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Revisions:

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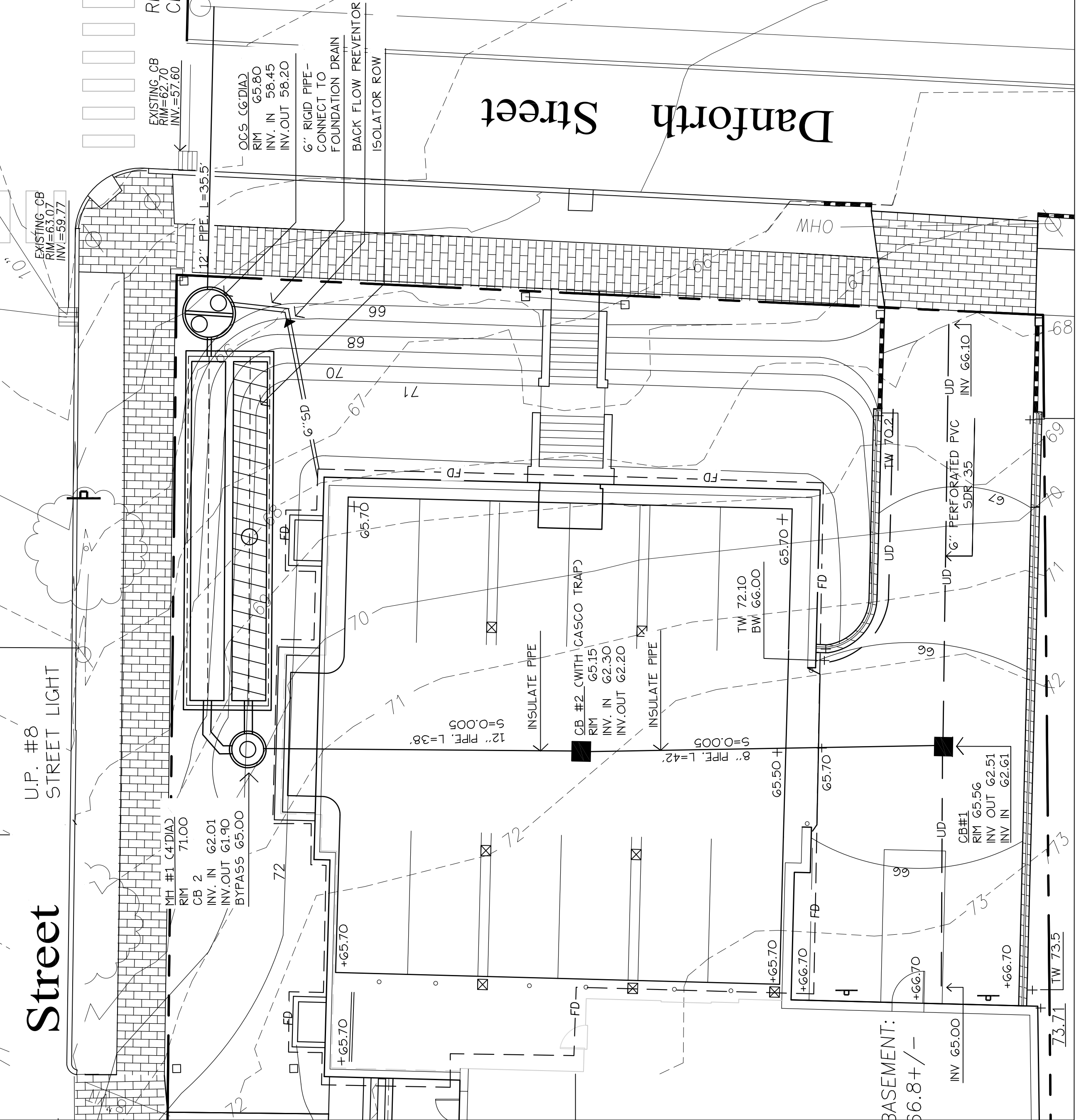
Title: STORMWATER MANAGEMENT PLAN AND DETAILS

Scale: AS SHOWN

North:

Sheet No.: 10

ISSUED FOR SEPTEMBER 8, 2011



4 GRADING AND DRAINAGE PLAN
 SCALE: 1"=10'

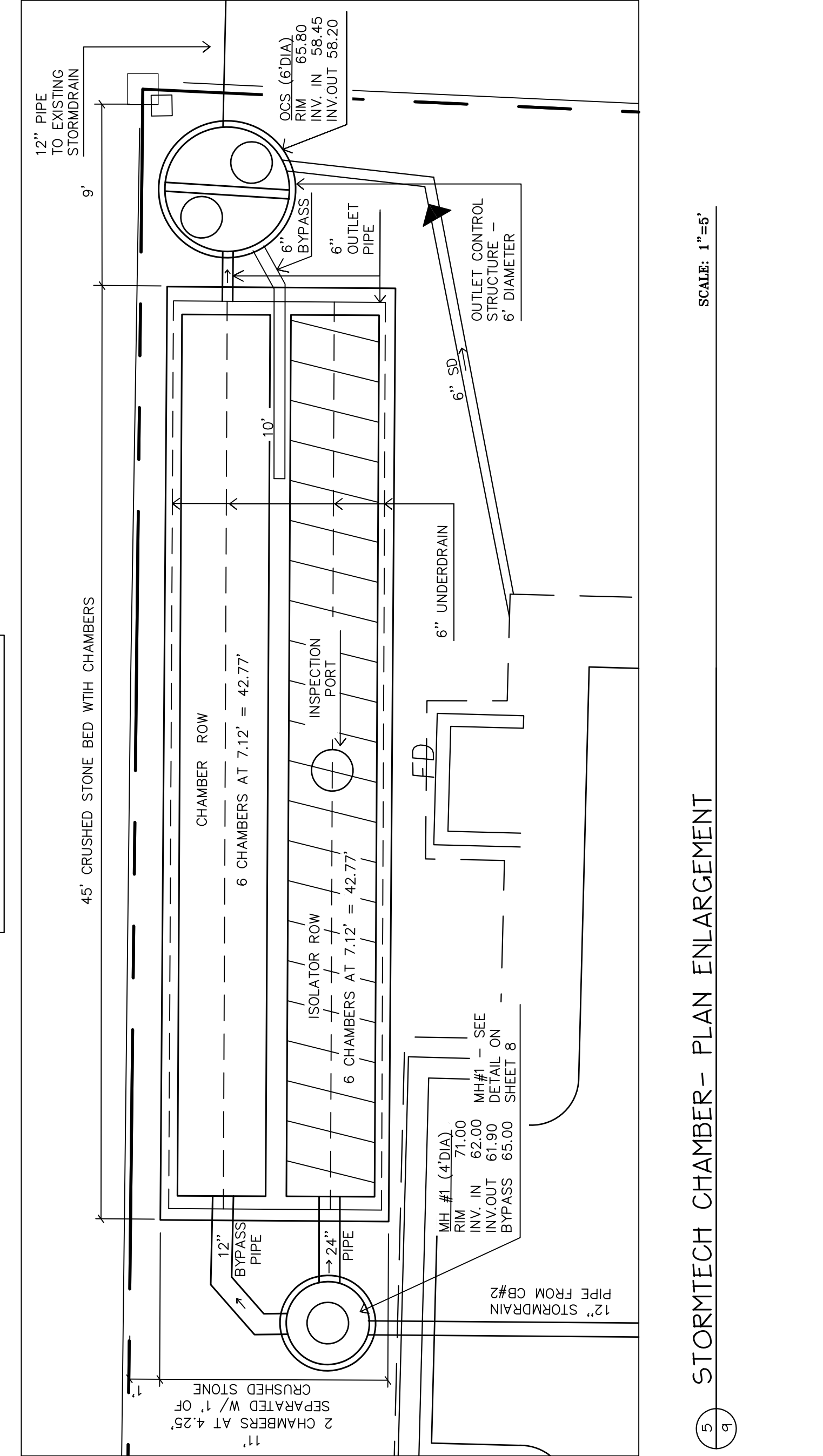
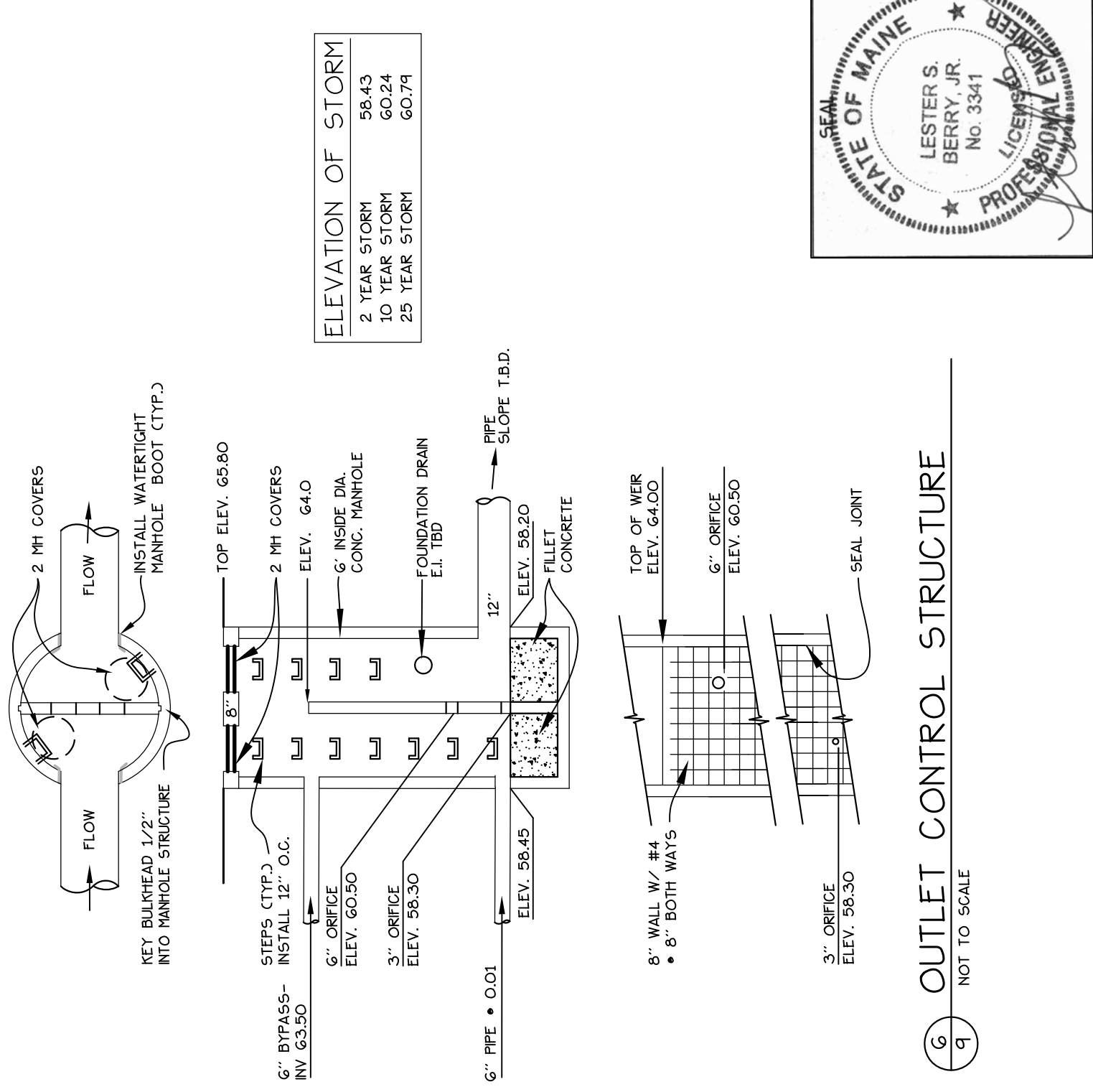


TABLE 7.1 Maine DOT Specifications for Underdrains (MEDOT #702.23)

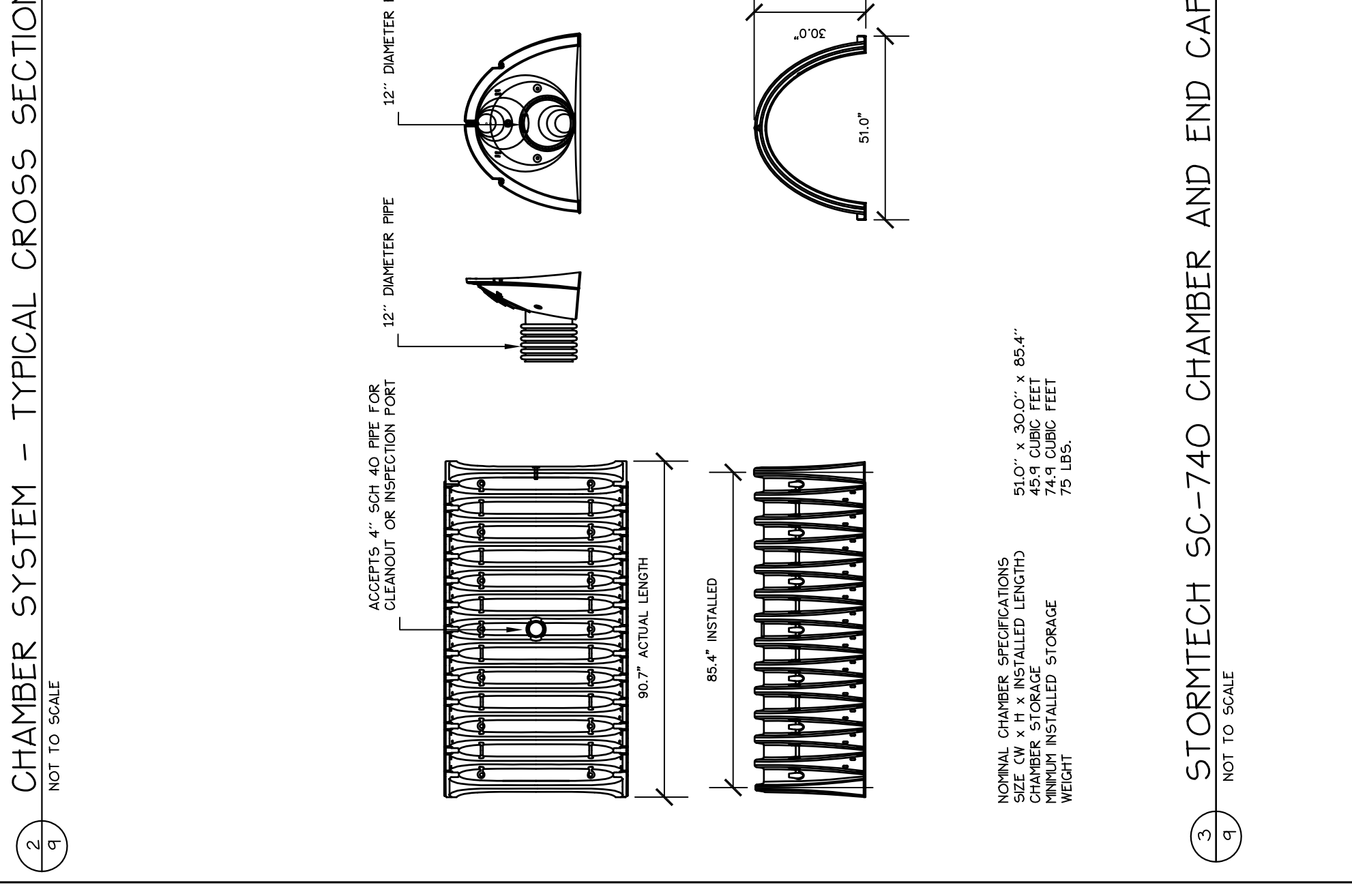
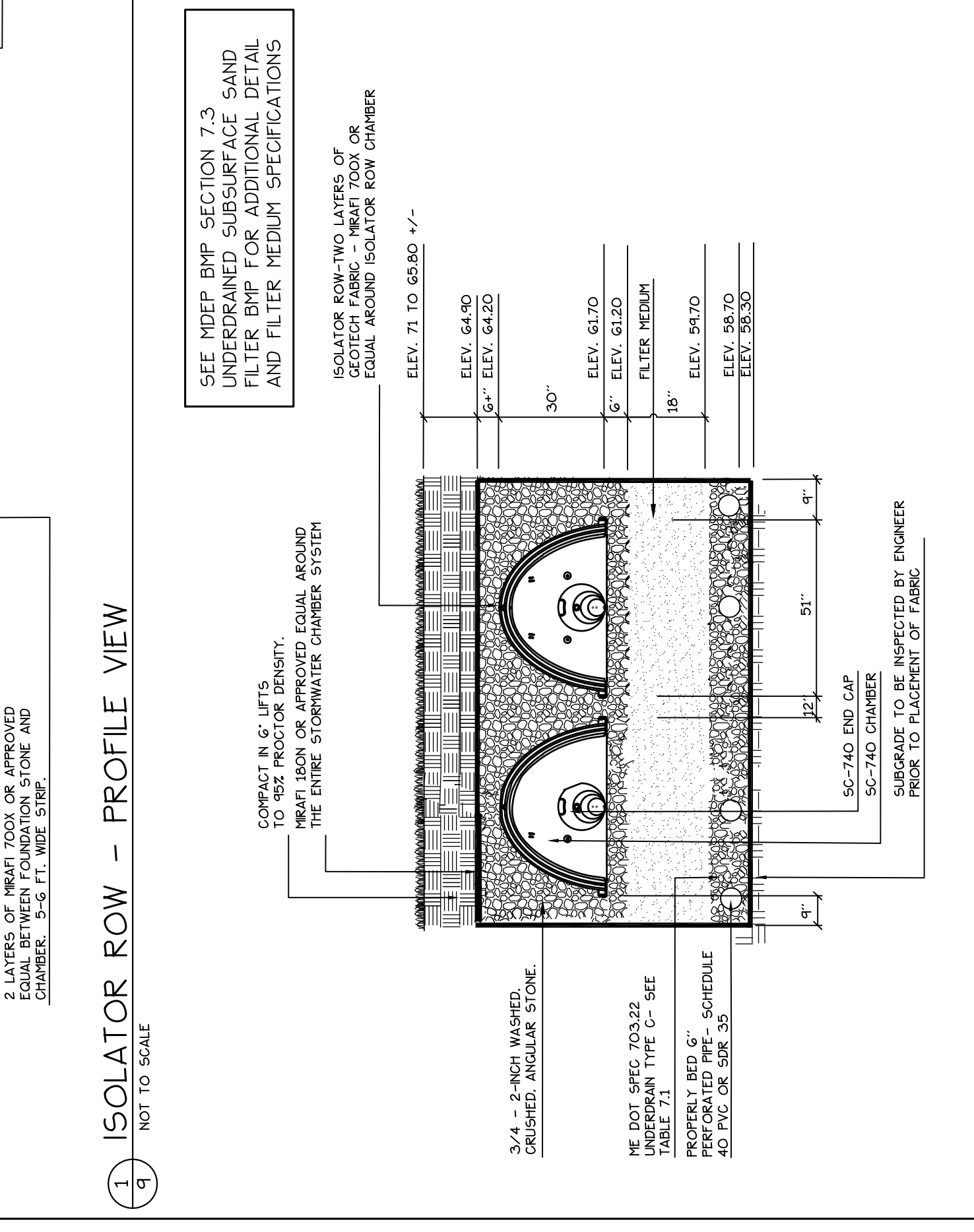
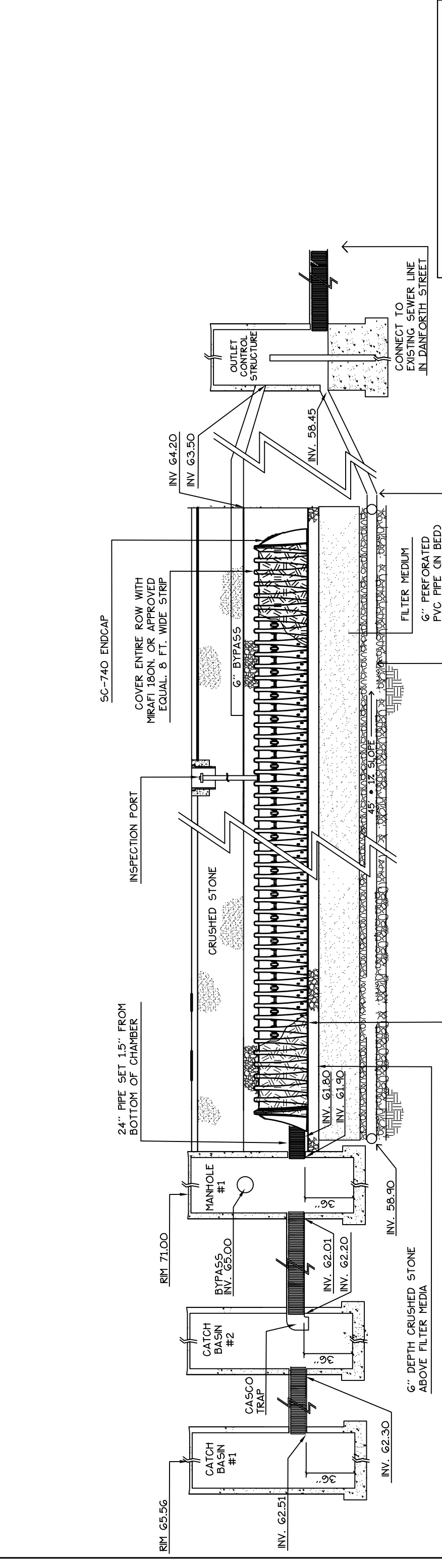
Screen Size	% by Weight
1"	100
3/4"	90-100
3/8"	0-75
#4	0-25
#10	0-5

TABLE 7.2 Maine DOT Specifications for Aggregate (MEDOT #704.0)

Screen Size	% by Weight
3/8"	100
#4	95-100
#8	80-100
#16	50-85
#30	25-60
#60	10-30
#100	2-10
#200	0-5

Medium:
 Sand Filter Bed: The sand filter must be at least 18 inches deep on top of the gravel base. It should be composed of a uniform mix of sand across the bottom of the entire filter area. This sand material shall be a uniform mix, free of stones, stumps, roots, or other similar objects larger than two inches. The preferred material should have minimal clay content but contain between 8% and 10% fines passing the #200 sieve but should meet the other specifications in Table 7.1 above. The depth of the sand filter should be 24 inches. The material will need to be submitted to a rigid testing protocol to insure adequate permeability at the anticipated level of compaction (92 to 95% Proctor). The permeability of the material will decrease due to compaction and the amount of fines may be adjusted to maintain the expected drainage rate.

Pre-Treatment: Pre-treatment will be required and will include the StormTech Isolator Row or an equally effective sediment removal technology and additional pre-treatment for hydrocarbons by a combination of gravity (floatation) or absorption. A 5-year maintenance contract for regular seasonal inspection of the system and for cleaning the pre-treatment must include a strategy to attenuate hydrocarbons, often located in the catchbasins that drain to the filter.



6 OUTLET CONTROL STRUCTURE
 NOT TO SCALE

7 STORMTECH CHAMBER - PLAN ENLARGEMENT
 SCALE: 1"=5'

8 STORMTECH SC-740 CHAMBER AND END CAP
 NOT TO SCALE