

EL PASO COUNTY GRADING AND EROSION CONTROL PLAN NOTES

1. 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.
2. 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 RULES AND ADAPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
3. 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. MANAGEMENT OF THE SWMP DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QUALIFIED STORMWATER MANAGER OR CERTIFIED EROSION CONTROL INSPECTOR. THE SWMP SHALL BE LOCATED ON SITE AT ALL TIMES DURING CONSTRUCTION AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
4. ONCE THE ESQCP IS APPROVED AND A "NOTICE TO PROCEED" HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED 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 STAFF.
5. CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, AND DISTURBED LAND AREAS SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF THE DISTURBANCE.
6. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE ACTIVITIES SHALL ASSESS THE ADEQUACY OF CONTROL MEASURES AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CONTROL MEASURES ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CONTROL MEASURES. ALL CHANGES TO TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MUST BE INCORPORATED INTO THE STORMWATER MANAGEMENT PLAN.
7. TEMPORARY STABILIZATION SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.
8. FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES ARE COMPLETED AND ALL DISTURBED AREAS EITHER HAVE A UNIFORM VEGETATIVE COVER WITH INDIVIDUAL PLANT DENSITY OF 70 PERCENT OF PRE-DISTURBANCE LEVELS ESTABLISHED OR EQUIVALENT PERMANENT ALTERNATIVE STABILIZATION METHOD IS IMPLEMENTED. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED UPON FINAL STABILIZATION AND BEFORE PERMIT CLOSURE.
9. ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT EFFECT THE DESIGN OR FUNCTION OF PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
10. EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE 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. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A WATERS OF THE STATE UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED.
11. COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES OR WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF COMPACTION PREVENTION IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, ALL AREAS DESIGNATED FOR INFILTRATION AND VEGETATION CONTROL MEASURES MUST BE LOOSENEED PRIOR TO INSTALLATION OF THE CONTROL MEASURE(S).
12. ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF SITE.
13. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUTS SHALL BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK OR STREAM.
14. DURING DEWATERING OPERATIONS OF UNCONTAMINATED GROUND WATER MAY BE DISCHARGED ON SITE, BUT SHALL NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF UNLESS AN APPROVED STATE DEWATERING PERMIT IS IN PLACE.
15. EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
16. 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.
17. 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. CONTROL MEASURES MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
18. TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
19. THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEMS AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
20. 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.
21. NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ONSITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
22. BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPILLS ONSITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR OTHER FACILITIES.
23. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
24. OWNER/DEVELOPER AND THEIR AGENTS 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 OF THE LAND DEVELOPMENT CODE, DCM VOLUME II AND THE ECM VOLUME I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (1041, NPDES FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.

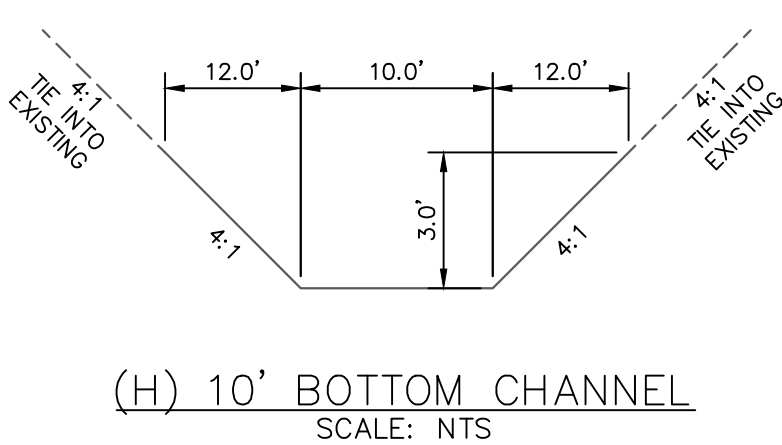
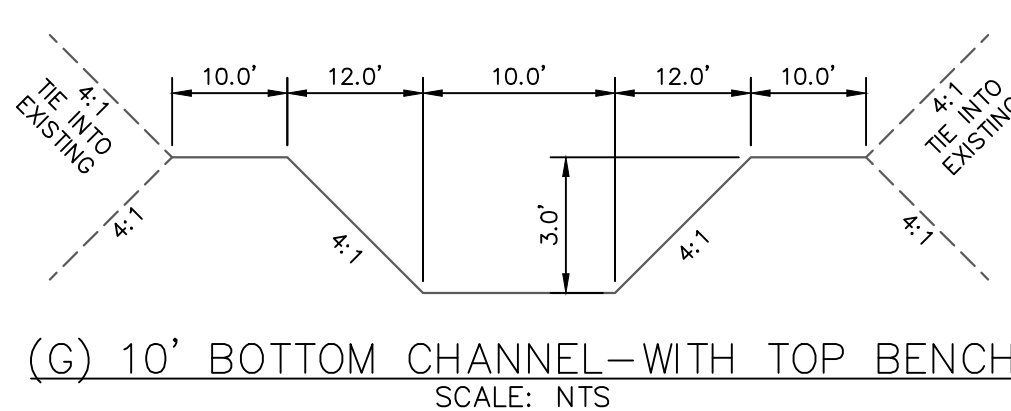
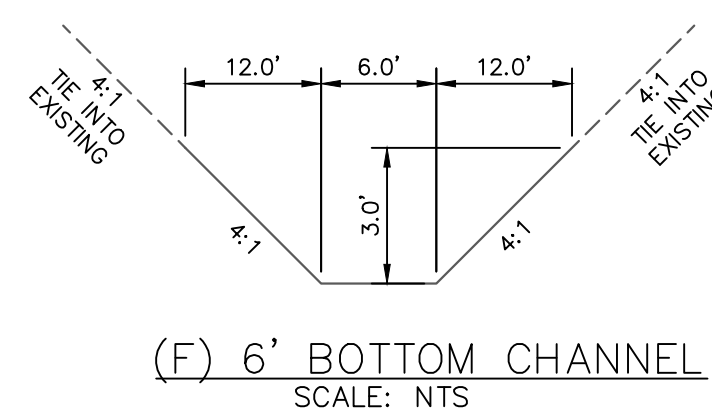
25. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.
26. PRIOR TO CONSTRUCTION THE PERMITEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
27. A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
28. THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY ENTECH ENGINEERING, INC. DATED JANUARY 26, 2021 AND SHALL BE CONSIDERED A PART OF THESE PLANS.
29. AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB OR DISRUPT AN ACTIVE OR POTENTIAL WETLAND, THE PERMITEE SHALL SUBMIT TO THE CALIFORNIA DEPARTMENT OF PUBLIC RESOURCE A CERTIFICATE OF GRADING AND EROSION CONTROL MATERIALS CONTACT:

COLORADO DEPARTMENT OF
WATER QUALITY CONTROL
WQCD - PERMITS
4300 CHERRY CREEK
DENVER, CO 80246-1
ATTN: PERMITS UNIT

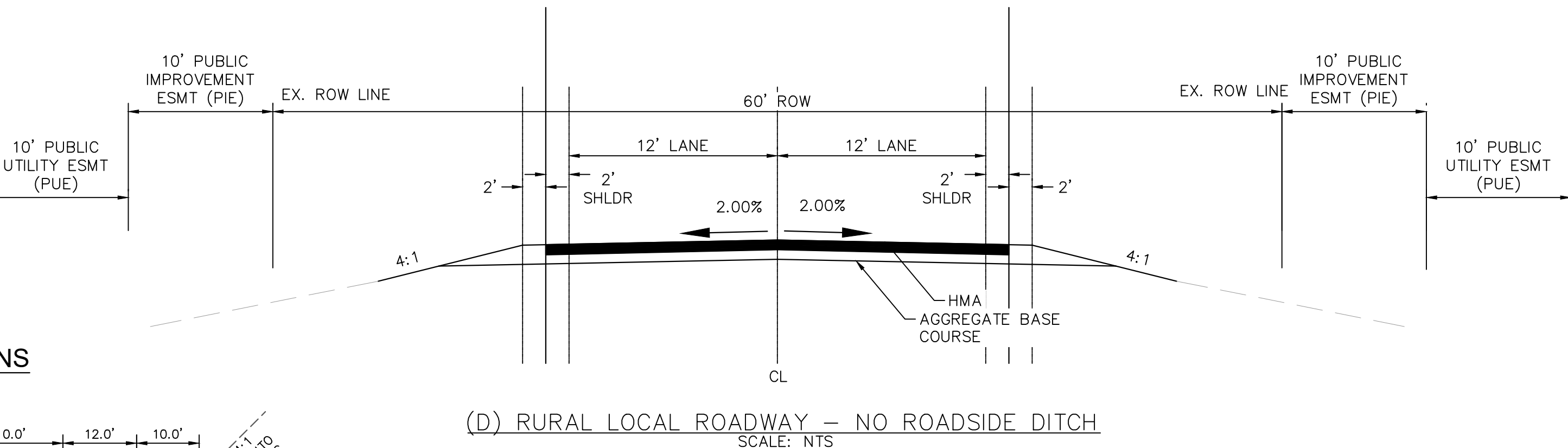
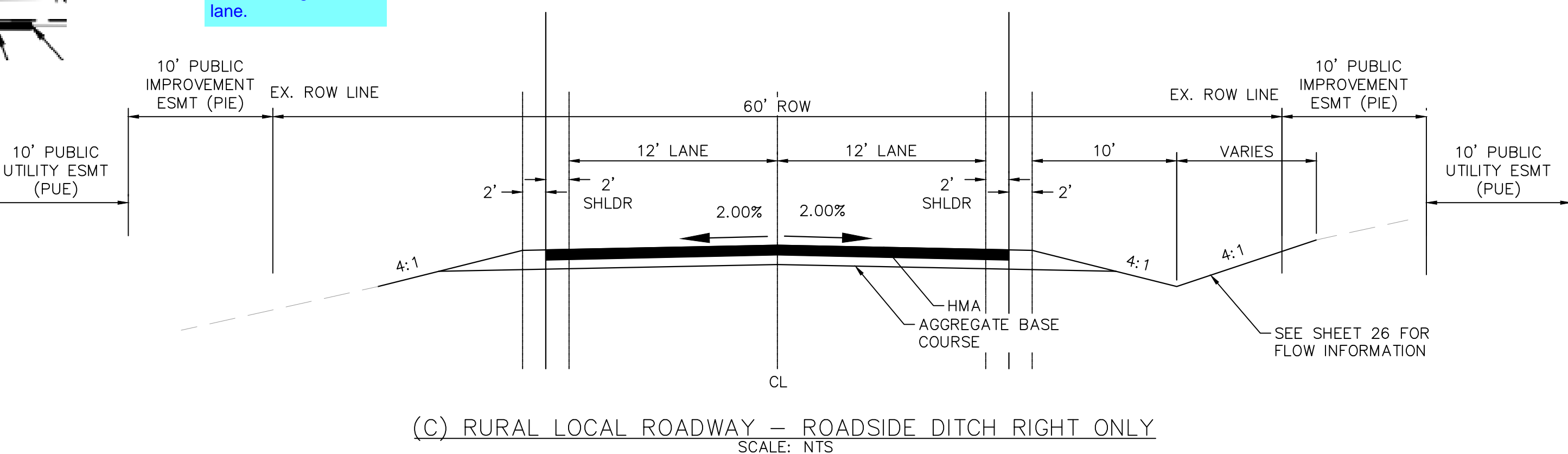
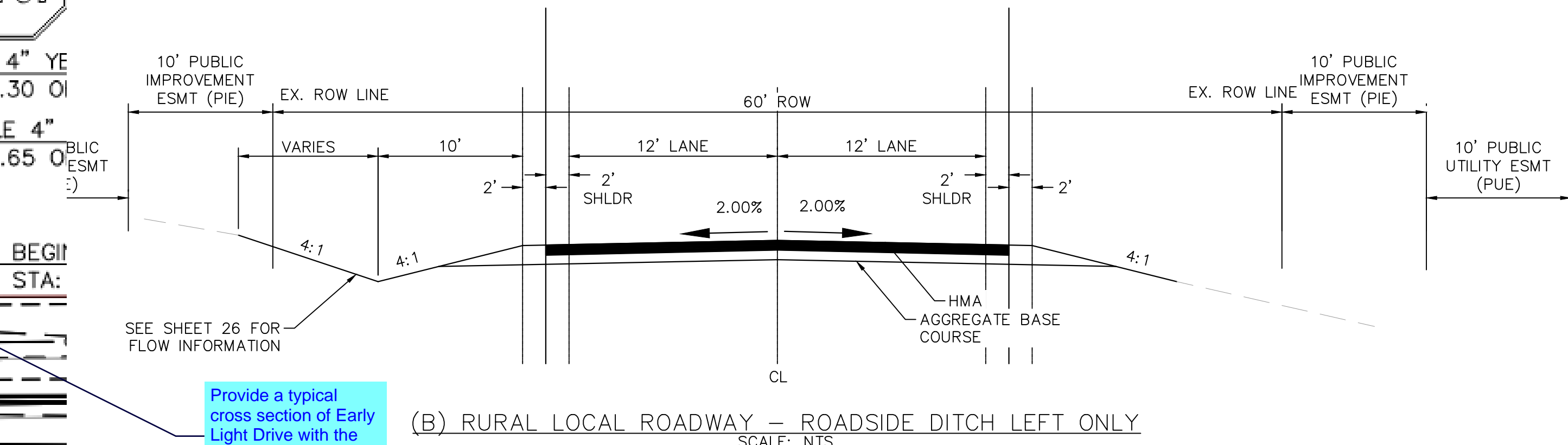
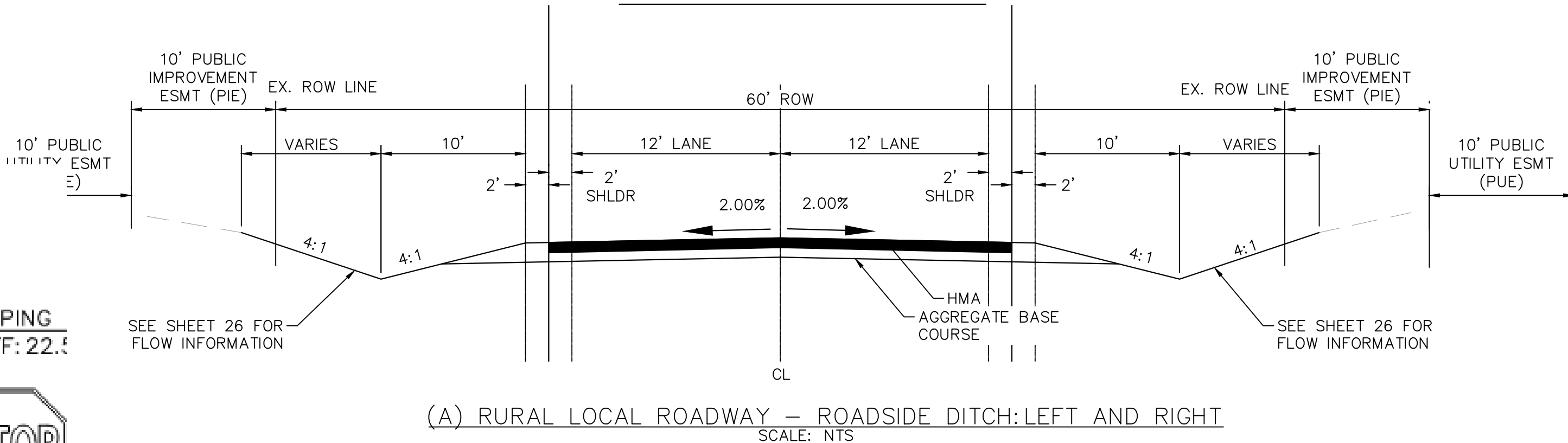
STANDARD NOTES

- ALL DRAINAGE AND ROAD
THE CITY OF COLORADO
AND THE EL PASO COUNT
- END DOUBLE
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BEGIN DOUB
STA: 1017+1
- CONTRACTOR SHALL BE R
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a.EL PASO COUNTY ENGI
b.CITY OF COLORADO SPI
c.COLORADO DEPARTMEN
BRIDGE CONSTRUCTION
d.CDOT M & S STANDARI
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ENGINEERING CRITERIA MA
MANUAL VOLUME 2. ANY
AND APPROVED, IN WRITIN
WILL BE ENTIRELY THE DE
- IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH
ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO
CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S
RESPONSIBILITY TO RECTIFY.
- CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING
AND COMMUNITY DEVELOPMENT (PCD) - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL
JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO
EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL
BUILDING FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR
404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
- CONTRACTOR SHALL NOT DEViate FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL
FROM THE DESIGN ENGINEER AND PCD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER
IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
- ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD
- CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT
DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND
GUTTER AND PAVEMENT.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS
POINTS.
- SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL
INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED
WITHIN SIGHT TRIANGLES.
- SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA. [IF
APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.]
- CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, INCLUDING WORK
WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
- THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE
NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE
REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING,
OR CONSTRUCTION.

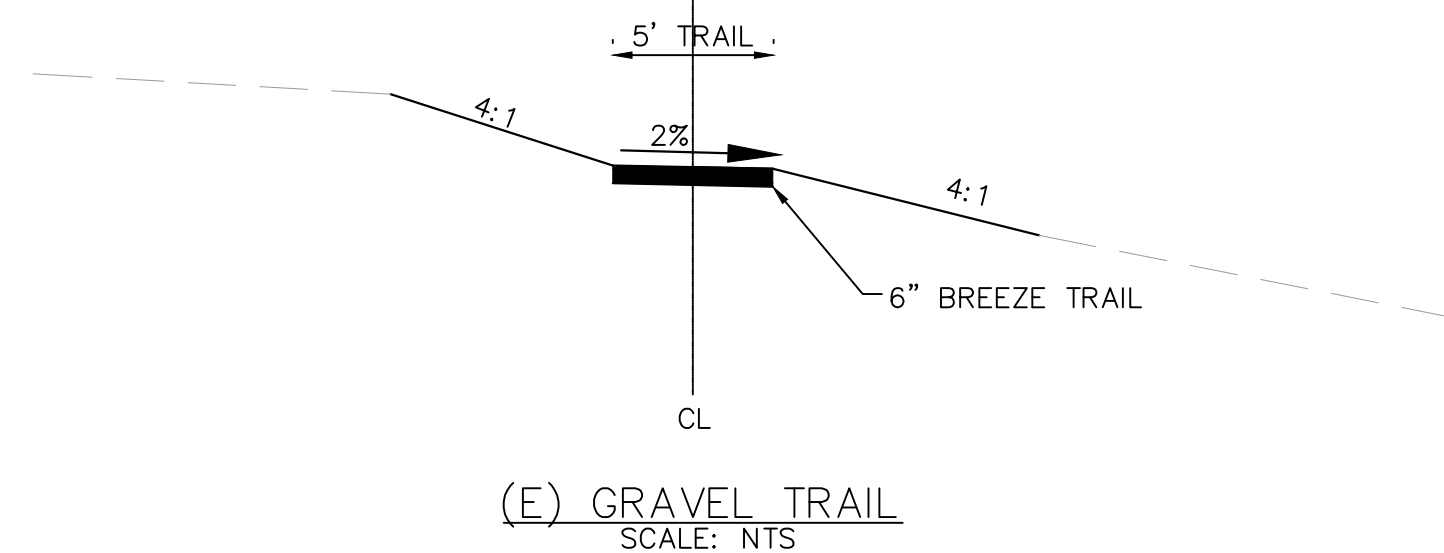
DRAINAGE CHANNEL CROSS SECTIONS



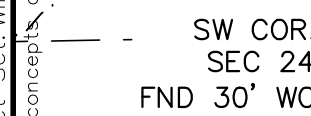
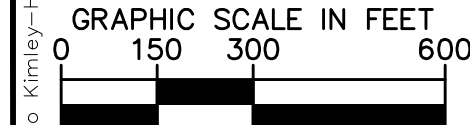
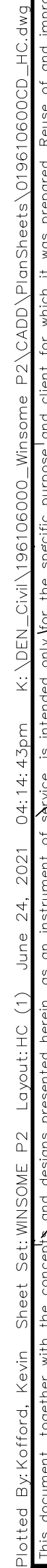
ROADWAY CROSS SECTIONS



TRAIL CROSS SECTION



SHEET NUMBER		02	
WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC		EL PASO COUNTY CO	
GENERAL NOTES AND CROSS SECTIONS		KHA PROJECT 019610600 DATE 05/13/2021 SCALE AS SHOWN DESIGNED BY KHTAM DRAWN BY KHTAM CHECKED BY _____ DATE: _____	
LICENSED PROFESSIONAL		KEVIN KOFFORD CO LICENSE NUMBER 57234	
Kimley»Horn		© 2021 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



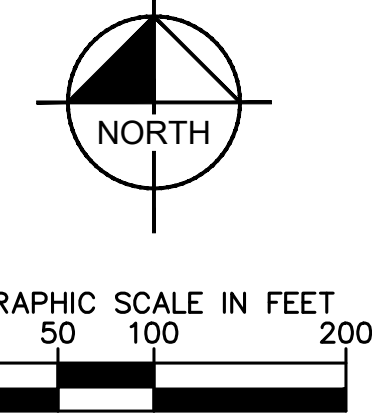
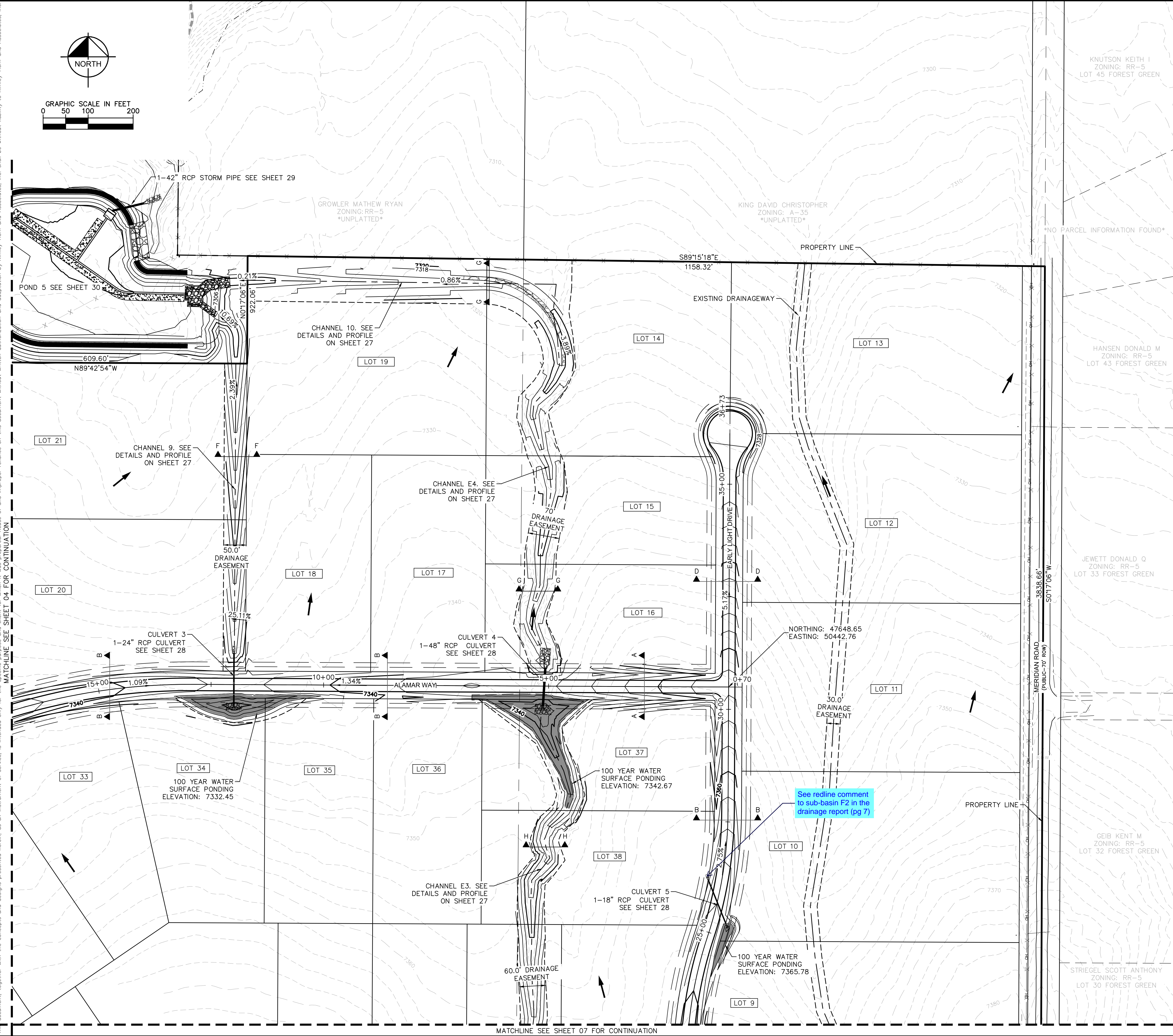
THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 24, TOWNSHIP 11 SOUTH, RANGE 65 WEST OF THE 6TH/ PRINCIPAL MERIDIAN BEING MONUMENTED ON THE SOUTHERLY END BY A 2-1/2" ALUMINUM CAP STAMPED 'LS 28658' AND AT THE NORTHERLY END BY A 3-1/2" ALUMINUM CAP STAMPED 'LS 12103' BEING ASSUMED TO BEAR N0014°25'E A DISTANCE OF 2636.99 FEET AS SHOWN IN LAND SURVEY PLAT RECORDED UNDER RECEPTION 218900072 RECORDS OF EL PASO COUNTY.

Kimley»»Horn

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

HORIZONTAL CONTROL

Plotted By: Kofford, Kevin Sheet Set: WINSOME P2 Layout: GD (2.0) June 07, 2021 10:34:44am K:\DEN-Civil\196106000_Winsome P2\CADD\PlanSheets\019610600GD_GD.dwg
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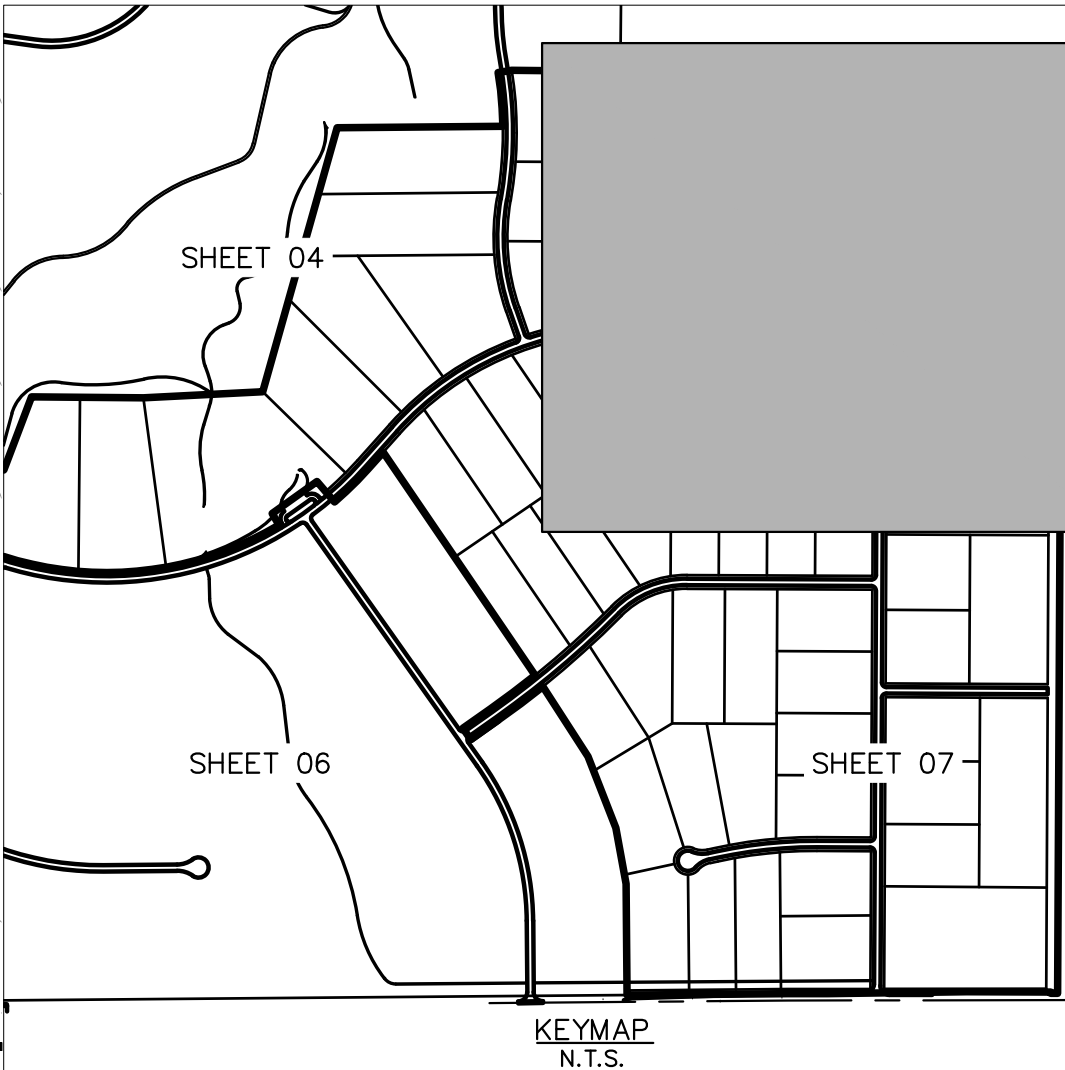


NOTES

1. SEE SHEET 2 FOR TYPICAL ROADWAY SECTIONS AND ROADSIDE DITCH CONFIGURATIONS AS LABELED IN PLAN VIEW.

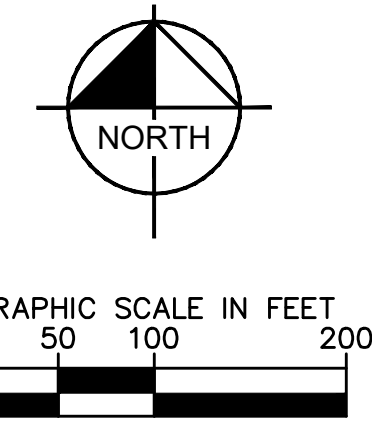
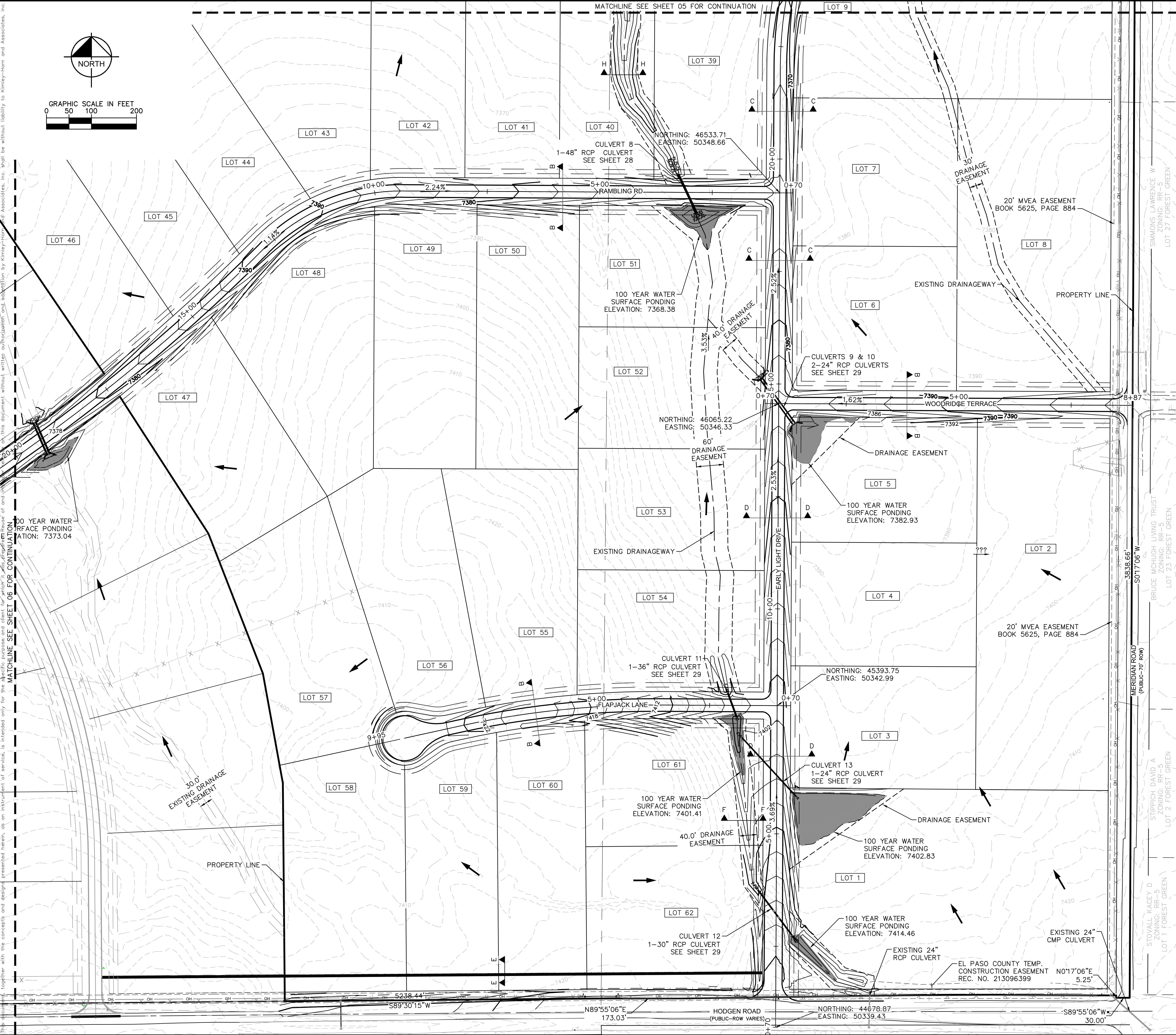
LEGEND

- PROPERTY LINE
- ROW LINE
- UTILITY EASEMENT LINE
- LOT LINE
- LOT #
- LOT NUMBER
- PROPOSED RIP RAP
- PROPOSED MAINTENANCE ACCESS ROAD
- CROSS SECTION (SEE SHEET 02)



WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC		EL PASO COUNTY		SHEET NUMBER 05	
GRADING PLAN		KIMLEY»Horn		© 2021 KIMLEY-HORN AND ASSOCIATES, INC. 2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903 PHONE: 719-453-0180 WWW.KIMLEY-HORN.COM	
KHA PROJECT 019610600		LICENSED PROFESSIONAL KEVIN KOFFORD		No.	
DATE 05/13/2021		CO LICENSE NUMBER 57234		BY	
SCALE AS SHOWN		DESIGNED BY KHTAM		REVISIONS	
DRAWN BY KHTAM		CHECKED BY		DATE	
		TLC DATE: ----			

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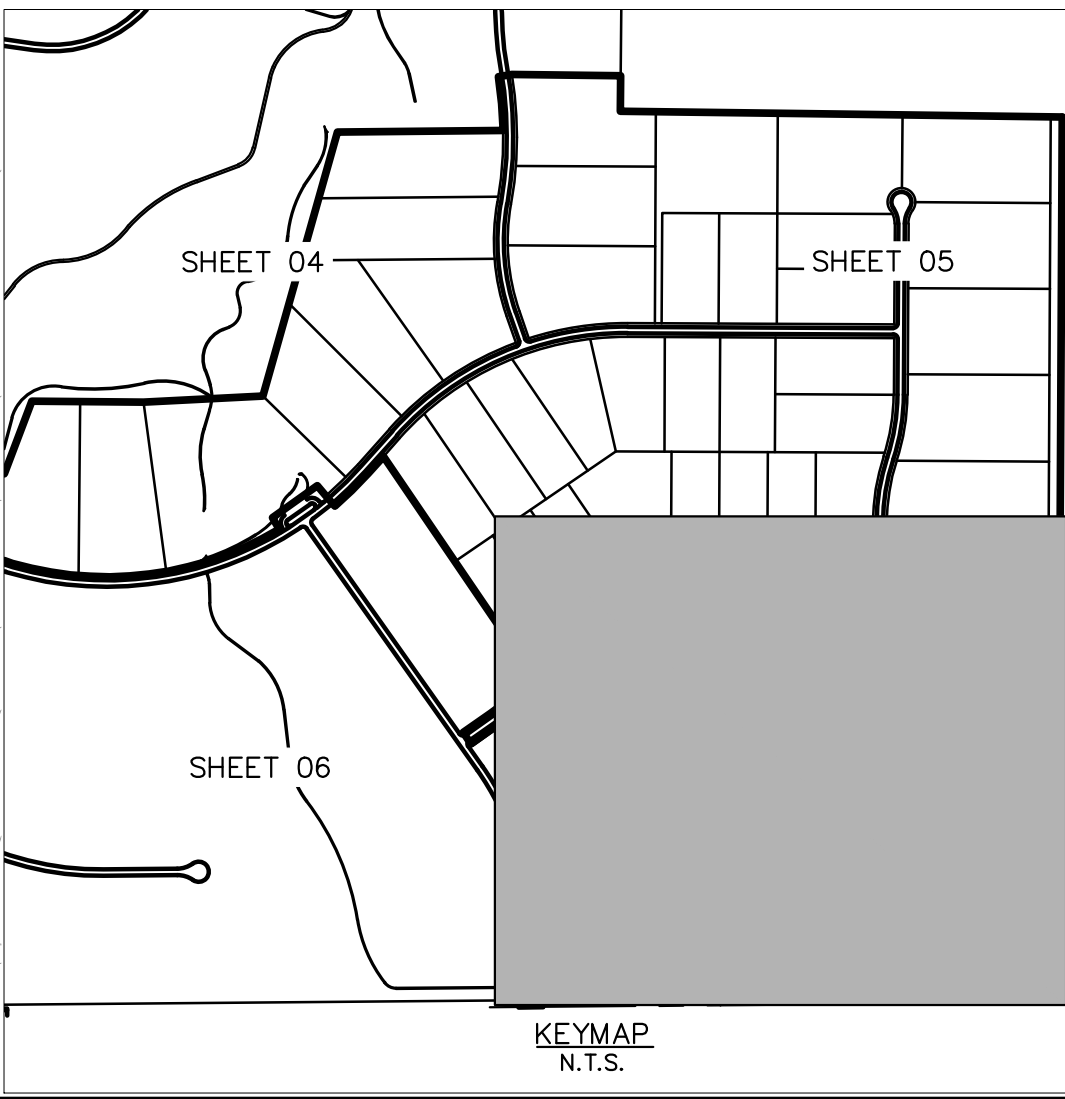


NOTES

- SEE SHEET 2 FOR TYPICAL ROADWAY SECTIONS AND ROADSIDE DITCH CONFIGURATIONS AS LABELED IN PLAN VIEW.

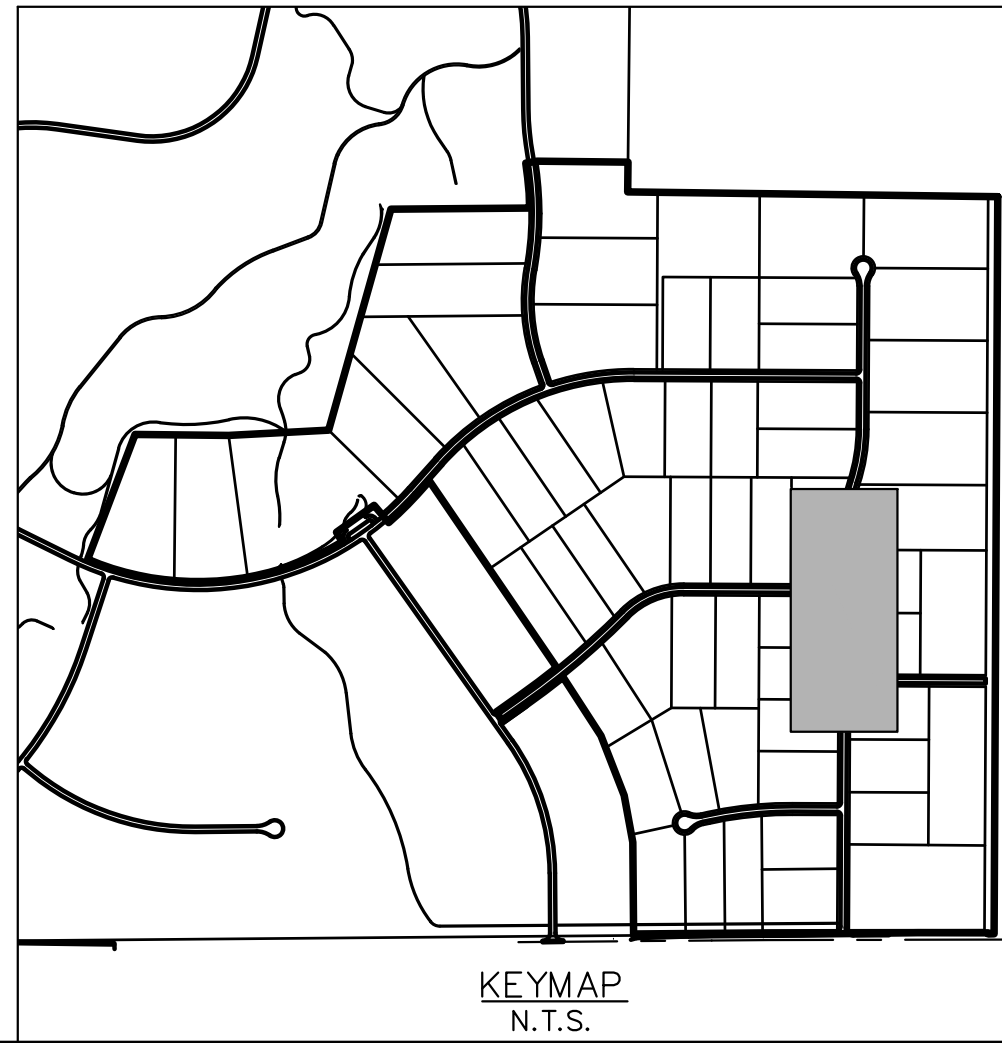
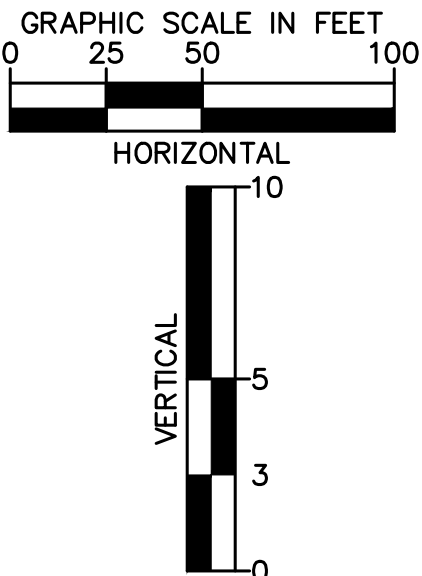
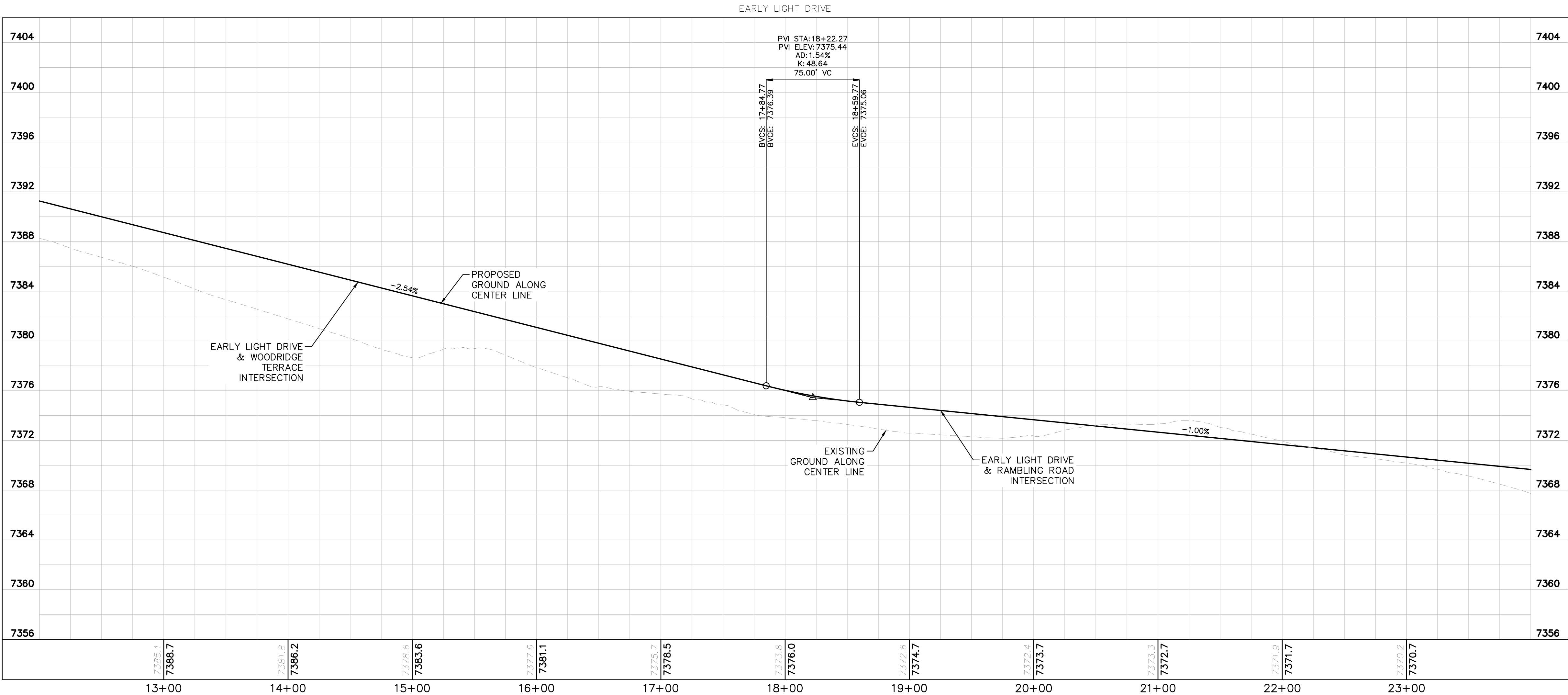
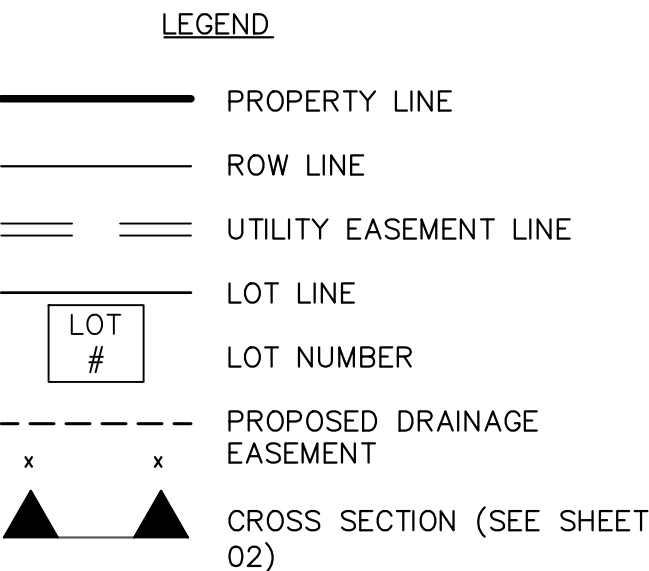
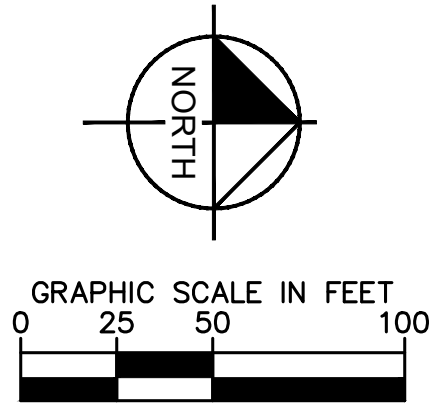
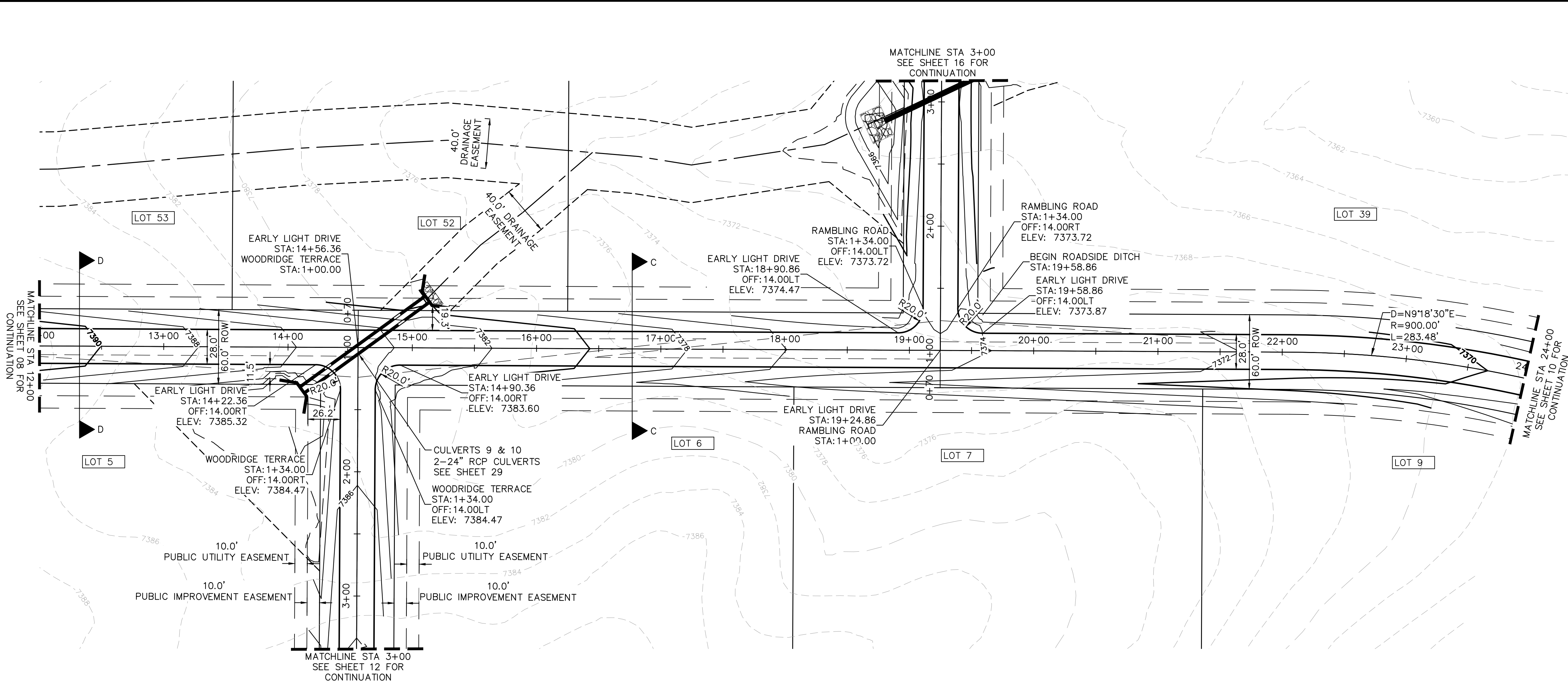
LEGEND

- PROPERTY LINE
- ROW LINE
- UTILITY EASEMENT LINE
- LOT LINE
- LOT #
- LOT NUMBER
- PROPOSED RIP RAP
- PROPOSED MAINTENANCE ACCESS ROAD
- CROSS SECTION (SEE SHEET 02)



SHEET NUMBER		07		EL PASO COUNTY		CO		GRADING PLAN		KHA PROJECT 019610600		LICENSED PROFESSIONAL		Kimley»»Horn		© 2021 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			
										DATE 05/13/2021		KEVIN KOFFORD															
										SCALE AS SHOWN		00 LICENSE NUMBER															
										DESIGNED BY KHTAM		57234															
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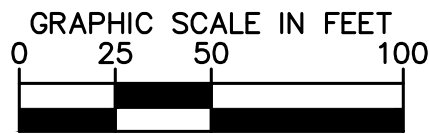
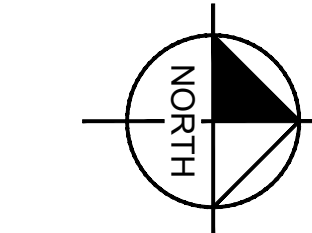
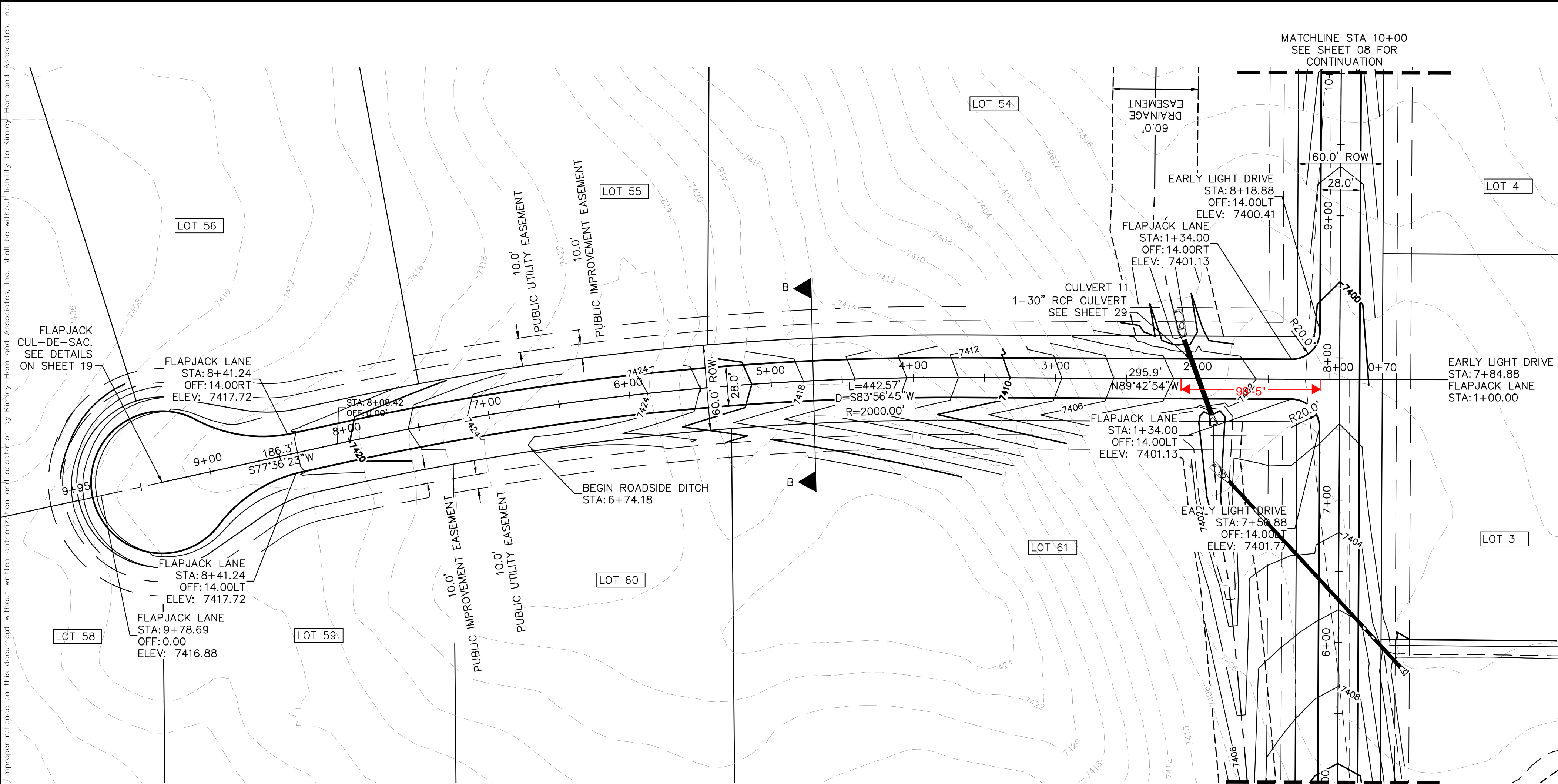


NOTES

- SEE SHEET 02 FOR TYPICAL ROADWAY SECTIONS, AND ROADSIDE DITCH CONFIGURATIONS AS LABELED IN PLAN VIEW.
- 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.
- CLEAR ZONE DISTANCE FOR LOCAL ROADS WITH A POSTED SPEED OF 30 MPH IS 7'. ALL HEADWALLS ARE TO BE OUTSIDE THE CLEAR ZONE.

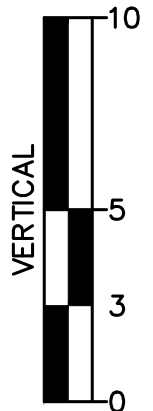
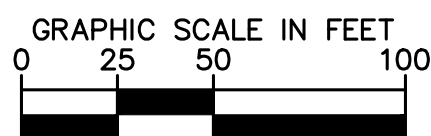
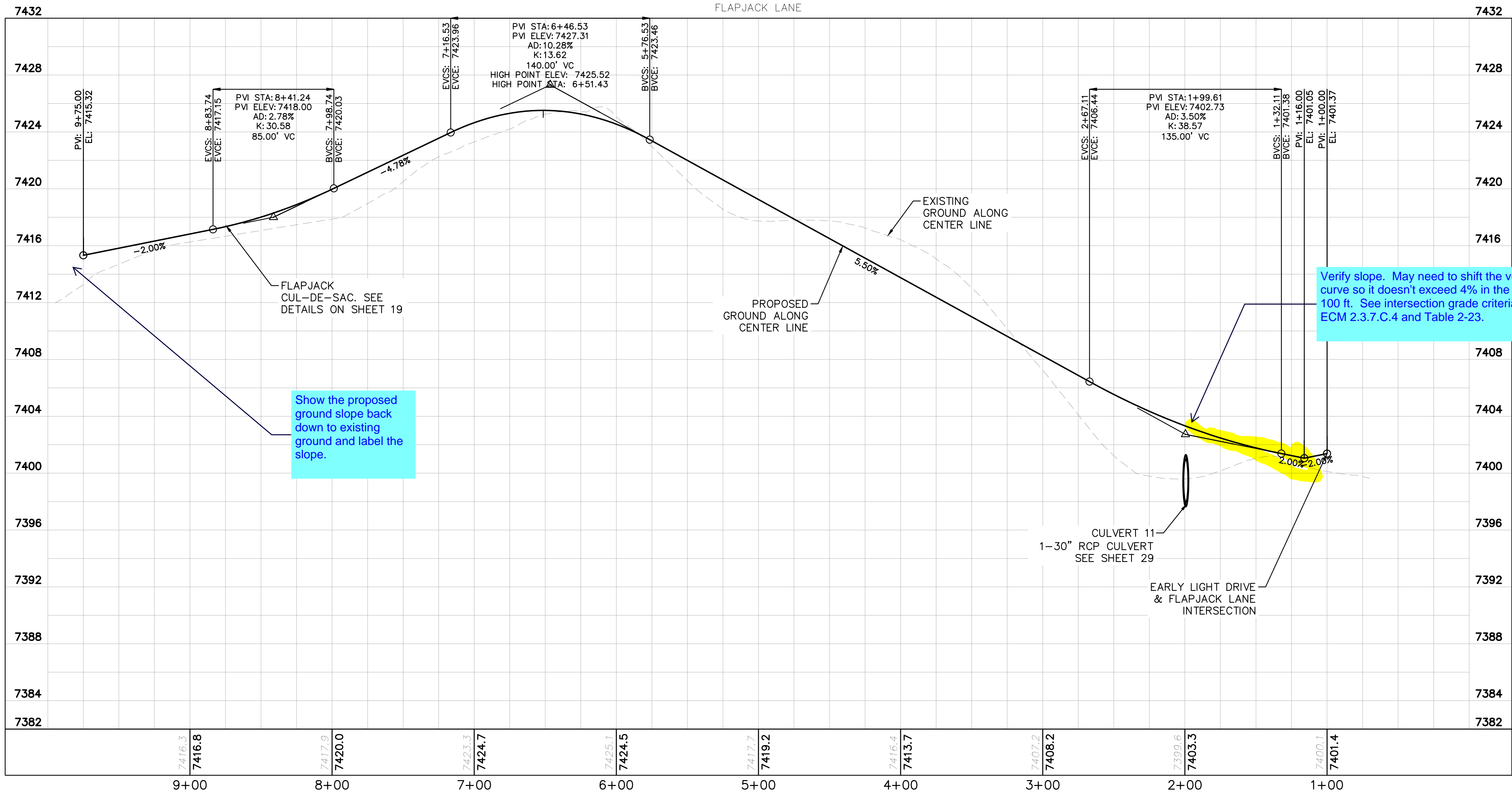
KHA PROJECT 019610600		KIMLEY-HORN		REVISIONS		BY
DATE 05/13/2021		© 2021 KIMLEY-HORN AND ASSOCIATES, INC. 2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903 PHONE: 719-453-0180 WWW.KIMLEY-HORN.COM				DATE
SCALE AS SHOWN DESIGNED BY KHTAM		KEVIN KOFFORD CO LICENSE NUMBER 57234				No.
DRAWN BY KHTAM		TLC DATE: _____				
EARLY LIGHT DRIVE ROADWAY PLAN AND PROFILE		WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC		EL PASO COUNTY		
SHEET NUMBER 09						

Plotted By:Kofford, Kevin Sheet Set:WINSOME P2 Layout:P&P Flapjack LN June 07, 2021 10:36:45am K:\DEN_Civil\196106000_Winsome P2\CADD\PlanSheets\0196106000D_RD_P&P.dwg
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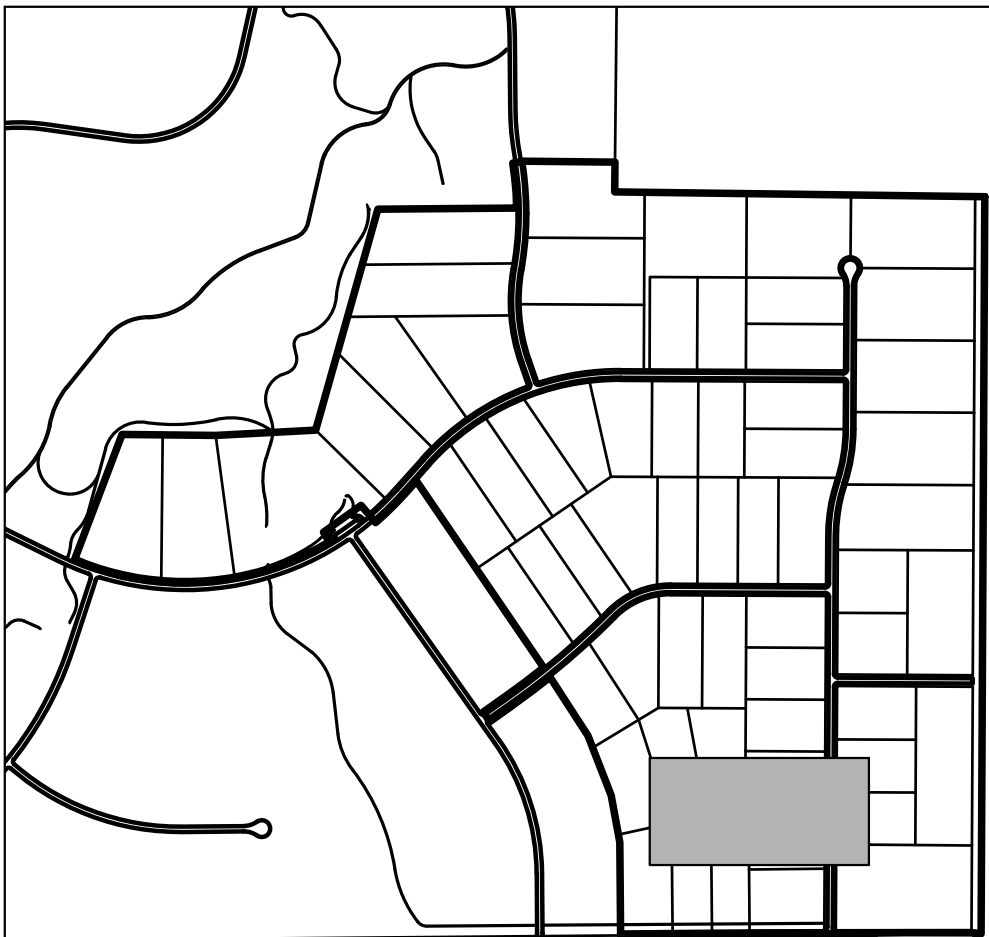
LEGEND

- PROPERTY LINE
- ROW LINE
- UTILITY EASEMENT LINE
- LOT LINE
- LOT NUMBER
- PROPOSED DRAINAGE EASEMENT
- CROSS SECTION (SEE SHEET 02)



NOTES

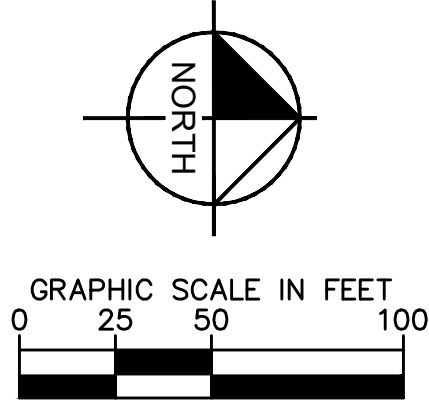
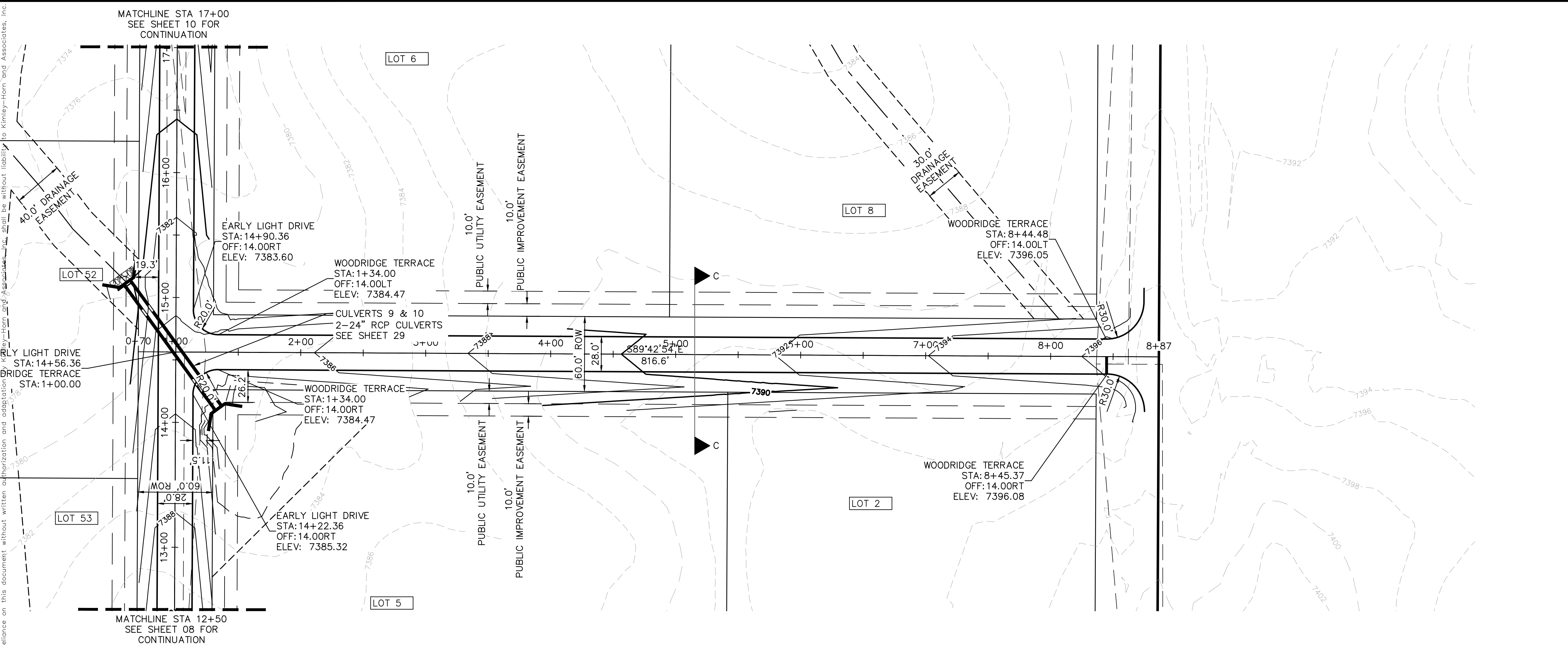
- SEE SHEET 02 FOR TYPICAL ROADWAY SECTIONS, AND ROADSIDE DITCH CONFIGURATIONS AS LABELED IN PLAN VIEW.
- INSTALL ECB CENTERED IN THE DITCH BOTTOM. 8' WIDE ROLL PROVIDING 4' OF WETTED PERIMETER ON EACH SIDE OF DITCH. USE WESTERN EXCELSIOR COCONUT/STRAW CS-3 OR MINIMUM EQUIVALENT.



KEYMAP
N.T.S.

WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC		EL PASO COUNTY		SHEET NUMBER 11	
FLAPJACK LN ROADWAY PLAN AND PROFILE		KIMLEY»Horn		© 2021 KIMLEY-HORN AND ASSOCIATES, INC. 2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903 PHONE: 719-453-0180 WWW.KIMLEY-HORN.COM	
KHA PROJECT 019610600		LICENSED PROFESSIONAL		KEVIN KOFFORD	
DATE 05/13/2021		SCALE AS SHOWN		CO LICENSE NUMBER 57234	
DESIGNED BY KHTAM		DRAWN BY KHTAM		CHECKED BY	
TLC DATE: ----		REVISIONS		BY	
				DATE	

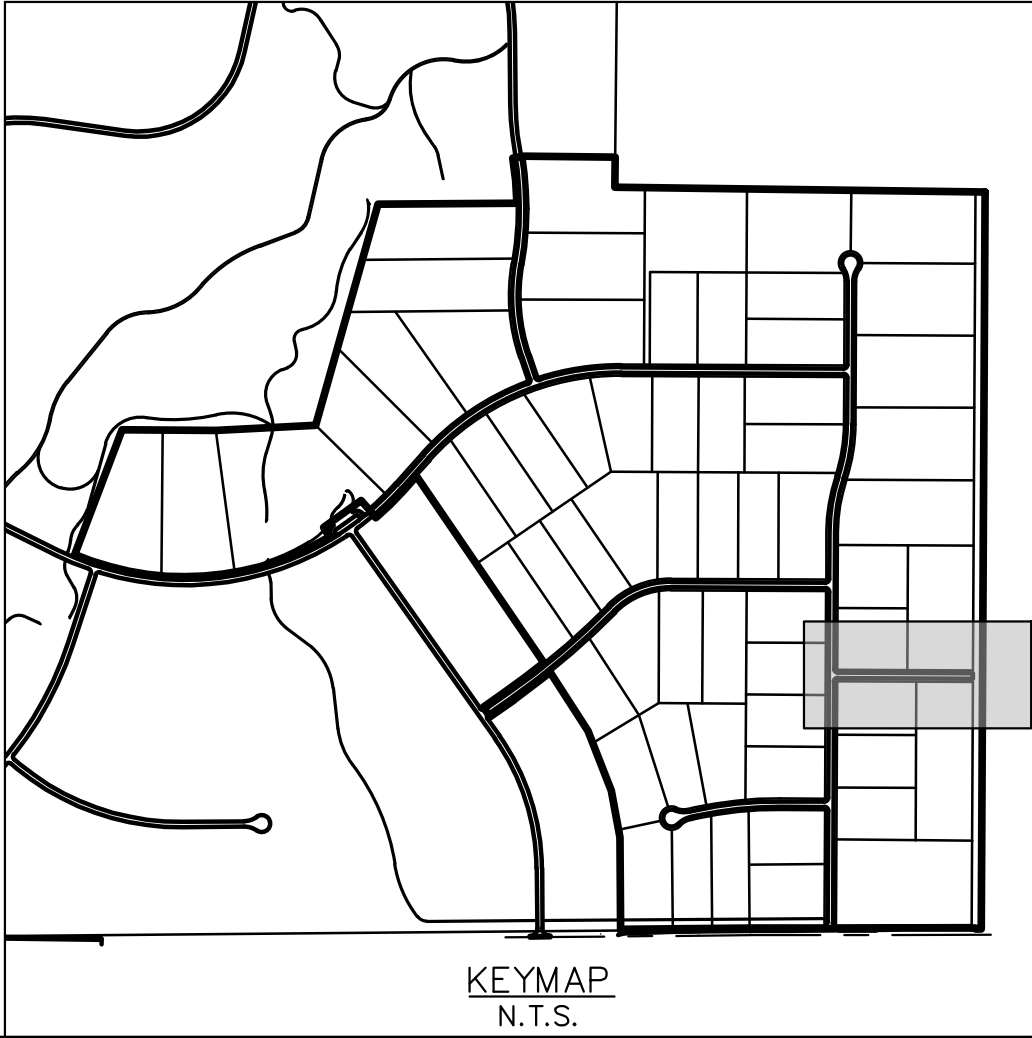
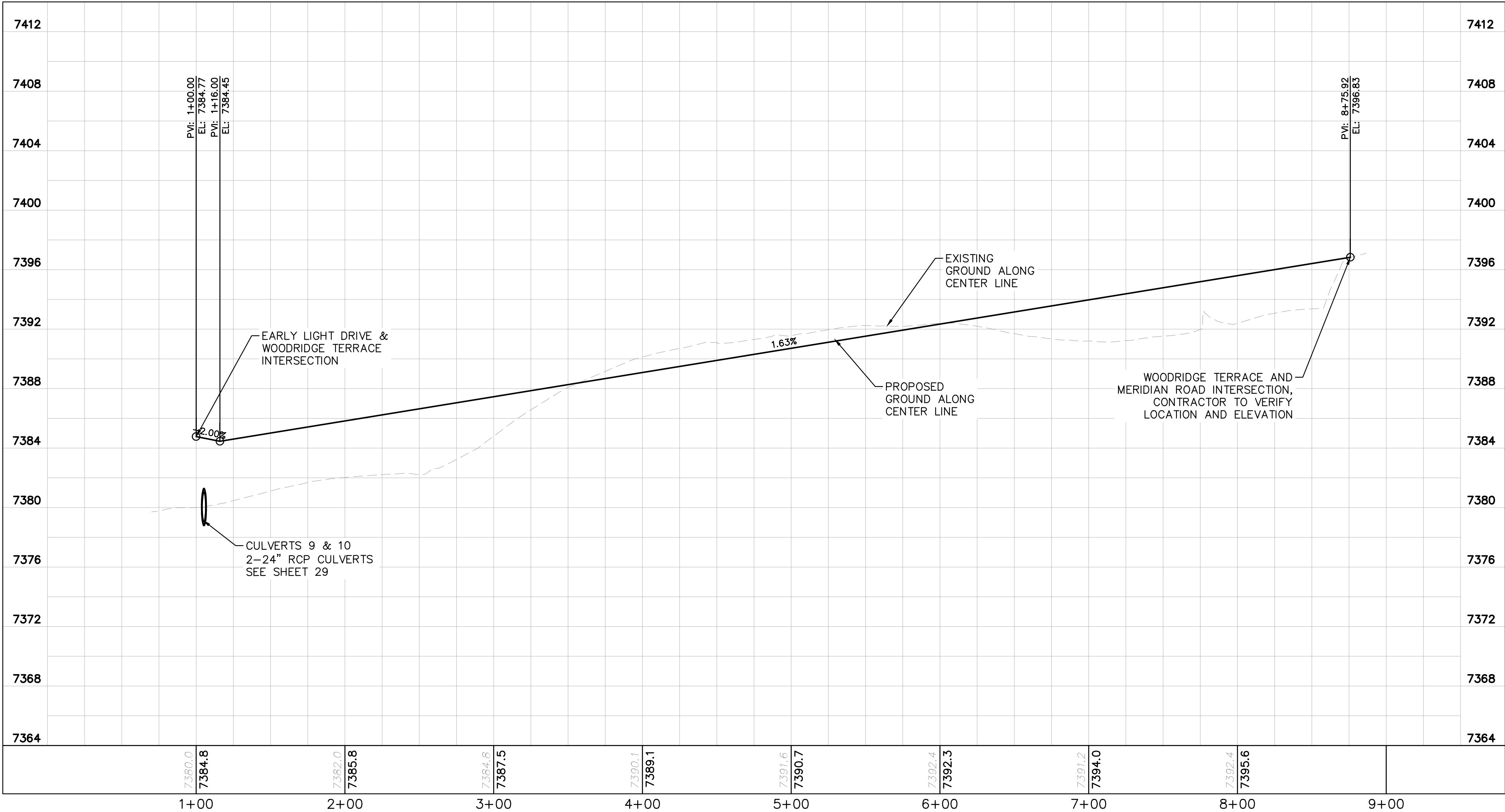
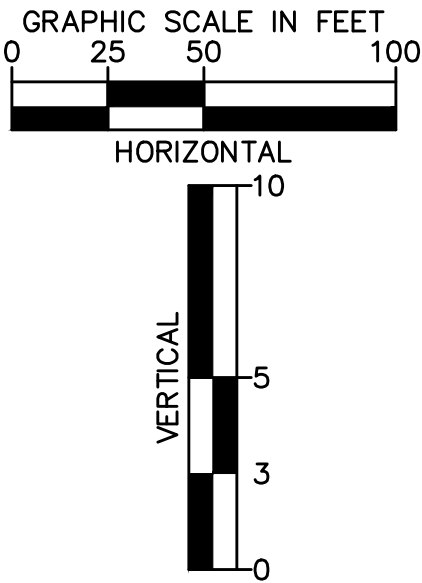
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- LEGEND
- PROPERTY LINE
 - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT LINE
 - LOT #
 - LOT NUMBER
 - PROPOSED DRAINAGE EASEMENT
 - CROSS SECTION (SEE SHEET 02)

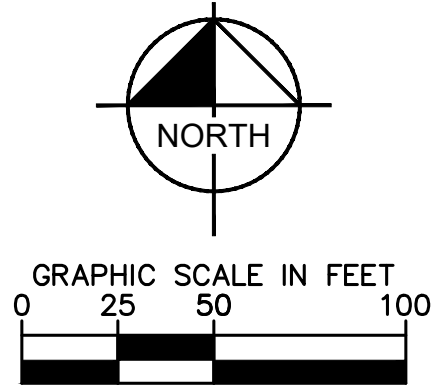
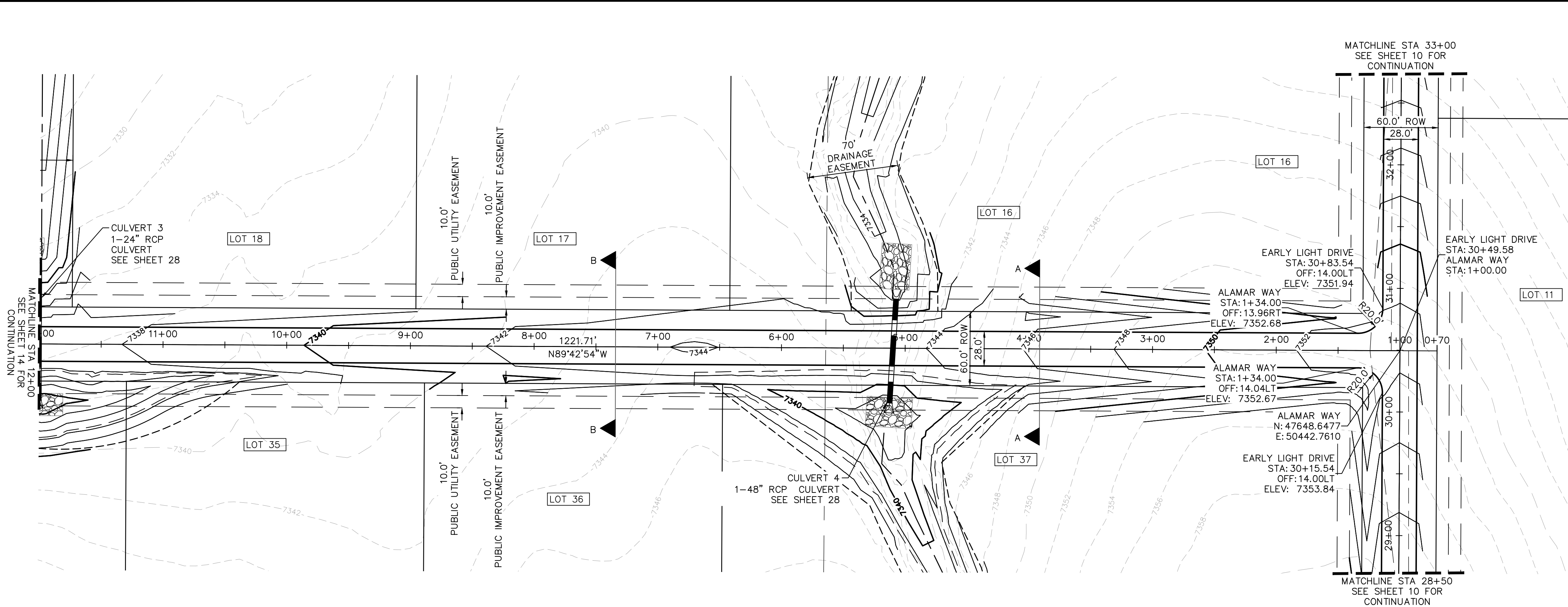
NOTES

- SEE SHEET 02 FOR TYPICAL ROADWAY SECTIONS, AND ROADSIDE DITCH CONFIGURATIONS AS LABELED IN PLAN VIEW.
- 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		LISCENSED PROFESSIONAL KEVIN KOFFORD		© 2021 KIMLEY-HORN AND ASSOCIATES, INC. 2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903 PHONE: 719-453-0180 WWW.KIMLEY-HORN.COM	
DATE 05/13/2021		SCALE AS SHOWN DESIGNED BY KHTAM		CO LICENSE NUMBER 57234	
DRAWN BY KHTAM		CHECKED BY TLC		DATE ----	
WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC		WOODRIDGE ROADWAY PLAN AND PROFILE		EL PASO COUNTY	
SHEET NUMBER 12		REVISIONS		BY	

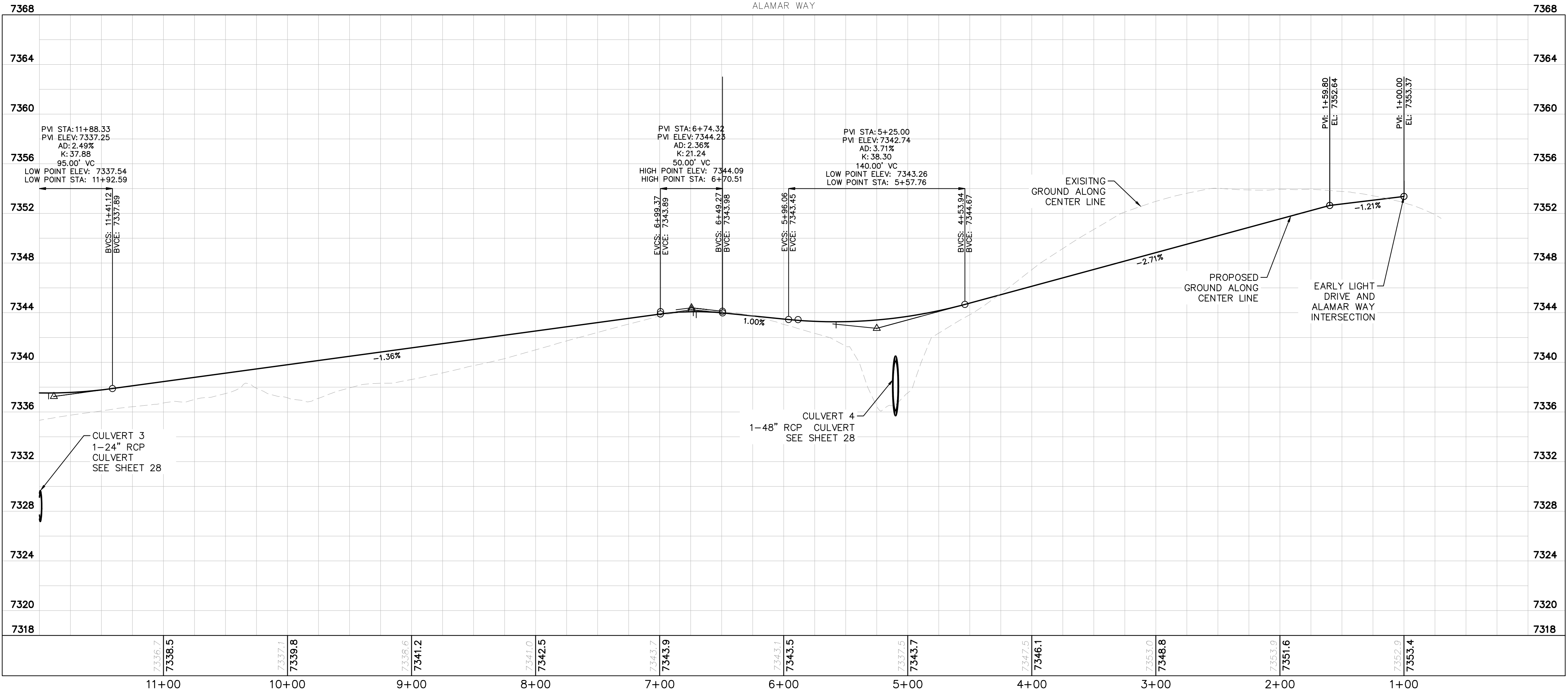
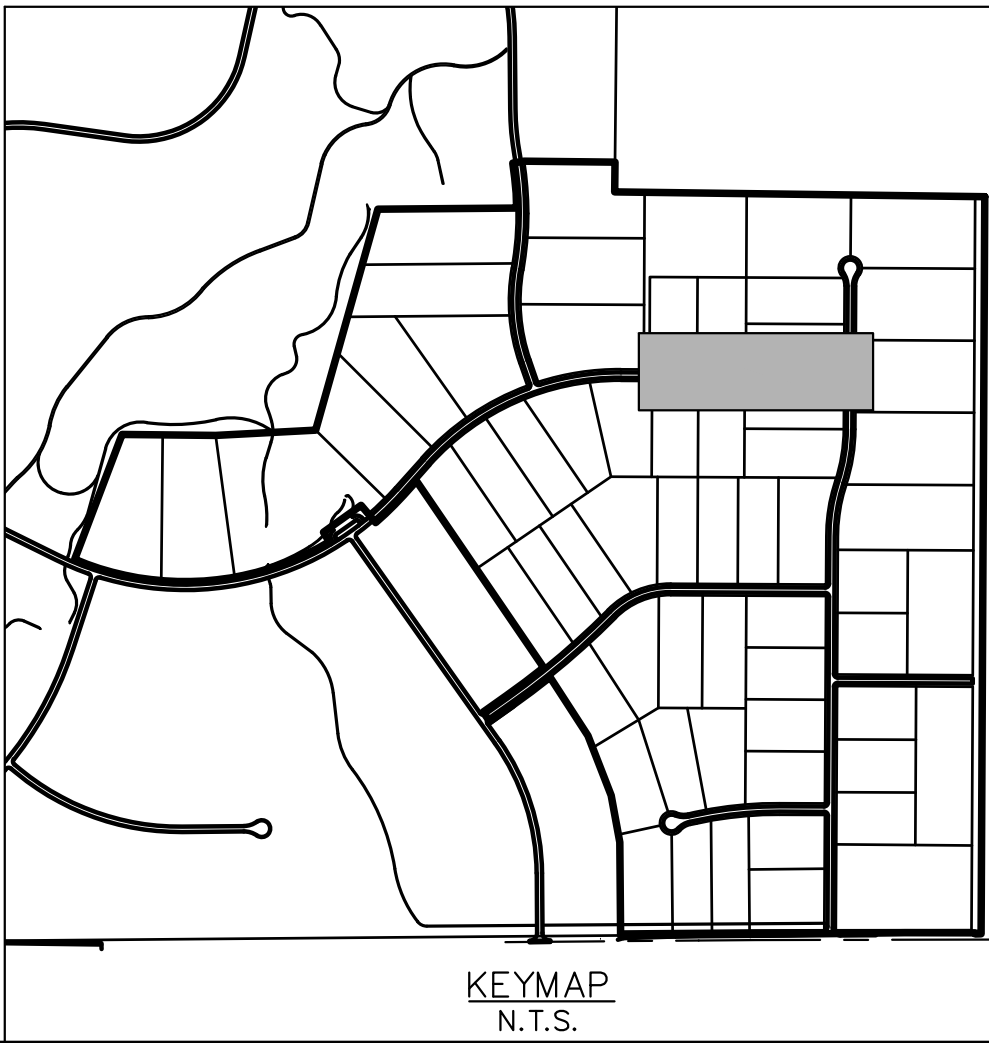
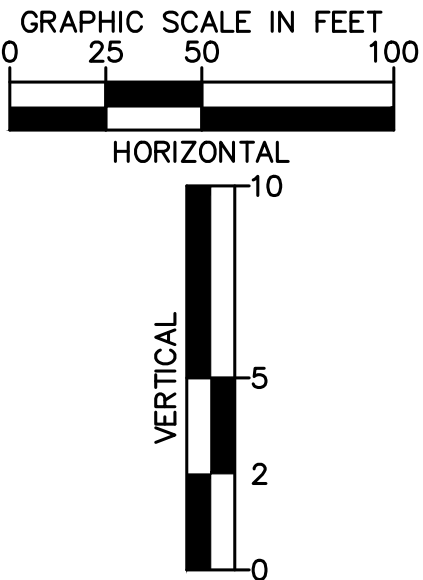
Plotted By: Kofford, Kevin Sheet Set: WINSOME P2 Layout: P&P ALAMAR WAY (1) June 07, 2021 10:37:48am K:\DEN-Civil\196106000-Winsome P2\CADD\PlanSheets\0196106000-RD P&P (2).dwg
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- LEGEND
- PROPERTY LINE
 - ROW LINE
 - UTILITY EASEMENT LINE
 - LOT LINE
 - LOT NUMBER
 - PROPOSED DRAINAGE EASEMENT
 - CROSS SECTION (SEE SHEET 02)

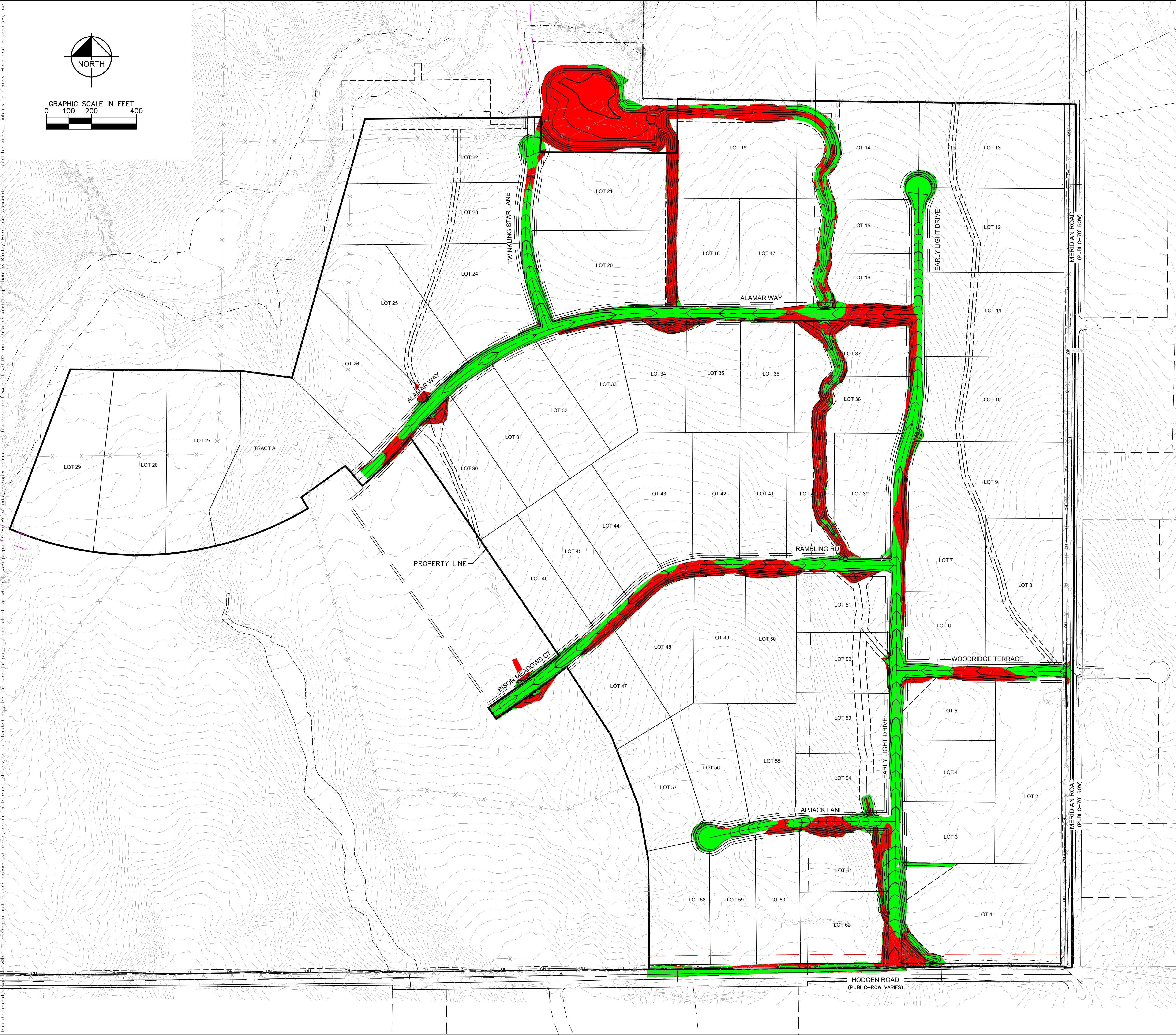
NOTES

- SEE SHEET 02 FOR TYPICAL ROADWAY SECTIONS, AND ROADSIDE DITCH CONFIGURATIONS AS LABELED IN PLAN VIEW.
- 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		EL PASO COUNTY		SHEET NUMBER 13	
ALAMAR WAY ROADWAY PLAN AND PROFILE		KIMLEY»Horn		© 2021 KIMLEY-HORN AND ASSOCIATES, INC. 2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903 PHONE: 719-453-0180 WWW.KIMLEY-HORN.COM	
KHA PROJECT 019610600		LICENSED PROFESSIONAL		No.	
DATE 05/13/2021		KEVIN KOFFORD		REVISIONS	
SCALE AS SHOWN		CO LICENSE NUMBER 57234		BY	
DESIGNED BY KHTAM		CHECKED BY		DATE	
DRAWN BY KHTAM		TLC DATE:			

Plotted By: Kofford, Kevin Sheet Set: WINSOME P2 Layout: CUT FILL MAP June 24, 2021 04:20:10pm K:\DEN_Civil\196106000_Winsome P2\CADD\PlanSheets\019610600CUT_FILL.dwg
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LEGEND



CUT AREA
FILL AREA

TOTAL CUT: 72,750 CY
TOTAL FILL: 47,030 CY
NET: 25,720 CY (FILL)*
*RAW NET VALUE- NO FILL FACTOR APPLIED

WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC	CUT FILL MAP	KHA PROJECT 019610600 DATE 05/13/2021 SCALE AS SHOWN DESIGNED BY KHTAM DRAWN BY KHTAM CHECKED BY _____ TLC DATE: _____	LICENSED PROFESSIONAL KEVIN KOFFORD CO LICENSE NUMBER 57234	Kimley»Horn © 2021 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 21	EL PASO COUNTY	CO					

Plotted By: Kofford, Kevin Sheet Set: WINSOME P2 Layout: ON-SITE INTERM-FINAL SWMP (2) June 07, 2021 11:23:28am K:\VEN-Civil\196106000_Winsome P2\CADD\PlanSheets\0196106000_EC_FINAL.dwg
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LEGEND

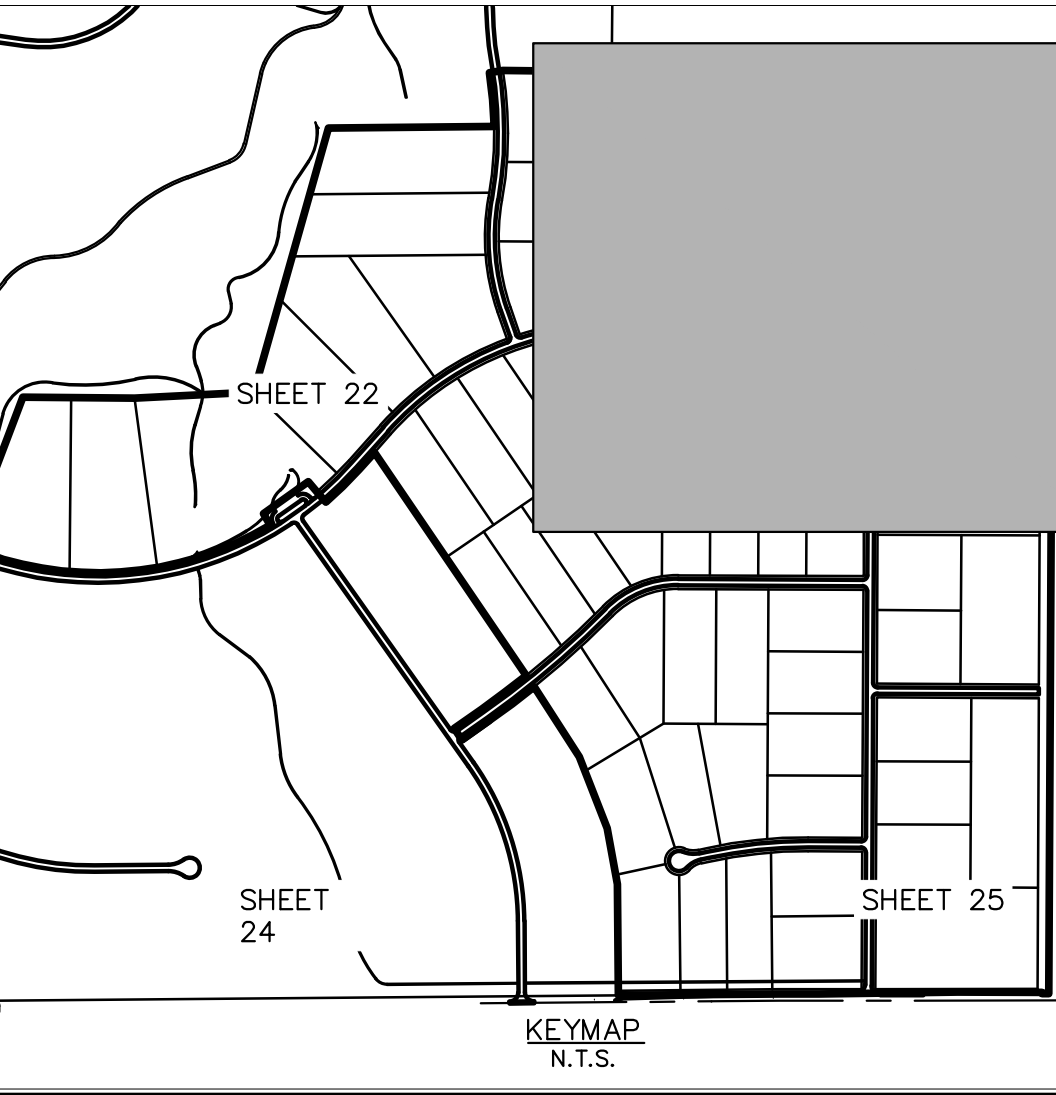
	PROPERTY LINE
	100 YEAR FLOODPLAIN
	WETLAND BOUNDARY
	LIMITS OF DISTURBANCE
	SILT FENCE
	CONSTRUCTION FENCE
	SEDIMENT CONTROL LOGS
	CHECK DAM/EROSION BALE
	CULVERT INLET/OUTLET PROTECTION
	CONCRETE WASHOUT AREA
	STABILIZED STAGING AREA
	EROSION CONTROL BLANKET
	VEHICLE TRACKING CONTROL
	SOIL STOCKPILE
	TEMPORARY SEDIMENT BASIN
	TEMP/ PERMANENT SEEDING AND MULCHING
	EXISTING FLOW ARROW
	EXISTING MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR

LIMITS OF CONSTRUCTION

ONSITE DISTURBANCE = ±27.40 ACRES
OFFSITE DISTURBANCE = ±0.55 ACRES
TOTAL = ±27.95 ACRES

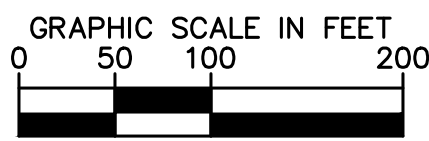
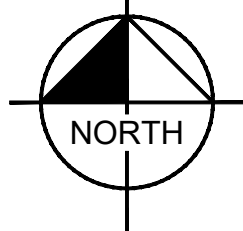
NOTES

- THE INTENT OF THIS PLAN IS TO IDENTIFY THE EROSION CONTROL PRACTICES RECOMMENDED. THE CONTRACTOR SHALL REFERENCE ADDITIONAL CONSTRUCTION PLANS FOR DEMOLITION OF EXISTING AND CONSTRUCTION OF PROPOSED IMPROVEMENTS.
- ADJACENT STREETS SHALL BE KEPT CLEAN AND FREE OF SEDIMENT AND/OR DEBRIS AT ALL TIMES.
- TEMPORARY STABILIZATION (TS) SHALL BE IMPLEMENTED WITHIN THE DISTURBED PORTIONS OF THE PROJECT SITE NO LATER THAN 14 DAYS FOLLOWING THE CEASE OF CONSTRUCTION ACTIVITIES WITHIN THE DISTURBED AREAS.
- PERMANENT STABILIZATION (PS) MAY BE USED WITHIN AREAS OF TEMPORARY STABILIZATION (TS) AT THE CONTRACTOR'S DISCRETION. STABILIZATION SHALL BE APPLIED IN ACCORDANCE WITH APPLICABLE TEMPORARY STABILIZATION SEQUENCING REQUIREMENTS.
- CONTRACTOR SHALL UTILIZE ROLLED EROSION CONTROL PRODUCTS (STRAW-SINGLE NET EROSION CONTROL BLANKETS AND OPEN WEAVE TEXTILES) ON ALL SLOPES 3H:1V OR GREATER TO ACHIEVE REQUIRED STABILIZATION.
- CONTRACTOR SHALL MAINTAIN ACCEPTABLE EROSION CONTROL PRACTICES WITHIN THE ANTICIPATED LIMITS OF CONSTRUCTION IDENTIFIED HEREIN. BEST MANAGEMENT PRACTICES AND STABILIZATION SHALL BE COMPLETED AS IDENTIFIED HEREIN IN ACCORDANCE WITH OWNER REQUIREMENTS.
- ALL WORK IN THE HODGEN ROAD AND MERIDIAN ROAD ROW REQUIRES A ROW PERMIT FROM EL PASO COUNTY. CONTRACTOR IS RESPONSIBLE FOR APPLYING FOR AND OBTAINING ALL NECESSARY ROW PERMITS.
- SILT FENCE TO BE INSTALLED PRIOR TO COMMENCEMENT OF ONSITE GRADING AND CONSTRUCTION ACTIVITIES.
- DEMOLITION, REMOVAL, OVEREXCAVATION AND SOIL TREATMENT SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER RECOMMENDATIONS AS NOTED IN THE APPROVED PROJECT GEOTECHNICAL REPORT.
- VEGETATION COVER IS ABOUT 90% CONSISTING OF NATIVE GRASSES, TREES AND SHRUBS, BASED ON VISUAL INSPECTION
- NO ASPHALT OR CONCRETE BATCH PLANTS SHALL BE USED FOR THIS PROJECT.



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LISCENSED PROFESSIONAL		KHA PROJECT 0196106000 DATE 05/13/2021 SCALE AS SHOWN DESIGNED BY KHTAM DRAWN BY KHTAM CHECKED BY TLC DATE: _____	
KIMLEY-HORN AND ASSOCIATES, INC.		KEVIN KOFFORD CO LICENSE NUMBER 57234	
FINAL GEC PLAN		CO	
WINSOME FILING NO. 2		EL PASO COUNTY	
PREPARED FOR WINSOME LLC		SHEET NUMBER 23	

Plotted By: Kforford, Kevin Sheet Set: WINSOME P2 Layout: ON-SITE INTERM-FINAL SWMP (3) June 07, 2021 11:16:06am K:\VEN_Civil\196106000_Winsome P2\CADD\PlanSheets\019610600CD_EC_FINAL.dwg This document, including all drawings, is the property of Kimley-Horn and Associates, Inc. and is loaned to the client for the specific purpose and project 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.



MATCHLINE SEE SHEET 22 FOR CONTINUATION

FILING NO. 2
BOUNDARY

APPROXIMATE LIMITS OF
WETLAND AREA

WINSOME FILING NO.1
(NOT A PART OF THIS PROJECT)

FILING NO. 2
BOUNDARY

CULVERT 6 & 7
2-36" RCP CULVERT
SEE SHEET 28

100' PUBLIC
IMPROVEMENT EASEMENT

TYPE III BARRICADES
(NO CONSTRUCTION
ACCESS)

30.0' DRAINAGE
EASEMENT
FINAL
IP
800' ROW
100' PUBLIC UTILITY
EASEMENT

LOT 46

DRAINAGE
PIPE

DRAINAGE
PIPE

LEGEND

- | | |
|--|--------------------------------------|
| | PROPERTY LINE |
| | 100 YEAR FLOODPLAIN |
| | WETLAND BOUNDARY |
| | LIMITS OF DISTURBANCE |
| | SILT FENCE |
| | CONSTRUCTION FENCE |
| | SEDIMENT CONTROL LOGS |
| | CHECK DAM/EROSION BALE |
| | CULVERT INLET/OUTLET PROTECTION |
| | CONCRETE WASHOUT AREA |
| | STABILIZED STAGING AREA |
| | EROSION CONTROL BLANKET |
| | VEHICLE TRACKING CONTROL |
| | SOIL STOCKPILE |
| | TEMPORARY SEDIMENT BASIN |
| | TEMP/ PERMANENT SEEDING AND MULCHING |
| | EXISTING FLOW ARROW |
| | EXISTING MINOR CONTOUR |
| | EXISTING MAJOR CONTOUR |
| | PROPOSED MAJOR CONTOUR |
| | PROPOSED MINOR CONTOUR |

LIMITS OF CONSTRUCTION

ONSITE DISTURBANCE	= ±27.40 ACRES
OFFSITE DISTURBANCE	= ±0.55 ACRES
TOTAL	= ±27.95 ACRES

NOTES

- THE INTENT OF THIS PLAN IS TO IDENTIFY THE EROSION CONTROL PRACTICES RECOMMENDED. THE CONTRACTOR SHALL REFERENCE ADDITIONAL CONSTRUCTION PLANS FOR DEMOLITION OF EXISTING AND CONSTRUCTION OF PROPOSED IMPROVEMENTS.
- ADJACENT STREETS SHALL BE KEPT CLEAN AND FREE OF SEDIMENT AND/OR DEBRIS AT ALL TIMES.
- TEMPORARY STABILIZATION (TS) SHALL BE IMPLEMENTED WITHIN THE DISTURBED PORTIONS OF THE PROJECT SITE NO LATER THAN 14 DAYS FOLLOWING THE CEASE OF CONSTRUCTION ACTIVITIES WITHIN THE DISTURBED AREAS.
- PERMANENT STABILIZATION (PS) MAY BE USED WITHIN AREAS OF TEMPORARY STABILIZATION (TS) AT THE CONTRACTOR'S DISCRETION. STABILIZATION SHALL BE APPLIED IN ACCORDANCE WITH APPLICABLE TEMPORARY STABILIZATION SEQUENCING REQUIREMENTS.
- CONTRACTOR SHALL UTILIZE ROLLED EROSION CONTROL PRODUCTS (STRAW-SINGLE NET EROSION CONTROL BLANKETS AND OPEN WEAVE TEXTILES) ON ALL SLOPES 3H:1V OR GREATER TO ACHIEVE REQUIRED STABILIZATION.
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- SILT FENCE TO BE INSTALLED PRIOR TO COMMENCEMENT OF ONSITE GRADING AND CONSTRUCTION ACTIVITIES.
- DEMOLITION, REMOVAL, OVEREXCAVATION AND SOIL TREATMENT SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER RECOMMENDATIONS AS NOTED IN THE APPROVED PROJECT GEOTECHNICAL REPORT.
- VEGETATION COVER IS ABOUT 90% CONSISTING OF NATIVE GRASSES, TREES AND SHRUBS, BASED ON VISUAL INSPECTION
- NO ASPHALT OR CONCRETE BATCH PLANTS SHALL BE USED FOR THIS PROJECT.



KHA PROJECT 019610600		LICENSURE PROFESSIONAL KEVIN KOFFORD		© 2021 KIMLEY-HORN AND ASSOCIATES, INC. 2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903 PHONE: 719-453-0180 WWW.KIMLEY-HORN.COM	
DATE 05/13/2021		SCALE AS SHOWN		CO LICENSE NUMBER 57234	
DRAWN BY KHTAM		CHECKED BY TLC		DATE	
WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC		EL PASO COUNTY		REVISIONS	
SHEET NUMBER 24		CO		BY	

Plotted By: Koford, Kevin Sheet Set: WINSOME P2 Layout: ON-SITE INTERM-FINAL SWMP (4) June 24, 2021 04:21:41pm K:\DEN_GVN\196106000_Winsome P2\CADD\PlanSheets\0196106000_EC_FINAL.dwg
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LEGEND

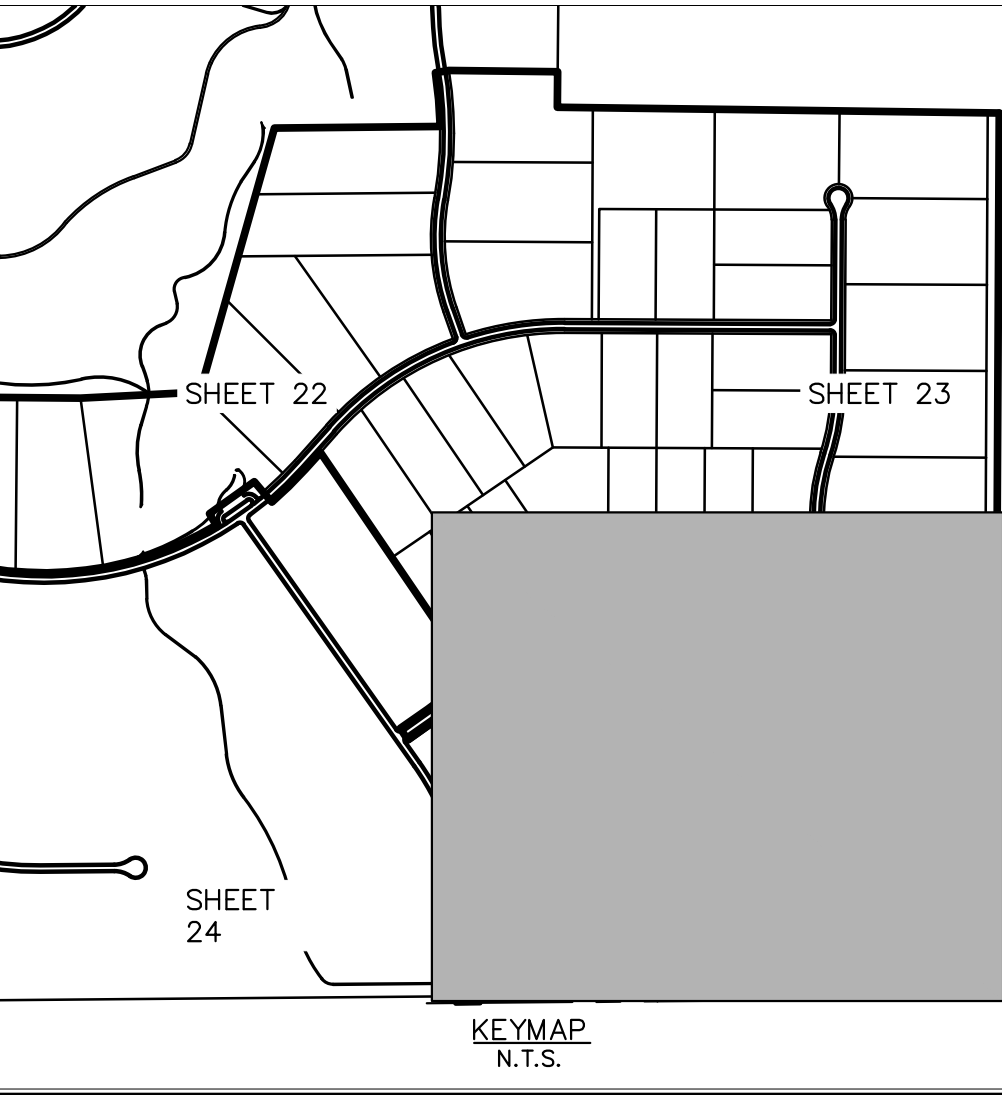
	PROPERTY LINE
	100 YEAR FLOODPLAIN
	WETLAND BOUNDARY
	LIMITS OF DISTURBANCE
	SILT FENCE
	CONSTRUCTION FENCE
	SEDIMENT CONTROL LOGS
	CHECK DAM/EROSION BALE
	CULVERT INLET/OUTLET PROTECTION
	CONCRETE WASHOUT AREA
	STABILIZED STAGING AREA
	EROSION CONTROL BLANKET
	VEHICLE TRACKING CONTROL
	SOIL STOCKPILE
	TEMPORARY SEDIMENT BASIN
	TEMP/ PERMANENT SEEDING AND MULCHING

LIMITS OF CONSTRUCTION

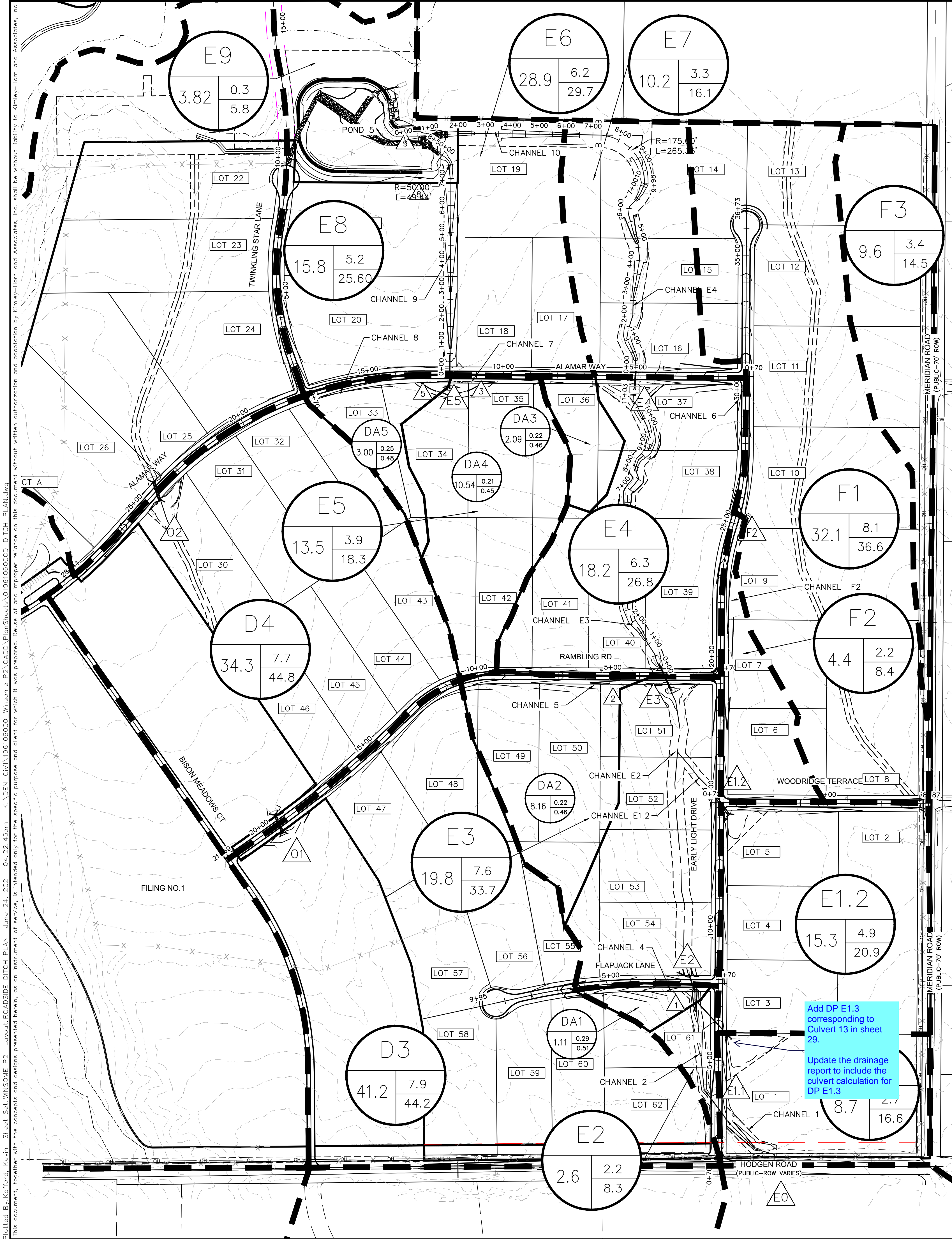
ONSITE DISTURBANCE	= ±27.40 ACRES
OFFSITE DISTURBANCE	= ±0.55 ACRES
TOTAL	= ±27.95 ACRES

NOTES

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- TEMPORARY STABILIZATION (TS) SHALL BE IMPLEMENTED WITHIN THE DISTURBED PORTIONS OF THE PROJECT SITE NO LATER THAN 14 DAYS FOLLOWING THE CEASE OF CONSTRUCTION ACTIVITIES WITHIN THE DISTURBED AREAS.
- PERMANENT STABILIZATION (PS) MAY BE USED WITHIN AREAS OF TEMPORARY STABILIZATION (TS) AT THE CONTRACTOR'S DISCRETION. STABILIZATION SHALL BE APPLIED IN ACCORDANCE WITH APPLICABLE TEMPORARY STABILIZATION SEQUENCING REQUIREMENTS.
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LISCENSED PROFESSIONAL		KIMLEY-HORN AND ASSOCIATES, INC. KIMLEY-HORN AND ASSOCIATES, INC. KIMLEY-HORN AND ASSOCIATES, INC. KIMLEY-HORN AND ASSOCIATES, INC.	
KHA PROJECT 019610600	DATE 05/13/2021	SCALE AS SHOWN	DESIGNED BY KHTAM
DRAWN BY KHTAM		CHECKED BY TLC	DATE -----
WINSOME FILING NO. 2		CO	
PREPARED FOR WINSOME LLC		EL PASO COUNTY	
SHEET NUMBER 25		REVISIONS No. _____	



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

GRAPHIC SCALE IN FEET

0 100 200 400

CHANNEL DETAILS TABLE														
CHANNEL ID	START STATION	END STATION	LENGTH	GRADE	WATERSHED	FRACTION OF	BASIN	BASIN	DITCH RECEIVING	DITCH 100 YR	ROAD WATERSHED	CONNECTING	TOTAL 100YR Q IN	AVERAGE
	FT	FT	FT	FT/FT	FROM ROAD	BASIN FLOW	DESIGNATOR	100YR Q	FRACTION OF Q	FROM BASIN	100Y Q	DITCH 100Y Q	DITCH SECTION	VELOCITY
								CFS	%	CFS	CFS	CFS	CFS	CFS
Early Light Drive														
F2	17+00	25+50	850	0.01	-	-	F2	8.4	100	8.4	-	0	8.40	2.24
2	3+00	7+50	450	0.025	-	-	E2	8.3	100	8.3	-	24.6	25.00	3.95
Flapjack Lane														
4	2+00	6+50	450	0.055	-	-	DA1	3.82	100	3.82	-	0	3.82	3.49
Rambling Road														
5	3+50	10+60	710	0.022	-	-	DA2	16.11	100	16.11	-	0	16.11	3.55
Alamar Way														
6	1+25	4+00	275	0.03	-	-	F2	8.3	100	8.3	-	0	8.30	3.38
7	6+50	11+90	540	0.022	-	-	DA3, DA4	25.19	100	25.19	-	0	25.19	3.97
8	11+90	17+50	560	0.012	-	-	DA5	7.00	100	7.00	-	0	7.00	2.3

DRIVEWAY CULVERTS				
GENERIC DRIVEWAY CULVERT SIZING TABLE				
Lot	Street Name	Culvert Slope (%)	Total Q100 (cfs)	Required Culvert Size (in)
5	Woodbridge Terrace	2	3.57	18
6	Early Light Drive	2	8.40	18
7	Early Light Drive	2	8.40	18
8	Early Light Drive	2	8.40	18
33	Alamar Way	2	7.00	18
34	Alamar Way	2	7.00	18
35	Alamar Way	2	25.10	30
36	Alamar Way	2	4.90	18
37	Alamar Way	2	8.60	18
38	Early Light Drive	2	8.60	18
49	Rambling Road	2	8.06	18
50	Rambling Road	2	16.11	24
51	Early Light Drive	2	38.25	36
61	Flapjack Lane	2	3.82	18
62	Early Light Drive	2	25.00	30

*Culvert sizing is based on flows in roadside ditch. If driveways cross natural channels an engineering site plan would be required.

Add DP E1.3 corresponding to Culvert 13 in sheet 29.

Update the drainage report to include the culvert calculation for DP E1.3

Plotted By: Kofford, Kevin Sheet: WINSOME F2 Layout: ROADSIDE DITCH PLAN June 24, 2021 04:22:45pm K:\DEN-Civil\196106000-Winsome F2\CADD\PlanSheets\0196106000-DITCH-PLAN.dwg
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PREPARED FOR
WINSOME LLC

EL PASO COUNTY

ROADSIDE DITCH
PLAN

CO

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LICENSED PROFESSIONAL
KEVIN KOFFORD
CO LICENSE NUMBER
57234

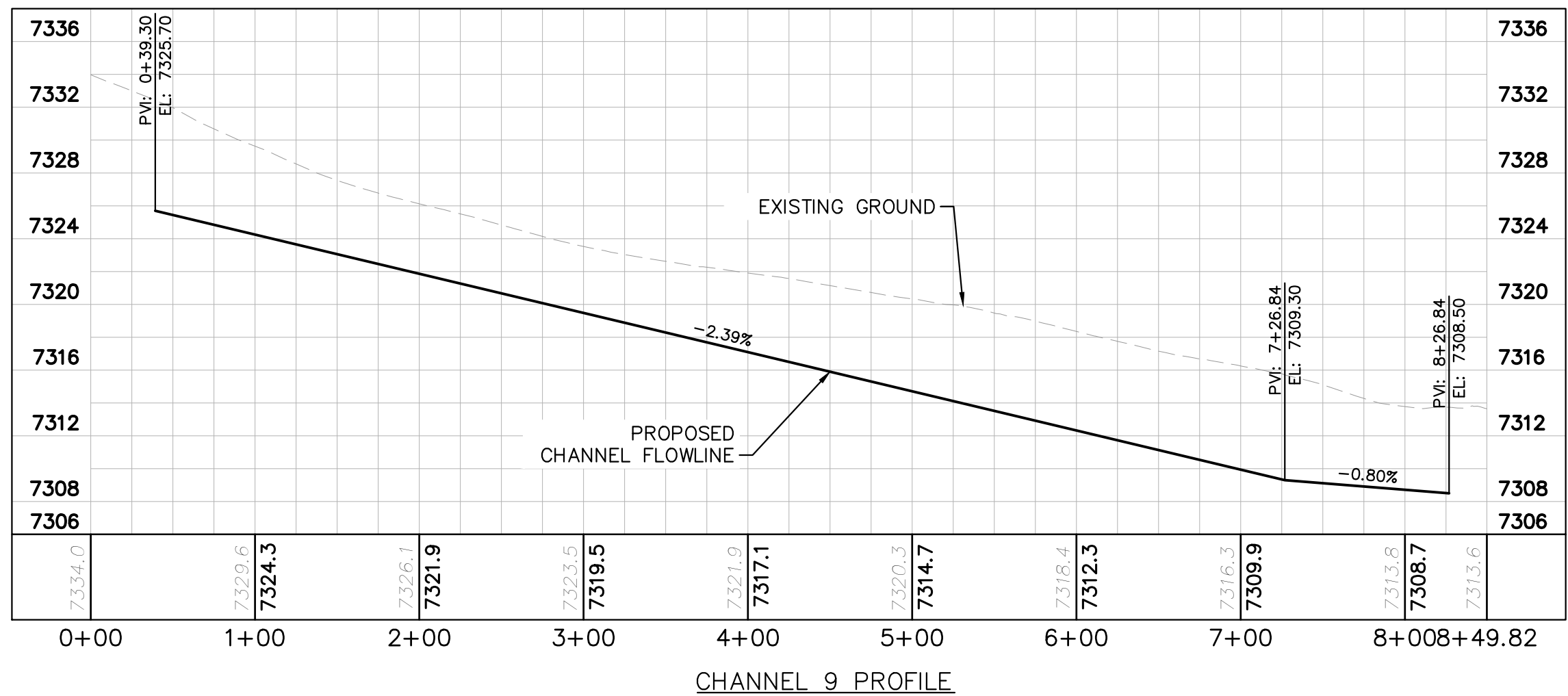
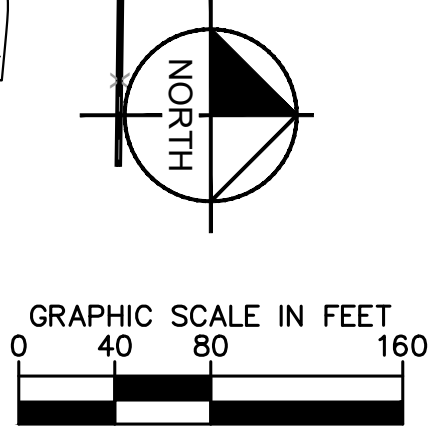
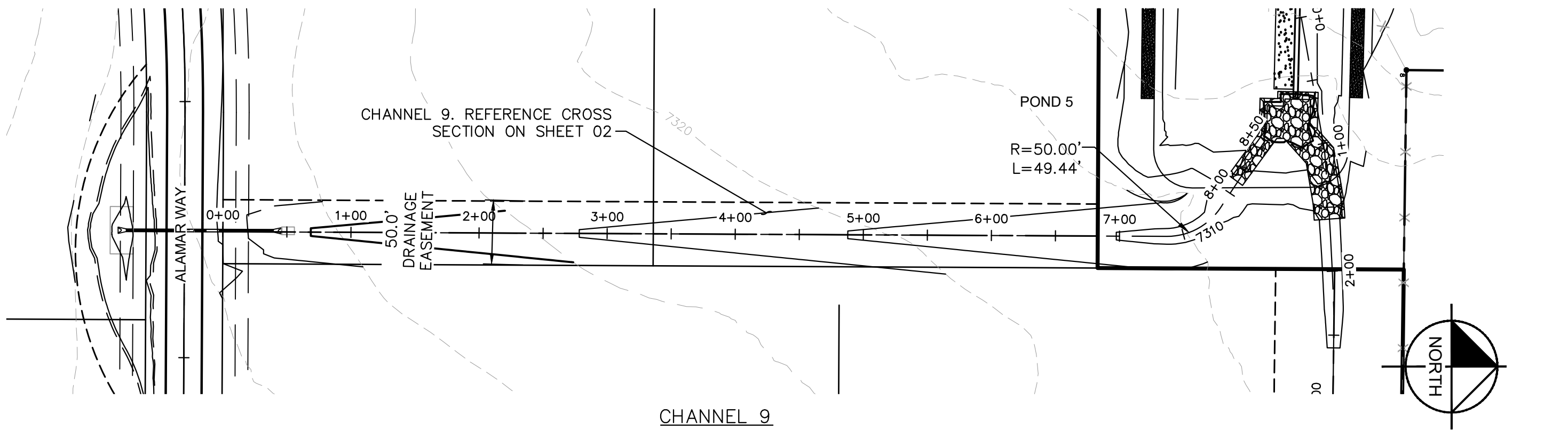
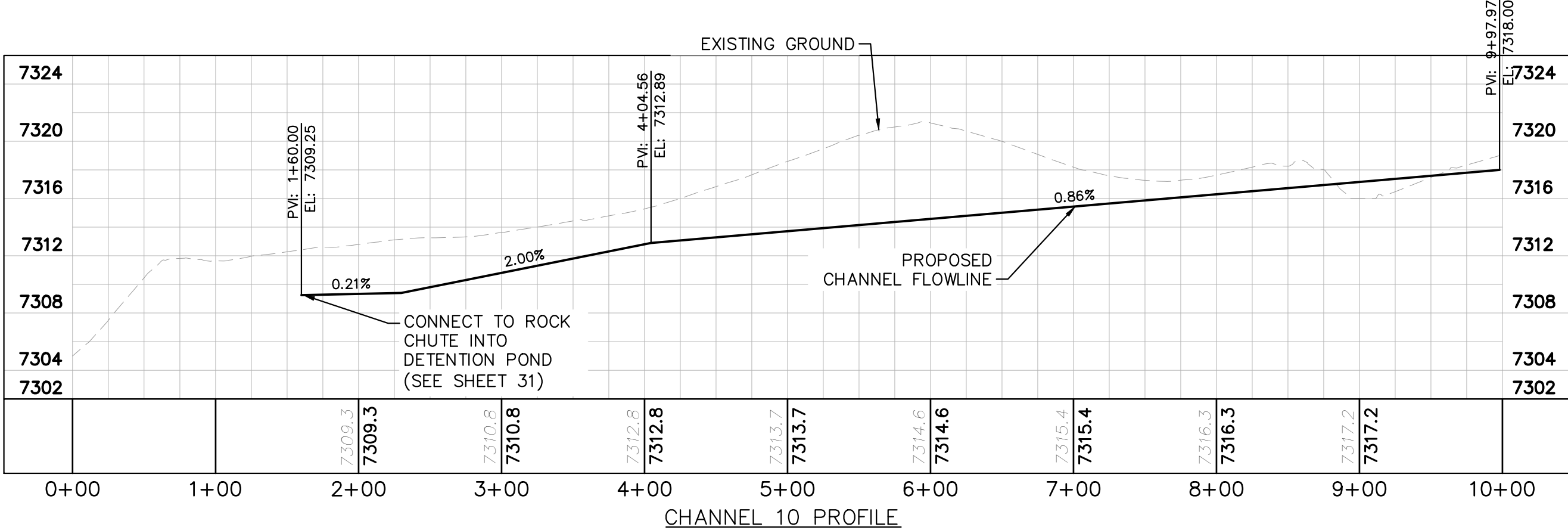
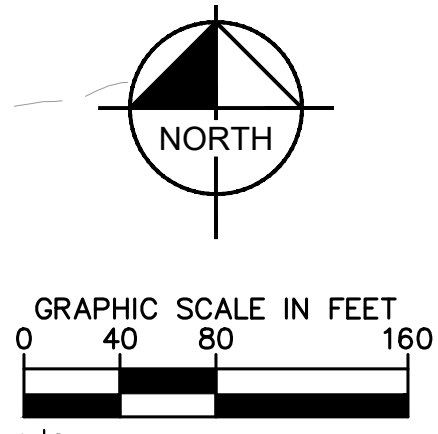
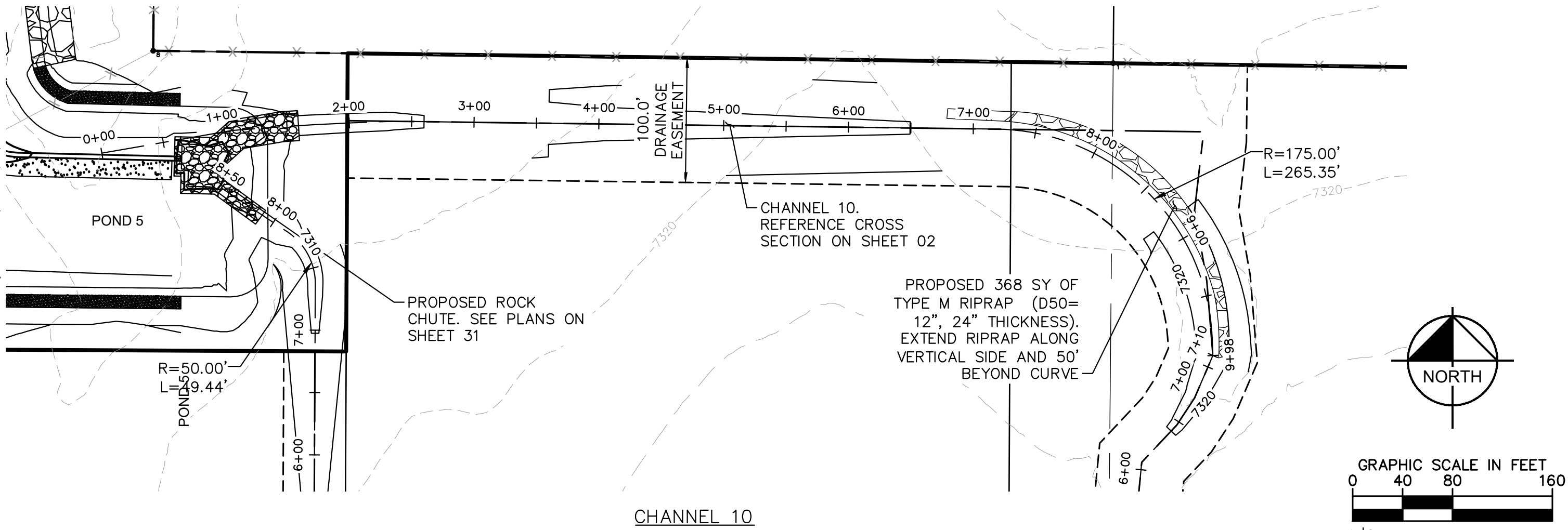
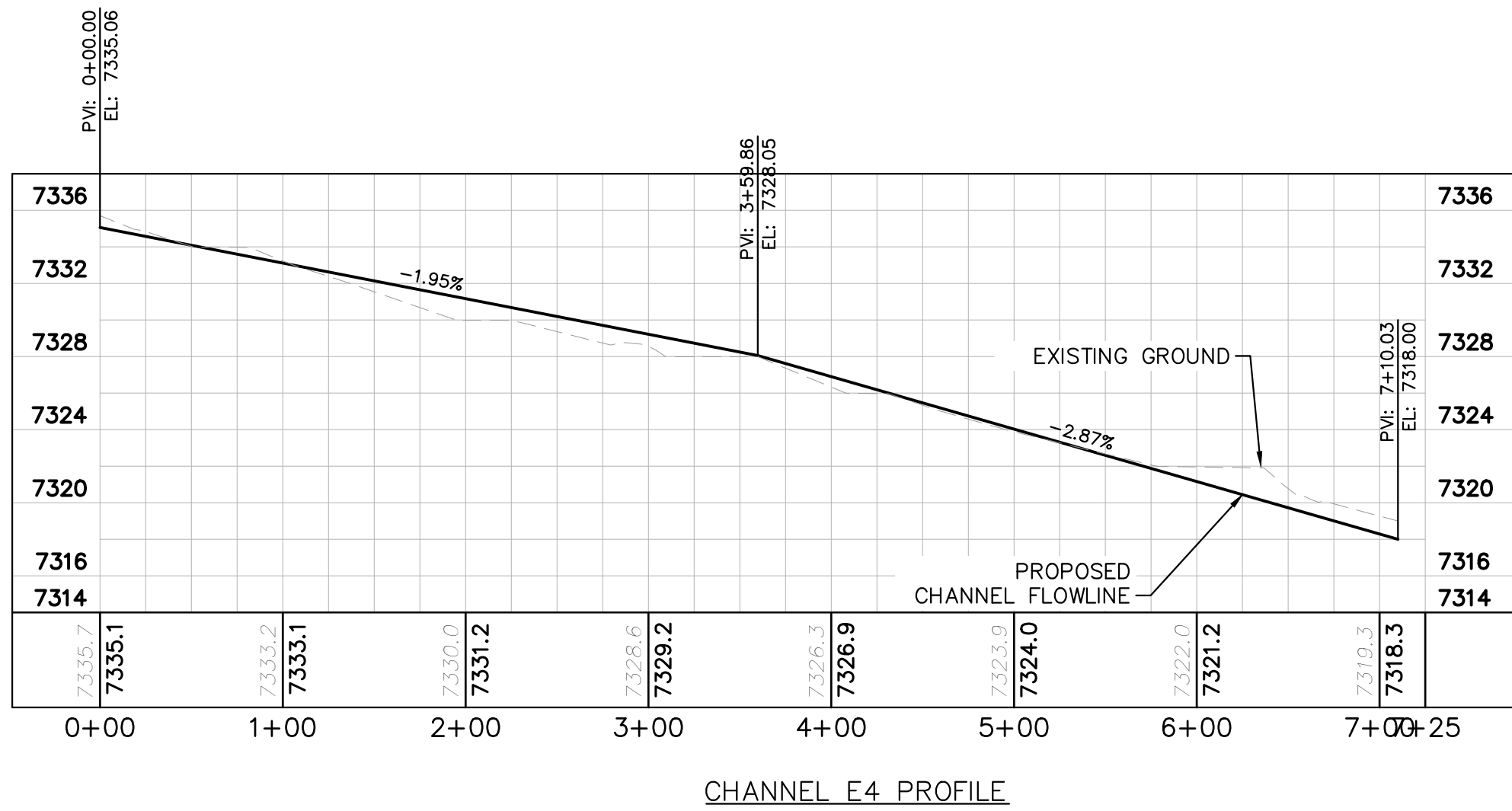
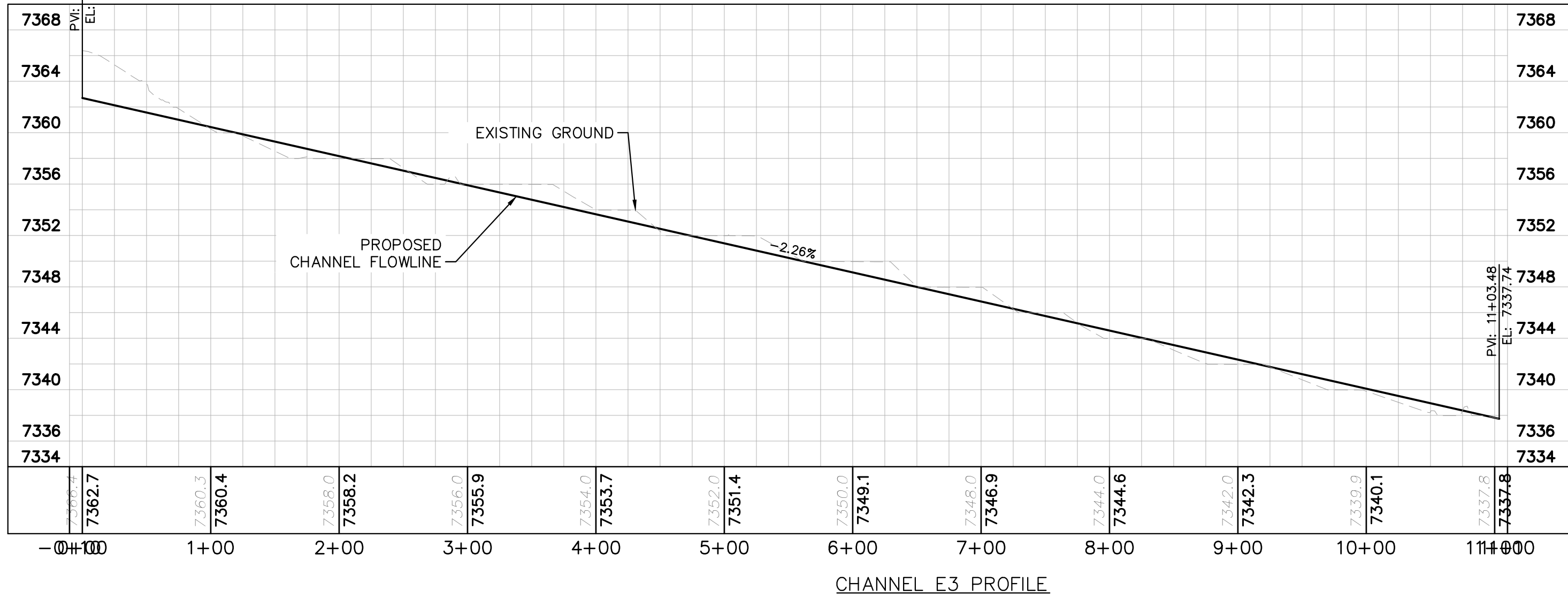
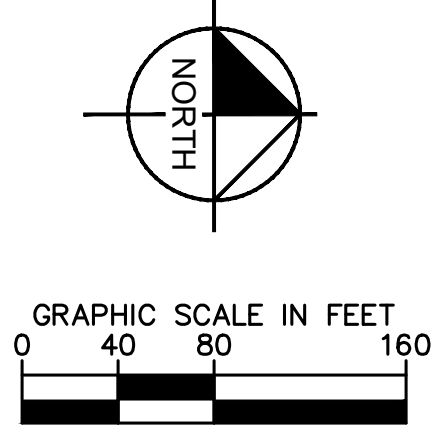
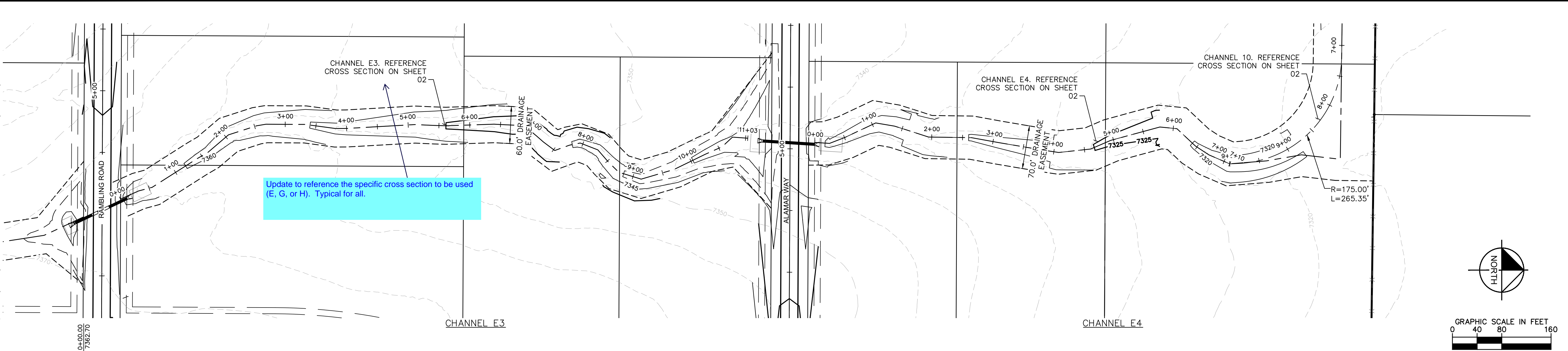
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BY
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SHEET NUMBER
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EL PASO COUNTY

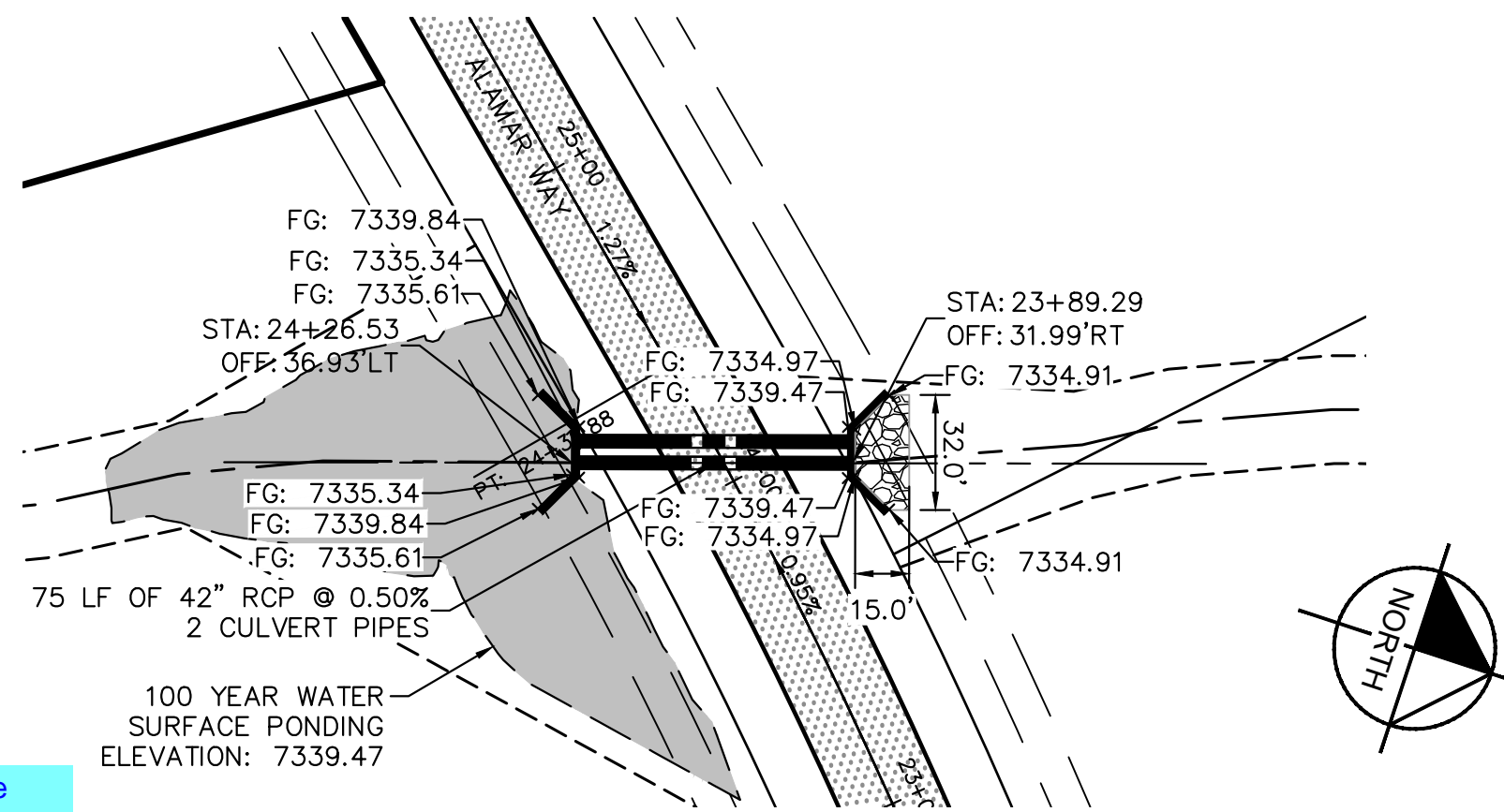
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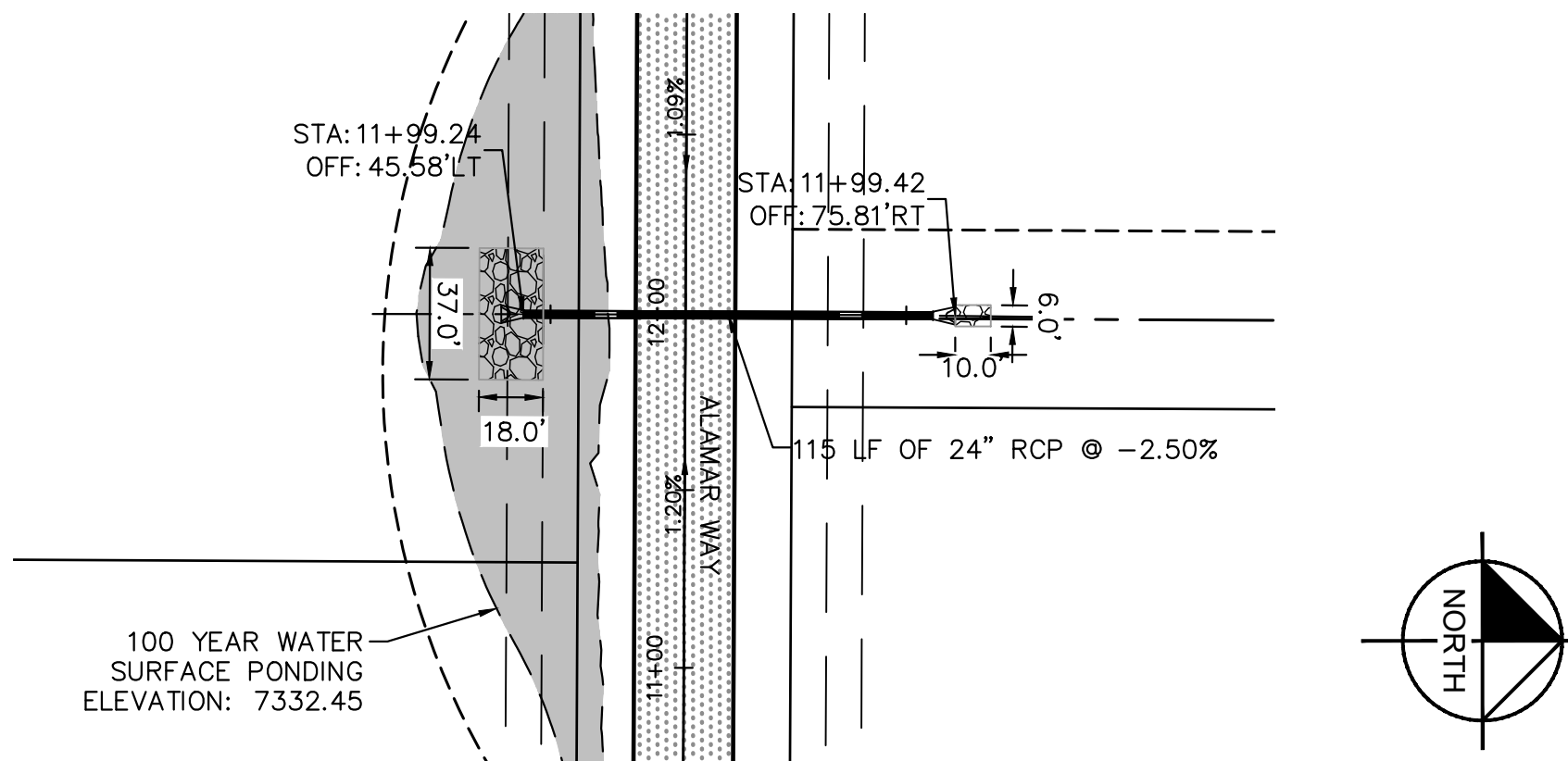
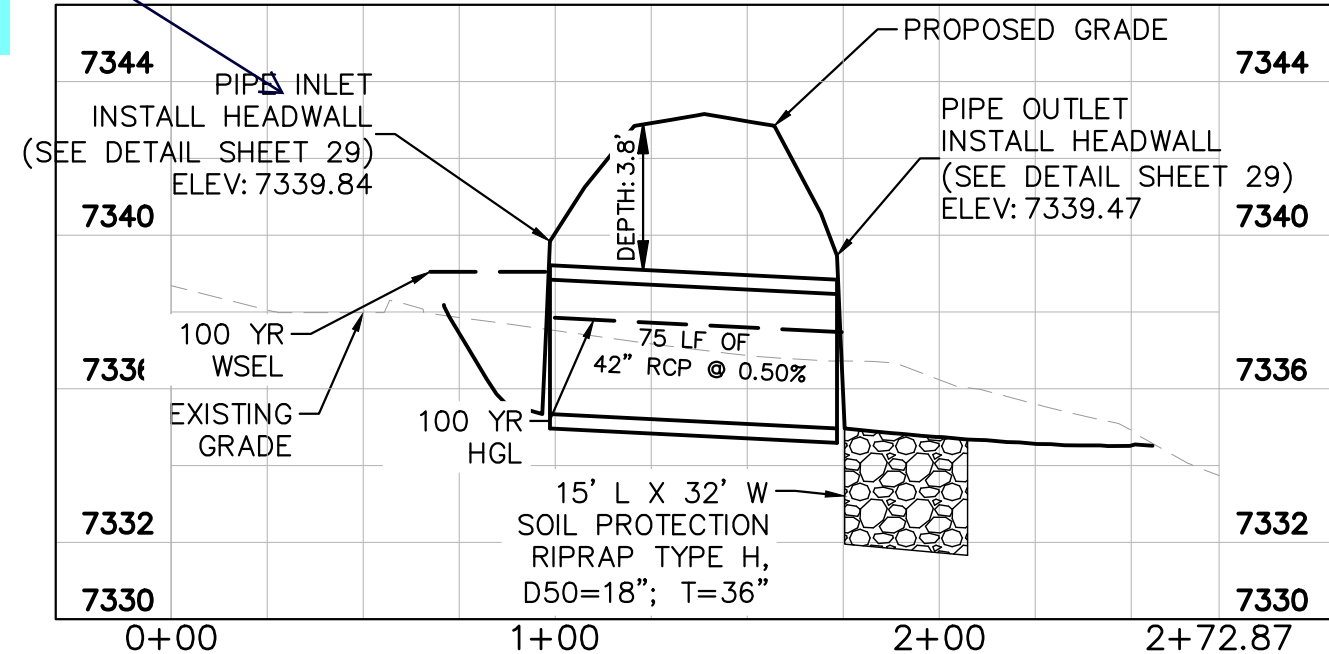
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DATE 05/13/2021	SCALE AS SHOWN	CO LICENSE NUMBER 57234	
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SHEET NUMBER 27		CHANNEL PROFILES	

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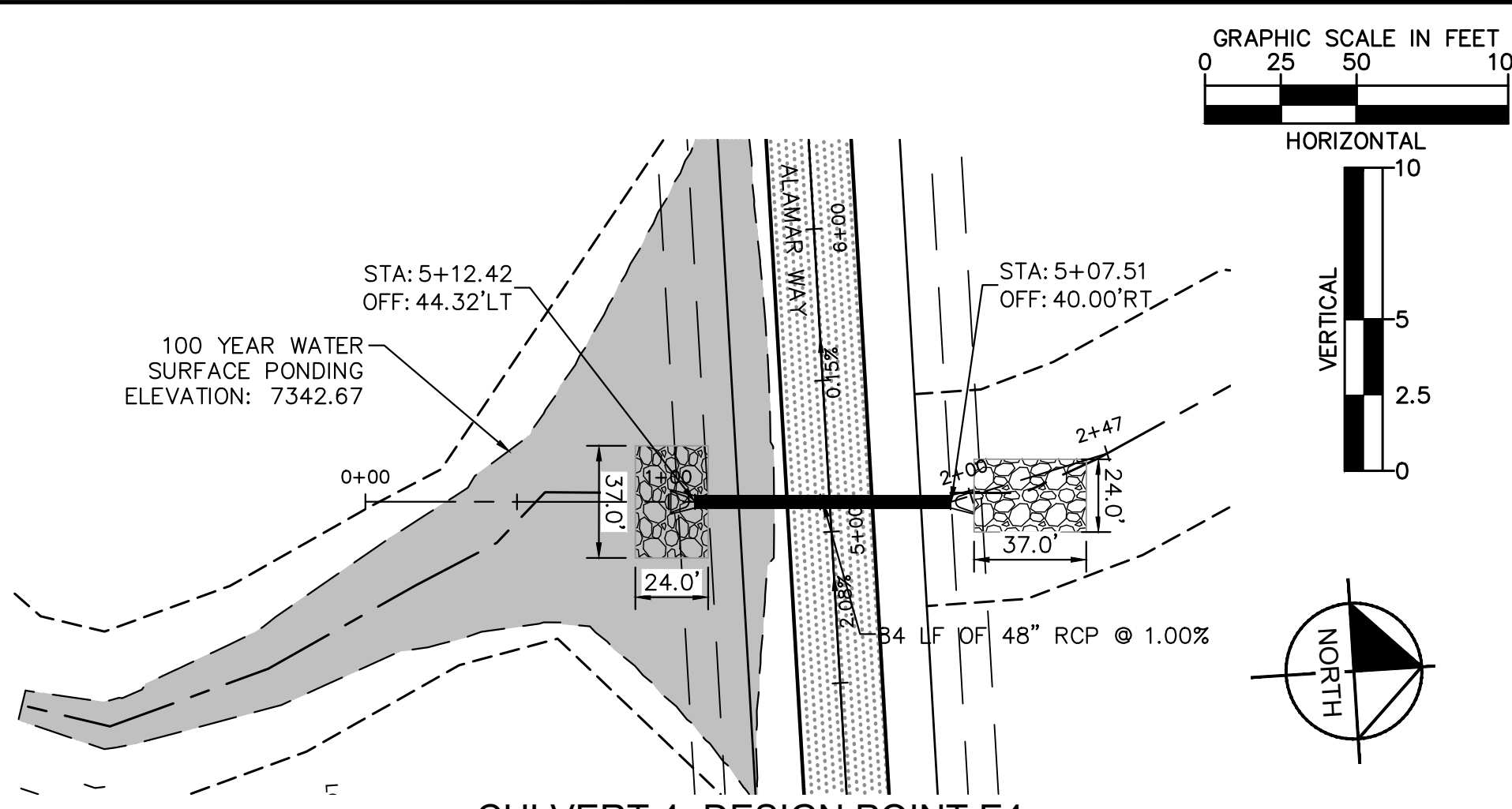
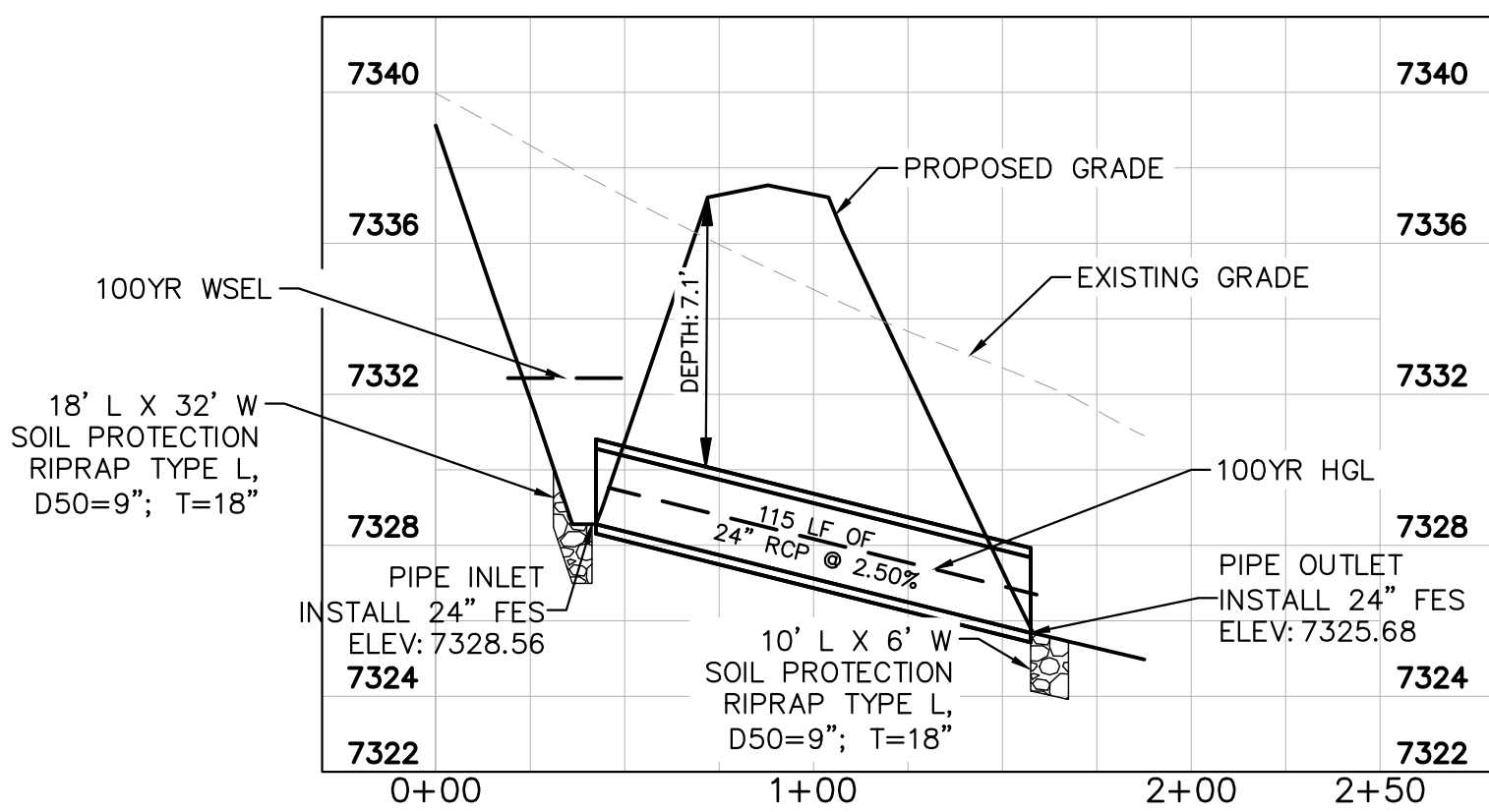
For clarity, update callout to "Install headwall and wingwall" for all applicable culverts.



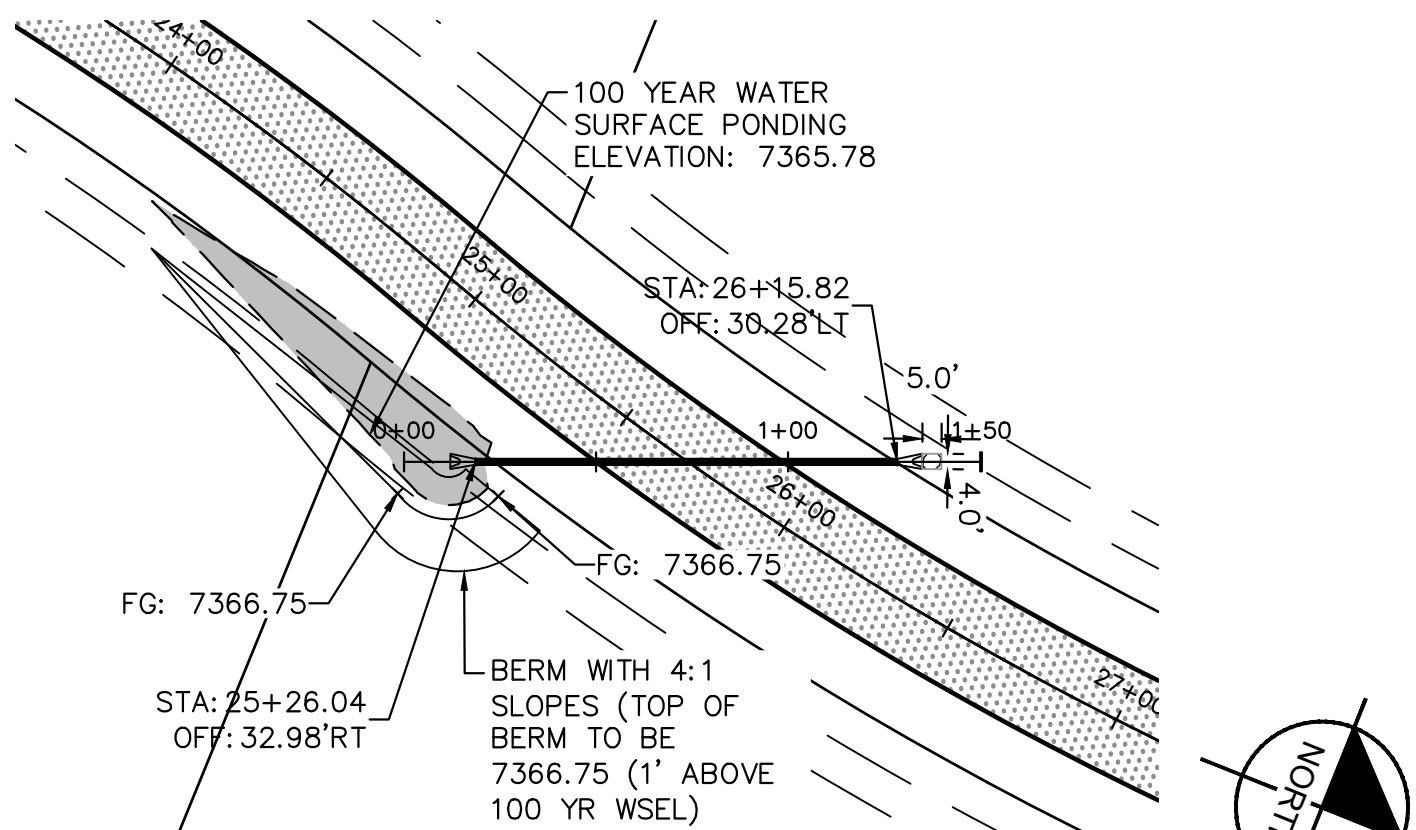
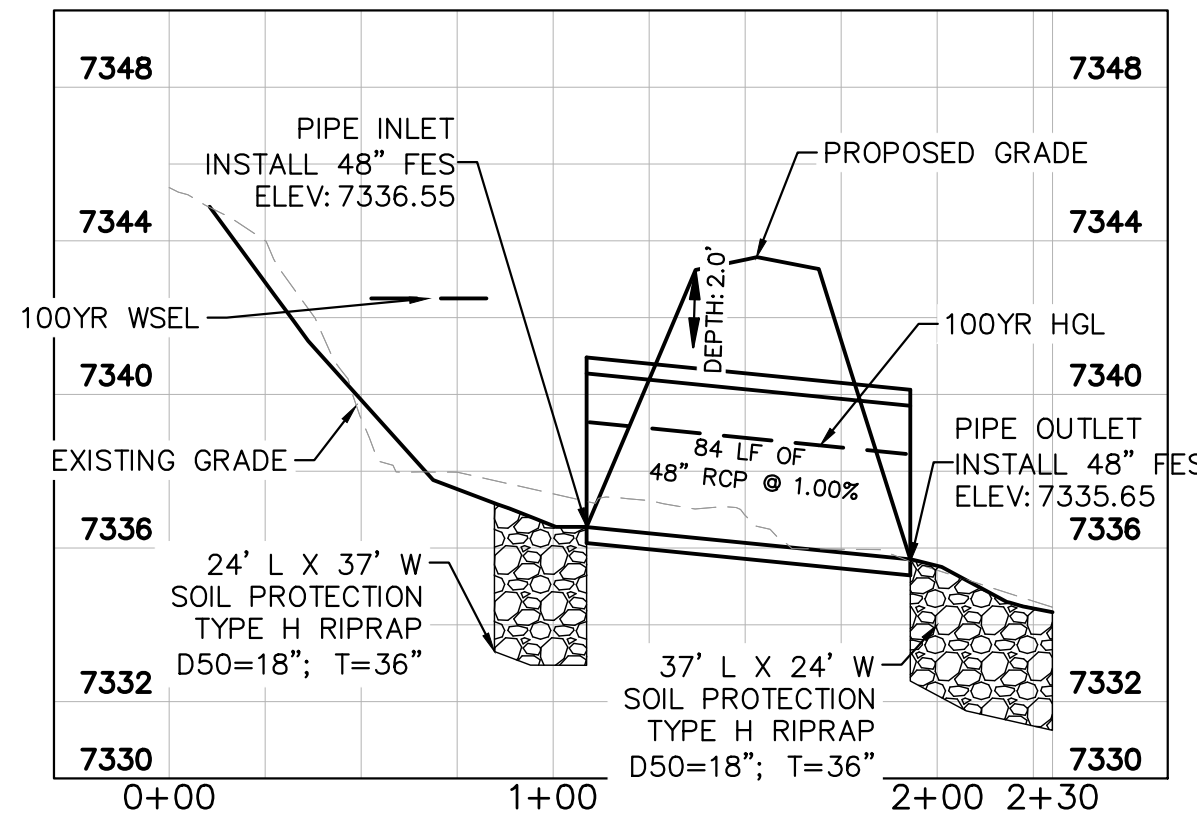
CULVERTS 1 & 2- DESIGN POINT O2



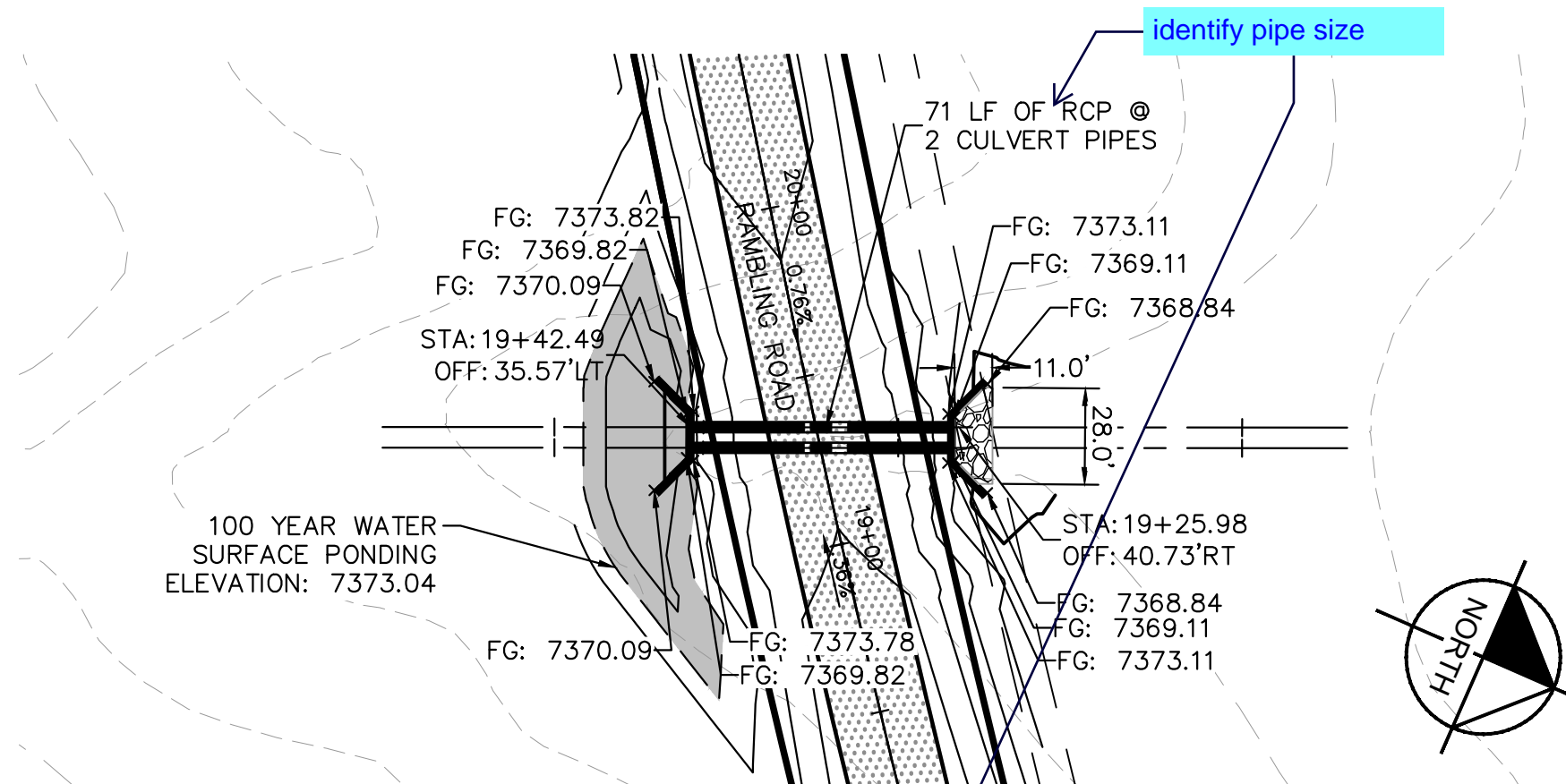
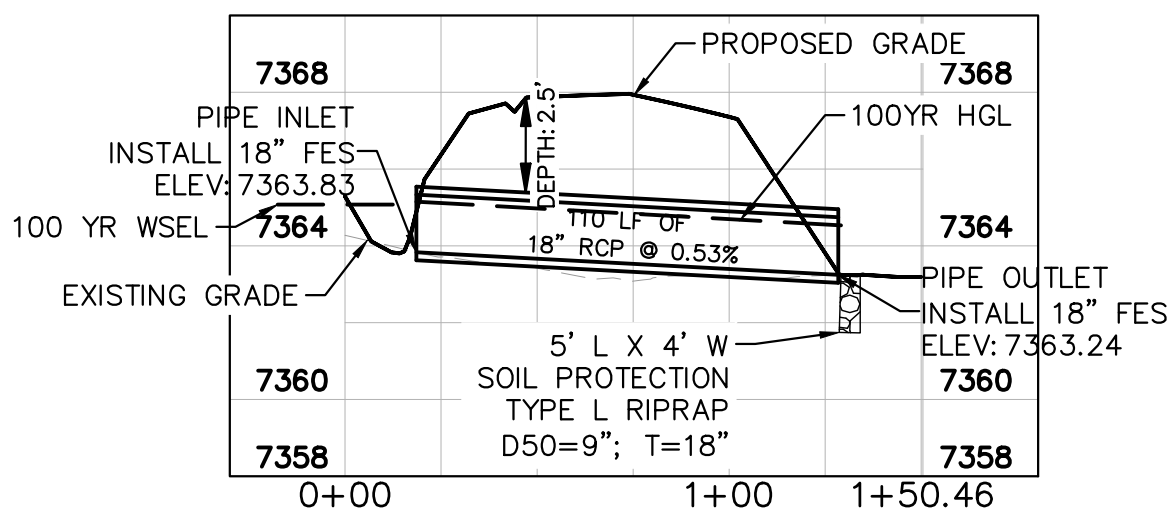
CULVERT 3- DESIGN POINT E5



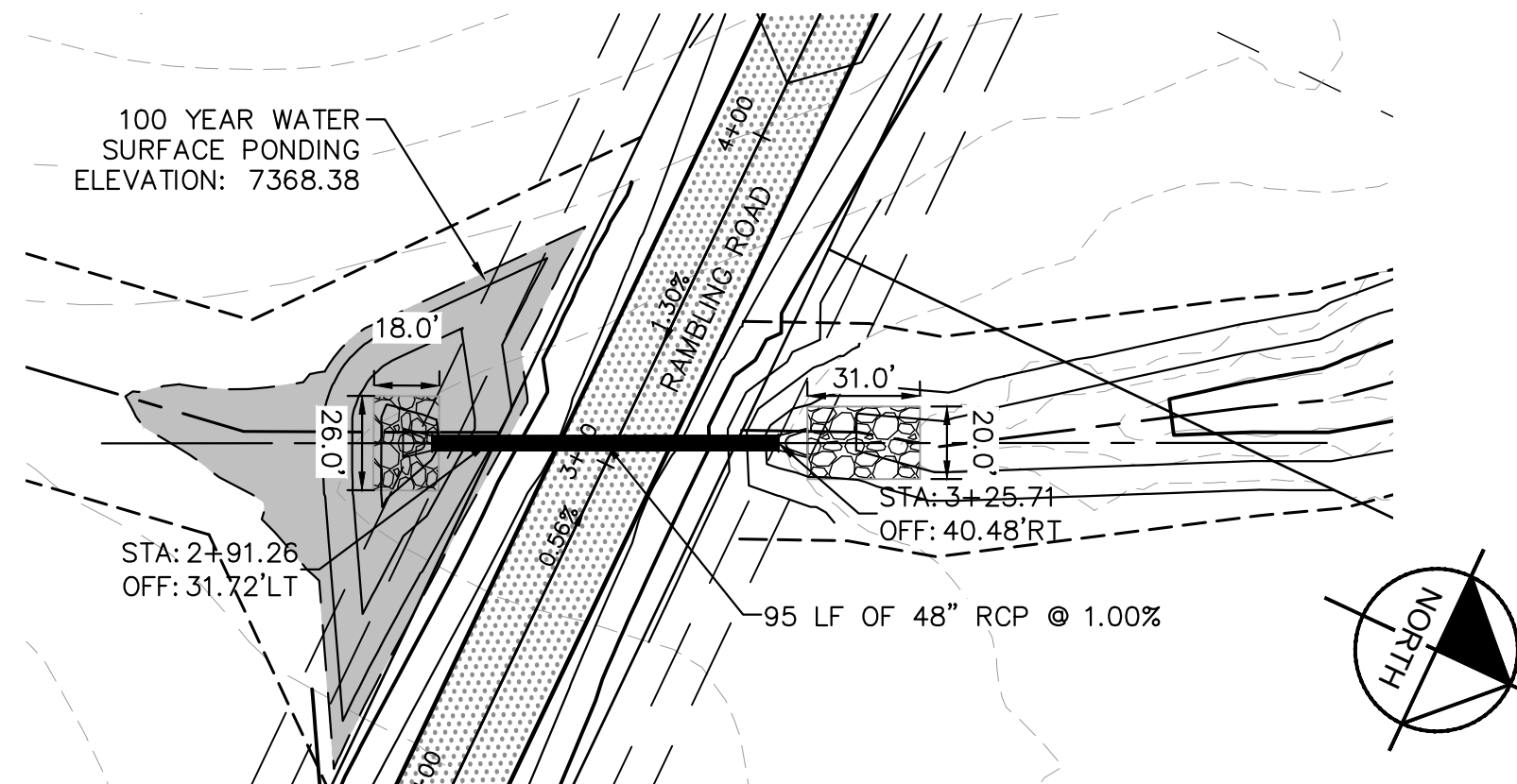
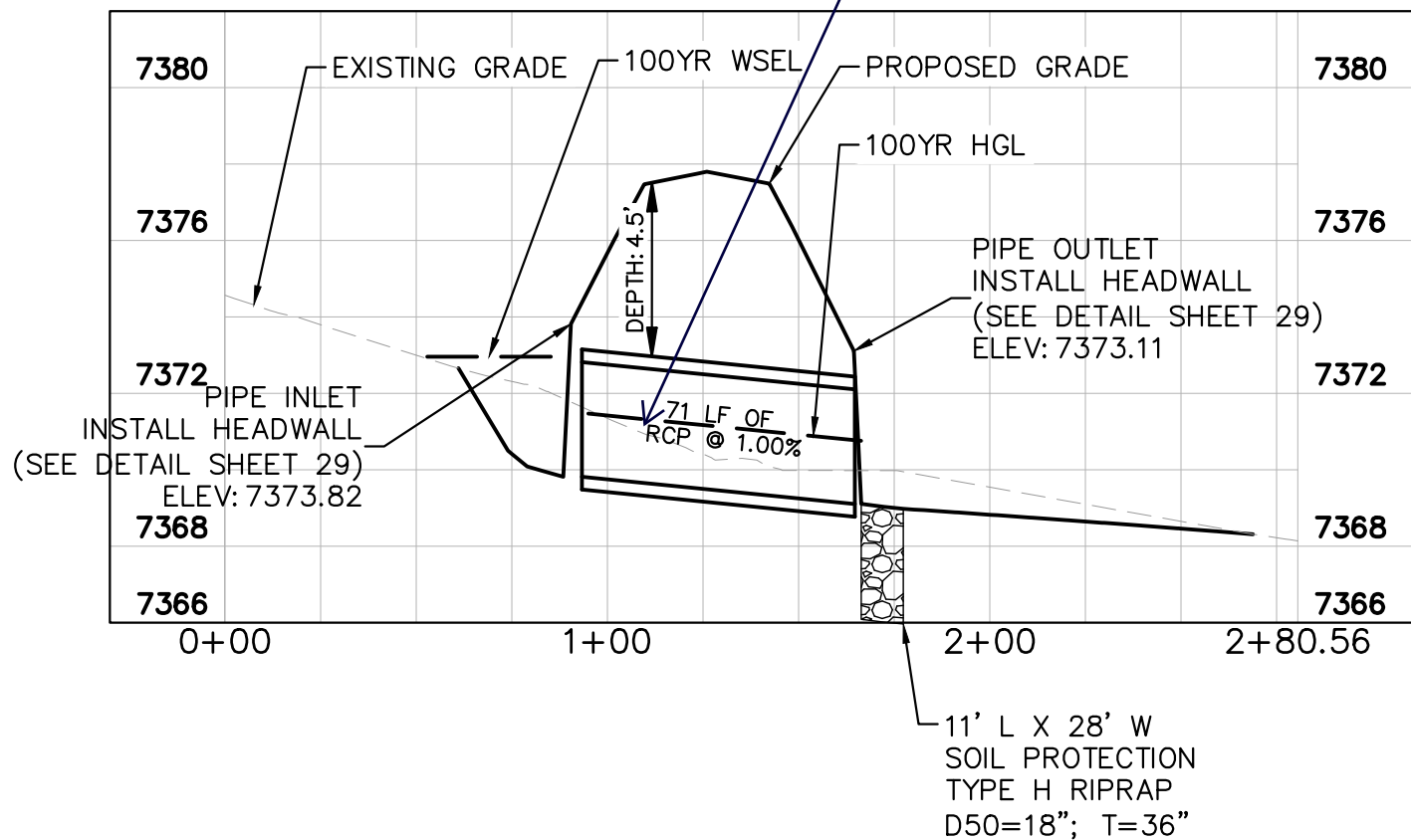
CULVERT 4- DESIGN POINT E4



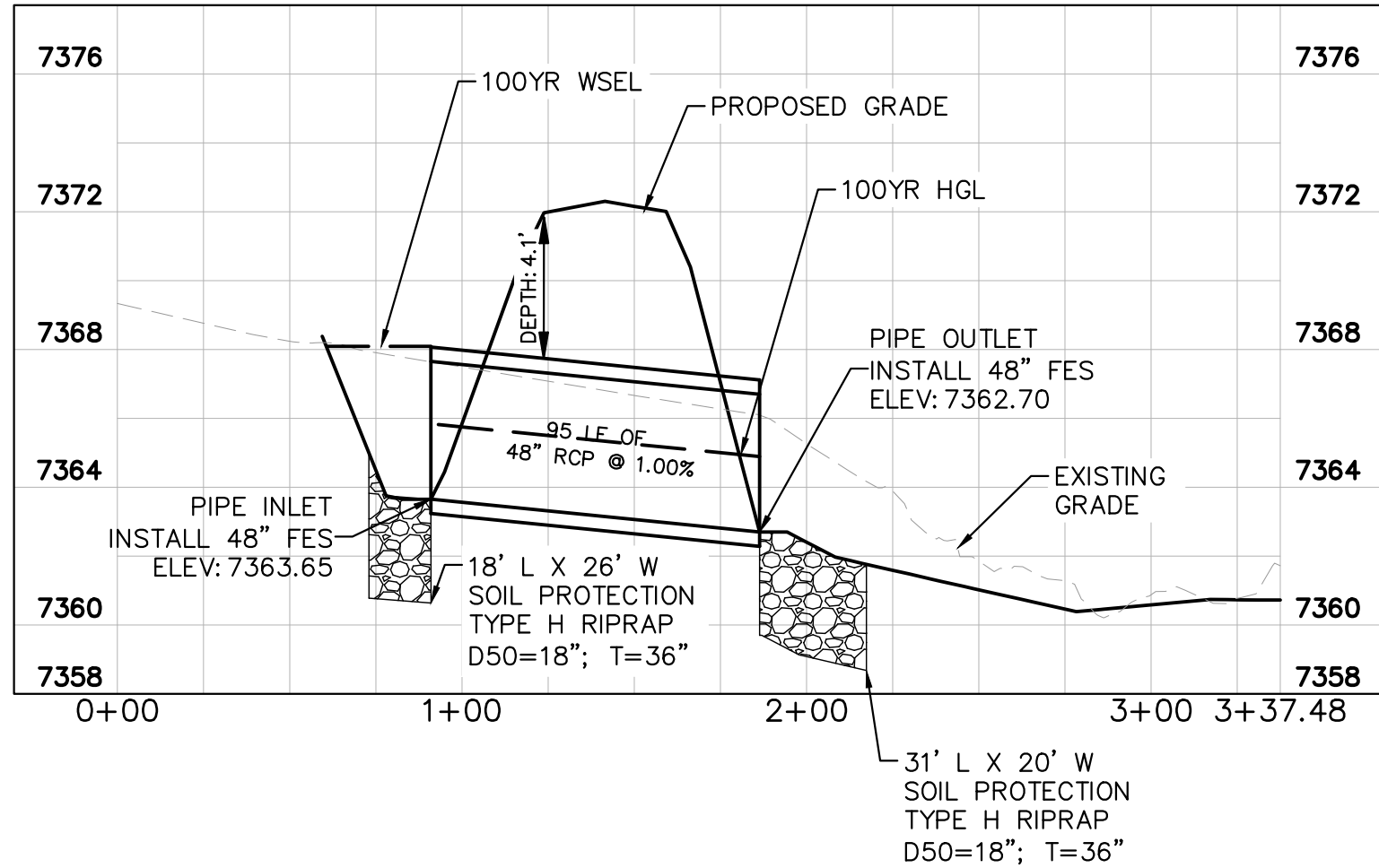
CULVERT 5- DESIGN POINT F2



CULVERTS 6 & 7- DESIGN POINT O1

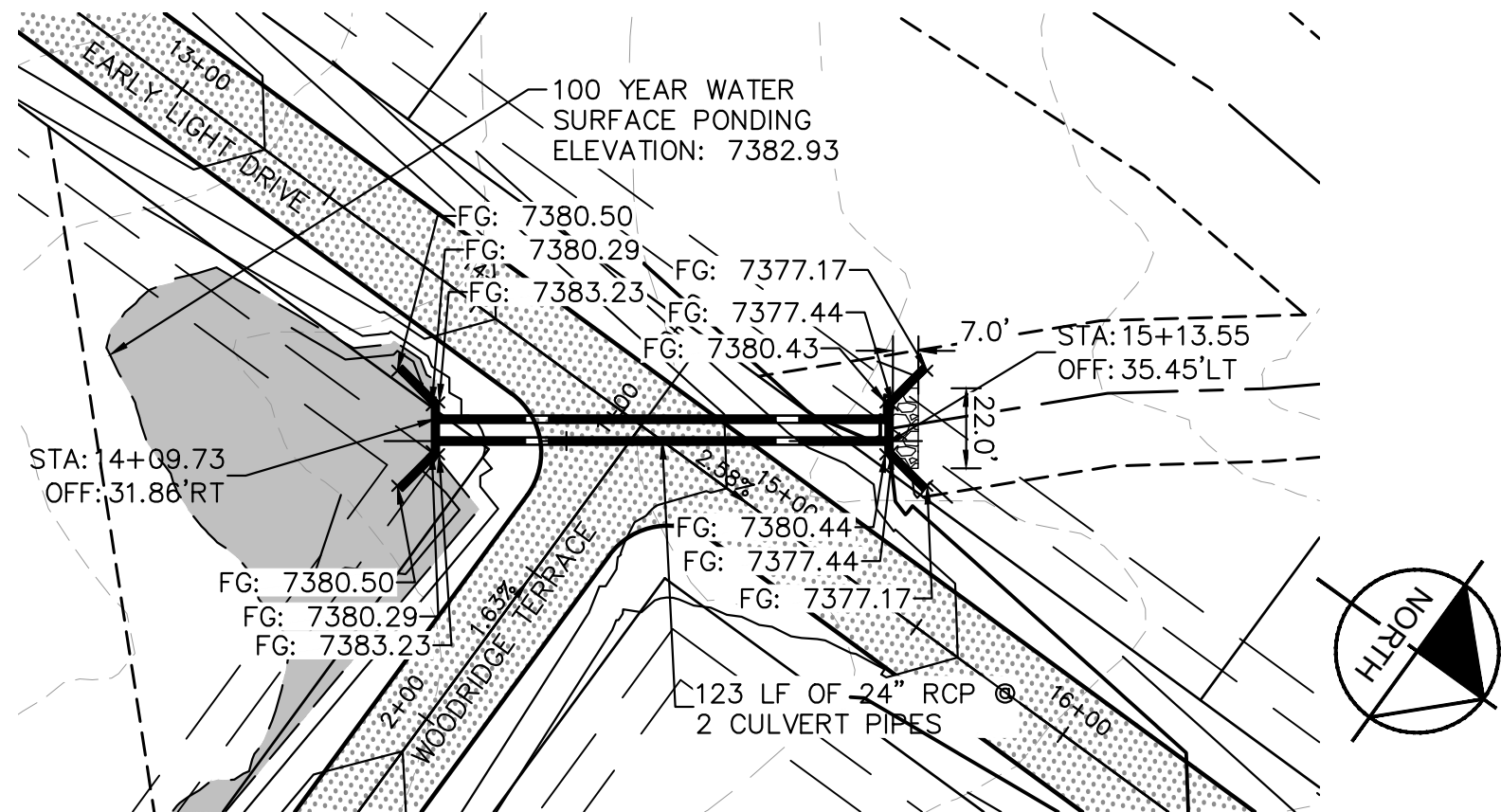


CULVERT 8- DESIGN POINT E3

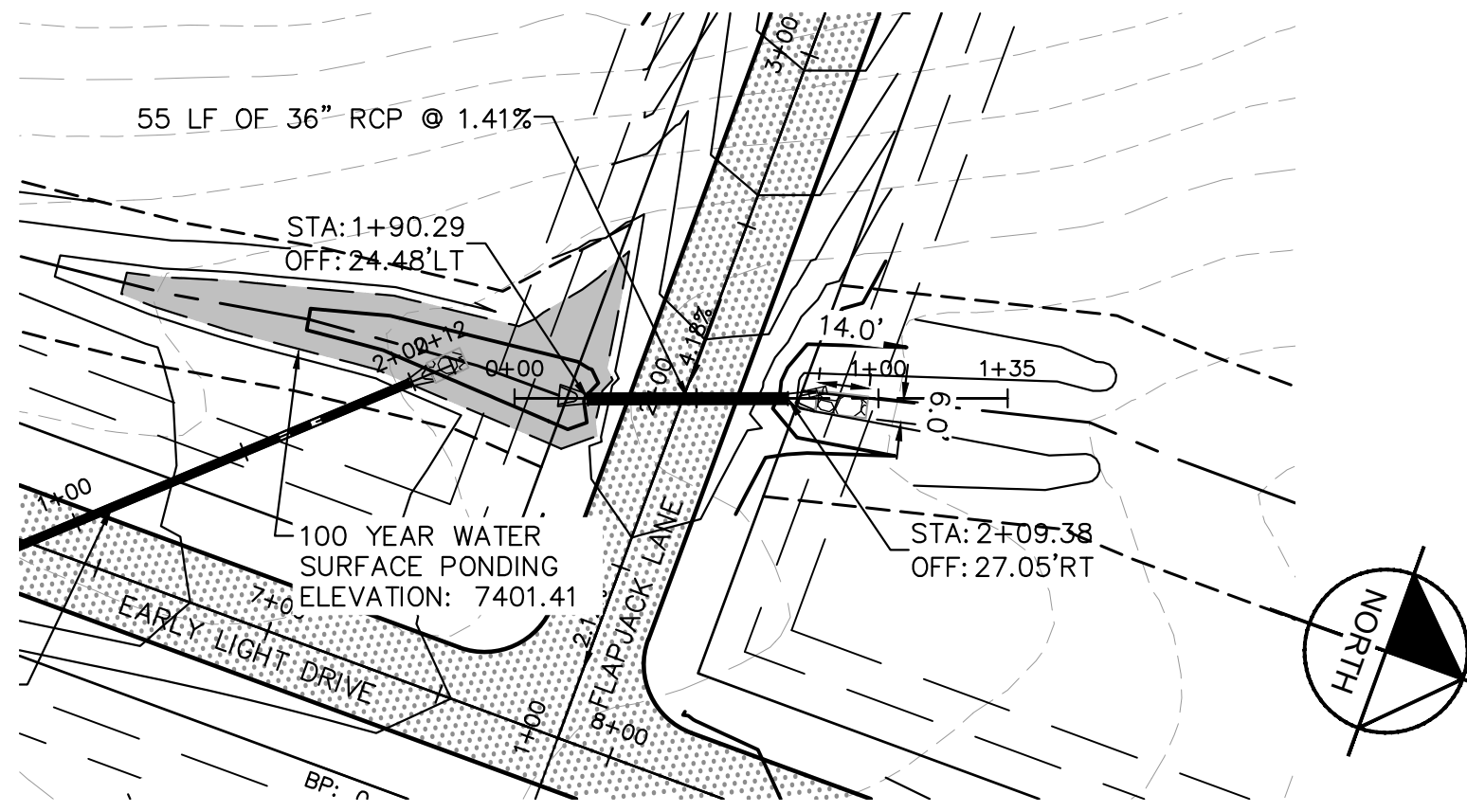
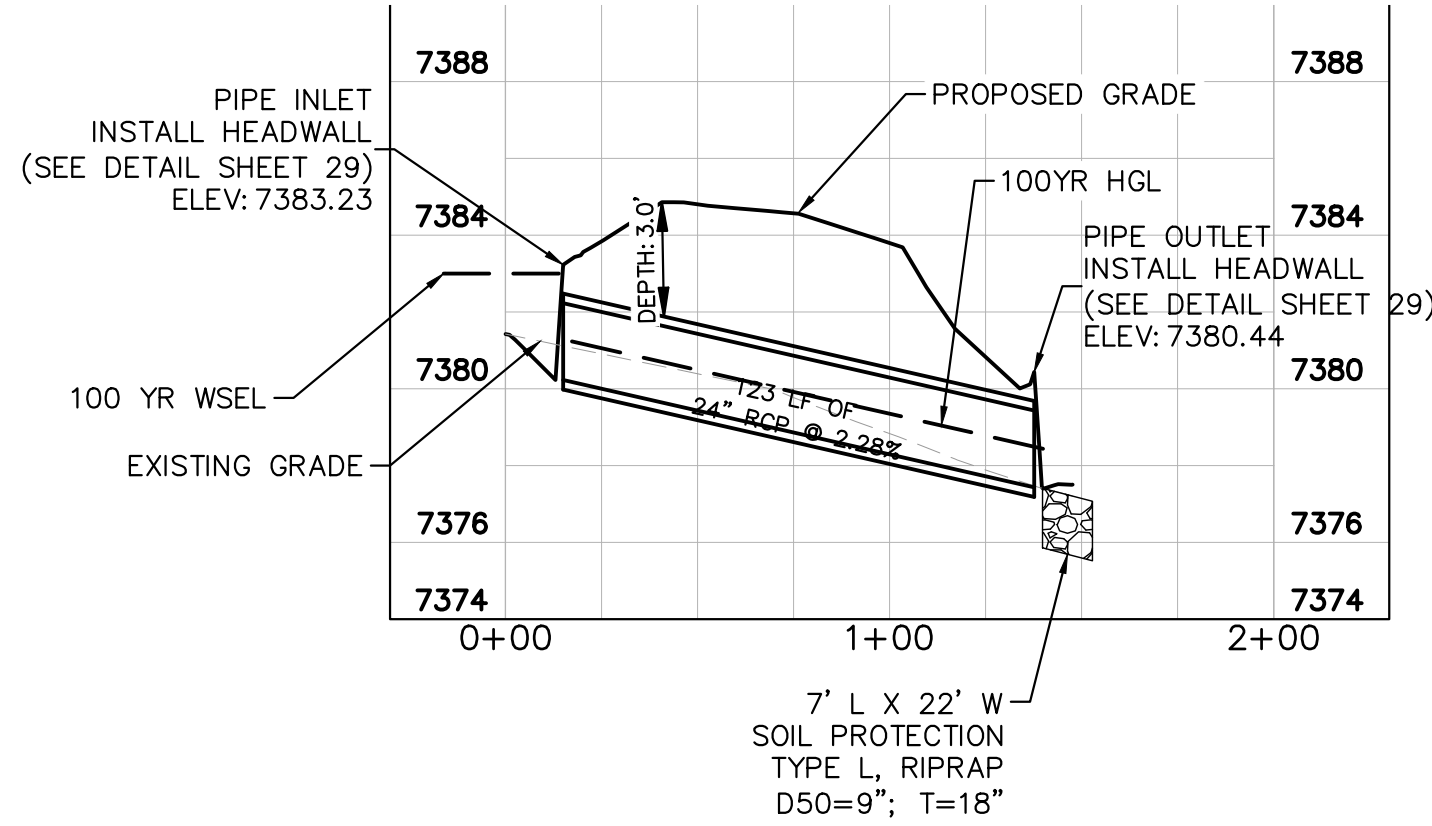


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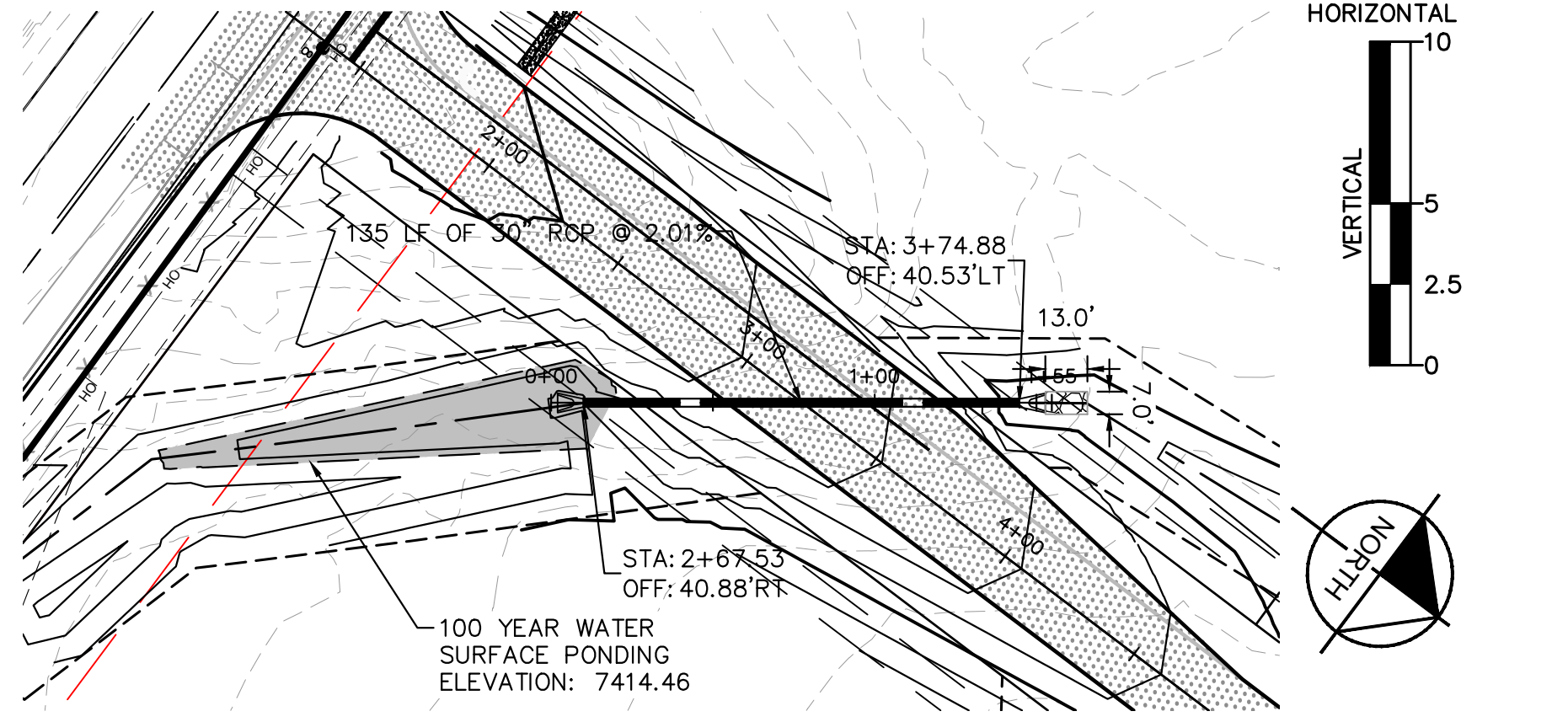
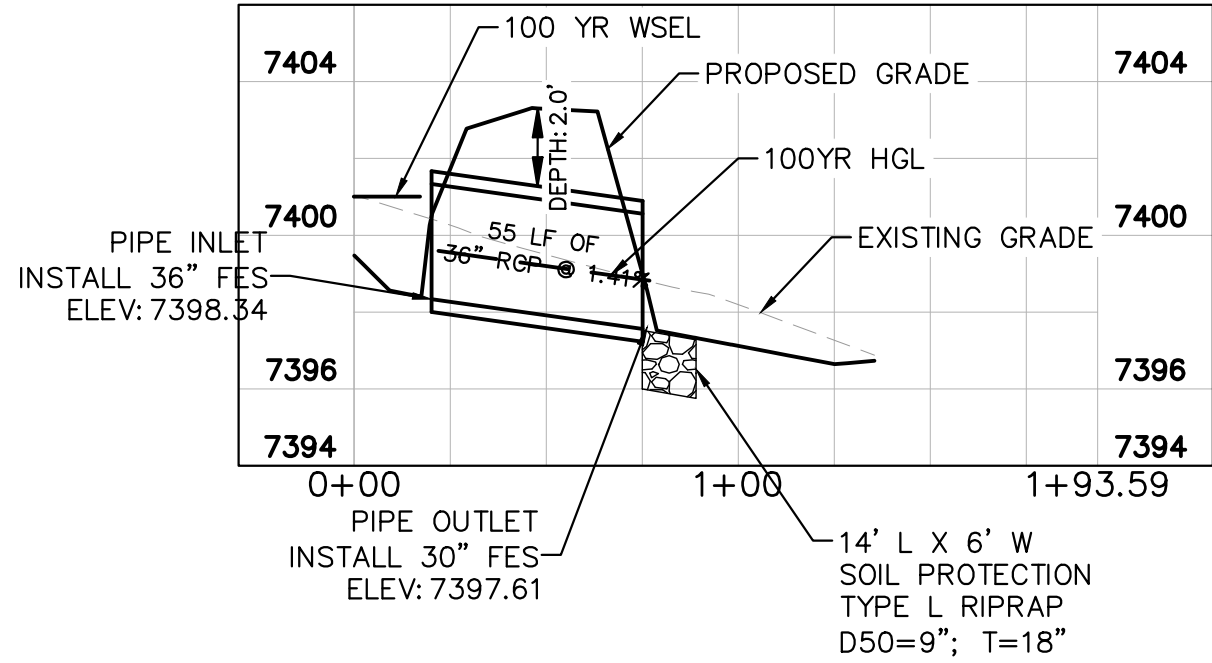
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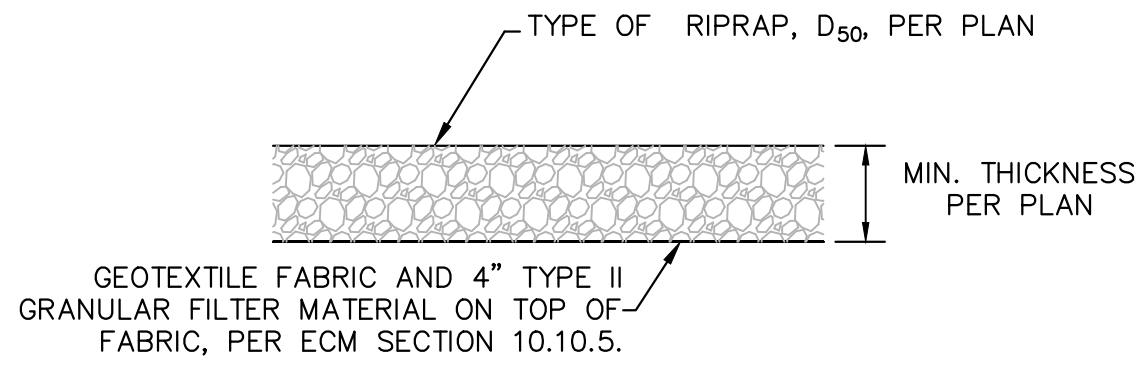
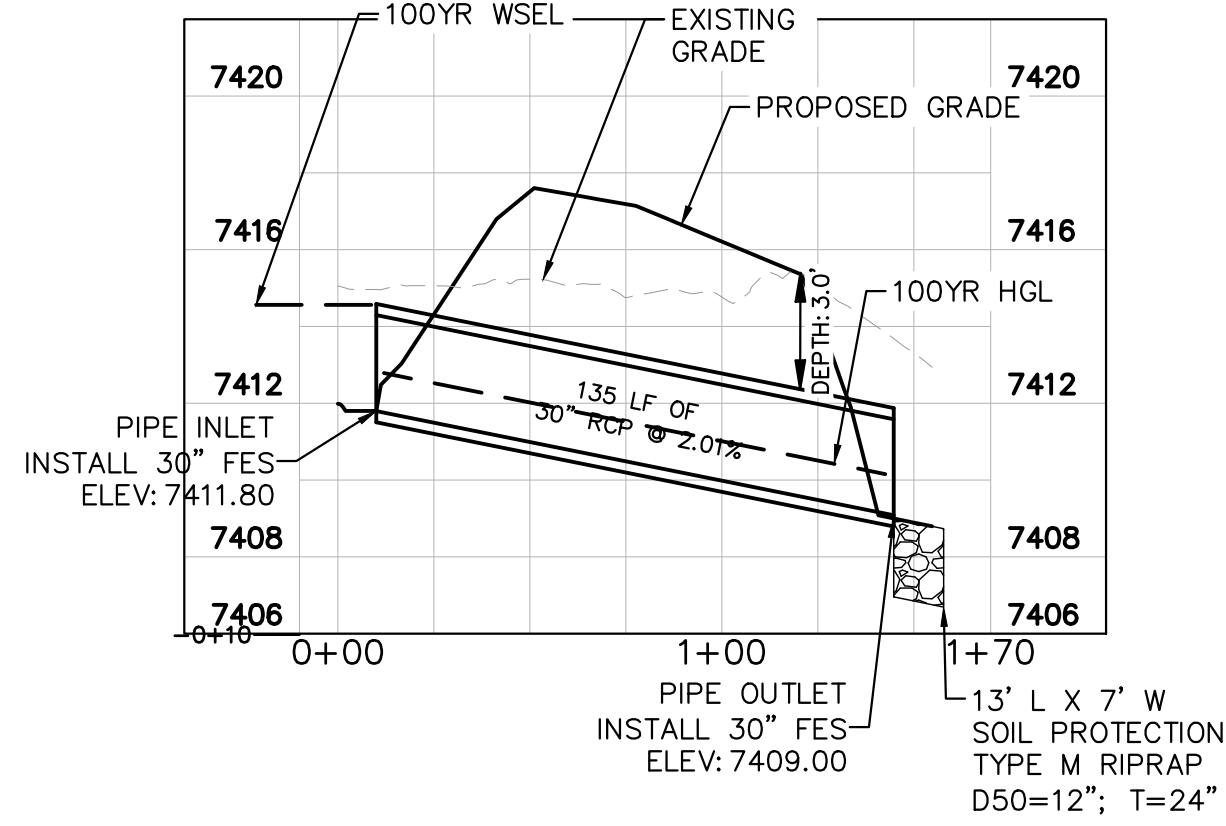
CULVERT 9 & 10 - DESIGN POINT E1.2



CULVERT 11 - DESIGN POINT E2

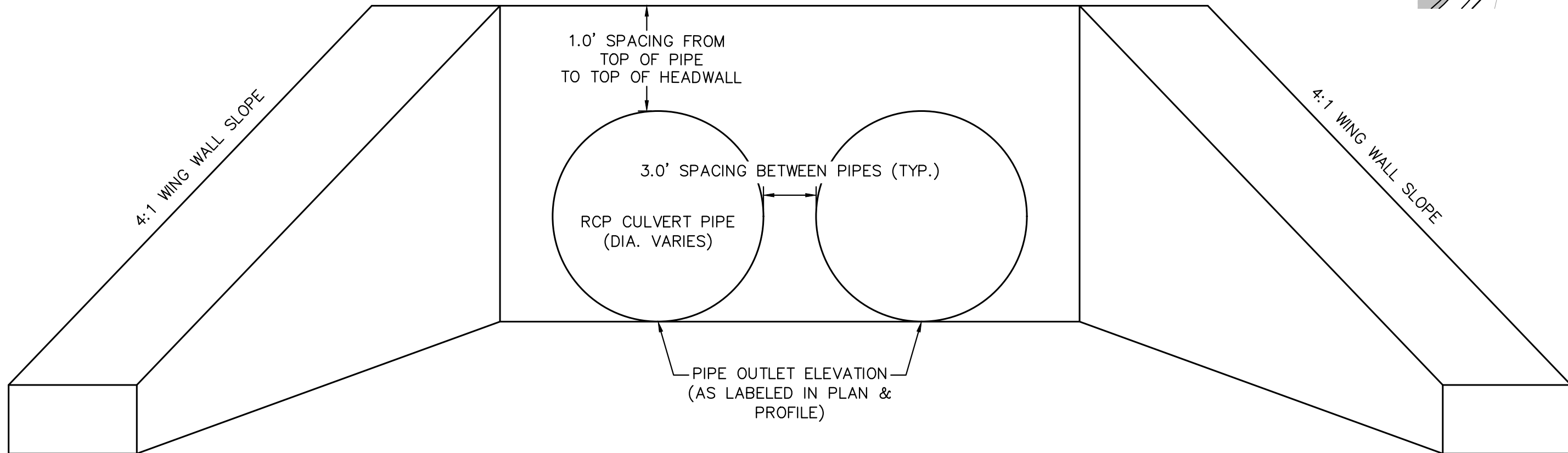


CULVERT 12 - DESIGN POINT E1.1



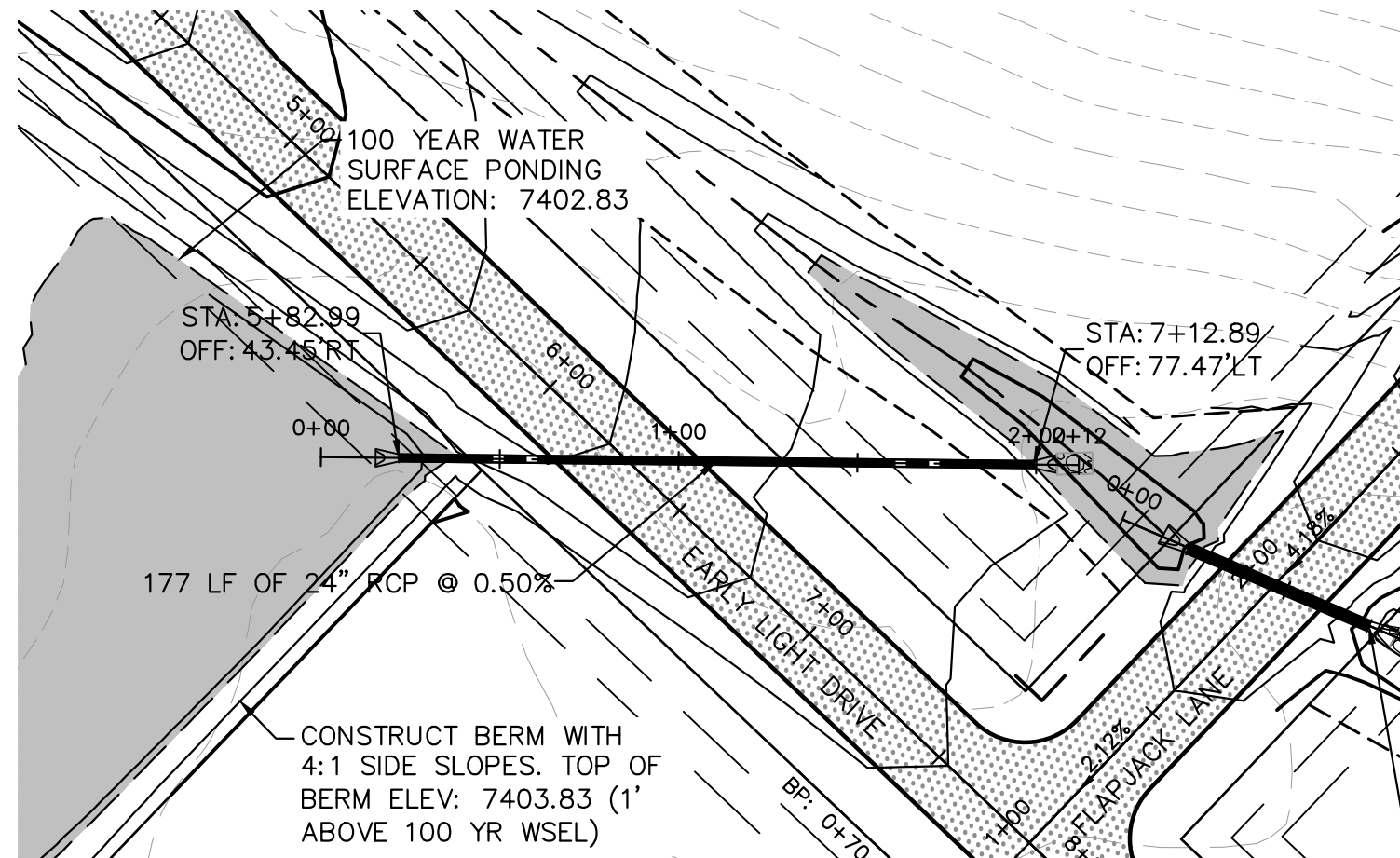
1. D50 = MEAN PARTICLE SIZE (INTERMEDIATE DIMENSION) BY WEIGHT.
2. RIP RAP SHALL BE PER PLAN AND SHALL BE MIXED WITH 30% SOIL TO 70% RIP RAP.
3. RIP RAP SECTION THICKNESS SHALL BE 2.0 TIMES THE SPECIFIED MEAN PARTICLE SIZE (I.E. D50 X 2.0 MINIMUM) PER ECM SECTION 10.10.3.
4. ALL RIP RAP SHALL BE UNDERLAIN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

TYPICAL RIPRAP SECTION DETAIL

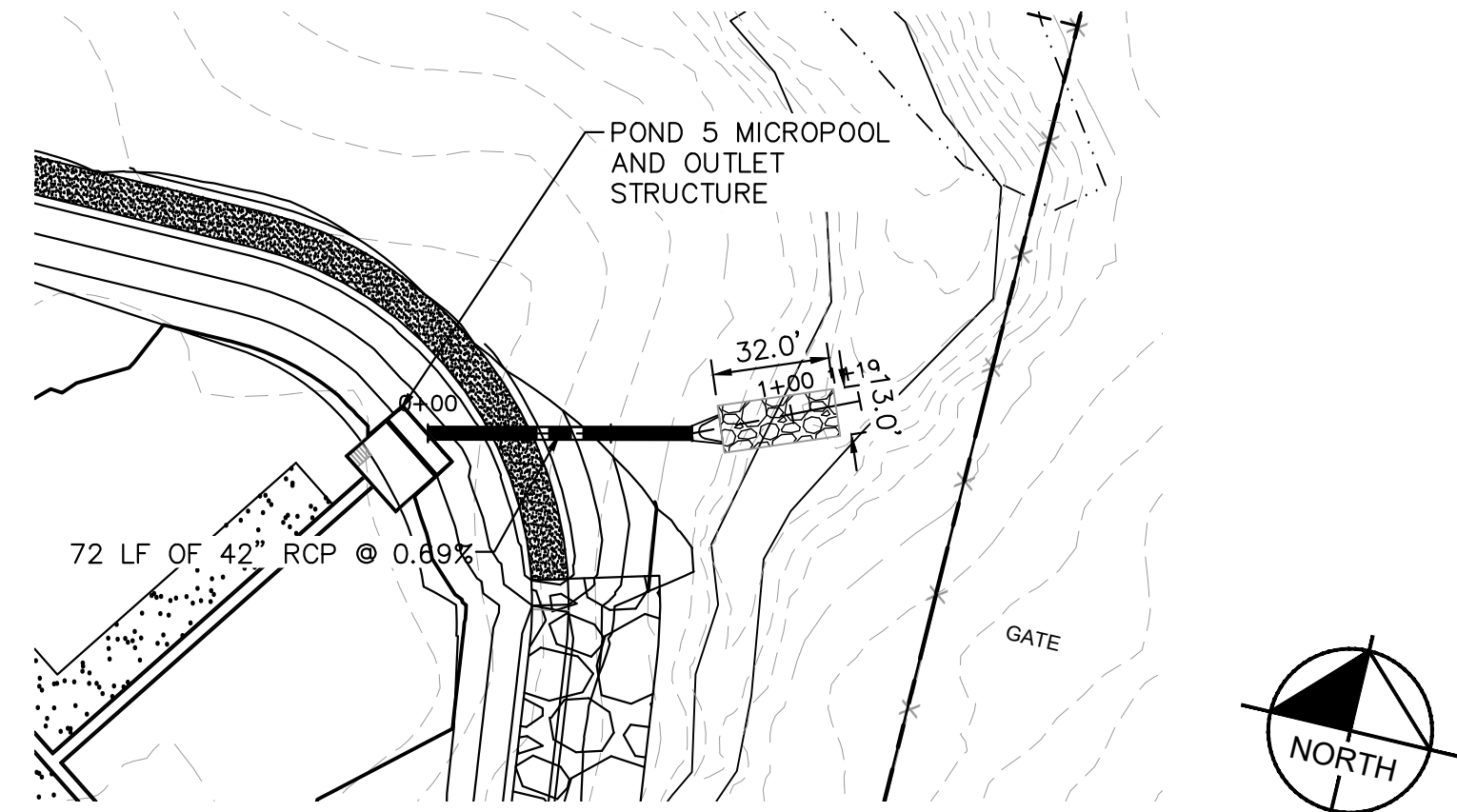
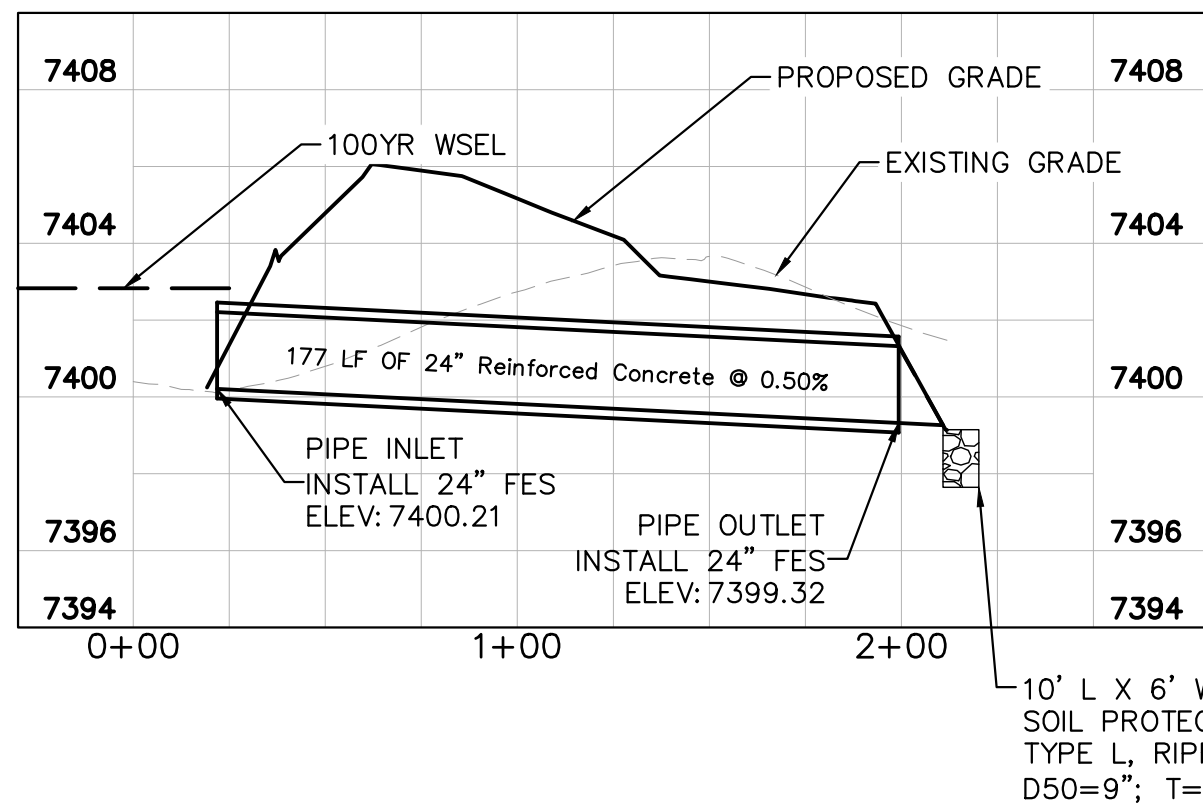


CULVERT HEADWALL DETAIL
NTS

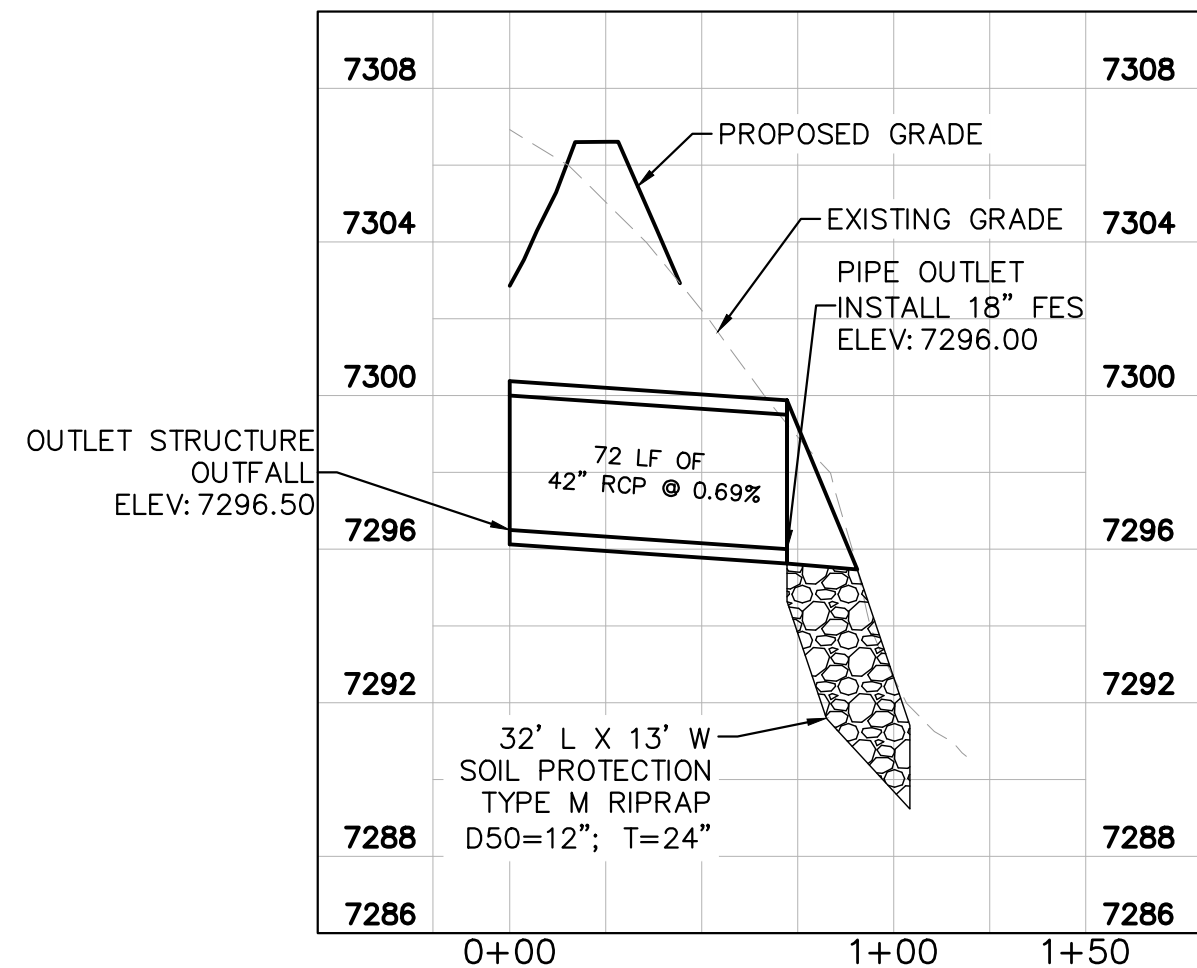
PLEASE REFERENCE CDOT M-STANDARD DETAILS
M601-10 AND M601-12 FOR ADDITIONAL DESIGN INFORMATION
PLEASE NOTE THAT O.D.-O.D. SPACING BETWEEN RCP PIPES
SHALL BE 3.0' TYPICAL.



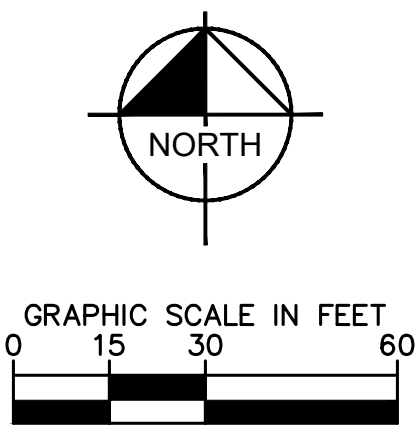
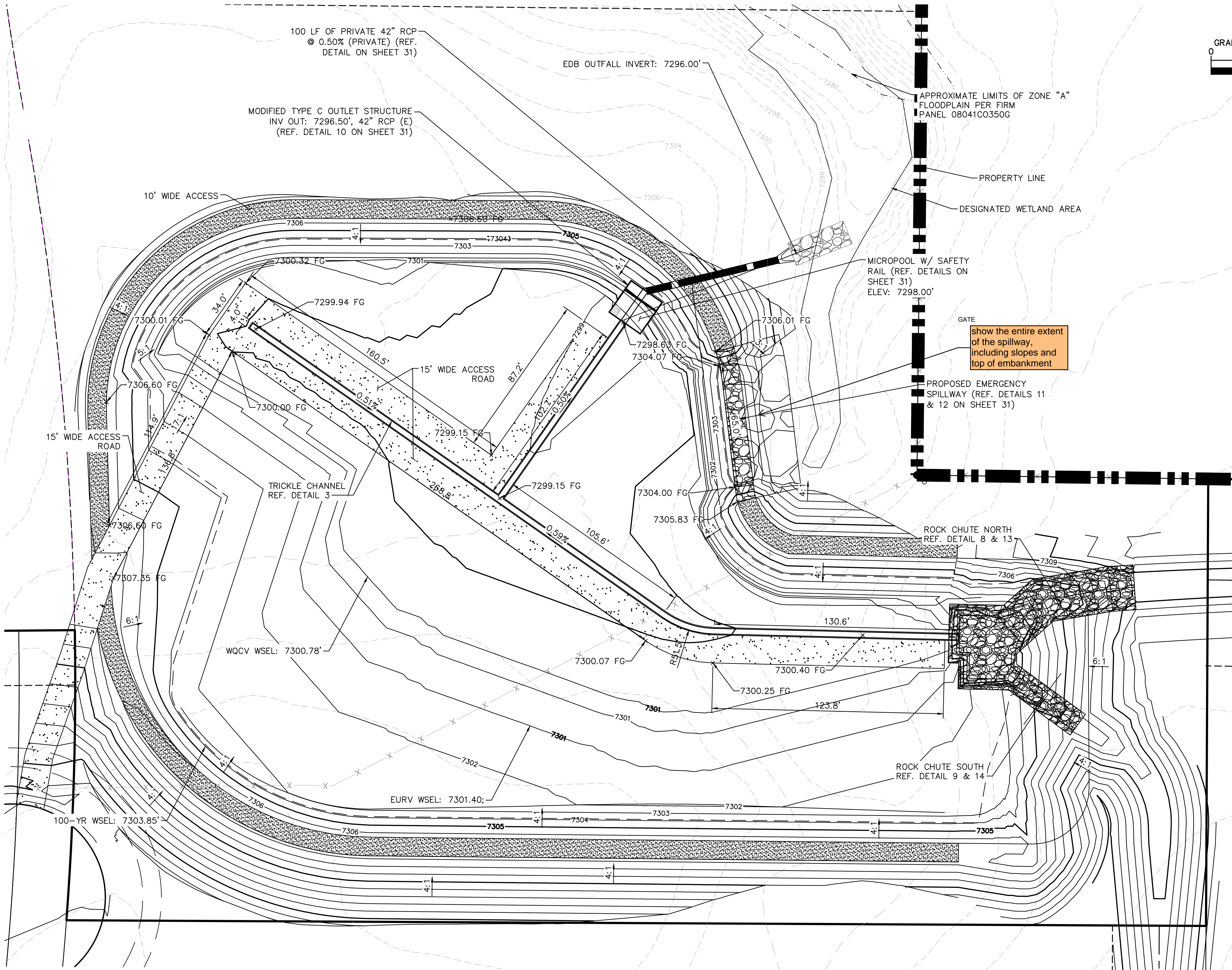
CULVERT 13 - DESIGN POINT E1.3






POND 5 OUTFALL



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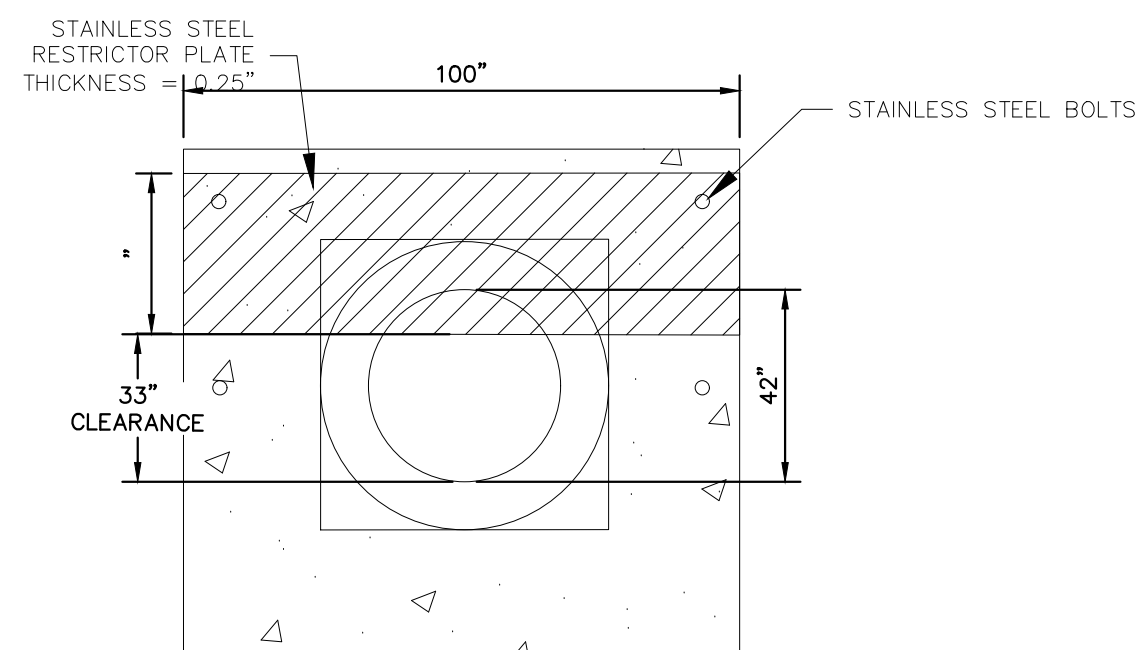


LEGEND

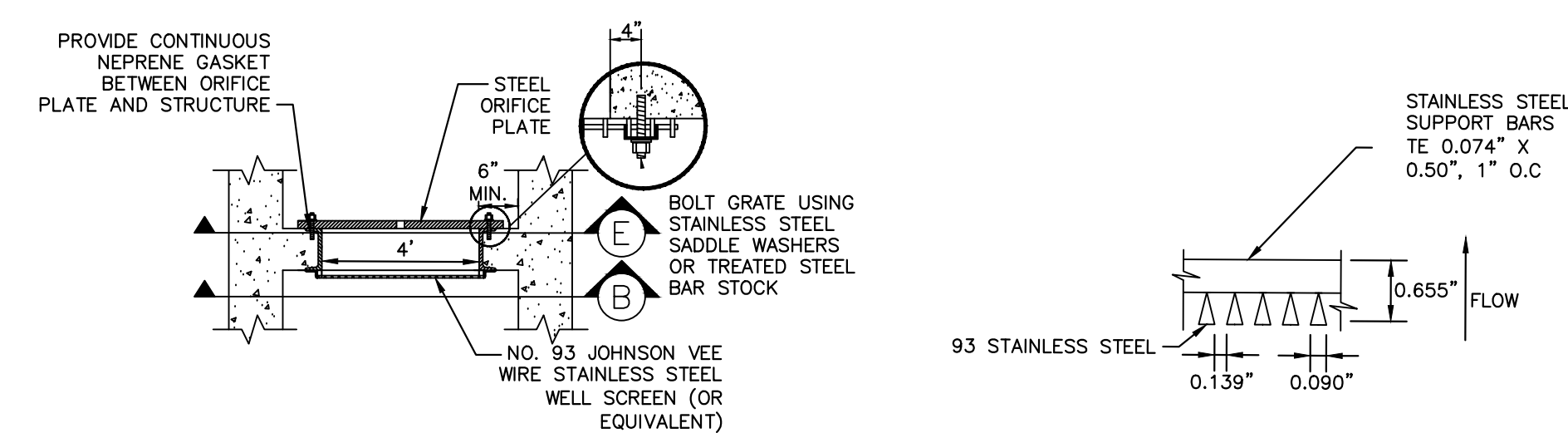
FG	FINISH GRADE
FBT	TOP OF FOREBAY AT FINISHED GRADE
FBB	BOTTOM OF FOREBAY AT FINISHED GRADE
TCT	TOP OF TRICKLE CHANNEL AT FINISHED GRADE
TCB	BOTTOM OF TRICKLE CHANNEL AT FINISHED GRADE
MPT	TOP OF MICROPOOL AT FINISHED GRADE
MPB	BOTTOM OF MICROPOOL AT FINISHED GRADE
GRATE	OUTLET STRUCTURE GRATE ELEVATION
ME	MATCH EXISTING
PT	TOP OF STEEL PLATE AT FINISHED GRADE
PB	BOTTOM OF STEEL PLATE AT FINISHED GRADE
	PROPERTY LINE
	TOP OF POND
	PROPOSED STORM SEWER

COLORADO SPRINGS GENERAL NOTES

1. THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID DETAILED PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE ESTABLISHED CRITERIA FOR DETAILED DRAINAGE PLANS AND SPECIFICATIONS, AND SAID DETAILED PLANS AND SPECIFICATIONS ARE IN CONFORMANCE WITH THE PLAN OF THE DRAINAGE BASIN. SAID DETAILED DRAINAGE PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR DRAINAGE FACILITY(S) IS DESIGNED. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THE DETAILED DRAINAGE PLANS AND SPECIFICATIONS.
2. PLAN REVIEW BY CITY OF COLORADO SPRINGS IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH DESIGN CRITERIA. THE CITY OF COLORADO SPRINGS DOES NOT ASSUME RESPONSIBILITY FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE CITY OF COLORADO SPRINGS, THROUGH APPROVAL OF THIS DOCUMENT, ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

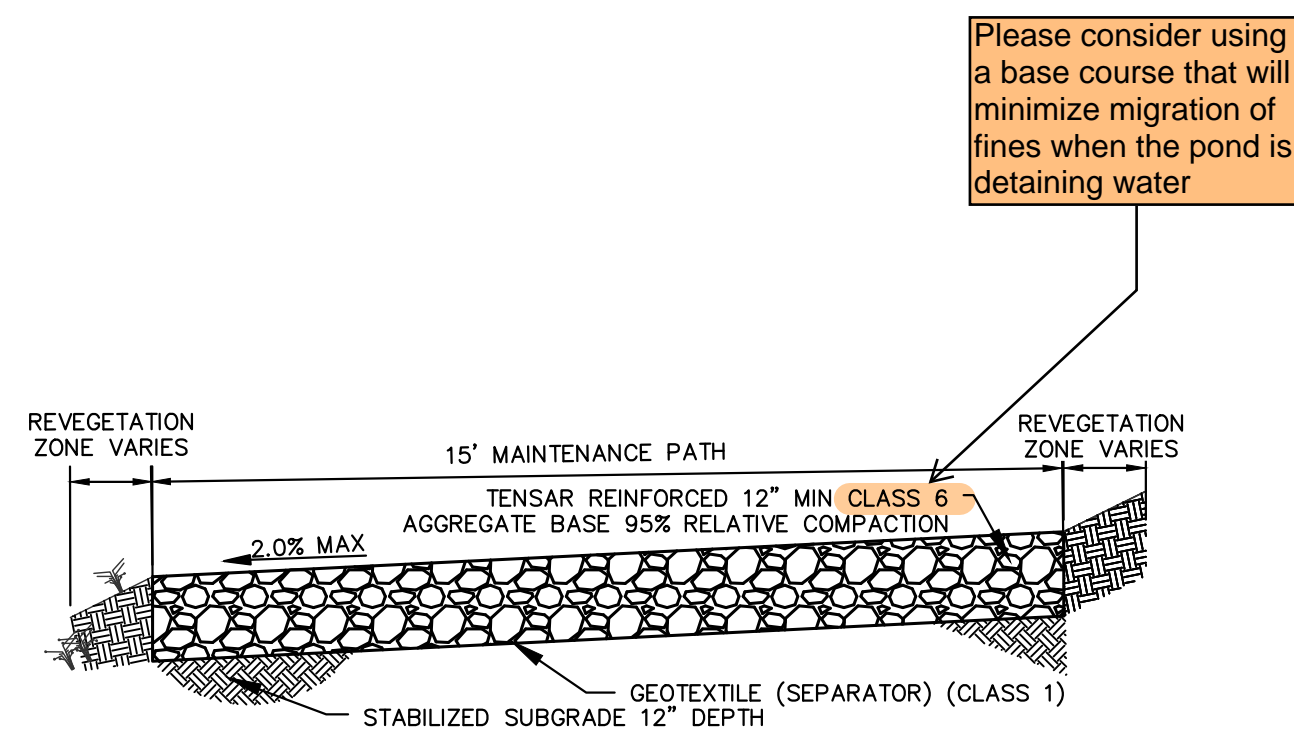


100-YEAR FLOW RESTRICTOR B



SECTION A

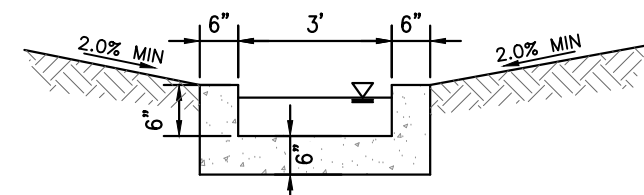
SECTION B



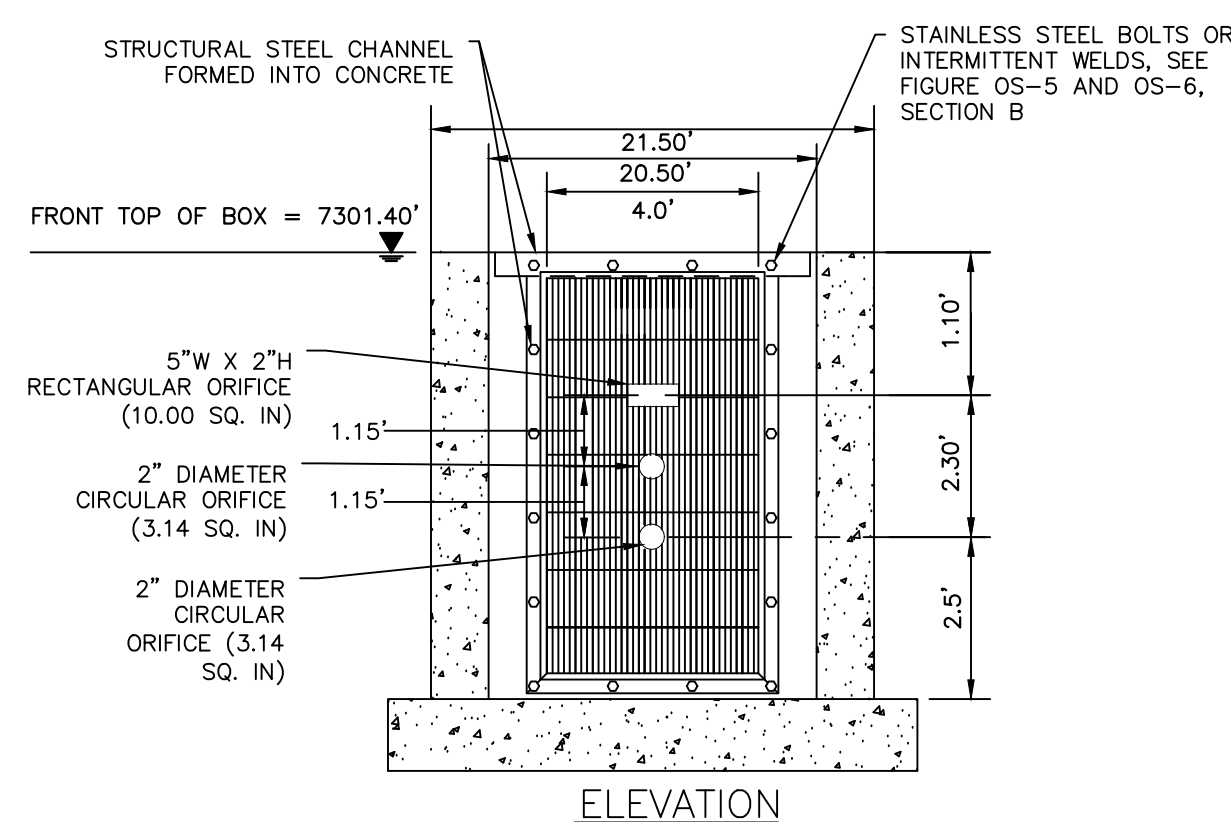
MAINTENANCE ROAD

N.T.S.

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



CONCRETE TRICKLE CHANNEL



ORIFICE PLATE AND TRASH RACK DETAIL

N.T.S.

ORIFICE PLATE NOTES

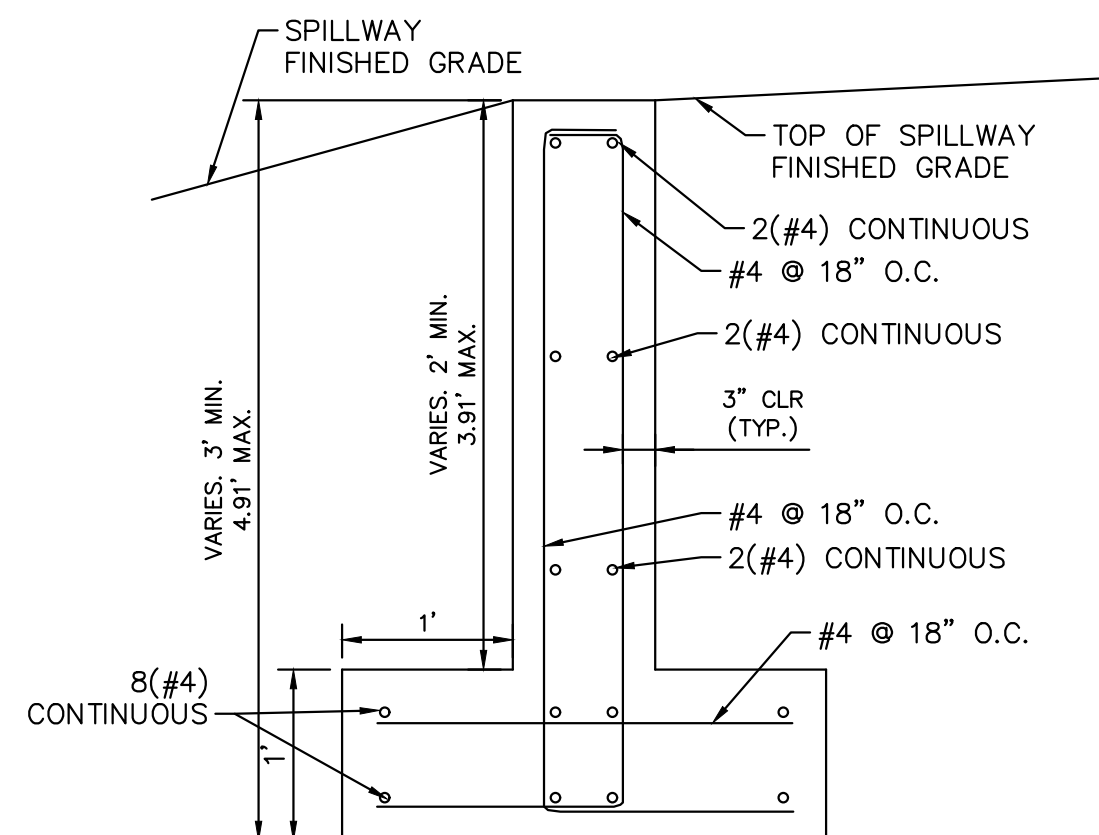
1. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
2. BOLT PLATE TO CONCRETE 12" MAX. ON CENTER. SEE TABLE 6-2 FOR PLATE THICKNESS.

EURV AND WQCV TRASH RACKS

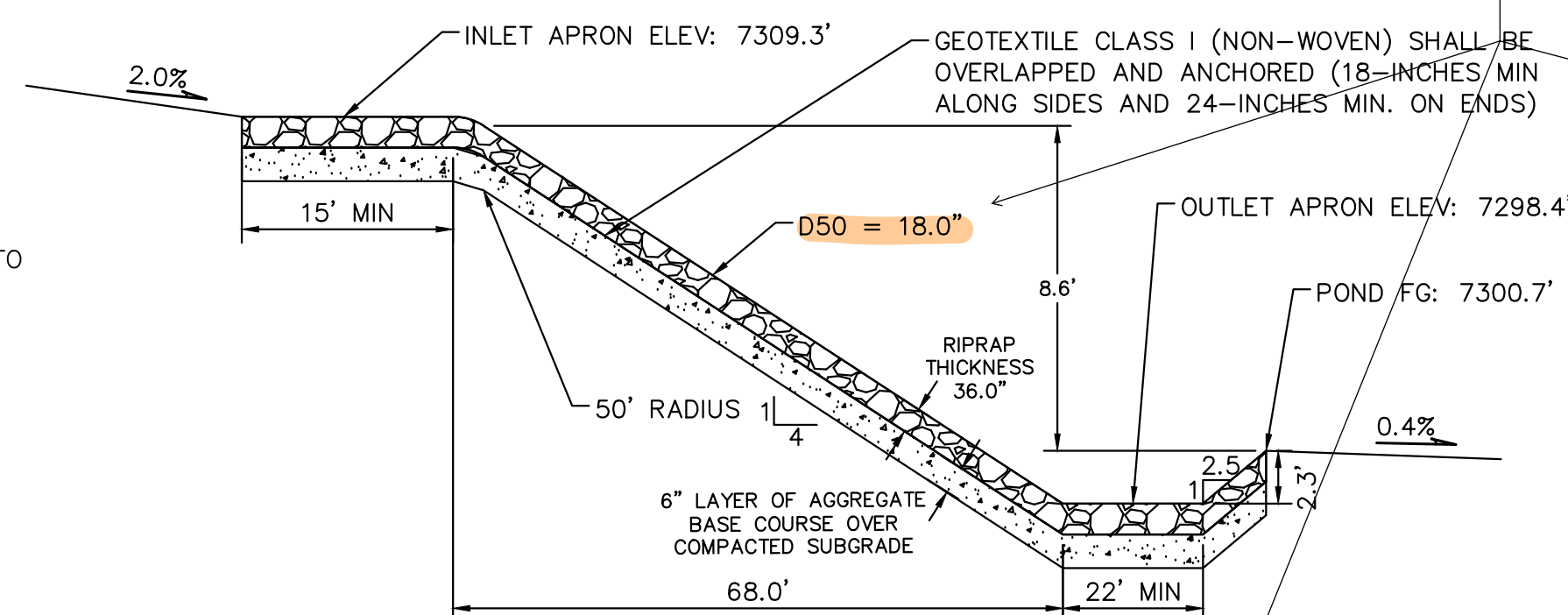
1. WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
2. BAR GATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
3. TRASH RACK OPEN AREAS ARE FOR SPECIFIED TRASH RACK MATERIALS. TOTAL TRASH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

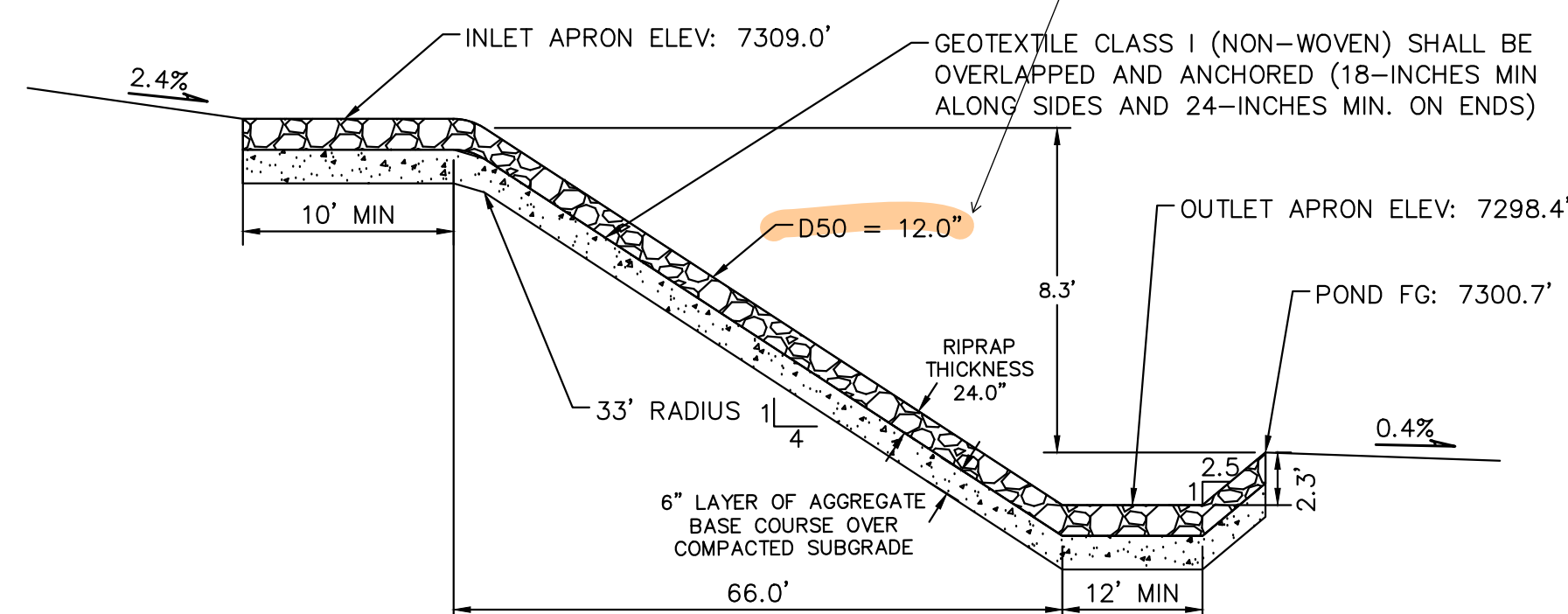
1. ALL SAFETY GRATES SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED AND LOCKABLE OR BOLTABLE ACCESS PANELS.
2. SAFETY GRATES SHALL BE STAINLESS STEEL, ALUMINUM, OR STEEL. STEEL GRATES SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
3. SAFETY GRATES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



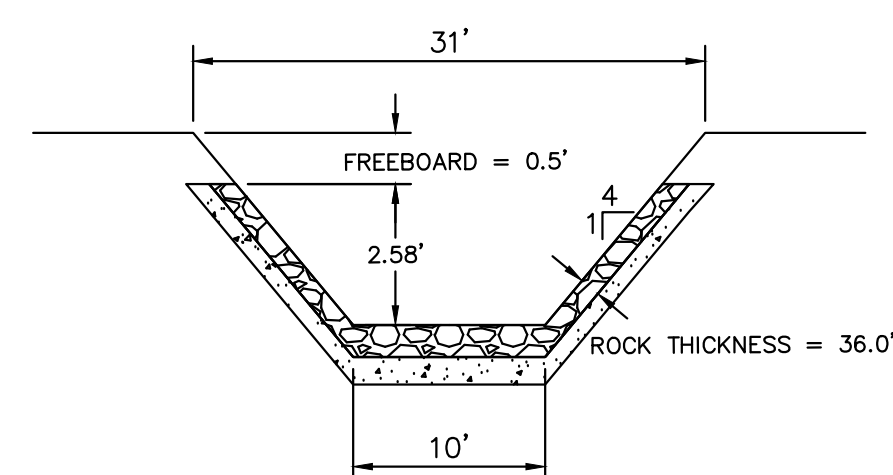
SECTION CREST WALL DETAIL



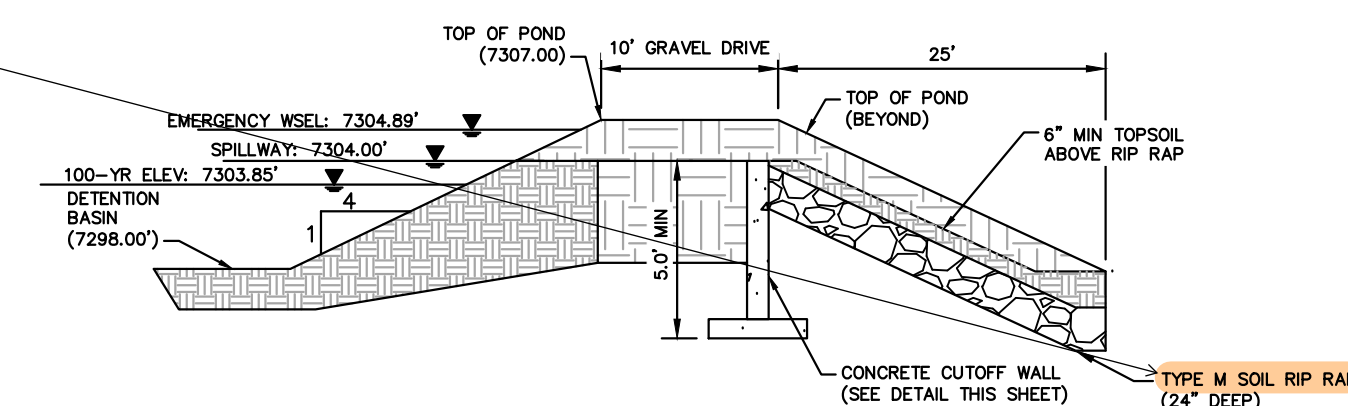
ROCK CHUTE NORTH



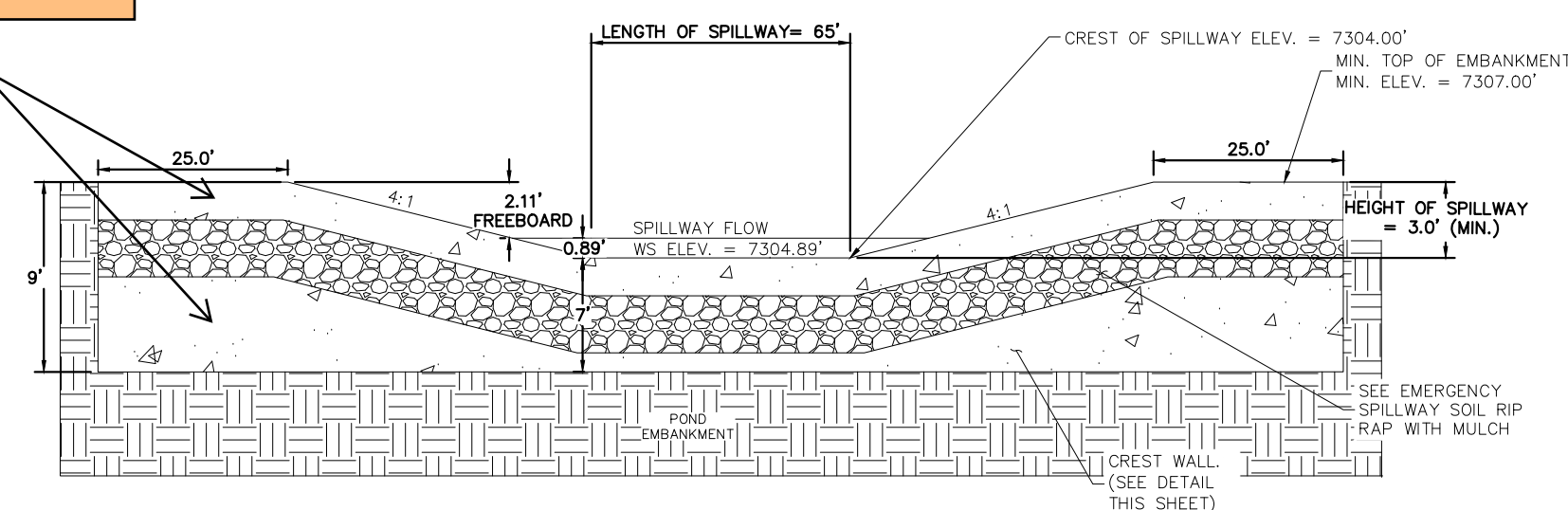
ROCK CHUTE SOUTH



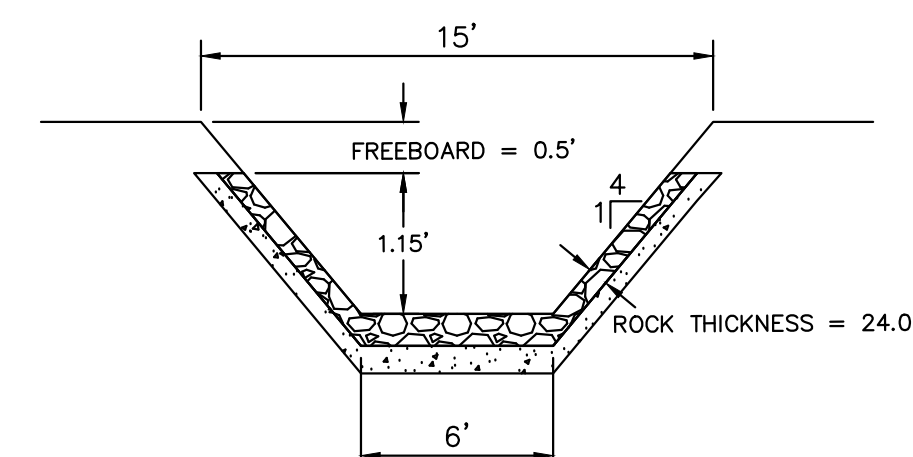
SECTION ROCK CHUTE NORTH DETAIL



EMERGENCY SPILLWAY DETAILS



EMERGENCY SPILLWAY



SECTION ROCK CHUTE SOUTH DETAIL

[illegible]

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LICENSED PROFESSIONAL

KEVIN KOFFORD

LICENSE NUMBER
57234

CHECKED BY	TLC	DATE:
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POND 5 DETAILS

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PREPARED FOR
WINSOME LLC

EL PASO COUNTY

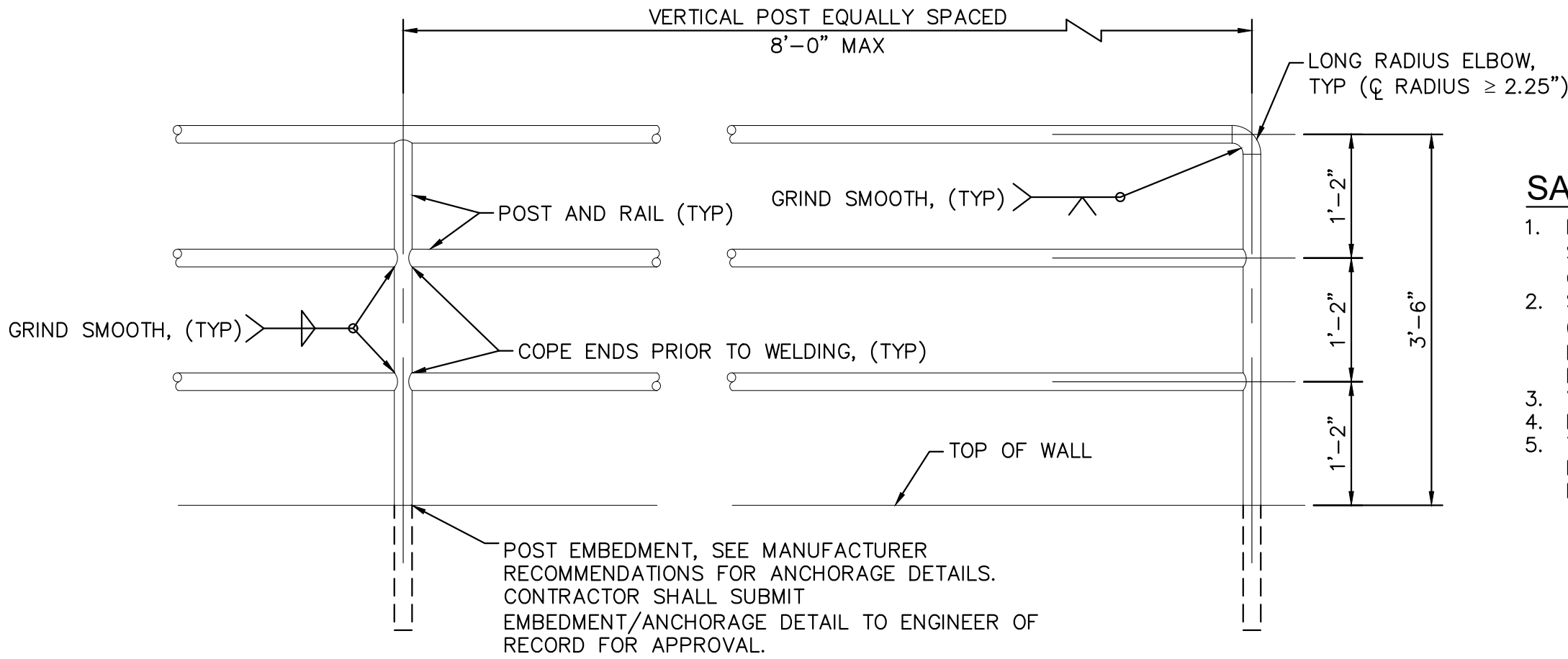
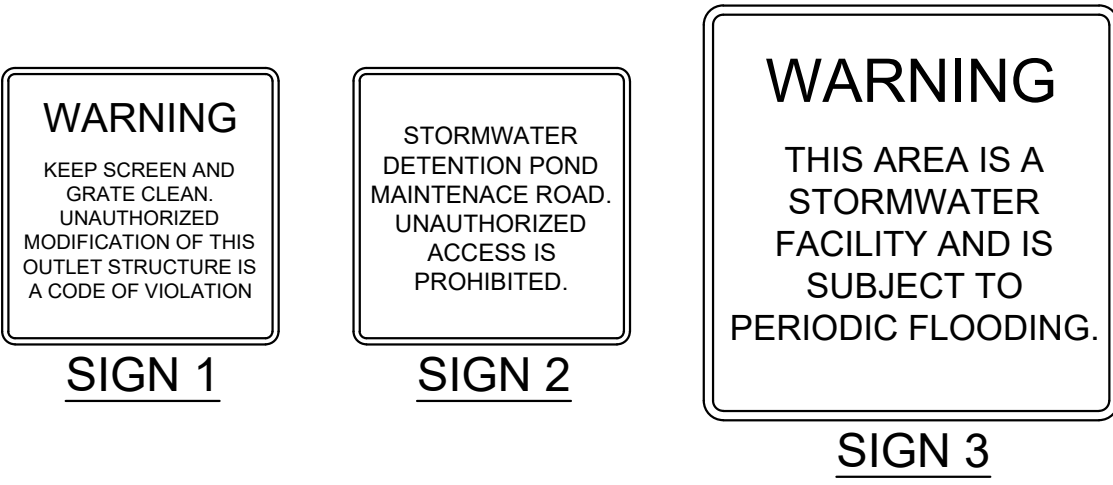
SHEET NUMBER

31

Plotted By: Kofford, Kevin Sheet Set: WINSOME P2 - Layout: POND 5 DETAILS (2) June 07, 2021 10:44:16am K:\BEN_Civil\196106000_Winsome P2\CADD\PlanSheets\019610600CD_POND_5.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.

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".



SAFETY RAILING NOTES:

1. POSTS AND RAILS SHALL BE 1.5" SCHEDULE 40 STEEL PIPE ASTM A 53, GRADE B (2.72 #/LF, 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.

WINSOME FILING NO. 2

PREPARED FOR

WINSOME LLC

EL PASO COUNTY

CO

32

SHEET NUMBER

POND 5 DETAILS

KHA PROJECT

019610600

DATE

05/13/2021

SCALE

AS SHOWN

DESIGNED BY

KHTAM

DRAWN BY

KHTAM

CHECKED BY

TLC

DATE:

LICENSED PROFESSIONAL

KEVIN KOFFORD

CO LICENSE NUMBER

57234

DATE:

Kimley»Horn

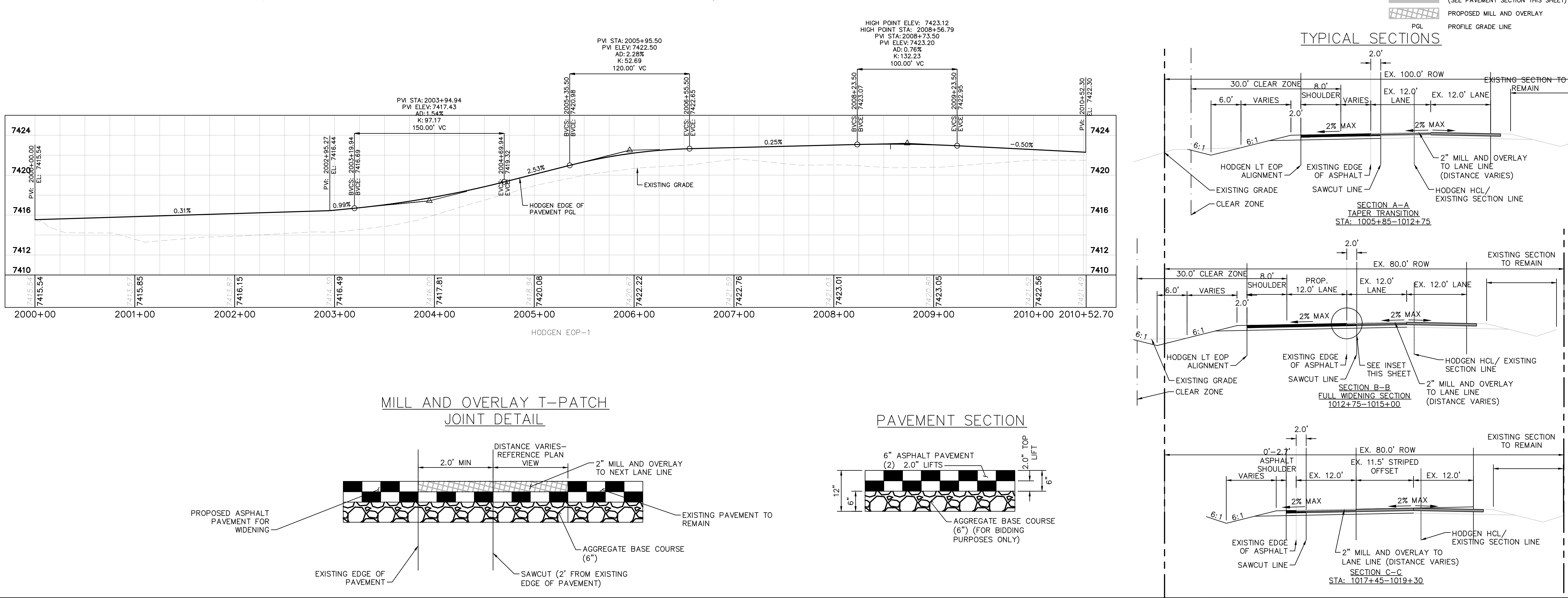
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2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903
PHONE: 719-453-0180
WWW.KIMLEY-HORN.COM

REVISIONS

No.

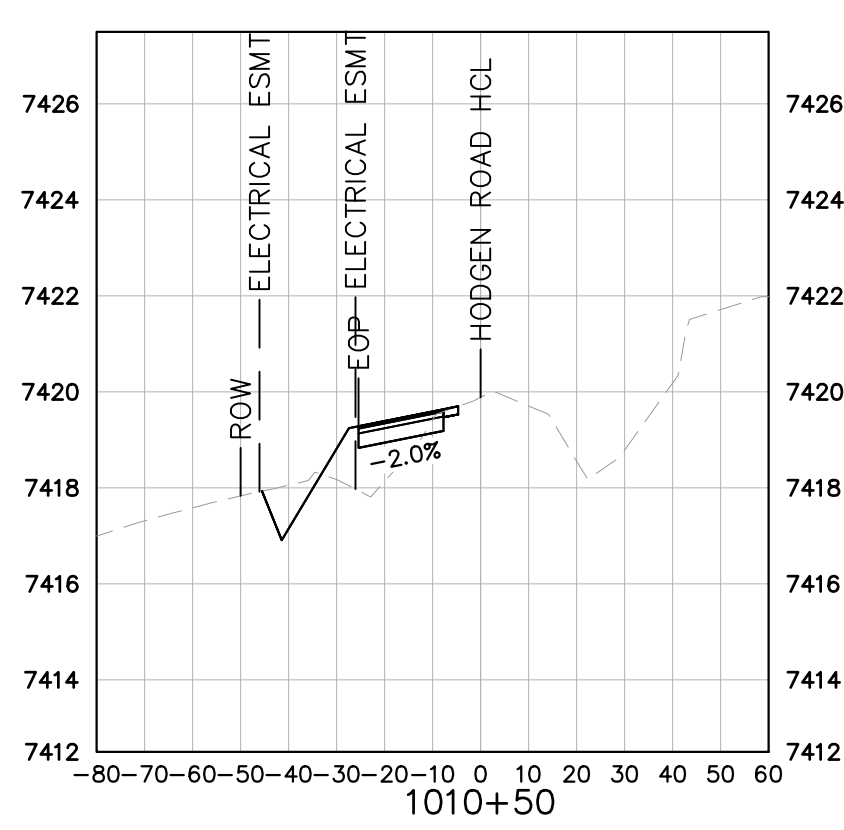
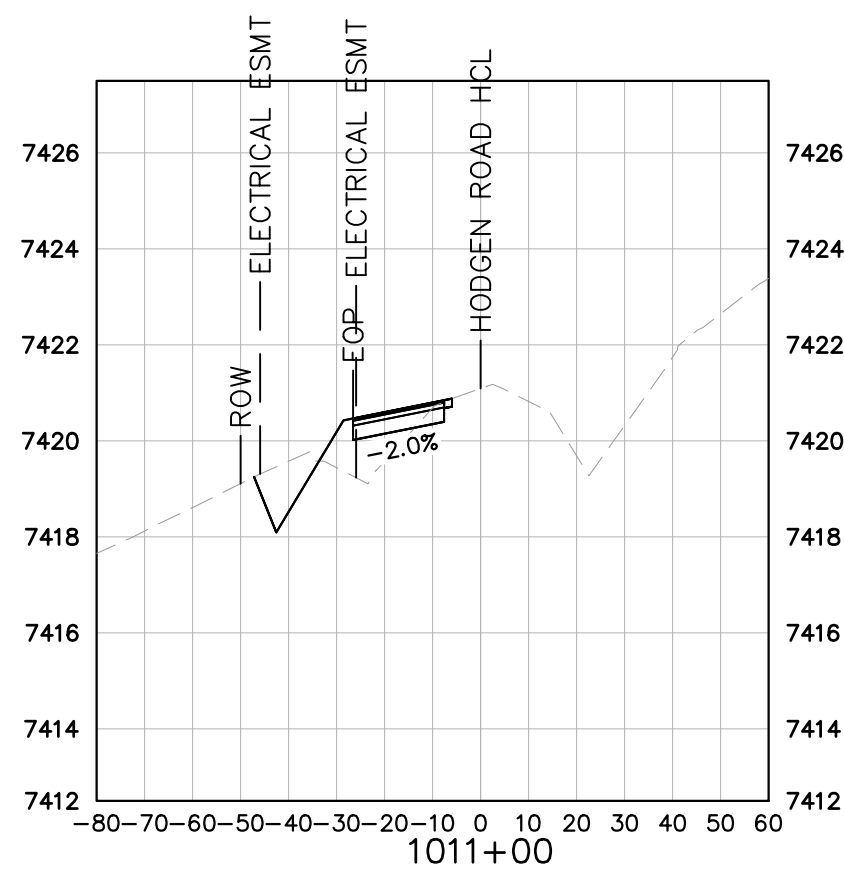
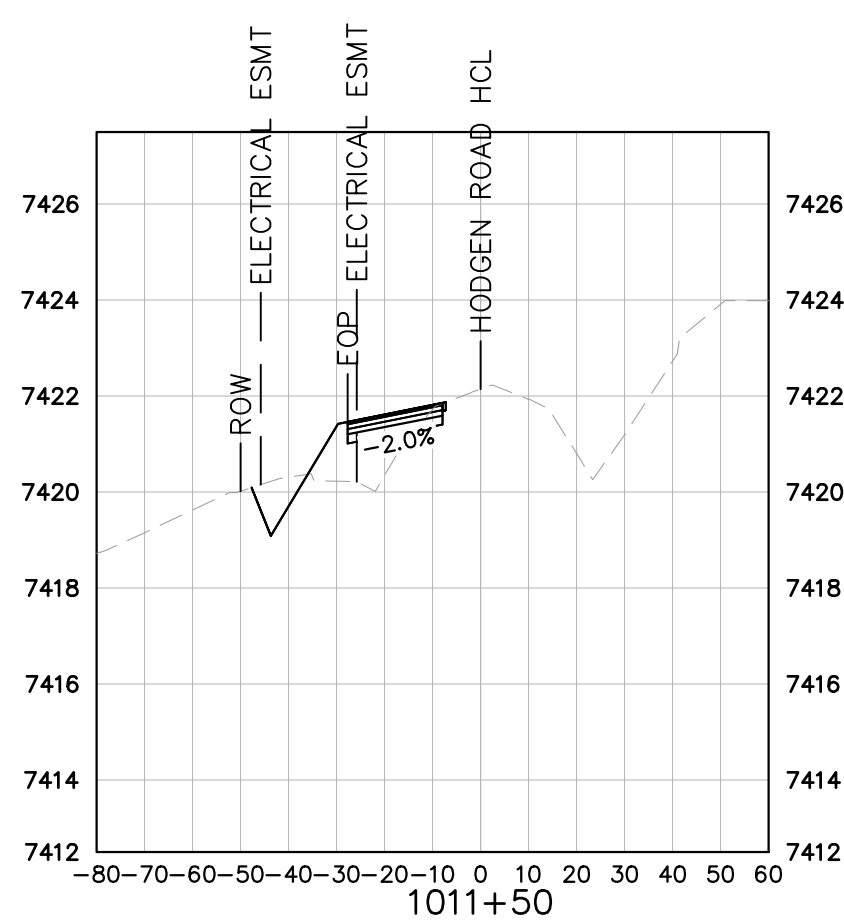
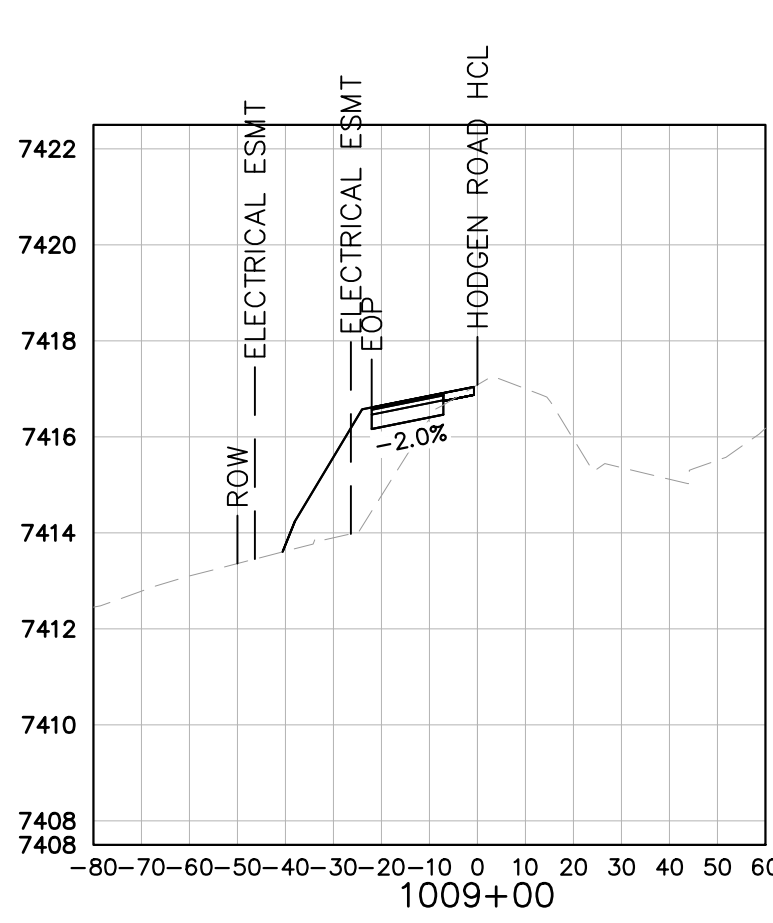
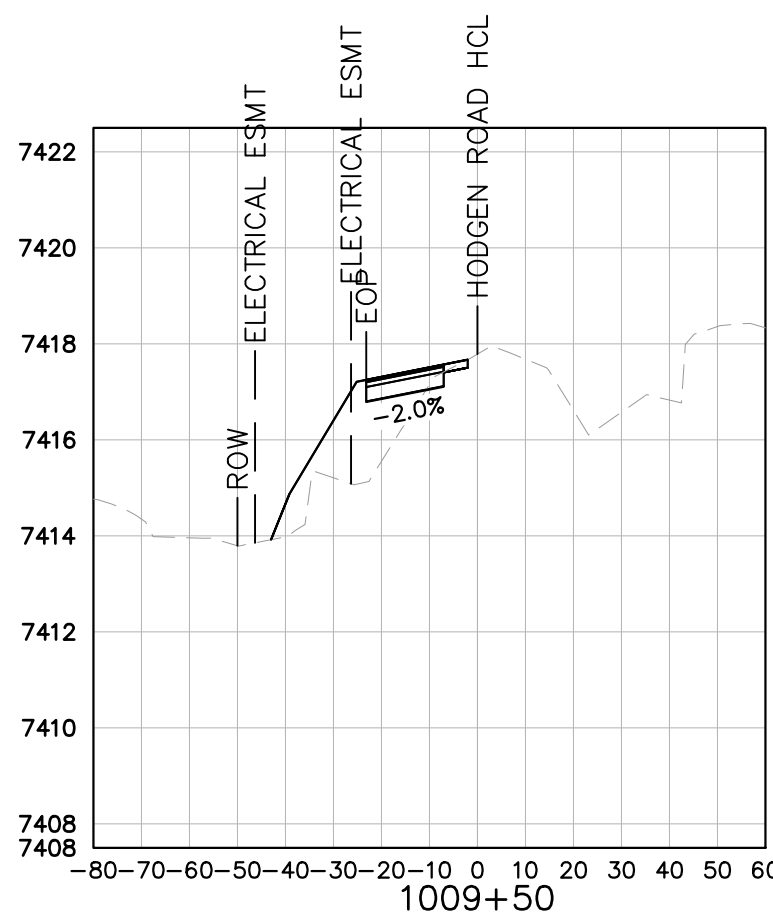
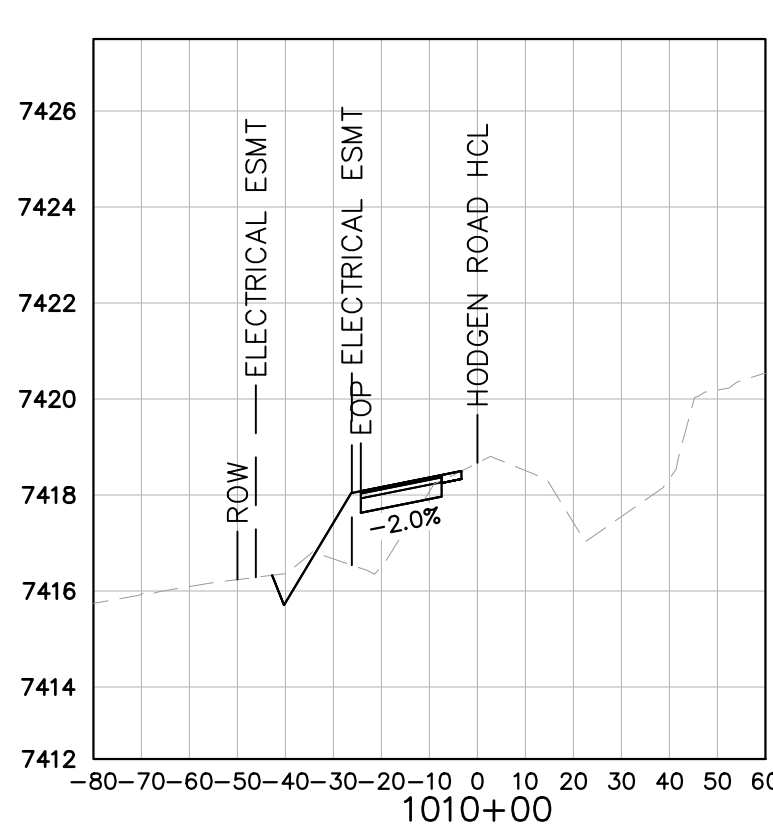
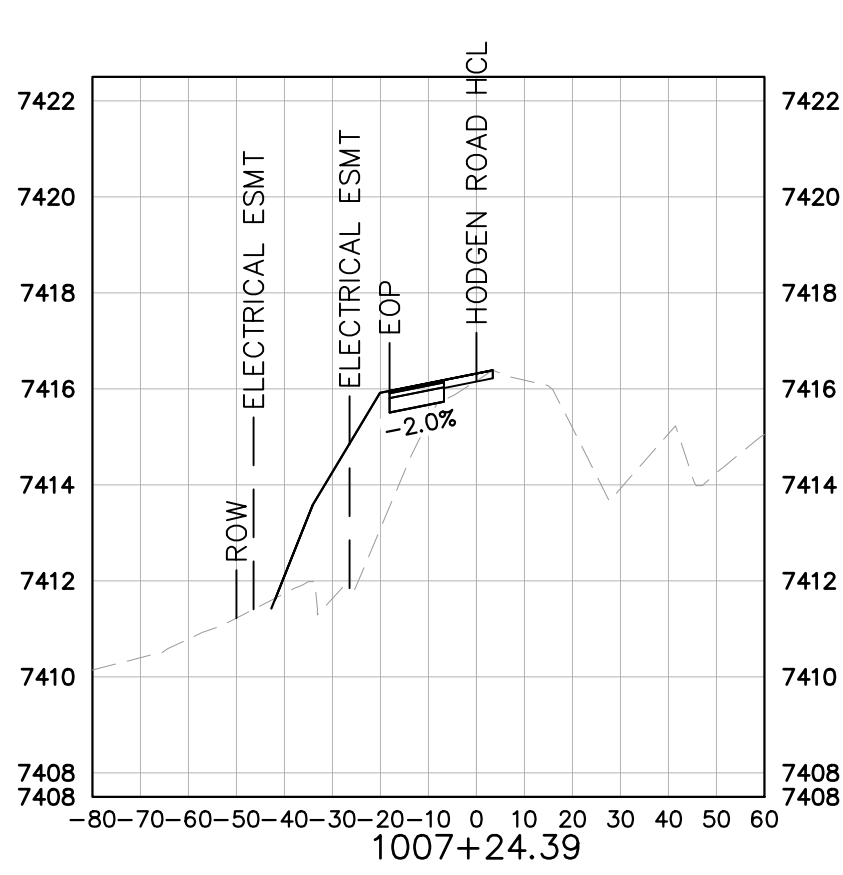
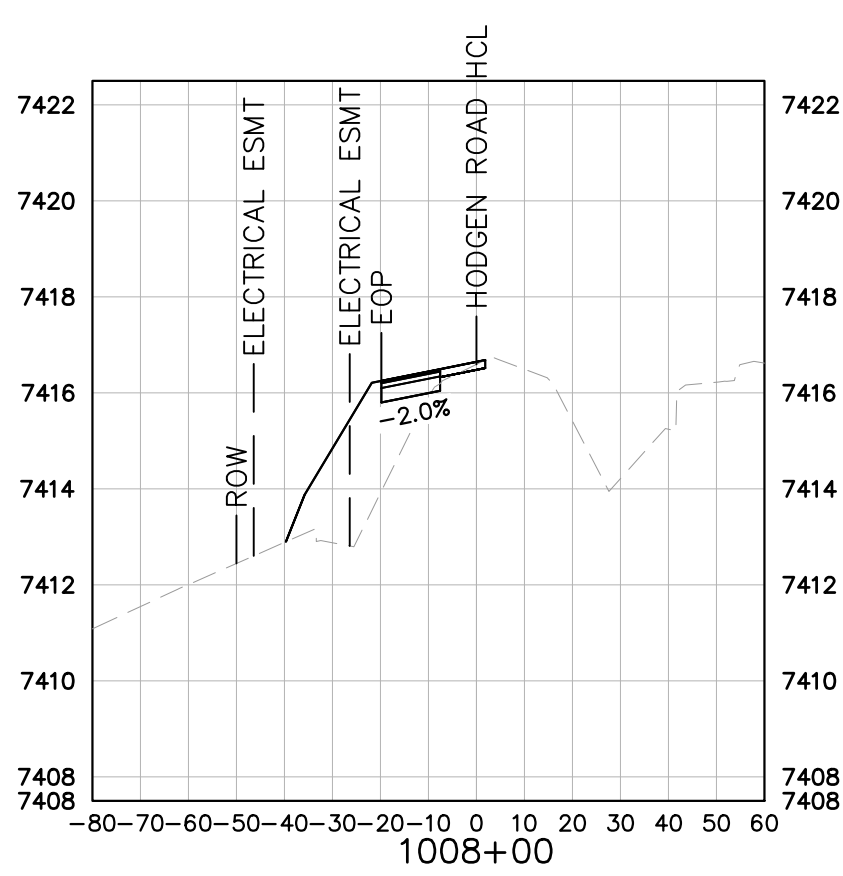
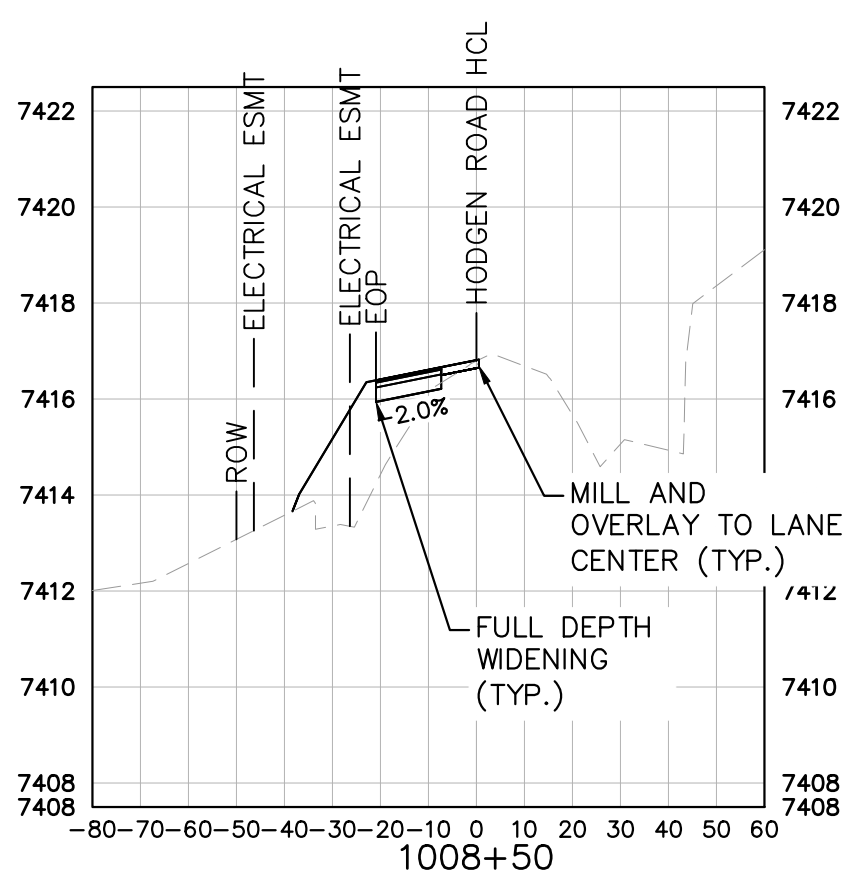
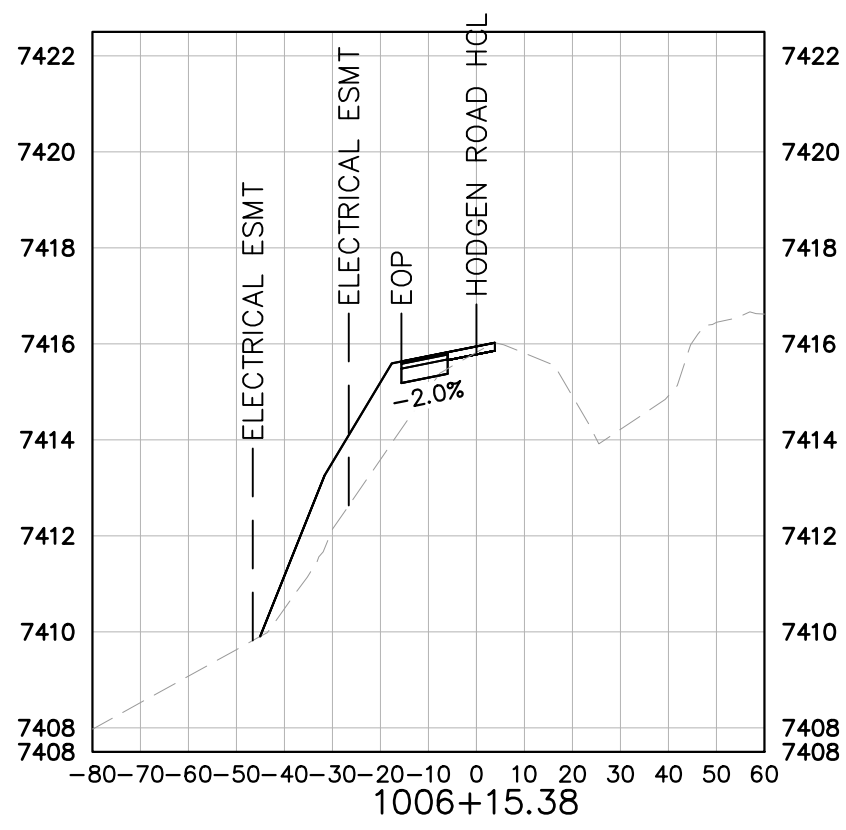
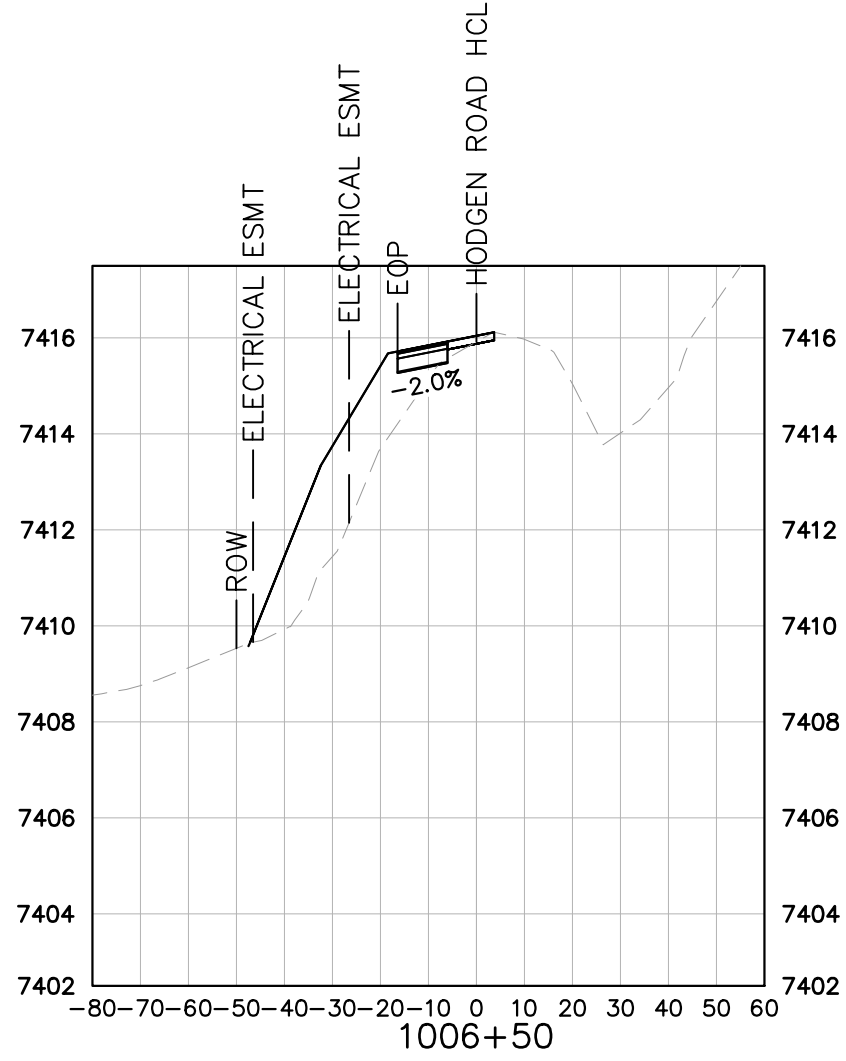
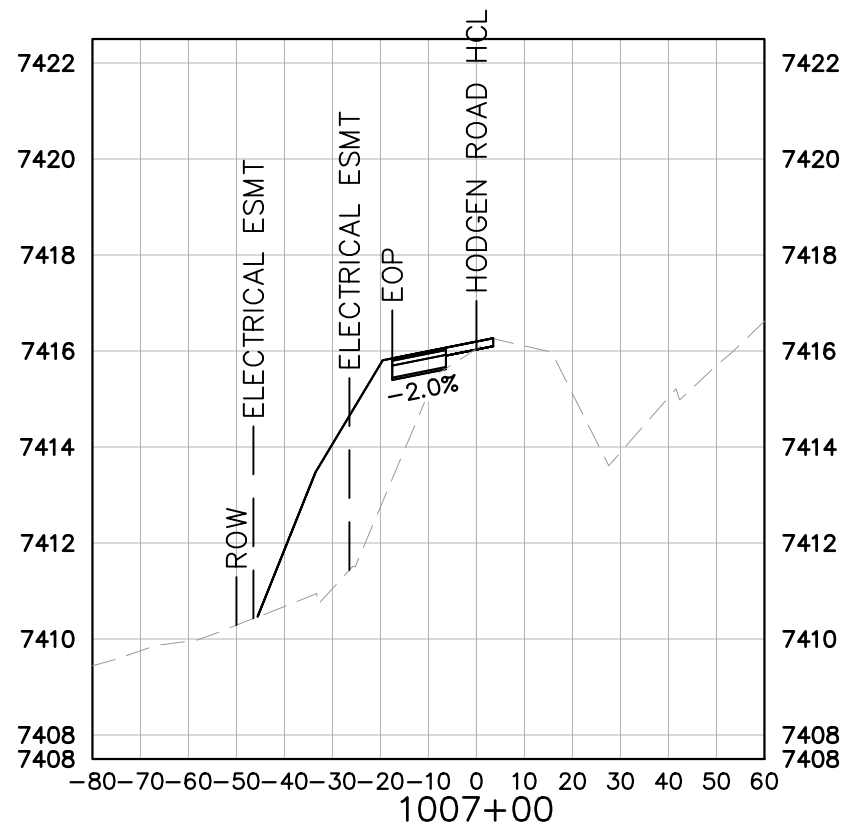
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DATE



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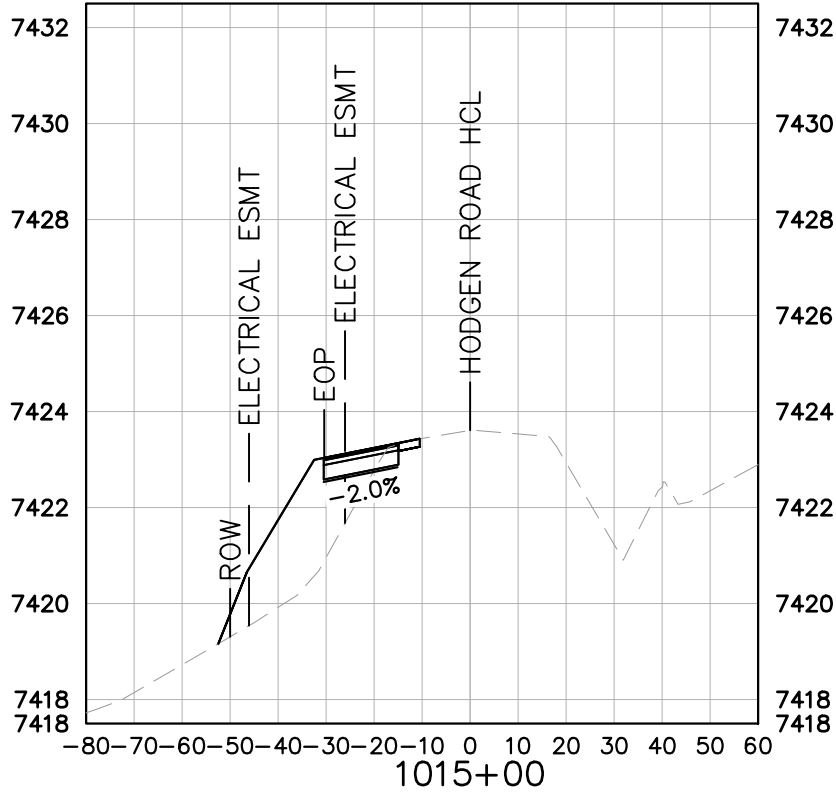
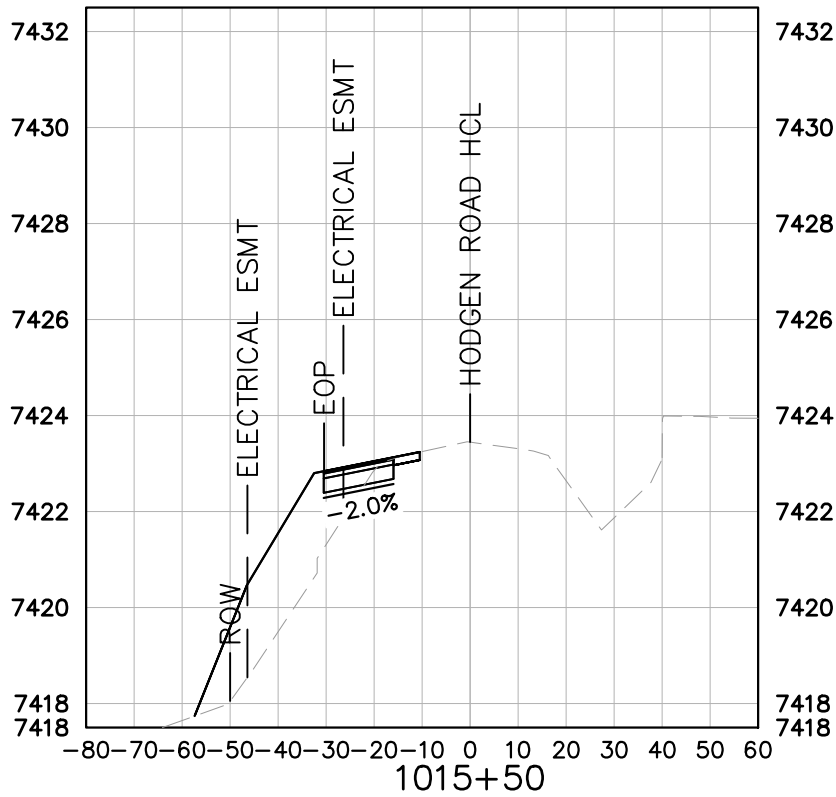
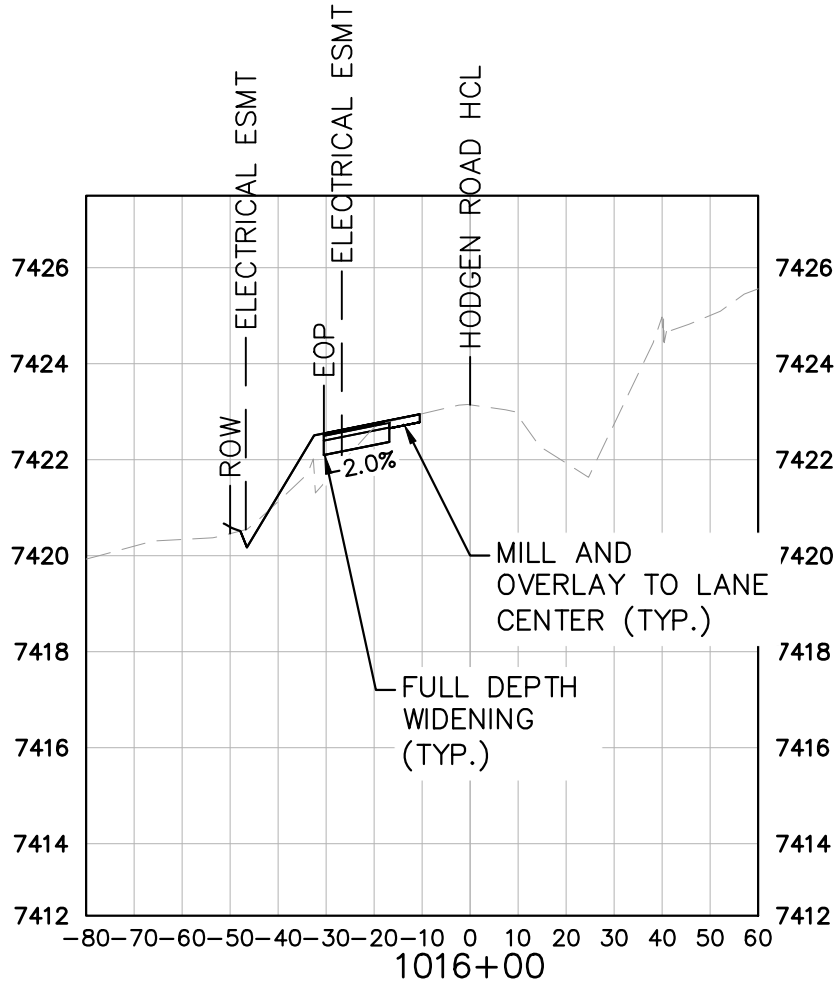
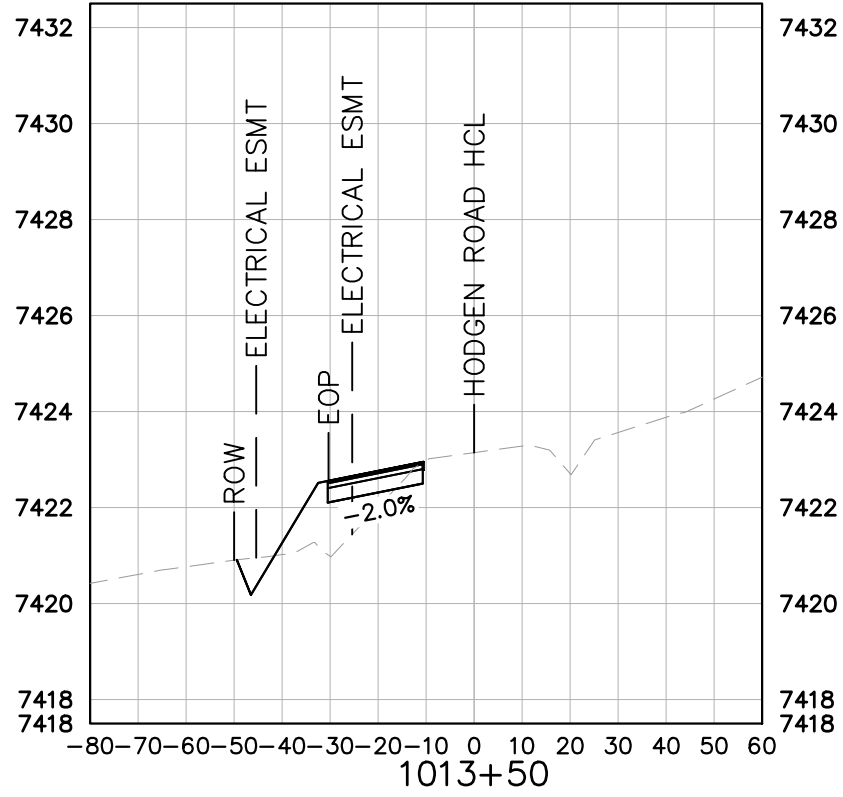
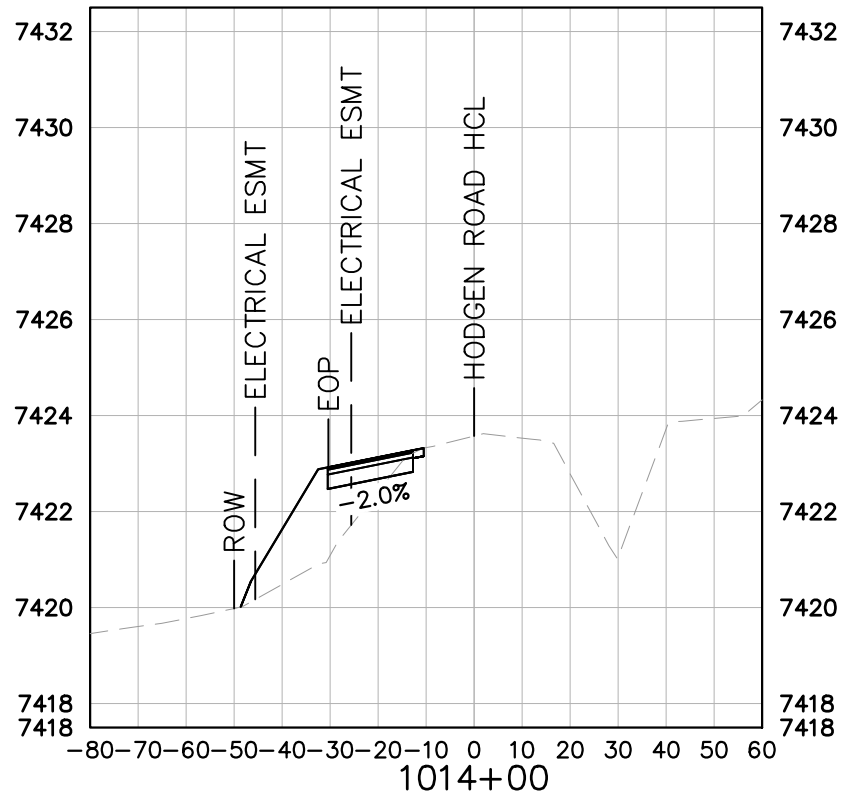
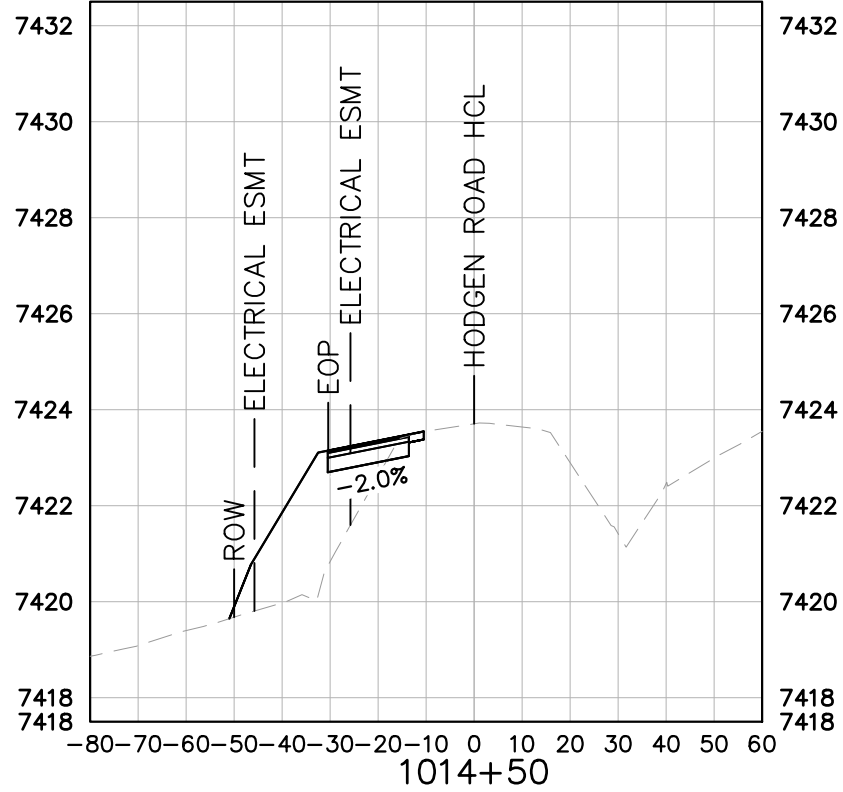
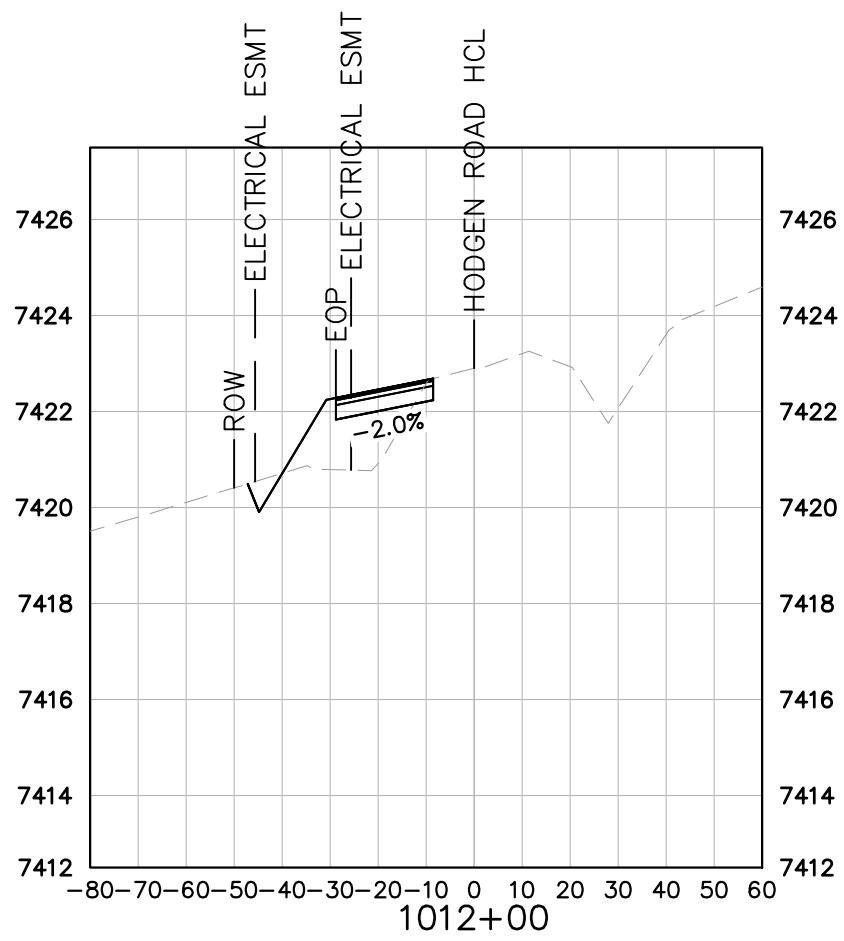
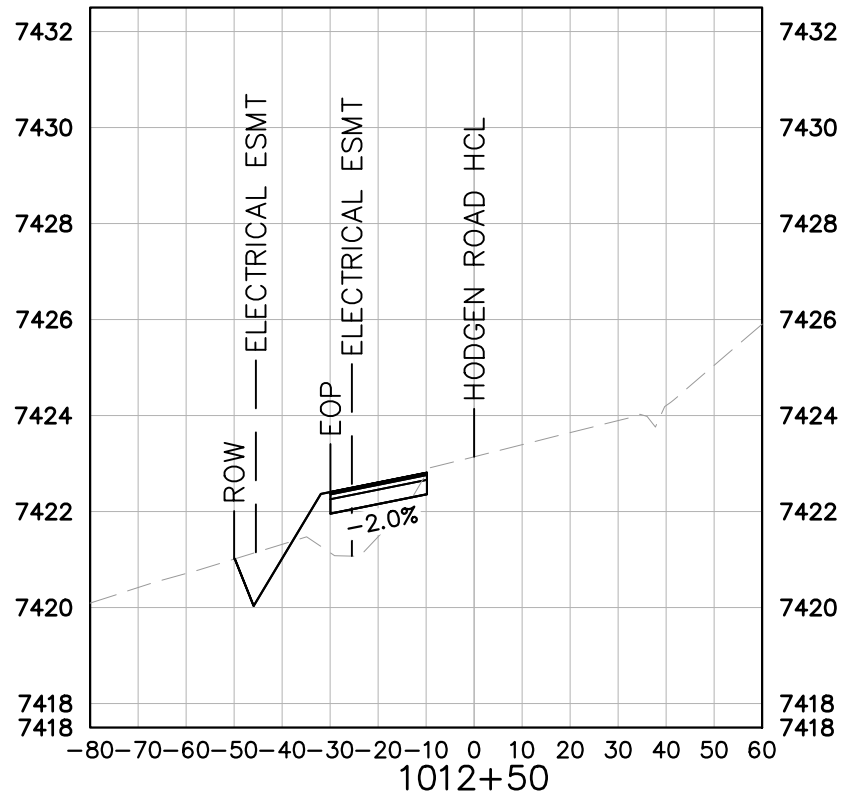
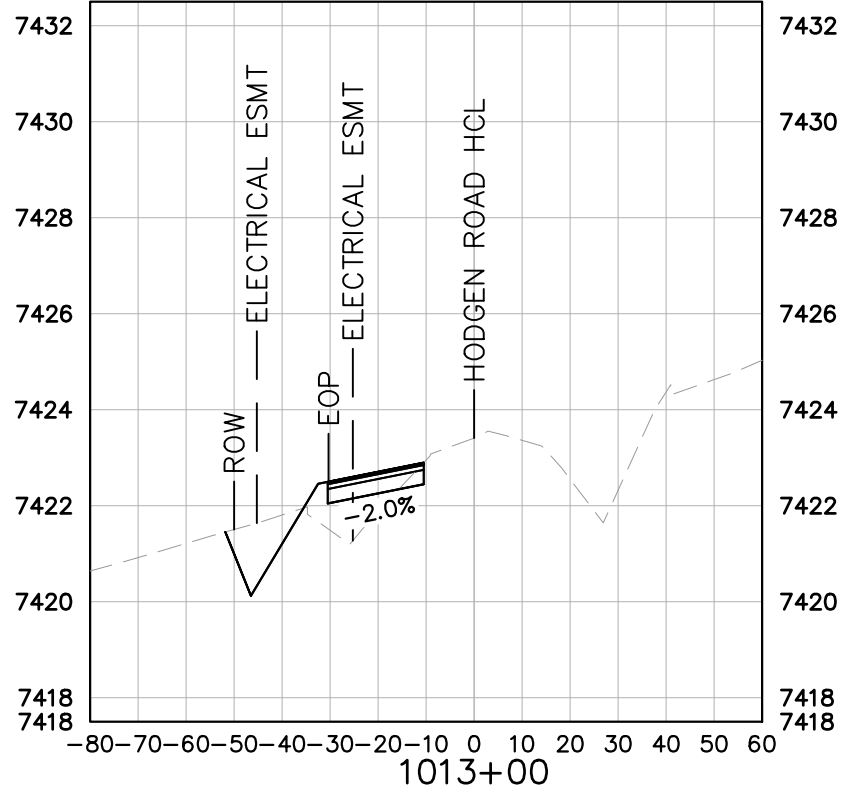


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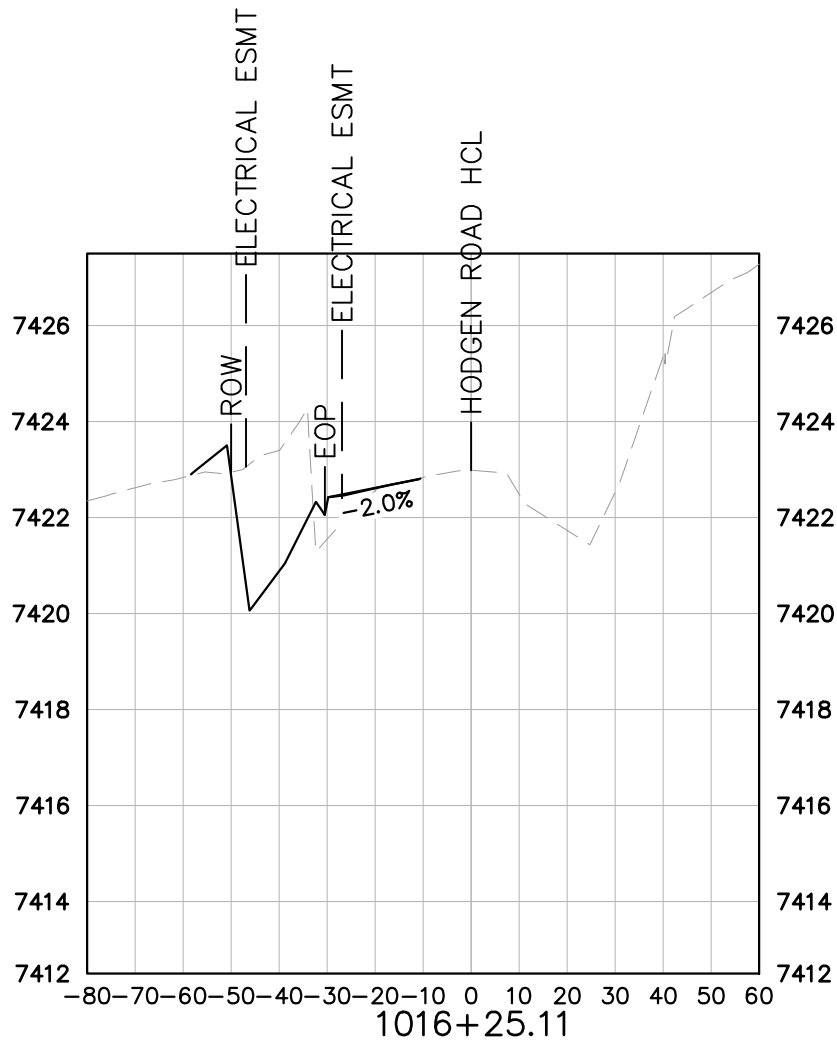
WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC	HODGEN ROAD CROSS SECTIONS	KHA PROJECT 019610600 DATE 05/13/2021 SCALE AS SHOWN DESIGNED BY KHTAM DRAWN BY KHTAM CHECKED BY _____ TLC DATE: _____	LICENSED PROFESSIONAL KEVIN KOFFORD CO LICENSE NUMBER 57234	Kimley»Horn © 2021 KIMLEY-HORN AND ASSOCIATES, INC. 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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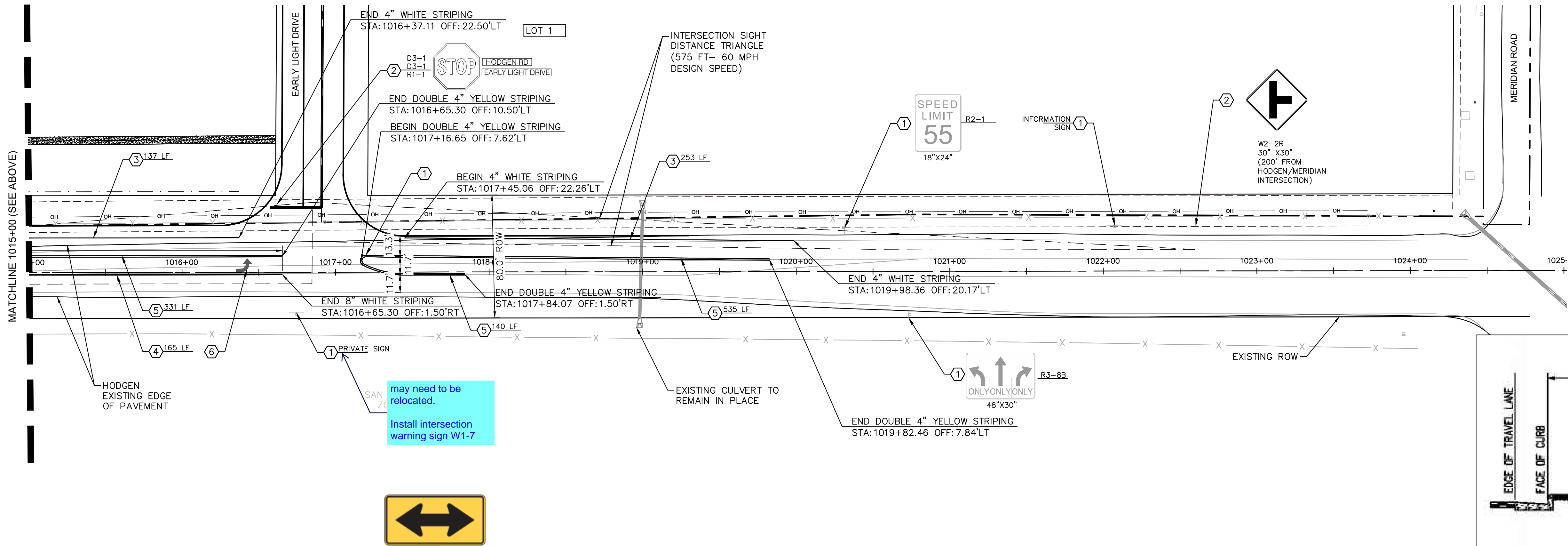
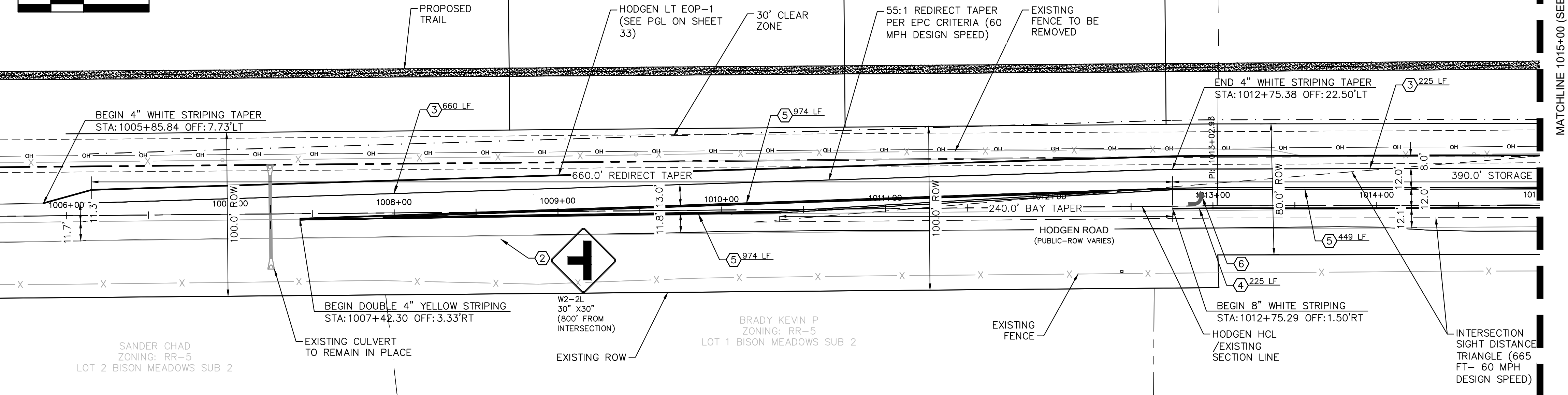
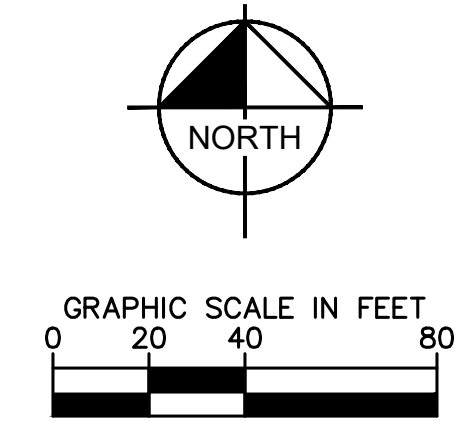


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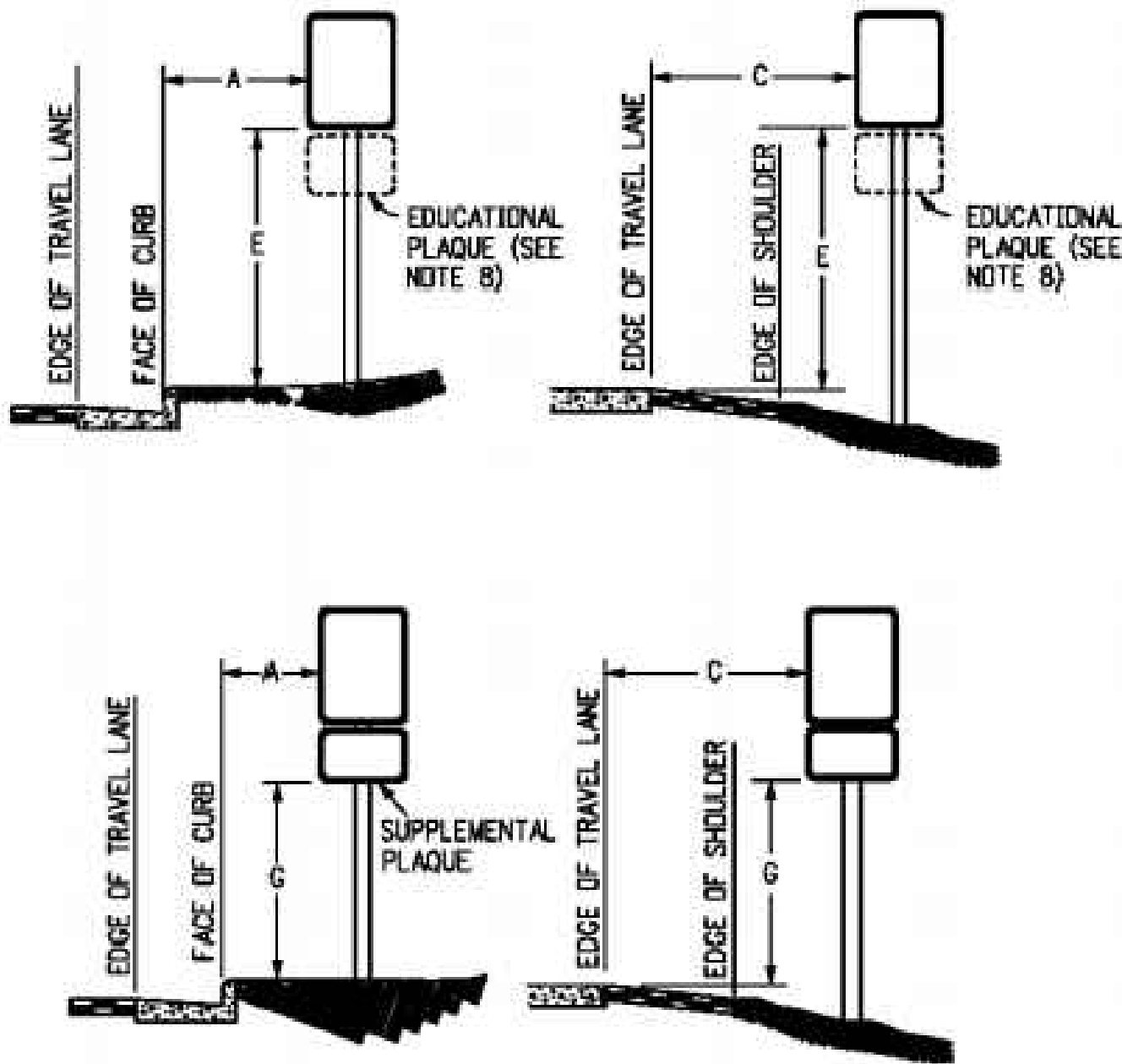
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W1-7

PLACEMENT TABLES

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



REGULATORY, RECREATIONAL AND CULTURAL INFORMATION SIGN PLACEMENT

SIGNING AND STRIPING NOTES

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

NOTES

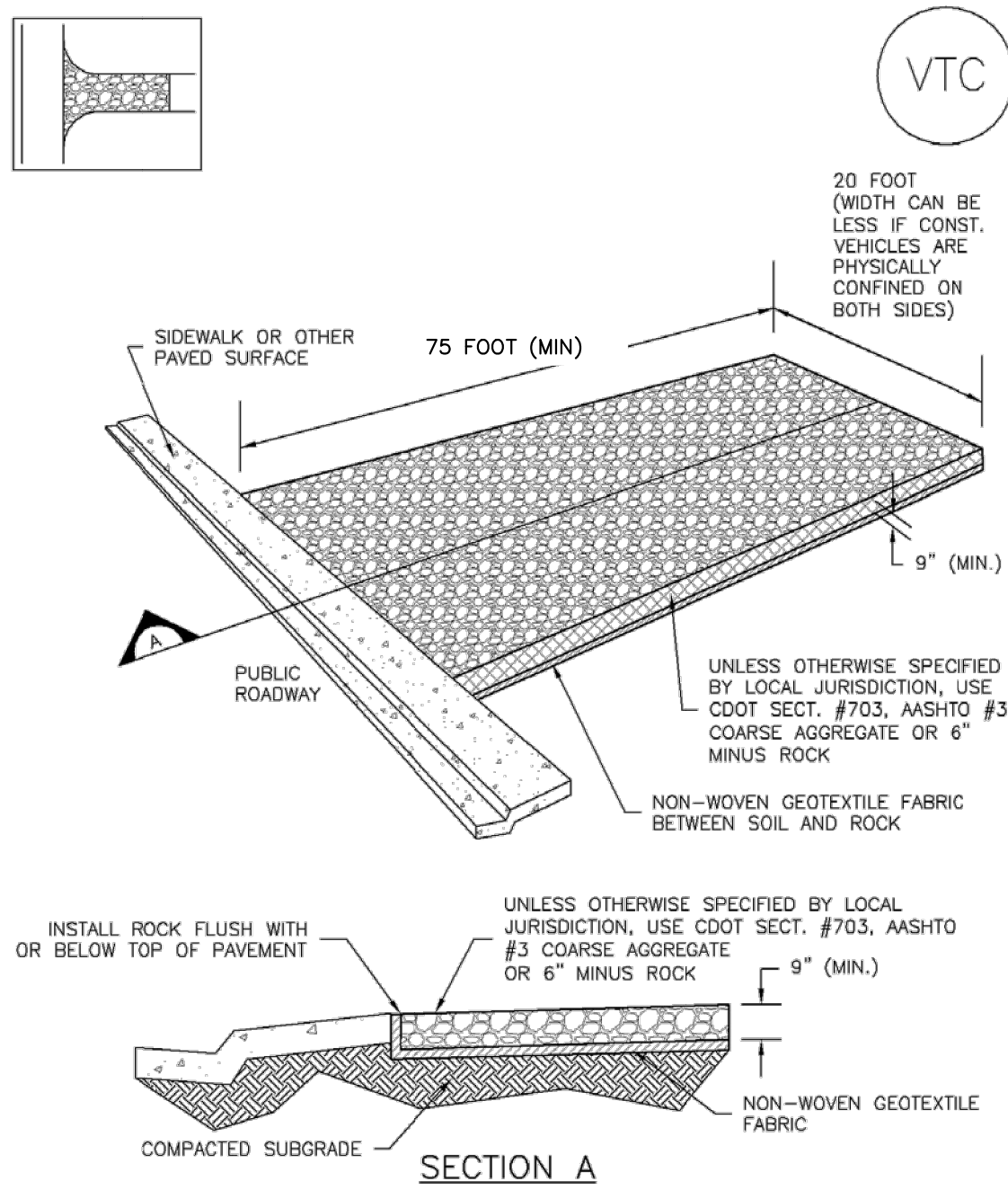
- STATIONS AND OFFSETS ARE BASED ON HODGEN ROAD HCL UNLESS OTHERWISE NOTED.
- ALL LANE LINES ARE PROPOSED TO BE EPOXY. ANY PROPOSED STOP BARS SHALL BE THERMOPLASTIC.
- ALL PAVEMENT MARKINGS SHALL BE INSTALLED PER CDOT S-627-1 STANDARD DETAIL.
- SIGN MOUNTING SHALL BE INSTALLED PER CDOT S-614-1, S-614-3 (CLASS II GROUND MOUNT SIGN) STANDARD DETAILS.
- 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.

KHA PROJECT 019610600		LICENSED PROFESSIONAL	KIMLEY-HORN AND ASSOCIATES, INC. 2 N NEVADA AVE SUITE 300, COLORADO SPRINGS, CO 80903 PHONE: 719-453-0180 WWW.KIMLEY-HORN.COM	
DATE 05/13/2021	SCALE AS SHOWN	DESIGNED BY KHTAM	CHECKED BY TLC	DATE ---
HODGEN ROAD SIGNAGE AND STRIPING		WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC		
SHEET NUMBER 36		EL PASO COUNTY		

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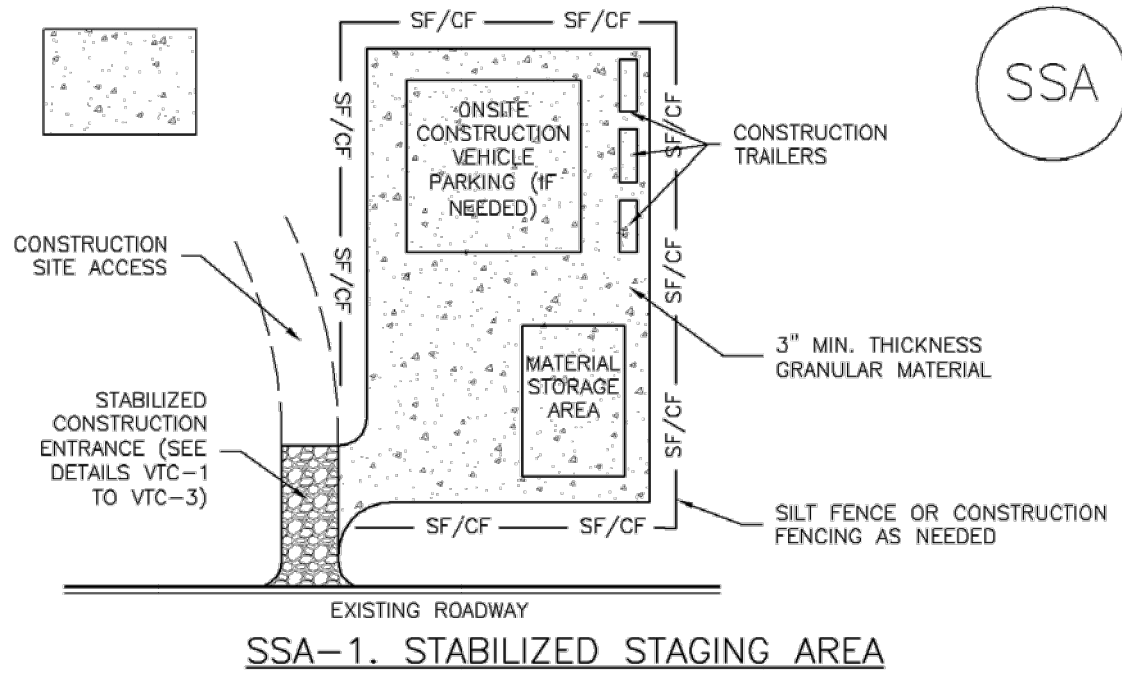
Vehicle Tracking Control (VTC) SM-4



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)/EXIT(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 November 2010
Urban Storm Drainage Criteria Manual Volume 3

SM-6 Stabilized Staging Area (SSA)

STABILIZED STAGING AREA MAINTENANCE NOTES

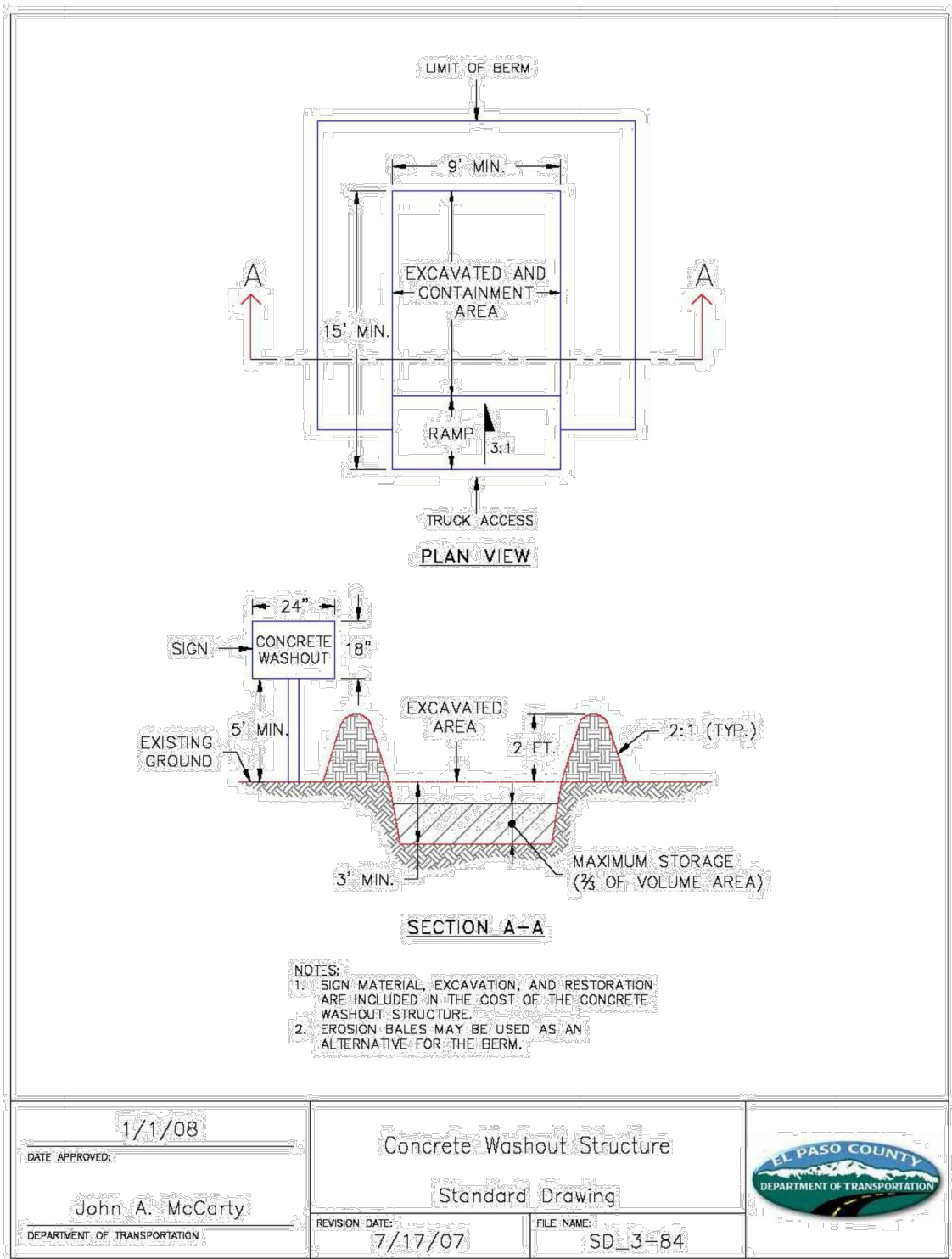
5. STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.
6. THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE, AND THE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

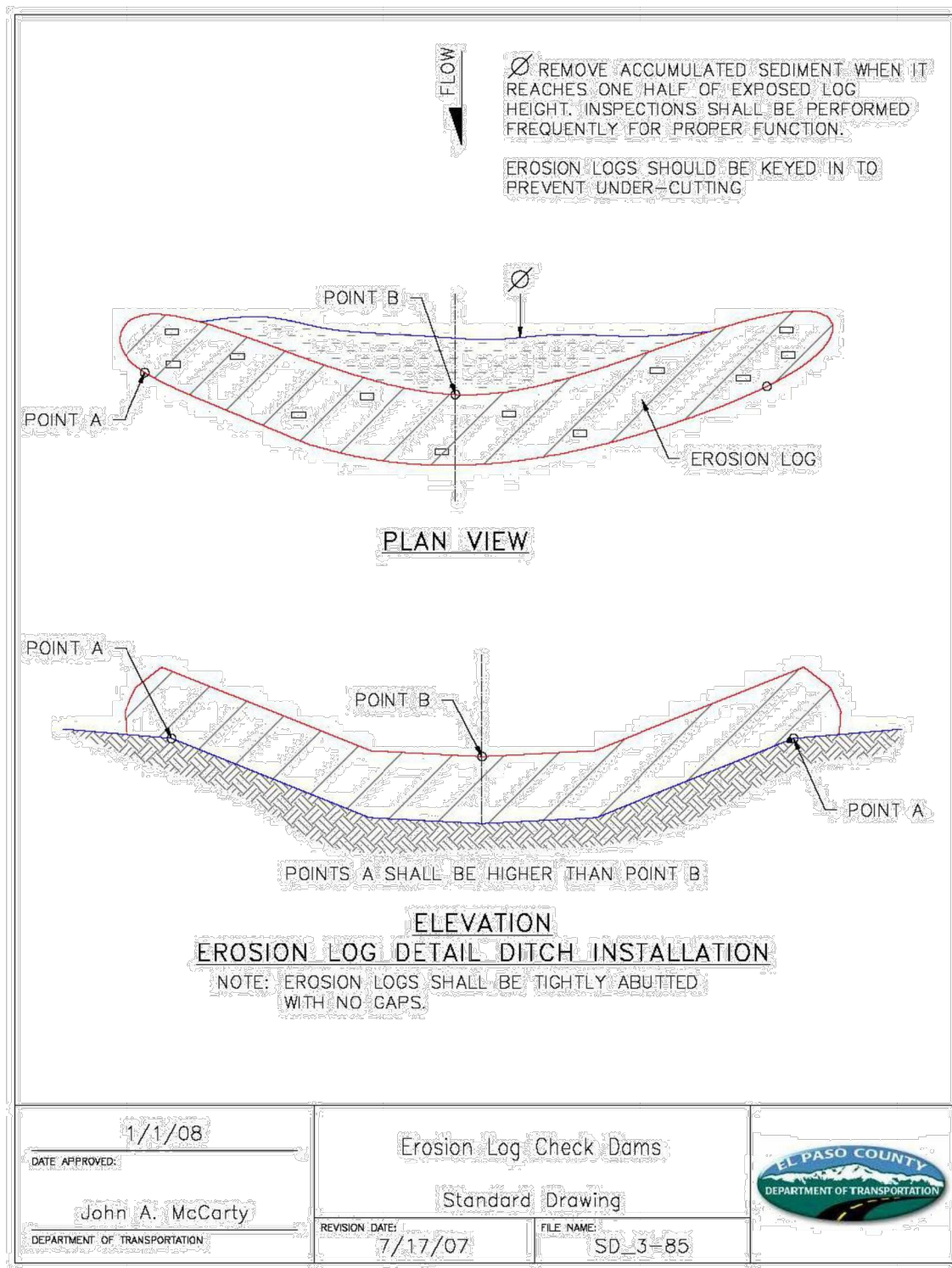
NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

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

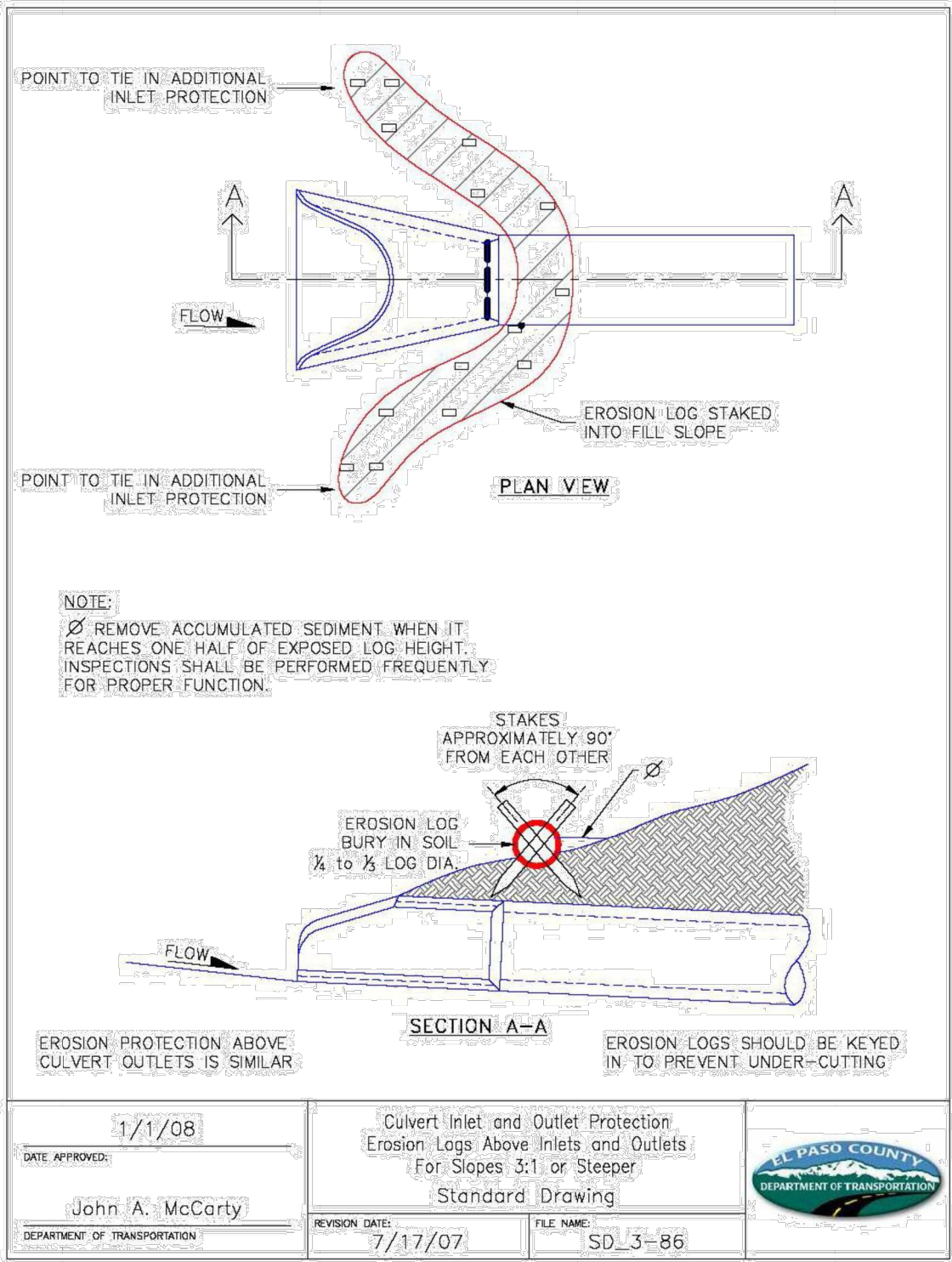
SSA-4 Urban Drainage and Flood Control District November 2010
Urban Storm Drainage Criteria Manual Volume 3



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

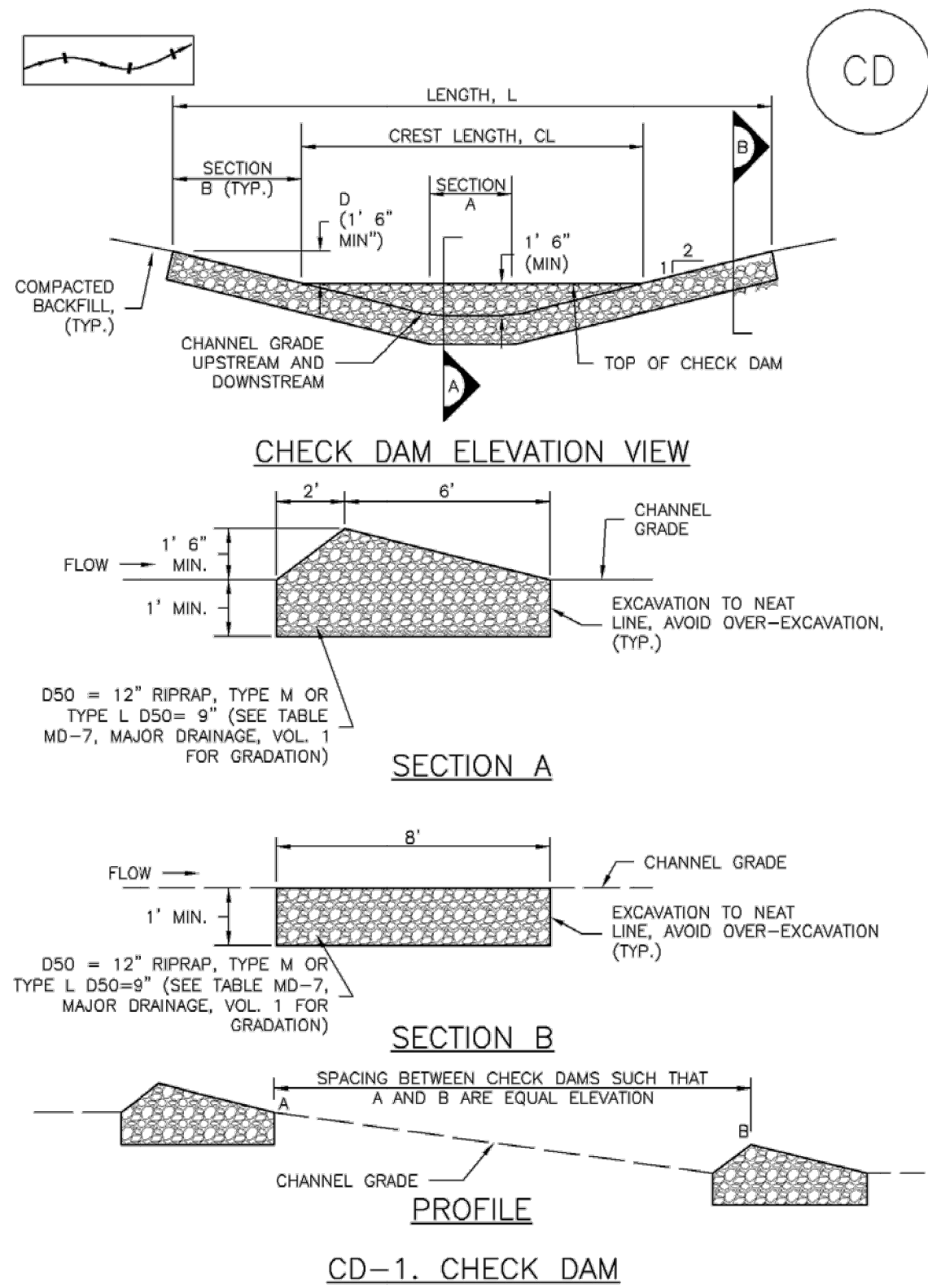


DATE APPROVED: 1/1/08	Culvert Inlet and Outlet Protection	EL PASO COUNTY DEPARTMENT OF TRANSPORTATION
John A. McCarty	Erosion Logs Above Inlets and Outlets For Slopes 3:1 or Steeper	
DEPARTMENT OF TRANSPORTATION	REVISION DATE: 7/17/07	FILE NAME: SD_3-86

KHA PROJECT 019610600		DATE 05/13/2021		SCALE AS SHOWN		DESIGNED BY KHTAM		DRAWN BY KHTAM		CHECKED BY		TLC DATE: ----		LISCENSED PROFESSIONAL KEVIN KOFFORD CO LICENSE NUMBER 57234		Kimley»Horn		© 2021 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	
EROSION CONTROL DETAILS														WINSOME FILING NO. 2 PREPARED FOR WINSOME LLC		CO		EL PASO COUNTY		SHEET NUMBER 37							

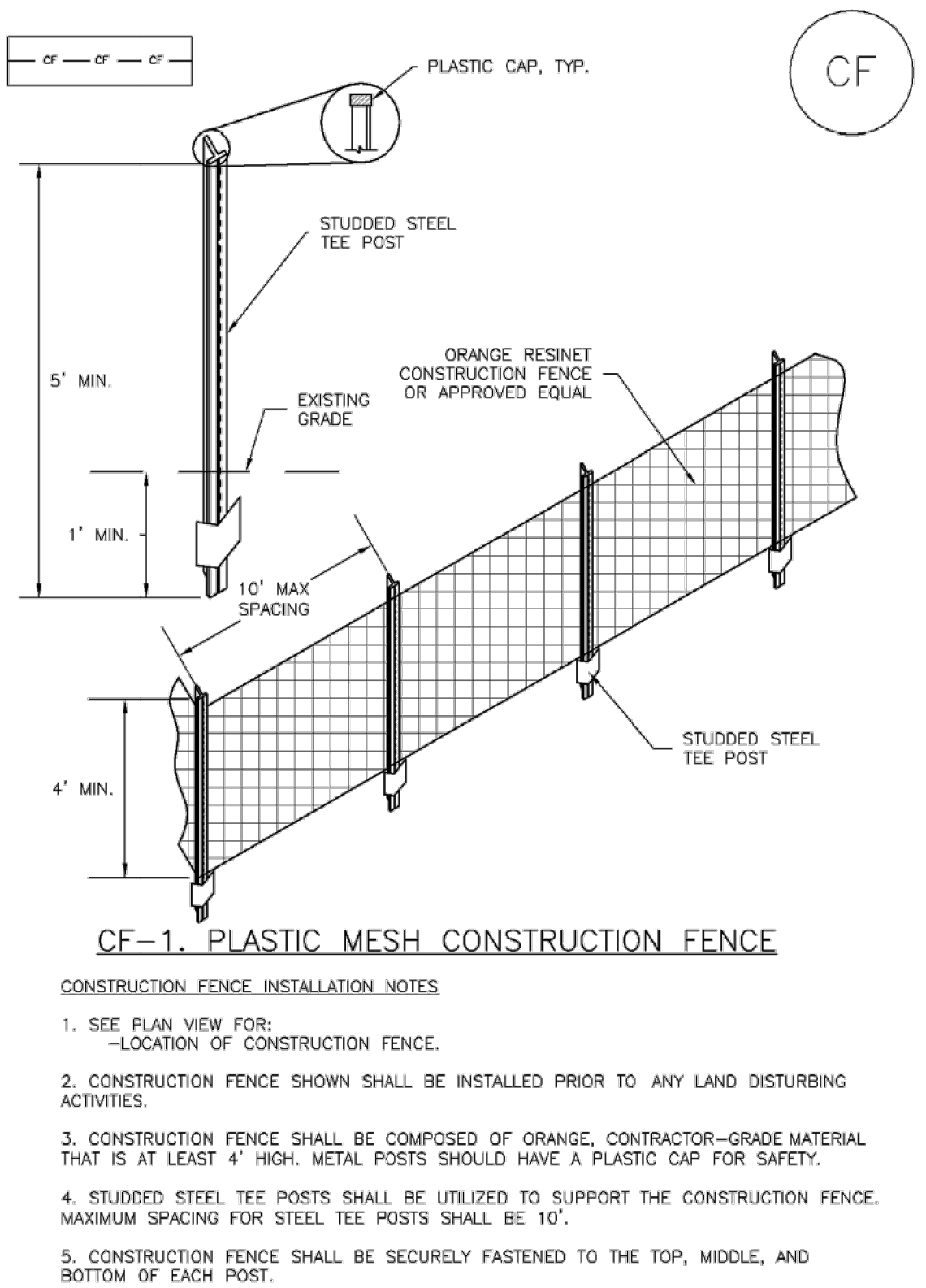
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Check Dams (CD) EC-12



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.

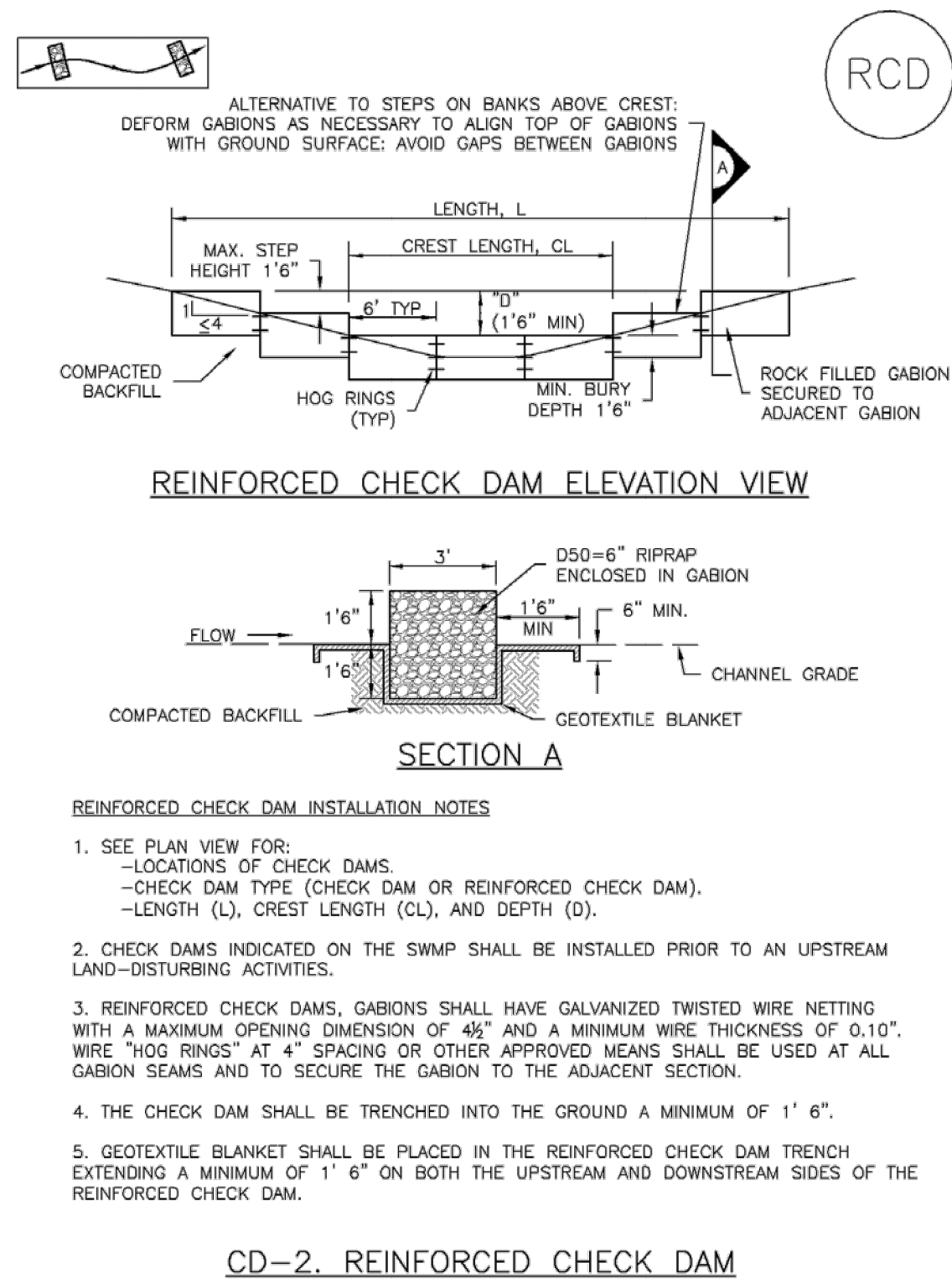
CD-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

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)

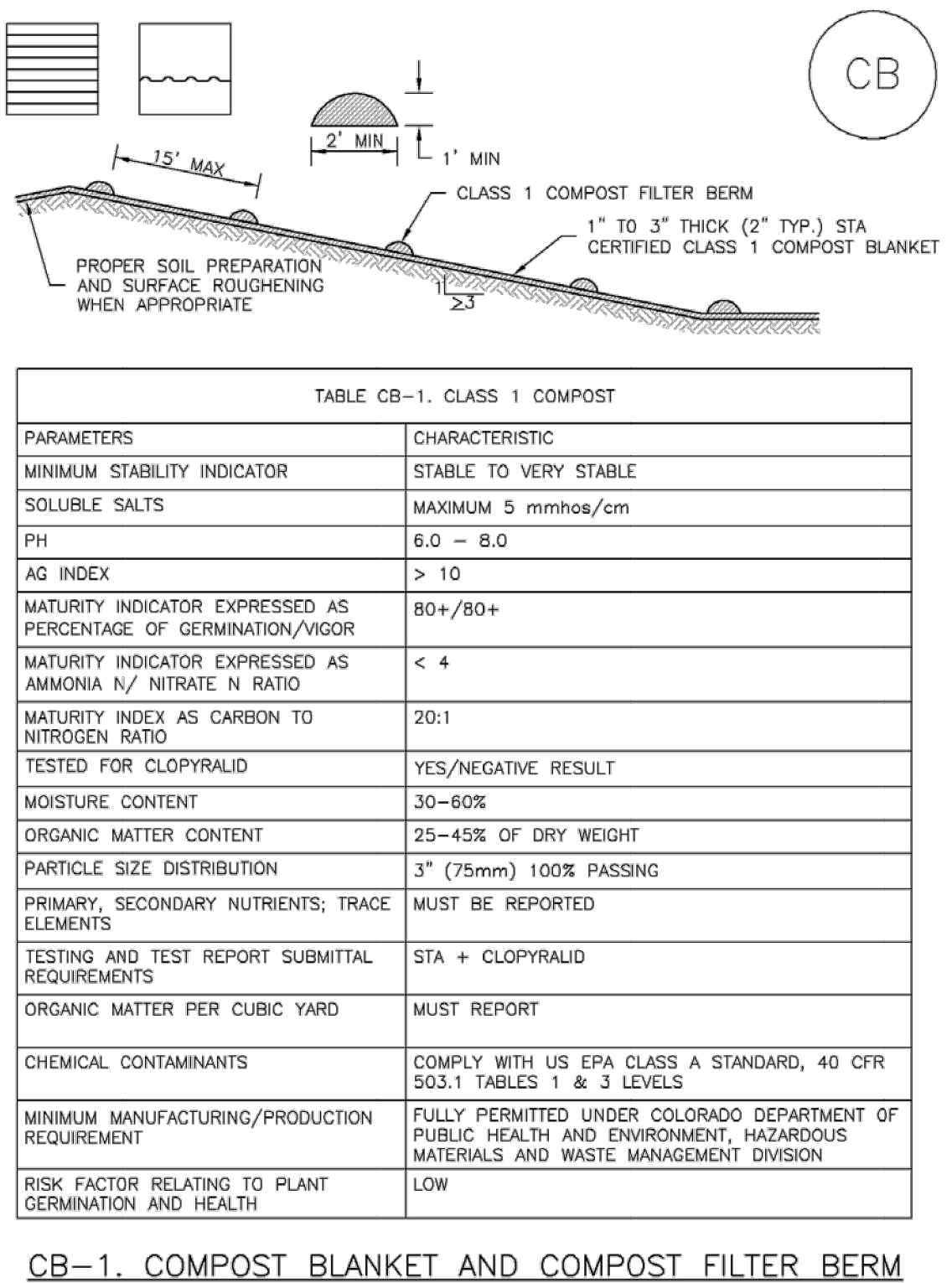
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Check Dams (CD) EC-12



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Compost Blanket and Filter Berm (CB) EC-5



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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.

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EC-5 Compost Blanket and Filter Berm (CB)

- COMPOST FILTER BERMS 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.

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WINSOME FILING NO. 2
PREPARED FOR
WINSOME LLC

EL PASO COUNTY

EROSION CONTROL
DETAILS

CO

Kimley»Horn

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REVISIONS

No.

DATE

BY

KHA PROJECT
0196106000

DATE
05/13/2021

SCALE
AS SHOWN

DESIGNED BY
KHTAM

DRAWN BY
KHTAM

CHECKED BY
TLC

DATE

LICENSED PROFESSIONAL
KEVIN KOFFORD

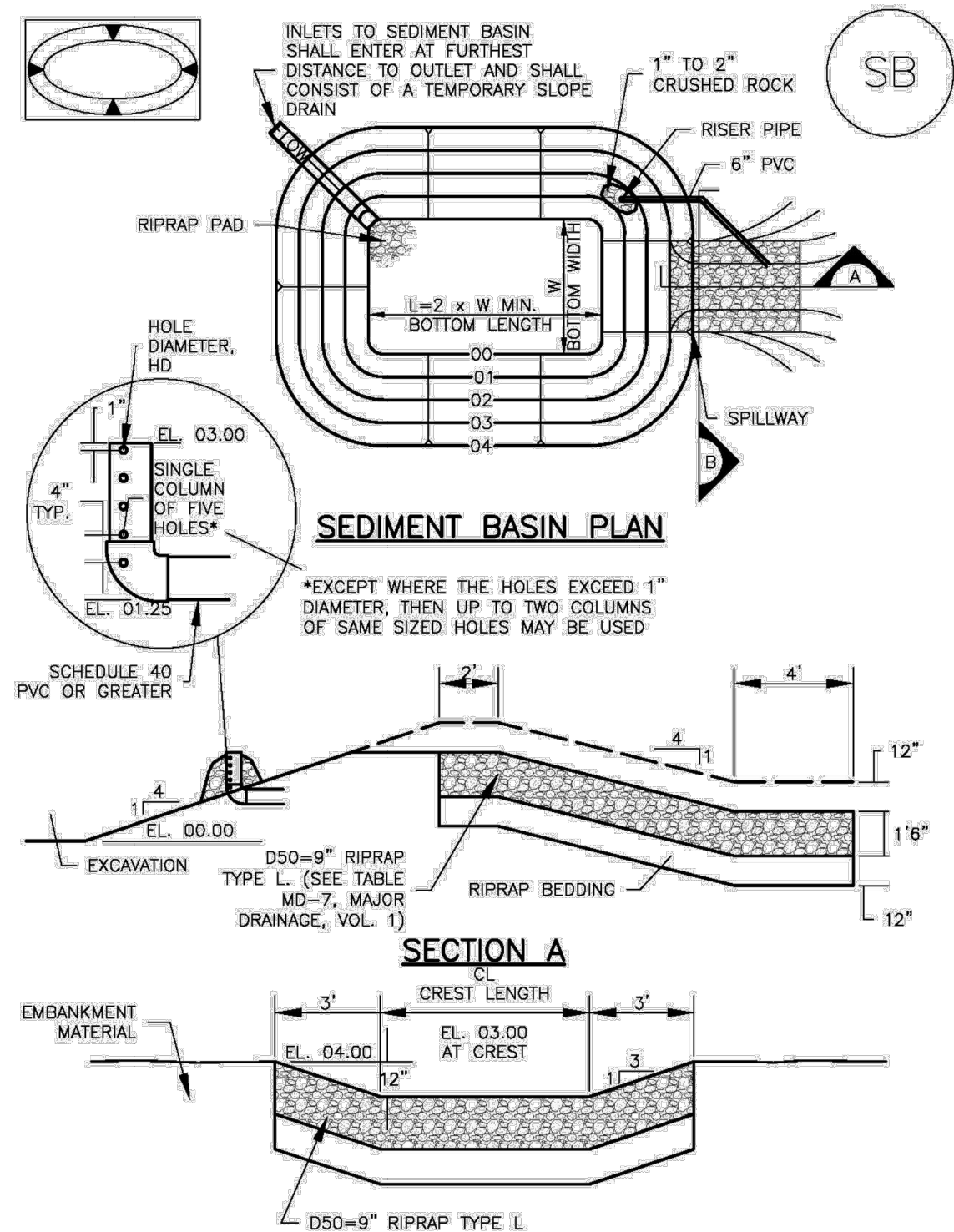
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Sediment Basin (SB)

SC-7



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SB-5

SC-1

Silt Fence (SF)

SILT FENCE INSTALLATION NOTES

1. SILT FENCE MUST BE PLACED AWAY FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER PONDING. SILT FENCE AT THE TOE OF A SLOPE SHOULD BE INSTALLED IN A FLAT LOCATION AT LEAST SEVERAL FEET (2-5 FT) FROM THE TOE OF THE SLOPE TO ALLOW ROOM FOR PONDING AND DEPOSITION.
2. A UNIFORM 6" X 4" ANCHOR TRENCH SHALL BE EXCAVATED USING TRENCHER OR SILT FENCE INSTALLATION DEVICE. NO ROAD GRADERS, BACKHOES, OR SIMILAR EQUIPMENT SHALL BE USED.
3. COMPACT ANCHOR TRENCH BY HAND WITH A "JUMPING JACK" OR BY WHEEL ROLLING. COMPACTION SHALL BE SUCH THAT SILT FENCE RESISTS BEING PULLED OUT OF ANCHOR TRENCH BY HAND.
4. SILT FENCE SHALL BE PULLED TIGHT AS IT IS ANCHORED TO THE STAKES. THERE SHOULD BE NO NOTICEABLE SAG BETWEEN STAKES AFTER IT HAS BEEN ANCHORED TO THE STAKES.
5. SILT FENCE FABRIC SHALL BE ANCHORED TO THE STAKES USING 1" HEAVY DUTY STAPLES OR NAILS WITH 1" HEADS. STAPLES AND NAILS SHOULD BE PLACED 3" ALONG THE FABRIC DOWN THE STAKE.
6. AT THE END OF A RUN OF SILT FENCE ALONG A CONTOUR, THE SILT FENCE SHOULD BE TURNED PERPENDICULAR TO THE CONTOUR TO CREATE A "J-HOOK." THE "J-HOOK" EXTENDING PERPENDICULAR TO THE CONTOUR SHOULD BE OF SUFFICIENT LENGTH TO KEEP RUNOFF FROM FLOWING AROUND THE END OF THE SILT FENCE (TYPICALLY 10' - 20').
7. SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

SILT FENCE 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. SEDIMENT ACCUMULATED UPSTREAM OF THE SILT FENCE SHALL BE REMOVED AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 6".
5. REPAIR OR REPLACE SILT FENCE WHEN THERE ARE SIGNS OF WEAR, SUCH AS SAGGING, TEARING, OR COLLAPSE.
6. SILT FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION, OR IS REPLACED BY AN EQUIVALENT PERIMETER SEDIMENT CONTROL BMP.
7. WHEN SILT FENCE IS REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, 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.

SF-4

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SC-7

Sediment Basin (SB)

TABLE SB-1. SIZING INFORMATION FOR STANDARD SEDIMENT BASIN				
Upstream Drainage Area (rounded to nearest acre), (ac)	Basin Bottom Width (W), (ft)	Spillway Crest Length (CL), (ft)	Hole Diameter (HD), (in)	
1	12 1/2	2	2 1/2	1 1/2
2	21	3	3 1/2	2 1/2
3	28	4	4 1/2	3 1/2
4	33 1/2	6	5 1/2	4 1/2
5	38 1/2	8	6 1/2	5 1/2
6	43	9	7 1/2	6 1/2
7	47 1/2	11	8 1/2	7 1/2
8	51	12	9 1/2	8 1/2
9	55	13	10 1/2	9 1/2
10	58 1/2	15	11 1/2	10 1/2
11	61	16	12 1/2	11 1/2
12	64	18	13 1/2	12 1/2
13	67 1/2	19	14 1/2	13 1/2
14	70 1/2	21	15 1/2	14 1/2
15	73 1/2	22	16 1/2	15 1/2

SEDIMENT BASIN INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
 - LOCATION OF SEDIMENT BASIN.
 - TYPE OF BASIN (STANDARD BASIN OR NONSTANDARD BASIN).
 - FOR STANDARD BASIN, BOTTOM WIDTH W, CREST LENGTH CL, AND HOLE DIAMETER, HD.
 - FOR NONSTANDARD BASIN, SEE CONSTRUCTION DRAWINGS FOR DESIGN OF BASIN INCLUDING RISER HEIGHT H, NUMBER OF COLUMNS N, HOLE DIAMETER HD AND PIPE DIAMETER D.
2. FOR STANDARD BASIN, BOTTOM DIMENSION MAY BE MODIFIED AS LONG AS BOTTOM AREA IS NOT REDUCED.
3. SEDIMENT BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER LAND-DISTURBING ACTIVITY THAT RELIES ON ON BASINS AS AS A STORMWATER CONTROL.
4. EMBANKMENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCKS OR CONCRETE GREATER THAN 3 INCHES AND SHALL HAVE A MINIMUM OF 15 PERCENT BY WEIGHT PASSING THE NO. 200 SIEVE.
5. EMBANKMENT MATERIAL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D698.
6. PIPE SCH 40 OR GREATER SHALL BE USED.
7. THE DETAILS SHOWN ON THESE SHEETS PERTAIN TO STANDARD SEDIMENT BASIN(S) FOR DRAINAGE AREAS LESS THAN 15 ACRES. SEE CONSTRUCTION DRAWINGS FOR EMBANKMENT, STORAGE VOLUME, SPILLWAY, OUTLET, AND OUTLET PROTECTION DETAILS FOR ANY SEDIMENT BASIN(S) THAT HAVE BEEN INDIVIDUALLY DESIGNED FOR DRAINAGE AREAS LARGER THAN 15 ACRES.

Provide details of temporary sediment basin including riser pipe perforation sizing, number of rows, required volume, location of outlet and spillway, and tributary area to the sediment basin.

Unresolved.

SB-6

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EC-2

Temporary and Permanent Seeding (TS/PS)

Table TS/PS-2. Minimum Drill Seeding Rates for Perennial Grasses

Common Name ^a	Botanical Name	Growth Season ^b	Growth Form	Seeds/ Pound	Pounds of PLS/acre
Alkali Soil Seed Mix					
Alkali sacaton	<i>Sporobolus airoides</i>	Cool	Bunch	1,750,000	0.25
Basin wildrye	<i>Elymus cinereus</i>	Cool	Bunch	165,000	2.5
Sodar streambank wheatgrass	<i>Agropyron riparium 'Sodar'</i>	Cool	Sod	170,000	2.5
Jose tall wheatgrass	<i>Agropyron elongatum 'Jose'</i>	Cool	Bunch	79,000	7.0
Arriba western wheatgrass	<i>Agropyron smithii 'Arriba'</i>	Cool	Sod	110,000	5.5
Total					17.75
Fertile Loamy Soil Seed Mix					
Ephrium crested wheatgrass	<i>Agropyron cristatum 'Ephrium'</i>	Cool	Sod	175,000	2.0
Dural hard fescue	<i>Festuca ovina 'duriuscula'</i>	Cool	Bunch	565,000	1.0
Lincoln smooth brome	<i>Bromus inermis leys 'Lincoln'</i>	Cool	Sod	130,000	3.0
Sodar streambank wheatgrass	<i>Agropyron riparium 'Sodar'</i>	Cool	Sod	170,000	2.5
Arriba western wheatgrass	<i>Agropyron smithii 'Arriba'</i>	Cool	Sod	110,000	7.0
Total					15.5
High Water Table Soil Seed Mix					
Meadow foxtail	<i>Alopecurus pratensis</i>	Cool	Sod	900,000	0.5
Redtop	<i>Agrostis alba</i>	Warm	Open sod	5,000,000	0.25
Reed canarygrass	<i>Phalaris arundinacea</i>	Cool	Sod	68,000	0.5
Lincoln smooth brome	<i>Bromus inermis leys 'Lincoln'</i>	Cool	Sod	130,000	3.0
Pathfinder switchgrass	<i>Panicum virgatum 'Pathfinder'</i>	Warm	Sod	389,000	1.0
Alkar tall wheatgrass	<i>Agropyron elongatum 'Alkar'</i>	Cool	Bunch	79,000	5.5
Total					10.75
Transition Turf Seed Mix^c					
Ruebens Canadian bluegrass	<i>Poa compressa 'Ruebens'</i>	Cool	Sod	2,500,000	0.5
Dural hard fescue	<i>Festuca ovina 'duriuscula'</i>	Cool	Bunch	565,000	1.0
Citation perennial ryegrass	<i>Lolium perenne 'Citation'</i>	Cool	Sod	247,000	3.0
Lincoln smooth brome	<i>Bromus inermis leys 'Lincoln'</i>	Cool	Sod	130,000	3.0
Total					7.5

Sediment Basin (SB)

SC-7

SEDIMENT BASIN 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. SEDIMENT ACCUMULATED IN BASIN SHALL BE REMOVED AS NEEDED TO MAINTAIN BMP EFFECTIVENESS. TYPICALLY WHEN SEDIMENT DEPTH REACHES ONE FOOT (I.E., TWO FEET BELOW THE SPILLWAY CREST).
5. SEDIMENT BASINS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS ACCEPTED BY THE LOCAL JURISDICTION.
6. WHEN SEDIMENT BASINS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO)

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.

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SB-7

Temporary and Permanent Seeding (TS/PS)

EC-2

Table TS/PS-2. Minimum Drill Seeding Rates for Perennial Grasses (cont.)

Common Name	Botanical Name	Growth Season ^a	Growth Form	Seeds/ Pound	Pounds of PLS/acre
Sandy Soil Seed Mix					
Blue grama	<i>Bouteloua gracilis</i>	Warm	Sod-forming bunchgrass	825,000	0.5
Camper little bluestem	<i>Schizachyrium scoparium 'Camper'</i>	Warm	Bunch	240,000	1.0
Prairie sandreed	<i>Calamovilfa longifolia</i>	Warm	Open sod	274,000	1.0
Sand dropseed	<i>Sporobolus cryptandrus</i>	Cool	Bunch	5,298,000	0.25
Vaughn sidecoats grama	<i>Bouteloua curtipendula 'Vaughn'</i>	Warm	Sod	191,000	2.0
Arriba western wheatgrass	<i>Agropyron smithii 'Arriba'</i>	Cool	Sod	110,000	5.5
Total					10.25
Heavy Clay, Rocky Foothill Seed Mix					
Ephrium crested wheatgrass ^d	<i>Agropyron cristatum 'Ephrium'</i>	Cool	Sod	175,000	1.5
Oahe Intermediate wheatgrass	<i>Agropyron intermedium 'Oahe'</i>	Cool	Sod	115,000	5.5
Vaughn sidecoats grama ^e	<i>Bouteloua curtipendula 'Vaughn'</i>	Warm	Sod	191,000	2.0
Lincoln smooth brome	<i>Bromus inermis leys 'Lincoln'</i>	Cool	Sod	130,000	3.0
Arriba western wheatgrass	<i>Agropyron smithii 'Arriba'</i>	Cool	Sod	110,000	5.5
Total					17.5

^a All of the above seeding mixes and rates are based on drill seeding followed by crimped straw mulch. These rates should be doubled if seed is broadcast and should be increased by 50 percent if the seeding is done using a Brillion Drill or is applied through hydraulic seeding. Hydraulic seeding may be substituted for drilling only where slopes are steeper than 3:1. If hydraulic seeding is used, hydraulic mulching should be done as a separate operation.

^b See Table TS/PS-3 for seeding dates.

^c If site is to be irrigated, the transition turf seed rates should be doubled.

^d Crested wheatgrass should not be used on slopes steeper than 6H to 1V.

^e Can substitute 0.5 lbs PLS of blue grama for the 2.0 lbs PLS of Vaughn sidecoats grama.

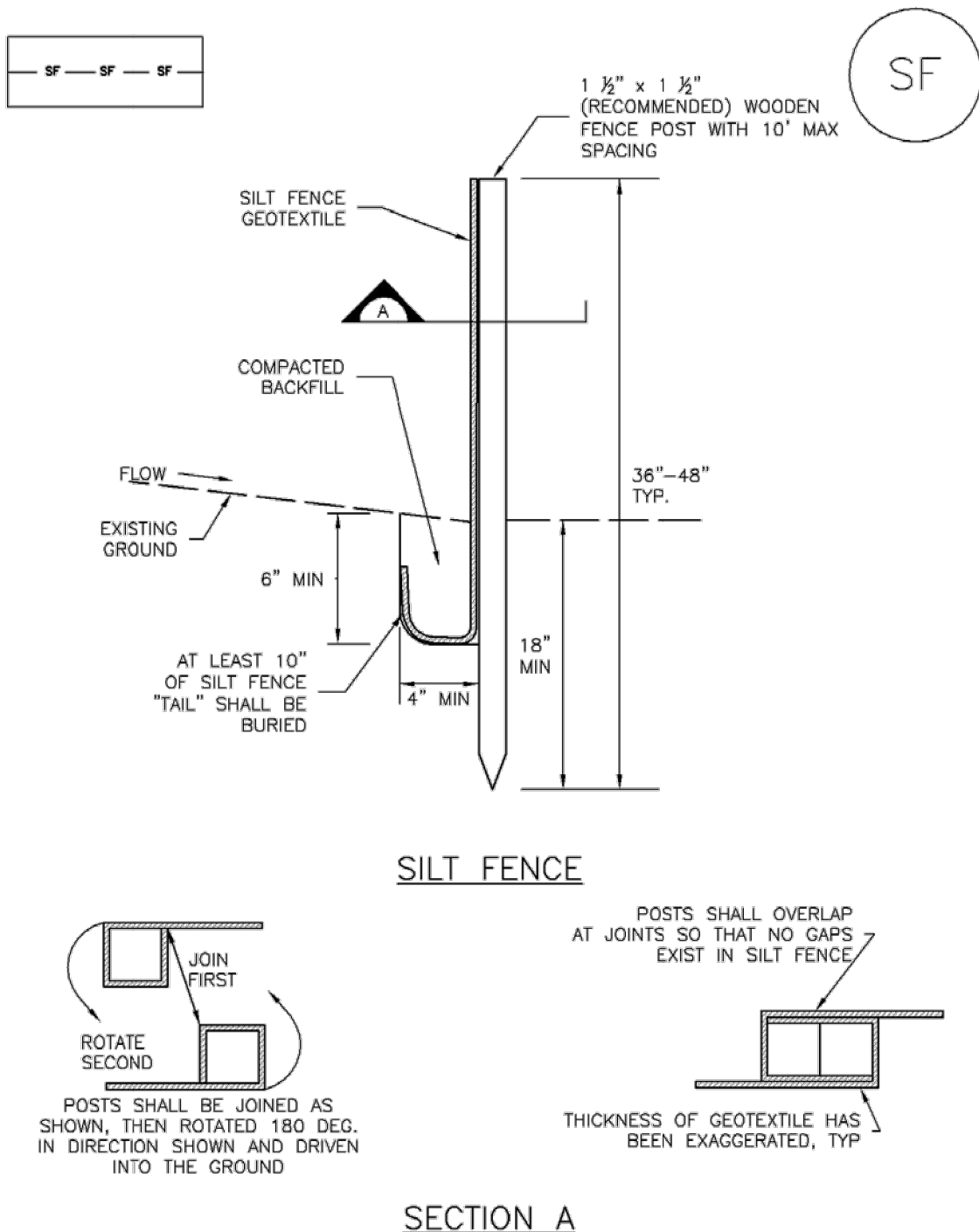
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TS/PS-5

Silt Fence (SF)

SC-1



SECTION A

SF-1. SILT FENCE

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SF-3

Temporary and Permanent Seeding (TS/PS)

EC-2

Seeding dates for the highest success probability of perennial species along the Front Range are generally in the spring from April through early May and in the fall after the first of September until the ground freezes. If the area is irrigated, seeding may occur in summer months, as well. See Table TS/PS-3 for appropriate seeding dates.

Table TS/PS-1. Minimum Drill Seeding Rates for Various Temporary Annual Grasses

Species ^a (Common name)	Growth Season ^b	Pounds of Pure Live Seed (PLS)/acre ^c	Planting Depth (inches)
1. Oats	Cool	35 - 50	1 - 2
2. Spring wheat	Cool	25 - 35	1 - 2
3. Spring barley	Cool	25 - 35	1 - 2
4. Annual ryegrass	Cool	10 - 15	½
5. Millet	Warm	3 - 15	½ - ¾
6. Sudangrass	Warm	5-10	½ - ¾
7. Sorghum	Warm	5-10	½ - ¾
8. Winter wheat	Cool	20-35	1 - 2
9. Winter barley	Cool	20-35	1 - 2
10. Winter rye	Cool	20-35	1 - 2
11. Triticale	Cool	25-40	1 - 2

^a Successful seeding of annual grass resulting in adequate plant growth will usually produce enough dead-plant residue to provide protection from wind and water erosion for an additional year. This assumes that the cover is not disturbed or mowed closer than 8 inches.

Hydraulic seeding may be substituted for drilling only where slopes are steeper than 3:1 or where access limitations exist. When hydraulic seeding is used, hydraulic mulching should be applied as a separate operation, when practical, to prevent the seeds from being encapsulated in the mulch.

^b See Table TS/PS-3 for seeding dates. Irrigation, if consistently applied, may extend the use of cool season species during the summer months.

^c Seeding rates should be doubled if seed is broadcast, or increased by 50 percent if done using a Brillion Drill or by hydraulic seeding.

June 2012

Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3

TS/PS-3

WINSOME FILING NO. 2
PREPARED FOR
WINSOME LLC

EROSION CONTROL
DETAILS

CO
EL PASO COUNTY

LICENSED PROFESSIONAL
019610600
DATE
05/13/2021
SCALE
AS SHOWN
DESIGNED BY
KHTAM
DRAWN BY
KHTAM
CHECKED BY
TLC
DATE

KIMLEY»Horn

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REVISIONS

BY

DATE