

A PORTION OF SECTIONS 13 AND 24, TOWNSHIP 11 SOUTH, RANGE 65 SOUTH, AND
A PORTION OF THE WEST HALF SECTON 19, TOWNSHIP 11 SOUTH, RANGE 64 WEST OF THE 6TH P.M
COUNTY OF EL PASO, STATE OF COLORADO

Plotted By:Kofford, Kevin
 Sheet Set: WINSOME P2
 Layout: COVER
 February 18, 2021 12:34:14pm
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Plotted By:Koford, Kevin Sheet Set:WINSOME P2 Layout:GENERAL NOTES February 18, 2021 12:34:16pm K:\DEN Civil\196106000-Winsome P2\CADD\PlanSheets\0196106000-CV.dwg K:\DEN Civil\196106000-Winsome P2\CADD\PlanSheets\0196106000-CV.dwg
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GENERAL CONSTRUCTION NOTES

- ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE EL PASO COUNTY DRAINAGE CRITERIA MANUAL 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)
 - EL PASO COUNTY DRAINAGE CRITERIA MANUAL
 - COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
- 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 PAVEMENT.
- SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY CRITERIA AND MUTCD CRITERIA.
- CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY CRITERIA, 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONDITIONS AT AND ADJACENT TO THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NOMAL WORKING HOURS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL ADJACENT IMPROVEMENTS FROM DAMAGE DURING CONSTRUCTION. ALL DISTURBED AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION UNLESS NOTED ON THE PLANS.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES. CONTRACTOR SHALL CONTACT UTILITY NOTIFICATION CENTER OF COLORADO (1-800-922-1987) FOR LOCATION OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- CONSTRUCTION DEBRIS OR MUD TRACKING IN THE PUBLIC RIGHT OF WAY RESULTING FROM THIS DEVELOPMENT SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
- THE EXISTING CONDITIONS AND PROPOSED IMPROVEMENTS AS SHOWN ON THESE CONSTRUCTION DOCUMENTS ARE BASED ON:
 - EXISTING TOPOGRAPHIC INFORMATION OBTAINED FROM EL PASO COUNTY LICENSED GIS DATA SERVICE. LIDAR DATA DATED 2011
 - ADDITIONAL SURVEY INFORMATION COMPILED BY EDWARD JAMES SURVEYING AUGUST, 2018
 - PRELIMINARY PLAN PREPARED BY NES DATED 5/10/2018
 - SUBDIVISION PLAT PREPARED BY EDWARD JAMES SURVEYING DATED XX/XX/XXX
 - NATURAL FEATURES AND WETLAND REPORT PREPARED BY ECOSYSTEM SERVICES DATED 10/1/2018
 - SOILS INVESTIGATION PREPARED BY ENTECH DATED XX/XX/20XX
 - TRAFFIC IMPACT STUDY PREPARED BY KELLAR ENGINEERING DATED 1/9/2020
- STRAIGHT GRADE SHALL BE MAINTAINED BETWEEN CONTOUR LINES AND SPOT ELEVATIONS UNLESS OTHERWISE SHOWN ON THE PLANS.
- ALL DEBRIS AND FOREIGN MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT APPROVED DISPOSAL SITES. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS FOR THE TRANSPORTATION OF MATERIAL TO AND FROM THE SITE.
- DIMENSIONS TO PIPELINES ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
- CONSTRUCTION STAKING FOR IMPROVEMENTS SHOWN IN THESE PLANS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR.
- ALL DIMENSIONS ARE IN FEET OR DECIMALS THEREOF.
- SPOT GRADES ARE TO FLOWLINE OR FINISH PAVEMENT GRADE UNLESS OTHERWISE NOTED.
- CONTRACTOR TO BE AWARE OF ALL OVERHEAD LINES AT ALL TIMES, SO AS NOT TO DISTURB THEM.

update dates.

Update notes to match the attached standard notes for El Paso County Construction Plans

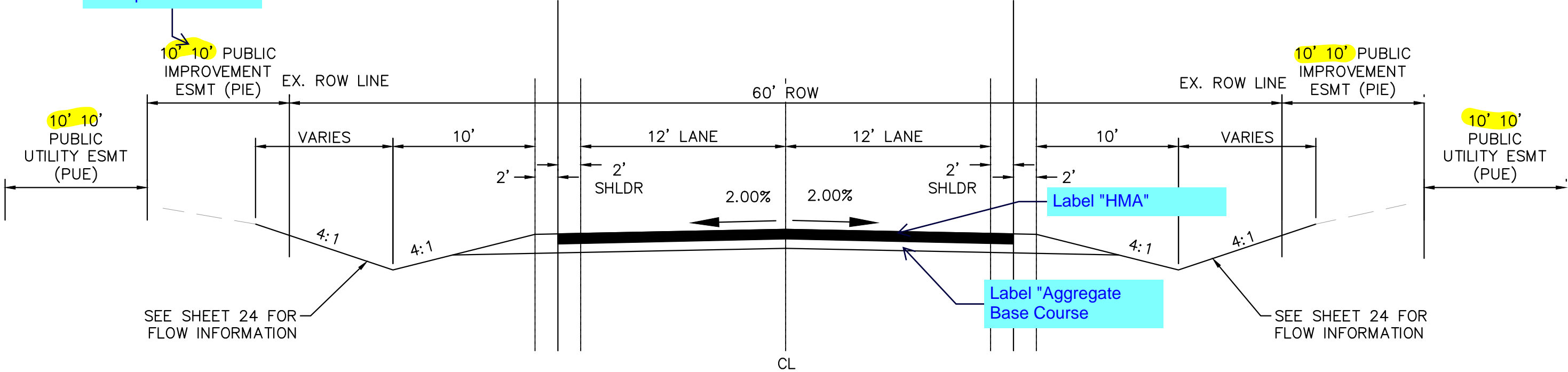
EL PASO COUNTY GRADING AND EROSION CONTROL PLAN NOTES

- STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF SITE WATERS, INCLUDING WETLANDS.
- NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS TO REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
- A SEPARATE STORMWATER MANAGEMENT PLAN (SWMP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. DURING CONSTRUCTION THE SWMP IS THE RESPONSIBILITY OF THE DESIGNATED STORMWATER MANAGER, SHALL BE LOCATED ON SITE AT ALL TIMES AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
- ONCE THE ESQCP HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL BMPs AS INDICATED ON THE GEC. A PRECONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, AND EL PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY DSD INSPECTIONS STAFF.
- SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN 21 CALENDAR DAYS AFTER FINAL GRADING, OR FINAL EARTH DISTURBANCE, HAS BEEN COMPLETED. DISTURBED AREAS AND STOCKPILES WHICH ARE NOT AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS SHALL ALSO BE MULCHED WITHIN 21 DAYS AFTER INTERIM GRADING. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAN 60 DAYS SHALL ALSO BE SEEDED. ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND BMPs SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND ESTABLISHED.
- TEMPORARY SOIL EROSION CONTROL FACILITIES SHALL BE REMOVED AND EARTH DISTURBANCE AREAS GRADED AND STABILIZED WITH PERMANENT SOIL EROSION CONTROL MEASURES PURSUANT TO STANDARDS AND SPECIFICATION PRESCRIBED IN THE DCM VOLUME II AND THE ENGINEERING CRITERIA MANUAL (ECM) APPENDIX I.
- ALL PERSONS ENGAGED IN EARTH DISTURBANCE SHALL IMPLEMENT AND MAINTAIN ACCEPTABLE SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING BMPs IN CONFORMANCE WITH THE EROSION CONTROL TECHNICAL STANDARDS OF THE DRAINAGE CRITERIA MANUAL (DCM) VOLUME II AND IN ACCORDANCE WITH THE STORMWATER MANAGEMENT PLAN (SWMP).
- ALL TEMPORARY EROSION CONTROL FACILITIES INCLUDING BMPs AND ALL PERMANENT FACILITIES INTENDED TO CONTROL EROSION OF ANY EARTH DISTURBANCE OPERATIONS, SHALL BE INSTALLED AS DEFINED IN THE APPROVED PLANS, THE SWMP AND THE DCM VOLUME II AND MAINTAINED THROUGHOUT THE DURATION OF THE EARTH DISTURBANCE OPERATION.
- ANY EARTH DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY REDUCE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME.
- ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE DESIGNED TO LIMIT THE DISCHARGE TO A NON-EROSIVE VELOCITY.
- CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO RUNOFF TO STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
- EROSION CONTROL BLANKETING IS TO BE USED ON SLOPES STEEPER THAN 3:1.
- BUILDING, CONSTRUCTION, EXCAVATION, OR OTHER WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. BMPs MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
- VEHICLE TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFFSITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, AND SAND THAT MAY ACCUMULATE IN THE STORM SEWER OR OTHER DRAINAGE CONVEYANCE SYSTEM AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
- THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.
- NO CHEMICALS ARE TO BE USED BY THE CONTRACTOR, WHICH HAVE THE POTENTIAL TO BE RELEASED IN STORMWATER UNLESS PERMISSION FOR THE USE OF A SPECIFIC CHEMICAL IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING THE USE OF SUCH CHEMICALS, SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
- BULK STORAGE STRUCTURES FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS SHALL HAVE ADEQUATE PROTECTION SO AS TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
- NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE FLOW LINE OF THE CURB AND GUTTER OR IN THE DITCHLINE.
- INDIVIDUALS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT"(TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT"(33 USC 1344), IN ADDITION TO THE REQUIREMENTS INCLUDED IN THE DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, OR COUNTY AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- PRIOR TO ACTUAL CONSTRUCTION THE PERMITEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
- A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
- THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY _____ AND SHALL BE CONSIDERED A PART OF THESE PLANS.
- AT LEAST TEN DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB 1ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN (SWMP), OF WHICH THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:
COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL DIVISION
WOOD -PERMITS
4300 CHERRY CREEK DRIVE SOUTH
DENVER, CO 80246-1530
ATTN: PERMITS UNIT

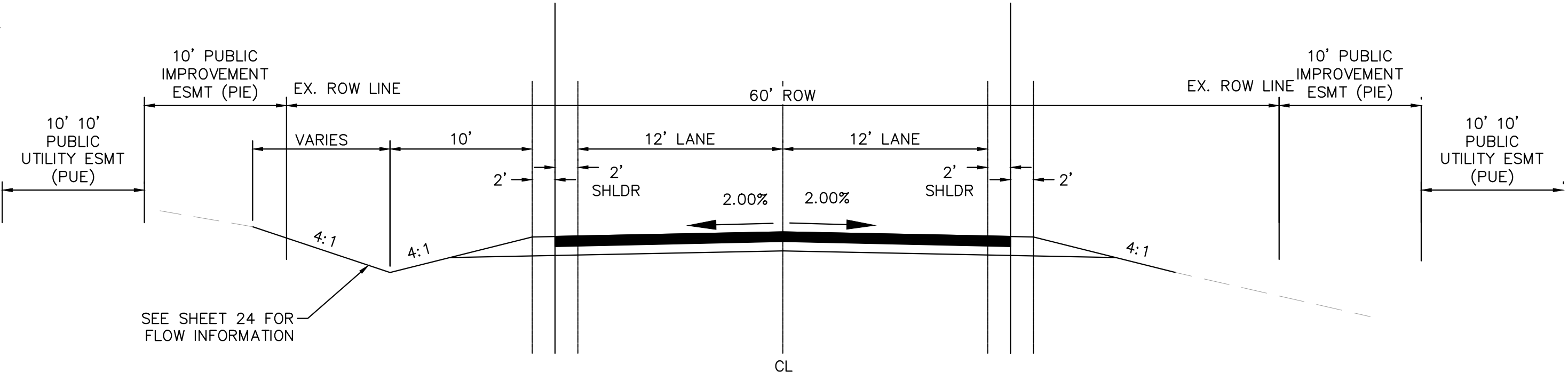
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preparer and date of report

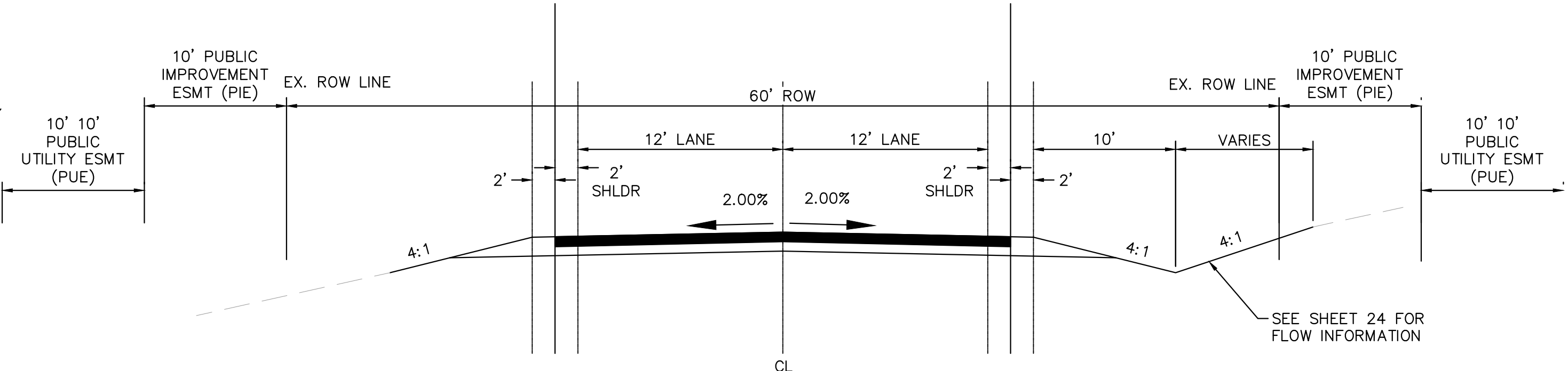
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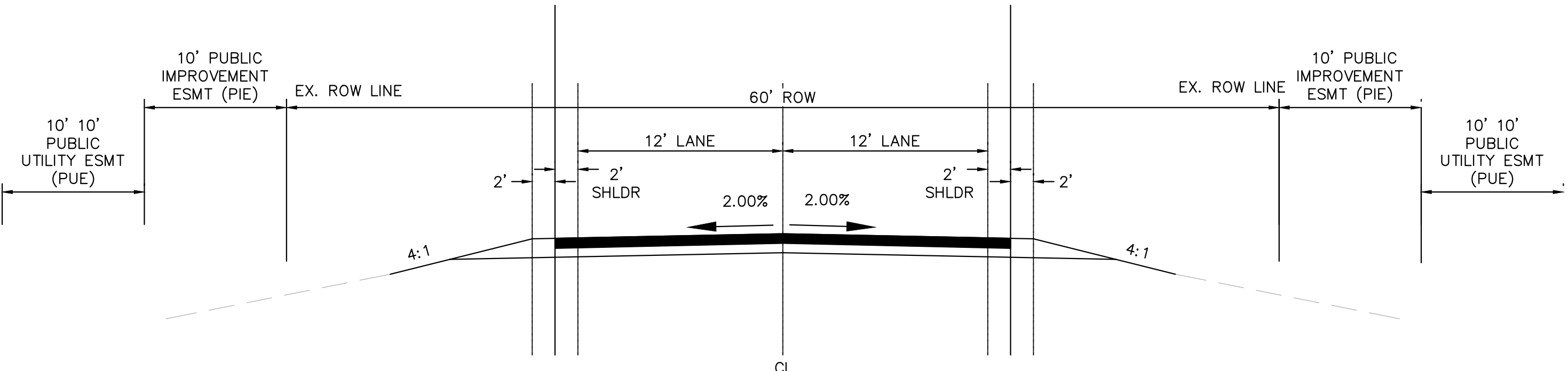
(A) RURAL LOCAL ROADWAY - ROADSIDE DITCH: LEFT AND RIGHT
SCALE: NTS



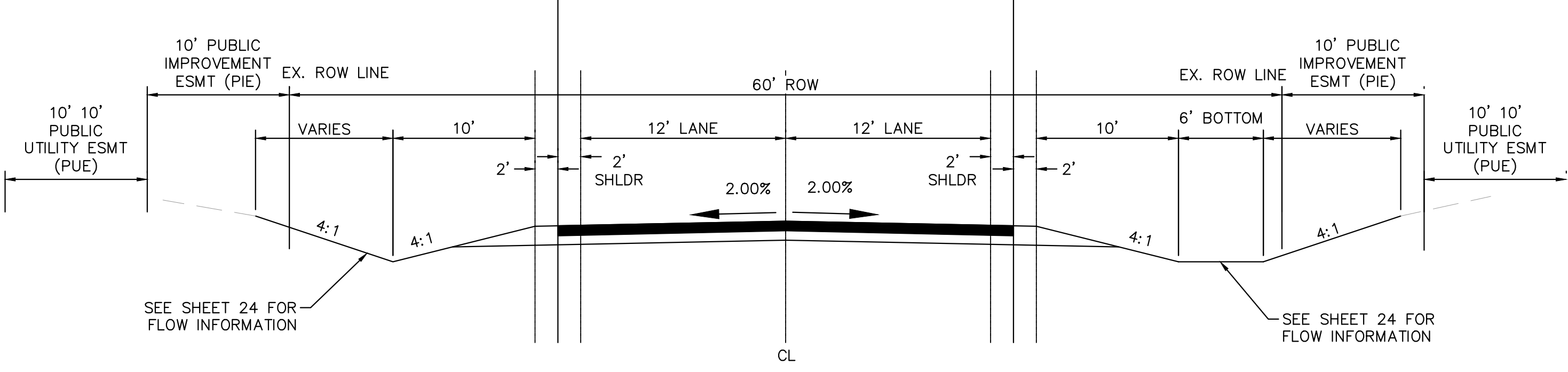
(B) RURAL LOCAL ROADWAY - ROADSIDE DITCH LEFT ONLY
SCALE: NTS



(C) RURAL LOCAL ROADWAY - ROADSIDE DITCH RIGHT ONLY
SCALE: NTS



(D) RURAL LOCAL ROADWAY - NO ROADSIDE DITCH
SCALE: NTS



(E) RURAL LOCAL ROADWAY - ROADSIDE DITCH: V DITCH LEFT AND TRAPEZOIDAL DITCH RIGHT
SCALE: NTS

At the bottom of the cross section list the applicable street.

NO.	REVISIONS	DATE	BY

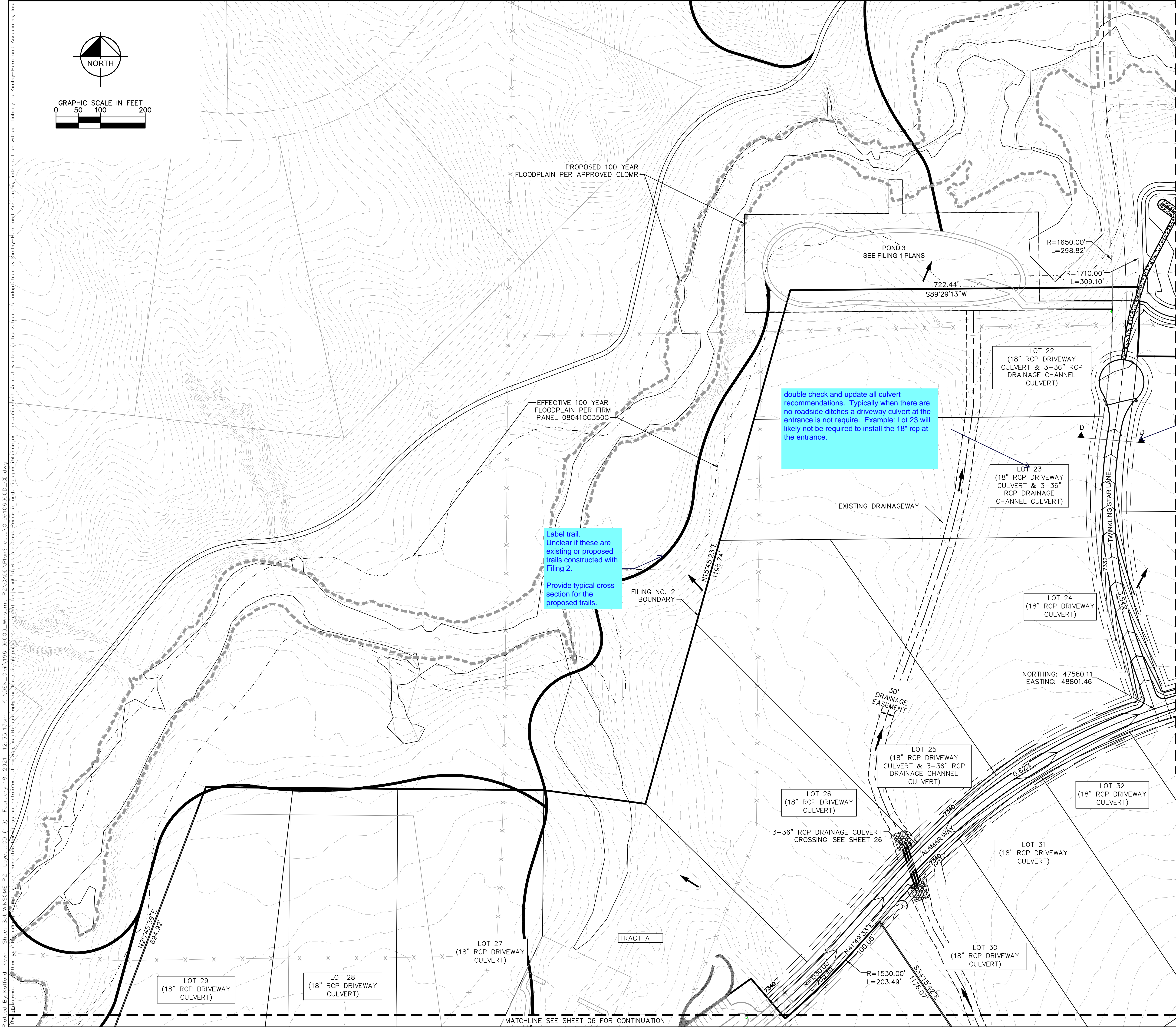
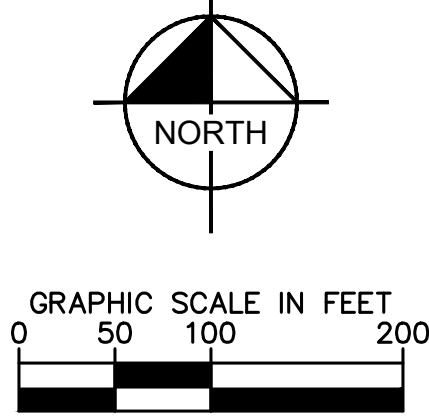
Kimley»Horn
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2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903
PHONE: 719-453-0180
WWW.KIMLEY-HORN.COM

KHA PROJECT 019610600	LICENSED PROFESSIONAL DATE 01/08/2021	KEVIN KOFFORD CO LICENSE NUMBER 57234	CHECKED BY TLC DATE: -----
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GENERAL NOTES

WINSOME FILING NO. 2
PREPARED FOR
WINSOME LLC
EL PASO COUNTY

Plotted By:Kofford, Kevin Sheet Set:WINSOME P2 Layout:GD (1.0) February 18, 2021 12:35:13pm k:\DEN_Civil\196106000_Winsome P2\CADD\PlanSheets\0196106000_GD.dwg
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NOTES

- SEE SHEET 2 FOR TYPICAL ROADWAY SECTIONS AND ROADSIDE DITCH CONFIGURATIONS AS LABELED IN PLAN VIEW.
- ALL LOT DRIVEWAY ACCESSES THAT CROSS ROADSIDE DITCHES SHALL REQUIRE A MINIMUM SIZE 18" RCP CULVERT UNLESS OTHERWISE NOTED.

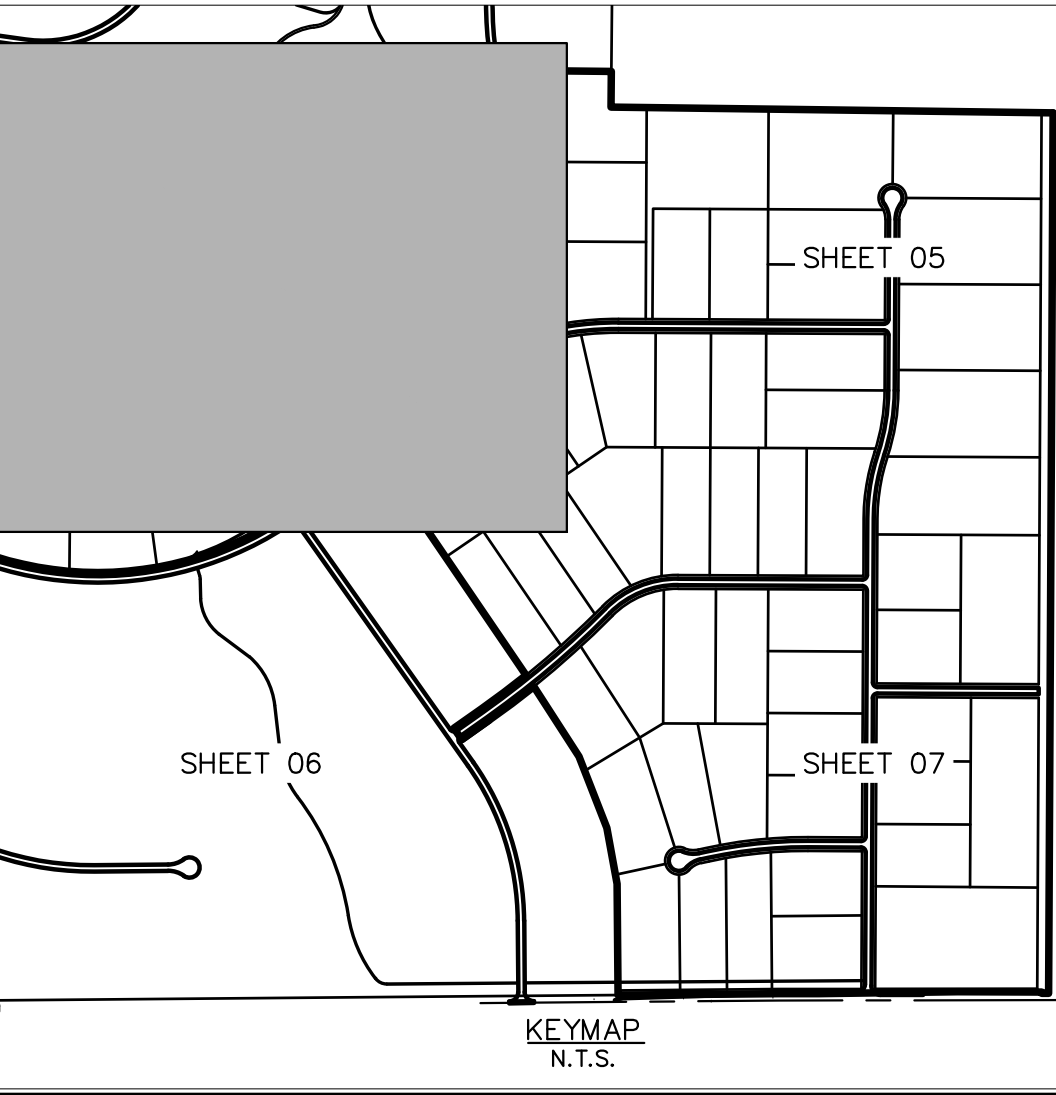
LEGEND

- PROPERTY LINE
- ROW LINE
- UTILITY EASEMENT LINE
- LOT LINE
- LOT #
- LOT NUMBER
- PROPOSED RIP RAP
- PROPOSED MAINTENANCE ACCESS ROAD

double check and update all culvert recommendations. Typically when there are no roadside ditches a driveway culvert at the entrance is not require. Example: Lot 23 will likely not be required to install the 18" rcp at the entrance.

Label trail. Unclear if these are existing or proposed trails constructed with Filing 2.
Provide typical cross section for the proposed trails.

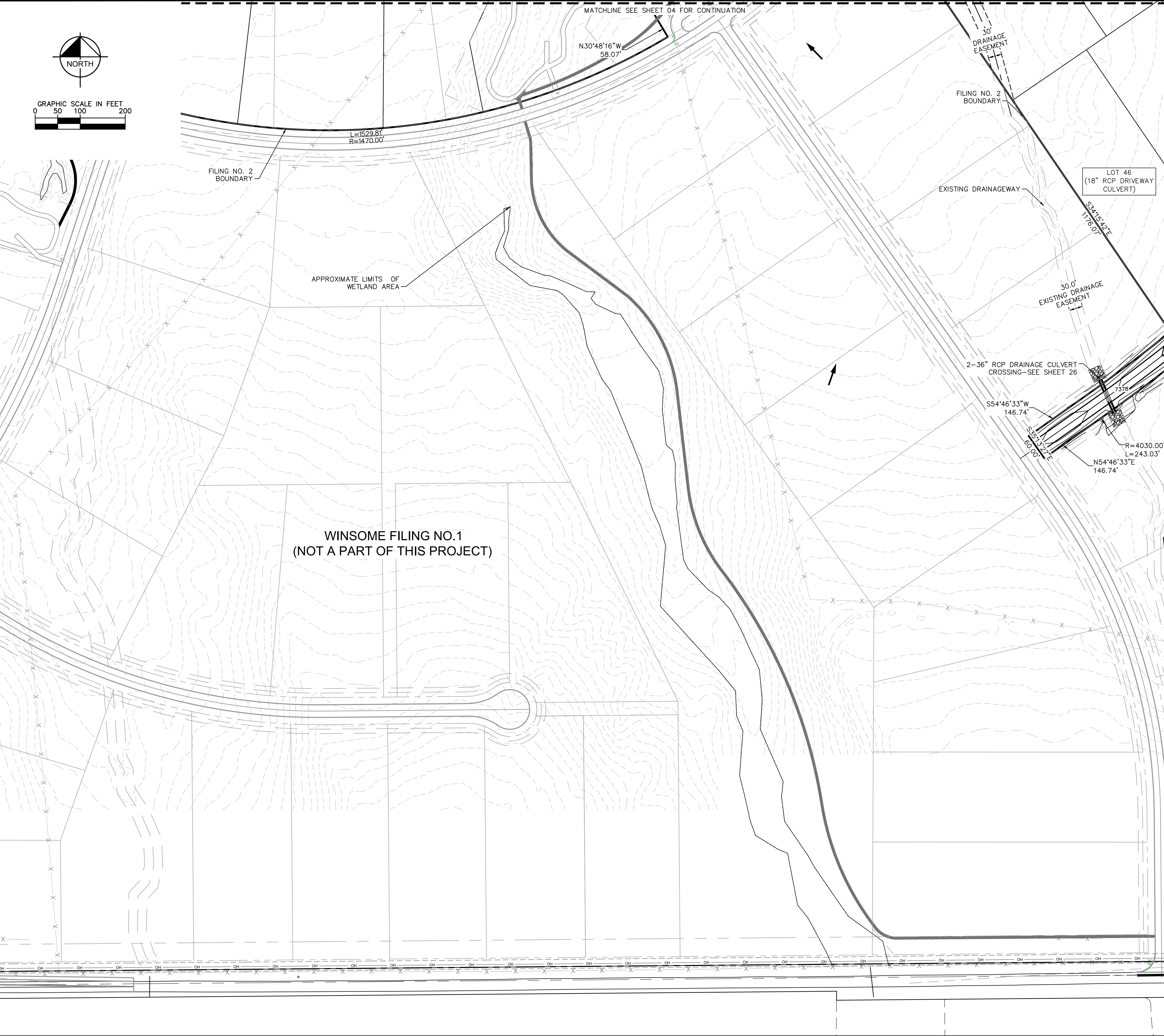
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KHA PROJECT 019610600		DATE 01/08/2021		SCALE AS SHOWN		DESIGNED BY KHTAM		DRAWN BY KHTAM		CHECKED BY		TLC DATE: _____	
LISCENSED PROFESSIONAL		KEVIN KOFFORD		CO LICENSE NUMBER 57234									
WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC												EL PASO COUNTY	
GRADING PLAN												CO	
SHEET NUMBER 04													
Kimley»Horn												REVISIONS	
© 2020 KIMLEY-HORN AND ASSOCIATES, INC. 2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903 PHONE: 719-453-0180 WWW.KIMLEY-HORN.COM												BY	
												DATE	

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- ALL LOT DRIVEWAY ACCESSES THAT CROSS ROADSIDE DITCHES SHALL REQUIRE A MINIMUM SIZE 18" RCP CULVERT UNLESS OTHERWISE NOTED.

LEGEND

PROPERTY LINE

ROW LINE

UTILITY EASEMENT LINE

LOT LINE

LOT NUMBER

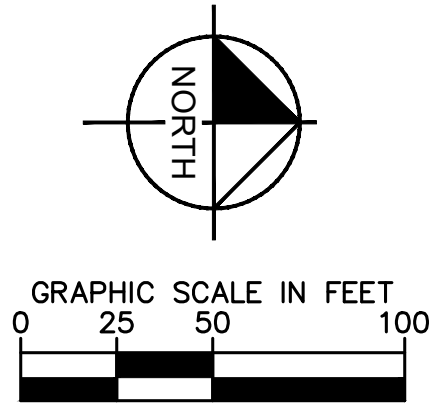
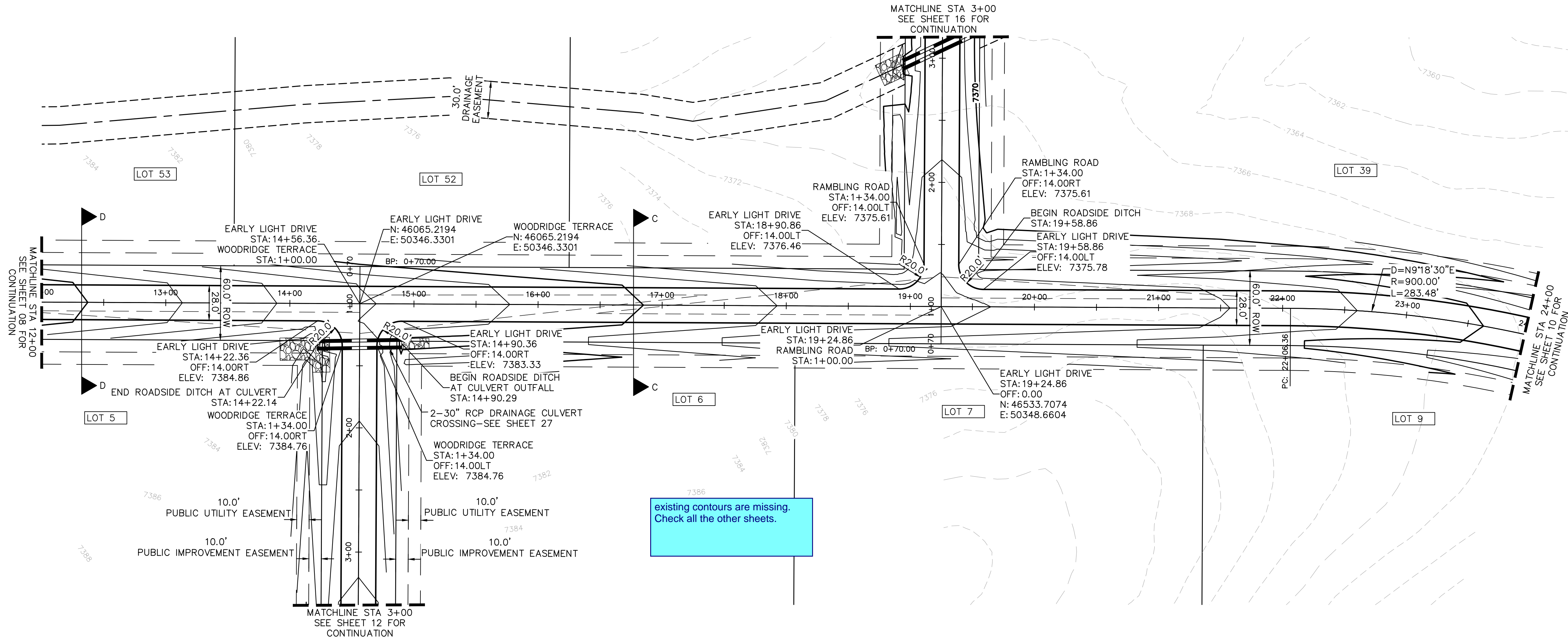
PROPOSED RIP RAP

PROPOSED MAINTENANCE ACCESS ROAD

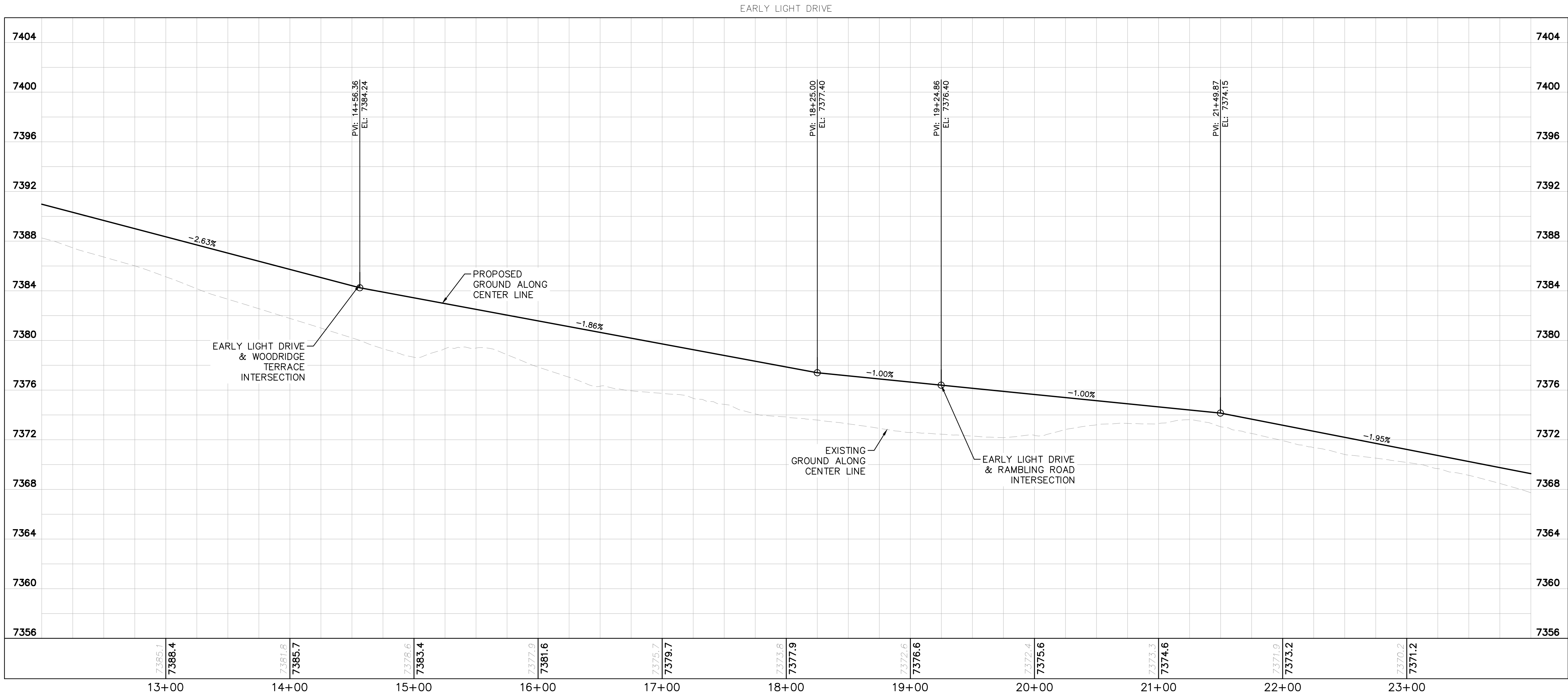
The keymap shows a grid of sheets labeled SHEET 04, SHEET 05, and SHEET 07. The current sheet, SHEET 06, is highlighted in grey. The text "KEYMAP N.T.S." is at the bottom.

WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC		GRADING PLAN		KHA PROJECT 019610600		LICENSED PROFESSIONAL		Kimley»Horn		© 2020 KIMLEY-HORN AND ASSOCIATES, INC. 2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903 PHONE: 719-453-0180 WWW.KIMLEY-HORN.COM		BY	
SHEET NUMBER 06		EL PASO COUNTY		DATE 01/08/2021		SCALE AS SHOWN		DESIGNED BY KHTAM		CO LICENSE NUMBER 57234		REVISIONS	
DRAWN BY KHTAM		CHECKED BY		TLC DATE: ----		KEVIN KOFFORD		No.		DATE			

Plotted By:Koford, Kevin Sheet Set:WINSOME P2 Layout:P&P EARLY LIGHT DRIVE (2) February 18, 2021 12:36:36pm K:\DEN_Civil\196106000_Winsome P2\CADD\PlanSheets\019610600CD_RD_P&P.dwg
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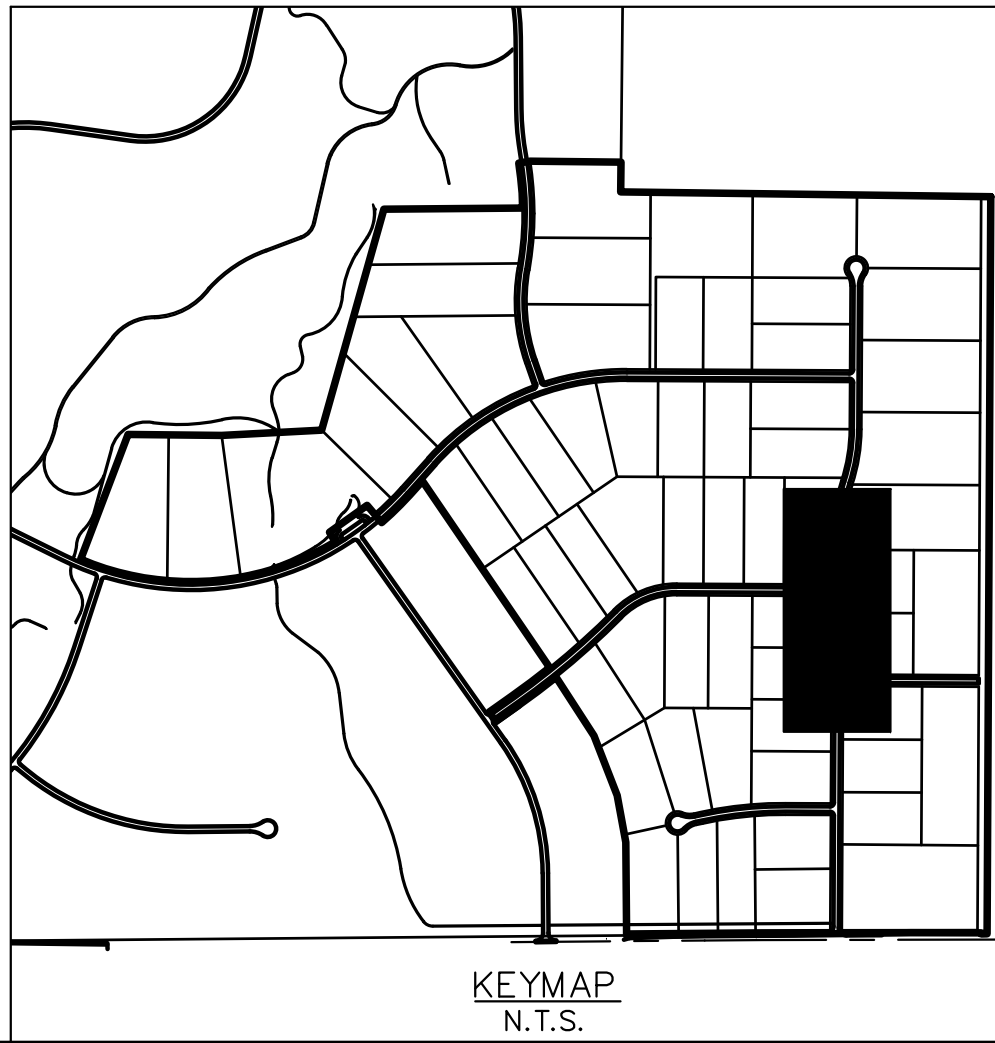
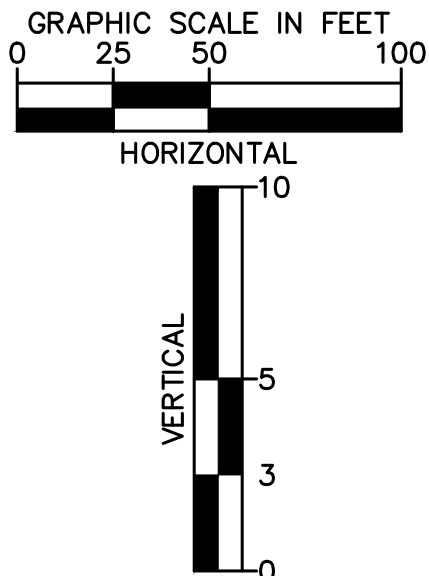


- LEGEND
- PROPERTY LINE
 - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT LINE
 - LOT #
 - LOT NUMBER
 - DRAINAGE EASEMENT



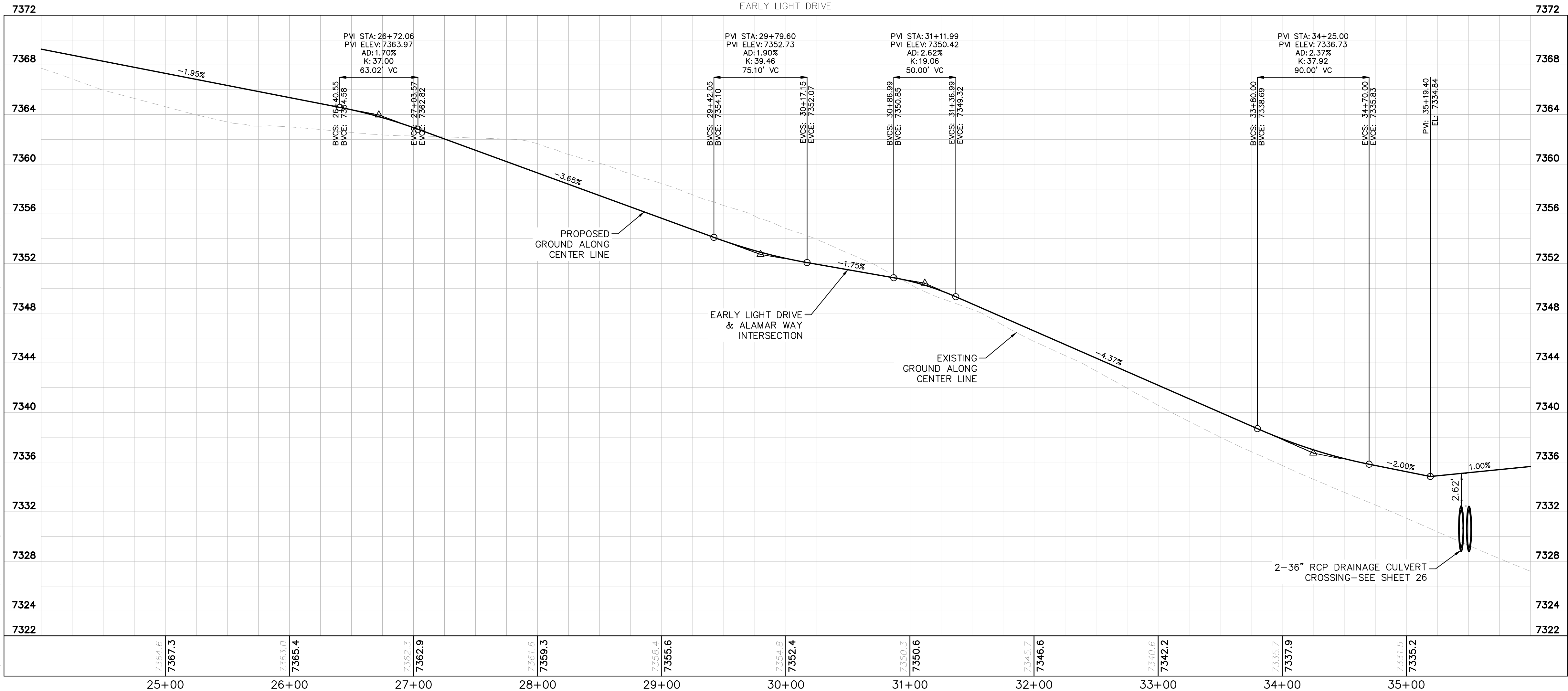
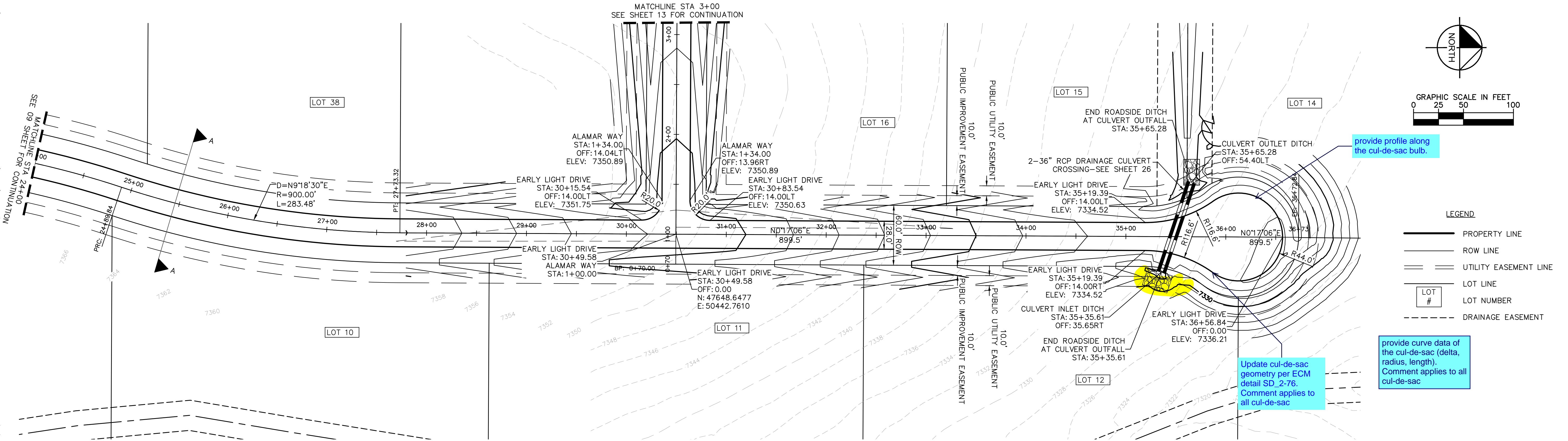
NOTES

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- ALL LOT DRIVEWAY ACCESSSES THAT CROSS ROADSIDE DITCHES SHALL REQUIRE A MINIMUM SIZE 18" RCP CULVERT UNLESS OTHERWISE STATED.
- INSTALL ECB CENTERED IN THE DITCH BOTTOM. 8' WIDE ROLL PROVIDING 4' OF WETTED PERIMETER ON EACH SIDE OF DITCH. USE WESTERN EXCELSIOR COCONUT/STRAW CS-3 OR MINIMUM EQUIVALENT.

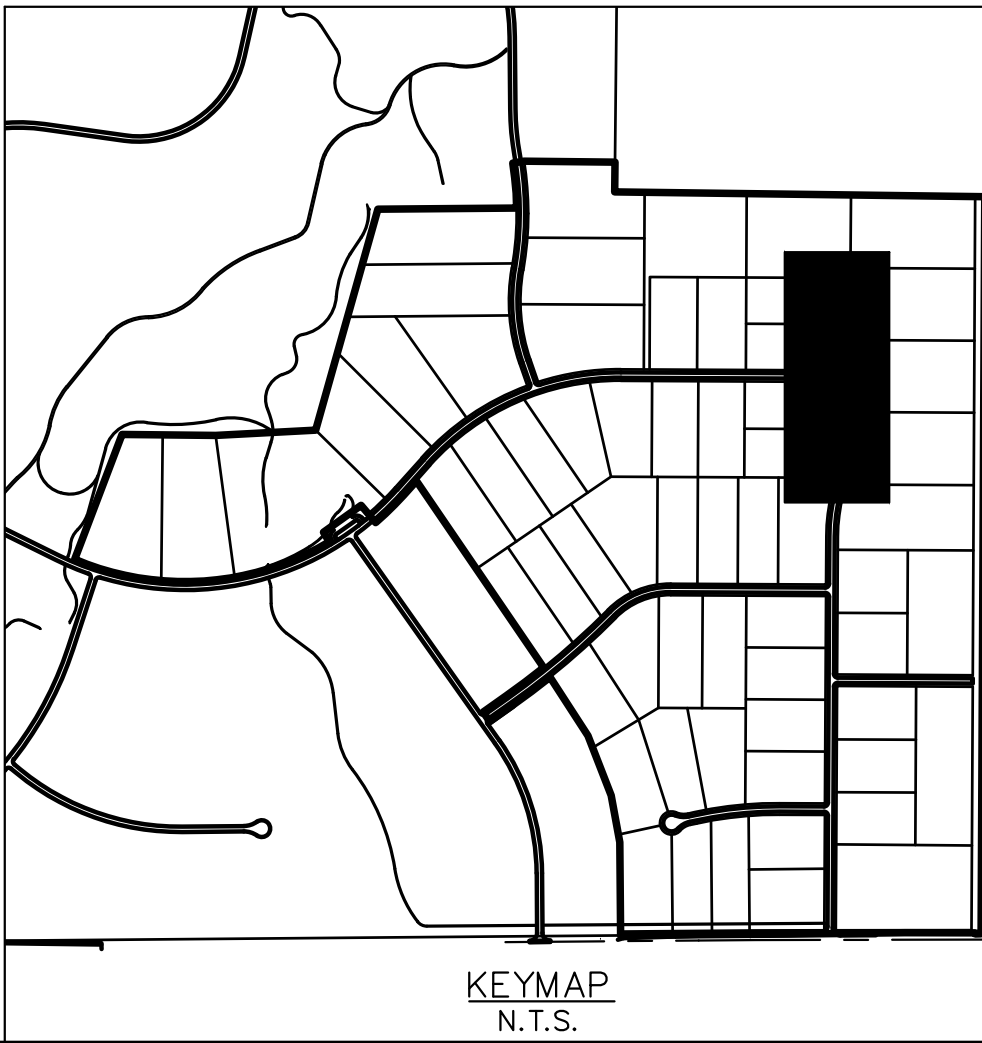
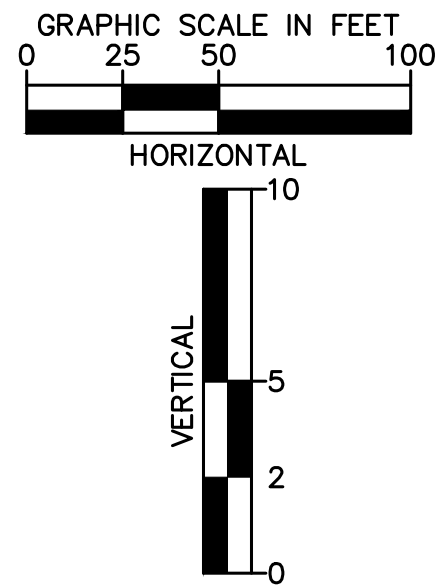


KHA PROJECT 019610600		LICENCED PROFESSIONAL		Kimley»Horn	
DATE 01/08/2021		KEVIN KOFFORD		© 2020 KIMLEY-HORN AND ASSOCIATES, INC. 2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903 PHONE: 719-453-0180 WWW.KIMLEY-HORN.COM	
SCALE AS SHOWN DESIGNED BY KHTAM		CO LICENSE NUMBER 57234		No.	
DRAWN BY KHTAM		CHECKED BY		REVISIONS	
TLC DATE:				BY	
EL PASO COUNTY		CO		DATE	
WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC		SHEET NUMBER 09			
EARLY LIGHT DRIVE ROADWAY PLAN AND PROFILE					

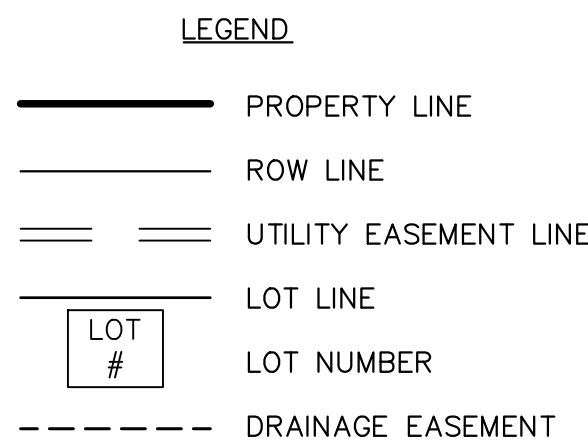
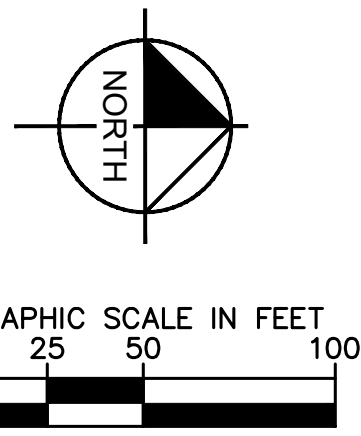
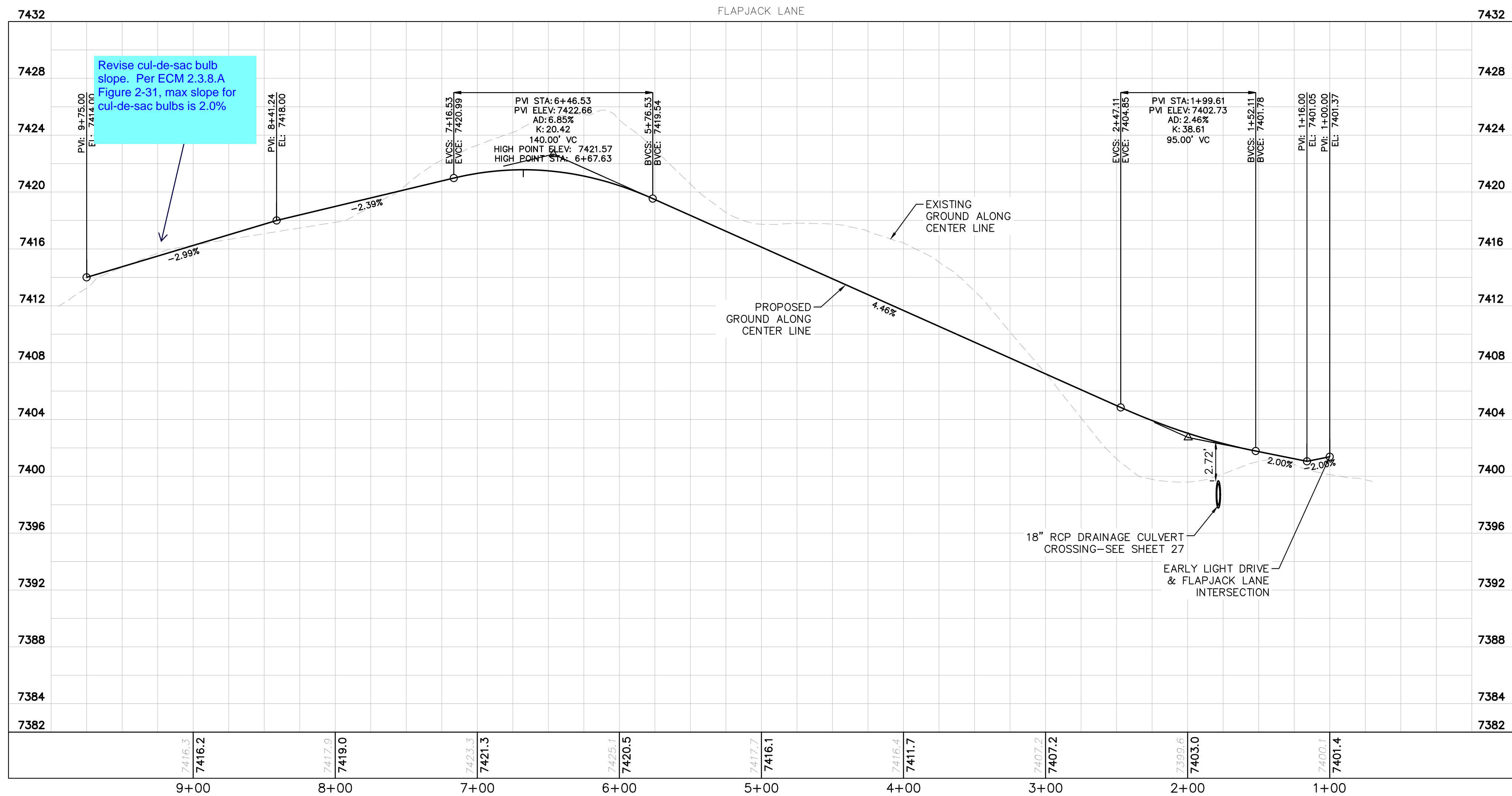
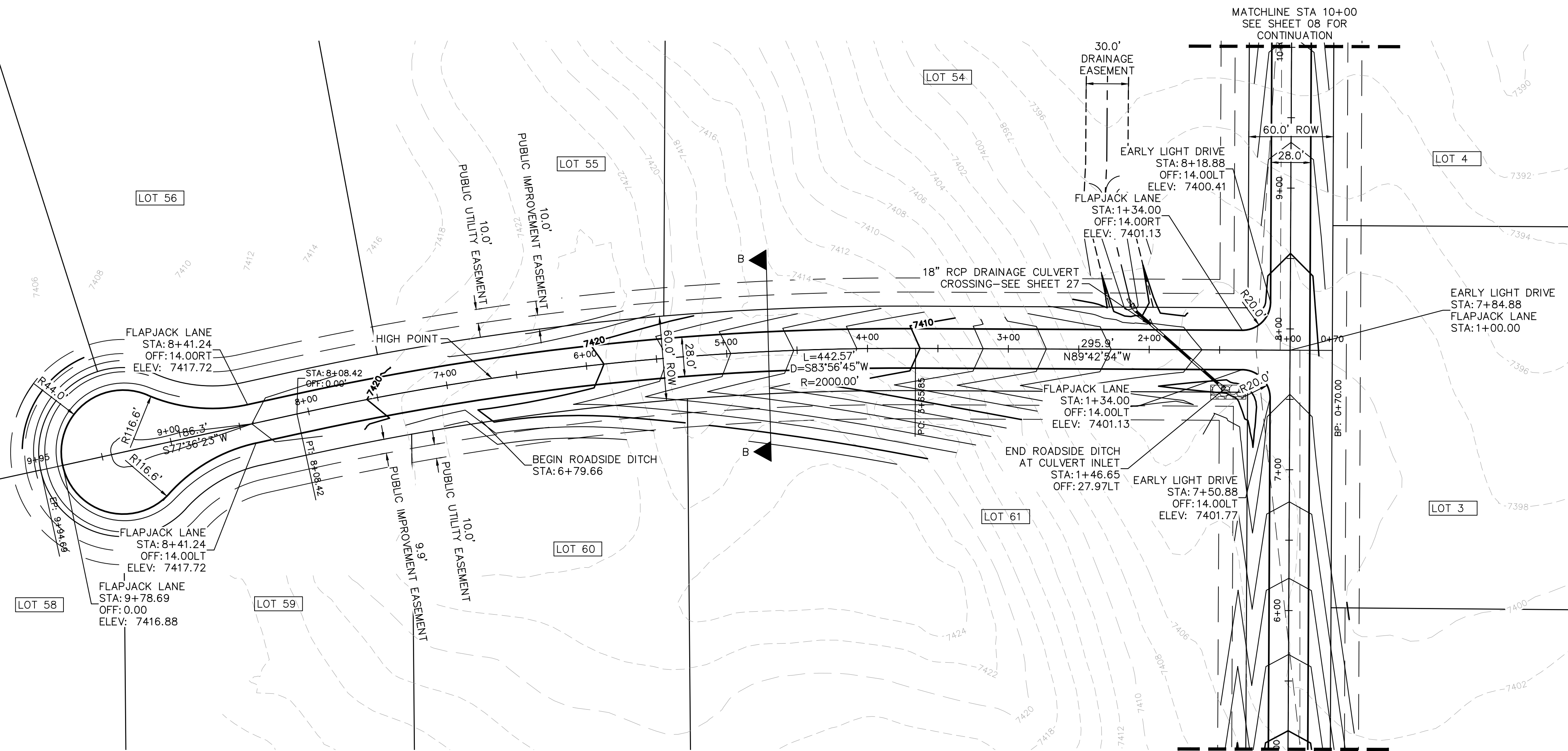
Plotted By:Koford, Kevin Sheet Set:WINSOME P2 Layout:P&P EARLY LIGHT DRIVE (3) February 18, 2021 12:36:50pm K:\DEN_Civil\196106000_Winsome P2\CADD\PlanSheets\019610600CD_RD_P&P.dwg
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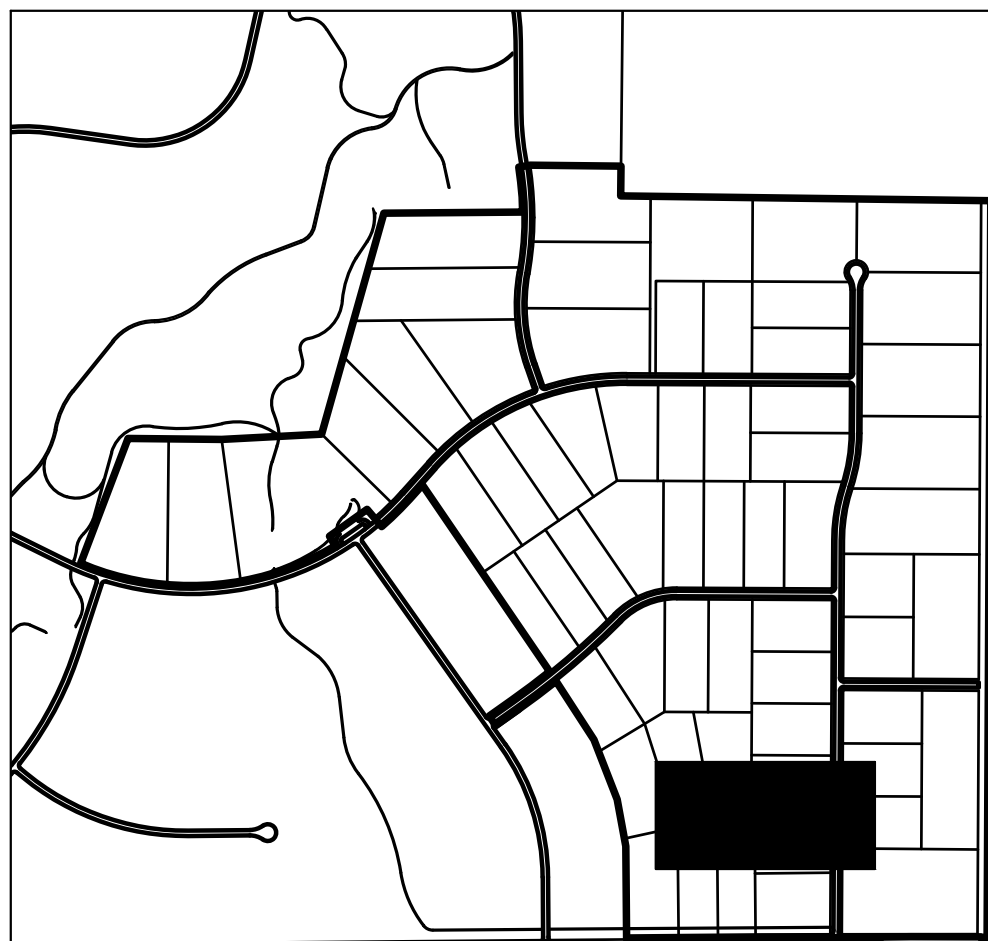
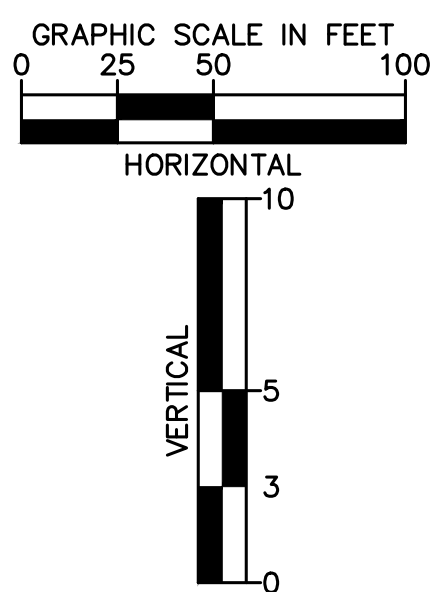
- ### NOTES
- SEE SHEET 2 FOR TYPICAL ROADWAY SECTIONS, AND ROADSIDE DITCH CONFIGURATIONS AS LABELED IN PLAN VIEW.
 - ALL LOT DRIVEWAY ACCESSES THAT CROSS ROADSIDE DITCHES SHALL REQUIRE A MINIMUM SIZE 18" RCP CULVERT UNLESS OTHERWISE STATED.
 - INSTALL ECB CENTERED IN THE DITCH BOTTOM. 8' WIDE ROLL PROVIDING 4' OF WETTED PERIMETER ON EACH SIDE OF DITCH. USE WESTERN EXCELSIOR COCONUT/STRAW CS-3 OR MINIMUM EQUIVALENT.



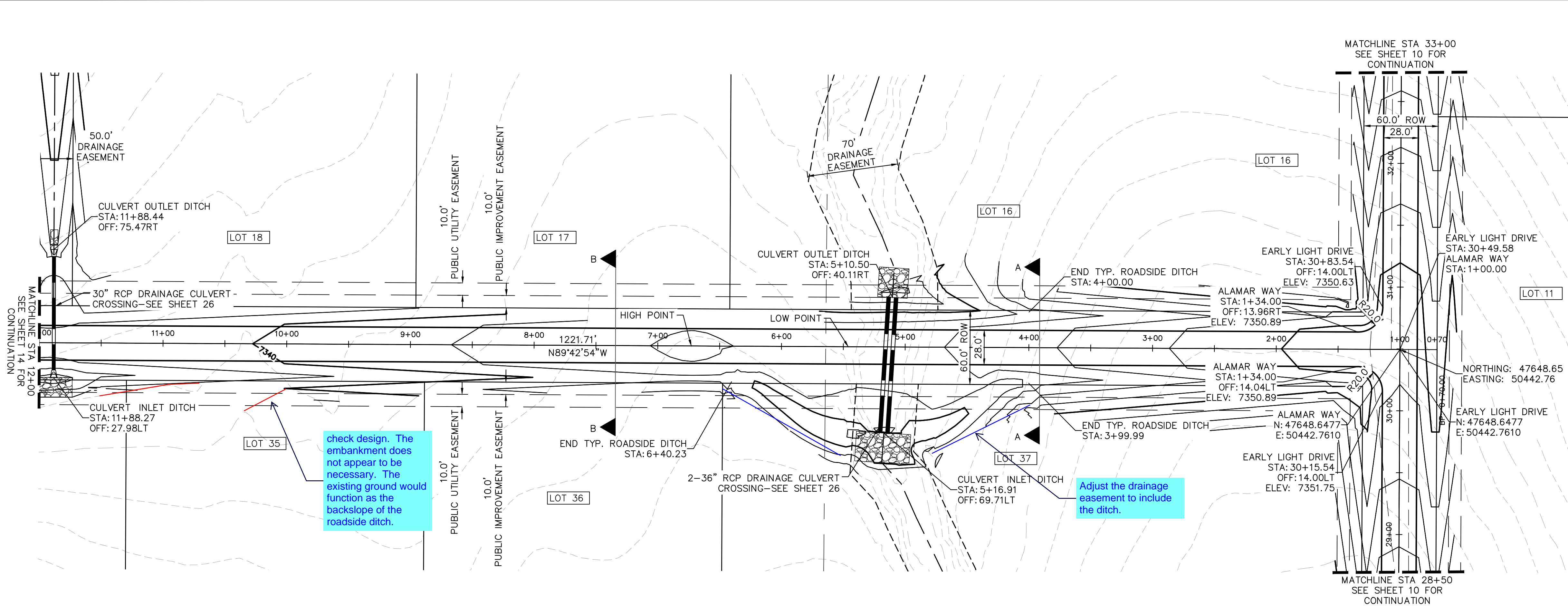
WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC	SHEET NUMBER 10	EL PASO COUNTY	CO	EARLY LIGHT DRIVE ROADWAY PLAN AND PROFILE	KHA PROJECT 019610600 DATE 01/08/2021 SCALE AS SHOWN DESIGNED BY KHTAM DRAWN BY KHTAM CHECKED BY TLC DATE: -----	LISCENSED PROFESSIONAL KEVIN KOFFORD CO LICENSE NUMBER 57234	© 2020 KIMLEY-HORN AND ASSOCIATES, INC. 2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903 WWW.KIMLEY-HORN.COM	Kimley»Horn	REVISIONS			BY
									No.	DATE		



- ## NOTES

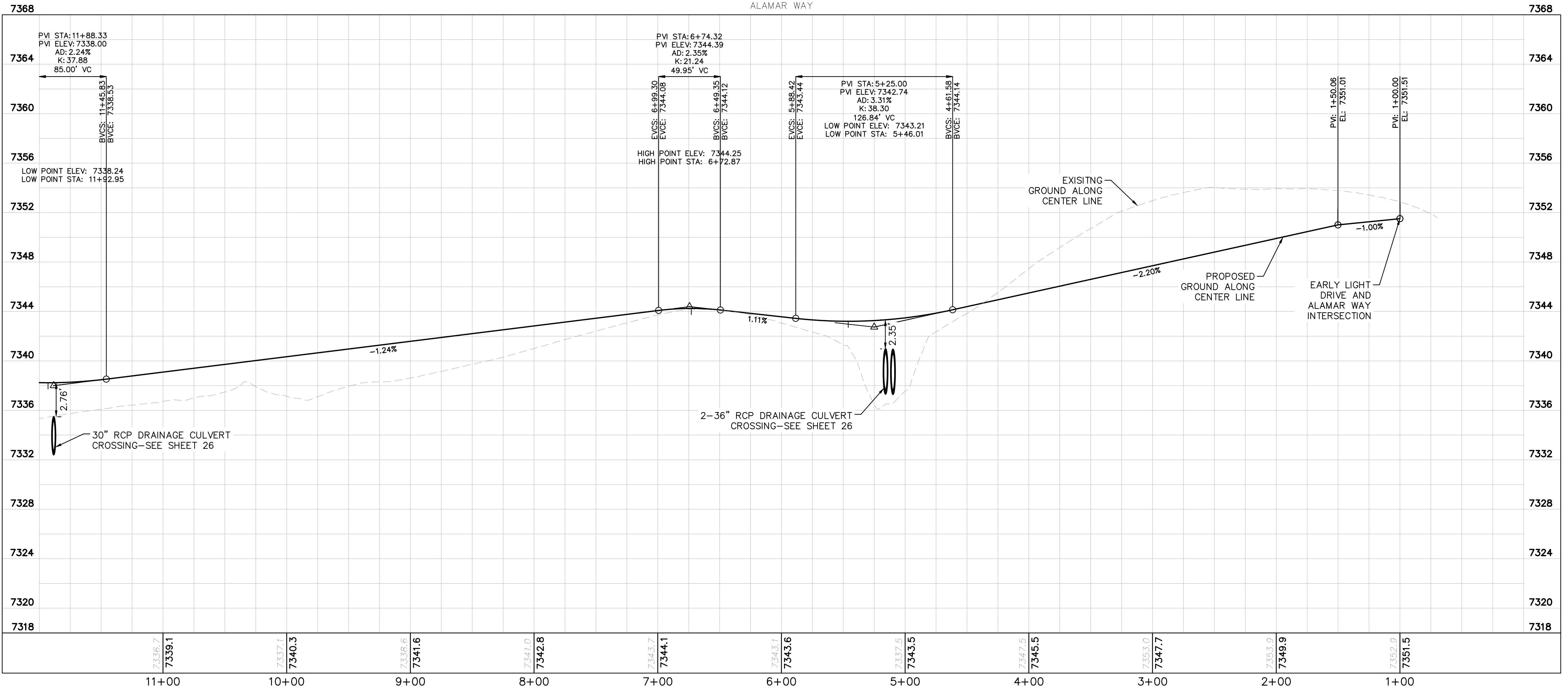


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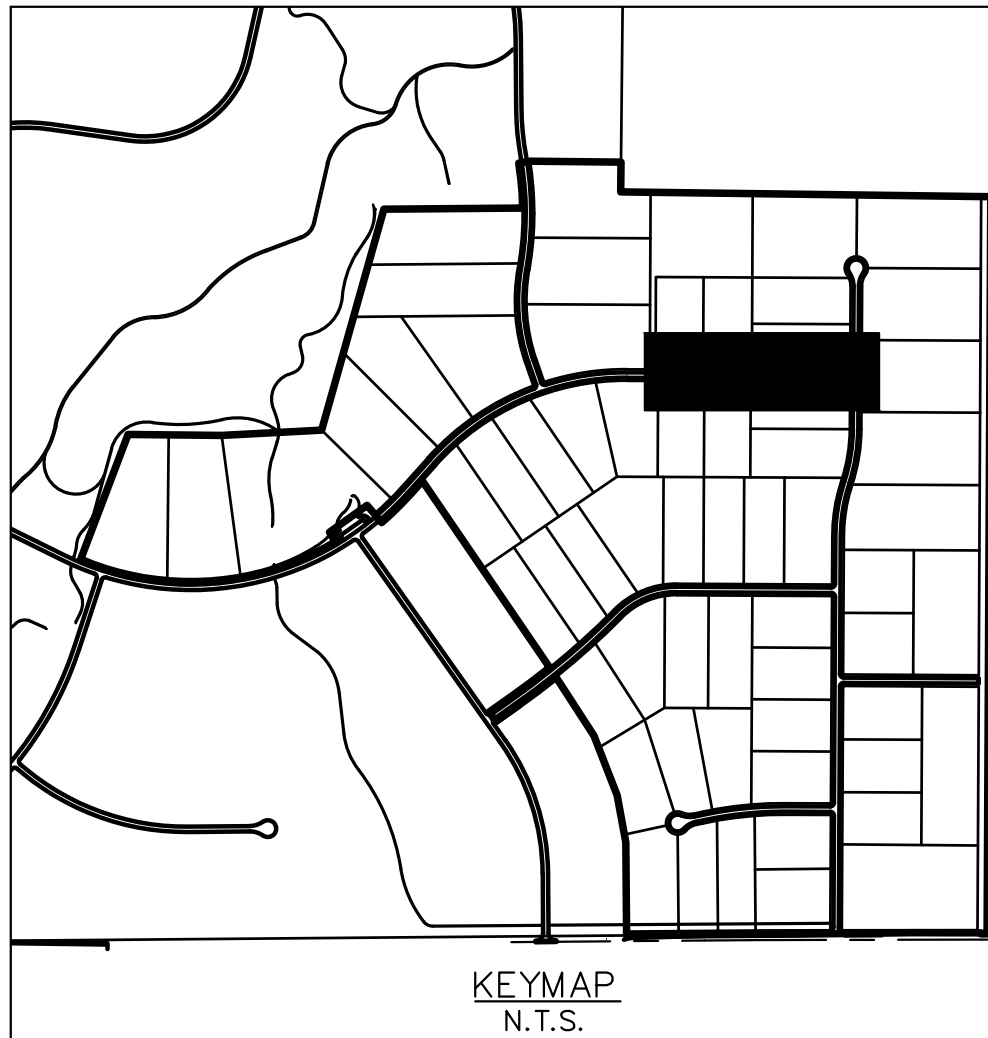
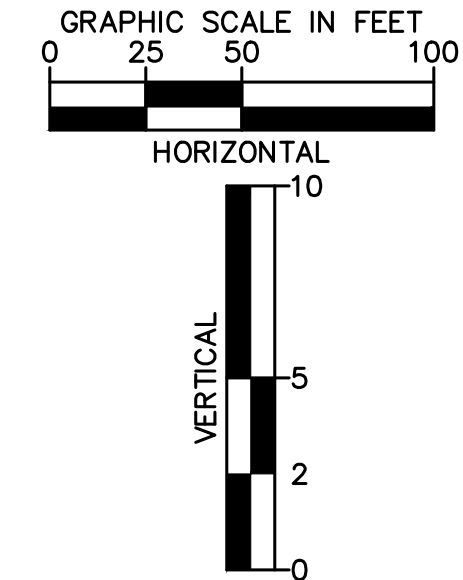


check design. The embankment does not appear to be necessary. The existing ground would function as the backslope of the roadside ditch.

Adjust the drainage easement to include the ditch.



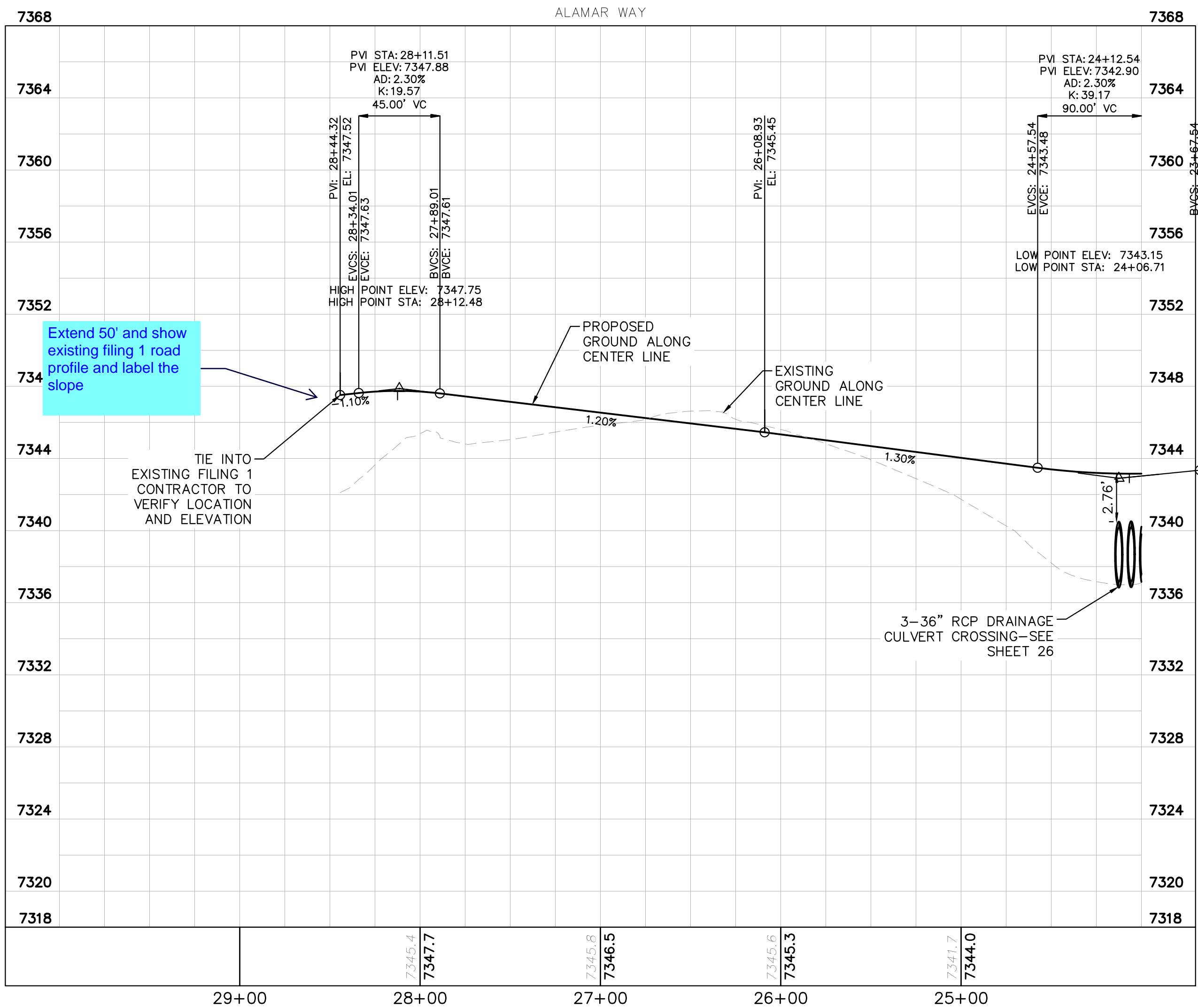
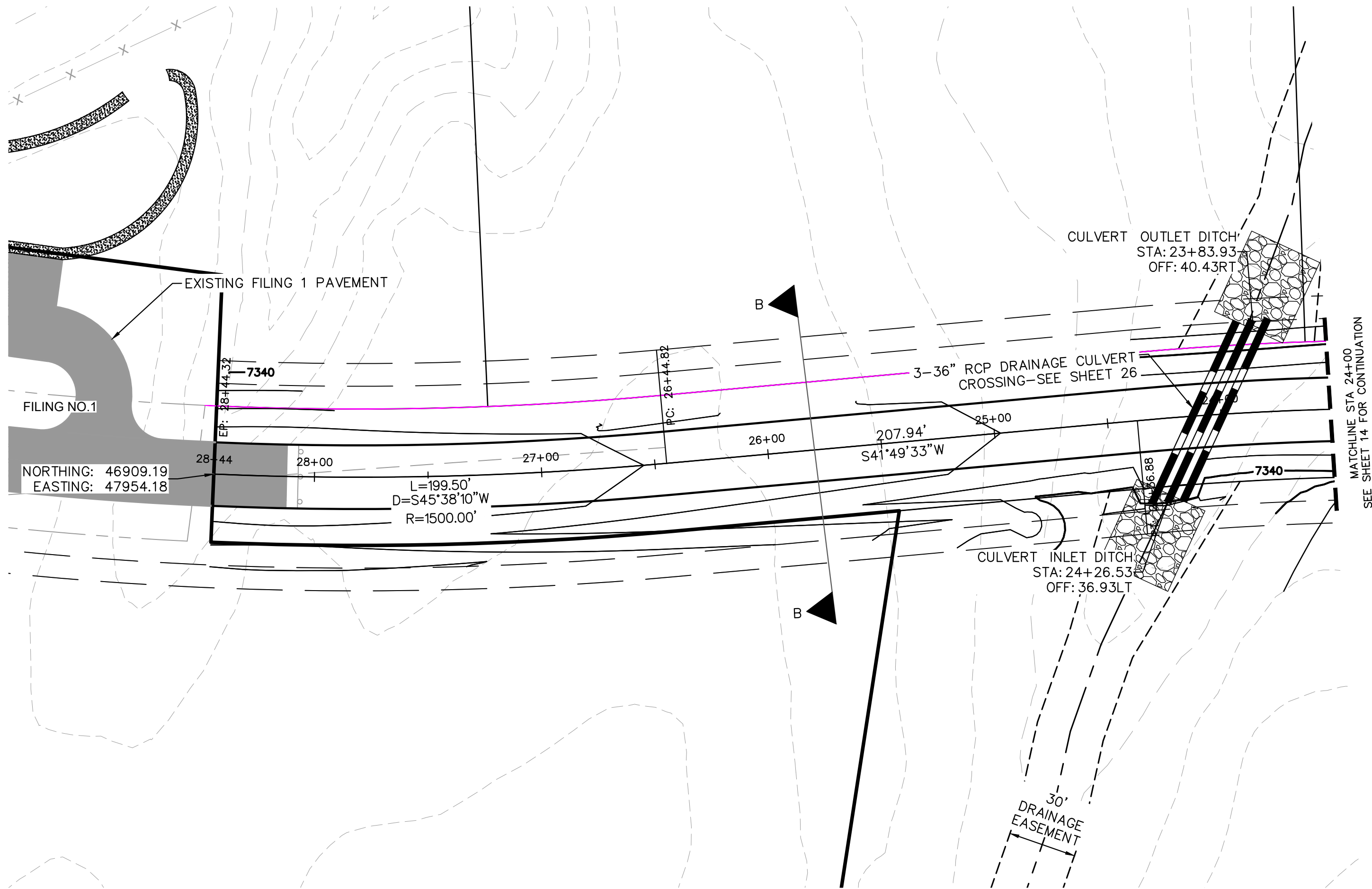
- ### NOTES
- SEE SHEET 2 FOR TYPICAL ROADWAY SECTIONS AND ROADSIDE DITCH CONFIGURATIONS AS LABELED IN PLAN VIEW.
 - ALL LOT DRIVEWAY ACCESSES THAT CROSS ROADSIDE DITCHES SHALL REQUIRE A MINIMUM SIZE 18" RCP CULVERT UNLESS OTHERWISE STATED.
 - INSTALL ECB CENTERED IN THE DITCH BOTTOM. 8' WIDE ROLL PROVIDING 4" OF WETTED PERIMETER ON EACH SIDE OF DITCH. USE WESTERN EXCELSIOR COCONUT/STRAW CS-3 OR MINIMUM EQUIVALENT.



SHEET NUMBER 13	WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC	EL PASO COUNTY	CO	ALAMAR WAY ROADWAY PLAN AND PROFILE	KHA PROJECT 019610600 DATE 01/08/2021 SCALE AS SHOWN DESIGNED BY KHTAM DRAWN BY KHTAM CHECKED BY TLC DATE: -----	LICENCED PROFESSIONAL KEVIN KOFFORD CO LICENSE NUMBER 57234	Kimley»Horn © 2020 KIMLEY-HORN AND ASSOCIATES, INC. 2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903 PHONE: 719-453-0180 WWW.KIMLEY-HORN.COM	No.	REVISIONS		DATE	BY

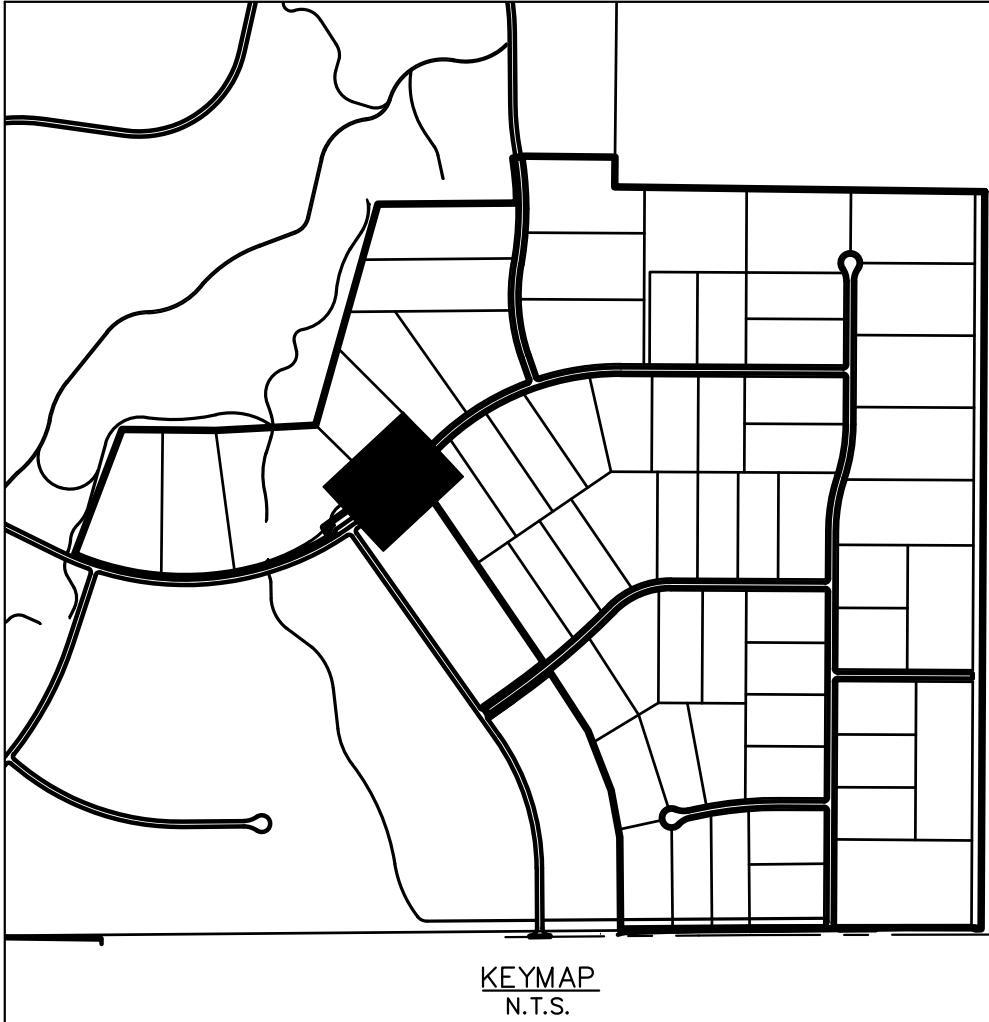
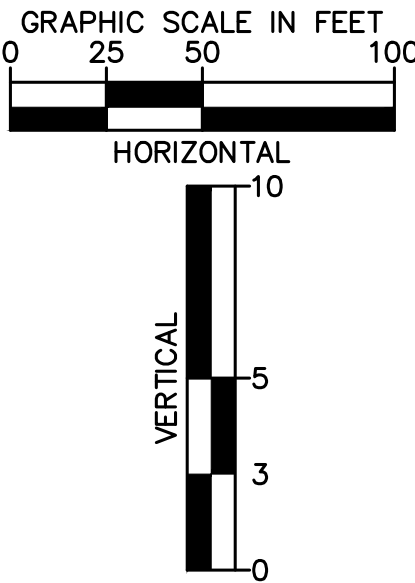
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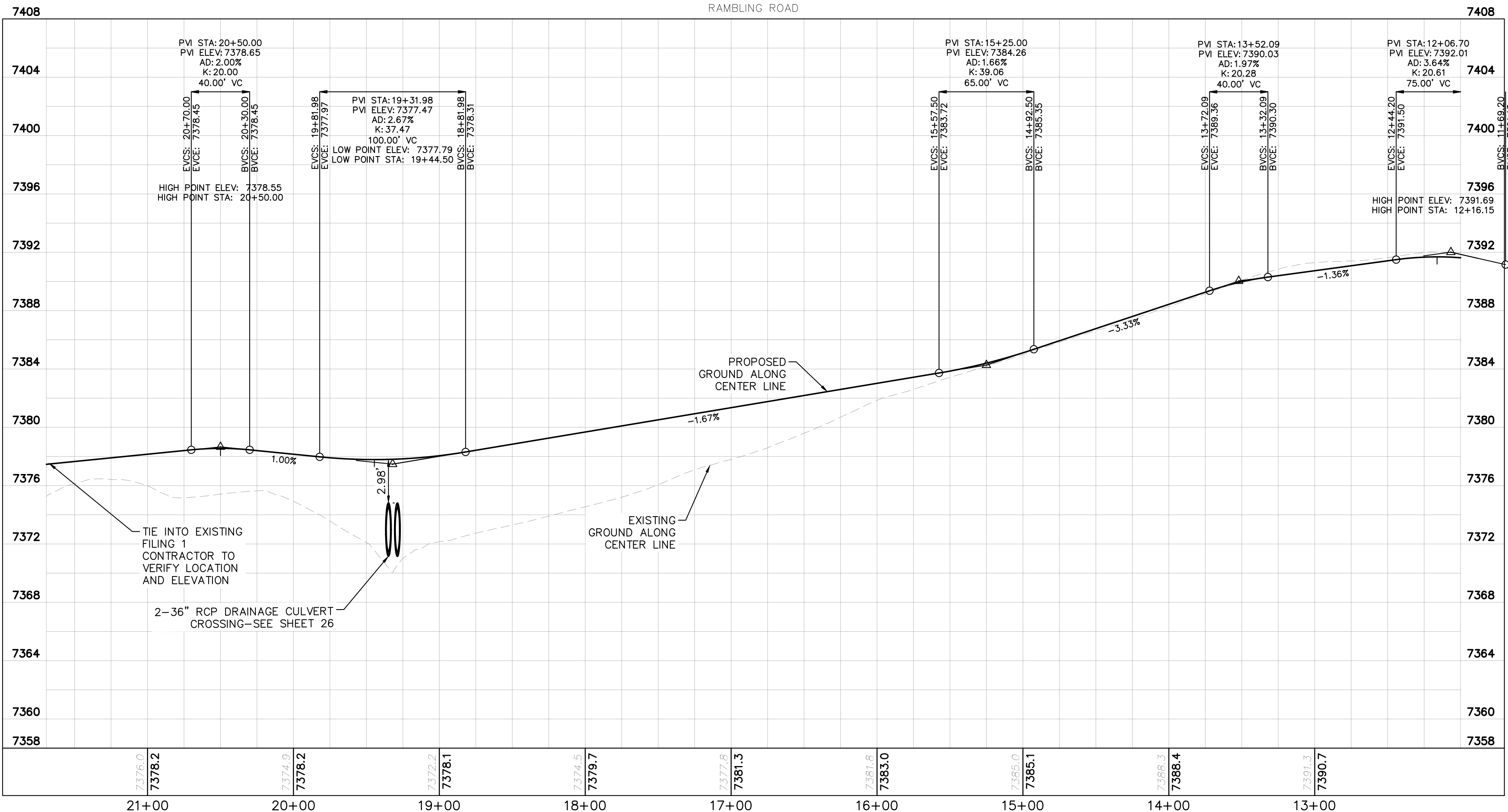
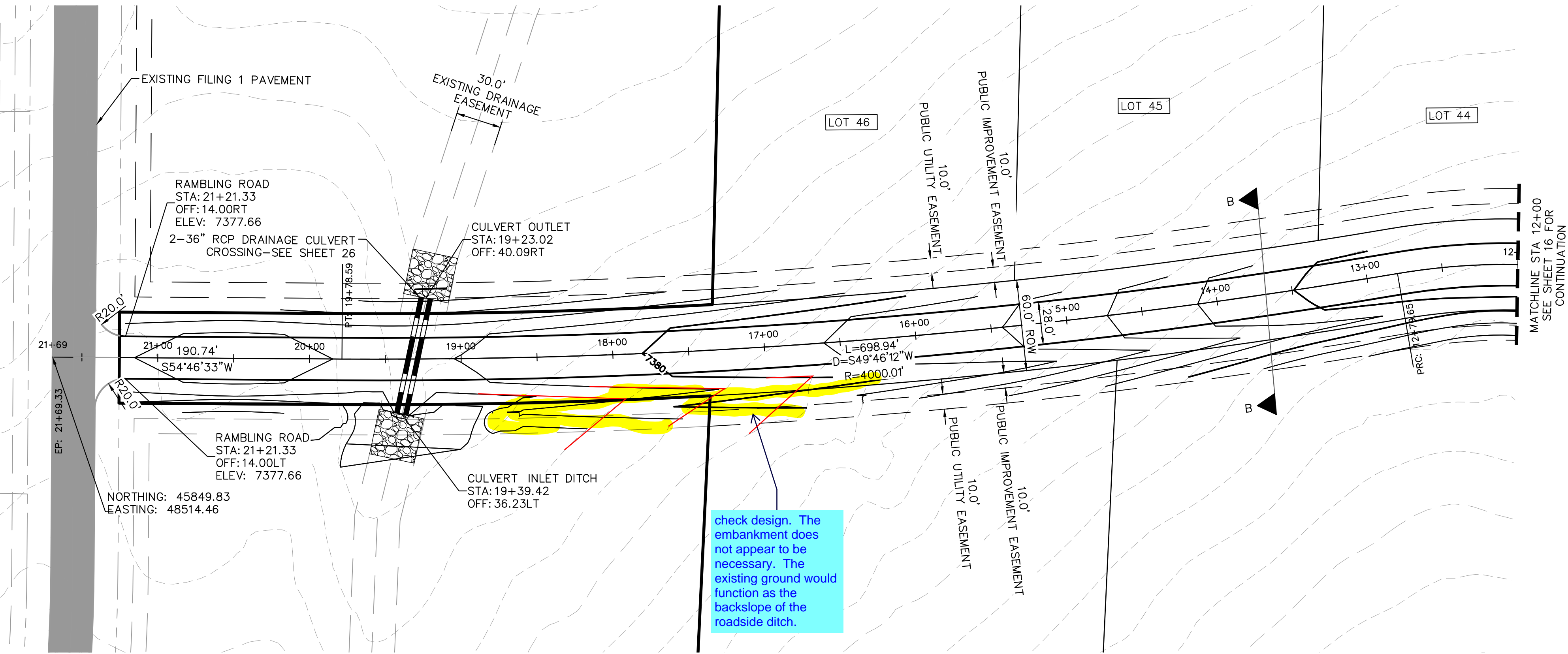
NOTES

- SEE SHEET 2 FOR TYPICAL ROADWAY SECTIONS AND ROADSIDE DITCH CONFIGURATIONS AS LABELED IN PLAN VIEW.
- ALL LOT DRIVEWAY ACCESSES THAT CROSS ROADSIDE DITCHES SHALL REQUIRE A MINIMUM SIZE 18" RCP CULVERT UNLESS OTHERWISE STATED
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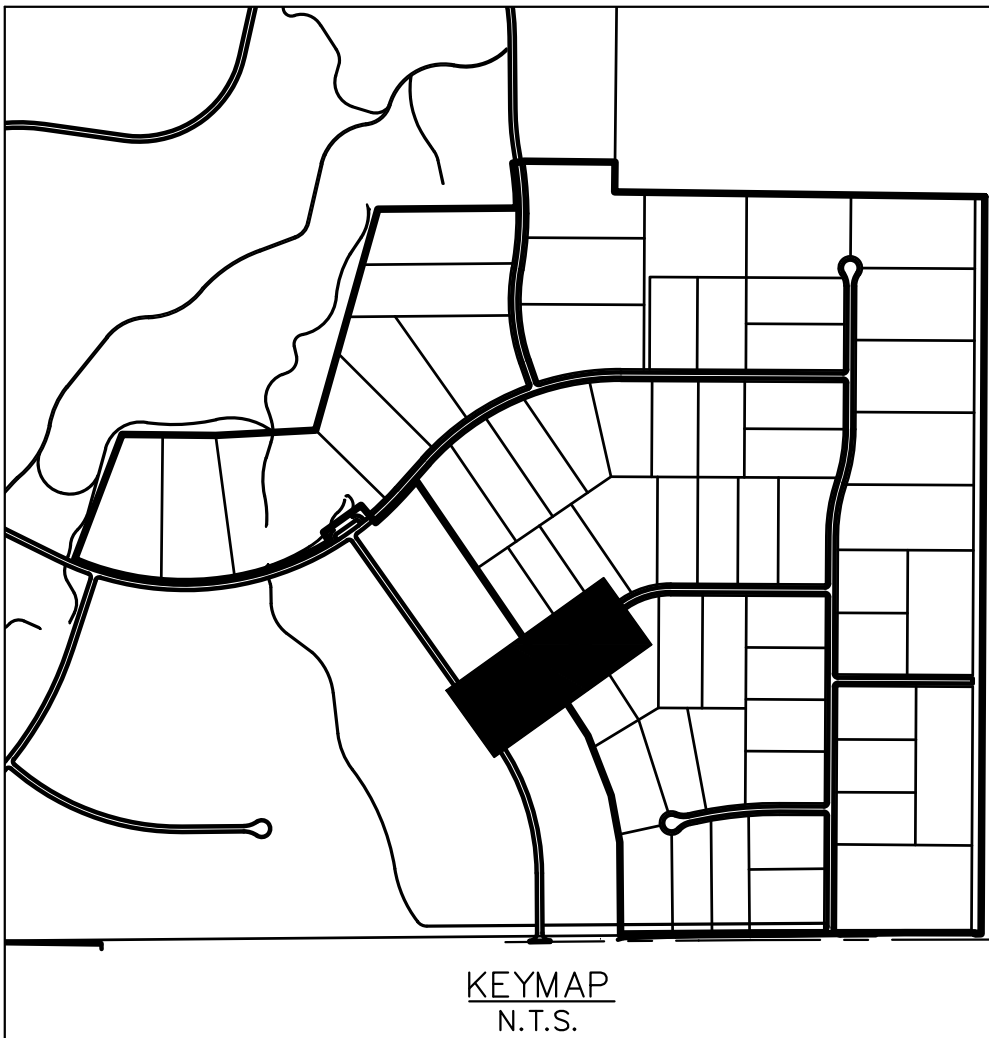
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							No.	DATE	

Plotted By:Kofford, Kevin Sheet Set:WINSOME P2 Layout:P&P RAMBLING RD (2) February 18, 2021 12:38:45pm K:\DEN_Civil\196106000_Winsome P2 CADD\PlanSheets\0196106000_RD P&P (2).dwg
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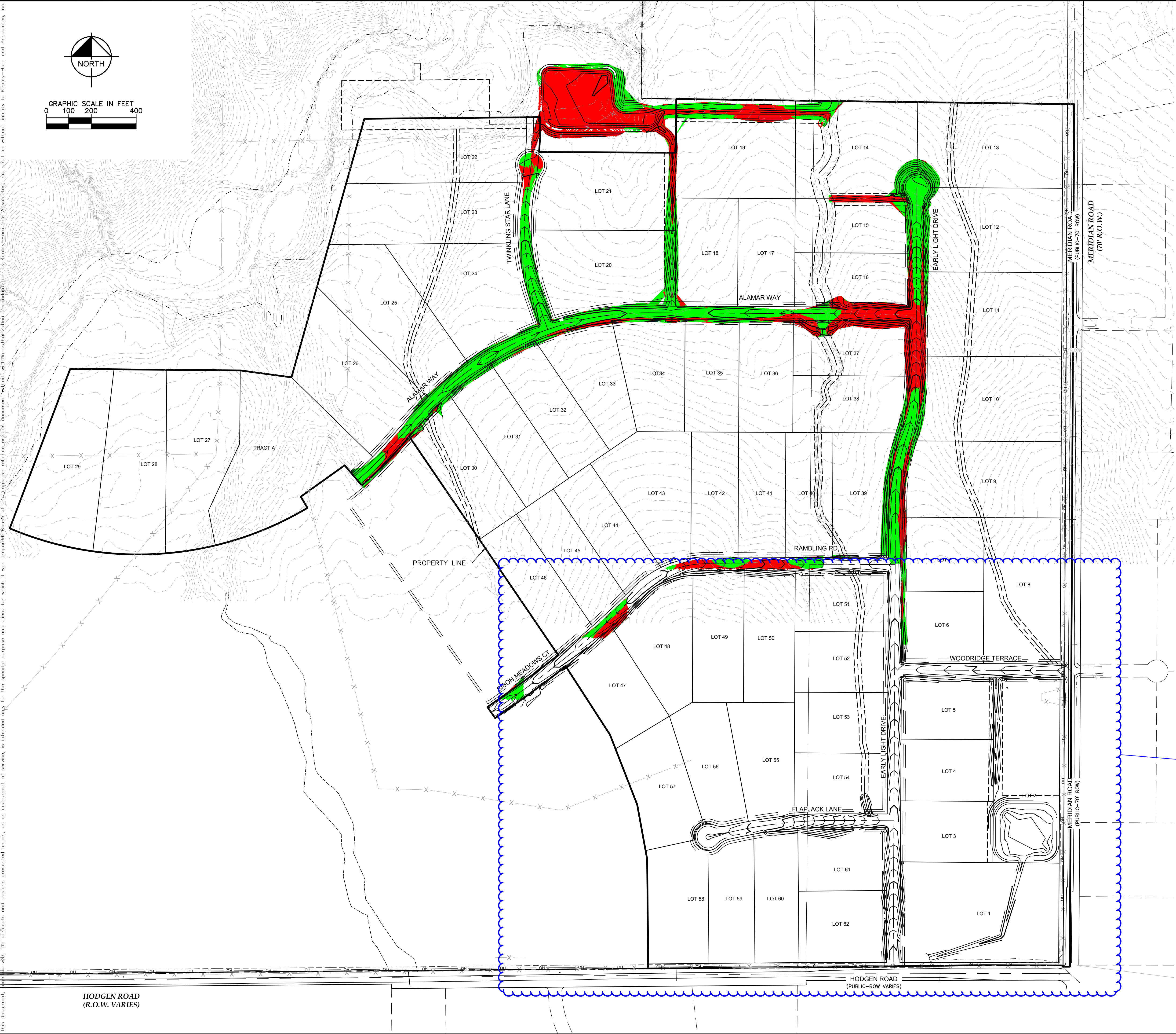
NOTES

- SEE SHEET 2 FOR TYPICAL ROADWAY SECTIONS AND ROADSIDE DITCH CONFIGURATIONS AS LABELED IN PLAN VIEW.
- ALL LOT DRIVEWAY ACCESSES THAT CROSS ROADSIDE DITCHES SHALL REQUIRE A MINIMUM SIZE 18" RCP CULVERT UNLESS OTHERWISE STATED
- INSTALL ECB CENTERED IN THE DITCH BOTTOM. 8' WIDE ROLL PROVIDING 4" OF WETTED PERIMETER ON EACH SIDE OF DITCH. USE WESTERN EXCELSIOR COCONUT/STRAW CS-3 OR MINIMUM EQUIVALENT.



SHEET NUMBER		WINSOME FILING NO. 2		RAMBLING RD		KHA PROJECT		LICENSED PROFESSIONAL		Kimley»»Horn			
17		PREPARED FOR		ROADWAY PLAN AND		DATE		KEVIN KOFFORD		© 2020 KIMLEY-HORN AND ASSOCIATES, INC.			
		WINSOME LLC		PROFILE		01/08/2021				2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903			
						SCALE AS SHOWN		OO LICENSE NUMBER		PHONE: 719-453-0180			
						DESIGNED BY KHTAM		57234		WWW.KIMLEY-HORN.COM			
						DRAWN BY KHTAM							
						CHECKED BY		TLC DATE: --- -- --		No.		REVISIONS	
EL PASO COUNTY		CO								DATE		BY	

Plotted By: Kofford, Kevin Sheet Set: WINSOME P2 Layout: CUT FILL MAP February 18, 2021 12:39:20pm K:\BEN_Civil\196106000_Winsome P2\CADD\PlanSheets\0196106000_CUT_FILL.dwg
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LEGEND

- CUT AREA
- FILL AREA

TOTAL CUT: 62,362 CY
TOTAL FILL: 63,475 CY
NET: 1,113 CY (FILL)*
*RAW NET VALUE- NO FILL FACTOR APPLIED

HODGEN ROAD
(R.O.W. VARIES)

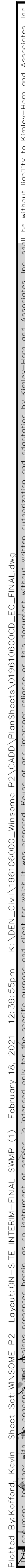
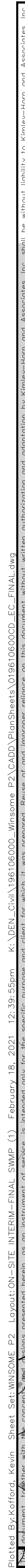
HODGEN ROAD
(PUBLIC-ROW VARIES)

Meridian Road
(Public-70' ROW)

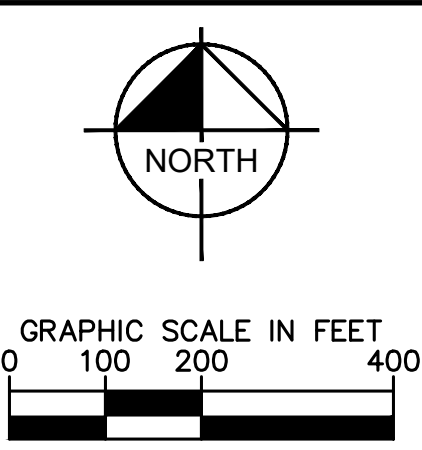
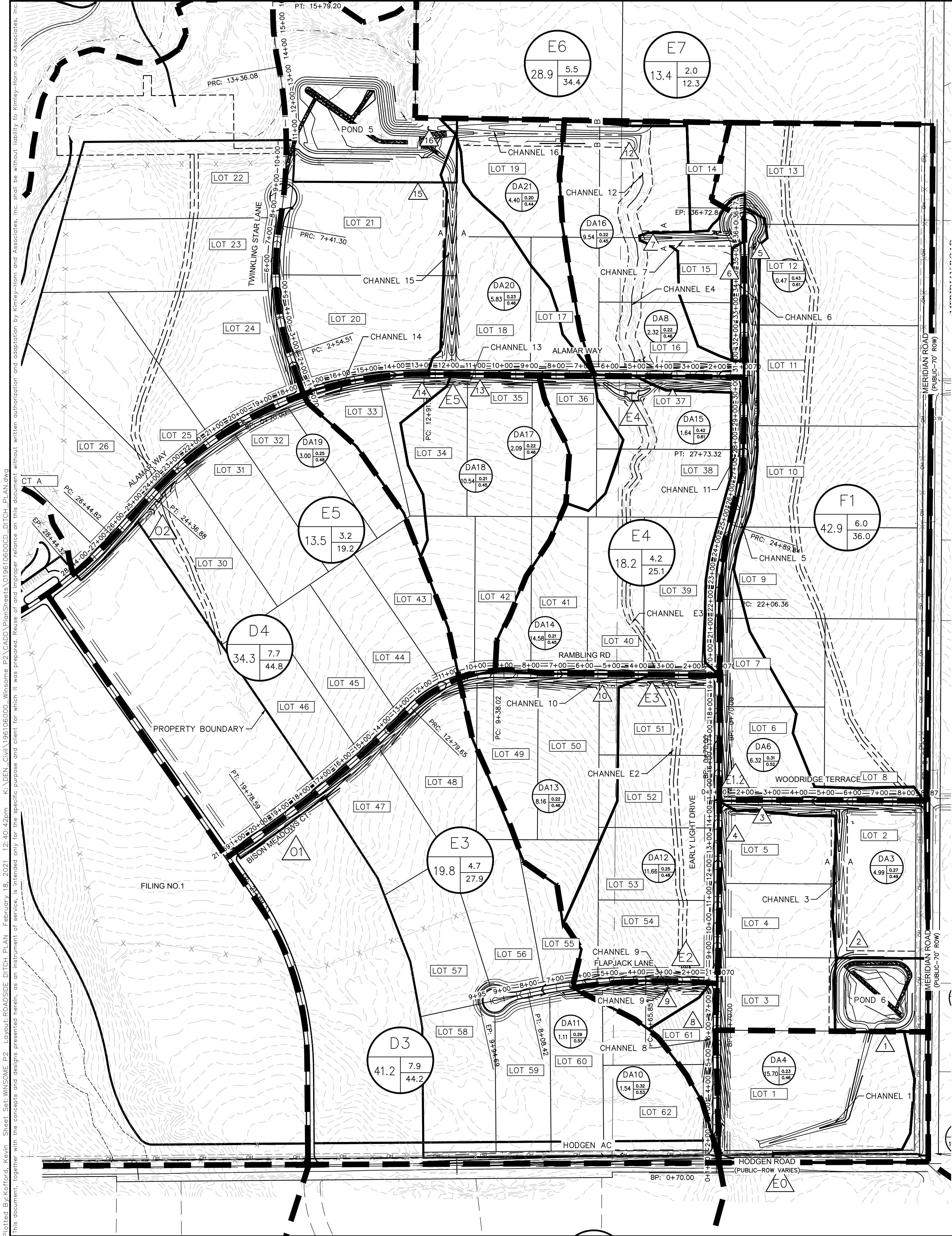
Meridian Road
(70' R.O.W.)

cut/fill designation
missing on southern
part of the project.

WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC	EL PASO COUNTY	SHEET NUMBER 19	KHA PROJECT 019610600	DATE 01/08/2021	SCALE AS SHOWN	DESIGNED BY KHTAM	DRAWN BY KHTAM	CHECKED BY TLC	DATE	LISCENSED PROFESSIONAL KEVIN KOFFORD CO LICENSE NUMBER 57234	Kimley»Horn © 2020 KIMLEY-HORN AND ASSOCIATES, INC. 2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903 PHONE: 719-453-0180 WWW.KIMLEY-HORN.COM	REVISIONS		BY
												No.	DATE	



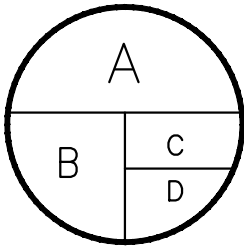
Plotted By: Kafford, Kevin
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K:\DEN_Civil\196106000_Winners_P2\CADD\Impcor.dwg
Revised: 02/18/2021
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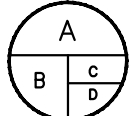
LEGEND

DRAINAGE BASIN AREAS

DRAINAGE SUB-BASIN AREAS



- A - DRAINAGE BASIN
- B - BASIN ACREAGE
- C - 5-YR RUNOFF
- D - 100-YR RUNOFF



- A - DRAINAGE BASIN
- B - BASIN ACREAGE
- C - 5-YR RUNOFF COEFF
- D - 100-YR RUNOFF COEFF



CULVERT DESIGN POINT



CHANNEL DESIGN POINT

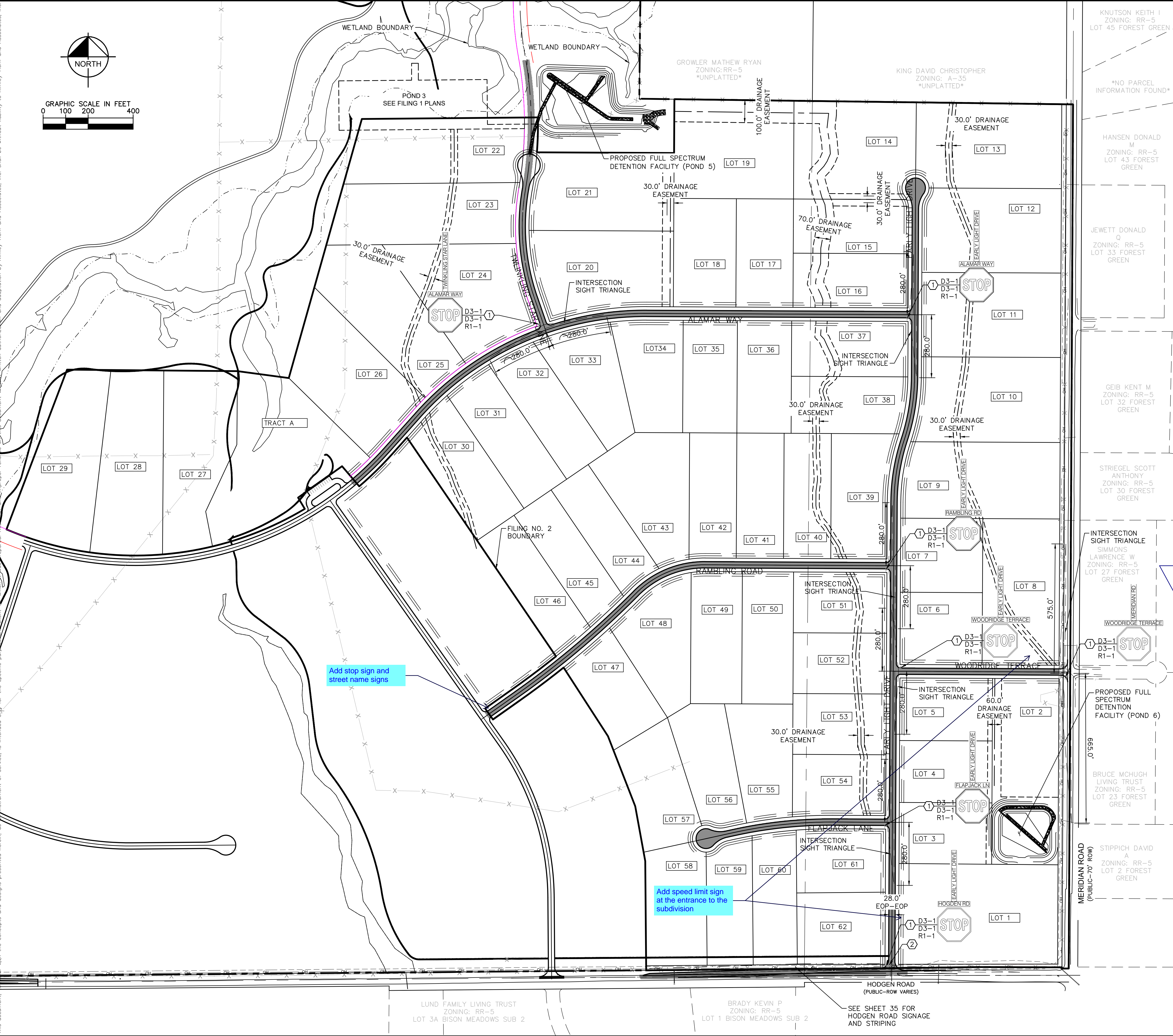
CHANNEL DETAILS TABLE

Staff is unclear what information is being conveyed by the sheet. It seems information are missing from the sheet.

Plotted By: Koford, Kevin Sheet Set: WINSOME F2 Layout: ROADSIDE DITCH PLAN February 18, 2021 12:40:42pm K:\BEN_Civil\196106000_Winsome F2\CADD\PlanSheets\0196106000_DITCH_PLAN.dwg
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SHEET NUMBER 24		EL PASO COUNTY		DATE 01/08/2021		KIMLEY-HORN		KEVIN KOFORD		REVISIONS	
				SCALE AS SHOWN				CO LICENSE NUMBER 57234		No.	
				DESIGNED BY KHTAM							
				DRAWN BY KHTAM							
				CHECKED BY		TLC		DATE			

Plotted By: Kofford, Kevin Sheet Set: WINSOME P2 Layout: ON-SITE STRIPING & SIGNAGE PLAN February 18, 2021 12:41:04pm K:\DEN_Civil\196106000 Winsome P2\CADD\PlanSheets\01961060000_SIGN.dwg
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LEGEND

- PROPERTY LINE
- PROPOSED EASEMENT
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CLASS II GROUND MOUNT SIGN

Identify size

SIGNING AND STRIPING NOTES

- PROPOSED R1-1 STOP SIGN AND D3-1 STREET NAME SIGNS
- 12" STOP BAR. SEE DETAIL ON SHEET C4.6

update sheet reference. No C4.6 on the plan set.

add the sign placement detail on this sheet or reference the CDOT detail.

Include the EPC standard signage and striping notes in the plan set. These notes also applies to sheet 35. Attached

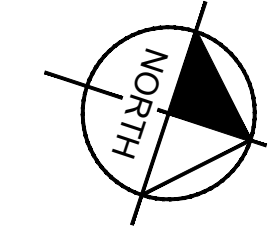
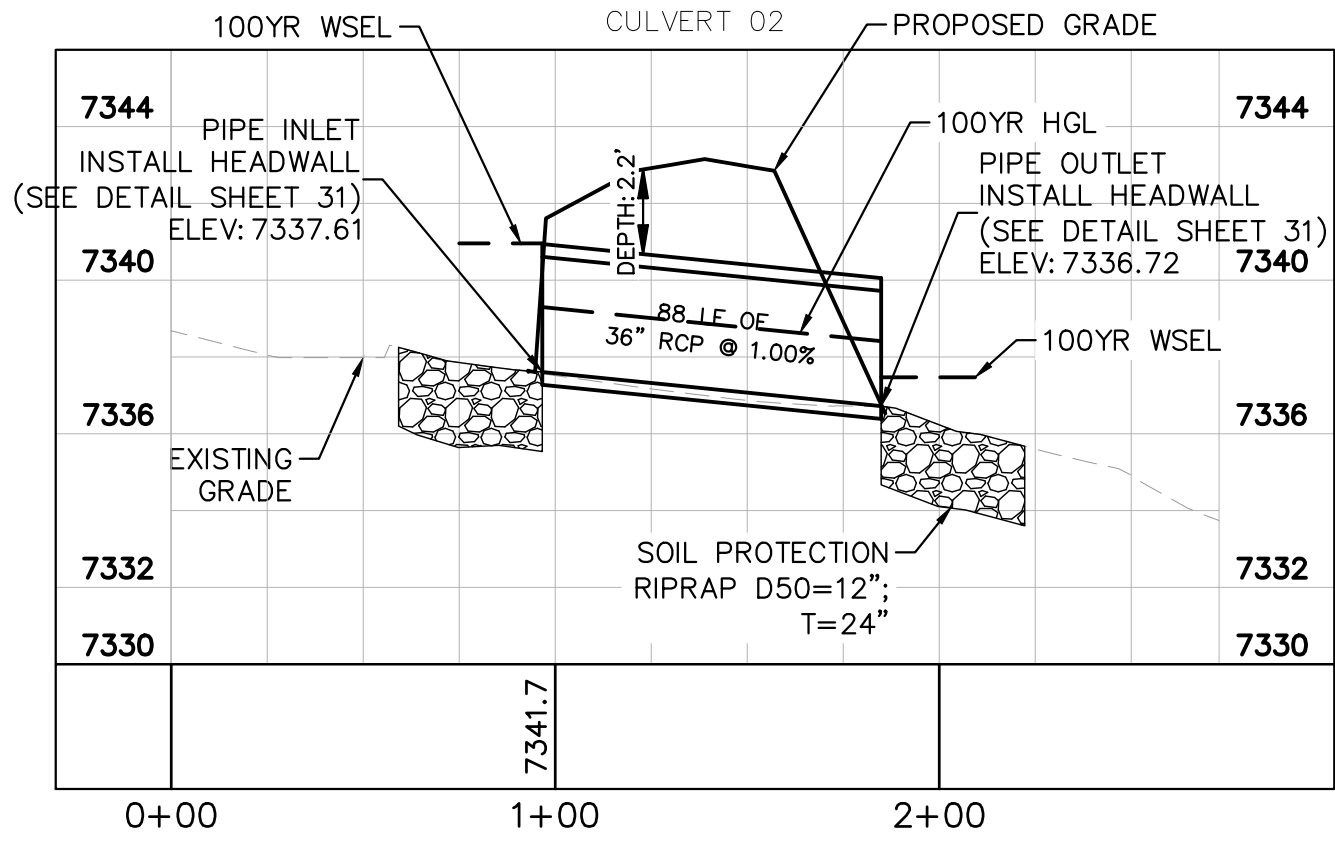
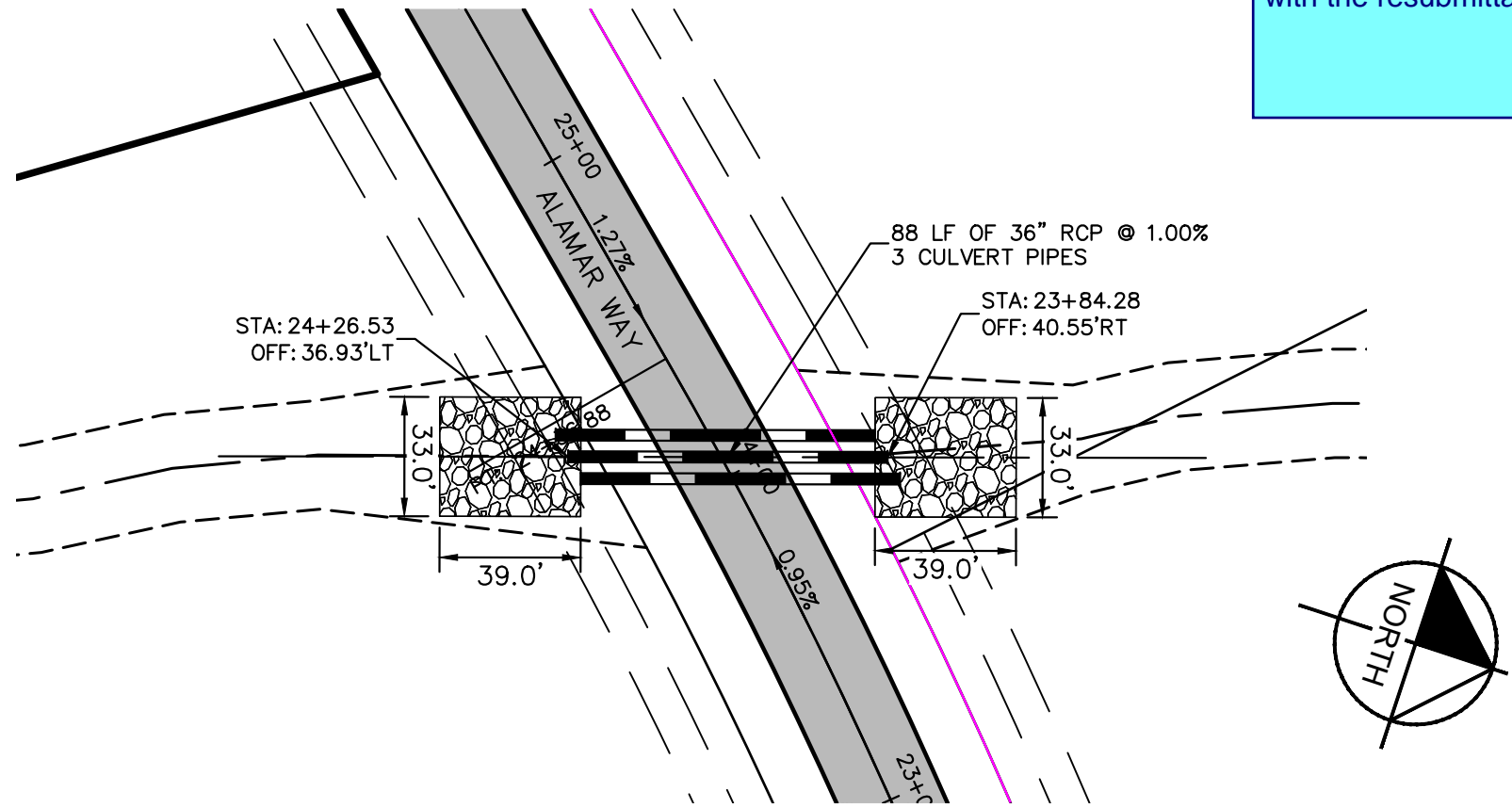


Add stop sign and street name signs

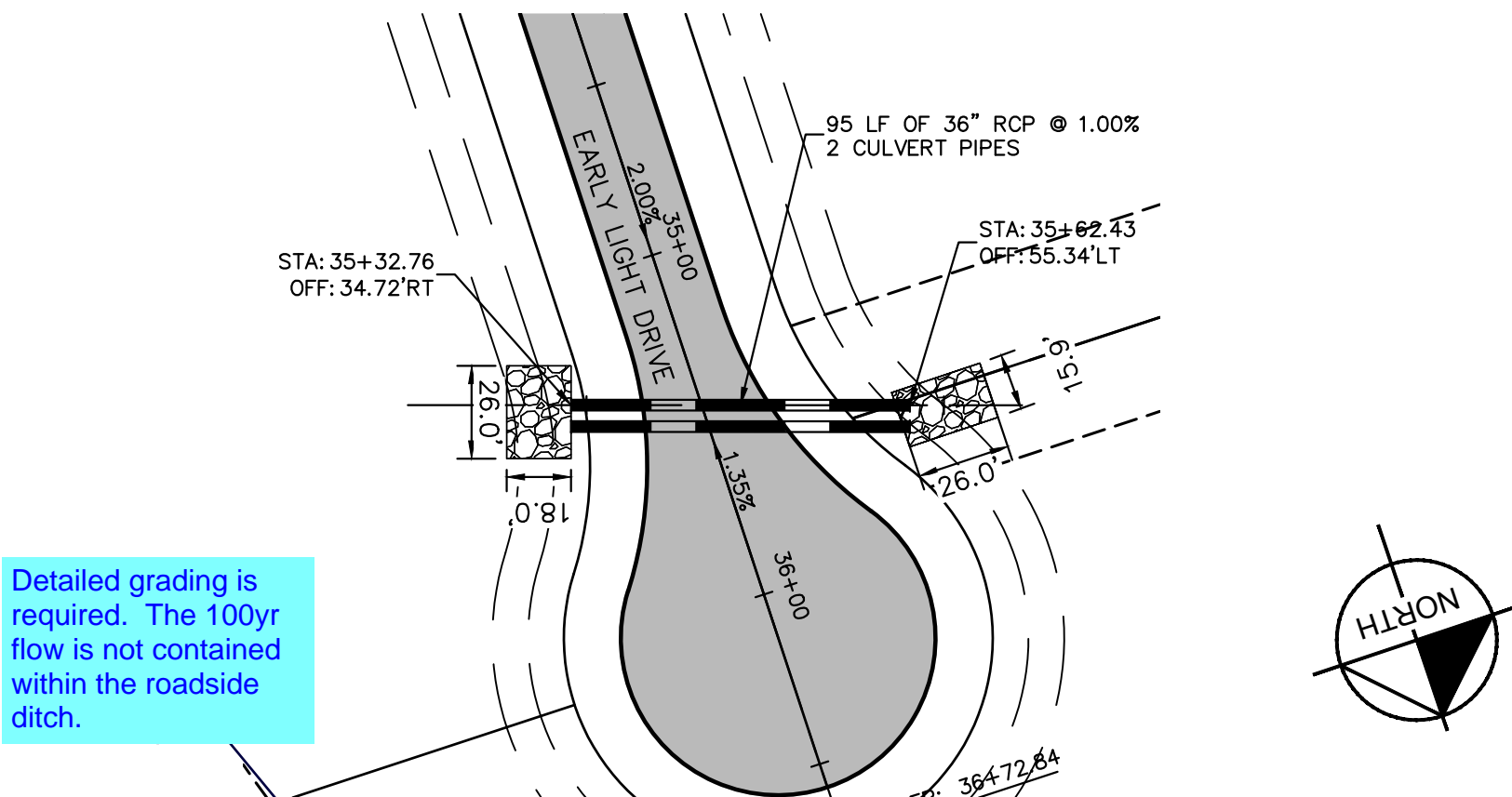
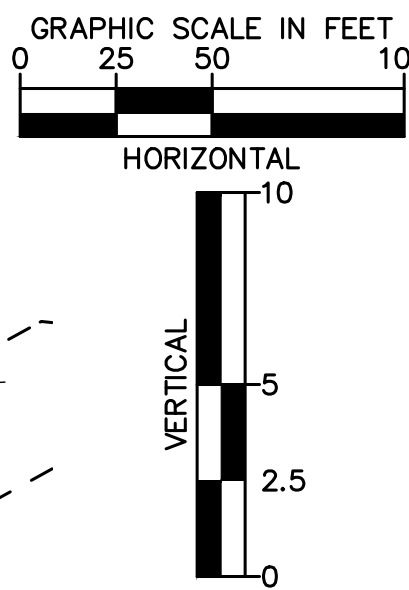
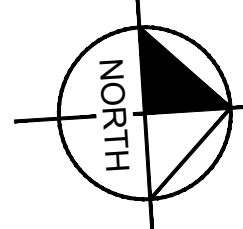
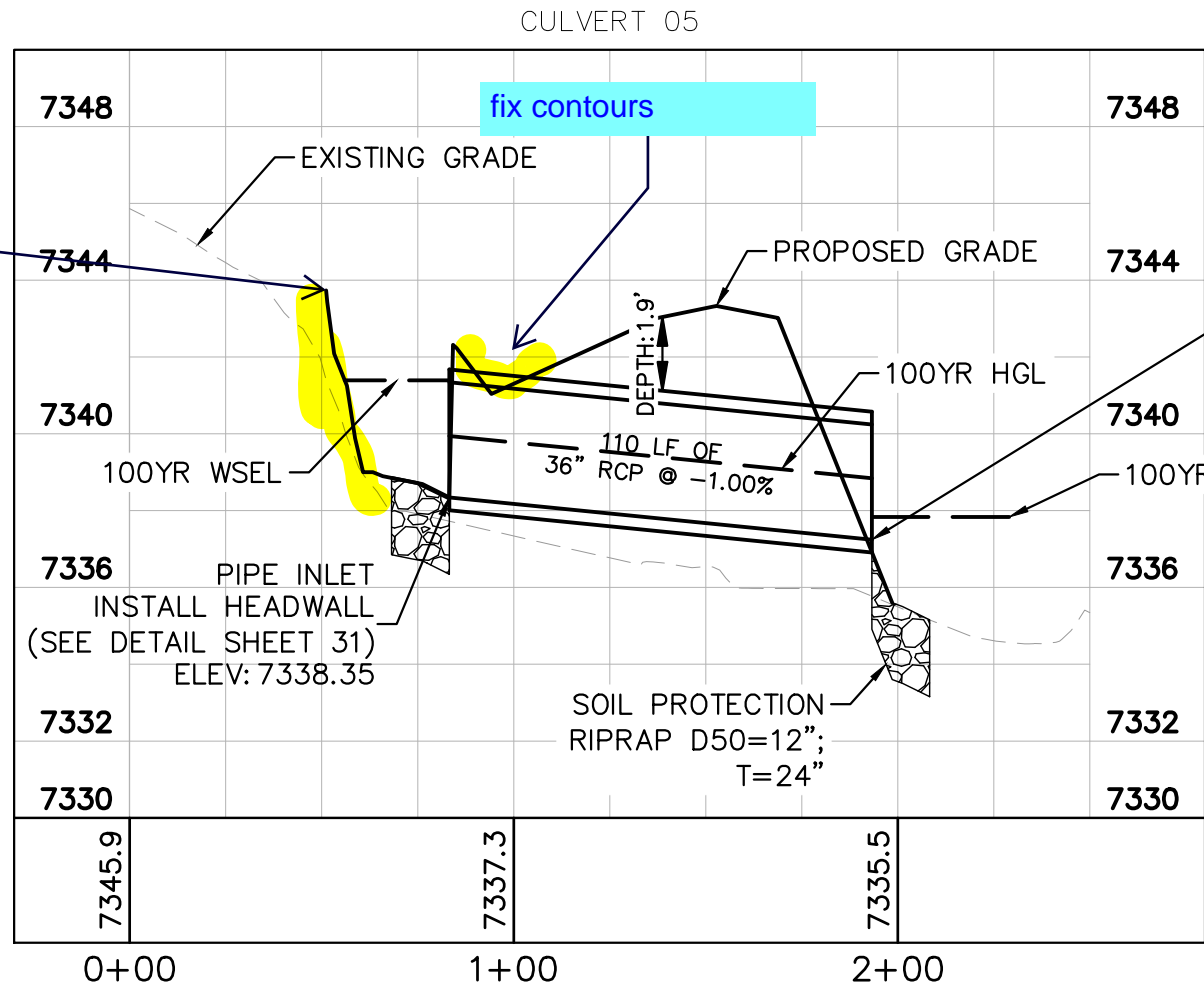
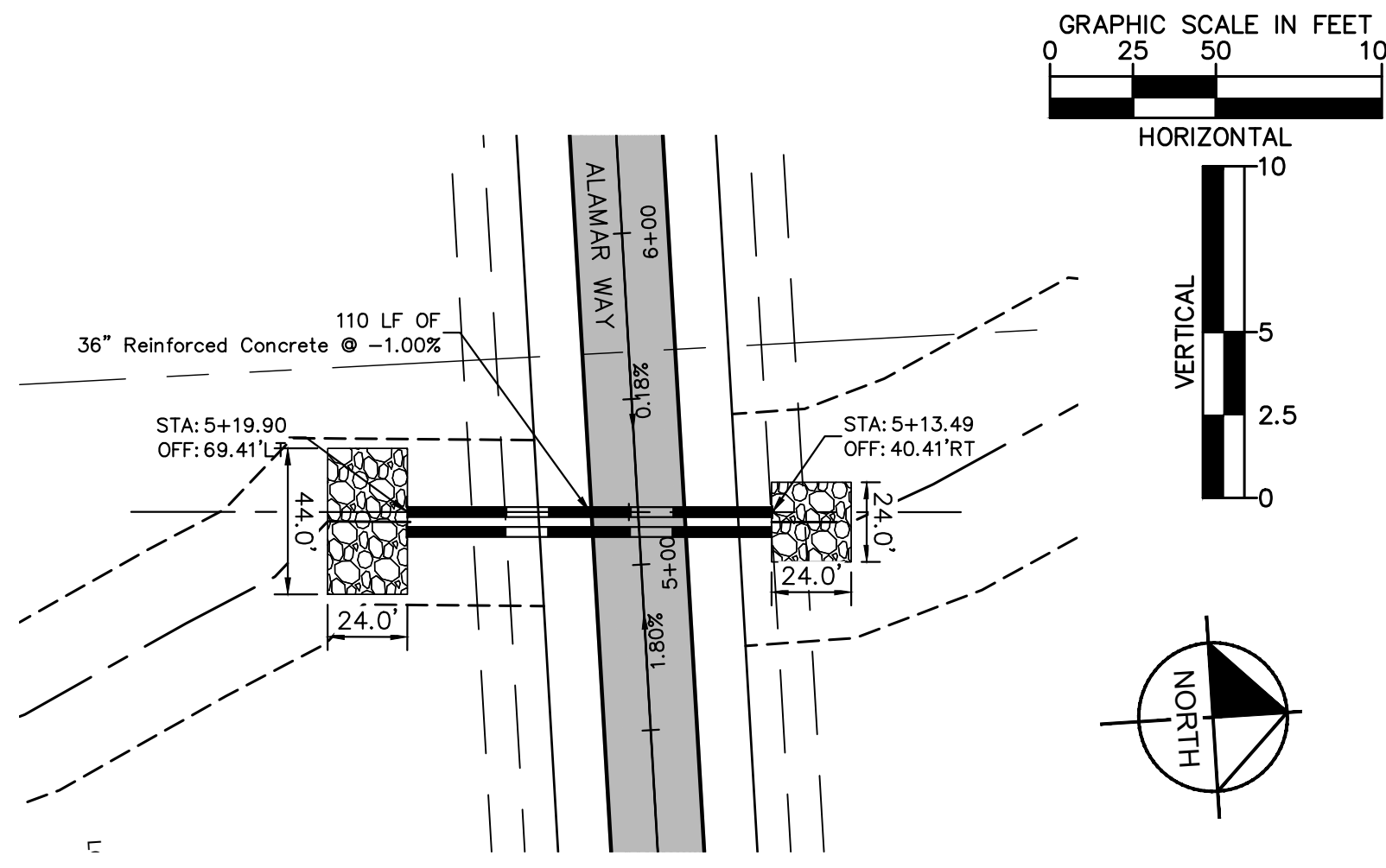
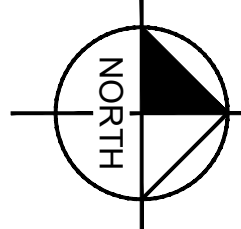
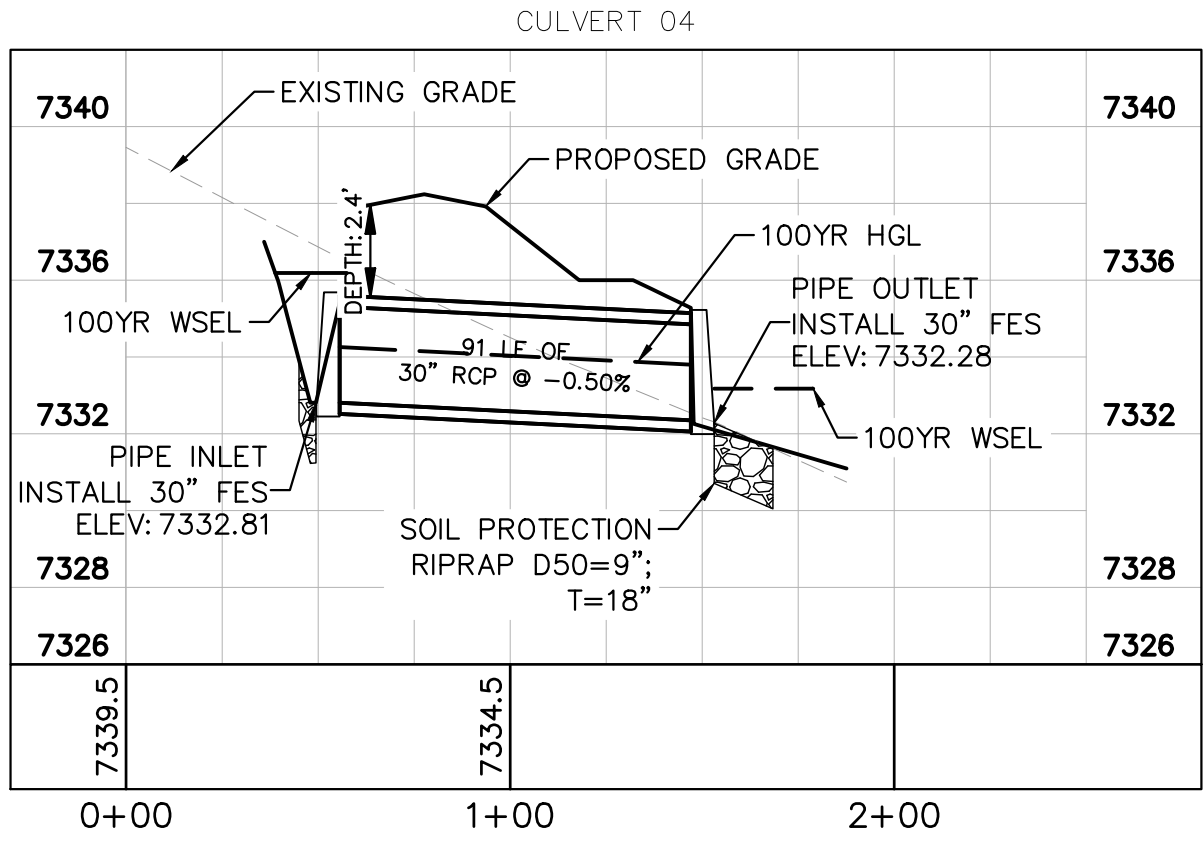
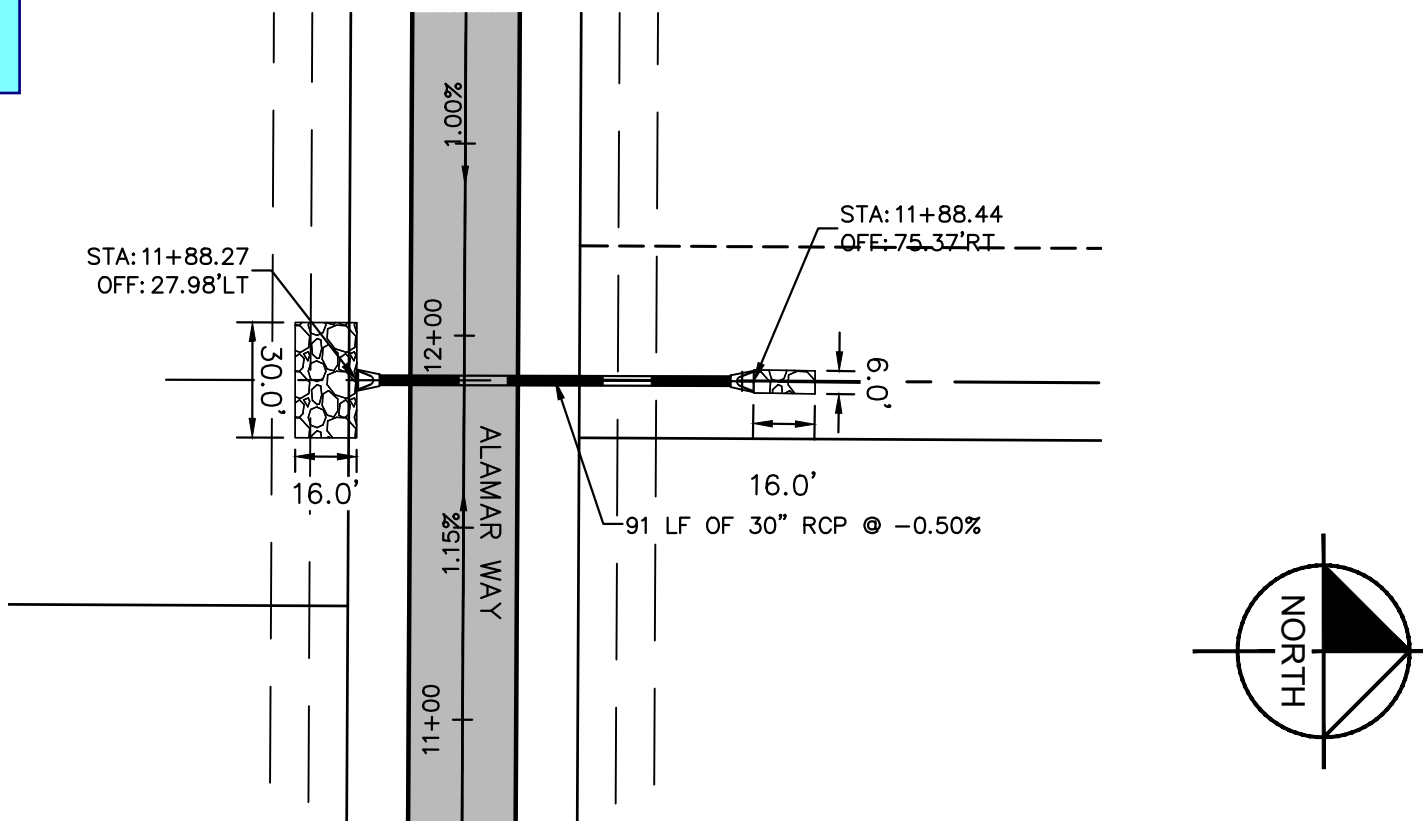
Add speed limit sign at the entrance to the subdivision

WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC		ON-SITE STRIPING & SIGNAGE PLAN		KIMLEY»Horn © 2020 KIMLEY-HORN AND ASSOCIATES, INC. 2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903 PHONE: 719-453-0180 WWW.KIMLEY-HORN.COM	
SHEET NUMBER 25		EL PASO COUNTY		REVISIONS	
				BY DATE	

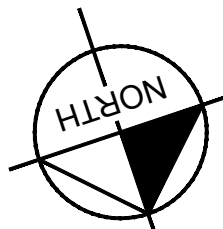
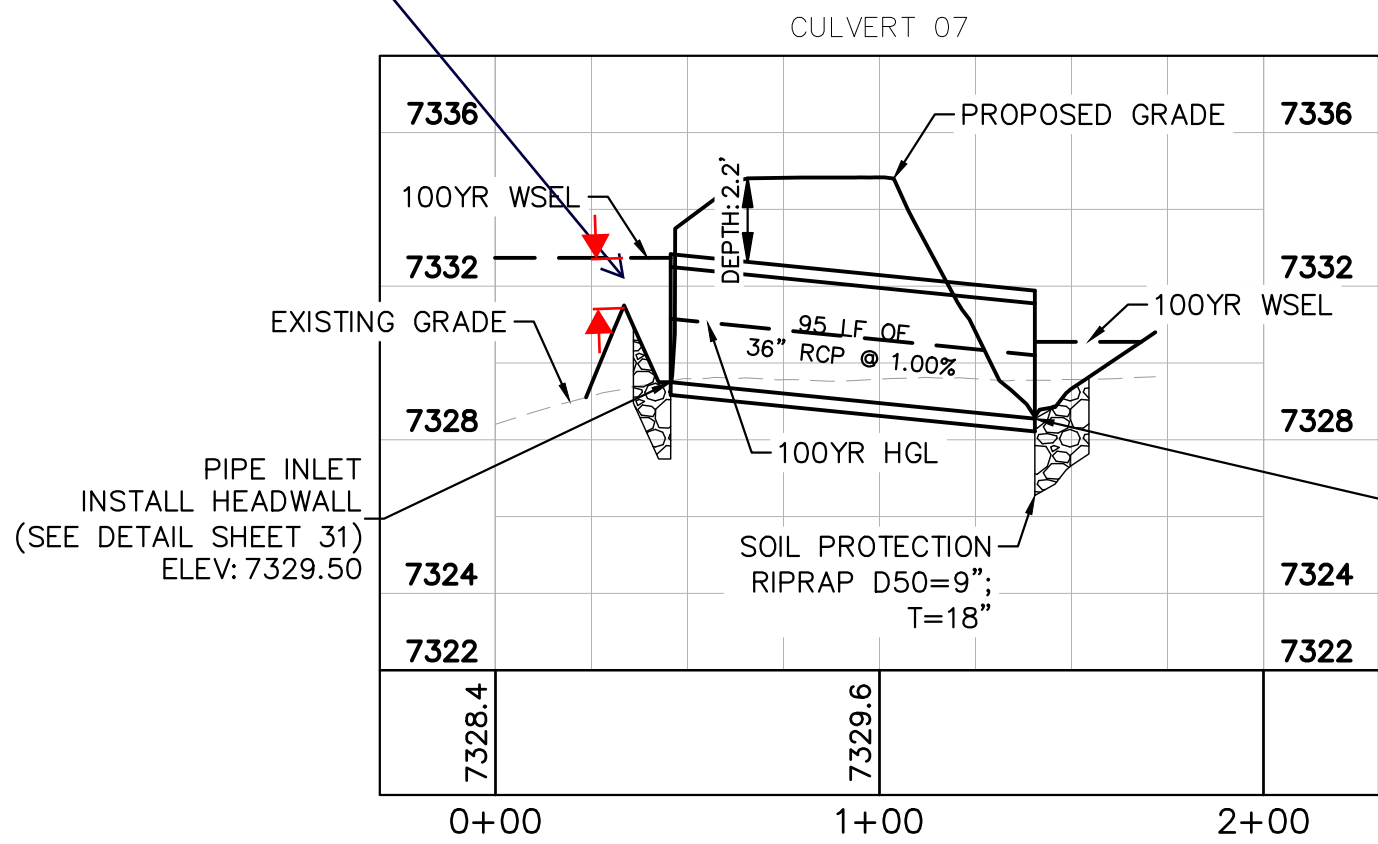
Plotted By: Koford, Kevin Sheet Set: WINSOME P2 - Layout: CULVERT LAYOUT (1) February 18, 2021 12:41:40pm K:\DEN_Civil\196106000_Winsome P2\CADD\PlanSheets\019610600CD_CULVERTS.dwg
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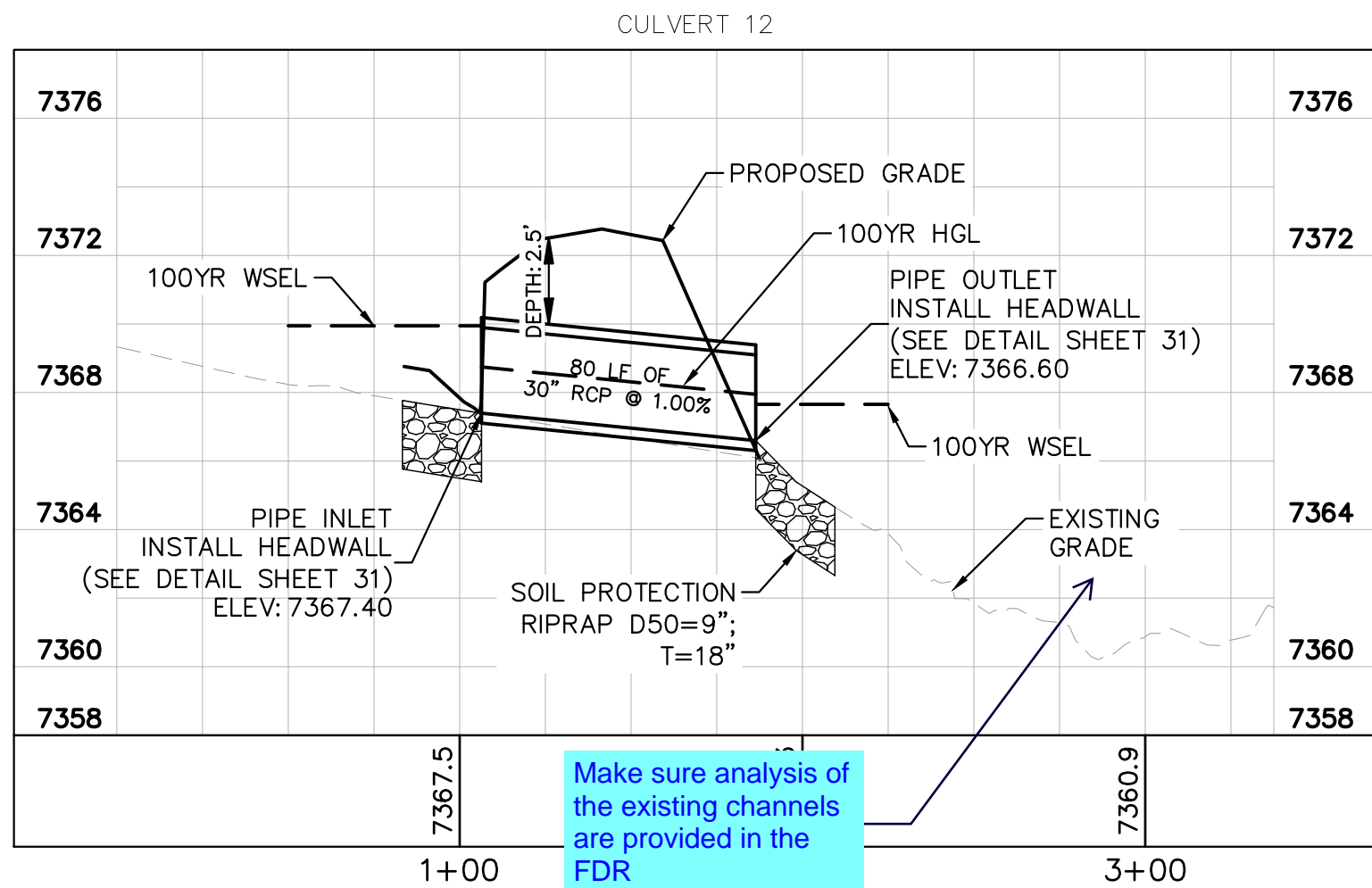
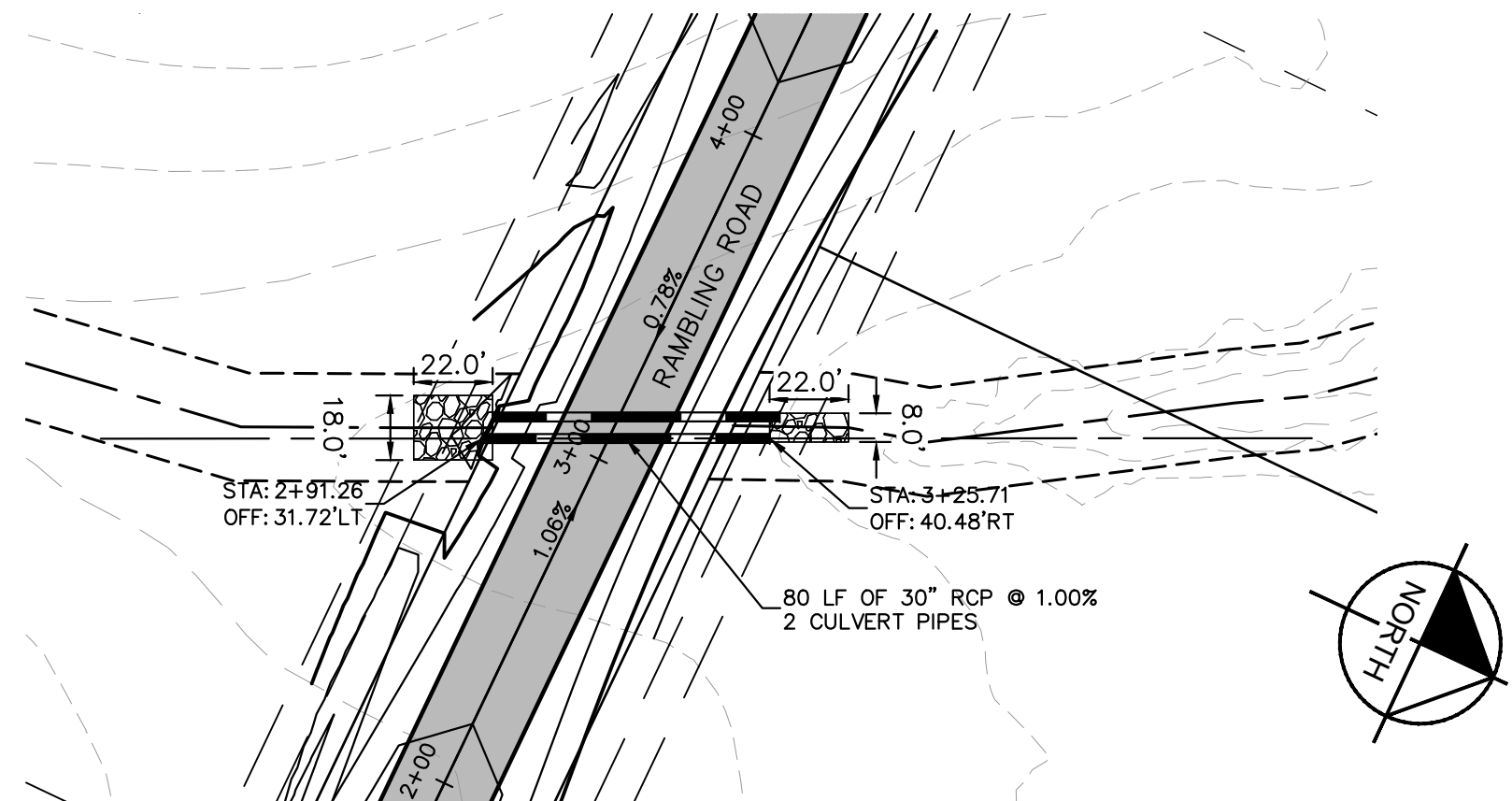
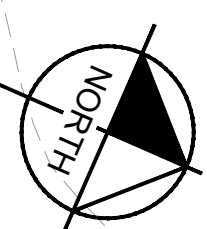
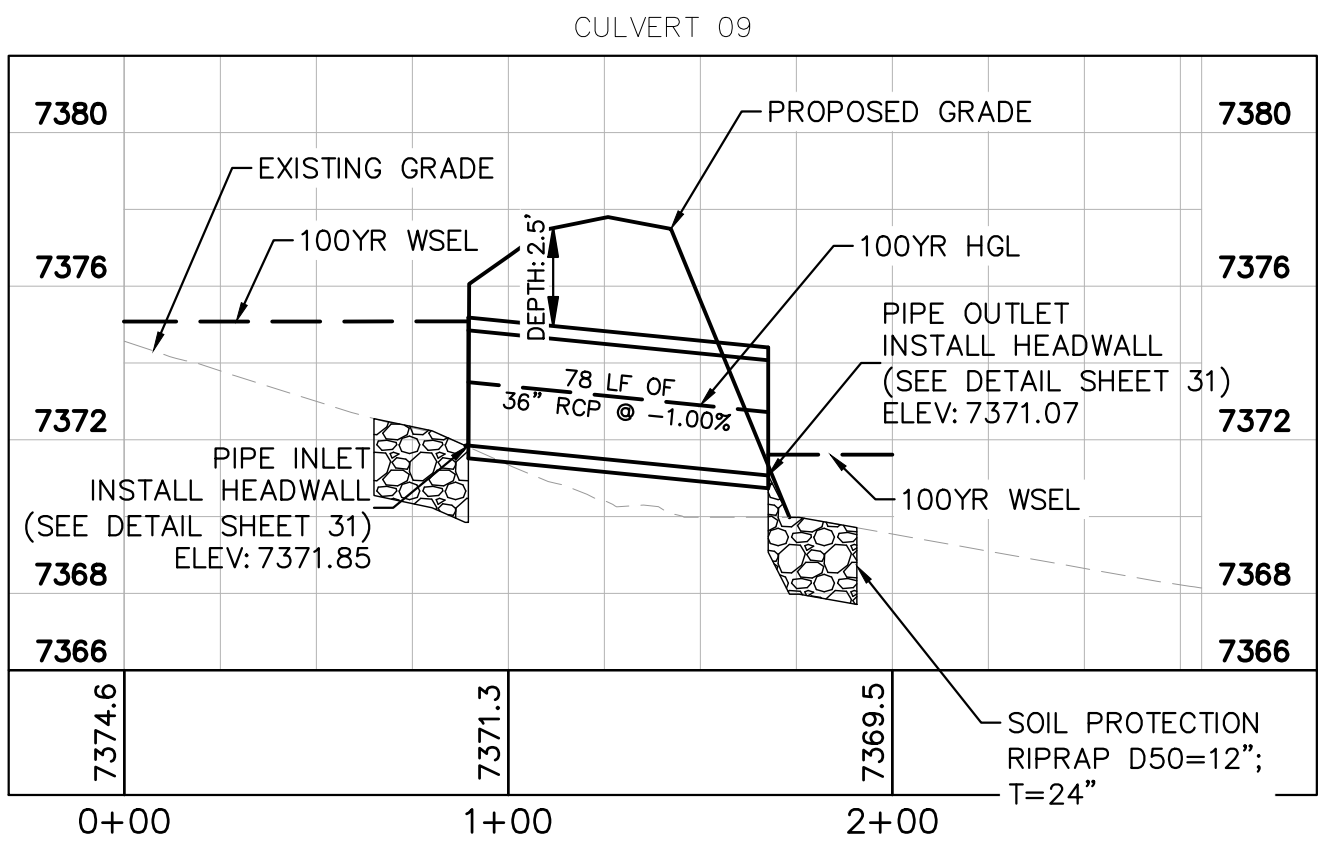
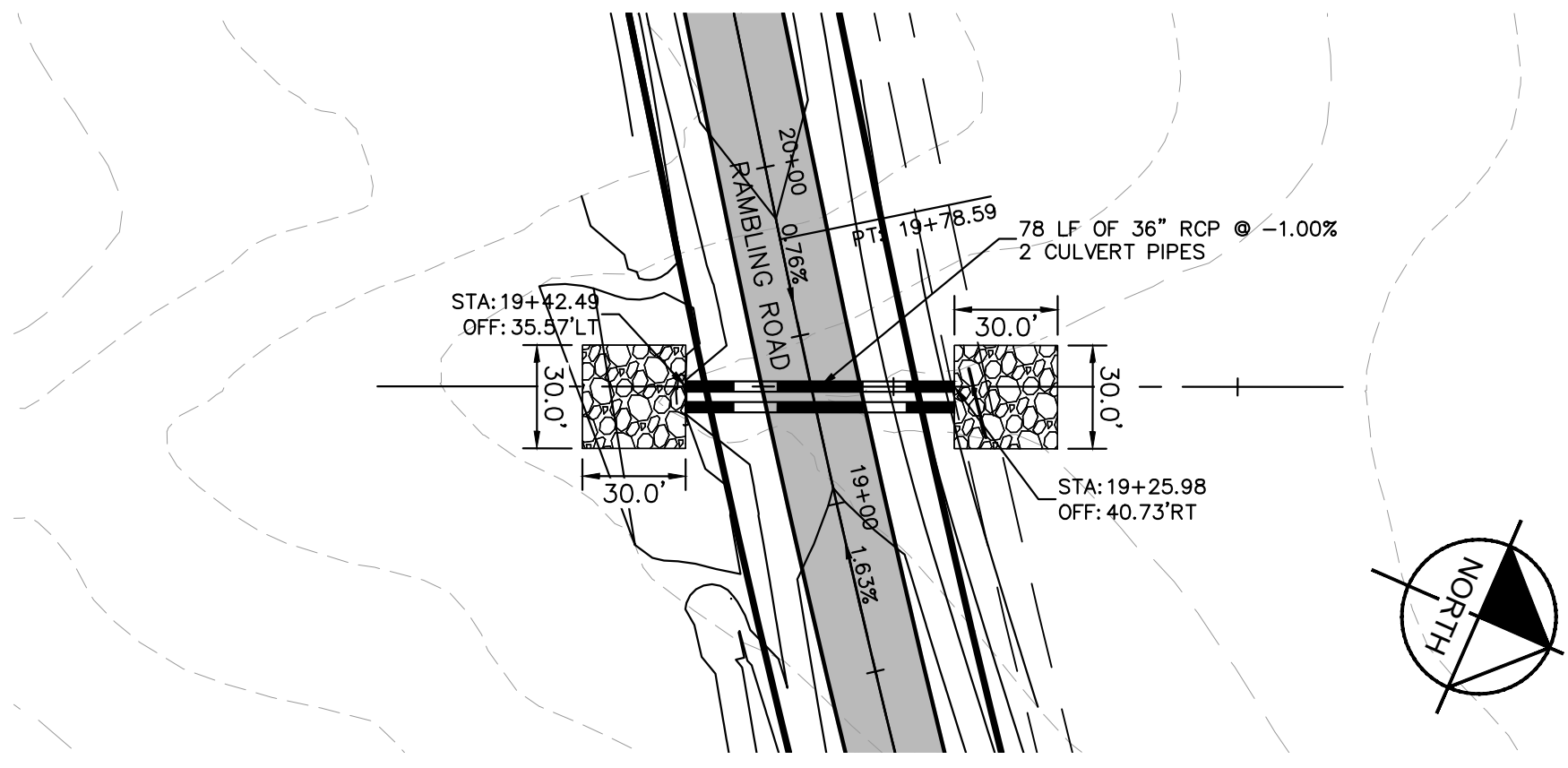
NOTICE: Calculations are missing from the drainage report.
Detailed review of the stormdrain system will be conducted with the resubmittal.



Detailed grading is required. The 100yr flow is not contained within the roadside ditch.



PIPE OUTLET
INSTALL HEADWALL
(SEE DETAIL SHEET 31)
ELEV: 7328.55

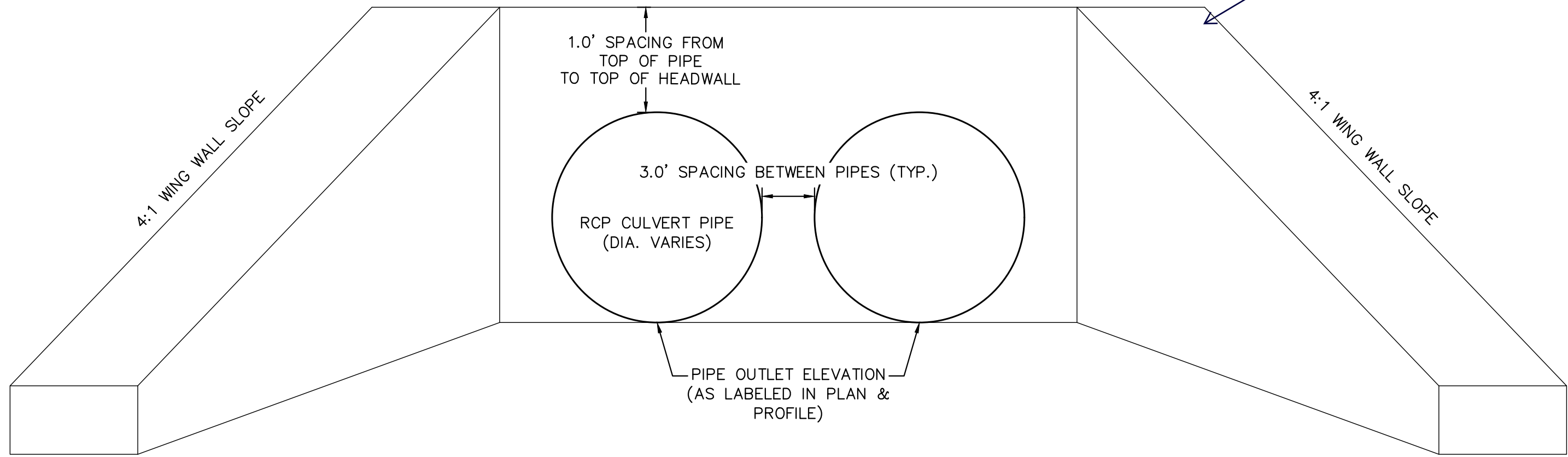
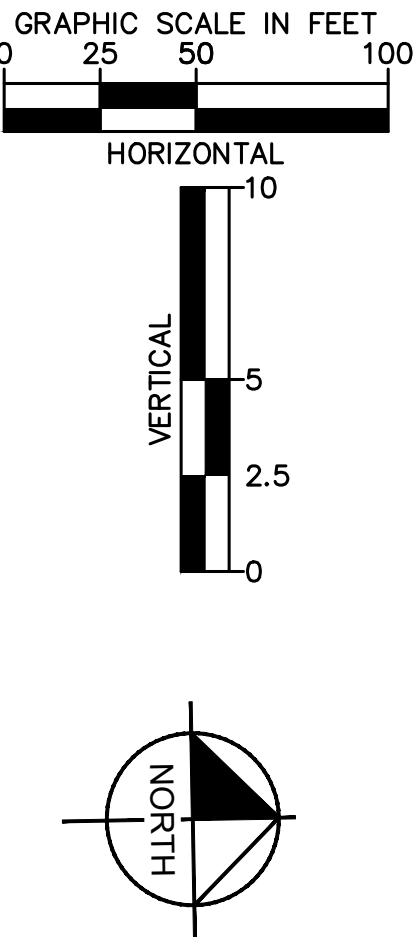
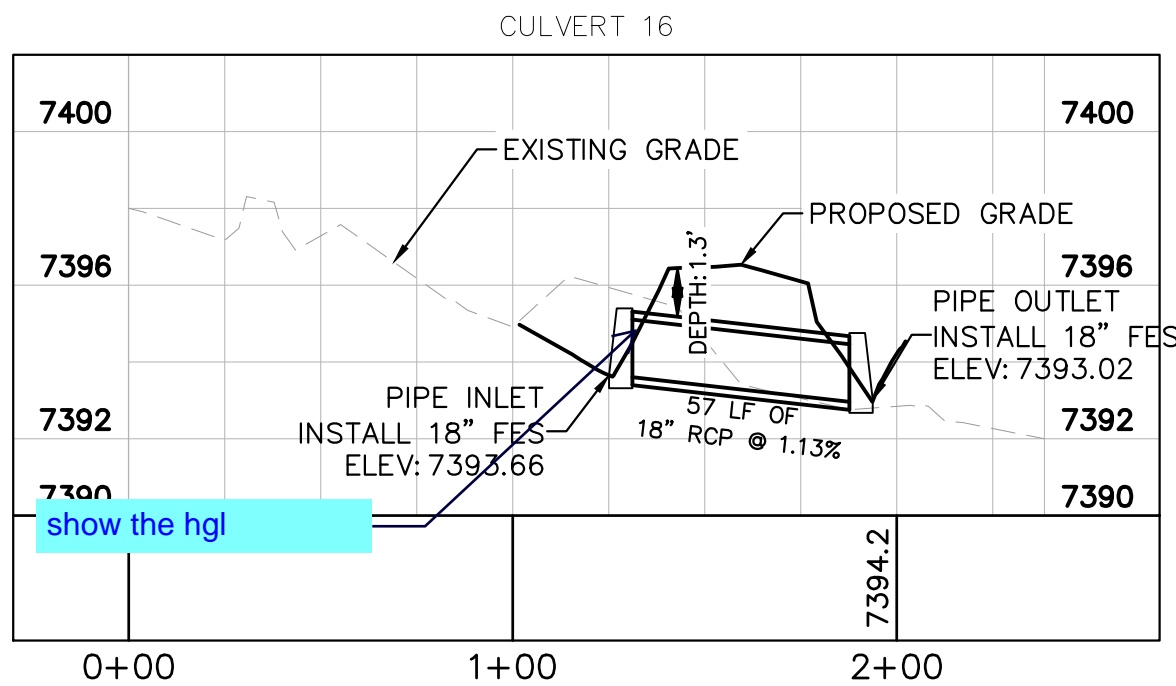
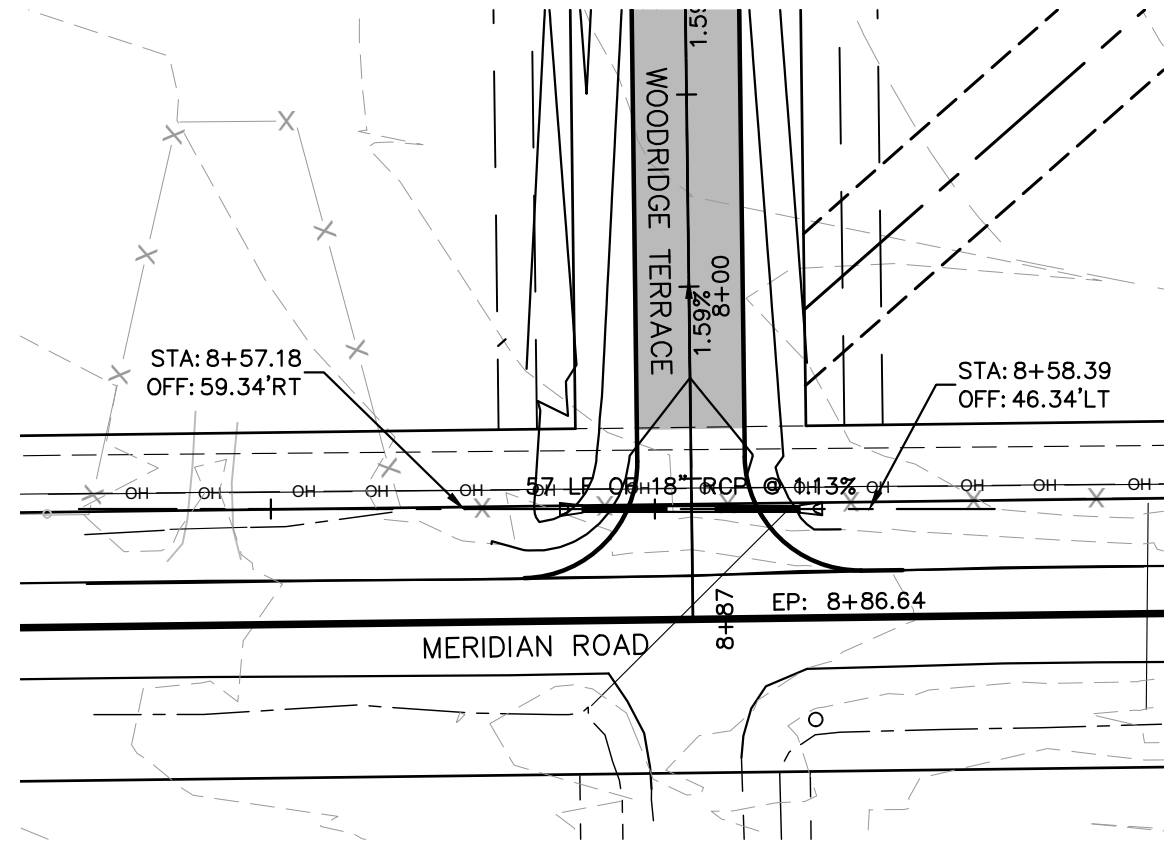
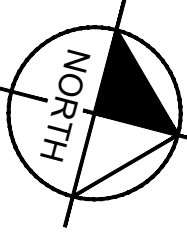
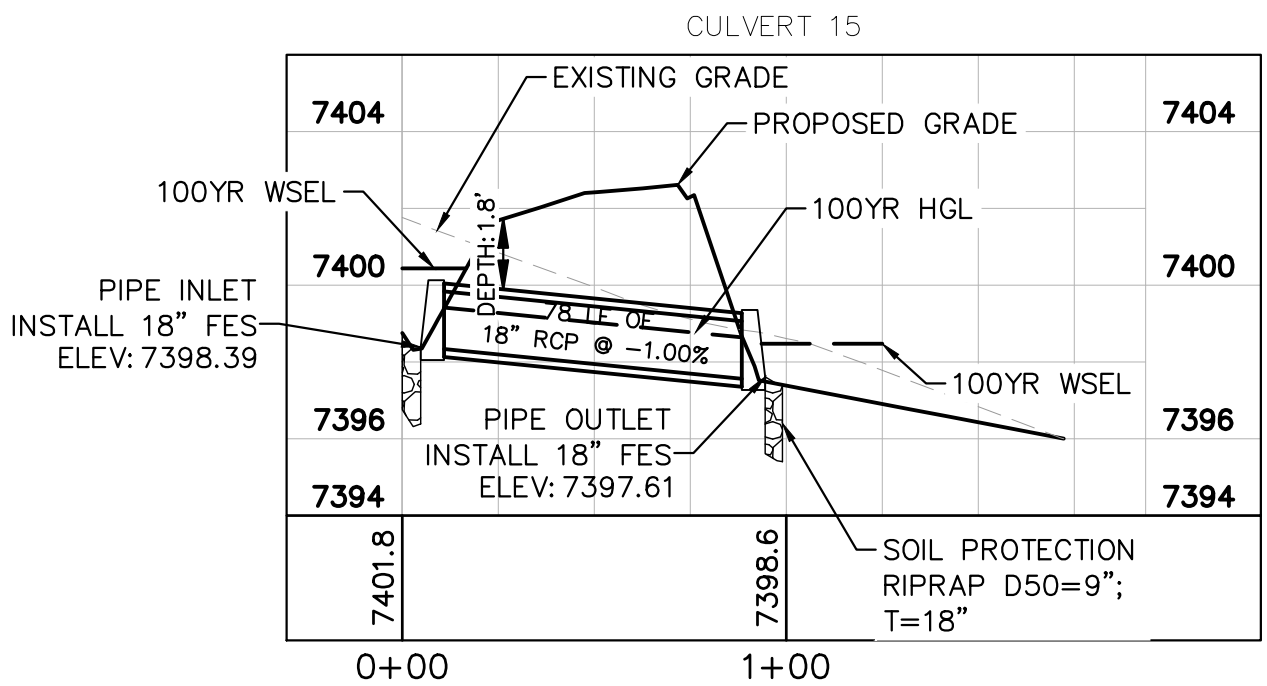
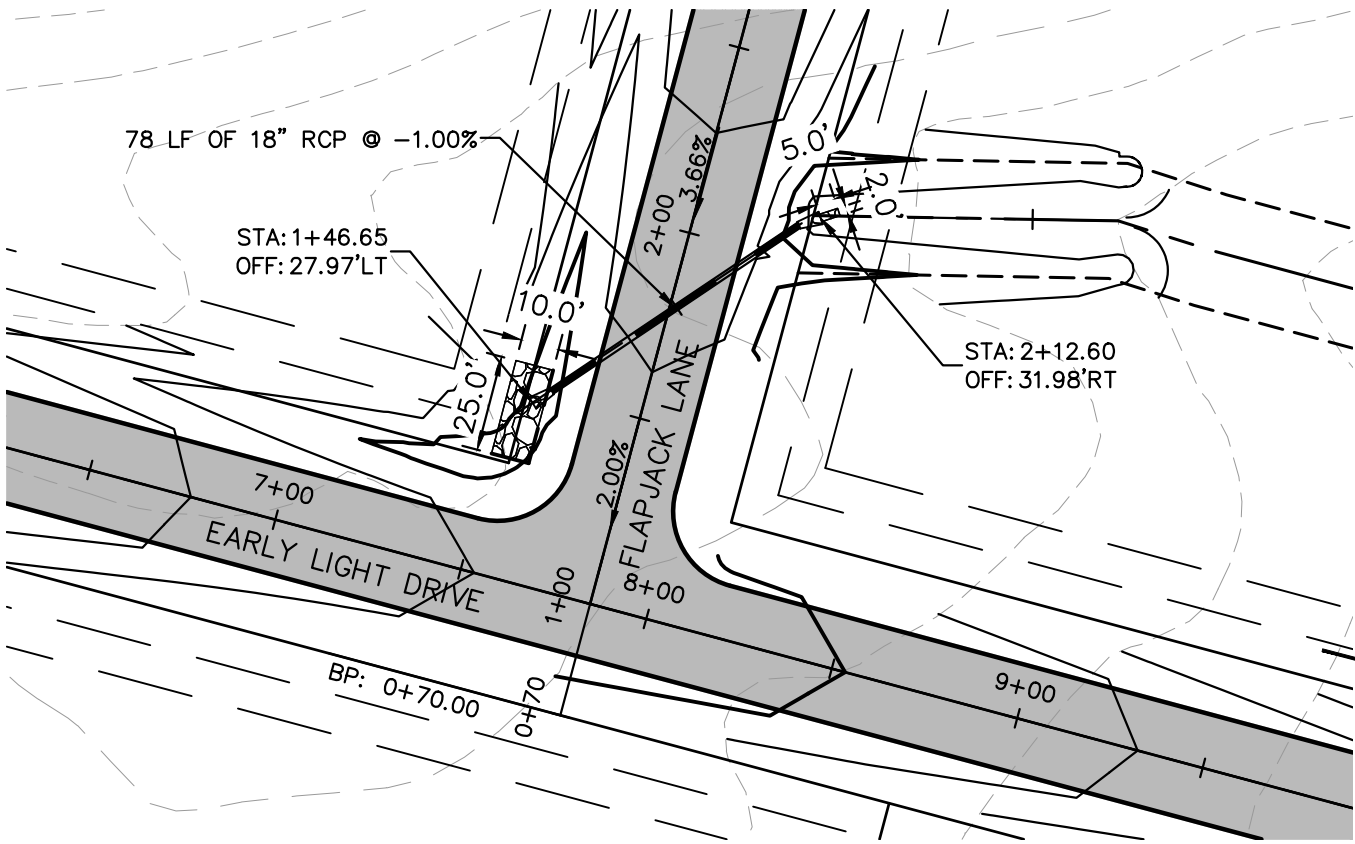
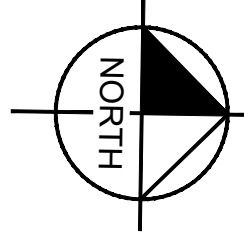
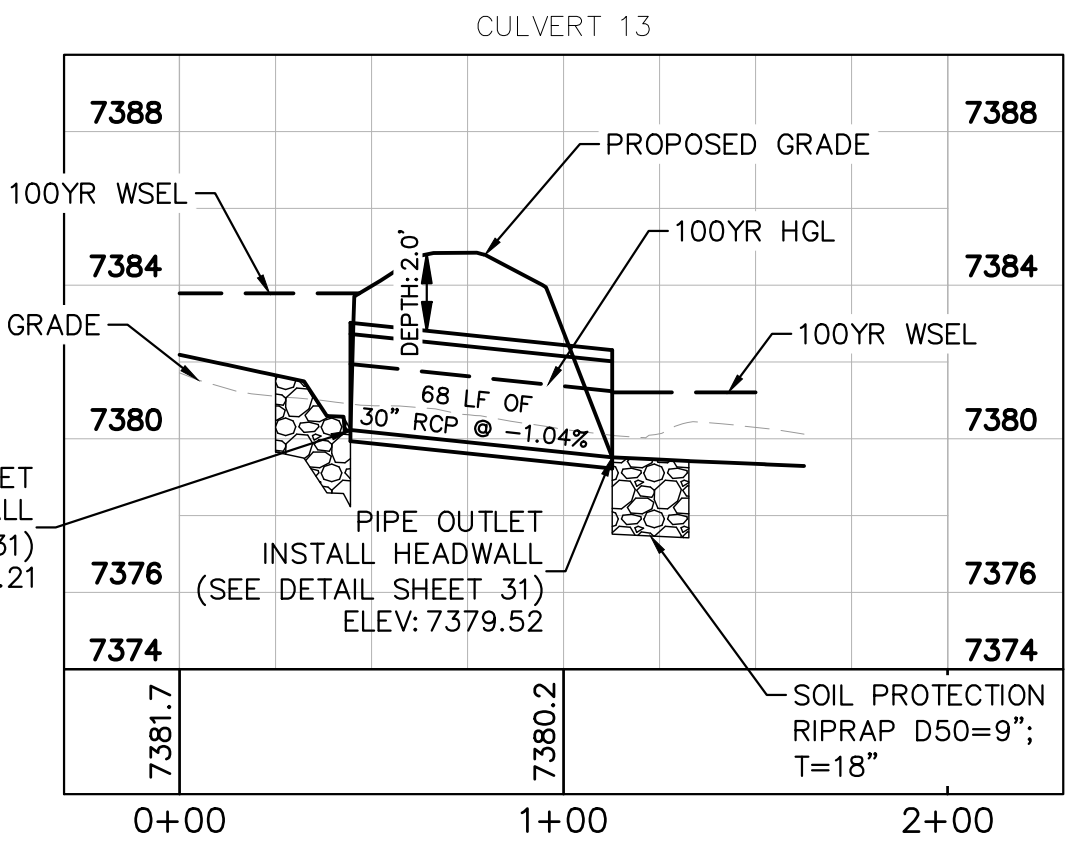
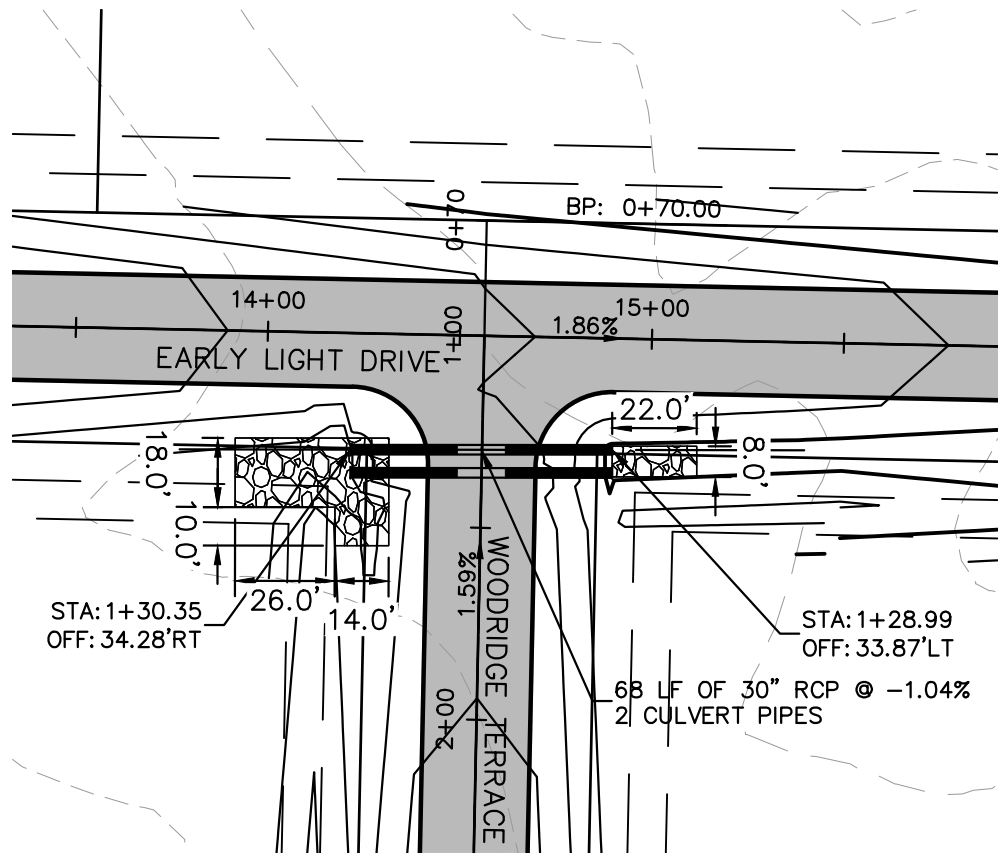


Make sure analysis of
the existing channels
are provided in the
FDR

KHA PROJECT 019610600		KIMLEY-HORN & ASSOCIATES, INC. 2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903 PHONE: 719-453-0180 WWW.KIMLEY-HORN.COM	
DATE 01/08/2021	SCALE AS SHOWN	CHECKED BY KHTAM	BY DATE
WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC		REVISIONS	
SHEET NUMBER 26		EL PASO COUNTY	

Plotted By: Kofford, Kevin Sheet Set: WINSOME P2 Layout: CULVERT LAYOUT (2) February 18, 2021 12:41:48pm K:\DEN_Civil\196106000-Winsome P2\CADD\PlanSheets\019610600CD-CULVERTS.dwg
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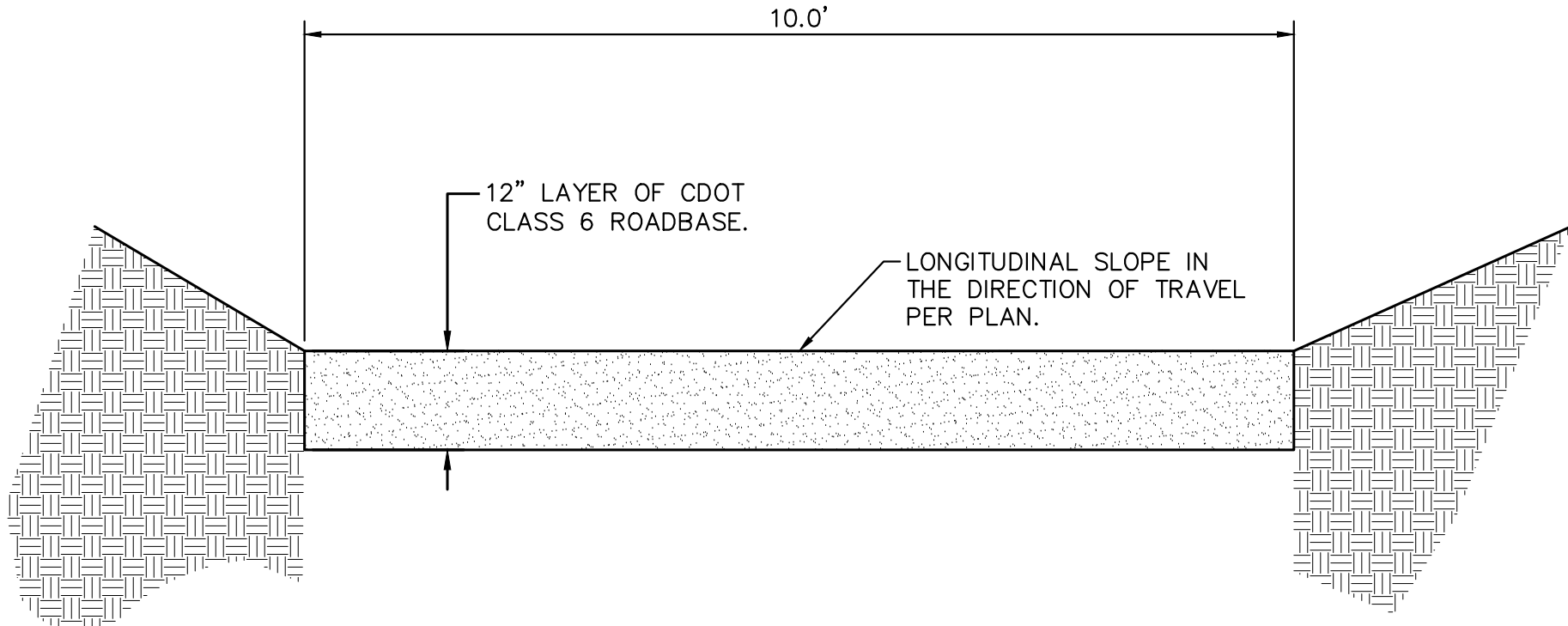
Show the headwall on the plan set. Check and make sure these headwalls and wingwalls are outside the clearzone. See ECM 2.3.5



CULVERT HEADWALL DETAIL
NTS

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

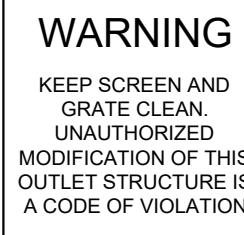
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SCALE AS SHOWN		DESIGNED BY KHTAM		© 2020 KIMLEY-HORN AND ASSOCIATES, INC. 2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903 PHONE: 719-453-0180 WWW.KIMLEY-HORN.COM		No.		DATE	
DRAWN BY KHTAM		CHECKED BY		LISCENSED PROFESSIONAL KEVIN KOFFORD CO LICENSE NUMBER 57234		EL PASO COUNTY		SHEET NUMBER 27	
WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC		CO							



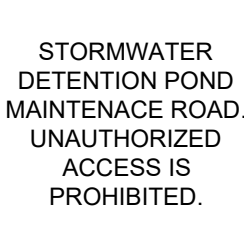
MAINTENANCE ROAD CROSS SECTION

DETENTION POND SIGNAGE NOTES

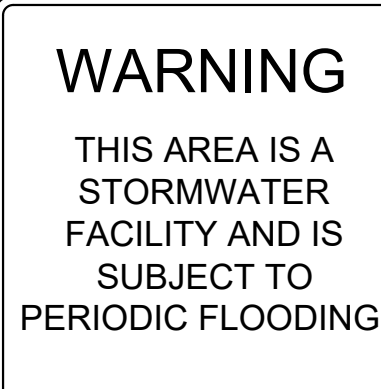
- SIGN 1. A SIGN WITH A MINIMUM AREA OF 1.0 SQUARE FOOT SHALL BE ATTACHED TO THE DETENTION POND OUTLET STRUCTURE OR POSTED ON THE RETAINING WALL ADJACENT TO THE OUTLET STRUCTURE (IF UNABLE TO BE POSTED TO THE OUTLET) WITH THE FOLLOWING MESSAGE: "WARNING KEEP SCREEN AND GRATE CLEAN. UNAUTHORIZED MODIFICATION OF THIS OUTLET STRUCTURE IS A CODE VIOLATION."
- SIGN 2. A SIGN WITH A MINIMUM AREA OF 1.0 SQUARE FOOT SHALL BE PLACED ADJACENT TO THE DETENTION POND ACCESS ROAD WITH THE FOLLOWING MESSAGE: "STORMWATER DETENTION POND MAINTENANCE ROAD. UNAUTHORIZED ACCESS IS PROHIBITED."
- SIGN 3. TWO SIGNS, EACH WITH A MINIMUM AREA OF 3.0 SQUARE FEET, SHALL BE POSTED IN THE LOCATIONS SHOWN ON SHEET C5.1. THE SIGNS SHALL BE FABRICATED OF DURABLE MATERIALS, SUCH AS METAL OR PLASTIC, USING RED LETTERING ON A WHITE BACKGROUND WITH THE FOLLOWING MESSAGE: "WARNING THIS AREA IS A STORMWATER FACILITY AND IS SUBJECT TO PERIODIC FLOODING".



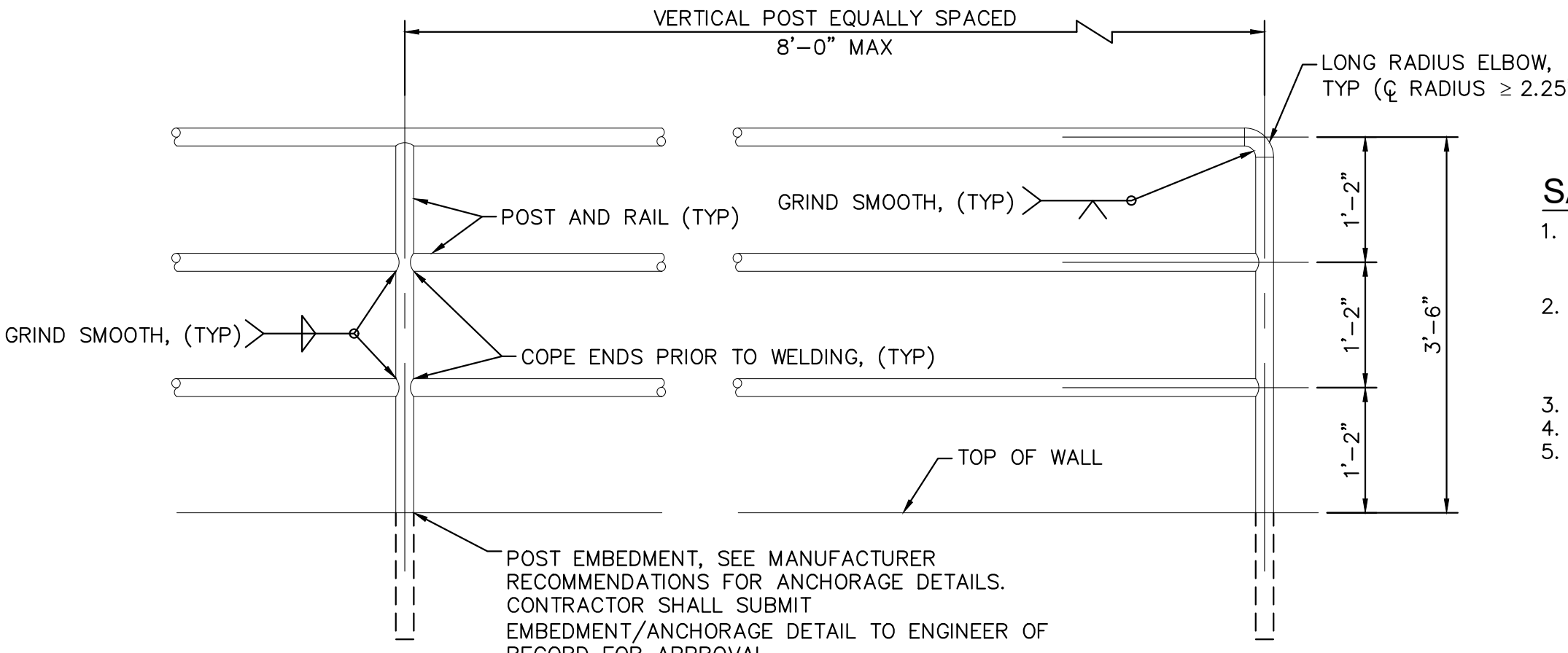
SIGN



SIGN :

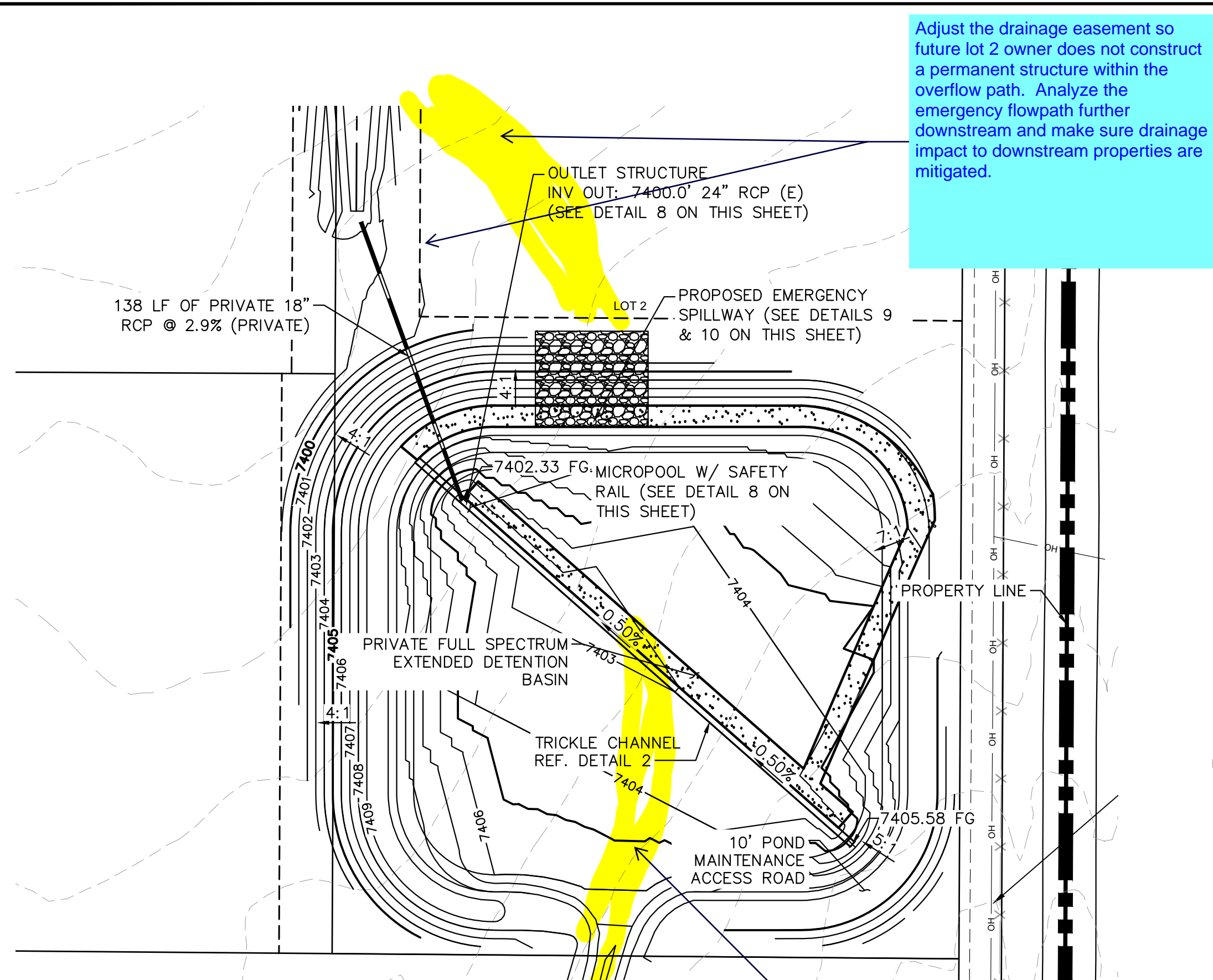


SIGN 3

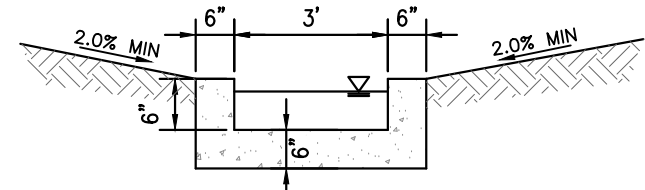


SAFETY RAILING NOTES

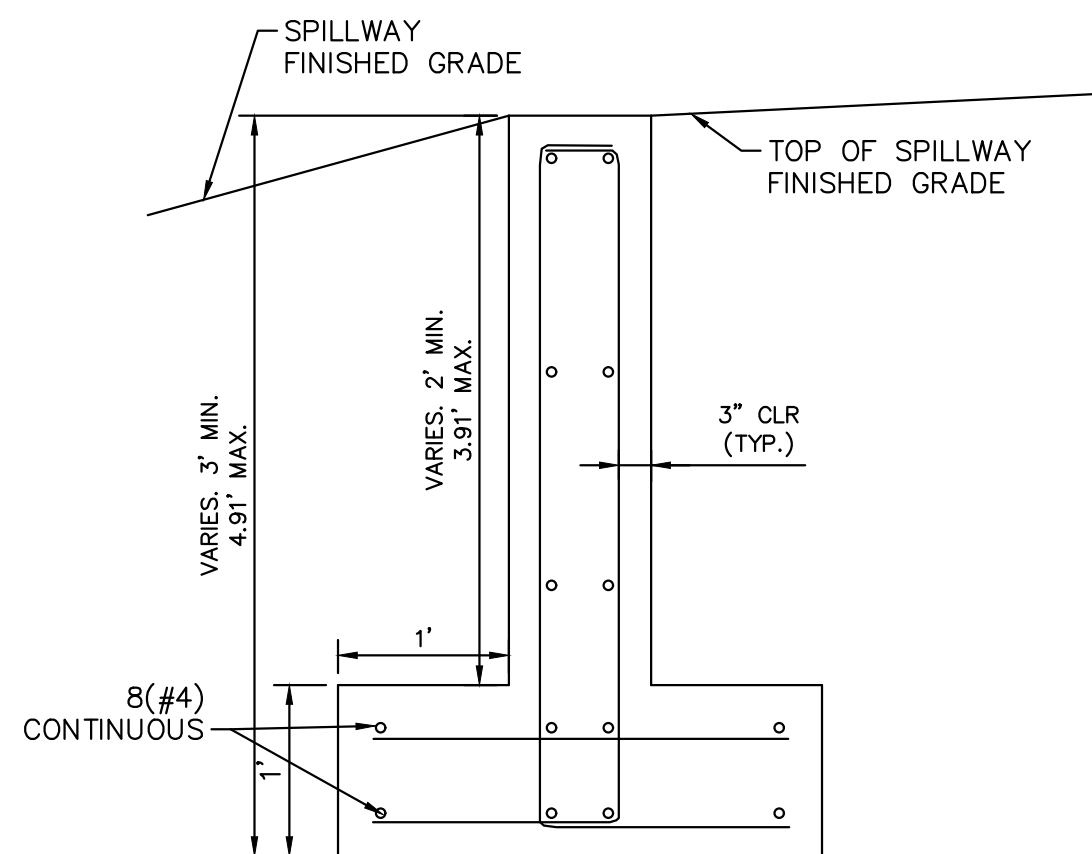
1. STEELS AND RAILS SHALL BE 1.5" SCHEDULE 40 POST PIPE ASTM A 53, GRADE B (2.72 #/F, 1.9 O.D.).
2. SHOP PRIME RAIL WITH RUST INHIBITING PRIMER (FIELD REPAIR PRIMER AS NEEDED). RAIL FINISH PAINT SHALL BE BENJAMIN MOORE (BM) 1001 (4B) NORTH CREEK BROWN, SATIN FINISH.
3. VERTICAL POSTS TO BE EVENLY SPACED.
4. REMOVE ALL SHARP EDGES.
5. THE ANCHORAGE EMBEDMENT SHALL BE LOCATED BEHIND THE MSE BLOCK WALL AND ANCHORED PER MANUFACTURER RECOMMENDATIONS.



1 **POND 6 PLAN VIEW**
N.T.S.

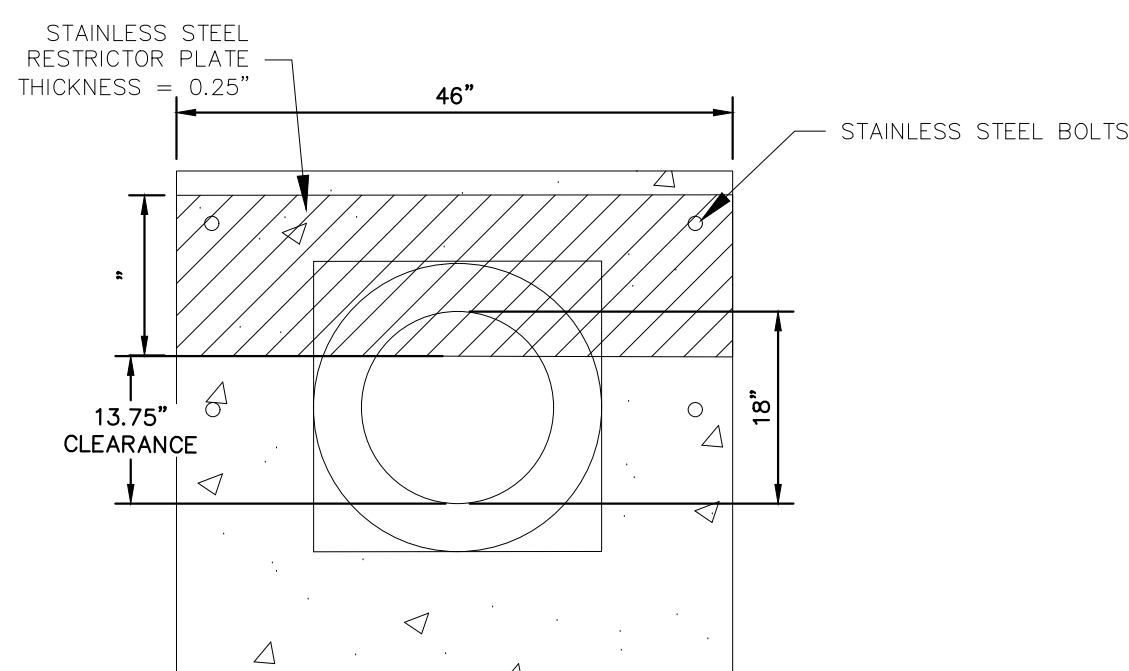


CONCRETE
TRICKLE CHANNEL
N.T.S.

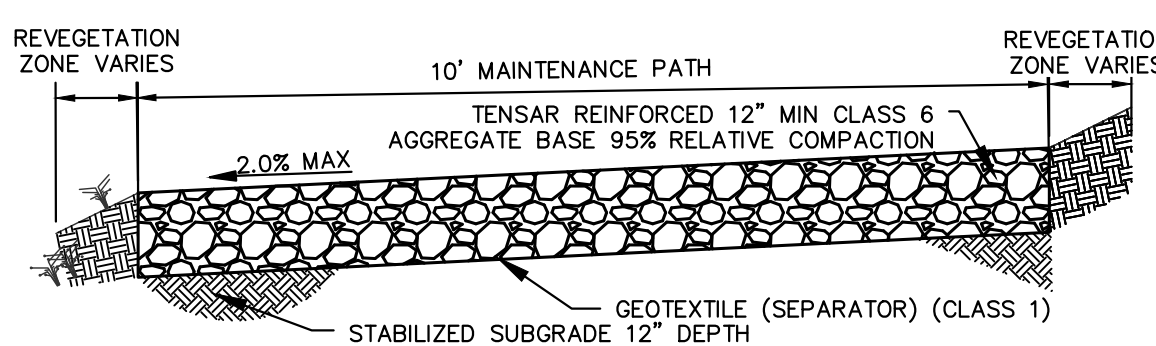


SECTION
CREST WALL DETAIL

Adjust the drainage easement so future lot 2 owner does not construct a permanent structure within the overflow path. Analyze the emergency flowpath further downstream and make sure drainage impact to downstream properties are mitigated.

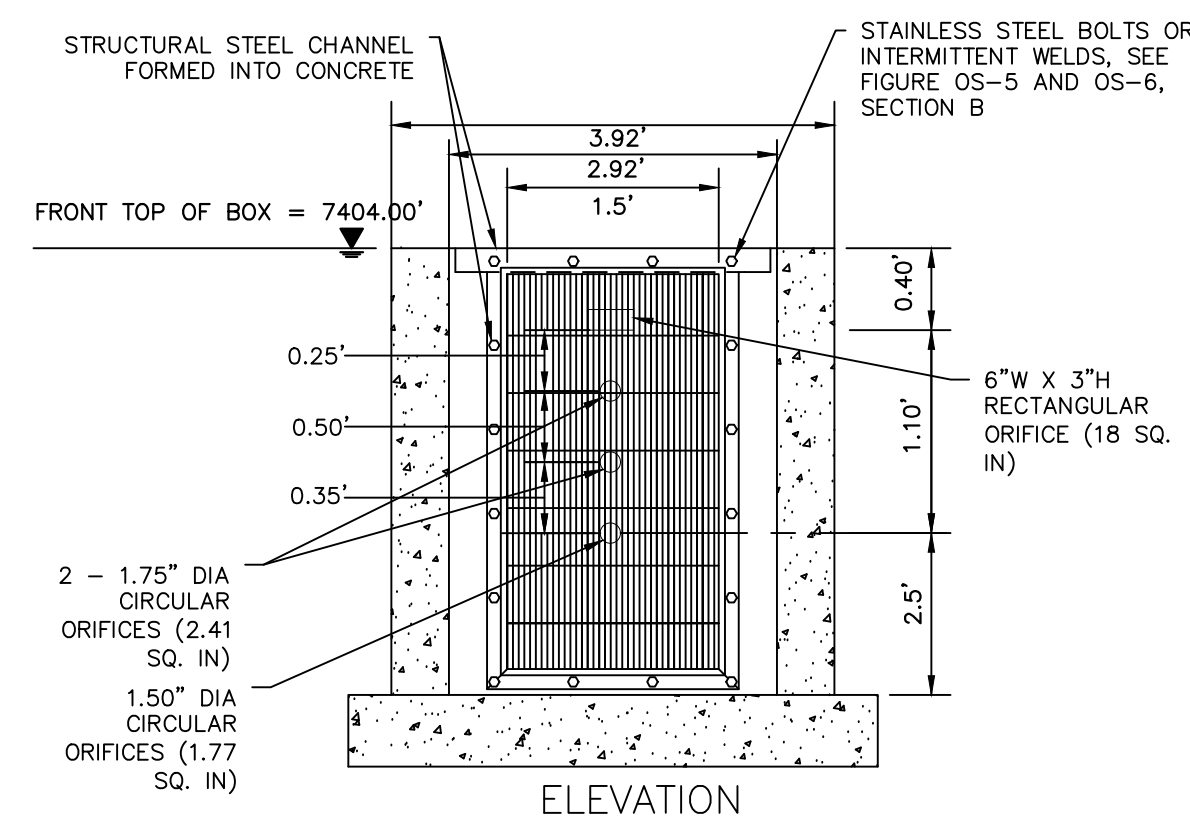


4 **100-YEAR FLOW RESTRICTOR B**
N.T.S.



5 MAINTENANCE PATH

- N.T.S.
- MAINTENANCE PATH NOTES
1. MAINTENANCE PATH SHALL INCLUDE SUBGRADE PREPARATION, AGGREGATE BASE, TENSAR GEOTEXTILE SEPARATOR, AND COMPACTION.



6 ORIFICE PLATE AND TRASH RACK DETAIL

- ### ORIFICE PLATE NOTES

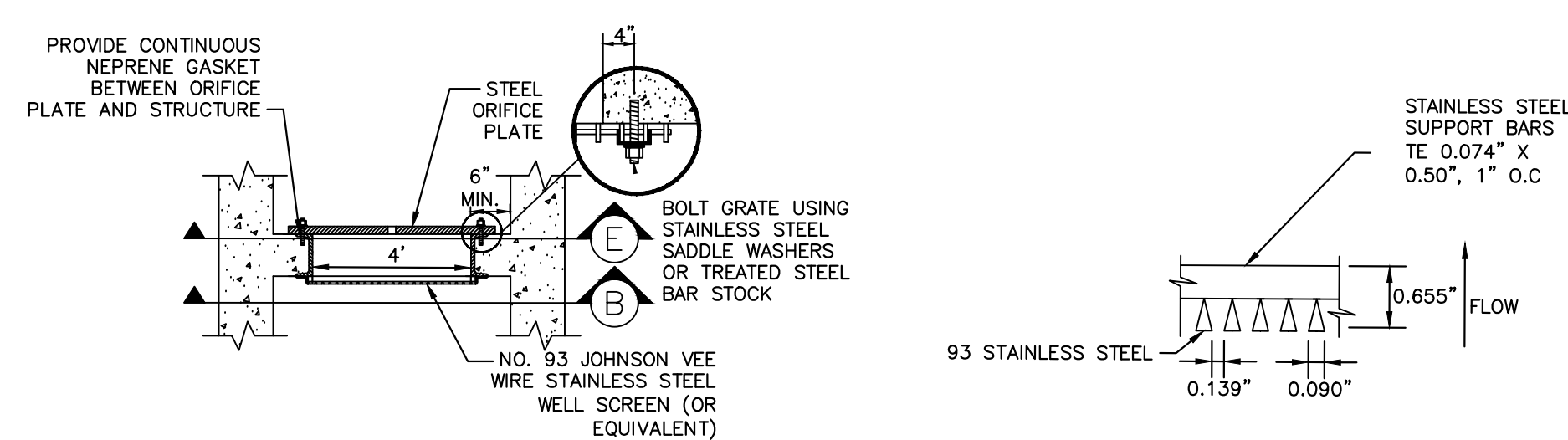
1. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
2. BOLT PLATE TO CONCRETE 12" MAX. ON CENTER. SEE TABLE OS-2 FOR PLATE THICKNESS.

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.

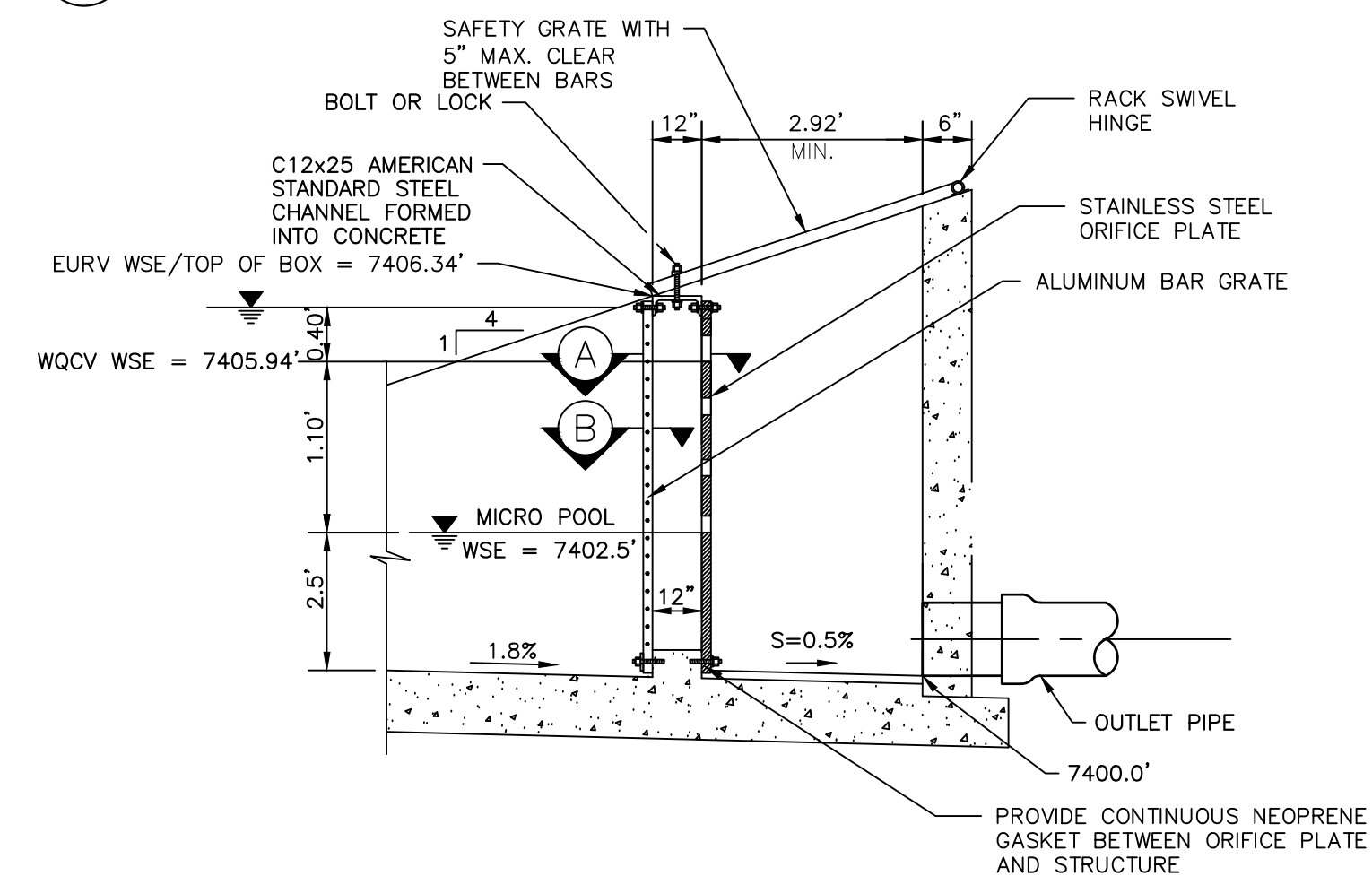
OVERFLOW SAFETY GRATES

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.

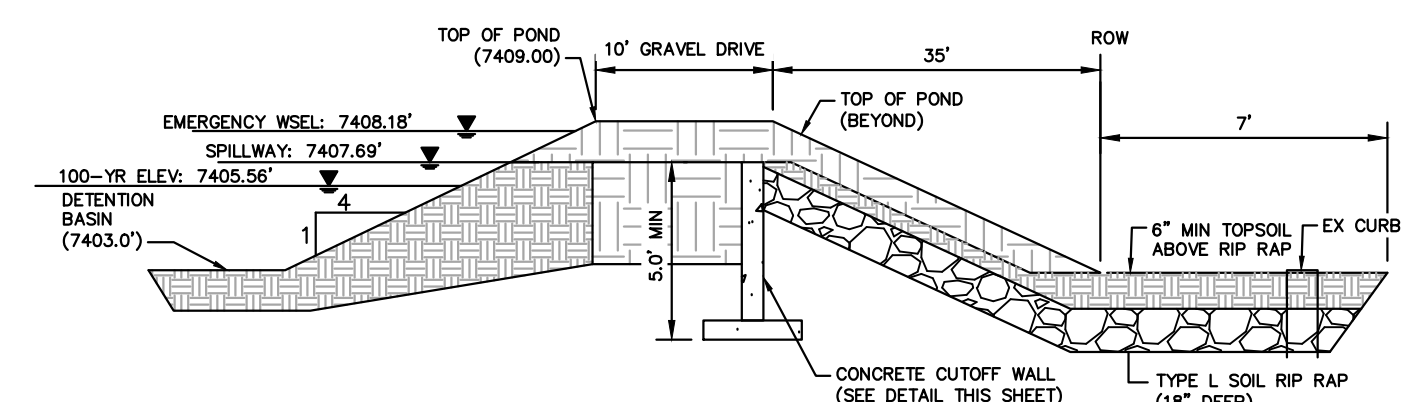


SECTION A
N.T.S.

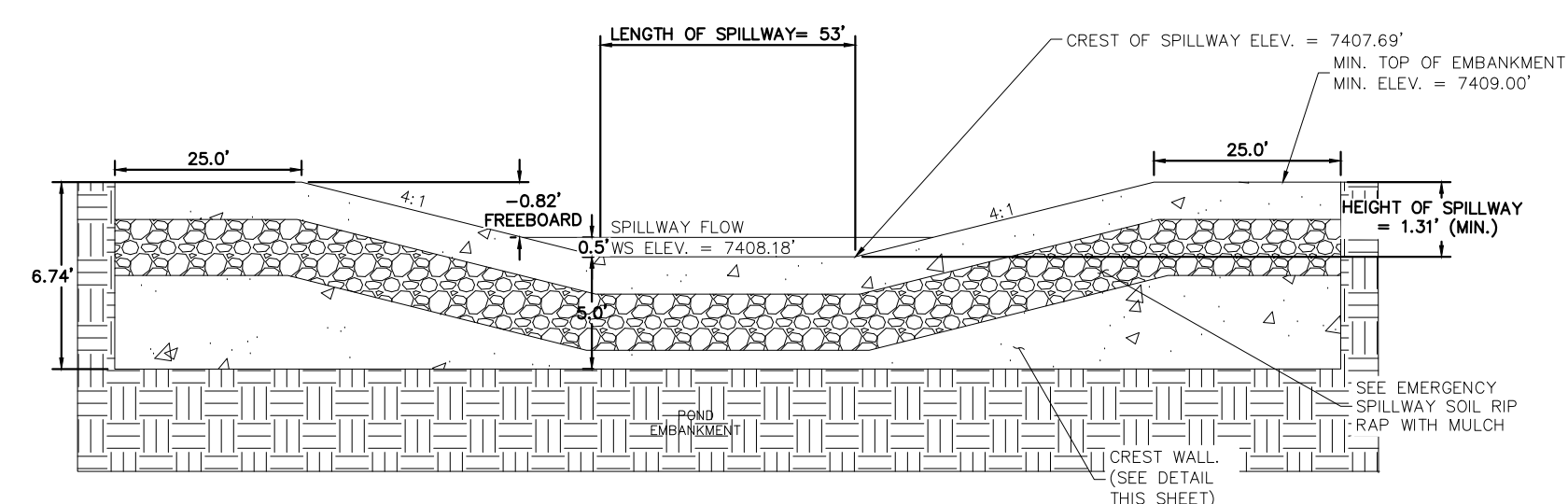
SECTION B
N.T.S.



8 **OUTLET STRUCTURE DETAIL**
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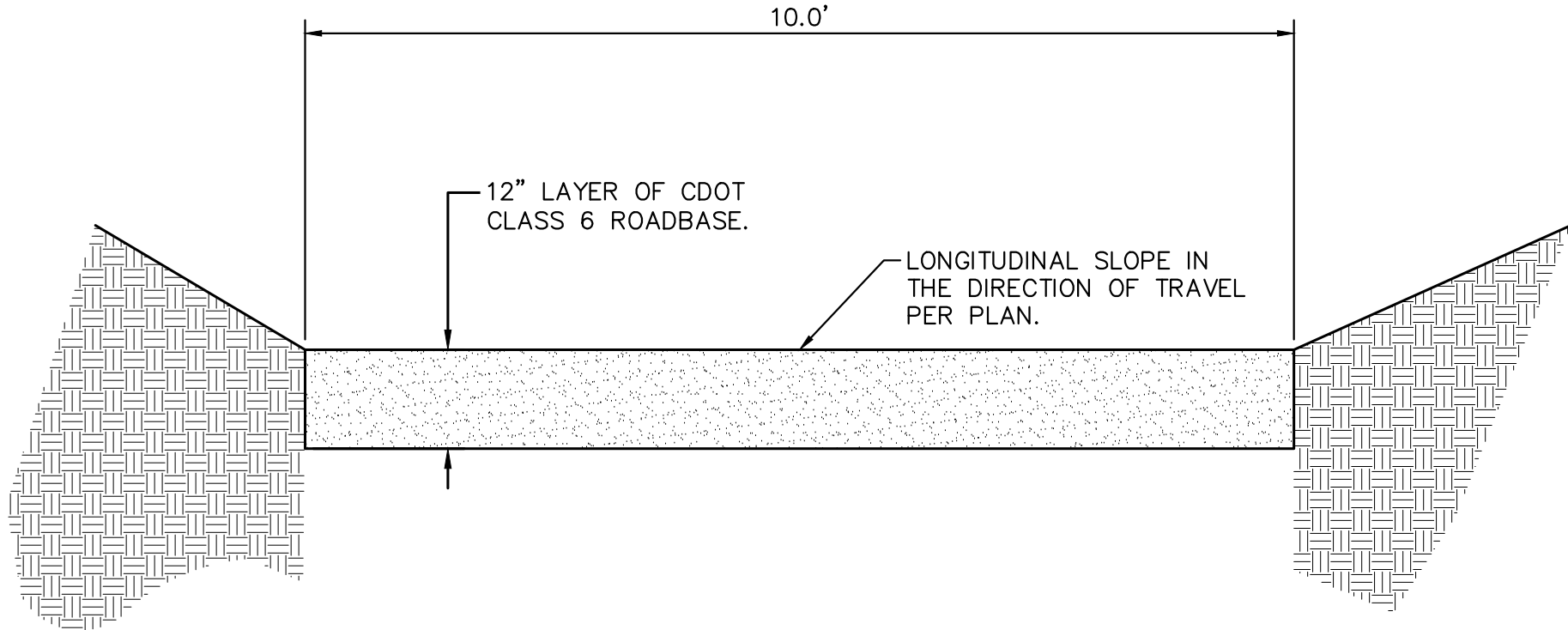


9 **EMERGENCY SPILLWAY DETAILS**
N.T.S.



10 **EMERGENCY SPILLWAY**
N.T.S.

Plotted By: Kofford, Kevin Sheet Set: WINSOME P2 Layout: POND 6 DETAILS (2) February 18, 2021 12:44:57pm K:\DEN_Civil\196106000_Winsome P2\CADD\PlanSheets\196106000CD_POND_6.dwg This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



MAINTENANCE ROAD CROSS SECTION

DETENTION POND SIGNAGE NOTES:

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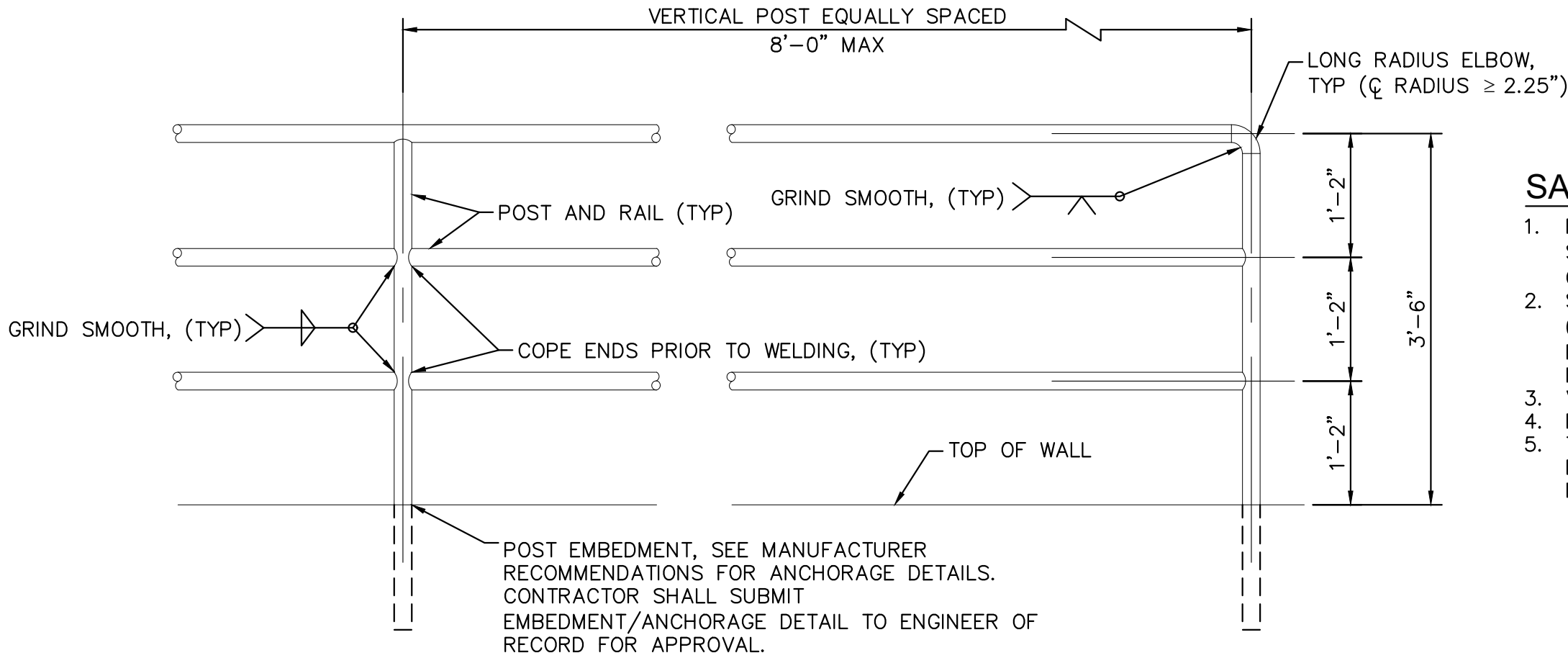
SIGN 1



SIGN 2



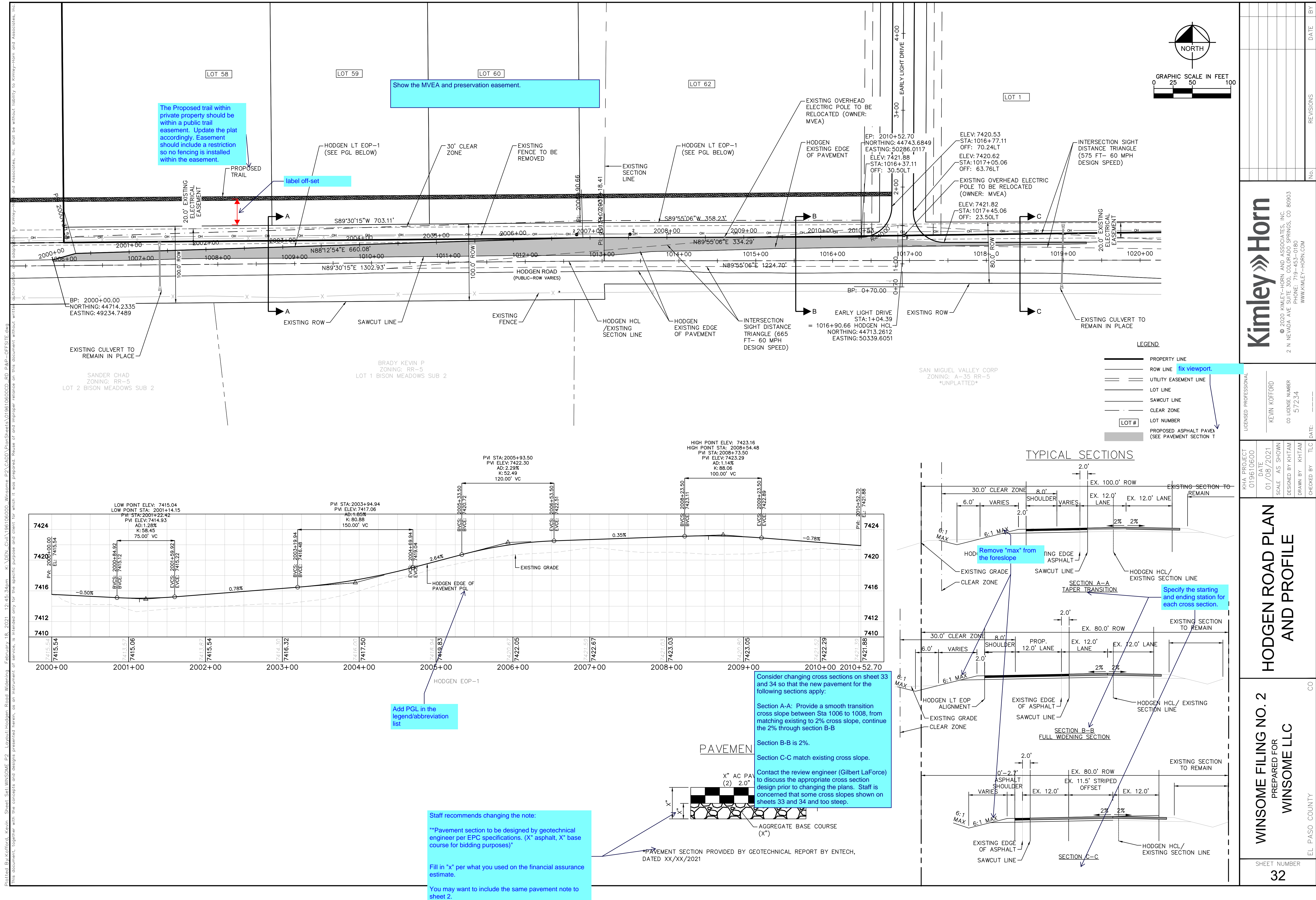
SIGN 3



SAFETY RAILING NOTES:

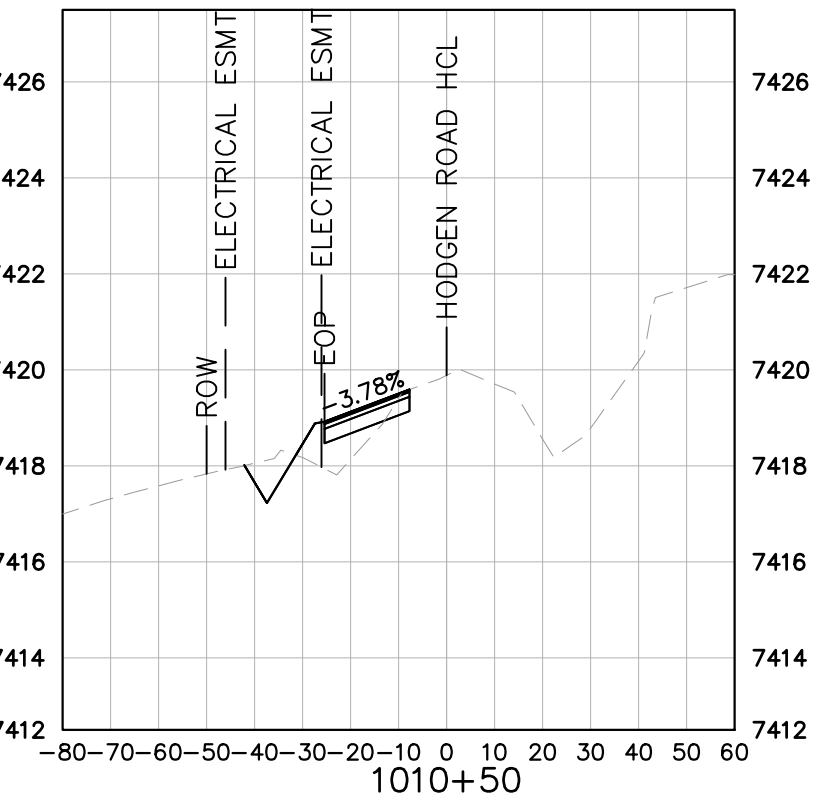
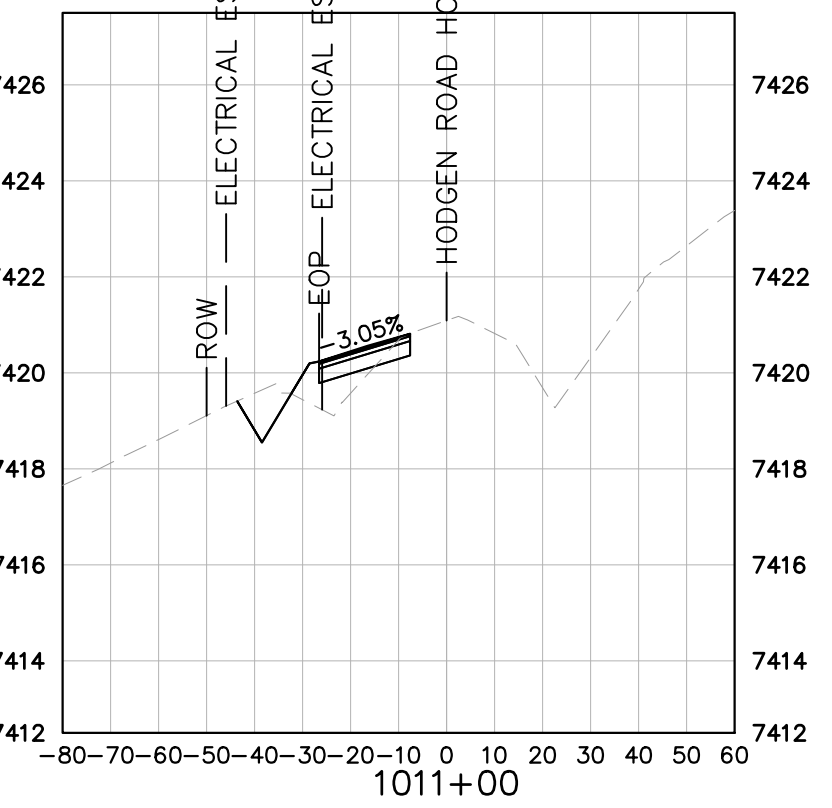
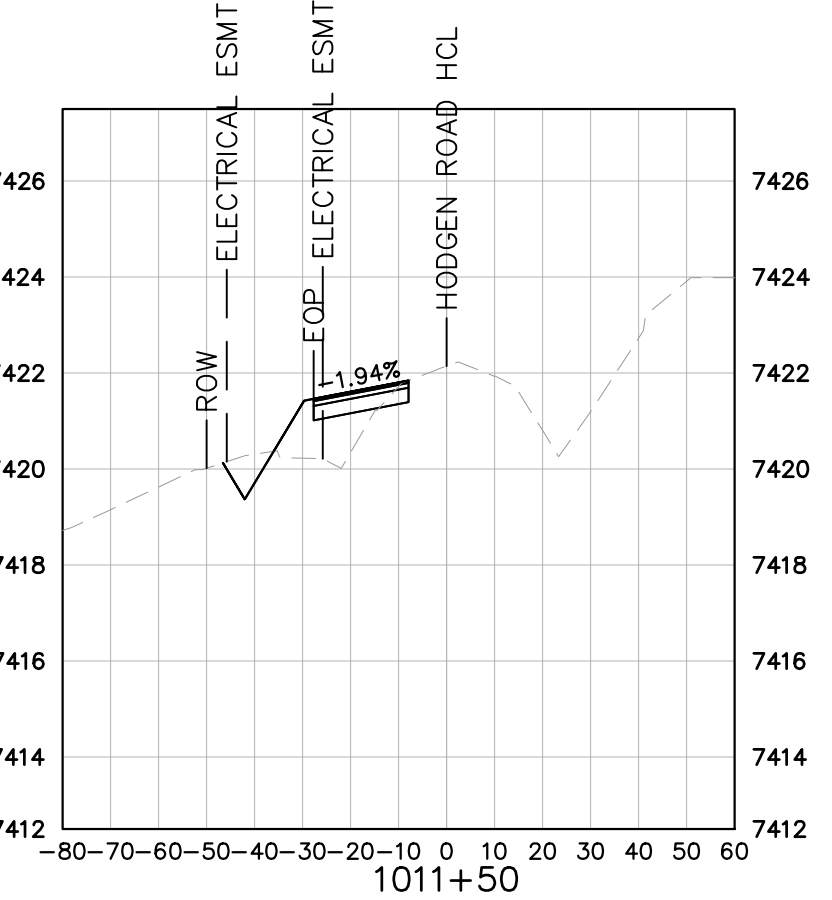
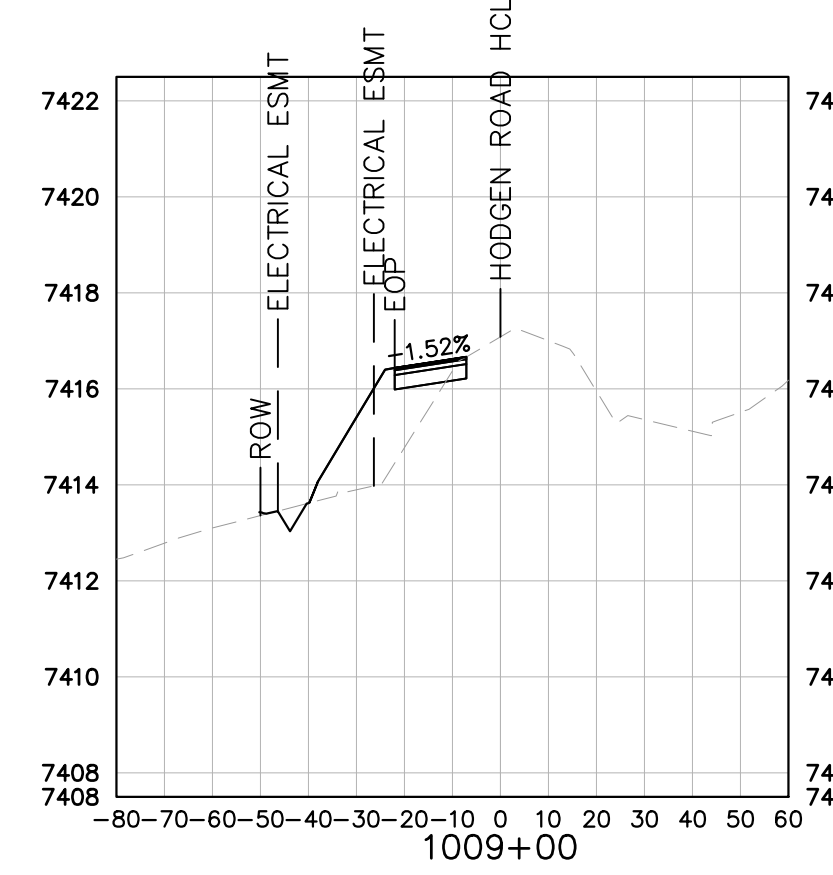
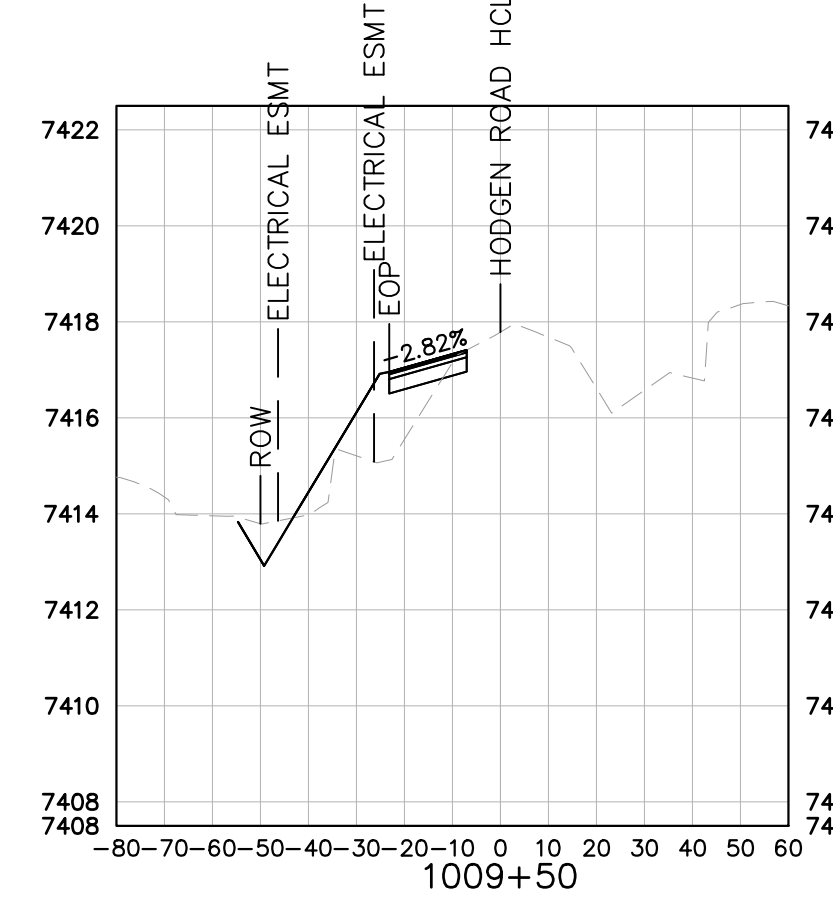
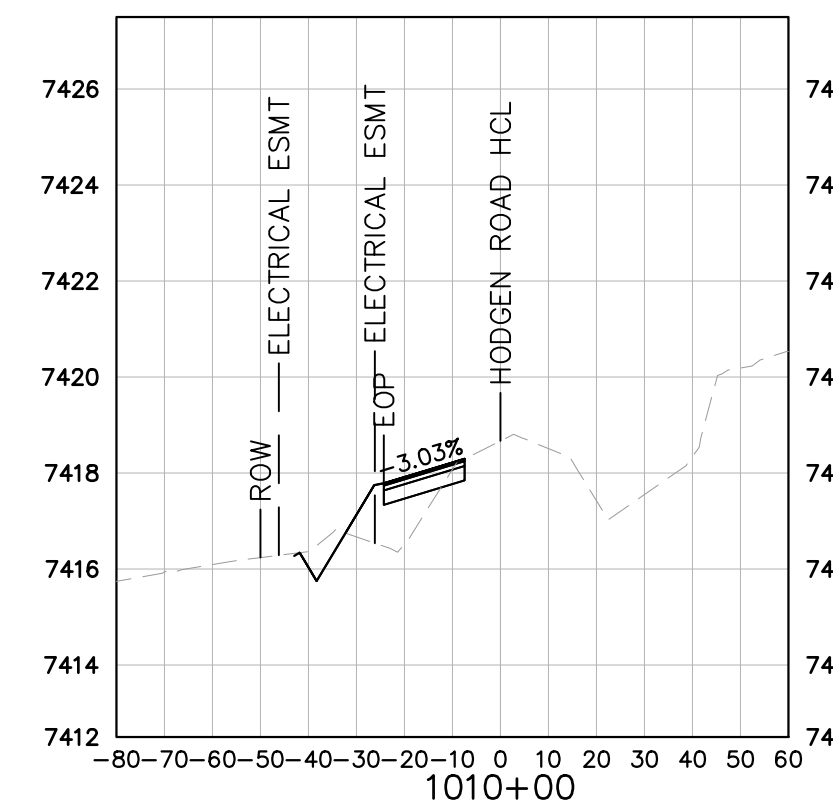
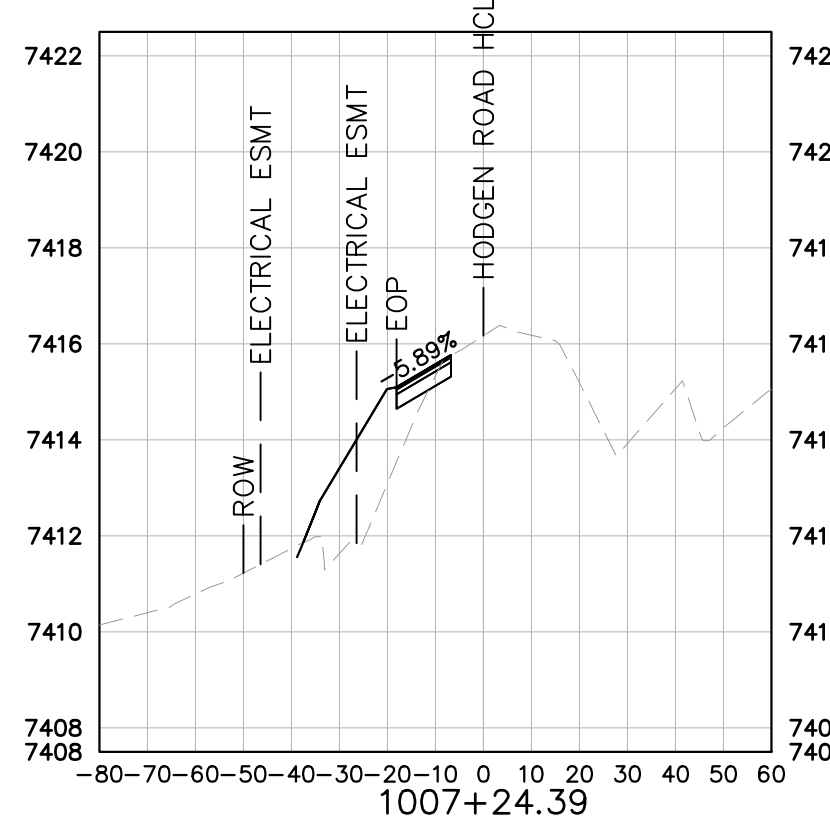
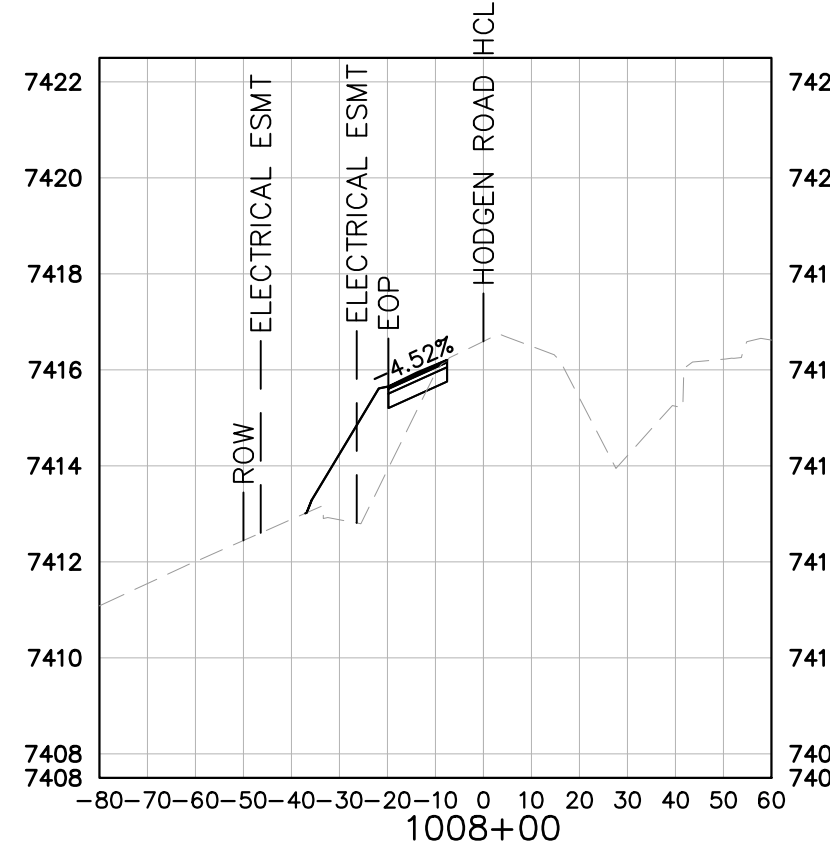
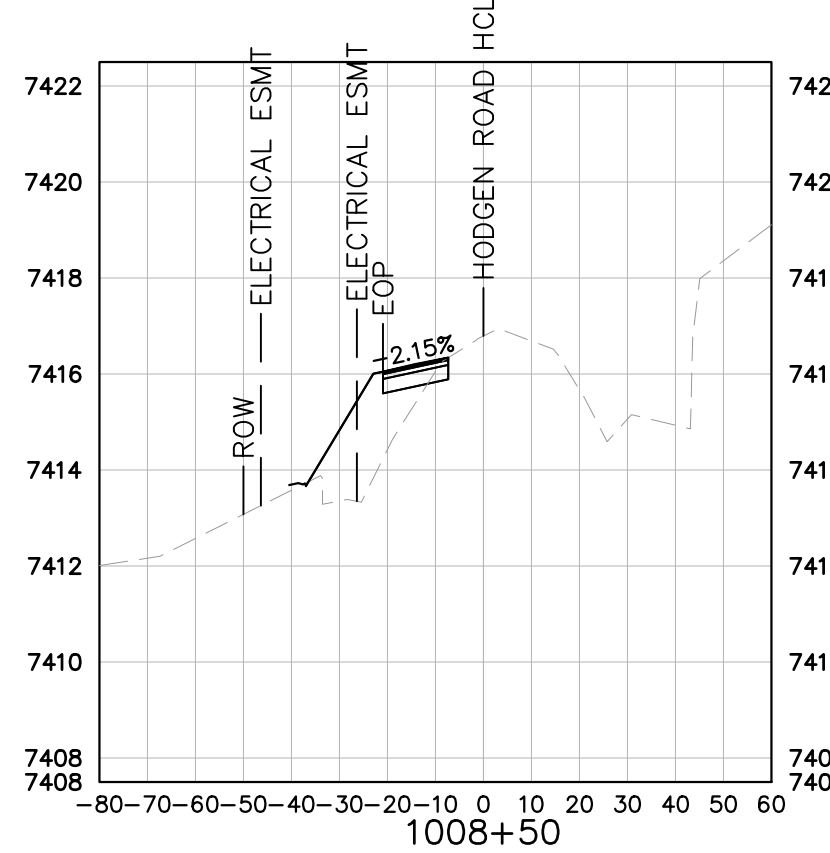
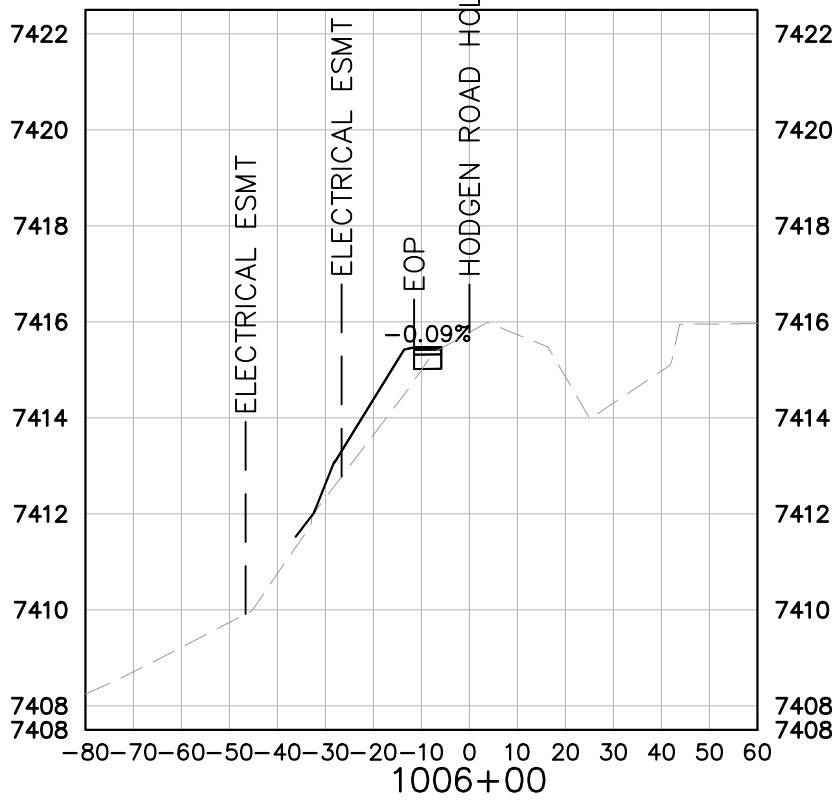
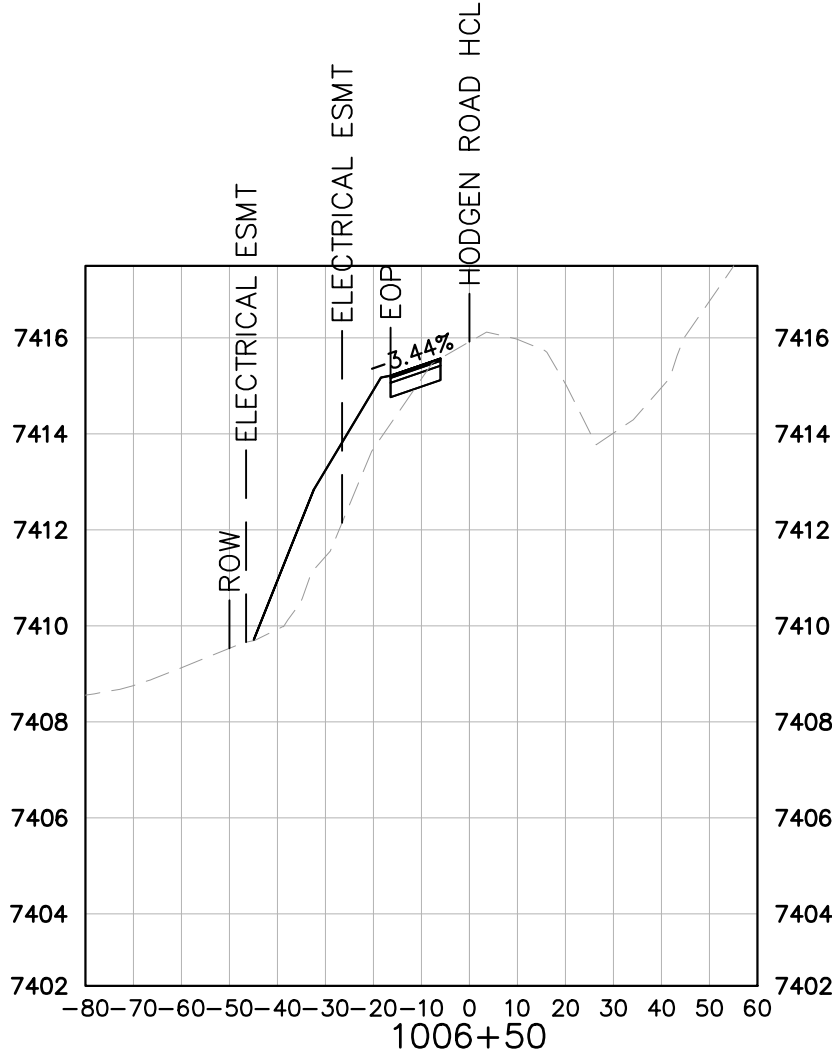
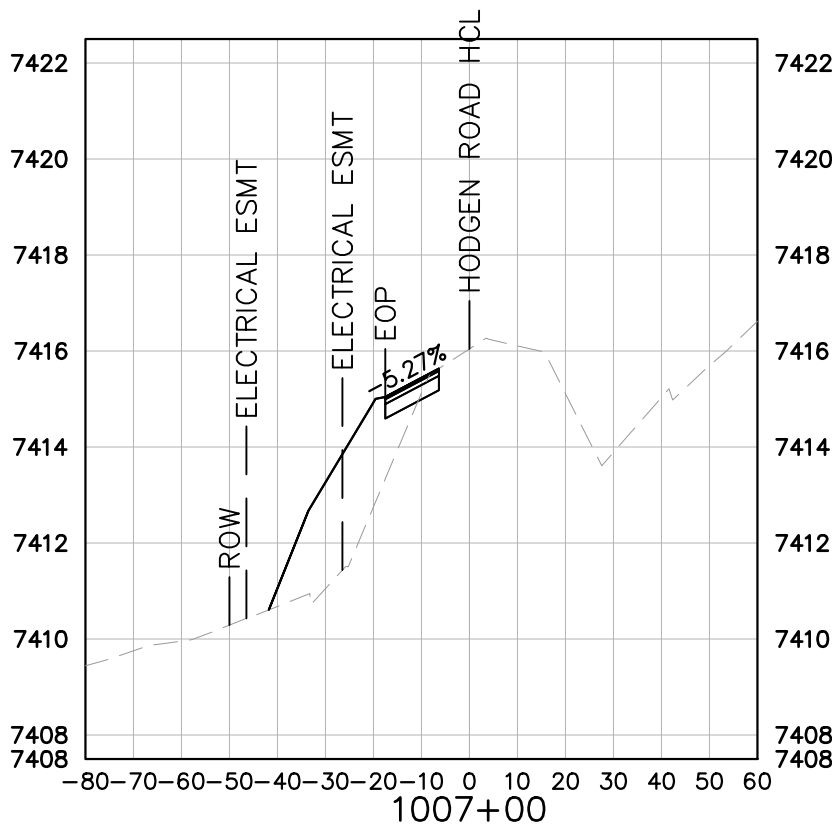
- POSTS AND RAILS SHALL BE 1.5" SCHEDULE 40 STEEL PIPE ASTM A 53, GRADE B (2.72 #/LF, 1.9" O.D.).
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- REMOVE ALL SHARP EDGES.
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WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC EL PASO COUNTY	POND 6 DETAILS	KHA PROJECT 019610600 DATE 01/08/2021 SCALE AS SHOWN DESIGNED BY KHTAM DRAWN BY KHTAM CHECKED BY	LICENCED PROFESSIONAL KEVIN KOFFORD CO LICENSE NUMBER 57234 TLC DATE: -----	Kimley»Horn © 2020 KIMLEY-HORN AND ASSOCIATES, INC. 2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903 PHONE: 719-453-0180 WWW.KIMLEY-HORN.COM	No.	REVISIONS		BY
								DATE
SHEET NUMBER 31								



Plotted By: Kofford, Kevin Sheet Set: WINSOME P2 Layout: OFFSITE ROADWAY SECTIONS February 18, 2021 12:45:53pm K:\DEN-Civil\196106000_Winsome P2\CADD\PlanSheets\0196106000D_RWDY-XSEC.dwg K:\DEN-Civil\196106000_Winsome P2\CADD\PlanSheets\0196106000D_RWDY-XSEC.dwg

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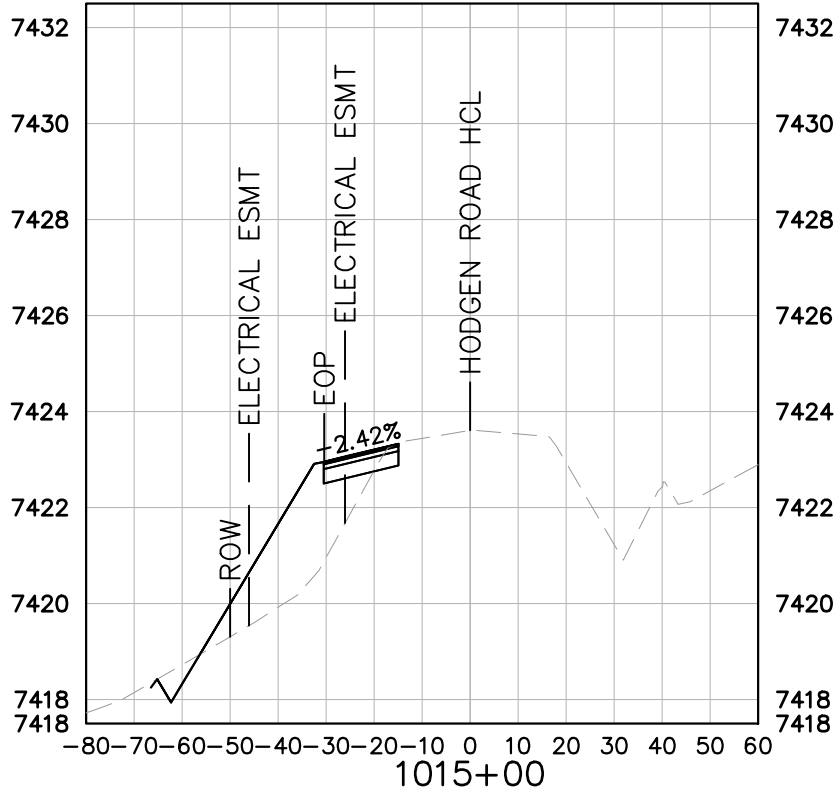
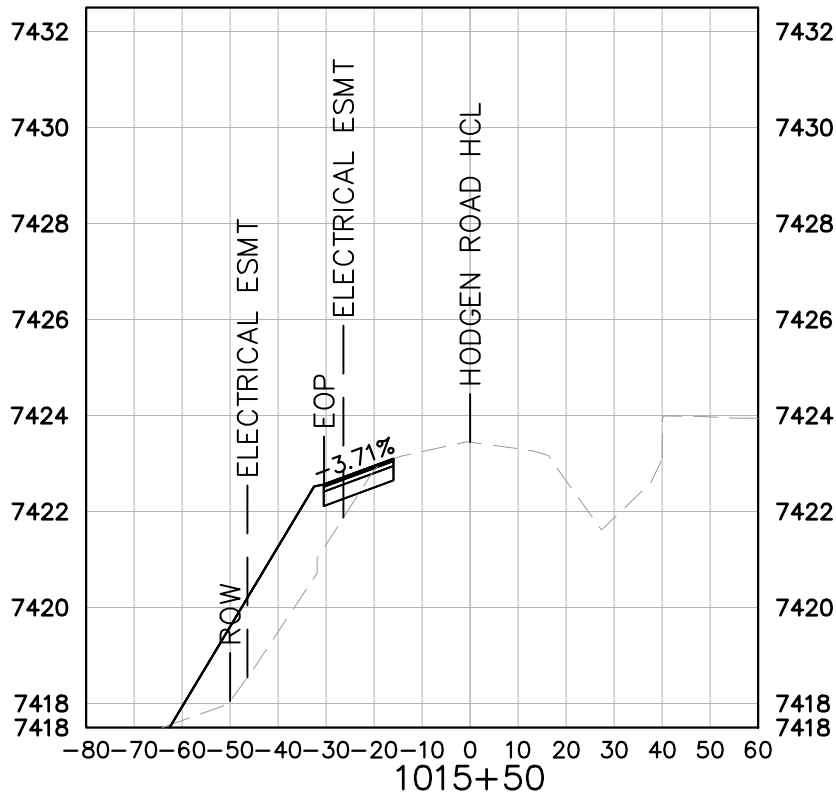
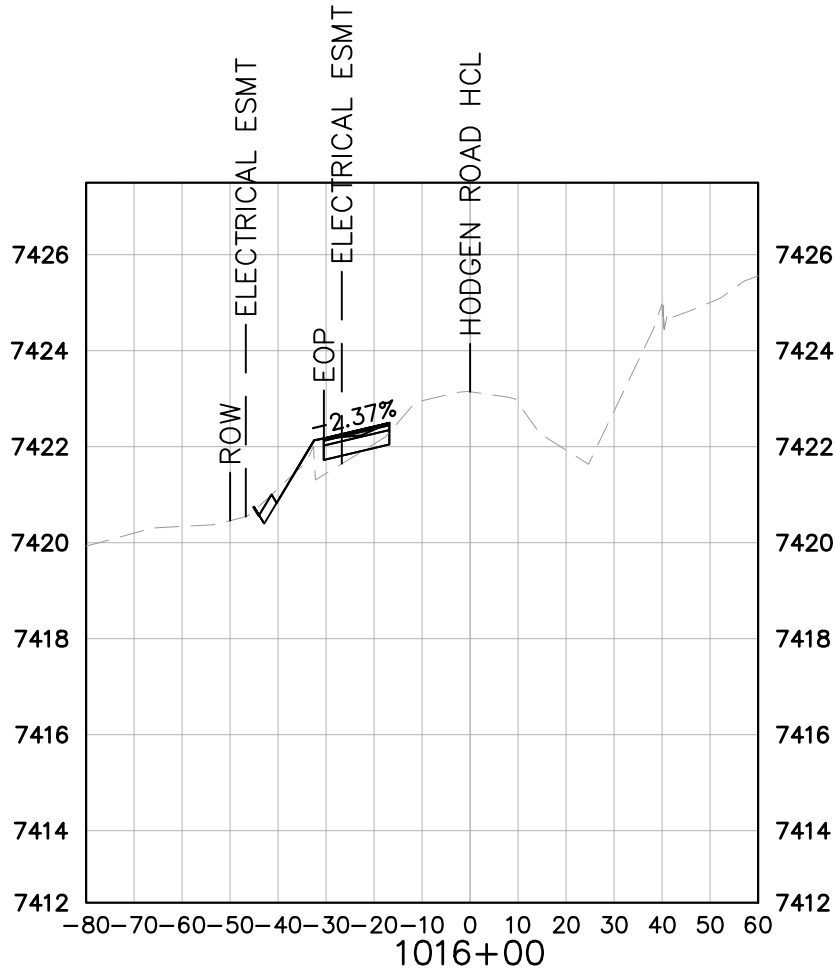
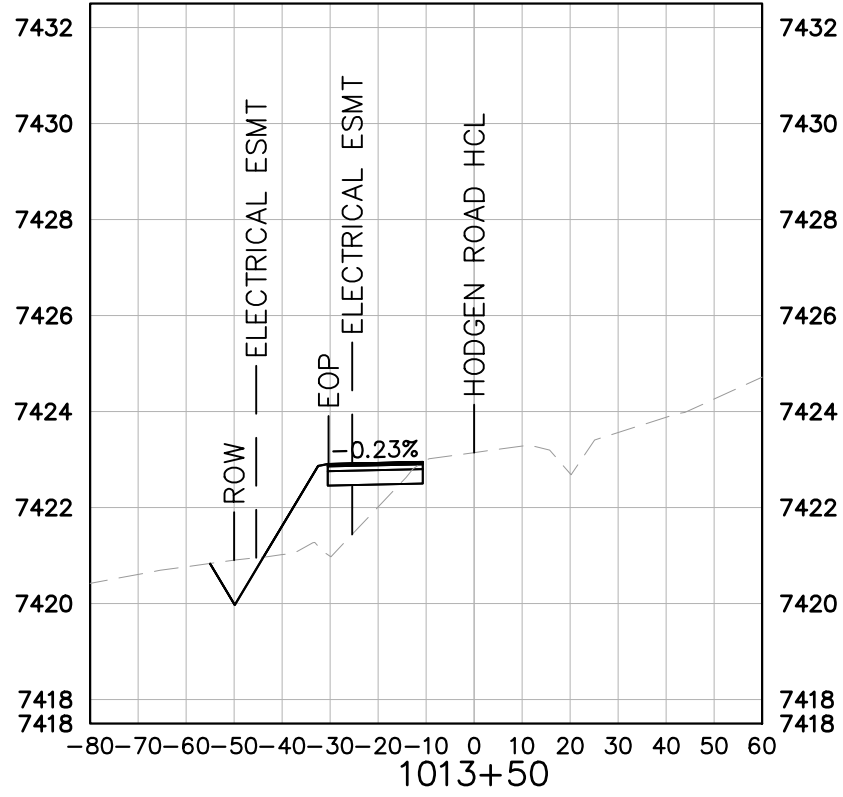
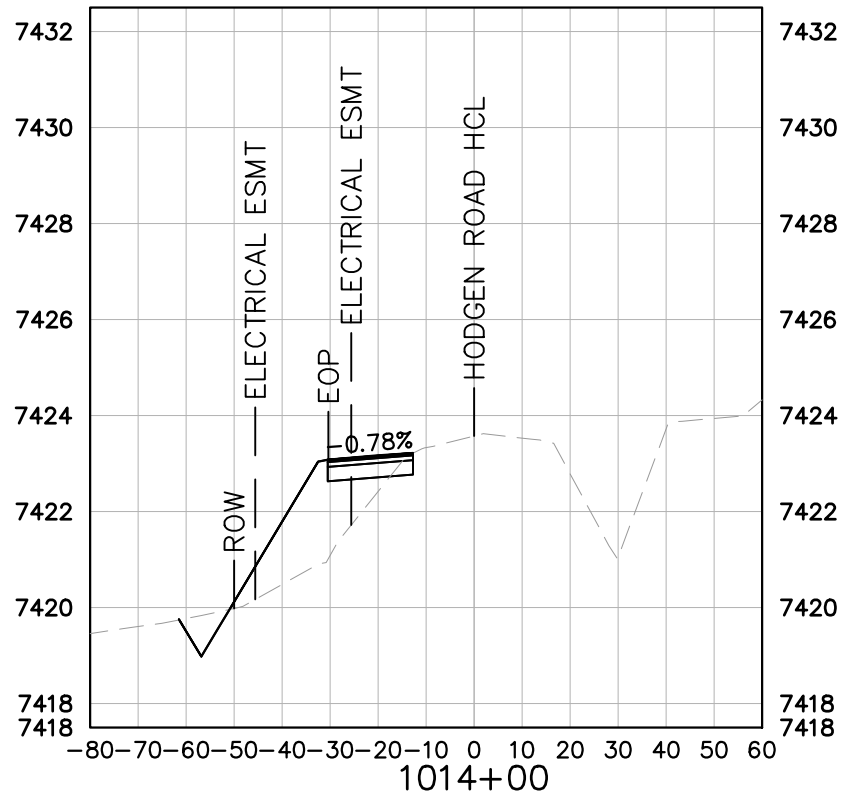
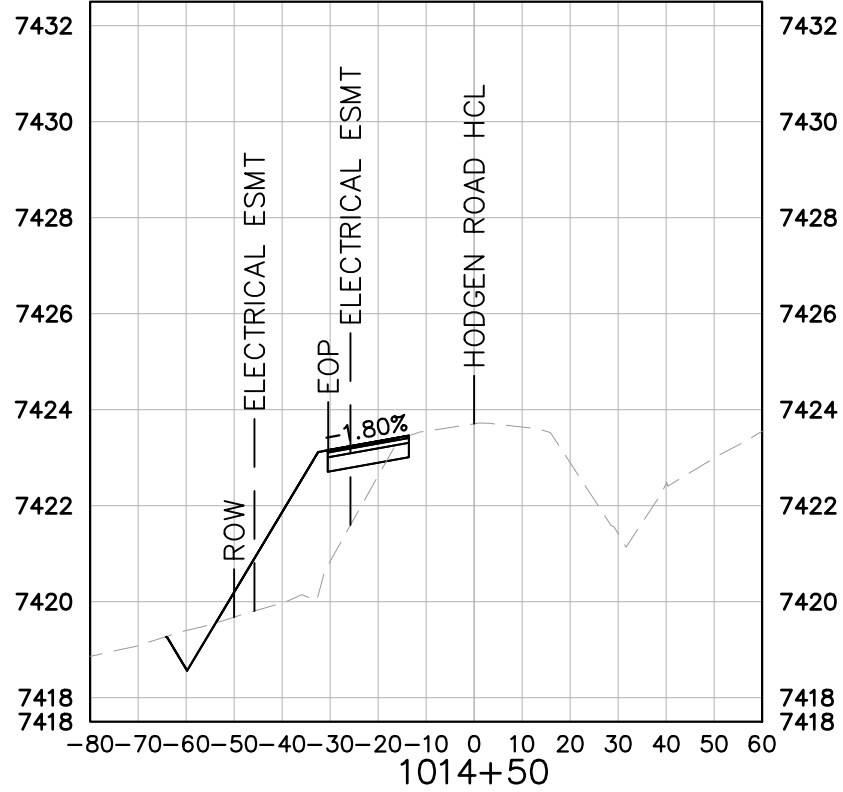
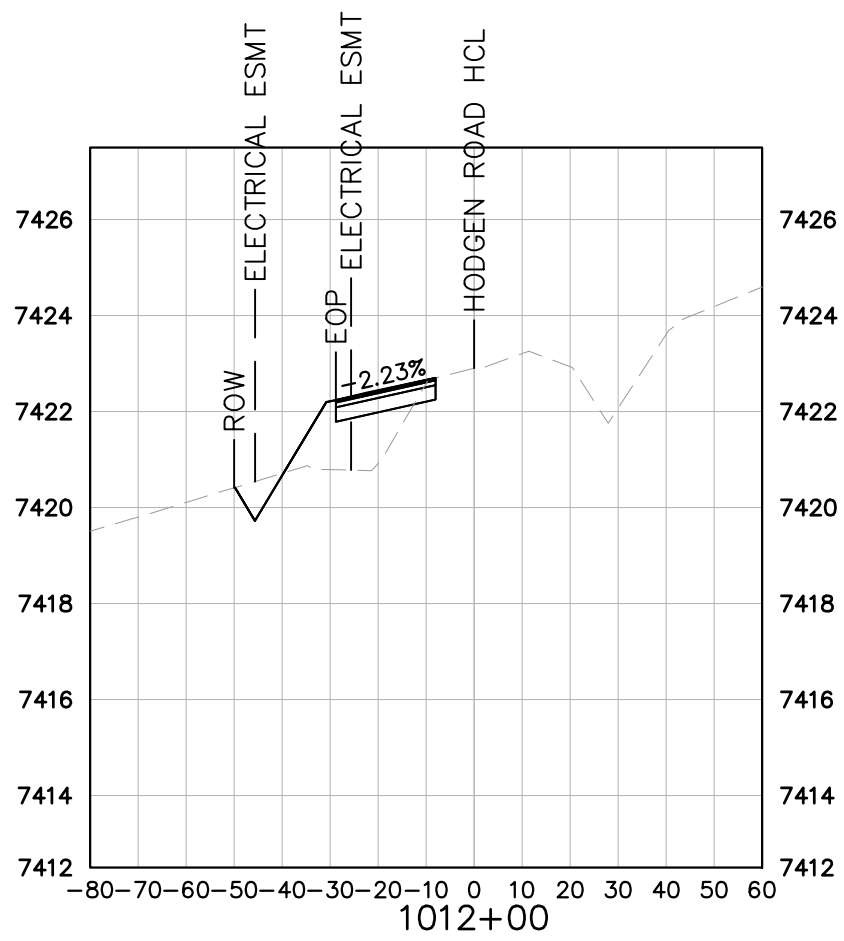
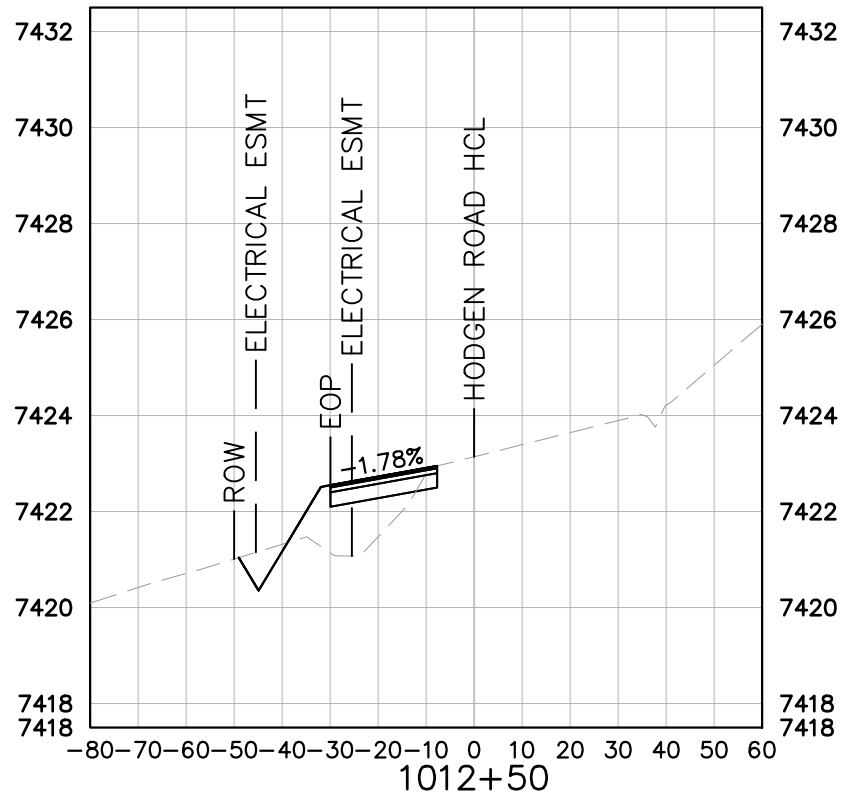
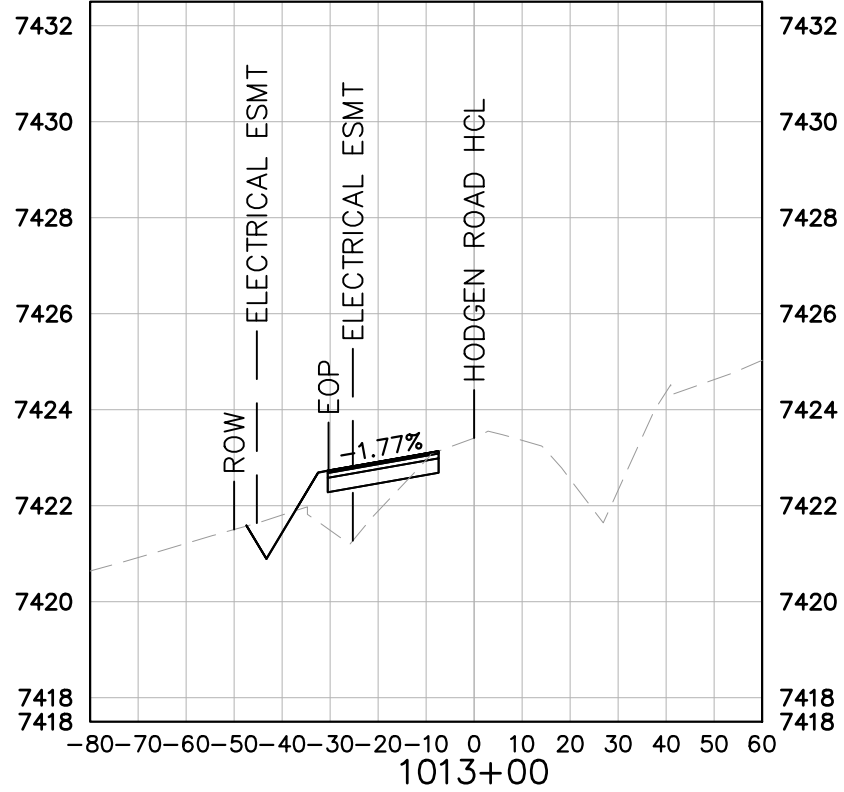


KEY
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———— PROPOSED GRADE

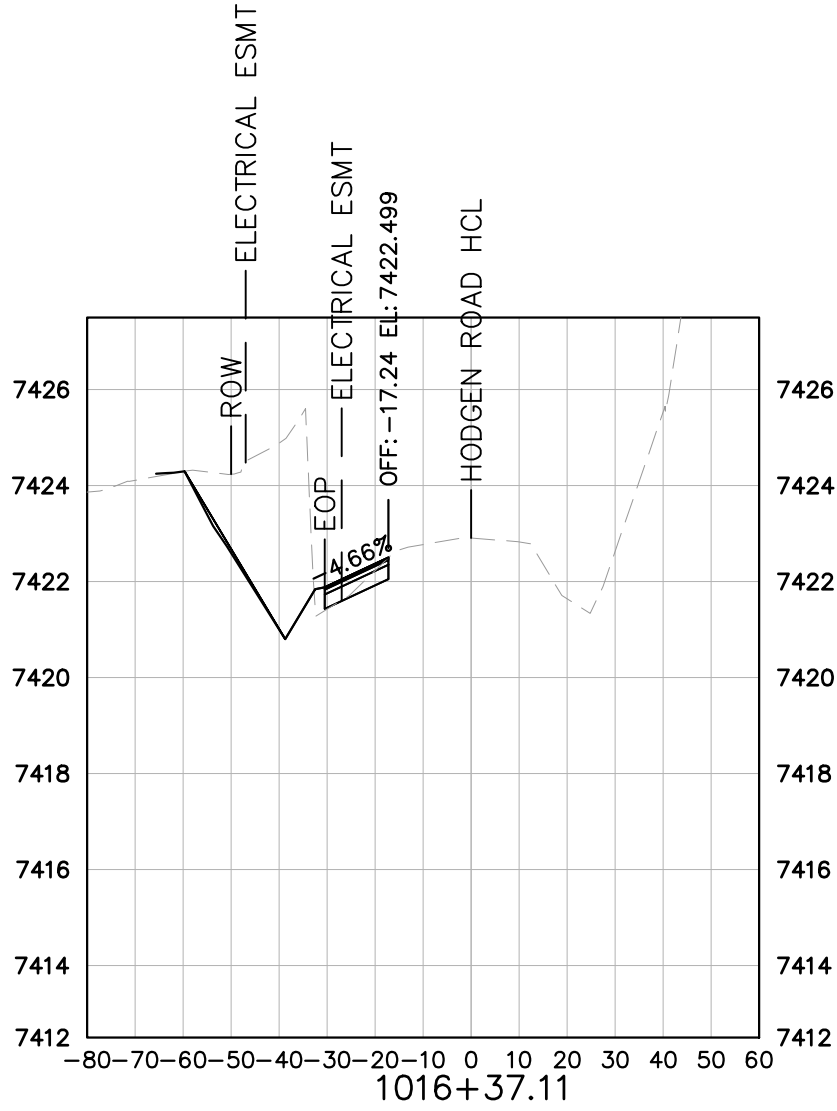
WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC	HODGEN ROAD CROSS SECTIONS	EL PASO COUNTY	CO	KHA PROJECT 019610600		LICENSED PROFESSIONAL		Kimley»Horn © 2020 KIMLEY-HORN AND ASSOCIATES, INC. 2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903 PHONE: 719-453-0180 WWW.KIMLEY-HORN.COM	REVISIONS		BY
				DATE 01/08/2021		KEVIN KOFFORD			No.		DATE
				SCALE AS SHOWN DESIGNED BY KHTAM DRAWN BY KHTAM CHECKED BY _____		CO LICENSE NUMBER 57234					

Plotted By: Kofford, Kevin Sheet Set: WINSOME P2 Layout: OFFSITE ROADWAY SECTIONS (2) February 18, 2021 12:45:55pm K:\DEN-Civil\196106000_Winsome P2\CADD\PlanSheets\019610600CD-RWDY-XSEC.dwg

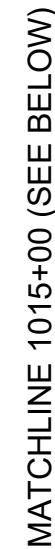
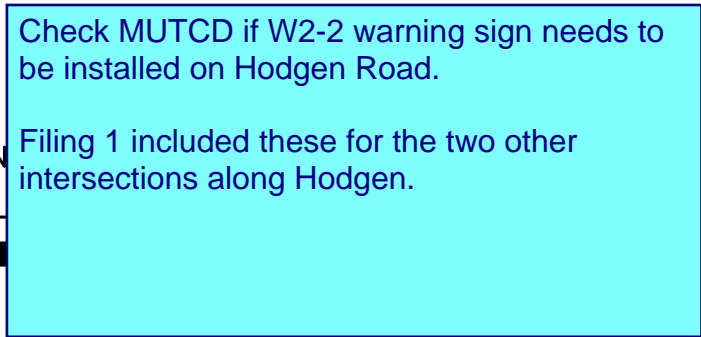
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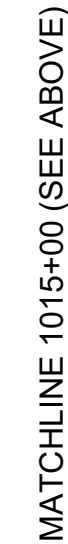
KEY
----- EXISTING GRADE
———— PROPOSED GRADE



WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC	HODGEN ROAD CROSS SECTIONS	KHA PROJECT 019610600 DATE 01/08/2021 SCALE AS SHOWN DESIGNED BY KHTAM DRAWN BY KHTAM CHECKED BY _____	LICENSED PROFESSIONAL KEVIN KOFFORD CO LICENSE NUMBER 57234 TLC DATE: _____	Kimley»Horn © 2020 KIMLEY-HORN AND ASSOCIATES, INC. 2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903 PHONE: 719-453-0180 WWW.KIMLEY-HORN.COM	No.	REVISIONS	DATE	BY



MIGUEL VALLEY CORP
ZONING: A-35 RR-5
UNPLATTED



LATERAL PLACEMENT			VERTICAL PLACEMENT								
KEY	ALL CLASSES OF STREETS AND HIGHWAYS		KEY	FREWAYS 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"	5'-0"
B	2'-0"	30'-0"OR MORE INCLUDES CURB	E	7'-0"		8'-0"	7'-0"	8'-0"	5'-0"	8'-0"	5'-0"
			F	8'-0"	OR NOTE NO. 9	12'-0"	8'-0"	9'-0"	5'-0"	9'-0"	5'-0"
C	2'-0"	6'-0"PLUS EDGE OF 6'-4" WIDE SHOULDER IF NONE, 45'-0" FROM EDGE OF TRAVEL LANE	G	6'-0"		7'-0"	6'-0"	7'-0"	4'-0"	7'-0"	4'-0"
			H	5'-0"		10'-0"	6'-0"	7'-0"	4'-0"	7'-0"	4'-0"



- ① EXISTING GROUND MOUNT SIGN PANEL AND POST TO REMAIN. TYPE PER PLAN
- ② INSTALL GROUND MOUNT SIGN PANEL AND POST. TYPE PER PLAN
- ③ PROPOSED 4-INCH SOLID WHITE EPOXY STRIPING
- ④ PROPOSED 8-INCH SOLID WHITE EPOXY STRIPING
- ⑤ PROPOSED 4-INCH SOLID DOUBLE YELLOW EPOXY STRIPING
- ⑥ PROPOSED TURN ARROW, WHITE THERMOPLASTIC (16.1 SF)

1. STATIONS AND OFFSETS ARE BASED ON HODGEN ROAD HCL UNLESS OTHERWISE NOTED.
2. ALL LANE LINES ARE PROPOSED TO BE EPOXY. ANY PROPOSED STOP BARS SHALL BE THERMOPLASTIC.
3. ALL PAVEMENT MARKINGS SHALL BE INSTALLED PER CDOT S-627-1 STANDARD DETAIL.
4. SIGN MOUNTING SHALL BE INSTALLED PER CDOT S-614-1, S-614-3 (CLASS II GROUND MOUNT SIGN) STANDARD DETAILS.
5. ROADWAY SIGHT TRIANGLES, BASED ON AASHTO STANDARDS ARE SHOWN AT THE INTERSECTION OF EARLY LIGHT DRIVE AND HODGEN ROAD. VERTEX OF THE SIGHT TRIANGLE WAS SET AT 18' BACK FROM THE EDGE OF TRAVELED WAY. NO ITEMS THAT ARE WIDER THAN 18 INCHES, OR TALLER THAN 30 INCHES ARE ALLOWED WITHIN THIS TRIANGLE EXCEPT FOR STREET TREES AND TRAFFIC CONTROL DEVICES AND EQUIPMENT.

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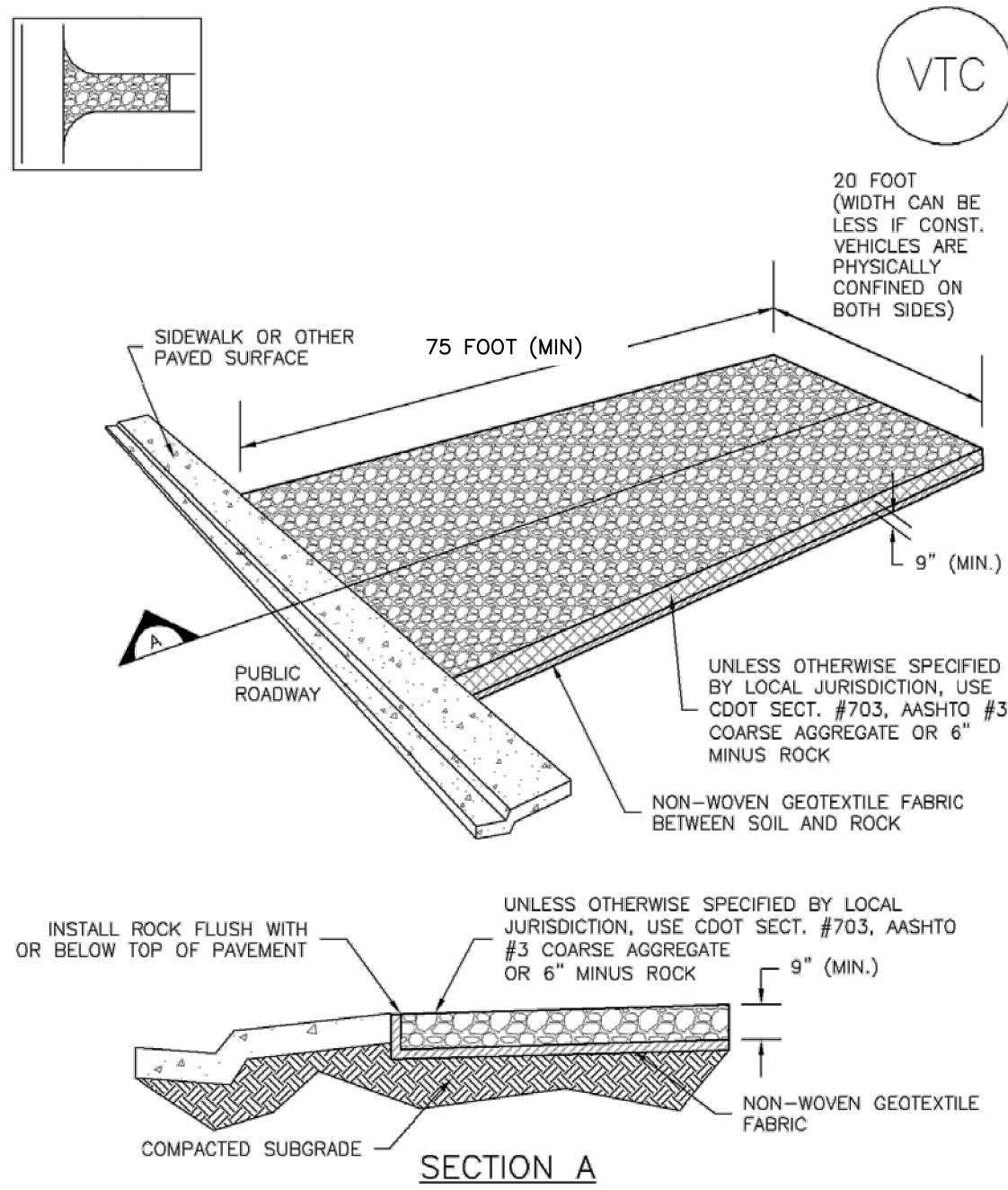
KHA PROJECT 019610600	LICENSED PROFESSIONAL
DATE 01/08/2021	KEVIN KOFFORD
SCALE AS SHOWN	CO LICENSE NUMBER 57234
DESIGNED BY KHTAM	
DRAWN BY KHTAM	
CHECKED BY TLC	DATE: -----

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N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903
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No.	REVISIONS	DATE	BY
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Plotted By: Koford, Kevin Sheet Set: WINSOME P2 Layout: EROSION CONTROL DETAILS February 18, 2021 12:46:30pm K:\DEN-Civil\196106000_Winsome P2\CADD\PlanSheets\0196106000_EC-DT.dwg This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

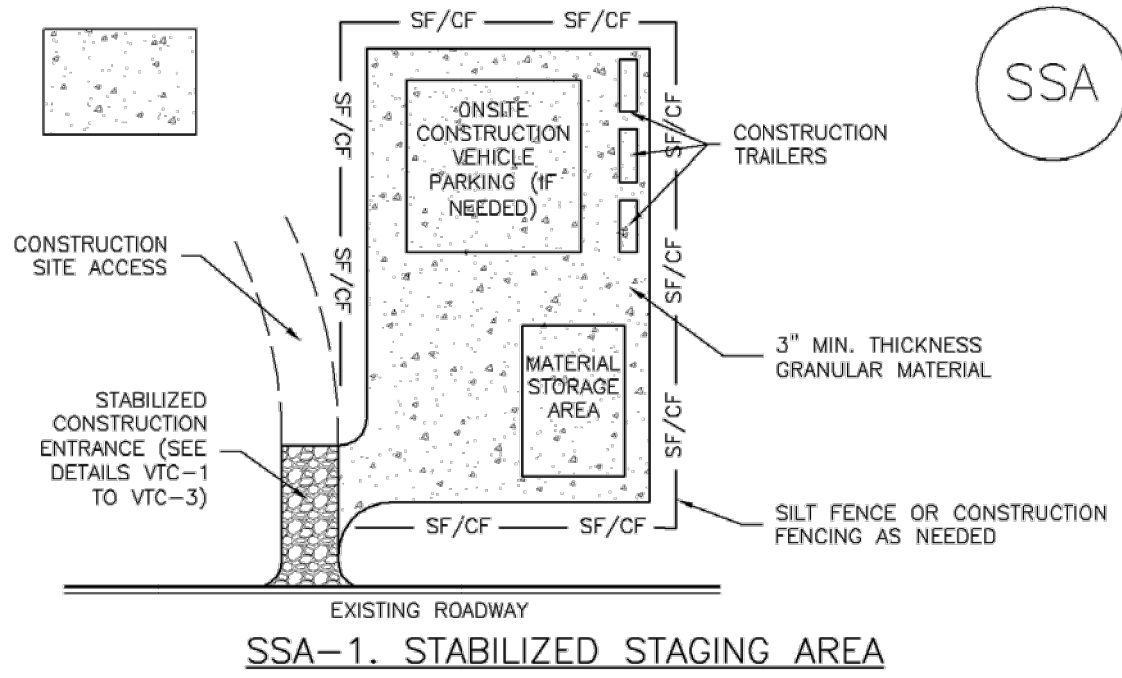
Vehicle Tracking Control (VTC) SM-4



VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

November 2010 Urban Drainage and Flood Control District VTC-3
Urban Storm Drainage Criteria Manual Volume 3

Stabilized Staging Area (SSA) SM-6



SSA-1. STABILIZED STAGING AREA

STABILIZED STAGING AREA INSTALLATION NOTES

1. SEE PLAN VIEW FOR
-LOCATION OF STAGING AREA(S).
-CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.
2. STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.
3. STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.
4. THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.
5. UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.
6. ADDITIONAL PERIMETER BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.

STABILIZED STAGING AREA MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

November 2010 Urban Drainage and Flood Control District SSA-3
Urban Storm Drainage Criteria Manual Volume 3

SM-4 Vehicle Tracking Control (VTC)

STABILIZED CONSTRUCTION ENTRANCE/EXIT INSTALLATION NOTES

1. SEE PLAN VIEW FOR
-LOCATION OF CONSTRUCTION ENTRANCE(S)/EXIT(S).
-TYPE OF CONSTRUCTION ENTRANCE(S)/EXITS(S) (WITH/WITHOUT WHEEL WASH, CONSTRUCTION MAT OR TRM).
2. CONSTRUCTION MAT OR TRM STABILIZED CONSTRUCTION ENTRANCES ARE ONLY TO BE USED ON SHORT DURATION PROJECTS (TYPICALLY RANGING FROM A WEEK TO A MONTH) WHERE THERE WILL BE LIMITED VEHICULAR ACCESS.
3. A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE LOCATED AT ALL ACCESS POINTS WHERE VEHICLES ACCESS THE CONSTRUCTION SITE FROM PAVED RIGHT-OF-WAYS.
4. STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
5. A NON-WOVEN GEOTEXTILE FABRIC SHALL BE PLACED UNDER THE STABILIZED CONSTRUCTION ENTRANCE/EXIT PRIOR TO THE PLACEMENT OF ROCK.
6. UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.

STABILIZED CONSTRUCTION ENTRANCE/EXIT MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY TO THE STABILIZED ENTRANCE/EXIT TO MAINTAIN A CONSISTENT DEPTH.
5. SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED THROUGHOUT THE DAY AND AT THE END OF THE DAY BY SHOVELING OR SWEEPING. SEDIMENT MAY NOT BE WASHED DOWN STORM SEWER DRAINS.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM CITY OF BROOMFIELD, COLORADO, NOT AVAILABLE IN AUTOCAD)

VTC-6 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3 November 2010

SM-6 Stabilized Staging Area (SSA)

STABILIZED STAGING AREA MAINTENANCE NOTES

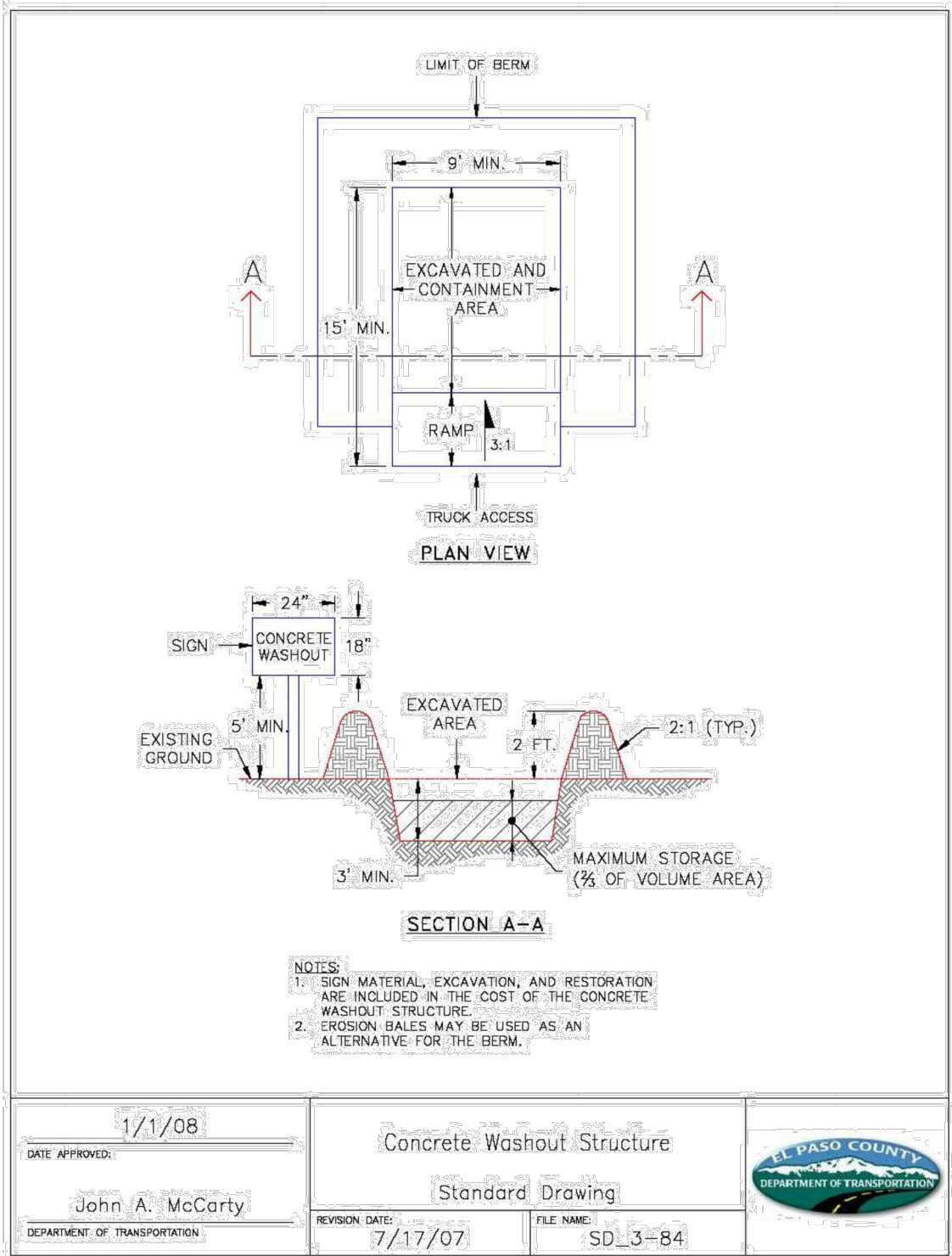
5. STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.
6. THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE, AND THE AREA COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.

NOTE: MANY MUNICIPALITIES PROHIBIT THE USE OF RECYCLED CONCRETE AS GRANULAR MATERIAL FOR STABILIZED STAGING AREAS DUE TO DIFFICULTIES WITH RE-ESTABLISHMENT OF VEGETATION IN AREAS WHERE RECYCLED CONCRETE WAS PLACED.

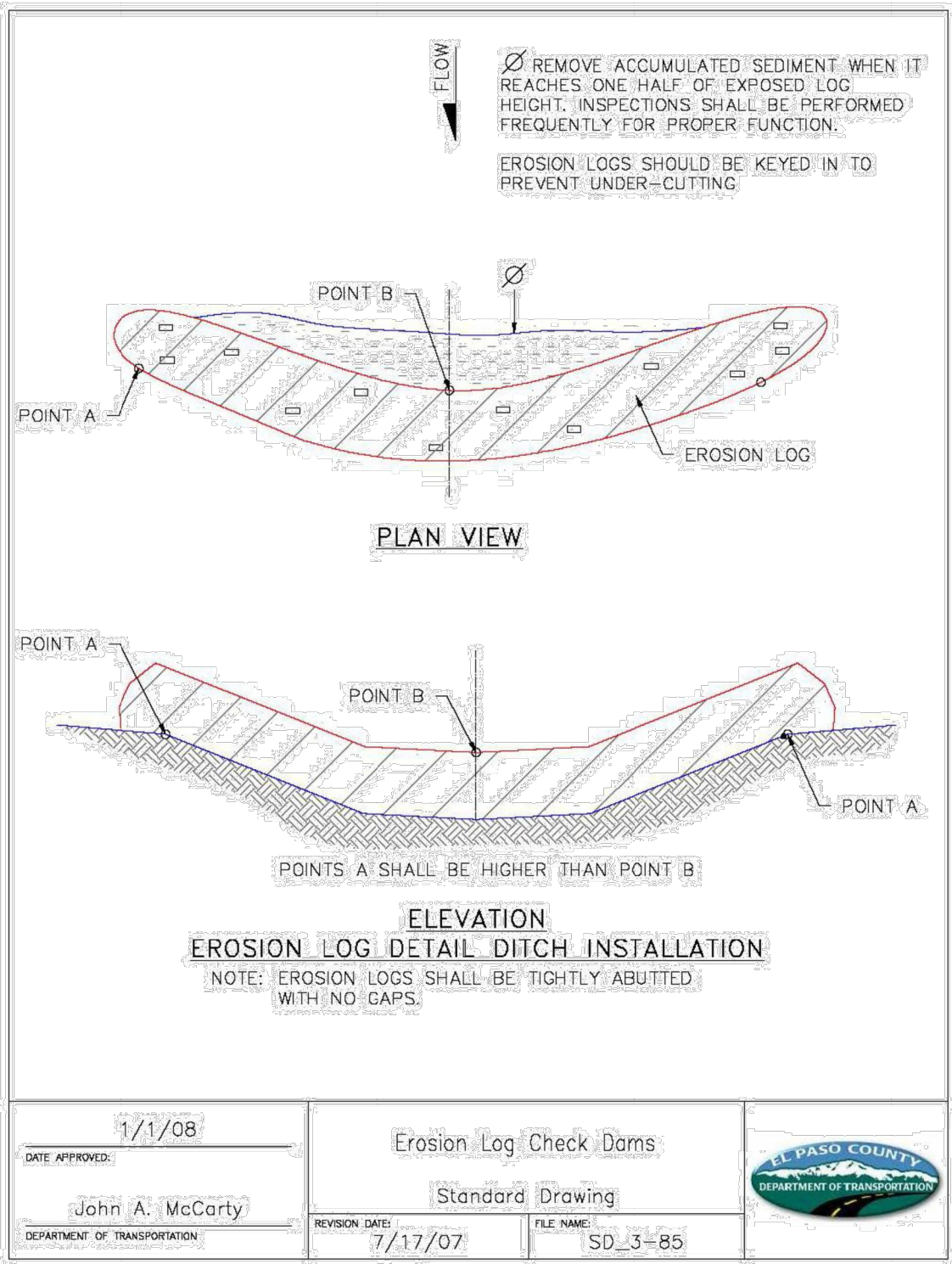
NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

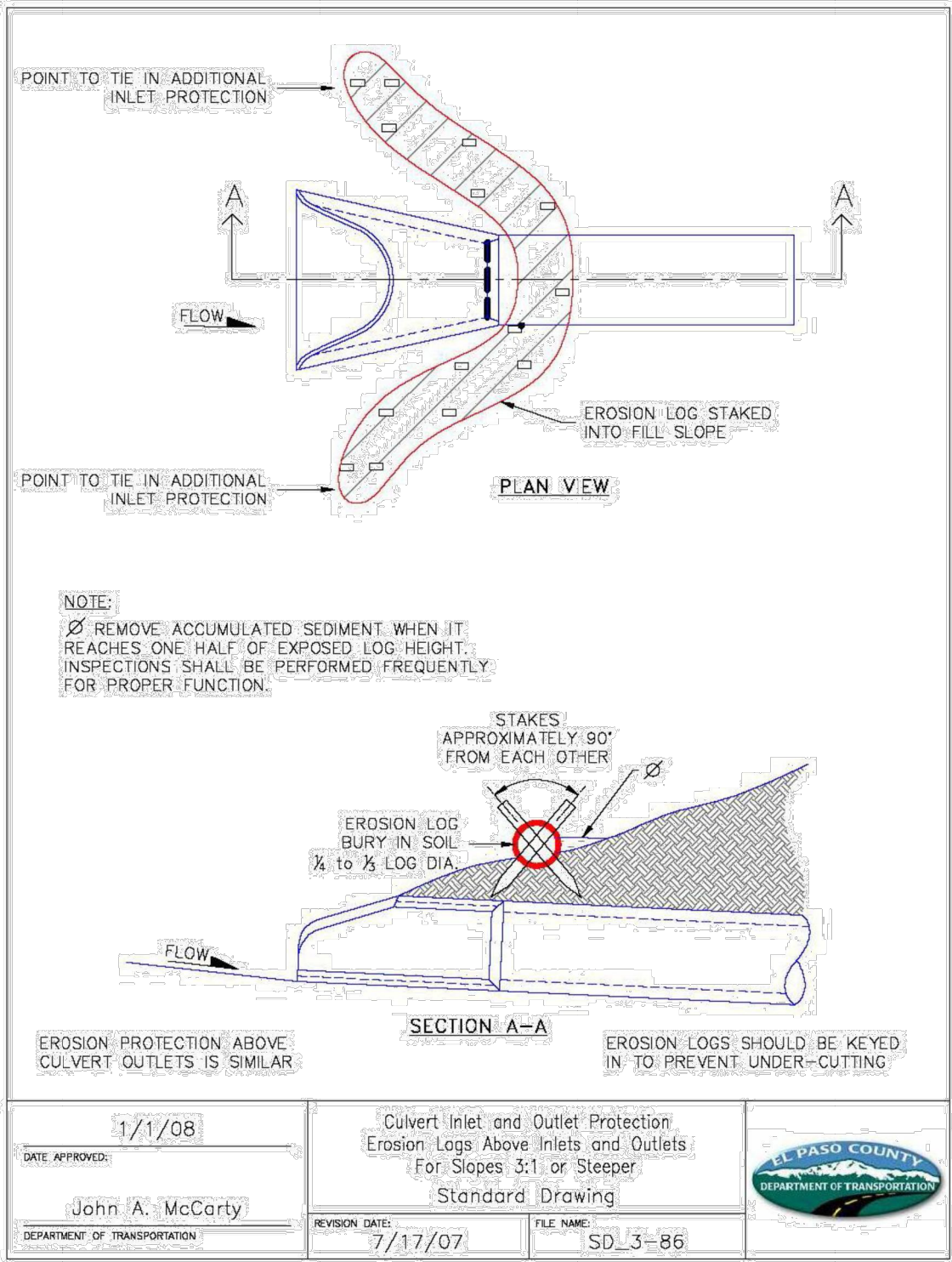
SSA-4 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3 November 2010



DATE APPROVED: 1/1/08	Concrete Washout Structure	EL PASO COUNTY DEPARTMENT OF TRANSPORTATION
John A. McCarty	Standard Drawing	
DEPARTMENT OF TRANSPORTATION	REVISION DATE: 7/17/07	FILE NAME: SD_3-84



DATE APPROVED: 1/1/08	Erosion Log Check Dams	EL PASO COUNTY DEPARTMENT OF TRANSPORTATION
John A. McCarty	Standard Drawing	
DEPARTMENT OF TRANSPORTATION	REVISION DATE: 7/17/07	FILE NAME: SD_3-85

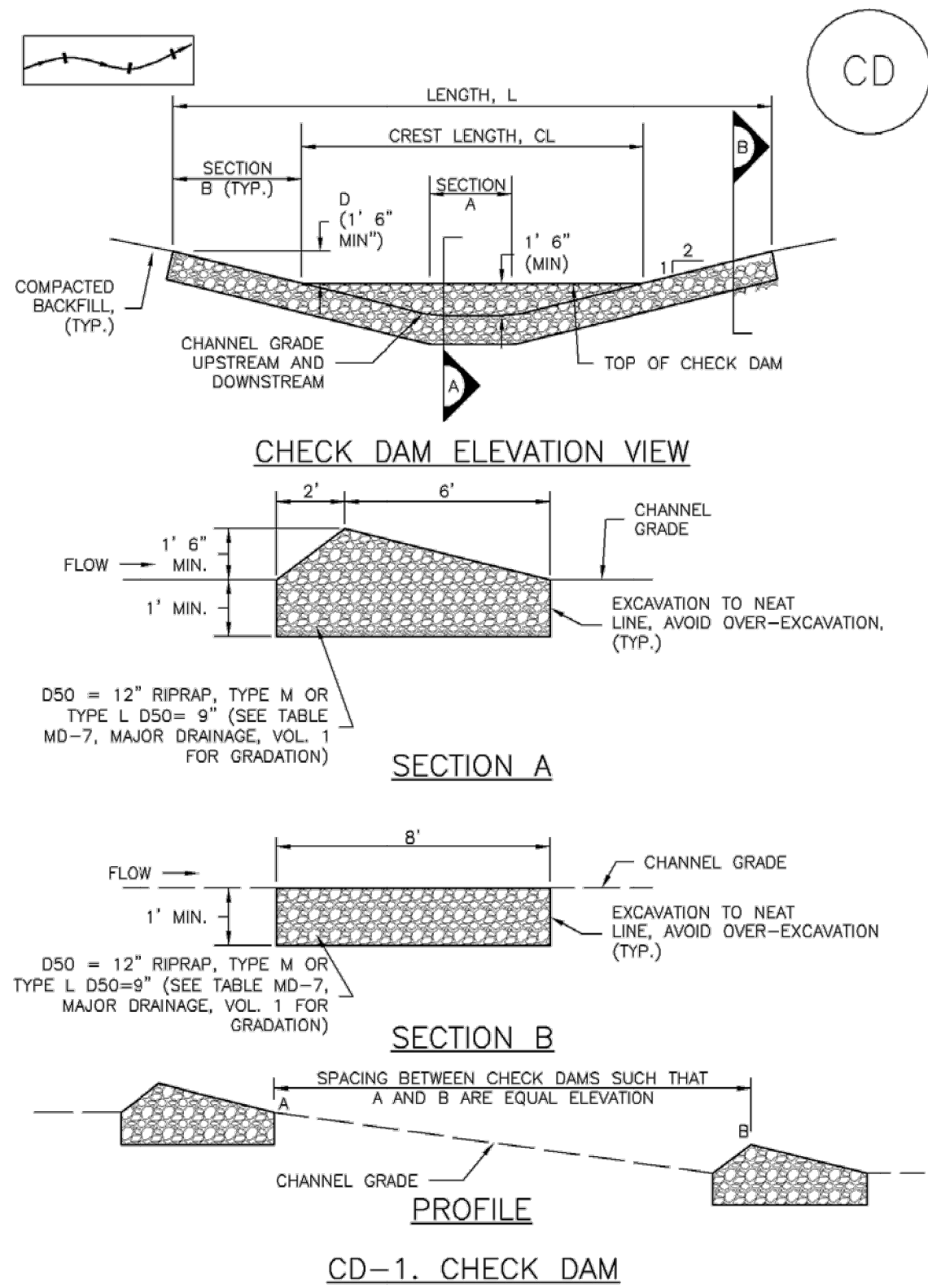


DATE APPROVED: 1/1/08	Culvert Inlet and Outlet Protection	EL PASO COUNTY DEPARTMENT OF TRANSPORTATION
John A. McCarty	Standard Drawing	
DEPARTMENT OF TRANSPORTATION	REVISION DATE: 7/17/07	FILE NAME: SD_3-86

KHA PROJECT 019610600		DATE 01/08/2021		SCALE AS SHOWN		DESIGNED BY KHTAM		DRAWN BY KHTAM		CHECKED BY		TLC DATE: _____		LISCENSED PROFESSIONAL KEVIN KOFFORD CO LICENSE NUMBER 57234		Kimley»Horn		© 2020 KIMLEY-HORN AND ASSOCIATES, INC. 2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903 PHONE: 719-453-0180 WWW.KIMLEY-HORN.COM		No.		REVISIONS		DATE		BY	
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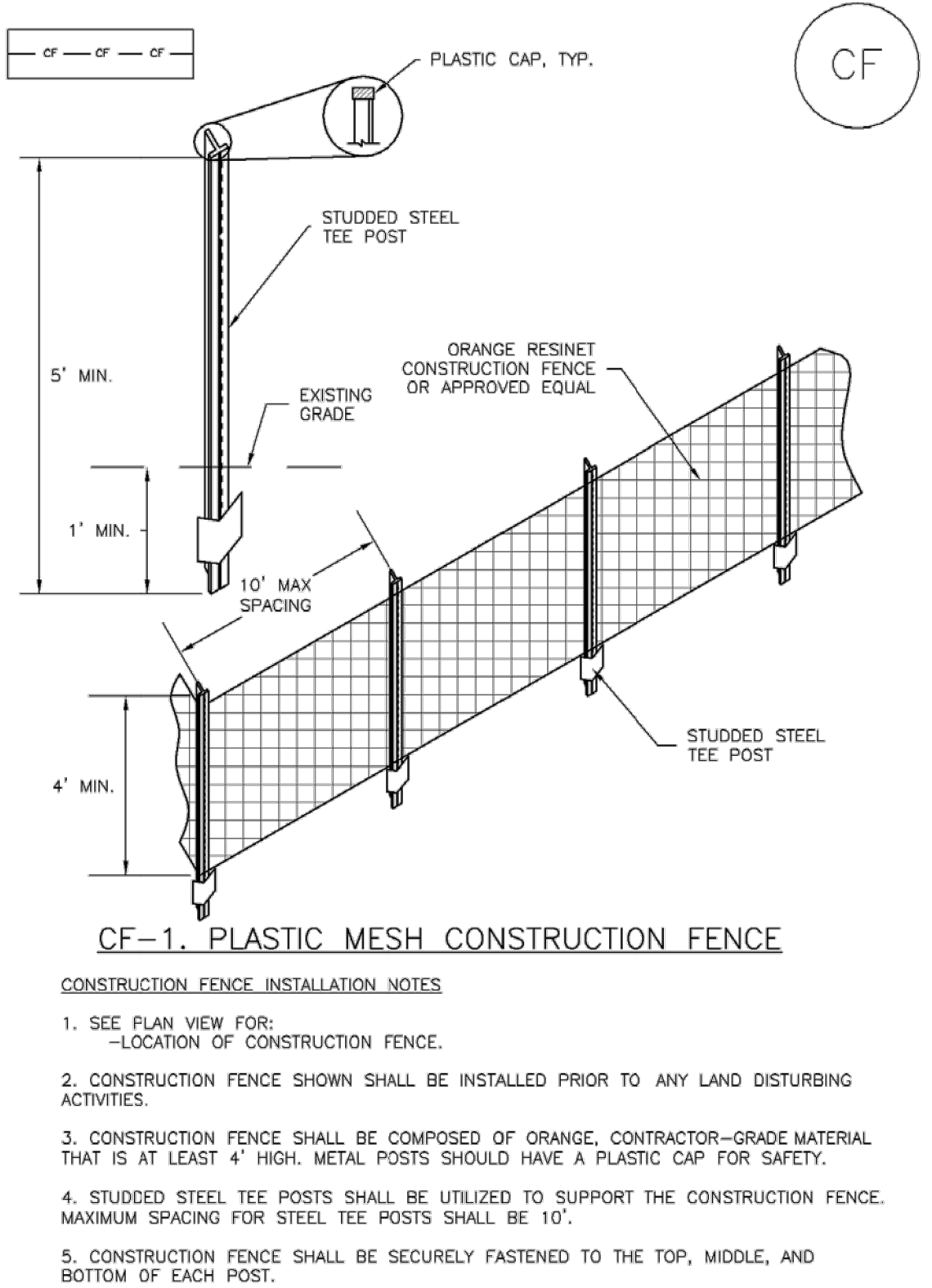
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Check Dams (CD) EC-12



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 CD-3

SM-3 Construction Fence (CF)



CF-2 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

EC-12 Check Dams (CD)

- CHECK DAM INSTALLATION NOTES**
- SEE PLAN VIEW FOR:
 - LOCATION OF CHECK DAMS.
 - CHECK DAM TYPE (CHECK DAM OR REINFORCED CHECK DAM).
 - LENGTH (L), CREST LENGTH (CL), AND DEPTH (D).
 - CHECK DAMS INDICATED ON INITIAL SWMP SHALL BE INSTALLED AFTER CONSTRUCTION FENCE, BUT PRIOR TO ANY UPSTREAM LAND DISTURBING ACTIVITIES.
 - RIPRAP UTILIZED FOR CHECK DAMS SHOULD BE OF APPROPRIATE SIZE FOR THE APPLICATION. TYPICAL TYPES OF RIPRAP USED FOR CHECK DAMS ARE TYPE M (D50 12") OR TYPE L (D50 9").
 - RIPRAP PAD SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF 1'.
 - THE ENDS OF THE CHECK DAM SHALL BE A MINIMUM OF 1' 6" HIGHER THAN THE CENTER OF THE CHECK DAM.
- CHECK DAM MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - SEDIMENT ACCUMULATED UPSTREAM OF THE CHECK DAMS SHALL BE REMOVED WHEN THE SEDIMENT DEPTH IS WITHIN 1/2 OF THE HEIGHT OF THE CREST.
 - CHECK DAMS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
 - WHEN CHECK DAMS ARE REMOVED, EXCAVATIONS SHALL BE FILLED WITH SUITABLE COMPACTED BACKFILL. DISTURBED AREA SHALL BE SEEDED AND MULCHED AND COVERED WITH GEOTEXTILE OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.
- (DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)
- NOTE:** MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

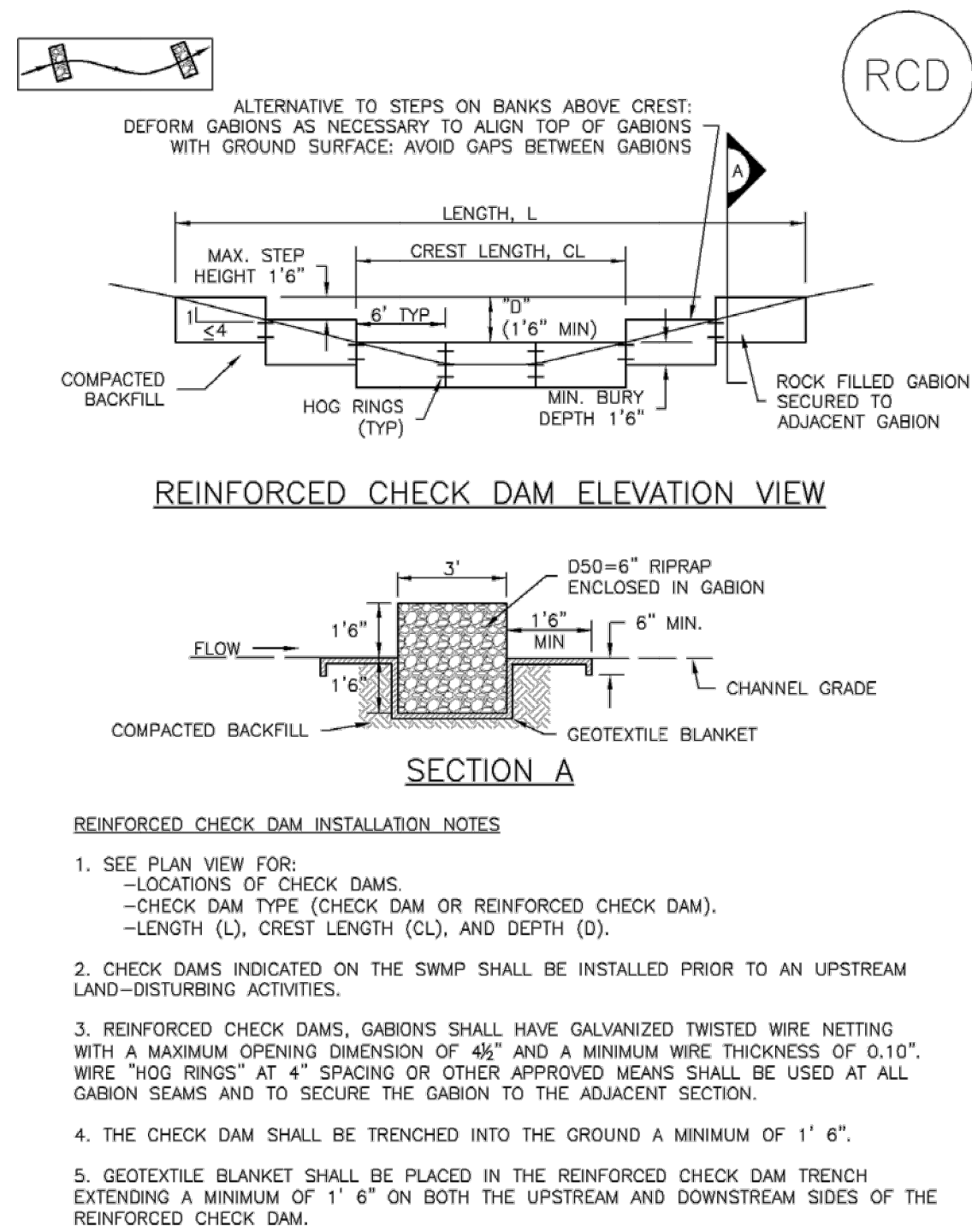
CD-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

SM-3 Construction Fence (CF)

- CONSTRUCTION FENCE MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - CONSTRUCTION FENCE SHALL BE REPAIRED OR REPLACED WHEN THERE ARE SIGNS OF DAMAGE SUCH AS RIPS OR SAGS. CONSTRUCTION FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
 - WHEN CONSTRUCTION FENCES ARE REMOVED, ALL DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE FENCE SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED, OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.
- NOTE:** MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.
- (DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

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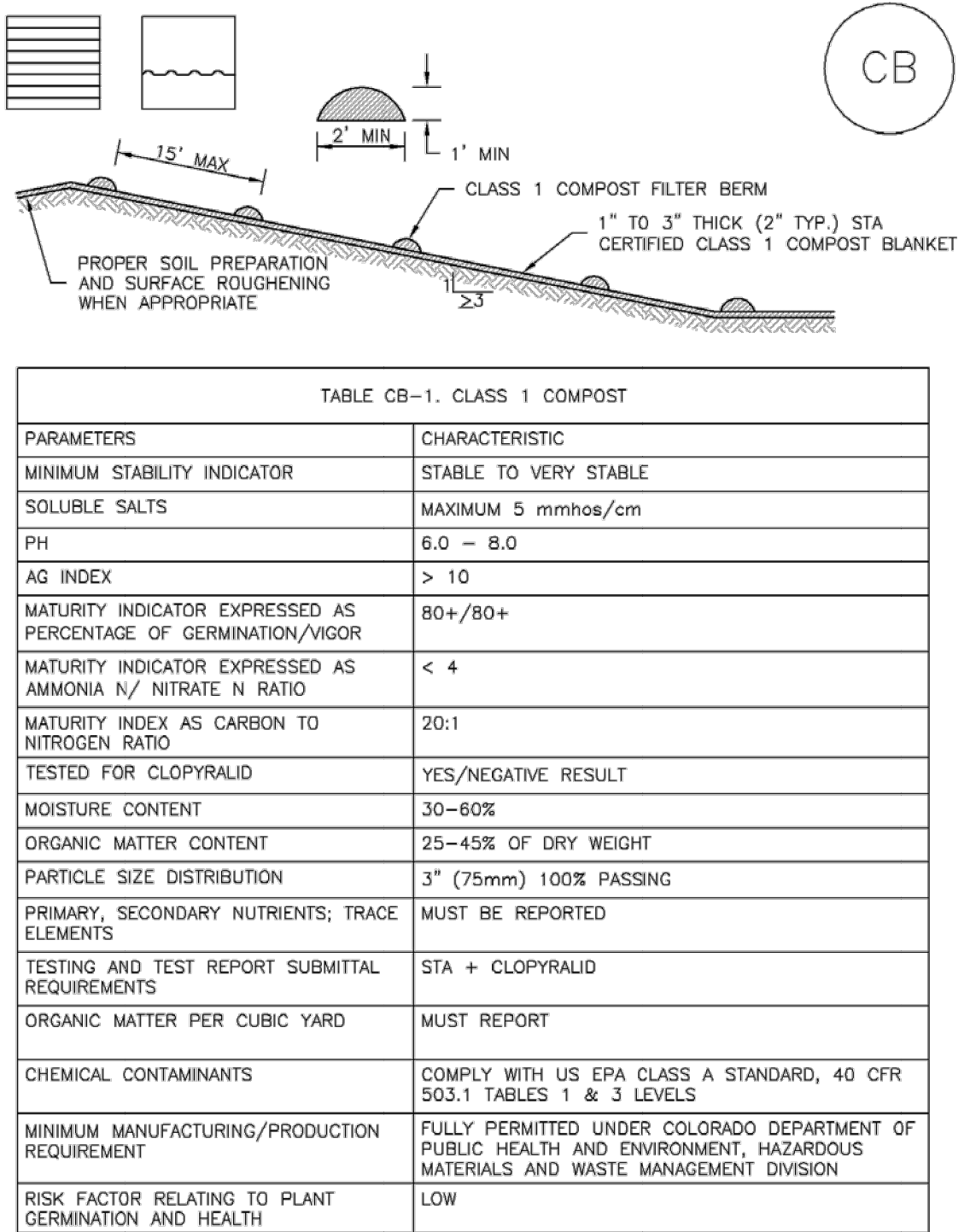
Check Dams (CD) EC-12



CD-2. REINFORCED CHECK DAM

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 CD-5

Compost Blanket and Filter Berm (CB) EC-5



CB-1. COMPOST BLANKET AND COMPOST FILTER BERM

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 CB-3

EC-12 Check Dams (CD)

- REINFORCED CHECK DAM MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - SEDIMENT ACCUMULATED UPSTREAM OF REINFORCED CHECK DAMS SHALL BE REMOVED AS NEEDED TO MAINTAIN THE EFFECTIVENESS OF BMP, TYPICALLY WHEN THE UPSTREAM SEDIMENT DEPTH IS WITHIN 1/2 THE HEIGHT OF THE CREST.
 - REPAIR OR REPLACE REINFORCED CHECK DAMS WHEN THERE ARE SIGNS OF DAMAGE SUCH AS HOLES IN THE GABION OR UNDERCUTTING.
 - REINFORCED CHECK DAMS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
 - WHEN REINFORCED CHECK DAMS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED, AND COVERED WITH A GEOTEXTILE BLANKET, OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.
- (DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)
- NOTE:** MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

CD-6 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

EC-5 Compost Blanket and Filter Berm (CB)

- COMPOST FILTER BERM AND COMPOST BLANKET INSTALLATION NOTES**
- SEE PLAN VIEW FOR:
 - LOCATION OF COMPOST FILTER BERM(S).
 - LENGTH OF COMPOST FILTER BERM(S).
 - COMPOST BERMS AND BLANKETS MAY BE USED IN PLACE OF STRAW MULCH OR GEOTEXTILE FABRIC IN AREAS WHERE ACCESS TO LANDSCAPING IS DIFFICULT DUE TO LANDSCAPING OR OTHER OBJECTS OR IN AREAS WHERE A SMOOTH TURF GRASS FINISH IS DESIRED.
 - FILTER BERMS SHALL RUN PARALLEL TO THE CONTOUR.
 - FILTER BERMS SHALL BE A MINIMUM OF 1 FEET HIGH AND 2 FEET WIDE.
 - FILTER BERMS SHALL BE APPLIED BY PNEUMATIC BLOWER OR BY HAND.
 - FILTER BERMS SHALL ONLY BE UTILIZED IN AREAS WHERE SHEET FLOW CONDITIONS PREVAIL AND NOT IN AREAS OF CONCENTRATED FLOW.
 - COMPOST BLANKETS SHALL BE APPLIED AT A DEPTH OF 1 -3 INCHES (TYPICALLY 2 INCHES). FOR AREAS WITH EXISTING VEGETATION THAT ARE TO BE SUPPLEMENTED BY COMPOST, A THIN 0.5-INCH LAYER MAY BE USED.
 - SEEDING SHALL BE PERFORMED PRIOR TO THE APPLICATION OF COMPOST. ALTERNATIVELY, SEED MAY BE COMBINED WITH COMPOST AND BLOWN WITH THE PNEUMATIC BLOWER.
 - WHEN TURF GRASS FINISH IS NOT DESIRED, SURFACE ROUGHENING ON SLOPES SHALL TAKE PLACE PRIOR TO COMPOST APPLICATION.
 - COMPOST SHALL BE A CLASS 1 COMPOST AS DEFINED BY TABLE CB-1.
- COMPOST FILTER BERM MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - COMPOST BERMS AND BLANKETS SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RILLING IN THE COMPOST SURFACE OCCURS.
- (DETAILS ADAPTED FROM ARAPAHOE COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)
- NOTE:** MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

CB-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

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EROSION CONTROL
DETAILS

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No.

DATE

BY

KHA PROJECT
0196106000

DATE
01/08/2021

SCALE
AS SHOWN

DESIGNED BY
KHTAM

CHECKED BY
TLC

DATE

LICENSED PROFESSIONAL

KEVIN KOFFORD

CO LICENSE NUMBER
57234

SHEET NUMBER

37

