

NOTES:

1. This plan is intended for the purposes of design and location of a sub-surface drainage system to handle stormwater roof and parking area runoff.
2. Construction of the drainage system shall not occur during periods of rain or snow to avoid siltation.
3. Gravel used shall for the Drainage structures shall be 1" - 2" washed stone unless otherwise specified.
4. Cast Iron products have been specified from East Jordan Iron Works (EJ) product catalogues. Manufacturer and model may be modified with approval of the design engineer prior to installation.
5. Concrete castings have been specified from Wiggin Means Precast Co. Inc. (WMP) product manual. Manufacturer and model may be modified with approval of the design engineer prior to installation.
6. Drainage pits have been designed for clean sands with a permeability of 5 ft per day or less as per soil testing performed by VLSE. If soil conditions found during excavation differ from clean sand, the design engineer shall be notified before proceeding with the installation.
7. There shall be no heavy machinery used within 3' above any leaching area, to avoid compaction.
8. The down spout drain line shall consist of 4" shed. 40 PVC solid pipe and have a negative pitch to the leaching area of 1% minimum.
9. Roof runoff calculation is based on assumed roof and parking area contribution areas for a 1 hour 10 year storm event.
10. Rim and invert elevations have been specified to accommodate finished grades as determined from the Landscape design plan. Any discrepancy between grades shown on this plan and the final landscape plan shall be reported to the design engineer prior to the installation of drainage system components.
11. Rim elevations within paved or landscaped areas shall be flush with the surface grade.

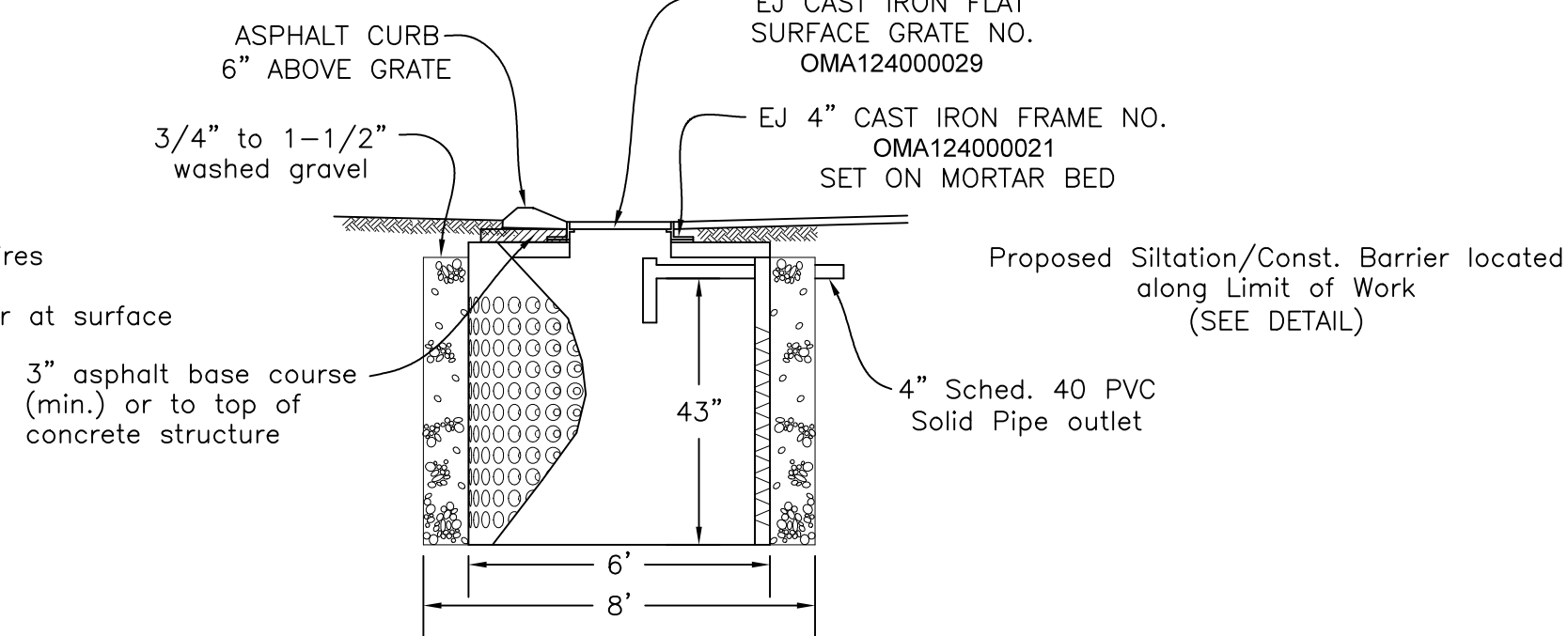
NOTES:

Zoning District - III
Setbacks - 25' All Sides

Legend:

- Denotes Catch Basin
- Denotes Utility Pole
- O.H.W. Denotes Over Head Wires
- Denotes Manhole cover at surface

**DETAIL 4
DRAINAGE PIT W/SURFACE GRATE
H=20" LOAD CAP.
(not to scale)**

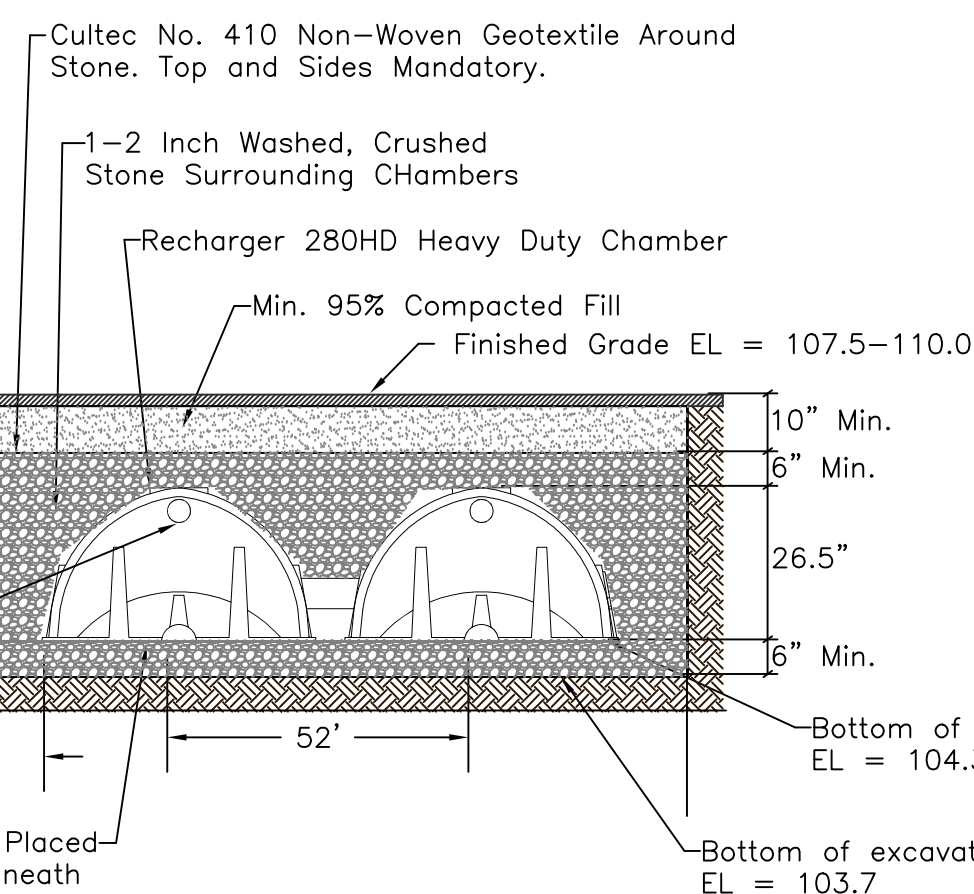
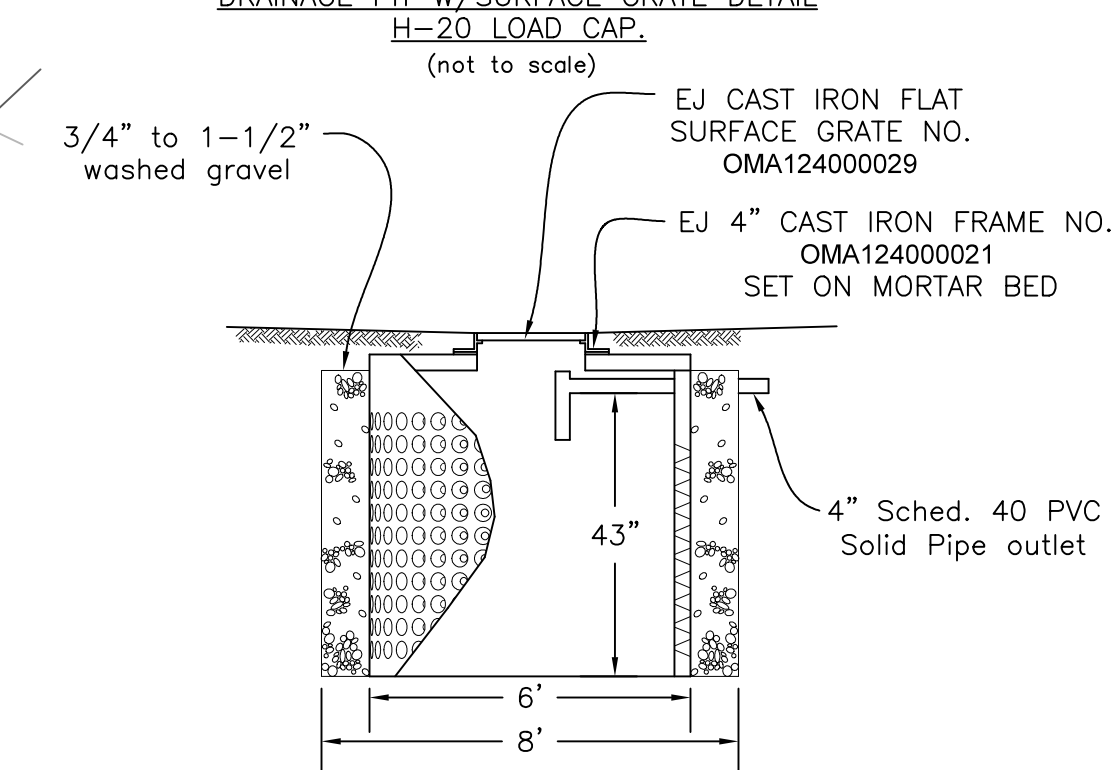


Assr.-Pcl. 26-97
"N/F Methodist Church"

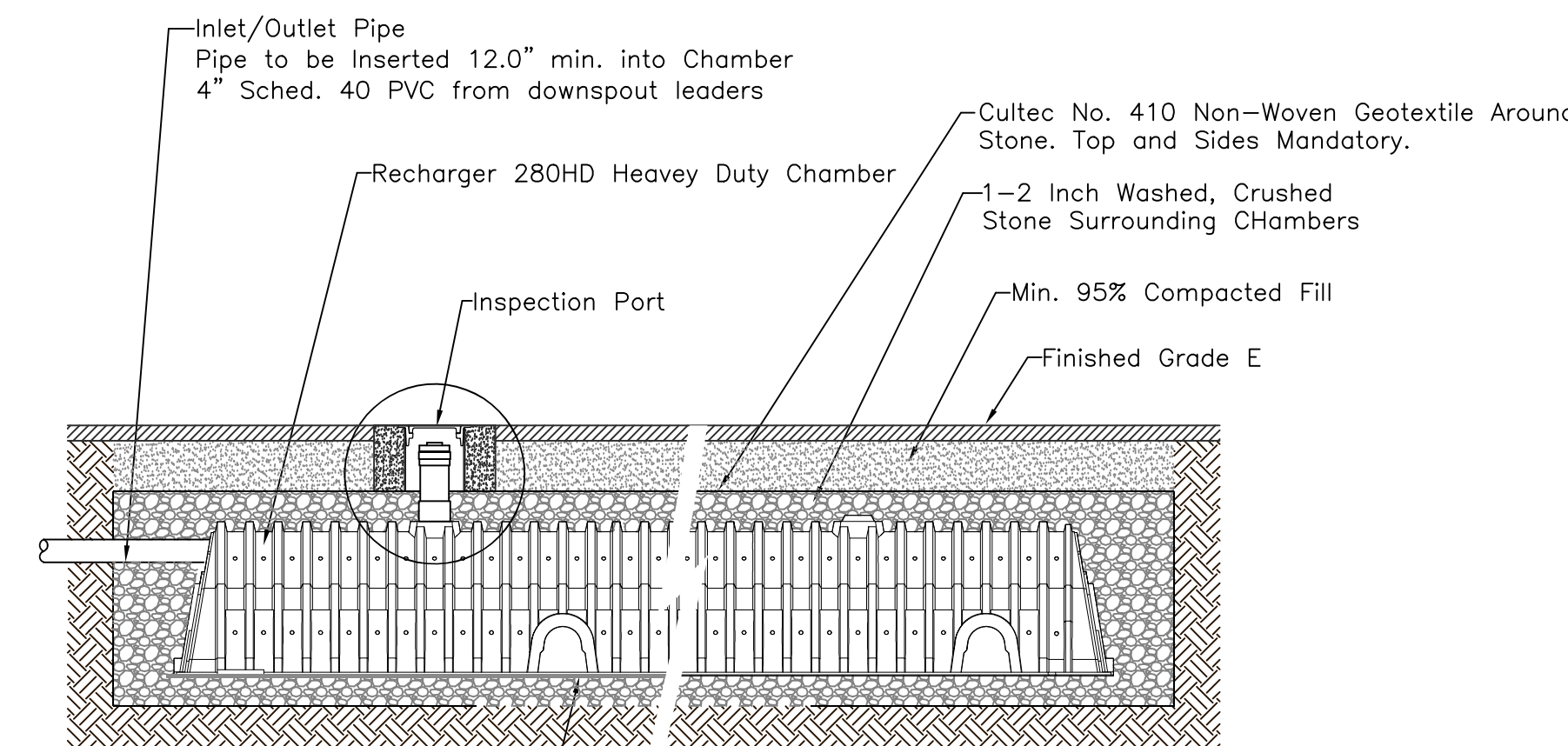
Assr.-Pcl. 26-96
"N/F William H. & Kathleen S. Smith Life Estate"

Assr.-Pcl. 26-95
"N/F Yard LLC"

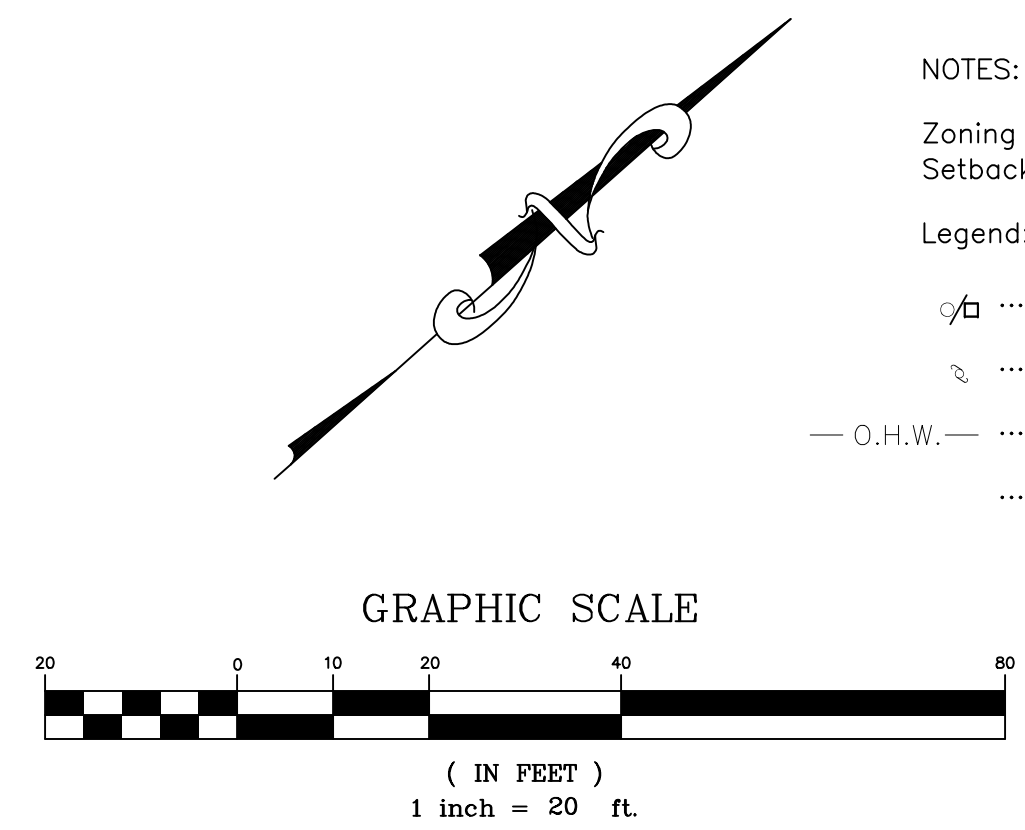
**DETAIL 1
DRAINAGE PIT W/SURFACE GRATE
H=20" LOAD CAP.
(not to scale)**



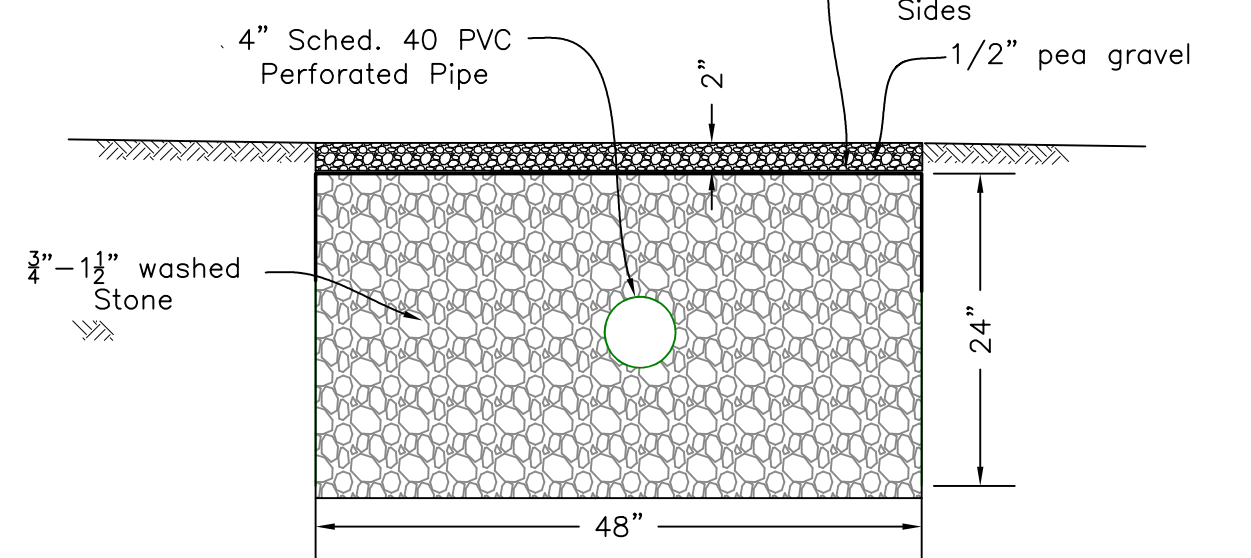
Cultec No. 4800 Woven Geotextile to be Placed Beneath Internal Manifold Feature and Beneath All Inlet/Outlet Pipes (for scour protection)



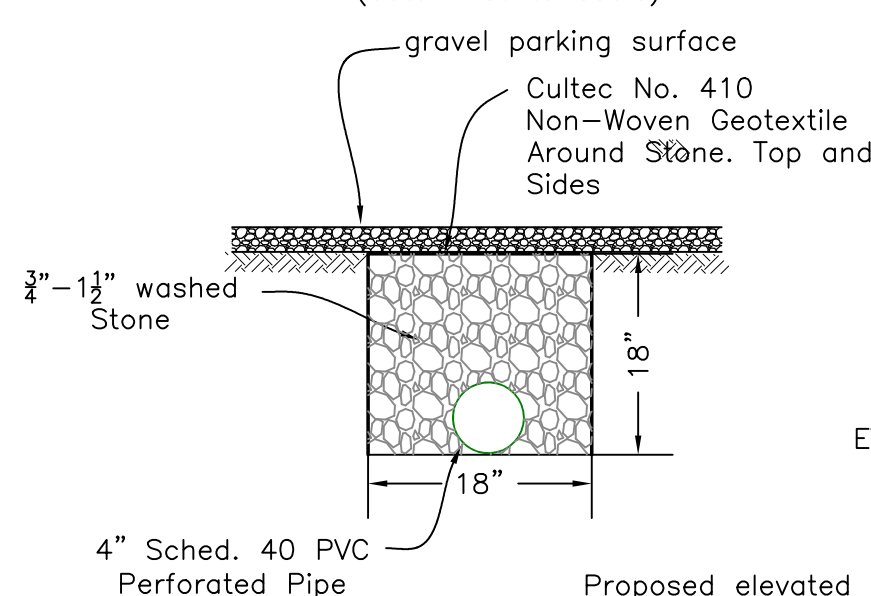
Cultec No. 4800 Woven Geotextile to be Placed Beneath Internal Manifold Feature and Beneath All Inlet/Outlet Pipes (for scour protection)



**DETAIL 2
GRAVEL DIFFUSION TRENCH
(detail not to scale)**



**DETAIL 3
CURTAIN DRAIN TRENCH
(detail not to scale)**



#401 Middle Road
Assr.-Pcl. 26-99

Middle County Road
(Undefined - Public)

Architect
Keenan + Kenny Architects, Ltd.
189 Main Street
Falmouth, Massachusetts 02540
Tel. 508-540-0075

Civil Engineers
Vineyard Land Surveying & Engineering, Inc.
12 Cournoyer Road
W. Tisbury, Massachusetts 02540
Tel. 508-629-0440

Structural Engineers
Coastal Engineering Company, Inc.
280 Cranberry Highway
Orleans, MA 02653
Tel. 508-255-6511

Mechanical, Electrical, Plumbing and Fire Protection Engineers
Griffith & Vary, Inc.
12 Kendrick Road
Wareham, Massachusetts 02571
Tel. 508-295-0050

Landscape Architect
T.L. Studio
35 North Main Street
Falmouth, Massachusetts 02540
Tel. 774-763-2461

Specifications Consultant
ARCHITX, LLC
6 Topsy Drive
Stafford Springs, CT 06076
Tel. 860-872-9627

Cost Estimating Services
Rider Levett Bucknall
Two Financial Center, Suite 810,
60 South Street
Boston, MA 02111
Tel. 617-737-9339

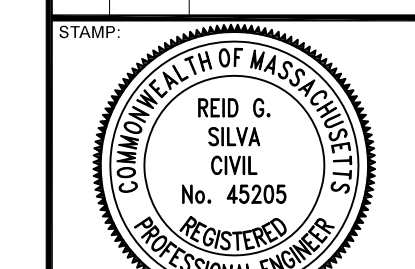
Code Consultant
JENSEN HUGHES
117 Metro Center Blvd
Warwick, Rhode Island 02886
Tel. 401-736-8992

Owner's Project Manager
CHA Consulting, Inc.
1 Faneuil Hall Marketplace
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Tel. 617-365-2880

NEW TOWN EMS HQ FOR THE TOWNS OF AQUINNAH, CHILMARK + WEST TISBURY
MIDDLE ROAD
CHILMARK, MASSACHUSETTS

REVISIONS

NO.	DATE	DESCRIPTION
1	6/16/23	drainage pit and ret. details



July 11, 2023

PROJECT NO: CHILMARK

ISSUED BY: VLSE

ISSUED DATE: 2 FEB 2023

SHEET TITLE: Stormwater drainage plan

SCALE: 1" = 20'

DISCIPLINE: CATEGORY: SUB CATEGORY: SHEET

C2.0