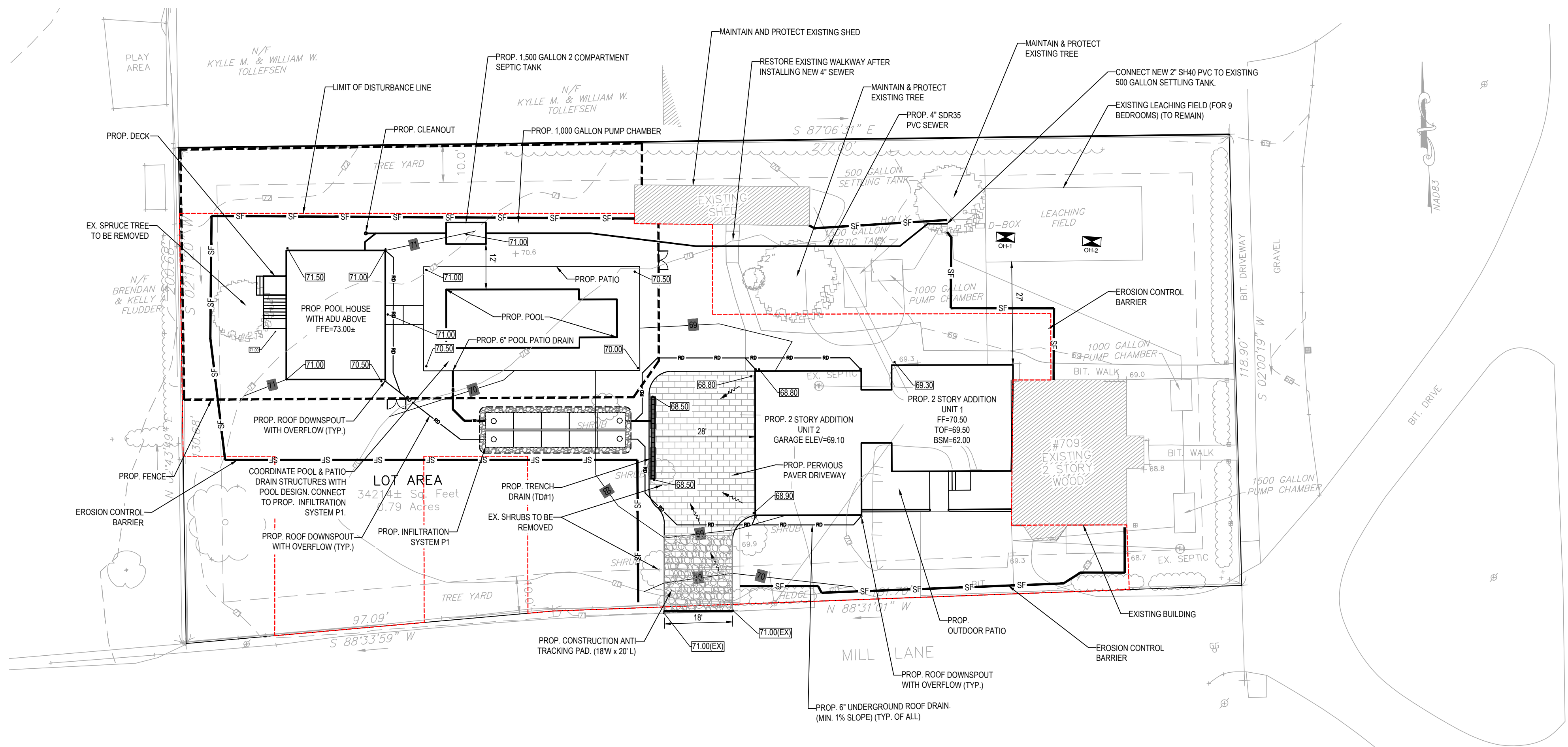
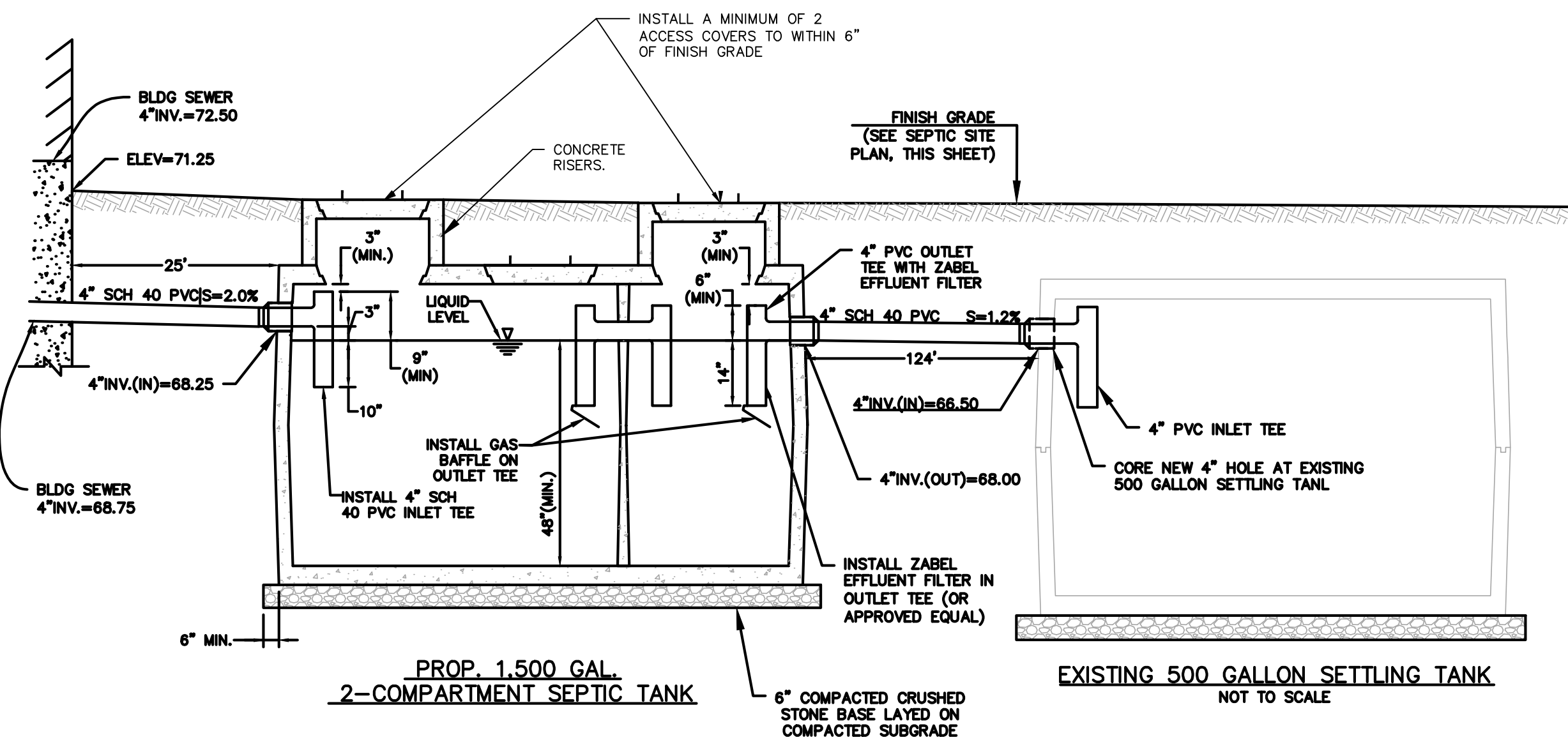




DRAINAGE SCHEDULE	
UNDERGROUND INFILTRATION/DETENTION SYSTEM P1 10 (2 X 10 LAYOUT) CULTEC 330 XLMD CHAMBERS BOTTOM OF STONE: 64.00 BOTTOM OF CHAMBER: 65.00 TOP OF CHAMBER: 67.50 TOP OF STONE: 68.00 INV(IN-8"): 66.50 INV(IN-6"): 66.50	TRENCH DRAIN (TD)#1 RIM: 68.50 INV(O-8"): 67.20

PLAN CALCULATIONS	
IMPERVIOUS CALCULATION:	
- EXISTING IMPERVIOUS:	
- ROOF =	3,290 SF
- DRIVEWAY =	2,594 SF
- WALKWAY =	430 SF
- TOTAL =	6,314 SF
- PROPOSED IMPERVIOUS:	
- ROOF =	4,663 SF
- DRIVEWAY =	1,485 SF
- WALKWAY/PATIO =	1,560 SF
- POOL PATIO =	1,615 SF
- TOTAL =	9,323 SF
IMPERVIOUS INCREASE = 3,009 SF	
*1,485 SF OF PROPOSED DRIVEWAY IS PERSIVIOUS PAVERS	
- TOTAL IMPERVIOUS AREA TO BE FULLY RECHARGED BY INFILTRATION SYSTEM P1 IS 5,166 SF	
AREA OF LAND DISTURBANCE: 19,311± SF	

- PLAN NOTES**
- PROPOSED GRADING, DRAINAGE & UTILITY PLAN SHALL BE UTILIZED FOR THE GRADING, DRAINAGE AND UTILITY CONSTRUCTION. REFER TO SITE PLAN AND ARCHITECTURAL PLANS FOR BUILDING DESIGN AND LAYOUT.
 - CONTRACTOR SHALL COORDINATE WITH THE TOWN OF PINCHAM DPW AND ENGINEERING DEPARTMENT PRIOR TO THAT START OF CONSTRUCTION ACTIVITIES.
 - ALL PROPOSED UTILITIES SHALL COMPLY WITH THE TOWN OF HINGHAM STANDARDS.
 - CONTRACTOR SHALL COORDINATE WITH TOWN OF HINGHAM PRIOR TO MAKING ANY CONNECTIONS WITHIN THE RIGHT OF WAY.
 - COORDINATE WITH LOCAL GAS AND ELECTRIC COMPANY FOR FINAL GAS AND ELECTRIC LOCATIONS.
 - PROPOSED AREA DRAINS WITHIN THE FOOTPRINT OF THE POOL PATIO AREA SHALL BE ADS * DRAIN BASIN GRATES SHALL BE CAST IRON GRATE OR APPROVED EQUAL.
 - ALL PROPOSED DRAIN PIPE SHALL BE ADS N12 PVC UNLESS OTHERWISE NOTED
 - ALL DOWNSPOUTS SHALL HAVE LEAF FILTER SCREEN WITH IN-LINE CLEANOUT & OVERFLOW AT EACH DOWNSPOUT LOCATION
 - ANY TOPSOIL, SUBSOIL OR IMPERVIOUS SOIL SHALL BE EXCAVATED AND REMOVED FROM BELOW THE FOOTPRINT OF THE PROPOSED UNDERGROUND INFILTRATION SYSTEM UNTIL PARENT MATERIAL IS OBSERVED. BACKFILL AS REQUIRED WITH CLEAN GRANULAR SAND FREE FROM ORGANIC MATERIALS AND SILTS.
 - AT THE END OF CONSTRUCTION ACTIVITIES ALL DRAINAGE STRUCTURES SHALL BE CLEANED.
 - NO MODIFICATIONS TO THE APPROVED SITE PLANS SHALL BE MADE WITHOUT THE AUTHORIZATION OF THE DESIGN ENGINEER. A REVISED SITE PLAN OR SKC WILL SHALL BE ISSUED BY THE DESIGN ENGINEER OF RECORD PRIOR TO ANY CHANGES BEING IMPLEMENTED.
 - COORDINATE WITH LOCAL ELECTRIC COMPANY REGARDING NEW ELECTRIC CONNECTION FOR PROPOSED ADDITION AND ADU
 - PERMIT WITH THE BOARD OF HEALTH WILL BE REQUIRED FOR THE PROPOSED POOL HOUSE/ADU BUILDING.

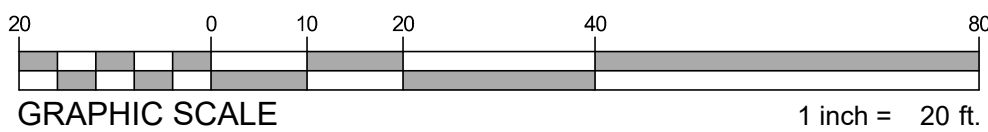


SECTION THROUGH SEWAGE DISPOSAL SYSTEM

Soil Logs

Observation Hole #1		Observation Hole #2	
Elevation (Feet)	Perk Rate = <2 mpy @ 60"-78"	Elevation (Feet)	Perk Rate =
67.7	Depth (Inches)	67.9	Depth (Inches)
66.4	0-16	66.6	0-16
65.0	16-33	65.9	16-24
62.7	33-60	62.9	24-60
59.3	60-124	57.4	60-124
	Water		Water

NOTE: RECORD SOILS DATA SHOWN HEREON ARE DERIVED FROM THE APPROVED SEPTIC PLAN PREPARED BY McS ENVIRONMENTAL ENGINEERING FOR 709 MAIN ST HINGHAM MA, DATED MARCH 24, 2025. OBSERVATION HOLES AND PERCOLATION TEST PERFORMED BY TERENCE McSWEENEY ON JANUARY 23, 2025



102 State Rd | Unit # F
North Dartmouth, MA 02747
Tel: (508)-730-9515

MICHAEL AHERN
709 MAIN STREET
HINGHAM, MA 02043

Owner/Applicant

Consultant:

FOR PERMIT

Issue Type

709 MAIN STREET
HINGHAM MA
(PARCEL ID: 126/0/52)

PROPOSED
SITE IMPROVEMENTS
FOR 709 MAIN ST

GRADING,
DRAINAGE & UTILITY
PLAN

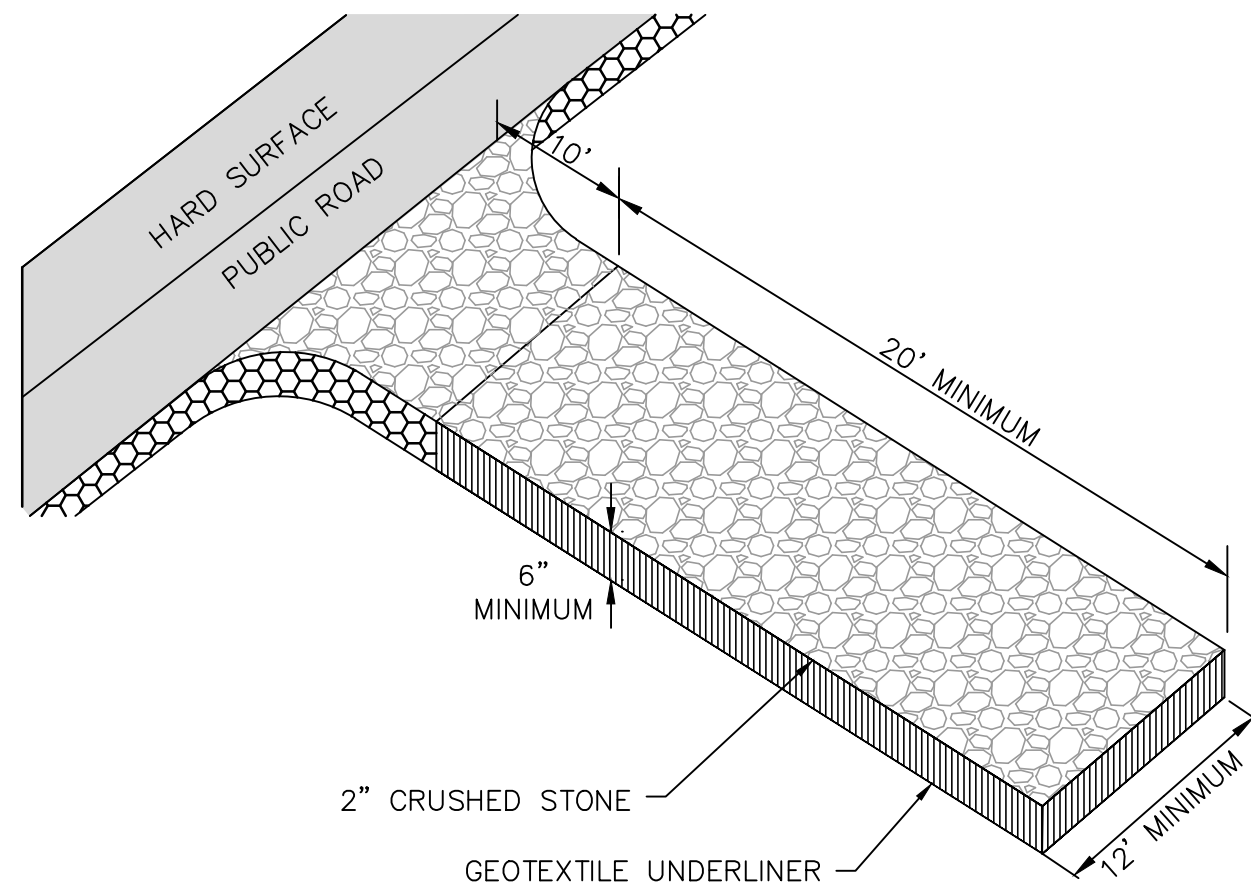
Drawing Title

Project No. 26021	Checked AK	Date 6.15.2026
Designed BB	Approved AK	Scale AS SHOWN

Drawing No.

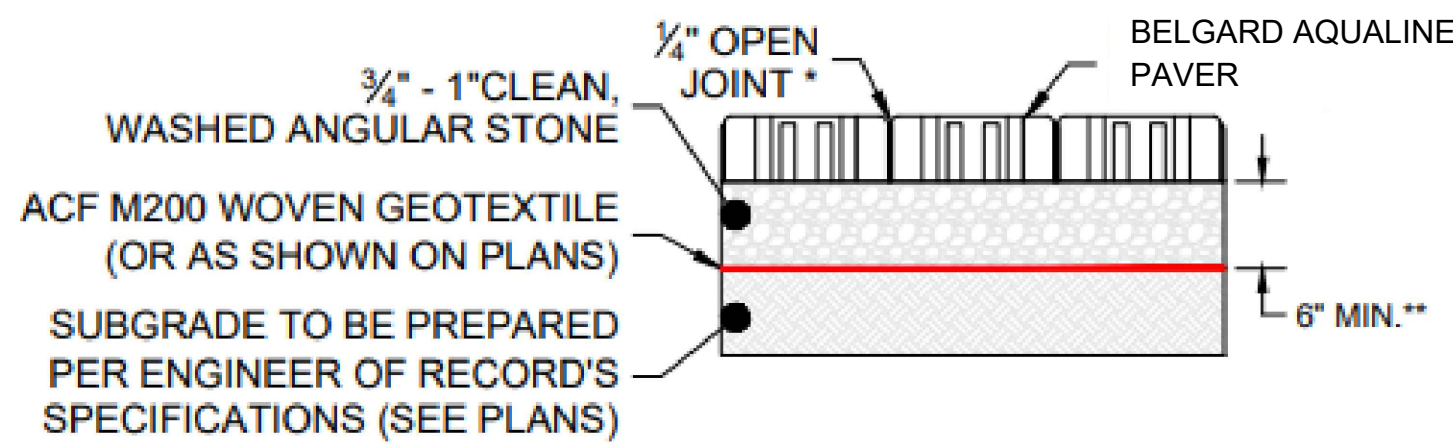
C-1





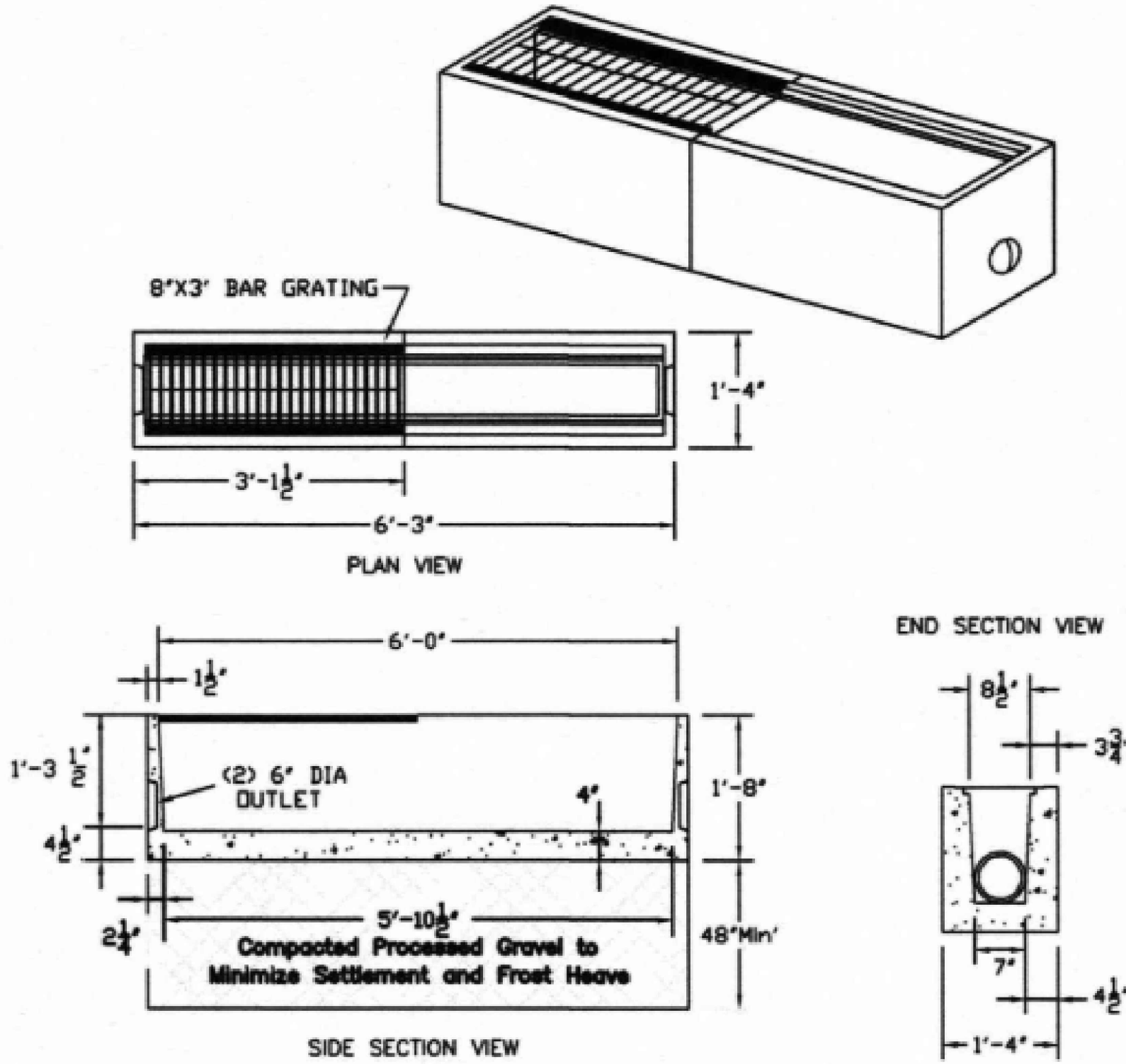
- NOTES
1. MAINTAIN ANTI-TRACKING PAVEMENT IN GOOD CONDITION THROUGH OUT CONSTRUCTION PERIOD.
 2. ROADWAY SHALL BE SWEEPED DAILY TO REMOVE ANY MATERIAL THAT MAY BE TRACKED ONTO THE PAVEMENT.

CONSTRUCTION ANTI TRACKING PAD
NOT TO SCALE



SECTION A-A

PERMEABLE PAVER DETAIL
NOT TO SCALE

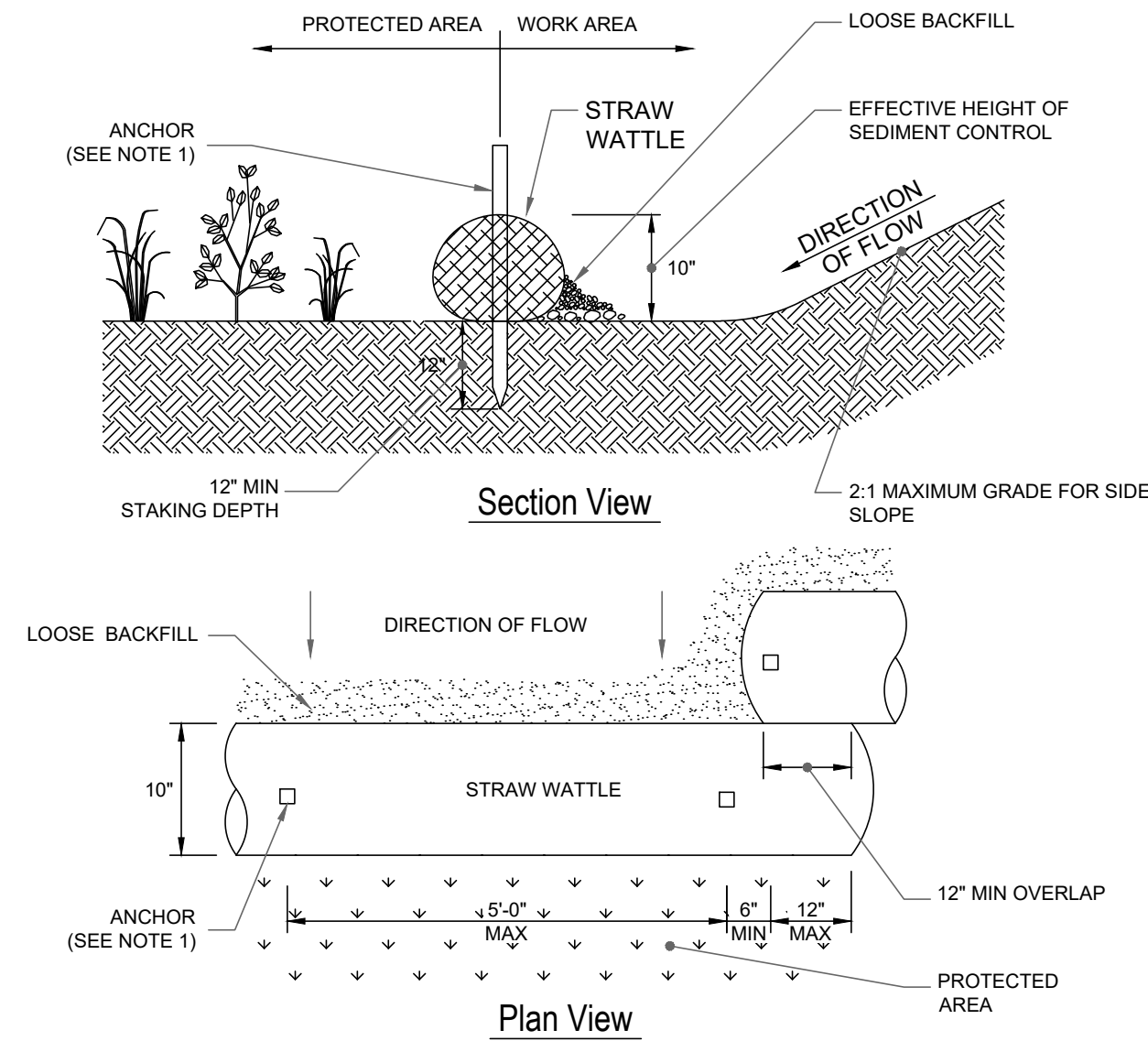


- NOTES:
1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
 2. AVAILABLE IN 3' AND 6' SECTIONS.
 3. AVAILABLE IN END OR MIDDLE SECTIONS.
 4. CONFORMS TO H-20 LOADING.

ITEM NO.	M-TD6	6' SECTION	1,315#
	M-TD3	3' SECTION	711#

TRENCH DRAIN

TRENCH DRAIN DETAIL
NOT TO SCALE

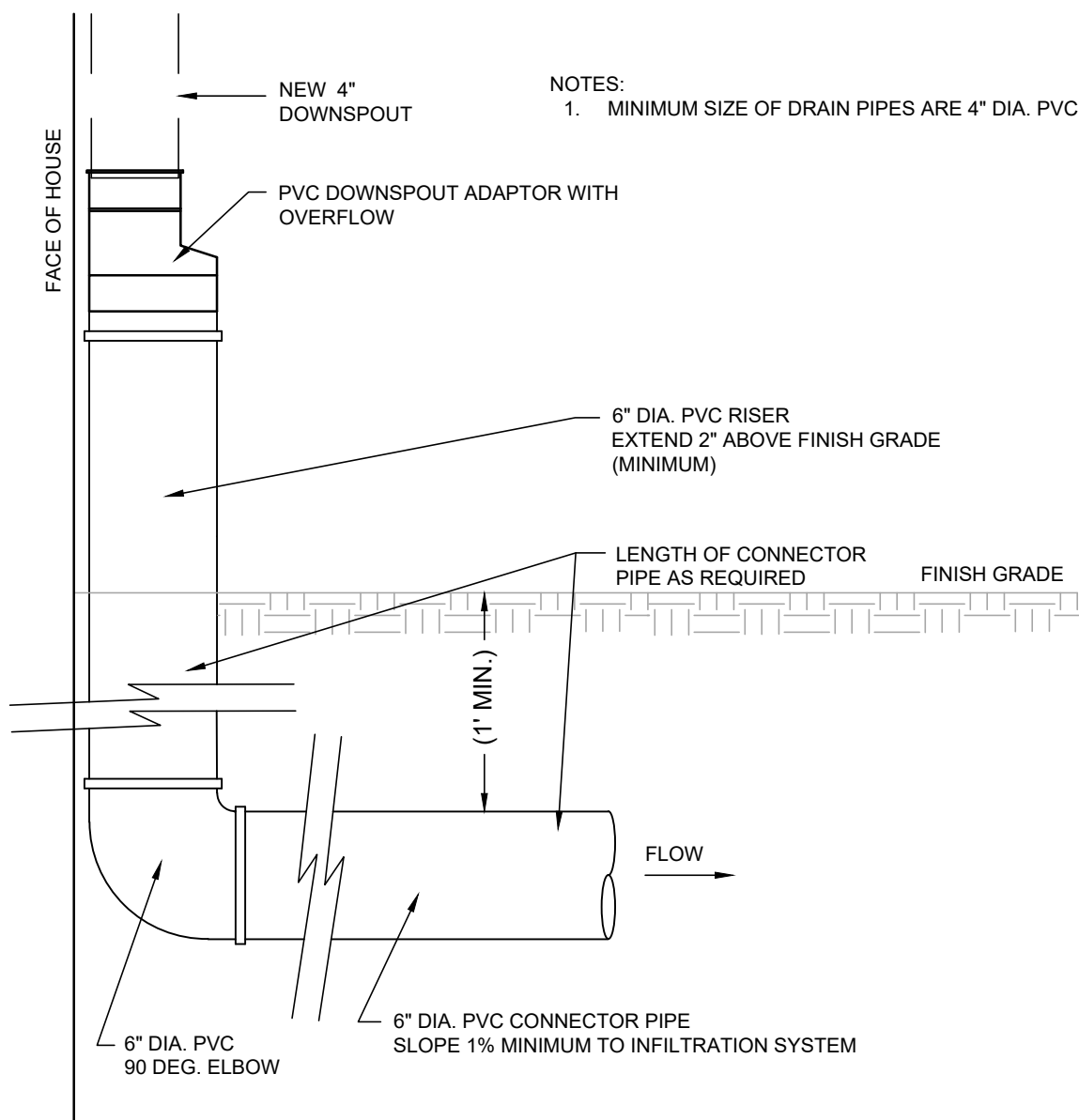


- CONSTRUCTION NOTES
1. ANCHOR TO BE A 2" X 2" X 36" HARD WOOD STAKE, OR APPROVED EQUAL.
 2. EROSION CONTROL SHALL BE REMOVED ONCE VEGETATION HAS BEEN ESTABLISHED.
 3. STRAW WATTLE SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN DAYS OR PER LOCAL AND STATE REQUIREMENTS. REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY, AS NEEDED.
 4. METHOD OF INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.

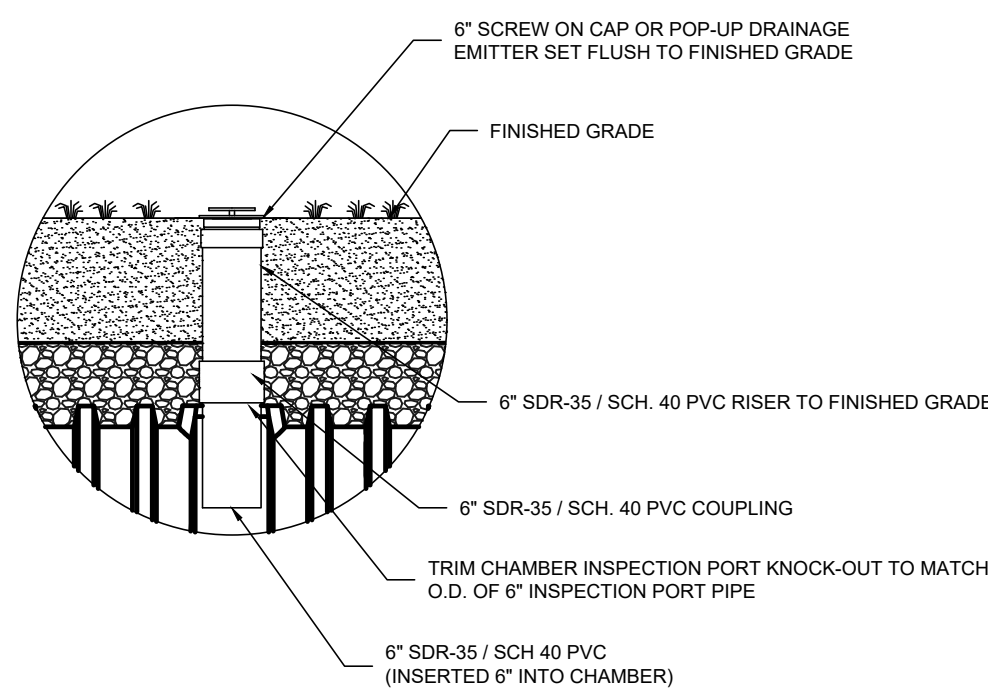
STRAW WATTLE EROSION CONTROL BARRIER

NOT TO SCALE

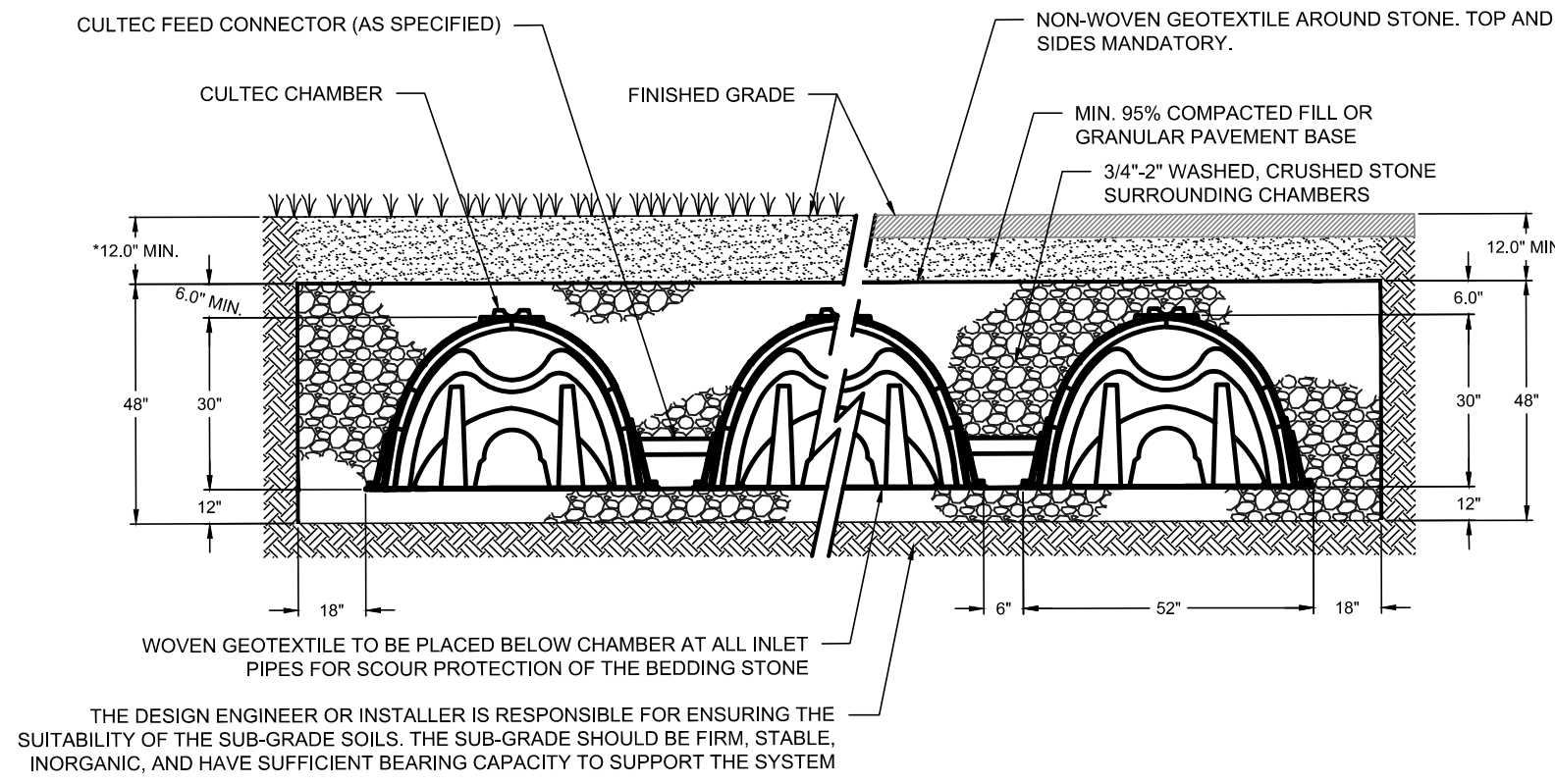
EROSION CONTROL BARRIER
NOT TO SCALE



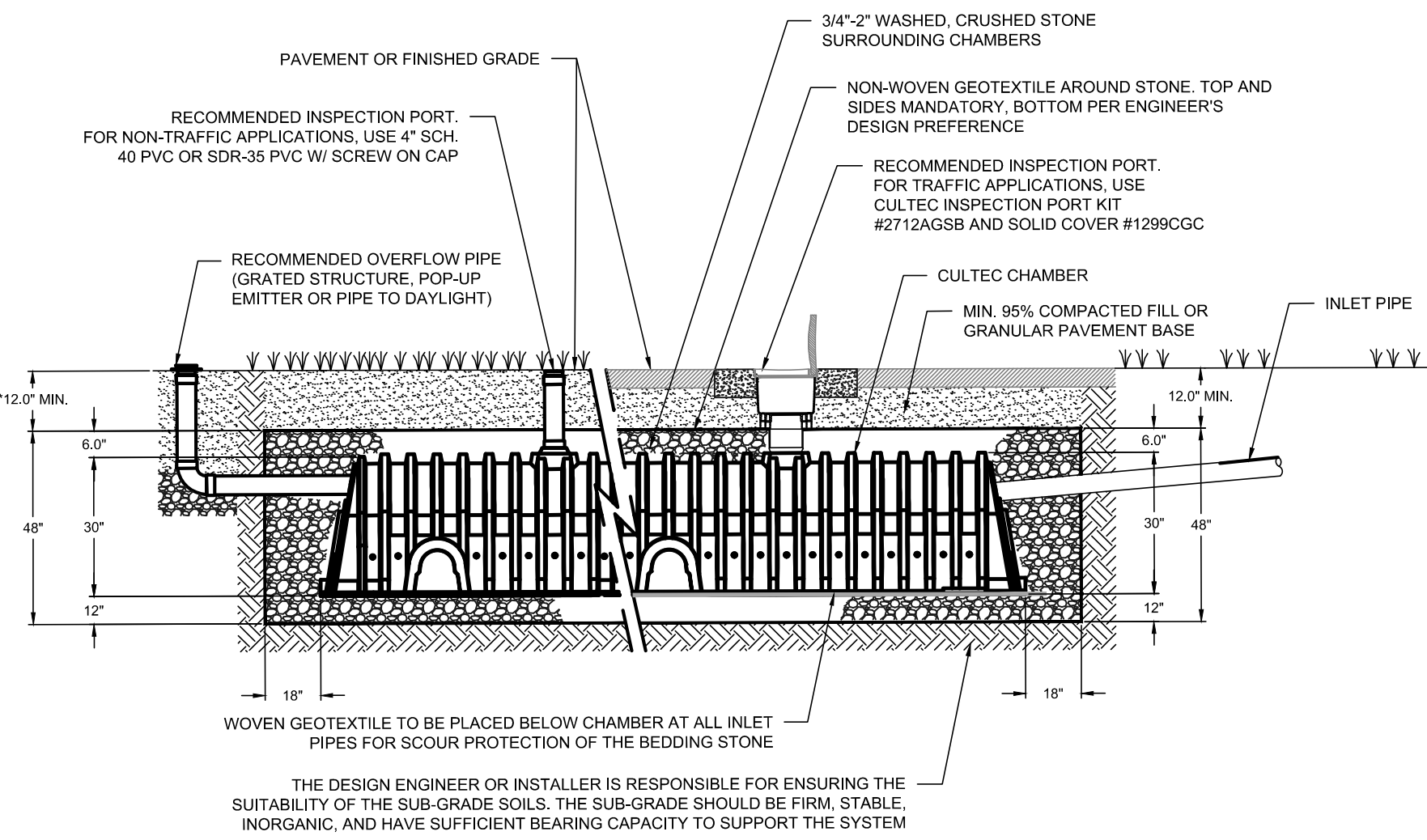
ROOF DRAIN DETAIL
NOT TO SCALE



NON-TRAFFIC INSPECTION PORT
NOT TO SCALE



TYPICAL CROSS-SECTION DETAIL



TYPICAL PROFILE DETAIL

CULTEC RECHARGER 330 XLHD
NOT TO SCALE



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709 MAIN STREET
HINGHAM, MA 02043

Owner/Applicant

Consultant:

FOR PERMIT

Issue Type

709 MAIN STREET
HINGHAM MA
(PARCEL ID: 126/0/52)

7.15.26	Per Peer Review Comments	AK	1
Date	Description	By	REV

PROPOSED
SITE IMPROVEMENTS
FOR 709 MAIN ST

DETAILS

Drawing Title

Project No. 26021	Checked AK	Date 6.15.2026
Designed BB	Approved AK	Scale AS SHOWN

Drawing No.

C-2

