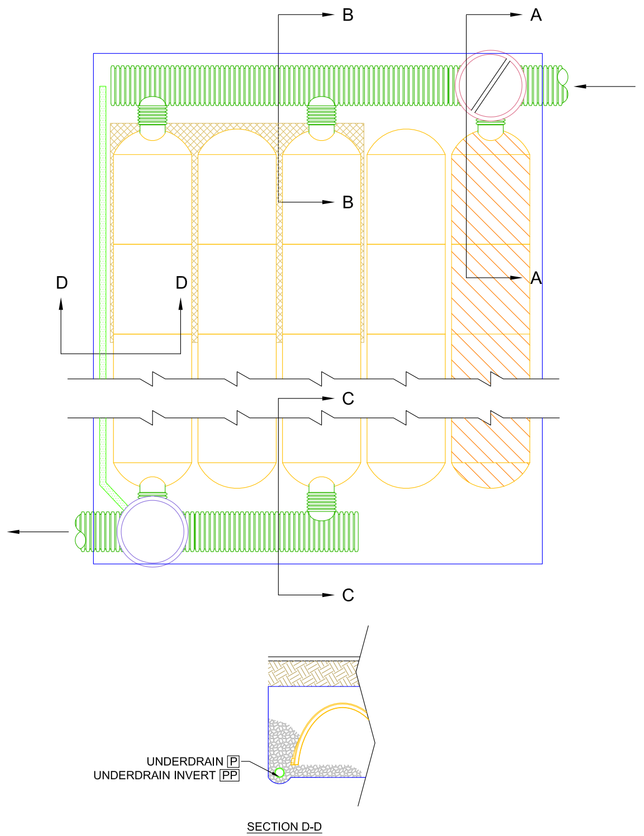
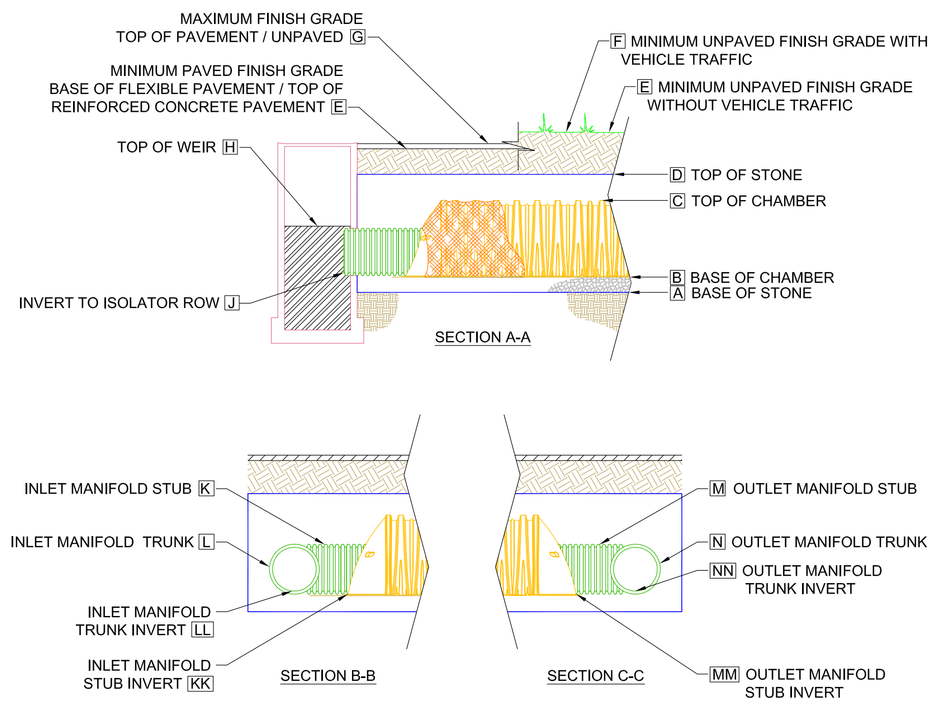
1 PLAN VIEW LAYOUT

	A	B	C	D	E	F	G	H	J	K	KK	L	LL	M	MM	N	NN	P	PP
BED 1/ONLY								TBD											
BED 2																			
BED 3																			
BED 4																			
BED 5																			



SECTION D-D

2 MC-3500 ELEVATIONS



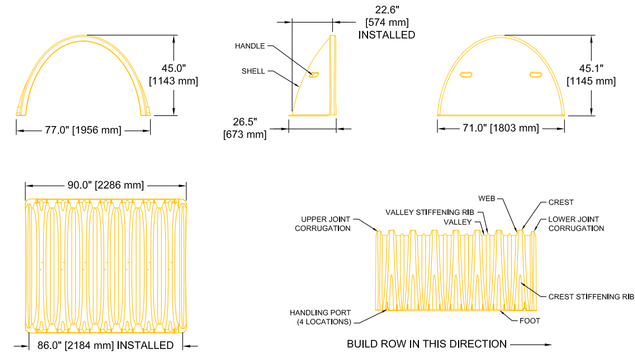
SECTION A-A

SECTION B-B

SECTION C-C

1. ALL DESIGN SPECIFICATIONS FOR STORMTECH MC-3500 CHAMBERS SHALL BE IN ACCORDANCE WITH THE STORMTECH MC-3500 DESIGN MANUAL
2. THE INSTALLATION OF STORMTECH MC-3500 CHAMBERS SHALL BE IN ACCORDANCE WITH THE LATEST STORMTECH MC-3500 INSTALLATION INSTRUCTIONS
3. THE CONTRACTOR IS ADVISED TO REVIEW AND UNDERSTAND THE INSTALLATION INSTRUCTIONS PRIOR TO BEGINNING SYSTEM INSTALLATION. CALL **1-888-892-2694** OR VISIT **WWW.STORMTECH.COM** TO RECIEVE A COPY OF THE LATEST STORMTECH MC-3500 INSTALLATION INSTRUCTIONS
4. CHAMBERS SHALL MEET THE DESIGN REQUIREMENTS AND LOAD FACTORS SPECIFIED IN SECTION 12.12 OF THE LATEST EDITION OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

3 MC-3500 NOTES

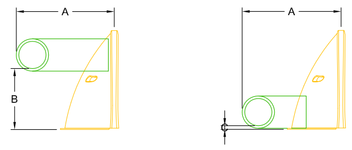


NOMINAL MC-3500 CHAMBER SPECIFICATIONS

SIZE (L x W x H)	90" x 77" x 45" [2286 mm x 1956 mm x 1143 mm]
CHAMBER STORAGE	113.0 ft³ [3.20 m³]
MINIMUM INSTALLED STORAGE	176.8 ft³ [5.01 m³]
WEIGHT	124 lbs. [56.2 kg]

NOMINAL MC-3500 END CAP SPECIFICATIONS

SIZE (L x W x H)	26.5" x 71" x 45" [673 mm x 1803 mm x 1143 mm]
ENDCAP STORAGE	15.6 ft³ [0.44 m³]
MINIMUM INSTALLED STORAGE	45.6 ft³ [1.29 m³]
WEIGHT	43 lbs. [19.5 kg]



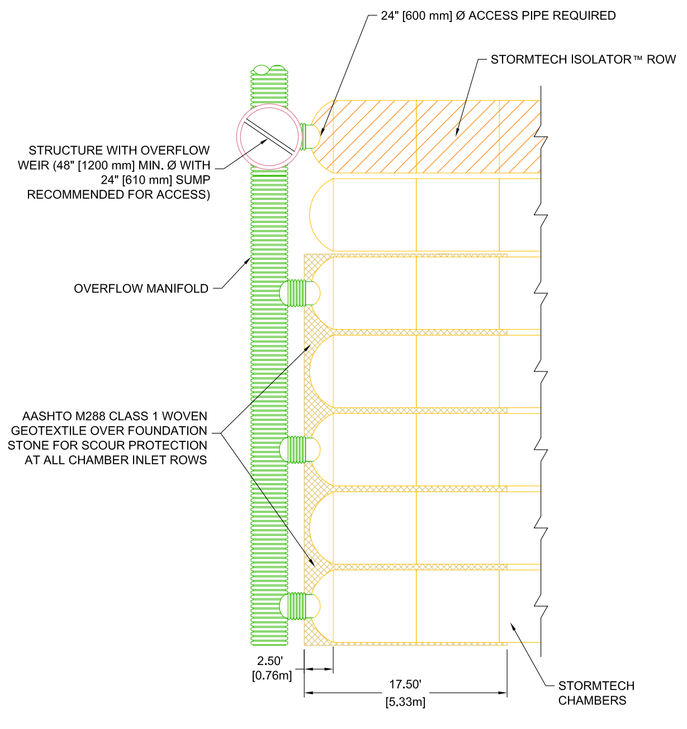
STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"

PART#	STUB	A	B	C
MC3500TEPE12T	12" [300 mm]	47.62" [1.21 m]	26.36" [670 mm]	N/A
MC3500TEPE12B	12" [300 mm]	49.33" [1.25 m]	N/A	1.35" [34 mm]
MC3500TEPE15T	15" [375 mm]	55.25" [1.40 m]	23.39" [594 mm]	N/A
MC3500TEPE15B	15" [375 mm]	53.56" [1.36 m]	N/A	1.50" [38 mm]
MC3500TEPE18T	18" [450 mm]	61.39" [1.56 m]	20.03" [509 mm]	N/A
MC3500TEPE18B	18" [450 mm]	56.77" [1.44 m]	N/A	1.77" [45 mm]
	24" TOP STUB CORED ENDCAP NOT AVAILABLE			
MC3500TEPE24B	24" [600 mm]		N/A	2.06" [52 mm]

NOTE: ALL DIMENSIONS ARE NOMINAL

STORMTECH INVENTORIED MANIFOLDS AND PRECORED END CAPS INCLUDE 24" [600 mm] BOTTOM (MC3500TEPE24B), 18" [450 mm] BOTTOM (MC3500TEPE18B) AND 15" [375 mm] TOP (MC3500TEPE15T).
OTHER PIPE SIZES AND PRECORED END CAPS ARE AVAILABLE UPON SPECIAL ORDER.

4 MC-3500 TECHNICAL SPEC.



5 MC-3500 MANIFOLD DETAIL

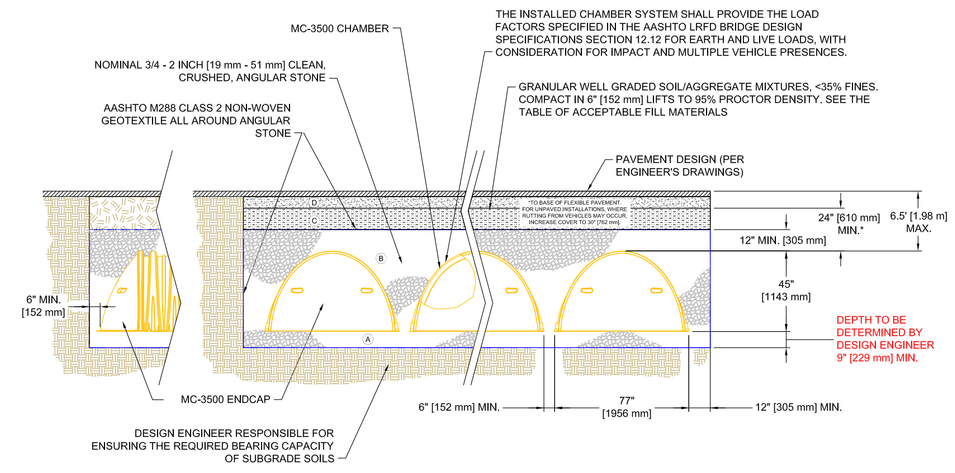
ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	AASHTO M43 DESIGNATION[1]	COMPACTION/DENSITY REQUIREMENT
D FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE (B LAYER) TO 24" (610 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THIS LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, < 35% FINES. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTION AFTER 24" (610 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 9" (152 mm) LIFTS TO A MIN. 95% STANDARD PROCTOR DENSITY.
B EMBEDMENT STONE SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE, NOMINAL SIZE DISTRIBUTION BETWEEN 3/4" - 2 INCH [19 - 51 mm]	3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A FOUNDATION STONE BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE, NOMINAL SIZE DISTRIBUTION BETWEEN 3/4" - 2 INCH [19 - 51 mm]	3, 35, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A 95% STANDARD PROCTOR DENSITY [1]

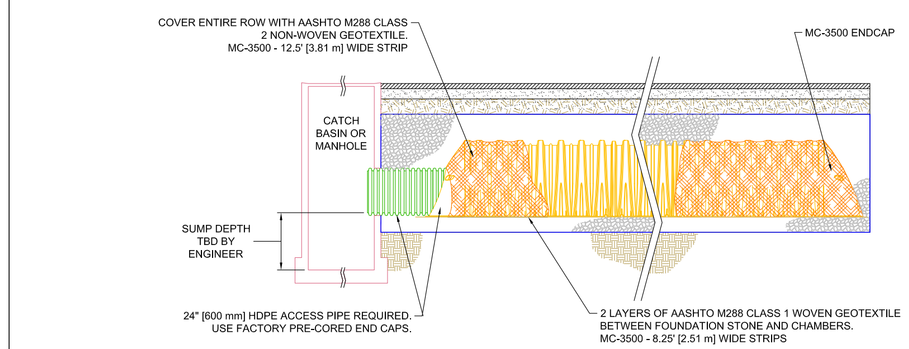
PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".

2. AS AN ALTERNATE TO PROCTOR TESTING AND FIELD DENSITY MEASUREMENTS ON OPEN GRADED STONE, STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" [229 mm] (MAX) LIFTS USING TWO FULL COVERAGES WITH AN APPROPRIATE COMPACTOR.

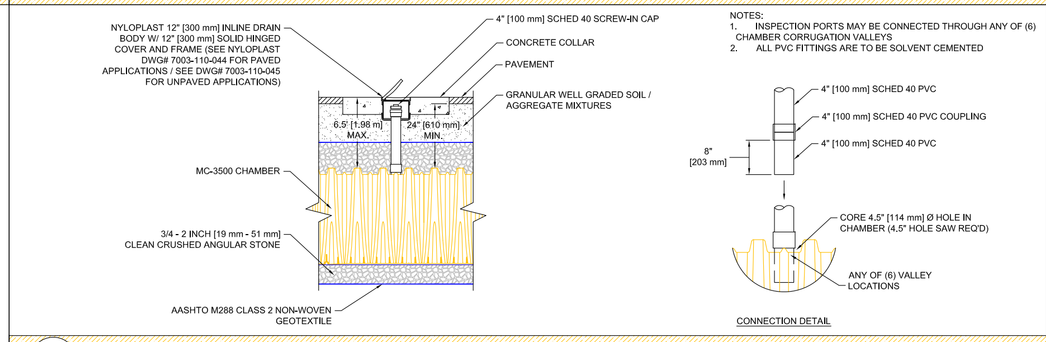
6 STORMTECH ACCEPTABLE FILL MATERIALS



7 MC-3500 STANDARD CROSS SECTION

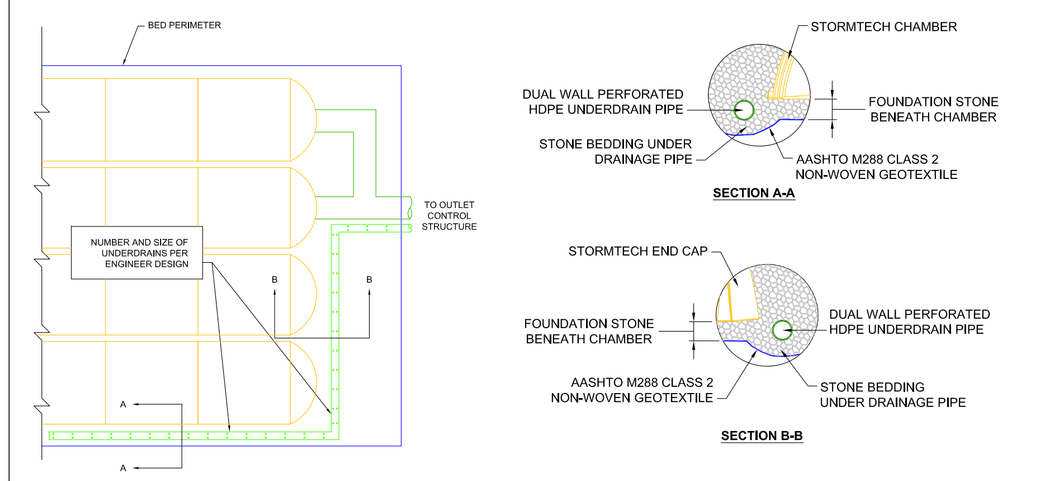


8 MC-3500 ISOLATOR ROW™ DETAIL



CONNECTION DETAIL

9 MC-3500 INSPECTION PORT DETAIL



SECTION A-A

SECTION B-B

10 MC-3500 UNDERDRAIN DETAIL

THIS DRAWING WAS PREPARED TO SUPPORT THE DESIGN ENGINEER FOR THE PROPOSED PROJECT. IT IS THE ULTIMATE RESPONSIBILITY OF THE DESIGN ENGINEER TO ENSURE THAT THE STORMWATER SYSTEM DESIGN IS IN FULL COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THAT ALL STORMTECH PRODUCTS ARE DESIGNED IN ACCORDANCE WITH STORMTECH MINIMUM REQUIREMENTS. STORMTECH LLC DOES NOT APPROVE PLANS, SIZING, OR SYSTEM DESIGNS. THE DESIGN ENGINEER IS RESPONSIBLE FOR ALL DESIGN DECISIONS.

DESCRIPTION

DATE	DRN	CHK	DESCRIPTION

DATE:
DRAWN BY:
CHECKED BY:
PROJECT #:
SCALE: NTS
PAGE: OF

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