





CAMBRIDGE HISTORICAL COMMISSION

831 Massachusetts Avenue, 2nd Fl., Cambridge, Massachusetts 02139

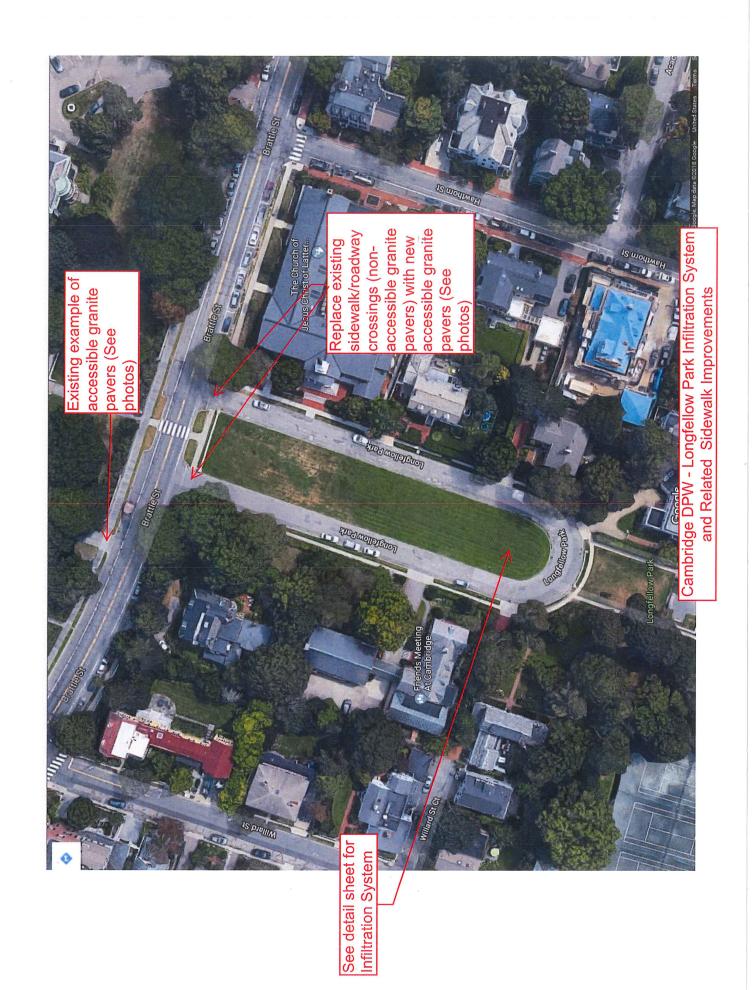
Telephone: 617 349 4683 Fax: 617 349 3116 TTY: 617 349 6112

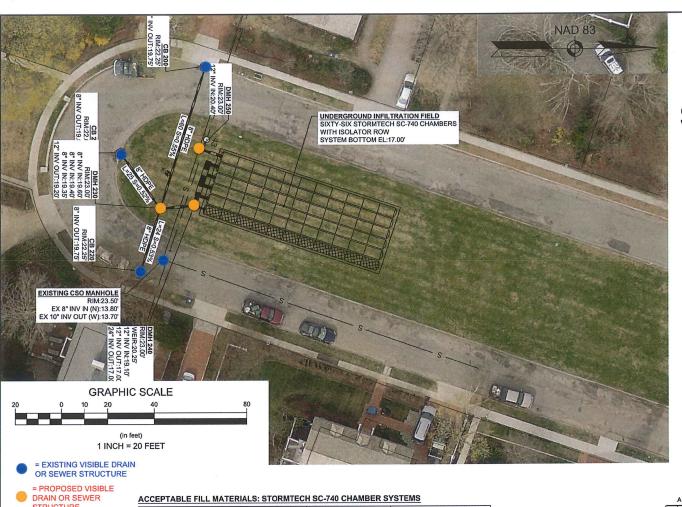
E-mail: histcomm@cambridgema.gov URL: http://www.cambridgema.gov/Historic

CAMBRIDGE HISTORICAL COMMISSION

APPLICATION FOR CERTIFICATE

. The undersigned hereby applies to the Cambridge Historical Commission for a Certificate of							
(check one box): Appropriateness, Nonapplicability, or Hardship, in accordance with Chapter 40C of the Massachusetts General Laws and/or Chapter 2.78 of the Municipal Code.							
2. Address of property: Longfellow Park , Cambridge, Massachusetts							
3. Describe the proposed alteration(s), construction or demolition in the space provided below: (An additional page can be attached, if necessary).							
In association with a related project on nearby Willard Street, a subsurface infiltration system is proposed for the southern end of the central lawn area at Longfellow Park. Following construction in that area, the disturbed lawn area will be restored, and new visible surface elements within the lawn will consist of 3 manhole covers. In addition, the Longfellow Park loop roadway will be repaved. As part of this work, the two locations where the Brattle Street sidewalk crosses the Longfellow Park roadway, currently consisting of inaccessible granite pavers, will be replaced with accessible granite pavers. The new pavers will be similar or identical to those which currently exist at the exit driveway from the Longfellow House on the north side of Brattle Street.							
*							
I certify that the information contained herein is true and accurate to the best of my knowledge and belief. The undersigned also attests that he/she has read the statements printed on the reverse.							
Name of Property Owner of Record: City of Cambridge							
Mailing Address: 795 Massachusetts Avenue, Cambridge, MA 02139							
Telephone/Fax:(617) 349-4000							
Signature of Property Owner of Record: (Required field; the application will not be considered complete without the property owner's signature)							
Name of proponent, if not record owner: City of Cambridge, Dept. of Public Works							
Mailing Address: _147 Hampshire Street. Cambridge, MA 02139 (Att: Jerry Friedman)							
Telephone/Fax: (617) 349-9720 E-mail: _jfriedman@cambridgema.gov							
(for office use only):							
Date Application Received: 6/19/18 Case Number: 3972 Hearing Date: 7/12/18							
Type of Certificate Issued: Date Issued:							

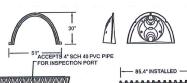






Subsurface Stormwater Management**

STORMTECH GENERAL NOTES







NOMINAL CHAMBER SPECIFICATIONS SIZE (W x H x INSTALLED LENGTH)

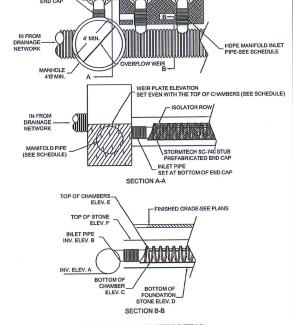
STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B" STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"

PART#	STUB	Α	8	C
8C740EPEIAT	6 1153 mm)	10.50° (277 eva)	18.50" (470 mm)	NA
SCTMEPROSE	67(150 mm)	10.90° (277 mm)	· NA	0.50° (13 mm)
SC740EPENRT	8°(200 mm)	12.20" (310 m/s)	16.50" (419 mm)	N/A
SC741EPEGER	67200 mm)	12.20" (310 mm)	NA	0 EC* (15 mm)
SCTRIEPE:OT	10"(250 evm)	13.40" (245 turn)	14.50" (366 mm)	WA
SC74(EPE108	10°(250 mm)	13.40" (345 mm)	NA	0.70° (18 mm)
SC740EPE12T	12'(30 mm)	14.70° (373 mm)	12.50° (315 mm)	N/A
SCTMEPE12B	17 (30) em)	14.70" (373 mm)	Aus	1,207 (30 pvs)
SC740EPE1ST	16"(375 mm)	18.40" (167 m/n)	9 CC" (229 mm)	NA
SC7KEPE158	15/12 (5 mm)	12, 50" (16/ mm)	N/A	1.30° (33 mm)
SC740EPE INT	18°(450 mm)	19.70" (500 mrs)	510" (127 am)	N:A
SCINEPE'SB	187(450 mm)	19.70*(500 mm)	N/A	1.60° (41 mm)
SC716EPENB	24'(600 mm)	18 50" (470 mm)	N/A	0.10° (3 mm)

ALL STUBS. EXCEPT FOR THE SC740EPE24B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

FOR THE SC740EPE24B THE 24" STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75". BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS



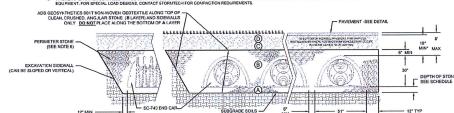


MBER INLET ROWS

STORMTECH SYSTEM DETAIL
NOT TO SCALE

١	RE	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT		
	D	FINAL FILL: FILL MATERIAL FOR LAYER TO STARTS FROM THE TOPOF THE C'LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE TO LAYER		N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.		
	с	INITIAL FILL: FLL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE (B' LAYER) TO IE (1450 mm) ABOVE THE TOP OF THE CHAMBER NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER	GRANULAR WELL-GRADED SOLVAGGREGATE MIXTURES, 43% FINES OR PROCESSED AGGREGATE MOST PAVEMENT GUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M445¹ A-1, A-2-4, A-3 CR AASHTO M43¹ 3, 357, 4, 497, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 8" (150 mm) MAX LIFES TO A BIN 85% PROCTOR DESIGNIF OR WELL GRADED MATERIAL AND 85% RELATIVE DENBITY FOR PROCESSED ACCRECATE MATERIALS. ROLLER GROSS VENICE WEIGHT NOT TO EXCEED 12,000 bis (35 MJ). DYVANIC FORCE NOT TO EXCEED 20,000 bis (93 MJ).		
B C		EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE (A' LAYER) TO THE 'C' LAYER ADOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43' 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.		
ľ		FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE LP TO THE FOOT (BOTTOM)	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43* 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE."		

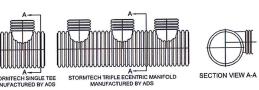
RADATIONS ONLY. THE STONE MUST ALSO BE C.EAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED,



NOTES:

- SIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE OF
- 'S OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETIO

STORMTECH SC-740 CHAMBER TYPICAL CROSS SECTION NOT TO SCALE

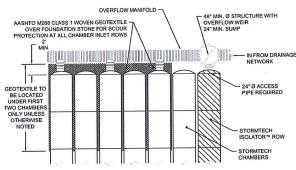




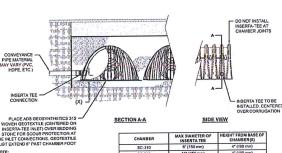
AVAIL - STANDARD HEADERS AVAILABLE

MANIFOLDS ARE DESIGNED TO BE COUPLED TO STORMTECH PREFABRICATED END CAPS. WHEN USING STANDARD END CAPS, CORRUGATE DPIPE UP TO 10 INCHES CAN BE INSERTED DIRECTLY INTO THE END CAP, FOR 12' INLET PIPES, A CORRUGATED TO SMO

FOR INFORMATION CALL 1-888-892-2694 ADS MANIFOLD DETAIL
NOT TO SCALE



STORMTECH ISOLATOR ROW MANIFOLD DETAIL



INSERTA TEE SIDE CONNECTION DETAIL

APPLICATIONS 15" NYLOPLAST INLINE DRAIN BODY W/SOLID HINGED COVE - 10° PVC SCH40 PIPE PART# 10IPSSTIP/10SLRUB INSERTA TEE TO BE CENTERED ON CORRUGATION CREST

CONCRETE COLLAR

NOTES:

1. ALL SCHEDULE 40 FITTINGS TO BE SOLVENT CEMENTED.

2. INSPECTION PORTS TO BE INSTALLED IN THE MIDDLE CHAMBER OF EACH CHAMBER ROW

3. FOR STORMTECH INFORMATION CALL 1-888-992-2699.

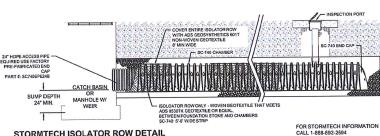
STORMTECH 10 INCH PORT DETAIL

INSPECTION & MAINTENANCE

- PIPE () MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY MANHOLE IF SEDIMENT IS AT, OR ABOVE. 3° (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

- NOTES
- INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INS INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDMENT ACCUMULATION AND F LEEVATIONS.

 CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT HANDEMARCH IS REPRESAGE.



STORMTECH ISOLATOR ROW DETAIL NOT TO SCALE

HDR ENGINEERING, INC. 99 HIGH STREET, SUITE 2300 BOSTON, MASSACHUSETTS 02110-2378 (617) 357-7700

Scale Sheet GI-2 CITY OF CAMBRIDGE, MA Date Joh No. Total Sheets PROPOSED LONGFELLOW PARK Designed by NFILTRATION SYSTEM Drawn by File No. Drawing Date Checked by Description Approved by REVISIONS



Example of proposed accessible granite pavers - Longfellow House



Existing non-accessible granite pavers -Longfellow Park (east)



Existing non-accessible granite pavers - Longfellow Park (west)