RECORDS AVAILABILITY AND RETENTION

1. The primary permittee shall retain the following records at the construction site or the records shall be readily available at a designated alternate location from commencement of construction until such time as a NOT is submitted in accordance with Part 8 of the Permit: (6.1)

   a. A copy of Notice of Intent submitted, and of Notice of Coverage received from TDEC;
   b. Copies of Storm Water Pollution Prevention Plans and Erosion Prevention and Sediment Control Plans;
   c. A copy of the NPDES Permit TNR 100000.
   d. A copy of the qualified Inspector's certification, or training record for inspector certification. (3.5.8.1)
   e. Records of dates when major grading activities occur; dates when construction activities temporarily or permanently cease on a portion of the site; dates when stabilization measures are initiated; inspection records, and rainfall records. (3.5.3.1.m)

   Permitees with day-to-day operational control over SWPPP implementation shall have a copy of the SWPPP available at a central location onsite for the use of all operators and those responsible under the plan whenever they are on the construction site.

2. The permittee shall make updated plans and inspection reports available upon request to the director; the local agency approving erosion prevention and sediment control plans, grading plans, land disturbance plans or stormwater management plans; or the operator of an MS4. (3.3.2)

3. A copy of the current version of the SWPPP shall be retained on-site at the location which generates the stormwater discharge in accordance with Part 6 of the Permit. If the site is inactive or does not have an onsite location adequate to store the SWPPP, the location of the SWPPP, along with a contact phone number, shall be posted on-site. If the SWPPP is located offsite, reasonable local access to the plan, during normal working hours, must be provided. (3.3.3)

4. SWPPP modifications and updates must be made under any of the following conditions: (3.4.1)
   a. Change in scope with significant effect not previously addressed;
   b. Whenever inspections ro investigations indicate ineffective measures or non achievement of general objectives
   c. Whenever necessary to prevent a negative impact to legally protected state or federally listed fauna or flora, etc.
   d. Whenever a TMDL is developed for the receiving waters for a pollutant of concern.

4. The permitee 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 was submitted. This period may be extended by written request of the director. (6.2)

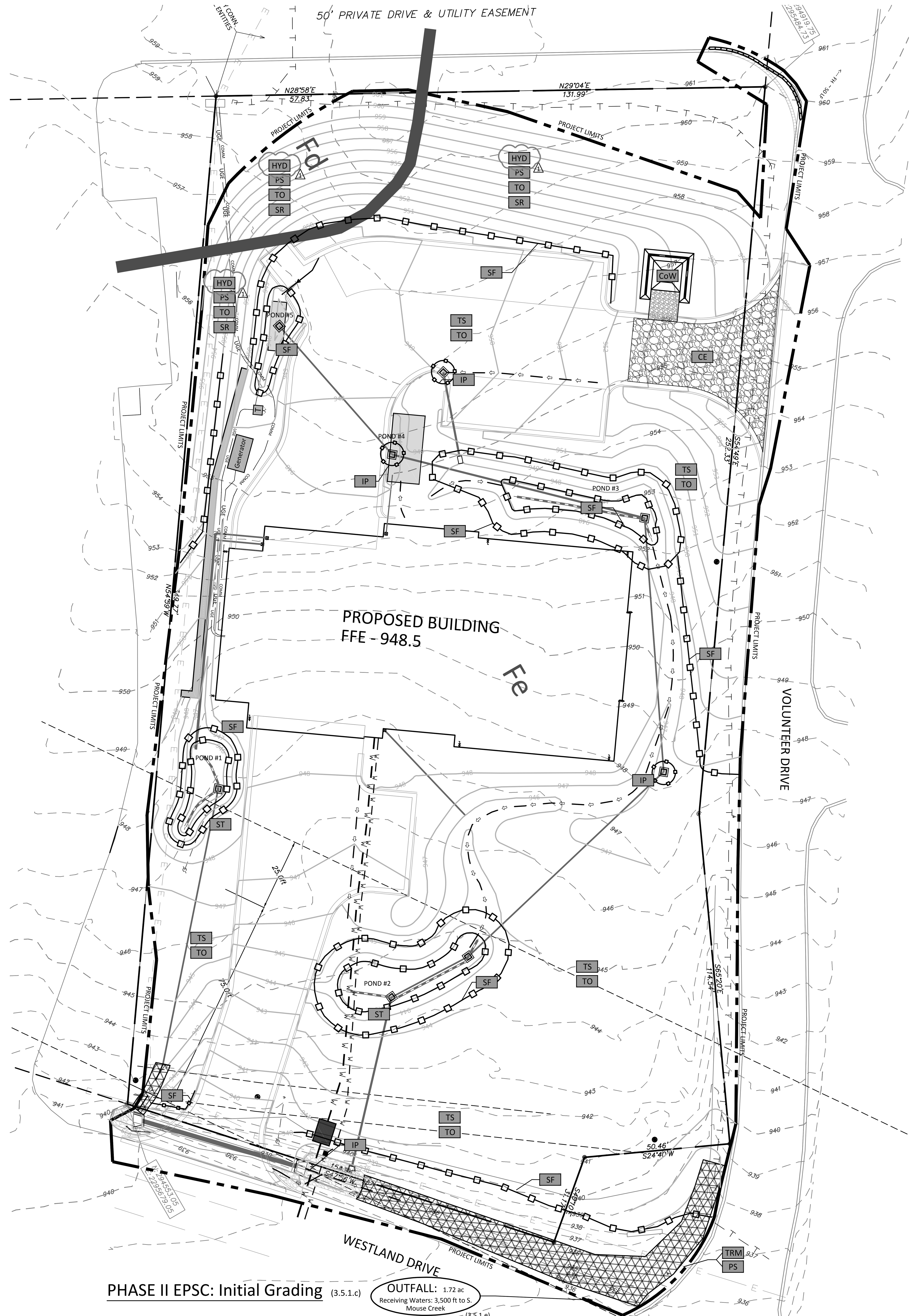
Hydroseeding: A hydraulically applied mixture containing mulch, tackifiers, soil amendments and/or seed in a water based slurry, applied to slopes to establish of vegetation. Hydro applications include hydroseeding, hydromulching, and bonded fiber matrix applications.

Construction Specifications

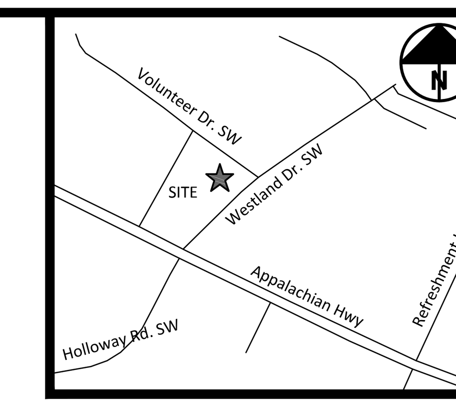
1. Apply the specified hydroseed/hydromulch/BFM uniformly leaving no visible soil. To aid in visually verifying the correct application, a dye is typically added to the mixture. To ensure the proper application rate, mark off a section on the ground, such as a 1,000 sf area, and calibrate the sprayer to apply the correct seeding rate for 1,000 sf.
2. Apply hydromulch/BFM within 24 hours of seed application. Do not apply any type of hydraulic seeding or mulching during high wind conditions or very dry conditions.
3. Prohibit foot, equipment and vehicle traffic across the area after application.
4. Hydraulic equipment and adequate water supply are necessary.

HYD **HYDROSEEDING**
NTS

1



PHASE II EPSC: Initial Grading (3.5.1.c)



VICINITY MAP - NTS

EROSION CONTROL LEGEND

— — —	PROJECT LIMITS
CE	CONSTRUCTION EXIT
CoW	CONCRETE WASH-OUT AREA
IP	INLET PROTECTION
OP	OUTLET PROTECTION
PS	PERMANENT SEEDING
TS	TEMPORARY SEEDING
TO	TOP SOIL
SR	SURFACE ROUGHENING
SF	SILT FENCE
ST	TEMPORARY SEDIMENT TRAP
TUBE	TUBES OR WADDLES
HYD	HYDRO-SEED

SITE & CONTACT NOTES

1. Site Address: 2190 Westland Dr. Cleveland, TN 37311
2. Owner: City of Cleveland
   Contact: Jonathan Jobe
   Phone: (423)-559-3330, (423)-593-0432 (mob.)
3. Nearest Cross-street: 174 Refreshment Ln SW, Cleveland, TN 37311
4. Parcel Number: 057 018.21
5. Zoning: R-2
6. Parcel Area: 1.62 acres
   Area Disturbed: 1.72 acres
   Pre-Constr. Impervious: 0 acres
   Post-Constr. Impervious: 0.62 ac (36%)
7. Flood Elevation (100yr): Property does not appear to lie in the 100 yr. flood zone as per FIRM Map No. 47011C0119E, dated February 2, 2007.
8. TOPO SURVEY: Topographic Survey provided by Medders Surveying on 12/12/16 (Proj No. 16-243). The Contractor is responsible for verifying control/benchmarks shown on Topographic Survey before construction begins.
9. EROSION CONTROL:
   Owner's representative: Jonathan Jobe
   Phone: 423-559-3330
10. **Citations in parenthesis indicate Sections of the current NPDES Construction General Permit.**

TEMPORARY SEEDING

Temporary Seeding for Late Winter & Early Spring	Temporary Seeding for Summer	Temporary Seeding for Fall
Species / **Rate (lb/acre)** Rye 120	**Species** / **Rate (lb/acre)** Oats 60 Brown top millet 30	**Species** / **Rate (lb/acre)** Oats 30 Winter wheat 30
Seeding dates Feb. 1- May 1	**Seeding dates** May 15 - Aug. 15	**Seeding dates** Aug 15 - Dec 15
Soil amendments Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10-10-10 fertilizer.	**Soil amendments** Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10-10-10 fertilizer.	**Soil amendments** Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10-10-10 fertilizer.
Mulch Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.	**Mulch** Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.	**Mulch** Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.
Maintenance Refertilize if growth is not fully adequate. Reseed, refertilize and mulch immediately following erosion or other damage.	**Maintenance** Refertilize if growth is not fully adequate. Reseed, refertilize and mulch immediately following erosion or other damage.	**Maintenance** Refertilize if growth is not fully adequate. Reseed, refertilize and mulch immediately following erosion or other damage. If necessary to extend temporary cover beyond June 15, overseed with 50 lb/ac crimson clover in late February or early March.

TS **TEMPORARY SEEDING**
NTS

PS SEE LANDSCAPE PLANS FOR PERMANENT SEEDING SPECIES AND AREAS.

PHASE II EPSC: Intermediate (3.5.1.c)

INTERMEDIATE PHASE EPSC SCHEDULE (3.5.2)

1. BEGIN SITE MASS GRADING.
2. STABILIZE FINISHED SLOPES WITH PERMANENT SEEDING.
3. INSTALL UTILITIES (STORM, SANITARY, ELECTRIC, AND WATER) AND INSTALL APPROPRIATE TEMPORARY INLET/OUTLET PROTECTION.
4. SHAPE ROADSIDE SWALE ALONG WESTLAND DR. AND STABILIZE.
5. INSTALL DETENTION PONDS AND FILTRATION SYSTEMS.
6. CONVERT TEMPORARY SEDIMENT TRAPS TO DETENTION PONDS/FILTRATION SYSTEMS.
7. INSTALL SEDIMENT BARRIERS AROUND COMPLETED PONDS.
8. PERFORM BUILDING CONSTRUCTION.
9. MAINTAIN TEMPORARY GRASSING AND PERM GRASSING @14 DAY INTERVALS, SILT FENCE, AND CONSTRUCTION ENTRANCE PER THIS PLAN AS THE GRADING PROGRESSES.

ENGINEER'S CERTIFICATION STATEMENTS FOR SITES DISCHARGING INTO IMPAIRED OR EXCEPTIONAL TN WATERS:

1. The erosion prevention and sediment controls used at the site have been designed to control storm runoff generated by a 5-year, 24-hour storm event.
2. The SWPPP has been prepared by a TDEC Level II designer/engineer: Jan C. Pass, PE

Know what's below. Call before you dig.

1" = 20'
0 20' 40' 60'

passpointe ENGINEERING
2719 Hickory Valley Road, Suite B
Chattanooga, TN 37421
423-451-6601
janpass@passpointe.com

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CITY OF CLEVELAND
FIRE HALL #6
2190 WESTLAND DRIVE, CLEVELAND, TENNESSEE 37311

REVISION SCHEDULE

MARK	DATE	DESCRIPTION
1	06/01/17	Add Hydroseeding on bank

RELEASE DATE: 03-10-17
PROJECT NO: 16077 (PPE # 16-053)
DRAWN BY: JCP
CHECKED BY: JDM

SHEET DESCRIPTION
EROSION PREVENTION & SEDIMENT CONTROL PHASE II

C1.2