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El Paso County Department of Public Works

STORM WATER MANAGEMENT PLAN FOR
Honor Charter

Prepared for:

Highmark School Development
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May 2026

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First Last
Phone number: xxx-xxx-xxxx

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SWMP ADMINISTRATOR:

SWMP ADMINISTRATOR FOR DESIGN:

Name/Title	Contact Information
Brian Campbell, PE	970-613-1447 – bcampbell@tait.com

SWMP ADMINISTRATOR FOR CONSTRUCTION: (As defined in Subsection 208) The Contractor shall designate a SWMP Administrator for Construction upon ownership of the SWMP. The SWMP Administrator shall become the owner/operator and assume responsibility for all design changes to the SWMP implementation and maintenance in accordance to 208.03. The SWMP Administrator shall be responsible for implementing, maintaining, and revising SWMP, including the title and contact information. The activities and responsibilities of the SWMP Administrator shall address all aspects of the projects SWMP. (Update the information below for each new SWMP Administrator) (Copy of TECS Certification must also be included in the SWMP Notebook.) The SWMP Administration for construction is not a separate pay item but is included in the cost of the work.

Name/Title	Contact Information	Certification #	Start Date	Engineer Approval

SITE DESCRIPTION

This report is intended to summarize the Storm Water Management Plan (SWMP) for the construction activities that will occur with the Honor Charter site located in Falcon, El Paso County, Colorado. This plan is required by El Paso County and has been prepared according to regulations of the Colorado Department of Health and Water Quality Control Division.

The proposed site is a parcel of land located at 8250 Bent Grass Medows Drive in Falcon, Co. The site is situated a portion of the South ½ of the Northeast ¼ of Section 1, Township 13 South, Range 65 West of the Sixth Principal Meridian.

Existing stormwater runoff generally flows the southeast. Runoff is captured in two existing sediment ponds before eventually overtopping and flowing to the southeast corner of the site, and then to Bent Grass Meadows drive. From there, flow is directed east to the existing drainage ditch on the western edge of Meridian Road. Flows are discharged to EPC MS4 area. Refer to the Drainage Report for basin delineation and runoff calculations.

DESCRIPTION OF CONSTRUCTION ACTIVITY

Proposed development for this site includes a 48,428-sf charter school building, paved parking, drive aisles, curb, gutter, sidewalk, utility services, landscaping, and drainage conveyance systems. The overall site will be comprised of landscaping, building, and paved areas. The proposed development will be approximately 45.6% impervious. A portion of the drainage improvements are considered offsite improvements associated with this project. On-site stormwater is conveyed through offsite improvements which are included in the overall project. All Runoff from the proposed site is conveyed east to Meridian Road in compliance with the Bent Grass MDDP Amendment.

The first phase of construction will involve over lot grading, temporary and permanent erosion controls, as necessary. The second phase of construction will involve building and utility construction and paving operations.

The construction will occur approximately in the following order, but it is possible that some of these activities will occur simultaneously.

- Temporary erosion controls. (August-November 2026)
- Over lot grading. (December-March 2027)
- Construction of drainage improvements. (April-July 2027)
- Other utility and site improvements. (April-July 2027)
- Permanent landscaping and erosion controls, as needed. (April-July 2027)

Proposed Construction Schedule

- Expected Start Date: August 1, 2026
- Expected Completion Date: August 1, 2027

Proposed Construction Area

- Property Area: 8.98 acres

- Total Disturbed Area: 9.3 acres

Earthwork Volumes
Comparing the final grading to the overlot grading topography left by the Honor Charter contractor, we are estimating the following in terms of Cut / Fill

Cut	14,103 CY
Fill	19,808 CY
Net ***FILL***	5,706 CY

GESC Cost Estimate
The estimated cost of the Erosion Control Measures for the interim and final stages of development are $92,499.70.

Soil Erosion Potential
The existing soils profile is composed of clayey sand (SC), silty sand (SM), poorly graded sand (SP), poorly graded sand with silt (SP-SM), and locally well-graded sand with clay (SW-SC) and well-graded sand with silt (SW-SM). These soil types have a medium to high erodibility factor based of RUSLE/K-factor standards.

Construction BMPs will be implemented to ensure erosion and sediment control problems do not occur. Post-construction erosion and sediment control problems are also not anticipated. The likelihood is very minimal due to the proposed landscaping and improvements that will permanently stabilize the disturbed area of the site.

Estimated Runoff Coefficients, Existing Soils, And Erosion Potential
The anticipated 100-year runoff coefficient before construction activities is projected to be 0.27 per Appendix D. The estimated runoff coefficient after the proposed construction activities are completed is 0.45.

NRCS Soils: We defined an approximate area in the vicinity of the proposed school site on the NRCS Web Soil Survey. The report can be found in Appendix F. The subject site has been determined to entirely consist of A soils.

All land disturbing activities shall be conducted in such a manner to effectively reduce accelerated soil erosion and resulting sedimentation. All land disturbing activities shall be designed, constructed, and completed in such a manner that the exposure of disturbed land shall be limited to the shortest possible period. If conditions are warranted, the contractor will install the appropriate erosion and sediment control facilities shown on this Storm Water Management Plan.

Sediment caused by accelerated soil erosion shall be removed from runoff water before leaving the site. Temporary swales shall be designed and constructed as needed to limit the water to a slow non-erosive velocity.

Any stockpile for excess cut shall be maintained with a silt fence around its base which is sufficient in size to control runoff until it percolates into the native soil to preclude the escape of sediment laden runoff.

Permanent or temporary soil surface stabilization shall be applied to disturbed areas and soil stockpiles as soon as possible. Soil surface stabilization may also be applied to disturbed areas that may not be at final

grade but will remain dormant (undisturbed) for longer than 30 days.

Any settlement or soil accumulations beyond property limits due to grading or erosion shall be repaired immediately by the contractor. Any construction debris or mud tracking in the public right-of-way resulting from this development shall be removed immediately or as soon as practical by the contractor.

To the extent practicable, erosion and sediment control measures shall be installed prior to grading activities during project construction. All temporary and permanent erosion and sediment control measures shall be maintained and repaired as needed to prevent accelerated erosion on the site and any adjacent properties.

Existing Vegetation
The existing site is currently vacant, rough-graded lot. The ground cover is primarily vegetation. Existing vegetation consists of native grasses and weeds throughout the entire lot and is estimated to be approximately 65% density based on aerial imagery and field observations conducted in April 2026. Final vegetation cover to be 70% of pre-disturbed levels.

Description Of Other Potential Pollution Sources (I.E., Concrete Washout, Port-O-Lets, Dumpster, Etc.)
All disturbed and stored soils present potential pollutant sources due to increased sediment laden runoff. Appropriate BMP's including inlet protection, curb socks, silt fence, and seeding and mulching shall be used to mitigate the effects of sediment laden runoff. Any stockpile for excess cut shall be maintained with a silt fence around its base which is sufficient in size to control runoff until it percolates into the native soil to preclude the escape of sediment laden runoff.

Off-site soil tracking shall be controlled by the installation of paving, gravel or vehicle tracking control over all traffic areas of the site. The vehicle tracking pad, rock socks and inlet protection locations are shown on the site-specific erosion control plans. The vehicle tracking pad is at the entrance to the site, and the rock socks and inlet protections are placed to intercept any sediments from entering downstream inlets.

There are no additional known current contaminated soils for this site, nor are they anticipated to be a pollutant source during the development process. Refer to spill prevention and control plan in the appendix if soil contamination occurs.

Loading and unloading operations are to be conducted in/near the stabilized staging area whenever possible. This combined with vehicle tracking control will mitigate the pollution sources possible during construction.

All outdoor storage activities (building materials, fertilizers, chemicals, etc.) are to be in the stabilized staging area. Any associated waste stockpile will be in the stabilizing staging area shown on the site-specific erosion control plan.

Minor vehicle equipment maintenance and fueling activities are anticipated on site. Should there be any spills, steps laid out in the Spill Prevention Control Plan are to be taken.

Fugitive dust emissions resulting from significant dust or particulate generating processes such as grading and/or wind and shall be controlled using available control technology and best management practices as defined by the Colorado Department of Health at the time of construction.

Routine maintenance activities involving fertilizers, pesticides, detergents, fuels, solvents, oils, etc. are not anticipated to be an issue with this site. Any fertilizers used to provide regular maintenance of the associated landscape should be run through a buffer and landscape swale prior to discharge.

On-site waste management practices including but not limited to (waste piles, liquid waste, dumpsters, etc.) are to be regularly monitored and maintained. Any piles during construction are to be in the stabilized staging area.

A concrete truck washout area will be provided as designated on the Erosion control plans provided with this submittal. This is a potential allowable non-stormwater discharge. No dewatering per the CDPHE is expected to be required now.

Non-industrial waste sources that may be significant such as worker trash and portable toilets are anticipated for this site. Trash and debris shall be collected and trucked from the site. The location of the sanitary facilities are shown on the site-specific erosion control plan.

There are no dedicated asphalt and concrete batch plants anticipated during the development of this lot.

There are no bulk storage area (e.g., fuel tanks, chemical storage over 55- gallon capacity) onsite.

There is only one known anticipated non-storm water discharge (concrete washout with appropriate controls) anticipated during construction. The concrete washout area has been shown with the designated BMP's on the plan.

There are no anticipated other areas or procedures where potential spills can occur.

Trash and debris shall be collected and trucked from the site.

Location And Description Of BMPs
Refer to GEC Plans included with submittal for locations of all proposed BMPs.

PHASE 1 – GRADING PHASE–BMPs FOR INITIAL INSTALLATION OF PERIMETER CONTROLS

Vehicle Tracking Control

Prior to beginning earthwork activities, vehicle tracking control pads will be installed at every entrance/exit to the site as designated on the plan. The vehicle tracking control pad provides stabilized construction site access where vehicles exit the site onto paved public roads. The vehicle tracking control shall remain in place until there is longer potential for vehicle tracking to occur, typically after the site is stabilized.

Silt Fence

Prior to beginning earthwork activities, silt fences will be installed around the construction site as designated on the plan on the downstream side of the disturbed areas. The silt fence will protect downstream property from receiving excessive sediment loads from the upgradient disturbed ground surface. The silt fence along the boundaries shall remain in place until permanent landscaping and lawns have been established.

Permanent or Temporary Soil Stabilization

Soil stabilization measures shall be applied to disturbed areas and soil stockpiles within 7 days after final grade is reached on any portion of the site. Soil stabilization measures shall be applied within 7 days to disturbed areas, which may not be at final grade, but will be left dormant for longer than 14 days.

Soil Stockpiles

Soil stockpiles expected to be in place longer than 60 days shall be seeded with a temporary grass cover and mulched within 7 days after completion of stockpile construction if conditions warrant according to the details depicted in this storm water management plans.

Inlet/Outlet Protection

For existing storm sewer inlets, all storm sewer inlets made operable during construction will have sediment entrapment facilities installed as needed to prevent sediment –laden runoff from entering the inlet. Contractor shall install inlet protection in accordance with the UDFCD standard details. Gravel bags for proposed flowline.

Sanitary Facilities

All Sanitary Facilities shall be placed in or near the designated Stabilized Staging Area on site.

Temporary Sediment Basin

A Temporary Sediment Basin will be built in order to detain sediment-laden runoff long enough to allow much of the sediment to settle out. Contractor to construct the basin according to county specifications.

PHASE 2 – INFRASTRUCTURE PHASE–BMPs FOR UTILITY; PAVING; CURB AND GUTTER INSTALLATIONS

Inlet Protection
All storm sewer inlets made operable during construction will have sediment entrapment facilities installed as needed to prevent sediment–laden runoff from entering the inlet. The contractor shall install inlet protection in accordance with the UDFCD standard details included within this report.

Sediment Control
All runoff leaving a disturbed area shall pass through at least one sediment entrapment facility before it exits the site.

Rock Socks (Gravel Bag)
All storm sewer inlets/ curb and gutter downstream and offsite will have sediment entrapment facilities installed as needed to prevent sediment –laden runoff from entering the inlet. Contractor shall install inlet protection in accordance with the UDFCD standard details.

Disposition of Temporary Measures
All temporary erosion and sediment control measures shall be removed within 30 days after final stabilization is achieved, or after the temporary measures are no longer needed, whichever occurs earliest.

Materials Handling and Spill Prevention
A concrete truck washout area will be provided as designated on the erosion control plans provided with this submittal. Refer to Appendix C for the Spill Prevention and Control Plan.

Concrete Washout
Concrete waste management involves designating and properly managing a specific area of the construction site as a concrete washout area. A concrete washout area can be created using one of several approaches designed to receive wash water from the washing of tools and concrete mixer chutes, liquid concrete waste from dump trucks, mobile batch mixers, or pump trucks. Three basic approaches are available: excavation of a pit in the ground, use of an above-ground storage area, or use of prefabricated haul-away concrete washout containers. Surface discharges of concrete washout water from construction sites are prohibited.

Temporary Sediment Basin
A Temporary Sediment Basin will be built in order to detain sediment-laden runoff long enough to allow much of the sediment to settle out. Contractor to construct the basin according to county specifications.

PHASE 3 – PERMANENT BMPs AND FINAL STABILIZATION

Permanent vegetative cover consisting of as designated by the Landscape Architect, shall be drill-seeded as called out on the construction plans. Mulch shall be used to stabilize the exposed surface.

Landscaping:
On-site landscaping areas shall be left in rough surface condition until covered with plantings and stone or wood mulch. Refer to Landscape plans for stabilization details and methods.

Final stabilization and long-term stormwater management

Grass buffers and swales shall be provided in the locations shown on the plans and in accordance with the requirements stated in UDFCD's Urban Storm Drainage Criteria Manual: Volume 3.

All erosion and pollution control measures shall be installed as shown, unless amended by the El Paso County, the Colorado Department of Health, or the Owner.

All construction debris shall be removed and all drainage facilities cleaned by the contractor either prior to or at the completion of the project.

Where final stabilization is achieved using vegetative cover, vegetative cover must be evenly distributed perennial vegetation and coverage will be, at minimum, 70% of what would have been provided by native vegetation in a local, undisturbed area.

Permanent EDP Pond 1 is located on the southeast portion of the site and will provide water quality treatment for on-site runoff. A separate self-treating pervious area is located on the east of the site and will provide water quality treatment for that portion of the site.

INSPECTION AND MAINTENANCE PROCEDURES

Inspections

Perform every 14 days, or within 24 hours following each precipitation or snowmelt event that results in runoff. Inspections should include, but are not limited to, observation of:

- the construction site perimeter and discharge points (including discharges into a storm sewer system).
- all disturbed areas.
- areas used for material/waste storage that are exposed to precipitation.
- other areas determined to have a significant potential for stormwater pollution, such as demolition areas or concrete washout locations, or locations where vehicles enter or leave the site.
- erosion and sediment control measures identified in the SWMP.
- any other structural BMPs that may require maintenance, such the condition of spill response kits.

Complete an inspection report for each inspection performed. At a minimum, the following items must be documented as part of the site inspections:

- The inspection date;
- Name(s) and title(s) of personnel making the inspection;
    - Location(s) of discharges of sediment or other pollutants from the site;
- Location(s) of BMPs that need to be maintained;
    - Location(s) of BMPs that failed to operate as designed or proved inadequate for a particular location;
    - Location(s) where additional BMPs are needed that were not in place at the time of inspection;
- Deviations from the minimum inspection frequency as discussed above;
- Description of corrective action for items c, d, e, and f, above, dates corrective action(s) taken, and measures taken to prevent future violations, including requisite changes to the SWMP, as necessary; and
- After adequate corrective action(s) has been taken, or where a report does not identify any incidents requiring corrective action, the report shall contain a signed statement indicating the site is in compliance with the permit to the best of the signer‘s knowledge and belief.

Keep inspection reports on site. Additionally, it is recommended that a logbook be maintained for inspection reports, maintenance records, spill response, weather conditions, training, correspondence, etc.

Refer to the Appendix B for a template of the Colorado Department of Public Health & Environment (CDPHE) Construction Stormwater Site Inspection Report.

This SWMP will be viewed as a living document that is continuously reviewed and modified as part of the overall process of managing stormwater quality issues on site and all changes must be recorded in a method that clearly states the date and description of change. The QSM will amend the SWMP when there is a change in design, construction, pollutants sources, or if the SWMP proves to be ineffective in achieving the general objective of controlling pollutants in stormwater discharge associated with construction activity. The O&M manual will also be updated to match any changes to the SWMP, changes to stormwater control measures or when stormwater control measures are no longer necessary and are removed.

Maintenance

The contractor shall perform maintenance and repairs as soon as possible on all temporary and permanent erosion and sediment control practices identified in the inspection report to ensure the continued performance of their intended function.

Perform maintenance as indicated in the El Paso County Stormwater Management Manual, per manufacturer's specifications, or other sources determined to be acceptable.

It is understood that additional erosion control measures may be required of the owner and his or her agents due to unforeseen erosion problems or if the submitted plan does not function as intended. The requirements of this plan shall run with the land and be the obligation of the landowner until such time as the plan is properly completed, modified, or voided. The erosion and sediment control plan may be modified by the El Paso County or Colorado Department of Public Health & Environment (CDPHE) or authorized representative as field conditions warrant.

IDENTIFICATION OF NON-STORMWATER DISCHARGES

Authorized Non-Storm Water Discharges*	**Comments**
Discharges from fire-fighting activities.	In emergency situations. The remaining firefighting water needs to be removed afterward and properly disposed of.
Non-detergent-based vehicle washing.	Concrete truck wash out. Wash water is retained onsite.
Water used for dust control.	Water is used during construction to control dust.
Potable water sources including waterline flushing.	Domestic drinking water supply lines are flushed to ensure lines are clean and have no residual chlorine.
Occasional external building wash down that does not use detergents.	Pressure washing of building. Do not use detergents.
Pavement wash waters where spill or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used.	Pavement is pressure-washed on an occasional basis. No chemicals are used and after all leaks or spills have been cleaned up.
Uncontaminated air conditions or compressor condensate.	Air conditioning condensate from the construction trailer during construction.
Landscape irrigation.	Temporary and permanent vegetation may be irrigated to establish and enhance growth.

*The Stormwater Construction Permit only covers discharges composed entirely of stormwater. Emergency firefighting water is the only authorized exception. Concrete Washout water can NOT be discharged to surface waters or to storm sewer systems without separate permit coverage. The discharge of Concrete Washout water to the ground, under specific conditions, may be allowed by the Stormwater Construction Permit when appropriate BMPs are implemented.

Appendix A
Vicinity Map



VICINITY MAP

(NOT TO SCALE)

Appendix B
Inspection form

CONSTRUCTION STORMWATER SITE INSPECTION REPORT

Facility Name		Permittee	
Date of Inspection		Weather Conditions	
Permit Certification #		Disturbed Acreage	
Phase of Construction		Inspector Title	
Inspector Name			

	YES	NO
Is the above inspector a qualified stormwater manager? (permittee is responsible for ensuring that the inspector is a qualified stormwater manager)	☐	☐

INSPECTION FREQUENCY	
Check the box that describes the minimum inspection frequency utilized when conducting each inspection	
At least one inspection every 7 calendar days	☐
At least one inspection every 14 calendar days, with post-storm event inspections conducted within 24 hours after the end of any precipitation or snowmelt event that causes surface erosions	☐
• This is this a post-storm event inspection. Event Date: _____	☐
Reduced inspection frequency - Include site conditions that warrant reduced inspection frequency	☐
• Post-storm inspections at temporarily idle sites	☐
• Inspections at completed sites/area	☐
• Winter conditions exclusion	☐

	YES	NO
Have there been any deviations from the minimum inspection schedule? If yes, describe below.	☐	☐

INSPECTION REQUIREMENTS*
i. Visually verify all implemented control measures are in effective operational condition and are working as designed in the specifications
ii. Determine if there are new potential sources of pollutants
iii. Assess the adequacy of control measures at the site to identify areas requiring new or modified control measures to minimize pollutant discharges
iv. Identify all areas of non-compliance with the permit requirements, and if necessary, implement corrective action
*Use the attached **Control Measures Requiring Routine Maintenance** and **Inadequate Control Measures Requiring Corrective Action** forms to document results of this assessment that trigger either maintenance or corrective actions

AREAS TO BE INSPECTED

Is there evidence of, or the potential for, pollutants leaving the construction site boundaries, entering the stormwater drainage system or discharging to state waters at the following locations?

	NO	YES	If "YES" describe discharge or potential for discharge below. Document related maintenance, inadequate control measures and corrective actions **Inadequate Control Measures Requiring Corrective Action** form
Construction site perimeter	☐	☐	
All disturbed areas	☐	☐	
Designated haul routes	☐	☐	
Material and waste storage areas exposed to precipitation	☐	☐	
Locations where stormwater has the potential to discharge offsite	☐	☐	
Locations where vehicles exit the site	☐	☐	
Other: _____	☐	☐	

CONTROL MEASURES REQUIRING ROUTINE MAINTENANCE

Definition: Any control measure that is still operating in accordance with its design and the requirements of the permit, but requires maintenance to prevent a breach of the control measure. These items are not subject to the corrective action requirements as specified in Part I.B.1.c of the permit.

Are there control measures requiring maintenance?	NO	YES	
	☐	☐	If "YES" document below

Date Observed	Location	Control Measure	Maintenance Required	Date Completed

INADEQUATE CONTROL MEASURES REQUIRING CORRECTIVE ACTION

Definition: Any control measure that is not designed or implemented in accordance with the requirements of the permit and/or any control measure that is not implemented to operate in accordance with its design. This includes control measures that have not been implemented for pollutant sources. If it is infeasible to install or repair the control measure immediately after discovering the deficiency the reason must be documented and a schedule included to return the control measure to effective operating condition as possible.

	NO	YES	
Are there inadequate control measures requiring corrective action?	☐	☐	If "YES" document below

	NO	YES	
Are there additional control measures needed that were not in place at the time of inspection?	☐	☐	If "YES" document below

Date Discovered	Location	Description of Inadequate Control Measure	Description of Corrective Action	Was deficiency corrected when discovered? YES/NO if "NO" provide reason and schedule to correct	Date Corrected

REPORTING REQUIREMENTS

The permittee shall report the following circumstances orally within twenty-four (24) hours from the time the permittee becomes aware of the circumstances, and shall mail to the division a written report containing the information requested within five (5) working days after becoming aware of the following circumstances. The division may waive the written report required if the oral report has been received within 24 hours.

All Noncompliance Requiring 24-Hour Notification per Part II.L.6 of the Permit

a. Endangerment to Health or the Environment

Circumstances leading to any noncompliance which may endanger health or the environment regardless of the cause of the incident (See Part II.L.6.a of the Permit)

This category would primarily result from the discharge of pollutants in violation of the permit

b. Numeric Effluent Limit Violations

- o Circumstances leading to any unanticipated bypass which exceeds any effluent limitations (See Part II.L.6.b of the Permit)
- o Circumstances leading to any upset which causes an exceedance of any effluent limitation (See Part II.L.6.c of the Permit)
- o Daily maximum violations (See Part II.L.6.d of the Permit)

Numeric effluent limits are very uncommon in certifications under the COR400000 general permit. This category of noncompliance only applies if numeric effluent limits are included in a permit certification.

Has there been an incident of noncompliance requiring 24-hour notification?	NO	YES	
	☐	☐	If "YES" document below

Date and Time of Incident	Location	Description of Noncompliance	Description of Corrective Action	Date and Time of 24 Hour Oral Notification	Date of 5 Day Written Notification *

*Attach copy of 5 day written notification to report. Indicate if written notification was waived, including the name of the division personnel who granted waiver.

After adequate corrective action(s) and maintenance have been taken, or where a report does not identify any incidents requiring corrective action or maintenance, the individual(s) designated as the Qualified Stormwater Manager, shall sign and certify the below statement:

"I verify that, to the best of my knowledge and belief, all corrective action and maintenance items identified during the inspection are complete, and the site is currently in compliance with the permit."

Name of Qualified Stormwater Manager	Title of Qualified Stormwater Manager
Signature of Qualified Stormwater Manager	Date

Notes/Comments

Appendix C
SPILL PREVENTION AND RESPONSE PLAN

Spill Prevention and Response Plan
Honor Charter – Falcon, El Paso County Colorado

Introduction
Whenever significant quantities of fuels, construction materials, vehicle fluids, or other pollutants are used on site, specific procedures for material containment and spill prevention shall be developed and implemented. The following Spill Prevention and Response Plan shall be implemented during the construction of the **Honor Charter** facility in Falcon, Colorado.

Materials On-Site
Spill control procedures will be implemented when materials are stockpiled or when chemicals and/or fluids are used in the construction area.

Stockpiles of Dry Materials
The following spill prevention procedures shall be implemented:

- All materials shall be stockpiled in designated areas, with Best Management Practices (BMPs) in place to reduce and minimize the runoff of contaminants.
- BMPs such as silt fences, sediment control logs, and rock socks will be installed according to El Paso County criteria, using the details shown in the approved Grading and Erosion Control Plan.
- Loading and unloading operations shall be performed in a manner that limits the potential for material spills.
- Any spilled materials shall be cleaned up immediately after operations are completed.

Vehicle Fueling

- All vehicle fueling will be conducted off-site whenever possible.
- Any on-site fueling will be performed in designated areas with appropriate spill containment measures in place.
- Measures may include temporary berms around fueling areas, portable covers, and/or drip pans under valves and tank openings.
- Berms will be constructed around fueling areas as needed, and an adequate supply of absorbent materials will be stocked at each fueling location.

Routine Vehicle and Equipment Maintenance

- All vehicle and equipment maintenance will be conducted off-site whenever feasible.
- If on-site repairs are necessary, they will be performed in designated, contained areas with earthen berms.
- Adequate drip pans will be available at all maintenance areas.
- Absorbent materials will be used for minor spills or leaks, and all contaminated materials will be disposed of properly.

Spill Response
Cleanup and Removal Procedures

1. **Ensure personal safety** first. Eliminate possible ignition sources, such as running engines or

electrical equipment, before approaching the spill.
2. Evaluate the spill to determine potential hazards, health risks, and containment strategies.
3. Notify the construction supervisor immediately if assistance is required.
4. Identify and stop the source of the spill if it can be done safely.

⚠ **In case of fire:** Evacuate the area, render first aid if necessary, call 911, and control fires before addressing the spill.

Small Spills (< 5 gallons)

1. Ensure personal safety and stop the flow of pollutants if possible.
2. Contain the spill with absorbents, portable berms, or sandbags.
3. Apply absorbent materials to soak up liquid and prevent soil infiltration.
4. Remove absorbents and place them in appropriate storage containers for disposal.
5. For soil contamination, excavate affected material and store it on a double layer of polyethylene sheeting with berms to prevent runoff.
6. Record details including:
    - Type of pollutant
    - Location
    - Source
    - Estimated volume
    - Time of discovery
    - Cleanup actions taken
7. Notify the site supervisor, who will contact **El Paso** authorities if required.

Medium to Large Spills (> 5 gallons)

1. Ensure personal safety and stop the flow if possible.
2. Use heavy equipment or berms to contain the spill, following El Paso requirements.
3. Notify the supervisor immediately with details of the spill.
4. Mobilize additional resources to contain and clean up as needed.
5. Pump or bail liquid into appropriate storage containers.
6. Apply absorbents, collect them, and place them in secure containers.
7. Excavate contaminated soil and transport it off-site for proper disposal.
8. If immediate transport is not possible, store contaminated soil on polyethylene sheeting with berms.
9. Document all relevant details and submit them to the supervisor for reporting.

Notification Requirements

State and Federal Reporting

- **Spills into or threatening State waters:** Immediate notification is required to the **Colorado Department of Public Health & Environment (CDPHE)** at **1-877-518-5608**.
- **Oil or hazardous substance spills:** Contact the **National Response Center** at **1-800-424-8802**.
- **Reportable quantities:**
    - Motor oil – 25 gallons or more
    - Hydraulic oil – 25 gallons or more
    - Gasoline/Diesel – 25 gallons or more

Information to provide:

1. Your name
2. Location of spill (Falcon, CO)
3. Nature of the spill and type of product

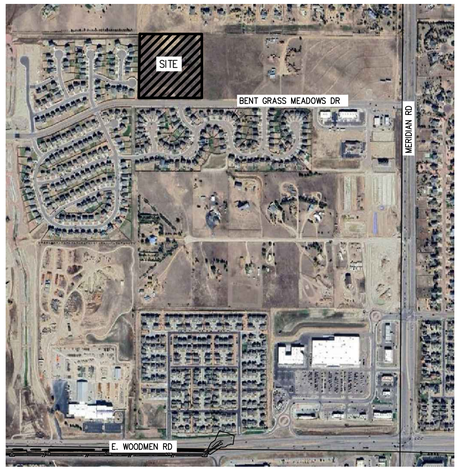
4. Estimated quantity
5. Actions taken so far
6. Assistance or equipment needed
7. Landowner name
8. Responsible department or contractor

Note: Releases of 25 gallons or less on land that do not threaten public health, the environment, or State waters do not require official notification but must still be cleaned up and documented.

Appendix D
Approved GEC plan

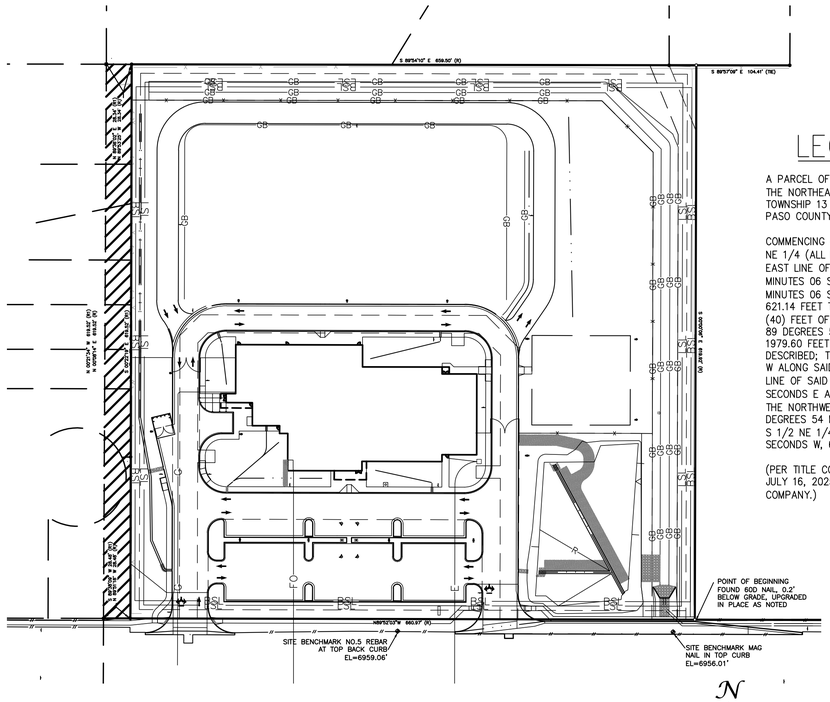
GRADING AND EROSION CONTROL DOCUMENTS FOR HONOR CHARTER SCHOOL

THE NORTHEAST QUARTER OF SECTION 1, TOWNSHIP 13 SOUTH, RANGE 65 WEST, SIXTH PRINCIPAL MERIDIAN
COUNTY OF EL PASO, STATE OF COLORADO



VICINITY MAP

(NOT TO SCALE)



SITE MAP

0 80' 160'

SCALE: 1" = 80'

LEGAL DESCRIPTION

A PARCEL OF LAND BEING A PORTION OF THE SOUTH ONE-HALF OF THE NORTHEAST ONE-QUARTER (S 1/2 NE 1/4) OF SECTION 1, TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE 6TH P.M., SITUATE IN EL PASO COUNTY, COLORADO, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID SECTION 1'S S 1/2 NE 1/4 (ALL BEARINGS IN THIS DESCRIPTION ARE RELATIVE TO THE EAST LINE OF SAID S 1/2 NE 1/4, WHICH BEARS S 00 DEGREES 00 MINUTES 06 SECONDS W ASSUMED'); THENCE S 00 DEGREES 00 MINUTES 06 SECONDS W ALONG SAID S 1/2 NE 1/4'S EAST LINE, 621.14 FEET TO A POINT ON THE NORTH LINE OF THE SOUTH FORTY (40) FEET OF THE NORTH ONE-HALF OF SAID S 1/2 NE 1/4; THENCE N 89 DEGREES 52 MINUTES 03 SECONDS W ALONG SAID NORTH LINE, 1979.60 FEET TO THE POINT OF BEGINNING OF THE PARCEL HEREIN DESCRIBED; THENCE CONTINUE N 89 DEGREES 52 MINUTES 03 SECONDS W ALONG SAID NORTH LINE, 660.97 FEET TO A POINT ON THE WEST LINE OF SAID S 1/2 NE 1/4; THENCE N 00 DEGREES 08 MINUTES 14 SECONDS E ALONG SAID S 1/2 NE 1/4'S WEST LINE, 619.52 FEET TO THE NORTHWEST CORNER OF SAID S 1/2 NE 1/4; THENCE S 89 DEGREES 54 MINUTES 10 SECONDS E ALONG THE NORTH LINE OF SAID S 1/2 NE 1/4, 659.50 FEET; THENCE S 00 DEGREES 00 MINUTES 06 SECONDS W, 619.92 FEET TO THE POINT OF BEGINNING.

(PER TITLE COMMITMENT NCSC001536-ES, WITH AN EFFECTIVE DATE OF JULY 16, 2025 AS PROVIDED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY.)

Sheet List Table

Sheet Number	Sheet Title
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G-1	GEC Cover Sheet
G-2	GEC General Notes
G-3	Initial Erosion Control Plan North
G-4	Initial Erosion Control Plan South
G-5	Interim Erosion Control Plan North
G-6	Interim Erosion Control Plan South
G-7	Final Erosion Control Plan North
G-8	Final Erosion Control Plan South
G-9	Offsite Pedestrian Erosion Control Plan
G-10	Offsite Storm Erosion Control Plan
G-11	ECP Details 1
G-12	ECP Details 2
G-13	ECP Details 3
G-14	ECP Details 4

CONTACT LIST

OWNER – DEVELOPER
HIGHMARK SCHOOL DEVELOPMENT
10808 S. RIVER FRONT PKWY SUITE 3126B
SOUTH JORDAN, UTAH 84095
ATTN: TAMMY SWEERIS
(616) 240-3566

SURVEYOR
TAIT & ASSOCIATES, INC.
320 N LINCOLN AVE
LOVELAND, CO 80537
ATTN: KAT STAMP
(970) 612-5457

LANDSCAPE ARCHITECT
EVERGREEN DESIGN SERVICES
1340 ENVIRON WAY CHAPEL HILL,
NC 27517-4430
ATTN: KENN BATES PLA, FASLA
(970) 461-5799

CONTRACTOR
WALTZ CONSTRUCTION
449 S. 48TH STREET SUITE 105
TEMPE, AZ 85281
ATTN: MALCOLM MULRONEY
(480) 759-9622

CIVIL ENGINEER
TAIT & ASSOCIATES, INC.
320 N LINCOLN AVE
LOVELAND, CO 80537
ATTN: BRIAN CAMPBELL, PE
(970) 613-1447

GEOTECHNICAL ENGINEER
VIVID ENGINEERING GROUP, INC.
1053 ELKTON DRIVE
COLORADO SPRINGS, CO 80907
ATTN: NATHAN A. DOWDEN
(719) 896-4356

MUNICIPALITY
EL PASO COUNTY PLANNING DEPARTMENT
2880 INTERNATIONAL CIRCLE, SUITE 110,
COLORADO SPRINGS, CO 80910
ATT: JEN UHLER
(719) 520-6300

UTILITY PROVIDERS

WATER
WOODMEN HILLS METRO DISTRICT
8046 EASTONVILLE ROAD
FALCON, CO 80831
719-495-2500

SEWER
WOODMEN HILLS METRO DISTRICT
8046 EASTONVILLE ROAD
FALCON, CO 80831
719-495-2500

STORM DRAIN
EL PASO COUNTY DEVELOPMENT DEPARTMENT
2880 INTERNATIONAL CIRCLE, SUITE 110,
COLORADO SPRINGS, CO 80910
719-520-6300

GAS
COLORADO SPRINGS UTILITES (CSU)
7710 DURANT DRIVE, P.O. BOX 1103,
MAIL CODE 2150
COLORADO SPRINGS, CO 80947-2150
719-668-5573

POWER
MOUNTAIN VIEW ELECTRIC
11140 E WOODMEN RD
FALCON, CO 80831
719-495-2283

ENGINEER'S STATEMENT:
THIS GRADING AND EROSION CONTROL PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR GRADING AND EROSION CONTROL PLANS, 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.

_____ _____
ENGINEER OF RECORD SIGNATURE DATE

OWNER'S STATEMENT:
I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN

_____ _____
OWNER SIGNATURE DATE

EL PASO COUNTY:
COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/ OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/ OR ACCURACY OF THIS DOCUMENT.
FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL, AS AMENDED.
IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES, AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTOR'S DISCRETION.

_____ _____
JOSHUA J. PALMER, P.E. DATE
COUNTY ENGINEER/ECM ADMINISTRATOR

PCD FILE NO. PPR2615

PREPARED UNDER THE SUPERVISION OF TAIT & ASSOCIATES, INC.

BRIAN CAMPBELL
COLORADO P.E. #40196

FOR REVIEW ONLY NOT FOR CONSTRUCTION

NO.	DESCRIPTION	REVISIONS	BY	DATE

320 North Lincoln Avenue
Loveland, CO 80537
p: 970.613.1447
www.tait.com

TAIT & ASSOCIATES
ENGINEERING ENVIRONMENTAL BUILDING LAND
Since 1964
Santa Ana Sacramento Denver
San Luis Obispo Riverside Boise
Dallas

GEC COVER SHEET

HONOR CHARTER SCHOOL
HIGHMARK SCHOOL DEVELOPMENT
8250 BENT GRASS MEADOWS DR.

DRAWN: CW
DATE: 11/11/2024
CHECKED:
DATE:
REVISION #:
DATE:
JOB NO: C01517

G-1
OF
14

FOR REVIEW ONLY - NOT FOR CONSTRUCTION

2/6/2024 Internal Review #1

Jun 26, 2026 - 2:20pm by tschneider X:\ENGINEERING\CO\C015170 - Honor Charter School - Peyton, CO\ENG\Construction Drawings\C01517_CS.dwg

THE FOLLOWING STANDARD EL PASO COUNTY GRADING AND EROSION CONTROL PLAN NOTES SHALL BE INCLUDED, AS APPLICABLE:

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 (EPC) STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE (LDC), THE ENGINEERING CRITERIA MANUAL (ECM), THE DRAINAGE CRITERIA MANUAL (DCM) VOLUME 1 AND 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.

A PRECONSTRUCTION MEETING BETWEEN THE PERMIT HOLDER(S) AND EL PASO COUNTY SHALL BE HELD PRIOR TO ANY CONSTRUCTION ACTIVITIES. IT IS THE RESPONSIBILITY OF THE PERMIT HOLDER(S) TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY STAFF. NO LAND DISTURBANCE OR CONSTRUCTION ACTIVITIES BEYOND THE INSTALLATION OF THE INITIAL CONSTRUCTION CONTROL MEASURES (CCMS), AS INDICATED ON THE APPROVED GEC PLAN OR CDS WITH GEC PLANS, MAY OCCUR PRIOR TO RECEIVING A NOTICE TO PROCEED (NTP) ISSUED BY THE ECM ADMINISTRATOR. FAILURE TO OBTAIN A NOTICE TO PROCEED PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES MAY RESULT IN AN IMMEDIATE STOP WORK ORDER (SWO).

CONSTRUCTION CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. STORMWATER RUNOFF FROM ALL DISTURBED AREAS AND SOIL STORAGE AREAS MUST UTILIZE OR FLOW TO ONE OR MORE CCM(S) TO MINIMIZE EROSION OR SEDIMENT IN THE DISCHARGE. THE CCM(S) MUST CONTAIN OR FILTER FLOWS IN ORDER TO PREVENT THE BYPASS OF FLOWS WITHOUT TREATMENT AND MUST BE APPROPRIATE FOR STORMWATER RUNOFF FROM DISTURBED AREAS AND FOR THE EXPECTED FLOW RATE, DURATION, AND FLOW CONDITIONS (E.G., SHEET OR CONCENTRATED FLOW).

ALL CCMS SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL FINAL STABILIZATION IS ACHIEVED. THE QUALIFIED STORMWATER MANAGER (QSM) SHALL ASSESS THE ADEQUACY OF CCMS AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CCMS ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CCMS.

PRIOR TO CONSTRUCTION THE PERMIT HOLDER(S) SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.

MANAGEMENT OF THE STORMWATER MANAGEMENT PLAN (SWMP) DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QSM. THE SWMP SHALL BE LOCATED ON-SITE OR DIGITALLY ACCESSIBLE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES AND MUST BE IMPLEMENTED AS WRITTEN FROM THE START OF CONSTRUCTION ACTIVITY UNTIL FINAL STABILIZATION IS ACHIEVED. THE QSM SHALL AMEND THE SWMP WHEN THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE OF THE SITE WHICH WOULD REQUIRE THE IMPLEMENTATION OF NEW OR REVISED CCMS OR IF THE SWMP PROVES TO BE INEFFECTIVE IN CONTROLLING POLLUTANTS IN STORMWATER RUNOFF ASSOCIATED WITH CONSTRUCTION ACTIVITY OR WHEN CCMS ARE NO LONGER NECESSARY AND ARE REMOVED. THE QSM SHALL MAINTAIN A RECORD OF AMENDMENTS MADE TO THE SWMP THAT INCLUDES THE DATE AND IDENTIFICATION OF THE CHANGES.

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 RECEIVING WATER UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED. IN ADDITION TO MAINTAINING 50 HORIZONTAL FEET OF PRE-EXISTING VEGETATION UPGRADIENT OF A RECEIVING WATER (UNLESS INFEASIBLE AND APPROVED), THE PERMIT HOLDER(S) MUST INSTALL CCMS UPGRADIENT OF THE VEGETATIVE BUFFER.

TEMPORARY STABILIZATION MEASURES SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.

EROSION CONTROL BLANKET (ECB) OR OTHER APPROVED CONTROL MEASURE(S) SHALL BE USED ON SLOPES STEEPER THAN 3:1.

VEHICLE TRACKING CONTROLS (VTC) MUST BE IMPLEMENTED TO MINIMIZE VEHICLE TRACKING OF SEDIMENT FROM DISTURBED AREAS. VTCS MUST INCLUDE A STRUCTURE CONTROL MEASURE (E.G., TRACKING PAD) AND MAY INCLUDE A NON-STRUCTURAL CONTROL MEASURE (E.G., SWEEPING). MATERIAL TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.

ANY TEMPORARY OR PERMANENT CONTROL MEASURE 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.

NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER, PERMANENT CONTROL MEASURES (PCMS), OR DITCHES EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.

ALL PCMS SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT AFFECT THE DESIGN OR FUNCTION OF PCMS MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.

SOIL COMPACTION MUST BE MINIMIZED IN AREAS WHERE INFILTRATION PCMS WILL BE INSTALLED OR IN AREAS WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION PCMS SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF SOIL COMPACTION DOES OCCUR IN AREAS WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER OR IN AREAS WHERE INFILTRATION PCMS WILL BE INSTALLED, DECOMPACTION OF THE SOIL MUST BE COMPLETED PRIOR TO PLANTING OR INSTALLATION OF THE PCM(S). AN INFILTRATION TEST MUST BE CONDUCTED FOR ALL INFILTRATION PCMS AND THE INFILTRATION TEST RESULTS SUBMITTED TO EL PASO COUNTY PRIOR TO PRELIMINARY ACCEPTANCE (PA).

FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND PERMANENT STABILIZATION METHODS ARE COMPLETE. WHEN USING VEGETATIVE COVER AS A PERMANENT STABILIZATION METHOD, THE VEGETATION SHALL BE EVENLY DISTRIBUTED PERENNIAL VEGETATION AND OF THE VARIETY AND SPECIES FOUND IN THE COUNTY-APPROVED SEED MIXES OR IN THE APPROVED GEC PLAN. VEGETATION COVERAGE SHALL BE, AT A MINIMUM, EQUAL TO 70% OF WHAT WOULD HAVE BEEN PROVIDED BY NATIVE VEGETATION IN A LOCAL, UNDISTURBED AREA OR ADEQUATE REFERENCE SITE. ALL TEMPORARY CCMS SHALL BE REMOVED UPON FINAL STABILIZATION AND PRIOR TO STORMWATER PERMIT TERMINATION.

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.

CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO BE DISCHARGED OFFSITE OR TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR CONTROL MEASURES. CONCRETE WASHOUT AREAS 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 CONSTRUCTION DEWATERING OPERATIONS, UNCONTAMINATED GROUNDWATER MAY BE DISCHARGED ON-SITE IN ACCORDANCE WITH THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENTS (CDPHE) LOW RISK DISCHARGE GUIDANCE POLICY FOR DISCHARGES OF UNCONTAMINATED GROUNDWATER TO LAND. IF CONSTRUCTION DEWATERING OPERATIONS ARE UNABLE TO MEET ALL CRITERIA, CONDITIONS, AND CONTROL MEASURE REQUIREMENTS OF THE LOW RISK DISCHARGE GUIDANCE POLICY, A COLORADO DISCHARGE PERMIT SYSTEM (CDPS) GENERAL PERMIT COG080000 WILL BE REQUIRED.

CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTE FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES, OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.

THE PERMIT HOLDER(S) 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

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. APPROPRIATE CMS SHALL BE UTILIZED BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.

BULK STORAGE (I.E., INDIVIDUAL CONTAINERS OF 55 GALLONS OR GREATER) OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT, OR EQUIVALENT 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 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.

ON AREAS OF EXPOSED SOIL, MINIMIZE DUST THROUGH THE APPROPRIATE APPLICATION OF WATER OR OTHER DUST SUPPRESSION TECHNIQUES. WATER APPLICATION MUST BE CONDUCTED IN A MANNER TO PREVENT DISCHARGE OFFSITE UNLESS AUTHORIZED BY A CDPS OR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT.

ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.

FOR SITES WHERE A SOILS REPORT IS REQUIRED, THE APPROVED SOILS REPORT FOR THIS SITE SHALL BE CONSIDERED A PART OF THESE PLANS.

PERMIT HOLDER(S) 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, DRAINAGE CRITERIA MANUAL VOLUME 2, AND ENGINEERING CRITERIA MANUAL. ALL APPLICABLE LOCAL, STATE, AND FEDERAL PERMITS MUST BE OBTAINED PRIOR TO CONSTRUCTION. 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.

AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE OR LESS THAN 1 ACRE AND PART OF A LARGER COMMON PLAN OF DEVELOPMENT OR SALE THAT WOULD DISTURB 1 OR MORE ACRES, THE PERMIT HOLDER(S) SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE (COR400000 PERMIT) TO THE CDPHE WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A SWMP, OF WHICH THIS GEC PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL DIVISION
WQCD -PERMITS
4300 CHERRY CREEK DRIVE SOUTH
DENVER, CO 80246-1530
ATTN: PERMITS UNIT

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. 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:
   a. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
   b. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
   c. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
   d. 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 ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
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 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.
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.
16. EL PASO COUNTY DOES NOT OWN AND IS NOT RESPONSIBLE FOR THE UNDERDRAINS OR GROUNDWATER DISCHARGE SYSTEMS SHOWN ON THESE PLANS AND ASSUMES NO LIABILITY FOR WATER RIGHTS ADMINISTRATION BY APPROVING THESE PLANS. MAINTENANCE AND WATER RIGHTS ARE THE RESPONSIBILITY OF THE DEVELOPER.

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GEC GENERAL NOTES

HONOR CHARTER SCHOOL
HIGHMARK SCHOOL DEVELOPMENT
8250 BENT GRASS MEADOWS DR.

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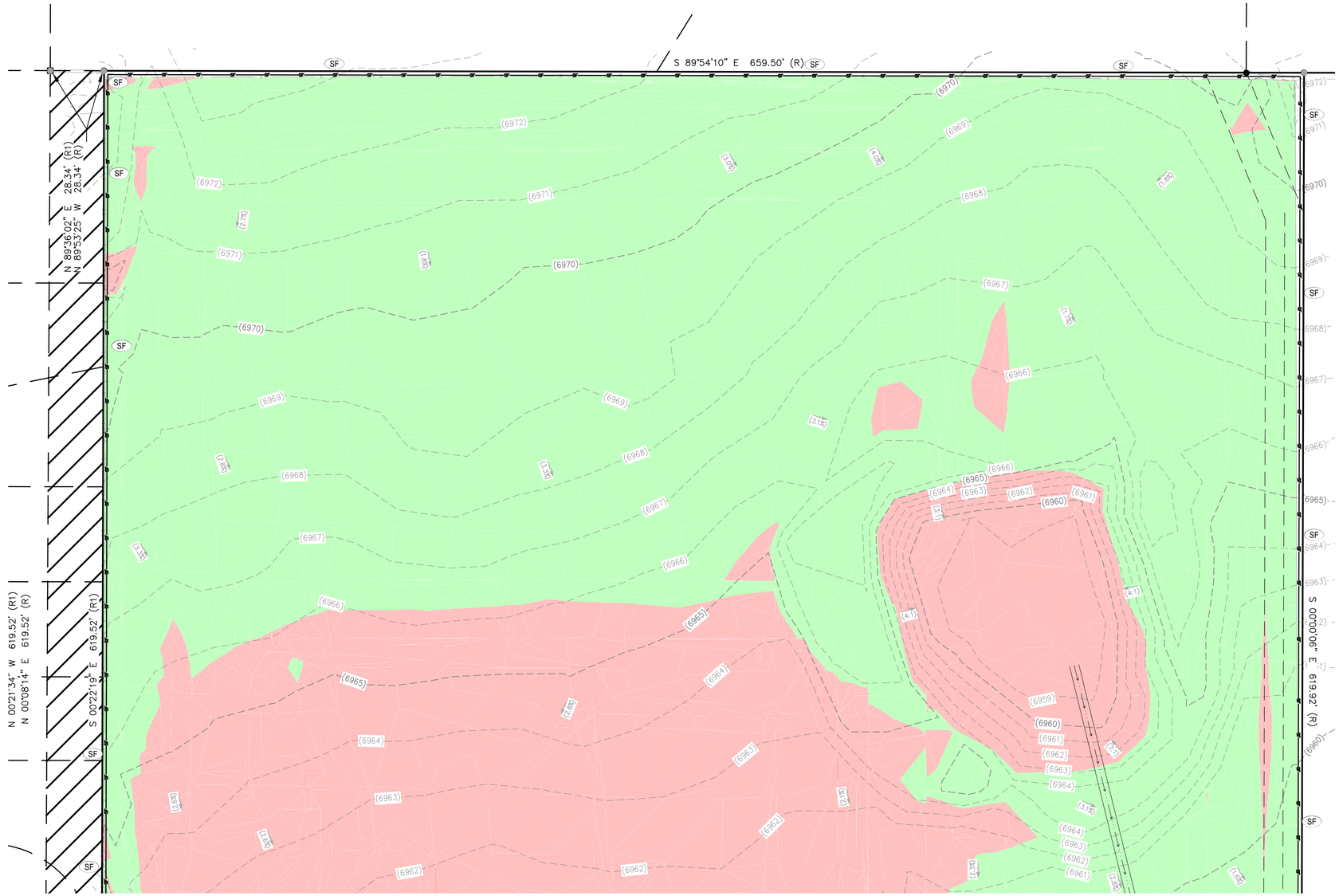
BRIAN CAMPBELL
COLORADO P.E. #40196

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INITIAL EROSION CONTROL PLAN NORTH

SYMBOLS LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY/ ROW LINE
- BUILDING SETBACK LINE
- PROPOSED EASEMENT
- LIMIT OF CONSTRUCTION/DISTURBANCE
- W — EXISTING WATER LINE
- SS — EXISTING SEWER LINE
- T — PROPOSED TELEPHONE SERVICE LINE
- E — PROPOSED ELECTRIC SERVICE LINE
- W — PROPOSED WATER SERVICE LINE
- SS — PROPOSED SS SERVICE LINE
- SD — PROPOSED STORM DRAIN
- R — PROPOSED RIDGELINE
- GB — PROPOSED GRADE BREAK
- PROPOSED CURB
- PROPOSED TOP OF POND
- PROPOSED BOTTOM OF POND
- GRADING DETAIL BOUNDARY
- PROPOSED SS CLEANOUT
- PROPOSED BACKFLOW PREVENTOR
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- PROPOSED STREET LIGHT
- (40.00)ES — EXISTING ELEVATION
- 40.00FS — PROPOSED ELEVATION
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- 2940 — PROPOSED CONTOUR
- (5.2%) — EXISTING SLOPE
- 5.4% — PROPOSED SLOPE
- EXISTING INLET
- PROPOSED INLET
- PROPOSED STORM INFRASTRUCTURE
- D — PROPOSED STORM MANHOLE
- PROPOSED TEE / THRUST BLOCK
- PROPOSED FLARED-END SECTION
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED CUT AREA
- PROPOSED FILL AREA

EROSION CONTROL LEGEND

TITLE	KEY	SYMBOL	PHASE
CONCRETE WASHOUT	CW		INITIAL
PORTABLE TOILET	PT		INITIAL
VEHICLE TRACKING CONTROL	VTC		INITIAL
STABILIZED STAGING AREA	SSA		INITIAL
SILT FENCE	SF		INITIAL
RIPRAP	RR		INITIAL
EROSION CONTROL BLANKET	ECB		INITIAL
EROSION LOG	EL		INITIAL
DIVERSION DITCH	DD		INITIAL
SEDIMENT BASIN	SB		INITIAL

NOTES:

NO NOTABLE VEGETATION EXISTS ON THIS SITE ONLY GRASSES AND WEEDS, THUS NO EXISTING VEGETATION IS NOT SHOWN ON THE PLANS.

PCD FILE NO. PPR2615

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BRIAN CAMPBELL
COLORADO P.E. #40196

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UNAUTHORIZED CHANGES & USES

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BENCHMARK:
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INITIAL EROSION CONTROL PLAN NORTH

HONOR CHARTER SCHOOL
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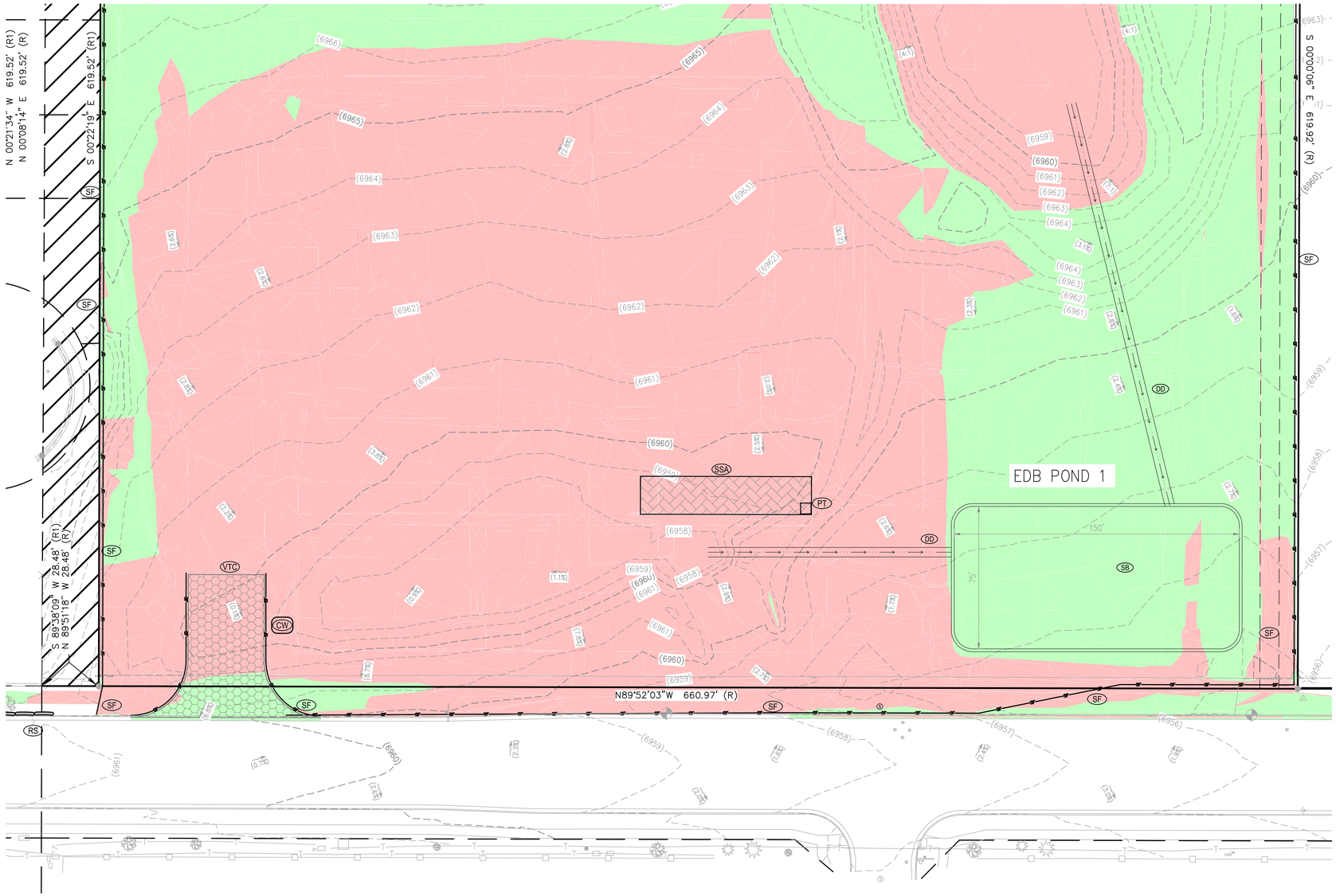
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0 30' 60'

SCALE: 1" = 30'

SYMBOLS LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY/ ROW LINE
- BUILDING SETBACK LINE
- PROPOSED EASEMENT
- LIMIT OF CONSTRUCTION/DISTURBANCE
- EXISTING WATER LINE
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- EXISTING SANITARY SEWER MANHOLE
- PROPOSED CUT AREA
- PROPOSED FILL AREA

INITIAL EROSION CONTROL PLAN SOUTH

NOTES:

SEDIMENT BASIN TO BE BUILT TO THE SPECIFICATIONS SHOWN IN DETAIL SB-1 ON SHEET G-13. BASED ON THE 8 ACRE AREA DRAINING TO THE BASIN, AND THE CRITERIA IN THE PREVIOUSLY MENTIONED DETAILS, THE REQUIRED VOLUME FOR THIS BASIN IS 14,400 CF. USING THE PROVIDED TABLES THE HOLE DIAMETER IS 1 IN WITH THE NUMBER OF PERFORATIONS BEING 2, AS SHOWN IN THE PROVIDED DETAILS.

EROSION CONTROL LEGEND

TITLE	KEY	SYMBOL	PHASE
CONCRETE WASHOUT	CW		INITIAL
PORTABLE TOILET	PT		INITIAL
VEHICLE TRACKING CONTROL	VTC		INITIAL
STABILIZED STAGING AREA	SSA		INITIAL
SILT FENCE	SF		INITIAL
RIPRAP	RR		INITIAL
EROSION CONTROL BLANKET	ECB		INITIAL
EROSION LOG	EL		INITIAL
DIVERSION DITCH	DD		INITIAL
SEDIMENT BASIN	SB		INITIAL

PCD FILE NO. PRR2615

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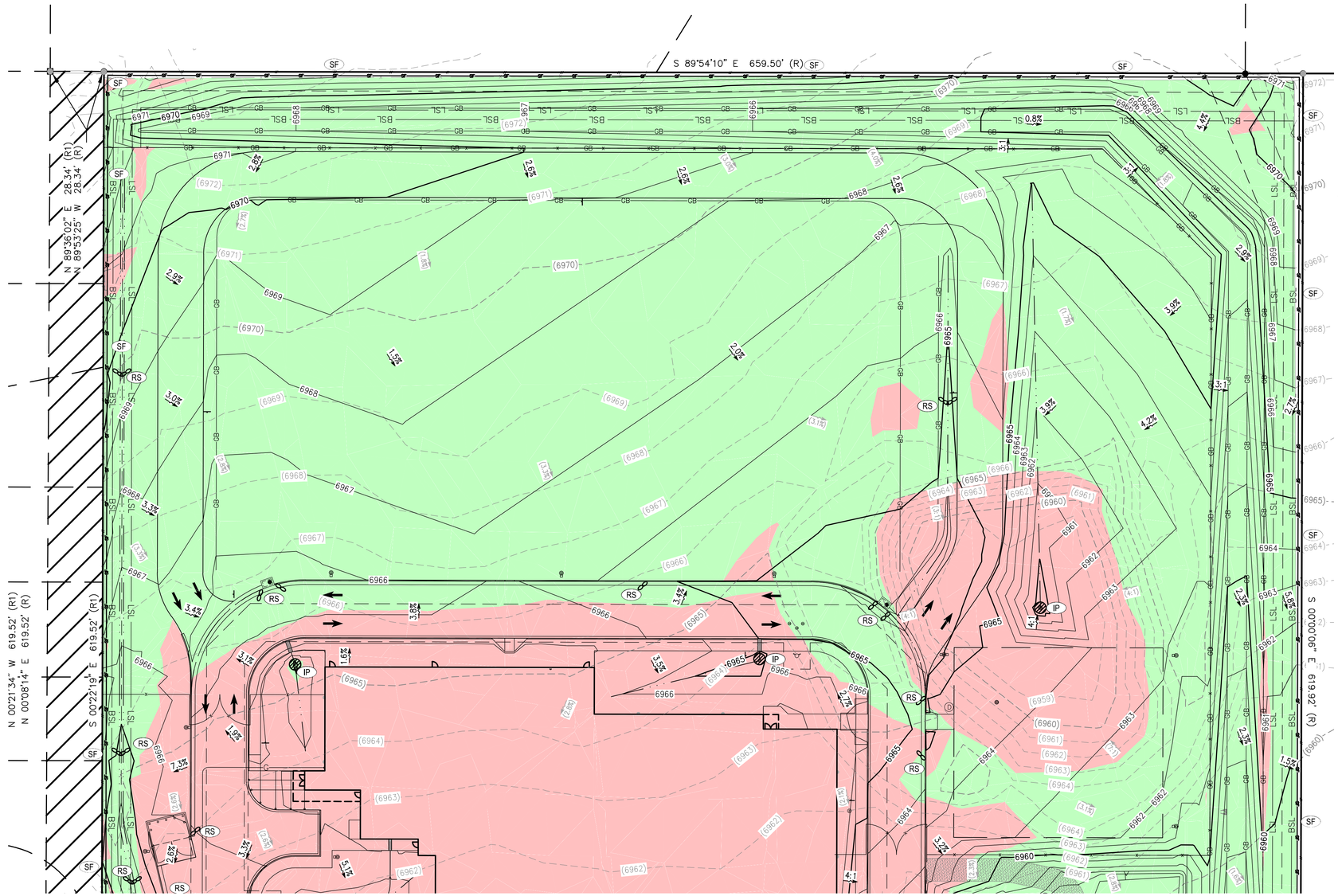
INITIAL EROSION CONTROL PLAN SOUTH

HONOR CHARTER SCHOOL
HIGHMARK SCHOOL DEVELOPMENT
8250 BENT GRASS MEADOWS DR.

DRAWN: CW
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INTERIM EROSION CONTROL PLAN NORTH

N

0 30' 60'

SCALE: 1" = 30'

SYMBOLS LEGEND

- PROPERTY LINE
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EROSION CONTROL LEGEND

TITLE	KEY	SYMBOL	PHASE
CONCRETE WASHOUT	CW		INITIAL
PORTABLE TOILET	PT		INITIAL
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STABILIZED STAGING AREA	SSA		INITIAL
SILT FENCE	SF		INITIAL
RIPRAP	RR		INITIAL
EROSION CONTROL BLANKET	ECB		INITIAL
EROSION LOG	EL		INITIAL
DIVERSION DITCH	DD		INITIAL
SEDIMENT BASIN	SB		INITIAL
DRAIN INLET PROTECTION	IP		INTERIM
ROCK/CURB SOCK	RS		INTERIM

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BRIAN CAMPBELL
COLORADO P.E. #40196

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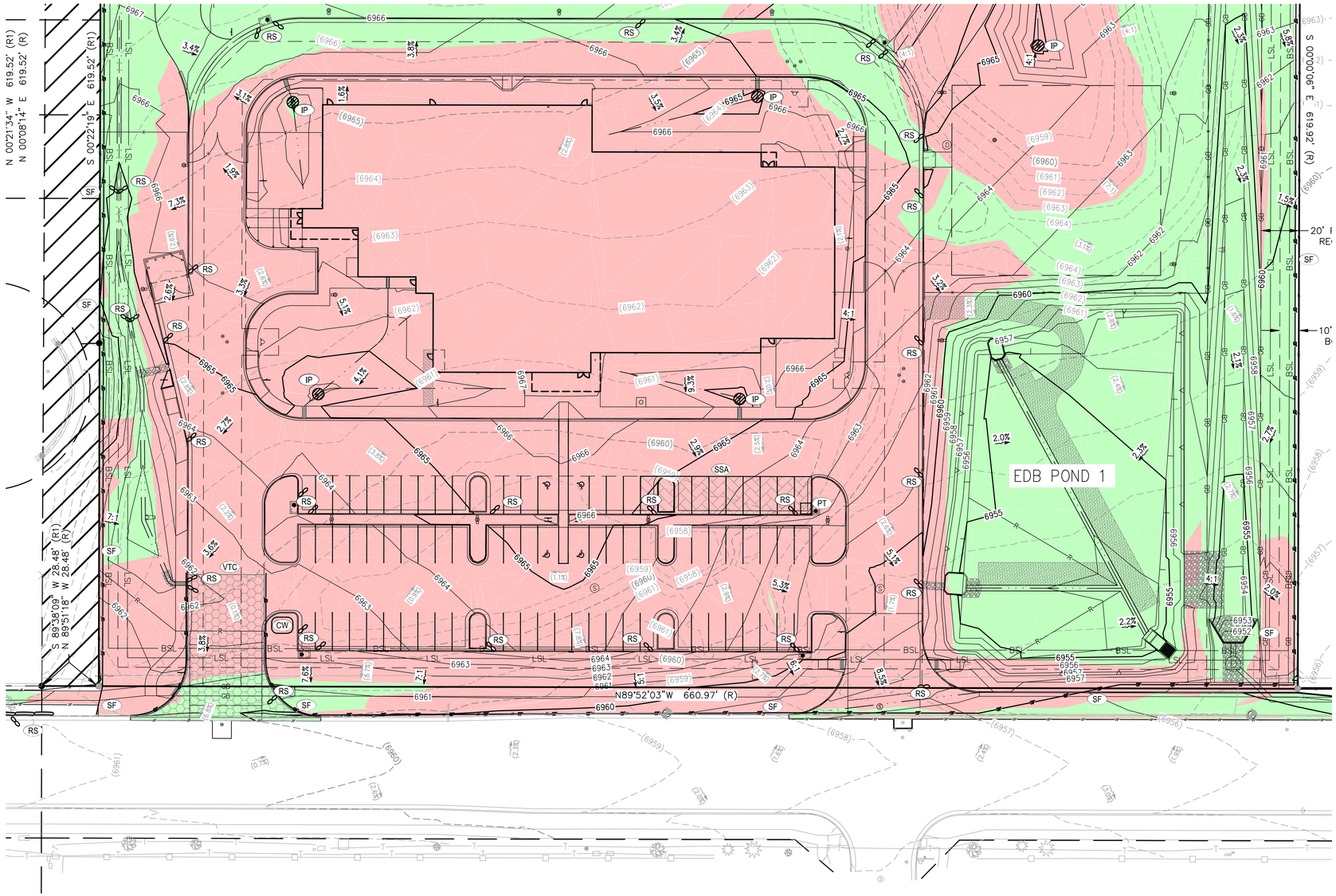
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INTERIM EROSION CONTROL PLAN SOUTH

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INTERIM EROSION CONTROL PLAN SOUTH

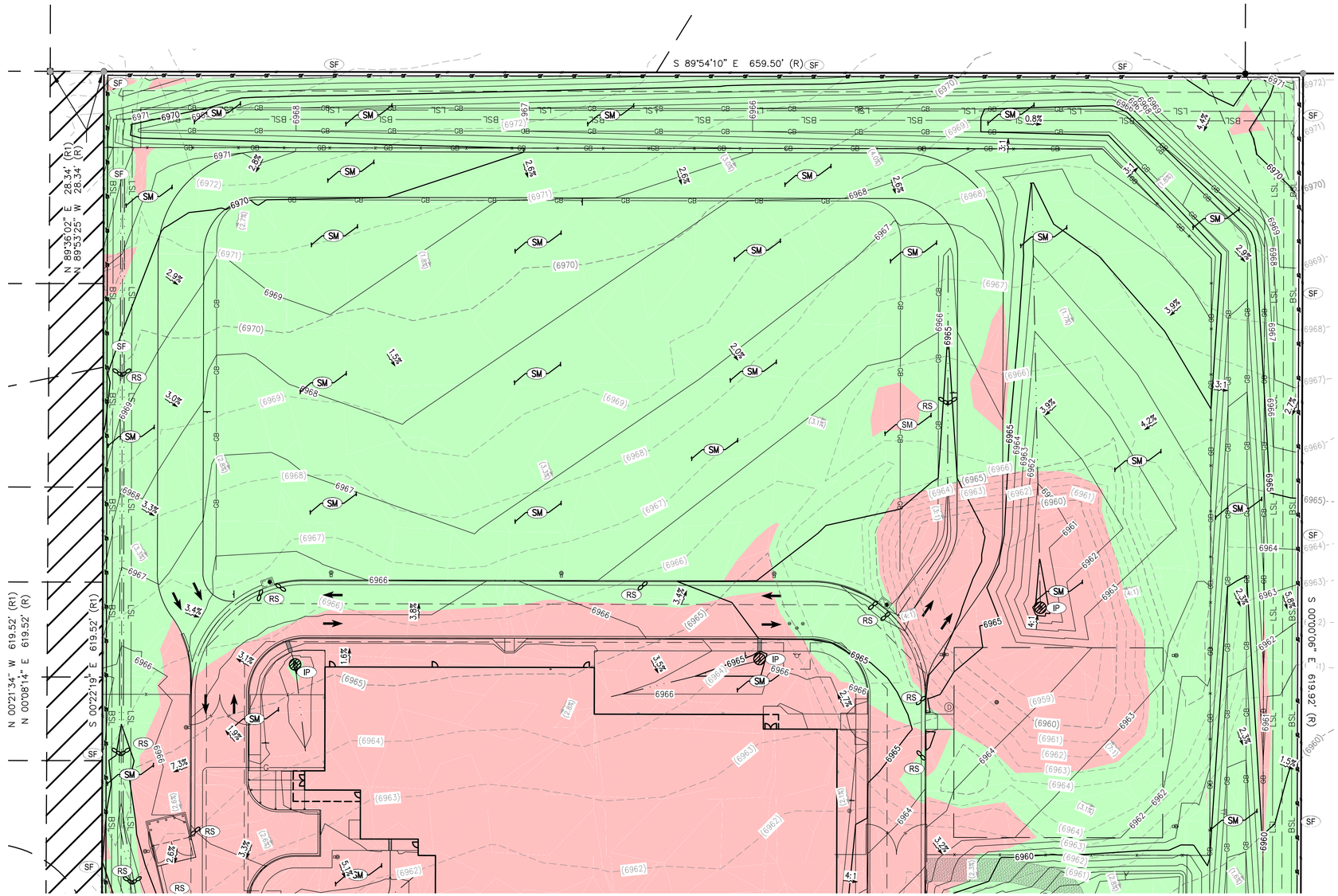
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FINAL EROSION CONTROL PLAN NORTH

N

0 30' 60'

SCALE: 1" = 30'

SYMBOLS LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY/ ROW LINE
- BUILDING SETBACK LINE
- PROPOSED EASEMENT
- LIMIT OF CONSTRUCTION/DISTURBANCE
- W — EXISTING WATER LINE
- SS — EXISTING SEWER LINE
- T — PROPOSED TELEPHONE SERVICE LINE
- E — PROPOSED ELECTRIC SERVICE LINE
- W — PROPOSED WATER SERVICE LINE
- SS — PROPOSED SS SERVICE LINE
- SD — PROPOSED STORM DRAIN
- R — PROPOSED RIDGELINE
- GB — PROPOSED GRADE BREAK
- PROPOSED CURB
- PROPOSED TOP OF POND
- PROPOSED BOTTOM OF POND
- GRADING DETAIL BOUNDARY
- PROPOSED SS CLEANOUT
- PROPOSED BACKFLOW PREVENTOR
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- PROPOSED STREET LIGHT
- (40.00)ES — EXISTING ELEVATION
- 40.00FS — PROPOSED ELEVATION
- (2940) — EXISTING CONTOUR
- 2940 — PROPOSED CONTOUR
- (5.2%) — EXISTING SLOPE
- 5.4% — PROPOSED SLOPE
- EXISTING INLET
- PROPOSED INLET
- PROPOSED STORM INFRASTRUCTURE
- D — PROPOSED STORM MANHOLE
- PROPOSED TEE / THRUST BLOCK
- PROPOSED FLARED-END SECTION
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED CUT AREA
- PROPOSED FILL AREA

EROSION CONTROL LEGEND

TITLE	KEY	SYMBOL	PHASE
CONCRETE WASHOUT	CW		INITIAL
PORTABLE TOILET	PT		INITIAL
VEHICLE TRACKING CONTROL	VTC		INITIAL
STABILIZED STAGING AREA	SSA		INITIAL
SILT FENCE	SF		INITIAL
RIPRAP	RR		INITIAL
EROSION CONTROL BLANKET	ECB		INITIAL
EROSION LOG	EL		INITIAL
DIVERSION DITCH	DD		INITIAL
SEDIMENT BASIN	SB		INITIAL
DRAIN INLET PROTECTION	IP		INTERIM
ROCK/CURB SOCK	RS		INTERIM
SEEDING AND MULCHING	SM	SM	FINAL

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COLORADO P.E. #40196

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FINAL EROSION CONTROL PLAN NORTH

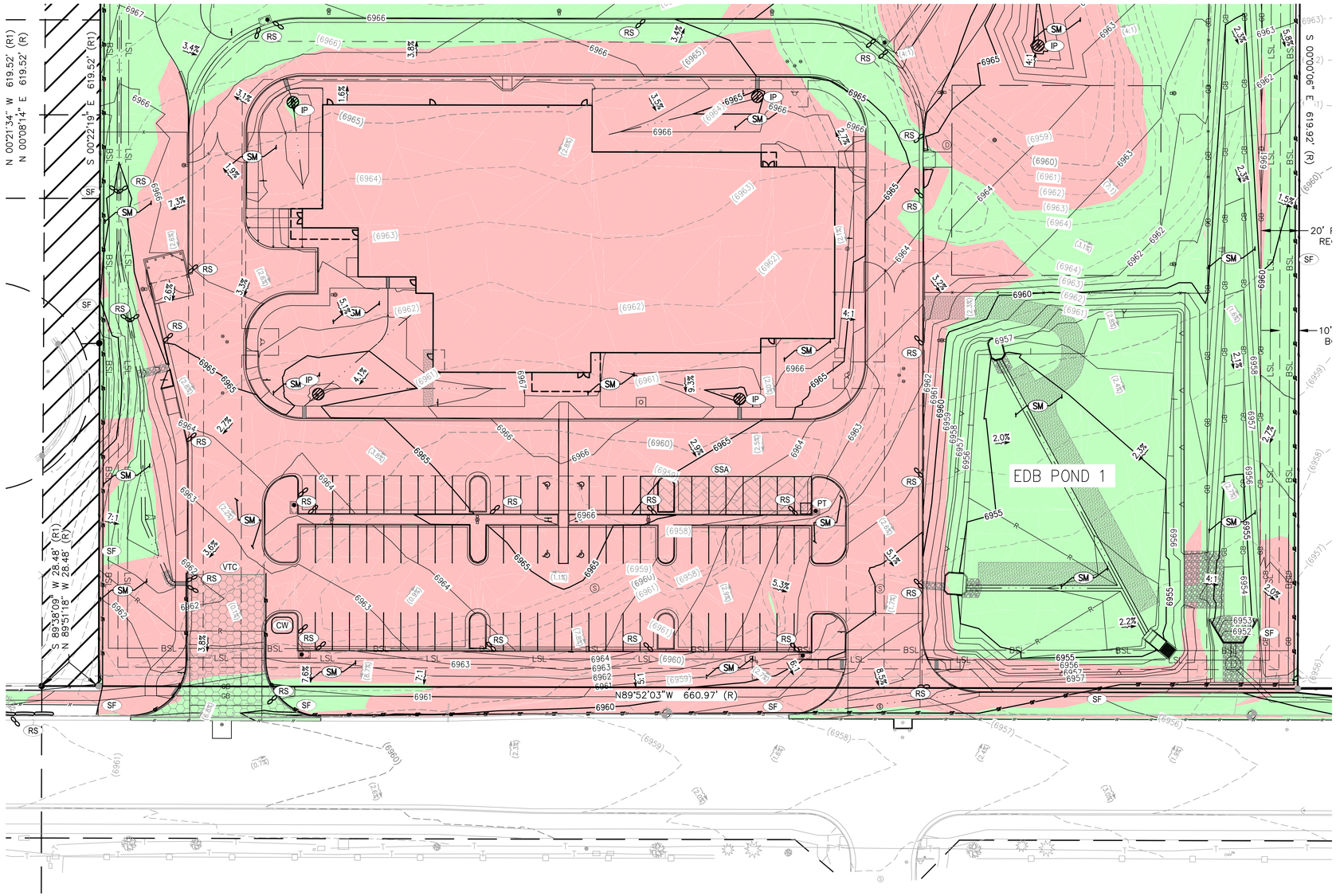
HONOR CHARTER SCHOOL
HIGHMARK SCHOOL DEVELOPMENT
8250 BENT GRASS MEADOWS DR.

DRAWN: CW
DATE: 11/11/2024
CHECKED:
DATE:
REVISION #:
DATE:
JOB NO: CO1517

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FINAL EROSION CONTROL PLAN SOUTH

SYMBOLS LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY/ ROW LINE
- BUILDING SETBACK LINE
- PROPOSED EASEMENT
- LIMIT OF CONSTRUCTION/DISTURBANCE
- EXISTING WATER LINE
- EXISTING SEWER LINE
- PROPOSED TELEPHONE SERVICE LINE
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- EXISTING SANITARY SEWER MANHOLE
- PROPOSED CUT AREA
- PROPOSED FILL AREA

EROSION CONTROL LEGEND

TITLE	KEY	SYMBOL	PHASE
CONCRETE WASHOUT	CW		INITIAL
PORTABLE TOILET	PT		INITIAL
VEHICLE TRACKING CONTROL	VTC		INITIAL
STABILIZED STAGING AREA	SSA		INITIAL
SILT FENCE	SF		INITIAL
RIPRAP	RR		INITIAL
EROSION CONTROL BLANKET	ECB		INITIAL
EROSION LOG	EL		INITIAL
DIVERSION DITCH	DD		INITIAL
SEDIMENT BASIN	SB		INITIAL
DRAIN INLET PROTECTION	IP		INTERIM
ROCK/CURB SOCK	RS		INTERIM
SEEDING AND MULCHING	SWT	SM	FINAL

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FINAL EROSION CONTROL PLAN SOUTH

HONOR CHARTER SCHOOL
HIGHMARK SCHOOL DEVELOPMENT
8250 BENT GRASS MEADOWS DR.

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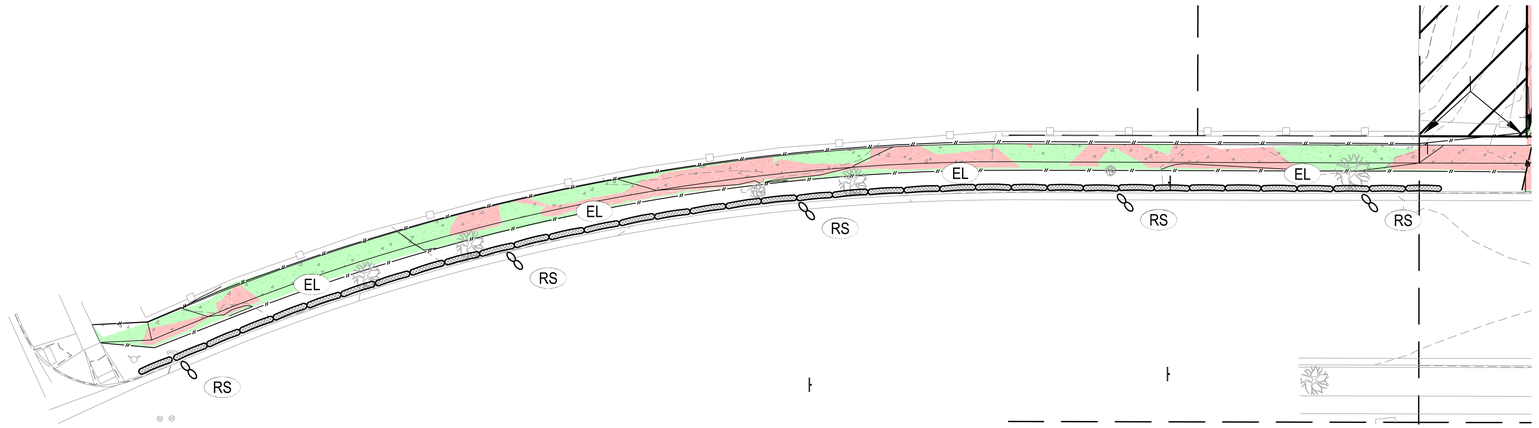
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OFFSITE PEDESTRIAN EROSION CONTROL PLAN

N

0 20' 40'

SCALE: 1" = 20'

SYMBOLS LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY/ ROW LINE
- BUILDING SETBACK LINE
- PROPOSED EASEMENT
- LIMIT OF CONSTRUCTION/DISTURBANCE
- W — EXISTING WATER LINE
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EROSION CONTROL LEGEND

TITLE	KEY	SYMBOL	PHASE
CONCRETE WASHOUT	CW		INITIAL
PORTABLE TOILET	PT		INITIAL
VEHICLE TRACKING CONTROL	VTC		INITIAL
STABILIZED STAGING AREA	SSA		INITIAL
SILT FENCE	SF		INITIAL
RIPRAP	RR		INITIAL
EROSION CONTROL BLANKET	ECB		INITIAL
EROSION LOG	EL		INITIAL
DIVERSION DITCH	DD		INITIAL
SEDIMENT BASIN	SB		INITIAL
DRAIN INLET PROTECTION	IP		INTERIM
ROCK/CURB SOCK	RS		INTERIM
SEEDING AND MULCHING	SM	SM	FINAL

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OFFSITE PEDESTRIAN EROSION CONTROL PLAN

HONOR CHARTER SCHOOL
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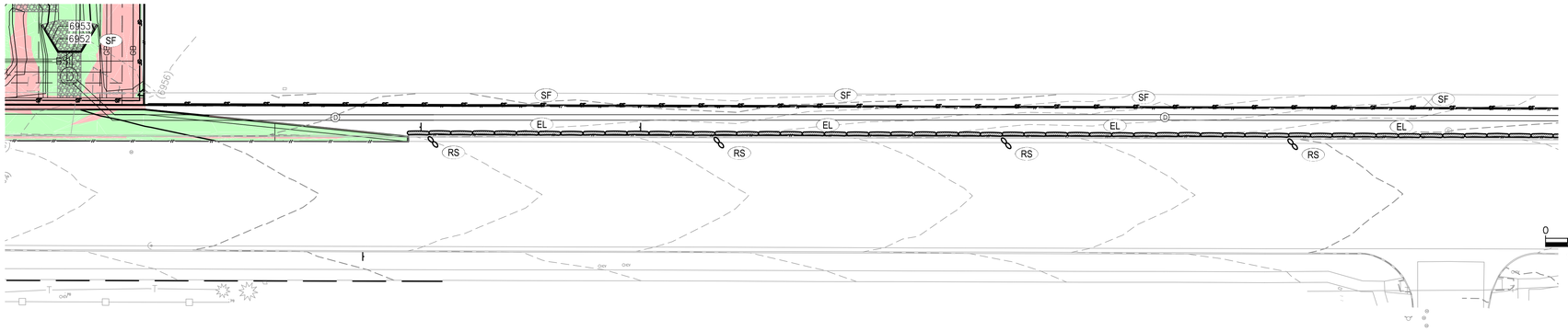
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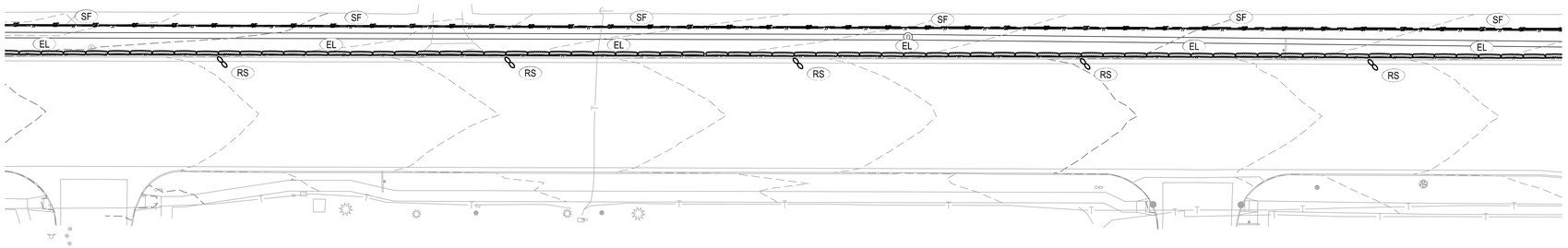
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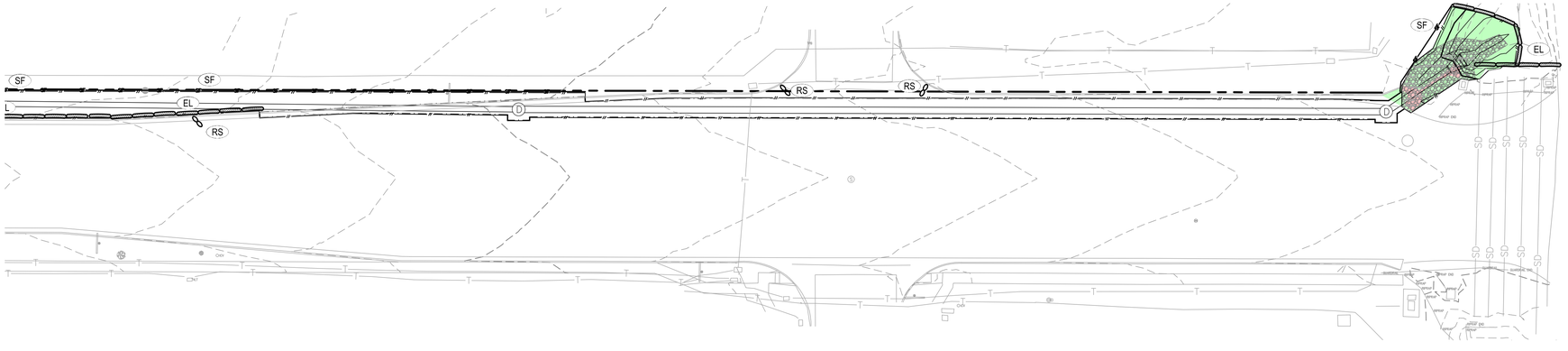
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OFFSITE STORM EROSION CONTROL PLAN 1



OFFSITE STORM EROSION CONTROL PLAN 2



OFFSITE STORM EROSION CONTROL PLAN 3

SYMBOLS LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY/ ROW LINE
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- EXISTING SANITARY SEWER MANHOLE
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EROSION CONTROL LEGEND

TITLE	KEY	SYMBOL	PHAS
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PORTABLE TOILET	PT		INITIA
VEHICLE TRACKING CONTROL	VTC		INITIA
STABILIZED STAGING AREA	SSA		INITIA
SILT FENCE	SF		INITIA
RIPRAP	RR		INITIA
EROSION CONTROL BLANKET	ECB		INITIA
EROSION LOG	EL		INITIA
DIVERSION DITCH	DD		INITIA
SEDIMENT BASIN	SB		INITIA
DRAIN INLET PROTECTION	IP		INTER
ROCK/CURB SOCK	RS		INTER
SEEDING AND MULCHING	SM	SM	FINAL

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OFFSITE STORM EROSION CONTROL PLAN

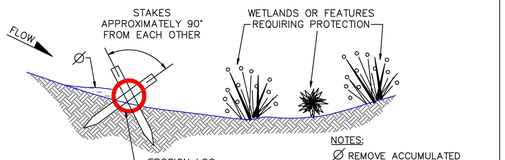
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HIGHMARK SCHOOL DEVELOPMENT
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DATE: 11/11/2024
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REVISION #:
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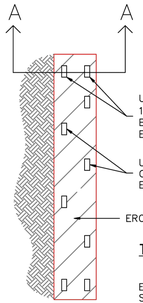
SECTION A–A
EROSION LOG APPLICATION

NOTES:

Ø REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES ONE HALF OF EXPOSED LOG HEIGHT. INSPECTIONS SHALL BE PERFORMED FREQUENTLY FOR PROPER FUNCTION.

EROSION LOGS SHOULD BE KEYED IN TO PREVENT UNDER–CUTTING

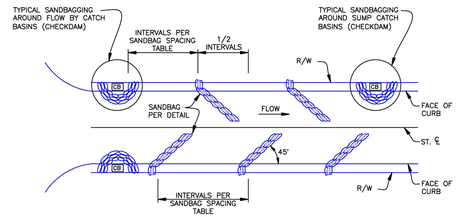
WHEN MORE THAN ONE EROSION LOG IS NEEDED, ENDS MUST BE TIGHTLY ABUTTED.



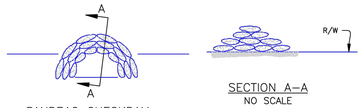
TYPICAL STAKE INSTALLATION

EROSION LOGS CAN ALSO BE USED ACROSS LONG SLOPES TO REDUCE EROSION AND SEDIMENT MOVEMENT

1/1/08 DATE APPROVED: John A. McCarty DEPARTMENT OF TRANSPORTATION	Erosion Log Barrier Standard Drawing REVISION DATE: 7/17/07 FILE NAME: SD_3–87	EL PASO COUNTY DEPARTMENT OF TRANSPORTATION

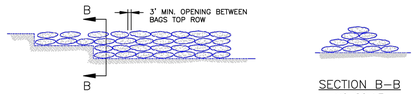


TYPICAL STREET SANDBAGGING DETAIL
NO SCALE



SANDBAG CHECKDAM
NO SCALE

SECTION A–A
NO SCALE

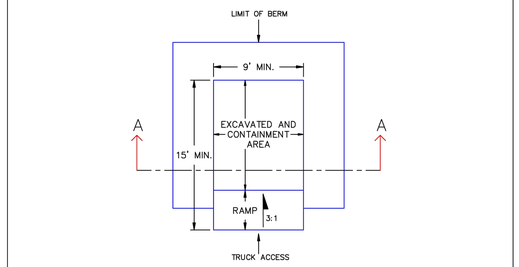


TYPICAL SANDBAG DETAIL
NO SCALE

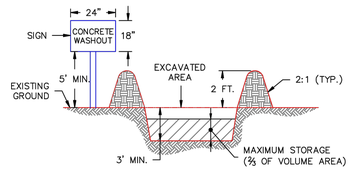
SECTION B–B
NO SCALE

SCALE: NOT TO SCALE

8/11/11 DATE APPROVED: André P. Brackin DEPARTMENT OF TRANSPORTATION	Temporary Street Sandbag Detail and Section Standard Drawing REVISION DATE: 11/10/04 FILE NAME: SD_3–60	EL PASO COUNTY DEPARTMENT OF TRANSPORTATION



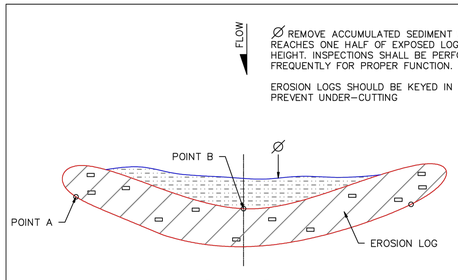
PLAN VIEW



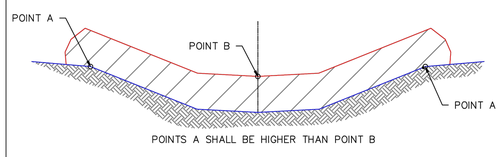
SECTION A–A

NOTES:
1. SIGN MATERIAL, EXCAVATION, AND RESTORATION ARE INCLUDED IN THE COST OF THE CONCRETE WASHOUT STRUCTURE.
2. EROSION BALES MAY BE USED AS AN ALTERNATIVE FOR THE BERM.

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



PLAN VIEW

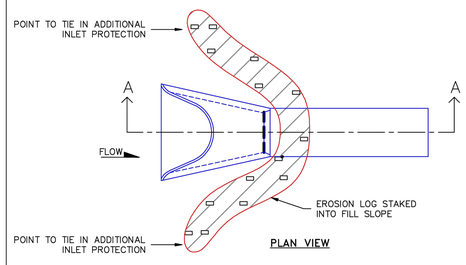


POINTS A SHALL BE HIGHER THAN POINT B

ELEVATION
EROSION LOG DETAIL DITCH INSTALLATION

NOTE: EROSION LOGS SHALL BE TIGHTLY ABUTTED WITH NO GAPS.

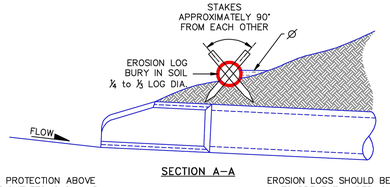
1/1/08 DATE APPROVED: John A. McCarty DEPARTMENT OF TRANSPORTATION	Erosion Log Check Dams Standard Drawing REVISION DATE: 7/17/07 FILE NAME: SD_3–85	EL PASO COUNTY DEPARTMENT OF TRANSPORTATION



PLAN VIEW

NOTE:

Ø REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES ONE HALF OF EXPOSED LOG HEIGHT. INSPECTIONS SHALL BE PERFORMED FREQUENTLY FOR PROPER FUNCTION.



SECTION A–A

EROSION PROTECTION ABOVE CULVERT OUTLETS IS SIMILAR

EROSION LOGS SHOULD BE KEYED IN TO PREVENT UNDER–CUTTING

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

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ECP DETAILS 1

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HIGHMARK SCHOOL DEVELOPMENT
8250 BENT GRASS MEADOWS DR.

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PCD FILE NO. PPR2615

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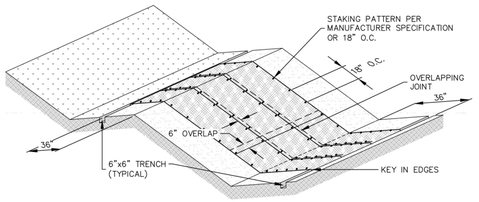
BRIAN CAMPBELL
COLORADO P.E. #40196

DRAWN: CW
DATE: 11/11/2024
CHECKED:
DATE:
REVISION #:
DATE:
JOB NO: CO1517

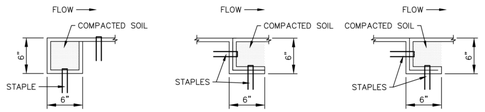
G-11
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2/6/2024 Internal Review #1

Jun 26, 2026 - 2:21pm by tschelder X:\ENGINEERING\CO\CO1517 - Honor Charter School - Peyton, CO\ENG\Construction Drawings\CO1517_DT-GEC.dwg



EROSION CONTROL BLANKET



INSTALLATION NOTES

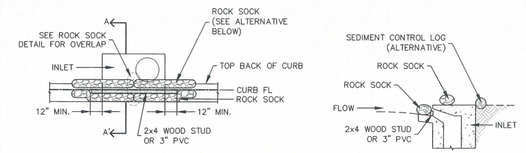
1. 100% NATURAL AND BIODEGRADABLE MATERIALS ARE REQUIRED FOR EROSION CONTROL BLANKETS. TRM PRODUCTS MAY ME USED WHERE APPROPRIATE AS DESIGNATED BY THE ENGINEER.
2. IN AREAS WHERE EROSION CONTROL BLANKETS ARE SHOWN ON THE PLANS, THE PERMITTEE SHALL PLACE TOPSOIL AND PERFORM FINAL GRADING, SURFACE PREPARATION, AND SEEDING AND MULCHING. SUBGRADE SHALL BE SMOOTH AND MOIST PRIOR TO EROSION CONTROL BLANKET INSTALLATION, AND THE EROSION CONTROL BLANKET SHALL BE IN FULL CONTACT WITH THE SUBGRADE. NO GAPS OR VOIDS SHALL EXIST UNDER THE BLANKET.
3. PERIMETER ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERIMETER OF ALL BLANKET AREAS.
4. JOINT ANCHOR TRENCH SHALL BE USED TO JOIN ROLLS OF EROSION CONTROL BLANKETS TOGETHER (LONGITUDINALLY AND TRANSVERSELY) FOR ALL EROSION CONTROL BLANKETS.
5. INTERMEDIATE CHECK SLOT OR STAPLE CHECK SHALL BE INSTALLED EVERY 15' DOWN SLOPES. IN DRAINAGEWAYS, INSTALL CHECK SLOTS EVERY 25' PERPENDICULAR TO FLOW DIRECTION.
6. OVERLAPPING JOINT DETAIL SHALL BE USED TO JOIN ROLLS OF EROSION CONTROL BLANKETS TOGETHER FOR EROSION CONTROL BLANKETS ON SLOPES.
7. MATERIAL SPECIFICATIONS OF EROSION CONTROL BLANKETS SHALL CONFORM TO TABLE ECB-1.
8. ANY AREAS OF SEEDING AND MULCHING DISTURBED IN THE PROCESS OF INSTALLING EROSION CONTROL BLANKETS SHALL BE RESEEDED AND MULCHED.
9. STRAW EROSION CONTROL BLANKETS SHALL NOT BE USED WITHIN STREAMS AND DRAINAGE CHANNELS.
10. COMPACT ALL TRENCHES.

MAINTENANCE NOTES

1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. EROSION CONTROL BLANKETS SHALL BE LEFT IN PLACE TO EVENTUALLY BIODEGRADE. TRM MUST BE REMOVED AT THE DISCRETION OF THE GEC INSPECTOR.
3. ANY EROSION CONTROL BLANKET PULLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REINSTALLED. ANY SUBGRADE AREAS BELOW GEOTEXTILE THAT HAVE ERODED TO CREATE A VOID UNDER THE BLANKET, OR THAT REMAIN DEVOID OF GRASS SHALL BE REPAIRED, RESEEDED AND MULCHED AND THE EROSION CONTROL BLANKET REINSTALLED.

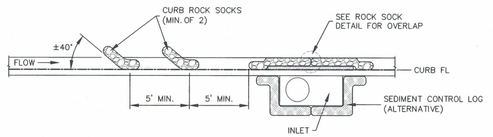
TABLE ECB-1, EROSION CONTROL BLANKET MATERIAL SPECIFICATIONS

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



CURB INLET PROTECTION PLAN

SECTION A-A'



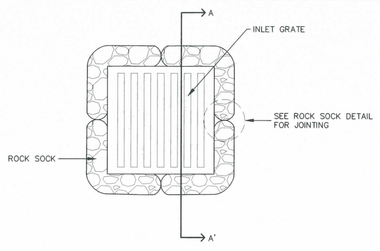
CURB ROCK SOCKS UPSTREAM OF INLET PROTECTION

INSTALLATION NOTES

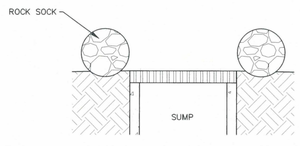
1. SEE ROCK SOCK DETAIL FOR INSTALLATION REQUIREMENTS.
2. PLACEMENT OF THE ROCK SOCK SHALL BE APPROXIMATELY 40 DEGREES FROM THE CURB.
3. ROCK SOCKS ARE TO BE FLUSH WITH THE CURB AND SPACED A MINIMUM OF 5' APART. AT LEAST TWO CURB ROCK SOCKS IN SERIES ARE REQUIRED UPSTREAM OF ON-GRADIENT INLETS.
5. ADDITIONAL ROCK SOCKS MAY BE REQUIRED AT GEC INSPECTOR'S DISCRETION.

MAINTENANCE NOTES

1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. ACCUMULATED SEDIMENT MUST BE REMOVED WHEN THE HEIGHT REACHES ½ OF THE DESIGN DEPTH OF THE INLET BARRIER.
3. ROCK SOCKS MUST REMAIN UNTIL THE UPSTREAM DISTURBANCE AREA IS STABILIZED.
4. PERMANENTLY STABILIZE AREA BEHIND INLET AFTER ROCK SOCKS ARE REMOVED WHEN REMOVAL IS APPROPRIATE.



ROCK SOCK SUMP INLET PROTECTION PLAN



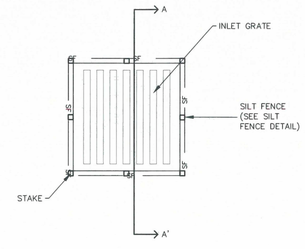
SECTION A-A'

INSTALLATION NOTES

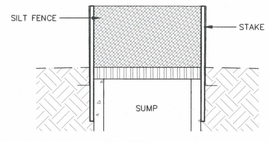
1. SEE ROCK SOCK DETAIL FOR INSTALLATION REQUIREMENTS.
2. SEDIMENT CONTROL LOGS MAY BE USED IN PLACE OF ROCK SOCKS IN PERVIOUS AREAS. INSTALL PER SEDIMENT CONTROL LOG DETAIL
3. CONTROL MEASURES MUST BE WRAPPED AROUND INLET AS TIGHTLY AS POSSIBLE.

MAINTENANCE NOTES

1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. ACCUMULATED SEDIMENT MUST BE REMOVED WHEN THE HEIGHT REACHES ½ OF THE DESIGN DEPTH OF THE INLET BARRIER.
3. ROCK SOCKS MUST REMAIN UNTIL THE UPSTREAM DISTURBANCE AREA IS STABILIZED.
4. PERMANENTLY STABILIZE AREA AROUND INLET AFTER ROCK SOCKS ARE REMOVED WHEN REMOVAL IS APPROPRIATE.



SILT FENCE SUMP INLET PROTECTION PLAN



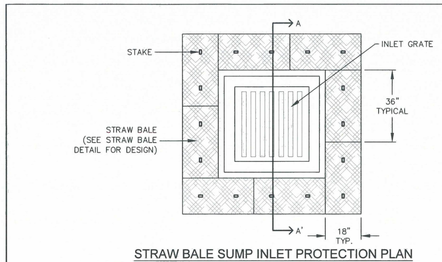
SECTION A-A'

INSTALLATION NOTES

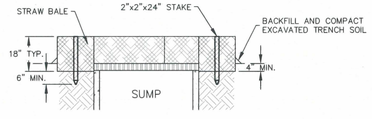
1. SEE SILT FENCE DETAIL FOR INSTALLATION REQUIREMENTS.
2. POSTS SHALL BE PLACED AT EACH CORNER OF THE INLET AND AROUND THE EDGES AT A MAXIMUM SPACING OF THREE FEET.
3. SILT FENCE FABRIC SHOULD HAVE A FLOW RATE IN EXCESS OF 30 GALLONS PER MINUTE PER SQUARE YARD SO AS TO ALLOW SOME WATER FLOW AND NOT DAM THE WATER. STANDARD, LOW-FLOW SILT FENCE FABRIC WILL NOT BE ALLOWED.

MAINTENANCE NOTES

1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. ACCUMULATED SEDIMENT MUST BE REMOVED WHEN THE HEIGHT REACHES ½ OF THE DESIGN DEPTH OF THE INLET BARRIER.
3. SILT FENCE MUST REMAIN UNTIL THE UPSTREAM DISTURBANCE AREA IS STABILIZED.
4. PERMANENTLY STABILIZE AREA AROUND INLET AFTER SILT FENCE IS REMOVED WHEN REMOVAL IS APPROPRIATE.



STRAW BALE SUMP INLET PROTECTION PLAN



SECTION A-A'

INSTALLATION NOTES

1. BALES SHALL BE PLACED IN A SINGLE ROW AROUND THE INLET WITH THE ENDS OF THE BALES TIGHTLY ABUTTING ONE ANOTHER.
2. STRAW BALES SHALL CONSIST OF CERTIFIED WEED FREE STRAW OR HAY. LOCAL JURISDICTIONS MAY REQUIRE PROOF THAT BALES ARE WEED FREE.
3. STRAW BALES SHALL CONSIST OF APPROXIMATELY 5 CUBIC FEET OF STRAW OR HAY AND WEIGH NOT LESS THAN 35 POUNDS.
4. STRAW BALE DIMENSIONS SHALL BE APPROXIMATELY 36"x18"x18".
5. A UNIFORM ANCHOR TRENCH SHALL BE EXCAVATED TO A DEPTH OF 4". STRAW BALES SHALL BE PACED SO THAT THE BINDING TWINE IS ENCOMPASSING THE VERTICAL SIDES OF THE BALE(S).
6. TWO (2) WOODEN STAKES SHALL BE USED TO HOLD EACH BALE IN PLACE. WOODEN STAKED SHALL BE 2"x2"x24 (MIN.)". WOODEN STAKES SHALL BE DRIVEN A MINIMUM OF 6" INTO THE GROUND.

MAINTENANCE NOTES

1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. ACCUMULATED SEDIMENT MUST BE REMOVED WHEN THE HEIGHT REACHES ½ OF THE DESIGN DEPTH OF THE INLET BARRIER.
3. STRAW BALES MUST REMAIN UNTIL THE UPSTREAM DISTURBANCE AREA IS STABILIZED.
4. PERMANENTLY STABILIZE AREA AROUND INLET AFTER STRAW BALES ARE REMOVED WHEN REMOVAL IS APPROPRIATE.
5. STRAW BALES SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED, ROTTEN OR DAMAGED BEYOND REPAIR.

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PCD FILE NO. PRR2615

PREPARED UNDER THE SUPERVISION OF TAIT & ASSOCIATES, INC.

BRIAN CAMPBELL
COLORADO P.E. #40196

DRAWN: CW
DATE: 11/11/2024
CHECKED:
DATE:
REVISION #:
DATE:
JOB NO: C01517

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2/6/2024 Internal Review #1

Jun 26, 2026 - 2:21pm by tschneider X:\ENGINEERING\CO\C01517 - Honor Charter School - Peyton, CO\ENG\Construction Drawings\C01517_DT-GEC.dwg

ECB | STORMWATER ENTERPRISE | EROSION CONTROL BLANKET | APPROVED: SWEMT MANAGER | ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-ECB-1

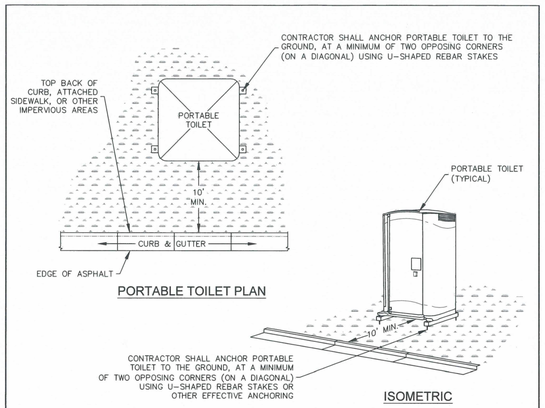
ECB | STORMWATER ENTERPRISE | EROSION CONTROL BLANKET | APPROVED: SWEMT MANAGER | ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-ECB-2

IP-1 | STORMWATER ENTERPRISE | ON-GRADE INLET PROTECTION | APPROVED: SWEMT MANAGER | ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-IP-1

IP-2 | STORMWATER ENTERPRISE | SUMP INLET PROTECTION | APPROVED: SWEMT MANAGER | ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-IP-2

IP-3 | STORMWATER ENTERPRISE | SUMP INLET PROTECTION | APPROVED: SWEMT MANAGER | ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-IP-3

IP-4 | STORMWATER ENTERPRISE | SUMP INLET PROTECTION | APPROVED: SWEMT MANAGER | ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-IP-4



PORTABLE TOILET PLAN

ISOMETRIC

INSTALLATION NOTES

1. PORTABLE TOILETS SHALL BE PLACED A MINIMUM OF 10 FEET BEHIND ALL CURBS, SIDEWALKS, AND OTHER IMPERVIOUS AREAS; 50 FEET FROM STORM INLETS, AND 100 FEET FROM WATERWAYS.
2. PORTABLE TOILETS IN THE RIGHT-OF-WAY ARE REQUIRED TO BE PLACED ON MOBILE TRAILERS AND MUST BE ANCHORED OR WEIGHTED DOWN. PORTABLE TOILETS MAY BE INSTALLED IN ACCORDANCE WITH NOTE #1 IN STAGING AREAS/YARDS.
3. PORTABLE TOILETS SHALL BE SECURELY ANCHORED TO THE GROUND USING U-SHAPED REBAR STAKES, OR OTHER EFFECTIVE ANCHORING.
4. ANCHORING SHALL BE POSITIONED ON AT LEAST TWO OPPOSING (DIAGONAL) CORNERS.
5. TOILET CONTAINMENT PANS MAY BE USED IN PLACE OF A TRAILER AT THE GEC INSPECTOR'S DISCRETION. TOILET CONTAINMENT PANS MUST BE ANCHORED IN PLACE AND MUST NOT BE USED WITHIN THE CITY R.O.W.

MAINTENANCE NOTES

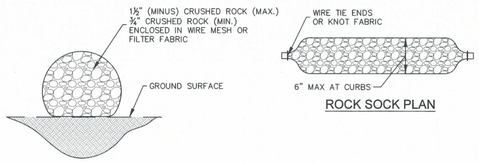
1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. PORTABLE TOILETS SHALL BE SERVICED AT THE NECESSARY INTERVALS TO ELIMINATE THE POSSIBILITY OF OVERFLOW.
3. WHEN THE PORTABLE TOILETS ARE REMOVED, ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE TOILETS MUST BE PERMANENTLY STABILIZED.

PT

PORTABLE TOILET

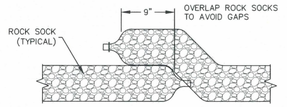
APPROVED: SWENT MANAGER

ISSUED: 2/19/19 | REVISED: 8/19/2020 | DRAWING NO. 900-PTM



ROCK SOCK SECTION

ROCK SOCK PLAN



ROCK SOCK OVERLAP

GRADATION TABLE

	MASS PERCENT PASSING SQUARE MESH SIEVES
	No. 4
2"	100
1½"	90-100
1"	20-55
¾"	0-15
⅜"	0-5

MATCHES SPECIFICATIONS FOR No. 4 COARSE AGGREGATE FOR CONCRETE PER AASHTO M-43. ALL ROCK SHALL BE FRACTURED FACE, ALL SIDES

INSTALLATION NOTES

1. CRUSHED ROCK SHALL BE BETWEEN MAX. 1½" (MINUS) IN SIZE WITH A FRACTURED FACE (ALL SIDES) AND SHALL COMPLY WITH GRADATION SHOWN ON THIS SHEET AND MIN. ¾" CRUSHED ROCK.
2. WIRE MESH SHALL HAVE OPENINGS SMALLER THAN THE SMALLEST SIZE ROCK.
3. WIRE MESH SHALL BE SECURED USING 'HOG RINGS' OR WIRE TIES AT 6" CENTERS ALONG ALL JOINTS AND AT 2" CENTERS ON ENDS OF SOCKS.

MAINTENANCE NOTES

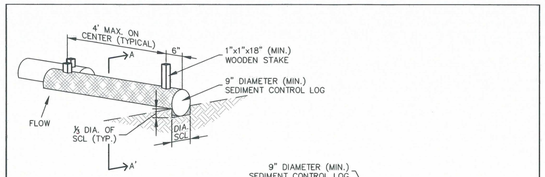
1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED OR DAMAGED BEYOND REPAIR.
3. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN THE DEPTH REACHES ½ OF THE HEIGHT OF THE ROCK SOCK.
4. ROCK SOCKS ARE TO REMAIN IN PLACE UNTIL DISTURBED AREA IS STABILIZED.
5. PERMANENTLY STABILIZE AREA AFTER ROCK SOCKS HAVE BEEN REMOVED.

RS

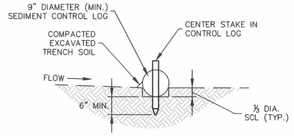
ROCK SOCK

APPROVED: SWENT MANAGER

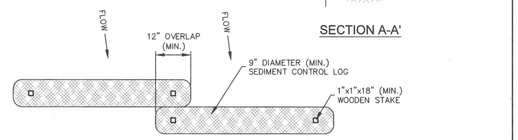
ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-RS



SEDIMENT CONTROL LOG



SECTION A-A'



SEDIMENT CONTROL LOG JOINTS

INSTALLATION NOTES

1. ALL SEDIMENT CONTROL LOGS MUST BE EMBEDDED TO ⅓ OF THE HEIGHT OF THE LOG.
2. LARGER DIAMETER SEDIMENT CONTROL LOGS NEED TO BE EMBEDDED DEEPER.
3. PLACE SEDIMENT CONTROL LOG AGAINST SIDEWALK OR BACK OF CURB WHEN ADJACENT TO THESE FEATURES.
4. SEDIMENT CONTROL LOGS SHALL CONSIST OF STRAW, COMPOST, EXCELSIOR OR COCONUT FIBER, AND SHALL BR FREE FROM ANY NOXIOUS WEED SEEDS OF DEFECTS INCLUDING RIPS, HOLES AND OBVIOUS WEAR.
5. IF USING AS SLOPE PROTECTION, INSTALL SEDIMENT CONTROL LOGS ALONG THE CONTOUR.

MAINTENANCE NOTES

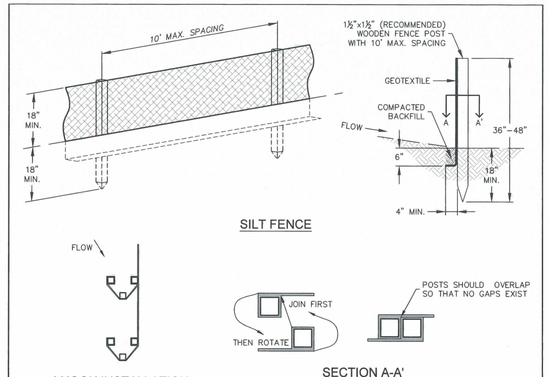
1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. ACCUMULATED SEDIMENT MUST BE REMOVED WHEN THE HEIGHT REACHES ½ OF THE HEIGHT OF THE SEDIMENT CONTROL LOG.
3. PERMANENTLY STABILIZE AREA AFTER SEDIMENT CONTROL LOGS HAVE BEEN REMOVED.

SCL

SEDIMENT CONTROL LOGS

APPROVED: SWENT MANAGER

ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-SCL



SILT FENCE

J-HOOK INSTALLATION

SECTION A-A'

INSTALLATION NOTES

1. SILT FENCE MUST BE PLACED ON A FLAT SURFACE 2'-5' AWAY FROM TOE OF THE SLOPE TO ALLOW FOR PONDING AND DEPOSITION.
2. COMPACT THE TRENCH USING A JUMPING JACK OR WHEEL ROLLING TO THE POINT THAT THE FENCE RESISTS BEING PULLED OUT OF THE GROUND BY HAND.
3. SILT FENCE SHALL BE TAUT WITH NO SAGS AFTER IT HAS BEEN ANCHORED.
4. FABRIC SHALL BE ATTACHED TO POSTS WITH 1" HEAVY DUTY STAPLES OR 1" NAILS. THESE SHOULD BE PLACED VERTICALLY DOWN THE POST, 3" APART.
5. THE PREFERRED INSTALLATION METHOD USES A TRENCHER OR SILT FENCE INSTALLATION DEVICE.
6. INSTALL SILT FENCE ALONG THE CONTOUR OF THE SLOPES OR IN A MANNER TO AVOID CREATING CONCENTRATED FLOW (SUCH AS A "J-HOOK" INSTALLATION).

MAINTENANCE NOTES

1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. ACCUMULATED SEDIMENT MUST BE REMOVED WHEN THE HEIGHT REACHES ½ OF THE DESIGN HEIGHT OF THE SILT FENCE.
3. SILT FENCE MUST REMAIN UNTIL THE UPSTREAM DISTURBANCE AREA IS STABILIZED.
4. PERMANENTLY STABILIZE AREA AFTER SILT FENCE IS REMOVED.

SF

SILT FENCE

APPROVED: SWENT MANAGER

ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-SF

SEEDING & MULCHING

ALL SOIL TESTING, SOILS AMENDMENT AND FERTILIZER DOCUMENTATION, AND SEED LOAD AND BAG TICKETS MUST BE ADDED TO THE CSWMP.

SOIL PREPARATION

1. IN AREAS TO BE SEEDED, THE UPPER 6 INCHES OF THE SOIL MUST NOT BE HEAVILY COMPACTED, AND SHOULD BE IN FRIABLE CONDITION. LESS THAN 85% STANDARD PROCTOR DENSITY IS ACCEPTABLE. AREAS OF COMPACTION OR GENERAL CONSTRUCTION ACTIVITY MUST BE SCARIFIED TO A DEPTH OF 6 TO 12 INCHES PRIOR TO SPREADING TOPSOIL TO BREAK UP COMPACTED LAYERS AND PROVIDE A BLENDING ZONE BETWEEN DIFFERENT SOIL LAYERS.
2. AREAS TO BE PLANTED SHALL HAVE AT LEAST 4 INCHES OF TOPSOIL SUITABLE TO SUPPORT PLANT GROWTH.
3. THE CITY RECOMMENDS THAT EXISTING AND/OR IMPORTED TOPSOIL BE TESTED TO IDENTIFY SOIL DEFICIENCIES AND ANY SOIL AMENDMENTS NECESSARY TO ADDRESS THESE DEFICIENCIES. SOIL AMENDMENTS AND/OR FERTILIZERS SHOULD BE ADDED TO CORRECT TOPSOIL DEFICIENCIES BASED ON SOIL TESTING RESULTS.
4. TOPSOIL SHALL BE PROTECTED DURING THE CONSTRUCTION PERIOD TO RETAIN ITS STRUCTURE AVOID COMPACTION, AND TO PREVENT EROSION AND CONTAMINATION. STRIPPED TOPSOIL MUST BE STORED IN AN AREA AWAY FROM MACHINERY AND CONSTRUCTION OPERATIONS, AND CARE MUST BE TAKEN TO PROTECT THE TOPSOIL AS A VALUABLE COMMODITY. TOPSOIL MUST NOT BE STRIPPED DURING UNDESIRABLE WORKING CONDITIONS (E.G. DURING WET WEATHER OR WHEN SOILS ARE SATURATED). TOPSOIL SHALL NOT BE STORED IN SWALES OR IN AREAS WITH POOR DRAINAGE.

SEEDING

1. ALLOWABLE SEED MIXES ARE INCLUDED IN THE CITY OF COLORADO SPRINGS STORMWATER CONSTRUCTION MANUAL. ALTERNATIVE SEED MIXES ARE ACCEPTABLE IF INCLUDED IN AN APPROVED LANDSCAPING PLAN.
2. SEED SHOULD BE DRILL-SEEDED WHENEVER POSSIBLE
   - SEED DEPTH MUST BE ¼ TO ½ INCHES WHEN DRILL-SEEDING IS USED
3. BROADCAST SEEDING OR HYDRO-SEEDING WITH TACKIFIER MAY BE SUBSTITUTED ON SLOPES STEEPER THAN 3:1 OR ON OTHER AREAS NOT PRACTICAL TO DRILL SEED
   - SEEDING RATES MUST BE DOUBLED FOR BROADCAST SEEDING OR INCREASED BY 50% IF USING A BRILLION DRILL OR HYDRO-SEEDING
   - BROADCAST SEEDING MUST BE LIGHTLY HAND-RAKED INTO THE SOIL

MULCHING

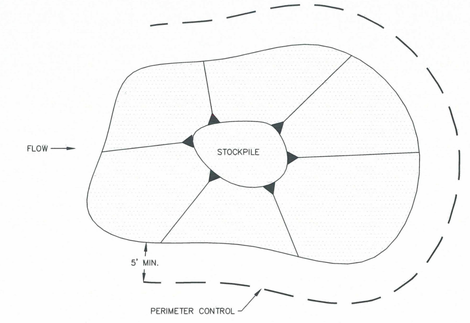
1. MULCHING SHOULD BE COMPLETED AS SOON AS PRACTICABLE AFTER SEEDING, HOWEVER PLANTED AREAS MUST BE MULCHED NO LATER THAN 14 DAYS AFTER PLANTING.
2. MULCHING REQUIREMENTS INCLUDE:
   - HAY OR STRAW MULCH
     - ONLY CERTIFIED WEED-FREE AND CERTIFIED SEED-FREE MULCH MAY BE USED. MULCH MUST BE APPLIED AT 2 TONS/ACRE AND ADEQUATELY SECURED BY CRIMPING AND/OR TACKIFIER.
     - CRIMPING MUST NOT BE USED ON SLOPES GREATER THAN 3:1 AND MULCH FIBERS MUST BE TUCKED INTO THE SOIL TO A DEPTH OF 3 TO 4 INCHES.
     - TACKIFIER MUST BE USED IN PLACE OF CRIMPING ON SLOPES STEEPER THAN 3:1.
   - HYDRAULIC MULCHING
     - HYDRAULIC MULCHING IS AN OPTION ON STEEP SLOPES OR WHERE ACCESS IS LIMITED.
     - IF HYDRO-SEEDING IS USED, MULCHING MUST BE APPLIED AS A SEPARATE, SECOND OPERATION.
     - WOOD CELLULOSE FIBERS MIXED WITH WATER MUST BE APPLIED AT A RATE OF 2,000 TO 2,500 POUNDS/ACRE, AND TACKIFIER MUST BE APPLIED AT A RATE OF 100 POUNDS/ACRE.
   - EROSION CONTROL BLANKET
     - EROSION CONTROL BLANKET MAY BE USED IN PLACE OF TRADITIONAL MULCHING METHODS.

SM

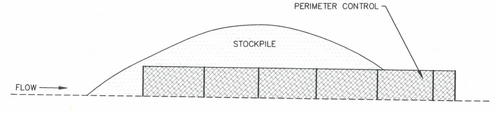
SEEDING & MULCHING

APPROVED: SWENT MANAGER

ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-SM



STOCKPILE PROTECTION PLAN



STOCKPILE PROTECTION ELEVATION

INSTALLATION NOTES

1. INSTALL PERIMETER CONTROL AROUND STOCKPILE ON DOWNGRADIENT SIDE. PERIMETER CONTROL MUST BE SUITABLE TO SITE CONDITIONS AND INSTALLED ACCORDING TO THE RELEVANT DETAIL.
2. FOR STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNGRADIENT CONTROLS INCLUDING PERIMETER CONTROL ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.

MAINTENANCE NOTES

1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. IF PERIMETER CONTROLS MUST BE MOVED TO ACCESS STOCKPILE, REPLACE PERIMETER CONTROLS BY THE END OF THE WORK DAY.
3. ACCUMULATED SEDIMENT MUST BE REMOVED ACCORDING TO PERIMETER CONTROL DETAIL.

SP

STOCKPILE PROTECTION

APPROVED: SWENT MANAGER

ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-SP

TAIT & ASSOCIATES
ENGINEERING ENVIRONMENTAL BUILDING LAND
Since 1964
Santa Ana Sacramento Denver
San Luis Obispo Riverside Boise
Dallas
320 North Lincoln Avenue
Loveland, CO 80537
p: 970.613.1447
www.tait.com

NO.	DESCRIPTION	REVISIONS	BY	DATE

FOR REVIEW ONLY - NOT FOR CONSTRUCTION

ECP DETAILS 3

HONOR CHARTER SCHOOL
HIGHMARK SCHOOL DEVELOPMENT
8250 BENT GRASS MEADOWS DR.

FOR REVIEW ONLY NOT FOR CONSTRUCTION

PCD FILE NO. PPR2615

PREPARED UNDER THE SUPERVISION OF TAIT & ASSOCIATES, INC.

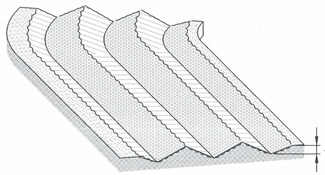
BRIAN CAMPBELL
COLORADO P.E. #40196

DRAWN: CW
DATE: 11/11/2024
CHECKED:
DATE:
REVISION #:
DATE:
JOB NO: C01517

G-13
OF
14

Jun 26, 2026 - 2:22pm by tschneider X:\ENGINEERING\C01517 - Honor Charter School - Peyton, CO\ENG\Construction Drawings\C01517_DT-GEC.dwg

2/6/2024 Internal Review #1



SURFACE ROUGHENING

INSTALLATION NOTES

1. SURFACE ROUGHENING MAY BE USED IN AREAS FLATTER THAN 3:1. INSTALL FURROWS ALONG CONTOUR TO INTERCEPT SHEET FLOW.
2. SURFACE ROUGHENING MAY BE ACCOMPLISHED BY FURROWING, SCARIFYING, RIPPING OR DISKING THE SOIL.
3. FURROWS MUST BE A MINIMUM OF 4" IN DEPTH.
4. SURFACE ROUGHENING SHALL NOT BE USED ON EXTREMELY SANDY OR ROCKY SOILS.

MAINTENANCE NOTES

1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. VEHICLES AND EQUIPMENT SHALL NOT BE DRIVEN OVER AREAS THAT HAVE BEEN SURFACE ROUGHENED.

SR

STORMWATER ENTERPRISE

SURFACE ROUGHENING

APPROVED: SWENT MANAGER

ISSUED:	REVISED:	DRAWING NO.
10/7/19	8/19/2020	900-SR

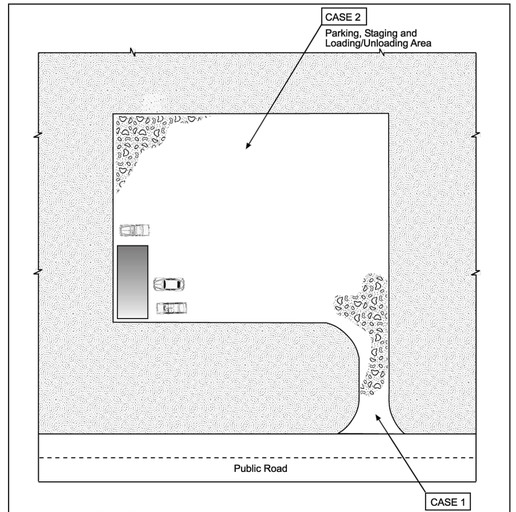


Table VT-1

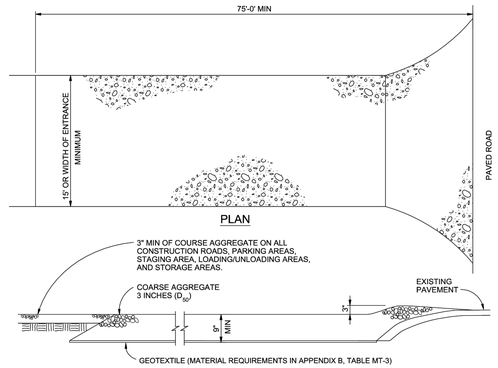
	Case 1	Case 2
Gravel Thickness	9"	3"
Filter Fabric	YES	NO

City of Colorado Springs
Storm Water Quality

Figure VT-1
Vehicle Tracking
Application Examples

DEN/M\153722.CS.CB/FigVT-1/9-99

3-53



VEHICLE TRACKING

NTS

VEHICLE TRACKING NOTES

INSTALLATION REQUIREMENTS

1. ALL ENTRANCES TO THE CONSTRUCTION SITE ARE TO BE STABILIZED PRIOR TO CONSTRUCTION BEGINNING.

2. CONSTRUCTION ENTRANCES ARE TO BE BUILT WITH AN APRON TO ALLOW FOR TURNING TRAFFIC, BUT SHOULD NOT BE BUILT OVER EXISTING PAVEMENT EXCEPT FOR A SLIGHT OVERLAP.

3. AREAS TO BE STABILIZED ARE TO BE PROPERLY GRADED AND COMPACTED PRIOR TO LAYING DOWN GEOTEXTILE AND STONE.

4. CONSTRUCTION ROADS, PARKING AREAS, LOADING/UNLOADING ZONES, STORAGE AREAS, AND STAGING AREAS ARE TO BE STABILIZED.

5. CONSTRUCTION ROADS ARE TO BE BUILT TO CONFORM TO SITE GRADES, BUT SHOULD NOT HAVE SIDE SLOPES OR ROAD GRADES THAT ARE EXCESSIVELY STEEP.

MAINTENANCE REQUIREMENTS

1. REGULAR INSPECTIONS ARE TO BE MADE OF ALL STABILIZED AREAS, ESPECIALLY AFTER STORM EVENTS.

2. STONES ARE TO BE REAPPLIED PERIODICALLY AND WHEN REPAIR IS NECESSARY.

3. SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED DAILY BY SHOVELING OR SWEEPING. SEDIMENT IS NOT TO BE WASHED DOWN STORM SEWER DRAINS.

4. STORM SEWER INLET PROTECTION IS TO BE IN PLACE, INSPECTED, AND CLEANED IF NECESSARY.

5. OTHER ASSOCIATED SEDIMENT CONTROL MEASURES ARE TO BE INSPECTED TO ENSURE GOOD WORKING CONDITION.

City of Colorado Springs
Stormwater Quality

Figure VT-2
Vehicle Tracking
Application Examples

3-54

NO.	DESCRIPTION	REVISIONS	BY	DATE

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320 North Lincoln Avenue
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p: 970.613.1447
www.tait.com

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ECP DETAILS 4

HONOR CHARTER SCHOOL
HIGHMARK SCHOOL DEVELOPMENT
8250 BENT GRASS MEADOWS DR.

DRAWN: CW
DATE: 11/11/2024
CHECKED:
DATE:
REVISION #:
DATE:
JOB NO: CO1517

PCD FILE NO. PPR2615

PREPARED UNDER THE SUPERVISION OF TAIT & ASSOCIATES, INC.

BRIAN CAMPBELL
COLORADO P.E. #40196

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Jun 26, 2026 - 2:22pm by tschneider X:\ENGINEERING\CO\CO1570 - Honor Charter School - Peyton, CO\ENG\Construction Drawings\CO1517_DT-GEC.dwg

2/6/2024 Internal Review #1

Appendix E
ESQCP Form

2880 International Circle, Suite 110
Colorado Springs, CO 80910
Phone: 719-520-6300
Email: Stormwater@elpasoco.com
publicworks.elpasoco.com/stormwater/

Stormwater Permit Number: ESQ_____

EL PASO COUNTY
STORMWATER PERMIT FORM
Erosion and Stormwater Quality Control Permit (ESQCP)

EPC Project Number: PPR 2615

There are multiple Stormwater Permits. Please refer to Engineering Criteria Manual (ECM) Appendix I to determine which permit is applicable to your project.

This form initially acts as the permit application. Only once this form has been signed & approved, all other required documents have been submitted & approved, and the Notice to Proceed has been issued, does this form become an active permit.

Part I. Property Owner or Authorized Representative (Co-Permit Holder)	
Company/Organization	Honor Charter School Building Corporation
Name or Name of Representative	Tammy Sweeris
Title	Agent
Physical Address (not PO Box)	
Street Number and Street Name	9200 E. Mineral Ave STE 100
City, State, Zip Code	Centennial, Colorado 80112
Mailing Address (if differs from above)	
Street Number and Street Name	
City, State, Zip Code	
Phone Number - Office	480.466.2080
Phone Number - Cell	616.240.3566
Email Address	tammy@highmarkschools.com

Part II. Contractor/Operator (Co-Permit Holder)*	
Company/Organization	Waltz Construction
Name or Name of Representative	Malcolm Mulroney
Title	
Physical Address (not PO Box)	
Street Number and Street Name	449 S. 48th Street Suite 105
City, State, Zip Code	Tempe, AZ 85281
Mailing Address (if differs from above)	
Street Number and Street Name	
City, State, Zip Code	
Phone Number - Office	
Phone Number - Cell	
Email Address	

*This section can be left blank through design review but must be filled in no later than at the Pre-Con Meeting.

2880 International Circle, Suite 110
Colorado Springs, CO 80910
Phone: 719-520-6300
Email: Stormwater@elpasoco.com
publicworks.elpasoco.com/stormwater/

Stormwater Permit Number: ESQ_____

EL PASO COUNTY
STORMWATER PERMIT FORM
Erosion and Stormwater Quality Control Permit (ESQCP)

EPC Project Number: PPR 2615

Part III. Qualified Stormwater Manager (QSM)*	
Company/Organization	
Name	
Phone Number - Office	
Phone Number - Cell	
Email Address	

*This section can be left blank through design review but must be filled in no later than at the Pre-Con Meeting.

Part IV. Project Information	
Project Name	Honor Charter School
Address (or nearest major cross streets)	8250 Bent Grass Meadows Drive, Peyton, CO 80831
Acreage	Total: 8.98 acres Proposed Disturbance: 9.3 acres
Description of Project	Proposed Charter School building and associated drive aisles, parking lot, utilities, and drainage infrastructure
Schedule (input estimated month or season)	Start of Construction: 07/2026 Completion of Construction: 08/2027 Final Stabilization: Fall of 2027

2880 International Circle, Suite 110
Colorado Springs, CO 80910
Phone: 719-520-6300
Email: Stormwater@elpasoco.com
publicworks.elpasoco.com/stormwater/

Stormwater Permit Number: ESQ_____

EL PASO COUNTY
STORMWATER PERMIT FORM
Erosion and Stormwater Quality Control Permit (ESQCP)

EPC Project Number: PPR 2615

REQUIRED SUBMISSIONS

See ECM Appendix I for the documentation required to be submitted, reviewed, and approved in conjunction with this Stormwater Permit Form.

RESPONSIBILITY FOR DAMAGE

The County and its officers and employees, including but not limited to the ECM Administrator, shall not be answerable or accountable in any manner for damage to property or for injury to or death of any person, including but not limited to the Permit Holder(s), persons employed by the Permit Holder(s), or persons acting on behalf of the Permit Holder(s), from any cause. The Permit Holder(s) shall be responsible for any liability imposed by law and for damage to property or injuries to or death of any person, including but not limited to the Permit Holder(s), persons employed by the Permit Holder(s), and persons acting on behalf of the Permit Holder(s), arising out of work or other activity permitted and done under a permit, or arising out of the failure to perform the obligations under any permit with respect to maintenance or any other obligations, or resulting from defects or obstructions, or from any cause whatsoever during the progress of the work or other activity, or at any subsequent time work or other activity is being performed under the obligations provided by and contemplated by the permit.

The Permit Holder(s) shall indemnify, save, and hold harmless the County and its officers and employees, including but not limited to the Board of County Commissioners (BoCC) and ECM Administrator, from all claims, suits or actions of every name, kind and description brought for or on account of damage to property or injuries to or death of any person, including but not limited to the Permit Holder(s), persons employed by the Permit Holder(s), persons acting in behalf of the Permit Holder(s) and the public, resulting from the performance of work or other activity under the permit, or arising out of the failure to perform obligations under any permit with respect to maintenance or any other obligations, or resulting from defects or obstructions, or from any cause whatsoever during the progress of the work or other activity, or at any subsequent time work or other activity is being performed under the obligations provided by and contemplated by the permit, except as otherwise provided by state law. The Permit Holder(s) waives any and all rights to any type of expressed or implied indemnity against the County, its officers or employees. It is the intent of the parties that the Permit Holder(s) will indemnify, save, and hold harmless the County, its officers and employees from any and all claims, suits or actions as set forth above regardless of the existence or degree of fault of or negligence, whether active or passive, primary or secondary, on the part of the County, the Permit Holder(s), persons employed by the Permit Holder(s), or persons acting in behalf of the Permit Holder(s).

2880 International Circle, Suite 110
Colorado Springs, CO 80910
Phone: 719-520-6300
Email: Stormwater@elpasoco.com
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Stormwater Permit Number: ESQ_____

EL PASO COUNTY
STORMWATER PERMIT FORM
Erosion and Stormwater Quality Control Permit (ESQCP)

EPC Project Number: PPR 2615

APPLICATION AND PERMIT CERTIFICATION – PERMIT HOLDERS

We, as the Permit Holder(s), hereby certify that this application is correct and complete as per the requirements presented in the El Paso County Engineering Criteria Manual (ECM) and Drainage Criteria Manual (DCM) Volume 2. We, as the Permit Holder(s), have read and will comply with all of the requirements of the submitted Stormwater Management Plan (SWMP), Grading & Erosion Control (GEC) Plan, and any other documents specifying construction control measures to be used on the site, including permit conditions that may be required by the ECM Administrator. We understand that the approved plans are an enforceable part of the ESQCP. We further understand that we are to comply with all requirements set forth by the ECM and DCM Volume 2. We understand that the permitted area is that which is shown as the Limits of Disturbance on the GEC Plans. We further understand that a Construction Permit must be obtained and all necessary construction control measures are to be installed in accordance with the SWMP, GEC Plan, ECM, and DCM Volume 2 before land disturbance begins and that failure to comply will result in a Stop Work Order and may result in other penalties as allowed by law. We understand that the construction control measures are to be maintained on the site and be modified as necessary to protect stormwater quality as the project progresses. We further understand and agree to indemnify, save, and hold harmless the County and its officers and employees, including but not limited to the BoCC and ECM Administrator, from all claims, suits or actions of every name, kind and description as outlined in Responsibility for Damage section above.

Tamela L Sweeris
_____ 6/25/26
Signature of Owner or Representative — Date

Tamela L Sweeris
_____
Print Name of Owner or Representative

_____ 06.25.2026
Signature of Contractor/Operator or Representative* — Date
*If signed by a Rep, an Affidavit of Signature Authority must be included

Malcolm Mulroney
_____
Print Name of Contractor/Operator or Representative

APPLICATION AND PERMIT CERTIFICATION – EL PASO COUNTY

The following signature from the ECM Administrator signifies the approval of this ESQCP Application.

_____ _____
Signature of ECM Administrator — Date

Appendix F
NRCS Web Soil Survey



Map Scale: 1:1,470 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 20 40 80 120

Feet: 0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: El Paso County Area, Colorado
Survey Area Data: Version 23, Aug 29, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 23, 2024—Aug 4, 2024

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
8	Blakeland loamy sand, 1 to 9 percent slopes	0.0	0.1%
19	Columbine gravelly sandy loam, 0 to 3 percent slopes	9.1	99.9%
Totals for Area of Interest		**9.1**	**100.0%**

El Paso County Area, Colorado

19—Columbine gravelly sandy loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 367p
Elevation: 6,500 to 7,300 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 46 to 50 degrees F
Frost-free period: 125 to 145 days
Farmland classification: Not prime farmland

Map Unit Composition

Columbine and similar soils: 97 percent
Minor components: 3 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Columbine

Setting

Landform: Fans, Fan terraces, Flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium

Typical profile

A - 0 to 14 inches: gravelly sandy loam
C - 14 to 60 inches: very gravelly loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Very low (about 2.5 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: A
Ecological site: R049XY214CO - Gravelly Foothill
Hydric soil rating: No

Minor Components

Fluvaquentic haplaquolls

Percent of map unit: 1 percent

Landform: Swales
Hydric soil rating: Yes

Other soils
Percent of map unit: 1 percent
Hydric soil rating: No

Pleasant
Percent of map unit: 1 percent
Landform: Depressions
Hydric soil rating: Yes

Data Source Information

Soil Survey Area: El Paso County Area, Colorado
Survey Area Data: Version 23, Aug 29, 2025