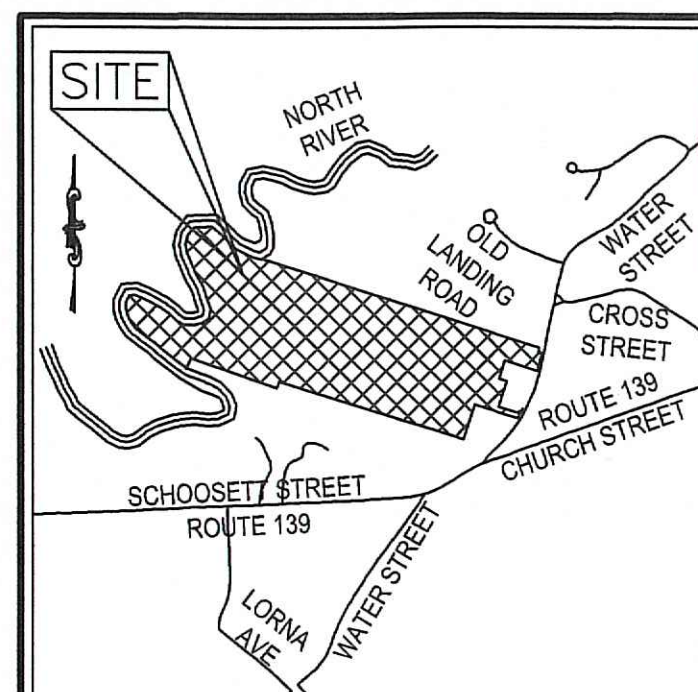
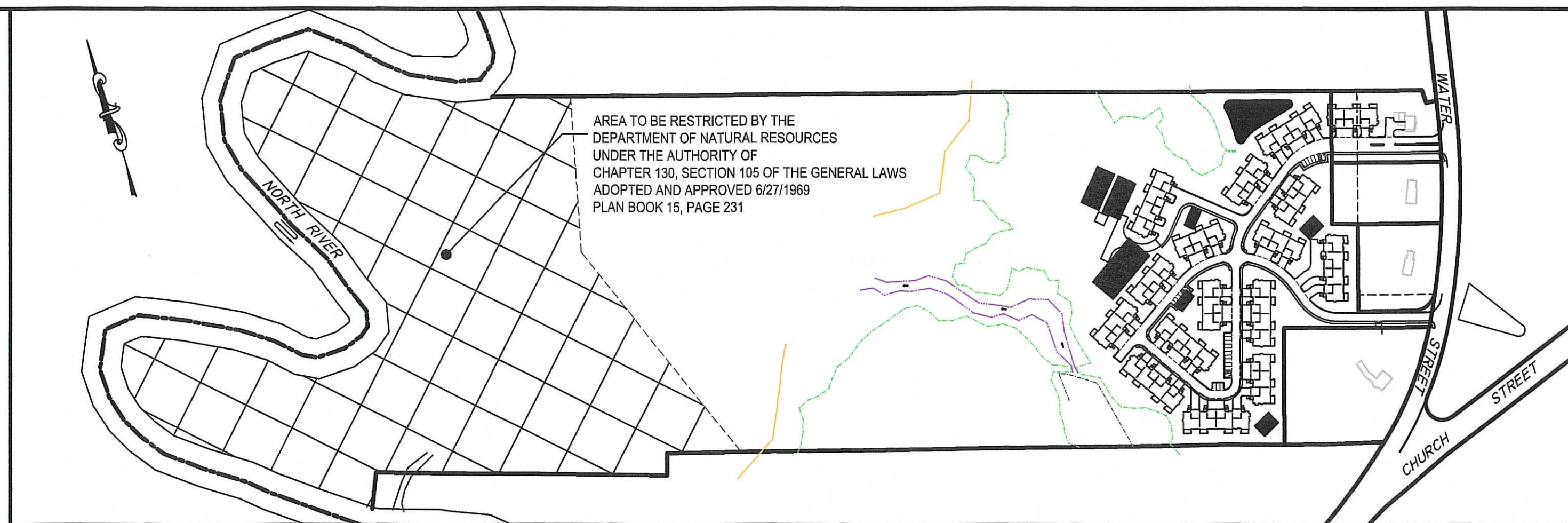




LOCUS MAP
Not to Scale



OVERALL MAP
SCALE: 1"=250'

ABBREVIATIONS

APPROX. ASPH. BIT. CCB CB CONC. DMH EL. F.F. GG HYD L LP N/F No. PRC PVO R RCP RD REM SMH TYP. M VGC WG

APPROXIMATE ASPHALT BITUMINOUS CAPE COD BERM CONCRETE DRAIN MANHOLE ELEVATION FIRST FLOOR GAS GATE HYDRANT LENGTH LIGHT POLE NOW OR FORMERLY NUMBER PROPOSED POLYVINYL CHLORIDE RIM REINFORCED CONCRETE PIPE ROOF DRAIN REMOVE SEWER MANHOLE TYPICAL METER VERTICAL GRANITE CURB WATER GATE

BUILDING INDEX

(1) P1-UNIT BUILDING = 1 UNIT
(9) 3-UNIT BUILDINGS = 27 UNITS
(7) 4-UNIT BUILDINGS = 28 UNITS
56 TOTAL UNITS
(UNIT LAYOUT AND FLOOR AREAS VARY)
PARKING SUMMARY
56 UNITS X 4 SPACES = 224 SPACES
VISITOR SPACES = 27 SPACES
PARKING PROVIDED = 251 SPACES

OPEN SPACE AND DENSITY CALCULATIONS

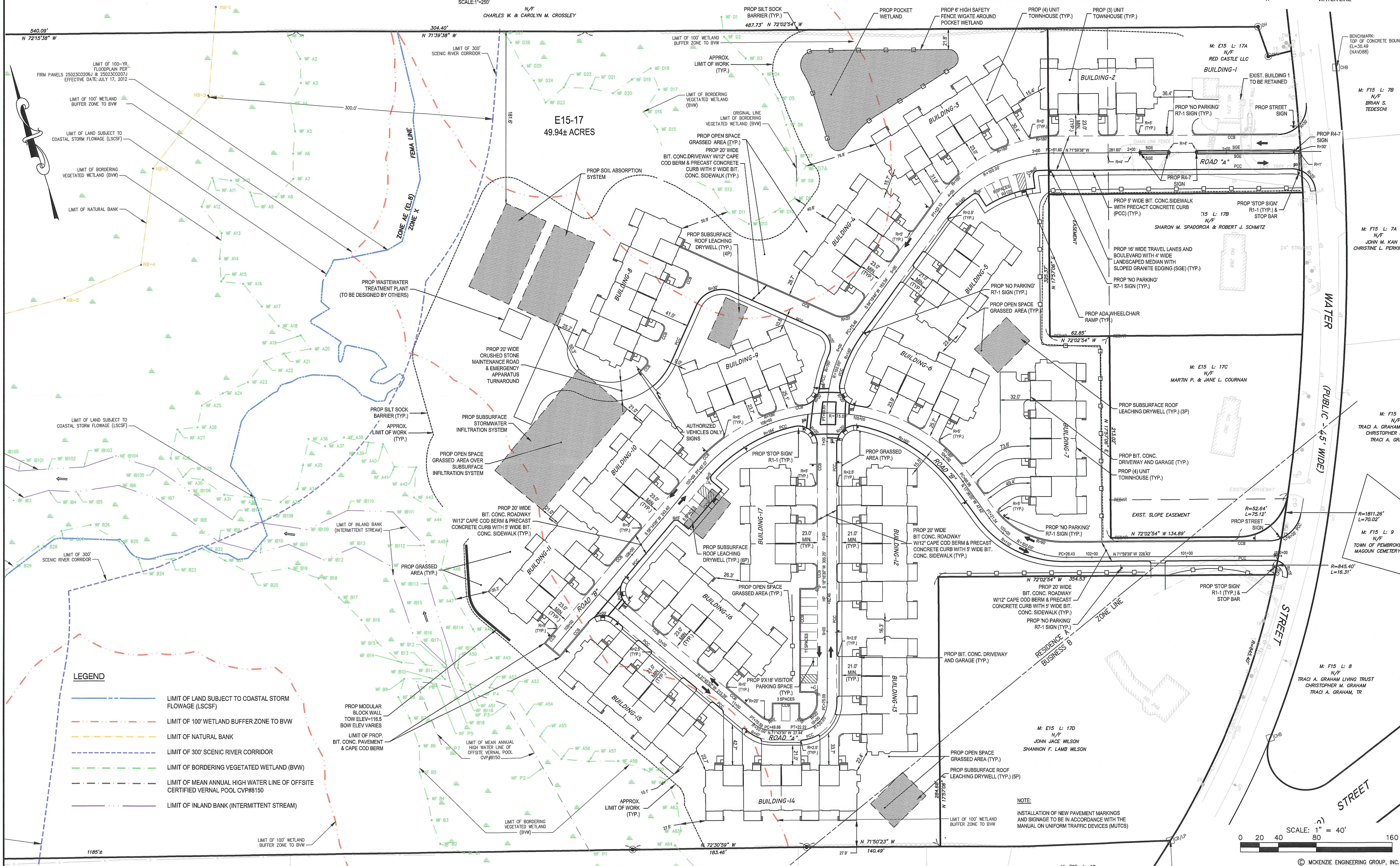
TOTAL LAND AREA = 49.94 AC.
UPLAND LAND AREA = 22.53 AC.
SIDEWALK/ROAD/PARKING AREA = 2.46 AC.
BUILDING AREA = 2.64 AC.
EXISTING IMPERVIOUS = 0.11 AC.
TOTAL NEW IMPERVIOUS = 4.99 AC.
UPLAND OPEN SPACE = 17.54 AC.
UNIT DENSITY = 2.49 UNITS/UPLAND AC.

ROAD INDEX

ROAD A = 1,284 LF
ROAD B = 930 LF
2,214 LF TOTAL LENGTH OF ROAD

SYMBOL LEGEND

CATCH BASIN
UTILITY POLE
SEWER MANHOLE
DRAIN MANHOLE
WATER GATE
HYDRANT
GAS GATE
LIGHT POLE
BOLLARD
ROOF DRAIN
DRAIN LINE
SEWER LINE
GAS MAIN
UNDERGROUND ELECTRIC
WATER LINE



APP	DATE	REV	DESCRIPTION
1	5/12/2017	1	COMMENTS PER MASSHUSING
2	7/14/2017	2	COMMENTS PER MASSHUSING
3	11/22/2018	3	ZBA APPLICATION
4	4/22/2021	4	REVISIONS TO WMP COMPONENT
5	4/25/2021	5	MERRILL ENGINEERS PEER REVIEW COMMENTS
6	6/7/2021	6	RECONFIGURED WMT, STORMWATER SYSTEM AND BUILDINGS
7	6/9/2021	7	COLOR CODED LINE WORK
8	8/31/2021	8	ADDED SIDEWALKS, MERRILL ENGINEERS PEER REVIEW COMMENTS
9	10/12/2021	9	ADDED CROSSWALKS, WORKS, PEER REVIEW COMMENTS

PREPARED BY:
MCKENZIE
ENGINEERING GROUP
Ashleigh Office Park
150 Longwater Drive, Suite 101
Norwell, MA 02061
P: 781.792.3800
F: 781.792.0333
www.mckenzie.com

RIVER MARSH VILLAGE
COMPREHENSIVE PERMIT PLAN
(ASSESSOR'S MAP E-17, LOT 0 & E-17A, LOT 274)
PEMBROKE, MASSACHUSETTS

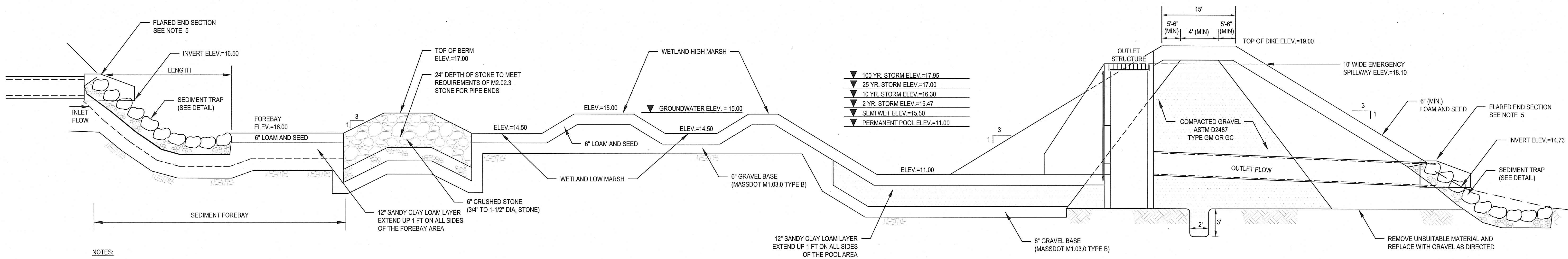
PROFESSIONAL ENGINEER:

OWNER/APPLICANT:
RIVER MARSH, LLC
293R WASHINGTON STREET
NORWELL, MASSACHUSETTS 02061

DRAWN BY: SBS
DESIGNED BY: SBS
CHECKED BY: BCM
APPROVED BY: BCM
DATE: SEPTEMBER 22, 2016
SCALE: 1"=40'
PROJECT NO.: 215-181
DWG. TITLE:

Preliminary
Site Layout
Plan

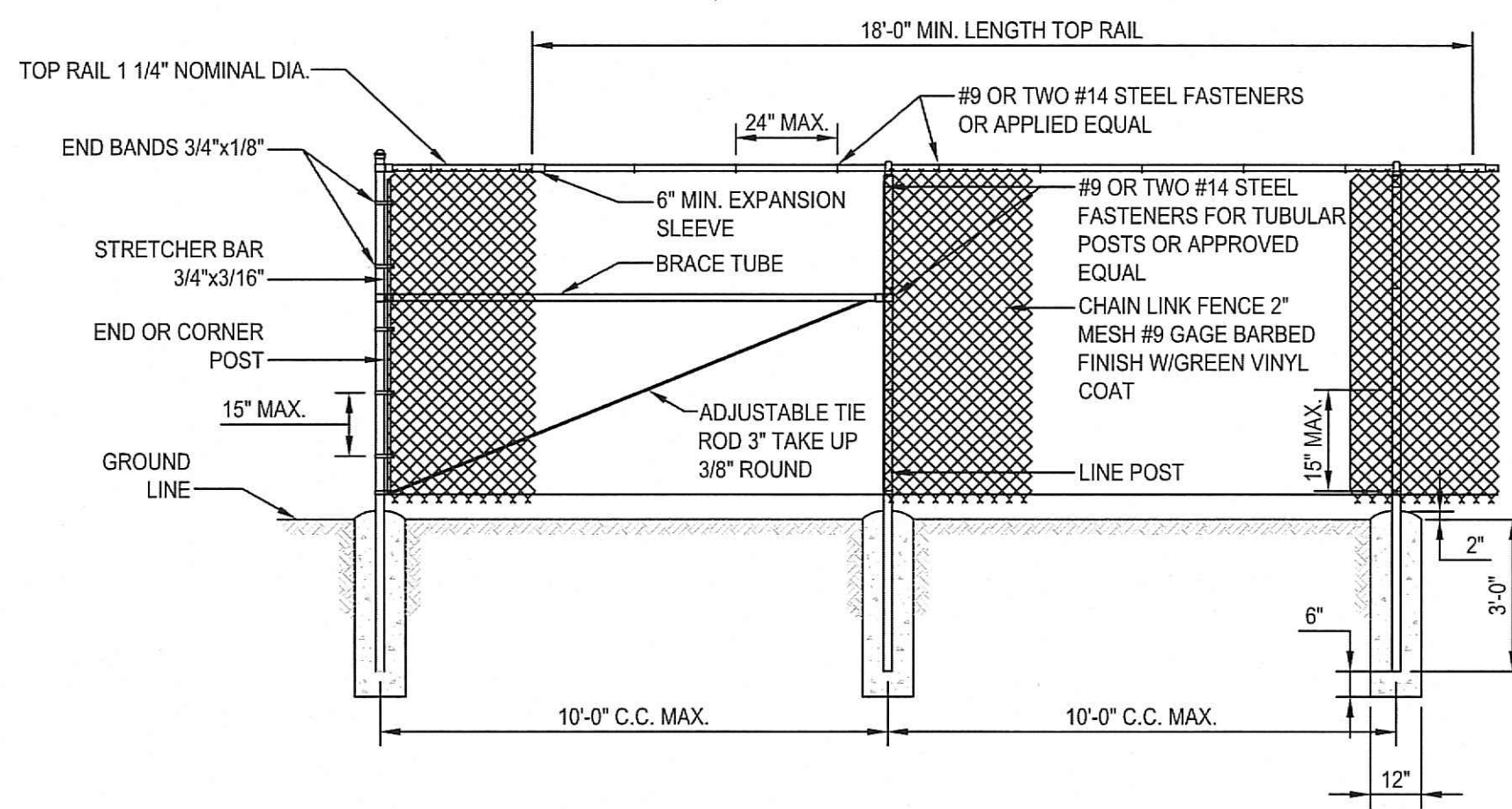
DWG. NO.: C-1



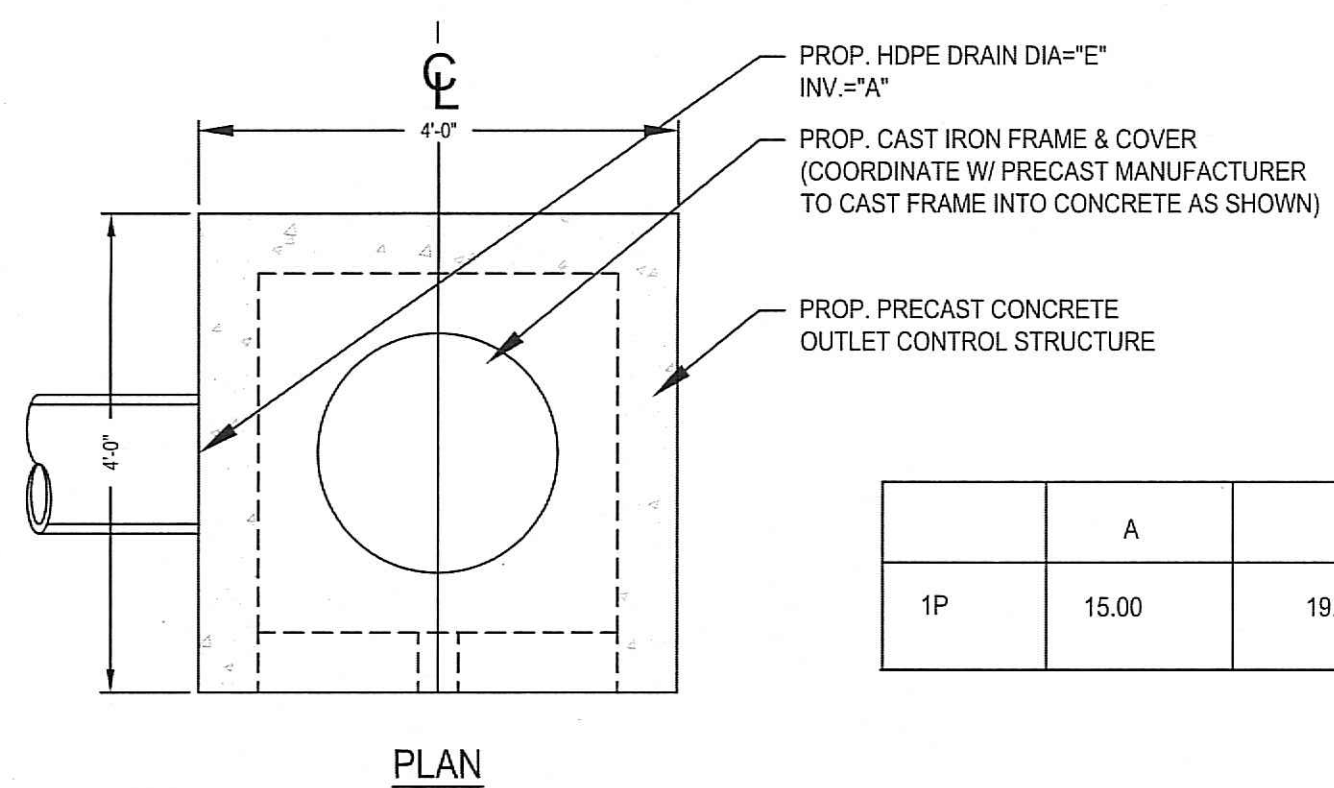
NOTES:

- FILL AND BASE FOR DIKE SHALL INSURE WATER TIGHTNESS AND STABILITY.
- THE CONTRACTOR SHALL NOT DISCHARGE SEDIMENT-LADEN WATER TO BASIN DURING CONSTRUCTION. NO HEAVY EQUIPMENT SHALL BE ALLOWED ON THE BASIN FLOOR AFTER INSTALLATION.
- ALL CONTRIBUTING AREAS TO THE BASIN SHALL BE FULLY STABILIZED PRIOR TO THE INFILTRATION BASIN BEING PLACED INTO SERVICE.
- THE CONTRACTOR SHALL PROVIDE SIEVE ANALYSIS SUBMITTALS TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION OF THE SANDY CLAY LOAM MATERIAL USED ON SITE.
- FLARED END SECTIONS TO BE EQUIPPED TRASH RACKS

POCKET WETLAND BASIN SECTION
SCALE: N.T.S.

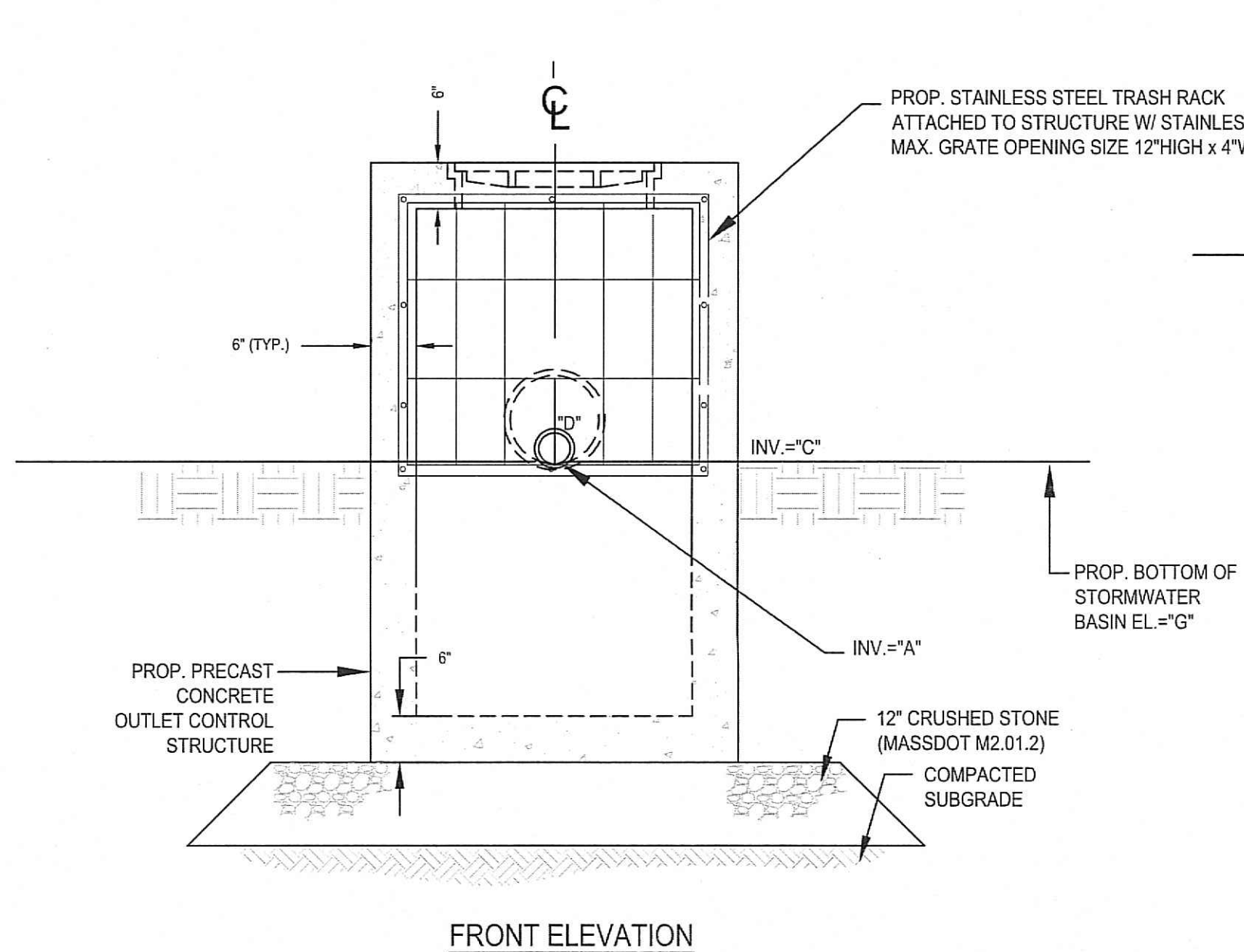


TYPICAL 6-FOOT-HIGH CHAIN LINK FENCE DETAIL
SCALE: N.T.S.

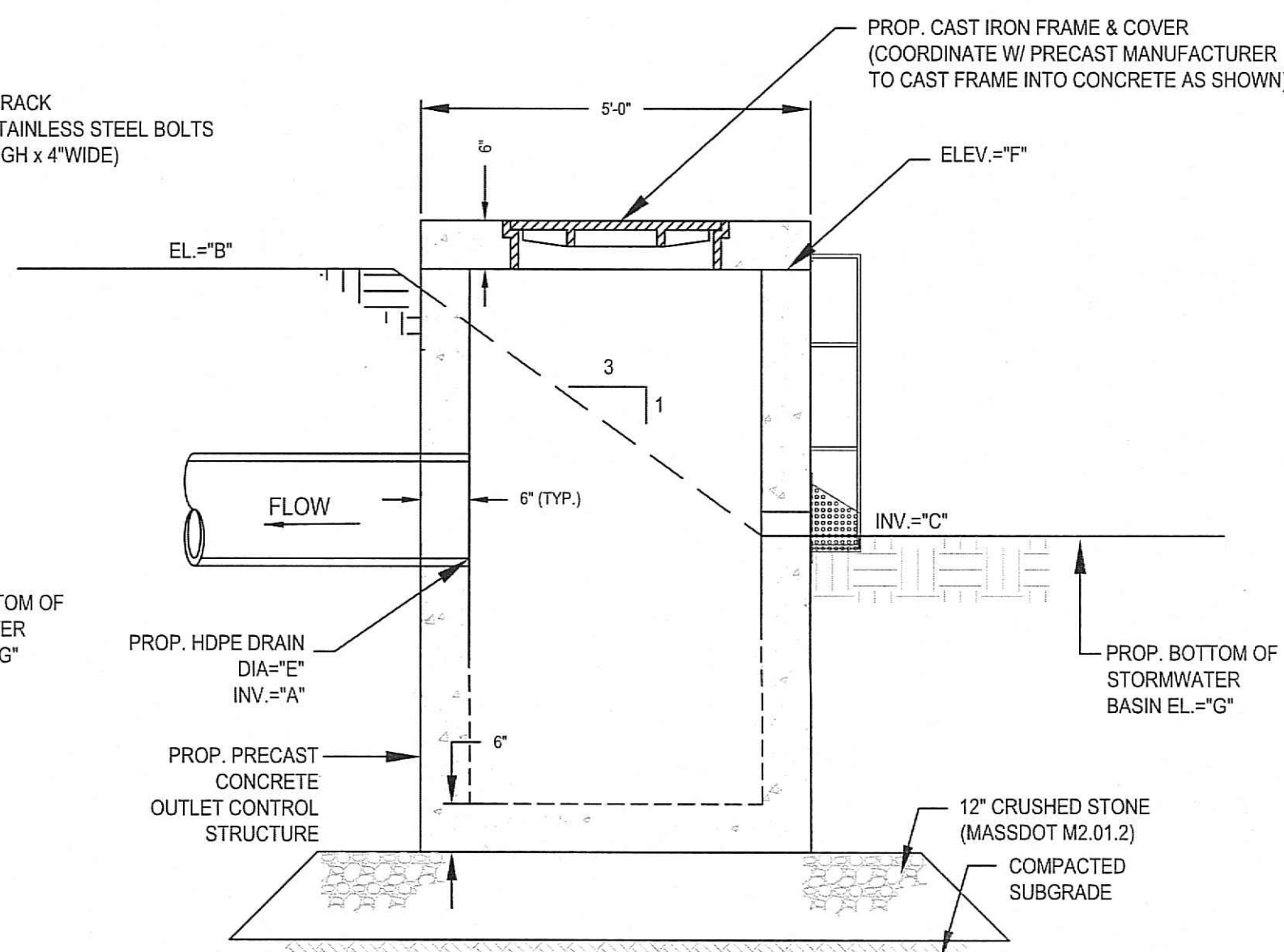


PLAN

	A	B	C	D	E	F	G
1P	15.00	19.00	15.00	4\" DIA. ORIFICE	15\"	18.00	15.00

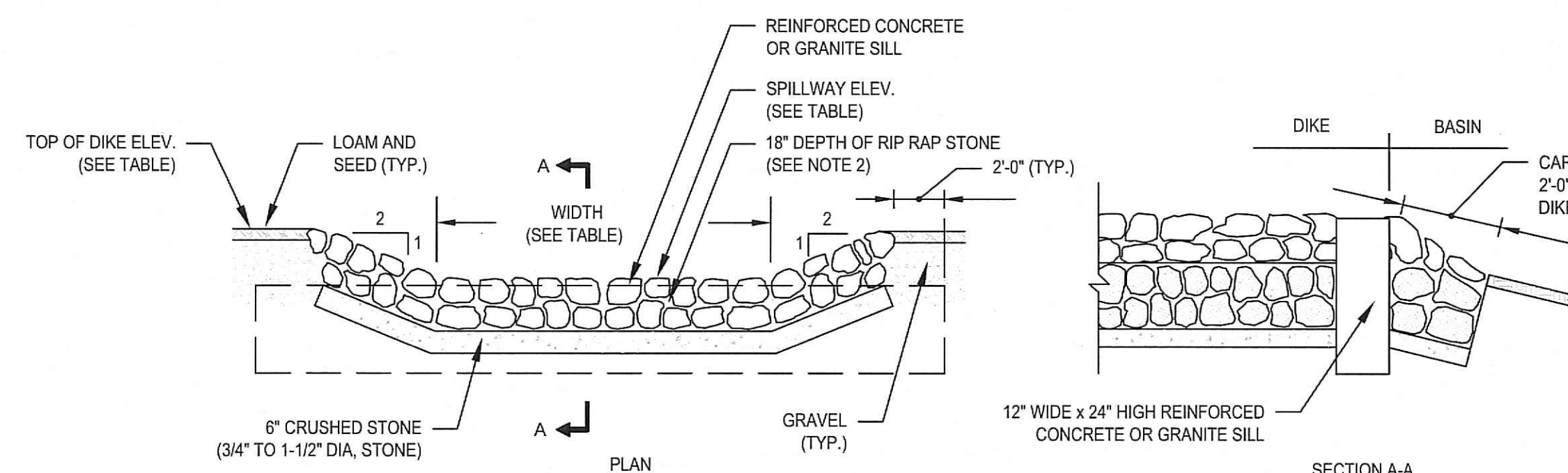


FRONT ELEVATION



SECTION

POCKET WETLAND OUTLET CONTROL STRUCTURE DETAIL
SCALE: N.T.S.

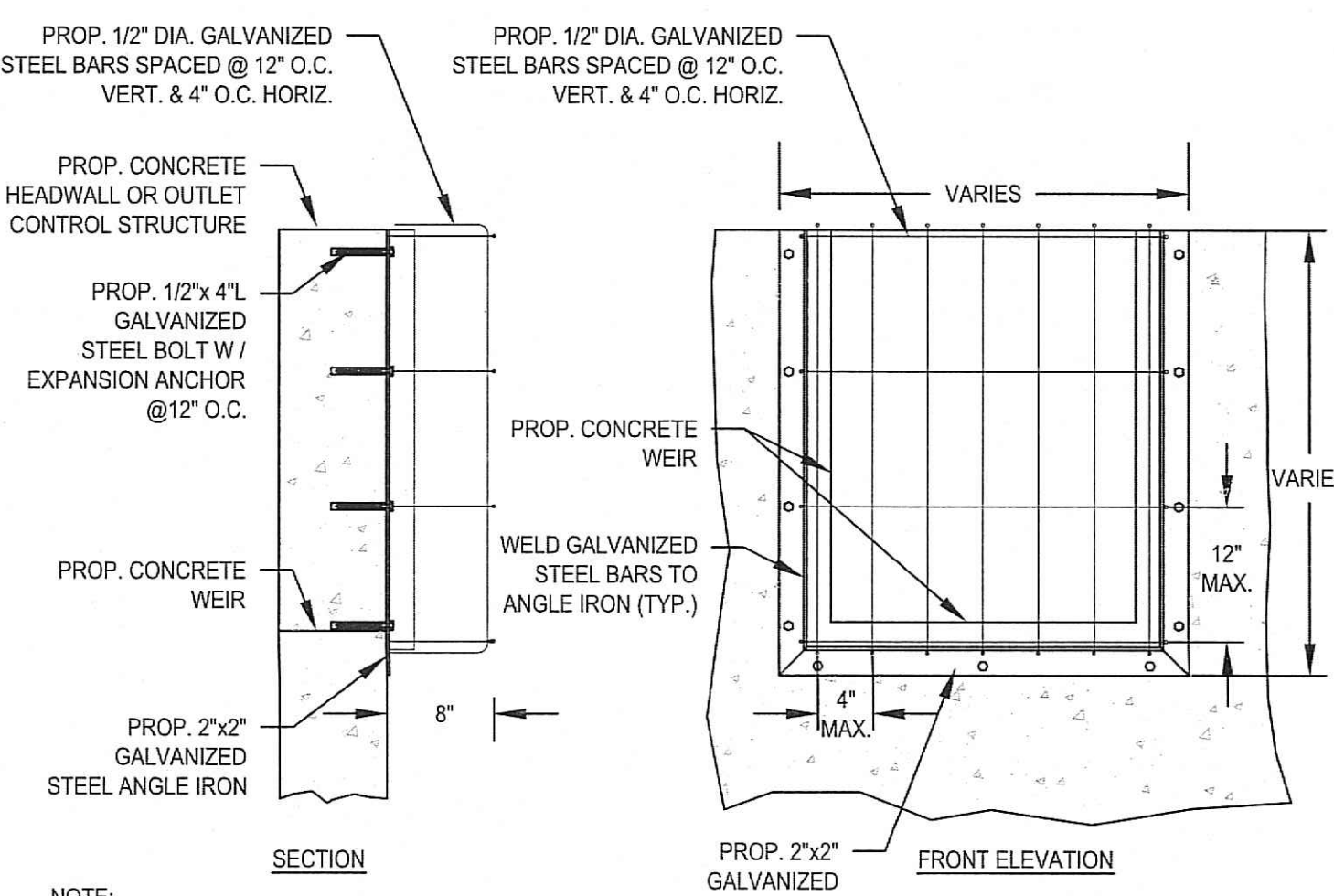


STORMWATER BASIN	TOP OF DIKE ELEV.	SPILLWAY ELEV.	100 YEAR STORM ELEV.	FLOOD ELEV.	WIDTH
1P	19.00	18.10	17.95	18.22	10 FT.

SPILLWAY DETAIL
SCALE: N.T.S.

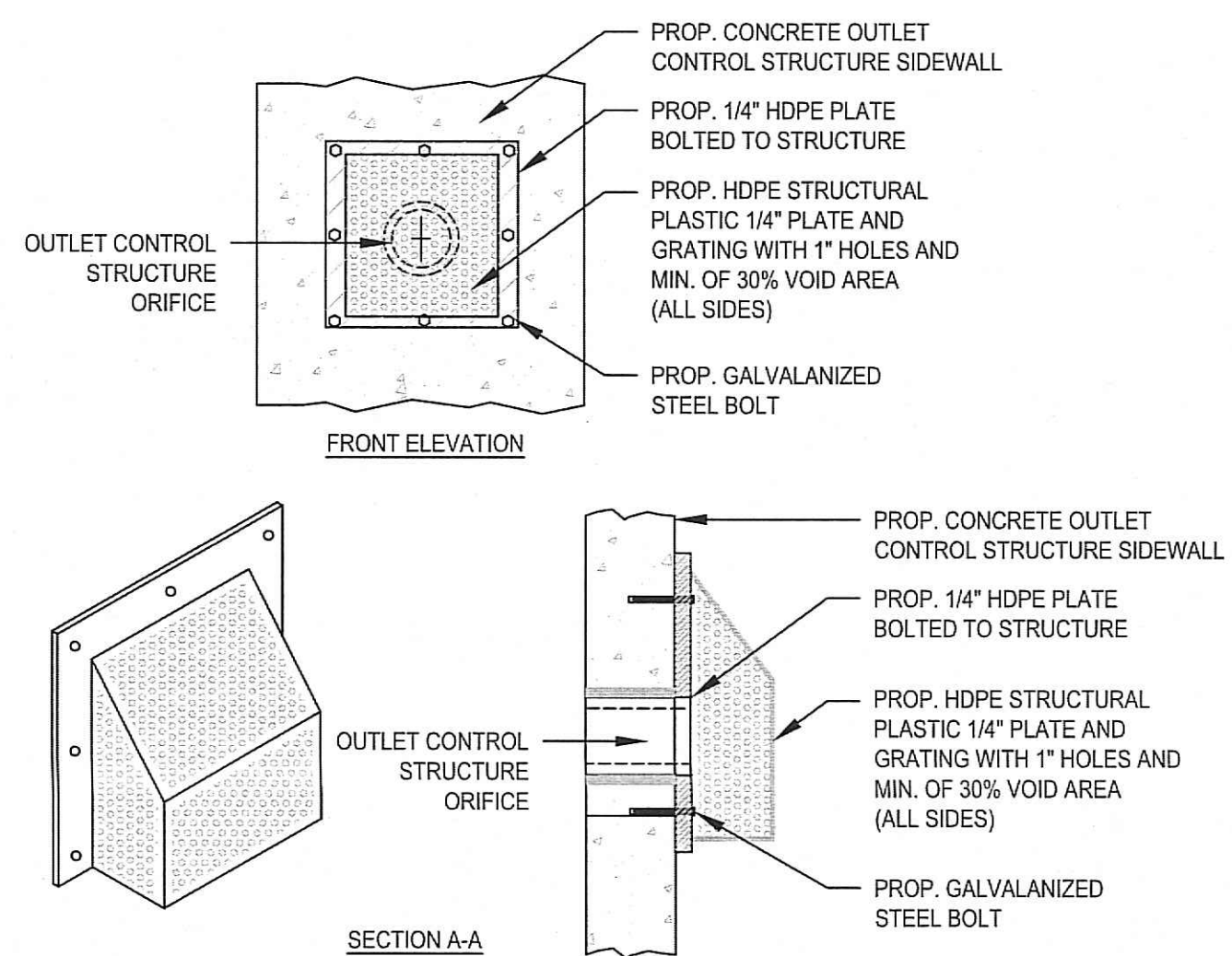
NOTES:

- DIMENSIONS VARY TO SUIT CAPACITY REQUIREMENTS.
- RIP RAP TO BE HAND CHIPPED WITH A SMOOTH SURFACE ALONG THE TOP OF THE DIKE AND A ROUGH SURFACE ALONG THE DOWNSTREAM FACE AND TOE OF THE DIKE. STONE TO MEET MASSDOT REQUIREMENTS OF M2.02.3 STONE FOR PIPE ENDS.
- RIP RAP SHALL EXTEND A MINIMUM OF 2 FT. DOWN THE UPSTREAM FACE OF DIKE AND DOWN DOWNSTREAM FACE OF THE DIKE TO A POINT AT LEAST 2 FT. BEYOND THE TOE OF SLOPE.



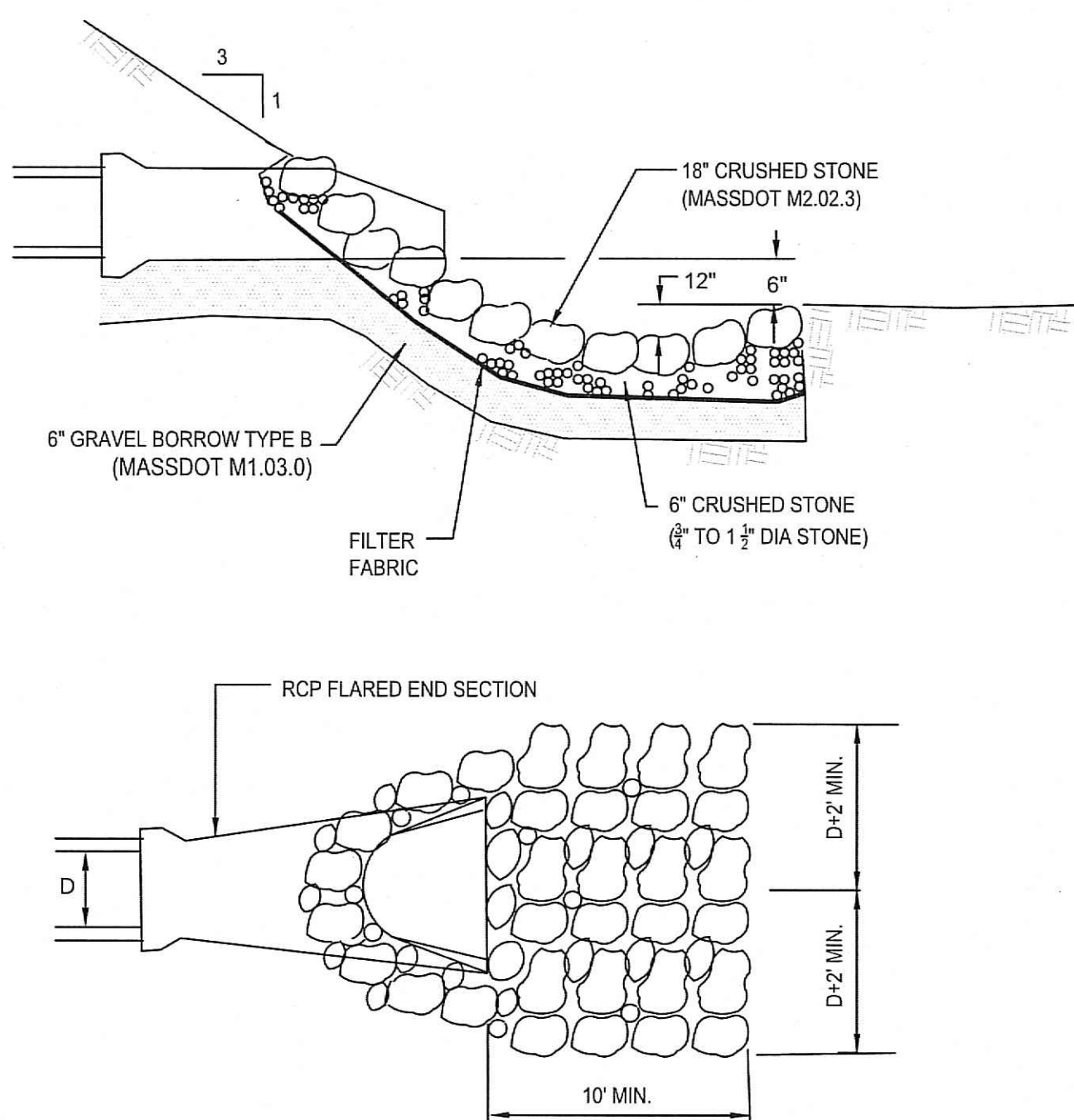
NOTE:
TRASH RACKS SHALL HAVE A MINIMUM OPENING SIZE OF 2 INCHES.

TYPICAL TRASH RACK DETAIL
SCALE: N.T.S.



NOTE:
SHOWN FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL INSTALL TRASH RACK PER MANUFACTURER SPECIFICATIONS. (PLASTIC SOLUTIONS INC.)

HDPE TRASH RACK DETAIL
SCALE: N.T.S.



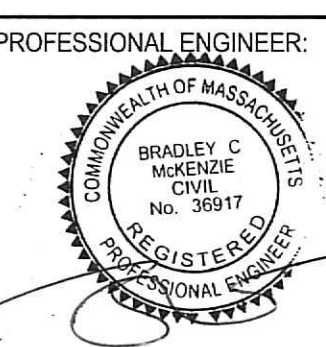
TYPICAL SEDIMENT TRAP DETAIL
SCALE: N.T.S.

BY	APP	DESCRIPTION
SBS	BCM	COMMENTS PER MASSHUSING
SBS	BCM	COMMENTS PER MASSHUSING
ACD	BCM	2BA APPLICATION
SBS	BCM	REVISIONS TO CONSTRUCTION DETAILS
SBS	BCM	REVISIONS TO OPEN BOTTOM BOX CALVERT
SBS	BCM	NEW SHEET
SBS	BCM	NO CHANGES THIS SHEET
SBS	BCM	REVISIONS TO EXTENDED DRY BASIN & OUTLET CONTROL STRUCTURE
SBS	BCM	ADDED CHAIN LINK FENCE DETAIL

PREPARED BY:

MCKENZIE
ENGINEERING GROUP
Assinippi Office Park
150 Longwater Drive, Suite 101
Norwell, MA 02061
P: 781.792.3900
F: 781.792.0333
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RIVER MARSH VILLAGE
COMPREHENSIVE PERMIT PLAN
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WATER STREET
PEMBROKE, MASSACHUSETTS



OWNER/APPLICANT:
RIVER MARSH, LLC
293R WASHINGTON STREET
NORWELL, MASSACHUSETTS 02061

DRAWN BY: SBS
DESIGNED BY: SBS
CHECKED BY: BCM
APPROVED BY: BCM
DATE: SEPTEMBER 22, 2016
SCALE: AS NOTED
PROJECT NO: 215-181
DWG. TITLE:

Construction
Details
Sheet 5 of 6

DWG. NO: **D-5**