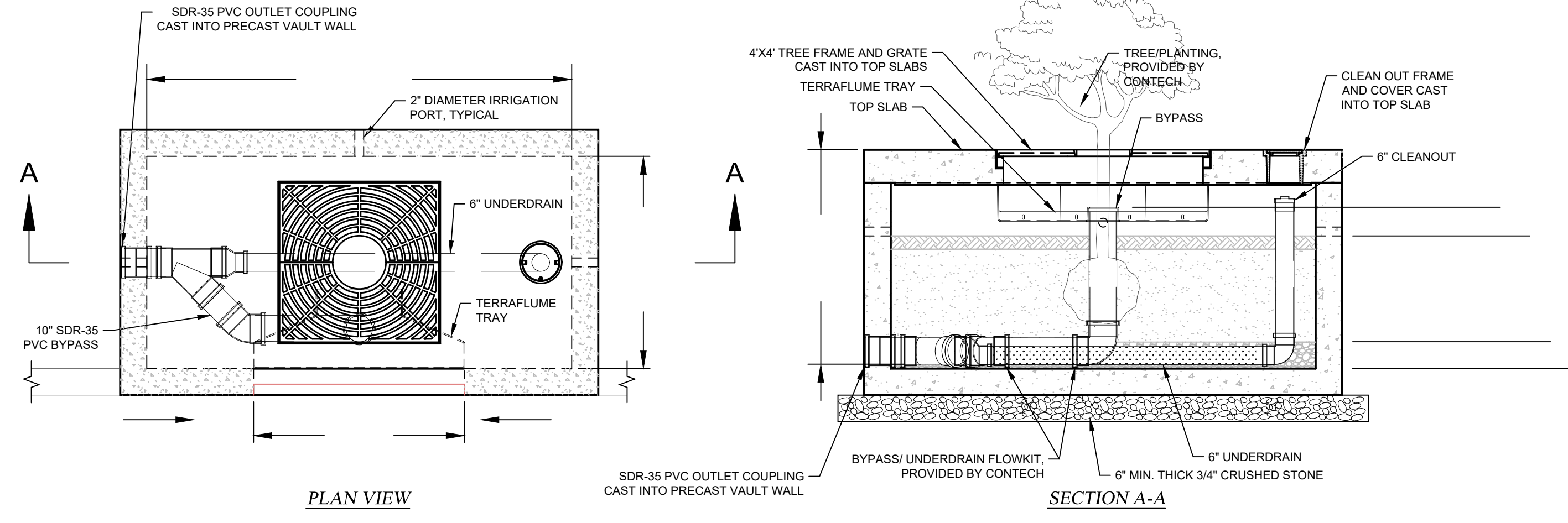
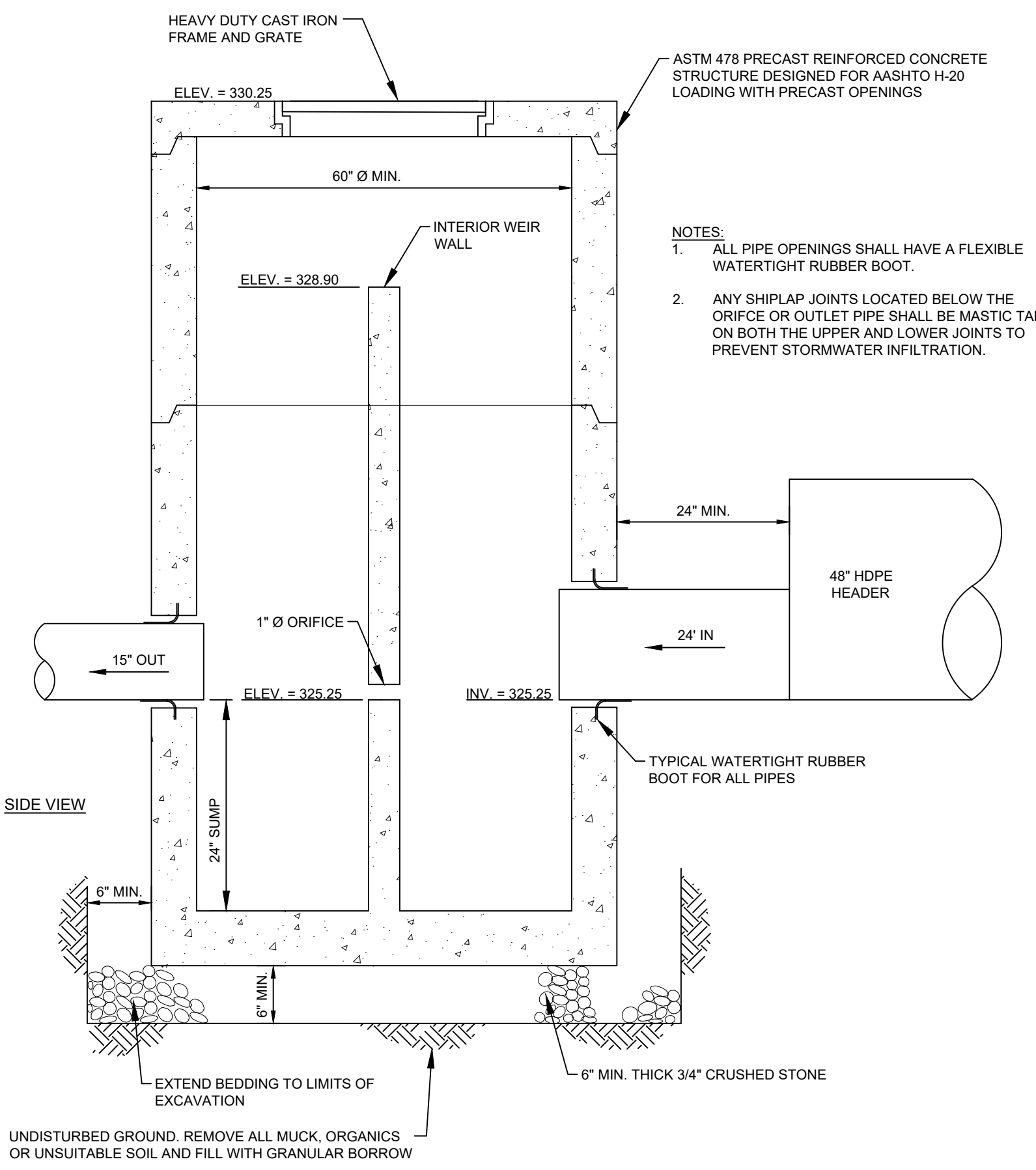
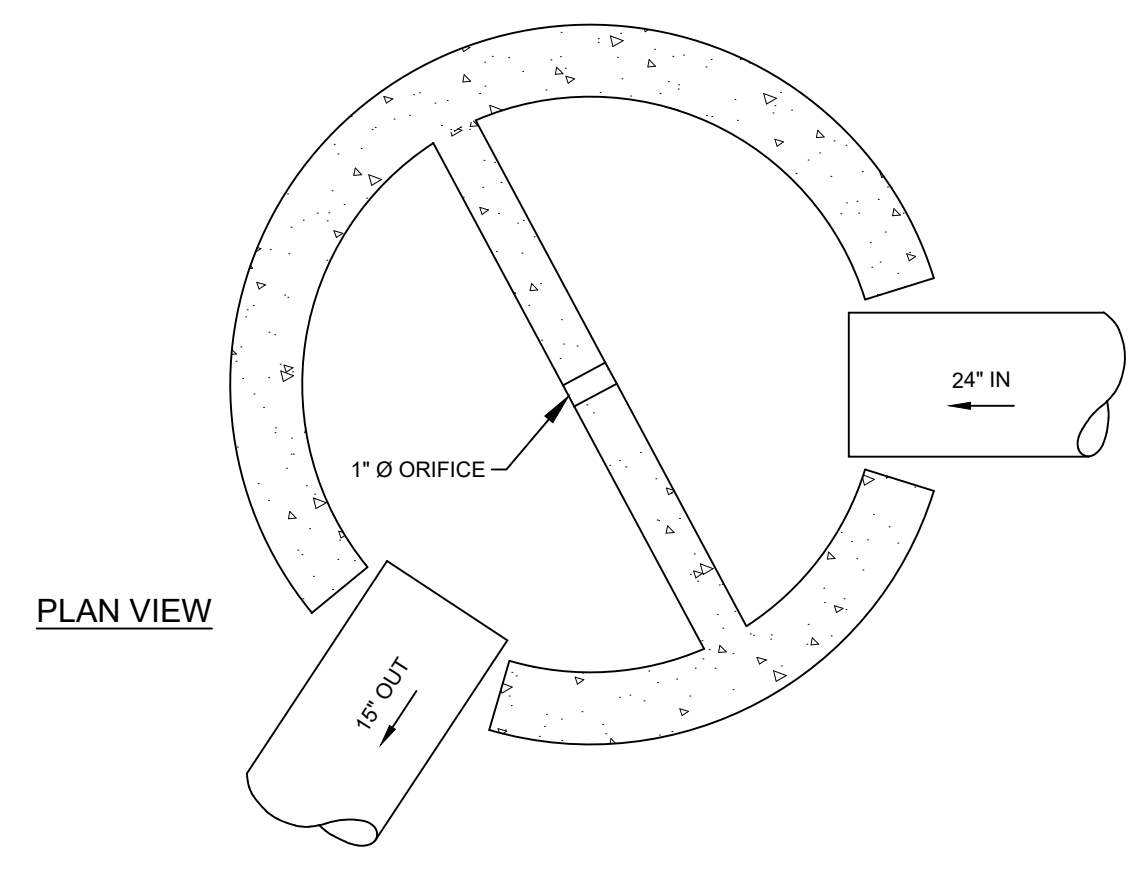


KAILEY'S WAY STORMWATER TREATMENT & DETENTION
1" = 20'

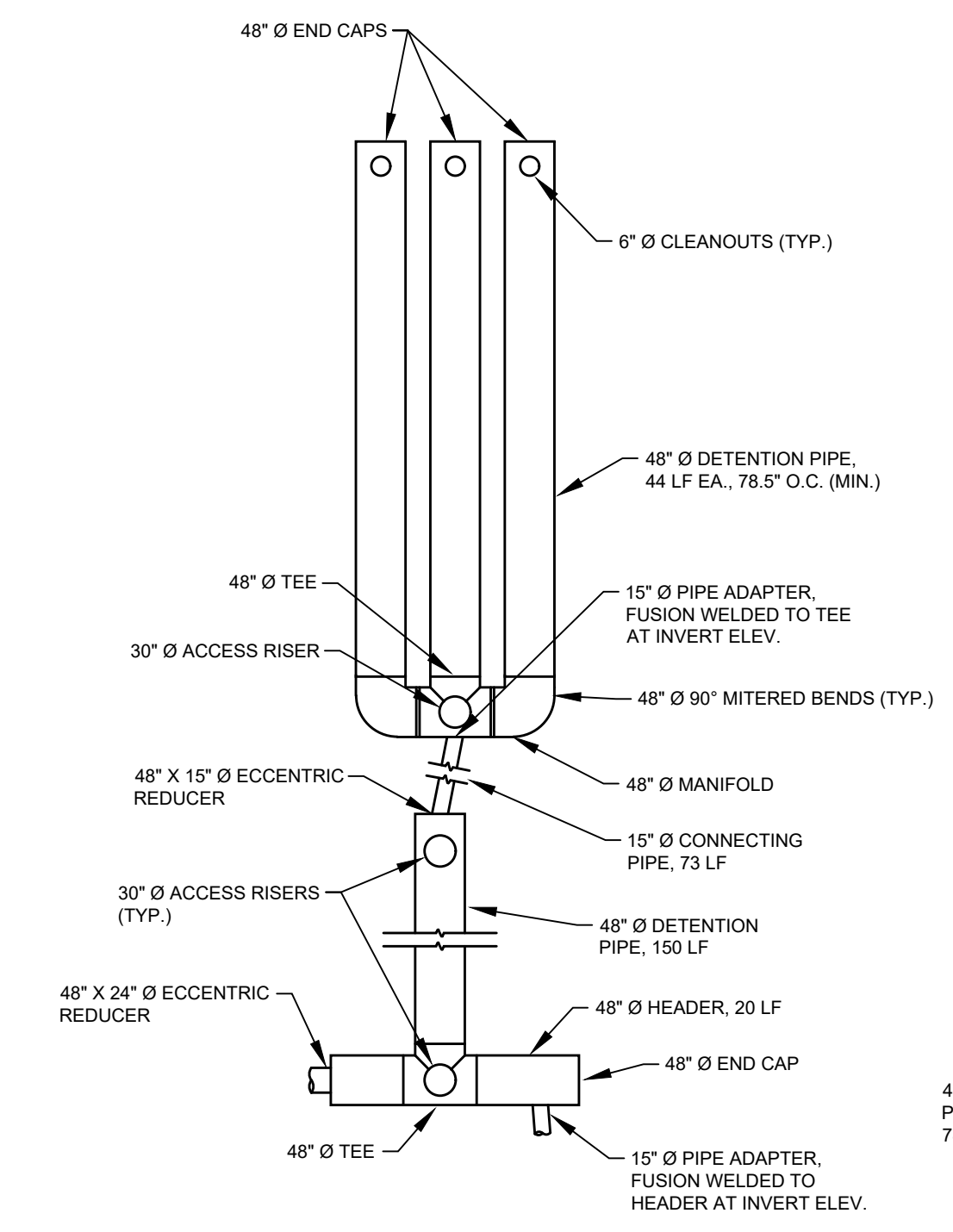
- NOTES:**
- CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS NECESSARY TO INSTALL THE BIORETENTION SYSTEM. APPURTENANCES AND INCIDENTALS IN ACCORDANCE WITH THE DRAWINGS.
 - ALL INTERNAL COMPONENTS, INCLUDING ENGINEERED BIOFILTRATION MEDIA, UNDERDRAIN STONE, PVC UNDERDRAIN PIPING, MULCH, DISSIPATION STONE, AND VEGETATION MUST BE INCLUDED AS PART OF THE BIORETENTION SYSTEM AND SHALL BE PROVIDED BY CONTECH ENGINEERED SOLUTIONS LLC.
 - COMPACT UNDISTURBED SUBGRADE MATERIAL TO 95% MAXIMUM DENSITY. UNSUITABLE MATERIAL BELOW SUB-GRADE SHALL BE REPLACED AS DIRECTED BY ENGINEER.
 - BACKFILL MATERIAL SHALL BE 3/4" MINUS CRUSHED STONE, OR APPROVED EQUAL.
 - INLET AND OUTLET PIPES SHALL BE ATTACHED TO PROVIDED COUPLERS OR GROUTED IN. ALL CONNECTIONS TO BE WATER TIGHT.
 - THE BIORETENTION SYSTEM SHALL NOT BE PLACED IN OPERATION UNTIL THE PROJECT SITE IS CLEAN AND UPSTREAM CONTRIBUTING AREAS ARE STABILIZED. ACTIVATION SHALL BE PROVIDED BY MANUFACTURER OR AUTHORIZED SUPPLIER.
 - CORRECTLY INSTALLED SYSTEM SHALL BE MAINTAINED BY MANUFACTURER OR AUTHORIZED SUPPLIER FOR A MINIMUM PERIOD OF ONE YEAR.
 - ANNUAL INSPECTION AND MAINTENANCE SHALL BE PERFORMED ON THE SYSTEM PER THE LATEST FILTERRA BIORETENTION SYSTEM OPERATION AND MAINTENANCE MANUAL.



FILTERRA BIORETENTION SYSTEM W/ INTERNAL BYPASS (FTBC1006)
NTS

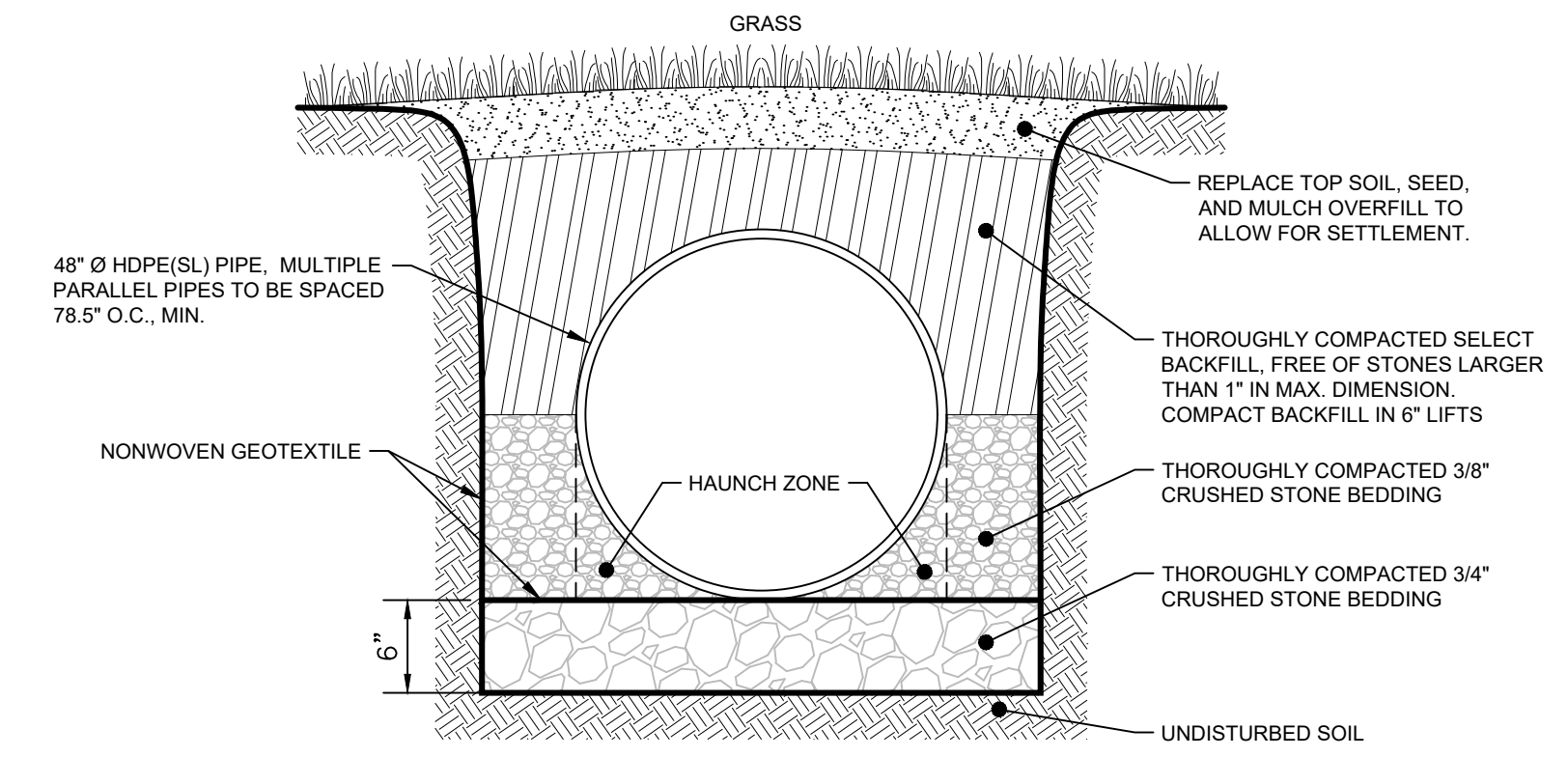


DMH2 DETAIL
NTS

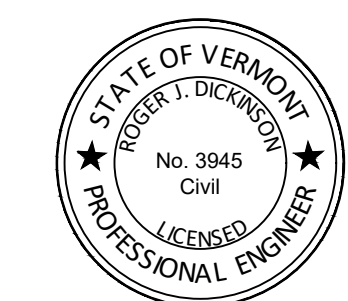


UNDERGROUND PIPE STORAGE SPECIFICATIONS

- PIPE SPECIFICATIONS**
- DETENTION PIPES AND FITTINGS SHALL UTILIZE THE ADS LANDMAX DETENTION PIPE SYSTEM, OR APPROVED EQUAL.
 - DETENTION PIPE SHALL BE ADS N-12 WT IB PIPE, OR APPROVED EQUAL, WITH A SMOOTH INTERIOR AND ANNUAL EXTERIOR CORRUGATIONS.
 - ALL FITTINGS, COUPLINGS AND JOINTS SHALL BE WATER TIGHT CONSTRUCTION.
 - PIPES AND FITTINGS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 - ACCESS RISERS SHALL BE 30" Ø PIPE, FUSION WELDED TO THE 48" Ø PIPE. ACCESS COVERS SHALL BE 30" HEAVY DUTY COVERS FOR CORRUGATED PIPE, POLY-LOK 3010-C30, OR EQUAL. INSTALL COVERS FLUSH WITH FINAL GRADE.
 - USE GASKETED INSERTA-TEES TO CONNECT 6" Ø CLEANOUT RISER PIPE TO 48" Ø DETENTION PIPE. CLEANOUT RISER PIPE AND CAPS TO BE SDR35 PVC.
- FOUNDATION/BEDDING PREPARATION**
- MINIMUM WIDTH DEPENDS ON SITE CONDITIONS AND ENGINEERING JUDGEMENT.
 - A WET TRENCH SHALL BE DEWATERED PRIOR TO INSTALLING BEDDING.
 - PRIOR TO PLACING THE BEDDING, THE FOUNDATION MUST BE CONSTRUCTED TO A UNIFORM AND STABLE GRADE. IN THE EVENT THAT UNSUITABLE FOUNDATION MATERIALS ARE ENCOUNTERED DURING EXCAVATION, THEY SHALL BE REMOVED AND BROUGHT BACK TO THE GRADE WITH A FILL MATERIAL AS APPROVED BY THE ENGINEER.
 - HAUNCH ZONE MATERIAL SHALL BE PLACED AND UNIFORMLY COMPACTED WITHOUT SOFT SPOTS.
- BACKFILL**
- WHEN PLACING THE FIRST LIFTS OF BACKFILL IT IS IMPORTANT TO MAKE SURE THAT THE BACKFILL IS PROPERLY COMPACTED UNDER AND AROUND THE PIPE HAUNCHES. BACKFILL SHALL BE PLACED SUCH THAT THERE IS NO MORE THAN A TWO LIFT (12") DIFFERENTIAL BETWEEN ANY OF THE PIPES AT ANY TIME DURING THE BACKFILL PROCESS. THE BACKFILL SHALL BE ADVANCED ALONG THE LENGTH OF THE DETENTION SYSTEM AT THE SAME RATE TO AVOID DIFFERENTIAL LOADING ON THE PIPE.
 - OTHER ALTERNATE BACKFILL MATERIAL MAY BE ALLOWED DEPENDING ON SITE SPECIFIC CONDITIONS, AS APPROVED BY SITE ENGINEER.



THIS PLAN WAS ORIGINALLY PREPARED BY LAMOUREUX & DICKINSON CONSULTING ENGINEERS, INC. EDITS TO THIS PLAN AFTER MAY 16, 2022 WERE PERFORMED BY TCE, INC. CLIENT AGREES TO INDEMNIFY AND HOLD HARMLESS TCE, INC. FROM ANY DAMAGES, LIABILITIES OR COSTS, INCLUDING REASONABLE ATTORNEY'S FEES AND DEFENSE COSTS, ARISING OR ALLEGEDLY ARISING FROM ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS BY ANY PRIOR CONSULTANT RETAINED BY THE CLIENT FOR THIS PROJECT.



Date	Revision	MMI	By
08/19/22	EDITS TO ADDRESS STATE SW COMMENTS		

These plans shall only be used for the purpose shown below:

<input type="checkbox"/> Sketch/Concept	<input type="checkbox"/> Act 250 Review
<input type="checkbox"/> Preliminary	<input type="checkbox"/> Construction
<input type="checkbox"/> Final	<input type="checkbox"/> Record Drawing

LANDS OF
HINESBURG CENTER, LLC
VT Route 116 Hinesburg, VT

STORMWATER DETAILS & SPECIFICATIONS

Project No. 19054
Survey N/A
Design NDS/RD
Drawn DLH
Checked RJD
Date 12/14/20
Scale AS NOTED
Sheet number 10

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