



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: 5-5-17 Staff Review Completion Date: 5-30-17 New NPDES Tracking Number: TNR 1930 MS4 Jurisdiction: _____
 Reviewer: April Caudill # of Disturbed Acres: 2.5 Site/Project Name: Moore Farms
 Impaired Waters: Yes No Exceptional Waters: Yes No T & E Species: Yes No (Add comments below) 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	Start/End Dates listed	CGP pg #
Yes	Correct site-wide permittee (Owner/Developer) entity name included	<input checked="" type="checkbox"/>	<input type="checkbox"/>		1
Yes	Proper signature for the owner/developer provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Disturbed acreage given	13
Yes	Receiving waters listed <u>Dry Creek</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Latitude/Longitude given and is	13, 14
Yes	ARAP Required? <input type="checkbox"/> ARAP #(s): _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Correct County(ies) listed <u>Weaver's</u>	14
Yes	Appropriate portion of USGS topo map provided showing the boundaries of the construction site [2.6.2]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	County(ies): _____	15
SWPPP Requirements					
Yes	N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>		1
Yes	"Common Plan of Development"/Site Concept Plan has been provided [1.2.1]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		13
Yes	Plans and specs for structural control measures have been prepared and stamped by Professional Engineer or Landscape Architect [3.1.1]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		13, 14
Yes	Includes engineering design of sediment basin/controls for projects 10 acres or greater (5 acres if impaired/exceptional waters) [3.1.1]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		14
Yes	Includes Assurance Site Assessment requirement criteria if applicable [3.1.2]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		15
Yes	Signed by the operator(s) [3.3.1]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		18
Yes	Includes multi-phase sheets: <5 ac. - 2-phase plan min.; ≥5 ac. - 3-phase plan min. [3.5.2]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		17
Yes	Depicts disturbance limits, buffer zones, watershed drainage patterns/acreage, and proposed contours/slopes [3.5.1.d&g; 4.1.1]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		17
Yes	Includes a description of all construction activity (not just grading and street construction). [3.5.1.a]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		17
Yes	Includes a description sequence of major activities (e.g., grubbing, excavation, grading, utilities, and infrastructure installation, etc.) [3.5.1.b]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		17
Yes	Includes estimates of the total site area versus the total area of the site to be disturbed [3.5.1.c]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		17
Yes	Includes a complete inventory of aquatic resources (including any stream, sinkhole or wetland) on or adjacent to the project [3.5.1.i]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		17
Yes	Includes a description of appropriate erosion prevention and sediment controls (EPSCs) and the general timing of implementation [3.5.2]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		18
Yes	Specifies which permittee is responsible for implementation of which EPSC [3.5.2]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		18
Yes	Specifies removal of trapped sediment from sediment controls at or before 50% design capacity [3.5.3.1.e]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		19
Yes	Specifies EPSCs will be implemented before earth-moving begins [3.5.3.1.f]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		20
Yes	Specifies stabilization within 15 days (7 days for ≥35% slopes) on site area where construction has temporarily/permanently ceased [3.5.3.2]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		21
Yes	Specifies inspections of outfalls/EPSC measures at least twice weekly and at least 72 hours apart [3.5.8.2.a]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		24
Yes	Specifies that vegetation, EPSCs & other protective measures are repaired, replaced, or modified within 7 days [3.5.7; 3.5.8.2.a]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		23, 24
Yes	Depicts the proposed location of all major structural/nonstructural controls and all proposed stabilization practices [3.5.1.g; 3.5.3.3]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		18
Yes	Identifies all outfall locations intended for coverage under the CGP [3.5.1.g]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		17
Yes	Includes the name of the receiving water(s), and approximate size and location of affected wetland acreage at the site [3.5.1.j]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		17
Yes	Identifies construction phasing for activities that will disturb >50 acres [3.5.1.m & 3.5.3.1.k]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		20
Yes	EPSCs have been designed to control the rainfall and runoff from a 2-year, 24-hour return interval storm [3.5.3.3]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		21
Yes	Specifies sediment basins for construction sites with drainage areas >10 acres [3.5.3.3]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		22
Yes	Specifies a 30' natural riparian buffer zone adjacent to all streams, lakes, wetlands on/adjacent to the construction site [4.1.2]	<input checked="" type="checkbox"/>	<input type="checkbox"/>		26

36. 295845 - 88. 613744

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	CGP pg #
		✓	Specifies velocity dissipation devices at discharge locations and along the length of any outfall channel [3.5.4]	22
		✓	Includes technical basis used to select velocity dissipation devices where flows exceed predevelopment levels [3.5.4]	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://107.20.228.18/Wetlands/WetlandsMapper.html#>)

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

Comments

Firebelly Darter (Etheostoma pyrrhogaster)



**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
ENVIRONMENTAL FIELD OFFICE**

**1625 Hollywood Drive
Jackson, TN 38305**

(731)512-1300 STATEWIDE 1-888-891-8332 (731)661-6283

Receipt: EAC-J-6691

Date of Receipt: 05-May-2017 9:16 am

Created By: Brandy Spragins (BG51014)

County: Weakley

EFO/Office: Jackson Field Office

Received From: Ben Moore

Company/Affiliation:

Recipient Address: 270 Watts Rd.
DRESDEN, TN- 38225

Amount Received: \$250.00

Method of Payment: CHECK

Check Number: 4355

Comments: TNR 121936

Division	Description	TDEC Code	Quantity	Unit Price	Line Total
WPC	WPC-NOI \$250 Permit Application	43.340.F02	1	\$250.00	\$250.00

Receipt Total: \$250.00



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Water Pollution Control
6th Floor Annex, L&C Tower, 401 Church Street, Nashville, Tennessee 37243
1-888-891-8332 (TDEC)

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

Form section containing site information: Site or Project Name: Moore Farms; NPDES Tracking Number: TNR; Street Address or Location: 3127 Paris Highway 54; Site Description: Crop Field; County(ies): Weakley; MS4 Jurisdiction; Receiving waters: Dry Creek; Attach the SWPPP with the NOI [X] SWPPP Attached; Attach a site location map [X] Map Attached.

Name of Site Owner or Developer (Site-Wide Permittee): (person, company, or legal entity that has operational or design control over construction plans and specifications): Ben Moore

Contact information for Ben Moore: Site Owner or Developer Contact Name: Ben Moore; Title or Position: Owner; Mailing Address: 270 Watts Rd; City: Dresden; State: TN; Zip: 38225; Phone: (731) 514-4790; E-mail: jen.moore@hotmail.com

Contact information for Danny Ham: Optional Contact: Danny Ham; Title or Position: Enterprise Risk Manager; Mailing Address: 1586 Atlantic Ave; City: Henry; State: Tn; Zip: 38231; Phone: (731) 693-4631; E-mail: dham@toshfarms.net

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.

Signature and Date for Owner or Developer: Ben Moore, 4-24-17

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.

Signature and Date for Contractor: Josh D. Parker, 4/19/2017

OFFICIAL STATE USE ONLY
Received Date: 5-5-17; Reviewer: April Gaudin; Field Office: JEFD; Permit Number: TNR 121936; Exceptional TN Water: NO; Fee(s): 250.00; T & E Aquatic Flora and Fauna: Firebelly Darter (Etheostoma pyrrhogaster); Impaired Receiving Stream: YES; 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). There is no fee for sites less than 1 acre.

Acres Disturbed	= or > 150 acres	= or > 50 < 150 acres	= or > 5 < 50 acres	= or > 1 < 5 acres
Fee	\$7,500	\$4,000	\$1,000	\$250

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.

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	540 McCallie Avenue STE 550	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

Storm Water Pollution Prevention Plan
For

Ben Moore

4-19-2017

Description:

This plan is for 2.5 acres of a 35 acre field for the evacuation of two pits 105 feet by 205 feet for the construction of two 2480 head hog barns and the surrounding area to store removed soil. The drainage will flow 2230 feet through field and woods before entering Dry Creek. After excavation Two 100 ft by 200 ft hog barns will be built. When the barns are finished the area will be graded to no more than 2% and sown in grasses. The soil is expected to be silt loam, which presents dissolved solid problems in the runoff. Fabric fencing and the groundcover will provide control of this problem.

First all silt fencing will be put into place, once control measures are in place the pits will be excavated and the concrete will be poured.

After the concrete is finished dirt will be moved back around the walls for final grading before being stabilized and sown in grass.

The SWPPP and NOC will be located at the entrance to the worksite.

There are no other industrial discharges on site.

No chemicals or other waste materials will be stored on site.

There will be no onsite waste disposal or septic system

There is no off site material storage

All areas will be stabilized after dirt work has stopped temporarily or permanently for more than 14 days.

Preexisting vegetative ground cover will not be disturbed more than 14 days prior to earth disturbance.

Endangered species should not be affected due to the fact that there is no likely presence of threatened or endangered species in a one mile radius and no threatened or endangered species downstream. There are no exceptional waters that this site could impact.

Runoff Problems:

Fabric fencing will be placed within 50 feet of the work area before the evacuation work begins. This fencing will be placed along the South and East slopes of the work site. An on demand inventory system will be used and will prevent the development of an onsite runoff problem from storage areas. A field road from existing driveway off Hwy 54 and a parking area will be

built with rock and gravel. Most traffic limited to dry times because of weight problems. Construction equipment will be on site until work is completed then moved to other work sites which will limit off site tracking of soils, all other traffic will be personal cars of workers and expected to park on graveled areas.

The area will be sloped 1% to provide drainage and eliminate the need to dewater. Drainage from the work area will become sheet runoff and follow the path of site runoff through the fabric fence and groundcover.

Water accumulated in excavated pits will be removed through field tile to be released inside the site's sediment control structures.

All liter debris and chemicals will be removed and placed in secure locations before any anticipated storm event.

Sediments that have migrated off site will be removed to minimize impact to surface waters.

Structures:

Fabric fencing will be placed in a 4 inch trench 6 inches wide, 3 inches of the fabric will be placed on the trench floor and the trench backfilled and tamped to insure stability, post will then be placed at 6 foot intervals and the fabric attached. Existing groundcover below the fabric fence will be left in place.

All accumulated sediments will be removed by hand if and when they reach 50% capacity of the silt fencing before the next rainfall event and before no longer than 7 days.

All repairs to sediment control structures will be carried out before the next rainfall event and before no longer than 7 days.

Permittee is responsible for implementation and upkeep of control measures

Any fill dirt used in the project will be coming from on site

Post Construction Storm Water Control:

When completed there will be two 100 feet by 200 feet hog barns. After final grading all remaining disturbed areas adjacent to the barns will be sown in grasses and the drip line of the building will be rocked with 1.5 inch or larger stone to control erosion. All areas within the site where soil is taken from to build up the pad will be sown in grasses when the work is finished. There should be no net change in the quality of runoff from the site.

Using the Rational Method the Runoff Coefficient is:

$$Q=Cia$$

C: 0.52

i: 0.158 inch/hour

a: 2.5

$$Q = 0.2054 \text{ ft}^3/\text{s (cfs)}$$

Soil removed during construction that was stockpiled on site will be redistributed around d the barns

Inspections:

Inspections will be conducted twice weekly by Danny Ham on Mondays and Thursdays then after any rainfall that produces runoff. Onsite workers will be instructed by the owner-developer to remove any accumulated soils whenever they present a danger of collapsing the fence and make repairs if there is any damage.

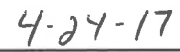
Revisions:

Any revisions to this plan will be incorporated as needed. If material changes are made to structures or barn design copies will be forwarded to the Jackson FO of the TN DWPC.

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.



Sign



Date



1 = Barn #1  = Runoff Direction

2 = Barn #2

3 = Soil Stockpile

 = Fabric Fence

.30 Acres Flow Onto Site





1 = Barn 1

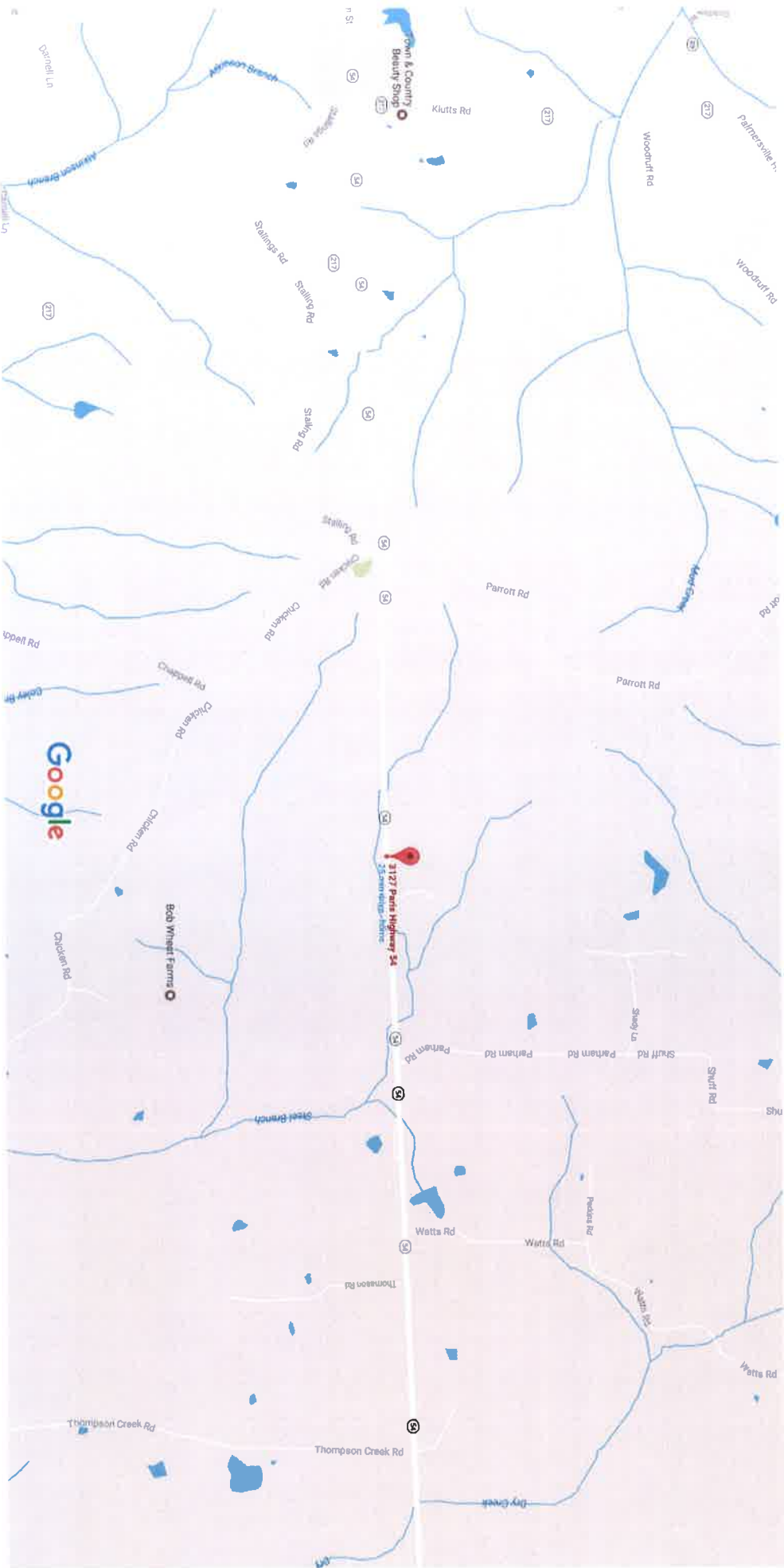
2 = Barn 2

 = Gravel

 = Sown Grass



Google Maps 3127 Paris Hwy 54



Map data ©2017 Google

