

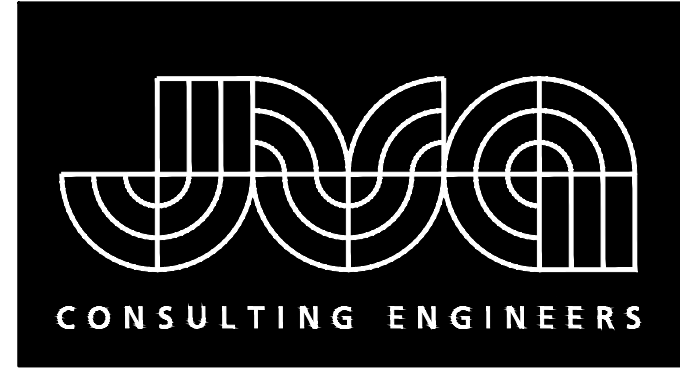
**STANDARD NOTES FOR EL PASO COUNTY CONSTRUCTION PLANS**

1. ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT. BEFORE BEGINNING CONSTRUCTION, THE LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
3. 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:
  - 3.1. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
  - 3.2. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
  - 3.3. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
  - 3.4. CDOT M & S STANDARDS
4. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
5. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ON-SITE AND OFF-SITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
6. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (PCD) - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
7. 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.
8. 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.
9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
10. CONTRACTOR SHALL CONDUCT PRELIMINARY TESTING PER ESM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
12. 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.
13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA. [IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.]
14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
15. 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.

# D49 TRANSPORTATION CENTER SCHOOL DISTRICT NO. 49 11971 SWINGLINE ROAD PEYTON, CO 80831 EARLY GRADING AND EROSION CONTROL PLAN

**CONTACTS**

<b>OWNER:</b>	SCHOOL DISTRICT 49 10850 EAST WOODMEN ROAD PEYTON, CO 80831	BRUCE BROWN (719) 495-1100 BRLBROWN@D49.ORG
<b>CIVIL ENGINEER:</b>	JVA, INC 1319 SPRUCE STREET BOULDER, CO 80302	KEVIN TONE, P.E. (303) 565-4927 KTONE@JVA.JVA.COM
<b>ARCHITECT:</b>	RTA ARCHITECTS 19 SOUTH TEJON STREET SUITE 300 COLORADO SPRINGS, CO 80903	PATRICK WARD, AIA, NCARB, LEED AP BD+C (719) 867-7029 PATRICKWARD@ARCHITECTS.COM
<b>SURVEYOR:</b>	RIDGELINE LAND SURVEYING 31 E. PLATTE AVE, SUITE 206 COLORADO SPRINGS, CO 80903	PATRICK WARD, AIA, NCARB, LEED AP BD+C (719) 867-7029 PATRICKWARD@ARCHITECTS.COM

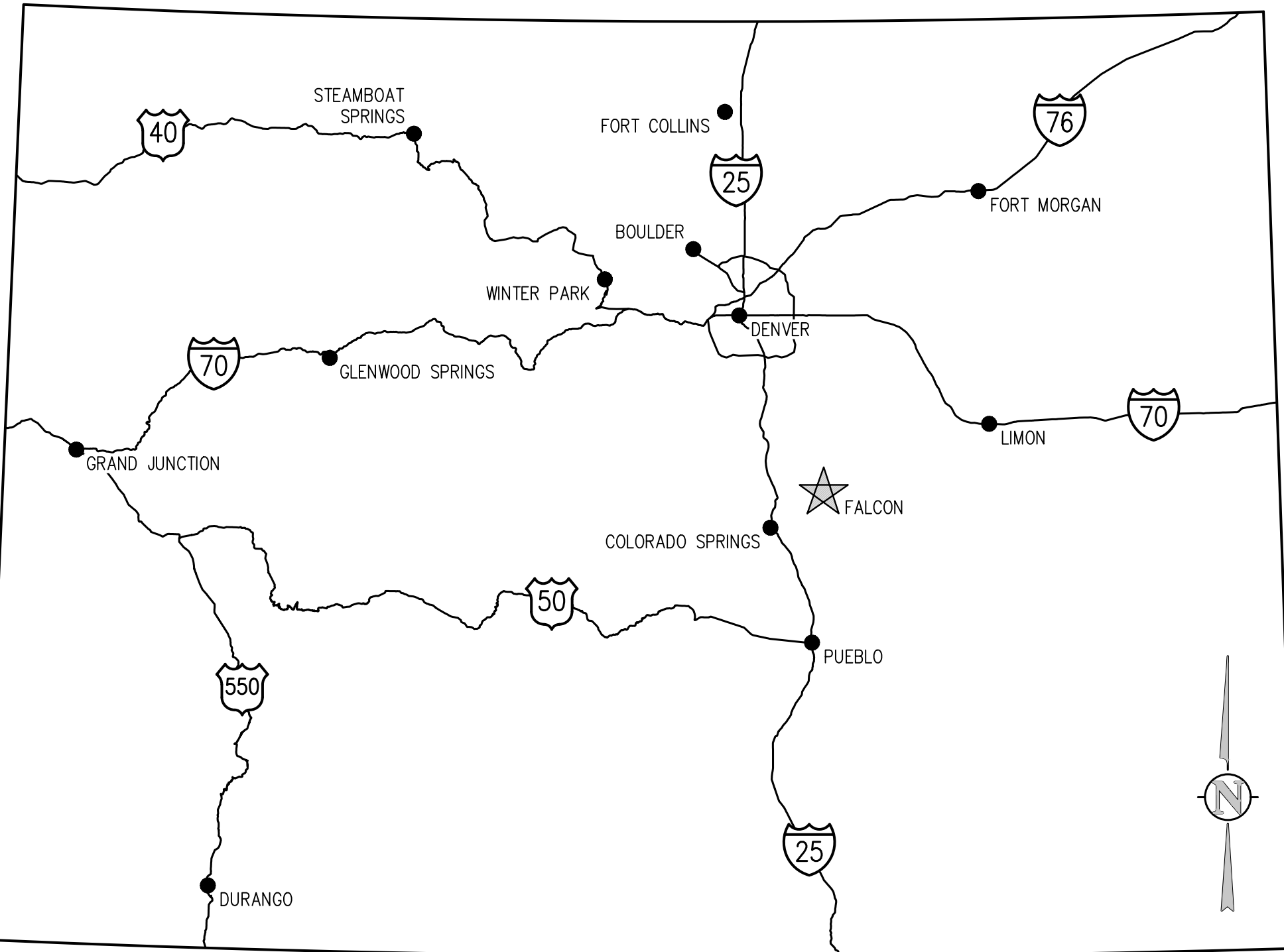


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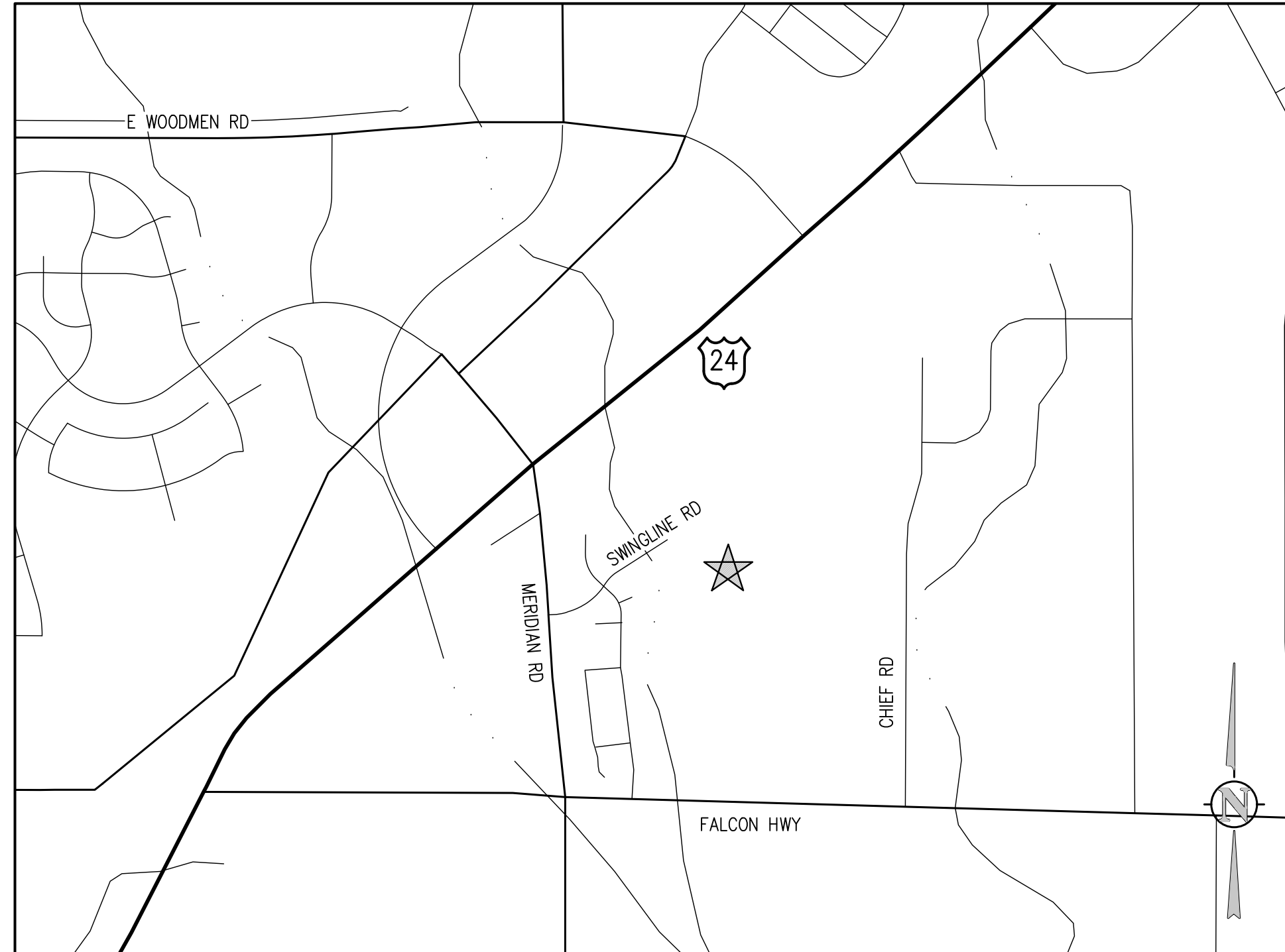
**STANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION CONTROL PLANS**

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 RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
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 COMPLETE 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 WATER 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 MEASURES(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 NOT 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 COVERINGS 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 ON-SITE 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 ON-SITE 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, ECM VOLUME II AND THE ECM APPENDIX 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 THESE 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 KUMAR & ASSOCIATES, JANUARY 27TH 2022 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 ONE (1) ACRE 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  
WQD - PERMITS  
4300 CHERRY CREEK DRIVE SOUTH  
DENVER, CO 80246-1530  
ATTN: PERMITS UNIT



VICINITY MAP  
NTS



LOCATION MAP  
NTS

**\*CONDITION OF APPROVAL:**  
Approval of this plan is limited to earth moving operations shown on the initial erosion control and interim erosion control plan. No construction of permanent pond infrastructure, installation of storm drain pipe, or paving are permitted until the associated final drainage report, storm drain construction plans, pond construction plans, and site development plans have been approved.

**DRAWING INDEX**

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CE1.2	INITIAL EROSION CONTROL PLAN B
CE1.3	INITIAL EROSION CONTROL PLAN C
CE1.4	INITIAL EROSION CONTROL PLAN D
CE1.5	INTERIM EROSION CONTROL PLAN A
CE1.6	INTERIM EROSION CONTROL PLAN B
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CE1.8	INTERIM EROSION CONTROL PLAN D
CE1.9	FINAL EROSION CONTROL PLAN A
CE1.10	FINAL EROSION CONTROL PLAN B
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CE1.15	EROSION CONTROL DETAILS

**SURVEY INFORMATION**

1. BENCHMARK INFORMATION: TOPOGRAPHIC INFORMATION WAS PROVIDED BY RIDGELINE LAND SURVEYING. SEE TOPOGRAPHIC EXHIBIT DATED 12/13/2021. PROJECT BENCHMARK ELEVATION WAS ESTABLISHED AT TWO LOCATIONS: BM#1 NORTH FLANGE BOLT ON HYDRANT LOCATED AT THE SW CORNER OF THE SITE DUE WEST OF THE SOUTH LINE OF THE BUILDING AT THE WEST EDGE OF THE PARKING LOT ELEV= 6789.72; BM#2 FLANGE BOLT BETWEEN MULLERY ON HYDRANT LOCATED AT THE WEST SIDE OF THE PLAYGROUND AREA NORTH OF THE BUILDING ELEV= 6796.57. COORDINATE AND VERIFY ALL VERTICAL AND HORIZONTAL DATA SHOWN IN SURVEY AND REPORT ANY IRREGULARITIES OR DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION.
2. DATUM INFORMATION: THE VERTICAL CONTROL WAS BASED ON LOCAL ADJACENT PROJECT SITE DATUM. TO ACHIEVE NAVD 1929 ELEVATION SUBTRACT 0.33' FROM THE PROJECT ELEVATION. TO ACHIEVE NAVD 1988 ADD 3.8' TO PROJECT ELEVATIONS.
3. FLOOD PLAIN STATEMENT: A PORTION OF THIS PROPERTY LIES IN ZONE AE, PER FLOOD INSURANCE RATE MAP NO. 0804100561G DATED DECEMBER 7, 2018. BASE FLOOD ELEVATION HAS BEEN DETERMINED REFERENCING THE NAVD1988 ELEVATION DATUM. FIELD SURVEYING WAS NOT PERFORMED TO DETERMINE THESE ZONES.

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

DATE: 12/14/22

ENGINEER OF RECORD SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

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

OWNER SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

EL PASO COUNTY: PCD FILE NO. PPR2236

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL, AS AMENDED.

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

APPROVED: \_\_\_\_\_  
Engineering Department

JOSHUA PALMER, PE COUNTY ENGINEER/ECM ADMINISTRATOR

PCD File No. PPR2236



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**D49 TRANSPORTATION CENTER  
SCHOOL DISTRICT NO 49  
11971 SWINGLINE ROAD  
PEYTON, CO 80831**



COVER SHEET

12/16/22 12:39 MS

REVISIONS

NO.	DATE	DESCRIPTION
1	05/02/22	ADDITION#1
2	06/02/22	REV#1
3	10/02/22	REV#1

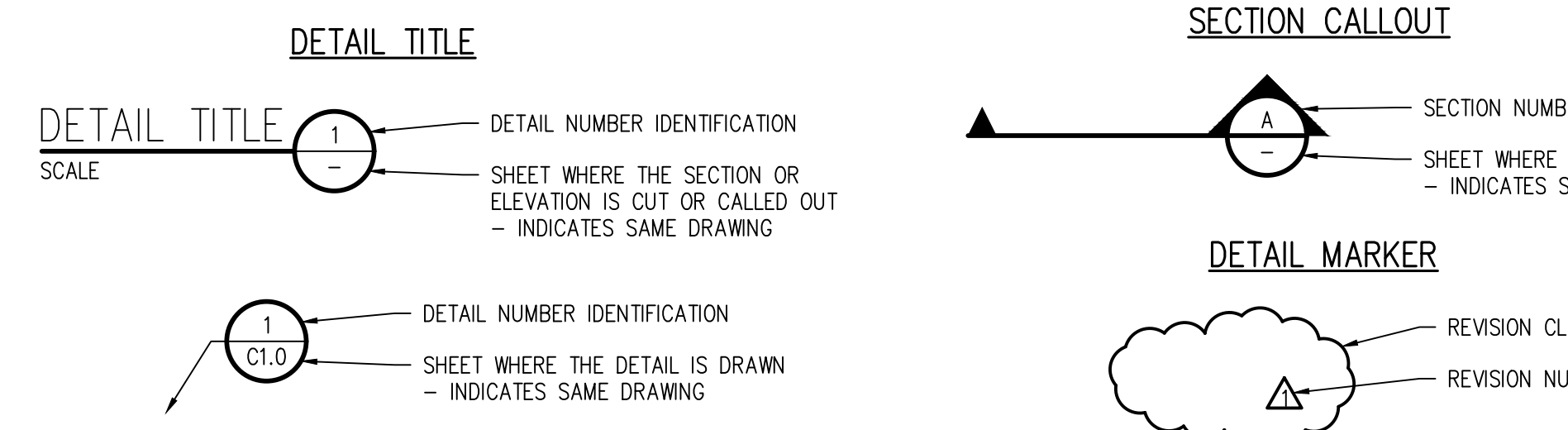
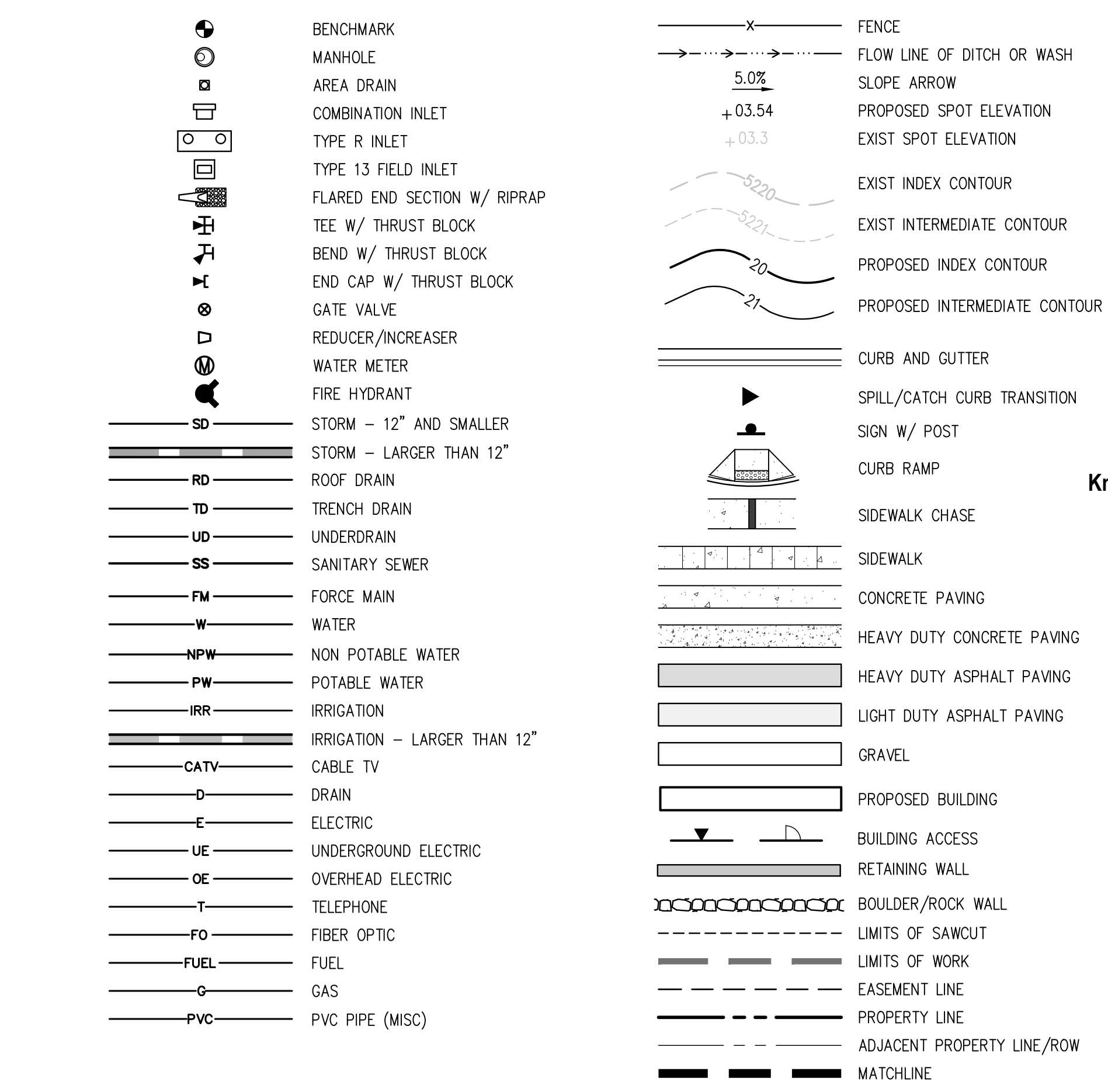
CONSTRUCTION DOCUMENTS

CO.0

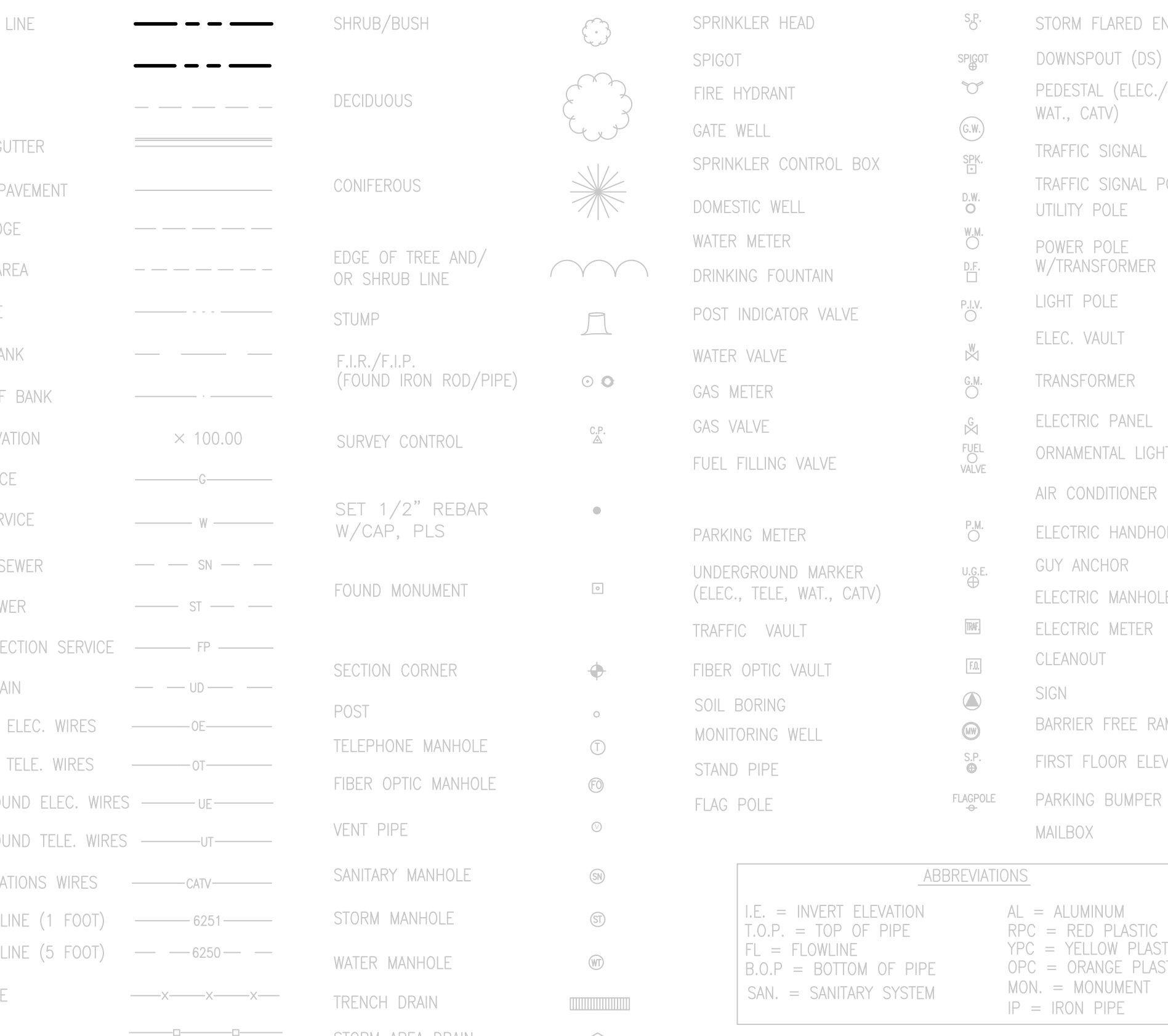
ABBREVIATIONS

AASHTO	AMERICAN ASSOC. OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	INCL	INCLUDED
ABAN	ABANDON	ID	INSIDE DIAMETER
AC	ASPHALTIC CONCRETE PAVING	IN	INLET
ADDL	ADDITIONAL	INSUL	INSULATION
ADDM	ADDENDUM	INV	INVERT
ADJ	ADJUSTABLE	IRR	IRRIGATION
AL	ALUMINUM	JTS	JOINTS
ALT	ALTERNATE	KO	KNOCKOUT
AMT	AMOUNT	KPL	KICK PLATE
APPROX	APPROXIMATE	KWY	KEYWAY
ARCH	ARCHITECT(URAL)	L	LEFT OR LITER
ARY	AIR RELIEF VALVE	LSCAPE	LANDSCAPE(ING)
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	LF	LINEAR FOOT
ASPH	ASPHALT	LP	LOW POINT OR LIGHT POLE
ASSY	ASSEMBLY	LT	LIGHT
ASYM	ASYMMETRICAL	LWL	LOW WATER LEVEL
AUTO	AUTOMATIC	MAINT	MAINTENANCE
AVERAGE	AVERAGE	MAN	MANUAL
AWWA	AMERICAN WATER WORKS ASSOC.	MATL	MATERIAL
BC	BACK OF CURB	ME	MATCH EXISTING
BFV	BUTTERFLY VALVE	MECH	MECHANICAL
BG	FINISHED GRADE ADJACENT TO BOTTOM OF WALL	MFR	MANUFACTURER
BLDC	BUILDING	MH	MANHOLE
BLK	BLOCK	MIN	MINIMUM
BM	BENCH MARK	MISC	MISCELLANEOUS
BMP	BEST MANAGEMENT PRACTICE	MJ	MECHANICAL JOINT
BS	BACKSIGHT	NA	NOT APPLICABLE
BSS	BOTTOM OF STEP	N/C	NOT IN CONTRACT
BOT	BOTTOM	NPT	NATIONAL PIPE THREAD
BSMT	BASEMENT	NTS	NOT TO SCALE
BVCE	BEGIN VERTICAL CURVE ELEVATION	OC	ON CENTER
BVCS	BEGIN VERTICAL CURVE STATION	OD	OUTSIDE DIAMETER
BW	BOTTOM OF WALL	OPP	OPPOSITE
CB	CATCH BASIN	OPT	OPTIONAL
CCKW	COUNTY CLOCKWISE	PC	POINT OF CURVATURE
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION	PCC	PRESSURE CLEAN OUT
CI	CAST IRON PIPE	PCR	POINT OF CURVE RETURN
CIJ	CONSTRUCTION JOINT	PI	POINT OF INTERSECTION
CL	CENTER LINE OR CHAIN LINK	PVI	POINT OF VERTICAL INTERSECTION
CLR	CLEAR	PL	PROPERTY LINE
CMP	CORRUGATED METAL PIPE	PE	POLYETHYLENE
CMU	CONCRETE MASONRY UNIT	PF	PREFABRICATED
CNO	CLEANOUT	PRFAB	PREFABRICATED
CONC	CONCRETE	PRELIM	PRELIMINARY
CONST	CONSTRUCTION	PREP	PREPARATION
CONT	CONTINUOUS(ATION)	PROP	PROPOSED
CORNER	CORNER	PRV	PRESSURE REDUCING VALVE OR PRESSURE RELIEF VALVE
CR	CONCENTRIC REDUCER	PSF	POUNDS PER SQUARE FOOT
CY	CUBIC YARDS	PSI	POUNDS PER SQUARE INCH
DEM	DEMOLITION	PT	POINT OF TANGENCY
DIA	DIAMETER	PV	PLUG VALVE
DIAG	DIAGONAL	PVC	POLYVINYL CHLORIDE OR POINT OF VERTICAL CURVATURE
DIP	DUCTILE IRON PIPE	PVMT	PAVEMENT
DOM	DOMESTIC	QTY	QUANTITY
DN	DOWN	R	RIGHT
DR	DRAIN	RAD	RADIUS
DWG	DRAWING	RCP	REINFORCED CONCRETE PIPE
DWL	DOWEL	RD	ROOF DRAIN
E	EAST	RE	REFERENCE
EA	EACH	RECT	RECTANGULAR
ECC	ECCENTRIC	REINF	REINFORCE (D) (ING) (MENT)
EJ	EXPANSION JOINT	RQCD	REQUIRE
EL	ELEVATION	ROW	RIGHT OF WAY
ELB	ELBOW	SAN	SANITARY
ELEC	ELECTRICAL	SAN	SANITARY
ENGR	ENGINEER	SD	STANDARD
EOP	EDGE OF PAVEMENT	SECT	SECTION
EQ	EQUAL	SPD	STANDARD PROCTOR DENSITY
EQUIP	EQUIPMENT	SPEC	SPECIFICATION
EQUIV	EQUIVALENT	SQ	SQUARE
ESMT	EASEMENT	SQ IN	SQUARE INCH
EST	ESTIMATE	SQ FT	SQUARE FOOT
EVCE	END VERTICAL CURVE ELEVATION	SQ YD	SQUARE YARD
EVCS	END VERTICAL CURVE STATION	SS	SANITARY SEWER
EW	EACH WAY	SST	STAINLESS STEEL
EXP	EXPANSION JOINT	STA	STATION
EXIST	EXISTING	STD	STANDARD
FND	FOUNDATION	STL	STEEL
FES	FLARED END SECTION	STRUCT	STRUCTURAL
FF	FINISH FLOOR	SVC	SERVICE
FG	FINISH GRADE	SWMP	STORMWATER MANAGEMENT PLAN
FH	FIRE HYDRANT	SYM	SYMMETRICAL
FL	FLOW LINE	TB	THRUST BLOCK
FN	FENCE	TBC	TOP BACK OF CURB
FOC	FACE OF CONCRETE	TBM	TEMPORARY BENCH MARK
FOV	FIBER OPTIC VAULT	TEMP	TEMPORARY
FFM	FEET PER MINUTE	THK	THICK
FFS	FEET PER SECOND	TOB	TOP OF BANK
FT	FEET	TOT	TOP OF CONCRETE OR TOP OF CURB
FTG	FOOTING OR FITTING	TOT	TOP OF STEP
G	GAS	TW	TOP OF WALL OR CAP OF WALL
GA	GAUGE	TP	TYPICAL
GAL	GALLON	UBC	UNIFORM BUILDING CODE
GALV	GALVANIZED	UGE	UNDERGROUND ELECTRIC
GCO	GRADE CLEANOUT	UTL	UTILITY
GP	GALVANIZED IRON PIPE	VERT	VERTICAL
GND	GROUND	VC	POINT OF VERTICAL CURVATURE
GPD	GALLONS PER DAY	VCP	VITRIFIED CLAY PIPE
GPM	GALLONS PER MINUTE	W	WIDE OR WIDTH
GR	GRATE	W/O	WITHOUT
GRTG	GRATING	WCV	WATER QUALITY CONTROL VOLUME
GSP	GALVANIZED STEEL PIPE	WSE	WATER SURFACE ELEVATION
GVE	GATE VALVE	WW	WASTEWATER
H	HIGH	X	SECT CROSS SECTION
HB	HOSE BIB	XFMR	ELECTRICAL TRANSFORMER
HE	HORIZONTAL ELLIPTICAL	YH	YARD HYDRANT
HDWL	HEADWALL		
HDRL	HAND RAIL		
HORIZ	HORIZONTAL		
HP	HIGH POINT		
HR	HOUR		
HVAC	HEATING, VENTILATION, AIR CONDITIONING		
HWY	HIGHWAY		
HWL	HIGH WATER LINE		
HYD	HYDRANT		

DESIGN LEGEND



SURVEY LEGEND



GENERAL NOTES

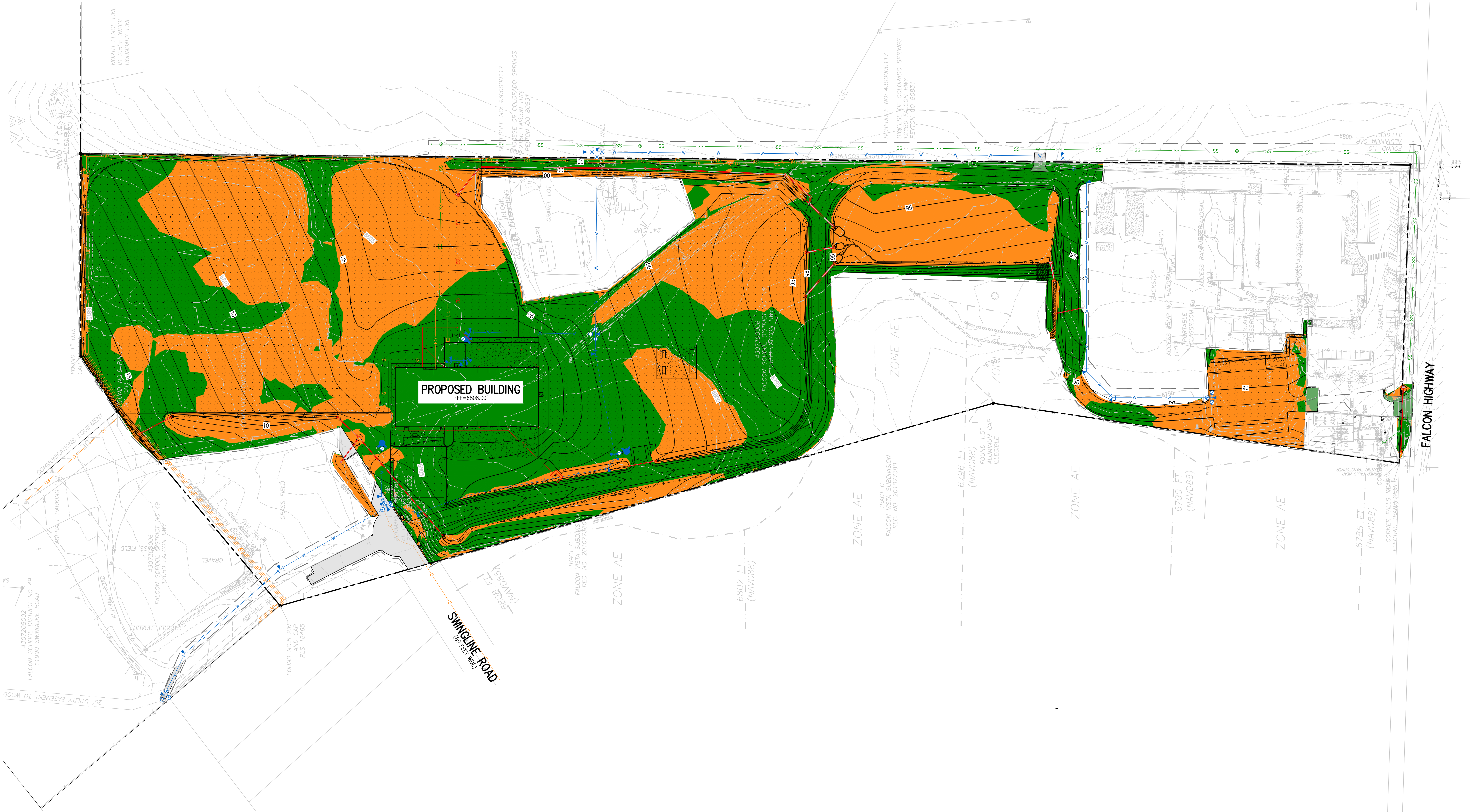
- ALL MATERIALS AND WORKMANSHIP SHALL BE IN CONFORMANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF THE EL PASO COUNTY, FALCON SCHOOL DISTRICT, COLORADO DEPARTMENT OF TRANSPORTATION, FALCON FIRE PROTECTION REQUIREMENTS, AND APPLICABLE STATE AND LOCAL STANDARDS AND SPECIFICATIONS. THE CONTRACTOR SHALL HAVE IN POSSESSION AT THE JOB SITE AT ALL TIMES ONE (1) SIGNED COPY OF APPROVED PLANS, STANDARDS AND SPECIFICATIONS. CONTRACTOR SHALL CONSTRUCT AND MAINTAIN EMERGENCY ACCESS ROUTES TO THE SITE AND STRUCTURE AT ALL TIMES PER THE APPLICABLE FALCON FIRE PROTECTION DISTRICT REQUIREMENTS. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FOR ANY VARIANCE TO THE ABOVE DOCUMENTS. NOTIFY ENGINEER OF ANY CONFLICTING STANDARDS OR SPECIFICATIONS. IN THE EVENT OF ANY CONFLICTING STANDARD OR SPECIFICATION, THE MORE STRINGENT OR HIGHER QUALITY STANDARD, DETAIL OR SPECIFICATION SHALL APPLY.
- THE CONTRACTOR SHALL OBTAIN, AT HIS OWN EXPENSE, ALL APPLICABLE CODES, LICENSES, STANDARD SPECIFICATIONS, PERMITS, BONDS, ETC., WHICH ARE NECESSARY TO PERFORM THE PROPOSED WORK, INCLUDING, BUT NOT LIMITED TO A LOCAL AND STATE GROUNDWATER DISCHARGE AND COLORADO DEPARTMENT OF HEALTH AND ENVIRONMENT (CDPHE) STORMWATER DISCHARGE PERMIT ASSOCIATED WITH CONSTRUCTION ACTIVITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE REQUIRED PARTY (FALCON SCHOOL DISTRICT, OWNER'S REPRESENTATIVE, EL PASO COUNTY/FALCON INSPECTOR, GEOTECHNICAL ENGINEER, ENGINEER AND/OR UTILITY OWNER) AT LEAST 48 HOURS PRIOR TO START OF ANY CONSTRUCTION, PRIOR TO BACKFILLING, AND AS REQUIRED BY JURISDICTIONAL AUTHORITY AND/OR PROJECT SPECIFICATIONS. THE CONTRACTOR SHALL CONTINUE WITH NOTIFICATIONS THROUGHOUT THE PROJECT AS REQUIRED BY THE STANDARDS AND SPECIFICATIONS.
- THE LOCATIONS OF EXISTING UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION BASED ON INFORMATION BY OTHERS. NOT ALL UTILITIES MAY BE SHOWN. THE CONTRACTOR SHALL DETERMINE THE EXACT SIZE, LOCATION AND TYPE OF ALL EXISTING UTILITIES WHETHER SHOWN OR NOT BEFORE COMMENCING WORK. THE ENGINEER AND/OR OWNER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS SHOWN ON PLANS. THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR ANY AND ALL DAMAGES AND COSTS WHICH MIGHT OCCUR BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES. THE CONTRACTOR SHALL NOTIFY ANY PUBLIC AND PRIVATE UTILITY COMPANIES AND DETERMINE THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO PROCEEDING WITH GRADING AND CONSTRUCTION. ALL WORK PERFORMED IN THE AREA OF UTILITIES SHALL BE PERFORMED AND INSPECTED ACCORDING TO THE REQUIREMENTS OF THE UTILITY OWNER. LIKEWISE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MAPPING ANY EXISTING UTILITY (INCLUDING DEPTH) WHICH MAY CONFLICT WITH THE PROPOSED CONSTRUCTION, AND FOR RELOCATING ENCOUNTERED UTILITIES AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL CONTACT AND RECEIVE APPROVAL FROM EL PASO COUNTY/UTILITY OWNER AND ENGINEER BEFORE RELOCATING ANY ENCOUNTERED UTILITIES. CONTRACTOR RESPONSIBLE FOR SERVICE CONNECTIONS, AND RELOCATING AND RECONNECTING AFFECTED UTILITIES AS COORDINATED WITH UTILITY OWNER AND/OR ENGINEER, INCLUDING NON-MUNICIPAL UTILITIES (TELEPHONE, GAS, CABLE, ETC., WHICH SHALL BE COORDINATED WITH THE UTILITY OWNER). THE CONTRACTOR SHALL IMMEDIATELY CONTACT ENGINEER UPON DISCOVERY OF A UTILITY DISCREPANCY OR CONFLICT. AT LEAST 48 HOURS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO (1-800-922-1987, WWW.UNCC.ORG). SEE SURVEY UTILITY LOCATION INFORMATION BELOW.
- THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS AT AND ADJACENT TO THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING THE PERFORMANCE OF THE WORK. THE CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN FOR OWNER AND/OR CITY APPROVAL AND PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FENDOFF FLAME OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR AGREES TO COMPLY WITH THE PROVISIONS OF THE TRAFFIC CONTROL PLAN AND THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," PART VI, FOR CONSTRUCTION SIGNAGE AND TRAFFIC CONTROL. ALL TEMPORARY AND PERMANENT TRAFFIC SIGNS SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) WITH REGARD TO SIGN SHAPE, COLOR, SIZE, LETTERING, ETC. UNLESS OTHERWISE SPECIFIED. IF APPLICABLE, PART NUMBERS ON SIGNAGE DETAILS REFER TO MUTCD SIGN NUMBERS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY GROUNDWATER ENCOUNTERED DURING THE CONSTRUCTION OF ANY PORTION OF THIS PROJECT. GROUNDWATER SHALL BE PUMPED, PIPED, REMOVED AND DISPOSED OF IN A MANNER WHICH DOES NOT CAUSE FLOODING OF EXISTING STREETS NOR EROSION ON ADJUTING PROPERTIES IN ORDER TO CONSTRUCT THE IMPROVEMENTS SHOWN ON THESE PLANS. GROUNDWATER TO BE PUMPED SHALL BE TESTED, PERMITTED, AND PUMPED PER THE STATE OF COLORADO LOCAL GROUNDWATER DISCHARGING PERMIT REQUIREMENTS.
- RIM AND GRATE ELEVATIONS SHOWN ON PLANS ARE APPROXIMATE ONLY AND ARE NOT TO BE TAKEN AS FINAL ELEVATIONS. THE CONTRACTOR SHALL ADJUST RIMS AND OTHER IMPROVEMENTS TO MATCH FINAL PAVEMENT AND FINISHED GRADE ELEVATIONS.
- THE EXISTING AND PROPOSED ELEVATIONS OF FLATWORK, SIDEWALKS, CURBS, THRESHOLDS, PAVING, ETC. AS SHOWN HEREON ARE BASED ON EXTRAPOLATION OF FIELD SURVEY DATA, EXISTING CONDITIONS, AND DATA PROVIDED BY OTHERS. AT CRITICAL AREAS AND SITE FEATURES, CONTRACTOR SHALL HAVE WORKMANSHIP INSPECTED AND APPROVED BY OWNER, OWNER'S REPRESENTATIVE, OR ENGINEER PRIOR TO PLACING CONCRETE. MINOR ADJUSTMENTS, AS APPROVED, TO PROPOSED GRADES, INVERTS, ETC. MAY BE REQUIRED TO PREVENT PONDING OR SLOPE NOT IN CONFORMANCE WITH MUNICIPAL STANDARDS. ALL FLATWORK MUST PREVENT PONDING AND PROVIDE POSITIVE DRAINAGE AWAY FROM EXISTING AND PROPOSED BUILDINGS, WALLS, ROOF DRAIN OUTFALLS, ACROSS DRIVES AND WALKS, ETC., TOWARDS THE PROPOSED INTENDED DRAINAGE FEATURES AND CONVEYANCES.
- FINAL LIMITS OF REQUIRED ASPHALT SAWCUTTING AND PATCHING MAY VARY FROM LIMITS SHOWN ON PLANS. CONTRACTOR TO PROVIDE SAWCUT AND PATCH WORK TO ACHIEVE POSITIVE DRAINAGE AND A SMOOTH TRANSITION TO EXISTING ASPHALT WITHIN SLOPES ACCEPTABLE TO THE ENGINEER AND WITHIN MUNICIPAL STANDARDS. CONTRACTOR SHALL PROVIDE ADDITIONAL SAWCUTTING AND PATCHING AT UTILITY WORK, CONNECTION POINTS TO EXISTING PAVEMENT AND FEATURES, ETC. THAT MAY NOT BE DELINEATED ON PLANS.
- ANY EXISTING MONITORING WELLS, CLEANOUTS, VALVE BOXES, ETC. TO BE PROTECTED AND TO REMAIN IN SERVICE. IF FEATURES EXIST, EXTEND OR LOWER TO FINAL SURFACE WITH LIKE KIND CAP WITH STANDARD CAST ACCESS LID WITH SAME MARKINGS. IN LANDSCAPED AREAS PROVIDE A CONCRETE COLLAR (18"x18"x6" THICK) AT ALL EXISTING AND PROPOSED MONITORING WELLS, CLEANOUTS, VALVE BOXES, ETC.
- OWNER TO APPROVE ALL PRIVATE CONCRETE FINISHING, JOINT PATTERNS AND COLORING REQUIREMENTS PRIOR TO CONSTRUCTION. SUBMIT JOINT LAYOUT PLAN TO OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.
- PIPE LENGTHS AND HORIZONTAL CONTROL POINTS SHOWN ARE FROM CENTER OF STRUCTURES, END OF FLARED END SECTIONS, ETC. SEE STRUCTURE DETAILS FOR EXACT HORIZONTAL CONTROL LOCATION. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ACTUAL PIPE LENGTHS TO ACCOUNT FOR STRUCTURES AND LENGTH OF FLARED END SECTIONS.
- ALL SURFS AND RUBBERIS CAUSED BY THE OPERATIONS OF THE CONTRACTOR SHALL BE REMOVED, AND THE AREA OCCUPIED DURING CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ITS ORIGINAL CONDITION, WITHIN 48 HOURS OF PROJECT COMPLETION, UNLESS OTHERWISE DIRECTED BY THE MUNICIPALITY OR OWNER'S REPRESENTATIVE.
- THE CONTRACTOR IS REQUIRED TO PROVIDE AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE LOCAL JURISDICTION, THE STATE OF COLORADO, MILE HIGH FLOOD DISTRICT "URBAN STORM DRAINAGE CRITERIA MANUAL VOLUME 3", THE M-STANDARD PLANS OF THE COLORADO DEPARTMENT OF TRANSPORTATION, AND THE APPROVED EROSION CONTROL PLAN. JURISDICTIONAL AUTHORITY MAY REQUIRE THE CONTRACTOR TO PROVIDE ADDITIONAL EROSION CONTROL MEASURES AT THE CONTRACTOR'S EXPENSE DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE PLANS DO NOT FUNCTION AS INTENDED. THE CONTRACTOR IS RESPONSIBLE FOR PROHIBITING SILT AND DEBRIS LOADS RINOFF FROM LEAVING THE SITE, AND FOR KEEPING ALL PUBLIC AREAS FREE OF MUD AND DEBRIS. THE CONTRACTOR IS RESPONSIBLE FOR RE-ESTABLISHING FINAL GRADES AND FOR REMOVING ACCUMULATED SEDIMENTATION FROM ALL AREAS INCLUDING SWALES AND DETENTION/WATER QUALITY AREAS. CONTRACTOR SHALL REMOVE TEMPORARY EROSION CONTROL MEASURES AND REPAIR AREAS AS REQUIRED AFTER VEGETATION IS ESTABLISHED AND ACCEPTED BY OWNER AND MUNICIPALITY.
- ADA COMPLIANCE: THE CROSS-SLOPE OF ALL WALKS MUST BE LESS THAN 1:48 (2.0%) PERPENDICULAR TO DIRECTION OF TRAVEL. RUNNING SLOPE OF ACCESSIBLE WALKS MUST BE NOT STEEPER THAN 1:20 (5.0%) IN DIRECTION OF TRAVEL. MAXIMUM GRADE OF ACCESSIBLE CURB RAMPS AND RAMP IS 1:12 (8.3%). CURB RAMPS SHALL PROVIDE A LANDING AT THE TOP AND RAMP RUNS PROVIDE LANDINGS AT THE BOTTOM AND TOP OF EACH RAMP RUN AT A SLOPE NOT TO EXCEED 1:48. RAMP RUNS EXCEEDING SIX INCHES SHALL INCLUDE HANDRAILS. ACCESSIBLE PARKING SPACES AND ACCESSIBLES SHALL NOT EXCEED 1:48 IN ALL DIRECTIONS. CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO PLACEMENT OF FLATWORK OF SITE CONDITIONS OR DISCREPANCIES WHICH PREVENT TYPICAL REQUIRED GRADES FROM BEING ACHIEVED. ALL RAMPS, STAIRS, EDGE PROTECTION, AND RAILINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT ADA STANDARDS. ACCESSIBLE CURB RAMPS SHALL CONFORM TO THE CDOT M-STANDARDS (SEE DETAIL M-608-1, ETC.) EXISTING FEATURE WITHIN THE PUBLIC RIGHTS-OF-WAY SHALL BE CONSTRUCTED TO CONFORM TO THE LOCAL AUTHORITY HAVING JURISDICTION REQUIREMENTS.
- PROTECT ALL TREES AND VEGETATION. PLACE CONSTRUCTION FENCING AT DRIP LINE OF TREES AND PLANTS NEAR THE WORK ZONE. DEEP WATER TREES WEEKLY. HAND EXCAVATION REQUIRED AT ROOT ZONES WHERE PROPOSED PAVING OR UTILITY WORK IS WITHIN DRIPLINE OF TREES.
- SURVEY INFORMATION:
  - BENCHMARK INFORMATION: TOPOGRAPHIC INFORMATION WAS PROVIDED BY RIDGELINE LAND SURVEYING. SEE TOPOGRAPHIC EXHIBIT DATED 12/13/2021. PROJECT BENCHMARK ELEVATION WAS ESTABLISHED AT TWO LOCATIONS: BM#1 NORTH FLANGE BOLT ON HYDRANT LOCATED AT THE SW CORNER OF THE SITE DUE WEST OF THE SOUTH LINE OF THE BUILDING AT THE WEST EDGE OF THE PARKING LOT ELEV = 6786.72'. BM#2 FLANGE BOLT BETWEEN "MULLER" ON HYDRANT, LOCATED AT THE WEST SIDE OF THE PLAYGROUND AREA NORTH OF THE BUILDING ELEV = 6796.57'. COORDINATE AND VERIFY ALL VERTICAL AND HORIZONTAL DATA SHOWN IN SURVEY AND REPORT ANY IRREGULARITIES OR DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION.
  - HORIZONTAL CONTROL INFORMATION: HORIZONTAL CONTROL COORDINATES ARE BASED ON THE REFERENCED SURVEY AND ARE PROVIDED BY THE FOLLOWING POINTS AS SHOWN ON THE PLANS:
 

CP-1	N-4358.77	E7860.03	ELEV 6798.30	PIN CAP
CP-2	N-3520.24	E7381.05	ELEV 6790.02	PIN CAP
CP-3	N-2086.73	E6973.98	ELEV 6816.11	PIN CAP
CP-4	N-1685.44	E7883.27	ELEV 6812.64	PIN CAP
- DATUM INFORMATION: THE VERTICAL CONTROL WAS BASED ON LOCAL ADJACENT PROJECT SITE DATUM. TO ACHIEVE NGVD 1929 ELEVATION SUBTRACT 0.33' FROM THE PROJECT ELEVATION. TO ACHIEVE NAVD 1988 ADD 3.8' TO PROJECT ELEVATIONS.
- FLOOD PLAN STATEMENT: A PORTION OF THIS PROPERTY LIES IN ZONE AE, PER FLOOD INSURANCE RATE MAP NO. 080410561G DATED DECEMBER 7, 2018. BASE FLOOD ELEVATION HAS BEEN DETERMINED REFERENCING THE NAVD1988 ELEVATION DATUM. FIELD SURVEYING WAS NOT PERFORMED TO DETERMINE THESE ZONES.
- THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE SHALL FURNISH THE OWNER AND ENGINEER OF RECORD A COMPLETE SET OF CONSTRUCTION RECORD DRAWINGS ("AS-BUILTS") FOR THE CONSTRUCTED IMPROVEMENTS. THE AS-BUILT SET SHALL SHOW SUFFICIENT DIMENSION TIES TO PERMANENT SURFACE FEATURES OR NOTHING/EASTING POINTS FOR ALL BURIED FACILITIES TO ALLOW FOR FUTURE LOCATING. THE AS-BUILT SET SHALL SHOW AS-BUILT CONTOURS AND ELEVATIONS OF ASPHALT AND CONCRETE FLATWORK, FLOWLINES, GRADE BREAKS, STAIRS, CROSS-SLOPES, HIGH AND LOW POINTS, AND ADDITIONAL ELEVATIONS TO DEMONSTRATE IMPROVEMENTS HERE CONSTRUCTED PER PLANS. THE AS-BUILT SET SHALL SHOW ELEVATIONS OF ALL DETENTION/WATER QUALITY FACILITIES, INCLUDING BUT NOT LIMITED TO BERMS, SPILLWAYS, BASIN BOTTOM, PIPE INVERTS, AND CONTROL STRUCTURE FEATURES (AS SURVEYED AND STAMPED BY A CERTIFIED P.L.S.). THE AS-BUILT SET SHALL ALSO INCLUDE ELEVATIONS OF MANHOLES, PIPES, INLETS, GRATES, AND SIZES OF ALL UTILITIES. THE AS-BUILT SET SHALL SHOW ANY AND ALL VARIATIONS FROM THE APPROVED PLAN. ENGINEER WILL PRODUCE FINAL RECORD DRAWINGS.
- COORDINATE ALL CONSTRUCTION ACTIVITIES WITH DISTRICT 49 LOT OWNER PRIOR TO CONSTRUCTION.
- NO ASPHALT BATCH PLANTS SHALL BE UTILIZED ON SITE.
- EXISTING NATIVE VEGETATION IS MAINLY COMPRISED OF GRASSES, BUSHES, AND SHRUBS THAT MAINTAIN APPROXIMATELY 70% GROUND COVER.

ABBREVIATIONS

IE = INVERT ELEVATION	AL = ALUMINUM
T.O.P. = TOP OF PIPE	RPC = RED PLASTIC CAP
FL = FLOWLINE	YPC = YELLOW PLASTIC CAP
B.O.P. = BOTTOM OF PIPE	OPC = ORANGE PLASTIC CAP
SAN. = SANITARY SYSTEM	MON. = MONUMENT
	IP = IRON PIPE

NO.	DATE	DESCRIPTION
1	05/06/2022	ADDENDUM 01
2	06/20/2022	AS-BIT
3	10/06/2022	PHI



**D49 TRANSPORTATION CENTER**  
**SCHOOL DISTRICT NO 49**  
11971 SWINGLINE ROAD  
PEYTON, CO 80831



SHEET TITLE  
**CUT & FILL EXHIBIT**

MTA PROJECT NUMBER  
**2021-041.00**

DATE: 12/14/2022

REVISIONS:

#	DATE	DESCRIPTION
1	05/02/2022	ADDENDUM 01
2	06/02/2022	ADD-01
3	10/02/2022	PH

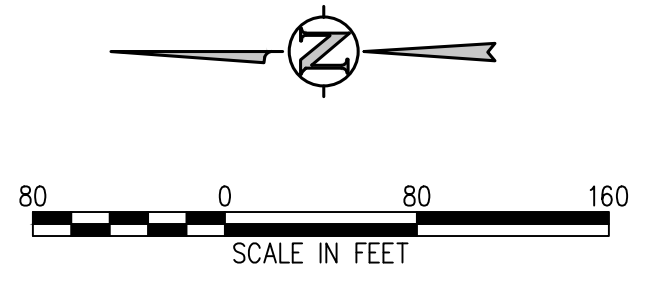
DESIGNED BY: **CWK/HCM**  
CHECKED BY: **TW/A/MB**  
DATE: 12/14/2022

CONSTRUCTION DOCUMENTS

CE1.0

**CUT & FILL DIAGRAM LEGEND**

- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- LIMITS OF WORK
- AREAS OF CUT
- AREAS OF FILL



**EROSION AND SEDIMENTATION NOTES:**

- CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL CONTROLS DURING INITIAL, INTERIM, AND FINAL CONDITIONS.
- ALL CONTROLS SHALL BE INSTALLED WITHIN THE PROPERTY LINES UNLESS OTHERWISE SPECIFIED. WHEN CONSTRUCTION ACTIVITIES DISTURB ADJACENT AND/OR RIGHT-OF-WAY PROPERTIES, COORDINATION WITH PROPERTY OWNERS IS REQUIRED PRIOR TO CONSTRUCTION.

EPC 1/4/2023

**D49 TRANSPORTATION CENTER**  
**SCHOOL DISTRICT NO 49**  
11971 SWINGLINE ROAD  
PEYTON, CO 80831



SHEET TITLE  
**INITIAL  
EROSION  
CONTROL PLAN  
A**

WTA PROJECT NUMBER  
**2021-041.00**

DATE  
**12/14/2022**

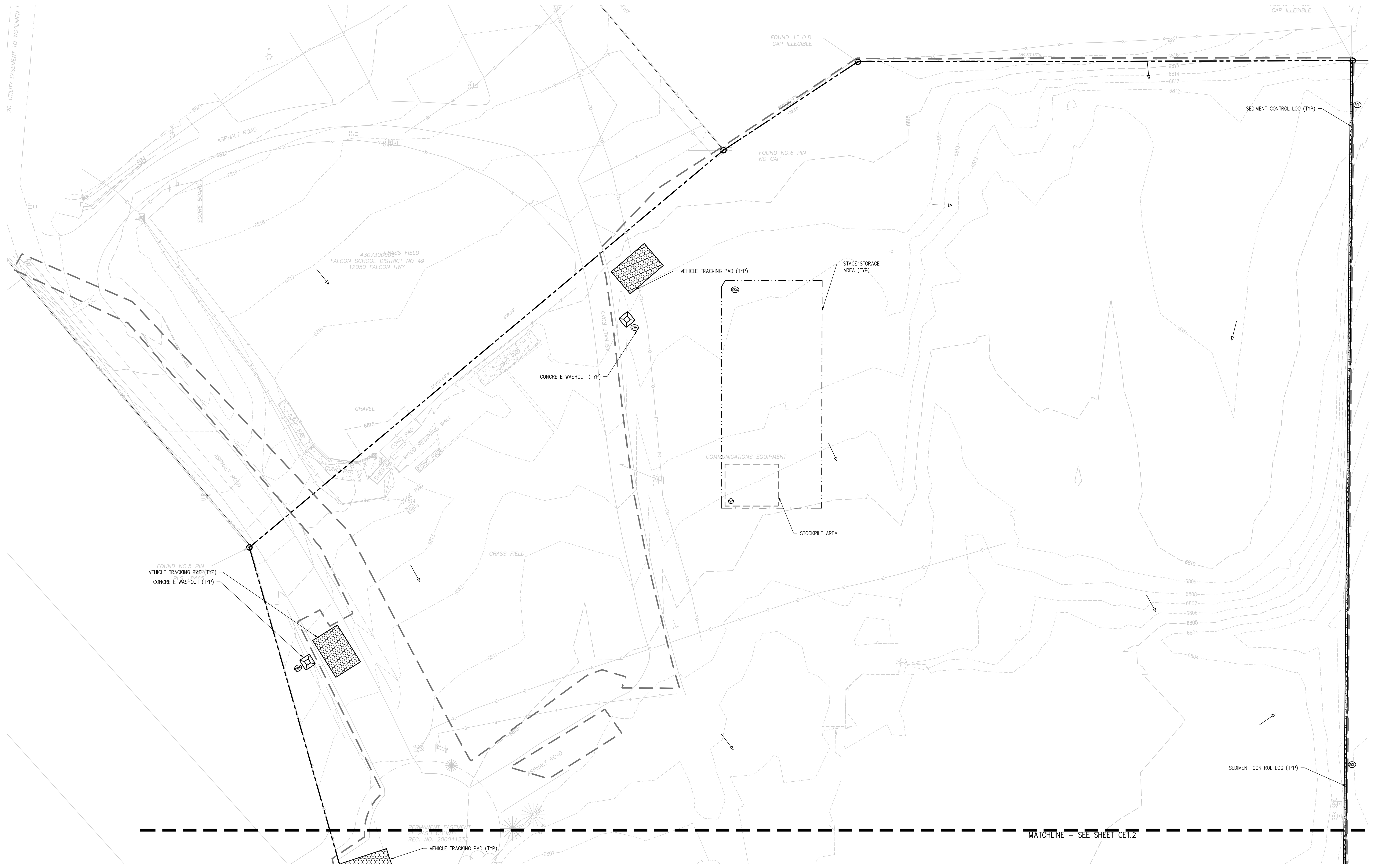
REVISIONS

#	DATE	DESCRIPTION
1	05/02/2022	ADDENDUM 01
2	06/02/2022	ADD-01
3	10/02/2022	PH

DESIGNED BY: **WIK/HCM**  
DRAWN BY: **TW/AMB**  
CHECKED BY: **WIK**

ISSUED FOR  
**CONSTRUCTION  
DOCUMENTS**

CE1.1

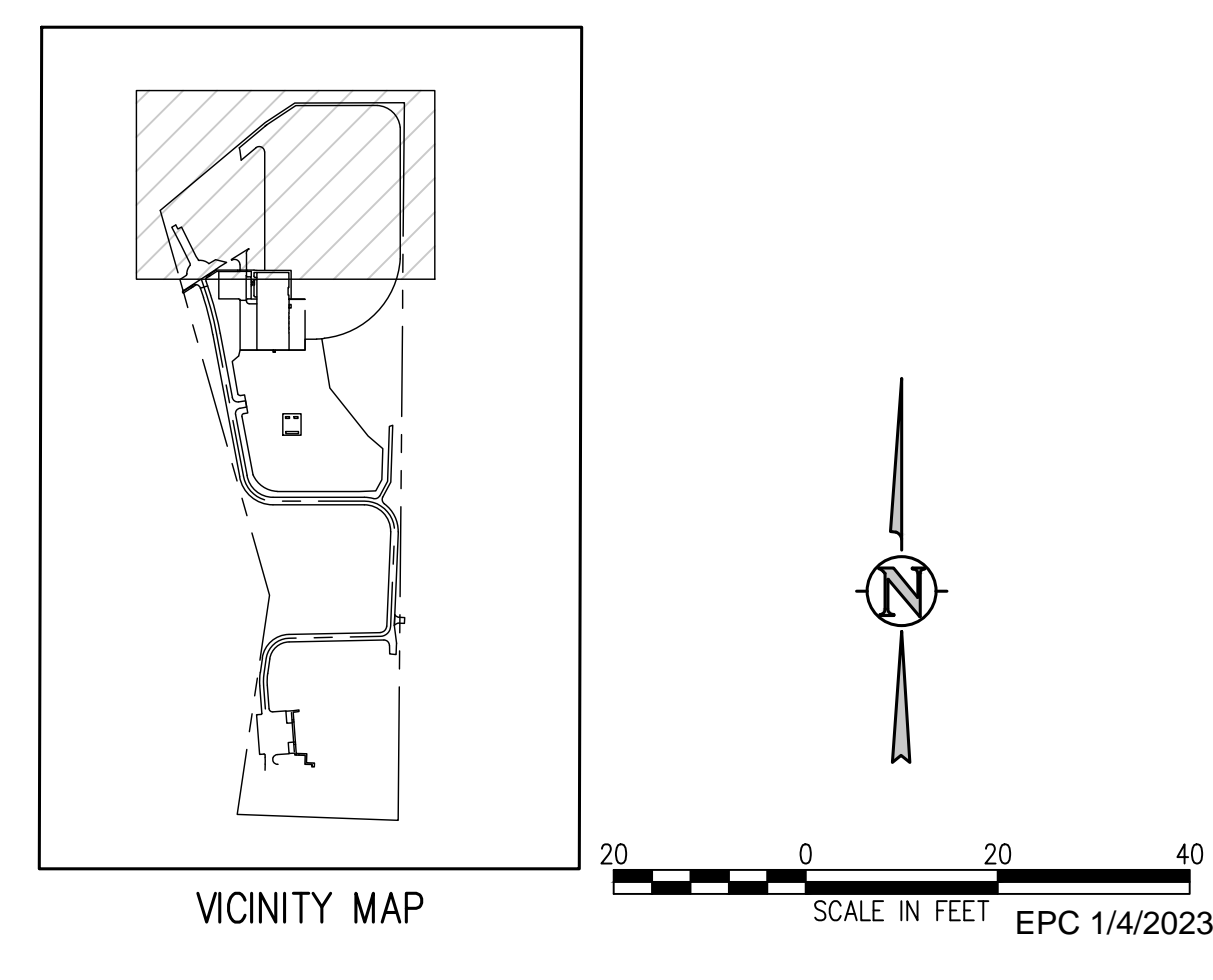


**EROSION AND SEDIMENTATION NOTES:**

- CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL CONTROLS DURING INITIAL, INTERIM, AND FINAL CONDITIONS.
- ALL CONTROLS SHALL BE INSTALLED WITHIN THE PROPERTY LINES UNLESS OTHERWISE SPECIFIED. WHEN CONSTRUCTION ACTIVITIES DISTURB ADJACENT AND/OR RIGHT-OF-WAY PROPERTIES, COORDINATION WITH PROPERTY OWNERS IS REQUIRED PRIOR TO CONSTRUCTION.

**EROSION CONTROL LEGEND**

	EXISTING INDEX CONTOUR		SILT FENCE		DIRECTION OF FLOW (HISTORIC)
	EXISTING INTERMEDIATE CONTOUR		CONSTRUCTION FENCE		DIRECTION OF FLOW (DEVELOPED)
	PROPOSED INDEX CONTOUR		TEMPORARY SLOPE DRAIN		ROOF DRAIN DOWNSPOUT
	PROPOSED INTERMEDIATE CONTOUR		DIVERSION DITCH		CONCRETE WASHOUT AREA
	LIMITS OF CONSTRUCTION/DISTURBANCE		SEDIMENT CONTROL LOG		TEMPORARY SEDIMENTATION POND
	INLET PROTECTION		CURB SOCK		EROSION CONTROL BLANKET
	OUTLET PROTECTION		ROCK CHECK DAM		CHANNEL STABILIZATION MATTING
	VEHICLE TRACKING CONTROL		SEEDING AND MULCHING		SURFACE ROUGHENING
	STRAW BALE EROSION BARRIER		STAGE STORAGE AREA		SEDIMENT CONTROL LOG (TYP)
	STOCKPILE AREA				



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**D49 TRANSPORTATION CENTER**  
**SCHOOL DISTRICT NO 49**  
11971 SWINGLINE ROAD  
PEYTON, CO 80831



SHEET TITLE  
**INITIAL EROSION CONTROL PLAN B**

WTA PROJECT NUMBER  
**2021-041.00**

DATE  
**12/14/2022**

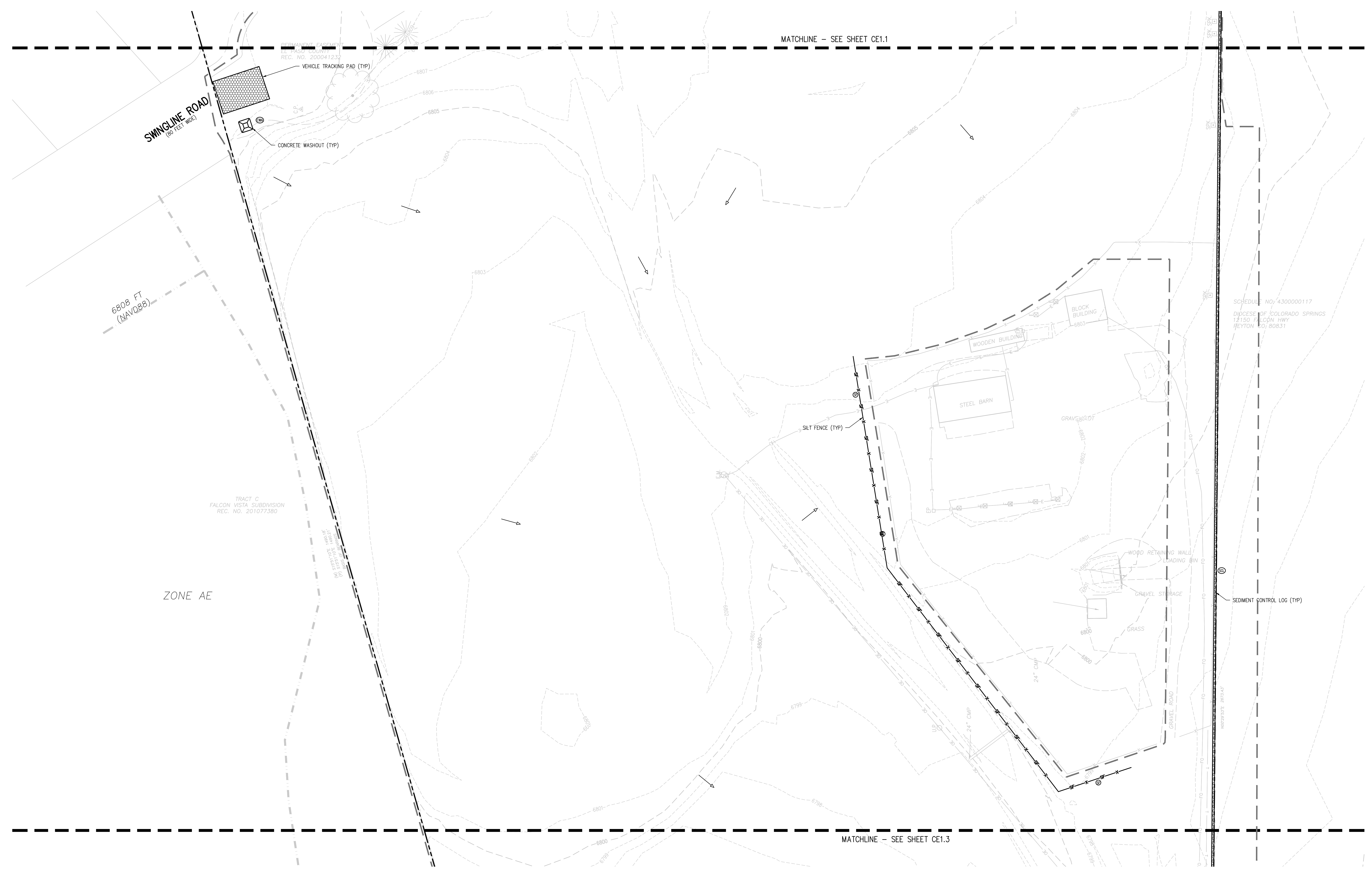
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#	DATE	DESCRIPTION
1	05/02/22	ADDENDUM 01
2	06/02/22	ADD-01
3	10/02/22	PH

DESIGNED BY: **TW/AMB**  
CHECKED BY: **CWK**

ISSUED FOR  
**CONSTRUCTION DOCUMENTS**

CE1.2



**EROSION AND SEDIMENTATION NOTES:**

- CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL CONTROLS DURING INITIAL, INTERIM, AND FINAL CONDITIONS.
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**EROSION CONTROL LEGEND**

	EXISTING INDEX CONTOUR		SILT FENCE		DIRECTION OF FLOW (HISTORIC)
	EXISTING INTERMEDIATE CONTOUR		CONSTRUCTION FENCE		DIRECTION OF FLOW (DEVELOPED)
	PROPOSED INDEX CONTOUR		CONCRETE WASHOUT AREA		ROOF DRAIN DOWNSPOUT
	PROPOSED INTERMEDIATE CONTOUR		TEMPORARY SLOPE DRAIN		CONCRETE WASHOUT AREA
	LIMITS OF CONSTRUCTION/DISTURBANCE		DIVERSION DITCH		TEMPORARY SEDIMENTATION POND
	INLET PROTECTION		SEDIMENT CONTROL LOG		EROSION CONTROL BLANKET
	OUTLET PROTECTION		CURB SOCK		CHANNEL STABILIZATION MATTING
	VEHICLE TRACKING CONTROL		ROCK CHECK DAM		SURFACE ROUGHENING
	STRAW BALE EROSION BARRIER		SEEDING AND MULCHING		STAGE STORAGE AREA
	STOCKPILE AREA				

**VICINITY MAP**

SCALE IN FEET EPC 1/4/2023

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**D49 TRANSPORTATION CENTER  
SCHOOL DISTRICT NO 49**  
11971 SWINGLINE ROAD  
PEYTON, CO 80831



SHEET TITLE  
**INITIAL  
EROSION  
CONTROL PLAN  
C**

WTA PROJECT NUMBER  
**2021-041.00**

DATE  
**12/14/2022**

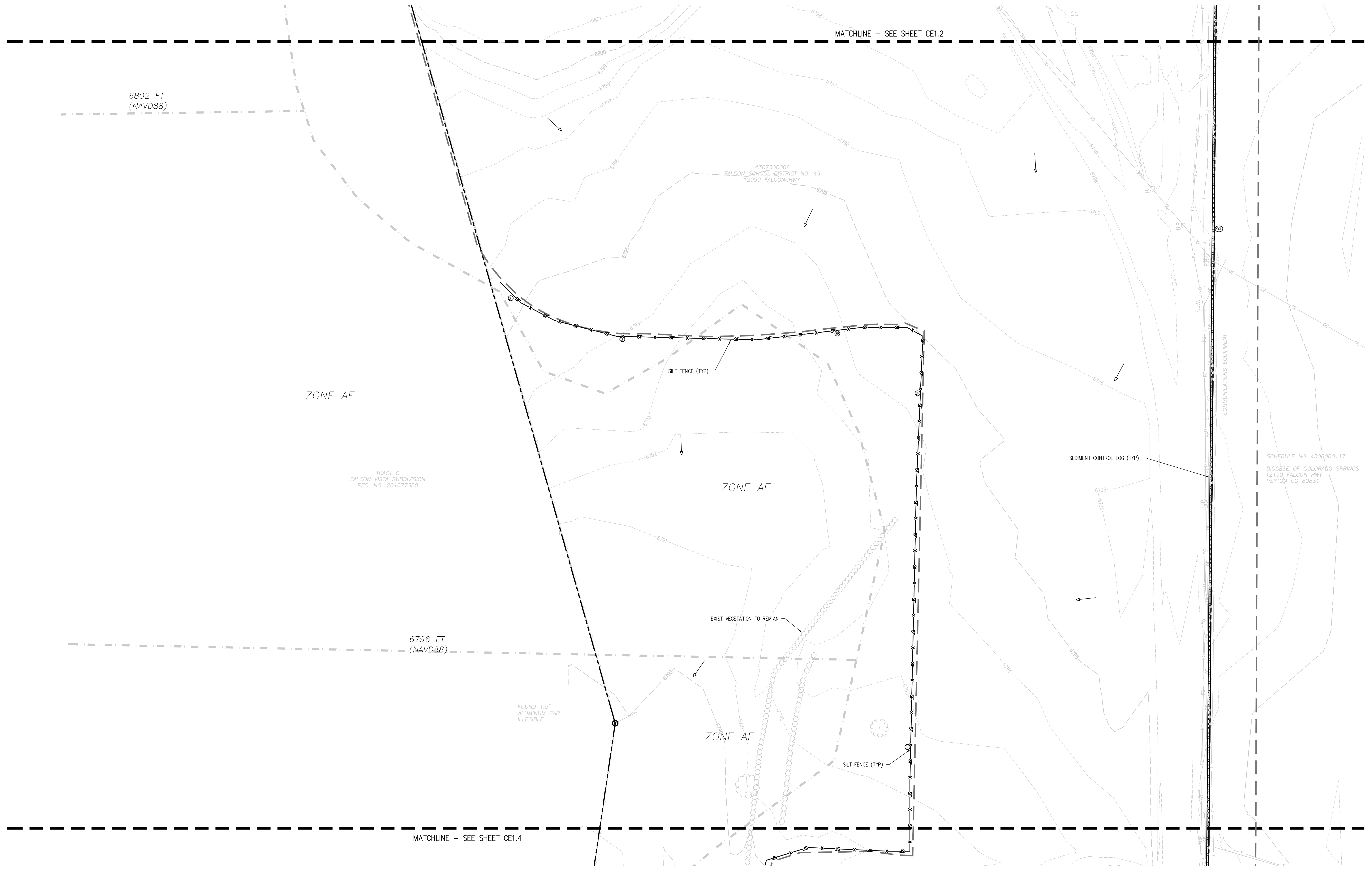
REVISIONS

#	DATE	DESCRIPTION
1	05/02/2022	ADDENDUM 01
2	06/02/2022	ADD-01
3	10/02/2022	PH1

DESIGNED BY: **CONSTRUCTION DOCUMENTS**

CHECKED BY: **T.W. AMBROSIO**

APPROVED BY: **CWK/HCM**

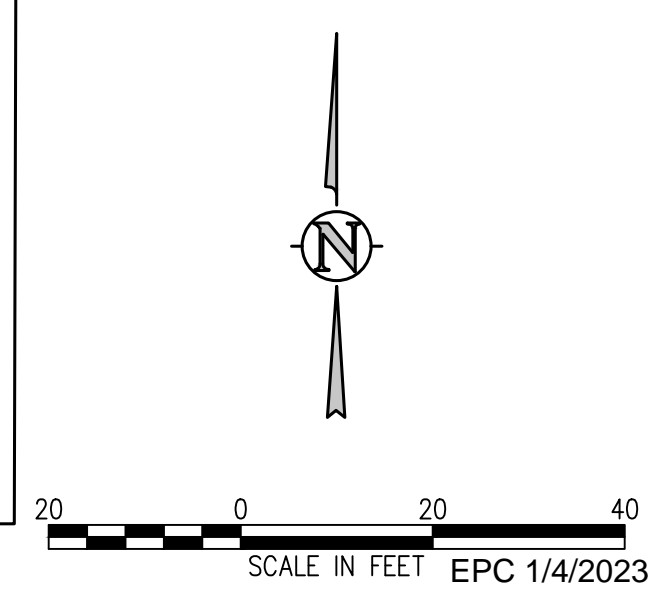
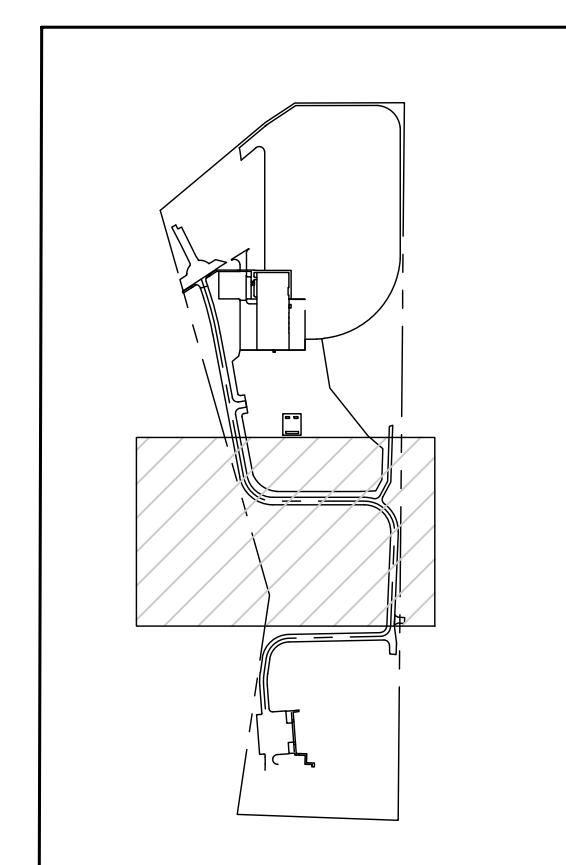


**EROSION AND SEDIMENTATION NOTES:**

- CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL CONTROLS DURING INITIAL, INTERIM, AND FINAL CONDITIONS.
- ALL CONTROLS SHALL BE INSTALLED WITHIN THE PROPERTY LINES UNLESS OTHERWISE SPECIFIED. WHEN CONSTRUCTION ACTIVITIES DISTURB ADJACENT AND/OR RIGHT-OF-WAY PROPERTIES, COORDINATION WITH PROPERTY OWNERS IS REQUIRED PRIOR TO CONSTRUCTION.

**EROSION CONTROL LEGEND**

	EXISTING INDEX CONTOUR		SILT FENCE		DIRECTION OF FLOW (HISTORIC)
	EXISTING INTERMEDIATE CONTOUR		CONSTRUCTION FENCE		DIRECTION OF FLOW (DEVELOPED)
	PROPOSED INDEX CONTOUR		TEMPORARY SLOPE DRAIN		ROOF DRAIN DOWNSPOUT
	PROPOSED INTERMEDIATE CONTOUR		DIVERSION DITCH		CONCRETE WASHOUT AREA
	LIMITS OF CONSTRUCTION/DISTURBANCE		SEDIMENT CONTROL LOG		TEMPORARY SEDIMENTATION POND
	INLET PROTECTION		CURB SOCK		EROSION CONTROL BLANKET
	OUTLET PROTECTION		ROCK CHECK DAM		CHANNEL STABILIZATION MATTING
	VEHICLE TRACKING CONTROL		SEEDING AND MULCHING		SURFACE ROUGHENING
	STRAW BALE EROSION BARRIER		STAGE STORAGE AREA		
	STOCKPILE AREA				



**D49 TRANSPORTATION CENTER**  
**SCHOOL DISTRICT NO 49**  
11971 SWINGLINE ROAD  
PEYTON, CO 80831



WTA PROJECT NUMBER  
**2021-041.00**  
DATE  
**12/14/2022**

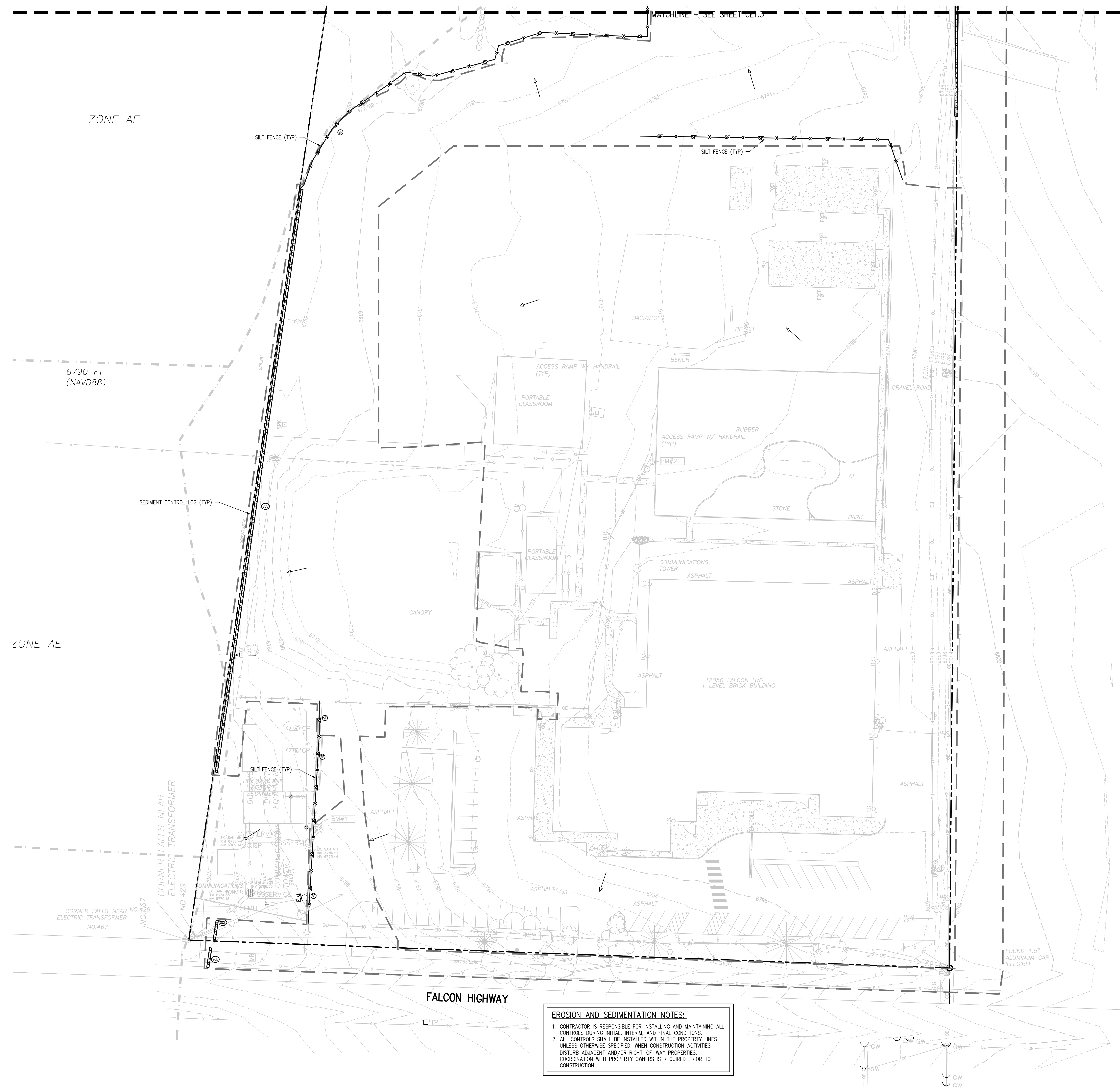
NO.	DATE	DESCRIPTION
1	05/02/2022	ADDENDUM 01
2	06/02/2022	ADD-01
3	10/02/2022	PH

DESIGNED BY  
**TWK/AMB**

CHECKED BY  
**CWK**

ISSUED FOR  
**CONSTRUCTION DOCUMENTS**

CE1.4

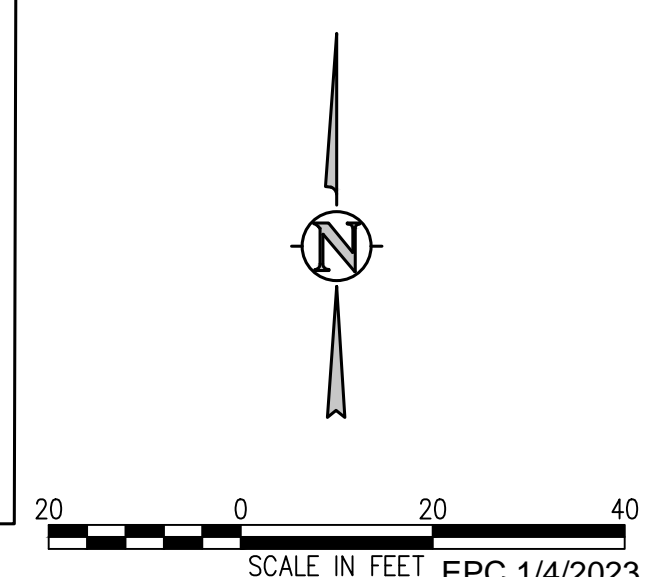
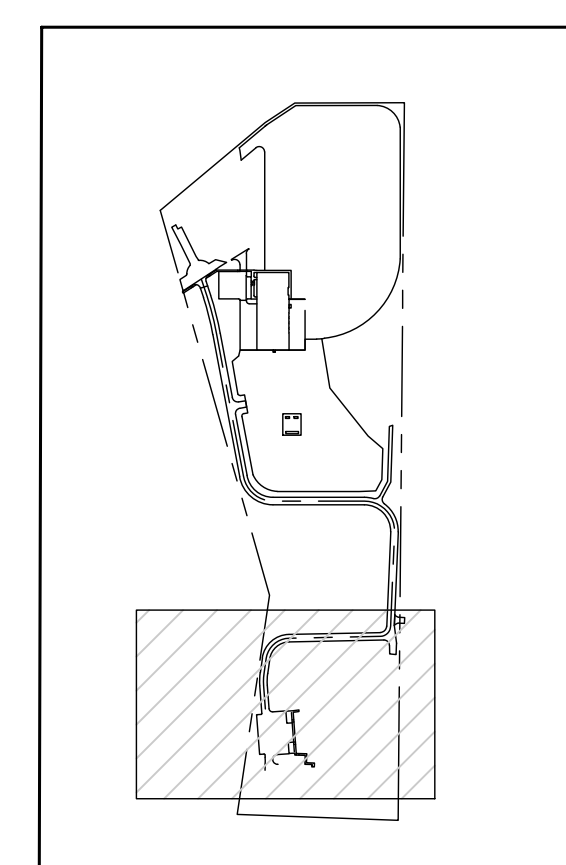


**EROSION CONTROL LEGEND**

- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- LIMITS OF CONSTRUCTION/DISTURBANCE
- INLET PROTECTION
- OUTLET PROTECTION
- VEHICLE TRACKING CONTROL
- STRAW BALE EROSION BARRIER
- STOCKPILE AREA
- SILT FENCE
- CONSTRUCTION FENCE
- TEMPORARY SLOPE DRAIN
- DIVERSION DITCH
- SEDIMENT CONTROL LOG
- CURB SOCK
- ROCK CHECK DAM
- SEEDING AND MULCHING
- DIRECTION OF FLOW (HISTORIC)
- DIRECTION OF FLOW (DEVELOPED)
- ROOF DRAIN DOWNSPOUT
- CONCRETE WASHOUT AREA
- TEMPORARY SEDIMENTATION POND
- EROSION CONTROL BLANKET
- CHANNEL STABILIZATION MATTING
- SURFACE ROUGHENING
- STAGE STORAGE AREA

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J:\MS65\Drawings\MS65-EC-ECP-01.dwg, 12/15/2022 - 5:03 PM, RBR

**D49 TRANSPORTATION CENTER  
SCHOOL DISTRICT NO 49**  
11971 SWINGLINE ROAD  
PEYTON, CO 80831



SHEET TITLE  
**INTERIM  
EROSION  
CONTROL PLAN  
A**

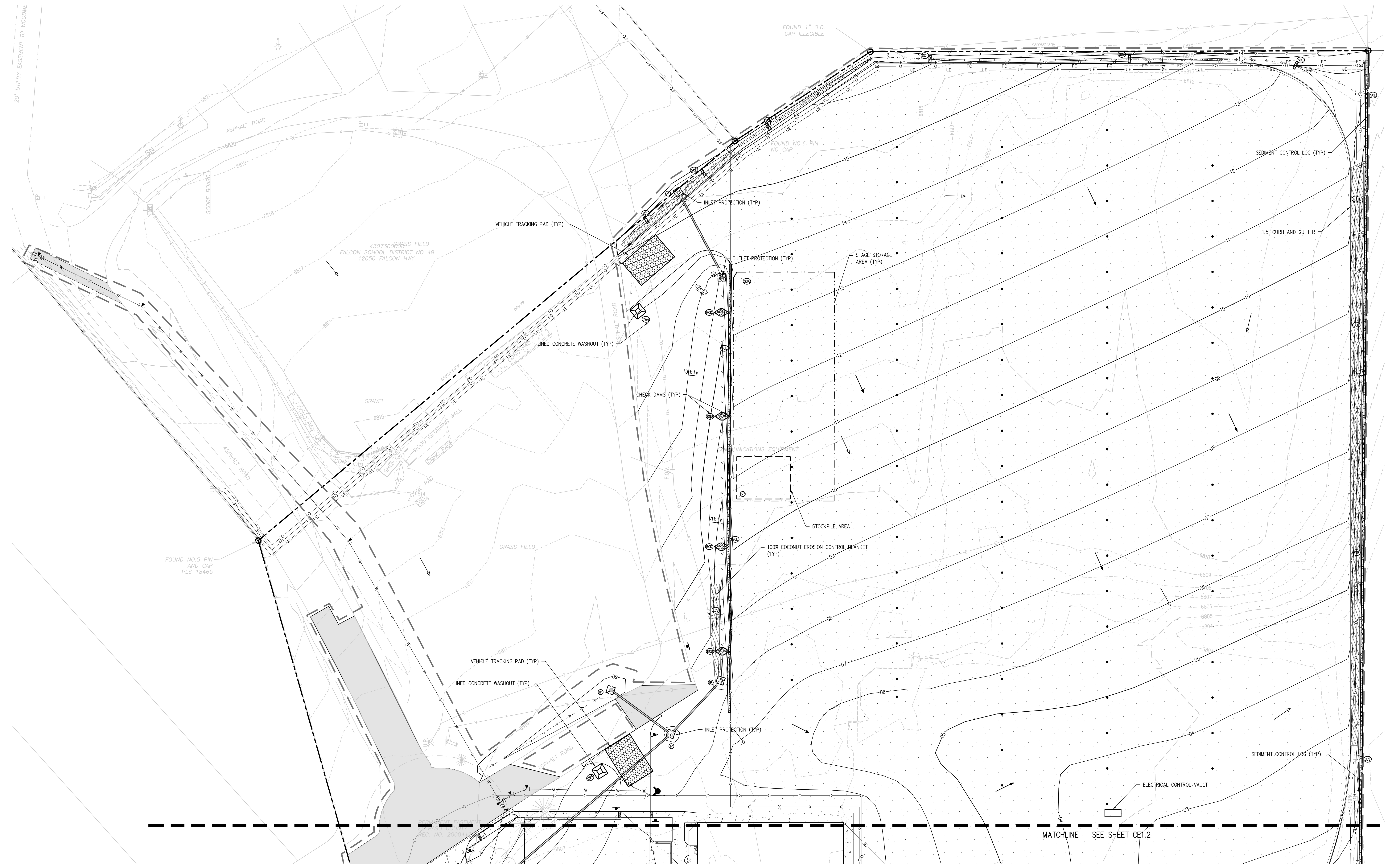
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**2021-041.00**  
DATE  
**12/14/2022**  
REVISIONS

#	DATE	DESCRIPTION
1	05/02/2022	ADDENDUM 01
2	06/02/2022	ADD-01
3	10/02/2022	REV

DESIGNED BY: **CKW/HCM**  
DRAWN BY: **TWW/AMB**  
CHECKED BY: **CKW**

ISSUED FOR  
**CONSTRUCTION  
DOCUMENTS**

**CE1.5**

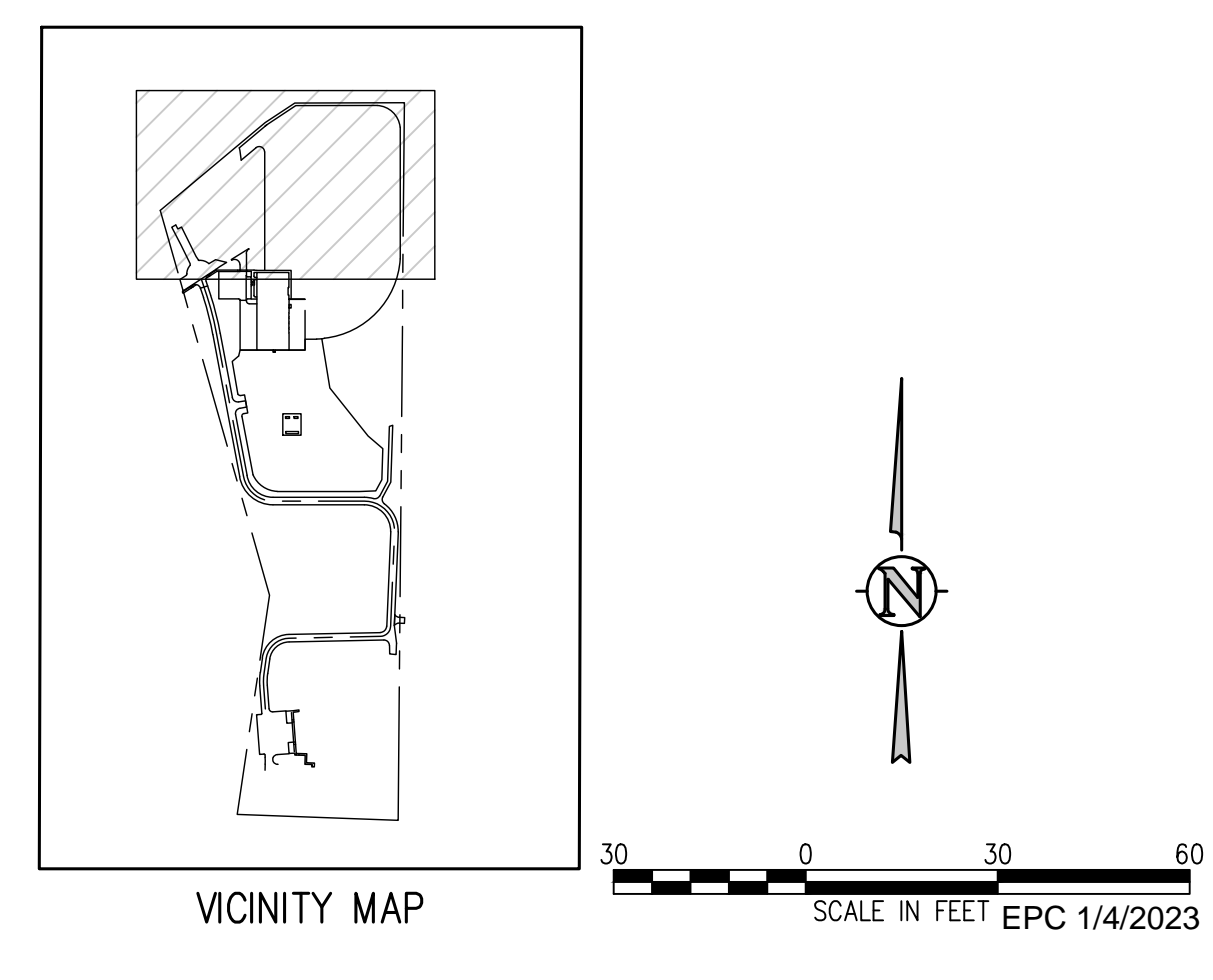


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**EROSION CONTROL LEGEND**

	EXISTING INDEX CONTOUR		SILT FENCE		DIRECTION OF FLOW (HISTORIC)
	EXISTING INTERMEDIATE CONTOUR		CONSTRUCTION FENCE		DIRECTION OF FLOW (DEVELOPED)
	PROPOSED INDEX CONTOUR		TEMPORARY SLOPE DRAIN		ROOF DRAIN DOWNSPOUT
	PROPOSED INTERMEDIATE CONTOUR		DIVERSION DITCH		CONCRETE WASHOUT AREA
	LIMITS OF CONSTRUCTION/DISTURBANCE		SEDIMENT CONTROL LOG		TEMPORARY SEDIMENTATION POND
	INLET PROTECTION		CURB SOCK		EROSION CONTROL BLANKET
	OUTLET PROTECTION		ROCK CHECK DAM		CHANNEL STABILIZATION MATTING
	VEHICLE TRACKING CONTROL		SEEDING AND MULCHING		SURFACE ROUGHENING
	STRAW BALE EROSION BARRIER				STAGE STORAGE AREA
	STOCKPILE AREA				





**D49 TRANSPORTATION CENTER  
SCHOOL DISTRICT NO 49**  
11971 SWINGLINE ROAD  
PEYTON, CO 80831

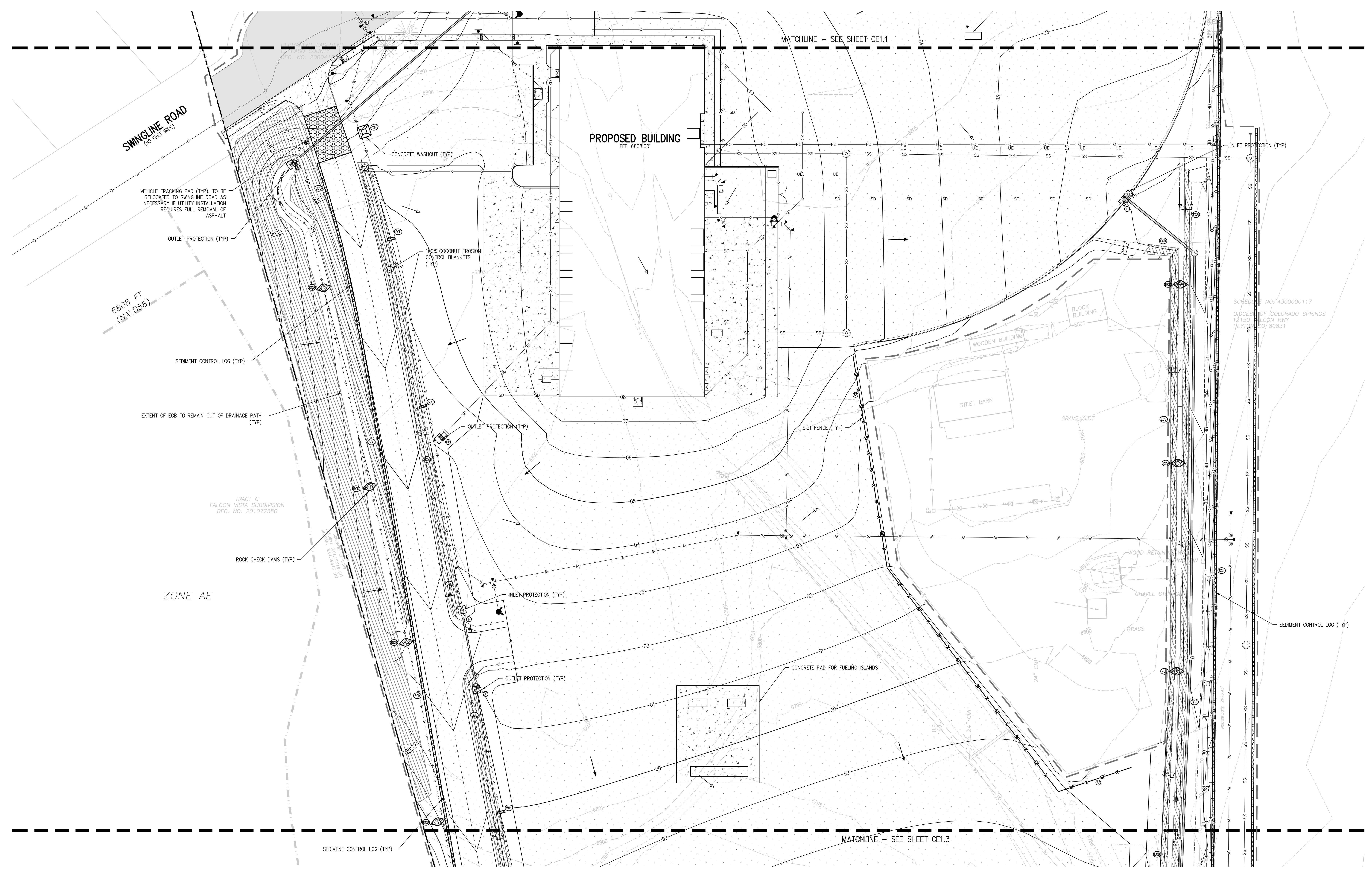


SHEET TITLE  
**INTERIM  
EROSION  
CONTROL PLAN  
B**

WTA PROJECT NUMBER  
**2021-041.00**  
DATE  
**12/14/2022**  
REVISIONS

#	DATE	DESCRIPTION
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2	06/02/2022	ADD-01
3	10/02/2022	REV

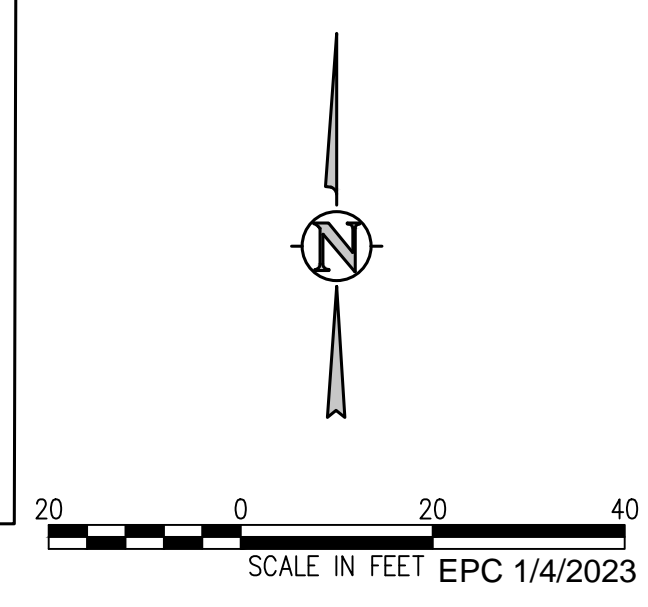
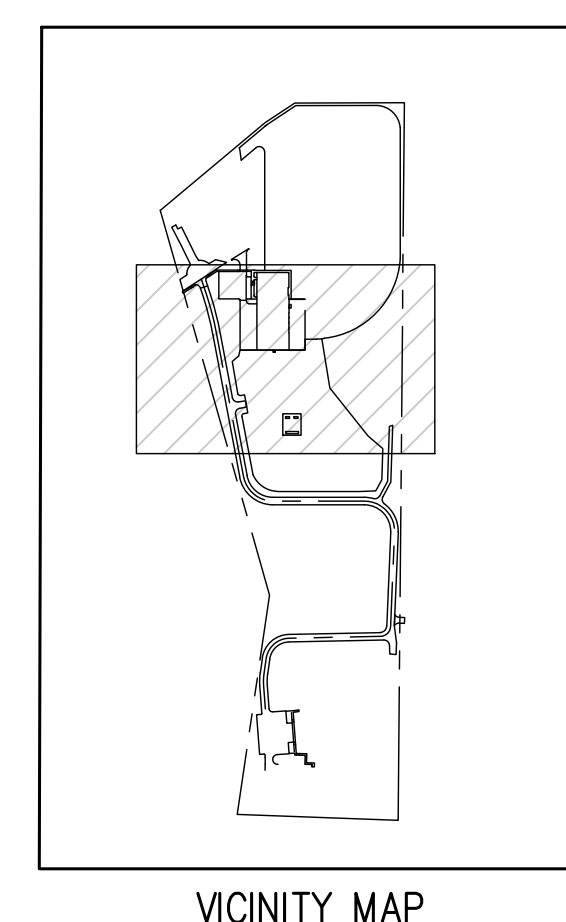
DESIGNED BY: **T.W. AMBROSE**  
CHECKED BY: **CWK**  
SCALE FOR CONSTRUCTION DOCUMENTS  
1"=10'



**EROSION AND SEDIMENTATION NOTES:**  
1. CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL CONTROLS DURING INITIAL, INTERIM, AND FINAL CONDITIONS.  
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**EROSION CONTROL LEGEND**

	EXISTING INDEX CONTOUR		SILT FENCE		DIRECTION OF FLOW (HISTORIC)
	EXISTING INTERMEDIATE CONTOUR		CONSTRUCTION FENCE		DIRECTION OF FLOW (DEVELOPED)
	PROPOSED INDEX CONTOUR		TEMPORARY SLOPE DRAIN		ROOF DRAIN DOWNSPOUT
	PROPOSED INTERMEDIATE CONTOUR		DIVERSION DITCH		CONCRETE WASHOUT AREA
	LIMITS OF CONSTRUCTION/DISTURBANCE		SEDIMENT CONTROL LOG		TEMPORARY SEDIMENTATION POND
	INLET PROTECTION		CURB SOCK		EROSION CONTROL BLANKET
	OUTLET PROTECTION		ROCK CHECK DAM		CHANNEL STABILIZATION MATTING
	VEHICLE TRACKING CONTROL		SEEDING AND MULCHING		SURFACE ROUGHENING
	STRAW BALE EROSION BARRIER		STAGE STORAGE AREA		
	STOCKPILE AREA				



**D49 TRANSPORTATION CENTER  
SCHOOL DISTRICT NO 49**  
11971 SWINGLINE ROAD  
PEYTON, CO 80831



PROJECT TITLE  
**INTERIM  
EROSION  
CONTROL PLAN  
C**

WTA PROJECT NUMBER  
**2021-041.00**

DATE  
**12/14/2022**

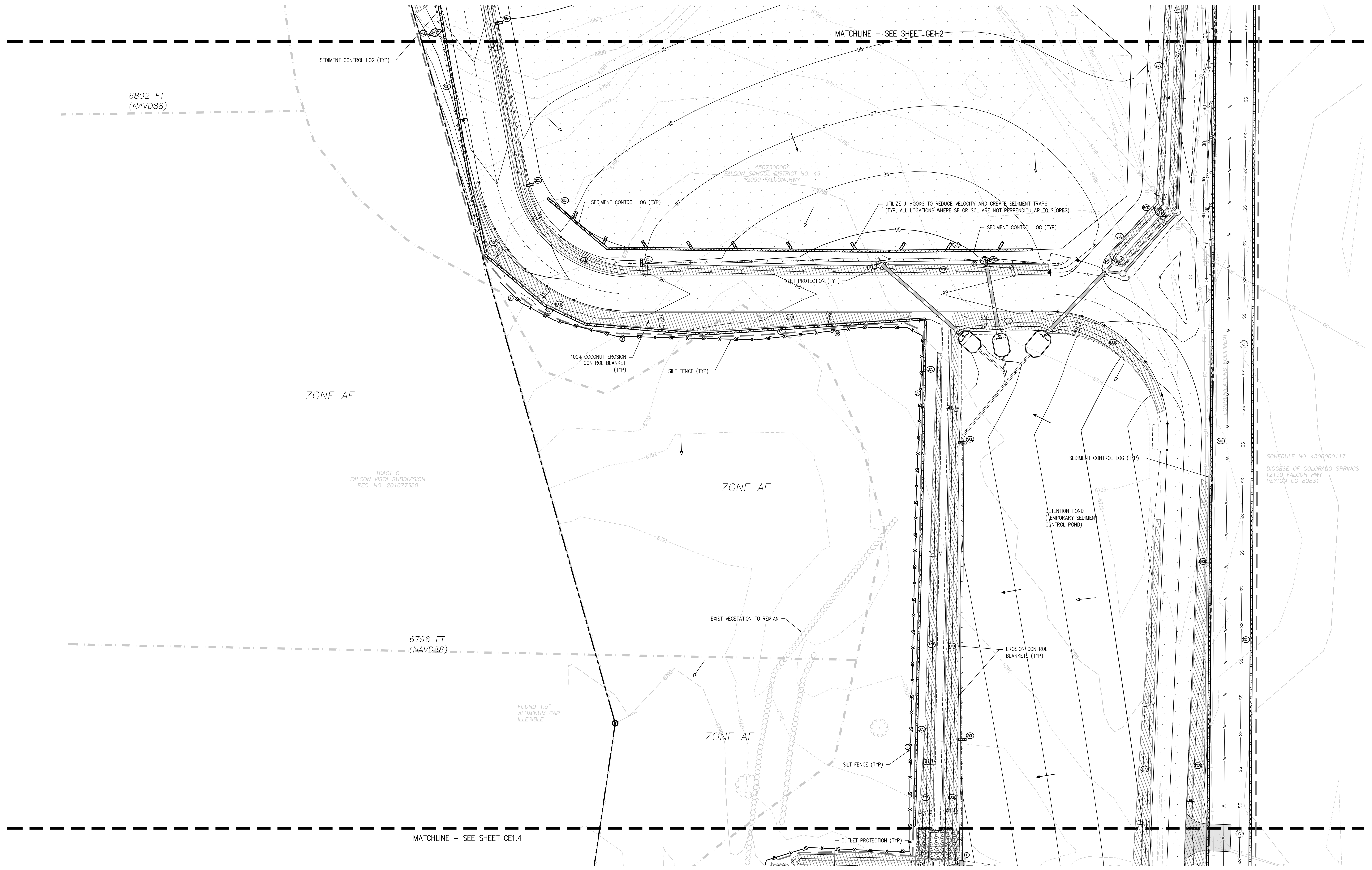
REVISIONS

#	DATE	DESCRIPTION
1	05/02/22	ADDENDUM 01
2	06/02/22	ADD-01
3	10/02/22	PH

ISSUED FOR  
**CONSTRUCTION  
DOCUMENTS**

DATE APPROVAL: **CWK/HCM**  
PREPARED BY: **TW/AMB**  
CHECKED BY: **CWK**

SCALE IN FEET EPC 1/4/2023  
**CE1.7**

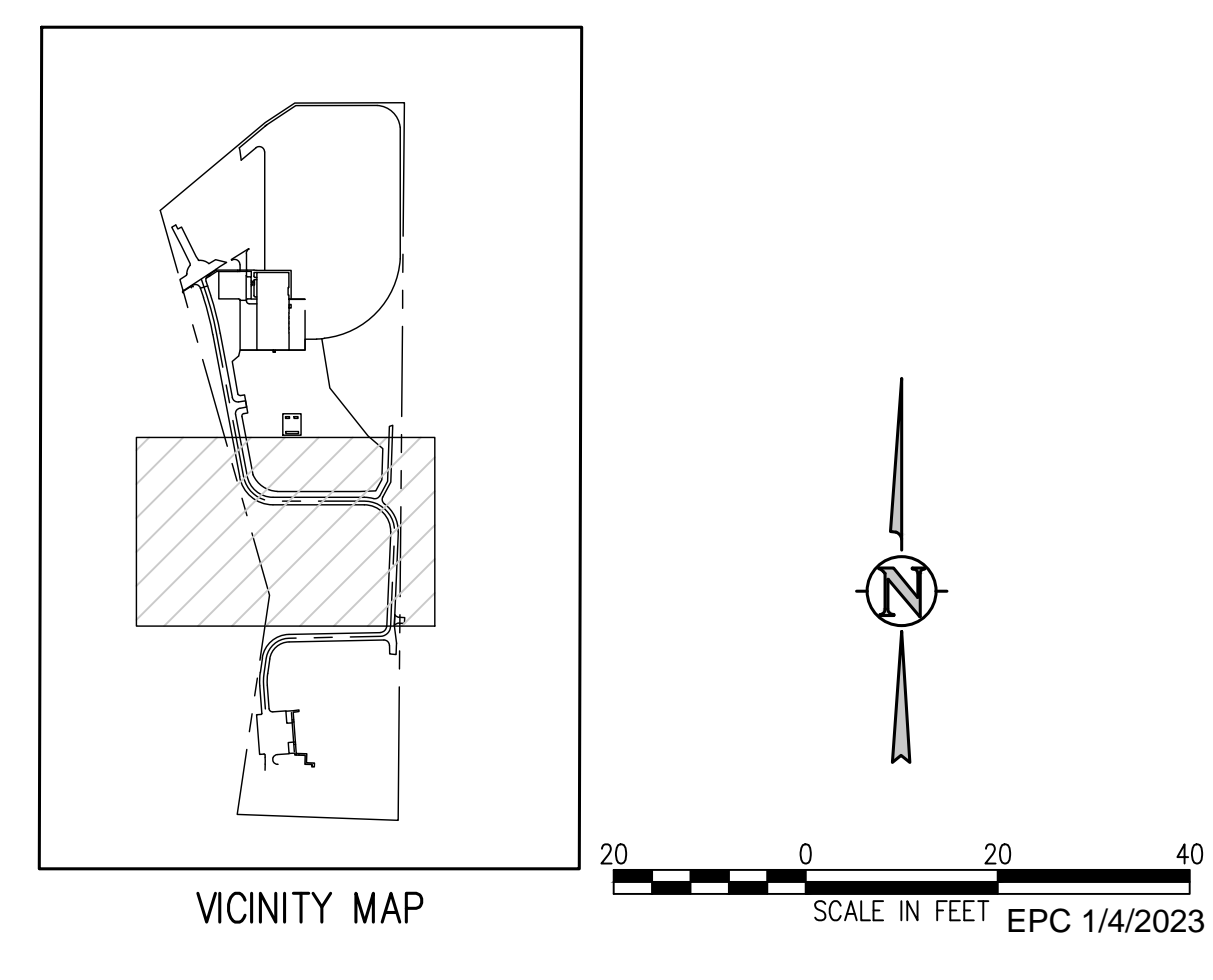


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**EROSION CONTROL LEGEND**

	EXISTING INDEX CONTOUR		SILT FENCE		DIRECTION OF FLOW (HISTORIC)
	EXISTING INTERMEDIATE CONTOUR		CONSTRUCTION FENCE		DIRECTION OF FLOW (DEVELOPED)
	PROPOSED INDEX CONTOUR		TEMPORARY SLOPE DRAIN		CONCRETE WASHOUT AREA
	PROPOSED INTERMEDIATE CONTOUR		DIVERSION DITCH		TEMPORARY SEDIMENTATION POND
	LIMITS OF CONSTRUCTION/DISTURBANCE		SEDIMENT CONTROL LOG		EROSION CONTROL BLANKET
	INLET PROTECTION		CURB SOCK		CHANNEL STABILIZATION MATTING
	OUTLET PROTECTION		ROCK CHECK DAM		SURFACE ROUGHENING
	VEHICLE TRACKING CONTROL		SEEDING AND MULCHING		STAGE STORAGE AREA
	STRAW BALE EROSION BARRIER				
	STOCKPILE AREA				



J:\M566\Drawings\M566-CE-EPC-02.dwg, 12/15/2022, 5:04 PM, TRB

**D49 TRANSPORTATION CENTER**  
**SCHOOL DISTRICT NO 49**  
11971 SWINGLINE ROAD  
PEYTON, CO 80831



PROJECT TITLE  
**INTERIM  
EROSION  
CONTROL PLAN  
D**

DATE PROJECT NUMBER  
**2021-041.00**

DATE  
**12/14/2022**

NO.	DATE	DESCRIPTION
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2	06/20/2022	ADD-01
3	10/02/2022	REV

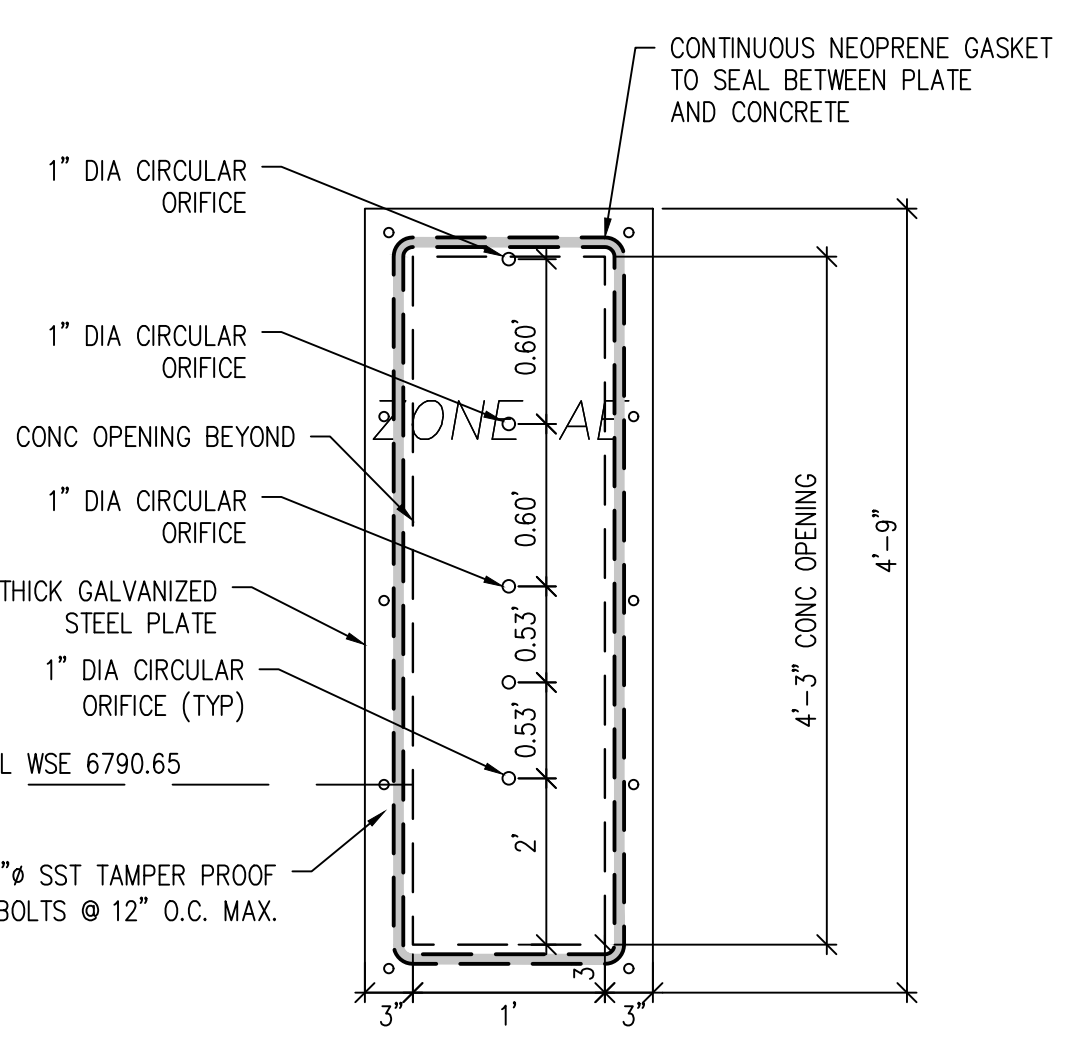
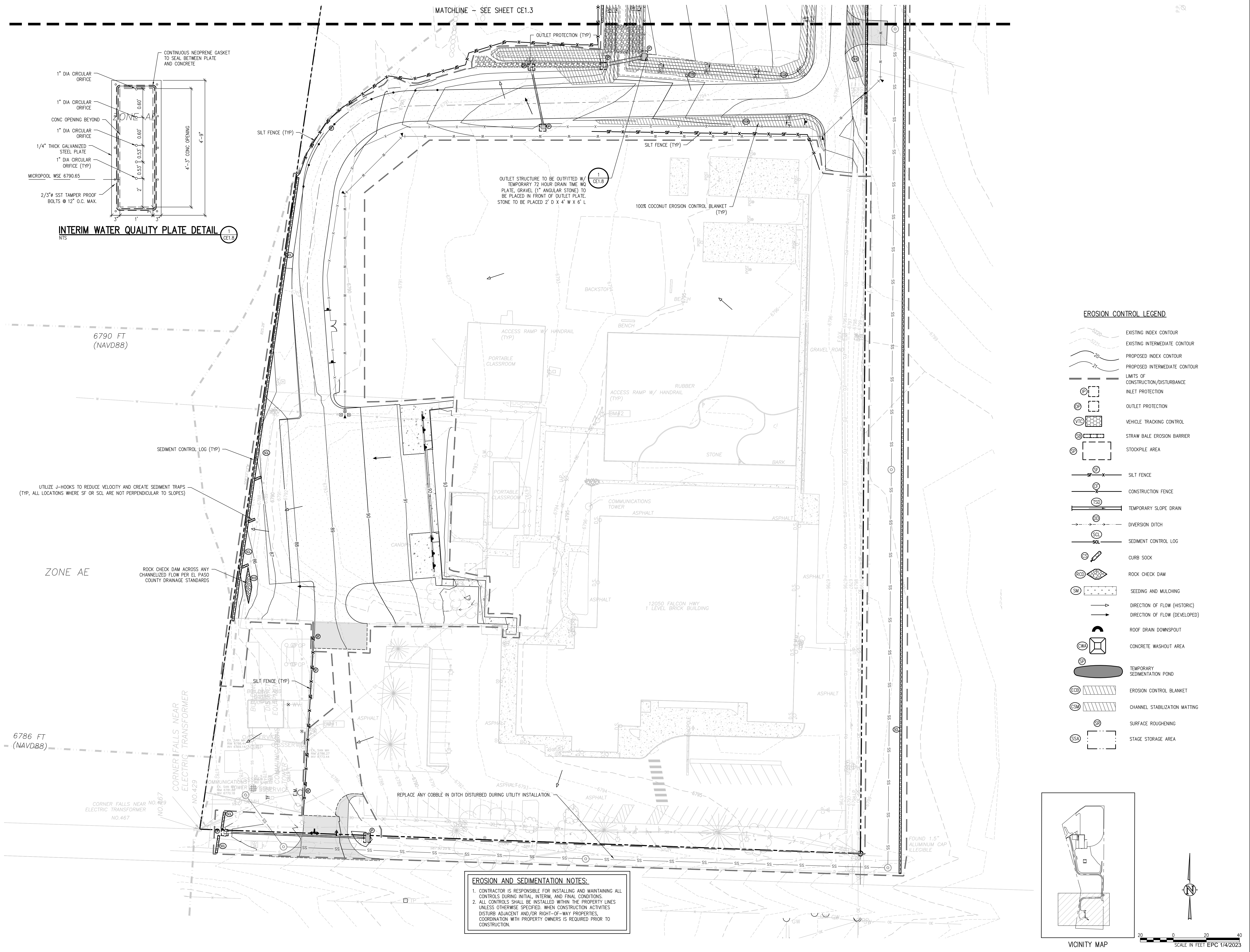
DESIGNED BY  
**TW/AMB**

CHECKED BY  
**CWK**

ISSUED FOR  
**CONSTRUCTION  
DOCUMENTS**

**CE1.8**

MATCHLINE - SEE SHEET CE1.3



**INTERIM WATER QUALITY PLATE DETAIL**  
NTS

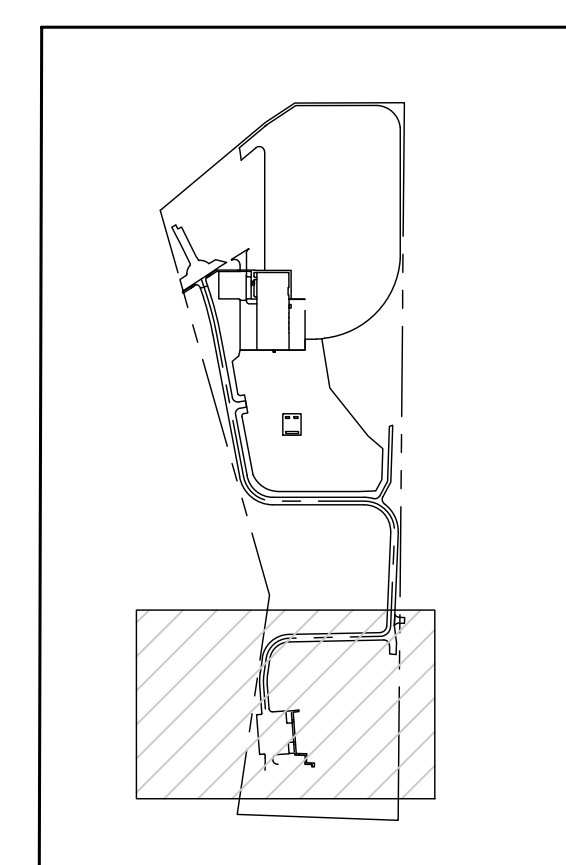
OUTLET STRUCTURE TO BE OUTFITTED W/  
TEMPORARY 72 HOUR DRAIN TIME WQ  
PLATE. GRAVEL (1" ANGULAR STONE) TO  
BE PLACED IN FRONT OF OUTLET PLATE.  
STONE TO BE PLACED 2' D X 4' W X 6' L

**EROSION CONTROL LEGEND**

- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- LIMITS OF CONSTRUCTION/DISTURBANCE
- INLET PROTECTION
- OUTLET PROTECTION
- VEHICLE TRACKING CONTROL
- STRAW BALE EROSION BARRIER
- STOCKPILE AREA
- SILT FENCE
- CONSTRUCTION FENCE
- TEMPORARY SLOPE DRAIN
- DIVERSION DITCH
- SEDIMENT CONTROL LOG
- CURB SOCK
- ROCK CHECK DAM
- SEEDING AND MULCHING
- DIRECTION OF FLOW (HISTORIC)
- DIRECTION OF FLOW (DEVELOPED)
- ROOF DRAIN DOWNSPOUT
- CONCRETE WASHOUT AREA
- TEMPORARY SEDIMENTATION POND
- EROSION CONTROL BLANKET
- CHANNEL STABILIZATION MATTING
- SURFACE ROUGHENING
- STAGE STORAGE AREA

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SCALE IN FEET EPC 1/4"/2023

J:\M562\Drawings\M562-CE-ESP-02.dwg, 12/15/2022, 5:04 PM, RTR

**D49 TRANSPORTATION CENTER  
SCHOOL DISTRICT NO 49**  
11971 SWINGLINE ROAD  
PEYTON, CO 80831



FINAL EROSION CONTROL PLAN A

WTA PROJECT NUMBER  
**2021-041.00**

DATE: **12/14/2022**

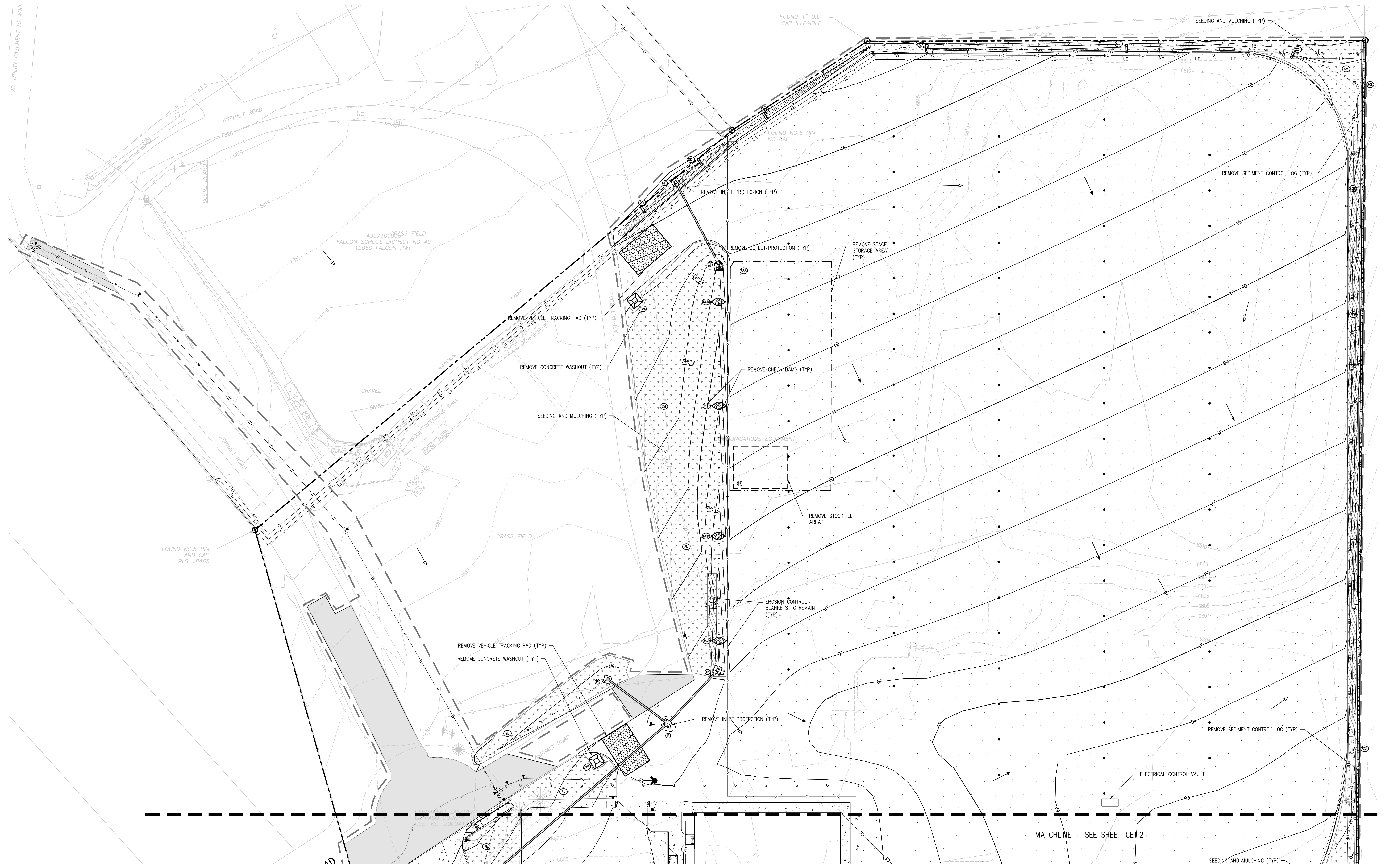
REVISIONS:

#	DATE	DESCRIPTION
1	05/02/22	ADDENDUM 01
2	06/02/22	ADD-01
3	10/02/22	REV

DESIGNED BY: **T.W. WILLIAMS**  
CHECKED BY: **CWK**

ISSUED FOR CONSTRUCTION DOCUMENTS

**CE1.9**

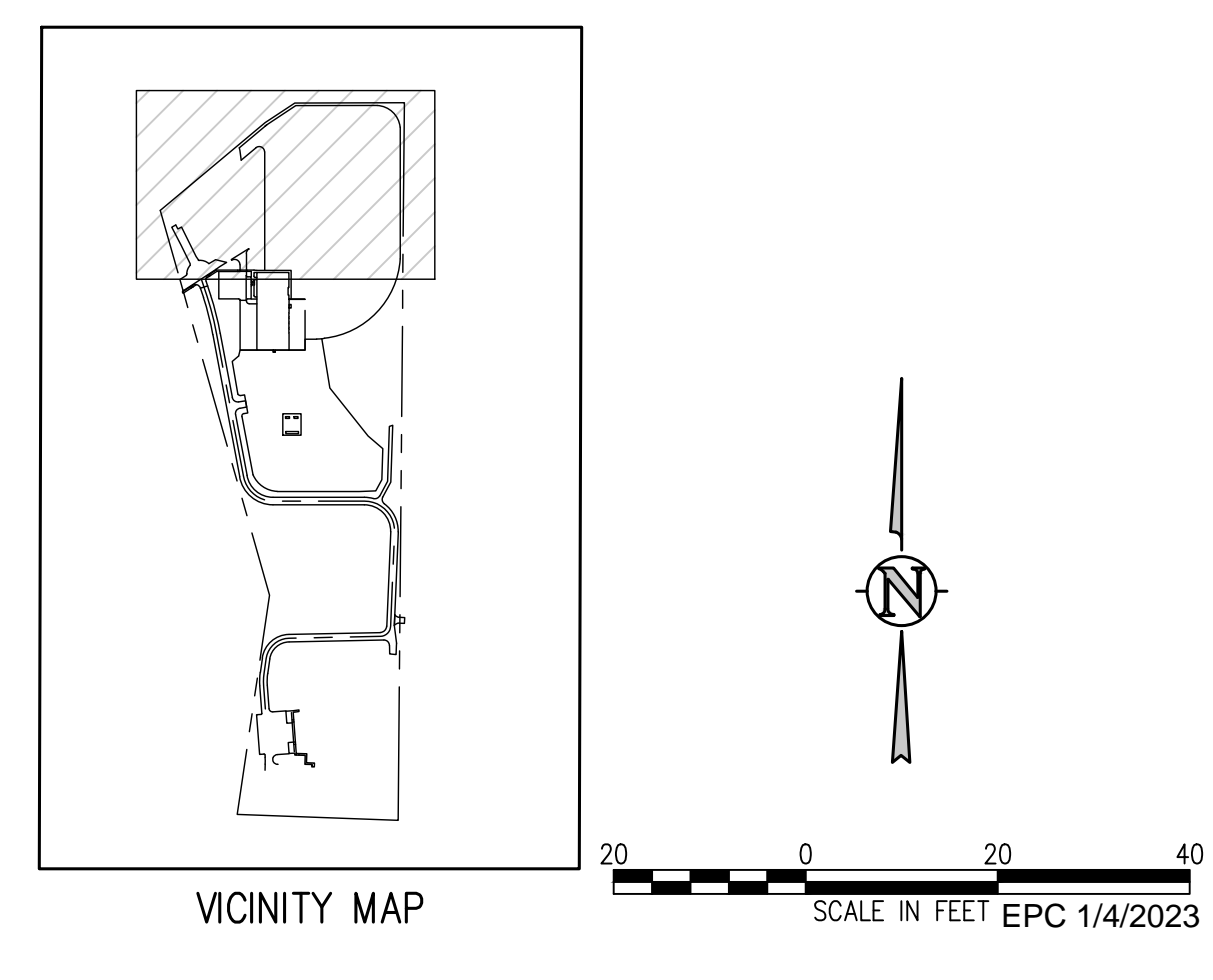


**EROSION AND SEDIMENTATION NOTES:**

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**EROSION CONTROL LEGEND**

	EXISTING INDEX CONTOUR		SILT FENCE		DIRECTION OF FLOW (HISTORIC)
	EXISTING INTERMEDIATE CONTOUR		CONSTRUCTION FENCE		DIRECTION OF FLOW (DEVELOPED)
	PROPOSED INDEX CONTOUR		CONCRETE WASHOUT AREA		ROOF DRAIN DOWNSPOUT
	PROPOSED INTERMEDIATE CONTOUR		TEMPORARY SLOPE DRAIN		SEDIMENT CONTROL LOG
	LIMITS OF CONSTRUCTION/DISTURBANCE		DIVERSION DITCH		TEMPORARY SEDIMENTATION POND
	INLET PROTECTION		SEDIMENT CONTROL BLANKET		CHANNEL STABILIZATION MATTING
	OUTLET PROTECTION		CURB SOCK		SURFACE ROUGHENING
	VEHICLE TRACKING CONTROL		ROCK CHECK DAM		STAGE STORAGE AREA
	STRAW BALE EROSION BARRIER		SEEDING AND MULCHING		
	STOCKPILE AREA				



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**D49 TRANSPORTATION CENTER  
SCHOOL DISTRICT NO 49**  
11971 SWINGLINE ROAD  
PEYTON, CO 80831



SHEET TITLE  
**FINAL EROSION CONTROL PLAN B**

WTA PROJECT NUMBER  
**2021-041.00**

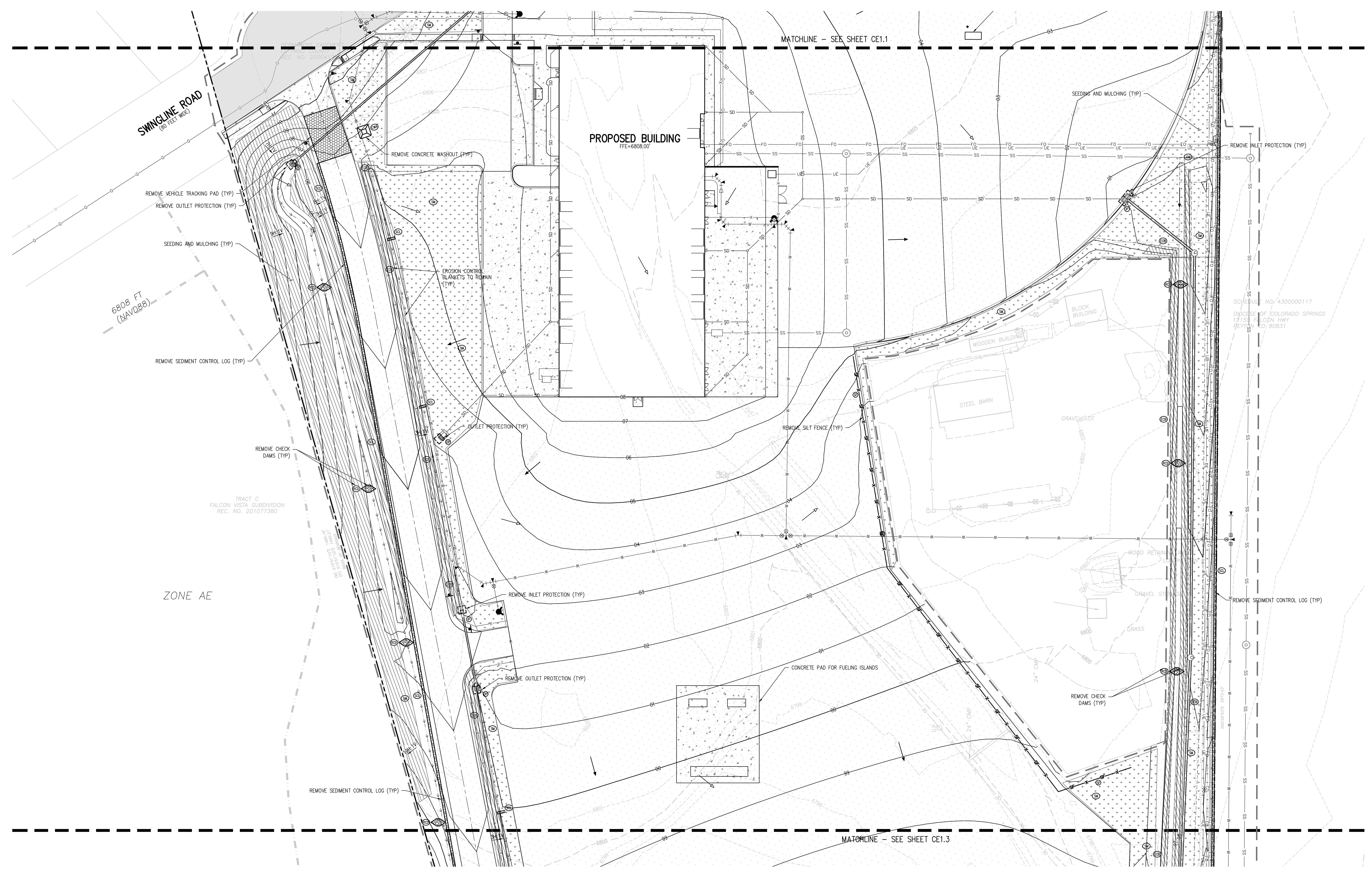
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REVISIONS

#	DATE	DESCRIPTION
1	05/02/2022	ADDENDUM 01
2	06/02/2022	ADD-01
3	10/02/2022	REV

DESIGNED BY: **TKW/HCM**  
CHECKED BY: **TWW/AMB**  
DATE FOR CONSTRUCTION DOCUMENTS: **12/14/2022**

**CE1.10**



**EROSION AND SEDIMENTATION NOTES:**

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EXISTING INDEX CONTOUR EXISTING INTERMEDIATE CONTOUR PROPOSED INDEX CONTOUR PROPOSED INTERMEDIATE CONTOUR LIMITS OF CONSTRUCTION/DISTURBANCE INLET PROTECTION OUTLET PROTECTION VEHICLE TRACKING CONTROL STRAW BALE EROSION BARRIER STOCKPILE AREA	<p><b>EROSION CONTROL LEGEND</b></p> SILT FENCE CONSTRUCTION FENCE TEMPORARY SLOPE DRAIN DIVERSION DITCH SEDIMENT CONTROL LOG CURB SOCK ROCK CHECK DAM SEEDING AND MULCHING	DIRECTION OF FLOW (HISTORIC) DIRECTION OF FLOW (DEVELOPED) ROOF DRAIN DOWNSPOUT CONCRETE WASHOUT AREA TEMPORARY SEDIMENTATION POND EROSION CONTROL BLANKET CHANNEL STABILIZATION MATTING SURFACE ROUGHENING STAGE STORAGE AREA	 VICINITY MAP  SCALE IN FEET EPC 1/4/2023
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**D49 TRANSPORTATION CENTER  
SCHOOL DISTRICT NO 49**  
11971 SWINGLINE ROAD  
PEYTON, CO 80831



SHEET TITLE  
**FINAL EROSION CONTROL PLAN C**

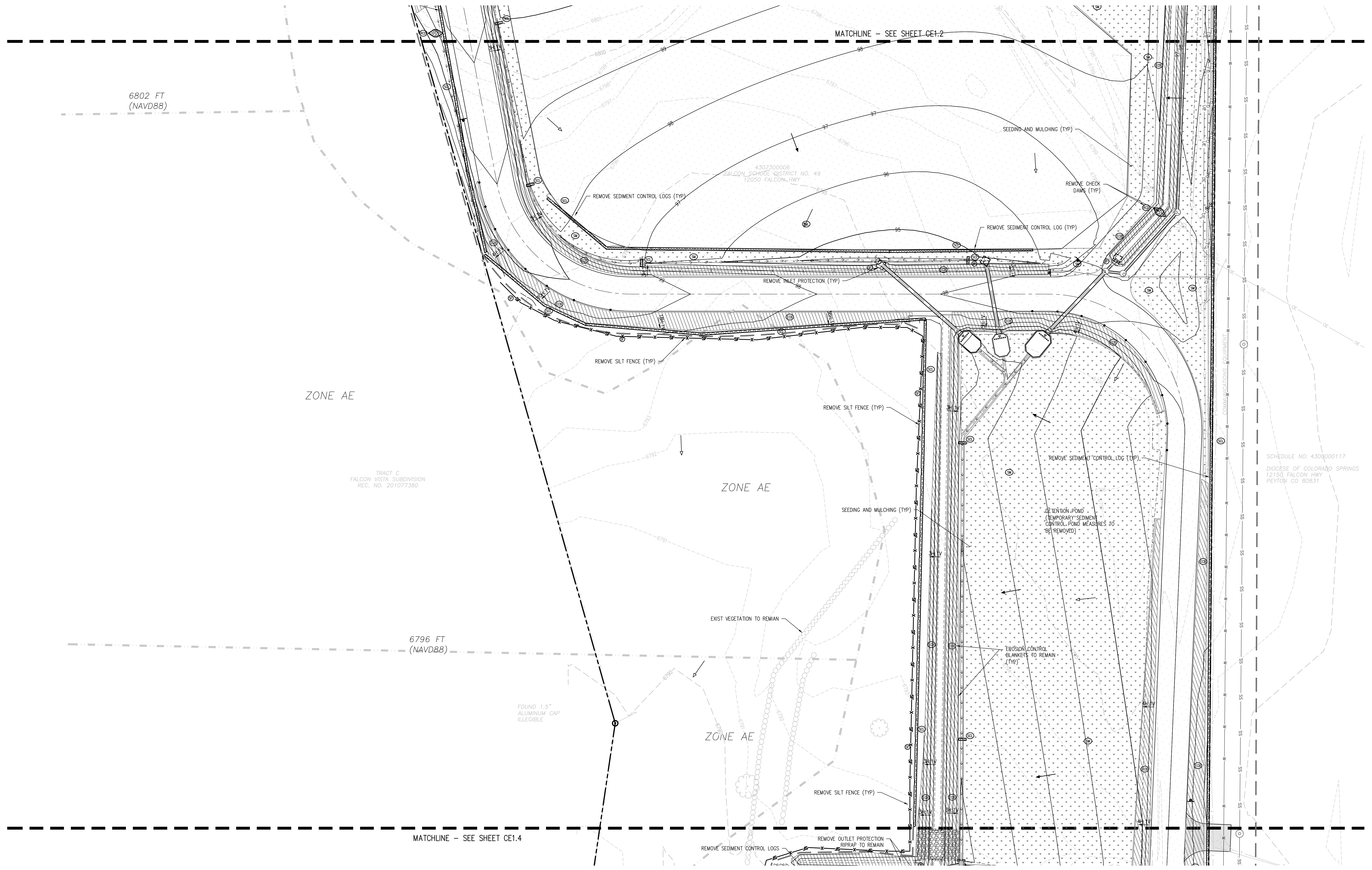
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**2021-041.00**

DATE  
**12/14/2022**

REVISIONS

#	DATE	DESCRIPTION
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2	06/02/22	ADD-01
3	10/02/22	PH1

ISSUED FOR  
**CONSTRUCTION DOCUMENTS**

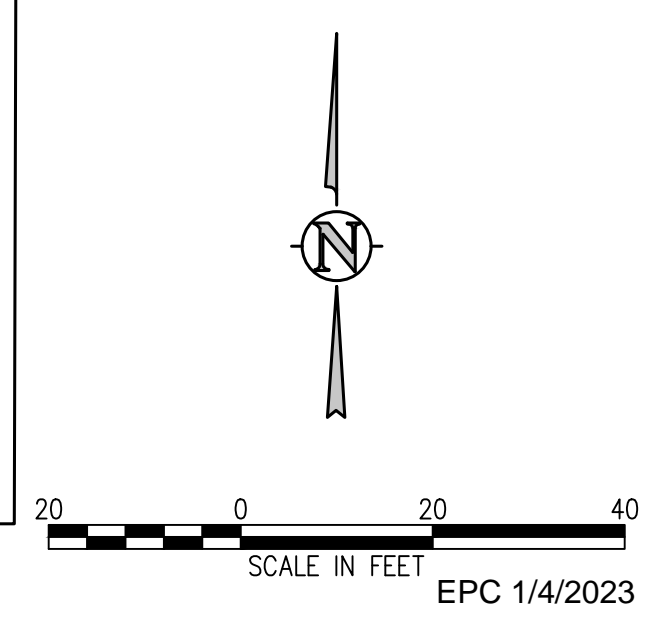
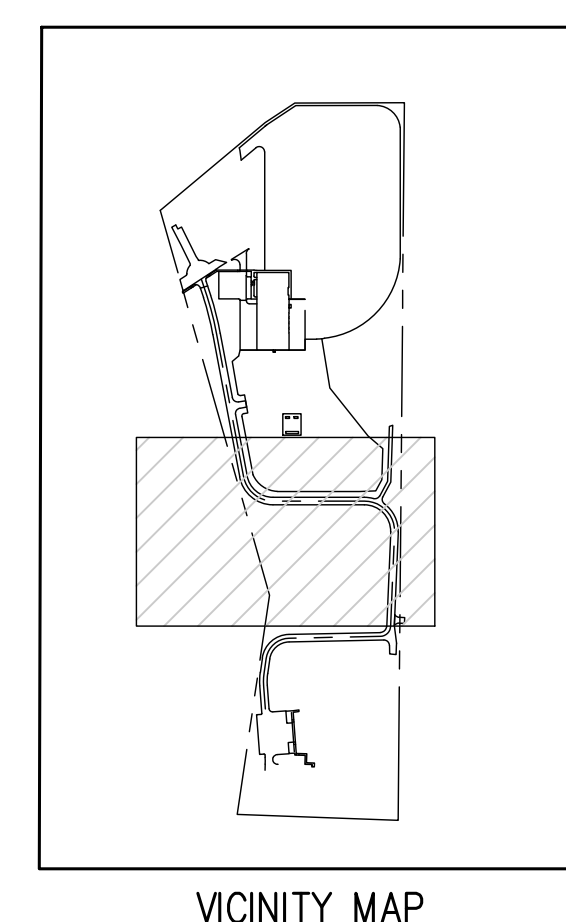


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**EROSION CONTROL LEGEND**

	EXISTING INDEX CONTOUR		SILT FENCE		DIRECTION OF FLOW (HISTORIC)
	EXISTING INTERMEDIATE CONTOUR		CONSTRUCTION FENCE		DIRECTION OF FLOW (DEVELOPED)
	PROPOSED INDEX CONTOUR		TEMPORARY SLOPE DRAIN		ROOF DRAIN DOWNSPOUT
	PROPOSED INTERMEDIATE CONTOUR		DIVERSION DITCH		CONCRETE WASHOUT AREA
	LIMITS OF CONSTRUCTION/DISTURBANCE		SEDIMENT CONTROL LOG		TEMPORARY SEDIMENTATION POND
	INLET PROTECTION		CURB SOCK		EROSION CONTROL BLANKET
	OUTLET PROTECTION		ROCK CHECK DAM		CHANNEL STABILIZATION MATTING
	VEHICLE TRACKING CONTROL		SEEDING AND MULCHING		SURFACE ROUGHENING
	STRAW BALE EROSION BARRIER		STAGE STORAGE AREA		
	STOCKPILE AREA				



**D49 TRANSPORTATION CENTER**  
**SCHOOL DISTRICT NO 49**  
11971 SWINGLINE ROAD  
PEYTON, CO 80831



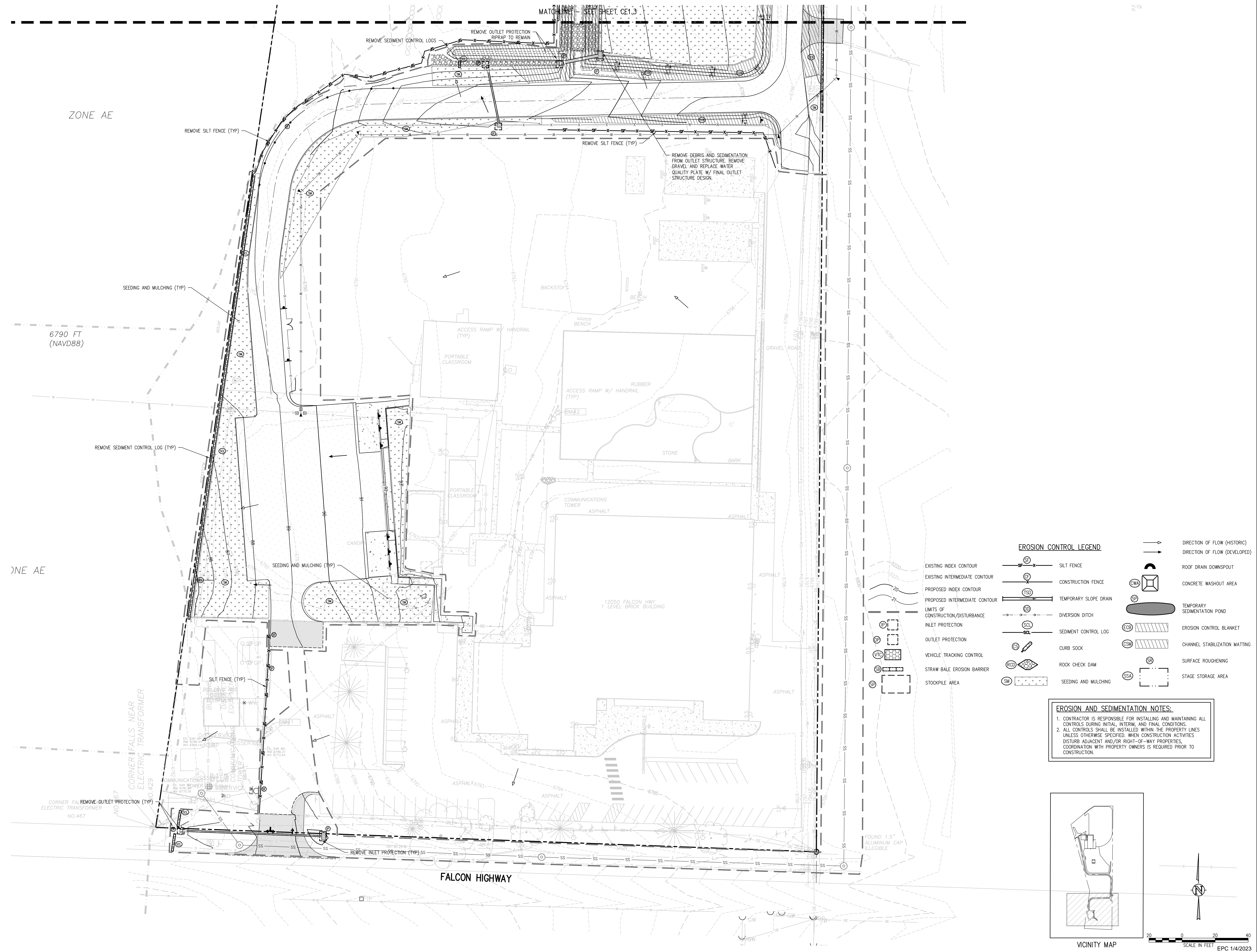
FINAL EROSION CONTROL PLAN D

PROJECT NUMBER: 2021-041-00  
DATE: 12/14/2022

NO.	DATE	DESCRIPTION
1	05/02/2022	ADDENDUM 01
2	06/20/2022	ADD-01
3	10/02/2022	PH

DESIGNED BY: CWK/HCM  
DRAWN BY: TWW/AMB  
CHECKED BY: CWK

CONSTRUCTION DOCUMENTS  
EPC 1/4/2023

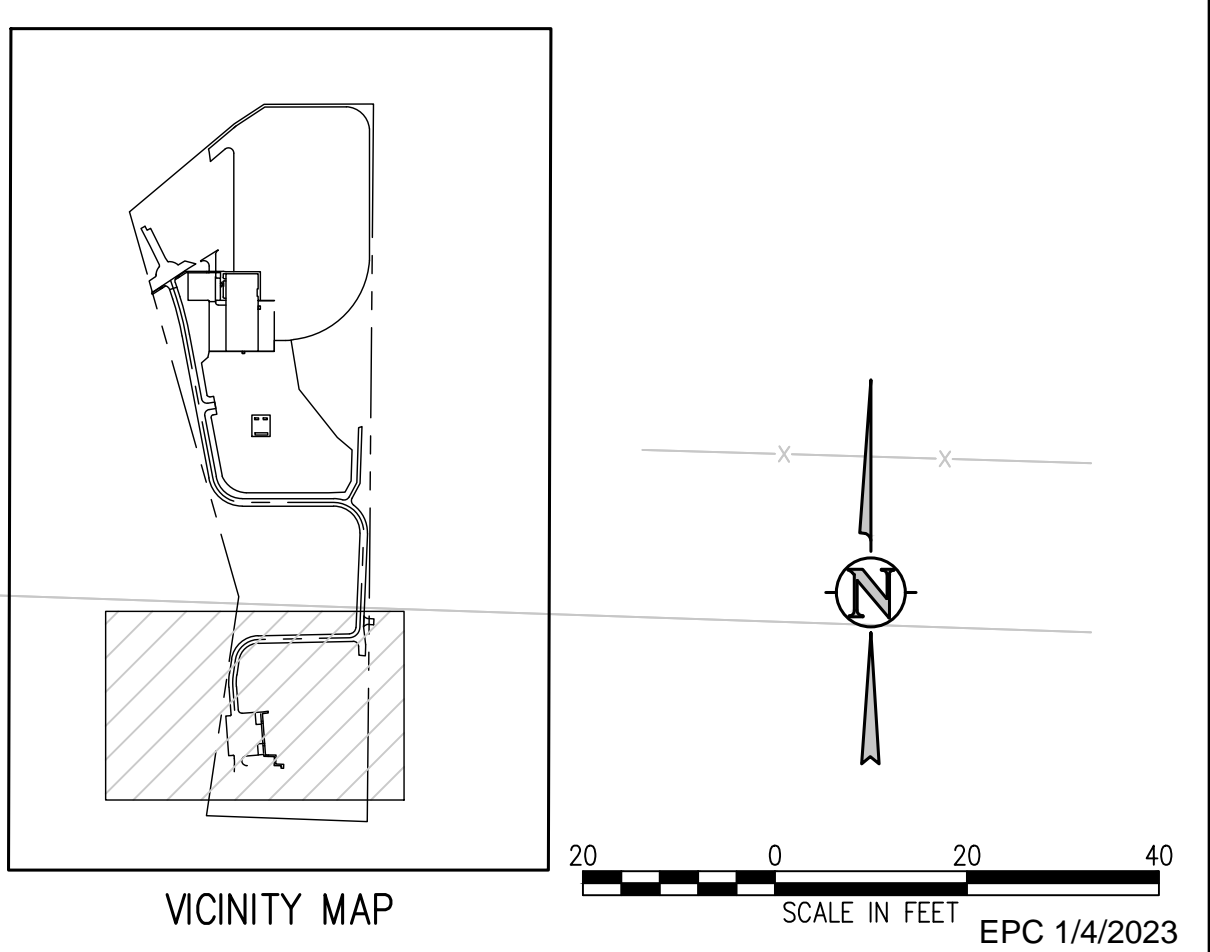


**EROSION CONTROL LEGEND**

- |                                    |  |                       |  |                               |  |
|------------------------------------|--|-----------------------|--|-------------------------------|--|
| EXISTING INDEX CONTOUR             |  | SILT FENCE            |  | DIRECTION OF FLOW (HISTORIC)  |  |
| EXISTING INTERMEDIATE CONTOUR      |  | CONSTRUCTION FENCE    |  | DIRECTION OF FLOW (DEVELOPED) |  |
| PROPOSED INDEX CONTOUR             |  | TEMPORARY SLOPE DRAIN |  | ROOF DRAIN DOWNSPOUT          |  |
| PROPOSED INTERMEDIATE CONTOUR      |  | DIVERSION DITCH       |  | CONCRETE WASHOUT AREA         |  |
| LIMITS OF CONSTRUCTION/DISTURBANCE |  | SEDIMENT CONTROL LOG  |  | TEMPORARY SEDIMENTATION POND  |  |
| INLET PROTECTION                   |  | CURB SOCK             |  | EROSION CONTROL BLANKET       |  |
| VEHICLE TRACKING CONTROL           |  | ROCK CHECK DAM        |  | CHANNEL STABILIZATION MATTING |  |
| STRAW BALE EROSION BARRIER         |  | SEEDING AND MULCHING  |  | SURFACE ROUGHENING            |  |
| STOCKPILE AREA                     |  |                       |  | STAGE STORAGE AREA            |  |

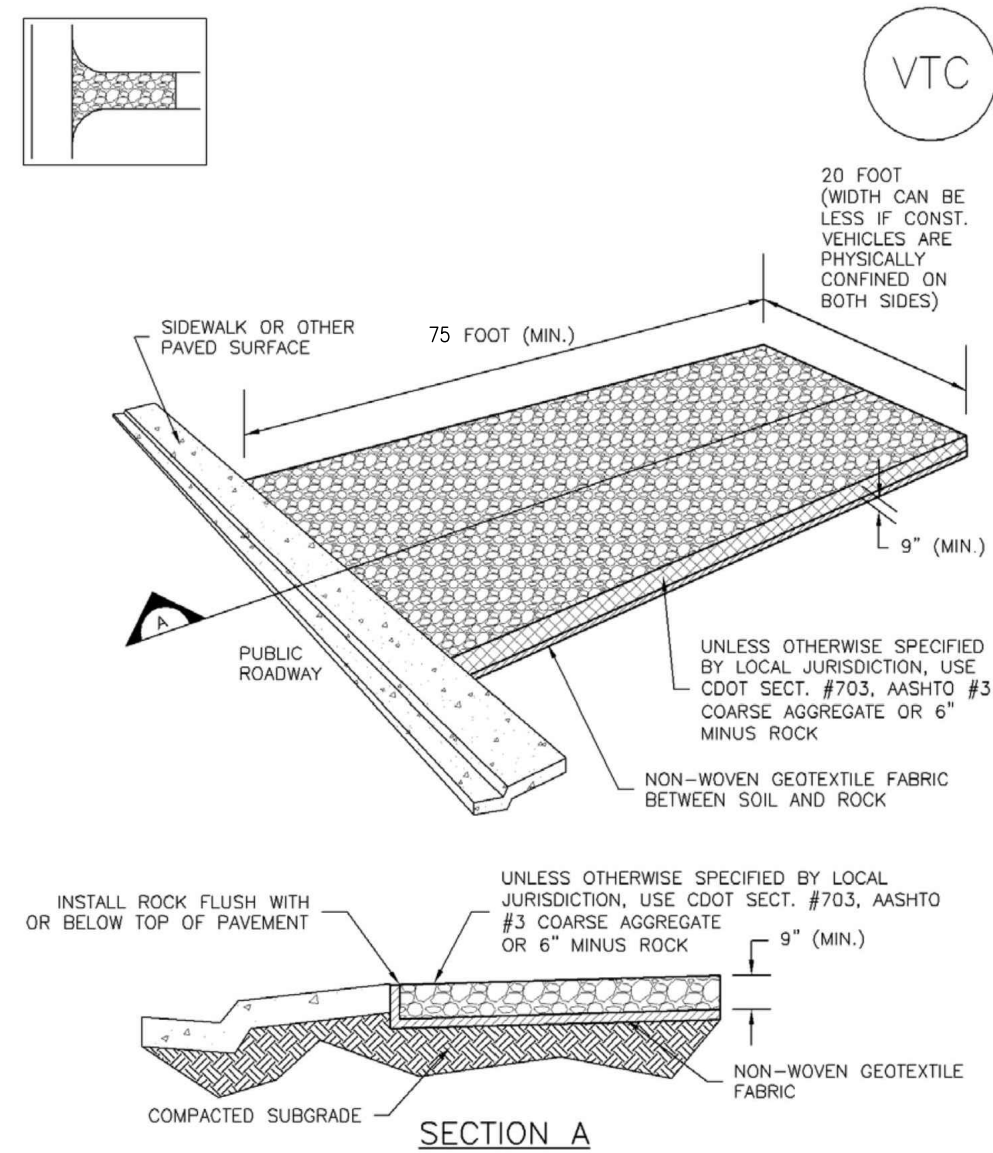
**EROSION AND SEDIMENTATION NOTES:**

1. CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL CONTROLS DURING INITIAL, INTERIM, AND FINAL CONDITIONS.
2. ALL CONTROLS SHALL BE INSTALLED WITHIN THE PROPERTY LINES UNLESS OTHERWISE SPECIFIED. WHEN CONSTRUCTION ACTIVITIES DISTURB ADJACENT AND/OR RIGHT-OF-WAY PROPERTIES, COORDINATION WITH PROPERTY OWNERS IS REQUIRED PRIOR TO CONSTRUCTION.



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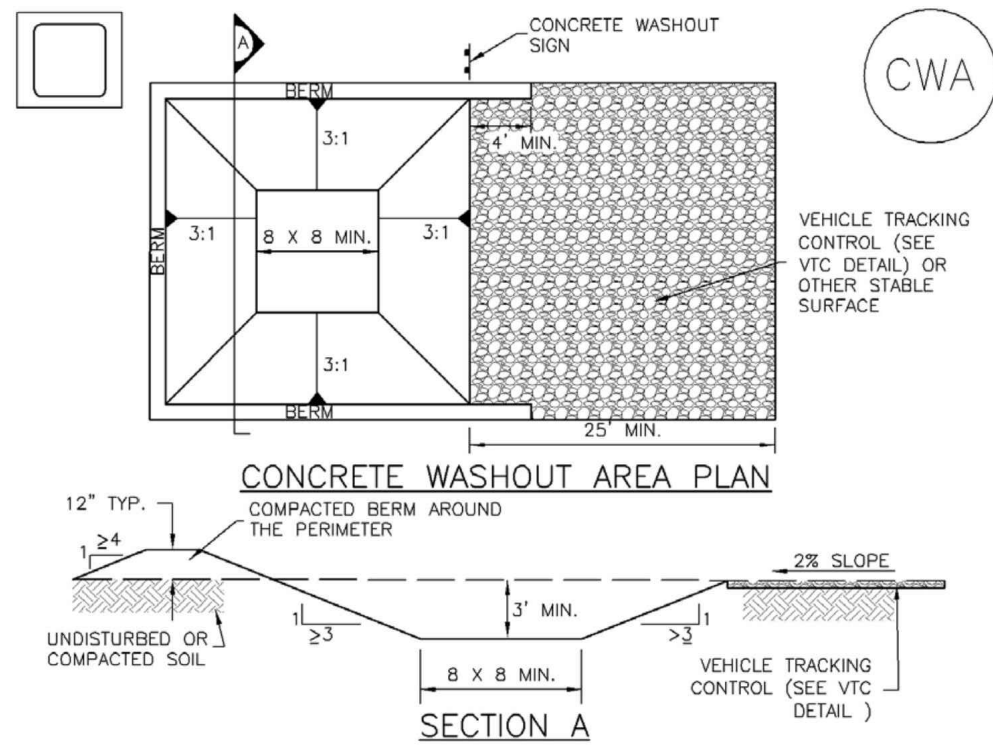
**Vehicle Tracking Control (VTC) SM-4**



VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

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

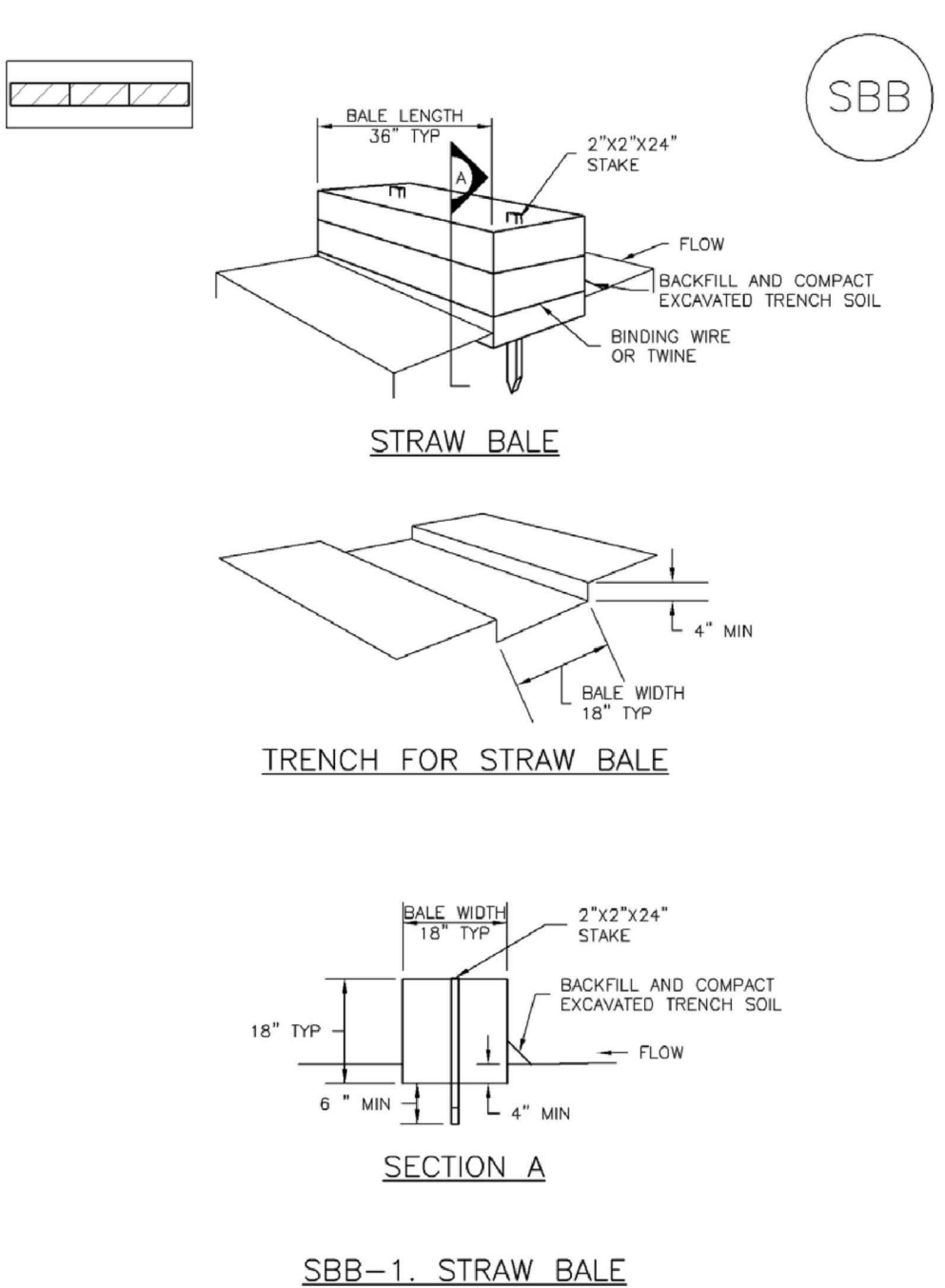
**Concrete Washout Area (CWA) MM-1**



CWA-1. CONCRETE WASHOUT AREA

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

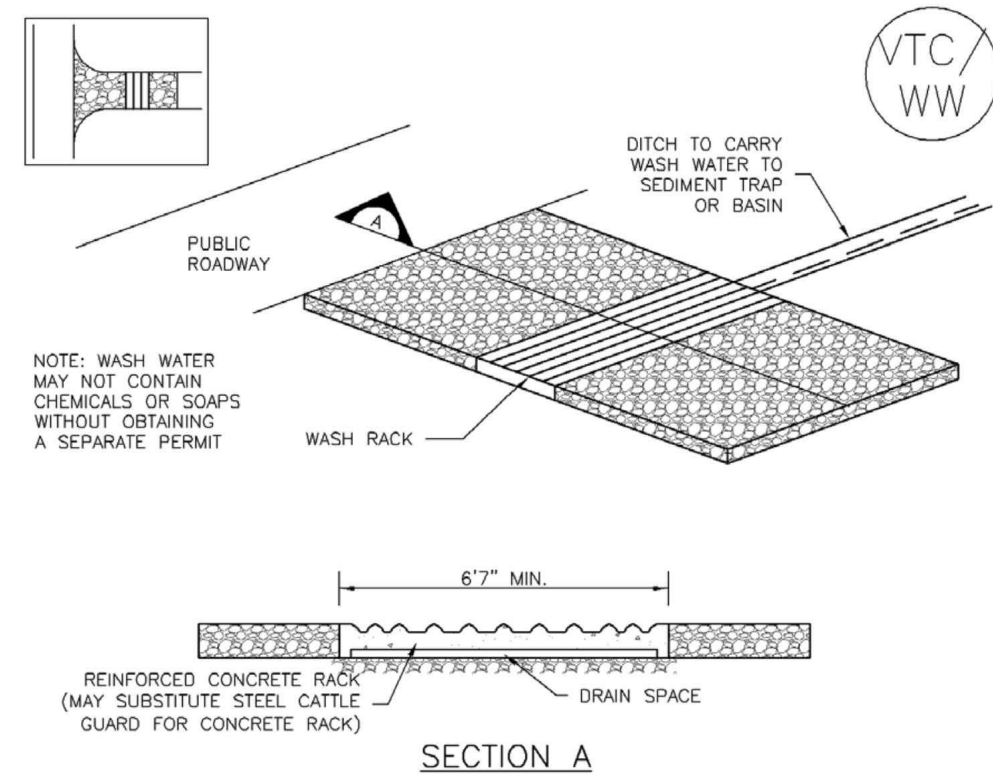
**SC-3 Straw Bale Barrier (SBB)**



SBB-1. STRAW BALE

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

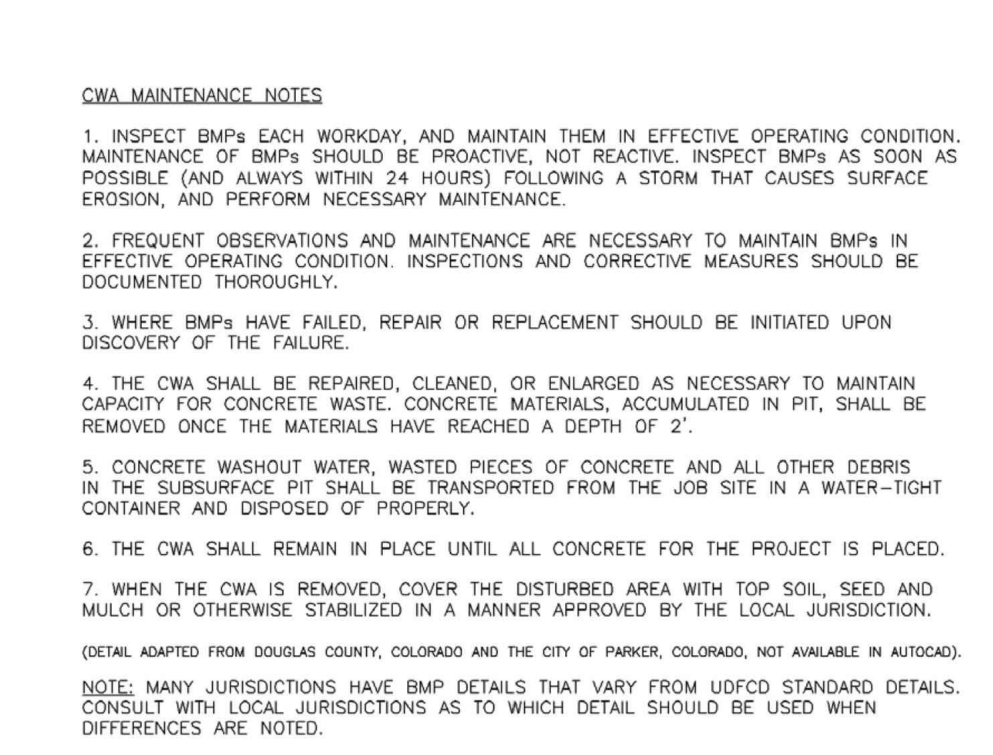
**SM-4 Vehicle Tracking Control (VTC)**



VTC-2. AGGREGATE VEHICLE TRACKING CONTROL WITH WASH RACK

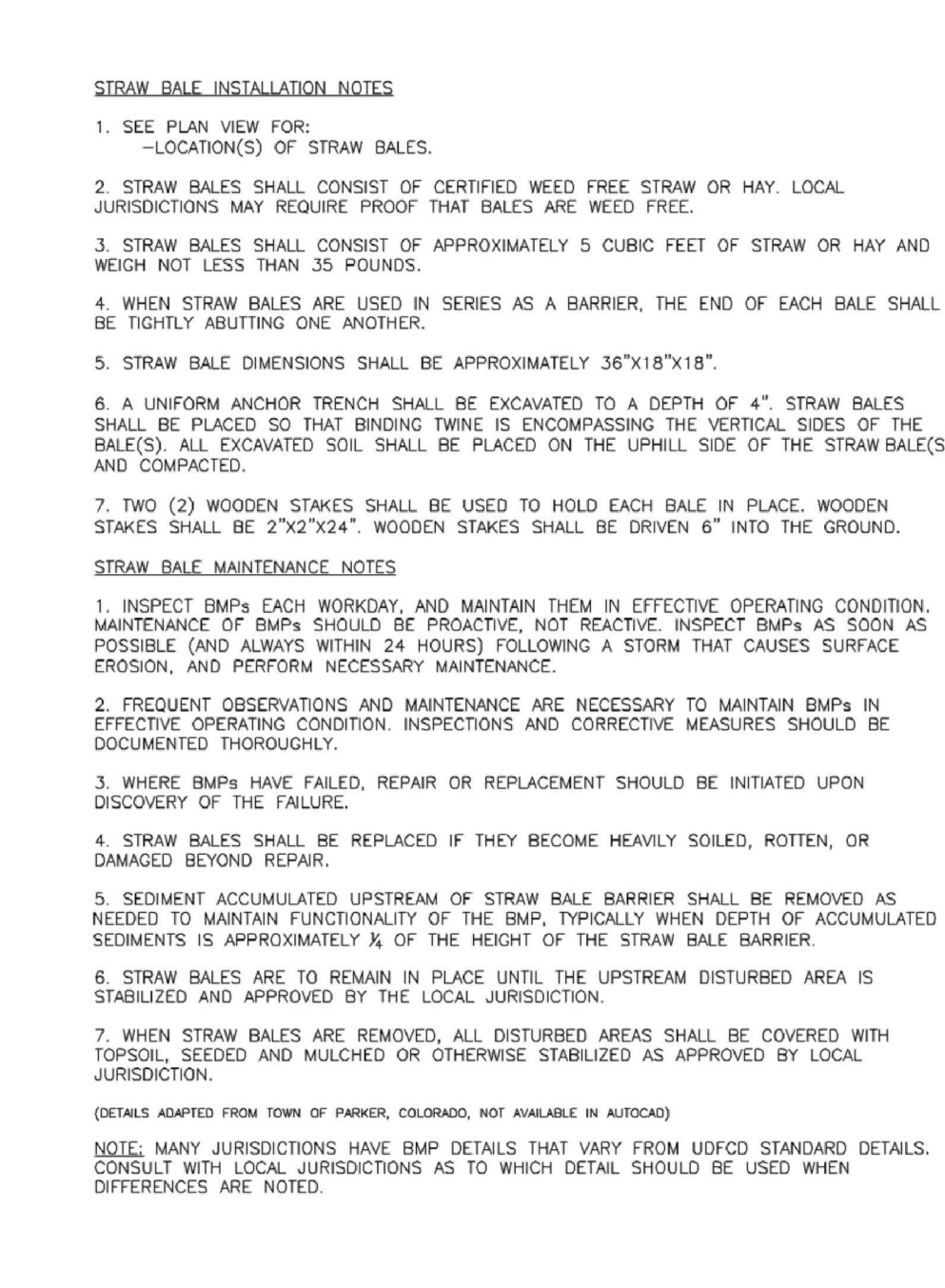
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 VTC-4

**MM-1 Concrete Washout Area (CWA)**



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

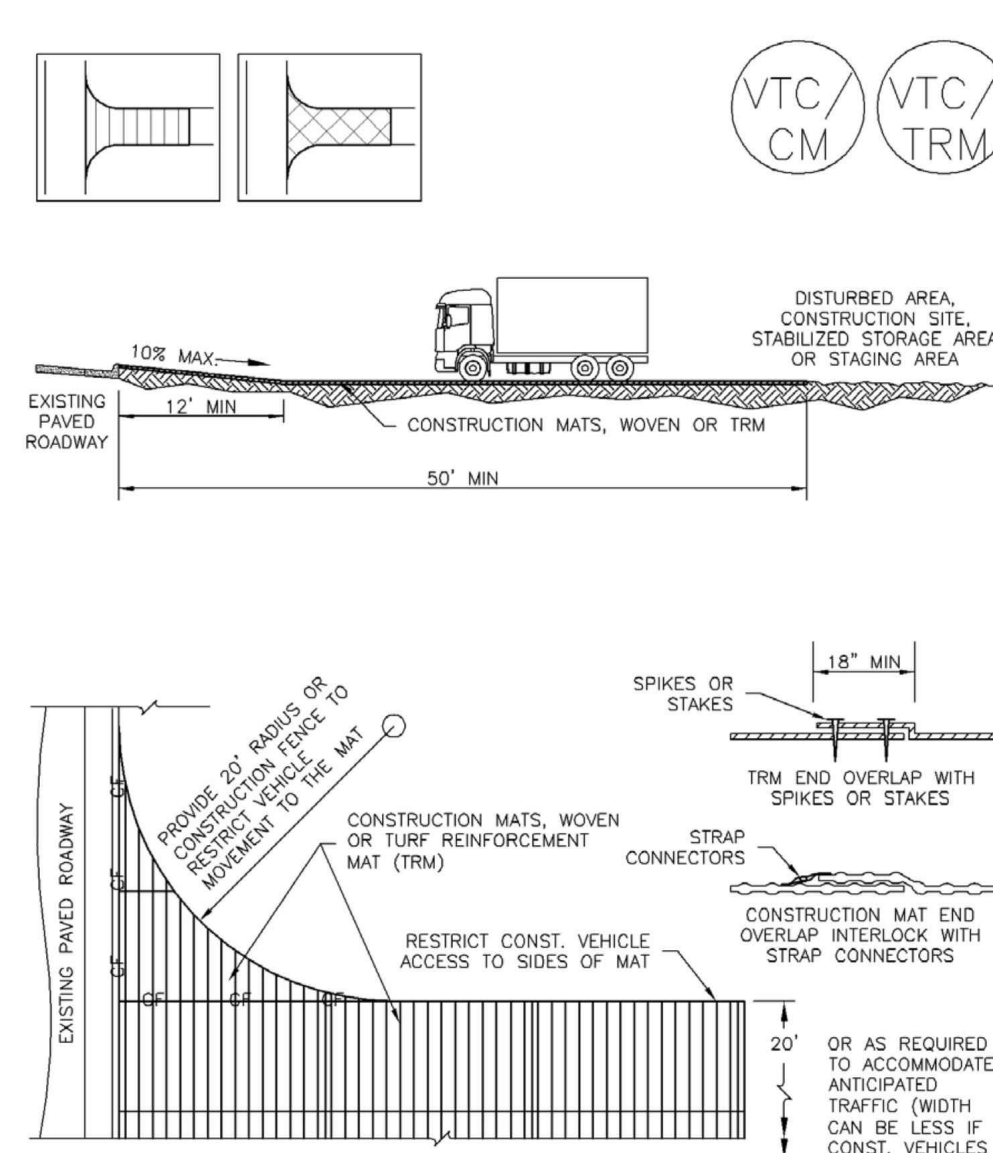
**SC-3 Straw Bale Barrier (SBB)**



SBB-2. STRAW BALE

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

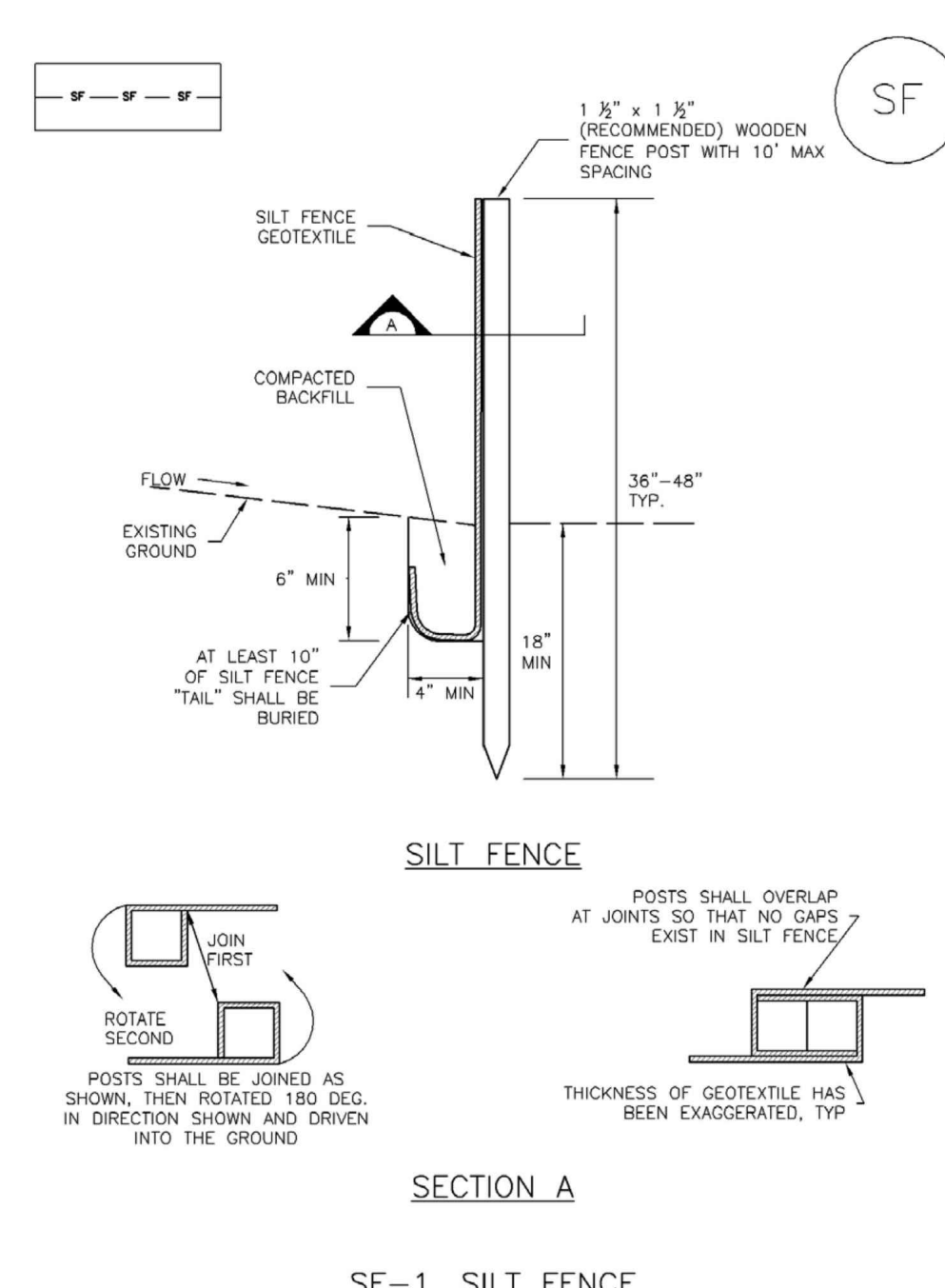
**Vehicle Tracking Control (VTC) SM-4**



VTC-3. VEHICLE TRACKING CONTROL W/ CONSTRUCTION MAT OR TURF REINFORCEMENT MAT (TRM)

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

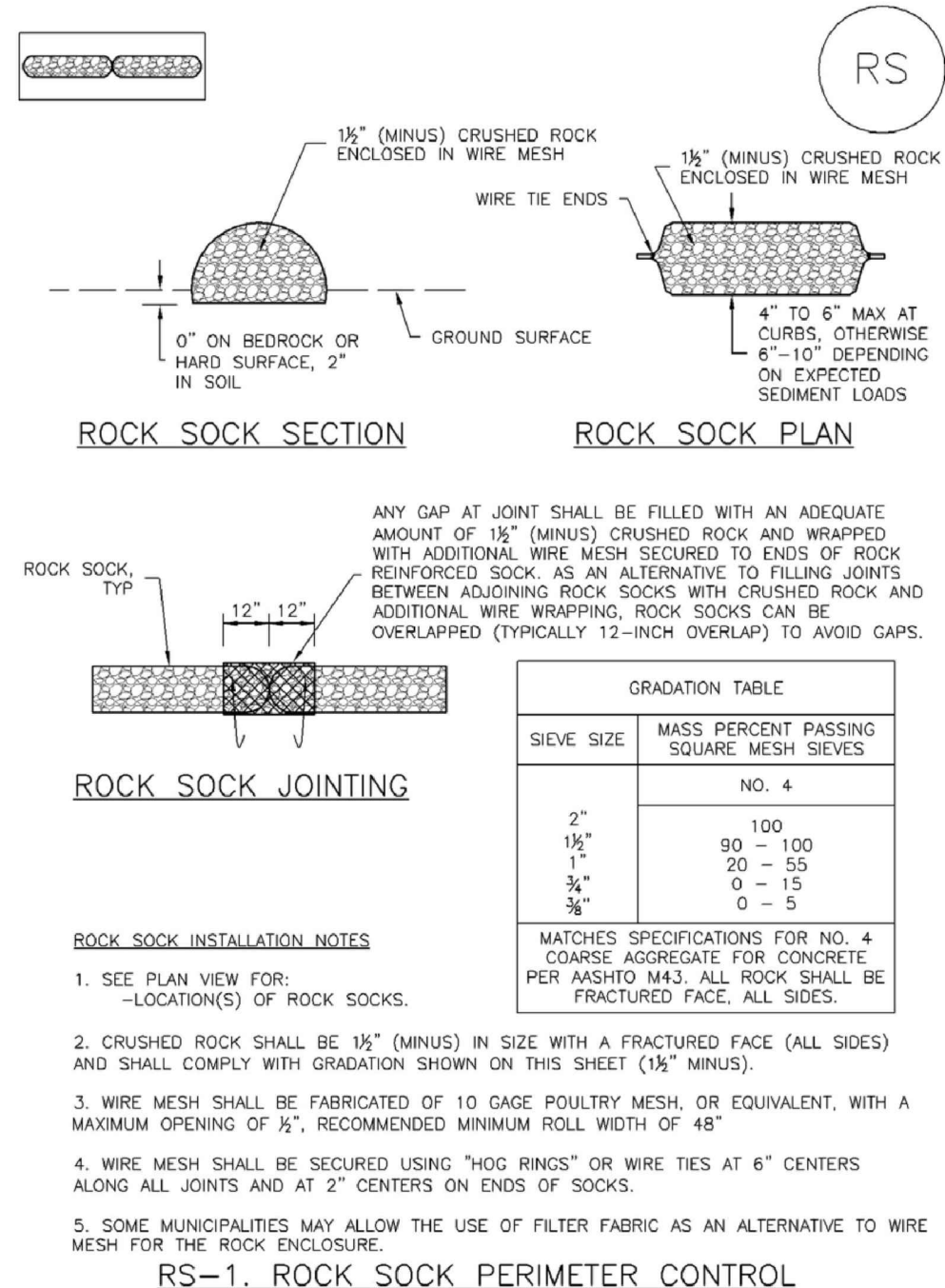
**Silt Fence (SF) SC-1**



SF-1. SILT FENCE

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

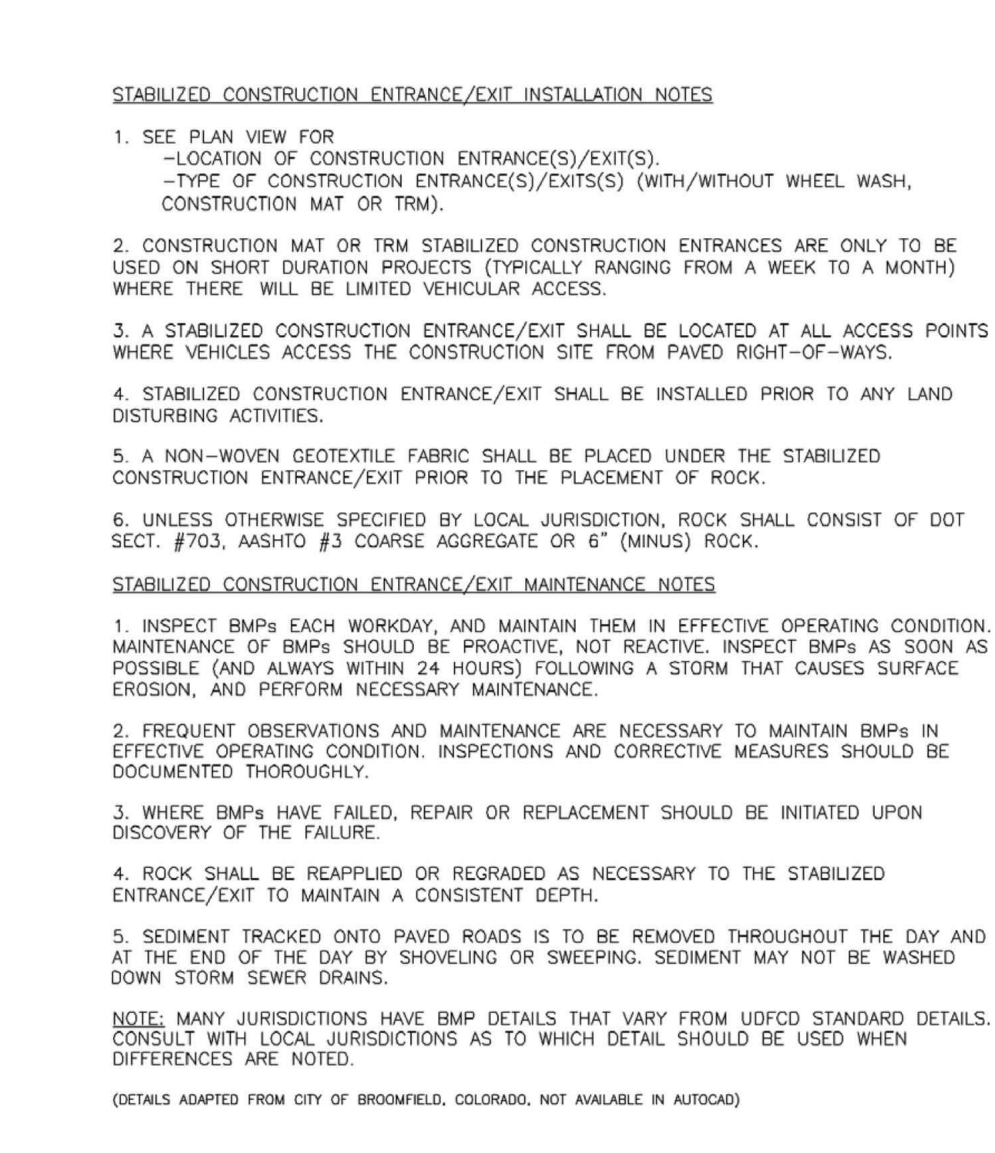
**SC-5 Rock Sock (RS)**



RS-1. ROCK SOCK PERIMETER CONTROL

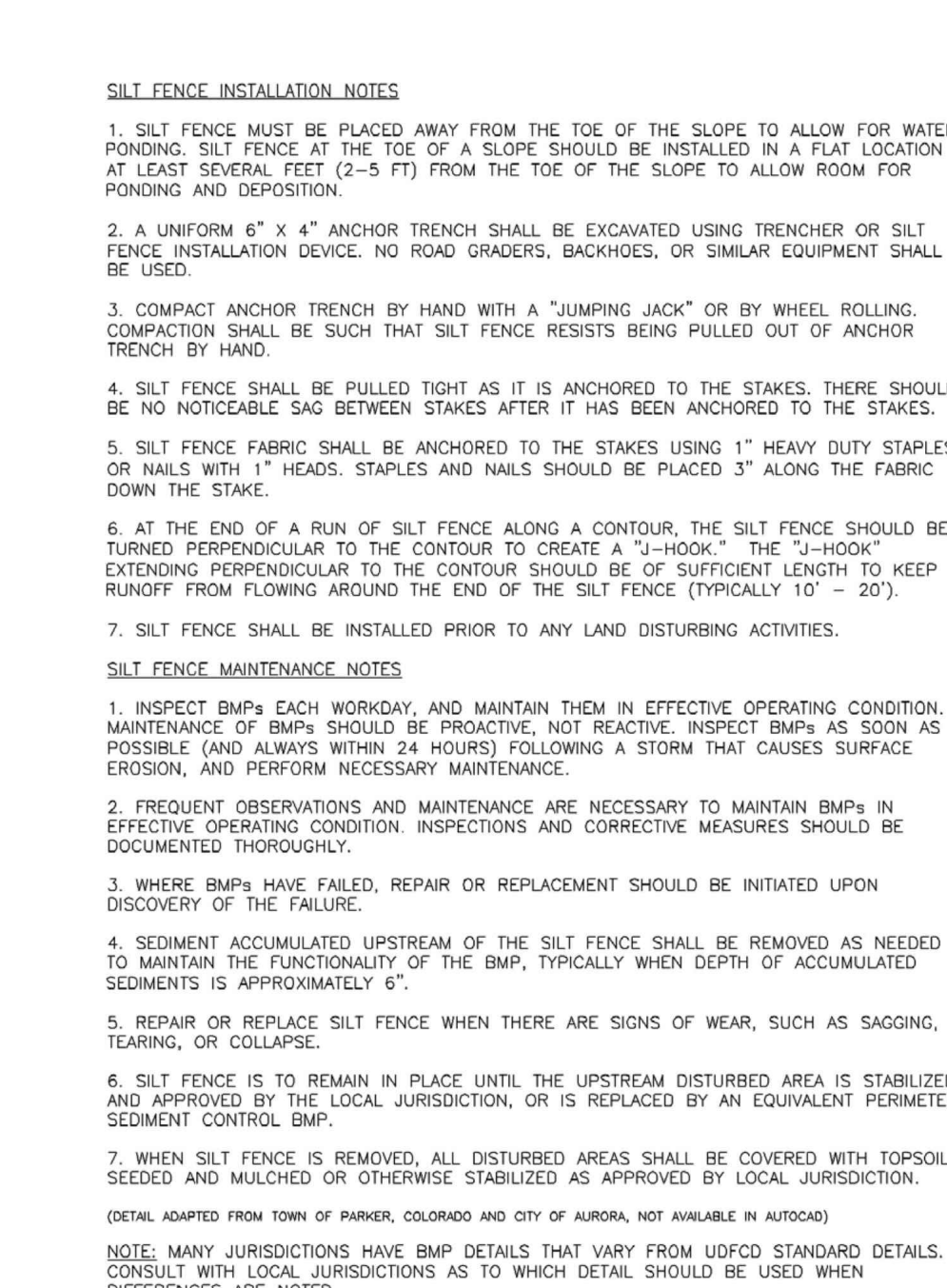
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SC-5

**SM-4 Vehicle Tracking Control (VTC)**



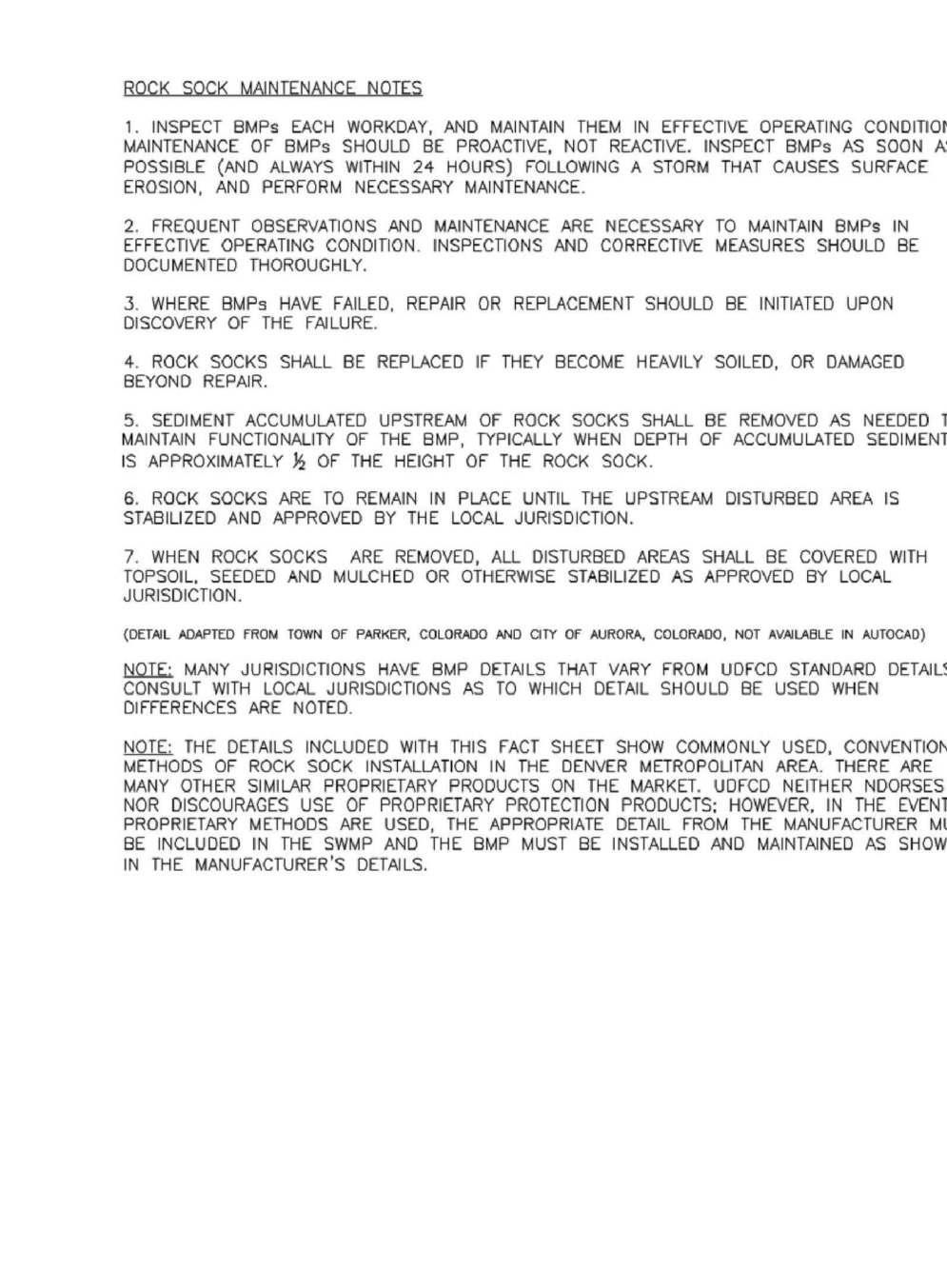
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 VTC-6

**SC-1 Silt Fence (SF)**



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

**Rock Sock (RS) SC-5**



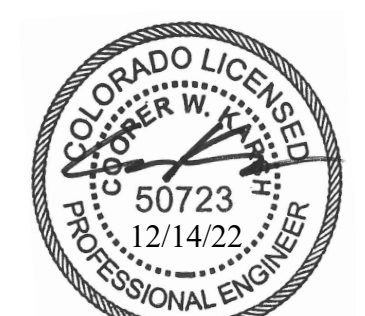
RS-2. ROCK SOCK PERIMETER CONTROL

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



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**D49 TRANSPORTATION CENTER**  
**SCHOOL DISTRICT NO 49**  
 11971 SWINGLINE ROAD  
 PEYTON, CO 80831



SHEET TITLE  
**EROSION CONTROL DETAILS**

DATE PROJECT NUMBER  
**12/14/2022 2021-041-00**

NO.	DATE	DESCRIPTION
1	05/06/2022	ADD/REV
2	06/09/2022	ADD/REV
3	10/06/2022	REV

DESIGNED BY: **CWK/HCM**  
 CHECKED BY: **TWH/HMB**  
 DRAWN BY: **CWK**

CONSTRUCTION DOCUMENTS

CE1.13

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NO.	DATE	DESCRIPTION
1	05/02/2022	ADDENDUM 01
2	06/29/2022	ADD-01
3	10/02/2022	PH1

### EC-6 Rolled Erosion Control Products (RECP) ECB

**ECB-1. PIPE OUTLET TO DRAINAGEWAY**

**ECB-2. SMALL DITCH OR DRAINAGEWAY**

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

### EC-6 Rolled Erosion Control Products (RECP) ECB-6

**ECB-3. OUTSIDE OF DRAINAGEWAY**

**STAKING PATTERNS BY ECB TYPE**

**STAKING PATTERNS BY SLOPE OR CHANNEL TYPE**

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Urban Storm Drainage Criteria Manual Volume 3 RECP-7

### EC-6 Rolled Erosion Control Products (RECP)

**EROSION CONTROL BLANKET INSTALLATION NOTES**

- SEE PLAN VIEW FOR:
  - LOCATION OF ECB.
  - TYPE OF ECB (STRAW-COCONUT, COCONUT, OR EXCELSIOR).
  - AREA A IN SQUARE YARDS OF EACH TYPE OF ECB.
- 100% NATURAL AND BIODEGRADABLE MATERIALS ARE PREFERRED FOR RECP. ALTHOUGH SOME JURISDICTIONS MAY ALLOW OTHER MATERIALS IN SOME APPLICATIONS.
- IN AREAS WHERE ECBs ARE SHOWN ON THE PLANS, THE PERMITEE SHALL PLACE TOPSOIL AND PERFORM FINAL GRADING, SURFACE PREPARATION, AND SEEDING AND MULCHING. SURFACES SHALL BE SMOOTH AND MOST PRIORITY TO ECB INSTALLATION AND THE ECB SHALL BE IN FULL CONTACT WITH SUBGRADE. NO GAPS OR VOIDS SHALL EXIST UNDER THE BLANKET.
- PERMETER ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERMETER OF ALL BLANKET AREAS.
- JOINT ANCHOR TRENCH SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER (LONGITUDINALLY AND TRANSVERSELY) FOR ALL ECBs EXCEPT STRAW WHICH MAY USE AN OVERLAPPING JOINT.
- INTERMEDIATE ANCHOR TRENCH SHALL BE USED AT SPACING OF ONE-HALF ROLL LENGTH FOR COCONUT AND EXCELSIOR ECBs.
- OVERLAPPING JOINT DETAIL SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER FOR ECBs ON SLOPES.
- MATERIAL SPECIFICATIONS OF ECBs SHALL CONFORM TO TABLE ECB-1.
- ANY AREAS OF SEEDING AND MULCHING DISTURBED IN THE PROCESS OF INSTALLING ECBs SHALL BE RESEEDED AND MULCHED.
- DETAILS ON DESIGN PLANS FOR MAJOR DRAINAGEWAY STABILIZATION WILL GOVERN IF DIFFERENT FROM THOSE SHOWN HERE.

TYPE	COCONUT CONTENT	STRAW CONTENT	EXCELSIOR CONTENT	RECOMMENDED NETTING*
STRAW**	-	100%	-	DOUBLE/NATURAL
COCONUT	30% MIN	70% MAX	-	DOUBLE/NATURAL
EXCELSIOR	-	-	100%	DOUBLE/NATURAL

\*THIS SIZE SHOULD BE THE SIZE OF STRAW OR NATURAL COCONUT.  
\*\*NETTING TYPES MAY BE ACCEPTABLE IN SOME JURISDICTIONS.

RECP-8 Urban Drainage and Flood Control District  
Urban Storm Drainage Criteria Manual Volume 3 November 2010

### EC-6 Rolled Erosion Control Products (RECP) ECB-6

**EROSION CONTROL BLANKET 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.
- ECBs SHALL BE LEFT IN PLACE TO EVENTUALLY BIODEGRADE, UNLESS REQUESTED TO BE REMOVED BY THE LOCAL JURISDICTION.
- ANY ECB FILLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REPLANTED. ANY SUBGRADE AREAS BELOW THE GEOTEXTILE THAT HAVE ERODED TO CREATE A VOID UNDER THE BLANKET, OR THAT REMAIN OPEN, SHOULD BE REPAIRED, RESEEDED AND MULCHED AND THE ECB REINSTALLED.

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

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO AND TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

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Urban Storm Drainage Criteria Manual Volume 3 RECP-9

### SM-6 Stabilized Staging Area (SSA) SSA

**SSA-1. STABILIZED STAGING AREA**

**STABILIZED STAGING AREA INSTALLATION NOTES**

- SEE PLAN VIEW FOR:
  - LOCATION OF STAGING AREA(S).
  - CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.
- STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.
- STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.
- THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.
- UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SPEC #203 ASHED #1 CORNER AGGREGATE OR #1 QUARRY ROCK.
- ADDITIONAL PERMETER BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.

**STABILIZED STAGING AREA 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.
- ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

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### SM-6 Stabilized Staging Area (SSA)

**STABILIZED STAGING AREA MAINTENANCE NOTES**

- STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.
- 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, SEEDING 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 LISTED STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAILS SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

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

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### MM-6 Stockpile Management (SP) MM-2

**SP-1. STOCKPILE PROTECTION**

**STOCKPILE PROTECTION INSTALLATION NOTES**

- SEE PLAN VIEW FOR:
  - LOCATION OF STOCKPILES.
  - TYPE OF STOCKPILE PROTECTION.
- INSTALL PERMETER CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. SILT FENCE IS SHOWN IN THE STOCKPILE PROTECTION DETAILS. HOWEVER, OTHER TYPES OF PERMETER CONTROLS INCLUDING SEGMENT CONTROLS, LOGS OR ROCK SOCKS MAY BE SUITABLE IN SOME CIRCUMSTANCES. CONSIDERATIONS FOR DETERMINING THE APPROPRIATE TYPE OF PERMETER CONTROL FOR A STOCKPILE INCLUDE WHETHER THE STOCKPILE IS LOCATED ON A PERVIOUS OR IMPERVIOUS SURFACE, THE RELATIVE HEIGHTS OF THE PERMETER CONTROL AND STOCKPILE, THE ABILITY OF THE PERMETER CONTROL TO CONTAIN THE STOCKPILE WITHOUT FAILING IN THE EVENT THAT MATERIAL FROM THE STOCKPILE SHIFTS OR SLUMPS AGAINST THE PERMETER, AND OTHER FACTORS.
- STABILIZE THE STOCKPILE SURFACE WITH SURFACE ROUGHENING, TEMPORARY SEEDING AND MULCHING. EROSION CONTROL BLANKETS, OR SOL BINDERS, SOLID STOCKPILES FOR AN EXTENDED PERIOD (TYPICALLY FOR MORE THAN 60 DAYS) SHOULD BE SEEDING AND MULCHED WITH A TEMPORARY GRASS COVER ONCE THE STOCKPILE IS PLACED (TYPICALLY WITHIN 14 DAYS). USE OF MULCH ONLY ON A SOL BINDER IS ACCEPTABLE IF THE STOCKPILE WILL BE IN PLACE FOR A MORE LIMITED TIME PERIOD (TYPICALLY 30-60 DAYS).
- FOR TEMPORARY STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNGRADIENT CONTROLS, INCLUDING PERMETER CONTROL, ARE IN PLACE, STOCKPILE PERMETER CONTROLS MAY NOT BE REQUIRED.

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### MM-2 Stockpile Management (SM)

**STOCKPILE PROTECTION 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.
- IF PERMETER PROTECTION MUST BE MOVED TO ACCESS SOIL STOCKPILE, REPLACE PERMETER CONTROLS BY THE END OF THE WORKDAY.
- STOCKPILE PERMETER CONTROLS CAN BE REMOVED ONCE ALL THE MATERIAL FROM THE STOCKPILE HAS BEEN USED.

(DETAILS ADAPTED FROM PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

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

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