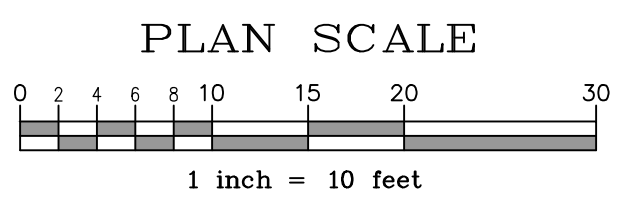
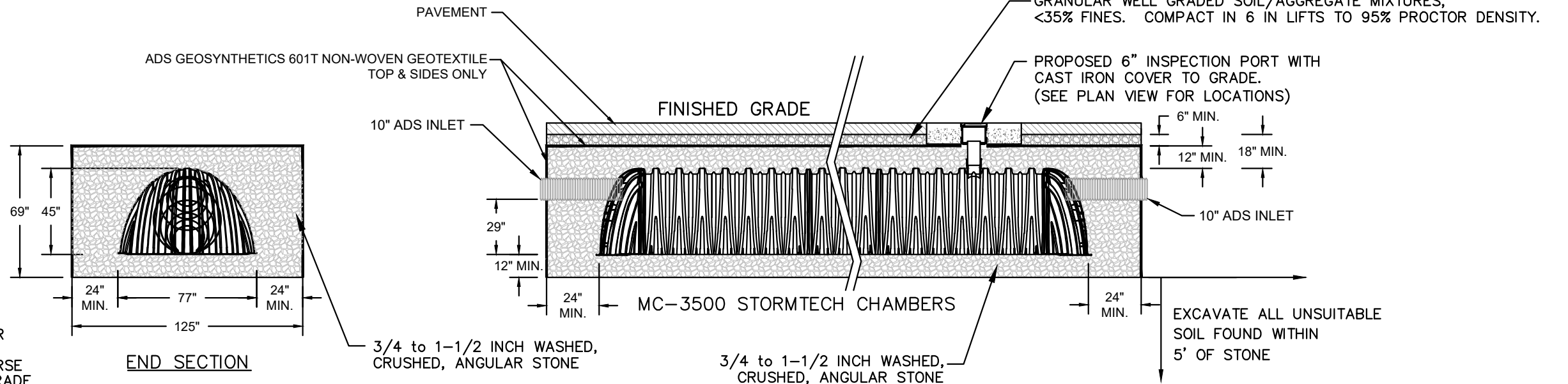
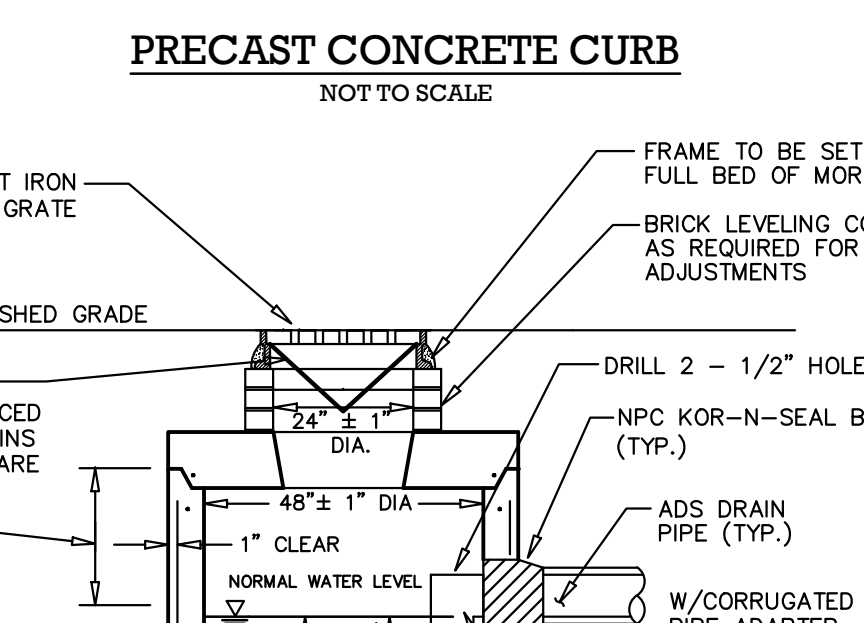
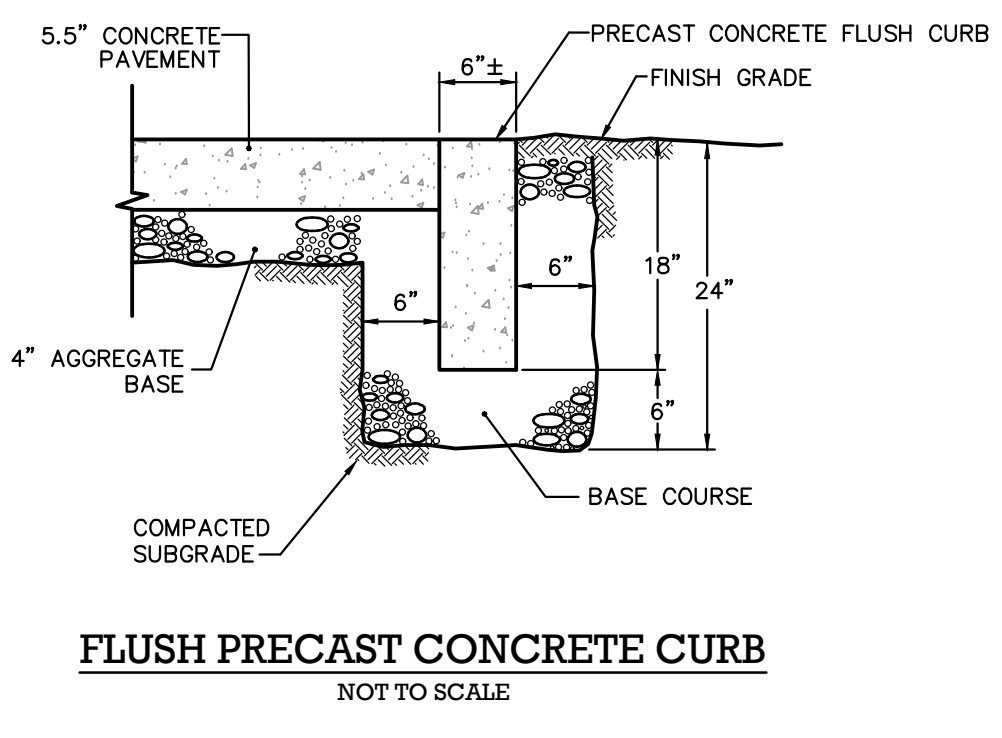
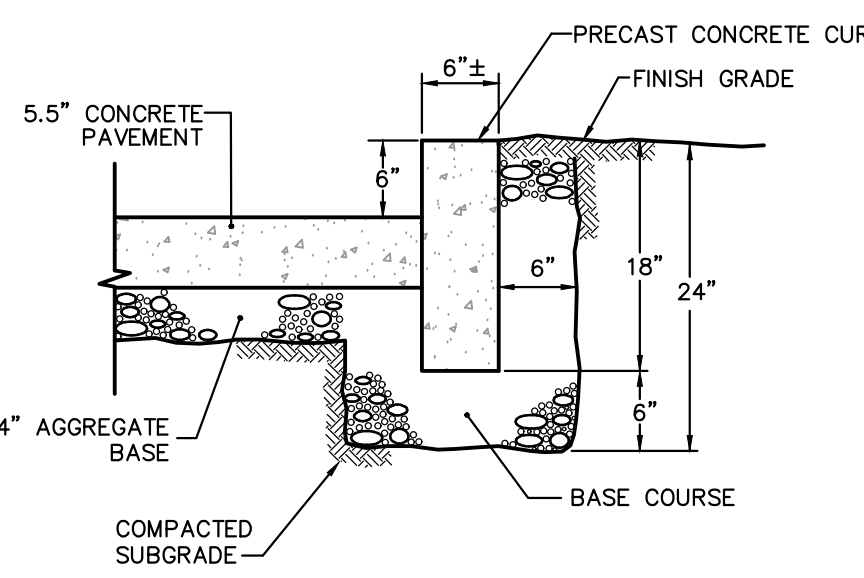
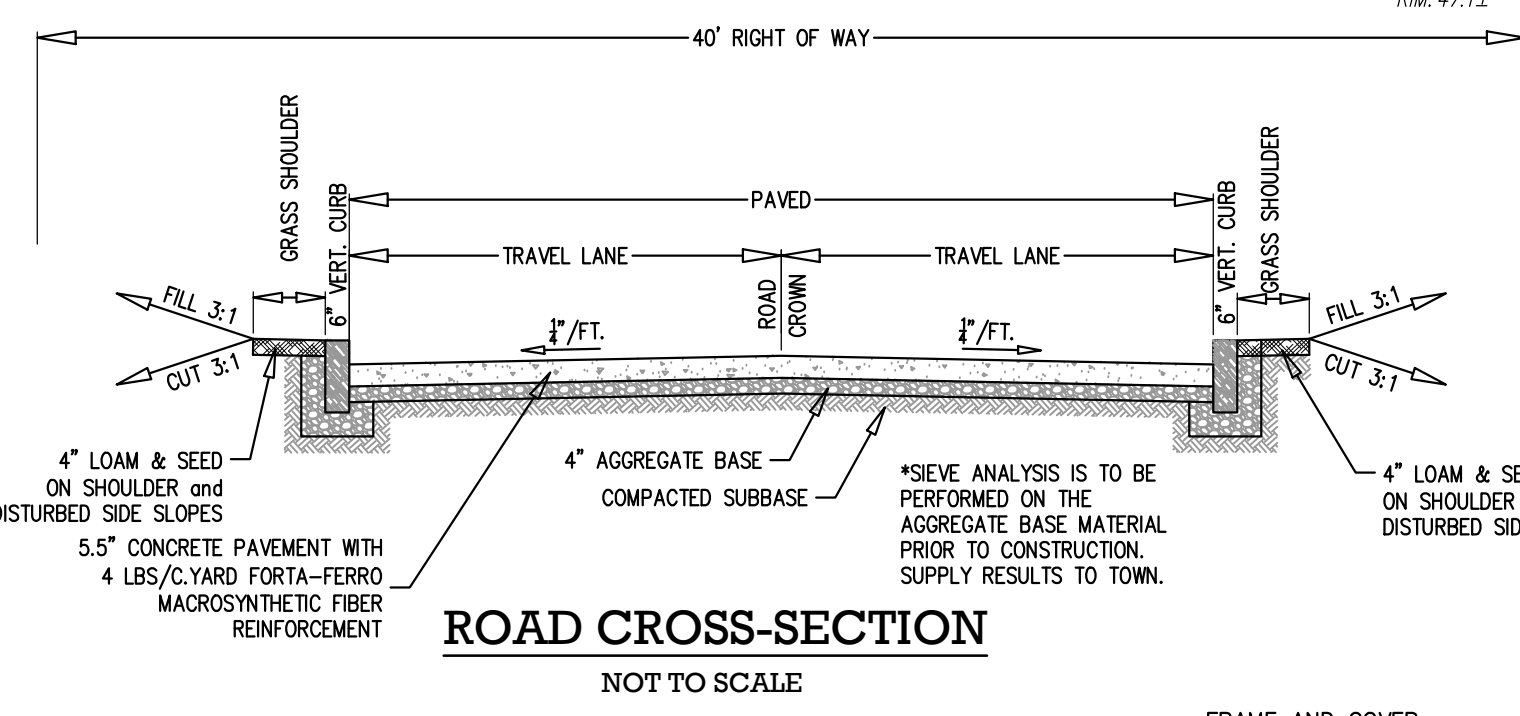


Notes

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- LEGEND**
- = PROPOSED 10" ADS DRAIN LINE
 - ⊙ = C.BASIN
 - ⊙ = DMH
 - - - 50.1 = EXISTING CONTOUR
 - 50.00 = EXISTING SPOT GRADE
 - 50x00 = PROPOSED SPOT GRADE
 - 50.0 = PROPOSED CONTOUR
 - = EXISTING ELECTRIC
 - = EXISTING WATER
 - = EXISTING SEWER
 - = EXISTING WATER SHUTOFF
 - = EXISTING HYDRANT
 - = EXISTING WATER VALVE
 - = EXISTING WATER METER



NOTES:

CHAMBERS SHALL MEET ASTM F 2418-05 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".

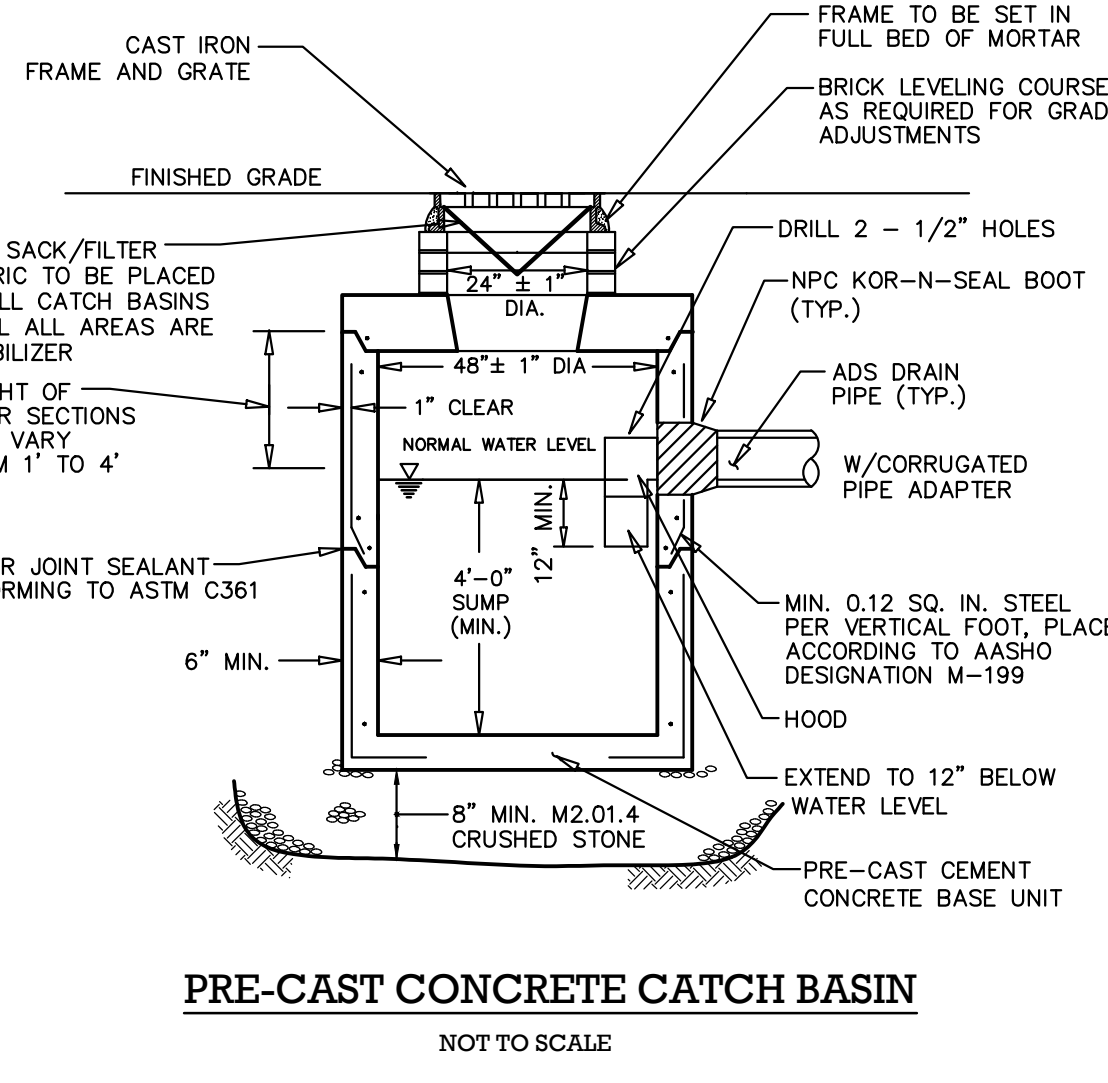
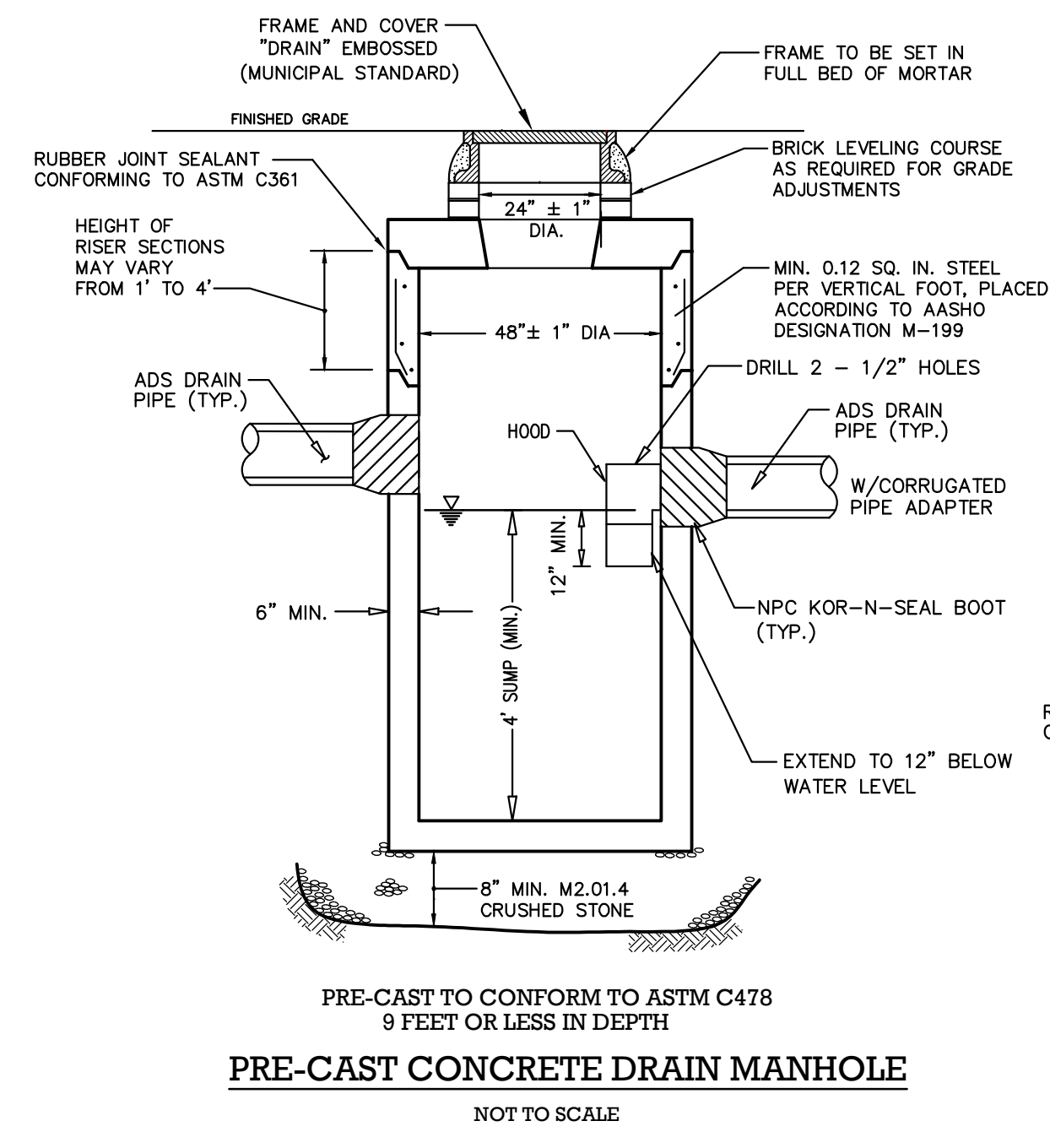
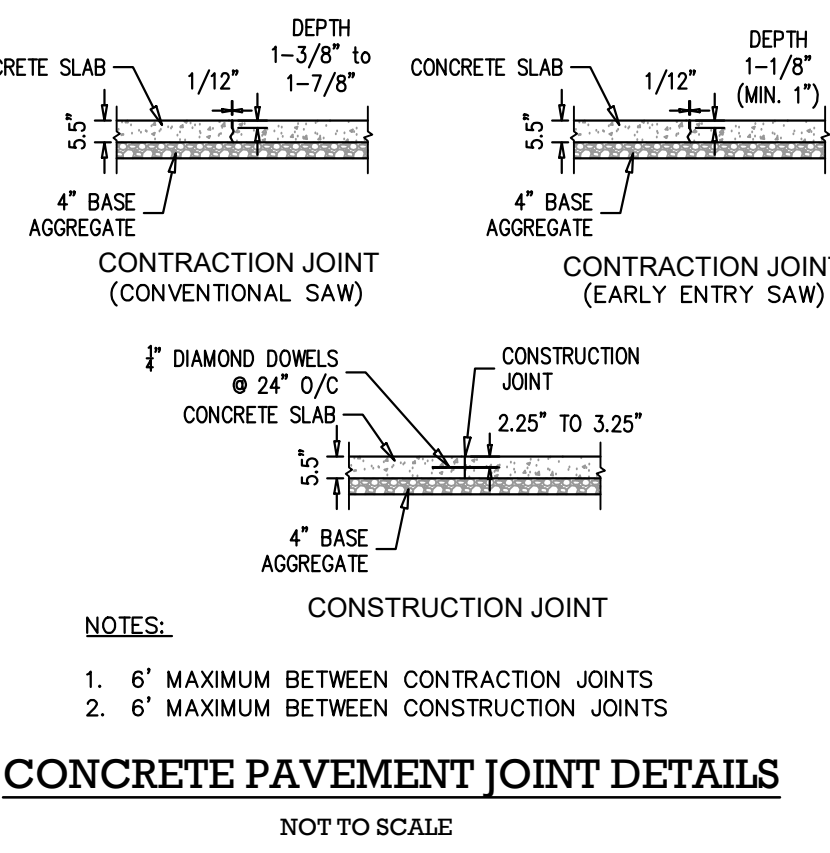
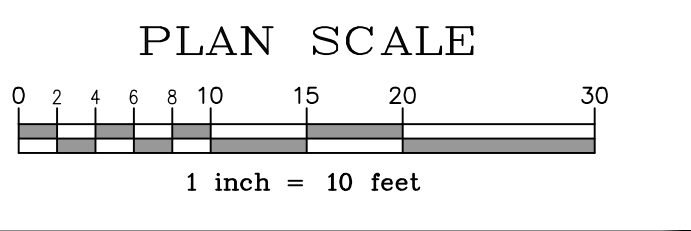
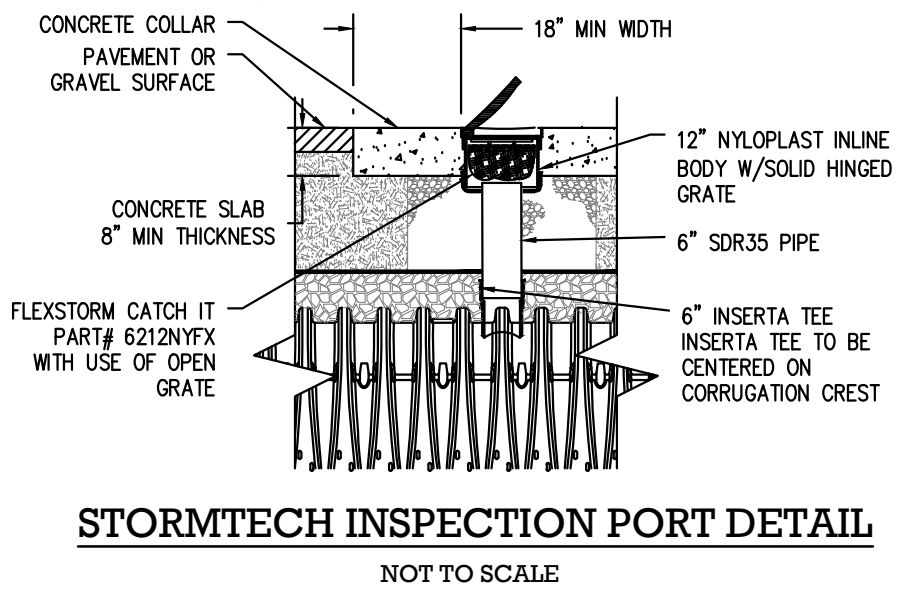
THE INSTALLED CHAMBER SYSTEM SHALL PROVIDE THE SAFETY FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS SECTION 12.12 FOR EARTH AND LIVE LOADS, WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.

THIS CROSS SECTION DETAILS THE REQUIREMENTS NECESSARY TO SATISFY THE SAFETY FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS SECTION 12.12 FOR EARTH AND LIVE LOADS USING STORMTECH CHAMBERS.

UNSATURABLE SOILS : SURFICIAL ORGANICS, SURFICIAL OR BURIED TOP SOIL/SUB SOIL, OLD FOUNDATION, UTILITIES, PAVEMENT, FILL AND ALL OTHER DELETERIOUS MATERIAL.

SOIL INSPECTION: THE DESIGN ENGINEER SHALL CONDUCT A BOTTOM OF EXCAVATION TEST, TO VERIFY THE UNSATURABLE MATERIALS HAVE BEEN REMOVED PRIOR TO BACKFILL OF SAND AND PRIOR TO THE INSTALLATION OF THE CRUSHED STONE BASE.

PROTECTION: INFILTRATION AREAS ARE TO BE PROTECTED DURING CONSTRUCTION AND AVOID OVER COMPACTION TO INSURE THE INFILTRATION CAPACITY IS MAINTAINED.



	SYSTEM SIZE	# OF UNITS	# OF ROWS	TOP OF STONE	TOP OF CHAMBER	INVERT IN	BOTTOM CHAMBER	BOTTOM STONE	FINISHED GRADE
SWMA #1	10.42'W x 57.89'L x 5.75'H	7	1	45.03	44.03	42.70	40.28	39.28	46.8± to 46.4±
SWMA #2	10.42'W x 43.55'L x 5.75'H	5	1	45.03	44.03	42.70	40.28	39.28	46.9± to 46.4±

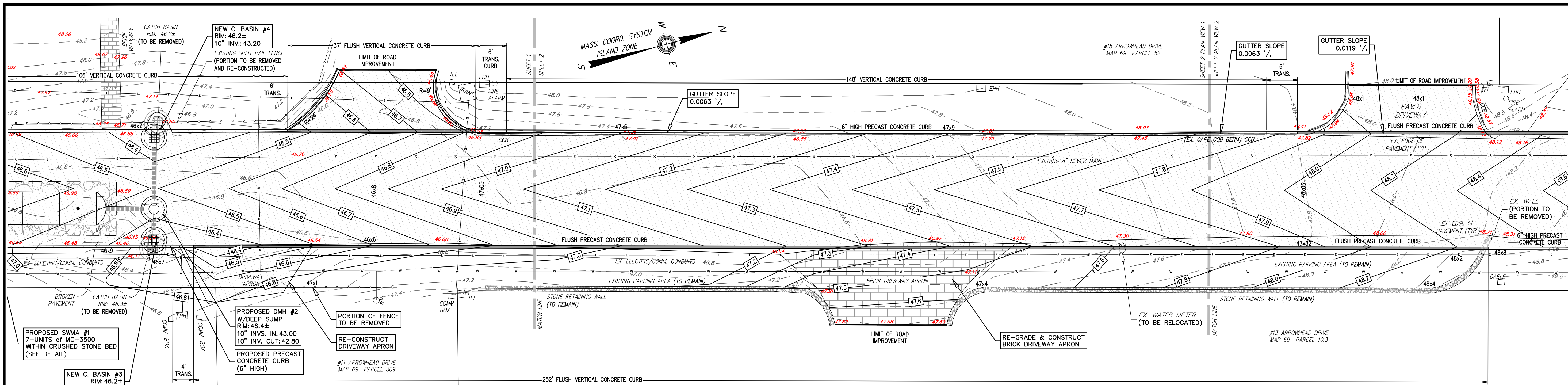
STORMWATER MANAGEMENT AREAS

Prepared By:
BRACKEN ENGINEERING, INC.
 49 HERRING POND ROAD BUZZARDS BAY, MA 02532
 (tel) 508.833.0070 (fax) 508.833.2282
 19 OLD SOUTH ROAD NANTUCKET, MA 02554
 (tel) 508.325.0044 (www.brackeneng.com)

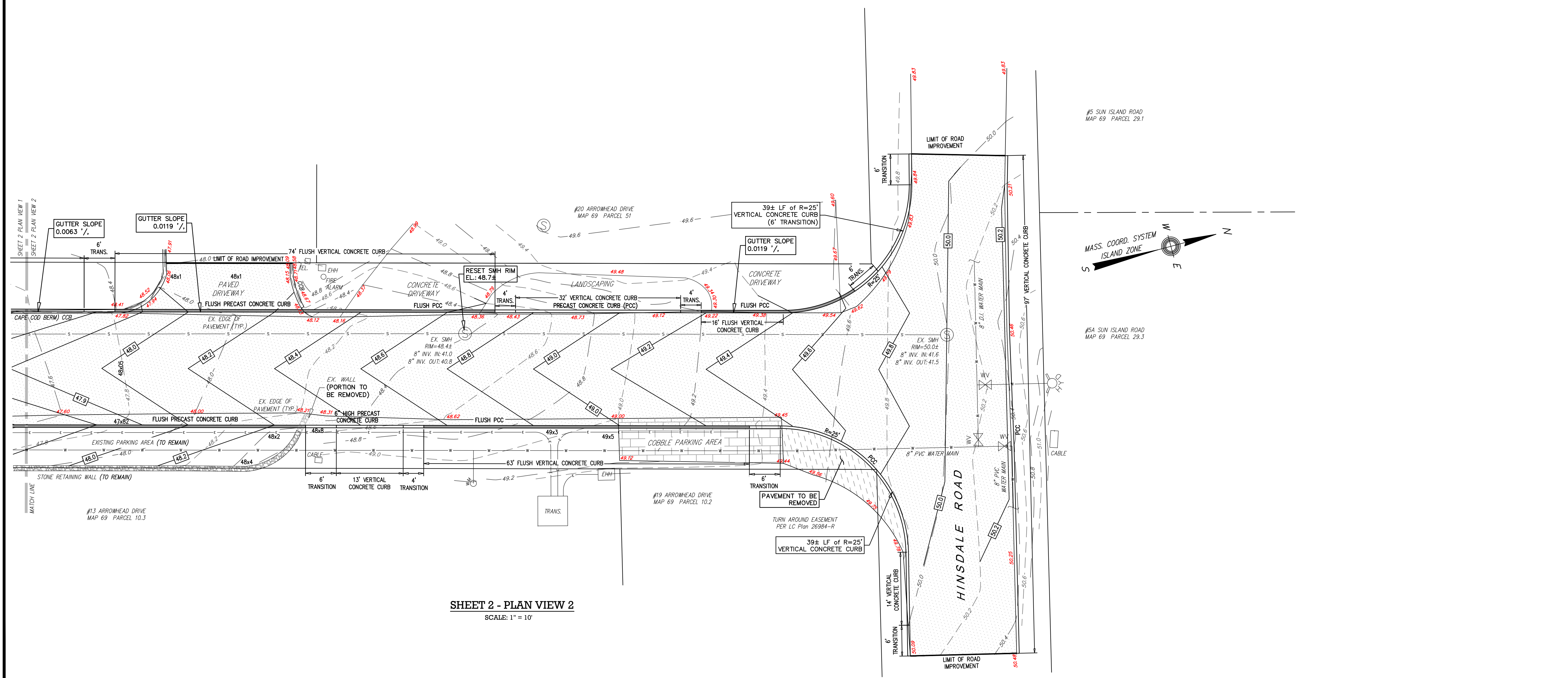
PROPOSED ROAD IMPROVEMENT PLAN IN NANTUCKET, MA
 Prepared For:
 ARROWHEAD DRIVE, SPEARHEAD ROAD & HINSDALE ROAD

No.	Date	Revision Description	By
1	08/30/23	ADD CURBING NOTES & ADDITIONAL DETAILS	ERC

Date: JUNE 13, 2022 Drawn: ERC/BEI Checked: DFB/AMG Sheet: 1 of 2



SHEET 2 - PLAN VIEW 1
SCALE: 1" = 10'



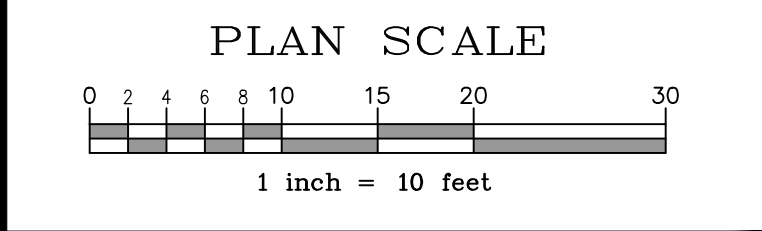
SHEET 2 - PLAN VIEW 2
SCALE: 1" = 10'

Notes

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LEGEND

- = PR. 10" ADS DRAIN LINE
- = PROPOSED CATCH BASIN
- = PROPOSED DRAIN MANHOLE
- = EXISTING CONTOUR
- = EXISTING SPOT GRADE
- = PROPOSED SPOT GRADE
- = PROPOSED CONTOUR
- = EXISTING ELECTRIC
- = EXISTING WATER
- = EXISTING SEWER
- = EXISTING WATER SHUTOFF
- = EXISTING HYDRANT
- = EXISTING WATER VALVE
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J:\AutoCAD Drawings\Nantucket\Arrowhead Drive\Arrowhead Drive (Drainage and Utilities)\Arrowhead Drive\Drawings\DWG\23-08-001.dwg