

STORM WATER POLLUTION PREVENTION PLAN

Prepared for

THE SHOPPES AT NORTHGATE

Murfreesboro, Rutherford County, Tennessee



Prepared By

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Notice of Intent (NOI) & Stormwater Pollution Prevention Plan (SWPPP) Checklist for the General Permit for Discharges of Stormwater Associated with Construction Activities (CGP)

Date Received: _____ Staff Review Completion Date: _____ New NPDES Tracking Number: _____ MS4 Jurisdiction: MURFREESBORO

Reviewer: _____ # of Disturbed Acres: _____ Site/Project Name: THE SHOPPES AT NORTHGATE

Impaired Waters: Yes No Exceptional Waters: Yes No T & E Species: Yes No Fee Collected: Yes No

This NOI/SWPPP checklist pertains to the current CGP, and is used during the NOI review process to help determine whether the submittal provides enough information to grant a Notice of Coverage under the permit. This checklist does not specifically address every condition of the permit or preclude the Division from asking for additional information.

NOI Requirements		Yes	No	CGP pg #
<input checked="" type="checkbox"/>	Correct site-wide permittee (Owner/Developer) entity name included			1
<input checked="" type="checkbox"/>	Proper signature for the owner/developer provided			13
<input checked="" type="checkbox"/>	Receiving waters listed			13, 14
<input checked="" type="checkbox"/>	ARAP Required? <input type="checkbox"/> ARAP #(s): _____			14
<input checked="" type="checkbox"/>	Appropriate portion of USGS topo map provided showing the boundaries of the construction site [2.6.2]			15
SWPPP Requirements				
<input checked="" type="checkbox"/>	"Common Plan of Development"/Site Concept Plan has been provided [1.2.1]			18
<input checked="" type="checkbox"/>	Plans and specs for structural control measures have been prepared and stamped by Professional Engineer or Landscape Architect [3.1.1]			17
<input checked="" type="checkbox"/>	Includes engineering design of sediment basin/controls for projects 10 acres or greater (5 acres if impaired/exceptional waters) [3.1.1]			17
<input checked="" type="checkbox"/>	Includes Quality Assurance Site Assessment requirement criteria if applicable [3.1.2]			17
<input checked="" type="checkbox"/>	Signed by the operator(s) [3.3.1]			17
<input checked="" type="checkbox"/>	Includes multi-phase sheets: <5 ac. - 2-phase plan min.; ≥5 ac. - 3-phase plan min. [3.5.2]			17
<input checked="" type="checkbox"/>	Depicts disturbance limits, buffer zones, watershed drainage patterns/acreage, and proposed contours/slopes [3.5.1.d&g; 4.1.1]			17
<input checked="" type="checkbox"/>	Includes a description of all construction activity (not just grading and street construction) [3.5.1.a]			17
<input checked="" type="checkbox"/>	Includes a description sequence of major activities (e.g., grubbing, excavation, grading, utilities, and infrastructure installation, etc.) [3.5.1.b]			17
<input checked="" type="checkbox"/>	Includes estimates of the total site area versus the total area of the site to be disturbed [3.5.1.c]			17
<input checked="" type="checkbox"/>	Includes a complete inventory of aquatic resources (including any stream, sinkhole or wetland) on or adjacent to the project [3.5.1.i]			18
<input checked="" type="checkbox"/>	Includes a description of appropriate erosion prevention and sediment controls (EPSCs) and the general timing of implementation [3.5.2]			18
<input checked="" type="checkbox"/>	Specifies which permittee is responsible for implementation of which EPSC [3.5.2]			19
<input checked="" type="checkbox"/>	Specifies removal of trapped sediment from sediment controls at or before 50% design capacity [3.5.3.1.e]			20
<input checked="" type="checkbox"/>	Specifies EPSCs will be implemented before earth-moving begins [3.5.3.1.f]			21
<input checked="" type="checkbox"/>	Specifies stabilization within 15 days (7 days for ≥35% slopes) on site areas where construction has temporarily/permanently ceased [3.5.3.2]			24
<input checked="" type="checkbox"/>	Specifies inspections of outfalls/EPSC measures at least twice weekly and at least 72 hours apart [3.5.8.2.d]			23, 24
<input checked="" type="checkbox"/>	Specifies that vegetation, EPSCs & other protective measures are repaired, replaced, or modified within 7 days [3.5.7; 3.5.8.2.f]			18
<input checked="" type="checkbox"/>	Depicts the proposed location of all major structural/nonstructural controls and all proposed stabilization practices [3.5.1.g; 3.5.3.3]			17
<input checked="" type="checkbox"/>	Identifies all outfall locations intended for coverage under the CGP [3.5.1.g]			17
<input checked="" type="checkbox"/>	Includes the name of the receiving water(s), and approximate size and location of affected wetland acreage at the site [3.5.1.j]			20
<input checked="" type="checkbox"/>	Identifies construction phasing for activities that will disturb >50 acres [3.5.1.m & 3.5.3.1.k]			21
<input checked="" type="checkbox"/>	EPSCs have been designed to control the rainfall and runoff from a 2-year, 24-hour return interval storm [3.5.3.3]			22
<input checked="" type="checkbox"/>	Specifies sediment basins for construction sites with drainage areas >10 acres [3.5.3.3]			26
<input checked="" type="checkbox"/>	Specifies a 30' natural riparian buffer zone adjacent to all streams, lakes, wetlands on/adjacent to the construction site [4.1.2]			

Notice of Intent (NOI) & Stormwater Pollution Prevention Plan (SWPPP) Checklist for the General Permit for Discharges of Stormwater Associated with Construction Activities (CGP)

Yes	No	N/A	Additional SWPPP Requirements for Discharges into Impaired or Exceptional TN Waters	CGP pg #
✓			Specifies that EPSCs proposed for the site have been designed to control storm runoff generated by a 5-year, 24-hour storm event [5.4.1.a]	30
✓			Specifies sediment basins for construction sites with drainage areas >5 acres that discharge to impaired or exceptional waters [3.5.3.3] [5.4.1.f]	31
		✓	Specifies a 60' natural riparian buffer zone adjacent to all impaired or exceptional waters on/adjacent to the construction site [4.1.2] [5.4.2]	31
			SWPPP Requirements for Permanent (Post-Development) Stormwater Management	
		✓	Specifies velocity dissipation devices at discharge locations and along the length of any outfall channel [3.5.4]	CGP pg #
		✓	Includes technical basis used to select velocity dissipation devices where flows exceed predevelopment levels [3.5.4]	22
				23

Identification indicators of possible streams or wetlands utilizing site information and resources include:

1. Contour and stream indicators on USGS TOPO maps
2. Drainage area to a defined conveyance (20 acres east TN/40 middle TN/ 75 west TN),
3. Aerial photography identifying a sinuous tree line or grouping of remaining forest in an agricultural setting
4. Springhouse/box
5. Comparable nearby drainage that has previously been determined to have a stream
6. Onsite or adjacent ponds or impoundments
7. Check EFO HD GIS for previous determinations
8. NRCS soil maps or Web Soil Survey (<http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>)
9. Wetlands on National Wetlands inventory: (<http://www.fws.gov/wetlands/data/mapper.HTML>)

If sufficient indicators exist, a stream determination may need to be performed. Stream determinations must be performed by a QHP.

Comments

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Site Description

The project site for the development is located on Rutherford County Tax Map 69, Parcel 79. More specifically the site is located on U.S.231 North/Memorial Blvd across from the Murfreesboro Airport, Murfreesboro, Rutherford County, Tennessee. The existing approximately 16.2-acre site is currently vacant. The proposed improvements include proposed buildings and parking areas for a shopping center development as well as a public road to be constructed to the site and preparatory grading for future outparcels along U.S.231 North. Also included are storm sewer and other utility installations.

Construction Activity

In order to accomplish the construction of the facility, the following types of construction will occur:

- Topsoil stripping and stockpiling
- Offsite fill to be placed on the site
- Parking lot and driveway grading
- Rock excavation
- Water, sewer, and storm sewer installation
- Building construction

Control Measures and Implementation

- The construction-phase erosion and sediment controls have been designed to retain sediment on site.
- All control measures must be properly installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. If periodic inspections or other information indicates a control has been inappropriately or incorrectly used, the permittee must replace or modify the control for the specific site situation.
- If sediment escapes the construction site, off-site accumulations of sediment that have not reached a stream must be removed to minimize offsite impacts (example: sediment that has escaped the construction site and has collected in a street must be removed so that it is not subsequently washed into storm sewers and streams by the next rain and/or so that it does not pose a safety hazard to users of public streets.) The contractor shall not initiate remediation/restoration of a stream without consulting the Tennessee Department of Environment and Conservation - Division of Water Pollution Control. This document does not authorize access to private property.
- Sediment should be removed from sediment traps, silt fences, sedimentation ponds, rock check dams, and other sediment controls as necessary, and must be removed when design capacity has been reduced by 50%.

- Litter, construction debris, and construction chemicals exposed to storm water shall be picked up prior to anticipated storm events (e.g. forecasted by local weather reports), or otherwise prevented from becoming a pollutant source for storm water discharges (e.g., screening outfalls, daily pick-up, etc.). After use, silt fences should be removed or otherwise prevented from becoming a pollutant source for storm water discharges.
- Offsite material storage and/or borrow areas (also including overburden and stockpiles of dirt, etc.) used solely for this project are considered part of the project and are hereby governed by this Plan.
- Pre-construction vegetative ground cover shall not be destroyed, removed, or disturbed more than 15 calendar days prior to grading or earth moving unless the area is seeded and/or mulched or other temporary cover is installed.
- Clearing and grubbing must be held to the minimum necessary for grading and equipment operation.
- Construction must be sequenced to minimize the exposure time of graded or denuded areas. Areas where grading is completed shall be stabilized within the time limits established below.
- 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 day but must be replaced at the end of the workday.
- Records must be kept on site as required on the Construction Storm Water Inspection Report.
- Erosion and sediment control measures are designed for a 5-year, 24-hour rain event.
- As part of the accessibility and retention of records, the permittee shall retain the following items/information in a appropriate location onsite:
 - A rain gage
 - A copy of twice-weekly inspection reports
 - A documentation of quality assurance site assessments, if applicable
 - A copy of the site inspector's Fundamentals of Erosion Prevention and Sediment Control Level 1 certification

Stabilization Practices

Stabilization measures shall be installed as shown on the drawings.

- Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than seventy-two hours 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 seventy-second hour is precluded by snow cover or frozen ground conditions, stabilization measures shall be initiated as soon as possible; or 2) where construction activity on a portion of the site is temporarily ceased, and earth disturbing activities will

be resumed within 14 days, temporary stabilization measures do not have to be initiated on that portion of the site.

- Temporary or permanent soil stabilization shall be accomplished within 15 days after final grading or other earthwork. Permanent stabilization, as specified on the drawings and specifications shall replace any temporary measures as soon as practicable.

Construction Sequence

- Establish Stabilized Construction Exit;
- Install Silt Fence at grading limits where shown on stormwater pollution prevention plans;
- Clear and mass grade the site, including proposed detention basin;
- Place erosion control devices, including channel protection and any remaining silt fence as shown on stormwater pollution prevention plans;
- Install Utilities, including Storm sewer;
- Install protection devices such as turfmat reinforcement immediately following installation of inlet and outlet devices.

Complete all remaining site improvements

- Straw Bale protection of inlet devices shall be replaced by gravel bags, or other approved device, when an impervious surface such as asphalt or concrete has been installed.
- Remove erosion protection devices when site has been permanently stabilized.

All construction shall be in accordance with the storm water runoff controls presented in this Plan. The intent of the Storm Water Pollution Prevention Plan is to minimize the disturbance to the site and the surrounding areas.

Area of Disturbance

The total area of the site is approximately 16.2 acres. As part of these improvements, excavation, grading, and other activities will disturb approximately 16.2 acres. The EPSC Plans detail these activities and are included in the construction documents.

Slopes and Existing Topography

The existing site has slopes from 1 to 4%. The existing topography indicates that the majority of the site drains to the west to an existing closed depression.

Soil Types

The soil information is taken from the Natural Resources Conservation Service Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>. The following are soil types present on this site:

Ar Arrington silt loam
CpA Capshaw silt loam
CuB Cumberland silt loam, 2-5% slopes
CvB3 Cumberland silty clay loam, 2-5% slopes, severely eroded
CvC3 Cumberland silty clay loam, 5-12% slopes, severely eroded

Runoff Coefficient

Currently the site is vacant. The existing runoff coefficient for the disturbed area is 0.3 and the developed runoff coefficient is 0.75.

Outfall Points and Erosion Measures

This site currently drains to the west. The overall runoff from the site is ultimately routed to West Fork Stones River.

Industrial Activities

There are currently no industrial activities taking place at this site. No industrial activities are planned for this facility.

Receiving Stream and Wetlands

All runoff is ultimately routed to West Fork Stones River.

Construction Phase (for sites over 50 acres)

This site is less than 50 acres.

Post Construction Measures

After the construction is complete and all areas are stabilized, all silt fences and other removable erosion control measures shall be removed and properly disposed of.

Materials Stored on site and Associated Erosion Control Measures

The following non-storm water discharges are authorized under the general permit and are anticipated during the construction of the campus:

- Water used for dust control
- Potable water sources including waterline flushing
- Uncontaminated ground water or spring water
- Foundation or footing drains where flows are not contaminated with process materials such as solvents.

All non-storm water discharges, not limited to those identified above shall be discharged through stable discharge structures. These would include the temporary sedimentation basins or the subsurface drainage system shown on the grading plans.

Storm Water from Areas outside Construction Limits

Construction and waste materials that are expected to be stored on site include those typically found at a building construction site. These may include:

- Lumber for forming and construction
- Stockpiled piping and catch basins
- Stockpiled rock and gravel
- Structural steel and reinforcing bars
- Building materials, such as studs, roof trusses, wiring, conduits, mortar, rock for veneer, shingles, sand, etc.
- Construction equipment and vehicles

All materials shall be stored in such a manner that the materials containing potential pollutants (e.g. machine oils) cannot come in contact with rainwater. No solid materials shall be discharged to the tributary, except as authorized by a section 404 permit and/or an Aquatic Resource Alteration Permit.

Off-site vehicle tracking of sediments and the generation of dust shall be minimized.

There are no known legally protected state or federally listed threatened or endangered aquatic fauna and/or critical habitat within the site.

Offsite Erodible Materials Storage

There are no offsite materials storage areas.

Stabilization and Implementation Practices

The attached drawings depict several structural practices to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site to the degree attainable. These practices include, but are not limited to the following:

- Silt fences
- Drainage swales and/or diversion swales
- Sediment traps
- Check dams
- Subsurface culverts
- Storm drainage inlet protection
- Rip rap outlet protection
- Temporary sedimentation basin

Muddy water to be pumped from excavation and work areas must be held in settling basins or filtered prior to its discharge into surface waters. Water must be discharged through a pipe, well-grassed or lined channel or other equivalent means so that the discharge does not cause erosion and the transportation of sediment.

Storm Water Runoff Controls

This portion of the Plan addresses measures that are installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have completed. The general permit only addresses the installation of storm water management measures, and not the ultimate operation and maintenance of such measures after the construction activities have been completed and the site has undergone final stabilization.

Erosion control shall be performed in the following measures:

Erosion control initial measures:

1. Siltation fence to be installed along the north edge of the disturbed area as shown.
2. Siltation fence to be installed in ditches as shown.
3. Use filter fabric inlet protection for all existing drainage structures.

Erosion control intermediate measures:

1. Silt fence is to be installed at edges of ditches once ditches have been constructed.

2. Use filter fabric inlet protection for curb inlets once curb inlets are constructed and before permits are released.
3. Use a turf reinforcement mat in lieu of riprap for permanent inlet and outlet protection at pipe headwalls.
4. Disturbed areas shall be seeded temporarily.
5. Install temporary sediment basin.

Erosion control 'final' measures:

1. Vegetation of ditches and seeding of disturbed areas to be installed as final measures.

The planned storm water management measures for this project include the final stabilization of graded areas. All graded areas shall receive erosion control fabric for those slopes specified on the drawings and all disturbed areas are to receive seeding and straw mulch in accordance with the landscaping drawings and specifications.

Maintenance

The site operator, listed as the Construction Manager in this report, is responsible that all vegetation, erosion, and sediment control measures as well as other protective measures shown on the drawings are kept in good and effective operating condition. The maintenance needs identified by inspections or other means shall be accomplished before the next storm event if possible, but in no case more than seventy-two hours after the need is identified. If maintenance prior to the next anticipated storm event is impracticable, maintenance must be scheduled and accomplished as soon as practicable.

Inspections

Inspector Training and Certification

The inspector shall qualify as having met the criteria as required by the State of Tennessee.

Schedule of Inspections

Inspections shall be done before anticipated storm events (or series of storm events such as intermittent showers over one or more days), and within 24 hours after the end of a storm event of 0.5 inches or greater, and at least once every seventy-two hours or twice every week. When the site has been finally or temporarily stabilized, or runoff is unlikely due to winter conditions (e.g. site

covered with snow, ice, or frozen ground), such inspection only has to be conducted once per month. Inspections and associated, necessary repairs done 60 hours before a rain event constitute compliance with “before anticipated storm events,” and inspections and repairs on a Friday meet the requirement for rain events over the weekend.

The inspector shall check disturbed areas of the construction site that have not been fully stabilized, areas used for storage of materials that are exposed to precipitation, structural control measures, and locations where vehicles enter or exit the site.

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 drainage system. Erosion and sediment control measures identified in this Plan shall be observed to ensure that they are operating properly.

Outfalls shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to the receiving waters. Where discharge points are inaccessible, nearby downstream locations shall be inspected if possible. Locations where vehicles enter or exit the site shall be inspected for evidence of offsite sediment tracking.

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 if possible, but in no case more than seventy-two hours after the need is identified. If maintenance prior to the next rain is impracticable, maintenance must be scheduled and accomplished as soon as practicable.

Inspections shall be documented and include the following:

- The scope of the inspection;
- Name(s) and title or qualification of personnel making the inspection;
- The date(s) of the inspection;
- Major observations relating to the implementation of the storm water pollution prevention plan (including the location(s) of discharges of sediment or other pollutants from the site and of any control device that failed to operate as designed or proved inadequate for a particular location); and
- Actions taken in accordance with this Plan.

Signatures and Certifications

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.

Owner

Senior VP _____ [Signature] _____ 6-8-15
Title Signature Date

Construction Manager:

Senior VP _____ [Signature] _____ 6-8-15
Title Signature Date

ADDITIONAL SUB-CONTRACTORS

Company: _____

Title Signature Date

Company: _____

Title Signature Date

Company: _____

Title Signature Date

Company: _____

Title Signature Date

APPENDIX A
Notice of Intent
Location Map



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Water Resources

William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, TN 37243

1-888-891-8332 (TDEC)

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

Form with fields for Site or Project Name, Street Address, Site Activity, County, MS4 Jurisdiction, Receiving waters, Attach the SWPPP, Site Owner/Developer Entity, Site Owner/Developer Signatory, Mailing Address, Optional Contact, Owner or Developer Certification, Contractor(s) Certification, and Other Contractor information.

OFFICIAL STATE USE ONLY

Table with 4 columns: Received Date, Reviewer, Field Office, Permit Number, Exceptional TN Water, Fee(s), T & E Aquatic Flora and Fauna, Impaired Receiving Stream, Notice of Coverage Date.

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

Purpose of this form A completed notice of intent (NOI) must be submitted to obtain coverage under the Tennessee General NPDES Permit for Discharges of Stormwater Associated with Construction Activity (permit). **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.** This permit is required for stormwater 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.

Permit fee (see table below) 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).

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

* Subsequent Primary Operators seeking coverage under an actively covered larger common plan of development or sale

Who must submit the NOI form? Per Section 2 of the permit, all site operators must submit an NOI form. "Operator" for the purpose of this permit and in the context of stormwater 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. This person 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 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 only add a contractor (secondary permittee) to an existing coverage.

Notice of Coverage The division will review the NOI for completeness and accuracy and prepare a notice of coverage (NOC). Stormwater discharge from the construction site is authorized as of the effective date of the NOC.

Complete the form Type or print clearly, using ink and not markers or pencil. Answer each item or enter "NA," for not applicable, if a particular item does not fit the circumstances or characteristics of your construction site or activity. 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, a map, and the SWPPP.**

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 geographic information available to describe the location (reference to adjacent highways, roads and structures; e.g. intersection of state highways 70 and 100). Latitude and longitude (expressed in decimal degrees) of the center of the site can be located on USGS quadrangle maps. The quadrangle maps can be obtained at the USGS World Wide Web site: <http://www.usgs.gov/>; latitude and longitude information can be found at numerous other web sites. Attach a copy of a portion of a 7.5 minute quad 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.

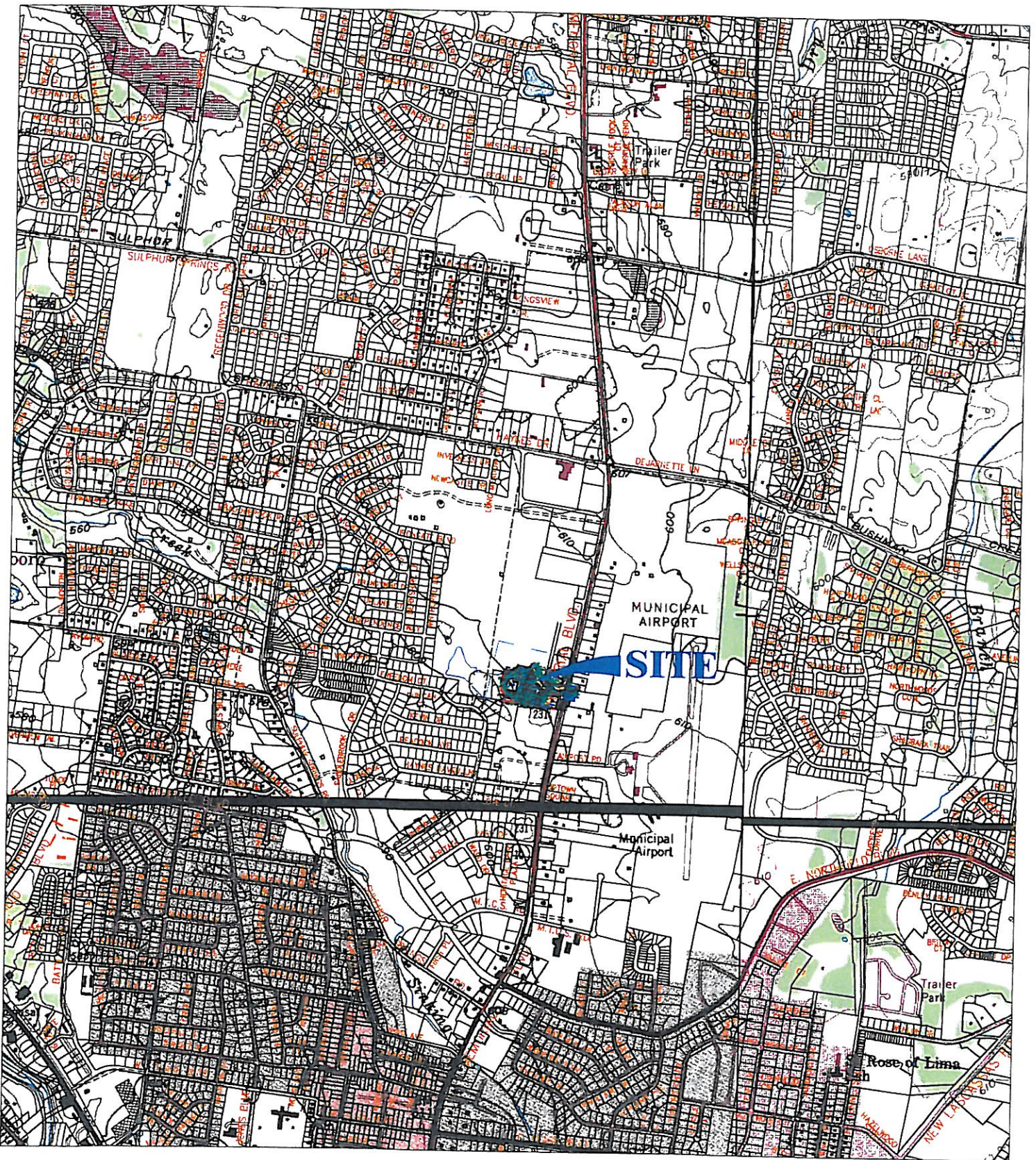
MS4 Jurisdiction: If this construction site is located within a Municipal Separate Storm Sewer System (MS4), please list name of MS4. A current list of MS4s in Tennessee may be found at http://www.state.tn.us/environment/water/water-quality_storm-water.shtml

Give name of the receiving waters Trace the route of stormwater runoff from the construction site and determine the name of the river(s), stream(s), creek(s), wetland(s), lake(s) or any other water course(s) into which the stormwater runoff drains. Note that the receiving 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 water body that the unnamed tributary enters.

ARAP permit 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 you have a question about the ARAP program or permits, contact your local Environmental 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.**

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 Parkway, 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



THE SHOPPES AT NORTHGATE
13TH CIVIL DISTRICT - RUTHERFORD COUNTY - TENNESSEE
DATE 05-22-15
SCALE: 1"=2000'



APPENDIX B
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: THE SHOPPES AT NORTHGATE	NPDES Tracking Number: TNR
Street Address or Location: U.S.231North/Memorial Boulevard	County(ies): Rutherford

Name of Permittee Requesting Termination of Coverage: Northgate Investment Partners, LLC			
Permittee Contact Name: Ivan G. Lozina		Title or Position:	
Mailing Address: 9010 Overlook Blvd		City: Brentwood	State: TN
		Zip: 37027	
Phone: 615-370-0670; fax 615-373-3111		E-mail: ilozina@gbtrealty.com	

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 C
Inspection Report



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
1-888-891-8332 (TDEC)

General NPDES Permit for Stormwater Discharges from Construction Activities (CGP)

Construction Stormwater Inspection Certification (Twice-Weekly Inspections)

Site or Project Name: THE SHOPPES AT NORTHGATE		NPDES Tracking Number: TNR	
Primary Permittee Name: Northgate Investment Partners, LLC		Date of Inspection:	
Current approximate disturbed acreage: 16.2 ac.+/-	Has rainfall been checked/documentated daily? <input type="checkbox"/> Yes <input type="checkbox"/> No		Name of Inspector:
Current weather conditions:		Inspector's TNEPSC Certification Number:	

Please check the box if the following items are on-site:

- Notice of Coverage (NOC)
 Stormwater Pollution Prevention Plan (SWPPP)
 Twice-weekly inspection documentation
 Site contact information
 Rain Gage
 Off-site Reference Rain Gage Location: _____

Best Management Practices (BMPs):

Are the Erosion Prevention and Sediment Controls (EPSCs) functioning correctly: If "No," describe below in Comment Section			
1.	Are all applicable EPSCs installed and maintained per the SWPPP?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2.	Are EPSCs functioning correctly at all disturbed areas/material storage areas per section 4.1.5?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
3.	Are EPSCs functioning correctly at outfall/discharge points such that there is no objectionable color contrast in the receiving stream, and no other water quality impacts per section 5.3.2?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
4.	Are EPSCs functioning correctly at ingress/egress points such that there is no evidence of track out?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
5.	If applicable, have discharges from dewatering activities been managed by appropriate controls per section 4.1.4? If "No," describe below the measures to be implemented to address deficiencies.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
6.	If construction activity at any location on-site has temporarily/permanently ceased, was the area stabilized within 14 days per section 3.5.3.2? If "No," describe below each location and measures taken to stabilize the area(s).	<input type="checkbox"/> Yes	<input type="checkbox"/> No
7.	Have pollution prevention measures been installed, implemented, and maintained to minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters per section 4.1.5? If "No," describe below the measures to be implemented to address deficiencies.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
8.	If a concrete washout facility is located on site, is it clearly identified on the project and maintained? If "No," describe below the measures to be implemented to address deficiencies.	<input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No
9.	Have all previous deficiencies been addressed? If "No," describe the remaining deficiencies in the Comments section. <input type="checkbox"/> Check if deficiencies/corrective measures have been reported on a previous form.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Comment Section. If the answer is "No" for any of the above, please describe the problem and corrective actions to be taken. Otherwise, describe any pertinent observations:			

Certification and Signature (must be signed by the certified inspector and the permittee per Sections 3.5.8.2 (g) and 7.7.2 of the CGP)

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.

Inspector Name and Title:	Signature:	Date:
Primary Permittee Name and Title:	Signature:	Date:

Construction Stormwater Inspection Certification Form (Twice-Weekly Inspections)

Purpose of this form/ Instructions

An inspection, as described in section 3.5.8.2. of the General Permit for Stormwater Discharges from Construction Activities (“Permit”), shall be performed at least twice every calendar week and documented on this form. 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), such inspection only has to be conducted once per month until thawing results in runoff or construction activity resumes.

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. (<http://www.tnepsc.org/>). A copy of the certification or training record for inspector certification should be kept on site.

Qualified personnel, as defined in section 3.5.8.1 of the Permit (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.

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.

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.

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 if possible, but in no case more than 7 days after the need is identified.

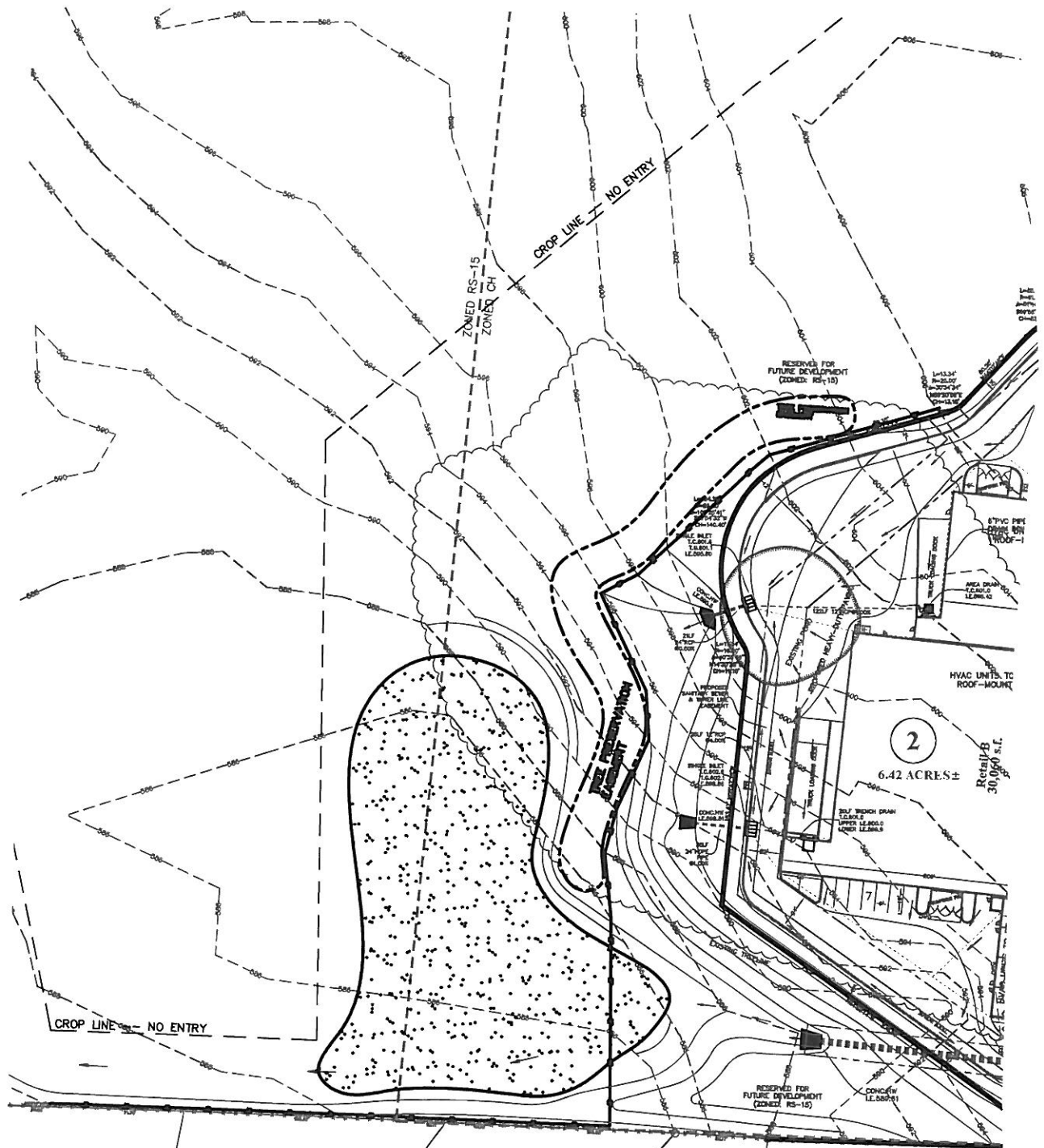
Based on the results of the inspection, the site description identified in the SWPPP in accordance with section 3.5.1 of the Permit and pollution prevention measures identified in the SWPPP in accordance with section 3.5.2 of the Permit, shall be revised as appropriate, but in no case later than 7 days 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.

All inspections shall be documented on this Construction Stormwater Inspection Certification form. Alternative inspection forms may be used as long as the form contents and the inspection certification language are, at a minimum, equivalent to the division’s form and the permittee has obtained a written approval from the division to use the alternative form. Inspection documentation will be maintained on site and made available to the division upon request. Inspection reports must be submitted to the division within 10 days of the request.

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.

APPENDIX D
Erosion Control and Stabilization Plan
Erosion Control Details

See enclosed EPSC Plans.



- PLAT BOOK 22, PAGE 21
 HAYNES HAVEN ESTATES
 SECTION 13

214

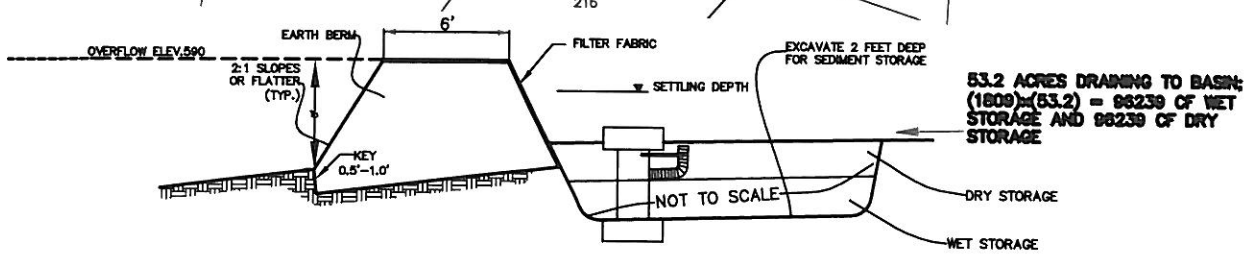
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216

188LF 38"x80"
 6C
 AREA DI
 T.C.6
 I.E.594

ADAMS PLACE, LLC
 522/204
 ZONING: PUO

PLAN VIEW



53.2 ACRES DRAINING TO BASIN;
 $(1809) \times (53.2) = 96239$ CF WET STORAGE AND 96239 CF DRY STORAGE

CROSS SECTION

NOTE: TEMPORARY SEDIMENT BASIN SHALL NOT BE REMOVED UNTIL CONSTRUCTION IS COMPLETE AND SITE HAS BEEN STABILIZED AND SWALE SIDE SLOPES HAVE BEEN STABILIZED. CONTRACTOR SHALL REPAIR AND MAINTAIN EARTH BERM AS NECESSARY DURING CONSTRUCTION. PAYMENT TO INCLUDE EARTH BERM, FILTER FABRIC AND ALL MATERIALS AND LABOR NECESSARY FOR CONSTRUCTION AND MAINTENANCE OF TEMPORARY SEDIMENT BASIN. ITEM NO. 208-10.20

TEMPORARY SEDIMENT BASIN DETAIL
 (NOT TO SCALE)