STORMWATER MANAGEMENT PLAN (SWMP)

Corvallis Filing No. 1
Fountain, Colorado

HPHR PROPERTIES, LLC.
2360 Margaux Valley Way
Colorado Springs, Colorado 80921

April 1, 2026

This Page intentionally left blank

STORMWATER MANAGEMENT PLAN (SWMP)

Corvallis Filing No. 1
Fountain, Colorado

Applicant (Owner):

HPHR Properties, LLC.
Ed Houle
2360 Margaux Valley Way
Colorado Springs, Colorado 80921

SWMP Prepared By:

Luke Bonner, PE
Project Engineer
Matrix Design Group, Inc.
2435 Research Parkway, suite 300
Colorado Springs, Colorado 80920
(719) 575-0100

Qualified Stormwater Manager:

Name:_____
Company: _____
Address: _____
_____

Contractor:

Name:_____
Company: _____
Address: _____
_____

This Page intentionally left blank

TABLE OF CONTENTS

1. GENERAL INFORMATION 3
1.1 Site Description 3
1.3 Project Contact Information 5
1.4 Disturbance Area and Import/Export Volume 5
1.5 Construction Activities 6
1.6 Construction Sequencing and Phasing 6
1.7 Soils 8
1.8 Vegetation 9
1.9 Allowable Non-Stormwater Discharges 9
1.10 Receiving Waters 9
1.11 Stream Crossings within the Project Area 9
1.12 Pollution Sources 9
1.13 Spill Prevention and Response Plan 11
2. BEST MANAGEMENT PRACTICES 13
2.1 Structural BMPs 13
2.2 Non-Structural BMPs 16
2.3 Housekeeping BMPs 17
3. FINAL STABILIZATION AND LONG-TERM STORMWATER MANAGEMENT 20
3.1 Inspection and Maintenance 20
3.2 BMP Replacement and Failed BMPs 21
3.3 Qualified Inspectors 22
3.4 Additional SWMP and BMP Practices 22

Attachments

- SWMP Drawings
- SWMP Inspection and Maintenance Log
- Soil Survey of El Paso County Area Soils Map
- FEMA FIRM Floodplain Maps
- CDPHE General Permit

This Page intentionally left blank

1. GENERAL INFORMATION

This Stormwater Management Plan (SWMP) is being submitted on behalf of HPHR Properties, LLC. for the proposed grading of the Corvallis development site located in the northeastern area of Fountain, Colorado. The entire three phases of the proposed development will include construction of a single-family residential, school site, & future commercial development with typical associated infrastructure. Improvements of Marksheffel Road are included as part of the project site. The purpose of this SWMP is to identify potential source areas that may contribute pollutants to stormwater and to identify Best Management Practices (BMP)s that will reduce or eliminate adverse water quality impacts associated with Filing No. 1 of the project area. Development, implementation, and maintenance of this SWMP will provide the general contractor with the framework for reducing soil erosion and minimizing pollutants in stormwater during construction of the project site.

This SWMP has been prepared in accordance with engineering, hydrologic and pollution control practices and will cover this facility only (the extents of the Project Area) using BMPs to reduce the pollutants in stormwater discharges as described in Section 2 of this SWMP. The SWMP will be administrated by the Qualified Stormwater Manager identified in Section 1.3. The Qualified Stormwater Manager's duties include the following:

- Implement the SWMP
- Oversee installation and maintenance of BMPs as identified in the SWMP
- Implement and oversee employee training
- Conduct or provide for inspection and monitoring activities
- Identify potential pollutant sources and make sure they are included in the SWMP
- Identify any deficiencies in the SWMP and make sure they are corrected
- Ensure that any changes in construction plans, phasing, or use of BMP's are addressed in the SWMP

The provisions of this SWMP must be implemented as they are written and updated, from the initiation of construction until final stabilization is complete. The Water Quality Control Division reserves the right to review the SWMP, and to require the permittee to develop and implement additional measures to prevent and control pollution as is needed.

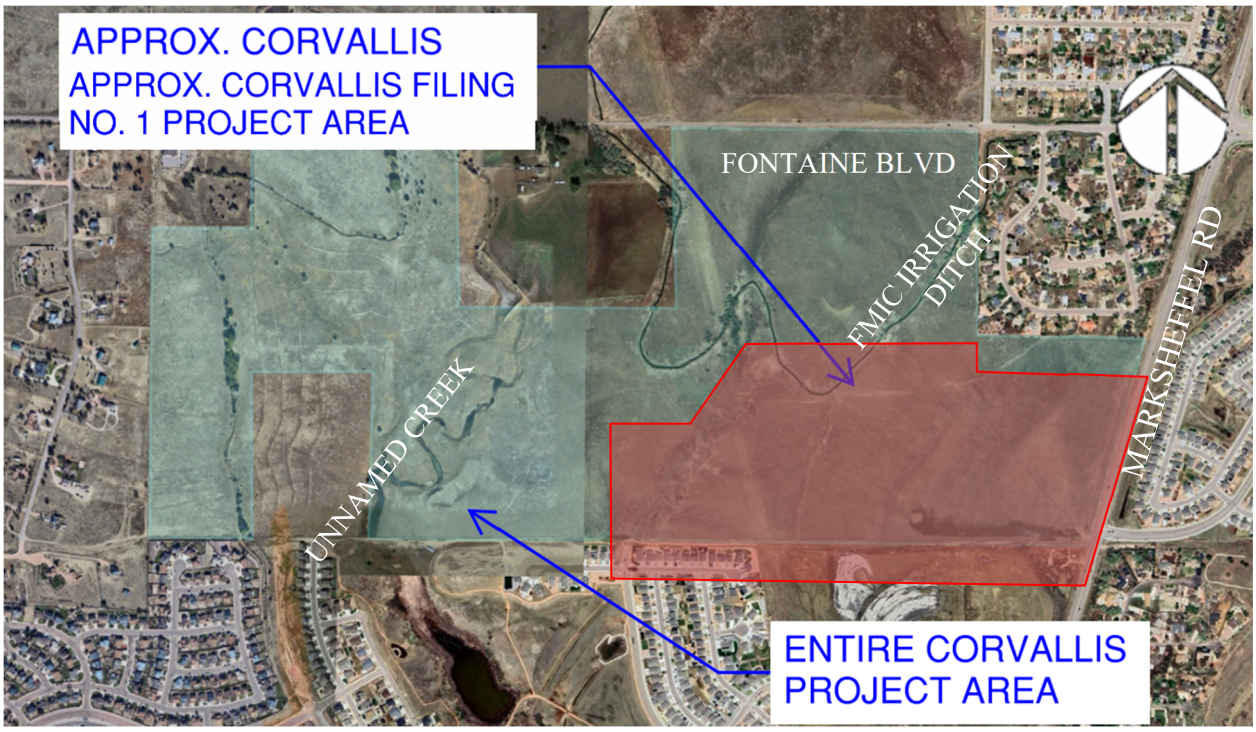
1.1 Site Description

The proposed Corvallis Filing No. 1 project is located on the southwest side of the intersection of Marksheffel Road and Fontaine Boulevard. The site is bound by Fontaine Boulevard to the north, Marksheffel Road to the east, Peaceful Valley Estates to the West, and the Glen at Widefield Subdivisions to the south. Additionally, the Cottonwood Grove Filing No. 1 subdivision shares the northeast corner. Coordinates for the development area are as follows:

- Latitude: 38.733515°N
- Longitude: -104.658141" W

The site has historically been undeveloped and used as grazing for livestock. No construction activity is currently taking place at the site. See the attached GEC drawings for adjacent parcel ownership information. Existing vegetation onsite consists of primarily native grasses with sparse trees and shrubs.

Exhibit 1.1 Site Location



1.2 Project Contact Information

Contact Information/Responsible Parties			
Owner	HPHR Properties, LLC. Ed Houle 2360 Margaux Valley Way, Colorado Springs, CO 80921		
Project Manager/Site Supervisor			
Qualified Stormwater Manager			
SWMP Preparer	Luke Bonner, PE Matrix Design Group 2435 Research Pkwy Suite 300 Colorado Springs, CO 80920	719-575-0100	Luke.Bonner@matrixdesigngroup.com

1.3 Disturbance Area and Import/Export Volume

The following is the total site area and the expected area of disturbance. Any changes to the area of disturbance (current disturbance) must be updated as changes occur.

Entire Corvallis Project Area	**297.29 acres**	Date: 4/1/26
Filing No. 1 Project Area	**38.3 acres**	Date: 4/1/26
Initial Estimate of Disturbance Area	**56.1 acres**	Date: 4/1/26
Filing No. 1 Import/Export Volume Estimate	**~22,835+/- CY**	☒ Import ☐ Export
Updated Disturbance Area		Date:
Updated Disturbance Area		Date:
Updated Disturbance Area		Date:

1.4 Construction Activities

This SWMP has been prepared for site development activities including clearing and grubbing, overlot grading, road grading, utilities and infrastructure installation, temporary stabilization methods (BMPs), final grading, curb and gutter, paving, vertical construction, landscaping, and final stabilization.

1.5 Construction Sequencing and Phasing

Construction Schedule		Estimated Start Date	Estimated Completion Date
Anticipated Project Start Date		Aug 2026	
1.	Install Initial BMPs	Aug 2026	Aug 2026
2.	Clearing and Grubbing	Aug 2026	Aug 2026
3.	Temporary Stabilization BMPs	Aug 2026	Sept 2026
4.	Road Grading	Sept 2026	Sept 2026
5.	Site Grading	Sept 2026	Nov 2026
6.	Utility Installation	Sept 2026	Nov 2026
7.	Curb and Gutter	Nov 2026	Dec 2026
8.	Street Paving	Dec 2026	Mar 2027
9.	Vertical Construction	Mar 2027	May 2027
10.	Final Stabilization	Mar 2027	Aug 2027
11.	Removal of Temporary Control Measures	Sept 2027	Sept 2027
Anticipated Project End Date			Sept 2027

Construction Phase	Description and Conservation Measures
Install Initial BMPs	Silt Fencing (perimeter BMP) and perimeter control sediment control logs will be installed at designated locations (see Grading and Erosion Control Plan details) as outlined in Section 2. Vehicle tracking control will be installed at the entrance/exit to any disturbed areas as work progresses as outlined in Section 2. All construction traffic must enter/exit the site at approved construction access points. Sediment basins shall be installed prior to any land-disturbing activities that will rely on the basin for stormwater control (Section 2).
Clearing and Grubbing	Clearing and Grubbing of the site will be the initial construction phase. BMPs outlined in Section 2 will be used to control erosion and sediment runoff.
Temporary Stabilization BMPs	Temporary stabilization measures to control erosion and sediment runoff will be implemented as outlined in Section 2.
Site Grading	Erosion and sediment runoff during site grading will be controlled by BMPs outlined in Section 2.
Road Grading	Road grading will be completed using BMPs outlined in Section 2 to control erosion and sediment runoff.
Utility Installation	Following site grading, utility corridors will be constructed beginning with sewer and water and followed by storm sewer. Dry utilities will be

	constructed last. BMPs outlined in Section 2 will be used to control erosion and sediment runoff.
Curb and Gutter	Curb and Gutter will be installed following final road grading activities. BMPs outlined in Section 2 will be used to control erosion and sediment runoff.
Final Grading	Final grading will be completed following installation of curb and gutter at the site. BMPs outlined in Section 2 will be used to control erosion and sediment runoff.
Street Paving	The internal roadway for the duplex site and access areas will be paved following final site grading activities. BMPs outlined in Section 2 will be used to control erosion and sediment runoff.
Vertical Construction	BMPs outlined in Section 2 will be used to control erosion and sediment runoff prior to beginning vertical construction (**Initial Phase**). The **Interim Phase** of vertical construction includes foundation excavation and construction, construction of structural framing, exterior completion, and minor utility work. Inlet protection outlined in Section 2 should remain in place during the interim construction phase. Perimeter BMPs as outlined in Section 2 will remain in place. Temporary stabilization BMPs (Section 2) should be implemented on all disturbed areas that are not subject to active construction. The **Interim to Final Phase** of construction includes interior/exterior structure completion, concrete flatwork, and final lot grading activities. Inlet protection outlined in Section 2 should remain in place during this construction phase. Perimeter BMPs should be evaluated for effectiveness and maintained as needed. Temporary stabilization BMPs should be used on all disturbed areas not subject to active construction activities. Final site grading, cleanup, and landscaping is the **Final Phase** of vertical construction. In most cases, BMPs can be removed immediately prior to final grading, and landscaping activities. In areas where landscaping and hardscaping are not planned, BMPs should be maintained and temporary stabilization measures should remain in place. Sites should be monitored until stabilization requirements are met.
Final Stabilization and Removal of Temporary BMPs	Once construction activity ceases, the area shall be stabilized with permanent landscaping and/or seed and mulch as outlined in Section 2. Final stabilization is complete when all ground disturbing activities are complete and all disturbed areas have either a uniform vegetative cover with an individual plant density of 70% of pre-disturbance levels, permanent hardscaping or paving is in place, or an equivalent permanent alternative stabilization method is implemented. Once stabilization is complete, all temporary sediment and erosion control measures shall be removed.

1.6 Soils

The United States Department of Agriculture, Natural Resources Conservation Service (NRCS); Web Soil Survey of El Paso County Area, Colorado, published by the United States Department of Agriculture, dated October 2021, was utilized to investigate the existing general soil types within and surrounding the Project area. A soil map for this area is provided in the Attachments. Per the information given within the Soil Conservation Survey, the study area includes hydrologic soil groups B, C and D as described in the following table. Hydrologic group "A" is characterized by deep, well-drained coarse-grained soils with a rapid infiltration rate when thoroughly wet and having a low runoff potential. Group "D" typically has a clay layer at or near to the surface, or a very shallow depth to impervious bedrock and has a very slow infiltration rate and a high runoff potential.

Soil ID Number	Soil Type	Soil Description	Hydrologic Classification
30	Fort Collins loam, (0% to 3% slopes)	The Fort Collins series consists of very deep, well drained soils that formed in mixed eolian sediments and alluvium. Drainage and Permeability: The soils are moderately drained with moderate permeability. Runoff is moderate. (4% of project area)	B
52	Manzanst clay loam, (0% to 3% slopes)	The Manzanst series consists of very deep, well drained, slowly permeable soils on alluvial fans, plains, terraces, drainageways, and valley side slopes. They formed in fine textured alluvium and loess. Drainage and Permeability: The soils are well drained with slow permeability. Runoff is low. (1.8% of project area)	C
56	Nelson-Tassel fine sandy loams, (3% to 18% slopes)	Typically, Nelson soils have light brownish gray very friable granular A horizons, and light olive brown calcareous fine sandy loam Cca horizons over soft sedimentary beds. Drainage and Permeability: The soils are well drained with moderately rapid permeability. Runoff is low. (34.5% of project area)	B
59	Nunn clay loam, (0% to 3% slopes)	The Nunn series consists of very deep, well drained soils that formed in loess and mixed alluvium. Nunn soils are on terraces or alluvial fans, and in drainageways. Drainage and Permeability: The soils are well drained with negligible to very high runoff depending on slope; moderately slow or slow permeability (16.2% of project area)	C

Soil ID Number	Soil Type	Soil Description	Hydrologic Classification
86	Stoneham sandy loam, (3% to 8% slopes)	The Stoneham series consists of very deep, well drained soils that formed in tertiary pedisediments and mixed eolian material and alluvium or similar age materials. Stoneham soils are on hills and plains and alluvial fans. rainage and Permeability: These soils are well drained with high runoff and moderately high permeability (35.9% of project area)	B

All exposed soil throughout the Project site will be landscaped with permanent landscaping or seeded with a locally approved seed mix as described in Section 2.2.

1.7 Vegetation

The existing vegetation is sparse and consists mainly of native grasses. Based on site visits and a review of aerial photography, the current vegetative cover at the Project Area is visually estimated at approximately 95%.

1.8 Allowable Non-Stormwater Discharges

No non-stormwater discharge is expected within the Project Area, however, if groundwater is encountered during site grading activities, uncontaminated groundwater may be discharged onsite, but may not leave the site in the form of surface runoff. A concrete washout area will be completed at the site to support construction activities.

1.9 Receiving Waters

Ultimate Receiving Water(s): Jimmy Camp Creek

As part of the proposed development, surface flow within the development area will be directed to the south utilizing existing site topography and grass-lined swales to channel surface flow into a storm sewer conveyance system. Surface water will be collected at temporary sediment basins located throughout the site which will convey water to onsite extended detention basins (EDBs). From the detention facilities, surface water will be released at historic levels south of the property into an existing ditch which will then convey flows east to Marksheffel Road. Runoff collects in another ditch along the west side of the public roadway which ultimately conveys flows to the West Fork of Jimmy Camp Creek, located south of the development area.

1.10 Stream Crossings within the Project Area

No natural stream crossing are present within the Filing No. 1 construction of the Corvallis Subdivision.

An FMIC earthen ditch, located in the northern portion of the Corvallis property, is currently routed through the Project Area from west to east. A proposed 48" RCP storm sewer system has been designed to collect and convey flows from this ditch on the west side of the site to a junction point on the east side.

1.11 Pollution Sources

Pollutants that result from clearing, grading, maintenance, operations, and excavation have the potential to be present in stormwater runoff and are potential sources for stormwater contamination. The following is a description of potential source areas for pollutant that may be released during construction, maintenance, operation, and excavation activities:

Source Area:

1. Disturbed and stored soils, erosion.
2. Vehicle tracking of sediments.
3. Management of contaminated soils.
4. Loading and unloading operations.
5. Outdoor storage activities (erodible building materials, fertilizers, chemicals, etc.).
6. Vehicle and equipment maintenance, cleaning, and fueling operations.
7. Significant dust or particulate generation activities.
8. Routine maintenance activities involving fertilizers, pesticides, herbicides, detergents, fuels, solvents, etc.
9. Onsite waste management practices (waste piles, liquid wastes, dumpsters, chemical containers etc.).
10. Concrete truck/equipment washing
11. Dedicated asphalt, concrete batch plants and masonry mixing stations
12. Non-industrial waste sources (trash, portable toilets)

The following pollutants may impact stormwater runoff for each of the source areas listed above.

Potential Pollutant	Chemical/Physical Description	Stormwater Impacts	Potential Source Area (listed above)
Pesticides (insecticides, fungicides, herbicides, rodenticides)	Various colored to colorless liquid, powder, pellets, or grains	Chlorinated hydrocarbons, organophosphates, carbamates, arsenic	3, 4, 5, 8, 9
Fertilizer	Liquid or solid grains	Nitrogen, phosphorous	3, 4, 5, 8, 9
Cleaning solvents	Colorless, blue, or yellow-green liquid	Perchloroethylene, methylene chloride, trichloroethylene, petroleum distillates	3, 4, 5, 6, 8, 9, 10, 11, 12
Concrete	White solid	Limestone, sand	3, 5, 9, 10, 11

Paints	Various colored liquid	Metal oxides, stoddard solvent, talc, calcium carbonate, arsenic	3, 5, 6, 9
Wood preservatives	Clear amber or dark brown liquid	Stoddard solvent, petroleum distillates, arsenic, copper, chromium	3, 5, 8
Hydraulic oil/fluids	Brown oily petroleum hydrocarbon	Mineral oil	3, 4, 5, 6, 8, 9, 11
Gasoline	Colorless, pale brown or pink petroleum hydrocarbon	Benzene, ethyl benzene, toluene, xylene, MTBE	2, 3, 4, 5, 6, 8, 9, 10
Diesel Fuel	Clear, blue-green to yellow liquid	Petroleum distillate, oil & grease, naphthalene, xylenes	2, 3, 4, 5, 6, 8, 9, 10
Kerosene	Pale yellow liquid petroleum hydrocarbon	Coal oil, petroleum distillates	5, 6, 8, 9
Antifreeze/coolant	Clear green/yellow liquid	Ethylene glycol, propylene glycol, heavy metals (copper, lead, zinc)	2, 3, 4, 5, 6, 8, 9, 10
Particulates	Dust, airborne particulates	Sediment	1, 2, 4, 5, 6, 10, 11
Biological	Human/animal waste	Bacterial	12

The largest possible sources of non-stormwater pollution will be from trucks during equipment maintenance and refueling operations. The contractor shall be responsible for any spill cleanup during refueling operations in accordance with applicable city, county and state regulations. The contractor will also be responsible for cleanup of any off-site vehicle tracking on paved roads. Other sources of pollution such as vehicle washing, chemical storage or waste disposal are not anticipated. No recognized environmental conditions (REC) have been identified within Project site.

1.12 Spill Prevention and Response Plan

Discharges of toxic or hazardous substances from spills or other releases are prohibited. Where a leak, spill, or other release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity occurs during a 24-hour period, site personnel shall reference the Spill Prevention & Response Plan. The Spill Prevention and Response Plan shall be developed & implemented by the General Contractor in accordance with the Oil Pollution Prevention Regulation at Title 40 of the Code of Federal Regulations, Part 112, (40 CFR 112), & is designed to outline requirements for the handling and management of hazardous substances (pesticides, herbicides, fuels, cleaners, etc.) stored or used at the Project area. The summary below contains important considerations for the development of this plan.

Materials Management and Handling

- Chemicals that have the potential to be released in stormwater are to be used only where necessary and in a manner consistent with industry-standard uses and handling procedures.
- Ensure all hazardous materials are properly labeled.
- Store, dispense, and/or use hazardous substances in a way that prevents releases.
- Provide secondary containment when storing hazardous substances in bulk quantities (greater than 55-gallons).
- Maintain good housekeeping practices for chemicals stored onsite.
- Complete routine checks of hazardous substance storage areas.
- Provide monthly inspections of hazardous substance storage areas, secondary containment, and above ground and/or underground storage tanks.

Spill Containment and Reporting

A release of any chemical, oil, petroleum product, sewage, etc. that has the potential to enter surface water, groundwater, dry gullies, or storm sewers leading to surface water must be reported to the CDPHE immediately (25-8-601 CRS). When a spill is identified, the proper spill response should be implemented:

1. Assess the area for any immediate dangers or health and safety concerns. If any immediate dangers are present, call 911.
2. Contain any spilled materials. Assess the size of the leak and immediate threat of the spill reaching storm drains or permeable surfaces. If there is an immediate threat and no safety concerns, attempt to block the spill from reaching storm drains or other impermeable surfaces.
3. Stop the source of the spill if possible.
4. Cleanup spill in a timely manner. Use adsorbent materials (cat litter) and/or sock booms or rags to clean up the spill. Dispose of used materials appropriately.
5. Report and record spills to Qualified Stormwater Manager. Once the spill has been contained and any immediate threat to storm drains or permeable surfaces has been minimized, contact the Qualified Stormwater Manager. If necessary, a specialized cleanup contractor should be used to clean up the remaining contamination.
6. Follow applicable Colorado Discharge Permit System (CDPS) terms and conditions regarding spill reporting and response.
7. Report spills to the Colorado Department of Public Health and Environment (CDPHE). For non-permitted activities or in the case of an activity where a permit does not address reporting of or response to a spill which may cause pollution of surface or subsurface waters of the State, notify the Environmental Release and Incident Reporting Line within 24 hours at (**877) 518-5608**. Reporting should include:

    a. Name of responsible person or name of Qualified Stormwater Manager
    b. An estimate of the date and time of the release
    c. The location of the spill and its source (saddle tank, manhole, storage container, etc.),
    d. The type of material spilled (untreated wastewater, petroleum products, etc.)
    e. The estimated volume of the spill

f. The time and date the spill was controlled or stopped
g. If the spill is ongoing, the estimated rate of flow and when the spill is expected to be controlled/contained
h. Measures being taken to contain, reduce, and/or clean the spill
i. A list of potentially impacted areas and known downstream water uses that will be or have been notified
j. The phone number and email of the Qualified Stormwater Manager.

8. Any accidental discharge to the sanitary sewer system must be reported immediately to the local sewer authority and the affected wastewater treatment plant.
9. Written notification following a reportable spill shall be submitted to the CDPHE within five days (5 CCR 1002-31, Section 61.8(5)(d)).

2. BEST MANAGEMENT PRACTICES

Best Management Practices (BMP's) encompass a wide range of erosion and sediment control practices, both structural and non-structural in nature, that are intended to reduce or eliminate any possible water quality impacts from stormwater leaving a construction site. The individual BMP's appropriate for a particular construction site are largely dependent on the types of potential pollutant sources present, the nature of the construction activity, and specific-site conditions.

Most of the BMP's referenced herein are widely used in the construction industry. They generally involve a simple and low-cost approach and can be very effective *when properly installed and maintained.* To prevent soil from washing into the public right-of way or the undisturbed areas of the site, the following is a discussion of BMPs and an indication of which BMPs are expected to be implemented as part of this Project.

BMPs for all slopes, channels, ditches, or any disturbed land area shall be completed immediately after grading or earth disturbance has occurred. All temporary soil erosion control measures and BMP's shall be maintained until site reaches final stabilization and permanent soil erosion control measures are implemented.

The Stormwater Manager may modify the planned BMPs based on construction sequencing, site conditions, and/or other factors. The SWMP should be modified by field notes including dates of modifications and the purpose of the modification. The Grading and Erosion Control Plan should reflect what has been constructed or modified onsite. The Stormwater Manager will be responsible for documenting BMP's (including phasing of BMP implementation).

2.1 Structural BMPs

Structural BMPs are used to minimize erosion and sediment transport and include but are not limited to: silt fencing, erosion control blankets, turf reinforcement mat, wattles/sediment control logs, earth dikes, drainage swales, sediment traps, gravel inlet protection, inlet/outlet protection, straw bales, concrete washout areas, and temporary or permanent sediment basins. Structural BMPs shall be coordinated with construction activities so the BMP is in place before construction begins. The structural BMPs outlined

below are general definitions and guidelines. Project-specific specifications for selected BMPs are detailed in the Grading and Erosion Control Drawings included in the Attachments.

- *Silt Fencing*: A silt fence is a structural sediment control device that typically consists of a geotextile fabric attached to wooden stakes inserted into a ground trench and rising to a vertical height of approximately 18-inches. The silt fence is generally used as perimeter sediment control and as a primary containment around storage areas, staging areas, stockpiles, etc.

  Used for this project? ☒ Yes ☐ No

  Application notes: Temporary perimeter controls (e.g. silt fences) will be installed *before* any land disturbance including clearing and grading begins. The use of rebar, steel stakes, or steel fence posts to anchor silt fencing is prohibited. Once the site is developed, the underground detention system is completed, and unpaved disturbed areas are 70% established with vegetation or permanent landscaping, the silt fences around the Project site can be removed.

- *Erosion Control Blanket*: An erosion control blanket (ECB), also known as a rolled erosion control product (RECP), is a rolled-fiber product typically made up of straw, coconut, or synthetic fibers that are used to prevent scour erosion, stabilize slopes, and to aid revegetation by providing a protective layer over seeded areas. Turf reinforcement mats are similar to ECBs and are made to withstand greater stress such as traffic, extended life, or continuous and frequent water flow. ECBs are available in both biodegradable and photodegradable varieties.

  Used for this project? ☒ Yes ☐ No

  Application Notes: Exposed slopes greater than 4:1 will be temporarily mulched and seeded and protected with ECBs.

- *Sediment Control Logs*: SCLs are log-shaped, rolled straw products encased in a polypropylene monofilament filter fabric. SCLs are used for sediment control usually at the perimeter of a disturbance or as a channel check in low flow areas. SCLs can also be used for slope length reduction.

  Used for this project? ☒ Yes ☐ No

  Application Notes: SCLs that at as perimeter control shall be installed prior to any upgradient land disturbance.

- *Inlet Protection*: Storm sewer inlet protection is typically comprised of 1.5-inch angular rock (gravel) wrapped in a chicken wire mesh to form an approximate 6-inch diameter roll in varying lengths. The gravel roll should be firmly secured in front of the inlet opening with a spacing device to prevent the roll from entering the inlet. A sufficiently-sized overflow opening should be left to prevent flooding during high surface water flow volumes. The basic design applies to curb and drop-style inlets. Over-excavation inlet protection is primarily applicable for sites that have not yet

reached final grade and should only be used for inlets with a relatively small contributing drainage area.

Used for this project? ☒ Yes ☐ No

Application Notes: Inlet protection measures shall be installed *before* clearing and grading is initiated. This form of inlet protection should be used only for inlets with a relatively small contributing drainage area.

- *Inlet/Outlet Protection*: Inlet/outlet protection can be composed of 4- to 6-inch rock (rip-rap) underlain with geotextile fabric placed at the outlet or inlet of a drainage pipe, culvert, or other areas where high surface water flow may be encountered. Geotextile socks filled with gravel or haybales may also be used as a temporary inlet/outlet protection BMP. This BMP is used to reduce erosion sediment transport by reducing flow velocity.

Used for this project? ☒ Yes ☐ No

Application Notes: Inlet protection measures shall be installed *before* clearing and grading is initiated. This form of inlet protection should be used only for inlets with a relatively small contributing drainage area.

- *Check Dams*: A check dam is a small, sometimes temporary, grade control mechanism constructed across a swale, drainage ditch, or waterway to counteract erosion by reducing water flow velocities.

Used for this project? ☒ Yes ☐ No

Application Notes: Rip-rap will line the designed drainage swales and will decrease water flow velocity in steep areas.

- *Drainage Swales*: Swales can be permanent or temporary and are typically designed to control storm water runoff in a non-erosive manner to a destination such as a detention pond or other stormwater collection facility. Swales can also be designed with velocity control devices and can be made of concrete or lined with materials such as rock or grass.

Used for this project? ☒ Yes ☐ No

Application Notes: Drainage swales directing surface water flow towards the south are located on the eastern and western edges of the development area. The drainage swales empty into temporary sediment basins and, ultimately, to the southwest corner of the site.

- *Sediment/Detention Basins*: Sediment/Detention basins are designed according to project size and runoff volume and are used for flood control and to aid in temporary retention of runoff to aid in sediment deposition. A release point for runoff water is typically present and consists of an emergency overflow or regulating structure.

Used for this project? ☒ Yes ☐ No

Application Notes: Temporary sediment basins are proposed to collect and treat disturbed area during construction activities. The basins will be designed to release surface water runoff at historical rates where the flow will ultimately be conveyed to Jimmy Camp Creek.

- *Vehicle Tracking Control*: VTC is used to limit off-site tracking of sediment from disturbed or unpaved areas to paved areas. VTC can include: TRM or mud mats installed at the point of access from unpaved areas (used when traffic is limited or light), a 1.5-inch diameter rock gravel access pad combined with pavement sweeping (used when traffic is limited or light), or a 3+-inch rock with geotextile underlayment combined with street sweeping (used for heavy construction traffic or at the main access point to a development site).

Used for this project? ☒ Yes ☐ No

Application Notes: VTC Entrances to disturbed areas will be constructed *before* clearing and grading begins.

- *Stabilized Staging Area*: A staging area for equipment and material storage, parking, and loading/unloading operations should be sized appropriately for the needs of the site and should be constructed prior to the onset of construction activities. Site stabilization may include structural BMPs (e.g. perimeter fencing, gravel laydown, VTC) and housekeeping BMPs and should be maintained appropriately.

Used for this project? ☒ Yes ☐ No

Application Notes: A stabilized staging area will be constructed prior to other operations for parking, construction trailers, portable toilet facilities, storage, and construction equipment.

2.2 Non-Structural BMPs

Non-structural BMPs are implemented at the site to minimize erosion and sediment transport and may include temporary or permanent vegetation, mulching, landscaping, geotextiles, sod stabilization, surface roughening, vegetative buffer strips (VBS), and protection/preservation of trees and other mature vegetation. The non-structural BMPs outlined below are general definitions and guidelines. Project-specific specifications for selected BMPs are detailed in the SWMP Drawings included in the Attachments.

- *Temporary and permanent seeding*: Seeding of disturbed areas provides soil stabilization and helps prevent erosion and sediment transport. Seeding is usually performed by ripping the area, spreading the appropriate seed mix, and applying straw mulch at a rate of two tons per acre over the seeded area. In some cases, a tackifier may be used to anchor the straw mulch. Managing and applying the proper seed mix and following the specified maintenance procedures are very important in promoting timely growth of grasses while minimizing weed growth. This BMP is effective on slopes up to 4:1 and where soil conditions are adequate.

Used for this project? ☒ Yes ☐ No

Application Notes: A seed mixture developed for elevations between 3,000 and 8,000 feet will provide natural cover under dryland conditions. The seed mix will contain both cool and warm seasonal grasses adapted to the Western Great Plains and Southwest region. Temporary seeding will be completed in disturbed areas as indicated in the attached Grading and Erosion Control Plan following initial grading activities to stabilize the site prior to final site completion and permanent landscaping. Seeding on slopes greater than 4:1 will be protected by ECBs.

- *Mulching*: A layer of suitable mulch is typically applied at a rate of two tons per acre and can be tacked or fastened by an approved method suitable for the type of mulch used. Rough cut streets can be mulched in lieu of a layer of aggregate road base or asphalt paving. Seeding shall be placed in areas designated as being in an interim state.

Used for this project? ☒ Yes ☐ No

Application Notes: A temporary layer of suitable mulch shall be applied at a rate of two tons per acre to all disturbed portions of the site within 21 days of the completion of grading. If the area is to remain in an interim sate for more than 60 days, seeding BMPs shall be used. Mulch can be used in areas of rough cut streets unless a layer of road base or asphalt paving is planned within 21 days.

- *Landscaping*: Landscaping includes rock, mulch, sod, trees, bushes, geofabrics, hardscaping, etc. as identified in the final stabilization specifications. Landscaping may be done by the developer or by the property owner.

Used for this project? ☒ Yes ☐ No

Application Notes: Permanent landscaping per landscape architectural designs will be completed following vertical construction during or after the final phase of vertical site construction. BMPs can be removed immediately prior to permanent landscaping activities.

- *Surface Roughening*: Surface roughening is the mechanical breaking up of soils as a short-term method of temporary stabilization in areas where temporary seeding is not practical or in areas where active construction is ongoing. Surface roughening is achieved through ripping or tilling the surface to increase surface area and infiltration.

Used for this project? ☒ Yes ☐ No

Application Notes: Surface roughening using scarifying methods such as disking or dragging bucket teeth over areas of disturbed soils parallel to slope contours may be used in areas where temporary seeding is not practical.

2.3 Housekeeping BMPs

Housekeeping BMPs are maintenance practices implemented to keep the site clean, reduce potential chemical or biological exposures, and to minimize the tracking of soils to hard surfaces and airborne

particles. Maintenance BMPs include street sweeping, dust suppression techniques, spill prevention and response (Section 1.13), waste management and disposal, and materials handling and management (Section 1.14). Project-specific specifications for selected BMPs are detailed in the SWMP Drawings included in the Attachments.

- *Street Sweeping*: Street sweeping is the practice of removing soil clumps, scraping packed dirt/mud, and sweeping loose soils tracked onto paved surfaces to prevent sediment transport in runoff water. Materials removed as part of this BMP should be deposited in an area contained by perimeter BMPs or disposed offsite.

  Used for this project? ☒ Yes ☐ No

  Application Notes: Street sweeping methods will be employed in areas of ingress/egress from paved areas to the construction site. Vehicle tracking of soils and construction debris off-site shall be minimized. Materials tracked offsite shall be cleaned up and properly disposed immediately. The owner, site developer, contractor, and their agents shall be responsible for the removal of dirt, rock, construction debris, trash, sediment, and sand that accumulates in public right of ways, storm sewers, or other drainage conveyance system and stormwater appurtenances.

- *Stockpile Protection Plan*: Management of onsite soil stockpiles will be in accordance with a Stockpile Protection Plan. Structural BMPs (e.g. silt fencing, ECBs, SCLs) and non-structural BMPs (e.g. surface roughening, temporary seeding and mulching, soil binders) may be used for stockpile stabilization and to prevent erosion and sediment transport at the piles. Consideration for determining the appropriate type of perimeter control includes stockpile location, the relative heights of the perimeter control and stockpile, the ability of the perimeter control to contain the stockpile without failing in the event the stockpile shifts or slumps against the perimeter, and other factors. Perimeter controls must remain in place and routine maintenance must be performed including routine inspections to maintain effective operating condition of each BMP.

  Used for this project? ☒ Yes ☐ No

  Application Notes: At this time, soil stockpiles are not expected to be onsite for more than 14 days. If long-term storage of soils is necessary, perimeter controls (e.g. silt fencing, sediment control logs) and surface stabilization (e.g. surface roughening, erosion control blankets) shall be in place for soil stockpiles. Stockpiles that will remain onsite for longer than 60 days should be seeded and mulched within 14 of placing the stockpile.

- *Dust Suppression*: Dust suppression BMPs are typically used to minimize the transport of fine particles through the air. Dust suppression techniques may include keeping the site wet using water trucks or other wetting methods or covering of loose soils in disturbance areas. During periods of high wind, the following activities should be monitored: limited street sweeping, restriction of major grading activities, restriction of soil stockpiling, controlling vehicular speed.

  Used for this project? ☒ Yes ☐ No

Application Notes: A water source shall be available onsite during earthwork operations and utilized as required to minimize dust from earth working operations and wind.

- *Load Covering*: Trucks or other vehicles carrying cut or fill materials to or from the site should be covered to prevent accidental loss of material during transport onto public right of ways

Used for this project? ☒ Yes ☐ No

Application Notes: Loads of cut and fill must be properly covered.

- *Site Waste Management and Disposal*: Construction waste disposal and trash generated by onsite personnel should be collected in dumpsters or similar trash containers and emptied on a regular basis. Construction waste and trash should be kept in a secure area (the stabilized staging area) and lidded if required to avoid accidental spreading of waste. Trash containers should be kept on permeable surfaces within perimeter BMPs. Loose trash should be collected daily and disposal services should be on a regular schedule to avoid overfilling of containers. Hazardous materials may not be disposed in trash containers and no waste materials should be buried onsite.

Used for this project? ☒ Yes ☐ No

Application Notes: Trash at the site will be cleared daily and kept in secured and/or covered receptacles. Waste disposal will be managed through a licensed contractor.

- *Portable Toilet Facilities*: A proper amount of portable toilets should be located within the stabilized staging area at the Project Site and should be kept within the perimeter BMPs on permeable surfaces. Portable toilets should be anchored to prevent tipping and should be at least five feet behind curbs and at least 50 feet from any storm sewer inlets. Toilets should also be kept away from preferential flow pathways and from all water bodies. Regularly scheduled maintenance should be in place to empty and clean the receptacles to prevent overflow and waste collecting.

Used for this project? ☒ Yes ☐ No

Application Notes: Portable toilets will be provided and maintained through a private contractor.

- *Concrete Washout*: Concrete washout areas typically consist of an unlined pit in the ground with a vehicle tracking control (VTC) entrance and are designed to capture and contain concrete washout water. In areas with a high groundwater table, poly-lined pits or a portable waste bin may be used. Pits should be placed to minimize the potential for pollutant discharge. Washout basin deposits (hardened concrete waste) should be removed and properly disposed offsite as solid waste on a regular basis after liquids have evaporated.

Used for this project? ☒ Yes ☐ No

Application Notes: A concrete washout area will be constructed to support development activities.

3. FINAL STABILIZATION AND LONG-TERM STORMWATER MANAGEMENT

Following initial site grading activities, if needed, disturbed areas will be temporarily seeded as an interim measure before paving and vertical construction begins. Final stabilization and long-term stormwater management will begin following completion of paving/hardscaping, vertical construction, and permanent landscaping activities. Once stabilization is complete and permanent BMPs are in place, all temporary sediment and erosion control measures shall be removed.

3.1 Inspection and Maintenance

Visual inspections of all cleared and graded areas of the construction site will be performed on a minimum occurrence of once per week and/or within 24 hours of the end of any precipitation or snowmelt event that causes surface erosion. The inspection will be the responsibility of the Qualified Stormwater Manager. An inspection report form has been provided in the Attachments. The inspection will verify that the structural BMPs described in Section 2.1 of this SWMP are functioning properly, in good condition, up to date and continue to minimize erosion. The inspection will also verify that the procedures used to prevent stormwater contamination from construction materials and petroleum products are effective. The following inspection and maintenance practices will be used to maintain erosion and sediment controls:

- Accumulated sediment and debris shall be removed from a BMP when the sediment/debris level reaches one half the height of the BMP or at any time that sediment or debris adversely impacts the functioning BMP.
- Built up sediment will be removed from silt fencing when it has reached one-third the height of the fence.
- Silt fences will be inspected for depth of sediment, for tears, to see if the fabric is securely attached to the fence posts, and to see that the fence posts are firmly in the ground.
- Sediment basins will be inspected for depth of sediment and built up sediment will be removed when it reaches 1 foot in depth.
- Temporary and permanent seeding will be inspected and noted for bare spots, washouts, and healthy growth.
- The stabilized construction entrances will be inspected for sediment tracked on the road, for clean gravel, and to make sure that all traffic uses the stabilized entrance when leaving the site.
- The maintenance inspection report will be made after each inspection. A copy of the report form to be completed by the Qualified Stormwater Manager is provided in the Attachments.

Completed forms will be maintained on-site during the entire construction project. Following construction and the expiration or inactivation of the permit, the completed forms will be retained at the general contractor's office for a minimum of 3 years.

- If construction activities or design modifications are made to the site plan which could impact stormwater, this SWMP will be amended appropriately. The amended SWMP will have a description of the new activities that contribute to the increased pollutant loading and the planned source control activities.

3.2 Self Inspection

The purpose of these inspections is to ensure that all Control Measures are installed according to the approved plans, appropriate as to the intended use, operating effectively, and being properly maintained. The GEC Administrator must be qualified according to Chapter 2, Section 5.0 of the City of Colorado Springs Stormwater Construction Manual.

The GEC Administrator shall, at a minimum, make a thorough inspection at least once every 14 calendar days. Also, post-storm event inspections must be conducted within 24 hours following the end of any precipitation or snowmelt event that causes surface erosion. Provided the timing is appropriate, the post-storm inspections may be used to fulfill the 14-day routine inspection requirement. Alternatively, the GEC Administrator may choose to perform self-inspections every 7 calendar days and forego post-storm event inspections. The self inspection schedule must be identified in the GEC Administrator's most recent self-inspection. A more frequent inspection schedule than the minimum described may be necessary to ensure that Control Measures continue to operate as needed to comply with the GEC Plan. Site conditions such as steep grades and close proximity to a state water are reasons for increasing the frequency of self-inspections.

The GEC Administrator shall keep documentation of self-inspections available either physically or electronically at the construction site at all times throughout the duration of the project. GEC Inspectors will review self-inspections during City compliance inspections.

For sites or portions of sites where construction activities have been completed and final stabilization measures installed but final stabilization has not yet been achieved, the GEC Administrator shall make a thorough inspection of their Control Measures at least once every month. Post-storm event inspections must be conducted within 72 hours following the end of any precipitation or snowmelt event that causes surface erosion. The GEC Plan must be amended to indicate those areas where construction activities have been completed but final stabilization has not yet been achieved that will be inspected once a month. When site conditions make the schedule required in this section impractical, the permittee may petition the City to grant an alternate inspection schedule. The alternative inspection schedule may not be implemented prior to written approval by the City and incorporation into the SWMP. The Permittee is responsible to confirm that the frequency of inspections is sufficient to ensure that Control Measures remain in good working condition at all times.

3.3 BMP Replacement and Failed BMPs

At a minimum, the contractor shall inspect and keep a log of all BMPs on a weekly basis and after a significant precipitation event. BMPs should be assessed by a qualified inspector to determine if new or replacement BMPs are necessary. Where BMPs have failed, the failure must be addressed as soon as

possible to minimize discharge of additional pollutants. As new BMPs are installed and/or replaced, this SWMP should be updated to reflect the change(s).

3.4 Qualified Inspectors

The Qualified stormwater manager will be sufficiently qualified for the required duties per the ECM Appendix I.5.2.A. Qualified inspectors should be knowledgeable in the principals and practices of erosion and sediment control and should have a good working knowledge of the regulation and BMPs included in this SWMP. Inspectors should also be able to anticipate site conditions and assess BMP functionality that could impact stormwater runoff.

3.5 Additional SWMP and BMP Practices

An employee training program should be developed and implemented to educate employees about the requirements of the SWMP. This education program will include background on the components and goals of the SWMP and hands-on training in erosion controls, spill prevention and response, good housekeeping, proper material handling, disposal and control of waste, equipment fueling, and proper storage, washing, and inspection procedures.

The SWMP should be viewed as a "living document" that is continuously being reviewed and modified as a part of the overall process of evaluating and managing stormwater quality issues at the site. The qualified stormwater manager shall amend the SWMP when there is a change in design, construction, O&M of the site which would require the implementation of new or revised BMPs or if the SWMP proves to be ineffective in achieving the general objectives of controlling pollutants in stormwater discharges associated with construction activity or when BMPs are no longer necessary and are removed.

This plan was prepared in accordance with the CDPS General Permit. A copy of this permit is provided in the Attachments.

Attachments

SWMP Plans

CORVALLIS FILING NO. 1

CITY OF FOUNTAIN

GRADING AND EROSION CONTROL PLANS

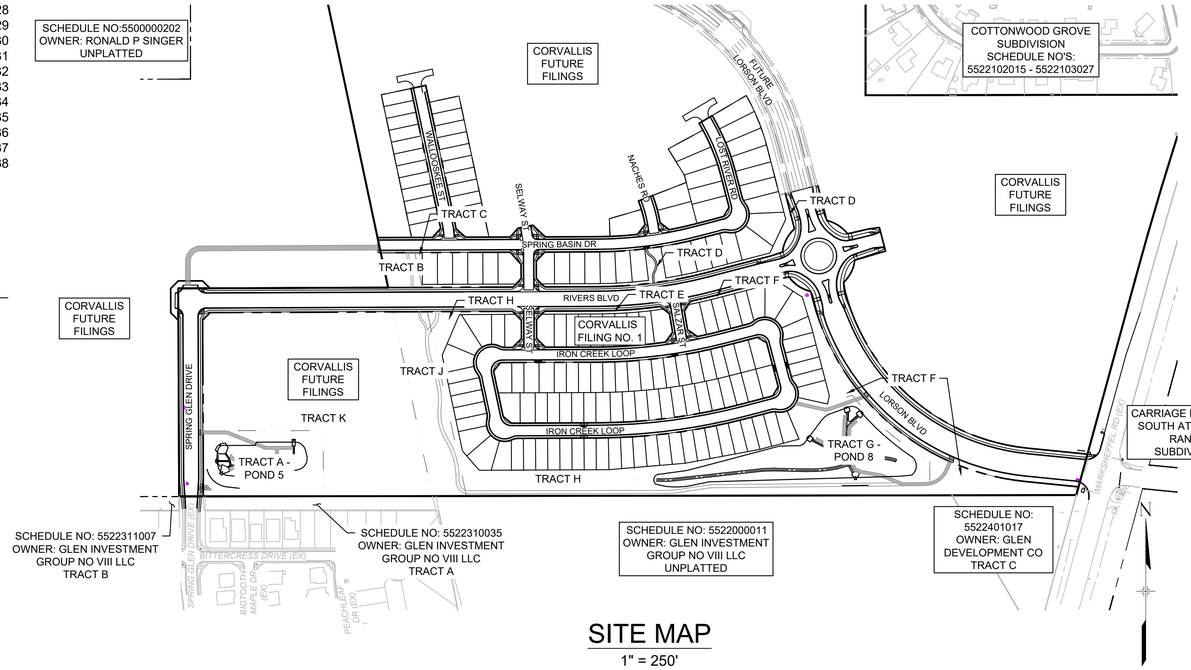
APRIL 2026

GRADING & EROSION CONTROL PLAN SHEET INDEX

PLAN SET NAME	SHEET No.
GRADING AND EROSION CONTROL COVER SHEET	13
GRADING AND EROSION CONTROL GENERAL NOTES	14
GRADING AND EROSION CONTROL GENERAL NOTES	15
GRADING PLANS - TYPICAL LOT GRADING	16
GRADING AND EROSION CONTROL KEY MAP	17
GRADING PLANS	18
GRADING PLANS	19
GRADING PLANS	20
GRADING PLANS	21
GRADING PLANS	22
FMIC CORRIDOR GRADING PLANS	23
INITIAL EROSION CONTROL PLANS	24
INITIAL EROSION CONTROL PLANS	25
INITIAL EROSION CONTROL PLANS	26
INITIAL EROSION CONTROL PLANS	27
INITIAL EROSION CONTROL PLANS	28
INITIAL EROSION CONTROL PLANS	29
INTERIM & FINAL EROSION CONTROL PLANS	30
INTERIM & FINAL EROSION CONTROL PLANS	31
INTERIM & FINAL EROSION CONTROL PLANS	32
INTERIM & FINAL EROSION CONTROL PLANS	33
INTERIM & FINAL EROSION CONTROL PLANS	34
INTERIM & FINAL EROSION CONTROL PLANS	35
GRADING AND EROSION CONTROL DETAILS	36
GRADING AND EROSION CONTROL DETAILS	37
GRADING AND EROSION CONTROL DETAILS	38

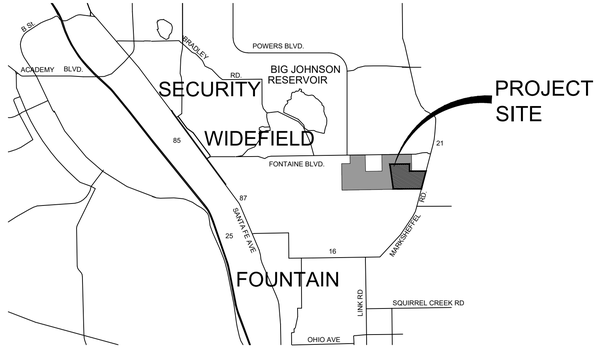
AGENCY CONTACTS

OWNER/DEVELOPER	HPHR PROPERTIES, LLC. 2360 MARGAUX VALLEY WAY COLORADO SPRINGS, CO 80921 ED HOULE
CIVIL ENGINEER	MATRIX DESIGN GROUP 2435 RESEARCH PARKWAY, SUITE 300 COLORADO SPRINGS, CO 80920 LUKE BONNER, (719)-575-0100
WATER & SANITARY SEWER	WIDEFIELD WATER AND SANITATION DISTRICT 8495 FONTAINE BOULEVARD COLORADO SPRINGS, CO 80925 ROBERT BANNISTER, (719) 390-7111
ELECTRIC	CITY OF FOUNTAIN ELECTRIC DEPARTMENT 6745 SOUTHMOOR DRIVE FOUNTAIN, CO 80817 (719) 322-2000
GAS	BLACK HILLS ENERGY 105 S VICTORIA AVENUE PUEBLO, CO 81003 (800) 303-0752
ENGINEERING DIVISION	CITY OF FOUNTAIN 116 SOUTH MAIN STREET FOUNTAIN, CO 80817 (719) 322-2000
DEVELOPMENT SERVICES	CITY OF FOUNTAIN 116 SOUTH MAIN STREET FOUNTAIN, CO 80817 (719) 322-2000
FIRE DEPARTMENT	FOUNTAIN FIRE DEPARTMENT 116 SOUTH MAIN STREET FOUNTAIN, CO 80911 (719) 392-7121



SITE MAP

1" = 250'



VICINITY MAP

N.T.S.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

811 Know what's **below.** **Call** before you dig.

DEVELOPER/OWNER STATEMENT:

THE OWNER WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN INCLUDING TEMPORARY CONTROL MEASURE INSPECTION REQUIREMENTS AND FINAL STABILIZATION REQUIREMENTS, ACCORDING TO THE CITY OF COLORADO SPRINGS STORMWATER CONSTRUCTION MANUAL. I ACKNOWLEDGE THE RESPONSIBILITY TO DETERMINE WHETHER THE CONSTRUCTION ACTIVITIES ON THESE PLANS REQUIRE COLORADO DISCHARGE PERMIT SYSTEM (CDPS) PERMITTING FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY

DEVELOPER/OWNER SIGNATURE: _____ DATE: _____

NAME OF DEVELOPER/OWNER: _____ DATE: _____

DBA: _____ PHONE: _____

TITLE: _____ EMAIL: _____

ADDRESS: _____ FAX: _____

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. IF SUCH WORK IS PERFORMED IN ACCORDANCE WITH THE GRADING AND EROSION CONTROL PLAN, THE WORK WILL NOT BECOME A HAZARD TO LIFE AND LIMB, ENDANGER PROPERTY, OR ADVERSELY AFFECT THE SAFETY, USE, OR STABILITY OF A PUBLIC WAY, DRAINAGE CHANNEL, OR OTHER PROPERTY.

SIGNATURE: _____ DATE: _____
LUKE C. BONNER , PE #63474

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.

CITY OF FOUNTAIN GRADING AND EROSION CONTROL REVIEW:

THIS GRADING AND EROSION CONTROL PLAN IS FILED IN ACCORDANCE WITH SECTION 12.04.160 OF THE CODE OF THE CITY OF FOUNTAIN. THIS PLAN IS REVIEWED IN ACCORDANCE WITH THE DRAINAGE CRITERIA MANUAL, VOL. I (JANUARY 2021) AND VOL. II (DECEMBER 2020); STORMWATER CONSTRUCTION MANUAL; LATEST REVISIONS.

_____ _____ _____

BENJAMIN E. SHEETS, P.E., CITY ENGINEER DATE

NOTES: _____

_____

_____

REFERENCE DRAWINGS

X-104.216-PR-UTILITIES-F1
X-Title-Utilities
X-104.216-PR-SITE - F1
X-104-EX-BASE
X-104-EX-MAP
X-EX-BASE

No.	DATE	DESCRIPTION	BY
		REVISIONS	

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\TS01.dwg
CTB FILE: ----
PLOT DATE: April 10, 2026 11:56:43 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

CORVALLIS FILING NO. 1

CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

GRADING AND EROSION CONTROL COVER SHEET

DESIGNED BY:	RWO	SCALE		*DATE ISSUED:*	APRIL 2026
DRAWN BY:	RWO	*HORIZ.*	N/A	*SHEET*	13 *OF* 167
CHECKED BY:	JAO	*VERT.*	N/A		

DRAWING No. TS01

Know what's below. Call before you dig.

GENERAL CONSTRUCTION NOTES:

1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN CONFORMANCE WITH THE CITY OF FOUNTAIN SPECIFICATIONS, UNLESS NOTED OTHERWISE.
2. IT IS SUGGESTED THAT THE CONTRACTOR INITIATE A REQUEST TO THE CITY OF FOUNTAIN ELECTRIC DEPARTMENT FOR ANY CONSTRUCTION RELATED TEMPORARY ELECTRICAL POWER SOURCES AS SOON AS POSSIBLE. IN SOME INSTANCES UP TO 30 DAYS MAY BE REQUIRED TO PROVIDE THE SOURCE.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE RE-ESTABLISHMENT OF ALL SURVEY MONUMENTS DISTURBED WITHIN THE PROJECT LIMITS.
4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THEIR OWN ESTIMATE OF EARTHWORK QUANTITIES.
5. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSPECT, REPAIR, AND/OR REPLACE THE EXISTING STRUCTURES AS NECESSARY TO RETURN THEM TO EXISTING CONDITIONS OR BETTER.
6. CONTRACTOR SHALL ADJUST AND/OR REMOVE AND REPLACE EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
7. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO THE SAME SPECIFICATIONS.
8. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND AND ABOVE GROUND UTILITIES WITHIN AND ADJACENT TO THE SITE. PRIOR TO ANY EXCAVATION, CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO AT 811 AT LEAST TWO WORKING DAYS PRIOR TO DIGGING. THE OMISSION FROM OR THE INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NONEXISTENCE OF OR A DEFINITE LOCATION OF EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR ASSUMES RESPONSIBILITY FOR THE PROTECTION OF ALL UTILITIES DURING THE WORK. ANY DAMAGE TO THE EXISTING UTILITIES WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND ANY SERVICE DISRUPTION WILL BE SETTLED BY THE CONTRACTOR.
9. ALL UTILITIES (MANHOLES, VALVE COVERS, CLEANOUTS, VAULTS, BOXES, ETC.) SHALL BE ADJUSTED TO FINAL GRADE.

GENERAL GRADING NOTES:

1. THE SITE SHALL BE STRIPPED A MINIMUM OF 0.5' BELOW EXISTING GRADE. STRIPPED TOPSOIL SHALL REMAIN ONSITE IN THE DESIGNATED STOCKPILE LOCATIONS PER NPDES.
2. MAXIMUM CUT/FILL SLOPES SHALL NOT EXCEED 3:1, UNLESS OTHERWISE NOTED. ALL SLOPES MUST BE PROTECTED FROM EROSION.
3. IF DURING THE OVERLOT GRADING PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE AN UNIDENTIFIED SITUATION IS PRESENT, THE SOILS ENGINEER SHALL BE CONTACTED FOR RECOMMENDATIONS.
4. THE CONTRACTOR SHALL PROTECT ALL WORK AREAS AND FACILITIES FROM FLOODING AT ALL TIMES. AREAS AND FACILITIES SUBJECTED TO FLOODING, REGARDLESS OF THE SOURCE OF WATER, SHALL BE PROMPTLY DEWATERED AND RESTORED.
5. THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING AND CONTROLLING EROSION DURING CONSTRUCTION ACTIVITIES AT ALL TIMES DURING GRADING AND CONSTRUCTION.
6. SPOT ELEVATIONS SHALL TAKE PRECEDENCE OVER CONTOURS AND SLOPES SHOWN. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF THE SPOT ELEVATIONS THAT DO NOT APPEAR TO BE CONSISTENT WITH THE CONTOURS AND SLOPES.
7. BENCHMARK VERIFICATION: CONTRACTOR SHALL USE BENCHMARKS AND DATUMS SHOWN HEREON TO SET PROJECT BENCHMARK(S), AND SHALL PROVIDE SURVEY NOTES OF SUCH TO PROJECT ENGINEER PRIOR TO COMMENCING CONSTRUCTION.
8. SPOT ELEVATIONS REPRESENT FLOW LINE OR FINISH GRADE UNLESS OTHERWISE NOTED.
9. EXISTING GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT INTERVALS.
10. PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT INTERVALS.
11. LOCATION OF SOILS STOCKPILES, DESIGNATED FOR TOPSOIL AND SUBSOIL STORAGE AREAS, WILL BE DETERMINED IN THE FIELD AT THE START OF CONSTRUCTION ACTIVITY AND INDICATED ON THE PLAN BY THE CONTRACTOR WHEN REQUIRED.
12. THERE ARE NO PROPOSED CONCRETE BATCH PLANTS, ASPHALT, OR MASONRY MIX STATIONS WITHIN THE BOUNDARIES OF THIS DEVELOPMENT.
13. THERE ARE NO PRESERVATION EASEMENTS, OR KNOWN GEOLOGIC HAZARDS WITHIN THE BOUNDARIES OF THIS DEVELOPMENT.

GENERAL NOTES:

1. ALL STORM SEWER PIPES AND STRUCTURES ARE TO BE OWNED AND MAINTAINED BY CORVALLIS METROPOLITAN DISTRICT.
2. ANY LAND DISTURBANCE BY ANY OWNER, DEVELOPER, BUILDER, CONTRACTOR, OR OTHER PERSON SHALL COMPLY WITH THE BASIC GRADING, EROSION AND STORMWATER QUALITY CONTROL REQUIREMENTS AND GENERAL PROHIBITIONS NOTED IN THE DRAINAGE CRITERIA MANUAL VOLUME II.
3. NO CLEARING, GRADING, EXCAVATION, FILLING OR OTHER LAND DISTURBING ACTIVITIES SHALL BE PERMITTED UNTIL SIGNOFF AND ACCEPTANCE OF THE GRADING AND EROSION CONTROL PLAN IS RECEIVED FROM ENGINEERING DEVELOPMENT REVIEW.
4. THE INSTALLATION OF THE FIRST LEVEL OF TEMPORARY EROSION CONTROL FACILITIES AND BMP'S SHALL BE INSTALLED AND INSPECTED PRIOR TO ANY EARTH DISTURBANCE OPERATIONS TAKING PLACE. CALL CITY OF FOUNTAIN ENGINEERING SERVICES, (719) 322-2000, 48 HOURS PRIOR TO CONSTRUCTION.
5. SEDIMENT (MUD AND DIRT) TRANSPORTED ONTO A PUBLIC ROAD, REGARDLESS OF THE SIZE OF THE SITE, SHALL BE CLEANED IMMEDIATELY.
6. CONCRETE WASH WATER SHALL NOT BE DISCHARGED TO, OR ALLOWED TO RUNOFF TO, STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OF FACILITIES.
7. SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN TWENTY-ONE (21) CALENDAR DAYS AFTER FINAL GRADING OR FINAL EARTH DISTURBANCE HAS BEEN COMPLETED. DISTURBED AREAS AND STOCKPILES WHICH ARE NOT AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN THIRTY (30) DAYS SHALL ALSO BE MULCHED WITHIN TWENTY-ONE (21) DAYS AFTER INTERIM GRADING. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THEN SIXTY (60) DAYS SHALL ALSO BE SEEDED. ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND BMP'S SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED.
8. THE GRADING AND EROSION CONTROL PLAN WILL BE SUBJECT TO RE-REVIEW AND RE-ACCEPTANCE BY ENGINEER OF RECORD AND ENGINEERING DEVELOPMENT REVIEW SHOULD ANY OF THE FOLLOWING OCCUR: GRADING DOES NOT COMMENCE WITHIN TWELVE (12) MONTHS OF THE CITY ENGINEER'S ACCEPTANCE OF THE PLAN, A CHANGE IN PROPERTY OWNERSHIP, PROPOSED DEVELOPMENT CHANGES, OR PROPOSED GRADING REVISIONS.
9. THE PLAN SHALL NOT SUBSTANTIALLY CHANGE THE DEPTH OF COVER, OR ACCESS TO EXISTING UTILITY FACILITIES. ACCEPTANCE OF THIS PLAN DOES NOT CONSTITUTE APPROVAL TO GRADE IN ANY UTILITY EASEMENT OR RIGHT OF WAY. APPROVALS TO GRADE WITHIN UTILITY EASEMENTS MUST BE OBTAINED FROM THE APPROPRIATE UTILITY COMPANY. IT IS NOT PERMISSIBLE FOR ANY PERSON TO MODIFY THE GRADE OF THE EARTH ON ANY COLORADO SPRINGS UTILITIES EASEMENT OR UTILITY RIGHT-OF-WAY WITHOUT THEIR WRITTEN APPROVAL. THE PLAN SHALL NOT INCREASE OR DIVERT WATER TOWARDS UTILITY FACILITIES. ANY CHANGES TO EXISTING UTILITY FACILITIES TO ACCOMMODATE THE PLAN MUST BE APPROVED BY THE AFFECTED UTILITY OWNER PRIOR TO IMPLEMENTING THE PLAN. THE RESULTING COST TO RELOCATE OR PROTECT EXISTING UTILITIES OR TO PROVIDE INTERIM ACCESS IS AT THE EXPENSE OF THE PLAN APPLICANT.
10. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL NPDES PERMIT FOR STREAM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
11. EXISTING TOPOGRAPHIC CONTOURS PROVIDED BY EDWARD-JAMES SURVEYING, INC. THE USE OF EXISTING TOPOGRAPHY IS AT THE SOLE RISK OF THE CONTRACTOR WITHOUT FIELD VERIFICATION.
12. NON-STRUCTURAL EROSION CONTROL MEASURES THAT ARE NOT DESIGNATED WITHIN THE PLAN SET ARE STREET SWEEPING, LANDSCAPING AND VEGETATIVE BUFFER STRIPS.

TIMING

ANTICIPATED STARTING AND COMPLETION TIME PERIOD OF SITE GRADING: AUGUST 2026 TO SEPTEMBER 2027
EXPECTED DATE ON WHICH THE FINAL STABILIZATION WILL BE COMPLETED: SEPTEMBER 2028

AREAS

TOTAL AREA OF THE SITE DISTURBANCE:
56.1 ACRES

RECEIVING WATERS

NAME OF RECEIVING WATERS:
JIMMY CAMP CREEK

NRCS SOIL SURVEY FOR EL PASO COUNTY

SOIL ID NO.	SOIL TYPE	HYDROLOGIC CLASSIFICATION
30	FORT COLLINS LOAM (0%-3% SLOPES)	B
56	NELSON-TASSEL FINE SANDY LOAMS (3%-18% SLOPES)	B
59	NUNN CLAY LOAM (3%-18% SLOPES)	C
86	STONHAM SANDY LOAM (3%-8% SLOPES)	B

NPDES NOTES:

1. THE CONTRACTOR SHALL REMOVE ALL SEDIMENT, MUD, AND CONSTRUCTION DEBRIS THAT MAY ACCUMULATE IN THE FLOWLINES AND PUBLIC RIGHTS OF WAYS AS A RESULT OF THIS CONSTRUCTION PROJECT. SAID REMOVAL SHALL BE CONDUCTED IN A TIMELY MANNER, OR AS DIRECTED BY THE ENGINEER.
2. THIS CONSTRUCTION ACTIVITIES STORMWATER MANAGEMENT PLAN (SWMP) HAS BEEN SUBMITTED AS PART OF AN APPLICATION FOR AN EROSION AND SEDIMENT CONTROL PERMIT FILED WITH THE CITY OF FOUNTAIN AS INCLUSION BY REFERENCE TO THE CDPHE CONSTRUCTION ACTIVITY PERMIT. THE SWMP IS A LIVING DOCUMENT AND ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED OF THE CONTRACTOR DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT FUNCTION AS INTENDED. THE REQUIREMENTS OF THIS PLAN SHALL BE THE OBLIGATION OF THE LAND OWNER AND/OR HIS SUCCESSORS OR HEIRS; UNTIL SUCH TIME AS THE PLAN IS PROPERLY COMPLETED, MODIFIED, OR VOIDED.
3. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR REMEDIATION OF ANY ADVERSE IMPACTS TO ADJACENT WATERWAYS, WETLANDS, ETC., RESULTING FROM WORK DONE AS PART OF THIS PROJECT.
4. THE CONTRACTOR SHALL PREVENT SEDIMENT, DEBRIS AND ALL OTHER POLLUTANTS FROM ENTERING THE STORM SEWER SYSTEM DURING ALL DEMOLITION, EXCAVATION, TRENCHING, BORING, GRADING OR OTHER CONSTRUCTION OPERATIONS THAT ARE PART OF THIS PROJECT.
5. A LAYER OF SUITABLE MULCH SHALL BE APPLIED TO ALL DISTURBED PORTIONS OF THE SITE WITHIN 21 DAYS OF THE COMPLETION OF GRADING. SAID MULCH SHALL BE APPLIED AT A RATE OF 2 TONS PER ACRE AND SHALL BE TACKED OR FASTENED BY AN APPROVED METHOD SUITABLE FOR THE TYPE OF MULCH USED. ROUGH-CUT STREETS SHALL BE MULCHED UNLESS A LAYER OF AGGREGATE ROAD BASE OR ASPHALT PAVING IS TO BE APPLIED TO SAID ROUGH-CUT STREETS WITHIN THE 21 DAY PERIOD AFTER COMPLETION OF OVERLOT GRADING. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THEN SIXTY (60) DAYS SHALL ALSO BE SEEDED. ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND BMP'S SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED.
6. THE CONTRACTOR SHALL LOCATE, INSTALL, AND MAINTAIN ALL EROSION CONTROL AND WATER QUALITY "CONSTRUCTION CONTROL MEASURES" AS INDICATED IN THE APPROVED CONSTRUCTION ACTIVITIES STORMWATER MANAGEMENT PLAN. BMP'S SHALL BE MAINTAINED AND KEPT IN GOOD REPAIR FOR THE DURATION OF THIS PROJECT.
7. AT A MINIMUM, THE CONTRACTOR SHALL INSPECT, AND KEEP A LOG OF, ALL BMP'S WEEKLY AND AFTER SIGNIFICANT PRECIPITATION EVENTS. ALL NECESSARY MAINTENANCE AND REPAIR SHALL BE COMPLETED IN A TIMELY MANNER. ACCUMULATED SEDIMENT AND DEBRIS SHALL BE REMOVED FROM A BMP WHEN THE SEDIMENT LEVEL REACHES ONE-HALF THE HEIGHT OF THE BMP, OR, AT ANY TIME THAT SEDIMENT OR DEBRIS ADVERSELY IMPACTS THE FUNCTIONING OF THE CMP.
8. THE CONTRACTOR SHALL PROPERLY COVER ALL LOADS OF CUT AND FILL MATERIAL IMPORTED TO OR EXPORTED FROM THIS SITE TO PREVENT LOSS OF THE MATERIAL DURING TRANSPORT WITHIN PUBLIC RIGHTS OF WAY.
9. THE USE OF REBAR, STEEL STAKES, OR STEEL FENCE POSTS TO STAKE DOWN STRAW OR HAY BALES; OR TO SUPPORT SILT FENCING USED AS AN EROSION CONTROL MEASURE; IS PROHIBITED. THE USE OF OSHA APPROVED COLORED WARNING CAPS ON REBAR OR FENCE POSTS USED WITH EROSION CONTROL MEASURES IS NOT ACCEPTABLE.
10. SOILS THAT WILL BE STOCKPILED FOR MORE THAN 30 DAYS SHALL BE MULCHED AND SEEDED WITH A TEMPORARY OR PERMANENT GRASS COVER WITHIN 21 DAYS OF STOCKPILE CONSTRUCTION. IF STOCKPILES ARE LOCATED WITHIN 100 FEET OF A DRAINAGEWAY, ADDITIONAL SEDIMENT CONTROLS SUCH AS TEMPORARY DIKES OR SILT FENCE SHALL BE REQUIRED.
11. MODIFICATION OF AN ACTIVE EROSION AND SEDIMENT CONTROL PERMIT BY THE CONTRACTOR SHALL REQUIRE TIMELY NOTIFICATION OF AND APPROVAL BY THE CITY OF COLORADO SPRINGS. TERMINATION OF AN ACTIVE EROSION AND SEDIMENT CONTROL PERMIT UPON COMPLETION OF THE PROJECT REQUIRES NOTIFICATION OF AND APPROVAL BY THE CITY OF COLORADO SPRINGS.
12. UNLESS CONFINED IN A PREDEFINED, BERMED CONTAINMENT AREA, THE CLEANING OF CONCRETE TRUCK DELIVERY CHUTES IS PROHIBITED AT THE JOB SITE. THE DISCHARGE OF WATER CONTAINING WASTE CEMENT TO THE STORM SEWER SYSTEM IS PROHIBITED.
13. THE CONTRACTOR SHALL PROTECT ALL STORM SEWER FACILITIES ADJACENT TO ANY LOCATION WHERE PAVEMENT CUTTING OPERATIONS INVOLVING WHEEL CUTTING, SAW CUTTING OR ABRASIVE WATER JET CUTTING ARE TO TAKE PLACE. THE DISCHARGE OF ANY WATER CONTAMINATED BY WASTE PRODUCTS FROM CUTTING OPERATIONS TO THE STORM SEWER SYSTEM IS PROHIBITED. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL WASTE PRODUCTS GENERATED BY SAID CUTTING OPERATIONS ON A DAILY BASIS.
14. LOCATION OF STAGING, STORAGE, EQUIPMENT MAINTENANCE, TEMPORARY DISPOSAL, VEHICLE TRACKING CONTROL AND CONCRETE TRUCK WASHOUT AREAS WILL BE DETERMINED IN THE FIELD AT THE START OF CONSTRUCTION ACTIVITY AND DELINEATED ON THIS PLAN.

REFERENCE DRAWINGS

X-Title-GEC
X-104.216-PR-SITE - F1

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GN01.dwg
CTB FILE: ----
PLOT DATE: April 10, 2026 11:56:49 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

CORVALLIS FILING NO. 1

CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

GRADING AND EROSION CONTROL GENERAL NOTES

DESIGNED BY:	RWO	SCALE		DATE ISSUED:	APRIL 2026
DRAWN BY:	RWO	HORIZ.	N/A		
CHECKED BY:	JAO	VERT.	N/A	SHEET	14 OF 167

DRAWING No. GN01

Know what's **below.** **Call** before you dig.

GENERAL GRADING & EROSION CONTROL NOTES:

1. ALL LAND DISTURBING ACTIVITIES MUST BE PERFORMED IN ACCORDANCE WITH AND THE APPROVED GEC PLAN AND SWMP.
2. INITIAL CONTROL MEASURES SHALL BE INSTALLED AND INSPECTED PRIOR TO ANY LAND DISTURBANCE ACTIVITIES TAKING PLACE. AN INITIAL SITE INSPECTION WILL NOT BE SCHEDULED UNTIL A CITY GEC PERMIT HAS BEEN "CONDITIONALLY APPROVED." CALL THE CITY OF FOUNTAIN ENGINEERING SERVICES DEPARTMENT, (719) 322-2000, AT LEAST 48 HOURS PRIOR TO CONSTRUCTION TO SCHEDULE AN INITIAL INSPECTION AND OBTAIN FULL PERMIT APPROVAL.
3. INDIVIDUALS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS) AND THE "CLEAN WATER ACT" (33 USC 1344), INCLUDING REGULATIONS PROMULGATED AND CERTIFICATIONS OR PERMITS ISSUED, IN ADDITION TO THE REQUIREMENTS INCLUDED IN THE CITY'S MS4 PERMIT, STORMWATER CONSTRUCTION MANUAL. IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND WATER QUALITY CONTROL LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL OR STATE AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
4. STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS.
5. ALL CONSTRUCTION CONTROL MEASURES SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION MEASURES ARE IMPLEMENTED. TEMPORARY CONSTRUCTION CONTROL MEASURES MUST BE REMOVED PRIOR TO PERMIT CLOSEOUT.
6. CONCRETE WASH WATER SHALL NOT BE DISCHARGED TO OR ALLOWED TO RUNOFF TO STATE WATERS OR ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
7. 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. CONSTRUCTION CONTROL MEASURES MAY BE REQUIRED BY THE GEC INSPECTOR IF DEEMED NECESSARY BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES (E.G., ESTIMATED TIME OF EXPOSURE, SEASON OF THE YEAR, ETC.).
8. ALL WASTES COMPOSED OF BUILDING MATERIALS MUST BE REMOVED FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
9. THE PERMITTEE 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 AS A RESULT OF CONSTRUCTION ACTIVITIES.
10. 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. MATERIALS SHALL NOT BE STORED IN A LOCATION WHERE THEY MAY BE CARRIED BY STORMWATER RUNOFF INTO THE STORM SEWER SYSTEM AT ANY TIME.
11. SPILL PREVENTION AND CONTAINMENT MEASURES SHALL BE USED AT ALL STORAGE, EQUIPMENT FUELING, AND EQUIPMENT SERVICING AREAS SO AS TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING THE MS4, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITY. BULK STORAGE STRUCTURES FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS SHALL HAVE SECONDARY CONTAINMENT OR EQUIVALENT ADEQUATE PROTECTION. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY, OR CONTAINED UNTIL APPROPRIATE CLEANUP METHODS CAN BE EMPLOYED. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE FOLLOWED, ALONG WITH PROPER DISPOSAL METHODS.
12. SEDIMENT (MUD AND DIRT) TRANSPORTED ONTO A PUBLIC ROAD, REGARDLESS OF THE SIZE OF THE SITE, SHALL BE CLEANED AS SOON AS POSSIBLE AFTER DISCOVERY.
13. NO CHEMICALS ARE TO BE ADDED TO THE DISCHARGE UNLESS PERMISSION FOR THE USE OF A SPECIFIC CHEMICAL IS GRANTED BY THE STATE. IN GRANTING THE USE OF SUCH CHEMICALS, SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
14. CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN FOURTEEN (14) CALENDAR DAYS AFTER FINAL GRADING OR FINAL LAND DISTURBANCE HAS BEEN COMPLETED. DISTURBED AREAS WHICH ARE NOT AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN FOURTEEN (14) DAYS SHALL BE ROUGHENED, MULCHED, TACKIFIED, OR STABILIZED WITH TARPS WITHIN FOURTEEN (14) DAYS AFTER INTERIM GRADING. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAN SIXTY (60) DAYS SHALL ALSO BE SEEDED, UNLESS AN ALTERNATIVE STABILIZATION MEASURE IS ACCEPTED AT THE INSPECTOR'S DISCRETION. ALL TEMPORARY CONSTRUCTION CONTROL MEASURES SHALL BE MAINTAINED UNTIL FINAL STABILIZATION IS ACHIEVED.
15. THE GEC PLAN WILL BE SUBJECT TO RE-REVIEW AND RE-ACCEPTANCE BY THE CITY OF FOUNTAIN ENGINEERING SERVICES DEPARTMENT SHOULD ANY OF THE FOLLOWING OCCUR: GRADING DOES NOT COMMENCE WITHIN TWELVE (12) MONTHS OF THE CITY'S ACCEPTANCE OF THE PLAN, THE CONSTRUCTION SITE IS IDLE FOR TWELVE (12) CONSECUTIVE MONTHS, A CHANGE IN PROPERTY OWNERSHIP OCCURS, THE PLANNED DEVELOPMENT CHANGES, OR ANY OTHER MAJOR MODIFICATIONS ARE PROPOSED AS DEFINED IN THE STORMWATER CONSTRUCTION MANUAL.
16. IT IS NOT PERMISSIBLE FOR ANY PERSON TO MODIFY THE GRADE OF THE EARTH ON ANY UTILITY EASEMENT OR UTILITY RIGHT-OF-WAY WITHOUT WRITTEN APPROVAL FROM THE UTILITY OWNER. CITY ACCEPTANCE OF THE GEC PLAN AND SWMP DOES NOT SATISFY THIS REQUIREMENT. THE PLAN SHALL NOT INCREASE OR DIVERT WATER TOWARDS UTILITY FACILITIES. ANY CHANGES TO EXISTING UTILITY FACILITIES TO ACCOMMODATE THE PLAN MUST BE APPROVED BY THE AFFECTED UTILITY OWNER PRIOR TO IMPLEMENTING THE PLAN. THE COST TO RELOCATE OR PROTECT EXISTING UTILITIES OR TO PROVIDE INTERIM ACCESS SHALL BE AT THE APPLICANT'S EXPENSE.
17. APPLICANT REPRESENTS AND WARRANTS THAT THEY HAVE THE LEGAL AUTHORITY TO GRADE AND/OR CONSTRUCT IMPROVEMENTS ON ADJACENT PROPERTY. THE CITY HAS NOT REVIEWED THE DEVELOPER'S AUTHORITY TO MODIFY ADJACENT PROPERTY. AN APPROVED GEC PERMIT DOES NOT PROVIDE APPROVAL FOR THE APPLICANT TO PERFORM WORK ON ADJACENT PROPERTY.
18. ALL UTILITY INSTALLATIONS WITHIN THE LIMITS OF DISTURBANCE SHOWN ON THIS PLAN ARE COVERED UNDER THIS PLAN. LOCATIONS OF UTILITIES WITHIN THE LIMITS OF DISTURBANCE MAY BE MODIFIED AFTER PLAN APPROVAL AS A FIELD CHANGE. UTILITY INSTALLATIONS RELATED TO THE PRIVATE DEVELOPMENT THAT EXTEND BEYOND THE LIMITS OF DISTURBANCE SHOWN ON THIS PLAN ARE CONSIDERED TO BE PART OF THE LARGER DEVELOPMENT, AND THEREFORE REQUIRE A PLAN MODIFICATION OR SEPARATE PLAN FOR THE ADDITIONAL DISTURBANCE AREA.
19. ALL EROSION CONTROL BLANKET SHALL BE RE-EVALUATED AND INSPECTED 24-MONTHS AFTER INSTALLATION. EROSION CONTROL BLANKET MAY BE REQUIRED TO RE-INSTALLED PER MANUFACTURER SPECIFICATIONS.

LEGEND

- PROPOSED CENTERLINE
- EXISTING FENCE
- PROPOSED FENCE
- RIGHT OF WAY
- PROPERTY LINE
- FILING 1 BOUNDARY LINE
- EXISTING EASEMENT
- EASEMENT
- LIMITS OF CONSTRUCTION
- PROPOSED TRACT LINE
- EXISTING CURB & GUTTER
- FUTURE CURB & GUTTER
- 5635 EXISTING CONTOUR
- 5630 PROPOSED CONTOUR
- UT / UE / G EXISTING UNDERGROUND UTILITY
- W EXISTING WATER
- EXISTING HYDRANT
- WV EXISTING WATER VALVE
- PROPOSED WATER
- PROPOSED HYDRANT
- PROPOSED VALVE
- PROPOSED THRUST BLOCK
- SS EXISTING SANITARY
- SS EXISTING SANITARY MANHOLE
- PROPOSED SANITARY
- PROPOSED SANITARY MANHOLE
- W PROPOSED WATER SERVICE WITH PLUG
- S PROPOSED SANITARY SERVICE WITH PLUG
- PROPOSED STORM
- EXISTING STORM
- PROPOSED STORM MANHOLE
- PROPOSED STORM INLET
- 4:1 SLOPE / DRAINAGE FLOW
- OVERFLOW ROUTE

REFERENCE DRAWINGS

X-Title-GEC
X-104.216-PR-SITE - F1

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GN01.dwg
CTB FILE: ----
PLOT DATE: April 10, 2026 11:56:49 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

CORVALLIS FILING NO. 1

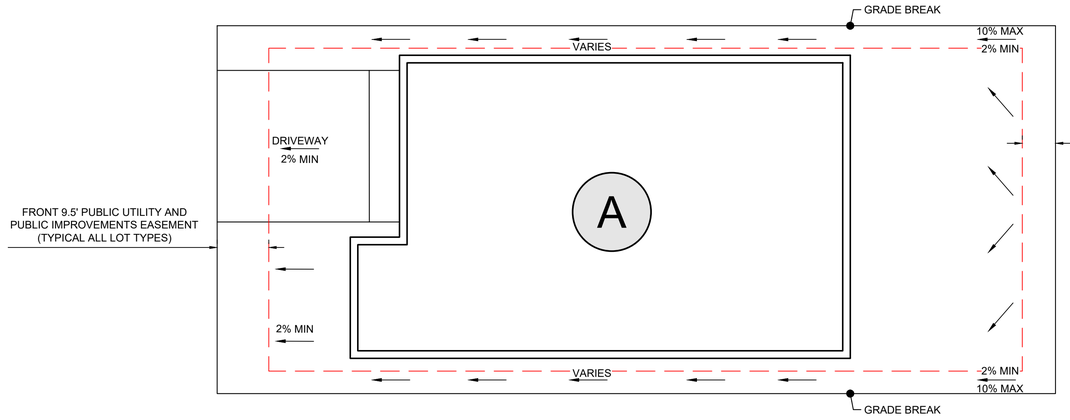
CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

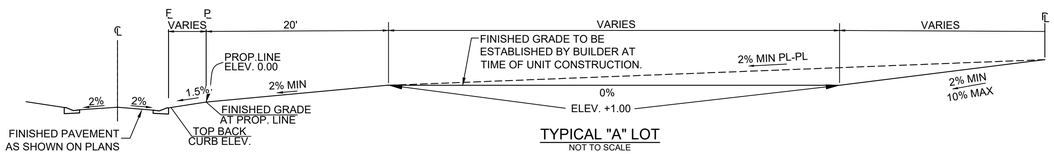
GRADING AND EROSION CONTROL GENERAL NOTES

DESIGNED BY:	RWO	SCALE		DATE ISSUED:	APRIL 2026
DRAWN BY:	RWO	HORIZ.	N/A		
CHECKED BY:	JAO	VERT.	N/A	SHEET	15 OF 167

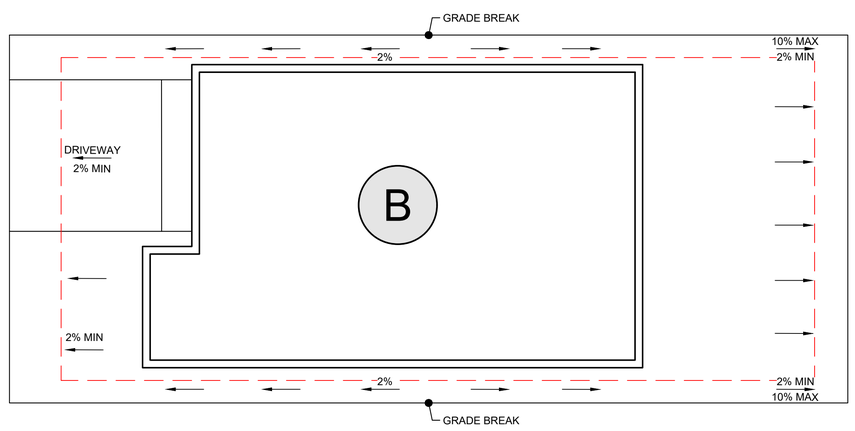
DRAWING No. GN02

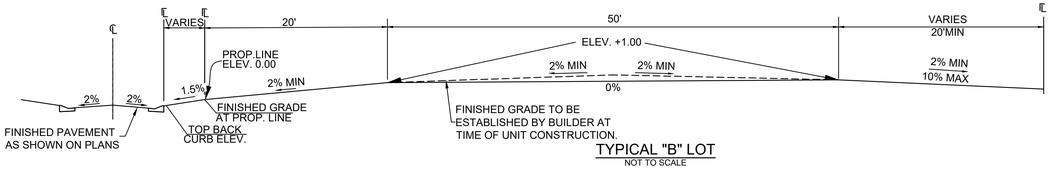
811 Know what's below. Call before you dig.



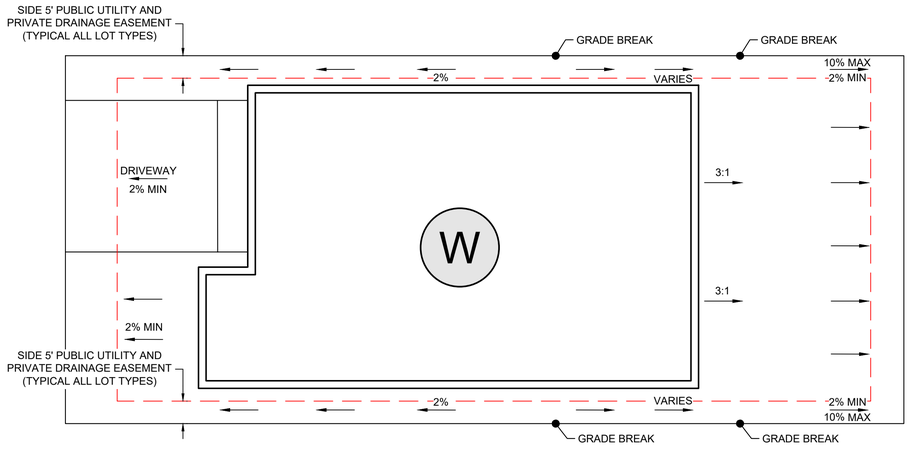


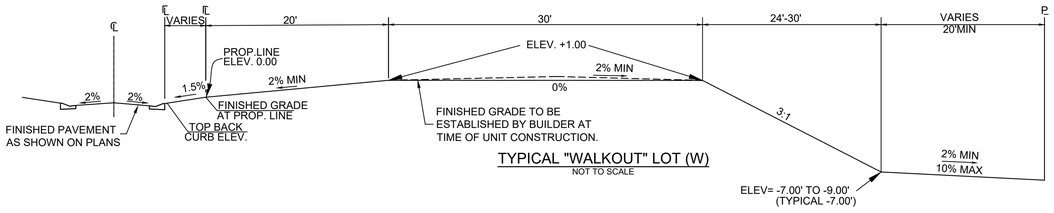
TYPICAL "A" LOT
NOT TO SCALE



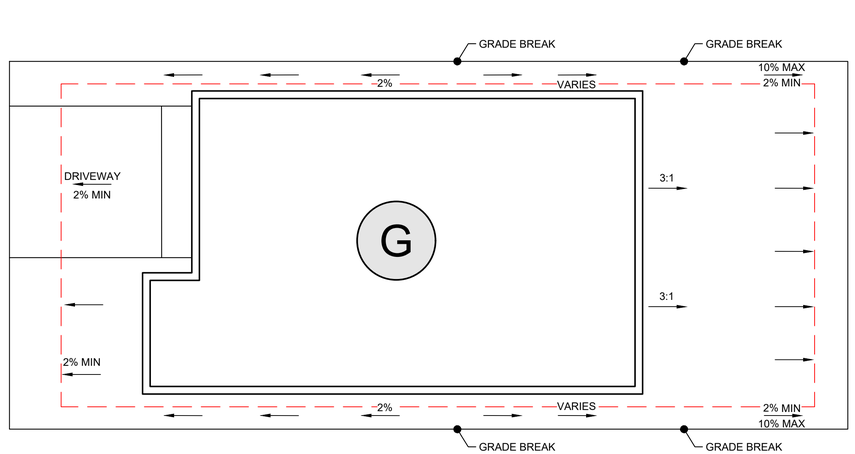


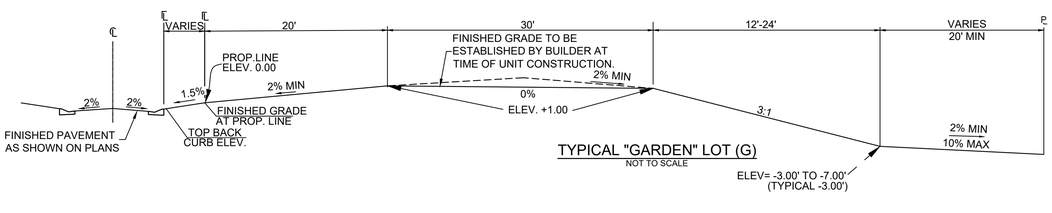
TYPICAL "B" LOT
NOT TO SCALE





TYPICAL "WALKOUT" LOT (W)
NOT TO SCALE





TYPICAL "GARDEN" LOT (G)
NOT TO SCALE

NOTES:

1. CONTRACTOR TO CONFIRM GRADING WITHIN PUBLIC EASEMENTS ACCEPTABLE WITH APPLICABLE JURISDICTION.
2. CONTRACTOR TO COORDINATE WITH BUILDER ON BUILDING PAD DEPTH AND SHAPE AFTER OVERLOT GRADING IS COMPLETE.
3. DRIVEWAY AND HOUSE LAYOUTS ARE NOT FINAL AND SUBJECT TO BUILDER.

REFERENCE DRAWINGS

X-Title-GEC
X-104.216-PR-SITE - F1

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GN01.dwg
CTB FILE: ----
PLOT DATE: April 10, 2026 11:56:50 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

CORVALLIS FILING NO. 1

CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

GRADING PLANS - TYPICAL LOT GRADING

DESIGNED BY:	RWO	SCALE		DATE ISSUED:	APRIL 2026
DRAWN BY:	RWO	HORIZ.	N/A	SHEET	16 OF 167
CHECKED BY:	JAO	VERT.	N/A	DRAWING No.	GN03

Know what's below. Call before you dig.

N

GRAPHIC SCALE

150' 0' 150' 300'

(IN FEET)
1 inch = 150 ft.

FONTAINE BLVD.

SCHEDULE NO:5500000202
OWNER: RONALD P SINGER
UNPLATTED

SHEETS 23 - GEC06 - GRADING
29 - GEC12 - INITIAL EROSION CONTROL
35 - GEC18 - INTERIM/FINAL EROSION CONTROL

SHEETS 23 - GEC06 - GRADING
29 - GEC12 - INITIAL EROSION CONTROL
35 - GEC18 - INTERIM/FINAL EROSION CONTROL

FUTURE LORSON BLVD.

EX FMIC CHANNEL

EX FMIC CHANNEL

COTTONWOOD GROVE SUBDIVISION

CORVALLIS FUTURE FILINGS

WALLOOSKEE ST.

LOST RIVER RD.

NACHES RD.

SHEETS 18 - GEC01 - GRADING
24 - GEC07 - INITIAL EROSION CONTROL
30 - GEC13 - INTERIM/FINAL EROSION CONTROL

SHEETS 19 - GEC02 - GRADING
25 - GEC08 - INITIAL EROSION CONTROL
31 - GEC14 - INTERIM/FINAL EROSION CONTROL

SPRING BASIN DR.

SELWAY ST.

CORVALLIS FUTURE FILINGS

RIVERS BLVD.

SALZAR ST.

IRON CREEK LOOP

LORSON BLVD.

CORVALLIS FUTURE FILINGS

SPRING GLEN DR.

SHEETS 20 - GEC03 - GRADING
26 - GEC09 - INITIAL EROSION CONTROL
32 - GEC15 - INTERIM/FINAL EROSION CONTROL

SHEETS 21 - GEC04 - GRADING
27 - GEC10 - INITIAL EROSION CONTROL
33 - GEC16 - INTERIM/FINAL EROSION CONTROL

SHEETS 22 - GEC05 - GRADING
28 - GEC11 - INITIAL EROSION CONTROL
34 - GEC17 - INTERIM/FINAL EROSION CONTROL

IRON CREEK LOOP

MARKSHEFFEL RD.

CARRIAGE MEADOWS SOUTH AT LORSON RANCH SUBDIVISION

TRACT A-
POND 5

TRACT G-
POND 8

THE GLEN AT WIDEFIELD SUBDIVISION

5710 5720 5730 5740 5750 5760 5770 5700 5680 5704

REFERENCE DRAWINGS

X-104.216-PR-UTILITIES-F1
X-Title-Utilities
X-104.216-PR-SITE - F1
X-EX-BASE
X-EX-MAP
X-104-EX-BASE

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC00.dwg
CTB FILE: ---
PLOT DATE: April 10, 2026 11:57:00 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

SHEET KEY

BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

CORVALLIS FILING NO. 1

CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

GRADING AND EROSION CONTROL KEY MAP

DESIGNED BY:	RWO	SCALE		DATE ISSUED:	APRIL 2026
DRAWN BY:	RWO	HORIZ.	1"=150'	SHEET	17 OF 167
CHECKED BY:	JAO	VERT.	N/A	DRAWING No.	GEC00

N

GRAPHIC SCALE
50' 0 50' 100'
(IN FEET)
1 inch = 50' ft.

GRADING LEGEND

- HP / LP — HIGH POINT / LOW POINT
- 7050 — PROPOSED CONTOURS
- 5975 — EXISTING CONTOURS
- DRAINAGE SWALE
- 4:1 — SLOPE LABEL
- OVERLAND FLOW
- LIMITS OF DISTURBANCE/ CONSTRUCTION SITE BOUNDARY
- FILING No.1 LIMITS
- OVERFLOW ROUTE

- (A) LOT DRAINS TO STREET
- (B) LOT DRAINS TO STREET & REAR OF LOT
- (T) TRANSITION LOT - DRAINAGE VARIES
- (G) GARDEN LEVEL BASEMENT - DRAINS TO STREET & REAR OF LOT
- (W) WALK OUT BASEMENT - DRAINS TO STREET & REAR OF LOT

Know what's below. Call before you dig.

NOTES:
1. THE EXISTING FMIC DITCH SHALL REMAIN IN PLACE AND ACTIVE UNTIL THE FMIC STORM PIPE IS INSTALLED AND ACCEPTED.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

EX. FMIC DITCH TO BE REMOVED /ABANDONED (SEE NOTE 1)
TEMPORARY TURNAROUND
EX. 110' GAS ESMNT. OWNER: KINDER MORGAN RECORDED AT BOOK 798 AT PAGE 149
LIMITS OF DISTURBANCE (TYP)
EX 20" STEEL KINDER MORGAN GAS LINES
FILING NO. 1 BOUNDARY
WALLOOSKEE STREET (PUBLIC)
LOT 149 (G) 3.6%
LOT 150 (G) 3.3%
LOT 151 (G) 3.6%
LOT 152 (W) 3.6%
LOT 153 (W) 3.6%
LOT 154 (W) 3.6%
LOT 155 (W) 3.6%
LOT 156 (W) 3.6%
LOT 157 (W) 3.6%
LOT 158 (W) 3.6%
LOT 159 (W) 3.6%
LOT 160 (W) 4.4%
LOT 148 (A) 2.6%
LOT 147 (A) 2.7%
LOT 146 (A) 2.6%
LOT 145 (A) 2.6%
LOT 144 (A) 2.6%
LOT 143 (A) 2.6%
LOT 142 (A) 2.7%
LOT 141 (A) 3.4%
LOT 140 (A) 3.4%
LOT 139 (A) 3.5%
LOT 138 (T) 1.0%
PR. 3' x 9' TRIPLE GRATE TYPE C STANDARD GRATE INLET
PR. 48" RCP STORM SEVERE
TYPE L RIPRAP
PR. GRASS SWALE (4' BOTTOM WIDTH)
PR. 6'-4" x 6'-4" CCS BOX BASE MH TYPE 1
PR. 7'-4" x 5'-4" CCS BOX BASE MH TYPE 1
PR. 6'-4" x 5'-4" CCS BOX BASE MH TYPE 1
PR. 30' DRAINAGE & ACCESS ESMNT.
PR. 16' ACCESS ROAD
TYPE M RIPRAP 24" DEEP
PR. 16' HS-20 RATED EMERGENCY ACCESS ROAD REFER TO SHEET DT02 FOR DETAIL
UNPLATTED
PR. 36" RCP STORM SEWER
PR. 24" RCP STORM SEWER
PR. TYPE 2 CURB & GUTTER (TYP.)
PR. CROSS PAN
PR. 10' TYPE-R
PR. 6' SIDEWALK (TYP.)
SPRING BASIN DRIVE (PUBLIC)
SELWAY STREET (PUBLIC)
RIVERS BLVD (PUBLIC)
TRACT B
TRACT C
TRACT H
TRACT E
LOT 103 (B) 1.5%
LOT 104 (B) 6.4%
LOT 105 (B) 6.8%
LOT 106 (B) 5.8%
LOT 107 (B) 4.6%
LOT 108 (B) 3.8%
LOT 109 (G) 7.4%
LOT 110 (G) 8.1%
LOT 111 (G) 8.7%
LOT 112 (G) 7.4%
EXIST. FMIC DITCH TO BE REMOVED /ABANDONED (SEE NOTE 1)
PR. 36" RCP STORM SEWER
PR. 6'-4" x 5'-4" CCS BOX BASE MH TYPE 1
MATCHLINE SEE SHEET 20 - GEC03
MATCHLINE SEE SHEET 19 - GEC02
MATCHLINE SEE SHEET 21 - GEC04

REFERENCE DRAWINGS
X-Title-GEC
D-EX-TOPO
X-104.216-PR-SITE - F1
X-104-EX-BASE
X-EX-BASE
X-EX-MAP
X-EX-UTIL
X-104.216-PR-UTILITIES-F1

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01-GRADING.dwg
CTB FILE: ----
PLOT DATE: April 10, 2026 11:57:18 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

SHEET KEY

BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

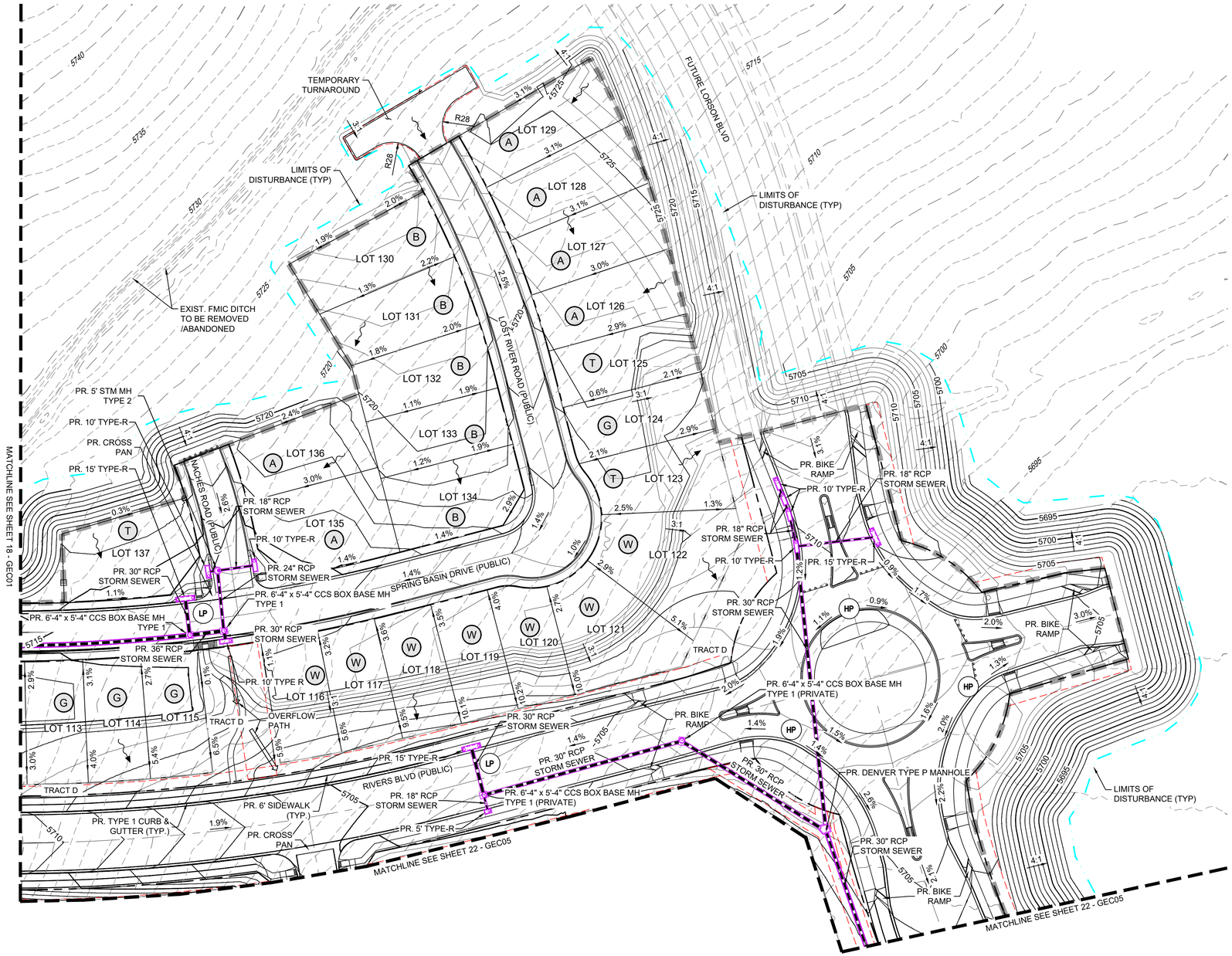
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

CORVALLIS FILING NO. 1

CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

GRADING PLANS

DESIGNED BY:	RWO	SCALE	
DRAWN BY:	RWO	HORIZ.	1"=50'
CHECKED BY:	JAO	VERT.	N/A
DATE ISSUED:	APRIL 2026		
SHEET	18 OF 167		
DRAWING No.	GEC01		



GRADING LEGEND

- HP / LP — HIGH POINT / LOW POINT
- 7050 — PROPOSED CONTOURS
- 5975 — EXISTING CONTOURS
- DRAINAGE SWALE
- 4:1 — SLOPE LABEL
- OVERLAND FLOW
- LIMITS OF DISTURBANCE/ CONSTRUCTION SITE BOUNDARY
- FILING No.1 LIMITS
- OVERFLOW ROUTE
- (A) LOT DRAINS TO STREET
- (B) LOT DRAINS TO STREET & REAR OF LOT
- (T) TRANSITION LOT - DRAINAGE VARIES
- (G) GARDEN LEVEL BASEMENT - DRAINS TO STREET & REAR OF LOT
- (W) WALK OUT BASEMENT - DRAINS TO STREET & REAR OF LOT

Know what's **below.** **Call** before you dig.

NOTES:
1. THE EXISTING FMIC DITCH SHALL REMAIN IN PLACE AND ACTIVE UNTIL THE FMIC STORM PIPE IS INSTALLED AND ACCEPTED.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

N

GRAPHIC SCALE

50' 0 50' 100'

(IN FEET)
1 inch = 50' ft.

REFERENCE DRAWINGS

X-Title-GEC
D-EX-TOPO
X-104.216-PR-SITE - F1
X-104-EX-BASE
X-EX-BASE
X-EX-MAP
X-EX-UTIL
X-104.216-PR-UTILITIES-F1

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01-GRADING.dwg
CTB FILE: ----
PLOT DATE: April 10, 2026 11:57:20 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

SHEET KEY

BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

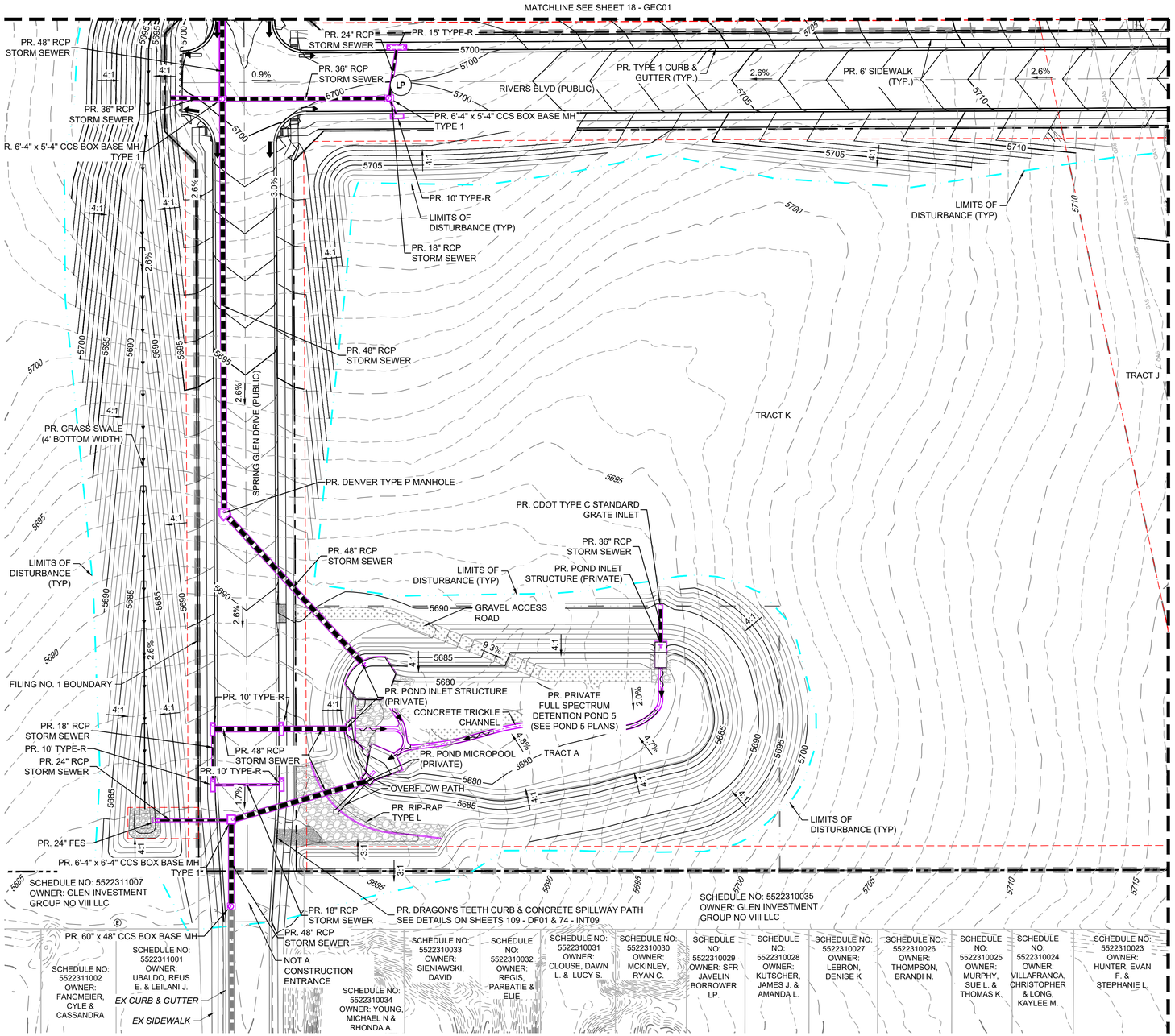
CORVALLIS FILING NO. 1

CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

GRADING PLANS

DESIGNED BY:	RWO	SCALE		DATE ISSUED:	APRIL 2026
DRAWN BY:	RWO	HORIZ.	1"=50'		
CHECKED BY:	JAO	VERT.	N/A	SHEET	19 OF 167

DRAWING No. GEC02



GRADING LEGEND

- HP / LP — HIGH POINT / LOW POINT
- 7050 — PROPOSED CONTOURS
- 5975 — EXISTING CONTOURS
- DRAINAGE SWALE
- 4:1 — SLOPE LABEL
- OVERLAND FLOW
- LIMITS OF DISTURBANCE/ CONSTRUCTION SITE BOUNDARY
- FILING No.1 LIMITS
- OVERFLOW ROUTE
- A — LOT DRAINS TO STREET
- B — LOT DRAINS TO STREET & REAR OF LOT
- T — TRANSITION LOT - DRAINAGE VARIES
- G — GARDEN LEVEL BASEMENT - DRAINS TO STREET & REAR OF LOT
- W — WALK OUT BASEMENT - DRAINS TO STREET & REAR OF LOT

Know what's **below.** **Call** before you dig.

NOTES:
1. THE EXISTING FMIC DITCH SHALL REMAIN IN PLACE AND ACTIVE UNTIL THE FMIC STORM PIPE IS INSTALLED AND ACCEPTED.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

N

GRAPHIC SCALE
50' 0 50' 100'
(IN FEET)
1 inch = 50' ft.

REFERENCE DRAWINGS
X-Title-GEC
D-EX-TOPO
X-104.216-PR-SITE - F1
X-104-EX-BASE
X-EX-BASE
X-EX-MAP
X-EX-UTIL
X-104.216-PR-UTILITIES-F1

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT
FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01-GRADING.dwg
CTB FILE: ----
PLOT DATE: April 10, 2026 11:57:22 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

SHEET KEY

BENCHMARK
PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING
BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY:
Matrix

SEAL
PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

CORVALLIS FILING NO. 1

CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

GRADING PLANS

DESIGNED BY:	RWO	SCALE		DATE ISSUED:	APRIL 2026
DRAWN BY:	RWO	HORIZ.	1"=50'		
CHECKED BY:	JAO	VERT.	N/A	SHEET	20 OF 167
				DRAWING No.	GEC03

Know what's **below.** **Call** before you dig.

GRADING LEGEND

- HP / LP — HIGH POINT / LOW POINT
- 7050 — PROPOSED CONTOURS
- 5975 — EXISTING CONTOURS
- DRAINAGE SWALE
- 4:1 — SLOPE LABEL
- OVERLAND FLOW
- LIMITS OF DISTURBANCE/ CONSTRUCTION SITE BOUNDARY
- FILING No.1 LIMITS
- OVERFLOW ROUTE
- A — LOT DRAINS TO STREET
- B — LOT DRAINS TO STREET & REAR OF LOT
- T — TRANSITION LOT - DRAINAGE VARIES
- G — GARDEN LEVEL BASEMENT - DRAINS TO STREET & REAR OF LOT
- W — WALK OUT BASEMENT - DRAINS TO STREET & REAR OF LOT

NOTES:
1. THE EXISTING FMIC DITCH SHALL REMAIN IN PLACE AND ACTIVE UNTIL THE FMIC STORM PIPE IS INSTALLED AND ACCEPTED.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

N

GRAPHIC SCALE
50' 0 50' 100'
(IN FEET)
1 inch = 50' ft.

REFERENCE DRAWINGS

X-Title-GEC
D-EX-TOPO
X-104.216-PR-SITE - F1
X-104-EX-BASE
X-EX-BASE
X-EX-MAP
X-EX-UTIL
X-104.216-PR-UTILITIES-F1

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01-GRADING.dwg
CTB FILE: ----
PLOT DATE: April 10, 2026 11:57:25 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

SHEET KEY

BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

CORVALLIS FILING NO. 1

CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

GRADING PLANS

DESIGNED BY:	RWO	*SCALE*		*DATE ISSUED:*	APRIL 2026
DRAWN BY:	RWO	*HORIZ.*	1"=50'	*SHEET*	21 OF 167
CHECKED BY:	JAO	*VERT.*	N/A	*DRAWING No.*	GEC04

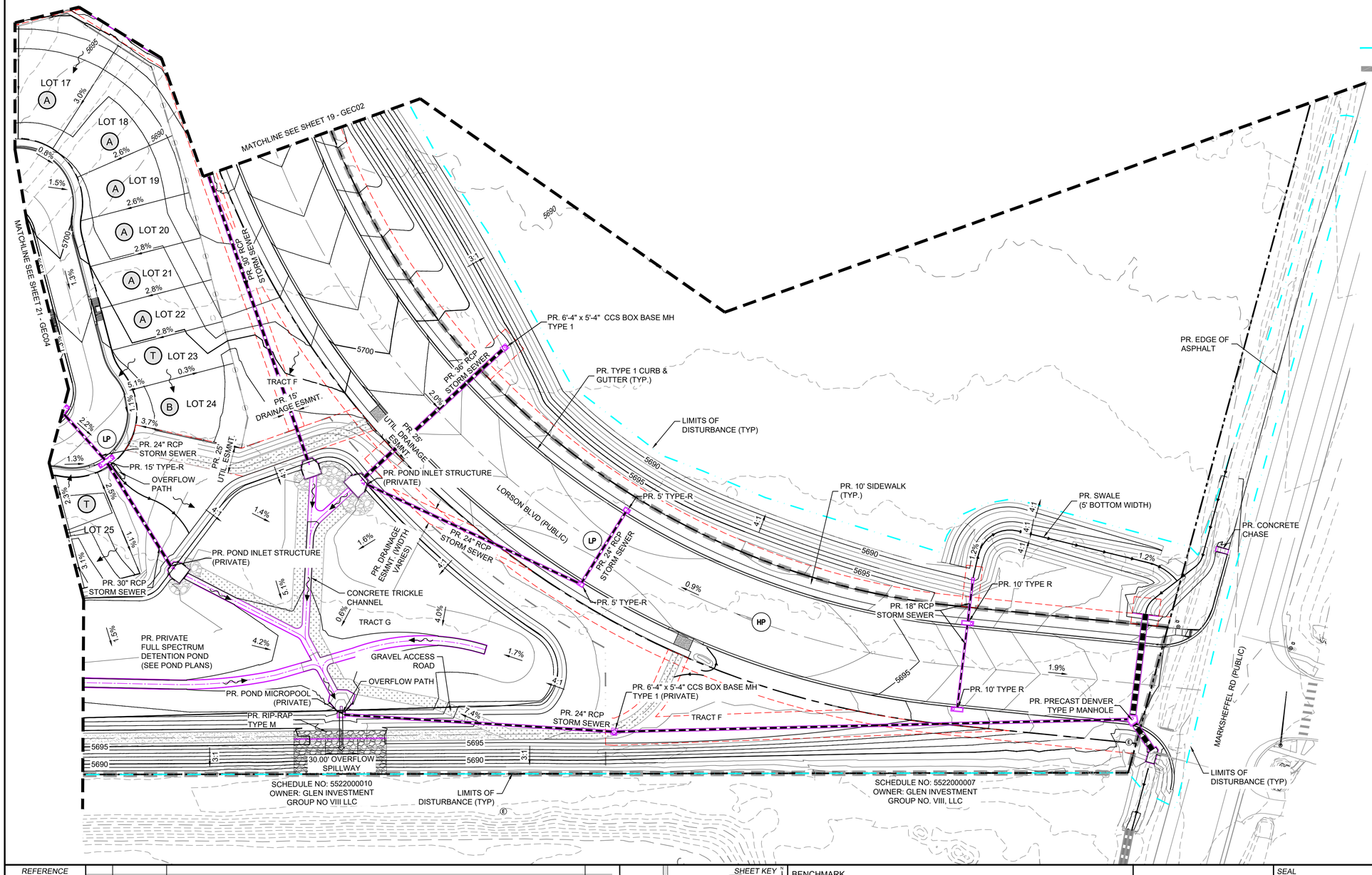
Know what's below. Call before you dig.

GRADING LEGEND

- HP / LP — HIGH POINT / LOW POINT
- 7050 — PROPOSED CONTOURS
- 5975 — EXISTING CONTOURS
- DRAINAGE SWALE
- 4:1 — SLOPE LABEL
- OVERLAND FLOW
- LIMITS OF DISTURBANCE/ CONSTRUCTION SITE BOUNDARY
- FILING No.1 LIMITS
- OVERFLOW ROUTE
- A — LOT DRAINS TO STREET
- B — LOT DRAINS TO STREET & REAR OF LOT
- T — TRANSITION LOT - DRAINAGE VARIES
- G — GARDEN LEVEL BASEMENT - DRAINS TO STREET & REAR OF LOT
- W — WALK OUT BASEMENT - DRAINS TO STREET & REAR OF LOT

NOTES:
1. THE EXISTING FMIC DITCH SHALL REMAIN IN PLACE AND ACTIVE UNTIL THE FMIC STORM PIPE IS INSTALLED AND ACCEPTED.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.



REFERENCE DRAWINGS

X-Title-GEC
D-EX-TOPO
X-104.216-PR-SITE - F1
X-104-EX-BASE
X-EX-BASE
X-EX-MAP
X-EX-UTIL
X-104.216-PR-UTILITIES-F1

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01-GRADING.dwg
CTB FILE: ----
PLOT DATE: April 10, 2026 11:57:27 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

SHEET KEY

BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

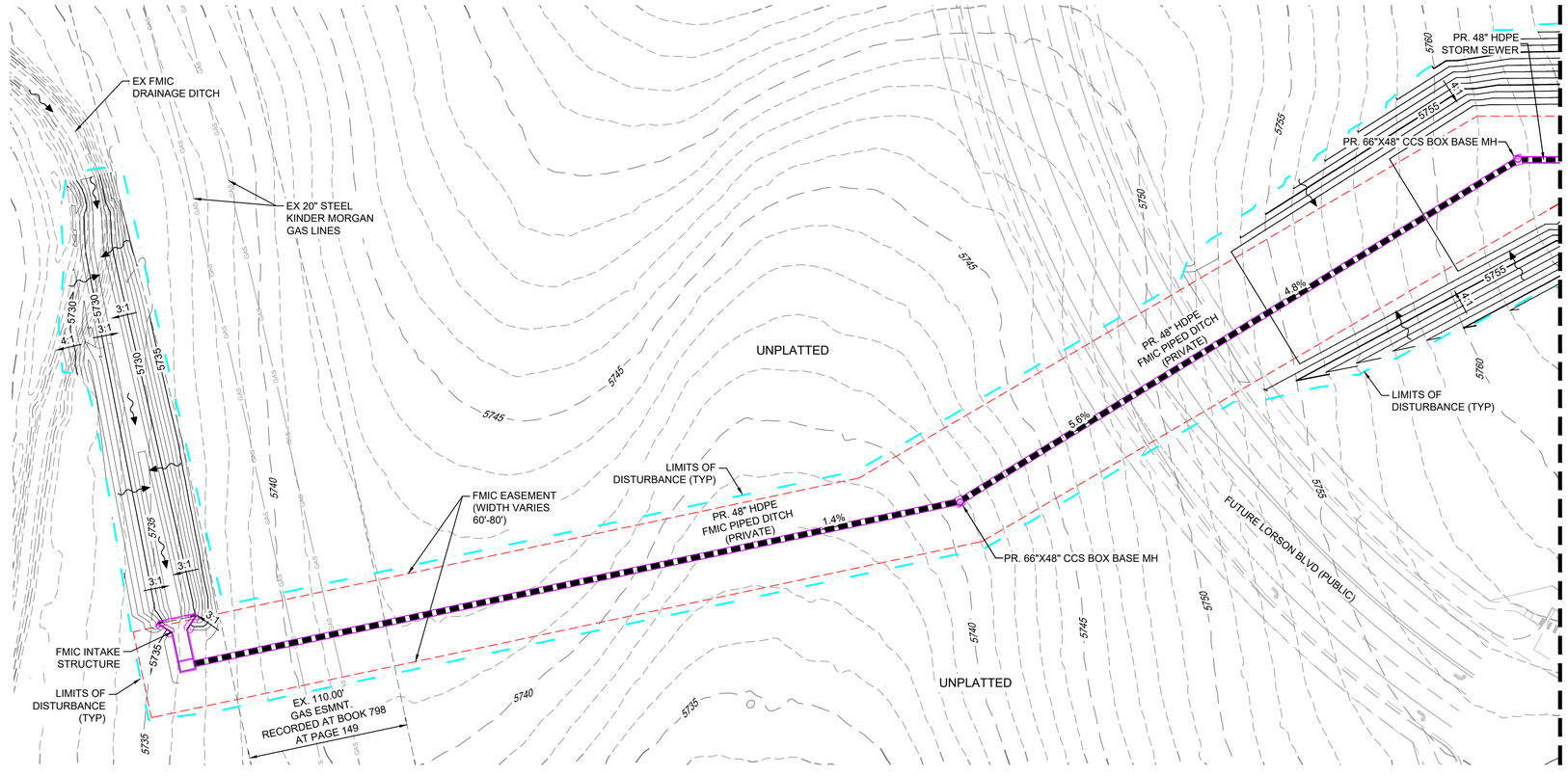
CORVALLIS FILING NO. 1

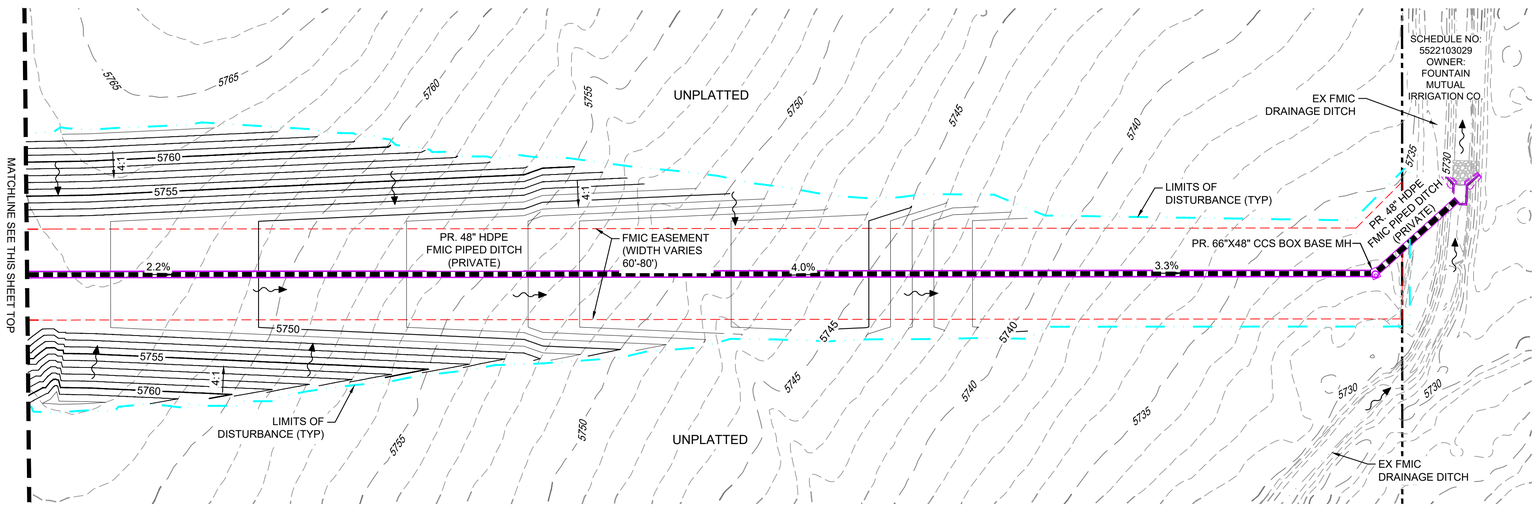
CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

GRADING PLANS

DESIGNED BY:	RWO	SCALE		DATE ISSUED:	APRIL 2026
DRAWN BY:	RWO	HORIZ.	1"=50'	SHEET	22 OF 167
CHECKED BY:	JAO	VERT.	N/A		

DRAWING No. GEC05





GRADING LEGEND

- HP / LP — HIGH POINT / LOW POINT
- 7050 — PROPOSED CONTOURS
- 5975 — EXISTING CONTOURS
- DRAINAGE SWALE
- 4:1 — SLOPE LABEL
- OVERLAND FLOW
- LIMITS OF DISTURBANCE/ CONSTRUCTION SITE BOUNDARY
- FILING No.1 LIMITS
- OVERFLOW ROUTE

Know what's **below.** **Call** before you dig.

NOTES:
1. THE EXISTING FMIC DITCH SHALL REMAIN IN PLACE AND ACTIVE UNTIL THE FMIC STORM PIPE IS INSTALLED AND ACCEPTED.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

N

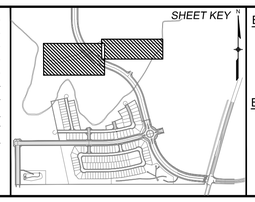
GRAPHIC SCALE
50' 0 50' 100'
(IN FEET)
1 inch = 50' ft.

REFERENCE DRAWINGS
X-Title-GEC
D-EX-TOPO
X-104.216-PR-SITE - F1
X-104-EX-BASE
X-EX-BASE
X-EX-MAP
X-EX-UTIL
X-104.216-PR-UTILITIES-F1

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT
FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01-GRADING.dwg
CTB FILE: ----
PLOT DATE: April 10, 2026 11:57:30 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.



BENCHMARK
PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING
BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

CORVALLIS FILING NO. 1

CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

GRADING PLANS

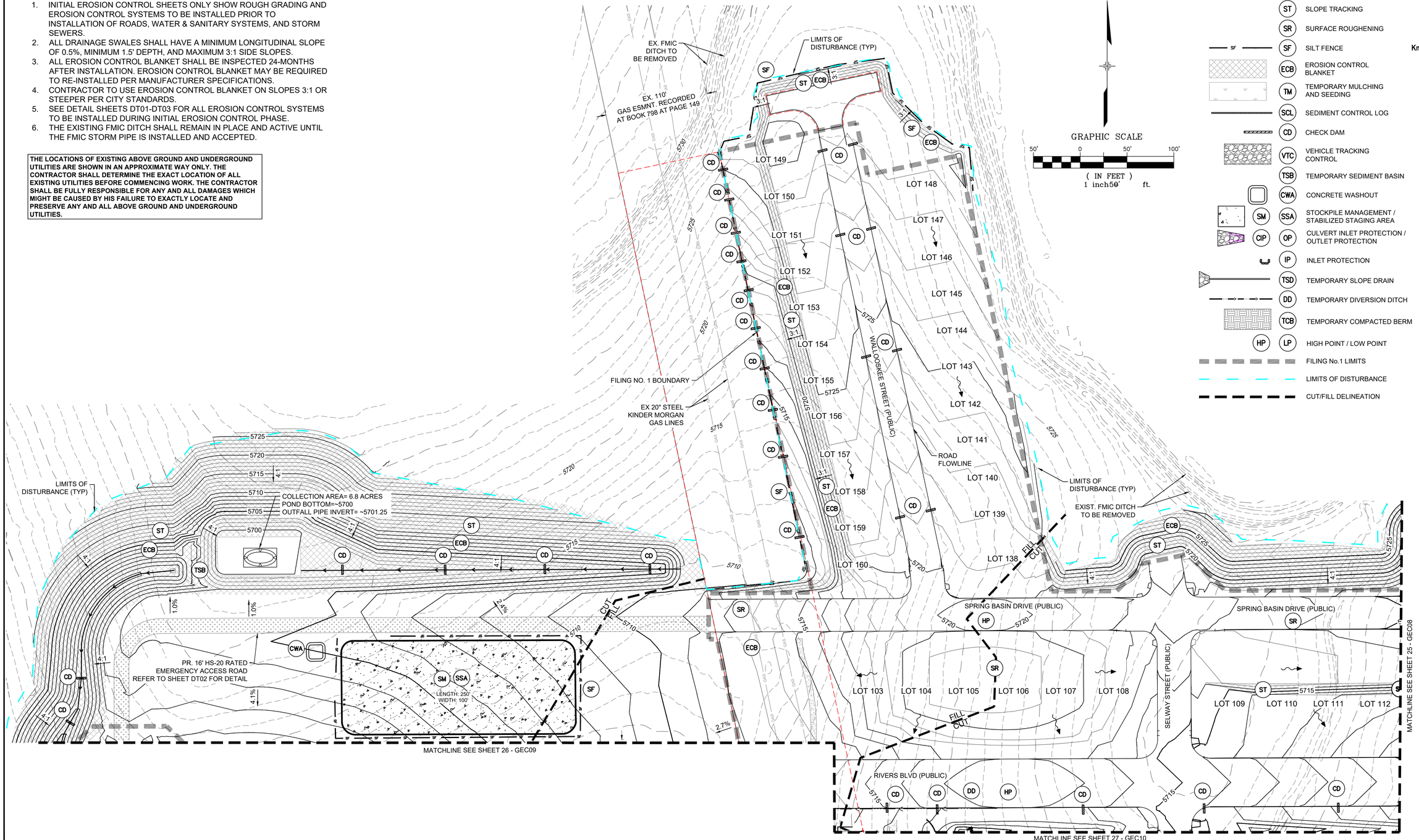
DESIGNED BY:	RWO	SCALE		DATE ISSUED:	APRIL 2026
DRAWN BY:	RWO	HORIZ.	1"=50'		
CHECKED BY:	JAO	VERT.	N/A	SHEET	23 OF 167

DRAWING No. GEC06

NOTES:

1. INITIAL EROSION CONTROL SHEETS ONLY SHOW ROUGH GRADING AND EROSION CONTROL SYSTEMS TO BE INSTALLED PRIOR TO INSTALLATION OF ROADS, WATER & SANITARY SYSTEMS, AND STORM SEWERS.
2. ALL DRAINAGE SWALES SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.5%, MINIMUM 1.5' DEPTH, AND MAXIMUM 3:1 SIDE SLOPES.
3. ALL EROSION CONTROL BLANKET SHALL BE INSPECTED 24-MONTHS AFTER INSTALLATION. EROSION CONTROL BLANKET MAY BE REQUIRED TO RE-INSTALLED PER MANUFACTURER SPECIFICATIONS.
4. CONTRACTOR TO USE EROSION CONTROL BLANKET ON SLOPES 3:1 OR STEEPER PER CITY STANDARDS.
5. SEE DETAIL SHEETS DT01-DT03 FOR ALL EROSION CONTROL SYSTEMS TO BE INSTALLED DURING INITIAL EROSION CONTROL PHASE.
6. THE EXISTING FMIC DITCH SHALL REMAIN IN PLACE AND ACTIVE UNTIL THE FMIC STORM PIPE IS INSTALLED AND ACCEPTED.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.



EROSION CONTROL LEGEND

- ST — SLOPE TRACKING
- SR — SURFACE ROUGHENING
- SF — SILT FENCE
- ECB — EROSION CONTROL BLANKET
- TM — TEMPORARY MULCHING AND SEEDING
- SCL — SEDIMENT CONTROL LOG
- CD — CHECK DAM
- VTC — VEHICLE TRACKING CONTROL
- TSB — TEMPORARY SEDIMENT BASIN
- CWA — CONCRETE WASHOUT
- SM / SSA — STOCKPILE MANAGEMENT / STABILIZED STAGING AREA
- CIP / OP — CULVERT INLET PROTECTION / OUTLET PROTECTION
- IP — INLET PROTECTION
- TSD — TEMPORARY SLOPE DRAIN
- DD — TEMPORARY DIVERSION DITCH
- TCB — TEMPORARY COMPACTED BERM
- HP / LP — HIGH POINT / LOW POINT
- FILING No.1 LIMITS
- LIMITS OF DISTURBANCE
- CUT/FILL DELINEATION

Know what's **below.** **Call** before you dig.

REFERENCE DRAWINGS
X-Title-GEC
X-104.216-PR-SITE - F1
X-EX-BASE
X-EX-MAP
X-104-EX-UTIL

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01.DWG
CTB FILE: ----
PLOT DATE: April 10, 2026 11:57:52 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

SHEET KEY

BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

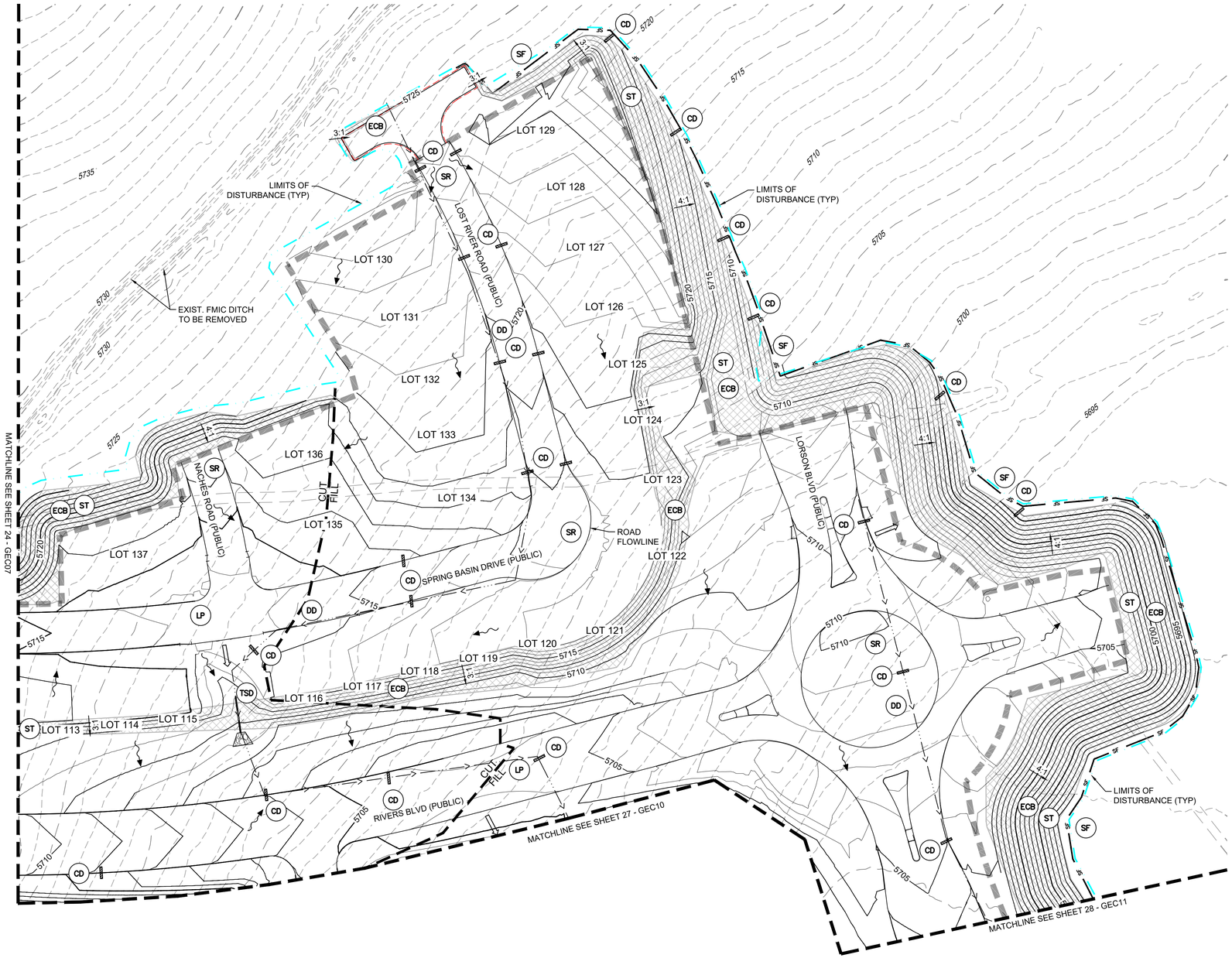
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

CORVALLIS FILING NO. 1

CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

INITIAL EROSION CONTROL PLANS

DESIGNED BY:	RWO	SCALE	DATE ISSUED:	APRIL 2026	DRAWING No.
DRAWN BY:	RWO	HORIZ. 1"=50'			
CHECKED BY:	JAO	VERT. N/A	SHEET	24 OF 167	GEC07



EROSION CONTROL LEGEND

- ST — SLOPE TRACKING
- SR — SURFACE ROUGHENING
- SF — SILT FENCE
- ECB — EROSION CONTROL BLANKET
- TM — TEMPORARY MULCHING AND SEEDING
- SCL — SEDIMENT CONTROL LOG
- CD — CHECK DAM
- VTC — VEHICLE TRACKING CONTROL
- TSB — TEMPORARY SEDIMENT BASIN
- CWA — CONCRETE WASHOUT
- SM / SSA — STOCKPILE MANAGEMENT / STABILIZED STAGING AREA
- CIP / OP — CULVERT INLET PROTECTION / OUTLET PROTECTION
- IP — INLET PROTECTION
- TSD — TEMPORARY SLOPE DRAIN
- DD — TEMPORARY DIVERSION DITCH
- TCB — TEMPORARY COMPACTED BERM
- HP / LP — HIGH POINT / LOW POINT
- FILING No.1 LIMITS
- LIMITS OF DISTURBANCE
- CUT/FILL DELINEATION

NOTES:

1. INITIAL EROSION CONTROL SHEETS ONLY SHOW ROUGH GRADING AND EROSION CONTROL SYSTEMS TO BE INSTALLED PRIOR TO INSTALLATION OF ROADS, WATER & SANITARY SYSTEMS, AND STORM SEWERS.
2. ALL DRAINAGE SWALES SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.5%, MINIMUM 1.5' DEPTH, AND MAXIMUM 3:1 SIDE SLOPES.
3. ALL EROSION CONTROL BLANKET SHALL BE INSPECTED 24-MONTHS AFTER INSTALLATION. EROSION CONTROL BLANKET MAY BE REQUIRED TO RE-INSTALLED PER MANUFACTURER SPECIFICATIONS.
4. CONTRACTOR TO USE EROSION CONTROL BLANKET ON SLOPES 3:1 OR STEEPER PER CITY STANDARDS.
5. SEE DETAIL SHEETS DT01-DT03 FOR ALL EROSION CONTROL SYSTEMS TO BE INSTALLED DURING INITIAL EROSION CONTROL PHASE.
6. THE EXISTING FMIC DITCH SHALL REMAIN IN PLACE AND ACTIVE UNTIL THE FMIC STORM PIPE IS INSTALLED AND ACCEPTED.

Know what's **below.** **Call** before you dig.

N

GRAPHIC SCALE
50' 0 50' 100'
(IN FEET)
1 inch = 50' ft.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

REFERENCE DRAWINGS

X-Title-GEC
X-104.216-PR-SITE - F1
X-EX-BASE
X-EX-MAP
X-104-EX-UTIL

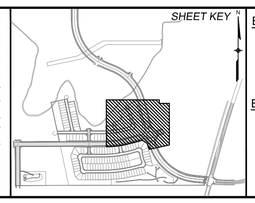
No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01.DWG
CTB FILE: ----
PLOT DATE: April 10, 2026 11:57:54 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

SHEET KEY



BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

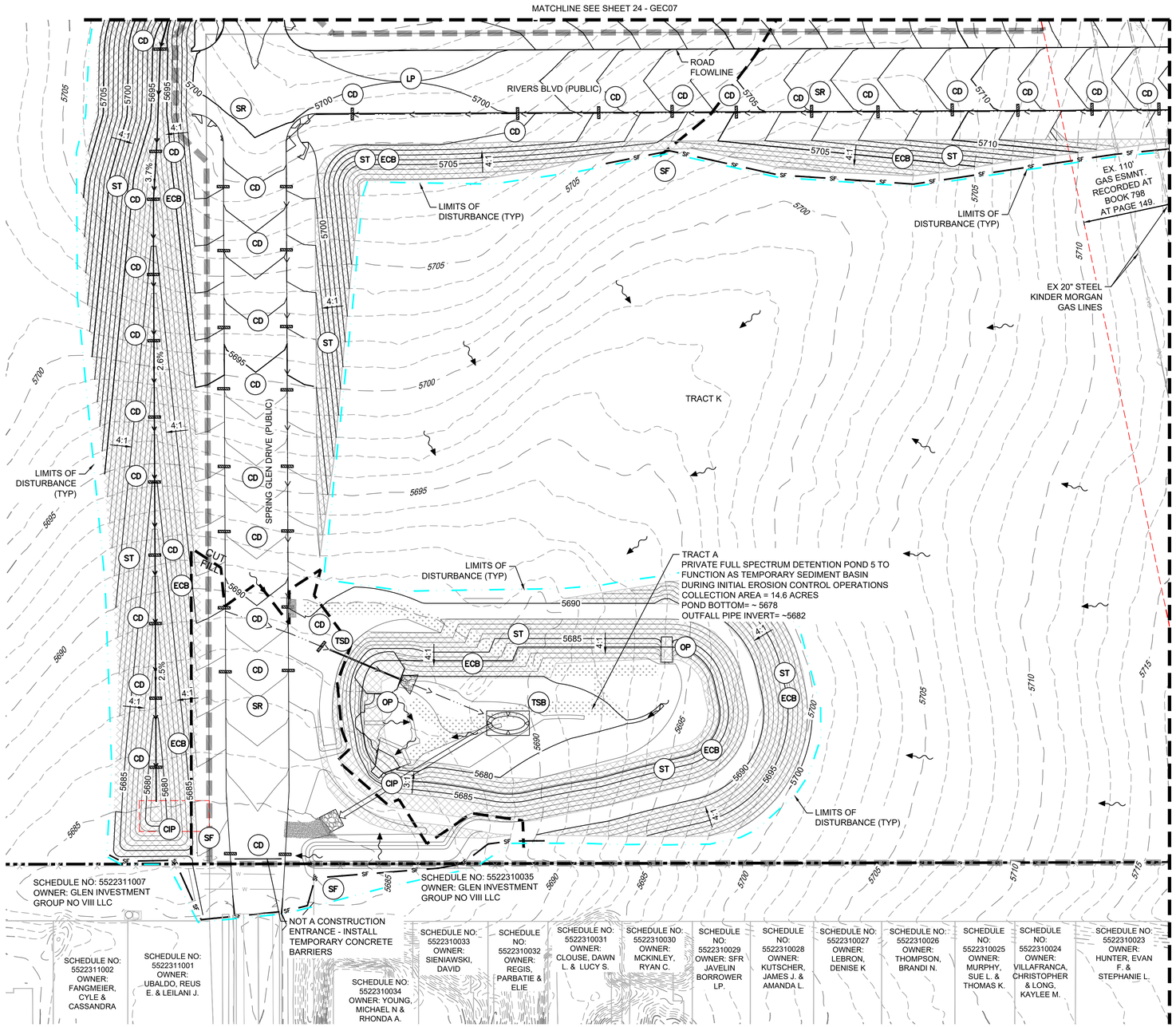
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

CORVALLIS FILING NO. 1

CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

INITIAL EROSION CONTROL PLANS

DESIGNED BY:	RWO	SCALE		DATE ISSUED:	APRIL 2026
DRAWN BY:	RWO	HORIZ.	1"=50'	SHEET	25 OF 167
CHECKED BY:	JAO	VERT.	N/A	DRAWING No.	GEC08



EROSION CONTROL LEGEND

- ST — SLOPE TRACKING
- SR — SURFACE ROUGHENING
- SF — SILT FENCE
- ECB — EROSION CONTROL BLANKET
- TM — TEMPORARY MULCHING AND SEEDING
- SCL — SEDIMENT CONTROL LOG
- CD — CHECK DAM
- VTC — VEHICLE TRACKING CONTROL
- TSB — TEMPORARY SEDIMENT BASIN
- CWA — CONCRETE WASHOUT
- SM / SSA — STOCKPILE MANAGEMENT / STABILIZED STAGING AREA
- CIP / OP — CULVERT INLET PROTECTION / OUTLET PROTECTION
- IP — INLET PROTECTION
- TSD — TEMPORARY SLOPE DRAIN
- DD — TEMPORARY DIVERSION DITCH
- TCB — TEMPORARY COMPACTED BERM
- HP / LP — HIGH POINT / LOW POINT
- FILING No.1 LIMITS
- LIMITS OF DISTURBANCE
- CUT/FILL DELINEATION

NOTES:

1. INITIAL EROSION CONTROL SHEETS ONLY SHOW ROUGH GRADING AND EROSION CONTROL SYSTEMS TO BE INSTALLED PRIOR TO INSTALLATION OF ROADS, WATER & SANITARY SYSTEMS, AND STORM SEWERS.
2. ALL DRAINAGE SWALES SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.5%, MINIMUM 1.5' DEPTH, AND MAXIMUM 3:1 SIDE SLOPES.
3. ALL EROSION CONTROL BLANKET SHALL BE INSPECTED 24-MONTHS AFTER INSTALLATION. EROSION CONTROL BLANKET MAY BE REQUIRED TO RE-INSTALLED PER MANUFACTURER SPECIFICATIONS.
4. CONTRACTOR TO USE EROSION CONTROL BLANKET ON SLOPES 3:1 OR STEEPER PER CITY STANDARDS.
5. SEE DETAIL SHEETS DT01-DT03 FOR ALL EROSION CONTROL SYSTEMS TO BE INSTALLED DURING INITIAL EROSION CONTROL PHASE.
6. THE EXISTING FMIC DITCH SHALL REMAIN IN PLACE AND ACTIVE UNTIL THE FMIC STORM PIPE IS INSTALLED AND ACCEPTED.

N

GRAPHIC SCALE

50' 0 50' 100'

(IN FEET)
1 inch = 50' ft.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

Know what's below. Call before you dig.

REFERENCE DRAWINGS

X-Title-GEC
X-104.216-PR-SITE - F1
X-EX-BASE
X-EX-MAP
X-104-EX-UTIL

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01.DWG
CTB FILE: ----
PLOT DATE: April 10, 2026 11:57:56 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

SHEET KEY

BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

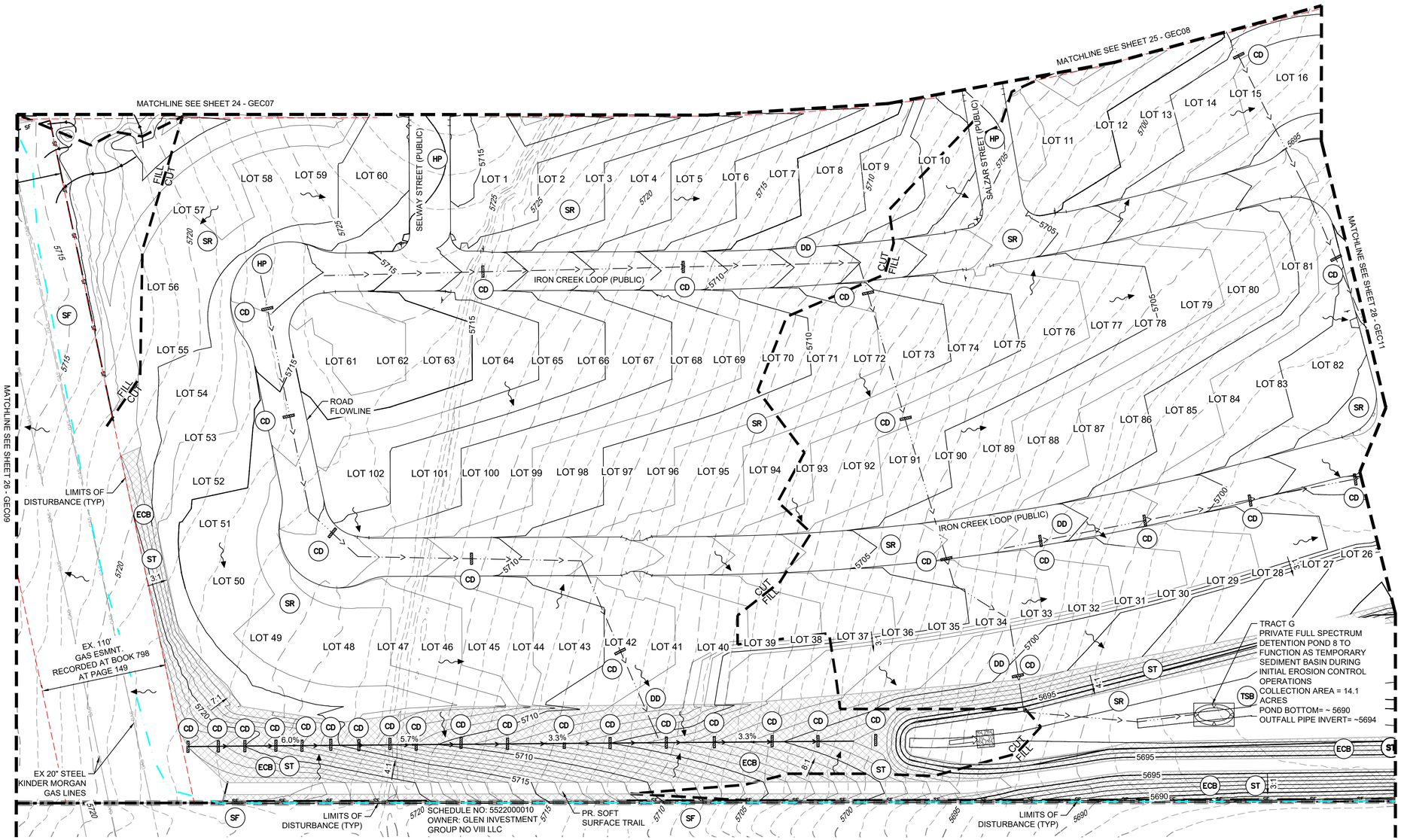
CORVALLIS FILING NO. 1

CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

INITIAL EROSION CONTROL PLANS

DESIGNED BY:	RWO	SCALE		DATE ISSUED:	APRIL 2026	DRAWING No.
DRAWN BY:	RWO	HORIZ.	1"=50'			
CHECKED BY:	JAO	VERT.	N/A	SHEET	26 OF 167	GEC09

811 Know what's below. Call before you dig.



EROSION CONTROL LEGEND

- ST — SLOPE TRACKING
- SR — SURFACE ROUGHENING
- SF — SILT FENCE
- ECB — EROSION CONTROL BLANKET
- TM — TEMPORARY MULCHING AND SEEDING
- SCL — SEDIMENT CONTROL LOG
- CD — CHECK DAM
- VTC — VEHICLE TRACKING CONTROL
- TSB — TEMPORARY SEDIMENT BASIN
- CWA — CONCRETE WASHOUT
- SM / SSA — STOCKPILE MANAGEMENT / STABILIZED STAGING AREA
- CIP / OP — CULVERT INLET PROTECTION / OUTLET PROTECTION
- IP — INLET PROTECTION
- TSD — TEMPORARY SLOPE DRAIN
- DD — TEMPORARY DIVERSION DITCH
- TCB — TEMPORARY COMPACTED BERM
- HP / LP — HIGH POINT / LOW POINT
- FILING No.1 LIMITS
- LIMITS OF DISTURBANCE
- CUT/FILL DELINEATION

NOTES:

1. INITIAL EROSION CONTROL SHEETS ONLY SHOW ROUGH GRADING AND EROSION CONTROL SYSTEMS TO BE INSTALLED PRIOR TO INSTALLATION OF ROADS, WATER & SANITARY SYSTEMS, AND STORM SEWERS.
2. ALL DRAINAGE SWALES SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.5%, MINIMUM 1.5' DEPTH, AND MAXIMUM 3:1 SIDE SLOPES.
3. ALL EROSION CONTROL BLANKET SHALL BE INSPECTED 24-MONTHS AFTER INSTALLATION. EROSION CONTROL BLANKET MAY BE REQUIRED TO RE-INSTALLED PER MANUFACTURER SPECIFICATIONS.
4. CONTRACTOR TO USE EROSION CONTROL BLANKET ON SLOPES 3:1 OR STEEPER PER CITY STANDARDS.
5. SEE DETAIL SHEETS DT01-DT03 FOR ALL EROSION CONTROL SYSTEMS TO BE INSTALLED DURING INITIAL EROSION CONTROL PHASE.
6. THE EXISTING FMIC DITCH SHALL REMAIN IN PLACE AND ACTIVE UNTIL THE FMIC STORM PIPE IS INSTALLED AND ACCEPTED.

N

GRAPHIC SCALE
50' 0 50' 100'
(IN FEET)
1 inch = 50 ft.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

REFERENCE DRAWINGS

X-Title-GEC
X-104.216-PR-SITE - F1
X-EX-BASE
X-EX-MAP
X-104-EX-UTIL

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01.DWG
CTB FILE: ----
PLOT DATE: April 10, 2026 11:57:58 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

SHEET KEY

BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

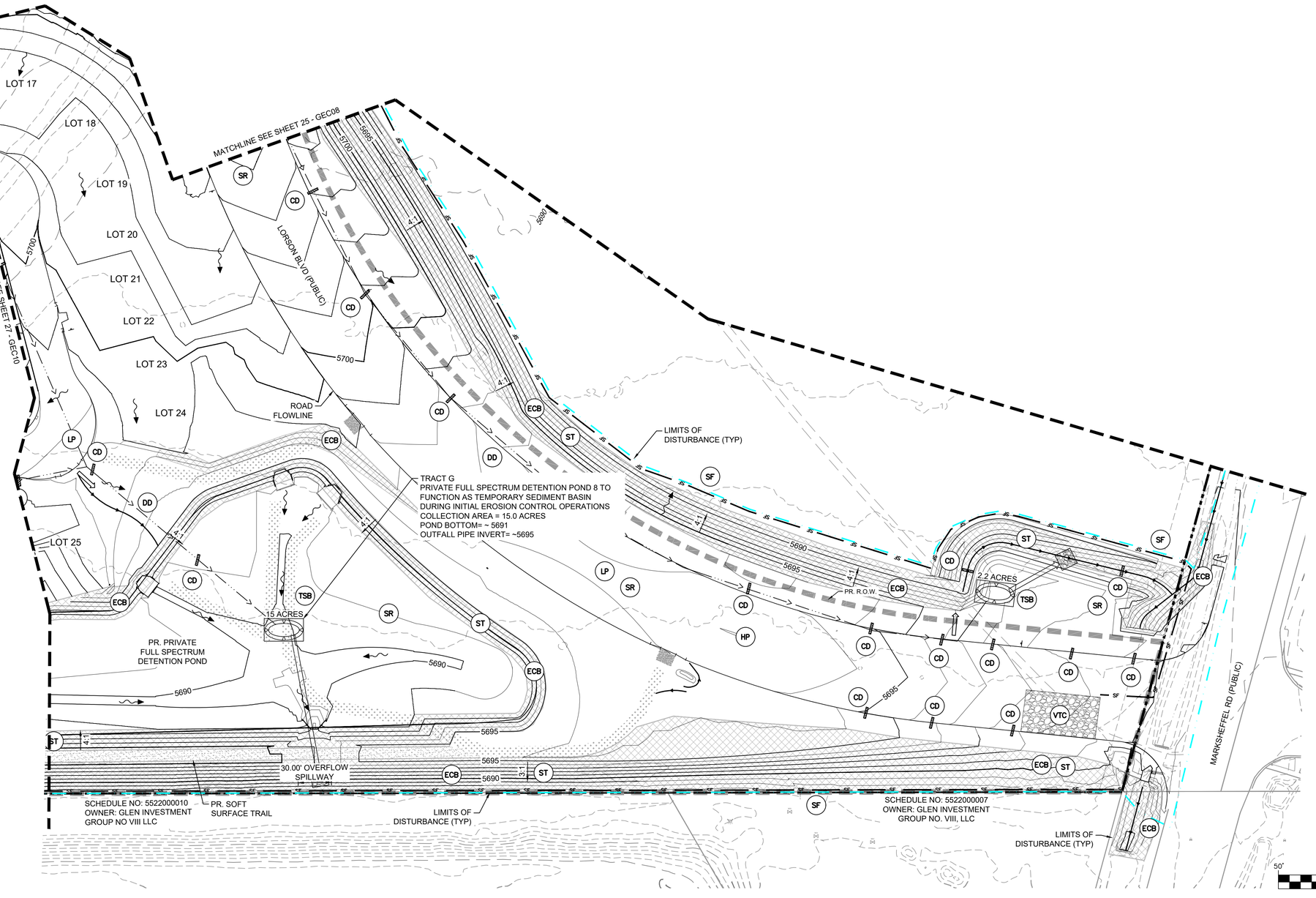
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

CORVALLIS FILING NO. 1

CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

INITIAL EROSION CONTROL PLANS

DESIGNED BY:	RWO	SCALE		DATE ISSUED:	APRIL 2026
DRAWN BY:	RWO	HORIZ.	1"=50'		
CHECKED BY:	JAO	VERT.	N/A	SHEET	27 OF 167
				DRAWING No.	GEC10



EROSION CONTROL LEGEND

- ST — SLOPE TRACKING
- SR — SURFACE ROUGHENING
- SF — SILT FENCE
- ECB — EROSION CONTROL BLANKET
- TM — TEMPORARY MULCHING AND SEEDING
- SCL — SEDIMENT CONTROL LOG
- CD — CHECK DAM
- VTC — VEHICLE TRACKING CONTROL
- TSB — TEMPORARY SEDIMENT BASIN
- CWA — CONCRETE WASHOUT
- SM / SSA — STOCKPILE MANAGEMENT / STABILIZED STAGING AREA
- CIP / OP — CULVERT INLET PROTECTION / OUTLET PROTECTION
- IP — INLET PROTECTION
- TSD — TEMPORARY SLOPE DRAIN
- DD — TEMPORARY DIVERSION DITCH
- TCB — TEMPORARY COMPACTED BERM
- HP / LP — HIGH POINT / LOW POINT
- FILING No.1 LIMITS
- LIMITS OF DISTURBANCE
- CUT/FILL DELINEATION

Know what's **below.** **Call** before you dig.

NOTES:

1. INITIAL EROSION CONTROL SHEETS ONLY SHOW ROUGH GRADING AND EROSION CONTROL SYSTEMS TO BE INSTALLED PRIOR TO INSTALLATION OF ROADS, WATER & SANITARY SYSTEMS, AND STORM SEWERS.
2. ALL DRAINAGE SWALES SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.5%, MINIMUM 1.5' DEPTH, AND MAXIMUM 3:1 SIDE SLOPES.
3. ALL EROSION CONTROL BLANKET SHALL BE INSPECTED 24-MONTHS AFTER INSTALLATION. EROSION CONTROL BLANKET MAY BE REQUIRED TO RE-INSTALLED PER MANUFACTURER SPECIFICATIONS.
4. CONTRACTOR TO USE EROSION CONTROL BLANKET ON SLOPES 3:1 OR STEEPER PER CITY STANDARDS.
5. SEE DETAIL SHEETS DT01-DT03 FOR ALL EROSION CONTROL SYSTEMS TO BE INSTALLED DURING INITIAL EROSION CONTROL PHASE.
6. THE EXISTING FMIC DITCH SHALL REMAIN IN PLACE AND ACTIVE UNTIL THE FMIC STORM PIPE IS INSTALLED AND ACCEPTED.

N

GRAPHIC SCALE
50' 0 50' 100'
(IN FEET)
1 inch = 50 ft.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

REFERENCE DRAWINGS

X-Title-GEC
X-104.216-PR-SITE - F1
X-EX-BASE
X-EX-MAP
X-104-EX-UTIL

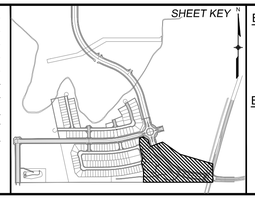
No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01.DWG
CTB FILE: ----
PLOT DATE: April 10, 2026 11:58:00 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

SHEET KEY



BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

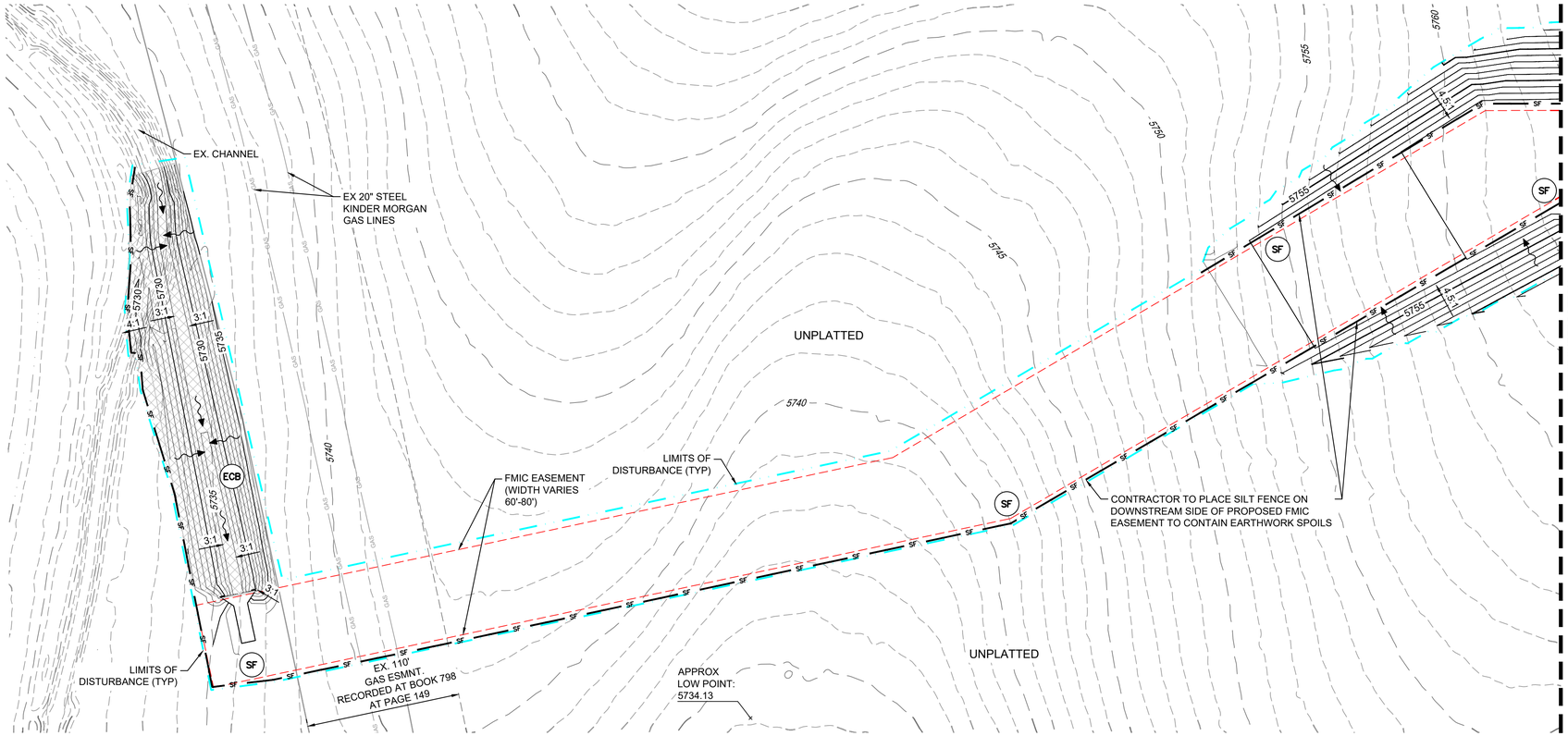
CORVALLIS FILING NO. 1

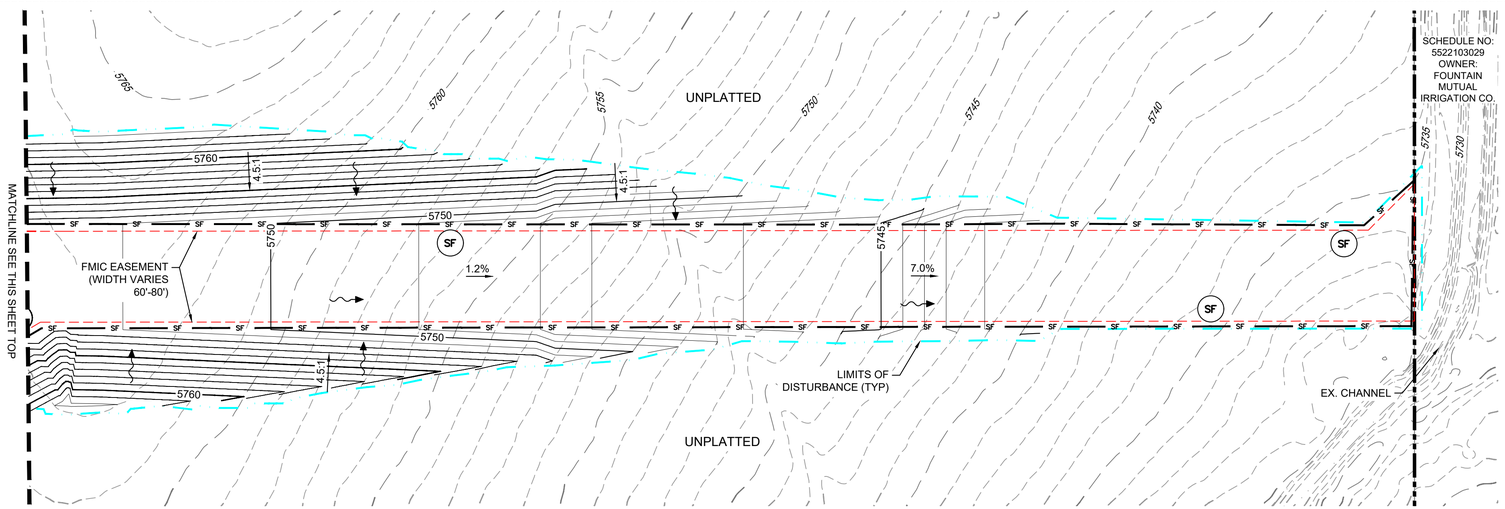
CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

INITIAL EROSION CONTROL PLANS

DESIGNED BY:	RWO	SCALE		*DATE ISSUED:*	APRIL 2026
DRAWN BY:	RWO	*HORIZ.*	1"=50'		
CHECKED BY:	JAO	*VERT.*	N/A	*SHEET*	28 *OF* 167

DRAWING No. GEC11





EROSION CONTROL LEGEND

- ST — SLOPE TRACKING
- SR — SURFACE ROUGHENING
- SF — SILT FENCE
- ECB — EROSION CONTROL BLANKET
- TM — TEMPORARY MULCHING AND SEEDING
- SCL — SEDIMENT CONTROL LOG
- CD — CHECK DAM
- VTC — VEHICLE TRACKING CONTROL
- TSB — TEMPORARY SEDIMENT BASIN
- CWA — CONCRETE WASHOUT
- SM / SSA — STOCKPILE MANAGEMENT / STABILIZED STAGING AREA
- CIP / OP — CULVERT INLET PROTECTION / OUTLET PROTECTION
- IP — INLET PROTECTION
- TSD — TEMPORARY SLOPE DRAIN
- DD — TEMPORARY DIVERSION DITCH
- TCB — TEMPORARY COMPACTED BERM
- HP / LP — HIGH POINT / LOW POINT
- FILING No.1 LIMITS
- LIMITS OF DISTURBANCE
- CUT/FILL DELINEATION

Know what's **below.** **Call** before you dig.

NOTES:

1. INITIAL EROSION CONTROL SHEETS ONLY SHOW ROUGH GRADING AND EROSION CONTROL SYSTEMS TO BE INSTALLED PRIOR TO INSTALLATION OF ROADS, WATER & SANITARY SYSTEMS, AND STORM SEWERS.
2. ALL DRAINAGE SWALES SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.5%, MINIMUM 1.5' DEPTH, AND MAXIMUM 3:1 SIDE SLOPES.
3. ALL EROSION CONTROL BLANKET SHALL BE INSPECTED 24-MONTHS AFTER INSTALLATION. EROSION CONTROL BLANKET MAY BE REQUIRED TO RE-INSTALLED PER MANUFACTURER SPECIFICATIONS.
4. CONTRACTOR TO USE EROSION CONTROL BLANKET ON SLOPES 3:1 OR STEEPER PER CITY STANDARDS.
5. SEE DETAIL SHEETS DT01-DT03 FOR ALL EROSION CONTROL SYSTEMS TO BE INSTALLED DURING INITIAL EROSION CONTROL PHASE.
6. THE EXISTING FMIC DITCH SHALL REMAIN IN PLACE AND ACTIVE UNTIL THE FMIC STORM PIPE IS INSTALLED AND ACCEPTED.

N

GRAPHIC SCALE
50' 0 50' 100'
(IN FEET)
1 inch = 50' ft.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

REFERENCE DRAWINGS

X-Title-GEC
X-104.216-PR-SITE - F1
X-EX-BASE
X-EX-MAP
X-104-EX-UTIL

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01.DWG
CTB FILE: ----
PLOT DATE: April 10, 2026 11:58:02 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

SHEET KEY

BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

CORVALLIS FILING NO. 1

CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

INITIAL EROSION CONTROL PLANS

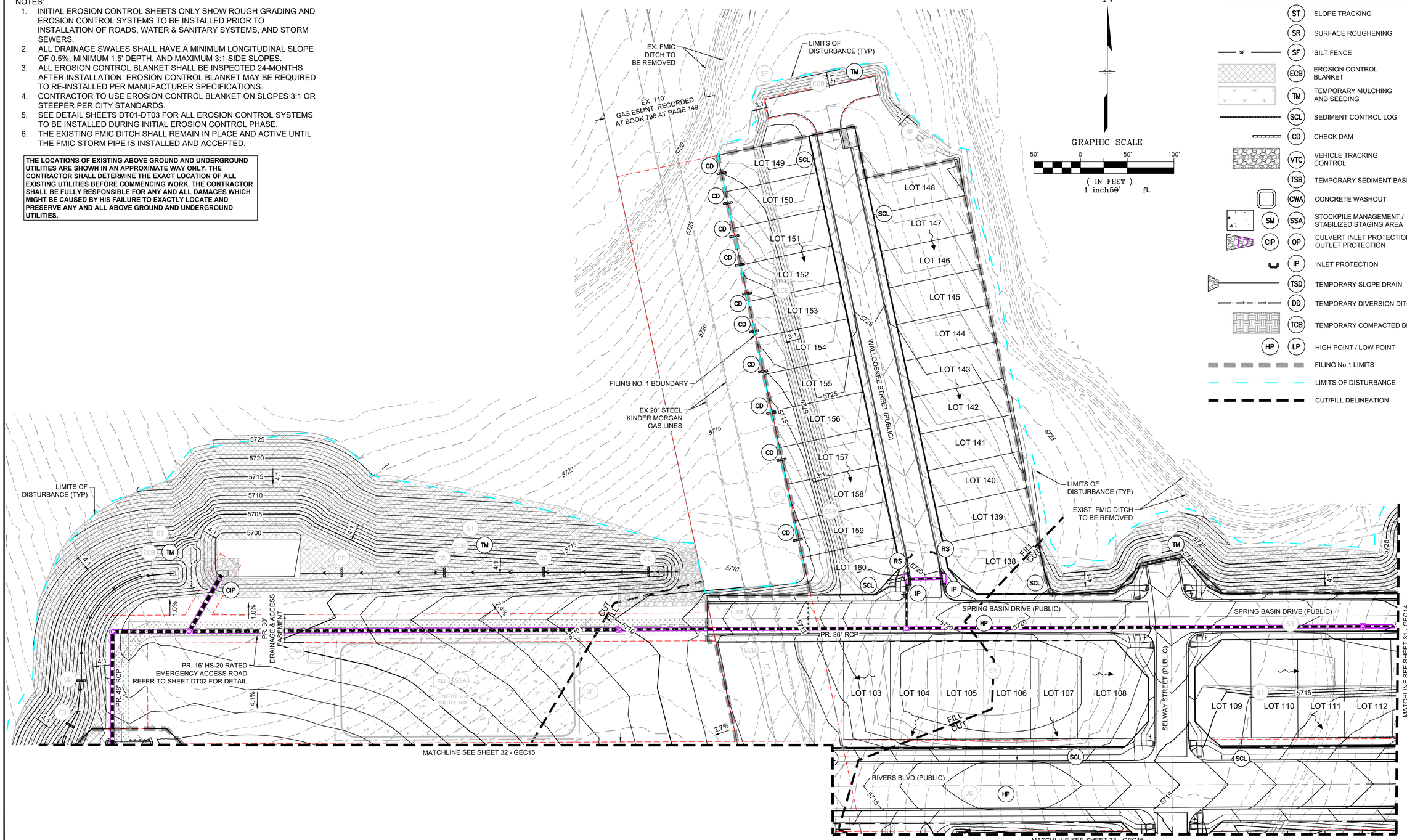
DESIGNED BY:	RWO	SCALE		DATE ISSUED:	APRIL 2026
DRAWN BY:	RWO	HORIZ.	1"=50'	SHEET	29 OF 167
CHECKED BY:	JAO	VERT.	N/A		

DRAWING No. GEC12

NOTES:

1. INITIAL EROSION CONTROL SHEETS ONLY SHOW ROUGH GRADING AND EROSION CONTROL SYSTEMS TO BE INSTALLED PRIOR TO INSTALLATION OF ROADS, WATER & SANITARY SYSTEMS, AND STORM SEWERS.
2. ALL DRAINAGE SWALES SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.5%, MINIMUM 1.5' DEPTH, AND MAXIMUM 3:1 SIDE SLOPES.
3. ALL EROSION CONTROL BLANKET SHALL BE INSPECTED 24-MONTHS AFTER INSTALLATION. EROSION CONTROL BLANKET MAY BE REQUIRED TO RE-INSTALLED PER MANUFACTURER SPECIFICATIONS.
4. CONTRACTOR TO USE EROSION CONTROL BLANKET ON SLOPES 3:1 OR STEEPER PER CITY STANDARDS.
5. SEE DETAIL SHEETS DT01-DT03 FOR ALL EROSION CONTROL SYSTEMS TO BE INSTALLED DURING INITIAL EROSION CONTROL PHASE.
6. THE EXISTING FMIC DITCH SHALL REMAIN IN PLACE AND ACTIVE UNTIL THE FMIC STORM PIPE IS INSTALLED AND ACCEPTED.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.



EROSION CONTROL LEGEND

SHEET No. 30

- ST — SLOPE TRACKING
- SR — SURFACE ROUGHENING
- SF — SILT FENCE
- ECB — EROSION CONTROL BLANKET
- TM — TEMPORARY MULCHING AND SEEDING
- SCL — SEDIMENT CONTROL LOG
- CD — CHECK DAM
- VTC — VEHICLE TRACKING CONTROL
- TSB — TEMPORARY SEDIMENT BASIN
- CWA — CONCRETE WASHOUT
- SM / SSA — STOCKPILE MANAGEMENT / STABILIZED STAGING AREA
- CIP / OP — CULVERT INLET PROTECTION / OUTLET PROTECTION
- IP — INLET PROTECTION
- TSD — TEMPORARY SLOPE DRAIN
- DD — TEMPORARY DIVERSION DITCH
- TCB — TEMPORARY COMPACTED BERM
- HP / LP — HIGH POINT / LOW POINT
- FILING No.1 LIMITS
- LIMITS OF DISTURBANCE
- CUT/FILL DELINEATION

Know what's **below.** **Call** before you dig. 811

REFERENCE DRAWINGS
X-Title-GEC
X-104.216-PR-SITE - F1
X-EX-BASE
X-EX-MAP
X-104-EX-UTIL

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01.DWG
CTB FILE: ----
PLOT DATE: April 10, 2026 11:58:04 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

SHEET KEY

BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY

THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

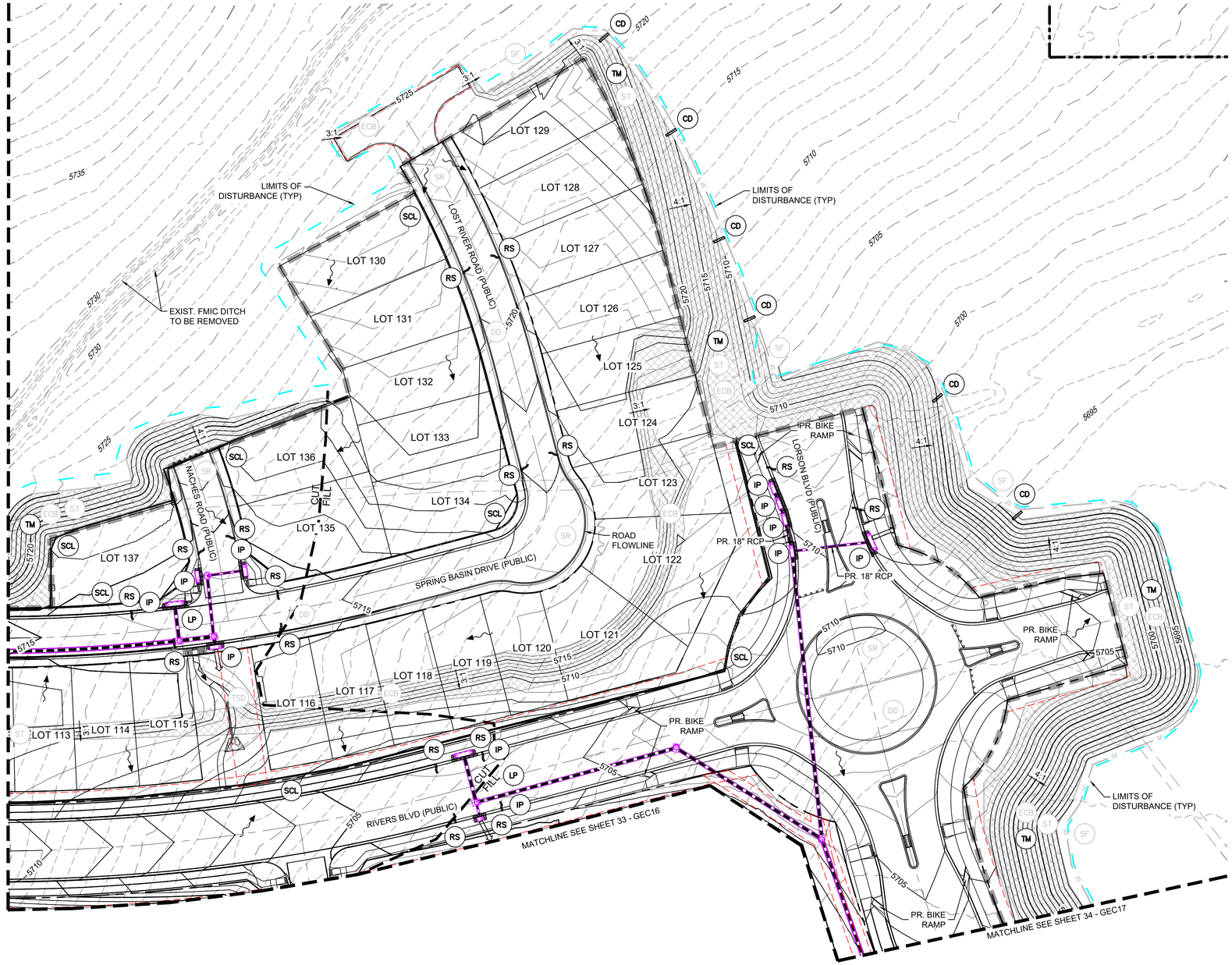
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

CORVALLIS FILING NO. 1

CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

INTERIM & FINAL EROSION CONTROL PLANS

DESIGNED BY:	RWO	SCALE		DATE ISSUED:	APRIL 2026	DRAWING No.
DRAWN BY:	RWO	HORIZ.	1"=50'			
CHECKED BY:	JAO	VERT.	N/A	SHEET	30 OF 167	GEC13



EROSION CONTROL LEGEND

- ST — SLOPE TRACKING
- SR — SURFACE ROUGHENING
- SF — SILT FENCE
- ECB — EROSION CONTROL BLANKET
- TM — TEMPORARY MULCHING AND SEEDING
- SCL — SEDIMENT CONTROL LOG
- CD — CHECK DAM
- VTC — VEHICLE TRACKING CONTROL
- TSB — TEMPORARY SEDIMENT BASIN
- CWA — CONCRETE WASHOUT
- SM / SSA — STOCKPILE MANAGEMENT / STABILIZED STAGING AREA
- CIP / OP — CULVERT INLET PROTECTION / OUTLET PROTECTION
- IP — INLET PROTECTION
- TSD — TEMPORARY SLOPE DRAIN
- DD — TEMPORARY DIVERSION DITCH
- TCB — TEMPORARY COMPACTED BERM
- HP / LP — HIGH POINT / LOW POINT
- FILING No.1 LIMITS
- LIMITS OF DISTURBANCE
- CUT/FILL DELINEATION

Know what's **below.** **Call** before you dig.

NOTES:

1. ALL DRAINAGE SWALES SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.5%, MINIMUM 1.5' DEPTH, AND MAXIMUM 3:1 SIDE SLOPES.
2. ALL EROSION CONTROL BLANKET SHALL BE INSPECTED 24-MONTHS AFTER INSTALLATION. EROSION CONTROL BLANKET MAY BE REQUIRED TO RE-INSTALLED PER MANUFACTURER SPECIFICATIONS.
3. CONTRACTOR TO USE SLOPE TRACKING OR EROSION CONTROL BLANKET ON SLOPES 3:1 OR STEEPER PER CITY STANDARDS.
4. INITIAL BMP'S (GRAYED OUT) TO BE USED IN CONJUNCTION WITH INTERIM AND FINAL BMP'S TO PROVIDE FINAL STABILIZATION.
5. THE EXISTING FMIC DITCH SHALL REMAIN IN PLACE AND ACTIVE UNTIL THE FMIC STORM PIPE IS INSTALLED AND ACCEPTED.

N

GRAPHIC SCALE
50' 0 50' 100'
(IN FEET)
1 inch = 50' ft.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

REFERENCE DRAWINGS
X-Title-GEC
X-104.216-PR-SITE - F1
X-EX-BASE
X-EX-MAP
X-104-EX-UTIL

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT
FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01.DWG
CTB FILE: ----
PLOT DATE: April 10, 2026 12:52:58 PM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

SHEET KEY

BENCHMARK
PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING
BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

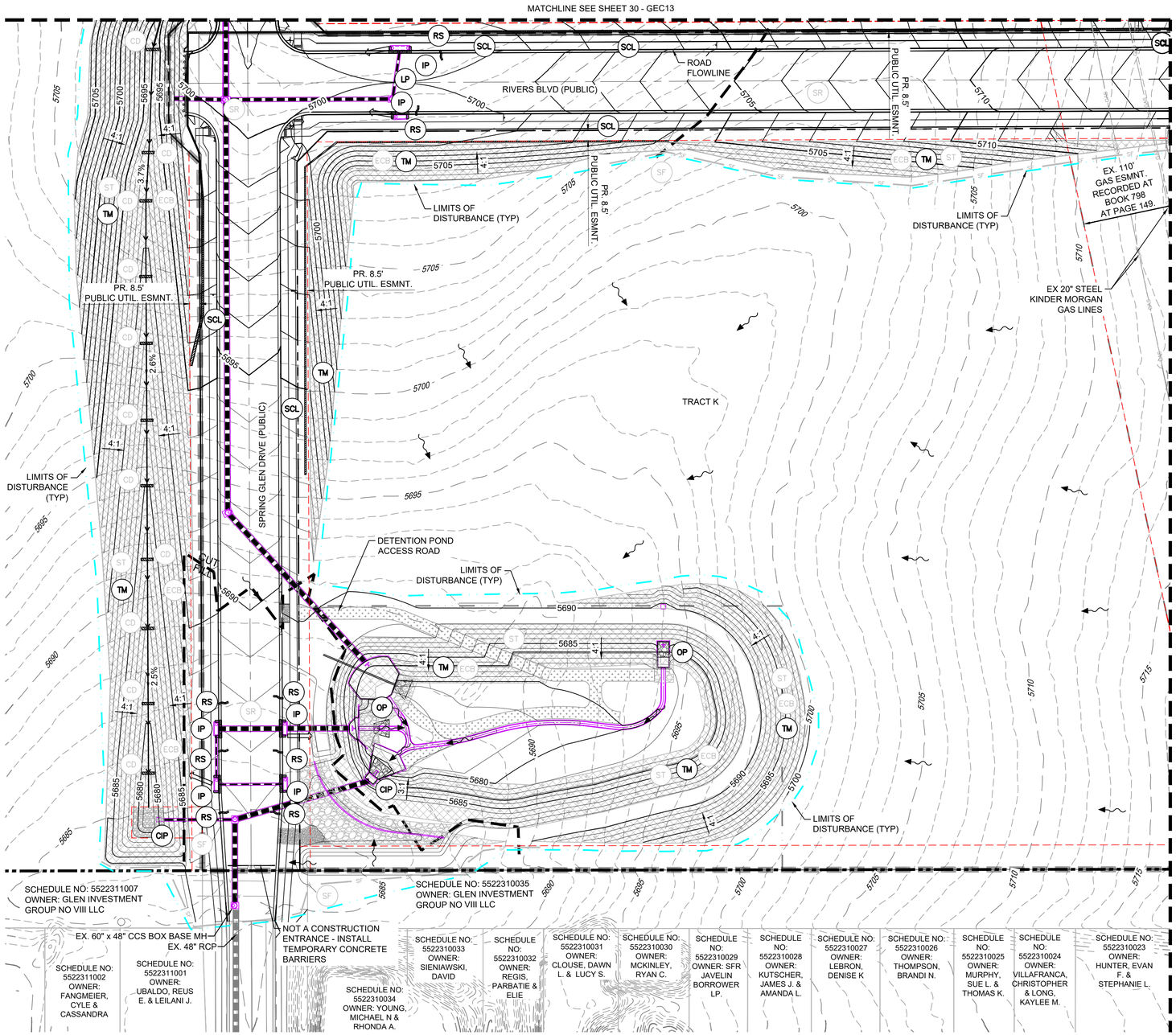
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

CORVALLIS FILING NO. 1

CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

INTERIM & FINAL EROSION CONTROL PLANS

DESIGNED BY:	RWO	SCALE		DATE ISSUED:	APRIL 2026
DRAWN BY:	RWO	HORIZ.	1"=50'	SHEET	31 OF 167
CHECKED BY:	JAO	VERT.	N/A	DRAWING No.	GEC14



EROSION CONTROL LEGEND

- ST — SLOPE TRACKING
- SR — SURFACE ROUGHENING
- SF — SILT FENCE
- ECB — EROSION CONTROL BLANKET
- TM — TEMPORARY MULCHING AND SEEDING
- SCL — SEDIMENT CONTROL LOG
- CD — CHECK DAM
- VTC — VEHICLE TRACKING CONTROL
- TSB — TEMPORARY SEDIMENT BASIN
- CWA — CONCRETE WASHOUT
- SM / SSA — STOCKPILE MANAGEMENT / STABILIZED STAGING AREA
- CIP / OP — CULVERT INLET PROTECTION / OUTLET PROTECTION
- IP — INLET PROTECTION
- TSD — TEMPORARY SLOPE DRAIN
- DD — TEMPORARY DIVERSION DITCH
- TCB — TEMPORARY COMPACTED BERM
- HP / LP — HIGH POINT / LOW POINT
- FILING No.1 LIMITS
- LIMITS OF DISTURBANCE
- CUT/FILL DELINEATION

Know what's **below.** **Call** before you dig.

NOTES:

1. ALL DRAINAGE SWALES SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.5%, MINIMUM 1.5' DEPTH, AND MAXIMUM 3:1 SIDE SLOPES.
2. ALL EROSION CONTROL BLANKET SHALL BE INSPECTED 24-MONTHS AFTER INSTALLATION. EROSION CONTROL BLANKET MAY BE REQUIRED TO RE-INSTALLED PER MANUFACTURER SPECIFICATIONS.
3. CONTRACTOR TO USE SLOPE TRACKING OR EROSION CONTROL BLANKET ON SLOPES 3:1 OR STEEPER PER CITY STANDARDS.
4. INITIAL BMP'S (GRAYED OUT) TO BE USED IN CONJUNCTION WITH INTERIM AND FINAL BMP'S TO PROVIDE FINAL STABILIZATION.
5. THE EXISTING FMIC DITCH SHALL REMAIN IN PLACE AND ACTIVE UNTIL THE FMIC STORM PIPE IS INSTALLED AND ACCEPTED.

N

GRAPHIC SCALE

50' 0 50' 100'

(IN FEET)
1 inch = 50' ft.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

REFERENCE DRAWINGS

X-Title-GEC
X-104.216-PR-SITE - F1
X-EX-BASE
X-EX-MAP
X-104-EX-UTIL

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01.DWG
CTB FILE: ----
PLOT DATE: April 10, 2026 11:58:08 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

SHEET KEY

BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

CORVALLIS FILING NO. 1

CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

INTERIM & FINAL EROSION CONTROL PLANS

DESIGNED BY:	RWO	SCALE		DATE ISSUED:	APRIL 2026
DRAWN BY:	RWO	HORIZ.	1"=50'	SHEET	32 OF 167
CHECKED BY:	JAO	VERT.	N/A	DRAWING No.	GEC15

811 Know what's below. Call before you dig.

EROSION CONTROL LEGEND

ST	SLOPE TRACKING	
SR	SURFACE ROUGHENING	
SF	SILT FENCE	SF
ECB	EROSION CONTROL BLANKET	
TM	TEMPORARY MULCHING AND SEEDING	
SCL	SEDIMENT CONTROL LOG	
CD	CHECK DAM	
VTC	VEHICLE TRACKING CONTROL	
TSB	TEMPORARY SEDIMENT BASIN	
CWA	CONCRETE WASHOUT	
SM / SSA	STOCKPILE MANAGEMENT / STABILIZED STAGING AREA	
CIP / OP	CULVERT INLET PROTECTION / OUTLET PROTECTION	
IP	INLET PROTECTION	
TSD	TEMPORARY SLOPE DRAIN	
DD	TEMPORARY DIVERSION DITCH	
TCB	TEMPORARY COMPACTED BERM	
HP / LP	HIGH POINT / LOW POINT	
	FILING No.1 LIMITS	
	LIMITS OF DISTURBANCE	
	CUT/FILL DELINEATION	

NOTES:

1. ALL DRAINAGE SWALES SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.5%, MINIMUM 1.5' DEPTH, AND MAXIMUM 3:1 SIDE SLOPES.
2. ALL EROSION CONTROL BLANKET SHALL BE INSPECTED 24-MONTHS AFTER INSTALLATION. EROSION CONTROL BLANKET MAY BE REQUIRED TO RE-INSTALLED PER MANUFACTURER SPECIFICATIONS.
3. CONTRACTOR TO USE SLOPE TRACKING OR EROSION CONTROL BLANKET ON SLOPES 3:1 OR STEEPER PER CITY STANDARDS.
4. INITIAL BMP'S (GRAYED OUT) TO BE USED IN CONJUNCTION WITH INTERIM AND FINAL BMP'S TO PROVIDE FINAL STABILIZATION.
5. THE EXISTING FMIC DITCH SHALL REMAIN IN PLACE AND ACTIVE UNTIL THE FMIC STORM PIPE IS INSTALLED AND ACCEPTED.

N

GRAPHIC SCALE

50' 0 50' 100'

(IN FEET)
1 inch = 50' ft.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

REFERENCE DRAWINGS

X-Title-GEC
X-104.216-PR-SITE - F1
X-EX-BASE
X-EX-MAP
X-104-EX-UTIL

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01.DWG
CTB FILE: ----
PLOT DATE: April 10, 2026 11:58:11 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

SHEET KEY

BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

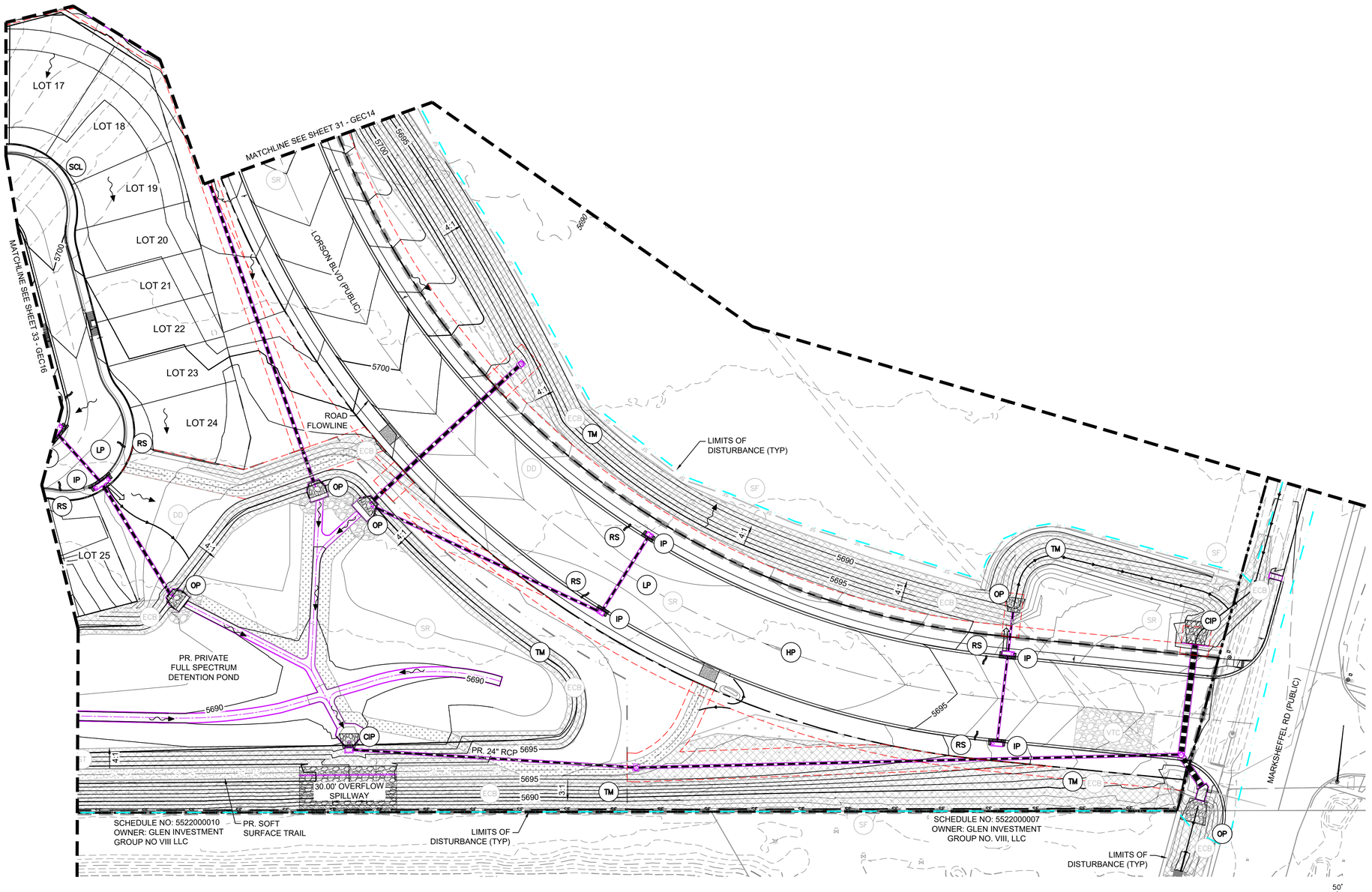
CORVALLIS FILING NO. 1

CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

INTERIM & FINAL EROSION CONTROL PLANS

DESIGNED BY:	RWO	SCALE		DATE ISSUED:	APRIL 2026
DRAWN BY:	RWO	HORIZ.	1"=50'	DRAWING No.	GEC16
CHECKED BY:	JAO	VERT.	N/A	SHEET	33 OF 167

Know what's **below.** **Call** before you dig.



EROSION CONTROL LEGEND

- ST — SLOPE TRACKING
- SR — SURFACE ROUGHENING
- SF — SILT FENCE
- ECB — EROSION CONTROL BLANKET
- TM — TEMPORARY MULCHING AND SEEDING
- SCL — SEDIMENT CONTROL LOG
- CD — CHECK DAM
- VTC — VEHICLE TRACKING CONTROL
- TSB — TEMPORARY SEDIMENT BASIN
- CWA — CONCRETE WASHOUT
- SM / SSA — STOCKPILE MANAGEMENT / STABILIZED STAGING AREA
- CIP / OP — CULVERT INLET PROTECTION / OUTLET PROTECTION
- IP — INLET PROTECTION
- TSD — TEMPORARY SLOPE DRAIN
- DD — TEMPORARY DIVERSION DITCH
- TCB — TEMPORARY COMPACTED BERM
- HP / LP — HIGH POINT / LOW POINT
- FILING No.1 LIMITS
- LIMITS OF DISTURBANCE
- CUT/FILL DELINEATION

NOTES:

1. ALL DRAINAGE SWALES SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.5%, MINIMUM 1.5' DEPTH, AND MAXIMUM 3:1 SIDE SLOPES.
2. ALL EROSION CONTROL BLANKET SHALL BE INSPECTED 24-MONTHS AFTER INSTALLATION. EROSION CONTROL BLANKET MAY BE REQUIRED TO RE-INSTALLED PER MANUFACTURER SPECIFICATIONS.
3. CONTRACTOR TO USE SLOPE TRACKING OR EROSION CONTROL BLANKET ON SLOPES 3:1 OR STEEPER PER CITY STANDARDS.
4. INITIAL BMP'S (GRAYED OUT) TO BE USED IN CONJUNCTION WITH INTERIM AND FINAL BMP'S TO PROVIDE FINAL STABILIZATION.
5. THE EXISTING FMIC DITCH SHALL REMAIN IN PLACE AND ACTIVE UNTIL THE FMIC STORM PIPE IS INSTALLED AND ACCEPTED.

N

GRAPHIC SCALE
50' 0 50' 100'
(IN FEET)
1 inch 50' ft.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

REFERENCE DRAWINGS

X-Title-GEC
X-104.216-PR-SITE - F1
X-EX-BASE
X-EX-MAP
X-104-EX-UTIL

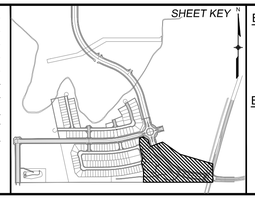
No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01.DWG
CTB FILE: ----
PLOT DATE: April 10, 2026 11:58:12 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

SHEET KEY



BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY:

Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

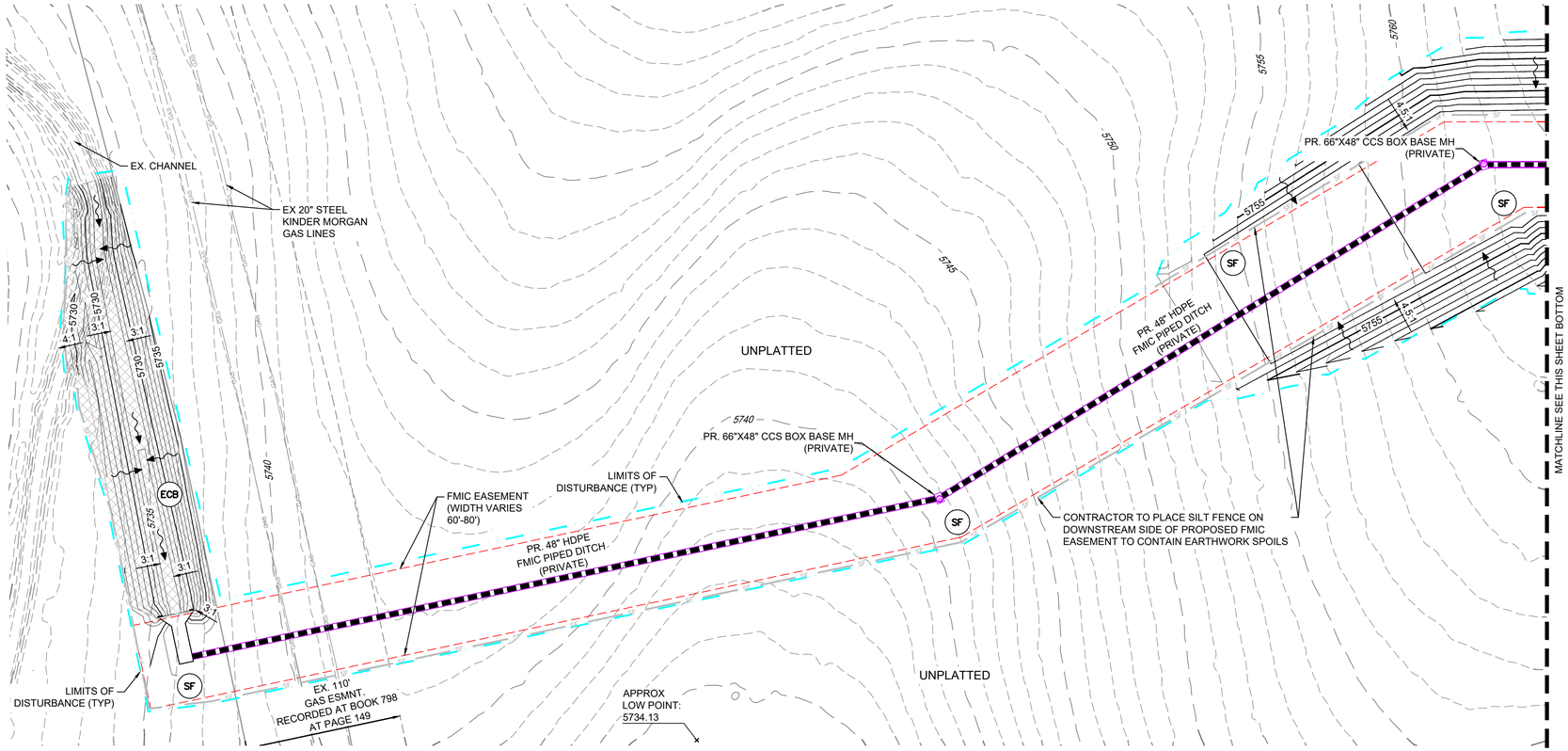
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

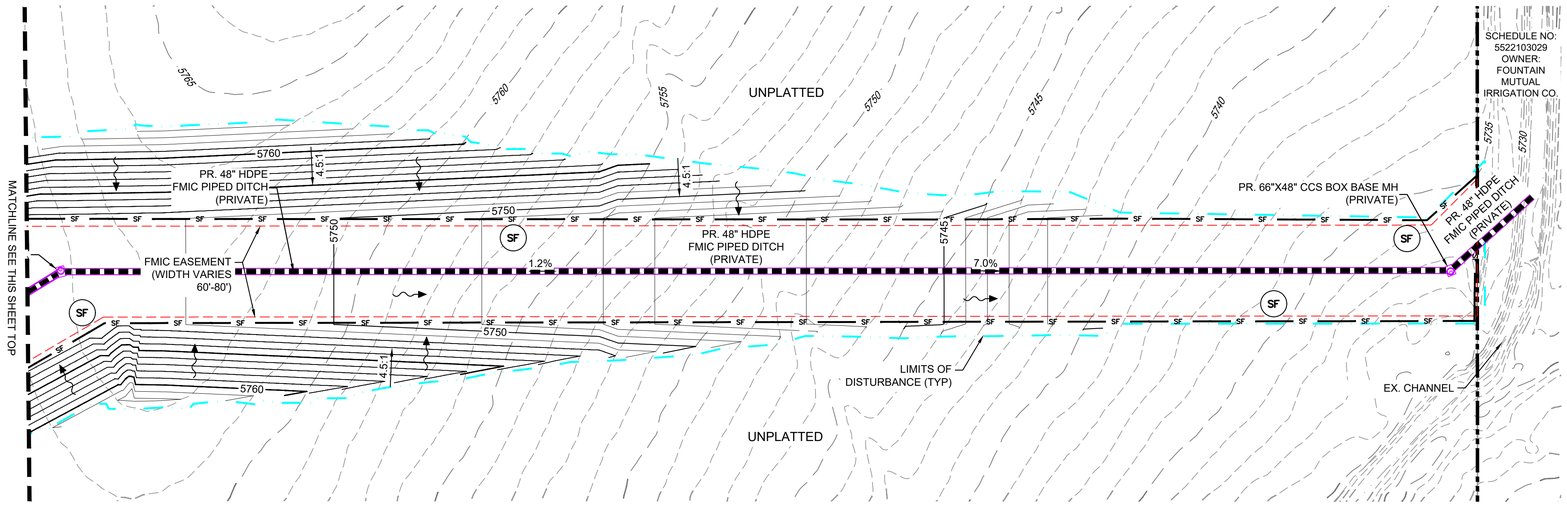
CORVALLIS FILING NO. 1

CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

INTERIM & FINAL EROSION CONTROL PLANS

DESIGNED BY:	RWO	SCALE		*DATE ISSUED:*	APRIL 2026	*DRAWING No.*
DRAWN BY:	RWO	*HORIZ.*	1"=50'			
CHECKED BY:	JAO	*VERT.*	N/A	*SHEET*	34 *OF* 167	GEC17





EROSION CONTROL LEGEND

- ST — SLOPE TRACKING
- SR — SURFACE ROUGHENING
- SF — SILT FENCE
- ECB — EROSION CONTROL BLANKET
- TM — TEMPORARY MULCHING AND SEEDING
- SCL — SEDIMENT CONTROL LOG
- CD — CHECK DAM
- VTC — VEHICLE TRACKING CONTROL
- TSB — TEMPORARY SEDIMENT BASIN
- CWA — CONCRETE WASHOUT
- SM / SSA — STOCKPILE MANAGEMENT / STABILIZED STAGING AREA
- CIP / OP — CULVERT INLET PROTECTION / OUTLET PROTECTION
- IP — INLET PROTECTION
- TSD — TEMPORARY SLOPE DRAIN
- DD — TEMPORARY DIVERSION DITCH
- TCB — TEMPORARY COMPACTED BERM
- HP / LP — HIGH POINT / LOW POINT
- FILING No.1 LIMITS
- LIMITS OF DISTURBANCE
- CUT/FILL DELINEATION

Know what's **below.** **Call** before you dig.

NOTES:

1. ALL DRAINAGE SWALES SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.5%, MINIMUM 1.5' DEPTH, AND MAXIMUM 3:1 SIDE SLOPES.
2. ALL EROSION CONTROL BLANKET SHALL BE INSPECTED 24-MONTHS AFTER INSTALLATION. EROSION CONTROL BLANKET MAY BE REQUIRED TO RE-INSTALLED PER MANUFACTURER SPECIFICATIONS.
3. CONTRACTOR TO USE SLOPE TRACKING OR EROSION CONTROL BLANKET ON SLOPES 3:1 OR STEEPER PER CITY STANDARDS.
4. INITIAL BMP'S (GRAYED OUT) TO BE USED IN CONJUNCTION WITH INTERIM AND FINAL BMP'S TO PROVIDE FINAL STABILIZATION.
5. THE EXISTING FMIC DITCH SHALL REMAIN IN PLACE AND ACTIVE UNTIL THE FMIC STORM PIPE IS INSTALLED AND ACCEPTED.

N

GRAPHIC SCALE

50' 0 50' 100'

(IN FEET)

1 inch 50' ft.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

REFERENCE DRAWINGS

X-Title-GEC
X-104.216-PR-SITE - F1
X-EX-BASE
X-EX-MAP
X-104-EX-UTIL

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01.DWG
CTB FILE: ----
PLOT DATE: April 10, 2026 11:58:15 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

SHEET KEY

BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

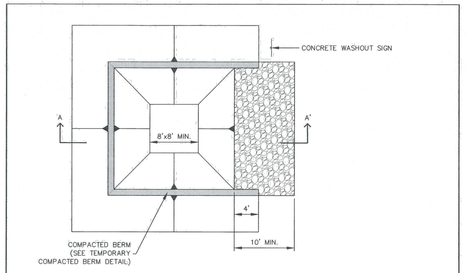
CORVALLIS FILING NO. 1

CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

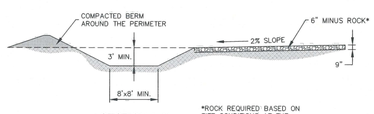
INTERIM & FINAL EROSION CONTROL PLANS

DESIGNED BY:	RWO	SCALE		DATE ISSUED:	APRIL 2026	DRAWING No.
DRAWN BY:	RWO	HORIZ.	1"=50'			
CHECKED BY:	JAO	VERT.	N/A	SHEET	35 OF 167	GEC18

811 Know what's below. Call before you dig.



CONCRETE WASHOUT AREA PLAN



SECTION A-A'

*ROCK REQUIRED BASED ON SITE CONDITIONS AT THE DISCRETION OF THE QEC INSPECTOR

CWA

STORMWATER ENTERPRISE | CONCRETE WASHOUT AREA | APPROVED: CMENT MANAGER | ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-CWA-1

INSTALLATION NOTES

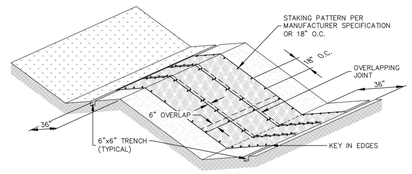
1. SEE PLAN VIEW FOR:
   –LOCATION OF CONCRETE WASHOUT AREA
2. LOCATE AT LEAST 50' AWAY FROM STATE WATERS MEASURED HORIZONTALLY.
3. AN IMPERMEABLE LINER (16 MIL. MINIMUM THICKNESS) IS REQUIRED IF CONCRETE WASH AREA IS LOCATED WITHIN 400' OF STATE WATERS OR 1000' OF WELLS OR DRINKING WATER SOURCES.
4. DO NOT LOCATE IN AREAS WHERE SHALLOW GROUNDWATER MAY BE PRESENT.
5. THE CONCRETE WASH AREA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
6. CONCRETE WASH AREA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8'.
7. BERM SURROUNDING SIDES AND BACK OF CONCRETE WASH AREA SHALL HAVE A MINIMUM HEIGHT OF 2 FEET.
8. CONCRETE WASH AREA ENTRANCE SHALL BE SLOPED 2% TOWARDS THE CONCRETE WASH AREA.
9. SIGNS SHALL BE PLACED AT THE CONCRETE WASH AREA.
10. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

MAINTENANCE NOTES

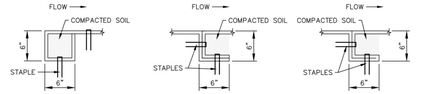
1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. THE CONCRETE WASH AREA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS ACCUMULATED IN THE PIT SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF ⅔ THE HEIGHT OF THE CONCRETE WASH AREA.
3. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE, AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER–TIGHT CONTAINER AND DISPOSED OF PROPERLY.
4. THE CONCRETE WASH AREA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
5. PERMANENTLY STABILIZE AREA AFTER CONCRETE WASH AREA IS REMOVED.

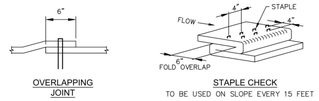
CWA

STORMWATER ENTERPRISE | CONCRETE WASHOUT AREA | APPROVED: CMENT MANAGER | ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-CWA-2



EROSION CONTROL BLANKET





ECB

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

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

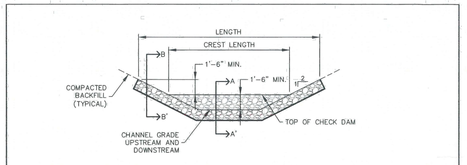
1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. EROSION CONTROL BLANKETS SHALL BE LEFT IN PLACE TO EVENTUALLY BIODEGRADE. TRM MUST BE REMOVED AT THE DISCRETION OF THE QEC 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

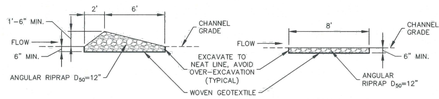
TYPE	COCONUT CONTENT	STRAW CONTENT	EXCELSIOR CONTENT	RECOMMENDED NETTING
STRAW	–	100%	–	DOUBLE/ NATURAL
STRAW–COCONUT	30% MIN.	70% MAX.	–	DOUBLE/ NATURAL
COCONUT	100%	–	–	DOUBLE/ NATURAL
EXCELSIOR	–	–	100%	DOUBLE/ NATURAL

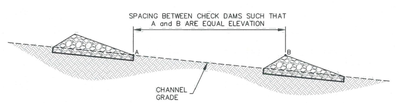
ECB

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



CHECK DAM ELEVATION VIEW





PROFILE

INSTALLATION NOTES

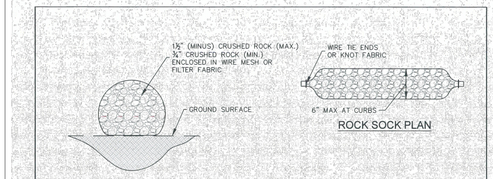
1. CHECK DAMS SHOULD BE INSTALLED BEFORE UPSTREAM LAND DISTURBING ACTIVITIES.
2. RIPRAP PAD SHOULD BE TRENCHED INTO GROUND BY A MINIMUM OF 6".

MAINTENANCE NOTES

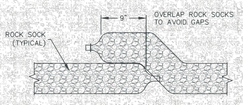
1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. ACCUMULATED SEDIMENT MUST BE REMOVED WHEN THE HEIGHT REACHES ⅓ THE HEIGHT OF THE CHECK DAM CREST.
3. CHECK DAMS MUST REMAIN UNTIL THE UPSTREAM DISTURBANCE AREA IS STABILIZED.
4. PERMANENTLY STABILIZE AREA AFTER CHECK DAMS ARE REMOVED IF REMOVAL IS REQUIRED.

CD

STORMWATER ENTERPRISE | CHECK DAM | APPROVED: CMENT MANAGER | ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-CD



ROCK SOCK SECTION



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

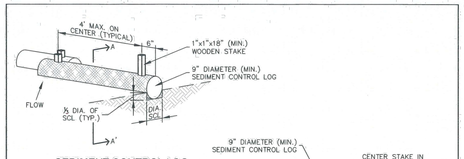
1. CRUSHED ROCK SHALL BE BETWEEN MAX. 1½" (MINUS) IN SIZE WITH A FRACTURED FACE (ALL SIDES) AND SHALL COMPLY WITH GRADATION SHOWN ON THIS SHEET AND MIN. ¾" CRUSHED ROCK.
2. WIRE MESH SHALL HAVE OPENINGS SMALLER THAN THE SMALLEST SIZE ROCK.
3. WIRE MESH SHALL BE SECURED USING "HOG RINGS" OR WIRE TIES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

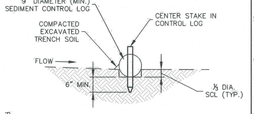
MAINTENANCE NOTES

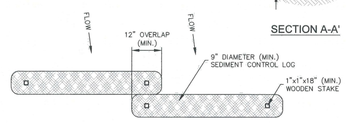
1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED OR DAMAGED BEYOND REPAIR.
3. ACCUMULATED SEDIMENT SHALL 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

STORMWATER ENTERPRISE | ROCK SOCK | APPROVED: CMENT MANAGER | ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-RS







INSTALLATION NOTES

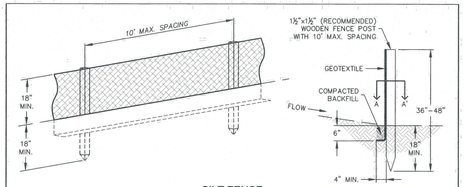
1. ALL SEDIMENT CONTROL LOGS MUST BE EMBEDDED TO ⅓ OF THE HEIGHT OF THE LOG
2. LARGER DIAMETER SEDIMENT CONTROL LOGS NEED TO BE EMBEDDED DEEPER.
3. PLACE SEDIMENT CONTROL LOG AGAINST SIDEWALK OR BACK OF CURB WHEN ADJACENT TO THESE FEATURES.
4. SEDIMENT CONTROL LOGS SHALL CONSIST OF STRAW, COMPOST, EXCELSIOR 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.

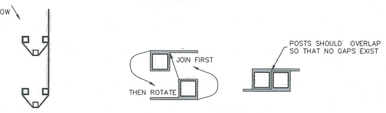
MAINTENANCE NOTES

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

STORMWATER ENTERPRISE | SEDIMENT CONTROL LOGS | APPROVED: CMENT MANAGER | ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-SCL





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

STORMWATER ENTERPRISE | SILT FENCE | APPROVED: CMENT MANAGER | ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-SF

REFERENCE DRAWINGS

X-Title-GEC

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\DT01.dwg
CTB FILE: ----
PLOT DATE: April 10, 2026 11:58:30 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY:

Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

CORVALLIS FILING NO. 1

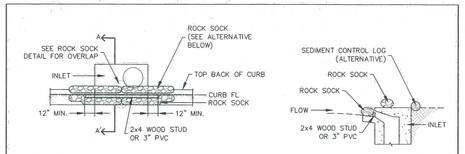
CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

GRADING & EROSION CONTROL DETAILS

DESIGNED BY:	RWO	SCALE		DATE ISSUED:	APRIL 2026
DRAWN BY:	RWO	HORIZ.	N/A		
CHECKED BY:	JAO	VERT.	N/A	SHEET	36 OF 167

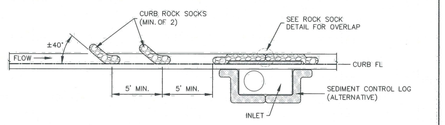
DRAWING No. ECD01

811 Know what's below. Call before you dig.



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.
4. 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

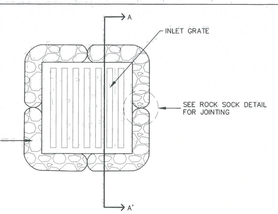
1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. ACCUMULATED SEDIMENT MUST BE REMOVED WHEN THE HEIGHT REACHES ½ OF THE DESIGN DEPTH OF THE INLET BARRIER.
3. ROCK 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.

IP

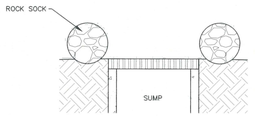
STORMWATER ENTERPRISE

ON-GRADE INLET PROTECTION

APPROVED:		
CMENT MANAGER		
ISSUED: 10/7/19	REVISED: 8/19/2020	DRAWING NO. 900-IP-1



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.

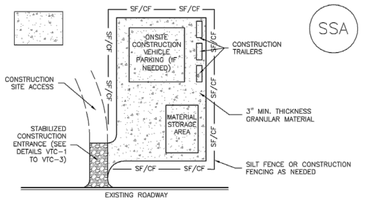
IP

STORMWATER ENTERPRISE

SUMP INLET PROTECTION

APPROVED:		
CMENT MANAGER		
ISSUED: 10/7/19	REVISED: 8/19/2020	DRAWING NO. 900-IP-2

Stabilized Staging Area (SSA) SM-6



SSA-1, STABILIZED STAGING AREA

STABILIZED STAGING AREA INSTALLATION NOTES

1. SEE PLAN VIEW FOR
   -LOCATION OF STAGING AREA(S).
   -CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.
2. STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.
3. STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.
4. THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.
5. UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.
6. ADDITIONAL PERIMETER BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.

STABILIZED STAGING AREA MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

SM-6 Stabilized Staging Area (SSA)

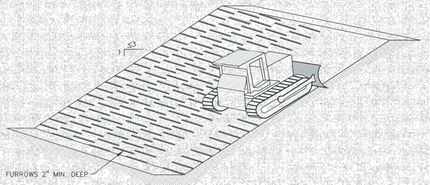
STABILIZED STAGING AREA MAINTENANCE NOTES

5. STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.
6. THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE, AND THE AREA COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.

NOTE: MANY MUNICIPALITIES PROHIBIT THE USE OF RECYCLED CONCRETE AS GRANULAR MATERIAL FOR STABILIZED STAGING AREAS DUE TO DIFFICULTIES WITH RE-ESTABLISHMENT OF VEGETATION IN AREAS WHERE RECYCLED CONCRETE WAS PLACED.

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

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



SLOPE TRACKING

INSTALLATION NOTES

1. SLOPE TRACKING MAY BE USED ON SLOPES 3:1 OR STEEPER.
2. TRACKING GROOVES SHALL BE PERPENDICULAR TO THE SLOPE.
3. SLOPE TRACKING SHALL NOT BE USED ON EXTREMELY SANDY OR ROCKY SOILS.

MAINTENANCE NOTES

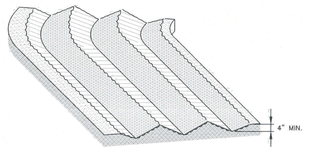
1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. VEHICLES AND EQUIPMENT SHALL NOT BE DRIVEN OVER AREAS THAT HAVE BEEN SLOPE TRACKED.

ST

STORMWATER ENTERPRISE

SLOPE TRACKING

APPROVED:		
CMENT MANAGER		
ISSUED: 10/7/19	REVISED: 8/19/2020	DRAWING NO. 900-ST



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

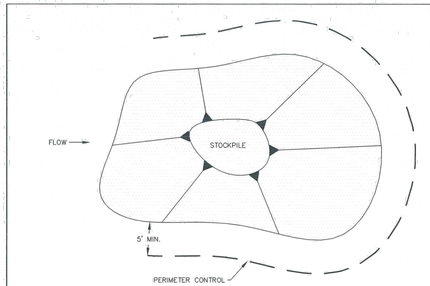
1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. VEHICLES AND EQUIPMENT SHALL NOT BE DRIVEN OVER AREAS THAT HAVE BEEN SURFACE ROUGHENED.

SR

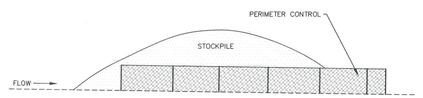
STORMWATER ENTERPRISE

SURFACE ROUGHENING

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



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

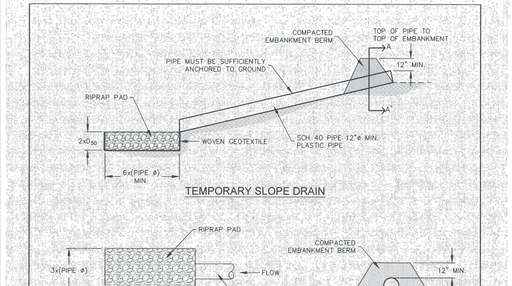
1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. IF PERIMETER CONTROLS MUST BE MOVED TO ACCESS STOCKPILE, REPLACE PERIMETER CONTROLS BY THE END OF THE WORK DAY.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

SM

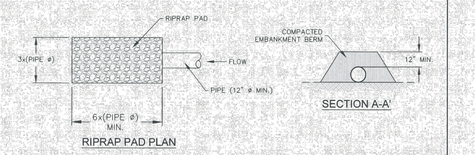
STORMWATER ENTERPRISE

STOCKPILE PROTECTION

APPROVED:		
CMENT MANAGER		
ISSUED: 10/7/19	REVISED: 8/19/2020	DRAWING NO. 900-SP



TEMPORARY SLOPE DRAIN



SECTION A-A'

RIPRAP PAD PLAN

INSTALLATION NOTES

1. THE LISTED DIMENSIONS ARE CONSIDERED A MINIMUM. LARGER DRAINS CAN BE IMPLEMENTED BY THE CONTRACTOR.
2. DETAILS SHOW MINIMUM COVER. INCREASE COVER AS NECESSARY.

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. INSPECT INLETS AND OUTLETS AFTER STORMS TO PREVENT EXCESS CLOGGING. BREACHES IN PIPES SHOULD BE REPAIRED AS SOON AS FEASIBLY POSSIBLE.
3. INSPECT RIPRAP PAD AT OUTLET FOR SIGNS OF EROSION. IF SIGNS OF EROSION EXIST, ADDITIONAL ARMORING MAY BE INSTALLED.
4. TEMPORARY SLOPE DRAINS SHOULD REMAIN UNTIL THEY ARE NOT NEEDED, BUT SHOULD BE REMOVED BEFORE THE END OF CONSTRUCTION.
5. PERMANENTLY STABILIZE AREA AFTER TEMPORARY SLOPE DRAINS ARE REMOVED.

TSD

STORMWATER ENTERPRISE

TEMPORARY SLOPE DRAIN

APPROVED:		
CMENT MANAGER		
ISSUED: 10/7/19	REVISED: 8/19/2020	DRAWING NO. 900-TSD

REFERENCE DRAWINGS

X-Title-GEC

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\DT01.dwg
CTB FILE: ----
PLOT DATE: April 10, 2026 11:58:36 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY:

Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

CORVALLIS FILING NO. 1

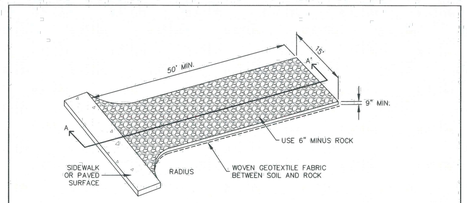
CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

GRADING & EROSION CONTROL DETAILS

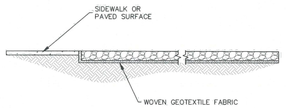
DESIGNED BY:	RWO	SCALE		DATE ISSUED:	APRIL 2026
DRAWN BY:	RWO	HORIZ.	N/A		
CHECKED BY:	JAO	VERT.	N/A	SHEET	37 OF 167

DRAWING No. ECD02

811 Know what's below. Call before you dig.



AGGREGATE VEHICLE TRACKING CONTROL



SECTION A-A'

INSTALLATION NOTES

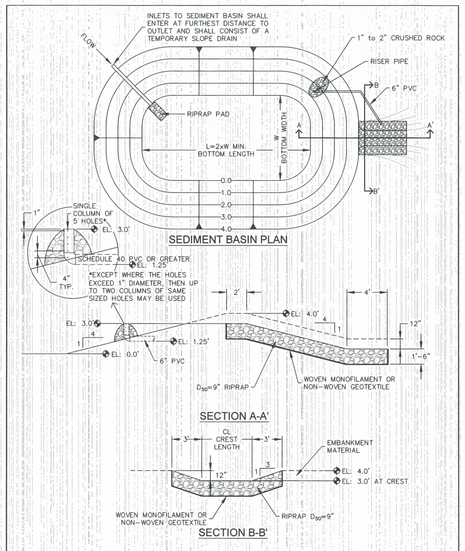
1. A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHOULD BE LOCATED AT ALL POINTS WHERE VEHICLES EXIT THE CONSTRUCTION SITE TO ADJACENT ROADWAY.
2. STABILIZED CONSTRUCTION ENTRANCE/EXITS SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
3. RADIUS MUST BE ADEQUATE FOR INTENDED CONSTRUCTION VEHICLE TURNING.
4. ROCK SHOULD CONSIST OF 6" MINUS ROCK.
5. INSTALL CONSTRUCTION FENCE ON BOTH SIDES OF VEHICLE TRACKING CONTROL PAD WHEN NEEDED OR REQUIRED BY INSPECTOR.

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. SEDIMENT TRACKED ONTO THE ADJACENT ROAD SHALL BE REMOVED DAILY, BY SWEEPING OR SHOVELING, AND NEVER WASHED DOWN STORM DRAINS.
3. ROUGHEN, REPLACE AND/OR ADD ROCK AS NEEDED TO MAINTAIN CONSISTENT DEPTH AND TO PREVENT SEDIMENT TRACKING ONTO ADJACENT STREET.
4. PERMANENTLY STABILIZE AREA AFTER VEHICLE TRACKING CONTROL IS REMOVED.

VTC

STORMWATER ENTERPRISE	VEHICLE TRACKING CONTROL		
APPROVED: CMENT MANAGER			
ISSUED: 10/7/19	REVISED: 8/19/2020	DRAWING NO. 900-VTC	



SEDIMENT BASIN PLAN

SECTION A-A'

SECTION B-B'

TSB

STORMWATER ENTERPRISE	TEMPORARY SEDIMENT BASIN		
APPROVED: CMENT MANAGER			
ISSUED: 10/7/19	REVISED: 8/19/2020	DRAWING NO. 900-TSB-1	

TABLE SB-1, SIZING INFORMATION FOR STANDARD SEDIMENT BASIN

UPSTREAM DRAINAGE AREA (ROUNDED TO NEAREST ACRE), (AC)	BASIN BOTTOM WIDTH (W), (FT)	SPILLWAY CREST LENGTH (CL), (FT)	HOLE DIAMETER (HD), (IN)
1	12½"	2	9/32
2	21	3	13/64
3	28	5	7/32
4	33½	6	9/64
5	38½	8	5/32
6	43	9	29/32
7	47¼	11	29/32
8	51	12	7/32
9	55	13	5/8
10	58¾	15	19/32
11	61	16	39/32
12	64	18	1"
13	67½	19	13/64
14	70¾	21	1⅛
15	73¾	22	1 7/32

INSTALLATION NOTES

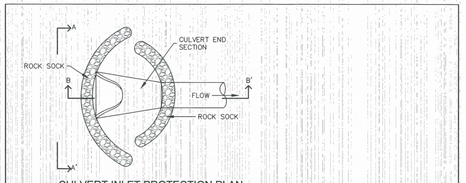
1. FOR STANDARD BASIN, BOTTOM DIMENSION MAY BE MODIFIED AS LONG AS BOTTOM AREA IS NOT REDUCED.
2. EMBANKMENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCKS OR CONCRETE GREATER THAN 3 INCHES, AND SHALL HAVE A MINIMUM OF 15 PERCENT BY WEIGHT PASSING THE No. 200 SIEVE.
3. EMBANKMENT MATERIAL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D-698.
4. PIPE SCHEDULE 40 OR GREATER SHALL BE USED.
5. THE DETAILS SHOWN ON THESE SHEETS PERTAIN TO STANDARD SEDIMENT BASIN(S) FOR DRAINAGE AREAS LESS THAN 15 ACRES. SEE CONSTRUCTION DRAWINGS FOR EMBANKMENT, STORAGE VOLUME, SPILLWAY, OUTLET, AND OUTLET PROTECTION DETAILS FOR ANY SEDIMENT BASIN(S) THAT HAVE BEEN INDIVIDUALLY DESIGNED FOR DRAINAGE AREAS LARGER THAN 15 ACRES. DESIGN CALCULATIONS MUST BE APPROVED PRIOR TO IMPLEMENTATION.

MAINTENANCE NOTES

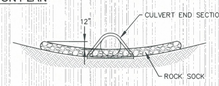
1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. SEDIMENT ACCUMULATED IN BASIN SHALL BE REMOVED AS NEEDED TO MAINTAIN CONTROL MEASURE EFFECTIVENESS, TYPICALLY WHEN SEDIMENT DEPTH REACHES ONE FOOT (I.E. TWO FEET BELOW SPILLWAY CREST).
3. SEDIMENT BASINS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS PERMANENTLY STABILIZED.
4. PERMANENTLY STABILIZE AREA AFTER SEDIMENT BASIN REMOVAL.

TSB

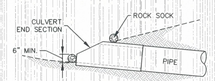
STORMWATER ENTERPRISE	TEMPORARY SEDIMENT BASIN		
APPROVED: CMENT MANAGER			
ISSUED: 10/7/19	REVISED: 8/19/2020	DRAWING NO. 900-TSB-2	



CULVERT INLET PROTECTION PLAN



SECTION A-A'



SECTION B-B'

INSTALLATION NOTES

1. SEE ROCK SOCK DETAIL.

MAINTENANCE NOTES

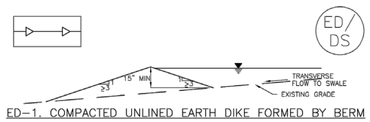
1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. ACCUMULATED SEDIMENT UPSTREAM OF THE CULVERT SHALL BE REMOVED WHEN THE SEDIMENT DEPTH IS ½ HEIGHT OF THE ROCK SOCK.
3. CULVERT INLET PROTECTION SHALL REMAIN UNTIL THE UPSTREAM AREA IS PERMANENTLY STABILIZED.

CIP

STORMWATER ENTERPRISE	CULVERT INLET PROTECTION		
APPROVED: CMENT MANAGER			
ISSUED: 10/7/19	REVISED: 8/19/2020	DRAWING NO. 900-CIP	

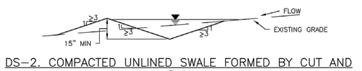
Earth Dikes and Drainage Swales (ED/DS) EC-10

ED/DS

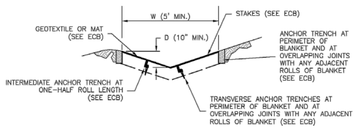


ED-1. COMPACTED UNLINED EARTH DIKE FORMED BY BERM

DS-1. COMPACTED UNLINED EXCAVATED SWALE



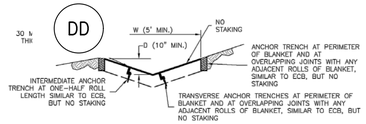
DS-2. COMPACTED UNLINED SWALE FORMED BY CUT AND FILL



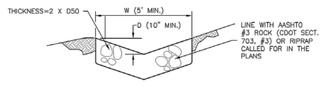
DS-3. ECB LINED SWALE (CUT AND FILL OR BERM)

EC-10 Earth Dikes and Drainage Swales (ED/DS)

DD



DS-4. SYNTHETIC LINED SWALE



DS-5. RIPRAP LINED SWALE

EARTH DIKE AND DRAINAGE SWALE INSTALLATION NOTES

1. SEE SITE PLAN FOR:
   - LOCATION OF DIVERSION SWALE
   - TYPE OF SWALE (UNLINED, COMPACTED AND/OR LINED).
   - LENGTH OF EACH SWALE.
   - DEPTH, D, AND WIDTH, W DIMENSIONS.
   - FOR ECB/TRM LINED DITCH, SEE ECB DETAIL.
   - FOR RIPRAP LINED DITCH, SIZE OF RIPRAP, D50.
2. SEE DRAINAGE PLANS FOR DETAILS OF PERMANENT CONVEYANCE FACILITIES AND/OR DIVERSION SWALES EXCEEDING 2-YEAR FLOW RATE OR 10 CFS.
3. EARTH DIKES AND SWALES INDICATED ON SWMP PLAN SHALL BE INSTALLED PRIOR TO LAND-DISTURBING ACTIVITIES IN PROXIMITY.
4. EMBANKMENT IS TO BE COMPACTED TO 90% OF MAXIMUM DENSITY AND WITHIN 2% OF OPTIMUM MOISTURE CONTENT ACCORDING TO ASTM D698.
5. SWALES ARE TO DRAIN TO A SEDIMENT CONTROL BMP.
6. FOR LINED DITCHES, INSTALLATION OF ECB/TRM SHALL CONFORM TO THE REQUIREMENTS OF THE ECB DETAIL.
7. WHEN CONSTRUCTION TRAFFIC MUST CROSS A DIVERSION SWALE, INSTALL A TEMPORARY CULVERT WITH A MINIMUM DIAMETER OF 12 INCHES.

Earth Dikes and Drainage Swales (ED/DS) EC-10

EARTH DIKE AND DRAINAGE SWALE MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. SWALES SHALL REMAIN IN PLACE UNTIL THE END OF CONSTRUCTION; IF APPROVED BY LOCAL JURISDICTION, SWALES MAY BE LEFT IN PLACE.
5. WHEN A SWALE IS REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.

(DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND THE CITY OF COLORADO SPRINGS, COLORADO, NOT AVAILABLE IN AUTOCAD)

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

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.

TM

STORMWATER ENTERPRISE	SEEDING & MULCHING		
APPROVED: CMENT MANAGER			
ISSUED: 10/7/19	REVISED: 8/19/2020	DRAWING NO. 900-SM	

REFERENCE DRAWINGS

X-Title-GEC

No.	DATE	DESCRIPTION	BY
		REVISIONS	

COMPUTER FILE MANAGEMENT

FILE NAME: S:\23.104.216 Corvallis Filing No. 1\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\DT01.dwg
CTB FILE: ----
PLOT DATE: April 10, 2026 11:58:38 AM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

BENCHMARK

PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING

BEARINGS ARE BASED ON THE THE LINE BETWEEN THE MONUMENTED NORTH LINE OF NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE WESTERLY END BY 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED JR DEVELOPERS RLS 10377 S16 S15 S21 S22 T15S, R65W 1986, AND THE EASTERLY END BY A 3-1/4" ALUMINUM CAP IN A RANGE BOX STAMPED S1/4 S15, N1/4 S22 15.T15S, R65W, BEING ASSUMED TO BEAR N89°57'03"E, A DISTANCE OF 2,632.68 FEET.

PREPARED BY: Matrix

SEAL

PRELIMINARY
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 23.104.216

CORVALLIS FILING NO. 1

CITY OF FOUNTAIN
100% CONSTRUCTION DOCUMENTS

GRADING & EROSION CONTROL DETAILS

DESIGNED BY:	RWO	SCALE		DATE ISSUED:	APRIL 2026
DRAWN BY:	RWO	HORIZ.	N/A	DRAWING No.	ECD03
CHECKED BY:	JAO	VERT.	N/A	SHEET	38 OF 167

SWMP Inspection & Maintenance Log

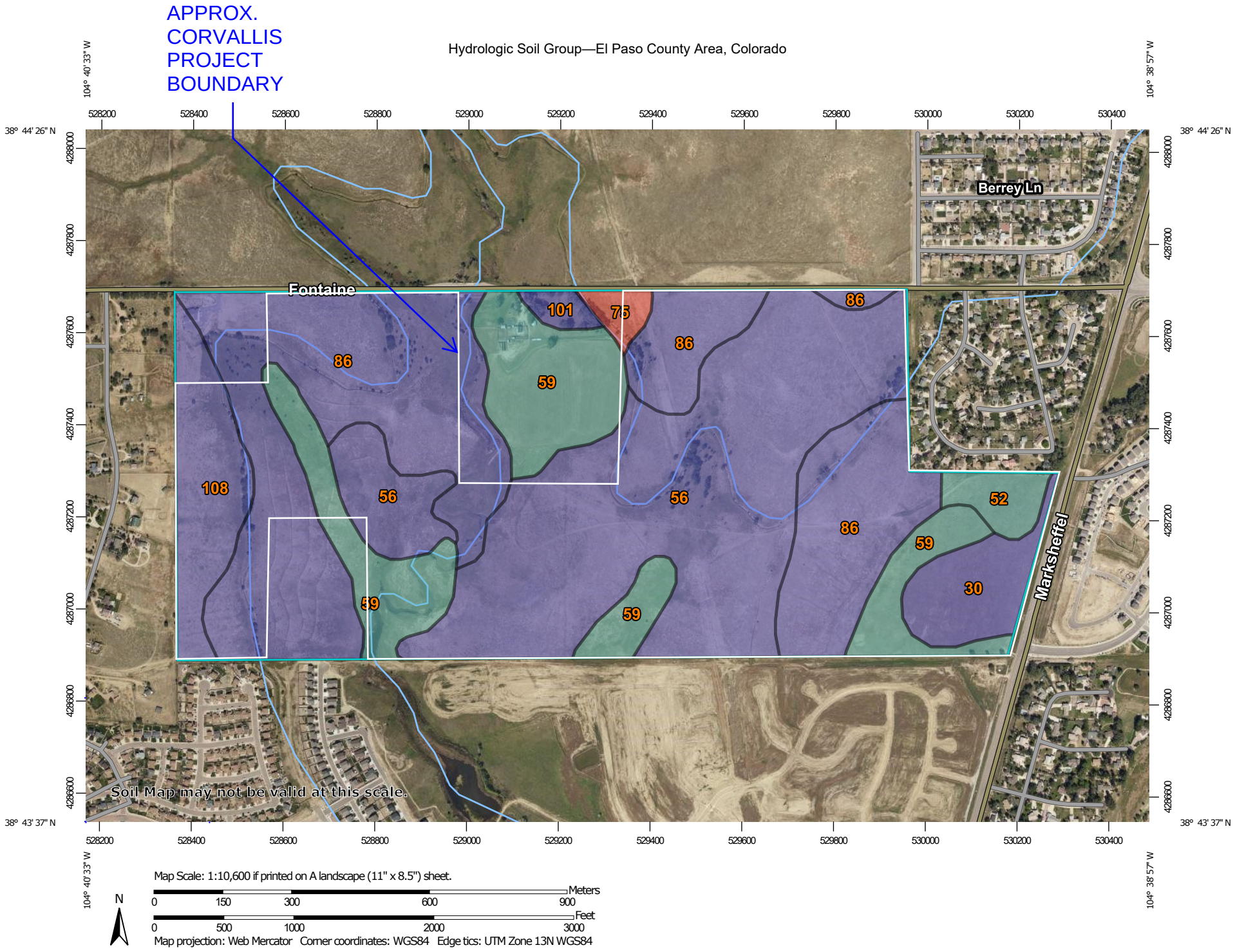
Stormwater Management Plan Inspection and Maintenance Log

Corvallis Filing No. 1
Fountain, CO

(Record inspections, items found maintenance and corrective actions taken. Also, record any training received by Contractor personnel with regard to erosion control, materials handling and any inspections by outside agencies)

DATE	ITEM	SIGNATURE OF PERSON MAKING ENTRY

Soil Survey of El Paso County Area Soils Map


APPROX.
CORVALLIS
PROJECT
BOUNDARY
104° 40' 33" W
104° 38' 57" W
38° 44' 26" N
38° 43' 37" N
528200
528400
528600
528800
529000
529200
529400
529600
529800
530000
530200
530400
4288000
4287800
4287600
4287400
4287200
4287000
4286800
4286600
Fontaine
Berrey Ln
Marksheffel
86
101
75
86
86
59
108
56
56
52
86
59
30
59
59
Soil Map may not be valid at this scale.
Map Scale: 1:10,600 if printed on A landscape (11" x 8.5") sheet.
N
Meters
0 150 300 600 900
Feet
0 500 1000 2000 3000
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 Rating Polygons

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

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 20, Sep 2, 2022

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

Date(s) aerial images were photographed: Aug 14, 2018—Sep 23, 2018

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.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
30	Fort Collins loam, 0 to 3 percent slopes	B	13.8	4.0%
52	Manzanst clay loam, 0 to 3 percent slopes	C	6.0	1.8%
56	Nelson-Tassel fine sandy loams, 3 to 18 percent slopes	B	118.2	34.5%
59	Nunn clay loam, 0 to 3 percent slopes	C	55.7	16.2%
75	Razor-Midway complex	D	3.2	0.9%
86	Stoneham sandy loam, 3 to 8 percent slopes	B	123.0	35.9%
101	Ustic Torrifluvents, loamy	B	2.6	0.8%
108	Wiley silt loam, 3 to 9 percent slopes	B	20.6	6.0%
Totals for Area of Interest			**343.0**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

FEMA FIRM Floodplain Maps

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 13. The **horizontal datum** was NAD83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the **North American Vertical Datum of 1988 (NAVD88)**. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, MD 20910-3282

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242 or visit its website at http://www.ngs.noaa.gov/.

Base Map information shown on this FIRM was provided in digital format by El Paso County, Colorado Springs Utilities, and Anderson Consulting Engineers, Inc. These data are current as of 2008.

This map reflects more detailed and up-to-date **stream channel configurations and floodplain delineations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map. The profile baselines depicted on this map represent the hydraulic modeling baselines that match the flood profiles and Floodway Data Tables if applicable, in the FIS report. As a result, the profile baselines may deviate significantly from the new base map channel representation and may appear outside of the floodplain.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact **FEMA Map Service Center** (MSC) via the FEMA Map Information eXchange (FMIX) 1-877-336-2627 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. The MSC may also be reached by Fax at 1-800-358-9620 and its website at http://www.msc.fema.gov/.

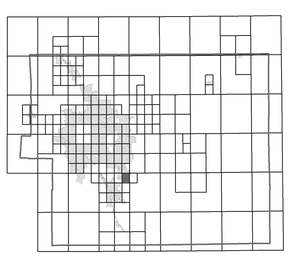
If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip.

El Paso County Vertical Datum Offset Table

Flooding Source	Vertical Datum Offset (ft)

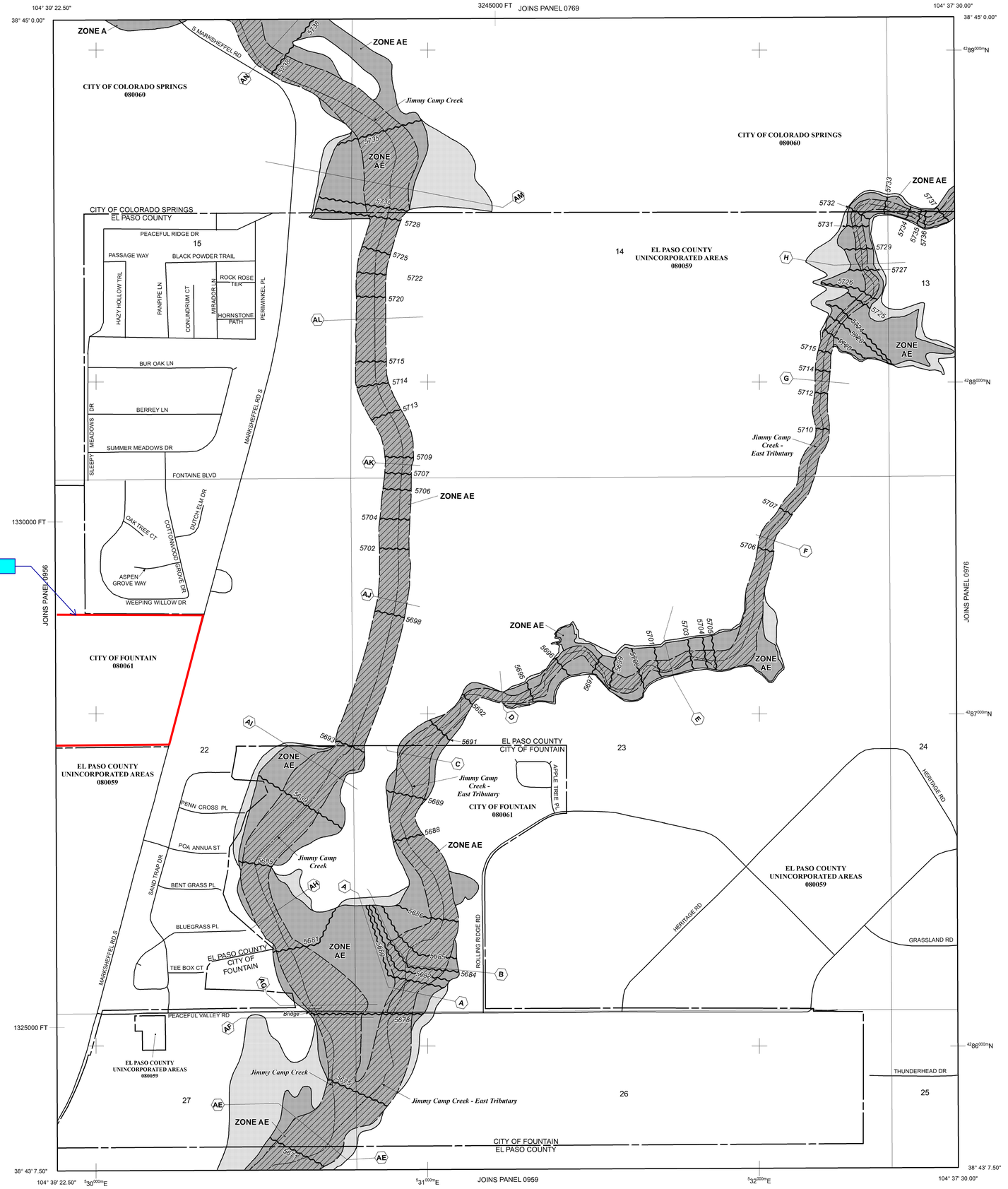
REFER TO SECTION 3.3 OF THE EL PASO COUNTY FLOOD INSURANCE STUDY FOR STREAM BY STREAM VERTICAL DATUM CONVERSION INFORMATION

Panel Location Map



This Digital Flood Insurance Rate Map (DFIRM) was produced through a Cooperating Technical Partner (CTP) agreement between the State of Colorado Water Conservation Board (CWCB) and the Federal Emergency Management Agency (FEMA).

Additional Flood Hazard information and resources are available from local communities and the Colorado Water Conservation Board.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAS) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.

ZONE AE Base Flood Elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE AR Special Flood Hazard Area Formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- Floodplain boundary
- Floodway boundary
- Zone D Boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988 (NAVD 88)

- A — A — Cross section line
- 23 — 23 — Transect line
- 97° 07' 30.00" / 32° 22' 30.00" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
- 4275000mN — 1000-meter Universal Transverse Mercator grid ticks, zone 13
- 6000000 FT — 5000-foot grid ticks: Colorado State Plane coordinate system, central zone (FIPSZONE 0502), Lambert Conformal Conic Projection
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
MARCH 17, 1997

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
DECEMBER 7, 2018 - to update corporate limits, to change Base Flood Elevations and Special Flood Hazard Areas, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

For community map revision history prior to countywide mapping, refer to the Community Map History Table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

250 0 500 1000 FEET

150 0 150 300 METERS

NFIP

PANEL 0957G

MAP REVISED DECEMBER 7, 2018

FIRM

FLOOD INSURANCE RATE MAP

EL PASO COUNTY, COLORADO AND INCORPORATED AREAS

PANEL 957 OF 1300

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
COLORADO SPRINGS, CITY OF	080060	0957	G
EL PASO COUNTY	080059	0957	G
FOUNTAIN, CITY OF	080061	0957	G

Notice: This map was reissued on 05/15/2020 to make a correction.This version replaces any previous versions. See the Notice-to-User Letter that accompanied this correction for details.

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER 08041C0957G

MAP REVISED DECEMBER 7, 2018

Federal Emergency Management Agency

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 13. The **horizontal datum** was NAD83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the **North American Vertical Datum of 1988 (NAVD88)**. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, MD 20910-3282

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242 or visit its website at http://www.ngs.noaa.gov/.

Base Map information shown on this FIRM was provided in digital format by El Paso County, Colorado Springs Utilities, and Anderson Consulting Engineers, Inc. These data are current as of 2008.

This map reflects more detailed and up-to-date **stream channel configurations and floodplain delineations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map. The profile baselines depicted on this map represent the hydraulic modeling baselines that match the flood profiles and Floodway Data Tables if applicable, in the FIS report. As a result, the profile baselines may deviate significantly from the new base map channel representation and may appear outside of the floodplain.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact **FEMA Map Service Center** (MSC) via the FEMA Map Information eXchange (FMIX) 1-877-336-2627 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. The MSC may also be reached by Fax at 1-800-358-9620 and its website at http://www.msc.fema.gov/.

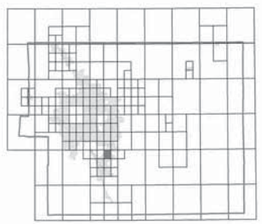
If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip.

El Paso County Vertical Datum Offset Table

Flooding Source	Vertical Datum Offset (ft)

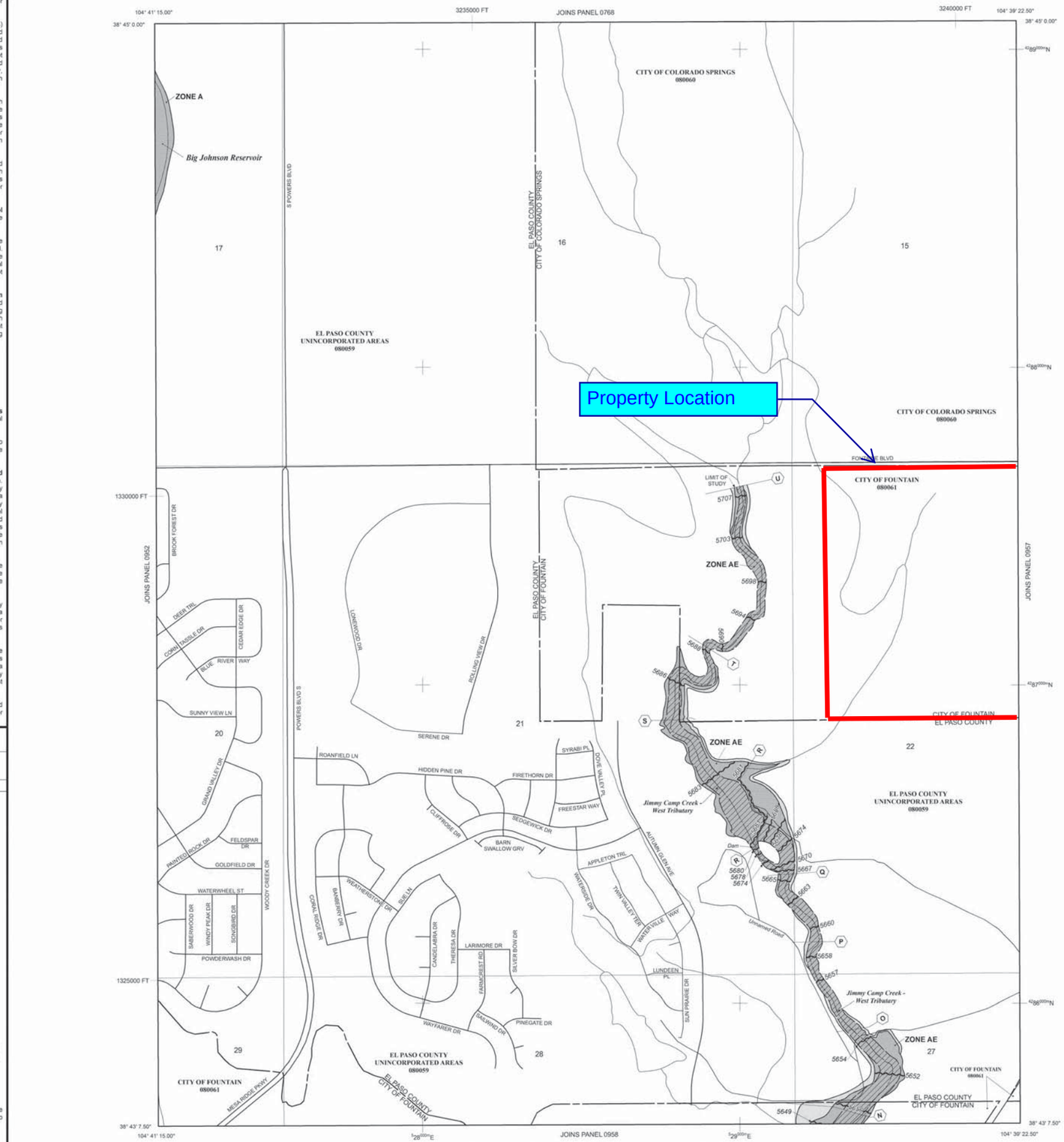
REFER TO SECTION 3.3 OF THE EL PASO COUNTY FLOOD INSURANCE STUDY FOR STREAM BY STREAM VERTICAL DATUM CONVERSION INFORMATION

Panel Location Map



This Digital Flood Insurance Rate Map (DFIRM) was produced through a Cooperating Technical Partner (CTP) agreement between the State of Colorado Water Conservation Board (CWCB) and the Federal Emergency Management Agency (FEMA).

Additional Flood Hazard information and resources are available from local communities and the Colorado Water Conservation Board.



NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 15 SOUTH, RANGE 65 WEST.

LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- **ZONE A** No Base Flood Elevations determined.
- **ZONE AE** Base Flood Elevations determined.
- **ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- **ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- **ZONE AR** Special Flood Hazard Area Formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- **ZONE A99** Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- **ZONE V** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- **ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

- **ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

- **ZONE X** Areas determined to be outside the 0.2% annual chance floodplain.
- **ZONE D** Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- Floodplain boundary
- Floodway boundary
- Zone D Boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988 (NAVD 88)

- A — A — Cross section line
- 23 — 23 — Transect line
- 97° 07' 30.00" / 32° 22' 30.00" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
- 4275000mN — 1000-meter Universal Transverse Mercator grid ticks, zone 13
- 6000000 FT — 5000-foot grid ticks: Colorado State Plane coordinate system, central zone (FIPSZONE 0502), Lambert Conformal Conic Projection
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
MARCH 17, 1997

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
DECEMBER 7, 2018 - to update corporate limits, to change Base Flood Elevations and Special Flood Hazard Areas, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

For community map revision history prior to countywide mapping, refer to the Community Map History Table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

250 0 500 1000 FEET
150 0 150 300 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0956G

FIRM
FLOOD INSURANCE RATE MAP
EL PASO COUNTY, COLORADO AND INCORPORATED AREAS

PANEL 956 OF 1300

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
COLORADO SPRINGS, CITY OF	080060	0956	G
EL PASO COUNTY	080059	0956	G
FOUNTAIN, CITY OF	080061	0956	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
08041C0956G

MAP REVISED
DECEMBER 7, 2018

Federal Emergency Management Agency

CDPHE General Permit

STATE OF COLORADO

Dedicated to protecting and improving the health and environment of the people of Colorado

4300 Cherry Creek Dr. S.
Denver, Colorado 80246-1530
Phone (303) 692-2000
TDD Line (303) 691-7700
Located in Glendale, Colorado

http://www.cdphe.state.co.us

Colorado Department of Public Health and Environment

For Agency Use Only

Permit Number Assigned

COR03- _____

Date Received ____/____/____
Month Day Year

COLORADO DISCHARGE PERMIT SYSTEM (CDPS)

STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES APPLICATION

PHOTO COPIES, FAXED COPIES, PDF COPIES OR EMAILS WILL NOT BE ACCEPTED.

Please print or type. **Original signatures are required**. All items must be completed accurately and in their entirety for the application to be deemed complete. Incomplete applications will not be processed until all information is received which will ultimately delay the issuance of a permit. If more space is required to answer any question, please attach additional sheets to the application form. Applications must be submitted by mail or hand delivered to:

Colorado Department of Public Health and Environment
Water Quality Control Division
4300 Cherry Creek Drive South
WQCD-P-B2
Denver, Colorado 80246-1530

Any additional information that you would like the Division to consider in developing the permit should be provided with the application. Examples include effluent data and/or modeling and planned pollutant removal strategies.

PERMIT INFORMATION

Reason for Application: ☐ NEW CERT
☐ RENEW CERT EXISTING CERT #_____

Applicant is: ☐ Property Owner ☐ Contractor/Operator

A. CONTACT INFORMATION - NOT ALL CONTACT TYPES MAY APPLY * indicates required

***PERMITTEE (If more than one please add additional pages)**

***ORGANIZATION FORMAL NAME:** _____

1) ***PERMITTEE** the person **authorized to sign and certify** the permit application. This person receives all permit correspondences and is **legally responsible** for compliance with the permit.

Responsible Position (Title): _____

Currently Held By (Person): _____

Telephone No:_____

email address_____

Organization: _____

Mailing Address: _____

City:_____ State: _____ Zip: _____

This form must be signed by the Permittee (listed in item 1) to be considered complete.
Per Regulation 61 In all cases, it shall be signed as follows:

a) In the case of corporations, by a responsible corporate officer. For the purposes of this section, the responsible corporate officer is responsible for the overall operation of the facility from which the discharge described in the application originates.
b) In the case of a partnership, by a general partner.
c) In the case of a sole proprietorship, by the proprietor.
d) In the case of a municipal, state, or other public facility, by either a principal executive officer or ranking elected official

2) DMR COGNIZANT OFFICIAL (i.e. authorized agent) the person or position authorized to **sign and certify reports required by the Division** including Discharge Monitoring Reports *DMR's, Annual Reports, Compliance Schedule submittals, and other information requested by the Division. The Division will transmit pre-printed reports (ie. DMR's) to this person. If more than one, please add additional pages. Same As 1) Permittee ☐

Responsible Position (Title): _____

Currently Held By (Person): _____

Telephone No:_____

email address_____

Organization: _____

Mailing Address: _____

City:_____ State: _____ Zip: _____

Per Regulation 61 : All reports required by permits, and other information requested by the Division shall be signed by the permittee or by a duly authorized representative of that person. A person is a duly authorized representative only if:
(i) The authorization is made in writing by the permittee
(ii) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a **named individual** or any individual occupying a **named position);** and
(iii) The written authorization is submitted to the Division

3) *SITE CONTACT local contact for questions relating to the facility & discharge authorized by this permit for the facility.

☐ Same As 1) Permittee

Responsible Position (Title): _____

Currently Held By (Person): _____

Telephone No:_____

email address_____

Organization: _____

Mailing Address: _____

City:_____ State: _____ Zip: _____

4) * BILLING CONTACT if different than the permittee

Responsible Position (Title): _____

Currently Held By (Person): _____

Telephone No:_____

email address_____

Organization: _____

Mailing Address: _____

City:_____ State: _____ Zip: _____

5) OTHER CONTACT TYPES (check below) Add pages if necessary:

ResponsiblePosition (Title): _____

Currently Held By (Person): _____

Telephone No:_____

email address_____

Organization: _____

Mailing Address: _____

City:_____ State: _____ Zip: _____

- ○ **Pretreatment Coordinator**
- ○ **Environmental Contact**
- ○ **Biosolids Responsible Party**
- ○ **Property Owner**
- □ **Inspection Facility Contact**
- □ **Consultant**
- □ **Compliance Contact**
- □ **Stormwater MS4 Responsible Person**
- □ **Stormwater Authorized Representative**
- □ **Other** _____

B. Permitted Project/Facility Information

Project/Facility Name _____

Street Address or cross streets_____

(e.g., "S. of Park St. between 5th Ave. and 10th Ave.", or "W. side of C.R. 21, 3.25 miles N. of Hwy 10"; A street name without an address, intersection, mile marker, or other identifying information describing the location of the project is not adequate. For **linear projects**, the route of the project should be described as best as possible with the location more accurately indicated by a map.)

City, _____Zip Code _____County _____

Facility Latitude/Longitude— (approximate center of site to nearest 15 seconds using one of following formats

001A Latitude _____._____Longitude _____ . _____(e.g., 39.703°, 104.933°')
degrees (to 3 decimal places) degrees (to 3 decimal places)

or

001A Latitude _____ º _____' _____" Longitude _____º _____' _____" (e.g., 39°46'11"N, 104°53'11"W)
degrees minutes seconds degrees minutes seconds

For the approximate center point of the property, to the nearest 15 seconds. The latitude and longitude must be provided as either degrees, minutes, and seconds, or in decimal degrees with three decimal places. This information may be obtained from a variety of sources, including:

- ○ **Surveyors or engineers** for the project should have, or be able to calculate, this information.
- ○ EPA maintains a **web-based siting tool** as part of their Toxic Release Inventory program that uses interactive maps and aerial photography to help users get latitude and longitude. The siting tool can be accessed at **www.epa.gov/tri/report/siting_tool/index.htm**
- ○ **U.S. Geological Survey topographical map(s)**, available at area map stores.
- ○ Using a **Global Positioning System (GPS) unit** to obtain a direct reading.

Note*: the latitude/longitude required above is not the directional degrees, minutes, and seconds provided on a site legal description to define property boundaries.*

C. MAP (Attachment) If no map is submitted, the permit will not be issued.

Map: Attach a map that indicates the site location and that CLEARLY shows the boundaries of the area that will be disturbed. Maps must be **no larger** than 11x17 inches.

D. LEGAL DESCRIPTION

Legal description: If subdivided, provide the legal description below, or indicate that it is not applicable (**do not** supply Township/Range/Section or metes and bounds description of site)

Subdivision(s): _____ Lot(s): _____ Block(s): _____

OR

□ Not applicable (site has not been subdivided)

E. AREA OF CONSTRUCTION SITE

Total area of project site (acres):_____ Area of project site to undergo disturbance (acres): _____

Note: aside from clearing, grading and excavation activities, disturbed areas also include areas receiving overburden (e.g., stockpiles), demolition areas, and areas with heavy equipment/vehicle traffic and storage that disturb existing vegetative cover

Total disturbed area of Larger Common Plan of Development or Sale, if applicable: _____
(i.e., total, including all phases, filings, lots, and infrastructure not covered by this application)

Provide both the total area of the construction site, and the area that will undergo disturbance, in acres. **Note:** aside from clearing, grading and excavation activities, disturbed areas also include areas receiving overburden (e.g., stockpiles), demolition areas, and areas with heavy equipment/vehicle traffic and storage that disturb existing vegetative cover (see construction activity description under the APPLICABILITY section on page 1).
If the project is part of a **larger common plan of development or sale** (see the definition under the APPLICABILITY section on page 1), the disturbed area of the total plan must also be included.

F. NATURE OF CONSTRUCTION ACTIVITY

Check the appropriate box(s) or provide a brief description that indicates the general nature of the construction activities. (The full description of activities must be included in the Stormwater Management Plan.)

- ☐ Single Family Residential Development
- ☐ Multi-Family Residential Development
- ☐ Commercial Development
- ☐ Oil and Gas Production and/or Exploration (including pad sites and associated infrastructure)
- ☐ Highway/Road Development (not including roadways associated with commercial or residential development)
- ☐ Other – Description:

_____

G. ANTICIPATED CONSTRUCTION SCHEDULE

Construction Start Date: _____ Final Stabilization Date: _____

- *Construction Start Date* - This is the day you expect to begin ground disturbing activities, including grubbing, stockpiling, excavating, demolition, and grading activities.
- *Final Stabilization Date* - in terms of permit coverage, this is when the site is finally stabilized. This means that all ground surface disturbing activities at the site have been completed, and all disturbed areas have been either built on, paved, or a uniform vegetative cover has been established with an individual plant density of at least 70 percent of pre-disturbance levels. **Permit coverage must be maintained until the site is finally stabilized. Even if you are only doing one part of the project, the estimated final stabilization date must be for the overall project.** If permit coverage is still required once your part is completed, the permit certification may be transferred or reassigned to a new responsible entity(s).

H. RECEIVING WATERS (If discharge is to a ditch or storm sewer, include the name of the ultimate receiving waters)

Immediate Receiving Water(s):_____

Ultimate Receiving Water(s):_____

Identify the receiving water of the stormwater from your site. Receiving waters are any waters of the State of Colorado. This includes all water courses, even if they are usually dry. If stormwater from the construction site enters a ditch or storm sewer system, identify that system and indicate the ultimate receiving water for the ditch or storm sewer. **Note:** a stormwater discharge permit does not allow a discharge into a ditch or storm sewer system without the approval of the owner/operator of that system.

I. REQUIRED SIGNATURES (Both parts i. and ii. must be signed)

Signature of Applicant: The applicant must be either the owner and/or operator of the construction site. Refer to Part B of the instructions for additional information.

The application must be signed by the applicant to be considered complete. In all cases, it shall be signed as follows: (Regulation 61.4 (1ei)

a) In the case of corporations, by the responsible corporate officer is responsible for the overall operation of the facility from which the discharge described in the form originates
b) In the case of a partnership, by a general partner.
c) In the case of a sole proprietorship, by the proprietor.
d) In the case of a municipal, state, or other public facility, by either a principal executive officer, ranking elected official, (a principal executive officer has responsibility for the overall operation of the facility from which the discharge originates).

STOP!: A Stormwater Management Plan must be completed prior to signing the following certifications!

i. STORMWATER MANAGEMENT PLAN CERTIFICATION

"I certify under penalty of law that a complete Stormwater Management Plan, has been prepared for my activity. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the Stormwater Management Plan is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for falsely certifying the completion of said SWMP, including the possibility of fine and imprisonment for knowing violations."

XX

Signature of Legally Responsible Person or Authorized Agent (submission must include original signature) Date Signed

Name (printed) Title

ii. SIGNATURE OF PERMIT LEGAL CONTACT

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

"I understand that submittal of this application is for coverage under the State of Colorado General Permit for Stormwater Discharges Associated with Construction Activity **for the entirety of the construction site/project described and applied for, until such time as the application is amended or the certification is transferred, inactivated, or expired**."

XX

Signature of Legally Responsible Person (submission must include original signature) Date Signed

Name (printed Title

DO NOT INCLUDE A COPY OF THE STORMWATER MANAGEMENT PLAN
DO NOT INCLUDE PAYMENT – AN INVOICE WILL BE SENT AFTER THE CERTIFICATION IS ISSUED.