TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION Rcd DWR em 6.4.2021
Division of Water Resources
William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243
1-888-891-8332 (TDEC)

Notice of Intent (NOI) for General NPDES Permit for Stormwater Discharges from Construction Activities (TNR100000)

Site or Project Name: Gulch Union South Tower	***NPDES Tracking Number: TNR***
Street Address or Location: 1207 McGavock St. Nashville, TN 37203	Construction Start Date: August 2021
	Estimated End Date: July 2023
Site Description: High rise residential tower with retail, and parking	Latitude (dd.dddd): 36.15500
	Longitude (-dd.dddd): -86.78694
County(ies): Davidson / MS4 (if applicable):	Acres Disturbed: 1.93
Check box if a SWPPP is attached : ☑ / Check box if a site location map is attached: ☐	Total Acres: 1.88

Check the appropriate box(s) if there are streams and/or wetlands on or adjacent to the construction site: Streams ☐ Wetlands ☐

Has a jurisdictional determination been made by the USACE or EPA identifying waters of the United States?: Yes ☐ No ☑
Note: if yes, attach the jurisdictional determination

If an Aquatic Resource Alteration Permit (ARAP) has been obtained for this site, what is the permit number? NR(S)

Receiving waters: Cumberland River

Site Owner/Developer (Primary Permittee): (Provide person, company, or entity that has operational or design control over construction plans and specifications): 12D Nashville Land Partners, LP

For corporate entities only, provide correct Tennessee Secretary of State (SOS) Control Number: [redacted] 975765
(an incorrect SOS control number may delay NOI processing)

Site Owner or Developer Contact Name: (signs the certification below) Will Marsh		Title or Position: Principal, Endeavor Real Estate Group	
Mailing Address: 500 W 5th St., Suite 700		City: Austin	State: TX / Zip: 78701
Phone: (512) 682-5550	Fax: ( )	E-mail: wmarsh@endeavor-re.com	
Optional Contact:		Title or Position:	
Mailing Address:		City:	State: / Zip:
Phone: ( )	Fax: ( )	E-mail:	

Owner/Developer(s) Certification: (must be signed by president, vice-president or equivalent, or ranking elected official) (Primary Permittee)

I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information 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. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

Owner/Developer Name (print/type): Will Marsh	Signature: [signature]	Date: 5/21/2021
Owner/Developer Name (print/type):	Signature:	Date:

Contractor Certification: (must be signed by president, vice-president or equivalent, or ranking elected official) (Secondary Permittee)

I certify under penalty of law that I have reviewed this document, any attachments, and the SWPPP referenced above. Based on my inquiry of the construction site owner/developer identified above and/or my inquiry of the person directly responsible for assembling this NOI and SWPPP, I believe the information submitted is accurate. I am aware that this NOI, if approved, makes the above-described construction activity subject to NPDES permit number TNR100000, and that certain of my activities on-site are thereby regulated. I am aware that there are significant penalties, including the possibility of fine and imprisonment for knowing violations, and for failure to comply with these permit requirements. As specified in Tennessee Code Annotated Section 39-16- 702(a)(4), this declaration is made under penalty of perjury.

Contractor name, address, and SOS control number (if applicable):	Signature:	Date:

OFFICIAL STATE USE ONLY

Received Date: 6.4.21	Reviewer:	Field Office: 04	Permit Tracking Number: TNR 245148	Exceptional TN Water:
Fee(s):	T & E Aquatic Flora/Fauna:	SOS Corporate Status:	Waters with Unavailable Parameters:	Notice of Coverage Date:

Stormwater Pollution Prevention Plan for:

Gulch Union South Tower
1207 McGavock Street
Nashville, TN 37203

Owner:

Company: Endeavor Real Estate Group
Contact: Will Marsh
Address: 500 W 5th Street
City, State, Zip: Austin, TX 78701
Phone: (512) 682-5550
Email: wmarsh@endeavor-re.com

Contractor:

Company:
Contact:
Address:
City, State, Zip:
Phone:
Email:

SWPPP Preparation Date:

5/14/2021

Estimated Project Dates:
Project Start Date: August 2021
Project Completion Date: July 2023

Contents

SECTION 1: SITE EVALUATION, ASSESSMENT, AND PLANNING

1.1 Project/Site Information

Project/Site Name: Gulch Union South Tower

Project Street/Location: 1207 McGavock Street

City: Nashville State:TN ZIP Code:

County or Similar Subdivision: Davidson

Latitude/Longitude (Use **one** of three possible formats, and specify method)

Latitude: 36.15500 N

Longitude: -86.78694 W

Method for determining latitude/longitude:

☐ USGS topographic map (specify scale:) ☐ EPA Web site ☐ GPS

☒ Other (please specify): Google Earth

Is the project located in Indian country? ☐ Yes ☒ No

If yes, name of Reservation, or if not part of a Reservation, indicate "not applicable." N/A

Is this project considered a federal facility? ☐ Yes ☒ No

NPDES project or permit tracking number*:

**(This is the unique identifying number assigned to your project by your permitting authority after you have applied for coverage under the appropriate National Pollutant Discharge Elimination System (NPDES) construction general permit.)*

1.2 Contact Information/Responsible Parties

Company: Endeavor Real Estate Group

Contact: Will Marsh

Address: 500 W 5th Street

City, State, Zip: Austin, TX 78701

Phone: (512) 682-5550

Email: wmarsh@endeavor-re.com

Company:
Contact:
Address:
City, State, Zip:
Phone:
Email:

Emergency 24-Hour Contact:

Company: Endeavor Real Estate Group
Contact: Will Marsh
Phone: 512-682-5550

This SWPPP was Prepared by:

Company: Catalyst Design Group
Contact: Andrew Wiseman
Address: 5100 Tennessee Avenue
City, State, Zip Code: Nashville, TN 37209
Phone: (615) 622-7200
Email: awiseman@catalyst-dg.com

Subcontractor:

Company: _____
Contact: _____
Address: _____
City, State, Zip Code: _____
Phone: _____
Email: _____

Subcontractor:

Company: _____
Contact: _____
Address: _____
City, State, Zip Code: _____
Phone: _____
Email: _____
Company: _____

1.3 Nature and Sequence of Construction Activity

Describe the general scope of the work for the project, major phases of construction, etc:

This project will consist of the construction of a high-rise residential tower with retail and parking.

What is the function of the construction activity?

☒ Residential ☐ Commercial ☐ Industrial ☐ Road Construction ☐ Linear Utility

☐ Other (please specify):

Estimated Project Start Date: August 2021

Estimated Project Completion Date: July 2023

1.4 Soils, Slopes, Vegetation, and Current Drainage Patterns

Soil type(s):

According to the NRCS soils map, the site soils consist entirely of Maury- Urban Land complex (rated B-type soils)

Slopes (describe current slopes and note any changes due to grading or fill activities):

The existing site is generally highest in elevation at the southern corner. Slopes across the site range from 2% to greater than 7%.

Drainage Patterns (describe current drainage patterns and note any changes dues to grading or fill activities):

Current drainage patterns convey runoff south-north across the site, where it converges into an underground storm system that conveys into the Kerrigan combined sewer.

Vegetation:

The site is currently developed with a single story building, two story building, and is paved with ashphalt.

Other:

1.5 Construction Site Estimates

The following are estimates of the construction site.

Total project area (onsite):	1.88 +/- acres
Construction site area to be disturbed (incl. offsite grading):	1.93 +/- acres
Percentage impervious area before construction:	100 %
Curve Number before construction:	98
Percentage impervious area after construction:	100%
Curve Number after construction:	97

1.6 Receiving Waters

Description of receiving waters:

The receiving water for this site is an unnamed drainage channel that ultimately enters the Cumberland River

Description of storm sewer systems:

The stormwater runoff will be drained via sheet flow, shallow concentrated flow, and underground storm drain pipes to a cistern, which will be used as makeup water for the cooling towers for the associated residential tower.

Description of impaired waters or waters subject to TMDLs:

N/A

Other:

There are no known wetlands on this site.

1.7 Site Features and Sensitive Areas to be Protected

Description of unique features that are to be preserved:
N/A
Describe measures to protect these features:
N/A

1.8 Potential Sources of Pollution

Potential sources of sediment to stormwater runoff:

- Clearing and grubbing operations
- Grading and site excavation operations
- Vehicle tracking
- Topsoil stripping and stockpiling

Potential pollutants and sources, other than sediment, to stormwater runoff:

- Combined Staging Area – small fueling activities, minor equipment maintenance, sanitary facilities, and hazardous waste storage.
- Materials Storage Area – general building materials, solvents, adhesives, paving materials, paints, aggregates, trash, and so on.
- Concrete Washout Area

Trade Name Material	Stormwater Pollutants	Location
Pesticides (insecticides, fungicides, herbicides, rodenticides)	Chlorinated hydrocarbons, organophosphates, carbamates, arsenic	Herbicides used for noxious weed control
Fertilizer	Nitrogen, phosphorous	Newly seeded areas
Plaster	Calcium sulphate, calcium carbonate, sulfuric acid	Building construction
Cleaning solvents	Perchloroethylene, methylene chloride, trichloroethylene, petroleum distillates	No equipment cleaning allowed in project limits
Asphalt	Oil, petroleum distillates	Streets and roofing
Concrete	Limestone, sand, pH, chromium	Curb and gutter, building construction
Glue, adhesives	Polymers, epoxies	Building construction
Paints	Metal oxides, stoddard solvent, talc, calcium carbonate, arsenic	Building construction
Curing compounds	Naphtha	Curb and gutter
Wood preservatives	Stoddard solvent, petroleum distillates, arsenic, copper, chromium	Timber pads and building construction
Hydraulic oil/fluids	Mineral oil	Leaks or broken hoses from equipment
Gasoline	Benzene, ethyl benzene, toluene, xylene, MTBE	Secondary containment/staging area
Diesel Fuel	Petroleum distillate, oil & grease, naphthalene, xylenes	Secondary containment/staging area
Kerosene	Coal oil, petroleum distillates	Secondary containment/staging area
Antifreeze/coolant	Ethylene glycol, propylene glycol, heavy metals (copper, lead, zinc)	Leaks or broken hoses from equipment
Sanitary toilets	Bacteria, parasites, and viruses	Staging area

1.9 Endangered Species Certification

Are endangered or threatened species and critical habitats on or near the project area?

☐ Yes ☒ No

If yes, describe the species and/or critical habitat:

NA

If yes, describe or refer to documentation that determines the likelihood of an impact on identified species and/or habitat and the steps taken to address that impact. (Note, if species are on or near your project site, EPA strongly recommends that the site operator work closely with the appropriate field office of the U.S. Fish and Wildlife Service or National Marine Fisheries Service. For concerns related to state or tribal listing of species, please contact a state or tribal official.)

NA

1.10 Historic Preservation

Are there any historic sites on or near the construction site?

☐ Yes ☒ No

If yes, describe or refer to documentation that determines the likelihood of an impact on this historic site and the steps taken to address that impact.

NA

1.11 Applicable Federal, Tribal, State or Local Programs

There are no known special or extra federal, tribal, state or local soil and erosion control and stormwater requirements that apply to this construction site.

1.12 Maps

The site maps and drawings are attachments to this SWPPP.

SECTION 2: EROSION AND SEDIMENT CONTROL BMPS

2.1 Minimize Disturbed Area and Protect Natural Features and Soil

Construction Fencing

The site will be fenced to demarcate the construction area.

2.2 Phase Construction Activity

The proposed project is too small for phased grading to be practical. The areas of the site that will remain vegetated after construction will be graded first and stabilized immediately after grading activities are completed. All other areas of the construction site will be stabilized if site work is not planned for more than 14 days. To minimize potential erosion from the site, only areas necessary to construct the construction exit will be disturbed initially. This area will be cleared, grubbed, and graded and the above measures will be installed. This area will be stabilized immediately after construction but no later than 14 days after construction ceases. Graded areas will be stabilized immediately after construction but no later than 14 days after construction ceases.

2.3 Control Stormwater Flowing onto and through the Project

Silt Fence

BMP Description: Silt fences will be installed along the perimeters of the site and around any soil stockpiles, as noted on the EPSC plans. Silt fences will be installed by excavating a 12-inch-deep trench along the line of proposed installation. Wooden posts supporting the silt fence will be spaced 4 to 6 feet apart and driven securely into the ground; a minimum of 18 to 20 inches deep. The silt fence will be fastened securely to the wooden posts with wire ties spaced every 24 inches at the top, mid section, and bottom of the wooden post. The bottom edge of the silt fence will extend across the bottom of the trench and the trench will be backfilled and compacted to prevent stormwater and sediment from discharging underneath the silt fence. Where the installation of silt fences is not practical, sediment tubes should be used (see above).	
Installation Schedule:	The silt fences will be installed before construction begins at the site and around topsoil stockpiles once they have been established.
Maintenance and Inspection:	Silt fences will be inspected twice-weekly and immediately after storm events to ensure it is intact and that there are no gaps where the fence meets the ground or tears along the

	length of the fence. If gaps or tears are found during the inspection, the fabric will be repaired or replaced immediately. Accumulated sediment will be removed from the fence base if it reaches one-third the height of the silt fence and hauled off-site for disposal at the landfill. If accumulated sediment is creating noticeable strain on the fabric and the fence might fail from a sudden storm event, the sediment will be removed more frequently. Before the fence is removed from the project area, the sediment will be removed. The anticipated life span of the silt fence is 6 months and will likely need to be replaced after this period.
Responsible Staff:	Contractor

Temporary Siltation Eels

BMP Description: Siltation eels will be installed where silt fence is not practical. Installation is accomplished by placing siltation eels along the line of proposed installation. Sand bags are then to be placed on top of the siltation eels at 10' intervals.	
Installation Schedule:	The siltation eels will be installed before construction begins at the site and around topsoil stockpiles once they have been established.
Maintenance and Inspection:	Siltation eels will be inspected twice-weekly and immediately after storm events to ensure it is intact and that there are no tears along the length of the eel. If gaps or tears are found during the inspection, the fabric will be repaired or replaced immediately. Accumulated sediment will be removed from the eel base if it reaches one-third the height of the eel and hauled off-site for disposal at the landfill. If accumulated sediment is creating noticeable strain on the fabric and the eel might fail from a sudden storm event, the sediment will be removed more frequently. Before the eel is removed from the project area, the sediment will be removed. The anticipated life span of the siltation eel is 6-12 months and will likely need to be replaced after this period.
Responsible Staff:	Contractor

2.4 Stabilize Soils

Temporary Stabilization

BMP Description: Temporary seeding will provide immediate protection to exposed soils where construction will cease for more than 14 days before construction activities are resumed. Straw mulch will cover the seeded areas.	
☐ ***Permanent***	☒ ***Temporary***
Installation Schedule:	Portions of the site where construction activities will temporarily cease for more than 14 days will be stabilized with mulch.
Maintenance and Inspection:	Seeded areas will be inspected weekly and after storm events to check for movement of mulch or erosion. If washout, breakage, or erosion occurs, the surface will be repaired, and new seeding will be applied to the damaged area.
Responsible Staff:	Contractor

Permanent Stabilization

BMP Description: Permanent stabilization will be done immediately after the final design grades are achieved but no later than 14 days after construction ceases. Native species of plants will be used to establish vegetative cover on exposed soils. Permanent stabilization will be completed in accordance with the final stabilization procedures in Section 7.	
☒ ***Permanent***	☐ ***Temporary***
Installation Schedule:	Portions of the site where construction activities have permanently ceased will be stabilized, as soon as possible but no later than 14 days after construction ceases.
Maintenance and Inspection:	All seeded areas will be inspected weekly during construction activities for failure and after storm events until a dense cover of vegetation has been established. If failure is noticed at the seeded area, the area will be reseeded, fertilized, and mulched immediately. After construction is completed at the site, permanently stabilized areas will be monitored until final stabilization is reached.
Responsible Staff:	Contractor

Dust Control

BMP Description: If necessary, dust from the site will be controlled by using a mobile pressure-type distributor truck to apply potable water to disturbed areas. The mobile unit will apply water at a rate of 300 gallons per acre and minimized as necessary to prevent runoff and ponding.

☐ *Permanent*	☒ *Temporary*
Installation Schedule:	Dust control will be implemented as needed once site grading has been initiated and during windy conditions (forecasted or actual wind conditions of 20 mph or greater) while site grading is occurring. Spraying of potable water will be performed no more than three times a day during the months of May–September and once per day during the months of October–April or whenever the dryness of the soil warrants it.
Maintenance and Inspection:	At least one mobile unit will be available at all times to distribute potable water to control dust on the project area. Each mobile unit will be equipped with a positive shutoff valve to prevent over watering of the disturbed area. For vehicle and equipment maintenance practices, see Section 3, Part 3.4.
Responsible Staff:	Contractor

2.5 Protect Slopes

Erosion Control Matting

BMP Description: Erosion control matting will be installed on any slopes equal to or exceeding 3:1. Permanent matting will be required for slopes over 3:1. Installation of the matting consists of unrolling strips of matting as outlined in the manufacturer's specifications and securing them to the ground with staples. Installation patterns, staple locations, and maintenance tasks will be outlined by the manufacturer.	
Installation Schedule:	Erosion control matting will be installed toward the end of construction, when the site is largely stabilized, or when steep slopes are completely graded. Other installation times/schedules shall be as noted on the EPSC plans.
Maintenance and Inspection:	Maintenance and inspection tasks will be as outlined in the manufacturer's specifications.
Responsible Staff:	Contractor

2.6 Protect Storm Drain Inlets

Storm Drain Inlet Protection

BMP Description: Inlets will be protected from sediment by using sediment tube, silt fence, or sandbag barriers at the discretion of the contractor.

For silt fence, place 2" x 2" wooden stakes around the perimeter of the inlet a maximum of 3'

apart and drive them at least 8" into the ground. The stakes must be at least 3' long. Excavate a trench approximately 8" wide and 12" deep around the outside perimeter of the stakes. Staple the filter fabric to wooden stakes so that 32" of the fabric extends out and can be formed into the trench. Use heavy-duty wire staples at least l" in length. Backfill the trench with ¾" or less washed gravel all the way around.

Sediment tubes will be installed by laying them flat on the ground and staking them on the downstream side at a spacing per manufacturer's recommendation. All rocks, vegetation, or any debris shall be removed prior to installation so that the tube makes direct contact with the ground. When sediments tubes are placed directly on paved surfaces, the tube shall be placed flat on the ground, with sand bags placed directly on top of the tube to prevent movement and provide stabilization. Sand bags shall be placed perpendicular to the run, and at a spacing of not less than 8 feet.

☐ ***Permanent***	☒ ***Temporary***
Installation Schedule:	The inlet protection will be installed on the existing inlets before construction begins.
Maintenance and Inspection:	Replace or clean clogged filter fabric immediately. Make sure the fabric doesn't have any holes or tears. Remove sediment when depth exceeds one-third the height of the fabric. Inspect all inlet and catch basin protection devices twice-weekly, before and after every rainfall event. During extended rainfall events, inspect inlet protection devices at least once every 24 hours. Inspect the storm drain inlet or other infrastructure downstream after severe storms in the rainy season to check for bypassed material. Remove all inlet protection devices within thirty days after the site is stabilized, or when the inlet protection is no longer needed. Bring the disturbed area to final grade and smooth and compact it. Appropriately stabilize all bare areas around the inlet. Clean around and inside the storm drain inlet as it must be free of sediment and debris at the time of final inspection.
Responsible Staff:	Contractor

2.7 Establish Perimeter Controls and Sediment Barriers

Silt Fence

BMP Description: Silt fences will be installed along the perimeters of the site and around any soil stockpiles, as noted on the EPSC plans. Silt fences will be installed by excavating a 12-inch-deep trench along the line of proposed installation. Wooden posts supporting the silt fence will be spaced 4 to 6 feet apart and driven securely into the ground; a minimum of 18 to 20 inches deep. The silt fence will be fastened securely to the wooden posts with wire ties spaced every 24 inches at the top, mid section, and bottom of the wooden post. The bottom edge of the silt fence will extend across the bottom of the trench and the trench will be backfilled and compacted to prevent

stormwater and sediment from discharging underneath the silt fence. Where the installation of silt fences is not practical, sediment tubes should be used (see above).	
Installation Schedule:	The silt fences will be installed before construction begins at the site and around topsoil stockpiles once they have been established.
Maintenance and Inspection:	Silt fences will be inspected twice-weekly and immediately after storm events to ensure it is intact and that there are no gaps where the fence meets the ground or tears along the length of the fence. If gaps or tears are found during the inspection, the fabric will be repaired or replaced immediately. Accumulated sediment will be removed from the fence base if it reaches one-third the height of the silt fence and hauled off-site for disposal at the landfill. If accumulated sediment is creating noticeable strain on the fabric and the fence might fail from a sudden storm event, the sediment will be removed more frequently. Before the fence is removed from the project area, the sediment will be removed. The anticipated life span of the silt fence is 6 months and will likely need to be replaced after this period.
Responsible Staff:	Contractor

Temporary Siltation Eels

BMP Description: Siltation eels will be installed where silt fence is not practical. Installation is accomplished by placing siltation eels along the line of proposed installation. Sand bags are then to be placed on top of the siltation eels at 10’ intervals.	
Installation Schedule:	The siltation eels will be installed before construction begins at the site and around topsoil stockpiles once they have been established.
Maintenance and Inspection:	Siltation eels will be inspected twice-weekly and immediately after storm events to ensure it is intact and that there are no tears along the length of the eel. If gaps or tears are found during the inspection, the fabric will be repaired or replaced immediately. Accumulated sediment will be removed from the eel base if it reaches one-third the height of the eel and hauled off-site for disposal at the landfill. If accumulated sediment is creating noticeable strain on the fabric and the eel might fail from a sudden storm event, the sediment will be removed more frequently. Before the eel is removed from the project area, the sediment will be removed. The anticipated life span of the siltation eel is 6-12 months and will likely need to be replaced after this period.
Responsible Staff:	Contractor

2.8 Retain Sediment On-Site

Silt Fence

BMP Description: Silt fences will be installed along the perimeters of the site and around any soil stockpiles, as noted on the EPSC plans. Silt fences will be installed by excavating a 12-inch-deep trench along the line of proposed installation. Wooden posts supporting the silt fence will be spaced 4 to 6 feet apart and driven securely into the ground; a minimum of 18 to 20 inches deep. The silt fence will be fastened securely to the wooden posts with wire ties spaced every 24 inches at the top, mid section, and bottom of the wooden post. The bottom edge of the silt fence will extend across the bottom of the trench and the trench will be backfilled and compacted to prevent stormwater and sediment from discharging underneath the silt fence. Where the installation of silt fences is not practical, sediment tubes should be used (see above).	
Installation Schedule:	The silt fences will be installed before construction begins at the site and around topsoil stockpiles once they have been established.
Maintenance and Inspection:	Silt fences will be inspected twice-weekly and immediately after storm events to ensure it is intact and that there are no gaps where the fence meets the ground or tears along the length of the fence. If gaps or tears are found during the inspection, the fabric will be repaired or replaced immediately. Accumulated sediment will be removed from the fence base if it reaches one-third the height of the silt fence and hauled off-site for disposal at the landfill. If accumulated sediment is creating noticeable strain on the fabric and the fence might fail from a sudden storm event, the sediment will be removed more frequently. Before the fence is removed from the project area, the sediment will be removed. The anticipated life span of the silt fence is 6 months and will likely need to be replaced after this period.
Responsible Staff:	Contractor

Temporary Siltation Eels

BMP Description: Siltation eels will be installed where silt fence is not practical. Installation is accomplished by placing siltation eels along the line of proposed installation. Sand bags are then to be placed on top of the siltation eels at 10’ intervals.	
Installation Schedule:	The siltation eels will be installed before construction begins at the site and around topsoil stockpiles once they

	have been established.
Maintenance and Inspection:	Siltation eels will be inspected twice-weekly and immediately after storm events to ensure it is intact and that there are no tears along the length of the eel. If gaps or tears are found during the inspection, the fabric will be repaired or replaced immediately. Accumulated sediment will be removed from the eel base if it reaches one-third the height of the eel and hauled off-site for disposal at the landfill. If accumulated sediment is creating noticeable strain on the fabric and the eel might fail from a sudden storm event, the sediment will be removed more frequently. Before the eel is removed from the project area, the sediment will be removed. The anticipated life span of the siltation eel is 6-12 months and will likely need to be replaced after this period.
Responsible Staff:	Contractor

2.9 Establish Stabilized Construction Exits

Stabilized Construction Exits

BMP Description: Anti-tracking pads consisting of stone will be installed, as identified on the site map, to prevent the off-site transport of sediment by construction vehicles. The anti-tracking pads will be at least 50 feet long, a minimum of 10 feet wide, flared at the end closest to the paved road, and will consist of a 6-inch-thick layer of crushed stone (2 inches in diameter). The crushed stone will be placed over a layer of geotextile filter fabric to reduce the mitigation of sediment from the underlying soil.	
Installation Schedule:	The stabilized exit will be installed before construction begins on the site. The stone will remain in place until the subgrade of pavement is installed at the site. The anti-tracking pads will be placed on the pavement and will remain until all areas of the site have been stabilized.
Maintenance and Inspection:	The exit will be inspected weekly and after storm events or heavy use. The exit will be maintained in a condition that will prevent tracking or flowing of sediment onto the roadway. This could require adding additional crushed stone to the exit. All sediment tracked, spilled, dropped, or washed onto surrounding roads will be swept up immediately and hauled off-site for disposal at the landfill. Sediment will be swept from the anti-tracking pad at least weekly, or more often if necessary. If excess sediment has clogged the pad, the exit will be topdressed with new crushed stone. Replacement of the entire pad might be necessary when the pad becomes completely filled with sediment. The pad will be reshaped as needed for drainage and runoff control. Broken road

	pavement as a result of construction activities on roadways immediately adjacent to the project site will be repaired immediately. The stone anti-tracking pad will be removed before the subgrade of pavement is applied to the parking lot. The removed stone and sediment from the pad will be hauled off-site and disposed of at the landfill.
Responsible Staff:	Contractor

2.10 Additional BMPs

Street Sweeping

BMP Description: If necessary, street sweeping will be performed on surrounding roads to remove sediments and other contaminants directly from the paved surfaces.	
Installation Schedule:	Street sweeping will occur as necessary and if necessary, before forecasted storm events.
Maintenance and Inspection:	All materials collected during street sweeping will be disposed of at an off-site location by the subcontractor.
Responsible Staff:	Contractor

SECTION 3: GOOD HOUSEKEEPING BMPS

3.1 Material Handling and Waste Management

Waste Materials

BMP Description: All waste materials will be collected and disposed of into trash dumpsters in the materials storage area. Dumpsters will have a secure watertight lid, be placed away from stormwater conveyances and drains, and meet all federal, state, and municipal regulations. Only trash and construction debris from the site will be deposited in the dumpster. No construction materials will be buried on-site. All personnel will be instructed, during tailgate training sessions, regarding the correct disposal of trash and construction debris. Notices that state these practices will be posted in the office trailer and the individual who manages day-to-day site operations will be responsible for seeing that these practices are followed.	
Installation Schedule:	Trash dumpsters will be installed once the materials storage area has been established.
Maintenance and Inspection:	The dumpsters will be inspected weekly and immediately after storm events. The dumpster will be emptied weekly and taken to the landfill. If trash and construction debris are exceeding the dumpster's capacity, the dumpsters will be emptied more frequently.
Responsible Staff:	Contractor

Hazardous Waste Materials

BMP Description: All hazardous waste materials such as oil filters, petroleum products, paint, and equipment maintenance fluids will be stored in structurally sound and sealed shipping containers, within the hazardous materials storage area. Hazardous waste materials will be stored in appropriate and clearly marked containers and segregated from other non-waste materials. Secondary containment will be provided for all waste materials in the hazardous materials storage area and will consist of commercially available spill pallets. Additionally, all hazardous waste materials will be disposed of in accordance with federal, state, and municipal regulations. Hazardous waste materials will not be disposed of into the on-site dumpsters. All personnel will be instructed, during tailgate training sessions, regarding proper procedures for hazardous waste disposal. Notices that state these procedures will be posted in the office trailer and the individual who manages day-to-day site operations will be responsible for seeing that these procedures are followed.	
Installation Schedule:	Shipping containers used to store hazardous waste materials will be installed once the site materials storage area has been installed.
Maintenance and Inspection:	The hazardous waste material storage areas will be inspected weekly and after storm events. The storage areas will be kept clean, well organized, and equipped with ample cleanup supplies

	as appropriate for the materials being stored. Material safety data sheets, material inventory, and emergency contact numbers will be maintained in the office trailer.
Responsible Staff:	Contractor

Recycling

BMP Description: If recycling is used, wood pallets, cardboard boxes, and other recyclable construction scraps will need to be disposed of in a designated dumpster for recycling. The dumpster will have a secure watertight lid, be placed away from stormwater conveyances and drains and meet all local and state solid-waste management regulations. Only solid recyclable construction scraps from the site will be deposited in the dumpster. All personnel will be instructed, during tailgate training sessions, regarding the correct procedure for disposal of recyclable construction scraps. Notices that state these procedures will be posted in the office trailer, and the individual who manages day-to-day site operations will be responsible for seeing that these procedures are followed.	
Installation Schedule:	If used, designated recycling dumpsters will be installed once the combined staging area has been established.
Maintenance and Inspection:	The recycling dumpster will be inspected weekly and immediately after storm events. The recycling dumpster will be emptied weekly and taken to an approved recycling center by Ways Waste and Sanitary Services. If recyclable construction wastes are exceeding the dumpster's capacity, the dumpsters will be emptied more frequently.
Responsible Staff:	Contractor

3.2 Establish Proper Building Material Staging Areas

Materials Storage Area

BMP Description: Construction equipment and maintenance materials will be stored at the combined staging area and materials storage areas. Gravel bag berms will be installed around the perimeter to designate the staging and materials storage area. A watertight shipping container will be used to store hand tools, small parts, and other construction materials.

Nonhazardous building materials such as packaging material (wood, plastic, and glass), and construction scrap material (brick, wood, steel, metal scraps, and pipe cuttings) will be stored in a separate covered storage facility adjacent to the shipping container. All hazardous-waste materials such as oil filters, petroleum products, plaint, and equipment maintenance fluids will be stored in structurally sound and sealed containers under cover within the hazardous materials storage area.

Very large items, such as framing materials and stockpiled lumber, will be stored in the open in the materials storage area. Such materials will be elevated on wood blocks to minimize contact

with runoff.	
Installation Schedule:	The materials storage area will be installed after grading and before any infrastructure is constructed at the site.
Maintenance and Inspection:	The storage area will be inspected weekly and after storm events. The storage area will be kept clean, well organized, and equipped with ample cleanup supplies as appropriate for the materials being stored. Perimeter controls, containment structures, covers, and liners will be repaired or replaced as needed to maintain proper function.
Responsible Staff:	Contractor

3.3 Designate Washout Areas

Concrete Washout

BMP Description: A designated temporary, above-grade concrete washout area will be constructed. The temporary concrete washout area will be constructed as shown in Figure 5, with a recommended minimum length and minimum width of 10 feet, but with sufficient quantity and volume to contain all liquid and concrete waste generated by washout operations. The washout area will be lined with plastic sheeting at least 10 mils thick and free of any holes or tears. Signs will be posted marking the location of the washout area to ensure that the concrete equipment operators use the proper facility.

Concrete pours will be conducted during or before an anticipated storm event. Concrete mixer trucks and chutes will be washed in the designated area or concrete wastes will be properly disposed of off-site. When the temporary washout area is no longer needed for the construction project, the hardened concrete and materials used to construct the area will be removed and disposed of according to the maintenance section below, and the area will be stabilized.

Installation Schedule:	The washout area will be constructed before concrete pours occur at the site.
Maintenance and Inspection:	The washout areas will be inspected daily to ensure that all concrete washing is being discharged into the washout area, no leaks or tears are present, and to identify when concrete wastes need to be removed. The washout areas will be cleaned out once the area is filled to 75 percent of the holding capacity. Once the area's holding capacity has been reached, the concrete wastes will be allowed to harden; the concrete will be broken up, removed, and taken to the landfill for disposal. The plastic sheeting will be replaced if tears occur during removal of concrete wastes from the washout area.
Responsible Staff:	Contractor

3.4 Establish Proper Equipment/Vehicle Fueling and Maintenance Practices

Vehicle/Equipment Fueling and Maintenance

BMP Description: Several types of vehicles and equipment will be used on-site throughout the project, including graders, scrapers, excavators, loaders, paving equipment, rollers, trucks and trailers, backhoes, and forklifts. All major equipment/vehicle fueling and maintenance will be performed off-site. If vehicle fueling must occur on-site, the fueling activity will occur in the staging area. Only minor equipment maintenance will occur on-site. All equipment fluids generated from maintenance activities will be disposed of into designated drums stored on spill pallets in accordance with Part 3.1. Absorbent, spill-cleanup materials and spill kits will be available at the combined staging and materials storage area. Drip pans will be placed under all equipment receiving maintenance and vehicles and equipment parked overnight.	
Installation Schedule:	BMPs implemented for equipment and vehicle maintenance and fueling activities will begin at the start of the project.
Maintenance and Inspection:	Inspect equipment/vehicle storage areas and fuel tank weekly and after storm events. Vehicles and equipment will be inspected on each day of use. Leaks will be repaired immediately, or the problem vehicle(s) or equipment will be removed from the project site. Keep ample supply of spill-cleanup materials on-site and immediately clean up spills and dispose of materials properly.
Responsible Staff:	Contractor

3.5 Control Equipment/Vehicle Washing

BMP Description: All equipment and vehicle washing will be performed off-site.	
Installation Schedule:	N/A
Maintenance and Inspection:	N/A
Responsible Staff:	Contractor

3.6 Spill Prevention and Control Plan

Spill Prevention and Control Procedures

BMP Description:

- Employee Training: All employees will be trained via biweekly tailgate sessions, as detailed in Section 6, Part 6.3.
- Vehicle Maintenance: Vehicles and equipment will be maintained off-site. All vehicles and equipment including subcontractor vehicles will be checked for leaking oil and fluids. Vehicles leaking fluids will not be allowed on-site. Drip pans will be placed under all vehicles and equipment that are parked overnight.
- Hazardous Material Storage: Hazardous materials will be stored in accordance with Section 3, Part 1 and federal and municipal regulations.
- Spill Kits: Spill kits will be within the materials storage area and concrete washout areas.
- Spills: All spills will be cleaned up immediately upon discovery. Spent absorbent materials and rags will be hauled off-site immediately after the spill is cleaned up for disposal at the landfill. Spills large enough to discharge to surface water will be reported to the National Response Center at 1-800-424-8802.
- Material safety data sheets, a material inventory, and emergency contact information will be maintained at the on-site project trailer.

Installation Schedule:	The spill prevention and control procedures will be implemented once construction begins on-site.
Maintenance and Inspection:	All personnel will be instructed, during tailgate training sessions, regarding the correct procedures for spill prevention and control. Notices that state these practices will be posted in the office trailer, and the individual who manages day-to-day site operations will be responsible for seeing that these procedures are followed.
Responsible Staff:	Contractor

3.7 Any Additional BMPs

BMP Description: No Additional BMPs were identified.	
Installation Schedule:	N/A
Maintenance and Inspection:	N/A
Responsible Staff:	Contractor

3.8 Allowable Non-Stormwater Discharge Management

If any changes in construction activities that produce other allowable non-stormwater discharges are identified, the SWPPP will be amended and the appropriate erosion and sediment control will be implemented.

Water Used to Control Dust

BMP Description: Dust control will be implemented as needed once site grading has begun and during windy conditions (forecasted or actual wind conditions of 20 mph or greater) while site grading is occurring. Spraying of potable water at a rate of 300 gallons per acre or less will be performed by a mobile pressure-type distributor truck no more than three times a day during the months of May–September and once per day during the months of October–April or whenever the dryness of the soil warrants it.
Responsible Staff: Contractor

Landscape Irrigation

BMP Description: Irrigation waters will not be sprayed onto impermeable surfaces such as paved driveways and roads. Waters will be directed onto soil and lawns by using hoses and correctly sized sprinklers with adjustable spray patterns. To avoid discharges of irrigation waters, the sprinklers will have low-flow rates and increased watering time. The irrigated area will be inspected for excess watering and to adjust watering times and schedules.
Responsible Staff: Contractor

SECTION 4: SELECTING POST-CONSTRUCTION BMPs

Mulching and Seeding

All areas disturbed by construction shall be stabilized with mulching and seeding immediately following finish grading. Seeded areas will be fertilized and mulched.

SECTION 5: INSPECTIONS / SITE ASSESSMENT

5.1 Inspections

1. Inspection Personnel:

Contractor's Designated Inspector: _____

Years of Experience: _____

Education: _____

_____

Training: _____

_____

_____

2. Inspection Personnel Qualifications:

Inspectors performing the required twice weekly inspections must have an active certification by completing the "Fundamentals of Erosion Prevention and Sediment Control Level I" course. A copy of the certification or training record for inspector certification should be kept on site.

3. Inspection Schedule and Procedures:

a) Inspections described in paragraphs b, c and d below, shall be performed at least twice every calendar week. Inspections shall be performed at least 72 hours apart. Where sites or portion(s) of construction sites have been temporarily stabilized, or runoff is unlikely due to winter conditions (e.g., site covered with snow or ice) or due to extreme drought, such inspection only has to be conducted once per month until thawing or precipitation results in runoff or construction activity resumes. Inspection requirements do not apply to definable areas that have been finally stabilized. Written notification of the intent to change the inspection frequency and the justification for such request must be submitted to the local Environmental Field Office, or the division's Nashville Central Office for projects of the Tennessee Department of Transportation (TDOT) and the Tennessee Valley Authority (TVA). Should TDEC discover that monthly inspections of the site are not appropriate due to insufficient stabilization measures or otherwise, twice weekly inspections shall resume. TDEC may inspect the site to confirm or deny the notification to conduct monthly inspections.

b) Qualified personnel, as defined above (provided by the permittee or cooperatively by multiple permittees) shall inspect disturbed areas of the construction site that have not been finally

stabilized, areas used for storage of materials that are exposed to precipitation, structural control measures, locations where vehicles enter or exit the site, and each outfall.

c) Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the site's drainage system. Erosion prevention and sediment control measures shall be observed to ensure that they are operating correctly.

d) Outfall points (where discharges leave the site and/or enter waters of the state) shall be inspected to determine whether erosion prevention and sediment control measures are effective in preventing significant impacts to receiving waters. Where discharge locations are inaccessible, nearby downstream locations shall be inspected. Locations where vehicles enter or exit the site shall be inspected for evidence of offsite sediment tracking.

e) Based on the results of the inspection, any inadequate control measures or control measures in disrepair shall be replaced or modified, or repaired as necessary, before the next rain event, but in no case more than 7 days after the need is identified.

f) Based on the results of the inspection, the site description and pollution prevention measures identified in this SWPPP shall be revised as appropriate, but in no case later than 7 days following the inspection. Such modifications shall provide for timely implementation of any changes to the SWPPP, but in no case later than 14 days following the inspection.

g) All inspections shall be documented on the Construction Stormwater Inspection Certification form provided in Appendix D of this SWPPP for all construction sites. Inspection documentation will be maintained on site and made available to TDEC upon request. Inspection reports must be submitted to TDEC within 10 days of the request. If TDEC requests the Construction Stormwater Inspection Certification form to be submitted, the submitted form must contain the printed name and signature of the trained certified inspector and the person who meets the signatory requirements of section 7.7.2 of the NPDES General Permit.

h) Trained certified inspectors shall complete inspection documentation to the best of their ability. Falsifying inspection records or other documentation or failure to complete inspection documentation shall result in a violation of this permit and any other applicable acts or rules.

i) Subsequent operator(s) (primary permittees) who have obtained coverage under the NPDES General Permit should conduct twice weekly inspections, unless their portion(s) of the site has been temporarily stabilized, or runoff is unlikely due to winter conditions or due to extreme drought as stated in paragraph a) above. The primary permittee (such as a developer) is no longer required to conduct inspections of portions of the site that are covered by a subsequent primary permittee (such as a home builder).

For a copy of the inspection report, see Appendix D of this SWPPP.

5.2 Site Assessment

1. Site Assessment Personnel:

Contractor's Designated Inspector: _____

Years of Experience: _____

Education: _____

_____

Training: _____

_____

_____

2. Site Assessment Personnel Qualifications:

The site assessment shall be performed by individuals with the following qualifications:

- a licensed professional engineer or landscape architect;
- a Certified Professional in Erosion and Sediment Control (CPESC) or
- a person that successfully completed the "Level II Design Principles for Erosion Prevention and Sediment Control for Construction Sites" course.

3. Site Assessment Schedule and Procedures:

Quality assurance of erosion prevention and sediment controls shall be done by performing site assessment at a construction site. The site assessment shall be conducted at each outfall involving drainage totaling 10 or more acres or 5 or more acres if draining to an impaired or exceptional quality waters, within a month of construction commencing at each portion of the site that drains the qualifying acreage of such portion of the site.

As a minimum, site assessment should be performed to verify the installation, functionality and performance of the EPSC measures described in the SWPPP. The site assessment should be performed with the inspector, and should include a review and update (if applicable) of the SWPPP. Modifications of plans and specifications for any building or structure, including the design of sediment basins or other sediment controls involving structural, hydraulic, hydrologic or other engineering calculations shall be prepared by a licensed professional engineer or landscape architect and stamped and certified in accordance with the Tennessee Code Annotated, Title 62, Chapter 2 and the rules of the Tennessee Board of Architectural and Engineering Examiners.

The site assessment findings shall be documented and the documentation kept with the SWPPP at the site. At a minimum, the documentation shall include information included in the inspection form provided in Appendix D of this SWPPP. The documentation must contain the printed name and signature of the individual performing the site assessment and the following certification:

"I certify under penalty of law that this report and all attachments are, 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."

The site assessment can take the place of one of the twice weekly inspections requirement.

TDEC may require additional site assessment(s) to be performed if site inspection by TDEC's personnel reveals site conditions that have potential of causing pollution to the waters of the state.

For a copy of the inspection report, see Appendix D of this SWPPP.

5.3 Delegation of Authority

Duly Authorized Representative(s) or Position(s):

Contractor: _____

Name: _____

Position Title: Erosion Control Specialist

Address: _____

City, State, Zip: _____

Number: _____

Fax: _____

Email: _____

See Appendix J – Delegation of Authority

5.4 Corrective Action Log

Corrective Action Log:

See Appendix E – Corrective Action Log

SECTION 6: RECORDKEEPING AND TRAINING

6.1 Recordkeeping

Records will be retained for a minimum period of at least 3 years after the permit is terminated.

Date(s) when major grading activities occur:

See Appendix H – Grading and Stabilization Activities Log

Date(s) when construction activities temporarily or permanently cease on a portion of the site:

See Appendix H – Grading and Stabilization Activities Log

Date(s) when an area is either temporarily or permanently stabilized:

See Appendix H – Grading and Stabilization Activities Log

6.2 Log of Changes to the SWPPP

Log of changes and updates to the SWPPP

See Appendix F – SWPPP Amendment Log

6.3 Training

Individual(s) Responsible for Training:

Name:

_____

Training Sessions:

- General stormwater and BMP awareness training for staff and subcontractors:

The erosion control specialist will conduct informal training for all staff, including subcontractors, on the site. The training will be conducted primarily via tailgate sessions and will focus on avoiding damage to stormwater BMPs and preventing illicit discharges. The tailgate sessions will be conducted biweekly and will address the following topics: Erosion Control BMPs, Sediment Control BMPs, Non-Stormwater BMPs, Waste

Management and Materials Storage BMPs, and Emergency Procedures specific to the construction site. (See Appendix I – SWPPP Training Log)

- Detailed training for staff and subcontractors with specific stormwater responsibilities:

The erosion control specialist will provide formal training to all staff and subcontractors with specific stormwater responsibilities, such as installing and maintaining BMPs. The formal training will cover all design and construction specifications for installing the BMPs and proper procedures for maintaining each BMP. Formal training will occur before any BMPs are installed on the site. (See Appendix I – SWPPP Training Log)

SECTION 7: FINAL STABILIZATION

Mulching and Seeding

All areas disturbed by construction shall be stabilized with mulching and seeding immediately following finish grading. Seeded areas will be fertilized and mulched.

SECTION 8: CERTIFICATION AND NOTIFICATION

Owner:

I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information 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. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

Name: Will Marsh Title: Principal

Signature: _____ Date: _____

Contractor:

I certify under penalty of law that I have reviewed this document, any attachments and the SWPPP reference above. Based on my inquiry of the construction site owner/developer identified above and/or my inquiry of the person directly responsible for assembling this NOI and SWPPP, I believe the information submitted is accurate. I am aware that this NOI, if approved, makes the above-described construction activity subject to NPDES permit number TNR100000, and that certain of my activities on-site are thereby regulated. I am aware that there are significant penalties, including the possibility of fine and imprisonment for knowing violations and for failure to comply with these permit requirements.

Name: _____ Title: _____

Signature: _____ Date: _____

Designer:

I certify that, to the best of my knowledge and belief, EPSC measures used at the site are designed to control storm runoff generated by a 2-year, 24-hour storm event.

Name: Andrew Wiseman Title: Principal, Project Manager

Signature: _____ Date: 5/14/2021

SWPPP APPENDICES

Attach the following documentation to the SWPPP:

Appendix A – General Location Map

Appendix B – Site Maps

Appendix C – NOI and NOC

Appendix D – Inspection Reports

Appendix E – Corrective Action Log

Appendix F – SWPPP Amendment Log

Appendix G – Subcontractor Certifications/Agreements

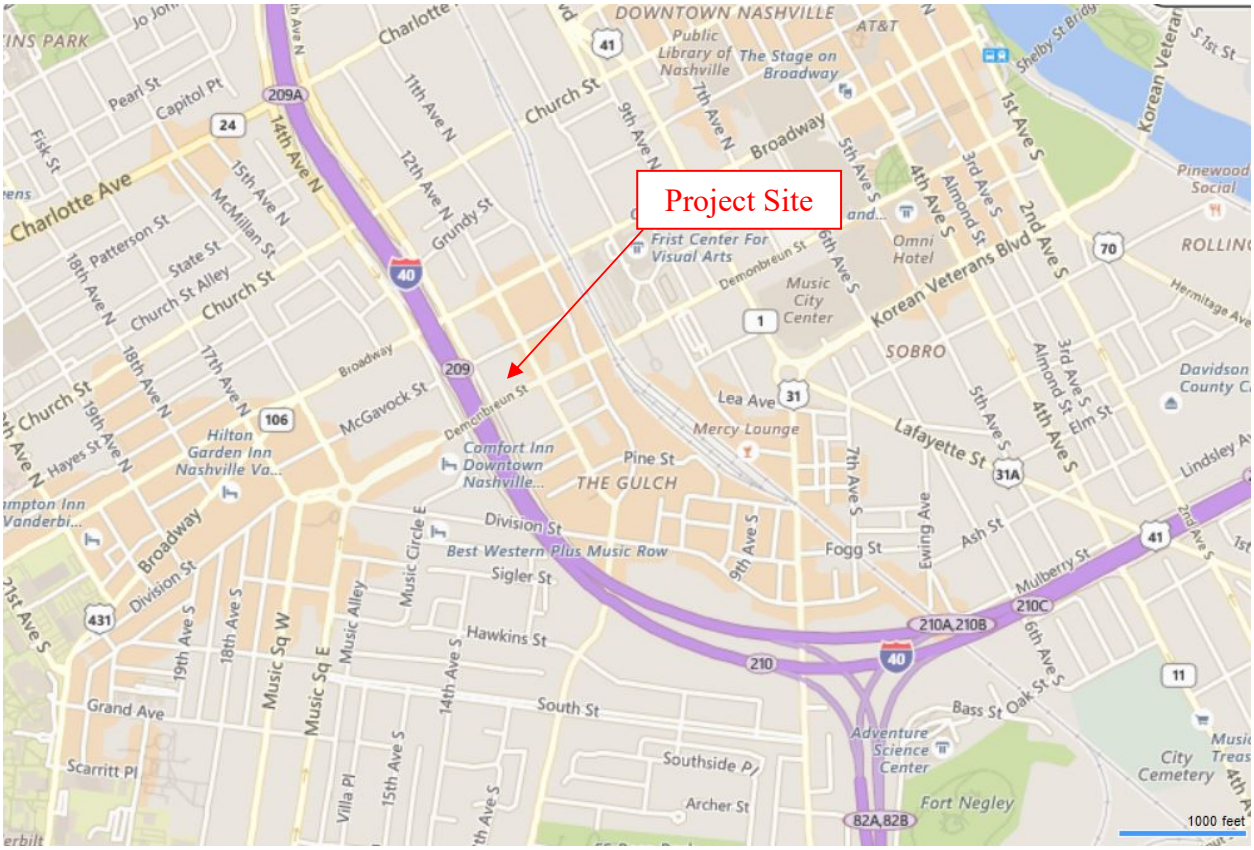
Appendix H – Grading and Stabilization Activities Log

Appendix I – Training Log

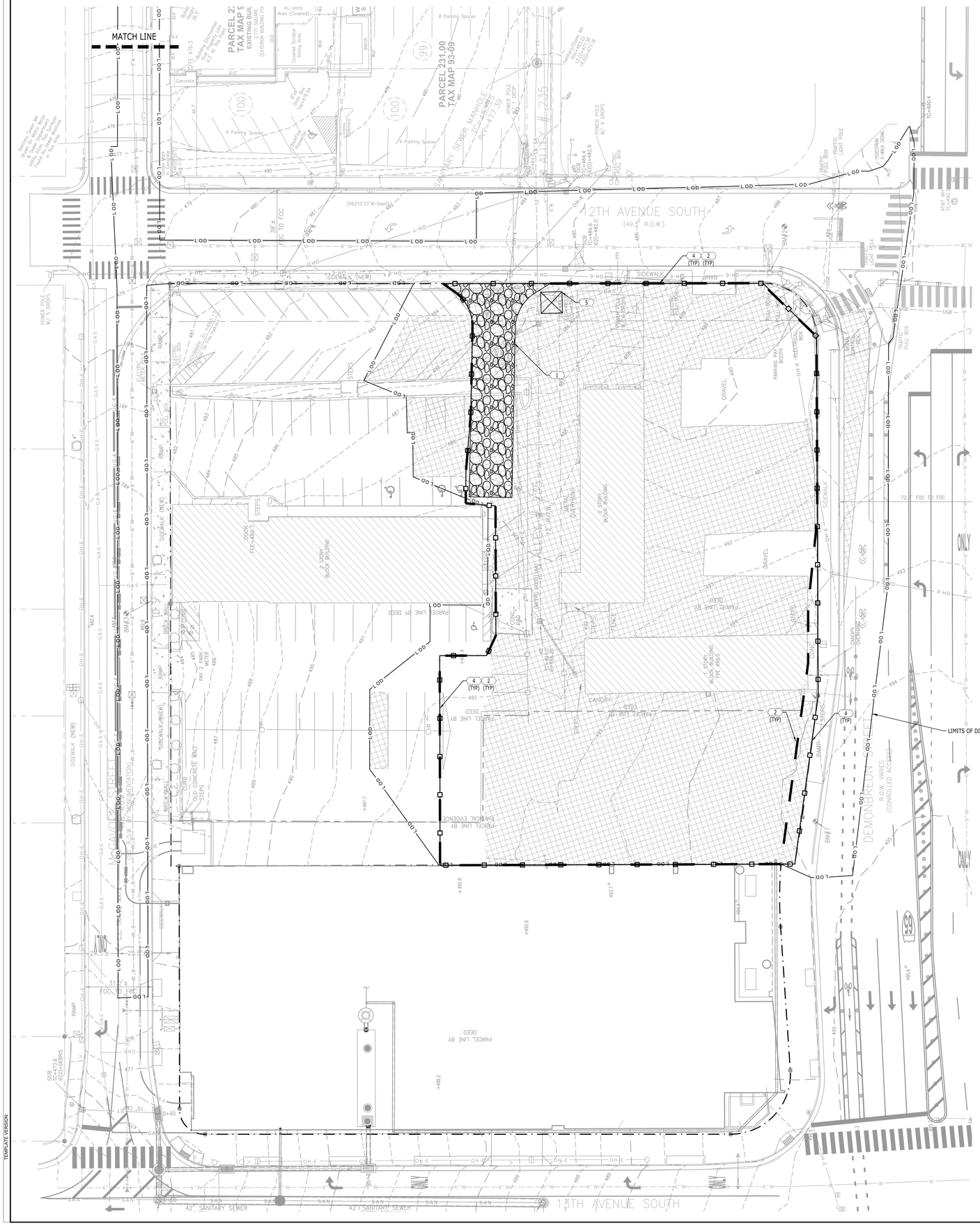
Appendix J – Delegation of Authority

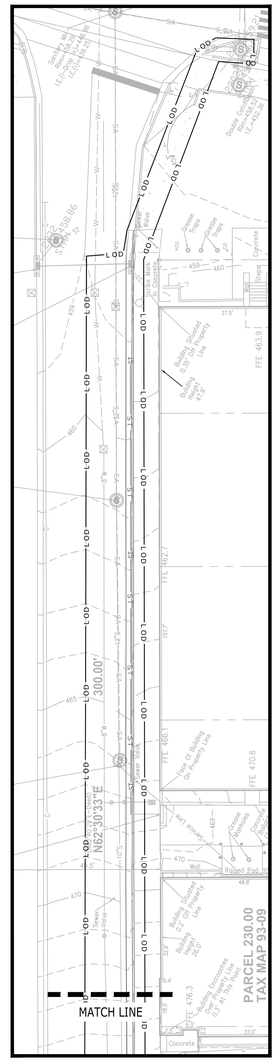
Appendix K – Notice of Termination

Appendix A – General Location Map



Appendix B – Site Maps





EROSION CONTROL KEYNOTES

CODE	DESCRIPTION	DET #/SHT #
1	TEMPORARY CONSTRUCTION ENTRANCE	1 / C3.3
2	SEDIMENT TUBES	2 / C3.3
3	INLET PROTECTION	3 / C3.3
4	CONSTRUCTION FENCE	4 / C3.3
5	CONCRETE WASH-OUT	-
6	DEWATERING PIT	5 / C3.3

NOTE:
CONTRACTOR TO PROVIDE AN AREA FOR CONCRETE WASH DOWN AND EQUIPMENT FUELING IN ACCORDANCE WITH METRO CP-10 AND CP-13, RESPECTIVELY. CONTRACTOR TO COORDINATE EXACT LOCATION WITH NPDES DEPARTMENT DURING PRE-CONSTRUCTION MEETING. CONTROL OF OTHER SITE WASTES SUCH AS DISCARDED BUILDING MATERIALS, CHEMICALS, LITTER, AND SANITARY WASTES THAT MAY CAUSE ADVERSE IMPACTS TO WATER QUALITY IS ALSO REQUIRED BY THE GRADING PERMITTEE.

SITE DESCRIPTION AND NOTES:

THE SITE IS LOCATED ON TAX MAP 93-09, PARCEL E00200CO IN NASHVILLE, DAVIDSON COUNTY, TENNESSEE. CONSTRUCTION ACTIVITY ON THIS SITE WILL CONSIST OF DISTURBING APPROXIMATELY 1.93± ACRES TO CONSTRUCT 20 STORY OFFICE TOWER AND MIXED USE FACILITY.

1. APPROXIMATE CONSTRUCTION TIME TABLE:
   BEGIN CONSTRUCTION - [AUGUST 2021]
   COMPLETE CONSTRUCTION - [JULY 2023]
2. CONSTRUCTION SEQUENCE:
   A. ATTEND METRO WATER SERVICES PRE-CONSTRUCTION MEETING.
   B. INSTALL CONSTRUCTION ENTRANCE AND SILT FENCE
   C. CONTACT METRO WATER SERVICES - EROSION CONTROL INSPECTOR FOR INSPECTION OF EROSION CONTROL DEVICES TO OBTAIN GRADING PERMIT.
   D. CLEAR AND GRUB THE REMAINING SITE.
   E. CONSTRUCT REMAINING SITE ACCORDING TO APPROVED PLANS, INCLUDING ALL ADDITIONAL EROSION CONTROL DEVICES.
   F. UPON PERMANENT SITE STABILIZATION SEED AND STRAW.
   G. REMOVE ALL OTHER EROSION TEMPORARY CONTROL DEVICES PRIOR TO AS-BUILT APPROVALS.
3. TOTAL PROJECT AREA = 1.88± AC.
   DISTURBED AREA =1.93± AC.

EROSION CONTROL NOTES:

1. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATION BEGINS AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY BUT MUST BE REPLACED AT THE END OF THE WORKDAY.
2. THE FOLLOWING RECORDS SHALL BE MAINTAINED ON OR NEAR SITE: THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR; THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; THE DATES WHEN STABILIZATION MEASURES ARE INITIATED; INSPECTION RECORDS AND RAINFALL RECORDS.
3. THE CONTRACTOR SHALL MAINTAIN A RAIN GAUGE AND DAILY RAINFALL RECORDS AT THE SITE OR USE A REFERENCE SITE FOR A RECORD OF DAILY AMOUNT OF PRECIPITATION.
4. PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 10 DAYS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA IS SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.
5. CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED AREAS.
6. SEDIMENT SHOULD BE REMOVED FROM SEDIMENT TRAPS, SILT FENCES, SEDIMENTATION PONDS AND OTHER SEDIMENT CONTROLS AS NECESSARY AND MUST BE REMOVED WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50% OR AS DIRECTED BY OWNERS REPRESENTATIVE.
7. THE CONTRACTOR SHALL REMOVE SEDIMENT FROM ALL DRAINAGE STRUCTURES BEFORE ACCEPTANCE BY LOCAL GOVERNING AGENCY OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
8. THE CONTRACTOR SHALL REMOVE THE TEMPORARY EROSION AND WATER POLLUTION CONTROL DEVICES ONLY AFTER A SOLID STAND OF GRASS HAS BEEN ESTABLISHED ON GRADED AREAS AND WHEN IN THE OPINION OF THE OWNER'S REPRESENTATIVE, THEY ARE NO LONGER NEEDED.

EROSION CONTROL LEGEND

- INLET PROTECTION
- SEDIMENT TUBES
- LOD — LIMIT OF DISTURBANCE
- CONSTRUCTION FENCE

METRO NOTES:

"AS THE DESIGN ENGINEER RESPONSIBLE FOR THE DEVELOPMENT OF THESE PLANS, I HEREBY CERTIFY THAT THIS PROJECT, WHICH SHALL DISTURB ONE (1) OR MORE ACRES, HAS BEEN GRANTED COVERAGE UNDER THE TENNESSEE GENERAL STORM WATER PERMIT ADDRESSING CONSTRUCTION SITE RUNOFF ACTIVITIES BY THE TENNESSEE DIVISION OF WATER POLLUTION CONTROL." (TNR# 242493)

Andrew Wiseman — 04/30/2021
TN REGISTERED ENGINEER — DATE

I, ANDREW WISEMAN, A REGISTERED EROSION CONTROL SPECIALIST HAVE REVIEWED THE PLAN FOR SUFFICIENT ONSITE TEMPORARY EROSION AND SEDIMENT CONTROL PROVISIONS.

Andrew Wiseman — 04/30/2021
EROSION CONTROL SPECIALIST — DATE

NOTE:
THE SUBJECT PROPERTY DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD ZONE ACCORDING TO COMMUNITY PANEL NO. 47037C0243 H DATED APRIL 05, 2017 OF THE F.E.M.A. FLOOD INSURANCE RATE MAPS FOR COMMUNITY NAME: NASHVILLE AND DAVIDSON CO. METRO GOVERNMENT, A NON-PRINTED PANEL.

0 10 20 40 60
GRAPHIC SCALE

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

SWGR # 2021021186

Catalyst DESIGN GROUP
5100 TENNESSEE AVE. NASHVILLE, TN 37209
(615) 622-7200 | WWW.CATALYST-DG.COM

HKS

ARCHITECT
HKS, INC.
350 N SAINT PAUL ST. SUITE 100
DALLAS, TX 75201- 4240

STRUCTURAL ENGINEER
BROCKETTE DAVIS DRAKE
2600 VIA FORTUNA DRIVE, SUITE 320
AUSTIN, TX 78746

MEP
BLUM CONSULTING ENGINEERS
8144 WALNUT HILL LANE, SUITE 200
DALLAS, TX 75231

OWNER'S CIVIL ENGINEER
CATALYST DESIGN GROUP
5100 TENNESSEE AVENUE
NASHVILLE, TN 37209

LANDSCAPE ARCHITECT
HAWKINS PARTNERS, INC.
1900 CHURCH STREET
NASHVILLE, TN 37203

OWNER'S INTERIOR DESIGN
MARK ZEFF
20 JOHN STREET
BROOKLYN, NY 11201

OWNER'S INTERIOR DESIGN
CASELLA INTERIORS
1500 4TH AVE 4 N #103
NASHVILLE, TN

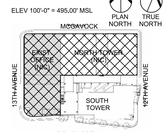
GULCH UNION SOUTH TOWER

OWNER
ENDEAVOR REAL ESTATE GROUP
500 WEST 5TH ST., SUITE 700
AUSTIN, TX 78701

OWNER'S CONST. MANAGER
A.R. COLEMAN CORP.
130 PROMINENCE POINT PKWY, SUITE 130-204
CANTON, GEORGIA 30114

ANDREW WISEMAN — REGISTERED ENGINEER — STATE OF TENNESSEE — 04/30/2021

KEY PLAN



ELEV 100'-0" = 495.00' MSL

REVISION

HKS PROJECT NUMBER
22385.100

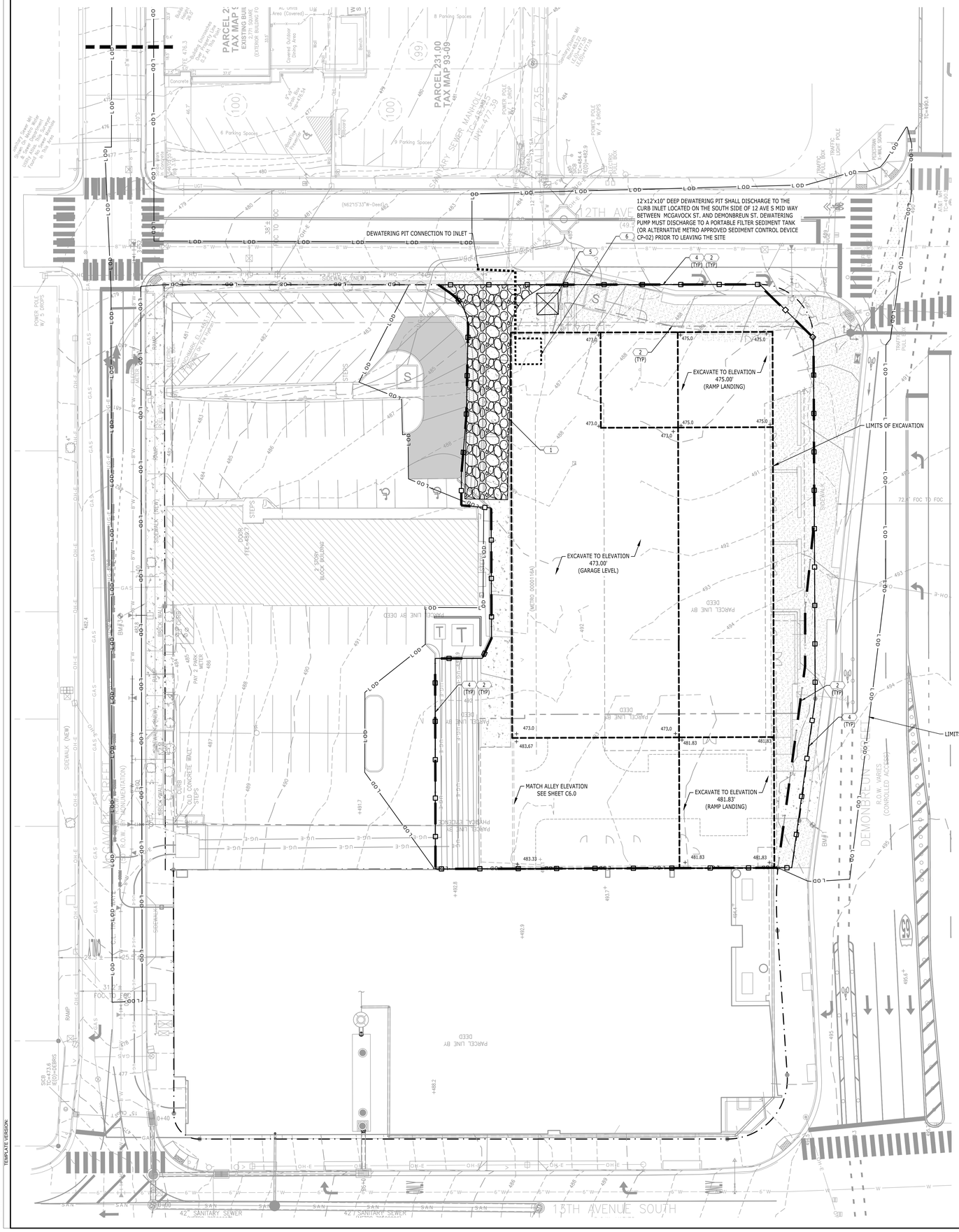
DATE
04/30/2021

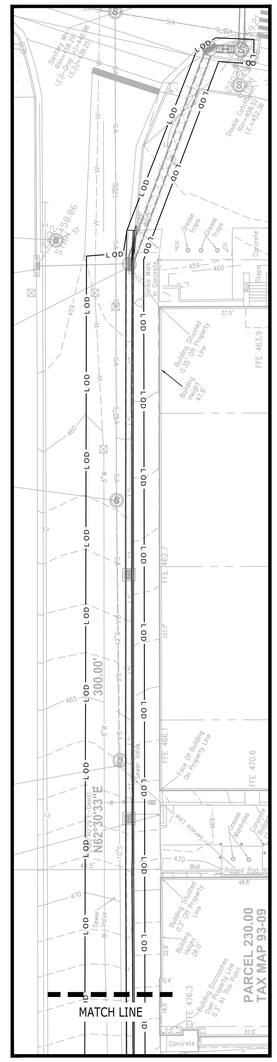
ISSUE
GRADING PLANS

SHEET TITLE
INITIAL EROSION CONTROL PLAN

SHEET NO.
C3.0

PLOT DATE:
TEMPLATE VERSION:





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CONTRACTOR TO PROVIDE AN AREA FOR CONCRETE WASH DOWN AND EQUIPMENT FUELING IN ACCORDANCE WITH METRO CP-10 AND CP-13, RESPECTIVELY. CONTRACTOR TO COORDINATE EXACT LOCATION WITH NPDES DEPARTMENT DURING PRE-CONSTRUCTION MEETING. CONTROL OF OTHER SITE WASTES SUCH AS DISCARDED BUILDING MATERIALS, CHEMICALS, LITTER, AND SANITARY WASTES THAT MAY CAUSE ADVERSE IMPACTS TO WATER QUALITY IS ALSO REQUIRED BY THE GRADING PERMITTEE.

SITE DESCRIPTION AND NOTES:

THE SITE IS LOCATED ON TAX MAP 93-09, PARCEL E00200CO IN NASHVILLE, DAVIDSON COUNTY, TENNESSEE. CONSTRUCTION ACTIVITY ON THIS SITE WILL CONSIST OF DISTURBING APPROXIMATELY 1.93± ACRES TO CONSTRUCT 20 STORY OFFICE TOWER AND MIXED USE FACILITY

1. APPROXIMATE CONSTRUCTION TIME TABLE:
   BEGIN CONSTRUCTION - [AUGUST 2021
   COMPLETE CONSTRUCTION - [JULY 2023]
2. CONSTRUCTION SEQUENCE:
   A. ATTEND METRO WATER SERVICES PRE-CONSTRUCTION MEETING.
   B. INSTALL CONSTRUCTION ENTRANCE AND SILT FENCE
   C. CONTACT METRO WATER SERVICES - EROSION CONTROL INSPECTOR FOR INSPECTION OF EROSION CONTROL DEVICES TO OBTAIN GRADING PERMIT.
   D. CLEAR AND GRUB THE REMAINING SITE.
   E. CONSTRUCT REMAINING SITE ACCORDING TO APPROVED PLANS, INCLUDING ALL ADDITIONAL EROSION CONTROL DEVICES.
   F. UPON PERMANENT SITE STABILIZATION SEED AND STRAW.
   G. REMOVE ALL OTHER EROSION TEMPORARY CONTROL DEVICES PRIOR TO AS-BUILT APPROVALS.
3. TOTAL PROJECT AREA = 1.88± AC.
   DISTURBED AREA =1.93± AC.

EROSION CONTROL NOTES:

1. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATION BEGINS AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY BUT MUST BE REPLACED AT THE END OF THE WORKDAY.
2. THE FOLLOWING RECORDS SHALL BE MAINTAINED ON OR NEAR SITE: THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR; THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; THE DATES WHEN STABILIZATION MEASURES ARE INITIATED; INSPECTION RECORDS AND RAINFALL RECORDS.
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5. CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED AREAS.
6. SEDIMENT SHOULD BE REMOVED FROM SEDIMENT TRAPS, SILT FENCES, SEDIMENTATION PONDS AND OTHER SEDIMENT CONTROLS AS NECESSARY AND MUST BE REMOVED WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50% OR AS DIRECTED BY OWNERS REPRESENTATIVE.
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EROSION CONTROL LEGEND

- INLET PROTECTION
- SEDIMENT TUBES
- LOD — LIMIT OF DISTURBANCE
- CONSTRUCTION FENCE

METRO NOTES:

"AS THE DESIGN ENGINEER RESPONSIBLE FOR THE DEVELOPMENT OF THESE PLANS, I HEREBY CERTIFY THAT THIS PROJECT, WHICH SHALL DISTURB ONE (1) OR MORE ACRES, HAS BEEN GRANTED COVERAGE UNDER THE TENNESSEE GENERAL STORM WATER PERMIT ADDRESSING CONSTRUCTION SITE RUNOFF ACTIVITIES BY THE TENNESSEE DIVISION OF WATER POLLUTION CONTROL." (TNR# 242493)

Andrew Wiseman — 04/30/2021
TN REGISTERED ENGINEER — DATE

I, ANDREW WISEMAN, A REGISTERED EROSION CONTROL SPECIALIST HAVE REVIEWED THE PLAN FOR SUFFICIENT ONSITE TEMPORARY EROSION AND SEDIMENT CONTROL PROVISIONS.

Andrew Wiseman — 04/30/2021
EROSION CONTROL SPECIALIST — DATE

NOTE:
THE SUBJECT PROPERTY DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD ZONE ACCORDING TO COMMUNITY PANEL NO. 47037C0244 H DATED APRIL 05, 2017 OF THE F.E.M.A. FLOOD INSURANCE RATE MAPS FOR COMMUNITY NAME: NASHVILLE AND DAVIDSON CO. METRO GOVERNMENT, A NON-PRINTED PANEL.

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TEMPLATE VERSION:
PLOT DATE:

HKS

ARCHITECT
HKS, INC.
350 N SAINT PAUL ST. SUITE 100
DALLAS, TX 75201- 4240

STRUCTURAL ENGINEER
BROCKETTE DAVIS DRAKE
2600 VIA FORTUNA DRIVE, SUITE 320
AUSTIN, TX 78746

MEP
BLUM CONSULTING ENGINEERS
8144 WALNUT HILL LANE, SUITE 200
DALLAS, TX 75231

OWNER'S CIVIL ENGINEER
CATALYST DESIGN GROUP
5100 TENNESSEE AVENUE
NASHVILLE, TN 37209

LANDSCAPE ARCHITECT
HAWKINS PARTNERS, INC.
1900 CHURCH STREET
NASHVILLE, TN 37203

OWNER'S INTERIOR DESIGN
MARK ZEFF
20 JOHN STREET
BROOKLYN, NY 11201

OWNER'S INTERIOR DESIGN
CASELLA INTERIORS
1500 4TH AVE 4 N #103
NASHVILLE, TN

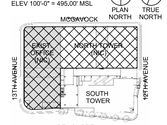
GULCH UNION SOUTH TOWER

OWNER
ENDEAVOR REAL ESTATE GROUP
500 WEST 5TH ST., SUITE 700
AUSTIN, TX 78701

OWNER'S CONST. MANAGER
A.R. COLEMAN CORP.
130 PROMINENCE POINT PKWY, SUITE 130-204
CANTON, GEORGIA 30114

ANDREW WISEMAN — REGISTERED ENGINEER — No. 119579 — STATE OF TENNESSEE — 04/30/2021

KEY PLAN



ELEV 100'-0" = 495.00' MSL

REVISION

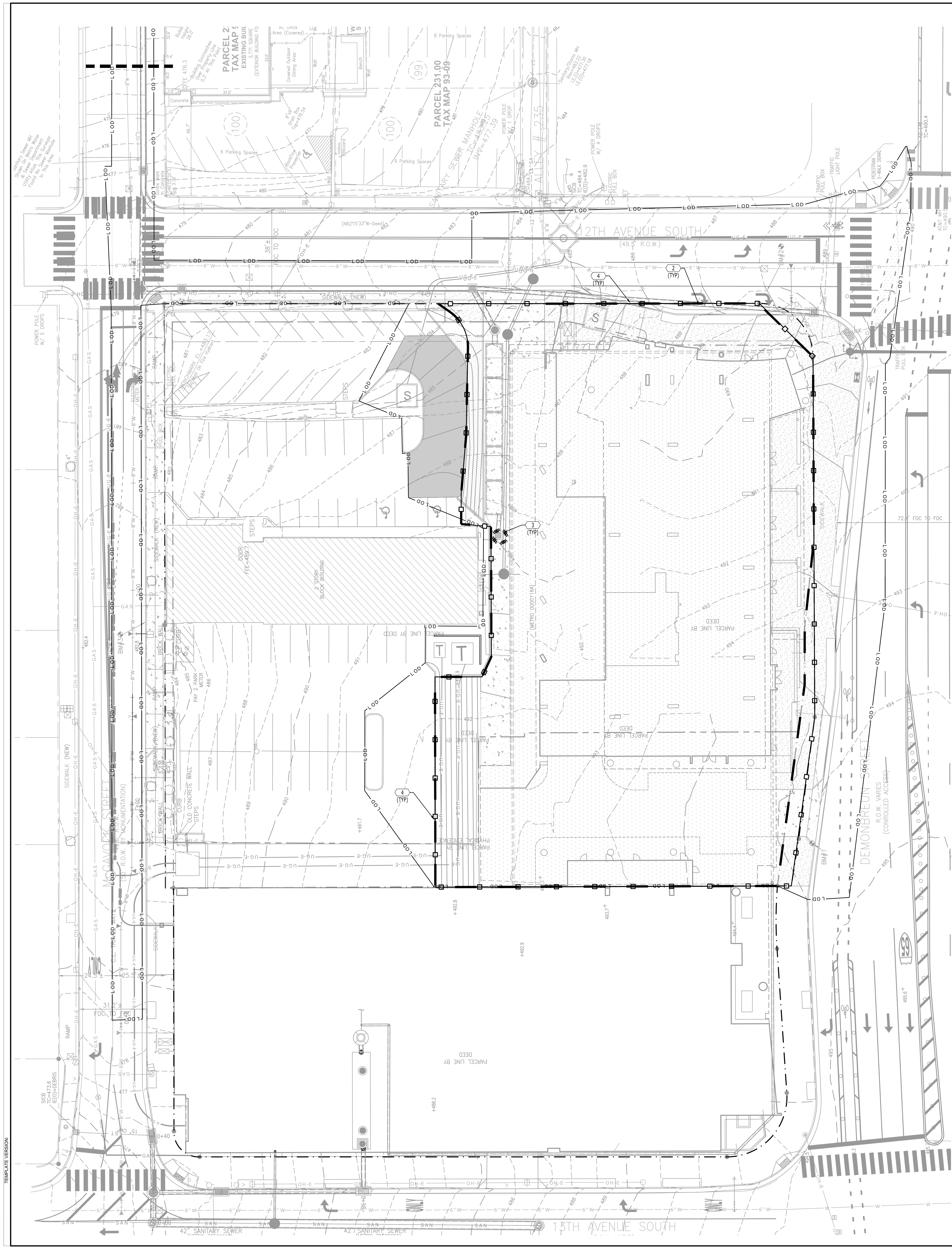
HKS PROJECT NUMBER
22385.100

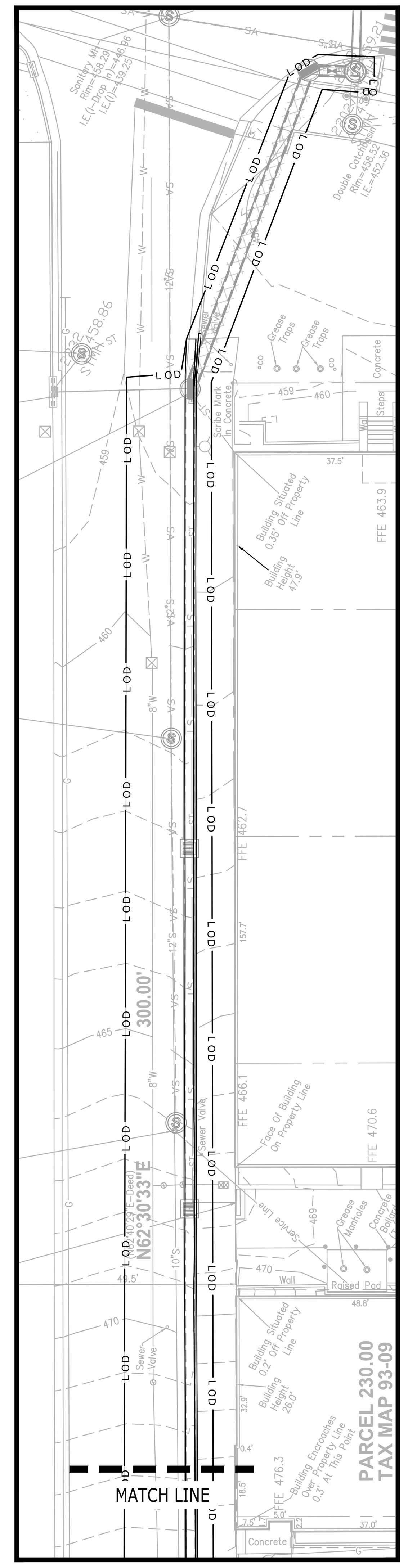
DATE
04/30/2021

ISSUE
GRADING PLANS

SHEET TITLE
MASS EX PLAN

SHEET NO.
C3.1





NOTE:
CONTRACTOR TO COORDINATE WITH ARCHITECTURAL AND STRUCTURAL PLANS FOR FINAL SUBGRADE ELEVATIONS

EROSION CONTROL KEYNOTES		
CODE	DESCRIPTION	DET #/SHT #
1	TEMPORARY CONSTRUCTION ENTRANCE	1 / C3.3
2	SEDIMENT TUBES	2 / C3.3
3	INLET PROTECTION	3 / C3.3
4	CONSTRUCTION FENCE	4 / C3.3
5	CONCRETE WASH-OUT	-
6	DEWATERING PIT	5 / C3.3
7	SEDIMENT FILTER BAG	6/ C3.3

NOTE:
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EROSION CONTROL LEGEND

# #	INLET PROTECTION
▬ ▬	SEDIMENT TUBES
—— LOD ——	LIMIT OF DISTURBANCE
——o——	CONSTRUCTION FENCE

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Andrew Wiseman 04/30/2021
TN REGISTERED ENGINEER DATE

I, ANDREW WISEMAN, A REGISTERED EROSION CONTROL SPECIALIST HAVE REVIEWED THE PLAN FOR SUFFICIENT ONSITE TEMPORARY EROSION AND SEDIMENT CONTROL PROVISIONS.

Andrew Wiseman 04/30/2021
EROSION CONTROL SPECIALIST DATE

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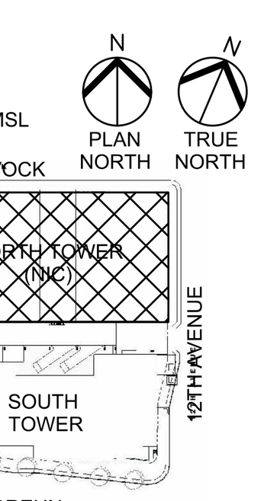
CANTON, GEORGIA 30114

ROBERT ANDREW WISEMAN
REGISTERED ENGINEER
AGRICULTURE COMMERCE
No. 118770
STATE OF TENNESSEE
04/30/2021

KEY PLAN
ELEV 100'-0" = 495.00' MSL



REVISION

HKS PROJECT NUMBER
22385.100

DATE
04/30/2021

ISSUE
GRADING PLANS

SHEET TITLE
FINAL EROSION CONTROL PLAN

SHEET NO.
C3.2

SCHEDULE OF INSPECTIONS AND MAINTENANCE NOTES

1. INSPECTIONS DESCRIBED IN PARAGRAPHS 2, 3 AND 4 BELOW, SHALL BE PERFORMED AT LEAST TWICE EVERY CALENDAR WEEK. INSPECTIONS SHALL BE PERFORMED AT LEAST 72 HOURS APART. WHERE SITES OR PORTION(S) OF CONSTRUCTION SITES HAVE BEEN TEMPORARILY STABILIZED, OR RUNOFF IS UNLIKELY DUE TO WINTER CONDITIONS (E.G., SITE COVERED WITH SNOW OR ICE) OR DUE TO EXTREME DROUGHT, SUCH INSPECTION ONLY HAS TO BE CONDUCTED ONCE PER MONTH UNTIL THAWING OR PRECIPITATION RESULTS IN RUNOFF OR CONSTRUCTION ACTIVITY RESUMES. INSPECTION REQUIREMENTS DO NOT APPLY TO DEFINABLE AREAS THAT HAVE BEEN FINALLY STABILIZED. WRITTEN NOTIFICATION OF THE INTENT TO CHANGE THE INSPECTION FREQUENCY AND THE JUSTIFICATION FOR SUCH REQUEST MUST BE SUBMITTED TO THE LOCAL ENVIRONMENTAL FIELD OFFICE, OR THE DIVISION'S NASHVILLE CENTRAL OFFICE FOR PROJECTS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT) AND THE TENNESSEE VALLEY AUTHORITY (TVA). SHOULD TDEC DISCOVER THAT MONTHLY INSPECTIONS OF THE SITE ARE NOT APPROPRIATE DUE TO INSUFFICIENT STABILIZATION MEASURES OR OTHERWISE, TWICE WEEKLY INSPECTIONS SHALL RESUME. TDEC MAY INSPECT THE SITE TO CONFIRM OR DENY THE NOTIFICATION TO CONDUCT MONTHLY INSPECTIONS.
2. QUALIFIED PERSONNEL (PROVIDED BY THE PERMITTEE OR COOPERATIVELY BY MULTIPLE PERMITTEES) SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED, AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION, STRUCTURAL CONTROL MEASURES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, AND EACH OUTFALL.
3. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE SITE'S DRAINAGE SYSTEM. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY.
4. OUTFALL POINTS (WHERE DISCHARGES LEAVE THE SITE AND/OR ENTER WATERS OF THE STATE) SHALL BE INSPECTED TO DETERMINE WHETHER EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. WHERE DISCHARGE LOCATIONS ARE INACCESSIBLE, NEARBY DOWNSTREAM LOCATIONS SHALL BE INSPECTED. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING.
5. BASED ON THE RESULTS OF THE INSPECTION, ANY INADEQUATE CONTROL MEASURES OR CONTROL MEASURES IN DISREPAIR SHALL BE REPLACED OR MODIFIED, OR REPAIRED AS NECESSARY, BEFORE THE NEXT RAIN EVENT, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE NEED IS IDENTIFIED.
6. BASED ON THE RESULTS OF THE INSPECTION, THE SITE DESCRIPTION AND POLLUTION PREVENTION MEASURES IDENTIFIED IN THIS SWPPP SHALL BE REVISED AS APPROPRIATE, BUT IN NO CASE LATER THAN 7 DAYS FOLLOWING THE INSPECTION. SUCH MODIFICATIONS SHALL PROVIDE FOR TIMELY IMPLEMENTATION OF ANY CHANGES TO THE SWPPP, BUT IN NO CASE LATER THAN 14 DAYS FOLLOWING THE INSPECTION.
7. ALL INSPECTIONS SHALL BE DOCUMENTED ON THE CONSTRUCTION STORMWATER INSPECTION CERTIFICATION FORM PROVIDED IN APPENDIX D OF THE SWPPP REPORT FOR ALL CONSTRUCTION SITES. INSPECTION DOCUMENTATION WILL BE MAINTAINED ON SITE AND MADE AVAILABLE TO TDEC UPON REQUEST. INSPECTION REPORTS MUST BE SUBMITTED TO TDEC WITHIN 10 DAYS OF THE REQUEST. IF TDEC REQUESTS THE CONSTRUCTION STORMWATER INSPECTION CERTIFICATION FORM TO BE SUBMITTED, THE SUBMITTED FORM MUST CONTAIN THE PRINTED NAME AND SIGNATURE OF THE TRAINED CERTIFIED INSPECTOR AND THE PERSON WHO MEETS THE SIGNATORY REQUIREMENTS OF SECTION 7.7.2 OF THE NPDES GENERAL PERMIT.
8. TRAINED CERTIFIED INSPECTORS SHALL COMPLETE INSPECTION DOCUMENTATION TO THE BEST OF THEIR ABILITY. FALSIFYING INSPECTION RECORDS OR OTHER DOCUMENTATION OR FAILURE TO COMPLETE INSPECTION DOCUMENTATION SHALL RESULT IN A VIOLATION OF THIS PERMIT AND ANY OTHER APPLICABLE ACTS OR RULES.
9. SUBSEQUENT OPERATOR(S) (PRIMARY PERMITTEES) WHO HAVE OBTAINED COVERAGE UNDER THE NPDES GENERAL PERMIT SHOULD CONDUCT TWICE WEEKLY INSPECTIONS, UNLESS THEIR PORTION(S) OF THE SITE HAS BEEN TEMPORARILY STABILIZED, OR RUNOFF IS UNLIKELY DUE TO WINTER CONDITIONS OR DUE TO EXTREME DROUGHT AS STATED IN PARAGRAPH A) ABOVE. THE PRIMARY PERMITTEE (SUCH AS A DEVELOPER) IS NO LONGER REQUIRED TO CONDUCT INSPECTIONS OF PORTIONS OF THE SITE THAT ARE COVERED BY A SUBSEQUENT PRIMARY PERMITTEE (SUCH AS A HOME BUILDER).

SITE ASSESSMENT NOTES

1. THE SITE ASSESSMENT SHALL BE PERFORMED BY INDIVIDUALS WITH THE FOLLOWING QUALIFICATIONS:
   - A LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT
   - A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC) OR
   - A PERSON THAT SUCCESSFULLY COMPLETED THE "LEVEL II DESIGN PRINCIPLES FOR EROSION PREVENTION AND SEDIMENT CONTROL FOR CONSTRUCTION SITES" COURSE.
2. QUALITY ASSURANCE OF EROSION PREVENTION AND SEDIMENT CONTROLS SHALL BE DONE BY PERFORMING SITE ASSESSMENT AT A CONSTRUCTION SITE. THE SITE ASSESSMENT SHALL BE CONDUCTED AT EACH OUTFALL INVOLVING DRAINAGE TOTALING 10 OR MORE ACRES OR 5 OR MORE ACRES IF DRAINING TO AN IMPAIRED OR EXCEPTIONAL QUALITY WATERS, WITHIN A MONTH OF CONSTRUCTION COMMENCING AT EACH PORTION OF THE SITE THAT DRAINS THE QUALIFYING ACREAGE OF SUCH PORTION OF THE SITE.
3. AS A MINIMUM, SITE ASSESSMENT SHOULD BE PERFORMED TO VERIFY THE INSTALLATION, FUNCTIONALITY AND PERFORMANCE OF THE EPSC MEASURES DESCRIBED IN THE SWPPP REPORT. THE SITE ASSESSMENT SHOULD BE PERFORMED WITH THE INSPECTOR, AND SHOULD INCLUDE A REVIEW AND UPDATE (IF APPLICABLE) OF THE SWPPP REPORT. MODIFICATIONS OF PLANS AND SPECIFICATIONS FOR ANY BUILDING OR STRUCTURE, INCLUDING THE DESIGN OF SEDIMENT BASINS OR OTHER SEDIMENT CONTROLS INVOLVING STRUCTURAL, HYDRAULIC, HYDROLOGIC OR OTHER ENGINEERING CALCULATIONS SHALL BE PREPARED BY A LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT AND STAMPED AND CERTIFIED IN ACCORDANCE WITH THE TENNESSEE CODE ANNOTATED, TITLE 62, CHAPTER 2 AND THE RULES OF THE TENNESSEE BOARD OF ARCHITECTURAL AND ENGINEERING EXAMINERS.
4. THE SITE ASSESSMENT FINDINGS SHALL BE DOCUMENTED AND THE DOCUMENTATION KEPT WITH THE SWPPP REPORT AT THE SITE. AT A MINIMUM, THE DOCUMENTATION SHALL INCLUDE INFORMATION INCLUDED IN THE INSPECTION FORM PROVIDED IN APPENDIX D OF THE SWPPP REPORT. THE DOCUMENTATION MUST CONTAIN THE PRINTED NAME AND SIGNATURE OF THE INDIVIDUAL PERFORMING THE SITE ASSESSMENT AND THE FOLLOWING CERTIFICATION:

   "I CERTIFY UNDER PENALTY OF LAW THAT THIS REPORT AND ALL ATTACHMENTS ARE, 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."
5. THE SITE ASSESSMENT CAN TAKE THE PLACE OF ONE OF THE TWICE WEEKLY INSPECTIONS REQUIREMENT.
6. TDEC MAY REQUIRE ADDITIONAL SITE ASSESSMENT(S) TO BE PERFORMED IF SITE INSPECTION BY TDEC'S PERSONNEL REVEALS SITE CONDITIONS THAT HAVE POTENTIAL OF CAUSING POLLUTION TO THE WATERS OF THE STATE.

NOTE:

CONTRACTOR SHALL INSTALL A 4'X4' WEATHER PROOF SIGN (6' HEIGHT) AT THE MAIN CONSTRUCTION ENTRANCE. THE SIGN SHALL HAVE THE FOLLOWING INFORMATION:

1. A COPY OF THE NOTICE OF COVERAGE WITH THE NPDES PERMIT NUMBER (FURNISHED BY ENGINEER).
2. THE NAME AND TELEPHONE NUMBER OF A LOCAL CONTACT PERSON (FURNISHED BY CONSTRUCTION MANAGER).
3. DESCRIPTION OF PROJECT (FURNISHED BY CONSTRUCTION MANAGER).

TYPICAL NOTES

1. ALL CONTROL MEASURES MUST BE PROPERLY SELECTED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURE'S SPECIFICATIONS AND THE CONTRACT DOCUMENTS. IF PERIODIC INSPECTIONS OR OTHER INFORMATION INDICATES A CONTROL HAS BEEN USED INAPPROPRIATELY OR INCORRECTLY, THE CONTRACTOR MUST REPLACE OR MODIFY THE CONTROL FOR SITE SITUATIONS.
2. IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT THAT HAVE NOT REACHED A STREAM MUST BE REMOVED AT A FREQUENCY SUFFICIENT TO MINIMIZE OFFSITE IMPACTS. PERMITTEES SHALL NOT INITIATE REMEDIATION/RESTORATION OF A STREAM WITHOUT CONSULTING THE DIVISION FIRST. THIS PERMIT DOES NOT, HOWEVER, AUTHORIZE ACCESS TO PRIVATE PROPERTY.
3. SEDIMENT SHOULD BE REMOVED FROM SEDIMENT TRAPS, SILT FENCES, SEDIMENTATION PONDS, AND OTHER SEDIMENT CONTROLS AS NECESSARY, AND MUST BE REMOVED WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50%.
4. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORM WATER SHALL BE PICKED UP PRIOR TO ANTICIPATED STORM EVENTS, OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORM WATER DISCHARGES.
5. VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR REMAIN DISTURBED MORE THAN 20 CALENDAR DAYS UNLESS THE AREA IS SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.
6. CLEARING AND GRUBBING MUST BE HELD TO THE MINIMUM NECESSARY FOR GRADING AND EQUIPMENT OPERATION.
7. CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED AREAS.
8. EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATIONS BEGIN, AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORK DAY, BUT MUST BE REPLACED AT THE END OF THE WORK DAY.
9. THE FOLLOWING RECORDS SHALL BE MAINTAINED ON SITE; THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR; THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; AND THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.
10. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN SEVEN DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE *HAS TEMPORARILY OR PERMANENTLY CEASED. EXCEPT IN THE FOLLOWING TWO SITUATIONS: 1. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE SEVENTH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL; OR 2. WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 15 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF SITE.*
11. *CONSTRUCTION MUST BE PHASED FOR PROJECTS IN WHICH OVER 50 ACRES OF SOIL WILL BE DISTURBED. AREAS OF THE COMPLETED PHASE MUST BE STABILIZED WITHIN 21 DAYS AFTER ANOTHER PHASE HAS BEEN INITIATED OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORM WATER DISCHARGES: AFTER USE, SILT FENCES SHOULD BE REMOVED OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORM WATER DISCHARGES.*
12. *TEMPORARY OR PERMANENT SOIL STABILIZATION SHALL BE ACCOMPLISHED WITHIN 15 DAYS AFTER FINAL GRADING OR OTHER EARTH WORK. PERMANENT STABILIZATION WITH PERENNIAL VEGETATION OR OTHER PERMANENTLY STABLE, NON-ERODING SURFACE SHALL REPLACE ANY TEMPORARY MEASURES AS SOON AS PRACTICABLE.*
13. *NO SOLID MATERIALS INCLUDING BUILDING MATERIAL, SHALL BE DISCHARGED TO WATERS OF THE UNITED STATES EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT AND/OR TENNESSEE AQUATIC RESOURCE ALTERATION PERMIT*
14. *OFFSITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED.*
15. *AFTER EVERY STORM EVENT, THE ENTIRE SILT FENCE MUST BE INSPECTED AND ANY NEEDED REPAIRS DONE AT THAT TIME. SHOULD ANY DAMAGE OCCUR DUE TO TRAFFIC OR ANY OTHER ACTIVITY THE FENCE MUST BE REPAIRED BEFORE THE END OF EACH WORK DAY.*
16. *PLEASE SEE SHEET C6.0 OF THE CONTRACT DOCUMENTS FOR THE GRADING AND DRAINAGE PLAN. ALSO REFER TO THE EROSION CONTROL DETAILS, AND THE STORM WATER POLLUTION PREVENTION PLAN AND NOTES. THESE SHEETS SHALL REMAIN A PERMANENT PART OF THE SWPPP AFTER CONSTRUCTION IS COMPLETE.*

NOTE:
STRAW BALES ARE NO LONGER PERMITTED FOR USE BY METRO WATER SERVICES-STORMWATER DIVISION. UTILIZE WEIGHTED SEDIMENT TUBES MEETING METRO WATER SERVICES-STORMWATER DIVISION REQUIREMENTS FOR DEWATERING PIT ENCLOSURE.

SEE METRO TCP-14 FOR DETAILS.

ACTIVITY: Dewatering Operations — CP – 02

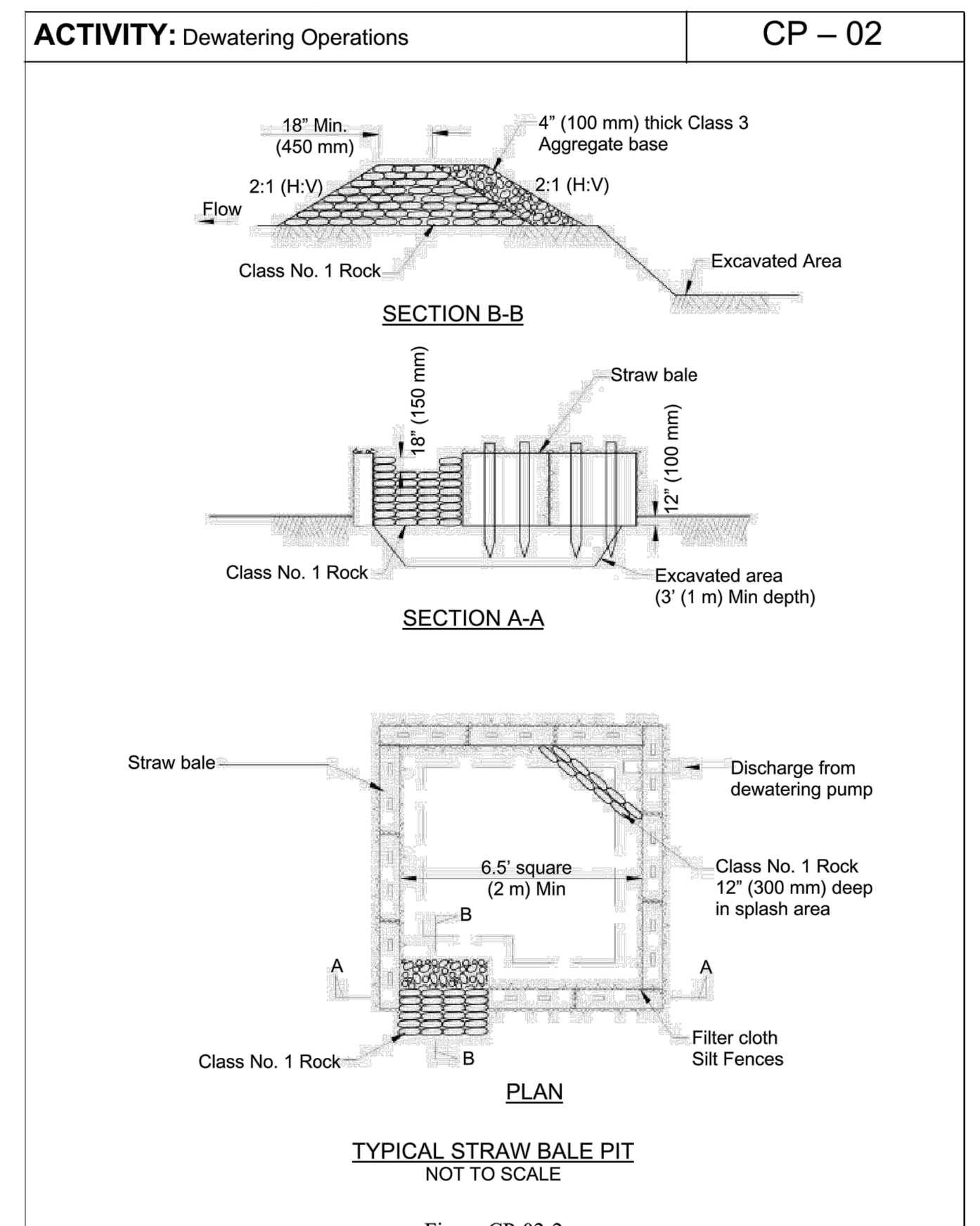


Figure CP-02-2
Typical Straw Bale Pit

Volume 4: Stormwater Best Management Practices – Contractor Management Practices — CP-02-6 — February 2000

ACTIVITY: Dewatering Operations — CP – 02

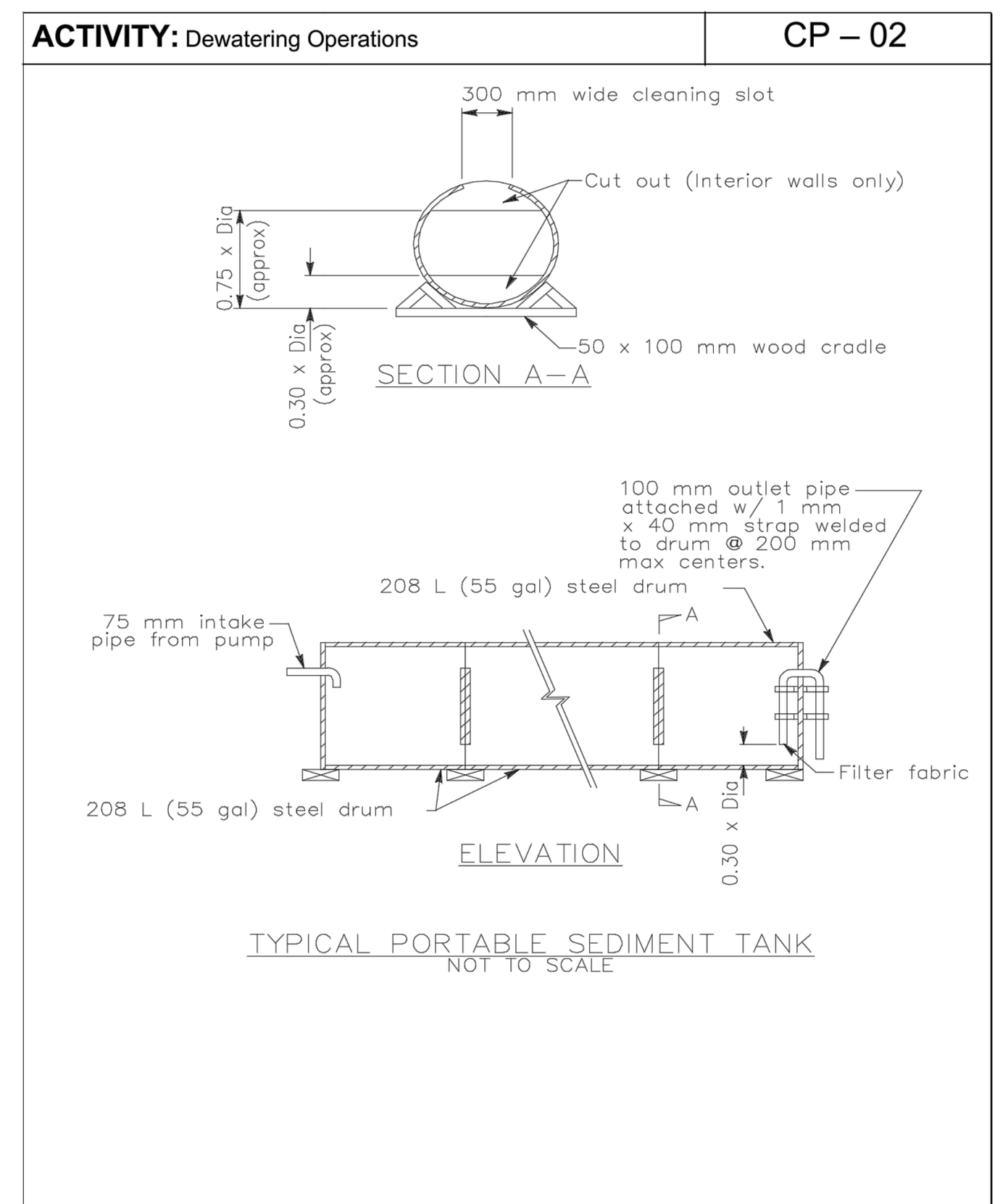


Figure CP-02-3
Typical Portable Sediment Tank

Volume 4: Stormwater Best Management Practices – Contractor Management Practices — CP-02-7 — February 2000

NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING OF EXCAVATION DURING THE CONSTRUCTION PERIOD IN ACCORDANCE WITH SECTION CP-02 OF THE NASHVILLE METRO STORMWATER MANAGEMENT MANUAL VOLUME 4.

1. THE BOX SELECTED SHOULD BE MADE OF STEEL, STURDY WOOD OR OTHER MATERIALS TO HANDLE THE PRESSURE REQUIREMENTS IMPOSED BY THE WATER AND SEDIMENT. 55 GAL. DRUMS WELDED TOP TO BOTTOM ARE NORMALLY READILY AVAILABLE.
2. DESIGN TANK TO ALLOW FOR EMERGENCY FLOW OVER TO P OF TANK.
3. SEDIMENT TANK MINIMUM DEPTH IS 24".
4. ONCE THE WATER LEVEL NEARS TOP OF BOX, SHUT OFF PUMP WHILE TANK DRAINS AND ADDITIONAL CAPACITY IS MADE AVAILABLE.
5. POSITION TANK FOR EASY CLEANOUT AND DISPOSAL OF TRAPPED SEDIMENT.
6. CLEAN-OUT OF THE TANK IS REQUIRED ONCE ONE-THIRD OF THE ORIGINAL CAPACITY IS DEPLETED DUE TO SEDIMENT ACCUMULATION. CLEARLY MARK TANK TO SHOW THE CLEAN-OUT POINT.

MINIMUM STORAGE VOLUME IS BASED ON DEWATERING PUMP DISCHARGE FLOW RATE.

NOTE: 1 LIT/SEC = 0.001 CUB-METER/SEC = 15.85 GPM

NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING OF EXCAVATION DURING THE CONSTRUCTION PERIOD IN ACCORDANCE WITH SECTION CP-02 OF THE NASHVILLE METRO STORMWATER MANAGEMENT MANUAL VOLUME 4.

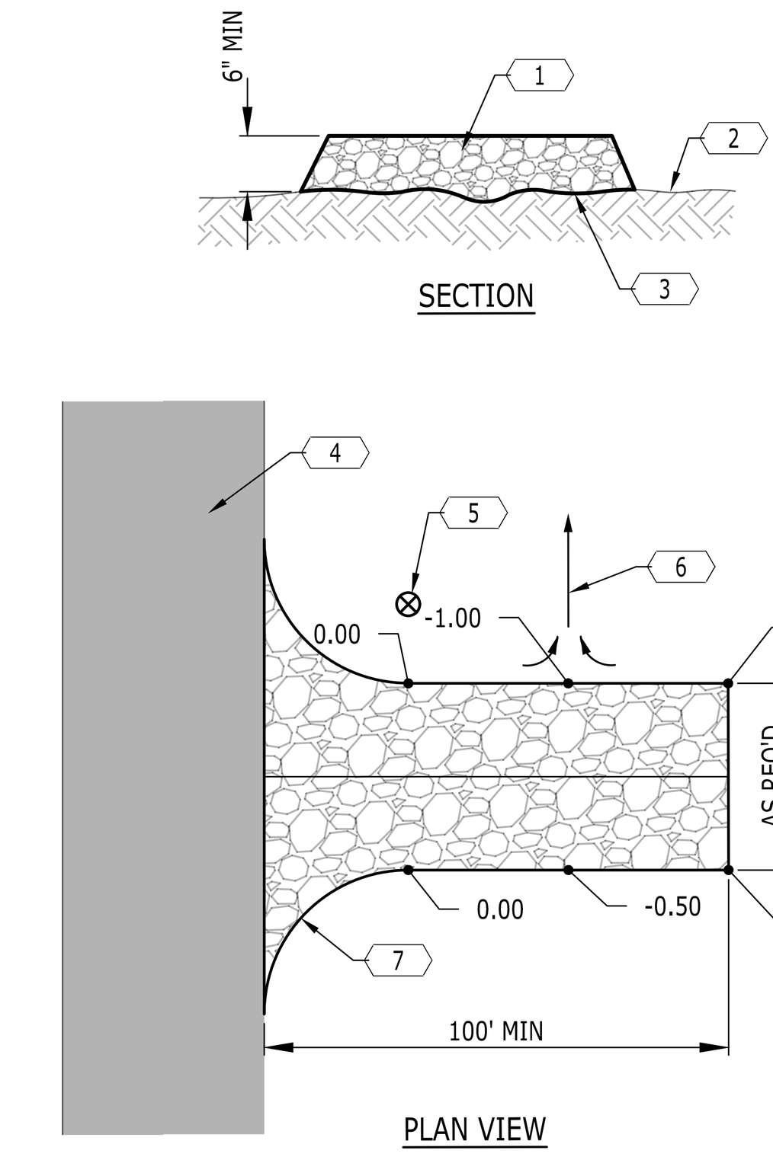
DEWATERING PIT SIZE IS BASED ON DEWATERING PUMP DISCHARGE FLOW RATE:
- LIT/SEC X 7.3 = 1 CUB-METER OF DEWATERING PIT OVER EXCAVATION
- GPM X .60 = 1 CUB-YARD OF DEWATERING PIT OVER-EXCAVATION

A PORTABLE SEDIMENT TANK OR METRO APPROVED ALTERNATIVE MUST BE USED AT THE OUTLET END OF DEWATERING PUMP BEFORE DISCHARGING STORM WATER INTO STORM SYSTEM.

5

DEWATERING OPERATIONS (CP-02)

NO SCALE

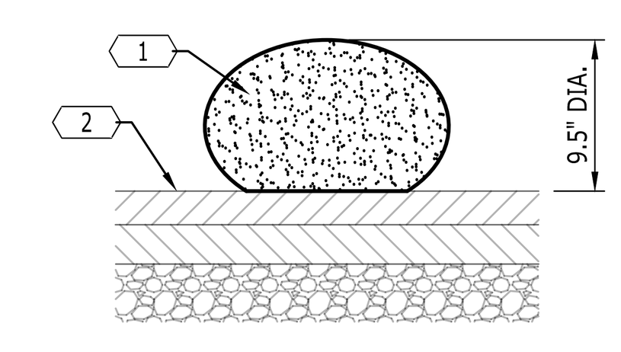


KEYNOTES	
CODE	DESCRIPTION
1	COARSE AGGREGATE; ASM D448 NO. 1 STONE (1.5" - 3.5" DIA.)
2	ORIGINAL GRADE
3	FILTER FABRIC;
4	EXISTING STREET
5	WATER PROVIDED TO WASH TIRES, AS DIRECTED BY ENGINEER
6	SWALE TO SEDIMENT TRAP
7	20' MIN. RADIUS (TYP.)

1

TEMPORARY CONSTRUCTION ENTRANCE (TCP-03)

NOT TO SCALE

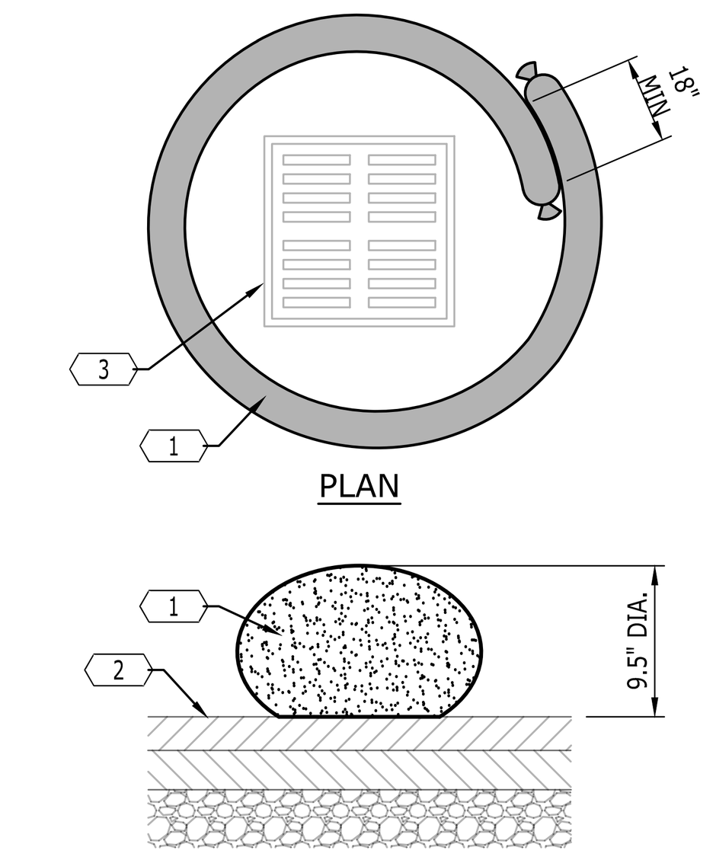


KEYNOTES	
CODE	DESCRIPTION
1	SILTATION EEL DEVICE; USED IN AREAS WHERE EXISTING PAVEMENT PREVENTS THE USE OF SILT FENCE; STABILIZE THE SILTATION EEL BY PLACING SANDBAGS SPACED A MAX. OF 8' O.C. ON TOP OF THE DEVICE
2	PAVEMENT SURFACE

2

TEMPORARY SEDIMENT TUBE (TCP-14)

NOT TO SCALE



KEYNOTES	
CODE	DESCRIPTION
1	SILTATION EEL DEVICE (SOCK); USED IN AREAS WHERE EXISTING PAVEMENT PREVENTS THE USE OF SILT FENCE; STABILIZE THE SILTATION EEL BY PLACING SANDBAGS AS NEEDED ON TOP OF THE DEVICE
2	PAVEMENT SURFACE
3	INLET STRUCTURE GRATE

3

TEMPORARY SILTATION EEL INLET PROTECTION (TCP-24)

NOT TO SCALE

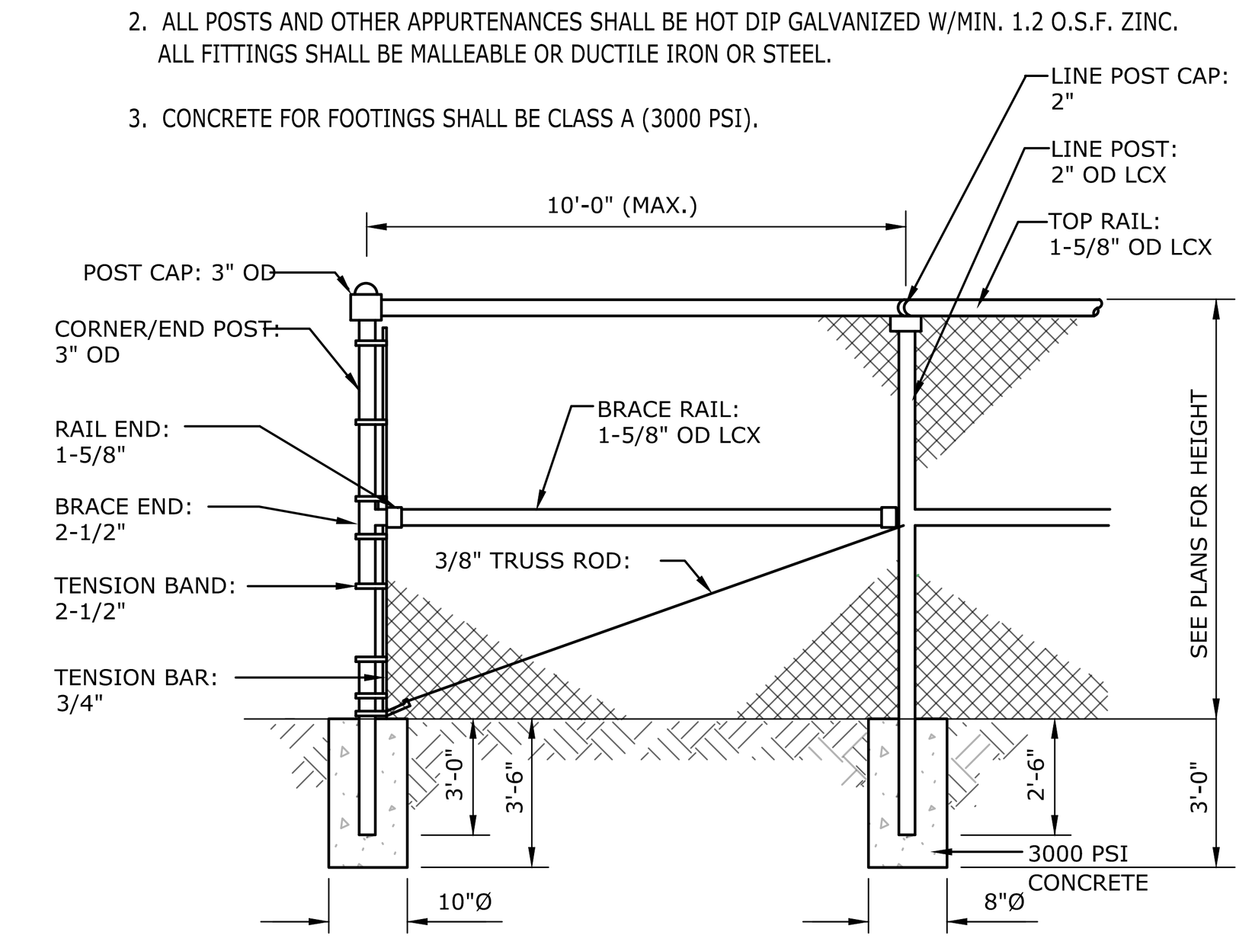
6

RESERVED

NOT TO SCALE

NOTES:

1. FENCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SECTIONS OF TDOT SPECIFICATIONS. ALL MATERIALS SHALL CONFORM TO MATERIAL SECTIONS OF TDOT SPECIFICATIONS FOR FENCING.
2. ALL POSTS AND OTHER APPURTENANCES SHALL BE HOT DIP GALVANIZED W/MIN. 1.2 O.S.F. ZINC. ALL FITTINGS SHALL BE MALLEABLE OR DUCTILE IRON OR STEEL.
3. CONCRETE FOR FOOTINGS SHALL BE CLASS A (3000 PSI).



4

CONSTRUCTION FENCE

NOT TO SCALE

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OWNER'S CONST. MANAGER
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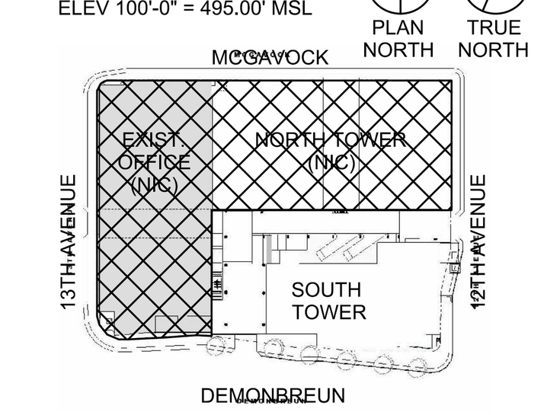
130 PROMINENCE POINT PKWY, SUITE 130-204
CANTON, GEORGIA 30114

KEY PLAN

ELEV 100'-0" = 495.00' MSL

N PLAN NORTH — N TRUE NORTH



REVISION

HKS PROJECT NUMBER
22385.100

DATE
04/30/2021

ISSUE
GRADING PLANS

SHEET TITLE
SEDIMENT AND EROSION CONTROL DETAILS

SHEET NO.
C3.3

TEMPLATE VERSION:

PLOT DATE:

Transmittal

Date:	5/24/2021	Project No.:	20190075
To:	DWR NEFO	Project Phase:	EXP
Company:	TDEC—Division of Water Resources		
Address:	711 R.S. Gass Boulevard, Nashville, TN 37216		
Project Name:	Gulch Union South Tower—NOI & SWPPP		

We are sending the following:

☐ Letter	☒ Drawings	☐ Contract
☐ Change Order	☐ Computer Disk	☐ Specifications
☒ Other SWPPP		

Via:

☒ Email	☐ Courier	☐ Overnight

Purpose:

☒ Approval	☐ Your Use	☒ Your Records
☒ Review & Comment	☐ As Requested	☐ Bids Due

Description	Sets
EPSC Drawings	1
SWPPP w/ Appendices	1
Fees check to follow by mail	

Remarks:

FROM: Carson Gribble, EI
cgribble@catalyst-dg.com