



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Water Resources

William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243
1-888-891-8332 (TDEC)

NASHVILLE ENVIRONMENTAL
FIELD OFFICE
RECEIVED

APR 26 2018

TENNESSEE DEPT OF ENVIRONMENTAL CONSERVATION

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

Site or Project Name: 13th and Demonbreun-Office Tower		NPDES Tracking Number: TNR	
Street Address or Location: 1214 Demonbreun Street, Nashville, TN 37203		Construction Start Date: August 2018	
Site Description: Proposed 20-story office tower		Estimated End Date: June 2020	
County(ies): Davidson		Latitude (dd.dddd): 36.154642	
MS4 (if applicable):		Longitude (-dd.dddd): -86.787709	
Check box if a SWPPP is attached: <input checked="" type="checkbox"/>		Acres Disturbed: 1.08	
Check box if a site location map is attached: <input type="checkbox"/>		Total Acres: 1.08	
Check the appropriate box(s) if there are streams and/or wetlands on or adjacent to the construction site: Streams <input type="checkbox"/> Wetlands <input type="checkbox"/>			
Has a jurisdictional determination been made by the USACE or EPA identifying waters of the United States?: Yes <input type="checkbox"/> No <input type="checkbox"/>			
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): **Endeavor Real Estate Group** 13D Nashville Office Partners, Ltd., L.P.

For corporate entities only, provide correct Tennessee Secretary of State (SOS) Control Number: 000960125
(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	
Mailing Address: 500 West 5th Street, 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: <i>Will Marsh</i>	Date: 3/30/2018
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): Turner Construction; 624 Grassmere Park Drive, Suite 4 Nashville TN, 37211	Signature: <i>John Brown</i>	Date: 3/30/18
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OFFICIAL STATE USE ONLY

Received Date: 4-2-18	Reviewer:	Field Office: 04	Permit Tracking Number: TNR 242493	Exceptional TN Water:
Fee(s): 250.	T & E Aquatic Flora/Fauna:	SOS Corporate Status:	Waters with Unavailable Parameters:	Notice of Coverage Date:



DEPARTMENT OF ENVIRONMENT AND CONSERVATION
 DIVISION OF FISCAL SERVICES - FEE SECTION
 CHECKS RECEIVED WITHOUT DOCUMENTATION

3/30

DIRECTIONS: Divisions must complete this form and attach it to checks received without documentation before transferring checks to the Division of Fiscal Services - Consolidated Fee Section for deposit.

Date Check Received 4/4/18 Division Water Resources
 Company Name Catalyst Design Group PC
 Company or Customer's ID Number TNR242493
 Check Number 1577 Check Amount 250.00
 Type of Fee CGP
 Received By SSM Transferred To _____
*Signature of Division Employee *Fee Coordinator

CN-1222 (Rev. 12-15)

RDA SW01

catalyst DESIGN GROUP CATALYST DESIGN GROUP, PC
 5016 CENTENNIAL BLVD. STE. 200
 NASHVILLE, TN 37209

REGIONS BANK
 NASHVILLE, TN
 1 (800) 734-4667
 87-1/640

1577

PAY Two Hundred Fifty and no/100

TO THE ORDER OF **TENNESSEE DEPT. OF ENVIRONMENT AND CONSERVATION**
 312 ROSA L. PARKS AVENUE 11TH FLOOR
 NASVILLE TN 37243

DATE 03/30/18 CHECK 1577 CHECK AMOUNT \$250.00

[Signature]

DATE	INVOICE NO.	COMMENT	AMOUNT	NET AMOUNT
03/30/2018	20170020 - Grading Permit	TN DEPT. OF ENV. & CONSERVATION APR 04 2018 DIVISION OF WATER RESOURCES TNR242493		250.00
DATE 03/30/18	VENDOR Tennessee Dept. of Environment and Conse		TOTAL	250.00

catalyst
DESIGN GROUP
CATALYST DESIGN GROUP, PC
5016 CENTENNIAL BLVD. STE. 200
NASHVILLE, TN 37209

REGIONS BANK
NASHVILLE, TN
1 (800) 734-4667
87-1640

PAY **Two Hundred Fifty and no/100**

DATE 03/30/18
CHECK 1577
CHECK AMOUNT \$250.00

TO THE TENNESSEE DEPT. OF ENVIRONMENT AND CONSERVATION
ORDER OF 312 ROSA L. PARKS AVENUE 11TH FLOOR
OF NASVILLE TN 37243



DATE	INVOICE NO.	COMMENT	AMOUNT	NET AMOUNT
03/30/2018	20170020 - Grading Permit			250.00

Stormwater Pollution Prevention Plan

for:

13th and Demonbreun-Office Tower
1214 Demonbreun Street
Nashville, TN 37203

Owner:

Company: [Endeavor Real Estate Group](#)
Contact: [Will Marsh](#)
Address: [500 West 5th Street, Suite 700](#)
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:

3/23/2018

Estimated Project Dates:

Project Start Date: August 2018

Project Completion Date: June 2020

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SECTION 1: SITE EVALUATION, ASSESSMENT, AND PLANNING

1.1 Project/Site Information

Project/Site Name: 13th and Demonbreun-Office Tower

Project Street/Location: 1214 Demonbreun Street

City: Nashville State: TN ZIP Code: 37203

County or Similar Subdivision: Davidson

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

Latitude: 36.154642 N Longitude: -86.787709 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 West 5th Street, Suite 700](#)

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: _____
Contact: _____
Phone: _____

This SWPPP was Prepared by:

Company: Catalyst Design Group
Contact: Andrew Wolthers
Address: 5016 Centennial Blvd, Suite 200
City, State, Zip Code: Nashville, TN 37209
Phone: (615) 866-2410
Email: awolthers@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 20-story office tower, complete with a new length of public ROW, parking, drive isles and amenity spaces.

What is the function of the construction activity?

Residential Commercial Industrial Road Construction Linear Utility
 Other (please specify):

Estimated Project Start Date: August 2018

Estimated Project Completion Date: June 2020

1.4 Soils, Slopes, Vegetation, and Current Drainage Patterns

Soil type(s):

According to the NRCS soils map, the site soil consist of 100% Maury-Urban land complex, 2 to 7 percent slopes.

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

The existing site is generally highest in elevation on the south side. Slopes across the site range from 3% to greater than 10%.

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

Current drainage patterns convey runoff Southeast-Northwest across the site, where it captured an existing inlet, a part of the public underground system along McGavock Street. A small portion of the site flows northeast to the alley and captured by an existing inlet, a part of the public underground combined sewer.

Vegetation:

The site is currently not covered with any vegetation, besides a small amount of green space by the sidewalk.

Other:

1.5 Construction Site Estimates

The following are estimates of the construction site.

Total project area (onsite):	1.08 +/- acres
Construction site area to be disturbed (incl. offsite grading):	1.08 +/- acres
Percentage impervious area before construction:	100 %
Runoff coefficient before construction:	98
Percentage impervious area after construction:	98%
Runoff coefficient after construction:	97

1.6 Receiving Waters

Description of receiving waters:

The receiving water for this site is the combined sewer system of Metropolitan Nashville 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 an underground detention structure through a 80% water quality unit , which will discharge via a controlled outlet structure across property line.

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*

Temporary Siltation Eels

BMP Description: Siltation eels will be installed along the north, south, and west perimeters of the site and around any soil stockpiles. 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

Silt Fence

BMP Description: Silt fences will be installed along the north, south, and west perimeters of the site and around any soil stockpiles. 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

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.

<input type="checkbox"/> Permanent	<input checked="" type="checkbox"/> 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.

<input checked="" type="checkbox"/> Permanent	<input type="checkbox"/> 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.

<input type="checkbox"/> <i>Permanent</i>	<input checked="" type="checkbox"/> <i>Temporary</i>
<i>Installation Schedule:</i>	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.
<i>Maintenance and Inspection:</i>	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.
<i>Responsible Staff:</i>	Contractor

2.5 Protect Slopes

There are no significant slopes existing or proposed that need protection.

2.6 Protect Storm Drain Inlets

Storm Drain Inlet Protection

BMP Description: Inlets will be protected from sediment by using sediment tube or silt fence 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 1" 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 sediment 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.

<input type="checkbox"/> <i>Permanent</i>	<input checked="" type="checkbox"/> <i>Temporary</i>
<i>Installation Schedule:</i>	The inlet protection will be installed on the existing inlets before construction begins.
<i>Maintenance and Inspection:</i>	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.
<i>Responsible Staff:</i>	Contractor

2.7 Establish Perimeter Controls and Sediment Barriers

Temporary Siltation Eels

BMP Description: Siltation eels will be installed along the north, south, and west perimeters of the site and around any soil stockpiles. 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.

<i>Installation Schedule:</i>	The siltation eels will be installed before construction begins at the site and around topsoil stockpiles once they have been established.
<i>Maintenance and Inspection:</i>	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
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Silt Fence

BMP Description: Silt fences will be installed along the north, south, and west perimeters of the site and around any soil stockpiles. 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.
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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.
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Responsible Staff:	Contractor
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2.8 Retain Sediment On-Site

Silt Fence

BMP Description: Silt fences will be installed along the north, south, and west perimeters of the site and around any soil stockpiles. 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

<p>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).</p>	
<p><i>Installation Schedule:</i></p>	<p>The silt fences will be installed before construction begins at the site and around topsoil stockpiles once they have been established.</p>
<p><i>Maintenance and Inspection:</i></p>	<p>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.</p>
<p><i>Responsible Staff:</i></p>	<p>Contractor</p>

Temporary Siltation Eels

<p><i>BMP Description:</i> Siltation eels will be installed along the north, south, and west perimeters of the site and around any soil stockpiles. 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.</p>	
<p><i>Installation Schedule:</i></p>	<p>The siltation eels will be installed before construction begins at the site and around topsoil stockpiles once they have been established.</p>
<p><i>Maintenance and Inspection:</i></p>	<p>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</p>

	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 toppedressed 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

<i>BMP Description:</i> If necessary, street sweeping will be performed on surrounding roads to remove sediments and other contaminants directly from the paved surfaces.	
<i>Installation Schedule:</i>	Street sweeping will occur as necessary and if necessary, before forecasted storm events.
<i>Maintenance and Inspection:</i>	All materials collected during street sweeping will be disposed of at an off-site location by the subcontractor.
<i>Responsible Staff:</i>	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, paint, 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.	
<i>Installation Schedule:</i>	The materials storage area will be installed after grading and before any infrastructure is constructed at the site.
<i>Maintenance and Inspection:</i>	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.
<i>Responsible Staff:</i>	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.

<i>Installation Schedule:</i>	The washout area will be constructed before concrete pours occur at the site.
<i>Maintenance and Inspection:</i>	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.
<i>Responsible Staff:</i>	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.

<i>Installation Schedule:</i>	The spill prevention and control procedures will be implemented once construction begins on-site.
<i>Maintenance and Inspection:</i>	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.
<i>Responsible Staff:</i>	Contractor

3.7 Any Additional BMPs

BMP Description: No Additional BMPs were identified.

<i>Installation Schedule:</i>	N/A
<i>Maintenance and Inspection:</i>	N/A
<i>Responsible Staff:</i>	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
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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
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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 K – Delegation of Authority

5.4 Corrective Action Log

Corrective Action Log:

See Appendix F – 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 I – Grading and Stabilization Activities Log](#)

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

[See Appendix I – Grading and Stabilization Activities Log](#)

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

[See Appendix I – Grading and Stabilization Activities Log](#)

6.2 Log of Changes to the SWPPP

Log of changes and updates to the SWPPP

[See Appendix G – 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 J – 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 J – 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

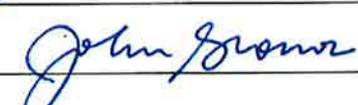
Owner:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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.

Name: Will Marsh Title: Principal
Signature:  Date: 3/30/2018

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: John Gromos Title: Vice President
Signature:  Date: 3/30/18

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 Wolthers Title: Principal-Project Manager

Signature:  Date: 3/23/2018

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

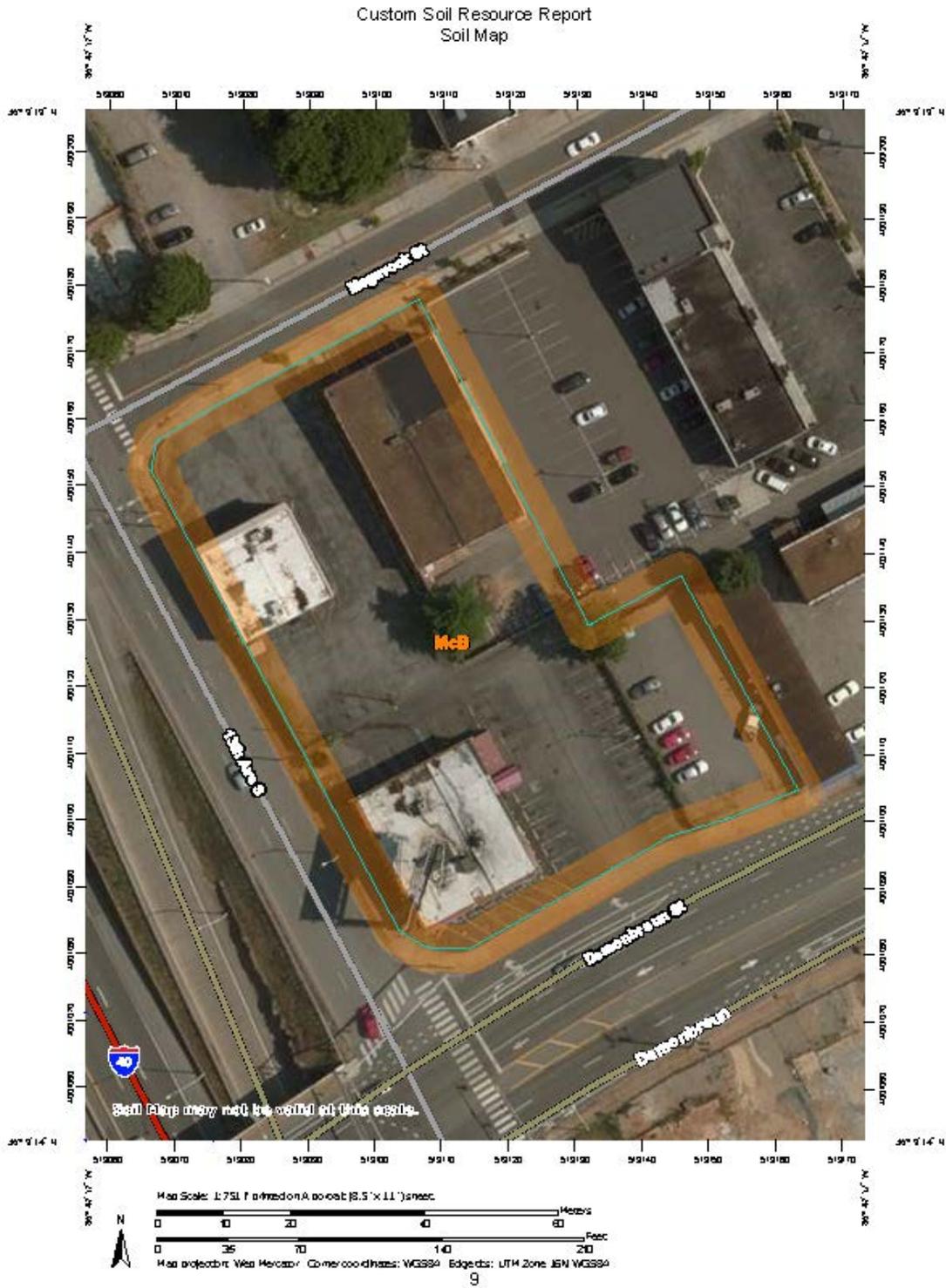
Appendix H – Grading and Stabilization Activities Log

Appendix I – Training Log

Appendix J – Delegation of Authority

Appendix K – Notice of Termination

Appendix B – Site Maps



Appendix C – NOI and NOC



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

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: 13th and Demonbreun-Office Tower		NPDES Tracking Number: TNR	
Street Address or Location: 1214 Demonbreun Street, Nashville, TN 37203		Construction Start Date:	
Site Description: Proposed 20-story office tower		Estimated End Date:	
County(ies): Davidson		MS4 (if applicable):	
Check box if a SWPPP is attached: <input checked="" type="checkbox"/>		Check box if a site location map is attached: <input type="checkbox"/>	
Latitude (dd.dddd): 36.154642		Longitude (-dd.dddd): -86.787709	
Acres Disturbed:		Total Acres: 1.08	
Check the appropriate box(s) if there are streams and/or wetlands on or adjacent to the construction site:		Streams <input type="checkbox"/> Wetlands <input type="checkbox"/>	
Has a jurisdictional determination been made by the USACE or EPA identifying waters of the United States?:		Yes <input type="checkbox"/> No <input type="checkbox"/>	
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): Endeavor Real Estate Group

For corporate entities only, provide correct Tennessee Secretary of State (SOS) Control Number: (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	
Mailing Address: 500 West 5th Street, Suite 700		City: Austin	State: TX
Phone: (512) 682-5550	Fax: ()	E-mail: wmarsh@endeavor-re.com	
Optional Contact:		Title or Position:	
Mailing Address:		City:	State:
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:	Date: 3/30/2018
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): Turner Construction; 624 Grassmere Park Drive, Suite 4 Nashville TN, 37211	Signature:	Date: 3/30/18
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OFFICIAL STATE USE ONLY

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

CONSTRUCTION GENERAL PERMIT - NOTICE OF INTENT (NOI) - INSTRUCTIONS

A completed NOI must be submitted to obtain coverage under the CGP. **Requesting coverage under this permit means that an applicant has obtained and examined a copy of this permit, and thereby acknowledges applicant's claim of ability to be in compliance with permit terms and conditions.** CGP coverage is required for stormwater (SW) discharge(s) from construction activities including clearing, grading, filling and excavating (including borrow pits) of one or more acres of land. This form should be submitted at least 30 days prior to the commencement of land disturbing activities, or no later than 48 hours prior to when a new operator assumes operational control over site specifications or commences work at the site.

The application fee must accompany the NOI and is based on total acreage to be disturbed by an entire project, including any associated construction support activities (e.g., equipment staging yards, material storage areas, excavated material disposal areas, borrow or waste sites, etc.). A separate annual maintenance fee is also required for activities that exceed 1 year under CGP coverage. See TN Rules, Chapter 0400-40-11-.02(b)(12).

Acres Disturbed	= or > 150 acres	= or > 50 < 150 acres	= or > 20 < 50 acres	= or > 5 < 20 acres	= or > 1 < 5 acres	Subsequent coverage
Fee	\$10,000	\$6,000	\$3,000	\$1,000	\$250	\$100

Who must submit the NOI form? All site operators must submit an NOI form. "Operator" for the purpose of this permit and in the context of SW associated with construction activity means any person associated with a construction project who meets either or both of the following two criteria: (1) The person has operational or design control over construction plans and specifications, including the ability to make modifications to those plans and specifications. This person is typically the owner or developer of the project or a portion of the project (e.g., subsequent builder), or the person that is the current land owner of the construction site, and is considered the primary permittee; or (2) The person has day-to-day operational control of those activities at a project which are necessary to ensure compliance with a SWPPP for the site or other permit conditions. This person is typically a contractor or a commercial builder who is hired by the primary permittee, and is considered a secondary permittee.

Owners, developers and all contractors that meet the definition of the operator in subsection 2.2 of the permit shall apply for permit coverage on the same NOI, insofar as possible. After permit coverage has been granted to the initial site-wide primary permittee, any subsequent NOI submittals must include the site's previously assigned permit tracking number and the project name. The comprehensive site-specific SWPPP shall be prepared in accordance with the requirements of part 3 of the permit and must be submitted with the NOI unless the NOI being submitted is to add a subsequent permittee to an existing coverage. **Artificial entities (e.g., corporations or partnerships) must submit the correct Tennessee Secretary of State, Division of Business Services, control number. General partnerships. For general partnerships, the NOI must be signed by each general partner in the general partnership.**

The NOI will be considered incomplete without a correct control number, and the division reserves the right to deny coverage to artificial entities that are not properly registered and in good standing with the Tennessee Secretary of State (i.e., listed with an entity status of "active"). The division further reserves the right to issue permit coverage in the correct legal name of the individual or entity seeking coverage and to name each general partner of a general partnership in addition to the general partnership.

Complete the form: Type or print clearly. Answer each item or enter "NA," for not applicable. If you need additional space, attach a separate piece of paper to the NOI form. **The NOI will be considered incomplete without a permit fee and comprehensive site-specific SWPPP (if applicable).**

Describe and locate the project: Use the legal or official name of the construction site. If a construction site lacks street name or route number, give the most accurate information available to describe the location (reference to adjacent highways, roads and structures; eg., intersection of state highways 70 and 100). Latitude and longitude (in decimal degrees) can be found at numerous other web sites. Attach a copy of a map, showing location of site, with boundaries at least one mile outside the site boundaries. Provide estimated starting date of clearing activities and completion date of the project, and an estimate of the number of acres of the site on which soil will be disturbed, including borrow areas, fill areas, stockpiles and the total acres. For linear projects, give location at each end of the construction area.

Name of the receiving waters: Trace the route of stormwater runoff from the site and determine the name of the water course(s) into which the runoff drains. Note that the water course may or may not be located on the construction site. If the first water body receiving construction site runoff is unnamed ("unnamed tributary"), determine the name of the waterbody that the unnamed tributary enters.

An ARAP may be required: **If your work will disturb or cause alterations of a stream or wetland, you must obtain an appropriate Aquatic Resource Alteration Permit (ARAP).** If wetlands are located on-site and may be impacted, attach the wetland delineation report. If you have a question about the ARAP program, contact your local Field Office (EFO).

Submitting the form and obtaining more information: Note that this form must be signed by the company President, Vice-President, or a ranking elected official in the case of a municipality, for details see subpart 2.5. For more information, contact your local EFO at the toll-free number 1-888-891-8332 (TDEC). Submit the completed NOI form (keep a copy for your records) to the appropriate EFO for the county(ies) where the construction activity is located, addressed to **Attention: Stormwater NOI Processing.**

Notice of Coverage: The division will review NOIs for completeness and accuracy and issue an NOC to site-wide primary operators, authorizing SW discharge from the construction site as of the effective date of the NOC. New subsequent operators will not receive an NOC, but are considered covered under the permit when their permit record is published on TDEC's dataviewer as "active" and with an effective date. TDEC Permit Dataviewer can be found at: http://environment-online.tn.gov:8080/pls/enf_reports/f?p=9034:34001:0

EFO	Street Address	Zip Code	EFO	Street Address	Zip Code
Memphis	8383 Wolf Lake Drive, Bartlett	38133-4119	Cookeville	1221 South Willow Ave.	38506
Jackson	1625 Hollywood Drive	38305-4316	Chattanooga	1301 Riverfront Pkwy, Suite 206	37402
Nashville	711 R S Gass Boulevard	37243	Knoxville	3711 Middlebrook Pike	37921
Columbia	1421 Hampshire Pike	38401	Johnson City	2305 Silverdale Road	37601

Appendix D – Inspection Reports



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC)

Division of Water Resources

William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243
1-888-891-TDEC (8332)

Notice of Termination (NOT) for General NPDES Permit for Stormwater Discharges from Construction Activities (CGP)

This form is required to be submitted when requesting termination of coverage from the CGP. The purpose of this form is to notify the TDEC that either all stormwater discharges associated with construction activity from the portion of the identified facility where you, as an operator, have ceased or have been eliminated; or you are no longer an operator at the construction site. Submission of this form shall in no way relieve the permittee of permit obligations required prior to submission of this form. Please submit this form to the local DWR Environmental Field Office (EFO) address (see table below). For more information, contact your local EFO at the toll-free number 1-888-891-8332 (TDEC).

Type or print clearly, using ink.

Site or Project Name:	NPDES Tracking Number: TNR
Street Address or Location:	County(ies):

Name of Permittee Requesting Termination of Coverage:			
Permittee Contact Name:		Title or Position:	
Mailing Address:	City:	State:	Zip:
Phone:	E-mail:		

Check the reason(s) for termination of permit coverage:

<input type="checkbox"/>	Stormwater discharge associated with construction activity is no longer occurring and the permitted area has a uniform 70% permanent vegetative cover OR has equivalent measures such as rip rap or geotextiles, in areas not covered with impervious surfaces.
<input type="checkbox"/>	You are no longer the operator at the construction site (i.e., termination of site-wide, primary or secondary permittee coverage).

Certification and Signature: (must be signed by president, vice-president or equivalent ranking elected official)

I certify under penalty of law that either: (a) all stormwater discharges associated with construction activity from the portion of the identified facility where I was an operator have ceased or have been eliminated or (b) I am no longer an operator at the construction site. I understand that by submitting this notice of termination, I am no longer authorized to discharge stormwater associated with construction activity under this general permit, and that discharging pollutants in stormwater associated with construction activity to waters of the United States is unlawful under the Clean Water Act where the discharge is not authorized by a NPDES permit. I also understand that the submittal of this notice of termination does not release an operator from liability for any violations of this permit or the Clean Water Act.

For the purposes of this certification, elimination of stormwater discharges associated with construction activity means that all stormwater discharges associated with construction activities from the identified site that are authorized by a NPDES general permit have been eliminated from the portion of the construction site where the operator had control. Specifically, this means that all disturbed soils at the portion of the construction site where the operator had control have been finally stabilized, the temporary erosion and sediment control measures have been removed, and/or subsequent operators have obtained permit coverage for the site or portions of the site where the operator had control.

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.

Permittee name (print or type):	Signature:	Date:
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EFO	Street Address	Zip Code	EFO	Street Address	Zip Code
Memphis	8383 Wolf Lake Drive, Bartlett, TN	38133	Cookeville	1221 South Willow Ave.	38506
Jackson	1625 Hollywood Drive	38305	Chattanooga	1301 Riverfront Parkway, Ste. 206	37402
Nashville	711 R S Gass Boulevard	37243	Knoxville	3711 Middlebrook Pike	37921
Columbia	1421 Hampshire Pike	38401	Johnson City	2305 Silverdale Road	37601

Appendix G – Subcontractor Certifications/Agreements

SUBCONTRACTOR CERTIFICATION STORMWATER POLLUTION PREVENTION PLAN

Project Number: _____

Project Title: _____

Operator(s): _____

As a subcontractor, you are required to comply with the Stormwater Pollution Prevention Plan (SWPPP) for any work that you perform on-site. Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract. You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP. A copy of the SWPPP is available for your review at the office trailer.

Each subcontractor engaged in activities at the construction site that could impact stormwater must be identified and sign the following certification statement:

I certify under the penalty of law that I have read and understand the terms and conditions of the SWPPP for the above designated project and agree to follow the BMPs and practices described in the SWPPP.

This certification is hereby signed in reference to the above named project:

Company: _____

Address: _____

Telephone Number: _____

Type of construction service to be provided: _____

Signature: _____

Title: _____

Date: _____

Appendix I – SWPPP Training Log

Stormwater Pollution Prevention Training Log

Project Name: _____

Project Location: _____

Instructor's Name(s): _____

Instructor's Title(s): _____

Course Location: _____ Date: _____

Course Length (hours): _____

Stormwater Training Topic: *(check as appropriate)*

- Erosion Control BMPs Emergency Procedures
- Sediment Control BMPs Good Housekeeping BMPs
- Non-Stormwater BMPs

Specific Training Objective: _____

Attendee Roster: *(attach additional pages as necessary)*

No.	Name of Attendee	Company
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Appendix J – Delegation of Authority Form

Delegation of Authority

I, _____ (name), hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the Construction General Permit, at the _____ construction site. The designee is authorized to sign any reports, stormwater pollution prevention plans and all other documents required by the permit.

_____ (name of person or position)
_____ (company)
_____ (address)
_____ (city, state, zip)
_____ (phone)

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in _____ (Reference State Permit), and that the designee above meets the definition of a “duly authorized representative” as set forth in _____ (Reference State Permit).

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 gathered and evaluated 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.

Name: _____

Company: _____

Title: _____

Signature: _____

Date: _____

Appendix K – Notice of Termination

When the site has been finally stabilized and all storm water discharges from construction activities that are authorized by the NOC are eliminated, the permittee must submit a signed Notice of Termination.



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC)

Division of Water Resources

William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243
1-888-891-TDEC (8332)

Notice of Termination (NOT) for General NPDES Permit for Stormwater Discharges from Construction Activities (CGP)

This form is required to be submitted when requesting termination of coverage from the CGP. The purpose of this form is to notify the TDEC that either all stormwater discharges associated with construction activity from the portion of the identified facility where you, as an operator, have ceased or have been eliminated; or you are no longer an operator at the construction site. Submission of this form shall in no way relieve the permittee of permit obligations required prior to submission of this form. Please submit this form to the local DWR Environmental Field Office (EFO) address (see table below). For more information, contact your local EFO at the toll-free number 1-888-891-8332 (TDEC).

Type or print clearly, using ink.

Site or Project Name:	NPDES Tracking Number: TNR
Street Address or Location:	County(ies):

Name of Permittee Requesting Termination of Coverage:			
Permittee Contact Name:		Title or Position:	
Mailing Address:	City:	State:	Zip:
Phone:	E-mail:		

Check the reason(s) for termination of permit coverage:

<input type="checkbox"/>	Stormwater discharge associated with construction activity is no longer occurring and the permitted area has a uniform 70% permanent vegetative cover OR has equivalent measures such as rip rap or geotextiles, in areas not covered with impervious surfaces.
<input type="checkbox"/>	You are no longer the operator at the construction site (i.e., termination of site-wide, primary or secondary permittee coverage).

Certification and Signature: (must be signed by president, vice-president or equivalent ranking elected official)

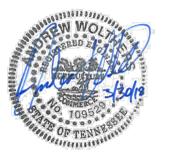
I certify under penalty of law that either: (a) all stormwater discharges associated with construction activity from the portion of the identified facility where I was an operator have ceased or have been eliminated or (b) I am no longer an operator at the construction site. I understand that by submitting this notice of termination, I am no longer authorized to discharge stormwater associated with construction activity under this general permit, and that discharging pollutants in stormwater associated with construction activity to waters of the United States is unlawful under the Clean Water Act where the discharge is not authorized by a NPDES permit. I also understand that the submittal of this notice of termination does not release an operator from liability for any violations of this permit or the Clean Water Act.

For the purposes of this certification, elimination of stormwater discharges associated with construction activity means that all stormwater discharges associated with construction activities from the identified site that are authorized by a NPDES general permit have been eliminated from the portion of the construction site where the operator had control. Specifically, this means that all disturbed soils at the portion of the construction site where the operator had control have been finally stabilized, the temporary erosion and sediment control measures have been removed, and/or subsequent operators have obtained permit coverage for the site or portions of the site where the operator had control.

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.

Permittee name (print or type):	Signature:	Date:
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EFO	Street Address	Zip Code	EFO	Street Address	Zip Code
Memphis	8383 Wolf Lake Drive, Bartlett, TN	38133	Cookeville	1221 South Willow Ave.	38506
Jackson	1625 Hollywood Drive	38305	Chattanooga	1301 Riverfront Parkway, Ste. 206	37402
Nashville	711 R S Gass Boulevard	37243	Knoxville	3711 Middlebrook Pike	37921
Columbia	1421 Hampshire Pike	38401	Johnson City	2305 Silverdale Road	37601



KEY PLAN

REVISION

HKS PROJECT NUMBER
21304.000
 DATE
3/29/2018
 ISSUE
CONSTRUCTION DOCUMENTS
 SHEET TITLE
INITIAL EROSION CONTROL PLAN
 SHEET NO.

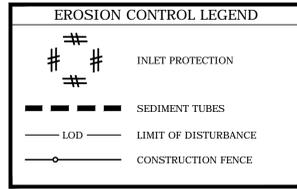
EROSION CONTROL KEYNOTES		
CODE	DESCRIPTION	DET # / SHT #
①	TEMPORARY CONSTRUCTION ENTRANCE	1 / C3.3
②	SEDIMENT TUBES	2 / C3.3
③	INLET PROTECTION	3 / C3.3
④	CONSTRUCTION FENCE	4 / C3.3
⑤	CONCRETE WASH-OUT	
⑥	DEWATERING PIT	5 / C3.3

SITE DESCRIPTION AND NOTES:

- THE SITE IS LOCATED ON TAX MAP 93-09, PARCEL 222, 223, 224, 240, 243, 244 IN NASHVILLE, DAVIDSON COUNTY, TENNESSEE. CONSTRUCTION ACTIVITY ON THIS SITE WILL CONSIST OF DISTURBING APPROXIMATELY 1.08± ACRES TO CONSTRUCT 20 STORY OFFICE TOWER.
- APPROXIMATE CONSTRUCTION TIME TABLE:
 BEGIN CONSTRUCTION [AUGUST 2018]
 COMPLETE CONSTRUCTION [JULY 2020]
 - CONSTRUCTION SEQUENCE:
 A. ATTEND WATER QUALITY DIVISION PRE-CONSTRUCTION MEETING.
 B. INSTALL CONSTRUCTION ENTRANCE AND SILT FENCE
 C. CONTACT WATER QUALITY DIVISION - 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.
 - TOTAL PROJECT AREA = 1.08± AC.
 DISTURBED AREA = 1.08± AC.

EROSION CONTROL NOTES:

- EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATION BEGINS AND MUST BE 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.
- 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.
- 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.
- PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 30 DAYS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA IS SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.
- CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED AREAS.
- 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.
- THE CONTRACTOR SHALL REMOVE SEDIMENT FROM ALL DRAINAGE STRUCTURES BEFORE ACCEPTANCE BY LOCAL GOVERNING AGENCY OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- 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.



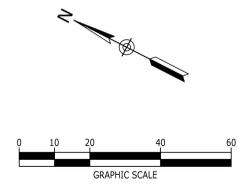
METRO NOTES:

"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." (TN# 149966)

Andrew Wolthers
 TN REGISTERED ENGINEER DATE 3/30/18

I, ANDREW WOLTHERS, A REGISTERED EROSION CONTROL SPECIALIST HAVE REVIEWED THE PLAN FOR SUFFICIENT ONSITE TEMPORARY EROSION AND SEDIMENT CONTROL PROVISIONS.
Andrew Wolthers
 EROSION CONTROL SPECIALIST DATE 3/30/18

NOTE:
 THE SUBJECT PROPERTY DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD ZONE ACCORDING TO COMMUNITY PANEL NO. 470370243 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.



5016 CENTENNIAL BLVD. SUITE 200
 NASHVILLE, TN 37209
 (615) 866-2410

