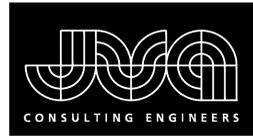


STANDARD NOTES FOR EL PASO COUNTY CONSTRUCTION PLANS

- ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT. BEFORE BEGINNING CONSTRUCTION, 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).
- CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:
  - EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
  - CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
  - COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
  - CDOT M & S STANDARDS
- NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH 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.
- 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.

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, NCAARB, 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	



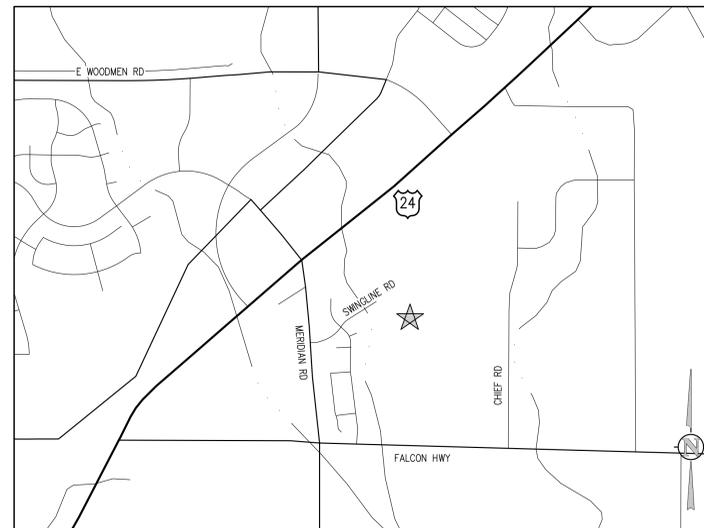
**JVA, Inc.** 1319 Spruce Street  
Boulder, CO 80302 303.444.1951  
www.jvajva.com  
Boulder • Fort Collins • Winter Park  
Glenwood Springs • Denver

STANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION CONTROL PLANS

- STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS, ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
- NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
- A SEPARATE STORMWATER MANAGEMENT PLAN (SWMP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. 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.
- 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.
- 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.
- 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 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.
- 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.
- 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.
- 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.
- 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.
- 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 LOOSENED PRIOR TO INSTALLATION OF THE CONTROL MEASURES(S).
- 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.
- 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.
- 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.
- EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERINGS SHALL BE USED ON SLOPES STEEPER THAN 3:1.
- 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.
- 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.
- TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
- 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.
- THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.
- NO 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.
- 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.
- NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
- 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. 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.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.
- PRIOR TO CONSTRUCTION THE PERMITEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
- 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.
- THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY \_\_\_\_\_ AND SHALL BE CONSIDERED A PART OF THESE PLANS.
- 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:



VICINITY MAP  
NTS



LOCATION MAP  
NTS

add: Kumar & Associates, January 27, 2022

add: Joshua Palmer, P.E.

Add "PCD File No. PPR2236"

# D49 TRANSPORTATION CENTER SCHOOL DISTRICT NO. 49 11971 SWINGLINE ROAD PEYTON, CO 80831 CONSTRUCTION DOCUMENTS

DRAWING INDEX

SHEET NO.	TITLE
CO.0	COVER SHEET
CO.1	LEGEND, NOTES AND ABBREVIATIONS
CE1.0	CUT & FILL EXHIBIT
CE1.1	INITIAL EROSION CONTROL PLAN A
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
CE1.7	INTERIM EROSION CONTROL PLAN C
CE1.8	INTERIM EROSION CONTROL PLAN D
CE1.9	FINAL EROSION CONTROL PLAN A
CE1.10	FINAL EROSION CONTROL PLAN B
CE1.11	FINAL EROSION CONTROL PLAN C
CE1.12	FINAL EROSION CONTROL PLAN D
CE1.13	EROSION CONTROL DETAILS
CE1.14	EROSION CONTROL DETAILS
CE1.15	EROSION CONTROL DETAILS

Replace with "Early Grading and Erosion Control Plan" per Review #2 comment.

Review #1: Contact the project manager and request to delete the standalone Grading and Erosion Control Plan (GEC) from eDAR's review documents since this is included in the Construction Drawings.

Alternative would be to remove the GEC from the Construction Drawings Plan set and provide a separate title sheet on the standalone GEC.

See the Construction Drawings plan set for redline comments to the GEC.

Review #2: Unresolved. Based on the August 25 meeting, the applicant planned to submit a separate standalone GEC plan set. Therefore remove the following from this set (Sheets CE.1.1 through CE.1.15).

Review #3: Reminder to submit remainder of the construction plans as a construction drawing plan set and address prior review comments. Early Grading GEC is permitted until the associated drainage report, storm drain pipe construction plans and pond construction plans have been approved.

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 = 6789.72; BM#2 FLANGE BOLT BETWEEN MUELLER\* 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.
- 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.
- FLOOD PLAIN 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.

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 NEGLIGENCE, ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

ENGINEER OF RECORD SIGNATURE \_\_\_\_\_ DATE 11/22/2022

OWNER'S STATEMENT:  
I, THE OWNER/DEVELOPER HAVE READ AND DO COMPLY WITH THE REQUIREMENTS OF THESE DETAILED PLANS AND SPECIFICATIONS.

OWNER SIGNATURE \_\_\_\_\_ DATE 11/22/2022

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

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

COUNTY ENGINEER/ECM ADMINISTRATOR \_\_\_\_\_ DATE \_\_\_\_\_



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



PROJECT TITLE  
**COVER SHEET**

PROJECT NUMBER  
**2021-041-00**

DATE  
**11/07/2022**

REVISIONS

NO.	DATE	DESCRIPTION
1	05/02/2022	ADD/REV#1
2	06/02/2022	ADD#1
3	09/02/2022	COUNTY SUBMITTAL
4	11/22/2022	

DESIGNED BY: **CWK/HCM**  
CHECKED BY: **TJH/AMB**  
ISSUED FOR: **CWK**

CONSTRUCTION DOCUMENTS

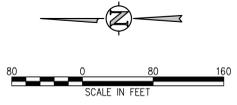
C0.0

reinsert sheet C0.1 with comments from review 2 addressed.



**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:**  
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.

**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: 11/07/2022

#	DATE	DESCRIPTION
1	05/02/2022	ADDENDUM 01
2	06/02/2022	ADD-01
3	09/02/2022	COUNTY SUBMITTAL
4	11/02/2022	COUNTY SUBMITTAL 02

DESIGNED BY: **CWK/HCM**  
CHECKED BY: **TWK/AMB**  
**CWK**

ISSUED FOR: **CONSTRUCTION DOCUMENTS**

CE1.0

**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  
**11/07/2022**

REVISIONS

#	DATE	DESCRIPTION
1	05/02/2022	ADDENDUM 01
2	06/02/2022	ADD-01
3	09/02/2022	COUNTY SUBMITTAL
4	11/02/2022	COUNTY SUBMITTAL 02

DESIGNED BY: **CKW/HCM**  
DRAWN BY: **TW/A/MB**  
CHECKED BY: **CKW**

ISSUED FOR:  
**CONSTRUCTION  
DOCUMENTS**

**CE1.1**



J:\M562\Drawings\M562-01.dwg, 11/27/2022 - 2:25 PM, RBR

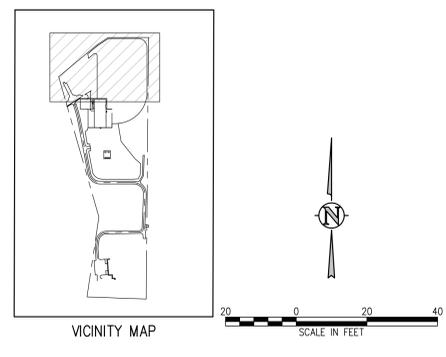
If "limits of disturbance" and "construction boundary" are the same, change to "limits of construction/disturbance" or otherwise show as separate line types for each on the legend and figure.  
Unresolved.

**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 WORK		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				



MATCHLINE - SEE SHEET CE1.2

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



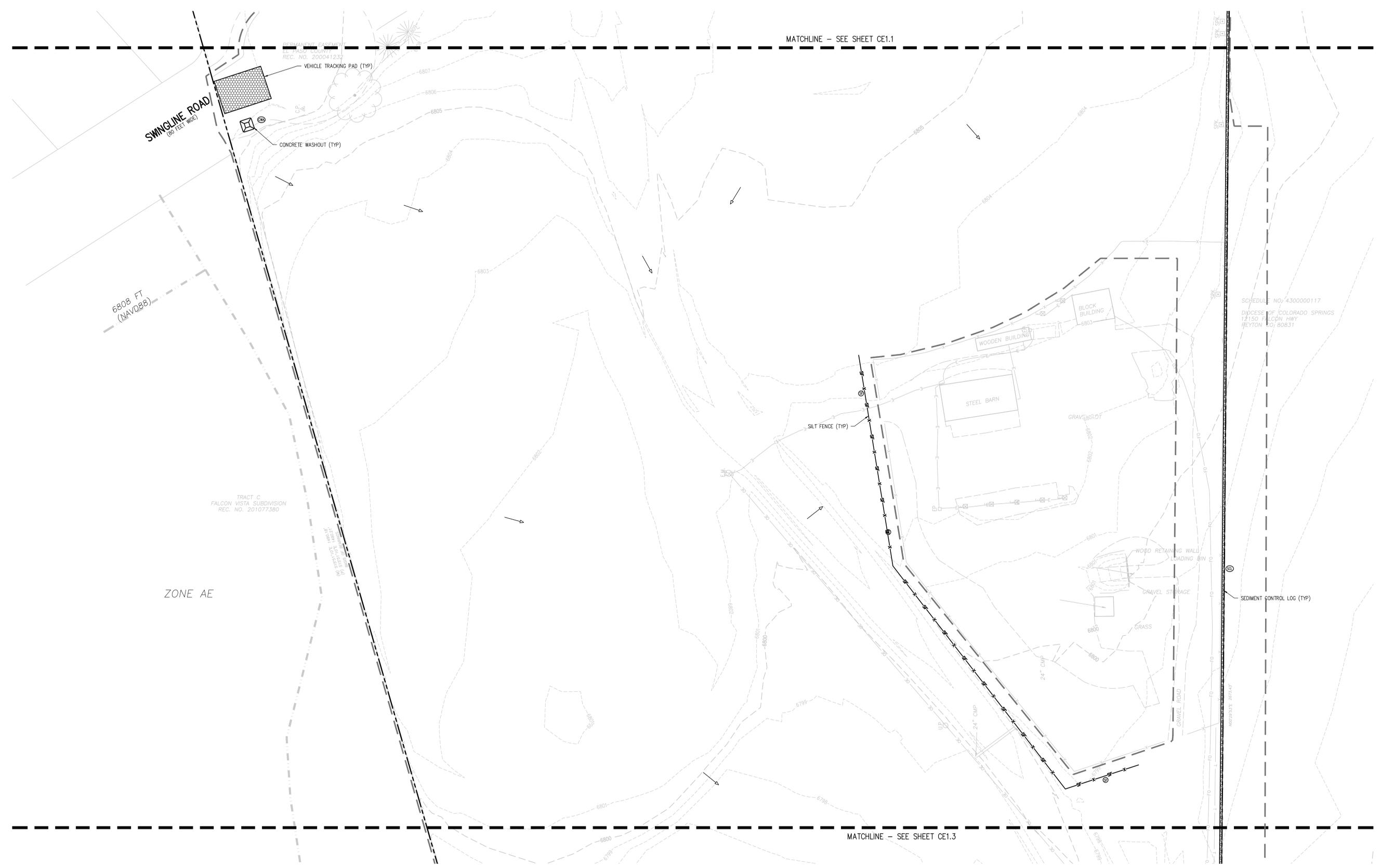
SHEET TITLE  
**INITIAL  
EROSION  
CONTROL PLAN  
B**

WTA PROJECT NUMBER  
**2021-041.00**  
DATE  
**11/07/2022**

#	DATE	DESCRIPTION
1	05/02/22	ADDENDUM 01
2	06/02/22	ADD-01
3	06/02/22	COUNTY SUBMITTAL
4	11/02/22	COUNTY SUBMITTAL 02

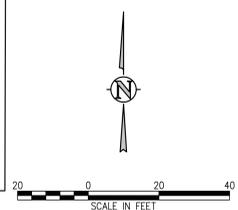
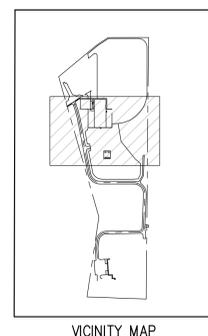
DESIGNED BY: **CONSTRUCTION DOCUMENTS**  
CHECKED BY: **CONSTRUCTION DOCUMENTS**

SCALE IN FEET  
**CE1.2**



**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.

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 WORK		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				



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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: 11/07/2022  
DESCRIPTION: ADDENDUM 01

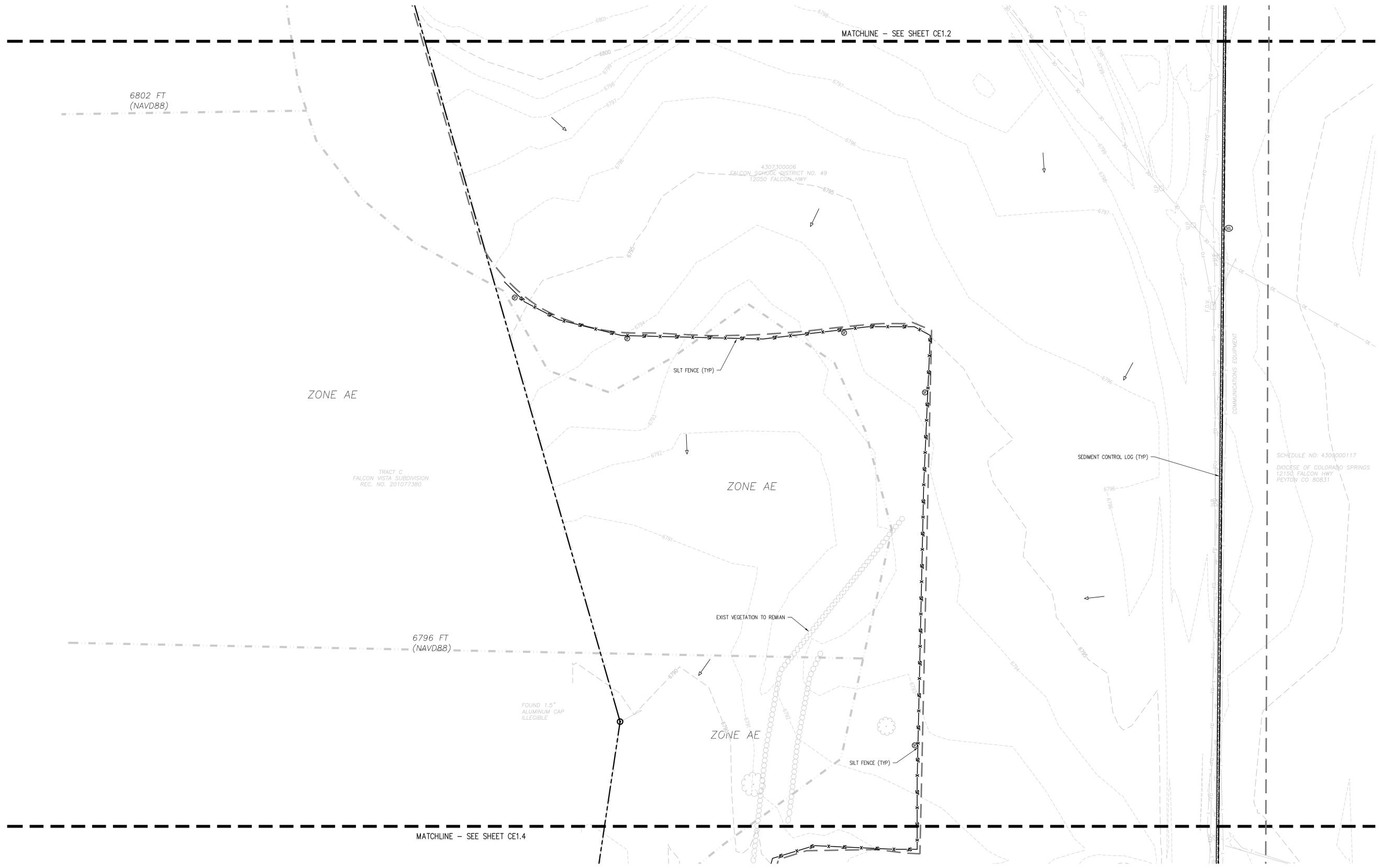
DATE: 06/02/2022  
DESCRIPTION: AS-BUILT

DATE: 06/02/2022  
DESCRIPTION: COUNTY SUBMITTAL

DATE: 11/22/2022  
DESCRIPTION: COUNTY SUBMITTAL 02

DESIGNED BY: **CONSTRUCTION DOCUMENTS**

**CE1.3**

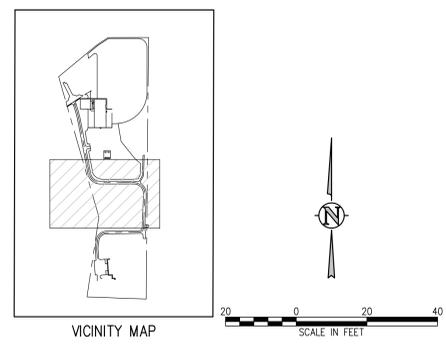


**EROSION AND SEDIMENTATION NOTES:**

- 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 WORK		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				



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



PROJECT TITLE  
**INITIAL EROSION CONTROL PLAN D**

DATE PROJECT NUMBER  
**2021-041.00**

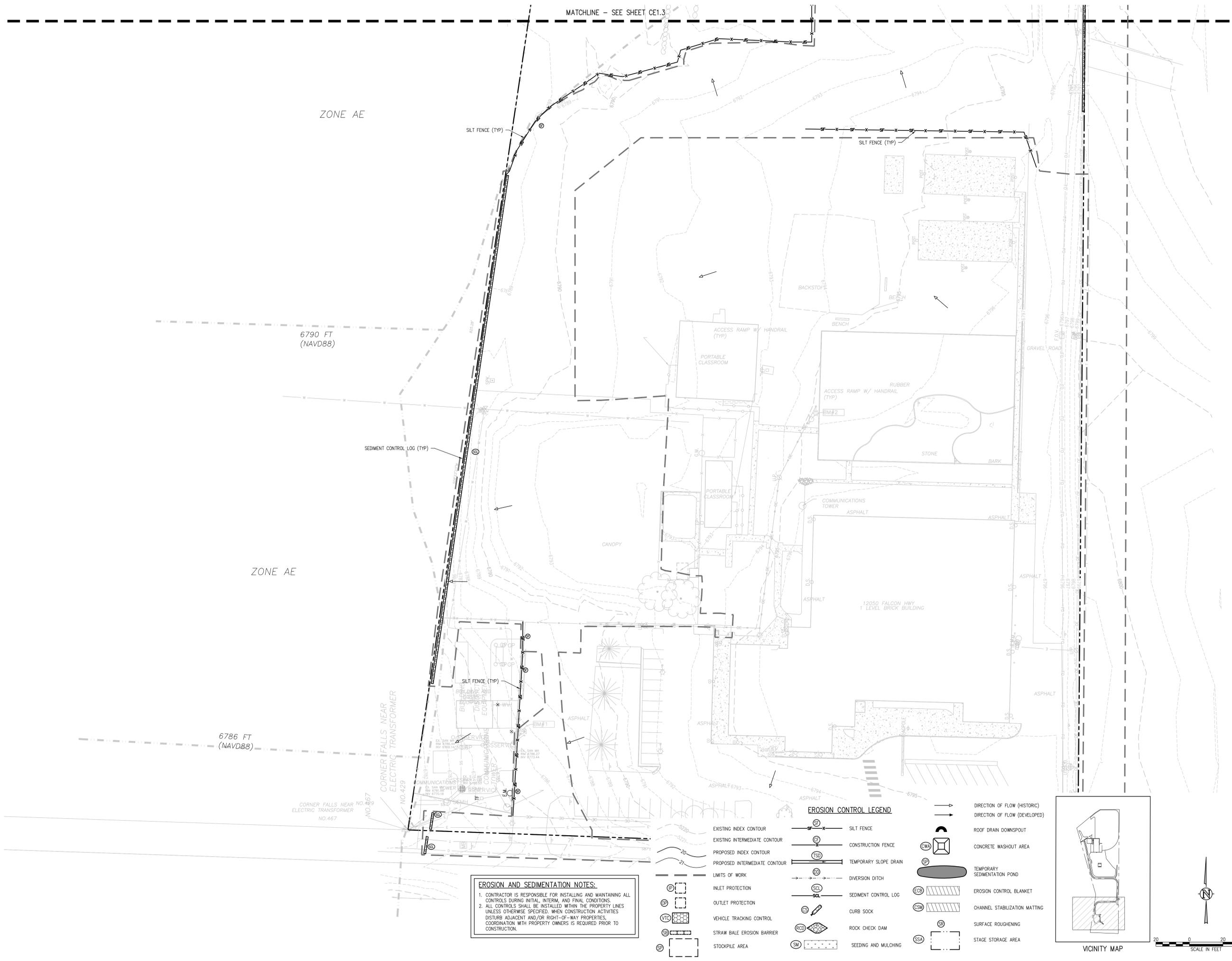
REVISIONS

#	DATE	DESCRIPTION
1	05/06/2022	ADDENDUM 01
2	06/09/2022	ADD-01
3	06/09/2022	COUNTY SUBMITTAL
4	11/07/2022	COUNTY SUBMITTAL 02

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

ISSUED FOR:  
**CONSTRUCTION DOCUMENTS**

**CE1.4**

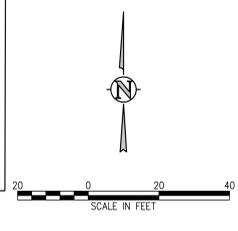
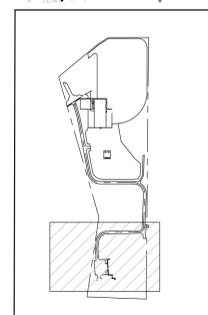


**EROSION AND SEDIMENTATION NOTES:**

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- 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	— SF —	SILT FENCE	— SF —
EXISTING INTERMEDIATE CONTOUR	— IF —	CONSTRUCTION FENCE	— CF —
PROPOSED INDEX CONTOUR	— SD —	TEMPORARY SLOPE DRAIN	— SD —
PROPOSED INTERMEDIATE CONTOUR	— ID —	DIVERSION DITCH	— DD —
LIMITS OF WORK	— LW —	SEDIMENT CONTROL LOG	— SCL —
INLET PROTECTION	— IP —	CURB SOCK	— CS —
OUTLET PROTECTION	— OP —	ROCK CHECK DAM	— RCD —
VEHICLE TRACKING CONTROL	— VTC —	SEEDING AND MULCHING	— SM —
STRAW BALE EROSION BARRIER	— SB —		
STOCKPILE AREA	— SPA —		
		DIRECTION OF FLOW (HISTORIC)	→
		DIRECTION OF FLOW (DEVELOPED)	→
		ROOF DRAIN DOWNSPOUT	— RD —
		CONCRETE WASHOUT AREA	— CWA —
		TEMPORARY SEDIMENTATION POND	— TSP —
		EROSION CONTROL BLANKET	— ECB —
		CHANNEL STABILIZATION MATTING	— CSM —
		SURFACE ROUGHENING	— SR —
		STAGE STORAGE AREA	— SSA —



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



INTERIM  
EROSION  
CONTROL PLAN  
A

WTA PROJECT NUMBER  
**2021-041.00**  
DATE  
**11/07/2022**  
REVISIONS

#	DATE	DESCRIPTION
1	05/02/2022	ADDENDUM 01
2	06/02/2022	ADD-01
3	09/02/2022	COUNTY SUBMITTAL
4	11/02/2022	COUNTY SUBMITTAL 02

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

ISSUED FOR  
**CONSTRUCTION DOCUMENTS**

**CE1.5**

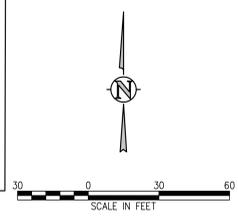
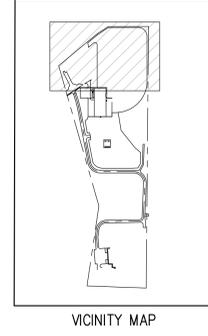


Early Grading Erosion Control Plan being approved at this time is limited to site grading only. The conditional approval will include a note that installation of storm drain lines are not approved until the associated drainage report and storm sewer construction plans have been approved.

**EROSION AND SEDIMENTATION NOTES:**

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EROSION CONTROL LEGEND	
	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	PROPOSED INDEX CONTOUR
	PROPOSED INTERMEDIATE CONTOUR
	LIMITS OF WORK
	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 (100% COCONUT)
	CHANNEL STABILIZATION MATTING
	SURFACE ROUGHENING
	STAGE STORAGE AREA



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



INTERIM  
EROSION  
CONTROL PLAN  
B

DATE APPROVAL: 11/07/2022

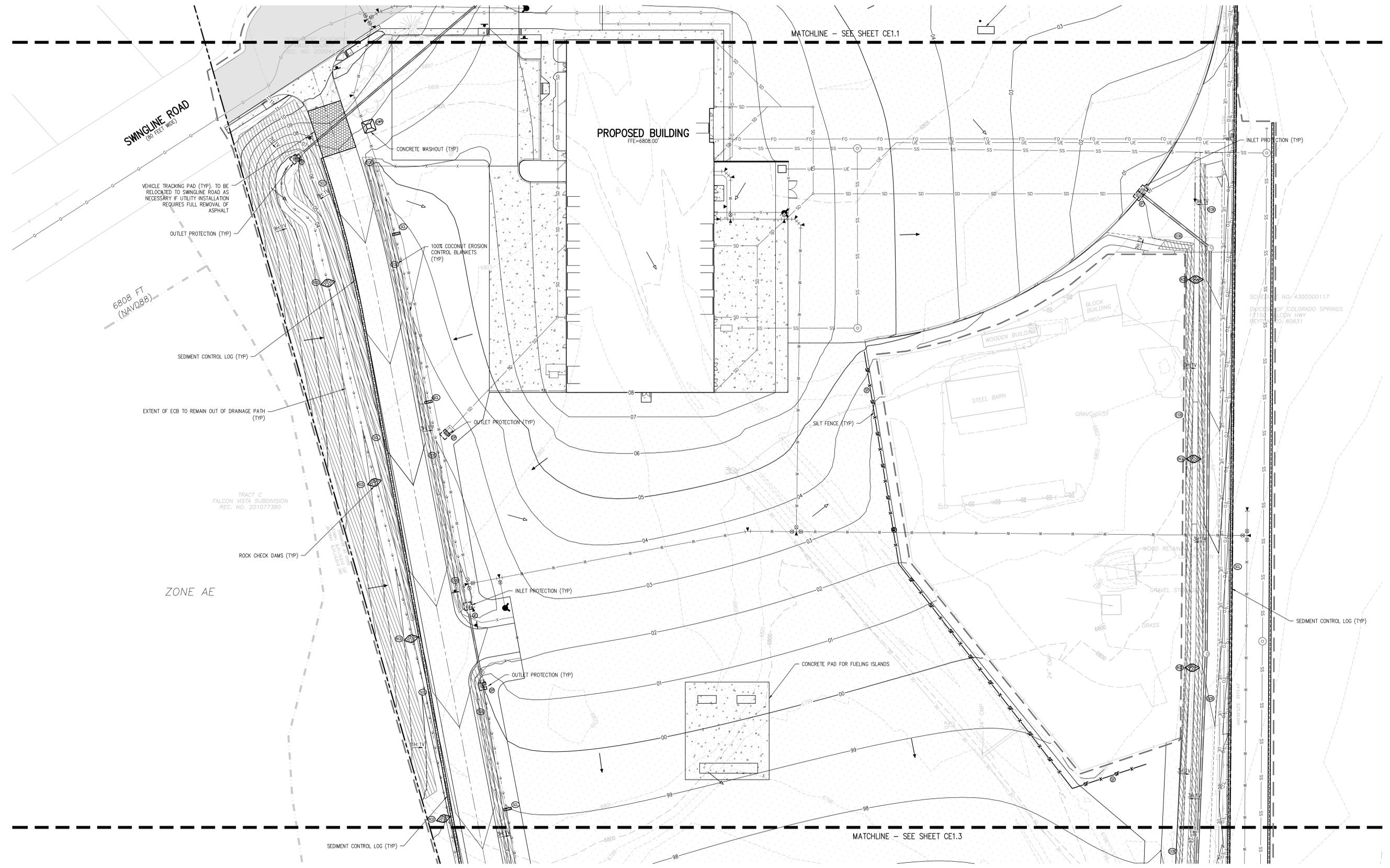
PROJECT NUMBER: 2021-041.00

DATE: 11/07/2022

REVISIONS:

NO.	DATE	DESCRIPTION
1	05/02/2022	ADDENDUM 01
2	06/02/2022	ADD-01
3	06/02/2022	COUNTY SUBMITTAL
4	11/02/2022	COUNTY SUBMITTAL 02

DESIGNED BY: CWK/HCM  
CHECKED BY: T.W. Amb  
DATE FOR CONSTRUCTION DOCUMENTS: 11/07/2022

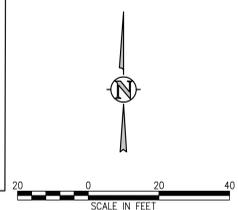
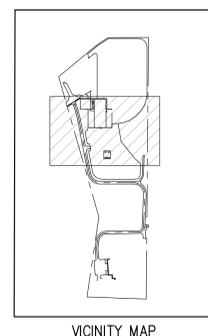


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**EROSION CONTROL LEGEND**

	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 WORK		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



INTERIM  
EROSION  
CONTROL PLAN  
C

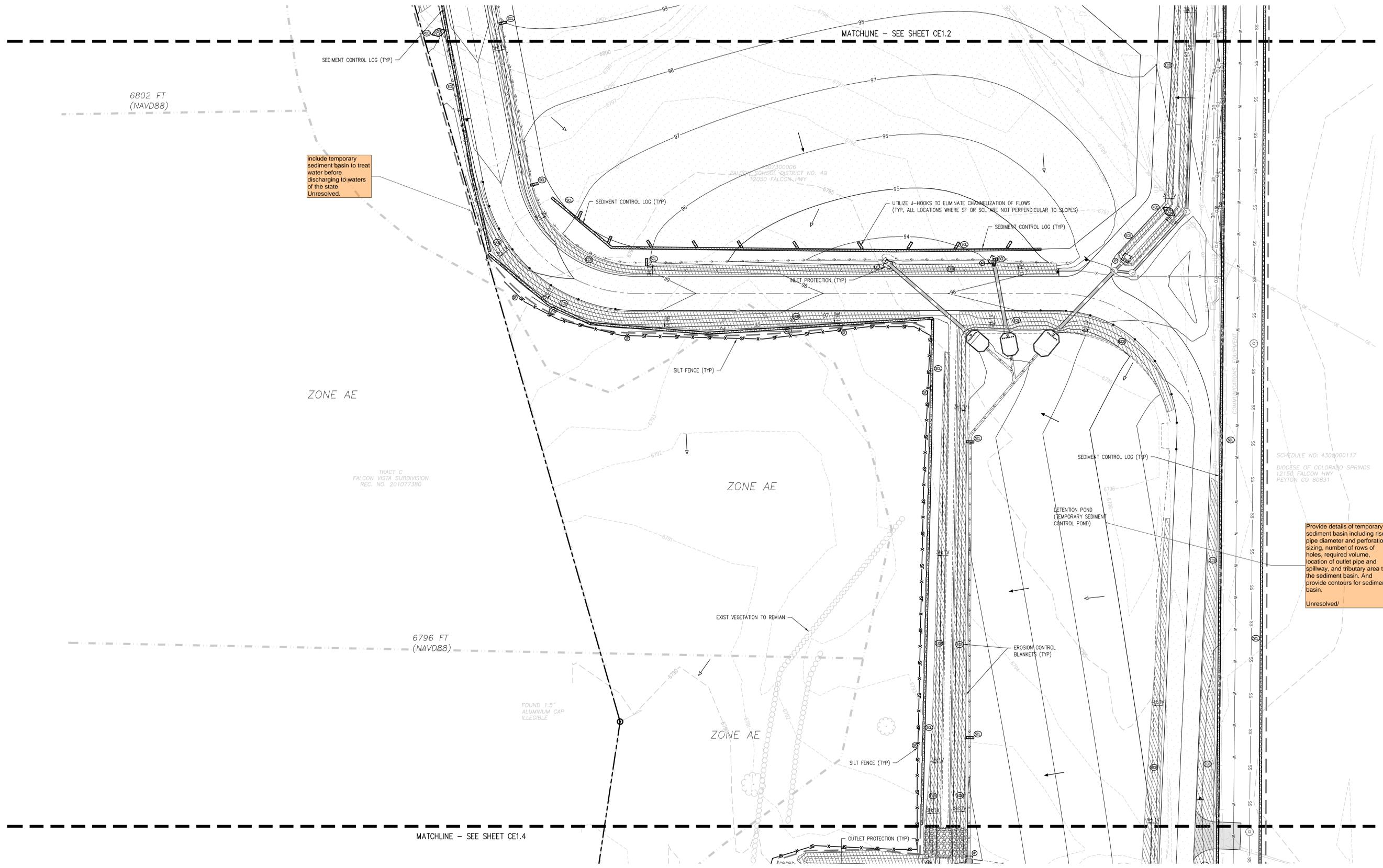
DATE: 11/07/2022  
DESCRIPTION: ADDENDUM 01  
CHECKED BY: TWK/AMB  
ISSUED FOR: CONSTRUCTION DOCUMENTS

REVISIONS:

NO.	DATE	DESCRIPTION
1	05/02/2022	ADDENDUM 01
2	06/02/2022	ADD-01
3	06/02/2022	COUNTY SUBMITTAL
4	11/02/2022	COUNTY SUBMITTAL 02

SCALE IN FEET

CE1.7



include temporary sediment basin to treat water before discharging to waters of the state  
Unresolved/

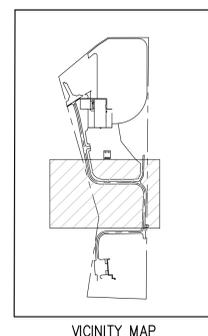
Provide details of temporary sediment basin including riser pipe diameter and perforation sizing, number of rows of holes, required volume, location of outlet pipe and spillway, and tributary area to the sediment basin. And provide contours for sediment basin.  
Unresolved/

**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		TEMPORARY SLOPE DRAIN		ROOF DRAIN DOWNSPOUT
	PROPOSED INTERMEDIATE CONTOUR		DIVERSION DITCH		CONCRETE WASHOUT AREA
	LIMITS OF WORK		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  
D**

DATE PROJECT NUMBER  
**2021-041-00**

DATE  
**11/07/2022**

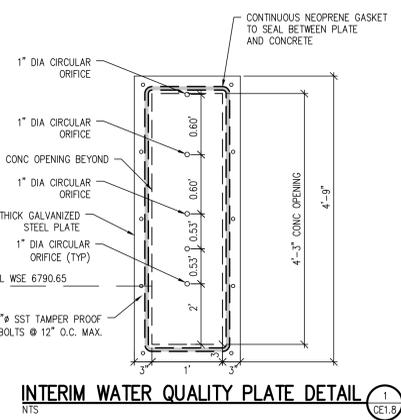
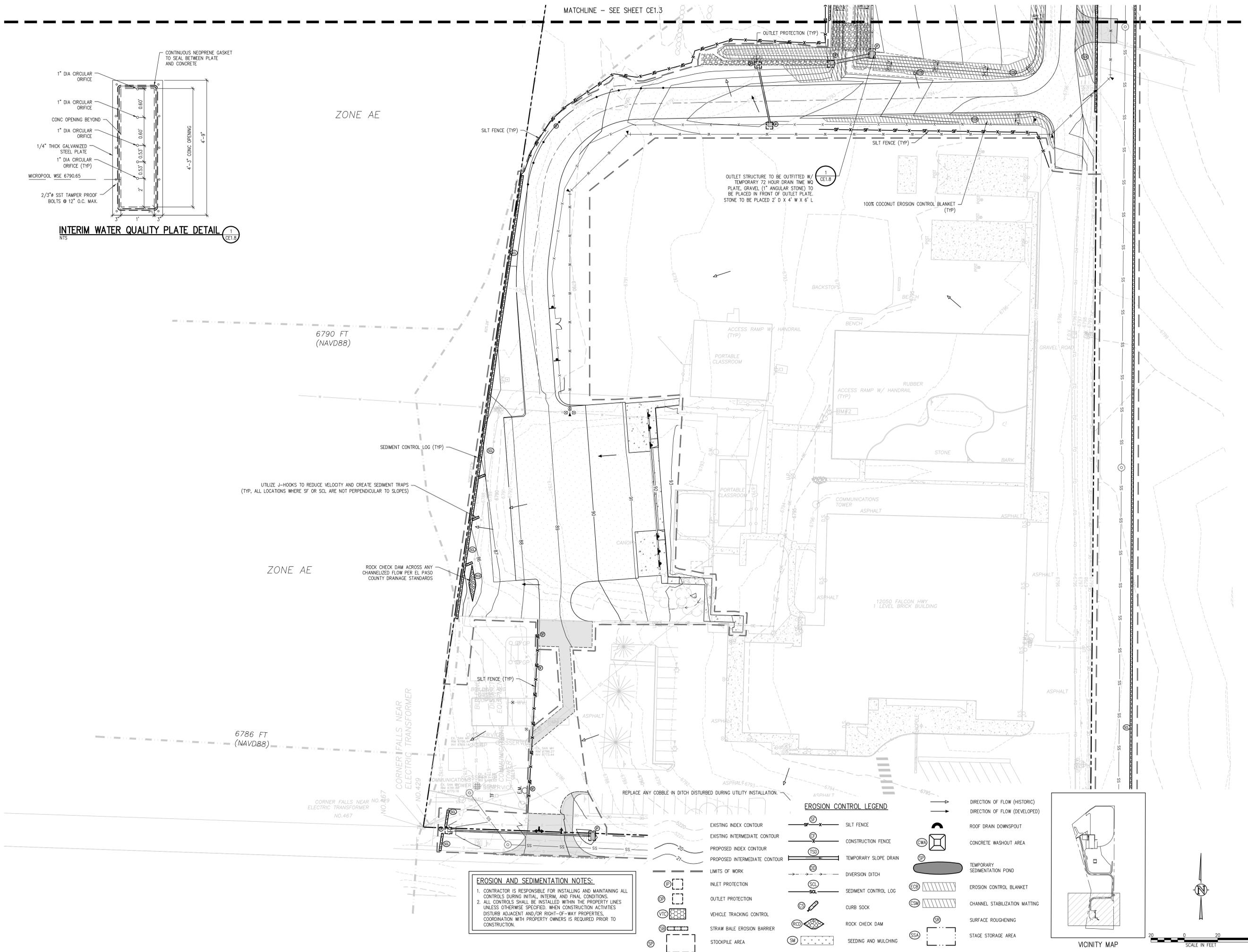
REVISIONS

NO.	DATE	DESCRIPTION
1	05/06/2022	ADDENDUM 01
2	06/29/2022	ADD-01
3	09/29/2022	COUNTY SUBMITTAL
4	11/22/2022	COUNTY SUBMITTAL 02

GRADE APPROVAL: **CWK/HCM**  
DRAWN BY: **TW/AMB**  
CHECKED BY: **CWK**

ISSUED FOR  
**CONSTRUCTION  
DOCUMENTS**

**CE1.8**



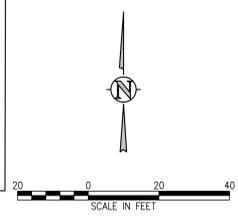
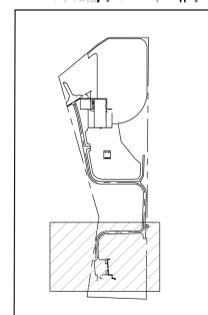
**INTERIM WATER QUALITY PLATE DETAIL**  
NTS

**EROSION AND SEDIMENTATION NOTES:**

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**EROSION CONTROL LEGEND**

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



**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: **11/07/2022**

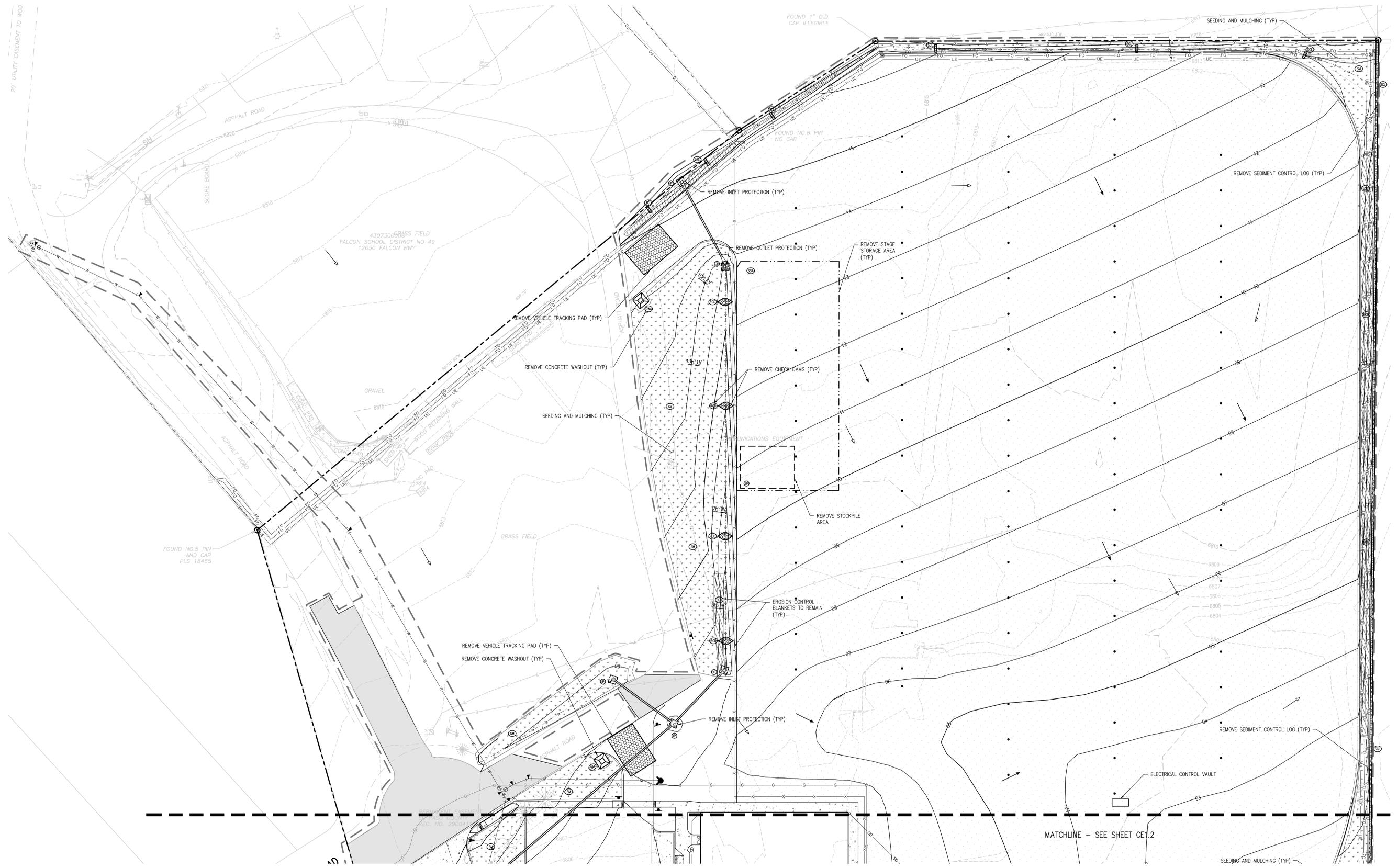
REVISIONS:

#	DATE	DESCRIPTION
1	05/02/2022	ADDENDUM 01
2	06/02/2022	ADD-01
3	09/02/2022	COUNTY SUBMITTAL
4	11/02/2022	COUNTY SUBMITTAL 02

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

ISSUED FOR:  
**CONSTRUCTION DOCUMENTS**

CE1.9

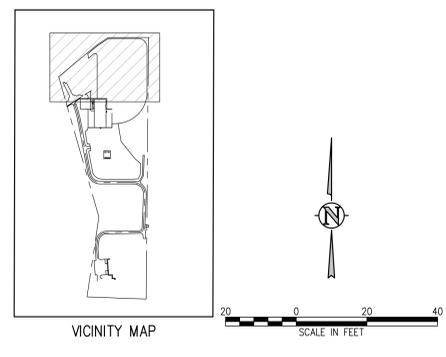


**EROSION AND SEDIMENTATION NOTES:**

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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		TEMPORARY SEDIMENTATION POND
	LIMITS OF WORK		DIVERSION DITCH		EROSION CONTROL BLANKET
	INLET PROTECTION		SEDIMENT CONTROL LOG		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



FINAL EROSION CONTROL PLAN B

DATE PROJECT NUMBER  
**2021-041.00**

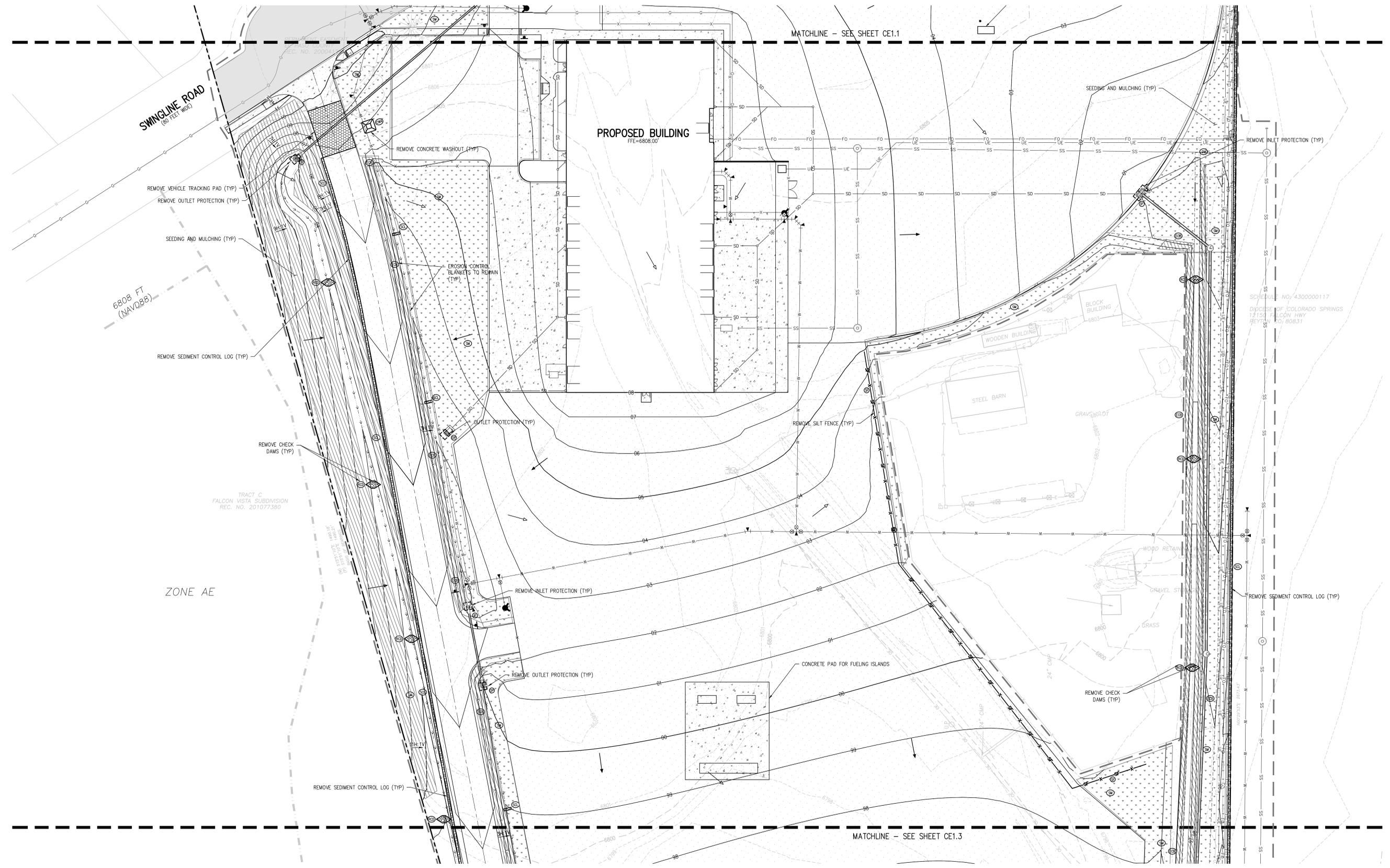
REVISIONS

NO.	DATE	DESCRIPTION
1	05/02/2022	ADDENDUM 01
2	06/02/2022	ADD-01
3	06/02/2022	COUNTY SUBMITTAL
4	11/07/2022	COUNTY SUBMITTAL 02

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

ISSUED FOR: **CONSTRUCTION DOCUMENTS**

CE1.10

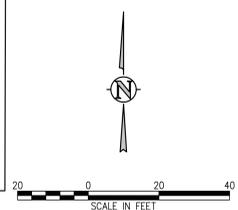
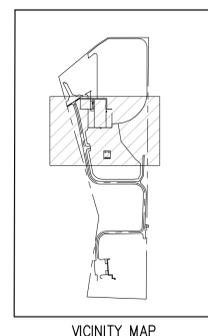


**EROSION AND SEDIMENTATION NOTES:**

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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		TEMPORARY SLOPE DRAIN		ROOF DRAIN DOWNSPOUT
	PROPOSED INTERMEDIATE CONTOUR		DIVERSION DITCH		CONCRETE WASHOUT AREA
	LIMITS OF WORK		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**  
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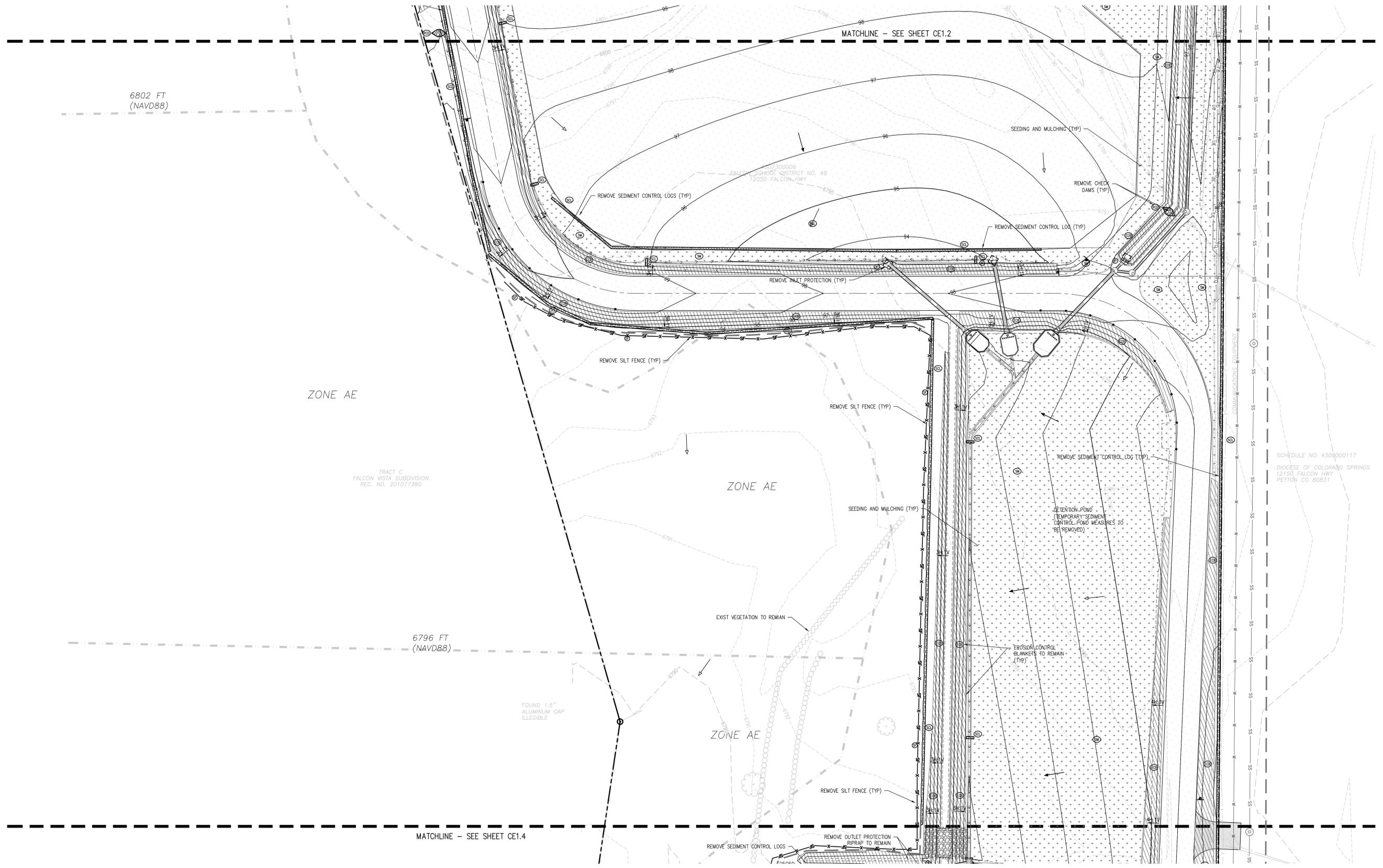


FINAL EROSION CONTROL PLAN C

DATE: 11/07/2022  
PROJECT NUMBER: 2021-041.00  
REVISIONS:

NO.	DATE	DESCRIPTION
1	05/02/2022	ADDENDUM 01
2	06/02/2022	ADD-01
3	06/02/2022	COUNTY SUBMITTAL
4	11/02/2022	COUNTY SUBMITTAL 02

DESIGNED BY: CWK/HCM  
DRAWN BY: T.W. AMBROSE  
CHECKED BY: CWK

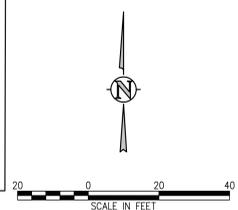
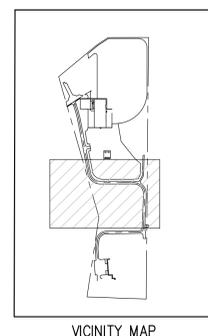


**EROSION AND SEDIMENTATION NOTES:**

- 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 WORK		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				



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**D49 TRANSPORTATION CENTER**  
**SCHOOL DISTRICT NO 49**  
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FINAL EROSION CONTROL PLAN D

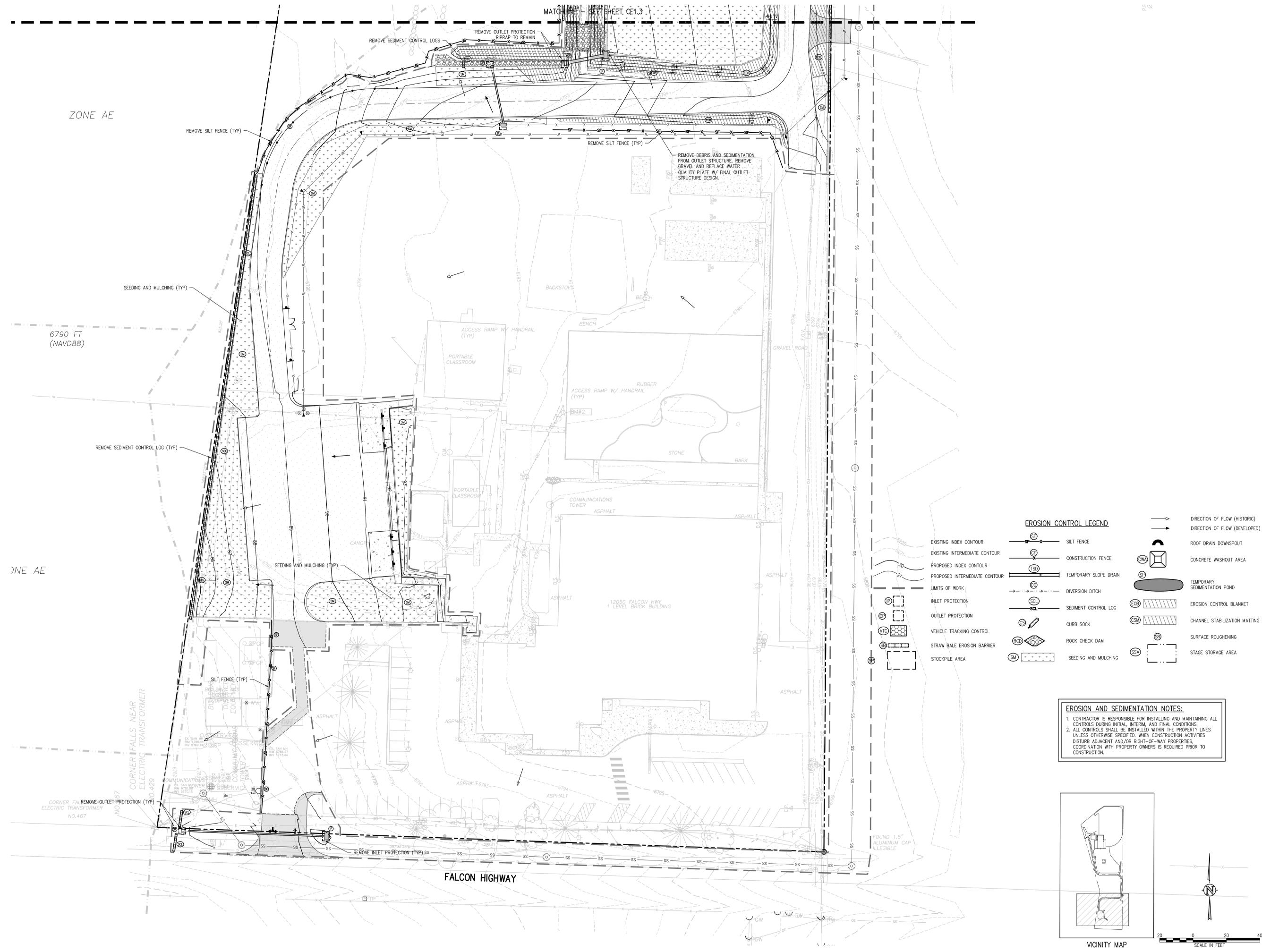
PROJECT NUMBER: 2021-041-00  
DATE: 11/07/2022

NO.	DATE	DESCRIPTION
1	05/02/2022	ADDENDUM 01
2	06/02/2022	ADD-01
3	06/02/2022	COUNTY SUBMITTAL
4	11/02/2022	COUNTY SUBMITTAL 02

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

CONSTRUCTION DOCUMENTS

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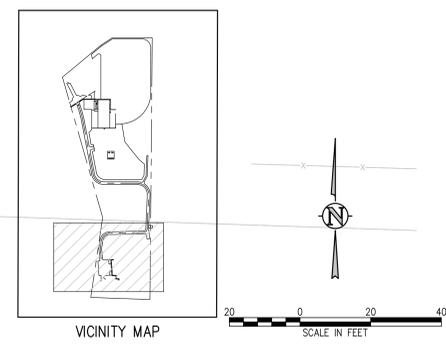


**EROSION CONTROL LEGEND**

	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 WORK		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				

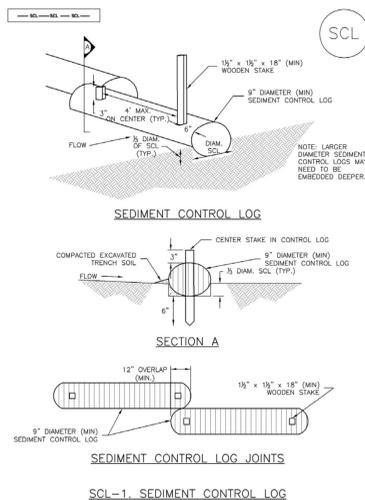
**EROSION AND SEDIMENTATION NOTES:**

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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.



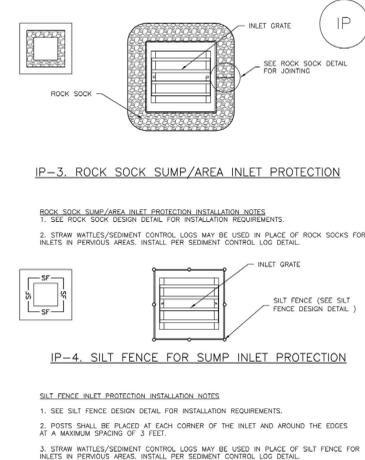
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**Sediment Control Log (SCL) SC-2**



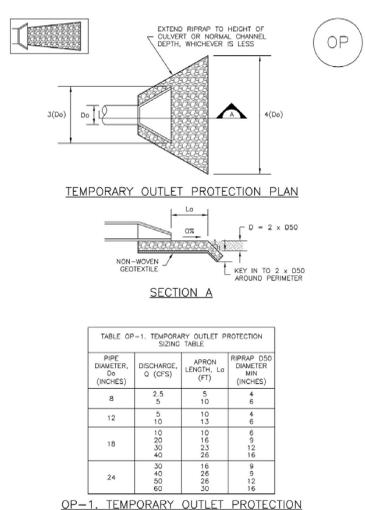
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SCL-3

**Inlet Protection (IP) SC-6**



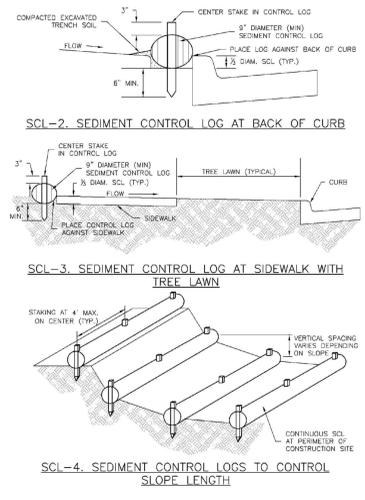
August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 IP-5

**EC-8 Temporary Outlet Protection (TOP) EC-8**



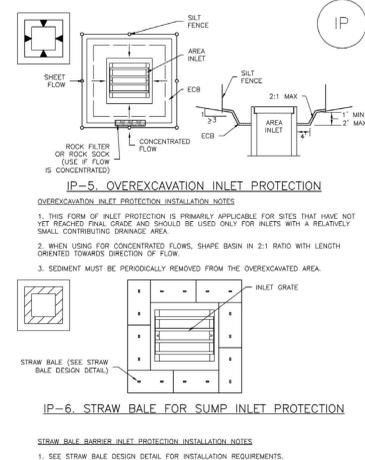
November 2010 Urban Drainage and Flood Control District EC-8

**SC-2 Sediment Control Log (SCL) SC-2**



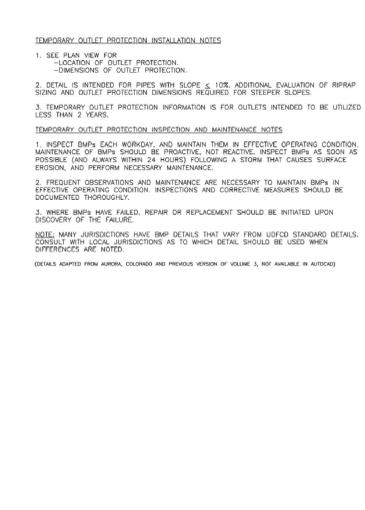
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SCL-4

**SC-6 Inlet Protection (IP) SC-6**



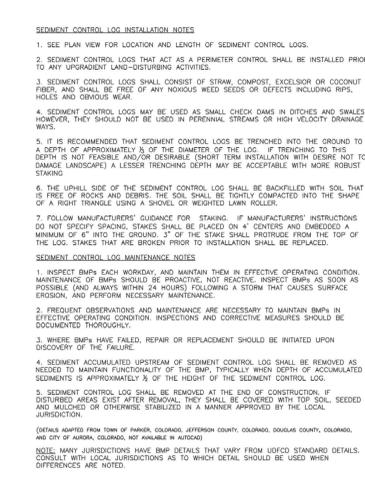
August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 IP-6

**Temporary Outlet Protection (TOP) EC-8**



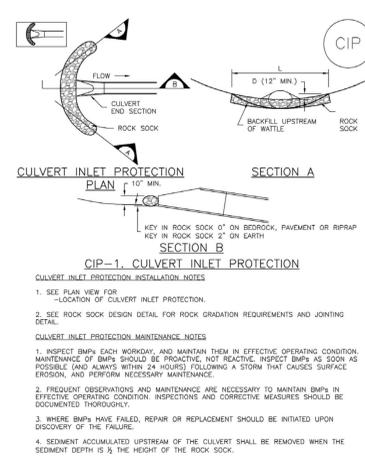
November 2010 Urban Drainage and Flood Control District EC-8

**Sediment Control Log (SCL) SC-2**



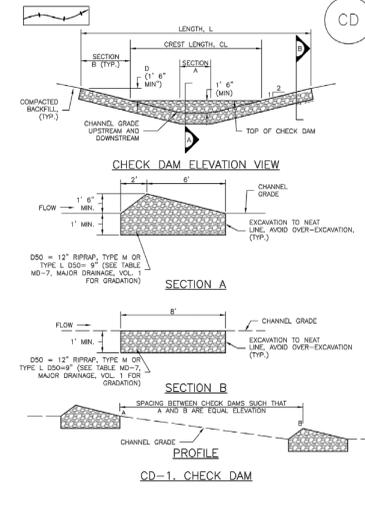
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SCL-5

**Inlet Protection (IP) SC-6**



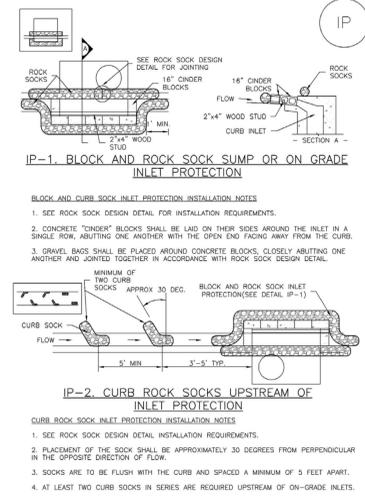
August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 IP-7

**Check Dams (CD) EC-12**



November 2010 Urban Drainage and Flood Control District EC-12

**SC-6 Inlet Protection (IP) SC-6**



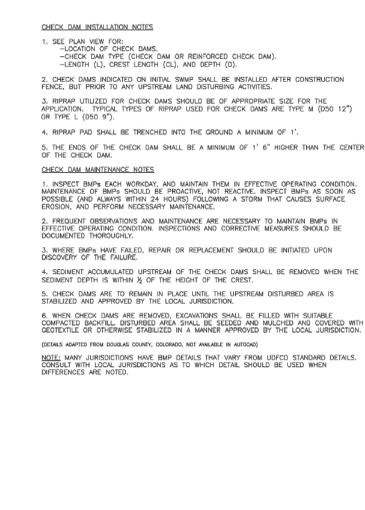
August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 IP-4

**SC-6 Inlet Protection (IP) SC-6**



August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 IP-8

**EC-12 Check Dams (CD) EC-12**



November 2010 Urban Drainage and Flood Control District EC-12



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



PROJECT TITLE  
**EROSION CONTROL DETAILS**

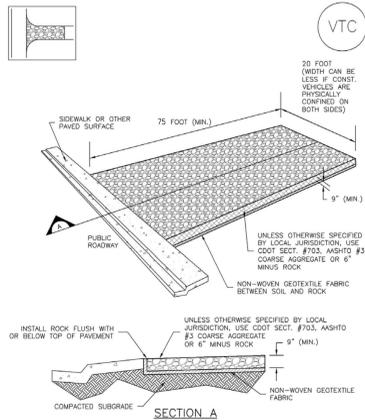
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 REVISIONS:

NO.	DATE	DESCRIPTION
1	05/06/2022	ADD/REV
2	06/20/2022	ADD/REV
3	06/20/2022	COUNTY SUBMITAL
4	11/02/2022	COUNTY SUBMITAL

DESIGNED FOR: CONSTRUCTION DOCUMENTS

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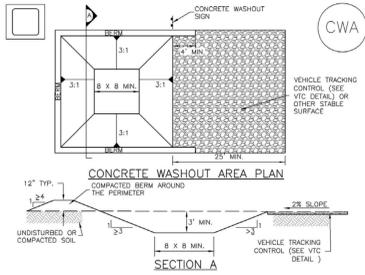
**Vehicle Tracking Control (VTC) SM-4**



VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

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

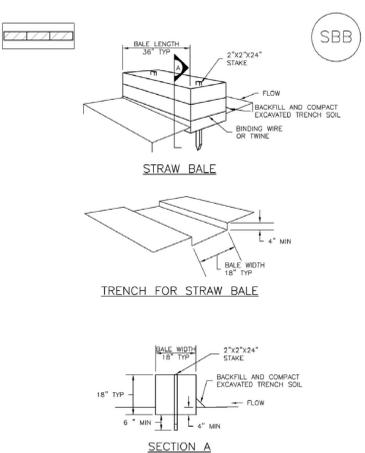
**Concrete Washout Area (CWA) MM-1**



CWA-1. CONCRETE WASHOUT AREA

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

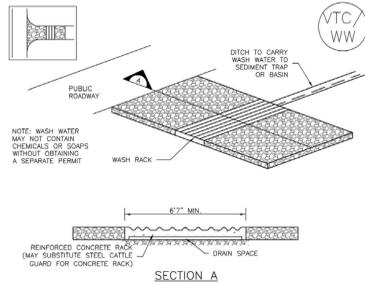
**SC-3 Straw Bale Barrier (SBB)**



SBB-1. STRAW BALE

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

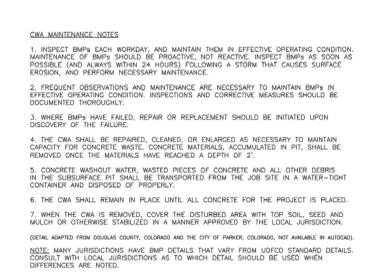
**SM-4 Vehicle Tracking Control (VTC)**



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

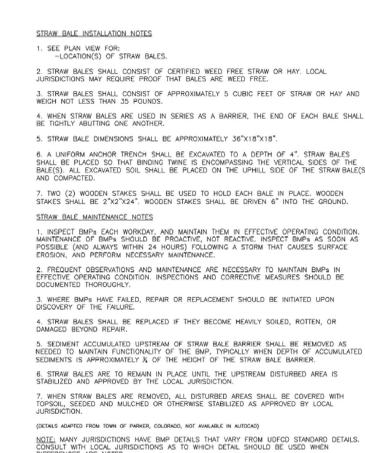
**MM-1 Concrete Washout Area (CWA)**



CWA-4. CONCRETE WASHOUT AREA

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

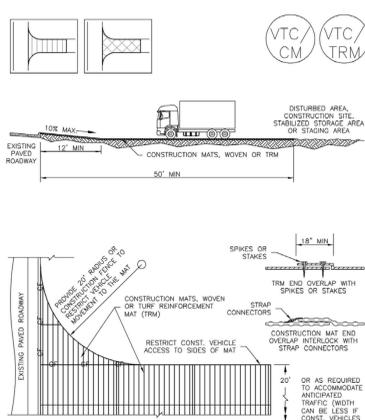
**SC-3 Straw Bale Barrier (SBB)**



SBB-4. STRAW BALE

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

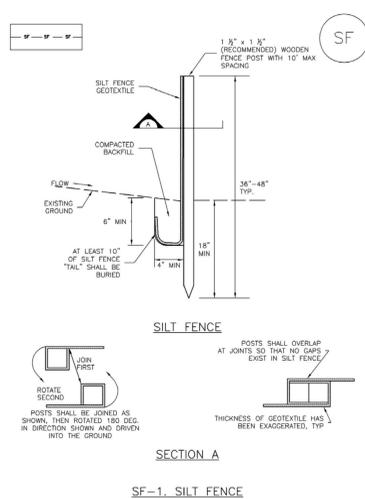
**Vehicle Tracking Control (VTC) SM-4**



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

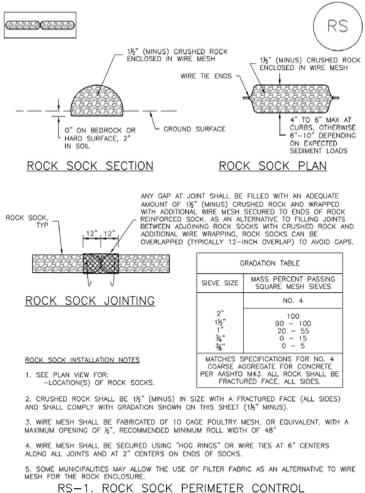
**SF-1 Silt Fence (SF)**



SF-1. SILT FENCE

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

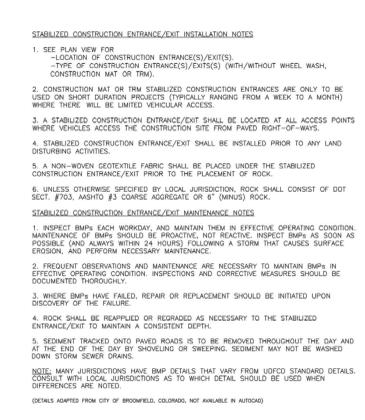
**SC-5 Rock Sock (RS)**



RS-1. ROCK SOCK PERIMETER CONTROL

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

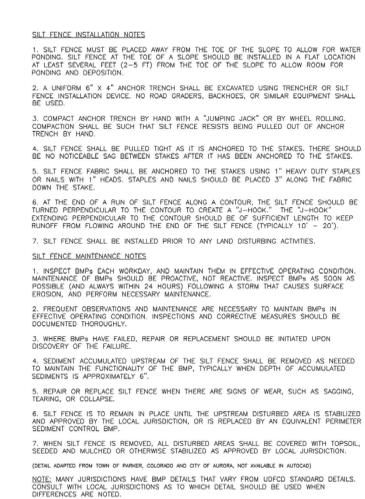
**SM-4 Vehicle Tracking Control (VTC)**



VTC-4. VEHICLE TRACKING CONTROL

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

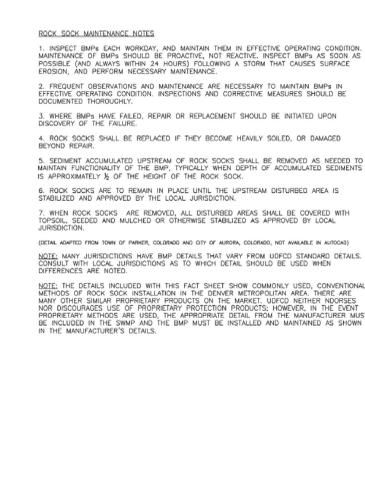
**SC-1 Silt Fence (SF)**



SF-2. SILT FENCE

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

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



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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SHEET TITLE  
**EROSION CONTROL DETAILS**

DATE PROJECT NUMBER  
 11/22/2022 2021-041-00

#	DATE	DESCRIPTION
1	05/02/22	ADDENDUM 01
2	06/20/22	ADD-1
3	06/20/22	COUNTY SUBMITTAL
4	11/22/22	COUNTY SUBMITTAL 02

DESIGNED BY: T.W. HAMB  
 CHECKED BY: CWK/HCM

CONSTRUCTION DOCUMENTS

CE1.14

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

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

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

**ECB-3. OUTSIDE OF DRAINAGEWAY**

**STAKING PATTERNS BY ECB TYPE**

**STAKING PATTERNS BY SLOPE OR CHANNEL TYPE**

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

**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 PRIOR 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 ECB SHOULD BE THE SUBJECT OF TEMPORARY EROSION CONTROL MEASURES UNTIL IT IS ACCEPTABLE IN JOINT 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

**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, SHALL 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)

RECP-9 Urban Drainage and Flood Control District  
Urban Storm Drainage Criteria Manual Volume 3 November 2010

### 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).
  - CONSTRUCTION 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 #2.5 ASHED #1 CORNER AGGREGATE OR #4 (QUAD) 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.

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

### SM-6 Stabilized Staging Area (SSA) 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 DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

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

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

### 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 STOCKPILED 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 BINDERS 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 DOWNGRADEMENT CONTROLS, INCLUDING PERMETER CONTROL, ARE IN PLACE, STOCKPILE PERMETER CONTROLS MAY NOT BE REQUIRED.

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### MM-2 Stockpile Management (SM) MM-2

**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.

**STOCKPILE PROTECTION MAINTENANCE NOTES**

- 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 DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

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