

Permit Number:

282254



APPLICATION - PERMIT  
ON-SITE WASTEWATER SYSTEM



(Please Type or Print Legibly)

OWNER'S NAME: Delmarva Teen Challenge, Inc. PHONE: 302-644-0300

ADDRESS: P.O. Box 1271, Seaford, DE 19973

PROJECT LOCATION: 10890 Leadership Way, Bridgeville, DE 19933

TAX/MAP #: 131-15.00-60.00

APPLICATION PREPARER: Brandon Ranalli DNREC LICENSE #: 5850

PREPARER'S ADDRESS: 20246 Coastal Highway, Rehoboth Beach, DE, 19971

PHONE: 302-227-7808

I hereby affirm that the information provided on this document is accurate and complete.

Preparer's Signature: Brandon Ranalli \*Digitally signed by Brandon Ranalli  
DN: cn=US, email=brandon@scaledengineering.com,  
ou=Brandon Ranalli Date: 02/04/2026

By signing this permit application, the preparer further certifies they were physically present at the site.

RECEIVED

02/06/2026

Division of Water

-SEPTIC DESIGN CRITERIA-

(Please check all boxes that apply)

**System Type:** (CF = Cap & Fill / FD = Full Depth)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Gravity (FD) | <input type="checkbox"/> Permanent Holding Tank      |
| <input type="checkbox"/> Gravity (CF)            | <input type="checkbox"/> Elevated Sand Mound         |
| <input type="checkbox"/> Pressure Dose (FD)      | <input type="checkbox"/> Wisconsin At-Grade          |
| <input type="checkbox"/> Pressure Dose (CF)      | <input type="checkbox"/> Subsurface Micro Irrigation |
| <input type="checkbox"/> Low Pressure Pipe (FD)  | <input type="checkbox"/> Peat Bio- Filter            |
| <input type="checkbox"/> Low Pressure Pipe (CF)  | <input type="checkbox"/> Other _____                 |
| <input type="checkbox"/> Temporary Holding Tank  |  |

- ☐ Bed or ☒ Trench
- ☐ Gravelless Chamber ☒ Stone/Gravel ☐ Tire Chips
- Sand-lined ☐ Yes ☒ No

Existing System Malfunctioning ☐ Yes ☐ No ☒ N/A

Pre-Treatment Units

- ☒ Septic Tank
- ☐ Other \_\_\_\_\_

Central Water Available ☐ Yes ☒ No  
(If yes, please state Utility Name: \_\_\_\_\_)

**Type of Construction:**

- ☐ Replacement
- ☒ New Construction
- ☐ Component Replacement
- Component: \_\_\_\_\_
- ☐ Repair to Existing System
- Reason: \_\_\_\_\_
- ☐ Authorization to Use Existing System
- Permit #: \_\_\_\_\_
- Present Condition: \_\_\_\_\_
- Structure to be connected: \_\_\_\_\_

# of Bedrooms: 6

Avg. Percolation Rate: 20 mpi

Gallons Per Day Flow: 720 GPD

Minimum Sq. Ft. Rcq'd: 1063 SF

Sq. Ft. Proposed: 1260 SF

PAID

\$ 250.00 02/06/2026

PAID

\$ 210.00 02/06/2026



### DESIGNATION OF AUTHORIZED AGENT

The purpose of this form is to allow the owner(s) of a parcel to authorize an agent to act on their behalf when applying for a permit with the Delaware Department of Natural Resources and Environmental Control (DNREC), Division of Water. When properly completed, this form allows the agent to sign their name on the permit application in place of the owner(s) signature.

Additionally, the authorized agent may sign all future correspondence to the Department as it relates to the permit application. The authorized agent will become the primary point of contact for all correspondence from and to the Department.

The section below must be completed in full, signed, and dated. An electronic original of this form must be submitted to the Department with the application.

I, Delmarva Teen Challenge, Inc. hereby designate and authorize the person named below to act as my authorized agent in filing a permit application and to furnish any additional information requested by the Department for the project listed below:

Street Address: 10890 Leadership Way, Bridgeville DE 19933

Tax Map Parcel ID: 131-15.00-60.00

Authorized Agent Name: Robert Carey

Company Name: Delmarva Teen Challenge

Address: P.O. Box 1271 Seaford DE 19973

Phone #: (302) 604-4668

E-mail: delmarvateenchallenge.org

- ☐ The application for the project mentioned above has been previously submitted and this form acts as a submission for a change in the authorized agent.

Robert M. Carey

Property Owner's Signature

2/4/2026

Date

Robert Carey

Property Owner's Printed Name

2/4/2026

Date

Robert M. Carey

Authorized Agent's Signature

2/4/2026

Date

Robert Carey

Authorized Agent's Printed Name

2/4/2026

Date

PARID: 131-15.00-60.00

DELMARVA TEEN CHALLENGE INC

10890 LEADERSHIP WAY

Property Information

Property Location:	10890 LEADERSHIP WAY
Unit:	
City:	BRIDGEVILLE
State:	DE
Zip:	19933
Class:	E-Exempt
Use Code (LUC):	808-Institutional - Educational
Town	00-None
Tax District:	131 – NORTHWEST FORK
School District:	5 - WOODBRIDGE
Fire District:	72-Bridgeville
Deeded Acres:	42.9185
Frontage:	0
Depth:	.000
Irr Lot:	
Plot Book Page:	/PB
100% Land Value:	\$703,800
100% Improvement Value	\$1,330,600
100% Total Value	\$2,034,400

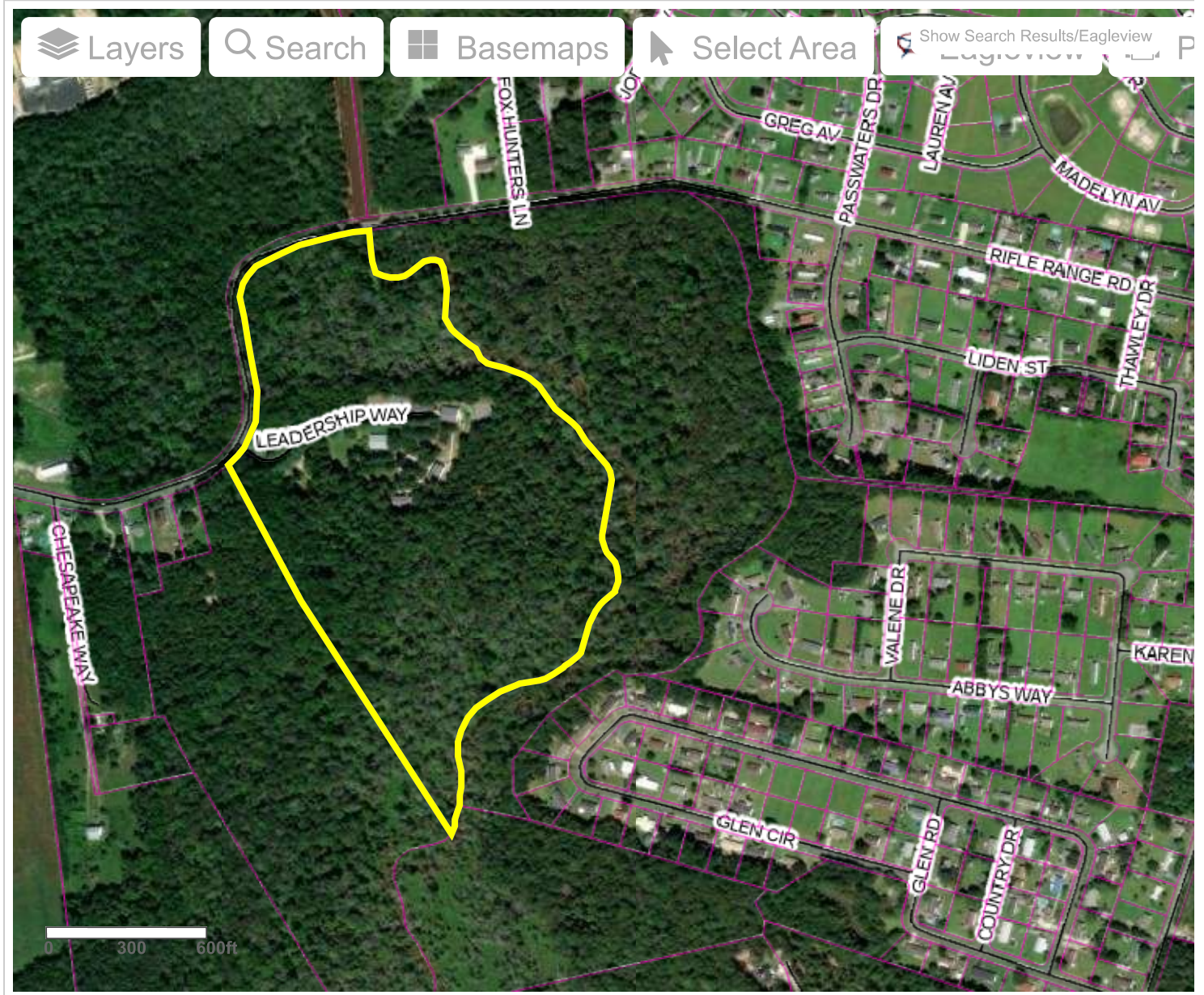
Legal

Legal Description	BRIDGEVILLEOWENS BR S/RT 545 3500'W/RT 594
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Owners

Owner	Co-owner	Address	City	State	Zip
DELMARVA TEEN CHALLENGE INC		PO BOX 1271	SEAFORD	DE	19973





X: -8411366.491114 Y: 4682357.318914

L=124.720, R=346.988

L=127.737, R=300.772

RIFLE RANGE ROAD

C.M.

L=32.407, R=350.903

EXISTING DRIVEWAY  
(LEADERSHIP WAY)

PROPOSED DRIVEWAY

EXISTING WELL >100  
(PER PERMIT C1464-89S)

0-1%

SB 1

39.0'

60.0'

⑥

⑤

④

③

②

①

100' WELL ARC

PROPOSED 6 BEDROOM DWELLING

Ⓜ  
PROPOSED WELL

320.2'

413.0'

264.4'

308.3'

967.6'

VACANT WOODED

#### ADDITIONAL NOTES:

- PIPING INSTALLED IN AREA SUBJECT TO VEHICULAR TRAVEL SHALL BE BURIED MINIMUM 3 FEET, OR ENCASED IN CONCRETE, OR SLEEVED.
- PROTECTIVE BARRIER SHALL BE INSTALLED TO PREVENT VEHICULAR TRAFFIC OVER PROPOSED OWTDS.

*Robert M. Conroy*

OWNER/AUTHORIZED AGENT SIGNATURE: \_\_\_\_\_

### CONSTRUCTION PLAN

DELMARVA TEEN CHALLENGE, INC.  
10890 LEADERSHIP WAY  
BRIDGEVILLE, DE, 19933

TM: # 131-15.00-60.00

DATE: 01/23/2026

DRAWN: BMR

APPROVED: BMR

SCALE: 1" = 80'

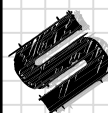
PROJECT: DETC001

SHEET: 1 OF 2

#### NOTES:

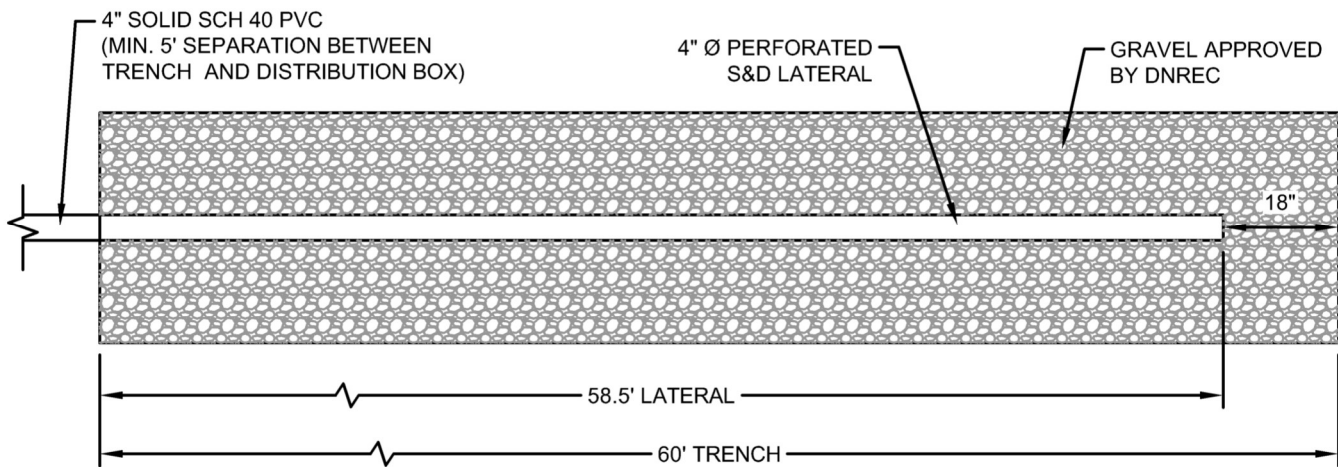
- SANITARY CLEANOUT
- TYP 4" Ø SOLID SCH 40 PVC
- 1500 GAL SEPTIC TANK
- 4" Ø SOLID SCH 40 PVC TRANSMISSION LINE (51 LF)
- DISTRIBUTION BOX W/ RISER & LID
- TYP DISPOSAL TRENCH (60 LF)
- HATCHING INDICATES DNREC APPROVED OWTDS AREA
- SPARE TO BE SAND-LINED UPGRADE IN INITIAL AREA
- SEE GENERAL NOTES TO CONTRACTOR (COPY ATTACHED)**

0' 40' 80'

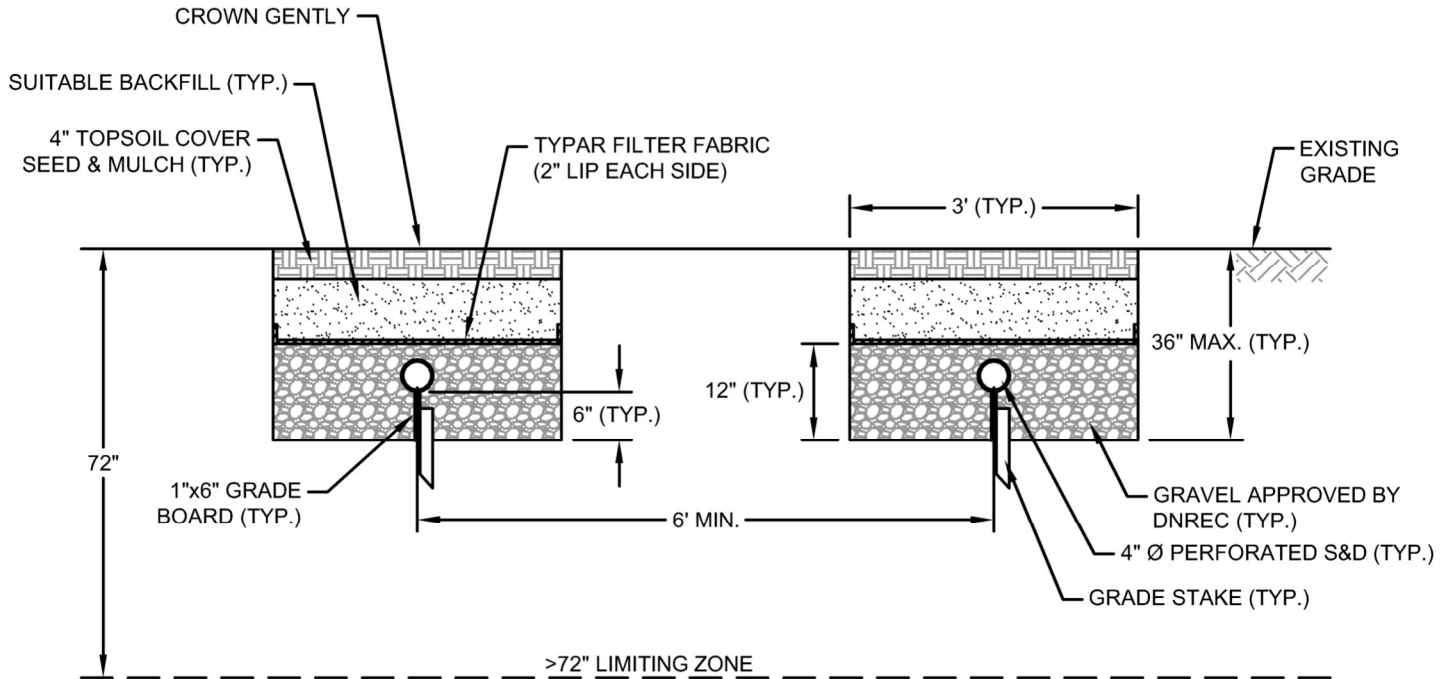


**SCALED.**  
ENGINEERING

Scaled Engineering Inc.  
20246 Coastal Highway  
Rehoboth Beach, DE 19971  
Phone: (302) 227-7808



TRENCH PLAN



TRENCH CROSS SECTION  
SYSTEM HAS 7 TRENCHES, 60' LONG

CROSS SECTION

DELMARVA TEEN CHALLENGE, INC.  
10890 LEADERSHIP WAY  
BRIDGEVILLE, DE, 19933

TM: # 131-15.00-60.00

DATE: 01/23/2026  
DRAWN: BMR  
APPROVED: BMR

SCALE: N.T.S.  
PROJECT: DETC001  
SHEET: 2 OF 2

NOTES:

1. SEE GENERAL NOTES TO CONTRACTOR  
(COPY ATTACHED)



Scaled Engineering Inc.  
20246 Coastal Highway  
Rehoboth Beach, DE 19971  
Phone: (302) 227-7808





## **GENERAL NOTES TO CONTRACTOR:**

1. Contractor shall field-verify existing conditions and all site features (isolation distances, slope direction/percentage, measurements, etc.) prior to installation. If discrepancies are found in the field, Contractor shall immediately contact the designer at 302-227-7808.
2. The system shall be installed per the approved Permit and all applicable regulations set forth by the Department of Natural Resources and Environmental Control (DNREC)
3. Any changes to the Permit shall be approved by the designer prior to installation. Any changes to the approved Permit without prior approval of the designer or DNREC shall be the responsibility of the contractor.
4. System installation shall occur during proper soil moisture conditions.
5. Final grading shall prevent surface water ponding over OWTDS drainfield area.
6. Contractor shall provide adequate drainage between OWTDS drainfield and existing/proposed structures.
7. All tanks shall have watertight risers and shall extend above grade per DNREC Regulations.
8. Septic tanks shall be equipped with a DNREC approved effluent filter (where applicable).
9. Contractor shall remove all trees within 10 feet of OWTDS drainfield per DNREC Guidelines.
10. No construction traffic is to occur within the proposed OWTDS area. Scaled Engineering Inc recommends installing a barrier around proposed disposal area prior to lot development.
11. No boundary or placement survey was performed nor provided. Scaled Engineering Inc is not responsible for dwelling placement or actual location of boundary lines.
12. Low Pressure Pipe disposal systems shall be installed with a trencher per DNREC Regulations.
13. Gravity disposal systems may require a DNREC approved lift station package to overcome elevation differences from the septic tank to the drainfield.
14. Distribution boxes associated with gravity disposal systems shall maintain minimum 5-foot separation from trench/bed drainfields.
15. All piping and fittings shall be pressure rated schedule 40 PVC.
16. Changes to the OWTDS location shall require a Pre-Construction As-Built approved by DNREC prior to installation. Pre-Construction As-Built will be billed as an extra expense to the contractor or other responsible party.
17. All systems shall be inspected in accordance with DNREC Regulations. Equipment necessary for inspections (generator, hoses, water, pressure gauges, etc.) shall be provided by the contractor. Contractor or his/her representative shall be present during the inspection. Contractor shall notify designer minimum 72 hours in advance to schedule all inspections. Inspections requested less than 72 hours in advance may require additional fees, billed to the contractor. Additional fees shall be paid by the contractor prior to completion of the inspection report.
18. Any additional site visits required for designer approval will be billed as an extra to the contractor and shall be paid prior to completion of the inspection report.
19. Contractor shall review the DNREC approved Site Evaluation prior to installation.
20. Construction plans and details are for the purpose of septic design and permitting only. Actual construction methods including site safety, operations, and ensuring site suitability shall be the responsibility of the contractor. Specific designs may require additional effort to ensure safe practices and/or no damage occurs to property or structures.
21. Any proposed well shown in the septic design is for reference only, and does not confirm, nor imply conformance to the regulations regarding on-site well installation. A licensed well driller is responsible for verifying the well is installed in accordance with all applicable regulatory setbacks.