

EAGLEVIEW SUBDIVISION CONSTRUCTION DOCUMENTS

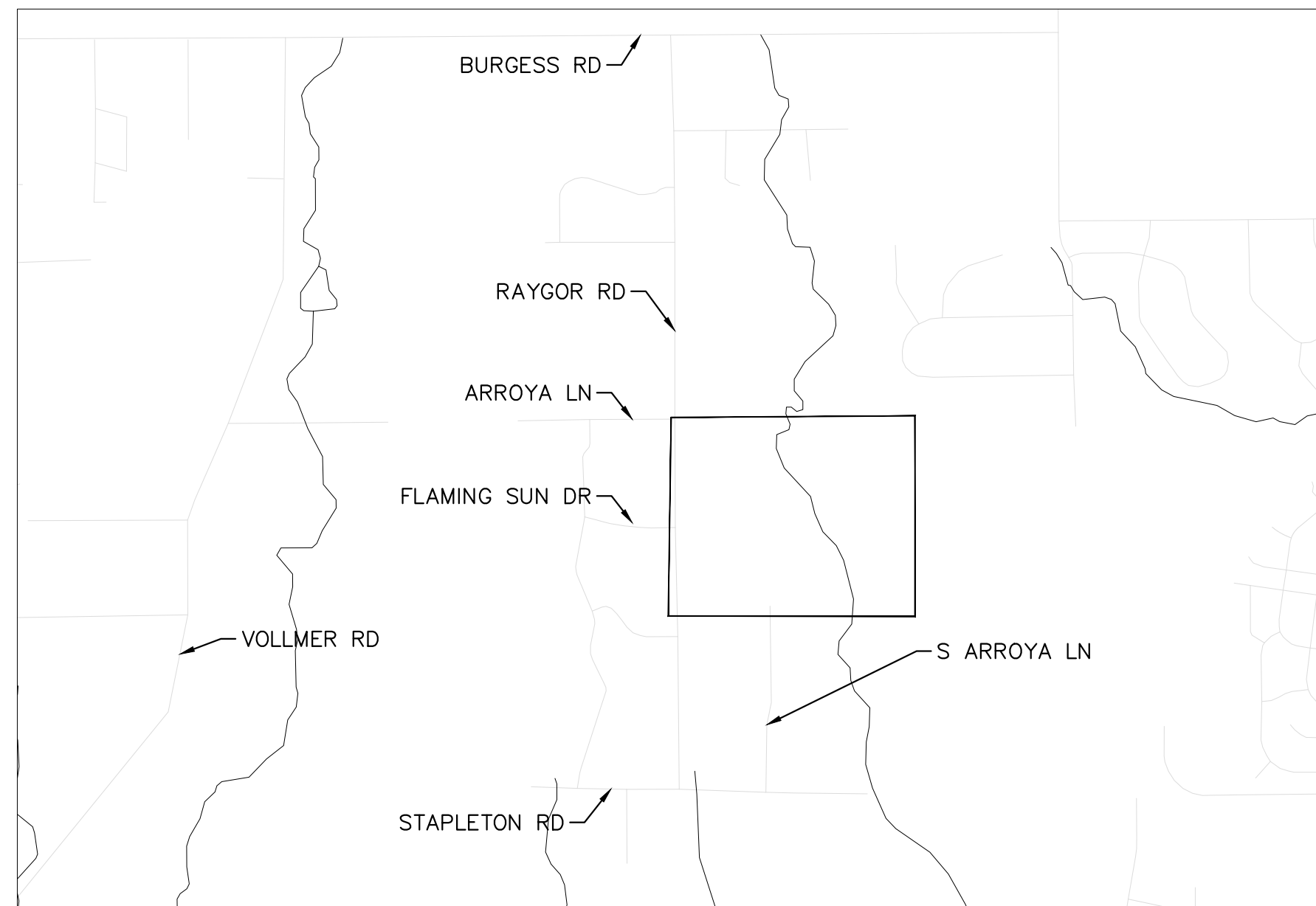
A PORTION OF THE NORTHWEST ONE-QUARTER (N.W.1/4) OF SECTION 26
TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH P.M.
COUNTY OF EL PASO, STATE OF COLORADO

From the Feb 2 meeting, channel designs is anticipated to be incorporated to this Construction Documents plan set. Additional comments will likely be generated on the resubmittal.

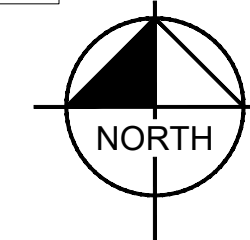
Update Planner information to Ryan Howser (719) 520-6049 ryanhowser@elpasoco.com

Update EPC Review Engineer to Ed Schoenheit 719-520-6813 edwardschoenheit@elpasoco.com

SHEET INDEX	
SHEET TITLE	SHEET NO.
COVER SHEET	1
TYPICAL SECTIONS	2 - 3
HORIZONTAL CONTROL PLAN	4 - 5
GRADING PLAN	6 - 7
FLAMING SUN PLAN AND PROFILE	8 - 10
S. ARROYA LN. PLAN AND PROFILE	11 - 13
PRESA LN. & CHAMITA TRL. PLAN AND PROFILE	14 - 15
ARROYA LN. PLAN AND PROFILE	16
ON-SITE STRIPING & SIGNAGE PLAN	17
RAYGOR REMOVE AND RESET PLAN	18 - 19
RAYGOR PLAN AND PROFILE	20 - 21
BURGESS REMOVE AND RESET PLAN	22
BURGESS PLAN AND PROFILE	23
OFF-SITE STRIPING & SIGNAGE PLAN	24
EMERGENCY ACCESS ROAD PLAN & PROFILE	25
CULVERT PLAN AND PROFILES	26 - 34
END TREATMENT DETAIL	35
SUB-REGIONAL POND (SR1)	36 - 37
WATER QUALITY POND #1	38 - 39
WATER QUALITY POND #2	40 - 41
ROCK CHUTE DETAILS	42



VICINITY MAP
1" = 2000'



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: ABARLOWNES@COLORADO.COM
CONTACT: ANDREA BARLOW

ENGINEER:
KIMLEY-HORN AND ASSOCIATES, INC.
2 NORTH NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, CO 80903
TEL: (719) 352-9194
EMAIL: KEVIN.KOFFORD@KIMLEY-HORN.COM
CONTACT: KEVIN KOFFORD

SURVEY:
RAMPART SURVEYS, LLC.
1050 TAMARAC PKWY
WOODLAND PARK, CO 80863
TEL: (719) 687-0920
CONTACT: RUSS WOOD

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

PLANNING REVIEWER:
NINA RUIZ
TEL: (719) 520-6313
EMAIL: NNARUIZ@ELPASOCO.COM

ENGINEERING REVIEWER:
GILBERT LAFORGE
TEL: (719) 520-7945
EMAIL: GILBERTLAFORGE@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) 495-4050
EMAIL: FALCONFIRE@FALCONFIRE.PD.ORG

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



DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KRK
DATE: 12/23/2023

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
COVER SHEET

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

PROJECT NO.
196106001
SHEET
1

COUNTY ENGINEER/ECM ADMINISTRATOR DATE

FLOODPLAIN NOTE

ACCORDING TO NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP NUMBER 08041C05356 (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.

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 MFY 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 MFY 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.

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.

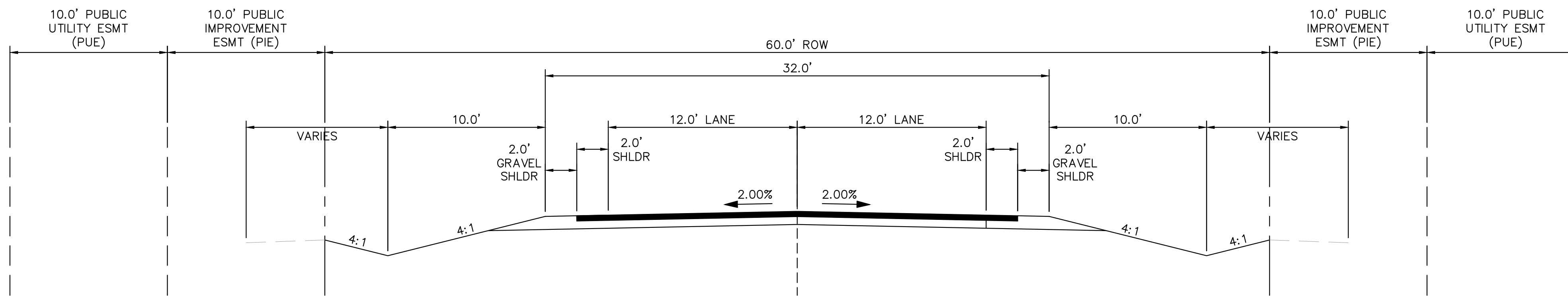
IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF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

COUNTY ENGINEER/ECM ADMINISTRATOR DATE

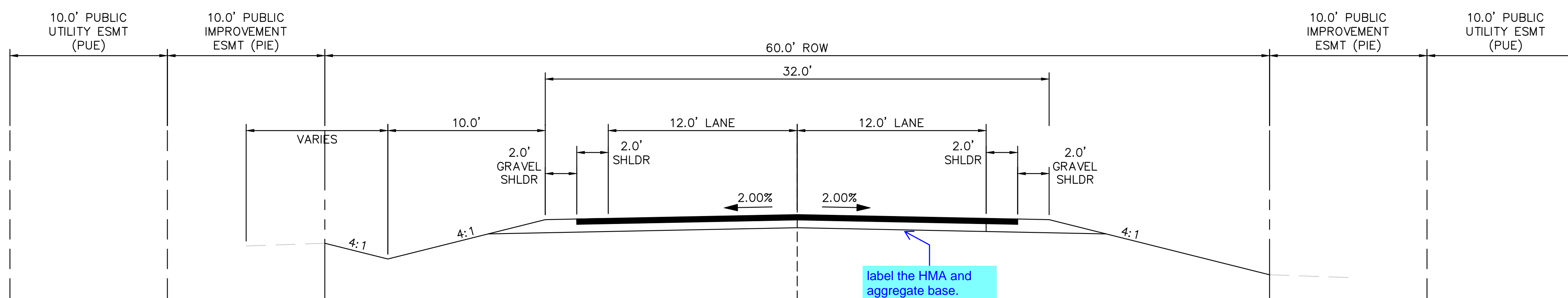
Add missing standard EPC CD notes. See (click) File icon



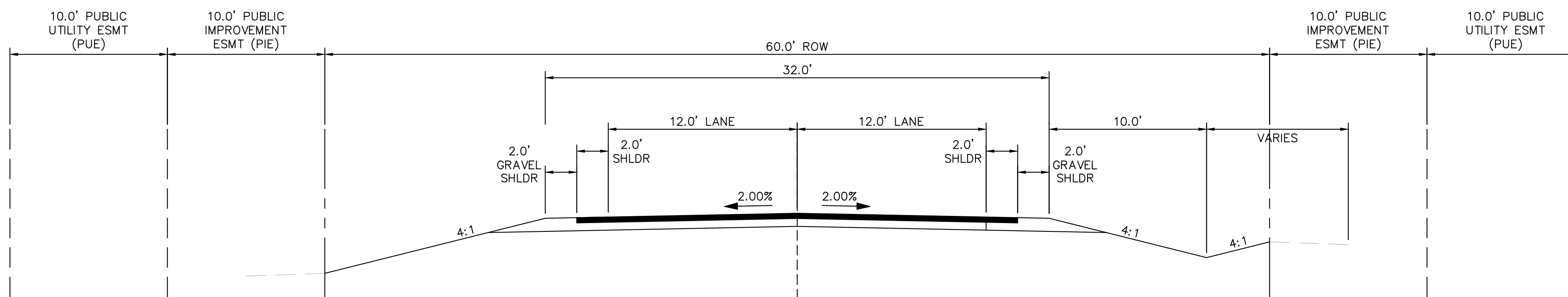
ON-SITE ROADWAY TYPICAL SECTIONS



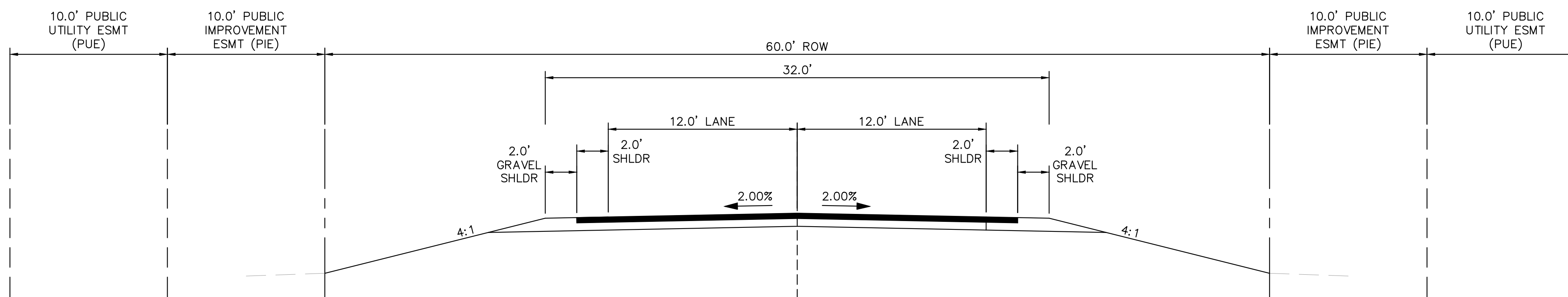
(A) RURAL LOCAL ROADWAY - ROADSIDE DITCH: LEFT AND RIGHT
SCALE: 1" = 5'



(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'

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 - 89+59.00

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

NO.	REVISION	BY	DATE	APPR

Kimley»Horn
2022 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: 12/23/2023

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
TYPICAL SECTIONS

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

PROJECT NO.
196106001

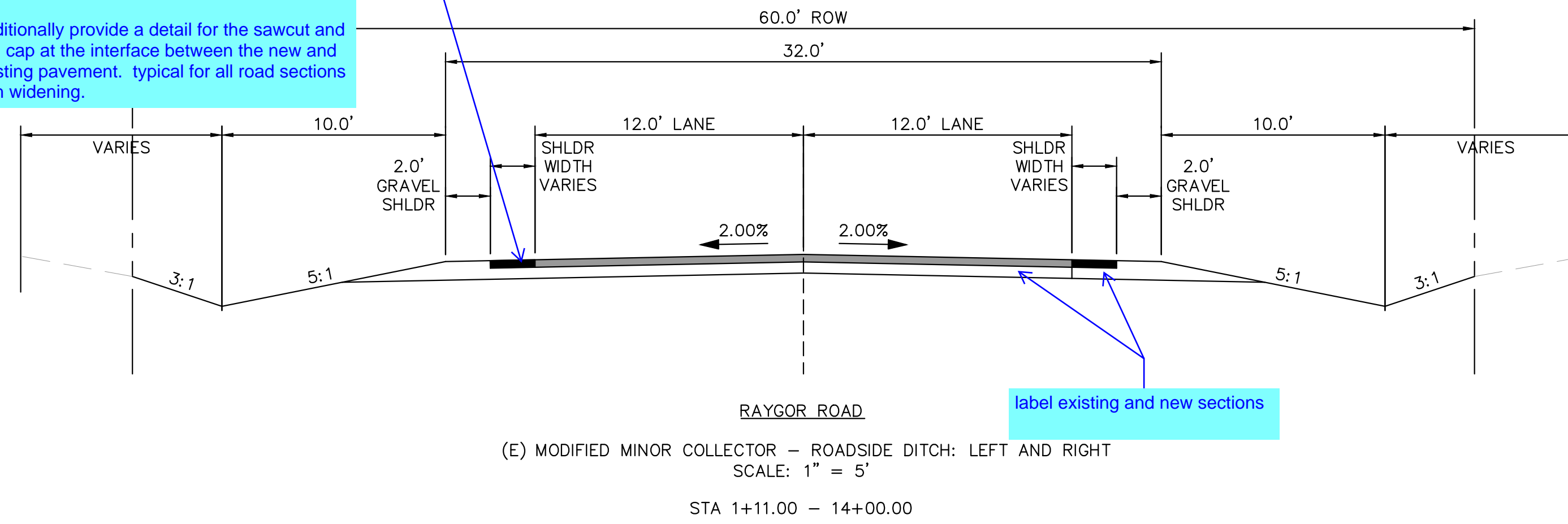
SHEET
2



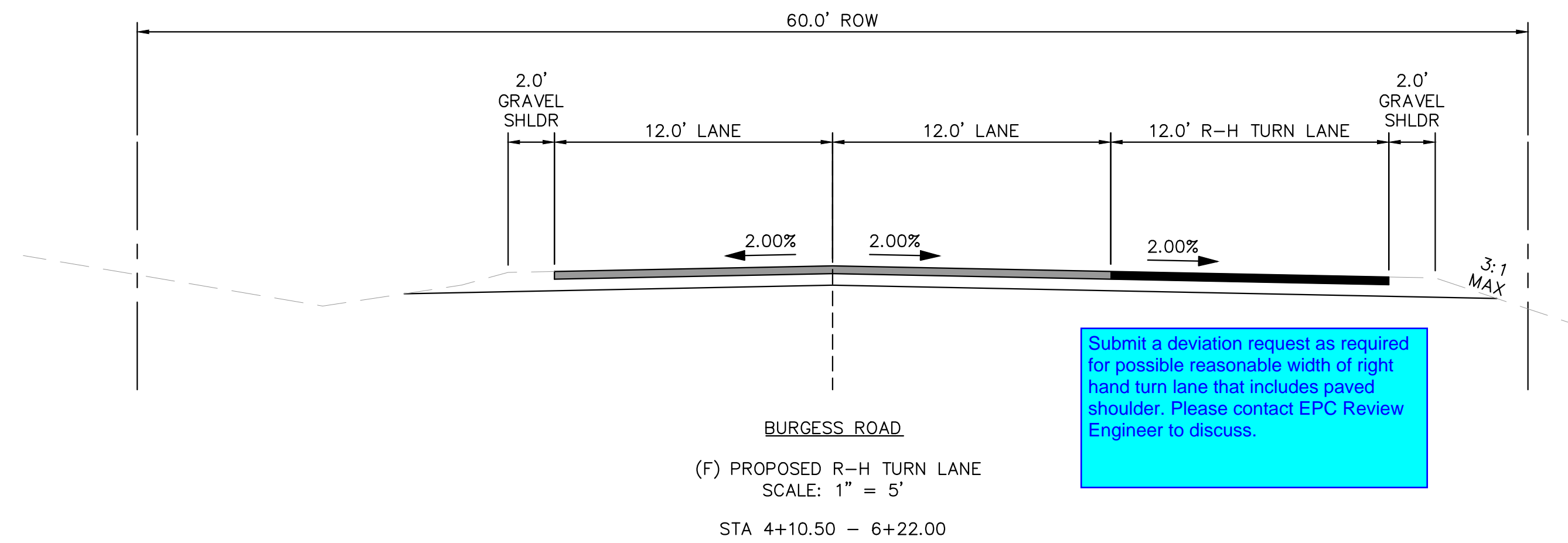
Provide additional detail. Existing condition of the road has pavement deterioration which would need to be removed and replaced in conjunction with the widening. Update plans to show the extent of removal. Possibly coordinate a site visit with the review engineer to verify areas that need to be removed/replaced.

Additionally provide a detail for the sawcut and "T" cap at the interface between the new and existing pavement. Typical for all road sections with widening.

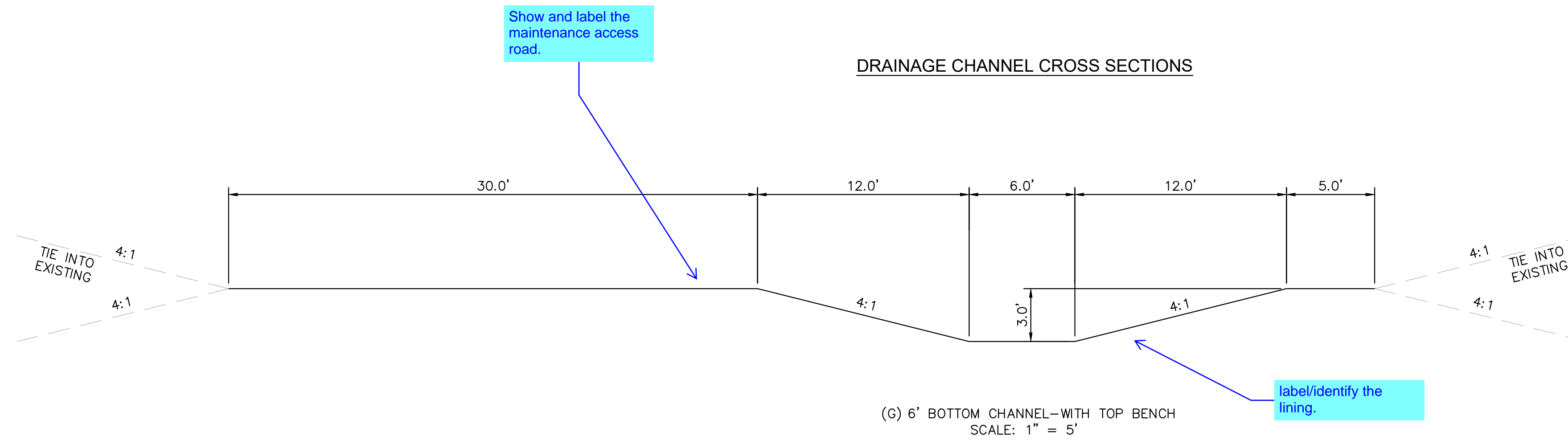
OFF-SITE ROADWAY TYPICAL SECTIONS



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



DRAINAGE CHANNEL CROSS SECTIONS



K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDs\CD_TYPSEC.dwg Schmelbach, Ryan 12/23/2022 9:58 AM

NO.	REVISION	BY	DATE	APPR

Kimley»Horn
2022 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: 12/23/2023

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
TYPICAL SECTIONS

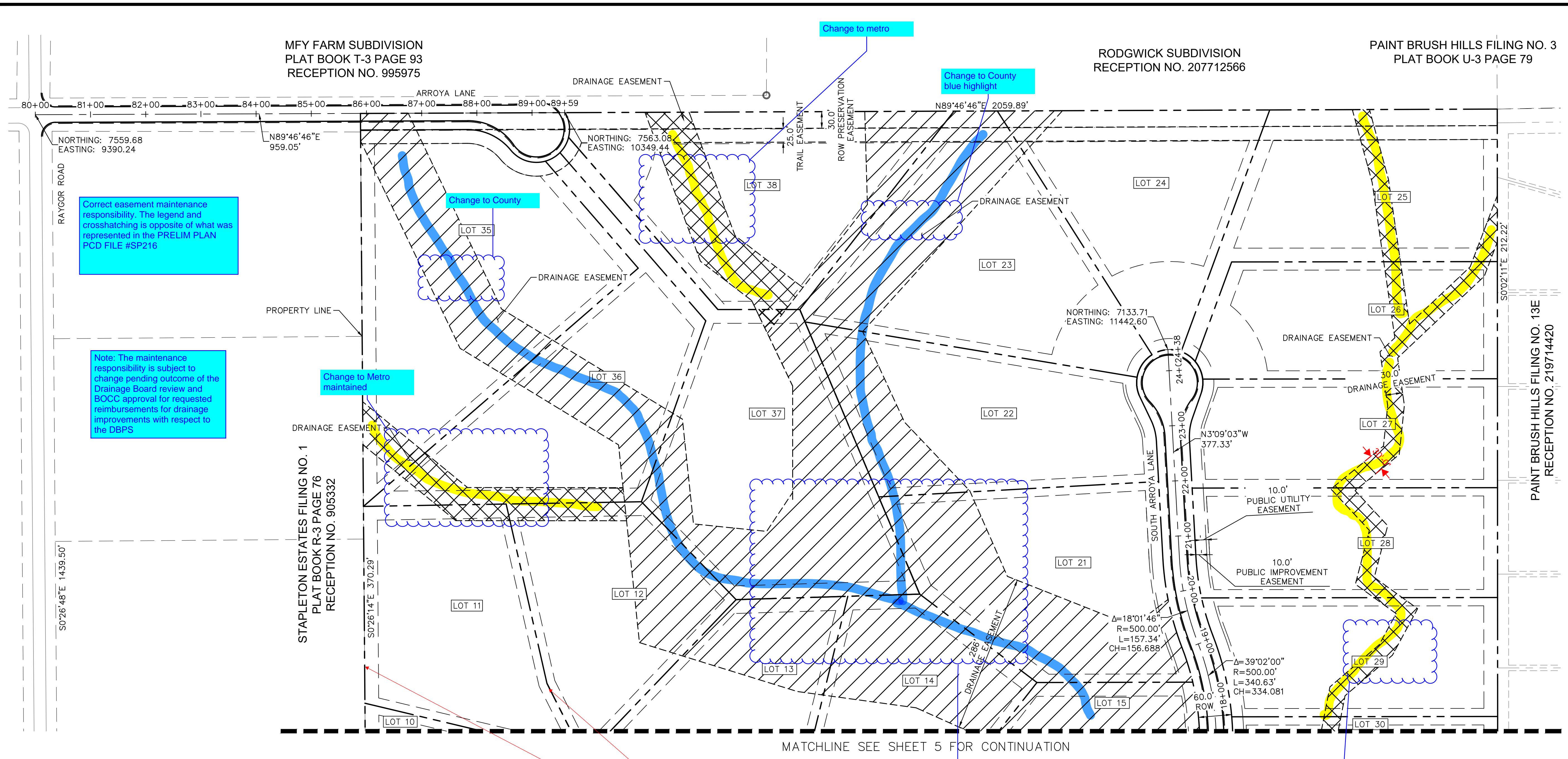
PRELIMINARY
FOR REVIEW ONLY
NOT FOR
CONSTRUCTION
Kimley»Horn
Kimley-Horn and Associates, Inc.

PROJECT NO.
196106001
SHEET
3

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDs_CD_HC.dwg Schmelbach, Ryan 12/23/2022 9:58 AM



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



Correct easement maintenance responsibility. The legend and crosshatching is opposite of what was represented in the PRELIM PLAN PCD FILE #SP216

Note: The maintenance responsibility is subject to change pending outcome of the Drainage Board review and BOCC approval for requested reimbursements for drainage improvements with respect to the DBPS

Change to Metro maintained

Change to County

Change to metro

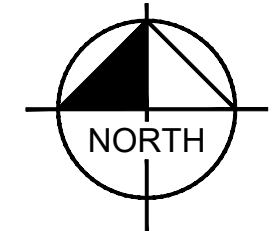
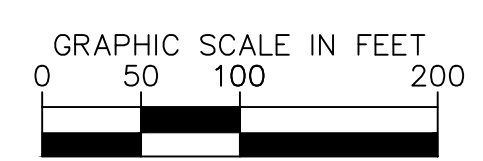
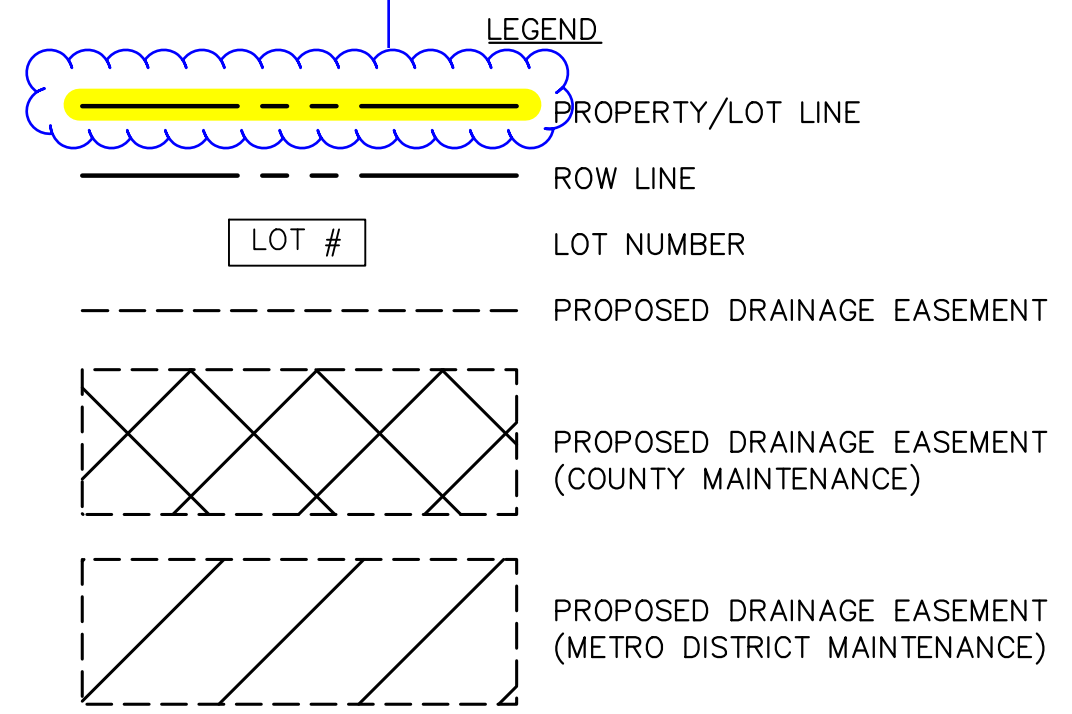
Change to County blue highlight

Review and correct all drainage easements for Metro Maintenance or County Maintenance.

property lines to be solid heavy black line. Correct drawings throughout and legend all sheets

Correct Pond maintenance. This reflects Metro, DBPS, LOI states and FDR reflects County maintained SBR1. Add line to indicate pond boundary

Reflect owner maintained easements. Update legend with new symbol

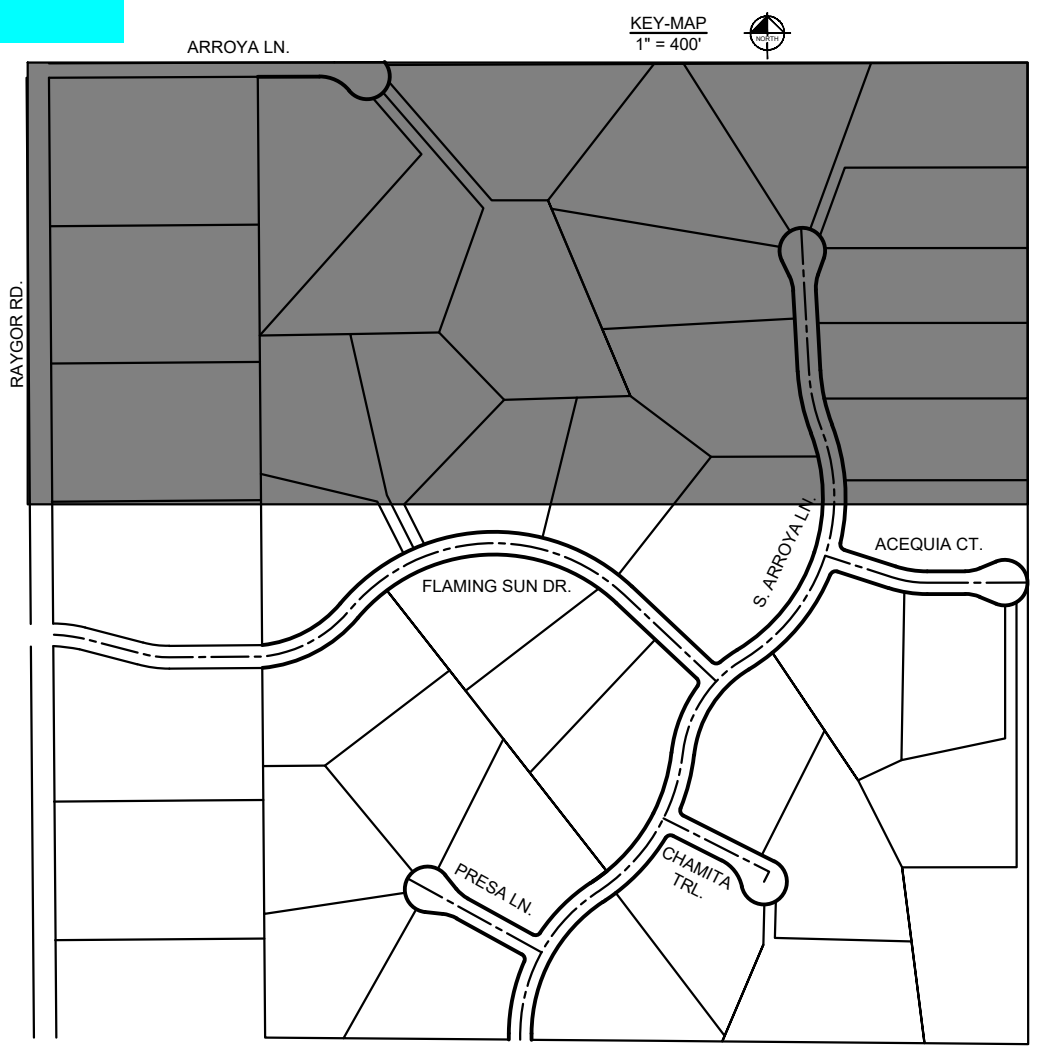


BENCHMARK

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.



MFY FARM SUBDIVISION
PLAT BOOK T-3 PAGE 93
RECEPTION NO. 995975

RODGWICK SUBDIVISION
RECEPTION NO. 207712566

PAINT BRUSH HILLS FILING NO. 3
PLAT BOOK U-3 PAGE 79

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

PAINT BRUSH HILLS FILING NO. 13E
RECEPTION NO. 219714420

MATCHLINE SEE SHEET 5 FOR CONTINUATION

NO.	REVISION	BY	DATE

Kimley»Horn
2022 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: 12/23/2023

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
HORIZONTAL CONTROL PLAN

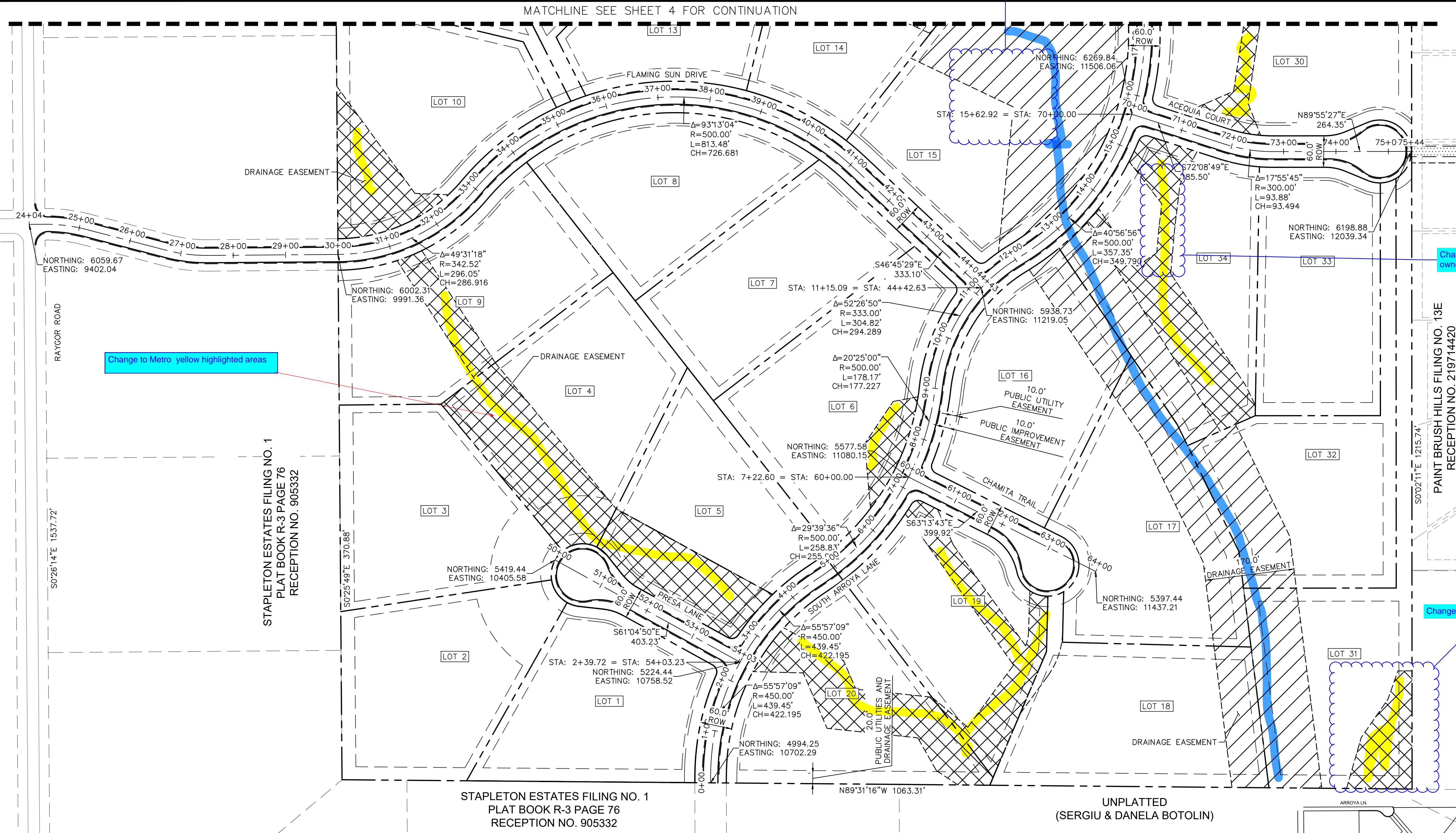
PRELIMINARY
FOR REVIEW ONLY
NOT FOR
CONSTRUCTION

Kimley»Horn
Kimley-Horn and Associates, Inc.

PROJECT NO.
196106001

SHEET
4

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDs_HC.dwg Schnelbach, Ryan 12/23/2022 9:58 AM



NORTHING: 6059.67
EASTING: 9402.04

NORTHING: 6002.31
EASTING: 9991.36

NORTHING: 5419.44
EASTING: 10405.58

NORTHING: 5224.44
EASTING: 10758.52

NORTHING: 4994.25
EASTING: 10702.29

NORTHING: 5577.58
EASTING: 11080.15

NORTHING: 5938.73
EASTING: 11219.05

NORTHING: 6198.88
EASTING: 12039.34

MATCHLINE SEE SHEET 4 FOR CONTINUATION

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

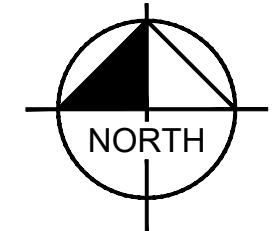
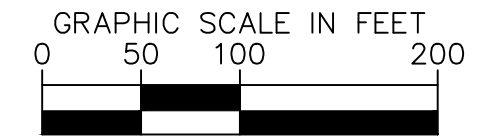
STAPLETON ESTATES FILING NO. 1
PLAT BOOK R-3 PAGE 76
RECEPTION NO. 905332

UNPLATTED
(SERGIU & DANELA BOTOLIN)

PAINT BRUSH HILLS FILING NO. 13E
RECEPTION NO. 219714420

Review and correct all drainage easements for Metro Maintenance or County Maintenance.

- LEGEND
- PROPERTY/LOT LINE
 - ROW LINE
 - LOT #
 - PROPOSED DRAINAGE EASEMENT
 - PROPOSED DRAINAGE EASEMENT (COUNTY MAINTENANCE)
 - PROPOSED DRAINAGE EASEMENT (METRO DISTRICT MAINTENANCE)

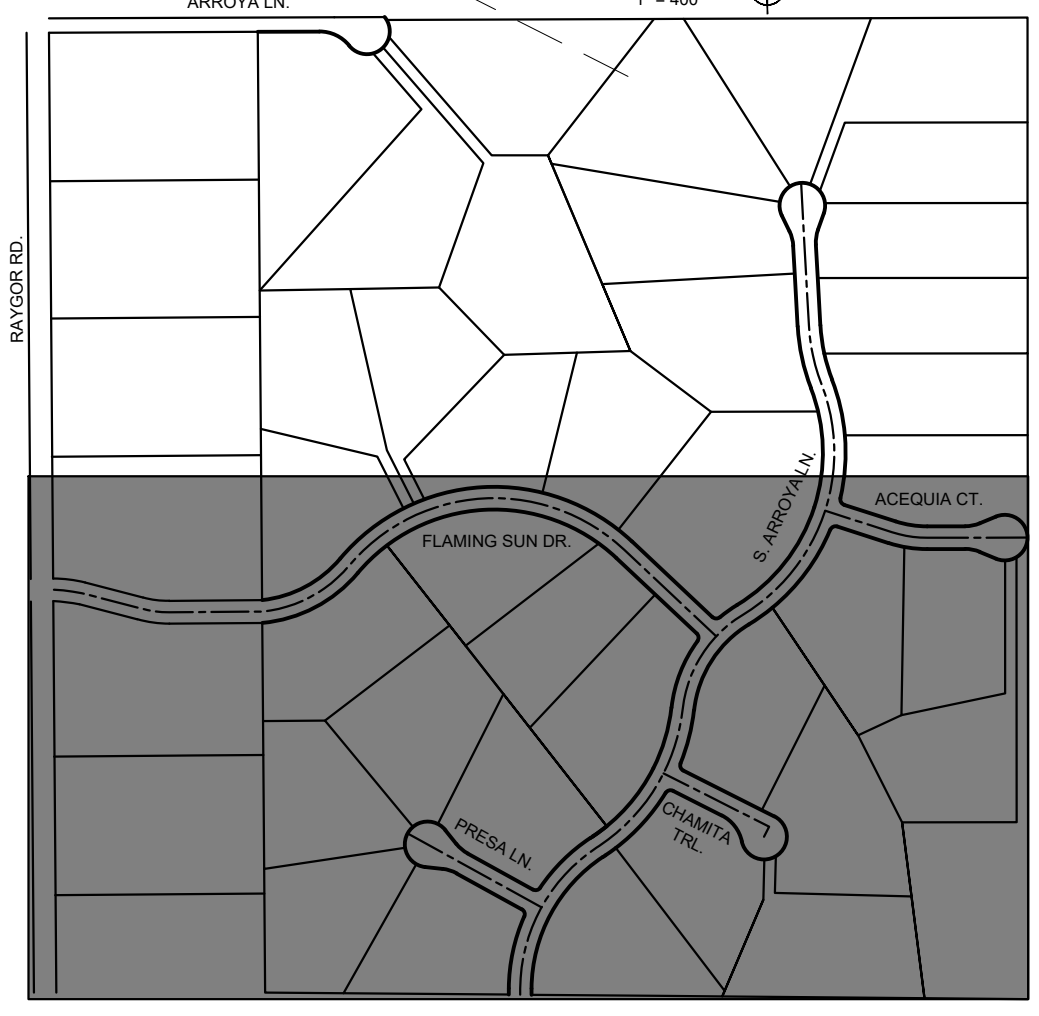


BENCHMARK

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

BASIS OF BEARINGS

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



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

KimleyHorn
2022 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

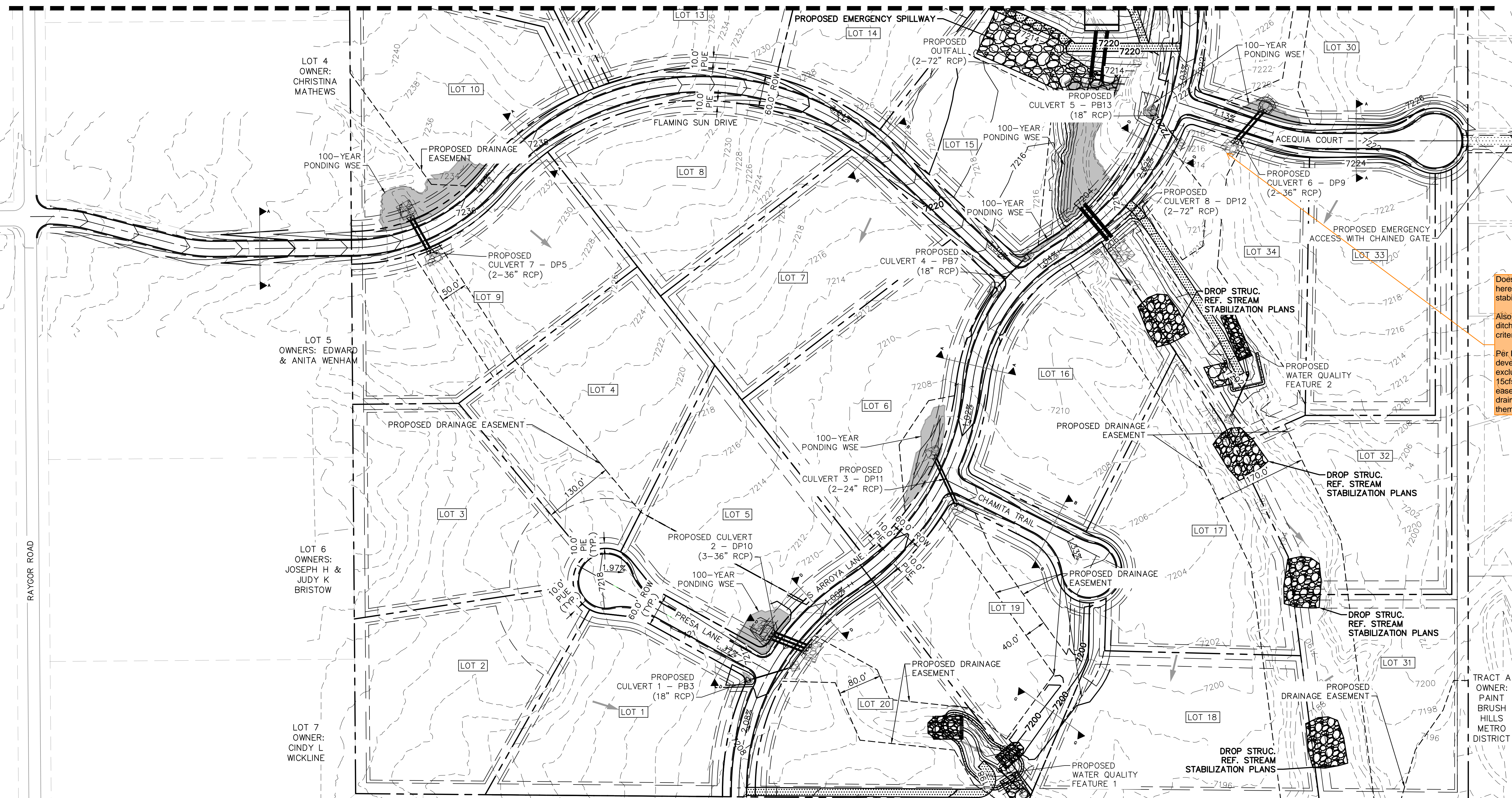
DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KRK
DATE: 12/23/2023

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
HORIZONTAL CONTROL PLAN

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

PROJECT NO.
196106001
SHEET
5

MATCHLINE SEE SHEET 6 FOR CONTINUATION



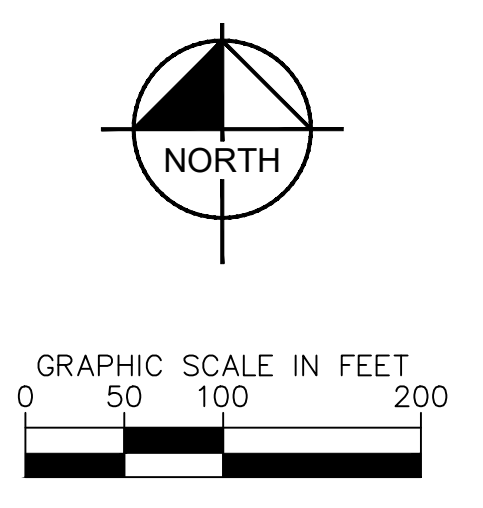
Does downstream ditch between here and pond need to be stabilized? Check flows/velocities.
 Also, if flows exceed 15cfs in this ditch on any others, flow this criteria:
 Per ECM 3.3.4.A, ditches in developments (roadside ditches excluded) that convey more than 15cfs should be in drainage easements. Please create drainage easements and reflect them on the plat.

RAYCOR ROAD

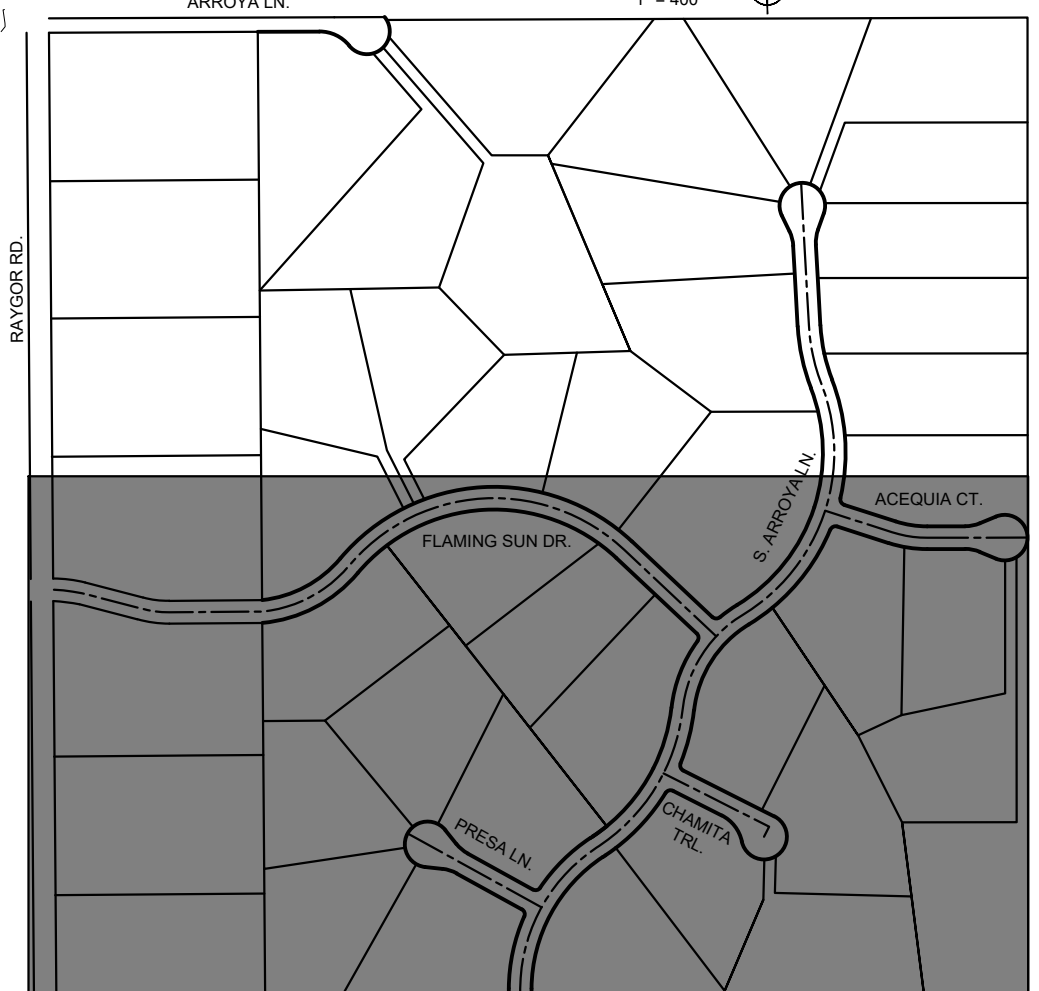
K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDs_CD_GP.dwg Schmelbach, Ryan 12/23/2022 9:59 AM



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



- LEGEND**
- PROPERTY/LOT LINE
 - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT #
 - PROPOSED DRAINAGE EASEMENT
 - ▲ CROSS SECTION (SEE SHEET 2)
 - PROPOSED CULVERT
 - 7XXX--- EXISTING MAJOR CONTOUR
 - 7XXX--- EXISTING MINOR CONTOUR
 - 7XXX--- PROPOSED MAJOR CONTOUR
 - 7XXX--- PROPOSED MINOR CONTOUR



NO.	REVISION	BY	DATE	APPR

Kimley»Horn
 2022 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: 12/23/2023

EAGLEVIEW
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
 GRADING PLAN

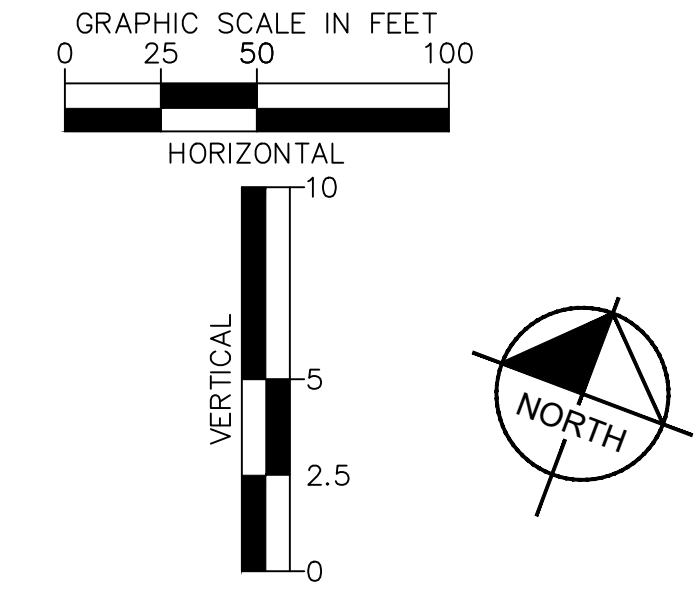
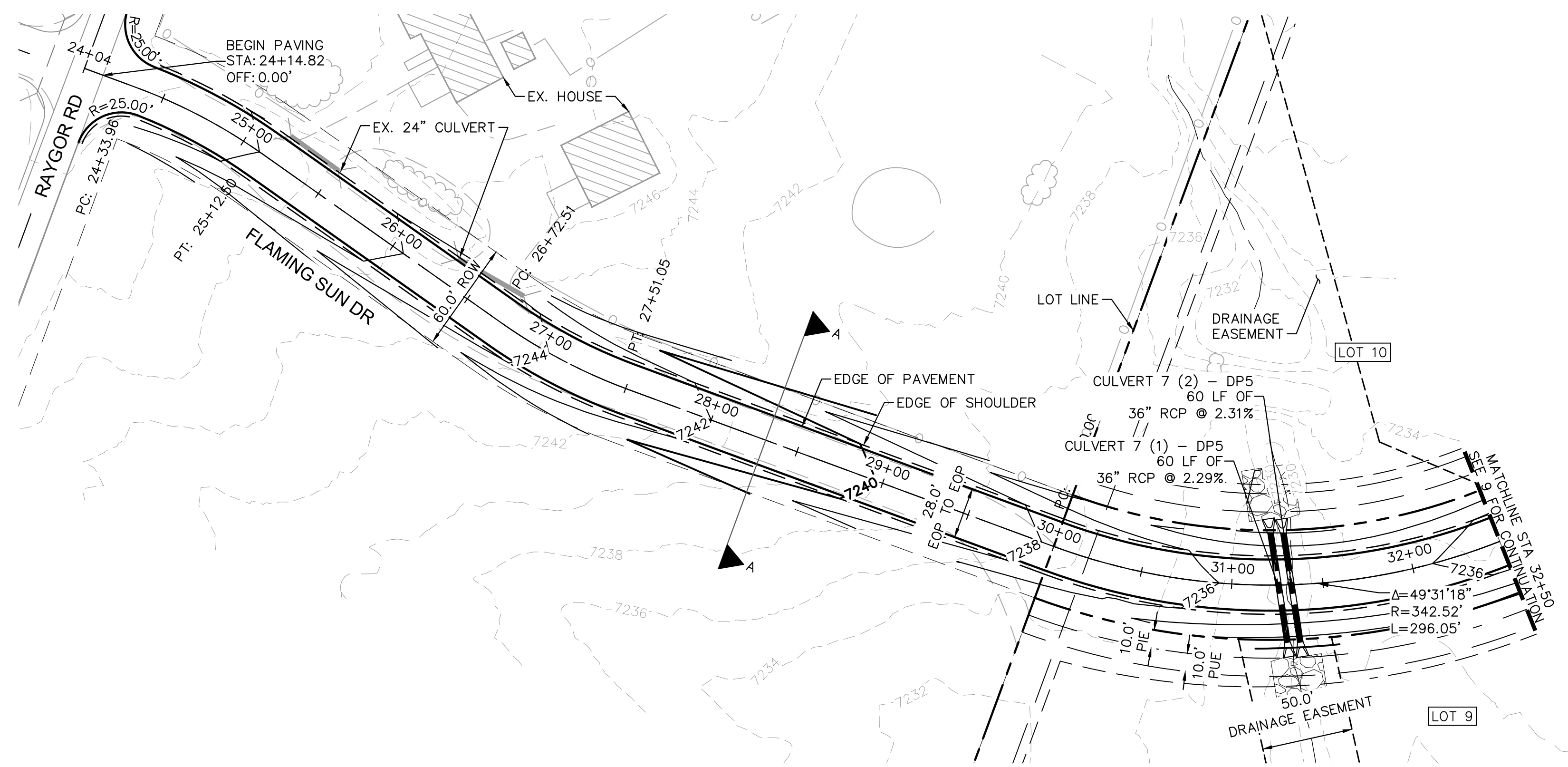
PRELIMINARY
 FOR REVIEW ONLY
 NOT FOR CONSTRUCTION

Kimley»Horn
 Kimley-Horn and Associates, Inc.

PROJECT NO.
 196106001

SHEET
 7

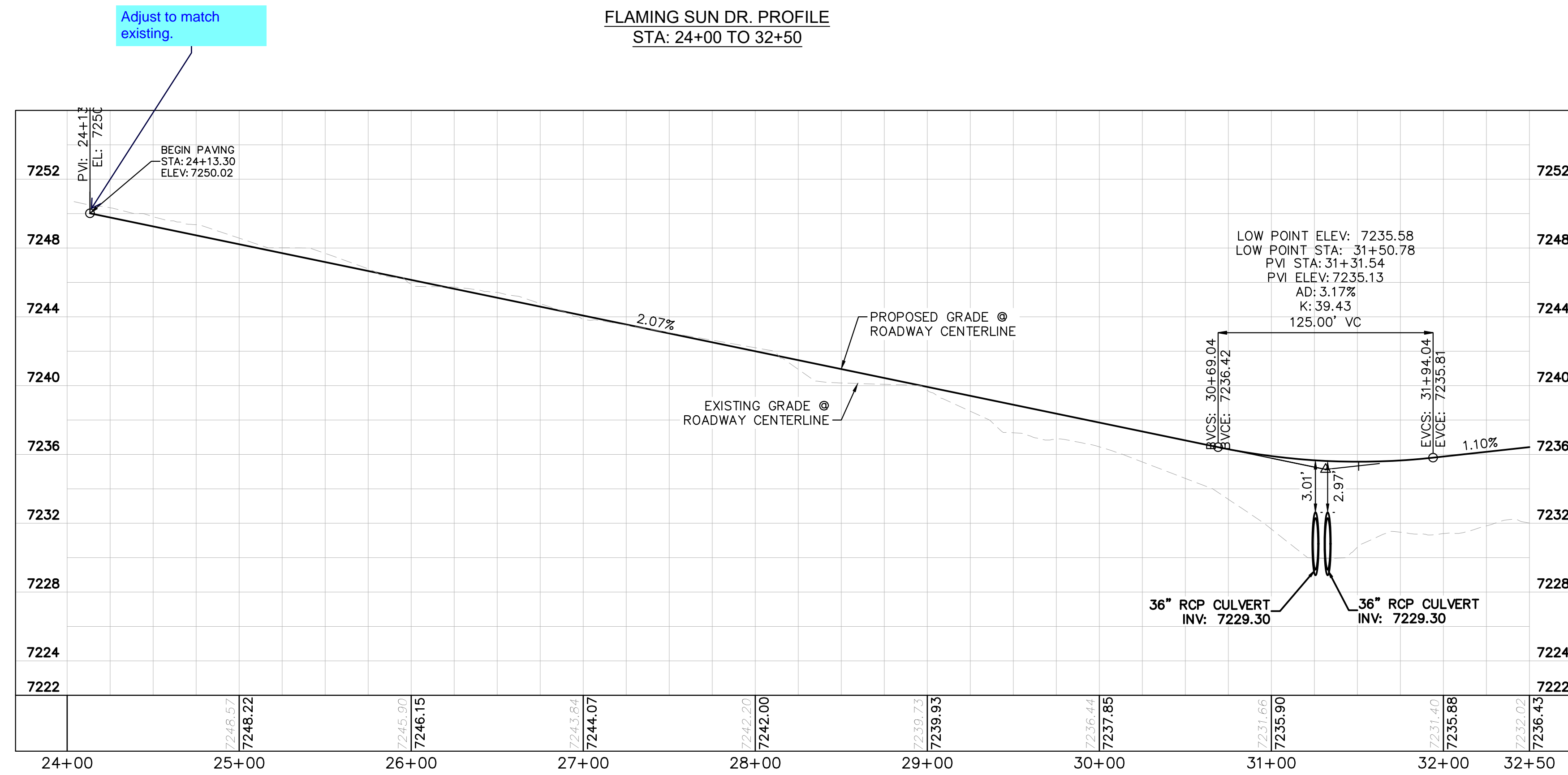
K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDA\096288000CD_RD_P&P.dwg Schmelbach, Ryan 12/23/2022 9:59 AM



LEGEND

	PROPERTY/LOT LINE
	ROW LINE
	UTILITY EASEMENT LINE
	LOT NUMBER
	PROPOSED DRAINAGE EASEMENT
	CROSS SECTION (SEE SHEET 2)
	PROPOSED CULVERT
	EXISTING CULVERT
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED EDGE OF PAVEMENT
	PROPOSED EDGE OF SHOULDER

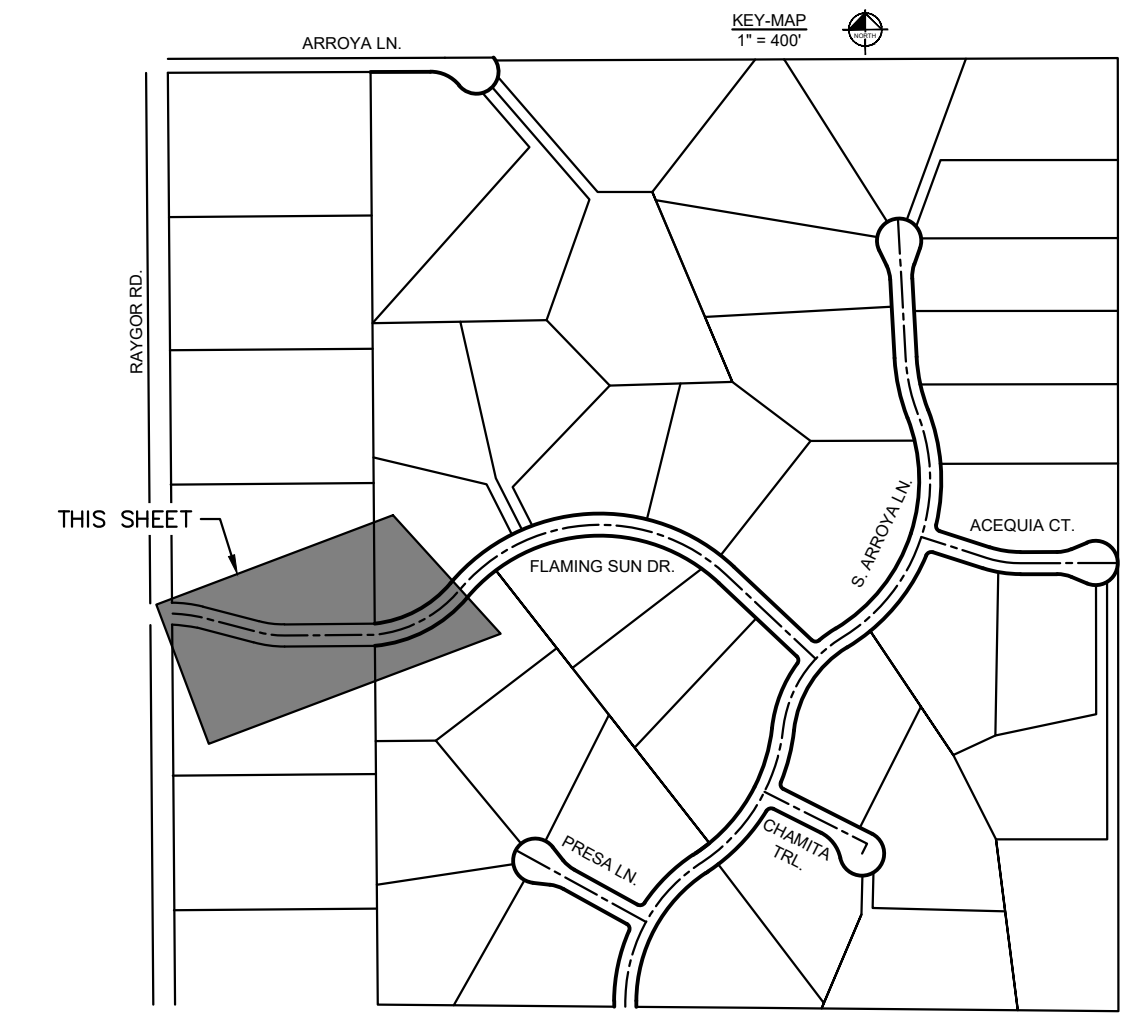
FLAMING SUN DR. PROFILE
 STA: 24+00 TO 32+50



Adjust to match existing.

NOTES

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



NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
 2022 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

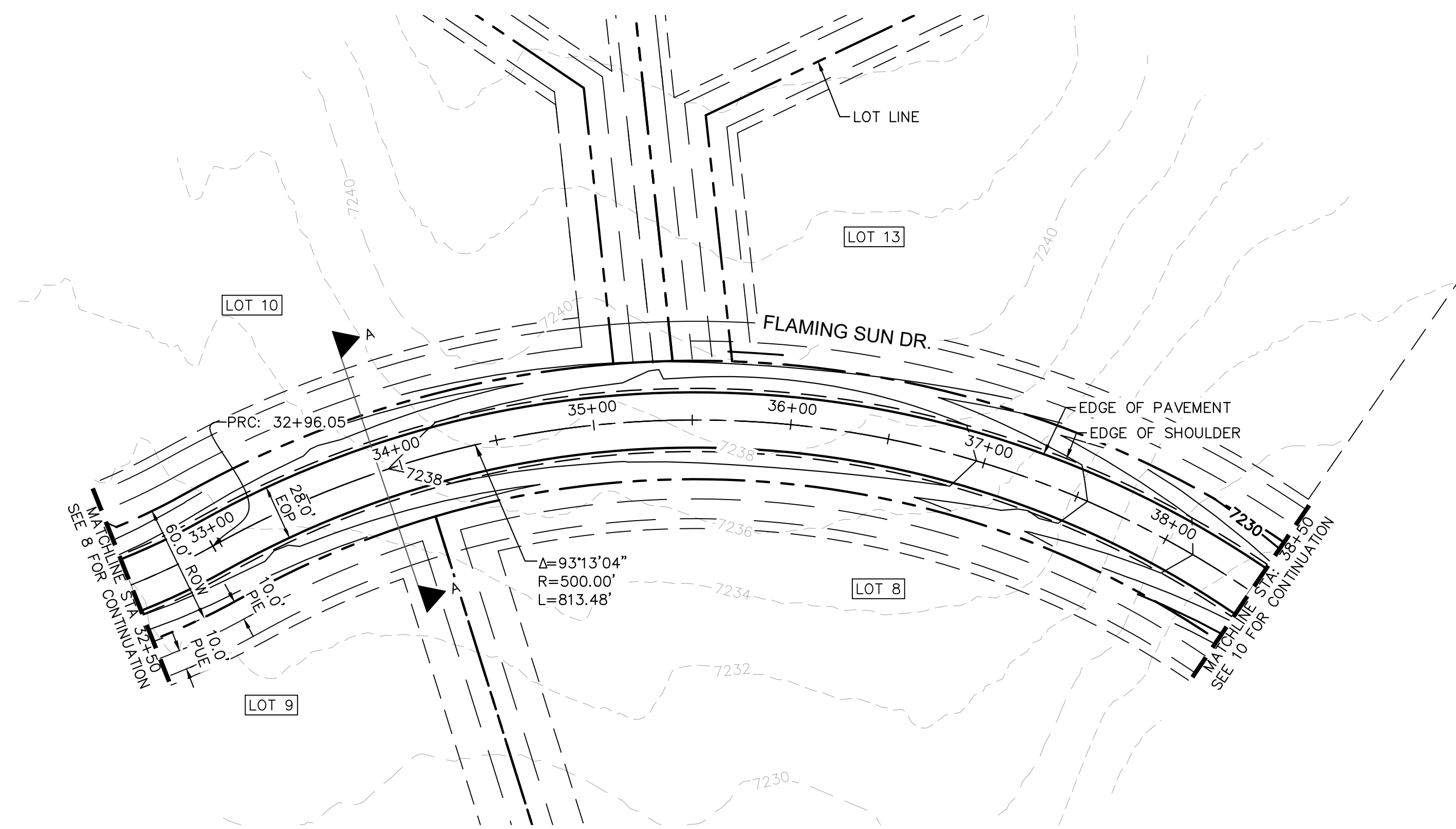
DESIGNED BY: MJK
 DRAWN BY: MJK
 CHECKED BY: KRK
 DATE: 12/23/2023

EAGLEVIEW
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
 FLAMING SUN PLAN AND PROFILE

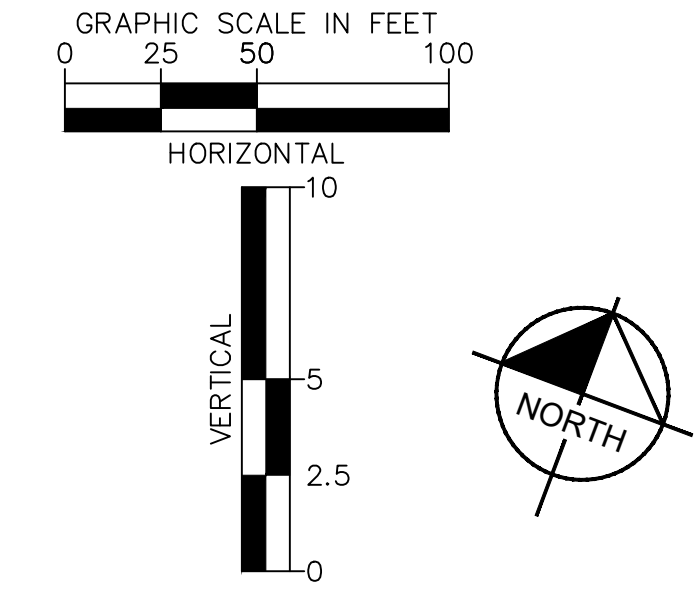
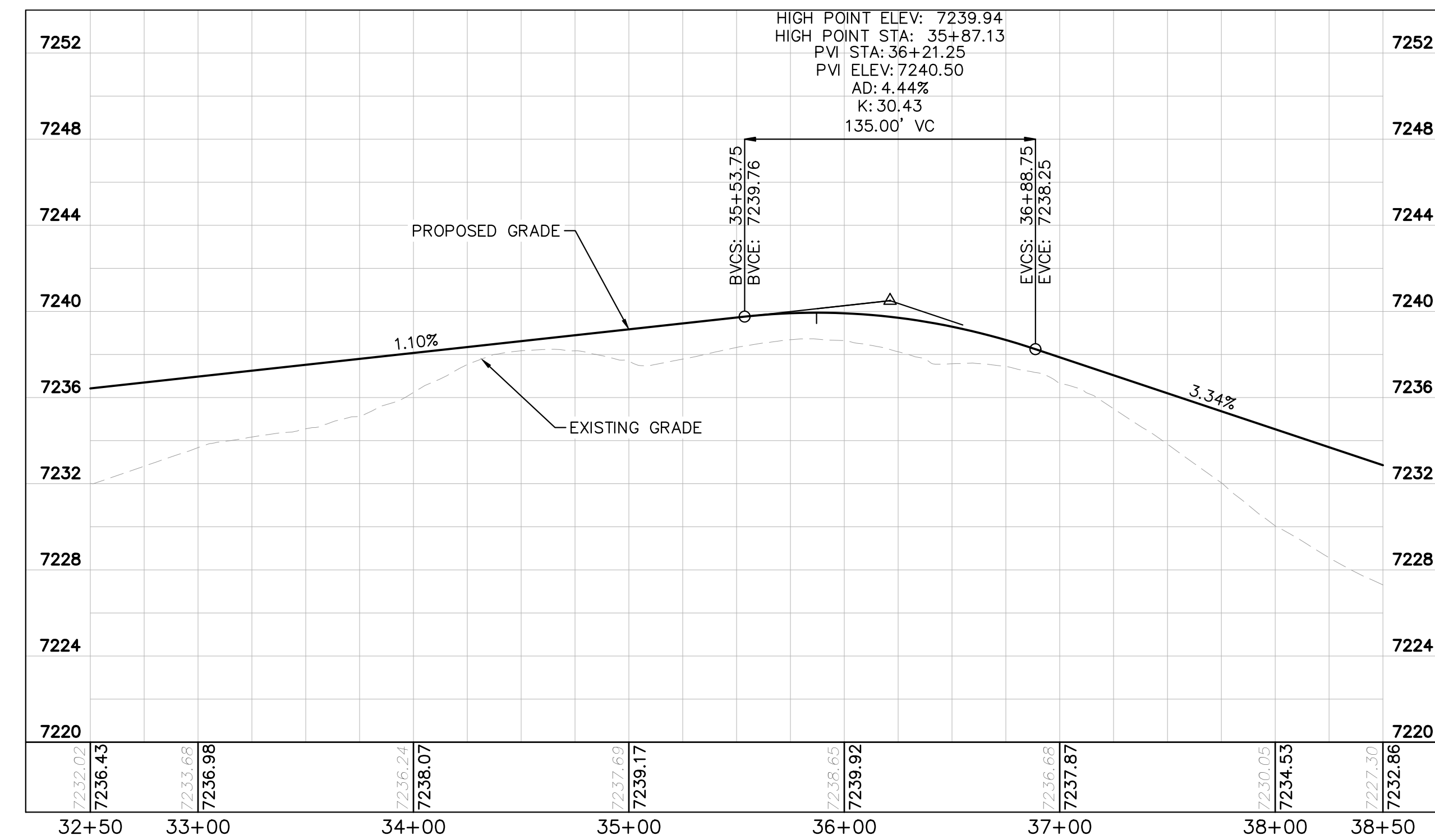
PRELIMINARY
 FOR REVIEW ONLY
 NOT FOR CONSTRUCTION
 Kimley»Horn
 Kimley-Horn and Associates, Inc.

PROJECT NO.
 196106001
 SHEET
 8

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDA\096288000CD_RD_P&P.dwg Schmelbach, Ryan 12/23/2022 9:59 AM



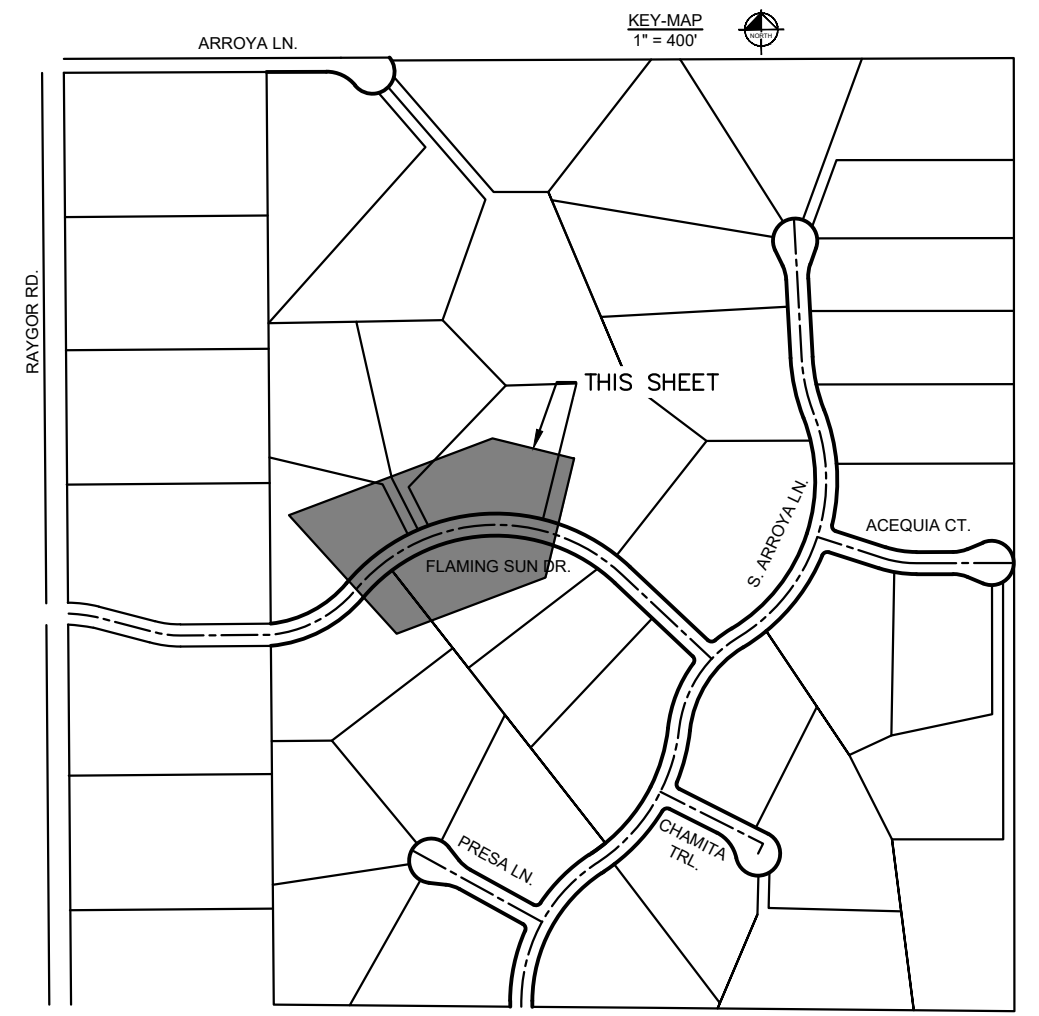
FLAMING SUN DR. PROFILE
STA: 32+50 TO 38+50



- LEGEND
- PROPERTY/LOT LINE
 - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT # LOT NUMBER
 - x-x- PROPOSED DRAINAGE EASEMENT
 - ▲▲ CROSS SECTION (SEE SHEET 2)
 - 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

NOTES

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



NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
 2022 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: 12/23/2023

EAGLEVIEW
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
 FLAMING SUN PLAN AND PROFILE

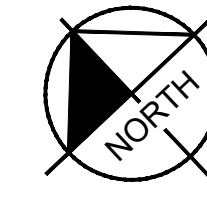
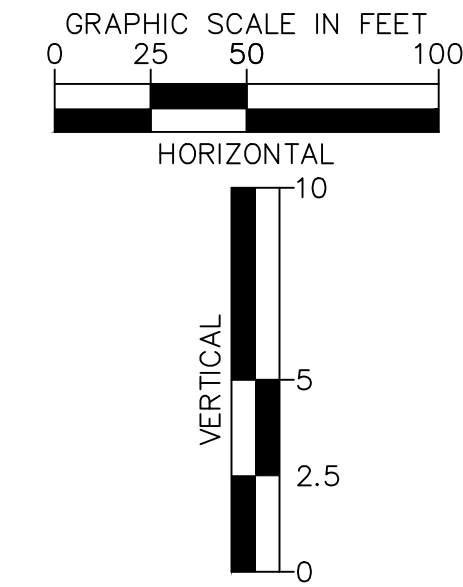
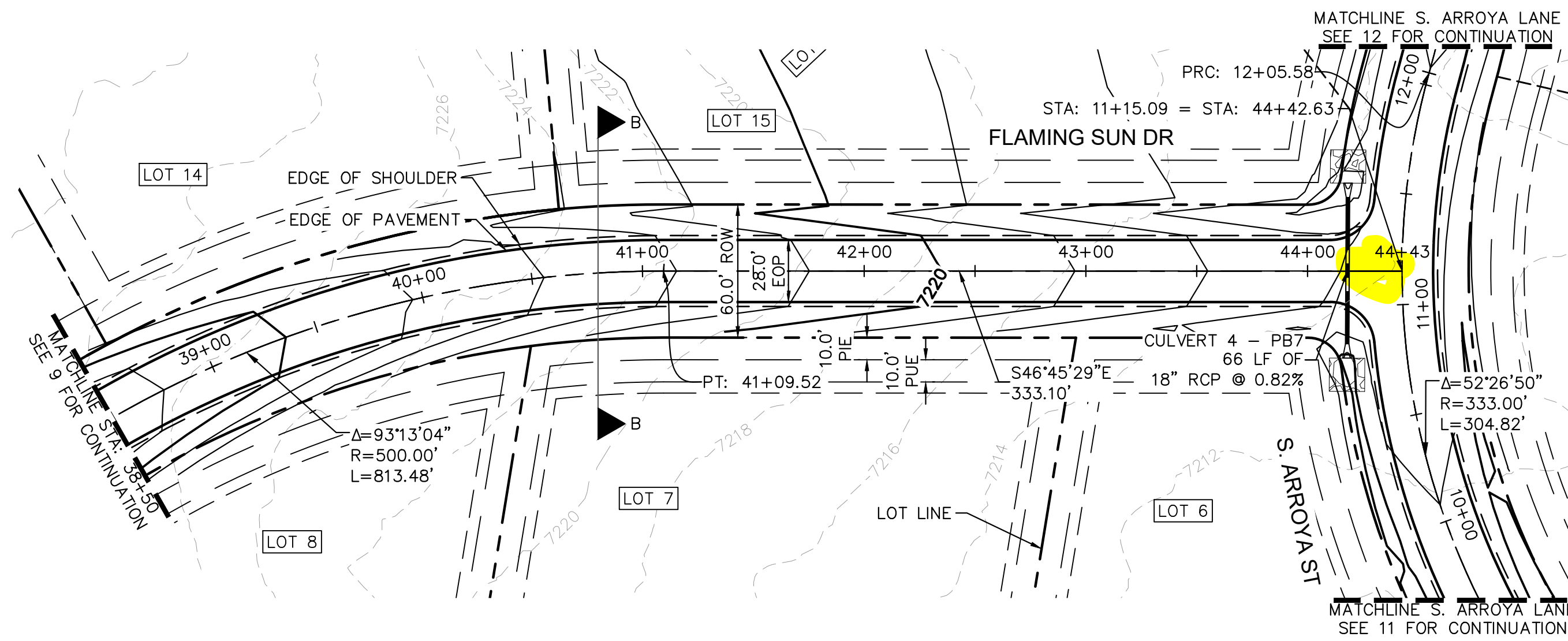
PRELIMINARY
 FOR REVIEW ONLY
 NOT FOR
 CONSTRUCTION
Kimley»Horn
 Kimley-Horn and Associates, Inc.

PROJECT NO.
 196106001
 SHEET
 9

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDA\962880000_CD_RD_P&P.dwg Schmelbach, Ryan 12/23/2022 9:59 AM

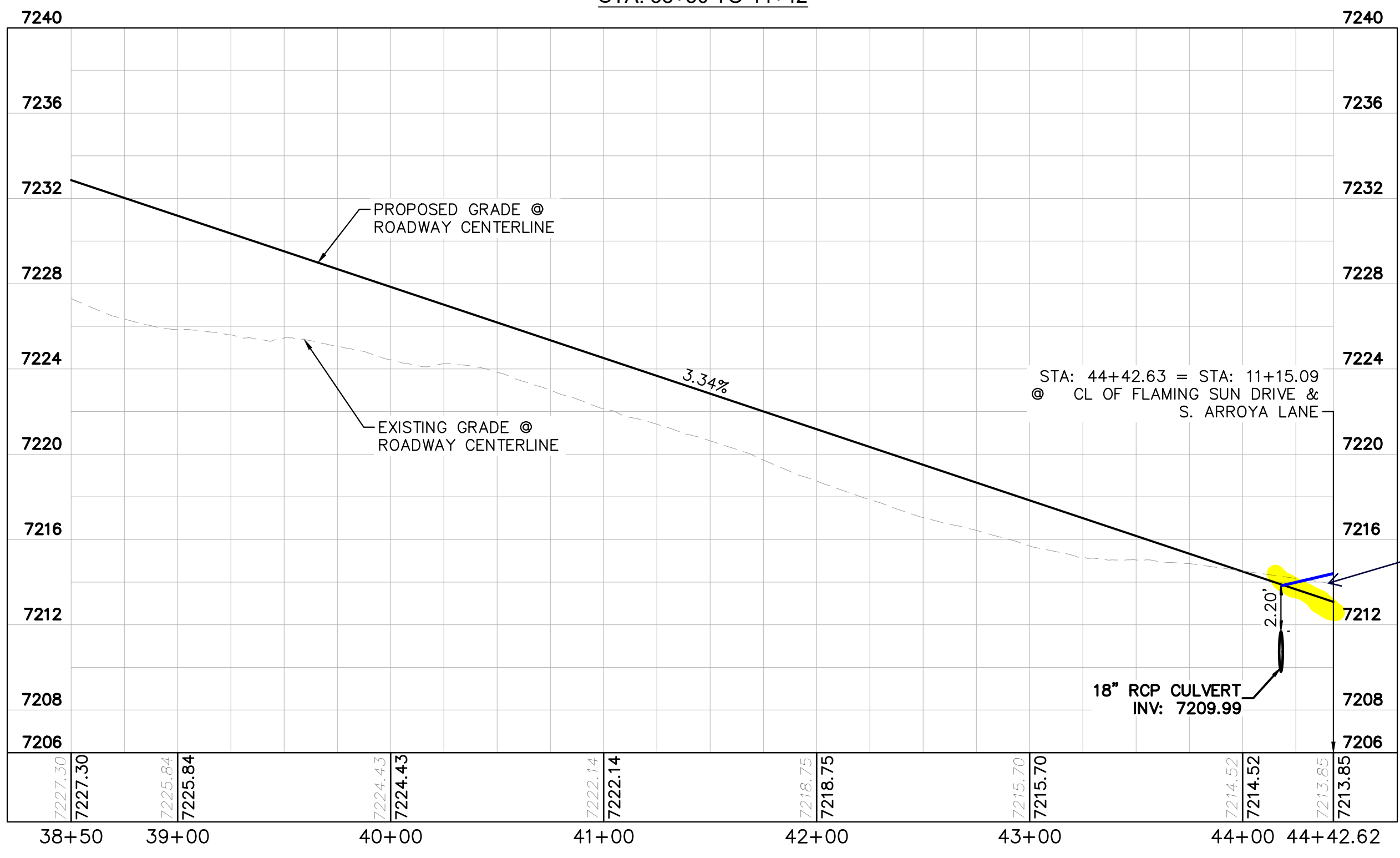
Show the TRM ditch lining on the plan or profile.

14	FLAMING SUN DRIVE	34+00	37+76	1.40% LEFT	5.5/4.1	2.5	0.04	20/PS	10.0	20%	2.11	0.51	1.81	0.04	GRASS
15	FLAMING SUN DRIVE	38+00	37+76	1.47% RIGHT	5.5/4.1	2.5	0.04	20/PS	10.0	20%	2.11	0.51	1.81	0.04	GRASS
16	FLAMING SUN DRIVE	39+00	43+10	3.48% LEFT	5.5/4.1	2.5	0.04	20/PS	10.0	20%	2.11	0.51	1.81	0.04	GRASS/TRM
17	FLAMING SUN DRIVE	43+10	44+00	3.79% RIGHT	5.5/4.1	2.5	0.04	20/PS	10.0	20%	2.11	0.51	1.81	0.04	GRASS/TRM
18	FLAMING SUN DRIVE	43+10	44+00	3.47% LEFT	5.5/4.1	2.5	0.04	20/PS	10.0	20%	2.11	0.51	1.81	0.04	GRASS/TRM
19	FLAMING SUN DRIVE	43+10	44+00	3.47% LEFT	5.5/4.1	2.5	0.04	20/PS	10.0	20%	2.11	0.51	1.81	0.04	GRASS/TRM
20	S. ARROYA LANE	44+00	44+00	1.74% LEFT	5.5/4.1	2.5	0.04	20/PS	10.0	20%	2.11	0.51	1.81	0.04	GRASS



- LEGEND**
- PROPERTY/LOT LINE
 - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT #
 - x-x-x- PROPOSED DRAINAGE EASEMENT
 - ▲ x ▲ CROSS SECTION (SEE SHEET 2)
 - 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

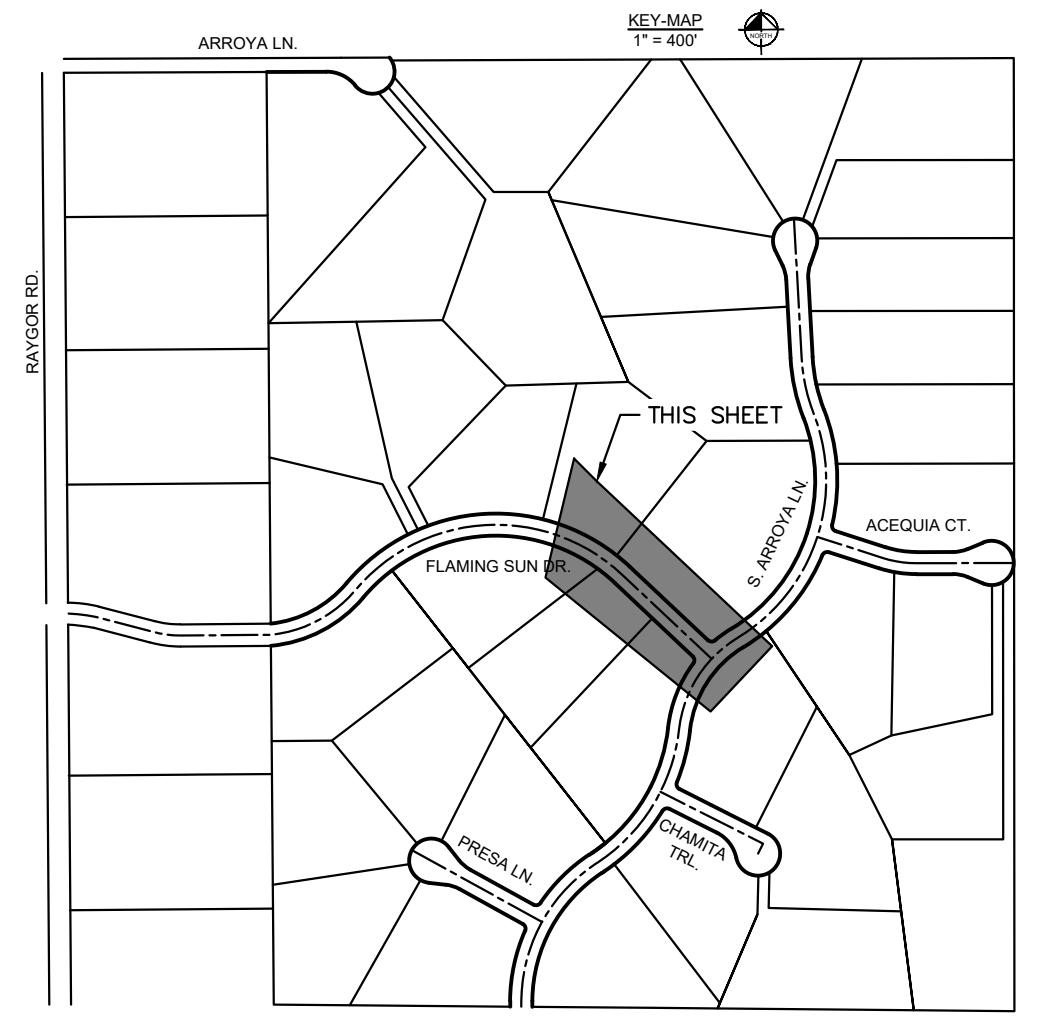
FLAMING SUN DR. PROFILE
STA: 38+50 TO 44+42



Adjust grading. S Arroya Lane should maintain the standard crown section at the intersection. The 2% cross slope of S Arroya Lane should continue 100 ft past the intersection. S Arroya Lane takes precedence. See ECM 2.3.7.C.4.

NOTES

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



NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
2022 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

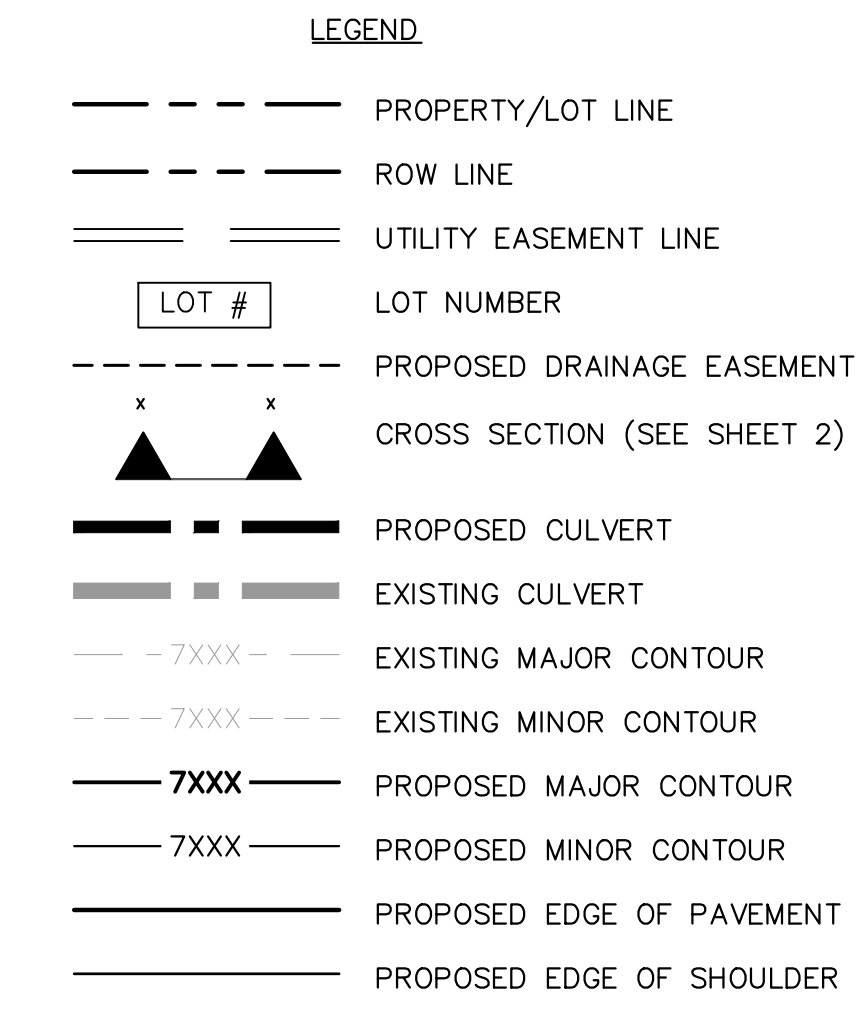
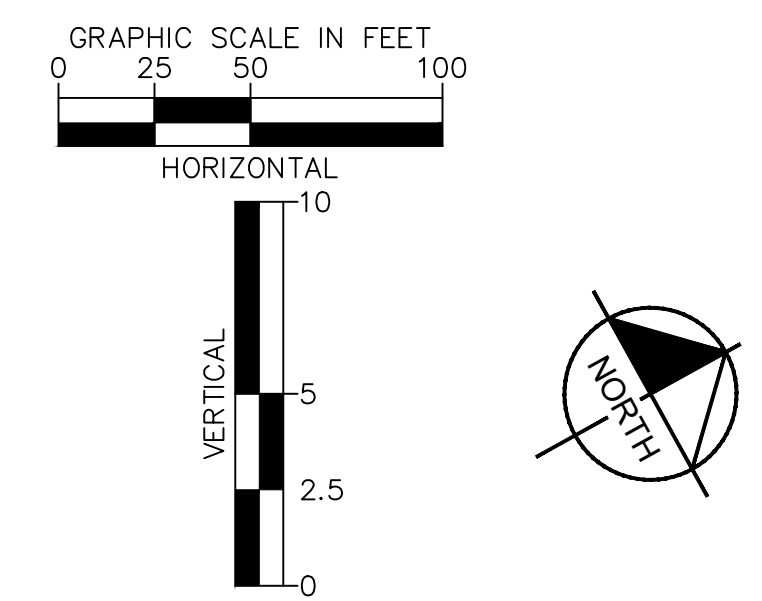
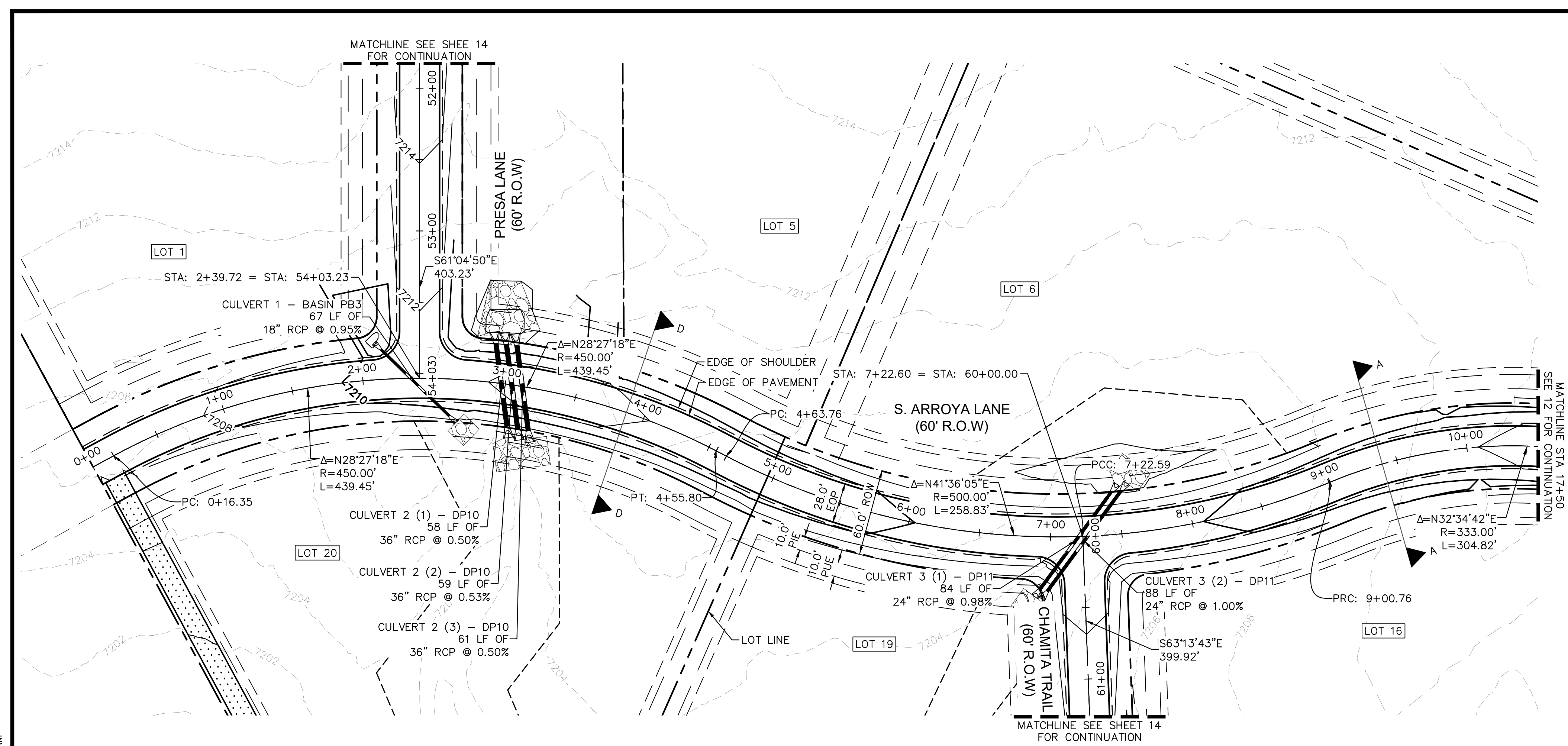
DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KRK
DATE: 12/23/2023

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
FLAMING SUN PLAN AND PROFILE

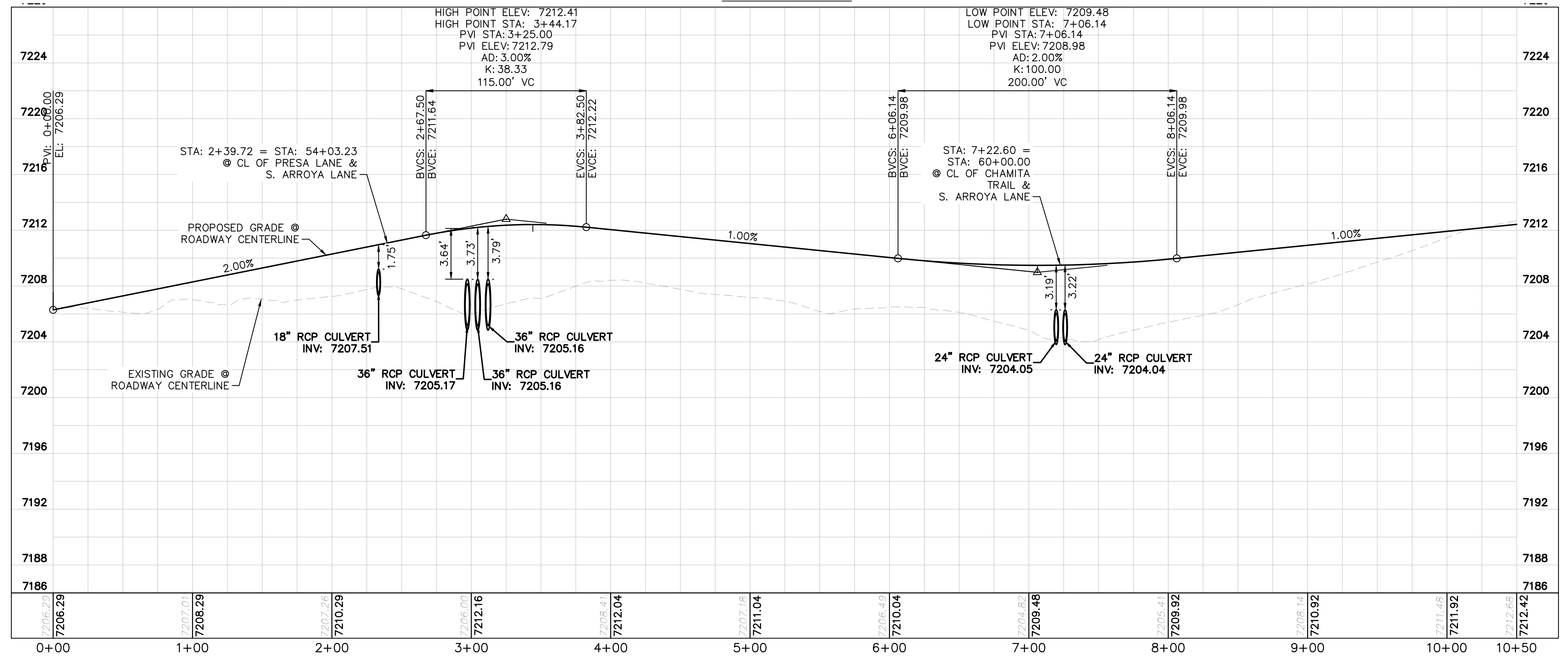
PRELIMINARY
FOR REVIEW ONLY
NOT FOR
CONSTRUCTION
Kimley»Horn
Kimley-Horn and Associates, Inc.

PROJECT NO.
196106001
SHEET
10

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CADD\PlanSheets\CADD\196288000_CD\196288000_CD_P&P_2.dwg Schmelbach, Ryan 12/23/2022 10:00 AM

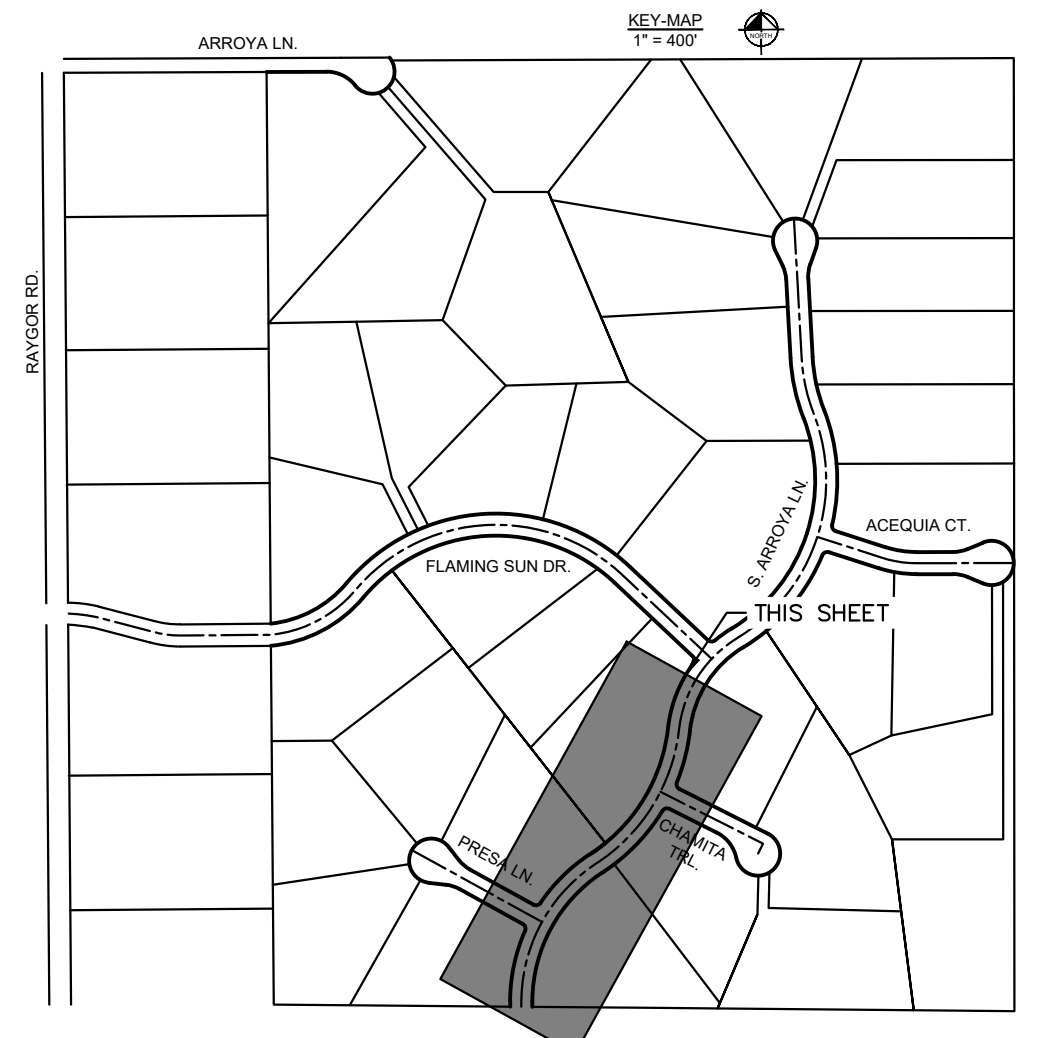


S. ARROYA LANE PROFILE
STA: 0+00 TO 10+50



NOTES

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



NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
2022 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: 12/23/2023

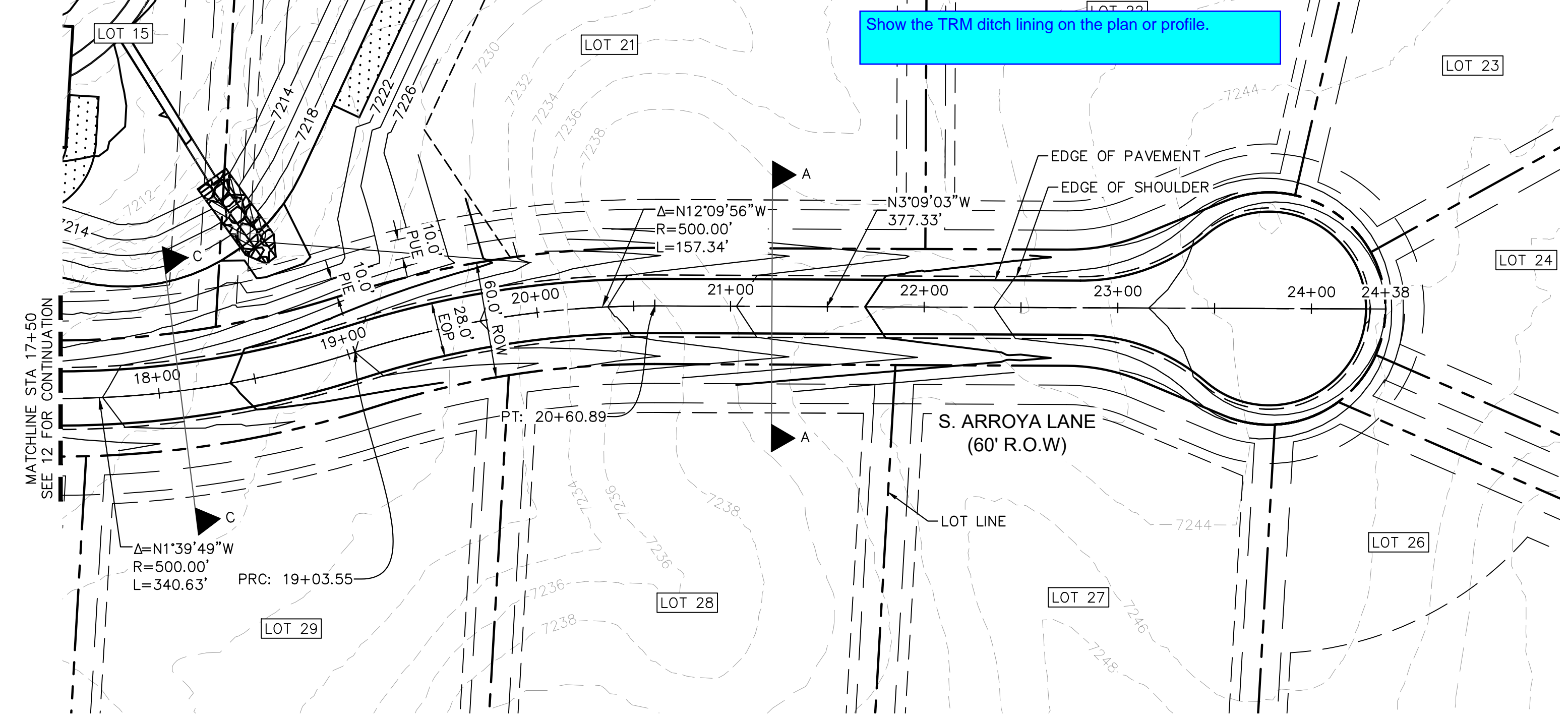
EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
S. ARROYA LN. PLAN AND PROFILE

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

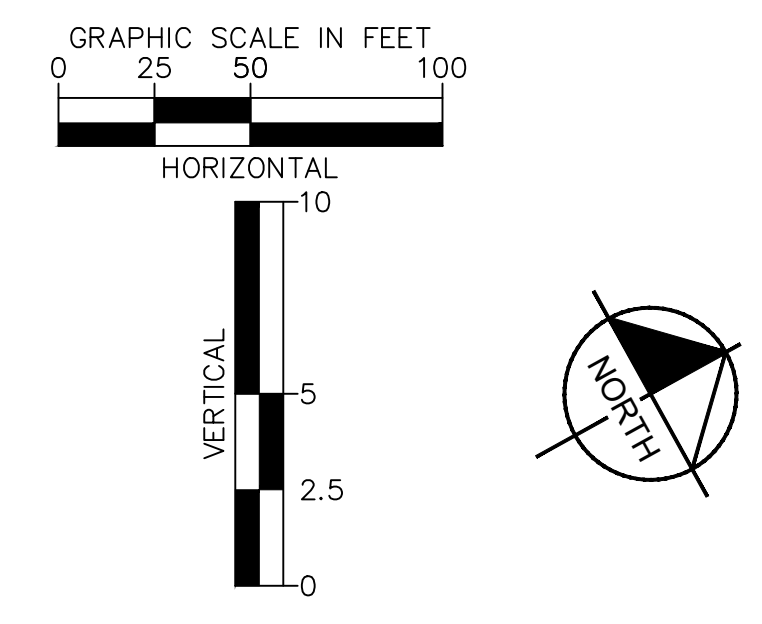
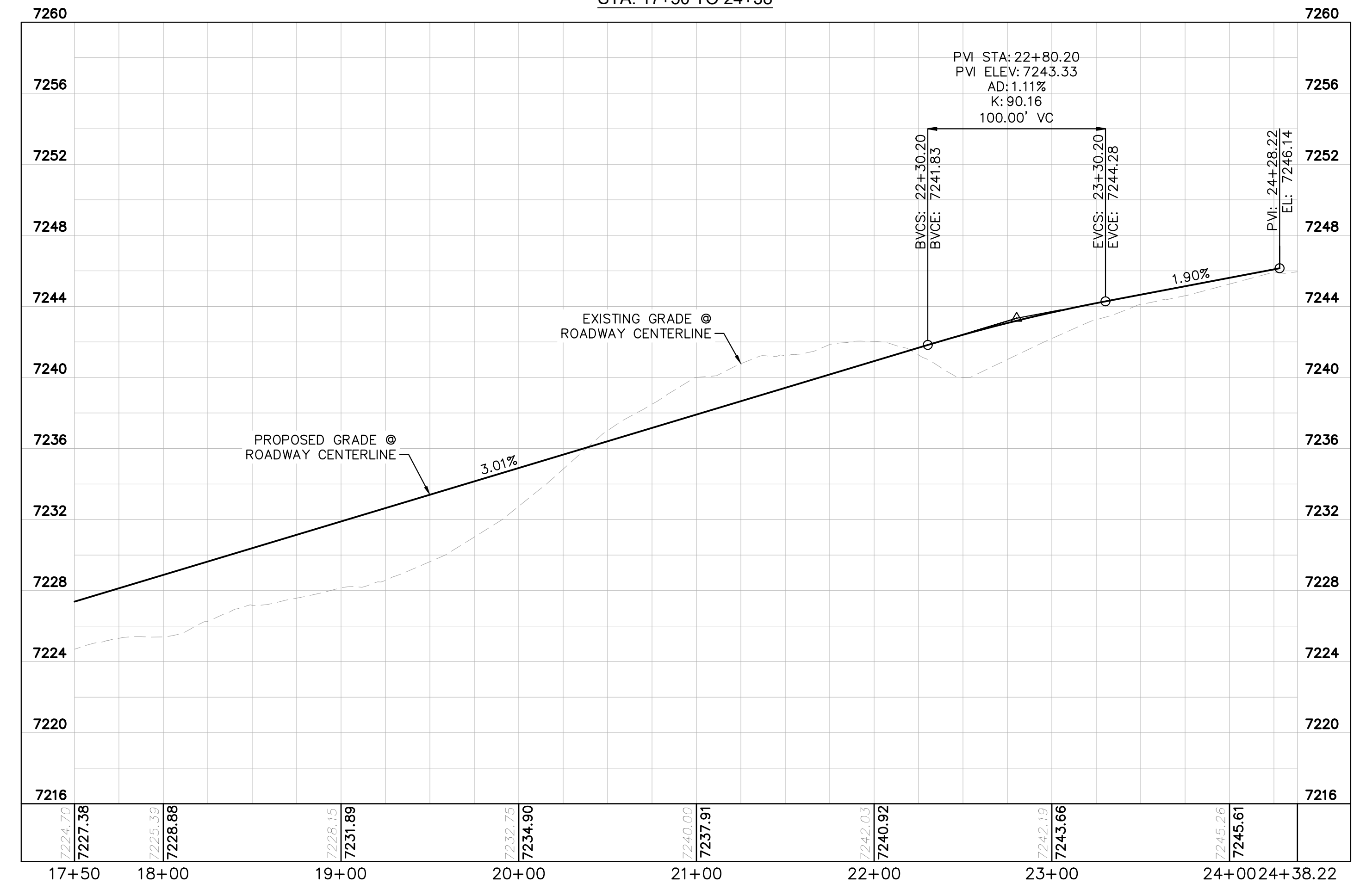
PROJECT NO.
196106001
SHEET

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDS\096288000CD_RD_P&P_2.dwg Schmelbach, Ryan 12/23/2022 10:00 AM

Ditch #	ROADWAY	FROM STA	TO STA	PROPOSED SLOPE (%)	SIDE	SIDE SLOPE (L/R)	CHANNEL DEPTH (FT)	FRICTION FACTOR	BASIN	Q100 FLOW (CFS)	DITCH FLOW % OF BASIN	DITCH FLOW (CFS)	Q100 DEPTH (FT)	Q100 VELOCITY (FT/S)	Froude No. (Fr)	DITCH LINING
1	NORTHWEST CUL-DE-SAC	86+30	89+59	1.25%	LEFT	4:1/4:1	2.5	0.04	5%OB5	107.1	5%	5.4	0.8	2.2	0.6	GRASS
2	NORTHWEST CUL-DE-SAC	86+30	89+59	1.02%	RIGHT	4:1/4:1	2.5	0.04	1%OB5	107.1	1%	1.1	0.4	1.4	0.5	GRASS
3	S. ARROYA LANE	20+00	24+28	3.28%	RIGHT	4:1/4:1	2.5	0.04	12%PB11	29.8	12%	3.6	0.6	2.8	0.9	GRASS/TRM
4	S. ARROYA LANE	20+00	24+28	2.88%	LEFT	4:1/4:1	2.5	0.04	5%PB10	20.4	5%	6.1	0.7	3.1	0.9	GRASS/TRM
5	S. ARROYA LANE	16+50	20+00	3.81%	RIGHT	4:1/4:1	2.5	0.04	25%PB11	29.8	25%	7.5	0.7	3.6	1.1	GRASS/TRM
6	S. ARROYA LANE	15+88	16+50	4.42%	LEFT	4:1/4:1	2.5	0.04	5%PB12	0.9	100%	0.9	0.3	2.2	1.0	GRASS/TRM
7	S. ARROYA LANE	15+88	16+50	2.69%	RIGHT	4:1/4:1	2.5	0.04	30%PB11	29.8	30%	8.9	0.8	3.3	0.9	GRASS/TRM
8	ACEQUIA COURT (RIGHT CUL-DE-SAC)	70+30.50	71+00	1.56%	LEFT	4:1/4:1	2.5	0.04	30%PB11	29.8	30%	8.9	1.0	2.4	0.6	GRASS
9	ACEQUIA COURT (RIGHT CUL-DE-SAC)	71+00	71+44	1.73%	LEFT	4:1/4:1	2.5	0.04	30%PB11	29.8	30%	8.9	1.1	1.4	0.6	GRASS



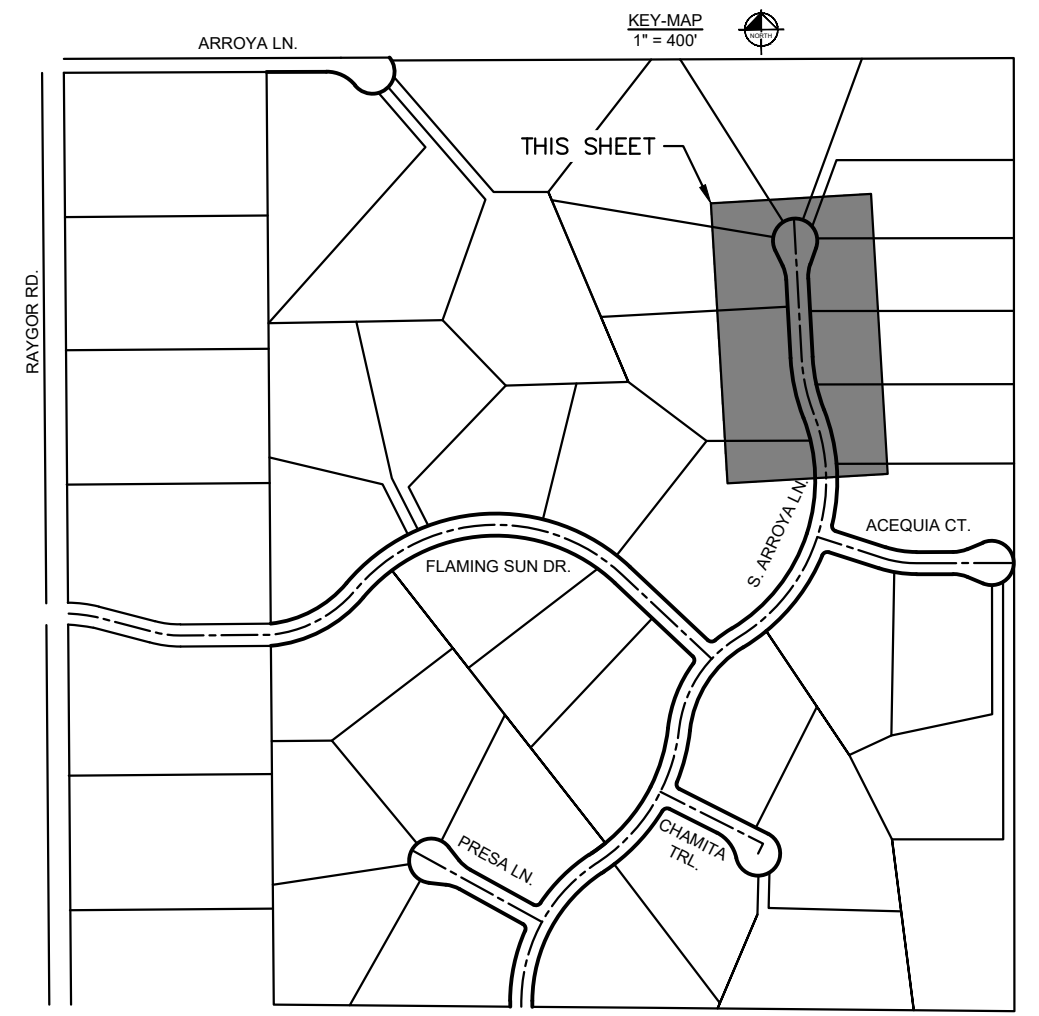
S. ARROYA LANE PROFILE
STA: 17+50 TO 24+38



- LEGEND**
- PROPERTY/LOT LINE
 - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT #
 - x-x- PROPOSED DRAINAGE EASEMENT
 - ▲▲ CROSS SECTION (SEE SHEET 2)
 - 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

NOTES

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



NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
 2022 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

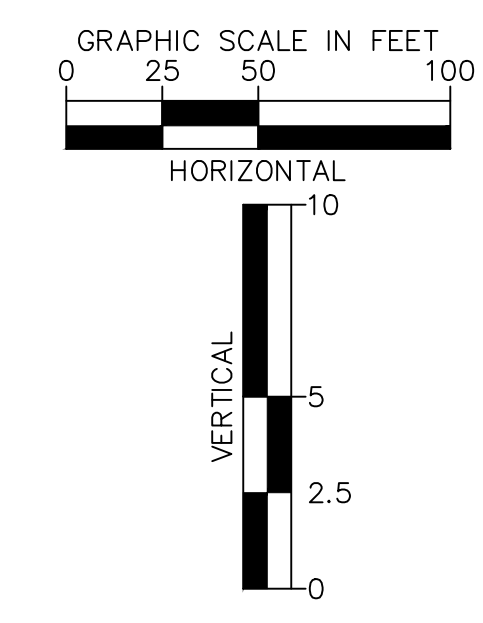
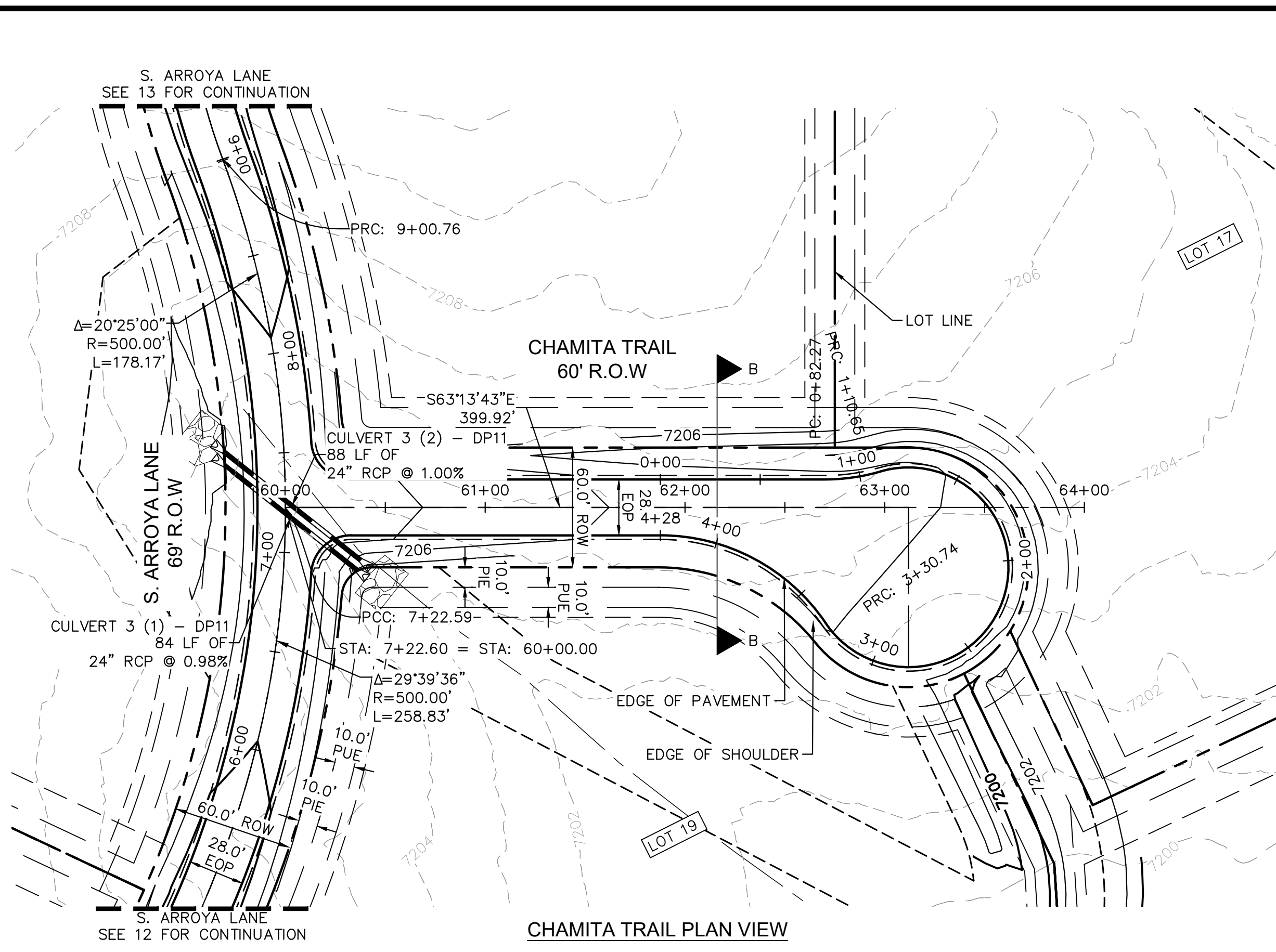
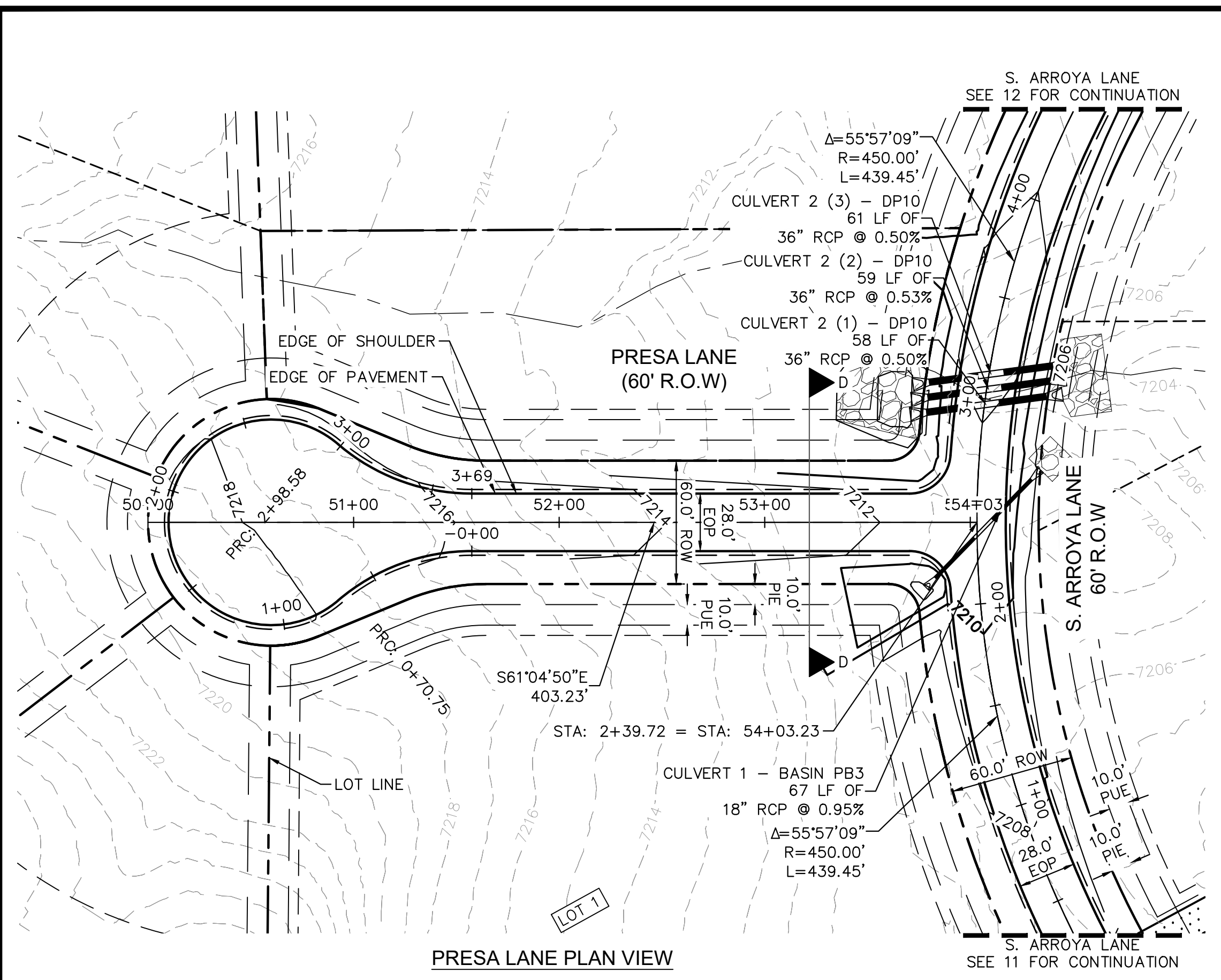
DESIGNED BY: MJK
 DRAWN BY: MJK
 CHECKED BY: KKK
 DATE: 12/23/2023

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

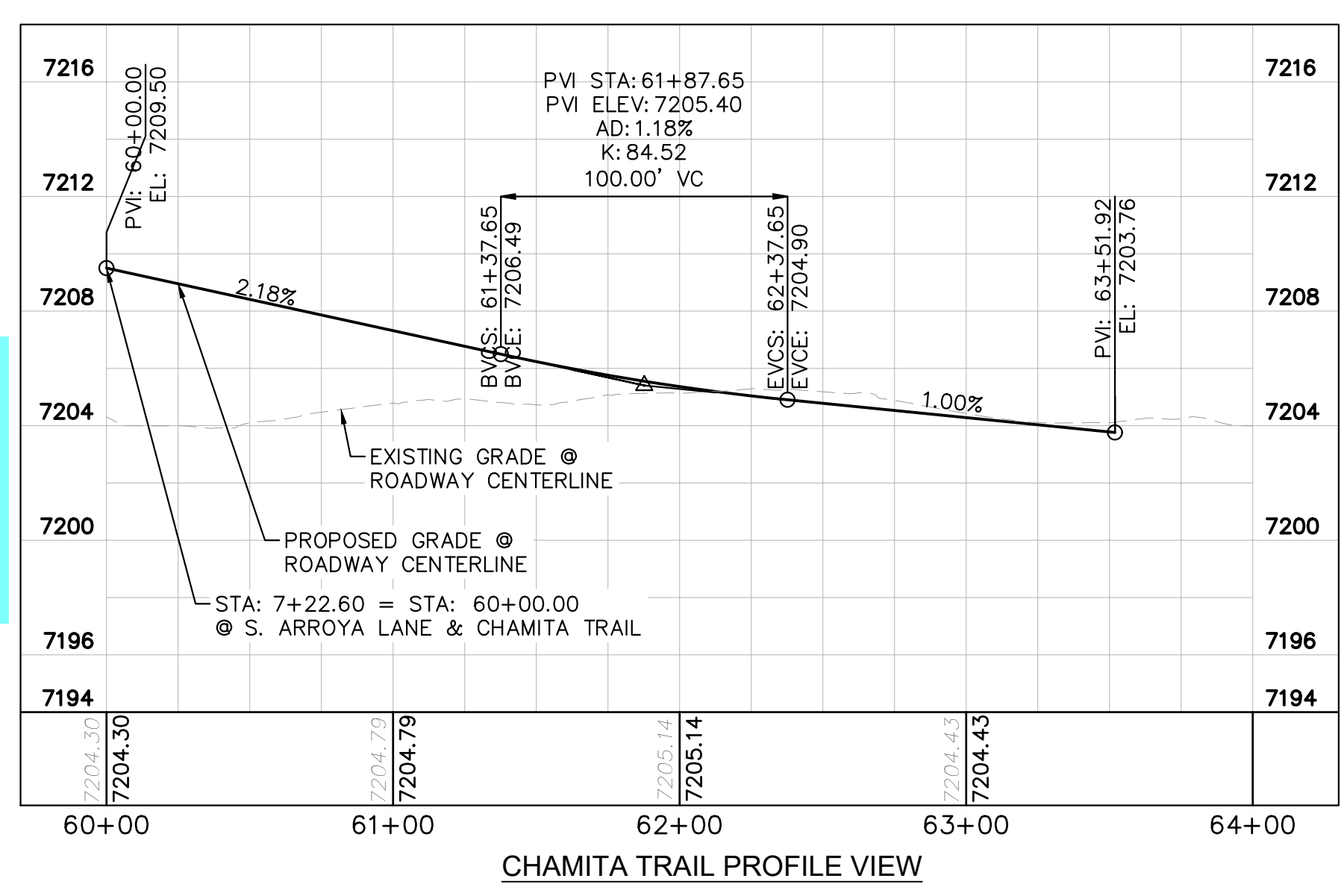
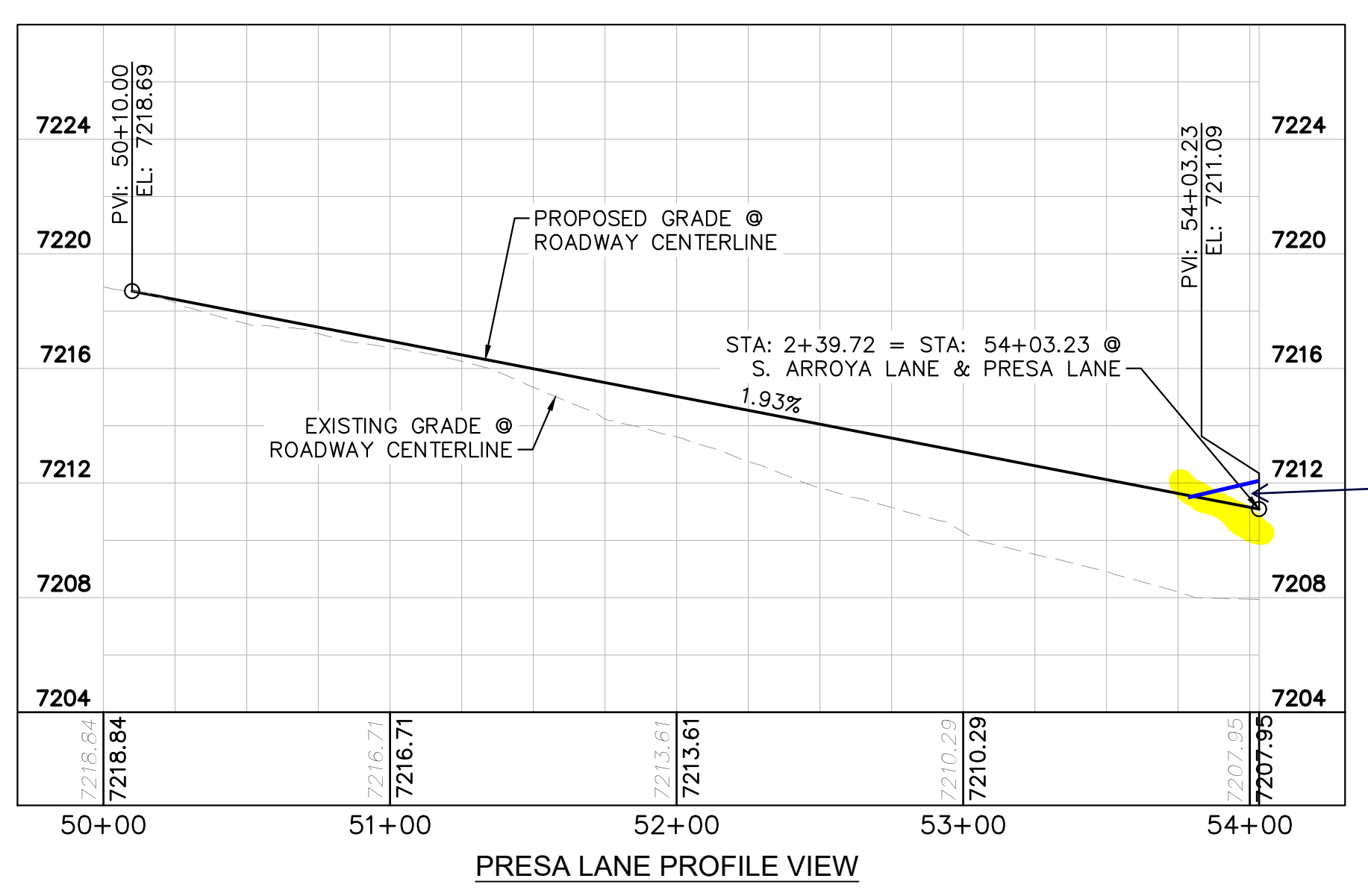
PRELIMINARY
 FOR REVIEW ONLY
 NOT FOR
 CONSTRUCTION
Kimley»Horn
 Kimley-Horn and Associates, Inc.

PROJECT NO.
196106001
 SHEET
13

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDA\096288000CD_P&P_3_CULDESACS.dwg Schmelbach, Ryan 12/23/2022 10:01 AM

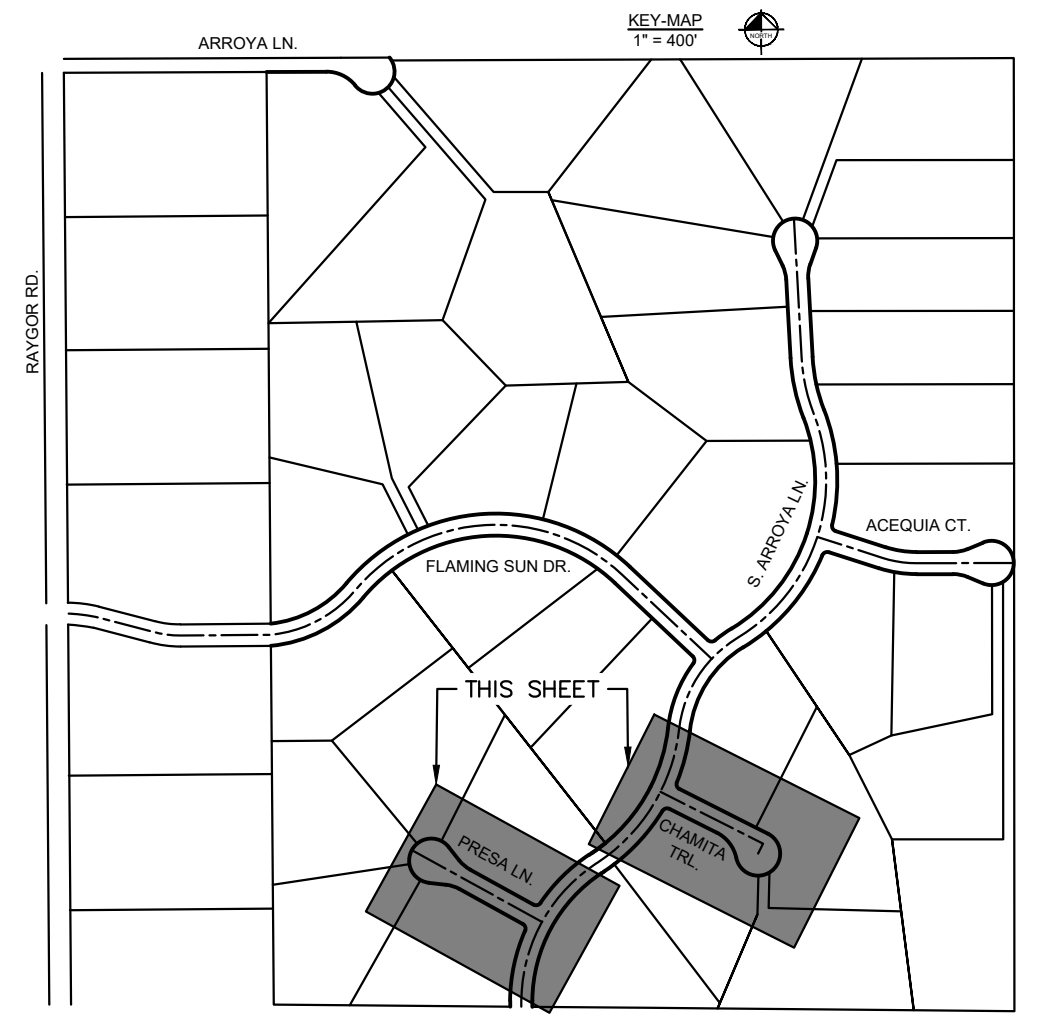
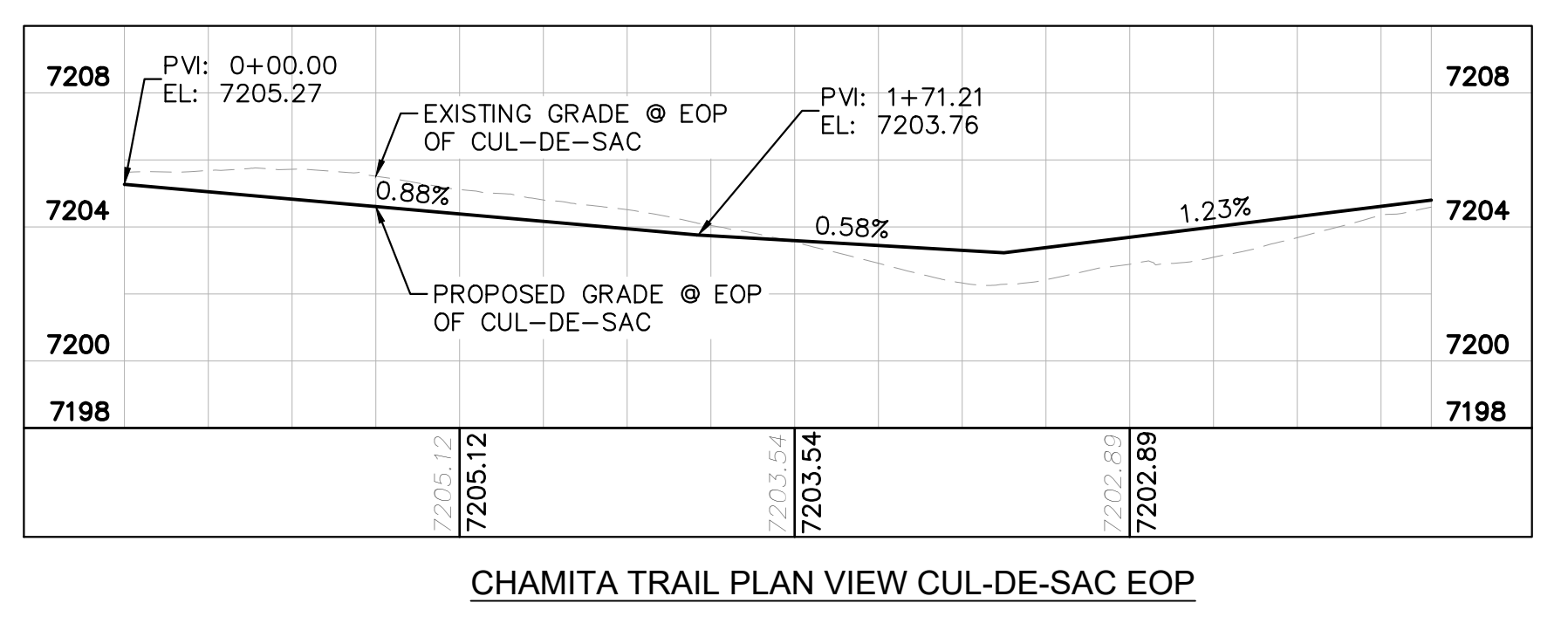
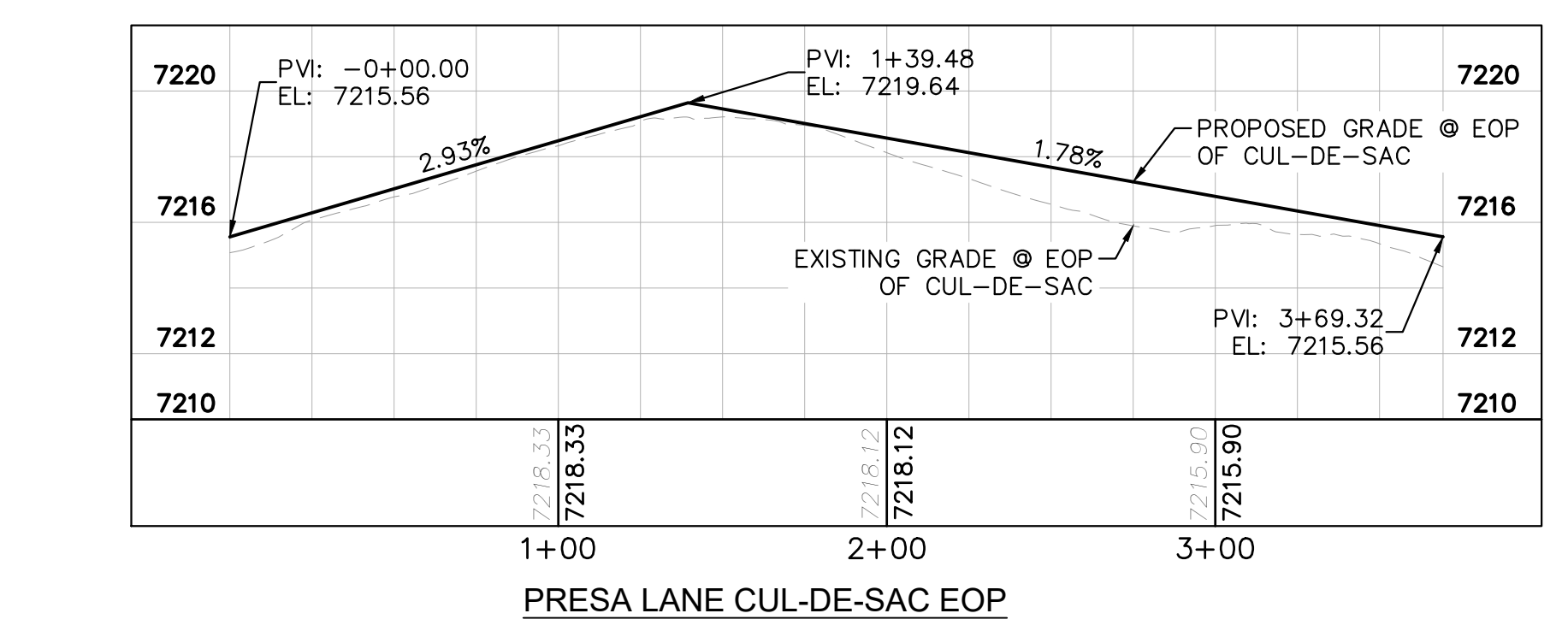


- LEGEND**
- PROPERTY/LOT LINE
 - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT #
 - PROPOSED DRAINAGE EASEMENT
 - X X
 - PROPOSED CULVERT
 - EXISTING CULVERT
 - 7XXX- EXISTING MAJOR CONTOUR
 - 7XXX- EXISTING MINOR CONTOUR
 - 7XXX PROPOSED MAJOR CONTOUR
 - 7XXX PROPOSED MINOR CONTOUR
 - PROPOSED EDGE OF PAVEMENT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



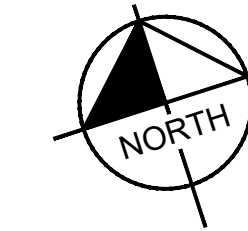
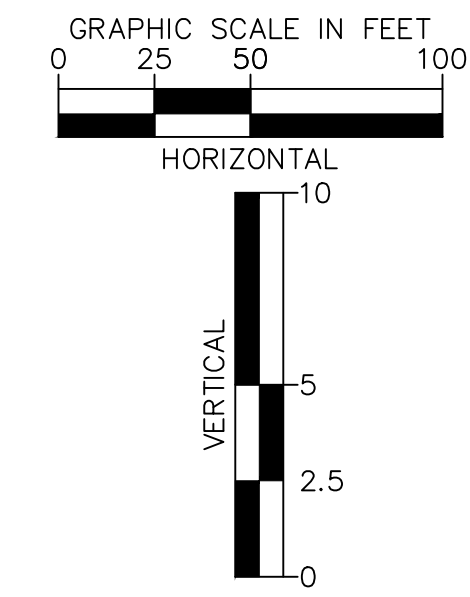
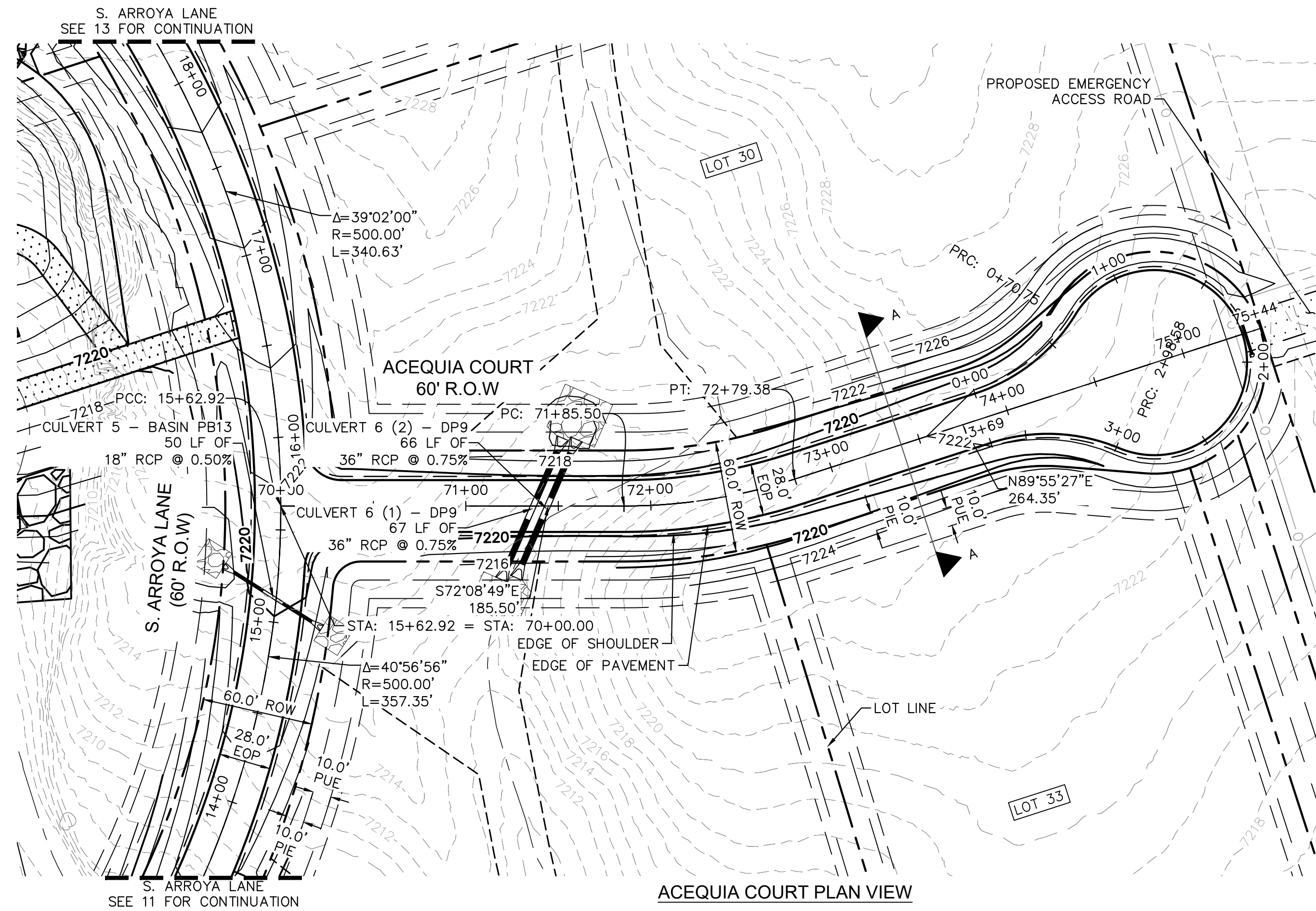
NOTES

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



<p>Kimley-Horn 2022 KIMLEY-HORN AND ASSOCIATES, INC. 2 North Nevada Avenue Suite 900 Colorado Springs, Colorado 80903 (719) 453-0180</p>	<p>DESIGNED BY: MJK DRAWN BY: MJK CHECKED BY: KRK DATE: 12/23/2023</p>
<p>EAGLEVIEW EL PASO COUNTY, COLORADO CONSTRUCTION DOCUMENTS PRESA LN. & CHAMITA TRAIL PLAN AND PROFILE</p>	<p>PRELIMINARY FOR REVIEW ONLY NOT FOR CONSTRUCTION</p> <p>PROJECT NO. 196106001 SHEET 14</p>
<p>NO. REVISION BY DATE APPR.</p>	

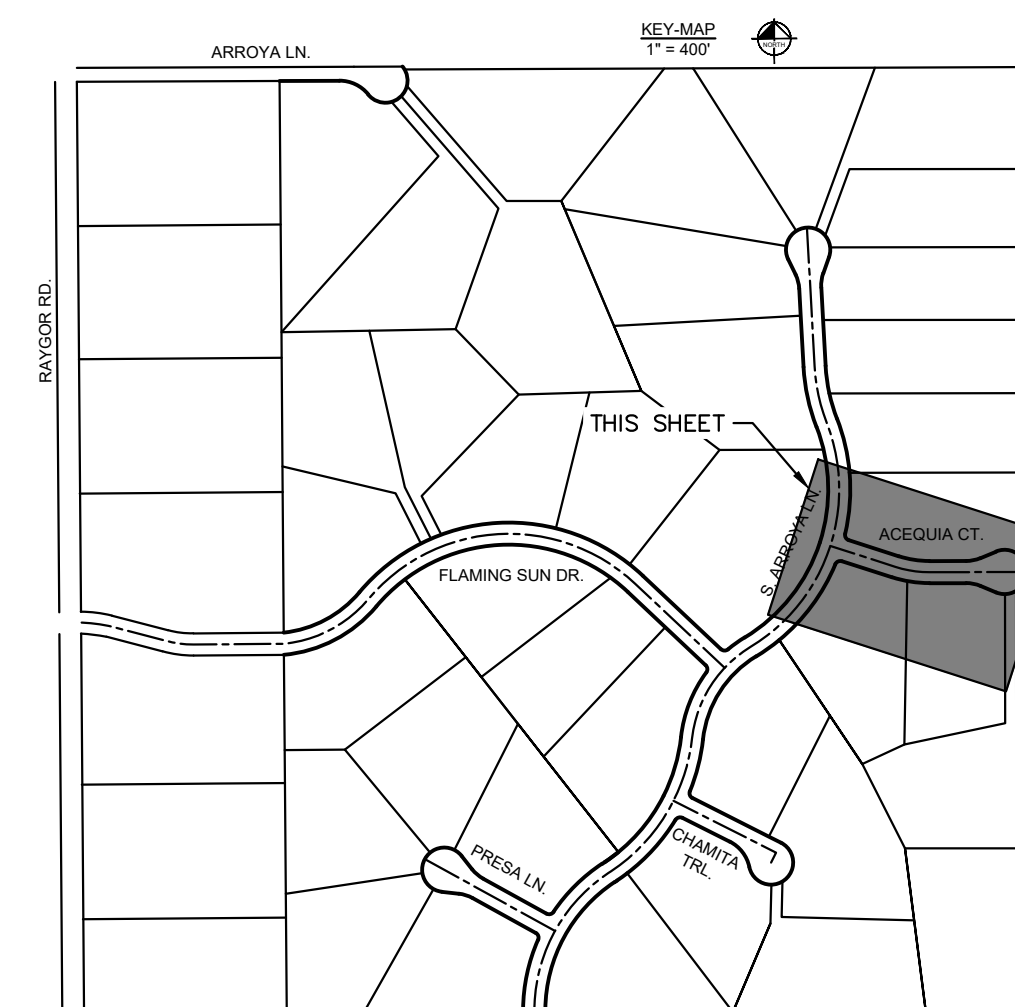
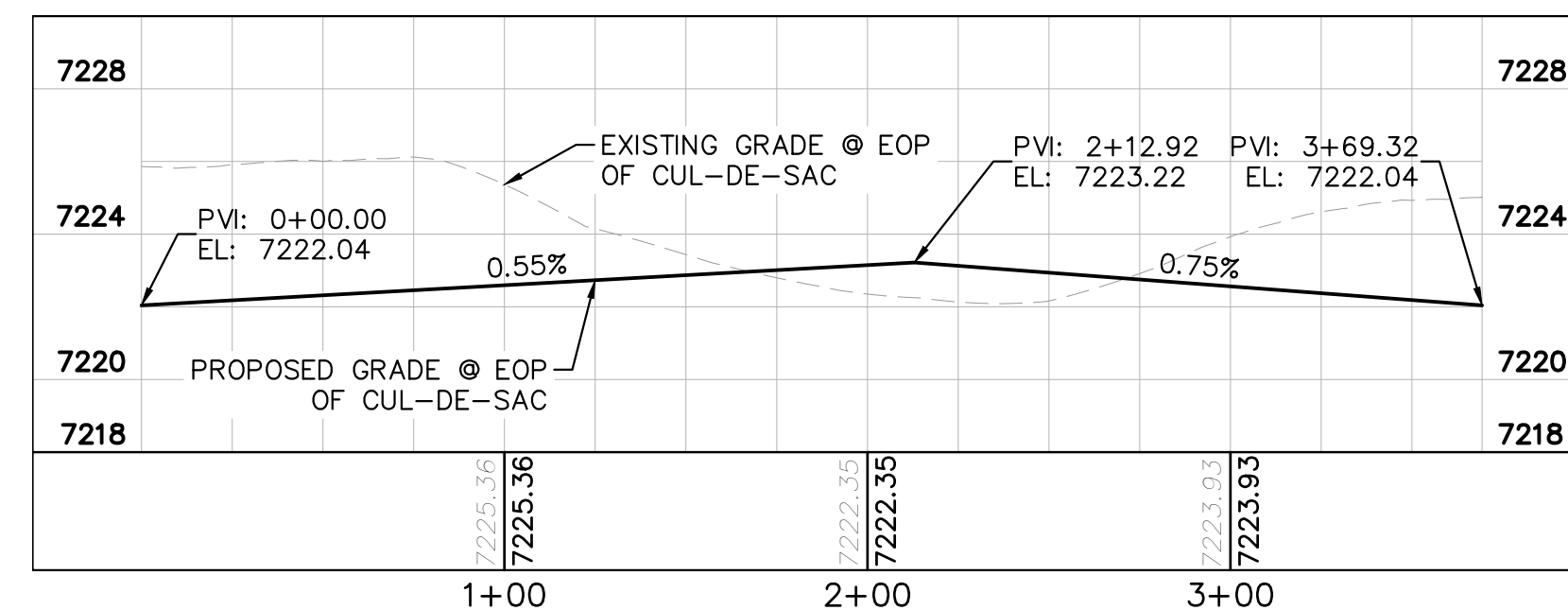
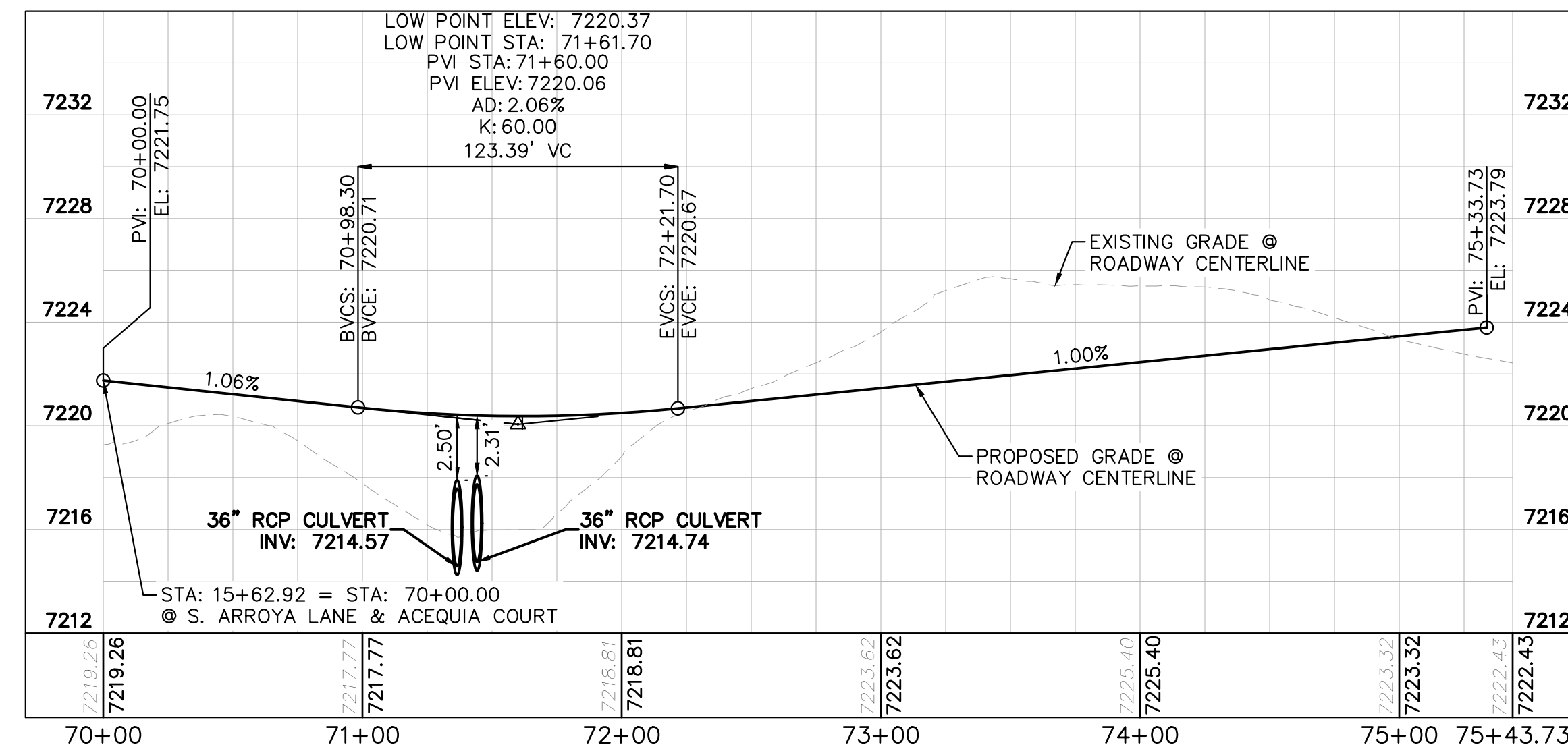
K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDA\09628800000_RD_P&P_3_CULDESACS.dwg Schmelbach, Ryan 12/23/2022 10:01 AM



- LEGEND**
- PROPERTY/LOT LINE
 - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT # LOT NUMBER
 - x-x- PROPOSED DRAINAGE EASEMENT
 - ▲▲ CROSS SECTION (SEE SHEET 2)
 - 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

NOTES

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



NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
 2022 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: 12/23/2023

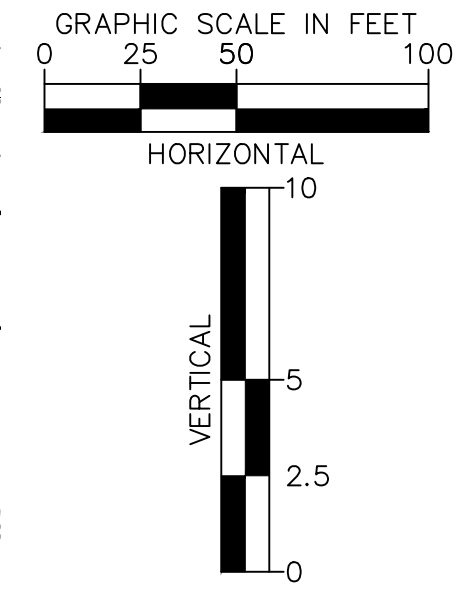
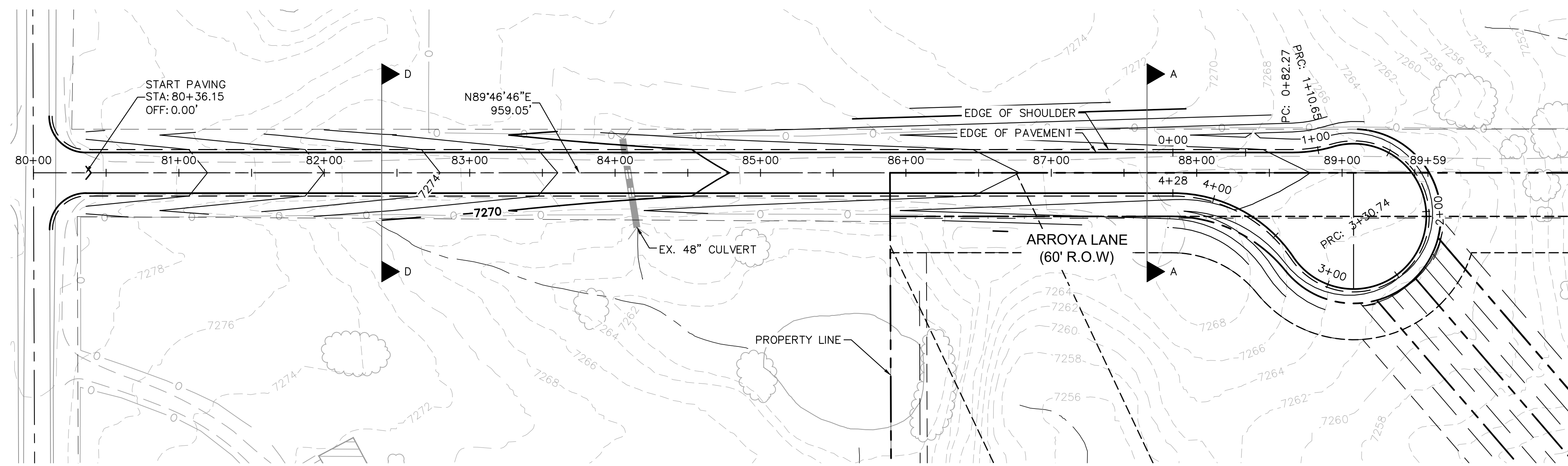
EAGLEVIEW
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
 ACEQUIA CT. PLAN AND PROFILE

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

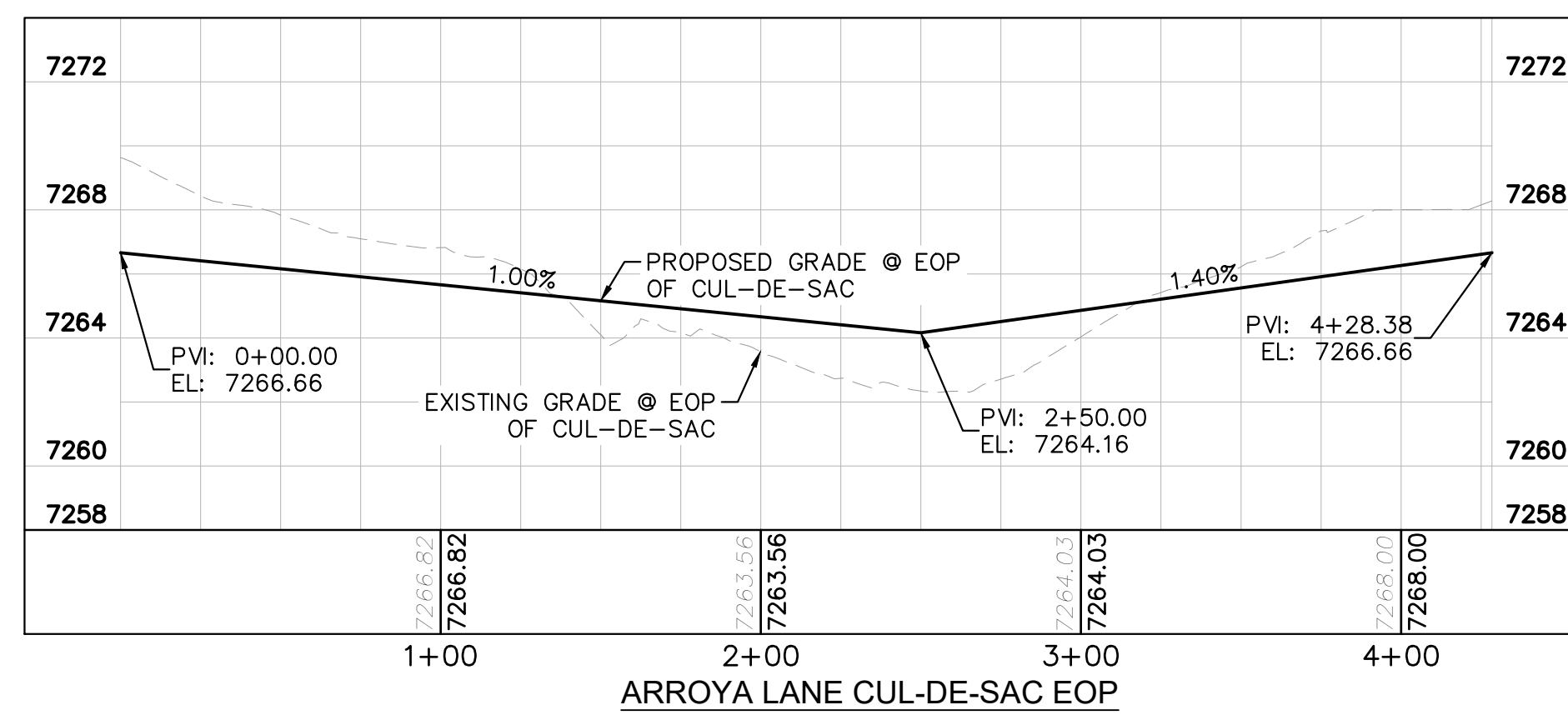
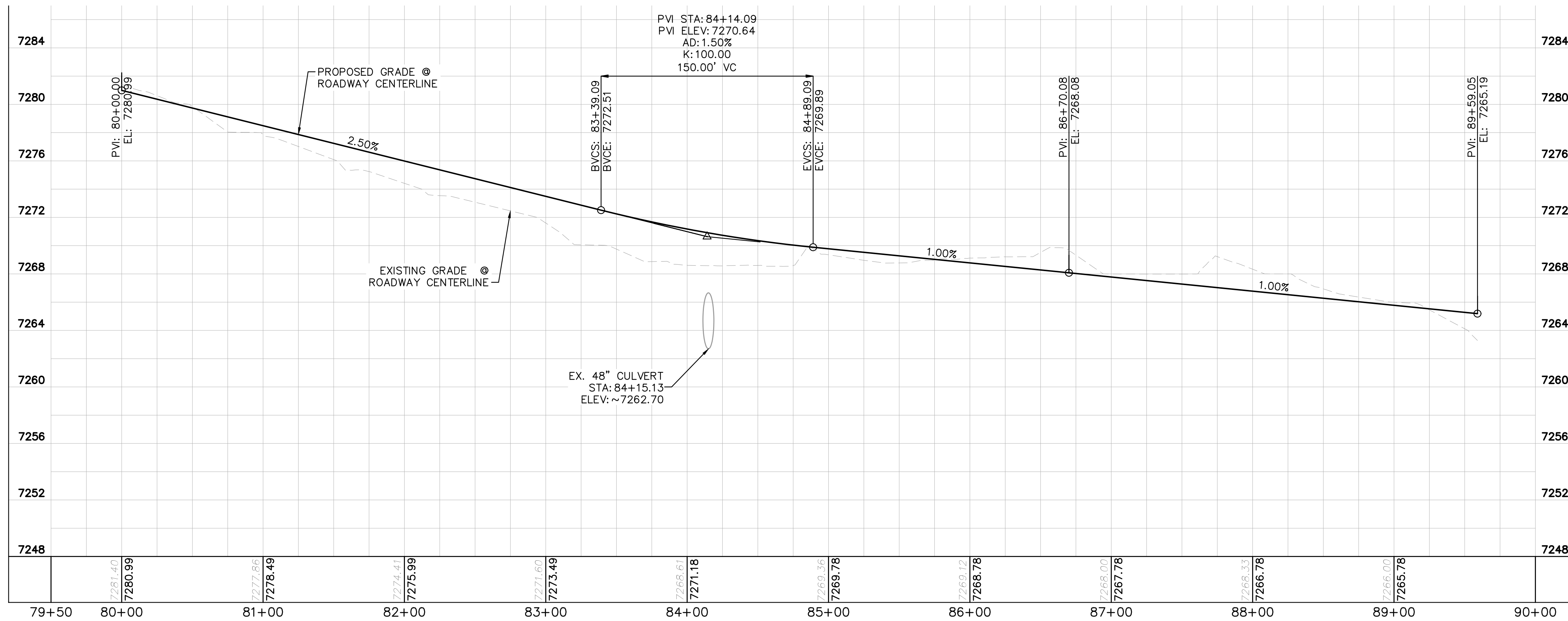
PROJECT NO.
 196106001

SHEET
 15

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDA\096288000CD_RD_P&P_3_CULDESACS.dwg Schmelbach, Ryan 12/23/2022 10:01 AM

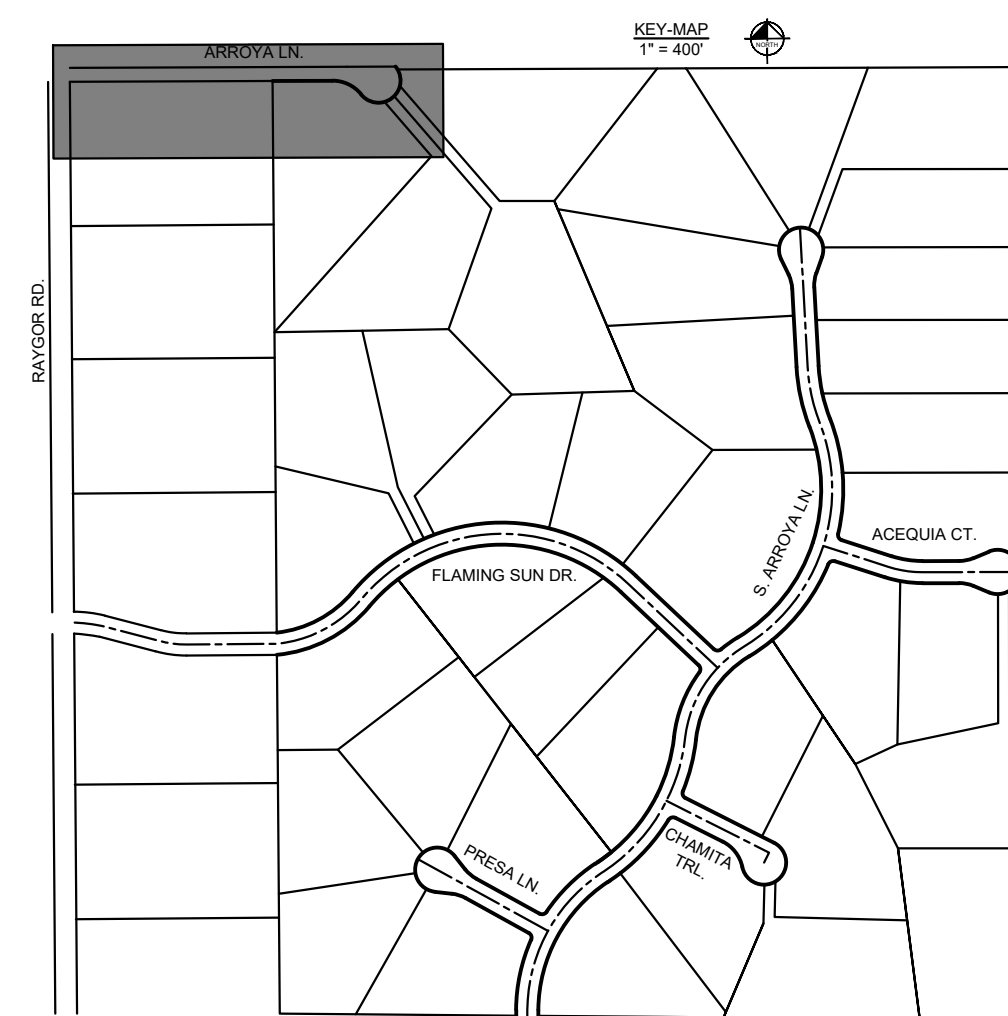


- LEGEND
- PROPERTY/LOT LINE
 - - - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT # LOT NUMBER
 - x x - PROPOSED DRAINAGE EASEMENT
 - x x - CROSS SECTION (SEE SHEET 2)
 - PROPOSED CULVERT
 - EXISTING CULVERT
 - 7XXX - EXISTING MAJOR CONTOUR
 - 7XXX - EXISTING MINOR CONTOUR
 - 7XXX - PROPOSED MAJOR CONTOUR
 - 7XXX - PROPOSED MINOR CONTOUR
 - PROPOSED EDGE OF PAVEMENT
 - PROPOSED EDGE OF SHOULDER



NOTES

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



NO.	REVISION	BY	DATE	APPR.

Kimley»Horn

2022 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: 12/23/2023

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

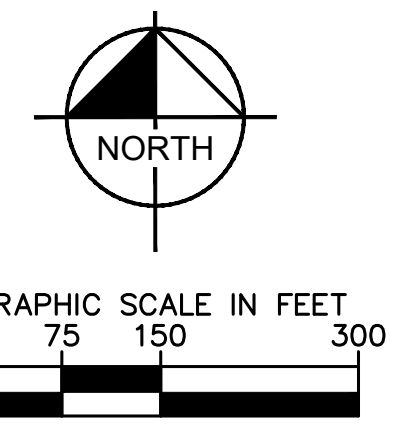
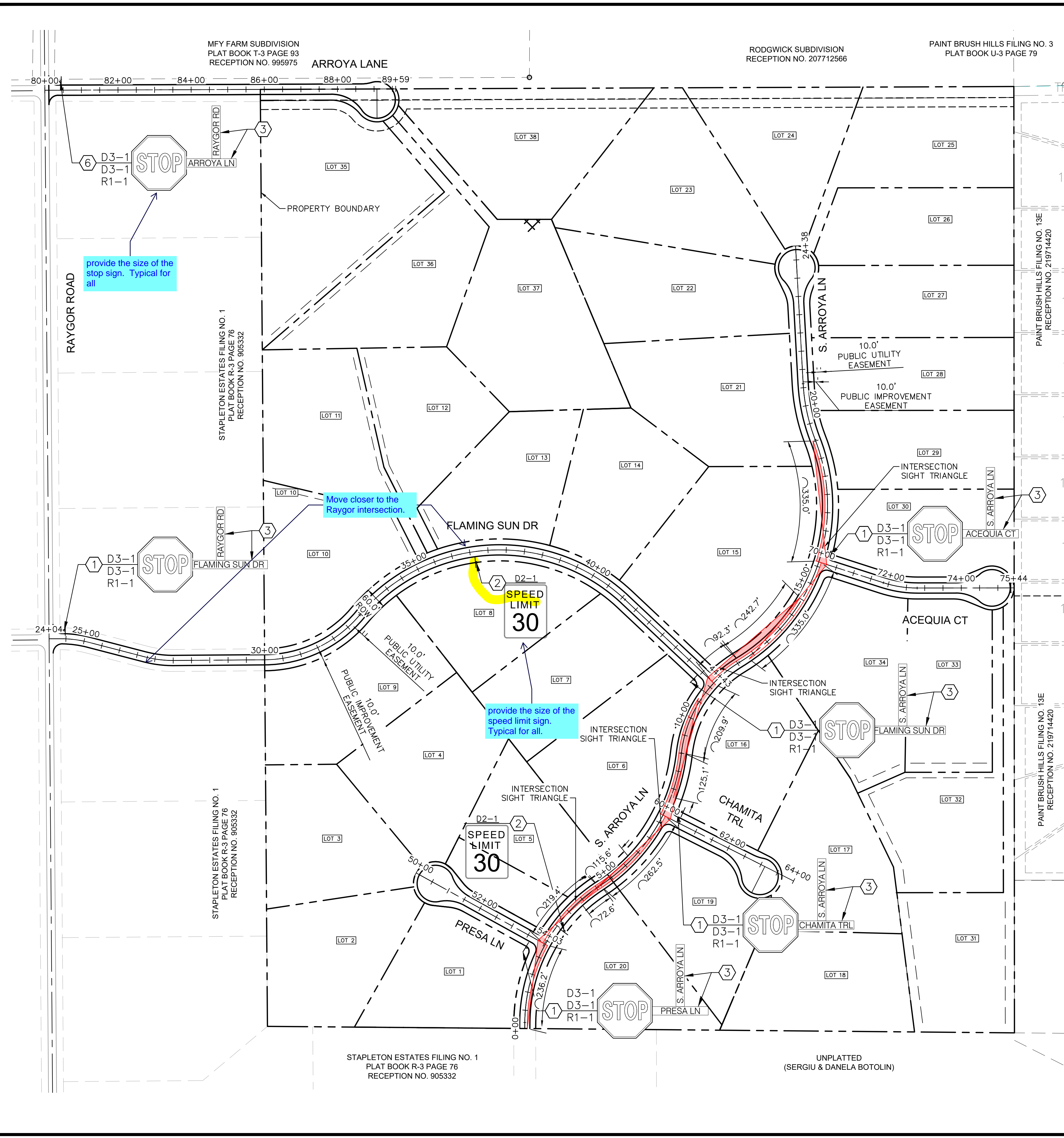
PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION

Kimley»Horn
Kimley-Horn and Associates, Inc.

PROJECT NO.
196106001

SHEET
16

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDs_SS.dwg Schnelbach, Ryan 12/23/2022 10:01 AM



LEGEND

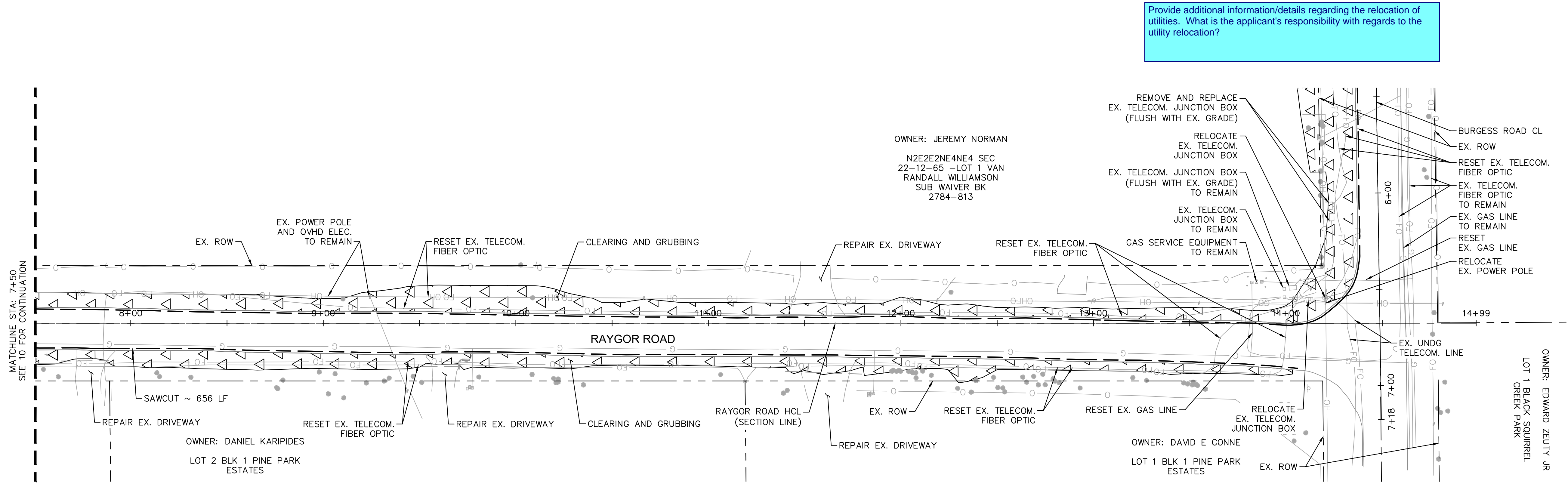
	PROPERTY LINE
	PROPOSED EASEMENT
	SIGHT TRIANGLE
	PROPOSED ROADWAY SIGN
	PROPOSED R1-1 SIGN
	PROPOSED D2-1 SIGN
	PROPOSED D3-1 SIGN

SIGNING AND STRIPING NOTES

- ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- 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.
- ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT.
- 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.
- STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
- ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
- 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".
- ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
- 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.
- ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
- 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.
- 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.
- THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
- THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS (DPW) PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

<p>Kimley»Horn 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>PRELIMINARY FOR REVIEW ONLY NOT FOR CONSTRUCTION</p>
<p>PROJECT NO. 196288000</p>	<p>DATE APPR</p>
<p>SHEET 17</p>	<p>REVISION BY DATE</p>

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDA\CD_OFFSITE_REM-RESET.dwg Schnellbach, Ryan 12/23/2022 10:02 AM



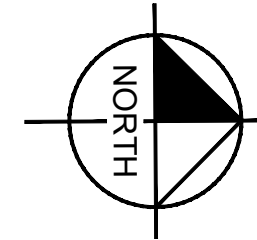
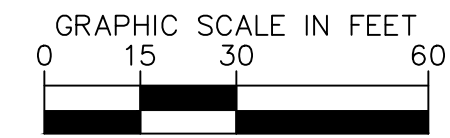
Provide additional information/details regarding the relocation of utilities. What is the applicant's responsibility with regards to the utility relocation?

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

OWNER: DANIEL KARIPIDES
 LOT 2 BLK 1 PINE PARK
 ESTATES

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

OWNER: EDWARD ZELUTY JR
 LOT 1 BLACK SQUIRREL
 CREEK PARK



LEGEND

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



NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
 2022 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

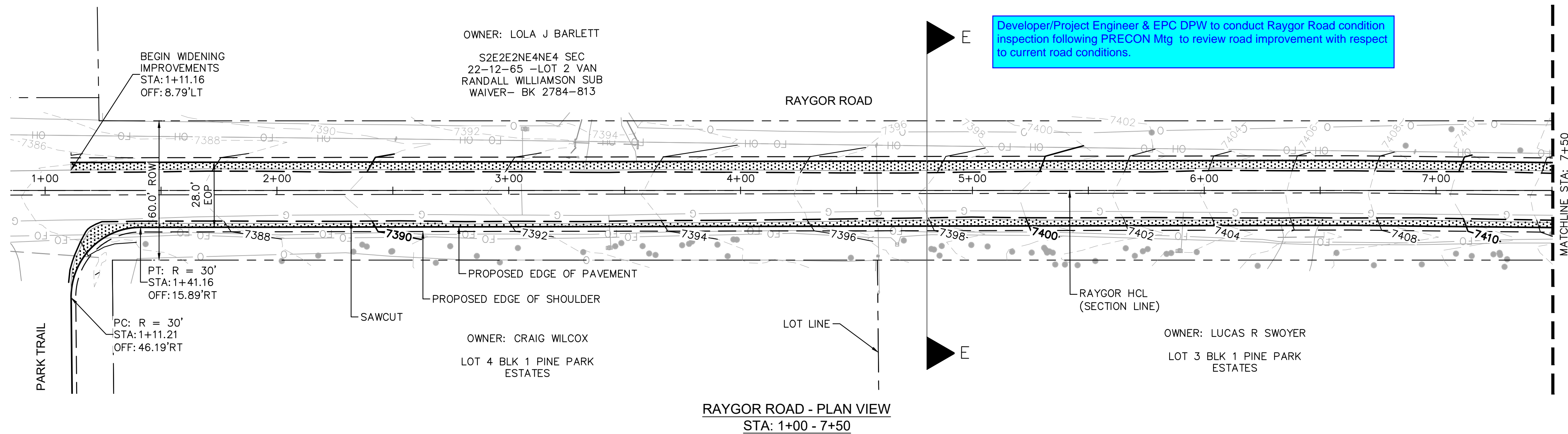
DESIGNED BY: MJK
 DRAWN BY: MJK
 CHECKED BY: KRK
 DATE: 12/23/2023

EAGLEVIEW
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
 RAYGOR REMOVE AND RESET PLAN

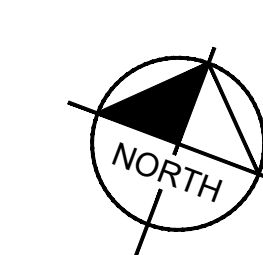
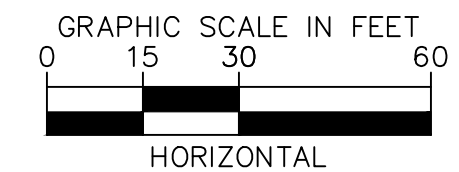
PRELIMINARY
 FOR REVIEW ONLY
 NOT FOR
 CONSTRUCTION
Kimley»Horn
 Kimley-Horn and Associates, Inc.

PROJECT NO.
 196106001
 SHEET
 19

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDs\096288000CD_RD_P&P-Offsite.dwg Schmelbach, Ryan 12/23/2022 10:02 AM



RAYGOR ROAD - PLAN VIEW
STA: 1+00 - 7+50



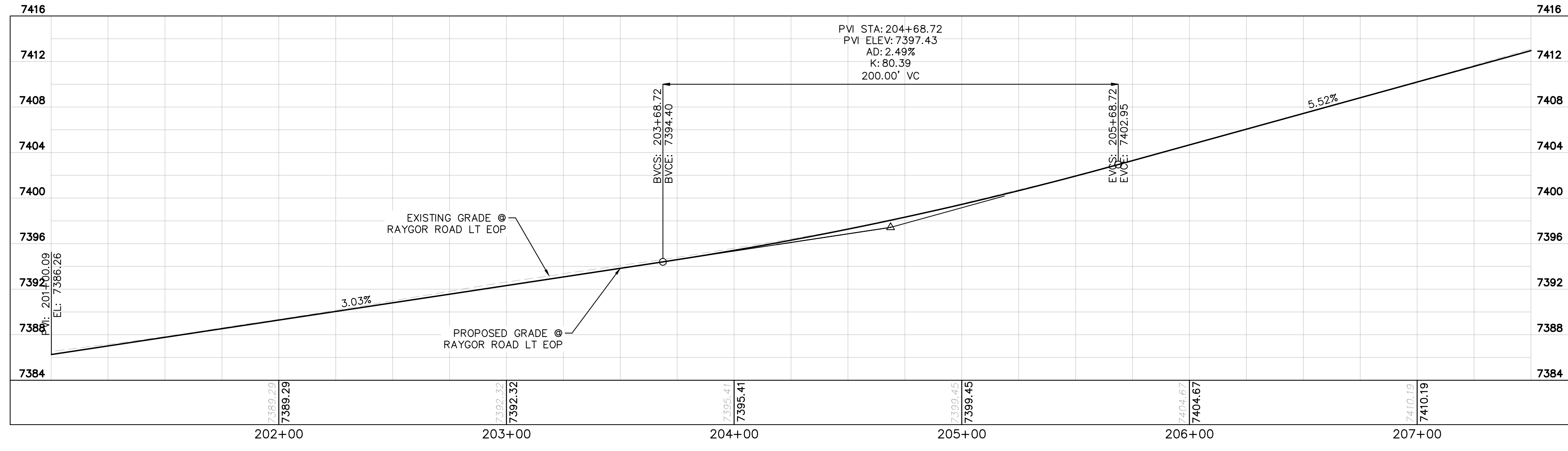
LEGEND

- PROPERTY/LOT LINE
- ROW LINE
- UTILITY EASEMENT LINE
- LOT # LOT NUMBER
- - - - - PROPOSED DRAINAGE EASEMENT
- X X CROSS SECTION (SEE SHEET 2)
- - - - - PROPOSED CULVERT
- - - - - EXISTING CULVERT
- - - - - EXISTING MAJOR CONTOUR
- - - - - EXISTING MINOR CONTOUR
- - - - - PROPOSED MAJOR CONTOUR
- - - - - PROPOSED MINOR CONTOUR
- - - - - SAWCUT
- - - - - PROPOSED EDGE OF PAVEMENT
- - - - - PROPOSED EDGE OF SHOULDER
- ▨ PROPOSED ASPHALT PAVEMENT

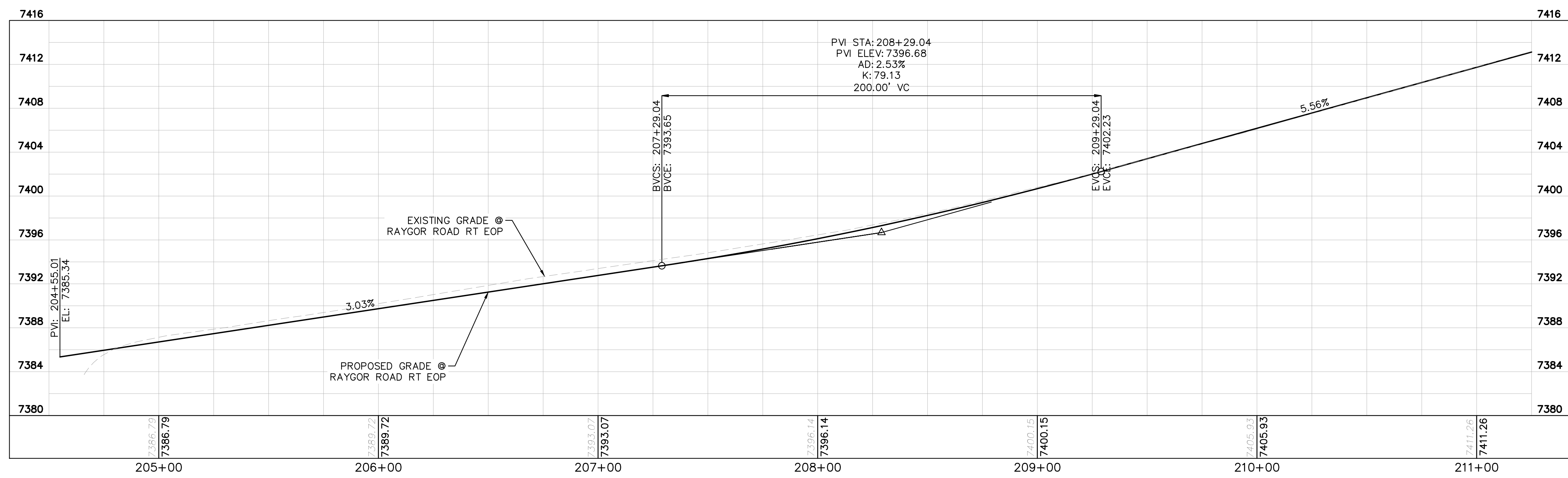
NOTES

1. SEE SHEET 3 FOR TYPICAL ROADWAY SECTIONS AND ROADSIDE DITCH CONFIGURATIONS AS LABELED IN PLAN VIEW.
2. PIE = PUBLIC IMPROVEMENT EASEMENT
3. PUE = PUBLIC UTILITY EASEMENT
4. WIDENING TO CARRY OUT EXISTING GRADE @ RAYGOR CL, AND CROWNED SECTION WITH 2% SLOPE

RAYGOR ROAD - LT EOP PROFILE VIEW
STA: 1+00 - 7+50
(201+00 - 207+50)



RAYGOR ROAD - RT EOP PROFILE VIEW
STA: 1+00 - 7+50
(204+50 - 211+25)



NO.	REVISION	BY	DATE	APPR.

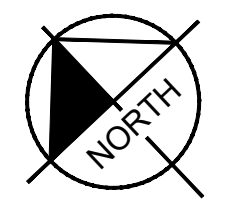
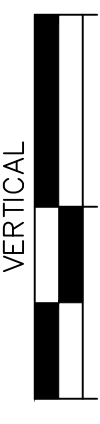
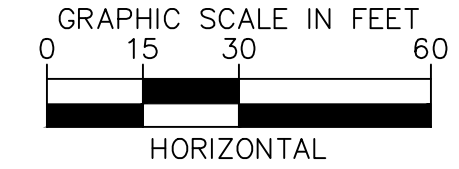
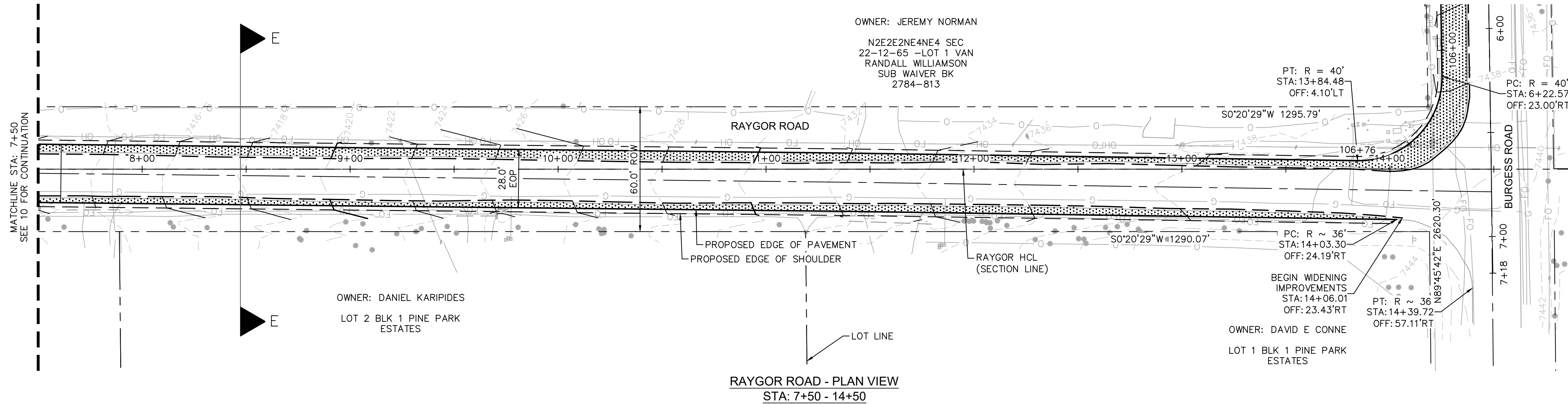
Kimley»Horn
 2022 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
 DRAWN BY: MJK
 CHECKED BY: KRK
 DATE: 12/23/2023

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

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

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDs\096288000CD_RD_P&P-Offsite.dwg Schmelbach, Ryan 12/23/2022 10:02 AM

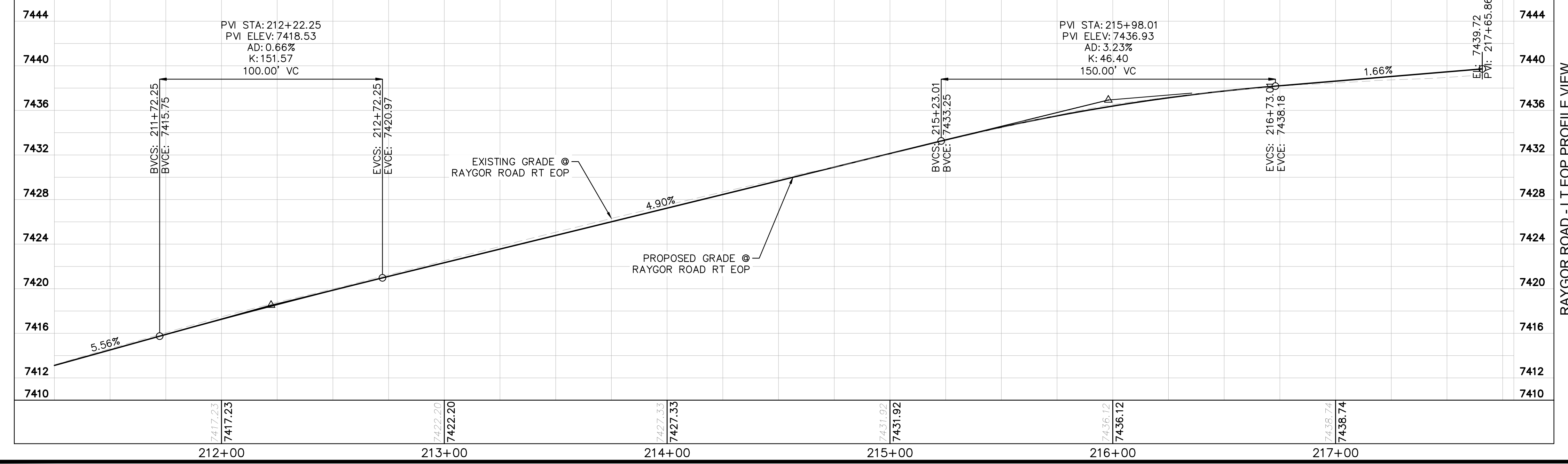
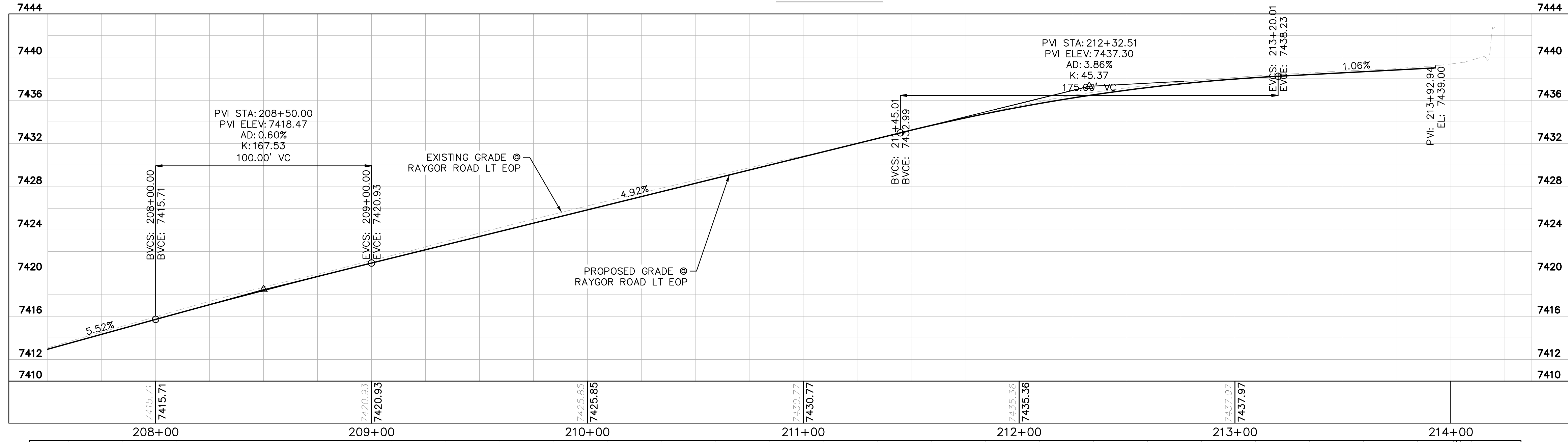


LEGEND

- PROPERTY/LOT LINE
- ROW LINE
- UTILITY EASEMENT LINE
- LOT # LOT NUMBER
- - - - - PROPOSED DRAINAGE EASEMENT
- X X CROSS SECTION (SEE SHEET 2)
- PROPOSED CULVERT
- EXISTING CULVERT
- - - - - EXISTING MAJOR CONTOUR
- - - - - EXISTING MINOR CONTOUR
- 7XXX PROPOSED MAJOR CONTOUR
- 7XXX PROPOSED MINOR CONTOUR
- - - - - SAWCUT
- PROPOSED EDGE OF PAVEMENT
- PROPOSED EDGE OF SHOULDER
- PROPOSED ASPHALT PAVEMENT

NOTES

1. SEE SHEET 3 FOR TYPICAL ROADWAY SECTIONS AND ROADSIDE DITCH CONFIGURATIONS AS LABELED IN PLAN VIEW.
2. PIE = PUBLIC IMPROVEMENT EASEMENT
3. PUE = PUBLIC UTILITY EASEMENT
4. WIDENING TO CARRY OUT EXISTING GRADE @ RAYGOR CL, AND CROWNED SECTION WITH 2% SLOPE



NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
2022 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: 12/23/2023

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

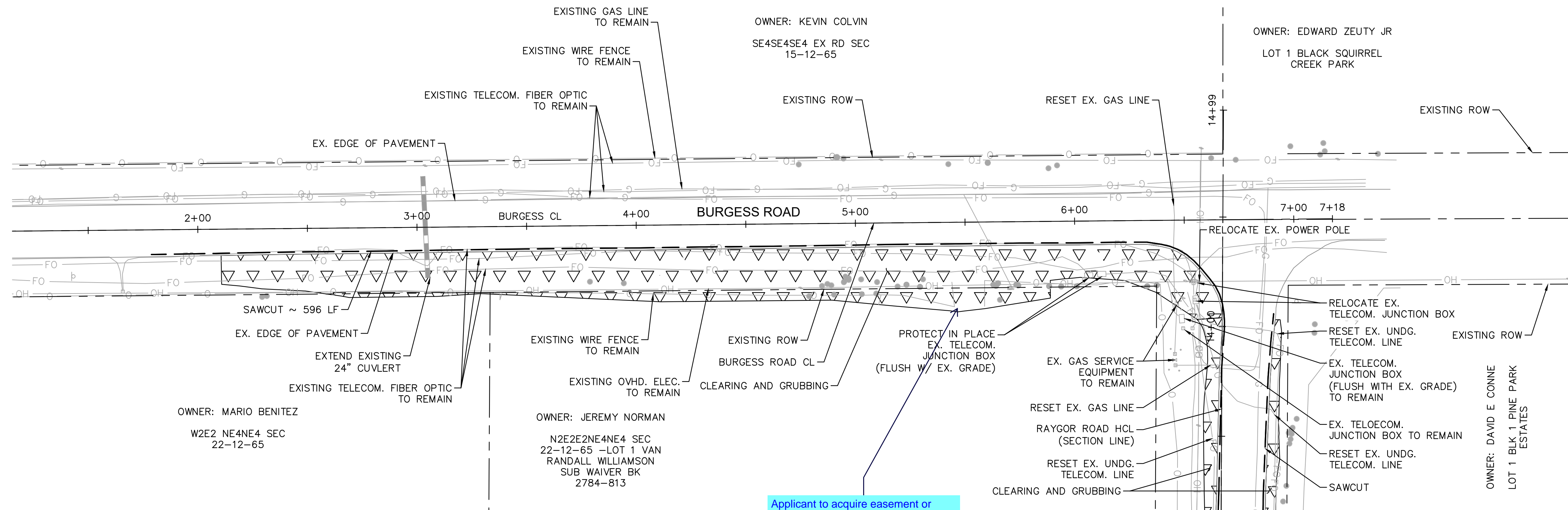
PRELIMINARY
FOR REVIEW ONLY
NOT FOR
CONSTRUCTION

Kimley»Horn
Kimley-Horn and Associates, Inc.

PROJECT NO.
196106001

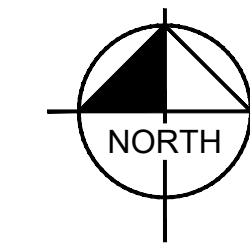
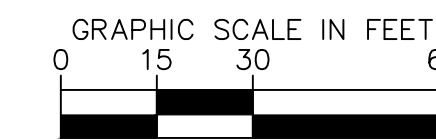
SHEET
21

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDA\CD_OFFSITE_REM-RESET.dwg Schnellbach, Ryan 12/23/2022 10:03 AM



LEGEND

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



NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
 2022 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

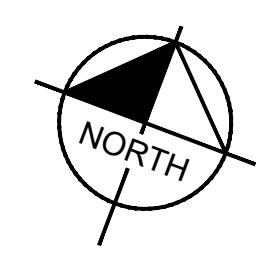
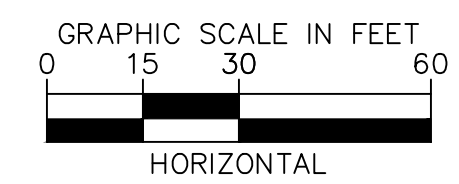
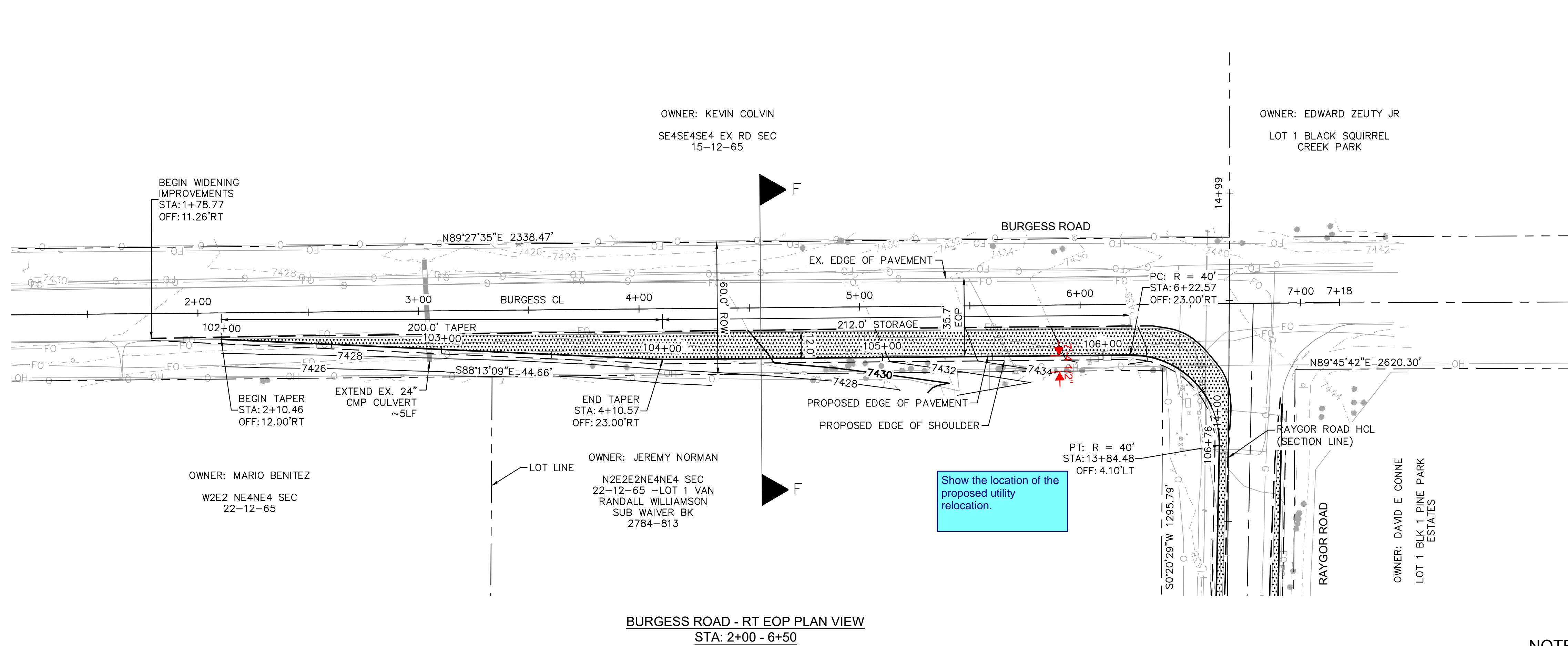
DESIGNED BY: MJK
 DRAWN BY: MJK
 CHECKED BY: KRK
 DATE: 12/23/2023

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

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

PROJECT NO.
196106001
 SHEET
22

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDs\096288000CD_RD_P&P-Offsite.dwg Schmelbach, Ryan 12/23/2022 10:03 AM

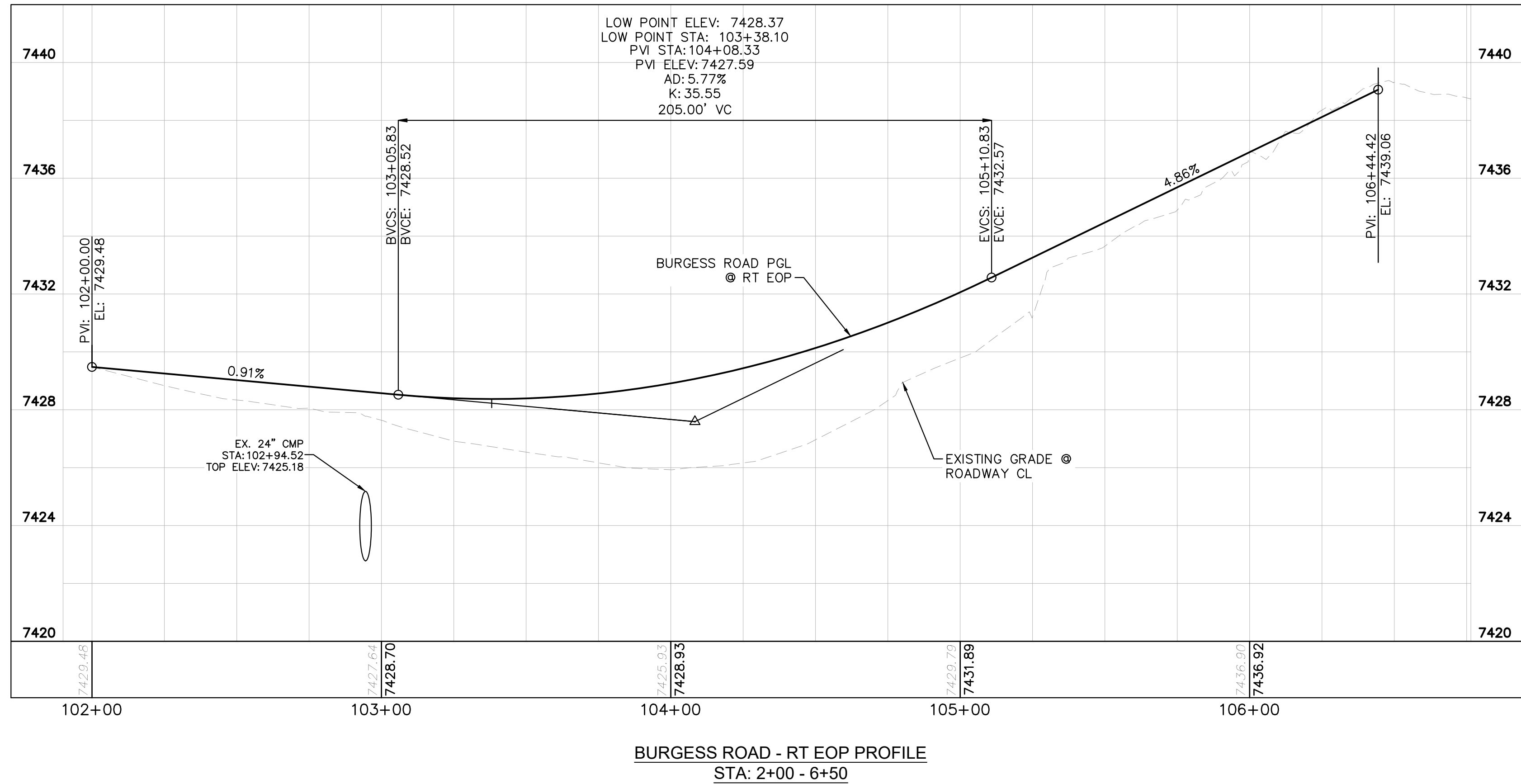


LEGEND

- PROPERTY/LOT LINE
- ROW LINE
- UTILITY EASEMENT LINE
- LOT # LOT NUMBER
- PROPOSED DRAINAGE EASEMENT
- X X CROSS SECTION (SEE SHEET 2)
- 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

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



NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
 2022 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
 DRAWN BY: MJK
 CHECKED BY: KKR
 DATE: 12/23/2023

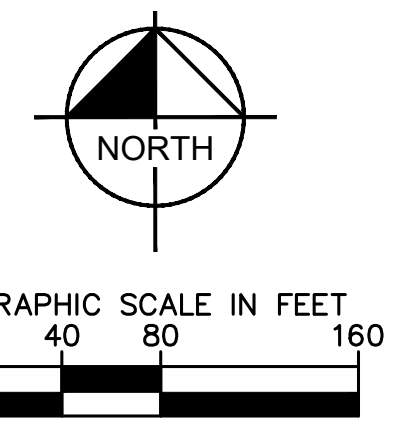
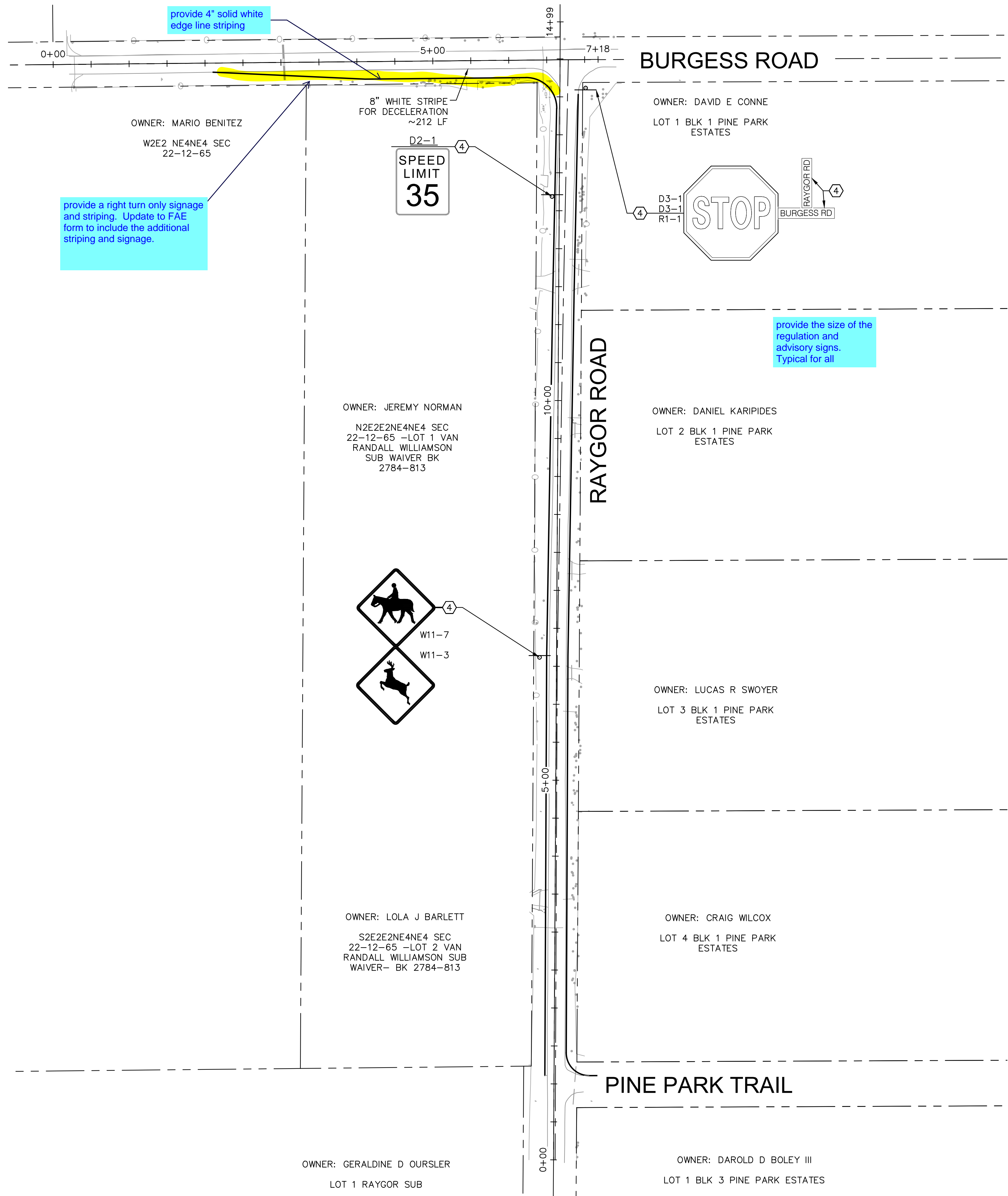
EAGLEVIEW
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
 BURGESS PLAN AND PROFILE

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

PROJECT NO.
 196106001

SHEET
 23

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDs_SS.dwg Schnelbach, Ryan 12/23/2022 10:03 AM



LEGEND

---	PROPERTY LINE
- - - - -	PROPOSED EASEMENT
↑	PROPOSED ROADWAY SIGN
①	PROPOSED R1-1 SIGN
②	PROPOSED D2-1 SIGN
③	PROPOSED D3-1 SIGN
④	EXISTING SIGN TO BE RESET

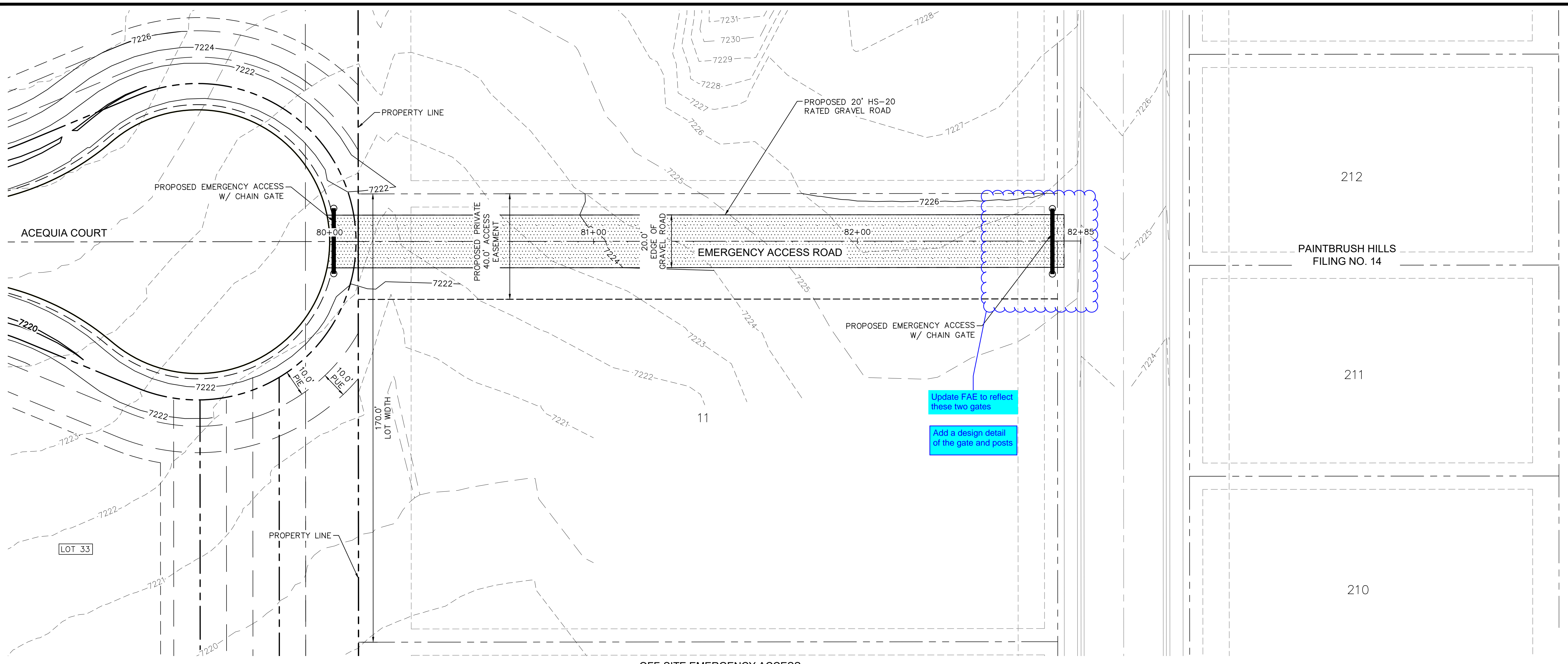
Provide typical ground sign placement detail.

SIGNING AND STRIPING NOTES

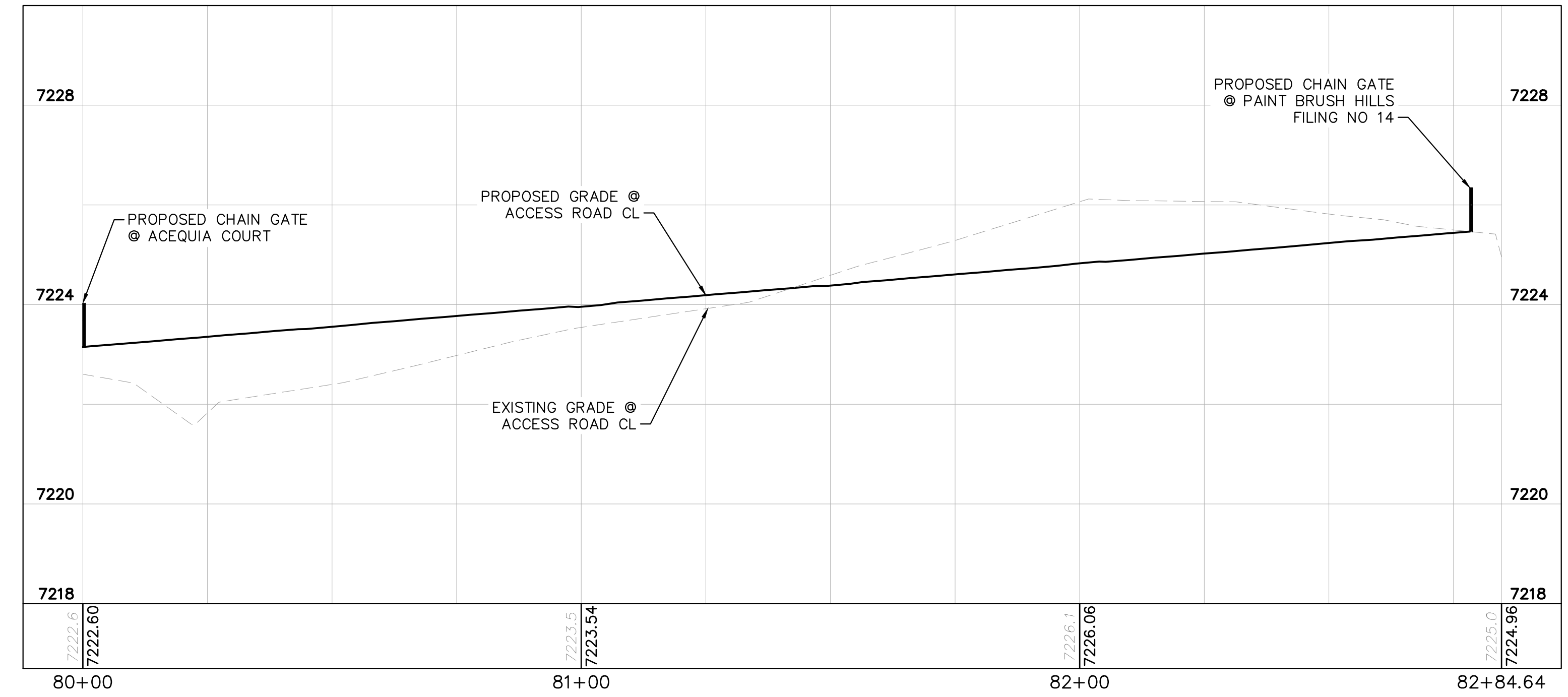
1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT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

<p>Kimley»Horn 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 OFF-SITE STRIPING & SIGNAGE PLAN</p>	<p>PRELIMINARY FOR REVIEW ONLY NOT FOR CONSTRUCTION</p>
<p>PROJECT NO. 196288000</p>	<p>DATE APPR</p>
<p>SHEET 24</p>	<p>REVISION BY</p>

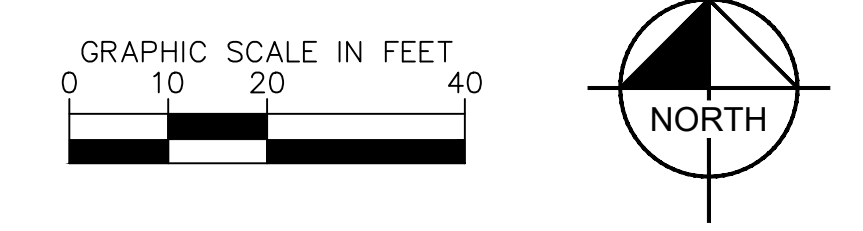
K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDs\CD_OFFSITE_EMERGENCY.dwg Schmelbach, Ryan 12/23/2022 10:04 AM



OFF-SITE EMERGENCY ACCESS
1" = 20'



OFF-SITE EMERGENCY ACCESS - PROFILE VIEW
1" = 20'



NO.	REVISION	BY	DATE	APPR

Kimley»Horn
 2022 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

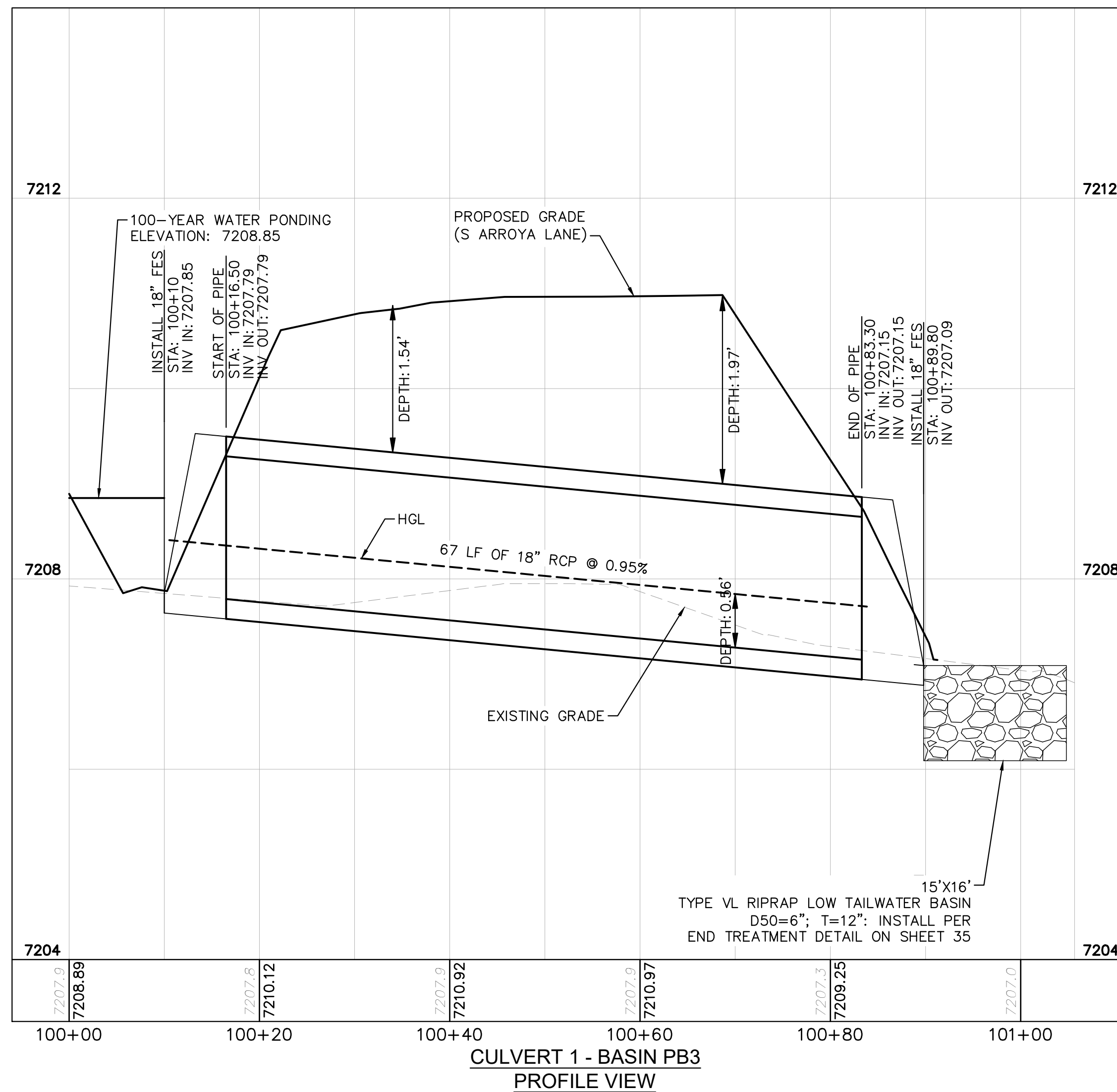
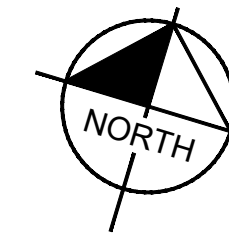
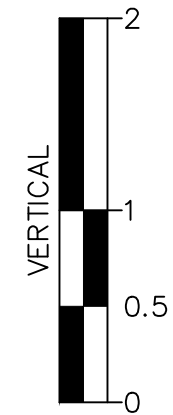
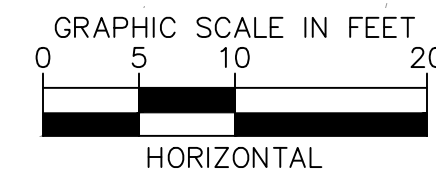
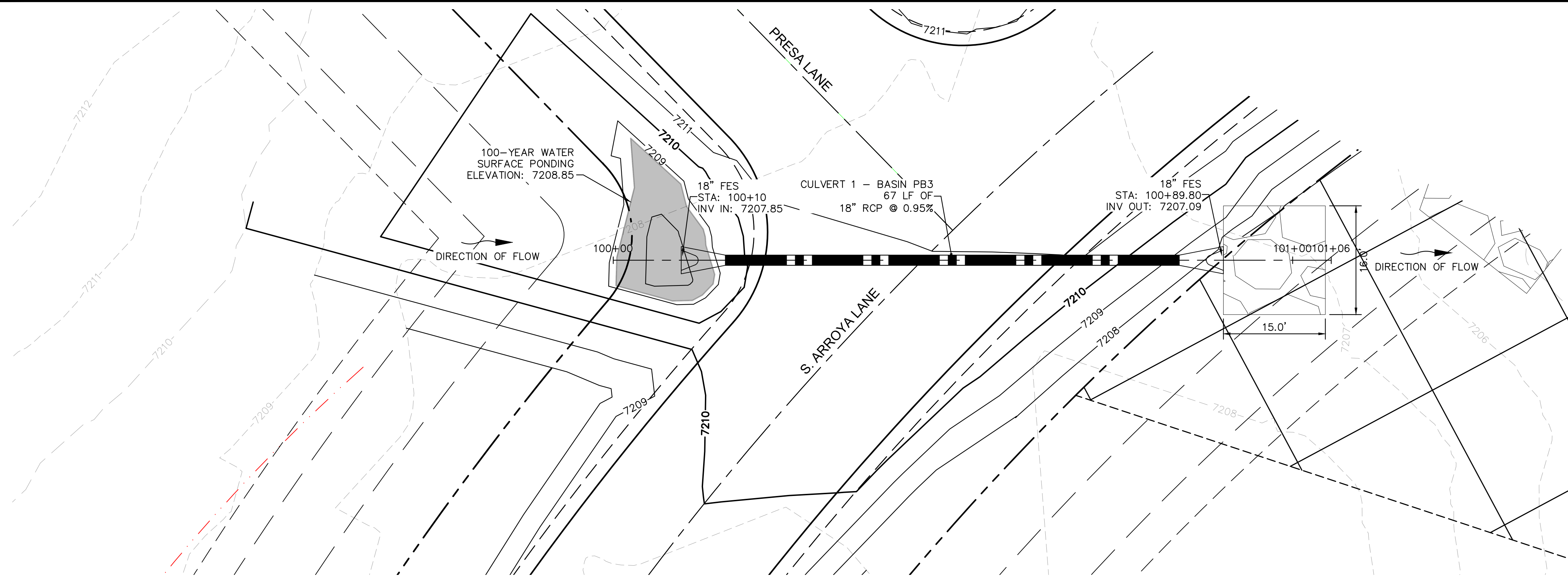
DESIGNED BY: MJK
 DRAWN BY: MJK
 CHECKED BY: KRK
 DATE: 12/23/2023

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

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

PROJECT NO.
196106001
 SHEET
25

K:\COS_Civil\196286000_Eagleview\CADD\PlanSheets\CDA\CD_CULVERT P&F.dwg Schmelboch, Ryan 12/23/2022 10:04 AM



NOTES

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

NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
2022 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: 12/23/2023

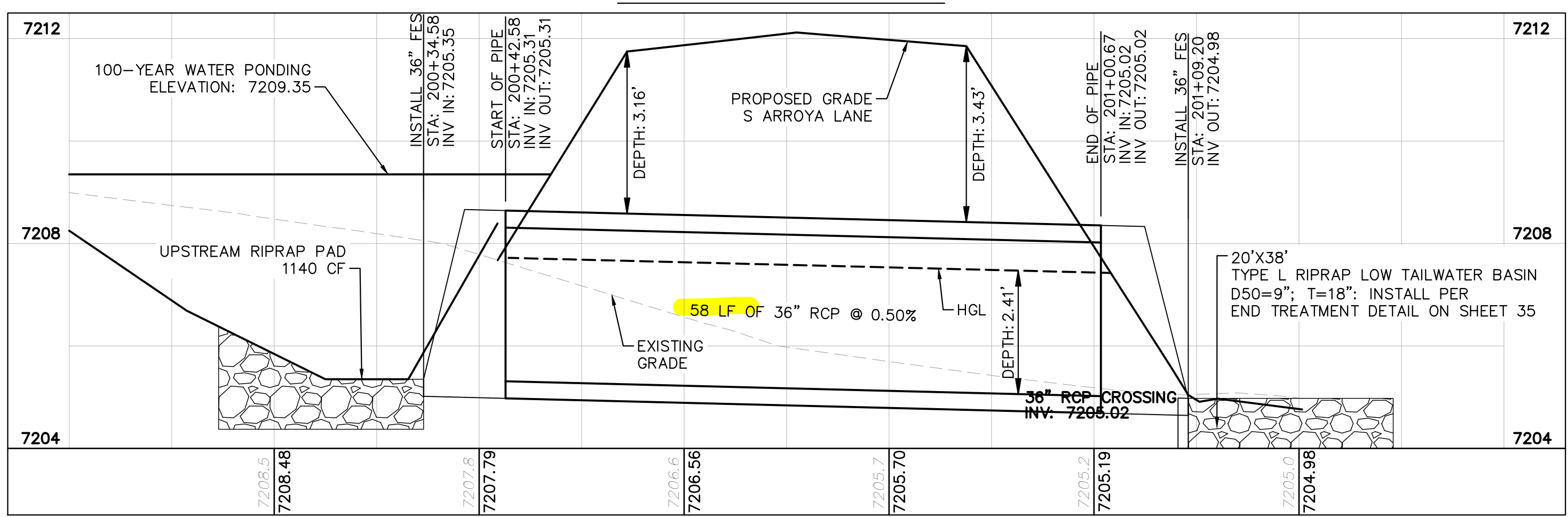
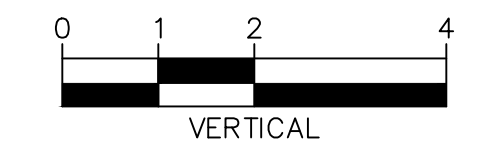
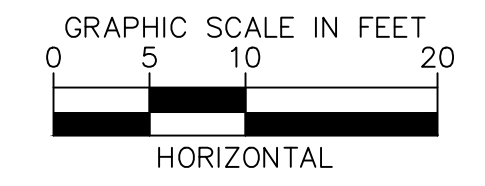
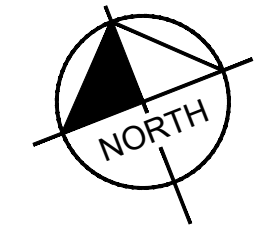
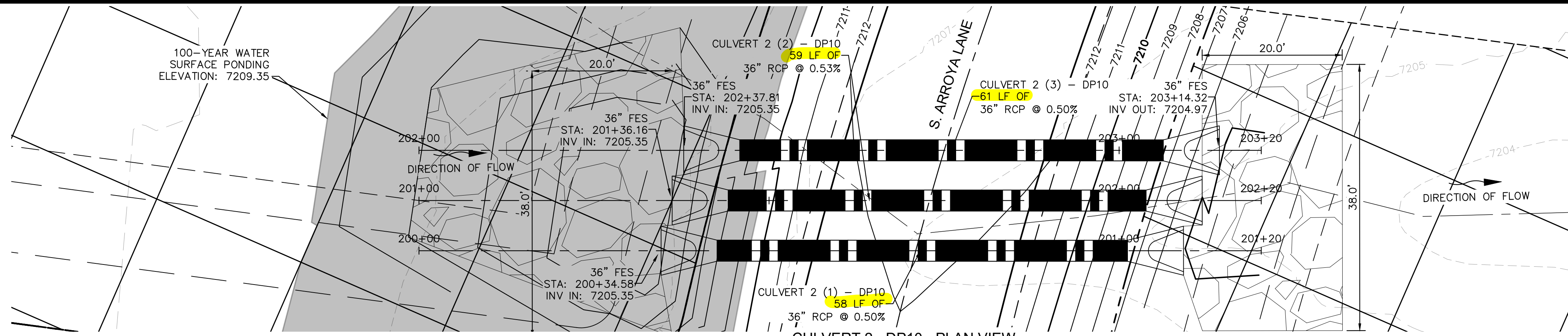
EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
CULVERT PLAN AND PROFILES

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

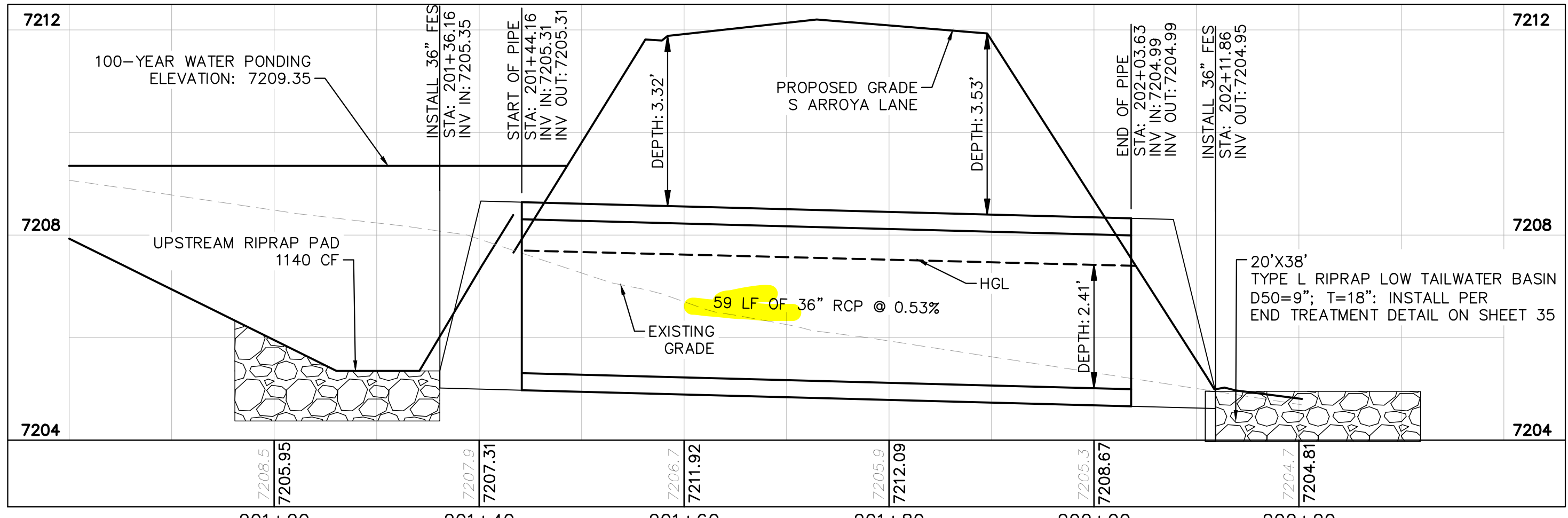
PROJECT NO.
196106001

SHEET
26

K:\COS_Civil\196286000_Eagleview\CADD\PlanSheets\CDA_CD_CULVERT_P&F.dwg Schmelbach, Ryan 12/23/2022 10:04 AM



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

NO.	REVISION	BY	DATE	APPR.

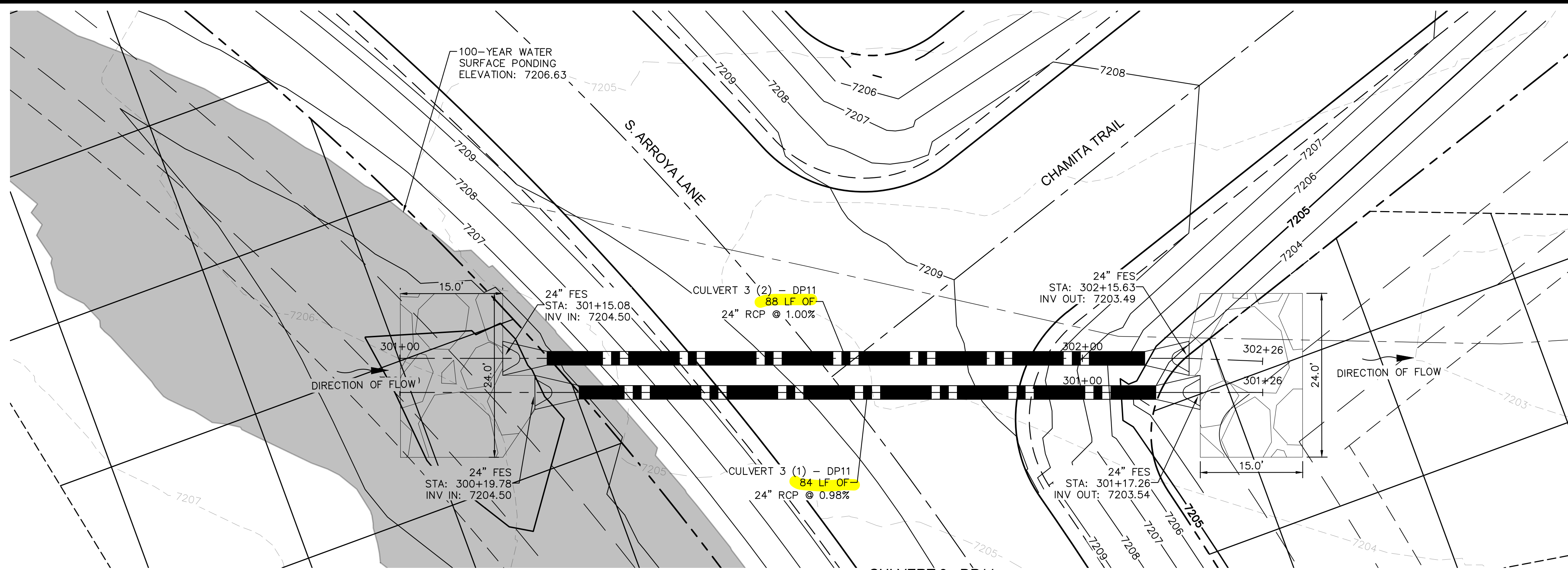
Kimley»Horn
 2022 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
 DRAWN BY: MJK
 CHECKED BY: KKK
 DATE: 12/23/2023

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

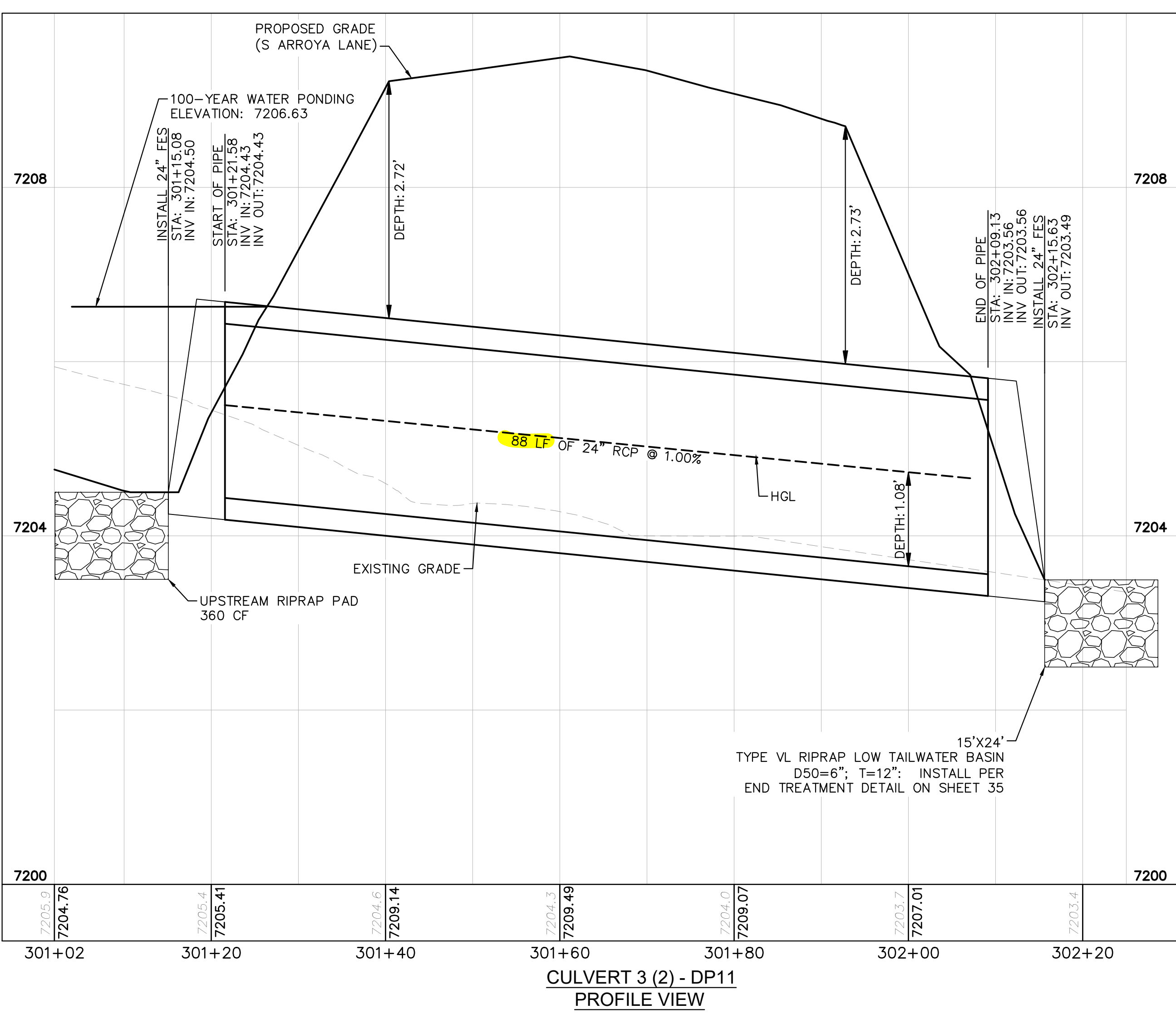
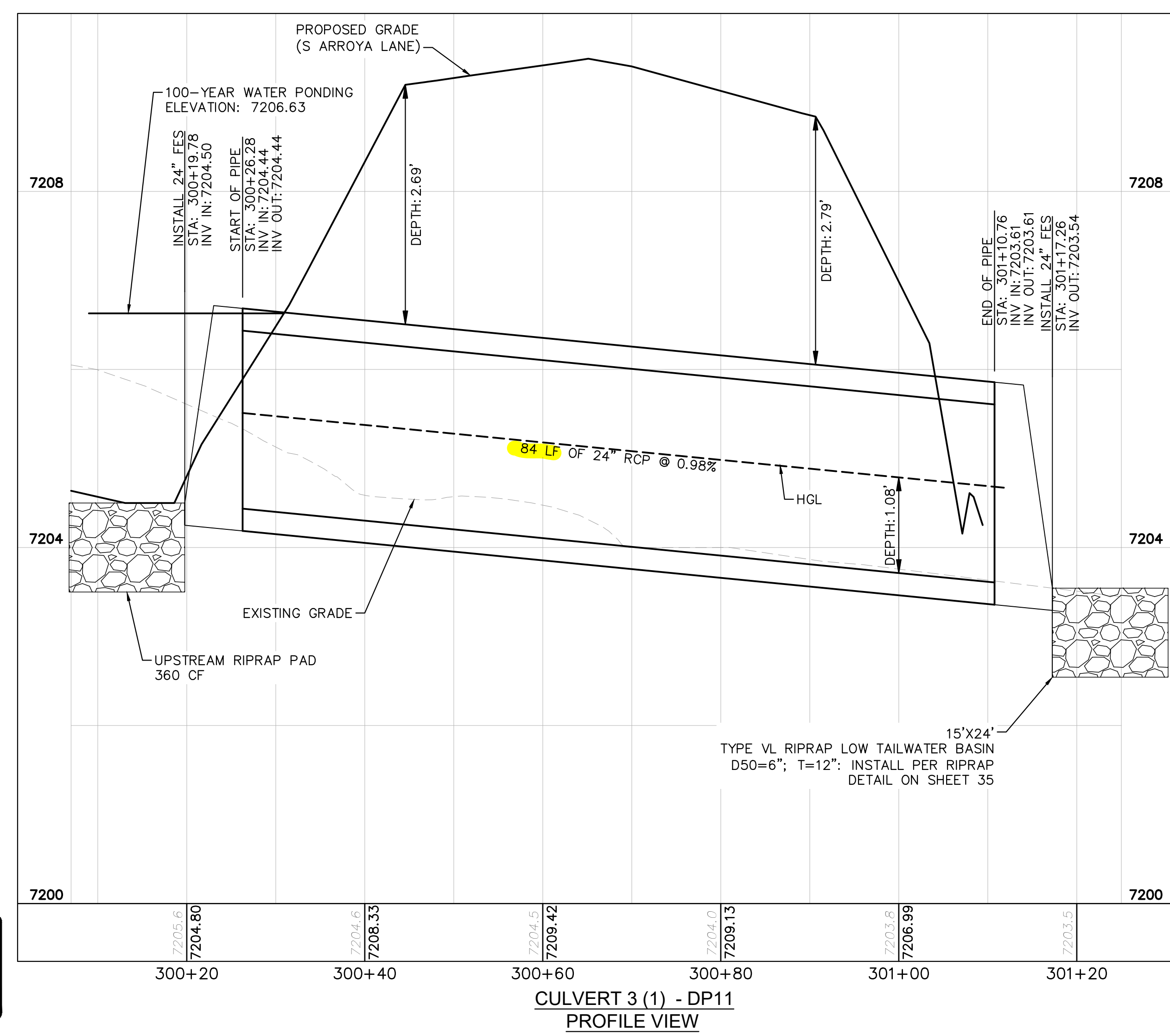
PRELIMINARY
 FOR REVIEW ONLY
 NOT FOR CONSTRUCTION
Kimley»Horn
 Kimley-Horn and Associates, Inc.

PROJECT NO.
196106001
 SHEET
27



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



NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
2022 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

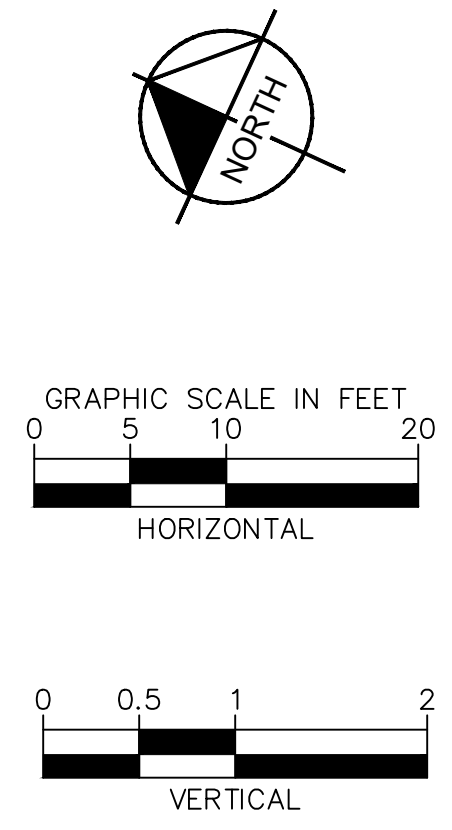
DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KKK
DATE: 12/23/2023

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

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION

PROJECT NO.
196106001
SHEET
28

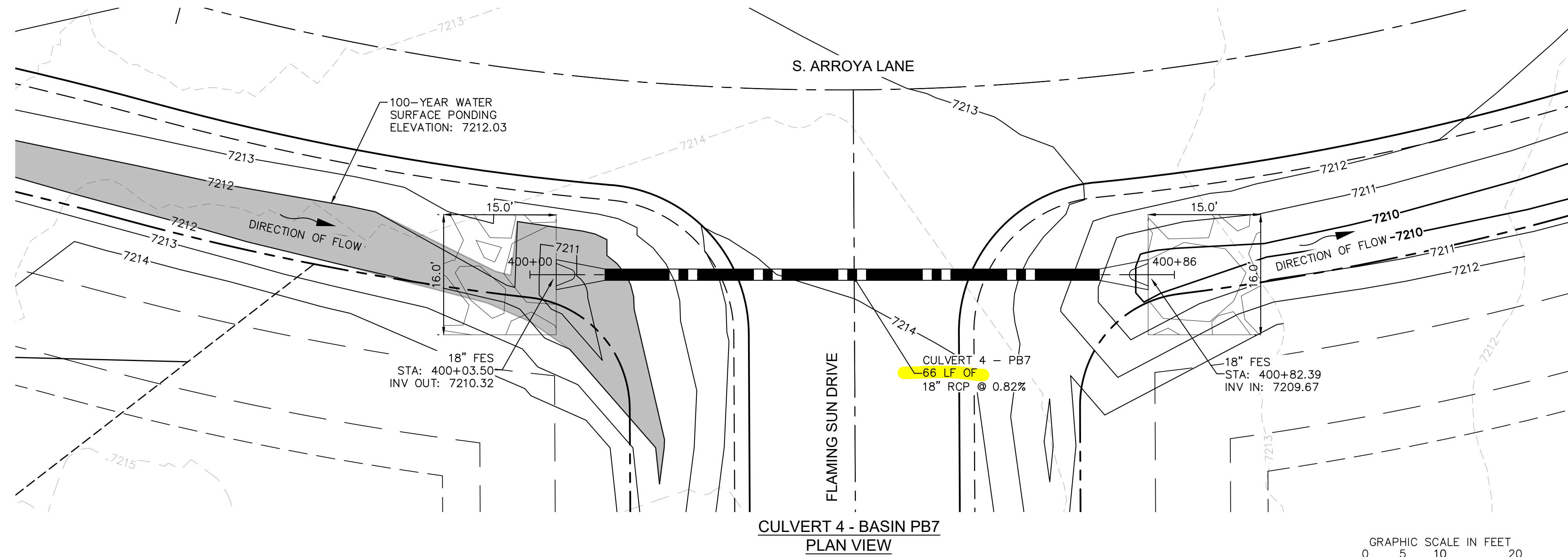
K:\COS_Civil\196286000_Eagleview\CADD\PlanSheets\CDA_CD_CULVERT_P&P.dwg Schmelbach, Ryan 12/23/2022 10:04 AM



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

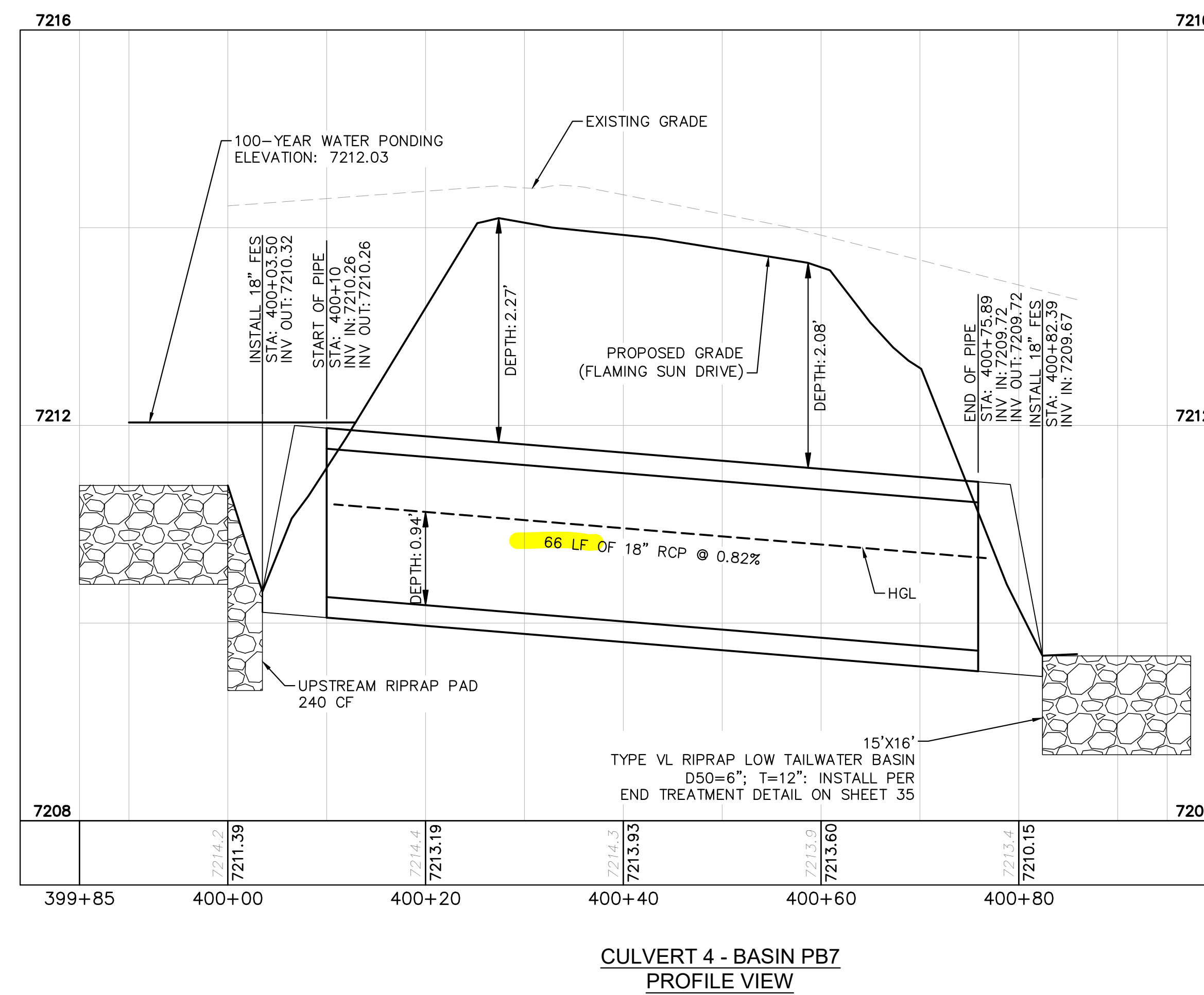
CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

K:\COS_Civil\196286000_Eagleview\CADD\PlanSheets\CDA\CD_CULVERT_P&P.dwg Schmelboch, Ryan 12/23/2022 10:04 AM



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



NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
2022 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

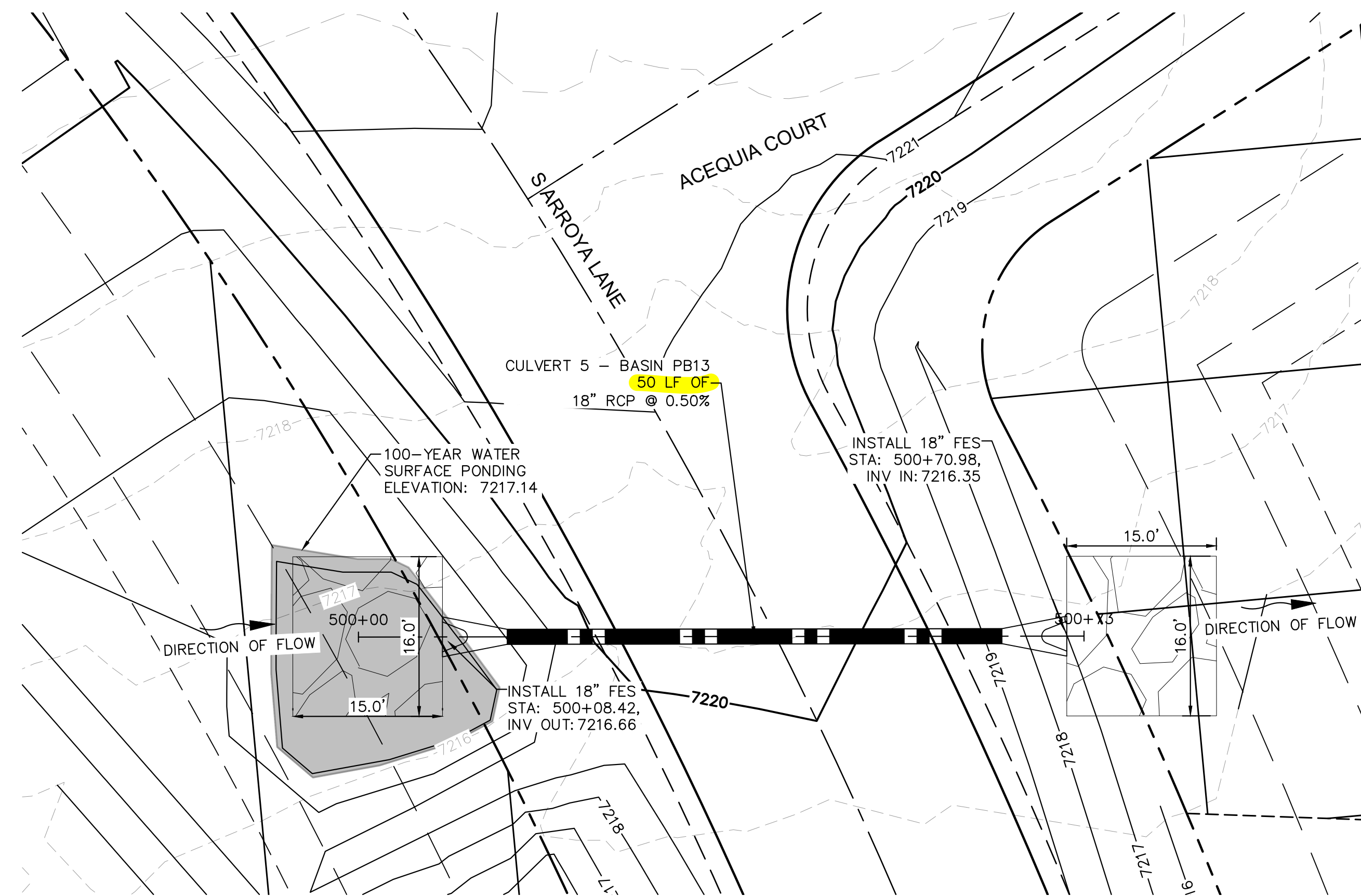
DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KRK
DATE: 12/23/2023

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

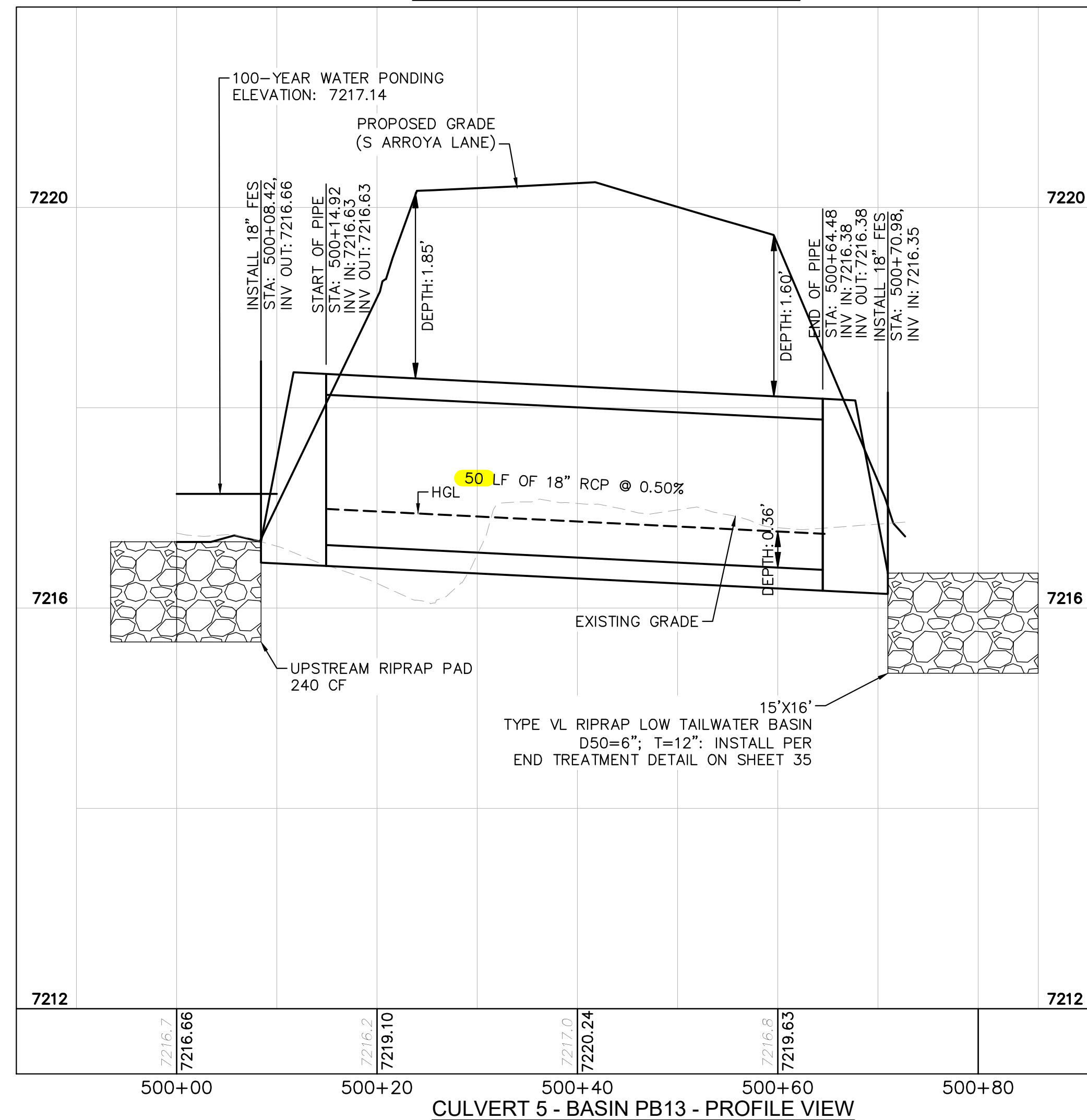
PRELIMINARY
FOR REVIEW ONLY
NOT FOR
CONSTRUCTION
Kimley»Horn
Kimley-Horn and Associates, Inc.

PROJECT NO.
196106001
SHEET
29

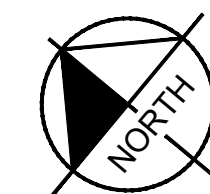
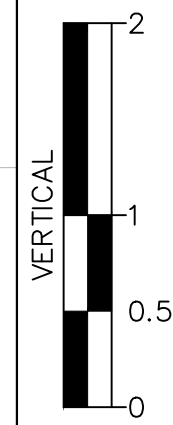
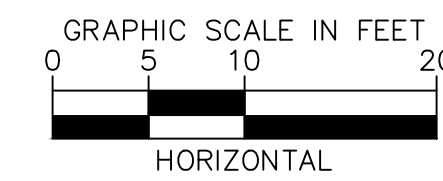
K:\COS_Civil\196286000_Eagleview\CADD\PlanSheets\CDA\CD_CULVERT P&P_2.dwg Schmelbach, Ryan 12/23/2022 10:05 AM



CULVERT 5 - BASIN PB13 - PLAN VIEW



CULVERT 5 - BASIN PB13 - PROFILE VIEW



NOTES

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

NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
 2022 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: 12/23/2023

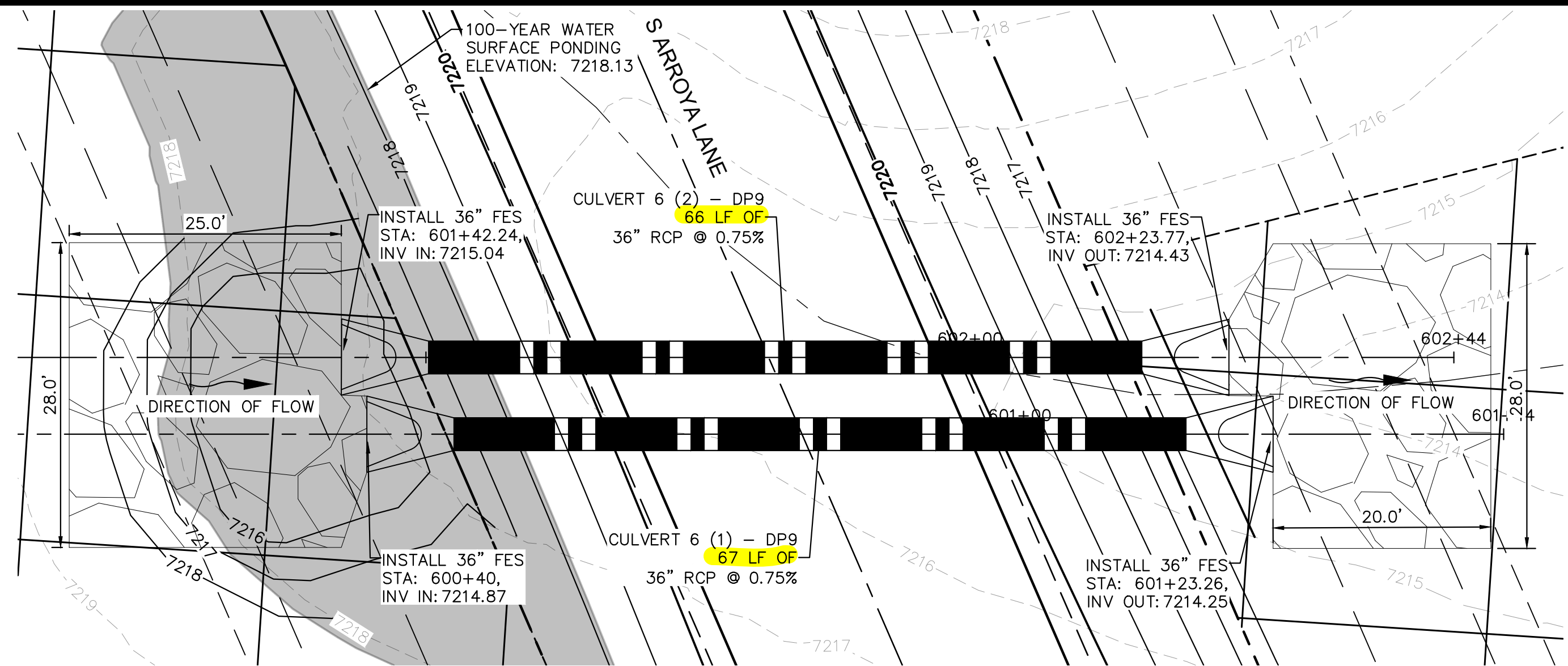
EAGLEVIEW
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
 CULVERT PLAN AND PROFILES

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

PROJECT NO.
 196106001

SHEET
 30

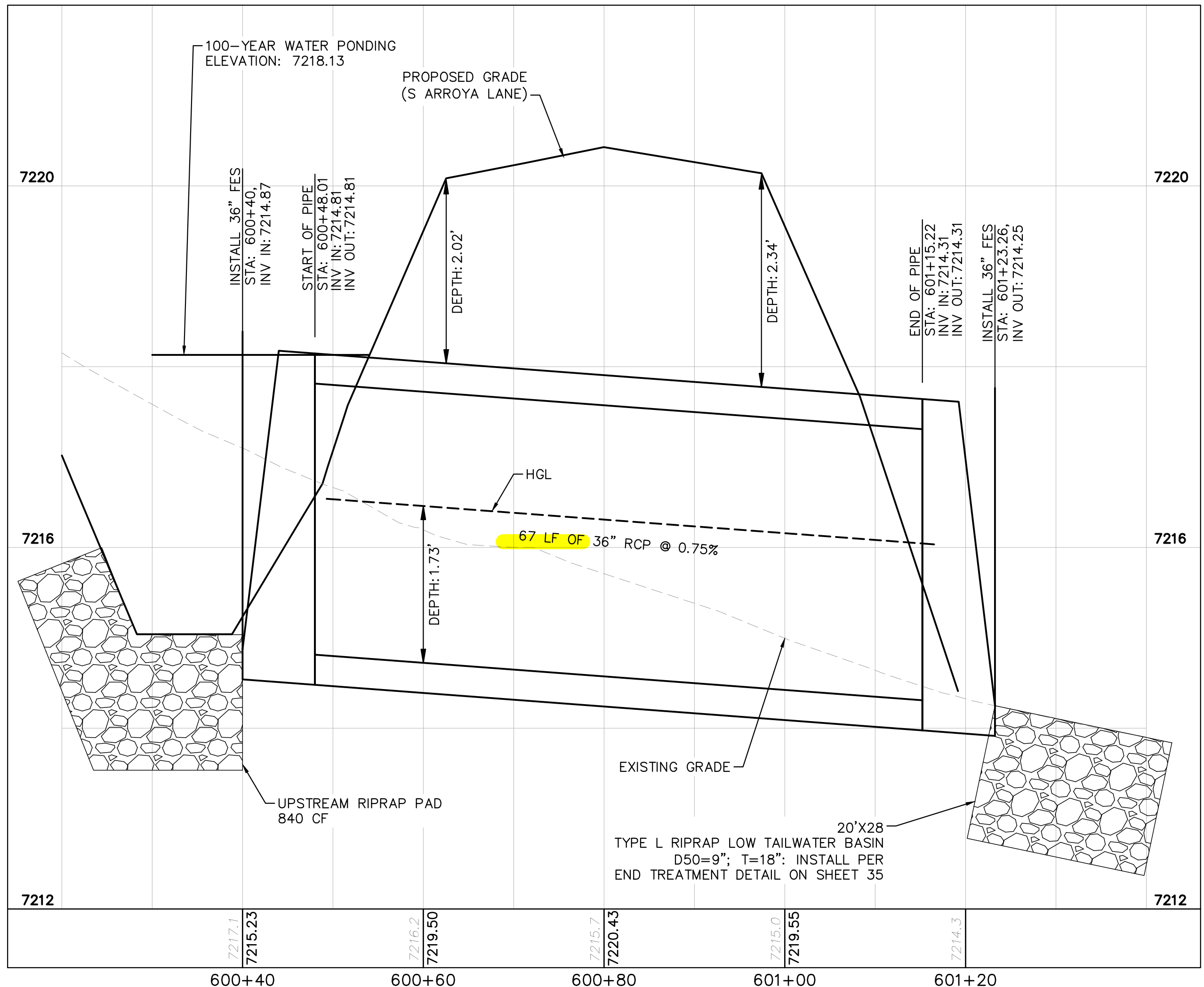
K:\COS_Civil\196286000_Eagleview\CADD\Plansheets\CDA\CD_CULVERT P&P_2.dwg Schmelbach, Ryan 12/23/2022 10:05 AM



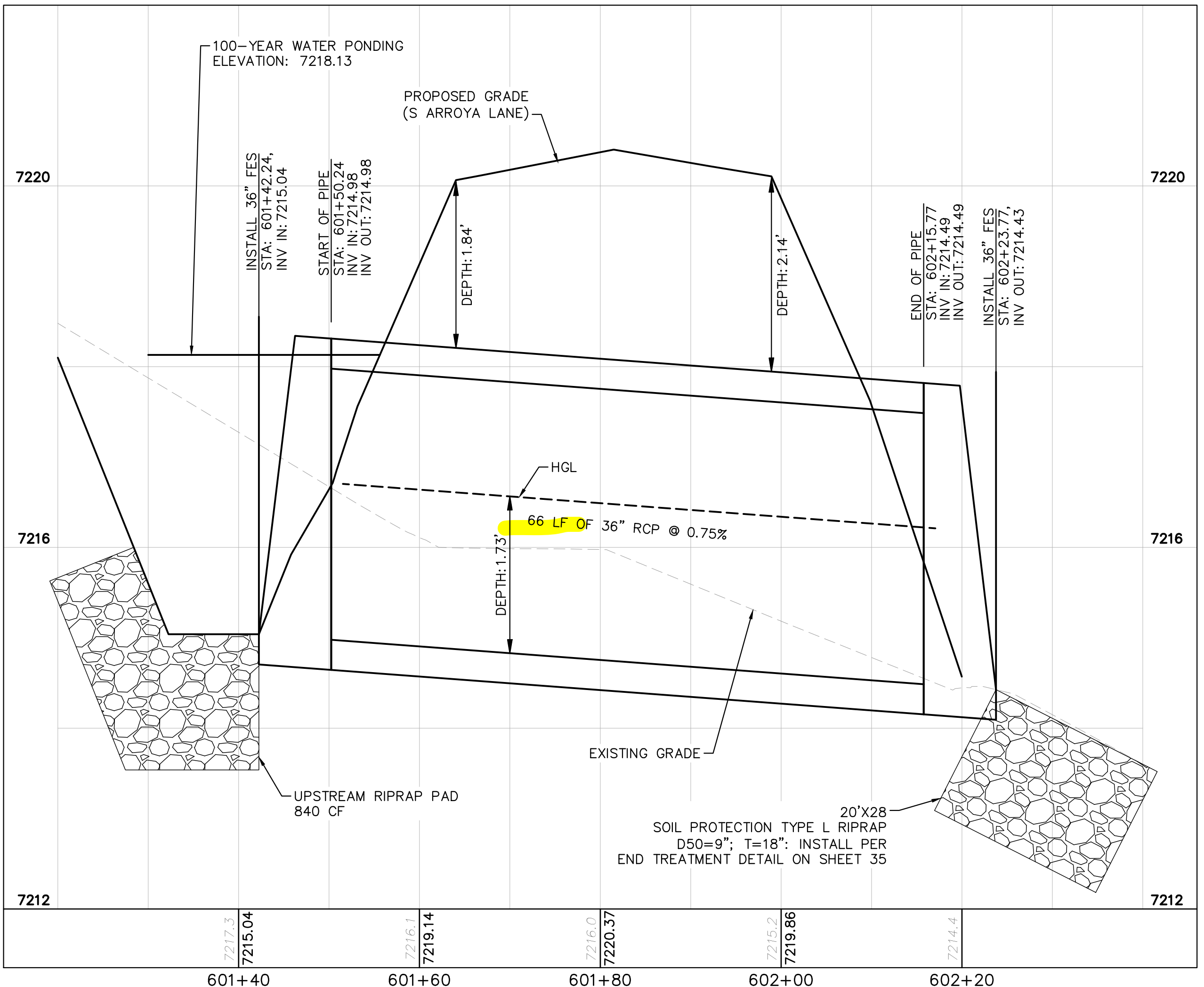
CULVERT 6 - DP9
PLAN VIEW

NOTES

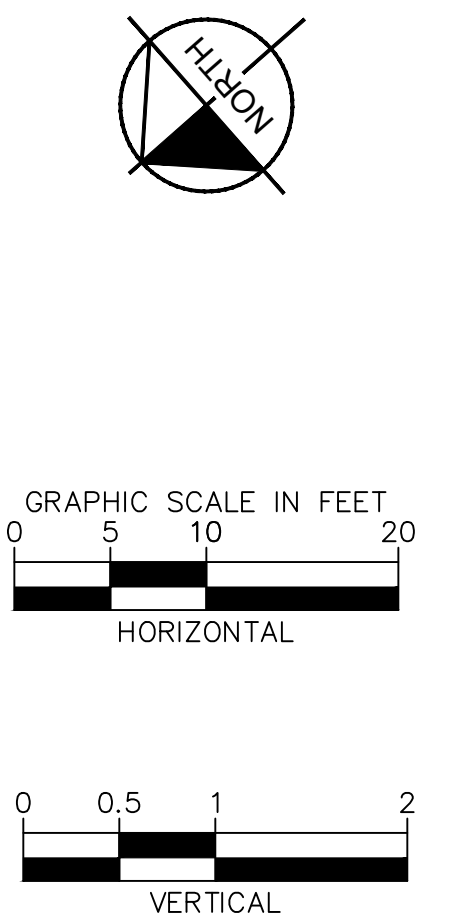
- PIPE LENGTH SHOWN IS 2D PIPE LENGTH. CONTRACTOR TO VERIFY QUANTITIES FOR ACTUAL LENGTH.
- ASSUMED FLARED END SECTIONS (FES) LENGTHS ARE THE FOLLOWING:
 6'-1": 18"-30" FES
 8'-1": 30" FES
 8'-2": 42"-48" FES



CULVERT 6 (1) - DP9
PROFILE VIEW



CULVERT 6 (2) - DP9
PROFILE VIEW



NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
 2022 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: 12/23/2023

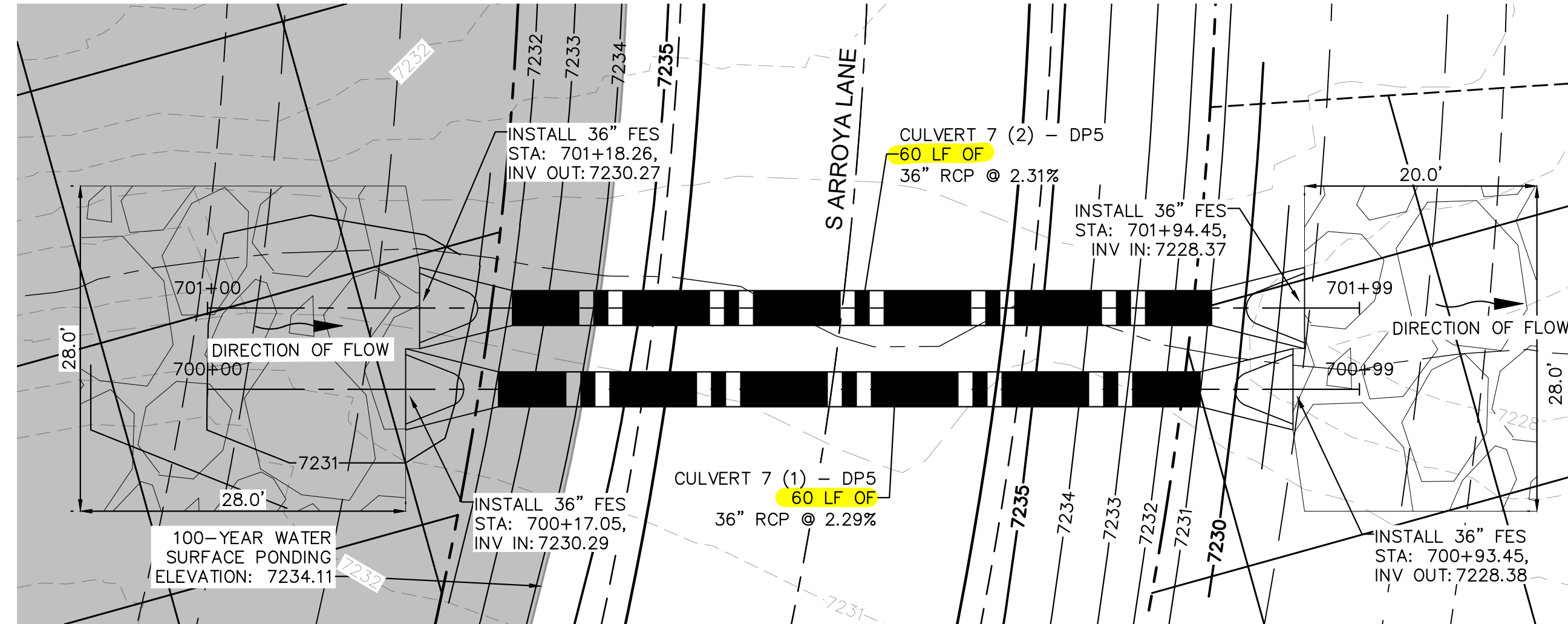
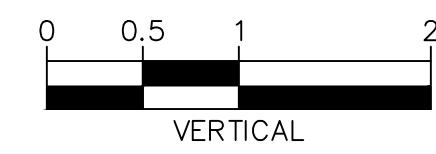
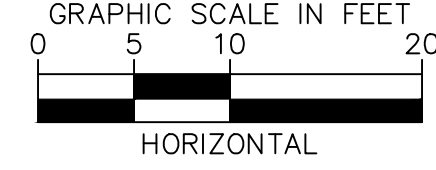
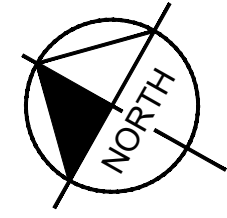
EAGLEVIEW
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
 CULVERT PLAN AND PROFILES

PRELIMINARY
 FOR REVIEW ONLY
 NOT FOR CONSTRUCTION

PROJECT NO.
 196106001

SHEET
 31

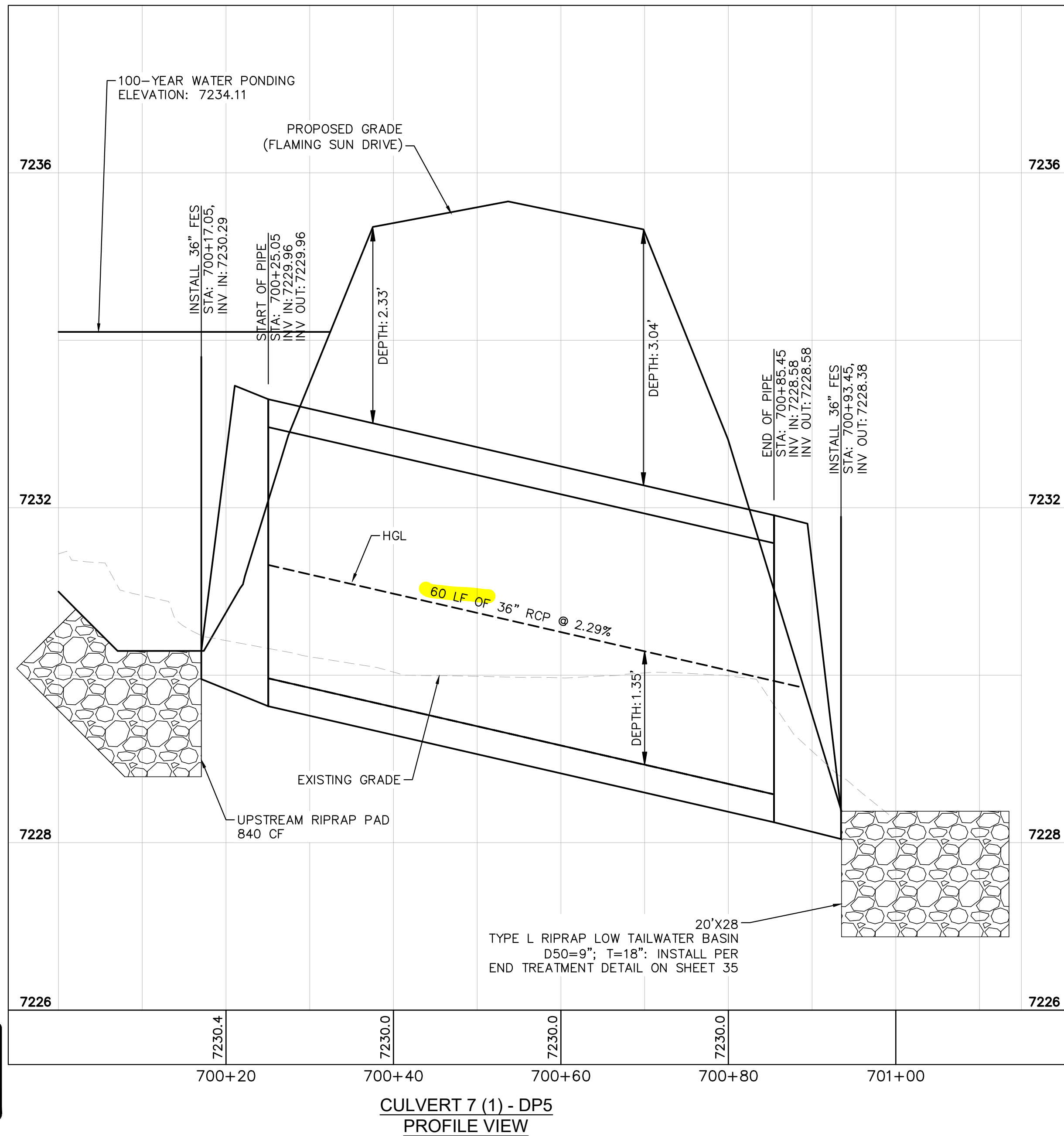
K:\COS_Civil\196286000_Eagleview\CADD\PlanSheets\CDA\CD_CULVERT P&P_2.dwg Schnellbach, Ryan 12/23/2022 10:05 AM



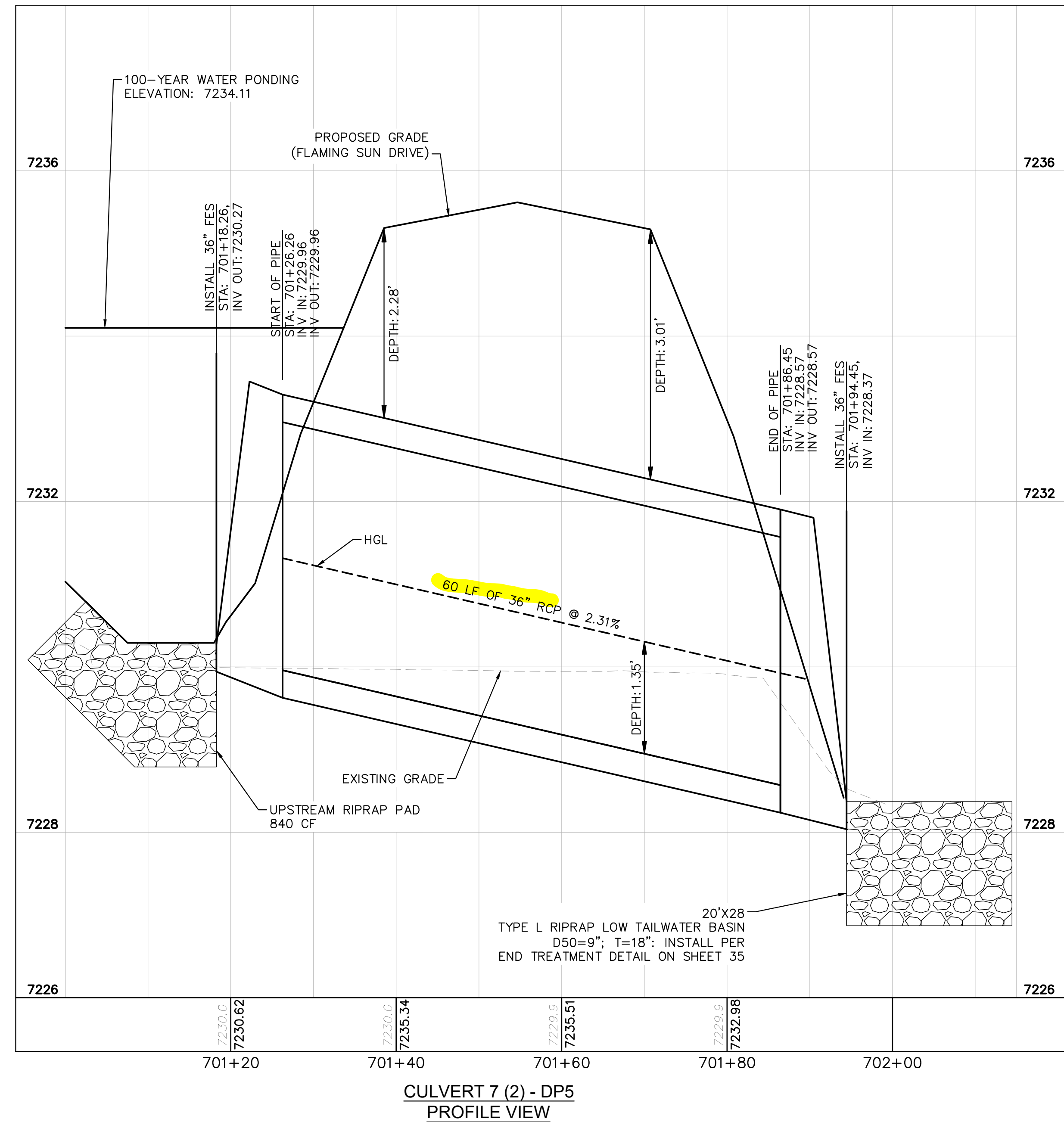
CULVERT 7 - DP5
PLAN VIEW

NOTES

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



CULVERT 7 (1) - DP5
PROFILE VIEW



CULVERT 7 (2) - DP5
PROFILE VIEW



DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KKK
DATE: 12/23/2023

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

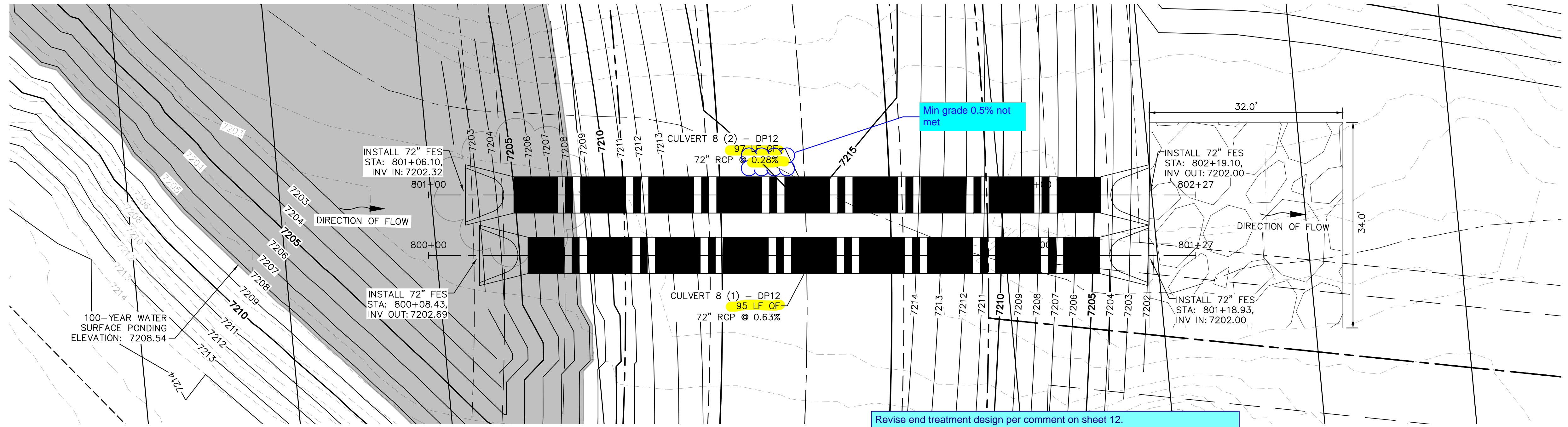
PRELIMINARY
FOR REVIEW ONLY
NOT FOR
CONSTRUCTION

PROJECT NO.
196106001

SHEET
32

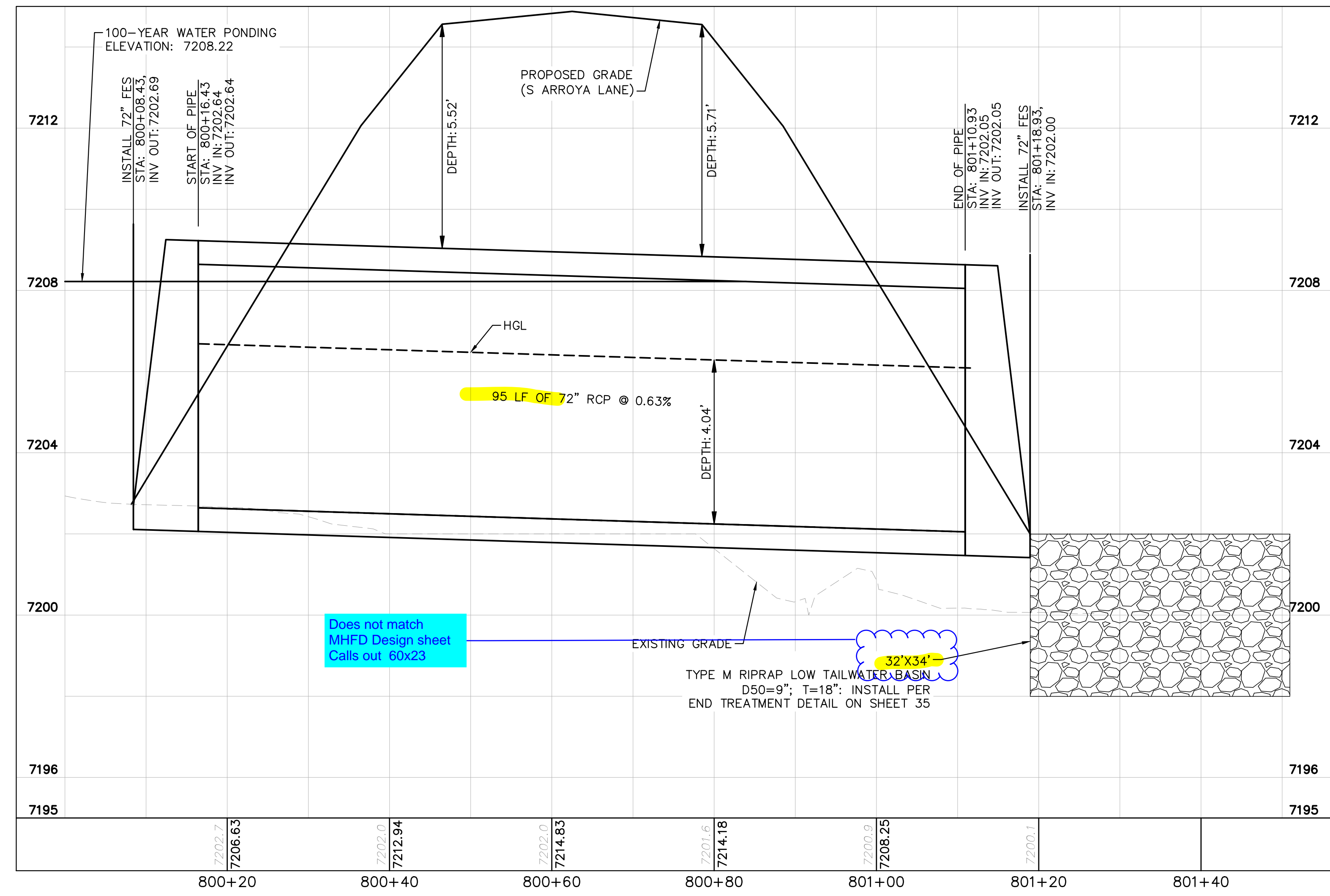
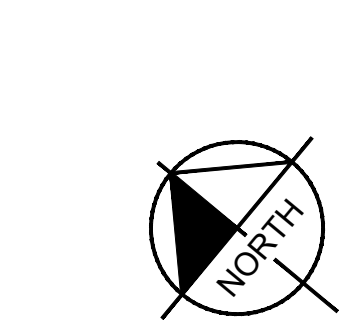
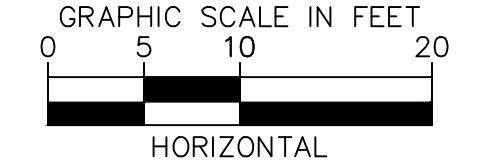
NO.	REVISION	BY	DATE	APPR.

K:\COS_Civil\196286000_Eagleview\CADD\PlanSheets\CDA\CD_CULVERT P&P_2.dwg Schmelbach, Ryan 12/23/2022 10:05 AM



CULVERT 8 (1) - DP12
PLAN VIEW

Revise end treatment design per comment on sheet 12.



CULVERT 8 (1) - DP12
PROFILE VIEW

NOTES

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



NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
2022 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

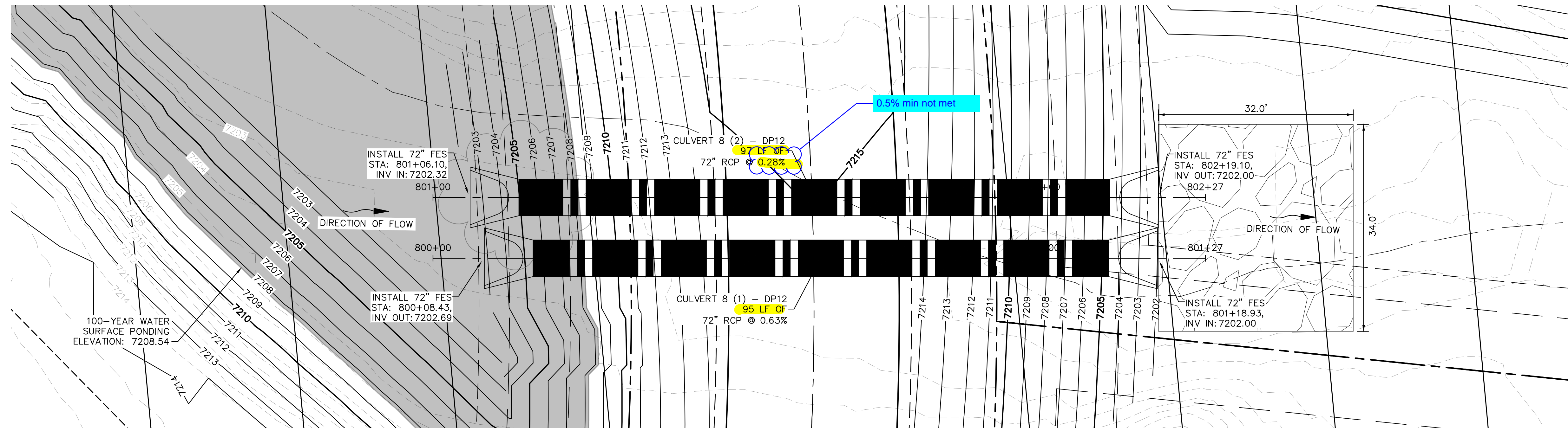
DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KKK
DATE: 12/23/2023

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

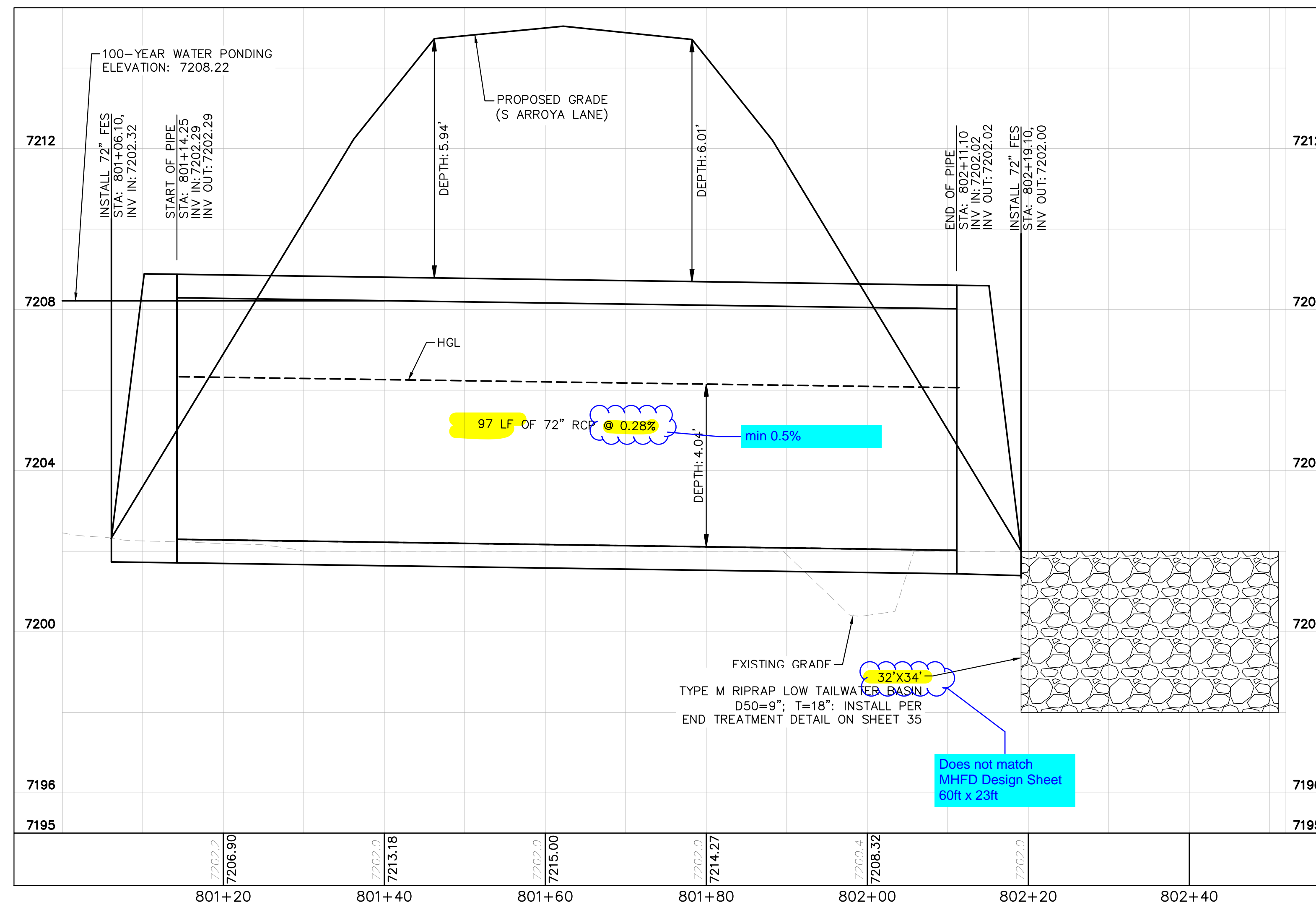
PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION
Kimley»Horn
Kimley-Horn and Associates, Inc.

PROJECT NO.
196106001
SHEET
33

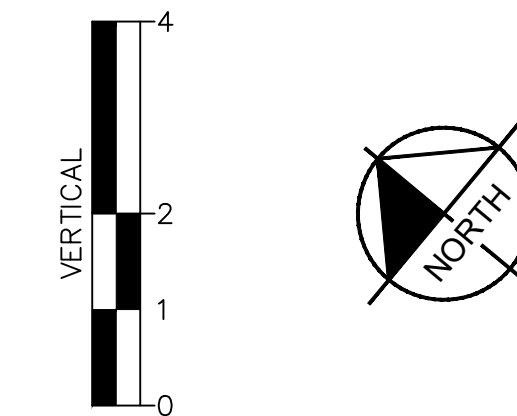
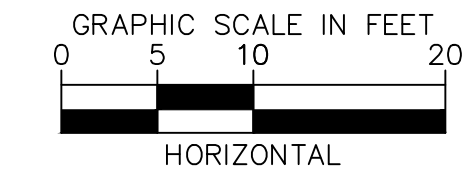
K:\COS_Civil\196286000_Eagleview\CADD\PlanSheets\CDA\CD_CULVERT P&P_2.dwg Schmelbach, Ryan 12/23/2022 10:05 AM



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

Delete sheet. This appears to be a duplicate of sheet 33.

Does not match MHFD Design Sheet 60R x 23ft



NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
 2022 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: 12/23/2023

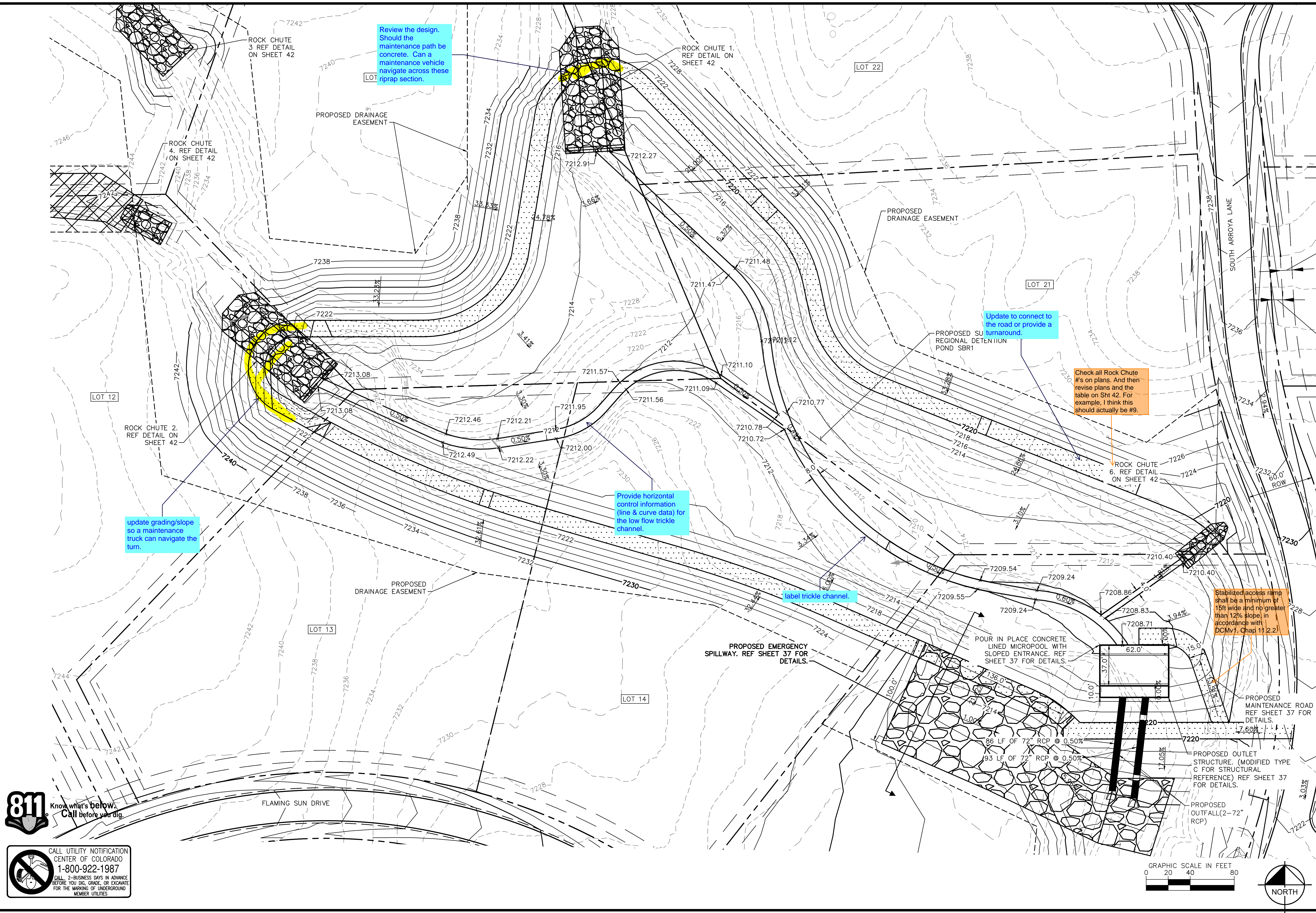
EAGLEVIEW
 EL PASO COUNTY, COLORADO
 CONSTRUCTION DOCUMENTS
 CULVERT PLAN AND PROFILES

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

PROJECT NO.
196106001

SHEET
34

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDs_CD_PND-SUB.dwg Schmelbach, Ryan 12/23/2022 10:05 AM



update grading/slope so a maintenance truck can navigate the turn.

Review the design. Should the maintenance path be concrete. Can a maintenance vehicle navigate across these riprap section.

Provide horizontal control information (line & curve data) for the low flow trickle channel.

label trickle channel.

Update to connect to the road or provide a turnaround.

Check all Rock Chute #'s on plans. And then revise plans and the table on Sht 42. For example, I think this should actually be #9.

Stabilized access ramp shall be a minimum of 15ft wide and no greater than 12% slope, in accordance with DCMv1, Chap 11.2.2.

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

GRAPHIC SCALE IN FEET
0 20 40 80

NORTH

NO.	REVISION	BY	DATE

Kimley»Horn
2022 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: 12/23/2023

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
SUB-REGIONAL POND (SR1)

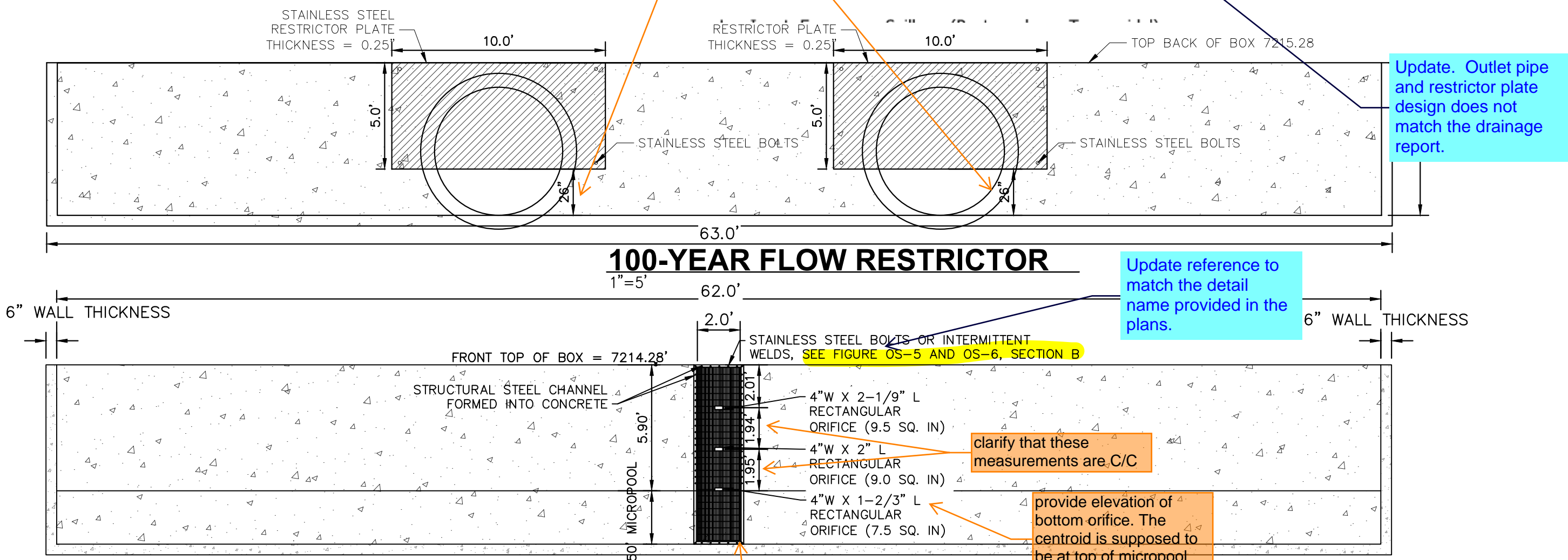
PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION

Kimley»Horn
Kimley-Horn and Associates, Inc.

PROJECT NO. 196106001
SHEET 36

Use Input: Outlet Pipe w/ Flow Restriction Plate (Circular Orifice, Restrictor Plate, or Rectangular Orifice)

	Zone 3 Restrictor	Not Selected	
Depth to Invert of Outlet Pipe =	0.25	N/A	ft (distance below basin bot)
Outlet Pipe Diameter =	108.00	N/A	inches
Restrictor Plate Height Above Pipe Invert =	52.00		inches



ORIFICE PLATE NOTES

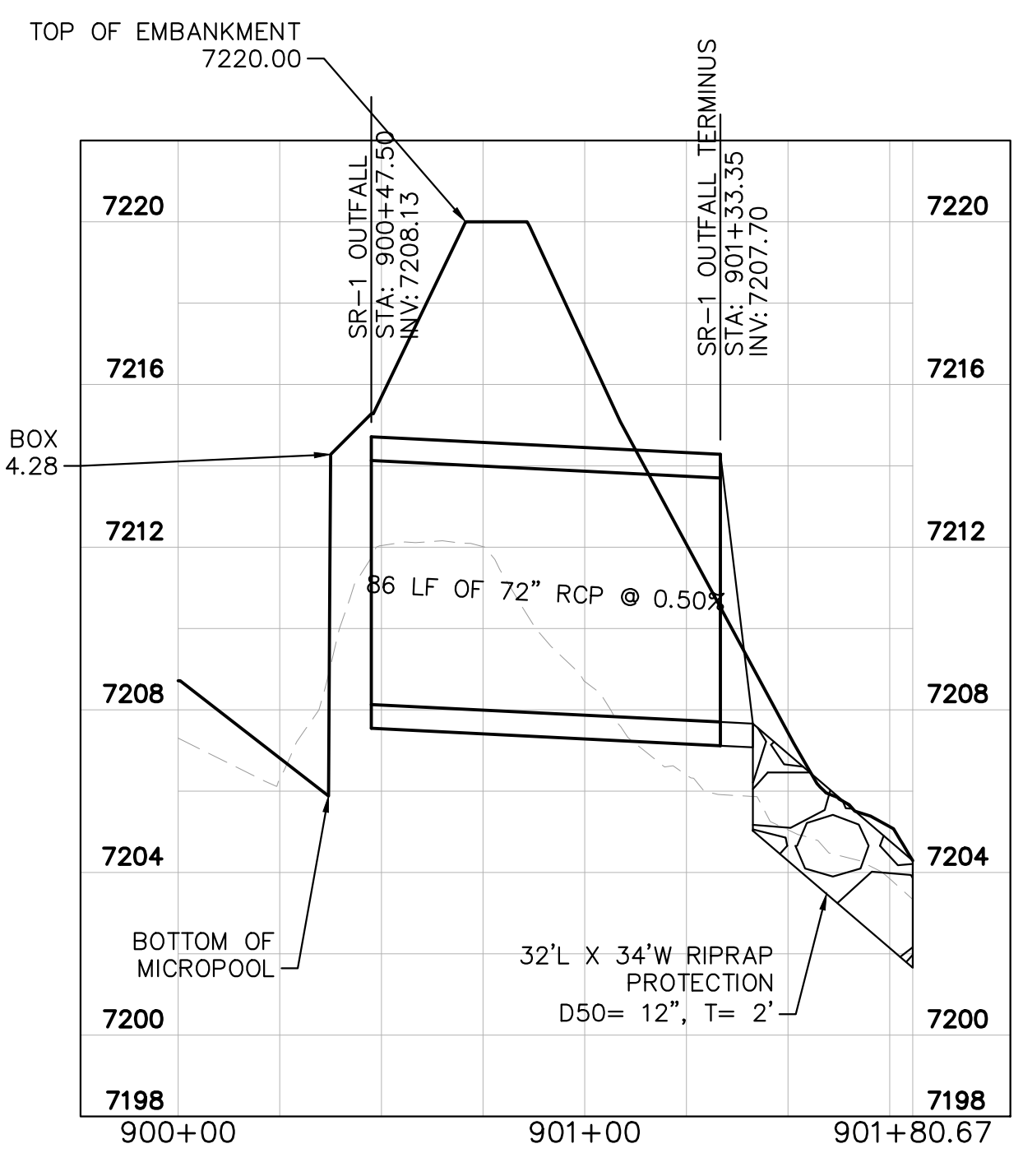
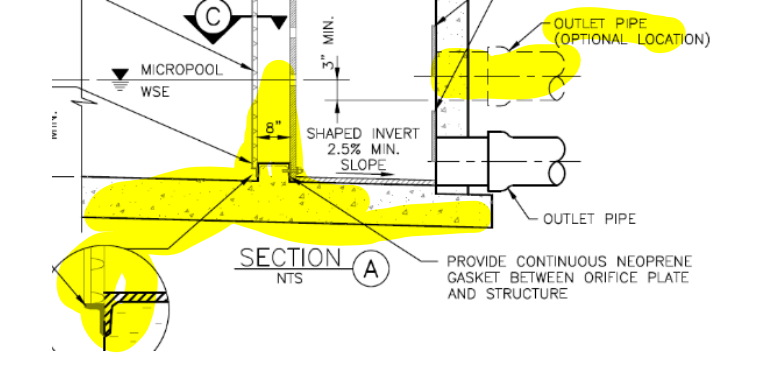
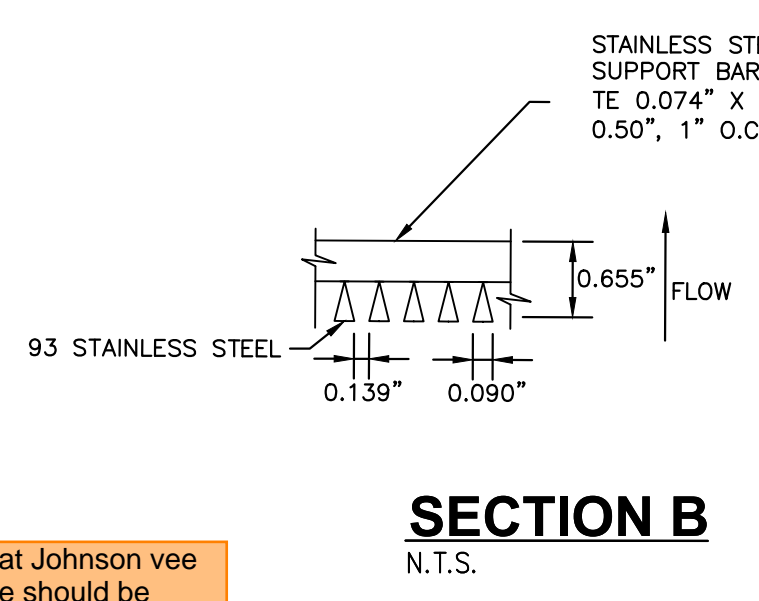
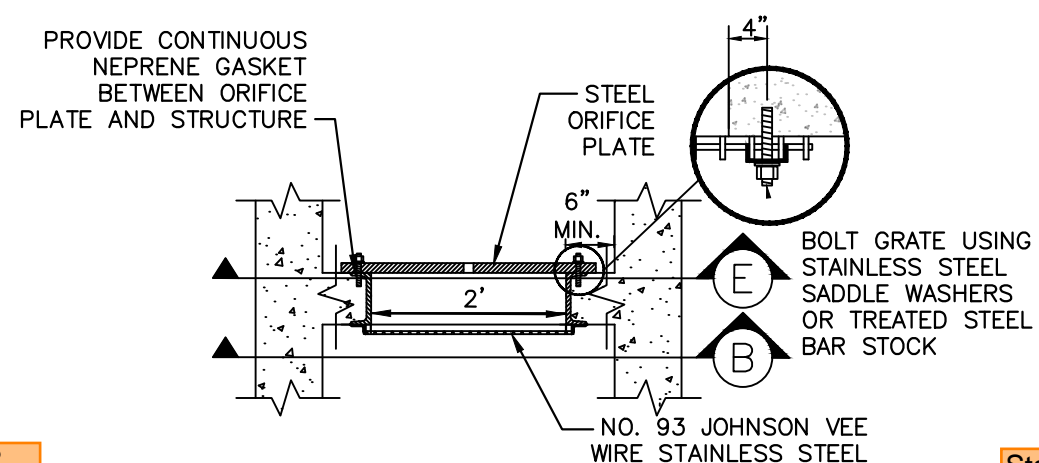
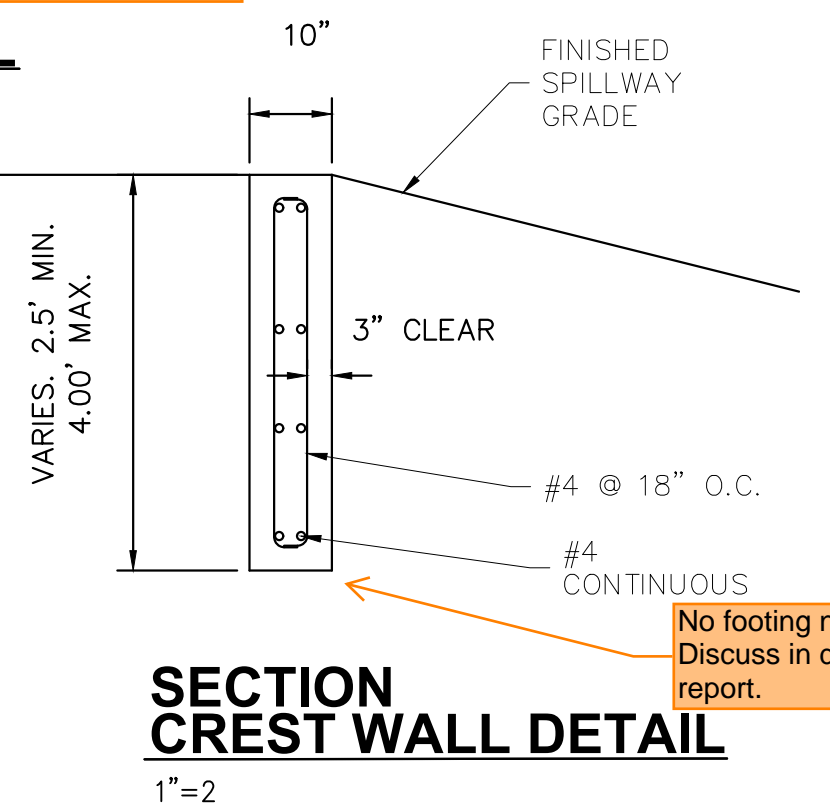
1. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
2. BOLT PLATE TO CONCRETE 12" MAX. ON CENTER. WITH A PLATE THICKNESS OF 0.25".

EURV AND WQCV TRASH RACKS

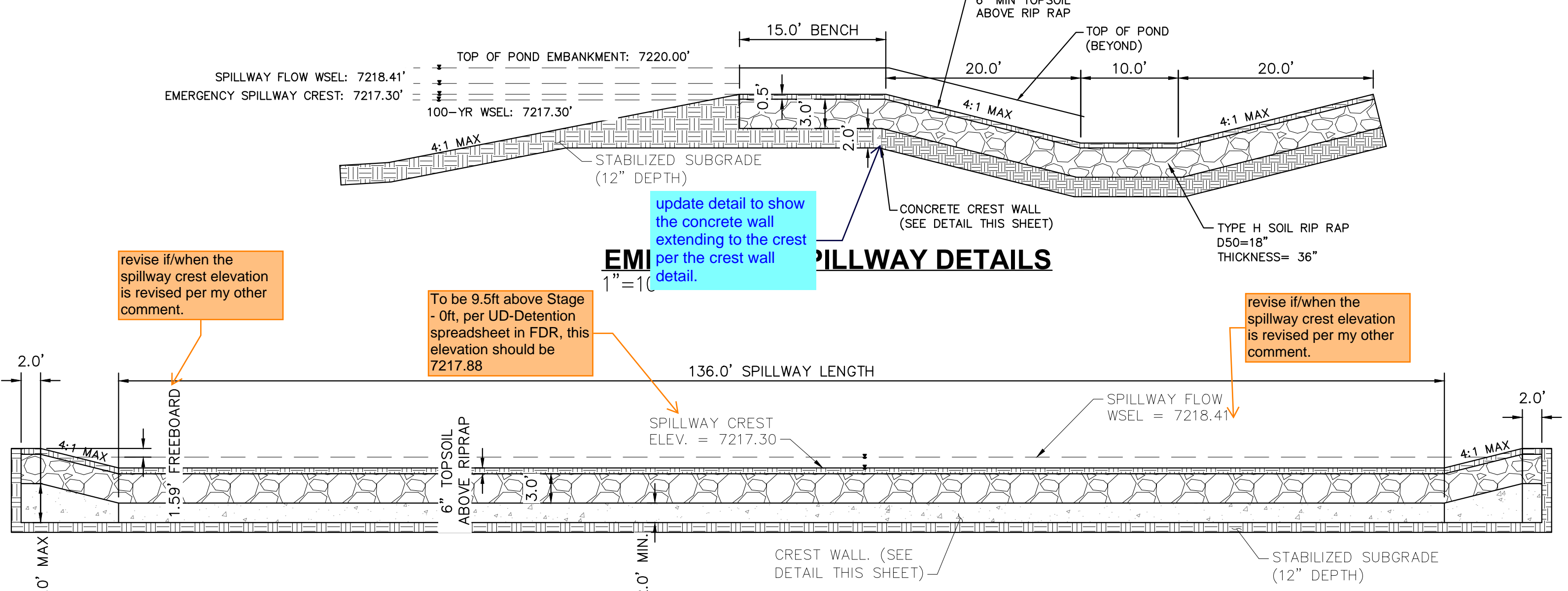
1. WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
2. BAR GATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
3. TRASH RACK OPEN AREAS ARE FOR SPECIFIED TRASH RACK MATERIALS. TOTAL TRASH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

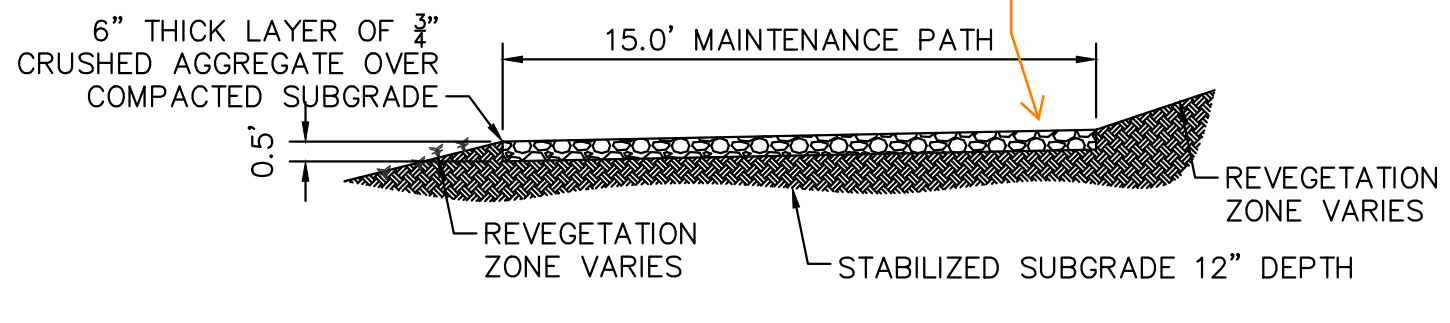
1. ALL SAFETY GRATES SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED AND LOCKABLE OR BOLTABLE ACCESS PANELS.
2. SAFETY GRATES SHALL BE STAINLESS STEEL, ALUMINUM, OR STEEL. STEEL GRATES SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
3. SAFETY GRATES 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.



SR-1 OUTFALL PROFILE (2)
1"=40'

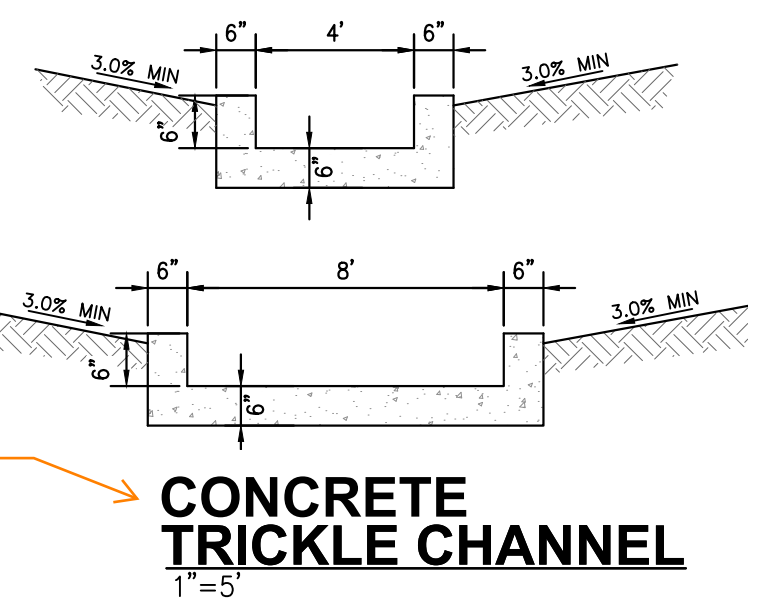


EMERGENCY SPILLWAY
1"=10'



MAINTENANCE ROAD
1"=5'

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

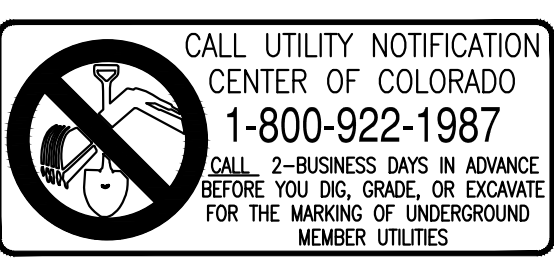


CONCRETE TRICKLE CHANNEL
1"=5'

OUTLET SIGNAGE
N.T.S.

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

Include callout for pet waste station(s) around the pond, with signage stating that pet waste must be picked up.



NO.	REVISION	BY	DATE	APPR

Kimley»Horn
2022 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: 12/23/2023

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
SUB-REGIONAL POND DETAILS (SR1)

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION

Kimley»Horn
Kimley-Horn and Associates, Inc.

PROJECT NO.
196106001

SHEET
37

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDs_CD_PND-SUB.dwg Schmelbach, Ryan 12/23/2022 10:06 AM

ORIFICE PLATE NOTES

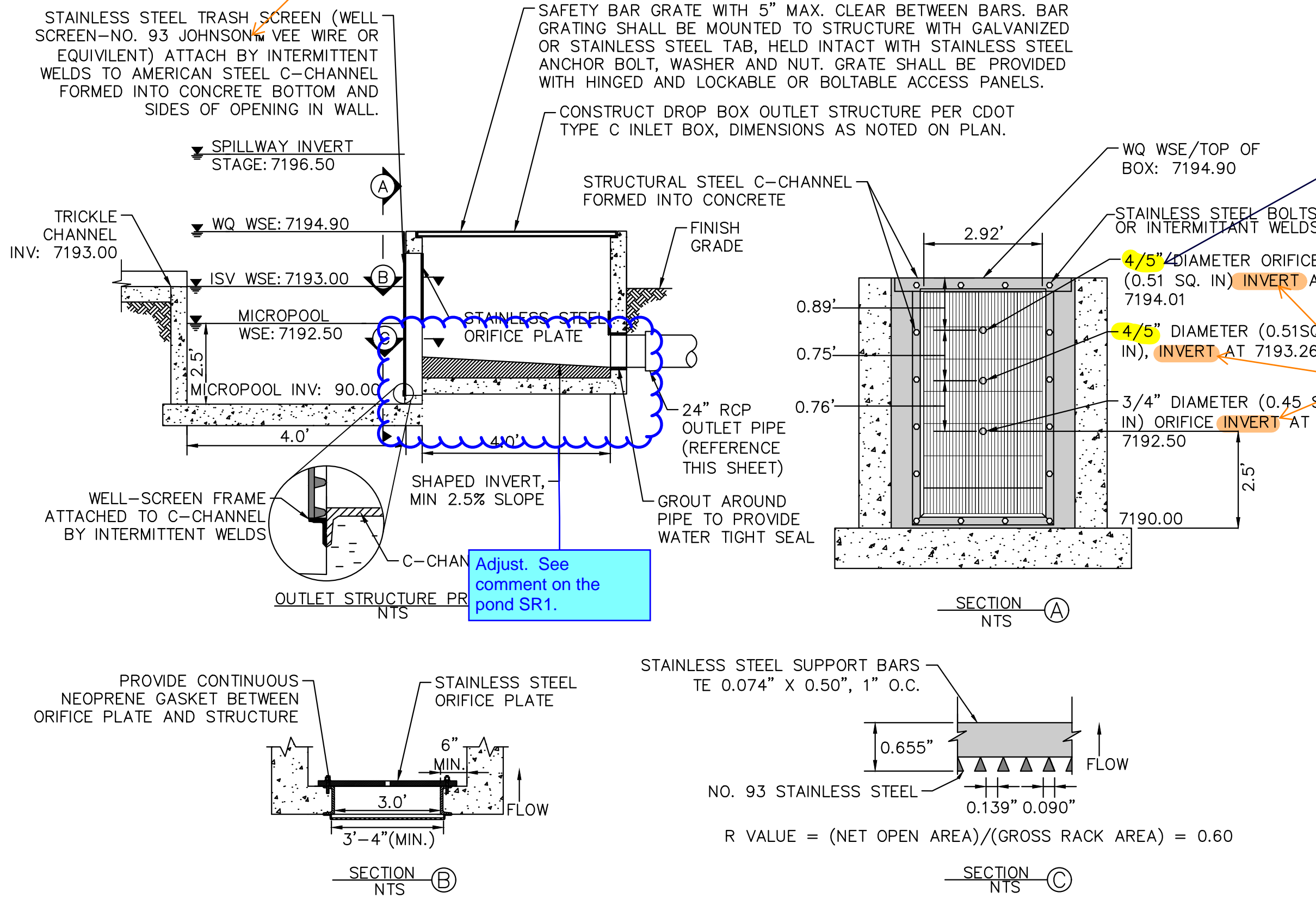
1. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
2. BOLT PLATE TO CONCRETE 12" MAX. ON CENTER, WITH A PLATE THICKNESS OF 0.25".

WELL-SCREEN TRASH RACKS

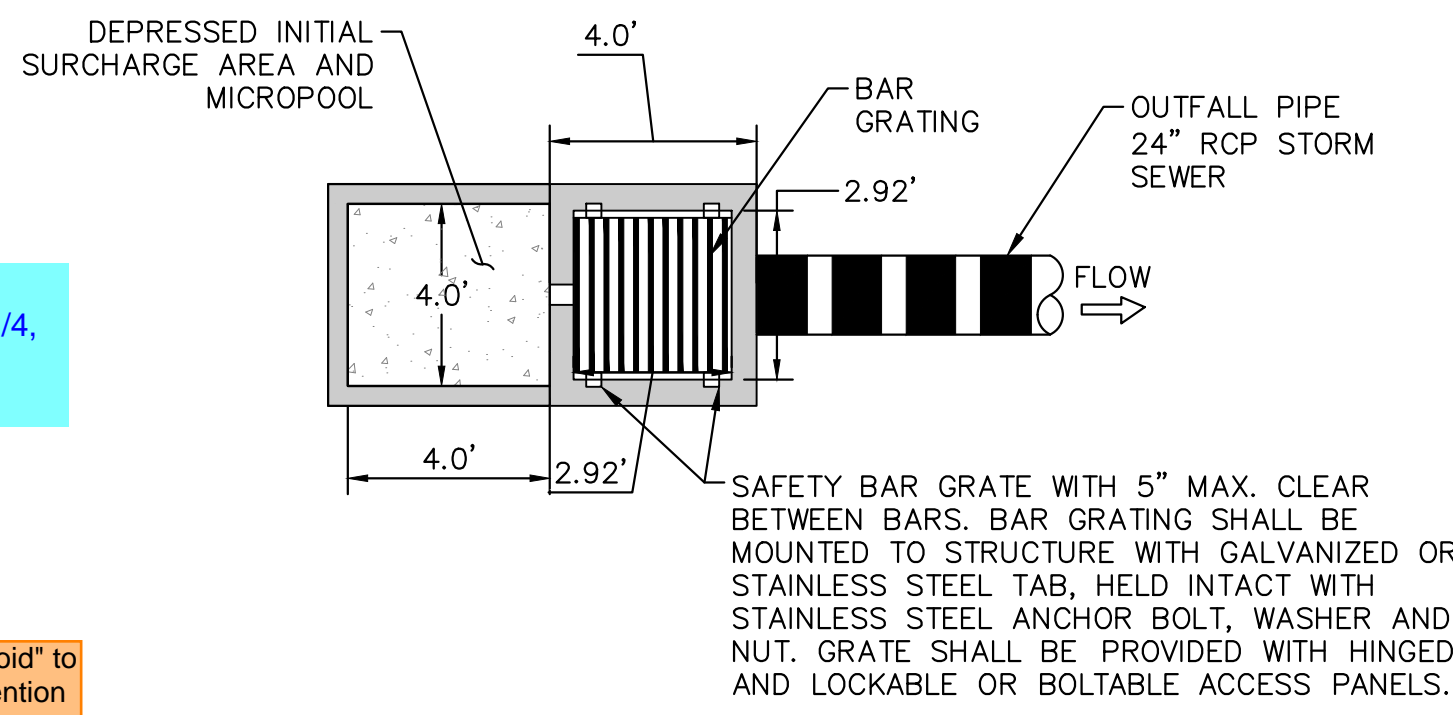
1. WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
2. BAR GATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
3. TRASH RACK OPEN AREAS ARE FOR SPECIFIED TRASH RACK MATERIALS. TOTAL TRASH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

OVERFLOW SAFETY GRATES

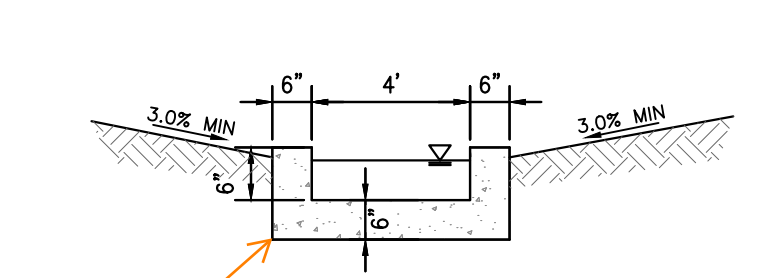
1. ALL SAFETY GRATES SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED AND LOCKABLE OR BOLTABLE ACCESS PANELS.
2. SAFETY GRATES SHALL BE STAINLESS STEEL, ALUMINUM, OR STEEL. STEEL GRATES SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
3. SAFETY GRATES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



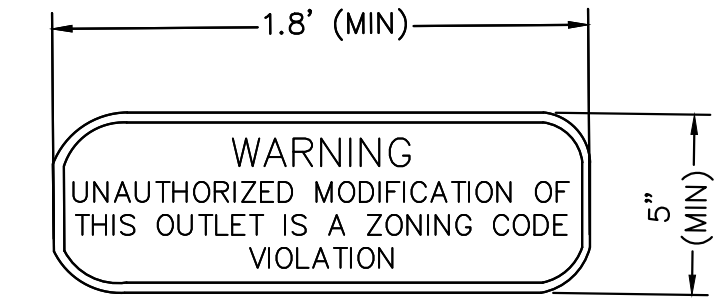
OUTLET STRUCTURE PROFILE DETAIL
N.T.S.



OUTLET STRUCTURE PLAN VIEW DETAIL
N.T.S.



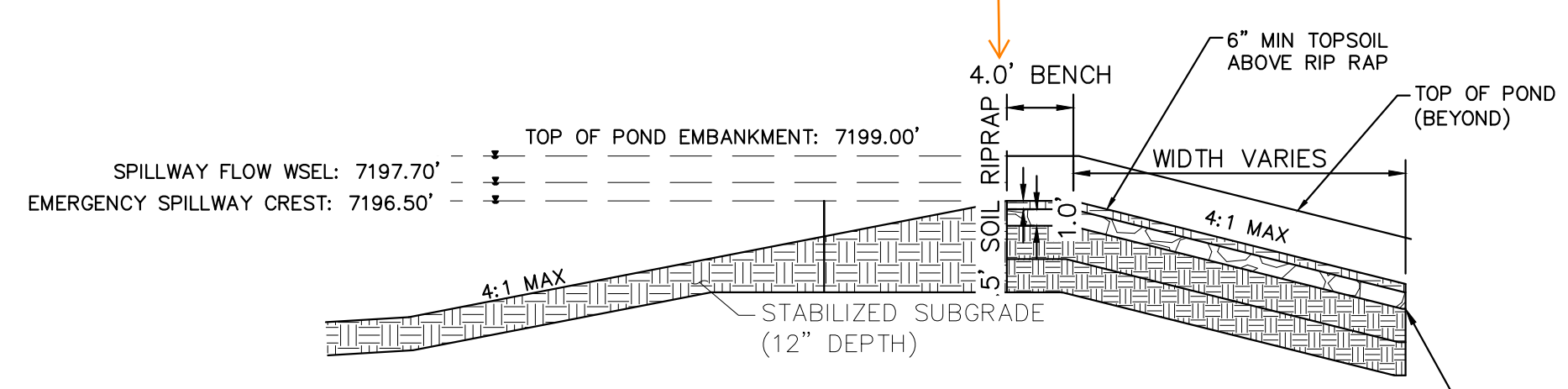
CONCRETE TRICKLE CHANNEL
1"=5"



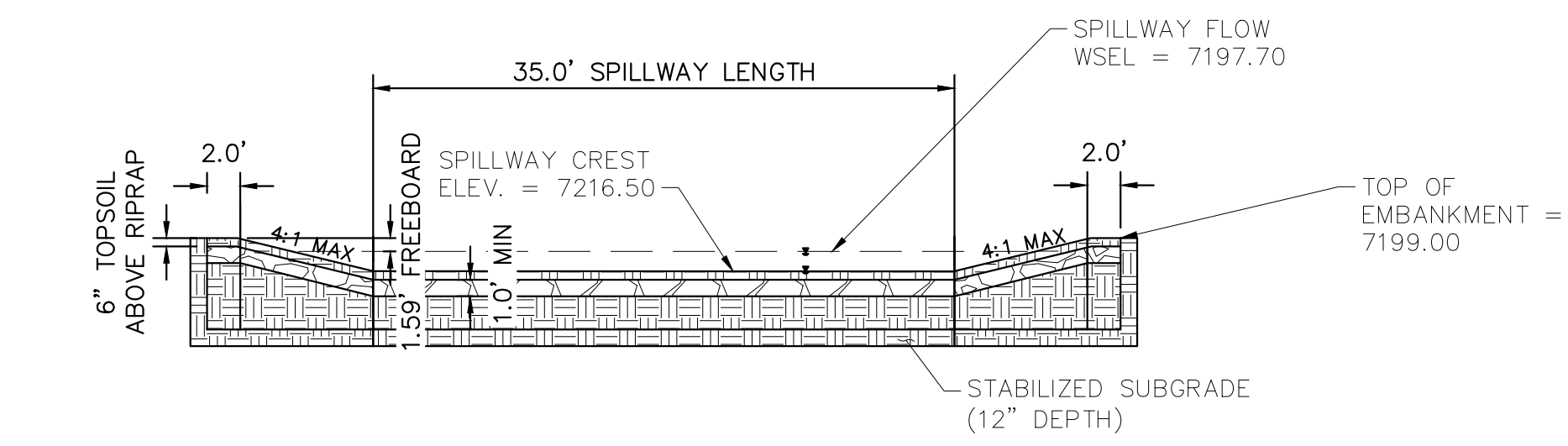
OUTLET SIGNAGE
N.T.S.

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

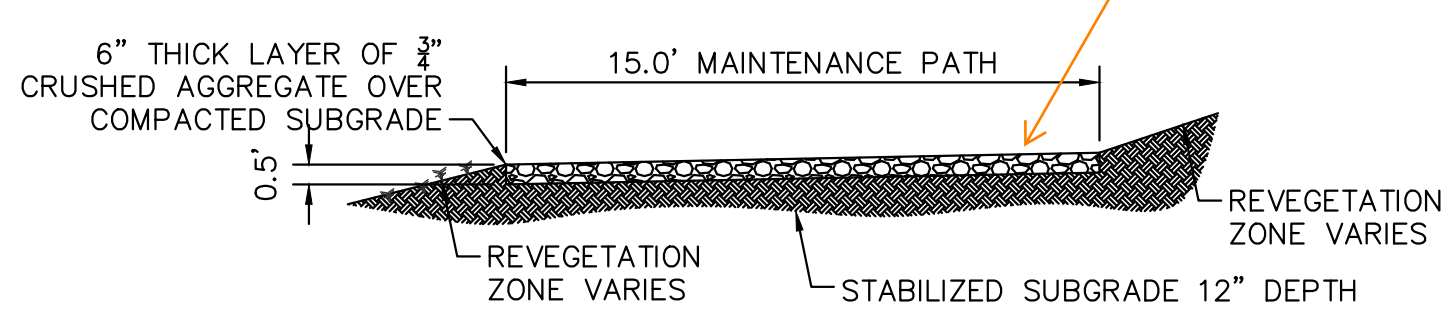
Include callout for pet waste station(s) around the pond, with signage stating that pet waste must be picked up.



EMERGENCY SPILLWAY DETAILS
1"=10"

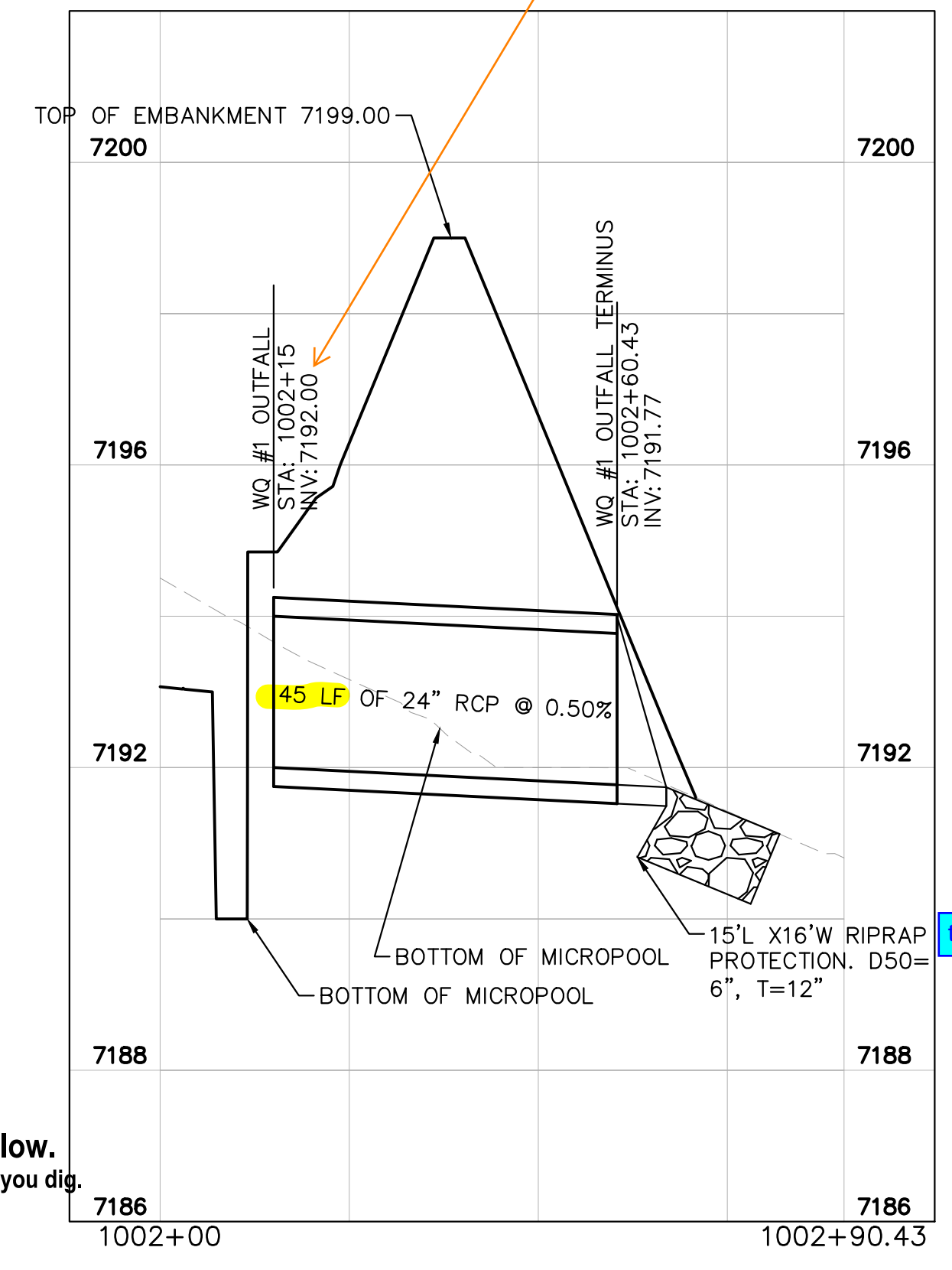


EMERGENCY SPILLWAY
1"=10"



MAINTENANCE ROAD
1"=5"

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



WATER QUALITY #1 OUTFALL
1"=20"

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

State that Johnson vee wire type should be installed with exterior bars in the vertical orientation.

Use standard fractional sizing (1/4, 1/2, 1/8 or 1/16 increments).

revise to "centroid" to match UD-Detention spreadsheet. Elevations are good as is.

Show/label steps in the outlet structure.

Consider having control joints every -10ft.

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.

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDs_PND-W01.dwg Schmelbach, Ryan 12/23/2022 10:06 AM

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

Kimley-Horn
2022 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: 12/23/2023

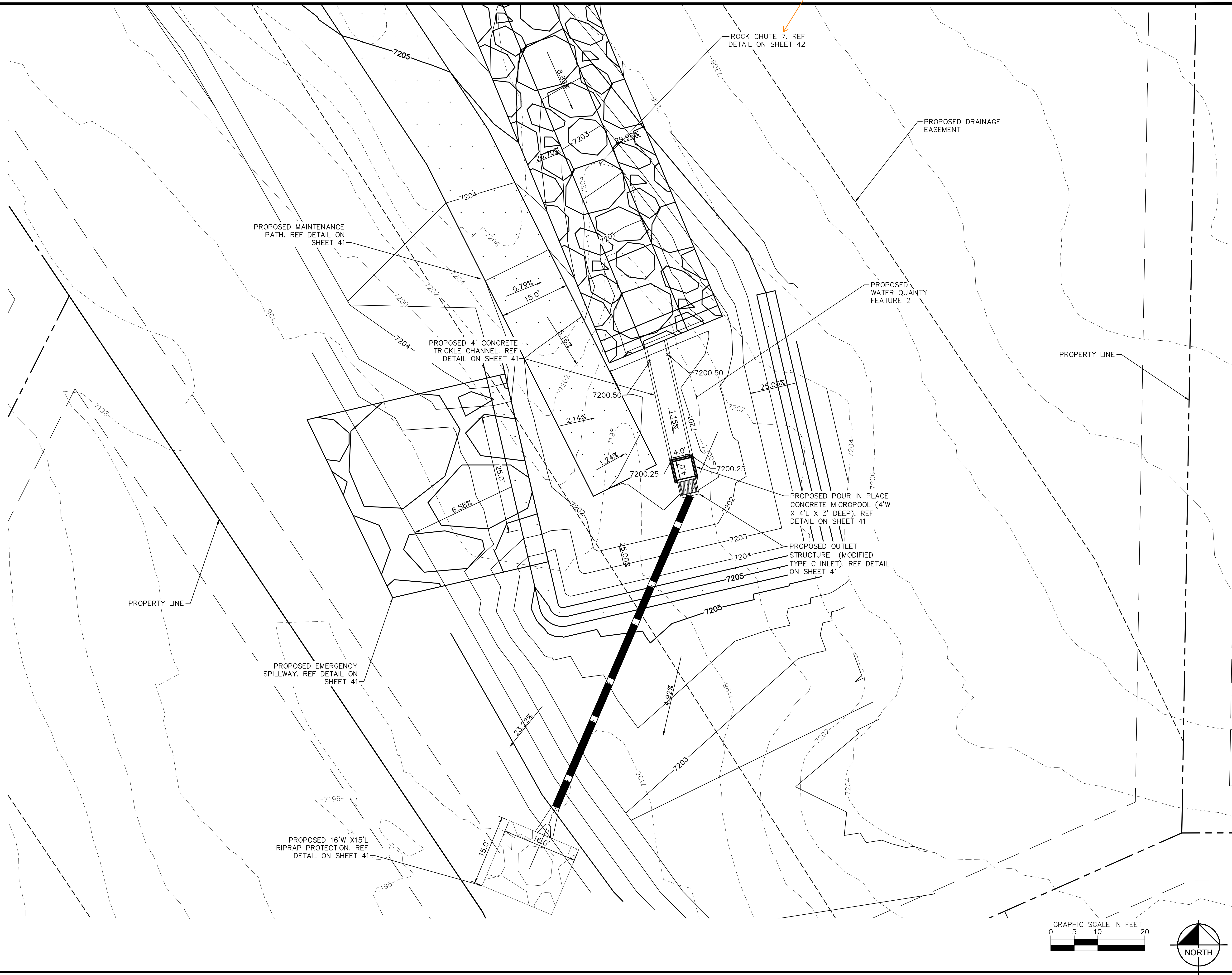
EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
WATER QUALITY POND #1 DETAILS

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

PROJECT NO.
196106001
SHEET
39

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDs_CD_PND-W02.dwg Schmelbach, Ryan 12/23/2022 10:07 AM

Check all Rock Chute #'s on plans. And then revise plans and the table on Sht 42. For example, I think this should actually be #6.



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

GRAPHIC SCALE IN FEET 0 5 10 20

NORTH

NO.	REVISION	BY	DATE

Kimley»Horn
2022 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: 12/23/2023

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

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION

Kimley»Horn
Kimley-Horn and Associates, Inc.

PROJECT NO.
196106001

SHEET
40

ORIFICE PLATE NOTES

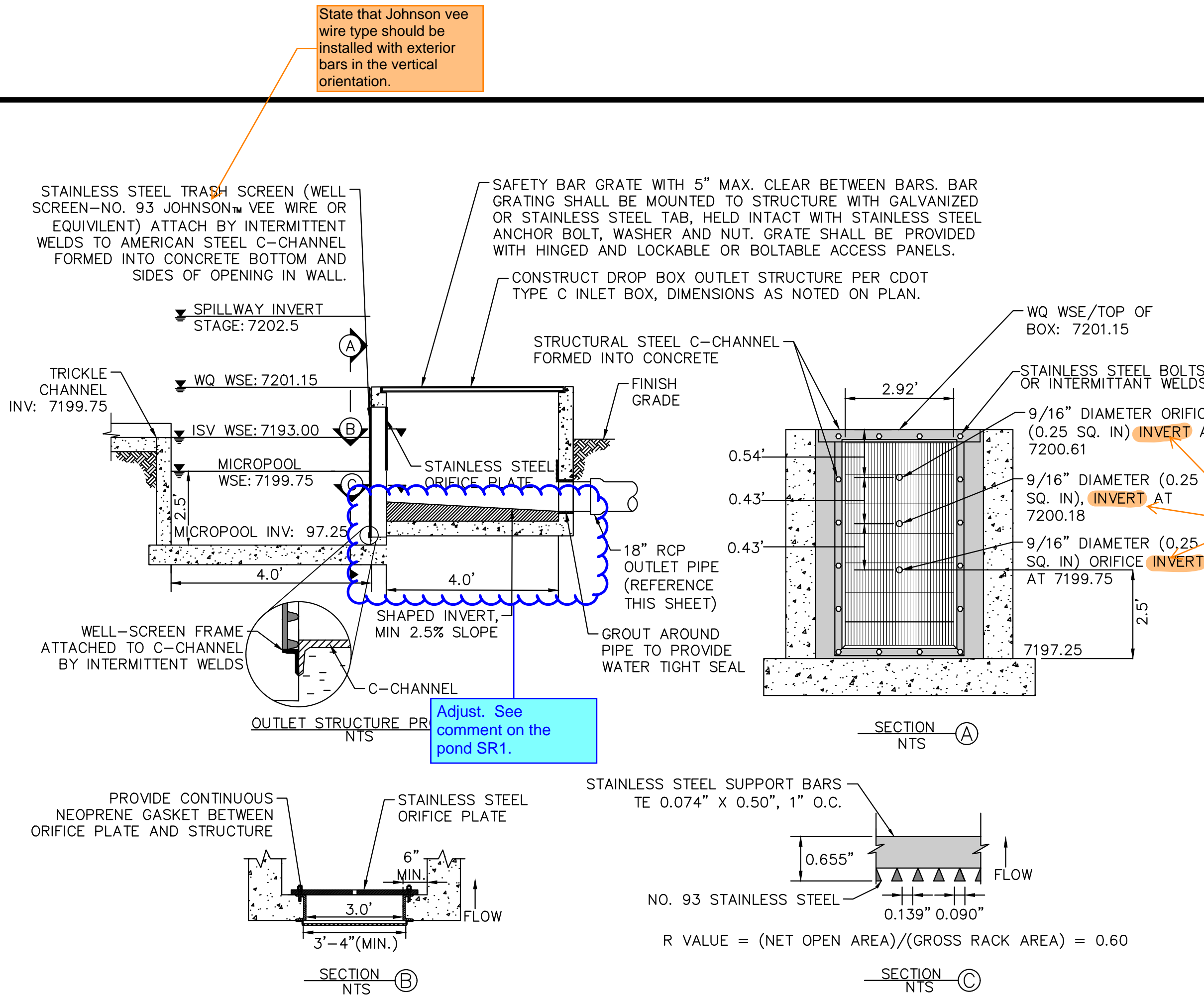
1. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
2. BOLT PLATE TO CONCRETE 12" MAX. ON CENTER, WITH A PLATE THICKNESS OF 0.25".

WQV 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.

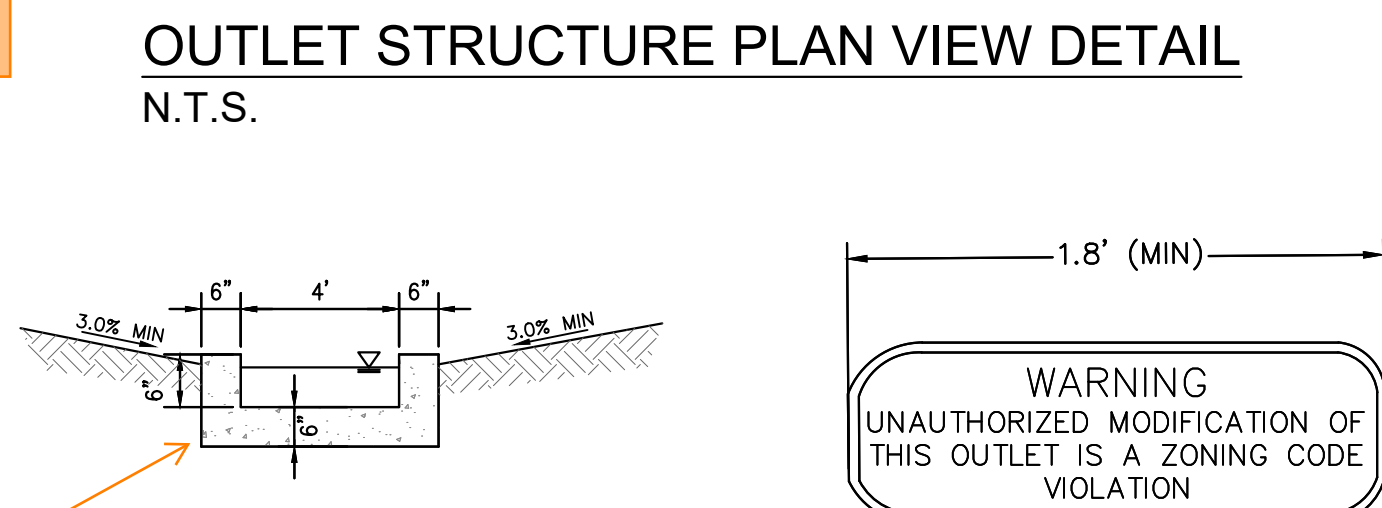
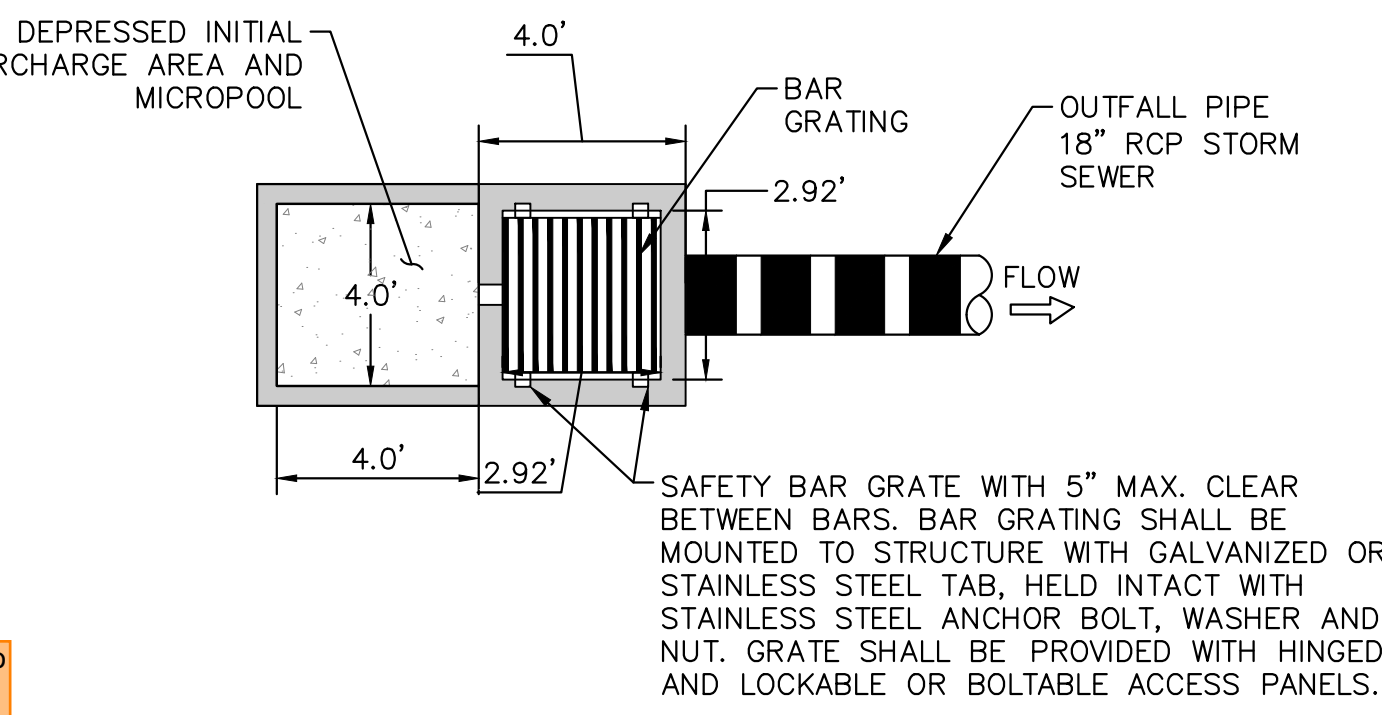


State that Johnson vee wire type should be installed with exterior bars in the vertical orientation.

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

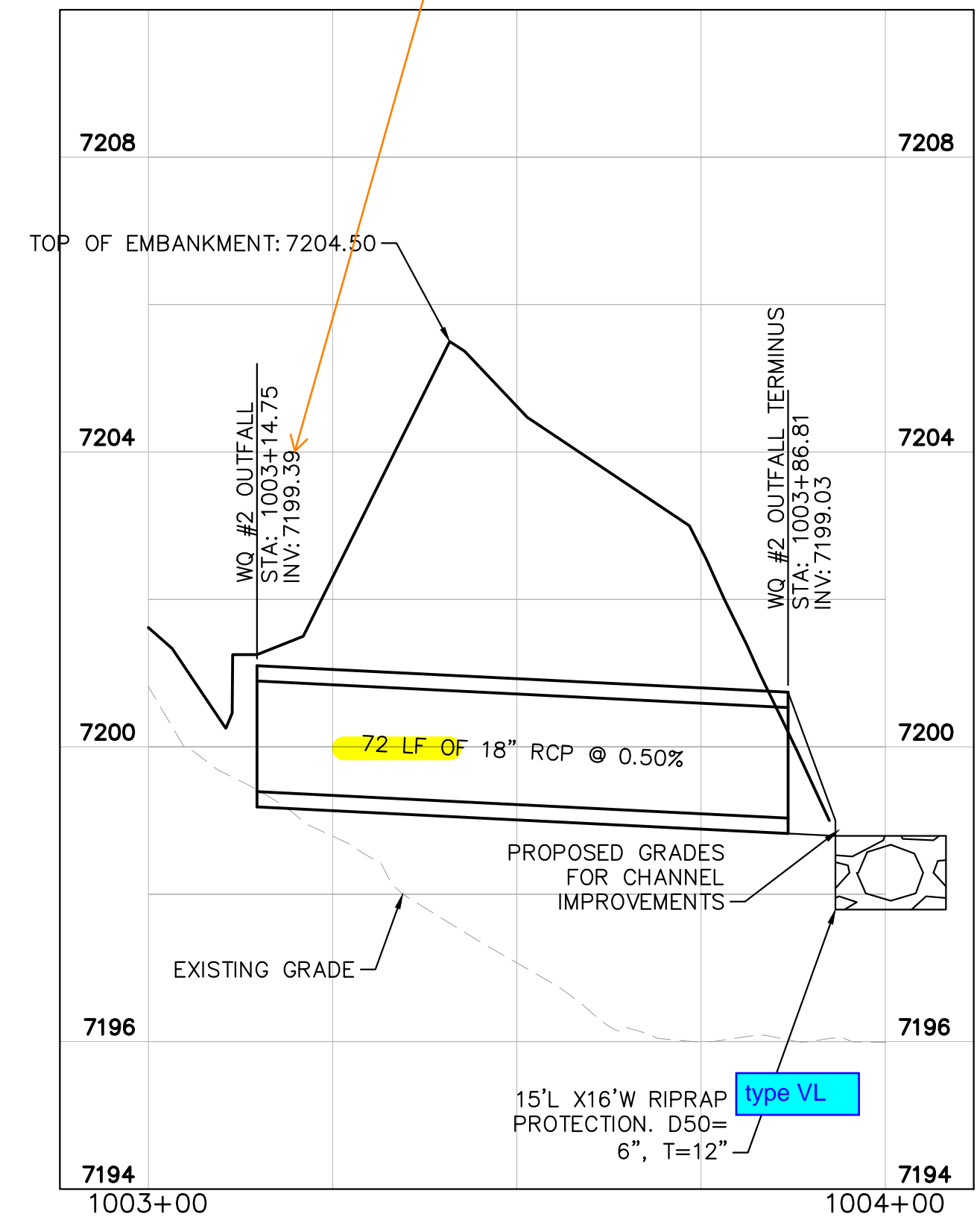
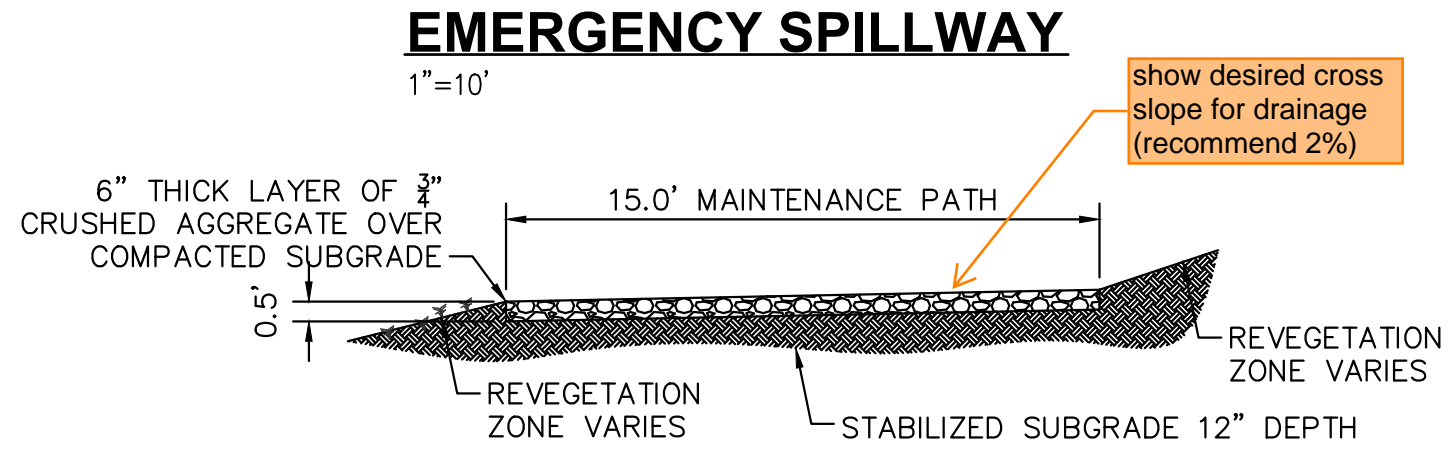
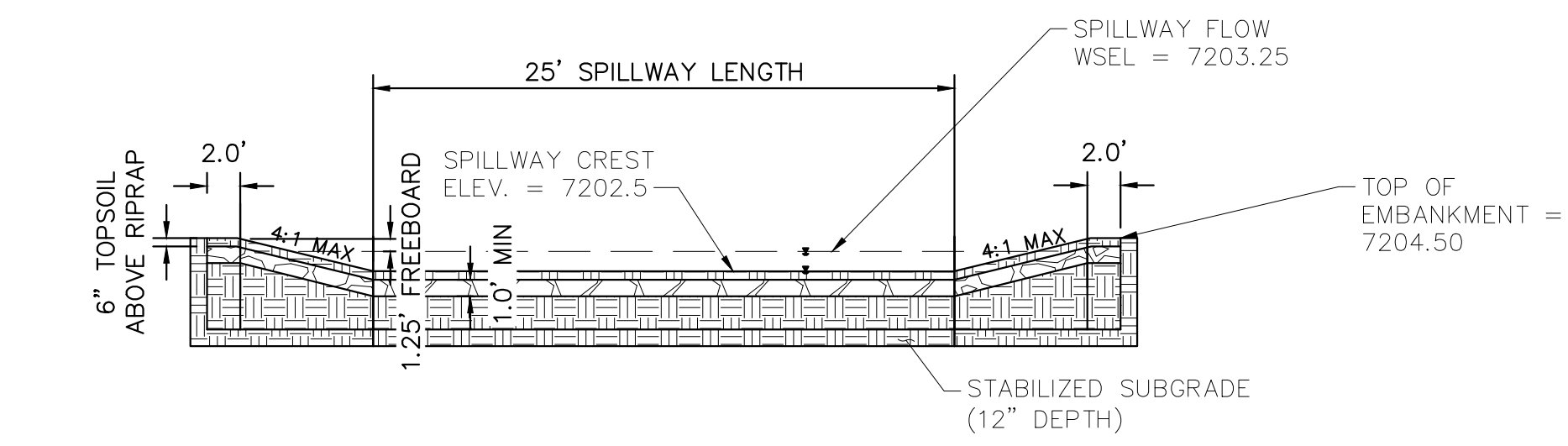
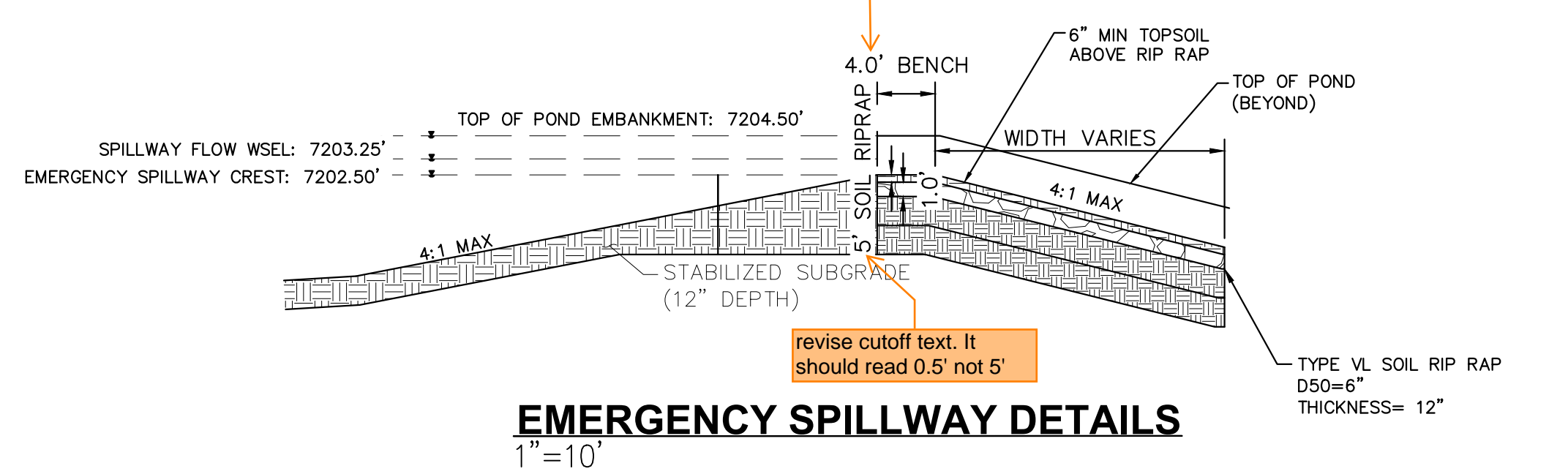
revise to "centroid" to match UD-Detention spreadsheet. Elevations are good as is.

Consider having control joints every ~10ft.



OUTLET STRUCTURE PROFILE DETAIL N.T.S.

Show/label steps in the outlet structure.



NO.	REVISION	BY	DATE	APPR

Kimley»Horn
 2022 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

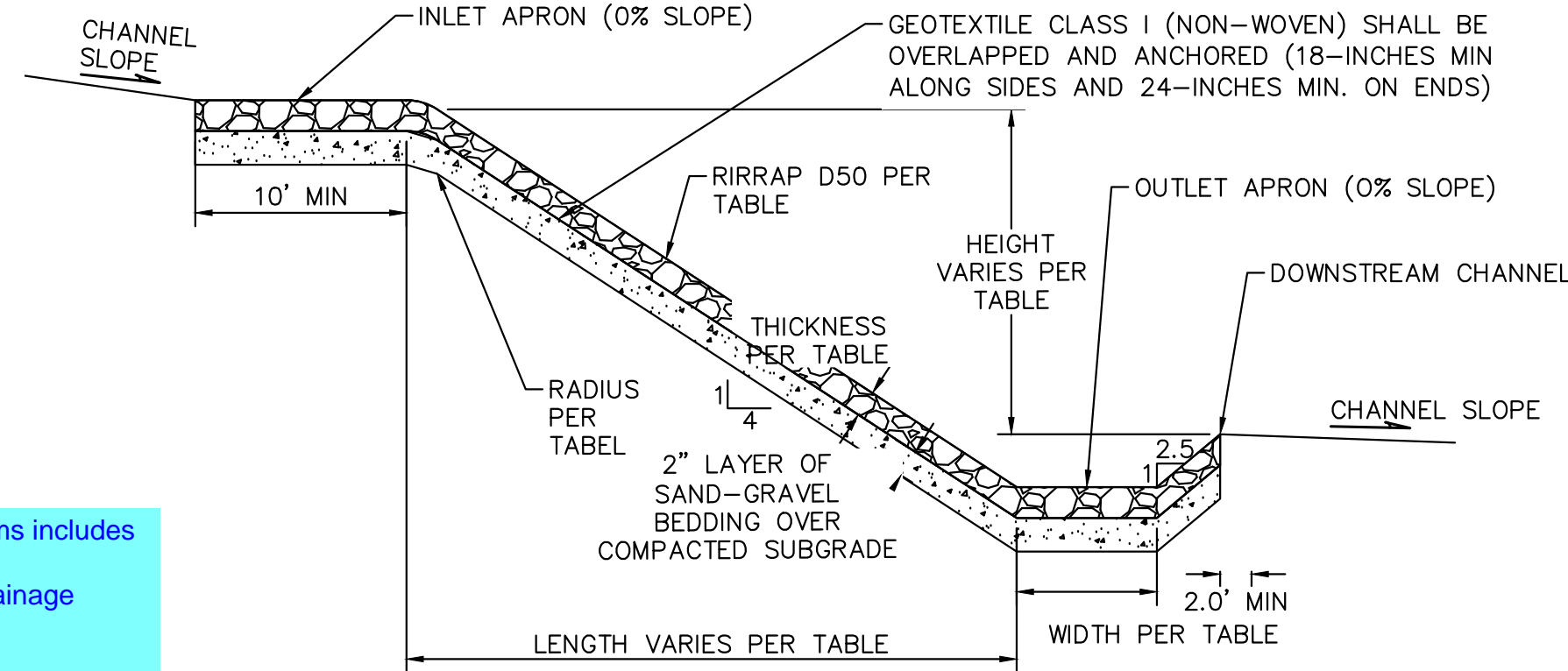
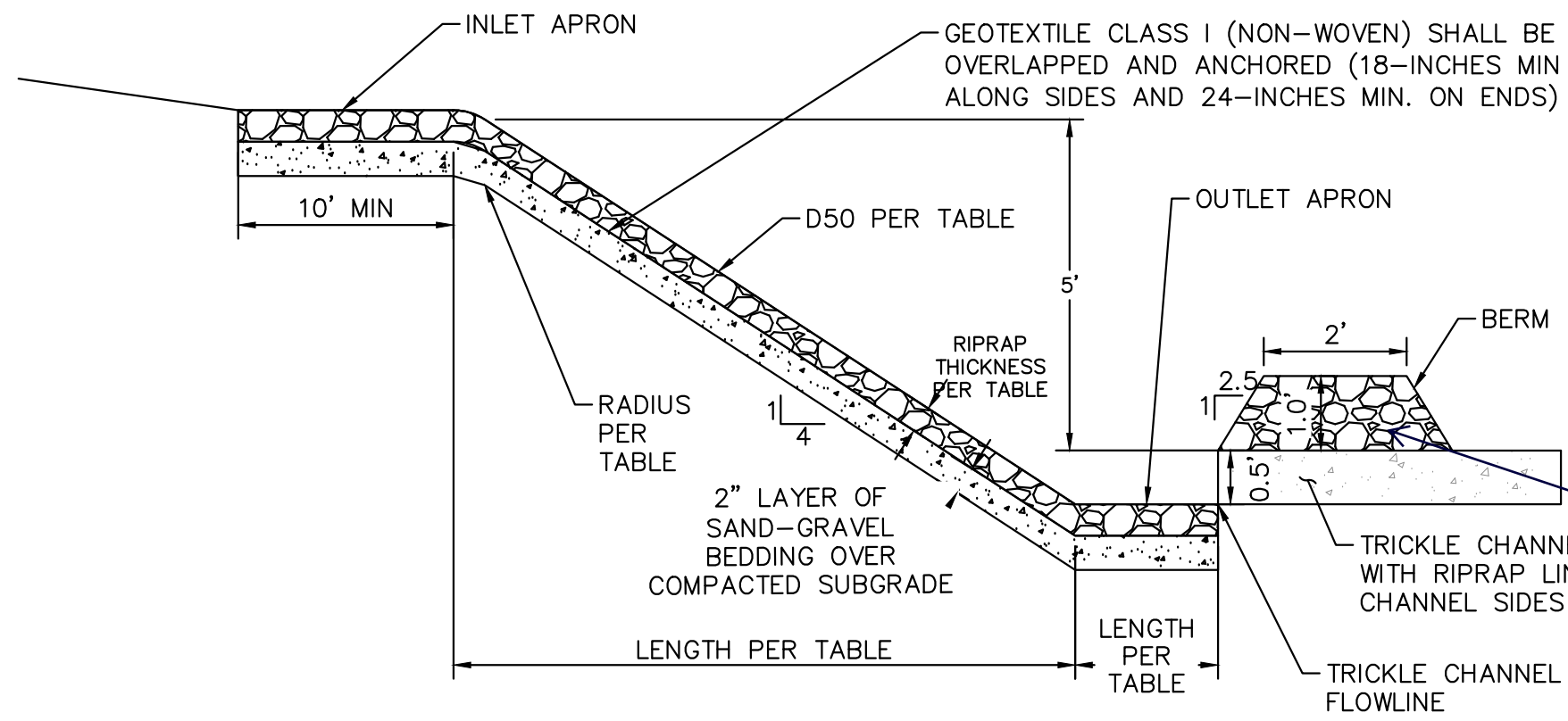
DESIGNED BY: MJK
 DRAWN BY: MJK
 CHECKED BY: KRK
 DATE: 12/23/2023

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

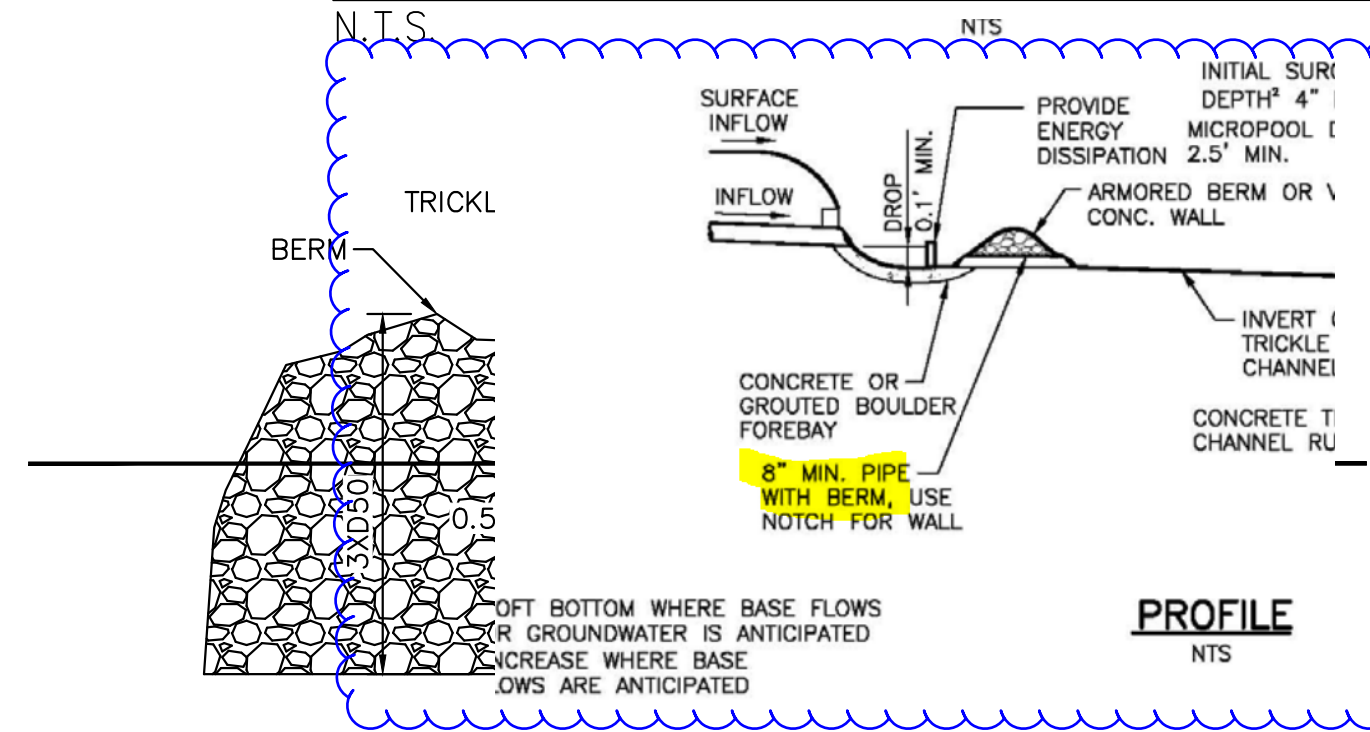
PRELIMINARY
 FOR REVIEW ONLY
 NOT FOR CONSTRUCTION
Kimley»Horn
 Kimley-Horn and Associates, Inc.

PROJECT NO.
 196106001
 SHEET
 41

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDs_CD_PND-WQ2.dwg Schmelbach, Ryan 12/23/2022 10:07 AM



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



forebay if the watershed is not fully developed.

The forebay outlet should be sized to release 2% of the undetained peak 100-year discharge. A soil riprap berm with 3:1 sideslopes (or flatter) and a pipe outlet or a concrete wall with a notch outlet should be constructed between the forebay and the main EDB. It is recommended that the berm/pipe configuration be reserved for watersheds in excess of 20 impervious acres to accommodate the minimum recommended pipe diameter of 8 inches. When using the berm/pipe configuration, round up to the nearest standard pipe size and use a minimum diameter of 8 inches. The floor of the forebay should be concrete or lined with grouted boulders to define sediment removal limits. With either configuration, soil riprap should also be provided on the downstream side of the forebay berm or wall if the downstream grade is lower than the top of the berm or wall. The forebay will overtop frequently so this protection is necessary for erosion control. All soil riprap in the area of the forebay should be seeded and erosion control fabric should be placed to retain the seed in this high flow area.

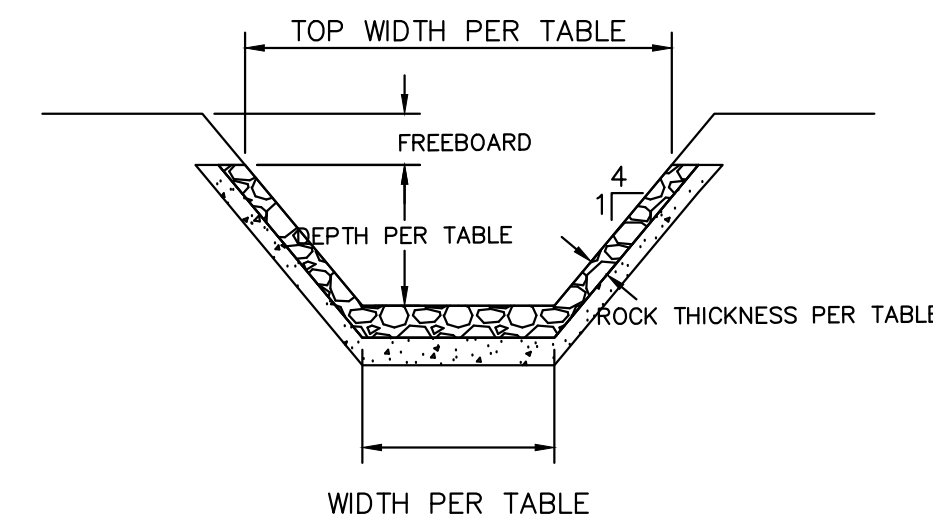
ROCK CHUTE PROFILE- CROSS SECTION

N.T.S.

Note the recommended use of the berm/pipe configuration is for tributary areas with >20acs of impervious surface which none of the forebays have.

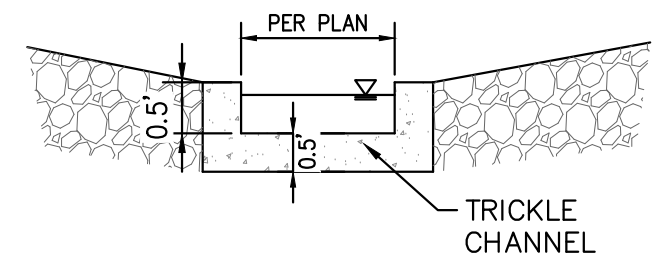
All rock chutes to be utilized as forebays should have grout in the forebay bottoms or revise to concrete.

Add soil riprap and/or make the downstream berm slope more gradual to minimize erosion.



ROCK CHUTE PROFILE- INTO POND/FOREBAY APPLICATION

N.T.S.



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

N.T.S.

Rock Chute ID	Rock Chute Location	Contributing Basins	Q100 Flow (cfs)	Upstream Inlet Apron Length (ft)	Drop (ft) (Inlet Apron to Outlet Apron)	Chute Length (ft)	Downstream Outlet Apron Length (ft)	Chute Width (ft)	D50 (in)	Rock Chute Thickness (in)	Radius (ft)	Rock Chute Depth* (ft)	Top Chute Width** (ft)
1	PB9	PB9(70%), OB6, OB7	415	20	9	45	29	22	24	48	67	4.0	54
2	PB8	PB8 (70%), OB5	128	10	17	68	18	22	18	36	50	2.5	42
3	PB8	PB8 (40%), OB5	120	12	8	40	19	14	18	36	50	3.0	38
4	PB8	PB8 (30%)	10	10	4	12	7	14	6	12	17	1.5	26
5	PB8	Undetained 100YR Pond Inflow	490	23	7	175	13	20	12	24	33	5.0	60
6	PB14	OB8, PB11, PB14 (10%)	85	11	7	64	15	10	18	36	50	3.0	34
7	PB15	PB6, PB7, PB15(55%)	43	10	6	24	13	14	12	24	33	2.0	30
8	PB15	OB2, OB3, OB4, PB3, PB4, PB5, PB15 (10%)	185	14	5	20	23	18	24	48	67	3.5	46
9	PB10	PB10 (20%)	4	10	9	30	9	2	9	18	25	2.0	18

Rock Chute 5 not seen in Basin PB8 on Sht 36.

It appears that the other non-roadway and non-pond area (let's say 50%) of PB10 is also conveyed to this Rock Chute. Those flows will mix with the untreated flows from the roadway and therefore need to be treated in the forebay. So upsize the forebay accordingly.

K:\COS_Civil\196288000_Eagleview\CADD\PlanSheets\CDS\CD_ROCK CHUTE DTL.dwg Schmelbach, Ryan 12/23/2022 10:08 AM

