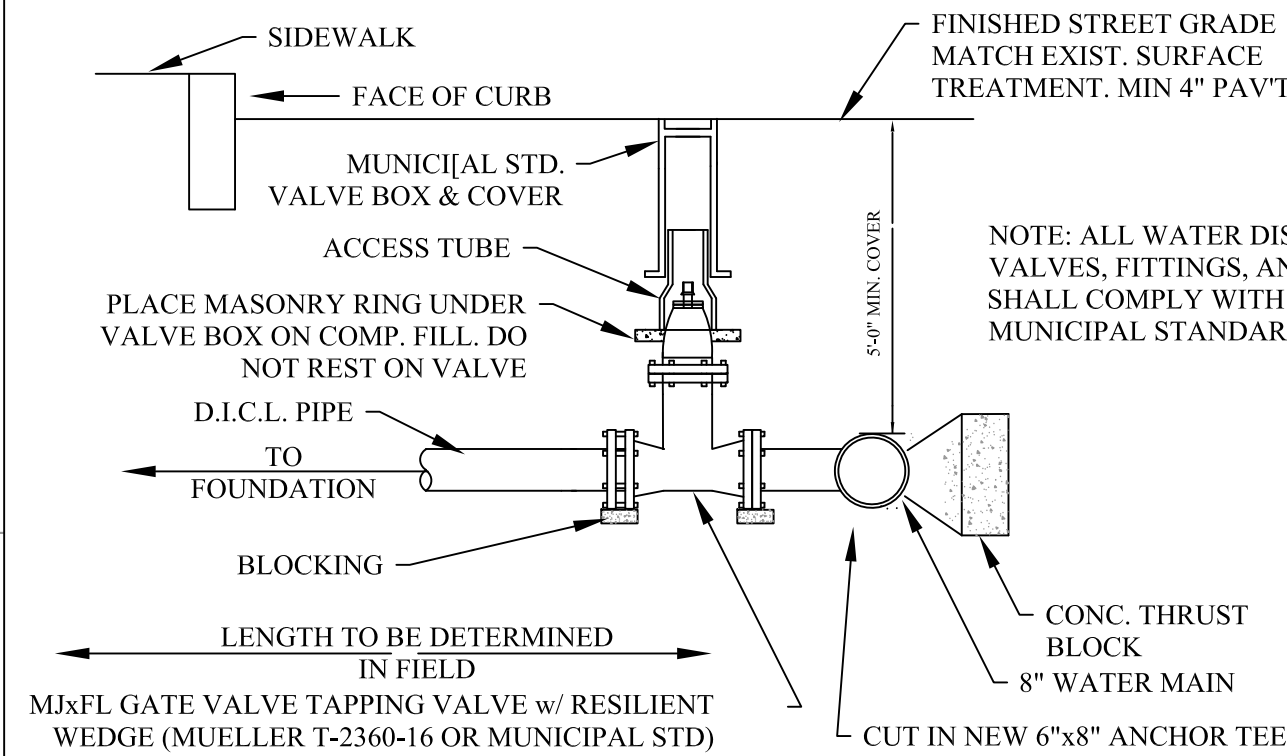


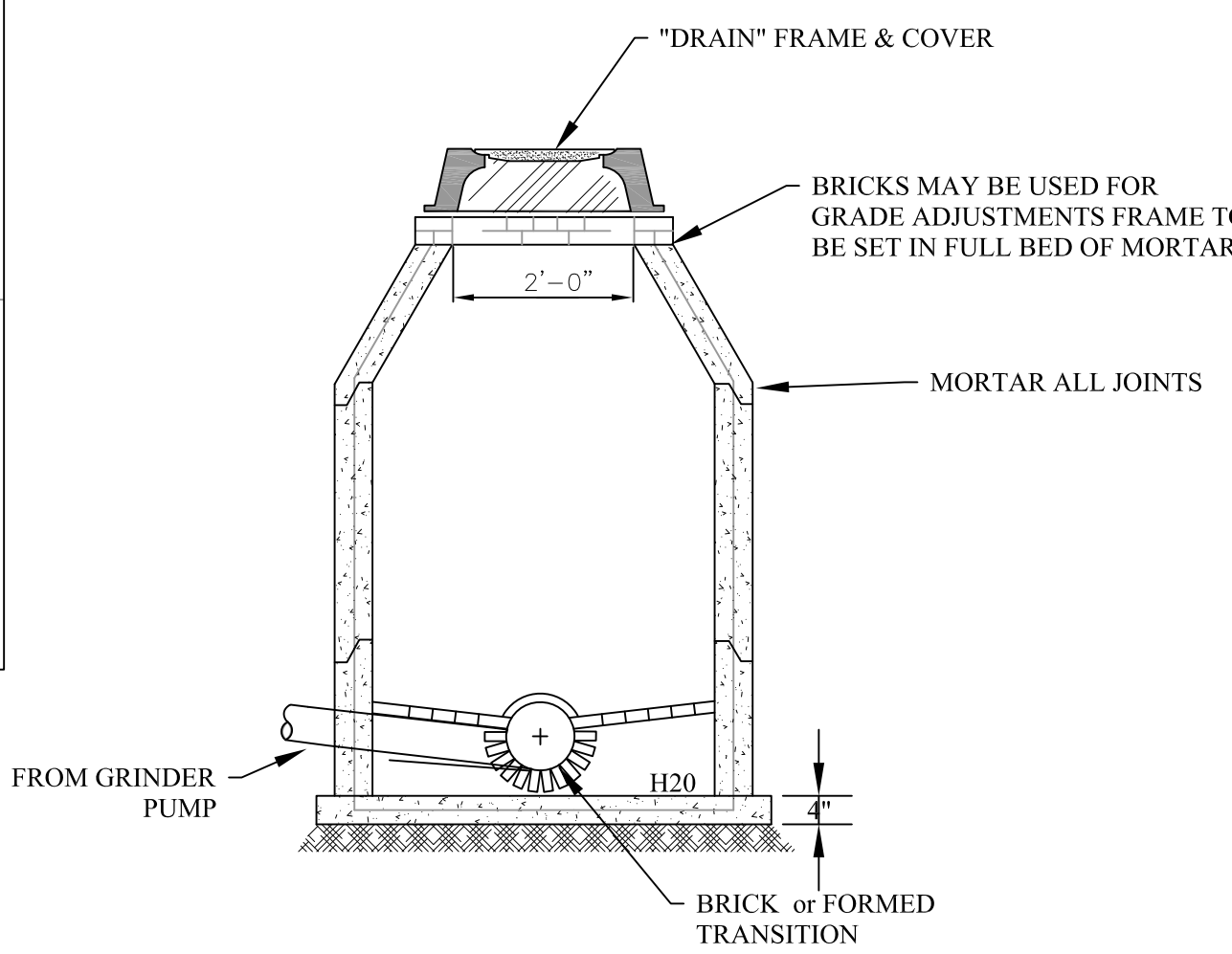
GENERAL NOTES

- THE PURPOSE OF THIS SITE PLAN IS TO DEPICT THE DESIGN AND LAYOUT OF THE DRIVEWAY, BUILDING UTILITIES AND STORM DRAINAGE SYSTEM. FOR ADDITIONAL INFORMATION SEE ARCHITECTURAL, STRUCTURAL AND LAND SURVEY PLANS.
- ROOF RUNOFF IS TO BE COLLECTED BY AREA DRAINS AND PIPED INTERNALLY TO THE INFILTRATION SYSTEM LOCATED UNDER THE DRIVEWAY ENTRANCE.
- THIS PLAN DOES NOT NECESSARILY DEPICT THE EXACT LOCATION OR SIZE OF EXISTING UTILITIES ON THE SITE OR WITHIN THE STREET. IT IS THE CONTRACTORS RESPONSIBLE FOR VERIFYING AND RECORDING THE LOCATION OF EACH UTILITY.
- THE CONTRACTOR SHALL CONTACT THE CITY OF SOMERVILLE FOR THE MARKING OF EXISTING MUNICIPAL UTILITIES, AND SHALL ALSO CONTACT DIG-SAFE AT 1-888-344-7233, FAX 1-800-322-4844. DIGSAFE MUST BE NOTIFIED AT LEAST 72 HOURS PRIOR TO EXCAVATION.
- ALL WORK PERFORMED SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND REGULATIONS OF THE CITY OF SOMERVILLE AND TO ALL APPLICABLE LOCAL AND STATE REGULATIONS.
- THE CONTRACTOR SHALL SUPPLY ALL PIPING, STRUCTURES, MATERIALS, AND APPURTENANCES, NECESSARY TO COMPLETE THE STORM DRAINAGE SYSTEMS AS INDICATED ON THE PLANS.
- THE CITY RESERVES THE RIGHT TO INSPECT ALL PRIVATE FACILITIES DISCHARGING TO MUNICIPAL FACILITIES. DURING EXCAVATION AND CONSTRUCTION OF PIPES AND STRUCTURES, TRENCHES MUST BE ADEQUATELY BRACED TO PROTECT AGAINST CAVE-IN.
- THE CONTRACTOR SHALL TIE IN ALL ROOF DRAINS FROM THE BUILDING TO THE STORM DRAINAGE SYSTEM. COORDINATION WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS IS NECESSARY.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT NO SOIL IS TRACKED FROM THE SITE ONTO CITY STREETS OR SIDEWALKS. NO VEHICLES MAY PARK ON CITY SIDEWALKS AT ANY TIME.
- AN AS-BUILT DRAWING (CERTIFIED BY A PROFESSIONAL ENGINEER) OF THE PROPOSED SITE WORK, INCLUDING BUILDING FOOTPRINT, UTILITIES ABANDONED AND INSTALLED, DRAINAGE IMPROVEMENTS AND FINAL GRADING MUST BE SUBMITTED TO THE DPW. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE ENGINEER AND SOMERVILLE DPW FOR INSPECTION PRIOR TO BACKFILLING.
- SOIL TESTS AT THE LOCATION OF THE INFILTRATION SYSTEM WILL BE PERFORMED PRIOR TO START OF CONSTRUCTION TO CONFIRM SOIL CONDITIONS.
- FIRE SERVICE SIZE IS PER THE OWNERS MECHANICAL ENGINEER/FIRE SUPPRESSION DESIGNER. THE CONTRACTOR SHALL VERIFY SIZE PRIOR TO CONSTRUCTION.
- EXTERIOR FOUNDATION WALLS ON SIDE OF PROPOSED INFILTRATION SYSTEM MUST BE WATER PROOFED TO PREVENT POTENTIAL MIGRATION OF STORMWATER INTO LOWER LEVEL SPACES. FOOTING DRAINS AND CRUSHED STONE BELOW LOWER LEVEL SLAB SHOULD BE INSTALLED WITH OUTLET AT BACK OF PROPOSED RETAINING WALL. SEE STRUCTURAL PLANS FOR DETAILS.
- THE CONTRACTOR SHALL VIDEO INSPECT EXISTING SEWER SERVICE AND DETERMINE IT'S CONDITION. IF IN POOR CONDITION, THE ENGINEER SHALL BE NOTIFIED AND THE SERVICE UPGRADED TO 6" SDR35.
6. FLAG ALL TREES 2" AND LARGER TO BE REMOVED FIVE WORKING DAYS BEFORE PLANNED REMOVAL. NOTIFY ENGINEERING DEPARTMENT ON THE DAY OF FLAGGING.



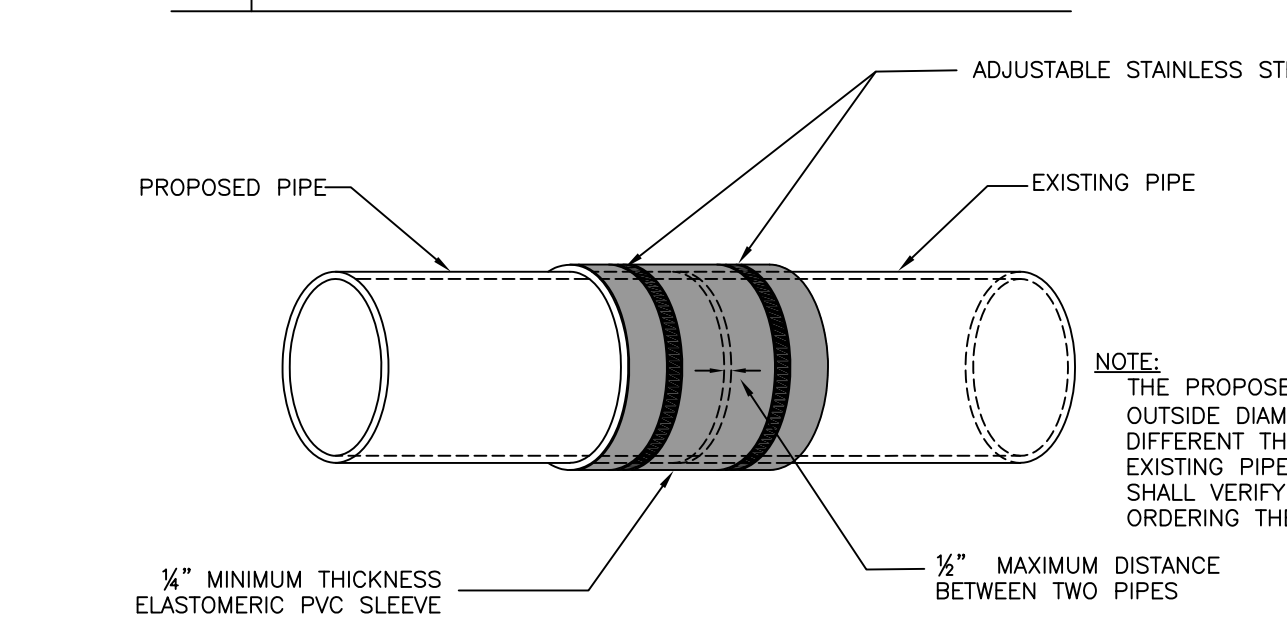
WATER CONNECTION 4 INCH

NOT TO SCALE



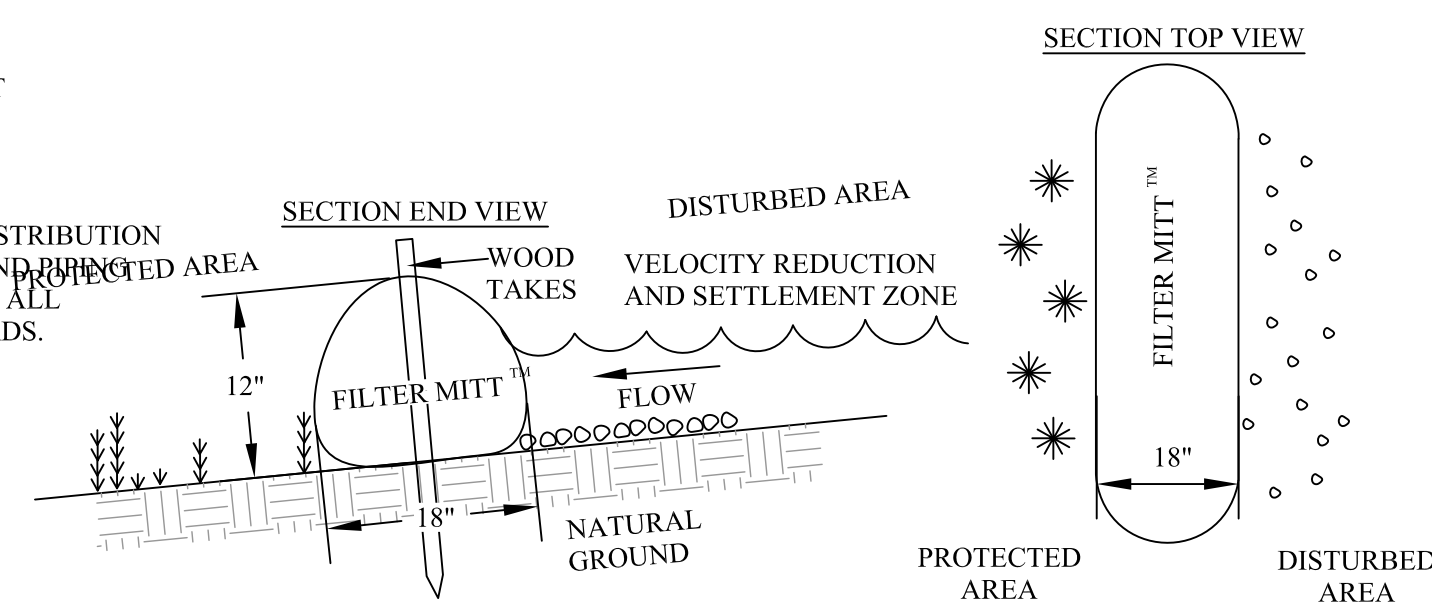
SMH MH w/ FRAME & COVER

NOT TO SCALE



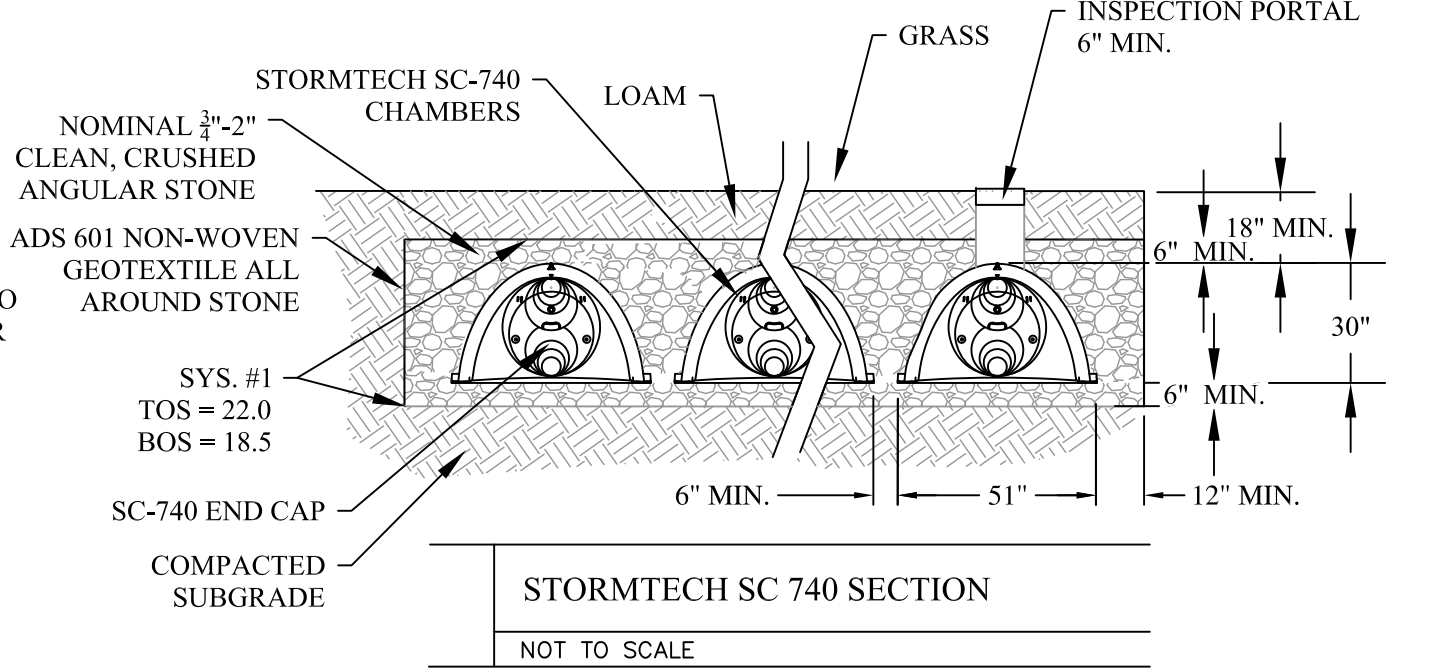
TYP. SEWER & DRAIN COUPLING

NOT TO SCALE



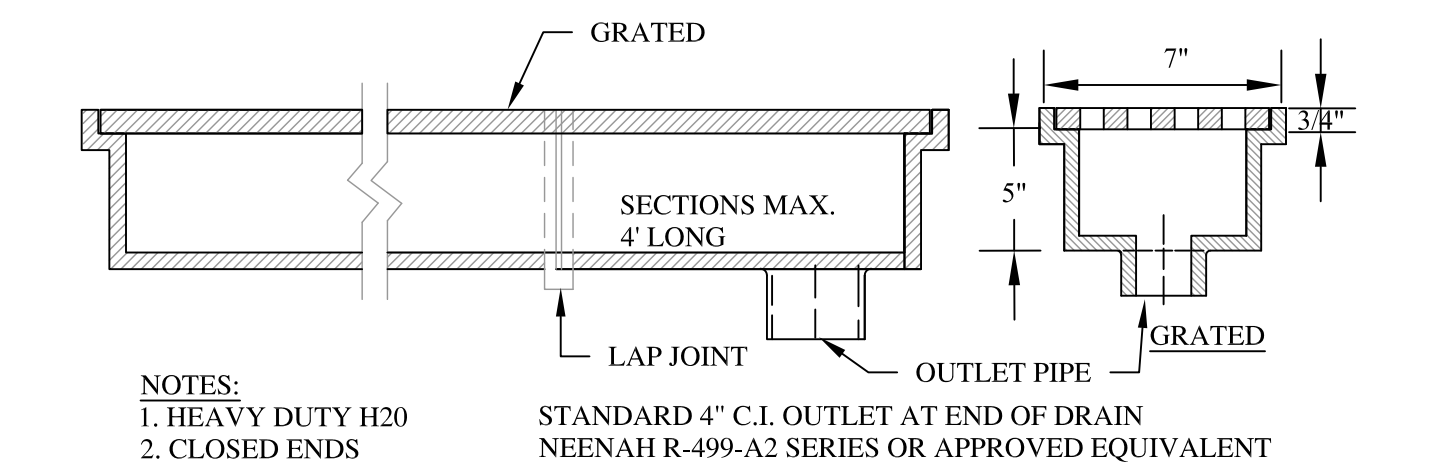
EROSION CONTROL - FILTER MITT (OR APPROVED EQUIVALENT)

NOT TO SCALE



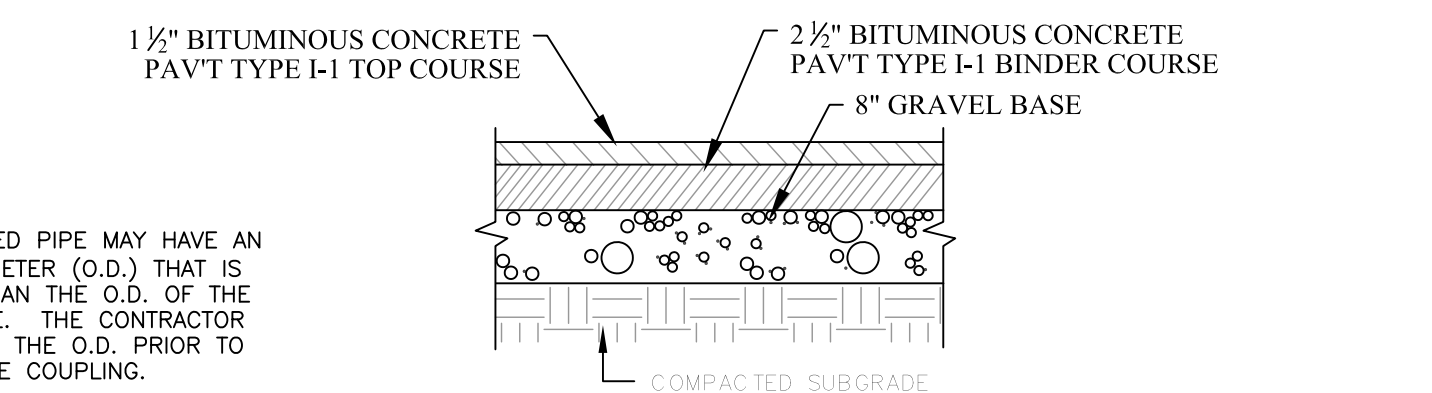
STORMTECH SC 740 SECTION

NOT TO SCALE



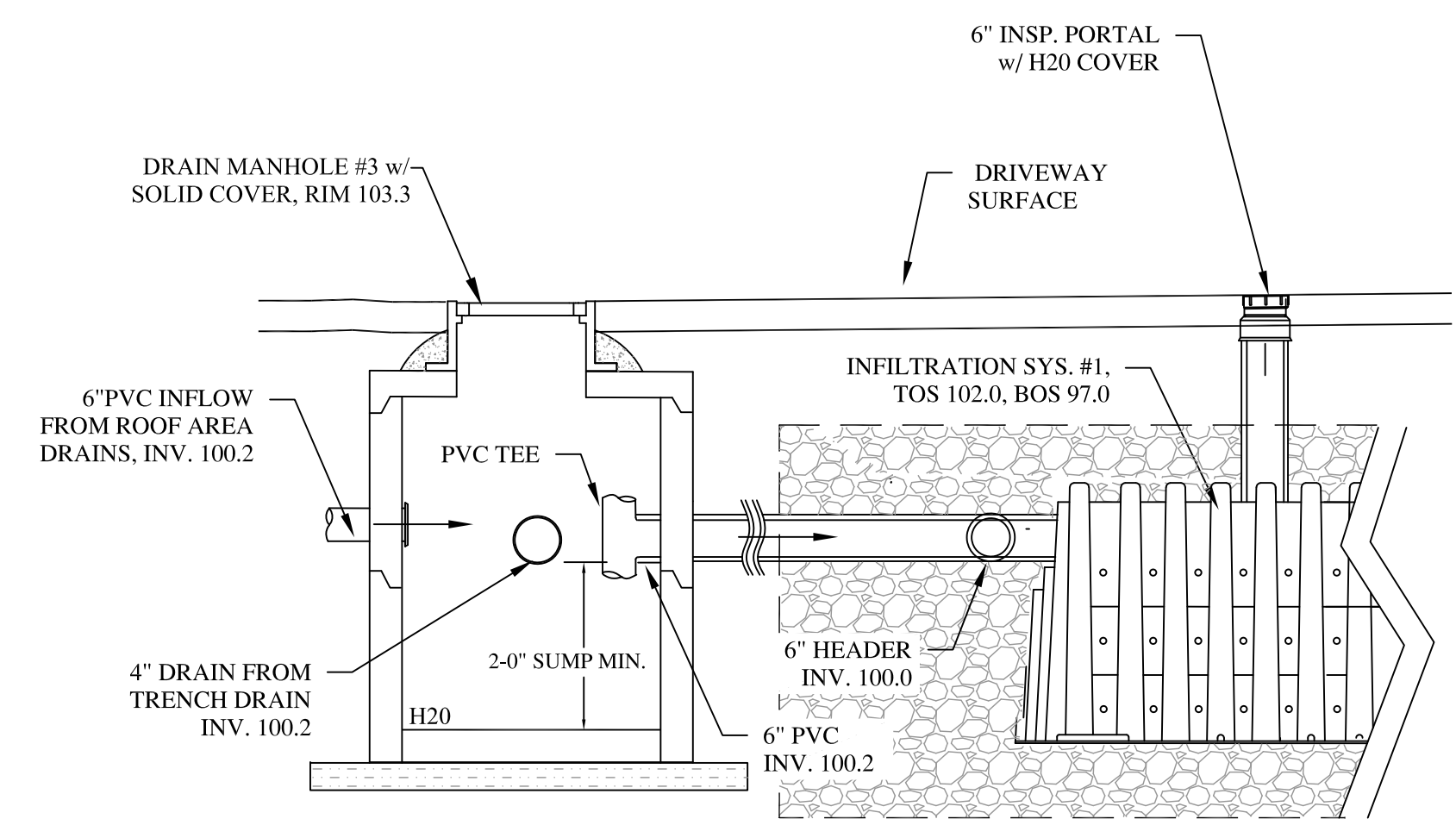
TRENCH DRAIN w/ GRATED FRAME

NOT TO SCALE



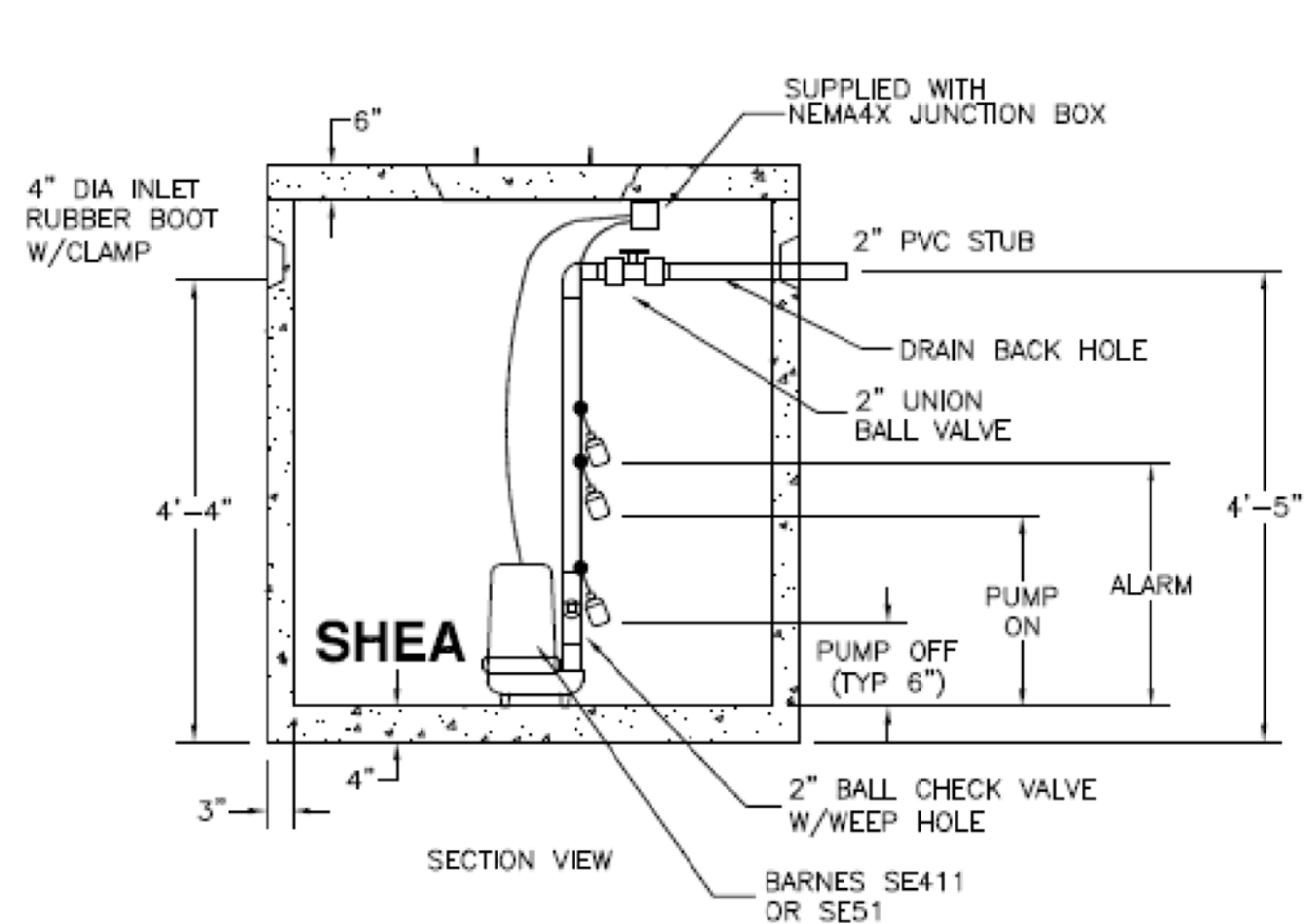
BITUMINOUS CONC. DRIVEWAY

NOT TO SCALE



DRAIN SYSTEM #1 SCHEMATIC

NOT TO SCALE



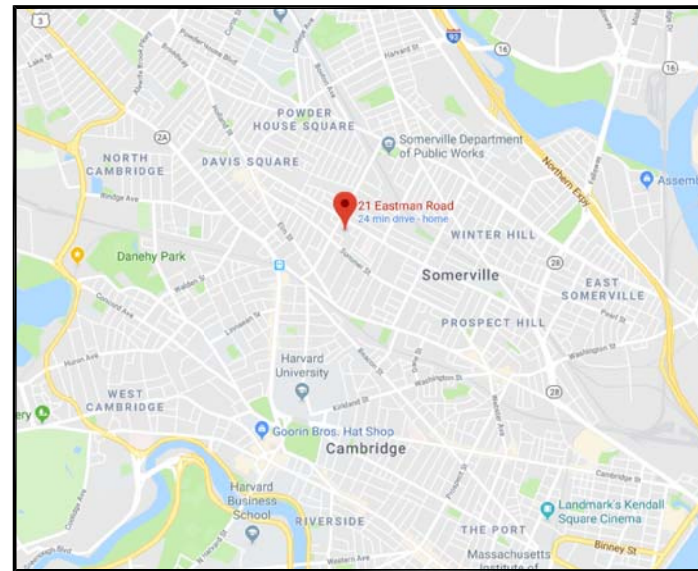
NOTE: SEE PLUMBING PLAN FOR ADDITIONAL DETAILS
SHEA OR APPROVED EQUIVALENT
SUBMIT SHOP DRAWINGS FOR APPROVAL

500gal PUMP CHAMBER w/ DUPLEX PUMP PACKAGE

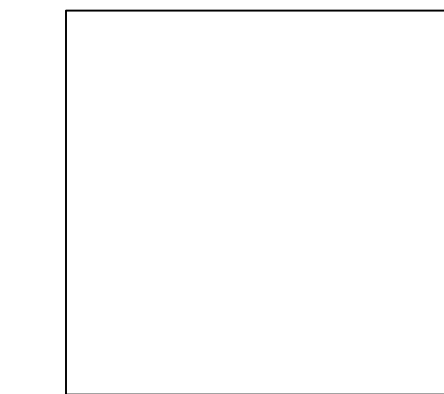
NOT TO SCALE

Site Plan

21 Eastman Rd.
SOMERVILLE



INFILTRATION SYSTEM #1:
3 Chambers/Row = 24.98' Base Length
3 Rows = 15.75' Base Width
30.0" Base + 30.0" Chamber Height + 6.0" Cover = 5.50' Field Height
9 Chambers x 45.9 cf = 413.5 cf Chamber Storage
Chamber Storage + Stone Storage = 1,113.5 cf
Overall System Size = 24.98' x 15.75' x 5.50'



2"x2" City Stamp Box

REFERENCES:

Survey: Summit Surveying, INC., "Topographic Plan of Land", January 22, 2018
Architecture: Peter Quinn Architects, LLC

MATERIALS:

STORM DRAIN: 6" PVC SCH 40
SIZE AS NOTED ON PLANS
ROOF DRAINS: PVC SCH 40
(4" UNLESS OTHERWISE NOTED)
1.5" WATER SERVICE - COPPER (TYPE K)
MIN. 5' BELOW GRADE

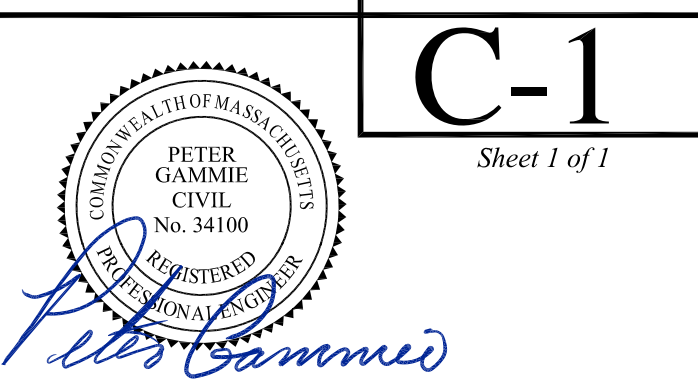
No.	Date	Comment
#1	7-30-18	Somerville Engineering Comments
#2	8-02-18	Somerville Engineering Comments
#3	8-03-18	Somerville Engineering Comments
#4	9-09-18	Somerville Engineering Comments

Columbia Design Group, LLC
Civil Engineering

14 Upham Avenue
Dorchester, Massachusetts 02125
Phone 617.905.3886

Adam Real Estate Management, LLC

Date: June 14, 2018	Scale: 1" = 10'
Project No.: 2018-120	Drawing by: PG



C-1
Sheet 1 of 1