



**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 preparing this report.

Engineer of Record Signature \_\_\_\_\_ Date \_\_\_\_\_

**OWNER'S STATEMENT**  
The Owner will comply with the requirements of the Grading and Erosion Control Plan.

Owner Signature \_\_\_\_\_ Date \_\_\_\_\_

**EL PASO COUNTY**  
County plan reviews 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.

Filled in accordance with the requirements of the El Paso County Land Development Code, Drainage Criteria, and Engineering Criteria Manual as amended.

County Project Engineer Signature \_\_\_\_\_ Date \_\_\_\_\_

**REPORTING REQUIREMENTS**  
ANTICIPATED STARTING AND COMPLETION TIME PERIOD OF SITE GRADING: June 1, 2021  
EXPECTED DATE ON WHICH THE FINAL STABILIZATION WILL BE COMPLETED: June 30, 2022  
TOTAL AREA OF THE SITE TO BE CLEARED, EXCAVATED OR GRADED: 6.0 acres  
NAME OF RECEIVING WATERS: East Fork of Sand Creek, discharging to Sand Creek which discharges to Fountain Creek  
SOILS INFORMATION: Truckton Sandy Loam (3-9% slopes) [NRCS Soil Survey]

Please copy and paste the general notes from the GEC Checklist.

Please change to "unless shown to be infeasible and specifically requested and approved."

Please change to "designed."

Please add ", creek or stream."

Please add "unless an approved State dewatering permit is in place."

Please change to "Owner/developer and their agents"

SUBDIVISION NAME: <i>N/A</i> .			
CONTROL MEASURE COST ESTIMATE: (not inclusive of pavement or curb & gutter repair)			
Berm	= \$0	(Already existing)	
Retention Pond	= \$0	(Already existing)	
Detention Pond	= \$0	(Already existing)	
Street Sweeping 34 days * \$220/day	= \$7,480	(Assume once per day until tracking pad in place, then twice a week afterwards)	
Vehicle Tracking 1 Tracking Pad * \$1,800/pad	= \$1,800	for VTC	
Restoration max 1 acre * \$2,900/acre	= \$2,900	for Hydrseeding/mulching/tackifier	
Subtotal	= \$12,180		
Subtotal x 40% Maintenance of CONTROL MEASURES = \$4,872			
Total = \$17,052			

PROPOSED TOPOGRAPHY: See Figure 3  
LOCATION OF ANY OTHER PROPOSED FEATURES AND STRUCTURES ON THIS SITE: *N/A*  
LOCATION AND PLANS FOR ALL DRAINAGE FEATURES: Figures 2-4  
LOCATION OF PERMANENT SOIL EROSION AND SEDIMENT CONTROL MEASURES: Figures 2-4  
LOCATION OF ANY DEDICATED ASPHALT OR CONCRETE BATCH PLANTS: *N/A*  
IS THE SITE IN THE CITY'S STREAMSIDE ZONE: *No*  
EMERGENCY OVERFLOW SWALES: *N/A*  
FLOW ROUTE - FLOW THROUGH AND OVERFLOW OF PERMANENT CONTROL MEASURES AND TEMPORARY SEDIMENT BASINS: Figure 4  
DETAIL DRAWINGS OF PERMANENT CONTROL MEASURES: Appendix 3 to the SWMP

**NOTES:**  
A designated concrete truck washout is not anticipated for this project.  
Fueling of equipment may occur along the project route; fueling guidelines are included in the SWMP.  
0% of the disturbance area is within the designated 100 year floodplain.

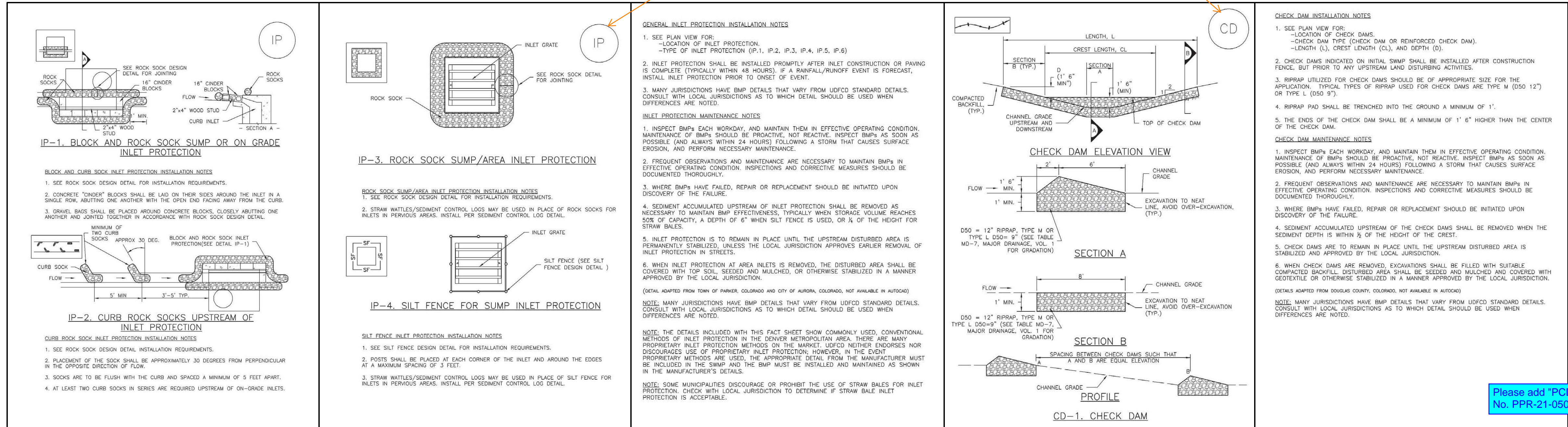
Missing 3rd paragraph, per GEC Checklist Item "jj"

IP and CD's are not seen on Fig 4. Show their location on that Fig. FAE states that there is 1 IP and 0 CD's. Update FAE accordingly if you update plans.

Concrete Washout shown on FAE but not plans. Show location on plans and provide a detail here or remove from FAE.

VTC shown on Fig 4 and FAE but no detail shown here. Provide a detail. Make sure that the detail that you choose shows a min VTC length of 75ft.

Additional erosion control details on maintenance and installation are located in Attachment 3 to the SWMP/GESQCP Narrative



5 total Figures

Please add "PCD File No. PPR-21-050"

- GENERAL NOTES**
- 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 offsite waters, including wetlands.
  - Notwithstanding anything depicted in these plans in words or graphic representation, all design and construction related to roads, storm drainage and erosion control shall conform to the standards and requirements of the most recent version of the relevant adopted El Paso County standards, including the Land Development Code, the Engineering Criteria Manual, the Drainage Criteria Manual, and the Drainage Criteria Manual Volume 2. Any deviations to regulations and standards must be requested, and approved, in writing.
  - A separate Stormwater Management Plan (SWMP) for this project shall be completed and an Erosion and Stormwater Quality Control Permit (ESQCP) issued prior to commencing construction. During construction the SWMP is the responsibility of the designated Qualified Stormwater Manager or Certified Erosion Control Inspector and shall be located on site at all times during construction and shall be kept up to date with work progress and changes in the field.
  - Once the ESQCP is approved and a "Notice to Proceed" has been issued, the contractor may install the initial stage erosion and sediment control measures as indicated on the approved GEC. A Preconstruction Meeting between the contractor, engineer, and El Paso County will be held prior to any construction. It is the responsibility of the applicant to coordinate the meeting time and place with County staff.
  - Control measures must be installed prior to commencement of activities that may contribute pollutants to stormwater. Temporary sediment and erosion control measures for all slopes, channels, ditches, or any disturbed land area shall be completed immediately upon completion of the disturbance.
  - All temporary sediment and erosion control measures shall be maintained and remain in effective operating condition until permanent soil erosion control measures are implemented and final stabilization is established. All persons engaged in land disturbance activities shall assess the adequacy of control measures at the site and identify if changes to those control measures is needed to ensure the continued effective performance of the control measures. All changes to temporary sediment and erosion control measures must be incorporated into the Stormwater Management Plan prior to implementation.
  - Temporary stabilization shall be implemented on disturbed areas and stockpiles where ground disturbing construction activity has permanently ceased or temporarily ceased for longer than 14 days. An area that is going to remain in an interim state for more than 60 days shall also be stabilized.
  - Final stabilization must be implemented at all applicable construction sites. Final stabilization is achieved when all ground disturbing activities are complete and all disturbed areas either have a uniform vegetative cover with individual plan density of 70 percent of pre-disturbance levels established or equivalent permanent alternative stabilization method is implemented. All temporary sediment and erosion control measures shall be removed upon final stabilization and before permit closure.
  - All permanent stormwater management facilities shall be installed as defined in the approved plans. Any proposed changes that effect the hydrology or hydraulics of a permanent stormwater management structures must be approved by the ECM Administrator prior to implementation.
  - Any earth disturbance shall be conducted in such a manner so as to effectively minimize accelerated soil erosion and resulting sedimentation. All disturbances shall be designed, constructed, and completed so that the exposed area of any disturbed land shall be limited to the shortest practical period of time. Pre-existing vegetation shall be protected and maintained within 50 horizontal feet of a waters of the state, unless infeasible.
  - Compaction of soil must be prevented in areas designated for infiltration control measures or where final stabilization will be achieved by vegetative cover. Areas designated for infiltration control shall also be protected from sedimentation during construction until final stabilization is achieved.
  - Any temporary or permanent facility designed and constructed for the conveyance of stormwater around, through, or from the earth disturbance area shall be a stabilized conveyance designed to minimize erosion and the discharge of sediment off site.
  - Concrete wash water shall be contained and disposed of in accordance with the SWMP. No wash water shall be discharged to or allowed to runoff to State Waters, including any surface or subsurface storm drainage system or facilities. Concrete washout shall not be located in an area where shallow groundwater may be present, or within 50 feet of a surface water body.
  - Dewatering operations: uncontaminated ground water may be discharged on site, but may not leave the site in the form of surface runoff.
  - Erosion control blanketing is to be used on slopes steeper than 3:1.
  - Building, construction, excavation, or other waste materials shall not be temporarily placed or stored in the street, alley, or other public way, unless in accordance with an approved Traffic Control Plan. BMP's may be required by El Paso County Engineering if deemed necessary, based on specific conditions and circumstances.
  - Vehicle tracking of soils and construction debris off-site shall be minimized. Materials tracked offsite shall be cleaned up and properly disposed of immediately.
  - Contractor shall be responsible for the removal of all wastes from the construction site for disposal in accordance with local and State regulatory requirements. No construction debris, tree slash, building material wastes or unused building materials shall be buried, dumped, or discharged at the site.
  - The owner, site developer, contractor, and/or their authorized agents shall be responsible for the removal of all construction debris, dirt, trash, rock, sediment, and sand that may accumulate in the storm sewer or other drainage conveyance system and stormwater appurtenances as a result of site development.
  - The quantity of materials stored on the project site shall be limited, as much as practical, to that quantity required to perform the work in an orderly sequence. All materials stored on-site shall be stored in a neat, orderly manner, in their original containers, with original manufacturer's labels.
  - No chemicals are to be used by the contractor, which have the potential to be released in stormwater unless permission for the use of a specific chemical is granted in writing by the ECM Administrator. In granting the use of such chemicals, special conditions and monitoring may be required.
  - Bulk storage of petroleum products or other liquid chemicals in excess of 55 gallons shall have adequate secondary containment protection to contain all spills and prevent any spilled material from entering State Waters, including any surface or subsurface storm drainage system or facilities.
  - No person shall cause the impediment of stormwater flow in the flow line of the curb and gutter or in the ditch flow line.
  - Individuals 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 included in the DCM Volume I and the ECM Appendix I. All appropriate permits must be obtained by the contractor prior to construction (NPDES, Floodplain, 404, fugitive dust, etc.). In the event of conflicts between these requirements and laws, rules, or regulations of other Federal, State, or County agencies, the more restrictive laws, rules, or regulations shall apply.
  - All construction traffic must enter/exit the site at approved construction access points.
  - Prior to actual construction the permittee shall verify the location of existing utilities.
  - A water source shall be available on site during earthwork operations and utilized as required to minimize dust from earthwork equipment and wind.
  - The soils report for this site has been prepared by National Resources Conservation Service and shall be considered a part of these plans.
  - At least ten (10) days prior to the anticipated start of construction, for projects that will disturb 1 acre or more, the owner or operator of construction activity shall submit a permit application for stormwater discharge to the Colorado Department of Public Health and Environment, Water Quality Division. The application contains certification of completion of a stormwater management plan (SWMP), of which this grading and erosion control plan may be a part. For information or application materials contact:  
Colorado Department of Public Health and Environment  
Water Quality Control Division  
WQCD - Permits  
4300 Cherry Creek Drive South  
Denver, CO 80246-1530  
Attn: Permits Unit



Colorado Springs Utilities  
*It's how we're all connected*

**ENVIRONMENT, HEALTH, & SAFETY DEPARTMENT**

TECHNICAL SERVICES SECTION  
P.O. Box 1103, Mail Code 940  
COLORADO SPRINGS, CO 80947  
(719)668-8688

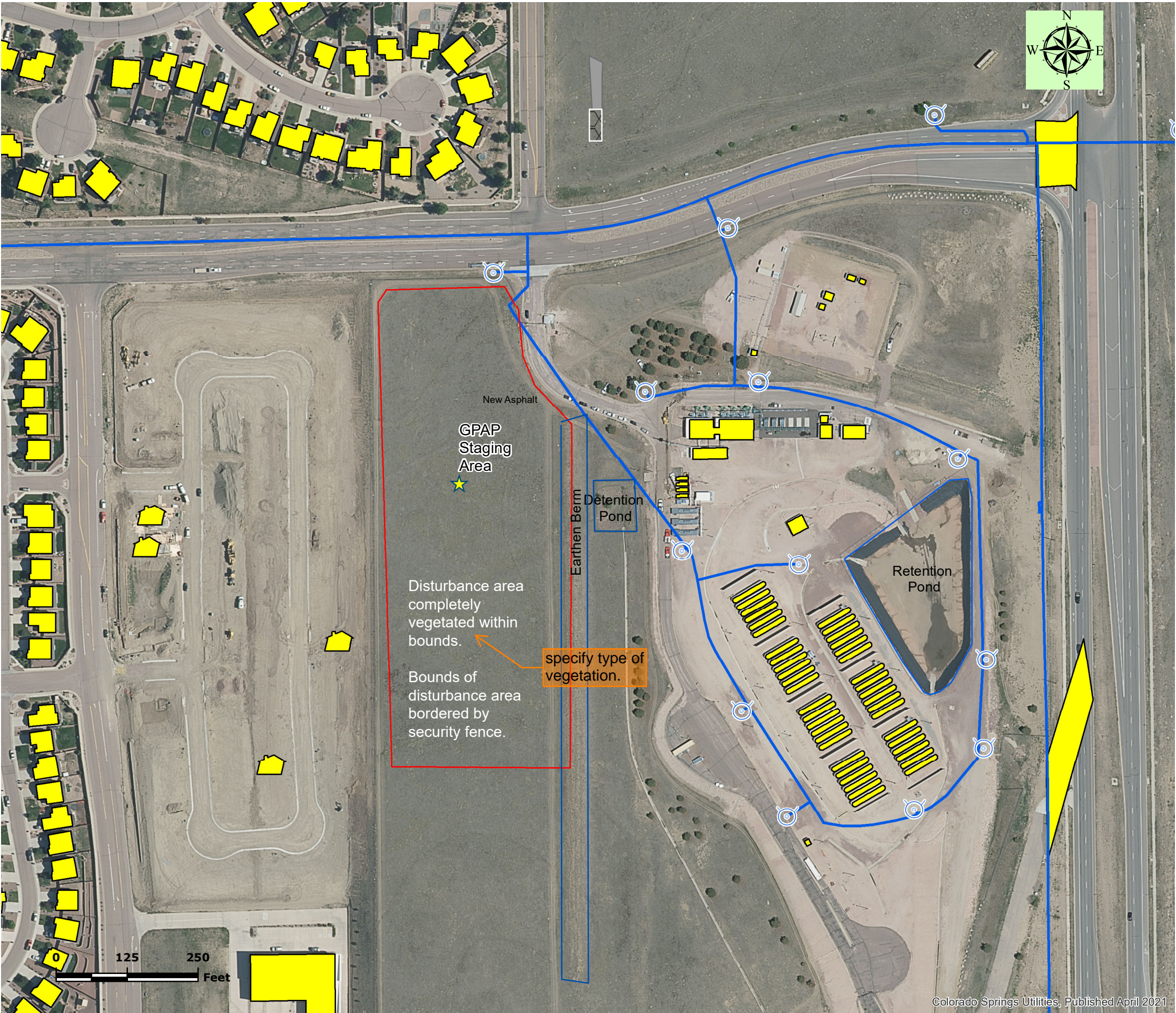
**TITLE PAGE**

**EROSION AND STORMWATER QUALITY CONTROL PLAN**

**GPAP Staging Area**

Project No:	See SWMP	Figure 1 of 4
Prepared By:	RSC	
Date:	May, 2021	



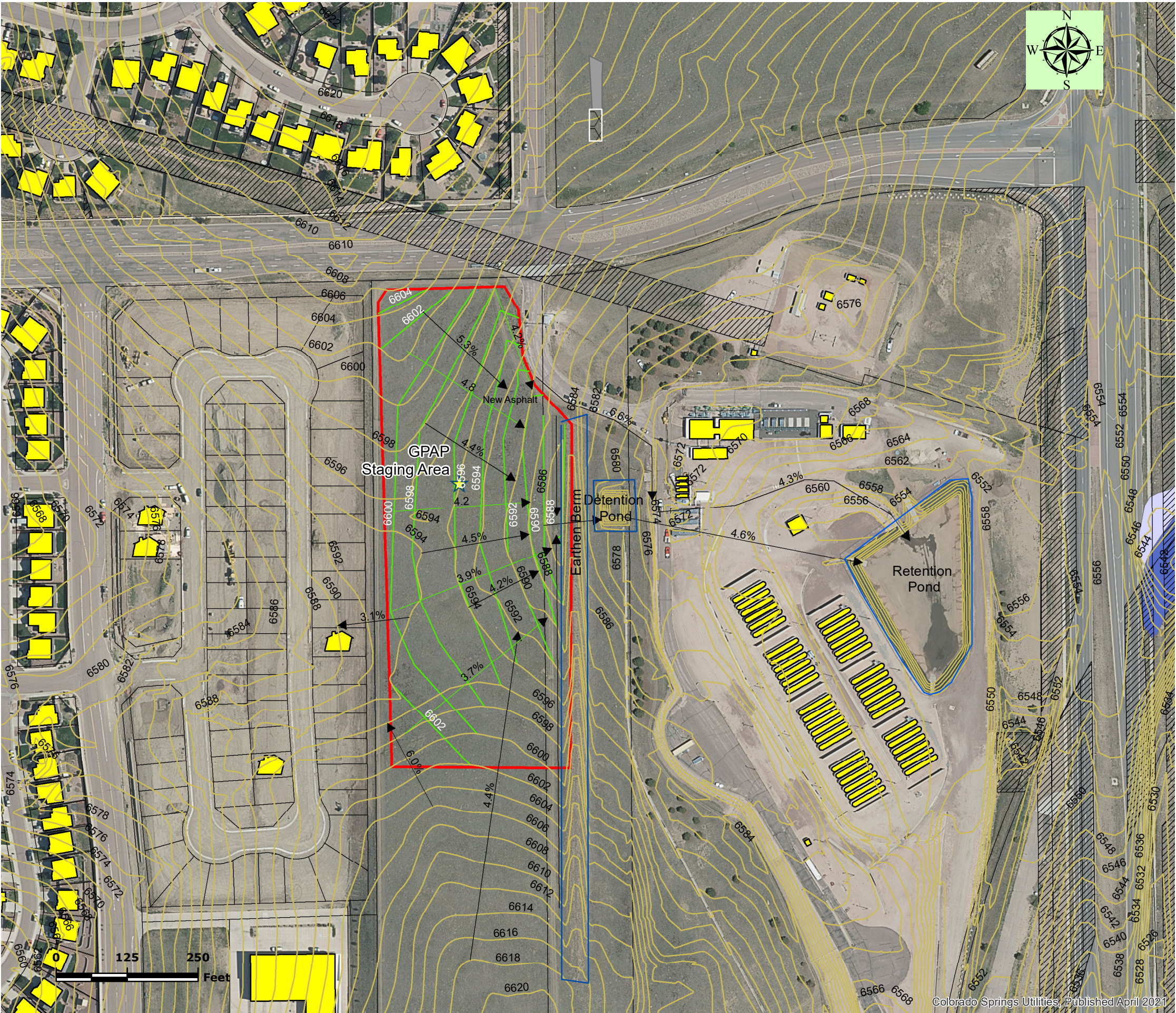


- Legend:**
- ★ Construction Project Location
  - Boundary of Planned Construction Disturbance
  - ⊙ Hydrant
  - NonPotablePipe
  - PotablePipe
  - RawPipe
  - ..... Existing Water Service Line
  - Construction Project Impervious Areas

**SWMP  
SITE DETAIL MAP  
GPAP Staging Area**

<b>Project No:</b> WO#	<b>Figure Number 2</b>
<b>Prepared By:</b> R. Sebastian-Coleman	
<b>Date:</b> May, 2021	

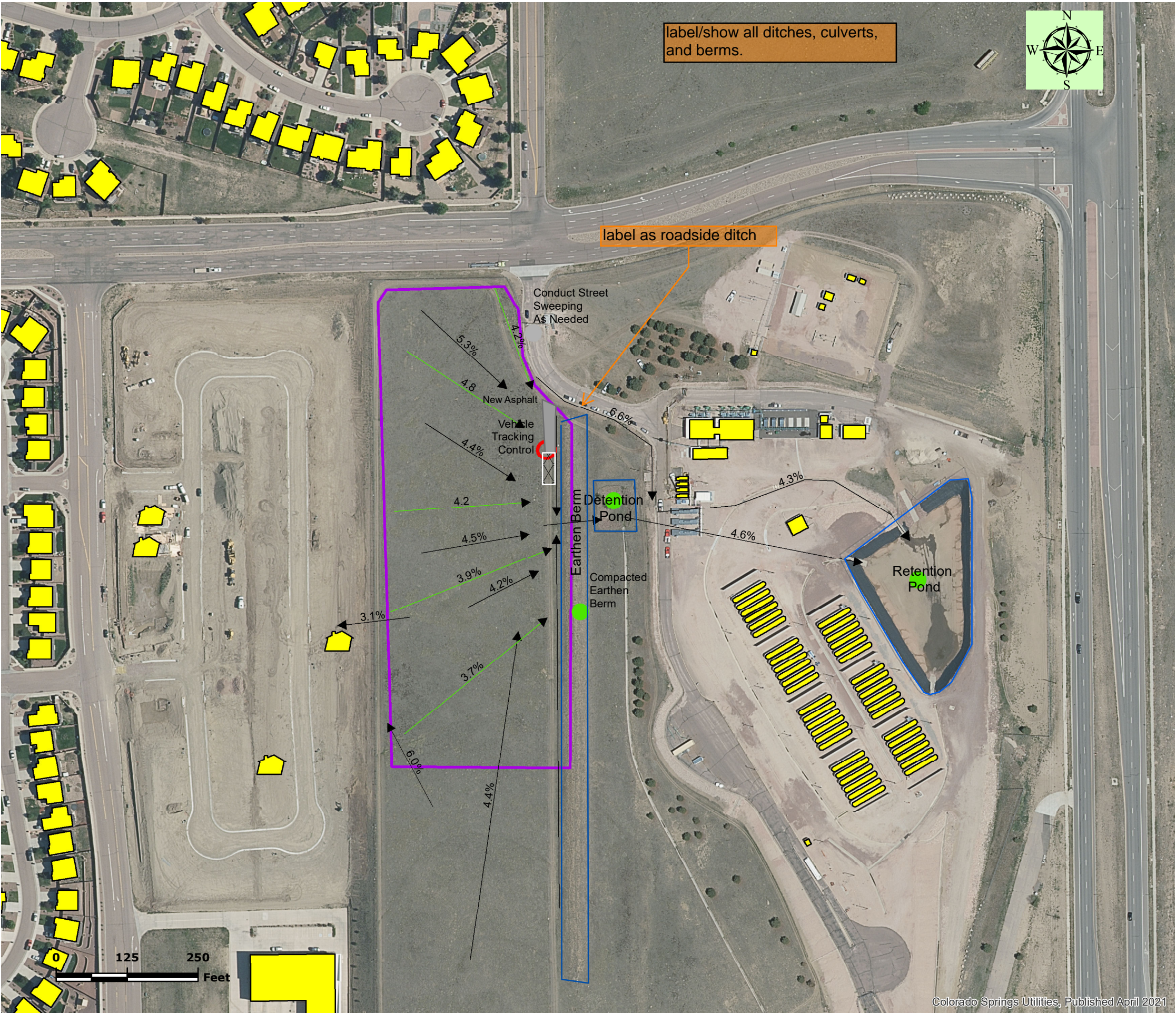




**Legend:**

- ★ Construction Project Location
- Surface Flow**
  - Construction\_Stage
    - Pre-Construction
    - Post-Construction
  - Existing Contours (2ft Intervals)
  - Proposed Contour Changes (2ft Intervals)
  - Boundary of Construction Project
  - Property Boundaries
  - Utility Easements
  - Impervious Areas at Project Site
  - 10 Year FEMA Flood Zone
  - 100 Year FEMA Flood Zone
  - 500 Year FEMA Flood Zone
  - City Streamside Overlay





**Legend:**

Control Measures - Is Action Needed?

- Install Before Disturbance Begins
- N/A
- No
- Yes

Construction Stage

- Pre-Construction
- Post-Construction

Pollutant Source - Present?

- No
- Yes

Disturbance Area - Current Status

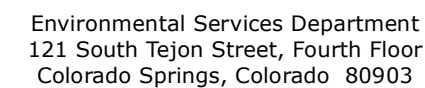
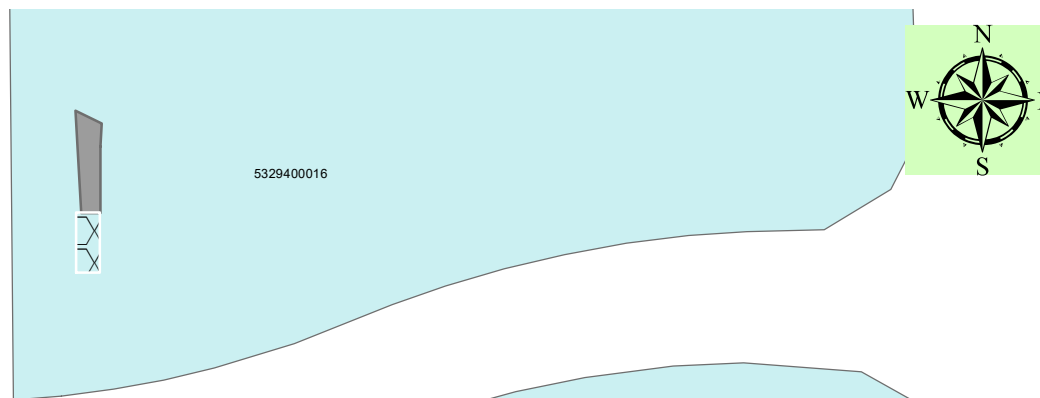
- Construction
- Finally Stabilized
- Not Started
- Other
- Restoration / Stabilization
- Waterway\_Buffer50ft

Notes:

1. Specific locations of staging areas, stockpiles, and any other material storage will be determined by site crew. These locations will be marked and updated on this plan throughout construction. Due to the nature of the project, it is expected that some or all of these items may be located in several areas and may be moved daily.
2. Stockpiles should be protected with straw wattles or rock-socks on the downhill side of the stockpile when crews are not at the site.
3. Inlet Protection BMPs only need to be present while disturbances from main construction are present within each inlet's drainage area.
4. Once construction begins, if additional BMPs are needed, locations should be identified on the inspection report map updates.
5. Street sweeping will be performed as needed. Areas in need will be marked on this map.
6. No concrete asphalt batch plants nor concretewashout performed on site.
7. No vegetation to be re-established as site will be used as staging area.

SWMP EROSION CONTROL - PLANNED CONTROL MEASURES GPAP Staging Area		
Project No:	WO#	Figure Number <b>4</b>
Prepared By:	R. Sebastian-Coleman	
Date:	May, 2021	





— Boundary of Planned Construction Disturbance  
 Parcels and Tax Schedule Numbers



<b>Project No:</b>	WO#
<b>Prepared By:</b>	R. Sebastian-Coleman
<b>Date:</b>	May, 2021

**Figure  
Number  
5**