

NOTES:
 1-HIGH WATER TABLE & SOIL TYPE AT THE LOCATION OF THE INFILTRATION SYSTEM SHALL BE ESTABLISHED USING THE SERVICES OF A CERTIFIED SOIL EVALUATOR TO CONFIRM THE ADEQUACY OF THE RECHARGE SYSTEM DESIGN SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE INSTALLATION OF THE SYSTEM WITH THE ENGINEER FOR TESTING AND INSPECTION IN ORDER TO CERTIFIED FOR CONFORMANCE WITH DESIGN PLANS
 2-ALL SITE DESIGN INFORMATION ARE PENDING CONFIRMATION OF EXISTING DRAINAGE SYSTEM AND INVERT ELEVATION IN THE STREET AT PROPOSED CONNECTION POINTS.

NOTE:
 EXISTING CONDITION PLAN INFORMATION IS BASED ON A PLAN BY JARVIS LAND SURVEY INC. DATED 3/29/24.
 CONTRACTOR SHALL CONFIRM ALL INFORMATION AND REPORT ANY DISCREPANCIES BEFORE START OF CONSTRUCTION TO THE ENGINEER IN WRITING FOR DESIGN REEVALUATION.



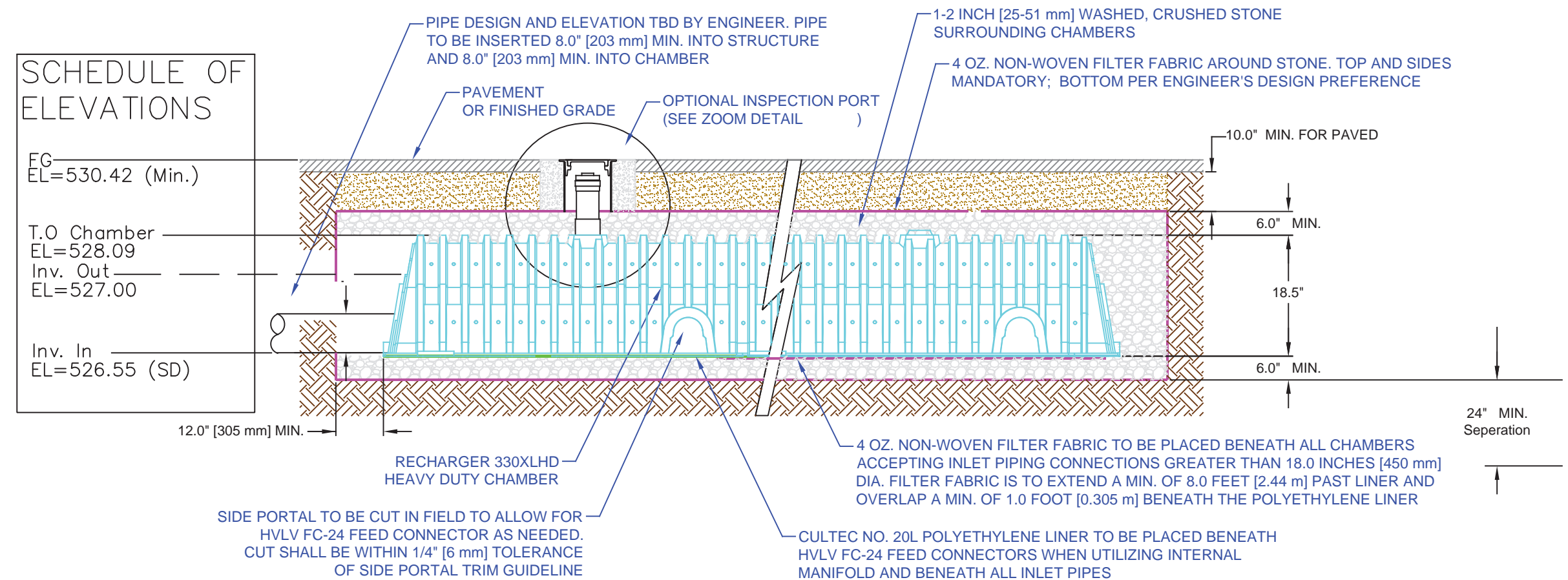
DRAINAGE PLAN

22 WAVERLY STREET
 WORCESTER, MA

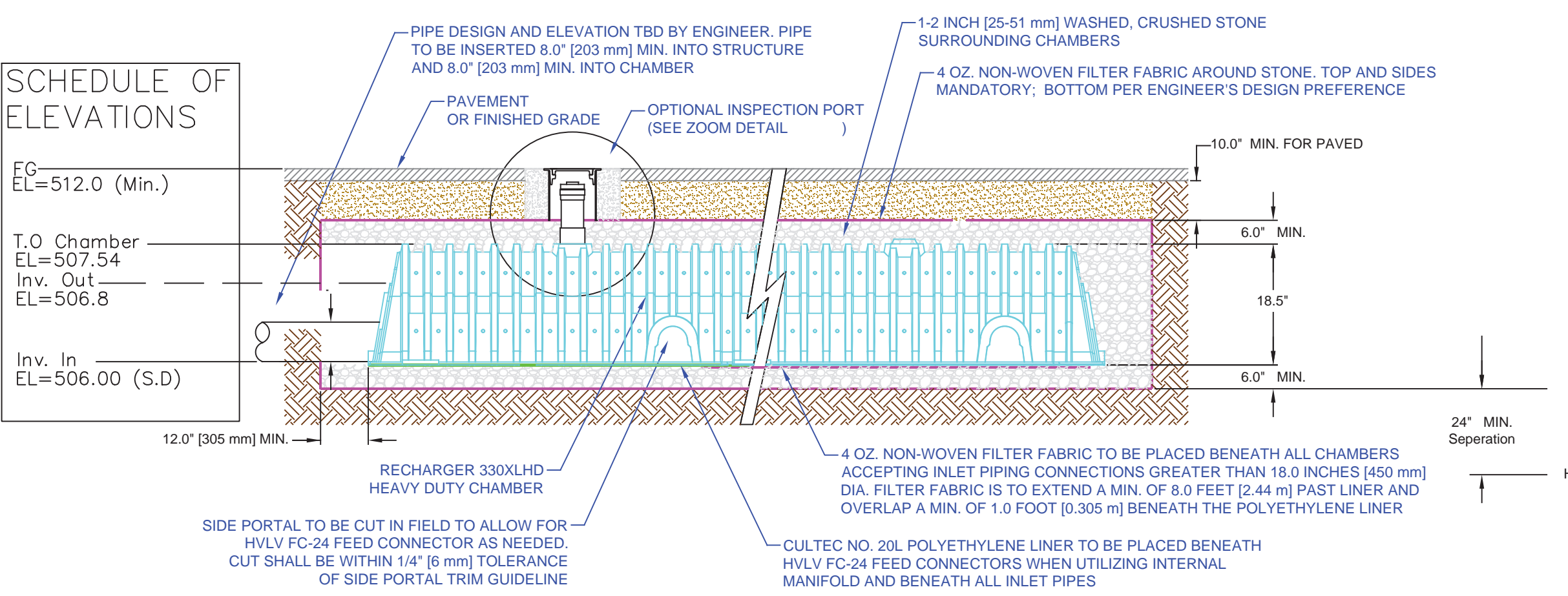
PREPARED BY:
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DATED: 6/6/24		SHEET 1 OF 2	
REVISION NO.	DATE	REVISION NO.	DATE
1	7/22/24	2	9/22/24

SCALE 1:20

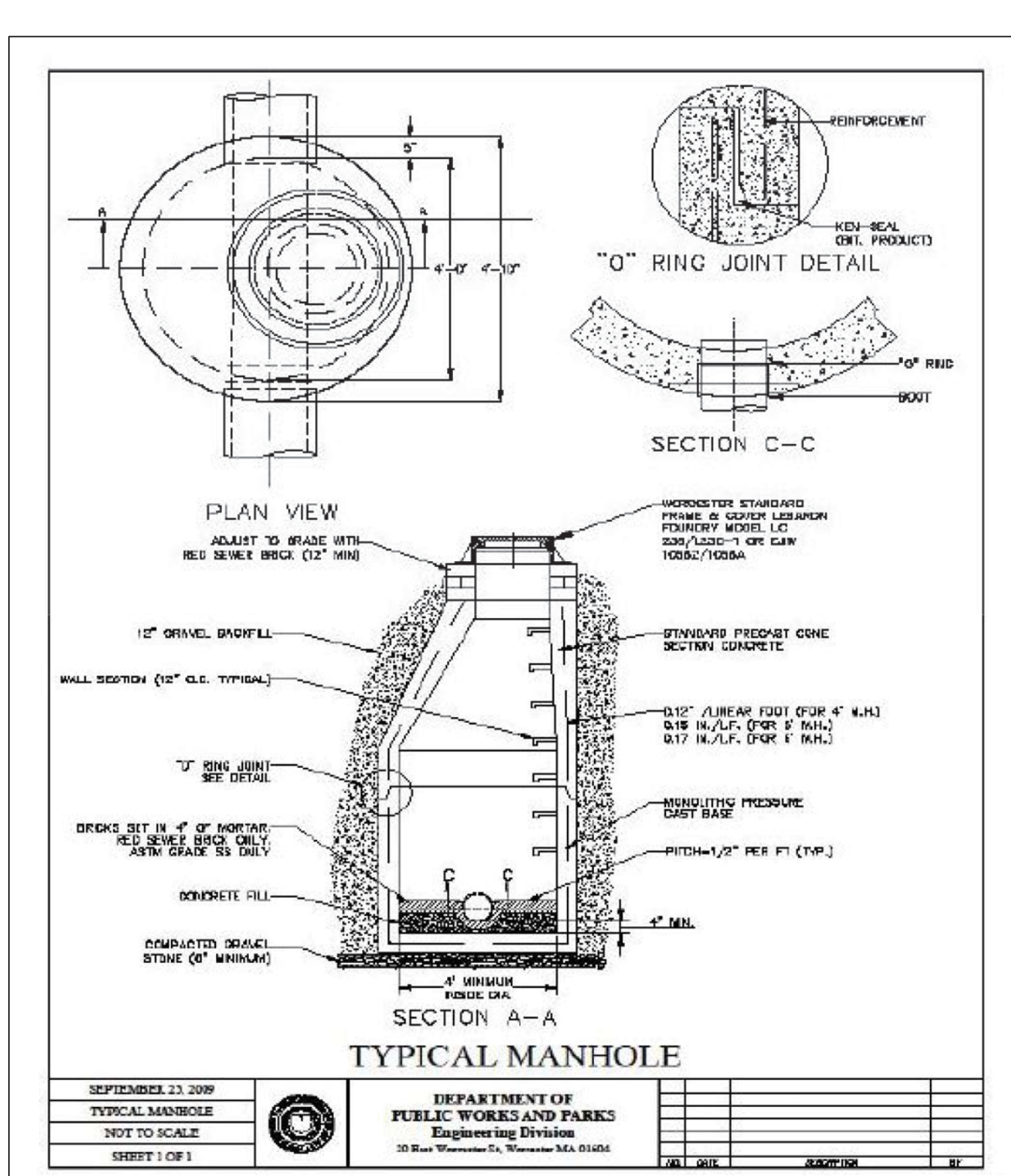
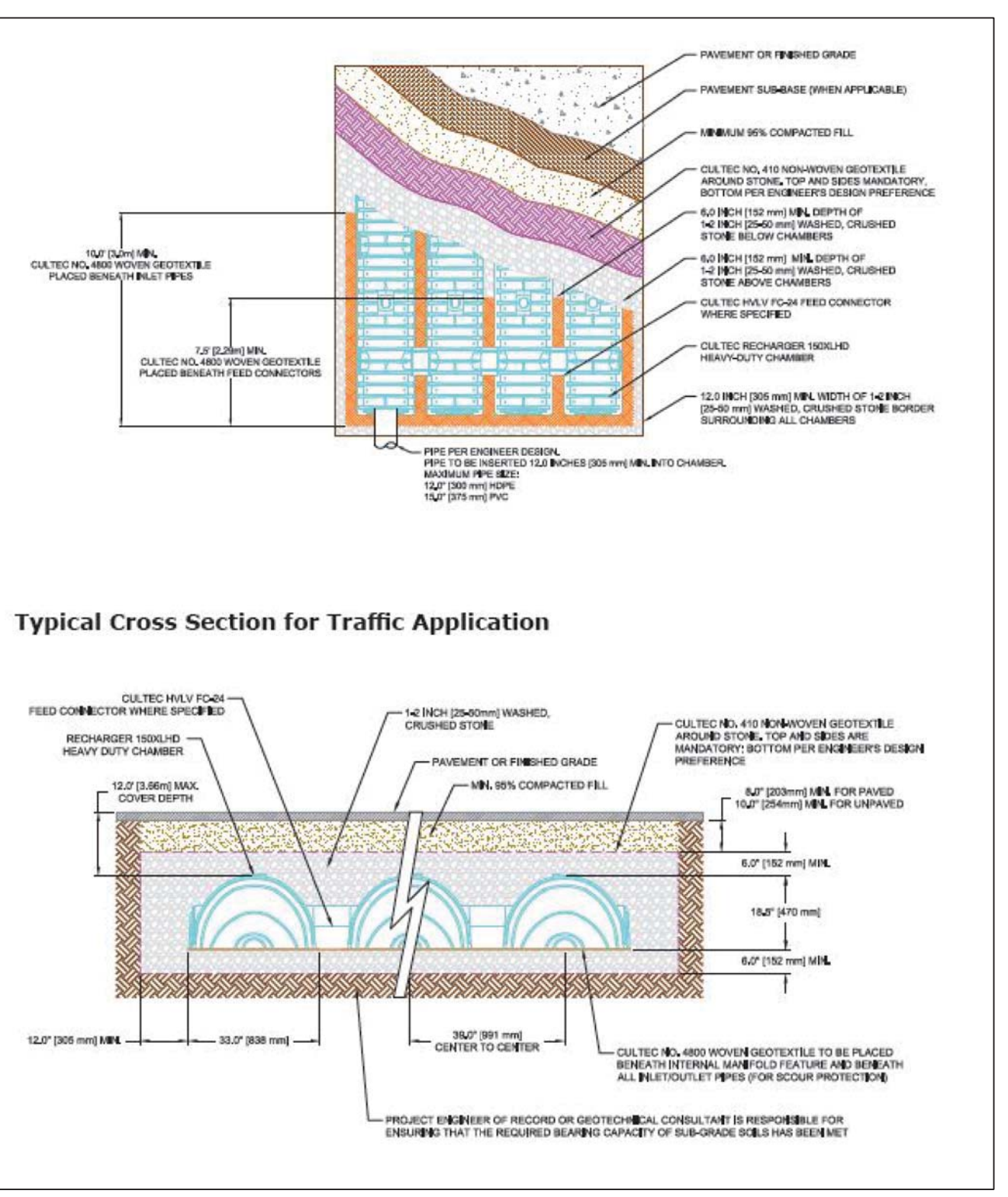


UPPER PARKING LOT

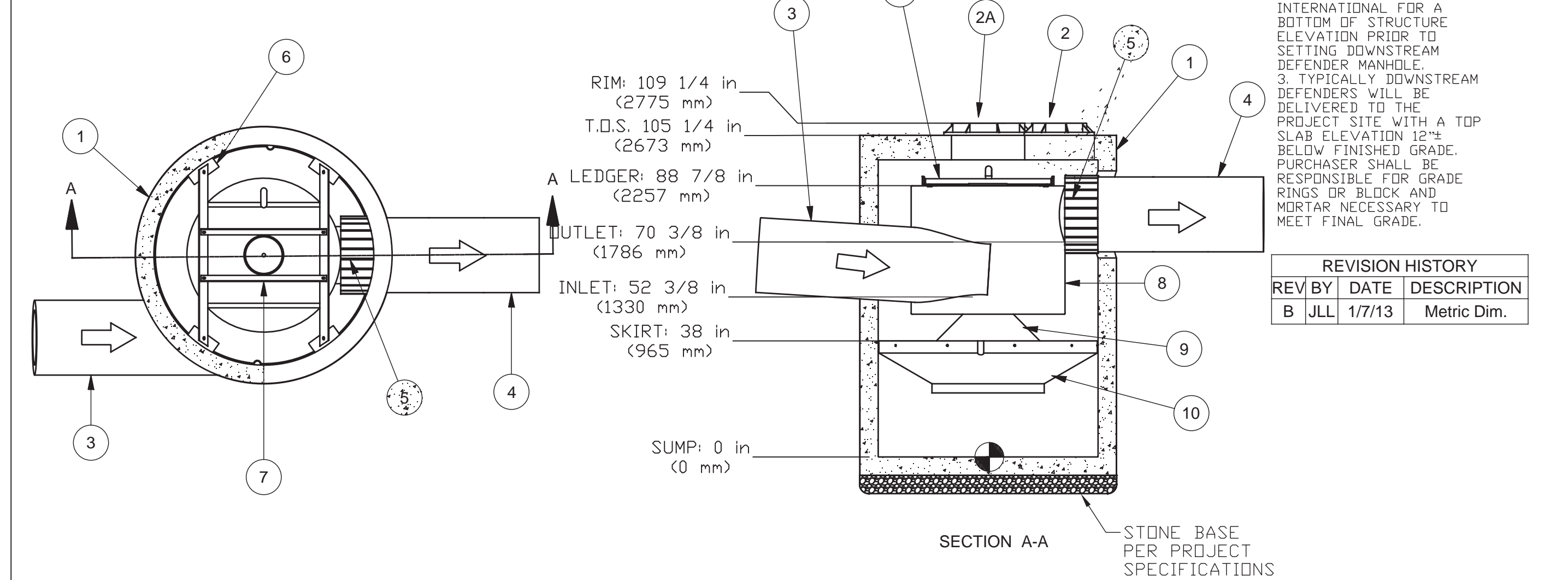


LOWER PARKING LOT

Cultec Recharger System 150XLHD- (H-20 LOADING)



NOT FOR CONSTRUCTION - CONTACT HYDRO INTERNATIONAL FOR SITE SPECIFIC DRAWINGS



ITEM	DESCRIPTION	SIZE
1	PRECAST MANHOLE (BY HYDRO VIA PRECASTER)	72 in
2	FRAME AND COVER	18 in
2A	FRAME AND COVER	24 in
3	INLET PIPE (BY OTHERS) ²	18 in
4	OUTLET PIPE (BY OTHERS) ¹	18 in
5	PIPE COUPLING (BY OTHERS)	
6	LEDGER ANGLE	
7	SUPPORT FRAME	
8	DIP PLATE	
9	CENTER SHAFT AND CONE	
10	BENCHING SKIRT	

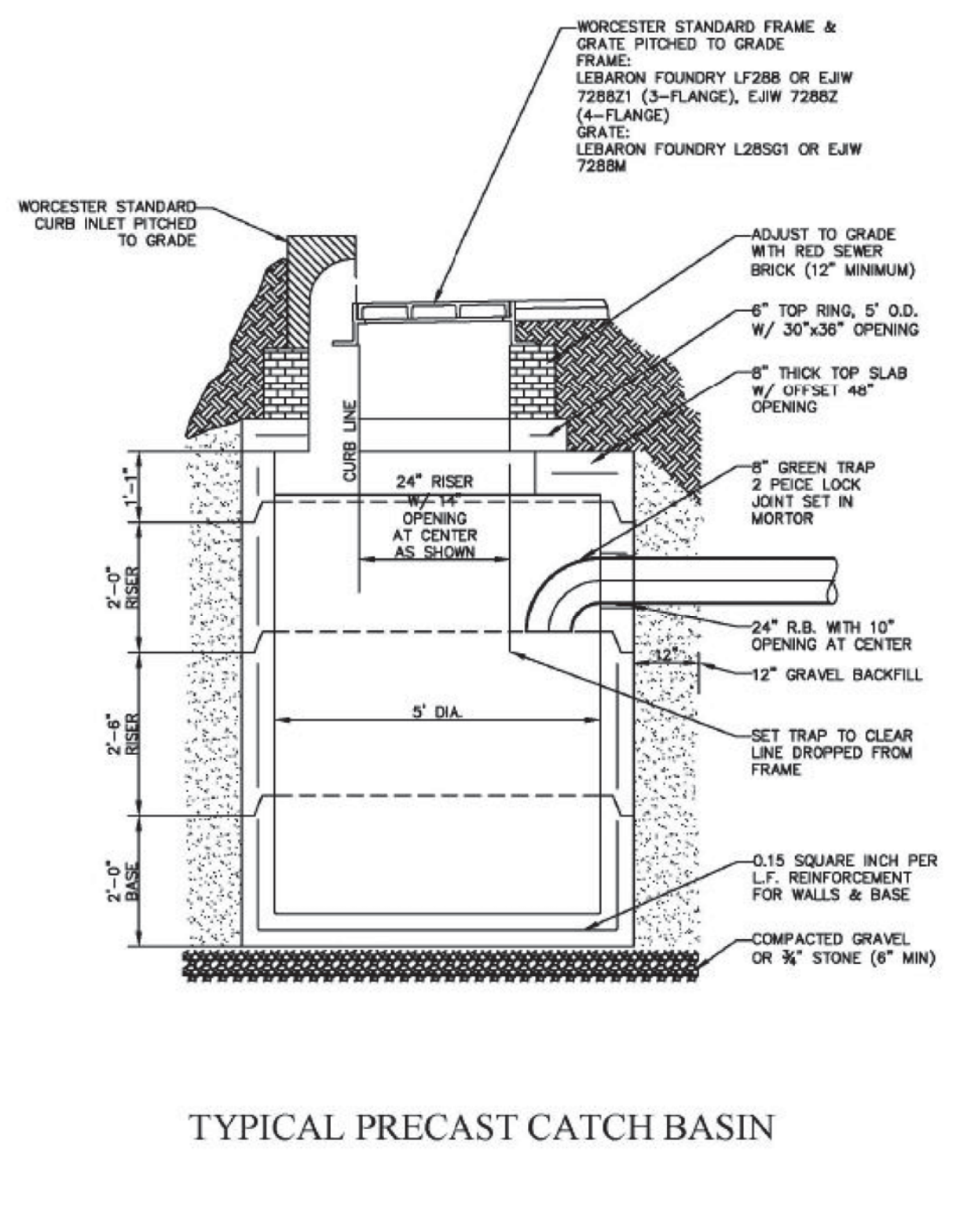
CAPACITIES:

- Peak treatment flow 8.0 cfs (227 l/s)
- Sediment storage capacity: 2.10 Cu. yd. (1.61 cu. m)
- Oil storage capacity: 216 Gal. (819 liters)

ADDITIONAL DESIGN INFORMATION:

- The outlet pipe stub (not shown) is a roto-molded product with an I.D. of 18 in. that cannot be modified. To avoid the use of a reducer or expander on the outlet an 18 in. outlet pipe should be used if possible. The orientation of the outlet pipe can be adjusted to suit site conditions.
- Maximum pipe size is 18 in. The inlet pipe invert should be placed one inlet pipe diameter below the outlet pipe invert. The I.D. of the inlet pipe should be placed tangent to the I.D. of the manhole. The orientation of the inlet pipe can be adjusted to suit site conditions. Headloss at 8.0 cfs with an 18 in. inlet: 12 in. (305 mm). Headloss will increase with smaller inlet pipes.
- Sediment shall be stored in a zone that is isolated from the main flow path and protected from re-entrainment by the benching skirt.
- Dimensions are general and intended for guidance only.

DOWNSTREAM DEFENDER DETAIL



DRAINAGE PLAN DETAIL

22 WAVERLY STREET
WORCESTER, MA

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