

5010 Linbar Drive Suite #153 | Nashville, TN 37211  
615.331.7770 | www.ttlusa.com

PATRICIA SCHOOLER TERRY  
PROPERTY  
WB. 20011024 0116246  
RODCT

WEST MEADE FARMS - SECTION 3  
LOT 18  
PLAT BOOK 1835, PAGE 4

EAH LOWE AND  
PHILIP  
LAND  
RTY  
20518 0043191

LOT 19

PROPOSED  
BUILDING  
FOOTPRINT  
±5,439 SQFT

WEST MEADE FARMS - SECTION 3  
LOT 20  
PLAT BOOK 1835, PAGE 4

HAVERFORD DRIVE (50' ROW)  
PLAT BOOK 1835, PAGE 4

KEYWAY DRIVE

HAVERFORD DRIVE INFILL PROJECT

MR. JEREMY LYONS  
170 HAVERFORD DRIVE  
NASHVILLE, DAVIDSON COUNTY, TENNESSEE

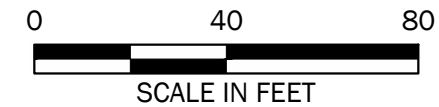


Revision Description	
No.	Date

Drawn By: M T B  
Date: 03/16/2021  
Checked By: C P H  
Proj. No.: 000210800628.00  
File Name: 21-0628\_C2.0\_Site Layout.dwg

Sheet Title  
**SITE LAYOUT**

Sheet No.  
**C2.0**



5010 Linbar Drive Suite #153 | Nashville, TN 37211  
615.331.7770 | www.ttlusa.com

**Haverford Drive Infill Project**

**MR. JEREMY LYONS**  
170 Haverford Drive  
Nashville, Davidson County, Tennessee

± 424 L.F. SILT FENCE WITH  
J-HOOKS AS NECESSARY  
(TCP-13)

LIMITS OF DISTURBANCE  
± 0.86 ACRES

20' x 100'  
STONE CONSTRUCTION ENTRANCE/EXIT  
(TCP-03)

CONCRETE WASHOUT

Haverford Drive (50' ROW)  
Plat Book 1835, Page 4

KEYWAY DRIVE

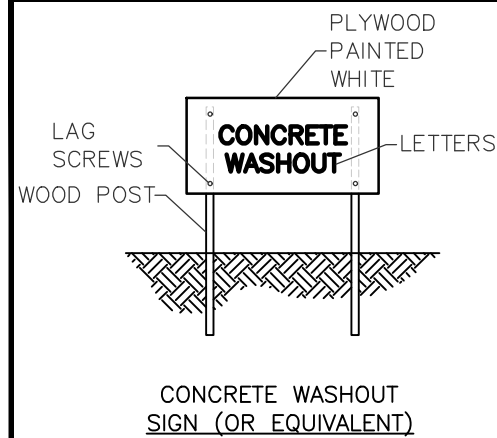


**EROSION & SEDIMENT CONTROL**

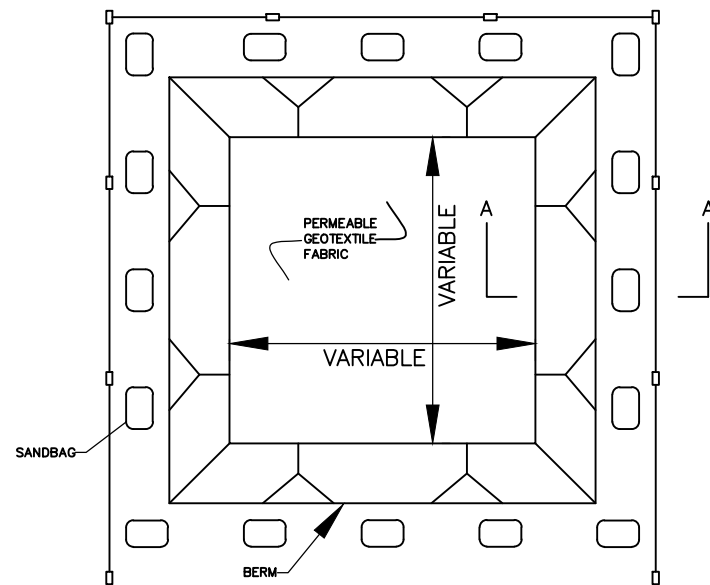
No.	Date	Revision Description

Drawn By: M T B  
Date: 03/16/2021  
Checked By: C P H  
Proj. No.: 000210800628.00  
File Name: 21-0628\_C3.0\_Erosion and Sediment Control.dwg

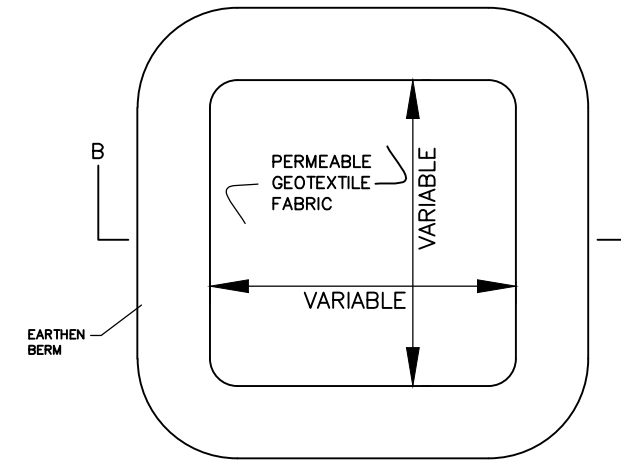
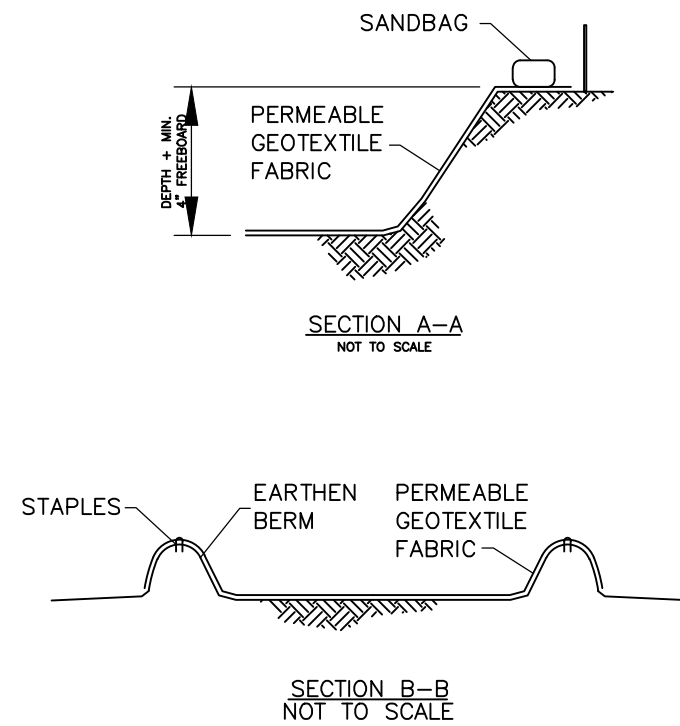
Sheet No.  
**C3.0**



- NOTES:**
1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
  2. SIGNAGE IDENTIFYING THE CONCRETE WASHOUT AREA SHALL BE INSTALLED WITHIN 5 FT. OF THE WASHOUT FACILITY.

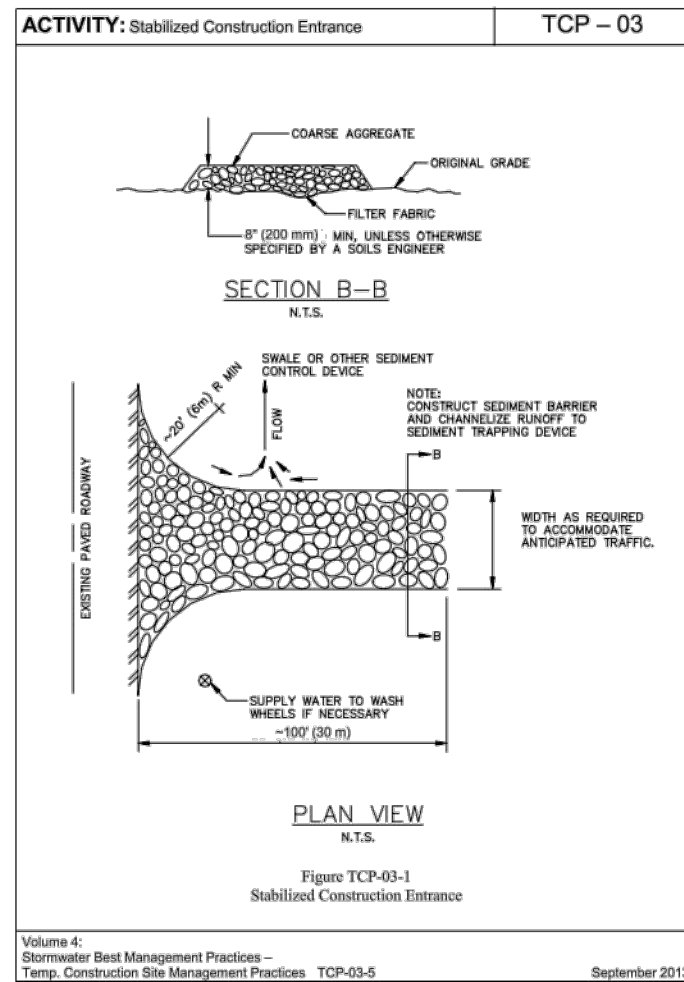
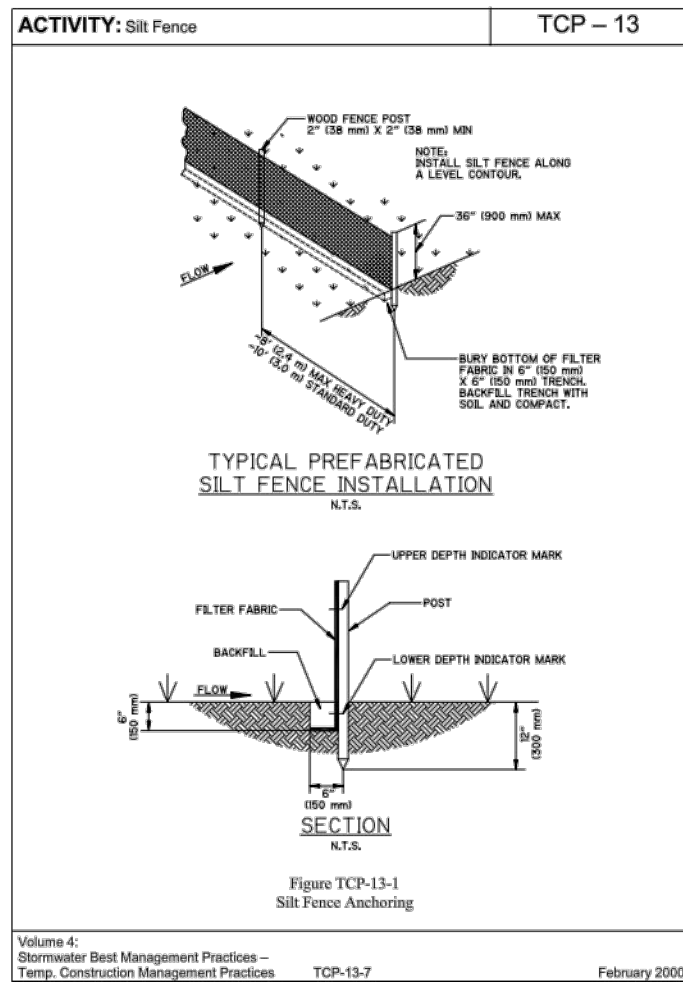


**PLAN VIEW**  
NOT TO SCALE  
TYPE "BELOW GRADE"



**PLAN VIEW**  
NOT TO SCALE  
TYPE "ABOVE GRADE"  
WITH EARTHEN BERMS

**1 CONCRETE WASHOUT**  
NOT TO SCALE

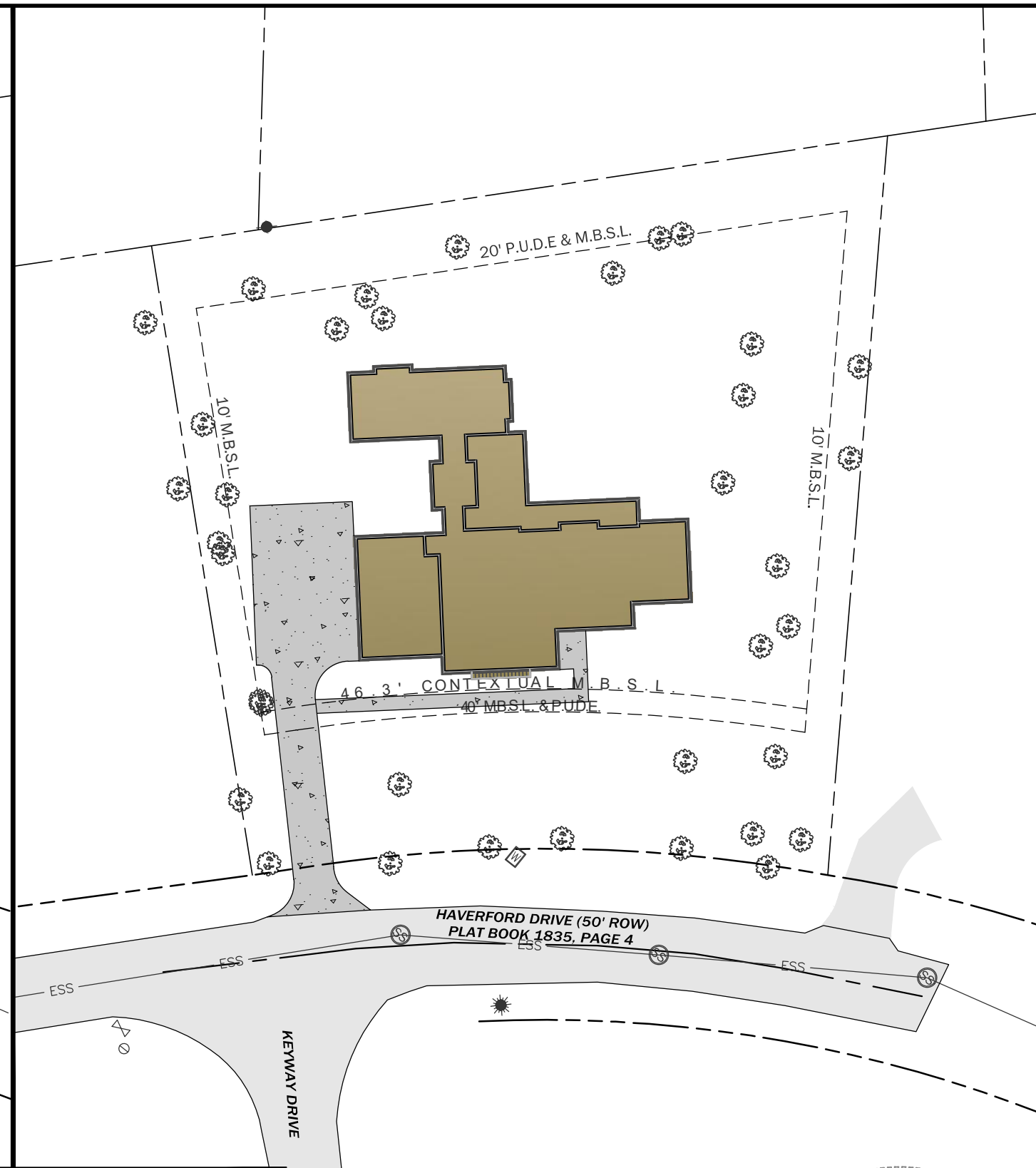
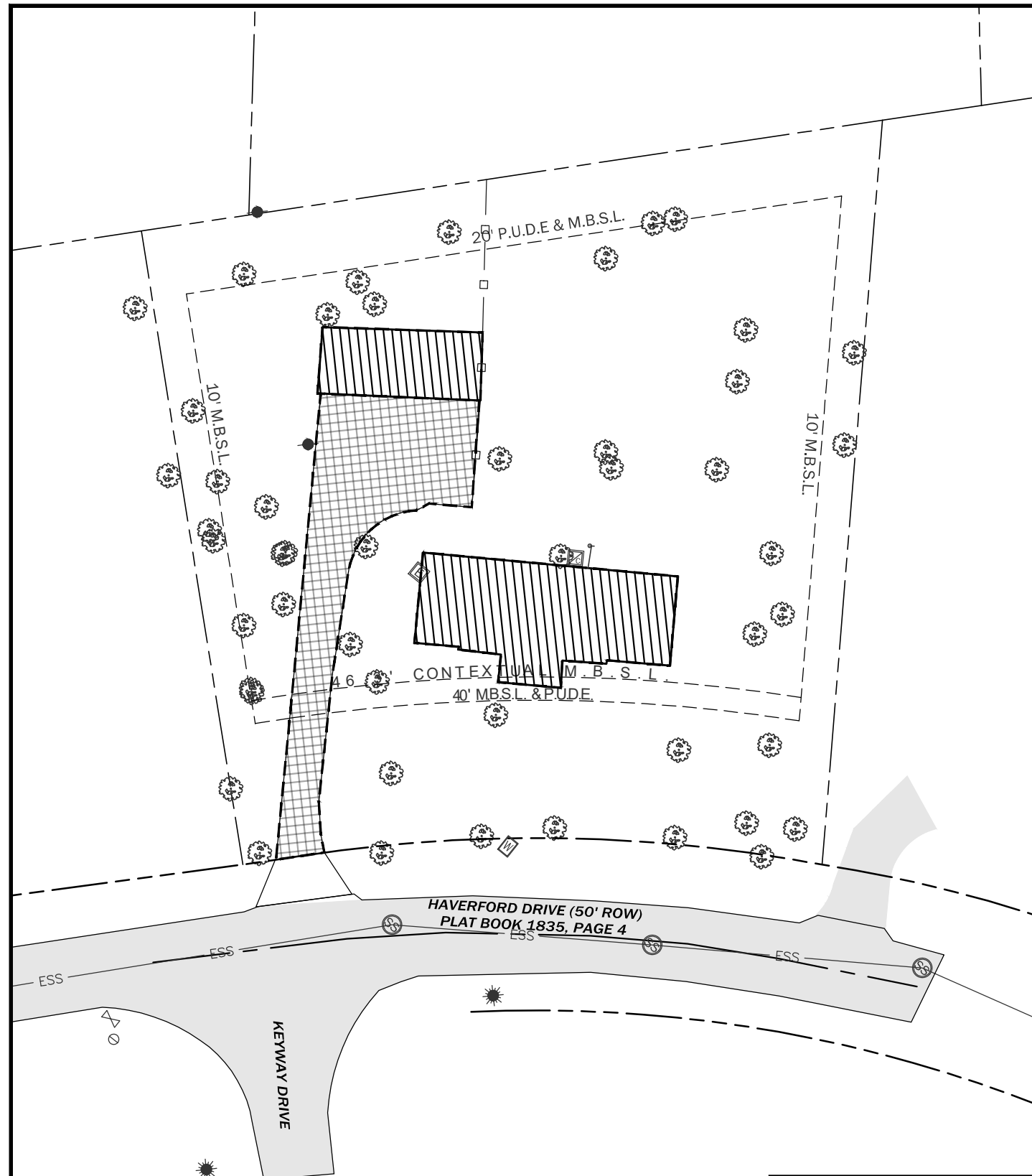




5010 Linbar Drive Suite #153 | Nashville, TN 37211  
615.331.7770 | www.ttlusa.com

**Haverford Drive Infill Project**

**MR. JEREMY LYONS**  
170 Haverford Drive  
Nashville, Davidson County, Tennessee



**EXISTING**



**PROPOSED**



EXISTING V.S. PROPOSED I.A.	
TOTAL SITE AREA: 37,545 S.F. ±	
EXISTING I.A.	PROPOSED I.A.
EXISTING STRUCTURES: 3,057 S.F.	PROPOSED STRUCTURES: 5,439 S.F.
EXISTING PAVEMENT: 2,774 S.F.	PROPOSED PAVEMENT: 2,566 S.F.
TOTAL: 5,831 S.F.	TOTAL: 8,005 S.F.
NET I.A. INCREASE: 2,174 S.F.	
TIER I	

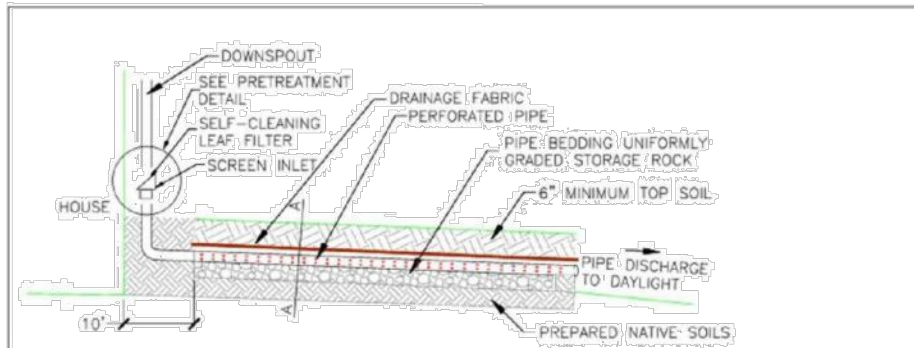
IMPERVIOUS AREA	
No.	Revision Description

Sheet Title: IMPERVIOUS AREA

Drawn By: M.T.B. Checked By: C.P.H.  
Date: 03/16/2021. Proj. No.: 000210800628.00  
File Name: 21-10628\_C4.0\_Impervious Area.dwg

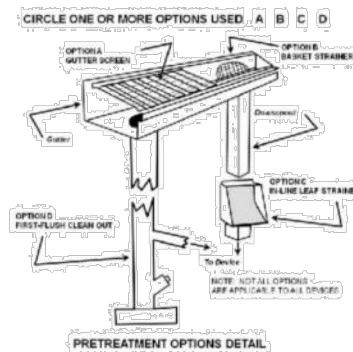
Sheet No. **C4.0**





**CONSTRUCTION STEPS:**

1. Review potential MFD areas and layout. MFDs should slope between 0.5% and 6% away from the structure and should not be located: (1) beneath an impervious (paved) surface; (2) above an area with a water table or bedrock less than two feet below the trench bottom; (3) over other utility lines; or; (4) above a septic field. Insure outlet daylights at least ten feet from property line.
2. Measure the area draining to the MFD and determine required length from the table on the next page using assumed width and gravel depth, and plan route and excavation depth.
3. If soil is a concern, perform infiltration test according to Section B. If the rate is less than 0.25 in/hr this method cannot be used. If the rate is more than 0.50 in/hr the length of the ditch may be decreased 10% for every 0.50 in/hr infiltration rate increase above 0.50 in/hr.
4. Measure elevations and lay out the MFD to the required dimensions marking the route and required excavation depths. Often a level line (torpedo level) is used.
5. Remove sod using a sod cutter if appropriate. Excavate ditch to the depth of the gravel plus six inches for topsoil/pea gravel and three additional inches to accommodate half the pipe depth. Be careful not to compact soils in the bottom. Level the bottom laterally as much as possible to maximize infiltration area. Roughen bottom to a depth of at least three inches and trim roots.
6. Place and tamp gravel in ditch to planned depth placing the pipe three inches deep in the upper portion of the gravel. Then place and gently tamp gravel until it covers the pipe.
7. Place drainage fabric over top of pipe and stone.
8. Place topsoil and sod or pea gravel.
9. Cut and route downspouts or other rainwater delivery components; leaf screen option(s) chosen (circle selected options in Pretreatment Options Detail figure). Strap and support as needed.
10. Create a safe overflow at least 10 feet from your property edge and insure it is protected from erosion.



METRO NASHVILLE  
DEPARTMENT OF  
WATER SERVICES

NAME/ADDRESS:

MODIFIED FRENCH  
DRAIN SPECIFICATIONS  
PAGE 1 OF 2

Volume 1

Appendix H  
Page 23

SKETCH LAYOUT  
PROVIDE PLAN AND ELEVATION VIEWS OF MFD AND HOUSE SHOWING ROOF AREA DIRECTED TO MFD AND KEY DIMENSIONS, CONNECTIONS AND OVERFLOW RELATIVE TO PROPERTY LINE.

# SHEET C5.0

**SIZING CALCULATION:**

Rooftop Area (square feet)	Depth of Gravel From Top of Pipe (inches)			
	18	24	30	36
100	6	5	4	3
500	30	25	20	15
1000	60	45	40	35
2000	120	95	75	65
3000	185	140	115	100
4000	245	190	155	130
5000	305	235	195	165

MEASURE CONTRIBUTING DRAINAGE AREA AND READ AREA FOR GIVEN MEDIA DEPTH.

CONTRIBUTING DRAINAGE AREA = 1,281 SQ FT  
 DEPTH OF STONE MEDIA = 36 INCHES  
 WIDTH OF TRENCH = 24 INCHES  
 LENGTH OF MFD = 40 FT  
 39

**MAINTENANCE:**

1. INSPECT GUTTERS AND DOWNSPOUTS REMOVING ACCUMULATED LEAVES AND DEBRIS. CLEANING LEAF REMOVAL SYSTEM(S).
2. IF APPLICABLE, INSPECT PRETREATMENT DEVICES FOR SEDIMENT ACCUMULATION. REMOVE ACCUMULATED TRASH AND DEBRIS.
3. INSPECT MFD FOLLOWING A LARGE RAINFALL EVENT TO INSURE OVERFLOW IS OPERATING AND FLOW IS NOT CAUSING PROBLEMS.

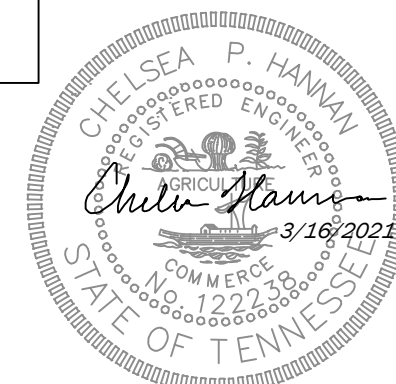
METRO NASHVILLE  
DEPARTMENT OF  
WATER SERVICES

ATTACHED THIS TWO-PAGE  
SPECIFICATION TO HOUSE  
PLAN SUBMITTAL

MODIFIED FRENCH DRAIN  
SPECIFICATIONS  
PAGE 2 OF 2

Volume 1

Appendix H  
Page 24



5010 Linbar Drive Suite #153 | Nashville, TN 37211  
615.331.7770 | www.ttlusa.com

## Haverford Drive Infill Project

MR. JEREMY LYONS  
170 Haverford Drive  
Nashville, Davidson County, Tennessee

### MODIFIED FRENCH DRAIN

No.	Date	Revision Description

Drawn By: M T B  
 Date: 03/16/2021  
 Checked By: C P H  
 Proj. No.: 000210800628.00  
 File Name: 21-10628\_C5.0\_Stormwater Protection Plan.dwg

Sheet No.  
**C5.1**