General Notes:

1. THE PROPOSED PROJECT LOCATED ON PEGGY DRIVE IN THE TOWN OF CUMBERLAND WILL USE STORMWATER MANAGEMENT SYSTEMS PER RIDEM BEST MANAGEMENT PRACTICES TO TREAT EXISTING AND PROPOSED STORMWATER FOR WATER QUALITY. IN ADDITION THE PROJECT WILL DEVELOP THREE SINGLE FAMILY LOTS (AP 48 LOTS 48, 49 & 50).
2. INDIVIDUAL SINGLE FAMILY LOTS OWTS WILL BE SUBMITTED UNDER A SEPARATE RIDEM SUBMISSION FOR REVIEW AND APPROVAL.
3. THE OWNER OF AP 48 LOTS 48–50 IS: HIDDEN MEADOW REALTY, C/O DEDICATED BUILDERS, LLC., 8 DAVIS STREET, CUMBERLAND, RI 02864

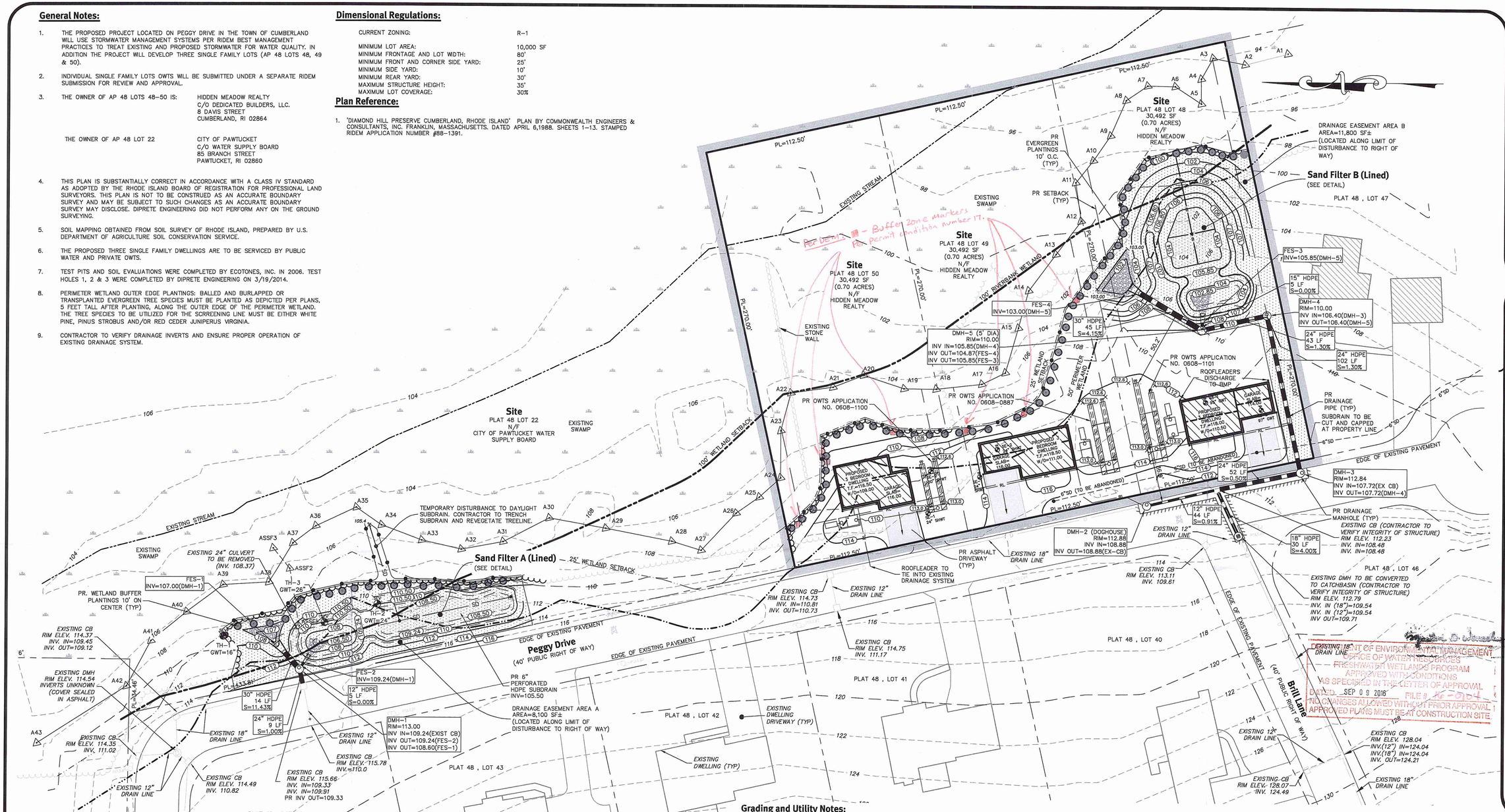
   THE OWNER OF AP 48 LOT 22: CITY OF PAWTUCKET, C/O WATER SUPPLY BOARD, 85 BRANCH STREET, PAWTUCKET, RI 02860
4. THIS PLAN IS SUBSTANTIALLY CORRECT IN ACCORDANCE WITH A CLASS IV STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. THIS PLAN IS NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND MAY BE SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY SURVEY MAY DISCLOSE. DIPRETE ENGINEERING DID NOT PERFORM ANY ON THE GROUND SURVEYING.
5. SOIL MAPPING OBTAINED FROM SOIL SURVEY OF RHODE ISLAND, PREPARED BY U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE.
6. THE PROPOSED THREE SINGLE FAMILY DWELLINGS ARE TO BE SERVICED BY PUBLIC WATER AND PRIVATE OWTS.
7. TEST PITS AND SOIL EVALUATIONS WERE COMPLETED BY ECOTONES, INC. IN 2006. TEST HOLES 1, 2 & 3 WERE COMPLETED BY DIPRETE ENGINEERING ON 3/19/2014.
8. PERIMETER WETLAND OUTER EDGE PLANTINGS: BALLED AND BURLAPPED OR TRANSPLANTED EVERGREEN TREE SPECIES MUST BE PLANTED AS DEPICTED PER PLANS, 5 FEET TALL AFTER PLANTING, ALONG THE OUTER EDGE OF THE PERIMETER WETLAND. THE TREE SPECIES TO BE UTILIZED FOR THE SCRREENING LINE MUST BE EITHER WHITE PINE, PINUS STROBUS AND/OR RED CEDER JUNIPERUS VIRGINIA.
9. CONTRACTOR TO VERIFY DRAINAGE INVERTS AND ENSURE PROPER OPERATION OF EXISTING DRAINAGE SYSTEM.

Dimensional Regulations:

CURRENT ZONING:	R–1
MINIMUM LOT AREA:	10,000 SF
MINIMUM FRONTAGE AND LOT WIDTH:	80'
MINIMUM FRONT AND CORNER SIDE YARD:	25'
MINIMUM SIDE YARD:	10'
MINIMUM REAR YARD:	30'
MAXIMUM STRUCTURE HEIGHT:	35'
MAXIMUM LOT COVERAGE:	30%

Plan Reference:

1. 'DIAMOND HILL PRESERVE CUMBERLAND, RHODE ISLAND' PLAN BY COMMONWEALTH ENGINEERS & CONSULTANTS, INC. FRANKLIN, MASSACHUSETTS. DATED APRIL 6,1988. SHEETS 1–13. STAMPED RIDEM APPLICATION NUMBER #88–1391.



Grading and Utility Notes:

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL SOIL EROSION AND SEDIMENT CONTROL ONSITE. THE CONTRACTOR IS TO NOTIFY THE DESIGN ENGINEER, THE DIRECTOR OF PUBLIC WORKS, THE TOWN ENGINEER, AND RI DEPT. OF ENVIRONMENTAL MANAGEMENT AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
2. CONTRACTOR TO OBTAIN ALL FEDERAL, STATE, AND MUNICIPAL APPROVALS PRIOR TO THE START OF CONSTRUCTION.
3. CONSTRUCTION TO COMMENCE UPON RECEIPT OF ALL NECESSARY APPROVALS.
4. ALL WORK PERFORMED HEREIN SHALL BE GOVERNED BY THE RHODE ISLAND STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND TOWN OF CUMBERLAND STANDARD SPECIFICATIONS AND DETAILS.
5. SEQUENCE OF CONSTRUCTION PROVIDED IN SESC MAY BE MODIFIED AS FIELD CONDITIONS WARRANT WITH PRIOR APPROVAL FROM THE OWNER OR OWNER'S REPRESENTATIVE.
6. THE CONTRACTOR SHALL COORDINATE WITH ALL OF THE APPROPRIATE UTILITY COMPANIES FOR AGREEMENTS TO SERVICE THE PROPOSED HOMES. THIS SHALL BE DONE PRIOR TO CONSTRUCTION. NO REPRESENTATIONS ARE MADE BY DIPRETE ENGINEERING THAT UTILITY SERVICE IS AVAILABLE.
7. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING FINISH GRADING AND DRAINAGE AROUND THE HOMES TO ENSURE SURFACE WATER AND/OR GROUND WATER ARE DIRECTED AWAY FROM THE STRUCTURE.
8. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL STAKE OUT LIMIT OF DISTURBANCE AND VERIFY EXISTING PAVEMENT ELEVATIONS AT INTERFACE WITH PROPOSED PAVEMENTS, AND EXISTING GROUND ELEVATIONS ADJACENT TO DRAINAGE OUTLETS TO ASSURE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED FACILITIES.
9. ALL PROPOSED UTILITIES SERVING THE SITE AND HOMES TO BE COORDINATED WITH APPLICANT, ARCHITECT, AND ENGINEER PRIOR TO INSTALLATION.
10. ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION INCLUDING ALL REVISIONS.
11. ALL CUT AND FILL AREAS ARE TO BE DONE UNDER THE DIRECTION OF A GEOTECHNICAL ENGINEER WITH TESTING AND CERTIFICATION TO BE PROVIDED TO THE APPLICANT AT THE COMPLETION OF THE PROJECT. DIPRETE ENGINEERING ASSOCIATES, INC. IS NOT PROVIDING THE FILL SPECIFICATION, GEOTECHNICAL ENGINEERING, STRUCTURAL ENGINEERING SERVICES, OR SUPERVISION AS PART OF THESE DRAWINGS.
12. ALL COMPONENTS OF THE DRAINAGE SYSTEM MUST BE ASBUILT PRIOR TO COVERING. ENGINEER TO BE NOTIFIED PRIOR TO COVERING TO SURVEY ASBUILT LOCATIONS. ENGINEER WILL NOT ACCEPT FIELD MEASUREMENTS FROM THE SITE CONTRACTOR.
13. ALL FLARED ENDS SHALL BE INSTALLED AT GRADE. CONTRACTOR TO VERIFY EXISTING GRADE AT OUTFALLS PRIOR TO CONSTRUCTION AND NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES WITH DESIGN PLANS.SOME VERTICAL AND HORIZONTAL ADJUSTMENTS MAY BE NECESSARY.
14. NO STOCKPILING OF MATERIAL TO BE LOCATED IN THE RIGHT OF WAY AND NO OPEN TRENCHES ARE TO BE LEFT OVERNIGHT.
15. ALL LOAM IN DISTURBED AREAS TO BE STOCKPILED FOR FUTURE USE.
16. CLEARING AND GRUBBING NOT TO EXTEND BEYOND LIMIT OF WORK.
17. ALL EXCESS SOIL, TREES, ROCKS, BOULDERS, AND OTHER REFUSE, SHALL BE DISCARDED OFF SITE IN AN ACCEPTABLE MANNER AT AN APPROVED LOCATION. STUMPS SHALL BE GROUND ONSITE OR REMOVED.
18. DRAINAGOE MANHOLES UNLESS NOTED ARE TO BE 4' DIAMETER (RIDOT STD 4.2.0) WITH RIDOT STD 6.2.0 MANHOLE COVER OR RIDOT 6.3.2 OR 6.3.4 CATCHBASIN/HIGH CAPACITY GRATES
19. IN ORDER TO PREVENT GROUNDWATER FROM BEING CONVEYED ALONG UTILITY TRENCHES, AN IMPERMEABLE BARRIER SHALL BE INCORPORATED INTO ANY UTILITY TRENCH WHERE THE UTILITY TRENCH INTERCEPT GROUNDWATER. SPACING OF THE IMPERMEABLE BARRIER IS TO BE AT THE DIRECTION OF THE DESIGN ENGINEER BASED ON SITE CONDITIONS.
20. ALL EXISTING UTILITIES SHOWN ARE FROM VISIBLE INFORMATION, DRAWINGS FROM OTHERS, OR INFORMATION PROVIDED TO DIPRETE ENGINEERING AND ARE SUBJECT TO CHANGE. THE LOCATIONS OF UNDERGROUND PIPES AND CONDUITS HAVE BEEN DETERMINED FROM AFOREMENTIONED PLANS OF RECORD AND ARE APPROXIMATE ONLY. PRIOR TO CONSTRUCTION, THE PROPER UTILITY ENGINEERING DEPARTMENTS SHALL BE CONTACTED AND THE ACTUAL LOCATION OF SUBSURFACE STRUCTURES SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR. CALL THE DIG SAFE CENTER TOLL FREE AT 1–888–344–7233 IN RI PRIOR TO EXCAVATION. NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES PRIOR TO EXCAVATION. ANY DAMAGE TO UTILITIES WHICH ARE SHOWN ON THE PLANS OR DETAILED BY DIG SAFE SHALL BE THE SITE CONTRACTORS RESPONSIBILITY.
21. NO STUMP DUMPS ARE PROPOSED ONSITE.
22. PROPOSED DRAINAGE PIPES SHALL BE HDPE WATER TIGHT.

Scale: 1"=30'
0 15' 30' 60'

RECEIVED
JUL 20 2016
Office of Water Resources
Environmental Management

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED SEP 09 2016 FILE # 16-0104
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

DiPrete Engineering
Engineers • Planners • Surveyors
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com

LEONARD R. BRADLEY, JR.
No. 6610
7/30/16
REGISTERED PROFESSIONAL ENGINEER
CIVIL

No.	Date	Description	By
3	7/20/2016	RIDEM Response to Comments	B.F.C.
2	7/7/2016	RIDEM Submission	D.K.K.
1	05-23-2016	RIDEM Resubmission	D.K.K.
0	04-04-2014	RIDEM Submission	D.K.K.

Drawn By: M.S.C. Design By: M.S.C.

Site Drainage Plan

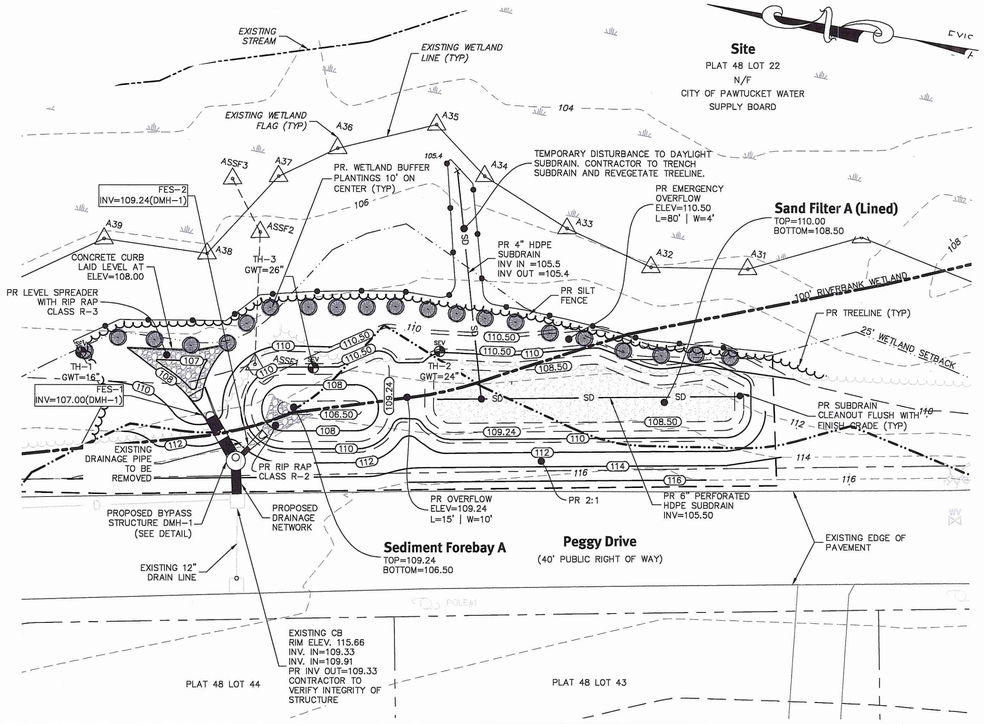
Peggy Dr Drainage Improvements

Peggy Drive
Cumberland, Rhode Island 02864

Applicant
James McKee c/o McKee Brothers Oil
8 Davis Street, Cumberland, RI 02864
tel (401) 723-1100

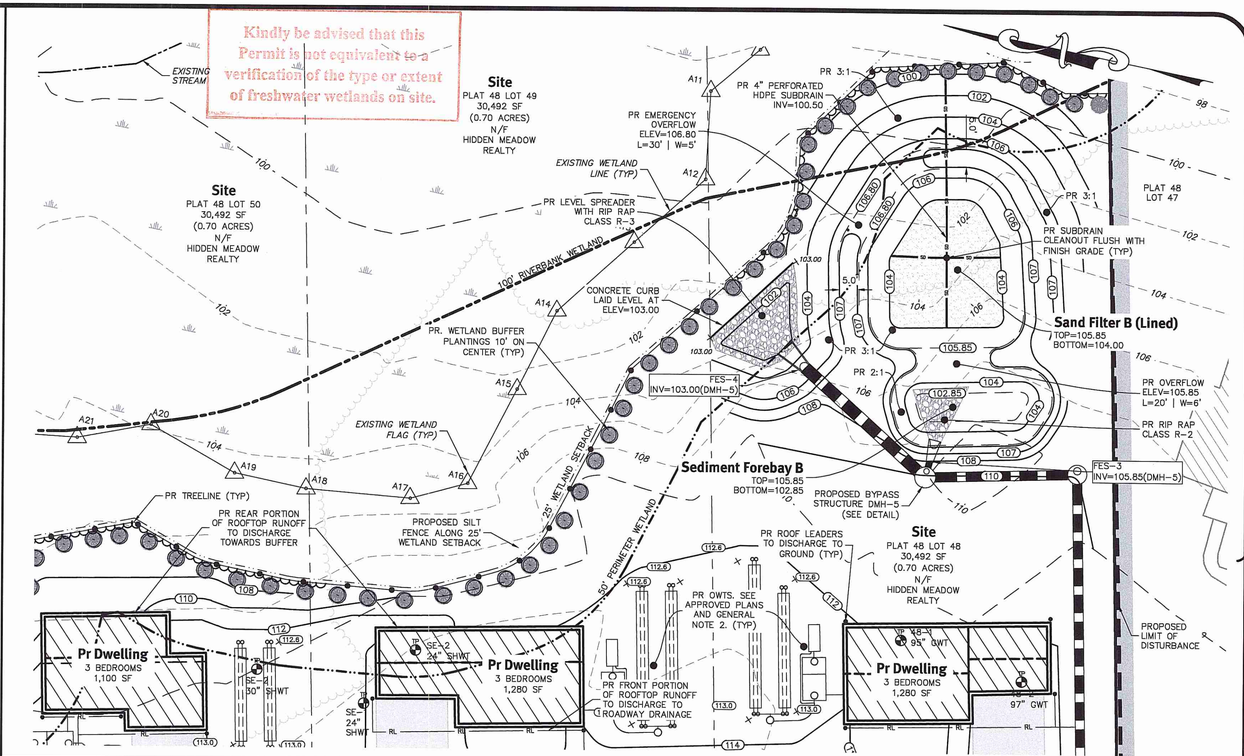
DE Job No: 1676-003 Copyright 2014 by DiPrete Engineering Associates, Inc.

SHEET 1 OF 3



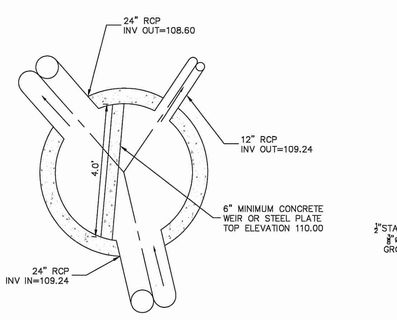
Sand Filter A

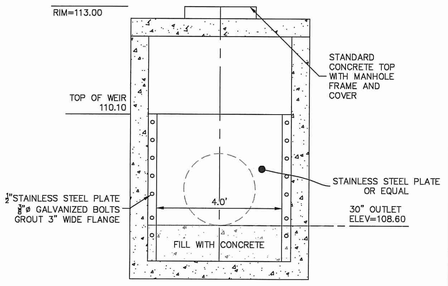
Scale: 1"=20'



Sand Filter B

Scale: 1"=20'



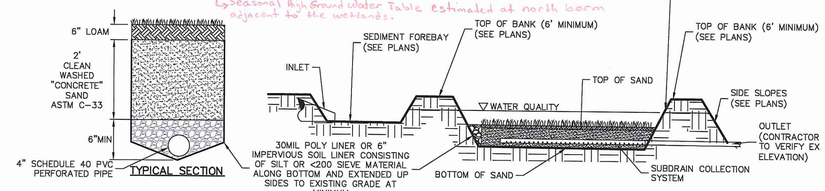


DMH-1 Bypass (4'Ø Manhole)

SCALE 1"=2'

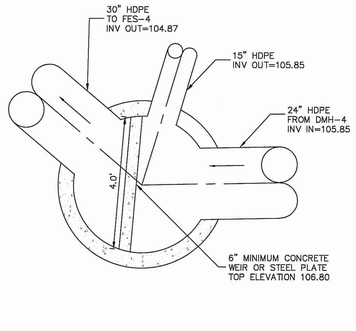
DESCRIPTION	SF-A	SF-B
AVAILABLE STORAGE ELEVATION	110.50	107.00
100 YEAR STORM ELEVATION	110.56	106.99
10 YEAR STORM ELEVATION	110.38	106.94
1 YEAR STORM ELEVATION	109.86	106.82
1.2" WATER QUALITY ELEVATION	108.68	105.25
TOP OF SOIL/GRASS	108.50	104.00
SAND & SOIL DEPTH	2.50	2.50
SOIL EVALUATION	TH-2	SE-2
ESTIMATED SHGWT ELEVATION	~~111.00~~ 101.0~	101.0~ 104.00

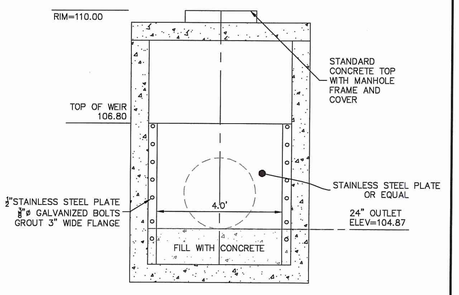
Note Per DEM
by Seasonal High Ground Water Table estimated at north learn adjacent to the wetlands.



Sand Filter

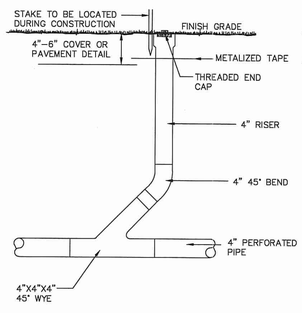
NOT TO SCALE





DMH-5 Bypass (4'Ø Manhole)

SCALE 1"=2'



4" Subdrain Cleanout

NOT TO SCALE

NOTES:

1. ENCASE CLEANOUT IN CONCRETE WHEN INVERT IS 12' OR MORE BELOW FINISH GRADE.
2. AT TERMINAL CLEANOUT REPLACE WYE WITH 45° BEND.
3. SUBDRAIN AREA TO BE STAKED, MARKED, AND REMAIN UNDISTURBED PRIOR TO CONSTRUCTION. THERE IS TO BE NO CONSTRUCTION TRAFFIC ON SUBDRAIN AREA PRIOR TO CONSTRUCTION.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
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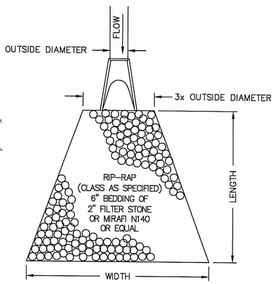
FLARED END	LENGTH	WIDTH	CLASS
FE-2	14'	9'	R-2
FE-3	16'	11'	R-2



Rip-Rap Apron/ FE Detail

NOT TO SCALE

DiPrete Engineering
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Engineers • Planners • Surveyors

LEONARD R. BRADLEY, JR.
No. 6610
REGISTERED PROFESSIONAL ENGINEER
CIVIL
7/20/16

No.	Date	Description	By:
3.	7/20/2016	RIDEM Response to Comments	B.F.I.
2.	7/13/2016	RIDEM Submission	D.K.N.
1.	05-23-2016	RIDEM Submission	M.S.C.
0.	04-22-2016	RIDEM Submission	M.S.C.

Drawn By: M.S.C. Design By: M.S.C.

JUL 20 2016
Office of Water Resources

Detail Sheet-1

Peggy Dr Drainage Improvements

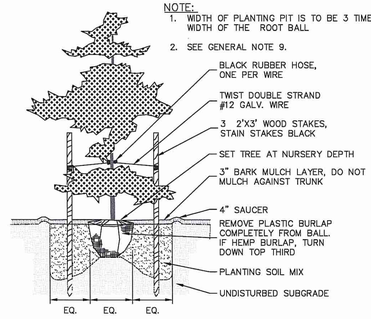
Peggy Drive
Cumberland, Rhode Island 02864

Applicant

James McKee c/o McKee Brothers Oil

8 Davis Street, Cumberland, RI 02864
tel (401) 723-1100

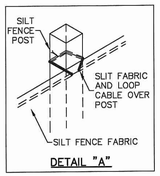
NOTE:
1. WIDTH OF PLANTING PIT IS TO BE 3 TIMES THE WIDTH OF THE ROOT BALL
2. SEE GENERAL NOTE 9.



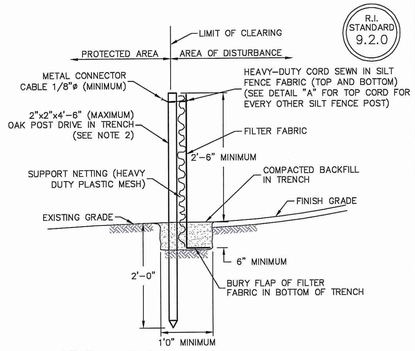
Evergreen Tree Planting Detail or Approved Equal

NOT TO SCALE

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE R.I. STANDARD SPECIFICATIONS.
2. 2"x2"x4'-6" (MAXIMUM) OAK POSTS FOR SILT FENCE SHALL BE LOCATED 8'-0" (MAXIMUM) O.C. IN WETLAND AREAS AND 4'-0" (MAXIMUM) O.C. IN WETLAND RAVINE. GULLY OR DROP-OFF AREAS AS SHOWN ON PLANS.
3. 1"x1"x4'-6"(MINIMUM) POSTS PERMITTED FOR PRE-FABRICATED SILT FENCE.
4. SILT FENCE SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH EXCAVATION TAKES PLACE.



R.I. STANDARD 9.2.0



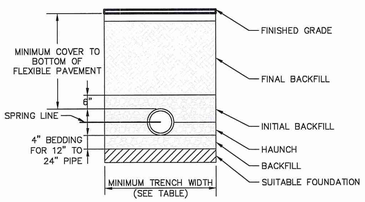
Silt Fence Detail

NOT TO SCALE

INSTALLATION NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS, LATEST ADDITION.
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100MM) FOR 4"–24" (100MM–600MM); 6" (150MM) FOR 30"–60" (750MM–900MM).
5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
6. MINIMUM COVER: MINIMUM COVER, H, IN NON–TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" ø PIPE AND 24" OF COVER FOR 54"–60" ø PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

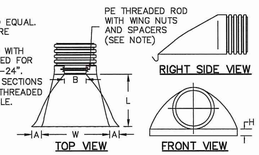
PIPE ø	MINIMUM TRENCH WIDTH
6"	23"
8"	26"
12"	30"
15"	34"
24"	39"



HDPE Trench Detail

NOT TO SCALE

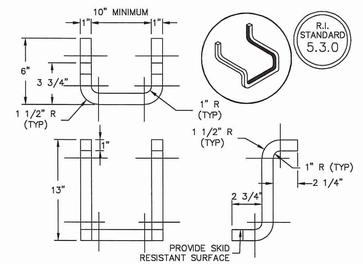
NOTE:
1. ADS OR APPROVED EQUAL.
2. ALL DIMENSIONS ARE NOMINAL.
3. PE THREADED ROD WITH WING NUTS PROVIDED FOR END SECTIONS 12"–24".
4. 30" AND 36" END SECTIONS REQUIRE TWO (2) THREADED RODS FOR ASSEMBLE.



PART #	PIPE SIZE	A	B (MAX)	H	L	W
1210NP	12 IN (300 MM)	6.50 IN (165 MM)	10 IN (254 MM)	6.50 IN (165 MM)	25 IN (635 MM)	29 IN (737 MM)
1510NP	15 IN (375 MM)	6.50 IN (165 MM)	10 IN (254 MM)	6.50 IN (165 MM)	25 IN (635 MM)	29 IN (737 MM)
1810 NP	18 IN (450 MM)	7.50 IN (191 MM)	15 IN (381 MM)	6.50 IN (165 MM)	32 IN (813 MM)	35 IN (889 MM)
2410NP	24 IN (600 MM)	7.50 IN (191 MM)	18 IN (457 MM)	6.50 IN (165 MM)	36 IN (914 MM)	45 IN (1143 MM)
3015NP	30 IN (750 MM)	7.50 IN (191 MM)	12 IN (305 MM)	8.60 IN (218 MM)	58 IN (1473 MM)	63 IN (1600MM)
3615NP	36 IN (900 MM)	7.50 IN (191 MM)	25 IN (635 MM)	8.60 IN (218 MM)	58 IN (1473 MM)	63 IN (1600 MM)

HDPE Flared End Section

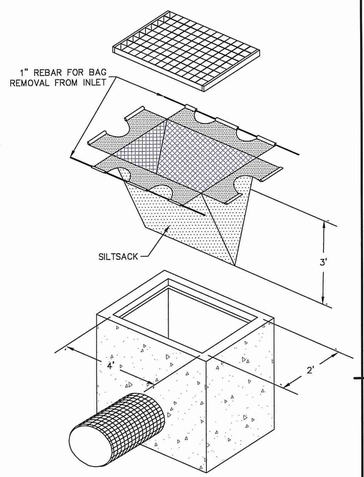
NOT TO SCALE



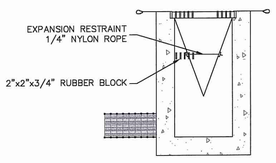
NOTES:
1. STEPS SHALL CONFORM TO SECTION M.04 OF THE R.I. STANDARD SPECIFICATIONS.
2. CROSS SECTION AREA MAY BE REDUCED UPON SUBMISSION OF CERTIFIED LOAD TESTS. STEPS MUST SUPPORT 300 LBS.
3. STOCK SHOWN IS 1" SQUARE WHICH MAY BE REPLACED BY 1" ø.

Catch Basin And Manhole Step

NOT TO SCALE

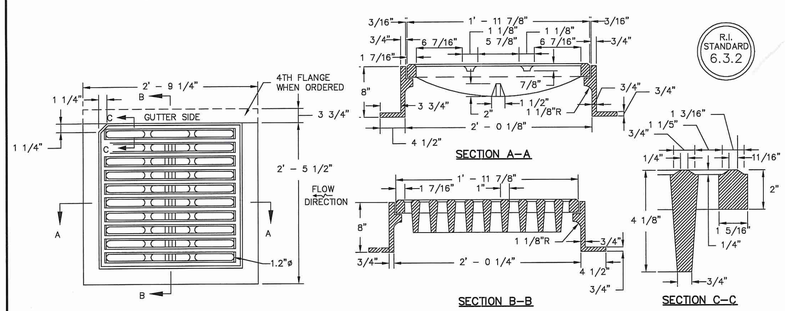


NOTE:
REGULAR FLOW=40 GAL./MIN/SF
HIGH FLOW=200 GAL./MIN/SF



Silt Sack Detail

NOT TO SCALE

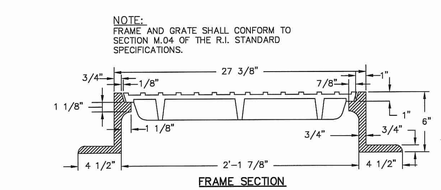


R.I. STANDARD 6.3.2

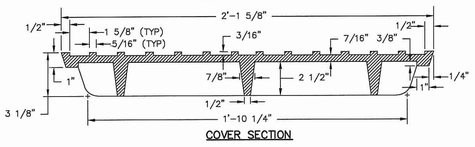
Square Frame And Grate (Bicycle Safe)

NOT TO SCALE

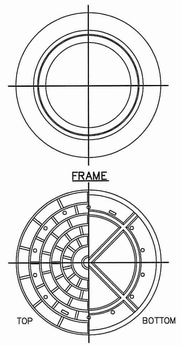
NOTE:
FRAME AND GRATE SHALL CONFORM TO SECTION M.04 OF THE R.I. STANDARD SPECIFICATIONS.



FRAME SECTION



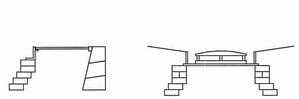
COVER SECTION



R.I. STANDARD 6.2.0

Light-Duty Round Frame And Cover

NOT TO SCALE



STANDARD 4.4.0

TYPE CATCH BASIN AS REQUIRED

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED SEP 0 9 2015 FILE # 16-0104
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

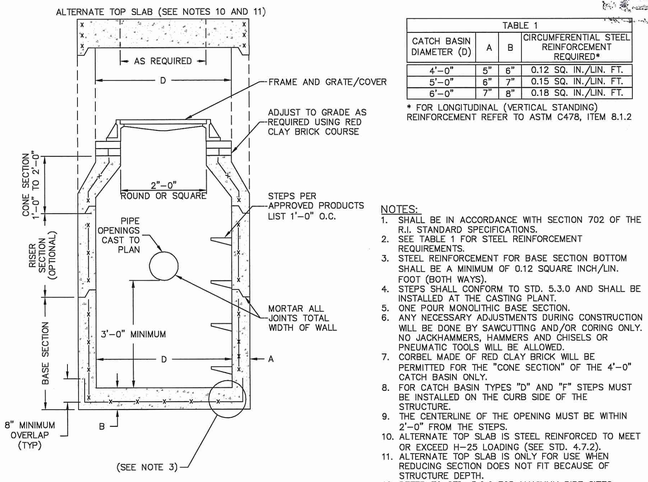


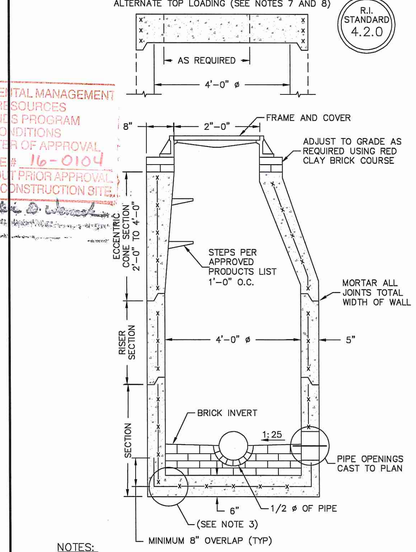
TABLE 1			
CATCH BASIN DIAMETER (D)	A	B	CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED*
4'–0"	5"	6"	0.12 SQ. IN./LIN. FT.
5'–0"	6"	7"	0.15 SQ. IN./LIN. FT.
6'–0"	7"	8"	0.18 SQ. IN./LIN. FT.

* FOR LONGITUDINAL (VERTICAL STANDING) REINFORCEMENT REFER TO ASTM C478, ITEM 8.1.2

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. SEE TABLE 1 FOR STEEL REINFORCEMENT REQUIREMENTS.
3. STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQUARE INCH/LIN. FOOT (BOTH WAYS).
4. STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
5. ONE POUR MONOLITHIC BASE SECTION.
6. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAWCUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
7. CORBEL MADE OF RED CLAY BRICK WILL BE PERMITTED FOR THE "CONE SECTION" OF THE 4'–0" CATCH BASIN ONLY.
8. FOR CATCH BASIN TYPES "D" AND "F" STEPS MUST BE INSTALLED ON THE CURB SIDE OF THE STRUCTURE.
9. THE CENTERLINE OF THE OPENING MUST BE WITHIN 2'–0" FROM THE STEPS.
10. ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H–25 LOADING (SEE STD. 4.7.2).
11. ALTERNATE TOP SLAB IS ONLY FOR USE WHEN REDUCING SECTION DOES NOT FIT BECAUSE OF STRUCTURE DEPTH.
12. REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.

Precast Round Catch Basin

NOT TO SCALE



NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED = 0.12 SQUARE INCH/LIN. FOOT MINIMUM.
3. STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQUARE INCH/LIN. FOOT (BOTH WAYS).
4. ONE POUR MONOLITHIC BASE SECTION.
5. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAWCUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
6. STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
7. ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H–25 LOADING (SEE STD. 4.7.2).
8. ALTERNATE TOP SLAB IS ONLY FOR USE WHEN REDUCING SECTION DOES NOT FIT BECAUSE OF STRUCTURE DEPTH.
9. REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.

Precast 4'-0" Round Manhole

NOT TO SCALE

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No. 6610
REGISTERED PROFESSIONAL ENGINEER
CIVIL
7/30/2015

Environmental Management
SEP 29 2015
Office of Water Resources

No.	Date	Description	By:
3.	7/30/2015	RIDEM Response to Comments	R.B.L.
2.	07-13-2015	RIDEM Submission	D.K.R.
1.	6-24-2014	RIDEM Submission	M.S.C.
0.	06-23-2014	RIDEM Submission	-

Drawn By: M.S.C. Design By: M.S.C.

Detail Sheet
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Cumberland, Rhode Island 02864

Applicant
James McKee c/o McKee Brothers Oil
8 Davis Street, Cumberland, RI 02864
tel (401) 723-1100

SHEET 3 OF 3