

EAGLEVIEW SUBDIVISION CONSTRUCTION DOCUMENTS

A PORTION OF THE NORTHWEST ONE-QUARTER (N.W.1/4) OF SECTION 26
TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH P.M.
COUNTY OF EL PASO, STATE OF COLORADO

STANDARD NOTES

- ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
- CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:
 - EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
 - CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
 - COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 - CDOT M & S STANDARDS
- NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (PCD) – INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
- CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
- ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
- CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
- SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA. [IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.]
- CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
- THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

FLOODPLAIN NOTE

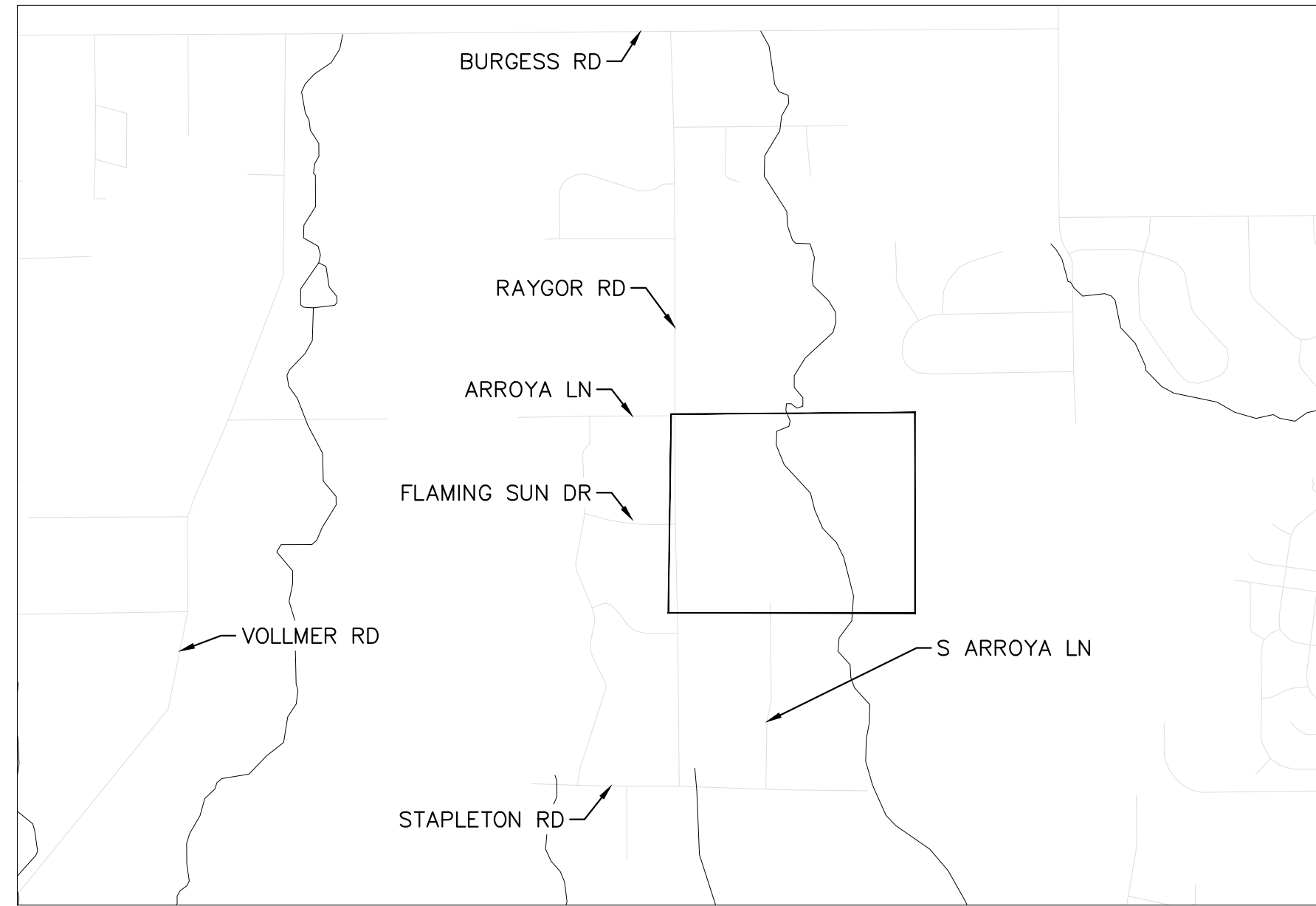
ACCORDING TO NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP NUMBER 08041C0535G (MAP REVISED DECEMBER 7, 2018), THE SUBJECT PROPERTY IS LOCATED IN OTHER AREAS, ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

BENCHMARK

CONTROL POINTS AS SHOWN HEREON. ELEVATIONS ARE BASED ON CITY OF COLORADO SPRINGS FIMS 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.



VICINITY MAP
1" = 2000'

LEGAL DESCRIPTION

A PORTION OF THE NORTHWEST QUARTER OF SECTION 26, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6th P.M., EL PASO COUNTY, COLORADO, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF SAID NORTHWEST QUARTER OF SECTION 26, AS ACCEPTED AND USED IN THE PLATS OF M/FY FARM SUBDIVISION AND PAINT BRUSH HILLS FILING NO. 3, RECORDED IN PLAT BOOK T-3 AT PAGE 93 AND IN PLAT BOOK U-3 AT PAGE 79, RESPECTIVELY, OF THE RECORDS OF SAID EL PASO COUNTY; THENCE S00°02'11"E, ALONG THE EAST LINE OF SAID NORTHWEST QUARTER OF SECTION 26, A DISTANCE OF 2587.22 FEET TO THE CENTER QUARTER CORNER OF SAID SECTION 26 (BASIS OF BEARINGS – ASSUMED); THENCE N89°28'49"W, A DISTANCE OF 978.75 FEET TO THE NORTHEAST CORNER OF LOT 30 OF STAPLETON ESTATES FILING NO. 1, AS RECORDED IN PLAT BOOK R-3 AT PAGE 76 OF THE RECORDS OF SAID EL PASO COUNTY; THENCE N89°31'16"W, ALONG THE BOUNDARY LINE OF SAID STAPLETON ESTATES FILING NO. 1, A DISTANCE OF 1063.31 FEET TO THE NORTHWEST CORNER OF LOT 8 OF SAID STAPLETON ESTATES FILING NO. 1; THENCE N00°26'14"W ALONG THE EAST LINE OF SAID STAPLETON ESTATES FILING NO. 1, A DISTANCE OF 2561.60 FEET TO A POINT ON THE NORTH LINE OF SAID NORTHWEST QUARTER OF SECTION 26; THENCE N89°46'46"E, ALONG SAID NORTH LINE AND ALONG THE SOUTHERLY BOUNDARY LINE OF SAID M/FY FARM SUBDIVISION AND THE SOUTHERLY LINE OF RODGWICK SUBDIVISION, RECORDED AT RECEPTION NO. 207712566 OF THE RECORDS OF SAID EL PASO COUNTY, A DISTANCE OF 2059.89 FEET TO THE POINT OF BEGINNING.

SAID TRACT CONTAINS 121.20 ACRES OF LAND, MORE OR LESS.

CONTACTS:

DEVELOPER:
PT EAGLEVIEW, LLC
1864 WOODMOOR DRIVE, SUITE 100
MONUMENT, CO 80132
TEL: (719) 476-0800
CONTACT: JOSEPH DESJARDIN

PLANNER/LANDSCAPE ARCHITECT:
NES, INC
619 N CASCADE AVENUE, SUITE 200
COLORADO SPRINGS, CO 80903
TEL: (719) 471-0073
EMAIL: A.BARLOW@NESCOLORADO.COM
CONTACT: ANDREA BARLOW

ENGINEER:
KIMLEY-HORN AND ASSOCIATES, INC.
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COLORADO SPRINGS, CO 80903
TEL: (719) 522-9194
EMAIL: KEVIN.KOFFORD@KIMLEY-HORN.COM
CONTACT: KEVIN KOFFORD

SURVEY:
RAMPART SURVEYS, LLC.
1050 TAMARAC PKWY
WOODLAND PARK, CO 80663
TEL: (719) 687-0920
CONTACT: RUSS WOOD

EL PASO COUNTY PLANNING DEPARTMENT
2880 INTERNATIONAL CIRCLE, SUITE 110
COLORADO SPRINGS, CO 80910

PLANNING REVIEWER:
RYAN HOWSER
TEL: (719) 520-6049
EMAIL: RYANHOWSER@ELPASOCO.COM

ENGINEERING REVIEWER:
ED SCHOENHEIT
(719) 520-6813
EMAIL: EDWARDSCHOENHEIT@ELPASOCO.COM
DANIEL TORRES
EMAIL: DANIELTORRES@ELPASOCO.COM

COUNTY ENGINEER:
JOSHUA PALMER
TEL: (719) 520-6806
EMAIL: JOSHUAPALMER@ELPASOCO.COM

EPC PCD INSPECTIONS SUPERVISOR:
BRAD WALTERS
TEL: (719) 520-6819
EMAIL: BRADWALTERS@ELPASOCO.COM

FALCON FIRE DEPARTMENT:
AREA: FAL D2
FIRE CHIEF T. HARWIG
7030 OLD MERIDIAN ROAD
PAYTON, CO 80831
TEL: (719) 495-4250
EMAIL: FALCONFIRE@FALCONFIREPRD.ORG

COLORADO DEPARTMENT OF PUBLIC HEALTH
AND ENVIRONMENT:
WATER QUALITY CONTROL DIVISION
4300 CHERRY CREEK DRIVE SOUTH
DENVER, CO 80246
TEL: (303) 692-3500

SHEET INDEX	
SHEET TITLE	SHEET NO.
COVER SHEET	C1.0
TYPICAL SECTIONS	C1.1 – C1.2
OVERALL SITE PLAN	C1.3
HORIZONTAL CONTROL PLAN	C1.4 – C1.5
GRADING PLAN	C1.6 – C1.7
FLAMING SUN DR. PLAN & PROFILE	C1.8 – C1.10
S. ARROYA LN. PLAN & PROFILE	C1.11 – C1.13
PRESA LN. & CHAMITA TRL. PLAN & PROFILE	C1.14 – C1.15
ARROYA LN. PLAN & PROFILE	C1.16
BURGESS REMOVE & RESET PLAN	C1.17
BURGESS PLAN & PROFILE	C1.18
ON-SITE STRIPING & SIGNAGE PLAN	C1.19
OFF-SITE STRIPING & SIGNAGE PLAN	C1.20
EMERGENCY ACCESS ROAD PLAN & PROFILE	C1.21 – C1.22
CULVERT PLAN AND PROFILE	C1.23 – C1.31
CULVERT END TREATMENT DETAILS	C1.32
WATER QUALITY POND #1	C1.35 – C1.36
WATER QUALITY POND #2	C1.37 – C1.38
POND 3 PLAN	C1.39 – C1.40
ROCK CHUTE DETAILS	C1.41
OVERALL DRAINAGE IMPROVEMENTS	C1.42
SOUTH CHANNEL PLAN & PROFILE	C1.43 – C1.45
S. MAINTENANCE ROAD PLAN & PROFILE	C1.46 – C1.47
CHECK STRUCTURE PLAN & PROFILE	C1.48 – C1.52
N. MAINTENANCE ROAD PLAN & PROFILE	C1.53 – C1.54
CHANNEL STRUCTURES DETAIL	C1.55

DEVELOPER'S/OWNER'S SIGNATURE BLOCK

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

OWNER SIGNATURE _____ DATE _____

ENGINEER'S SIGNATURE BLOCK

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

KEVIN KOFFORD, PE – KIMLEY-HORN AND ASSOCIATES, INC. _____ DATE _____

EL PASO COUNTY

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT. FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL, AS AMENDED.

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

COUNTY ENGINEER/ECM ADMINISTRATOR _____ DATE _____

PCD FILE #: SF-22-42

NO.	REVISION	BY	DATE

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
COVER SHEET

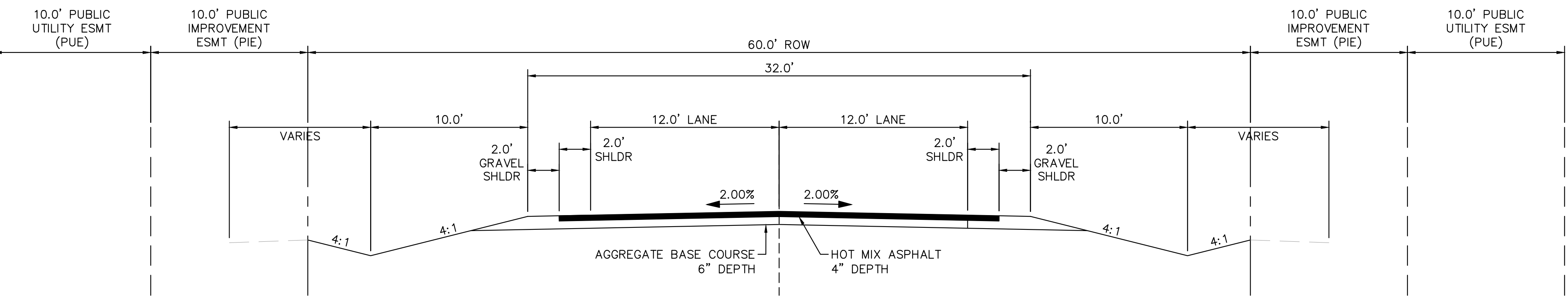
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FOR REVIEW ONLY
NOT FOR
CONSTRUCTION
Kimley-Horn
Kimley-Horn and Associates, Inc.

PROJECT NO.
196106001

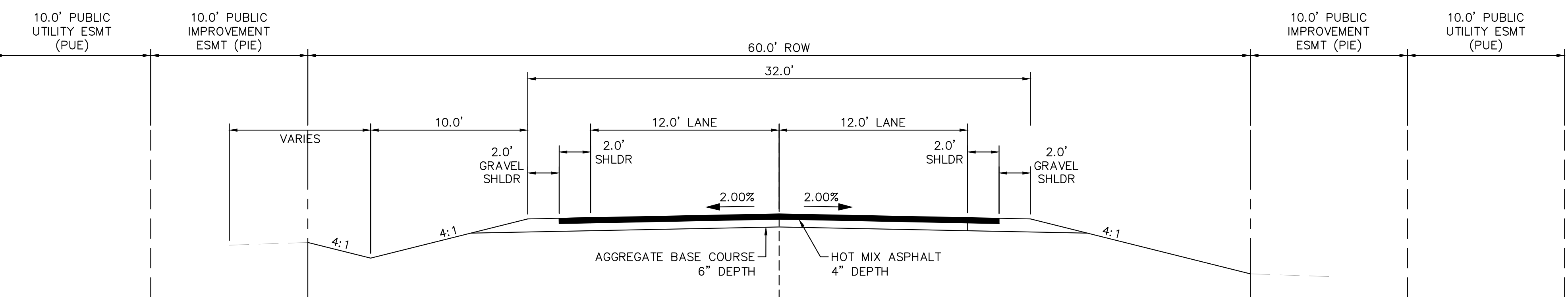
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C1.0

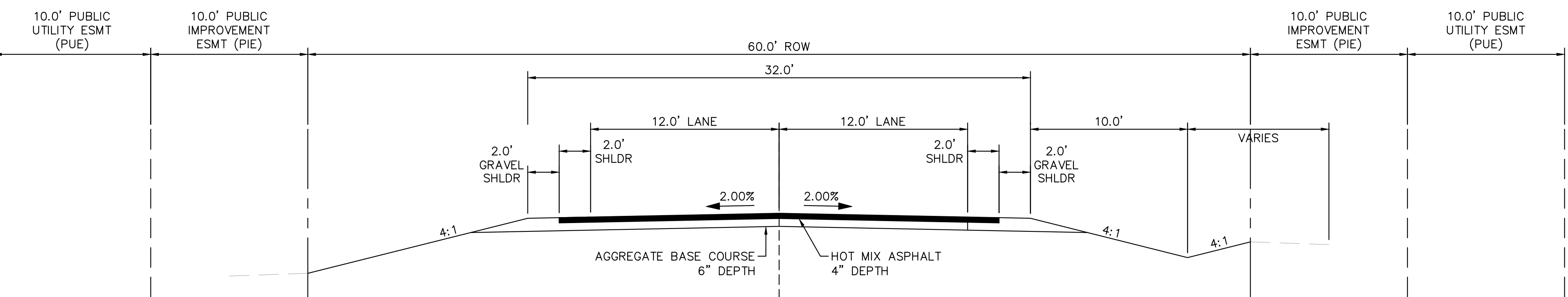
ON-SITE ROADWAY TYPICAL SECTIONS



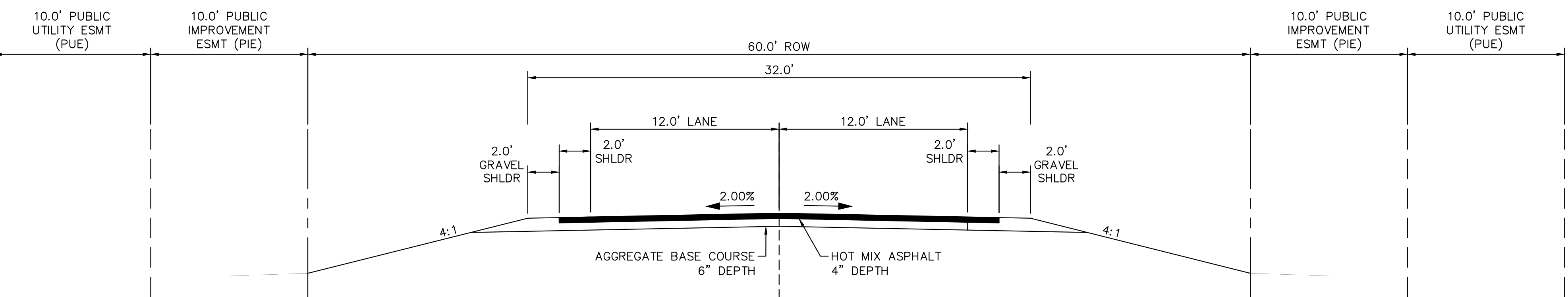
(A) RURAL LOCAL ROADWAY – ROADSIDE DITCH: LEFT AND RIGHT
SCALE: 1" = 5'



(B) RURAL LOCAL ROADWAY – ROADSIDE DITCH: LEFT
(C) SCALE: 1" = 5'



(C) RURAL LOCAL ROADWAY – ROADSIDE DITCH: RIGHT
SCALE: 1" = 5'



(D) RURAL LOCAL ROADWAY – NO ROADSIDE DITCH
SCALE: 1" = 5'

NOTE

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

TYPICAL SECTION (A)	
ROADWAY	STATION
S. ARROYA LANE	8+67.00 – 12+00.00
S. ARROYA LANE	15+95.00 – 16+50.00
S. ARROYA LANE	19+63.50 – 24+38.00
FLAMING SUN DRIVE	26+88.00 – 30+73.00
FLAMING SUN DRIVE	33+27.00 – 37+76.00
FLAMING SUN DRIVE	43+15.00 – 44+00.00
ACEQUIA COURT	70+33.00 – 70+80.00
ACEQUIA COURT	72+21.50 – 75+44.00
ARROYA LANE	80+36.00 – 81+50.00
ARROYA LANE	83+00.00 – 88+46.00

TYPICAL SECTION (B)	
ROADWAY	STATION
FLAMING SUN DRIVE	39+85.00 – 43+15.00
ACEQUIA COURT	70+80.00 – 71+61.50
CHAMITA TRAIL	60+60.00 – 63+78.50

TYPICAL SECTION (C)	
ROADWAY	STATION
S. ARROYA LANE	16+50.00 – 18+81.00
FLAMING SUN DRIVE	24+40.00 – 26+88.00
ACEQUIA COURT	71+61.50 – 72+22.00

TYPICAL SECTION (D)	
ROADWAY	STATION
S. ARROYA LANE	0+00.00 – 8+67.00
S. ARROYA LANE	12+00.00 – 15+00.00
S. ARROYA LANE	18+81.00 – 19+63.50
FLAMING SUN DRIVE	30+73.00 – 33+27.00
FLAMING SUN DRIVE	37+76.00 – 39+85.00
PRESA LANE	54+00.00 – 50+13.00
ARROYA LANE	81+50.00 – 83+00.00

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NO.	REVISION	BY	DATE

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

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PROJECT NO.
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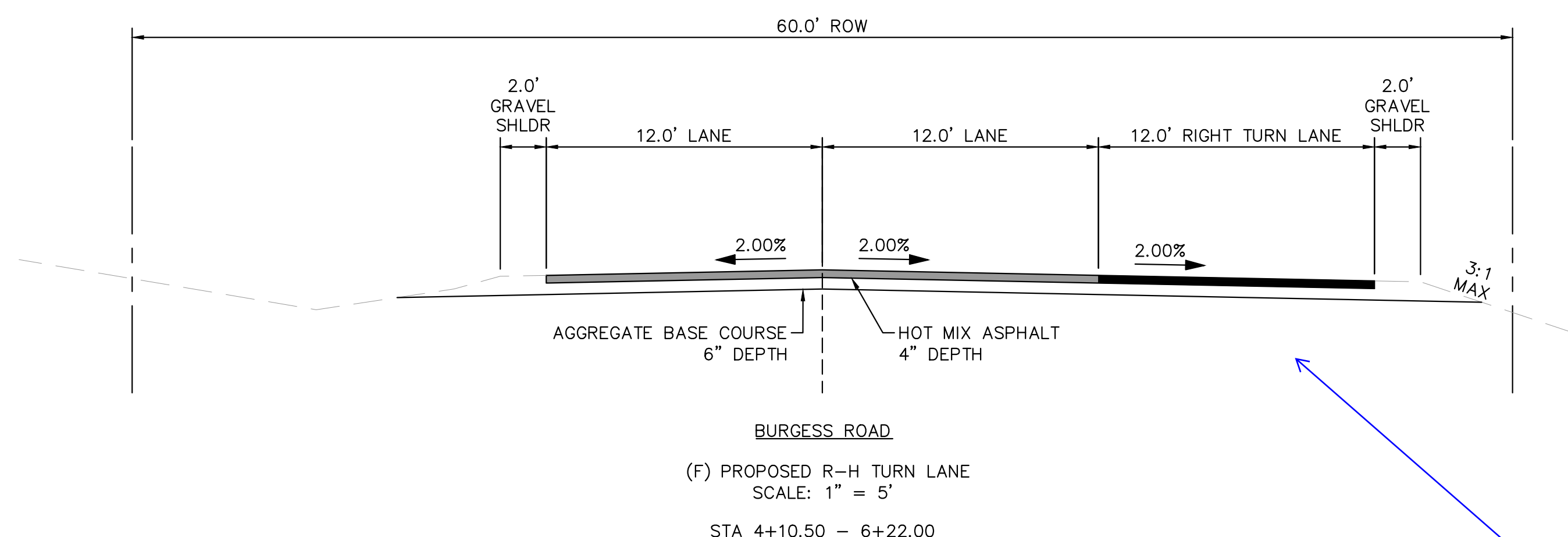
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NOTE

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



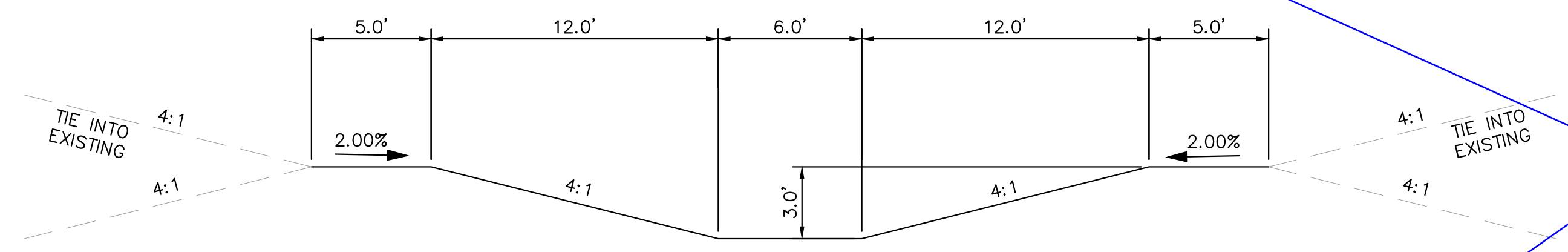
	BURGESS ROAD	RAYGOR ROAD
ROADWAY CLASSIFICATION	RURAL MINOR ARTERIAL	RURAL LOCAL (LOW VOLUME)
DESIGN SPEED	50 MPH	30 MPH
POSTED SPEED	45 MPH	30 MPH
℄ GRADE (MIN./MAX.)	1.0%/6.0%	1.0%/8.0%
INTERSECTION GRADES (MIN./MAX.)	1.0%/4.0%	1.0%/4.0%
MINIMUM S.S.D HORIZONTAL	570'	200'
MINIMUM S.S.D. VERTICAL (CREST 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

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

KH Response: This is labeled as (F) already.

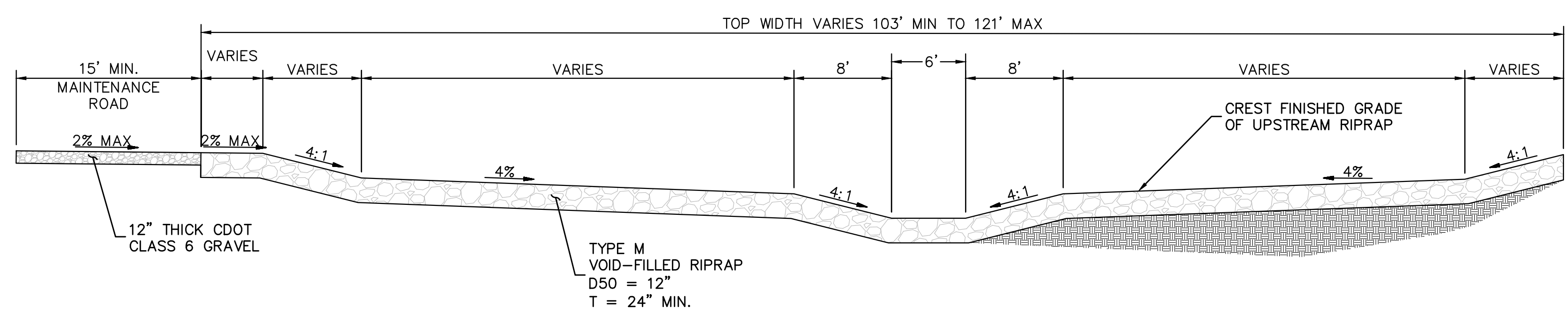
DRAINAGE CHANNEL CROSS SECTIONS

(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'



KH Response: These sections are labeled in the grading plans and best seen in the south channel / check structure sheets. Additional notes added for clarification

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

KH Response: Updated

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

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Kimley»Horn
Kimley-Horn and Associates, Inc.

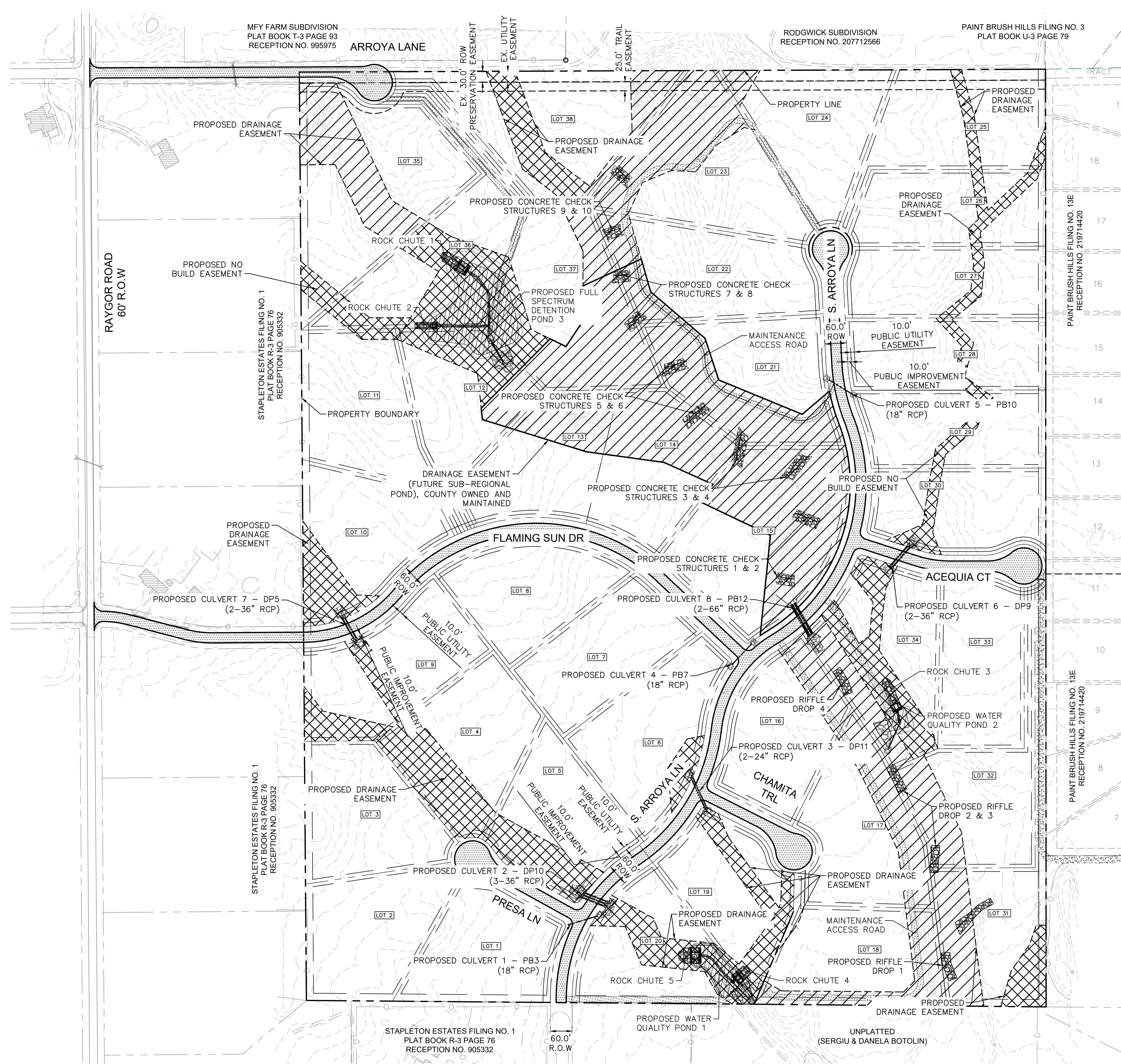
PROJECT NO.
196106001
SHEET

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

NOTE

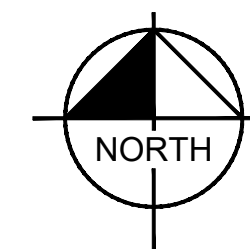
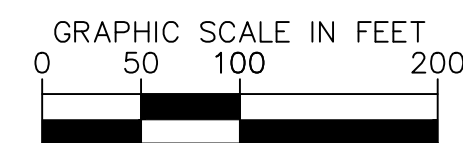
- 1. IN COUNTY EASEMENTS WITH DRAINAGE INFRASTRUCTURE, THE COUNTY IS RESPONSIBLE FOR MAINTENANCE OF DRAINAGE STRUCTURES WHILE THE METRO DISTRICT IS RESPONSIBLE FOR MAINTENANCE OF VEGETATION.

please add vegetation, TRM, and coir mat

KH Response: Updated

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)

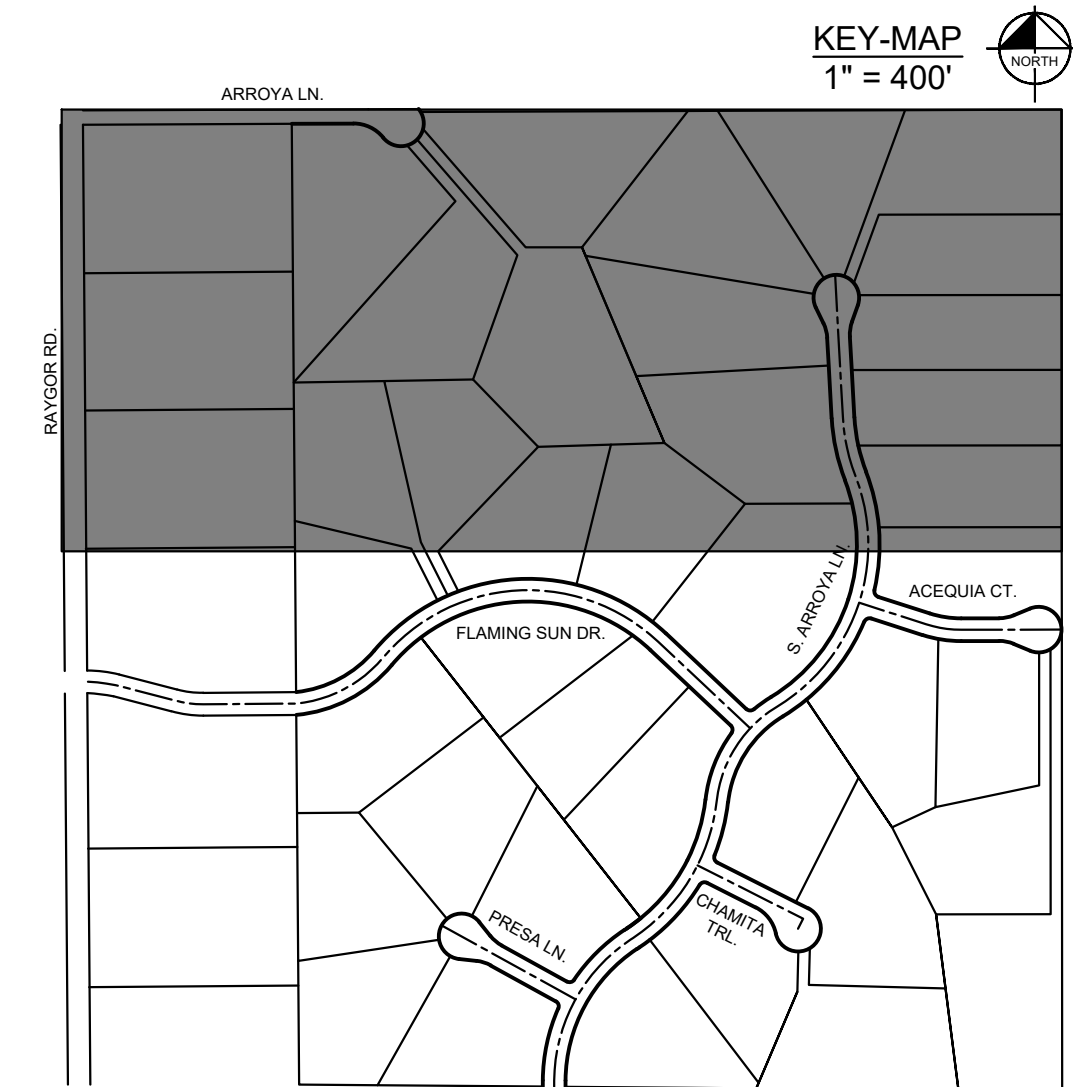


BENCHMARK

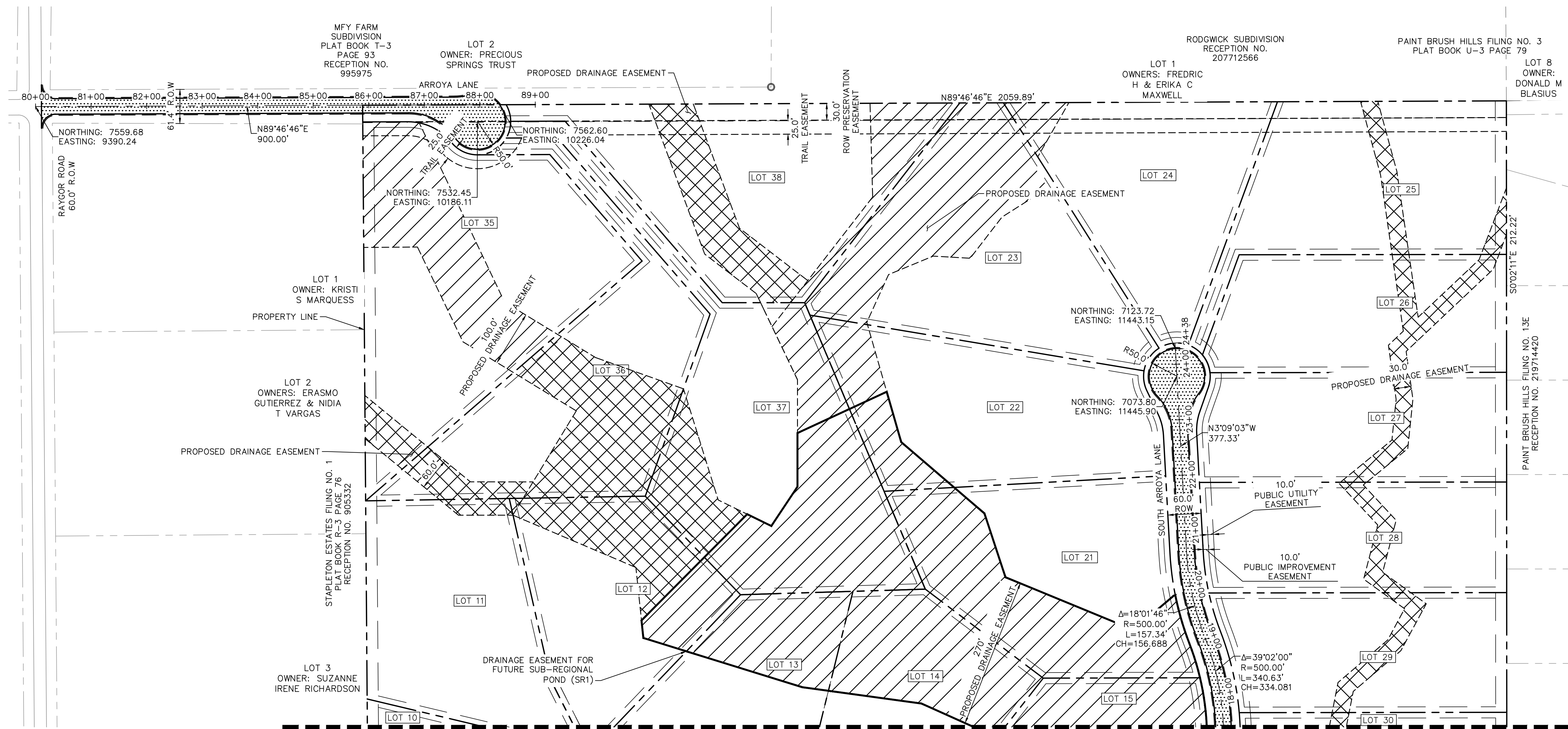
CONTROL POINTS AS SHOWN HEREON. ELEVATIONS ARE BASED ON CITY OF COLORADO SPRINGS MONUMENT F_65. PANEL POINTS 50 FOUND AT THE NW CORNER OF RAYGOR ROAD AND ARROYA LANE (EL=7281.39), AND 51 FOUND AT THE NW CORNER OF RAYGOR ROAD AND FLAMING SUN DRIVE (EL=7251.58). (DATUM: NGVD 29).

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.

KimleyHorn 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

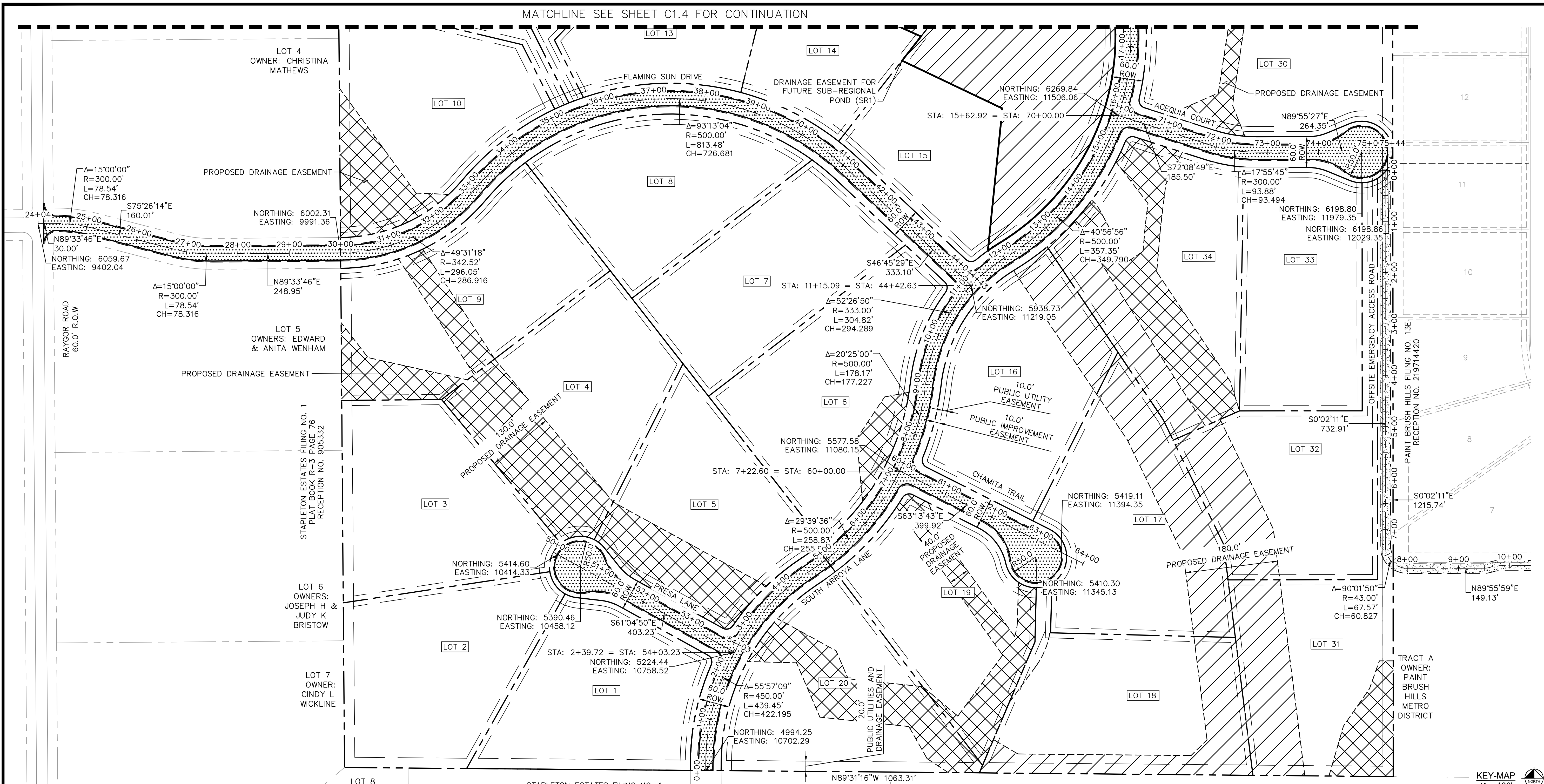
EAGLEVIEW EL PASO COUNTY, COLORADO CONSTRUCTION DOCUMENTS HORIZONTAL CONTROL PLAN

PRELIMINARY FOR REVIEW ONLY NOT FOR CONSTRUCTION KimleyHorn logo

PROJECT NO. 196106001 SHEET

C1.4

MATCHLINE SEE SHEET C1.4 FOR CONTINUATION



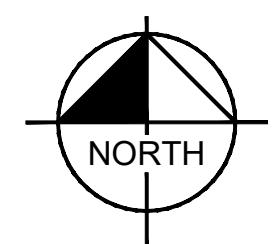
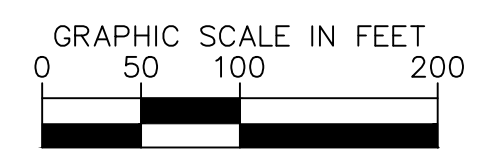
NOTE

- 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.

KH Response: Updated

LEGEND

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

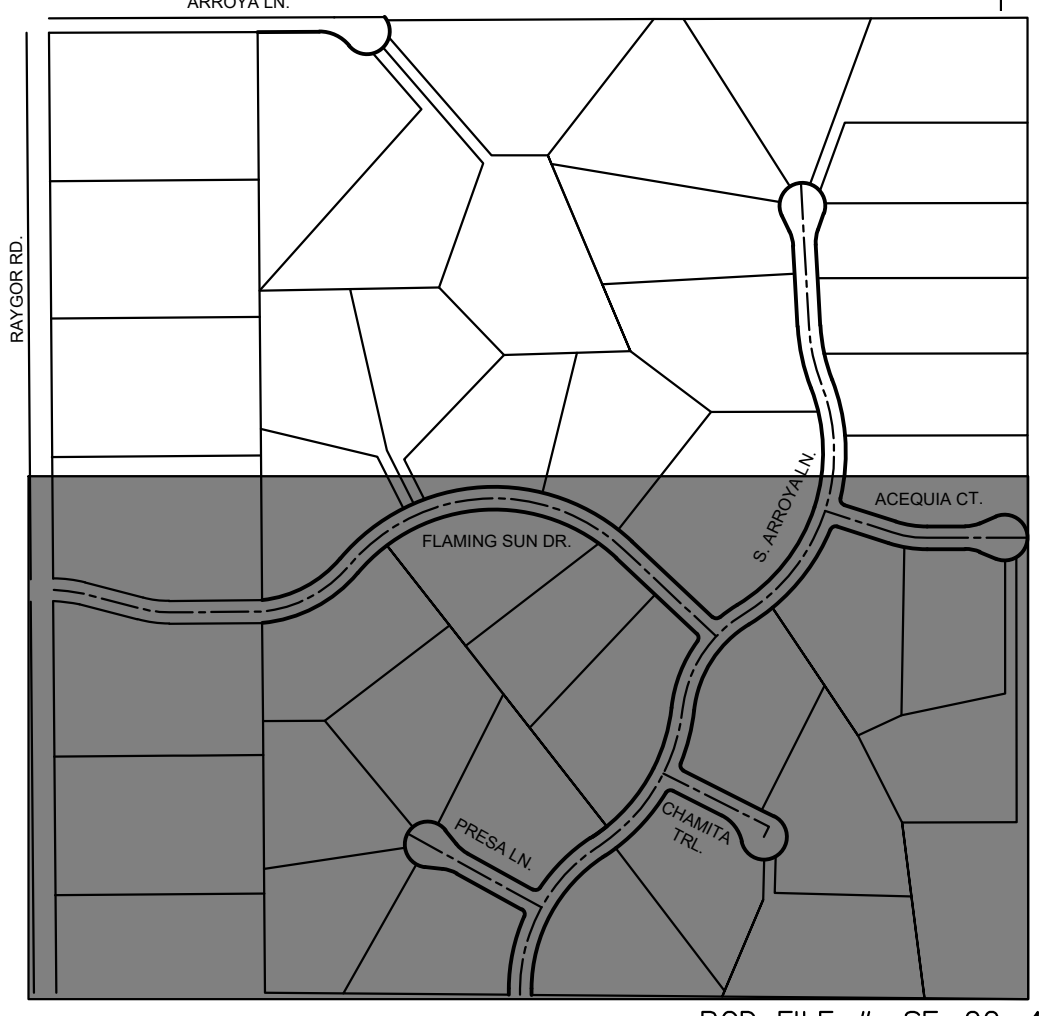


BENCHMARK

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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NO.	REVISION	BY	DATE	APPR

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 CHECKED BY: KRK
 DATE: 06/27/2024

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 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
HORIZONTAL CONTROL PLAN

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PROJECT NO.
 196106001
 SHEET

C1.5

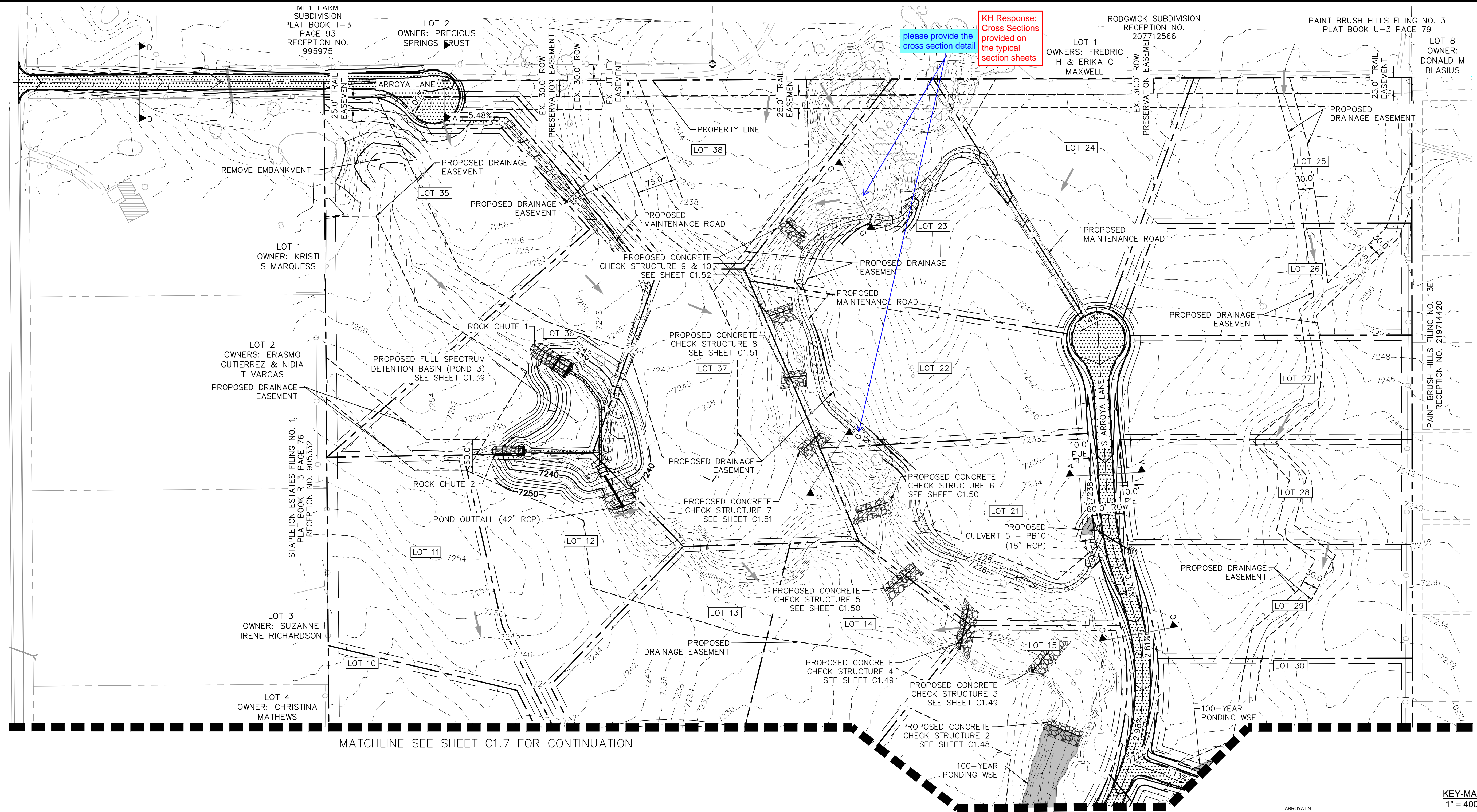
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CALL UTILITY NOTIFICATION
 CENTER OF COLORADO
 1-800-922-1987
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

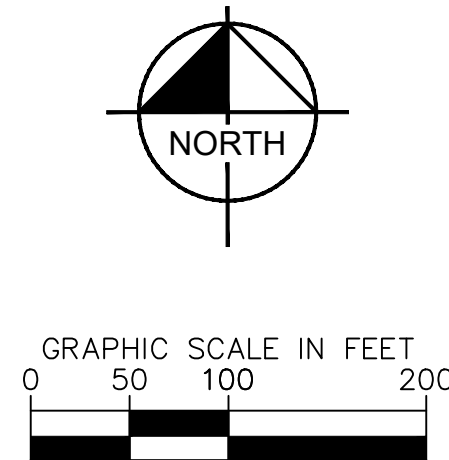
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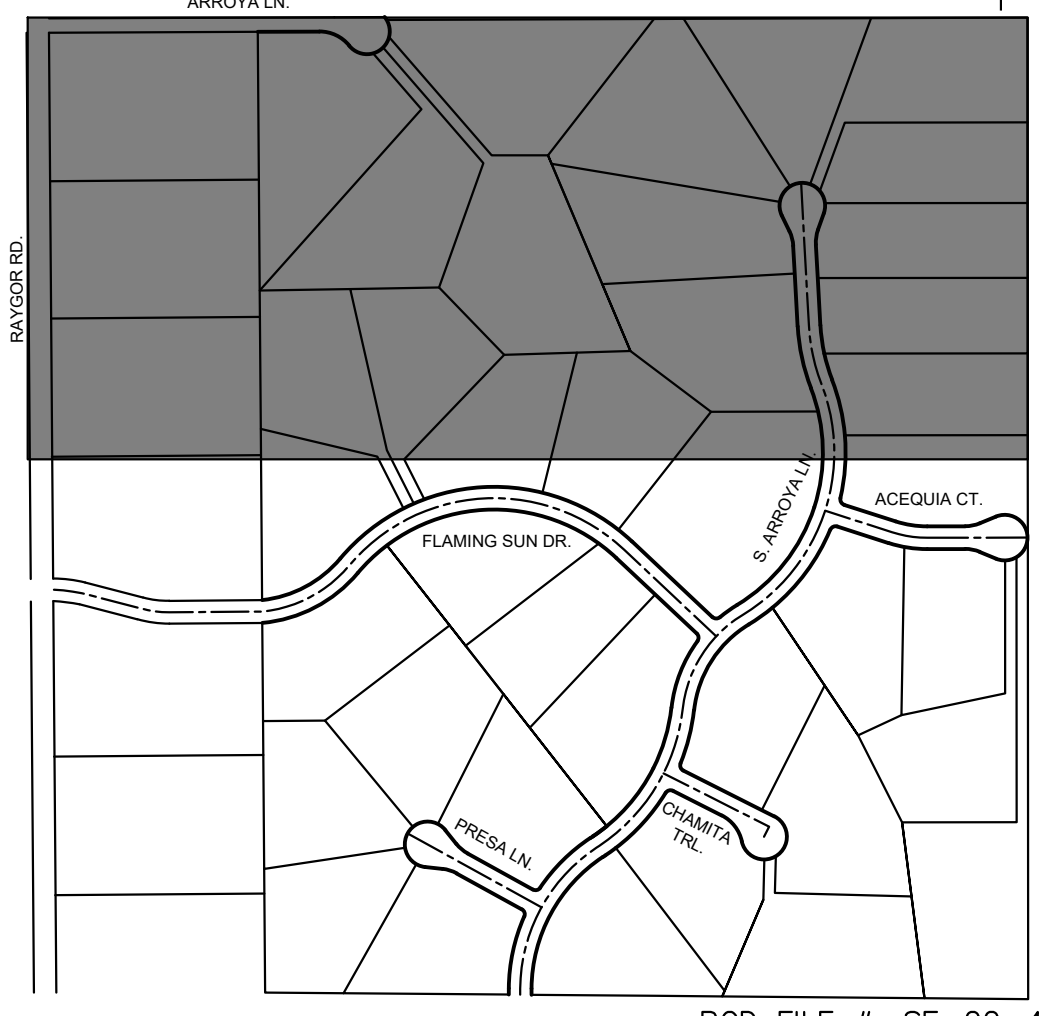
MATCHLINE SEE SHEET C1.7 FOR CONTINUATION



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



- | | | |
|---------------|--------------------------------|---------------------------|
| LEGEND | PROPERTY/LOT LINE | EXISTING MAJOR CONTOUR |
| | ROW LINE | EXISTING MINOR CONTOUR |
| | UTILITY EASEMENT LINE | PROPOSED MAJOR CONTOUR |
| LOT # | LOT NUMBER | PROPOSED MINOR CONTOUR |
| | PROPOSED DRAINAGE EASEMENT | PROPOSED ASPHALT PAVEMENT |
| | CROSS SECTION (SEE SHEET C1.1) | PROPOSED MAINTENANCE ROAD |
| | PROPOSED CULVERT | FLOW ARROW |



NO.	REVISION	BY	DATE	APPR

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CONSTRUCTION DOCUMENTS
GRADING PLAN

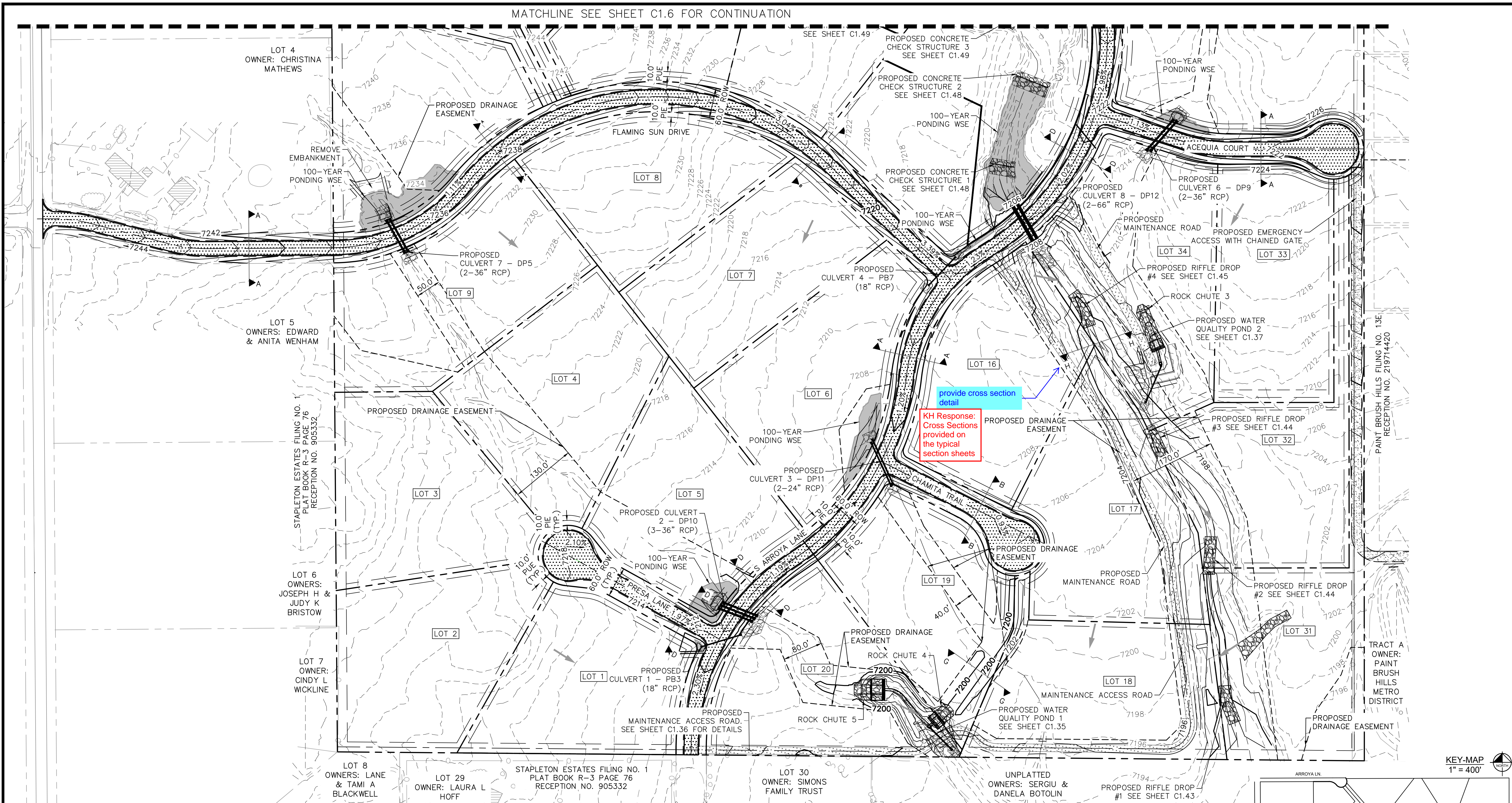
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Kimley-Horn and Associates, Inc.

PROJECT NO.
196106001

SHEET
C1.6

PCD FILE # SF-22-42

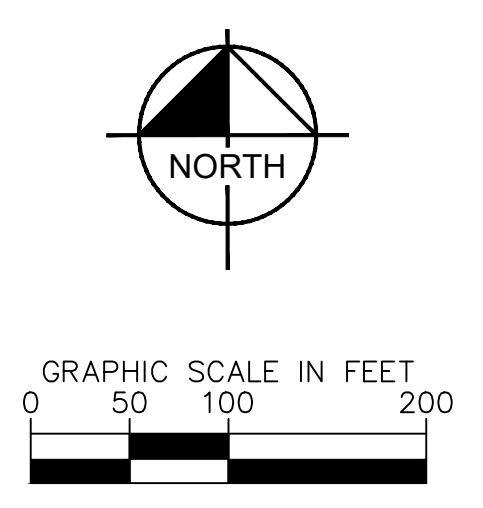
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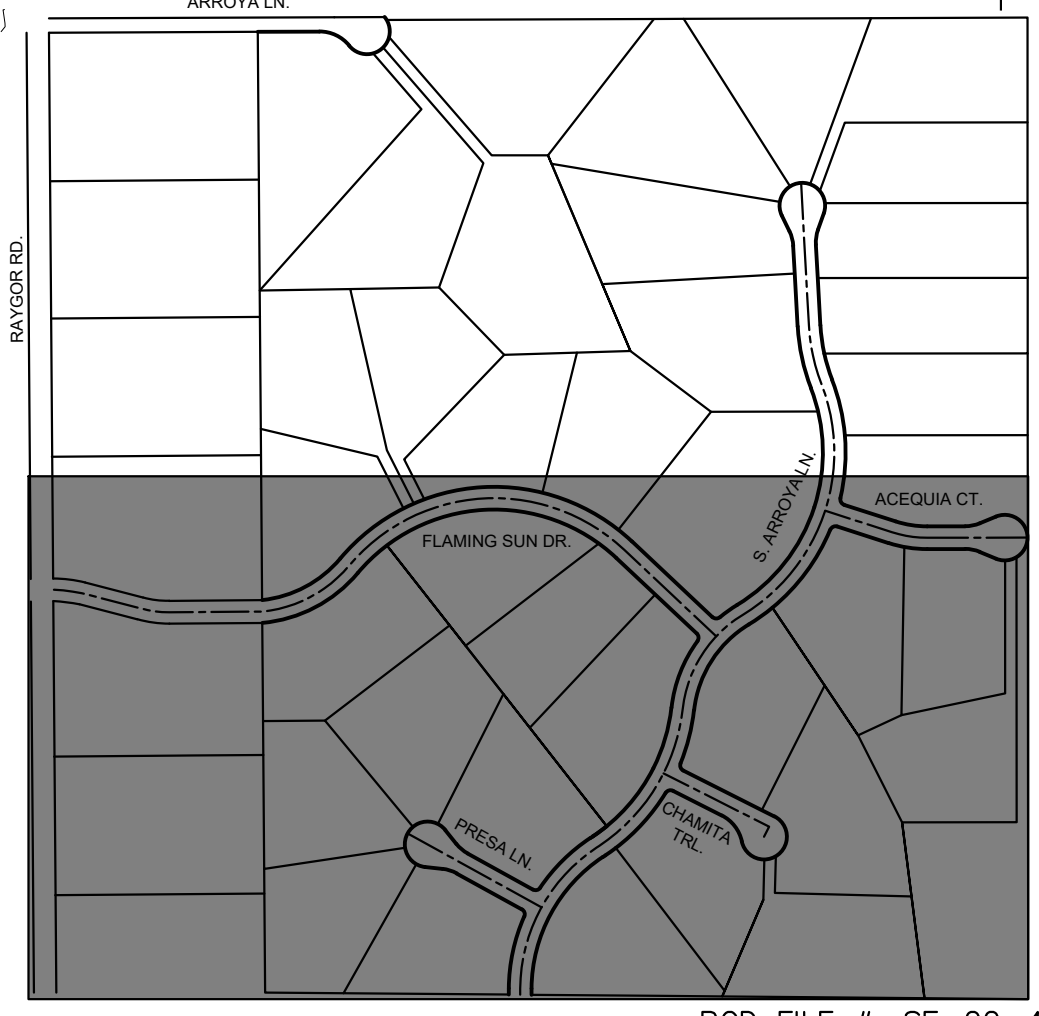
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CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987



- | | | | | | |
|---------------|-------|--------------------------------|-----|------|---------------------------|
| LEGEND | --- | PROPERTY/LOT LINE | --- | 7XXX | EXISTING MAJOR CONTOUR |
| | --- | ROW LINE | --- | 7XXX | EXISTING MINOR CONTOUR |
| | --- | UTILITY EASEMENT LINE | --- | 7XXX | PROPOSED MAJOR CONTOUR |
| | LOT # | LOT NUMBER | --- | 7XXX | PROPOSED MINOR CONTOUR |
| | --- | PROPOSED DRAINAGE EASEMENT | --- | --- | PROPOSED ASPHALT PAVEMENT |
| | --- | CROSS SECTION (SEE SHEET C1.1) | --- | --- | PROPOSED MAINTENANCE ROAD |
| | --- | PROPOSED CULVERT | --- | --- | FLOW ARROW |



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EAGLEVIEW
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 CONSTRUCTION DOCUMENTS
 GRADING PLAN

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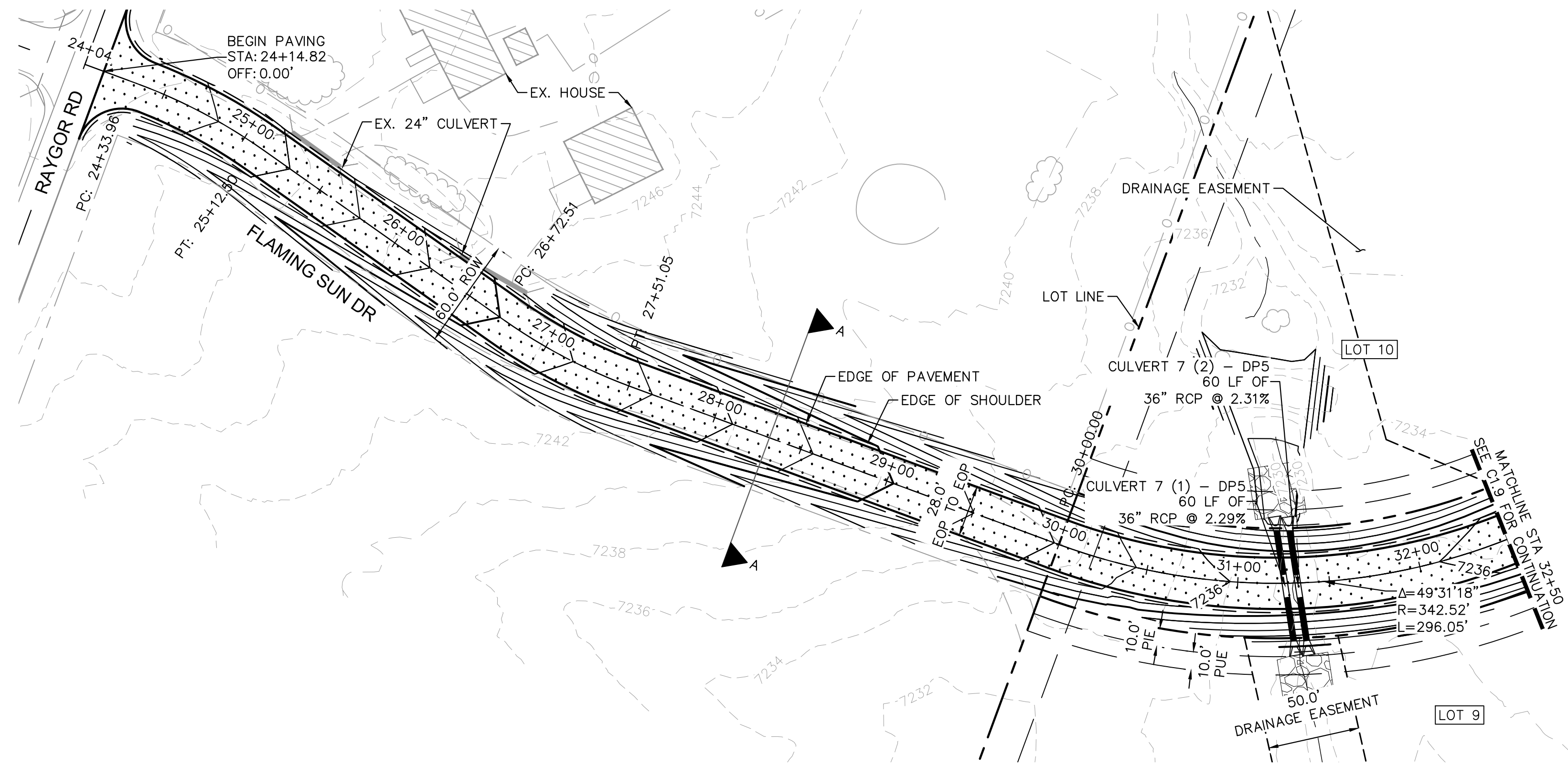
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PROJECT NO.
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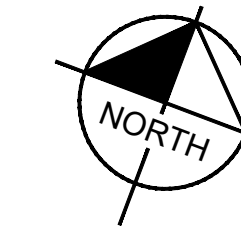
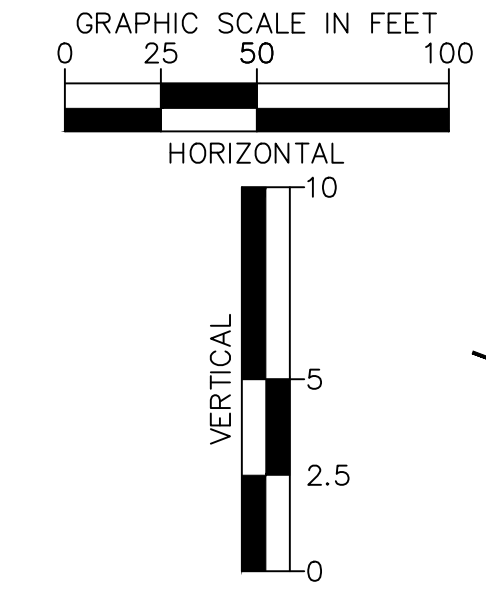
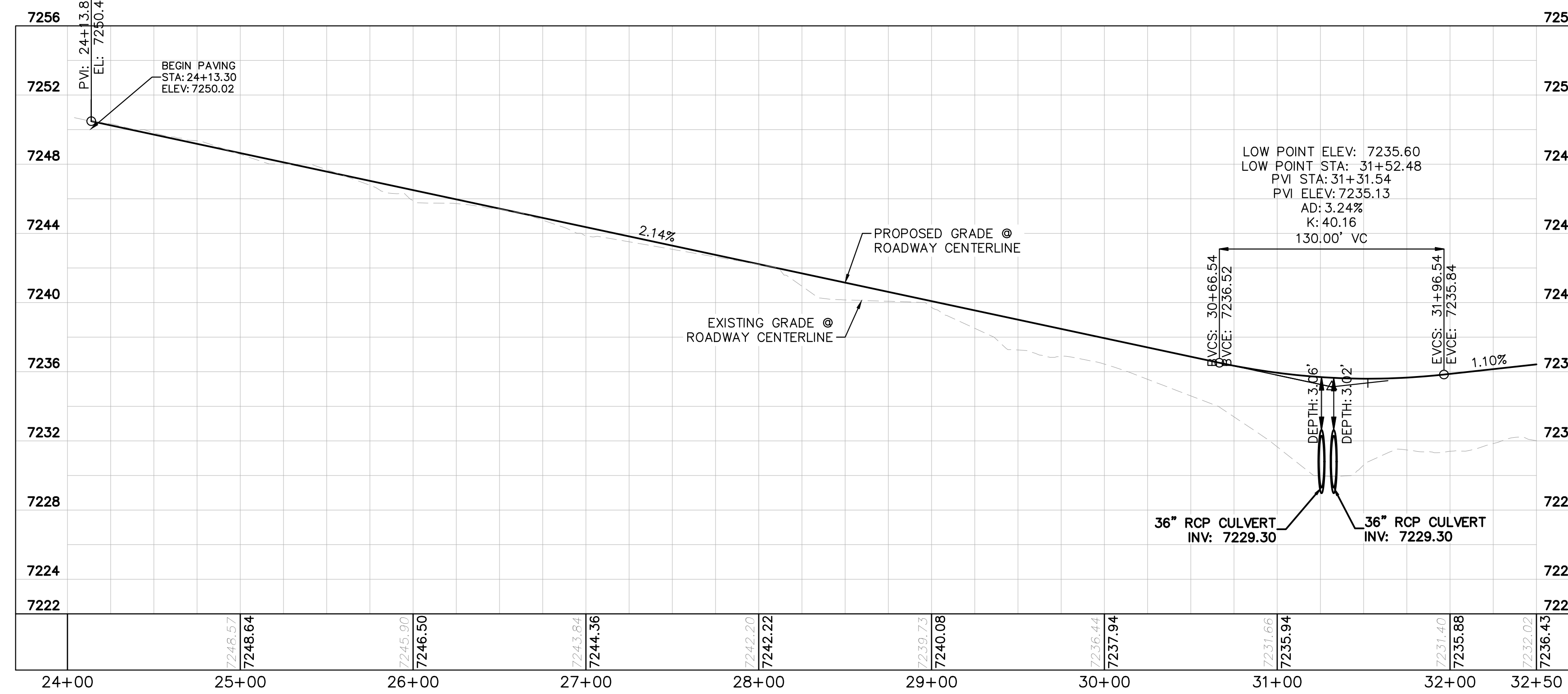
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C1.7

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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
- ▲▲ 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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FLAMING SUN DR. PLAN & PROFILE

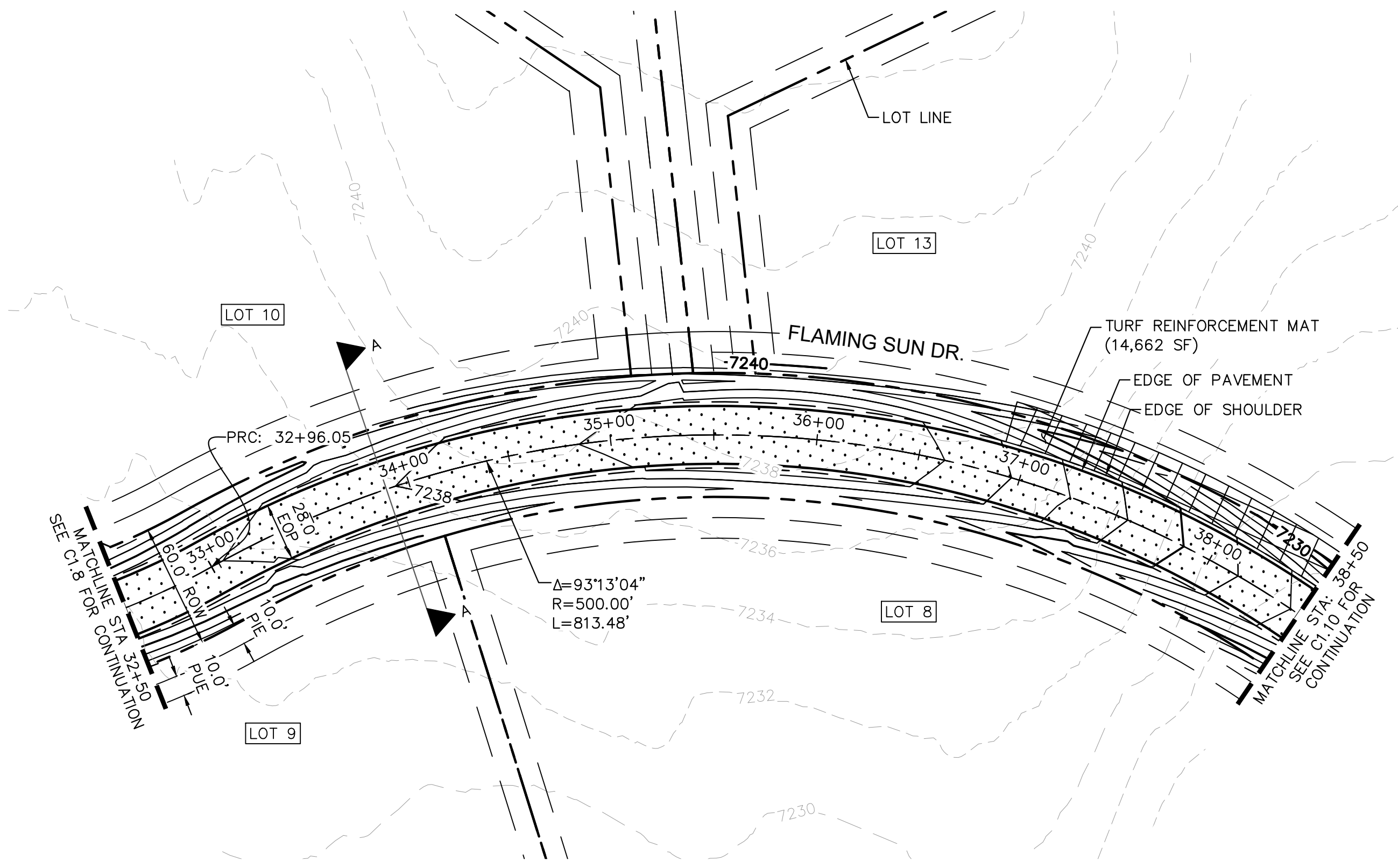
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PROJECT NO.
 196106001
 SHEET

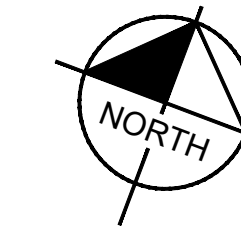
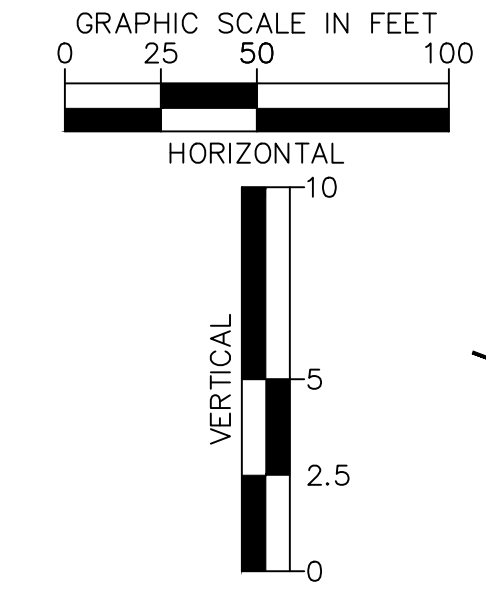
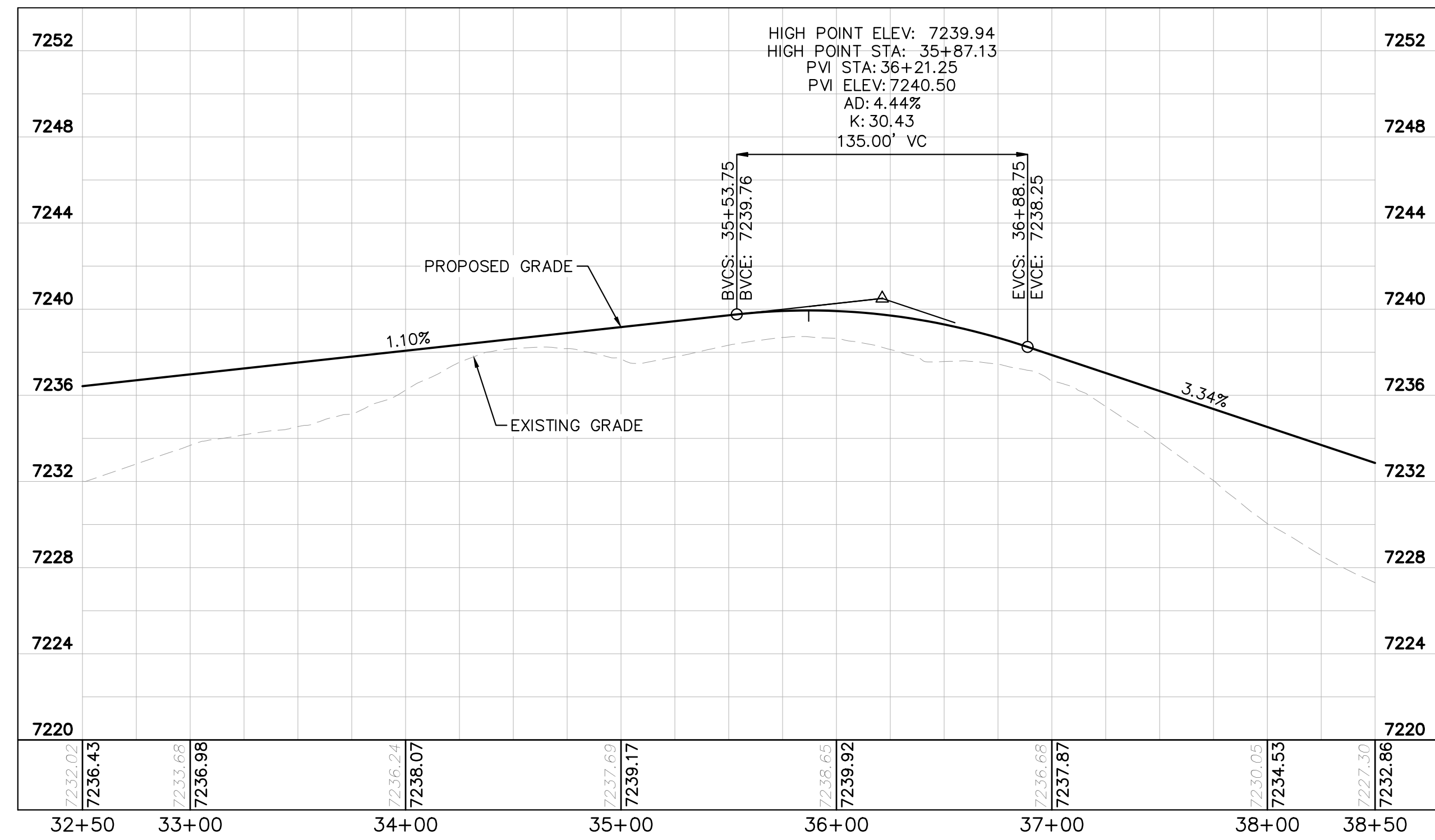
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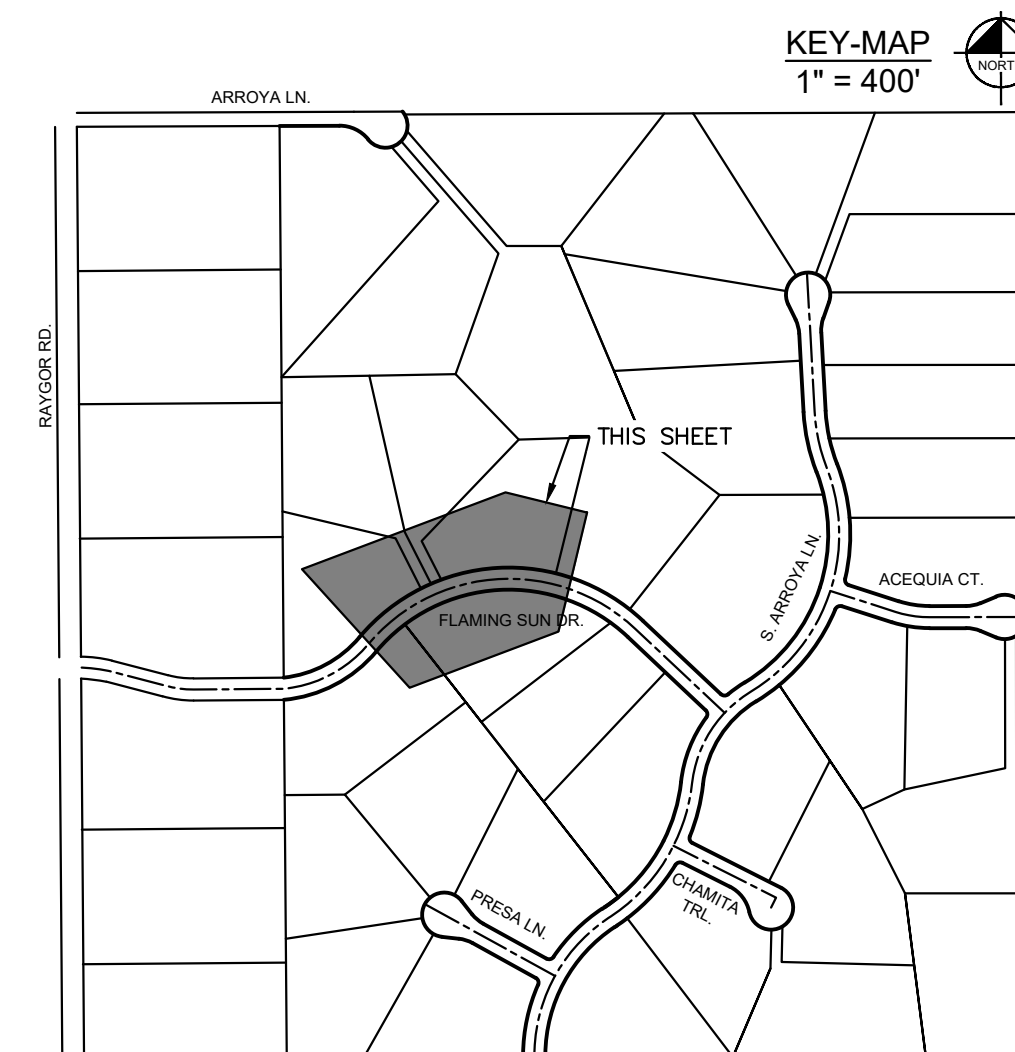
FLAMING SUN DR. PROFILE
STA: 32+50 TO 38+50



- 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

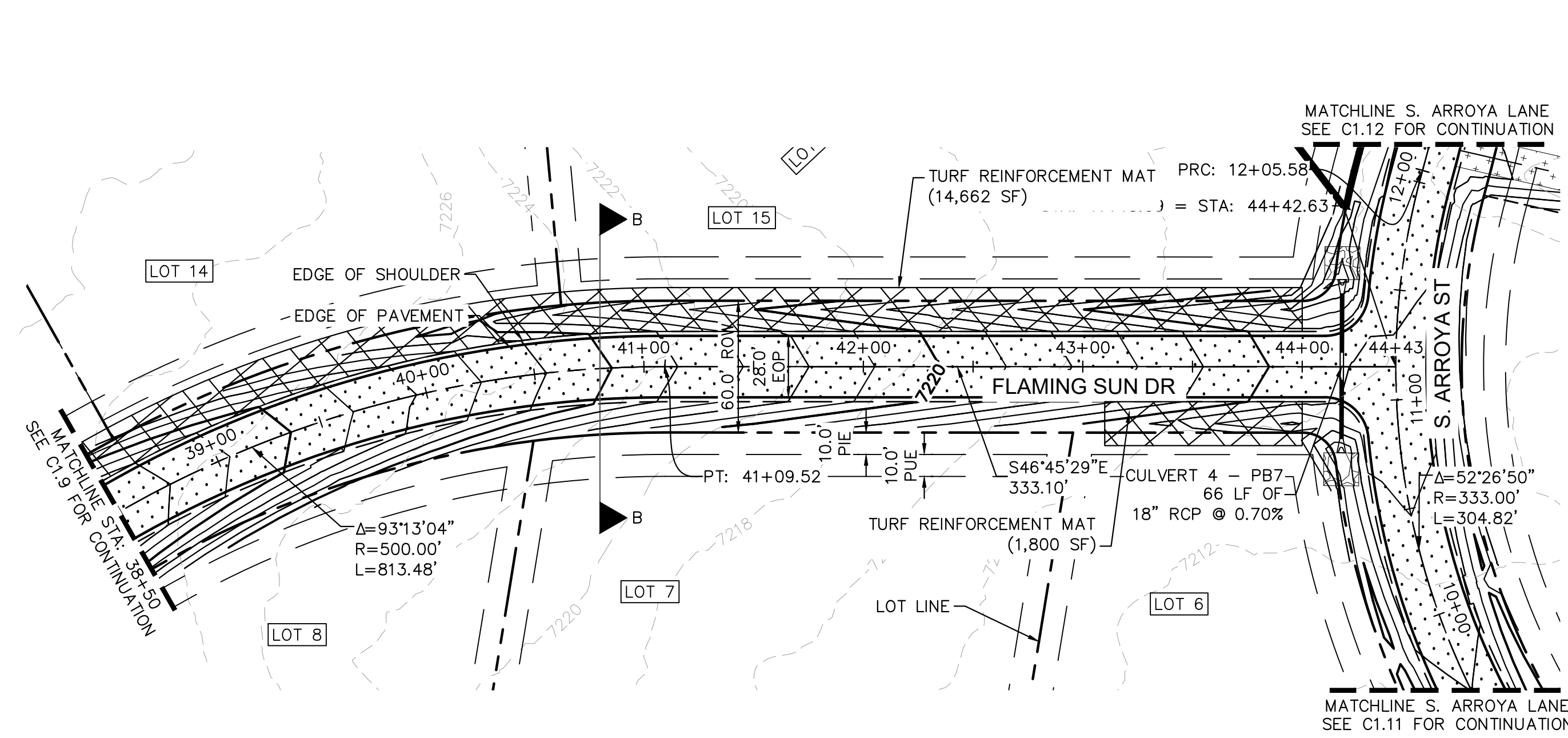
NOTES

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

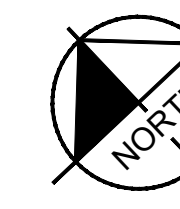
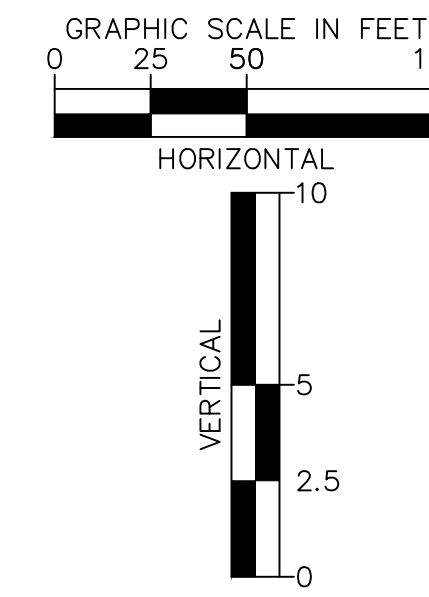
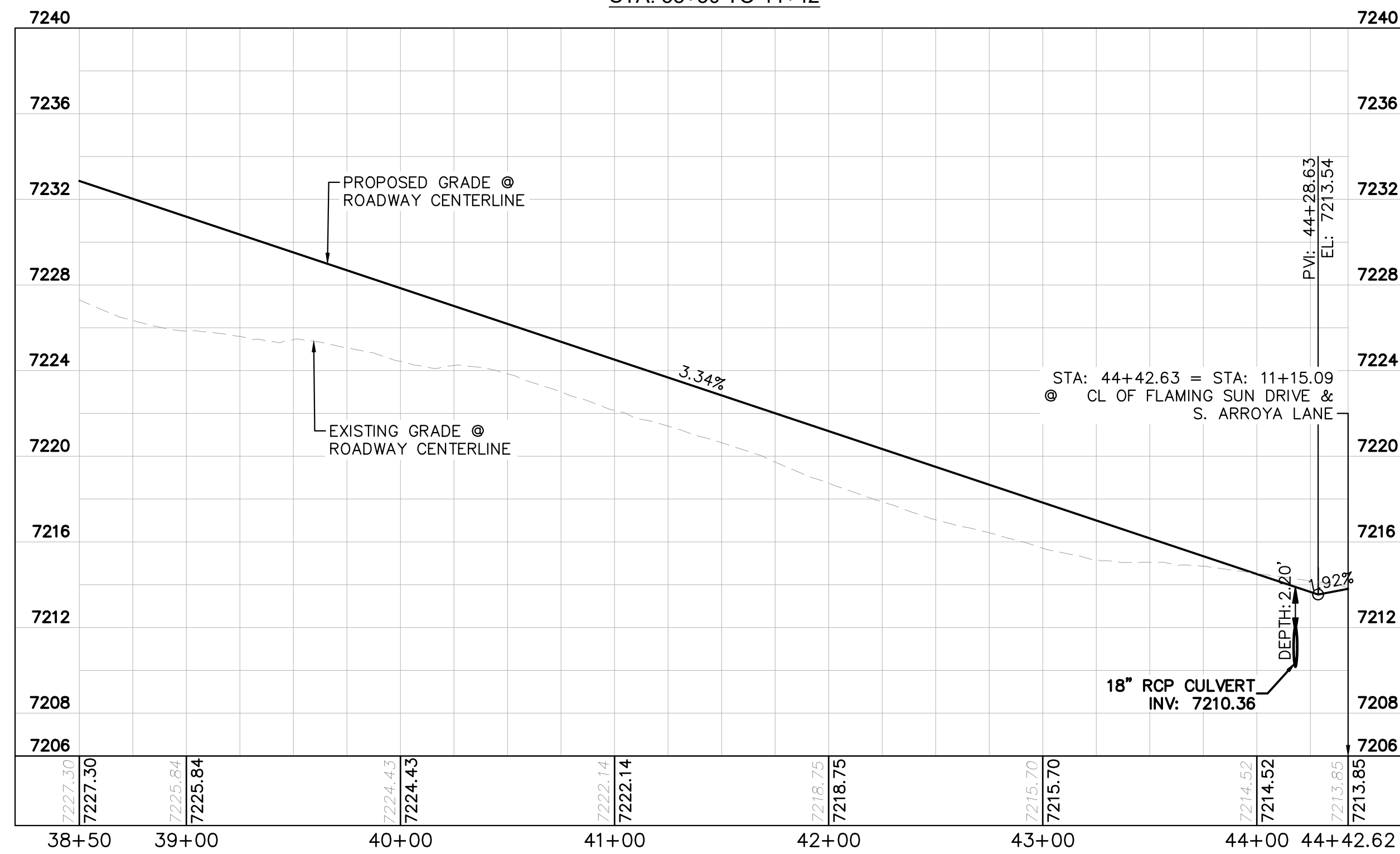


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EAGLEVIEW EL PASO COUNTY, COLORADO CONSTRUCTION DOCUMENTS FLAMING SUN DR. PLAN & PROFILE	PRELIMINARY FOR REVIEW ONLY NOT FOR CONSTRUCTION Kimley»Horn Kimley-Horn and Associates, Inc.	PROJECT NO. 196106001 SHEET C1.9
NO.	REVISION	BY DATE APPR.

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STA: 38+50 TO 44+42

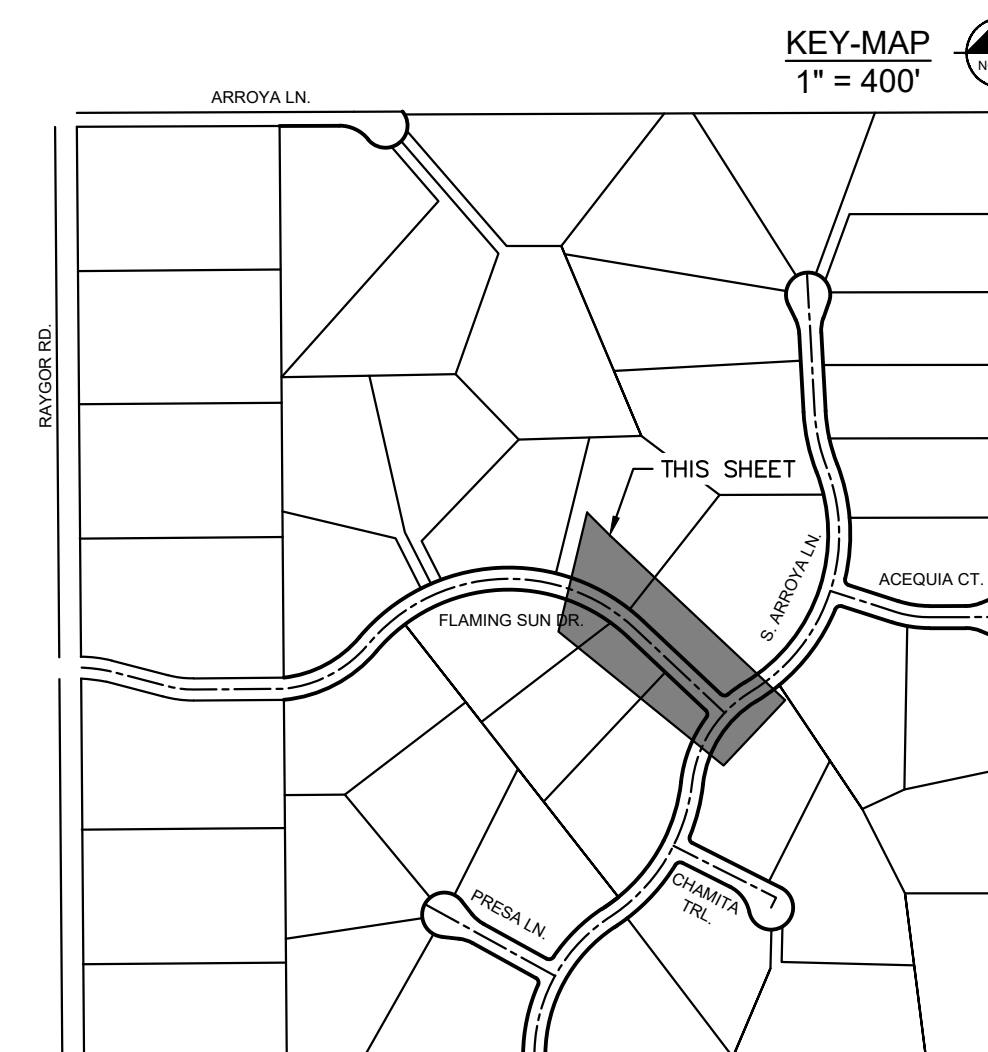


LEGEND

- 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

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NO.	REVISION	BY	DATE	APPR.

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FLAMING SUN DR. PLAN & PROFILE

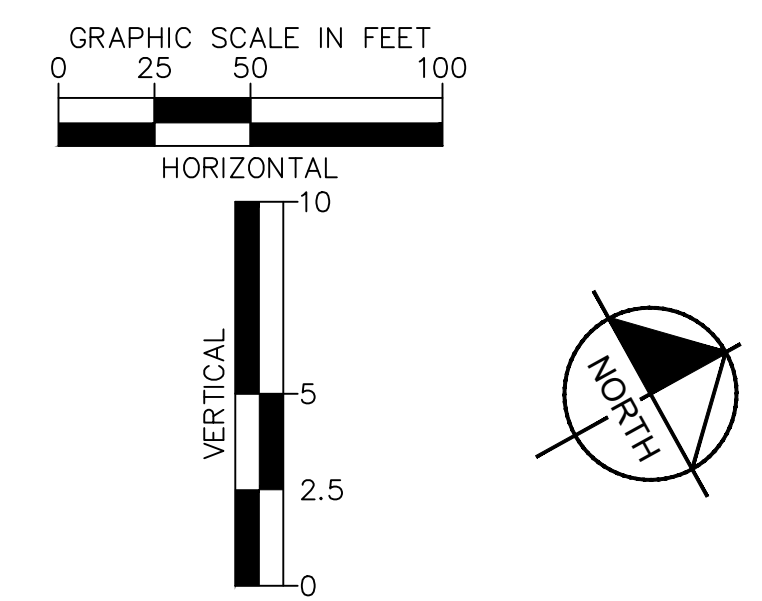
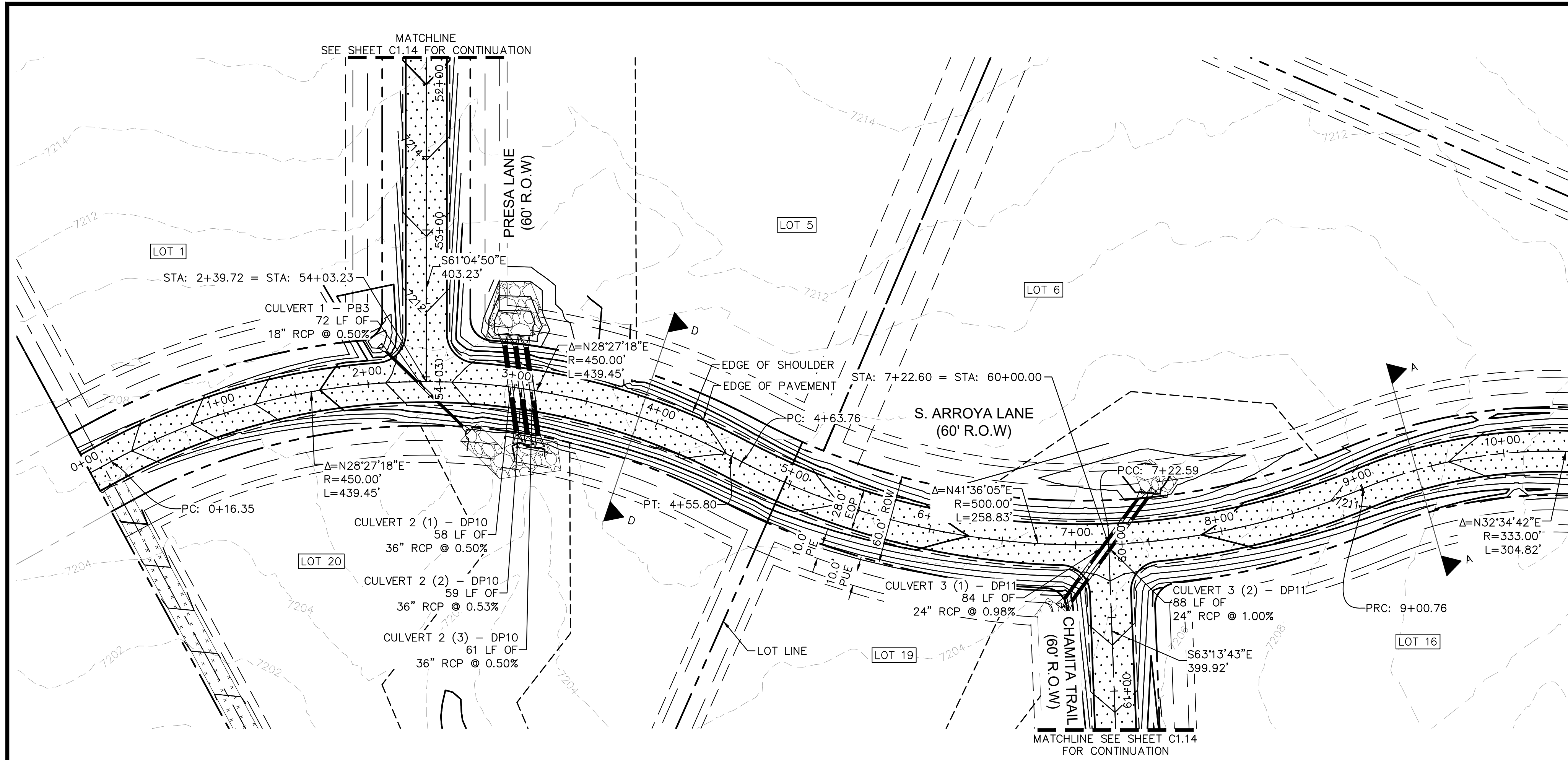
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C1.10

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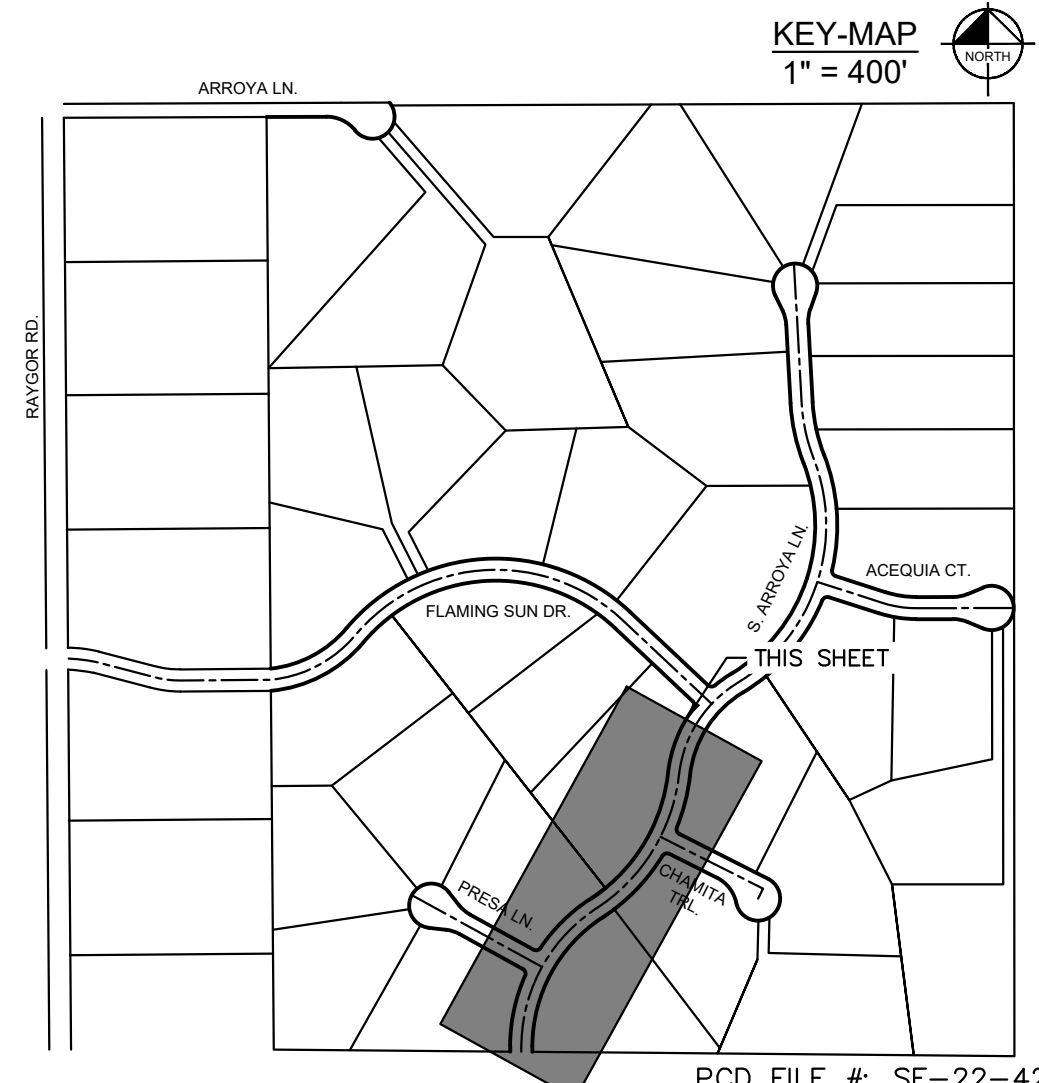
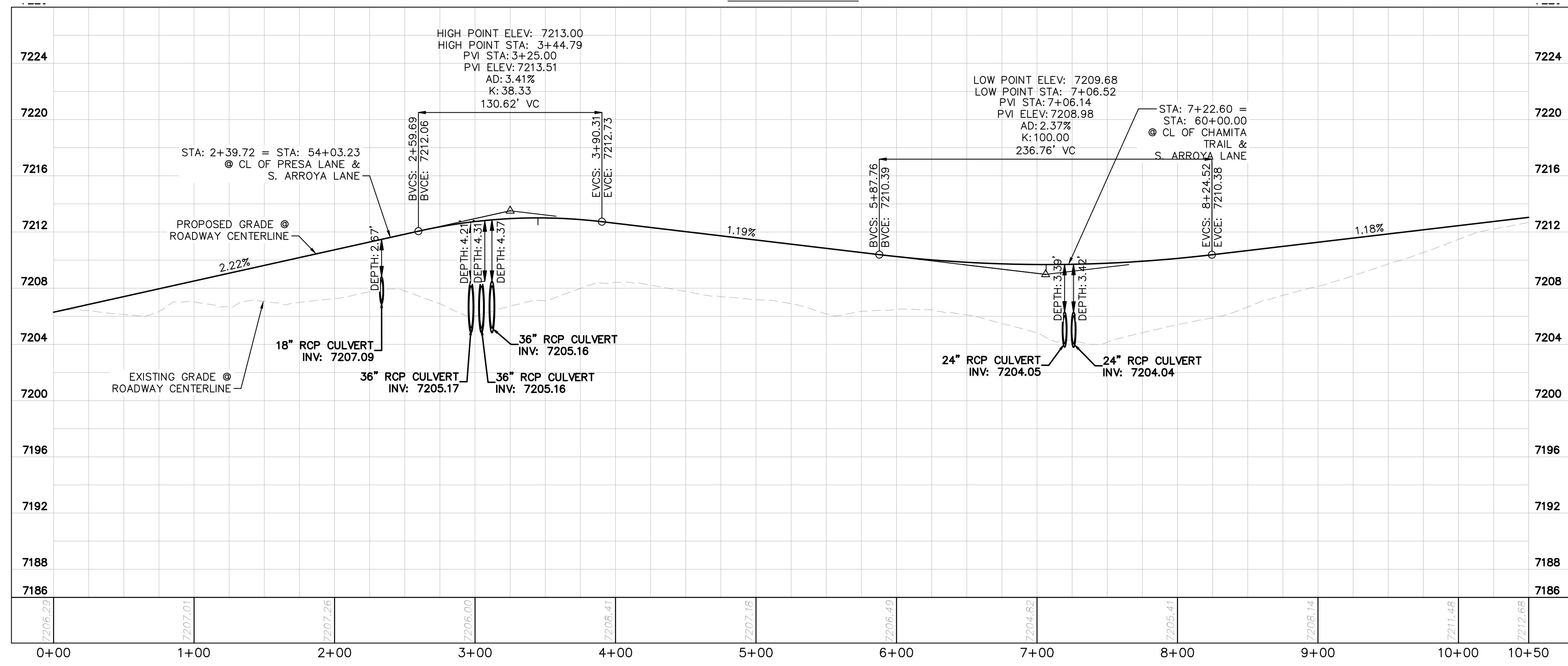
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- LEGEND**
- PROPERTY/LOT LINE
 - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT # LOT NUMBER
 - x-x-x- PROPOSED DRAINAGE EASEMENT
 - ▲▲▲ CROSS SECTION (SEE SHEET C1.1)
 - PROPOSED CULVERT
 - EXISTING CULVERT
 - 7XXX- EXISTING MAJOR CONTOUR
 - 7XXX- EXISTING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

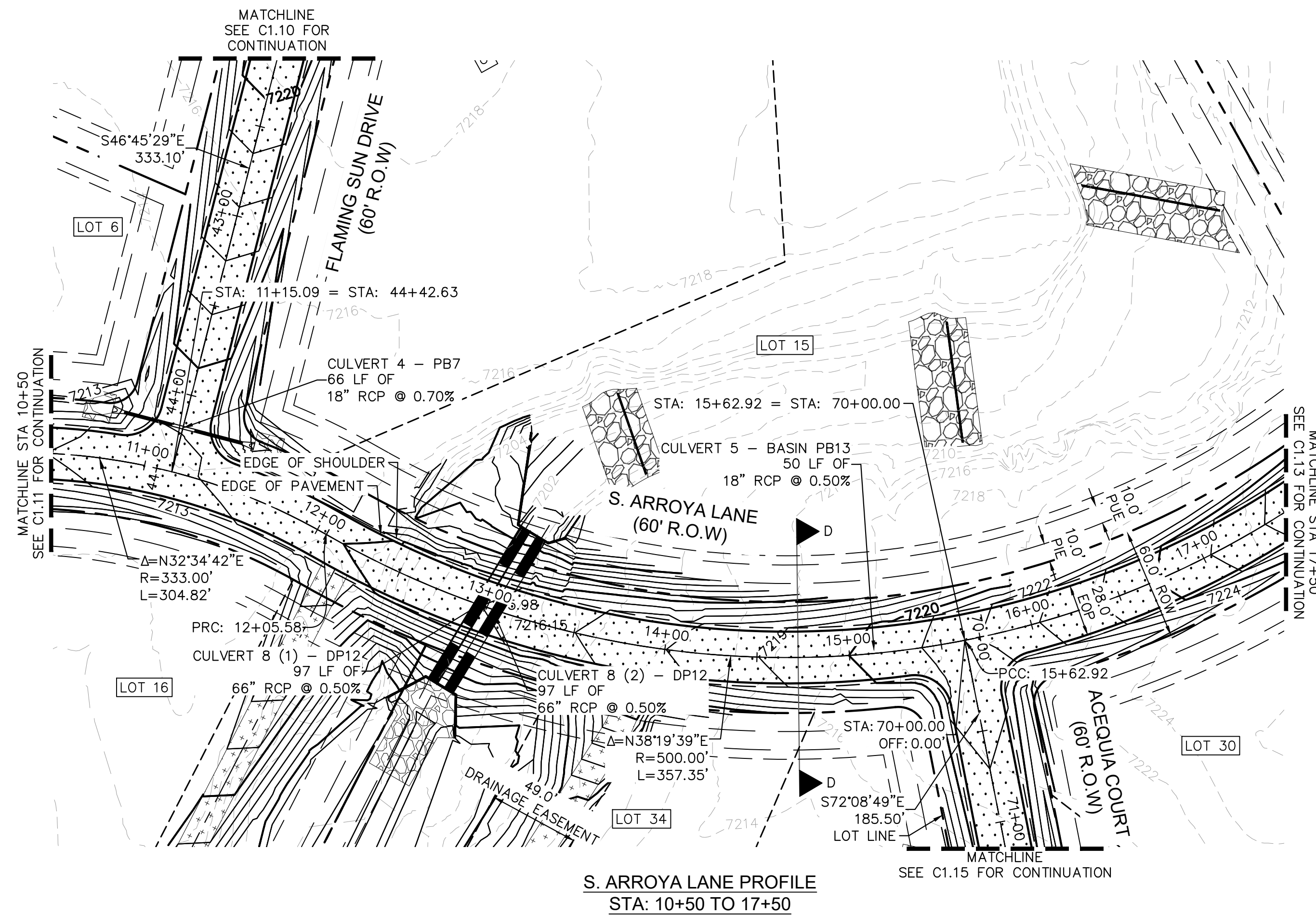
**S. ARROYA LANE PROFILE
STA: 0+00 TO 10+50**

- 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

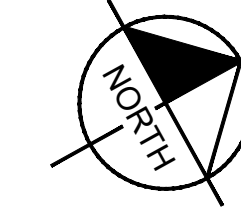
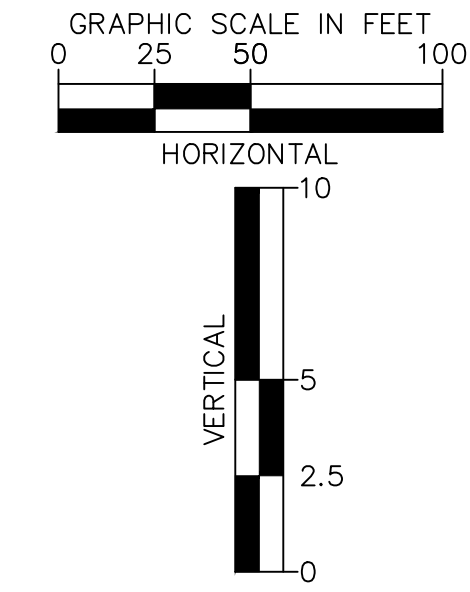
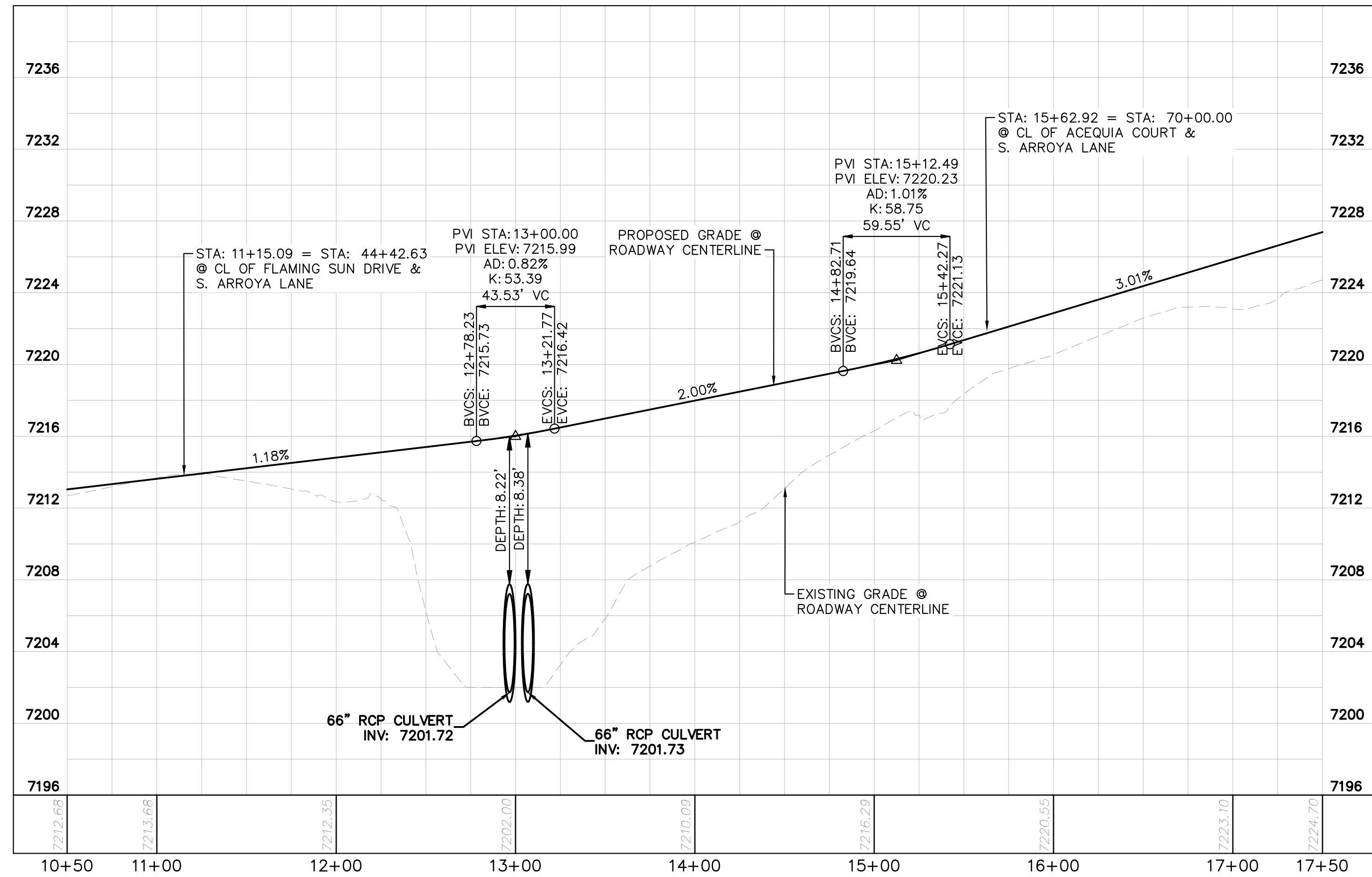


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<p>PRELIMINARY FOR REVIEW ONLY NOT FOR CONSTRUCTION</p>	
<p>PROJECT NO. 196106001 SHEET C1.11</p>	
<p>PCD FILE #: SF-22-42</p>	

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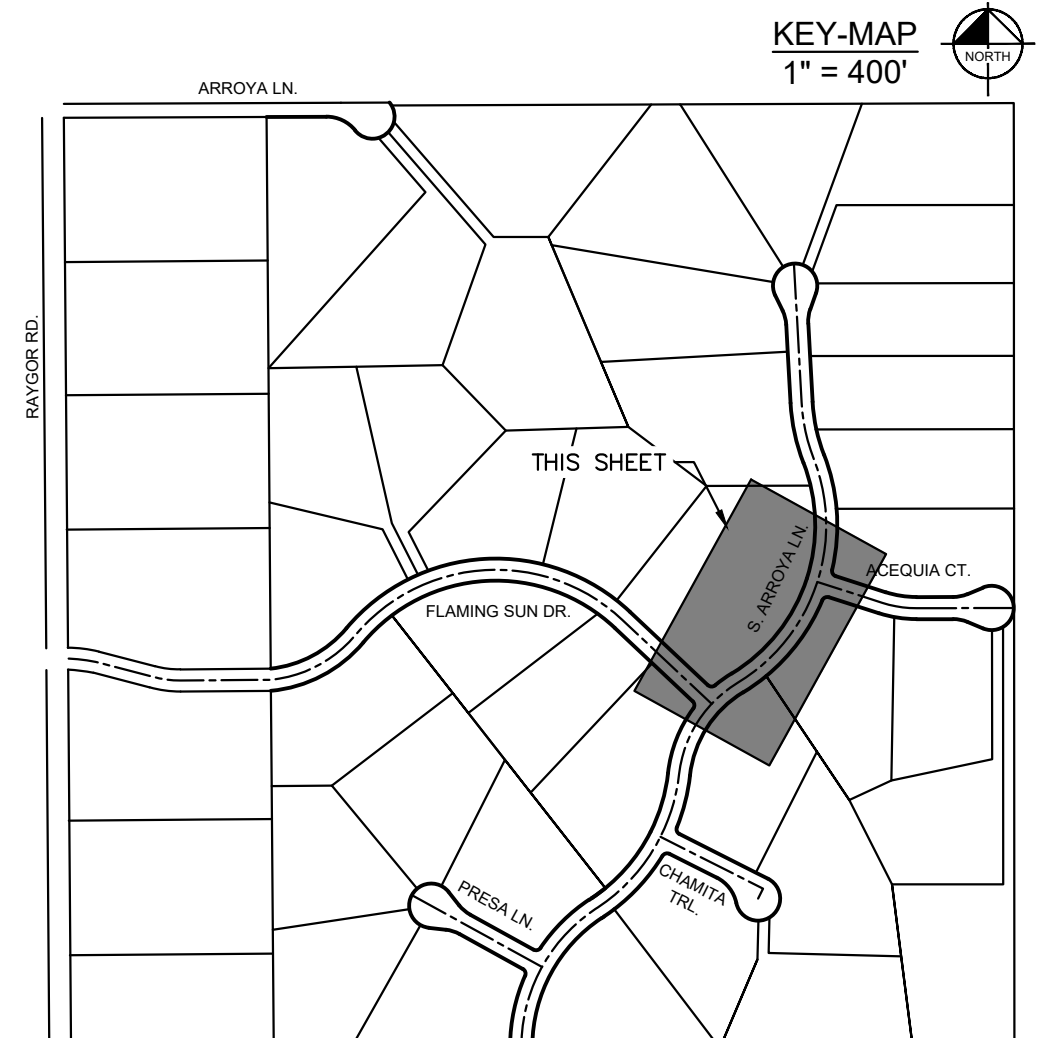
S. ARROYA LANE PROFILE
STA: 10+50 TO 17+50



- LEGEND**
- PROPERTY/LOT LINE
 - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT # LOT NUMBER
 - x-x-x- PROPOSED DRAINAGE EASEMENT
 - ▲ 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.

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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: KKK
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EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
S. ARROYA LN. PLAN & PROFILE

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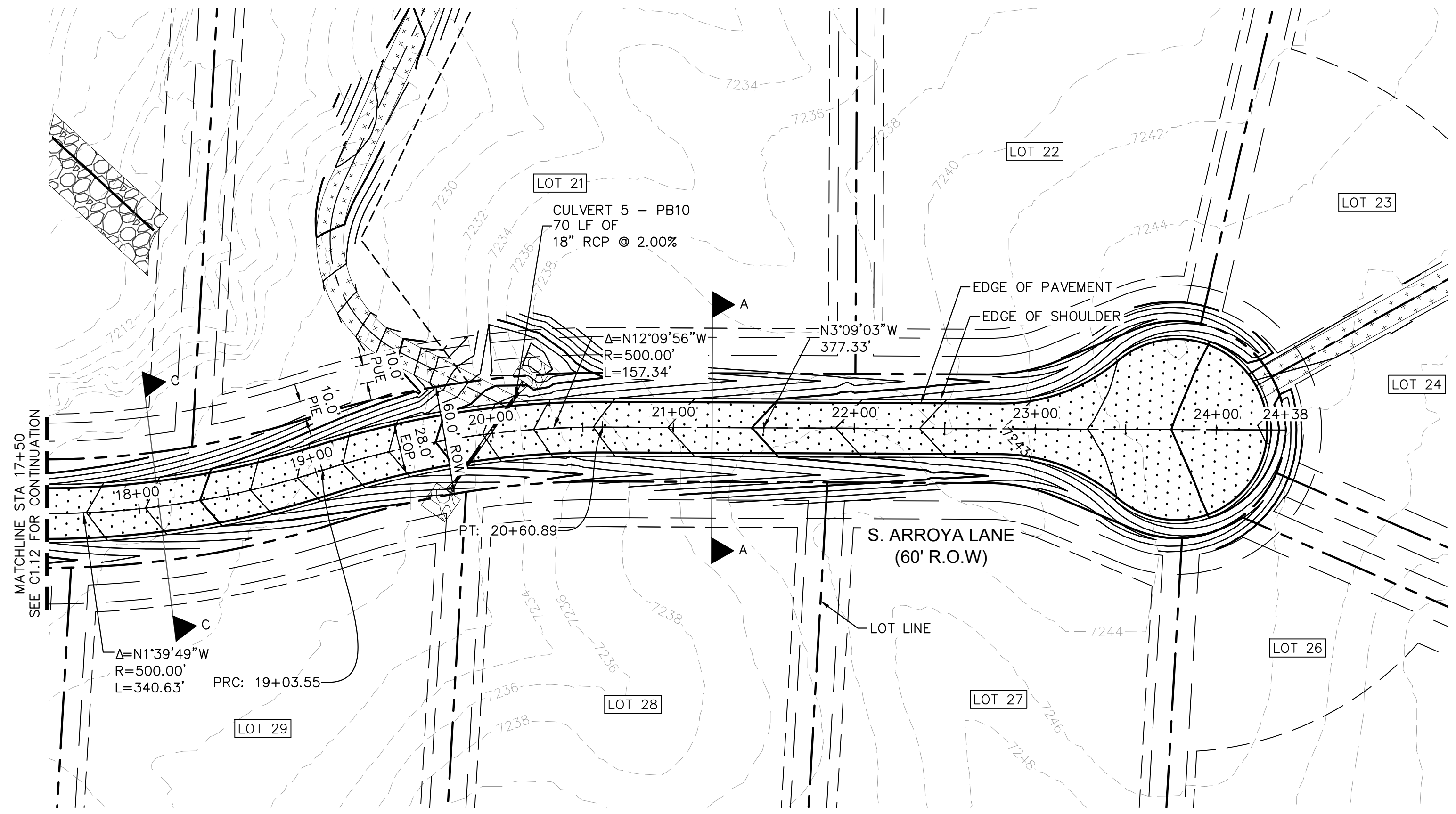
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Kimley-Horn and Associates, Inc.

PROJECT NO.
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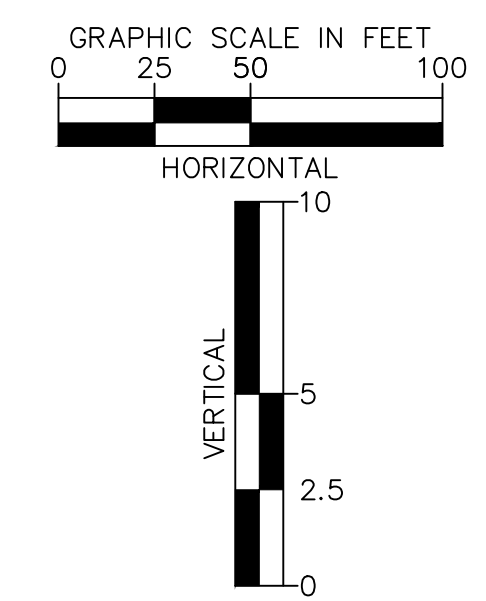
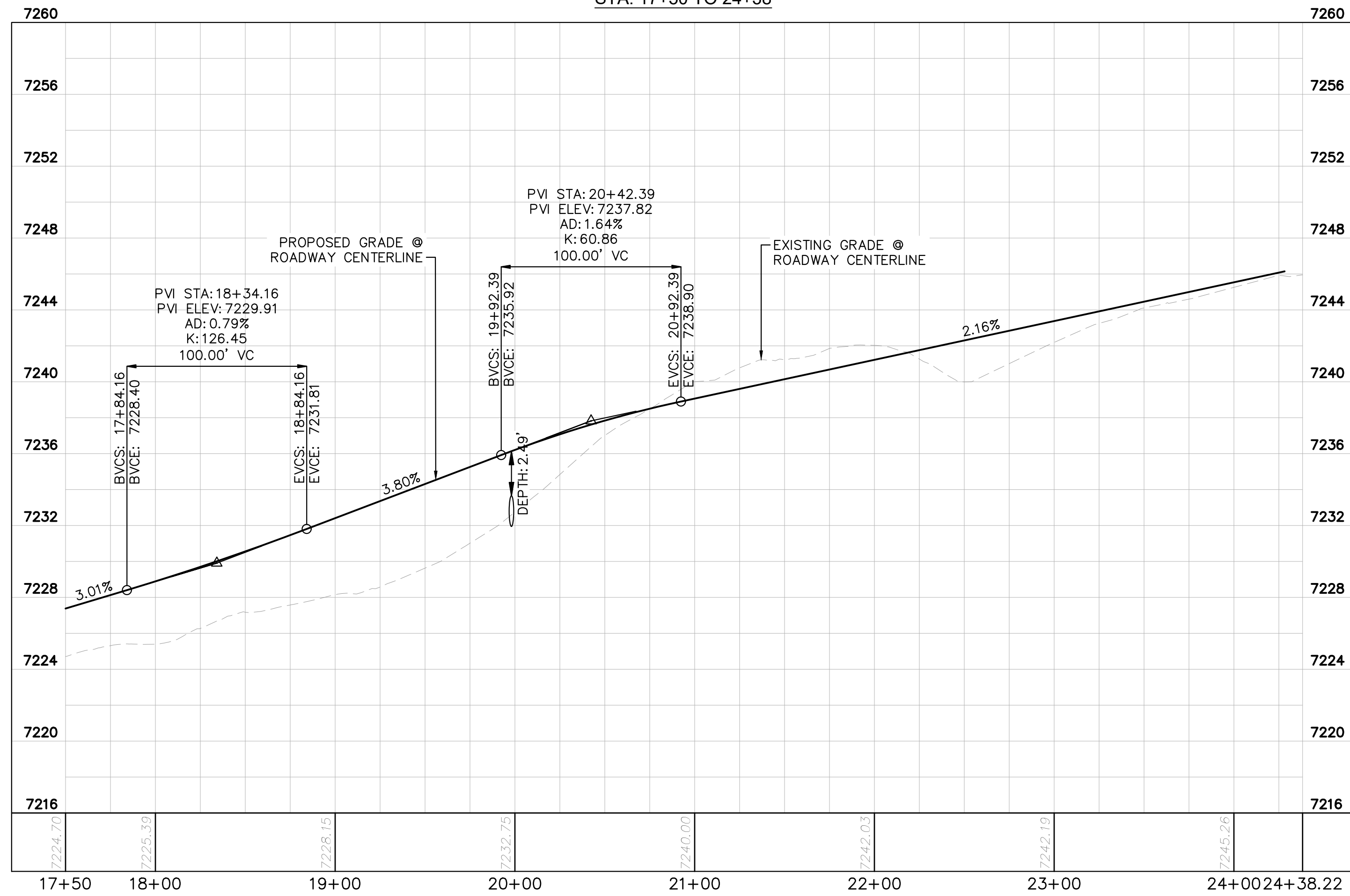
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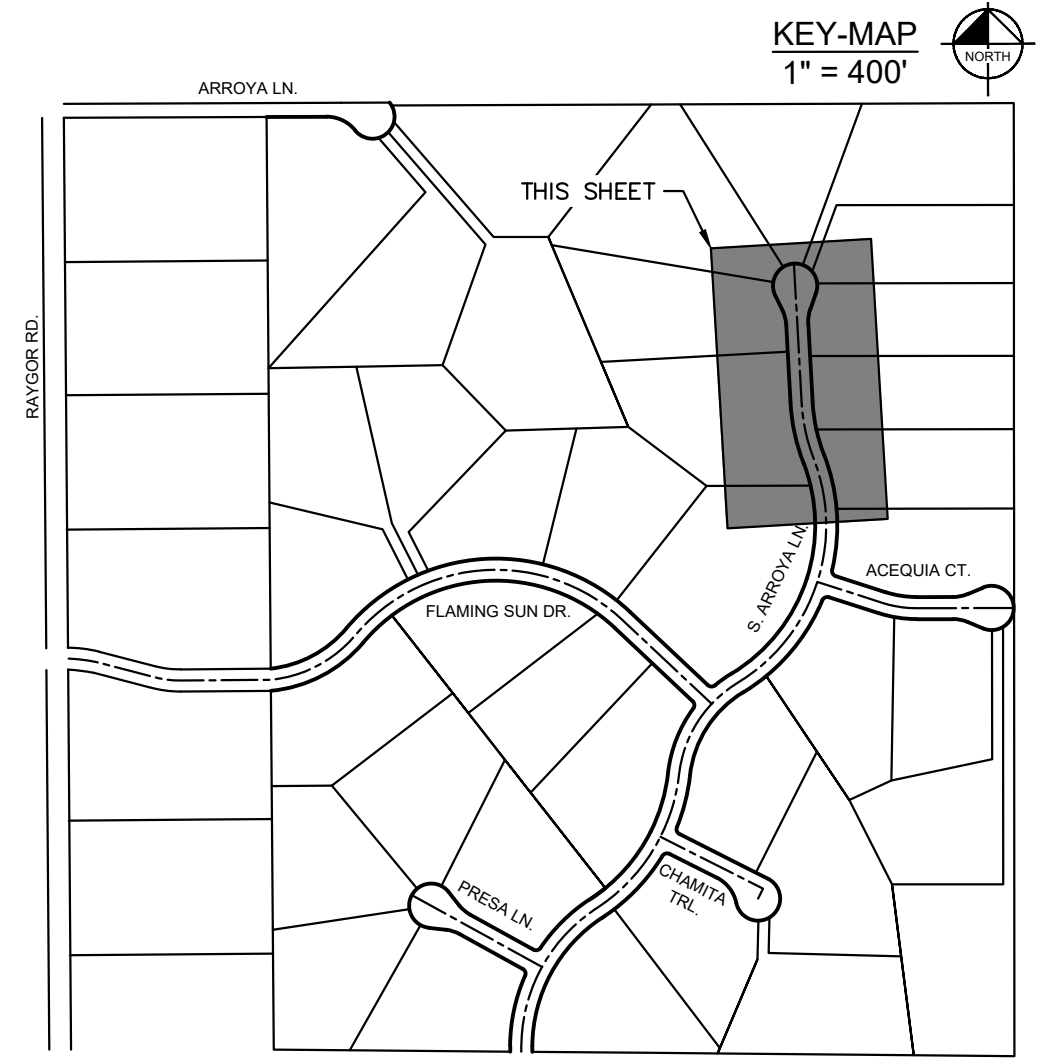
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STA: 17+50 TO 24+38



- 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
 - ▲▲ TURF REINFORCEMENT MAT
 - ASPHALT PAVEMENT

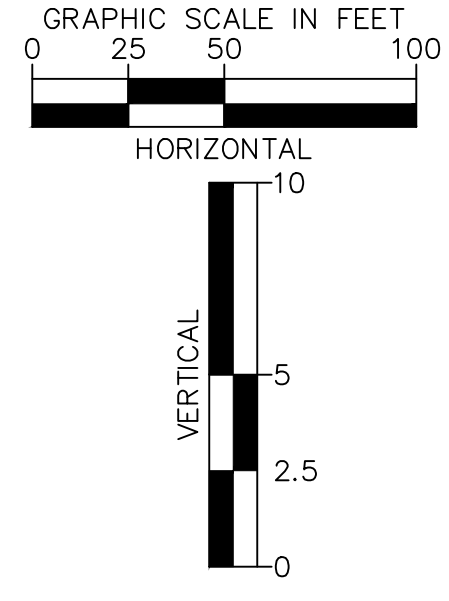
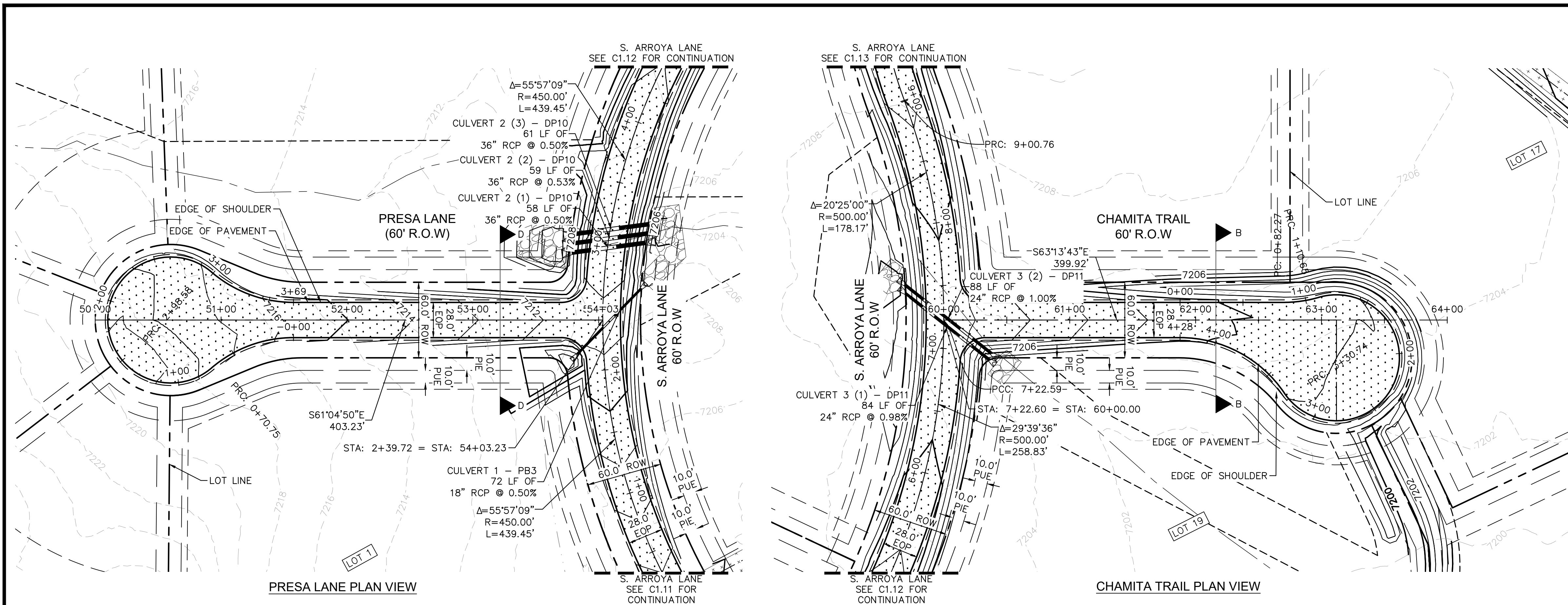
NOTES

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



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: KKK	
EAGLEVIEW EL PASO COUNTY, COLORADO CONSTRUCTION DOCUMENTS S. ARROYA LN. PLAN & PROFILE	
PRELIMINARY FOR REVIEW ONLY NOT FOR CONSTRUCTION 	
PROJECT NO. 196106001	SHEET
C1.13	

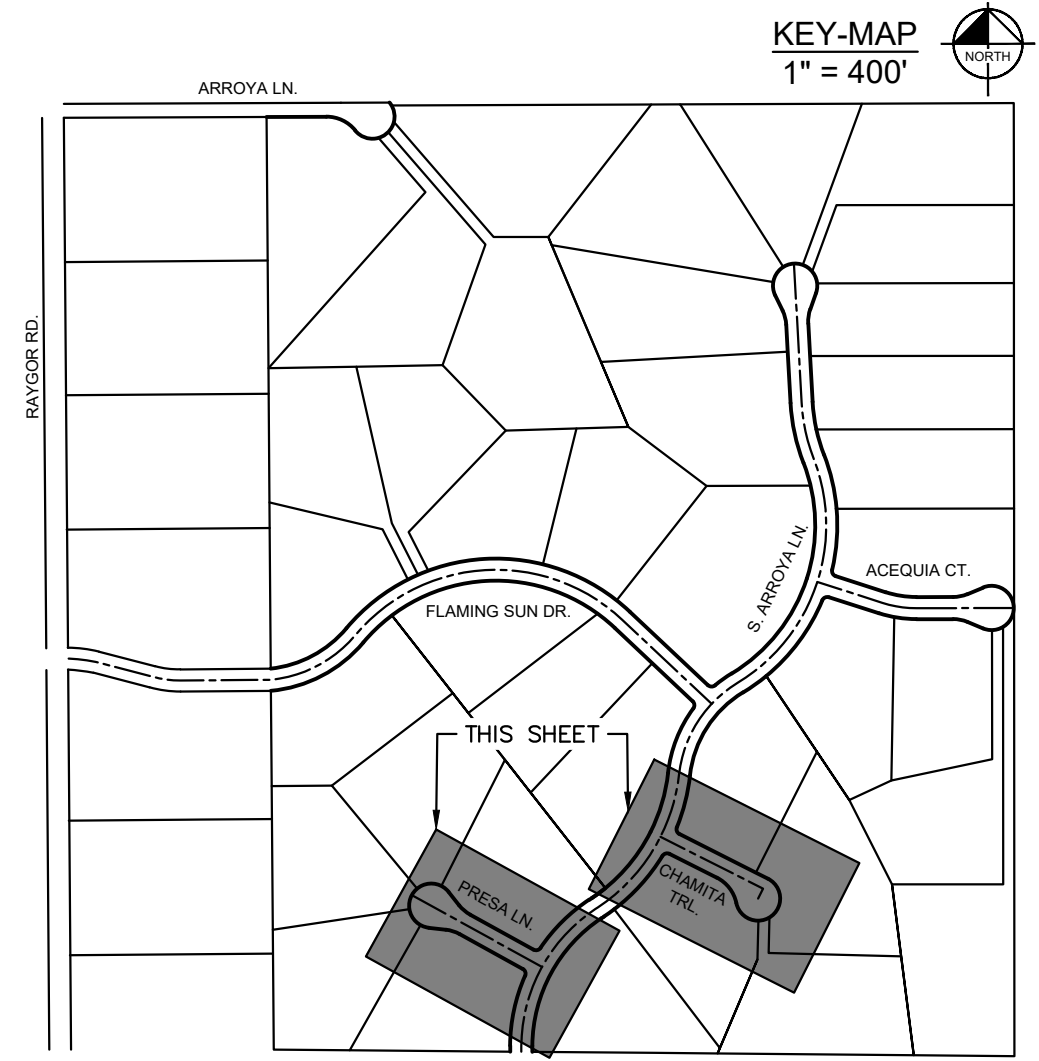
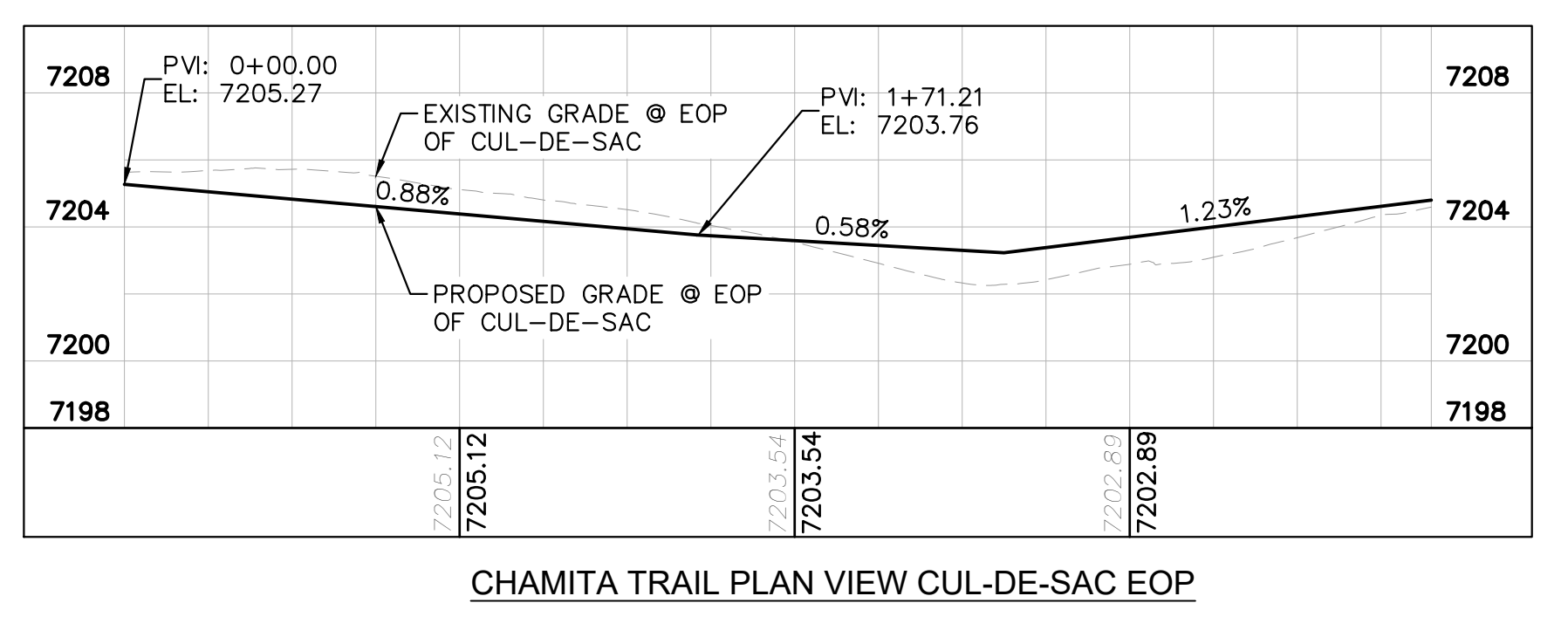
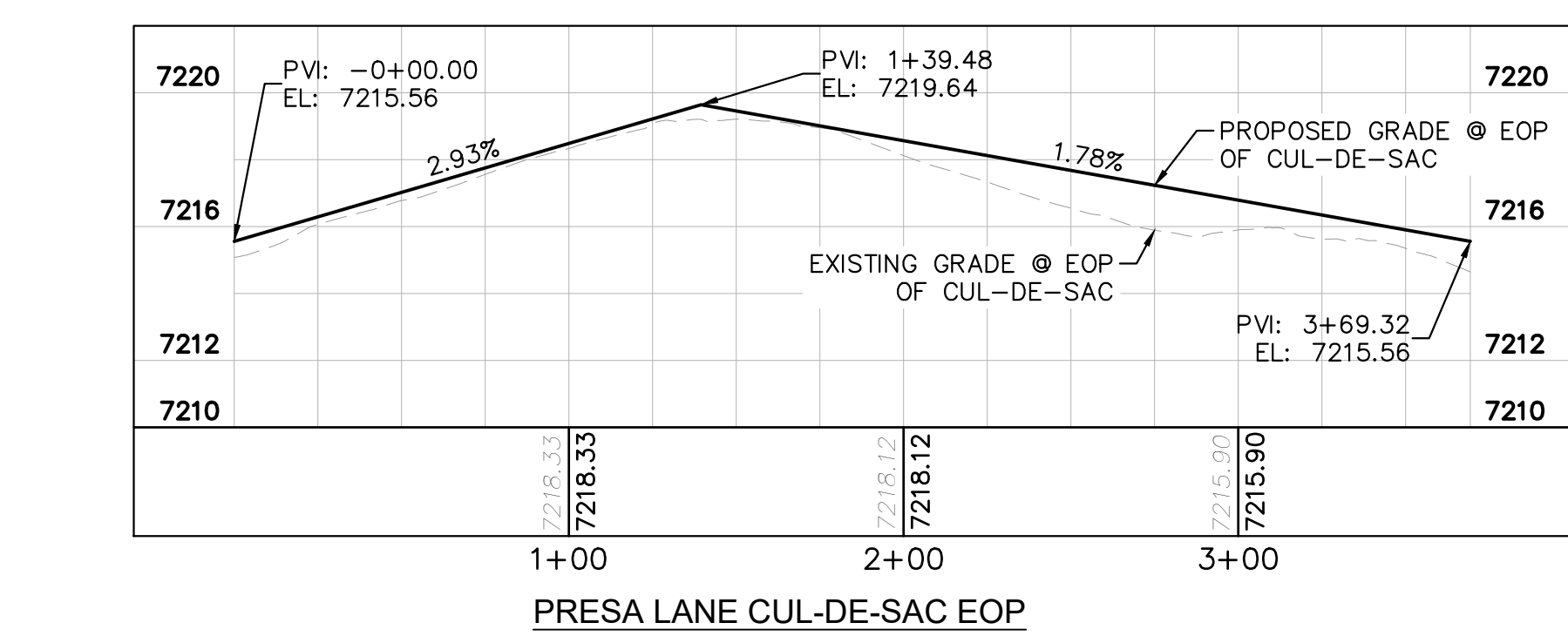
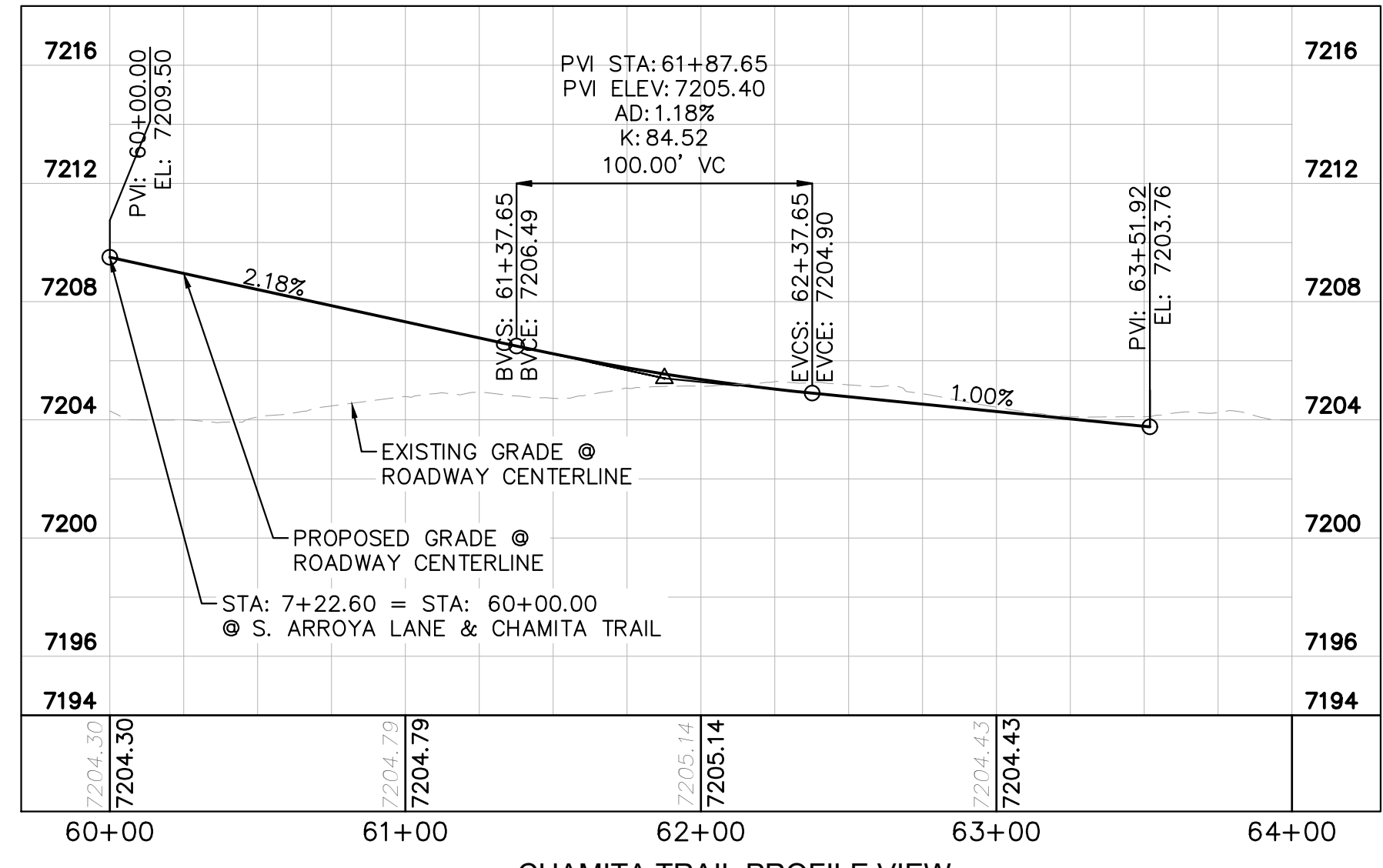
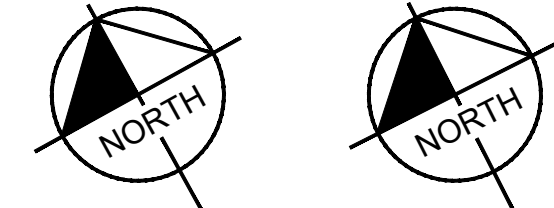
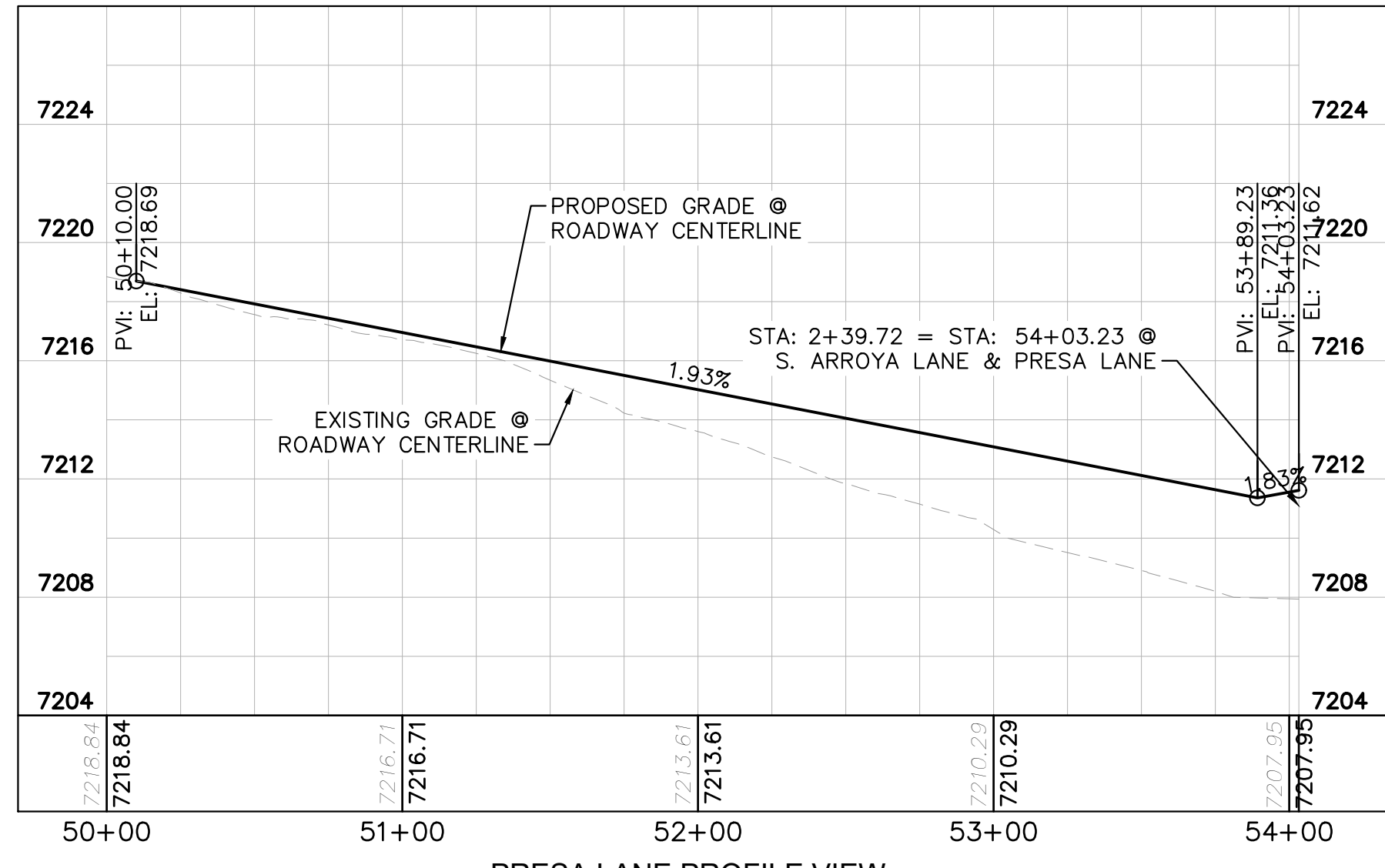
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- LEGEND**
- PROPERTY/LOT LINE
 - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT # LOT NUMBER
 - - - - - PROPOSED DRAINAGE EASEMENT
 - X X CROSS SECTION (SEE SHEET C1.1)
 - PROPOSED CULVERT
 - EXISTING CULVERT
 - - - - - EXISTING MAJOR CONTOUR
 - - - - - 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
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 DRAWN BY: MJK
 CHECKED BY: KRK
 DATE: 06/27/2024

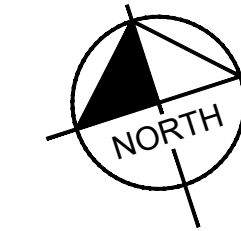
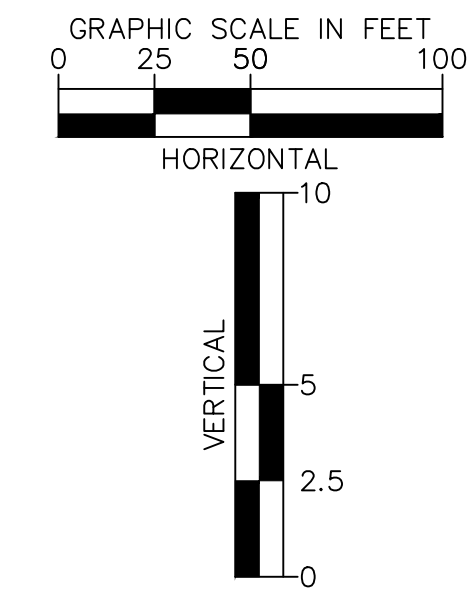
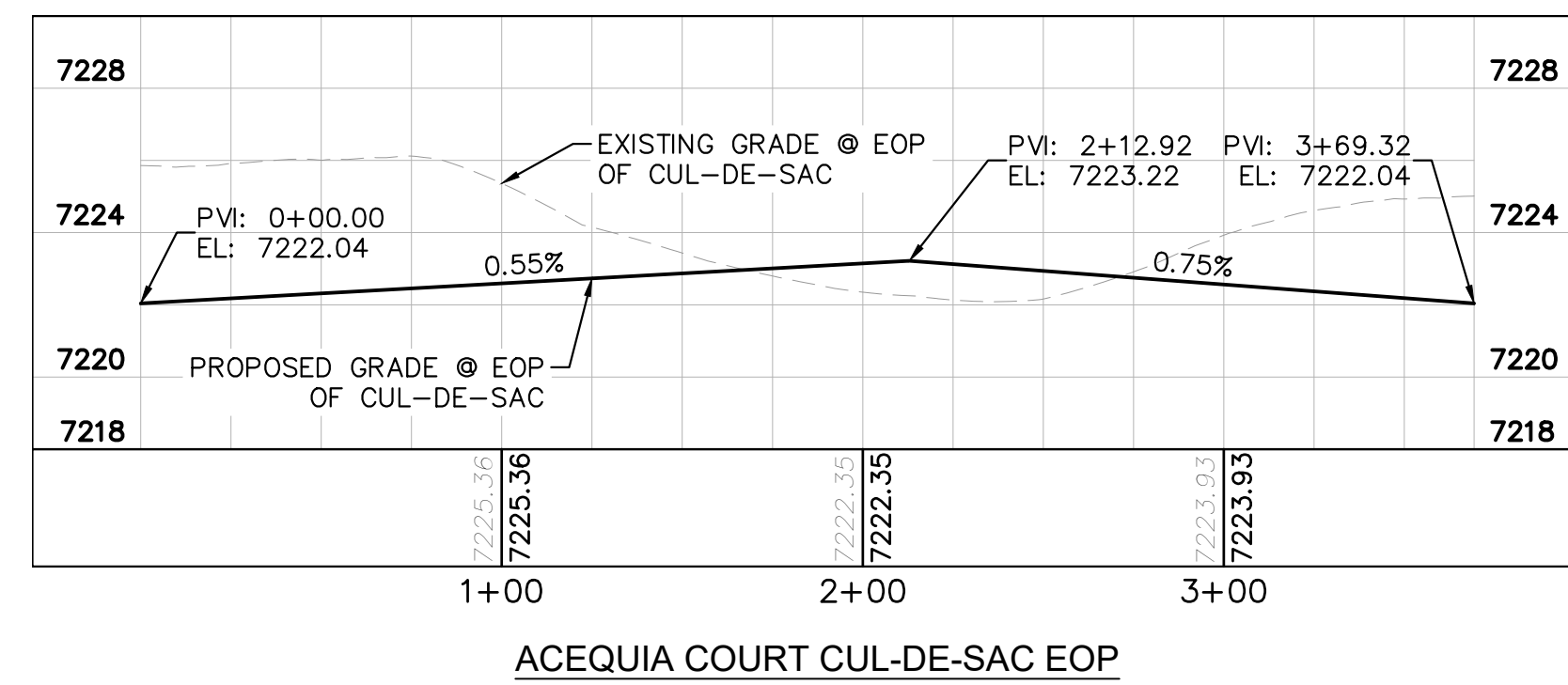
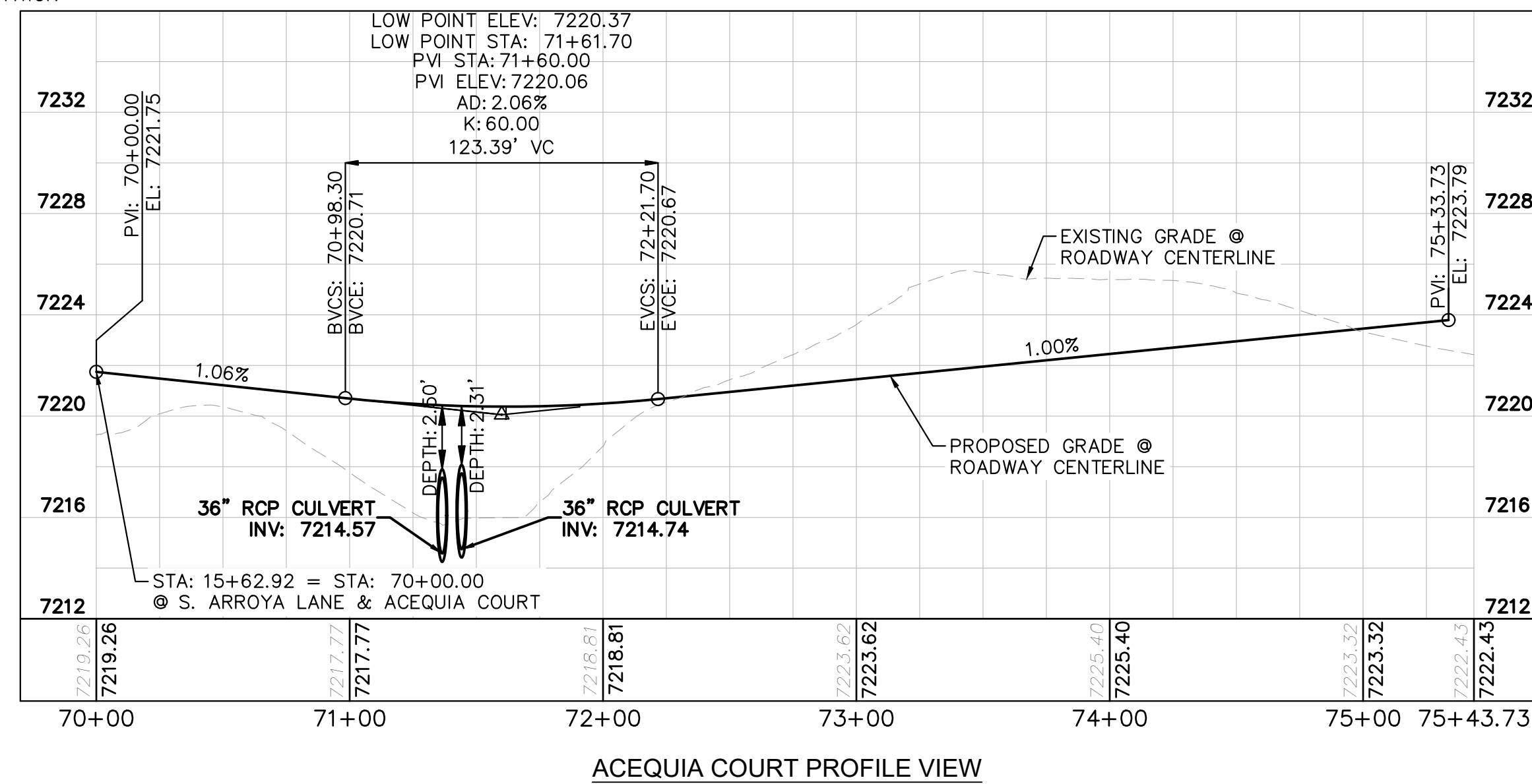
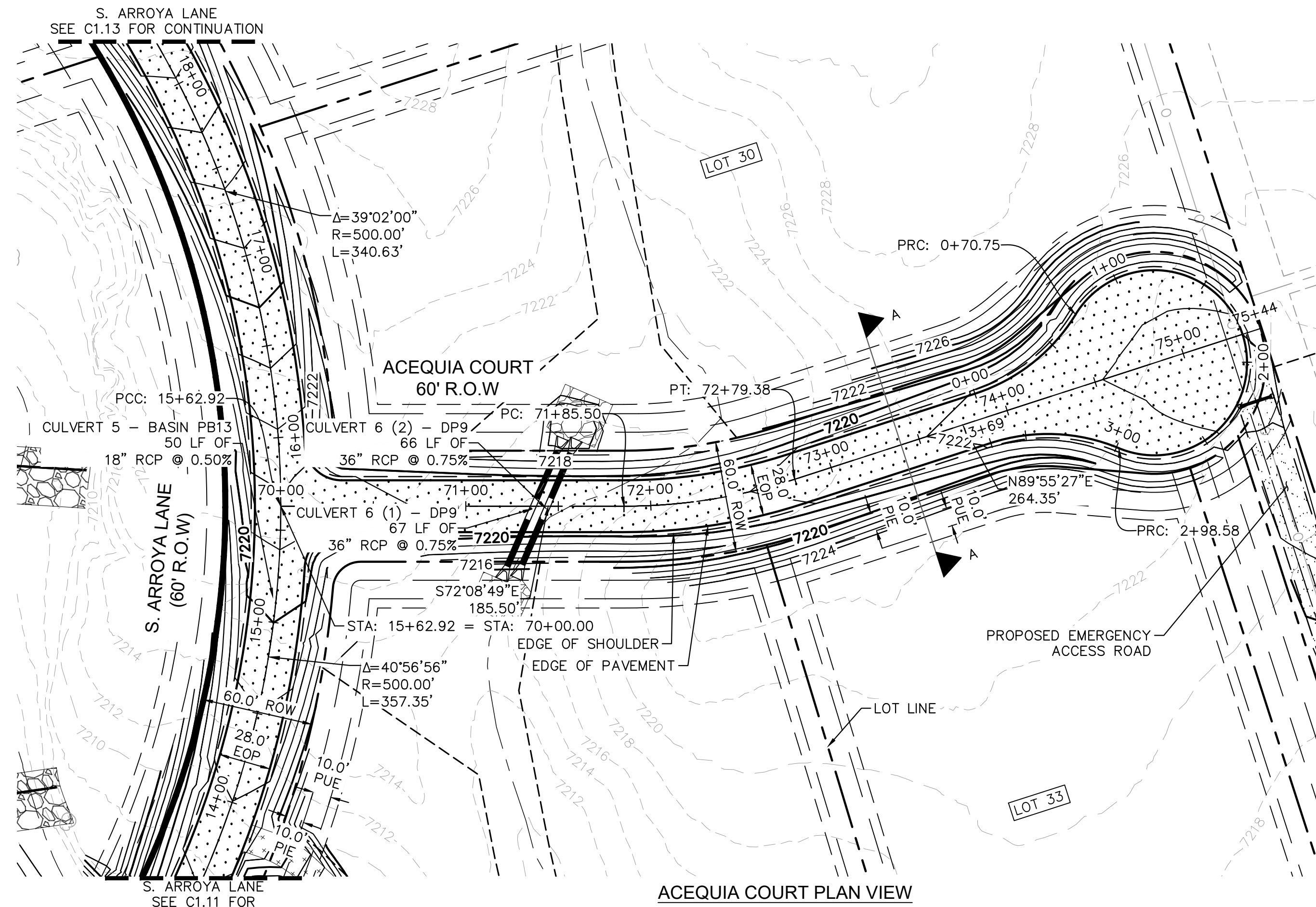
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PROJECT NO.
 196106001
 SHEET
C1.14

PCD FILE #: SF-22-42

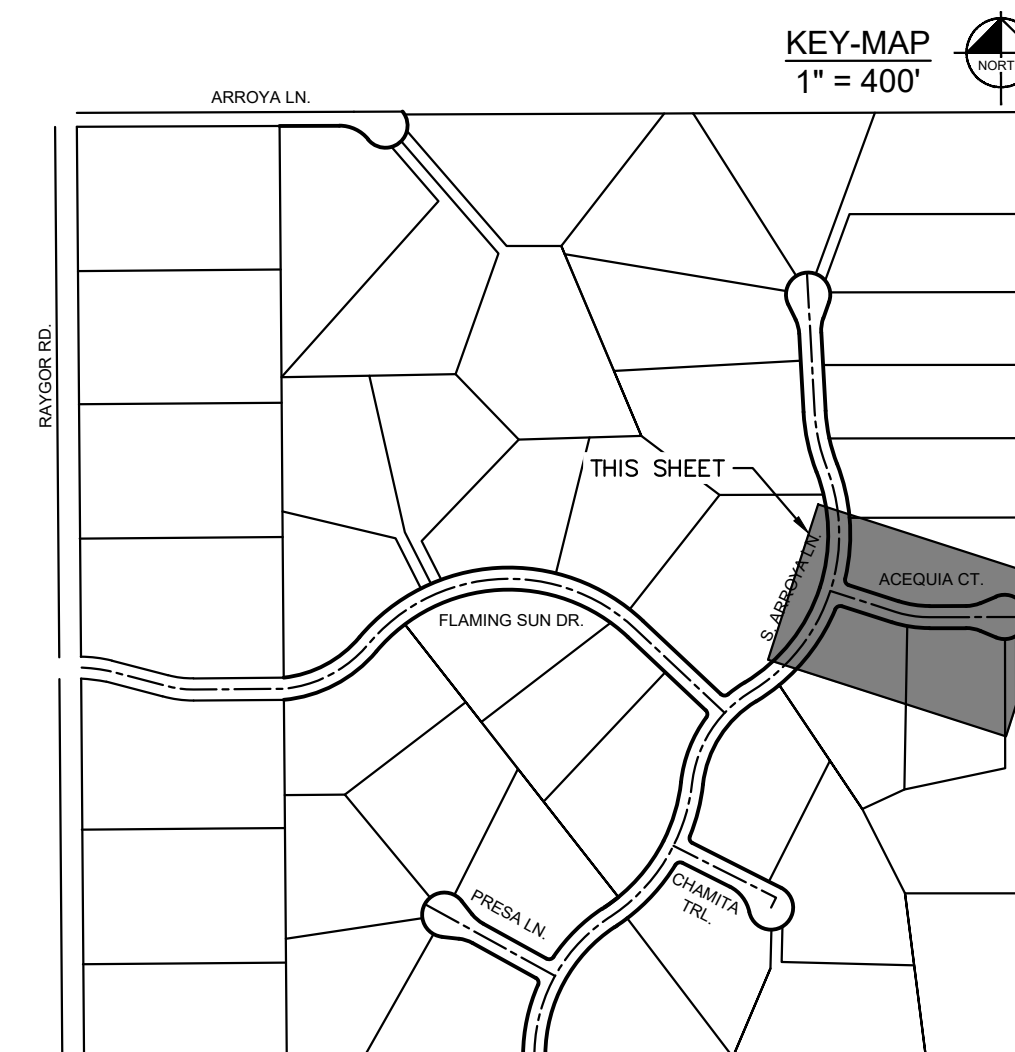
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- LEGEND**
- PROPERTY/LOT LINE
 - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT # LOT NUMBER
 - X-X- PROPOSED DRAINAGE EASEMENT
 - X X CROSS SECTION (SEE SHEET C1.1)
 - PROPOSED CULVERT
 - EXISTING CULVERT
 - 7XXX- EXISTING MAJOR CONTOUR
 - 7XXX- EXISTING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

NOTES

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2. PIE = PUBLIC IMPROVEMENT EASEMENT
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 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

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ACEQUIA CT. PLAN & PROFILE

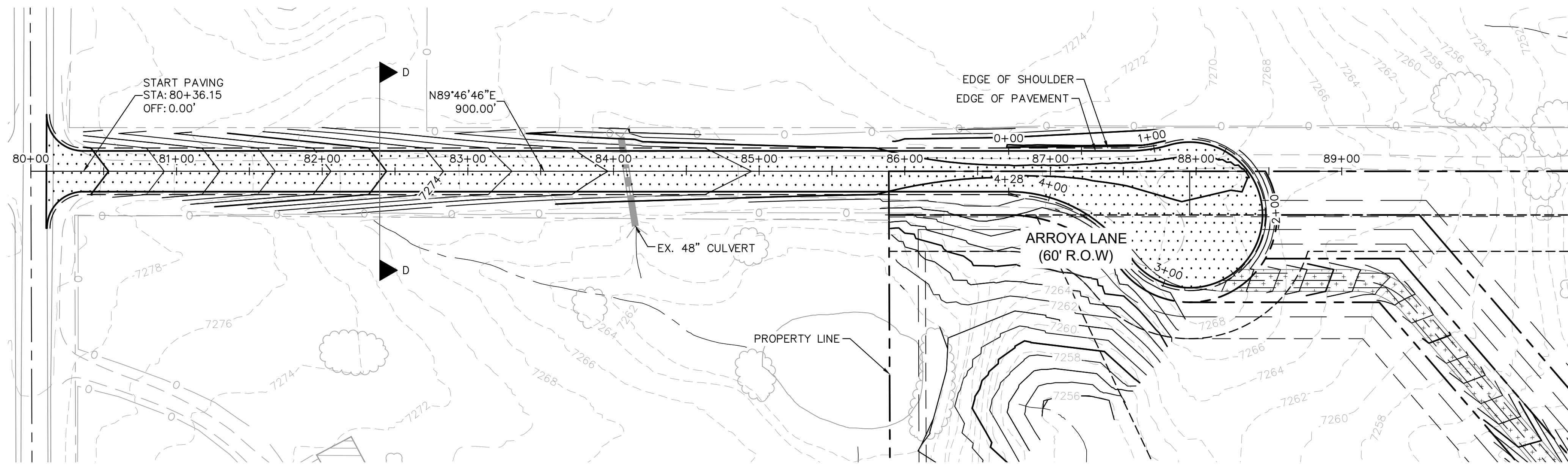
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PROJECT NO.
 196106001
 SHEET

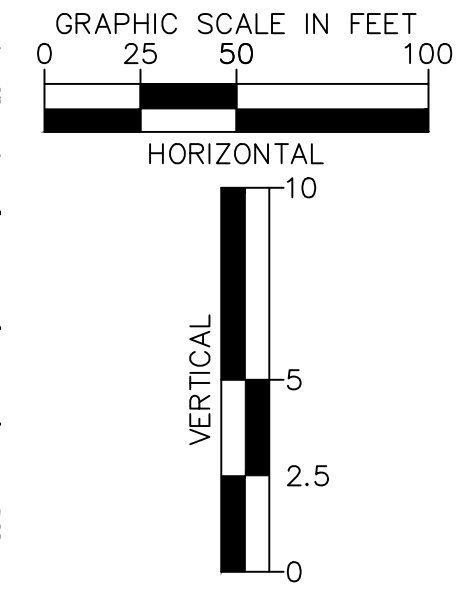
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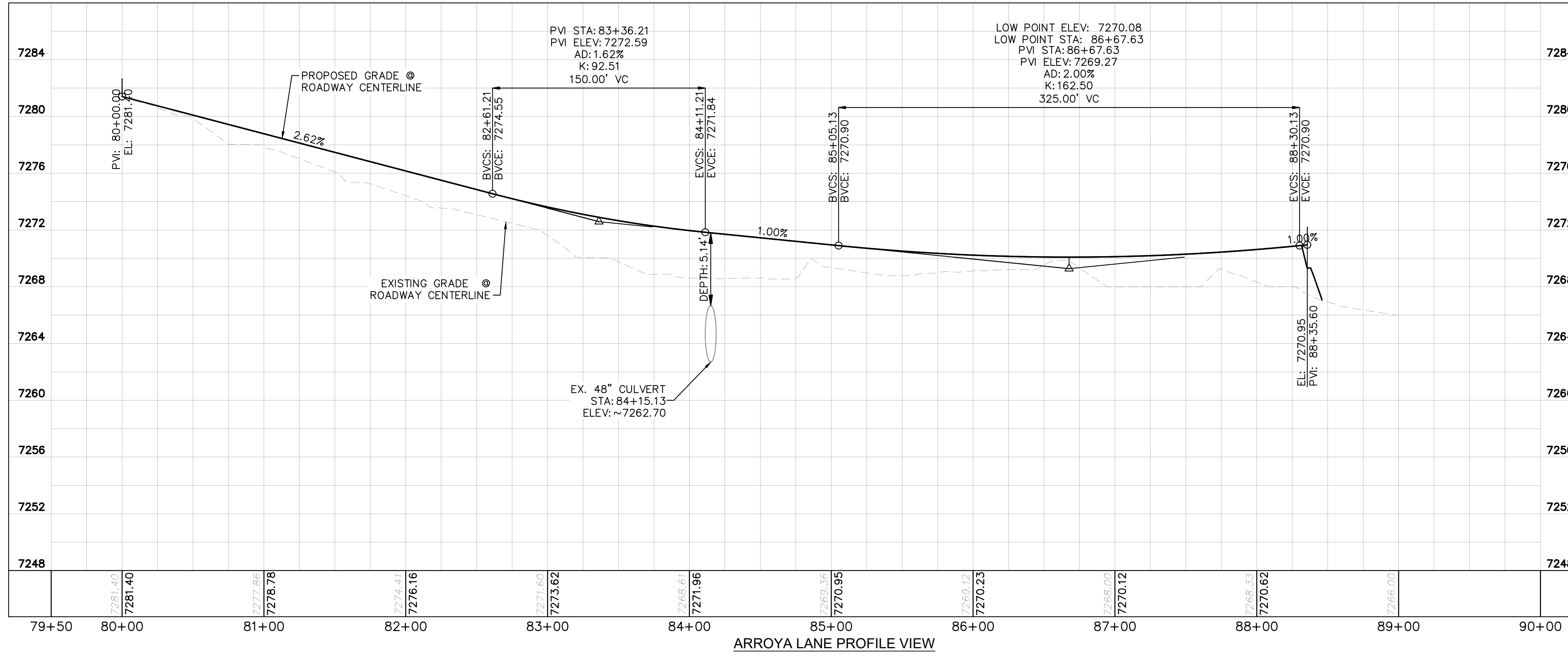
ARROYA LANE PLAN VIEW



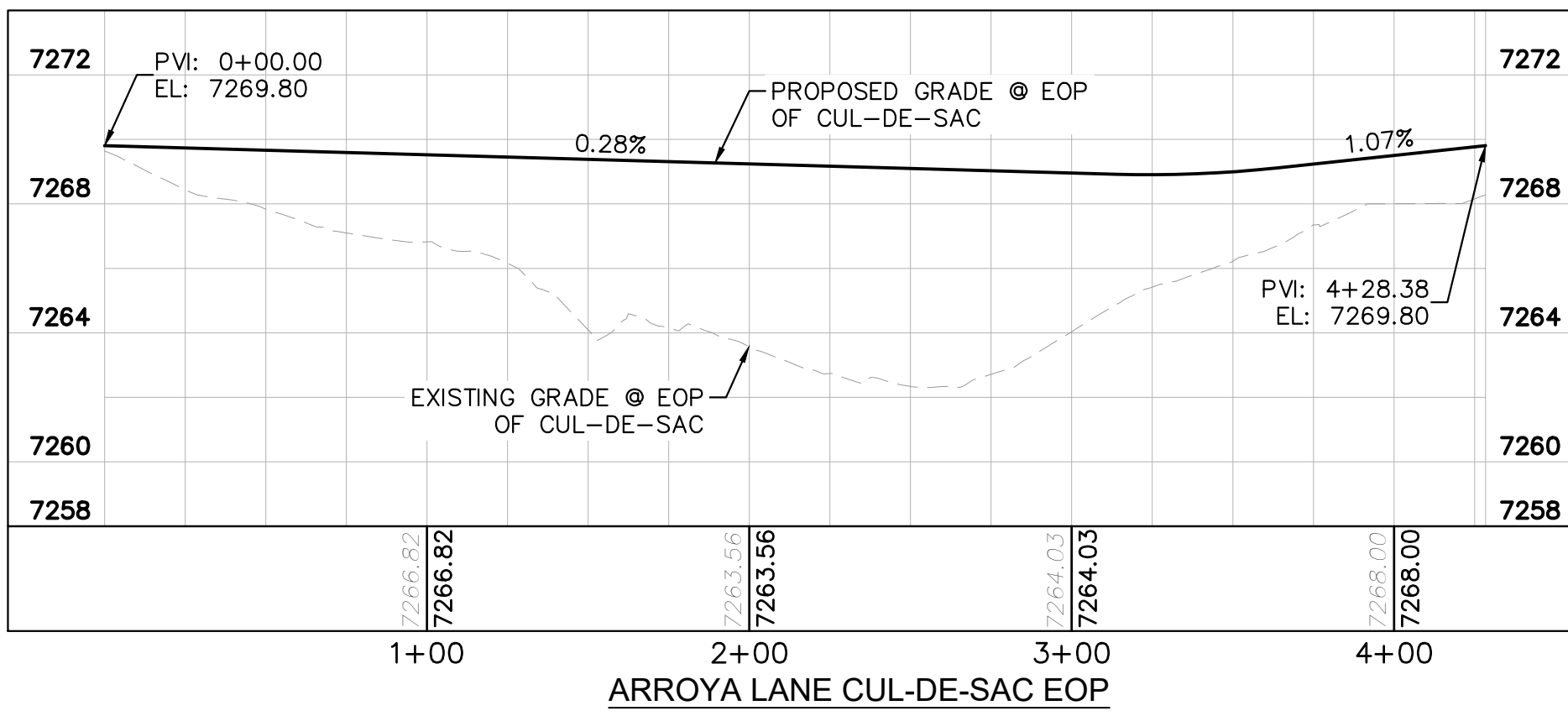
- LEGEND**
- PROPERTY/LOT LINE
 - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT # LOT NUMBER
 - X-X- PROPOSED DRAINAGE EASEMENT
 - X X CROSS SECTION (SEE SHEET C1.1)
 - PROPOSED CULVERT
 - EXISTING CULVERT
 - 7XXX- EXISTING MAJOR CONTOUR
 - 7XXX- EXISTING MINOR CONTOUR
 - 7XXX PROPOSED MAJOR CONTOUR
 - 7XXX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

NOTES

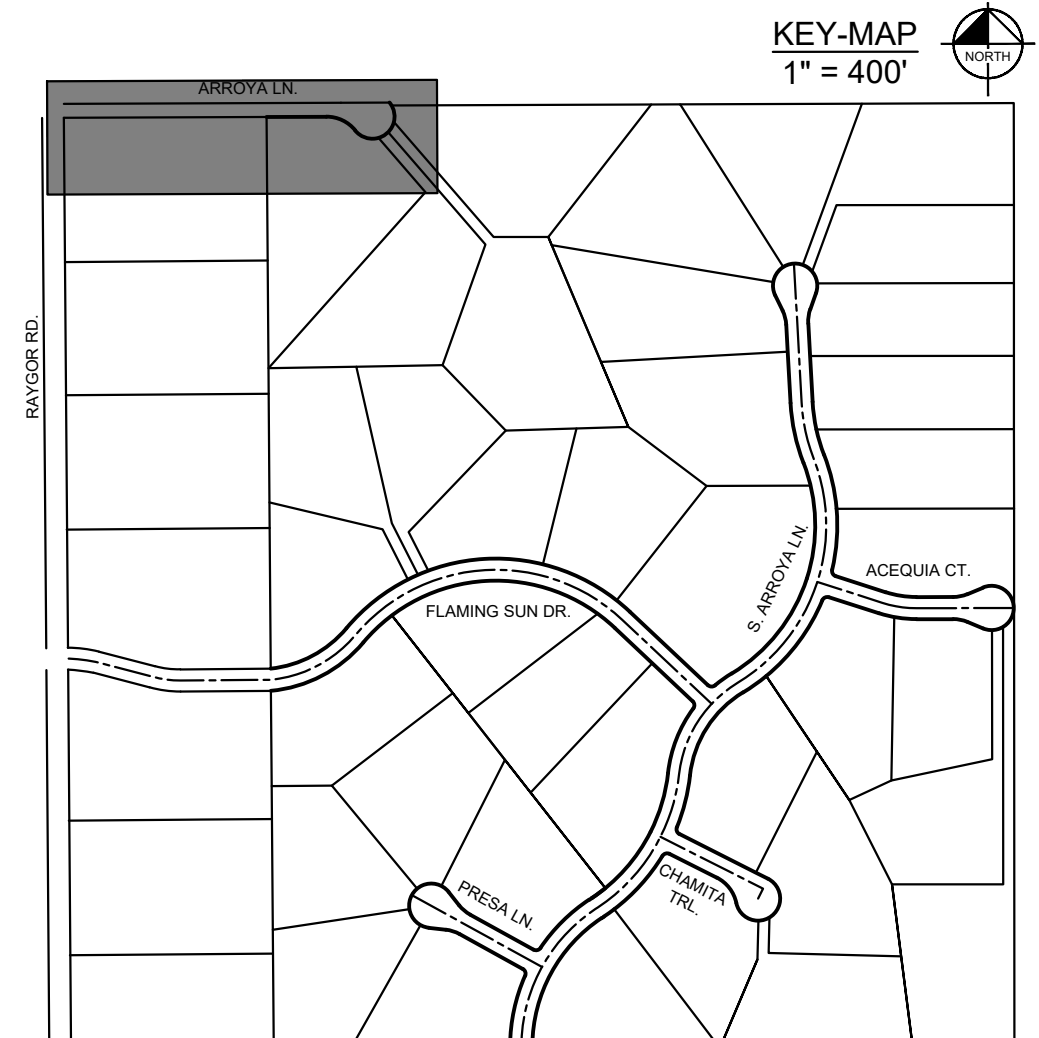
1. SEE SHEET C1.1 FOR TYPICAL ROADWAY SECTIONS AND ROADSIDE DITCH CONFIGURATIONS AS LABELED IN PLAN VIEW.
2. PIE = PUBLIC IMPROVEMENT EASEMENT
3. PUE = PUBLIC UTILITY EASEMENT



ARROYA LANE PROFILE VIEW



ARROYA LANE CUL-DE-SAC EOP



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

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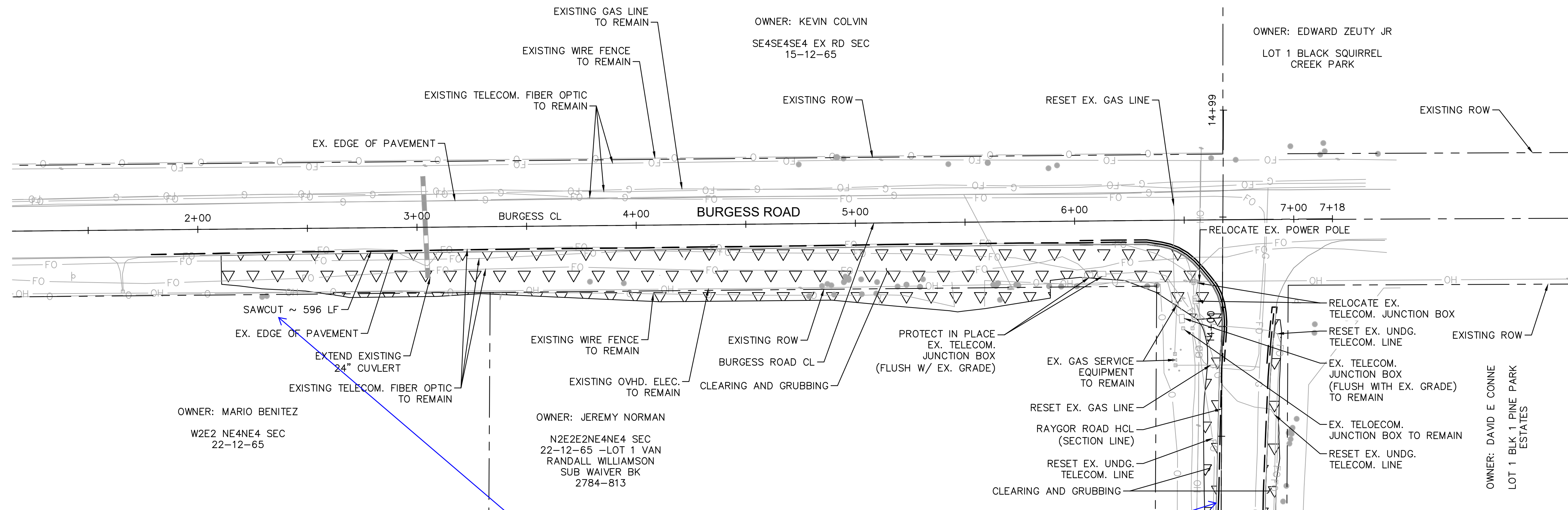
PROJECT NO.
 196106001

SHEET

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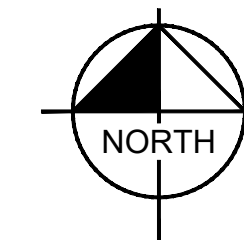
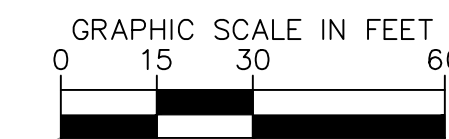
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- LEGEND**
- PROPERTY/LOT LINE
 - ROW LINE
 - SAWCUT (1.0' OFF EXISTING EDGE OF PAVEMENT)
 - EX. CULVERT
 - EX. TELECOM. FIBER OPTIC
 - x x EX. GAS LINE
 - EX. OVHD ELECTRIC
 - o EX. WIRE FENCE
 - ▽▽▽▽▽ CLEARING AND GRUBBING

KH Response:
Dimension shown in legend. 1.0' off edge of pavement.

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



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BURGESS REMOVE & RESET PLAN

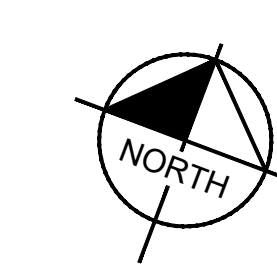
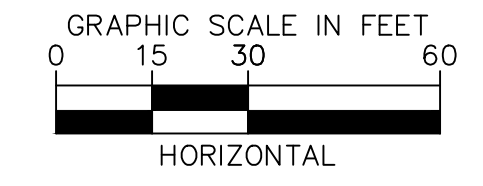
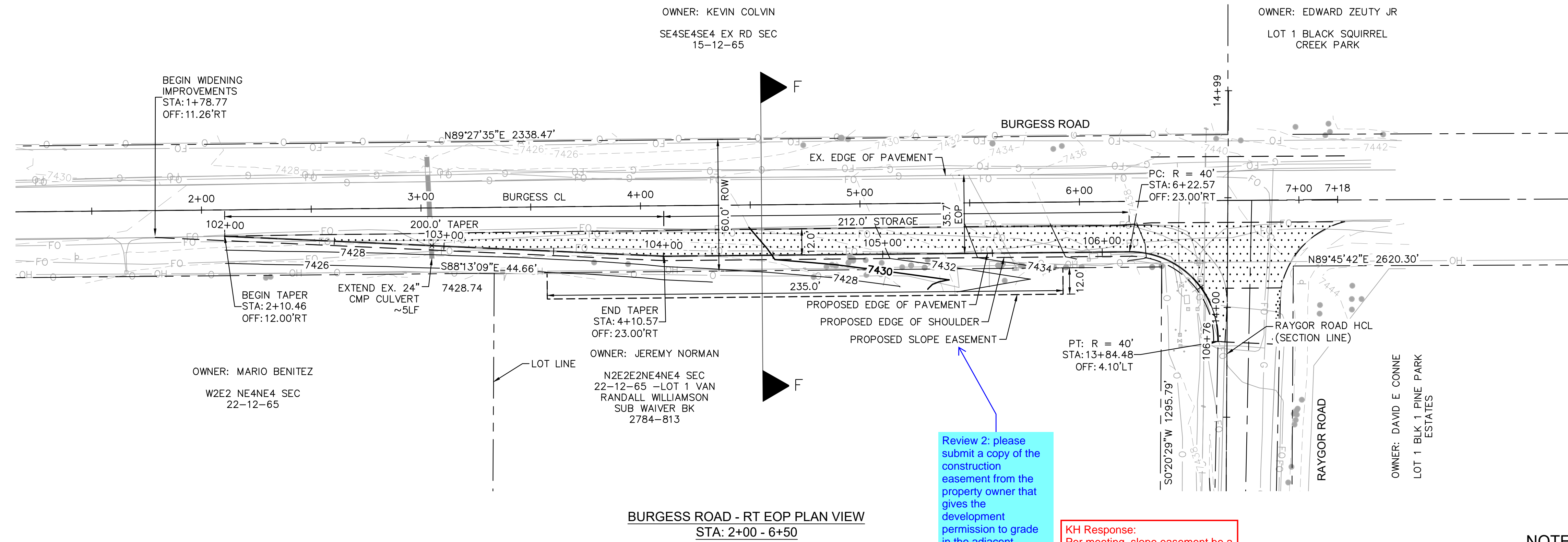
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SHEET

C1.17

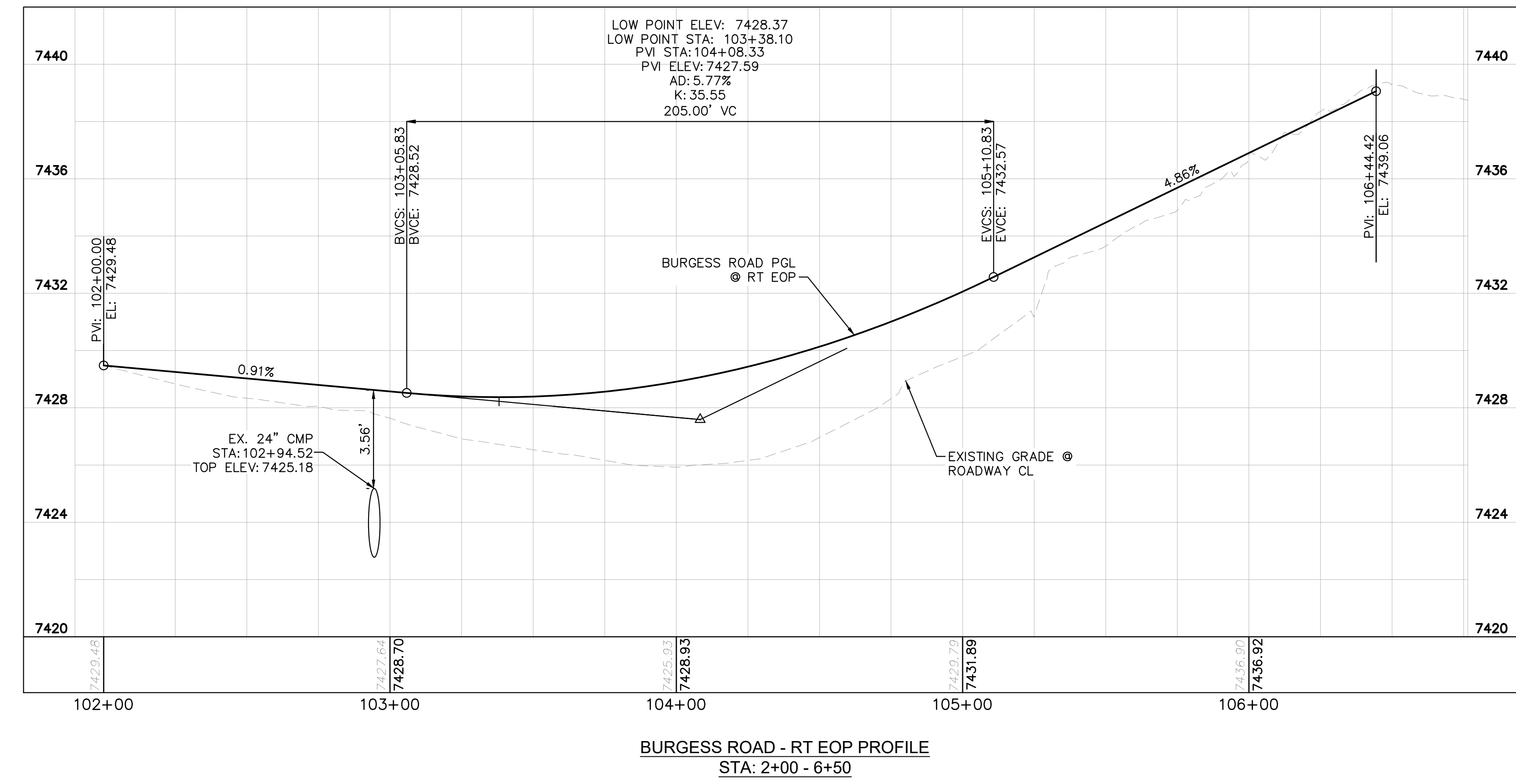
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LEGEND

- 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



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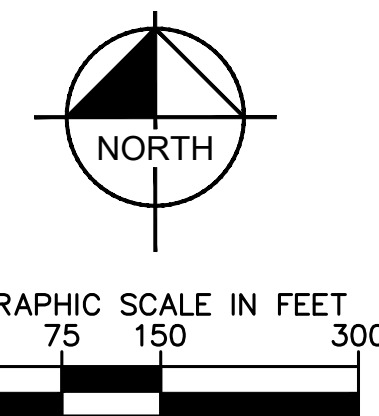
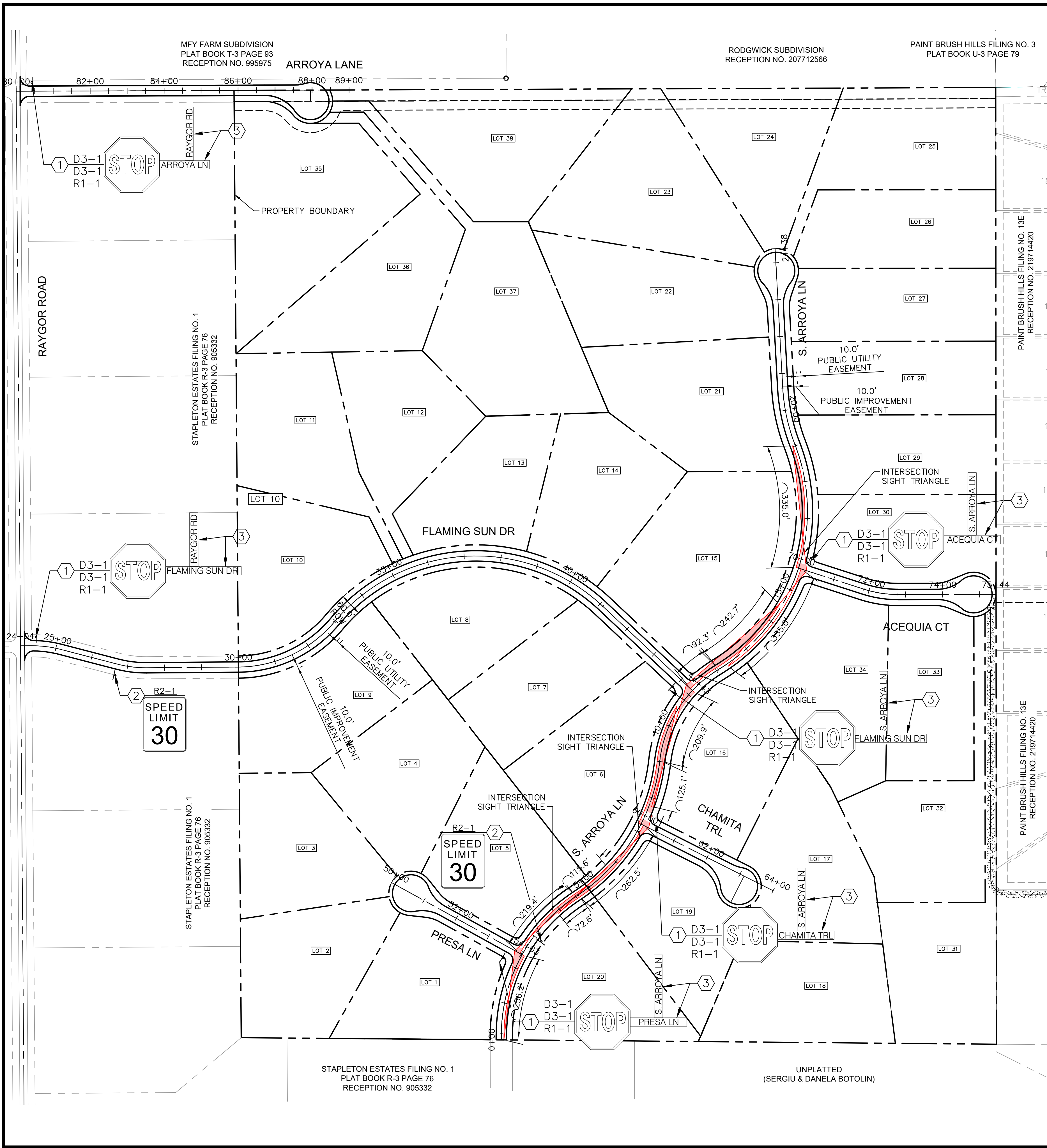
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PROJECT NO.
196106001

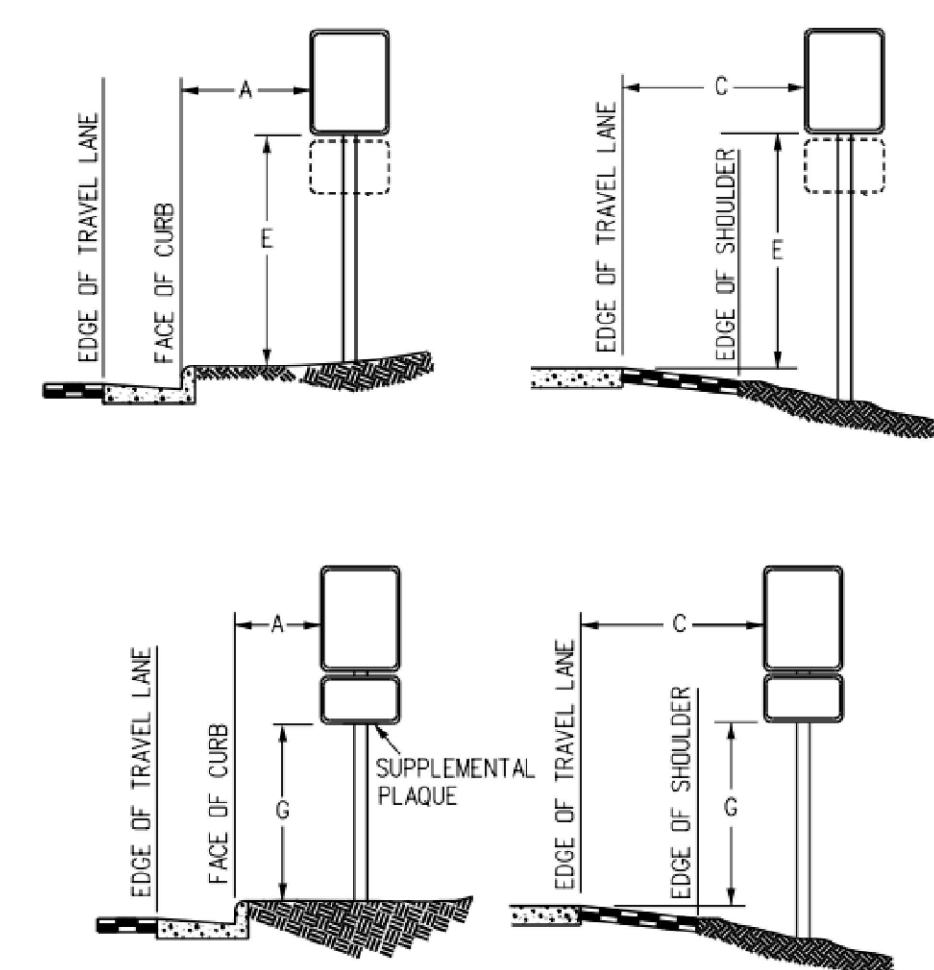
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- LEGEND**
- — — — — PROPERTY LINE
 - - - - - PROPOSED EASEMENT
 - SIGHT TRIANGLE
 - PROPOSED ROADWAY SIGN
 - ① PROPOSED R1-1 SIGN (30" x 30")
 - ② PROPOSED R2-1 SIGN (24" x 30")
 - ③ PROPOSED D3-1 SIGN (8" x VARIES)



REGULATORY, RECREATIONAL AND CULTURAL INFORMATION SIGN PLACEMENT

SIGNING AND STRIPING NOTES

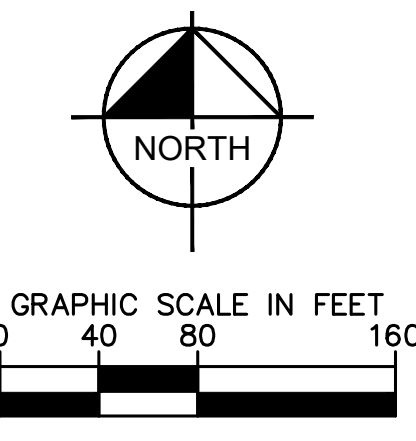
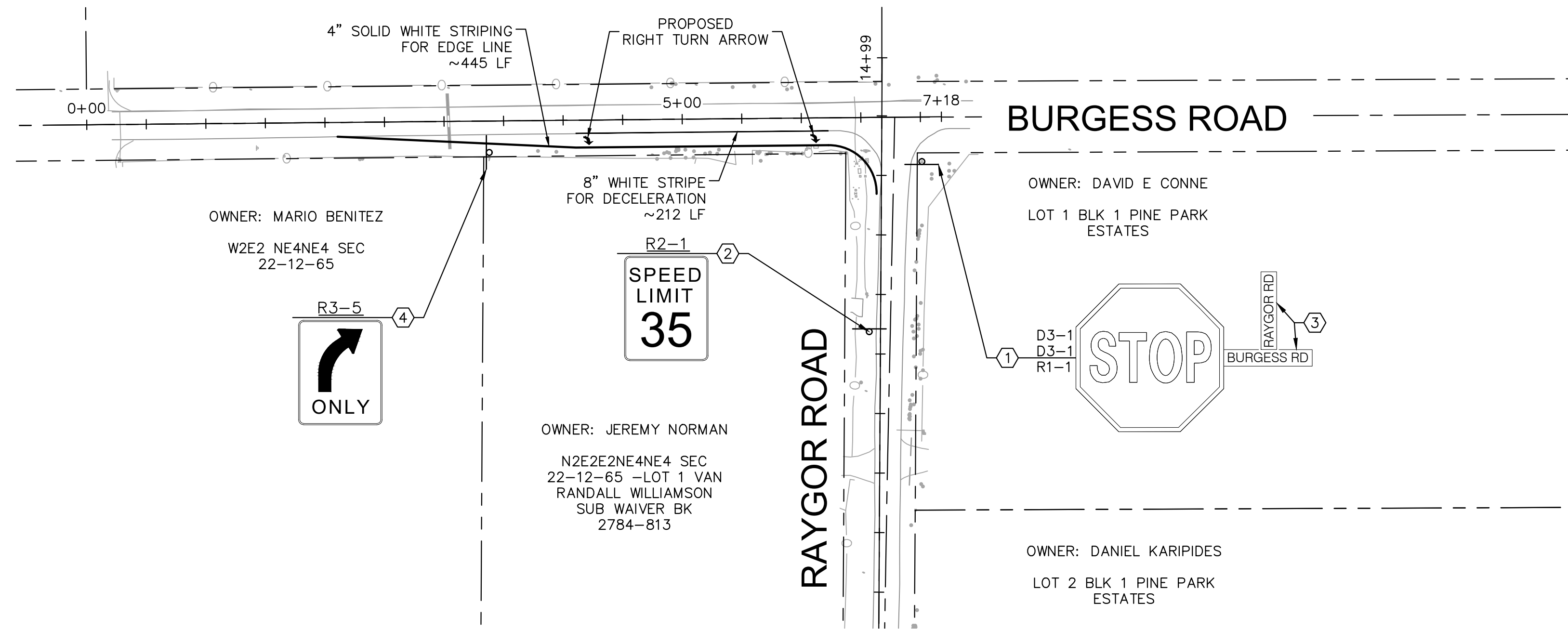
1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT 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.

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"
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"
			F	8'-0" OR NOTE NO. 9	12'-0"	8'-0"	9'-0"	5'-0"
			G	6'-0"	7'-0"	8'-0"	7'-0"	4'-0"
H	5'-0"		10'-0"	8'-0"	7'-0"	4'-0"	7'-0"	

<p>Kimley»Horn</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 & 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> <th>APPR.</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	REVISION	BY	DATE	APPR.					
NO.	REVISION	BY	DATE	APPR.							
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<p>PROJECT NO. 196288000</p> <p>SHEET C1.19</p>											

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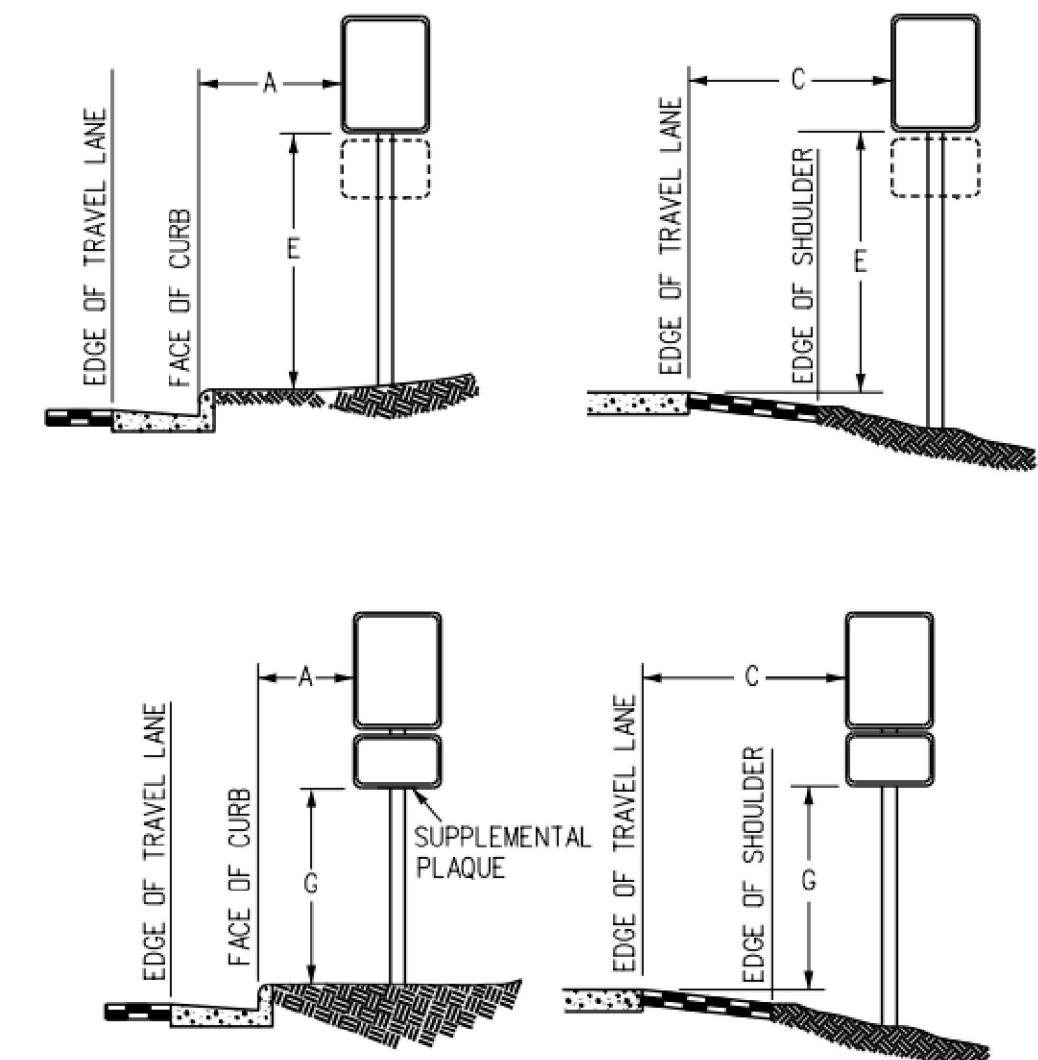


LEGEND

- 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")

SIGNING AND STRIPING NOTES

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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.	URBAN		RURAL		
					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"
B	2'-0"	30'-0" OR MORE INCLUDES CURB	E	7'-0"	8'-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.	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"

Kimley»Horn
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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

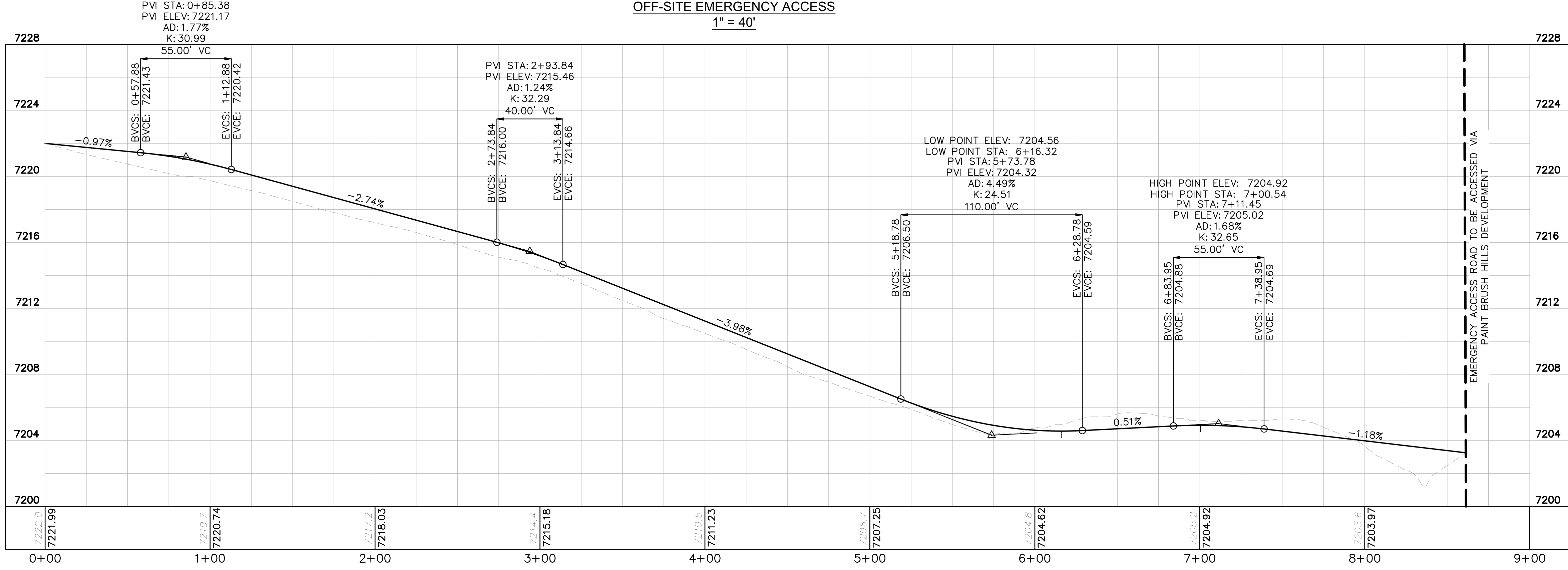
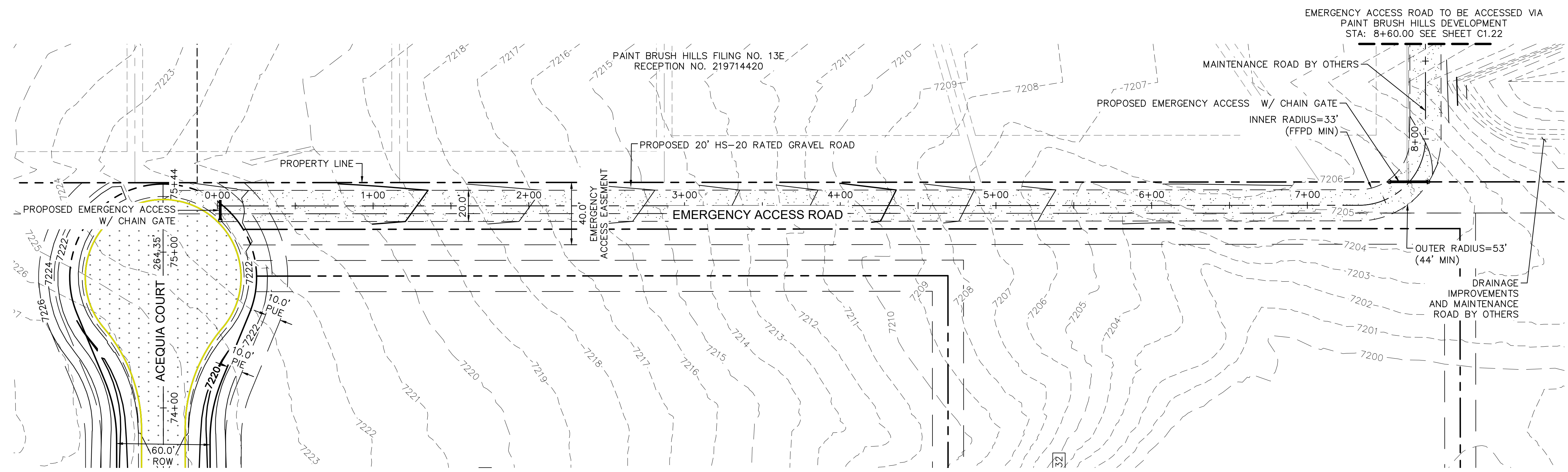
EAGLEVIEW
EL PASO COUNTY, COLORADO
PRE DEVELOPMENT GESC PLAN
OFF-SITE STRIPING & SIGNAGE PLAN

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PROJECT NO.
196288000
SHEET
C1.20

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

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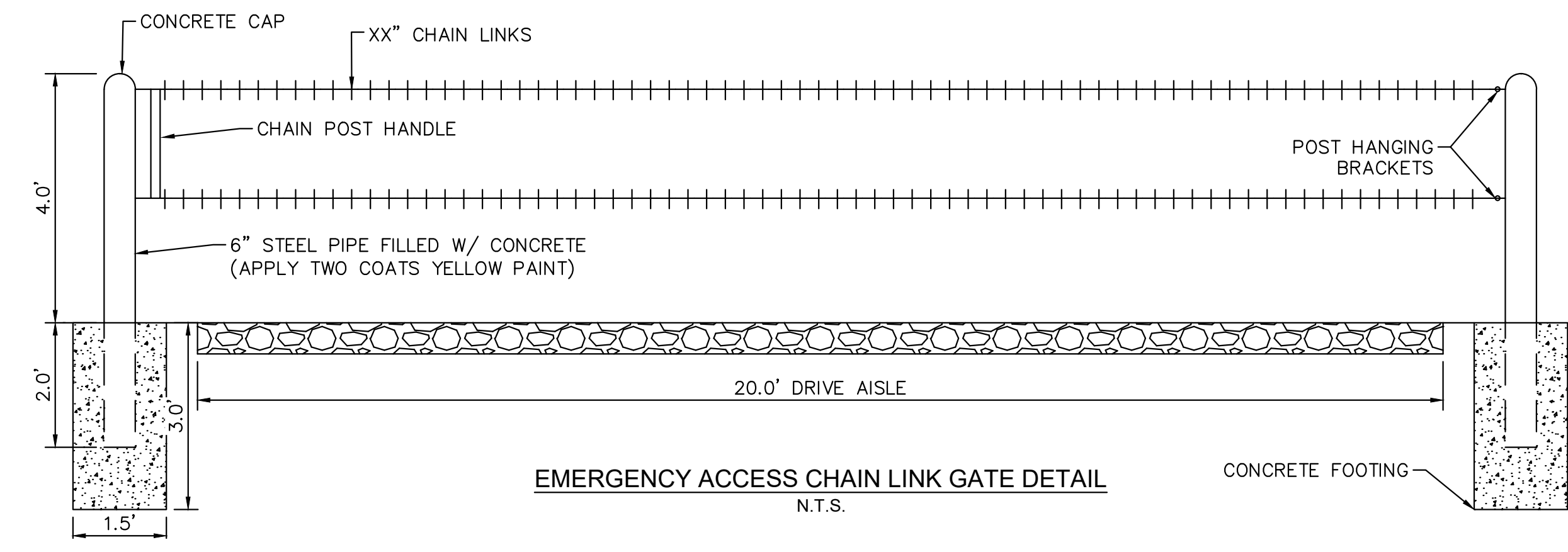
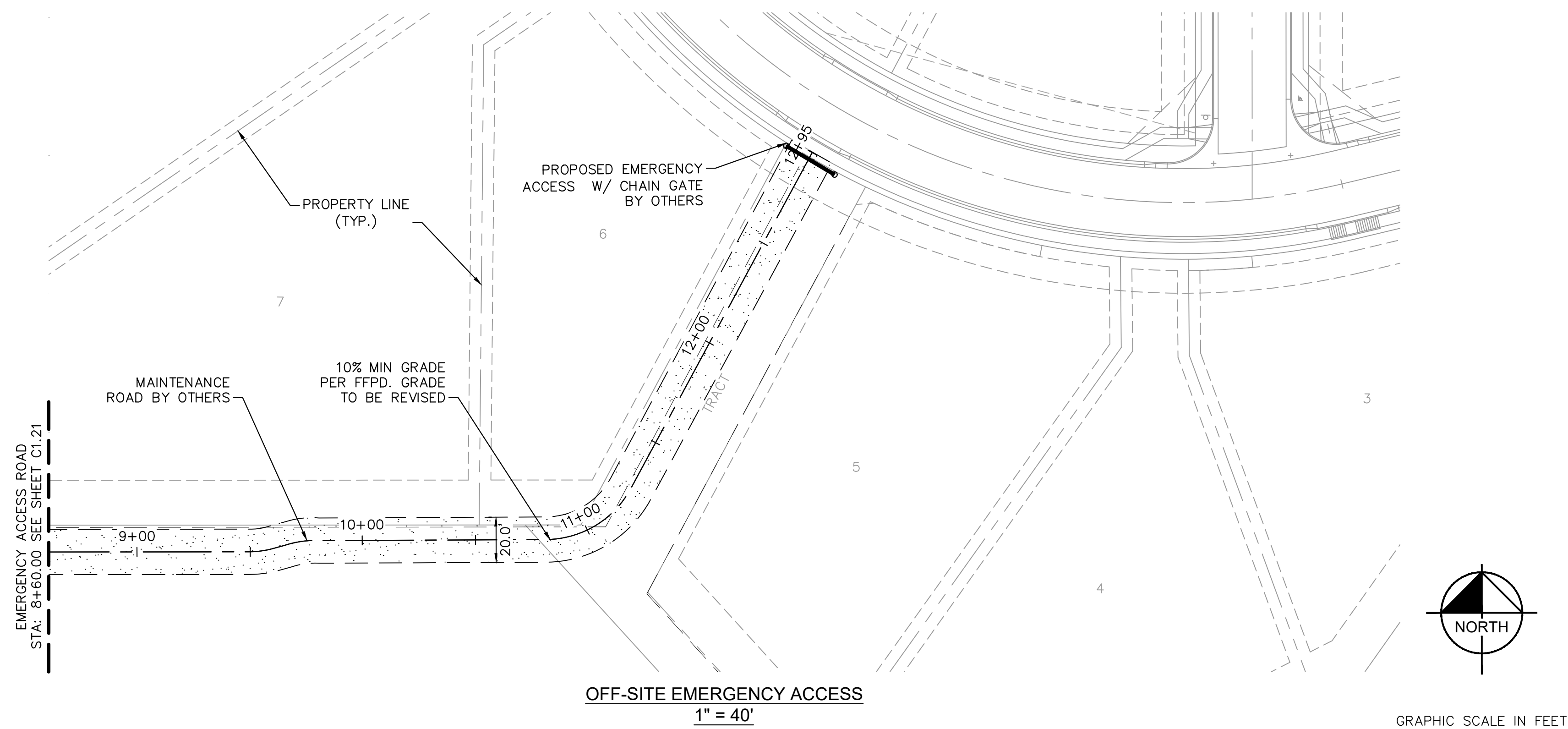
EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
EMERGENCY ACCESS ROAD PLAN & PROFILE

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PROJECT NO.
196106001
SHEET

C1.21

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 OFFSITE EMERGENCY ACCESS ROAD

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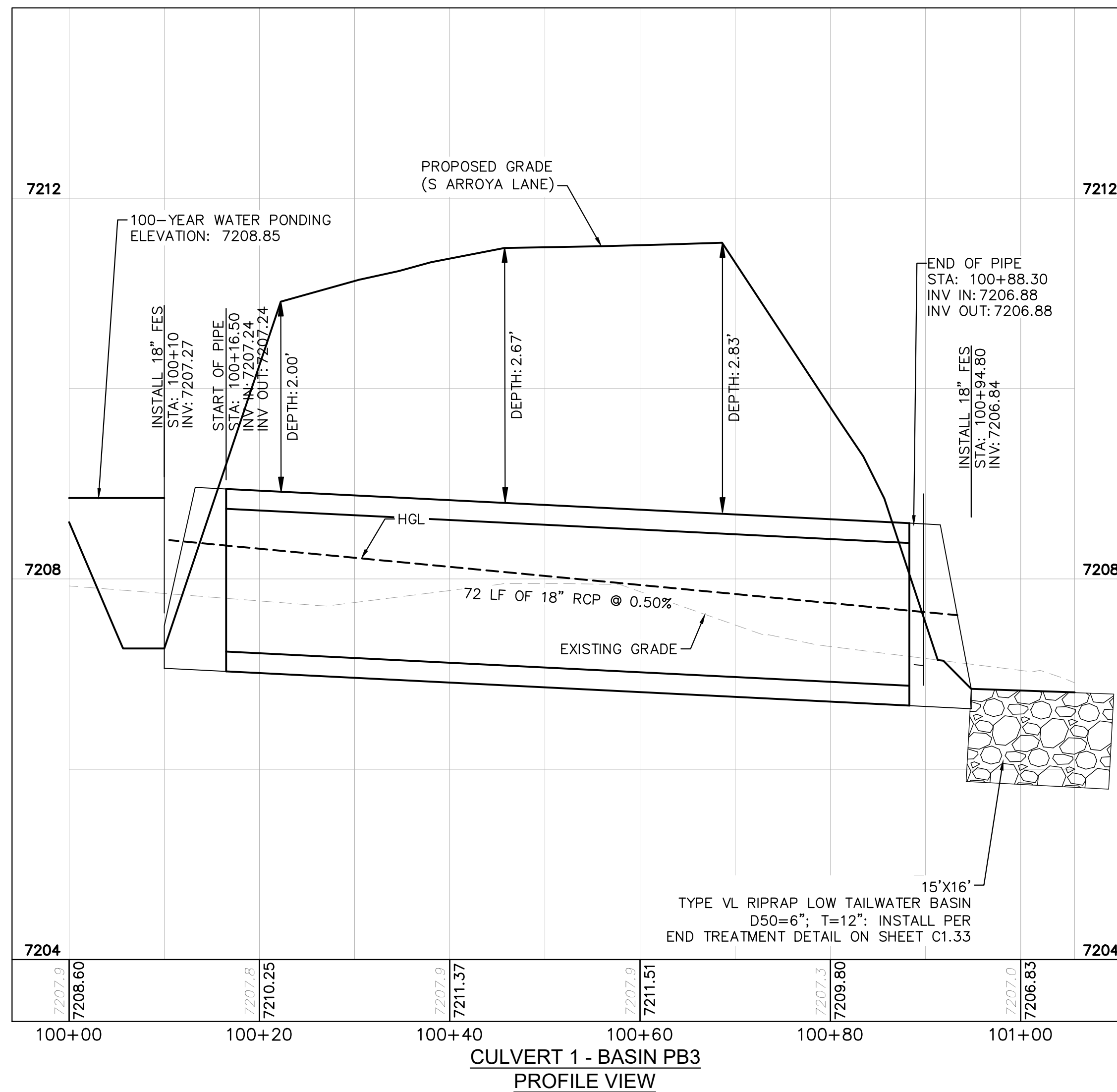
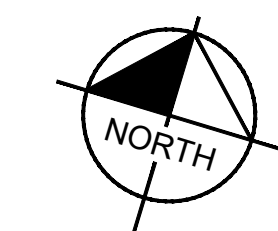
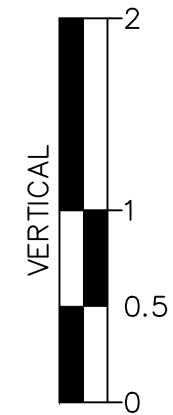
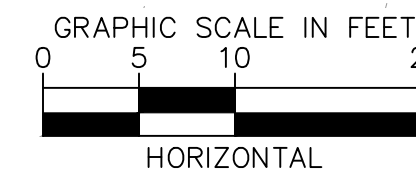
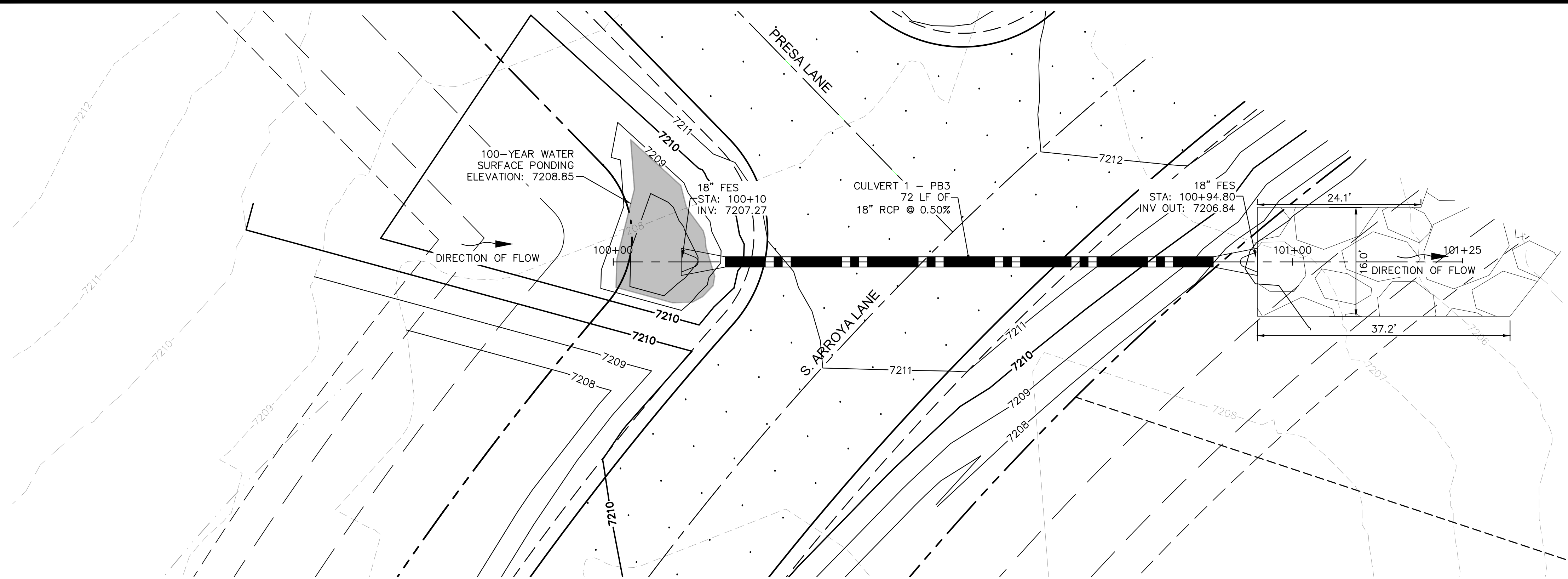
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CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES



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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DATE: 06/27/2024

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CONSTRUCTION DOCUMENTS
CULVERT PLAN AND PROFILE

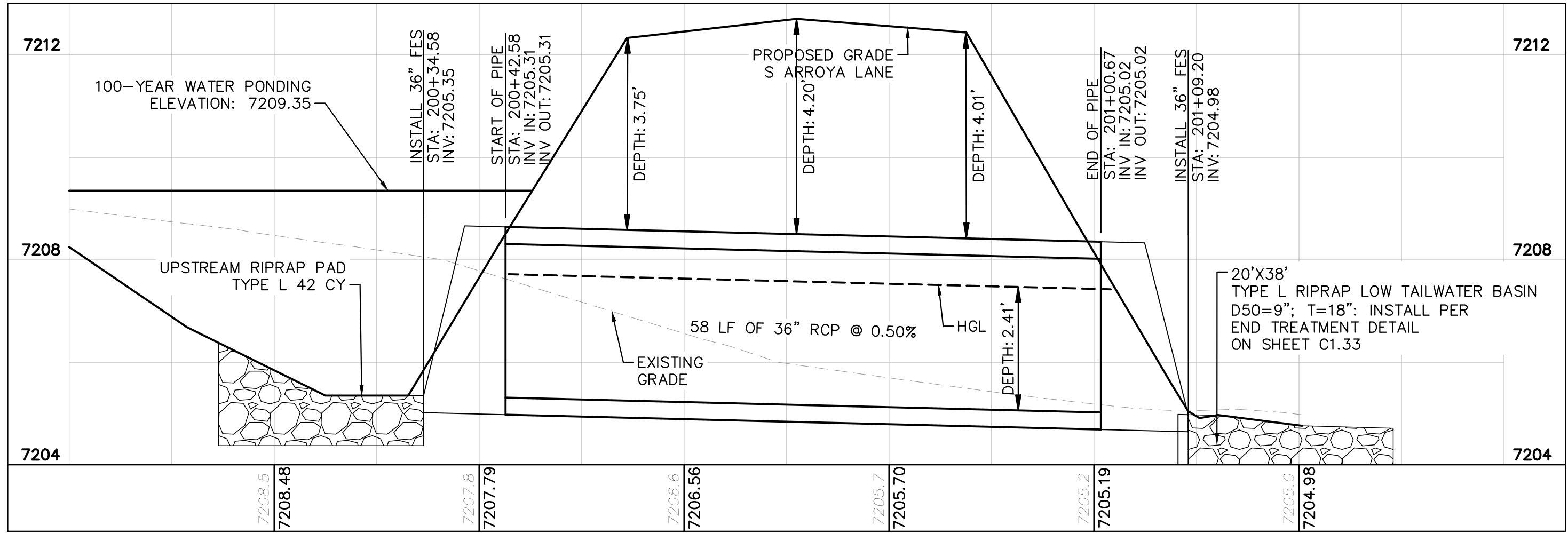
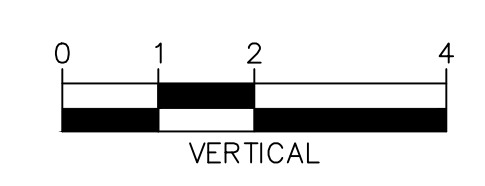
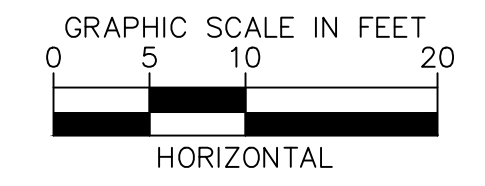
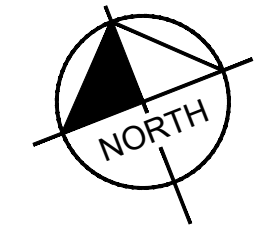
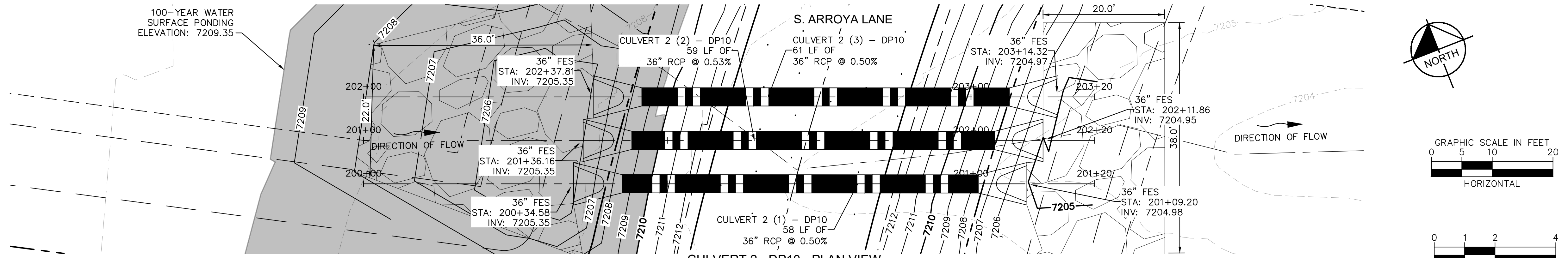
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PROJECT NO.
196106001

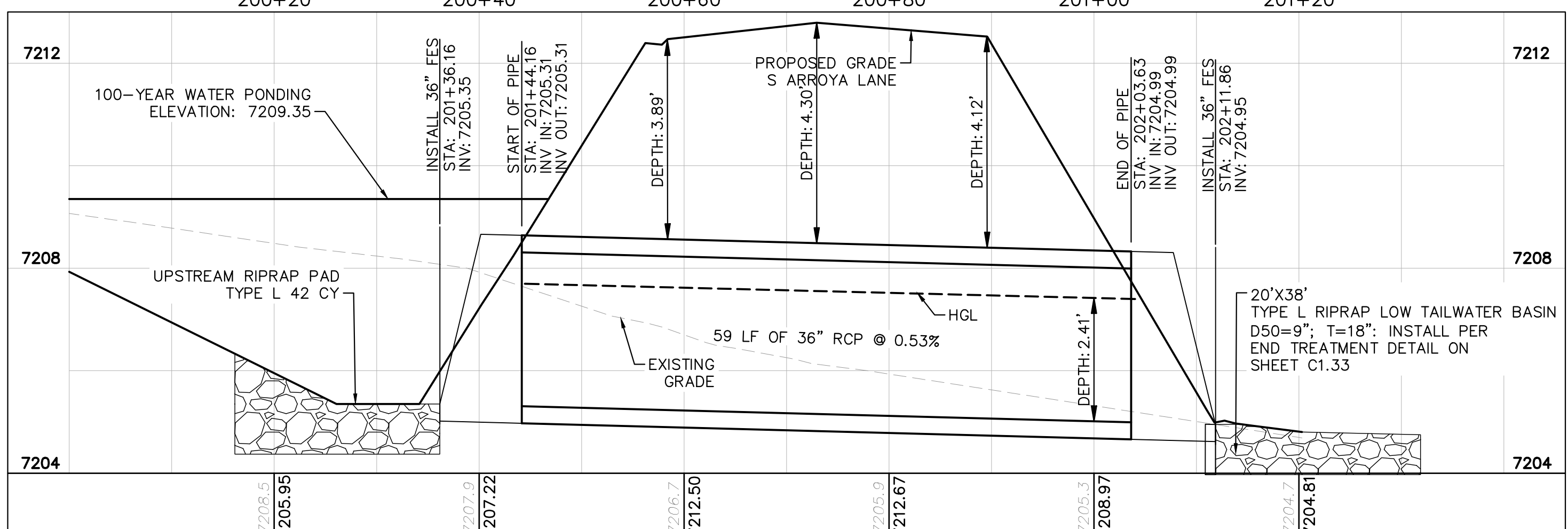
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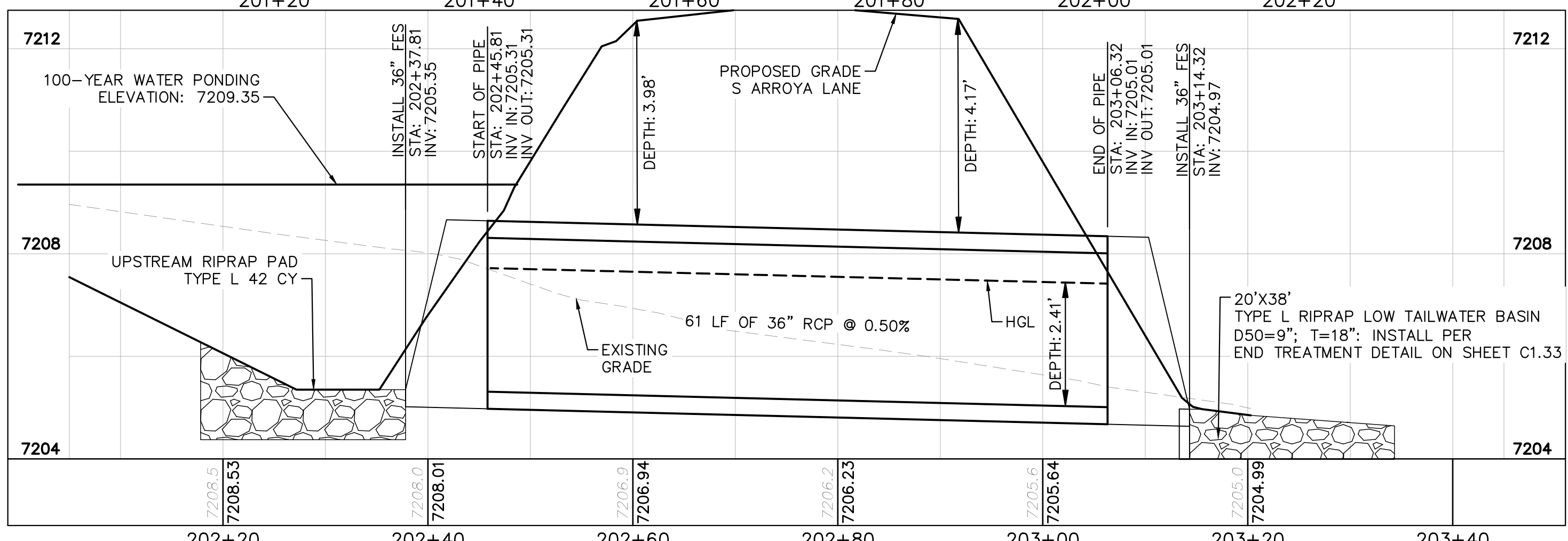
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CULVERT 2 (1) - DP10 PROFILE VIEW



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

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 DATE: 06/27/2024

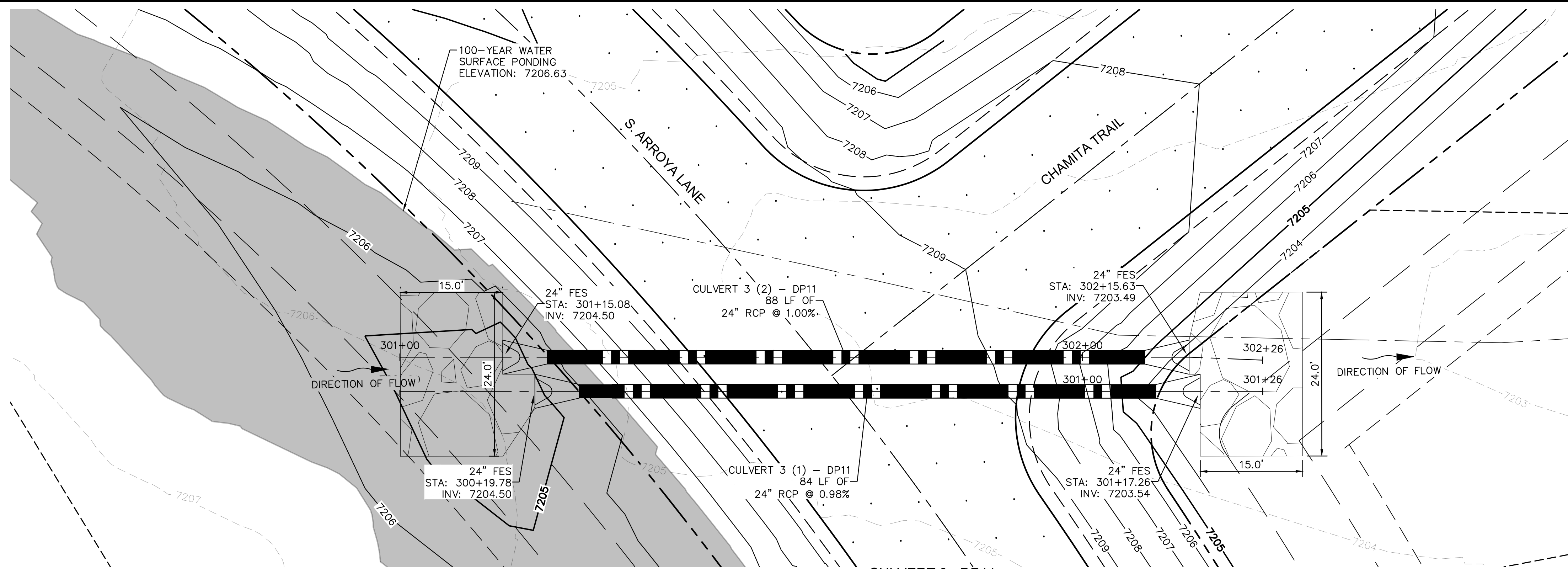
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C1.24

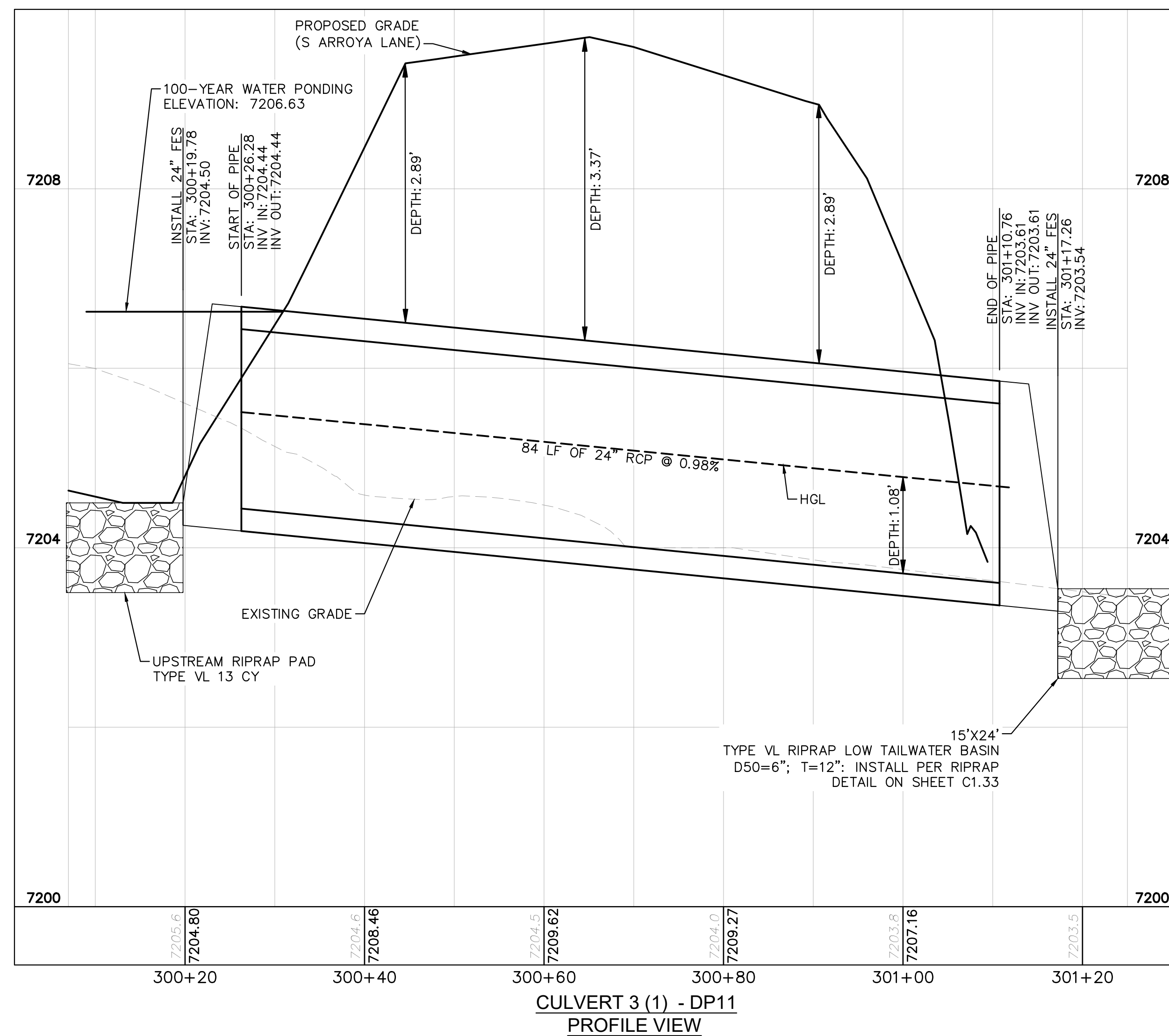
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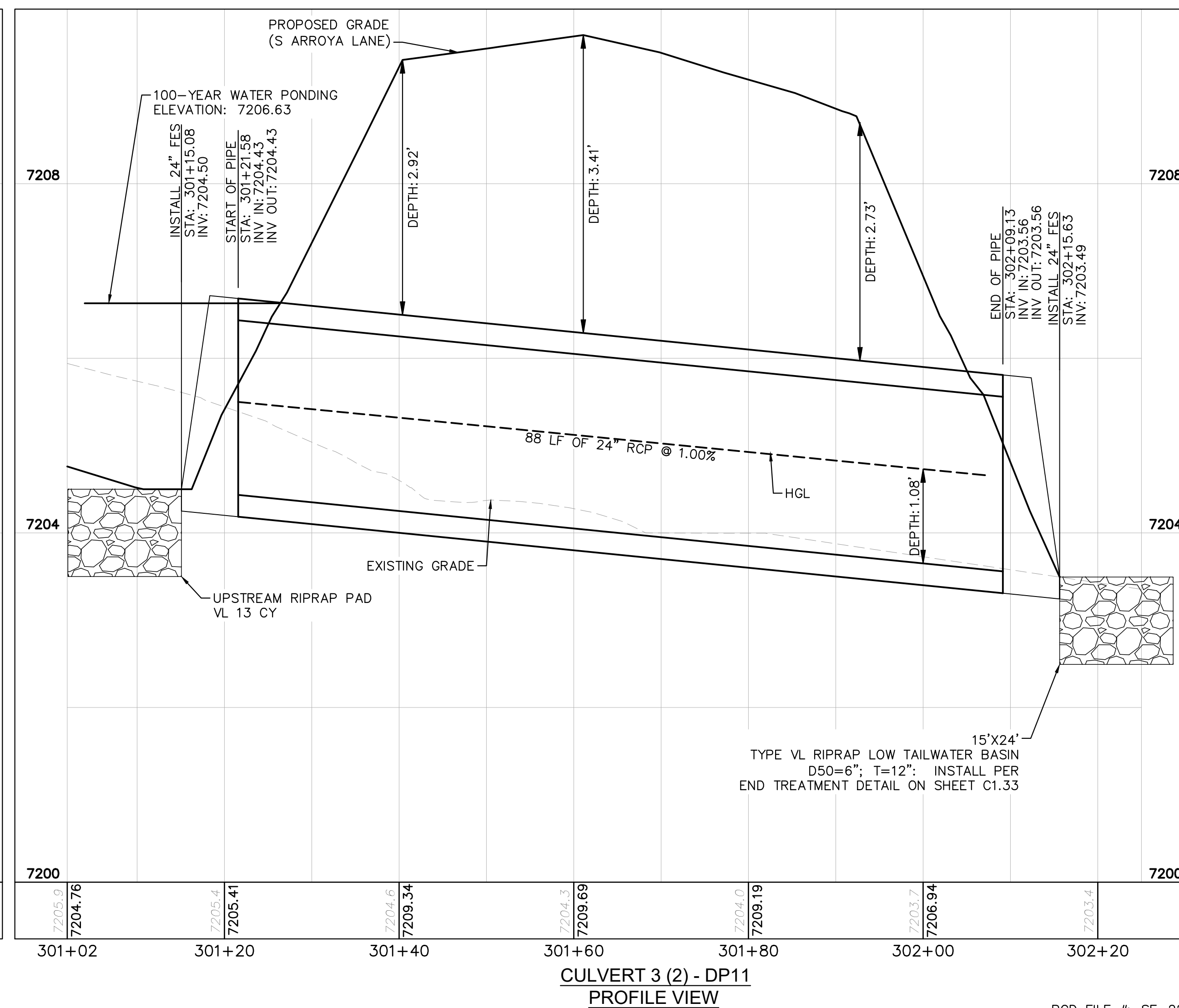
CULVERT 3 - DP11
PLAN VIEW

NOTES

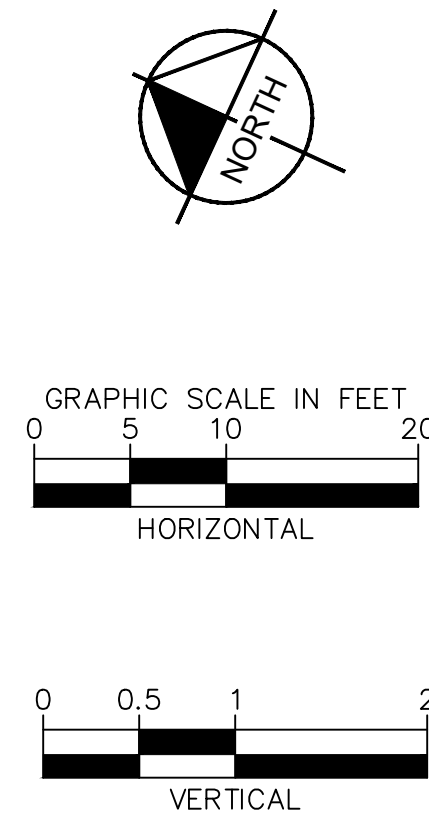
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2. ASSUMED FLARED END SECTIONS (FES) LENGTHS ARE THE FOLLOWING:
6'-1": 18"-30" FES
8'-1": 30" FES
8'-2": 42"-48" FES



CULVERT 3 (1) - DP11
PROFILE VIEW



CULVERT 3 (2) - DP11
PROFILE VIEW



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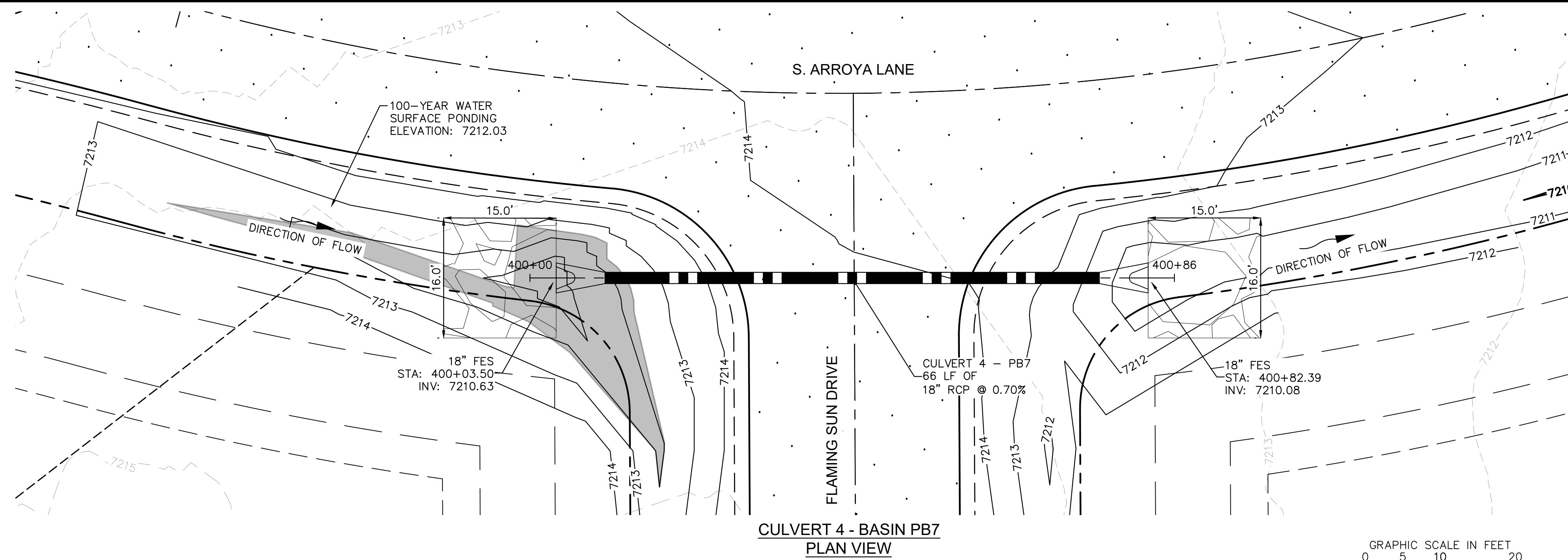
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SHEET

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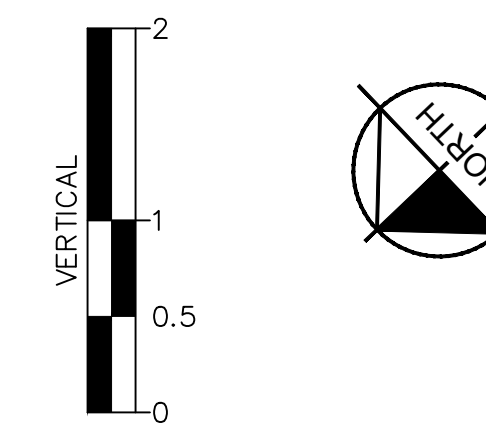
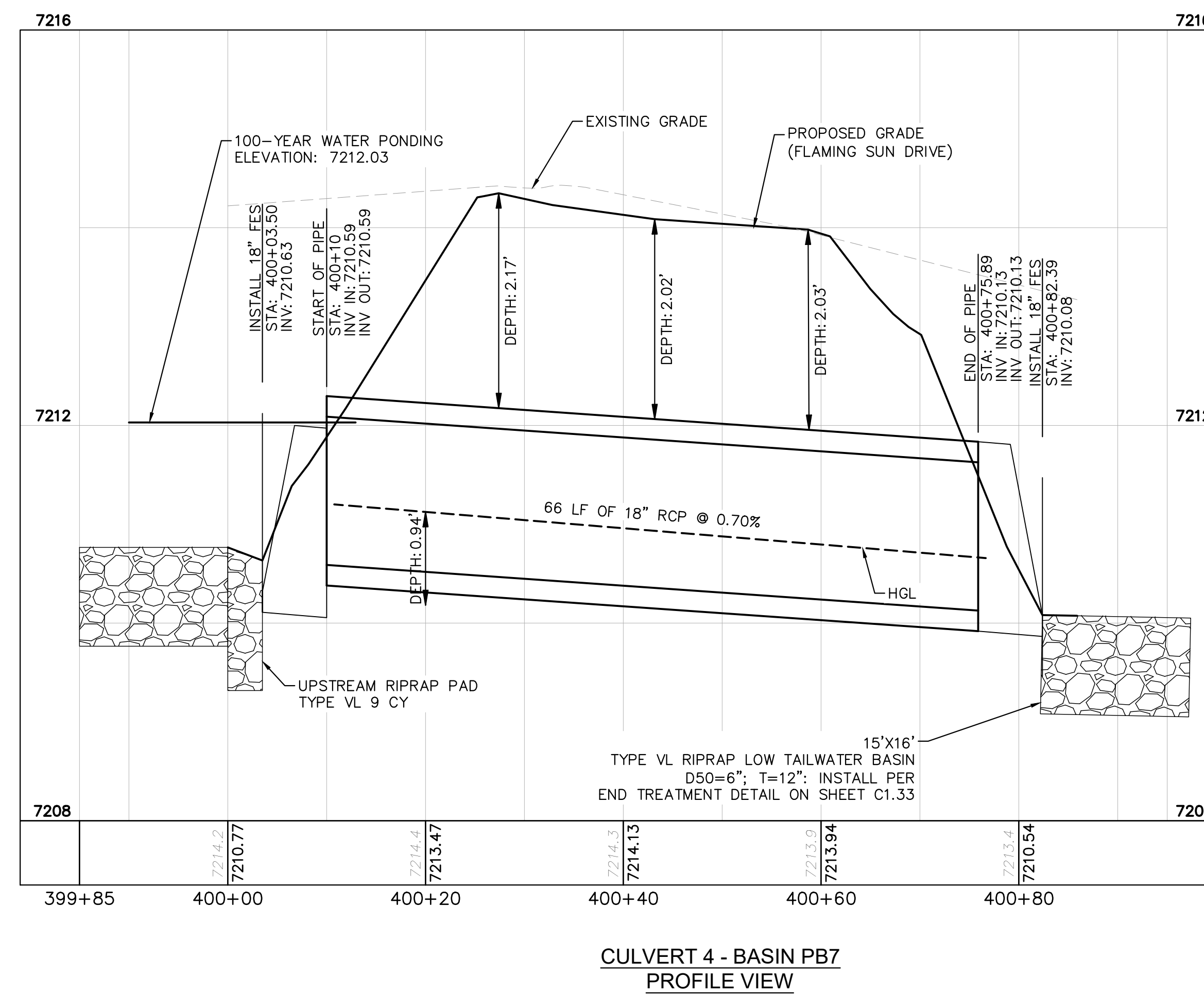
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NOTES

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- ASSUMED FLARED END SECTIONS (FES) LENGTHS ARE THE FOLLOWING:
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8'-1": 30" FES
8'-2": 42"-48" FES



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CONSTRUCTION DOCUMENTS
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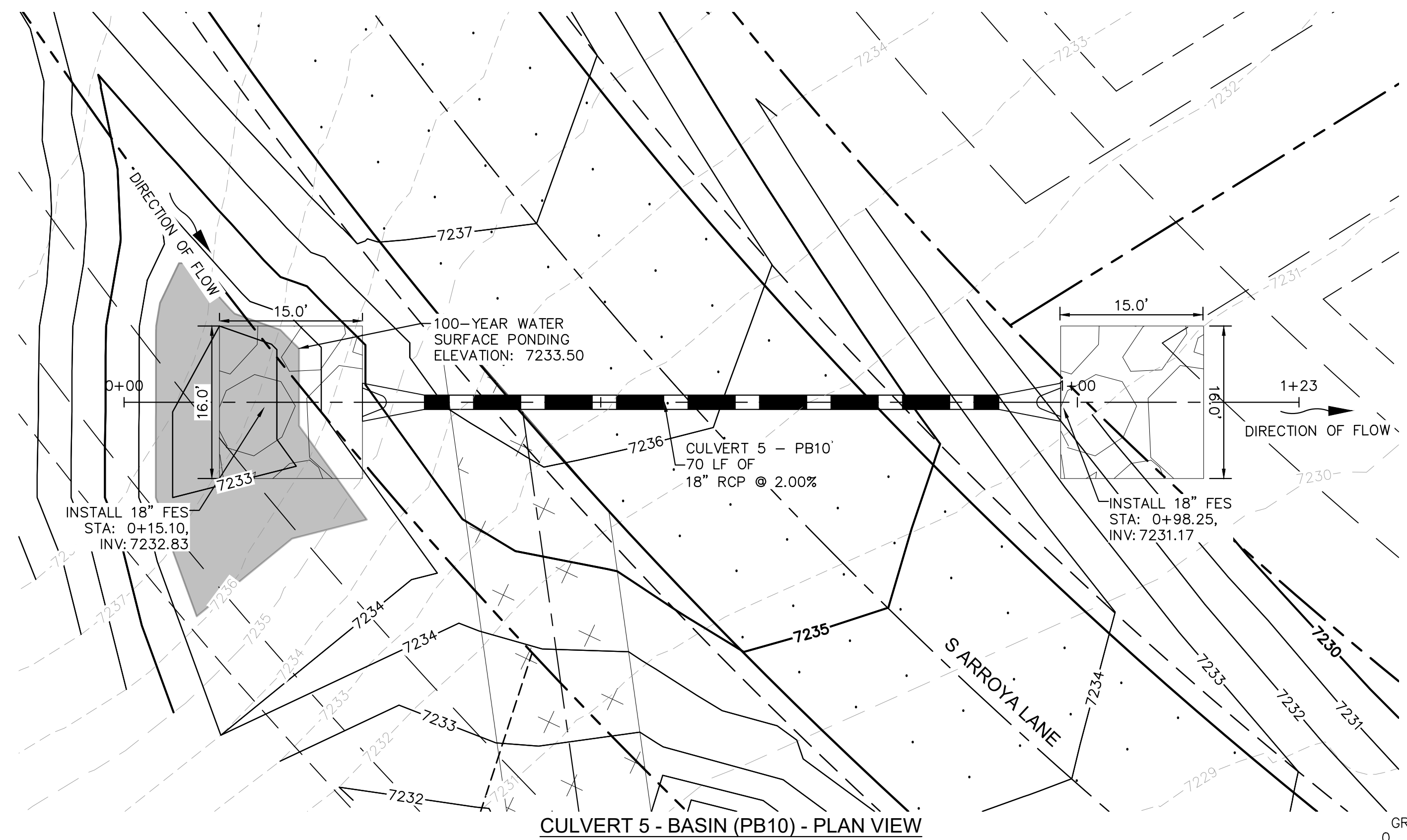
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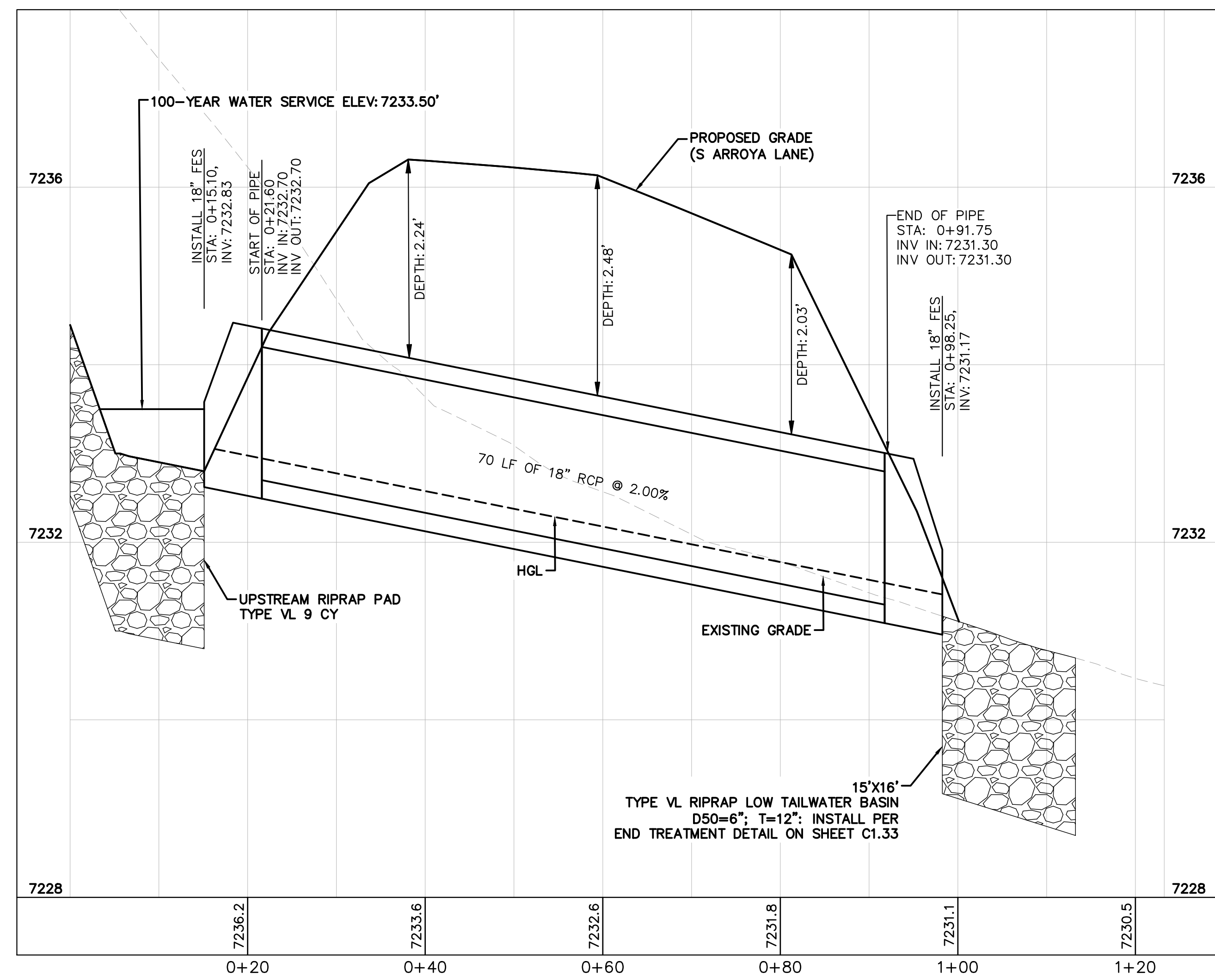
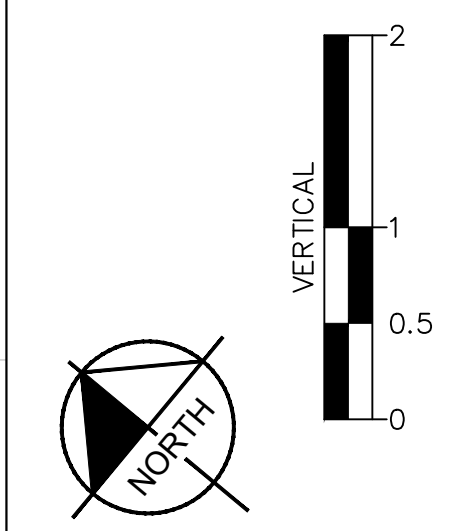
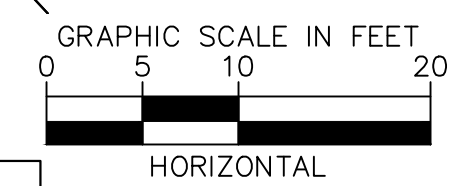
SHEET

C1.26

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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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 DATE: 06/27/2024

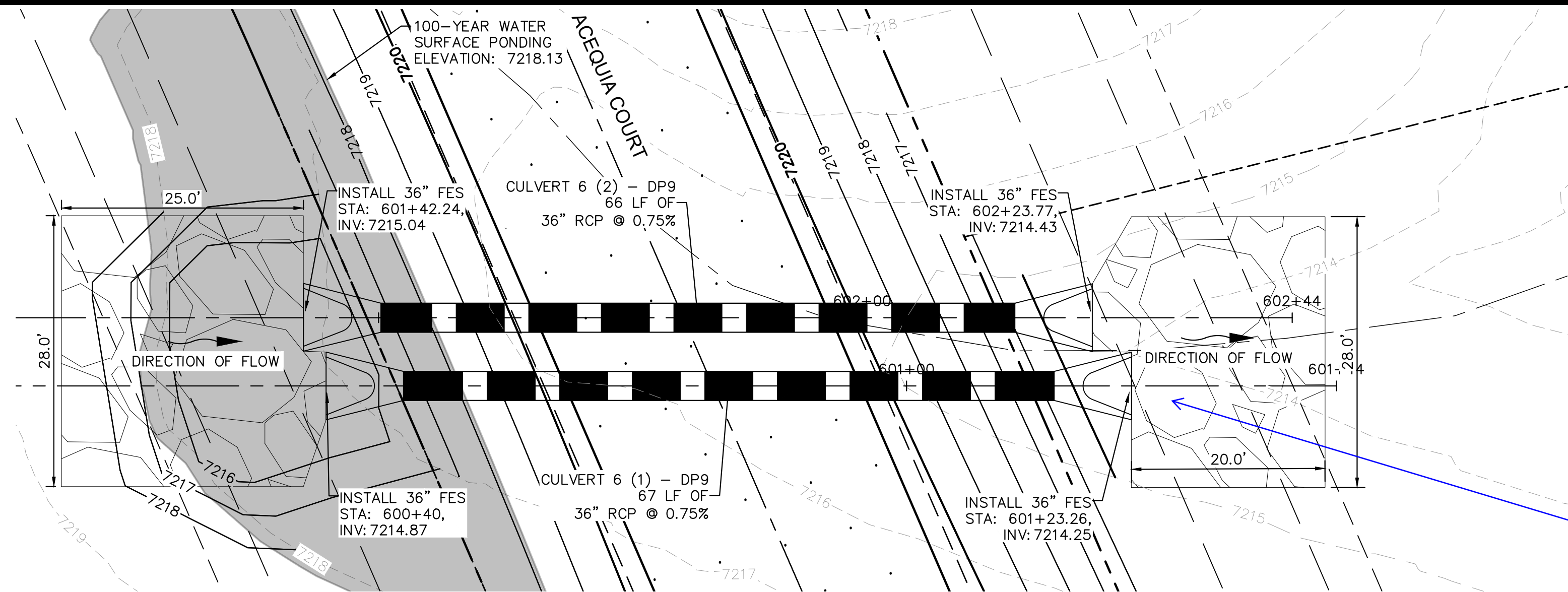
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 SHEET

C1.27

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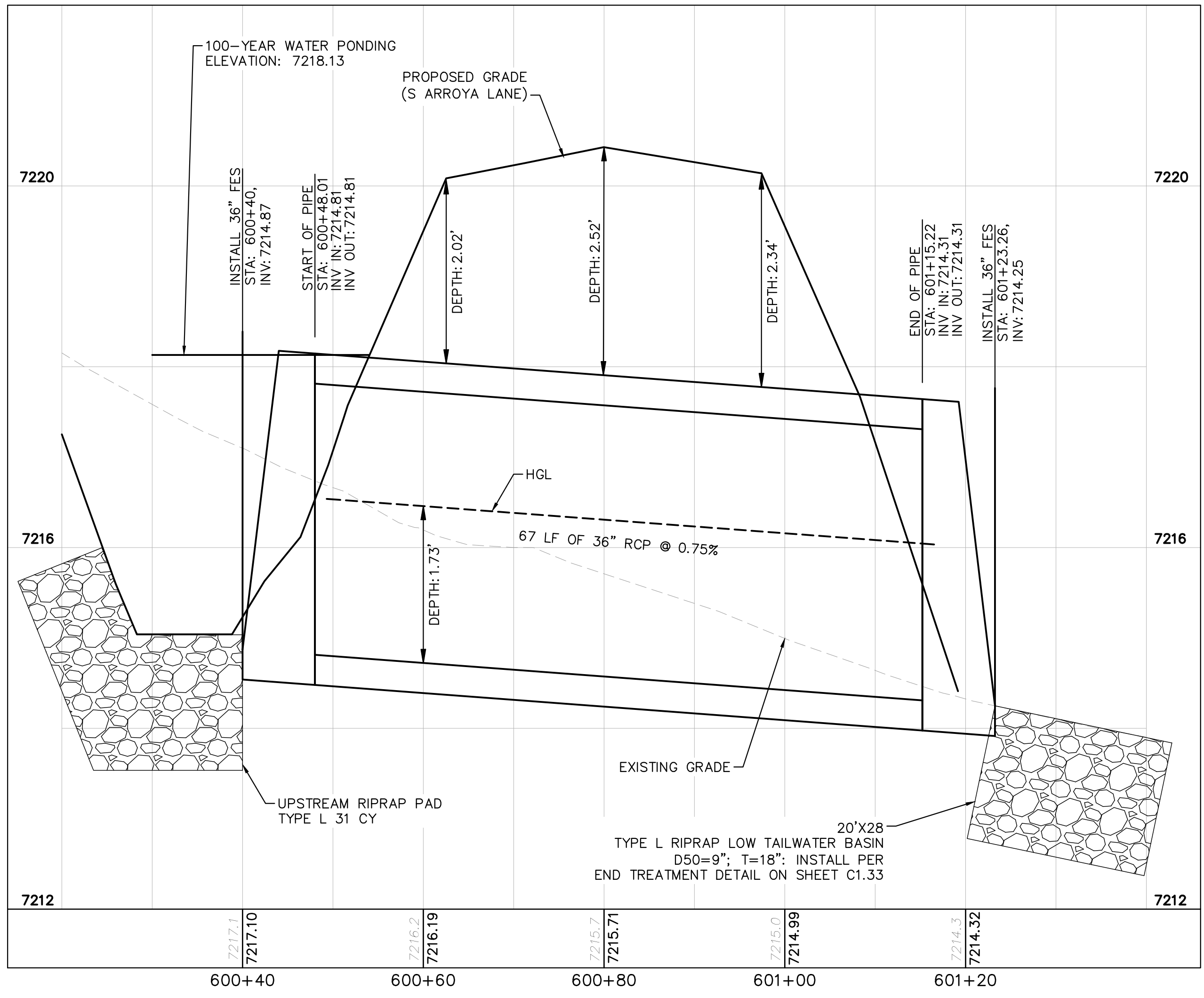
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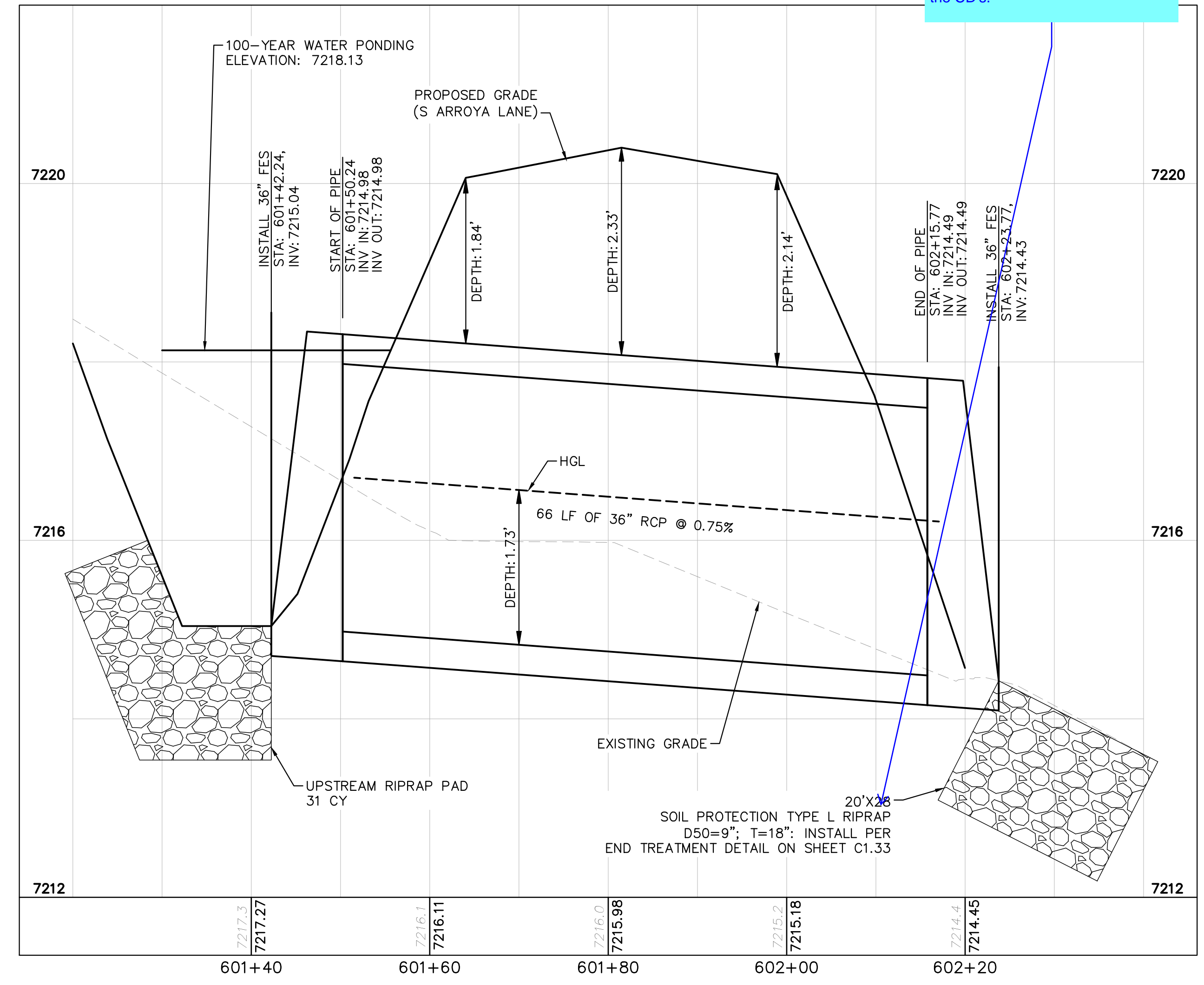
KH Response:
 These rip rap pads are designed to be low tailwater basins. The dimensions should be consistent with the chart on sheet C1.32. Although the dimensions are smaller, the design is more effective from a flow dissipation perspective. Low tailwater basin label has been added.

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.

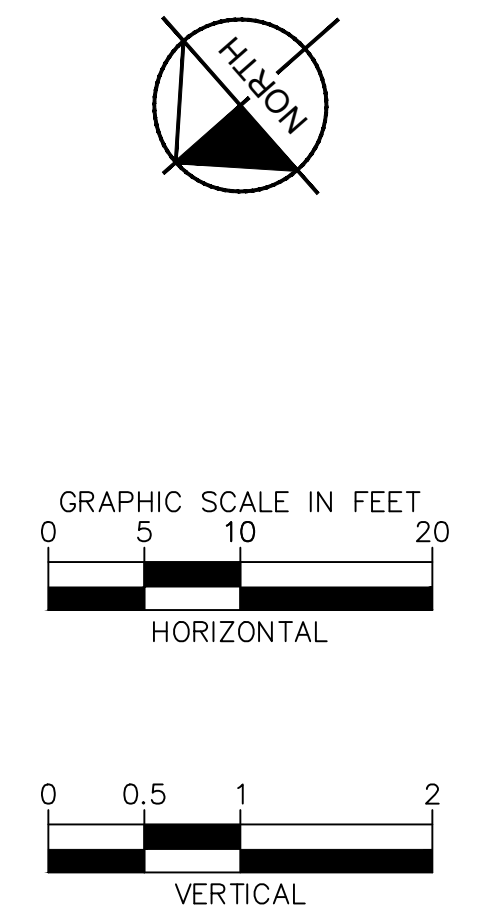
**CULVERT 6 - DP9
 PLAN VIEW**



**CULVERT 6 (1) - DP9
 PROFILE VIEW**



**CULVERT 6 (2) - DP9
 PROFILE VIEW**



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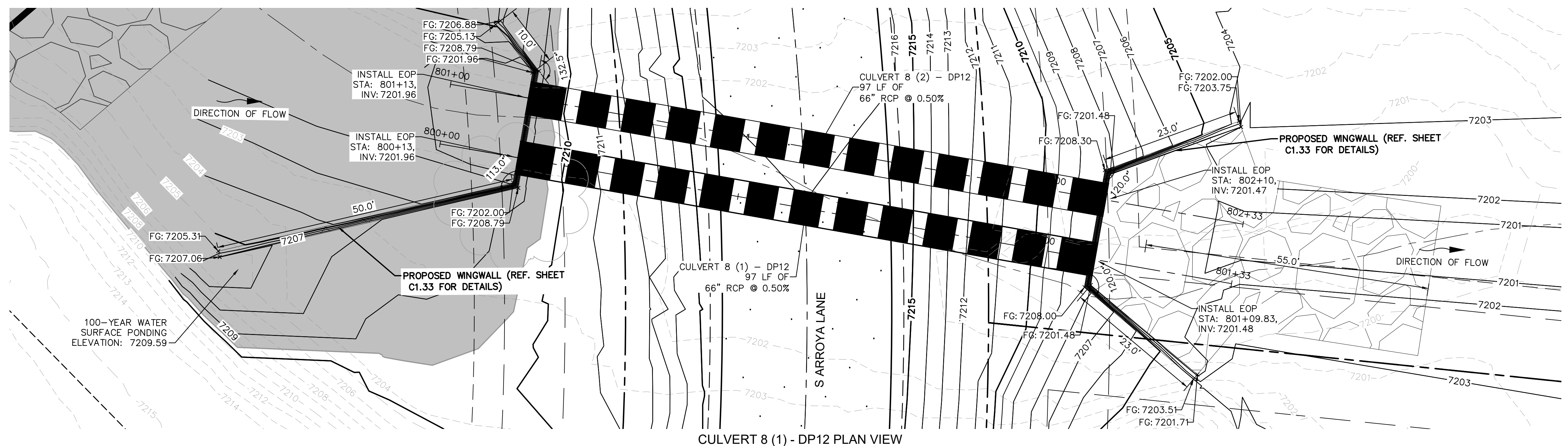
**EAGLEVIEW
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
 CULVERT PLAN AND PROFILE**

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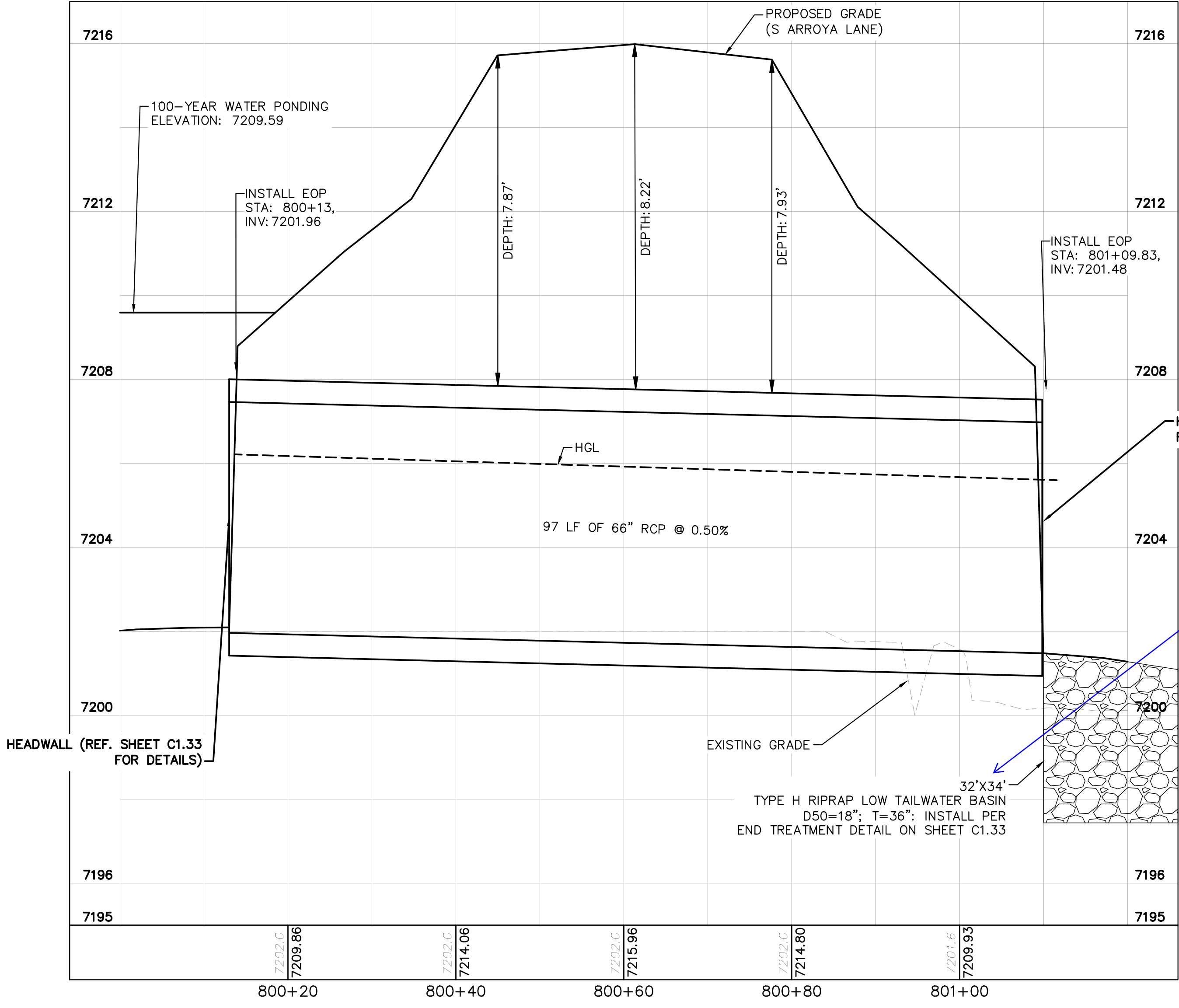
PROJECT NO.
 196106001
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C1.28

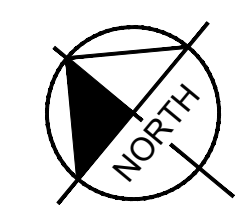
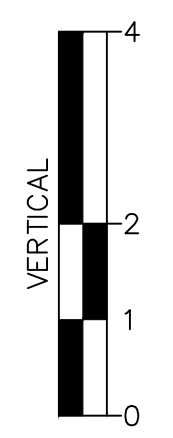
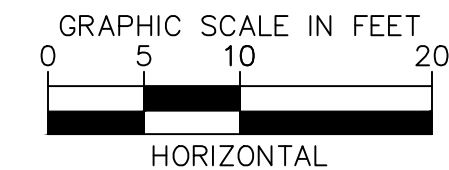
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CULVERT 8 (1) - DP12 PLAN VIEW



CULVERT 8 (1) - 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

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

KH Addressed: These dimension are per the table on the rock chute detail sheet. Dimensions have been updated in plans to match, or verified.



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

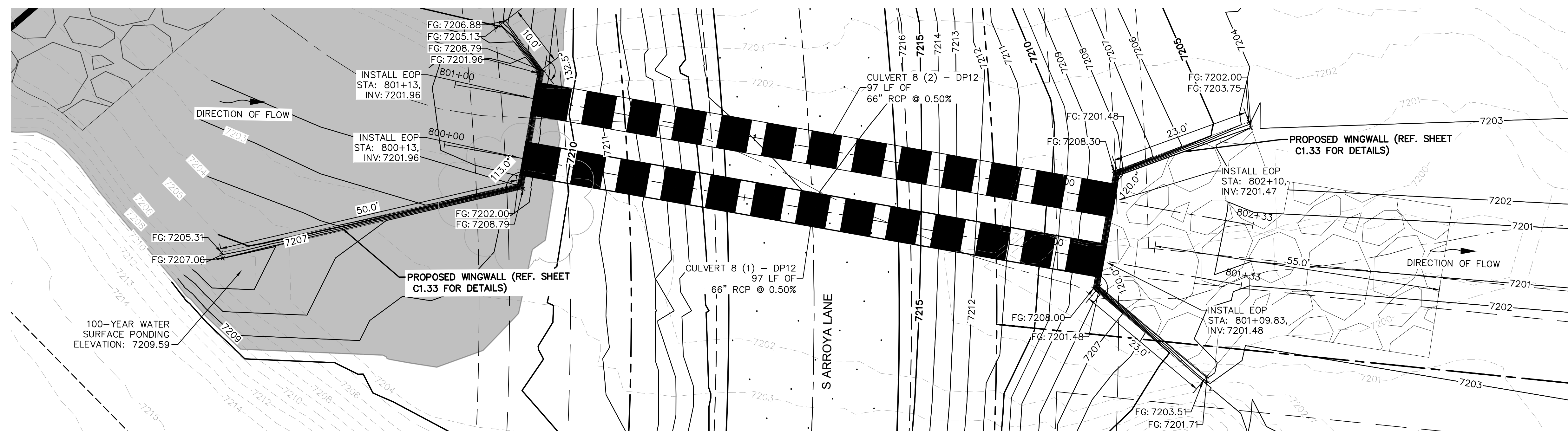
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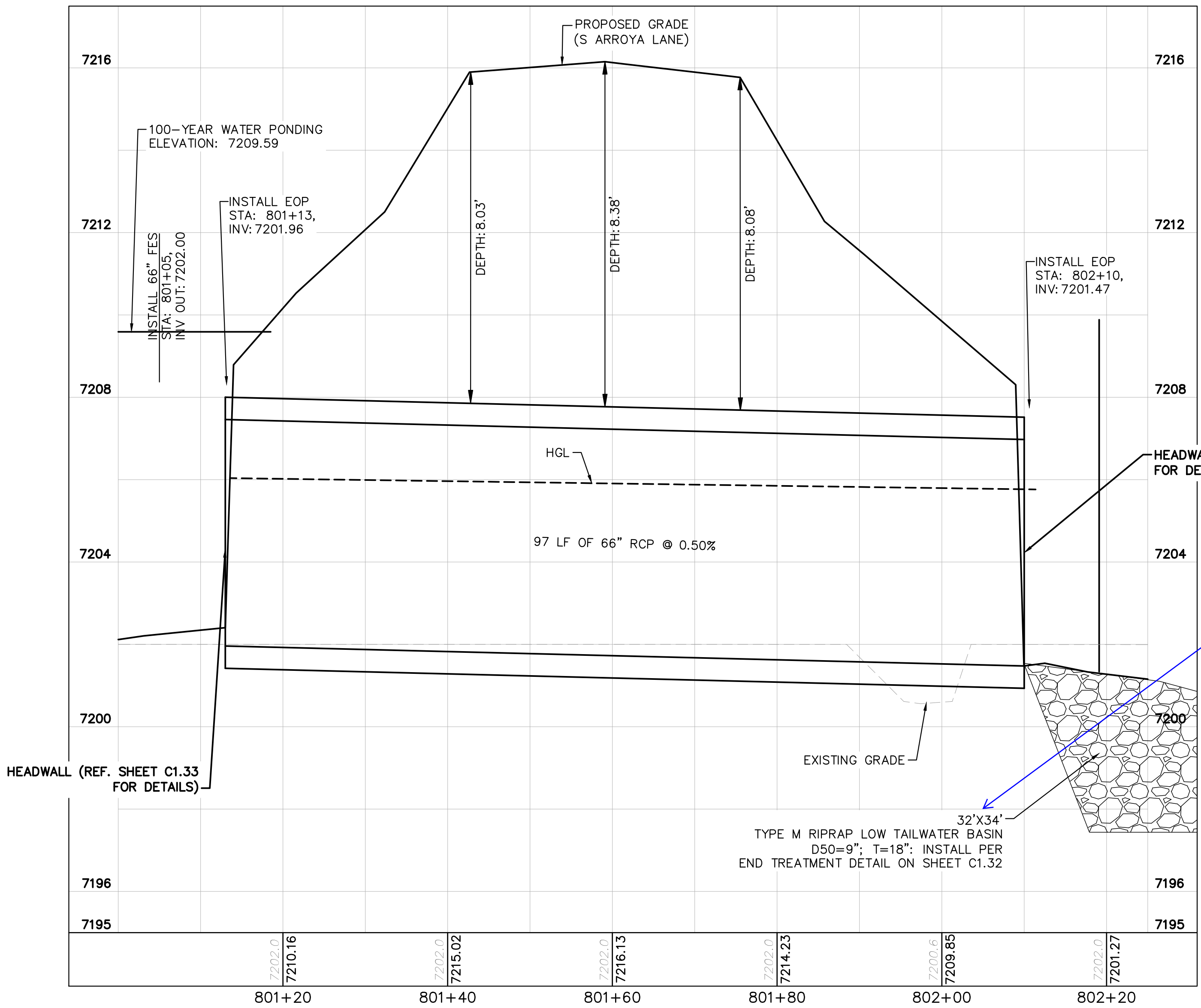
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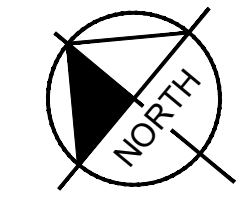
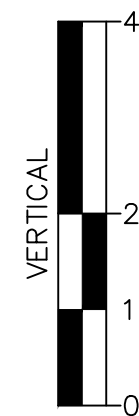
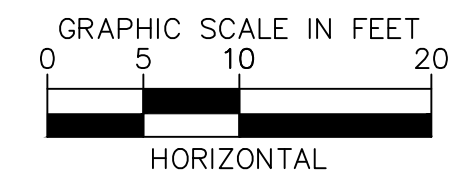
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CULVERT 8 (2) - DP12 PLAN VIEW



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.

KH Addressed: These dimension are per the table on the rock chute detail sheet. Dimensions have been updated in plans to match, or verified.



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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

EAGLEVIEW
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 CONSTRUCTION DOCUMENTS
CULVERT PLAN AND PROFILE

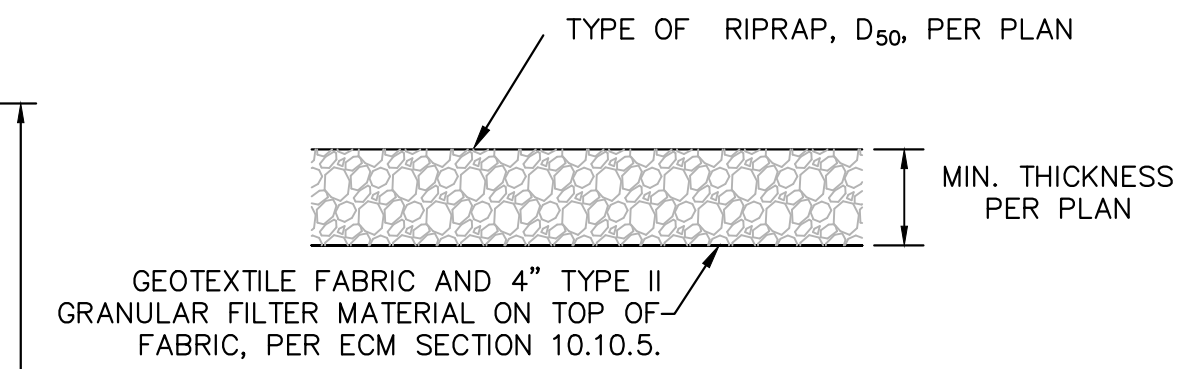
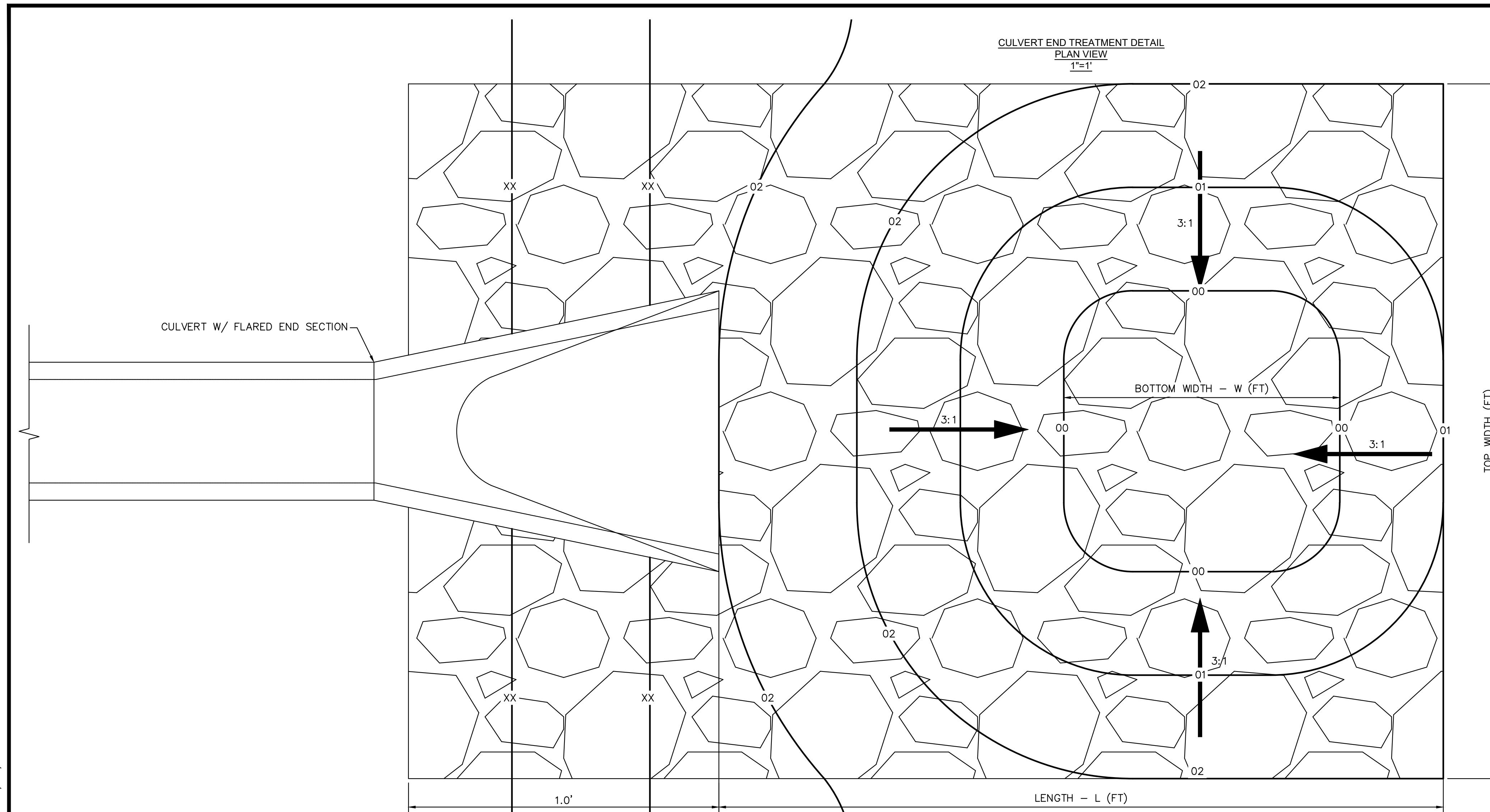
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PROJECT NO.
 196106001

SHEET

C1.31

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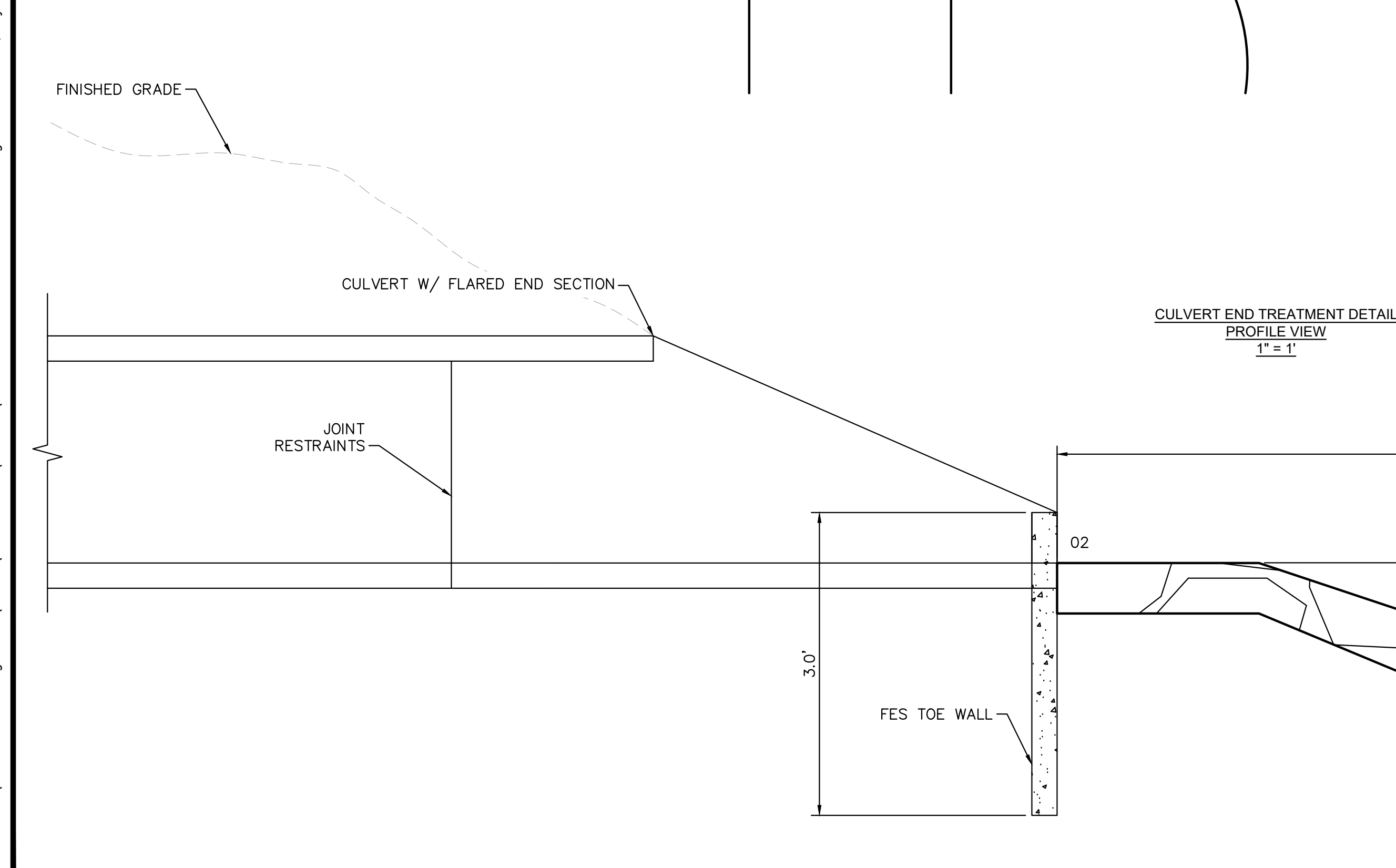
1. D₅₀ = MEAN PARTICLE SIZE (INTERMEDIATE DIMENSION) BY WEIGHT.
2. RIP RAP SHALL BE PER PLAN AND SHALL BE MIXED WITH 30% SOIL TO 70% RIP RAP.
3. RIP RAP SECTION THICKNESS SHALL BE 2.0 TIMES THE SPECIFIED MEAN PARTICLE SIZE (I.E. D₅₀ X 2.0 MINIMUM) PER ECM SECTION 10.10.3.
4. ALL RIP RAP SHALL BE UNDERLAIN 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

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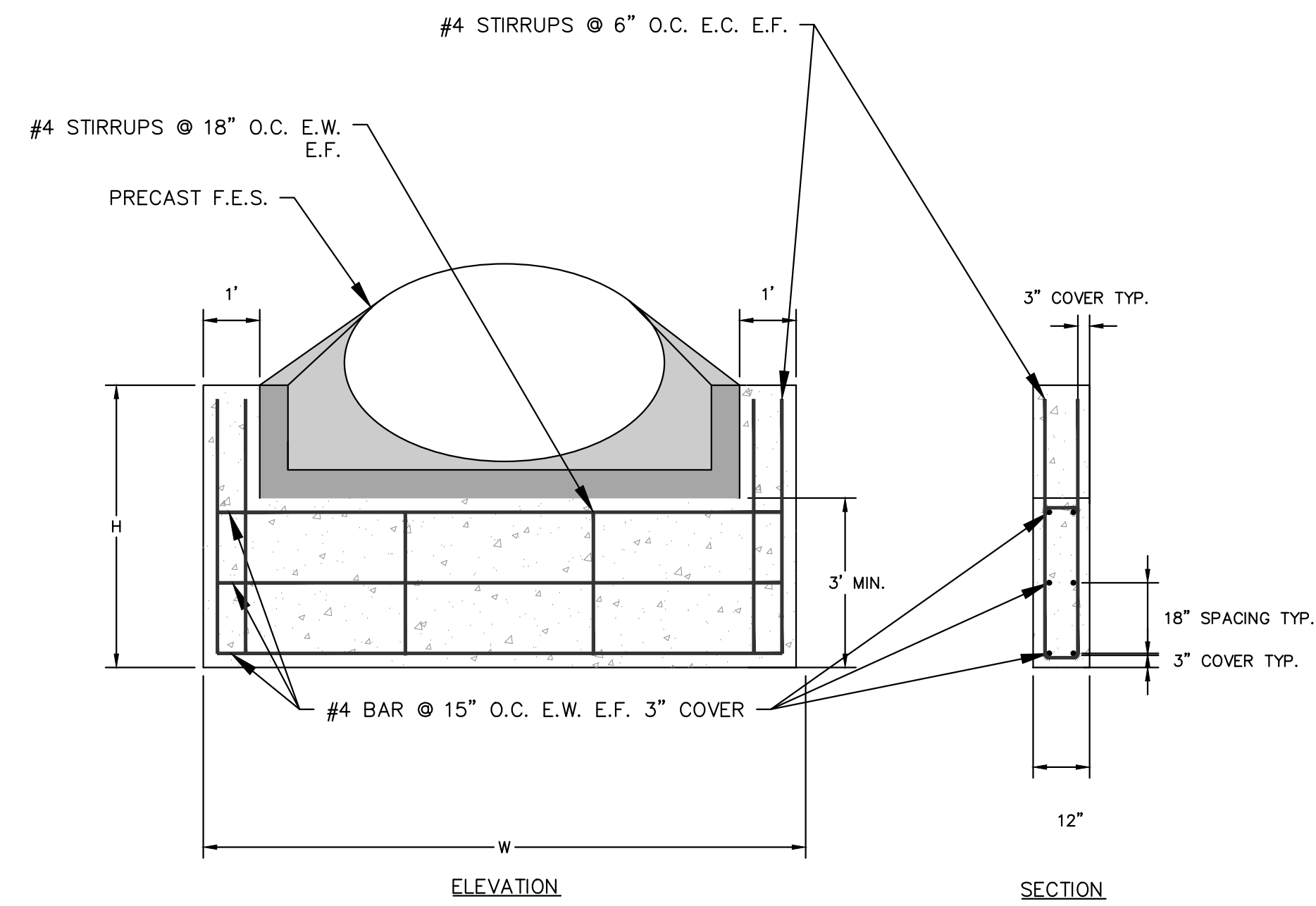
EAGLEVIEW
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
 CULVERT END TREATMENT DETAILS

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PROJECT NO.
 196106001

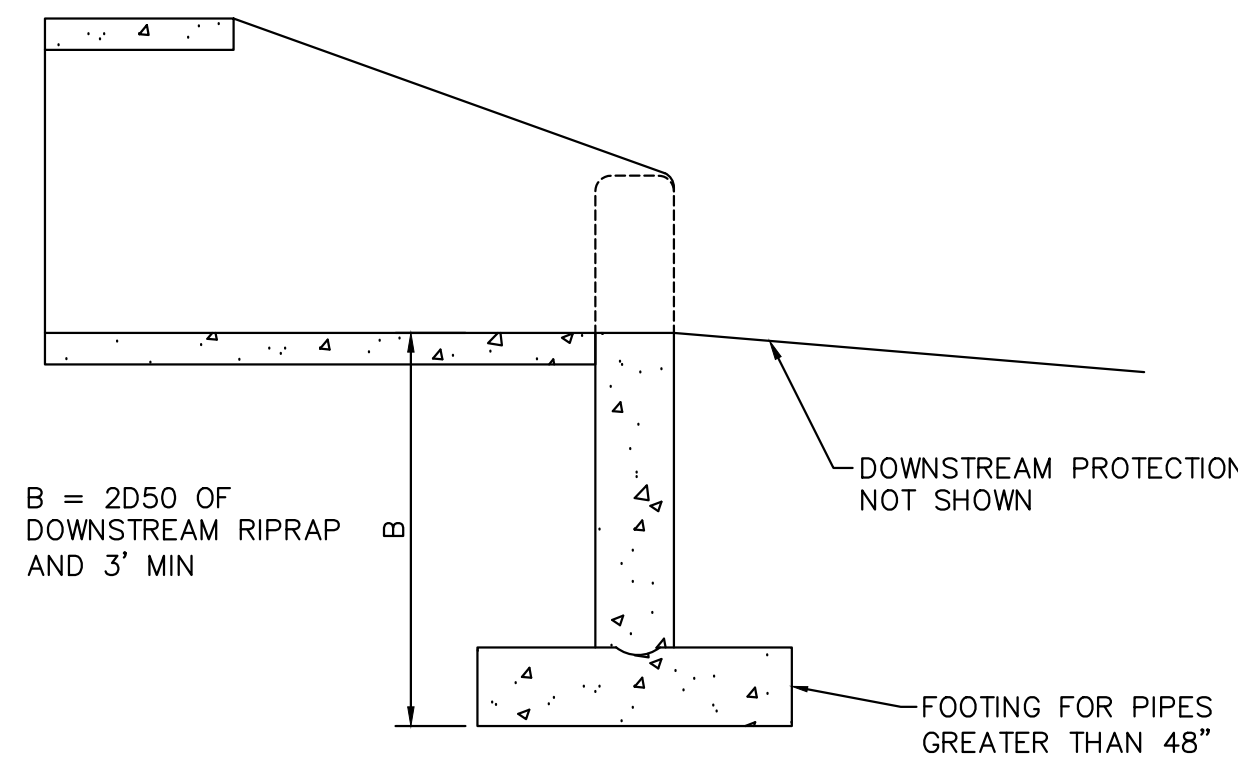
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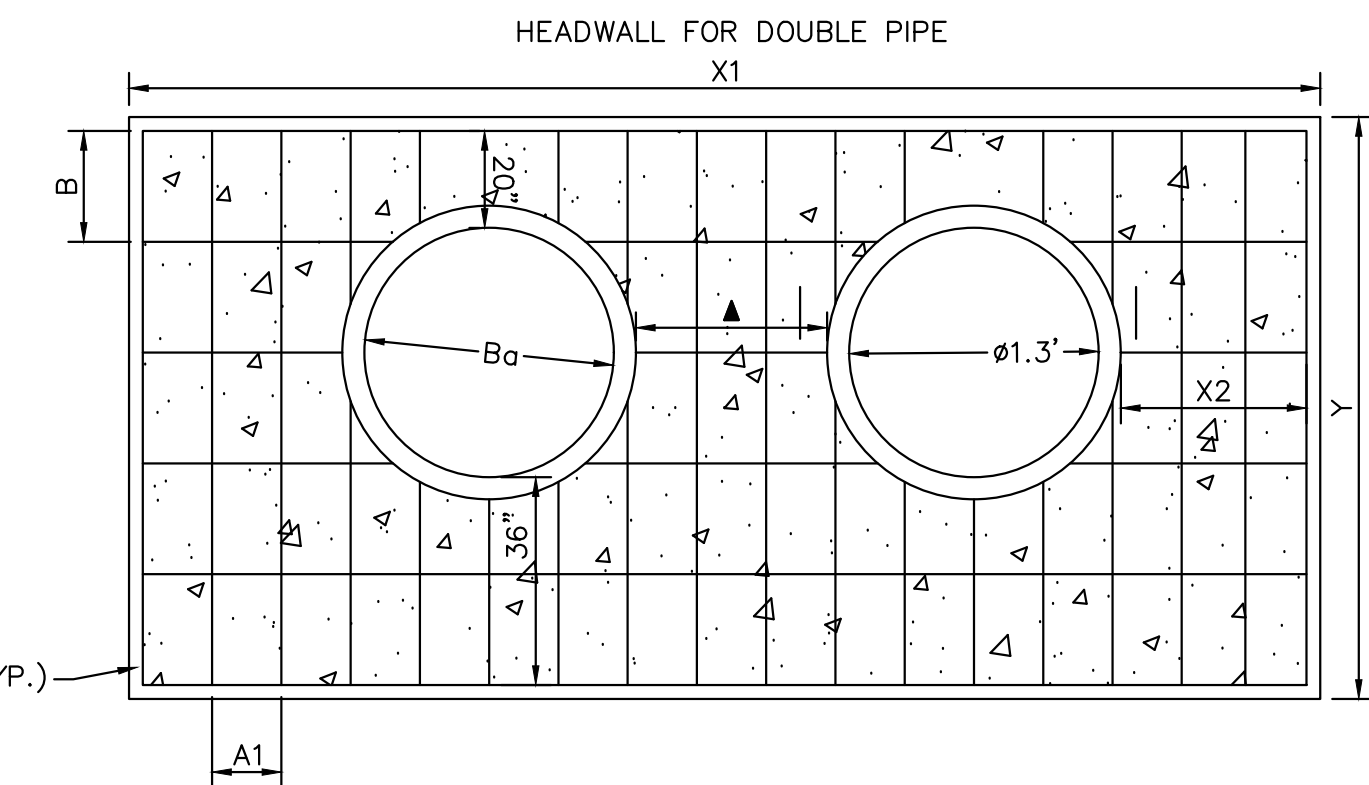


CULVERT TOE WALL DETAIL
N.T.S.

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.

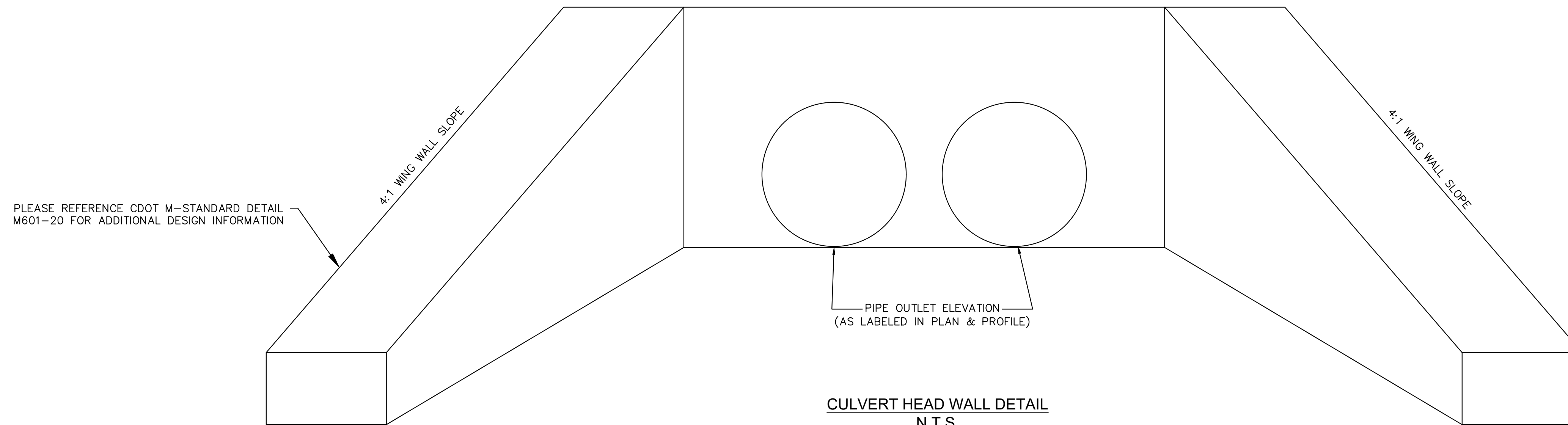


CULVERT TOE WALL DETAIL
N.T.S.



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.

K:\COS_Civil\196288000_Eagleview\CADD\References\Details\KH FES-RIPRAP_PAD DETAIL.dwg Schneibach, Ryan 6/27/2024 1:11 PM

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

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EAGLEVIEW
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CONSTRUCTION DOCUMENTS
CULVERT DETAILS

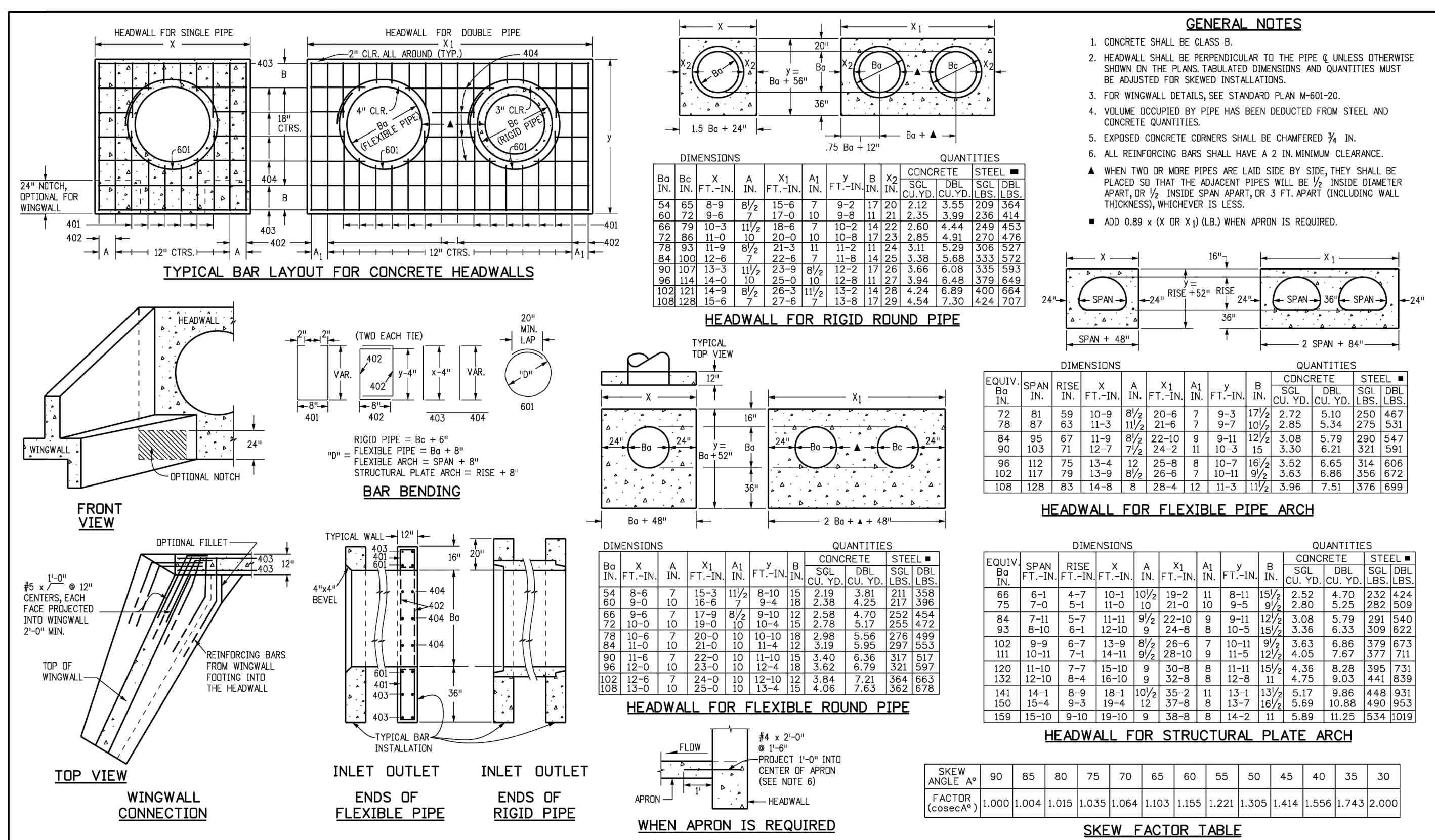
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PROJECT NO.
196106001

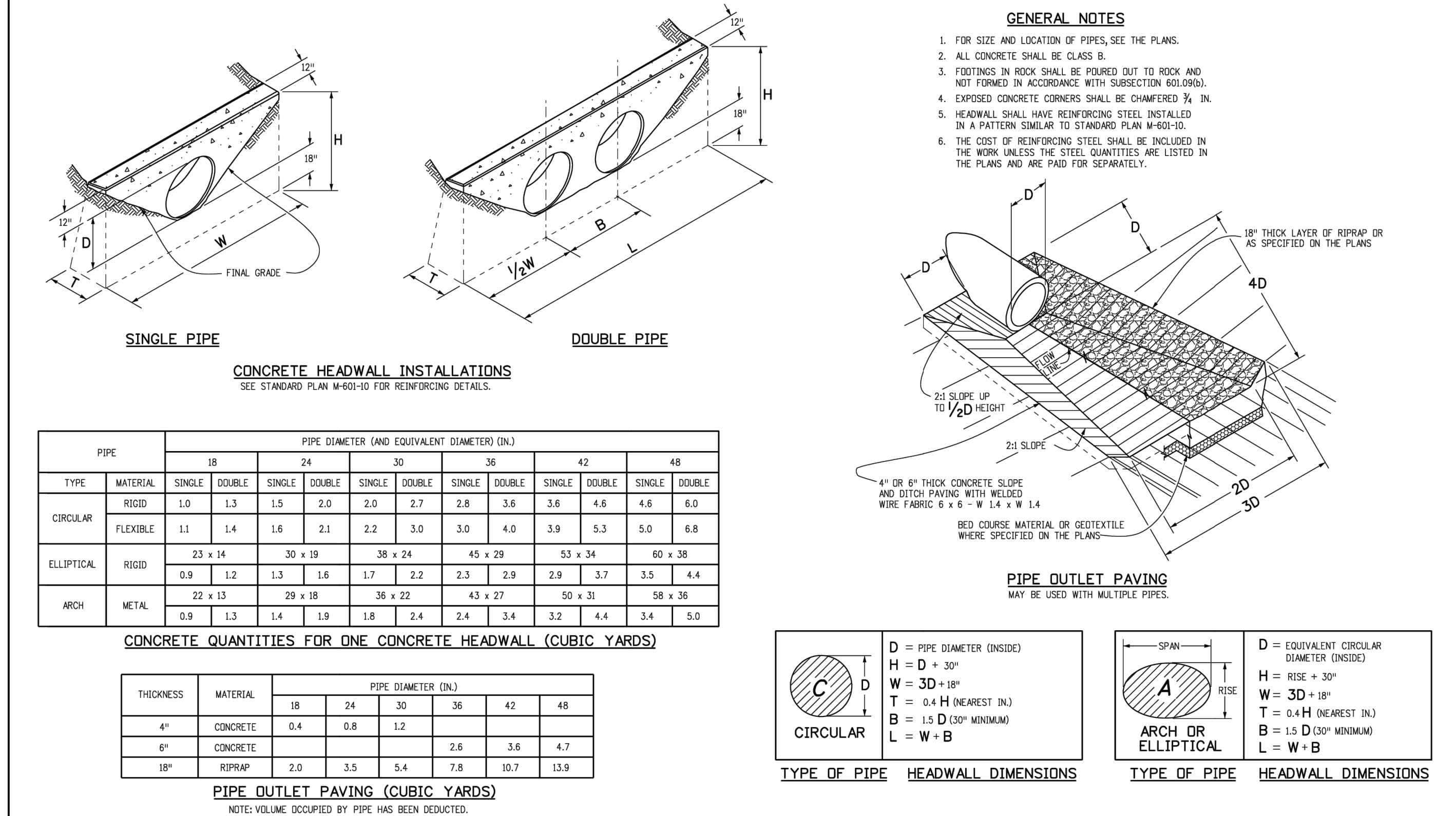
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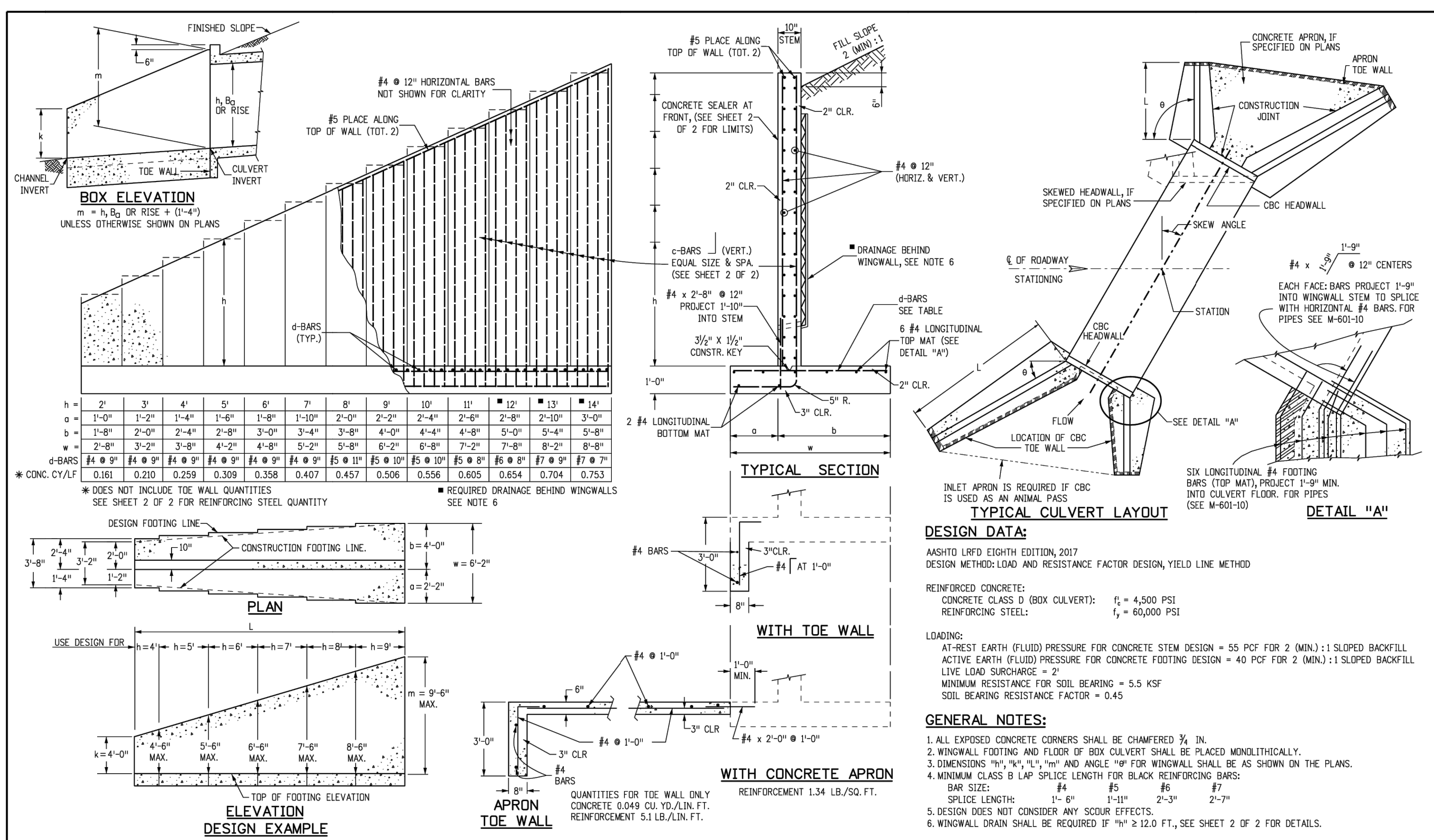
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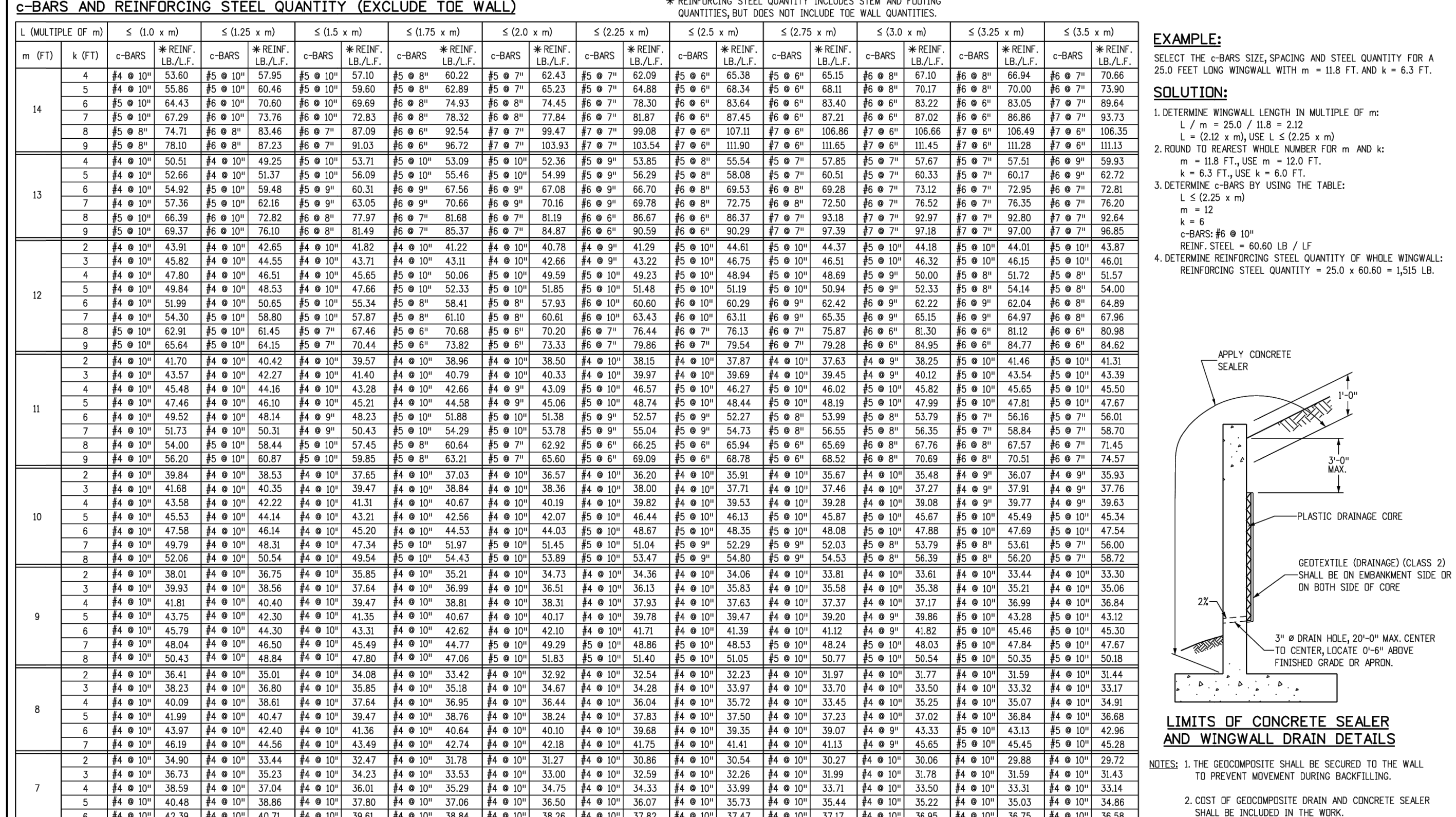
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Designer: JBK	Initials: JBK			CDOT HO, 3rd Floor	Project Sheet Number:		
Last Modification Date: 07/31/19	Initials: JBK			Denver, CO 80204	Project Development Branch July 31, 2019		
Detailer: LTA	Initials: LTA			Phone: 303-757-9021 FAX: 303-757-9868			
CAD Ver.: MicroStation V8	Scale: Not to Scale			Project Development Branch			



Computer File Information		Sheet Revisions		Colorado Department of Transportation		STANDARD PLAN NO.	
Creation Date: 07/31/19	Initials: JBK	Date:	Comments:	2829 West Howard Place	M-601-12	Standard Sheet No. 1 of 1	
Designer: JBK	Initials: JBK			CDOT HO, 3rd Floor	Project Sheet Number:		
Last Modification Date: 07/31/19	Initials: JBK			Denver, CO 80204	Project Development Branch July 31, 2019		
Detailer: LTA	Initials: LTA			Phone: 303-757-9021 FAX: 303-757-9868			
CAD Ver.: MicroStation V8	Scale: Not to Scale			Project Development Branch			



Computer File Information		Sheet Revisions		Colorado Department of Transportation		STANDARD PLAN NO.	
Creation Date: 07/04/12	Initials: HMB	Date:	Comments:	2829 West Howard Place	M-601-20	Standard Sheet No. 1 of 2	
Last Modification Date: 09/04/18	Initials: HMB			CDOT HO, 3rd Floor	Project Sheet Number:		
Full Path: www.codot.gov/business/designsupport	Initials: HMB			Denver, CO 80204	Project Development Branch July 4, 2012		
Drawing File Name: 6010200202.dwg	Initials: HMB			Phone: 303-757-9021 FAX: 303-757-9868			
CAD Ver.: MicroStation V8	Scale: Not to Scale			Division of Project Support			



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Creation Date: 07/04/12	Initials: HMB	Date:	Comments:	2829 West Howard Place	M-601-20	Standard Sheet No. 2 of 2	
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Drawing File Name: 6010200202.dwg	Initials: HMB			Phone: 303-757-9021 FAX: 303-757-9868			
CAD Ver.: MicroStation V8	Scale: Not to Scale			Division of Project Support			

Kimley»Horn

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Colorado Springs, Colorado 80903 (719) 453-0180

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

EAGLEVIEW, COLORADO
CONSTRUCTION DOCUMENTS
HEADWALL & WINGWALL DETAILS

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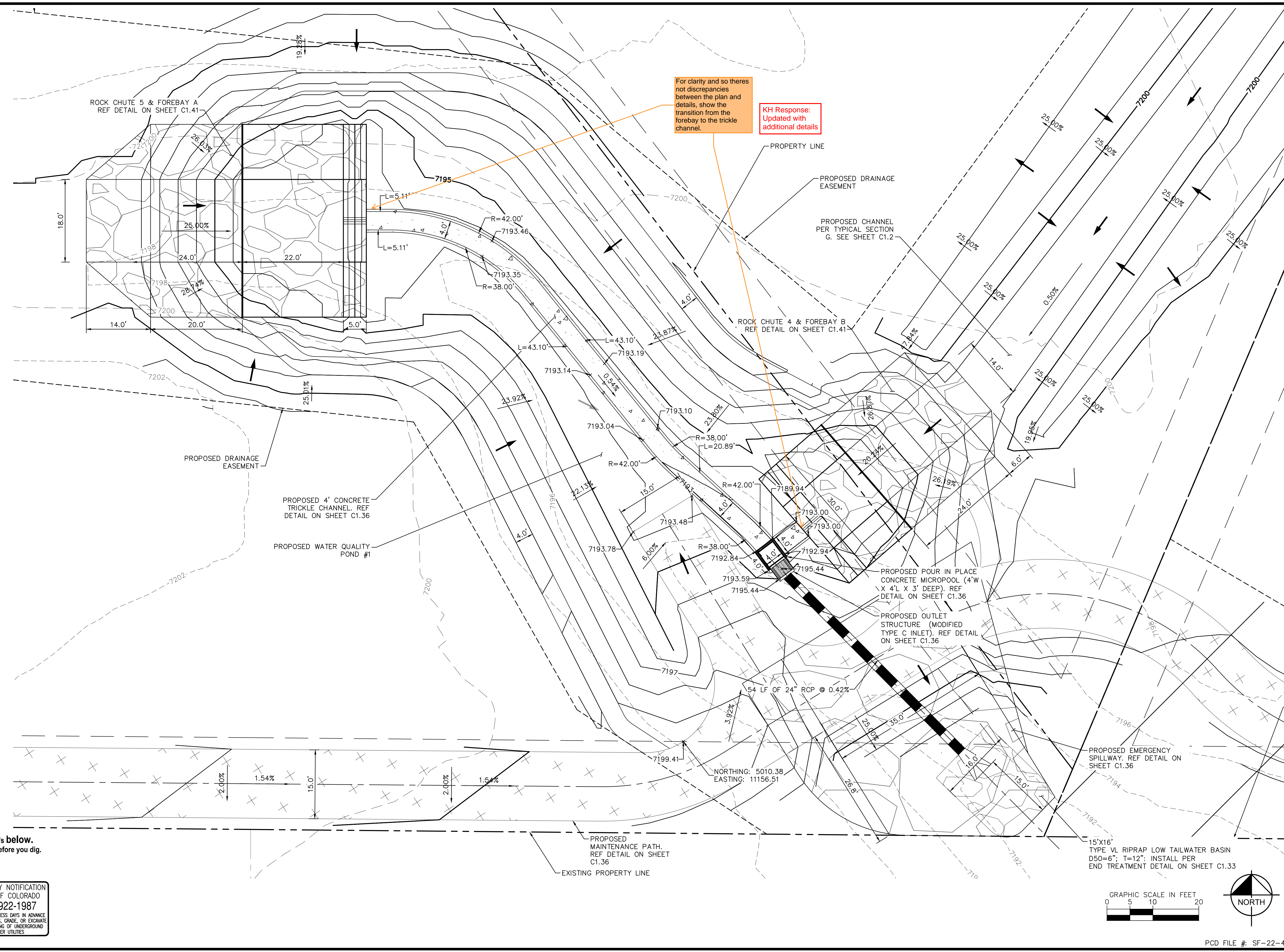
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1-800-922-1987

CALL 2-BUSINESS DAYS IN ADVANCE
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FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES



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

KH Response:
Updated with additional details

NO.	REVISION	BY	DATE

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

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Kimley-Horn and Associates, Inc.

PROJECT NO.
196106001

SHEET
C1.35

ORIFICE PLATE NOTES

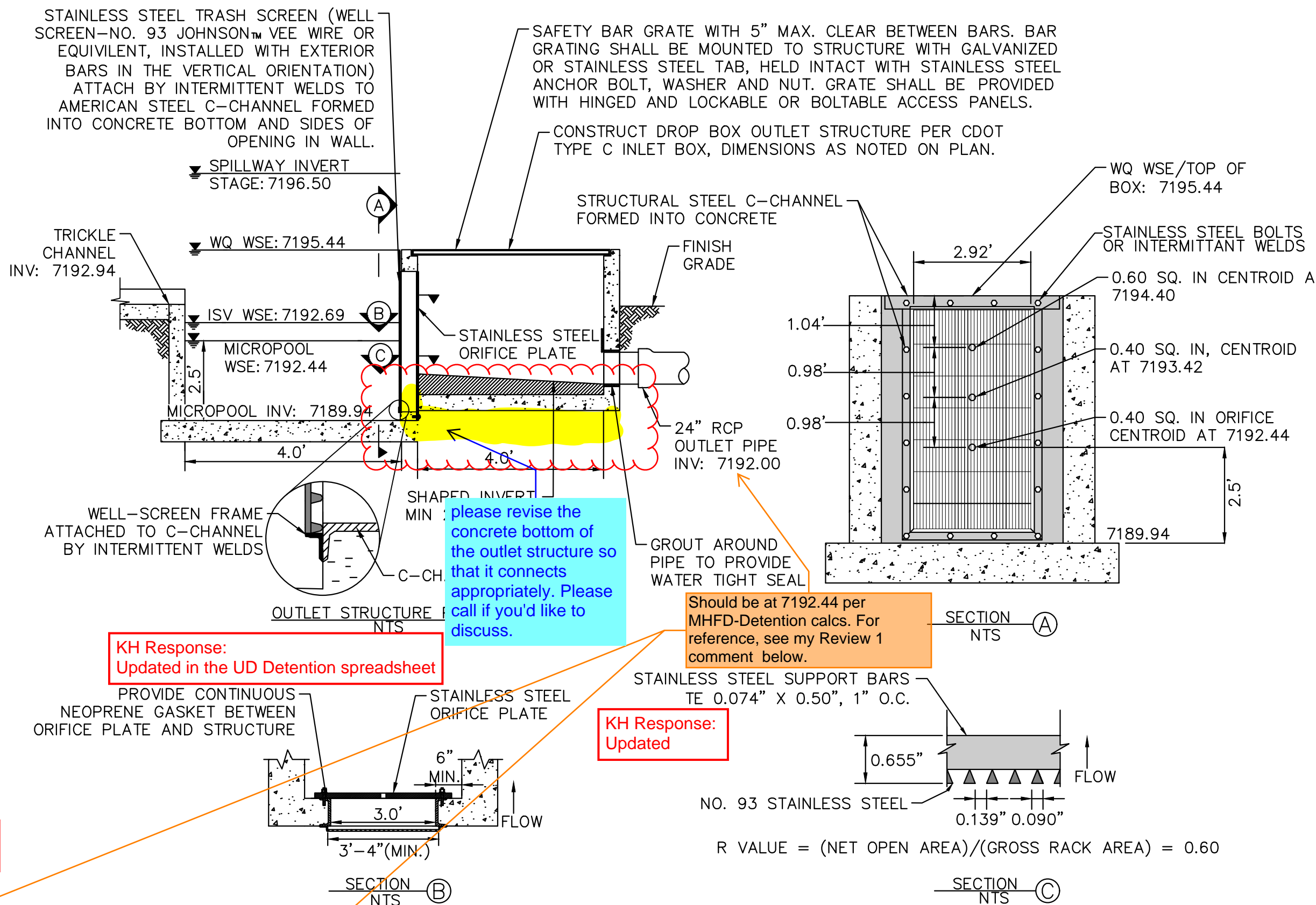
1. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
2. BOLT PLATE TO CONCRETE 12" MAX. ON CENTER, WITH A PLATE THICKNESS OF 0.25".

WELL-SCREEN TRASH RACKS

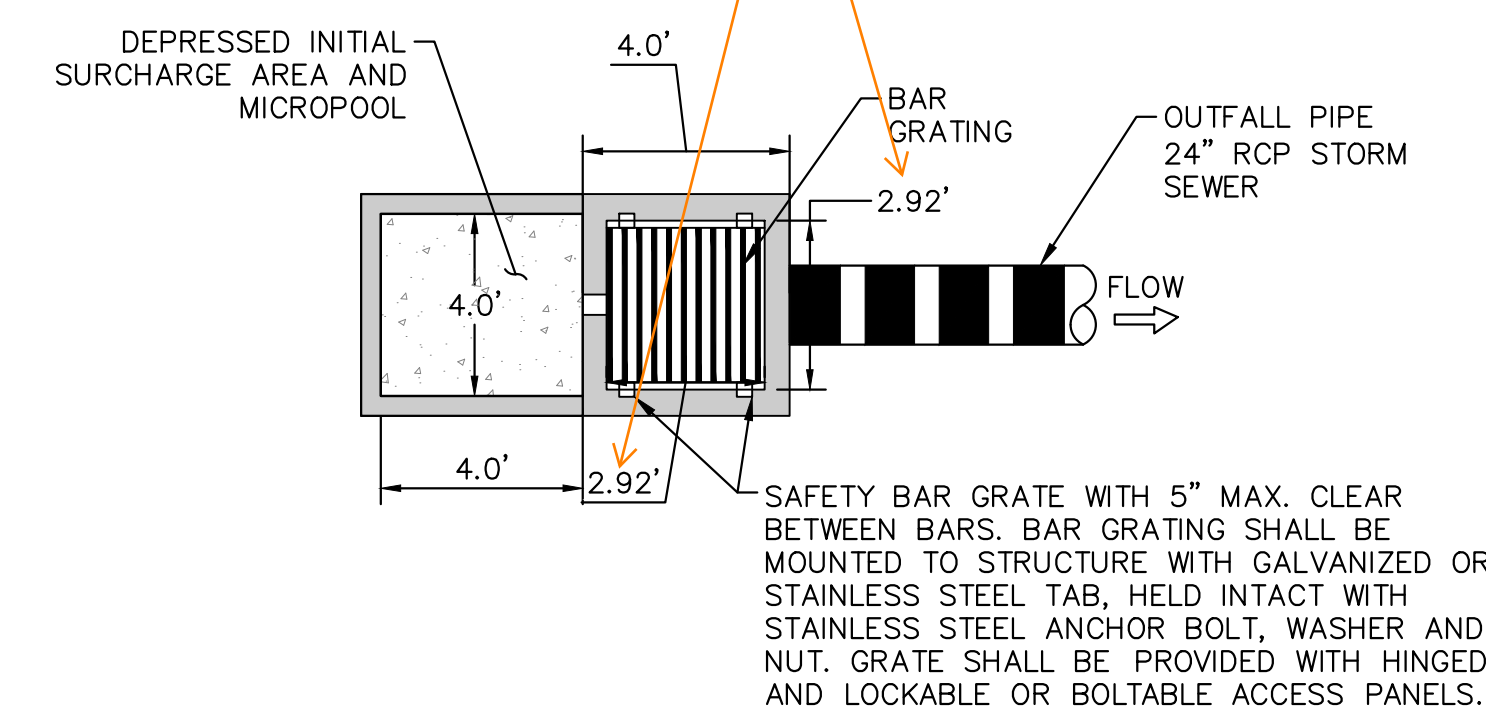
1. WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
2. BAR GATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
3. TRASH RACK OPEN AREAS ARE FOR SPECIFIED TRASH RACK MATERIALS. TOTAL TRASH 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

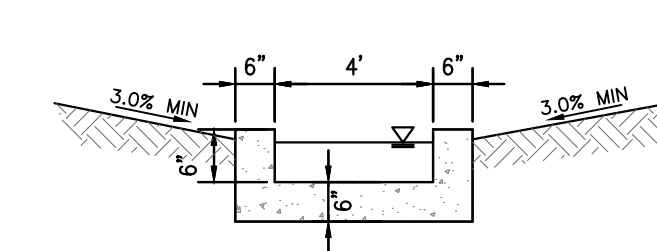
1. ALL SAFETY GRATES SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED AND LOCKABLE OR BOLTABLE ACCESS PANELS.
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3. SAFETY GRATES SHALL BE DESIGNED SUCH THAT THE DIAGONAL DIMENSION OF EACH OPENING IS SMALLER THAN THE DIAMETER OF 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.

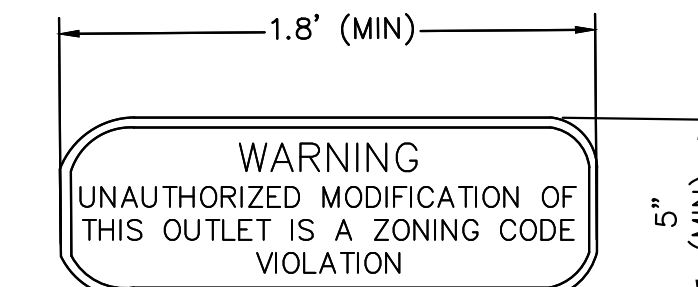


OUTLET STRUCTURE PLAN VIEW DETAIL
N.T.S.



CONCRETE TRICKLE CHANNEL
1"=5"

- * CONTRACTOR TO INSTALL CONTROL JOINTS @ 10' SPACING



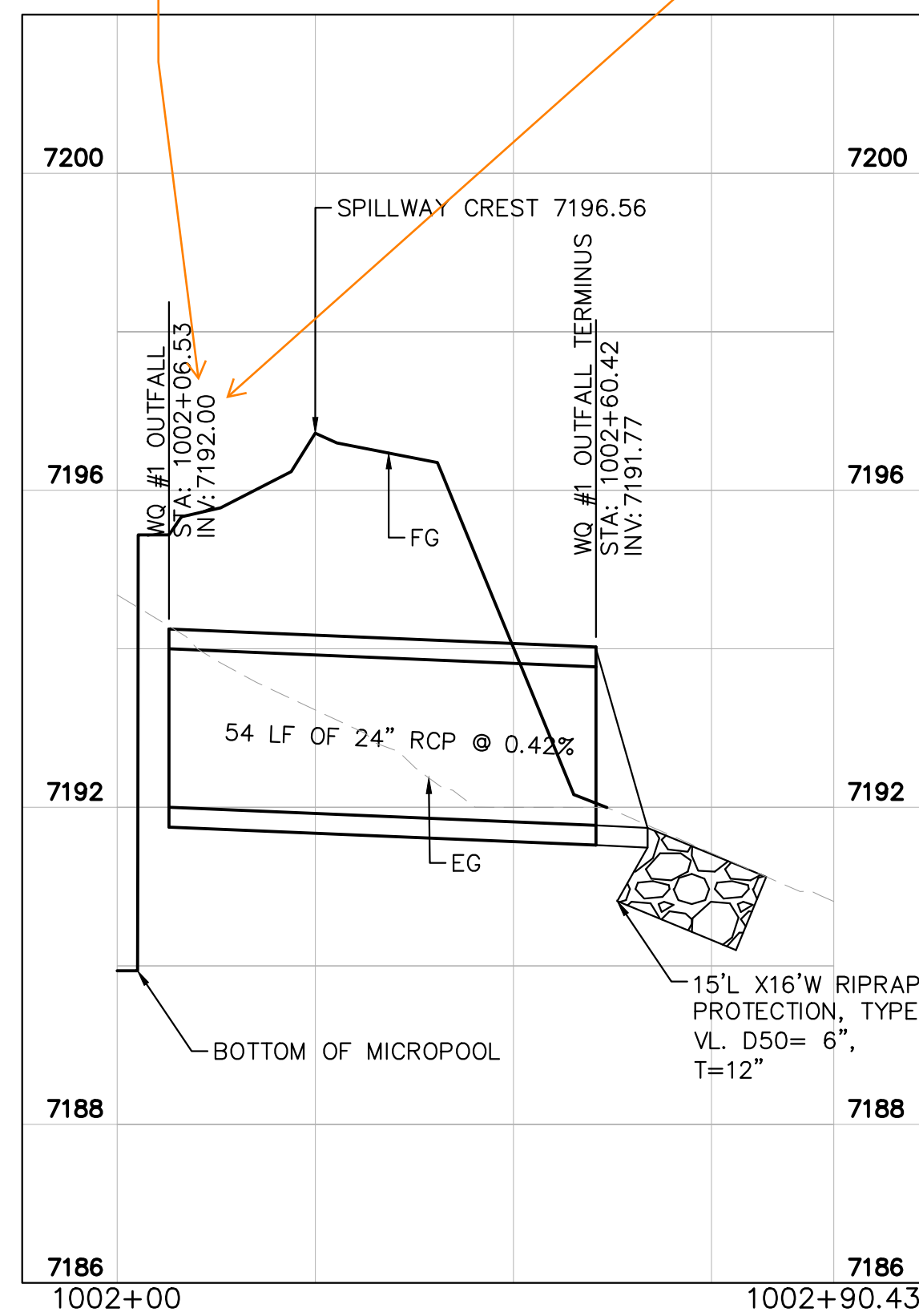
OUTLET SIGNAGE
N.T.S.

OUTLET SIGNAGE NOTES

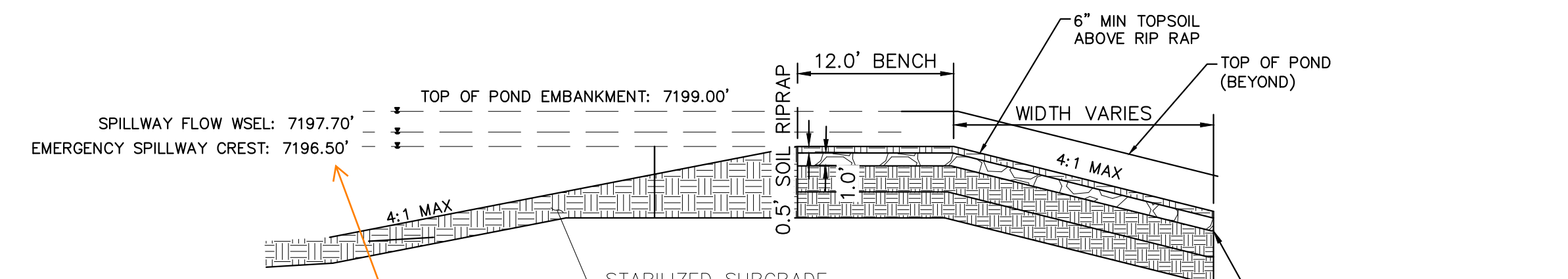
1. SIGN SHALL BE A MINIMUM OF 0.75 SQUARE FEET AND SHALL BE ATTACHED TO THE OUTLET OR POSTED NEARBY.

KH Response:
Updated in the UD Detention spreadsheet

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.

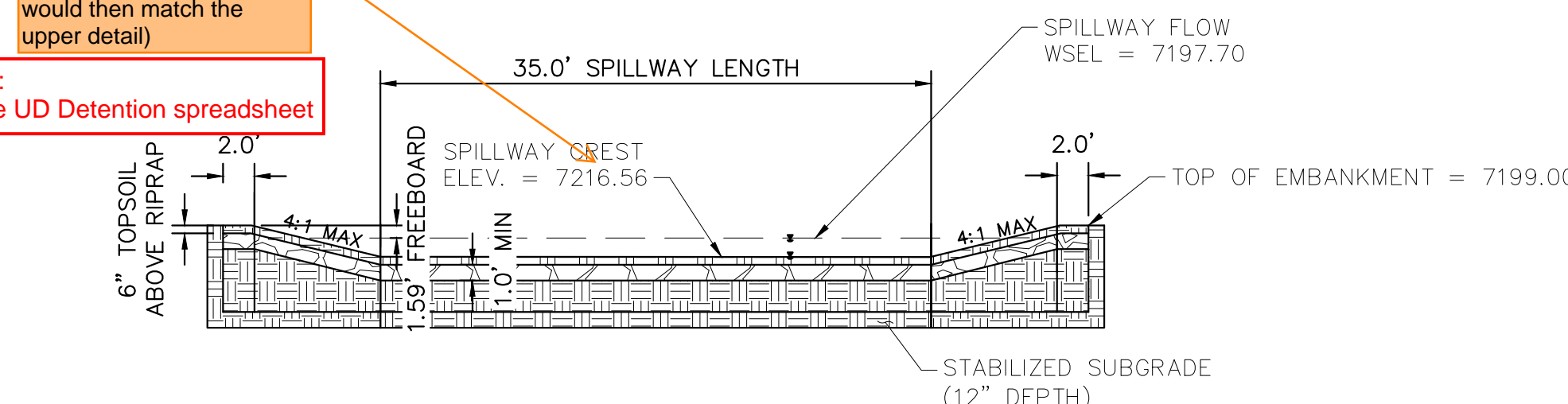


WATER QUALITY #1 OUTFALL
1"=20'

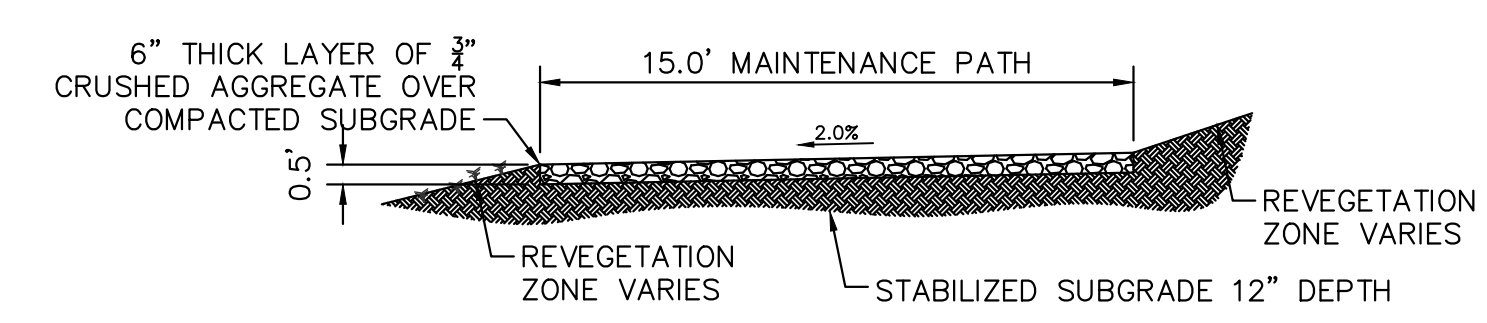


EMERGENCY SPILLWAY DETAILS
1"=10'

to match MHFD-Detention calcs, the bottom detail should be 7196.5 (which would then match the upper detail)
KH Response:
Updated in the UD Detention spreadsheet



EMERGENCY SPILLWAY
1"=10'



MAINTENANCE ROAD
1"=5"

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



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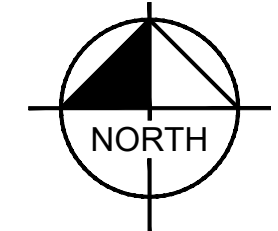
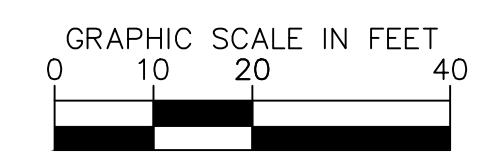
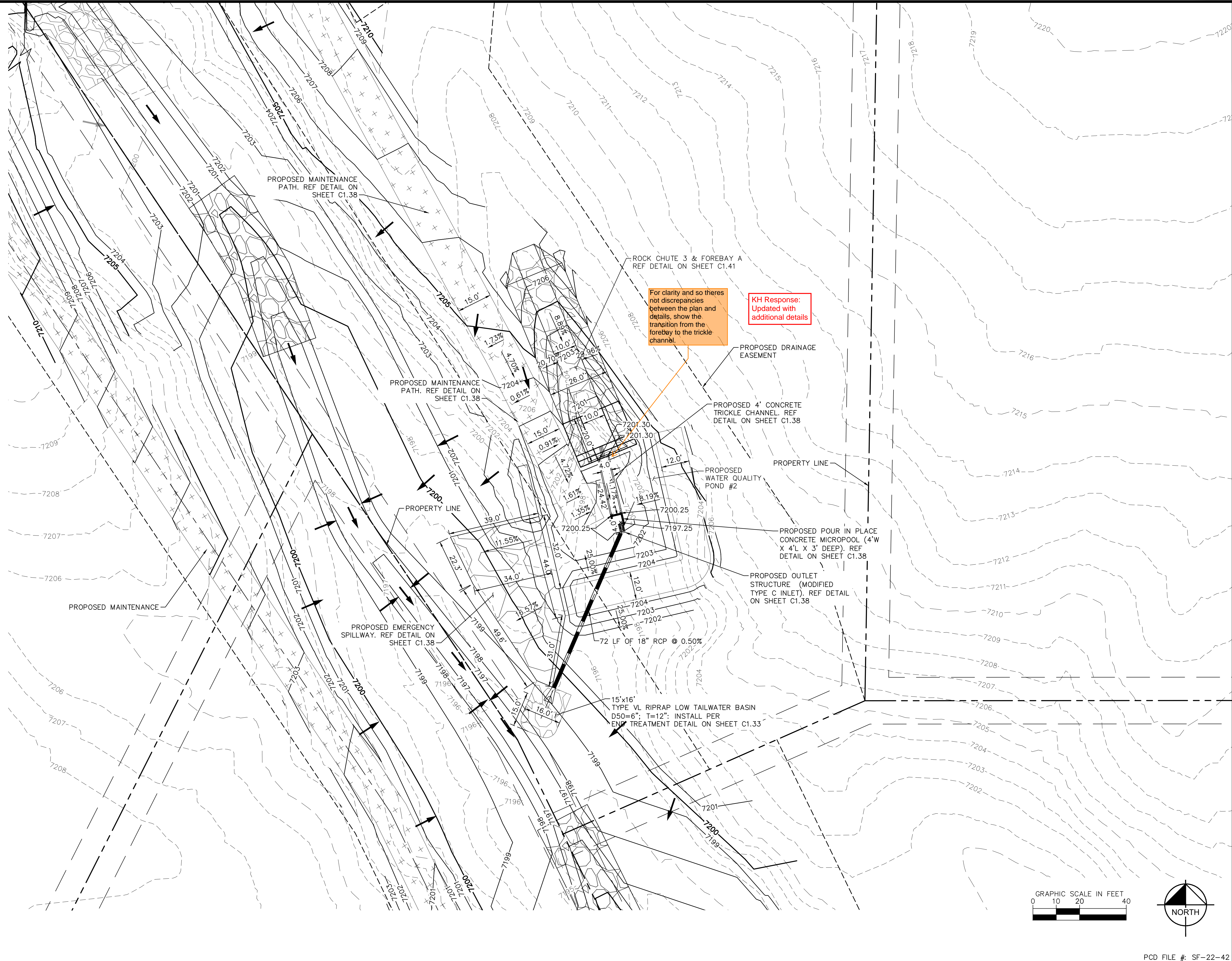
EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
WATER QUALITY POND #1 DETAILS

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Kimley-Horn and Associates, Inc.

PROJECT NO.
196106001
SHEET

C1.36

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WATER QUALITY POND #2

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PROJECT NO.
196106001
SHEET

C1.37

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ORIFICE PLATE NOTES

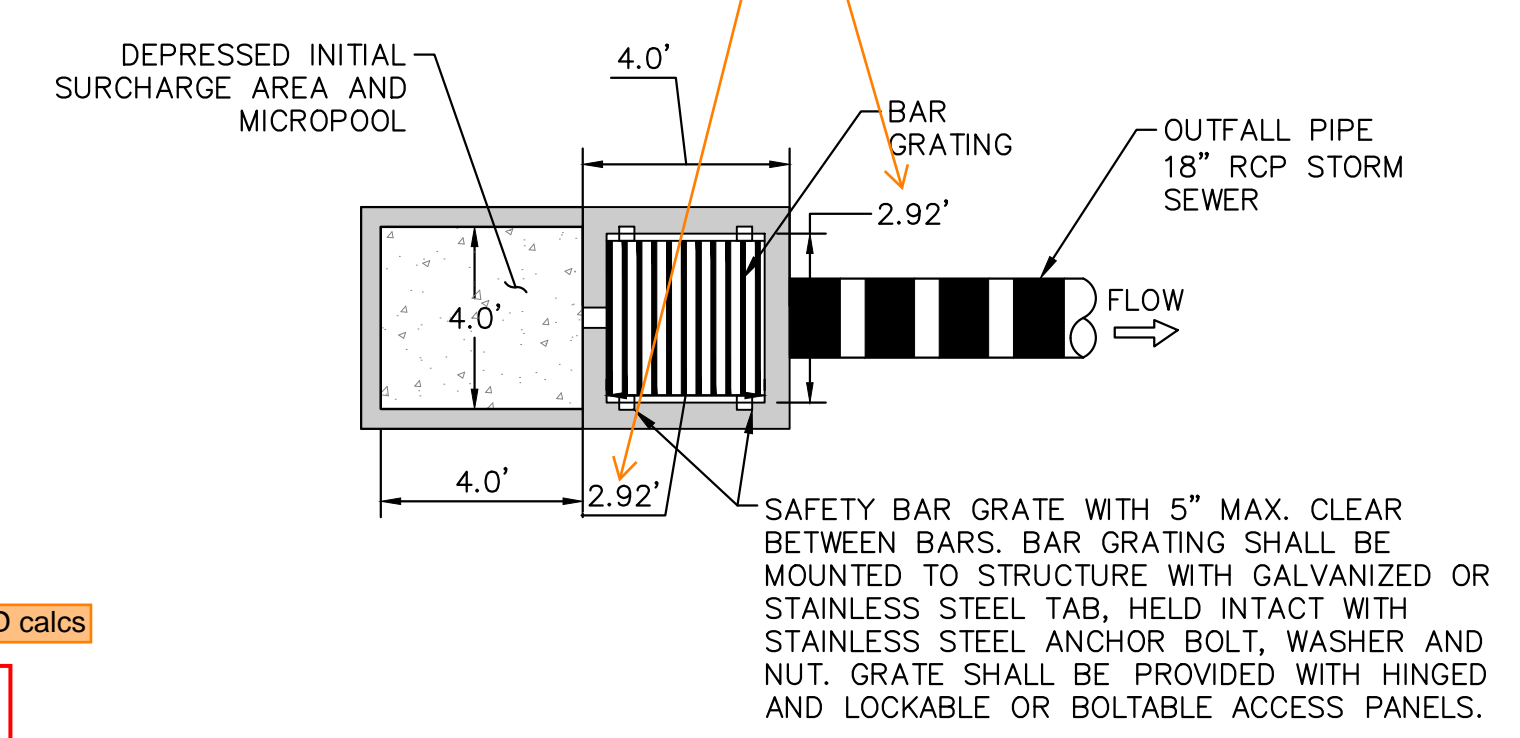
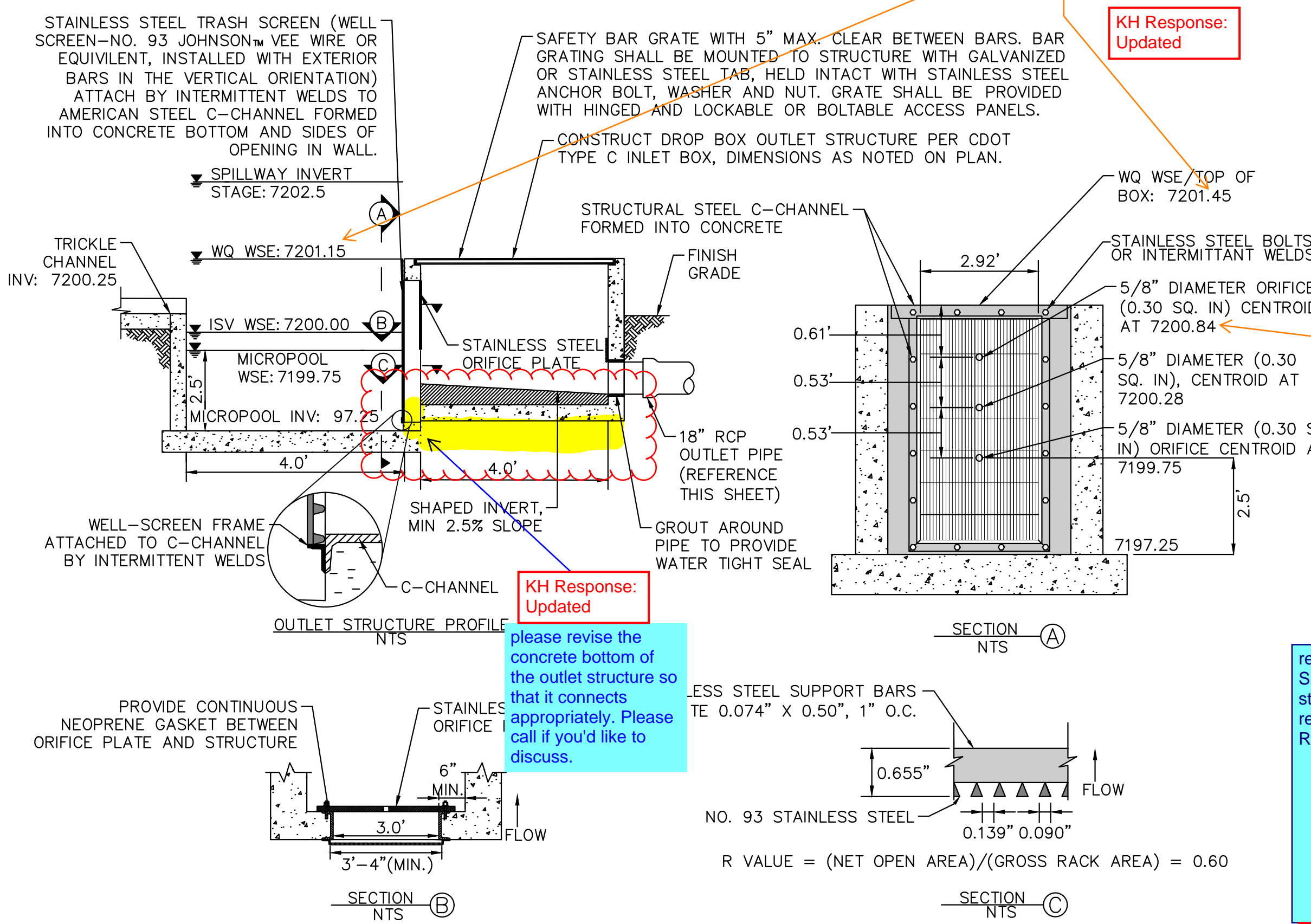
1. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
2. BOLT PLATE TO CONCRETE 12" MAX. ON CENTER, WITH A PLATE THICKNESS OF 0.25".

EURV AND WQCV TRASH RACKS

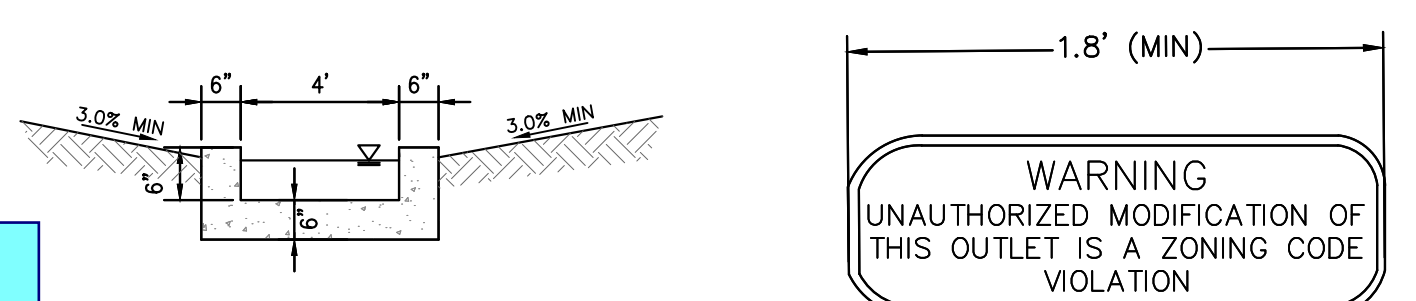
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OUTLET STRUCTURE PLAN VIEW DETAIL
N.T.S.



CONCRETE TRICKLE CHANNEL
1"=5"

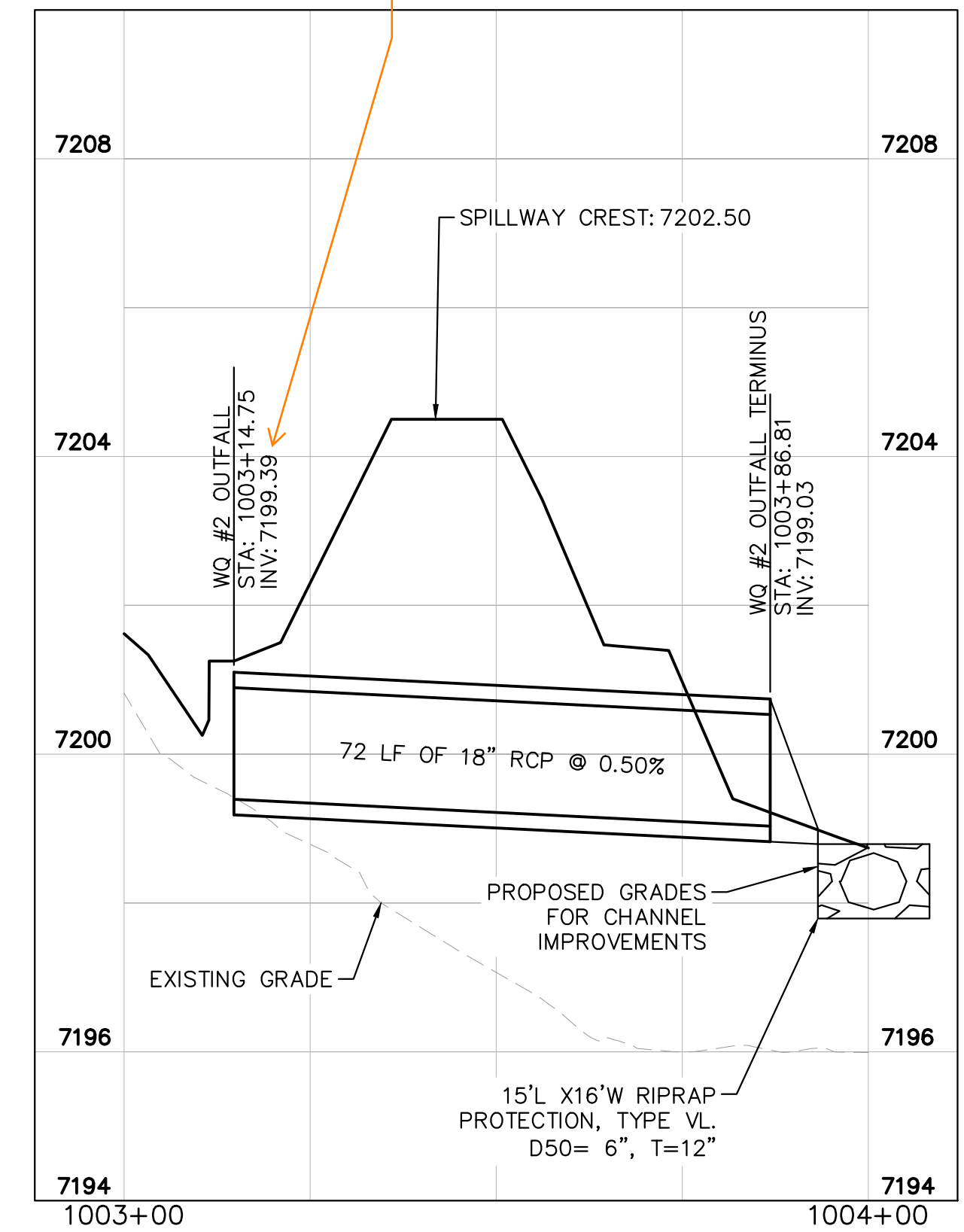
OUTLET SIGNAGE
N.T.S.

- * CONTRACTOR TO INSTALL CONTROL JOINTS @ 10' SPACING

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

KH Response: Updated in the UD Detention spreadsheet

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



WATER QUALITY #2 OUTFALL
1"=20"

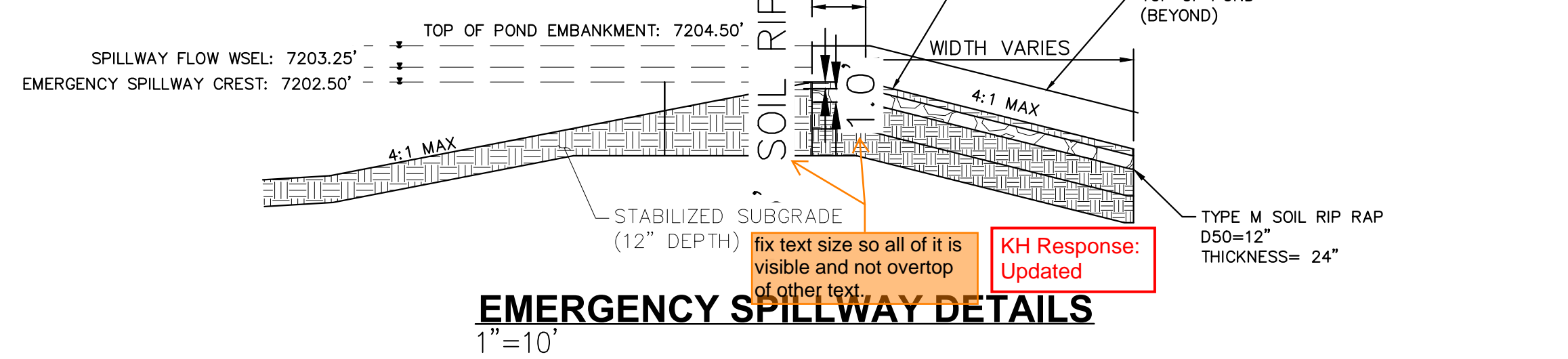
OUTLET STRUCTURE PROFILE DETAIL
N.T.S.

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

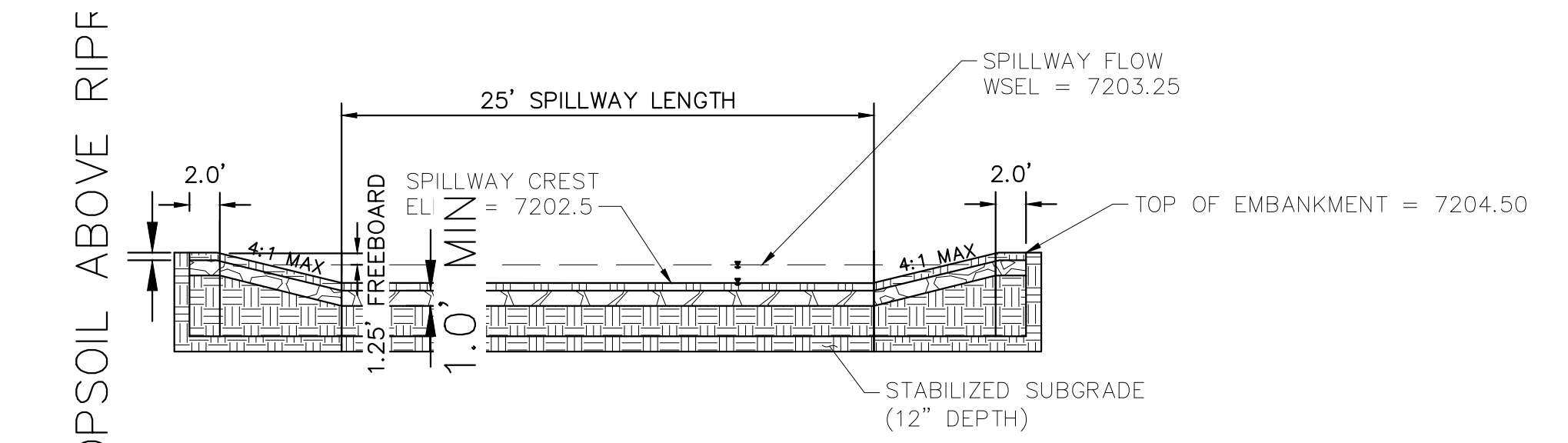
KH Response: Updated
Per meeting, not providing steps in outlet structure

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.

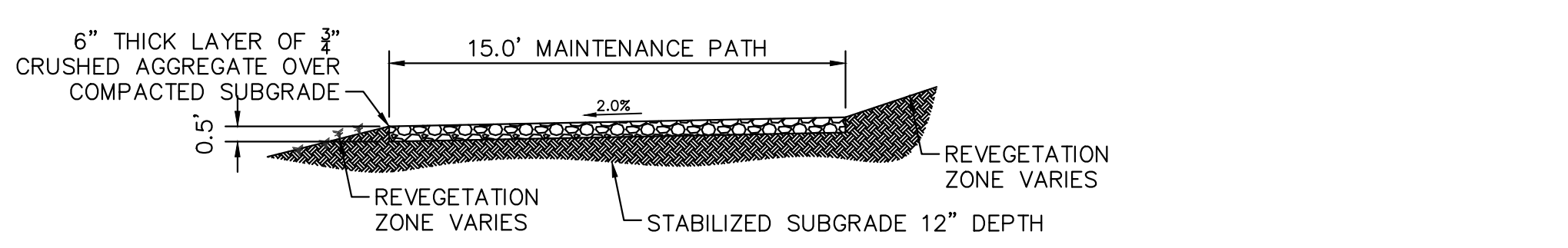
KH Response: Updated



EMERGENCY SPILLWAY DETAILS
1"=10"

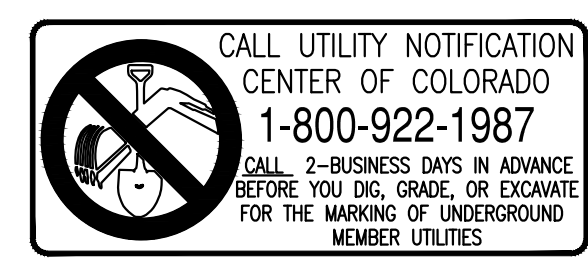


EMERGENCY SPILLWAY
1"=10"



MAINTENANCE ROAD
1"=5"

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



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

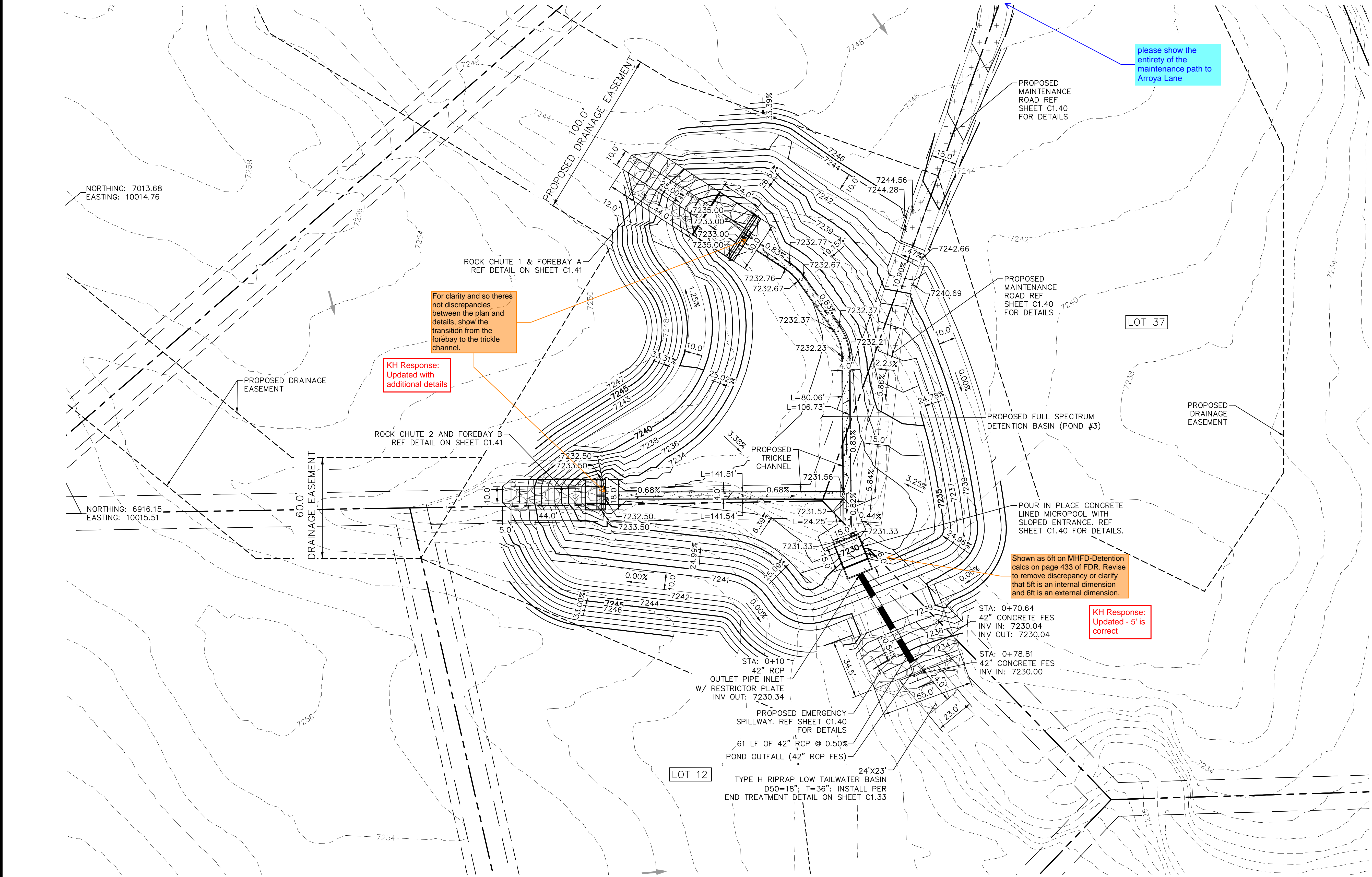
EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
WATER QUALITY POND #2 DETAILS

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PROJECT NO.
196106001
SHEET

C1.38

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For clarity and so there are not discrepancies between the plan and details, show the transition from the forebay to the trickle channel.
KH Response: Updated with additional details

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.

KH Response: Updated - 5' is correct

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 PLAN

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 Kimley-Horn and Associates, Inc.

PROJECT NO.
 196106001
 SHEET

C1.39

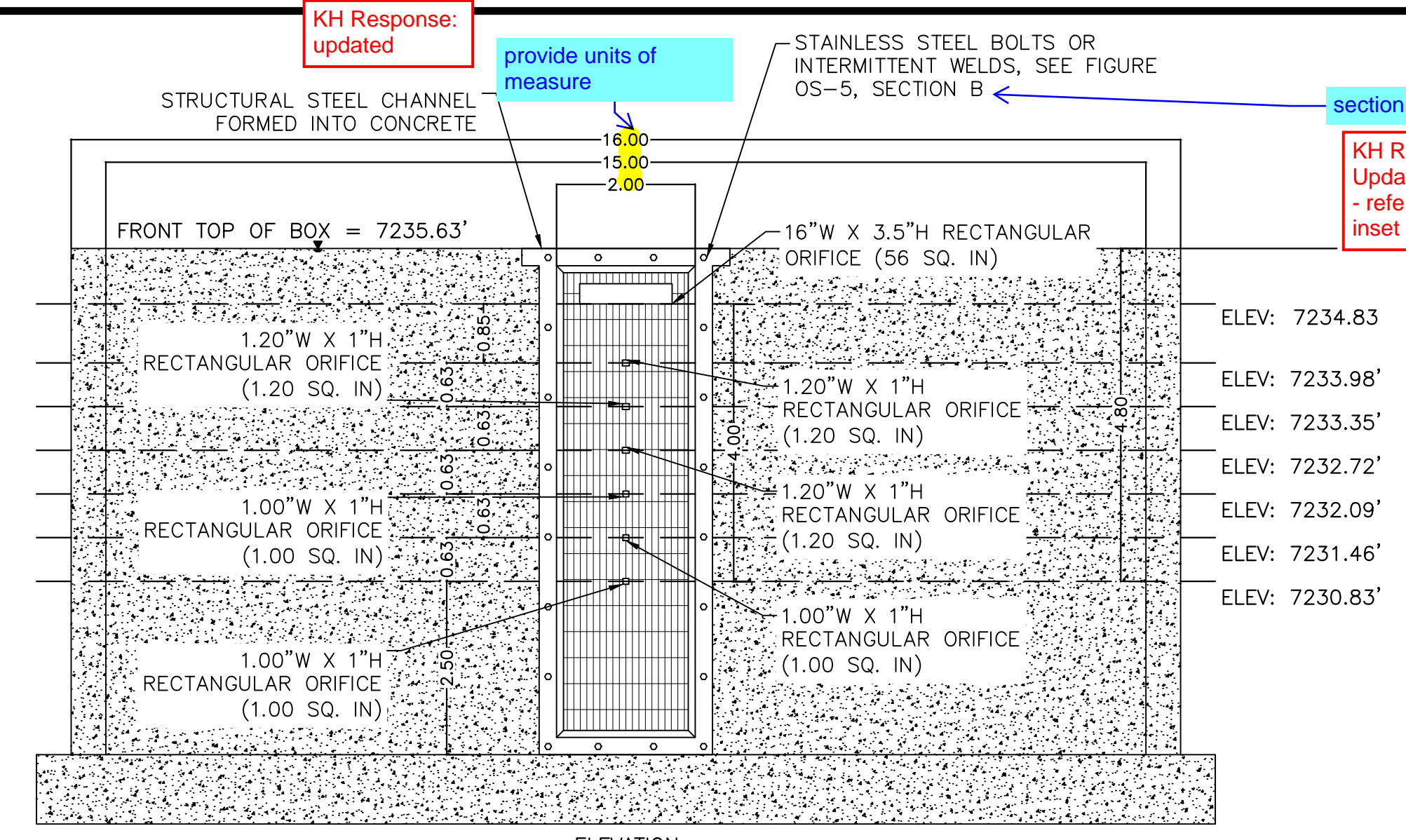
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811 Know what's below. Call before you dig.

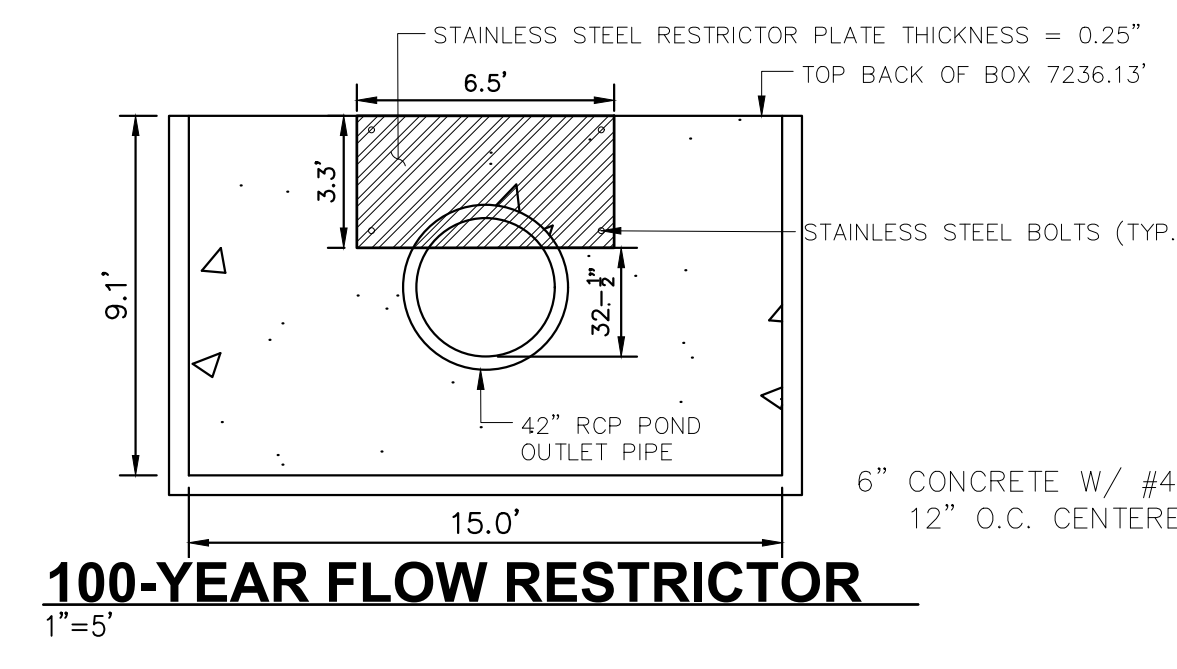
CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987

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

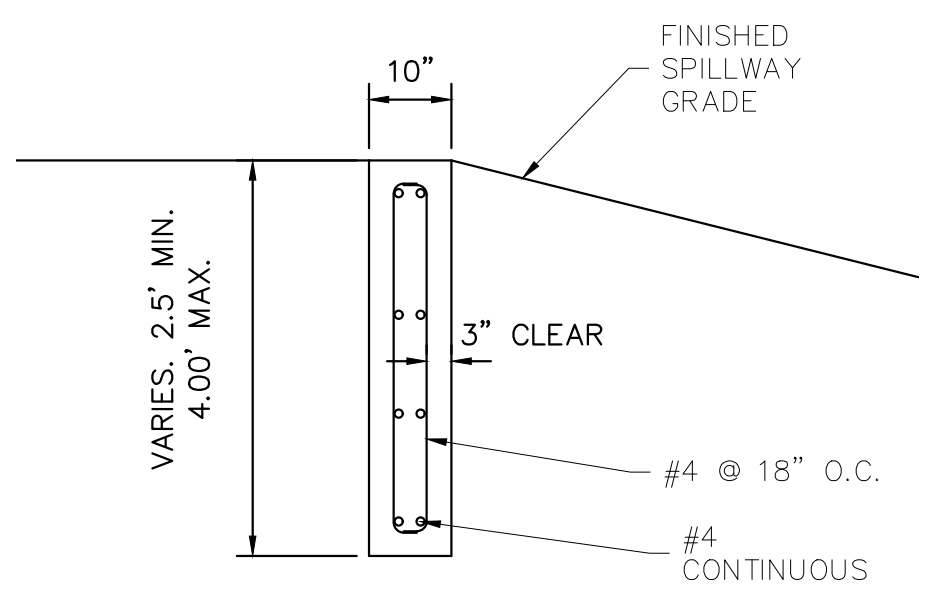


ORIFICE PLATE AND TRASH RACK DETAIL
1"=2'

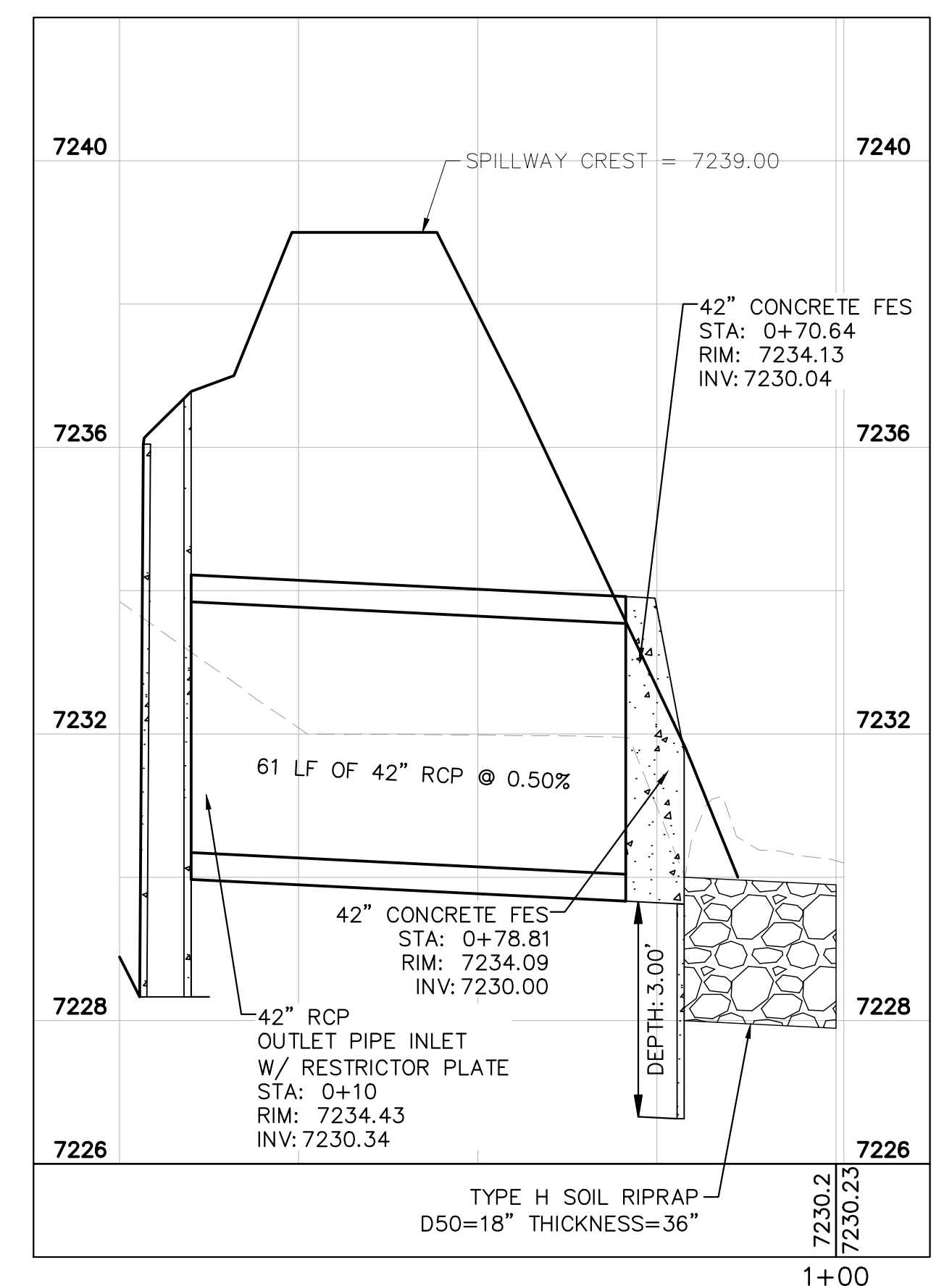
- ORIFICE PLATE NOTES**
1. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
 2. BOLT PLATE TO CONCRETE 12" MAX. ON CENTER. WITH A PLATE THICKNESS OF 0.25".
- EURV AND WQCV TRASH RACKS**
1. WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT 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.



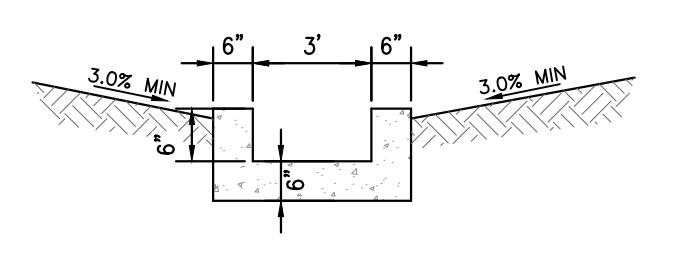
100-YEAR FLOW RESTRICTOR
1"=5'



SECTION CREST WALL DETAIL
1"=2'

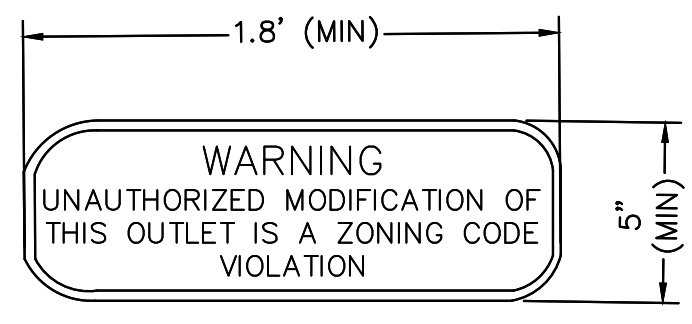


POND #3 OUTFALL PROFILE
1"=20'



CONCRETE TRICKLE CHANNEL
1"=5'

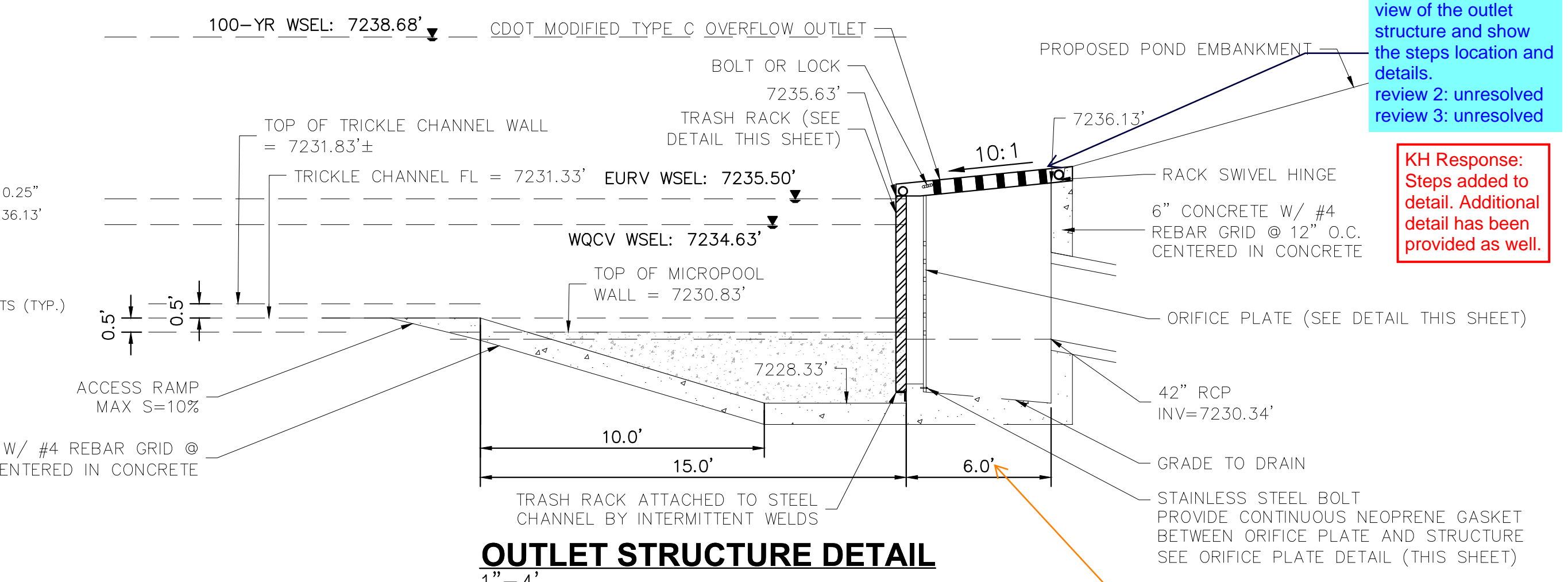
* CONTRACTOR TO INSTALL CONTROL JOINTS @ 10' SPACING



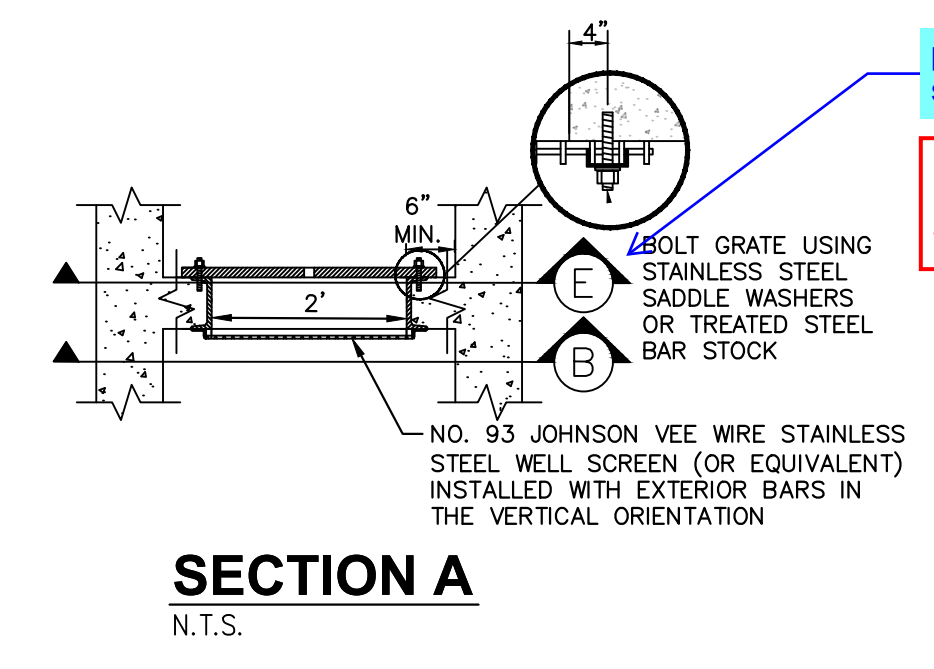
OUTLET SIGNAGE
N.T.S.

OUTLET SIGNAGE NOTES

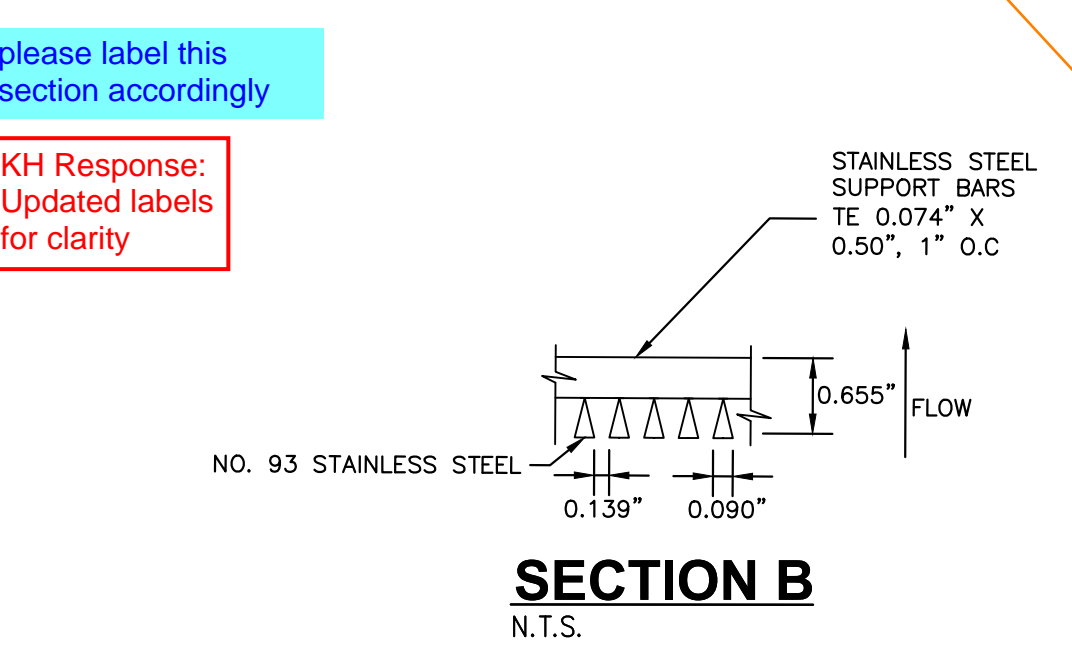
1. SIGN SHALL BE A MINIMUM OF 0.75 SQUARE FEET AND SHALL BE ATTACHED TO THE OUTLET OR POSTED NEARBY.



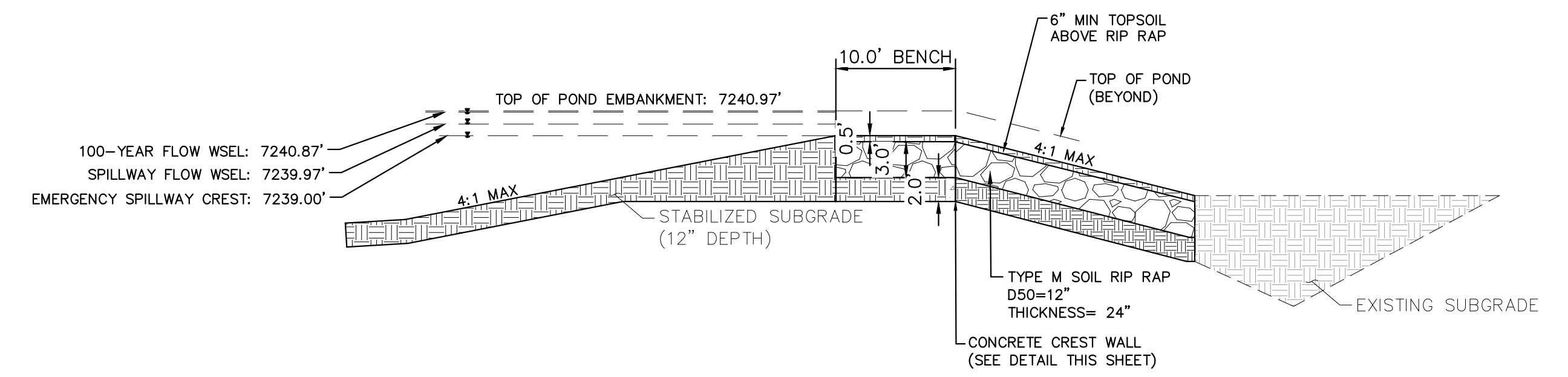
OUTLET STRUCTURE DETAIL
1"=4'



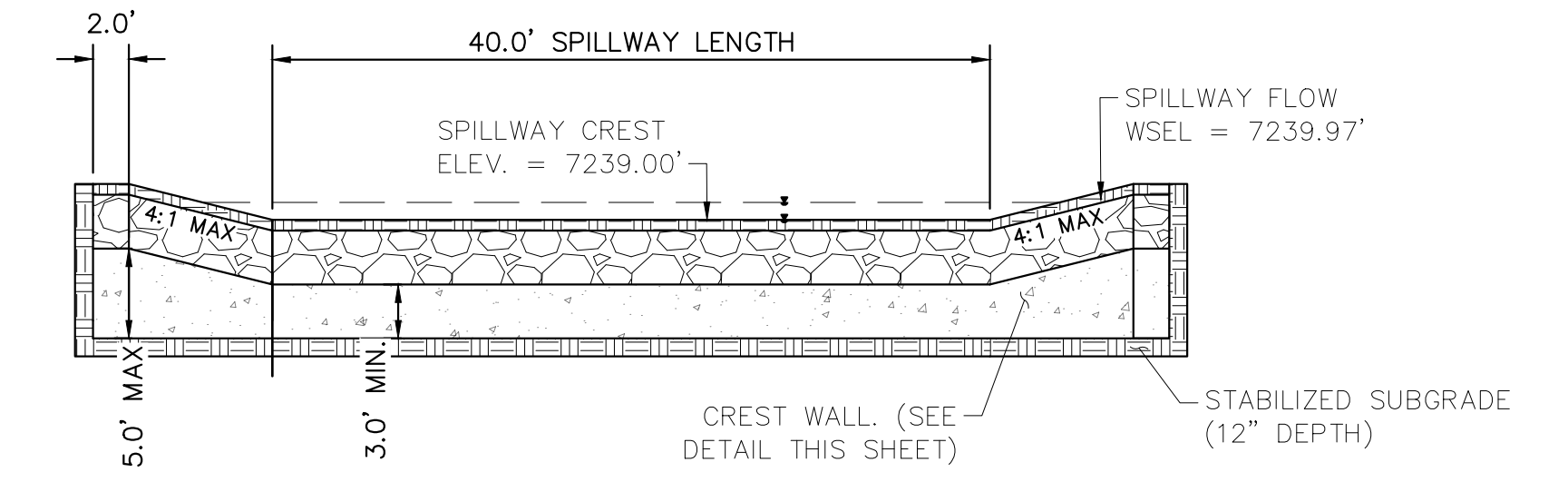
SECTION A
N.T.S.



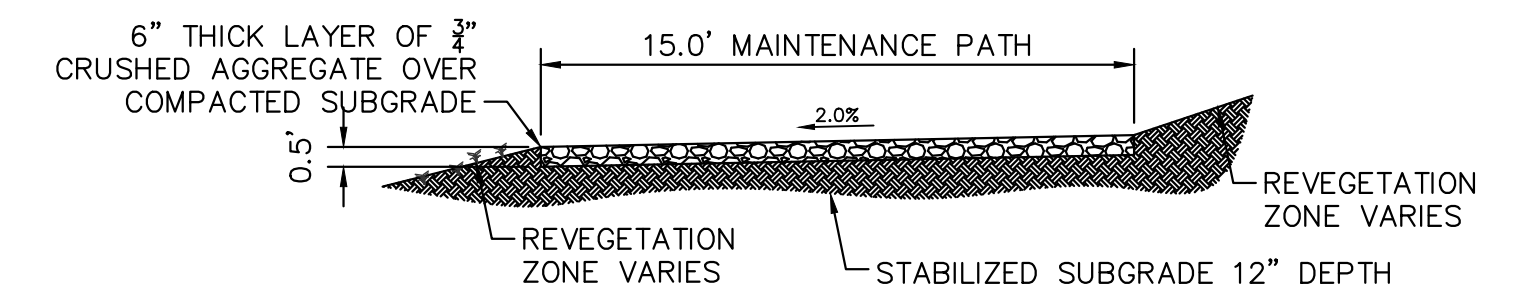
SECTION B
N.T.S.



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

KH Response: Steps added to detail. Additional detail has been provided as well.

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.

KH Response: Updated to 5.0'

please label this section accordingly
KH Response: Updated labels for clarity

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: KRK
DATE: 06/27/2024

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
POND 3 DETAILS

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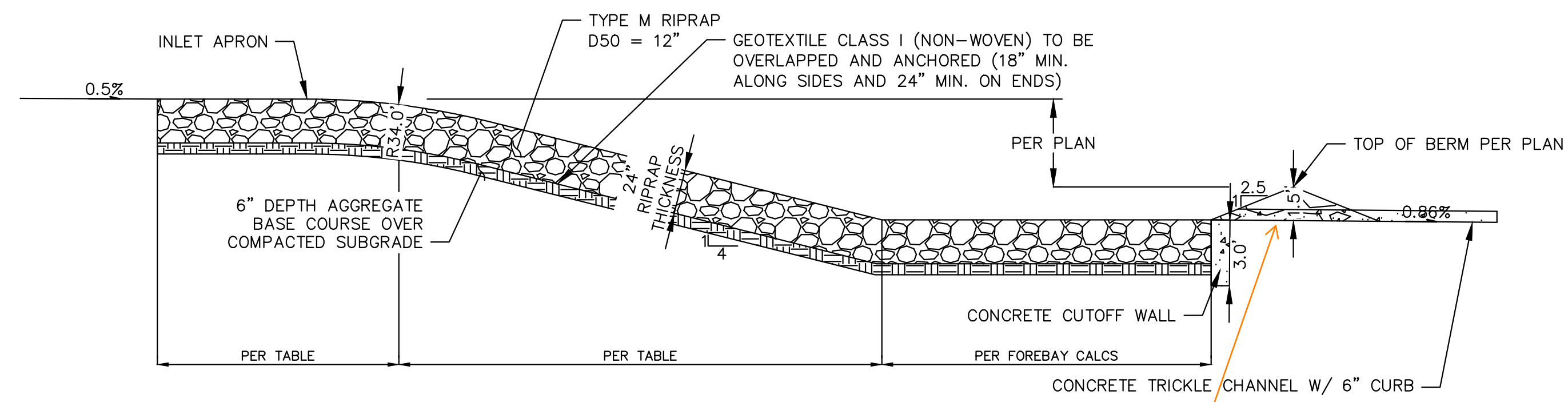
Kimley-Horn
Kimley-Horn and Associates, Inc.

PROJECT NO.
196106001

SHEET

C1.40

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDA\CD_ROCK_CHUTE DTL.dwg Schmelbach, Ryan 6/27/2024 1:13 PM

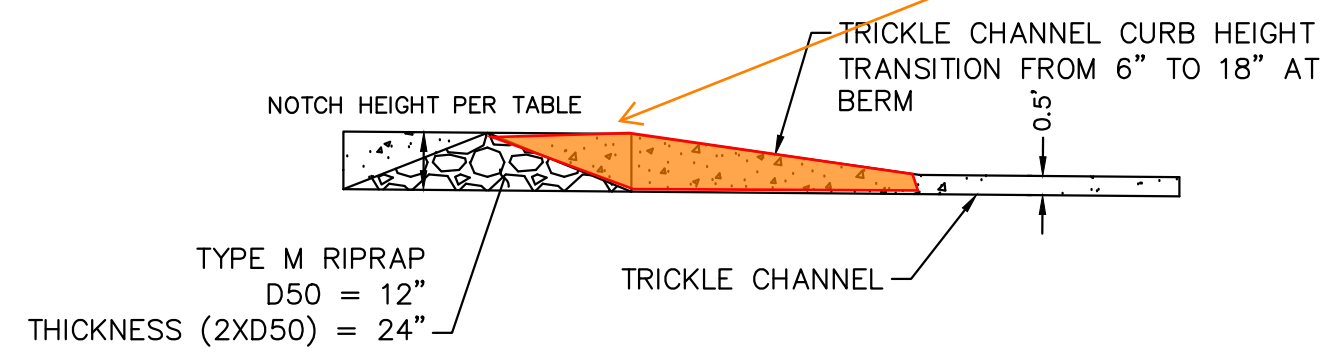


ROCK CHUTE PROFILE - POND TRICKLE CHANNEL APPLICATION

1" = 5'

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

KH Response: updated



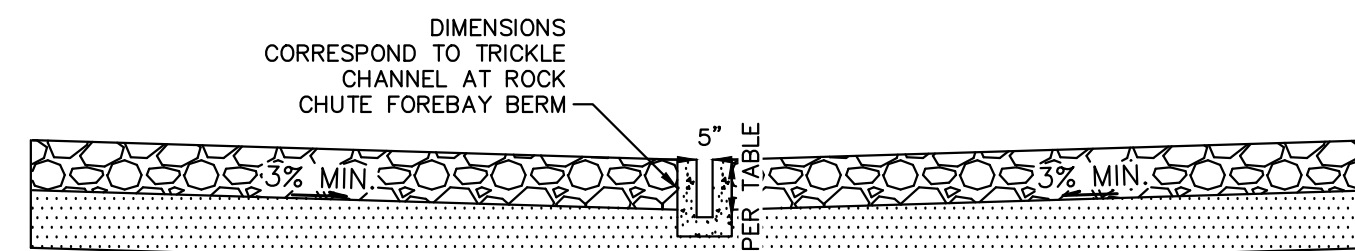
TRICKLE CHANNEL - PROFILE

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.

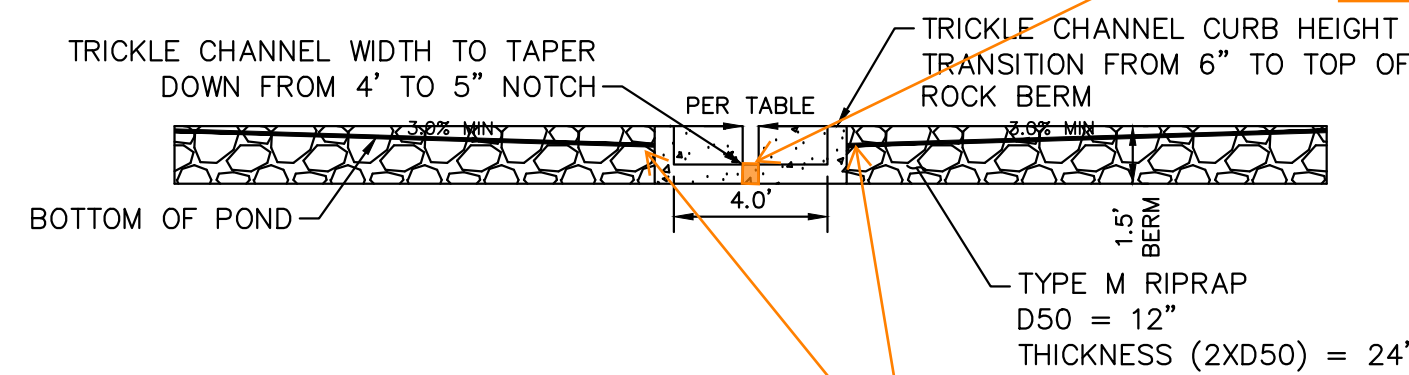
KH Response: Additional details provided



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'

KH Response: Bottom of pond is graded to top of trickle channel. The forebay is graded to facilitate flows into the trickle channel

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)

KH Response: Labels updated - trickle channel and notch have the same flowline elevation

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.

KH Response: Updated to provide pond and forebay information

- 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	PB14 (10%)	96	12	6	64	16	10	12	24	3.0	34	6.0	1.5
4	PB15	PB6, PB7, PB15 (55%) 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	PB4, PB5, PB15 (10%)	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: KRK
 DATE: 06/27/2024

EAGLEVIEW
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
 ROCK CHUTE DETAILS

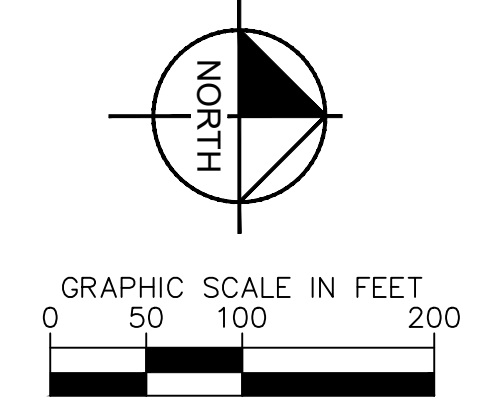
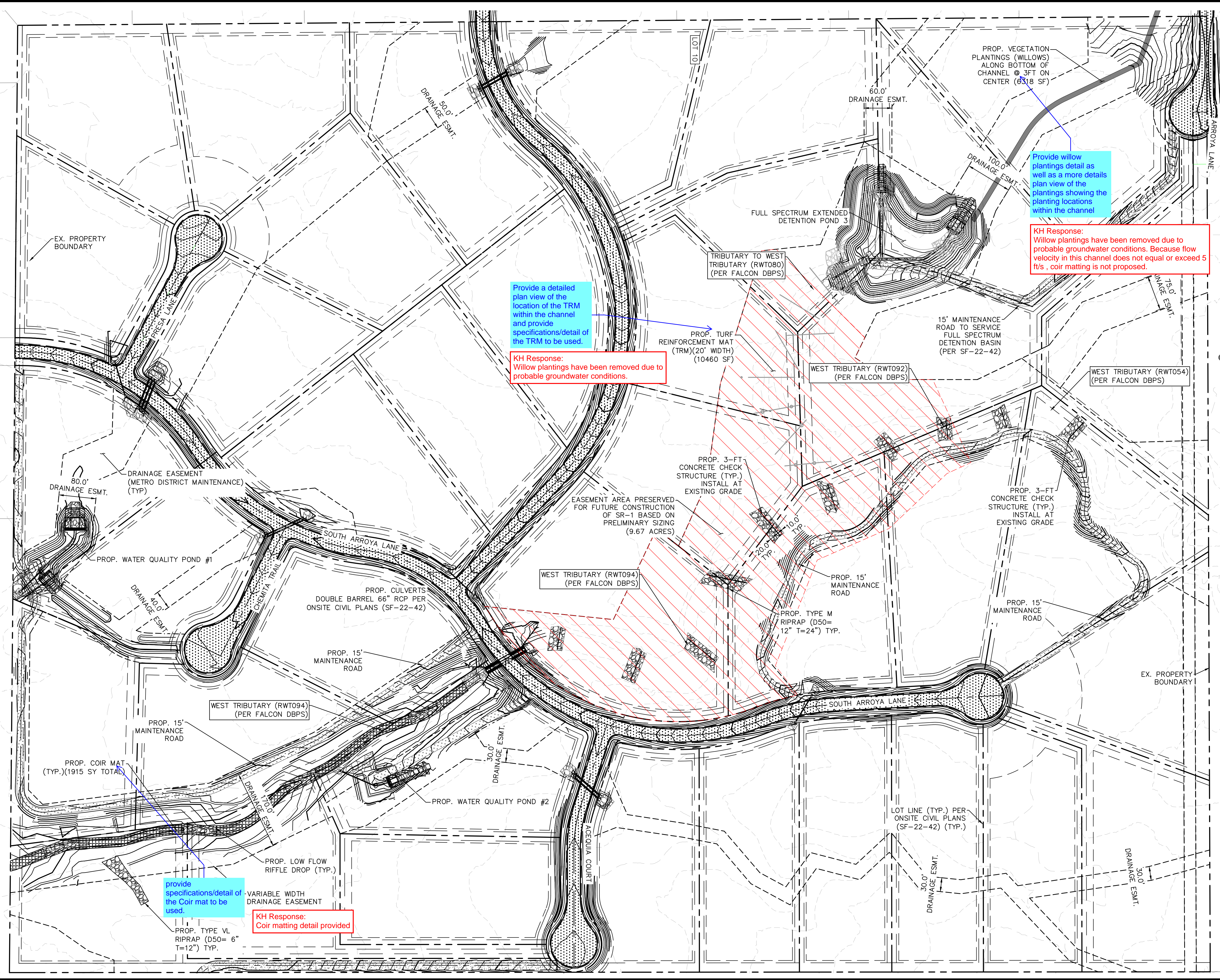
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 Kimley-Horn and Associates, Inc.

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.

KH Response: Willow plantings have been removed due to probable groundwater conditions.

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

KH Response: Willow plantings have been removed due to probable groundwater conditions. Because flow velocity in this channel does not equal or exceed 5 ft/s, coir matting is not proposed.

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

KH Response: Coir matting detail provided

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

KH Response: Note has been removed as final design is shown in the plans. Control measures are check structures, riffle drops, and coir matting.

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

NOTES:

- PROPOSED CONCRETE CHECK STRUCTURES SHALL SPAN THE WIDTH OF THE LOW FLOW CHANNEL AND EXTEND 10-FT INTO EACH BANK.
- 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.

Kimley»Horn

DESIGNED BY: DCM
DRAWN BY: DCM
CHECKED BY: BAH
DATE: 5/28/2024

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
OVERALL DRAINAGE IMPROVEMENTS

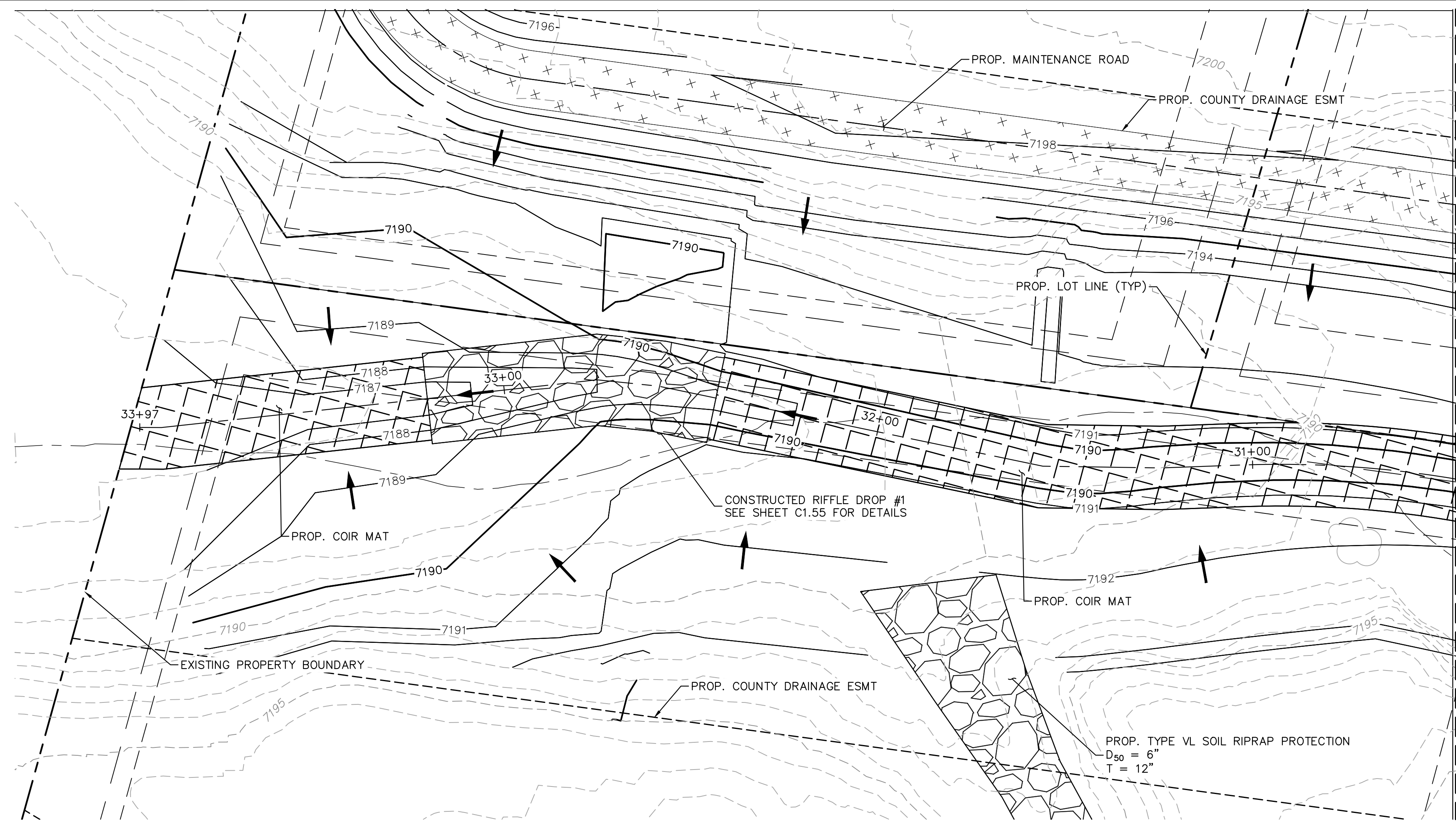
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196288000

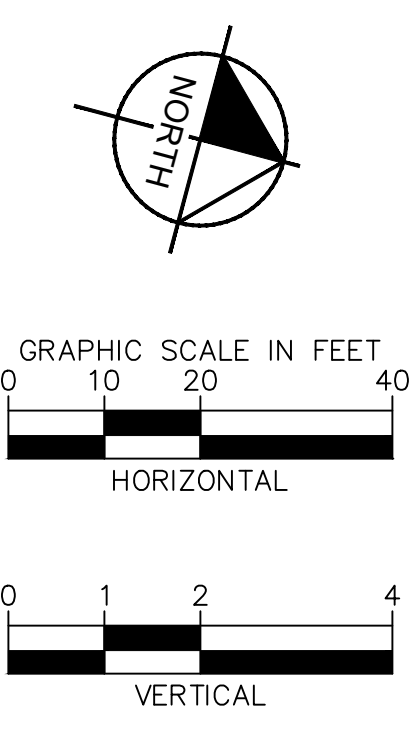
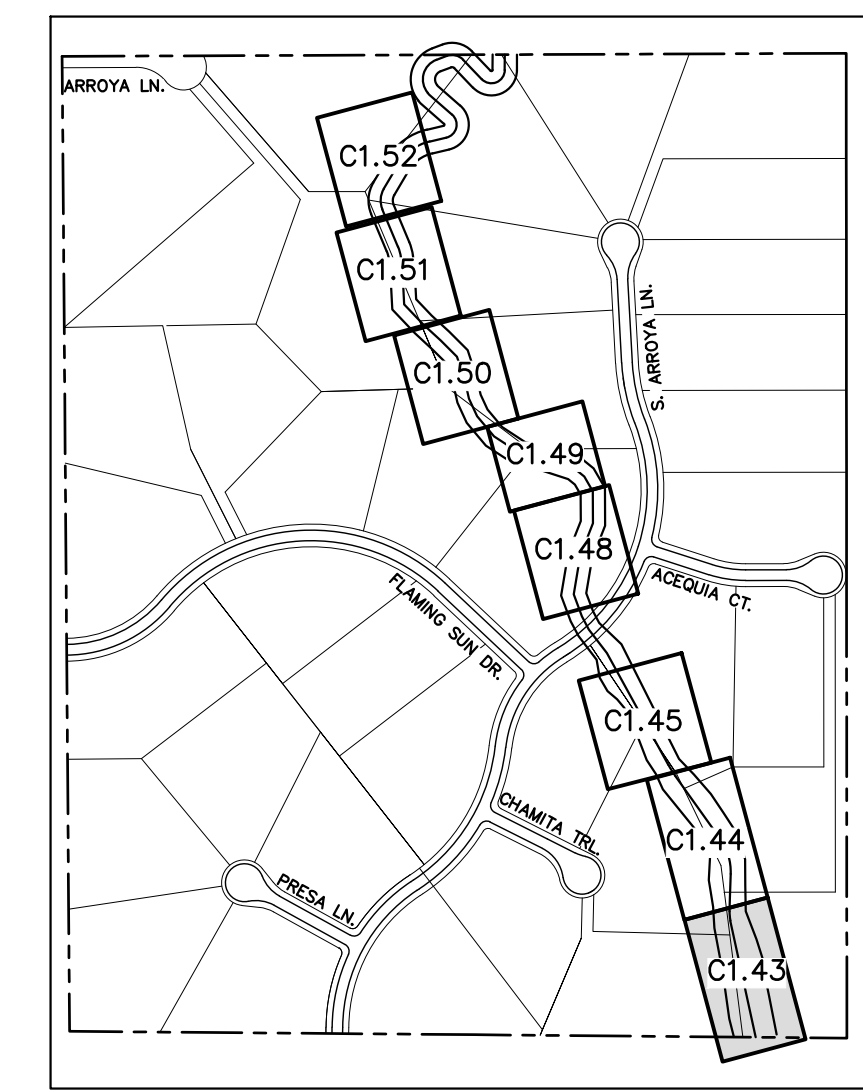
SHEET
C1.42

BY DATE APPR.

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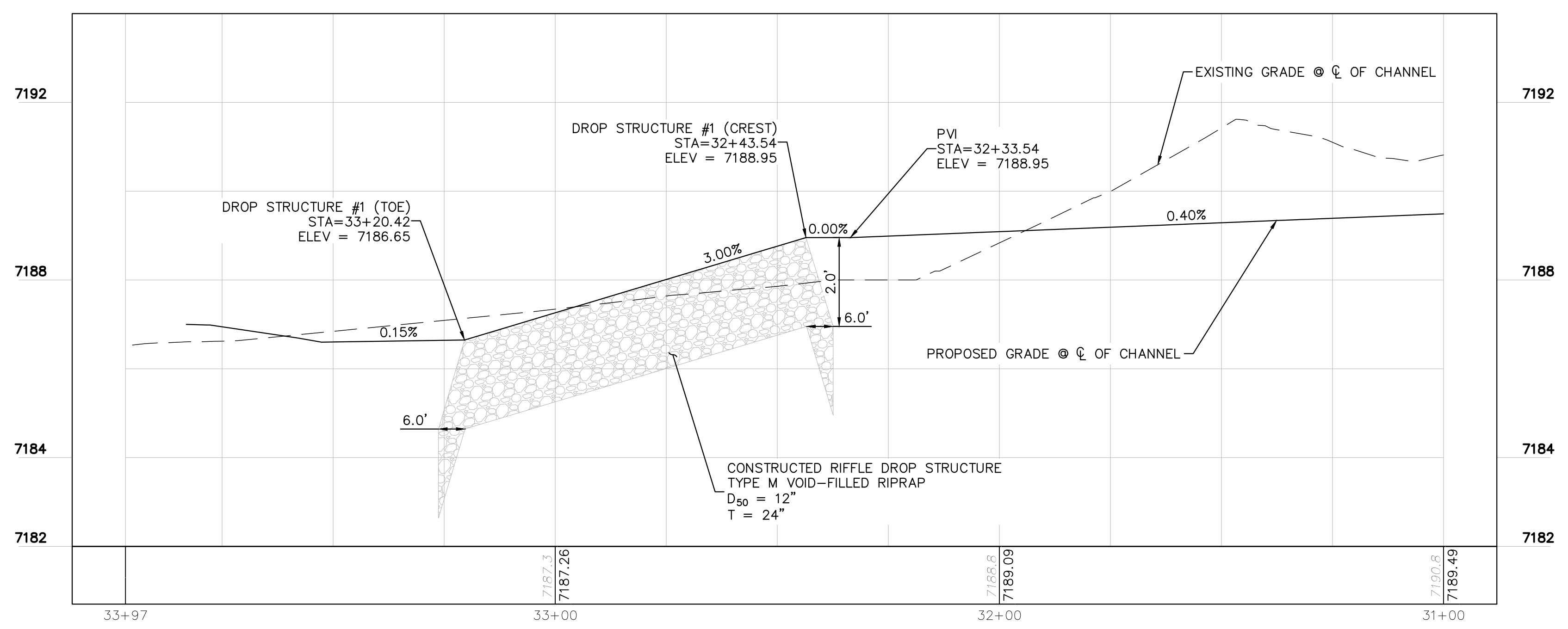
MATCHLINE STA. 30+50 SEE SHEET C1.44



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.

KH Response:
Typical Section (H) accounts for this section of RWT094.



NO.	REVISION	BY	DATE	APPR.

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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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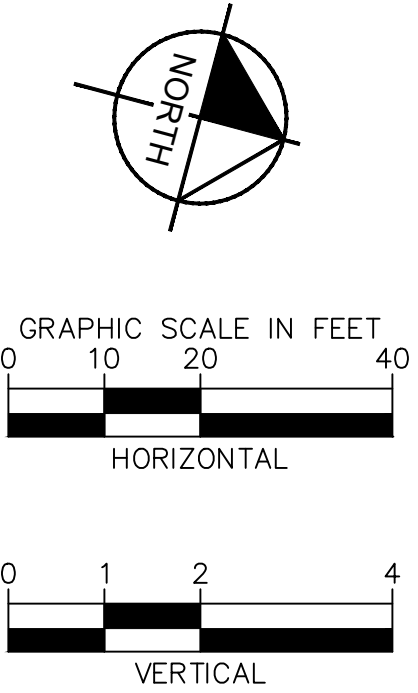
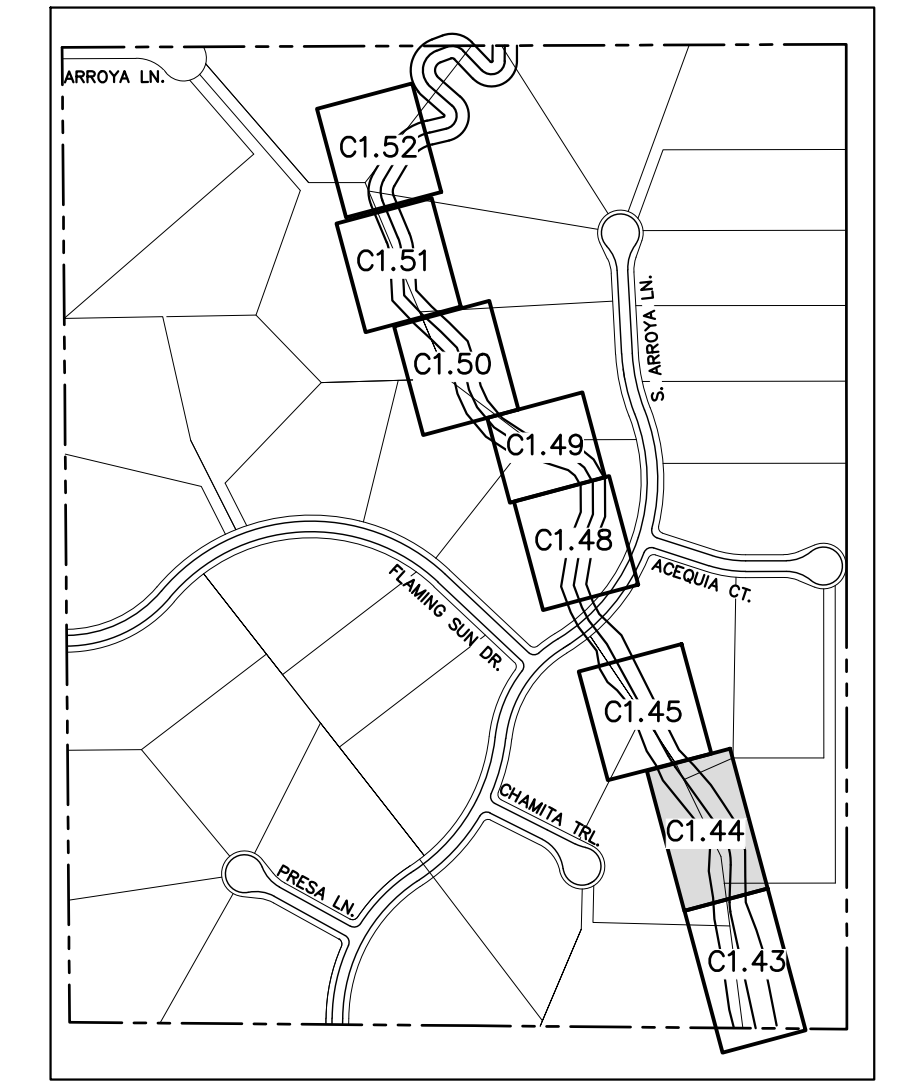
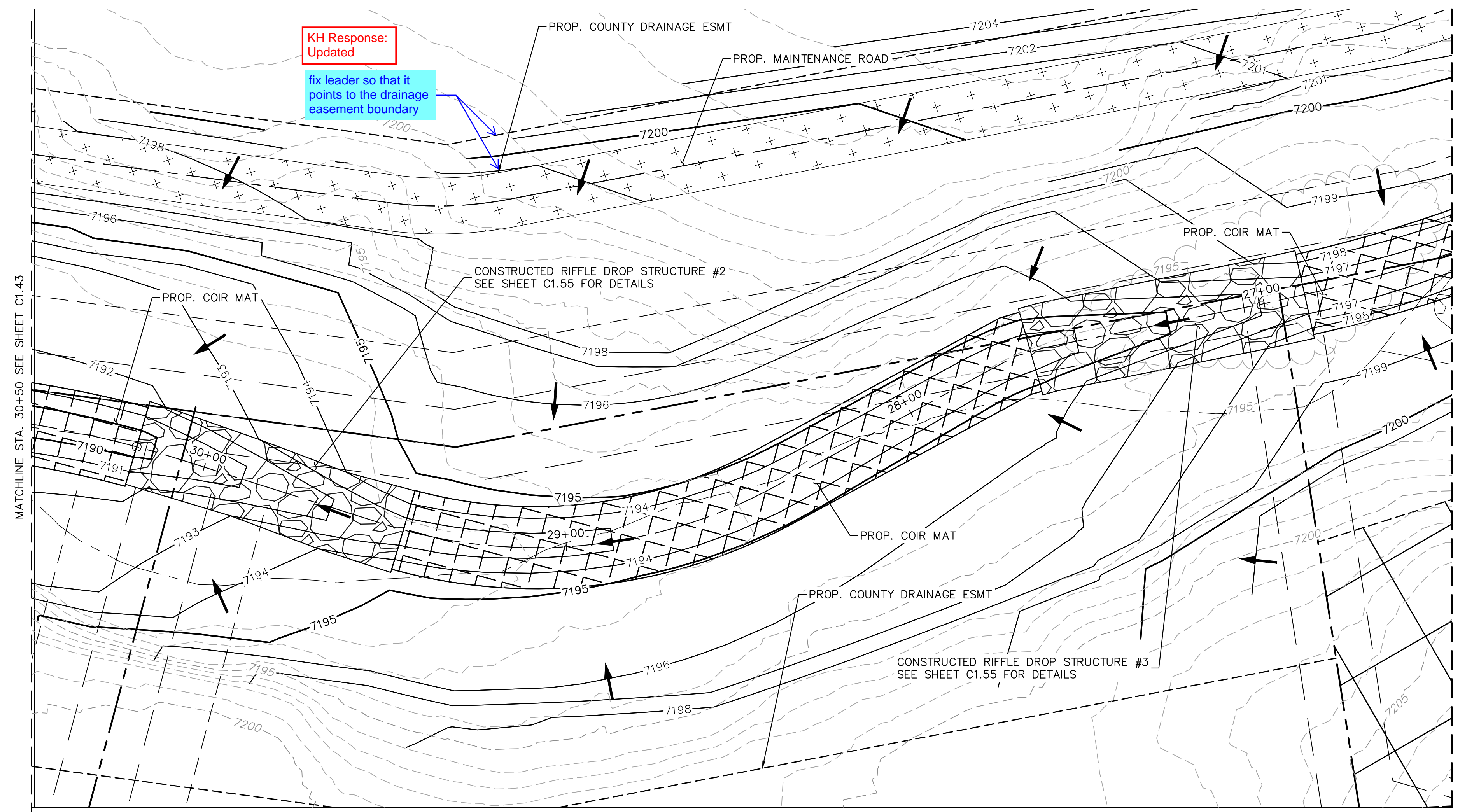
PROJECT NO.
196106001

SHEET

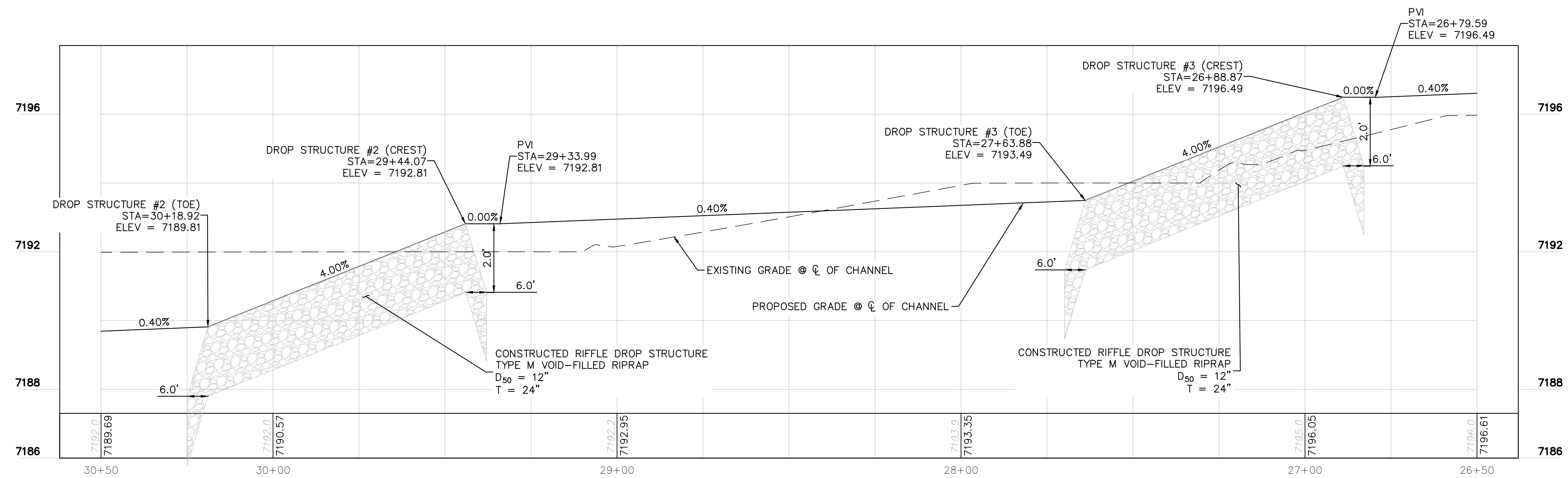
C1.43



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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
SOUTH CHANNEL PLAN & PROFILE

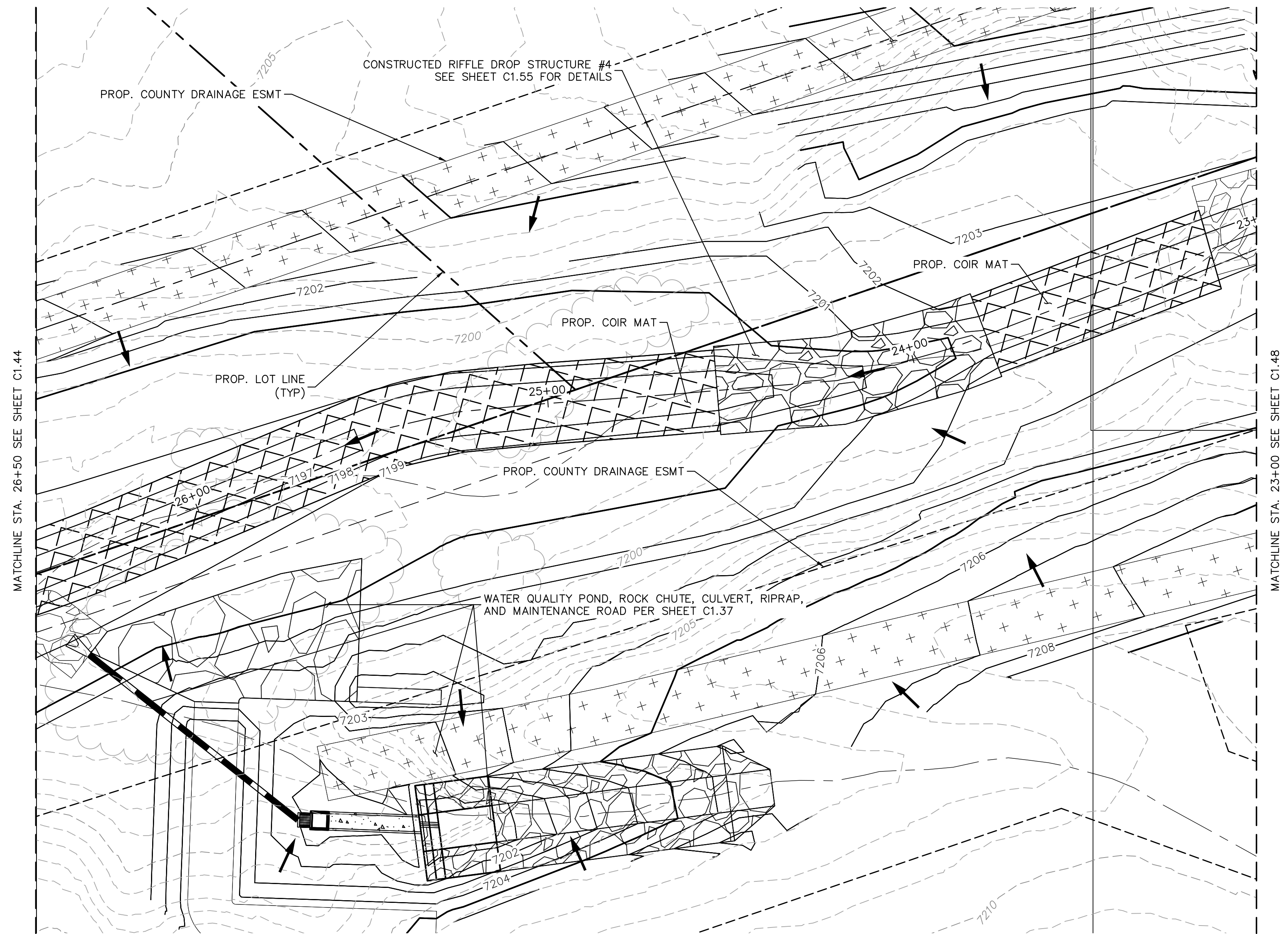
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PROJECT NO.
196106001

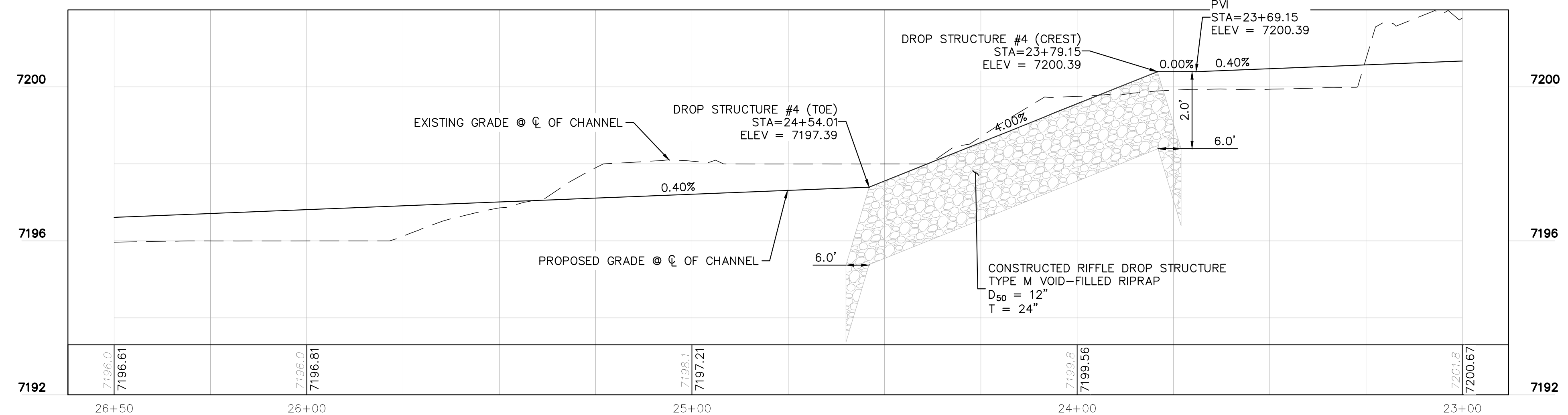
SHEET

C1.44

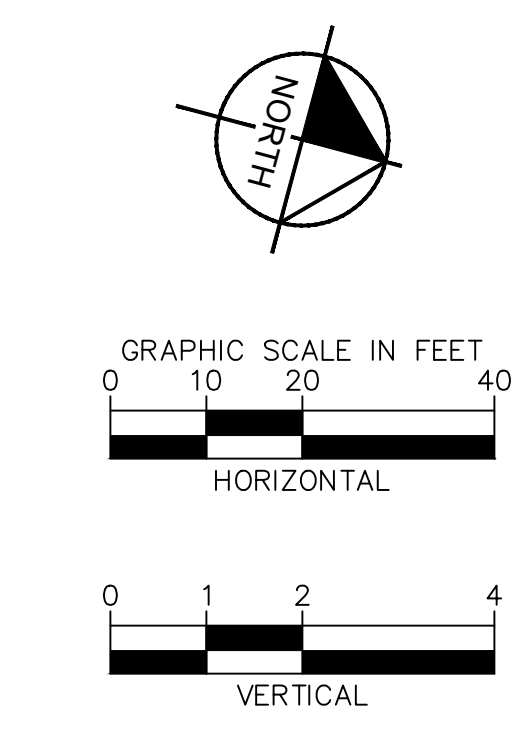
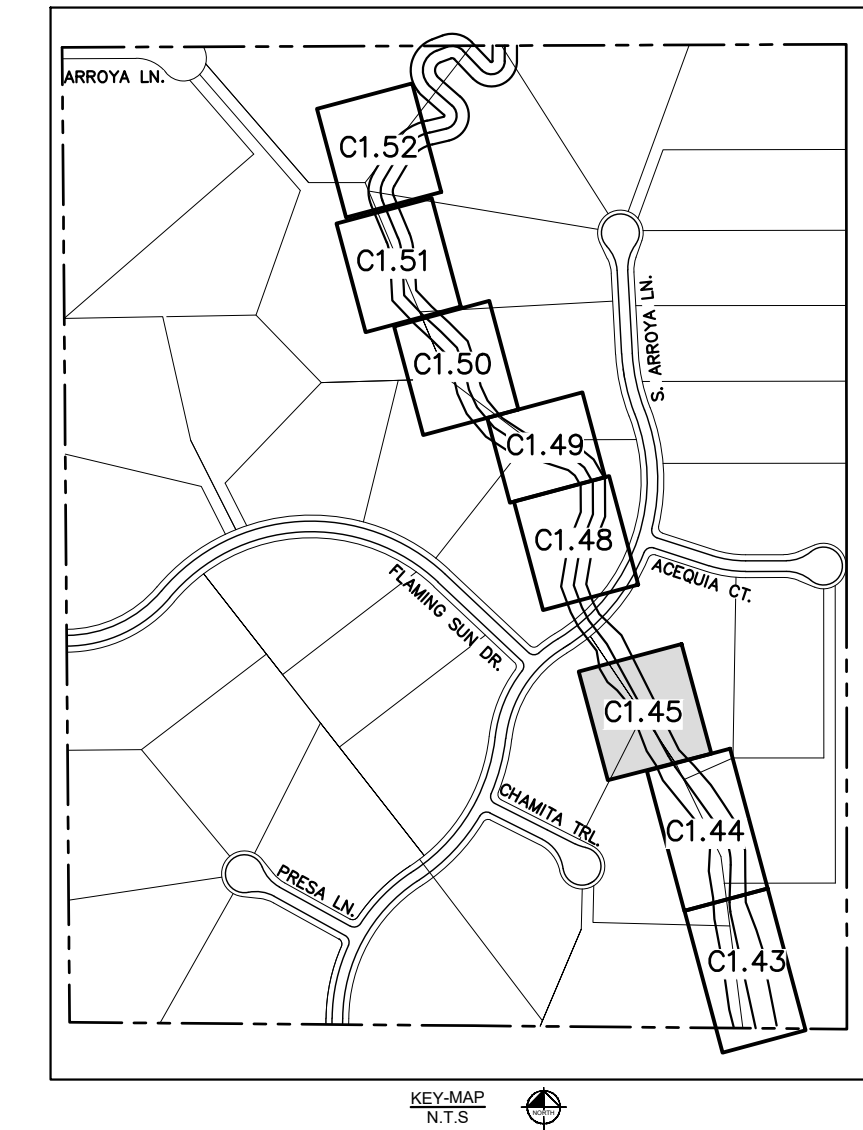
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PLAN VIEW - SOUTH CHANNEL (STA: 26+50-23+00)
RWT094 ~ STA: 386+00



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
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	APPR.

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DESIGNED BY: MJK
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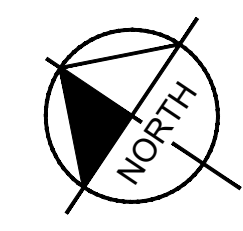
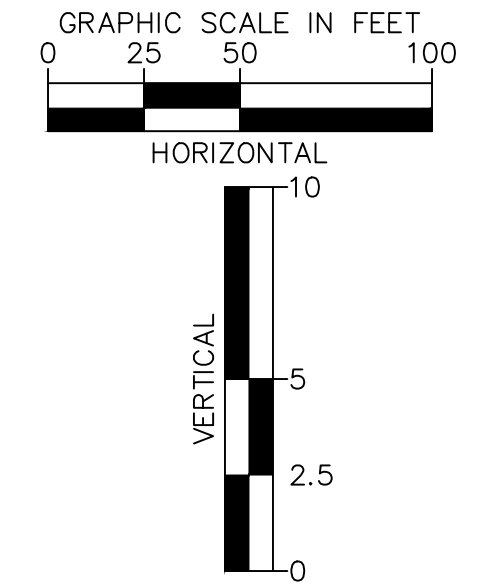
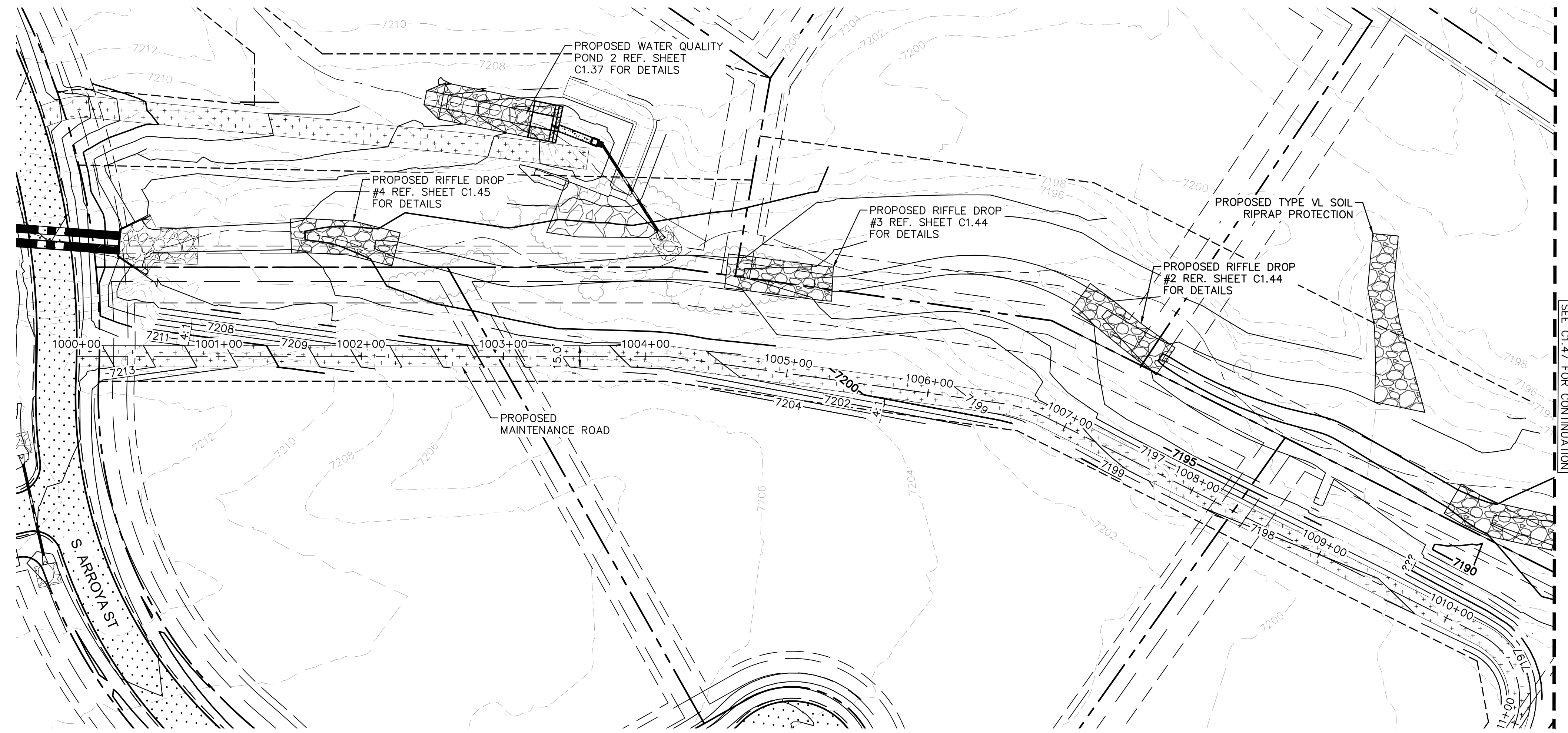
EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
SOUTH CHANNEL PLAN & PROFILE

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NOT FOR CONSTRUCTION

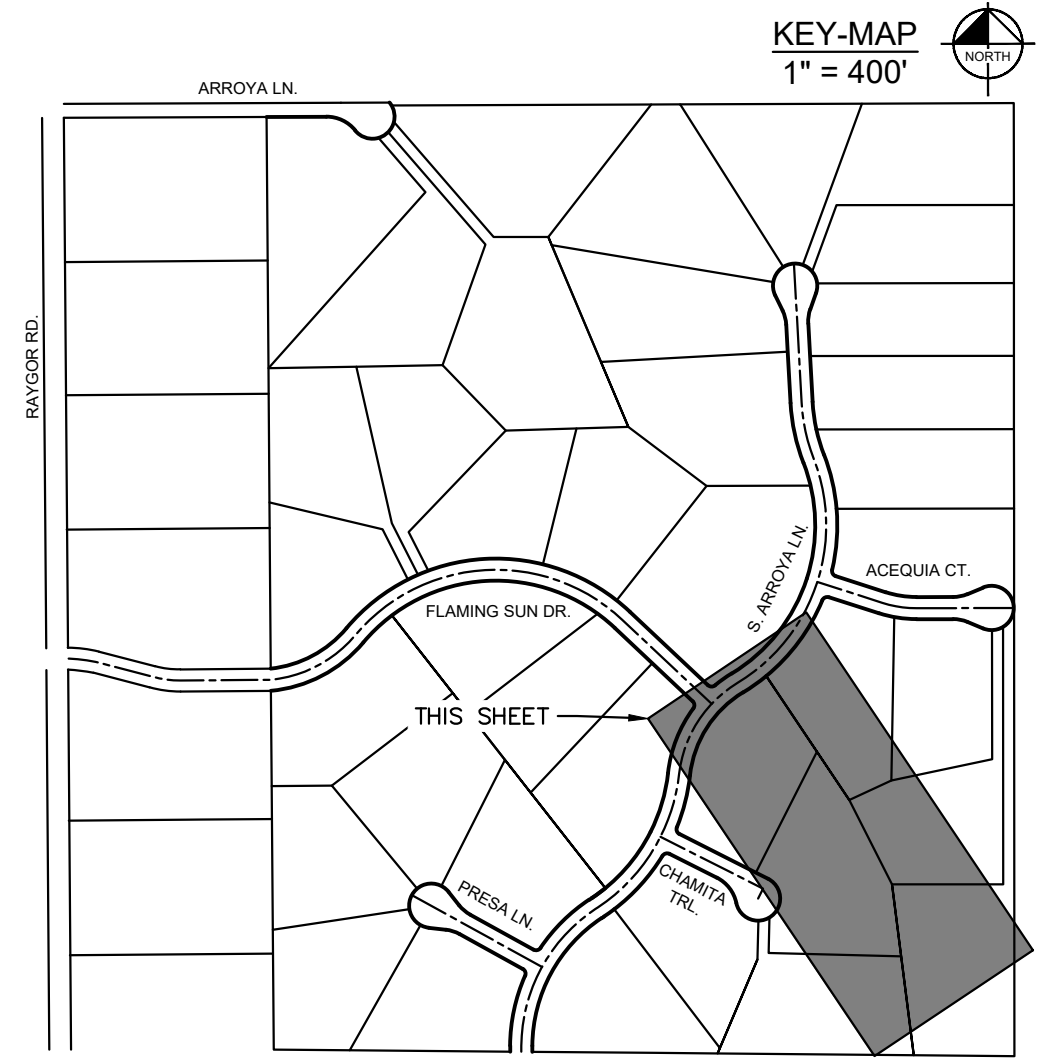
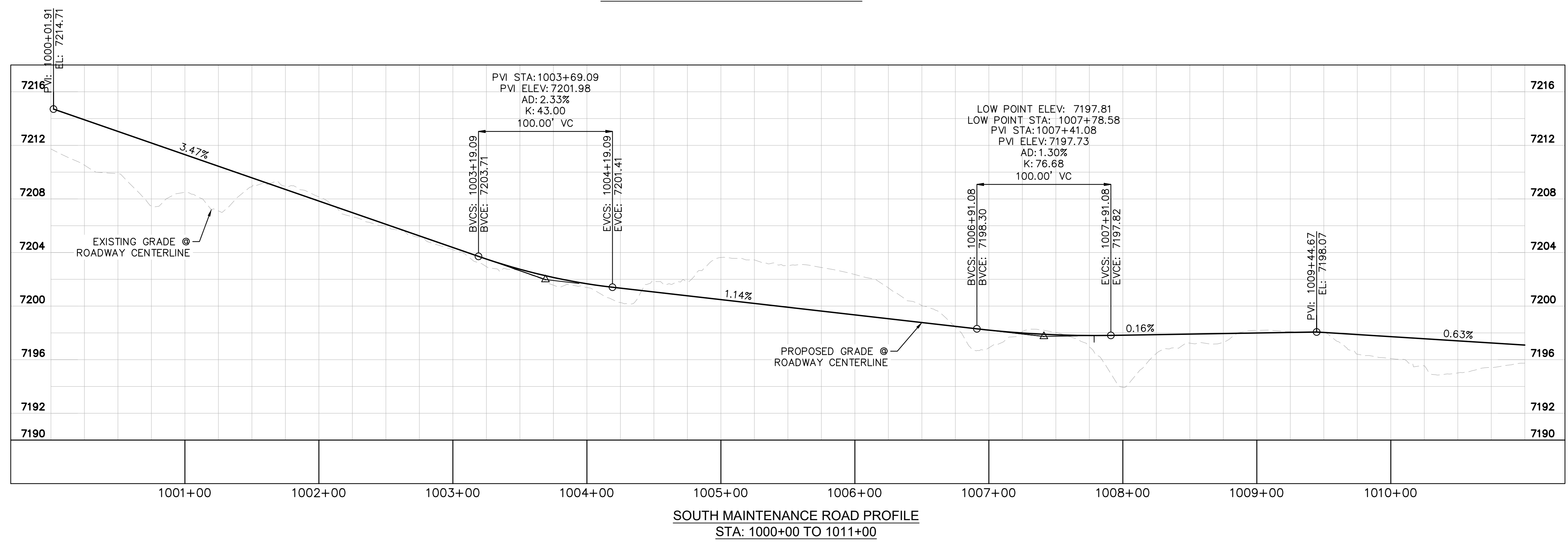
PROJECT NO.
196106001

SHEET
C1.45

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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



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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: KKK
DATE: 06/27/2024

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

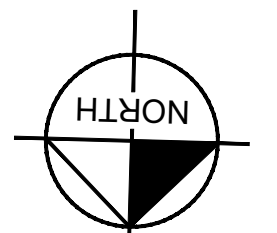
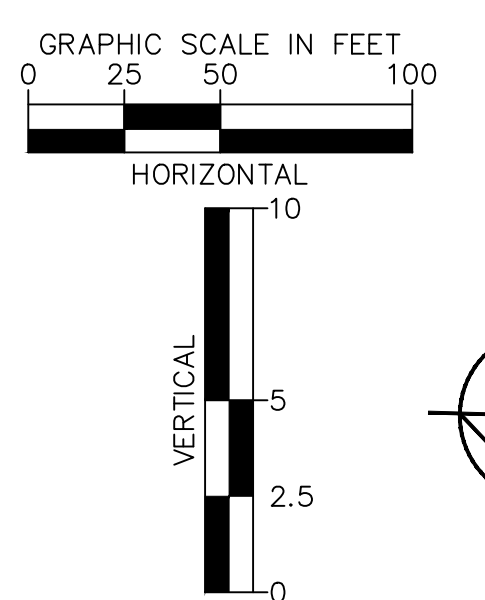
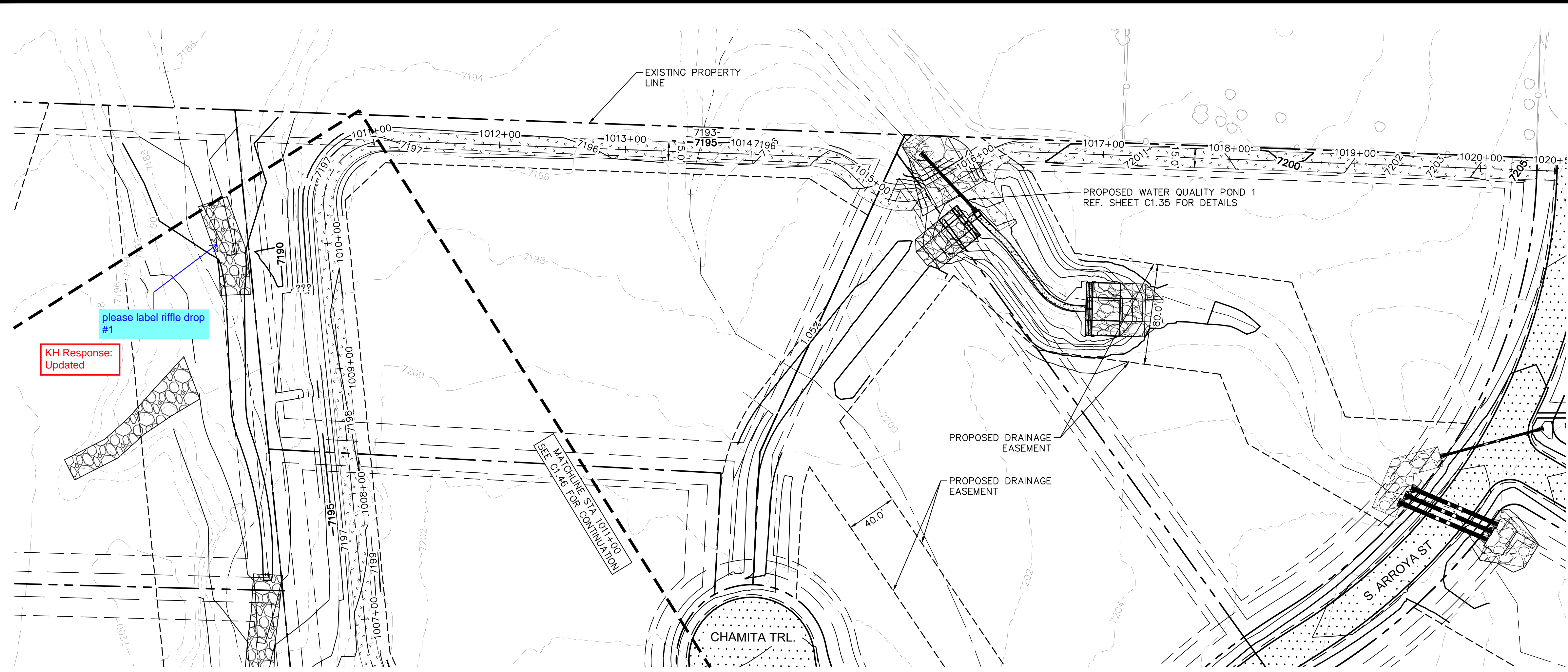
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PROJECT NO. 196106001
SHEET

C1.46

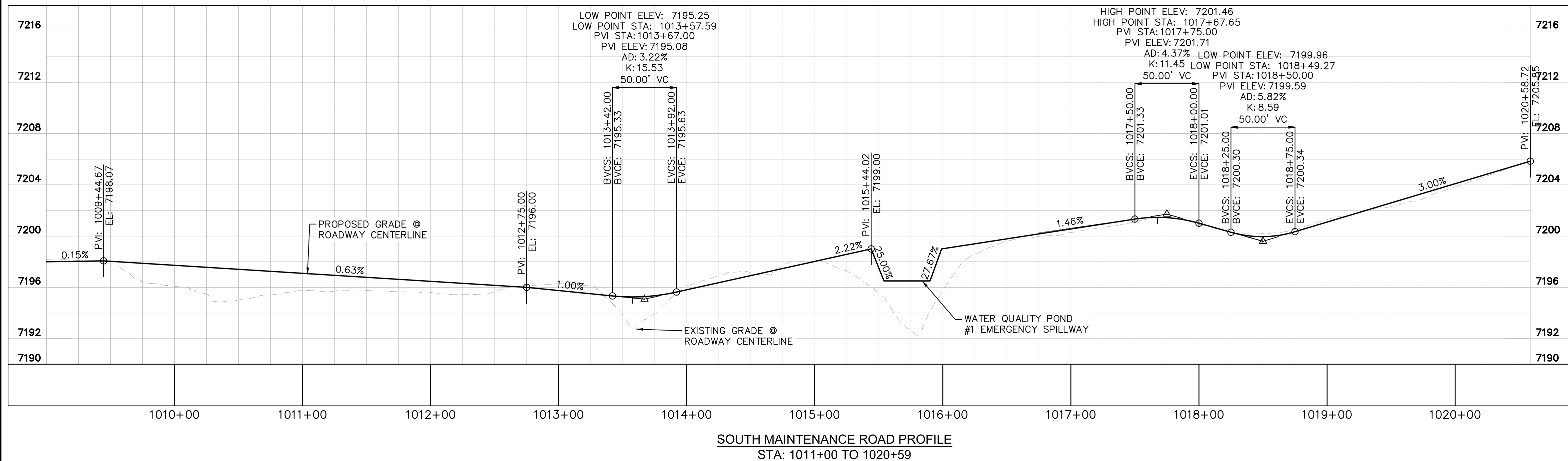
NO.	REVISION	BY	DATE	APPR.

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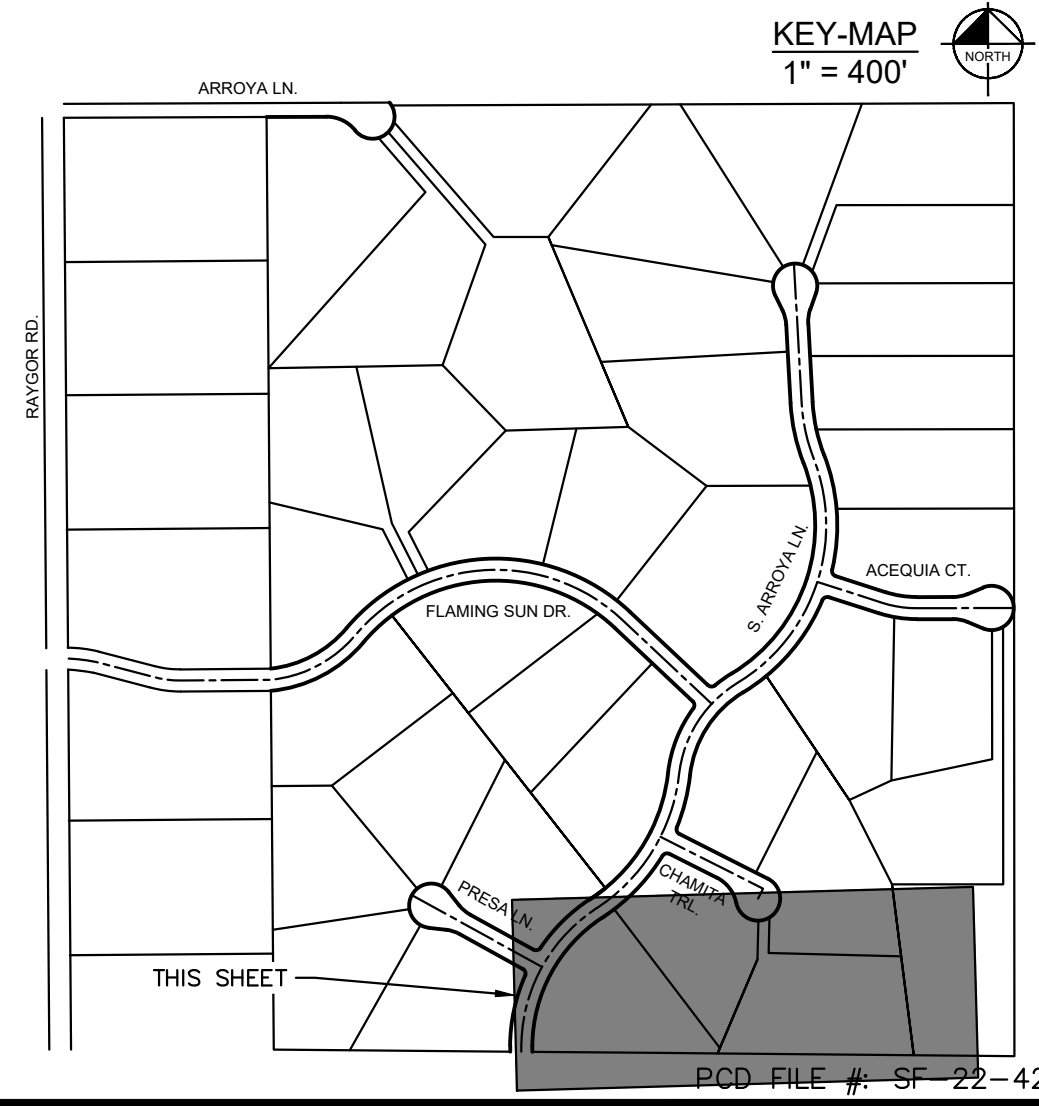


- LEGEND
- PROPERTY/LOT LINE
 - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT #
 - PROPOSED DRAINAGE EASEMENT
 - X X
 - PROPOSED CULVERT
 - EXISTING CULVERT
 - 7XXX- EXISTING MAJOR CONTOUR
 - 7XXX- EXISTING MINOR CONTOUR
 - 7XXX- PROPOSED MAJOR CONTOUR
 - 7XXX- PROPOSED MINOR CONTOUR
 - PROPOSED EDGE OF PAVEMENT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

SOUTH MAINTENANCE ROAD PLAN VIEW



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



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S. MAINTENANCE ROAD PLAN & PROFILE

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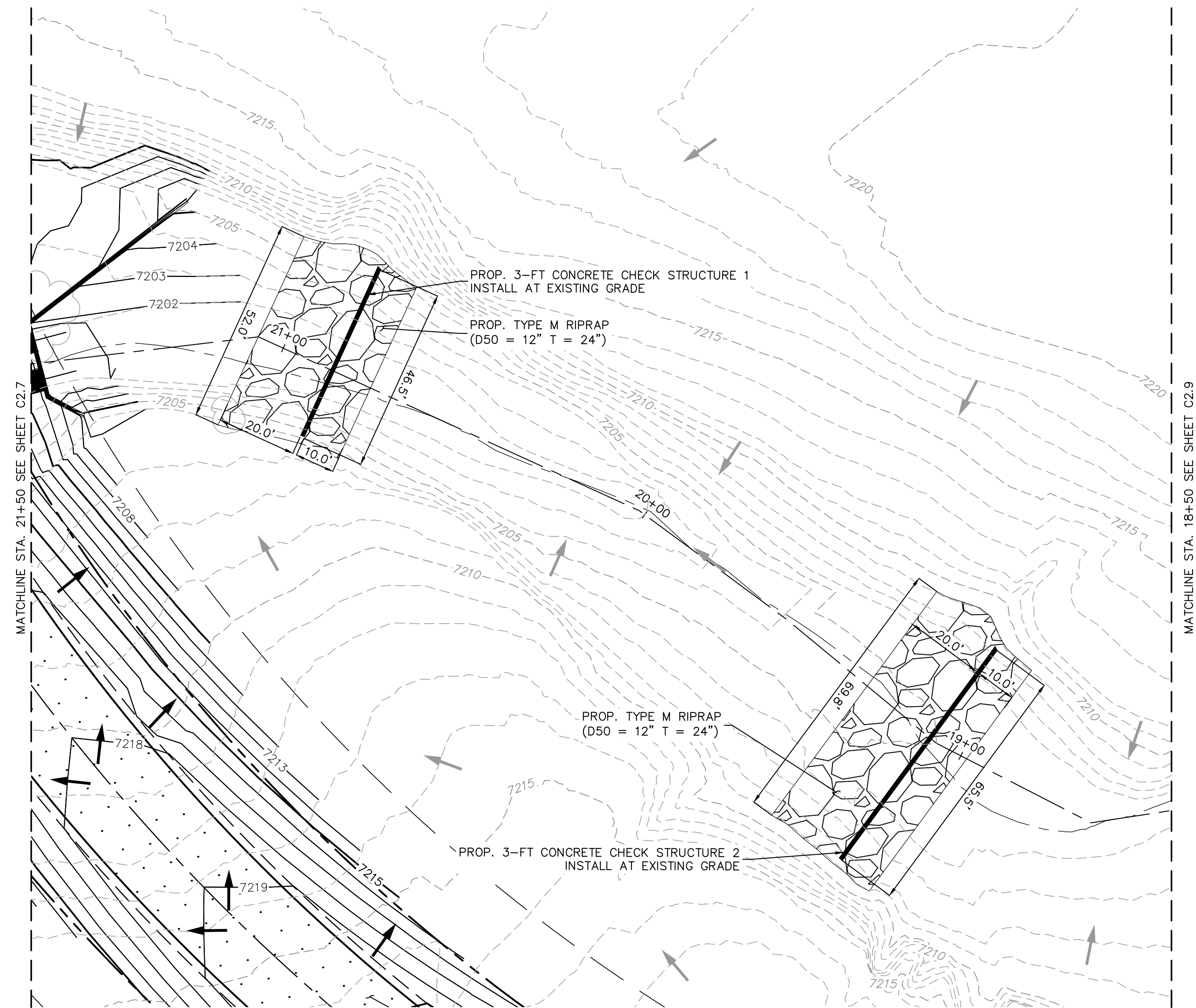
PROJECT NO.
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SHEET

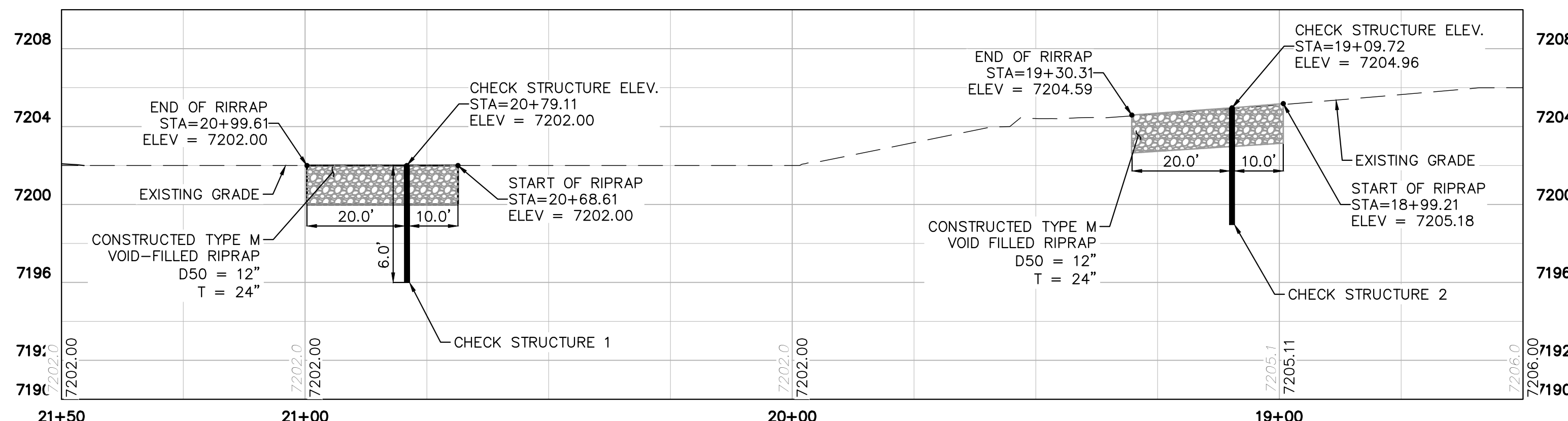
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PCD FILE # 5F-22-42

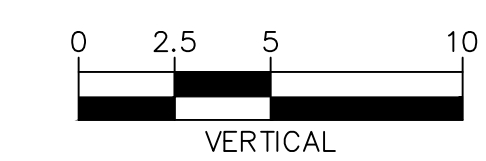
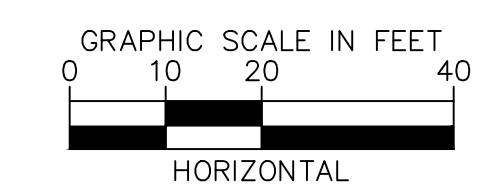
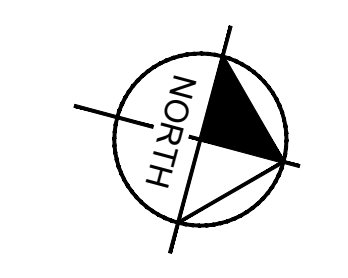
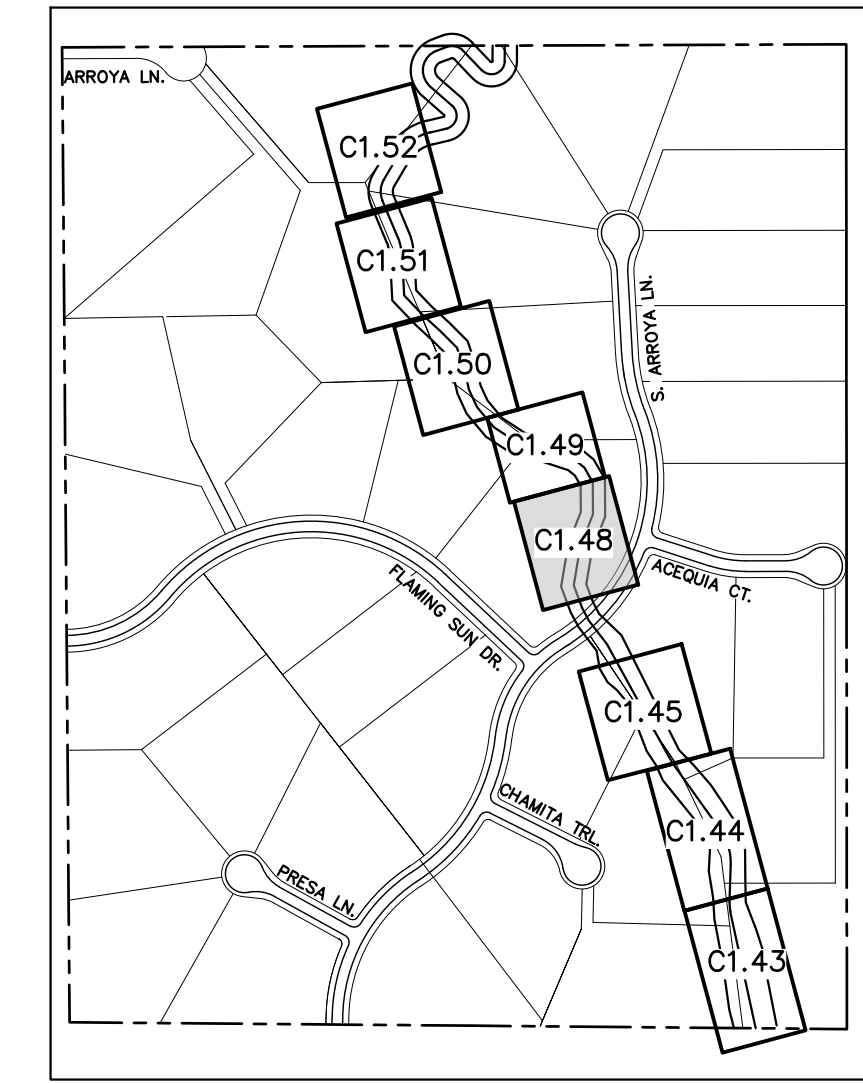
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PLAN VIEW - CONC. CHECK STRUCTURE 1 & 2 (STA: 21+50-18+50)
RWT094 ~ STA: 389+00



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

NO.	REVISION	BY	DATE	APPR.

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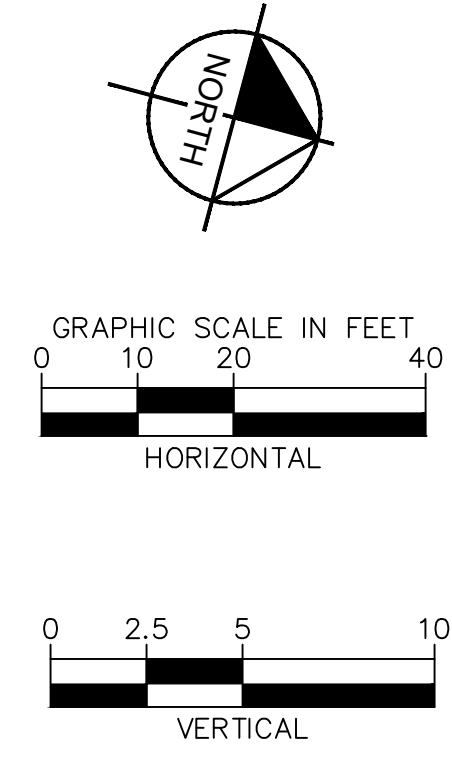
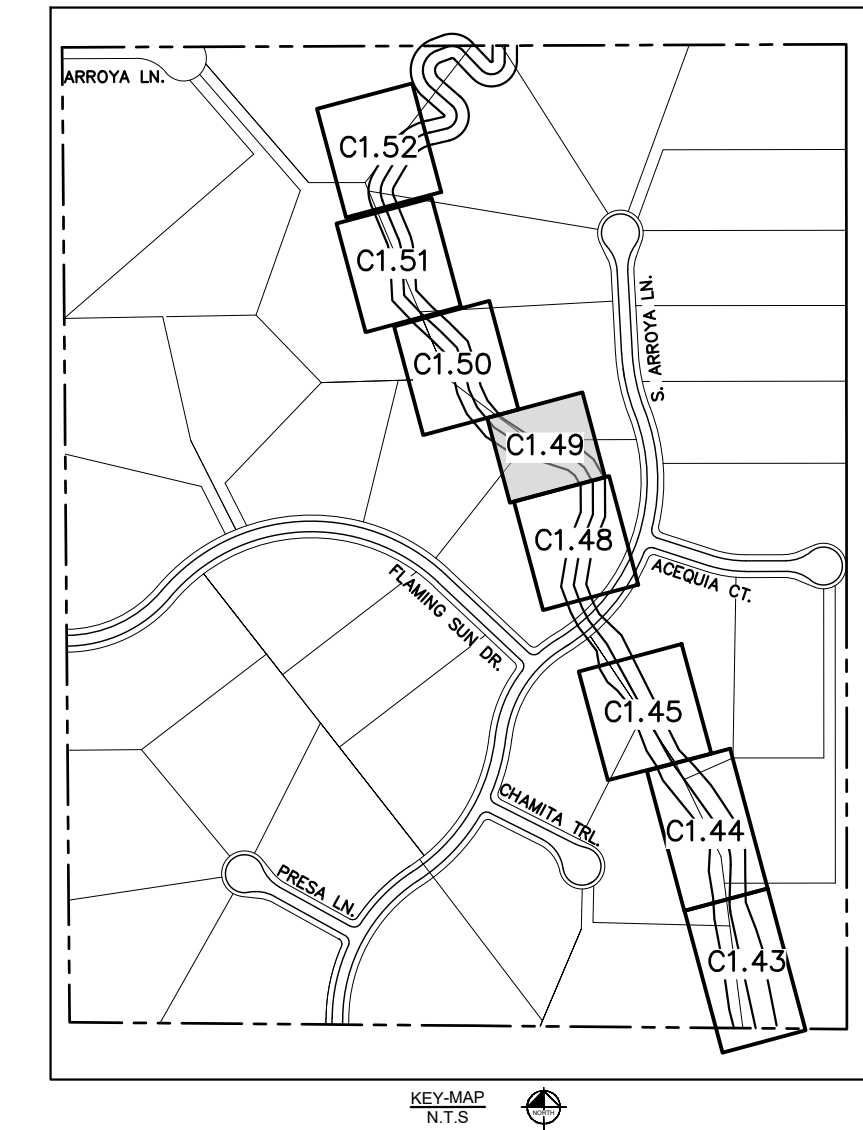
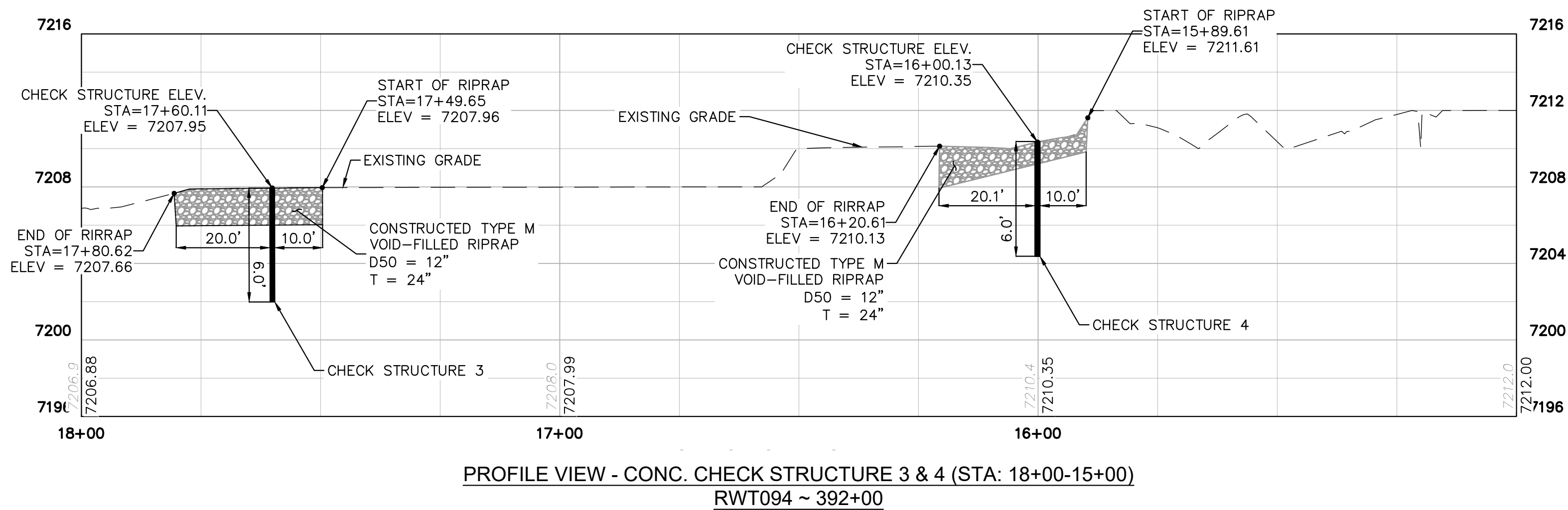
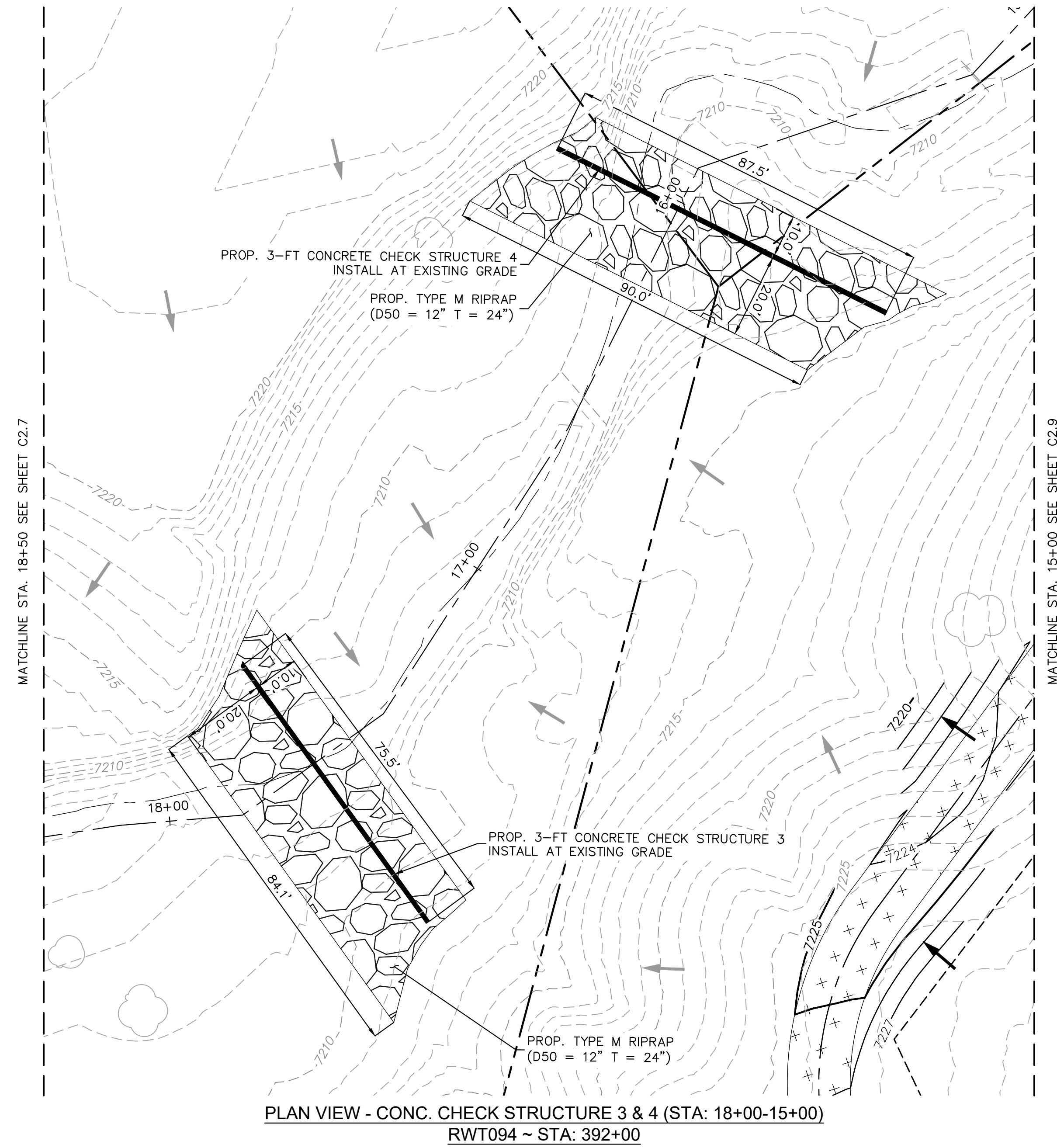
EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
CHECK STRUCTURE PLAN & PROFILE

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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.

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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 CHECKED BY: KKK
 DATE: 04/04/2024

EAGLEVIEW
 EL PASO COUNTY, COLORADO
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CHECK STRUCTURE PLAN & PROFILE

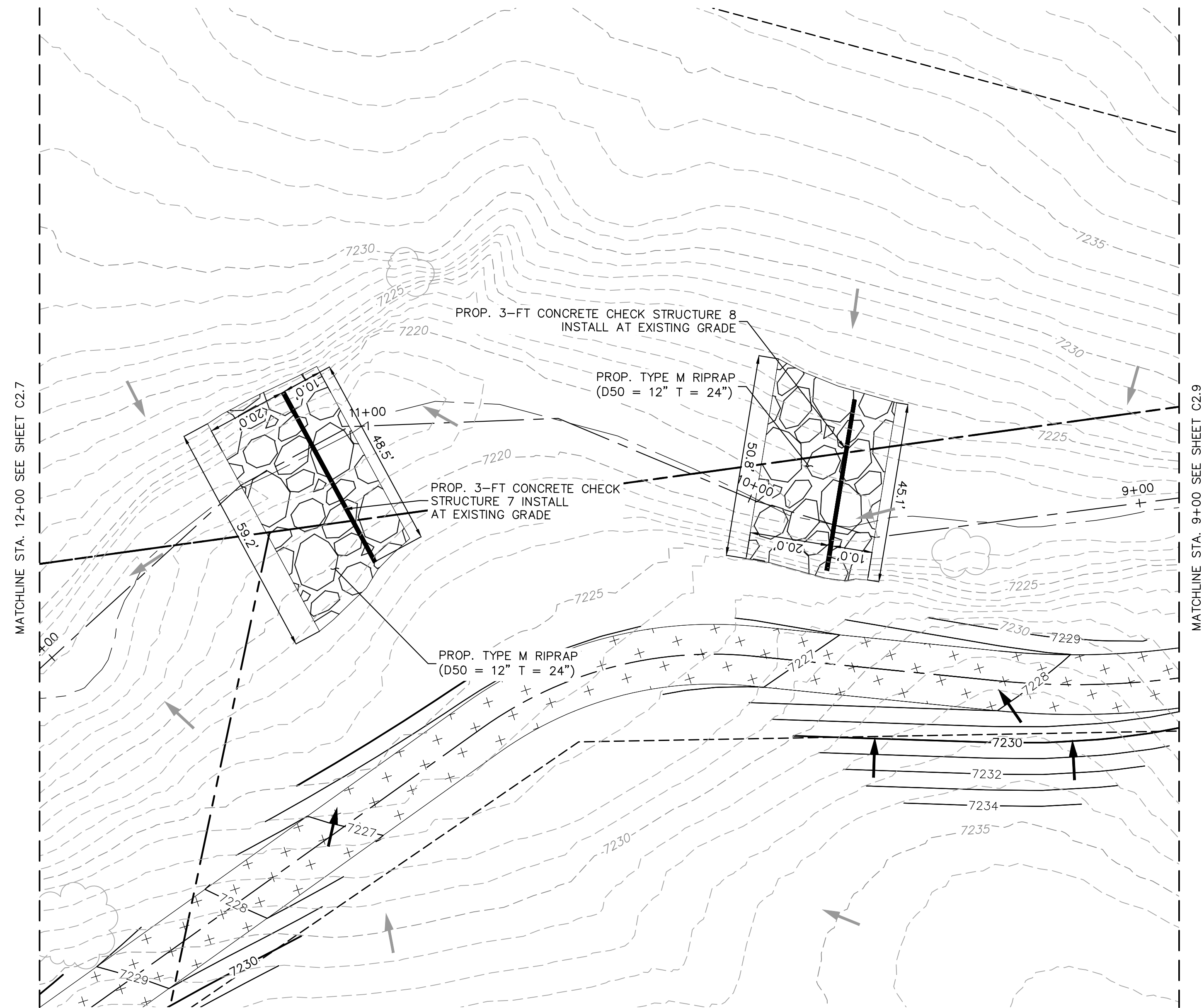
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PROJECT NO.
 196106001

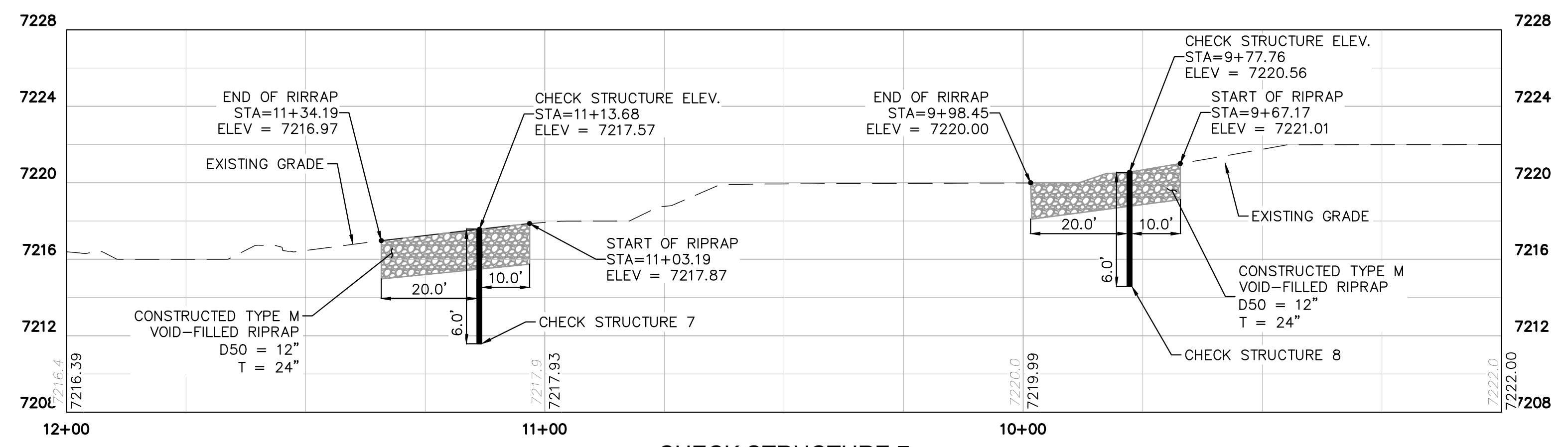
SHEET
C1.49

NO.	REVISION	BY	DATE	APPR.

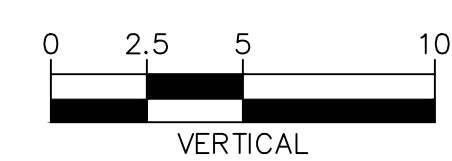
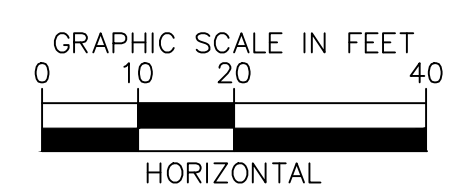
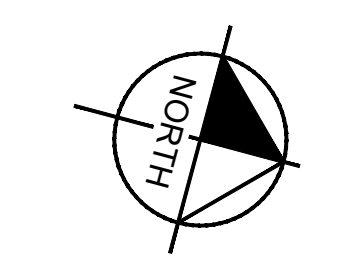
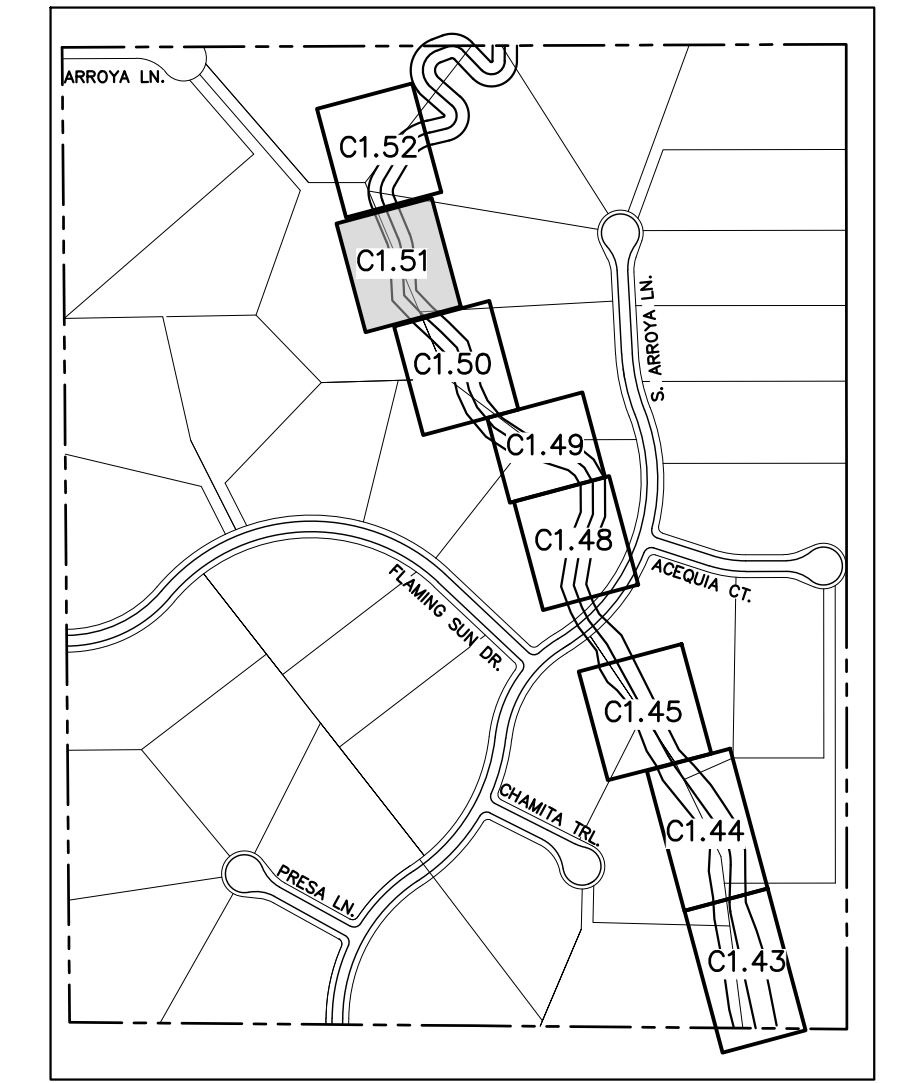
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PLAN VIEW - CONC. CHECK STRUCTURE 7 & 8 (STA:12+00-9+00)
RWT092 ~ STA: 398+00



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.

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

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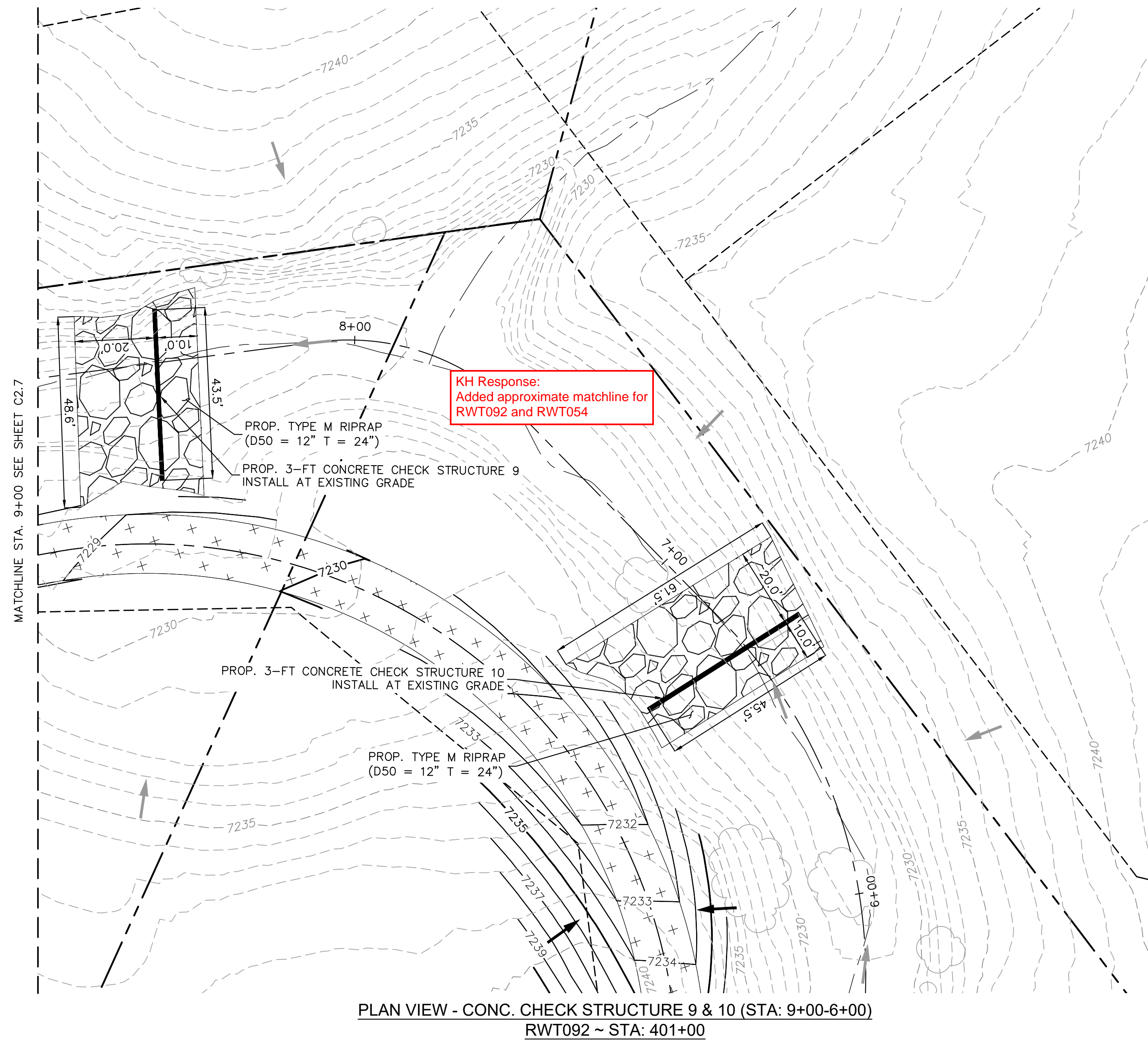
PROJECT NO.
196106001

SHEET

C1.51



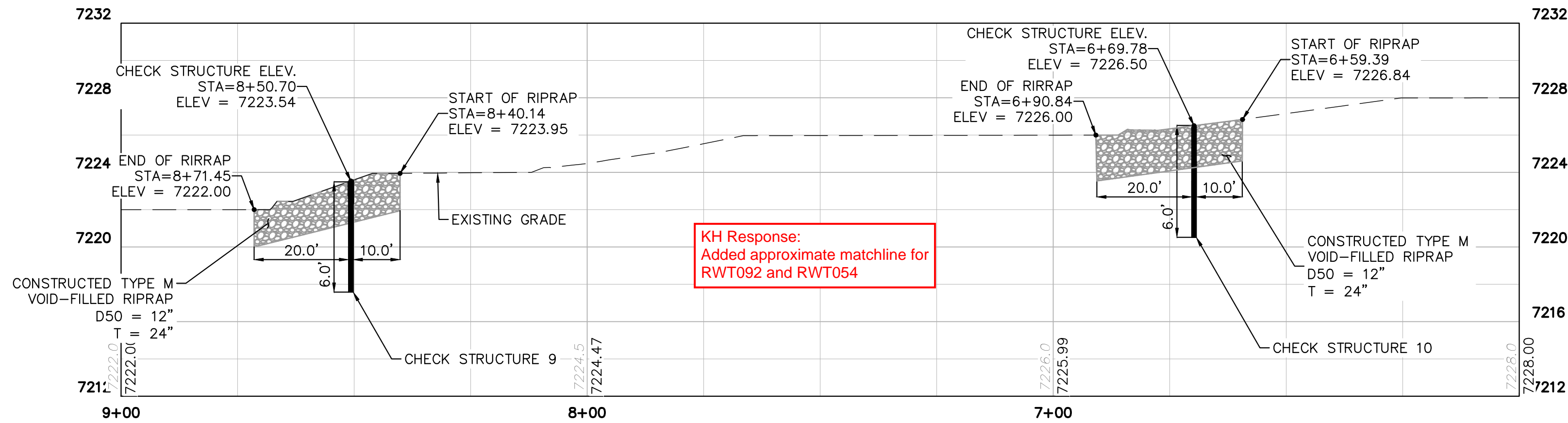
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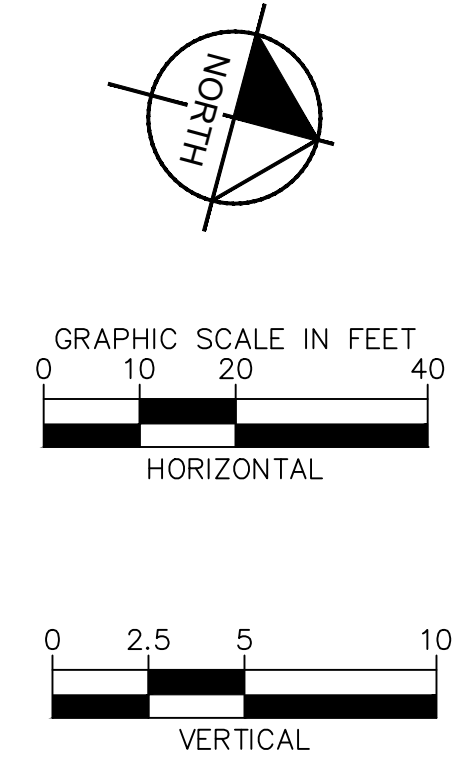
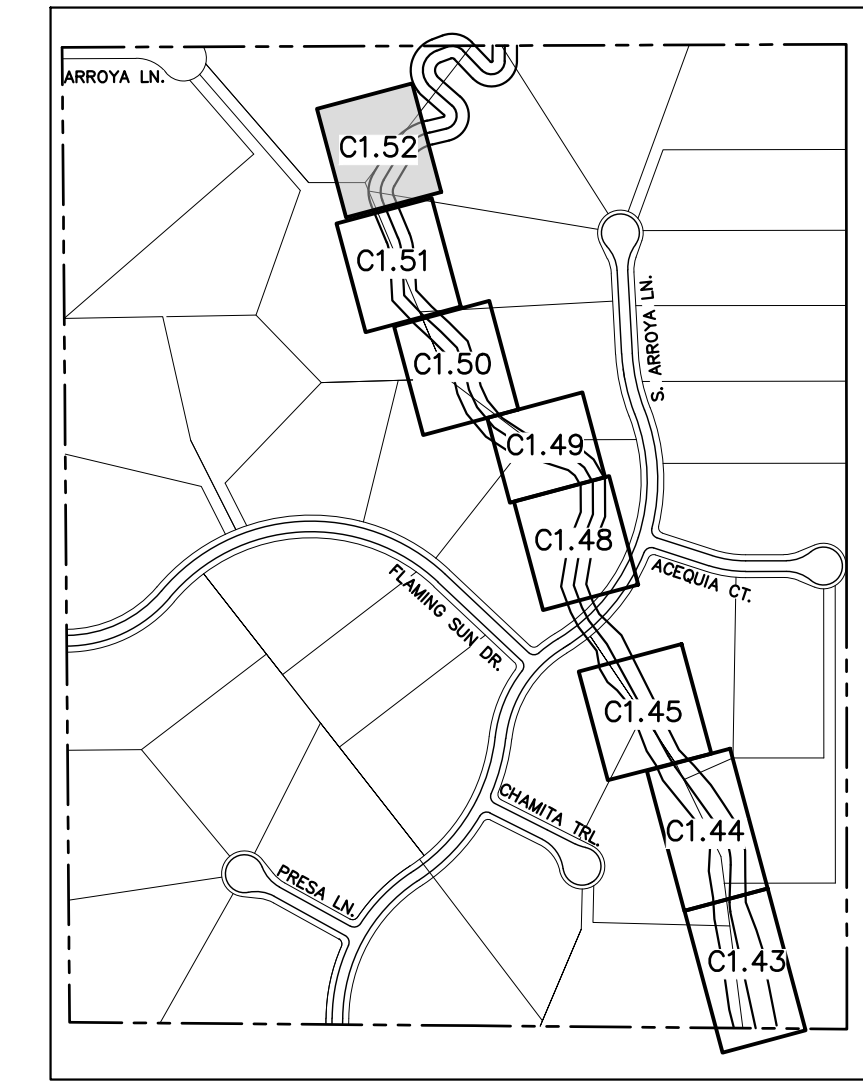
PLAN VIEW - CONC. CHECK STRUCTURE 9 & 10 (STA: 9+00-6+00)
RWT092 ~ STA: 401+00

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

KH Response:
Updated to properly identify which check structure is located in RWT054 vs RWT092



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



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

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CONSTRUCTION DOCUMENTS
CHECK STRUCTURE PLAN & PROFILE

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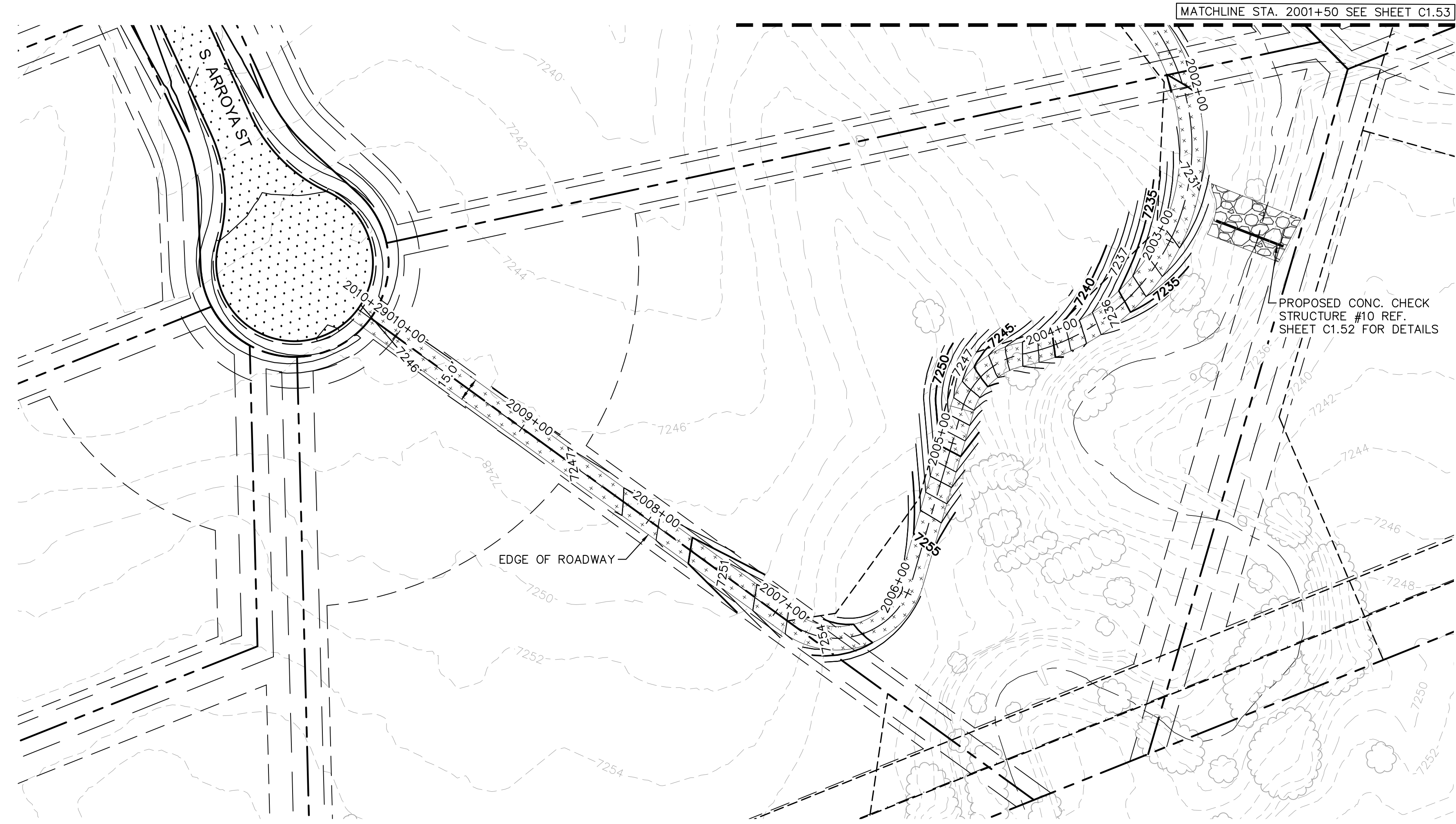
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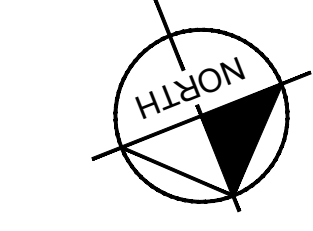
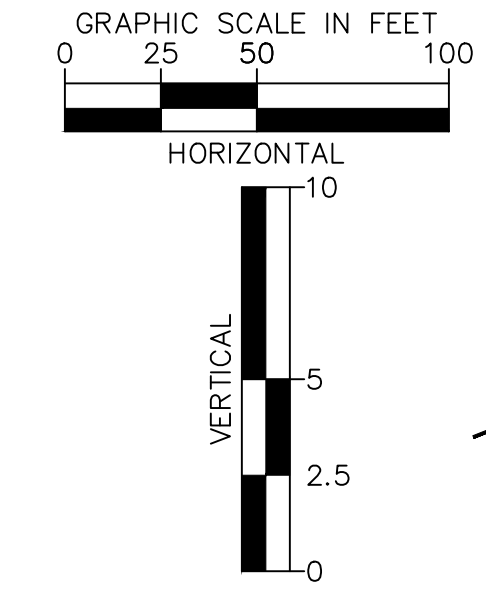
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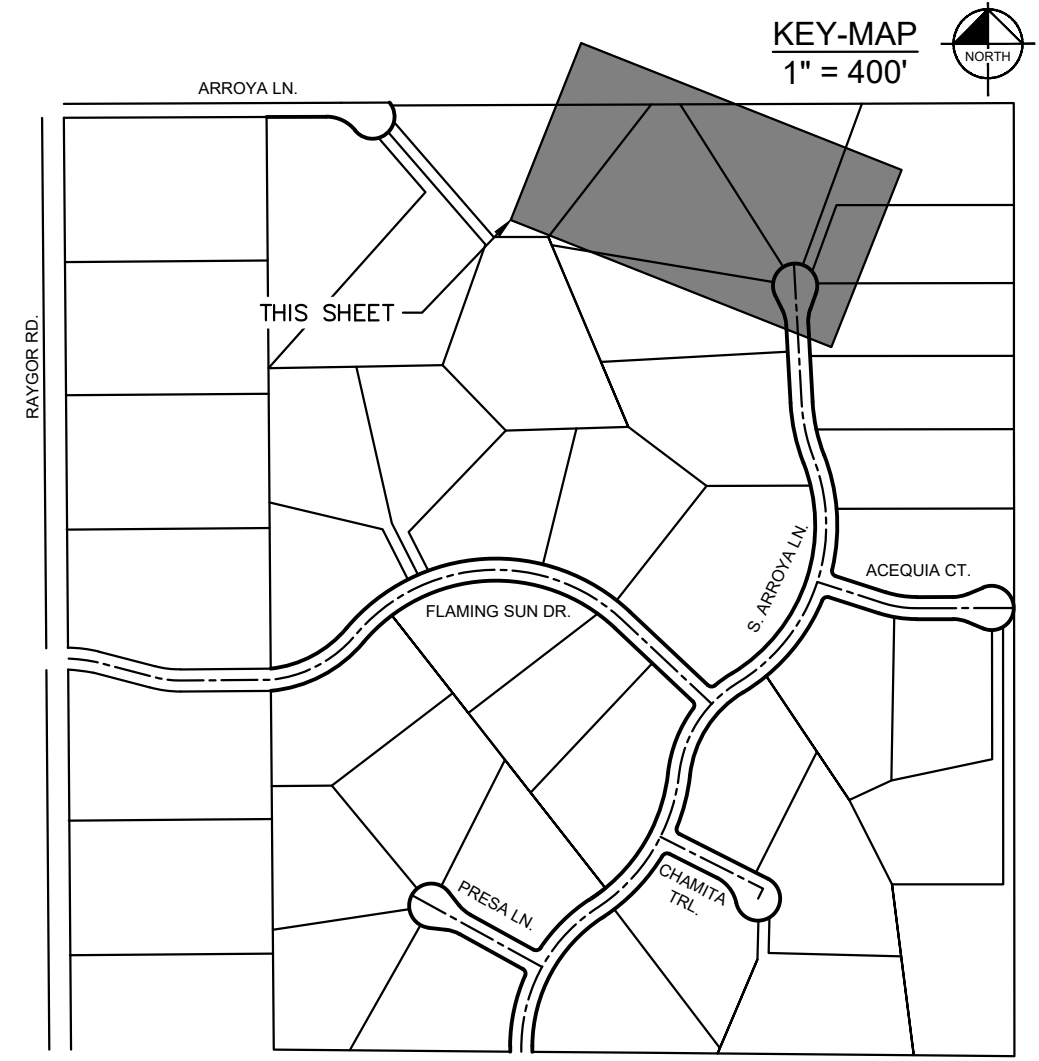
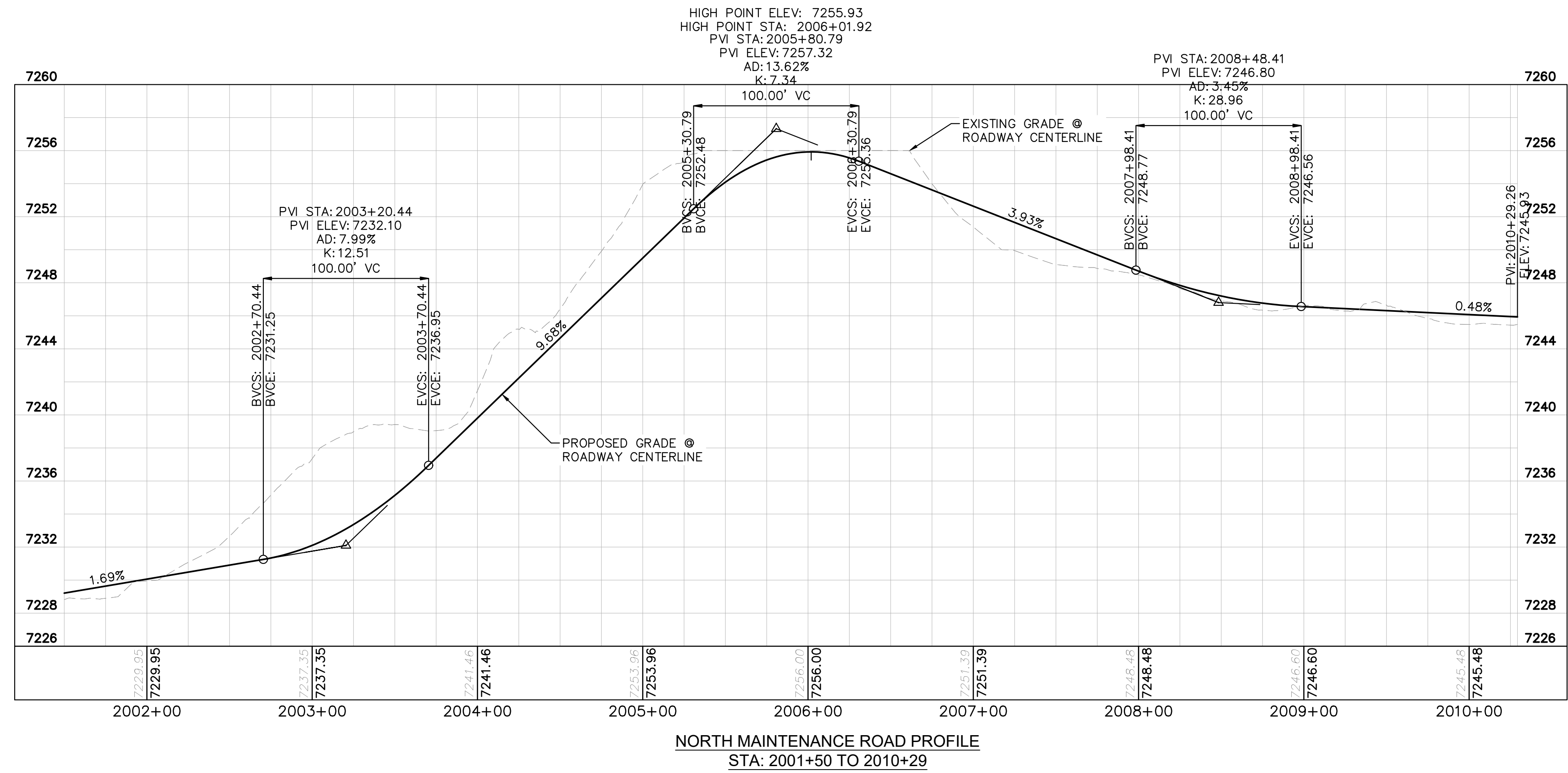


NORTH MAINTENANCE ROAD PLAN VIEW



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



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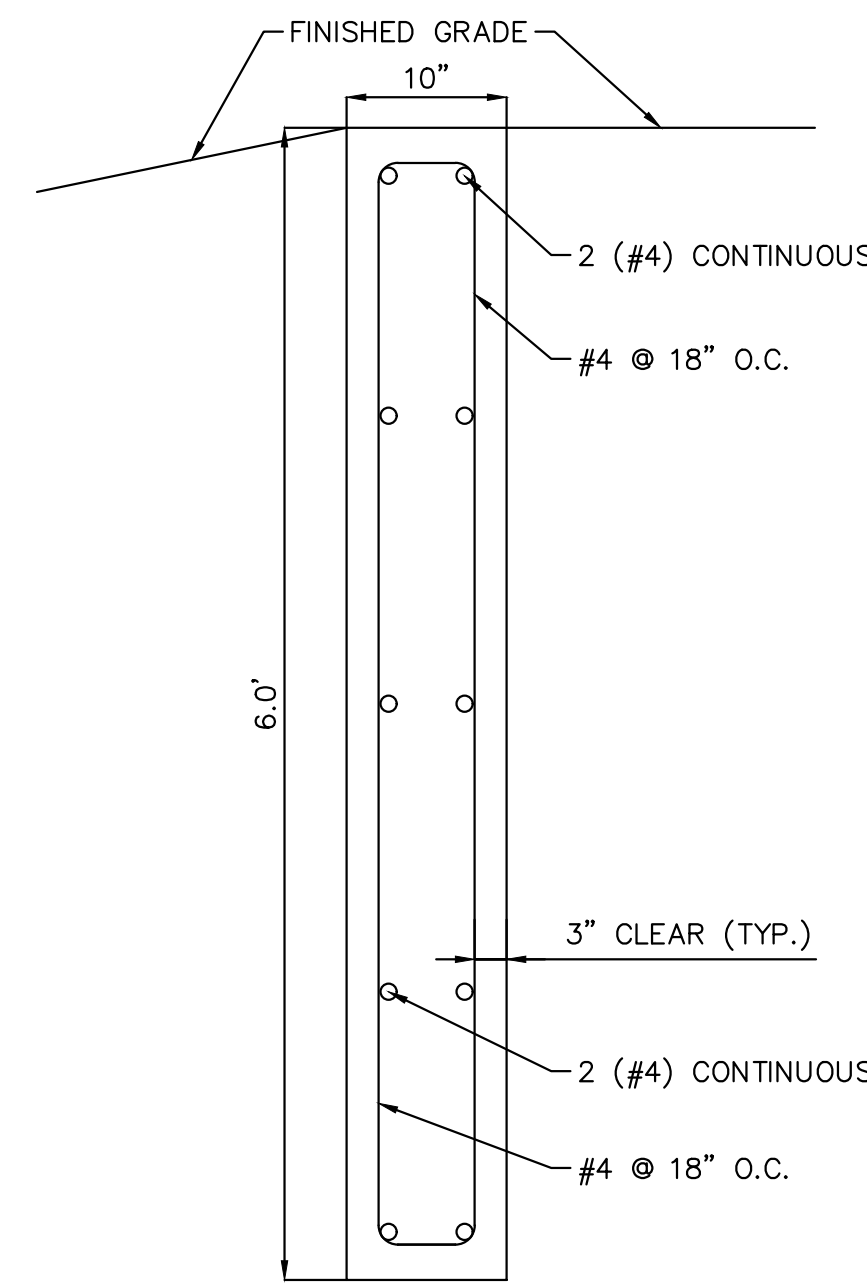
DESIGNED BY: MJK
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CHECKED BY: KRK
DATE: 06/27/2024

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

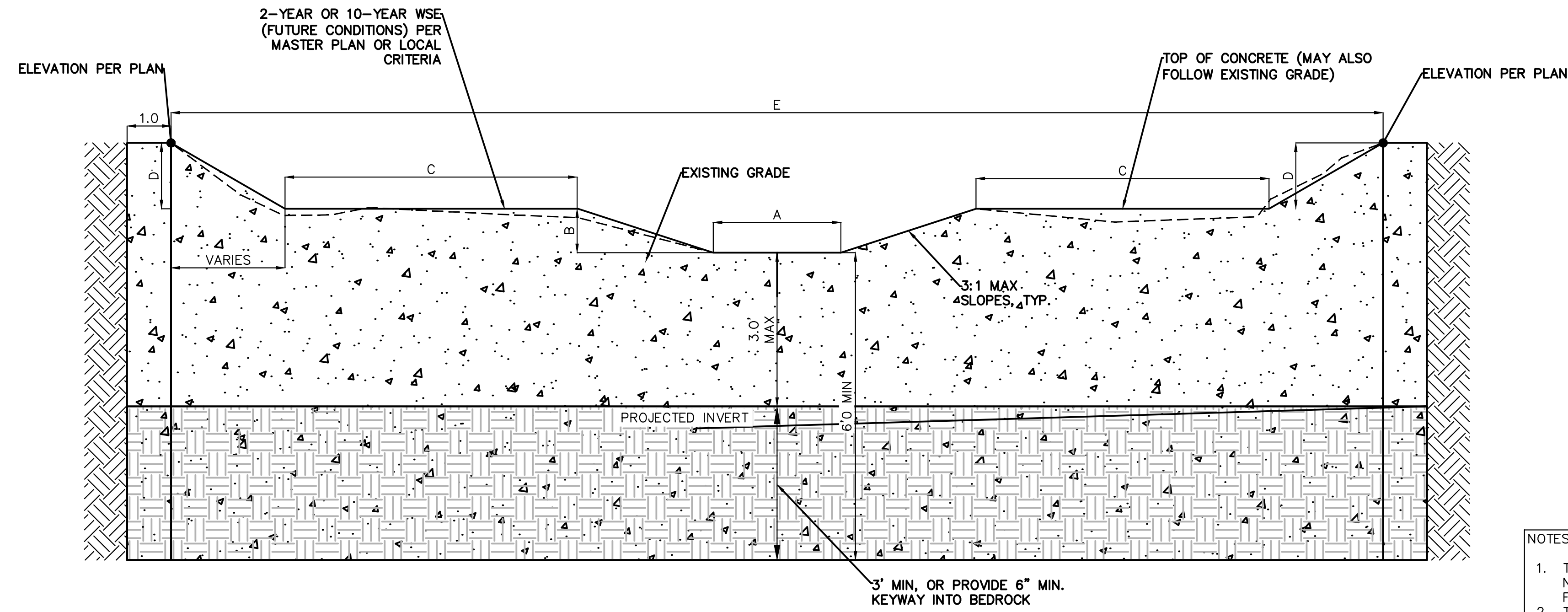
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PROJECT NO.
196106001
SHEET

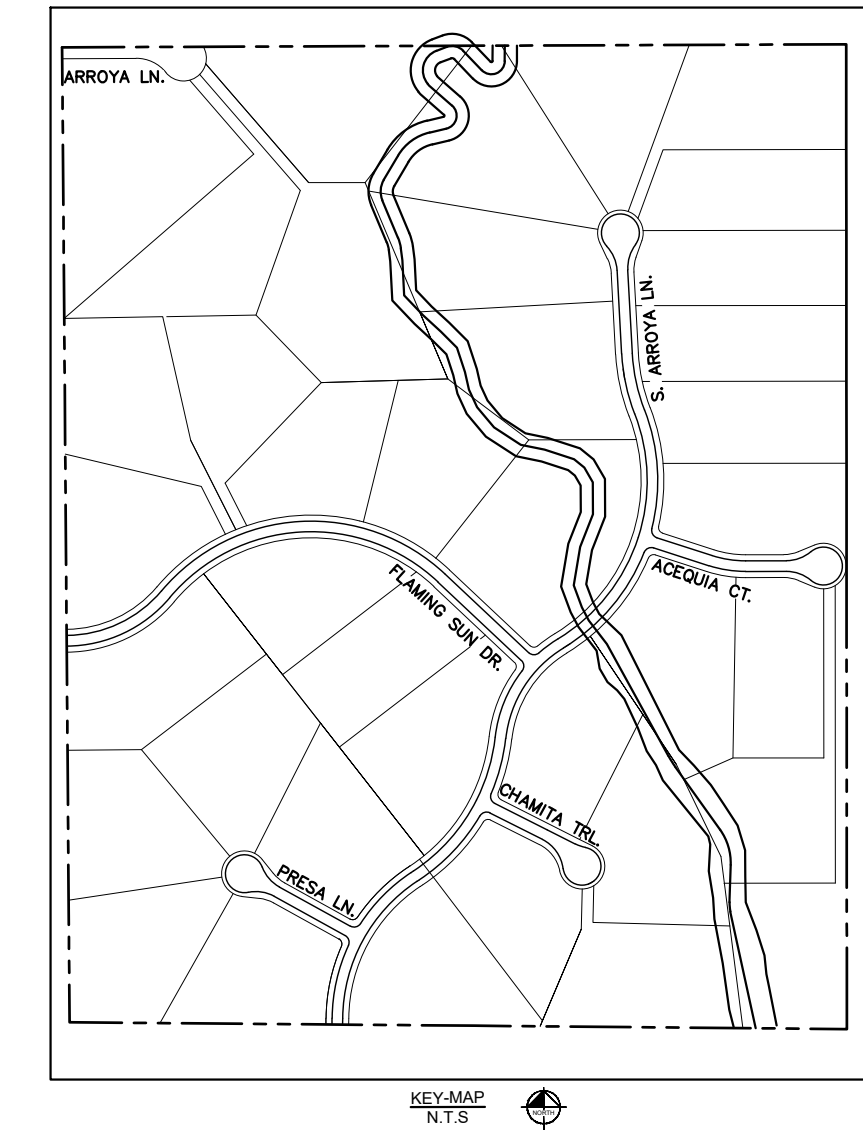
C1.54



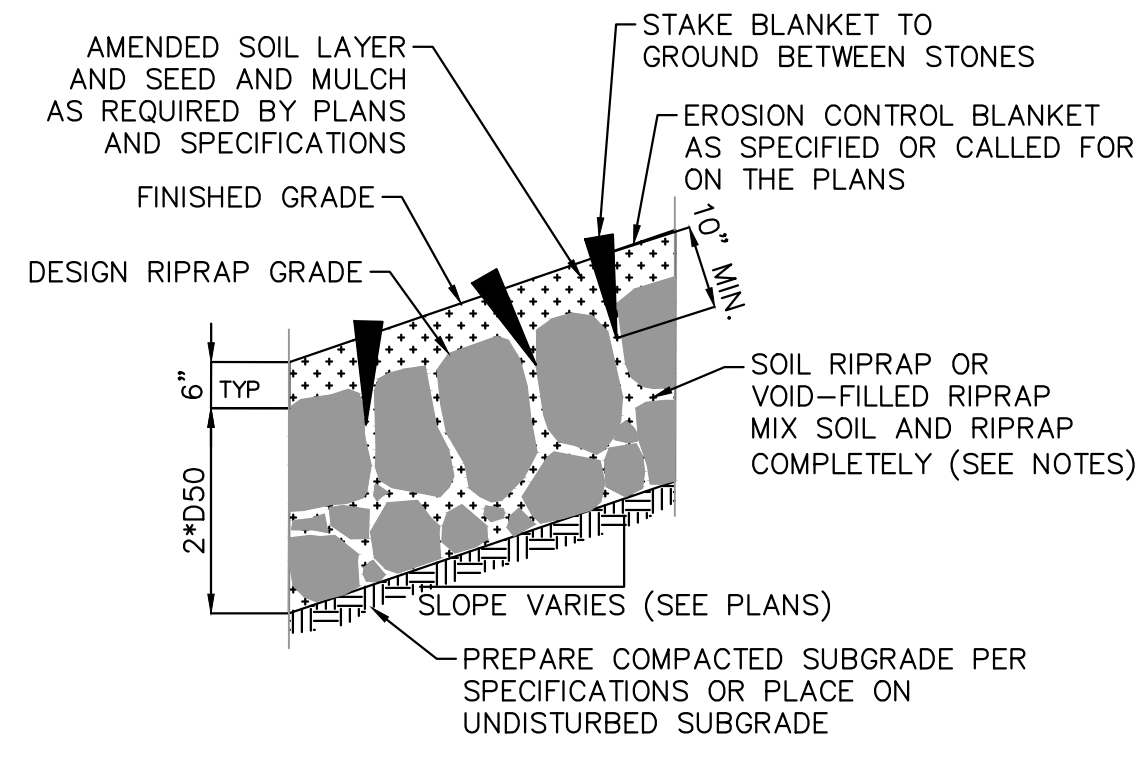
SECTION CREST WALL DETAIL
SCALE: 1" = 1'



CONCRETE CHECK STRUCTURE SECTION DETAIL
N.T.S.



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



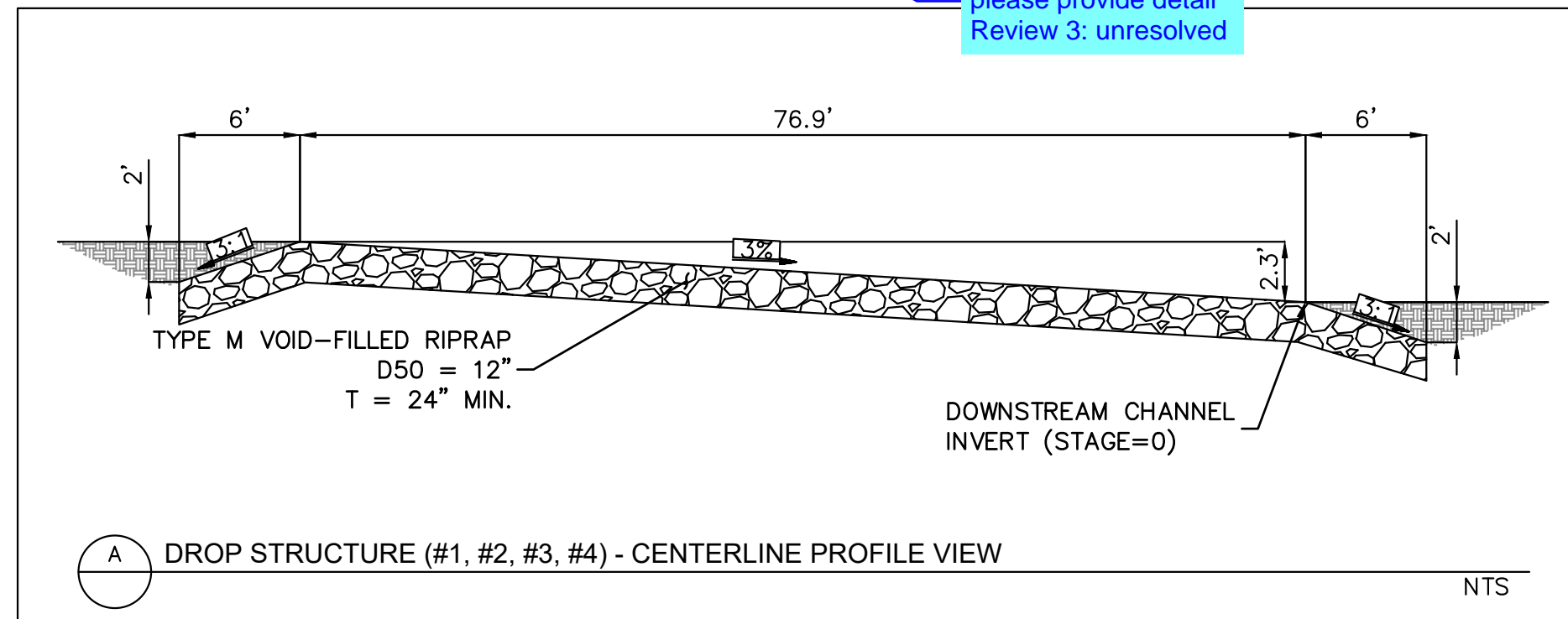
EROSION CONTROL BLANKET SECTION

- NOTES:
1. SOIL RIPRAP DETAILS ARE APPLICABLE TO SLOPED AREAS. REFER TO THE SITE PLAN ACTUAL LOCATION AND LIMITS.
 2. MIX UNIFORMLY 65% RIPRAP BY VOLUME WITH 35% OF APPROVED SOIL BY VOLUME PRIOR TO PLACEMENT.
 3. 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.
 4. CRIMP OR TACKIFY MULCH OR USE APPROVED HYDROMULCH AS CALLED FOR IN THE PLANS AND SPECIFICATIONS.
 5. FOR TOE PROTECTION SEE DETAIL 10 ON THIS SHEET.

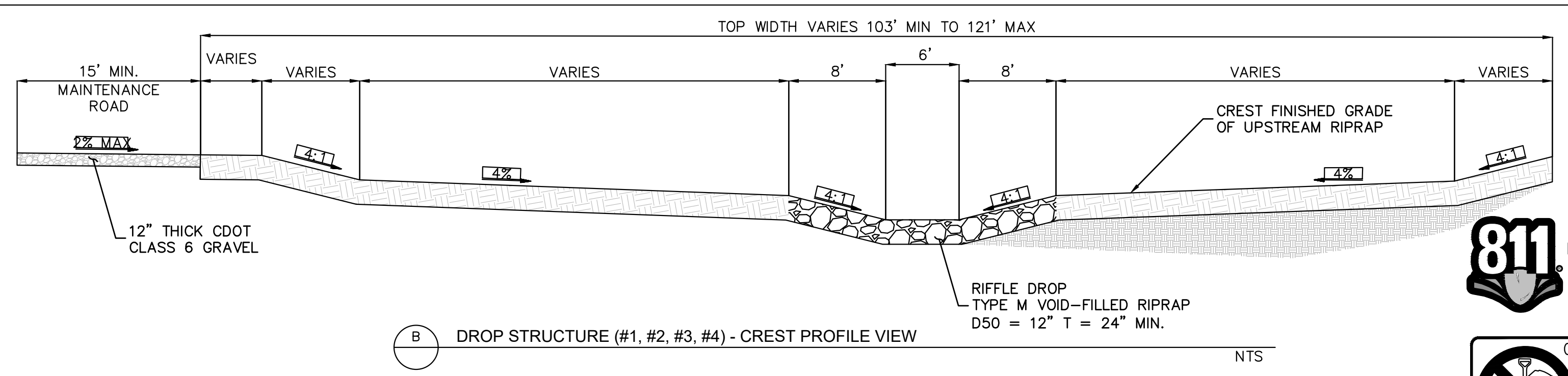
SOIL RIPRAP & VOID-FILLED RIPRAP DETAIL
N.T.S.

KH Addressed:
Separate soil riprap and void filled riprap details. Updated notes.

review 2 comment:
please provide detail
Review 3: unresolved



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



NO.	REVISION	BY	DATE	APPR.

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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

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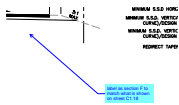
V3_Construction Drawings (Plans-Profiles) comments.pdf Markup Summary

Daniel Torres (38)



Subject: Callout
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



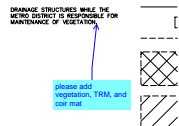
Subject: Callout
Page Label: [3] C1.2 TYPICAL SECTIONS
Author: Daniel Torres
Date: 7/18/2024 6:01:16 PM
Status:
Color: ■
Layer:
Space:

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



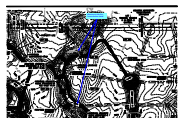
Subject: Callout
Page Label: [3] C1.2 TYPICAL SECTIONS
Author: Daniel Torres
Date: 7/18/2024 6:21:47 PM
Status:
Color: ■
Layer:
Space:

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.



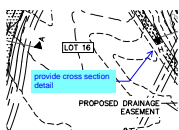
Subject: Callout
Page Label: [5] C1.4 HORIZONTAL CONTROL PLAN
Author: Daniel Torres
Date: 7/18/2024 5:45:18 PM
Status:
Color: ■
Layer:
Space:

please add vegetation, TRM, and coir mat



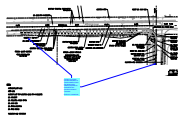
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Page Label: [7] C1.6 GRADING PLAN
Author: Daniel Torres
Date: 7/18/2024 6:15:30 PM
Status:
Color: ■
Layer:
Space:

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:

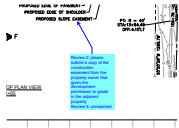
provide cross section detail



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

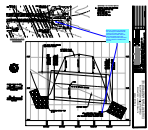
Review 3: unresolved



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

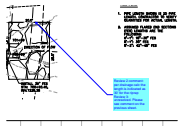
Review 3: unresolved



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'.

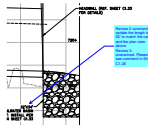
review 3: the outlet protection calculations have been removed from the drainage report calc. sheets. Please provide and ensure that all protection indicated match the CD's.



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

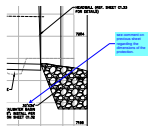
Review 3: unresolved. Please see comment on the previous sheet.



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:

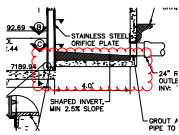
Review 2 comment: update the length to 55' to match the calcs and the plan view above

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

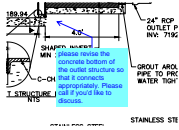


Subject: Callout
Page Label: [32] C1.31 CULVERT PLAN AND PROFILE
Author: Daniel Torres
Date: 7/18/2024 10:51:47 AM
Status:
Color: ■
Layer:
Space:

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

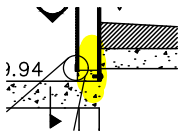


Subject: Cloud
Page Label: [37] C1.36 WATER QUALITY POND #1 DETAILS
Author: Daniel Torres
Date: 7/18/2024 12:02:08 PM
Status:
Color: ■
Layer:
Space:

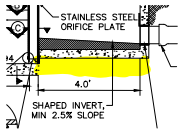


Subject: Callout
Page Label: [37] C1.36 WATER QUALITY POND #1 DETAILS
Author: Daniel Torres
Date: 7/18/2024 2:28:11 PM
Status:
Color: ■
Layer:
Space:

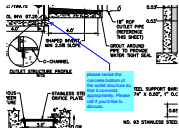
please revise the concrete bottom of the outlet structure so that it connects appropriately. Please call if you'd like to discuss.



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:

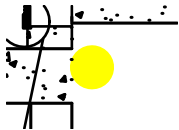


Subject: Highlight
Page Label: [37] C1.36 WATER QUALITY POND #1 DETAILS
Author: Daniel Torres
Date: 7/18/2024 2:28:23 PM
Status:
Color: ■
Layer:
Space:

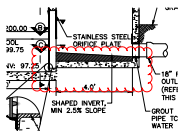


Subject: Callout
Page Label: [39] C1.38 WATER QUALITY POND #2 DETAILS
Author: Daniel Torres
Date: 7/18/2024 2:27:20 PM
Status:
Color: ■
Layer:
Space:

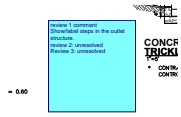
please revise the concrete bottom of the outlet structure so that it connects appropriately. Please call if you'd like to discuss.



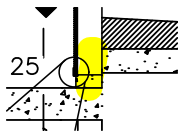
Subject: Highlight
Page Label: [39] C1.38 WATER QUALITY POND #2 DETAILS
Author: Daniel Torres
Date: 7/18/2024 11:53:58 AM
Status:
Color: ■
Layer:
Space:



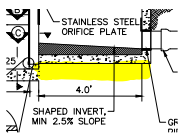
Subject: Cloud
Page Label: [39] C1.38 WATER QUALITY POND #2 DETAILS
Author: Daniel Torres
Date: 7/18/2024 12:02:23 PM
Status:
Color: ■
Layer:
Space:



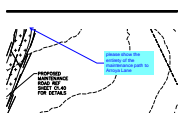
Subject: Text Box
Page Label: [39] C1.38 WATER QUALITY POND #2 DETAILS
Author: Daniel Torres
Date: 7/18/2024 12:02:49 PM
Status:
Color: ■
Layer:
Space:
review 1 comment
Show/label steps in the outlet structure.
review 2: unresolved
Review 3: unresolved



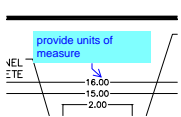
Subject: Highlight
Page Label: [39] C1.38 WATER QUALITY POND #2 DETAILS
Author: Daniel Torres
Date: 7/18/2024 2:26:12 PM
Status:
Color: ■
Layer:
Space:



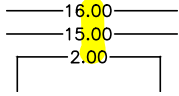
Subject: Highlight
Page Label: [39] C1.38 WATER QUALITY POND #2 DETAILS
Author: Daniel Torres
Date: 7/18/2024 2:26:25 PM
Status:
Color: ■
Layer:
Space:



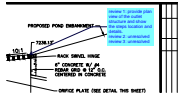
Subject: Callout
Page Label: [40] C1.39 POND 3 PLAN
Author: Daniel Torres
Date: 7/18/2024 6:08:33 PM
Status:
Color: ■
Layer:
Space:
please show the entirety of the maintenance path to Arroya Lane



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

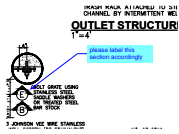


Subject: Highlight
Page Label: [41] C1.40 POND 3 DETAILS
Author: Daniel Torres
Date: 7/18/2024 11:43:03 AM
Status:
Color: ■
Layer:
Space:



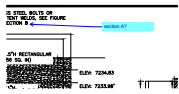
Subject: Callout
Page Label: [41] C1.40 POND 3 DETAILS
Author: Daniel Torres
Date: 7/18/2024 11:45:52 AM
Status:
Color: ■
Layer:
Space:

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



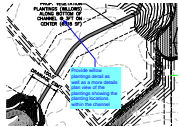
Subject: Callout
Page Label: [41] C1.40 POND 3 DETAILS
Author: Daniel Torres
Date: 7/18/2024 11:59:15 AM
Status:
Color: ■
Layer:
Space:

please label this section accordingly



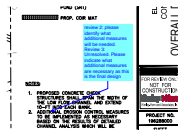
Subject: Callout
Page Label: [41] C1.40 POND 3 DETAILS
Author: Daniel Torres
Date: 7/18/2024 11:58:41 AM
Status:
Color: ■
Layer:
Space:

section A?



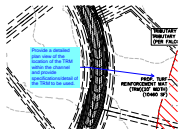
Subject: Callout
Page Label: [43] C1.42 OVERALL DRAINAGE IMPROVEMENTS
Author: Daniel Torres
Date: 7/18/2024 2:30:25 PM
Status:
Color: ■
Layer:
Space:

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.



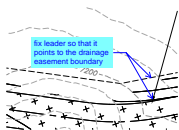
Subject: Callout
Page Label: [43] C1.42 OVERALL DRAINAGE IMPROVEMENTS
Author: Daniel Torres
Date: 7/18/2024 2:32:23 PM
Status:
Color: ■
Layer:
Space:

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.



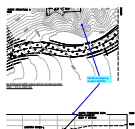
Subject: Callout
Page Label: [45] C1.44 SOUTH CHANNEL PLAN & PROFILE
Author: Daniel Torres
Date: 7/18/2024 12:13:55 PM
Status:
Color: ■
Layer:
Space:

fix leader so that it points to the drainage easement boundary



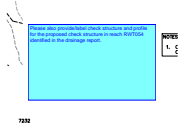
Subject: Callout
Page Label: [48] C1.47 S. MAINTENANCE ROAD PLAN & PROFILE
Author: Daniel Torres
Date: 7/18/2024 1:34:06 PM
Status:
Color: ■
Layer:
Space:

please label riffle drop #1



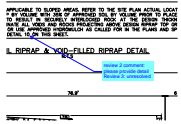
Subject: Callout
Page Label: [51] C1.50 CHECK STRUCTURE PLAN & PROFILE
Author: Daniel Torres
Date: 7/18/2024 1:41:38 PM
Status:
Color: ■
Layer:
Space:

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:

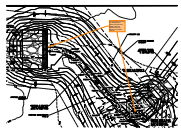
Please also provide/label check structure and profile for the proposed check structure in reach RWT054 identified in the drainage report.



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:

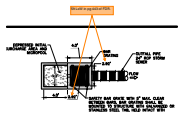
review 2 comment:
 please provide detail
 Review 3: unresolved

Glenn Reese - EPC Stormwater (27)

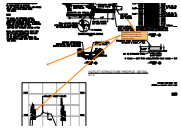


Subject: SW - Textbox with Arrow
Page Label: [36] C1.35 WATER QUALITY POND #1
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:01 AM
Status:
Color: ■
Layer:
Space:

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

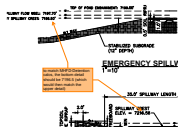


Subject: SW - Textbox with Arrow
Page Label: [37] C1.36 WATER QUALITY POND #1 DETAILS 5ft LxW in pg 443 of FDR.
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:07 AM
Status:
Color: ■
Layer:
Space:



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:

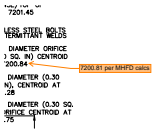
Unresolved comment from Review 1:
 depth to equal micropool elevation per
 UD-Detention spreadsheet in FDR.

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.



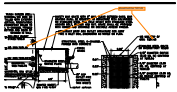
Subject: SW - Textbox with Arrow
Page Label: [38] C1.37 WATER QUALITY POND #2
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:12 AM
Status:
Color: ■
Layer:
Space:

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



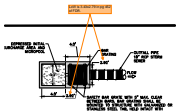
Subject: SW - Textbox with Arrow
Page Label: [39] C1.38 WATER QUALITY POND #2 DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:24 AM
Status:
Color: ■
Layer:
Space:

7200.81 per MHFD calcs



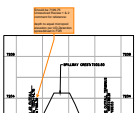
Subject: SW - Textbox with Arrow
Page Label: [39] C1.38 WATER QUALITY POND #2 DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:24 AM
Status:
Color: ■
Layer:
Space:

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:

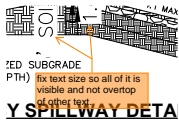
LxW is 3.43x2.79 in pg 452 of FDR.



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

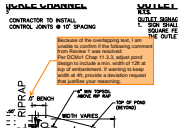
Date: 7/17/2024 10:34:24 AM

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:

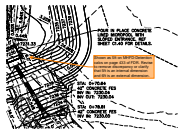
Color: ■

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

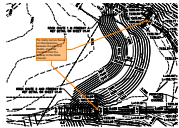
Status:

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

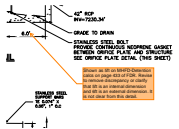
Status:

Color: ■

Layer:

Space:

For clarity and so 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: [41] C1.40 POND 3 DETAILS

Author: Glenn Reese - EPC Stormwater

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

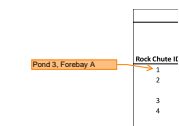
Status:

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

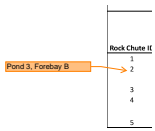
Status:

Color: ■

Layer:

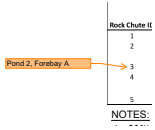
Space:

Pond 3, Forebay A



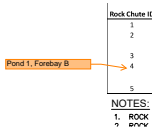
Subject: SW - Textbox with Arrow
Page Label: [42] C1.41 ROCK CHUTE DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:49 AM
Status:
Color: ■
Layer:
Space:

Pond 3, Forebay B



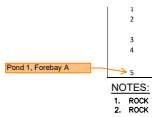
Subject: SW - Textbox with Arrow
Page Label: [42] C1.41 ROCK CHUTE DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:49 AM
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Color: ■
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Pond 2, Forebay A



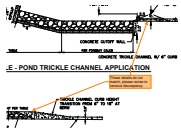
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Page Label: [42] C1.41 ROCK CHUTE DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:49 AM
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Color: ■
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Pond 1, Forebay B



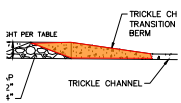
Subject: SW - Textbox with Arrow
Page Label: [42] C1.41 ROCK CHUTE DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:49 AM
Status:
Color: ■
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Space:

Pond 1, Forebay A

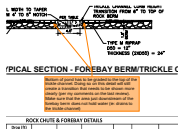


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These details do not match, please revise to remove discrepancy.

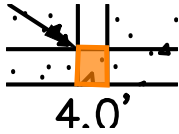


Subject: Polygon
Page Label: [42] C1.41 ROCK CHUTE DETAILS
Author: Glenn Reese - EPC Stormwater
Date: 7/17/2024 10:34:49 AM
Status:
Color: ■
Layer:
Space:



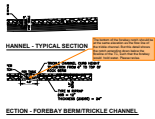
Subject: SW - Textbox with Arrow
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Bottom of pond has to be graded to the top of the trickle channel. Doing so on this detail will still create a transition that needs to be shown more clearly (per my comments on the last review). Make sure that the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



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



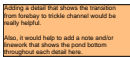
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Please add these labels so our inspectors do not have to cross reference to 3 different sheets to figure out which pond & forebay each chute corresponds to. Thanks.



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



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