

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES WASTEWATER PERMIT

NO PERMIT(S) FOR CONSTRUCTION, LOCATION OR RELOCATION ACTIVITY SHALL BE ISSUED UNTIL AN
AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION AUTHORIZATION HAS BEEN ISSUED

***PERMIT VOID IF NOT IN COMPLIANCE WITH ZONING REGULATIONS AND/OR IF SITE IS ALTERED OR
INTENDED USE CHANGED***

CONSTRUCTION AUTHORIZATION PERMIT**PERMIT # WRP-072713-2021****APPLICATION DATE:** 12/22/2021**BLDG. PERMIT#:** RBPR-072412-2021**PIN:** 1787479934**RECORDED:** Yes**TOWNSHIP:** 09 - Little River**JURISDICTION:** Wake County**ZONING:** R-80W

APPLICANT: MATT BALDWIN HOMES
4009 Graham Sherron RD
Wake Forest, NC 27587

BUSINESS PHONE: (919) 633-0687**HOME PHONE:****MOBILE PHONE:** (919) 633-0687**HD USE:** 101A CONVENTIONAL ONE-FAMILY HOUSE**EXISTING USE:****SITE ADDRESS:** 3717 DOYLE RD**SUBDIVISION:** FRED PRIVETTE**LOT:** 10**ACRES:** 2.10**DIRECTIONS:** Doyle road shows on GPS

Contractors shall install system on contour. See attached SITE PLAN for wastewater system design and well location. No underground utilities, water lines or sprinklers systems may be located in the original system, or permit areas. A septic tank filter with two risers for access is required. The wastewater system shall not be covered or placed into use until inspected by the Wake County Department of Environmental Services and Operations Permit issued. An Accepted Status System may be used in place of conventional system, if it can be placed in the permitted/authorized trench footprint (except reduction in line length and/or number as allowed for in approval) and the installation in accordance with the accepted system approval, without unauthorized product alteration. If permit required use of an Accepted Status System, substitution with another accepted status system may be made, as long as no changes are necessary in the location of each nitrifications line (including any increase in line length), trench depth or effluent distribution method. If changes are necessary, prior approval by this office is required before system installation. Maximum depth of line is calculated using the downhill side of the trench and includes slope correction.

CONSTRUCTION AUTHORIZATION PERMIT VALID FOR: Five Years**CONSTRUCTION AUTHORIZATION PERMIT: CA STATUS:** Issued**BY:** Andrew Thore**DATE:** 04/27/2022**CA VALID FOR:** Five Years**DESIGN FLOW:** 600 GALLONS**BASEMENT:** No**BASEMENT FIXTURES:** No**SEPTIC TANK:** 1500 GALLONS**SEPTIC TANK FILTER:** Yes**DOSING PUMP TANK:****DOSING PUMP TANK FILTER:****GREASE TRAP:****GREASE TRAP FILTER:****RECIRCULATION PUMP TANK:****RECIRCULATION PUMP TANK FILTER:****PROPOSED SYSTEM:** 0.25 - 25% Reduction (Innovative or Accepted)**EXISTING SYSTEM:** No**DRAINFIELD SQ. FT:** 900**AGGREGATE DEPTH:** 12**MAX. TRENCH DEPTH:** 18 INCHES**DISTRIBUTION DEVICE:** GP - Gravity Parallel**TRENCH #:** 3**TRENCH LENGTH:** 100 FEET**TRENCH WIDTH:** 36 INCHES**TOTAL TRENCH LENGTH:** 300 FEET**CENTER SPACING:** 9 FEET**MINIMUM SOIL COVER:** 6 INCHES**PRETREATMENT:****APPROVAL #:**

SUBFIELDS #:

PUMP TDH:

PUMP DESIGN FLOW:

ZONE VALVE: No

ASDMS REQUIRED: No

LINE OF CREDIT REQUIRED: No

OPERATOR REQUIRED: No

P.E. SIGN OFF/ASBUILT REQUIRED: No

TRIPARTY AGREEMENT REQUIRED: No

SPECIFIC CONSTRUCTION AUTHORIZATION REQUIREMENTS:

- System designed for 5 bedroom home, having 600 gallons per day.
- Future repair is a IIG system with a maximum trench depth of 18 inches and a 0.4 LTAR.
- System will utilize interceptor drain.
- Site serviced by private well water.
- Any deviation from accepted design must be approved by Soil & Environmental Consultants, PA and Wake County ES prior to installation.
- Maintain all required setbacks.
- All property lines must be fully marked at time of installation or a reinspection is required.
- Contact Andrew Thore at 919-594-8528 with any questions prior to or during installation.

Issued By:

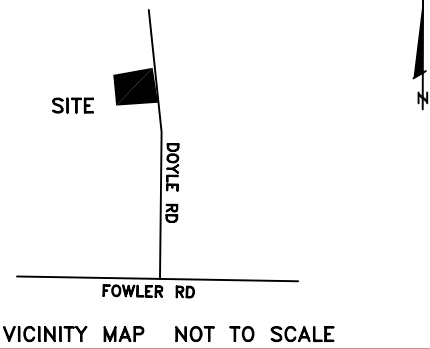
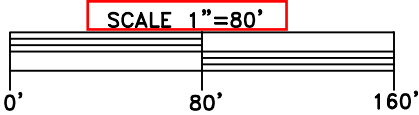


Date: 04/27/2022

Book of maps 2021 Vol. ____ Page 1564 Book ____ Page ____ County WAKE

Block ____ Lot 10 Subdivision FRED PRIVETTE

EIP=Existing Iron Pipe NIP=New Iron Pipe



I, Jackie Ray Thomason, PLS, certify
That the survey is of an existing parcel or parcels of land:
and that this plat was drawn under my supervision from an actual
survey made under my supervision deed description recorded in
Book MAP 2021 Page 1564; that the boundaries not surveyed are
clearly indicated as shown from information found in
Book ____ Page ____; that the ratio of precision as calculated
is 1: 10,880 + 1/100,000. Witness my original signature, registration
number and seal this 18 day of APRIL, A.D., 2022.

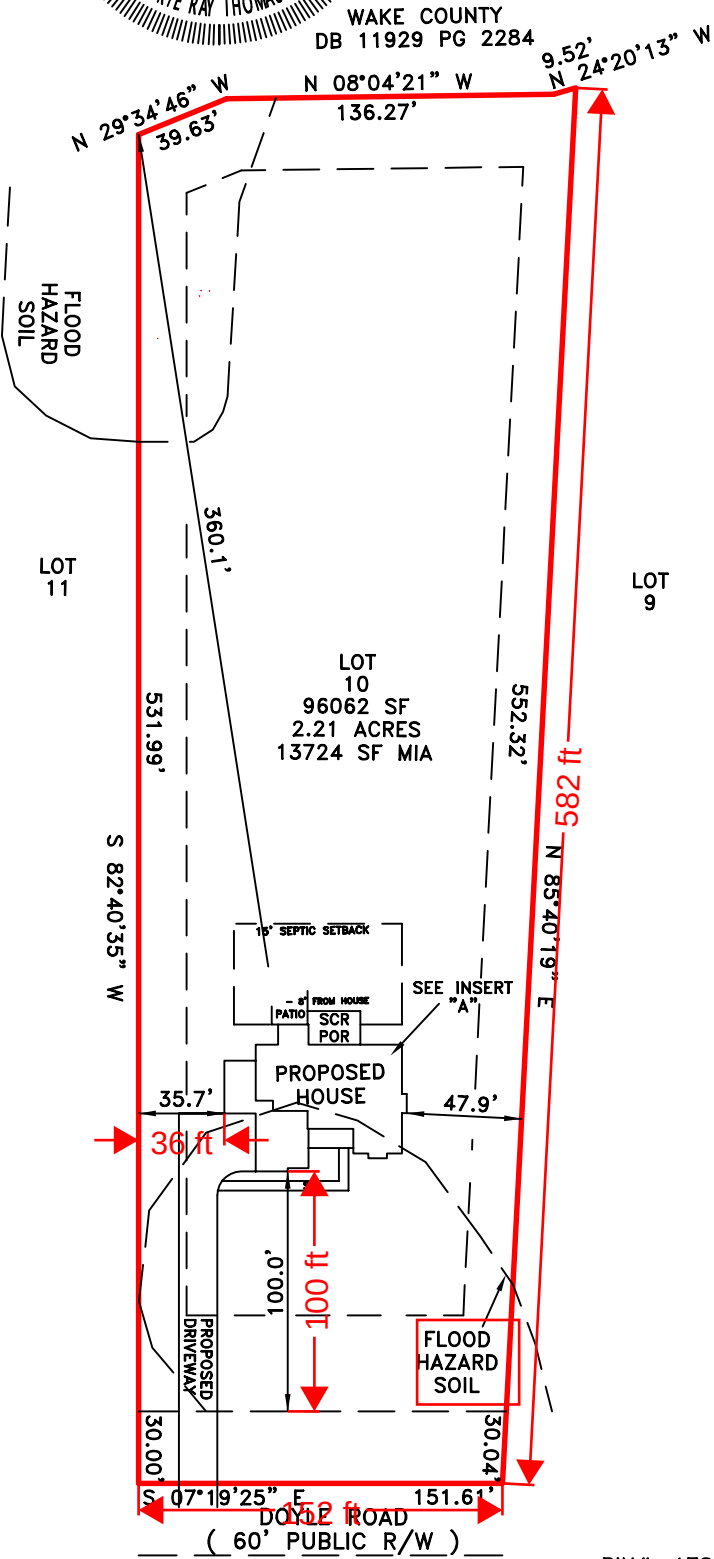
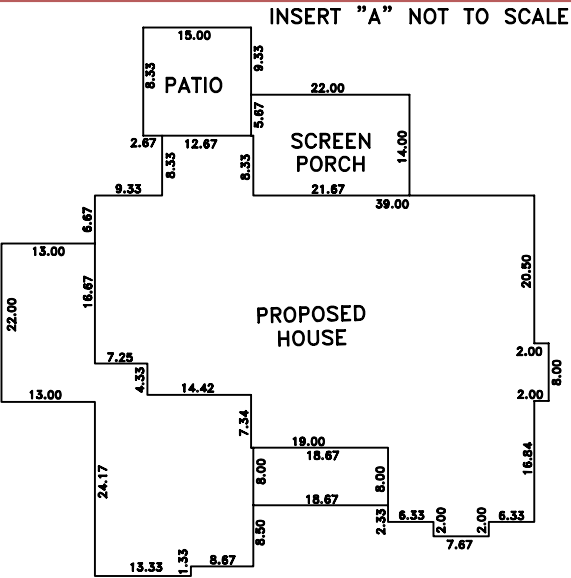
[Signature]
SEAL
L-3076
Jackie Ray Thomason, PLS., -3076
LAND SURVEYOR
JACKIE RAY THOMASON



PROPOSED
IMPERVIOUS SURFACE TABLE

HOUSE - 3299 SF
DRIVEWAY - 2423 SF
PATIO - 225 SF
SCR. POR. - 305 SF
SIDEWALK - 270 SF
TOTAL - 6522 SF

WAKE COUNTY N.C. P.D.I.
REVISED SITE PLAN



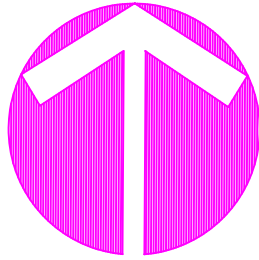
MAP NOT FOR RECORDATION, SALES OR CONVEYANCES

PIN#: 1787570626

Drawn By JRT Surveyed By JRT Date 11-06-21 Dwg.# JB3727
REV: 04-18-22

PROPERTY OF:
MATT BALDWIN HOMES
3717 DOYLE ROAD
ZEBULON, NC 27597

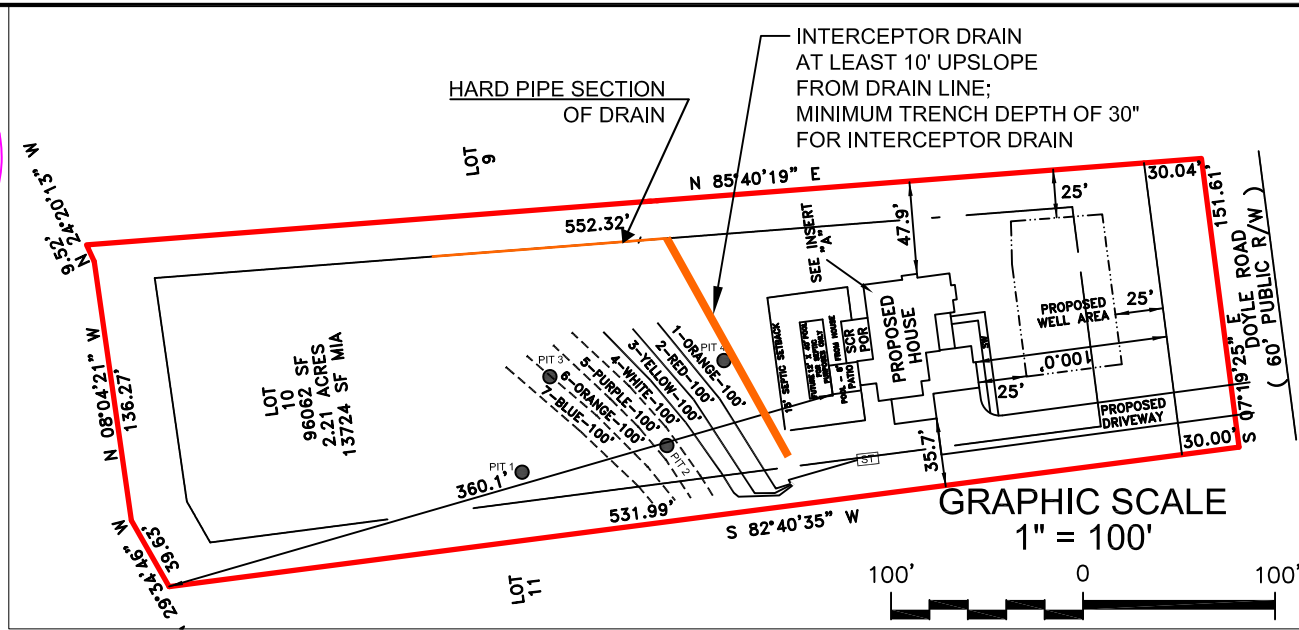
JACK R. THOMASON, PLS
4969 US HWY 401 SOUTH
YOUNGSVILLE, NC 27596
PHONE: 919-556-3307



NORTH

LEGEND

- SYSTEM LINE
- - - REPAIR LINE
- ST** SEPTIC TANK

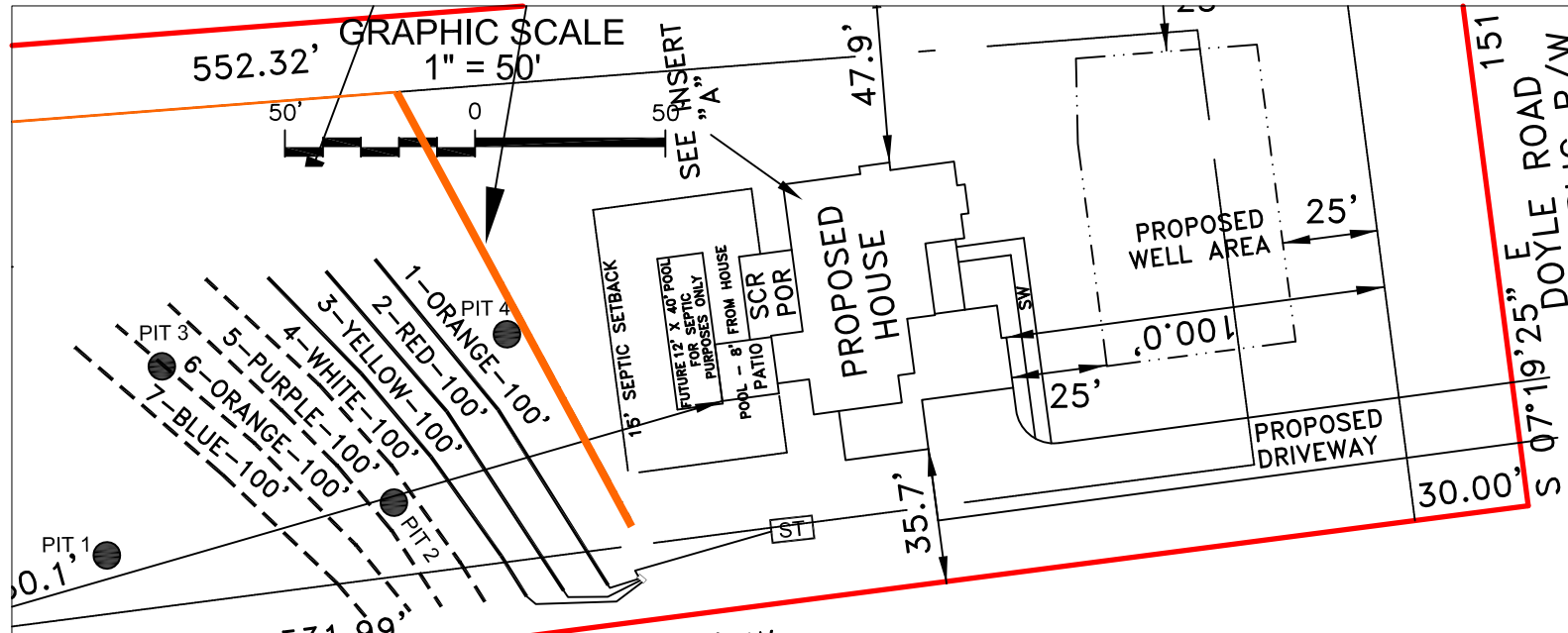


NOTES:

- 1) SITE DATA TO INCLUDE PROPERTY BOUNDARIES, STRUCTURE LOCATION, UTILITIES, ROADS, AND OTHER SITE FEATURES WERE PROVIDED BY JACK R. THOMASON SURVEYING AND ARE SHOWN TO DISPLAY GENERAL SITE CONDITIONS.
- 2) ALL SEPTIC SYSTEM COMPONENTS TO INCLUDE SYSTEM AND REPAIR LINES HAVE BEEN GPS LOCATED BY SOIL AND ENVIRONMENTAL CONSULTANTS, PA. ALL LOCATIONS, ELEVATIONS, AND DIMENSIONS ARE APPROXIMATE AND AS SUCH NO SPECIFIC ACCURACY EITHER VERTICAL OR HORIZONTAL IS IMPLIED.
- 3) THIS MAP AND CORRESPONDING SITE EVALUATION IS NOT CONFORMANT TO THE ENGINEERED OPTION PERMIT (EOP) OR LSS OPTION PERMIT PROCESS. ADDITIONAL SITE TESTING AND EVALUATIONS WILL BE REQUIRED TO UTILIZE THE EOP OR LSS OPTION PERMIT PROCESS.
- 4) PROPERTY AND EASEMENT BOUNDARIES SHOWN ON THIS SITE SKETCH ARE APPROXIMATE AND ARE NOT INTENDED FOR LOCATING PROPERTY OR IDENTIFYING PROPERTY OR EASEMENT CORNERS. THIS IS NOT A SURVEY. 4-20-2022

**5-BEDROOM GRAVITY SYSTEM
LINES 1-3 0.5 LTAR EZ FLOW
18" TRENCH DEPTH**

**5-BEDROOM GRAVITY REPAIR
LINES 4-7 0.4 LTAR EZ FLOW
18" TRENCH DEPTH**

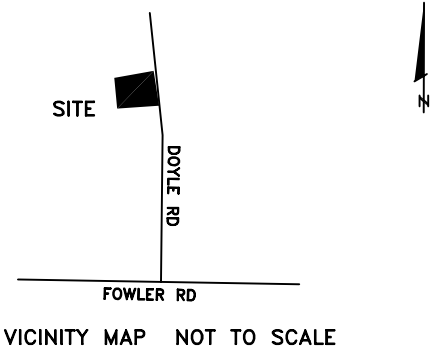
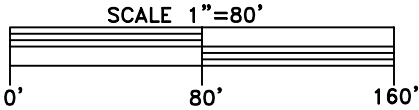


Project No.: 150399.51 Project Manager: CC Scale: 1"=50' Sheet No.: 1 of 1	Project: 3717 DOYLE RD, LOT 10 Location: WAKE CO., NC Client: MATT BALDWIN HOMES Sheet Title: SEPTIC LAYOUT MAP	Soil & Environmental Consultants, PA 8412 Falls of Neuse Rd., Suite 104 • Raleigh, North Carolina 27615 • www.SandEC.com Phone: (919) 846-5900 • Fax: (919) 846-9467	S&EC
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Book of maps 2021 Vol. ____ Page 1564 Book ____ Page ____ County WAKE

Block ____ Lot 10 Subdivision FRED PRIVETTE

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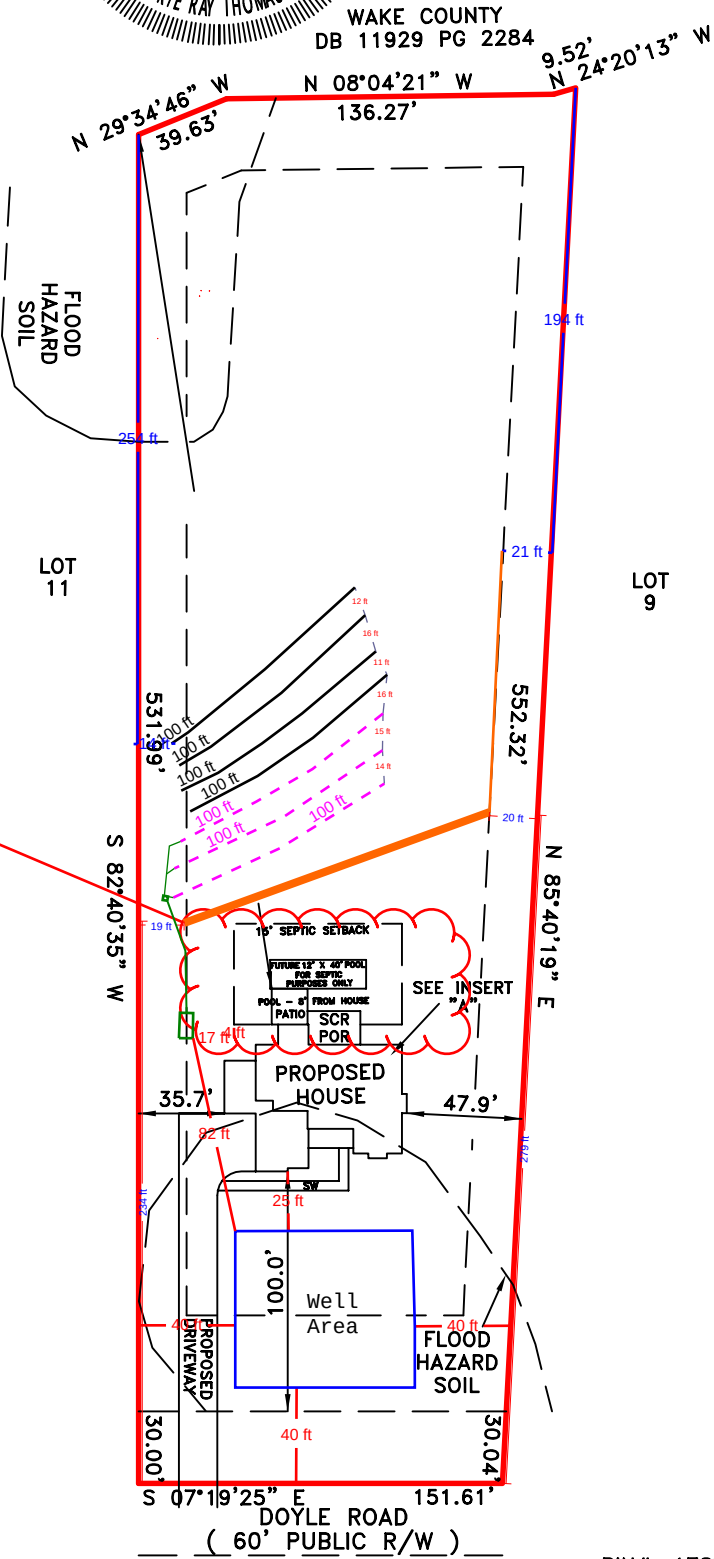
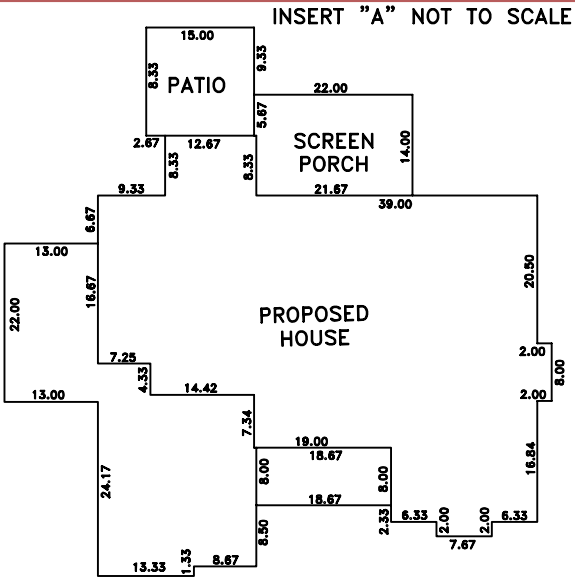
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Book 10-880 Page 10-880; that the ratio of precision as calculated
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Jackie Ray Thomason, PLS, -3076
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POOL FOR SEPTIC
USE ONLY



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ZEBULON, NC 27597

JACK R. THOMASON, PLS
4969 US HWY 401 SOUTH
YOUNGSVILLE, NC 27596
PHONE: 919-556-3307

Notes:

1. Use Corrugated slotted HDPE pipe and fittings conforming ASTM F 667 (Heavy duty 3" - 6") and locate at least six inch into restrictive layer.
2. The curtain drain shall be located 10' up-slope from the drainfield gradient, and generally parallel to the orientation of the dispersal component, of the onsite system that it is intended to protect;
3. The curtain drain daylight discharge must be situated to have both positive drainage 3" to 4" per 100', must be located 15' sideslope and must discharge 10' beyond last line when practical. Depth should be 12" below trench bottom.
4. Use Berm for smaller upslope areas as shown. Wake County, Environmental Services to field determine surface diversion, subsurface discharge daylighting practicality. Observe Berm after storm events and repair as needed until fully stabilized.
5. The curtain drain shall include observation port for maintenance. See Page 2 of 2 of this drawing.
6. The curtain drain shall be constructed of #4, #5 gravel or equal.
7. Use flexible, impermeable barrier (e.g. min. 2 layers of 6-mil polyethylene plastic) for down gradient of the drain. Up-gradient barrier, when used it must be permeable, when fines are concern use it upstream as well - contact County for additional guidance. Use permeable geotextile on top of gravel layer as shown on dwg. & tuck up on both ends.

Installation depth determination in Field:

The placement of the interceptor drain bottom to be field determined by digging test holes and visually establishing seepage area. Contact county if deeper (>5') drains are envisioned.



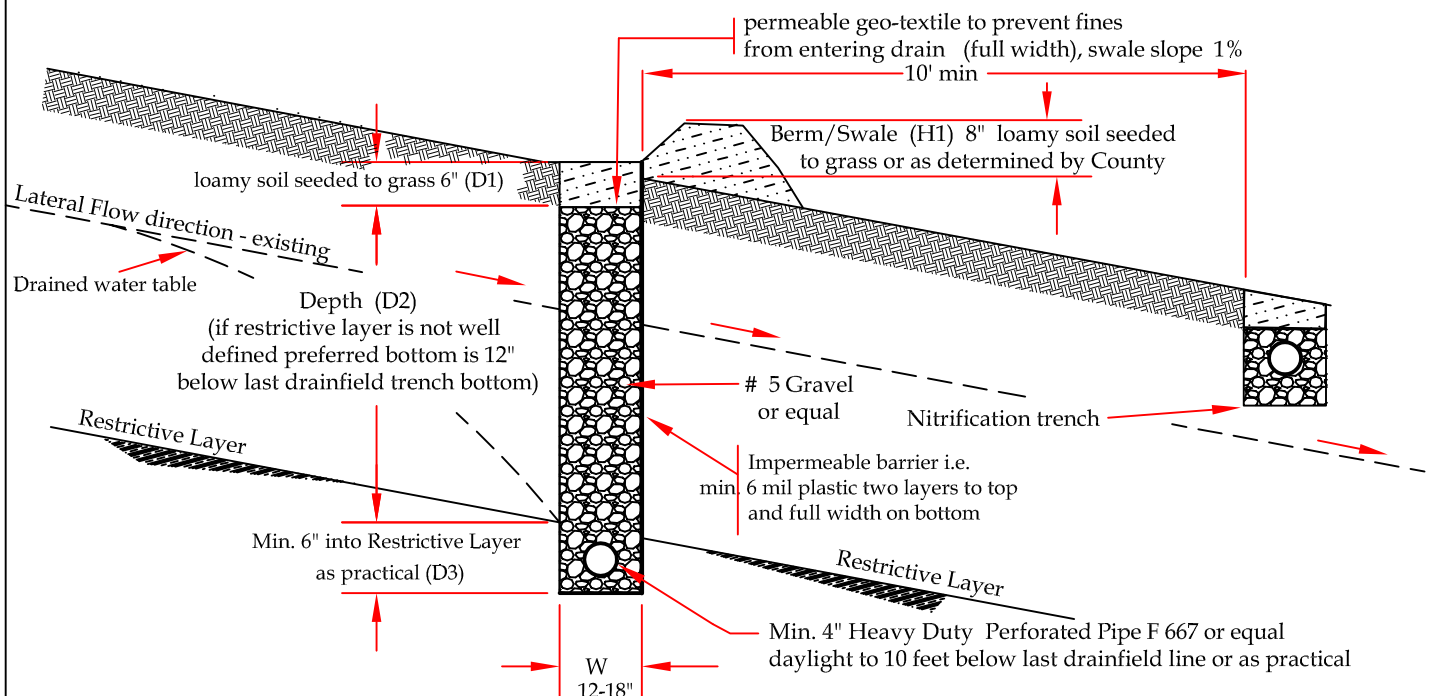
Drain daylighting to stream or buffer needs permit daylight upstream of buffer and use level spreader technique protect outlet from erosion, root/ animal intrusion

Project Specific Details

Depth D (D1 + D2 + D3) = 4.0' Typ. 0.3 % Slope
Width of Curtain Drain (W) = 12"-18"
Height of Lower Berm (H1) = Min. 8" (slope 3:1)

36" trench bottom

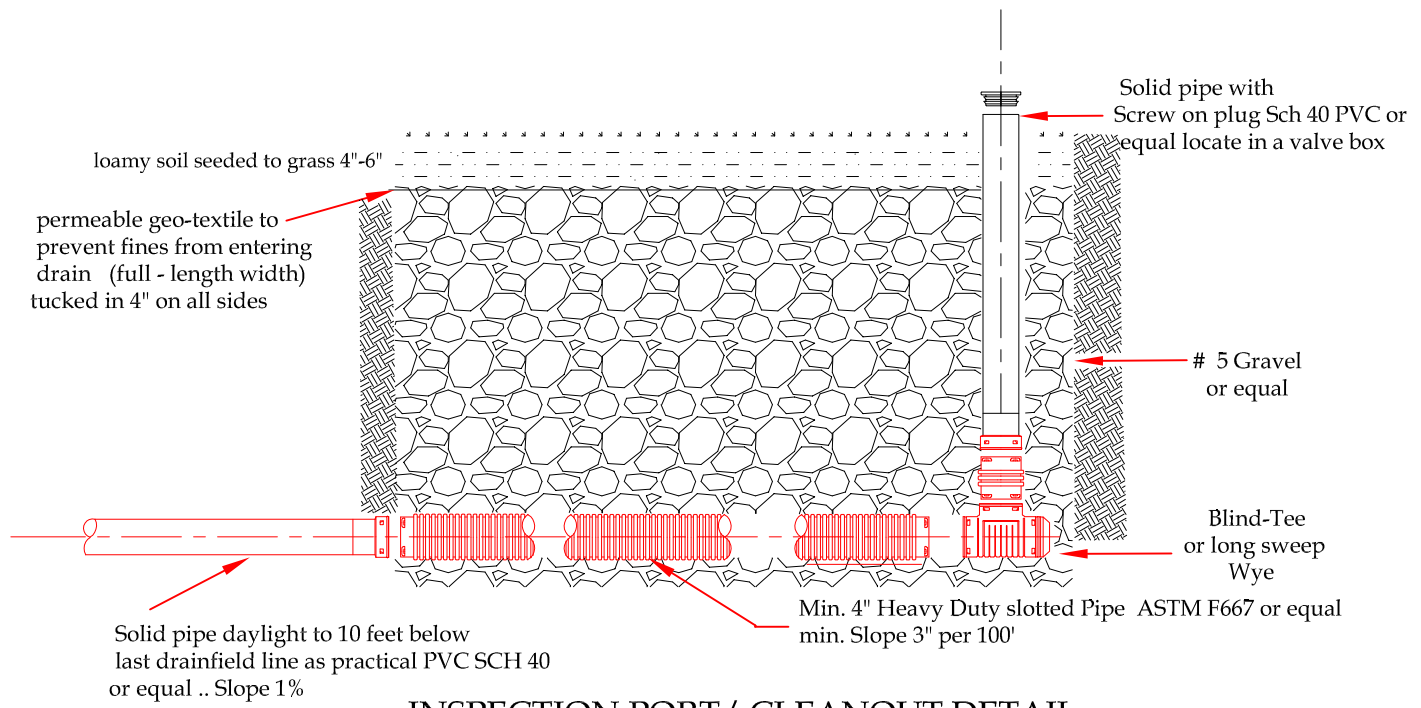
Installer to follow OSHA regulations



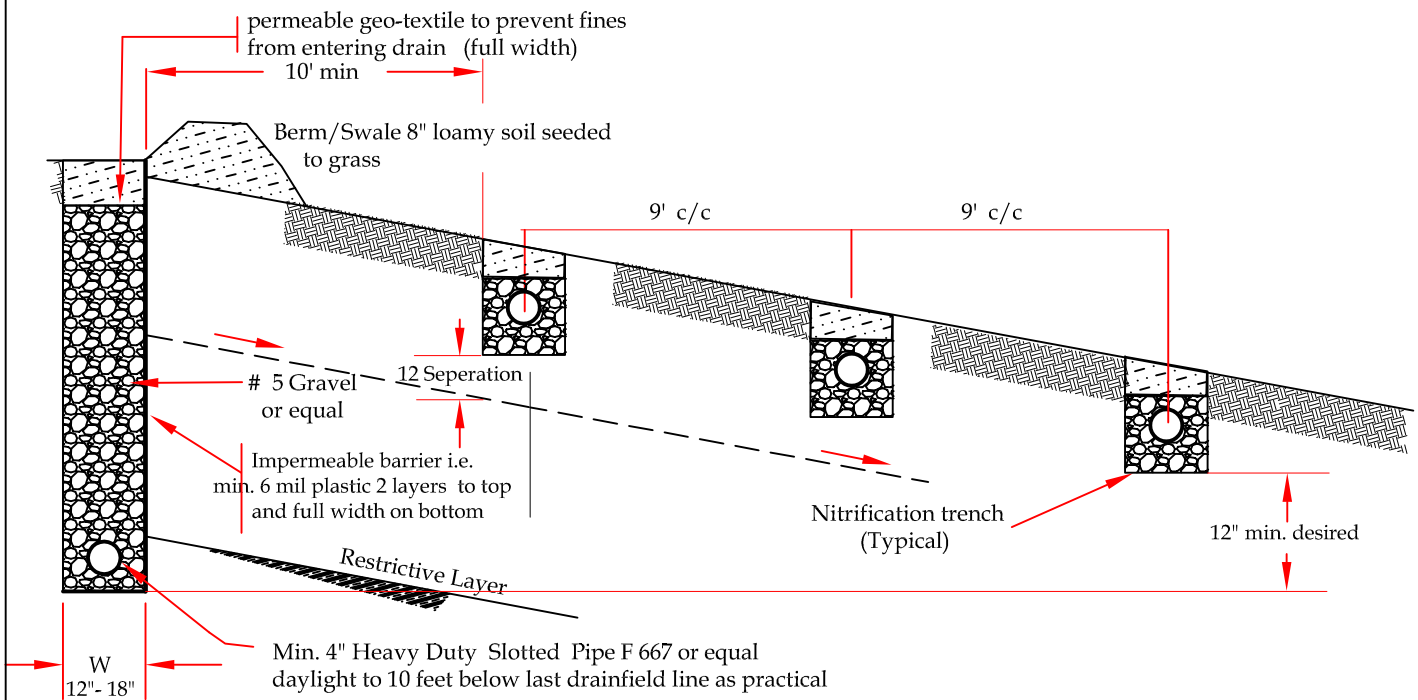
Curtain Drain Detail

Environmental Services

Designed	ICD	Date	01/29/2019	File Name	Generic
Revision	1		01/29/2019	Drawing No.	1
Approved	WC		01/29/2019	Sheet	1 of 2
No Scale					



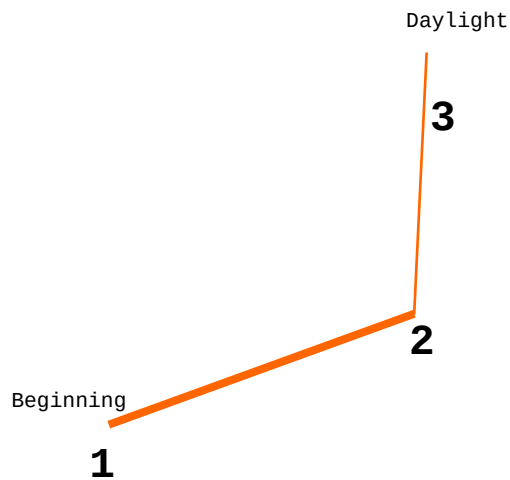
INSPECTION PORT/ CLEANOUT DETAIL



Curtain Drain Detail

Environmental Services

Designed	ICD	Date 01/29/2019	File Name Generic
Revision	1	01/19/2019	Drawing No. 1
Approved	WC	01/29/2019	Sheet 2 of 2
No Scale			



Pt.1(Start)
Ground elevation:4.5'
Trench Elevation:7.5'

Pt.2 (Middle)
Ground elevation:5'
Trench Elevation:9.5'

Pt.3(End)
Ground elevation:6.6'