

Smithfield Elementary School Improvements McCabe School

Kindly be advised that this Permit is not equivalent to a notification of the type or extent of freshwater wetlands on site.

AP 11 LOTS 5, 6, 7 / AP 12 LOT 1A

100 Pleasant View Ave
Smithfield, Rhode Island

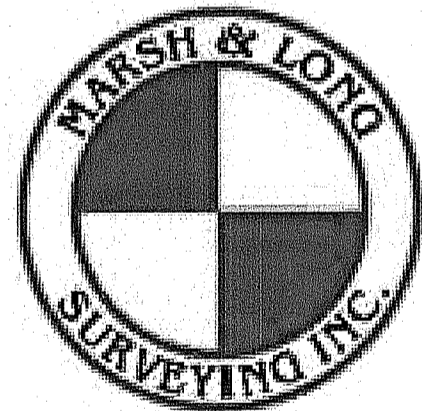
OWNER/APPLICANT:
Smithfield Elementary Schools
49 Farnum Pike
Smithfield, RI 02917

CIVIL ENGINEER:



PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
LINCOLN, RI 02865
401-334-4100

SURVEYOR:

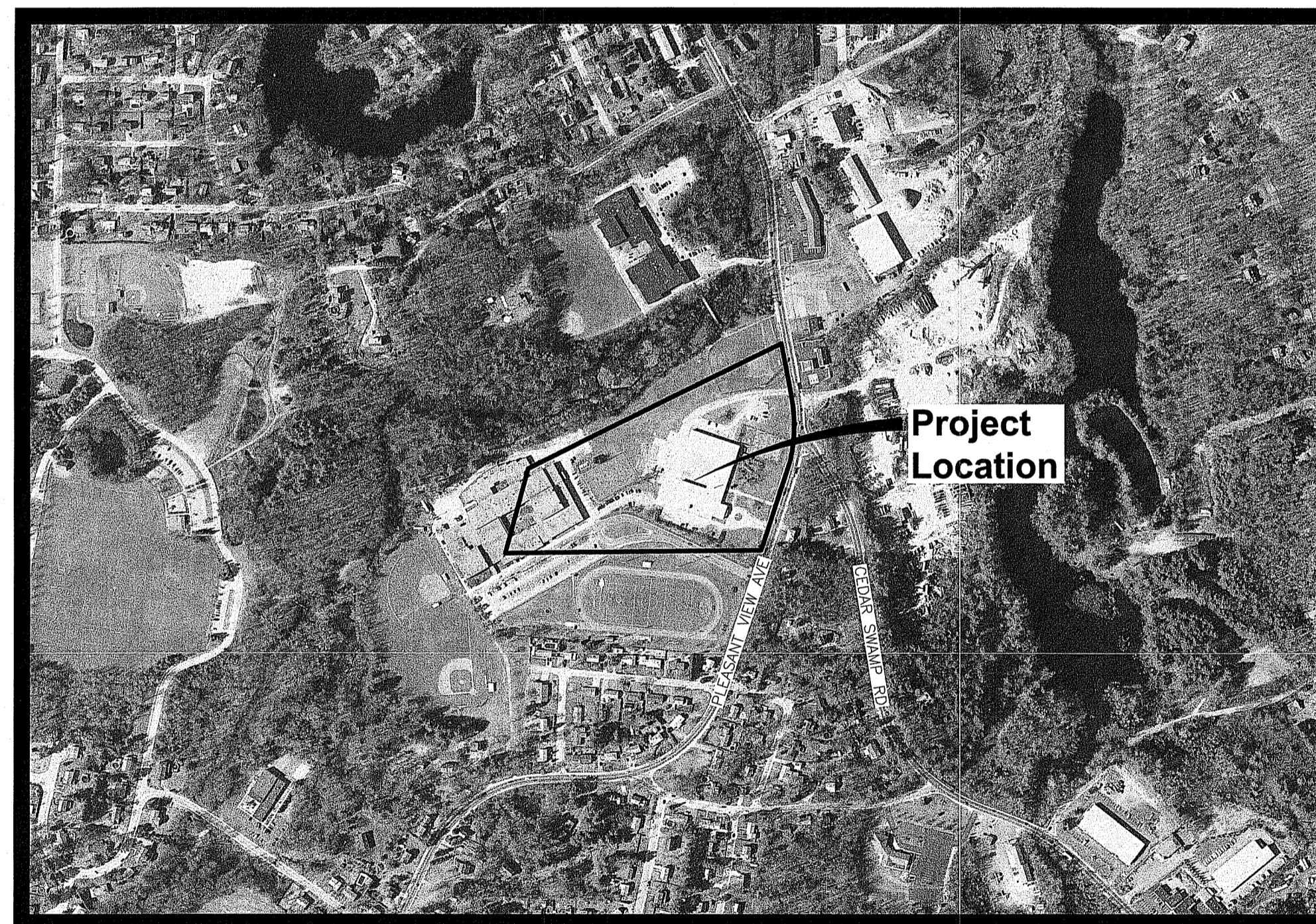


450 GEO. WASH. HWY. SMITHFIELD, RI
(401) 231-0900

LANDSCAPE ARCHITECT:



Diane C. Spaul & Associates, ASLA
Landscape Architecture
422 Farnum Pike
Smithfield, Rhode Island 02917
www.dianespaulandassociates.com
401-231-0278
email: diane@dcspa.com



Scale : N.T.S.

INDEX OF DRAWINGS

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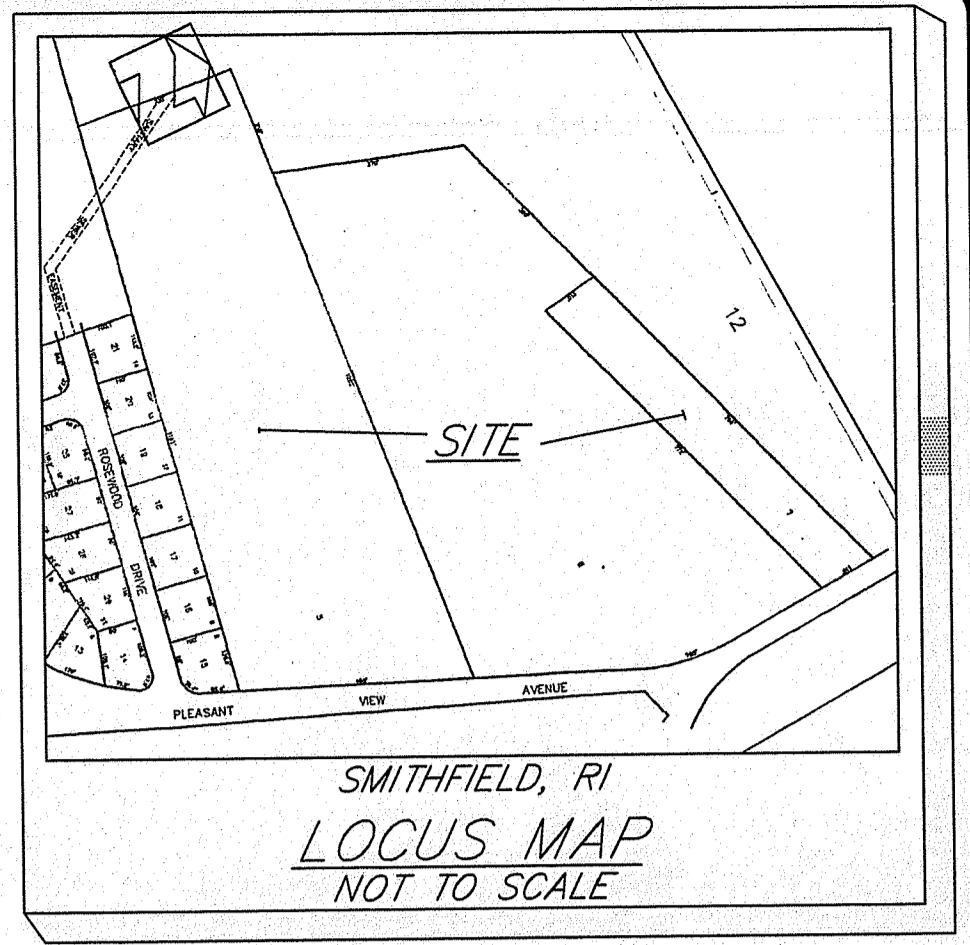
Environmental Management
DEC 19 2019
Office of Water Resources

RIDEM PERMIT SUBMISSION
December 13, 2019

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 21 2020 FILE # 19-0347
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

REFERENCE PLANS:
 1. "SMITHFIELD, RI PLAN SHOWING LAND TO BE ACQUIRED BY THE TOWN OF SMITHFIELD
 DRAWN BY EARL R. MARSH SCALE - 1 - INCH = 100 FT. NOVEMBER - 1963
 2. RHODE ISLAND HIGHWAY FLAT 2192 & 251

ZONING: R-20
 MIN. AREA = 20,000 S.F.
 MIN. FRONTAGE & LOT WIDTH = 125 FT.
 MIN. FRONT YARD = 30 FT.
 MIN. SIDE YARD = 15 FT.
 MIN. REAR YARD = 30 FT.
 MAX. LOT COVERAGE = 25%
 MAX. HEIGHT 39 FT.
 (SEE REGULATIONS FOR ADDITIONAL INF..)



- NOTES:
- PORTIONS OF THIS PARCEL LIE WITHIN ZONE 'X', ZONE 'AE', REGULATORY FLOODWAY AND 0.2% ANNUAL CHANCE FLOOD HAZARD AREA AS SHOWN ON THE FLOOD INSURANCE RATE MAP FOR SMITHFIELD, PROVIDENCE COUNTY, RHODE ISLAND, MAP NUMBER 44007CO160H
 ZONE 'AE' = SPECIAL FLOOD HAZARD AREA WITH BASE FLOOD ELEVATION
 ZONE 'X' (UNSHADED) = AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.
 ZONE 'X' (SHADED) 0.2% ANNUAL CHANCE FLOOD HAZARD. AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTH LESS THAN ONE FOOT OR WITH DRAINAGE AREAS OF LESS THAN ONE SQUARE MILE.
 MAP EFFECTIVE DATE: OCTOBER 2, 2015
 - THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE CONTRACTOR SHALL NOTIFY "DIG-54" PRIOR TO EXCAVATION AND SHALL NOTIFY LOCAL UTILITY COMPANIES BEFORE COMMENCEMENT OF WORK TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND RELOCATE UTILITIES AS REQUESTED SHOULD THERE BE A CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
 - HORIZONTAL DATA ON THIS PLAN WAS OBTAINED BY FIELD SURVEY, AND REFERENCES THE RHODE ISLAND STATE PLANE COORDINATES.
 - THE VERTICAL DATA ON THIS PLAN REFERENCES THE NORTH AMERICAN VERTICAL DATUM OF 1985 (NAVD85).

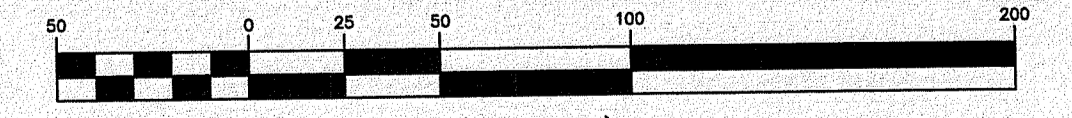
Environmental Management
 DEC 19 2019
 Office of Water Resources

SMITHFIELD, RI
 EXISTING CONDITIONS PLAN
 PREPARED FOR
PARE CORP.
 SURVEY OF
 A PORTION OF
 AP 11 LOTS 5, 6, 7 &
 AP 12 LOT 1A
 100 PLEASANT VIEW AVENUE
 ZONE R-20

APRIL 25, 2019
 DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 OFFICE OF WETLANDS PROGRAM
 FRESHWATER WITH CONDITIONS
 AS SHOWN IN LETTER OF APPROVAL
 DATE: 9/25/19 FILE # 19-0347
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLAN FOR CONSTRUCTION SITE

450 GEO. WASH. HWY. SMITHFIELD, RI
 (401) 231-0900

GRAPHIC SCALE

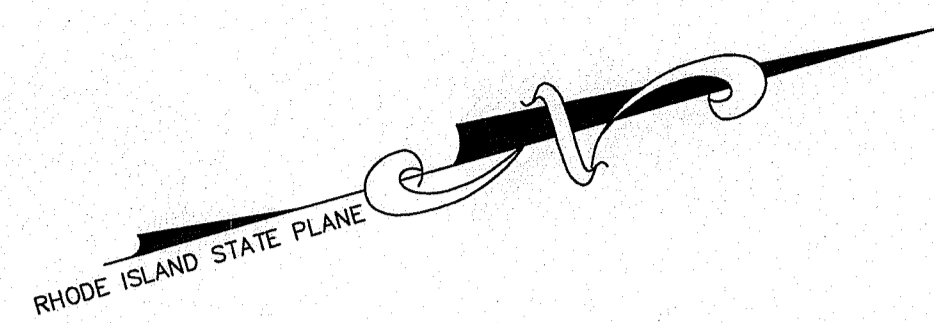


NO.	DATE	DESCRIPTION	BY
1.	9/25/19	REQUESTED REVISIONS	NMS

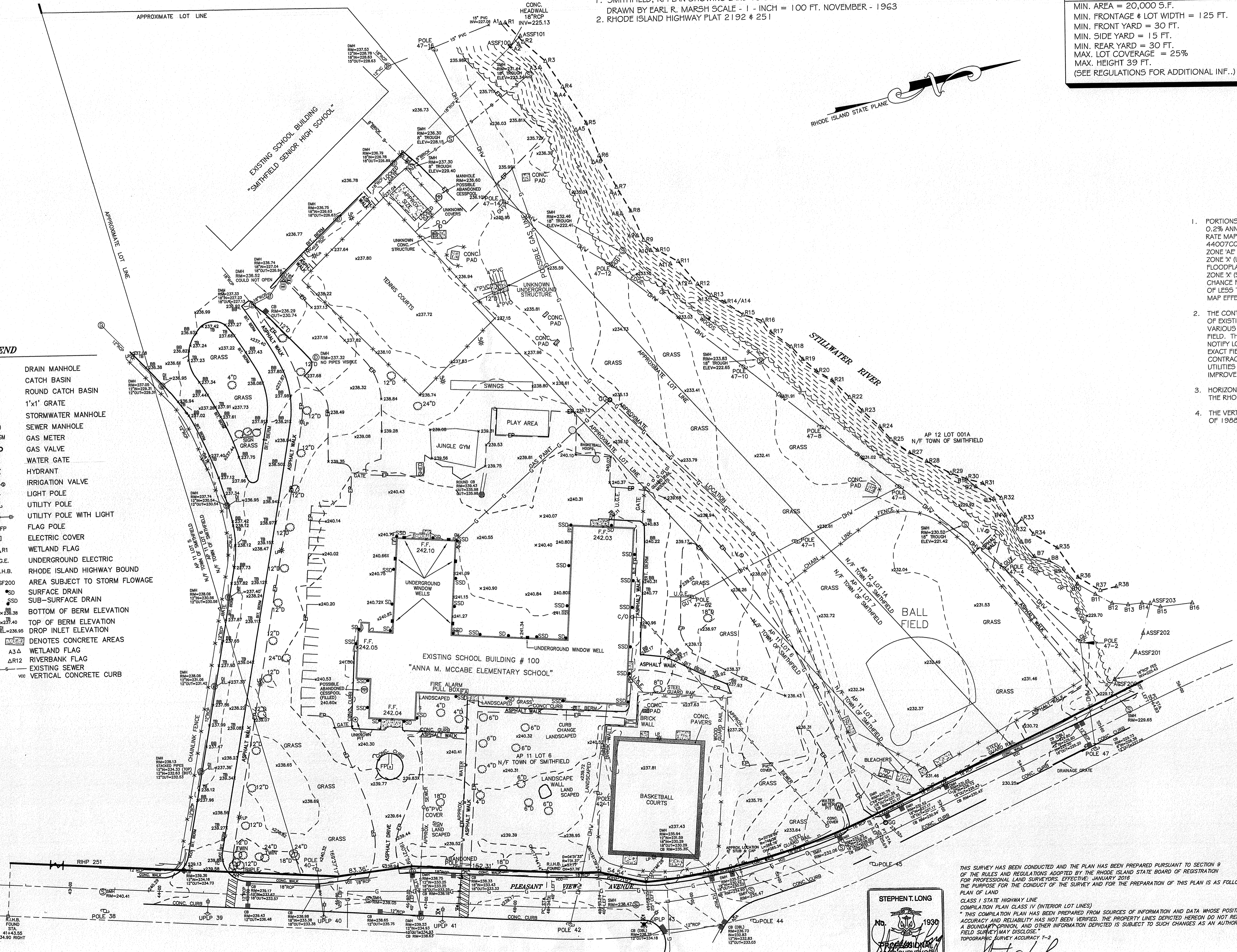
THIS PLAN TO BE INDEXED BY THE FOLLOWING:
 PLEASANT VIEW AVENUE

LEGEND

- ⊙ DRAIN MANHOLE
- ⊕ CATCH BASIN
- ⊕ ROUND CATCH BASIN
- ⊕ 1'x1' GRATE
- ⊕ STORMWATER MANHOLE
- ⊕ SEWER MANHOLE
- ⊕ GAS METER
- ⊕ GAS VALVE
- ⊕ WATER GATE
- ⊕ HYDRANT
- ⊕ I.R.V. IRRIGATION VALVE
- ⊕ LIGHT POLE
- ⊕ UTILITY POLE
- ⊕ UTILITY POLE WITH LIGHT
- ⊕ FLG POLE
- ⊕ ELECTRIC COVER
- ⊕ WETLAND FLAG
- ⊕ U.G.E. UNDERGROUND ELECTRIC
- ⊕ R.I.H.B. RHODE ISLAND HIGHWAY BOUND
- ⊕ ASSF200 AREA SUBJECT TO STORM FLOWAGE
- ⊕ SD SURFACE DRAIN
- ⊕ SSD SUB-SURFACE DRAIN
- ⊕ BOTTOM OF BERM ELEVATION
- ⊕ TOP OF BERM ELEVATION
- ⊕ DROP INLET ELEVATION
- ⊕ CONCRETE DENOTES CONCRETE AREAS
- ⊕ WETLAND FLAG
- ⊕ RIVERBANK FLAG
- ⊕ EXISTING SEWER
- ⊕ VERTICAL CONCRETE CURB



\u0026CARLSON PROJECTS(2019)19021pleasantview.dwg, 9/25/2019 2:21:37 PM, KIP 770K



STEPHEN T. LONG
 No. 1930
 PROFESSIONAL
 LAND SURVEYOR

6-19-19

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS, EFFECTIVE, JANUARY 2019. THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THIS PLAN IS AS FOLLOWS:
 PLAN OF LAND
 CLASS I STATE HIGHWAY LINE
 COMPILATION PLAN CLASS IV (INTERIOR LOT LINES)
 * THIS COMPILATION PLAN HAS BEEN PREPARED FROM SOURCES OF INFORMATION AND DATA WHOSE POSITIONAL ACCURACY AND RELIABILITY HAS NOT BEEN VERIFIED. THE PROPERTY LINES DEPICTED HEREON DO NOT REPRESENT A BOUNDARY OR OWN AND OTHER INFORMATION DEPICTED IS SUBJECT TO SUCH CHANGES AS AN AUTHENTICATIVE FIELD SURVEY MAY DISCLOSE.
 TOPOGRAPHIC SURVEY ACCURACY T-2
 BY: *Stephen T. Long*
 STEPHEN T. LONG No. 1930
 C.O.A. LS-4538

CONSTRUCTION NOTES

- 4W = 4" SOLID WHITE EPOXY RESIN PAVEMENT MARKING
- 6W = 6" SOLID WHITE EPOXY RESIN PAVEMENT MARKING
- 12W = 12" SOLID WHITE EPOXY RESIN PAVEMENT MARKING
- 12Y = 12" SOLID YELLOW EPOXY RESIN PAVEMENT MARKING
- 4DY = 4" DOUBLE YELLOW EPOXY RESIN PAVEMENT MARKING
- ATG = ADJUST TO GRADE
- BOL = BOLLARD
- BPW = BLACKOUT PAVEMENT MARKING
- BTC = BITUMINOUS BERM TRANSITION TO CURB
- CG = CLEAR AND GRUB VEGETATION
- CFS = COMPOST FILTER SOCK
- CM = SAWCUT AND MATCH
- CP = CONCRETE PAD
- CTE = CONNECT TO EXISTING
- CSTR = CONCRETE STAIRS (SEE DETAIL)
- CW = CROSS WALK (SEE DETAIL)
- DC = REMOVE AND DISPOSE CURB
- DCP = REMOVE AND DISPOSE CONCRETE PAD
- DCW = REMOVE AND DISPOSE CONCRETE WALK
- DD = REMOVE AND DISPOSE DRAINAGE
- DDS = REMOVE AND DISPOSE DOWNSPOUT
- DE = REMOVE AND DISPOSE ELECTRIC
- DF = REMOVE AND DISPOSE FENCE
- DFP = REMOVE AND DISPOSE FLEXIBLE PAVEMENT
- DG = REMOVE AND DISPOSE GUARDRAIL
- DGU = REMOVE AND DISPOSE GAS UTILITY
- DLP = REMOVE AND DISPOSE LIGHT POLE
- DS = REMOVE AND DISPOSE SIGN
- DSWR = REMOVE AND DISPOSE SEWER
- DUP = REMOVE AND DISPOSE UTILITY POLE
- DW = REMOVE AND DISPOSE WATER
- DWP = DETECTABLE WARNING PAYER (SEE DETAIL)
- ETR = EXISTING TO REMAIN. PROTECT DURING CONSTRUCTION.
- GV = GATE VALVE
- HDHMA = HEAVY DUTY HOT MIXED ASPHALT PAVEMENT (SEE DETAIL)
- HMA = HOT MIXED ASPHALT PAVEMENT (SEE DETAIL)
- HYD = HYDRANT
- M&O = 2" MILL AND HMA CLASS 12.5 OVERLAY
- MCW = MONOLITHIC CONCRETE CURB AND WALK
- MEFM = MATCH EXISTING PAVEMENT MARKING
- QPA = QUALIFYING PERVIOUS AREA
- PM = PAVEMENT MARKING
- RLS = RIPRAP LEVEL SPREADER (SEE DETAIL)
- RPM = REMOVE PAVEMENT MARKINGS
- RR = RIPRAP EDGE
- RRA = RIPRAP SLOPE (SEE DETAIL)
- RS = RIPRAP SPILLWAY (SEE DETAIL)
- RTAD = REFER TO ARCHITECTURAL DRAWINGS
- RTED = REFER TO ELECTRICAL DRAWINGS
- RTFPD = REFER TO FIRE PROTECTION DRAWINGS
- RTLDD = REFER TO LANDSCAPE DRAWINGS
- RTMD = REFER TO MECHANICAL DRAWINGS
- RTPD = REFER TO PLUMBING DRAWINGS
- RTSD = REFER TO STRUCTURAL DRAWINGS
- R&D = REMOVE AND DISPOSE
- R&R = REMOVE AND RESET
- R&S = REMOVE AND STOCKPILE
- SB = SAND BAG EROSION CONTROL BARRIER (SEE DETAIL)
- SFCD = SEDIMENT FOREBAY CHECK DAM (SEE DETAIL)
- SHP = HANDICAP PARKING PAVEMENT MARKING (SEE DETAIL)
- SM = SEDIMENT MARKER
- TGP = TREE GROUP PROTECTION (SEE DETAIL)
- TIP = TEMPORARY INLET PROTECTION (SEE DETAIL)
- TRM = TURF REINFORCEMENT MAT (SEE DETAIL)
- TST = TEMPORARY SEDIMENT TRAP
- VCP = VEHICULAR CONCRETE PAVEMENT
- VFS = VEGETATED FILTER STRIP

CONSTRUCTION NOTES - RIDOT STANDARDS

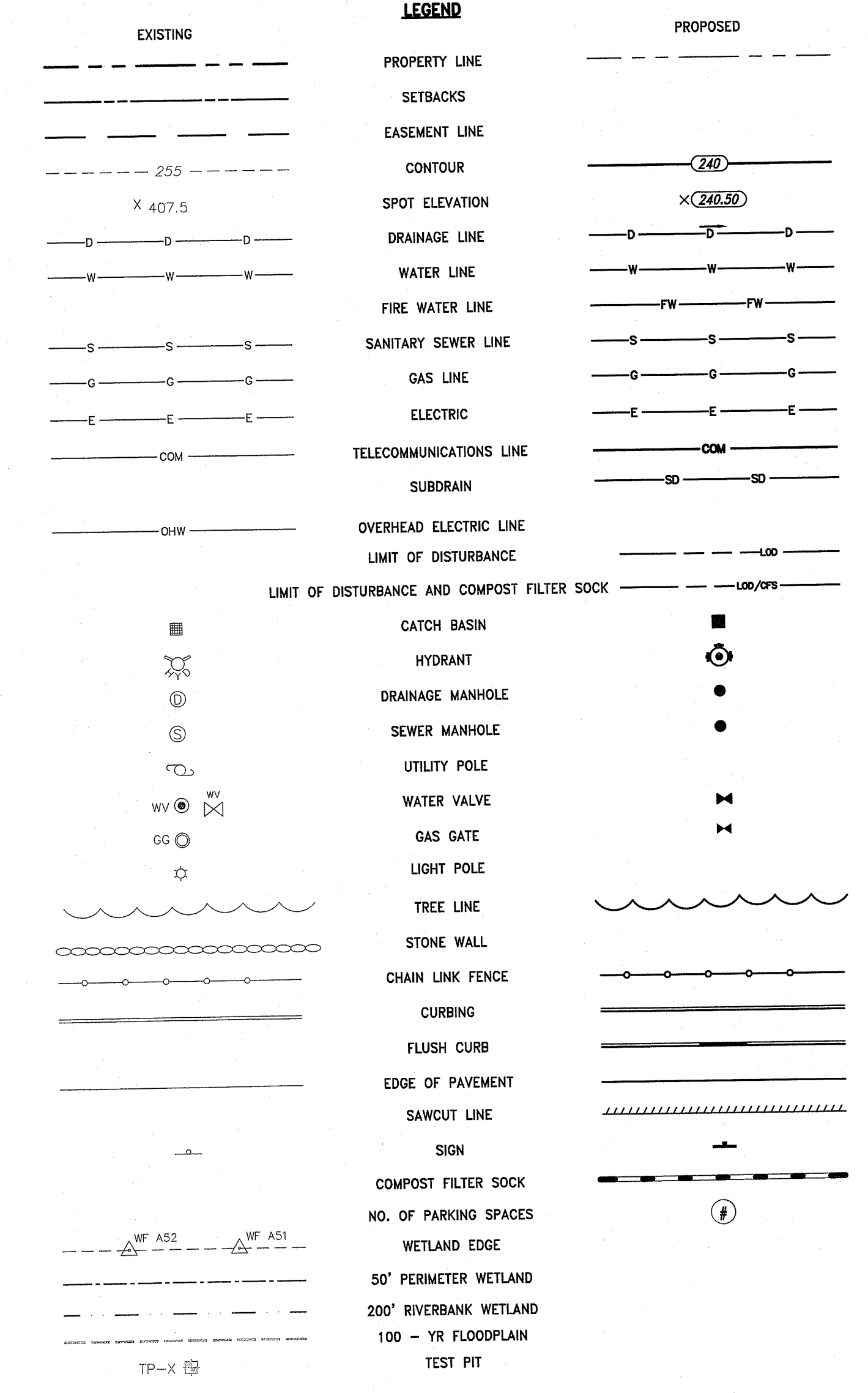
- 2.1.0 = CONCRETE HEADWALL FOR PIPE CULVERT - R.I. STD. 2.1.0
- 2.3.0 = PRECAST CONCRETE FLARED END SECTION - R.I. STD. 2.3.0
- 3.5.5 = SOLID BLOCK SHALLOW DOUBLE GRATE CATCH BASIN GRATE PERPENDICULAR TO EDGE OF PAVEMENT - R.I. STD. 3.5.5
- 4.2.0 = PRECAST 4'-0" ROUND MANHOLE - R.I. STD. 4.2.0
- 4.2.1 = PRECAST 5'-0" ROUND MANHOLE - R.I. STD. 4.2.1
- 4.2.2 = PRECAST 6'-0" ROUND MANHOLE - R.I. STD. 4.2.2
- 4.4.0M = PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCH BASIN - R.I. STD. 4.4.0M
- 4.7.2 = ALTERNATE TOP COVER FOR ROUND PRECAST MANHOLES AND CATCH BASINS - R.I. STD. 4.7.2
- 7.1.0 = PRECAST CONCRETE CURB - R.I. STD. 7.1.0
- 7.1.1 = 3'-0" PRECAST CONCRETE TRANSITION CURB - R.I. STD. 7.1.1
- 7.1.2 = 6'-0" PRECAST CONCRETE TRANSITION CURB - R.I. STD. 7.1.2
- 7.1.3 = PRECAST CONCRETE WHEELCHAIR RAMP TRANSITION CURB - R.I. STD. 7.1.3
- 7.1.6 = PRECAST CONCRETE INLET STONE (FOR ROUND CATCH BASIN) - R.I. STD. 7.1.6
- 7.2.4 = PRECAST CONCRETE CAR STOPS - R.I. STD. 7.2.4
- 7.3.0 = GRANITE CURB - R.I. STD. 7.3.0
- 7.3.1 = 3'-0" GRANITE TRANSITION CURB - R.I. STD. 7.3.1
- 7.3.2 = 6'-0" GRANITE TRANSITION CURB - R.I. STD. 7.3.2
- 7.3.5 = GRANITE INLET STONE (FOR SQUARE CATCH BASIN) - R.I. STD. 7.3.5
- 7.3.6 = GRANITE INLET STONE (FOR ROUND CATCH BASIN) - R.I. STD. 7.3.6
- 7.5.0 = BITUMINOUS CONCRETE LIP CURB - R.I. STD. 7.5.0
- 7.5.1 = BITUMINOUS BERM - R.I. STD. 7.5.1
- 9.7.0 = DEWATERING BASIN - R.I. STD. 9.7.0
- 9.9.0 = CONSTRUCTION ACCESS - R.I. STD. 9.9.0
- 20.1.0 = PAVEMENT MARKINGS ARROW AND ONLY - R.I. STD. 20.1.0
- 34.4.0 = STEEL BACKED TIMBER GUARDRAIL - R.I. STD. 34.4.0
- 43.1.0 = CEMENT CONCRETE SIDEWALK - R.I. STD. 43.1.0
- 43.1.0M = CEMENT CONCRETE SIDEWALK (MODIFIED) - R.I. STD. 43.1.0M
- 43.2.0 = BITUMINOUS CONCRETE SIDEWALK - R.I. STD. 43.2.0
- 43.3.0 = WHEELCHAIR RAMP - R.I. STD. 43.3.0
- 43.3.0M = WHEELCHAIR RAMP (MODIFIED) - R.I. STD. 43.3.0M
- 43.3.1 = WHEELCHAIR RAMP FOR LIMITED RIGHT-OF-WAY AREAS - R.I. STD. 43.3.1
- 43.3.2 = RAMP LANDING FOR NARROW SIDEWALK - R.I. STD. 43.3.2
- 43.3.2M = RAMP LANDING FOR NARROW SIDEWALK (MODIFIED) - R.I. STD. 43.3.2M
- 43.4.0 = DRIVEWAY DEVELOPMENT FOR 3'-0" TRANSITION CURB - R.I. STD. 43.4.0
- 48.1.0 = DETECTABLE WARNING SYSTEM - R.I. STD. 48.1.0
- 48.1.0M = DETECTABLE WARNING SYSTEM (MODIFIED) - R.I. STD. 48.1.0M
- 51.1.1 = DRIPLINE TREE PROTECTION DEVICE FOR EXISTING TREES - R.I. STD. 51.1.1

LEGEND

- [Pattern] = HOT MIXED ASPHALT PAVEMENT
- [Pattern] = HEAVY DUTY HOT MIX ASPHALT PAVEMENT
- [Pattern] = BITUMINOUS CONCRETE SIDEWALK
- [Pattern] = CEMENT CONCRETE SIDEWALK
- [Pattern] = VEHICULAR CONCRETE PAVEMENT
- [Pattern] = MILL & OVERLAY
- [Pattern] = MOW STRIP
- [Pattern] = QUALIFYING PERVIOUS AREA
- [Pattern] = STORMWATER AREA

ABBREVIATIONS

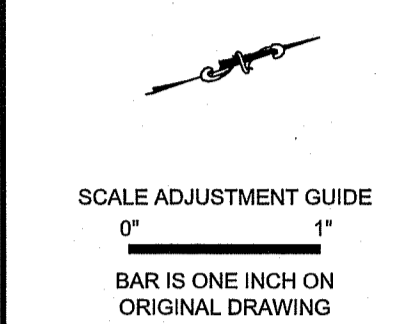
- AD = AREA DRAIN
- ADA = AMERICANS WITH DISABILITIES ACT
- ASSF = AREA SUBJECT TO STORM FLOWAGE
- BM = BENCHMARK
- BMP = BEST MANAGEMENT PRACTICE
- BIT = BITUMINOUS
- BOT = BOTTOM
- BC = BOTTOM OF CURB (FINISHED GRADE ON LOW SIDE OF CURB)
- BS = BOTTOM OF STAIR (FINISHED GRADE AT BOTTOM STAIR)
- BW = BOTTOM OF WALL (FINISHED GRADE ON LOW SIDE OF WALL)
- CI = CAST IRON
- CB = CATCH BASIN, 4' DIA. UNLESS OTHERWISE NOTED
- CLDI = CEMENT-LINED DUCTILE IRON
- CLSM = CONTROLLED LOW STRENGTH MATERIAL
- CL = CLASS
- CO = CLEANOUT
- CONC. = CONCRETE
- CC = CONCRETE CURB, VERTICAL
- DEMO = DEMOLITION
- DIA = DIAMETER
- DIV = DIVERSION
- DYL = DOUBLE YELLOW LINE
- DMH = DRAIN MANHOLE
- EOP = EDGE OF PAVEMENT
- ELEV. = ELEVATION
- EX. EXIST. = EXISTING
- EXCB = EXISTING CATCH BASIN
- EXDMH = EXISTING DRAIN MANHOLE
- FTE = FINISH FLOOR ELEVATION
- FT = FOOT
- FND. = FOUND
- STD = GRADE TO DRAIN
- GRAN. = GRANITE
- HDPE = HIGH DENSITY POLYETHYLENE PIPE
- HMA = HOT MIX ASPHALT
- HYD = HYDRANT
- I.D. = INNER DIAMETER
- INV. = INVERT
- LOD = LIMIT OF DISTURBANCE
- LP = LOW POINT
- MUTCD = MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION
- MAX. = MAXIMUM
- MIN. = MINIMUM
- MON. = MONITORING
- NTS. = NOT TO SCALE
- OWS = OIL WATER SEPARATOR
- OCS = OUTLET CONTROL STRUCTURE
- PERF. = PERFORATED
- PE = POLYETHYLENE
- PVC = POLYVINYL CHLORIDE
- R=X' = RADIUS
- RCP = REINFORCED CONCRETE PIPE
- RIDEM = RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
- RIDOT = RHODE ISLAND DEPARTMENT OF TRANSPORTATION
- RHP = RHODE ISLAND HIGHWAY PLAT
- R.I. STD. = RHODE ISLAND STANDARD
- SMH = SEWER MANHOLE
- SWL = SINGLE SOLID WHITE LINE
- SESC = SOIL EROSION AND SEDIMENT CONTROL
- SDR = STANDARD DIMENSIONAL RATIO
- TD = TEMPORARY DIVERSION
- TST = TEMPORARY SEDIMENT TRAP
- TSW = TEMPORARY SWALE
- TP = TEST PIT
- TC = TOP OF CURB
- TS = TOP OF STAIR (FINISHED GRADE OF TOP STAIR)
- TW = TOP OF WALL
- TYP. = TYPICAL
- UP = UTILITY POLE
- VCC = VERTICAL GRANITE CURB
- VCL = VITRIFIED CLAY
- WPM = WATER PAINT MARK
- W/ = WITH
- YD = YARD DRAIN



DEC 19 2019
 Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED 12/13/19
 FILE # 19-0317
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

OWNER/APPLICANT:
 SMITHFIELD ELEMENTARY
 SCHOOLS
 49 FARNUM PIKE
 SMITHFIELD, RI 02817



Smithfield Elementary School Improvements
McCabe School
 100 Pleasant View Ave
 Smithfield, Rhode Island

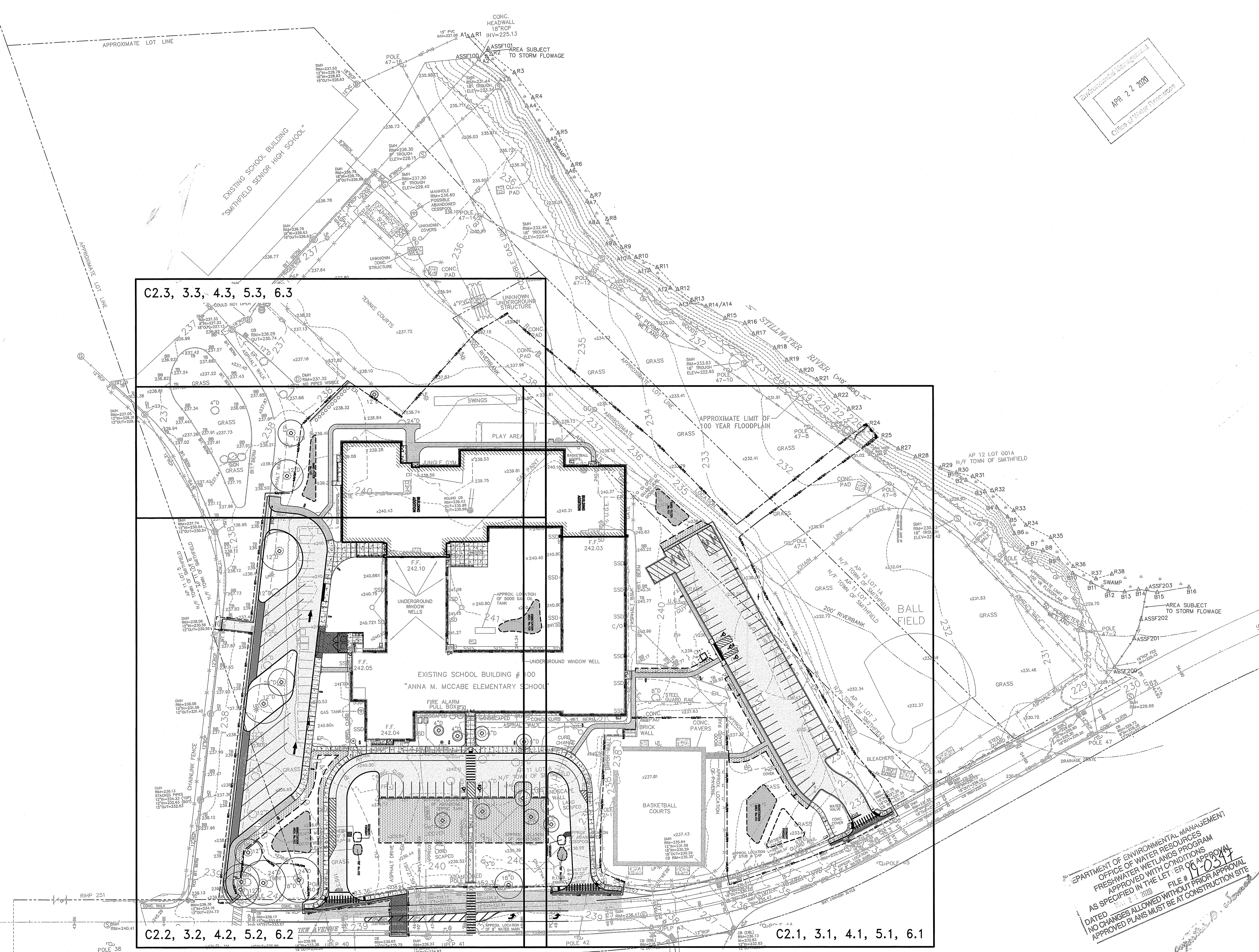
REVISIONS:

NO.	DATE	DESCRIPTION
1	4-03-20	RIDEM COMMENTS

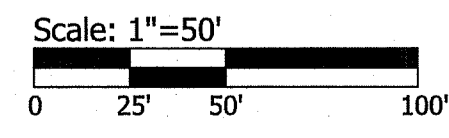
PROJECT NO.: 19056.00
 DATE: DECEMBER 19, 2019
 SCALE: 1"=50'
 DESIGNED BY: VAH
 CHECKED BY: DLP
 DRAWN BY: AKL
 APPROVED BY: DLP
 DRAWING TITLE:

OVERALL PLAN
 DRAWING NO.: C1.3
 SHEET NO. 4 OF 33

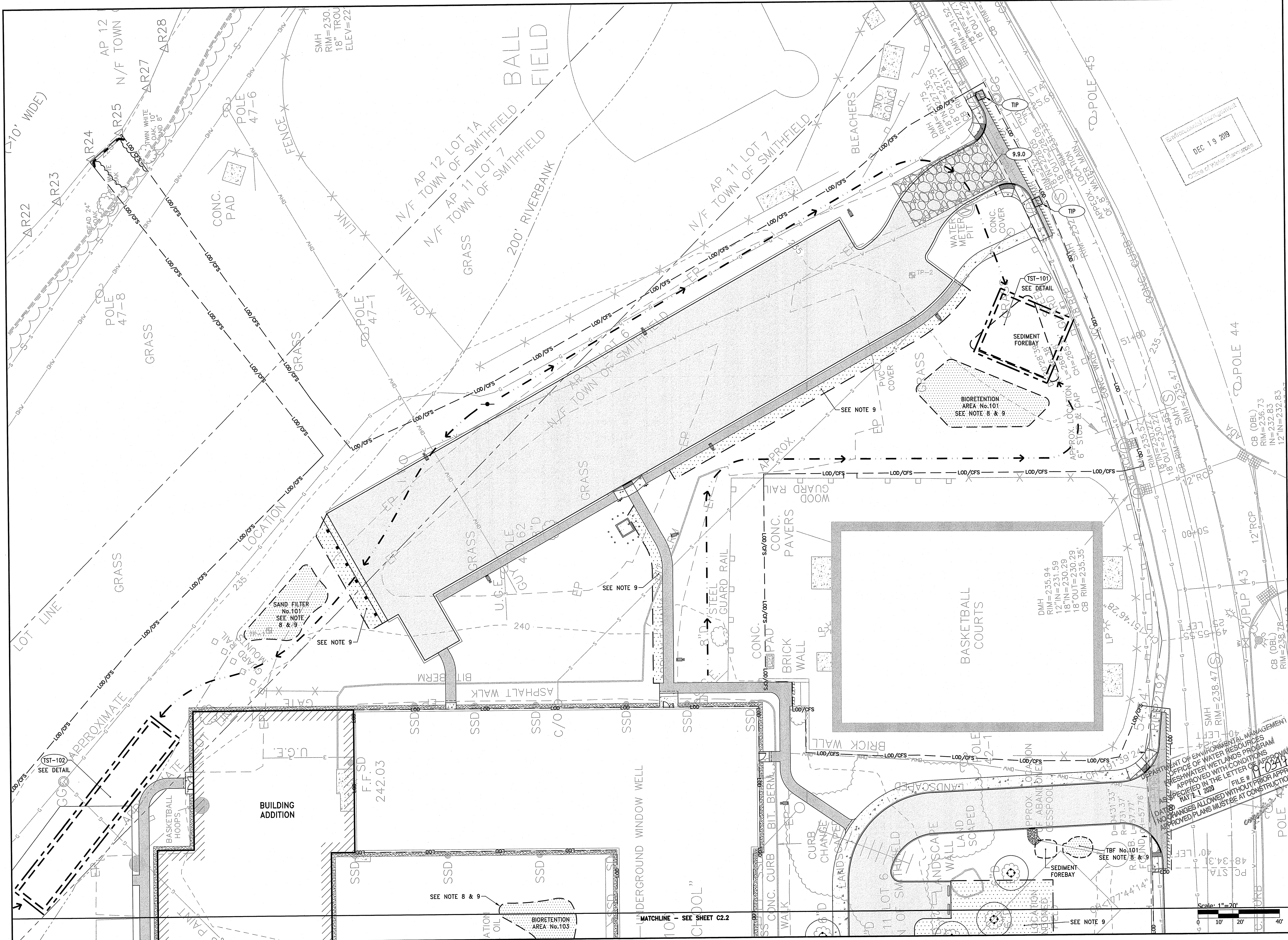
Environmental Site Assessment
 APR 22 2020
 Office of Water Resources



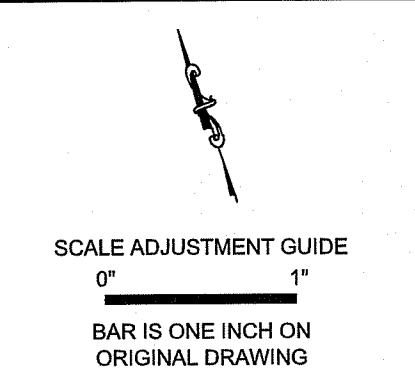
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED 4/21/2020 FILE # 190347
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C2.3, 3.3, 4.3, 5.3, 6.3
 C2.2, 3.2, 4.2, 5.2, 6.2
 C2.1, 3.1, 4.1, 5.1, 6.1



OWNER/APPLICANT:
SMITHFIELD ELEMENTARY
SCHOOLS
49 FARNUM PIKE
SMITHFIELD, RI 02917



Smithfield Elementary School Improvements

McCabe School

100 Pleasant View Ave
Smithfield, Rhode Island

REVISIONS:

NO.	DESCRIPTION

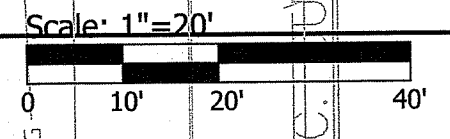
PROJECT NO.: 19056.00
DATE: DECEMBER 13, 2019
SCALE: 1"=20'
DRAWN BY: VAH
CHECKED BY: DLP
APPROVED BY: AKL

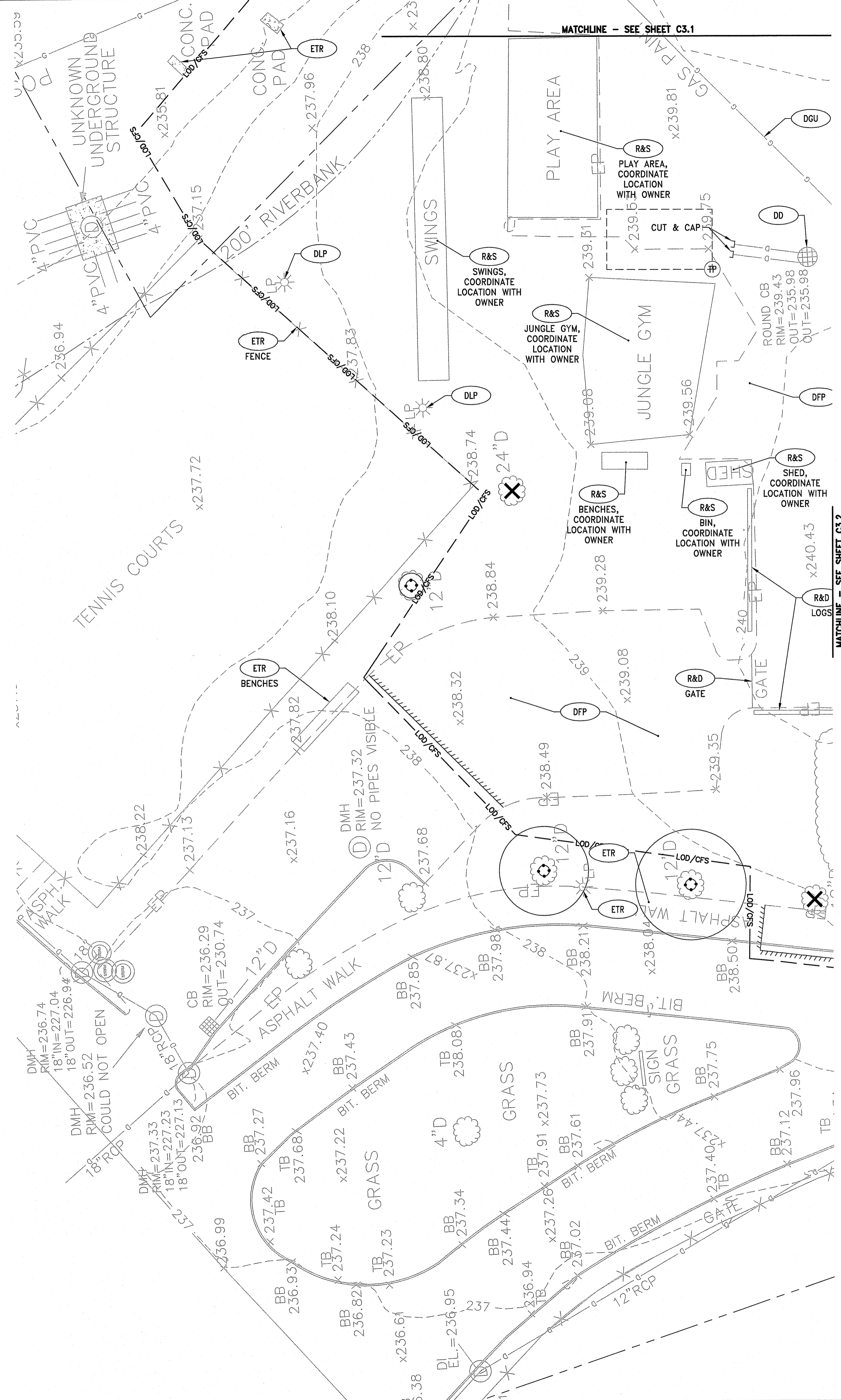
DRAWING TITLE:
MCCABE
EROSION & SEDIMENT
CONTROL PLAN 1

DRAWING NO.:
C2.1
SHEET NO. 5 OF 33

Environmental Management
DEC 19 2019
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
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 FILE # 19-0349
 APPROVAL DATE: 12/11/2019
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 APPROVED PLANS MUST BE AT CONSTRUCTION SITE





NOTES:

- UTILITY SERVICE TO THE FACILITY SHALL NOT BE INTERRUPTED DUE TO UTILITY WORK SHOWN HEREON. ALL UTILITIES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- PRIOR TO COMMENCING SITE WORK IN ANY AREA, THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES WITH THE PROJECT AREA USING GROUND-PENETRATING RADAR OR OTHER NONDESTRUCTIVE SURVEY METHODS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EXISTING UTILITIES OR STRUCTURES WITHIN THE PROJECT AREA DEPICTED AND NOT DEPICTED ON THE PLANS. ANY DAMAGE TO EXISTING WORKING UTILITIES OR STRUCTURES NOT INTENDED TO BE REMOVED SHALL BE RESTORED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- PRIOR TO ANY UTILITY AND/OR DRAINAGE SYSTEM DEMOLITION, PROVISIONS FOR MAINTAINING THE UTILITY SHALL BE APPROVED BY THE OWNER OR THE OWNER'S REPRESENTATIVE BEFORE ANY RELATED WORK MAY COMMENCE.
- ALL TEMPORARILY CUT UTILITIES SHALL BE PROTECTED FROM SEDIMENTATION UNTIL IT IS CONNECTED IN ITS POST-CONSTRUCTION POSITION.
- REMOVE AND STOCKPILE ALL SITE FEATURES WITHIN LOD INCLUDING BUT NOT LIMITED TO BENCHES, PLAYGROUND EQUIPMENT, MONUMENTS, PLANTER BOXES, ETC. COORDINATE STOCKPILE LOCATION WITH OWNER.
- REFER TO ELECTRICAL SITE PLAN FOR ALL ELECTRICAL AND TELECOMMUNICATIONS WORK, INCLUDING DEMOLITION.
- ALL CONSTRUCTION ACTIVITIES INVOLVING SOIL DISTURBANCE AROUND WATERCOURSES MUST BE LIMITED TO THE LOW FLOW PERIOD. (JULY 1 TO OCTOBER 1)
- REFER TO "NOTES AND LEGEND" FOR ADDITIONAL NOTES.

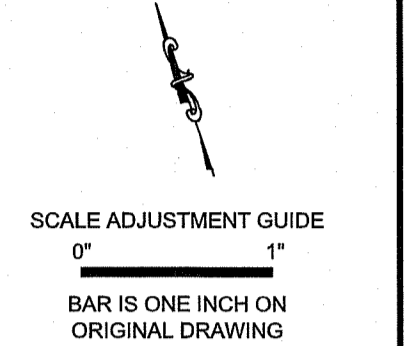
LEGEND:

- REMOVE & DISPOSE TREE. DISPOSE OF TREE AND STUMP OFF-SITE.
- PROTECT EXISTING TREE TO REMAIN. REFER TO TOP DETAIL.
- PRIOR TO COMMENCING WORK, CONTRACTOR SHALL EXCAVATE TEST PIT TO CONFIRM LOCATION, ELEVATION, AND SIZE OF UTILITY. PROVIDE INFORMATION TO ENGINEER.

Professional Seal
 DEC 19 2019
 Office of Water Resources



OWNER/APPLICANT:
SMITHFIELD ELEMENTARY SCHOOLS
49 FARNUM PIKE
SMITHFIELD, RI 02917



Smithfield Elementary School Improvements
McCabe School
 100 Pleasant View Ave
 Smithfield, Rhode Island

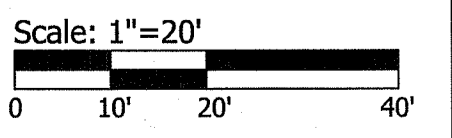
DAVID L. POTTER
 No. 8665
 REGISTERED PROFESSIONAL ENGINEER
 12.13.19

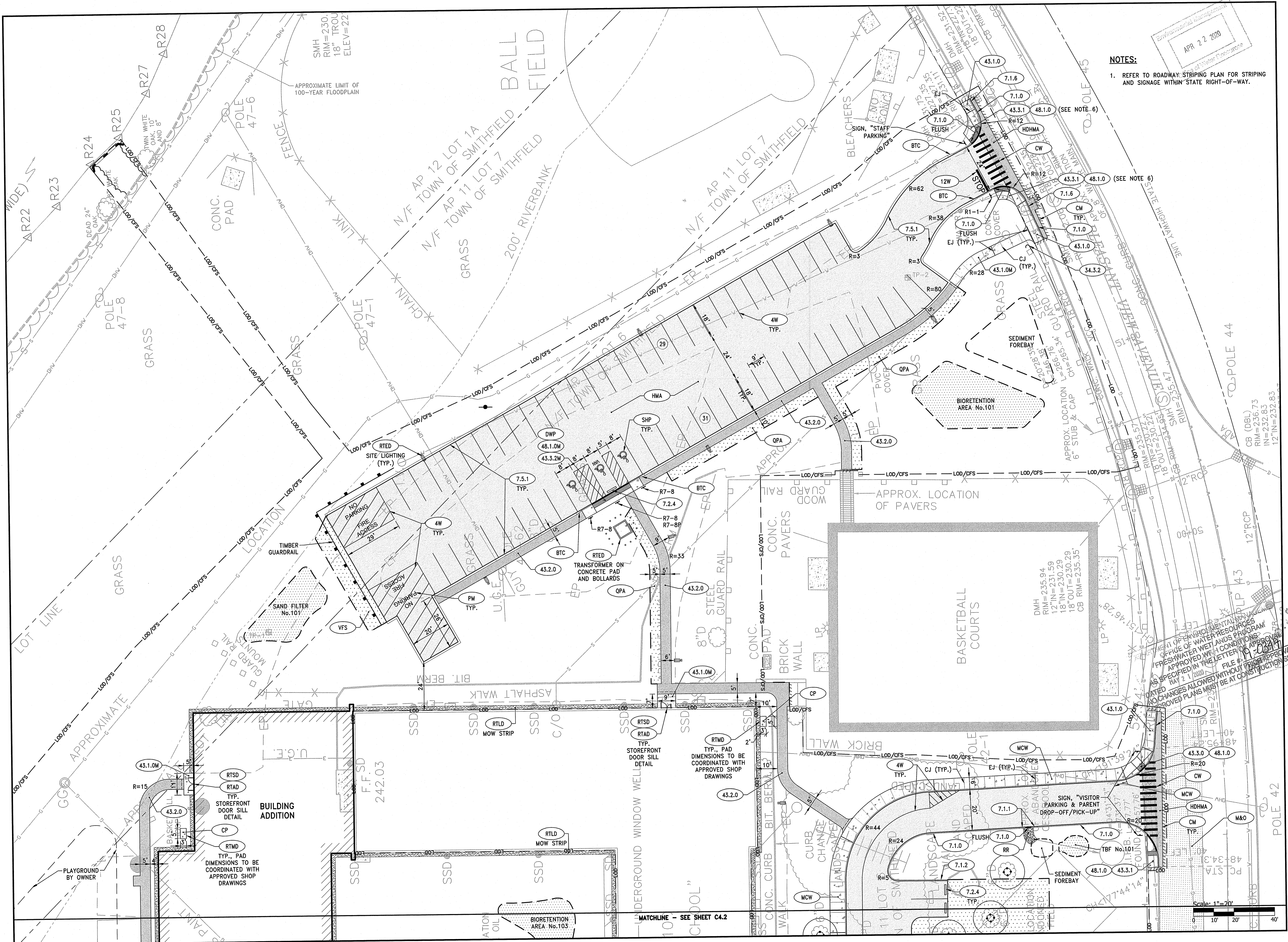
REVISIONS:

NO.	DESCRIPTION

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED MAY 21 2019 FILE # 19-0319
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

PROJECT NO.: 19056.00
 DATE: DECEMBER 13, 2019
 SCALE: 1"=20'
 DESIGNED BY: VAH
 CHECKED BY: DLP
 DRAWN BY: AKL
 APPROVED BY: DLP
 DRAWING TITLE:
 MCCABE
 DEMOLITION PLAN 3
 DRAWING NO.:
C3.3
 SHEET NO. 10 OF 33



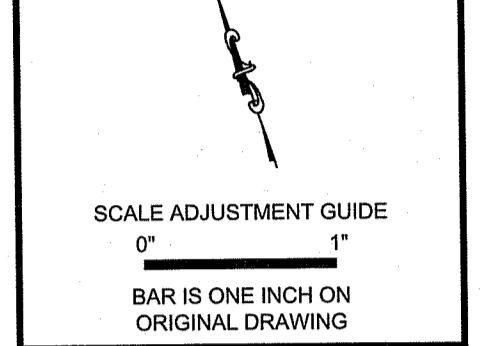


NOTES:
 1. REFER TO ROADWAY STRIPING PLAN FOR STRIPING AND SIGNAGE WITHIN STATE RIGHT-OF-WAY.

APR 22 2020
 Environmental Management
 State of Rhode Island
 Department of Environmental Management



OWNER/APPLICANT:
 SMITHFIELD ELEMENTARY SCHOOLS
 49 FARNUM PIKE
 SMITHFIELD, RI 02917



Smithfield Elementary School Improvements

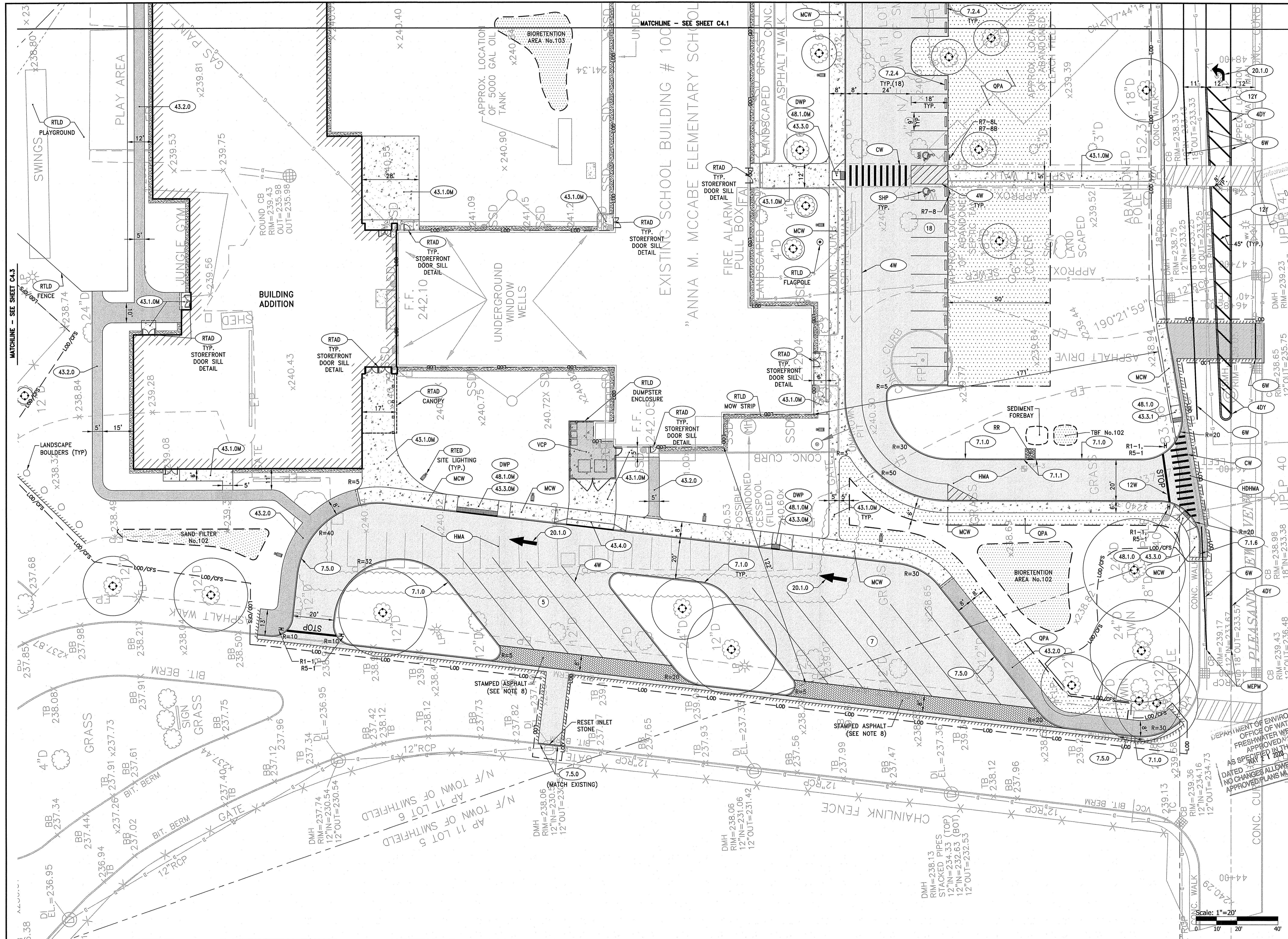
McCabe School

100 Pleasant View Ave
 Smithfield, Rhode Island

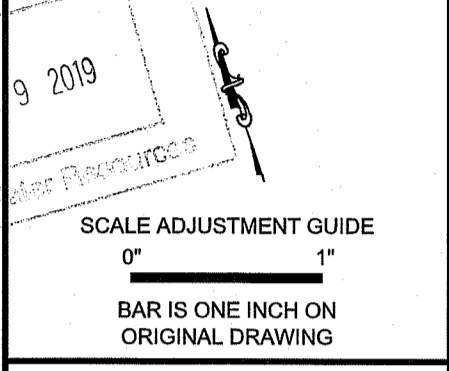
REVISIONS:

1	3-12-20	RIDOT COMMENTS
2	4-03-20	RIDEM COMMENTS

PROJECT NO.: 19056.00
 DATE: DECEMBER 19, 2019
 SCALE: 1"=20'
 DESIGNED BY: VAH
 CHECKED BY: DLP
 DRAWN BY: AKL
 APPROVED BY: DLP
 DRAWING TITLE:
 MCCABE GENERAL PLAN 1
 DRAWING NO.: C4.1
 SHEET NO. 11 OF 33



OWNER/APPLICANT:
SMITHFIELD ELEMENTARY SCHOOLS
49 FARNUM PIKE
SMITHFIELD, RI 02917



Smithfield Elementary School Improvements

McCabe School

100 Pleasant View Ave
Smithfield, Rhode Island

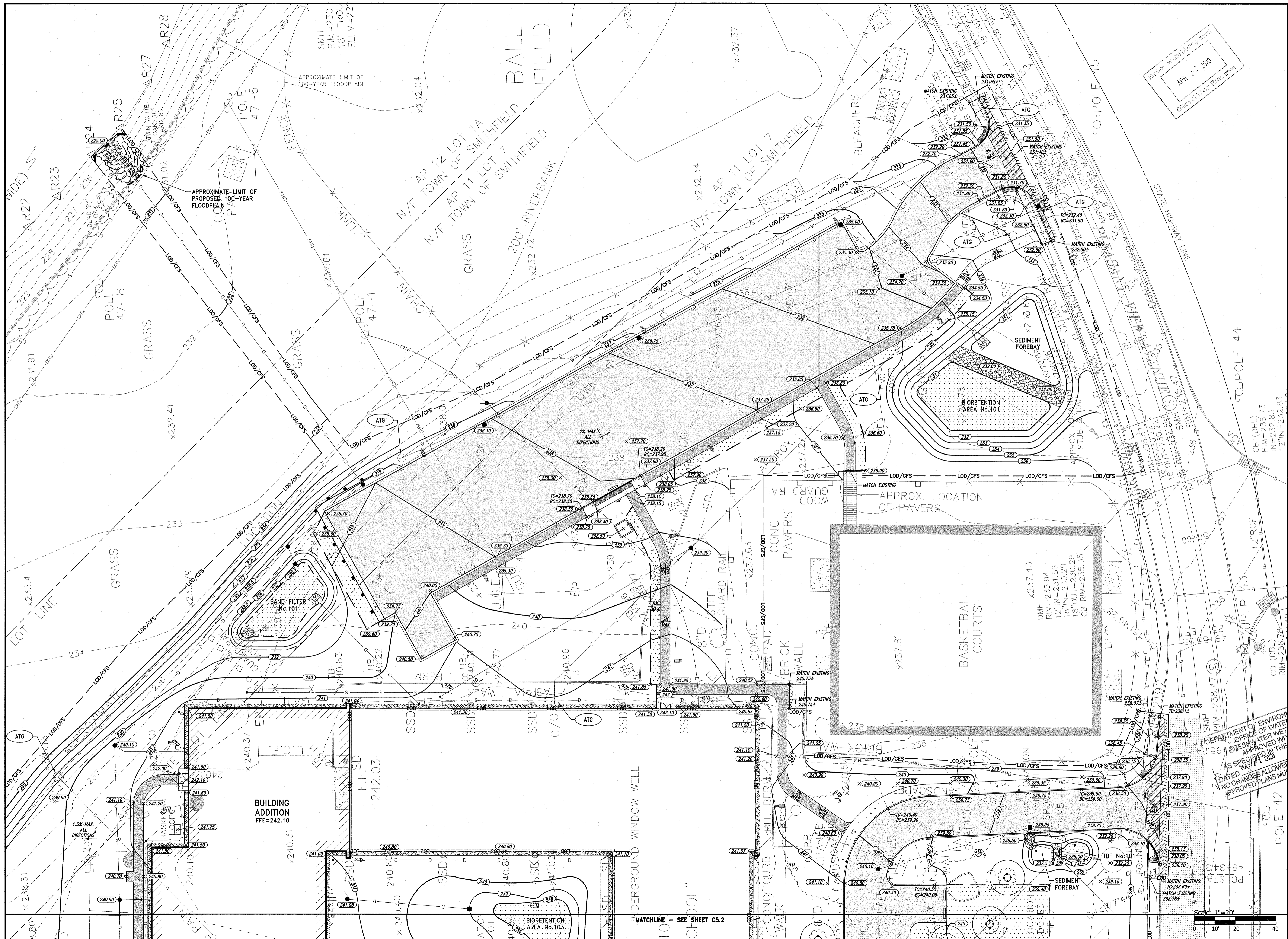
REVISIONS:

NO.	DATE	DESCRIPTION
1	12-13-2019	ISSUED FOR PERMIT

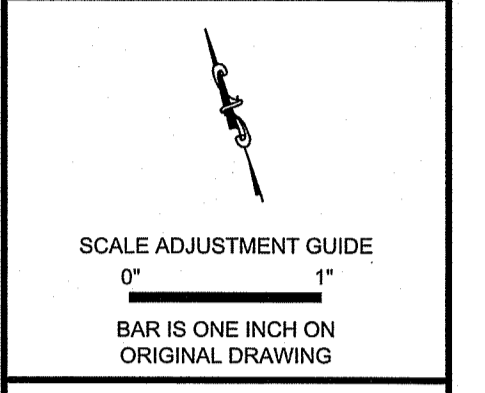
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WATERSHEDS PROGRAM
APPROVED WITH CONDITIONS
APPROVED IN THE LETTER OF APPROVAL
FILE # 19-0347
DATED 12/17/2019
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

PROJECT NO.: 19056.00
DATE: DECEMBER 13, 2019
SCALE: 1"=20'
DESIGNED BY: VAH
CHECKED BY: DLP
DRAWN BY: AKL
APPROVED BY: DLP

DRAWING TITLE:
MCCABE PLAN 2
DRAWING NO.:
C4.2
SHEET NO. 12 OF 33



OWNER/APPLICANT:
 SMITHFIELD ELEMENTARY SCHOOLS
 49 FARNUM PIKE
 SMITHFIELD, RI 02917



Smithfield Elementary School Improvements

McCabe School

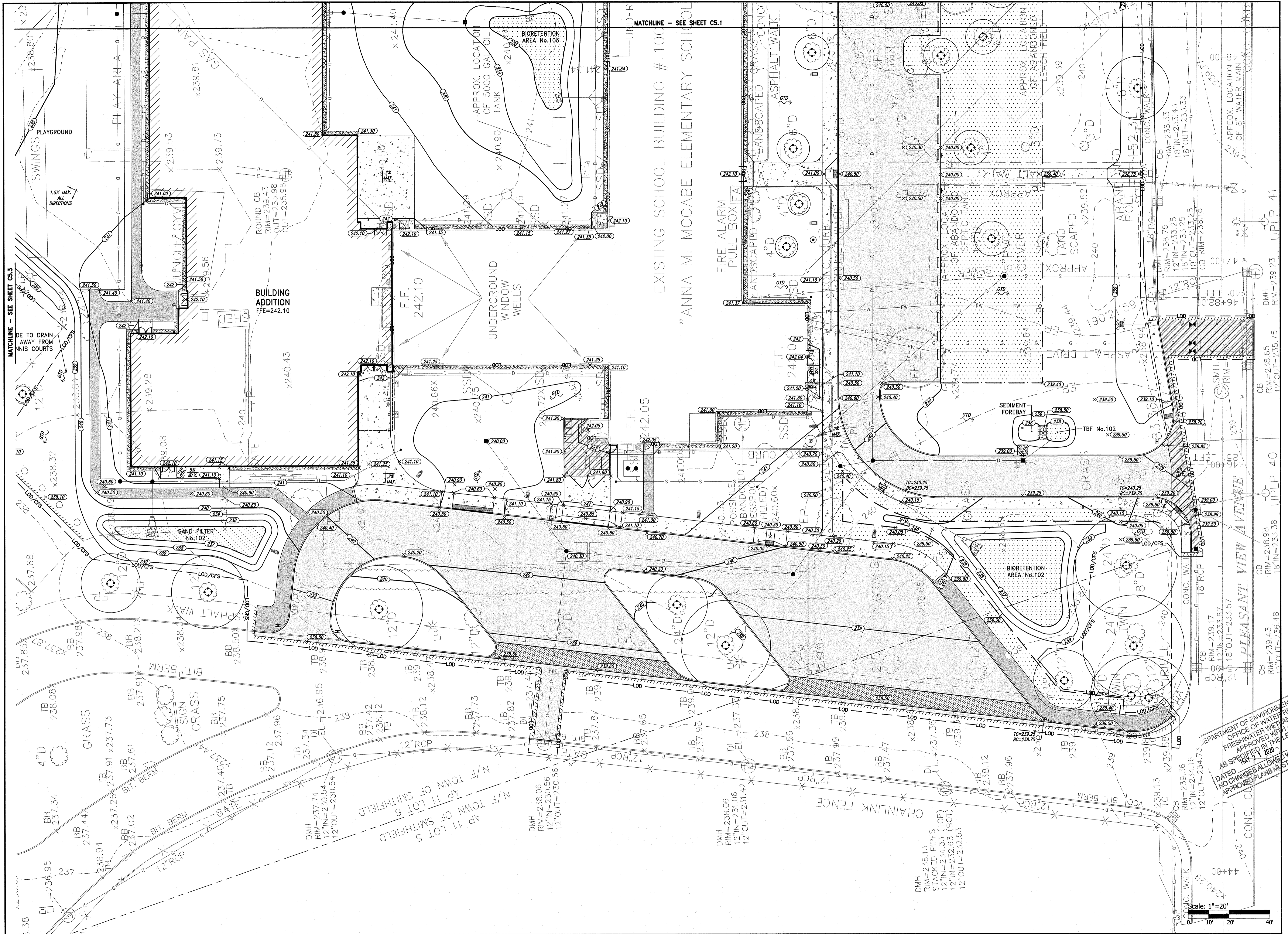
100 Pleasant View Ave
 Smithfield, Rhode Island

REVISIONS:

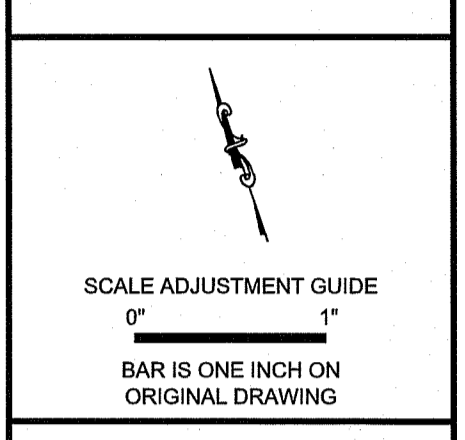
1	4-03-20	RIDEM COMMENTS
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 FILE # 17-041
 AS SPECIFIED IN THE OUT PRE-APPROVAL
 DATED MAY 1, 2020
 NO CHANGES ALLOWED WITHOUT APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

PROJECT NO.: 19056.00
 DATE: DECEMBER 19, 2019
 SCALE: 1"=20'
 DESIGNED BY: VAH
 CHECKED BY: DLP
 DRAWN BY: AKL
 APPROVED BY: DLP
 DRAWING TITLE:
 MCCABE
 GRADING PLAN 1
 DRAWING NO.:
 C5.1
 SHEET NO. 14 OF 33



OWNER/APPLICANT:
SMITHFIELD ELEMENTARY SCHOOLS
49 FARNUM PIKE
SMITHFIELD, RI 02917



PROJECT NO.: 19056.00
DATE: DECEMBER 13, 2019
SCALE: 1"=20'
DESIGNED BY: VAH
CHECKED BY: DLP
DRAWN BY: AKL
APPROVED BY: DLP

Smithfield Elementary School Improvements

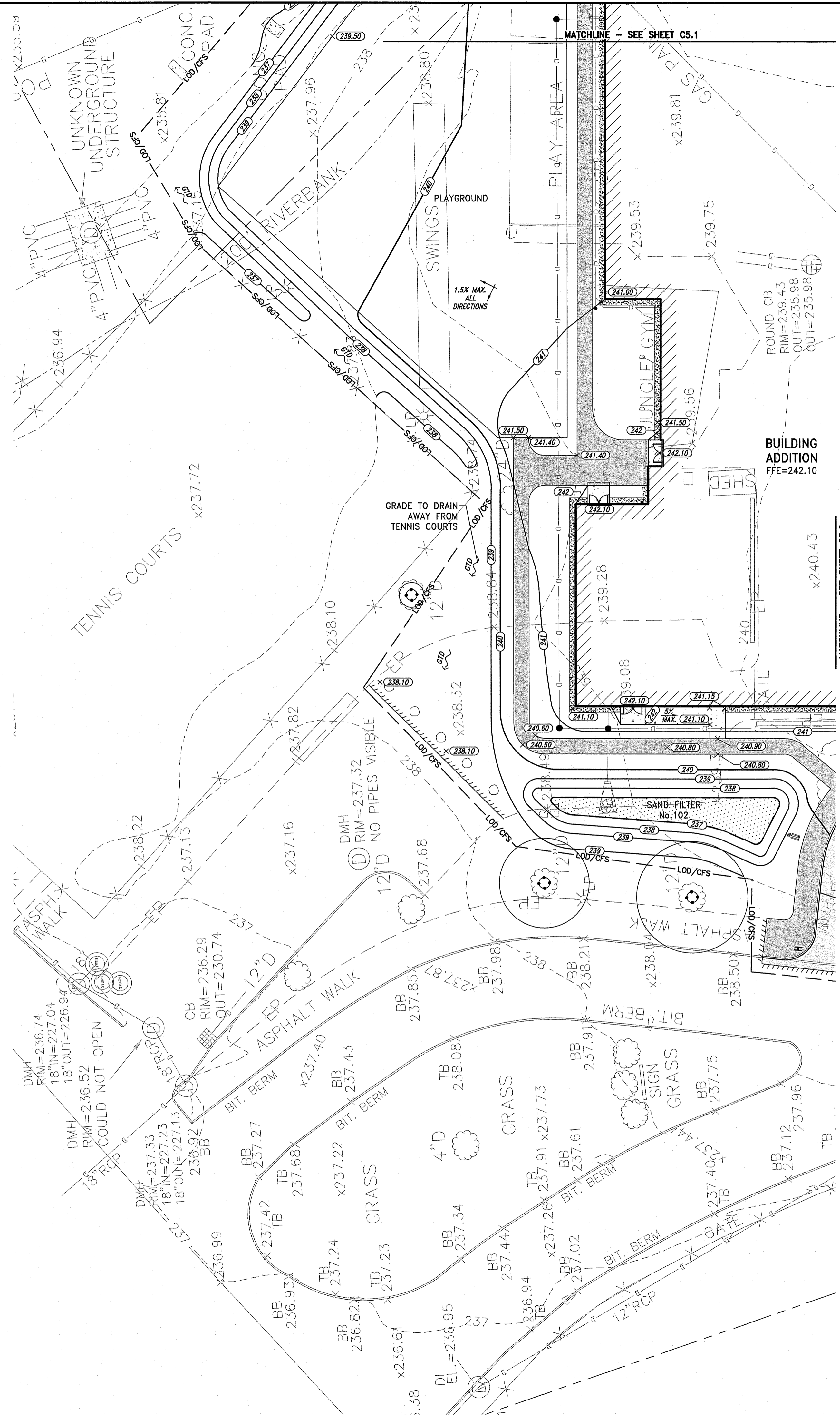
McCabe School

100 Pleasant View Ave
Smithfield, Rhode Island

REVISIONS:

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
NO CHANGES ALLOWED WITHOUT WRITTEN APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

PROJECT NO.: 19056.00
DATE: DECEMBER 13, 2019
SCALE: 1"=20'
DESIGNED BY: VAH
CHECKED BY: DLP
DRAWN BY: AKL
APPROVED BY: DLP
DRAWING TITLE:
MCCABE
GRADING PLAN 2
DRAWING NO.:
C5.2
SHEET NO. 15 OF 33



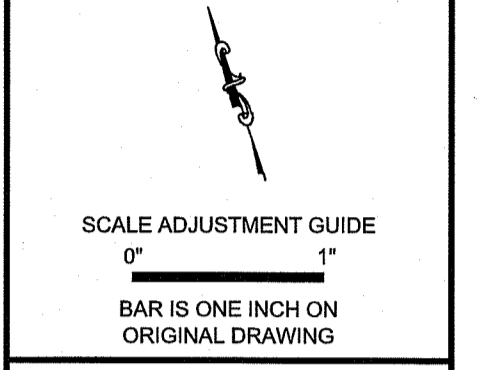
NOTES:

1. AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT AND CURBS SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS.
2. ALL UTILITY COVERS, GRATES, ETC. SHALL BE ADJUSTED TO BE FLUSH WITH THE SURROUNDING SURFACE OR PAVEMENT FINISH GRADE. RIM ELEVATIONS OF STRUCTURES AND MANHOLES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH THE GRADING PLANS.
3. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MIN. OF 1/8" PER FOOT UNLESS SPECIFIED.
4. THE PROPOSED WALKWAYS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% AND A MAXIMUM RUNNING SLOPE OF 5% AS SHOWN ON CONSTRUCTION DETAILS.
5. ALL GRADING AT ACCESSIBLE ROUTES SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA) OF 2010, LATEST EDITION.
6. TURF REINFORCEMENT MAT (TRM) SHALL BE INSTALLED ON ALL SLOPES 3:1 OR GREATER.
7. REFER TO "CIVIL NOTES AND LEGEND" FOR ADDITIONAL NOTES.

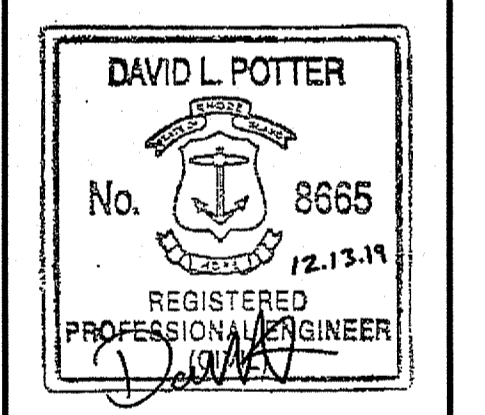
Environmental Management
 DEC 19 2019
 Office of Water Resources



OWNER/APPLICANT:
 SMITHFIELD ELEMENTARY
 SCHOOLS
 49 FARNUM PIKE
 SMITHFIELD, RI 02917



Smithfield Elementary School Improvements
McCabe School
 100 Pleasant View Ave
 Smithfield, Rhode Island

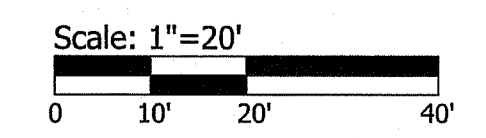


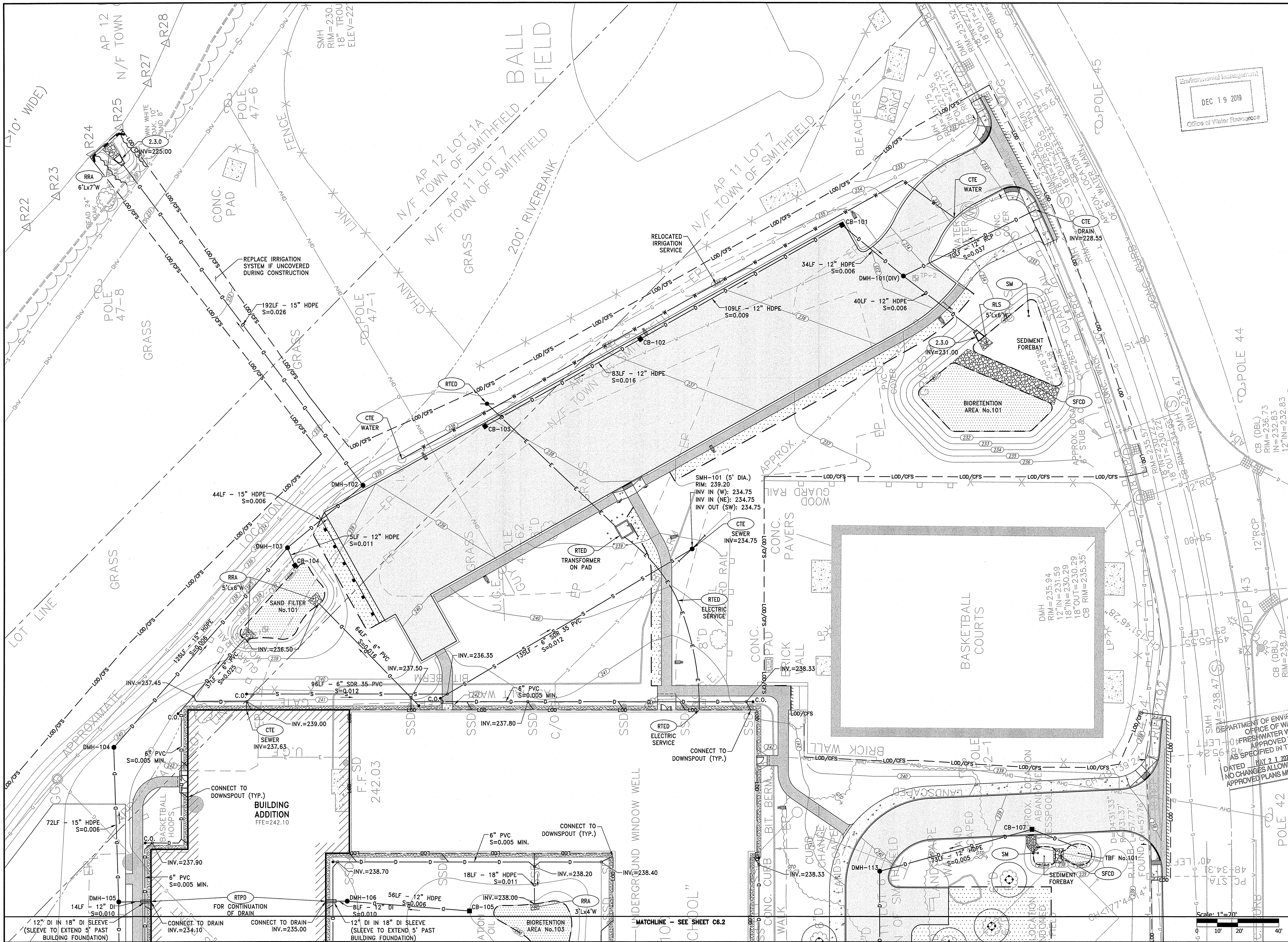
REVISIONS:

APPROVED FOR CONSTRUCTION

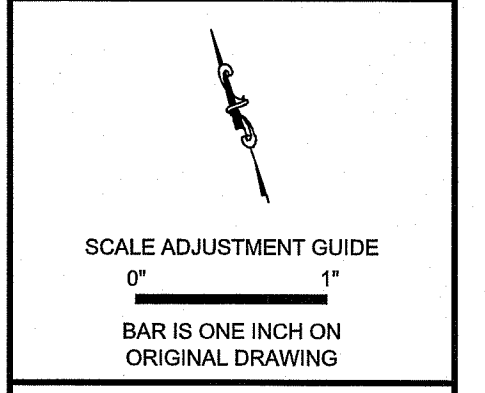
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED MAY 21 2020
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

PROJECT NO.: 19056.00
 DATE: DECEMBER 13, 2019
 SCALE: 1"=20'
 DESIGNED BY: VAH
 CHECKED BY: DLP
 DRAWN BY: AKL
 APPROVED BY: DLP
 DRAWING TITLE:
 MCCABE
 GRADING PLAN 3
 DRAWING NO.:
 C5.3
 SHEET NO. 16 OF 33





OWNER/APPLICANT:
SMITHFIELD ELEMENTARY
SCHOOLS
49 FARNUM PIKE
SMITHFIELD, RI 02917



Smithfield Elementary School Improvements

McCabe School

100 Pleasant View Ave
Smithfield, Rhode Island

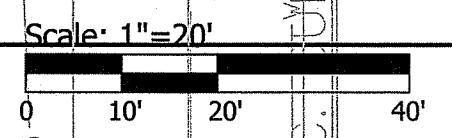
REVISIONS:

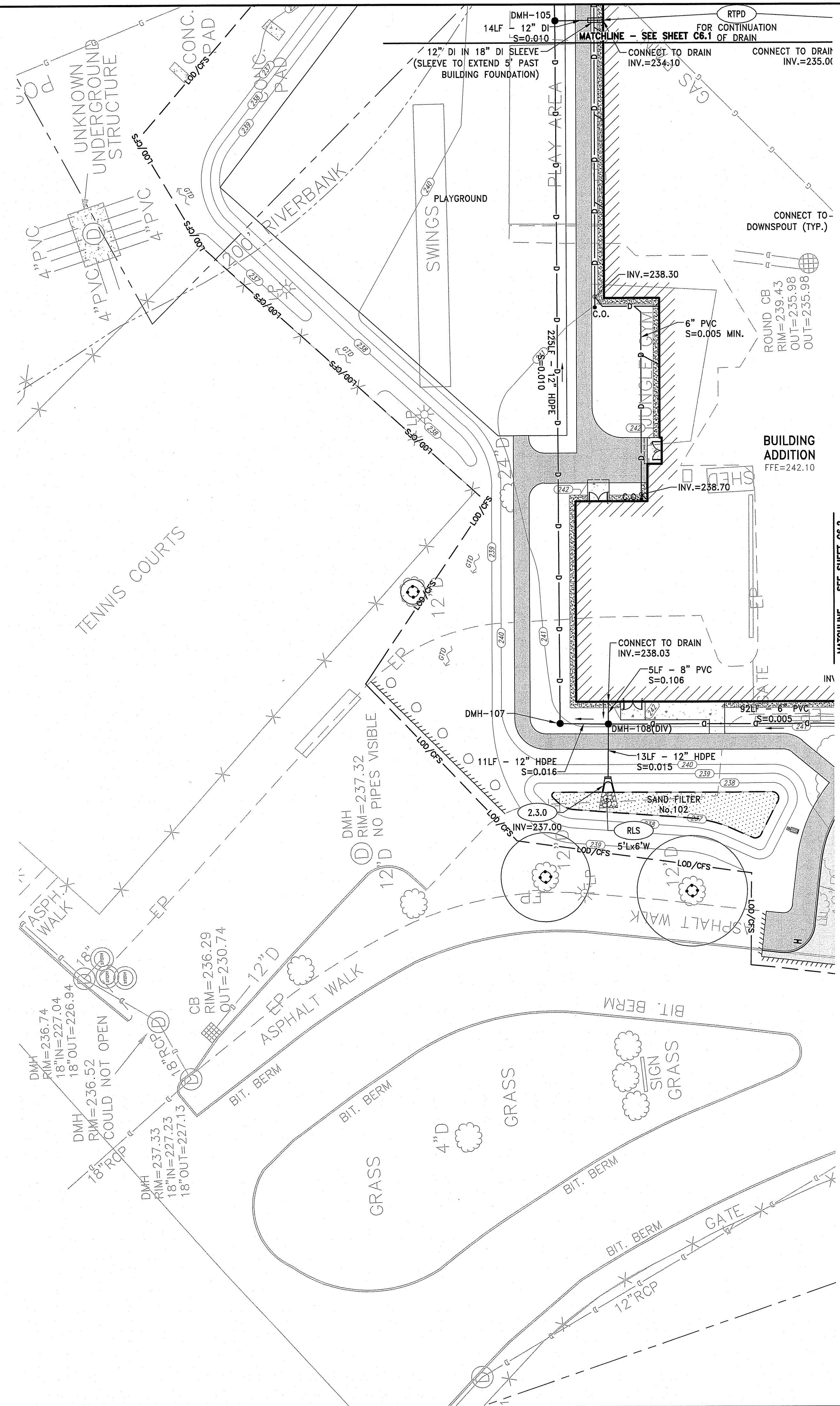
NO.	DESCRIPTION

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
OFFICE OF FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
FILE # 19-0524
DATED: MAY 21 2021
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

PROJECT NO.: 19056.00
DATE: DECEMBER 13, 2019
SCALE: 1"=20'
DESIGNED BY: VAH
CHECKED BY: DLP
DRAWN BY: AKL
APPROVED BY: DLP
DRAWING TITLE:
MCCABE
DRAINAGE & UTILITY
PLAN 1
DRAWING NO.:
C6.1
SHEET NO. 17 OF 33

DEC 19 2019
Office of Water Resources



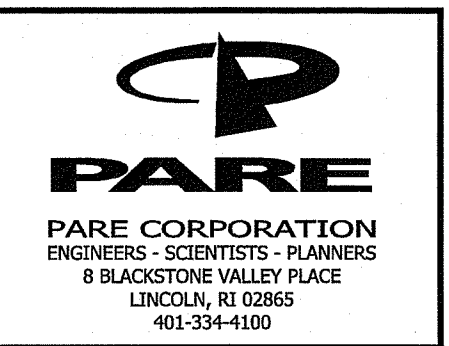


DRAIN INVERT TABLE

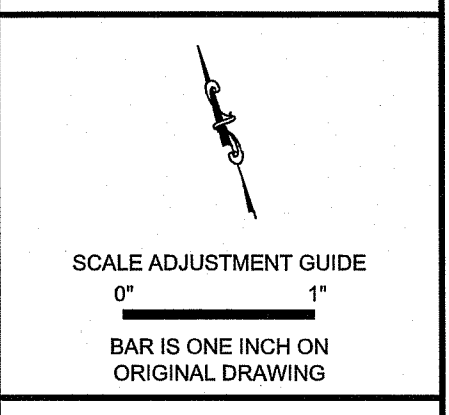
STRUCTURE	RIM (FT)	INV. IN (FT)	INV. OUT (FT)	DIA. (FT)
CB-101	235.00	231.50 W	231.50 SE	4
CB-102	236.75	232.65 W	232.55 E	4
CB-103	238.10		234.00 E	4
CB-104	237.00		233.50 N	4
CB-105	239.00		235.50 NW	4
CB-106	240.00		236.50 S	4
CB-107	238.55	234.40 SE	234.40 W	4
CB-108	239.10	234.10 E	234.00 W	4
CB-109	239.03	234.12 S	234.07 N	4
DMH-101(DIV)	234.50	231.25 NW	231.25 SE 231.25 E	5
DMH-102	239.15	232.10 W	231.00 N	4
DMH-103	238.50	232.50 SW 233.40 S	232.40 E	4
DMH-104	240.10	233.40 S	233.30 NE	4
DMH-105	240.50	233.95 E 234.50 S	233.85 N	4
DMH-106	241.05	235.15 SE	235.10 W	4
DMH-107	240.90	237.00 E	236.90 N	4
DMH-108(DIV)	241.05	237.25 N 237.25 E	237.25 SE 237.25 S	5
DMH-109	240.30	234.00 N 231.10 SE	231.10 SW	4
DMH-110	239.50	231.70 NE	231.70 NW	4
DMH-111(DIV)	239.43	237.50 N	237.40 SE 237.40 E	5
DMH-112	239.80	233.60 E 232.05 N 236.80 W	232.05 SW	4
DMH-113	240.10	234.00 E	233.25 S	4

- NOTES:**
1. ALL CATCH BASINS AND DRAIN MANHOLES SHALL BE 4' DIA. PRECAST CONCRETE UNLESS NOTED OTHERWISE.
 2. ALL DRAIN PIPES SHALL BE SMOOTH INTERIOR CORRUGATED HIGH DENSITY POLYETHYLENE UNLESS NOTED OTHERWISE.
 3. REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS III UNLESS NOTED OTHERWISE.
 4. ALL SLOPES PROVIDED ARE FT/FT.
 5. ALL CATCH BASINS AND AREA DRAINS SHALL BE INSTALLED WITH A SUMP AND OUTLET TEE PER THE DETAIL.
 6. REFER TO "CIVIL NOTES AND LEGEND" FOR ADDITIONAL NOTES.

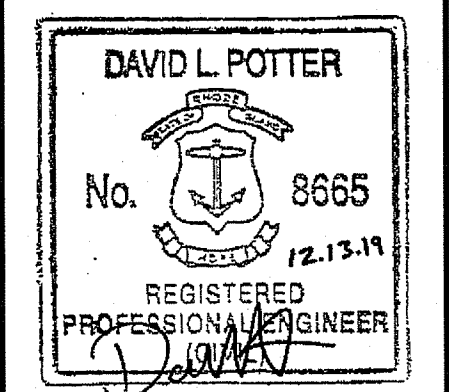
Environmental Management
DEC 19 2019
City of Smithfield, Rhode Island



OWNER/APPLICANT:
SMITHFIELD ELEMENTARY SCHOOLS
49 FARNUM PIKE
SMITHFIELD, RI 02897



Smithfield Elementary School Improvements
McCabe School
100 Pleasant View Ave
Smithfield, Rhode Island

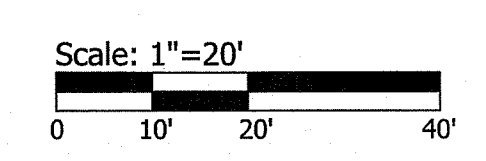


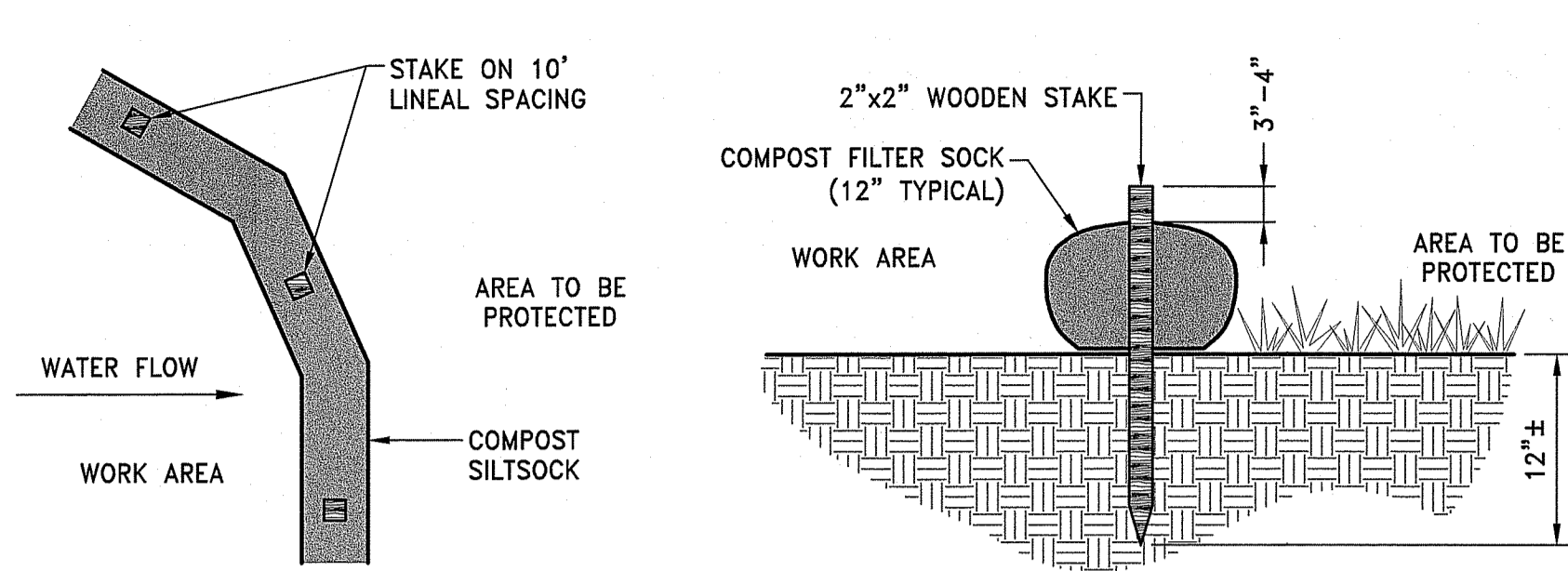
REVISIONS:

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH LETTER OF APPROVAL
AS SPECIFIED IN FILE # 19-0514
DATED MAY 21 2020
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

PROJECT NO.: 19056.00
DATE: DECEMBER 13, 2019
SCALE: 1"=20'
DESIGNED BY: VAH
CHECKED BY: DLP
DRAWN BY: AKL
APPROVED BY: DLP
DRAWING TITLE:
MCCABE
DRAINAGE & UTILITY
PLAN 3

DRAWING NO.:
C6.3
SHEET NO. 19 OF 33

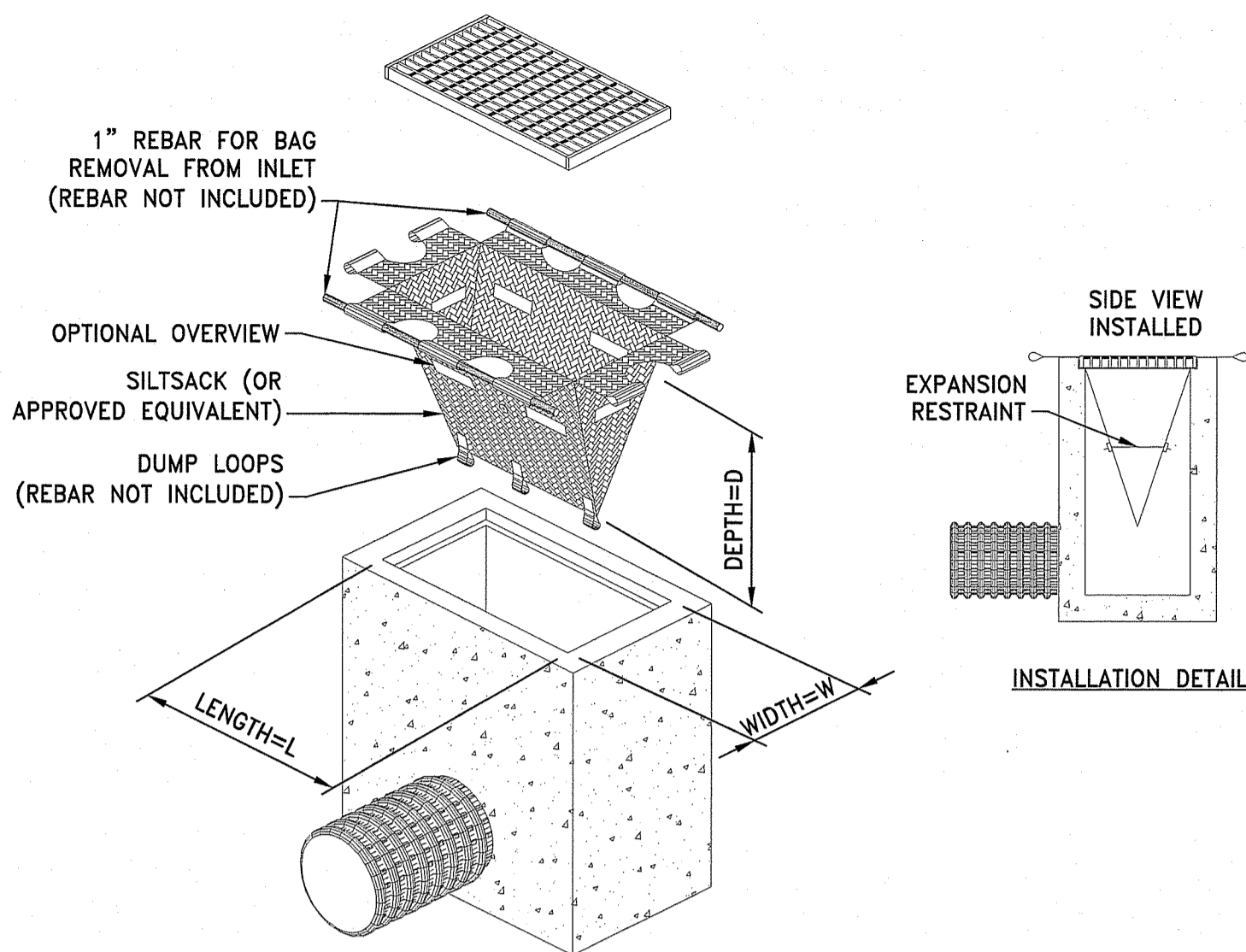




NOTES:

1. COMPOST/ SOIL/ ROCK/ SEED FILL TO MEET APPLICATION REQUIREMENTS.
2. COMPOST MATERIAL TO BE REMOVED OR DISPERSED ON SITE AS DETERMINED BY ENGINEER.
3. IF SOCK NETTING MUST BE JOINED, FIT BEGINNING OF NEW SOCK OVER END OF OLD SOCK, OVERLAPPING BY 2 FEET AND STACK OVERLAP. IF SOCK NETTING IS NOT JOINED, OVERLAP OLD SOCK WITH NEW ONE BY MINIMUM OF 2 FEET.

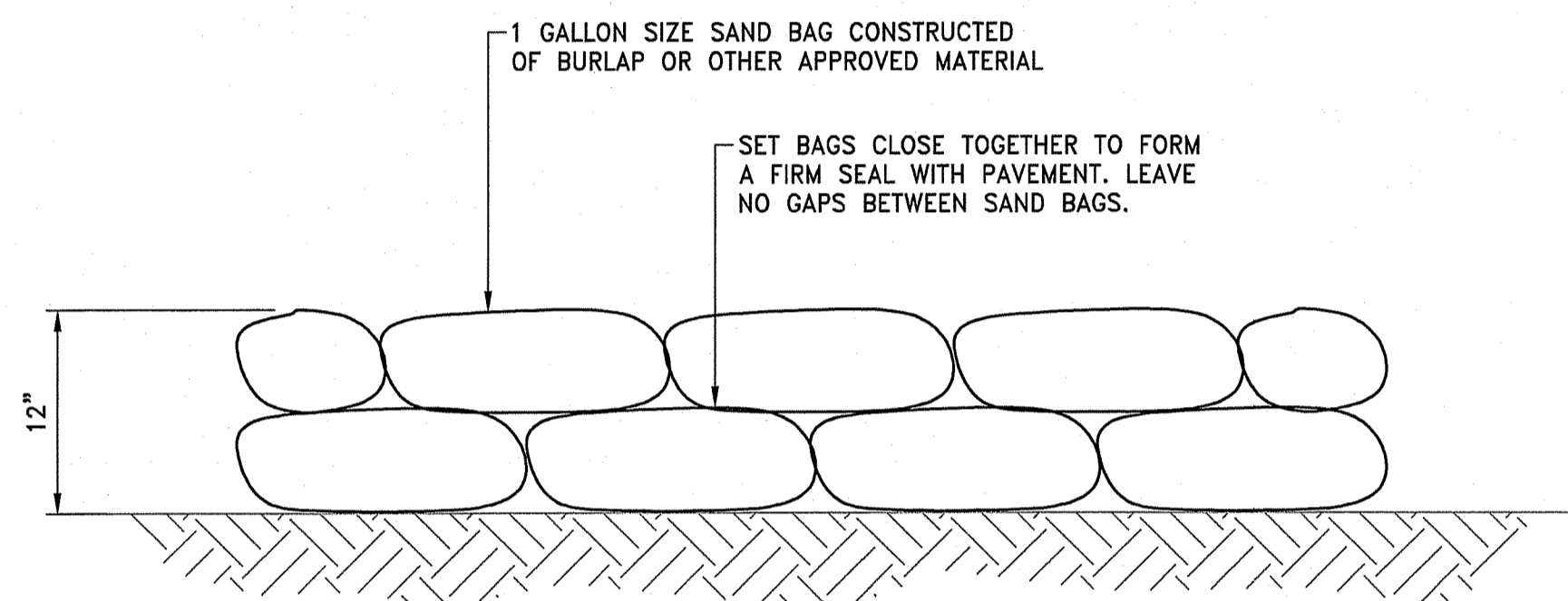
CFS COMPOST FILTER SOCK DETAIL
NOT TO SCALE



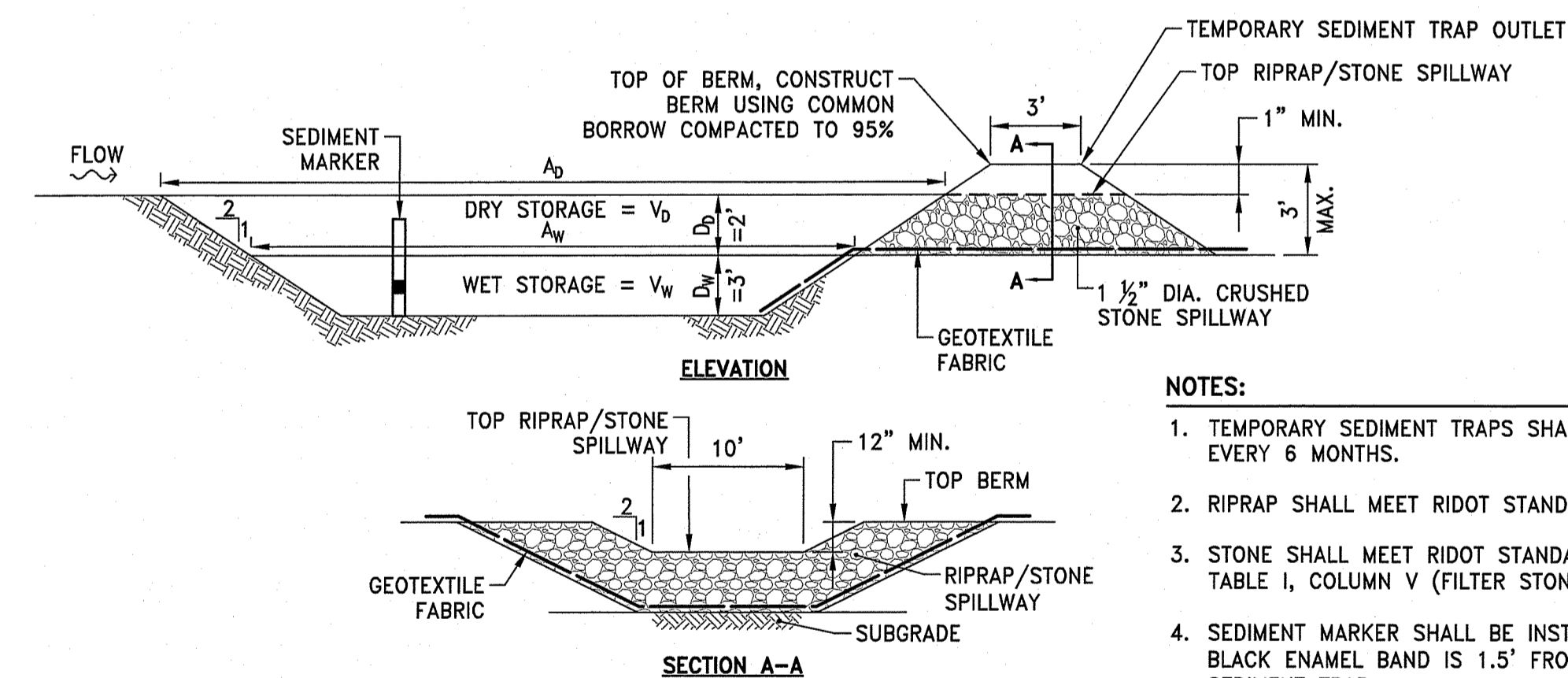
NOTES:

1. INLET PROTECTION SHALL BE CLEANED OF SILT AND DEBRIS ON A REGULAR BASIS AS REQUIRED BY PROJECT SPECIFIC SESC.
2. INSPECTIONS SHALL BE DONE AFTER EACH RAIN EVENT AND AT A MINIMUM EVERY TWO WEEKS AND AS REQUIRED BY PROJECT SPECIFIC SESC.

TIP TEMPORARY INLET PROTECTION
NOT TO SCALE



SB SAND BAG EROSION CONTROL BARRIER
NOT TO SCALE



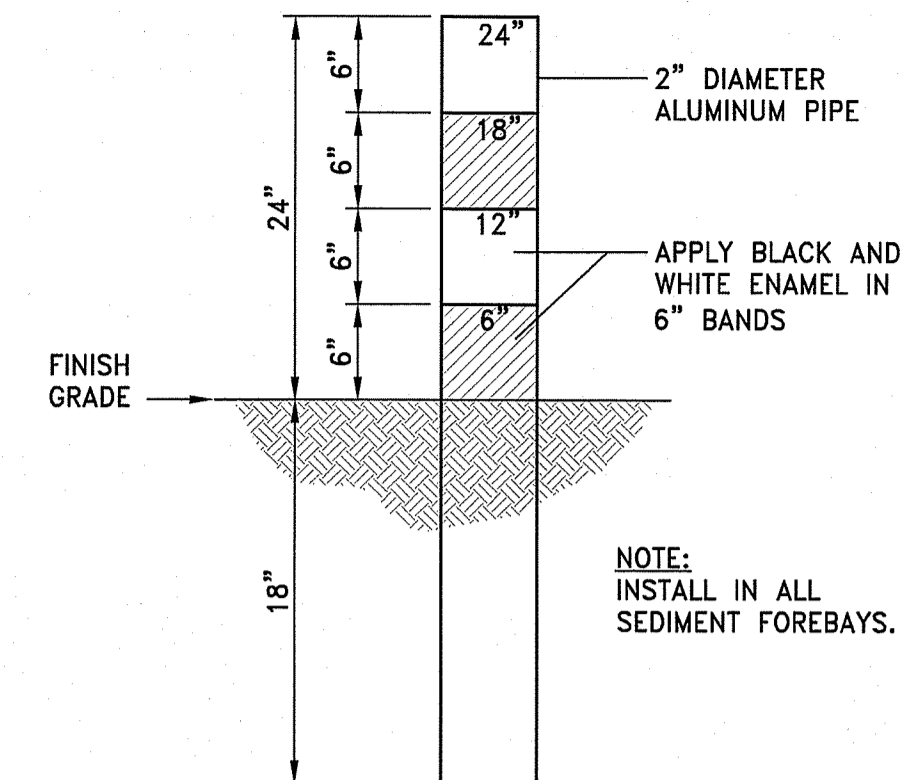
NOTES:

1. TEMPORARY SEDIMENT TRAPS SHALL BE CLEANED OR REMOVED EVERY 6 MONTHS.
2. RIPRAP SHALL MEET RIDOT STANDARD SPECIFICATION M.10.03.2.
3. STONE SHALL MEET RIDOT STANDARD SPECIFICATION M.01.09 TABLE I, COLUMN V (FILTER STONE).
4. SEDIMENT MARKER SHALL BE INSTALLED SUCH THAT TOP OF BLACK ENAMEL BAND IS 1.5' FROM THE BOTTOM OF THE SEDIMENT TRAP.
5. REFER TO SOIL EROSION AND SEDIMENT CONTROL PLANS FOR LIMITS OF A_0 AND A_w .
6. GEOTEXTILE FABRIC SHALL BE MIRAFI 140N OR APPROVED EQUIVALENT.

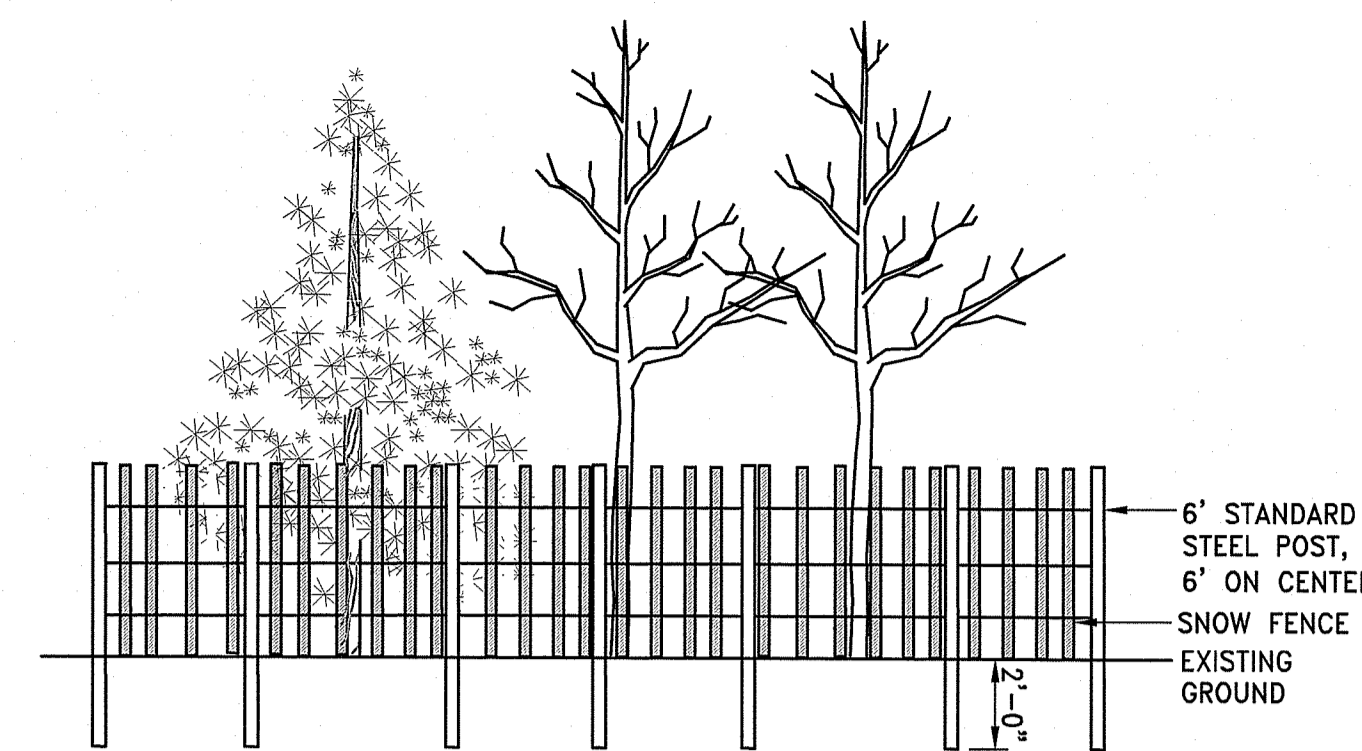
TST TEMPORARY SEDIMENT TRAP DETAIL
NOT TO SCALE

	L_w (FT)	W_w (FT)	A_w (SF)	V_w (CF)	V_0 (CF)	TOTAL STORAGE $V_w + V_0$ (CF)
TST 101	35	30	1050	2677	2376	5054
TST 102	105	15	1575	4016	3646	7662
TST 103	38	30	1140	2907	2568	5475
TST 104	42	30	1260	3213	2824	6037

MCCABE



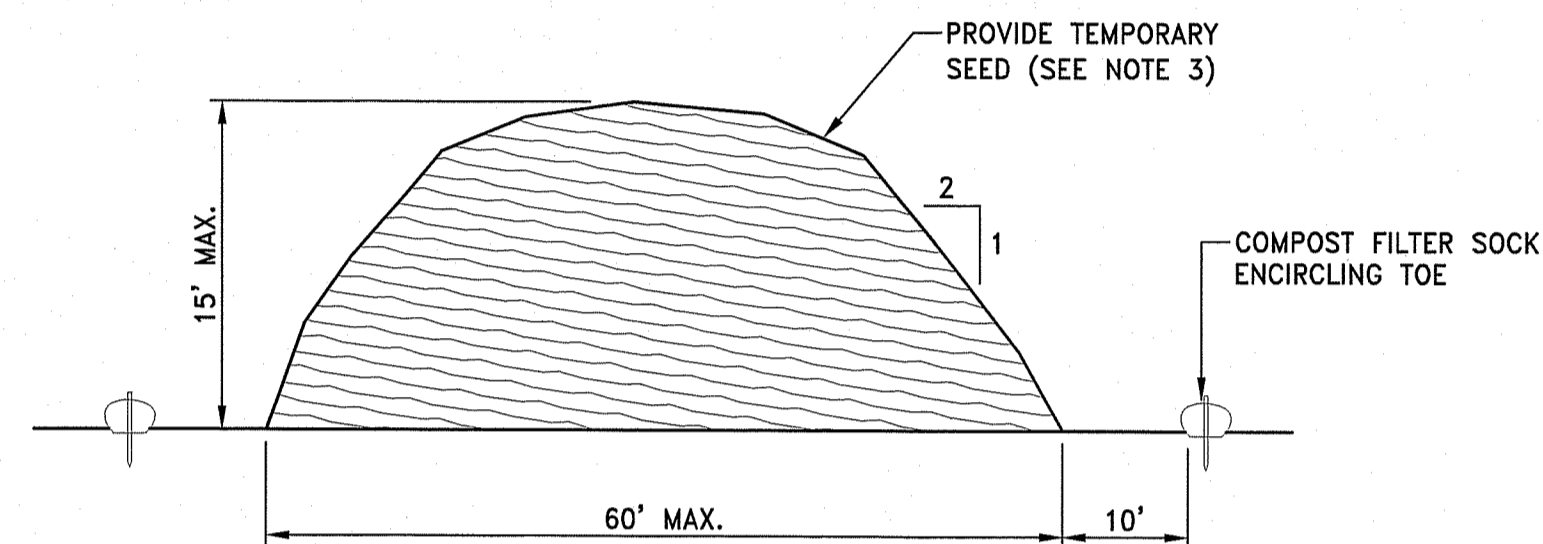
SM SEDIMENT MARKER DETAIL
NOT TO SCALE



NOTES:

1. TREE PROTECTION SHALL BE INSTALLED AT THE DRIP LINE OF THE TREES TO BE PROTECTED.

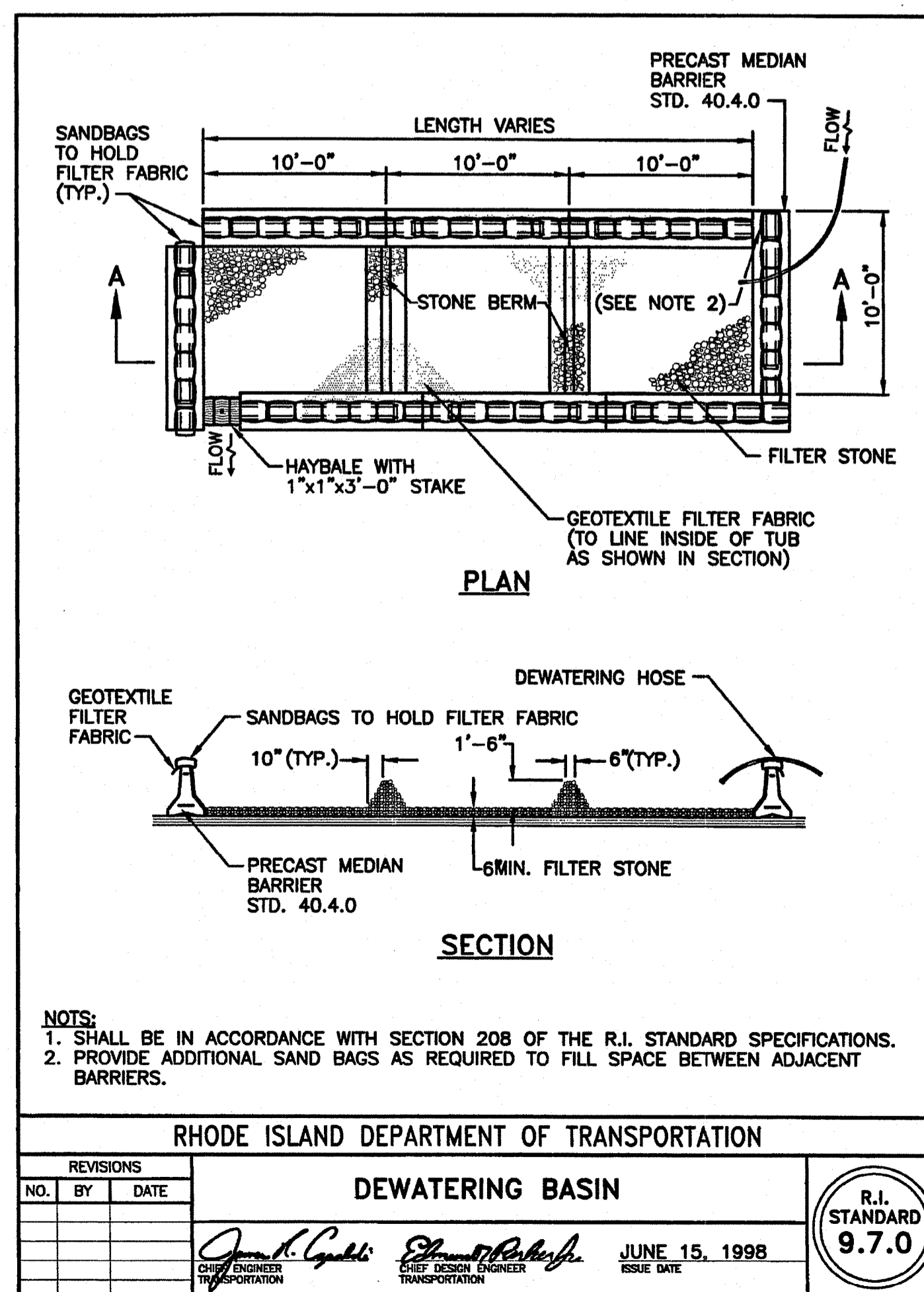
TGP TREE PROTECTION DETAIL
NOT TO SCALE



NOTES:

1. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL PREPARE A PLAN SHOWING THE PROPOSED LOCATION OF ALL STOCKPILE AREAS.
2. STOCKPILE AREA SHALL NOT EXCEED SPECIFIED DIMENSIONS WITHOUT APPROVAL FROM ENGINEER.
3. STOCKPILED ERODIBLE MATERIAL THAT WILL NOT BE USED FOR GREATER THAN 14 DAYS SHALL BE STABILIZED WITH TEMPORARY SEED IMMEDIATELY FOLLOWING PLACEMENT.

ERODIBLE MATERIAL STOCKPILE
NOT TO SCALE



RHODE ISLAND DEPARTMENT OF TRANSPORTATION

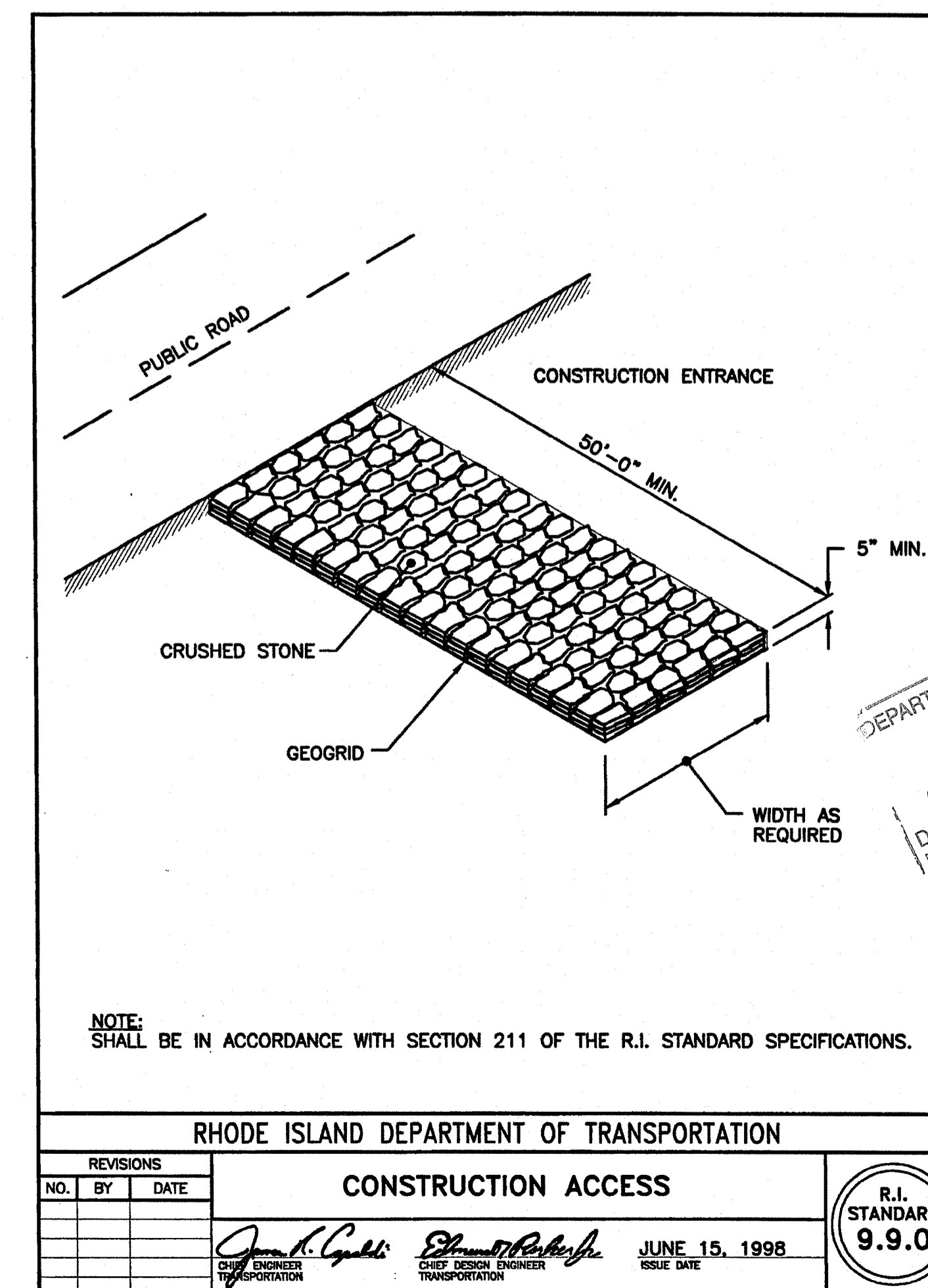
REVISIONS

NO.	BY	DATE

DEWATERING BASIN

ISSUE DATE: JUNE 15, 1998

R.I. STANDARD 9.7.0



RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS

NO.	BY	DATE

CONSTRUCTION ACCESS

ISSUE DATE: JUNE 15, 1998

R.I. STANDARD 9.9.0

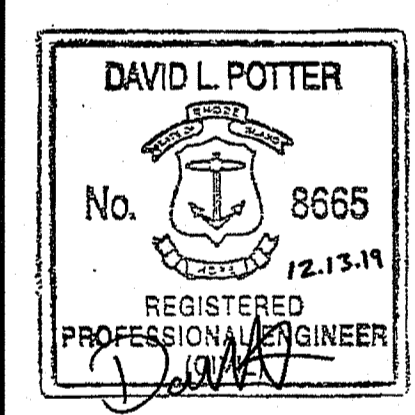
Environmental Management
DEC 19 2019
Office of Water Resources



OWNER/APPLICANT:
SMITHFIELD ELEMENTARY
SCHOOLS
49 FARNUM PIKE
SMITHFIELD, RI 02917

SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

Smithfield Elementary School Improvements
McCabe School
100 Pleasant View Ave
Smithfield, Rhode Island



REVISIONS:

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS APPROVAL
FILE # 17-0219
MAY 21 2020
AS SPECIFIED IN PERMITS APPROVAL
NO CHANGES ALLOWED WITHOUT PERMITS APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

PROJECT NO.: 19056.00
DATE: DECEMBER 13, 2019
SCALE: NOT TO SCALE
DESIGNED BY: VAH
CHECKED BY: DLP
DRAWN BY: AKL
APPROVED BY: DLP
DRAWING TITLE:

DETAILS 1

DRAWING NO.: C7.1
SHEET NO. 20 OF 33

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
PRECAST CONCRETE WHEELCHAIR RAMP TRANSITION CURB

TRANSITION LENGTH (FT.)	BATTER (IN.)
6.0	1.5
7.0	1.3
8.0	1.2
9.5	1.0
11.5	0.8
15.0	0.6
18.0	0.5

DEC 19 2019
Office of Water Resources

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. CIRCULAR CURB IS REQUIRED ON CURVES WITH RADII OF 160'-0" OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 160'-0" RADIUS.
3. EXPOSED EDGES TO HAVE A 3/4" CHAMFER.
4. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
5. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR CURB FILLER PIECES TO BE 3'-0" (GREATER LENGTHS PREFERRED).

NO.	BY	DATE
1	MLP	Mar 05

JUNE 15, 1998
ISSUE DATE

R.I. STANDARD 7.1.3

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
6'-0" PRECAST CONCRETE TRANSITION CURB

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. DRAWING SHOWS TRANSITION CURB FOR ONE DIRECTION. FOR OTHER DIRECTION USE OPPOSITE HAND AND INCLUDE A 1/2" x 4" EPOXY COATED DOWEL.
3. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
4. EXPOSED EDGES TO HAVE A 3/4" CHAMFER.

NO.	BY	DATE
1	MLP	Mar 05

JUNE 15, 1998
ISSUE DATE

R.I. STANDARD 7.1.2

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
3'-0" PRECAST CONCRETE TRANSITION CURB

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. DRAWING SHOWS TRANSITION CURB FOR ONE DIRECTION. FOR OTHER DIRECTION USE OPPOSITE HAND AND INCLUDE A 1/2" x 4" EPOXY COATED DOWEL.
3. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
4. EXPOSED EDGES TO HAVE A 3/4" CHAMFER.
5. LEFT AND RIGHT SECTIONS SHALL BE INSTALLED AS REQUIRED.

NO.	BY	DATE
1	MLP	Mar 05
2	MLP	06/01/10

JUNE 15, 1998
ISSUE DATE

R.I. STANDARD 7.1.1

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
PRECAST CONCRETE CURB

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR FILLER PIECES TO BE 3'-0".
3. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
4. CIRCULAR CURB IS REQUIRED ON CURVES WITH RADII OF 160'-0" OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 160'-0" RADIUS.
5. EXPOSED EDGES TO HAVE A 3/4" CHAMFER.

NO.	BY	DATE
1	MLP	Mar 05

JUNE 15, 1998
ISSUE DATE

R.I. STANDARD 7.1.0

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
3'-0" GRANITE TRANSITION CURB

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. TOP SURFACE TO BE DRESSED BY SAW. REMAINDER MAY BE QUARRY SPLIT.

NO.	BY	DATE
1	MLP	Mar 2005
2	MLP	Jun 2010
3	MLP	Sep 2012

JUNE 15, 1998
ISSUE DATE

R.I. STANDARD 7.3.1

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
GRANITE CURB

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. TOP SURFACE TO BE DRESSED BY SAW. REMAINDER MAY BE QUARRY SPLIT.
3. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR PIECES TO BE 3'-0".
4. CIRCULAR CURB IS REQUIRED ON CURVES WITH RADII OF 160'-0" OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 160'-0" RADIUS.

NO.	BY	DATE
1	MLP	Mar 2005
2	MLP	Sep 2012

JUNE 15, 1998
ISSUE DATE

R.I. STANDARD 7.3.0

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
PRECAST CONCRETE CAR STOPS

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. ALL EXPOSED EDGES TO HAVE A 3/4" CHAMFER.
3. ALL SURFACES TO HAVE A SPONGE FLOAT FINISH.

NO.	BY	DATE
1	MLP	Mar 05

JUNE 15, 1998
ISSUE DATE

R.I. STANDARD 7.2.4

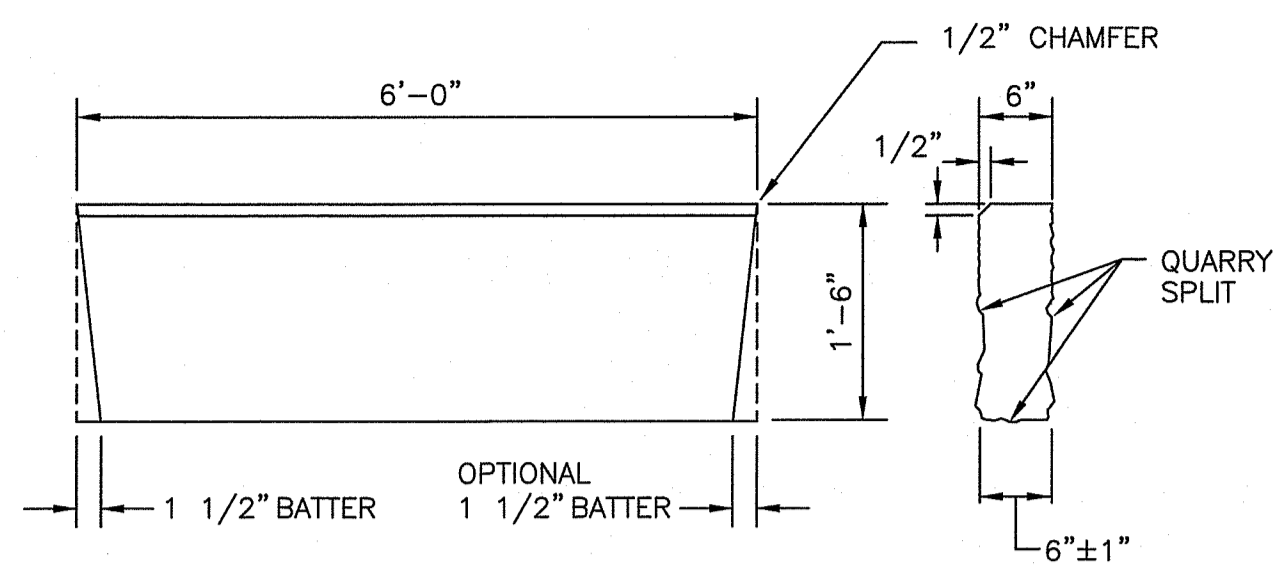
RHODE ISLAND DEPARTMENT OF TRANSPORTATION
PRECAST CONCRETE INLET STONE (FOR ROUND CATCH BASIN)

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
3. EXPOSED EDGES TO HAVE A 3/4" CHAMFER.

NO.	BY	DATE
1	MLP	Mar 05

JUNE 15, 1998
ISSUE DATE

R.I. STANDARD 7.1.6

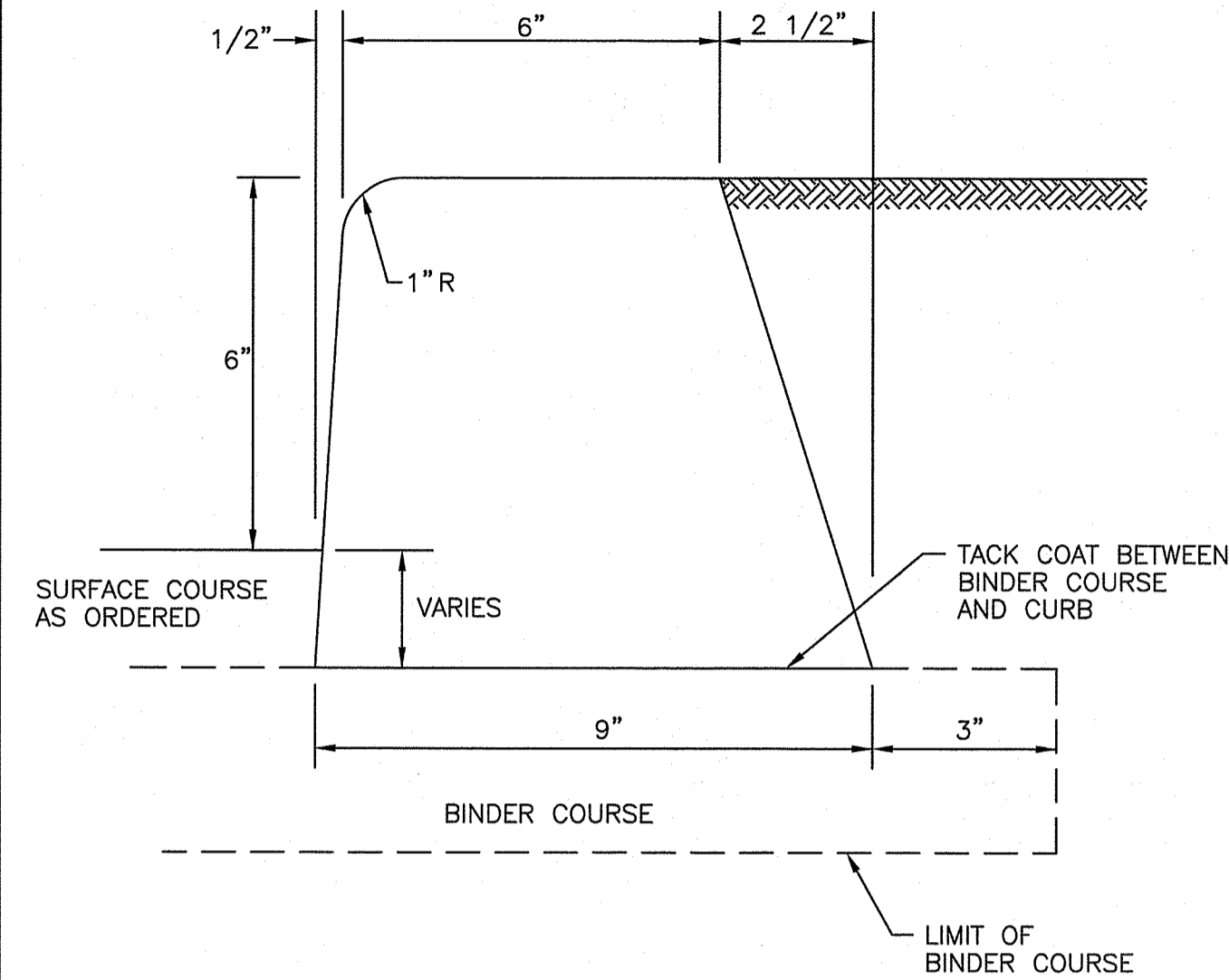


- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
 2. THE CONTRACTOR MAY CUT EXISTING CURB SECTIONS AS REQUIRED TO MEET THIS DETAIL AND THE R.I. STANDARD SPECIFICATIONS, WHERE OLD CURBING IS BEING REDUCED.
 3. TOP SURFACE TO BE DRESSED BY SAW. REMAINDER MAY BE QUARRY SPLIT.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		6'-0" GRANITE TRANSITION CURB		R.I. STANDARD 7.3.2	
NO.	BY	DATE			
1	MLP	Mar 2005			
2	MLP	Sep 2012			

Chief Engineer: *James H. Capaldi*
 Chief Design Engineer: *Edward R. Pollock*
 TRANSPORTATION TRANSPORTATION
 JUNE 15, 1998
 ISSUE DATE

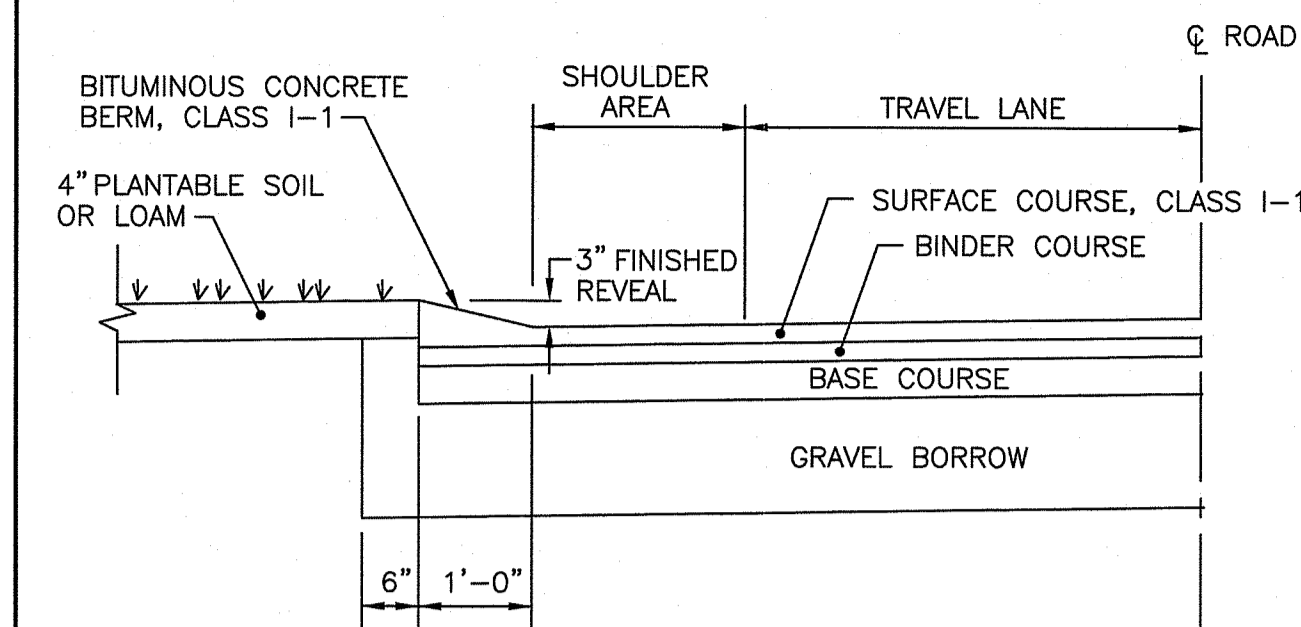


- NOTE:
- SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		BITUMINOUS CONCRETE LIP CURB		R.I. STANDARD 7.5.0	
NO.	BY	DATE			
1	MLP	Mar 05			

Chief Engineer: *James H. Capaldi*
 Chief Design Engineer: *Edward R. Pollock*
 TRANSPORTATION TRANSPORTATION
 JUNE 15, 1998
 ISSUE DATE

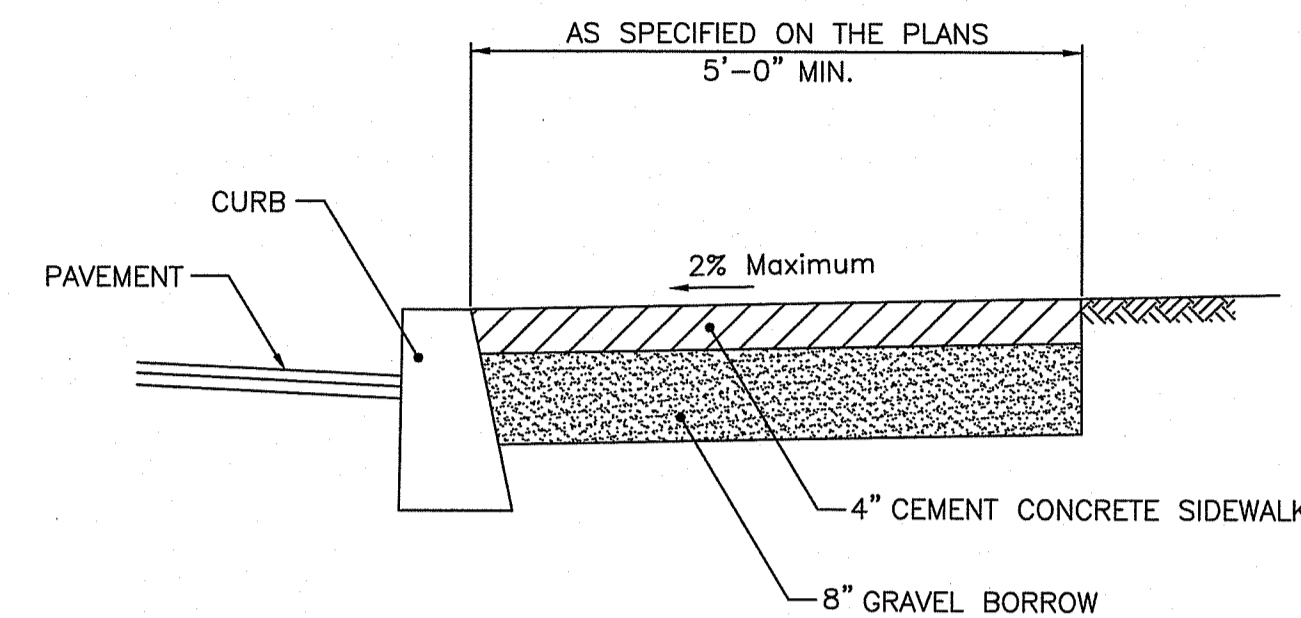


- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
 2. BITUMINOUS BERM CAN BE PLACED AT THE SAME TIME THAT THE SURFACE COURSE LAYER IS PLACED ON THE PROJECT ROADWAY, OR IT CAN BE INSTALLED IN A SEPARATE OPERATION.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		BITUMINOUS BERM		R.I. STANDARD 7.5.1	
NO.	BY	DATE			
1	MLP	Mar 05			

Chief Engineer: *James H. Capaldi*
 Chief Design Engineer: *Edward R. Pollock*
 TRANSPORTATION TRANSPORTATION
 JUNE 15, 1998
 ISSUE DATE

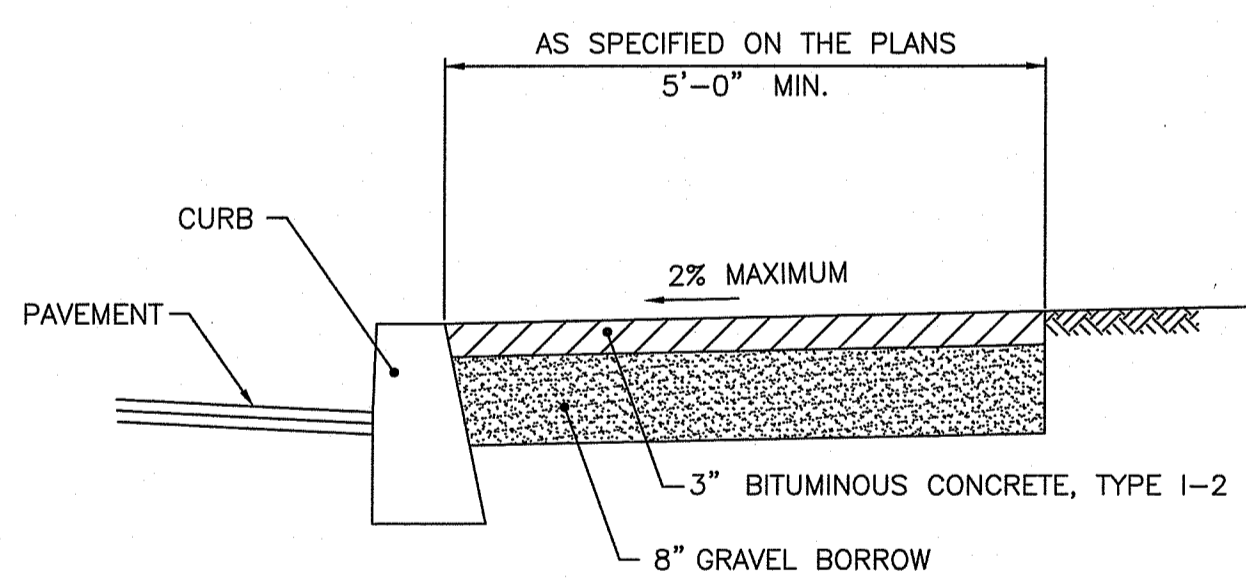


- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
 2. FOR CURB SETTING DETAIL REFERENCE STD. 7.6.0.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		CEMENT CONCRETE SIDEWALK		R.I. STANDARD 43.1.0	
NO.	BY	DATE			
1	MLP	3/1/05			
2	MLP	06/01/10			

Chief Engineer: *James H. Capaldi*
 Chief Design Engineer: *Edward R. Pollock*
 TRANSPORTATION TRANSPORTATION
 JUNE 15, 1998
 ISSUE DATE

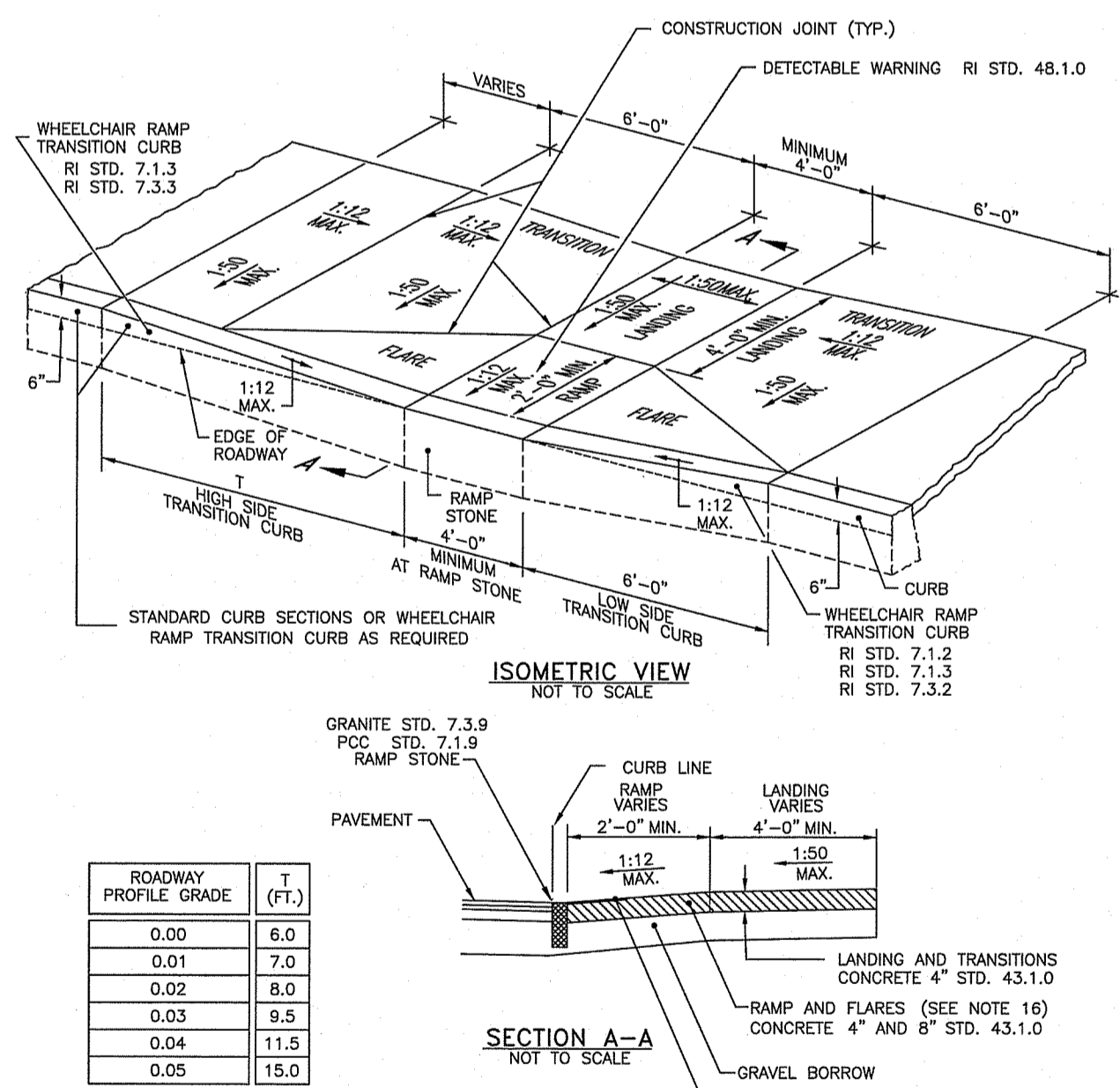


- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
 2. FOR CURB SETTING DETAIL REFERENCE STD. 7.6.0.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		BITUMINOUS CONCRETE SIDEWALK		R.I. STANDARD 43.2.0	
NO.	BY	DATE			
1	MLP	3/1/05			
2	MLP	06/01/10			

Chief Engineer: *James H. Capaldi*
 Chief Design Engineer: *Edward R. Pollock*
 TRANSPORTATION TRANSPORTATION
 JUNE 15, 1998
 ISSUE DATE



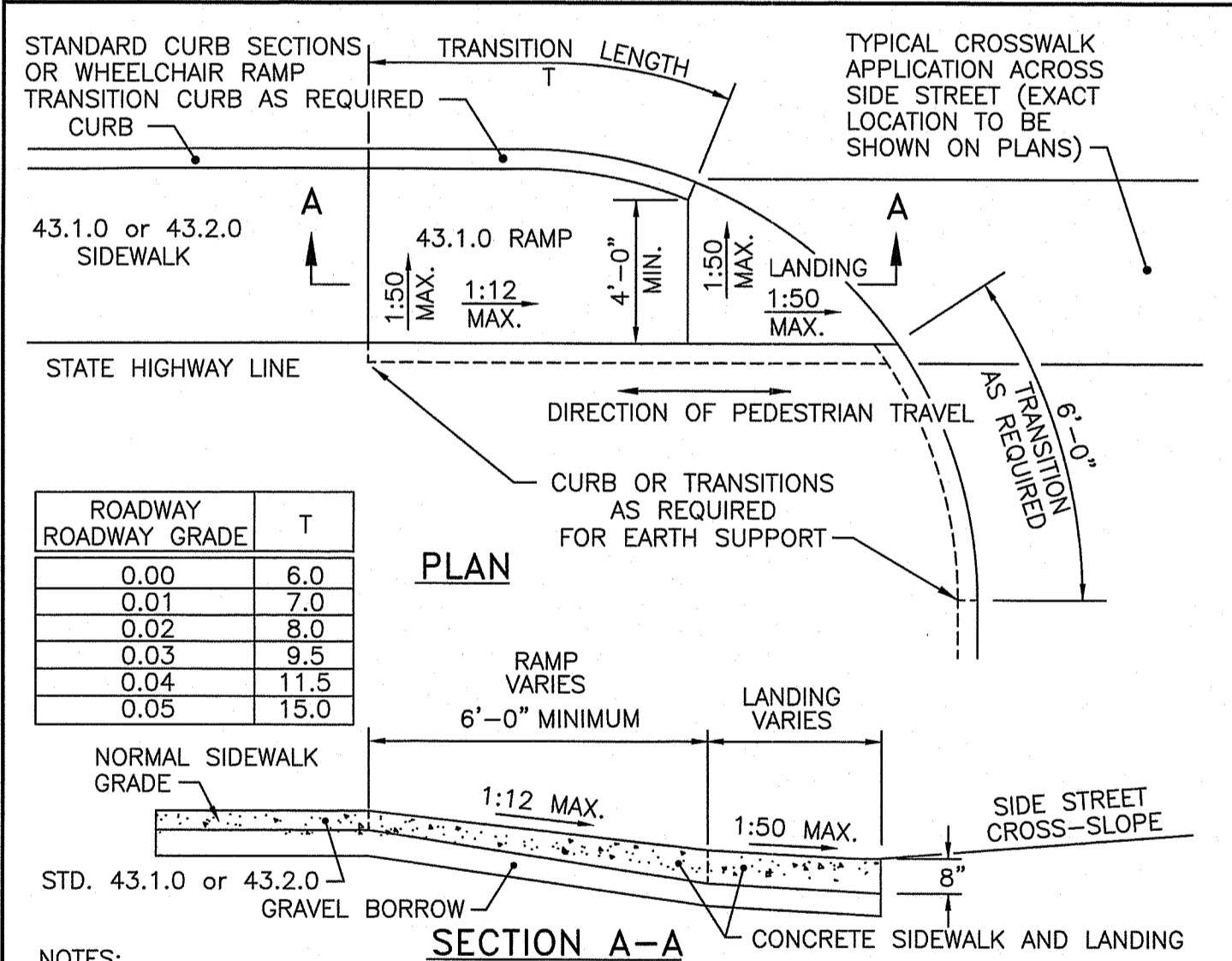
- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
 2. WHEN ANY OBSTRUCTION LOCATED IN THE SIDEWALK FALLS WITHIN A CROSSWALK AREA, THE WHEELCHAIR RAMP SHALL BE PLACED SUCH THAT THE OBSTRUCTION FALLS OUTSIDE OF THE RAMP.
 3. AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP TO BE LOCATED OUTSIDE OF THE CROSSWALK, AND IT IS TO BE CENTERED WHENEVER POSSIBLE.
 4. DRAINAGE FACILITIES ARE TO BE LOCATED UP-GRADE OF ALL WHEELCHAIR RAMPS.
 5. LOCATION OF WHEELCHAIR RAMPS IS AS SHOWN ON CONTRACT DRAWINGS.
 6. IN NO INSTANCE SHALL THE SIDEWALK CROSS SLOPE EXCEED 1:50 EXCEPT WITHIN THE RAMP AREA.
 7. AN UNOBSTRUCTED PATH OF TRAVEL WITH A MINIMUM WIDTH OF 4'-0" SHALL BE MAINTAINED.
 8. THE WHEELCHAIR RAMP SLOPE AND SIDE SLOPES (TRANSITIONS), MUST NOT BE STEEPER THAN 1:12. HOWEVER, THESE SLOPES MAY BE FLATTER THAN 1:12 WHEN WARRANTED BY SURROUNDING CONDITIONS.
 9. WHERE THE ROAD PROFILE EXCEEDS 2% OF THE HIGH SIDE TRANSITION LENGTH (T) SHALL BE EIGHTEEN FEET (18'-0").
 10. IN NO CASE, WHERE A STOP LINE IS WARRANTED, SHALL A RAMP BE PLACED BEHIND THE STOP LINE.
 11. THE ENTRANCE OF THE WHEELCHAIR RAMP SHALL BE FLUSH WITH THE ROADWAY.
 12. THE WHEELCHAIR RAMP SHALL BE CENTERED RADIIALLY, OPPOSITE THE RADIUS POINT WHEN POSSIBLE.
 13. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR FILLER PIECES TO BE 3'-0" (GREATER LENGTHS PREFERRED).
 14. ALL REQUIRED CUTTING OF CURB PIECES TO BE PAID FOR UNDER COST OF CURB.
 15. DETECTABLE WARNINGS TO BE PAID FOR UNDER SECTION 942 OF THE R.I. STANDARD SPECIFICATIONS.
 16. 8" CONCRETE DEPTH FOR CURBS WHEELCHAIR RAMPS ONLY. USE 4" DEPTH FOR TANGENT (MID-BLOCK) LOCATIONS.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		WHEELCHAIR RAMP		R.I. STANDARD 43.3.0	
NO.	BY	DATE			
1	MLP	Dec 2005			
2	MLP	Sep 2012			

Chief Engineer: *James H. Capaldi*
 Chief Design Engineer: *Edward R. Pollock*
 TRANSPORTATION TRANSPORTATION
 JUNE 15, 1998
 ISSUE DATE

- NOTES:
1. FOR ALL LOCATIONS WITHIN THE PROPERTY LIMITS, DETECTABLE WARNING PAVERS SHALL BE INSTALLED. PLASTIC PANEL WILL NOT BE ACCEPTED.
 2. FOR ALL LOCATIONS WITHIN THE STATE RIGHT OF WAY, CAST IRON DETECTABLE WARNING PANELS SHALL BE INSTALLED.



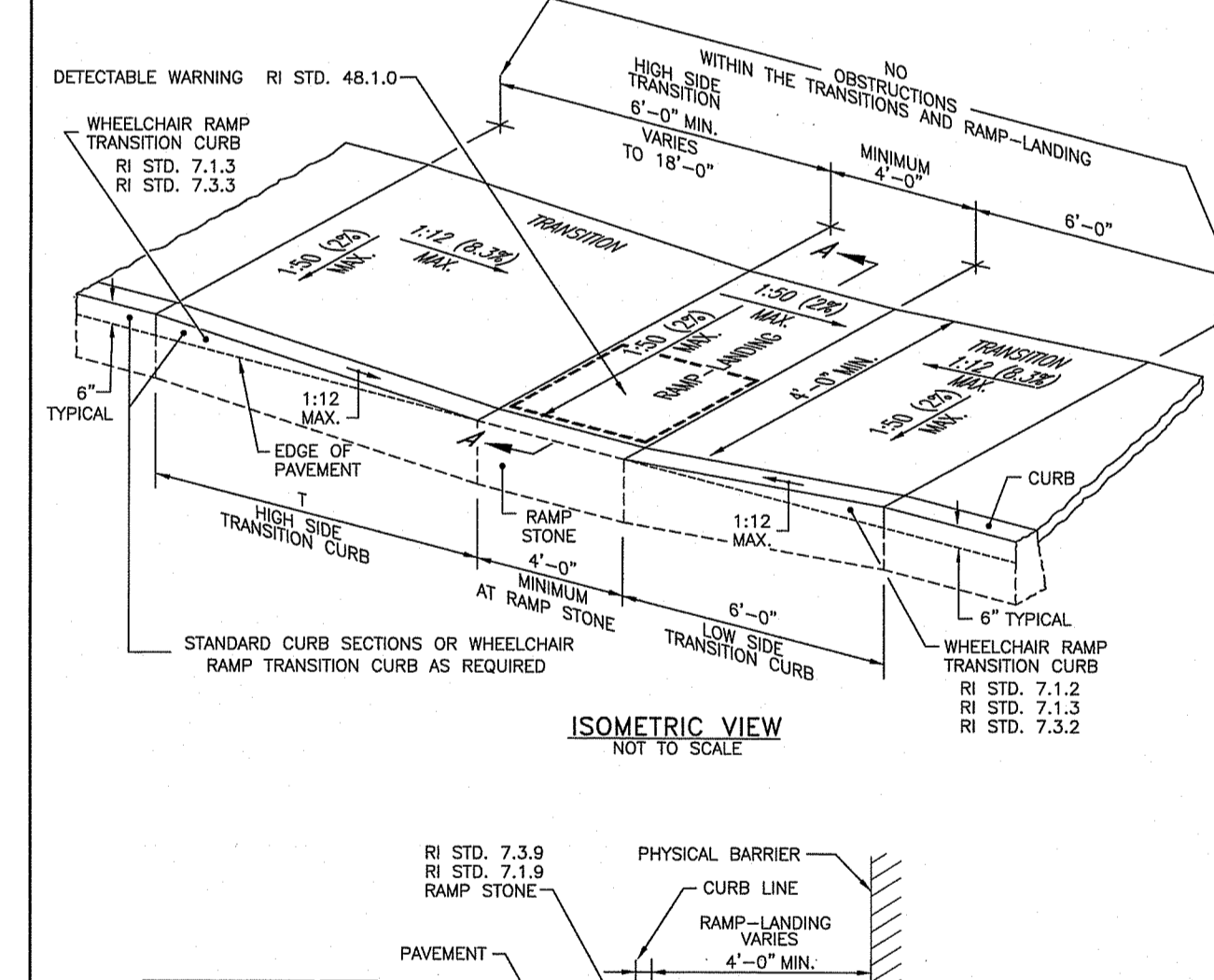
- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
 2. THIS DETAIL IS TO BE USED ONLY WHEN STATE RIGHT-OF-WAY IS LIMITED TO BACK OF SIDEWALK, AND SIDEWALK IS NARROW WITH NO PEDESTRIAN TRAFFIC FROM SIDE STREET.
 3. WHEN ANY OBSTRUCTION LOCATED IN THE SIDEWALK FALLS WITHIN A CROSSWALK AREA, IF POSSIBLE, THE OBSTRUCTION SHALL BE PLACED SUCH THAT IT FALLS OUTSIDE OF THE RAMP.
 4. AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP TO BE LOCATED OUTSIDE OF THE CROSSWALK, AND IT IS TO BE CENTERED WHENEVER POSSIBLE.
 5. DRAINAGE FACILITIES ARE TO BE LOCATED UP-GRADE OF ALL WHEELCHAIR RAMPS.
 6. LOCATION OF WHEELCHAIR RAMPS IS AS SHOWN ON CONTRACT DRAWINGS.
 7. ALL REQUIRED CUTTING OF CURB PIECES TO BE PAID FOR UNDER COST OF CURB.
 8. WHERE THE ROAD PROFILE EXCEEDS 5% THE TRANSITION LENGTH (T) SHALL BE EIGHTEEN FEET (18'-0").
 9. THE ENTRANCE OF THE WHEELCHAIR RAMP SHALL BE FLUSH WITH THE ROADWAY.
 10. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR FILLER PIECES TO BE 3'-0" (GREATER LENGTHS PREFERRED).
 11. AN UNOBSTRUCTED PATH OF TRAVEL WITH A MINIMUM WIDTH OF 4'-0" SHALL BE MAINTAINED.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		WHEELCHAIR RAMP FOR LIMITED RIGHT-OF-WAY AREAS		R.I. STANDARD 43.3.1	
NO.	BY	DATE			
1	MLP	Dec 2005			
2	MLP	Sep 2012			

Chief Engineer: *James H. Capaldi*
 Chief Design Engineer: *Edward R. Pollock*
 TRANSPORTATION TRANSPORTATION
 JUNE 15, 1998
 ISSUE DATE

- NOTES:
1. FOR ALL LOCATIONS WITHIN THE PROPERTY LIMITS, DETECTABLE WARNING PAVERS SHALL BE INSTALLED. PLASTIC PANEL WILL NOT BE ACCEPTED.
 2. FOR ALL LOCATIONS WITHIN THE STATE RIGHT OF WAY, CAST IRON DETECTABLE WARNING PANELS SHALL BE INSTALLED.



- NOTES:
1. THIS DETAIL MAY BE USED WHEN A PHYSICAL BARRIER IS PRESENT AND THERE IS INSUFFICIENT ROOM TO PROPERLY CONSTRUCT AN ADA ACCESSIBLE RAMP AND LANDING. A TECHNICAL INFEASIBILITY FINDING IS REQUIRED.
 2. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
 3. THE RAMP-LANDINGS AND TRANSITIONS SHALL BE FREE OF OBSTRUCTIONS.
 4. LOCATION OF THE RAMP-LANDING IS AS SHOWN ON CONTRACT DRAWINGS.
 5. AN UNOBSTRUCTED PEDESTRIAN ACCESS ROUTE (PATH OF TRAVEL) WITH A MINIMUM WIDTH OF 4'-0" SHALL BE MAINTAINED.
 6. THE ENTRANCE OF THE RAMP-LANDING SHALL BE FLUSH WITH THE PAVEMENT.
 7. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR FILLER PIECES TO BE 3'-0" (GREATER LENGTHS PREFERRED).
 8. ALL REQUIRED CUTTING OF CURB PIECES TO BE PAID FOR UNDER COST OF CURB.
 9. DETECTABLE WARNINGS TO BE PAID FOR UNDER SECTION 942 OF THE R.I. STANDARD SPECIFICATIONS.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		RAMP-LANDING FOR NARROW SIDEWALK		R.I. STANDARD 43.3.2	
NO.	BY	DATE			
1	MLP	Mar 31, 2015			

Chief Engineer: *James H. Capaldi*
 Chief Design Engineer: *Edward R. Pollock*
 TRANSPORTATION TRANSPORTATION
 MARCH 31, 2015
 ISSUE DATE

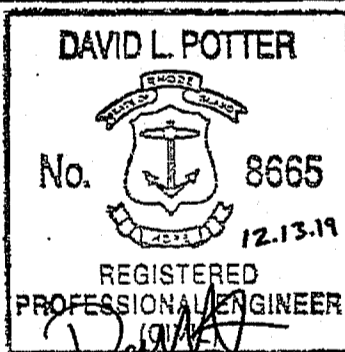
- NOTES:
1. FOR ALL LOCATIONS WITHIN THE PROPERTY LIMITS, DETECTABLE WARNING PAVERS SHALL BE INSTALLED. PLASTIC PANEL WILL NOT BE ACCEPTED.
 2. FOR ALL LOCATIONS WITHIN THE STATE RIGHT OF WAY, CAST IRON DETECTABLE WARNING PANELS SHALL BE INSTALLED.



OWNER/APPLICANT:
SMITHFIELD ELEMENTARY SCHOOLS
49 FARNUM PIKE
SMITHFIELD, RI 02917

SCALE ADJUSTMENT GUIDE
0" = 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

Smithfield Elementary School Improvements
McCabe School
100 Pleasant View Ave
Smithfield, Rhode Island



REVISIONS:

PROJECT NO.: 19056.00

DATE: DECEMBER 13, 2019

SCALE: NOT TO SCALE

DESIGNED BY: VAH

CHECKED BY: DLP

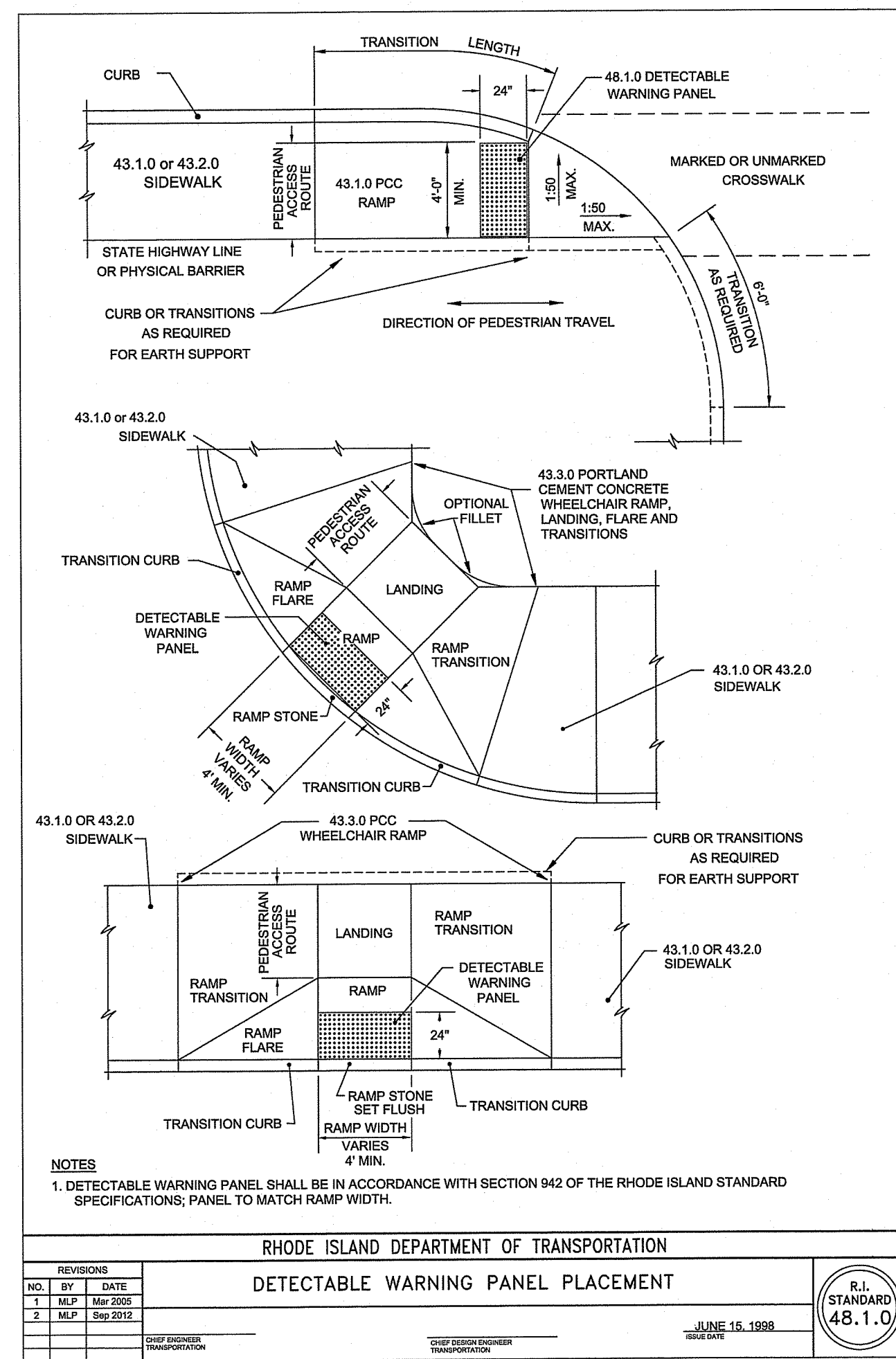
DRAWN BY: AKL

APPROVED BY: DLP

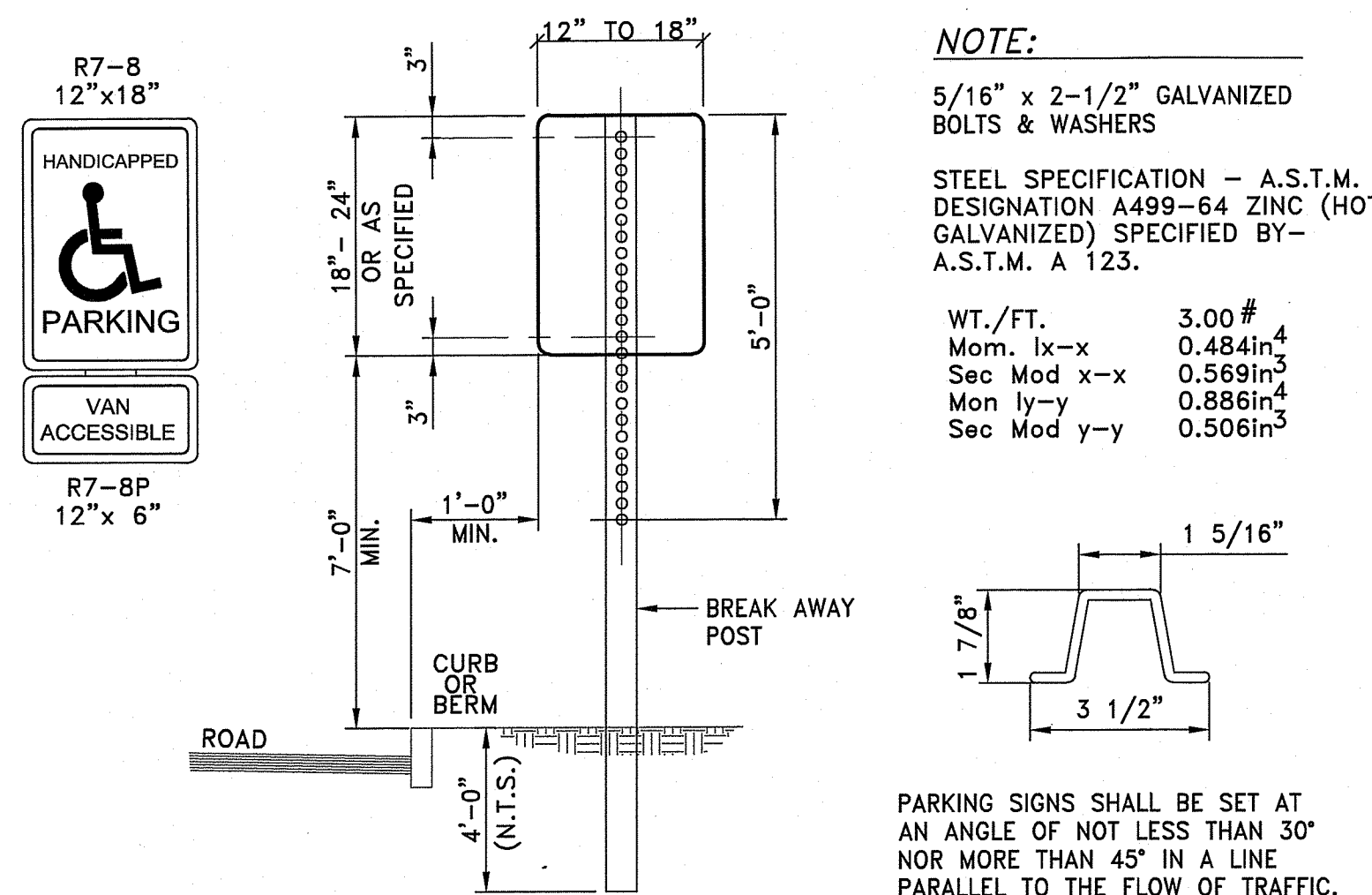
DRAWING TITLE: DETAILS 3

DRAWING NO.: C7.3

SHEET NO. 22 OF 33

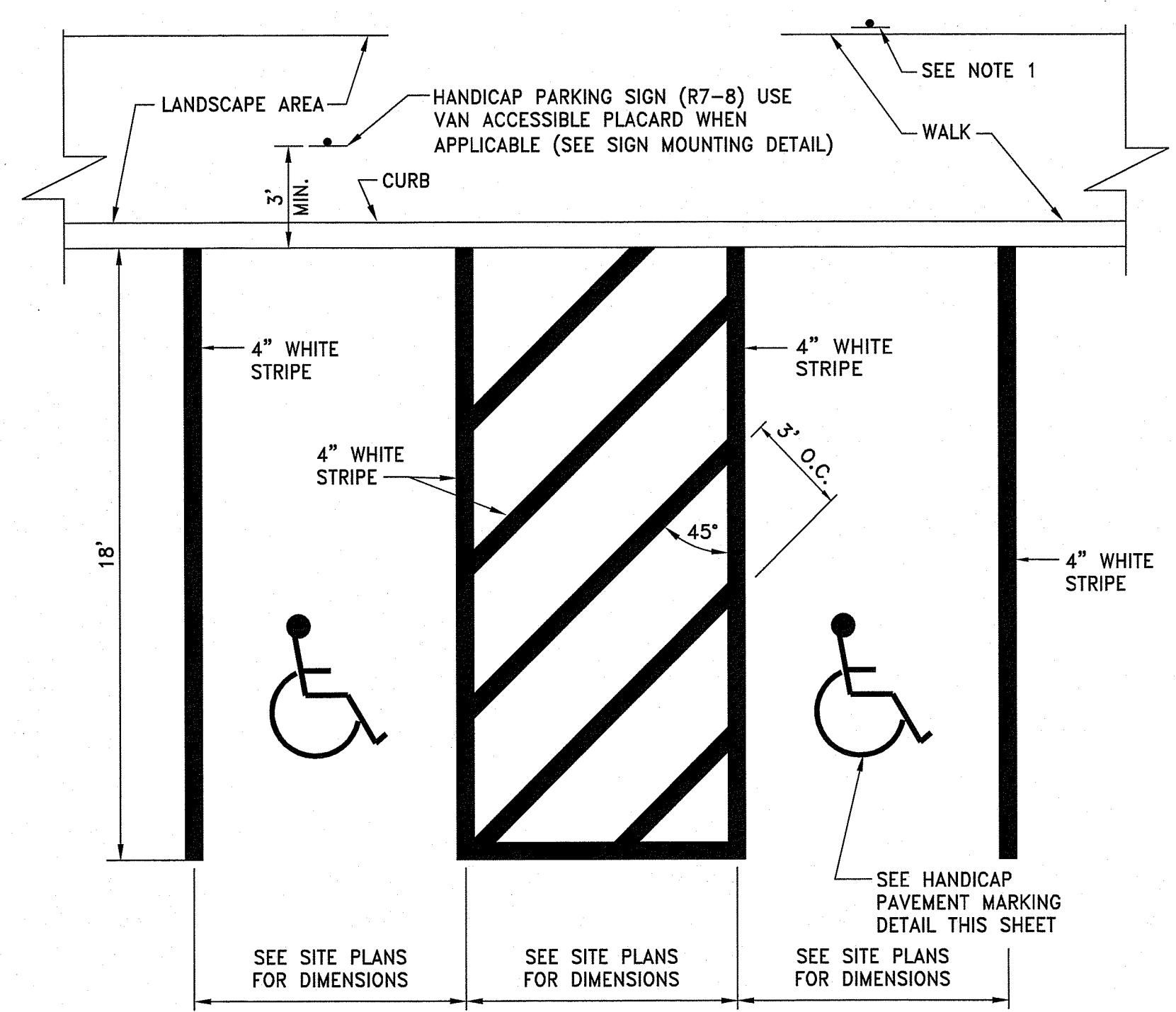


- NOTES:
 1. FOR ALL LOCATIONS WITHIN THE PROPERTY LIMITS, DETECTABLE WARNING PAVERS SHALL BE INSTALLED. PLASTIC PANEL WILL NOT BE ACCEPTED.
 2. FOR ALL LOCATIONS WITHIN THE STATE RIGHT OF WAY, CAST IRON DETECTABLE WARNING PANELS SHALL BE INSTALLED.

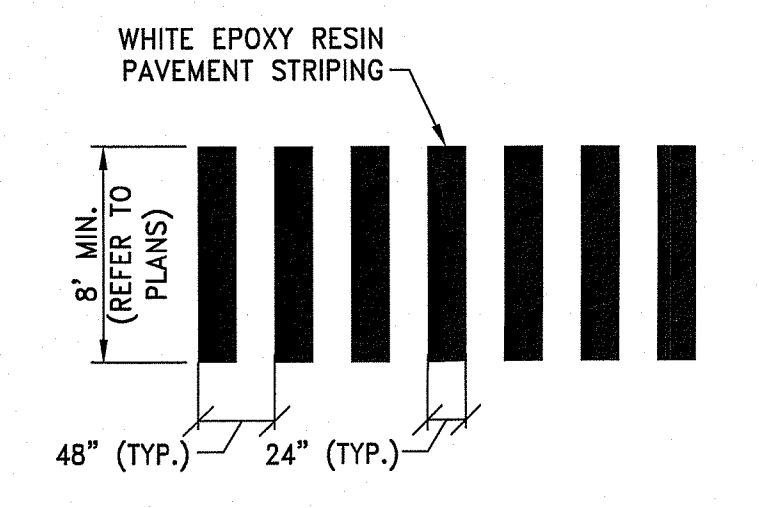


- NOTES:
 1. ALL LAG SCREWS, BOLTS AND WASHERS SHALL BE GALVANIZED 5/16"x2 1/2" LONG UNLESS OTHERWISE NOTED.
 2. WASHERS SHALL BE 0.07" THICK.
 3. ALL SIGN COLORS, RADII AND BORDERS AS SPECIFIED IN "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
 4. SHALL BE IN ACCORDANCE WITH SECTION T.15 OF THE STANDARD SPECIFICATIONS.
 5. PARKING SIGNS SHALL BE SET AT AN ANGLE OF NOT LESS THAN 30° NOT MORE THAN 45° WITH A LINE PARALLEL TO FLOW OF TRAFFIC, 1'-6" (1'-0" MIN.) FROM THE EDGE OF CURB FACE.
 6. ALL HANDICAP PARKING AND SIGNAGE SHALL BE IN CONFORMANCE WITH THE RULES & REGULATIONS AS SPECIFIED BY THE AMERICAN DISABILITIES ACT (ADA).
 7. SIGN(S) SHALL BE LOCATED SO THEY CANNOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.
 8. FOR HANDICAPPED VAN SPACE USE SIGN AS DETAILED.
 9. FOR HANDICAPPED SPACE FOR AUTOMOBILES USE ONLY HANDICAPPED PARKING SIGN.

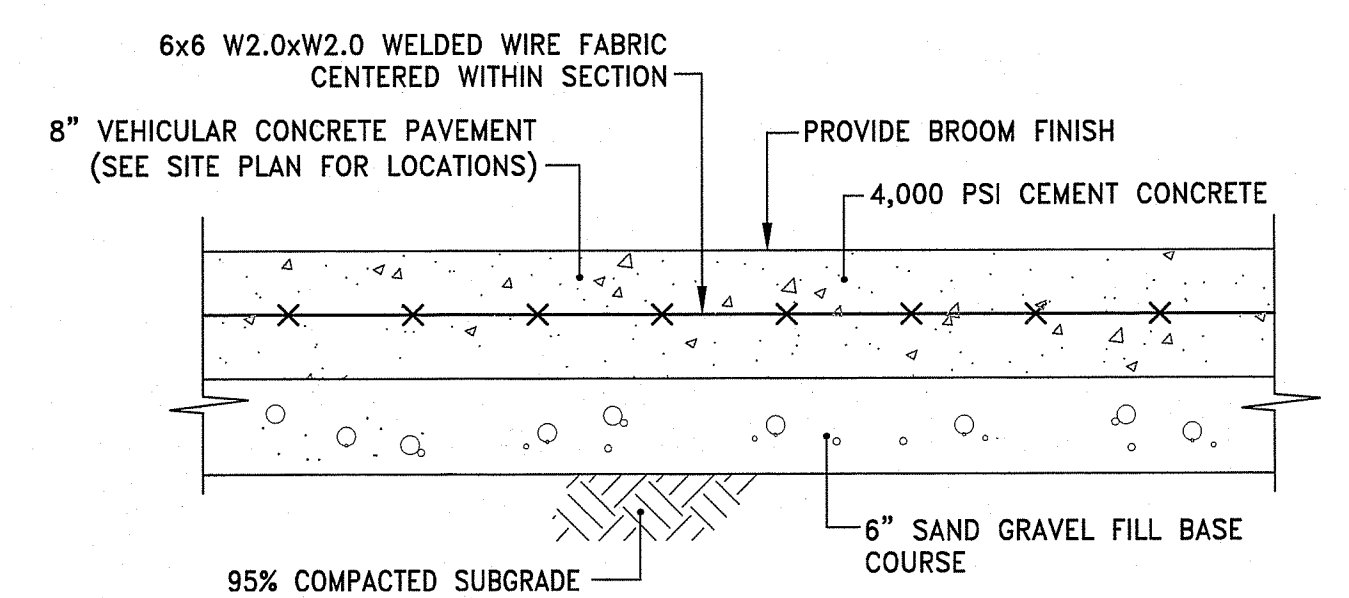
ACCESSIBLE SIGN MOUNTING
NOT TO SCALE



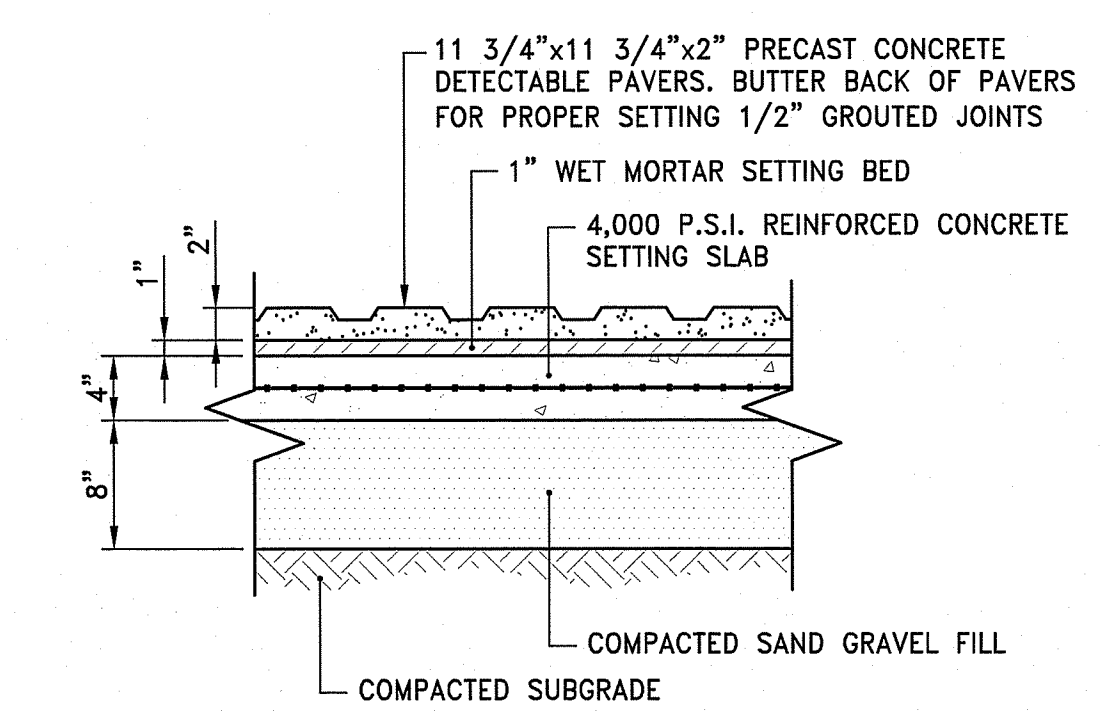
- NOTE:
 1. WHERE STALLS ABUT SIDEWALK, PARKING SIGNS SHOULD BE PLACED AT BACK EDGE OF SIDEWALK, UNLESS NOTED OTHERWISE.
 2. ALL PAVEMENT MARKINGS TO BE EPOXY RESIN.
- HANDICAP PARKING STALLS @ 90°**
NOT TO SCALE



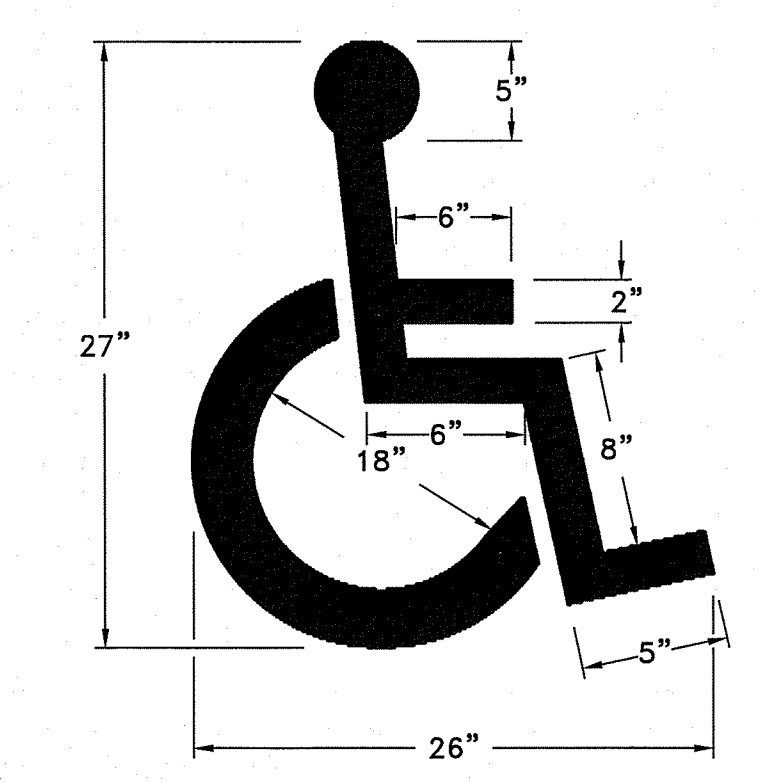
CW TYPICAL CROSSWALK DETAIL
NOT TO SCALE



VCP VEHICULAR CONCRETE PAVEMENT DETAIL
NOT TO SCALE

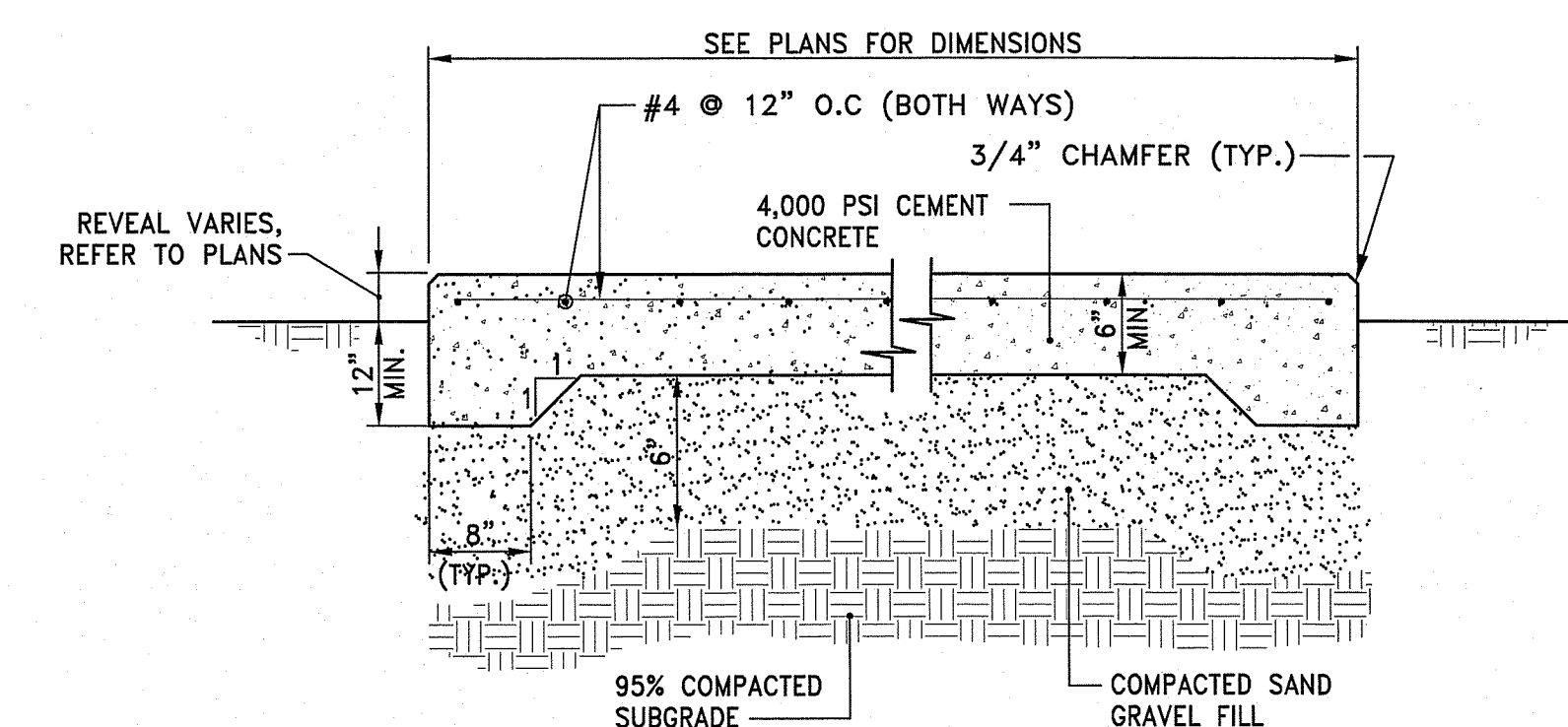


DWP DETECTABLE WARNING PAVER
NOT TO SCALE



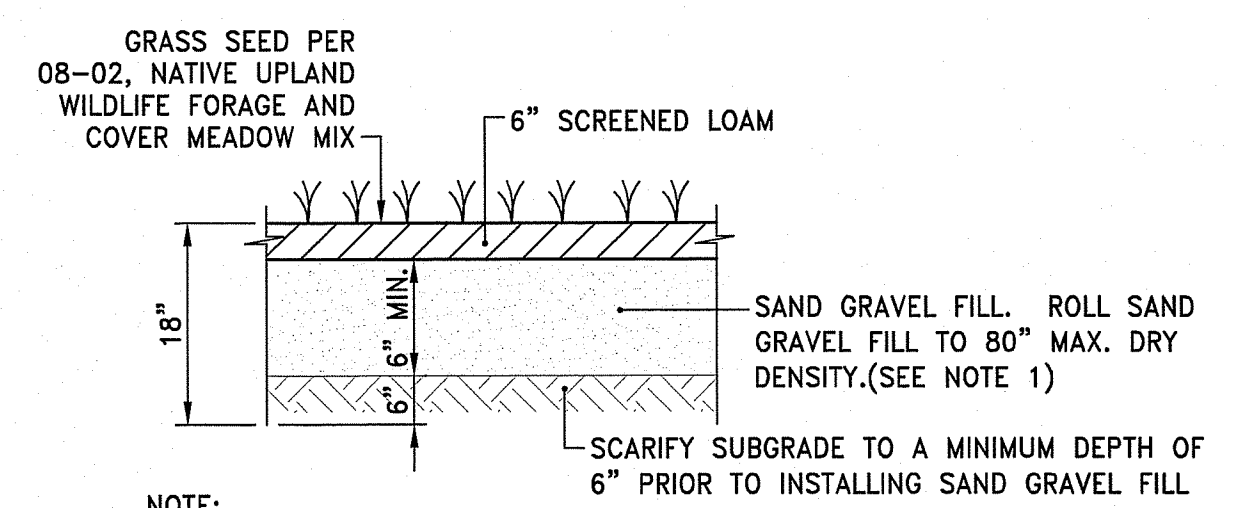
- NOTE:
 HANDICAP PARKING AND SIGNAGE SHALL BE IN CONFORMANCE WITH THE RULES & REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT.

SHP HANDICAP PAVEMENT MARKING
NOT TO SCALE



- NOTES:
 1. REINFORCING TO BE #4 GRADE 60 BARS AND SHALL CONFORM TO ASTM STANDARD A-615 OF THE LATEST DATA. REINFORCING RODS TO BE LOCATED IN THE CENTER OF THE SLAB, WITH A MINIMUM OF 2" CLEARANCE FROM FACE OF CONCRETE.
 2. CONTRACTOR SHALL COORDINATE LOCATIONS OF OPENINGS, FENCE POSTS, OR OTHER FEATURES IN SLAB.

CP CEMENT CONCRETE PAD
NOT TO SCALE



- NOTE:
 1. IF SOIL IN THE QPA HAS BEEN COMPACTED, THE SOIL MUST BE SUITABLY AMENDED, TILLED, AND RE-VEGETATED ONCE CONSTRUCTION IS COMPLETE.

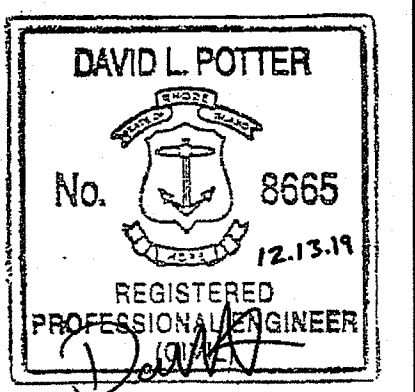
QPA QUALIFYING PERVIOUS AREA DETAIL
NOT TO SCALE



OWNER/APPLICANT:
 SMITHFIELD ELEMENTARY SCHOOLS
 49 FARNUM PIKE
 SMITHFIELD, RI 02917

SCALE ADJUSTMENT GUIDE
 0" 1"
 BAR IS ONE INCH ON ORIGINAL DRAWING

Smithfield Elementary School Improvements
 McCabe School
 100 Pleasant View Ave
 Smithfield, Rhode Island



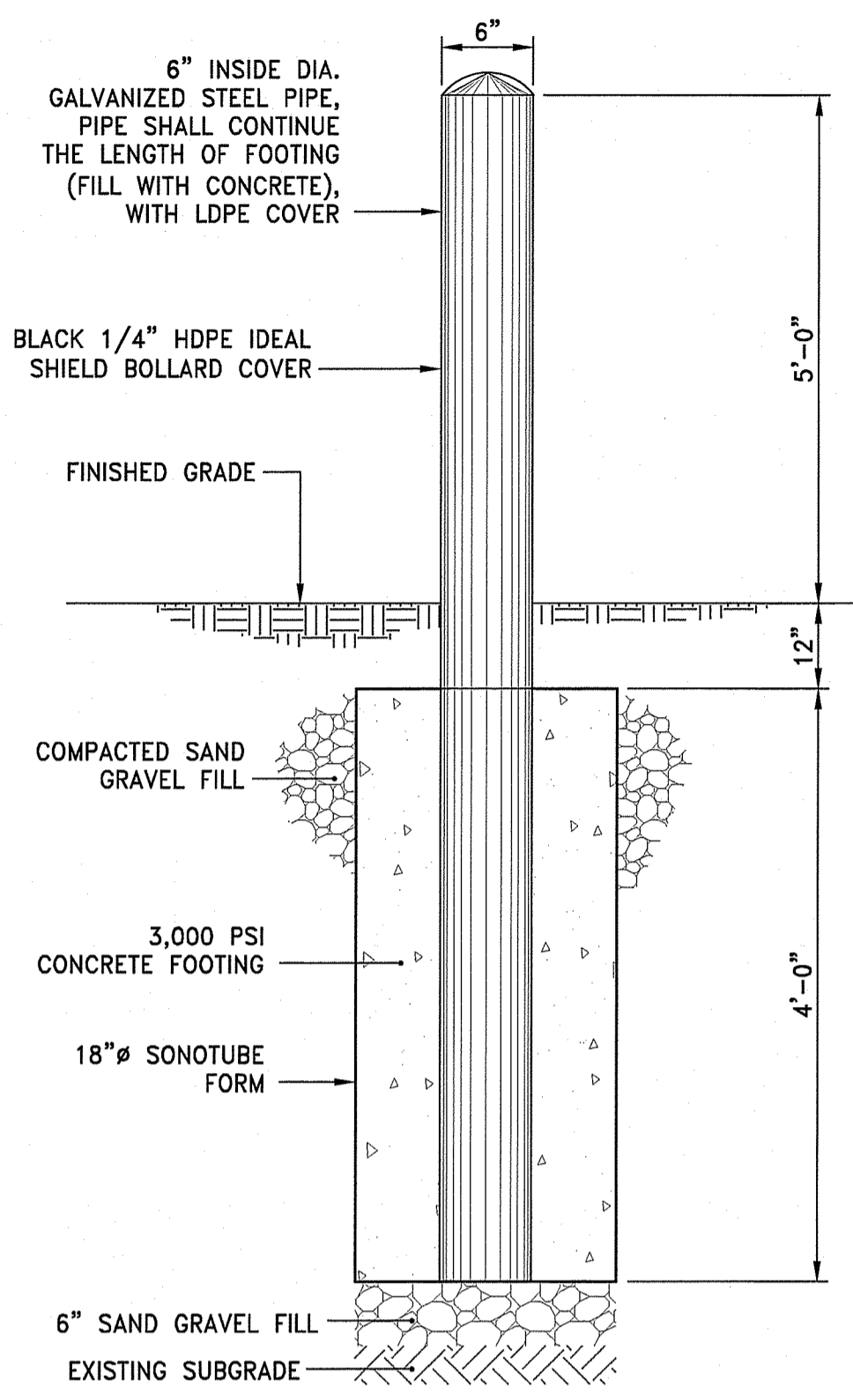
REVISIONS:

DEPARTMENT OF ENVIRONMENTAL RESOURCES
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH LETTER OF APPROVAL
 AS SPECIFIED IN THE LETTER FILE # 19-0374
 DATED MAY 21 2020
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

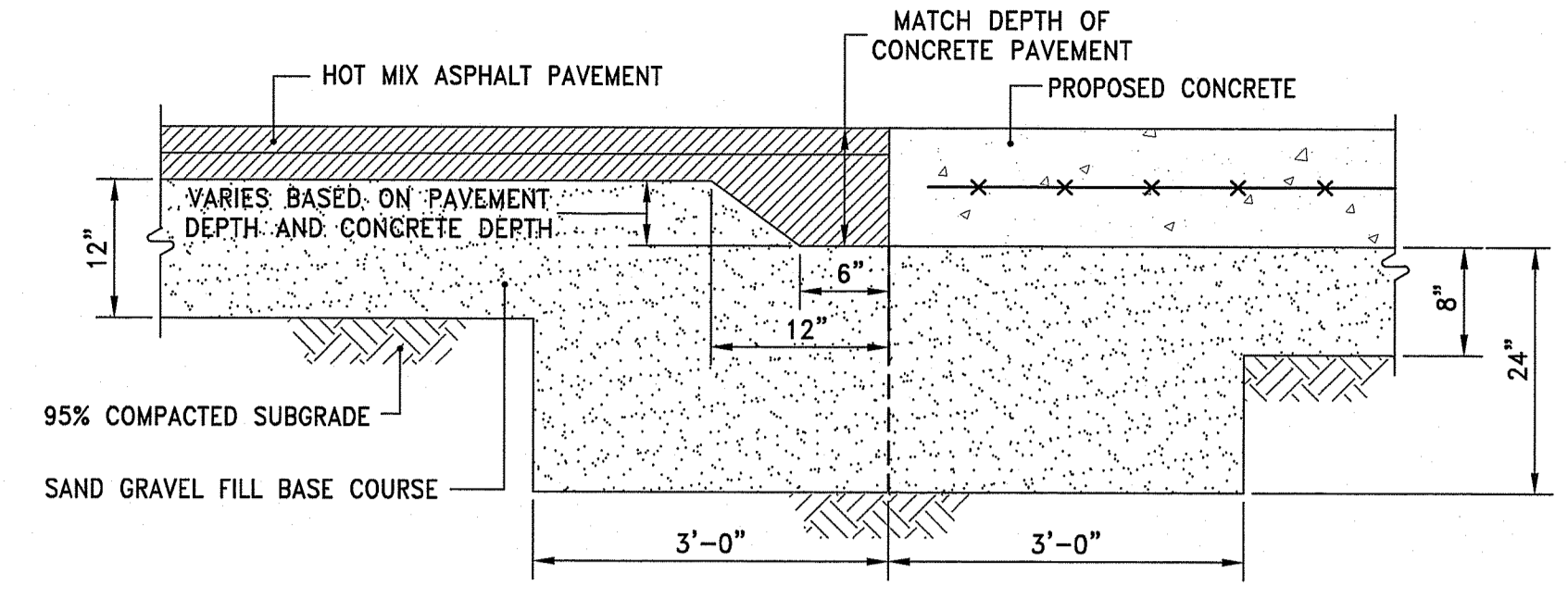
PROJECT NO.: 19056.00
 DATE: DECEMBER 13, 2019
 SCALE: NOT TO SCALE
 DESIGNED BY: VAH
 CHECKED BY: DLP
 DRAWN BY: AKL
 APPROVED BY: DLP
 DRAWING TITLE:

DETAILS 4

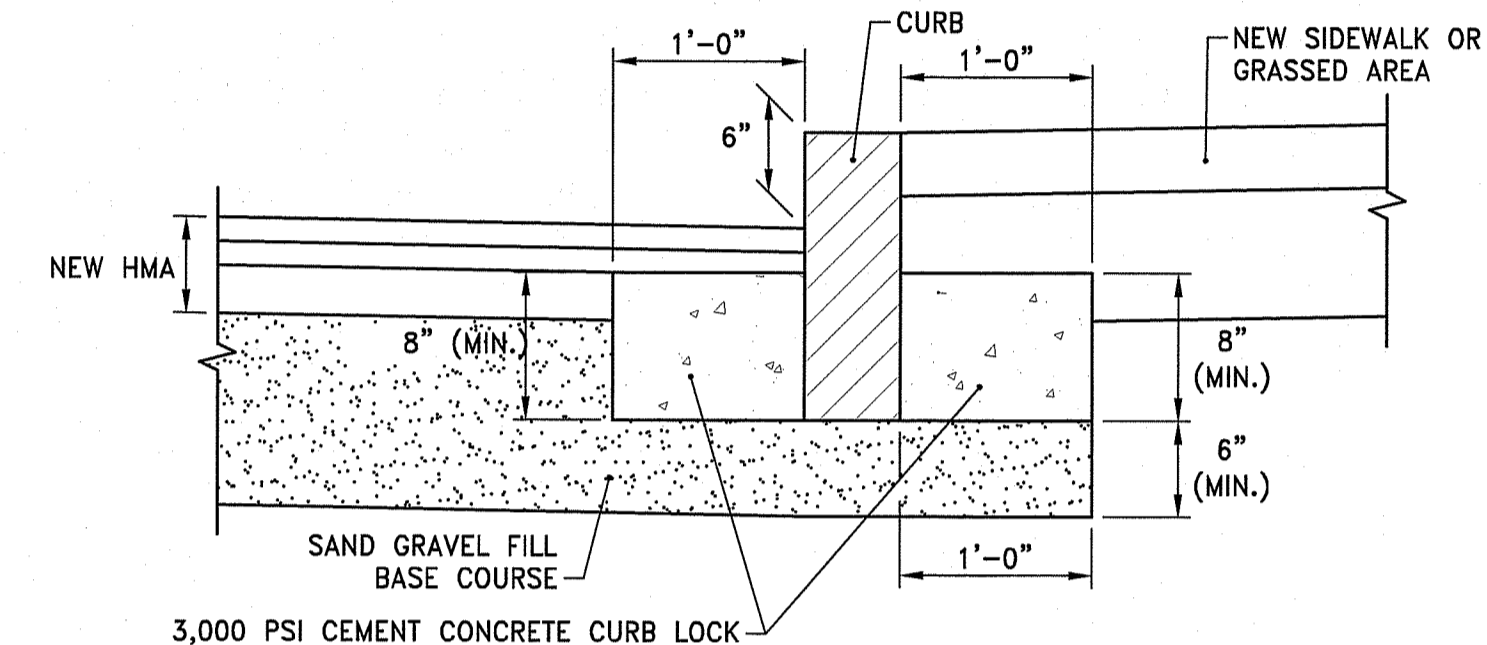
DRAWING NO.:
C7.4
 SHEET NO. 23 OF 33



BOL BOLLARD DETAIL
 NOT TO SCALE

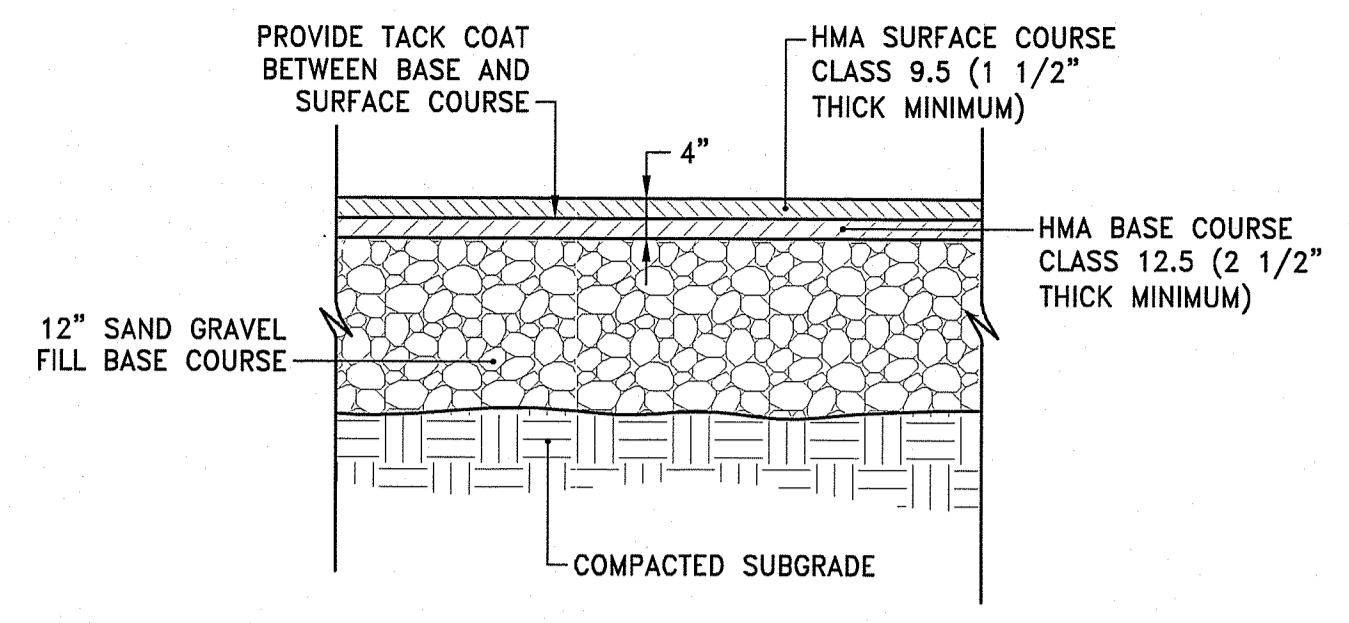


ASPHALT TURNDOWN DETAIL
 NOT TO SCALE



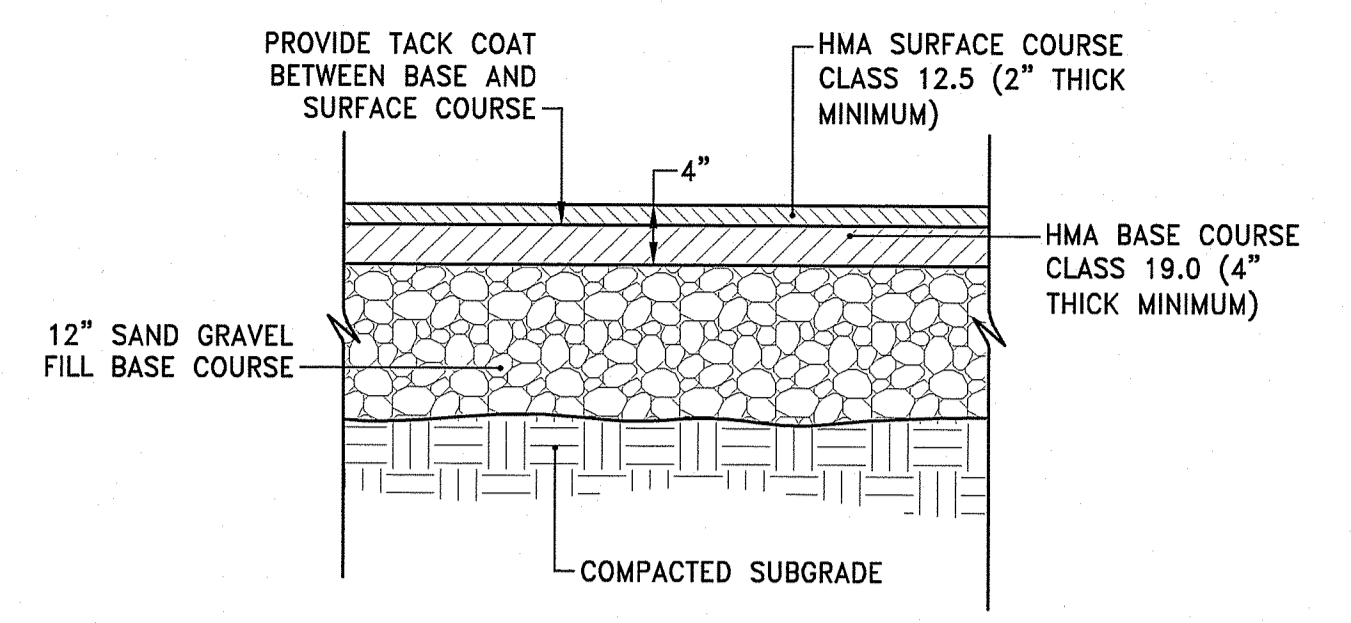
CURB SETTING DETAIL
 NOT TO SCALE

- NOTES:
- SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
 - PROVIDE CEMENT CONCRETE CURB LOCK ON ALL CURBS



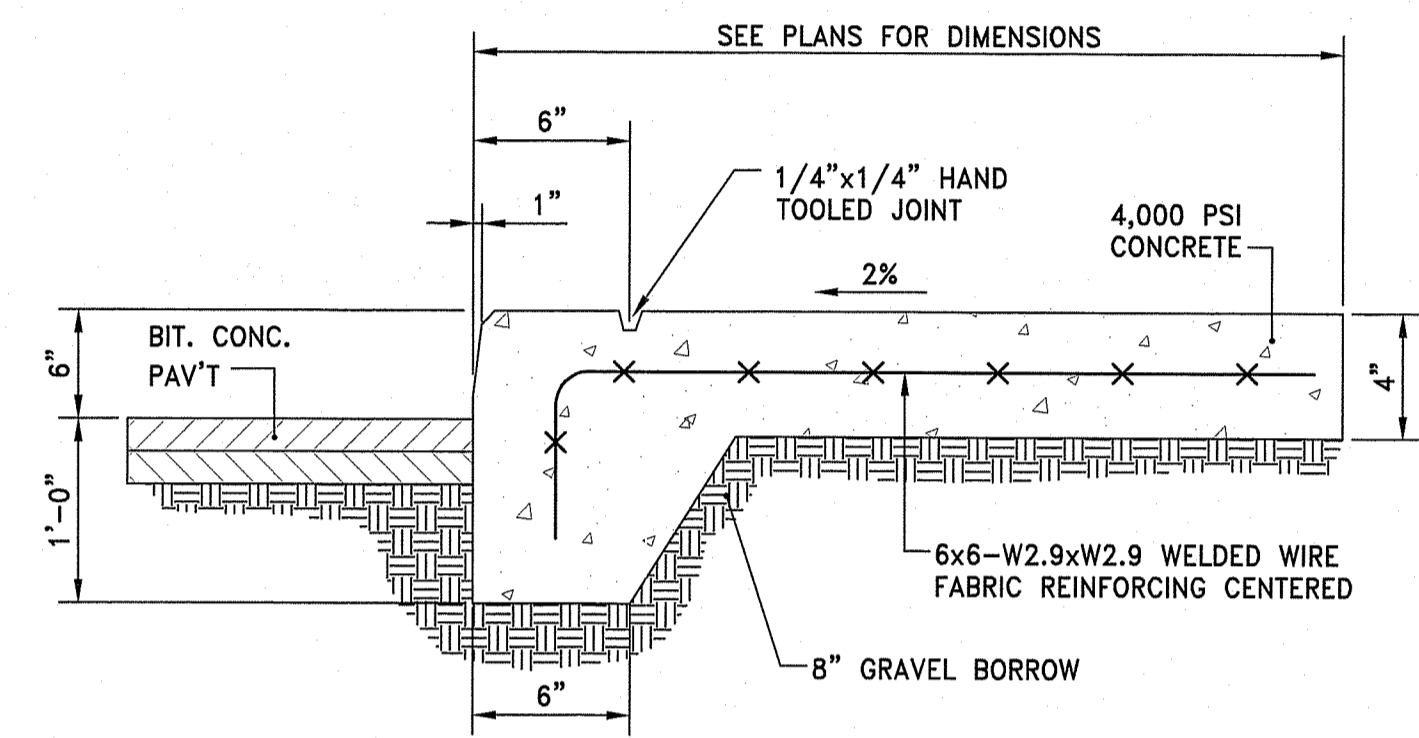
HMA HOT MIX ASPHALT PAVEMENT
 NOT TO SCALE

- NOTE:
- SUBMIT JOB MIX FORMULAS TO ENGINEER FOR APPROVAL PRIOR TO PLACEMENT.

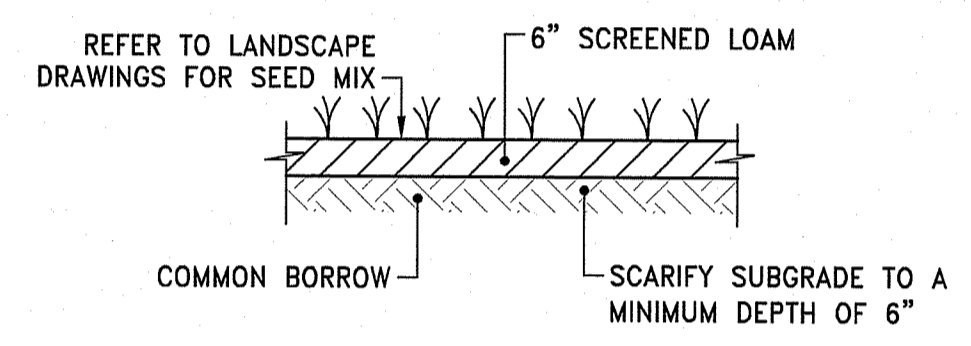


HDHMA HEAVY DUTY HOT MIX ASPHALT PAVEMENT
 NOT TO SCALE

- NOTE:
- SUBMIT JOB MIX FORMULAS TO ENGINEER FOR APPROVAL PRIOR TO PLACEMENT.



MCW MONOLITHIC CURB AND CEMENT CONCRETE SIDEWALK
 NOT TO SCALE



VFS VEGETATED FILTER STRIP
 NOT TO SCALE

LEGEND	DESIGNATION	SIZE
	R1-1	(30" x 30")
	R1-2	(30" x 30" x 30")
	R2-1	(18" x 24")
	R3-1	(24" x 24")
	R3-2	(24" x 24")
	R4-7	(18" x 24") (24" x 30")
	R5-1	(24" x 24") (30" x 30")
	R6-1	(12" x 36")
	W11-2	(30" x 30")
	W16-7P	(12" x 24")
	W16-9P	(12" x 24")
	GENERAL DIRECTIONAL SIGN, REFER TO PLANS FOR TEXT	(24" x 18") OR AS REQUIRED

LEGEND	DESIGNATION	SIZE
	R1-1	(30" x 30")
	R5-1	(24" x 24")
	W11-15	(30" x 30")
	W11-2	(30" x 30")
	W16-7P	(12" x 24")
	R1-2	(18" x 18" x 18")
	R9-7 (MOD)	(18" x 24")
	R7-8	(12" x 18")
	R7-8P	(12" x 6")
	CUSTOM SIGN	(24" x 18") OR AS REQUIRED

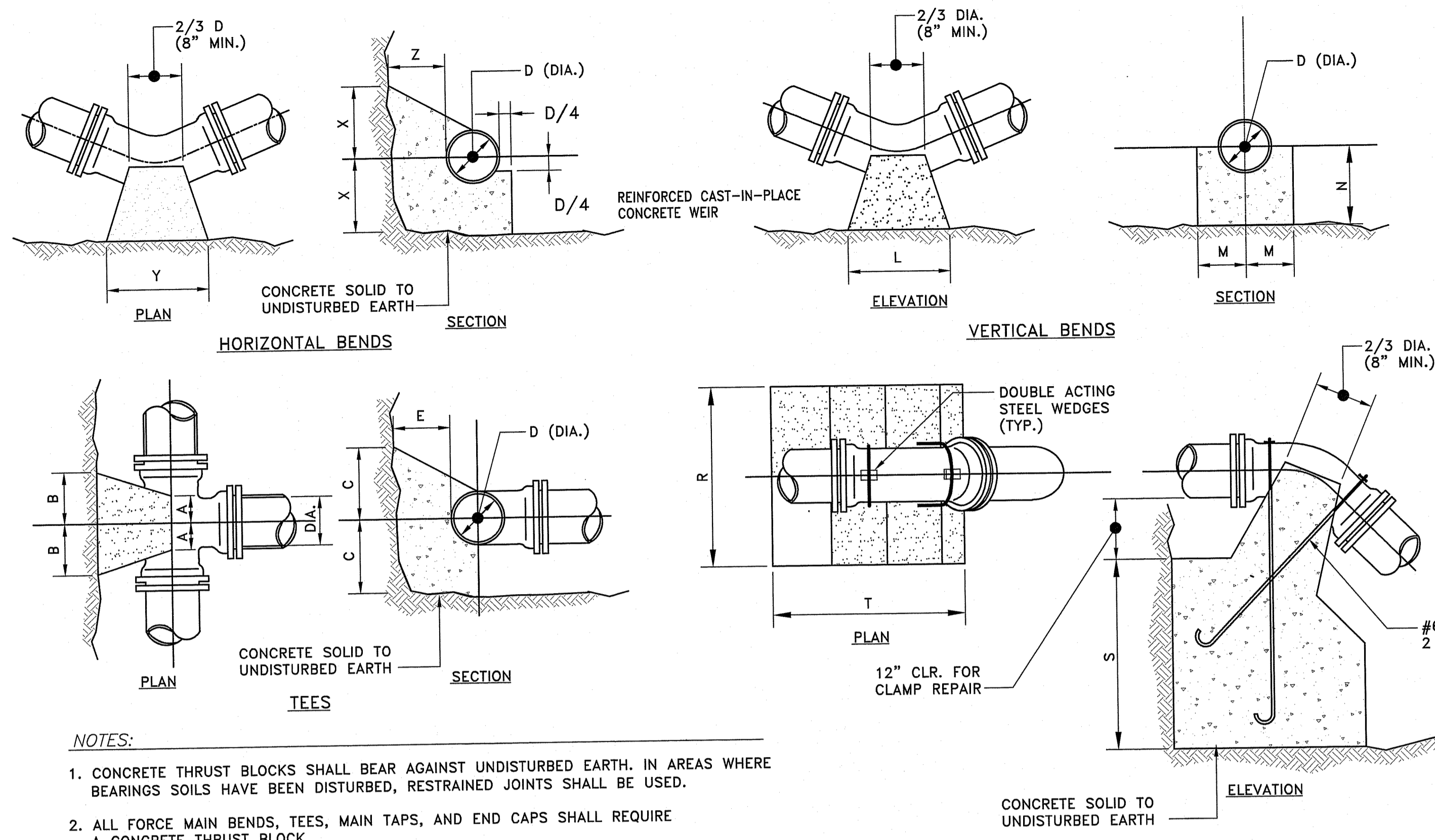
LEGEND	DESIGNATION	SIZE
	R3-5	(30" x 30")
	R5-1	(30" x 30")
	R3-5L	(12" x 18")
	R6-1L	(36" x 12")
	R6-1R	(36" x 12")
	GENERAL DIRECTIONAL SIGN, REFER TO PLANS FOR TEXT	(12" x 18")

LEGEND	DESIGNATION	SIZE
	R6-1	(12" x 36")
	R5-1A	(36" x 24")
	R5-2A	(24" x 24")

- NOTE:
- SIGNS SHALL BE CONSTRUCTED OF TYPE III REFLECTORIZED SHEETING AND IN ACCORDANCE WITH MUTCD REQUIREMENTS, LATEST REVISION.
 - THE CONTRACTOR SHALL SUBMIT SAMPLE SIGNS TO THE OWNER FOR APPROVAL PRIOR TO FURNISHING.
 - LETTERS, COLOR, AND FONT FOR NON-STANDARD SIGNS SHALL BE SELECTED BY THE OWNER.
 - ALL SIGN MOUNTING SHALL CONFORM TO R.I. STD. DETAIL 24.2.0 EXCEPT R7-8 AND R7-8P. R7-8 AND R7-8P SHALL CONFORM TO ACCESSIBLE SIGN MOUNTING DETAIL.

SIGN SCHEDULE

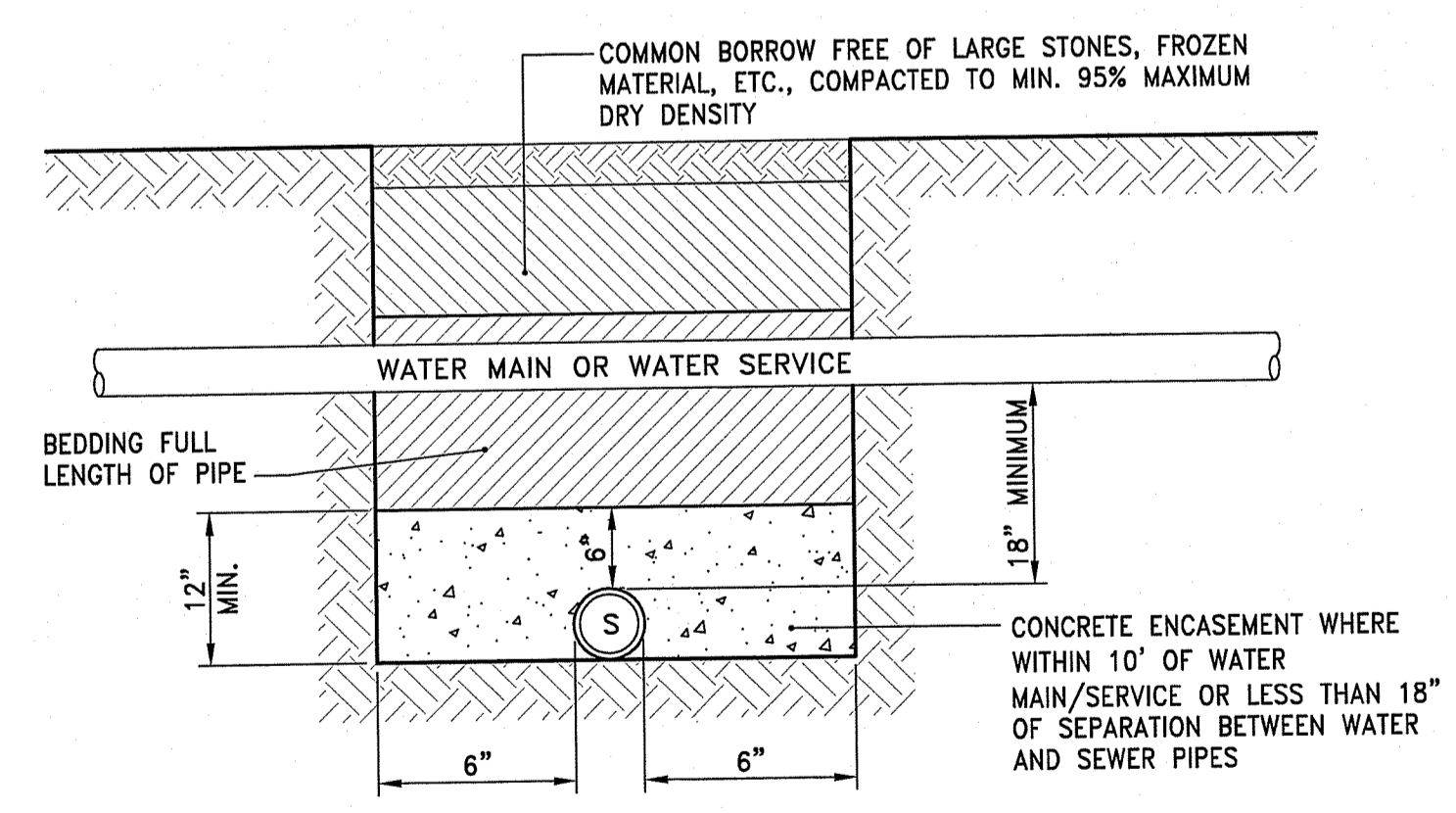
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 DATED MAY 21 2020
 AS SPECIFIED IN THE LETTER OF APPROVAL
 FILE # 19-0317
 NO CHANGES ALLOWED WITHOUT CONSTRUCTION SITE APPROVED PLANS MUST BE AT CONSTRUCTION SITE



- NOTES:
1. CONCRETE THRUST BLOCKS SHALL BEAR AGAINST UNDISTURBED EARTH. IN AREAS WHERE BEARINGS SOILS HAVE BEEN DISTURBED, RESTRAINED JOINTS SHALL BE USED.
 2. ALL FORCE MAIN BENDS, TEES, MAIN TAPS, AND END CAPS SHALL REQUIRE A CONCRETE THRUST BLOCK.

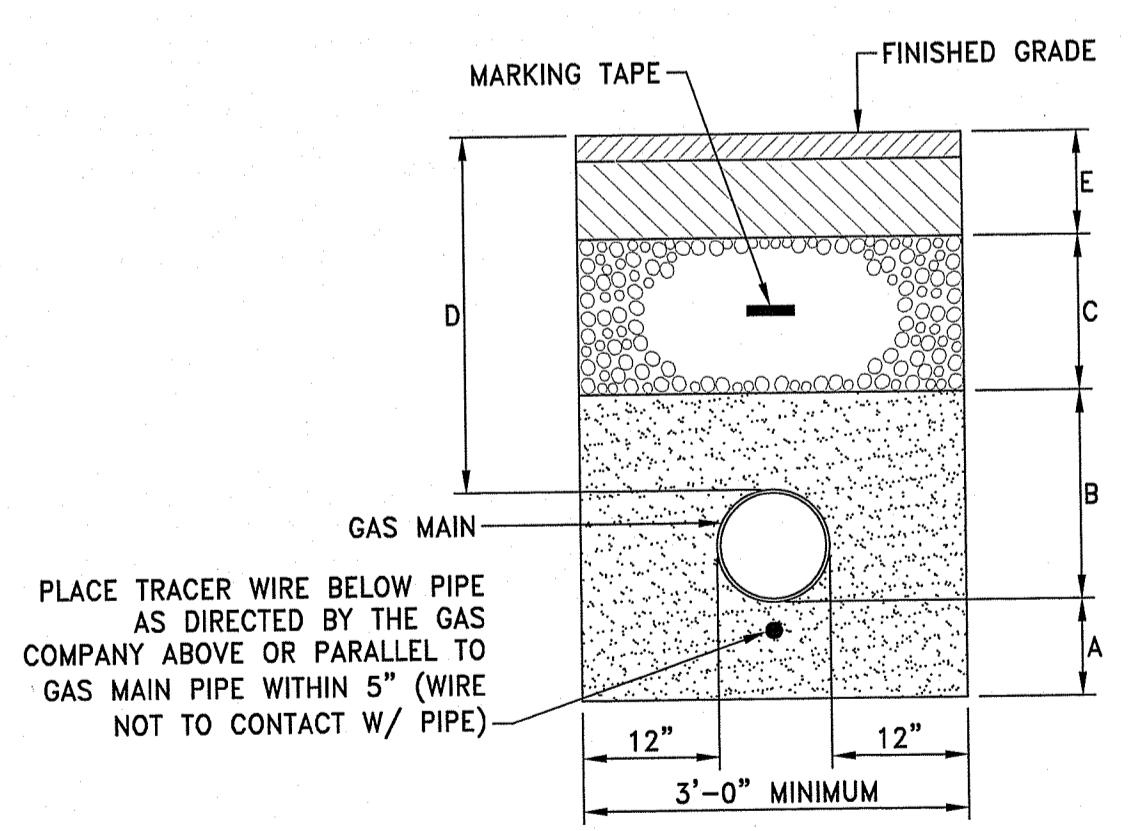
TEES					HORIZONTAL BENDS					VERTICAL BENDS					ANCHORAGES																	
PIPE SIZE-D (DIA.)					PIPE SIZE-D (DIA.)					PIPE SIZE-D (DIA.)					PIPE SIZE-D (DIA.)																	
	6"	8"	12"	16"	20"	BEND	6"	8"	12"	16"	20"	BEND	6"	8"	12"	16"	20"	BEND	6"	8"	12"	16"	20"	BEND	6"	8"	12"	16"	20"			
A	8"	10"	1'-0"	1'-3"	1'-6"	X	1'-0"	1'-0"	1'-0"	1'-3"	1'-6"	1/8	L	1'-3"	1'-8"	2'-6"	3'-6"	4'-9"	1/8	R	2'-6"	3'-0"	4'-6"	5'-4"	6'-0"	1/8	R	2'-6"	3'-0"	4'-6"	5'-4"	6'-0"
B	8"	10"	1'-2"	1'-4"	1'-6"	Y	1'-0"	1'-0"	2'-0"	2'-3"	3'-0"	1/8	M	7"	8"	11"	1'-4"	1'-6"	1/8	S	2'-6"	2'-9"	3'-6"	2'-6"	5'-6"	1/8	S	2'-6"	2'-9"	3'-6"	2'-6"	5'-6"
C	10"	1'-0"	1'-3"	1'-6"	1'-8"	Z	8"	10"	1'-2"	1'-4"	1'-8"	1/8	N	7"	8"	11"	1'-4"	1'-6"	1/8	T	3'-0"	4'-0"	4'-9"	7'-0"	9'-6"	1/8	T	3'-0"	4'-0"	4'-9"	7'-0"	9'-6"
E	8"	10"	1'-2"	1'-6"	1'-10"	X	1'-0"	1'-0"	1'-0"	1'-3"	2'-8"	1/16	L	9"	1'-0"	1'-9"	2'-6"	3'-0"	1/16	R	2'-0"	2'-8"	4'-0"	4'-6"	5'-0"	1/16	R	2'-0"	2'-8"	4'-0"	4'-6"	5'-0"
						Y	1'-0"	1'-4"	1'-6"	1'-9"	2'-8"	1/16	M	7"	7"	10"	1'-0"	1'-2"	1/16	R	1'-9"	2'-3"	2'-6"	3'-2"	3'-8"	1/16	R	1'-9"	2'-3"	2'-6"	3'-2"	3'-8"
						Z	8"	10"	1'-2"	1'-4"	1'-6"	1/16	N	7"	7"	8"	10"	1'-0"	1/16	T	2'-6"	3'-4"	4'-0"	6'-0"	8'-6"	1/16	T	2'-6"	3'-4"	4'-0"	6'-0"	8'-6"
						X	1'-0"	1'-0"	1'-0"	1'-2"	1'-4"	1/32	L	6"	8"	1'-0"	1'-4"	1'-9"	1/32	R	1'-6"	2'-0"	3'-0"	3'-8"	4'-3"	1/32	R	1'-6"	2'-0"	3'-0"	3'-8"	4'-3"
						Y	1'-0"	1'-0"	1'-2"	1'-4"	1'-6"	1/32	M	7"	7"	10"	1'-0"	1'-2"	1/32	S	1'-3"	1'-9"	2'-0"	2'-4"	2'-6"	1/32	S	1'-3"	1'-9"	2'-0"	2'-4"	2'-6"
						Z	8"	10"	1'-2"	1'-4"	1'-6"	1/32	N	7"	7"	8"	10"	1'-0"	1/32	T	2'-0"	2'-6"	3'-0"	4'-6"	5'-9"	1/32	T	2'-0"	2'-6"	3'-0"	4'-6"	5'-9"

CONCRETE THRUST BLOCKS
 NOT TO SCALE



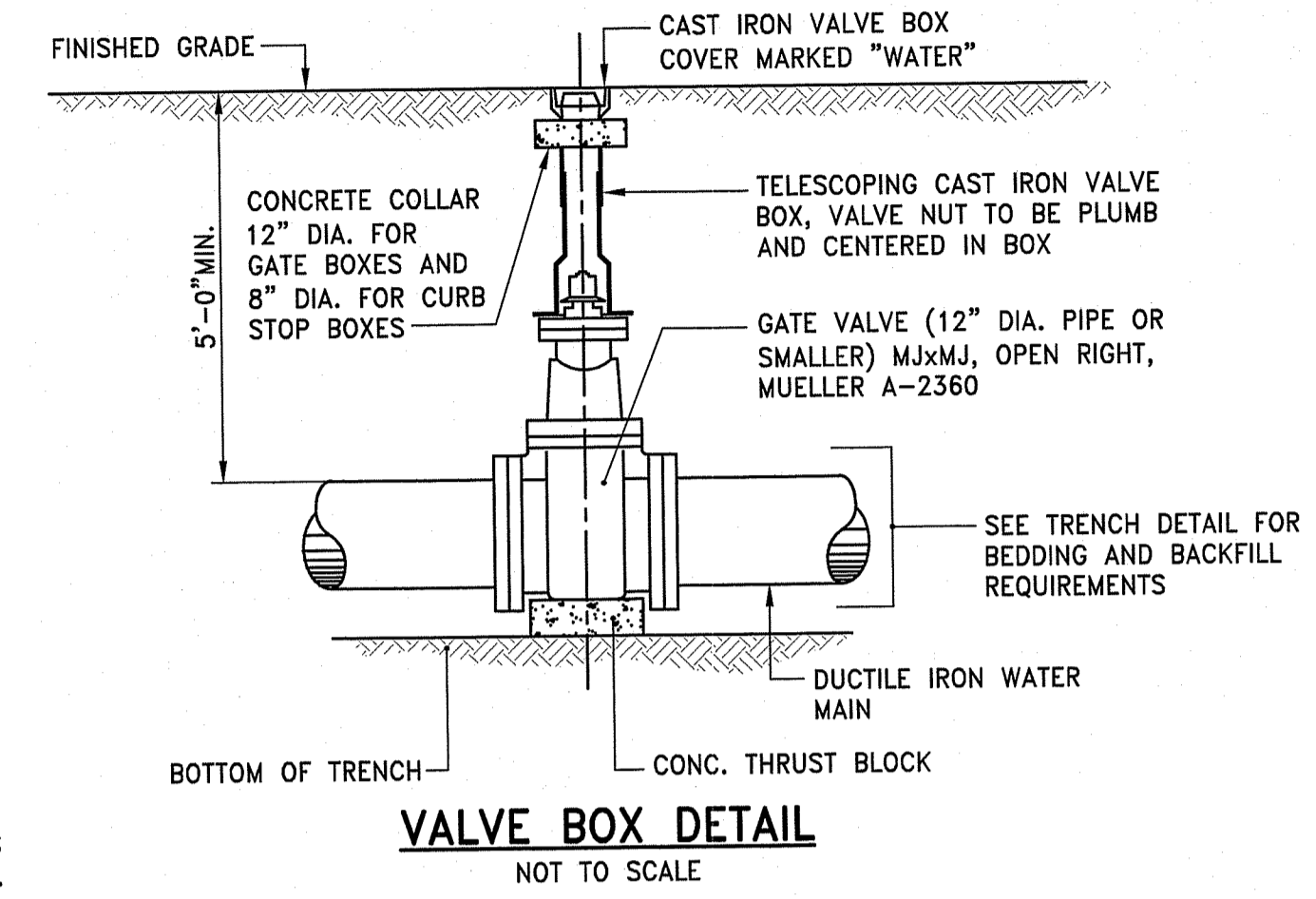
- NOTES:
1. THE VERTICAL SEPARATION BETWEEN THE WATER MAIN/SERVICE AND THE PROPOSED SEWER MAIN/SERVICE SHALL BE A MINIMUM OF 18 INCHES.
 2. THE HORIZONTAL SEPARATION BETWEEN THE WATER MAIN AND THE PROPOSED UTILITY SHALL BE A MINIMUM OF 10 FEET.
 3. IF 1 OR 2 CANNOT BE MAINTAINED THE PROPOSED SEWER MAIN/SERVICE SHALL BE INSTALLED WITHIN A CARRIER PIPE OR ENCASED IN CONCRETE.
 4. IF SEWER MAIN AND SERVICES CROSS OVER THE TOP OF WATER MAIN, INSTALL SEWER MAIN/SERVICE WITHIN A CARRIER PIPE. MINIMUM VERTICAL SEPARATION OF 18" SHALL BE PROVIDED.

SEWER AND WATER LINE CROSSINGS
 NOT TO SCALE

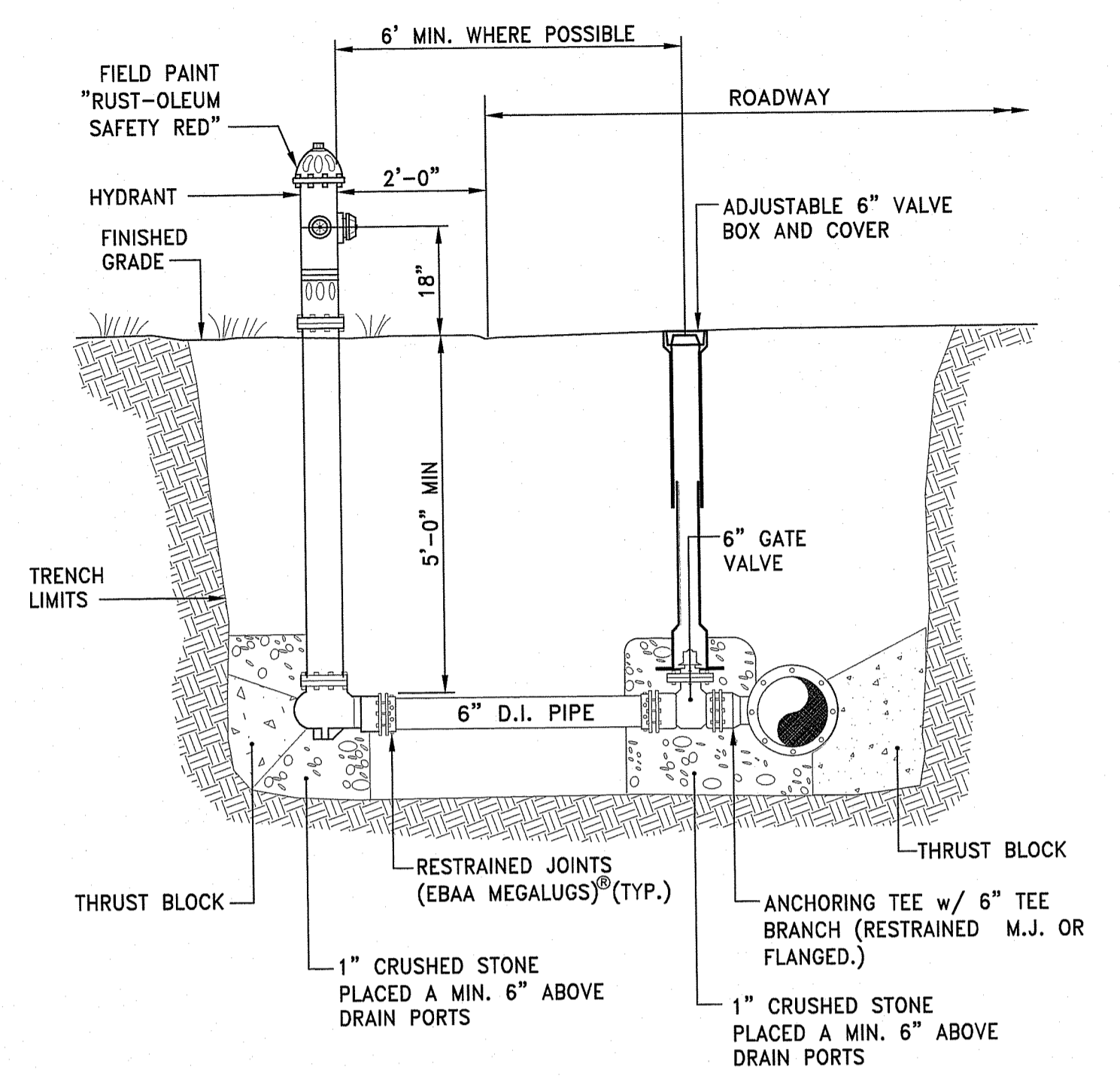


- A-COARSE SAND BEDDING 6"
 B-COARSE SAND BEDDING 12" OVER PIPE
 C-COMMON BORROW AS REQUIRED
 D-COVER 18" MINIMUM FOR SERVICES
 E-ROAD REPAIR 30" MINIMUM FOR MAINS
 SEE BITUMINOUS CONCRETE PAVEMENT
- NOTE:
 THIS DETAIL REPRESENTS A TYPICAL GAS TRENCH DETAIL. FINAL TRENCH MATERIALS AND DIMENSIONS SHALL BE COORDINATED WITH THE GAS COMPANY.

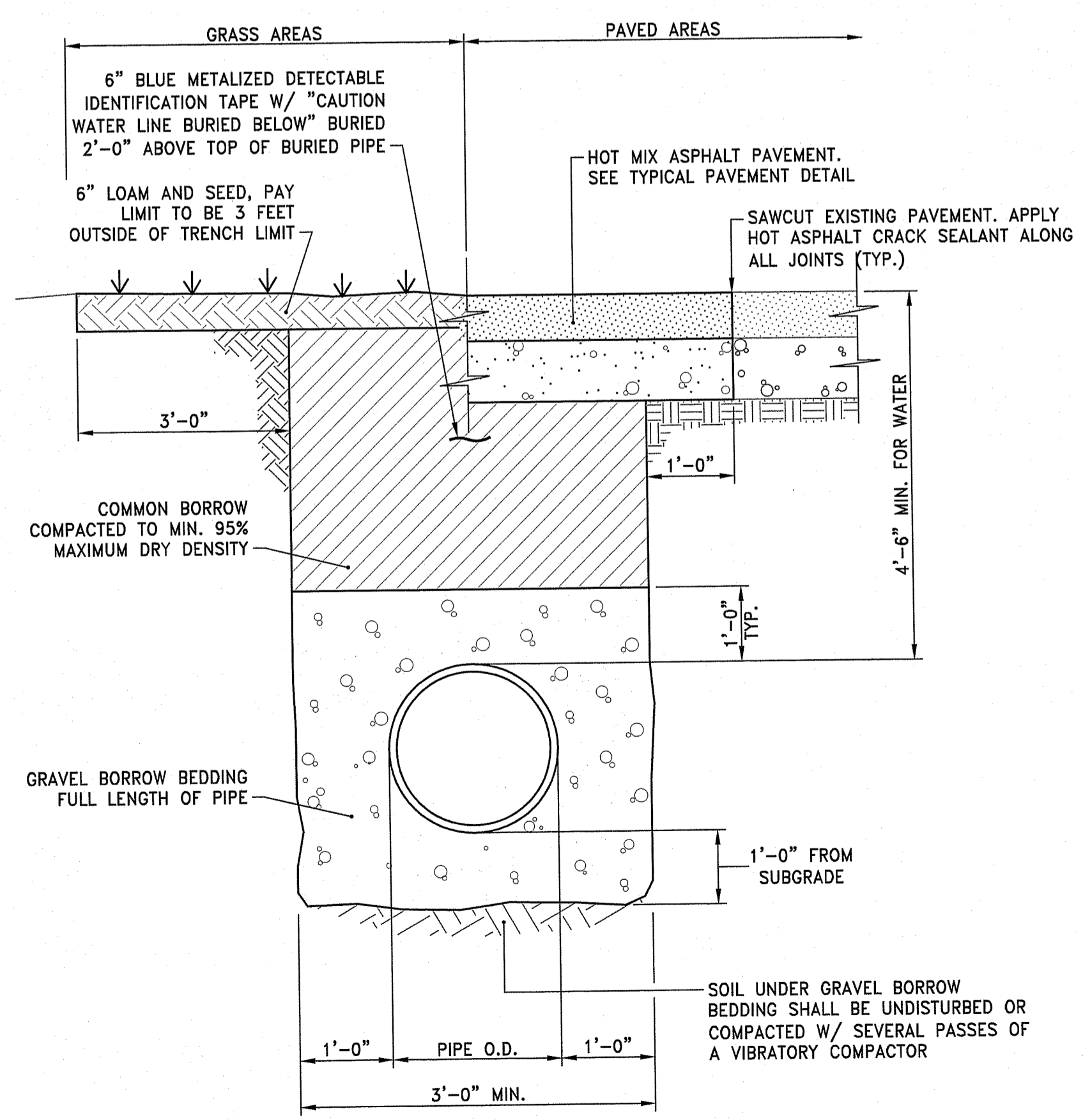
TYPICAL GAS MAIN TRENCH DETAIL
 NOT TO SCALE



VALVE BOX DETAIL
 NOT TO SCALE



HYD HYDRANT DETAIL
 NOT TO SCALE



WATER MAIN TRENCH DETAIL
 NOT TO SCALE

DEC 19 2019
 Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED MAY 21 2020
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE BY CONSTRUCTION SITE

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
CONCRETE HEADWALLS FOR PIPE CULVERTS

REVISIONS: NO. BY DATE

DATE: JUNE 15, 1998
 R.I. STANDARD 2.1.0

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
PRECAST CONCRETE FLARED END SECTION

REVISIONS: NO. BY DATE

DATE: JUNE 15, 1998
 R.I. STANDARD 2.3.0

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
PRECAST 4'-0" ROUND MANHOLE

REVISIONS: NO. BY DATE

DATE: JUNE 15, 1998
 R.I. STANDARD 4.2.0

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
PRECAST 5'-0" ROUND MANHOLE

REVISIONS: NO. BY DATE

DATE: JUNE 15, 1998
 R.I. STANDARD 4.2.1

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
PRECAST 6'-0" ROUND MANHOLE

REVISIONS: NO. BY DATE

DATE: JUNE 15, 1998
 R.I. STANDARD 4.2.2

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCH BASIN

REVISIONS: NO. BY DATE

DATE: JUNE 15, 1998
 R.I. STANDARD 4.4.0M

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
ALTERNATE TOP COVER FOR ROUND PRECAST MANHOLES AND CATCH BASINS

REVISIONS: NO. BY DATE

DATE: JUNE 15, 1998
 R.I. STANDARD 4.7.2

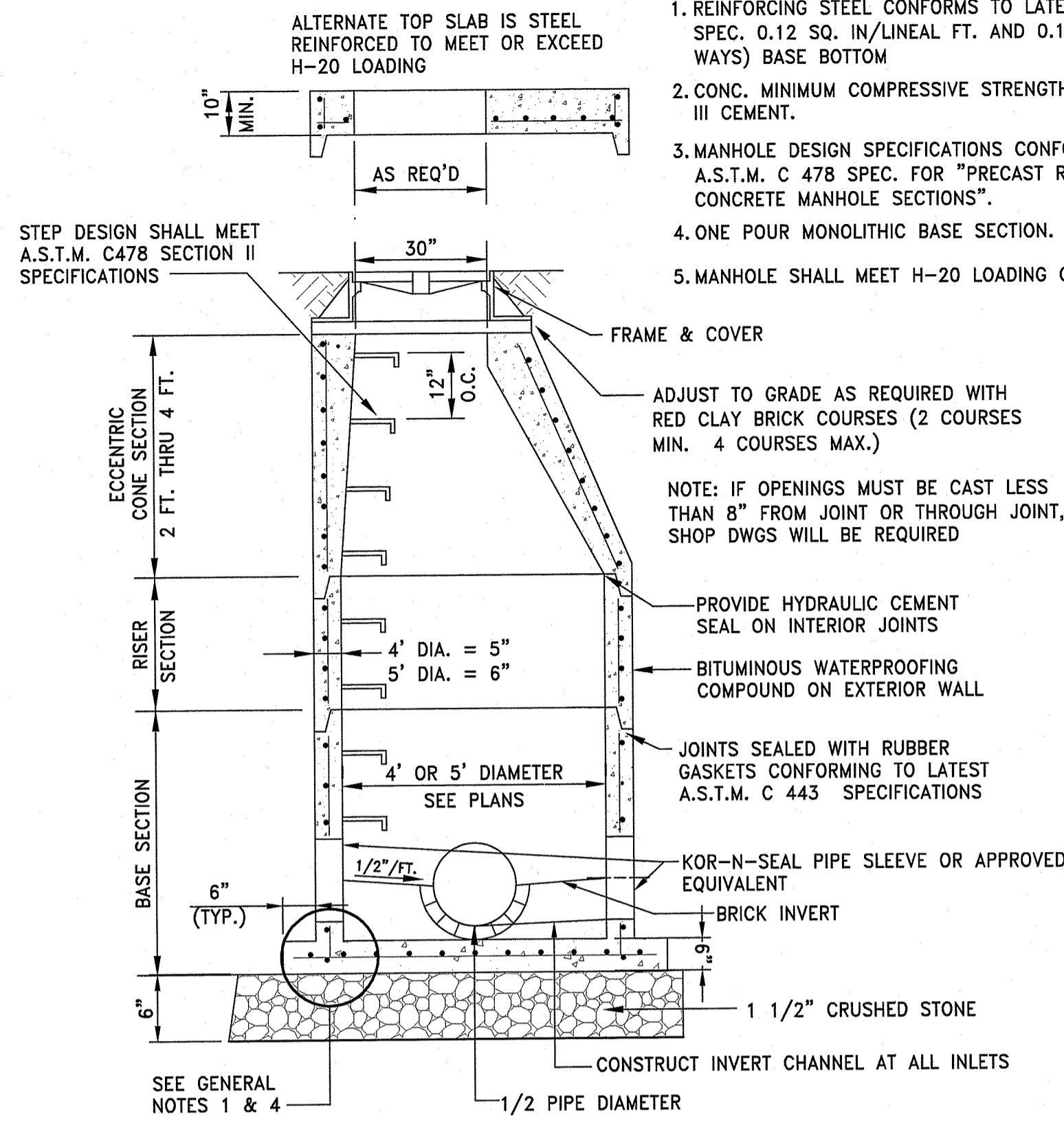
RHODE ISLAND DEPARTMENT OF TRANSPORTATION
SOLID BLOCK SHALLOW DOUBLE GRATE CATCH BASIN
 GRATE PERPENDICULAR TO EDGE OF PAVEMENT

REVISIONS: NO. BY DATE

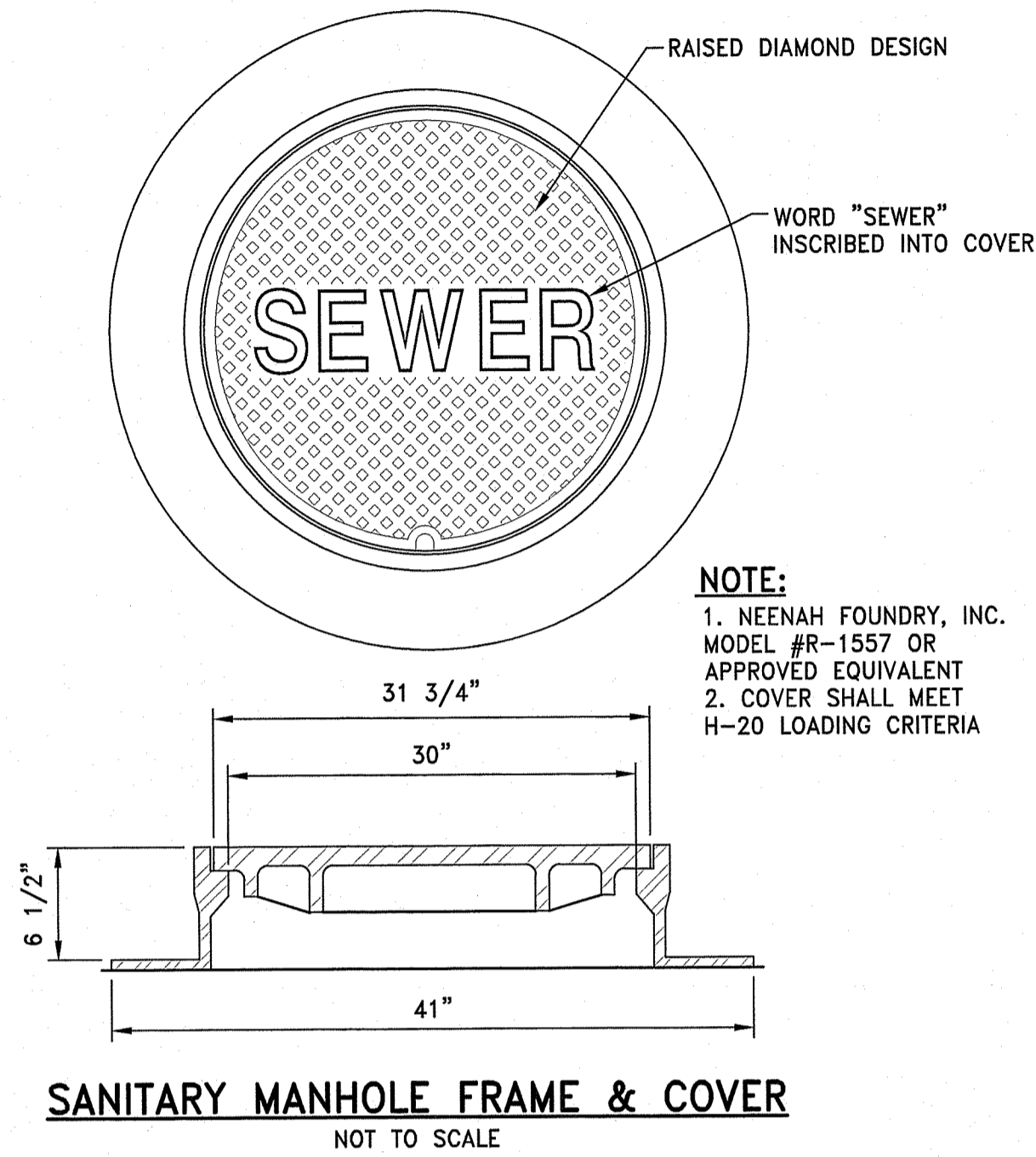
DATE: JUNE 15, 1998
 R.I. STANDARD 3.5.5

GENERAL NOTES:

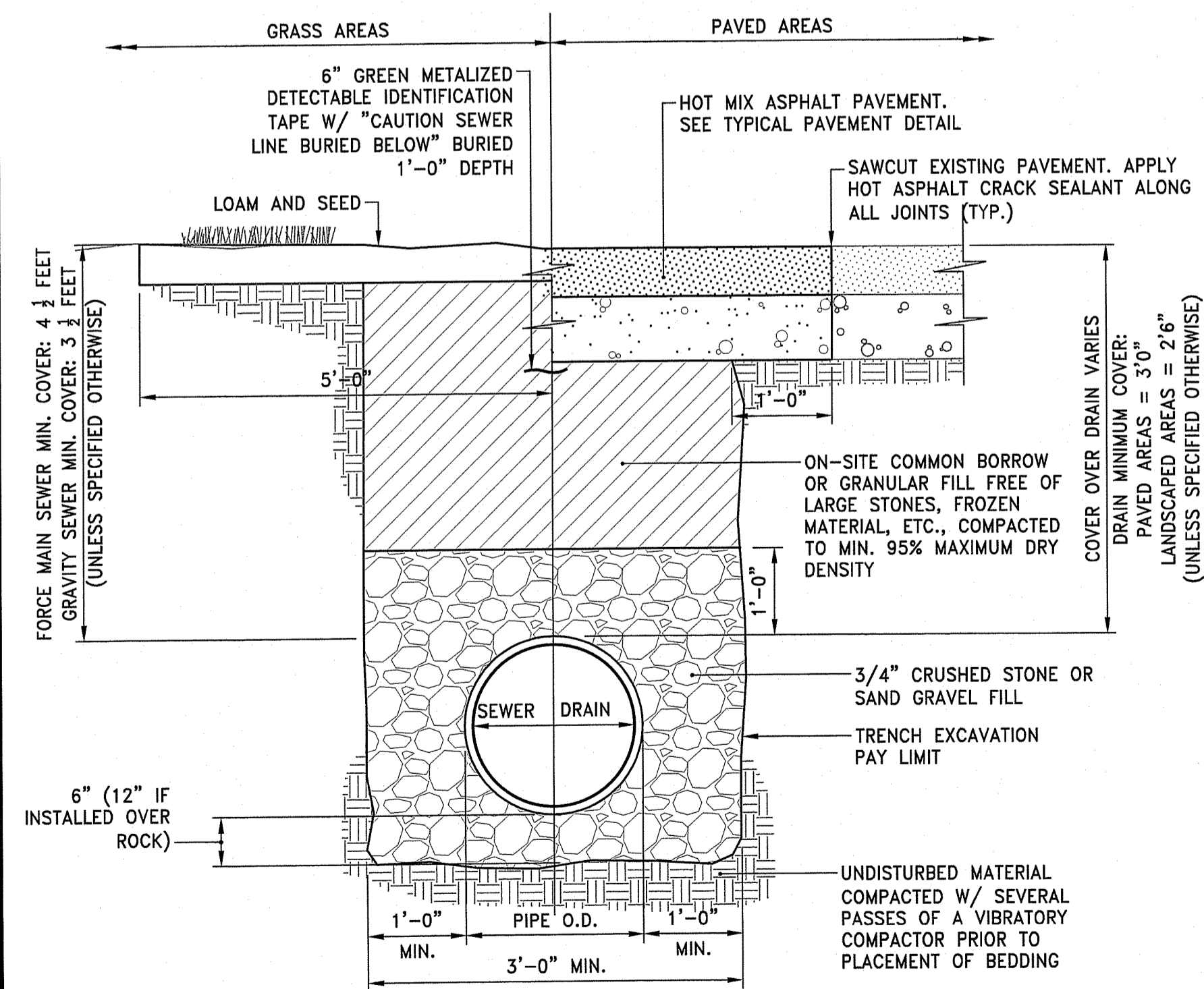
1. REINFORCING STEEL CONFORMS TO LATEST A.S.T.M. A 185 SPEC. 0.12 SQ. IN./LINEAL FT. AND 0.12 SQ. IN. (BOTH WAYS) BASE BOTTOM
2. CONC. MINIMUM COMPRESSIVE STRENGTH = 4000 PSI TYPE III CEMENT.
3. MANHOLE DESIGN SPECIFICATIONS CONFORM TO LATEST A.S.T.M. C 478 SPEC. FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS".
4. ONE POUR MONOLITHIC BASE SECTION.
5. MANHOLE SHALL MEET H-20 LOADING CRITERIA.



TYPICAL SEWER MANHOLE DETAIL
NOT TO SCALE

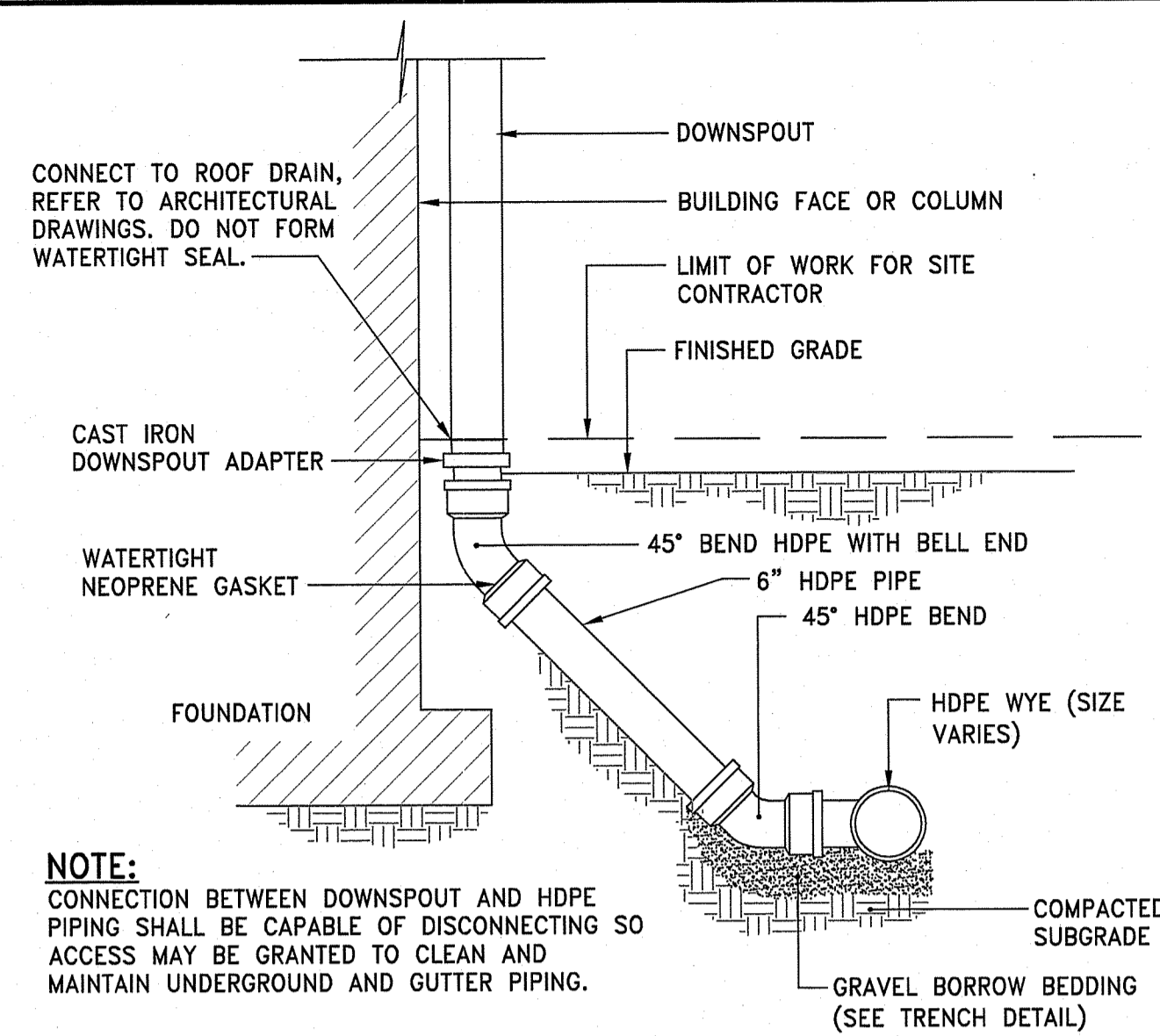


SANITARY MANHOLE FRAME & COVER
NOT TO SCALE

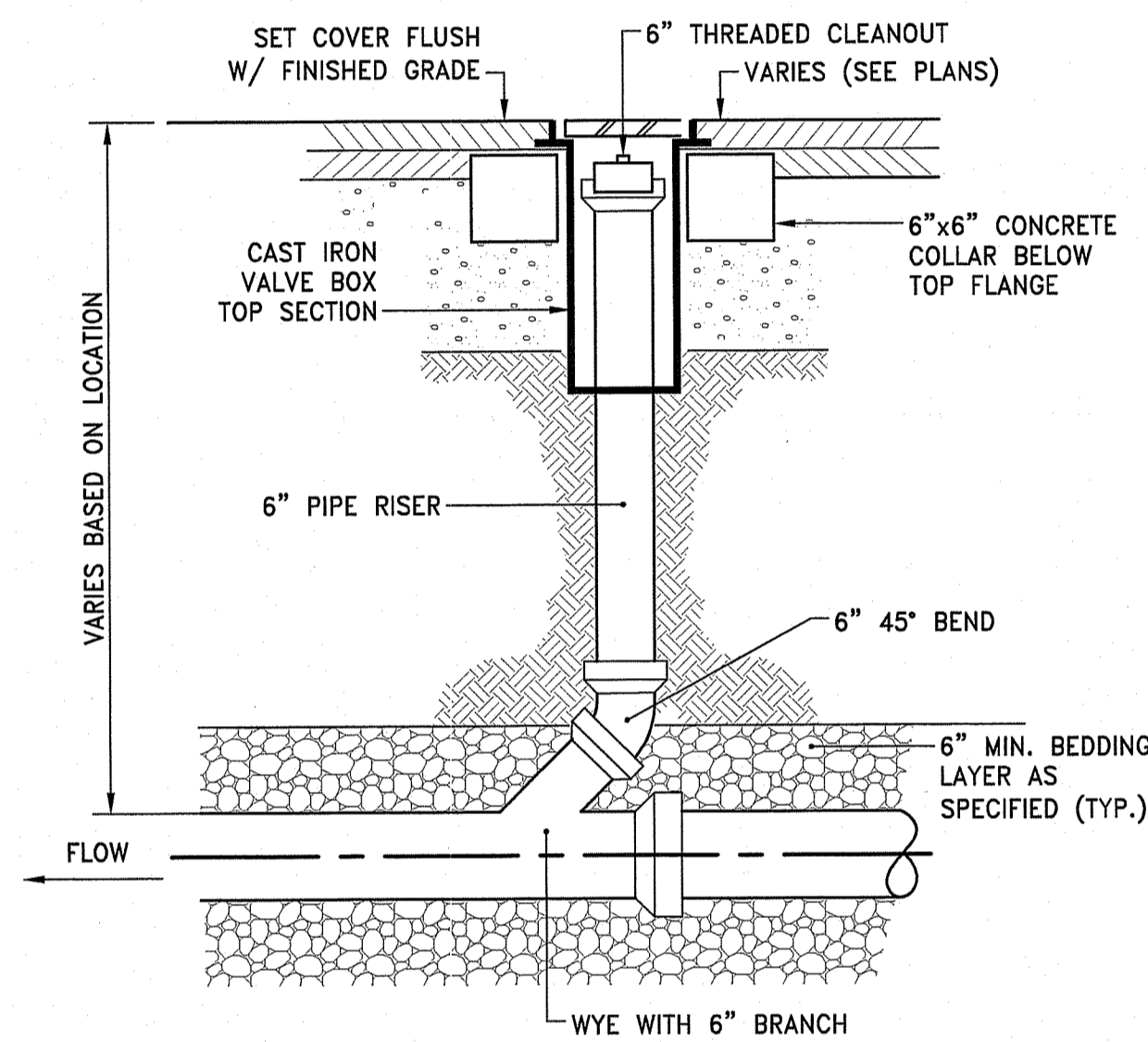


- NOTES:**
1. WHERE THE DISTANCE BETWEEN THE SAWCUT AND EDGE OF PAVEMENT IS 3' OR LESS, THE CONTRACTOR SHALL REPLACE THE PAVEMENT FROM THE TRENCH EDGE TO THE EXISTING EDGE OF PAVEMENT.
 2. 3/4" DIA. CRUSHED STONE SHALL BE USED AS BEDDING WHERE TRENCH IS BELOW THE GROUND WATER TABLE.

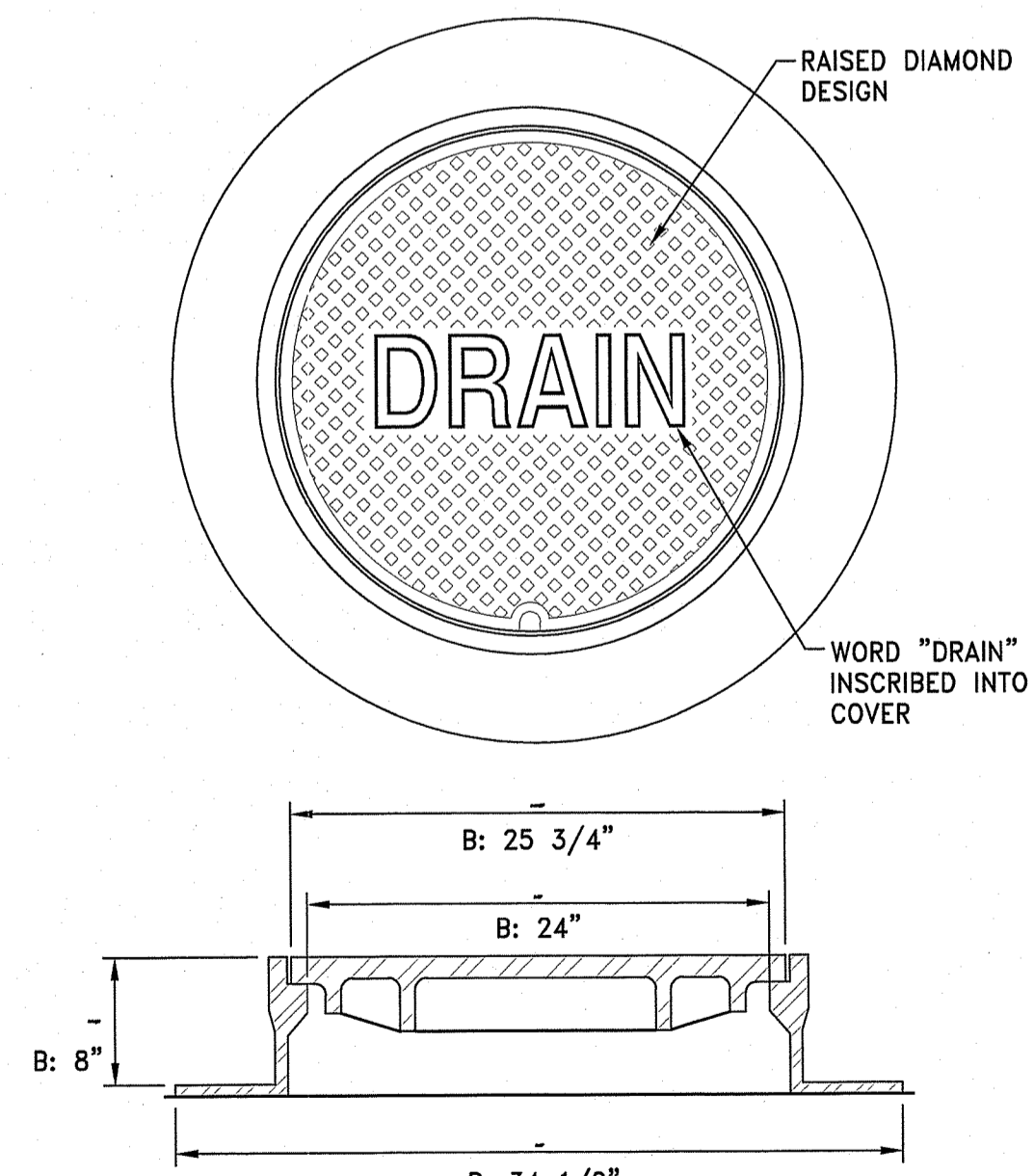
SEWER/RAIN TRENCH DETAIL
NOT TO SCALE



DOWNSPOUT DETAIL
NOT TO SCALE

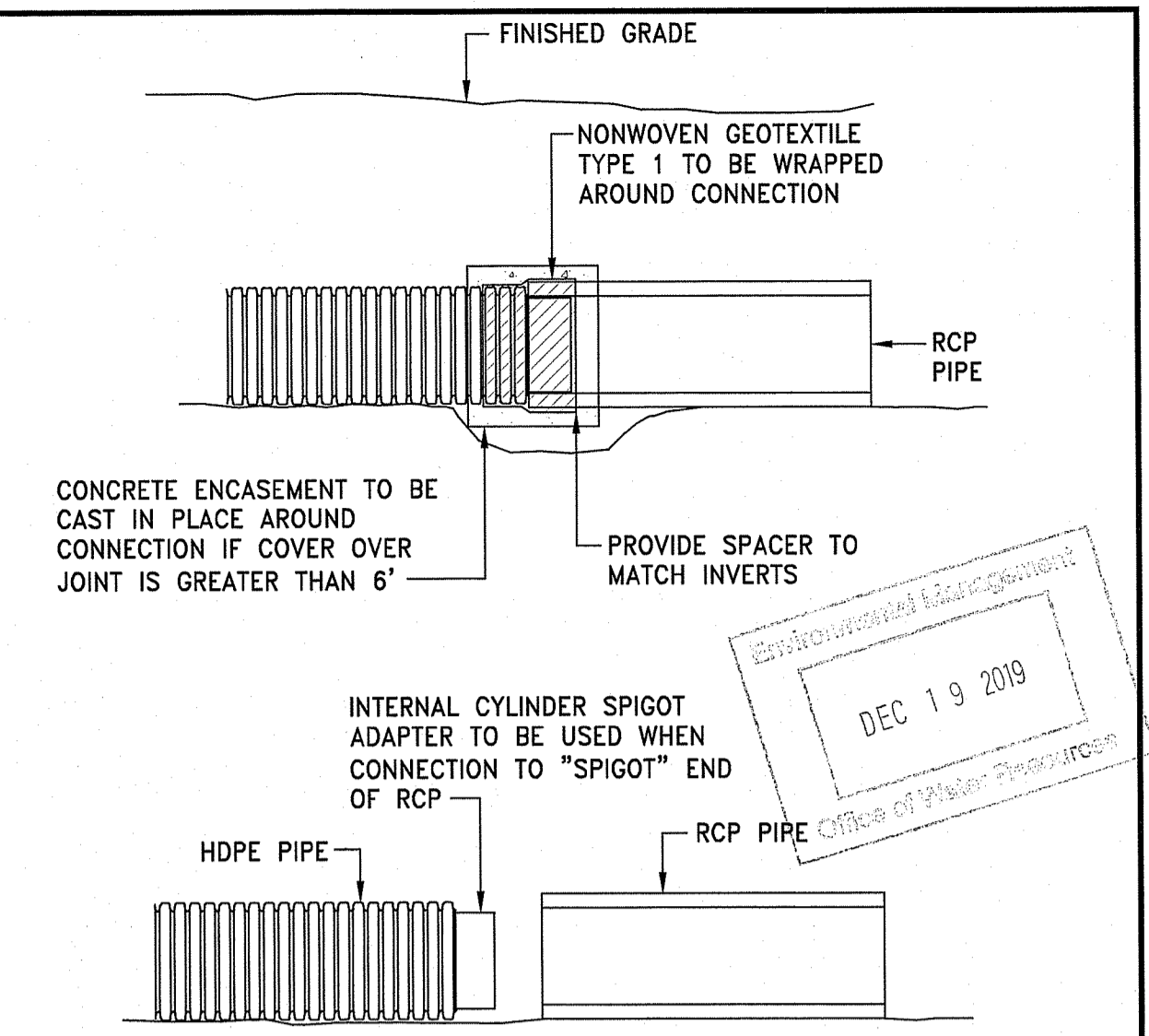


CLEANOUT DETAIL
NOT TO SCALE



- NOTES:**
1. ALL FRAMES AND COVERS SHALL MEET H-20 LOADING CRITERIA.
 2. PROVIDE:
 - A: 30" DIA. DRAIN MANHOLE FRAME AND COVER SHALL BE NEENAH FOUNDRY, INC. MODEL #R-1557 OR APPROVED EQUIVALENT.
 - B: 24" DIA. DRAIN MANHOLE FRAME AND COVER SHALL BE NEENAH FOUNDRY, INC. MODEL #R-1556 OR APPROVED EQUIVALENT.
 3. ALL DRAIN MANHOLES SHALL HAVE 24" DIA. DRAIN MANHOLE COVER UNLESS NOTED OTHERWISE.

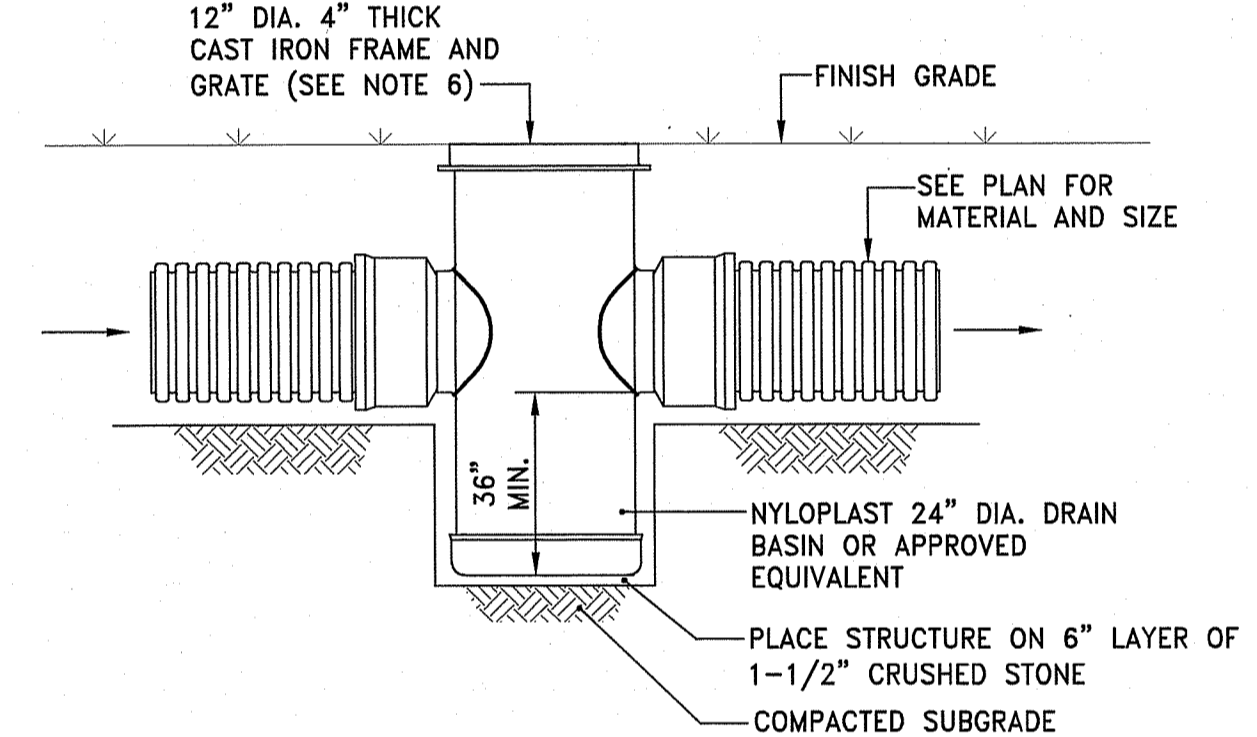
DRAIN MANHOLE FRAME & COVER
NOT TO SCALE



NOTES:

1. INTERNAL CYLINDER ADAPTER TO BE WELDED TO HDPE, OUTSIDE DIAMETER TO BE INSERTED INTO INSIDE DIAMETER OF CONCRETE PIPE.
2. NON-WOVEN GEOTEXTILE TO BE WRAPPED AROUND CONNECTION WITH FULL SEAM OVERLAP TO PROVIDE FULL PROTECTION FROM SOIL INTRUSION.
3. CONNECTION TO BE MADE IN ACCORDANCE WITH PIPE MANUFACTURER'S REQUIREMENTS.
4. INTERNAL CYLINDER SPIGOT ADAPTER NOT REQUIRED IF HDPE IS CONNECTION TO "BELL" END OF RCP.

HDPE/RCP PIPE JOINT
NOT TO SCALE



NOTES:

1. DRAIN BASIN SHALL BE CUSTOM MANUFACTURED FOR THE PROJECT WITH THE INLETS AND OUTLETS REQUIRED.
2. STRUCTURES SHALL BE CONSTRUCTED TO WITHSTAND LOADS IMPOSED BY CONSTRUCTION VEHICLES.
3. DRAIN BASIN SHALL BE CONSTRUCTED OF HIGH DENSITY POLYETHYLENE.
4. FRAME AND GRATE SHALL BE CONSTRUCTED OF DUCTILE IRON AND CONFORM TO ASTM A536 GRADE 70-50-05. PROVIDE NYLOPLAST S499CGS OR APPROVED EQUIVALENT UNLESS SPECIFIED OTHERWISE.
5. PROVIDE DOME GRATE FOR AD-1 AND AD-3, NYLOPLAST 2499CGD OR APPROVED EQUIVALENT. SET TOP FRAME AT RIM ELEVATION.

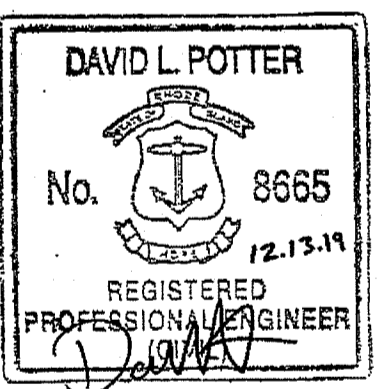
AREA DRAIN DETAIL
NOT TO SCALE



OWNER/APPLICANT:
SMITHFIELD ELEMENTARY
SCHOOLS
49 FARNUM PIKE
SMITHFIELD, RI 02917

SCALE ADJUSTMENT GUIDE
0 1
BAR IS ONE INCH ON ORIGINAL DRAWING

Smithfield Elementary School Improvements
McCabe School
100 Pleasant View Ave
Smithfield, Rhode Island



REVISIONS:

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATE: 12-13-19
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

PROJECT NO.: 19056.00
DATE: DECEMBER 13, 2019
SCALE: NOT TO SCALE
DESIGNED BY: VAH
CHECKED BY: DLP
DRAWN BY: AKL
APPROVED BY: DLP
DRAWING TITLE:

DETAILS 10
DRAWING NO.:
SHEET NO. 29 OF 33
C7.10

APR 22 2020
 CIVIL ENGINEER

OWNER/APPLICANT:
 SMITHFIELD ELEMENTARY
 SCHOOLS
 49 FARNUM PIKE
 SMITHFIELD, RI 02917

SCALE ADJUSTMENT GUIDE
 0" 1"
 BAR IS ONE INCH ON ORIGINAL DRAWING

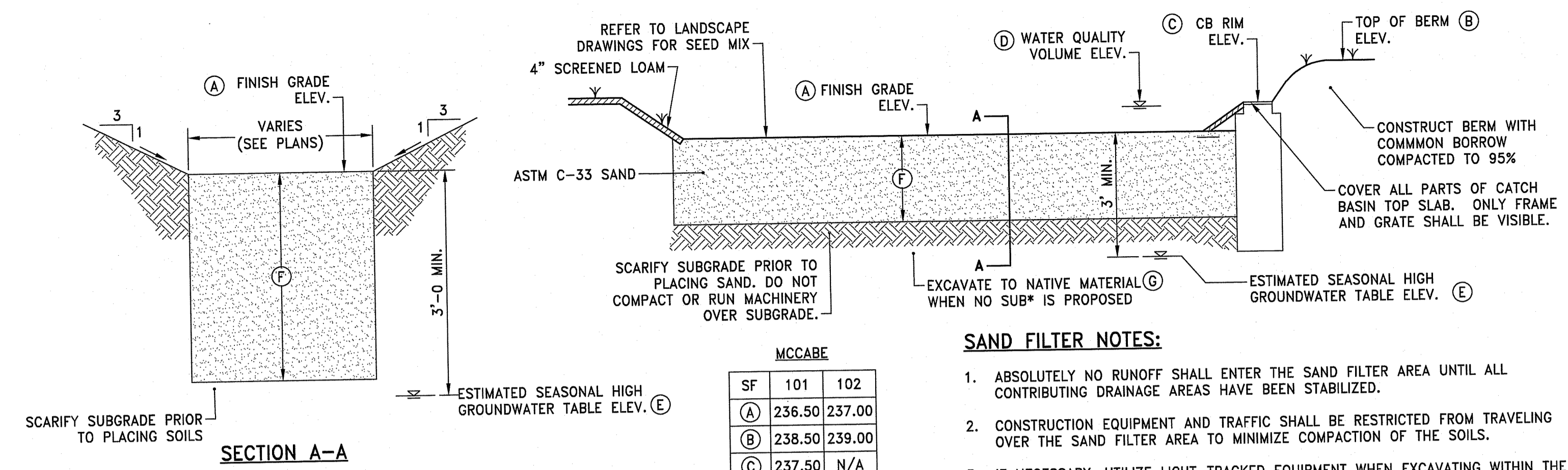
Smithfield Elementary School Improvements
 McCabe School
 100 Pleasant View Ave
 Smithfield, Rhode Island

REVISIONS:

NO.	DATE	DESCRIPTION
1	4-03-20	RIDEM COMMENTS

PROJECT NO.: 19058.00
 DATE: DECEMBER 19, 2019
 SCALE: NOT TO SCALE
 DESIGNED BY: VAH
 CHECKED BY: DLP
 DRAWN BY: AKL
 APPROVED BY: DLP
 DRAWING TITLE:

DETAILS 11
 DRAWING NO.: C7.11
 SHEET NO. OF 33



MCCABE

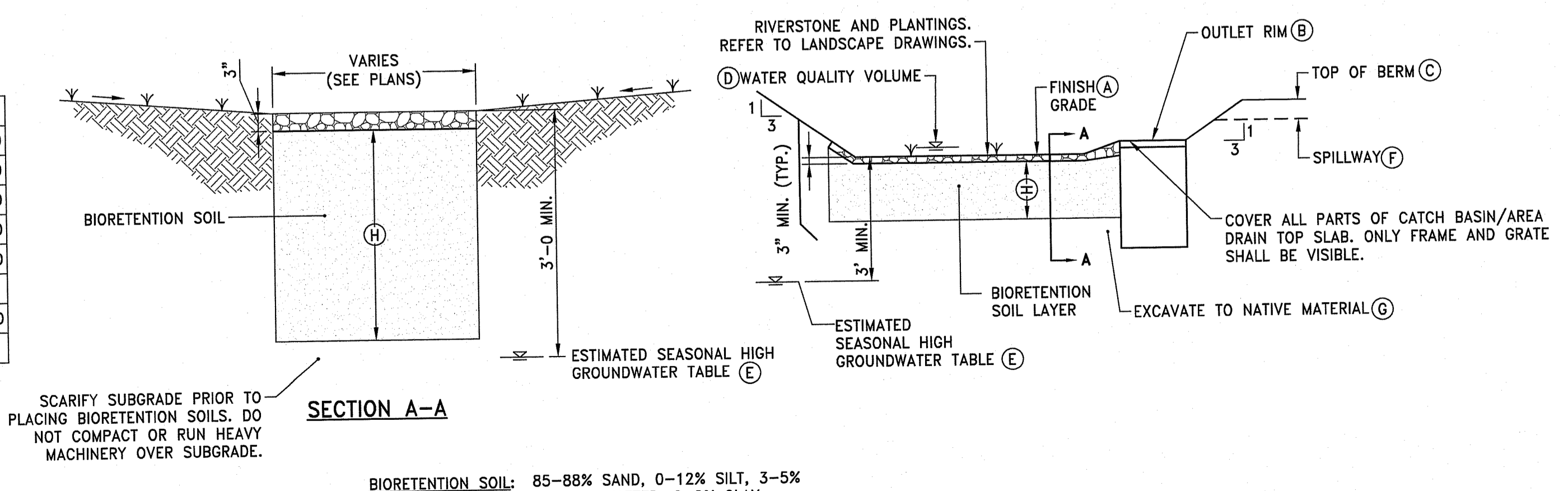
SF	101	102
(A)	236.50	237.00
(B)	238.50	239.00
(C)	237.50	N/A
(D)	236.90	237.70
(E)	229.40	229.60
(F)	48"	36"
(G)	232.50	233.00

- SAND FILTER NOTES:**
- ABSOLUTELY NO RUNOFF SHALL ENTER THE SAND FILTER AREA UNTIL ALL CONTRIBUTING DRAINAGE AREAS HAVE BEEN STABILIZED.
 - CONSTRUCTION EQUIPMENT AND TRAFFIC SHALL BE RESTRICTED FROM TRAVELING OVER THE SAND FILTER AREA TO MINIMIZE COMPACTION OF THE SOILS.
 - IF NECESSARY, UTILIZE LIGHT-TRACKED EQUIPMENT WHEN EXCAVATING WITHIN THE SAND FILTER AREA TO AVOID COMPACTION OF THE BASIN FLOOR.
 - INITIAL EXCAVATION SHALL BE CARRIED TO WITHIN 1 FOOT OF THE SUBGRADE ELEVATION. FINAL EXCAVATION TO THE BASIN SUBGRADE SHALL BE DEFERRED UNTIL ALL UPSTREAM DISTURBED AREAS HAVE BEEN STABILIZED OR PROTECTED.
 - CONTRACTOR SHALL CONTACT THE ENGINEER 48 HOURS PRIOR TO EXPOSING THE SUBGRADE TO COORDINATE ENGINEER'S OBSERVATION OF SUBGRADE.
 - CONSTRUCTION OF THE SYSTEM SHALL NOT COMMENCE UNTIL ENGINEER OBSERVES SUBGRADE AND BACKFILL MEDIA AND GRANTS PERMISSION TO PROCEED.
 - OVER EXCAVATION BELOW SUBGRADE SHALL BE REPLACED WITH ASTM C-33 SAND.
 - SEE PLANS FOR LOCATIONS AND INVERTS OF CATCH BASINS/ AREA DRAINS.
 - NOT ALL SAND FILTER AREAS INCLUDE A CATCH BASIN/ AREA DRAIN (SEE PLANS).
 - CONTRACTOR SHALL EXCAVATE FILL DOWN TO NATURAL SOILS. REMOVE ALL 'A'-LAYER, 'B'-LAYER, AND FILL SOILS. CONSTRUCT SUBGRADE USING ASTM C-33 SAND. REFER TO TEST PIT LOGS FOR ELEVATION OF NATURAL SOILS. REMOVE ALL GRAY-LIKE FILL AND BUILDING MATERIAL WITHIN FOOTPRINT.

SAND FILTER DETAIL
 NOT TO SCALE

MCCABE

BIO	101	102	103
(A)	231.00	237.00	238.00
(B)	N/A	N/A	239.00
(C)	233.00	239.00	240.00
(D)	230.20	235.30	238.20
(E)	225.10	230.10	230.60
(F)	N/A	N/A	N/A
(G)	228.00	233.00	233.00
(H)	33"	45"	33"

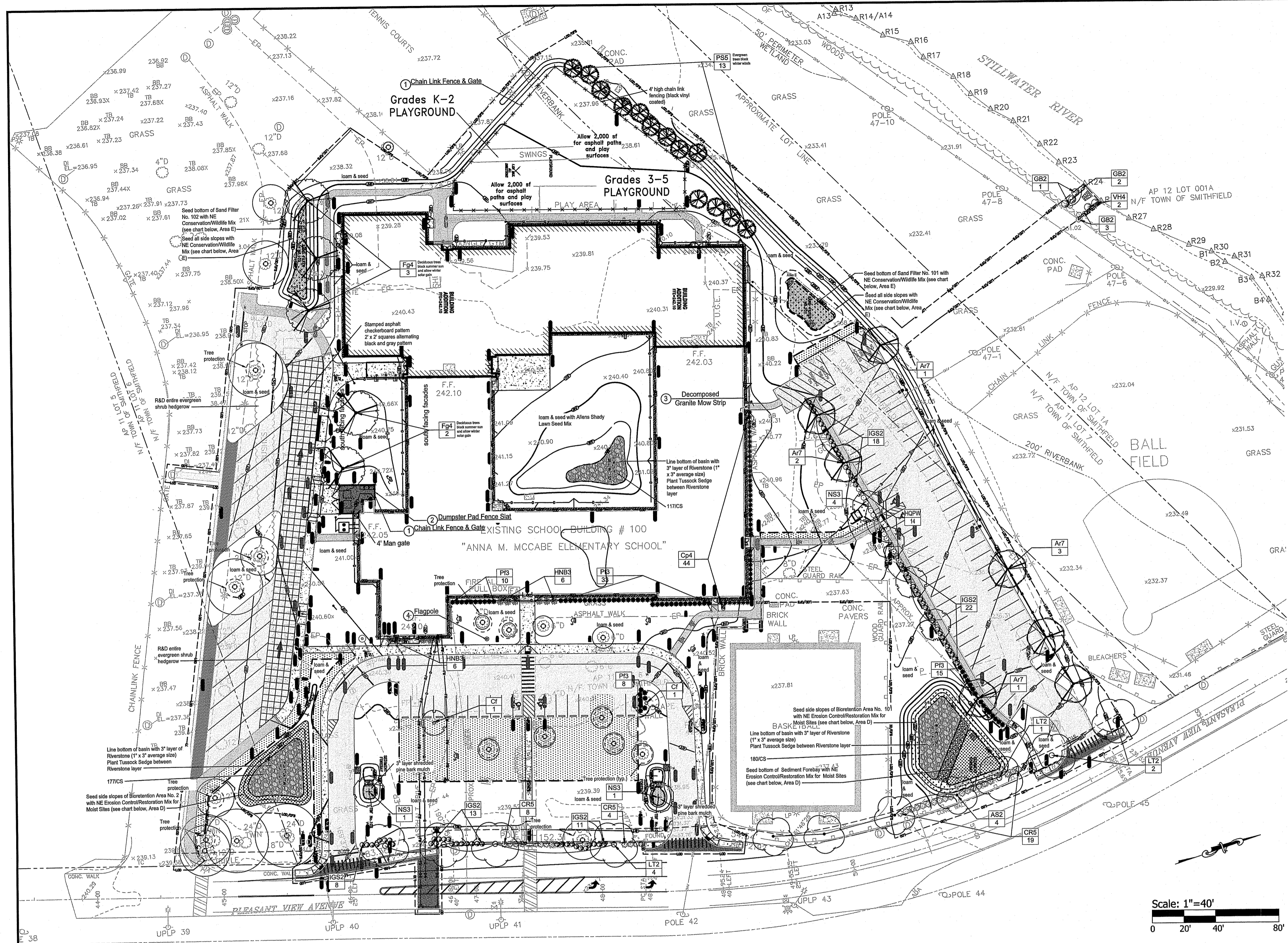


BIOWATER SOIL: 85-88% SAND, 0-12% SILT, 3-5% ORGANIC MATTER, 0-2% CLAY.

BIOWATER DETAIL
 NOT TO SCALE

- BIOWATER NOTES:**
- ABSOLUTELY NO RUNOFF SHALL ENTER THE BIOWATER AREA UNTIL ALL CONTRIBUTING DRAINAGE AREAS HAVE BEEN STABILIZED.
 - CONSTRUCTION EQUIPMENT AND TRAFFIC SHALL BE RESTRICTED FROM TRAVELING OVER THE BIOWATER AREA TO MINIMIZE COMPACTION OF THE SOILS.
 - IF NECESSARY, UTILIZE LIGHT-TRACKED EQUIPMENT WHEN EXCAVATING WITHIN THE BIOWATER AREA TO AVOID COMPACTION OF THE BASIN FLOOR.
 - INITIAL EXCAVATION SHALL BE CARRIED TO WITHIN 1 FOOT OF THE SUBGRADE ELEVATION. FINAL EXCAVATION TO THE BASIN SUBGRADE SHALL BE DEFERRED UNTIL ALL UPSTREAM DISTURBED AREAS HAVE BEEN STABILIZED OR PROTECTED.
 - CONTRACTOR SHALL CONTACT THE ENGINEER 48 HOURS PRIOR TO EXPOSING THE SUBGRADE TO COORDINATE ENGINEER'S OBSERVATION OF SUBGRADE.
 - CONSTRUCTION OF THE SYSTEM SHALL NOT COMMENCE UNTIL ENGINEER OBSERVES SUBGRADE AND BACKFILL MEDIA AND GRANTS PERMISSION TO PROCEED.
 - OVER EXCAVATION BELOW SUBGRADE SHALL BE REPLACED WITH ASTM C-33 SAND.
 - SEE PLANS FOR LOCATIONS AND INVERTS OF CATCH BASINS/ AREA DRAINS.
 - NOT ALL BIOWATER AREAS INCLUDE A CATCH BASIN/ AREA DRAIN (SEE PLANS).
 - CONTRACTOR SHALL EXCAVATE FILL DOWN TO NATURAL SOILS. REMOVE ALL 'A'-LAYER, 'B'-LAYER, AND FILL SOILS. CONSTRUCT SUBGRADE USING ASTM C-33 SAND. REFER TO TEST PIT LOGS FOR ELEVATION OF NATURAL SOILS. REMOVE ALL GRAY-LIKE FILL AND BUILDING MATERIAL WITHIN FOOTPRINT.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED MAY 21 2020 FILE # 19-0317
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE



CONCEPTUAL LANDSCAPE PLAN
Scale: 1" = 40'

BIO-RETENTION AND SAND FILTER AREAS SEEDING MIXES

SYM	BOTANICAL NAME	COMMON NAME	INDICATOR
C	NEW ENGLAND WETMIX		
	ALISMIA PLANTAGO-AQUATICA	MUD PLANTAIN	OBL
	ASCLEPIAS INCARNATA	SWAMP MILKWEED	OBL
	ASTER NOVI-BELGII	NEW YORK ASTER	FCW
	BIDENS CERNUA	NOODING BUR MARIGOLD	OBL
	CAREX COMOSA	FRINGED SEDGE	OBL
	CAREX GRINITA	HOP SEDGE	OBL
	CAREX LUPULINA	LURID SEDGE	FCW
	CAREX LURIDA	BLUNT BROOM SEDGE	OBL
	CAREX SCOPARIA	FOX SEDGE	FCW
	CAREX VULPINOIDEA	SPOTTED JOE PYE WEEED	FCW
	EUPATORIUM MACULATUM	BONASET	OBL
	EUPATORIUM PERFOOLIATUM	RATTLESNAKE GRASS	OBL
	GLYCERIA CANADENSIS	FOWL MANNAGRASS	FCW
	GLYCERIA STRIATA	SOFT RUSH	OBL
	JUNCUS EFFUSUS	SQUARE STEMMED MONKEY FLOWER	FCW
	MIMULUS RINGENS	SENSITIVE FERN	FCW
	ONOCLEA SENSIBILIS		

NOTE: CONTRACTOR TO SOW 12.6 LBS. OF ABOVE SEED AT 18 LBS/ACRE. SEED TO BE SHOWN BY THE HAND BROADCAST METHOD.

BIO-RETENTION, DETENTION AND SAND FILTER AREAS SEEDING MIXES

Area	BOTANICAL NAME	COMMON NAME	INDICATOR
E	NEW ENGLAND CONSERVATION/WILDLIFE MIX		
	ELYMUS VIRGINICUS	VIRGINIA WILD RYE	FACW
	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	FACU
	ANDROPOGON GERARDII	BIG BLUESTEM	FAC
	FESTUCA RUBRA	RED FESCUE	FAC
	SORGHASTRUM NUTANS	INDIAN GRASS	UPL
	PANICUM VIRGATUM	SWITCHGRASS	FAC
	CHAMAECRISTA FASCICULATA	PARTRIDGE PEA	FACU
	DESMODIUM CANADENSE	SHOWY TICK TRIFOIL	FAC
	ASCLEPIAS TUBEROSA	BITTERLY MILKWEEED	NI
	BIDENS FRONDOSA	PURPLE JOE PYE WEEED	FACW
	EUPATORIUM PRPURREUM	BLACK EYED SUSAN	FACU
	RUDBECKIA HIRTA	HEATH ASTER	UPL
	ASTER PILOSUS	EARLY GOLDENROD	OBL
	SOLIDAGO JUNCEA		

NOTE: CONTRACTOR TO SOW 25 LBS. OF ABOVE SEED/ACRE. SEED TO BE SHOWN BY THE HAND BROADCAST METHOD.

BIO-RETENTION BASIN - PLANT SCHEDULE

QTY.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
xxx	CS	CARIX STRICTA	TUSsock SEDGE	1 GALLON	36" ON CENTER

NOTE: CONTRACTOR TO SOW 25 LBS. OF ABOVE SEED/ACRE. SEED TO BE SHOWN BY THE HAND BROADCAST METHOD.

SEEDING MIX - SHADY LAWN AREAS

Application Rate	Seed Blend
Allen's Seed Mix	25% Improved Perennial Rye
5 - 7 pounds / 1,000 SF	25% Creeping Red Fescue
	20% Chewing Fescue
	20% Hard Fescue
	5% Improved Kentucky Bluegrass
	5% Poa trivialis

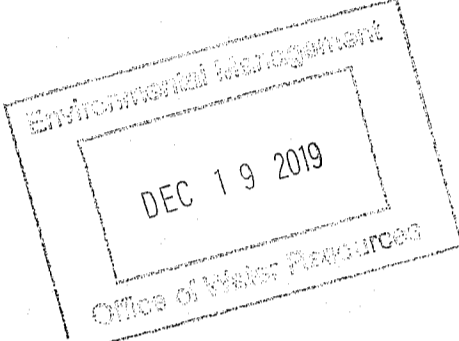
SYM	BOTANICAL NAME	COMMON NAME	INDICATOR
D	NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR MOIST SITES		
	ARGOSTIS PERENNANS	UPLAND BENTGRASS	FACU
	ARGOSTIS STOLONIFERA	CREeping BENTGRASS	FACW
	ANDROPOGON GERARDII	BIG BLUESTEM, NIAGRA	OBL
	ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER	FACW
	CAREX VULPINOIDEA	FOX SEDGE	OBL
	ELYMUS VIRGINICUS	VIRGINIA WILD RYE	FACW
	EUPATORIUM PERFOOLIATUM	BONASET	FAC
	EUTHAMIA GRAMINIFOLIA (SOLIDAGO G.)	GRASS LEAVED GOLDENROD	FAC
	FESTUCA RUBRA	CREeping RED FESCUE	FACU
	JUNCUS EFFUSUS	SOFT RUSH	FACW
	ONOCLEA SENSIBILIS	SENSITIVE FERN	FACW
	PANICUM VIRGATUM	SWITCHGRASS	FAC
	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	FACU
	SCRIPUS ATROVIRENS	GREEN BULRUSH	OBL
	SCRIPUS CYPERINUS	WOOL GRASS	FACW
	VERBENA HASTATA	BLUE VERVAIN	FACW

NOTE: CONTRACTOR TO SOW 10.5 LBS. OF ABOVE SEED AT 35 LBS/ACRE. SEED TO BE SHOWN BY THE HAND BROADCAST METHOD.

ADD ALTERNATE

PLANT SCHEDULE

DECIDUOUS TREES	CODE	QTY	BOTANICAL / COMMON NAME	B&B	CALIPER	SIZE
	Ar7	7	Acer rubrum / Red Maple	B & B	2.5" Cal	
	AS2	4	Acer saccharum / Sugar Maple	B & B	2.5" Cal	
	Fg4	5	Fagus grandifolia / American Beech	B & B	2.5" Cal	
	LT2	7	Liriodendron tulipifera / Tulip Tree	B & B	2.5" Cal	
	NS3	6	Nyssa sylvatica / Sour Gum Native to RI	B & B	2.5" Cal	
EVERGREEN TREES	CODE	QTY	BOTANICAL / COMMON NAME	B&B	CALIPER	SIZE
	PS5	13	Pinus strobus / White Pine	B & B	5" - 6" HT.	
FLOWERING TREES	CODE	QTY	BOTANICAL / COMMON NAME	B&B	CALIPER	SIZE
	Cf	2	Cornus florida / Eastern Dogwood	B&B; 6'-7' HT.		
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONT/B&B	SIZE	SPACING
	Cp4	44	Comptonia peregrina / Sweet Fern	1 gal		
	CR5	31	Cornus sericea / Red Twig Dogwood	3 gal		
	GB2	5	Gaylussacia baccata / Black Huckleberry	5 gal		
	HNB3	12	Hydrangea macrophylla 'Nikko Blue' / Nikko Blue Hydrangea	2 gal		
	HQPW	14	Hydrangea quercifolia 'Pee Wee'	3 gal		
	IGS2	72	Ilex glabra 'Shamrock' / Inkberry	3 gal		
	PI3	66	Potentilla fruticosa / Bush Cinquefoil	1 gal		
	VH4	5	Vaccinium corymbosum / Highbush Blueberry	5 gal		



SMITHFIELD LANDSCAPING STANDARDS
CHAPTER 231 Landscaping Requirements

General Requirements

ZONING CRITERIA	REQUIRED	PROPOSED	ARTICLE V
DECIDUOUS TREE CALIPER SIZE	2 1/2 INCH CALIPER	2 1/2 INCH CALIPER	B.2)(a)
CANOPY TREE CALIPER SIZE	2 1/2 INCH CALIPER	2 1/2 INCH CALIPER	B.2)(b)
EVERGREEN TREE HEIGHT	8 FEET	8 FEET	B.2)(c)
ORNAMENTAL TREE HEIGHT	6 FEET	8 FEET	B.2)(d)
SHRUB HEIGHT	2 FEET	2 FEET	B.2)(e)
BUFFER STRIP BETWEEN PROPERTY LINE AND PARKING	10 FEET	?	E.(1)
NUMBER OF TREES ALONG STREETS	40 FEET ON CENTER MINIMUM*	40 FEET ON CENTER OR 18 TREES (SEE PLAN FOR SPECIFICS)	E.(2)
PARKING LOT SCREENING ADJACENT TO PUBLIC STREET	SCREENING AT LEAST 1/2 OF STREET FRONTAGE*	353 LIN. FT. PROVIDED (SEE PLAN FOR SPECIFICS)	E.(3)
PERMETER PARKING LOT SCREENING RELATING TO ADJUTING PROPERTIES	N/A	PROPERTY OWNED BY TOWN OF SMITHFIELD	F.(1-4)
LANDSCAPED ISLANDS	N/A - NO ISLANDS PROPOSED	N/A	G.(1)
LANDSCAPED AREAS IN PARKING LOT	150 SQ. FT./10 SPACES	(SEE PLAN FOR SPECIFICS)	G.(2)
TREES IN PARKING LOT	2 TREES/12 SPACES	(SEE PLAN FOR SPECIFICS)	G.(3)
MINIMUM LANDSCAPE AREA IN PARKING LOT	50% OF EACH LANDSCAPED AREA	GRASS PROVIDED FOR ALL LANDSCAPED AREAS	G.(4)
BUILDING PERMETER LANDSCAPING ADJACENT TO PARKING	3 SIDES	3 SIDES PROVIDED	H.
SITE DISTANCE			
1" INTERSECTION OF STREETS	10 FEET IN LENGTH	10 FEET	I.(1)
CORNER INTERSECTION OF STREETS	30 FEET IN LENGTH	N/A	I.(2)

*NOTE: ALL CALCULATIONS FOR PERMETER SCREENING BASED ON PROJECT LIMIT OF DISTURBANCE

GENERAL LANDSCAPE NOTES

- Remove all existing play structures and equipment and stockpile. Location to be determined by Owner.
- Loam and seed as shown on the Plan including all disturbed areas within the LOD.
- Provide tree protection as per RIDOT STD. 51.1.1.
- Remove and stockpile benches and planters in construction area. Location to be determined by Owner.

BASE BID

- Loam and seed disturbed areas within Limit of Disturbance
- Storm Water management systems
 - Bioretention - 8,442 4" wetland plugs (all basins project-wide)
 - Sand Filter and Forebay basin bottoms and side slopes - Areas 'C' and 'D' (see Plan for locations)
- Decomposed Granite Strip



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Landscape Architects
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Smithfield, Rhode Island 02917
www.dianesouleandassociates.com
401-231-8719
dcs@diaassociates.com

SCALE ADJUSTMENT GUIDE
0" = 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

Smithfield Elementary School Improvements
McCabe School
100 Pleasant View Ave
Smithfield, Rhode Island



REVISIONS:

NO.	DESCRIPTION	DATE
1	AS SPECIFIED IN T-1E LETTER TO APPROVAL	MAY 21 2020
2	NO CHANGES ALLOWED WITHIN CONSTRUCTION SITE	

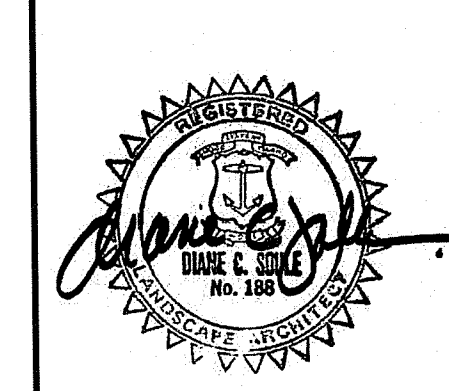
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DATE: DECEMBER 13, 2019
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CHECKED BY: DCS
DRAWN BY: DCS
APPROVED BY: DCS
DRAWING TITLE:

L1.0
DRAWING NO.:
SHEET NO. 32 OF 33

Environmental Management
 DEC 19 2019
 Office of Water Resources

SCALE ADJUSTMENT GUIDE
 0' 1' 2'
 BAR IS ONE INCH ON ORIGINAL DRAWING

Smithfield Elementary School Improvements
McCabe School
 100 Pleasant View Ave
 Smithfield, Rhode Island

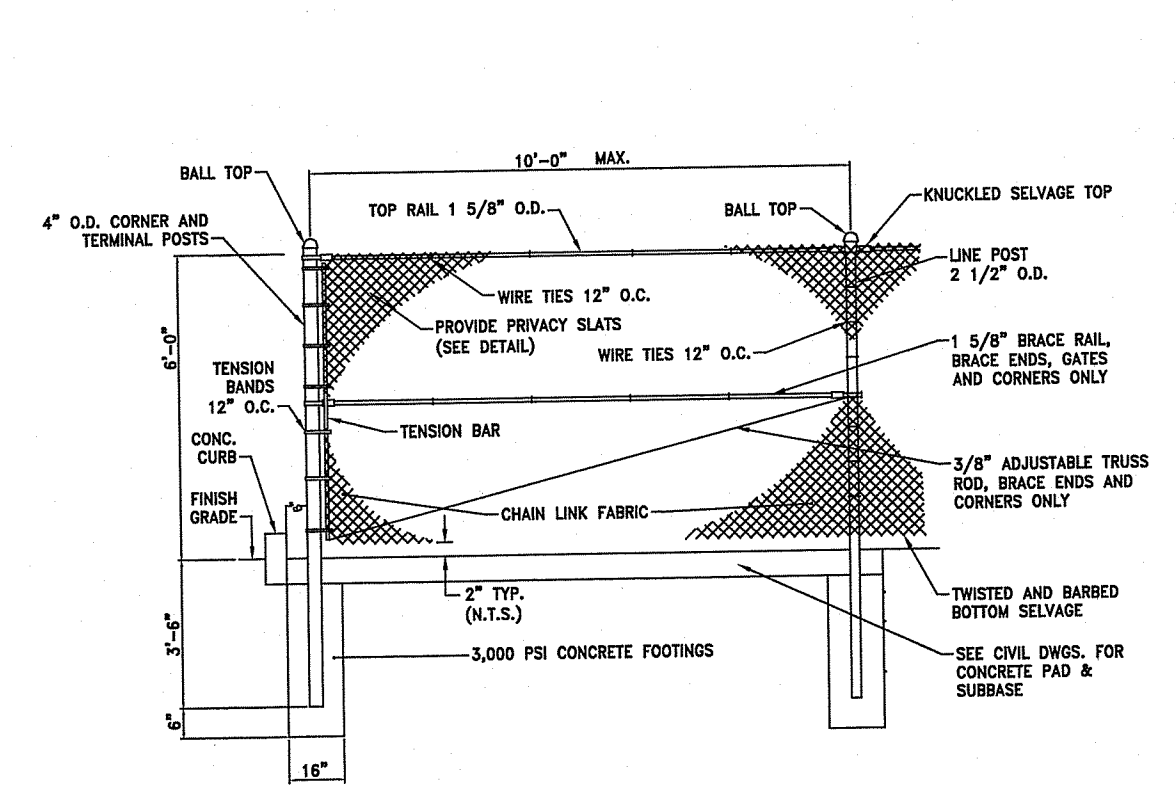


REVISIONS:

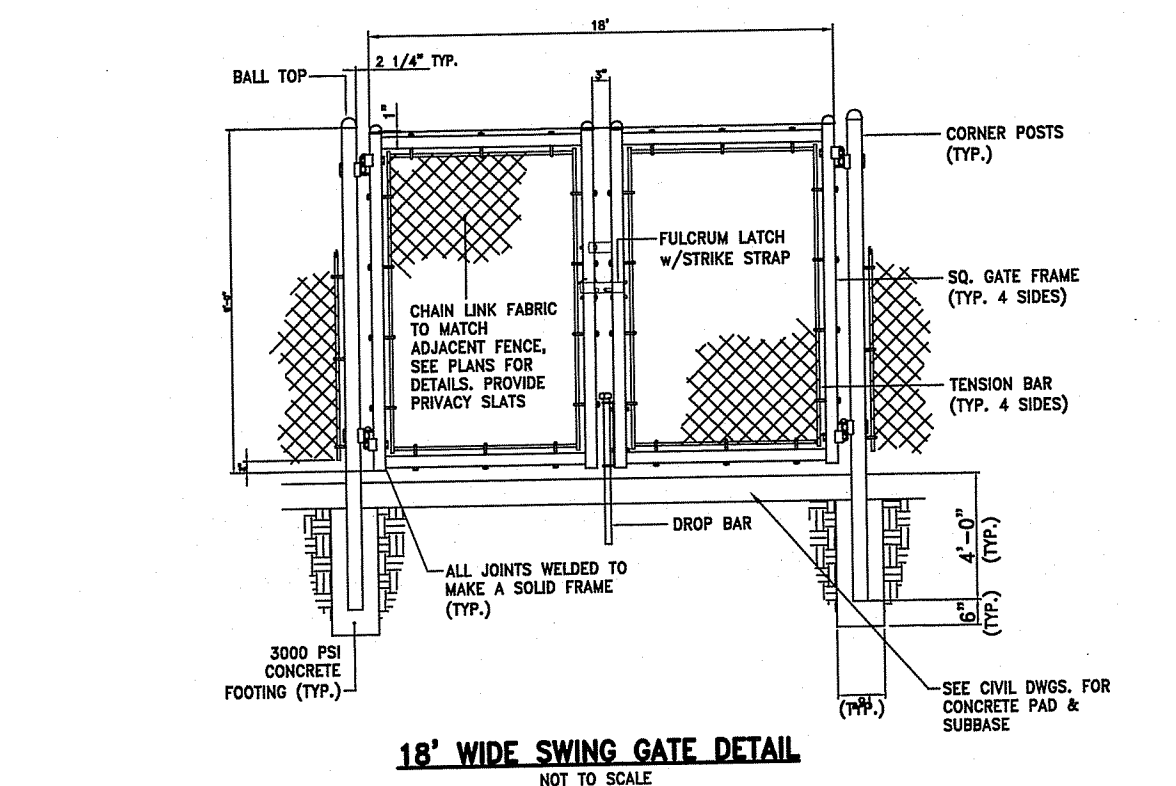
NO.	DESCRIPTION	DATE

PROJECT NO.: 19056.00
 DATE: DECEMBER 13, 2019
 SCALE:
 DESIGNED BY: DCS
 CHECKED BY: DCS
 DRAWN BY: DCS
 APPROVED BY: DCS
 DRAWING TITLE:
L1.1
 DRAWING NO.:
 SHEET NO. 33 OF 33

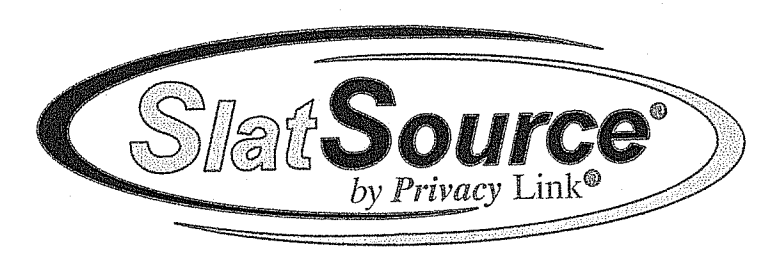
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
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 DATED MAY 21 2020 FILE # 190517
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1 CHAIN LINK FENCE & GATE DETAIL
 NO SCALE



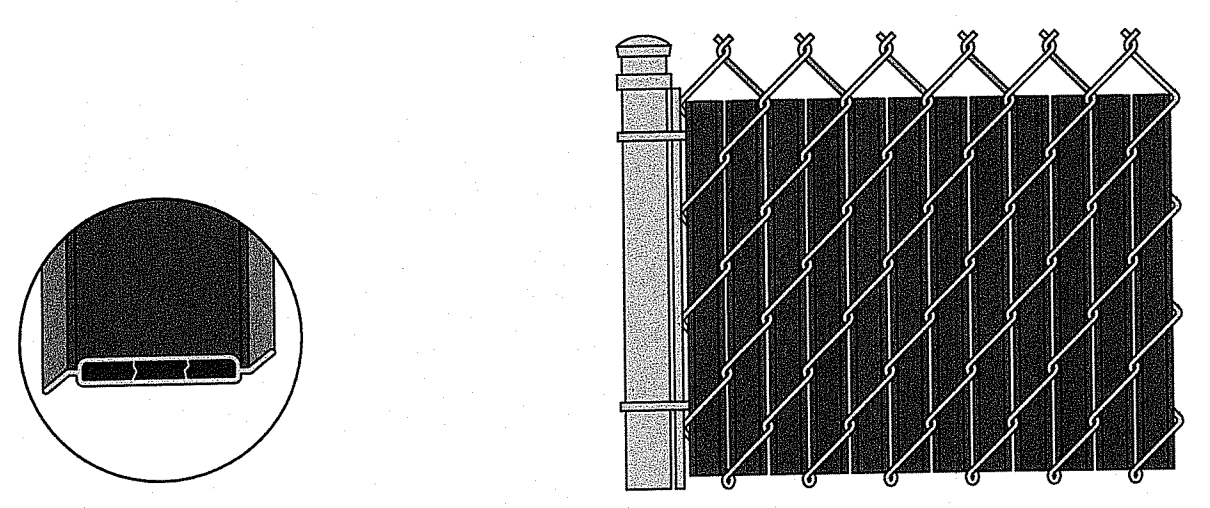
2 DUMPSTER PAD FENCE SLAT DETAIL
 NO SCALE



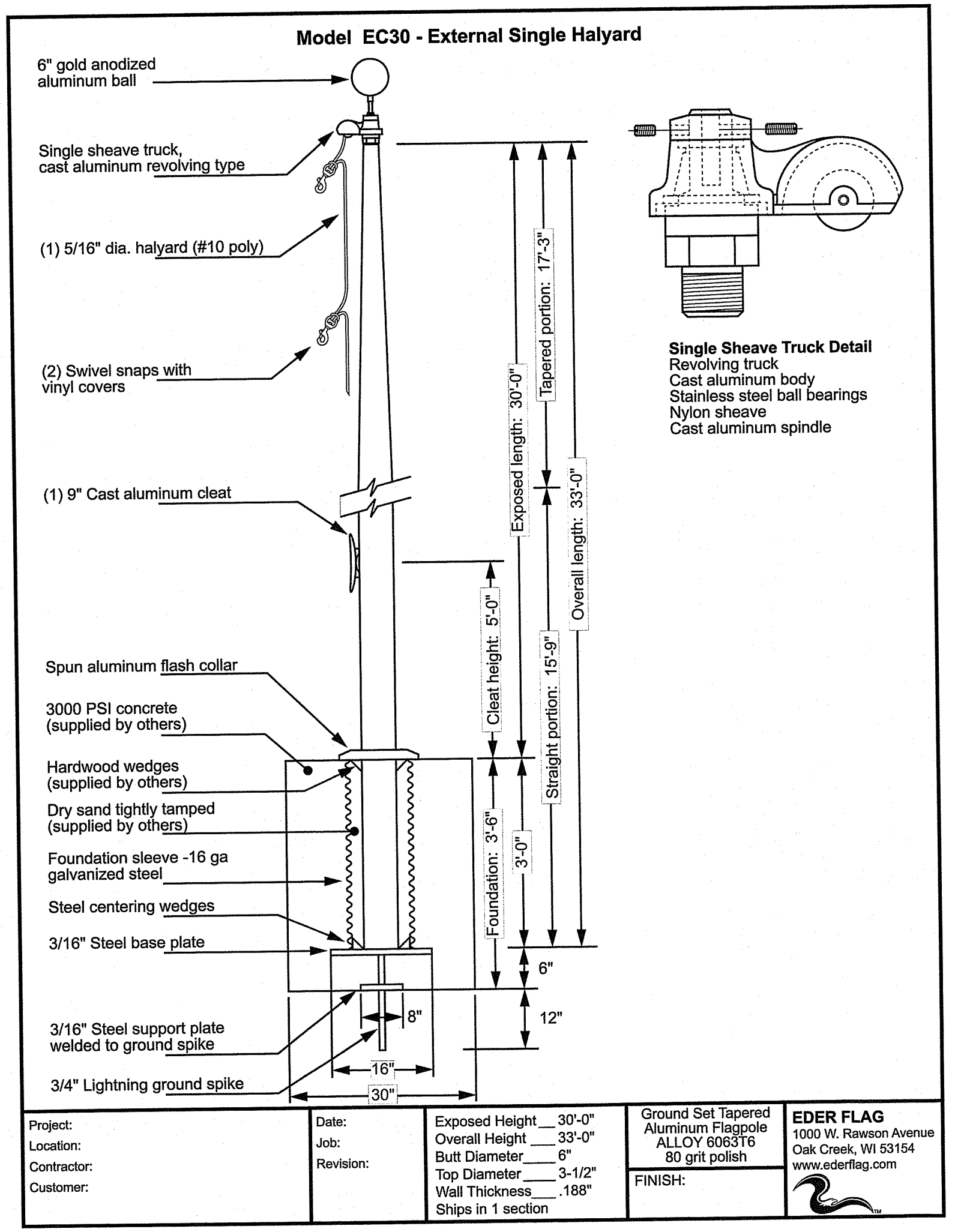
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 www.eprivacylink.com
 FIN2000® (PATENTED)

FIN2000® SPECIFICATIONS

SLAT NAME	SLAT WIDTH	MESH SIZE	WIRE GAUGE	COVERAGE AREA	SLAT COLOR
FIN2000	2 3/16"	3 1/2" X 5" ONLY	9 OR 10 GAUGE ONLY	25 LINEAR FEET	BLACK

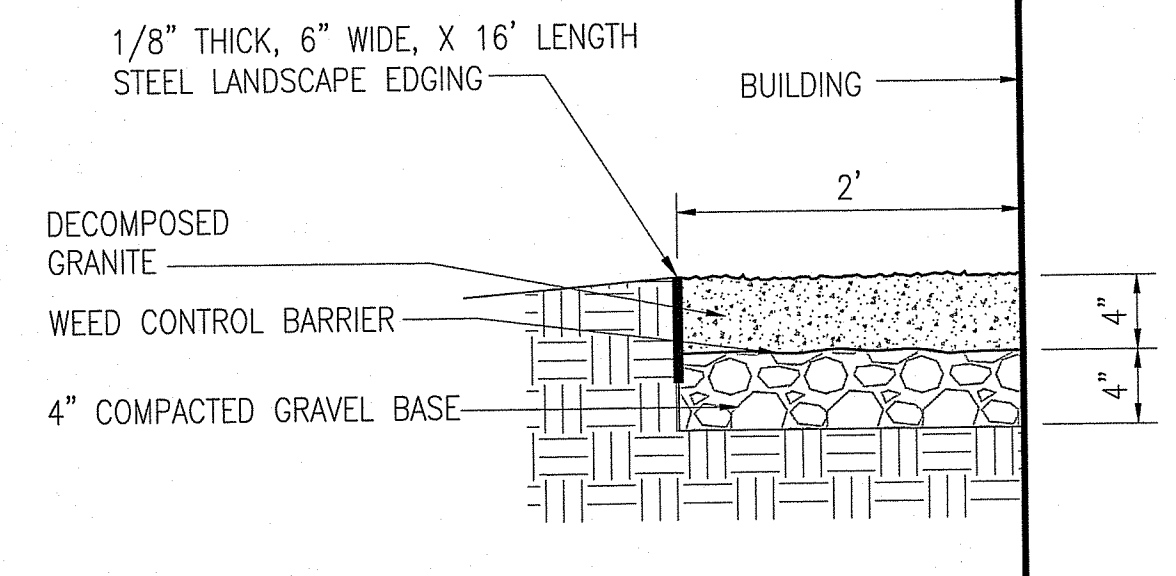


3 DECOMPOSED GRANITE MOW STRIP
 NO SCALE



4 FLAGPOLE
 NO SCALE

NOTES:
 1. BLACK POWDER-COAT FINISH
 2. MANUFACTURED BY THE J.D. RUSSELL COMPANY 'DURAEDGE STEEL LANDSCAPE EDGING'
 1.800.888.7425 OR APPROVED EQUAL



NOTE: CONDITION APPLIES AT ALL LOCATIONS WHERE LAWN ABUTS BUILDING

3 DECOMPOSED GRANITE MOW STRIP
 NO SCALE

Project:	Date:	Exposed Height: 30'-0"	Ground Set Tapered Aluminum Flagpole ALLOY 6063T6 80 grit polish	EDER FLAG 1000 W. Rawson Avenue Oak Creek, WI 53154 www.ederflag.com
Location:	Job:	Overall Height: 33'-0"	Butt Diameter: 6"	
Contractor:	Revision:	Top Diameter: 3-1/2"	Wall Thickness: .188"	FINISH:
Customer:		Ships in 1 section		