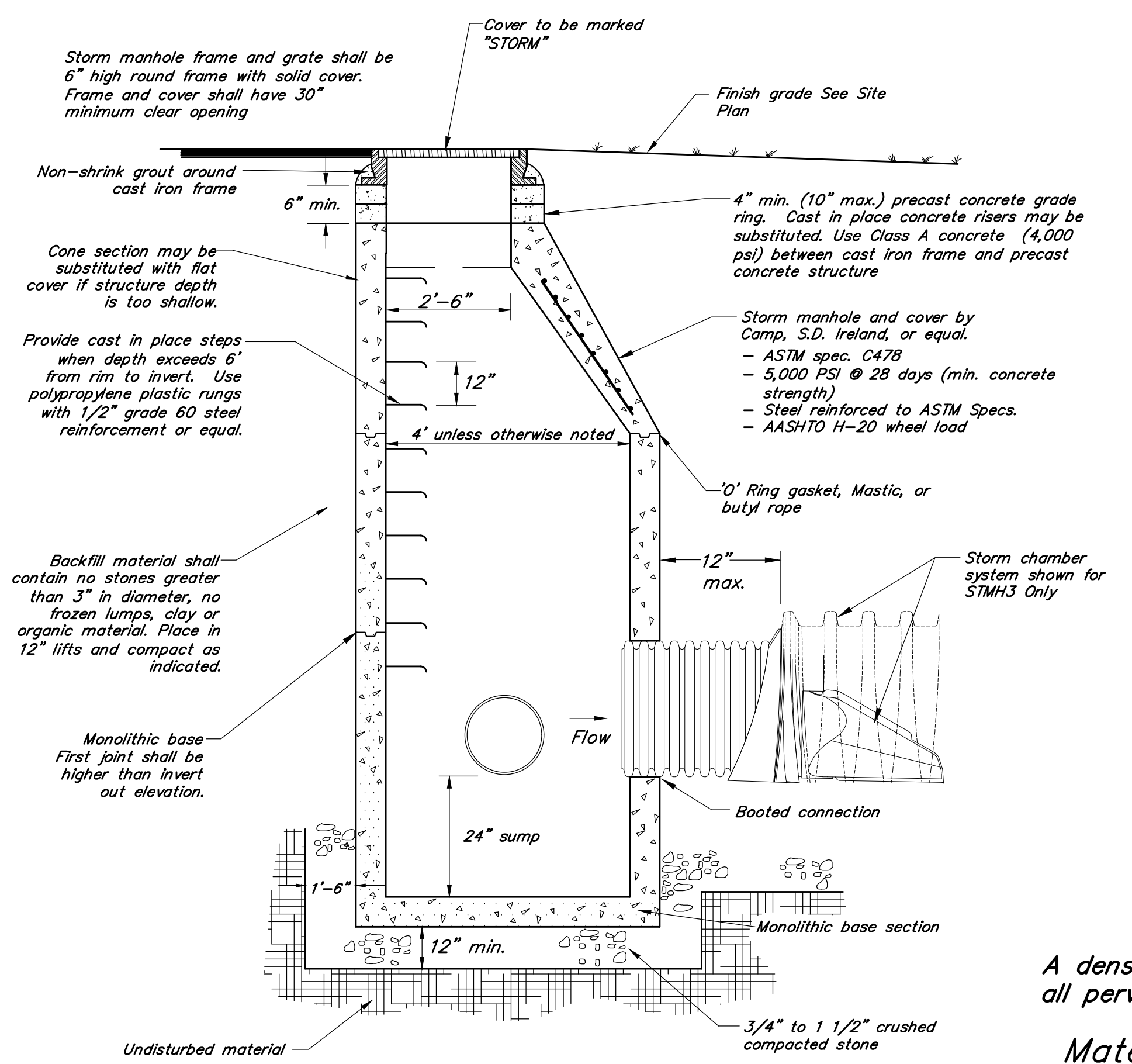
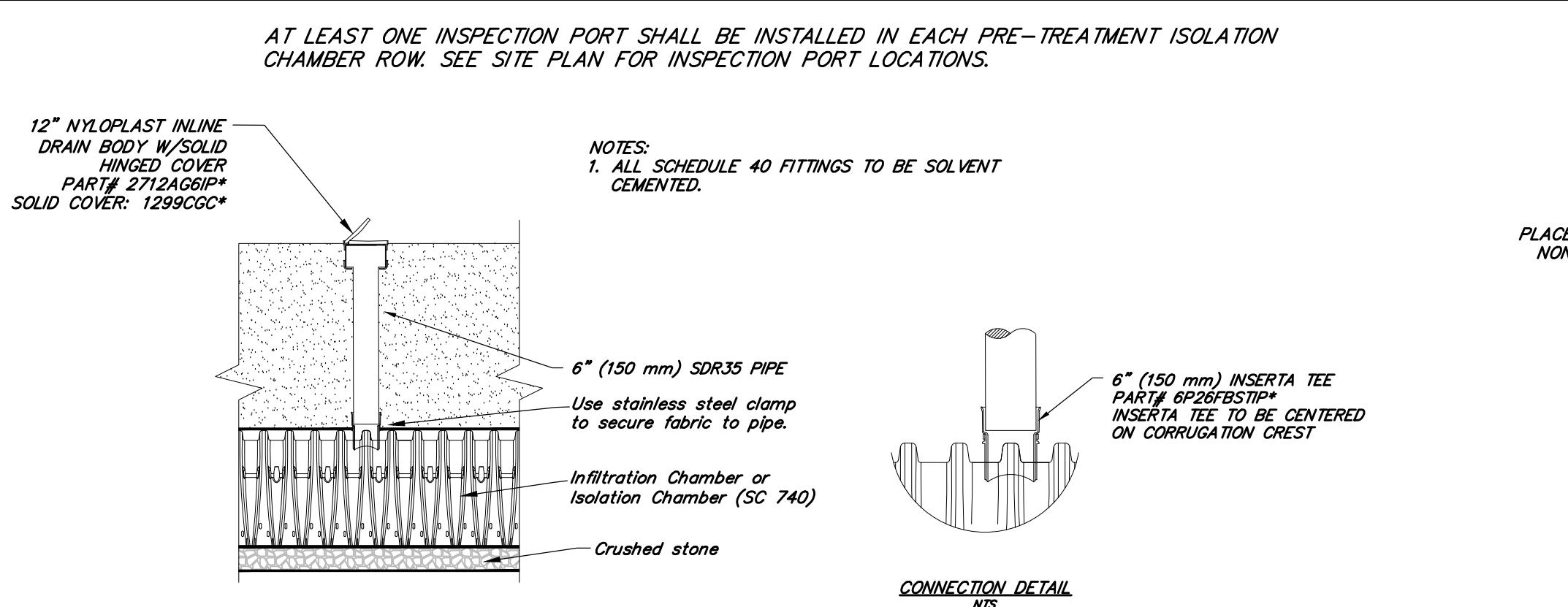


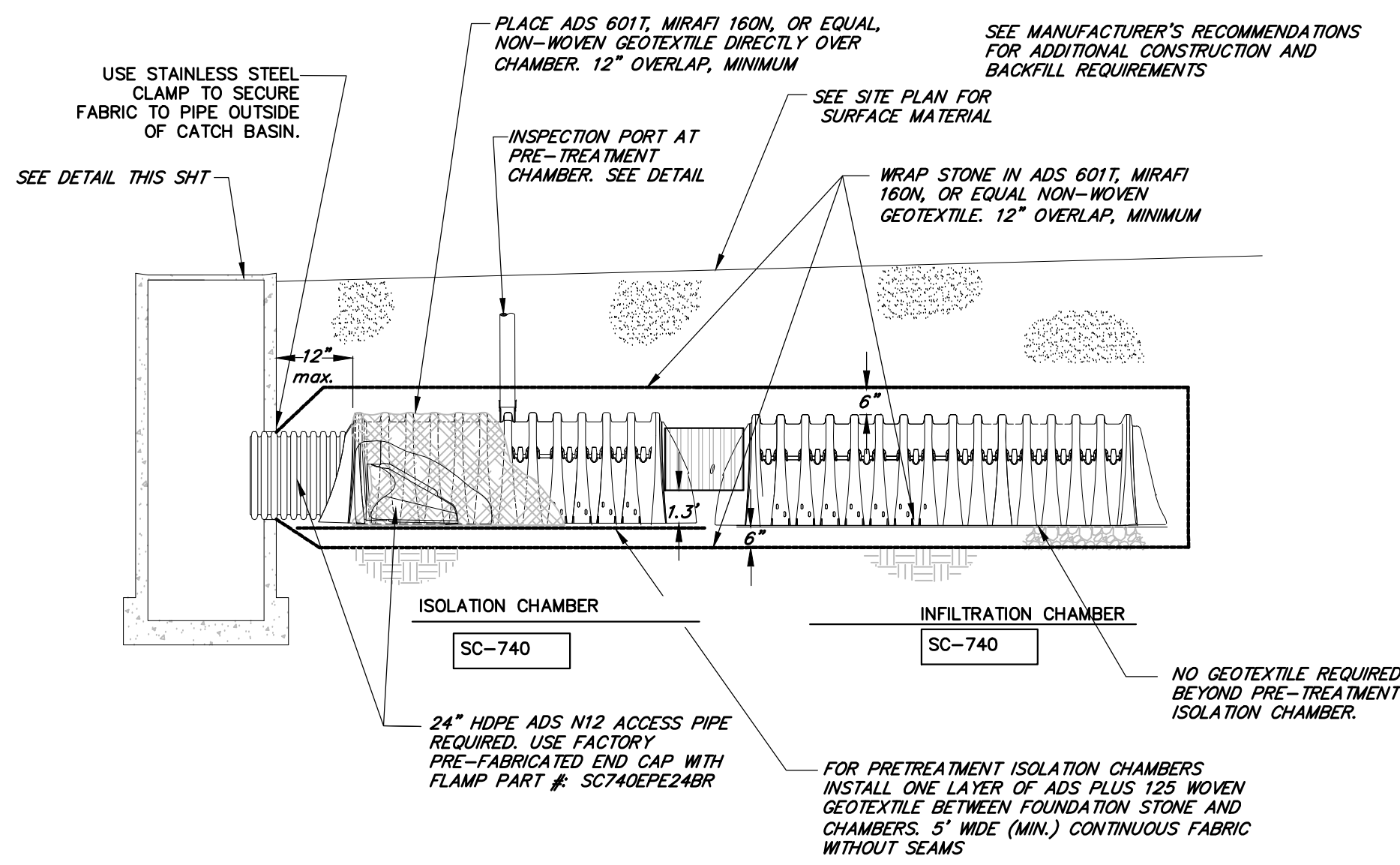
Typical Catch Basin/Storm Manhole Detail
N.T.S.



Typical Storm Manhole Detail
N.T.S.



Typical Inspection Port Cross Section
N.T.S.



Infiltration System Construction Notes:
All upstream/upslope construction shall be complete and stabilized prior to allowing runoff to enter any infiltration systems. "Stabilized" shall mean paved surfaces, washed crushed stone, or vegetated areas that have established a dense and vigorous vegetative cover.

Stormtech Chamber System
N.T.S.

BIORETENTION SOIL CHARACTERISTICS

Parameter	Value
pH range	5.2 to 7.00
Organic matter	3% maximum by volume
Soil (loamy sand, sandy loam, or loam)	
Sand	85% to 88% passing by weight
Silt	5% to 12% passing by weight
Clay	0% to 2% passing by weight
Mulch	Bark Mulch - Submit sample for approval
Available Phosphorus	0.2%

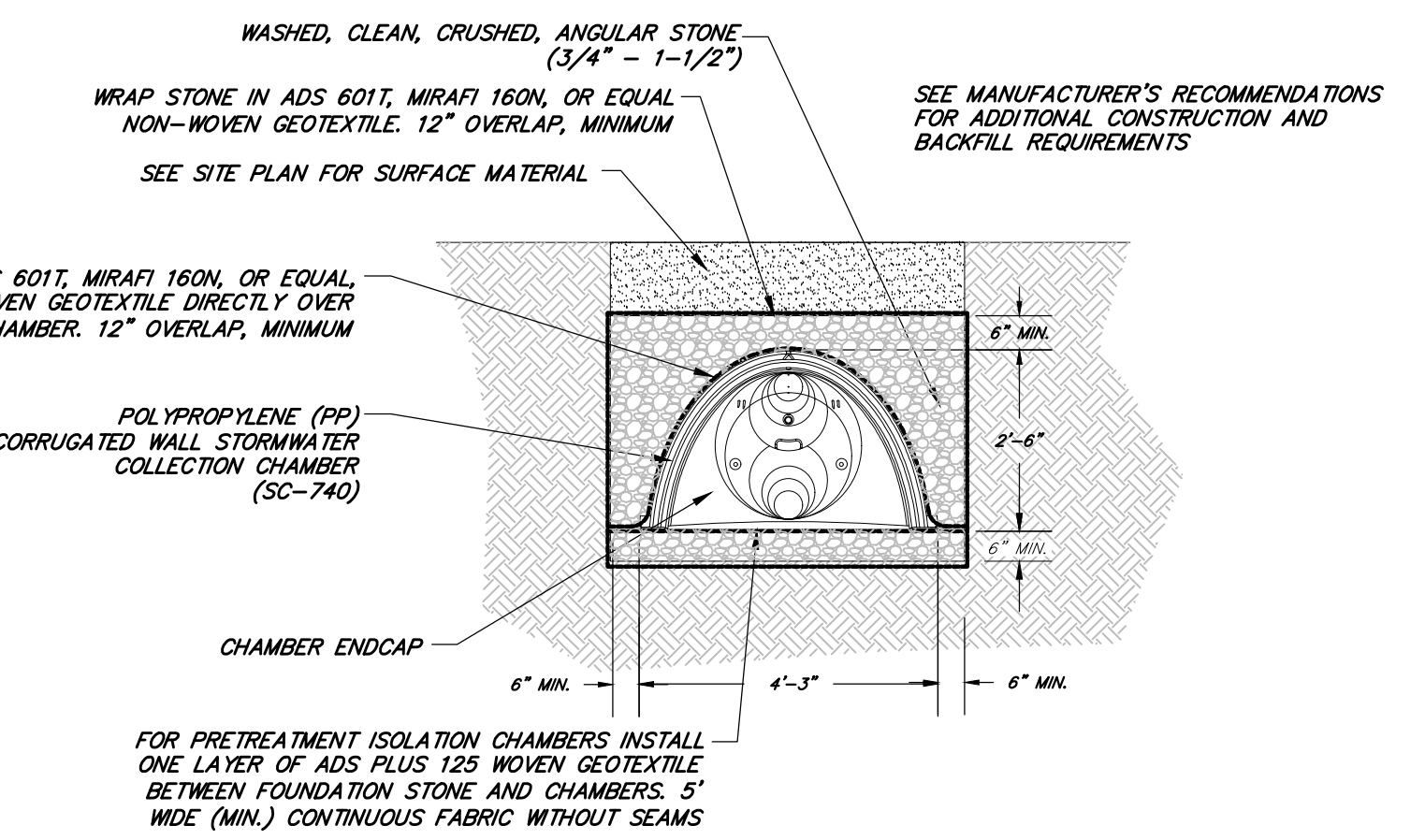
A dense and vigorous vegetative cover shall be established over all pervious drainage areas upslope of the bioretention areas.

Material Specifications:

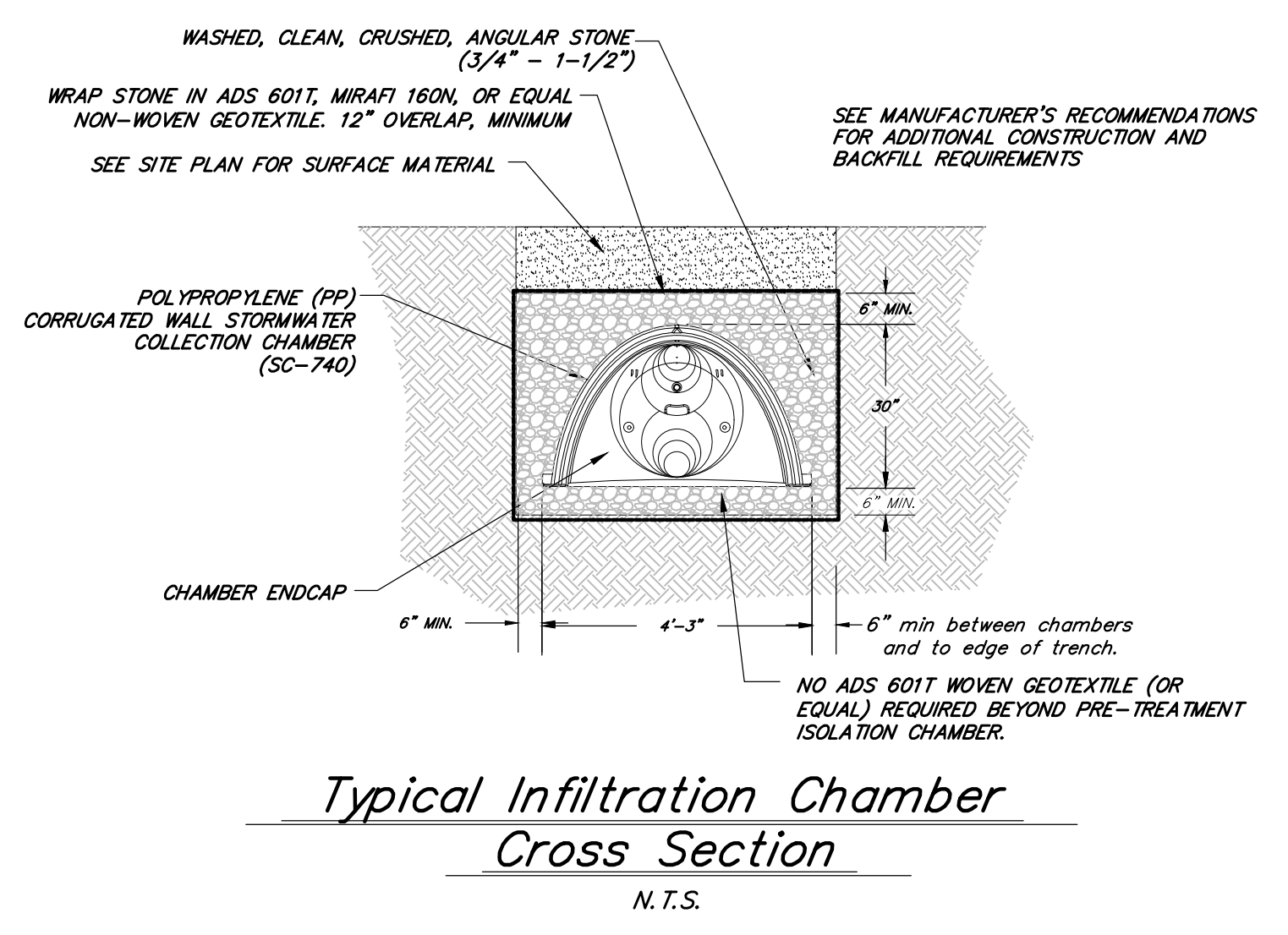
Gravel Filter Layer - Material shall meet specifications outlined in the current VAOI Standard Specifications for Construction, Section 704.05, Crushed Gravel for Subbase. The crushed gravel shall meet the gradation specifications in Table 704.05B for Fine Graded (2" minus).

Type I Stone Fill - Material shall meet specifications outlined in the current VAOI Standard Specifications for Construction, Section 706.04(d). Stone for stone fill shall be approved, hard, blasted, angular rock other than serpentine rock containing the fibrous variety chrysotile (asbestos). Only Limestone, Dolomite, or Quartzite shall be allowed. The least dimension of stone shall be greater than 33% of the longest dimension. Stone fill shall be reasonably well graded from smallest to the maximum size stone specified so as to form a compact mass when in place.

The longest dimension of the stone shall vary from 1 to 12 inches, and at least 50% of the volume of the stone in place shall have a least dimension of 4 inches.



Typical Pretreatment Isolation Chamber Cross Section
N.T.S.

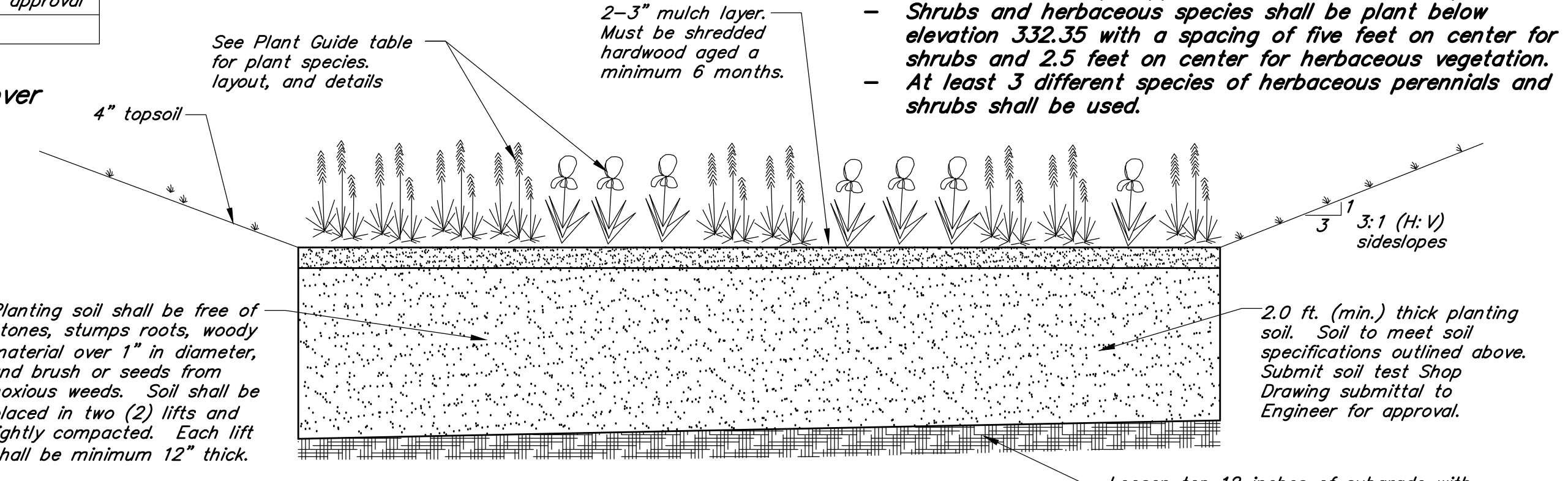


Typical Infiltration Chamber Cross Section
N.T.S.

PLANT GUIDE FOR STORMWATER BIORETENTION AREAS

TREES	SHRUBS	HERBACEOUS SPECIES
Acer rubrum (Red Maple)	Hamamelis virginiana (Witch Hazel)	Iris versicolor (Blue Flag)
Juniperus virginiana (Eastern Red Cedar)	Ilex verticillata (Winterberry)	Labella cardinalis (Cardinal Flower)
Platanus occidentalis (Sycamore)	Viburnum dentatum (Arrowhead)	Rudbeckia laciniata (Cutleaf Coneflower)
Salix nigra (Black Willow)	Alnus serrulata (Brook-side Alder)	Scirpus cyperinus (Woolgrass)
Pinus rigida (Pitch Pine)	Cornus stolonifera (Redosier Dogwood)	Scirpus pungens (Three Square Bulrush)

- From this list at least 8 trees shall be planted above elevation 332.35 (in approximate locations shown).
- Shrubs and herbaceous species shall be planted below elevation 332.35 with a spacing of five feet on center for shrubs and 2.5 feet on center for herbaceous vegetation.
- At least 3 different species of herbaceous perennials and shrubs shall be used.



Bioretention Planting Soil Bed Detail
N.T.S.

NO.	DESCRIPTION	DATE
1	Adjust Storm Chambers, Add STMH 4	3/2/23

JANNEF HOLDINGS, LLC PROPERTY
326 College Street, Burlington, VT

CIVIL DETAILS

DRAWN BY:	SLM
PROJECT NO:	18213
DATE:	2/13/23
REVISED:	
SCALE:	As Noted

CD-2

Project Phase
PERMIT DRAWINGS ONLY.
NOT FOR CONSTRUCTION
18213/DWGS/18213 Farrell 326 College Details.dwg