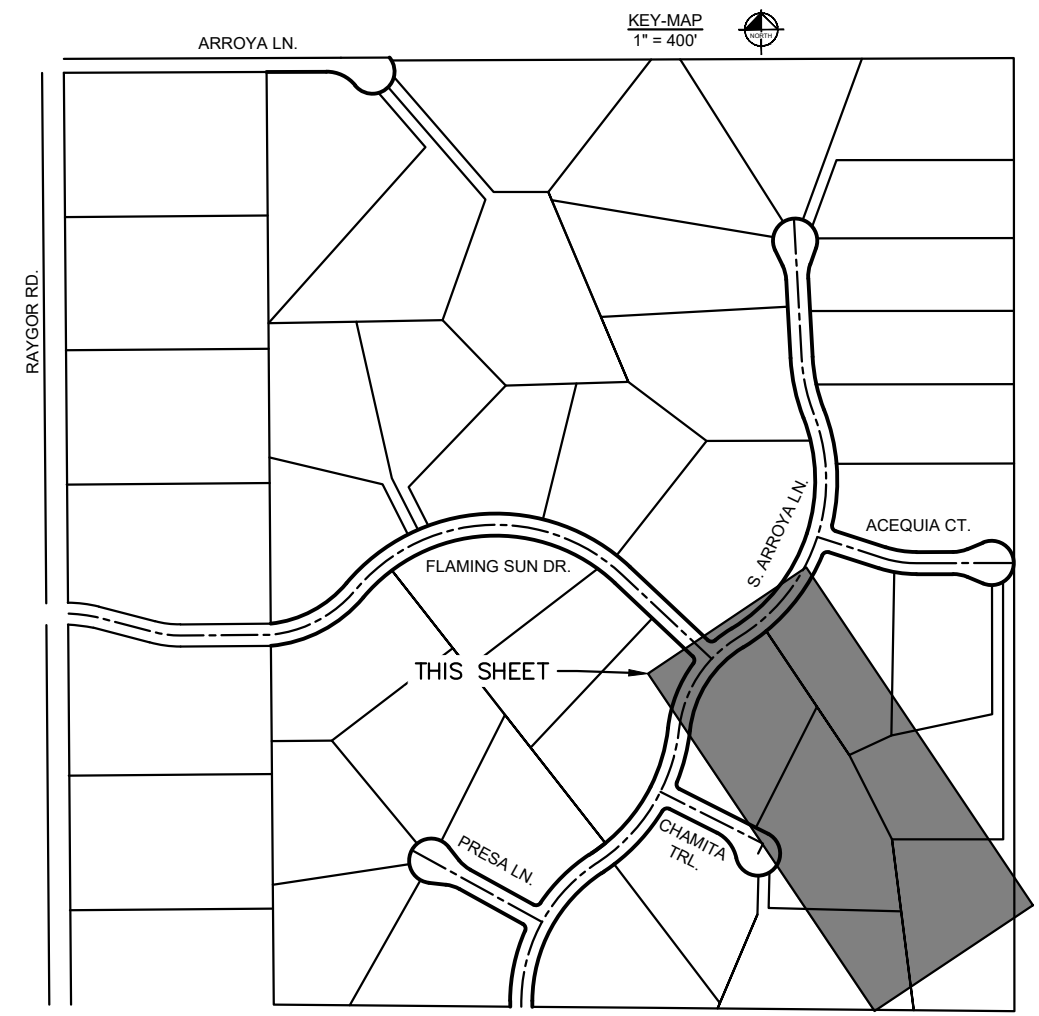
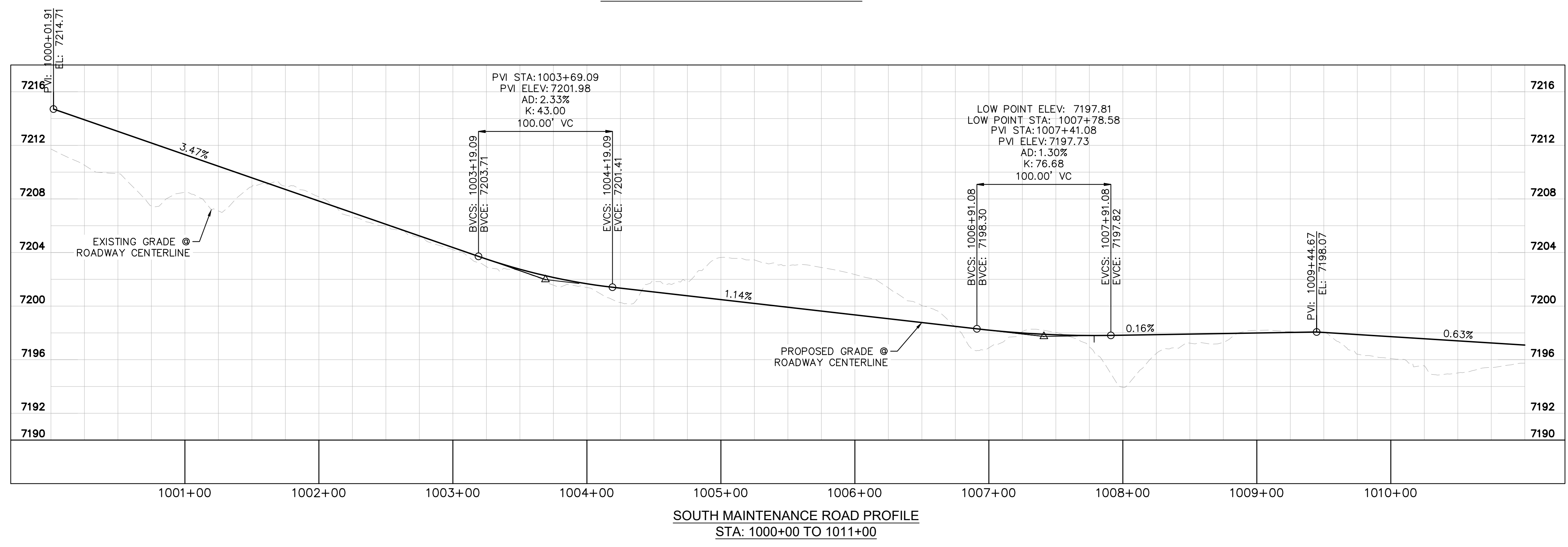




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- LEGEND**
- PROPERTY/LOT LINE
  - ROW LINE
  - UTILITY EASEMENT LINE
  - LOT #
  - PROPOSED DRAINAGE EASEMENT
  - X X
  - CROSS SECTION (SEE SHEET C1.1)
  - PROPOSED CULVERT
  - EXISTING CULVERT
  - - - 7XXX - - - EXISTING MAJOR CONTOUR
  - - - 7XXX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



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: 04/18/2023

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

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

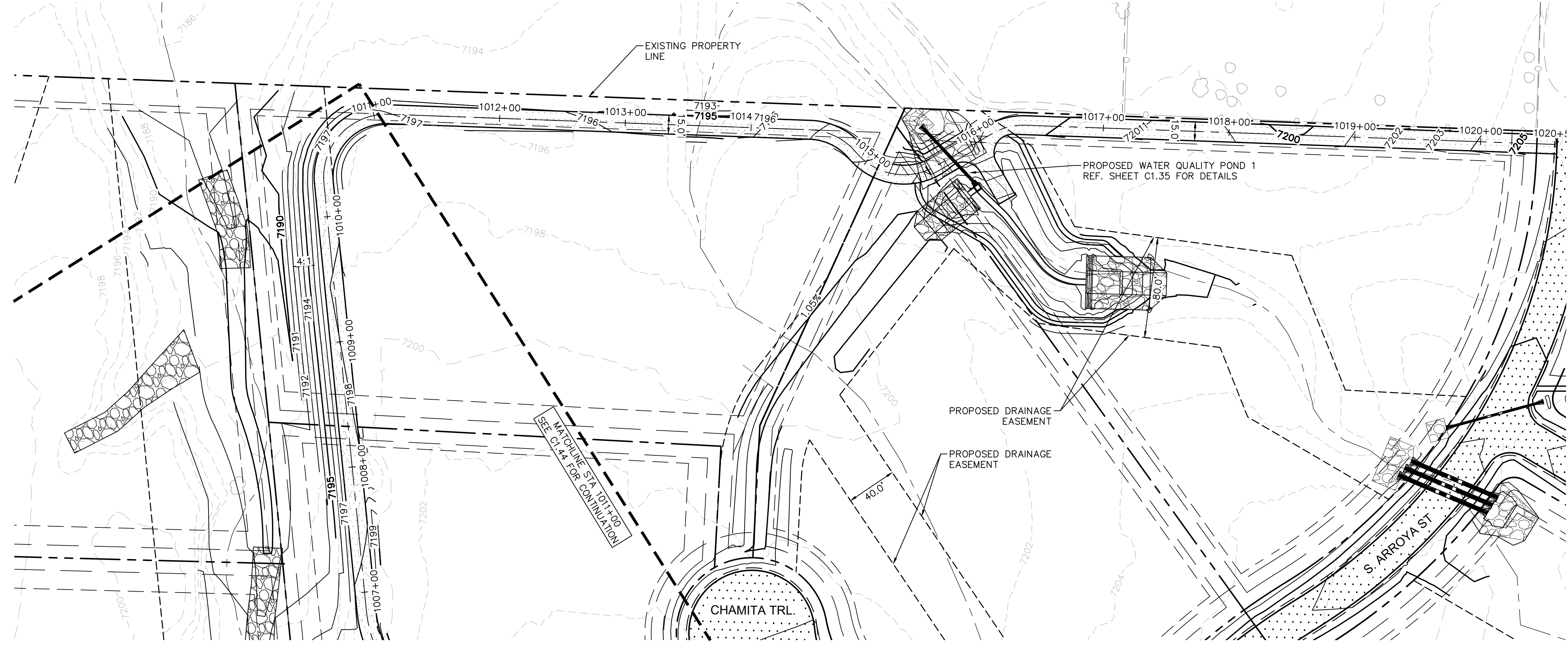
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196106001

SHEET

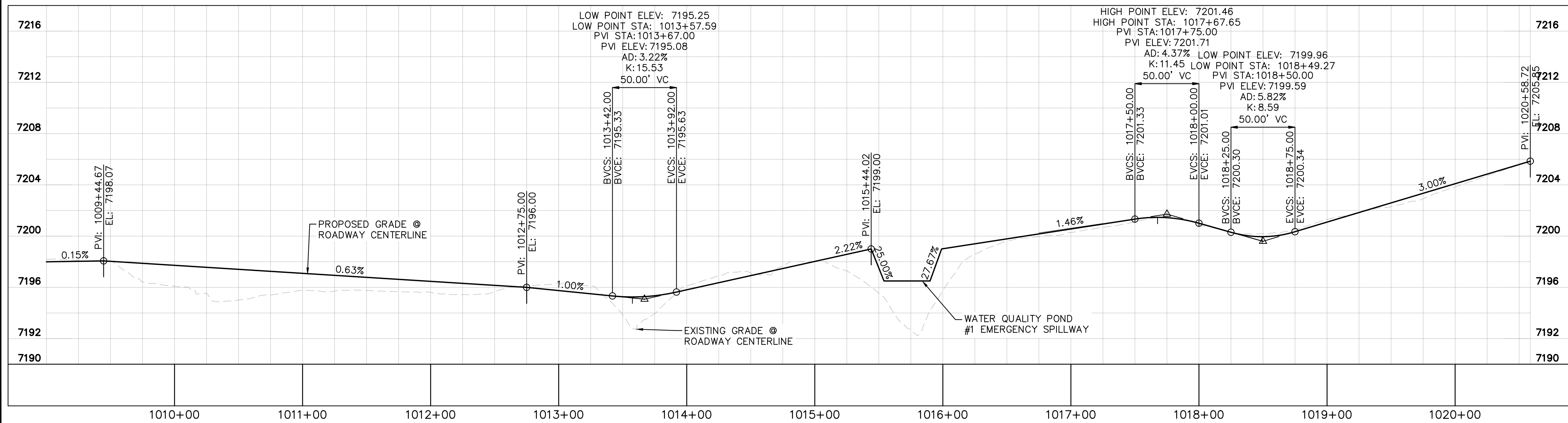
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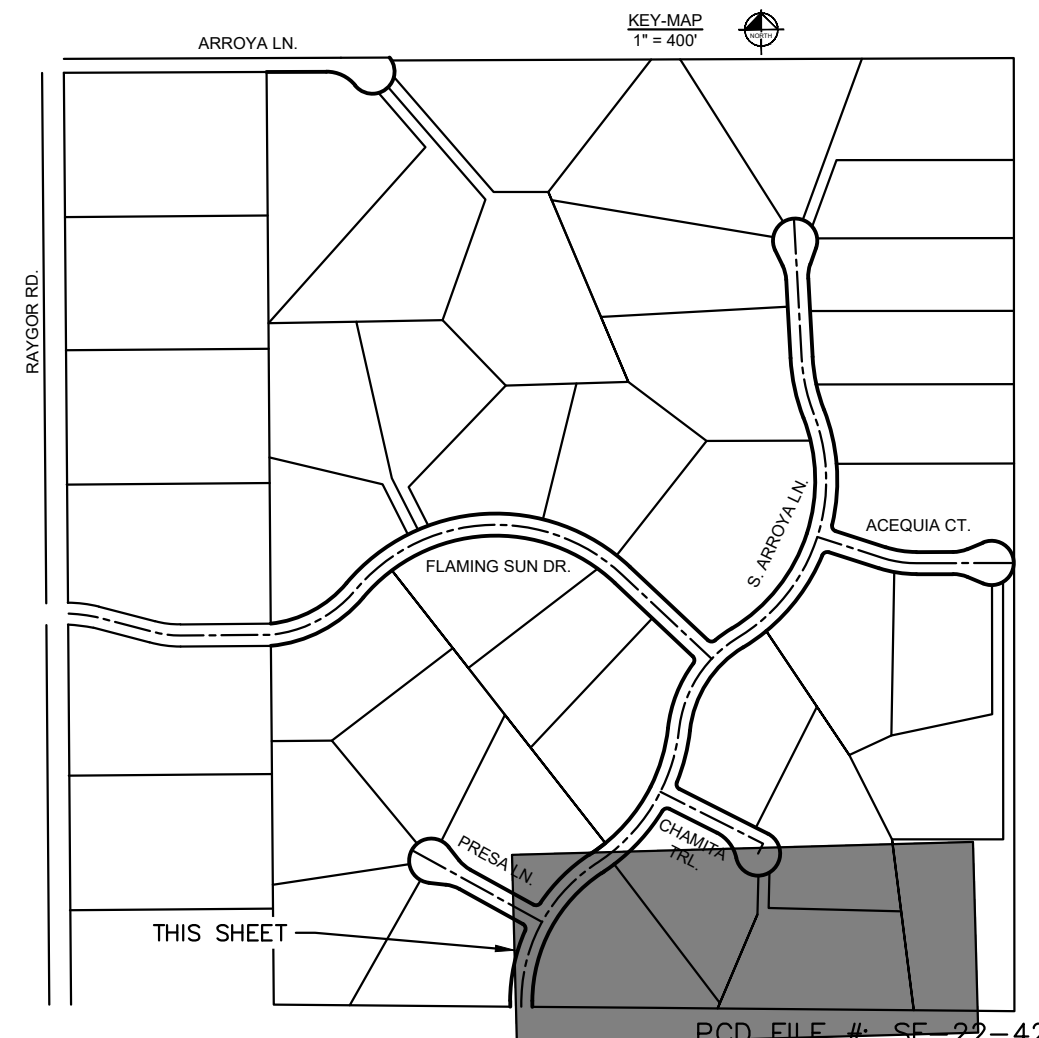
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SOUTH MAINTENANCE ROAD PLAN VIEW



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



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: 04/18/2023

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

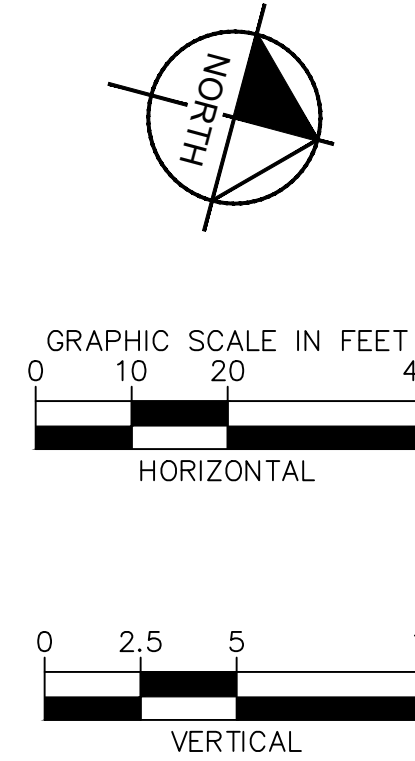
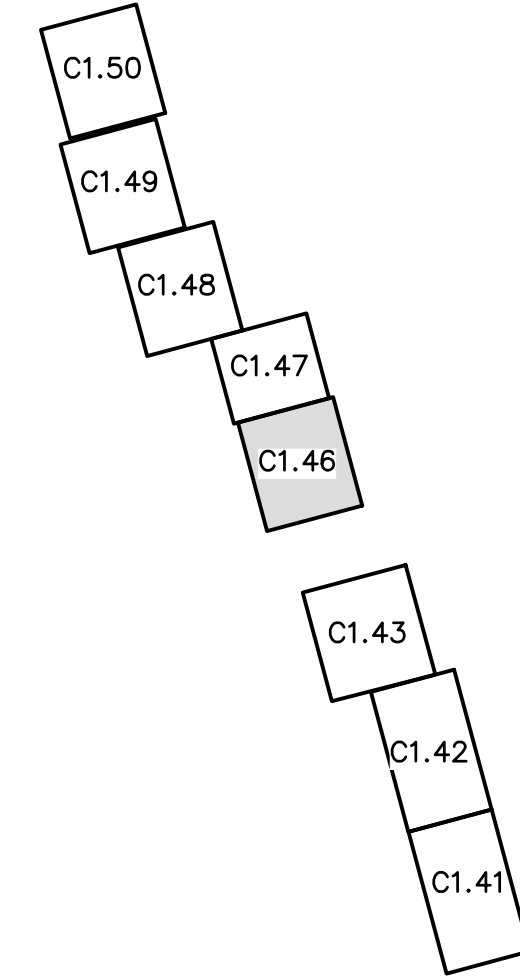
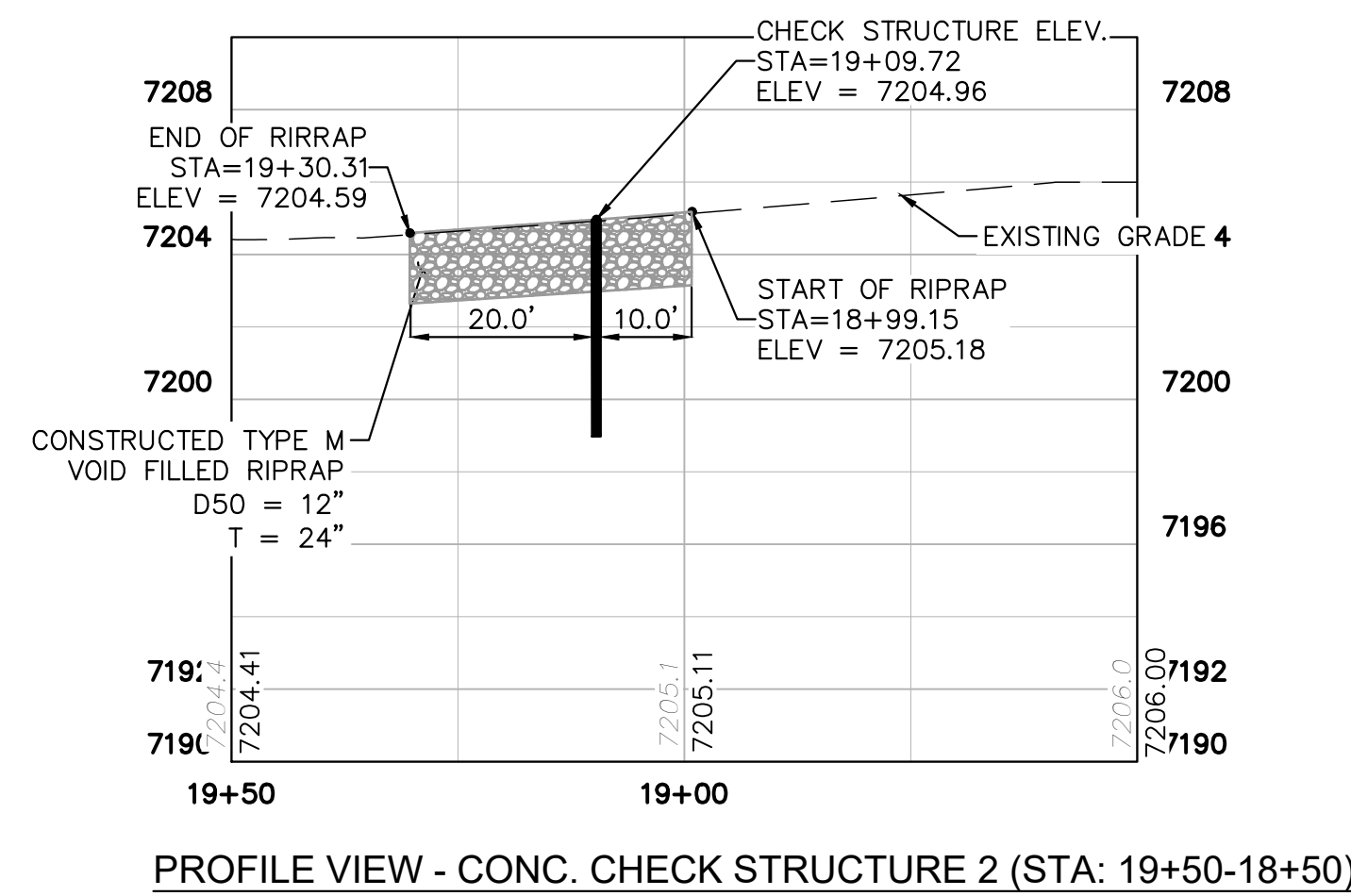
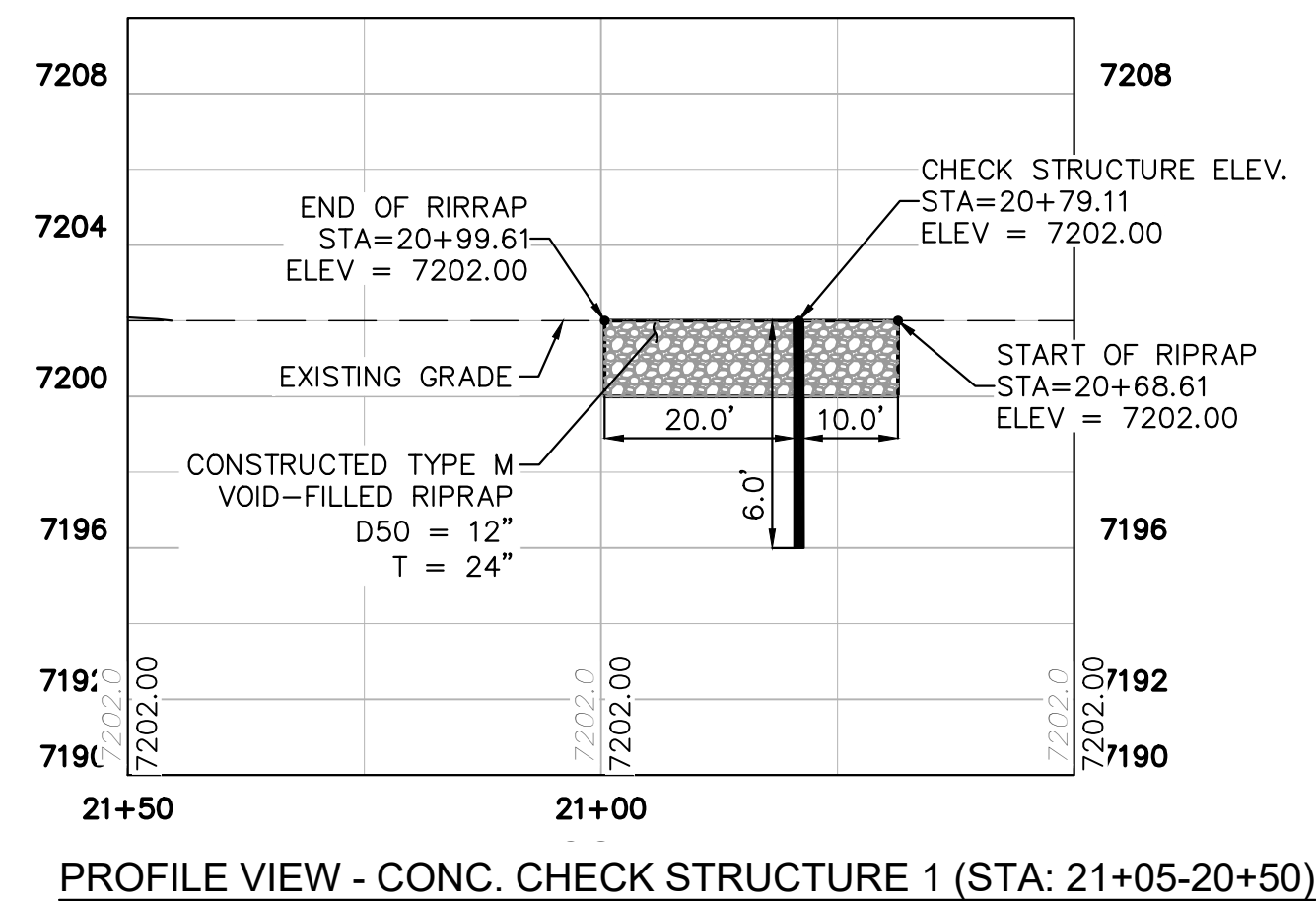
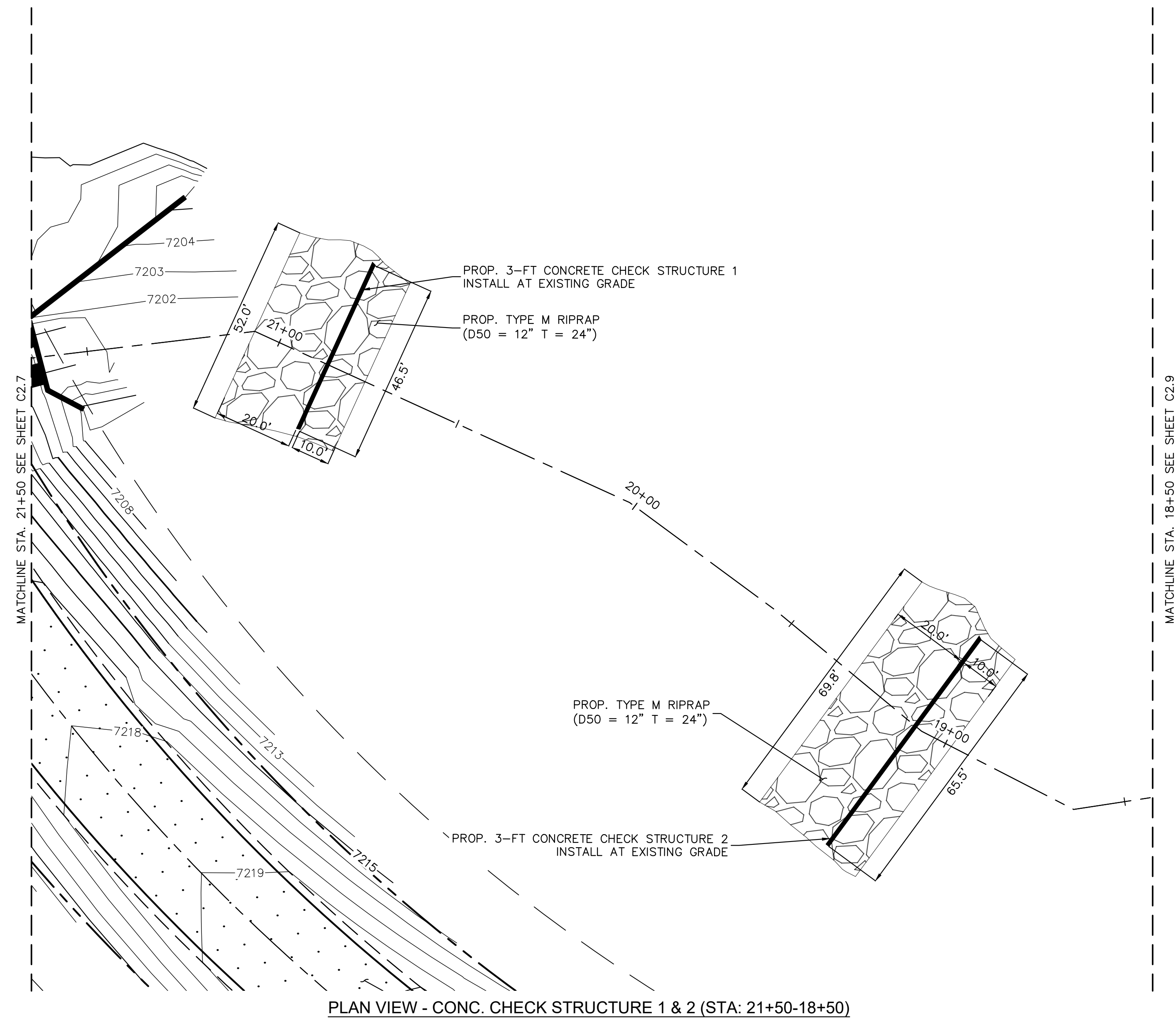
PRELIMINARY  
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NOT FOR CONSTRUCTION  
**Kimley»Horn**  
Kimley-Horn and Associates, Inc.

PROJECT NO.  
196106001  
SHEET

**C1.45**

PCD FILE # 5F-22-42

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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.

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

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

PROJECT NO.  
196106001  
SHEET

**C1.46**





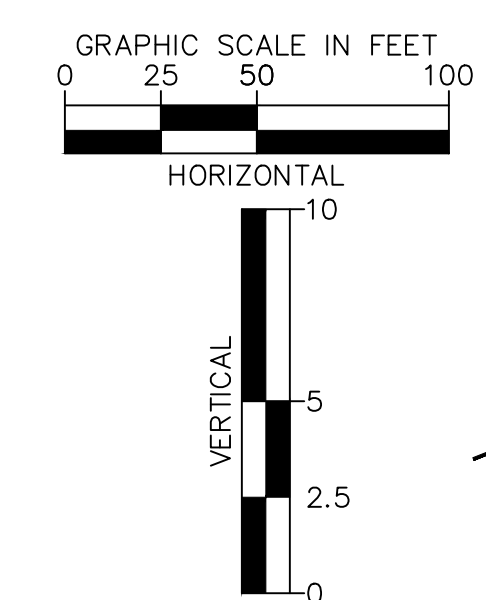
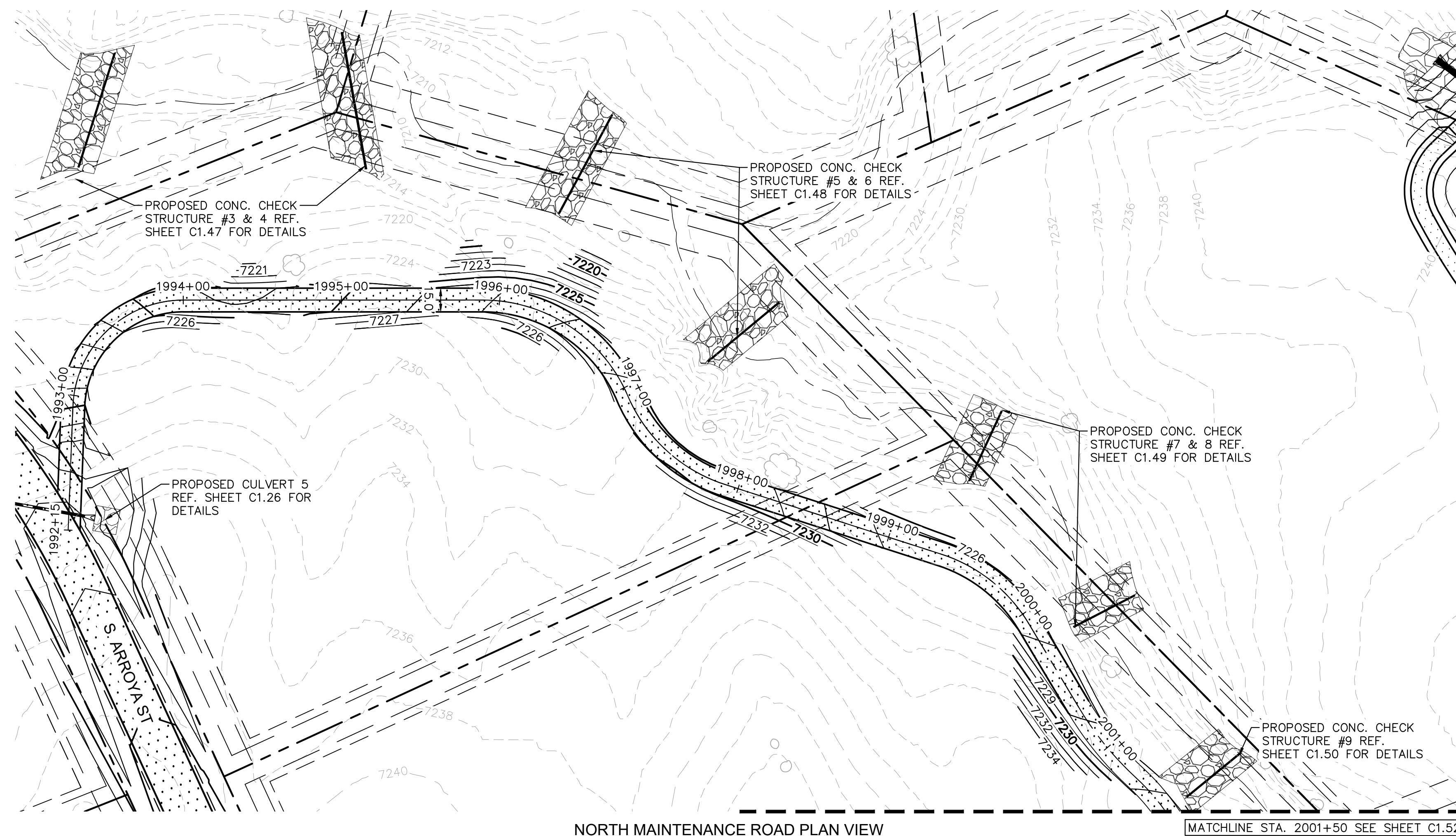




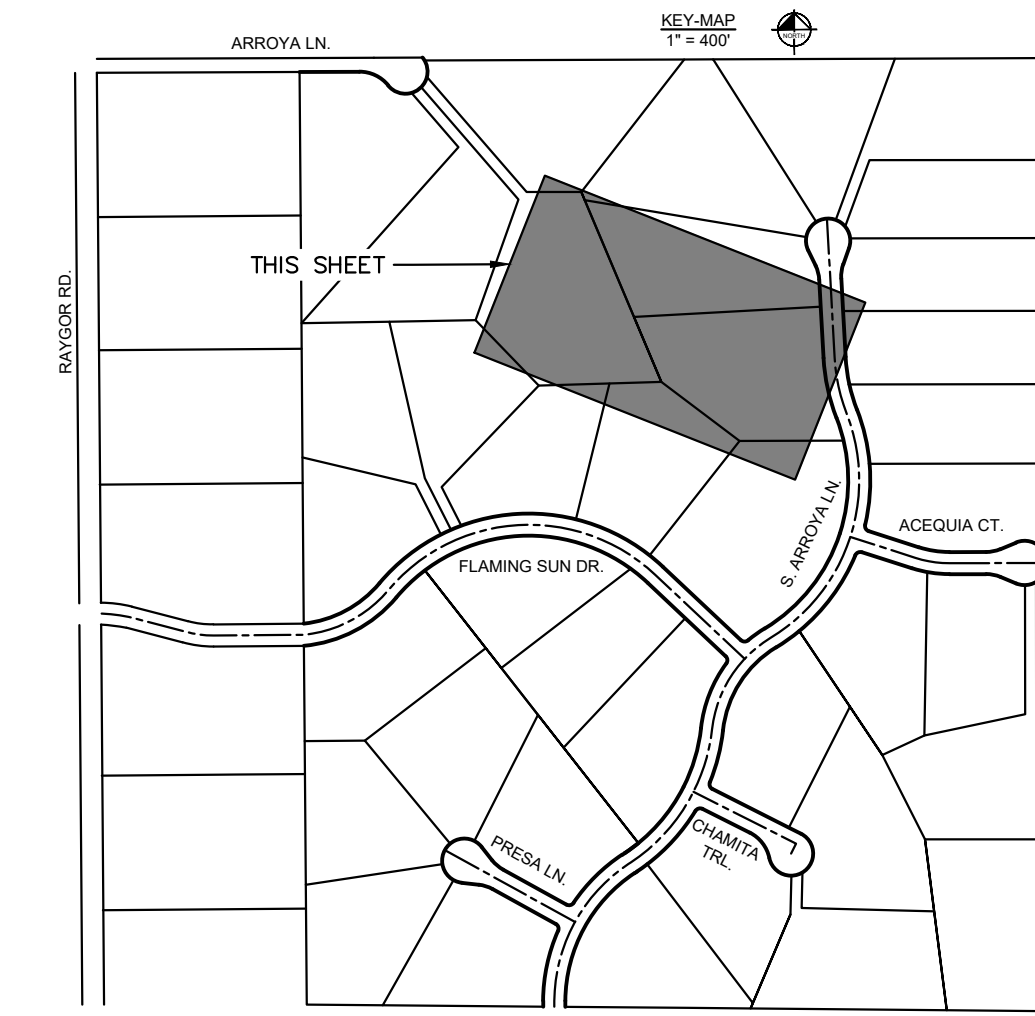
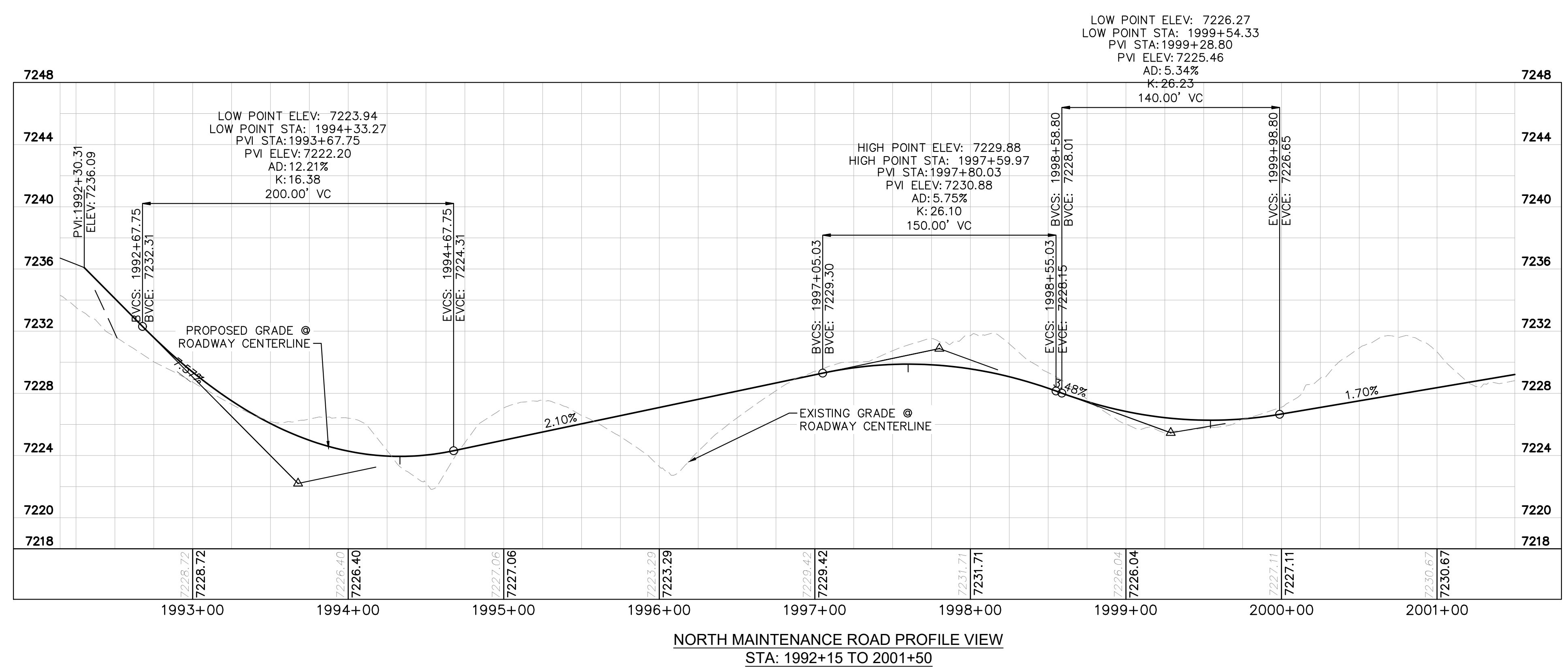




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- LEGEND**
- PROPERTY/LOT LINE
  - ROW LINE
  - UTILITY EASEMENT LINE
  - LOT #
  - PROPOSED DRAINAGE EASEMENT
  - ▲ ▲ CROSS SECTION (SEE SHEET C1.1)
  - PROPOSED CULVERT
  - EXISTING CULVERT
  - 7XXX- EXISTING MAJOR CONTOUR
  - 7XXX- EXISTING MINOR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



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: 04/18/2023

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

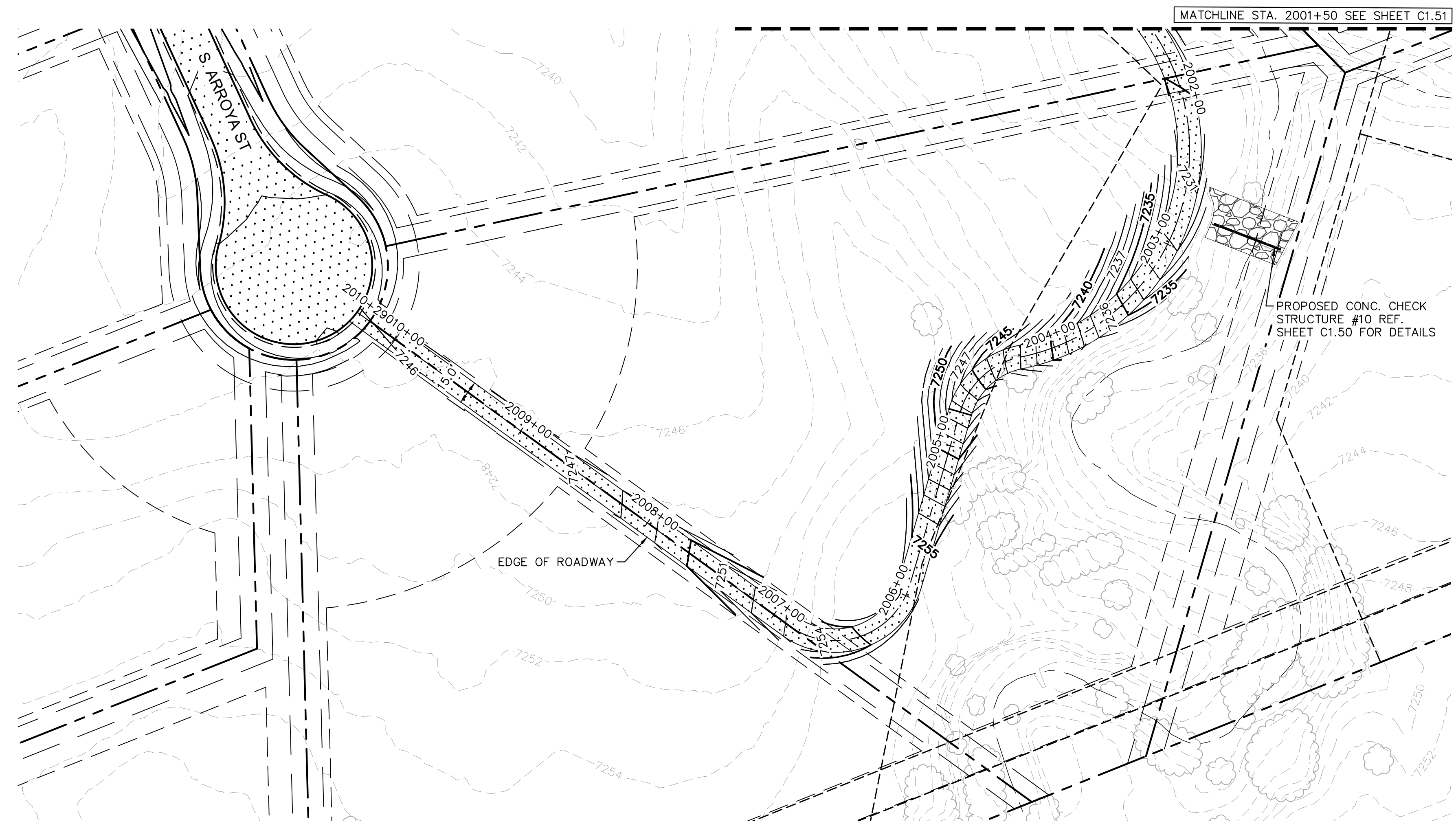
**PRELIMINARY**  
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 CONSTRUCTION  
**Kimley»Horn**  
 Kimley-Horn and Associates, Inc.

PROJECT NO.  
 196106001  
 SHEET

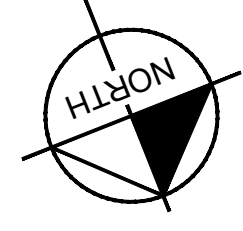
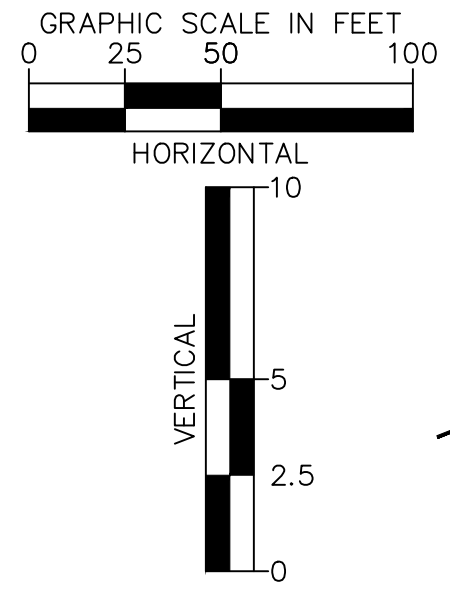
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PCD FILE #: SF-22-42

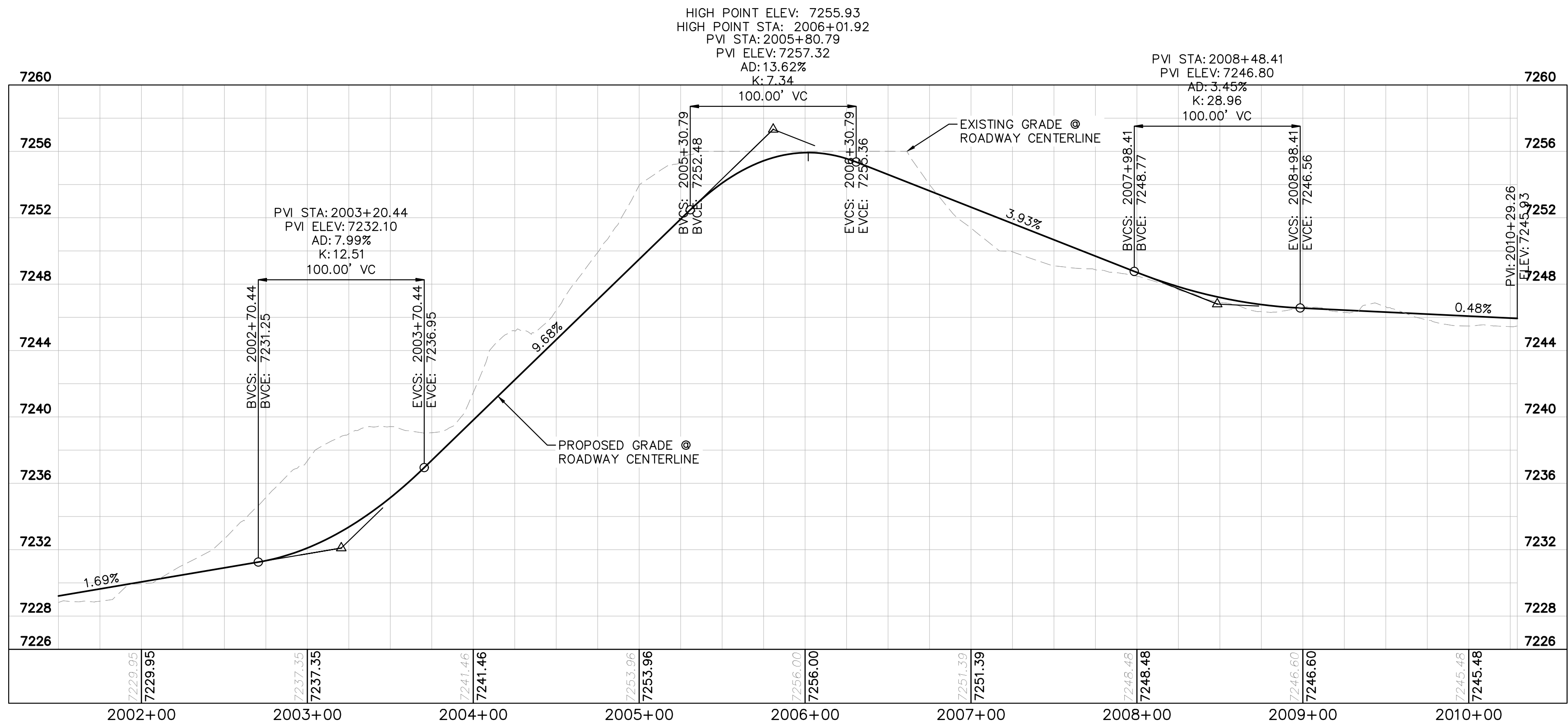
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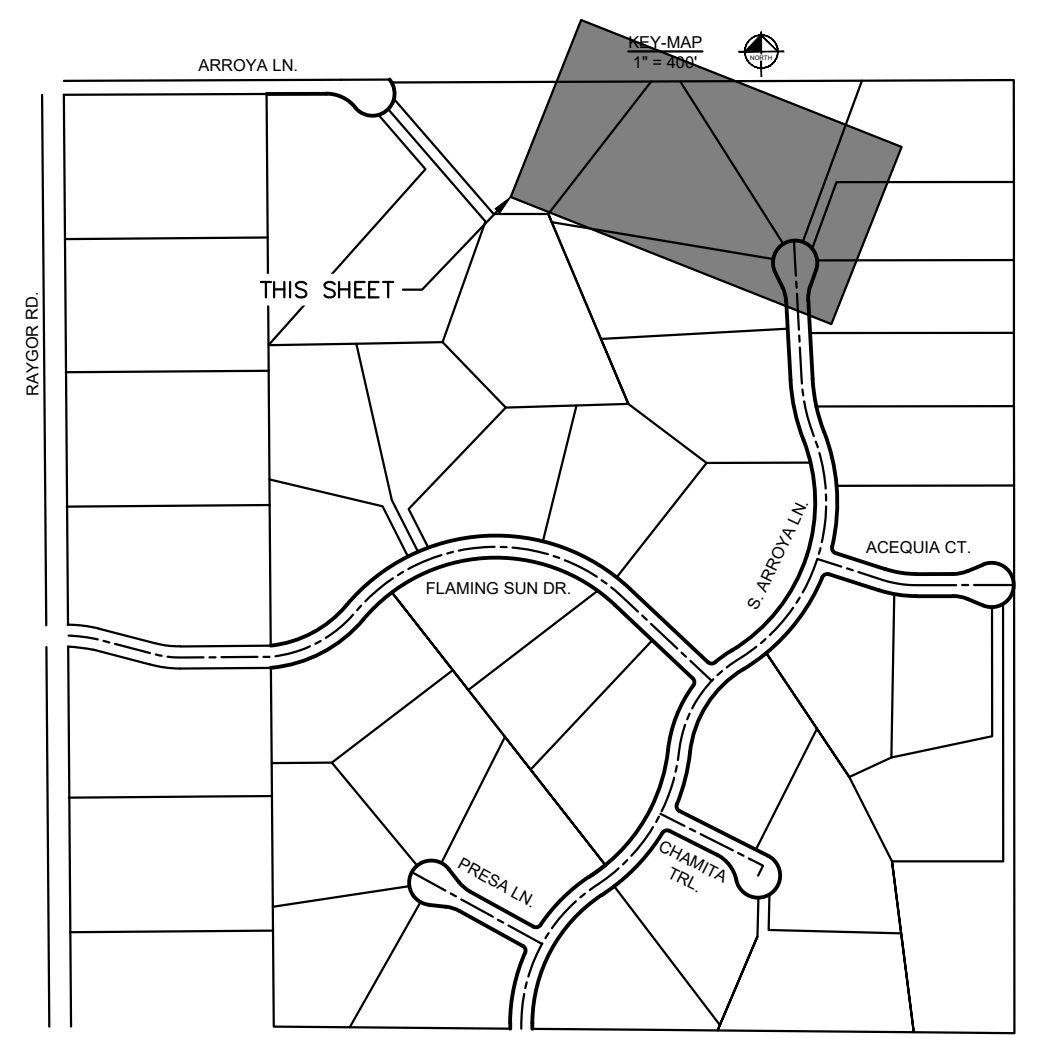
NORTH MAINTENANCE ROAD PLAN VIEW



- 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



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



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: 04/18/2023

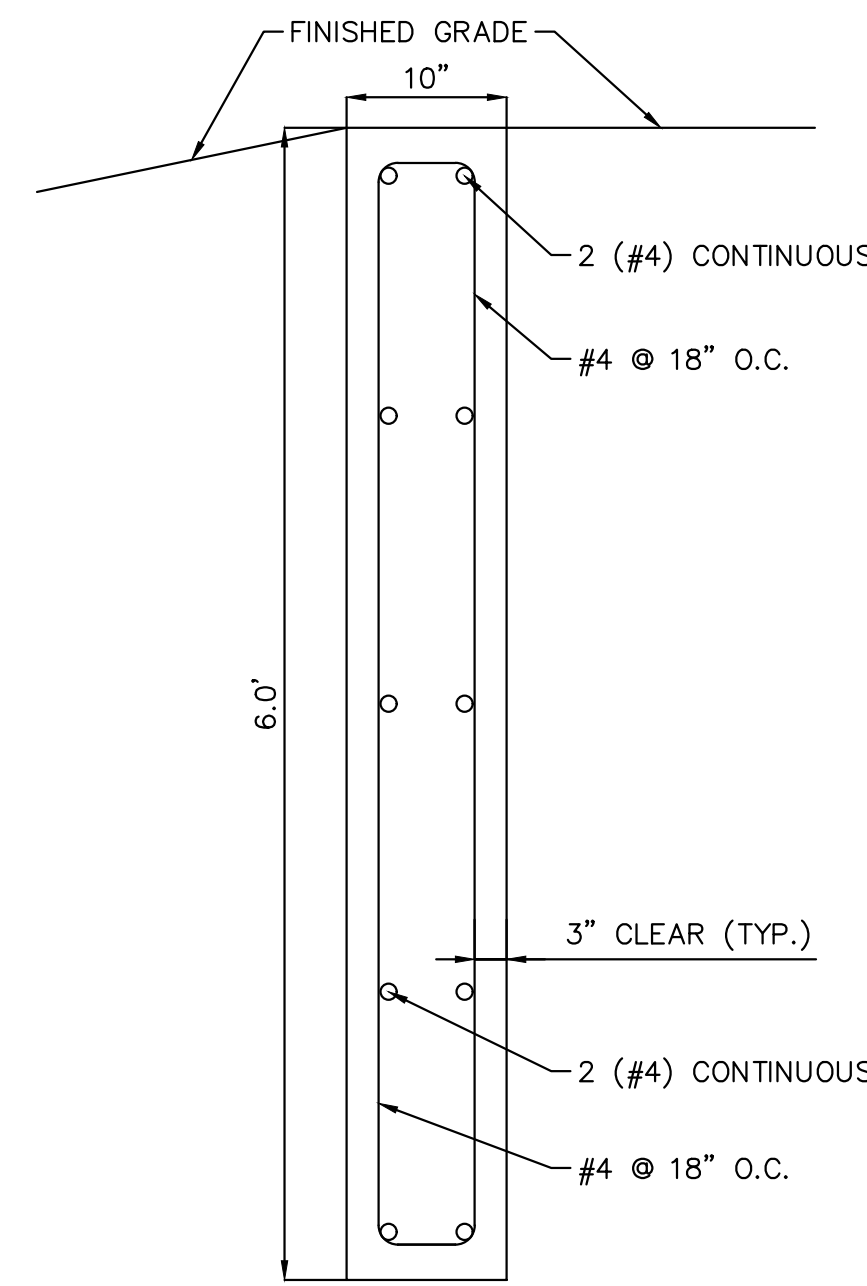
EAGLEVIEW  
 EL PASO COUNTY, COLORADO  
 CONSTRUCTION DOCUMENTS  
**N. MAINTENANCE ROAD PLAN & PROFILE**

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

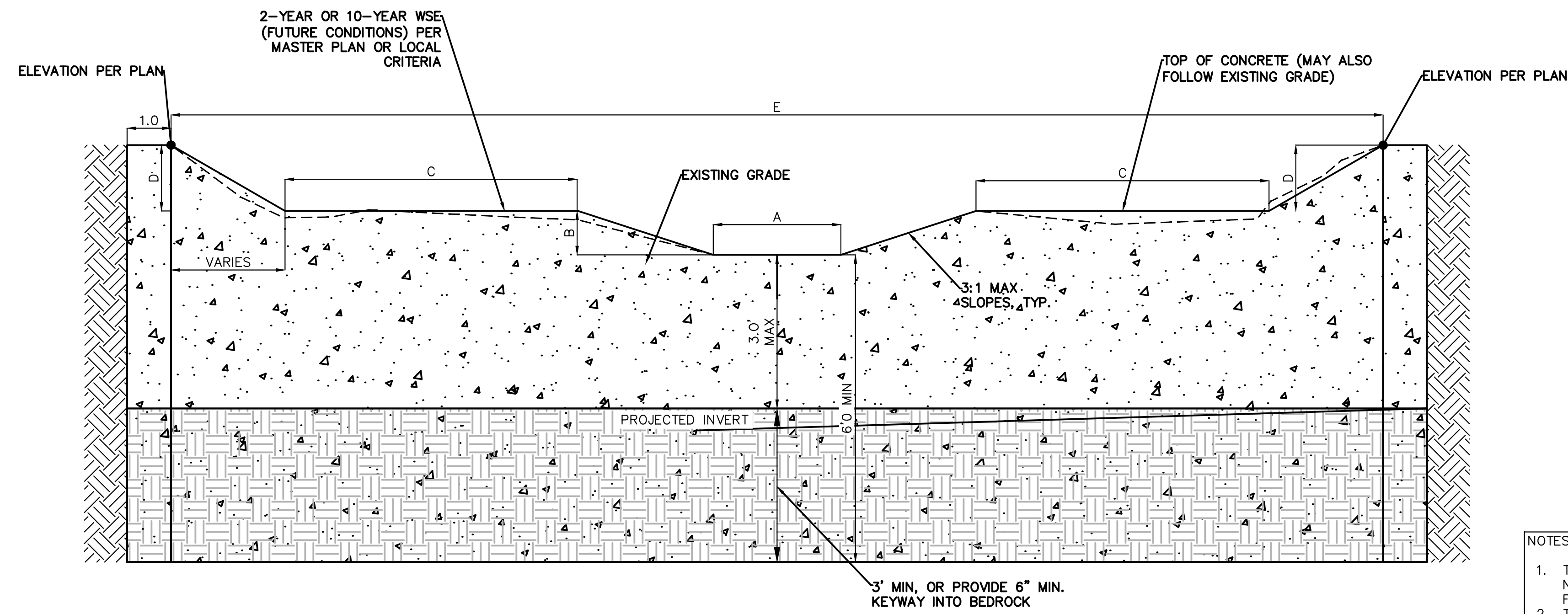
PROJECT NO.  
 196106001  
 SHEET

**C1.52**

PCD FILE #: SF-22-42

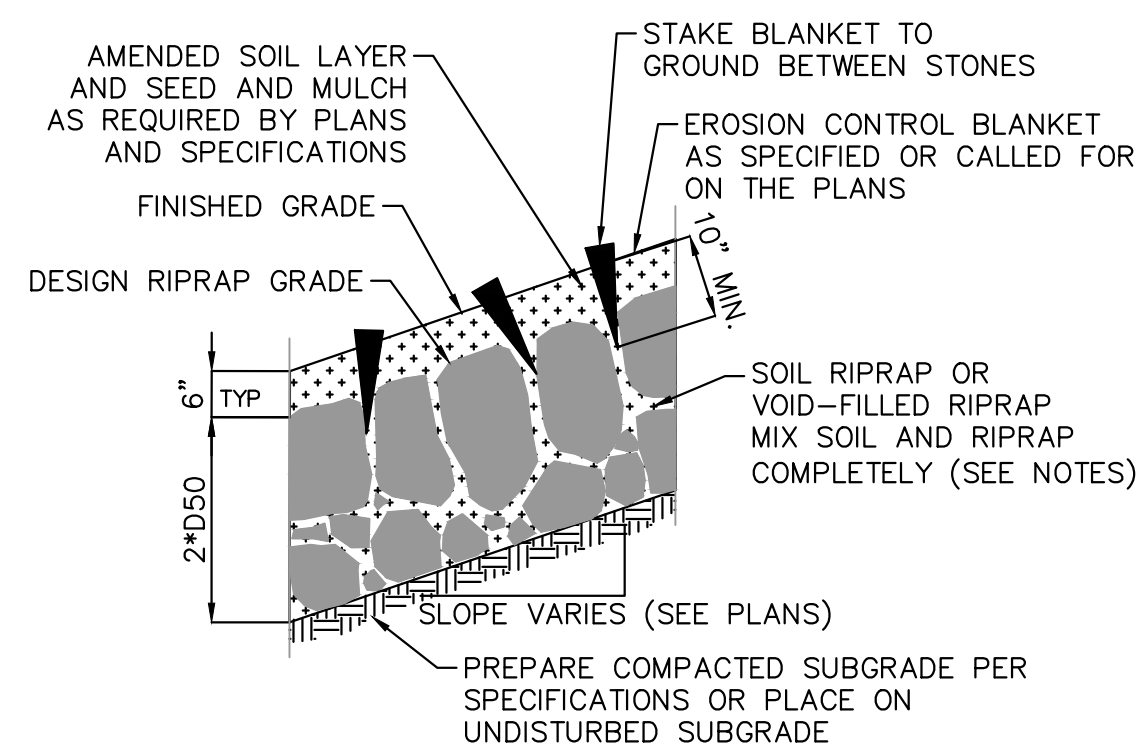


SECTION CREST WALL DETAIL  
SCALE: 1" = 1'

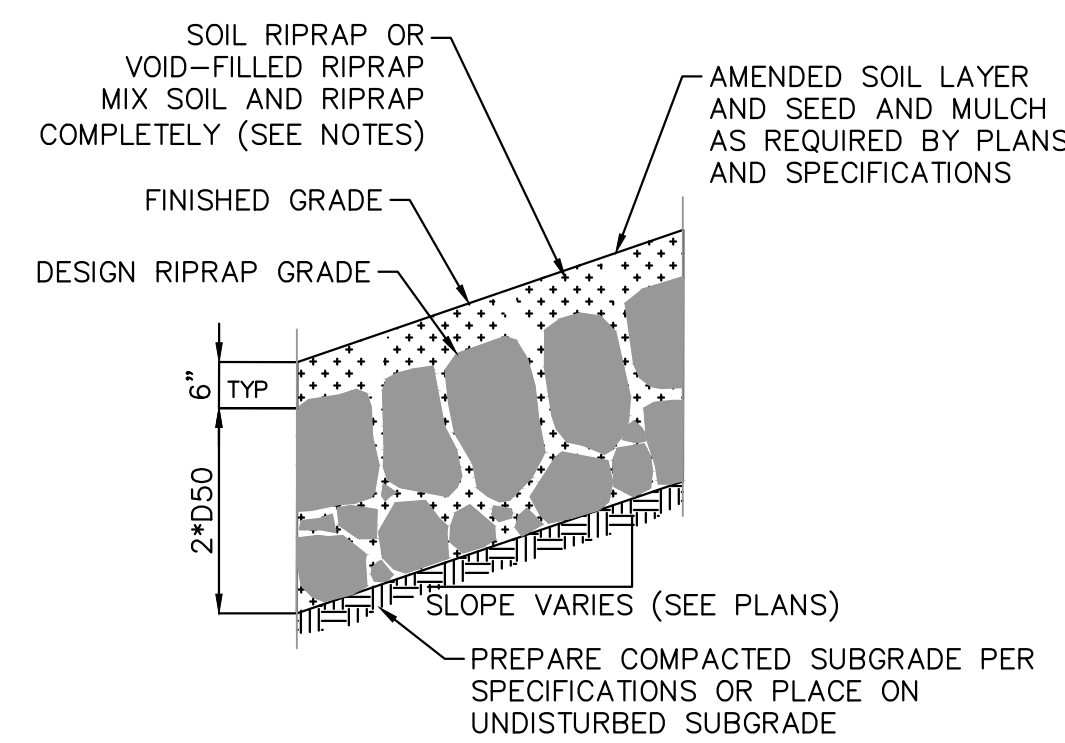


CONCRETE CHECK STRUCTURE SECTION DETAIL  
N.T.S.

- 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

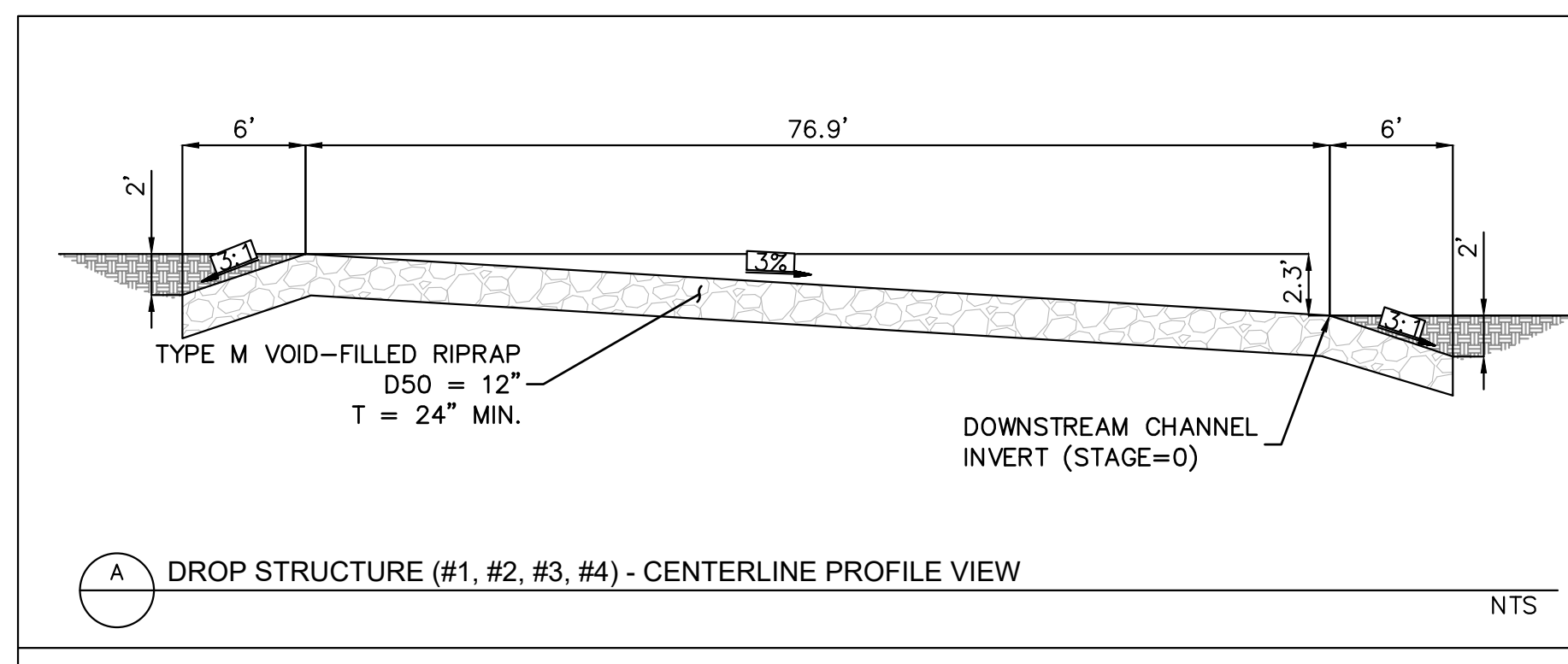


MULCH SECTION

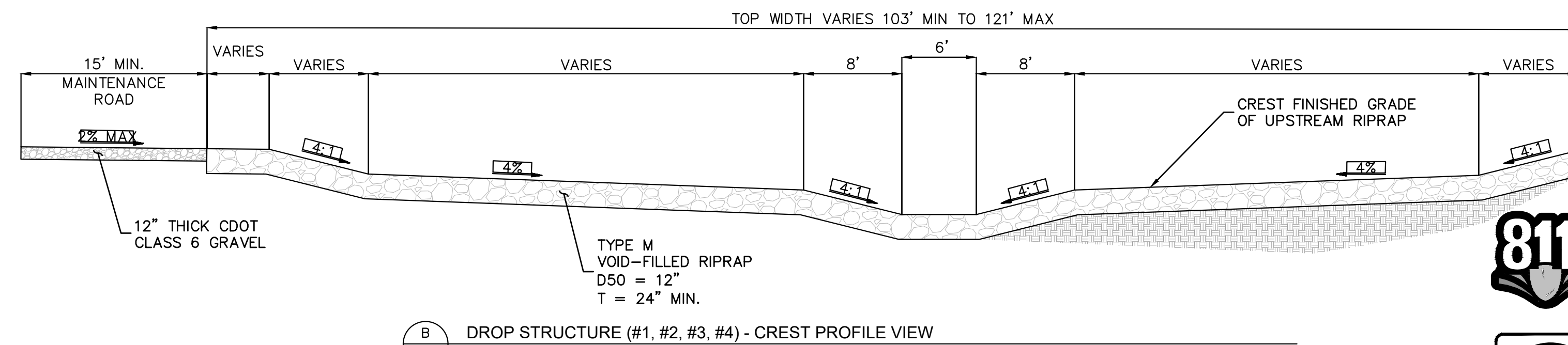
- NOTES:
- SOIL RIPRAP DETAILS ARE APPLICABLE TO SLOPED AREAS. REFER TO THE SITE PLAN ACTUAL LOCATION AND LIMITS.
  - MIX UNIFORMLY 65% RIPRAP BY VOLUME WITH 35% OF APPROVED SOIL BY VOLUME PRIOR TO PLACEMENT.
  - PLACE STONE-SOIL MIX TO RESULT IN SECURELY INTERLOCKED ROCK AT THE DESIGN THICKNESS AND 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.

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



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.



NO.	REVISION	BY	DATE	APPR.

**Kimley»Horn**  
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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

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

PROJECT NO.  
196106001

SHEET  
C1.53

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