GRADING, EROSION AND SEDIMENT CONTROL PLAN FOR THRIVE TOWNHOMES AT RIDGEGATE

Prepared For:

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Prepared By:

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Prepared: October 17, 2022

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This *Grading, Erosion and Sediment Control Plan* has been placed in the Lone Tree file for this project and appears to fulfill the applicable Douglas County *Grading, Erosion and Sediment Control*, as amended. I understand that additional grading, erosion and sediment control measures may be required of the Permitees, due to unforeseen erosion problems or if the submitted plan does not function as intended. The requirements of this plan shall run with the land and be the obligation of the Permitees until such time as the plan is properly completed, modified or voided.

PROJECT OWNER/DEVELOPER SIGNATURE BLOCK

1 ROJECT OWNER/DEVELOPER S	GNATURE DLUCK					
eve reviewed the information contained within this Grading, Erosion and Sediment Control and accept responsibility for the requirements set forth.						
Project Owner/Developer	Date					
Plan Prepare Signature Block	<u>K</u>					
Village Filing 1 was prepared by me (o	ion and Sediment Control Plan for Ridgegate Southwest r under my direct supervision) in accordance with the ding, Erosion and Sediment Control Manual for the					
Agran Chuttan D.E.	Data					
Aaron Clutter, P.E. State of Colorado No. 36742	Date					
For and on Behalf of JR Engineering, I	LLC					

Introduction

This report represents the Grading, Erosion and Sediment Control Plan for construction of Thrive Townhomes at Ridgegate. It was prepared to meet the regulatory requirements of the Douglas County *Grading, Erosion and Sediment Control Manual* as well as the Colorado Department of Health, Water Quality Control Division in compliance with the provisions of the Colorado Water Quality Control Act, and the Federal Water Pollution Control Act.

This plan serves as a consolidated document for information on water quality protection for the subject site and areas immediately adjacent. It should also be noted that **this plan is a living document that will need to be updated and maintained throughout the construction process.** The intent of this plan is to provide the contractor a tool to consolidate records, logs, permits, applications, etc. as well as guidance on water quality protection. The plan incorporates elements that can be found in the contract plans and specifications as well as the following:

- Douglas County Grading, Erosion and Sediment Control Manual
- Drainage Report for the Ridgegate Southwest Village
- Drainage Compliance Letter Site 1 and Drainage Compliance letter Site 2

Thrive Townhomes at Ridgegate is located in parts of Section 23,Township 6 South, Range 67 West of the Sixth Principal Meridian, City of Lone Tree, Douglas County, State of Colorado. Site 1 is bound by Lyric Street to the west, Octave Avenue to the north, Amplify Circle to the east, and High Note Avenue to the south. Site 2 is bound by High Note Avenue to the north, Lyric Street to the east, Stanza Lane to the west, and Stanza Circle to the south. Site 1 is approximately located at Latitude 39°31'11.30"N, Longitude 104°51'6.57" W. The site is shown on the Figure 1, Vicinity Map located within the Appendices. Site 2 is approximately located at Latitude 39°31'10.35"N, Longitude 104°51'11.32" W. The site is shown on the Figure 2, Vicinity Map located within the Appendices.

The total disturbance area created by the Site 1 project is approximately 2.08 acres. The total disturbance area created by the Site 2 project is approximately 2.57 acres. Each phase of disturbance is further described below.

Part 1– Site Description

1-A. – Description of the Construction Activity

The Thrive Townhomes at Ridgegate project will include typical multi- family residential construction including private alley, and utilities. The site will be in both cut and fill. This GESC Report has been prepared for the initial grading and overexcavation activities. These activities will be performed prior to approval of the plat or civil construction plans under an early grading permit.

1-.B. – Proposed Sequence of Major Activities

The project will follow standard construction sequences for construction, i.e., clearing and grubbing, over excavation, overlot grading, utility installation, curb and gutter, and street paving.

The contractor will be responsible for implementing and maintaining the erosion and sediment control measures described in this document and the accompanying design drawings. The Contractor may designate these tasks to certain subcontracts as they see fit, but the ultimate responsibility for implementing these controls and their proposer function at each phase of the project remains with the Contractor. The order of major activities will be as follows:

- 1. Install VTC, silt fence and other perimeter and initial soil erosion control measures.
- 2. Demolition, clearing and grubbing.
- 3. Install all temporary sediment basins.
- 4. Complete overlot grading and overexcavation.
- 5. Install temporary seeding and mulching and final stabilization.
- 6. Clean up.

1-C. - Estimated Total and Disturbance Areas of the Site

	TOPSOIL	TOPSOIL (RE-					
	STOCKPILE ₂	DISTRIBUTE)₃					
	C.Y.	C.Y.	CUT (C.Y.)	FILL (C.Y.)	NET (C.Y.)		ACRES
Thrive Townhomes	3,100	2077	838	6,143	5,305	FILL	4.28
TOTAL	3,100	2,077	838	6,143	5,305	FILL	4.28
NOTES:	1. ASSUMES 0% COMPACTION FOR GENERAL CUT/FILL EARTHWORK						
	2.PRIOR TO C	COMPACTION					
	3. ASSUMES 33% COMPACTION FOR TOPSOIL, 6" STRIPPING TOPSOIL						

The platted area of the Thrive Townhomes at Ridgegate is approximately 4.28 acres. The total disturbance area of the proposed construction activities associated with this report is 4.65 acres. The primary areas of disturbance outside of the platted area are covered by easements associated with drainage, water and sanitary infrastructure. The values shown in the table above are estimates of usable fill and cut materials to be moved within the site. Additional export or import will be required to balance the area of disturbance. These values were calculated by comparing the existing grade versus the proposed overlot grade using AutoCAD Civil3D surface analysis tools. In addition, these earthwork values make assumptions for roadway cut and compaction values.

1-D – Estimated Runoff Coefficient and Soil Classification

Site 1 is located within Lot 368, Ridgegate Southwest Village Filing No. 1 where the existing drainage patterns were established by following the criteria set forth in the previously approved Phase III Drainage Report for Ridgegate Southwest Village Filing 1. The governing master report is the Approved *Phase III Drainage Report for Ridgegate Southwest Village Filing 1* by JR Engineering, LLC, addendum #1 revised September 28, 2021. The site had been graded so it generally slopes west to east, with slopes ranging between 2.8% to 3.5%. Existing infrastructure to the east in Amplify Circle includes storm sewer, sanitary sewer, water mains, and other utilities. The site is tributary to the Happy Canyon floodplain as defined by the FEMA Flood Insurance Rate Maps, FIRM #08035C0063H and effective September 4, 2020, and is included in the Appendix. The site lies entirely within Zone X which is the flood insurance rate zone that corresponds to areas outside the one percent annual chance floodplain. Site 1 soil is described by the Natural Resources Conservation Service Web Soil Survey as Hydrologic Soils Group C and D. Hydrologic Group C soils are

described as "soils that have low infiltration rates when thoroughly wetted and consist chiefly of soils with a layer that impedes downward movement of water and soils with moderately fine to fine structure." Hydrologic Group D soils are described as "soils that have very low infiltration rates when thoroughly wetted and consist chiefly of clay soils with high swelling potential, soils with a permanent high water table, soils with a claypan or clay layer at or near the surface and shallow soils over nearly impervious material." A soils map has been included in the Appendix.

Site 2 is located within Lot 367, Ridgegate Southwest Village Filing No. 1 where the existing drainage patterns were established by following the criteria set forth in the previously approved Phase III Drainage Report for Ridgegate Southwest Village Filing 1. The governing master report is the Approved Phase III Drainage Report for Ridgegate Southwest Village Filing 1 by JR Engineering, LLC, addendum #1 revised September 28, 2021. The site had been graded so it generally slopes east to west, with slopes ranging between 3.0% to 25%. Existing infrastructure to the north in High Note Avenue, to the west in Stanza Lane, to the south in Stanza Circle, and to the east in Lyric Street include storm sewer, sanitary sewer, water mains, and other utilities. The site is tributary to the Happy Canyon floodplain as defined by the FEMA Flood Insurance Rate Maps, FIRM #08035C0063H and effective September 4, 2020, and is included in the Appendix. The site lies entirely within Zone X which is the flood insurance rate zone that corresponds to areas outside the one percent annual chance floodplain. Site 2 soil is described by the Natural Resources Conservation Service Web Soil Survey in the approved drainage reports identify the soil on the property as Hydrologic Soils Group C and D. Hydrologic Group C soils are described as "soils that have low infiltration rates when thoroughly wetted and consist chiefly of soils with a layer that impedes downward movement of water and soils with moderately fine to fine structure." Hydrologic Group D soils are described as "soils that have very low infiltration rates when thoroughly wetted and consist chiefly of clay soils with high swelling potential, soils with a permanent high water table, soils with a claypan or clay layer at or near the surface and shallow soils over nearly impervious material." A soils map has been included in the Appendix.

1-E. – Existing Vegetation

Currently, the site is undeveloped and unoccupied and is vegetated with native grasses and shrubs.

<u>1-F – Other Potential Pollution</u>

While vehicle fueling is expected on-site, there is no designated area for fueling at this time. It will be the responsibility of the contractor to designate a fueling area and take the appropriate actions to insure that no pollution of the storm water occurs. Fueling areas shall be located a minimum of 100 feet from all drainage courses whenever possible. A 12-inch high compacted earthen ridge capable of retaining potential spills shall enclose fueling areas. If the fueling area is located on porous soil, the area shall be covered with a non-porous lining to prevent soil contamination. The following is a list of other possible potential pollution sources and prevention measures that may occur during construction.

- Portable Toilets should be kept a minimum of 50 feet from a storm drain inlet and secured to the ground
- Landscaping Materials may be stored in the street until work is completed on each lot (which is usually less than 48 hours). If topsoil, mulch, or similar material is to be kept in the street or gutter over-night, containment measures should be taken to minimize any pollution discharge potential.
- Stockpiles silt fence or similar barrier should be installed as needed around long-term stockpiles (30 days+), as well as Vehicle Tracking Control should be installed at the access point to minimize sediment from leaving the area.

1-G. – Non-stormwater Discharge

Non-stormwater discharges such as construction dewatering are not allowed under the general State permit. If groundwater is encountered during construction, a construction dewatering permit will need to be obtained through CDPHE.

1-H. - Receiving Waters

In the existing condition, storm runoff from the undeveloped Site 1 will flow to the existing storm sewer infrastructure to the east in Amplify Circle or to the west in Lyric Street. Site 2 will flow to the existing storm sewer infrastructure to the north in High Note Avenue, to the west in Stanza Lane, to the south in Stanza Circle, and to the east in Lyric Street.

Part 2. – Site Map

Refer to the erosion control drawing located within the map pockets for locations of best management practices (BMP).

Part 3. – Stormwater Management Controls

3-A. – Stormwater Management Plan (SWMP) Administrator

The SWMP administrator shall also be known as the erosion and sediment control manager (ESC manager). The ESC manager shall henceforth be the contractor to be named upon completion of the bidding process. The ESC manager shall be the individual(s), position, or title who is responsible for developing, implementing, maintaining, and revising the erosion and sediment control plans. The activities and responsibilities of the administrator shall address all aspects of the facility's SWMP.

3-B. – Identification of Potential Pollutant Sources

Potential pollution sources include debris, emissions from construction vehicles, possible refueling incidents and accidental materials or chemical spills. Specific pollution components and their solutions are listed below:

- All exposed and stored soils all exposed soils will be seeded and mulched upon
 completion of construction within the vicinity. Silt fence will be utilized to contain
 sediment deposited by runoff until seeding can take. Silt fence or similar barrier should be
 installed as needed around long-term stockpiles (30 days+), as well as Vehicle Tracking
 Control should be installed at access points to minimize sediment from leaving the area.
- Vehicle tracking of sediments if sediment is tracked onto the street, a reasonable attempt will be made to clean up any large deposits as soon as possible and if necessary, a street

- sweeper shall be used.
- Management of contaminated soils appropriate measures will be taken to cleanup the
 cause of the contaminated soil. All contaminated soils must be disposed of in an
 appropriate manner off-site.
- Loading and unloading operations should a spill occur during a loading or unloading operation it shall be cleaned up immediately and the on-site personnel should be contacted.
- Outdoor storage activities materials with potential for contamination of stormwater runoff will be stored so as to prevent/minimize the presence of toxic materials, and designated accordingly. The areas on the construction site used for material storage that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system.
- Vehicle and equipment maintenance and fueling all designated fueling and maintenance areas shall be located a minimum of 100 feet from all drainage courses whenever possible.
 If the fueling area is located on porous soil, the area shall be covered with a non-porous lining to prevent soil contamination and any spillage shall be cleaned up immediately.
- Significant dust or particulate generating processes dust-reducing measures will be taken during construction until appropriate seeding and mulching can be placed.
- Routine maintenance activities involving fertilizers, pesticides, detergents, fuels, solvents, oils, etc. oil, grease, coolants, etc. that leak onto the soil or impervious surface should be cleaned up as soon as possible and on-site personnel should be contacted as well.
- On-site waste management practices (waste piles, liquid wastes, dumpsters, etc.) dumpsters will be utilized as needed to remove trash from the site. Any waste material found on-site or generated by construction will be disposed of in a manner as to not cause pollutants in storm water discharges. In the event that waste is to be stored on-site, it shall be in an area located a minimum of 100 feet from all drainage courses whenever possible. Whenever waste is not stored in a non-porous container, it shall be in an area enclosed by a 12-inch high compacted earthen ridge. If the enclosed waste area is located on porous soil, the area shall be covered with a non-porous lining to prevent soil

contamination. Whenever precipitation is predicted or the receptacle is not in use, the waste shall be covered with a non-porous cover, anchored on all sides to prevent its removal by wind, in order to prevent precipitation from leaching out potential pollutants from the waste.

- Non-industrial waste sources such as worker trash and portable toilets all portable toilets should be kept a minimum of 50 feet from a storm drain inlet and secured to the ground.
- Other areas or procedures where potential spills can occur no other areas have been identified at this time.
- General litter/construction debris dumpsters will be utilized as needed to remove trash from the site. Any waste material found on-site or generated by construction will be disposed of in a manner as to not cause pollutants in storm water discharges. In the event that waste is to be stored on-site, it shall be in an area located a minimum of 100 feet from all drainage courses whenever possible. Whenever waste is not stored in a non-porous container, it shall be in an area enclosed by a 12-inch high compacted earthen ridge. If the enclosed waste area is located on porous soil, the area shall be covered with a non-porous lining to prevent soil contamination. Whenever precipitation is predicted, the waste shall be covered with a non-porous cover, anchored on all sides to prevent its removal by wind, in order to prevent precipitation from leaching out potential pollutants from the waste.

<u>3-C. – Structural Practices</u>

Silt Fence

Purpose:

• To act as a barrier to interrupt runoff to allow sediment to settle out

Typical Applications:

- Perimeter control on lots or tracts
- Around dirt stockpiles

Vehicle Tracking Control

Purpose:

• To reduce the amount of sediment leaving an area via vehicle's tires

Typical Applications:

- Long-term stockpiles (30 days or more)
- Construction access points
- On-site trailer parking/access
- A barrier between destabilized and stabilized areas

Sediment Logs, Reinforced Rock Bag

Purpose:

• To act as a barrier to interrupt runoff and allow sediment to settle out

Typical Applications:

- In channels and swales
- Perimeter control on lots, tracts, and medians
- Slope protection
- As part of inlet protection

Temporary Sediment Basin

Purpose:

 To pond water and collect the sediment that falls out before being discharged into the storm system

Typical Applications:

- During overlot grading before onsite storm system is in place
- Located typically by outfall for the site

Check Dam, Reinforced Check Dam

Purpose:

• To act as a barrier to interrupt runoff, slow runoff, and allow sediment to settle out

Typical Applications:

• In channels and swales

Temporary Slope Drain

Purpose:

• To convey runoff over steep slopes with minimal erosion potential

Typical Applications:

• Steep slopes prone to erosion

Drainage Ditch

Purpose:

• To convey surface water to sediment basins

Typical Applications:

- Transport surface water
- Intercept surface water

Stabilized Staging Area

Purpose:

 To provide a stabilized area for construction vehicles and equipment to minimize erosion and disturbance areas

Typical Applications:

- Storage and stock pile location
- Vehicle parking and storage
- Staging area
- Construction trailer location

Construction Fence

Purpose:

• To control vehicle and foot traffic by creating physical barriers

Typical Applications:

- Site boundary
- Sensitive area protection

Surface Roughening

Purpose:

• To slow and limit erosion on destabilized areas

Typical Applications:

- Large destabilized areas that need temporary stabilization
- Sloped areas without established vegetation

3-C.2. - Non-Structural Practices

Temporary/Permanent Seeding

Purpose:

• To provide stabilization of disturbed soil

Typical Applications:

- Any disturbed areas
- Stockpiles
- Slopes

•

<u>Mulch</u>

Purpose:

- To reduce erosion from rain & wind
- To reduce raindrop impact (soil displacement)
- To protect seed from drying and vermin

Typical Applications:

- Any disturbed areas
- Stockpiles
- Slopes

Erosion Control Blanket

Purpose:

- To prevent erosion of the soil surface
- To promote seed germination & vegetation establishment

• To minimize rain drop impact

Typical Applications:

- Slopes greater than 4:1
- In swales (on lots)
- Fine grade stabilization

3-C.3. – Phased BMP Implementation

The site will be graded in three (3) phases. Plans for each phase have been created to stage the BMPs in order to aid the contractor in the implementation of BMPs as construction progresses.

3-C.4. – Materials Handling and Spill Prevention

There will be a designated individual on-site who will receive training on what to do when a hazardous spill occurs.

There will be a small spill kit on-site containing clean-up supplies, emergency contact information, and report(s) to document occurrences.

Spills must be cleaned up as soon as possible and contaminated soil/materials must be properly disposed of off-site.

3-C.5. – Dedicated Concrete or Asphalt Batch Plant

A dedicated asphalt or concrete batch plant will not be utilized. If at such time a batch plant is used it will be the responsibility of the contractor to update the GESC report and plans in addition to receiving/obtaining all necessary permits.

3-C.6. – Vehicle Tracking Control

The contractor will be responsible for placement of vehicle tracking control measures at the locations of major site entrances. Vehicle tracking control measures include, but are not limited to: minimizing site access; street sweeping or scraping; tracking pads; graveled parking areas; wash racks; and contractor education. As well, if sediment is tracked onto the street, a reasonable

attempt will be made to clean up any large deposits as soon as possible and if necessary, a street sweeper may be used.

3-C.7. – Waste Management and Disposal

The contractor will be responsible for placement of concrete washout areas. They will be placed such that concrete washout activities do not result in the discharge of materials, or contribute pollutants to stormwater runoff.

3-C.8. – BMP Specifications

The contractor shall reference the Douglas County *Grading, Erosion and Sediment Control Manual* for information regarding the installation and implementation for each BMP identified in the erosion and sediment control plans.

Part 4. – Final Stabilization & Long-term Stormwater Management

Final Stabilization will be reached when construction activities have ceased and the site has reached 70% vegetative cover in comparison to pre-disturbance levels, or equivalent permanent erosion control measures have been used (pavement, concrete, etc.).

Part 5. – Inspection & Maintenance

Inspections of erosion & sediment control measures will occur every 7 days and within 24 hours of any wet weather event or snowmelt 'event' that incurs erosion. The operator shall keep a record of inspections. Uncontrolled releases of mud or muddy water or measurable quantities of sediment found off the site shall be recorded with a brief explanation as to the measures taken to prevent future releases as well as any measure taken to clean up the sediment that has left the site. Any items in need of correction will occur within 7 days of the inspection.

Based on the results of the inspection, the description of potential pollutant sources and the pollution prevention and control measures shall be revised and modified as appropriate as soon as

practicable after such inspection. The GESC plan shall also be updated to reflect current conditions, installed BMP's, disturbed areas, and design changes.

All temporary and permanent erosion and sediment control facilities shall be maintained, repaired, and inspected as detailed in the Douglas County Grading, Erosion, and Sediment Control Manual. Silt fences will require periodic replacement. Sediment traps and sediment basins shall be cleaned when accumulated sediments equal approximately one-half of trap storage capacity. Vehicle tracking pads will need to be maintained with fresh or cleaned aggregate on an as-need basis. Accumulated sediment at inlet protection, silt fence, rock socks, and check dams shall be removed on an as needed basis. The result of each inspection will be recorded & be made available upon request.

5-A. – Inspection Reports

The General Contractor shall be responsible for the reporting of all BMP inspections. A report summarizing the scope of each inspection, the qualification of personnel performing the inspection, the date(s) of the inspection, major observation relating to the implementation of the GESC and action taken shall be made and retained at the site or be readily available at a designated alternate location until the Inactivation Notice has been submitted. All inspection reports shall be submitted to the owner when the Inactivation Notice is filed. A recommended inspection form has been included in the Appendices. A separate report shall be made to identify any incident of non-compliance.

The General Contractor shall also be responsible for ensuring the required Douglas County Inspections and pre-construction meetings are scheduled and requirements are fulfilled.

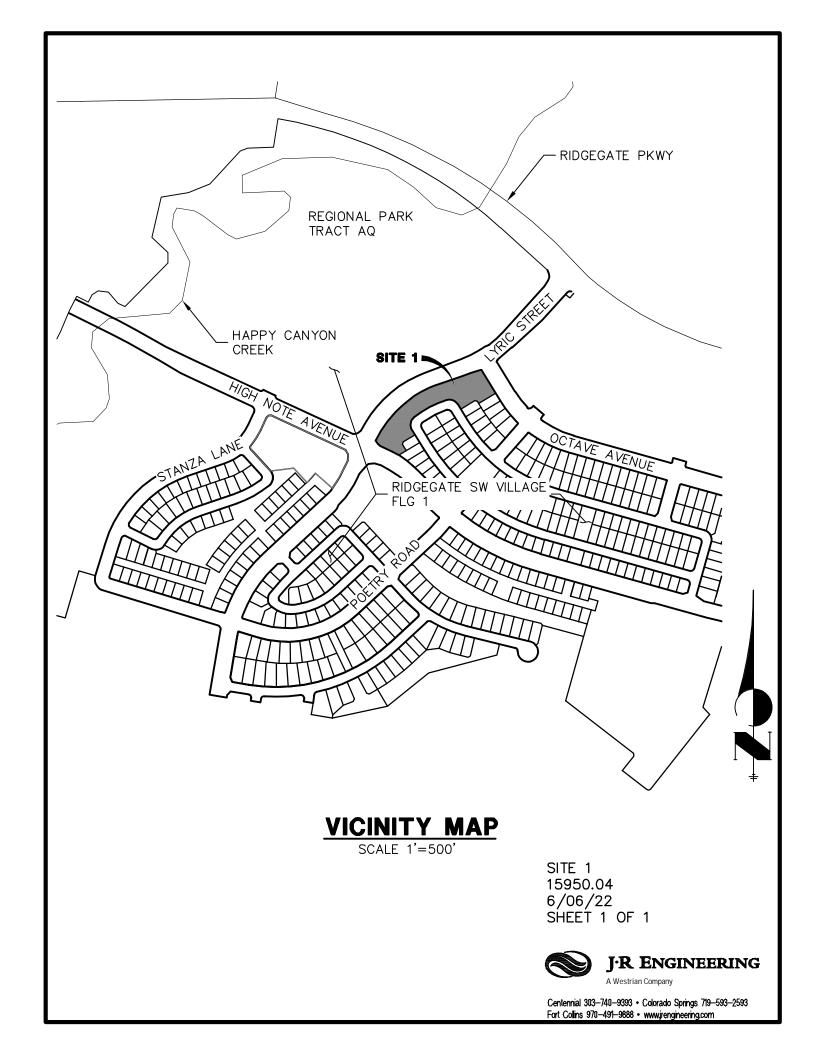
The operator shall keep a record of inspections onsite or a designated alternative location.

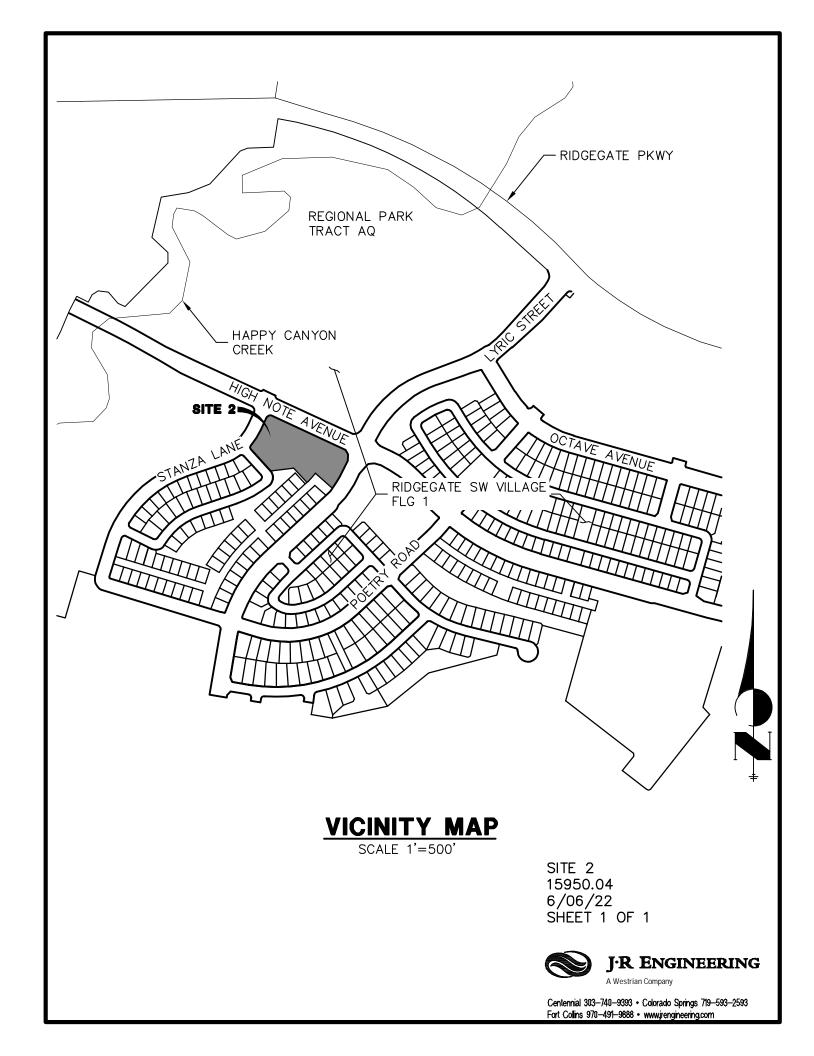
Uncontrolled releases of mud or muddy water or measurable quantities of sediment found off the site shall be recorded with a brief explanation as to the measures taken to prevent future releases as well as any measure taken to clean up the sediment that has left the site. This record shall also include the following information:

- Dates
- □ Names of inspectors
- □ Purpose of inspection i.e. routine, spill event, post wet weather, etc.
- □ An assessment of the entire property as related to erosion and sediment control issues
- □ An evaluation of onsite BMPs
- □ Action items needed to assure the site continually complies with the GESC guidelines
- Documentation of any suggested changes to the plan due to field conditions
- Training events
- □ All record related to this plan including inspection logs shall be maintained by the administrator for a minimum of 3 years from the date that the site is finally stabilized













MAP LEGEND

Special Line Features Streams and Canals Interstate Highways Very Stony Spot Major Roads Stony Spot US Routes Spoil Area Wet Spot Other Rails Nater Features **Fransportation** O 8 ◁ ŧ Soil Map Unit Polygons Area of Interest (AOI) Soil Map Unit Points Soil Map Unit Lines Closed Depression Special Point Features **Gravelly Spot** Borrow Pit Gravel Pit Clay Spot Area of Interest (AOI) Blowout 9 Soils

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

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.

Aerial Photography

Marsh or swamp

Lava Flow

Landfill

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot Sandy Spot

3ackground

Local Roads

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

Soil Survey Area: Castle Rock Area, Colorado Survey Area Data: Version 14, Aug 31, 2021

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

Severely Eroded Spot

Slide or Slip

Sinkhole

Sodic Spot

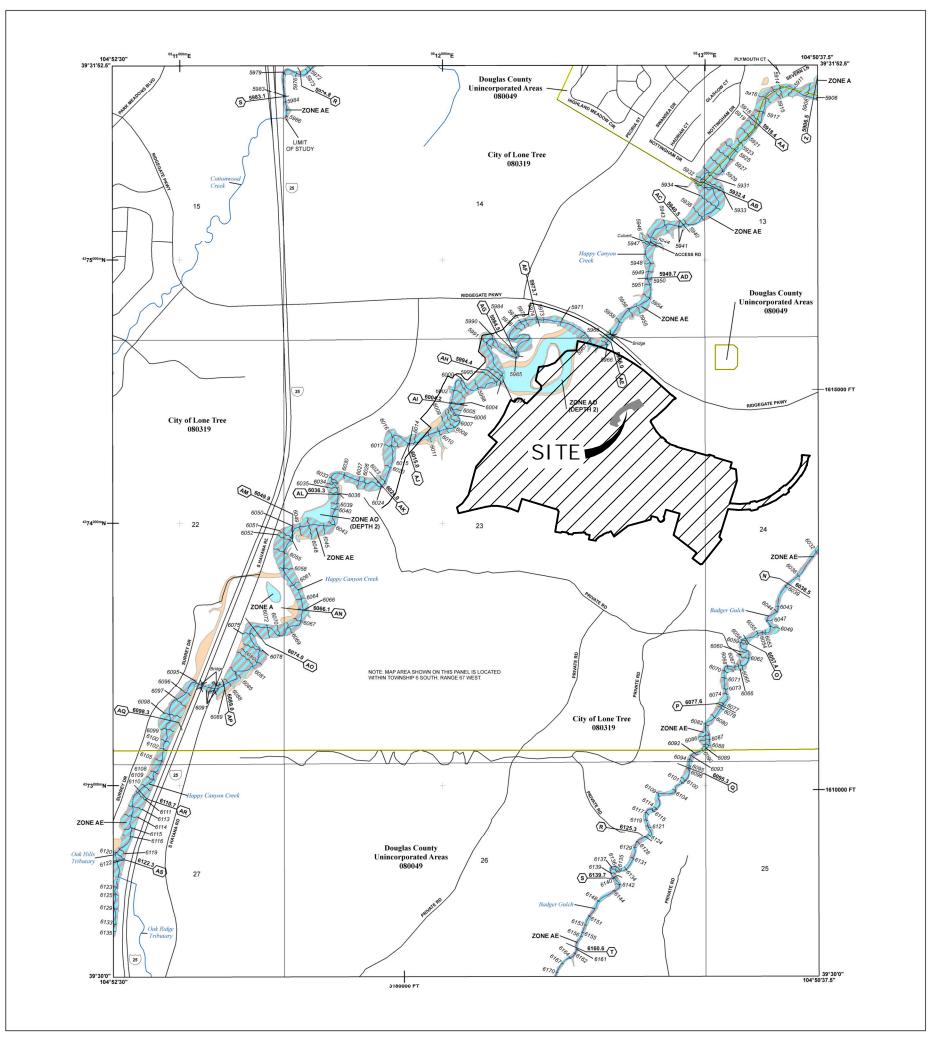
Date(s) aerial images were photographed: Jun 9, 2021—Jun 12, 2021

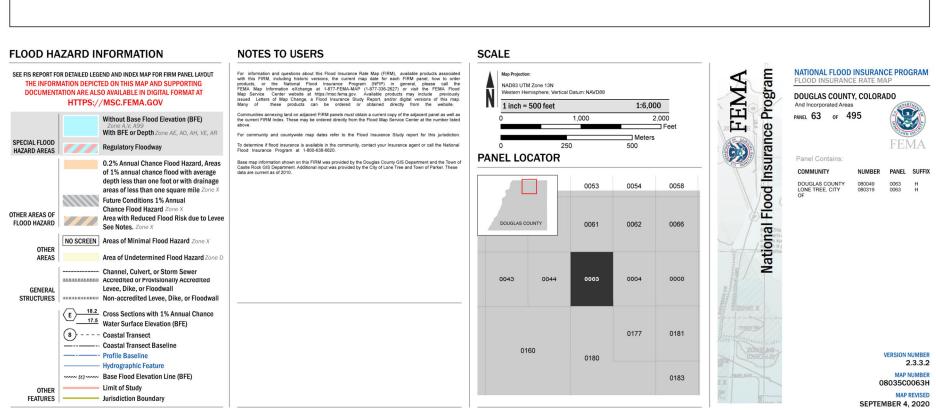
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

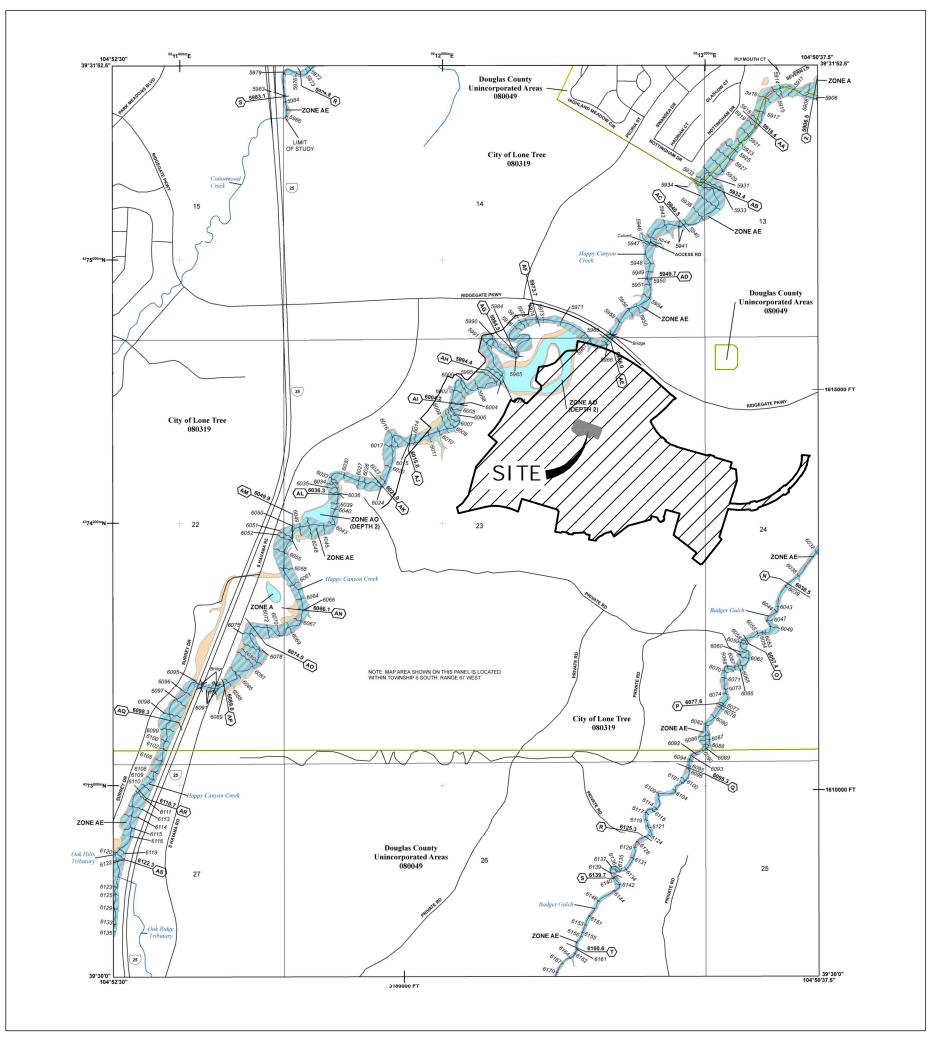
Map Unit Legend

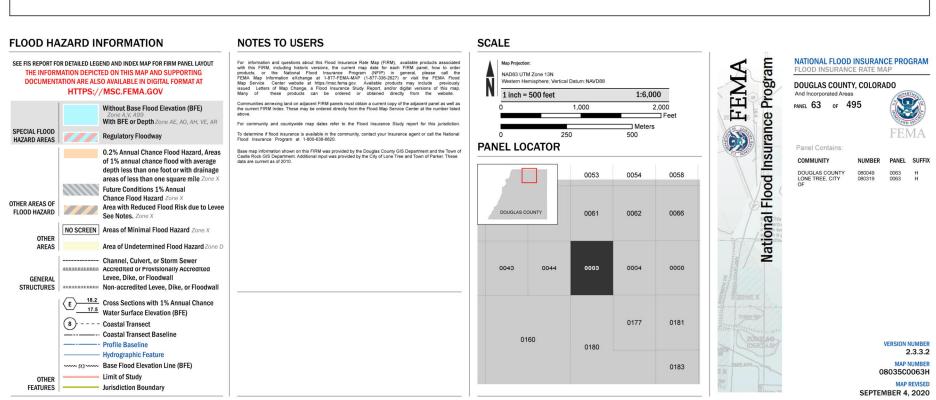
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
En	Englewood clay loam	34.5	32.2%
Fu	Fondis-Kutch association	33.9	31.6%
Lo	Loamy alluvial land	15.4	14.4%
NsE	Newlin-Satanta complex, 5 to 20 percent slopes	21.1	19.7%
RmE	Renohill-Buick complex, 5 to 25 percent slopes	2.2	2.0%
Totals for Area of Interest		107.0	100.0%



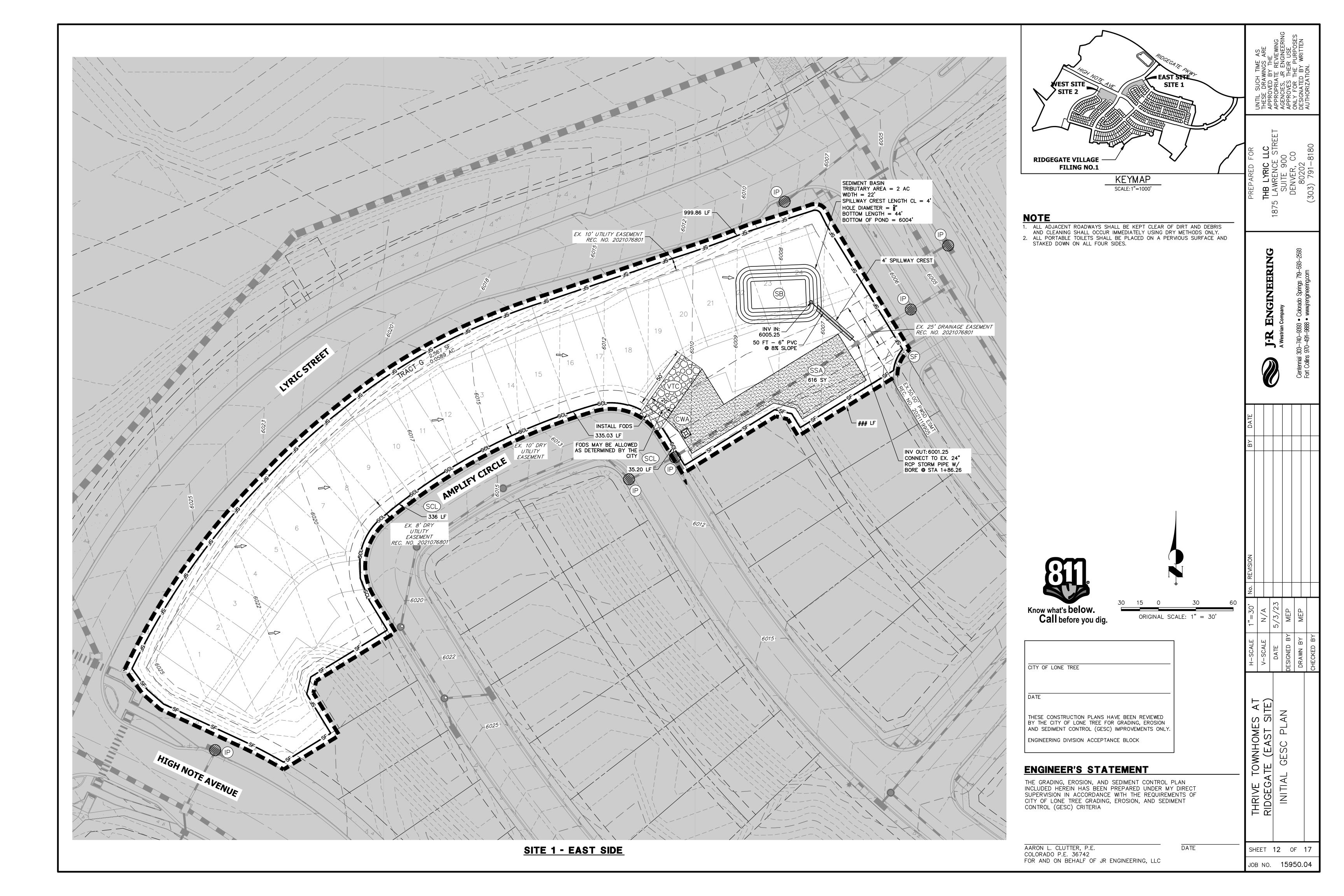


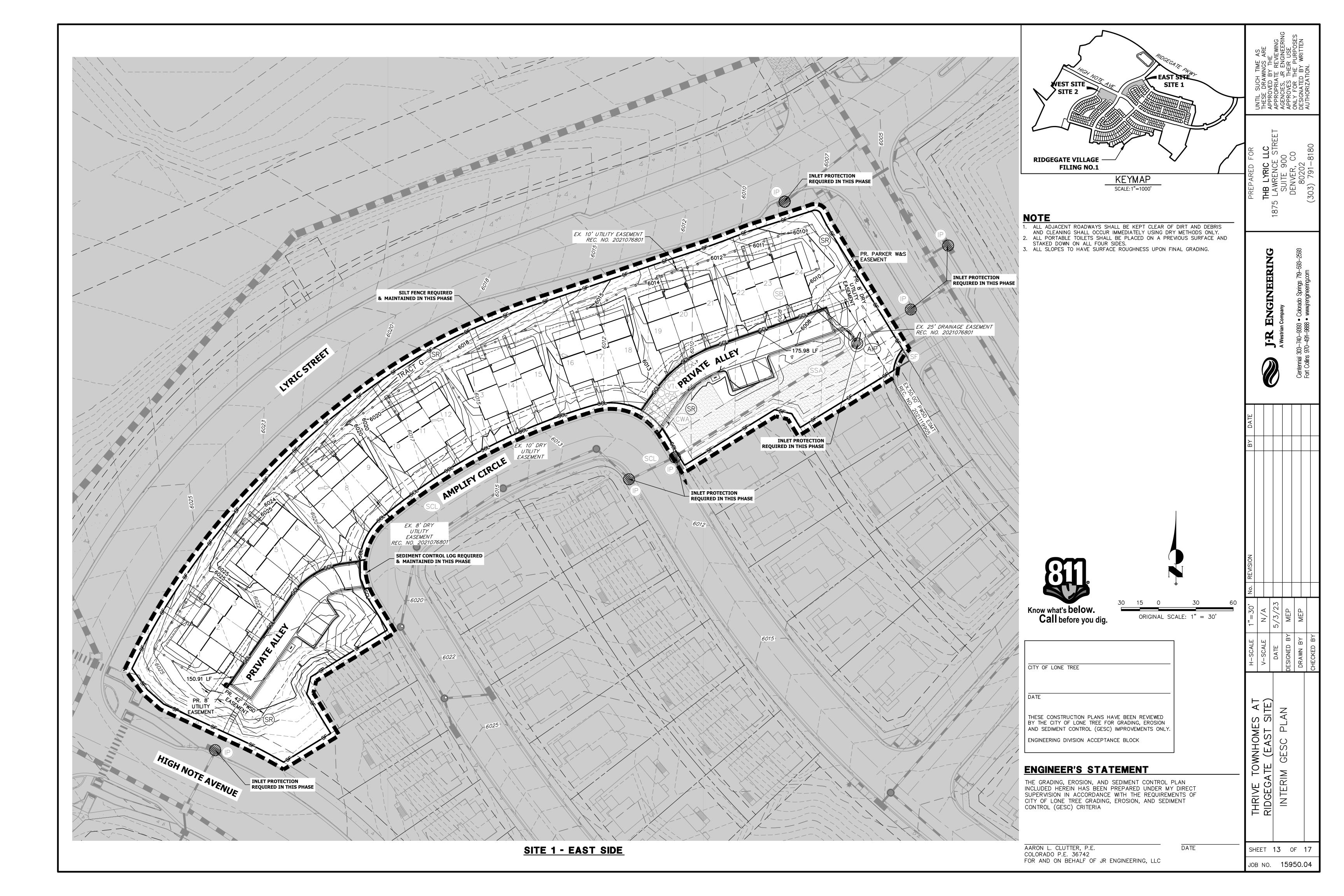


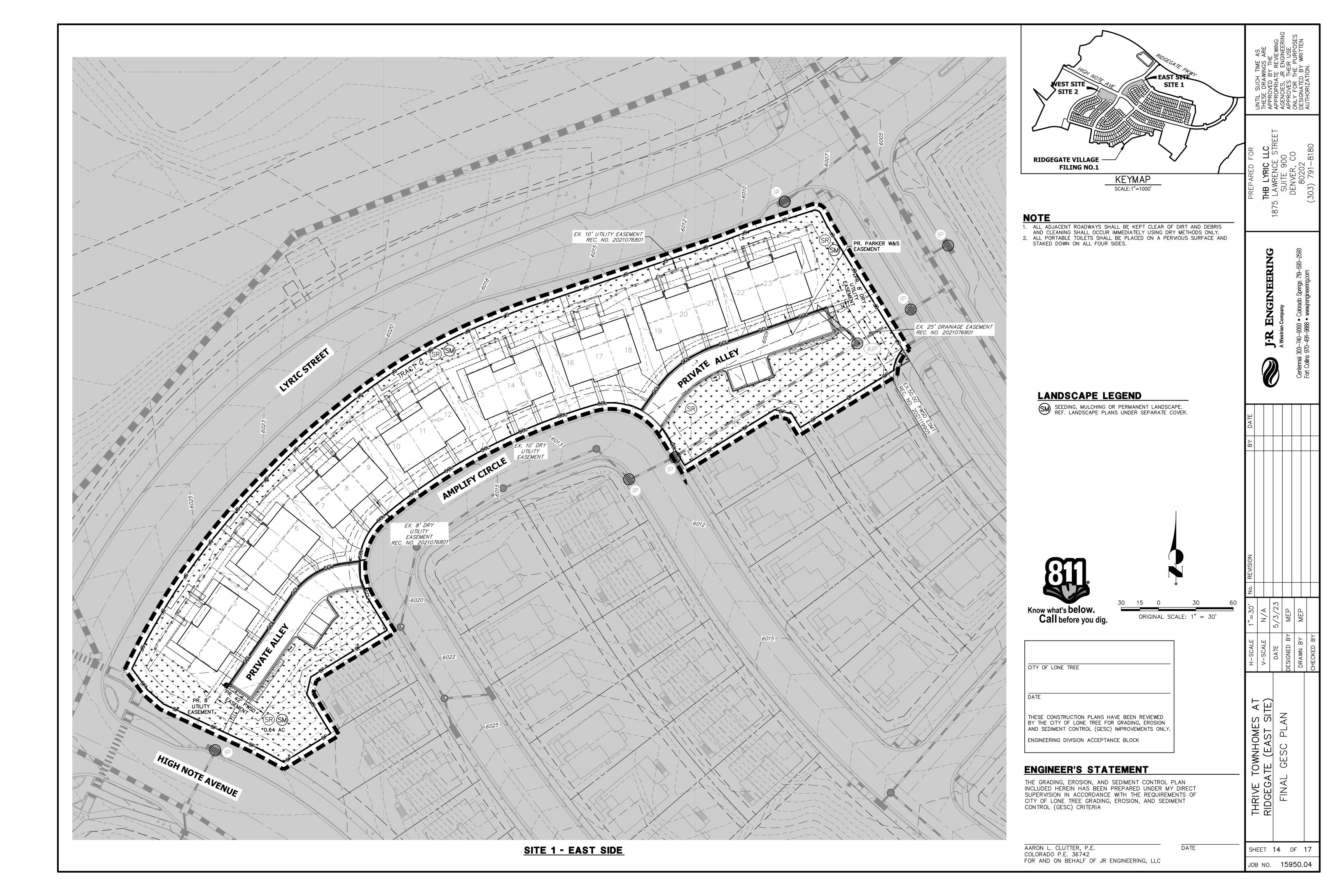


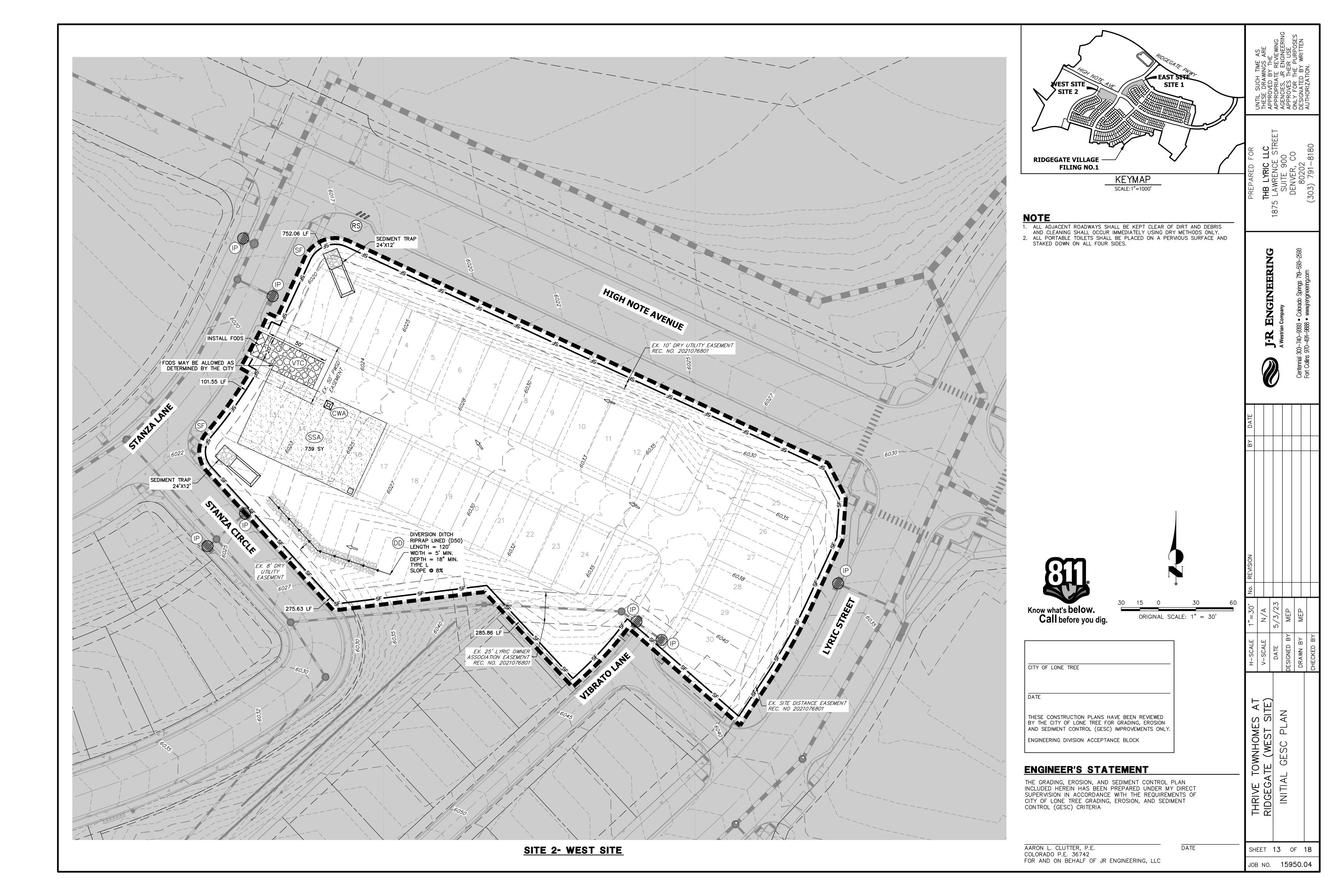


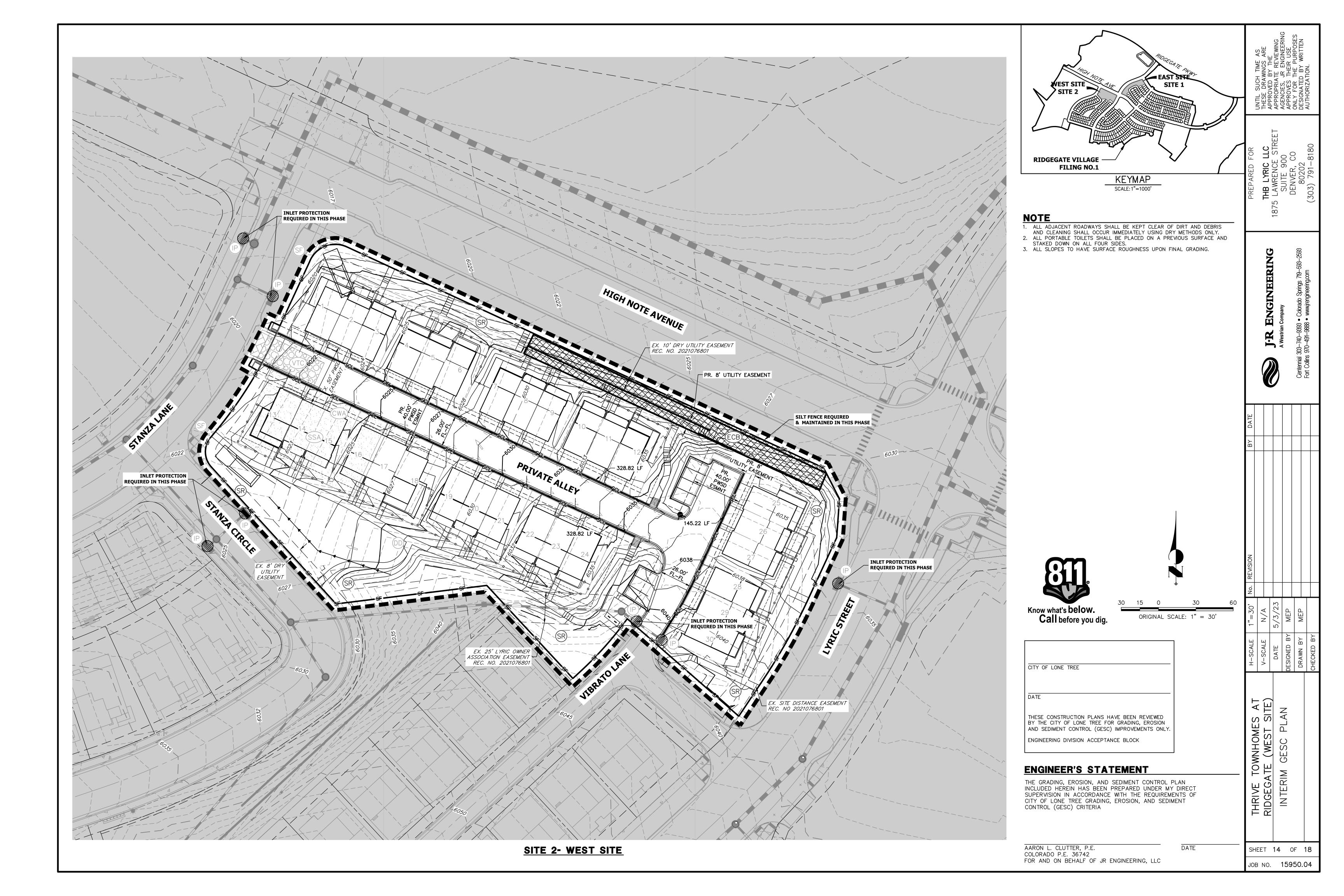


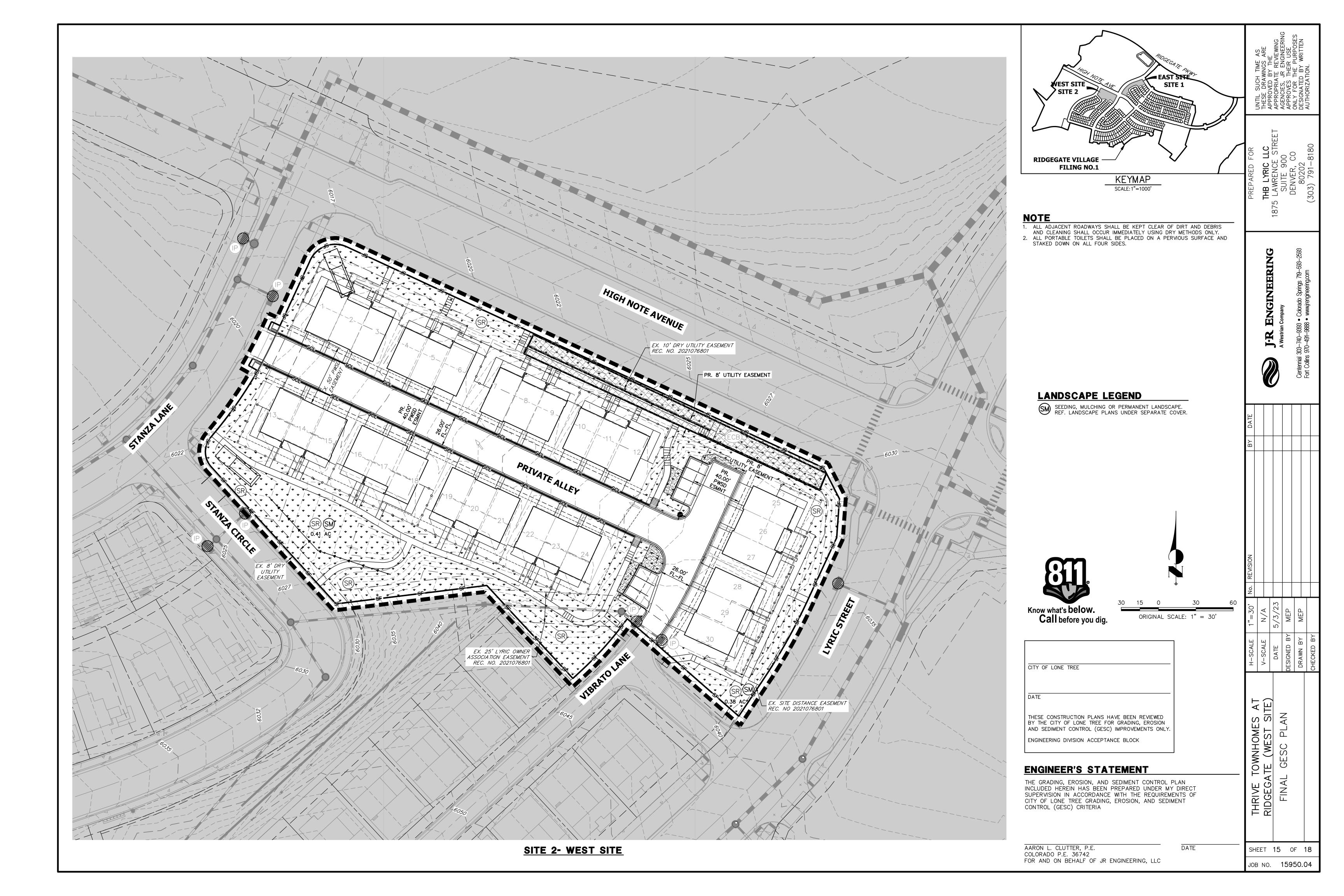












Thrive Townhomes At Ridgegate GESC Permit Cost Opinion Spreadsheet

Subdivision Name: Thrive Townhomes

Project No.: 15950.04

ВМР				Installation		
No.	ВМР	ID	Unit	Unit Cost	Quantity	Cost
1	Check Dam	CD	LF	\$24.00	0	\$0
2	Compost Blanket	CB	SF	\$0.36	0	\$0
3	Compost Filter Berm	CFB	LF	\$2.00	0	\$0
4	Concrete Washout Area	CWA	EA	\$100.00	2	\$200
5	Construction Fence	CF	LF	\$2.00	0	\$0
6	Construction Markers	CM	LF	\$0.20	0	\$0
7	Dewatering	DW	EA	\$600.00	0	\$0
8	Diversion Ditch	DD	LF	\$1.60	120	\$192
9	Erosion Control Blanket	ECB	SY	\$5.00	620	\$3,100
10	Inlet/Outlet Protection	ΙP	LF	\$20.00	13	\$260
11	Reinforced Check Dam	RCD	LF	\$36.00	0	\$0
12	Reinforced Rock Berm	RRB	LF	\$9.00	0	\$0
13	RRB for Culvert Protection	RRC	LF	\$9.00	0	\$0
14	Sediment Basin	SB	EA	\$10,000.00	1	\$10,000
15	Sediment Control Log	SCL	LF	\$2.00	373	\$746
16	Sediment Trap	ST	EA	\$600.00	2	\$1,200
17	Seeding and Mulching	SM	AC	\$2,500.00	1.43	\$3,565
18	Silt Fence	SF	LF	\$2.00	1,204	\$2,408
19	Stabilized Staging Area	SSA	SY	\$2.00	1,355	\$2,710
20	Surface Roughening	SR	AC	\$600.00	4.25	\$2,550
21	Temporary Slope Drain	TSD	LF	\$30.00	0	\$0
22	Temporary Stream Crossing	TSC	TSC	\$1,000.00	0	\$0
23	Vehicle Tracking Control	VTC	EA	\$1,000.00	2	\$2,000
24	Temporary Batch Plant		AC	\$5,000.00	0	\$0
25	Curb Socks	CS	EA	\$30.00	3	\$90
	Subtotal					\$29,021
	10% Contingency		LS		1	\$2,902
	Thrive Townhomes Total					\$31,923

Estimate Prepared By:

JR Engineering Centennial, Colorado (303) 740-9393 Date: 5/3/2023

JR Engineering cannot and does not guarantee that the construction cost will not vary from these opinions of probable construction costs. These opinions represent our best judgment as design professionals familiar with the construction industry and this development.





ASSIGNED	PERMIT	NUN	1BER
Date Received			/
	MM	DD	YYYY
		Revis	ed: 3-2016

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

STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES APPLICATION COLORADO DISCHARGE PERMIT SYSTEM (CDPS)

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

For Applications submitted on paper - 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 or signature pages for the application may be submitted by mail or hand delivered to:

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

For Applications submitted electronically

Please note that you can ONLY complete the feedback form by downloading it to a PC or Mac/Apple computer and opening the Application with Adobe Reader or a similar PDF reader. The form will NOT work with web browsers, Google preview, Mac preview software or on mobile devices using iOS or Android operating systems.

If application is submitted electronically, processing of the application will begin at that time and not be delayed for receipt of the signed document.

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.

Beginning July 1, 2016, invoices will be based on acres disturbed.

DO NOT PA	AY THE FEES NOW - Invoices will be sent after the receipt of the application. Disturbed Acreage for this application (see page 4) Less than 1 acre (\$83 initial fee, \$165 annual fee) 1-30 acres (\$175 initial fee, \$350 annual fee) Greater than 30 acres (\$270 initial fee, \$540 annual fee)
PERMIT INFORMATION]
Reason for Application:	NEW CERT RENEW CERT EXISTING CERT#
Applicant is:	Property Owner Contractor/Operator
* PERMITTED ORGANIZATIO 1) * PERMIT OPERATOR - th	PN FORMAL NAME:
Responsible Person (Title):	
Currently Held By (Person):	FirstName: LastName:
Telephone:	Email Address:
Organization:	
Mailing Address:	
City:	State: Zip Code:

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 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

SW Construction Application for: page 1 of 5

2)	OWNER - party has owned		m lease of property - may be the	e same as the operator.	
	, ,				
	Telephone:			Edstriume.	
	Organization:	-	Email/ladicss.		
	Mailing Address:				
	City:			State	Zip Code:
	City.			State	
	authorized representative o i. The authorization ii. The authorization activity such as the individual or posit	f that person. A peris made in writing specifies either are position of plantion having overall individual or any	erson is a duly authorized represts by the permittee. In individual or a position having the manager, operator of a well or responsibility for environmentate individual occupying a named propersion in the manager.	sentative only if: responsibility for the overall opera a well field, superintendent, posit I matters for the company. (A duly	ened by the permittee or by a duly a duly ation of the regulated facility or ion of equivalent responsibility, or an authorized representative may thus
3)	*SITE CONTACT local contact Same as 1) Permit Opera		relating to the facility & dischar	ge authorized by this permit for th	e facility
	Responsible Person (Title):				
	Currently Held By (Person):	FirstName:		LastName:	
	Telephone:		Email Address:		
	Organization:				
	Mailing Address:				
	City:			State:	Zip Code:
4)	*BILLING CONTACT if diff Same as 1) Permit Opera	•	rmittee.		
	Responsible Person (Title):				
	Currently Held By (Person):	FirstName:		LastName:	
	Telephone:		Email Address:		
	Organization:				
	Mailing Address:				
	City:			State:	Zip Code:
5)	OTHER CONTACT TYPES (check below) Add	I pages if necessary:		
	Responsible Person (Title):				
	Currently Held By (Person):	FirstName:		LastName:	
	Telephone:		Email Address:		
	Organization:				
	Mailing Address:				
	City:			State:	Zip Code:
	Environmental Contact		Consultant		VIS4 Responsible Person
	Inspection Facility Contact	ct	Compliance Contact	Stormwater A	Authorized Representative

SW Construction Application for: page 2 of 5

ΒJ	Project/Facility Name		
	Street Address or Cross Streets (e.g., Park St and 5 Ave; CR 21 and Hwy 10; 44 Ave and Clear Creek); A si identifying information describing the location of the project is <u>not</u> adequbest as possible using the starting point for the address and latitude and l	ıate. For <mark>linear pr</mark>	ojects, the route of the project should be described as
	City: Cou	nty:	Zip Code:
	Facility Latitude/Longitude - List the latitude and longitude of the excavare not known, list the latitude and longitude of the center point of the the center point of construction activity. The preferred method is GPS and	onstruction projec	t. If using the center point, be sure to specify that it is
	Latitude Longitude Decimal Degrees (to 5 decimal places) Decimal Degrees (to 5 decimal places)	, -	70312°, 104.93348°)
	 This information may be obtained from a variety of sources, including: Surveyors or engineers for the project should have, or be U.S. Geological Survey topographical map(s), available at Using a Global Positioning System (GPS) unit to obtain a Google - enter address in search engine, select the map, r 	area map stores. direct reading.	
	Note : the latitude/longitude required above is not the directional degrees property boundaries.	s, minutes, and sec	onds provided on a site legal description to define
C)	C) MAP (Attachment) If no map is submitted, the application cannot Map: Attach a map that indicates the site location and that CLEARLY show adequate for this purpose.		of the area that will be disturbed. A vicinity map is not
D)	D) LEGAL DESCRIPTION - only for Subdivisions Legal description: If subdivided, provide the legal description below, or in	ndicate that it is no	ot annlicable (do not supply Townshin/Pange/Section
	or metes and bounds description of site)	idicate that it is no	te applicable (do not supply Township) Kange/Section
	Subdivision(s): Lot(s):		Block(s)
	OR Not applicable (site has not been subdivided)		
E)	E) AREA OF CONSTRUCTION SITE - SEE PAGE 1 - WILL DETERMINE F	EE	
	Provide both the total area of the construction site, and the area that will undergo	disturbance, in acre	s.
	Total area of project disturbance site (acres):		
	Note: aside from clearing, grading and excavation activities, disturbed areas also i with heavy equipment/vehicle traffic and storage that disturb existing vegetative		g overburden (e.g., stockpiles), demolition areas, and areas
	Part of Larger Common Plan of Development or Sale, (i.e., total, including all	phases, filings, lots, a	nd infrastructure not covered by this application)
F)	F) NATURE OF CONSTRUCTION ACTIVITY		
	Check the appropriate box(es) or provide a brief description that indicates the ger included in the Stormwater Management Plan.)	ieral nature of the co	nstruction activities. (The full description of activities must be
	Commercial Development		
	Residential Development		
	Highway and Transportation Development		
	Pipeline and Utilities (including natural gas, electricity, water, and communica	tions)	
	Oil and Gas Exploration and Well Pad Development		
	Non-structural and other development (i.e. parks, trails, stream realignment,	bank stabilization, de	emolition, etc.)

page 3 of 5

SW Construction Application for:

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 v	H)	RECEIVING WATERS (If discharge is to	a ditch or storm sewer	. include the name of the ultimate	e 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 <u>not</u> allow a discharge into a ditch or storm sewer system without the approval of the owner/ operator of that system.

SW Construction Application for: page 4 of 5

I) SIGNATURE PAGE

1. You may print and sign this document and mail the hard copy to the State along with required documents (address on page one).

2. Electronic Submission Signature

You may choose to submit your application electronically, along with required attachments. To do so, click the SUBMIT button below which will direct you, via e-mail, to sign the document electronically using the DocuSign Electronic Signature process. Once complete, you will receive via e-mail, an electronically stamped Adobe pdf of this application. Print the signature page from the electronically stamped pdf, sign it and mail it to the WQCD Permits Section to complete the application process (address is on page one of the application).

- The Division encourages use of the electronic submission of the application and electronic signature. This method meets signature requirements as required by the State of Colorado.
- The ink signed copy of the electronically stamped pdf signature page is also required to meet Federal EPA Requirements.
- Processing of the application will begin with the receipt of the valid electronic signature.

	STORMWATER	MANAGEMENT	PI AN CERTIF	ICATION
	JI OKIVI VV A I EK	INIVIAVORIAIRIAI	L TWIN CLIVIII	ICALICIA

By checking this box "I certify under penalty of law that a complete Stormwater Management Plan, as described in the stormwater management plan guidance, has been pre-pared 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."

"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." [Reg 61.4(1)(h)]

For Docusign Electronic Signature	_ Ink Signature		Date:
Signature of Legally Responsible Person or Author	orized Agent (submission must include orig	inal signature)	
Name (printed)		Title	

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

The application <u>must be signed</u> 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).

3rd Party Preparer: If this form was prepared by an authorized agent on behalf of the Permittee, please complete the field below.

Preparer Name (printed)

Email Address

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

Attach Map
Attach File
Attach File
Attach File
Attach File

SW Construction Application for: page 5 of 5



COLORADO DEPARTMENT OF TRANSPORTATION STORMWATER FIELD INSPECTION REPORT - ACTIVE CONSTRUCTION (2) Project Contractor: (3) Erosion Control Supervisor/SWMP Administrator: (1) Project Name: Lincoln Creek (4) CDOT Project Engineer/Representative: (5) Inspector(s) (Name and Title): (6) CDOT Project Number: N/A (7) Project Code (Sub Account #): (8) CDPS-SCP Certification#: (9) CDOT (10) Date of Project Inspection: 1000-5916.00 Region: (11) Weather at Time of Inspection:

12) REASON FOR INSPECTION / EXCLUSION

\Box	Routine Inspection: (minimum every 7 Calendar Days)
	Runoff Event: (Post-storm event inspections must be conducted within 24 hours after the end of any precipitation or snowmelt event that causes
	surface erosion. If no construction activities will occur following a storm event, post-storm event inspections shall be conducted prior to re-commencing construction activities, but no later than 72 hours following the storm event. The occurrence of any such delayed inspection must be documented in the
	condition down to a tribitation than 72 hours following the storm event. The occurrence of any such delayed inspection must be documented in the

inspection record.) Routine inspections still must be conducted every 7 calendar days. Storm Start Date:

Approximate End Time of Storm (hrs):

Third Party Request:

Winter Conditions Inspections Exclusion: Inspections are not required at sites where construction activities are temporarily halted, snow cover exists over the entire site for an extended period, and melting conditions posing a risk of surface erosion do not exist. This exception is applicable only during the period where melting conditions do not exist, and applies to the routine 7-day inspections, as well as the post-storm-event inspections. If visual inspection of the site verifies that all of these conditions are satisfied, document the conditions in section 18 (General Notes) and proceed to section 19 (Inspection Certification). Documentation must include: dates when snow cover occurred, date when construction activities ceased, and date when melting conditions began.

Other:

(13) SWMP MANAGEMENT

(14) CURRENT CONSTRUCTION ACTIVITIES:

(10)				(14) CONNENT CONCINICOTION ACTIVITIES:
	Yes	No	NA	
(a) Is the SWMP notebook located on site?				
(b) Are changes to the SWMP documents noted and approved?				
(c) Are the inspection reports retained in the SWMP notebook?				
(d) Are corrective actions from the last inspection completed?				
(e) Is a Spill Prevention Control and Countermeasure Plan retained				
at the project site?				Estimate of disturbed area at the time of
(f) Is a list of potential pollutants retained at the site?				the inspection: Acres

(15) BMPs ON SITE AT TIME OF INSPECTION *See Inspection Report Instructions for more detail.

	In SWMP	Used	Not Needed at this time		In SWMP	Used	Not Needed at this time
(a) EROSION CONTROL BMPs ON S	ITE			(b) SEDIMENT CONTROL BMPs ON SITE			
Seeding				Stabilized Const. Entrance			
Mulching/Mulch Tackifier				Sediment Trap			
Soil Binder				Inlet Protection*			
Soil Retention Blankets				Sediment Basin			
Embankment Protector*				Perimeter Control*			
Grading Techniques*				Other:			
Berm/Diversion				(d) MATERIALS HANDLING, SPILL F	REVENTI	ON, WAS	TE
Check Dams*				MANAGEMENT AND GENERAL POL	LUTION P	REVENT	ION
Outlet Protection*				Stockpile Management*			
Other:				Materials Management*			
(a) DMDa FOD CDECIAL CONDITION				Concrete Waste Management*			
(c) BMPs FOR SPECIAL CONDITION	15			Saw Water Management*			
Dewatering Structure				Solid Waste/Trash Management			
Temp. Stream Crossing				Street Sweeping			
Clear Water Diversion				Sanitary Facility*			
Sensitive Area Fencing				Vehicle and Equip. Management			
Other:				Other:			

Off site Pollutant Discharges are a Violation of the Permit and Reason for Immediate Project Suspension vehicles access the site shall be inspected for evidence of, or the potential for, pollutants leaving the construction site boundaries, entering the stormwater drainage The construction site perimeter, all disturbed areas, material and/or waste storage areas that are exposed to precipitation, discharge locations, and locations where system, or discharging to state waters. If there is evidence of sediment or other pollutants discharging from the site, see section 17 (Construction Site Assessment) (16) CONSTRUCTION SITE ASSESSMENT & CORRECTIVE ACTIONS

condition of the BMP, using more than one letter if necessary: (I) Incorrect Installation; (M) Maintenance is needed; (F) BMP failed to operate; (A) Additional BMP is All erosion and sediment control practices identified in the SWMP shall be evaluated to ensure that they are maintained and operating correctly. Identify the needed; (R) Remove BMP. Keep copies of this blank page for additional room if needed.

Continuous maintenance is required on all BMPs. BMPs that are not operating effectively, have proven to be inadequate, or have failed must be addressed as soon as possible, immediately in most cases.

as soon as possible, illillediately ill illost cases.	cases.			
notation	RMB	Condition	Comments:	Date
			Description of Corrective Action and Preventative Measure Taken & Ini	& Initials
CD				
OT Form #				
1176 7/11				

Fig. 11 these orderions of caberage and the conceive actions in section is nection if Construction Sin Assessment & Connective Actions) or section 18 (General Notes). 11 yes, soe subsection 206.03(c) and Part II AZ and 3 of the permit for reporting requirements.	🚆 (17) CONSTRUCTION SITE ASSESSMENT:**OFF SITE POLLUTANT DISCHARGES ARE A VIOLATION OF THE PERMIT AND REASON FOR IMMEDIATE PROJECT SUSPENSION**	:DIATE PROJECT SUSPENSION**
		18 (General Notes).
	(18) GENERAL NOTES	
	(19) INSPECTION CERTIFICATION	
	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance ν that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who m persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, ε aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowin	with a system designed to assure lanage the system, or those accurate, and complete. I am ig violations.
	Contractor's Erosion Control Supervisor/SWMP Administrator (Signature Required)	Date:
	CDOT Project Engineer/CDOT Designee (Signature Required)	Date:
	(20) COMPLIANCE CERTIFICATION	
Contractor's Erosion Control Supervisor/SWMP Administrator (Signature Required) CDOT Project Engineer/CDOT Designee (Signature Required)		iain a signed statement
CDOT Project Engineer/CDOT Designee (Signature Required)		Date:
1		Date:

Stormwater Management Field Inspection Report Instructions

State waters are defined to be any and all surface and subsurface waters which are contained in or flow through the state, including, streams, rivers, lakes, drainage ditches, storm drains, ground water, and wetlands, but not including waters in sewage systems, waters in treatment works or disposal systems, waters in potable water distribution systems, and all water withdrawn for use until use and treatment have been completed. (Per subsection 107.25 and 25-8-103 (19) CRS)

- (3) Erosion Control Supervisor/SWMP Administrator: Indicate the name of the individual responsible for implementing, maintaining and revising the SWMP.
- **(4) CDOT Project Engineer/Representative:** Indicate the name of the CDOT representative performing the inspection with the ECS/SWMP Administrator. This person should be the Project Engineer or an authorized representative.
- (9) CDPS-SCP Certification #: Indicate the Colorado Discharge Permit System (CDPS) Stormwater Construction Permit (SCP) (for Stormwater Discharges Associated with Construction Activities) certification number, issued by CDPHE, for the project which the report is being completed. Certification number can be found on the first page of the SCP.
- (12) Reason(s) for Inspection / Exclusion: Indicate the purpose for the inspection or exclusion. These inspections are required to comply with the CDOT Specifications and the CDPS-SCP.
- □ Routine Inspections. These inspections are required at least every 7 calendar days during active construction. Suspended projects require the 7 calendar day inspection unless snow cover exists over the entire site for an extended period of time, and melting conditions do not exist (see, Winter Conditions Inspections Exclusions).
- ☐ Runoff Event Inspection for Active Sites. See page 1 for definition.
- ☐ Third Party Request. Indicate the name of the third party requesting the inspection and, if known, the reason the request was made.
- ☐ Winter Conditions Inspections Exclusions. See page 1 for definition. An inspection does not need to be completed, but use this form to document the conditions that meet the Exclusion.
- ☐ Other. Specify any other reason(s) that resulted in the inspection.
- (13) SWMP Management: Review the SWMP records and documents and use a ✓ to answer the question. To comply with CDOT Standard Specifications and the CDPS-SCP, all of the items identified must be adhered to. If No is checked, document the reason and indicate the necessary corrective action in section 16 (Construction Site Assessment & Corrective Actions). If NA is checked, indicate why in the space provided or indicate in section 18 (General Notes).
- (a) Is the SWMP notebook located on site? A copy of the SWMP notebook must be retained on site, unless another location, specified by the permit, is approved by the Division.
- **(b)** Are changes to the SWMP documents noted and approved? Indicate all changes that have been made to any portion of the SWMP notebook documents during construction. Changes shall be dated and signed at the time of occurrence. Amendments may include items listed in subsection 208.03(c).
- **(c)** Are the inspection reports retained in the SWMP notebook? The ECS/Engineer shall keep a record of inspections. Inspection reports must identify any incidents of non-compliance with the terms and conditions of the CDOT specifications or the CDPS-SCP. Inspection records must be retained for three years from expiration or inactivation of permit coverage.
- (d) Are corrective actions from the last inspection completed? Have corrective actions from the last inspection been addressed? Is a description of the corrective action(s), the date(s) of the corrective action(s), and the measure(s) taken to prevent future violations (including changes to the SWMP, as necessary) documented?
- (e) Is a Spill Prevention Control and Countermeasure (SPCC) Plan retained in the SWMP notebook? Subsection 208.06(c) requires that a SPCC plan be developed and implemented to establish operating procedures and that the necessary employee training be provided to minimize accidental releases of pollutants that can contaminate stormwater runoff. Records of spills, leaks or overflows that result in the discharge of pollutants must be documented and maintained. Information that should be recorded for all occurrences include the time and date, weather conditions, reasons for spill, etc. Some spills may need to be reported to the Water Quality Control Division immediately.
- (f) Is a list of potential pollutants retained at the site? Subsection 107.25(b)6 requires the Erosion Control Supervisor to identify and describe all potential pollutant sources, including materials and activities, and evaluate them for the potential to contribute pollutants to stormwater discharge.
- (14) Current Construction Activities: Provide a short description of the current construction activities/phase at the project site; include summary of grading activities, installation of utilities, paving, excavation, landscaping, etc.
- Estimate the acres of disturbed area at the time of the inspection. Include clearing, grading, excavation activities, areas receiving overburden (e.g. stockpiles), demolition areas and areas with heavy equipment/vehicle traffic, installation of new or improved haul roads and access roads, staging areas, borrow areas and storage that will disturb existing vegetative cover.
- (15) BMPs On Site at Time of Inspection: Indicate the BMPs that are installed on-site at the time of inspection. All BMP details (e.g., Standard Plan M-208-1) shall be included with the SWMP documents.

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Stormwater Management Field Inspection Report Instructions (continued)

BMPs In SWMP/Used/Not Needed at this Time. This section can be used as follows:

- ☐ If the BMP is required by the SWMP and implemented, indicate by placing a ✔ in both the "In SWMP" and "Used" columns.
- ☐ If the BMP is required by the SWMP, but not implemented, indicate by placing a ✔ in the "In SWMP" and "Not Needed at this Time" columns.

(a) Erosion Control BMPs On Site

- Embankment Protector (e.g., temporary slope drains, open-chute drains, etc.)
- Grading Techniques (e.g., vertical tracking, scarifying, or disking the surface on the contour, etc.)
- Check Dams (e.g., rock check, erosion logs, erosion bales, silt berms, etc.)
- Outlet Protection (e.g., riprap, erosion log around top of headwall, etc.)

(b) Sediment Control BMPs On Site

- Inlet Protection (e.g., erosion logs, erosion bales, sand bags, gravel bags, etc.)
- Perimeter Control (e.g., silt fence, erosion logs, berms, etc.)

(d) Materials Handling, Spill Prevention, Waste Management and General Pollution Prevention

- Stockpile Management. Stockpiles shall be located away from sensitive areas. All erodible stockpiles (including topsoil) shall be contained by silt fence, berms or other sediment control devices throughout construction (also see subsection 208.07).
- Materials Management. Material that could contribute pollutants to stormwater shall have secondary containment or other equivalent protection (also see subsection 208.06(a).
- Concrete Waste Management. All concrete residue shall be contained in a signed structure as designed per subsection 208.02(j) and subsection 208.05(n). It shall be located a minimum of 50 feet from state waters.
- Saw Water Containment (e.g., pick-up broom or vacuum). Street washing is not allowed.
- Sanitary Facility. Temporary sanitary facilities shall be located 50 feet away from drainage ways, inlets, receiving waters, and located away from areas of high traffic, and areas susceptible to flooding or damage by construction equipment.
- (16) Construction Site Assessment & Corrective Actions: Inspect the construction site and indicate where BMP feature(s) identified in section 15 (BMPs On Site at Time of Inspection), require corrective action. Erosion and sediment control practices identified in the SWMP shall be evaluated to ensure that they are operating correctly.
- Location. Site location (e.g., project station number, mile marker, intersection quadrant, etc.).
- BMP. Indicate the type of BMP at this location that requires corrective action (e.g., silt fence, erosion logs, soil retention blankets, etc.).
- Condition. Identify the condition of the BMP, using more than one letter (identified in section 16) if necessary.
- Description of Corrective Action and Preventative Measure Taken. Provide the proposed corrective action needed to bring the area or BMP into compliance. Once corrective actions are completed, state the measures taken to prevent future violations and ensure that the BMPs are operating correctly, including the required changes made to the SWMP.
- Date Completed & Initials. Date and initial when the corrective action was completed and the preventative measure statement finished.
- (17) Construction Site Assessment: Was there any off site discharge of sediment at this site since the last inspection?

 (a) Is there evidence of discharge of sediment or other pollutants from the site? Off site pollutant discharges are a violation of the permit. The construction site perimeter, all disturbed areas, material and/or waste storage areas that are exposed to precipitation, discharge locations, and locations where vehicles access the site shall be inspected for evidence of, or the potential for, pollutants leaving the construction site boundaries, entering the stormwater drainage system, or discharging to state water.
- **(b)** Has sediment or other pollutants discharging from the site reached state waters? **Off site pollutant discharges are a violation of the permit.** If off site discharge has occurred, explain the discharge and the corrective actions in section 16 (Construction Site Assessment & Corrective Actions) or section 18 (General Notes).
- (18) General Notes: Indicate any additional notes that add detail to the inspection; this may include positive practices noted on the project.
- (19) Inspection Certification: In accordance with Part I, F.1.c of the CDPS-SCP, all reports for submittal shall be signed and certified for accuracy.
- (20) Compliance Certification: In accordance with Part I, D.6.b.2.viii of the CDPS-SCP, compliance shall be certified through signature.

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FOR DIVIISION USE ONLY

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

Effective date			
-			

COLORADO WATER QUALITY CONTROL DIVISION TERMINATION APPLICATION

Print or type all information. Mail original form with ink signature to the following address. Emailed and Faxed forms will not be accepted. All items must be filled out completely and correctly. If the form is not complete, you will be asked to resubmit it.

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

PART A. IDENTIFICATION OF PERMIT OR AUTHORIZATION - Please limit submission to one permit, certification,

	Processing times vary by type information in this application	of discharge. Some discharge	effective on the date approved by the division. types require onsite inspections to verify DES NOT END IN 0000)
PART	B. PERMITTEE INFORMATION		
	Company Name		
		Lassimatrical	ast Name
	Mailing Address		
	City	State	Zip Code
	Phone	Email address	
PART	C. FACILITY OR PROJECT INFO)RMATION	
	Facility/Project name		
	Location/Address		
	-		у
	Local contact name		Title
	Phone	Email address	
	ination request. Not all question	ons need to be answered- only	ation for Part D that applies to your facility and y the part that applies to your facility.
	Part D1 covers facilities no Part D2 covers mining facili		
	Part D3 covers facilities in o Part D4 covers Stormwater	operation but no longer disch Construction facilities where	arging or needing permit coverage. construction is complete and the site is stabilized. nely approval of this termination request.**
Г	D1. FACILITY IS NO LONGER	IN OPERATION AT THIS LOCAT	TION
<u> </u>	removed; all industrial waste have been submitted; and all applies).	es have been disposed of prope I elements of a Stormwater Ma	ed; all potential pollutant sources have been rly; all DMR's, Annual Reports, and other reports nagement Plan have been completed (if this
	**FOR LAGOONS*	please reference "information	regarding Domestic

Treatment Works Closure at Wastewater Treatment Facilities"

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	NING FACILITY IS NO LONGER IN OPERATION AT THIS LOCATION. Ind and Gravel, Coal or Hard Rock Mining
Α.	Mining operation is no longer discharging process/treated water. Bond has not been released by DRMS. A stormwater only permit is requested at this time. Attach application for Stormwater Only permit.
В.	Reclamation of mining site is completed. Bond has been released by DRMS. YES Attach a copy of the Bond release letter. NO Explain below:
	Reclamation of mining site is complete. Is there any continued mine drainage? Eg. Adits or unreclaimed waste piles? YES, Please explain, attach additional pages as necessary.
D3. F	FACILITY IS STILL IN OPERATION BUT IS NO LONGER DISCHARGING OR NO LONGER NEEDS A PERMIT
A.	Facility continues to operate, however the activity producing the discharge has ceased (including changes in SIC Code resulting in change in duty to apply).
В.	Termination is based on alternate disposal of discharges (discharge is being disposed of in another way a. Solid waste disposal unit (e.g. evaporative ponds) b. No Exposure Exclusion (for industrial stormwater facilities only.) NOX Number
	c. Combined with another authorized discharge. Permit Number
-	d. Permit is not required (includes coverage by low risk policy, etc.) - please explain, attach additional pages if necessary
c	PERMITTEE IS NO LONGER THE OWNER/OPERATOR OF THE SITE and all efforts have been made to transfer the permit to appropriate parties. Please attach copies of registered mail receipts, letters, etc.
D4. S	TORMWATER CONSTRUCTION FACILITIES WHERE CONSTRUCTION IS COMPLETE (Select A, B, or C)
A	. SITE IS FINALLY STABILIZED OR CONSTRUCTION WAS NOT STARTED
	 a. The permitted activities meet the requirements for FINAL stabilization in accordance with the permit, the Stormwater Management Plan, and as described in item b. (explanation can be construction activities were not started). b. Describe the methods used to meet final stabilization. (Required)
	b. Describe the methods used to meet final stabilization. (Required)

*Final Stabilization defined on page 3

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D4. STORMWATER CONSTRUCTION FACILITIES WHERE CONSTRUCTION IS COMPLETE (Continued)	
B. ALTERNATIVE PERMIT COVERAGE OR FULL REASSIGNMENT a. All ongoing construction activities including all disturbed areas, covered under the permi certification listed in Part B have coverage under a separate CDPS Stomwater Construction permit. The Division's Reassignment form was used by the permittee to reassign all areas activities. b. Permit certification number covering the ongoing activities (Required)	on
C. PERMITTEE IS NO LONGER THE OWNER OR OPERATOR OF THE FACILITY All efforts have been made to transfer the permit to appropriate parties. Please attach copies of registered mail receipt, letters, etc.	
*Final stabilization is reached when: all ground surface disturbing activities at the site have been complete including removal of all temporary erosion and sediment control measure, and uniform vegetative cover has established with an individual plant density of at least 70 percent of predisturbance levels, or equivalent permanent, physical erosion reduction methods have been employed.	
PART E. CERTIFICATION SIGNATURE REQUIRED FOR ALL TERMINATION REQUESTS	
I certify under penalty of law that this document and all attachments were prepared under my directio 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 sys those individuals immediately responsible for gathering the information, the information submitted is to 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. " (See 18 USC 1001 and 33 USC 1319)	d tem, or o the
I certify that I am the legal representative of the above named company (PART B page 1).	
Applies to Stormwater Construction terminations: I understand that by submitting this notice of termination, I am no longer authorized to discharge storm associated with construction activity by the general permit. I understand that discharging pollutants in stormwater associated with construction activities to the waters of the State of Colorado, where such discharges are not authorized by a CDPS permit, is unlawful under the Colorado Water Quality Control the Clean Water Act.	
Signature of Legally Responsible Party Date Signed	
Name (printed) Title	

Signatory requirements: This termination request shall be signed, dated, and certified for accuracy by the permittee in accord with the following criteria:

- 1. In the case of a corporation, by a principal executive officer of at least the level of vice-president, or his or her duly authorized representative, if such representative is responsible for the overall operation of the operation from which the discharge described herein originates;
- 2. In the case of a partnership, by a general partner;
- 3. In the case of a sole proprietorship, by the proprietor;
- 4. In the case of a municipal, state, or other public operation, by either a principal executive officer, ranking elected official, or other duly authorized employee.

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