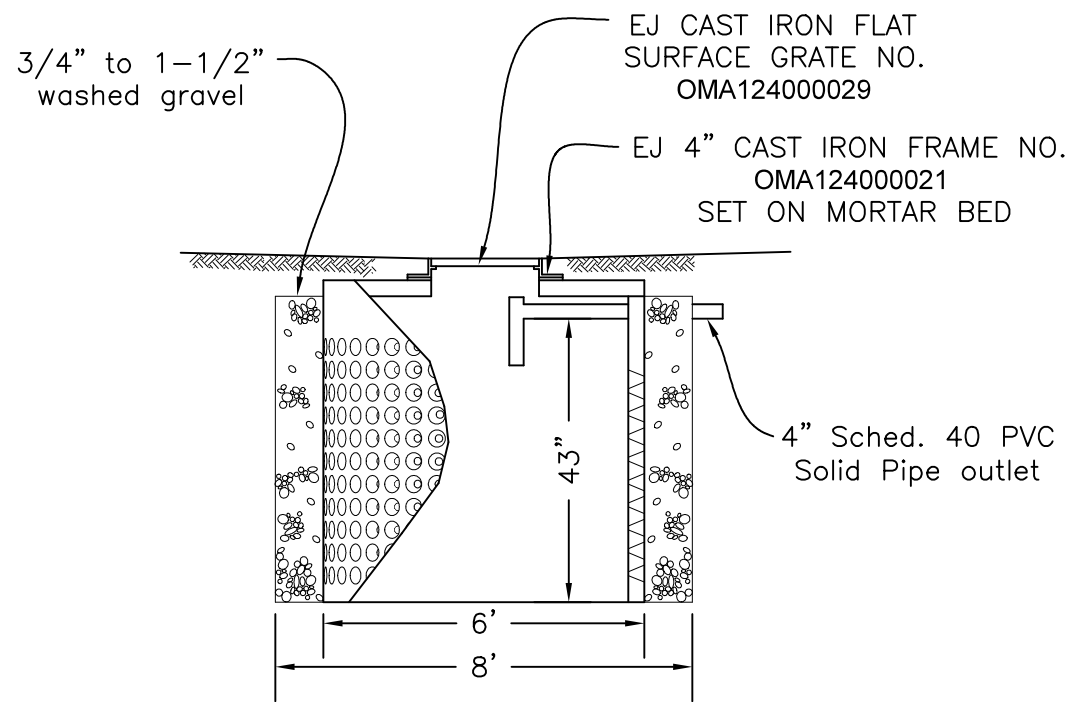
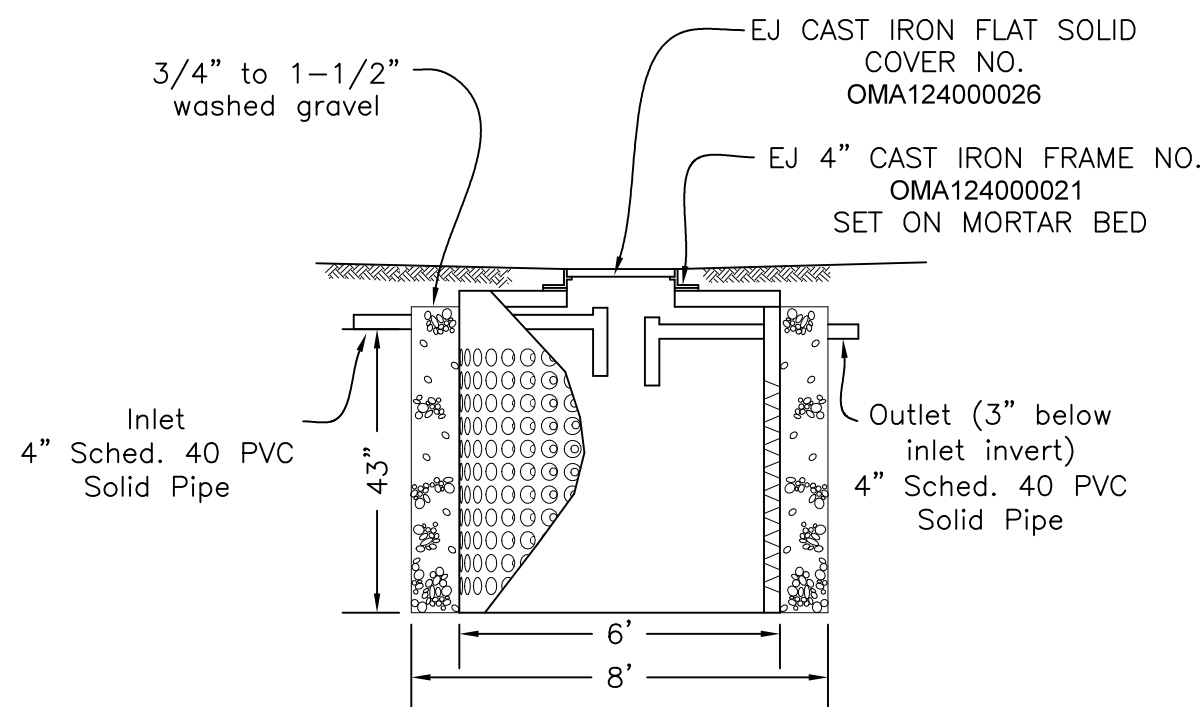


DETAIL 1
DRAINAGE BASIN W/SURFACE GRATE DETAIL
H-20 LOAD CAP.
(not to scale)



DETAIL 2
DRAINAGE BASIN
H-20 LOAD CAP.
(not to scale)



DESIGN NOTES:

Design Storm Event: 25 Year 1-Hour storm
2.3 Inches/Hour (0.1917 Ft.)
8'x8' Drainage Basin Capacity ±800 Cu.Ft./Hour

RUN OF CALCULATIONS:

Building Area = ±8,055 Sq.Ft.
Roof runoff = 8,055 * 0.1917 = 1,544 CF/hr.
Drainage Provided = 3 Basins * 800 CF/hr. per basin = 2,400 Cf/hr.

Paved/impervious Surfaces = 15,350 SF + 6011 SF = 21,361 SF
Paved area runoff = 21,361 SF * 0.1917 Ft/hr. = 4,095 CF/hr.
Drainage Provided = 6 Basins * 800 CF/hr. per basin = 4,800 Cf/hr.

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. Location of existing drainage structures is approximate (per owner locations)
3. Construction of the drainage system shall not occur during periods of rain or snow to avoid siltation.
4. Gravel used shall for the Drainage structures shall be 1" - 2" washed stone unless otherwise specified.
5. Drainage pits have be designed for clean sands with a permiability of 40 ft per day or greater. If soil conditions found during excavation difer from clean sand, the design engineer shall be notified before proceeding with the installation.
6. There shall be no heavy machinery used within 3' above any leaching area, to avoid compaction.
7. The down spout drain line shall consist of 4" shed. 40 PVC solid pipe and have a negative pitch to the leaching area of 2% minimum.
8. Elevation Datum ±U.S.G.S.

LEGEND:

- Denotes Down Spout Drain
- Denotes 4" PVC drain pipe with flow direction

SITE INFORMATION

#26 East Line Road
Assr.-Pcl. 24-2.34
Area = ±33,699 Sq.Ft.

Parking & Stormwater Drainage

Plan in

Edgartown, Mass.

Prepared for

Big Sky Tents

Scale 1" = 20' February 21, 2022



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