

V2_Storm Water Management Plan (SWMP)_COMMENTS.pdf Markup Summary

EPC Stormwater- Zachary (7)

SWMP Checklist item 1: Add operator/contractor contact information

Subject: SW - Textbox
Page Label: 1
Author: EPC Stormwater- Zachary
Date: 5/13/2026 8:38:36 AM
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SWMP Checklist item 1. Add operator/contractor contact information

Provide the self-inspection form

Subject: SW - Textbox
Page Label: 2
Author: EPC Stormwater- Zachary
Date: 5/14/2026 10:45:38 AM
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Provide the self-inspection form

Provide a placeholder for the signed ESQCP form

Subject: SW - Textbox
Page Label: 2
Author: EPC Stormwater- Zachary
Date: 5/14/2026 10:46:03 AM
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Provide a placeholder for the signed ESQCP form

Describe the current percent cover from native vegetation, Include the method for determining the percent cover.

Subject: SW - Textbox
Page Label: 5
Author: EPC Stormwater- Zachary
Date: 5/14/2026 9:58:53 AM
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Describe the current percent cover from native vegetation, Include the method for determining the percent cover.

Discuss the erodibility of those soil types.

Subject: SW - Textbox
Page Label: 5
Author: EPC Stormwater- Zachary
Date: 5/14/2026 10:01:03 AM
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Discuss the erodibility of those soil types.

Describe how flows leave the site, and state that the flows are discharging to the EPC MS4 permit area.

Subject: SW - Textbox with Arrow
Page Label: 5
Author: EPC Stormwater- Zachary
Date: 5/14/2026 10:03:40 AM
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Describe how flows leave the site, and state that the flows are discharging to the EPC MS4 permit area.

Basin

be required at the discretion of the City Stormwater Insp
Describe and state the location of the pond
Long term stormwater management
ing will be installed to provide interim stabilization prior
sion, final stabilization will be achieved at time of final lan
ing activities. See landscaping plans for final stabilizat
et when 70% of pre disturbance levels, not including no
must be achieved prior to removal of temporary erosion

Subject: SW - Textbox
Page Label: 10
Author: EPC Stormwater- Zachary
Date: 5/14/2026 10:40:53 AM
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Describe and state the location of the pond



Ascent Church

STORMWATER MANAGEMENT PLAN

All Terrain Engineering Project No: 25023

April 2026

Applicant: Ascent Church

Attn: Jason Schott

1750 Deer Creek Road

Monument, CO 80132

Prepared by:

All Terrain Engineering LLC

Contact: Nicholas Q. Jokerst

njokerst@allterraineng.com

SWMP Checklist item 1. Add operator/contractor contact information

Qualified Stormwater Manager:

Company: _____

Contact: _____

Phone: _____



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- A. Vicinity Map, FEMA Map & NRCS Soil Survey
- B. GEC Plans
- C. GEC Administrator Certification
- D. Construction Control Measure Details

Provide the self-inspection form

Provide a placeholder for the signed ESQCP form



PREPARING ENGINEER:

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PERMITTEE:

Name: Jason Schott

Company: Ascent Church

Title: Manager

Phone Number: (719) 481-3600

Address: 1750 Deer Creek Road, Monument CO 80132



APPLICANT’S STATEMENT

The Stormwater Management 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 and State for Stormwater Management Plans.

Engineer of Record and/or Qualified Stormwater Manager Date

REVIEW ENGINEER

The Stormwater Management Plan was reviewed and found to meet the checklist requirements except where otherwise noted or allowed by an approved deviation request.

Review Engineer Date

I. Site Location & Description

Ascent Church, referred to as ‘the site’ herein, is Lot 1 of the Tri-Lakes subdivision. The site is bound by Palmer Ridge Highschool to the north, Microscope Way to the west, Woodmoor Road to the east and Deer Creek Road to the south. Surrounding platted developments include Woodmoor Business/Technological Park to the west, Woodmoor Oaks to the east and Patriot Place Subdivision to the south. A vicinity map is presented in Appendix A.

Describe the current percent cover from native vegetation, Include the method for determining the percent cover.

The site is approximately 7.27 acres. The current property includes a large parking lot, an existing church & open space. The total disturbed area associated with the project activities is 2.81 acres.

Discuss the erodibility of those soil types.

In general, the site slopes south and west. Onsite elevations range from 7140' - 7190' with slopes ranging 1 – 5%. Per an NRCS soil survey, the site is made up of Type Kettle gravelly loamy sand and Pring coarse sandy loam. There are no major drainageways that traverse the site. On-site, existing utilities include water, sewer, irrigation, storm sewer, gas, electric and communications. The ultimate receiving waters for the site are Crystal Creek and Dirty Woman Creek.

Describe how flows leave the site, and state that the flows are discharging to the EPC MS4 permit area.

II. Construction Phasing

The construction activity associated with this SWMP is site excavation for a building expansion, utility service extensions, Pond 1 construction and the construction of a private fire access road. There are no control measures located outside the construction limits. The proposed sequence of major construction activities and Construction Control Measures for the project as are follows:

1. Install VTC, SSA and other perimeter erosion and stormwater control measures (i.e. silt fence, construction fence etc.) (August 2026)
2. Clear, grub and grade site for improvements. Install TSB and ECB per GEC plans. (August 2026)
3. Construct Pond 1. (September 2026)
4. Excavate building footprint, construct building expansion and install improvements including underground piping and drainage structures. Construct private fire access road. (September 2026 – Spring 2027)
5. Landscaping, restoration and final stabilization. Ensure final stabilization achieved prior to site closure. In areas that utilize vegetative cover for final stabilization, vegetation must be evenly distributed and coverage will be a minimum of 70% of pre-disturbance conditions. (Summer 2027)

III. Self-Inspections

Self-inspections of the Construction Control Measures must be completed by the certified GEC Administrator. The below provides the minimum to satisfy the El Paso County self-inspection requirements. A more frequent self-inspection schedule may be required to ensure Control Measures are operating in compliance with the approved GEC plan.

1. Inspection Schedules:
 - a. The GEC Administrator shall make a thorough inspection of the Control Measures:
 - i. At least once every fourteen (14) calendar days.
 - ii. Within 24 hours following any precipitation event (i.e. rain, snow, hail etc.) that causes surface erosion.
 - Alternatively, the GEC Administrator can perform a thorough inspection of the Control Measures once every seven (7) days and forego post-precipitation inspections.
 - b. For sites where construction activities have completed and final stabilization measures installed but final stabilization has not yet been achieved, the GEC Administrator shall make a thorough inspection of the Control Measures:
 - i. At least once every month
 - ii. Within 72 hours following any precipitation event that causes surface erosion
2. Inspection Procedures:
 - a. Site Inspection & Observation Items:
 - i. Qualified Stormwater Manager's signature required on self-inspection reports and provide the location of SWMP records on site
 - ii. Limits of disturbance perimeter and stormwater discharge points
 - iii. All disturbed areas to ensure necessary Construction Control Measures are in place to control potential stormwater runoff
 - iv. Areas used for material/waste storage
 - v. Any areas having a signification potential for storm water pollution (i.e site entrances, concrete washout areas etc.)
 - vi. All Construction Control Measures identified on the GEC plans.
 - b. Inspection Requirements:
 - i. Determine any locations, or potential locations, where pollutants and stormwater may be exiting the site/entering the receiving waters
 - ii. Evaluate Construction Control measures and determine if they are constructed in accordance with the latest revision of the approved GEC plan and operating effectively
 - iii. Provide recommendations for the need of additional Construction Control measures and the maintenance of existing measures in disrepair to ensure

complication with the El Paso County Stormwater Construction Manual.

- c. Construction Control Measure Maintenance/Replacement:
 - i. The GEC administrator shall ensure sediment has been removed from perimeter controls and relocated to an area without the potential for sediment to discharge from the site
 - ii. The GEC administrator shall ensure diversion ditches and temporary sediment ponds have not accumulated excess sediment that impedes their functionality.
 - iii. The GEC administrator shall ensure that failed Control Measures are repaired/reinstalled within three (3) calendar days, according to the El Paso County Stormwater Control Measure details, to ensure pollutants and/or sediment do not discharge from the site. GEC details are provided in Appendix D.
- d. Documentation:
 - i. Upon updates to the SWMP, updates must include a notation in the SWMP identifying the dated and description of the change. Methods may include notations on the site map, a log of changes, redline changes in the SWMP, or other measures.
 - ii. Update the GEC plan to document the installation/revision of Control Measures
 - iii. Identify Control Measure deficiencies and that noncompliance is resolved within three(3) calendar days.
 - iv. Identify Self-Inspection schedule in most recent inspection form
 - v. Complete and submit Self-Inspection forms to the El Paso County within five (5) business days of the completed inspection
 - vi. Ensure Self-Inspections are available, either physically or electronically, throughout the duration of the project
 - vii. Self-Inspection Report shall contain at least the following:
 - 1. Inspection Date
 - 2. Name and title of the GEC Administrator performing inspection
 - 3. Location(s) of illicit discharges of stormwater, sediment or pollutants from the site
 - 4. Location(s) of Construction Control Measures in need of maintenance/repair
 - 5. Location(s) of Construction Control Measures that failed to operate as designed or proved inadequate
 - 6. Location(s) of additional Construction Control Measures not shown on the latest, approved revision of the GEC plan
 - 7. Any deviations from the minimum inspection schedule

IV. Materials Handling

- 1. General Materials Handling Practices:

- a. Potential pollutants shall be stored and used in a manner consistent with the manufacturer's instructions in a secure location. To the extent practical, material storage areas should be located away from storm drain inlets and should be equipped with covers, roofs or secondary containment as required to prevent stormwater from contacting stored materials. Chemicals that are not compatible shall be stored in segregated areas so that spill materials cannot combine and react.
 - b. Disposal of materials shall be in accordance with the manufacturer's instructions and applicable local, state, and federal regulations.
 - c. Materials no longer required for construction shall be removed from the site as soon as possible.
 - d. Adequate garbage, construction waste, and sanitary waste handling and disposal facilities shall be provided as necessary to keep the site clear of obstruction and Control Measures clear and functional.
2. Specific Materials Handling Practices:
- e. All pollutants, including waste materials and demolition debris, that occur onsite during construction shall be handled in a way that does not contaminate stormwater.
 - f. All chemicals including liquid products, petroleum products, water treatment chemicals, and wastes stored onsite shall be covered and protected from vandalism.
 - g. Maintenance, fueling, and repair of all equipment and vehicles involving oil changes, hydraulic system drain down, degreasing operation, fuel tank drain down and removal, and other activities which may result in the accidental release of contaminants, shall be conducted under cover during wet weather and on an impervious surface to prevent release of contaminants onto the ground. Materials spilled during maintenance operations shall be cleaned up immediately and properly disposed of.
 - h. Wheel wash water shall be settled and discharged onsite by infiltration.
 - i. Application of agricultural chemicals, including fertilizers and pesticides, shall be conducted in a manner and at application rates that will not result in loss of chemical to stormwater runoff. Follow manufacturer's recommendations for application rates and procedures.
 - j. pH-modifying sources shall be managed to prevent contamination of runoff and stormwater collected onsite. The most common sources of pH-modifying materials are bulk cement, cement kiln dust (CKD), fly ash, new concrete washing and curing waters, wastestreams generated from concrete grinding and sawing, exposed aggregate

V. Spill Prevention & Response Plan

1. The primary objective in responding to a spill is to quickly contain the material and prevent or minimize their

mitigation into stormwater runoff and conveyance systems. If the release has impacted onsite stormwater, it is critical to contain the released materials onsite and prevent their release into receiving waters.

2. Spill Response Procedures:
 - a. Notify site superintendent immediately when a spill, or the threat of a spill, is observed. The superintendent shall assess the situation and determine the appropriate response
 - b. If spills represent an imminent threat of escaping onsite facilities and entering the receiving waters, site personnel shall respond immediately to contain the release and notify the superintendent once the situation has stabilized.
 - c. The site superintendent shall be responsible for completing a spill reporting form and for reporting the spill to the appropriate agency.
 - d. Spill response equipment shall be inspected and maintained as necessary to replace any materials used in spill response activities.
3. Spill kits shall be on-hand at all fueling sites. Spill kit locations shall be reported to the GEC administrator.
4. Absorbent materials shall be on-hand at all fueling areas for use in containing advertent spills. Containers shall be on-hand at all fueling sites for disposal of used absorbents.
5. Recommended components of spill kits include the following:
 - a. Oil absorbent pads
 - b. Oil absorbent booms
 - c. 55-gallon drums
 - d. 9-mil plastic bags
 - e. Personal protective equipment including gloves and goggles
6. Concrete wash water: unless confined in a pre-defined, bermed containment area, the cleaning of concrete truck delivery chutes is prohibited at the job site.
7. Notification procedures:
 - e. In the event of an accident or spill, the GEC administrator shall be notified.
 - f. Depending on the nature of the spill and material involved, the Colorado Department of Public Health and Environment, downstream water users, or other agencies may also need to be notified.
 - g. Any spill of oil which 1) violates water quality standards, 2) produces a "sheen" on a surface water, or 3) causes a sludge or emulsion, or any hazardous substance release, or hazardous waste release which exceeds the reportable quantity, must be reported immediately by telephone to the National Response Center Hotline at (800) 424-8802.

VI. Potential Sources of Pollution

1. Potential sources of pollution from construction activities include
 - a. Disturbed or stored soils
 - b. Vehicle tracking of sediment

- c. Loading & unloading operations
- d. Outdoor Storage activities
- e. Vehicle and Equipment Maintenance/Fueling
- f. Dust or Particulate Generating Processes
- g. Routine maintenance activities involving fertilizers, pesticides, detergents, fuels, solvents etc.
- h. On-site waste management (waste piles, liquid wastes, dumpsters)
- i. Concrete truck/equipment washing (washing truck chute and associated fixtures)
- j. Dedicated asphalt, concrete batch plants and masonry mixing stations
- k. Non-industrial waste (worker trash and portable toilets)

VII. Implementation of Control Measures

Stormwater control measures must be installed according to El Paso County design specifications, presented in Appendix D, and the approved Grading and Erosion Control plan this report supports. Within the context of this SWMP's construction activities the following control measures, at a minimum, are required:

- Perimeter Silt Fence & Construction Fence
- Vehicle Tracking Control
- Concrete Washout Area
- Stabilized Staging Area
- Inlet Protection
- Erosion Control Blanket
- Check Dams
- Temporary Sediment Basin
- Seeding & Mulching

Additional control measures may be required at the discretion of the City Stormwater Inspector.

Describe and state the location of the pond

VIII. Final Stabilization & Long Term Stormwater Management Plan

1. Temporary seeding and mulching will be installed to provide interim stabilization prior to final landscaping installation. For vegetated areas, final stabilization will be achieved at time of final landscaping. Paved areas will be final stabilized after paving activities. See landscaping plans for final stabilization details of vegetated areas. Final stabilization is met when 70% of pre disturbance levels, not including noxious weeds, are stabilized. Final stabilization must be achieved prior to removal of temporary stormwater control measures. Anticipated date of final stabilization is Spring 2026; however this is subject to change. Permanent stormwater management will be provided in Pond A, located south of Lot 1 in Tract A. See the Permanent Control Measure Plans for construction details of the permanent full spectrum detention pond. See below for seeding and mulching details:
 - a. Prior to seeding, fill any eroded rills and gullies with topsoil.
 - b. Ensure all areas are seeded and mulched per the City Stormwater Construction Manual.
 - c. Continue monthly self-inspections of final stabilization methods and the stormwater

management system to ensure proper function. If repairs are needed, reseed and re-mulch as needed.

- d. Control noxious weeds in a manner acceptable to the GEC inspector.
- e. Seed Mix: See Appendix D for approved seed mixes.
- f. Seeding Requirements:
 - i. Drill seed whenever possible, seed depth must be 1/3 to 1/2 inch when drill-seeding. Cross drilling should be used whenever possible with the seed divided between the two operations. The second drilling should be perpendicular to the first.
 - ii. When drill seeding is not possible or on slopes greater than 3:1, hydro-seeding with tackifier may be substituted at the discretion of the GEC inspector. Hydro-seeding must be lightly raked into soil. Seeding rates are presented in Appendix D.
 - iii. All seeded areas must be mulched.
- g. Mulching Requirements:
 - i. Mulching shall be completed as soon as practical after seeding but no more than fourteen (14) days after planting. Erosion control blanket can be used in place of the below mulching methods.
 - ii. Hay or straw mulch:
 - 1. Only certified weed-free and certified-seed free mulch may be used. Must be applied at 2 tons/acre and adequately secured.
 - 2. Crimping shall not be used on slopes greater than 3:1, tackifier must be used in place.
 - iii. Hydraulic mulching
 - 1. Allowable on steep slopes or areas with limited access
 - 2. If hydro-seeding is used, mulching must be applied secondly.
 - 3. Wood cellulose fibers mixed with water must be applied at a rate of 2,000-2,500 lbs/acre, and tackifier applied at a rate of 100 lbs/acre.

IX. References

- I. El Paso County – Drainage Criteria Manual, as amended.
- II. Urban Storm Drainage Criteria Manual, Urban Drainage Flood Control District, January 2018.
- III. Federal Emergency Management Agency, Flood Map Service Center - <https://msc.fema.gov/portal/home>
- IV. Web Soil Survey, Natural Resources Conservation Service, September 2024.



APPENDIX A – VICINITY MAP, FEMA & NRCS WEB SOIL SURVEY