

STORM WATER POLLUTION PREVENTION PLAN

Prepared for:
Don Humphrey

Humphreys Self Storage

US HWY -11
McMinn County
Riceville, Tennessee 37370

Prepared by:

Caldwell Design and Engineering, LLC
480 No Pine valley Rd
Georgetown, TN 37336

February 4, 2022

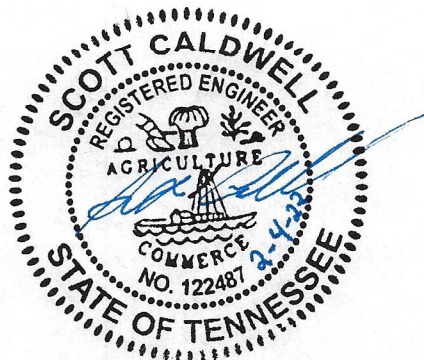
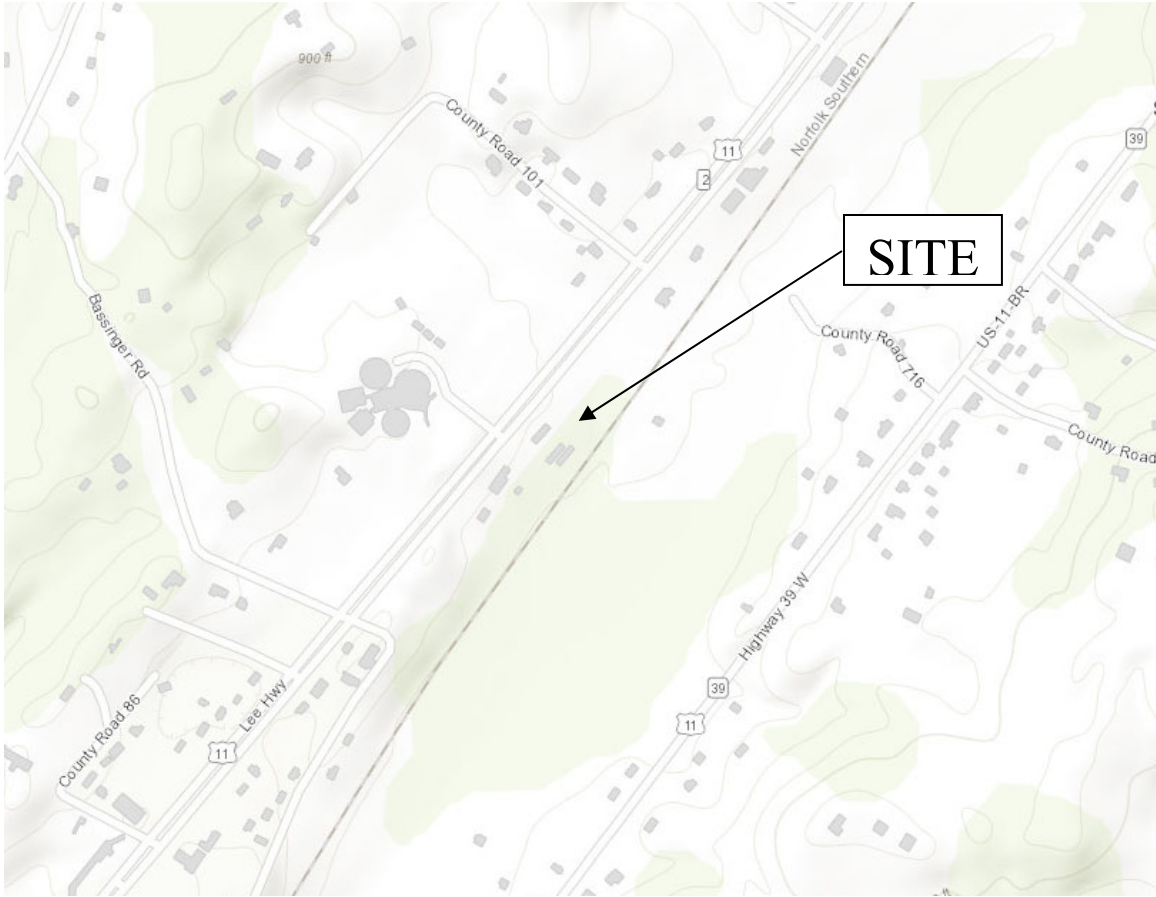


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Site Map

General Information


This Storm Water Pollution Prevention Plan (SWPPP) is developed in accordance with the Tennessee General NPDES Permit (TNR100000) for Storm Water Discharges Associated with Construction Activity (TNCGP) and is prepared using sound engineering practices. The SWPPP was completed by a Licensed Engineer

As instructed by the TNCGP, this plan and all attachments are being submitted to the local Environmental Assistance Center (EAC), along with the complete, correctly signed Notice of Intent (NOI). Construction will not be initiated prior to 30 days from the date of submittal of this document, or prior to receipt of a Notice of Coverage (NOC) from TDEC.

Owner/Developer: Humphreys Self Storage
 US-11 Riceville, Tn
 Phone: (423) 716-2233
 Contact Person: Don Humphreys
 Email: dhumphreys@mindspring.com

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system design 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.		
Representative of owner/developer and title (print or type): Donald Humphreys	Signature (must be signed by president, V.P. or equivalent, or ranking elected official):  Owner /President	Date: 1/31/22

Primary Contractor: Carl Mashburn
 Phone: _____
 Address: 2216 Decatur Pike, Athens TN 37303
 Phone: 423-368-2004
 Contact Person: Carl Mashburn
 Email: ce_mashburn@hotmail.com

I certify under penalty of law that this document and any attachments. Based on my inquiry of the construction site owner/developer identified above, and/or my inquiry of the person directly responsible for assembling this Storm Water Pollution Prevention Plan, I believe the information submitted is accurate. I am aware that this Plan, if approved, makes the above-described construction activity subject to NPDES permit number TNR 100000, 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.		
Company name of primary contractor (print or type): CarlMashburn	Signature (must be signed by president, V.P. or equivalent, or ranking elected official): 	Date: 1/31/22

The individual responsible for installation, maintenance, and inspections of erosion and sediment control measures will be Carl Mashburn.

Carl Mashburn has completed the Fundamentals of Erosion Prevention and Sediment Control course offered by the State of Tennessee. Carl Mashburn telephone number is (423) 368-2004.

Current versions of this SWPPP, the NOI, and the NOC will be kept on the site for the duration of the project. These items will be available for the use of all operators, and be available to Tennessee Department of Environment and Conservation (TDEC) personnel visiting the site. A notice will be posted near the construction entrance during construction activity, containing a copy of the NOC with the tracking number assigned by the EAC, the name and telephone number of a contact person for the development, and a brief description of the project.

Any new contractor on the project that has any responsibility to install, inspect, or maintain erosion or sediment control measures will sign the contractor's certification on a copy of the NOI (Appendix A) and will submit it to the local EAC. Any correspondence with TDEC or any EAC will reference the tracking number assigned by TDEC to the project. The Owner (Don Humphreys) will submit a Notice of Termination (NOT; Appendix B) after the complete installation and successful establishment of the final stabilization activities at the site.

It is the intention and the goal of the TNCGP and this SWPPP that any discharge from the property described in this document have no objectionable color contrast to the water body that receives it. The construction activity will be carried out in such a manner as will prevent any discharge that causes a condition in which visible solids, bottom deposits, or turbidity impairs the usefulness of the waters on the property or downstream of the property for fish and aquatic life, livestock watering and wildlife, recreation, irrigation, navigation, or industrial or domestic water supply.

This plan may be amended for reasons described below, or for other reasons. When the plans are revised, the contractor will implement the changes to erosion protection and sediment controls within 48 hours after the need for modification is identified.

Existing Site Conditions

The project site area is approximately 4.28 acres located in Riceville, TN located on HWY US-11 across from the Riceville Elementary school (see attached location map). Currently the site is developed with 2 storage units approximately 20' x 100' and 1 100' storage unit building 30'x 100'. The lot has an existing paved driveway into the site with gravel around the storage units for the driveways.

Initial Site Visit

The site from aerials consisted of the developed storage units, 1.2 acres of grass and 1.68 acres of small trees for the remaining of the site. My first visit to the site was on 1/22/2022 and spoke with the owner. Mr. Humphrey said that TDEC had put a stop work on the site since the site did not have a SWPPP/NOI approved and complaints from the railroad (siltation in the cross drains).

Current BMPs installed

The contractor had placed rip-rap ring adjacent to the railroad cross drain and cleaned the silt from the upstream and downstream of the cross-drain culverts. The contractor had placed silt fence along the eastern portion of the property and placed matting on both sides of the silt fence. The contractor also placed check dams in the ditch along the northern portion of the property line. The BMPs were placed due to having 10 days to mitigate further erosion and sedimentation downstream.

The majority of the project site slopes toward the railroad at approximately 10% slope and outfalls at the cross drain that had siltation accumulated from the site.

Project Description

Approximately 3.2 acres of land will be disturbed during the construction phase of the project. The project consists of one phase of land disturbance activity. The intent of this project is to provide clearing & grubbing and grading for future development. The SWPPP portion of the project consists of one sediment basin and along with BMPs to minimize the erosion and sedimentation of soil on the site.

The project discharges to the Dry valley Creek (approximately 800 feet. Away). The Dry Valley Creek listed on the 303d for Ecoli due to Pasture Grazing.

Phase 1

During construction, the construction will consist of constructing the sediment basin (outlet pipe and outfall protection during the initial Stage 1 of Phase 1 of the ESPC plan. This will also include installing silt fence, diversion ditches, construction check dams and construction entrance. Clearing and grubbing of the site will also take place during stage one of the SWPPP.

Stage 2 will consist of maintaining the installed BMP(s) per the plans and providing final stabilization of the sediment basin slopes and remaining disturbed area. The installed temporary BMP(s) are to remain until final stabilization is achieved.

Erosion controls will be maintained throughout the construction phase until the site is stabilized.

303d Requirements and Inspections

Discharges from the project enter Dry Valley Creek which is 303(d) listed as being impaired by Ecoli. According to Part III.F. of the TNCGP, this plan and all attachments is being submitted to the local EAC, along with the completed NOI. In addition, The permittee shall perform inspections described in Section 5.5.3.9 at least twice every calendar week. Inspections shall be performed at least 72 hours apart per week. Inspections will cover, at a minimum, all disturbed areas that have not undergone final stabilization, sediment control structures, outfall points, and the stream. The inspections will be conducted with the purpose of determining whether erosion prevention and sediment control measures are effective in preventing impacts to receiving waters. If during these inspections it is discovered that repair or maintenance is required of any temporary or permanent control measure, the action taken to correct the problem will be documented. 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.

If the controls are installed and maintained correctly but are found to provide an inadequate level of protection, Caldwell Design and Engineering will revise this plan and these revisions will be implemented by the contractor. The inspector will certify on a twice weekly basis (on the form found in Appendix C) that the inspection described above has been performed and whether or not all of the erosion and sediment control measures are installed and in working order. The primary permittee shall retain copies of SWPPPs, reports required by this permit, records of all data used to complete the NOI and the NOT for a period of at least three years from the date the NOT is submitted. The inspector will maintain a rain gage and a daily log of readings

Spills and Non-Storm Water Contingencies

All fueling of equipment and vehicles on site will be conducted at a containment area established by the grading contractor. Any spillage will be removed by the end of the day. Contaminated soils will be placed on heavy plastic and covered or placed into approved containers to prevent contact with storm water. All fuel tanks will be in the containment area. Oils, other vehicle fluids, paints, and solvents will be stored in the construction trailer. Any spill in excess of two gallons will be reported to a representative of the grading contractor.

If a release containing a hazardous substance in an amount equal to or in excess of a reporting quantity established under either 40 CFR117 or 40 CFR 302 occurs during a 24-hour period, the contractor will immediately notify the permittee who shall then do the following: notify the National Response Center (NRC) 800-424-8802 and the Tennessee Emergency Management Agency (TEMA) emergencies 800-262-3300, non-emergencies

800-262-3400, as well as the local Environmental Assistance Center. Also, this engineer will prepare a revision of this document to identify measures to prevent the reoccurrence of such releases.

Contractor is responsible to provide litter control for trash generated by his crew. Paint cans, oil cans, used oil, and filters will be contained and disposed of by the contractor and disposed of by the contractor by taking them to the Hazardous Waste Disposal location at a certified landfill for hazardous waste disposal from construction site activities.

Product Specific Practices

1. All on-site vehicles shall be monitored for leaks and receive preventative maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers, which are clearly labeled.
2. Fertilizers shall be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer shall be worked into the soil to limit exposure to storm water. The contents of any partially used bags of fertilizer shall be transferred to a sealable plastic bin to avoid spills.

Rainfall

The site Superintendent shall maintain a rain gauge at the site and monitor rainfall on a daily basis. Daily rainfall amounts shall be recorded. The data sheet shall be kept on site.

Phasing of Construction

Clearing/grubbing & grading of the 3.2 acres will be accomplished in one phase with two stages of erosion and control measures.

Sequencing of ESC Initial Plan

1. Conduct Pre-Construction Meeting with Erosion Control Inspector.
2. Stake out the Limits of Construction.
3. Prior to site-grading activities, the construction entrance will be installed for the use of vehicles leaving the site to reduce tracking sediment onto the roadway. The paved streets adjacent to the site entrance will be swept as required to remove any excess mud, dirt, or rock tracked from the site. Dump trucks hauling material from the construction site shall be covered with tarpaulins.

4. Soil erosion controls will be installed down slope of ground disturbance activities and moved further down slope as the ground disturbance activity is extended. All erosion prevention and sediment control best management practices identified in this SWPPP will be installed as recommended in the Tennessee Erosion and Sediment Control Handbook.
5. Installation of sediment barriers will be completed and functional prior to grade work activity. Install the sediment basins and sediment traps along with risers and outlet pipes and emergency spillways per the plans.
6. A stick/pole will be placed in the sediment basins and sediment traps to show the elevation of the 50 % level capacity of the wet stage to prompt cleanout of the BMPs.
7. Existing topsoil within construction area will be removed and stockpile within designated area specified by the contractor. The stockpile will be stabilized by temporary straw/matting, mulch & seeding or by mulch from the site.
8. Install Diversion ditches depicted on the plans of the limits of disturbance. Diversions will direct stormwater to check dams and sediment basin.
9. All erosion control measures will be maintained in good working order. If a repair is necessary, it will be repaired before the next rain event.
10. Stabilization will occur within 14 days (7 days for slopes greater than 35%) in areas where construction has temporarily/permanently ceased.
11. The outfalls/EPSC measures will be inspected at least twice weekly and at least 72 hours apart.
12. Vegetation, EPSC's and other protective measures will be repaired, replaced, or modified within 7 days.
13. The EPSC's proposed for the site have been designed to control storm runoff generated by a 5-year, 24-hour storm event.
14. Sediment will be removed from silt fences, and other sediment controls before the design capacity of the structure has been reduced by 50%. Litter, construction debris, and construction chemicals exposed to storm water will be picked up prior to anticipated storm events, or otherwise prevented from becoming a pollutant source for storm water discharges (i.e. screening outfalls, daily pick-up, etc).

Sequencing of Final ESC Plan

1. Utilize Flocculant products per the manufactory's recommendations. Flocculant products are to be Anionic type and meet the Tennessee Erosion and Sediment Control Handbook.
2. During the Final Plan of the overall ESC plan the mass grading will be completed and BMPs will be maintained and cleaned out to the original capacity of initial installation.
3. Stabilize finished grade and slopes with permanent seeding/mulch.
4. Stabilization methods may include seed and mulch, rip-rap, or seed and erosion control blankets.
5. Stabilization will occur within 14 days (7 days for slopes greater than 35%) in areas where construction has temporarily/permanently ceased.
6. The outfalls/EPSC measures will be inspected at least twice weekly and at least 72 hours apart.
7. Vegetation, EPSC's and other protective measures will be repaired, replaced, or modified within 7 days.
8. The EPSC's proposed for the site have been designed to control storm runoff generated by a 5-year, 24-hour storm event.
9. Permanent soil stabilization shall be applied as soon as possible after final grading.
10. The Developer/Contractor is solely responsible for maintaining the implementation and maintenance/cleanliness of the Site per the ESC plans and "Tennessee Erosion and Sedimentation Control Handbook"
11. This ESC plan is the minimal requirements for the grubbing/mass grading operations. Adjustments to the ESC plan may be required if unforeseen site conditions/weather occur.

APPENDIX A

NOTICE OF INTENT (NOI)



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER RESOURCES (DWR)
 William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor
 Nashville, TN 37243
 Toll Free Number: 1-888-891-8332 (TDEC)

**NOTICE OF INTENT (NOI) FOR GENERAL NPDES PERMIT FOR
 STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES (TNR100000)**

Site or Project Name: Humphreys Self Storage		NPDES Tracking Number: TNR	
Street Address including city or zip code or Location: 3581 HWY 11 South Riceville, Tn 37370		Construction Start Date: 01/07/2022	
Site Description: Self Storage - Grading		Estimated End Date: 06/30/2022	
County(ies): McMinn		Latitude (dd.dddd): 35.911413	
MS4 Jurisdiction (if applicable):		Longitude (-dd.dddd): -84.6805326	
		Acres Disturbed: 3.1	
		Total Acres: 4.28	
Are there any streams <input type="checkbox"/> and/or wetlands <input type="checkbox"/> on or adjacent to the construction site? If wetlands are located on-site and may be impacted, attach wetlands delineation report. If an Aquatic Resource Alteration Permit has been obtained for this site, what is the permit number? ARAP Number:			
Receiving waters: Dry Valley Creek			
Include the SWPPP with the NOI <input checked="" type="checkbox"/> SWPPP Included		Include a site location map <input checked="" type="checkbox"/> Map Included	

Name of Site Owner or Developer (Site-Wide Permittee): (correct legal name of person, company, or entity that has operational or design control over construction plans and specifications) Donald Humphreys			
For corporate entities only, provide the Tennessee Secretary of State (SOS) Control Number:			
Site Owner or Developer Contact Name: (individual responsible for site) Donald Humphreys		Title or Position: (the party who signs the certification below): President/Owner	
Mailing Address: 6621 Candies Creek Ridge Road NW		City: Charleston	State: TN Zip: 37310
Phone: () 423-716-2233		E-mail: dhumphreys@mindspring.com	

Optional Contact Name:		Title or Position:	
Mailing Address:		City:	State: Zip:
Phone: ()		E-mail:	


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

Owner or Developer Name: (print or type): Donald Humphreys	Signature: 	Date: 1/31/2022
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Contractor(s) 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.

Primary contractor name, address, and SOS control number (if applicable): (print or type) Carl Mashburn	Signature: 	Date: 1-31-22
Primary contractor name, address, and SOS control number (if applicable): (print or type) 2216 Athens, Tn 37303	Signature:	Date:
Primary contractor name, address, and SOS control number (if applicable): (print or type)	Signature:	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.

The appropriate permit 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):

(i) Projects equal to or greater than 150 acres	\$10,000
(ii) Projects equal to or greater than 50 acres and less than 150 acres	\$6,000
(iii) Projects equal to or greater than 20 acres and less than 50 acres	\$3,000
(iv) Projects equal to or greater than 5 acres and less than 20 acres	\$1,000
(v) Projects equal to or greater than 1 acre and less than 5 acres	\$250
(vi) Projects seeking subsequent coverage under an actively covered larger common plan of development or sale	\$100

There is no fee for sites less than 1 acre. A separate annual maintenance fee is also required for construction activities that exceed 1 year under general permit coverage. Tennessee Rules, Chapter 0400-40-11-.02(b)(12)).

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 landowner 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 separate or subsequent NOI submittals must include the site's previously assigned permit tracking number and the project name. The site-wide site-specific SWPPP shall be prepared in accordance with the requirements of part 5 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. Artificial entities (e.g., corporations or partnerships excluding entities not required to register) must submit the TN Secretary of State, Division of Business Services, control number. The Division reserves the right to deny coverage to artificial entities that are not properly registered and in good standing with the TN Secretary of State.

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 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 topographic map, a city map, or a county 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.

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.

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 you have a question about the ARAP program, 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** or use MyTDEC Forms for electronic submittal.

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	37402-2013
Nashville	711 R S Gass Boulevard	37243	Knoxville	3711 Middlebrook Pike	37921
Columbia	1421 Hampshire Pike	38401	Johnson City	2305 Silverdale Road	37601

APPENDIX B

NOTICE OF TERMINATION (NOT)



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)

<p>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.</p> <p>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.</p> <p>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.</p>		
Permittee name (print or type):	Signature:	Date:

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:		NPDES Tracking Number: TNR
Primary Permittee Name:		Date of Inspection:
Current approximate disturbed acreage:	Has rainfall been checked/documented daily? <input type="checkbox"/> Yes <input type="checkbox"/> No	Name of Inspector:
Current weather conditions:		Inspector's Training 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?	Yes	No
2. Are EPSCs functioning correctly at all disturbed areas/material storage areas per section 4.1.5?	Yes	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 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 remaining deficiencies in Comment 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.

As described in section 3.5.8.1 of the Permit, 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/>). Twice weekly inspections can also be performed by: a licensed professional engineer or landscape architect; a Certified Professional in Erosion and Sediment Control (CPESC) or a person who has successfully completed the "Level II Design Principles for Erosion Prevention and Sediment Control for Construction Sites" course. A copy of the certification or training record for inspector certification should be kept on site.

Qualified personnel, (provided by the permittee or cooperatively by multiple permittees) shall inspect disturbed areas of the construction site that have not been finally stabilized, areas used for storage of materials that are exposed to precipitation, structural control measures, locations where vehicles enter or exit the site, and each outfall.

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

RAINFALL LOG SHEET

Use the table below to record the rainfall gauge readings at the beginning and end of each work day. An example table follows.

Month/Year			Month/Year			Month/Year		
Day	Start time	End time	Day	Start time	End time	Day	Start time	End time
1			1			1		
2			2			2		
3			3			3		
4			4			4		
5			5			5		
6			6			6		
7			7			7		
8			8			8		
9			9			9		
10			10			10		
11			11			11		
12			12			12		
13			13			13		
14			14			14		
15			15			15		
16			16			16		
17			17			17		
18			18			18		
19			19			19		
20			20			20		
21			21			21		
22			22			22		
23			23			23		
24			24			24		
25			25			25		
26			26			26		
27			27			27		
28			28			28		
29			29			29		
30			30			30		
31			31			31		

APPENDIX E

EROSION CONTROL DRAWINGS

DEMOLITION & SITE PREPARATION NOTES

1. CONTRACTOR SHALL INCLUDE IN THE BID ALL COST OF REMOVAL, RELOCATION, PROTECTION OF UTILITIES, STRUCTURES AND TREES/GRASS/EARTH MATERIAL ON THE SITE, AND TO PRESERVE THE EXISTING STRUCTURES, TREES/GRASS/EARTH MATERIALS & UTILITIES TO REMAIN.

2. WORK TO BE INCLUDED BUT NOT LIMITED TO:

-DEMOLITION, ABANDONMENT OR REMOVAL FROM SITE OF ALL EXISTING BUILDINGS, STRUCTURES, FOUNDATIONS, CONCRETE, ASPHALT, TREES, LANDSCAPING, AND UTILITIES ABOVE AND BELOW GROUND AT THE SITE EXCEPT WHERE SPECIFIED TO REMAIN.

-ALL UTILITIES (UTILITIES TO REMAIN, TO BE RELOCATED AND/OR PROPOSED UTILITIES) ARE TO REMOVED OR INSTALLED PER LOCAL UTILITY, CITY, COUNTY, AND STATE REQUIREMENTS.

-ALL ASPHALT, CONCRETE, AND BUILDING MATERIALS TO BE TAKEN OFF SITE (DEMOLITION) PER THE PLANS ARE TO BE DISPOSED OF ACCORDING TO LOCAL, STATE AND FEDERAL REGULATIONS. CONTRACTOR TO SAW-CUT PAVEMENT AND SIDEWALKS AS SHOWN ON PLANS.

-THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE ANY EXISTING/NEW IMPROVEMENTS SUCH AS CURB AND GUTTER, PAVEMENT AND FENCES, OR UNDERGROUND UTILITIES DAMAGED BY THE CONTRACTOR OR THEIR SUBCONTRACTORS OR MATERIAL SUPPLIERS, TO THE SATISFACTION OF THE CITY ENGINEER AND OWNER OF THE DAMAGED EXISTING IMPROVEMENTS AND/OR NEW IMPROVEMENTS.

3. EXISTING CONDITIONS

-THE TYPE, SIZE, LOCATION AND NUMBER OF ALL KNOWN UNDERGROUND UTILITIES IN THE AREA OF CONSTRUCTION HAVE/HAVE NOT BEEN SHOWN PER FIELD INVESTIGATION AND THE BEST AVAILABLE UTILITY RECORDS PROVIDED AND ARE APPROXIMATE ONLY.

-THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION "CALL BEFORE YOU DIG" AT 811 A MINIMUM OF 72 HOURS BEFORE PUTTING A TOOL TO EARTH AND VERIFY EXISTING UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES ALONG THE ROUTE OF WORK AND TO COORDINATE CONSTRUCTION SCHEDULES WITH THE UTILITY OWNERS AND TO SCHEDULE UTILITY ADJUSTMENTS TO ELIMINATE CONFLICT WITH PROGRESS OF THE WORK.

-THE CONTRACTOR IS TO VERIFY THE EXISTENCE OR NON-EXISTENCE OF BASEMENTS, CELLARS, SEPTIC TANKS, WELLS ON THE SITE. IF DETERMINED THE ABOVE ARE LOCATED ON THE SITE, THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED. THE ABOVE SHALL BE REMOVED AND FILLED WITH SUITABLE FILL AND COMPACTED ACCORDING TO THE SPECIFICATIONS OF THE GEOTECH REPORT.

-THE CONTRACTOR SHALL MAKE ALL NECESSARY CAPS, PLUGS, AND TERMINATIONS AS REQUIRED BY THE UTILITY OWNER AND/OR GOVERNING AUTHORITIES TO RETURN SAID UTILITY TO COMPLETE OPERATION AT NO ADDITIONAL COST TO OWNER.

-THE CONTRACTOR SHALL NOTE ALL UTILITIES MAY NOT APPEAR ON THESE PLANS AND THAT THE POTENTIAL CONFLICT WITH UTILITIES SHALL BE CONSIDERED IN THE PREPARATION OF ANY BIDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES WHETHER SHOWN ON THE PLANS OR NOT AND SHALL HOLD THE OWNERS AND THE ENGINEER HARMLESS FOR DAMAGE ARISING FROM FAILURE TO ADEQUATELY PROTECT UTILITIES.

-THE SITE/DEMOLITION CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID TO SATISFY HIMSELF AS TO THE EXISTING CONDITIONS AND WORK TO BE DONE.

4. PREPARATION

-CONTRACTOR COORDINATE WITH LOCAL UTILITY OWNER, OWNER, GENERAL CONTRACTOR AND LOCAL AUTHORITIES BEFORE UTILITY(S), STRUCTURE(S) AND/OR FACILITY(S) ARE TO BE REMOVED AND/OR RELOCATED PER THE APPROVED PLANS.

-CONTRACTOR IS RESPONSIBLE FOR PRESERVING THE BENCHMARKS, MONUMENTS AND OTHER REFERENCE POINTS. IF THE ABOVE ARE DESTROYED OR DISTURBED, THE CONTRACTOR IS RESPONSIBLE OR RE-ESTABLISHING AT NO COST TO THE OWNER.

-CONTRACTOR(S) TO PERFORM WORK AND/OR PAY ALL COSTS FOR UTILITY OWNER AND/OR LOCAL AUTHORITIES TO PERFORM THE WORK. WHERE WORK IS TO BE PERFORMED BY A UTILITY COMPANY OR LOCAL AUTHORITY, THE CONTRACTOR(S) IS TO PAY ALL COST FOR WORK TO BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.

-MAINTAIN, PROTECT, REROUTE OR EXTEND AS REQUIRED, EXISTING UTILITIES TO REMAIN IN SERVICE THROUGH THE WORK AREAS NOTED ON THE PLANS.

5. ALL PERMITS ASSOCIATED WITH THE LAND DISTURBANCE NOTICE OF INTENT (NOI), SWPPP, INSTALLATION/RELOCATION OF UTILITIES AND STREAM ALTERATION PERMITS (ARAP) ARE TO BE OBTAINED AND ON SITE AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.

6. ALL EROSION CONTROL & SEDIMENT CONTROL MEASURES (BMPs) TO BE INSTALLED BEFORE LAND DISTURBANCE IS TO COMMENCE AND INSPECTED DAILY .

7. WHERE STREAM BUFFERS ARE LOCATED AND/OR STORMWATER CONVEYANCE DITCHES OR MAINTAINED SYSTEMS ARE LOCATED, PROTECTIVE MEASURES ARE TO BE INSTALLED PER THE EROSION AND SEDIMENT CONTROL (ESC) PLANS. AT ANY TIME THE ESC MEASURES ARE NOTED AS MORE STRINGENT ESC MEASURES SHALL BE INSTALLED PER LOCAL AUTHORITIES AND/OR THE ENGINEER OF RECORD.

8. NO STABILIZATION CONTROL MEASURES OR EROSION CONTROL & SEDIMENT CONTROL MEASURES (ESC) ARE TO BE INSTALLED IN A STREAM WITHOUT OBTAINING A SECTION 404 PERMIT AND AN AQUATIC RESOURCES ALTERATION PERMIT (ARAP).

9. LIMITS OF DISTURBANCE SHALL BE MARKED AND SAFETY (ORANGE) FENCE INSTALLED OR MARKER WITH ORANGE TAPE EVERY 200 FT.

10. CONTRACTOR SHALL CLEAR AND GRUB ALL VEGETATION, TREE(S) AND GRASS NOTED ON THE PLANS (LIVING OR NOT) AND PRESERVE THE AREAS NOTED ON THE PLANS NOT TO BE DISTURBED. TREES SHALL BE MARKED BEFORE LAND DISTURBANCE IS TO COMMENCE AND TREE PROTECTION INSTALLED. MATERIAL TO BE DISPOSED OFF SITE AT AN APPROVED DISPOSAL SITE (PER LOCAL, STATE AND FEDERAL REGULATIONS) OFF SITE AT NO ADDITIONAL COST TO THE OWNER.

11. ALL WORK IS TO PERFORMED ON SITE WITHIN THE BOUNDARIES ON THE PLANS (LIMITS OF DISTURBANCE) UNLESS OTHERWISE STATED ON THE PLANS.

12. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY OR PERMANENT SOIL STABILIZATION AT THE CONSTRUCTION SITE MUST BE COMPLETED NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. IN THE FOLLOWING SITUATIONS, TEMPORARY STABILIZATION MEASURES ARE NOT REQUIRED:

- A) WHERE THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS OR ADVERSE SOGGY GROUND CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
- B) WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, BUT SOIL DISTURBING ACTIVITIES WILL RESUME WITHIN 14

13. STABILIZATION SHALL OCCUR ACCORDING TO THE SEEDING TABLE IN THE APPROVED SWPPP AND EROSION CONTROL PLANS/DETAILS.

13. THE CONTRACTOR MUST IDENTIFY, ON THE PLAN, THE LOCATION OF WASTE CONTAINERS, FUEL STORAGE TANKS, CONCRETE WASHOUT AREAS UNLESS NOTED ON THE PLANS AND ANY OTHER LOCATIONS WHERE HAZARDOUS MATERIALS ARE TO BE STORED.

14. MATERIALS AND EQUIPMENT SHALL BE PERMITTED AT LOCATIONS DESIGNATED BY THE OWNERS AND THE OWNERS REPRESENTATIVE.

15. OWNER HAS THE OPTION TO RETAIN ANY MATERIAL FOR FUTURE USE. COORDINATE WITH THE OWNERS PRIOR TO DISPOSAL.

16. MATERIAL SUITABLE FOR REUSE (CUT & TOPSOIL) SHALL BE STOCKPILED AT LOCATIONS DESIGNATED ON THE PLANS OR DESIGNATED BY THE OWNER/OWNERS REPRESENTATIVE. IF THE EXCESS MATERIAL IS NOT REQUIRED OR UNSUITABLE FOR THE DEVELOPED SITE, THE CONTRACTOR IS TO DEPOSE THE EXCESS/UNSUITABLE MATERIAL AT AN APPROVED DISPOSAL LOCATION (PER LOCAL, STATE AND FEDERAL REGULATIONS) OFF SITE AT NO ADDITIONAL COST TO THE OWNER.

17. EXISTING CONDITIONS SHOWN ARE BASED ON A SURVEY BY OTHERS. REFER TO THE SURVEY FOR ADDITIONAL INFORMATION.

EROSION CONTROL NOTES

1. IN CASE OF EMERGENCY, CALL (RESPONSIBLE PERSON) AT (24 HOUR TELEPHONE)

2. THE ESC MEASURES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE MEASURES SHALL BE UPGRADED AS NEEDED TO MAINTAIN COMPLIANCE WITH ALL REGULATIONS.

3. THE ESC PLAN AND SWPPP MUST BE KEPT ONSITE. ALL MEASURES SHOWN ON THE PLAN & DESIGNATED BY THE ENGINEER MUST BE INSTALLED PROPERLY TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER A SURFACE WATER SYSTEM, ROADWAY, OR OTHER PROPERTIES.

4. OWNER OR DESIGNATED PERSON SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES, IN ACCORDANCE WITH CURRENT STORMWATER STANDARDS AND STATE, AND FEDERAL REGULATIONS.

5. PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BOUNDARIES OF THE CLEARING LIMITS, VEGETATED BUFFERS, AND ANY SENSITIVE AREAS SHOWN ON THIS PLAN SHALL BE CLEARLY DELINEATED IN THE FIELD. UNLESS OTHERWISE APPROVED, NO DISTURBANCE IS PERMITTED BEYOND THE CLEARING LIMITS. THE OWNER/PERMITEE MUST MAINTAIN THE DELINEATION FOR THE DURATION OF THE PROJECT.

6. NO TREES OR VEGETATION IS TO BE DISTURBED/REMOVED UNLESS SHOWN ON THE PLANS.

8. PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BMPs THAT MUST BE INSTALLED ARE GRAVEL CONSTRUCTION ENTRANCE, PERIMETER SEDIMENT CONTROL, INLET PROTECTION AND SEDIMENT TRAPS/BASINS. THESE BMPs MUST BE MAINTAINED FOR THE DURATION OF THE PROJECT.

9. ALL PUBLIC STREETS SHALL BE MAINTAINED FREE OF DUST AND SEDIMENT CAUSED BY GRADING OPERATIONS.

10. A STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES. NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.

11. ALL ACTIVE INLETS MUST HAVE SEDIMENT CONTROLS INSTALLED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

12. REMOVE SEDIMENT ONCE IT HAS ACCUMULATED TO 1/2 THE ORIGINAL HEIGHT OF THE BARRIER.

13. ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM.

14. CLEANING OF ALL STRUCTURES WITH SUMPS MUST OCCUR WHEN THE SEDIMENT RETENTION CAPACITY HAS BEEN REDUCED BY 50% AND AT COMPLETION OF PROJECT.

15. ALL PUMPING OF SEDIMENT LADEN WATER MUST BE DISCHARGED OVER AN UNDISTURBED, PREFERABLY VEGETATED AREA, AND THROUGH A SEDIMENT CONTROL BMP (I.E. FILTER BAG).

16. GRADED AREAS ADJACENT TO FILL SLOPES LOCATED AT THE SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY.

17. ALL LOOSE SOIL AND DEBRIS WHICH MAY CREATE A POTENTIAL HAZARD TO OFF-SITE PROPERTY SHALL BE REMOVED FROM THE SITE AS DIRECTED BY THE PUBLIC WORKS INSPECTOR.

18. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE WITHIN THE SITE SHALL BE AT THE DISCRETION OF THE CITY ENGINEER.

19. EROSION CONTROL DEVICES SHALL NOT BE MODIFIED WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.

20. REVISED PLANS SHALL BE SUBMITTED TO THE CITY FOR APPROVAL.

21. THE CONTRACTOR SHALL SUPERVISE EROSION CONTROL WORK IN ACCORDANCE WITH THE APPROVED PLANS. THE WORK ALSO INCLUDES, BUT IS NOT LIMITED TO, INSPECTION OF EROSION CONTROL MEASURES AND PROVIDING DOCUMENTATION TO LOCAL AUTHORITIES.

22. DURING ROUGH GRADING OPERATIONS AND PRIOR TO CONSTRUCTION OF PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE CONTROL (BEST MANAGEMENT PRACTICES, BMPs) SHALL BE PROVIDED TO PREVENT PONDING WATER AND DAMAGE TO ADJACENT PROPERTIES.

23. IMPLEMENT FUGITIVE DUST CONTROL MEASURES DUST BY WATERING OR OTHER APPROVED METHODS.

24. FOR SLOPES 3:1 (H:V) OR STEEPER: SLOPES EQUAL TO OR GREATER THAN 3 FEET IN VERTICAL HEIGHT SHALL BE PLANTED WITH DROUGHT TOLERANT GRASS.

25. SEDIMENT CONTROLS MUST BE INSTALLED AND MAINTAINED ON ALL DOWN GRADIENT SIDES OF THE CONSTRUCTION SITE AT ALL TIMES DURING CONSTRUCTION. THEY MUST REMAIN IN PLACE UNTIL PERMANENT VEGETATION OR OTHER PERMANENT COVERING OF EXPOSED SOIL IS ESTABLISHED.

26. EROSION CONTROL DEVICES SHOWN ON THIS PLAN MAY BE REMOVED WHEN APPROVED BY THE CITY/STATE INSPECTOR HAS APPROVED THAT PERMANENT STABILIZATION HAS OCCURRED AND ARE NO LONGER REQUIRED.

27. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY OR PERMANENT SOIL STABILIZATION AT THE CONSTRUCTION SITE MUST BE COMPLETED NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. IN THE FOLLOWING SITUATIONS, TEMPORARY STABILIZATION MEASURES ARE NOT REQUIRED:

- A) WHERE THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS OR ADVERSE SOGGY GROUND CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
- B) WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, BUT SOIL DISTURBING ACTIVITIES WILL RESUME WITHIN 14 DAYS.

27. STABILIZATION SHALL OCCUR ACCORDING TO THE SEEDING TABLE IN THE APPROVED SWPPP AND EROSION CONTROL PLANS/DETAILS.

NPDES NOTES:

1. DEVELOPER/CONTRACTOR IS RESPONSIBLE FOR THE IMPLEMENTATION OF THE REQUIREMENTS OF THE ONSITE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) (TITLE) BY (NAME) DATED (DATE); AND THE REQUIREMENTS OF THIS DOCUMENT: ID # _____ THE DEVELOPER/CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL AND MAINTAIN ALL TEMPORARY BEST MANAGEMENT PRACTICES (BMPs), SHOWN IN THE APPROVED EROSION CONTROL PLANS, THROUGHOUT THE TIME OF CONSTRUCTION. A COPY OF THE SWPPP AND THE APPROVED EROSION CONTROL PLANS SHALL BE KEPT AT THE JOB SITE AT ALL TIMES. THE IMPLEMENTATION AND MAINTENANCE OF SITE BMPs IS REQUIRED TO MINIMIZE JOB SITE EROSION AND SEDIMENTATION. BMPs SHALL BE REQUIRED TO REMAIN IN PLACE THROUGHOUT THE YEAR TO MINIMIZE EROSION AND SEDIMENTATION.

2. IMPLEMENT AND MAINTAIN EROSION CONTROL BMPs TO MINIMIZE THE ENTRAINMENT OF SOIL IN RUNOFF FROM DISTURBED SOIL AREAS ON CONSTRUCTION SITES.

3. IMPLEMENT AND MAINTAIN YEAR ROUND SEDIMENT CONTROL BMPs TO MINIMIZE THE TRANSPORT OF SOIL FROM THE CONSTRUCTION SITE.

4. PHASE GRADING TO LIMIT THE AMOUNT OF DISTURBED AREAS EXPOSED TO THE EXTENT FEASIBLE.

5. LIMIT AREAS THAT ARE CLEARED AND GRADED TO ONLY THE PORTION OF THE SITE THAT IS NECESSARY FOR CONSTRUCTION. MANAGE THE CONSTRUCTION SITE TO MINIMIZE THE EXPOSURE TIME OF DISTURBED SOIL AREAS THROUGH PHASING AND SCHEDULING OF GRADING AND THE USE OF TEMPORARY AND PERMANENT SOIL STABILIZATION.

6. AT ANY TIME DURING THE YEAR, STABILIZE SLOPES PRIOR TO A PREDICTED STORM EVENT. ONCE DISTURBED, STABILIZE SLOPES (TEMPORARY OR PERMANENT) IF THEY WILL NOT BE WORKED WITHIN 14 DAYS. RE-VEGETATE CONSTRUCTION SITES AS EARLY AS FEASIBLE AFTER SOIL DISTURBANCE.

7. STEEP SLOPES SHALL BE STABILIZED NO LATER THAN SEVEN DAYS AFTER CONSTRUCTION ACTIVITY ON THE SLOPE HAS TEMPORARILY OR PERMANENTLY CEASED.

8. CONTAIN STOCKPILES OF SOIL TO ELIMINATE OR REDUCE SEDIMENT TRANSPORT FROM THE SITE VIA RUNOFF, VEHICLE TRACKING, OR WIND.

9. MAINTAIN CONSTRUCTION SITES TO ENSURE THAT A STORM DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE. DISCHARGES OTHER THAN STORMWATER (NON-STORMWATER DISCHARGES) ARE PROHIBITED, EXCEPT AS AUTHORIZED BY AN INDIVIDUAL NPDES PERMIT, THE STATEWIDE GENERAL PERMIT-CONSTRUCTION ACTIVITY.

10. CONTAIN RUNOFF FROM EQUIPMENT AND VEHICLE WASHING AT CONSTRUCTION SITE TO PREVENT DISCHARGING TO RECEIVING WATERS OR THE LOCAL STORM DRAIN SYSTEM.

11. IMPLEMENT BMPs FOR CONSTRUCTION-RELATED MATERIALS, WASTES, SPILLS OR RESIDUES TO ELIMINATE OR REDUCE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTIES BY WIND OR RUNOFF.

12. ENSURE CONSTRUCTION CONTRACTORS AND SUBCONTRACTOR PERSONNEL ARE AWARE OF THE REQUIRED BMPs, MAINTENANCE, AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ASSOCIATED CONSTRUCTION STAGING AREAS.

13. MAINTAIN BMPs AT ALL TIMES. INSPECT BMPs PRIOR TO PREDICTED STORM EVENTS, DURING/FOLLOWING STORM EVENTS AND PER THE LOCAL & STATE REQUIREMENTS

14. THE CONTRACTOR MUST IDENTIFY, ON THE PLAN, THE LOCATION OF WASTE CONTAINERS, FUEL STORAGE TANKS, CONCRETE WASHOUT AREAS UNLESS NOTED ON THE PLANS AND ANY OTHER LOCATIONS WHERE HAZARDOUS MATERIALS ARE TO BE STORED.

15. COLLECT AND PROPERLY DISPOSE OF IN TRASH OR RECYCLE BINS AT THE END OF EACH DAY OF CONSTRUCTION ACTIVITY, CONSTRUCTION DEBRIS AND WASTE MATERIALS.

16. 24 HOUR EMERGENCY NPDES CONTACT: FOR THE PERSON RESPONSIBLE FOR IMPLEMENTING, INSPECTING, AND MAINTAINING THE SITE'S EROSION CONTROL BMPs.

Name: _____
Address: _____
Phone: _____

CHANGE OF SUCH PERSON, ADDRESS OR PHONE NUMBER SHALL BE FILED WITHIN 24 HOURS WITH THE CITY OF XXXXXXX ENGINEERING DEPARTMENT AND THE PROJECT INSPECTOR, AND SHALL INCLUDE THE GRADING PERMIT NUMBER.

GRADING NOTES

1. THE CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO EXCAVATION/GRADING/DIGGING BY UTILIZING 811 "CALL BEFORE YOU DIG" AND/OR LOCAL/STATE UTILITY LOCATION SERVICE. CONTRACTOR IS INDEPENDENTLY RESPONSIBLE OF LOCATING UTILITIES HORIZONTALLY AND VERTICALLY BEFORE EXCAVATION BEGINS.

2. INFORMATION PERTAINING TO UNDER GROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS AND FIELD LOCATIONS WHEN POSSIBLE, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS IN ADVANCE OF MACHINE TRENCHING. IF CLEARANCES ARE LESS THAN SPECIFIED ON THESE PLANS OR 18", WHICH EVER IS LESS, CONTACT THE ENGINEER AND THE OWNER/ DEVELOPER PRIOR TO PROCEEDING WITH CONSTRUCTION.

3. ALL GRADES/SPOT ELEVATIONS SHOWN ARE FINISHED GRADES, UNLESS OTHERWISE NOTED ON THE DRAWINGS .

4. ALL STRUCTURES LOCATED WITHIN R.O.W. OR OTHERWISE NOTED ON THE THESE PLANS SHALL BE CONSTRUCTED PER THE HIGHWAY DEPARTMENT STANDARDS. IF STRUCTURE(S) ARE NOT PROTOTYPICAL OR CONSTRUCTION CANNOT BE ACHIEVED CONTRACTOR SHALL SUBMIT SHOP DRAWING TO CALDWELL DESIGN & ENGINEERING,LLC FOR REVIEW AND APPROVAL.

5. CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATION OR REMOVAL OF EXISTING UNDERGROUND UTILITIES SHOWN OR NOT SHOWN AT NO ADDITIONAL COST TO THE OWNER.

6. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES (72 HOURS PRIOR) ON ADJUSTING EXISTING UTILITY LINE(S), PRIOR TO START OF UTILITY WORK.

7. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF SHEETING, SHORING, BRACING AND SPECIAL EXCAVATION MEASURES REQUIRED TO MEET OSHA, FEDERAL, STATE AND LOCAL REGULATIONS PURSUANT TO THE INSTALLATION OF THE WORK INDICATED ON THESE DRAWINGS.

8. ALL STORM DRAIN PIPES ARE MEASURED FROM CENTER OF STRUCTURES AND END OF FLARED END SECTIONS.

9. ALL DISTURBED AREAS AND SLOPES SHALL BE GRADED SMOOTH AND (4") OF TOP SOIL APPLIED. THE AREA SHALL BE SEEDED AND WATERED UNTIL HARDY GRASS GROWTH HAS BEEN ESTABLISHED. (SEE LANDSCAPING GENERAL NOTES FOR SEEDING SPECIFICATIONS)

10. STORM DRAIN PIPE BEDDING SHALL BE INSTALLED PER PLAN/DETAIL SHEETS (SEE DETAIL SHEETS).

11. CONTRACTOR SHALL CONSTRUCT AND MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL (ESC) PRACTICES IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND CONSTRUCTION SCHEDULE. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR IMPLEMENTING THE SWPPP & MAINTAINING EROSION CONTROL MEASURES (ESC) THROUGHOUT THE LIFE OF THE PROJECT.

12. ALL ESC MEASURES SHALL BE PROPERLY MAINTAINED AND IN WORKING CAPACITY TO PREVENT SILT FROM LEAVING THE SITE. ESC MEASURES ARE TO BE IN PLACE TO PREVENT SILT FROM ENTERING (TRACKING) ROADS & ADJACENT PROPERTIES.

13. REMOVE GOOD TOPSOIL FROM AREAS TO BE GRADED AND FILLED, AND PRESERVE IT FOR USE IN FINISHING THE GRADING OF ALL CRITICAL AREAS.

14. SCARIFY AREAS TO RECEIVE TOPSOIL TO A MINIMUM DEPTH OF 5 INCHES BEFORE PLACING TOPSOIL PER OWNER/DEVELOPER, CITY AND/OR HIGHWAY DEPARTMENT STANDARDS AND SPECIFICATIONS

15. CLEAR AND GRUB AREAS TO BE FILLED, REMOVE TREES, VEGETATION, ROOTS, OR OTHER DEBRIS, AND OTHER MATERIALS THAT WOULD AFFECT THE STABILITY OF THE FILL.

16. ENSURE THAT FILL MATERIAL IS FREE OF BRUSH, RUBBISH, ROCKS, LOGS, STUMPS, BUILDING DEBRIS, AND OTHER MATERIALS INAPPROPRIATE FOR CONSTRUCTING STABLE FILLS.

17. DO NOT INCORPORATE FROZEN MATERIAL OR SOFT, MUCK, OR HIGHLY COMPRESSIBLE MATERIALS INTO FILL SLOPES

18. KEEP DIVERSIONS AND OTHER WATER CONVEYANCE MEASURES FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.

19. PERMANENTLY STABILIZE ALL GRADED AREAS AFTER FINAL GRADING IS COMPLETED ON EACH AREA OF THE GRADING PLAN. APPLY TEMPORARY STABILIZATION MEASURES ON ALL GRADED AREAS WHEN WORK IS TO BE INTERRUPTED OR DELAYED 14 DAYS OR LONGER (SEE EROSION CONTROL PLAN(S)).

20. CONTRACTOR SHALL MATCH TOP OF PROPOSED DRAINAGE STRUCTURES WITH PROPOSED GRADES. IF A DISCREPANCY OCCURS BETWEEN PROPOSED GRADES AND PROPOSED STRUCTURE TOPS, THE GRADING SHALL GOVERN. IF THE DISCREPANCY IS MORE THAN 4 INCHES THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD.

21. ALL UTILITIES, INCLUDING STORM SEWER, SHOWN WITHIN PUBLIC EASEMENTS OR RIGHT OF WAYS SHALL BE CONSTRUCTED TO THE GOVERNING AGENCY'S SPECIFICATIONS. ALL OTHER UTILITIES SHALL BE CONSTRUCTED TO THE CLIENT'S OR THE GOVERNING AGENCY'S SPECIFICATIONS, WHICHEVER IS MORE STRINGENT, IF THERE IS A QUESTION AS TO WHICH SPECIFICATIONS SHOULD APPLY THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD.

22. ALL EXISTING STRUCTURES, FENCING, TREES, & ETC., WITHIN CONSTRUCTION AREA SHALL BE REMOVED & DISPOSED OF OFF SITE UNLESS OTHERWISE NOTED TO REMAIN. NO BURNING ON SITE SHALL OCCUR UNLESS APPROVAL FROM LOCAL, STATE AND FEDERAL AGENCIES HAVE BEEN OBTAINED.(SEE DEMOLITION PLAN)

23. ALL DRAINAGE STRUCTURES SHALL BE PRE-CAST.

24. ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND BE INSTALLED ACCORDINGLY (SHALL MEET DOT SPECIFICATIONS AT A MINIMUM).

25. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY (STATE 811 CALL SYSTEM) AND LOCATE ALL UTILITIES PRIOR TO START OF GRADING OPERATIONS. 26. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.

27. GENERAL CONTRACTOR SHALL PROVIDE 2' x 2' x 6" THICK CONCRETE APRON AT ALL CLEANOUTS OUTSIDE OF BUILDING AND IN PAVED AREAS UNLESS LOCAL AGENCY REQUIREMENTS DEEM OTHERWISE.

28. ALL ROOF DRAINS TO BUILDING SHALL END 5' OUTSIDE THE BUILDING LIMITS AND SHALL BE PROVIDED WITH A TEMPORARY PLUG AT THE END. (SEE ARCH. PLANS FOR EXACT SIZE AND LOCATION OF ROOF DRAINS)

29. ALL WORK TO BE DONE IN STRICT ACCORDANCE WITH STANDARD SITE SPECIFICATIONS.

30. CONTRACTOR MUST FOLLOW THE RECOMMENDATIONS IN THE GEOTECHNICAL RECOMMENDATIONS (GEOTECH REPORT) FOR COMPACTION OF ALL EARTHWORK AND UTILITY INSTALLATIONS AND COORDINATE SAME WITH THE LOCAL UTILITY COMPANY(S) AND STATE SPECIFICATIONS. WHEN A PROJECT DOES NOT HAVE GEOTECHNICAL RECOMMENDATIONS TO FOLLOW, THE CONTRACTOR IS TO FOLLOW THE DEPARTMENT OF TRANSPORTATION (DOT) REQUIREMENTS AT A MINIMUM. (THE CONSULTANT IS RELIEVED OF RESPONSIBILITY AND LIABILITY OF THE COMPACTION OF FILL MATERIAL AND RETAINING WALL STRUCTURE DESIGNS.

31. A RED LINE COPY OF THE PLANS WILL BE ON SITE TO NOTE DEVIATIONS OF INSTALLED UTILITIES AND STRUCTURES TO SUPPLY THE OWNER AND LOCAL UTILITY COMPANIES FRO AS-BUILT PURPOSES. (DIGITAL CAD FILES AND HARD COPIES)

32. PROPOSED UTILITY POLES AND/OR RELOCATED UTILITY POLES ARE AT THE SOLE DISCRETION OF THE RESPECTIVE UTILITY COMPANY, REGARDLESS OF THE LOCATIONS ON THE PLAN.

GENERAL NOTES

1. THE CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO EXCAVATION/GRADING/DIGGING BY UTILIZING 811 "CALL BEFORE YOU DIG" AND/OR LOCAL/STATE UTILITY LOCATION SERVICE. CONTRACTOR IS INDEPENDENTLY RESPONSIBLE OF LOCATING UTILITIES HORIZONTALLY AND VERTICALLY BEFORE EXCAVATION BEGINS.

2. INFORMATION PERTAINING TO UNDER GROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS AND FIELD LOCATIONS WHEN POSSIBLE, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS IN ADVANCE OF MACHINE TRENCHING. IF CLEARANCES ARE LESS THAN SPECIFIED ON THESE PLANS OR 18", WHICH EVER IS LESS, CONTACT THE ENGINEER AND THE OWNER/ DEVELOPER PRIOR TO PROCEEDING WITH CONSTRUCTION.

3. ALL DESIGN & CONSTRUCTION FOR WATER, SEWER, FIRE LINES, LIFT STATIONS & BACKFLOW PREVENTION SHALL COMPLY WITH LOCAL UTILITY OWNER. ACTUAL FIELD CONDITIONS MAY DICTATE MORE STRINGENT REQUIREMENTS IF DEEMED NECESSARY BY THE CONSTRUCTION INSPECTOR.

4. DEVELOPER SHALL PROVIDE RECORD DRAWINGS "AS-BUILT PLANS" AND "FINAL PLATS" (IF APPLICABLE) IN HARD COPY AND ELECTRONIC FORMAT, AS WELL AS, RECORD ALL EASEMENTS THAT WILL BE PROVIDED TO LOCAL UTILITY PROVIDER (IF APPLICABLE) FOR APPROVAL OF AS-BUILT PLANS.

5. PROJECTS INVOLVING CONSTRUCTION OF TOWNHOMES AND/OR CONDOMINIUMS ARE REQUIRED TO HAVE INDIVIDUAL METERS.

6. FIELD CHANGES DURING CONSTRUCTION MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY LOCAL UTILITY OWNER BEFORE CHANGES ARE IMPLEMENTED.

7. CONTRACTOR MUST JET CLEAN AND T.V. SANITARY SEWER LINES AFTER CONNECTIONS ARE MADE TO THE EXISTING SEWER TIE-IN POINTS. TRACER WIRE TO BE INSTALLED FOR PVC PIPES.

8. THRUST BLOCKS ARE REQUIRED WHEREVER PIPE CHANGES DIRECTION (TEES, BENDS, ETC.).

9. WATER & SEWER DEPT. REQUIRES THAT A BACKFLOW PREVENTER DEVICE BE INSTALLED (IF CURRENTLY EXISTING) ON EACH DOMESTIC OR FIRE SERVICE LINE, AND ANY OTHER TYPE OF WATER SERVICE CONNECTION.

10. POTABLE WATER MAINS SHALL MAINTAIN A TEN (10') FOOT HORIZONTAL AND EIGHTEEN (18") INCH VERTICAL CLEARANCE FROM NON-POTABLE PIPELINES. VERIFY WITH LOCAL UTILITY OWNER.

11. ALL UTILITIES SHALL BE KEPT 10' (PARALLEL) APART AND 18" VERTICAL CLEARANCE FROM THE OUTSIDE OF THE PIPE TO OUTSIDE PIPE DIAMETER UNLESS OTHERWISE NOTED.

12. GRAVITY SEWER LINE MATERIAL SHALL BE PVC (SDR35) OR DIP (CLASS 350).

13. PROVIDE EASEMENT PLAT & DEED FOR REVIEW FOR ALL SANITARY SEWER AND WATER EASEMENTS. (AFTER CONSTRUCTION AND WITH AS-BUILTS).

14. WATER & SEWER ACCESS FEES NEED TO BE PAID UNDER THE FOLLOWING CIRCUMSTANCES: NEW CONSTRUCTION, RE-DEVELOPMENT, ADDITIONS, CHANGE OF USE, ETC. FAILURE TO SETTLE THESE FEES WILL RESULT IN DELAYS FOR OBTAINING WATER & SEWER PLAN APPROVAL, AS WELL AS CERTIFICATE OF OCCUPANCY/COMPLETION.

15. ON SITE SEWER AND WATER IS PRIVATE.

HUMPHREYS SELF STORAGE

HUMPHREYS SELF STORAGE US-11 RICEVILLE, TN 37370

REVISIONS	DATE



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CDE-PROJECT # 20221

SHEET NAME OVERALL DEVELOPMENT NOTES

SHEET NUMBER

C-0.1

CIVIL ENGINEER

DEVELOPER

PROJECT

OVERALL DEVELOPMENT NOTES





Know what's below.
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SEQUENCING OF ESC INITIAL PLAN

1. CONDUCT PRE-CONSTRUCTION MEETING WITH EROSION CONTROL INSPECTOR.
2. STAKE OUT THE LIMITS OF CONSTRUCTION.
3. PRIOR TO SITE-GRADING ACTIVITIES, THE CONSTRUCTION ENTRANCE WILL BE INSTALLED FOR THE USE OF VEHICLES LEAVING THE SITE TO REDUCE TRACKING SEDIMENT ONTO THE ROADWAY. THE PAVED STREETS ADJACENT TO THE SITE ENTRANCE WILL BE SWEEP AS REQUIRED TO REMOVE ANY EXCESS MUD, DIRT, OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE SHALL BE COVERED WITH TARPULINS.
4. SOIL EROSION CONTROLS WILL BE INSTALLED DOWN SLOPE OF GROUND DISTURBANCE ACTIVITIES AND MOVED FURTHER DOWN SLOPE AS THE GROUND DISTURBANCE ACTIVITY IS EXTENDED. ALL EROSION PREVENTION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES IDENTIFIED IN THIS SWPPP WILL BE INSTALLED AS RECOMMENDED IN THE TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK.
5. INSTALLATION OF SEDIMENT BARRIERS WILL BE COMPLETED AND FUNCTIONAL PRIOR TO GRADE WORK ACTIVITY. INSTALL THE SEDIMENT BASINS AND SEDIMENT TRAPS ALONG WITH RISERS AND OUTLET PIPES AND EMERGENCY SPILLWAYS PER THE PLANS.
6. A STICK/POLE WILL BE PLACED IN THE SEDIMENT BASINS AND SEDIMENT TRAPS TO SHOW THE ELEVATION OF THE 50% LEVEL CAPACITY OF THE WET STAGE TO PROMPT CLEANOUT OF THE BMPS.
7. EXISTING TOP SOIL WITHIN CONSTRUCTION AREA WILL BE REMOVED AND STOCK PILE WITHIN DESIGNATED AREA SPECIFIED BY THE CONTRACTOR. THE STOCKPILE WILL BE STABILIZED BY TEMPORARY STRAW/MATTING, MULCH & SEEDING OR BY MULCH FROM THE SITE.
8. INSTALL DIVERSION DITCHES, DEPICTED ON THE PLANS. DIVERSIONS WILL DIRECT STORMWATER TO CHECK DAMS AND SEDIMENT BASINS & SEDIMENT TRAPS.
9. ALL EROSION CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE REPAIRED BEFORE THE NEXT RAIN EVENT.
10. STABILIZATION WILL OCCUR WITHIN 14 DAYS (7 DAYS FOR SLOPES GREATER THAN 35%) IN AREAS WHERE CONSTRUCTION HAS TEMPORARILY/PERMANENTLY CEASED.
11. THE OUTFALLS/EPSC MEASURES WILL BE INSPECTED AT LEAST TWICE WEEKLY AND AT LEAST 72 HOURS APART.
12. VEGETATION, ESPC(S) AND OTHER PROTECTIVE MEASURES WILL BE REPAIRED, REPLACED, OR MODIFIED WITHIN 7 DAYS.
13. THE BMPS PROPOSED FOR THE SITE HAVE BEEN DESIGNED TO CONTROL STORM RUNOFF GENERATED BY A 5-YEAR, 24-HOUR STORM EVENT.
14. SEDIMENT WILL BE REMOVED FROM SILT FENCES, AND OTHER SEDIMENT CONTROLS BEFORE THE DESIGN CAPACITY OF THE STRUCTURE HAS BEEN REDUCED BY 50%. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORM WATER WILL BE PICKED UP PRIOR TO ANTICIPATED STORM EVENTS, OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORM WATER DISCHARGES (I.E. SCREENING OUTFALLS, DAILY PICK-UP, ETC).

NOTE:
OWNER/DEVELOPER/CONTRACTOR IS RESPONSIBLE FOR ENSURING THE BEST MANAGEMENT PRACTICES (BMP) ARE INSTALLED BEFORE WORK BEGINS AND MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.

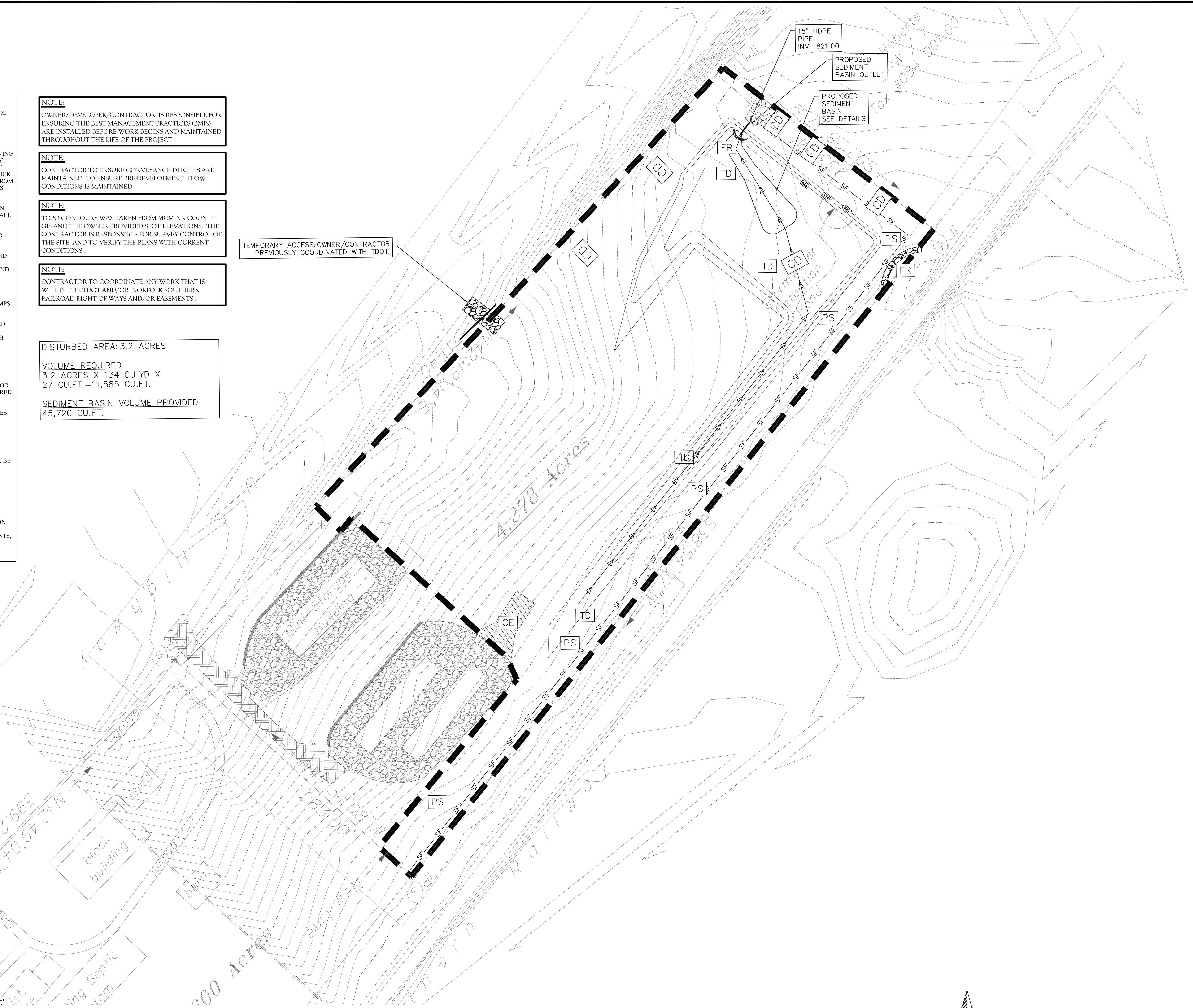
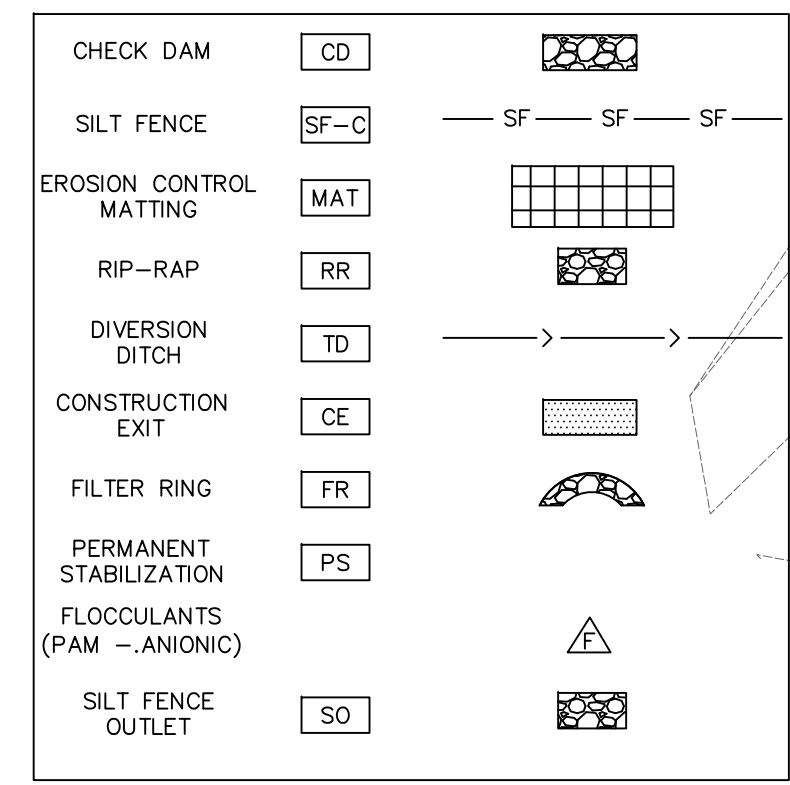
NOTE:
CONTRACTOR TO ENSURE CONVEYANCE DITCHES ARE MAINTAINED TO ENSURE PRE-DEVELOPMENT FLOW CONDITIONS IS MAINTAINED.

NOTE:
TOPO CONTOURS WAS TAKEN FROM MCMINN COUNTY GIS AND THE OWNER PROVIDED SPOT ELEVATIONS. THE CONTRACTOR IS RESPONSIBLE FOR SURVEY CONTROL OF THE SITE, AND TO VERIFY THE PLANS WITH CURRENT CONDITIONS.

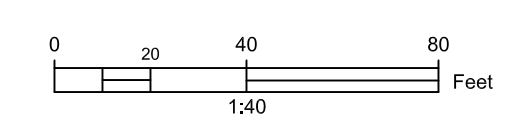
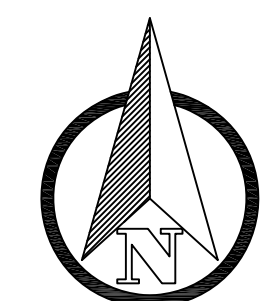
NOTE:
CONTRACTOR TO COORDINATE ANY WORK THAT IS WITHIN THE TDOT AND/OR NORFOLK SOUTHERN RAILROAD RIGHT OF WAYS AND/OR EASEMENTS.

DISTURBED AREA: 3.2 ACRES
VOLUME REQUIRED
3.2 ACRES X 134 CU.YD X
27 CU.FT.=11,585 CU.FT.
SEDIMENT BASIN VOLUME PROVIDED
45,720 CU.FT.

TEMPORARY ACCESS: OWNER/CONTRACTOR PREVIOUSLY COORDINATED WITH TDOT.



EROSION & SEDIMENTATION CONTROL PLAN - INITIAL STAGE

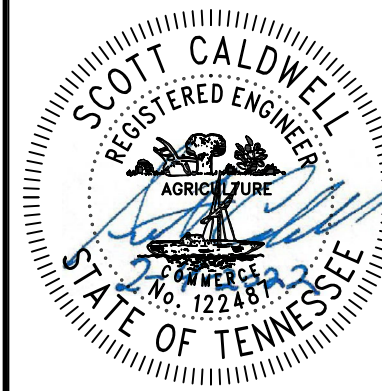


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HUMPHREYS SELF STORAGE

HUMPHREYS SELF STORAGE
US-11 RICEVILLE, TN 37370

REVISIONS	DATE



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SCALE	1:20

CDE-PROJECT # 20221

SHEET NAME
EROSION & SEDIMENTATION CONTROL PLAN - INITIAL

SHEET NUMBER
C-2.0



Know what's below.
Call before you dig.

SEQUENCING OF FINAL ESC PLAN

1. UTILIZE FLOCCULANT PRODUCTS PER THE MANUFACTORY'S RECOMMENDATIONS. FLOCCULANT PRODUCTS ARE TO BE ANIONIC TYPE AND MEET THE TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK.
2. DURING THE FINAL PLAN OF THE OVERALL ESC PLAN OF THE GRADING WILL BE COMPLETED AND BMPs WILL BE MAINTAINED AND CLEANED OUT TO THE ORIGINAL CAPACITY OF INITIAL INSTALLATION.
3. STABILIZE FINISHED GRADE AND SLOPES WITH PERMANENT SEEDING/MULCH.
4. STABILIZATION METHODS MAY INCLUDE SEED AND MULCH, RIP-RAP, OR SEED AND EROSION CONTROL BLANKETS.
5. STABILIZATION WILL OCCUR WITHIN 14 DAYS (7 DAYS FOR SLOPES GREATER THAN 35%) IN AREAS WHERE CONSTRUCTION HAS TEMPORARILY/PERMANENTLY CEASED.
6. THE OUTFALLS/EPSC MEASURES WILL BE INSPECTED AT LEAST TWICE WEEKLY AND AT LEAST 72 HOURS APART.
7. VEGETATION, EPSCs AND OTHER PROTECTIVE MEASURES WILL BE REPAIRED, REPLACED, OR MODIFIED WITHIN 7 DAYS.
8. THE EPSCs PROPOSED FOR THE SITE HAVE BEEN DESIGNED TO CONTROL STORM RUNOFF GENERATED BY A 5-YEAR, 24-HOUR STORM EVENT.
9. PERMANENT SOIL STABILIZATION SHALL BE APPLIED AS SOON AS POSSIBLE AFTER FINAL GRADING.
10. THE DEVELOPER/CONTRACTOR IS SOLELY RESPONSIBLE FOR MAINTAINING THE IMPLEMENTATION AND MAINTENANCE/CLEANLINESS OF THE SITE PER THE ESC PLANS AND "TENNESSEE EROSION AND SEDIMENTATION CONTROL HANDBOOK"
11. THIS ESC PLAN IS THE MINIMAL REQUIREMENTS FOR THE GRUBBING/ GRADING OPERATIONS. ADJUSTMENTS TO THE ESC PLAN MAY BE REQUIRED IF UNFORESEEN SITE CONDITIONS/WEATHER OCCUR.

NOTE:
OWNER/DEVELOPER/CONTRACTOR IS RESPONSIBLE FOR ENSURING THE BEST MANAGEMENT PRACTICES (BMP) ARE INSTALLED BEFORE WORK BEGINS AND MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.

NOTE:
CONTRACTOR TO ENSURE CONVEYANCE DITCHES ARE MAINTAINED TO ENSURE PRE-DEVELOPMENT FLOW CONDITIONS IS MAINTAINED.

NOTE:
TOPO CONTOURS WAS TAKEN FROM MCMINN COUNTY GIS AND THE OWNER PROVIDED SPOT ELEVATIONS. THE CONTRACTOR IS RESPONSIBLE FOR SURVEY CONTROL OF THE SITE, AND TO VERIFY THE PLANS WITH CURRENT CONDITIONS.

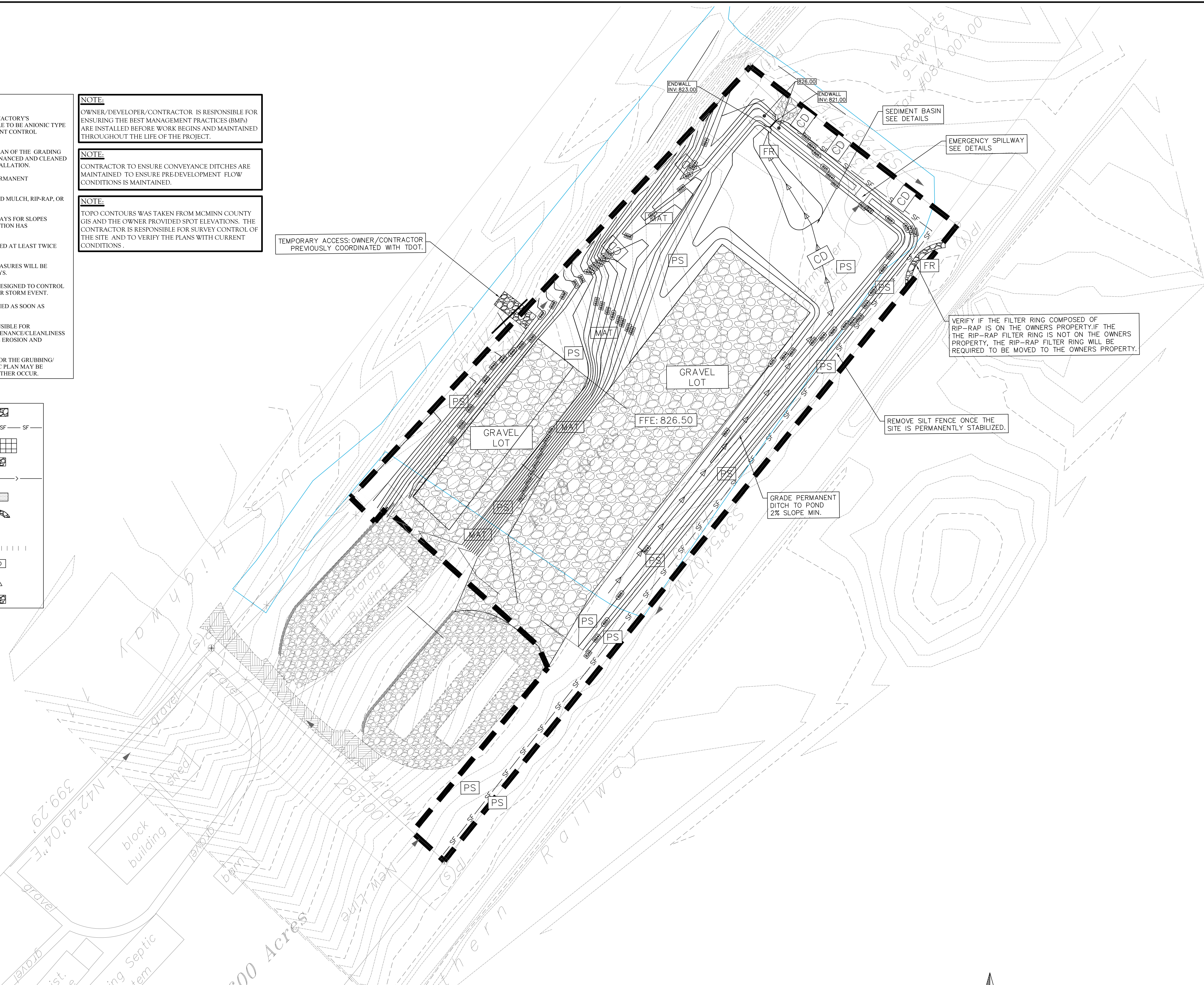
TEMPORARY ACCESS: OWNER/CONTRACTOR PREVIOUSLY COORDINATED WITH TDOT.

VERIFY IF THE FILTER RING COMPOSED OF RIP-RAP IS ON THE OWNERS PROPERTY. IF THE RIP-RAP FILTER RING IS NOT ON THE OWNERS PROPERTY, THE RIP-RAP FILTER RING WILL BE REQUIRED TO BE MOVED TO THE OWNERS PROPERTY.

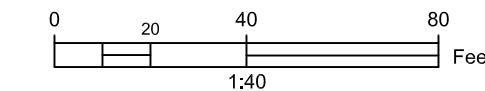
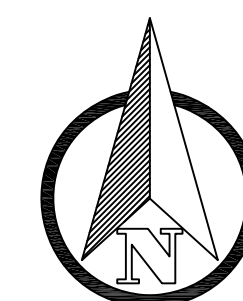
REMOVE SILT FENCE ONCE THE SITE IS PERMANENTLY STABILIZED.

GRADE PERMANENT DITCH TO POND 2% SLOPE MIN.

CHECK DAM	CD	
SILT FENCE	SF-C	
EROSION CONTROL MATTING	MAT	
RIP-RAP	RR	
DIVERSION DITCH	TD	
CONSTRUCTION EXIT	CE	
FILTER RING	FR	
PERMANENT STABILIZATION	PS	
FILTER BERM	FBERM	
MULCH FROM SITE	MO	
FLOCCULANTS (PAM - ANIONIC)		
SILT FENCE OUTLET	SO	



EROSION & SEDIMENTATION CONTROL PLAN - FINAL STAGE

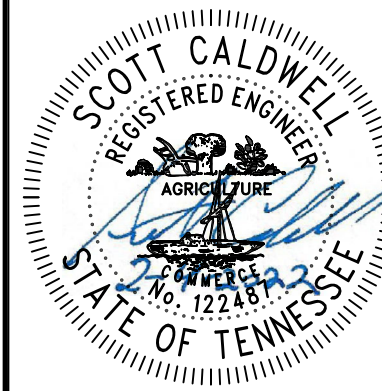


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PROJECT

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CDE-PROJECT # 20221
SHEET NAME
EROSION & SEDIMENTATION CONTROL PLAN - FINAL

SHEET NUMBER
C-2.1

