East Providence High School

-

2000 Pawtucket Ave.
East Providence, RI

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

OWNER/APPLICANT:

East Providence School District
c/o Kathryn Crowley, Superintendent
145 Taunton Avenue
East Providence, RI 02914

OWNERS PROJECT MANAGER:

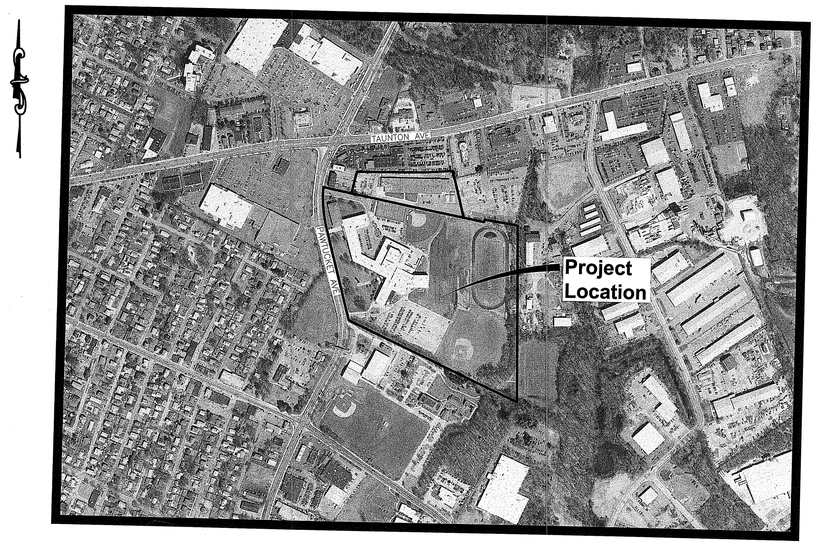
Sam Bradner
Peregrine Group LLC
20 Newman Avenue, Suite 1005
Rumford, RI 02916

CIVIL ENGINEER:

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

LANDSCAPE ARCHITECT:

TRAVERSE
landscape architects
150 Chestnut Street, 4th Floor
Providence, RI 02903



Scale : N.T.S.

RIDEM SUBMISSION
September 27, 2019
Revised February 7, 2020

Environmental Management
FEB 10 2020
Office of Water Resources

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11	C2.0	OVERALL DEMOLITION, EROSION & SEDIMENT CONTROL PLAN
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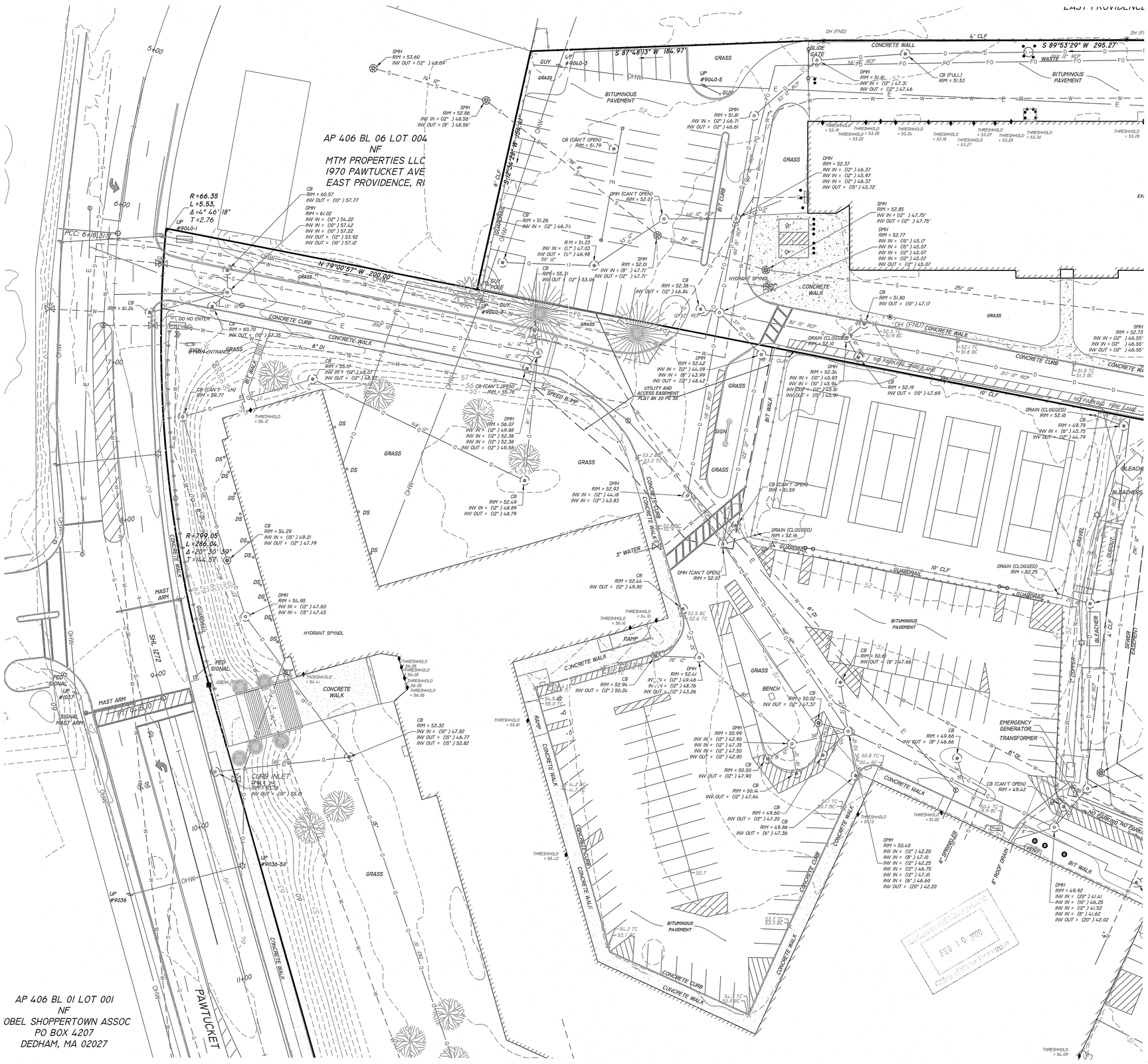
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 18 2020 FILE # 19-0215
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE



EAST PROVIDENCE

NAD83 RI STATE PLANE

GENERAL NOTES:

1. LOTS SHOWN ON EAST PROVIDENCE ASSESSORS MAP 406 BLOCK 06 LOTS 001, 005, AND 009.
2. OWNER OF RECORD: CITY OF EAST PROVIDENCE
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PLAN REFERENCE:

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CERTIFICATIONS:

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BY: Marc N Nyberg

REGISTERED PROFESSIONAL LAND SURVEYOR: MARC N. NYBERG, PLS DATE
REGISTRATION/LICENSE NUMBER: PLS RI 1797 C.O.A.: LS-A468

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
APPLICATION FOR A FRESHWATER WETLANDS PERMIT
FOR SPECIFIED ACTIVITIES LETTER OF APPROVAL
DATED MAR 19 2020 19-0295
NO CHANGES AUTHORIZED WITHOUT WRITTEN APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 INCH = 30 FT.

FEB 10 2020
CITY OF EAST PROVIDENCE

InSite Engineering Services, LLC
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SUPERINTENDENT
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EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

MARC N. NYBERG
No. 1797
PROFESSIONAL LAND SURVEYOR

REVISIONS:

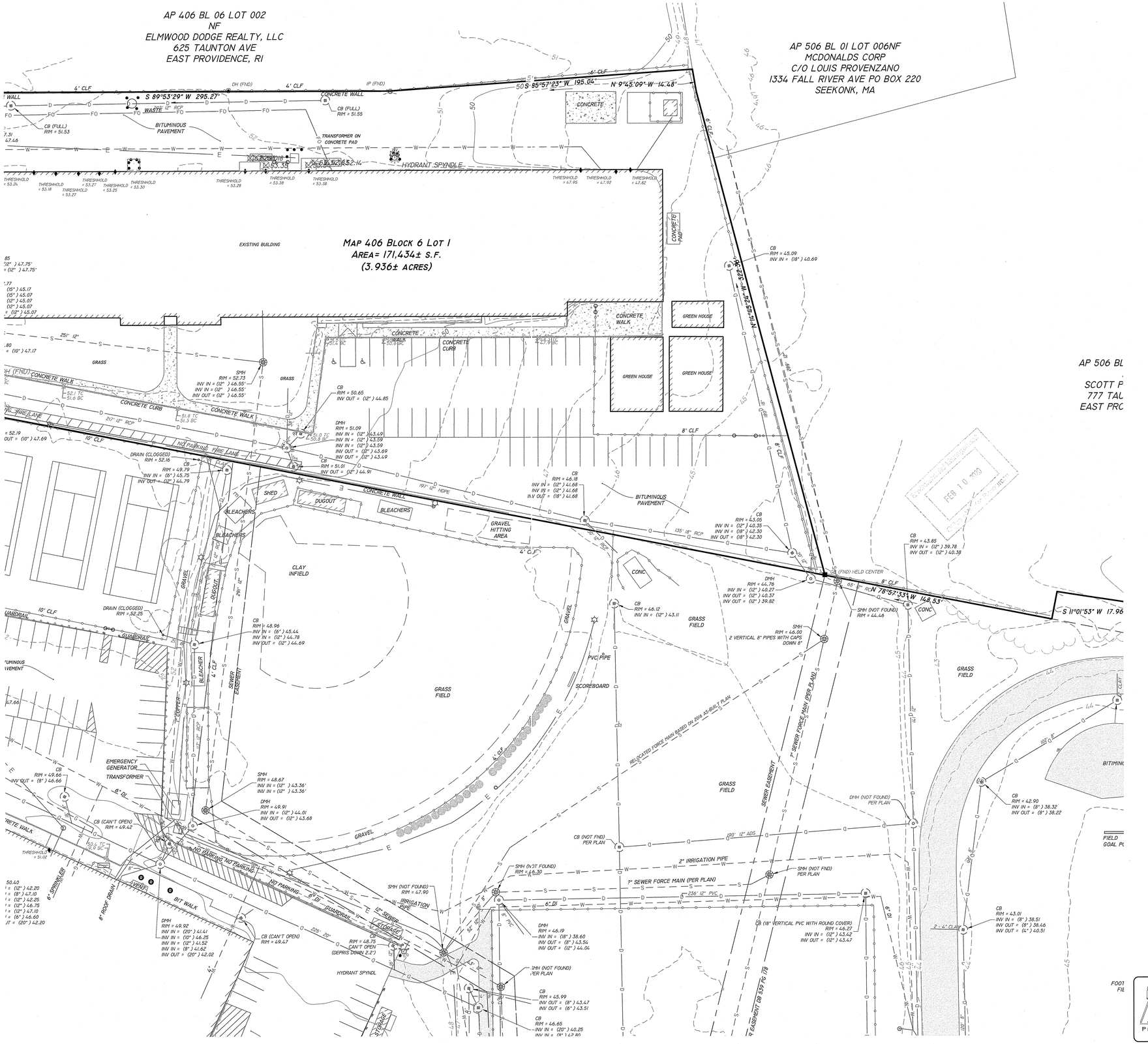
PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	
DESIGNED BY:	SA
CHECKED BY:	PDC
DRAWN BY:	SA
APPROVED BY:	MN

DRAWING TITLE:

EXISTING CONDITIONS PLAN 1

DRAWING NO.:

SHEET NO. 2 OF 65



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BY: Marc N Nyberg

REGISTERED PROFESSIONAL LAND SURVEYOR: MARC N. NYBERG, PLS DATE
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APPROVED WITH CONDITIONS
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GRAPHIC SCALE

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SCALE ADJUSTMENT GUIDE
0" 1"
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PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

MARC N. NYBERG
No. 1797
PROFESSIONAL LAND SURVEYOR

REVISIONS:

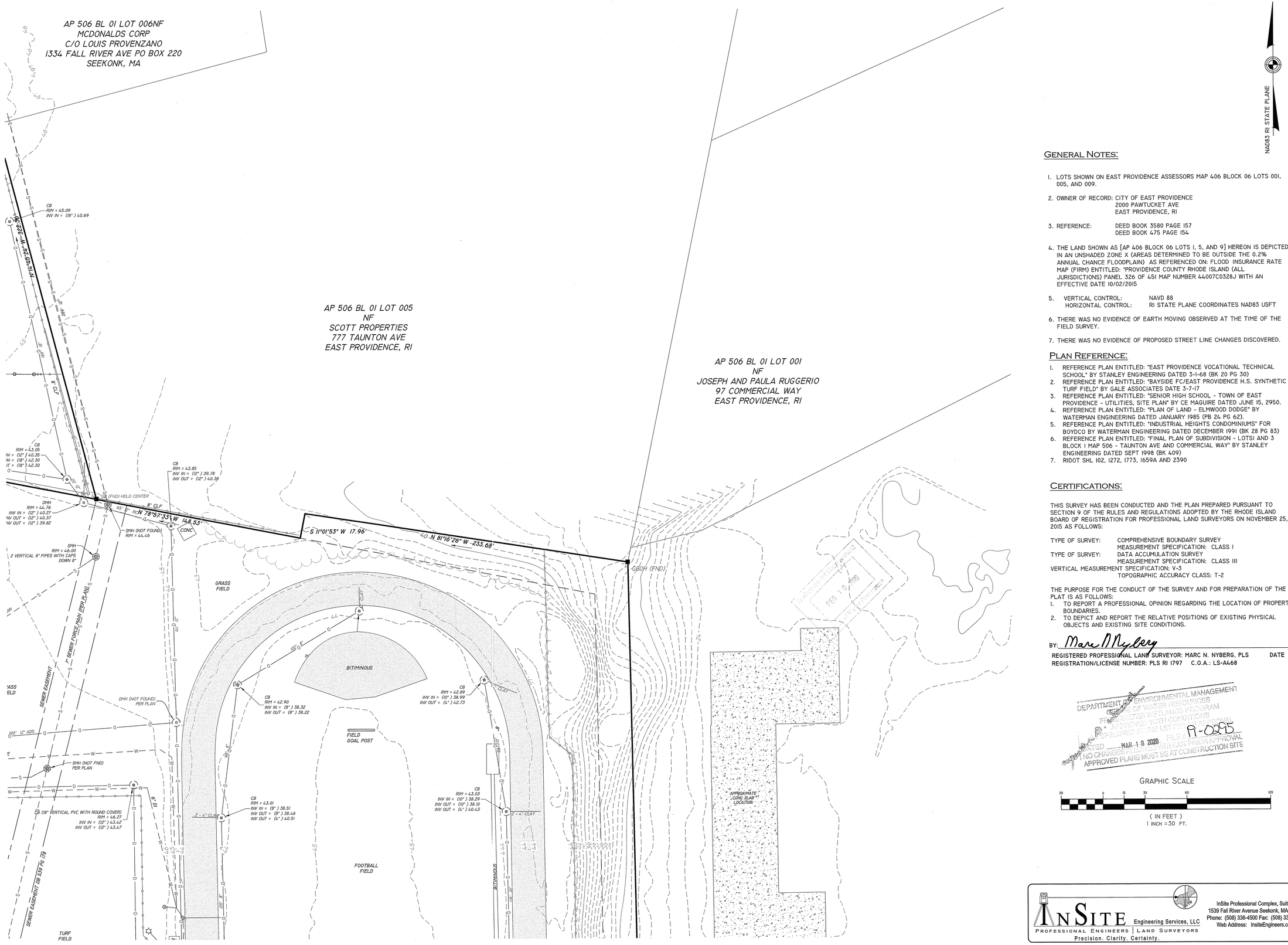
PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	
DESIGNED BY:	SA
CHECKED BY:	PDC
DRAWN BY:	SA
APPROVED BY:	MN

DRAWING TITLE:

EXISTING CONDITIONS PLAN 2

DRAWING NO.:

SHEET NO. 3 OF 65



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EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

MARC N. NYBERG
No. 1797
PROFESSIONAL LAND SURVEYOR

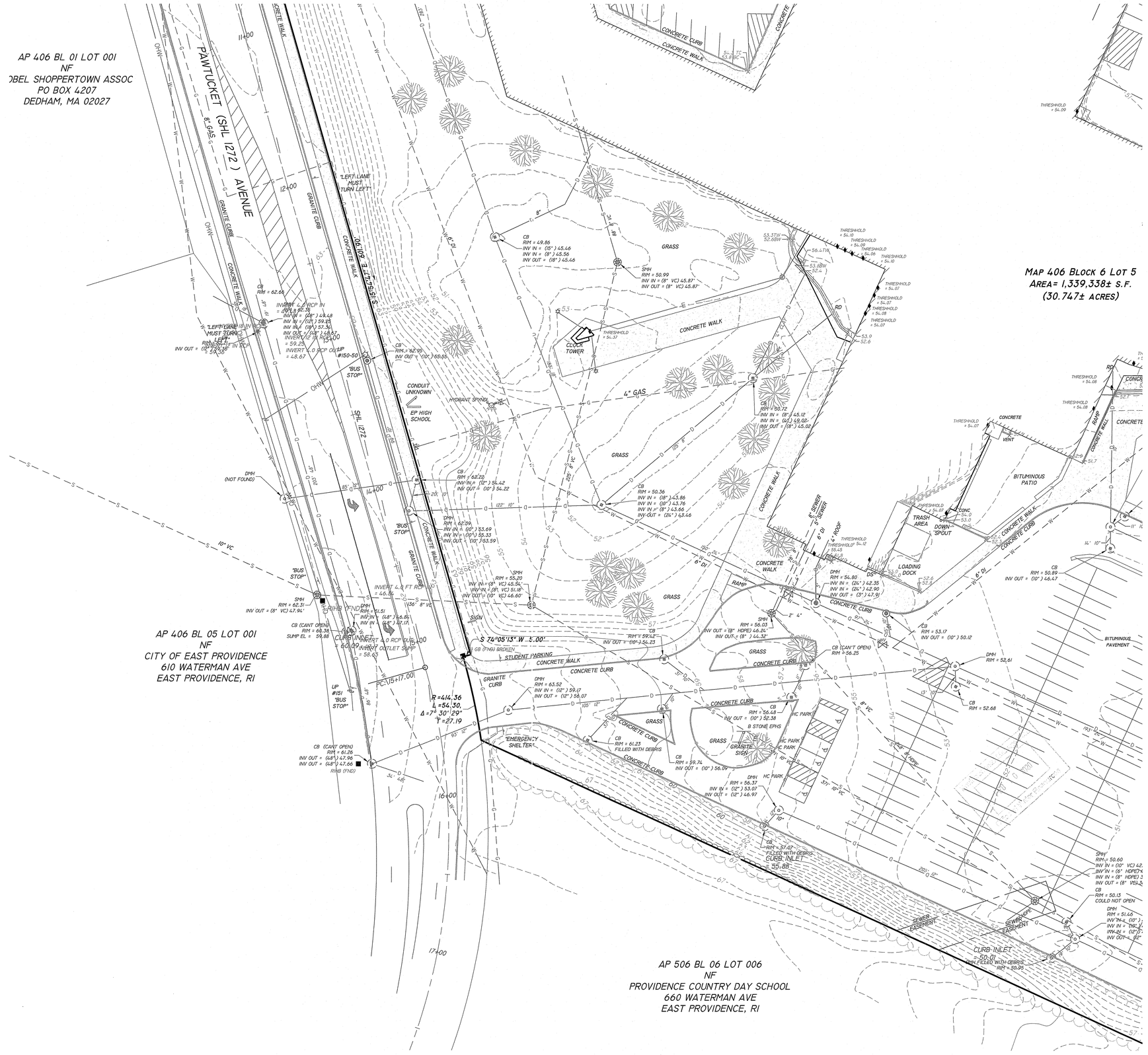
REVISIONS:

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	
DESIGNED BY:	SA
CHECKED BY:	PDC
DRAWN BY:	SA
APPROVED BY:	MN

DRAWING TITLE:
EXISTING CONDITIONS PLAN 3

DRAWING NO.:

SHEET NO. 4 OF 65



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MAR 18 2020 19-0295

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SCALE:	
DESIGNED BY:	SA
CHECKED BY:	PDC
DRAWN BY:	SA
APPROVED BY:	MN

DRAWING TITLE:

EXISTING CONDITIONS PLAN 4

DRAWING NO.:

SHEET NO. 5 OF 65

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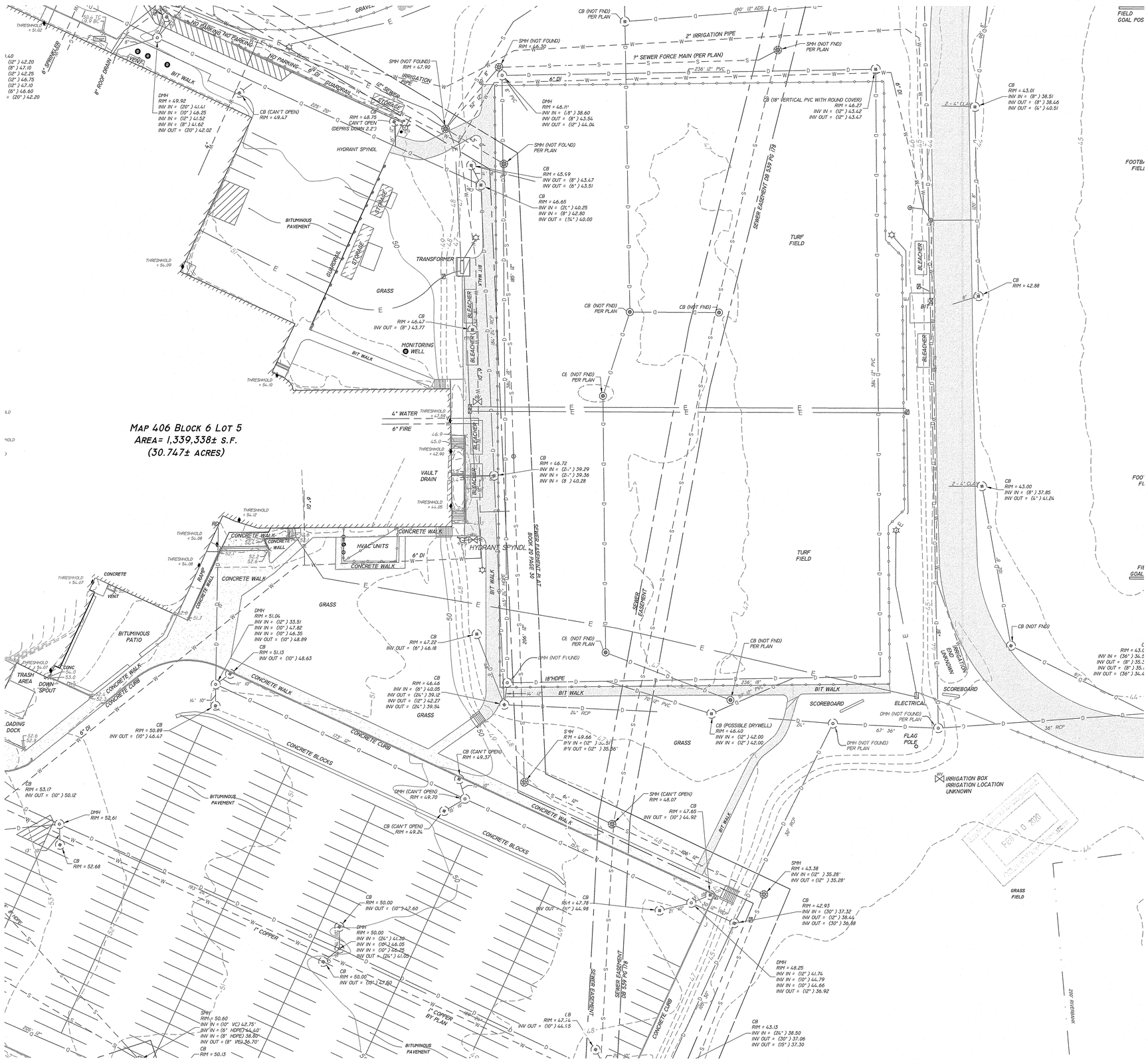

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7. RIDOT SHL 102, 1272, 1773, 1659A AND 2390

CERTIFICATIONS:

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015 AS FOLLOWS:

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MEASUREMENT SPECIFICATION: CLASS I
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MEASUREMENT SPECIFICATION: CLASS III
VERTICAL MEASUREMENT SPECIFICATION: V-3
TOPOGRAPHIC ACCURACY CLASS: T-2

THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR PREPARATION OF THE PLAT IS AS FOLLOWS:
1. TO REPORT A PROFESSIONAL OPINION REGARDING THE LOCATION OF PROPERTY BOUNDARIES.
2. TO DEPICT AND REPORT THE RELATIVE POSITIONS OF EXISTING PHYSICAL OBJECTS AND EXISTING SITE CONDITIONS.

BY: Marc N Nyberg
REGISTERED PROFESSIONAL LAND SURVEYOR: MARC N. NYBERG, PLS DATE
REGISTRATION/LICENSE NUMBER: PLS RI 1797 C.O.A.: LS-A468

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 18 2020 FILE # 19-0215
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 INCH = 30 FT.

FEB 0 2020

InSite Engineering Services, LLC
PROFESSIONAL ENGINEERS | LAND SURVEYORS
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InSite Professional Complex, Suite 1
1539 Fall River Avenue Seekonk, MA 02771
Phone: (508) 336-4500 Fax: (508) 336-4558
Web Address: InsiteEngineers.com

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

OWNER:
EAST PROVIDENCE
SCHOOL DISTRICT
C/O KATHRYN CROWLEY,
SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL
EAST PROVIDENCE, RHODE ISLAND

MARC N. NYBERG
No. 1797
PROFESSIONAL LAND SURVEYOR

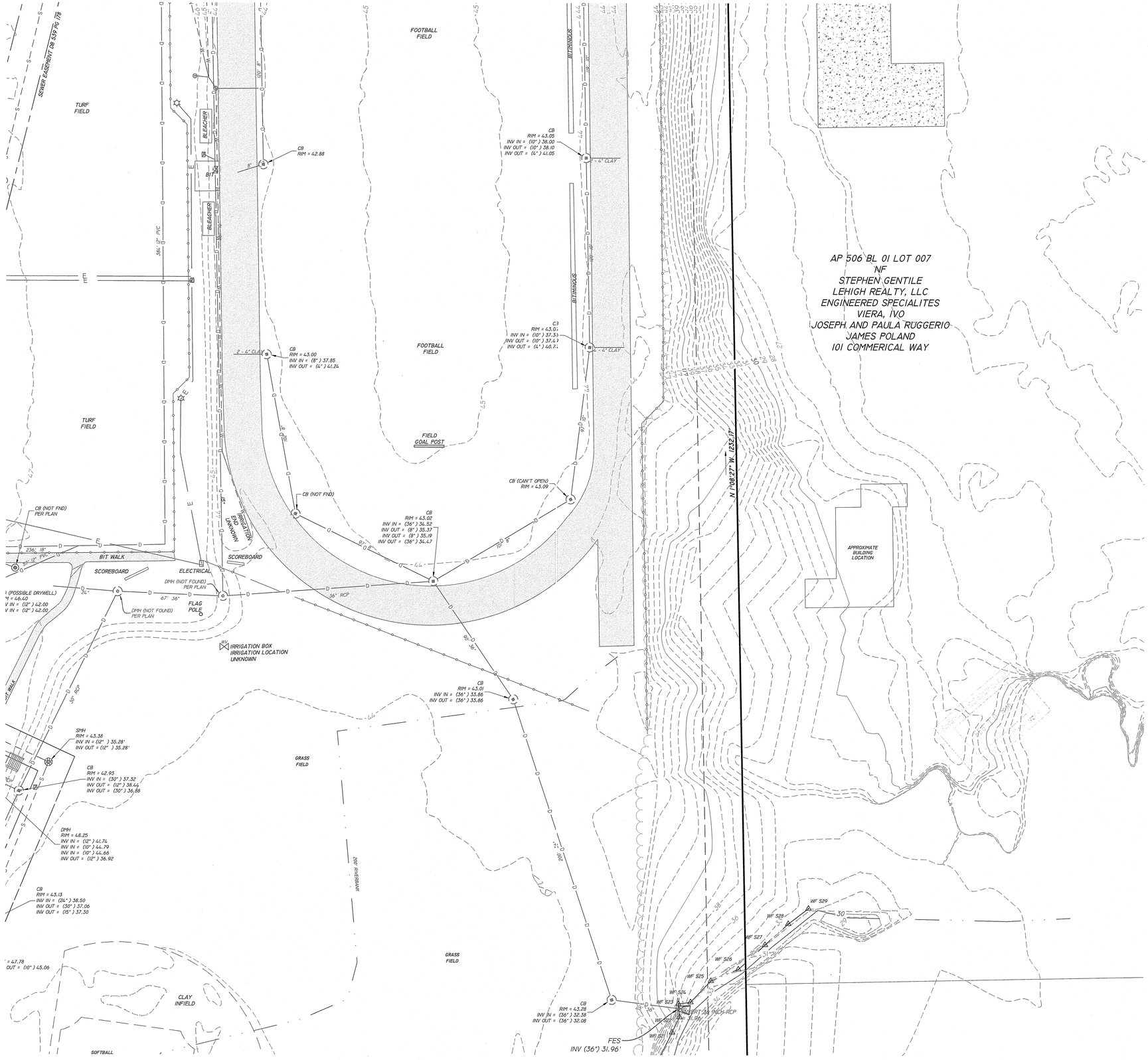
REVISIONS:

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	
DESIGNED BY:	SA
CHECKED BY:	PDC
DRAWN BY:	SA
APPROVED BY:	MN

DRAWING TITLE:
EXISTING CONDITIONS PLAN 5

DRAWING NO.:

SHEET NO. 6 OF 65



NAD83 RI STATE PLANE

GENERAL NOTES:

1. LOTS SHOWN ON EAST PROVIDENCE ASSESSORS MAP 406 BLOCK 06 LOTS 001, 005, AND 009.
2. OWNER OF RECORD: CITY OF EAST PROVIDENCE
   2000 PAWTUCKET AVE
   EAST PROVIDENCE, RI
3. REFERENCE: DEED BOOK 3580 PAGE 157
   DEED BOOK 475 PAGE 154
4. THE LAND SHOWN AS [AP 406 BLOCK 06 LOTS 1, 5, AND 9] HEREON IS DEPICTED IN AN UNSHADED ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS REFERENCED ON: FLOOD INSURANCE RATE MAP (FIRM) ENTITLED: "PROVIDENCE COUNTY RHODE ISLAND (ALL JURISDICTIONS) PANEL 326 OF 451 MAP NUMBER 44007C0328J WITH AN EFFECTIVE DATE 10/02/2015
5. VERTICAL CONTROL: NAVD 88
   HORIZONTAL CONTROL: RI STATE PLANE COORDINATES NAD83 USFT
6. THERE WAS NO EVIDENCE OF EARTH MOVING OBSERVED AT THE TIME OF THE FIELD SURVEY.
7. THERE WAS NO EVIDENCE OF PROPOSED STREET LINE CHANGES DISCOVERED.

PLAN REFERENCE:

1. REFERENCE PLAN ENTITLED: "EAST PROVIDENCE VOCATIONAL TECHNICAL SCHOOL" BY STANLEY ENGINEERING DATED 3-1-68 (BK 20 PG 30)
2. REFERENCE PLAN ENTITLED: "BAYSIDE FC/EAST PROVIDENCE H.S. SYNTHETIC TURF FIELD" BY GALE ASSOCIATES DATE 3-7-17
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7. RIDOT SHL 102, 1272, 1773, 1659A AND 2390

CERTIFICATIONS:

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015 AS FOLLOWS:

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BY: Marc N Nyberg

REGISTERED PROFESSIONAL LAND SURVEYOR: MARC N. NYBERG, PLS DATE
REGISTRATION/LICENSE NUMBER: PLS RI 1797 C.O.A.: LS-A468

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
PROJECT IS CONSISTENT WITH CRITERIA
AS SPECIFIED IN THE RHODE ISLAND FRESHWATER WETLANDS ACT
DATED MAR 19 2020 AND IS HEREBY GIVEN APPROVAL
19-0285
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

GRAPHIC SCALE

30 0 15 30 60 120
(IN FEET)
1 INCH = 30 FT.

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

MARC N. NYBERG
No. 1797
PROFESSIONAL LAND SURVEYOR

REVISIONS:

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	
DESIGNED BY:	SA
CHECKED BY:	PDC
DRAWN BY:	SA
APPROVED BY:	MN

DRAWING TITLE:
EXISTING CONDITIONS PLAN 6

DRAWING NO.:

SHEET NO. 7 OF 65

NAD83 RI STATE PLANE

GENERAL NOTES:

1. LOTS SHOWN ON EAST PROVIDENCE ASSESSORS MAP 406 BLOCK 06 LOTS 001, 005, AND 009.
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7. THERE WAS NO EVIDENCE OF PROPOSED STREET LINE CHANGES DISCOVERED.

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BY: Marc N Nyberg

REGISTERED PROFESSIONAL LAND SURVEYOR: MARC N. NYBERG, PLS DATE
REGISTRATION/LICENSE NUMBER: PLS RI 1797 C.O.A.: LS-A468

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
WETLANDS
APPROVED AS SHOWN ON APPLICATION SITE
MAR 10 2020 19-0295

GRAPHIC SCALE

30 0 15 30 60 120
(IN FEET)
1 INCH = 30 FT.

FEB 10 2020
Conservation Commission
East Providence, RI

InSite Professional Complex, Suite 1
1539 Fall River Avenue Seekonk, MA 02771
Phone: (508) 336-4500 Fax: (508) 336-4558
Web Address: InsiteEngineers.com

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SCALE ADJUSTMENT GUIDE
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BAR IS ONE INCH ON ORIGINAL DRAWING

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

MARC N. NYBERG
No. 1797
PROFESSIONAL LAND SURVEYOR

REVISIONS:

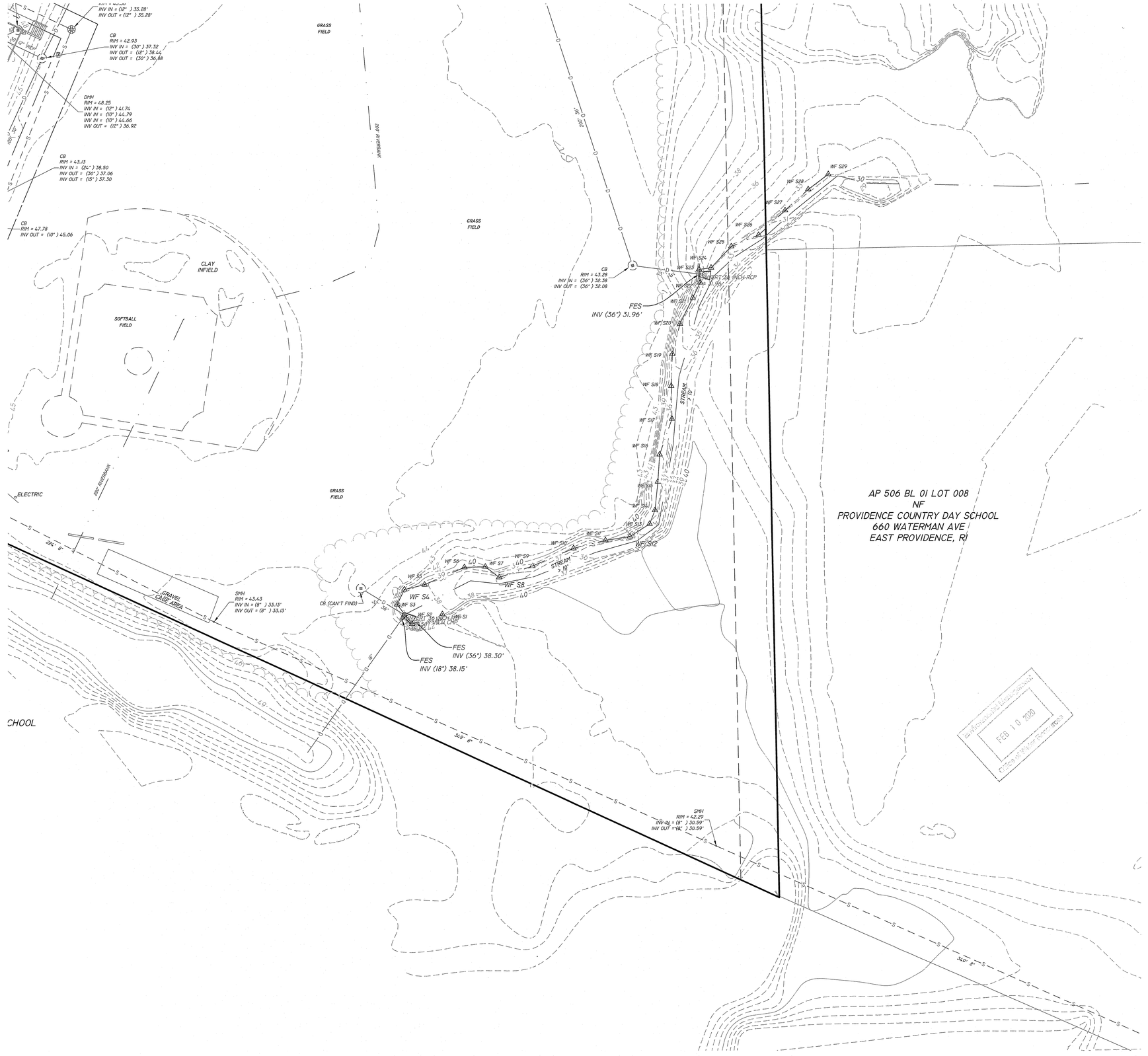
PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	
DESIGNED BY:	SA
CHECKED BY:	PDC
DRAWN BY:	SA
APPROVED BY:	MN

DRAWING TITLE:

EXISTING CONDITIONS PLAN 7

DRAWING NO.:

SHEET NO. 8 OF 65



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BY: Marc N Nyberg

REGISTERED PROFESSIONAL LAND SURVEYOR: MARC N. NYBERG, PLS DATE
REGISTRATION/LICENSE NUMBER: PLS RI 1797 C.O.A.: LS-A468

FEB 10 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 MAR 18 2020 FILE # 19-0215
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GRAPHIC SCALE

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SCALE ADJUSTMENT GUIDE
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EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

MARC N. NYBERG
No. 1797
PROFESSIONAL LAND SURVEYOR

REVISIONS:

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	
DESIGNED BY:	SA
CHECKED BY:	PDC
DRAWN BY:	SA
APPROVED BY:	MN

DRAWING TITLE:

EXISTING CONDITIONS PLAN 8

DRAWING NO.:

SHEET NO. 9 OF 65

REFERENCE

1. PROJECT LOCATION: 2000 PAWTUCKET AVE, EAST PROVIDENCE, RI 02914. ASSESSOR'S MAP 406, BLOCK 6, LOT 5.
2. EXISTING CONDITIONS MAPPING TAKEN FROM PLAN ENTITLED "EXISTING CONDITIONS PLAN" PREPARED BY INSITE ENGINEERING, DATED JANUARY 2019.
3. WETLAND FLAGS IDENTIFYING WETLAND RESOURCE AREAS WERE PLACED BY PARE CORPORATION ON NOVEMBER 7, 2018 AND LOCATED BY PARE CORPORATION USING A GPS DEVICE.

GENERAL NOTES

1. THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AMENDED MARCH 2018 WITH ALL REVISIONS AND ADDENDA, AND THE RHODE ISLAND STANDARD DETAILS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO. ALL WORK SHALL MEET OR EXCEED THE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, WITH LATEST REVISIONS. THE LATEST REVISION OF THE STANDARD SPECIFICATIONS MAY BE OBTAINED AT THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION.
2. THE CONTRACTOR SHALL MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS, PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE ENGINEER AND OWNER'S REPRESENTATIVE AS REQUIRED.
3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY. THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AND/OR BARRIERS AROUND ALL OPEN EXCAVATED AREAS IN ACCORDANCE WITH OSHA FEDERAL, STATE, AND LOCAL REQUIREMENTS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED. NO FIELD ADJUSTMENTS IN THE LOCATION OF SITE ELEMENTS SHALL BE MADE WITHOUT THE ENGINEERS APPROVAL.
5. IF ANY DEVIATION OR ALTERATION OF THE WORK PROPOSED ON THESE DRAWINGS IS REQUIRED, THE CONTRACTOR SHALL IMMEDIATELY CONTACT AND COORDINATE ANY DEVIATIONS WITH THE ENGINEER AND OWNER.
6. ANY AREA OUTSIDE OF THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
7. ALL SITE WORK SHALL MEET OR EXCEED THE SITE WORK SPECIFICATIONS PREPARED FOR THIS PROJECT.
8. ALL SIGNS SHALL BE REFLECTORIZED TYPE III SHEETING AND CONFORM WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST REVISION.
9. ALL UTILITIES (LOCATION AND ELEVATION) DEPICTED SHALL BE CONSIDERED APPROXIMATE ONLY. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-DIG-SAFE (1-888-344-7233) TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ALL DAMAGE TO EXISTING UTILITIES OR STRUCTURES, AND THE COST TO REPAIR THE DAMAGES TO INITIAL CONDITIONS, AS SHOWN ON THE PLANS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
10. NO EXCAVATION SHALL BE DONE UNTIL COMPANIES ARE PROPERLY NOTIFIED IN ADVANCE. NOTE THAT NOT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL RESPECTIVE UTILITY COMPANIES TO VERIFY AND LOCATE EXISTING UTILITIES.
11. CONTRACTOR IS RESPONSIBLE TO UNDERSTAND LOCAL AND STATE LAWS AND REGULATIONS, INCLUDING, BUT NOT LIMITED TO, RHODE ISLAND GENERAL LAWS, MOST CURRENT REVISION.

LAYOUT NOTES

1. ALL LINES ARE PERPENDICULAR OR PARALLEL TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.
2. ACCESSIBLE RAMPS SHALL BE CONSTRUCTED PER THE AMERICAN WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES.
3. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL PERFORM BENCHMARK FIELD LEVEL VERIFICATION AND COORDINATE LAYOUT CHECK. THE CONTRACTOR SHALL CONTACT PARE CORPORATION IF ANY DISCREPANCIES ARE FOUND.
4. DIMENSIONS OF PARKING SPACES AND DRIVEWAYS ARE FROM FACE OF CURB TO FACE OF CURB. DIMENSIONS FROM BUILDING ARE FROM FACE OF BUILDING TO FACE OF CURB.
5. ALIGN WALKWAYS ON DOORWAYS THEY SERVE TO PROVIDE MINIMUM REQUIRED MANEUVERING CLEARANCE IN ACCORDANCE WITH THE AMERICAN WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES.

DEMOLITION NOTES

1. THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION OF STRUCTURES, PAVEMENT AND CONCRETE MATERIALS, AND UTILITIES WITH APPROPRIATE PROPOSED SITE GENERAL, GRADING, UTILITY, AND LANDSCAPING DRAWINGS.
2. ALL NOTED UTILITIES TO BE REMOVED AND DISPOSED OF, RELOCATED OR CAPPED REPRESENT ALL KNOWN SITE CONDITIONS TO BE DEMOLISHED. THE CONTRACTOR SHALL COORDINATE ALL UNFORESEEN CONDITIONS WITH THE PROJECT ENGINEER, OWNER AND/OR RESPECTIVE UTILITY COMPANIES PRIOR TO PROCEEDING WITH WORK.
3. WATER, SEWER, DRAINAGE, GAS, AND OTHER SITE UTILITIES SERVICING THE EXISTING FACILITIES ARE TO REMAIN ACTIVE THROUGHOUT CONSTRUCTION.
4. THERE SHALL BE NO INTERRUPTION OF UTILITY SERVICES DURING THE CONSTRUCTION OPERATION WITHOUT APPROVAL OF THE OWNER.

GRADING AND UTILITY NOTES

1. UNDERGROUND UTILITIES DEPICTED WERE COMPILED FROM AVAILABLE RECORD PLANS AND SHALL BE CONSIDERED APPROXIMATE ONLY. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-DIG-SAFE (1-888-344-7233) TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES DEPICTED OR NOT DEPICTED ON THE PLANS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. COSTS TO REPAIR SUCH DAMAGES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL BE DONE UNTIL UTILITY COMPANIES ARE PROPERLY NOTIFIED.
2. ALL WORK PERFORMED AND ALL MATERIALS FURNISHED SHALL CONFORM WITH THE LINES AND GRADES ON THE PLANS AND SITE WORK SPECIFICATIONS.
3. 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.
4. 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.
5. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION OF PRIVATE UTILITIES BY THE UTILITY COMPANIES, AS REQUIRED.
6. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION SHALL BE PROVIDED ON A SKETCH TO SCALE OF THE EXISTING UTILITY WITH TIES TO KNOWN POINTS, PHOTOS AND FURNISHED TO THE ENGINEER FOR RESOLUTION.
7. THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND DRAINAGE, SEWER AND UTILITY FACILITIES FROM EXCESSIVE VEHICULAR LOADS DURING CONSTRUCTION. ANY DAMAGE TO THESE FACILITIES RESULTING FROM CONSTRUCTION LOADS SHALL BE RESTORED TO ORIGINAL CONDITION.
8. GAS, ELECTRIC, AND COMMUNICATIONS ROUTING ARE SUBJECT TO REVIEW AND APPROVAL BY APPROPRIATE UTILITY COMPANIES.
9. DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES BY PROVIDING TEMPORARY SUPPORTS OR SHEETING AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
10. ALL GRAVITY SANITARY PIPING SHALL BE SDR-35 PVC. ALL SEWER CONSTRUCTION SHALL CONFORM TO THE CITY OF EAST PROVIDENCE SEWER REGULATIONS.
11. ALL WATER LINE BENDS AND TEES SHALL BE REINFORCED WITH THRUST BLOCKS. ALL WATER DISTRIBUTION PIPING AND FITTINGS MUST ADHERE TO THE CITY OF EAST PROVIDENCE WATER UTILITIES SPECIFICATIONS AND SHALL BE INSPECTED BEFORE, DURING, AND AFTER CONSTRUCTION PRIOR TO TAPPING THE SERVICE MAIN.
12. EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
13. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MIN. OF 1/8" PER FOOT UNLESS SPECIFIED.
14. THE PROPOSED WALKWAYS SHALL HAVE A MAXIMUM CROSS SLOPE OF 1.8% AND A MAXIMUM RUNNING SLOPE OF 4.8% AS SHOWN ON CONSTRUCTION DETAILS AND GRADING PLAN.

STATE RIGHT-OF-WAY NOTES

1. ALL WORK TO BE PERFORMED WITHIN THE STATE RIGHT-OF-WAY (ROW) SHALL CONFORM TO THE RIDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AMENDED MARCH 2018, WITH ALL REVISIONS AND ADDENDA. STANDARD DETAILS FOR THIS WORK ARE RIDOT STANDARD DETAILS 1998 EDITION WITH ALL REVISIONS.
2. THE CONTRACTOR SHALL APPLY FOR AND OBTAIN A UTILITY PERMIT FROM THE RIDOT FOR UTILITY WORK WITHIN THE STATE'S ROW AND MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS, PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE ENGINEER AND OWNER'S REPRESENTATIVE AS REQUIRED.
3. THE CONTRACTOR SHALL PREPARE A TRANSPORTATION MANAGEMENT PLAN INCLUDING A TEMPORARY TRAFFIC CONTROL PLAN AS REQUIRED FOR THE RIDOT UTILITY PERMIT APPLICATION AT NO ADDITIONAL EXPENSE TO THE OWNER.
4. ALL TEMPORARY TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), LATEST REVISION.

ZONING TABLE

EXISTING ZONE: OPEN SPACE
PUBLIC HIGH SCHOOL IS ALLOWED BY RIGHT

TOTAL LOT AREA MAP 406 BLOCK 6 LOT 5 & 9 = 1,339,338 SF± (30.747 AC±)
MAP 406 BLOCK 6 LOT 1 = 171,434 SF± (3.936 AC±)

BUILDING AREA TOTAL BUILDING AREA = 139,000 SF±
GROSS FLOOR AREA = 330,000 SF±

	REQUIRED	EXISTING	PROPOSED
BUILDING SETBACK			
FRONT SETBACK *	56 FT	35 FT	583 FT
SIDE SETBACK *	56 FT	80 FT	116 FT
REAR SETBACK *	56 FT	629 FT	413 FT
MINIMUM LOT AREA	100,000 SF	1,510,772 SF±	1,510,772 SF±
MINIMUM LOT WIDTH	250 FT	867 FT	867 FT
MINIMUM LOT DEPTH	300 FT	1,183 FT	1,183 FT
MAXIMUM NO. OF STORIES	2	2	4
MAXIMUM BUILDING HEIGHT	35 FT	61.0 FT	75.5 FT ***
MAXIMUM PERCENT OF COVERAGE	10%	12%	11% ***
MAXIMUM PERCENT OF IMPERMEABLE SURFACE COVERAGE **	30%	42%	46% ***

* SETBACK REQUIRED INCREASED BY THREE FEET FOR EACH FULL FLOOR LEVEL OVER THE FIRST TWO FLOOR LEVELS PER EAST PROVIDENCE ORDINANCES CHAPTER 19 SEC 19-136.
** 10% OF LOT AREA + 20% OF LOT AREA:

	10% OF LOT AREA	+	20% OF LOT AREA	
LOTS 5&9	133,934 SF	+	287,868 SF	= 401,802 SF
LOT 1	17,143 SF	+	34,287 SF	= 51,430 SF

*** RELIEF PROVIDED BY ZONING ENFORCEMENT OFFICER

EROSION AND SEDIMENTATION CONTROL NOTES - RHODE ISLAND

1. THE CONTRACTOR AND RELEVANT SUBCONTRACTORS SHALL READ AND UNDERSTAND THE RIPDES GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY (GENERAL PERMIT) AND THE SITE SPECIFIC SOIL EROSION AND SEDIMENT CONTROL PLAN (SESC) PREPARED FOR THE PROJECT. ALL EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST REVISION.
2. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE CONDITIONS ISSUED FOR THE PROJECT BY RIDEM AND BE RESPONSIBLE FOR CONFORMANCE WITH ALL PERMIT REQUIREMENTS AND CONSTRUCTION DOCUMENTS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING OR INSTALLING ALL TEMPORARY SEDIMENT AND EROSION CONTROLS AS SHOWN ON THESE PLANS AND SHALL MAINTAIN ALL EROSION CONTROL MEASURES AS NECESSARY DURING THE ENTIRE CONSTRUCTION PERIOD.
4. ANTI-TRACKING PADS (R.I. STD. DETAIL 9.9.0) SHALL BE PROVIDED AT ALL POINTS OF EGRESS OR INGRESS AND SHALL BE MAINTAINED TO LIMIT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADS.
5. EROSION CONTROL BARRIERS SHALL BE INSTALLED AS SHOWN ON THE EROSION CONTROL PLAN PRIOR TO COMMENCEMENT OF CONSTRUCTION OPERATIONS.
6. SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A WEEKLY BASIS AND AFTER EACH STORM EVENT OF 0.25 INCH OR GREATER DURING CONSTRUCTION TO INSURE THAT CHANNELS, DITCHES AND PIPES ARE CLEAR OF DEBRIS AND THAT THE EROSION CONTROL BARRIERS ARE INTACT. IDENTIFIED DEFICIENCIES SHALL BE CORRECTED IMMEDIATELY.
7. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS AS NECESSARY, OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
8. THE CONTRACTOR SHALL CLEAN AND MAINTAIN EROSION CONTROL BARRIER WHEN SEDIMENT ACCUMULATES TO ONE HALF THE HEIGHT OF THE BARRIER. MATERIAL COLLECTED FROM THE SEDIMENTATION BARRIERS SHALL BE REMOVED AS NECESSARY AND DISPOSED IN AN UPLAND AREA.
9. THE CONTRACTOR SHALL SCHEDULE HIS WORK TO ALLOW THE FINISHED SUB GRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PONDING. SPECIFICALLY, ALLOW WATER TO ESCAPE WHERE PROPOSED CURB MAY RETAIN RUNOFF PRIOR TO APPLICATION OF SURFACE PAVING. PROVIDE TEMPORARY POSITIVE DRAINAGE, AS REQUIRED, TO STABILIZED DISCHARGE POINTS.
10. INSTALLATION OF THE EROSION CONTROL BARRIERS AS ILLUSTRATED IS INTENDED TO REPRESENT THE MINIMUM SEDIMENTATION CONTROL FACILITIES NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
11. REQUIRED SEDIMENTATION CONTROL FACILITIES MUST BE PROPERLY ESTABLISHED, CLEARLY VISIBLE AND IN OPERATION PRIOR TO INITIATING ANY LAND CLEARING ACTIVITY AND/OR OTHER CONSTRUCTION RELATED WORK. SUCH FACILITIES SHALL REPRESENT THE LIMIT OF WORK. WORKERS SHALL BE INFORMED THAT NO CONSTRUCTION ACTIVITY IS TO OCCUR BEYOND THE LIMIT OF WORK AT ANY TIME THROUGHOUT THE CONSTRUCTION PERIOD.
12. THE CONTRACTOR SHALL MAINTAIN A SUFFICIENT RESERVE OF VARIOUS EROSION CONTROL MATERIALS ONSITE AT ALL TIMES FOR EMERGENCY PURPOSES OR ROUTINE MAINTENANCE.
13. EXISTING AND NEWLY INSTALLED CATCH BASINS AND STORM DRAIN INLETS SHALL BE PROTECTED WITH APPROPRIATE TEMPORARY INLET PROTECTION IN ACCORDANCE WITH THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.
14. DEWATERING WASTE WATERS PUMPED FROM EXCAVATIONS SHALL BE CONVEYED BY HOSE TO AN UPLAND AREA AND DISCHARGED INTO STRAW BALE CORRALS OR SEDIMENTATION BAGS.
15. THE CONTRACTOR SHALL NOT REMOVE ANY TEMPORARY SEDIMENT CONTROL BARRIERS UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED.
16. CONSTRUCTION SITE WASTE MATERIALS SHALL BE PROPERLY CONTAINED ONSITE AND DISPOSED OFF SITE AT A LOCATION IN ACCORDANCE WITH THE LOCAL AND STATE REGULATIONS.
17. RIP-RAP OR OTHER ENERGY DISSIPATERS SHALL BE USED WHERE NECESSARY TO PREVENT SCOUR.
18. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS UPON COMPLETION OF WORK IN THAT AREA.
19. ALL DRAINAGE STRUCTURES SHALL BE CLEARED OF ACCUMULATED SEDIMENT PRIOR TO ACCEPTANCE OF FINAL PROJECT.
20. NEWLY VEGETATED AREAS SHALL BE MAINTAINED REGULARLY TO ENSURE STABLE VEGETATED SURFACES.
21. EROSION AND SEDIMENTATION CONTROLS SHALL BE UTILIZED AS SHOWN ON THE PLANS. POTENTIAL EROSION AND SEDIMENTATION PROBLEMS ASSOCIATED WITH THE CONSTRUCTION OF THE PROJECT SHALL BE AVOIDED THROUGH THE PROJECT SCHEDULING AND THE USE OF APPROPRIATE STANDARD CONTROLS (RHODE ISLAND SOIL EROSION AND SEDIMENTATION CONTROL HANDBOOK) AS ILLUSTRATED ON THE PROJECT PLANS.
22. WHERE EROSION CONTROLS ARE NEEDED ON IMPERVIOUS SURFACES, THE CONTRACTOR SHALL PROVIDE SAND BAG EROSION CONTROL BARRIER.
23. TEMPORARY DIVERSION (TD) MAY CONSIST OF A DITCH OR SWALE, OR MAY BE ACHIEVED USING WOOD CHIPS, COIR LOGS, OR SIMILAR MATERIALS.
24. TEMPORARY SEDIMENT TRAPS (TST) AND TEMPORARY SWALES (TSW) SHALL BE SIZED BY THE CONTRACTOR USING THE PARAMETERS CONTAINED IN THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.

STORM WATER MANAGEMENT SYSTEM INSPECTION AND MAINTENANCE NOTES

DURING CONSTRUCTION

1. THE CONTRACTOR SHALL REMOVE SEDIMENT AND DEBRIS FROM ALL CATCH BASINS, MANHOLES, AND THE DRAINAGE SYSTEM ON A ROUTINE BASIS, IMMEDIATELY FOLLOWING SITE STABILIZATION, AND PRIOR TO PROJECT COMPLETION AND ACCEPTANCE.
2. THE CLOSED DRAINAGE SYSTEM AND ASSOCIATED STRUCTURES SHALL BE CLEANED AND FLUSHED BY THE CONTRACTOR AT THE COMPLETION OF CONSTRUCTION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION AND MAINTENANCE OF THE DRAINAGE SYSTEM UNTIL ACCEPTANCE OF THE SYSTEM BY THE ENGINEER AND THE TOWN OF LINCOLN. FOLLOWING ACCEPTANCE OF THE PROPOSED DRAINAGE SYSTEM PROPOSED FOR THIS SITE, THE OWNER OF THE SITE SHALL BE RESPONSIBLE FOR THE LONG-TERM INSPECTION AND MAINTENANCE OF THE DRAINAGE SYSTEM.
3. ANY ACCUMULATION OF PONDING WATER IN AREAS WITHIN THE LIMITS OF DISTURBANCE, OTHER THAN DESIGNATED AREAS, SHALL BE REMOVED ACCORDINGLY AND PREVENTED IN THE FUTURE.

POST CONSTRUCTION

1. TRASH, LITTER, SEDIMENT AND OTHER DEBRIS SHALL BE REMOVED FROM ANY STORM WATER FACILITY (INCLUDING CATCH BASINS, MANHOLES, DETENTION SYSTEM, INLET AND OUTLET STRUCTURES, AND THE STORMWATER TREATMENT SYSTEM) AT LEAST TWICE A YEAR, PREFERABLY SPRING AND FALL, AT THE COST OF THE OWNER.
2. THE PARKING LOT AND ENTRY DRIVE SHALL BE SWEPT BY THE OWNER AS EARLY AS POSSIBLE EVERY SPRING AND ONCE IN THE FALL TO REMOVE SEDIMENTS.
3. ALL CLEANING AND MAINTENANCE OF DRAINAGE SYSTEM BMP'S SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.

SEDIMENT FOREBAY INSPECTION, MAINTENANCE, AND REPAIR NOTES

FOLLOWING CONSTRUCTION, THE COMPLETION OF THE INSPECTION AND MAINTENANCE REQUIREMENTS BELOW SHALL BE THE RESPONSIBILITY OF THE OWNER.

1. SEDIMENT FOREBAY SHALL BE INSPECTED A MINIMUM OF TWO TIMES PER YEAR AND AFTER EVERY STORM OF 2.7" INCH OR GREATER FOR TRASH, DEBRIS, SEDIMENT, EROSION, STANDING WATER, AND OVERALL PERFORMANCE. DEFECTS SHALL BE REPAIRED BY THE OWNER.
2. SEDIMENT FOREBAYS SHALL BE CLEANED IF SEDIMENT REACHES HALF THE DESIGN DEPTH.
3. SEDIMENT FOREBAY CHECK DAMS SHALL BE REPLACED IF DRAWDOWN TIMES WITHIN THE SEDIMENT FOREBAY EXCEED 48 HOURS FOLLOWING THE STORM EVENT.
4. ALL SEDIMENTS REMOVED SHALL BE DISPOSED OF AT AN APPROVED AND PERMITTED LOCATION.
5. VEGETATION SHALL NOT EXCEED 18" IN HEIGHT IN THE SEDIMENT FOREBAYS.

BIORETENTION AREA INSPECTION, MAINTENANCE, AND REPAIR NOTES

1. FOLLOWING FIRST 6 MONTHS AFTER CONSTRUCTION
   - INSPECT BIORETENTION AREA AFTER FIRST TWO RAINFALL EVENTS OF 1" OR MORE.
2. FOLLOWING STORM EVENTS WITH RAINFALL EXCEEDING 2.7"
   - INSPECT BIORETENTION AREA FOR TRASH, DEBRIS, SEDIMENT, EROSION, STANDING WATER, AND OVERALL PERFORMANCE. DEFECTS SHALL BE REPAIRED BY OWNER.
3. BI-ANNUALLY
   - INSPECT BIORETENTION AREA A MINIMUM OF TWO TIMES PER YEAR, PREFERABLY IN APRIL AND OCTOBER. SEDIMENT SHALL BE REMOVED FROM BIORETENTION AREA IF THE SEDIMENT EXCEEDS 1".
   - MOW SIDESLOPES AND BOTTOM OF BIORETENTION AREA A MINIMUM OF TWO TIMES PER YEAR.
4. QUARTERLY
   - INSPECT BIORETENTION AREA OUTLET CONTROL STRUCTURE AND ALL OVERFLOW CHANNELS. THE OWNER SHALL STABILIZE ERODED BANKS AND REPAIR ERODED AREAS AT INFLOW AND OUTFLOW STRUCTURES AS NECESSARY.
5. IF SEDIMENT BUILD-UP HAS LIMITED THE FILTERING CAPABILITIES TO BELOW THE DESIGN RATE OR PONDING HAS EXCEEDED 72 HOURS THE FOLLOWING SHALL BE COMPLETED:
   - THE TOP 6" OF SOIL SHALL BE REMOVED AND DISPOSED AT A PERMITTED LOCATION.
   - THE EXPOSED SURFACE SHALL BE SCARIFIED.
   - THE TOP 6" SHALL BE RESTORED TO THE ORIGINAL DESIGN SPECIFICATIONS WITH A SANDY LOAM TOPSOIL.
6. TRASH AND DEBRIS SHALL BE REMOVED FROM BIORETENTION AREA AS NECESSARY.

UNDERGROUND INFILTRATION SYSTEM INSPECTION, MAINTENANCE, AND REPAIR NOTES

FOLLOWING CONSTRUCTION, THE COMPLETION OF THE INSPECTION AND MAINTENANCE REQUIREMENTS BELOW SHALL BE THE RESPONSIBILITY OF THE OWNER.

1. THE SYSTEM SHALL BE MAINTAINED AS RECOMMENDED BY THE MANUFACTURER.
2. FOLLOWING STORM EVENTS WITH RAINFALL EXCEEDING 2.7"
   - INSPECT INFILTRATION/DETENTION SYSTEM FOR TRASH, DEBRIS, SEDIMENT, EROSION, STANDING WATER, AND OVERALL PERFORMANCE. DEFECTS SHALL BE REPAIRED BY THE OWNER.
3. BI-ANNUALLY
   - INSPECTIONS SHALL BE PERFORMED A MINIMUM OF TWO TIMES PER YEAR ON THE INSPECTION PORTS AND DRAINAGE STRUCTURES OF THE UNDERGROUND INFILTRATION/DETENTION SYSTEM TO ENSURE PROPER OPERATION OF THE SYSTEM.
4. JETVAC MAINTENANCE IS RECOMMENDED IF SEDIMENT HAS BEEN COLLECTED TO A DEPTH OF 3" IN THE PRETREATMENT ROW. MORE FREQUENT MAINTENANCE MAY BE REQUIRED TO MAINTAIN MINIMUM FLOW RATES THROUGH THE PRETREATMENT ROW. THE JETVAC PROCESS SHALL ONLY BE PERFORMED ON THE PRETREATMENT ROW.

LEGEND

EXISTING		PROPOSED
	PROPERTY LINE	
	SETBACKS	
	EASEMENT LINE	
255	CONTOUR	262
X 407.5	SPOT ELEVATION	X 261.5
D	DRAINAGE LINE	D
W	WATER LINE	W
	FIRE WATER LINE	FW
S	SANITARY SEWER LINE	S
G	GAS LINE	G
E	ELECTRIC	E
T	TELEPHONE LINE	T
	CABLE LINE	C
OHW	OVERHEAD ELECTRIC LINE	OHW
	LIMIT OF DISTURBANCE	LOD
	LIMIT OF DISTURBANCE/COMPOST FILTER SOCK	LOD/CFS
	POROUS PAVERS	
	VEHICULAR CONCRETE PAVEMENT	
	HOT MIX ASPHALT	
	MILL AND OVERLAY	
	HOT MIX ASPHALT WITH CONCRETE BASE	
	CATCH BASIN	
HYD	HYDRANT	
	DRAINAGE MANHOLE	
	SEWER MANHOLE	
	UTILITY POLE	
WV, WV	WATER VALVE	
GG	GAS GATE	
	LIGHT POLE	
	TREE LINE	
	STONE WALL	
	CHAIN LINK FENCE	
	CURBING	
	EDGE OF PAVEMENT	
	SAWCUT LINE	
	SIGN	
	NO. OF PARKING SPACES	#
WF A52, WF A51	WETLAND EDGE	
	200' RIVERBANK	

SYMBOLS LEGEND

- ATG = ADJUST TO GRADE
- BOL = BOLLARD (SEE DETAIL)
- CFS = COMPOST FILTER SOCK (SEE DETAIL)
- CG = CLEAR AND GRUB VEGETATION
- CM = SAWCUT AND MATCH
- CP = CONCRETE PAD
- CTE = CONNECT TO EXISTING
- 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
- DG = REMOVE AND DISPOSE GUARDRAIL
- DF = REMOVE AND DISPOSE FENCE
- DFP = REMOVE AND DISPOSE FLEXIBLE PAVEMENT
- DGU = REMOVE AND DISPOSE GAS UTILITY
- DLP = REMOVE AND DISPOSE LIGHT POLE AND FOUNDATION
- DSTR = REMOVE AND DISPOSE STAIR
- DSWR = REMOVE AND DISPOSE SEWER
- DW = REMOVE AND DISPOSE WATER
- DYL = DOUBLE SOLID YELLOW EPOXY RESIN PAVEMENT MARKING
- ETR = EXISTING TO REMAIN. PROTECT DURING CONSTRUCTION.
- GV = GATE VALVE
- HMA = HOT MIX ASPHALT
- HMAW = HOT MIX ASPHALT WALK
- HYD = HYDRANT
- MMO = MILL AND OVERLAY
- OCS = OUTLET CONTROL STRUCTURE
- OWS = OIL WATER SEPARATOR
- PM = PAVEMENT MARKING
- RLS = RIPRAP LEVEL SPREADER
- RR = RIPRAP EDGE (SEE DETAIL)
- RRS = RIPRAP SLOPE (SEE DETAIL)
- RTED = REFER TO ELECTRICAL DRAWINGS
- RTLD = REFER TO LANDSCAPE DRAWINGS
- RTMD = REFER TO MECHANICAL DRAWINGS
- RTSD = REFER TO STRUCTURAL DRAWINGS
- R&D = REMOVE AND DISPOSE
- R&S = REMOVE AND STOCKPILE
- SFCD = SEDIMENT FOREBAY CHECK DAM
- SHP = HANDICAP PARKING PAVEMENT MARKING (SEE DETAIL)
- SM = SEDIMENT MARKER
- SRW = SEGMENTAL RETAINING WALL
- SWL = SOLID WHITE EPOXY RESIN PAVEMENT MARKING
- TDS = TEMPORARY DIVERSION SWALE
- TIP = TEMPORARY INLET PROTECTION
- TRM = TURF REINFORCEMENT MAT
- TST = TEMPORARY SEDIMENT TRAP
- VCP = VEHICULAR CONCRETE PAVEMENT
- 4W = 4" SOLID WHITE EPOXY RESIN PAVEMENT MARKING
- 4Y = 4" SOLID YELLOW EPOXY RESIN PAVEMENT MARKING
- 12W = 12" SOLID WHITE EPOXY RESIN PAVEMENT MARKING

SYMBOLS LEGEND CONTINUED

- 7.1.0 = PRECAST CONCRETE CURB - R.I. STD. 7.1.0.
- 7.3.0 = GRANITE CURB - R.I. STD. 7.3.0
- 7.3.2 = 6'-0" GRANITE TRANSITION CURB - R.I. STD. 7.3.2
- 7.4.0 = GRANITE SLOPED FACE CURB - R.I. STD. 7.4.0
- 7.4.2 = GRANITE TRANSITION CURB - R.I. STD. 7.4.2
- 7.5.1 = BITUMINOUS BERM - R.I. STD. 7.5.1.
- 9.9.0 = CONSTRUCTION ACCESS - R.I. STD. 9.9.0
- 20.1.0 = PAVEMENT MARKINGS ARROWS AND ONLY - R.I. STD. 20.1.0
- 43.2.0 = BITUMINOUS CONCRETE SIDEWALK - R.I. STD. 43.2.0
- 43.3.0 = WHEELCHAIR RAMP - R.I. STD. 43.3.0
- 43.3.1 = WHEELCHAIR RAMP FOR LIMITED RIGHT-OF-WAY AREAS - R.I. STD. 43.3.1
- 43.4.1 = DRIVEWAY DEVELOPMENT FOR 6'-0" TRANSITION CURB - R.I. STD. 43.4.1

ABBREVIATIONS

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
CL. = CLASS
CO = CLEANOUT
CONC. = CONCRETE
CC = CONCRETE CURB, VERTICAL
DEMO = DEMOLITION
DG = DOUBLE GRATE
DIA = DIAMETER
DIV = DIVERSION
DYL = DOUBLE YELLOW LINE
DMH = DRAIN MANHOLE
EOP = EDGE OF PAVEMENT
ELEV,EL = ELEVATION
EX, EXIST. = EXISTING
EXCB = EXISTING CATCH BASIN
EXDMH = EXISTING DRAIN MANHOLE
FFE = FINISH FLOOR ELEVATION
FT = FOOT
FND. = FOUND
GTD = 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, N.T.S. = 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
RIHP = 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
VGC = VERTICAL GRANITE CURB
VC = VITRIFIED CLAY
WPM = WATER PAINT MARK
w/ = WITH
YD = YARD DRAIN

FEB 10 2020

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
AS SPECIFIED
DATED MAR 18 2020 FILE # 19-0295
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

PARKING SUMMARY

	REQUIRED	EXISTING	PROPOSED
STANDARD SPACES (9'x18')	532	526	521
ACCESSIBLE SPACES *	11	11	22
TOTAL SPACES	543	537	543

* ADA REQUIREMENT FOR PARKING LOT 501 TO 1,000 TOTAL SPACES = 2% OF TOTAL
1. HIGH SCHOOL (363) + CTC USES (180) = 543
1.1. TWO SPACES PER CLASSROOM (2*69) + ONE SPACE PER NON-TEACHER STAFF MEMBER (75) + 1 SPACE PER 4 STUDENTS OF DRIVING AGE (600/4) = 363 SPACES
1.2. ONE SPACE FOR EACH 200 SF OF GFA OF OFFICE SPACE (32,274/200) + ONE SPACE FOR EACH FIVE PERSONS OF THE CHILD CARE FACILITY'S LICENSED CAPACITY (76/5) + 3 SPACES FOR LOADING = 180 SPACES

NOTE: THE CTC BUILDING IS INCLUDED IN PERCENTAGE OF COVER AND PARKING REQUIREMENT CALCULATIONS ONLY.

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
02.07.20
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

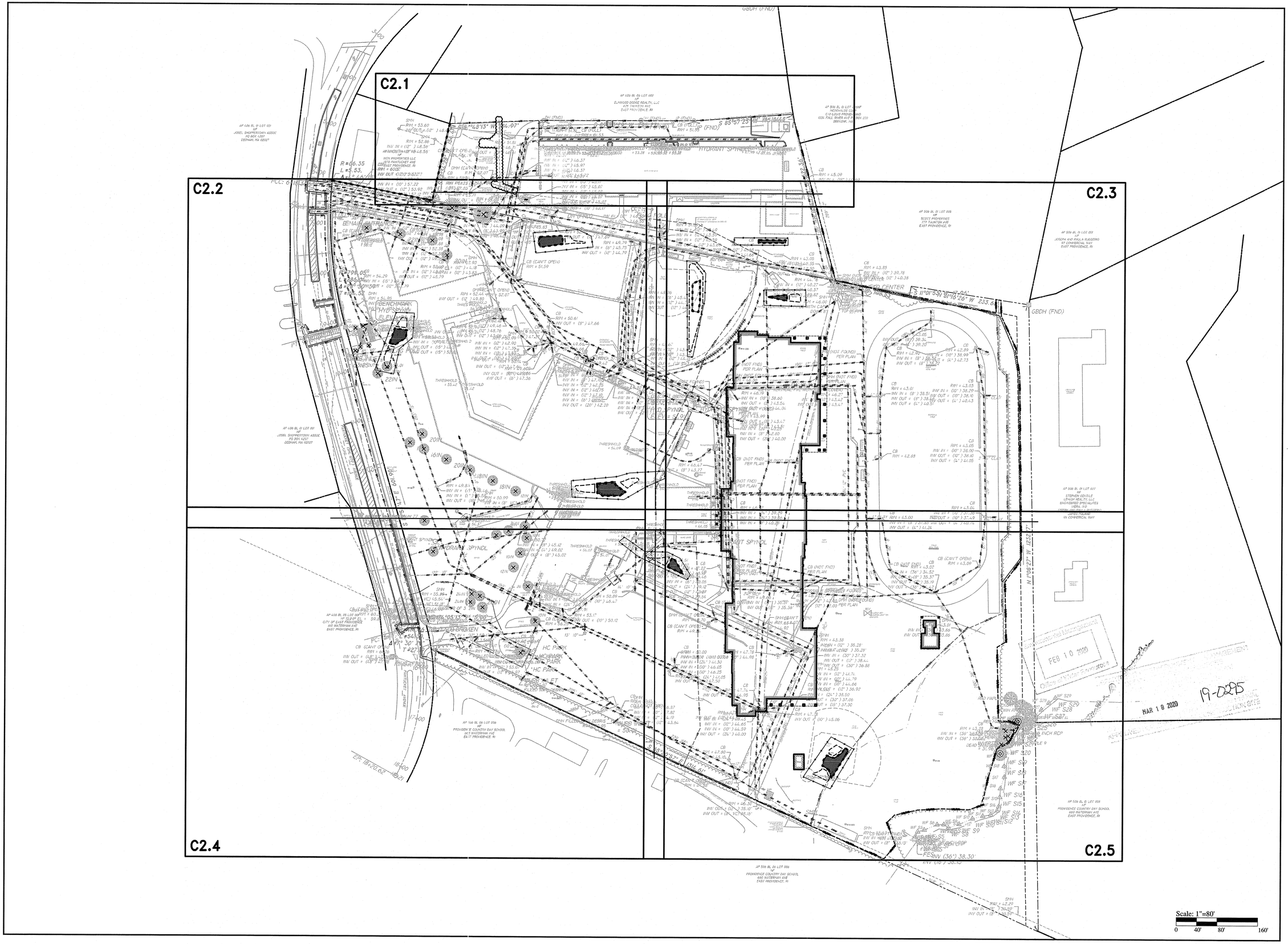
REVISIONS:

1	2-7-20	RIDEM COMMENT

PROJECT NO.:	18271.0
DATE:	SEPT 27, 201
SCALE:	NOT TO SCAL
DESIGNED BY:	VAH/L
CHECKED BY:	DL
DRAWN BY:	AK
APPROVED BY:	DL

DRAWING TITLE:
NOTES & LEGEND

DRAWING NO.:
C0.1



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

OWNER:
EAST PROVIDENCE
SCHOOL DISTRICT
C/O KATHRYN CROWLEY,
SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
REGISTERED
PROFESSIONAL ENGINEER
02-07-20

REVISIONS:

1	2-7-20	RIDEM COMMENTS

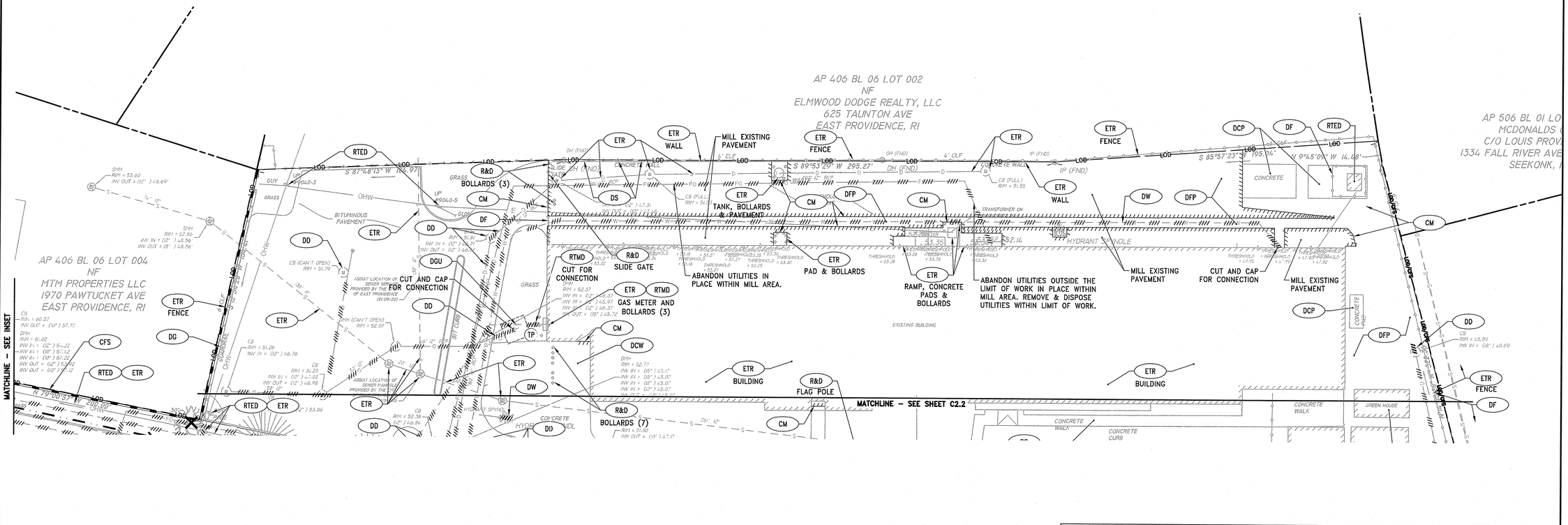
PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=80'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

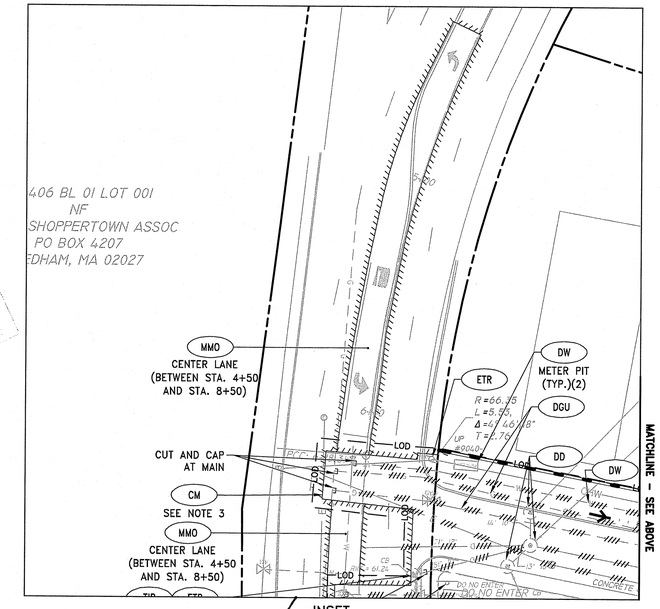
DRAWING TITLE:
OVERALL DEMOLITION, EROSION & SEDIMENT CONTROL PLAN

DRAWING NO.:
C2.0

SHEET NO. 11 OF 65

FEB 10 2020
MAR 10 2020
19-0225





INSET

LEGEND:

- REMOVE & DISPOSE TREE. DISPOSE OF TREE AND STUMP OFF-SITE.
- PROTECT EXISTING TREE TO REMAIN. R.I. STD. 51.1.1
- TP — PRIOR TO COMMENCING WORK, CONTRACTOR SHALL EXCAVATE TEST PIT TO CONFIRM LOCATION, ELEVATION, AND SIZE OF UTILITY. PROVIDE INFORMATION TO ENGINEER.

LEGEND

- TDS — TEMPORARY DIVERSION SWALE/BERM
- TST LIMITS OF WET STORAGE AREA
- TST LIMITS OF DRY STORAGE AREA

DEMOLITION NOTES:

1. DEMOLITION WORK UNDER SEPARATE CONTRACTS (BID PACKAGE #1 EARLY SITE WORK PACKAGE) INCLUDES THE REMOVAL OF SYNTHETIC TURF FIELD, PAVEMENT, CURBING, WALKWAYS, STEPS, CONCRETE PADS, STORAGE UNITS, BLEACHERS, POSTS, FENCES, PLAY AREAS, UTILITIES (EXCEPT WHERE SHOWN HERE), GRASS, AND DRAINAGE AS SHOWN ON SHEET BP1-C2.1 AND BP1-C2.2 DEMOLITION, EROSION AND SEDIMENT CONTROL PLAN ISSUED APRIL 1, 2019 (MOST RECENT REVISION MAY 16, 2019) BY PARE CORPORATION. ALL TEMPORARY FEATURES CONSTRUCTED AS PART OF BID PACKAGE #1 SHALL BE REMOVED AND DISPOSED.
2. THE EXISTING DRAINAGE UTILITIES SHALL BE FIELD LOCATED AND CUT AND CAP AT THE PROPERTY LINE.
3. EXISTING PAVEMENT PROFILE WITHIN THE PAWTUCKET AVE RIGHT-OF-WAY INCLUDES UP TO 5" BITUMINOUS PAVEMENT OVER UP TO 9" CONCRETE BASE.
4. THE ENVIRONMENTAL FINDINGS OF THE SUBSURFACE INVESTIGATION ARE DETAILED IN THE REPORT PARE PHASE II - ENVIRONMENTAL SAMPLING RESULTS APRIL 2019 AND THE SITE IMPACT REPORT JULY 2019. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SOILS IN AND AROUND TP-2 AS CONTAINING PETROLEUM HYDROCARBONS, TP-4 AS CONTAINING PAHS AND TPH, AND TO THE SOILS SURROUNDING THE EXISTING BUILDING FOOTPRINT AS CONTAINING LEAD. THESE SOILS ARE LIMITED TO THE FIRST TWO TO FOUR FEET BELOW THE SURFACE AND SHALL BE REMOVED AS DIRECTED BY THE ENGINEER UNTIL THE LEVELS ARE BELOW LABORATORY DETECTION LIMITS. THE EXACT LIMITS OF THE EXCAVATION WILL BE BASED ON FIELD OBSERVATIONS AND SAMPLING RESULTS. DELINEATING THE EXTENT OF IMPACTS MAY REQUIRE MULTIPLE ITERATIONS. THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE AND STOCKPILE THE SOILS IN ACCORDANCE WITH THE RIDEM REQUIREMENTS.
5. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DEVELOPING A HEALTH AND SAFETY PLAN (HASP) SUITABLE FOR WORKERS ON SITE AND THE CONTRACTOR'S USE.
6. THE SOIL/FILL MATERIAL SHALL BE MANAGED IN ACCORDANCE WITH THE APPLICABLE REGULATIONS, 250-RICR-140-30-1 ACTIVE RULE REFERRED TO AS "THE RULES AND REGULATIONS FOR INVESTIGATION AND HAZARDOUS MATERIAL RELEASES". THE WORK INCLUDES CHARACTERIZATION FOR DISPOSAL/REUSE PURPOSES, FIELD SCREENING AND SEGREGATION, STAGING AND CHARACTERIZATION (AS MAY BE NECESSARY FOR UNKNOWN MATERIALS); MANAGING AND DISPOSING OF SOIL AND FILL MATERIAL EXCAVATED IN THE COURSE OF CONSTRUCTING THE FACILITIES AND APPURTENANCES INCLUDING EXCAVATE FROM UTILITIES AND SITE GRADING.
7. BID ALTERNATE #4:
   CONTRACTOR SHALL MILL AND OVERLAY (2" DEPTH) FULL WIDTH CURB TO CURB OF PAVEMENT WITHIN THE PAWTUCKET AVENUE RIGHT-OF-WAY FROM STA. 4+50 TO 15+20 AND REPLICATE THE EXISTING PAVEMENT STRIPING IN KIND. BASE BID SHALL BE EXTENTS OF MILL AND OVERLAY AND STRIPING INDICATED ON THESE PLANS.

EROSION AND SEDIMENT CONTROL NOTES:

1. THE EROSION AND SEDIMENTATION CONTROLS SHOWN ON THE PLANS ARE INTENDED TO REPRESENT THE MINIMUM CONTROLS NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
2. CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN SILT SACKS IN ALL EXISTING AND NEWLY INSTALLED CATCH BASINS UNTIL THE UPSTREAM AREA IS STABILIZED.
3. CONTRACTOR SHALL INSTALL AND MAINTAIN CONSTRUCTION ENTRANCES AT ALL POINTS OF EGRESS FROM THE SITE THROUGHOUT CONSTRUCTION.
4. THE CONTRACTOR SHALL MAINTAIN EROSION CONTROLS THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL REPLACE DAMAGED EROSION CONTROLS AT THE OWNER AND ENGINEER'S REQUEST AT NO ADDITIONAL EXPENSE TO THE OWNER.
5. THE CONTRACTOR SHALL NOT LEAVE DISTURBED AREAS UNSTABILIZED FOR PERIODS MORE THAN 14 DAYS. PROVIDE TEMPORARY SEED OR MULCH ON DISTURBED AREAS THAT WILL REMAIN EXPOSED FOR GREATER THAN 14 DAYS.
6. INSTALL EROSION CONTROLS DOWNSTREAM OF ANY DISTURBED AREAS TO REDUCE POTENTIAL FOR EROSION. CONTRACTOR SHALL INDICATE LOCATIONS OF EROSION CONTROLS FOR REVIEW WITH GENERAL CONTRACTOR AND OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WORK.
7. REFER TO "CIVIL NOTES AND LEGEND" FOR ADDITIONAL EROSION AND SEDIMENTATION CONTROL NOTES.
8. PROVIDE TEMPORARY FENCING AROUND BIORETENTION AREAS. AT NO TIME SHALL ANY CONSTRUCTION EQUIPMENT OR MATERIALS BE STORED IN THE BIORETENTION AREA FOOTPRINTS. AVOID THE USE OF HEAVY MACHINERY WITHIN FOOTPRINT TO MINIMIZE THE POTENTIAL FOR COMPACTING EXISTING SOILS. FOLLOWING THE INSTALLATION OF FILTER MEDIA, COMPOST FILTER SOCKS SHALL BE INSTALLED AT THE TOE OF THE SLOPE UNTIL THE SIDE SLOPES AND ALL UPSTREAM CONTRIBUTING AREAS ARE STABILIZED.

RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
FEB 10 2020
APPROVED

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 19 2020 FILE # 19-0215
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

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

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EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
02.07.20
REGISTERED PROFESSIONAL ENGINEER
(CIVIL)

REVISIONS:		
1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
DEMOLITION, EROSION & SEDIMENT CONTROL PLAN 1

DRAWING NO.: C2.1
SHEET NO. 12 OF 65

DEMOLITION NOTES:

1. DEMOLITION WORK UNDER SEPARATE CONTRACTS (BID PACKAGE #1 EARLY SITE WORK PACKAGE) INCLUDES THE REMOVAL OF SYNTHETIC TURF FIELD, PAVEMENT, CURBING, WALKWAYS, STEPS, CONCRETE PADS, STORAGE UNITS, BLEACHERS, POSTS, FENCES, PLAY AREAS, UTILITIES (EXCEPT WHERE SHOWN HERE), GRASS, AND DRAINAGE AS SHOWN ON SHEET BP1-C2.1 AND BP1-C2.2 DEMOLITION, EROSION AND SEDIMENT CONTROL PLAN ISSUED APRIL 1, 2019 (MOST RECENT REVISION MAY 16, 2019) BY PARE CORPORATION. ALL TEMPORARY FEATURES CONSTRUCTED AS PART OF BID PACKAGE #1 SHALL BE REMOVED AND DISPOSED.

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LEGEND:

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- PROTECT EXISTING TREE TO REMAIN. R.I. STD. 51.1.1
- PRIOR TO COMMENCING WORK, CONTRACTOR SHALL EXCAVATE TEST PIT TO CONFIRM LOCATION, ELEVATION, AND SIZE OF UTILITY. PROVIDE INFORMATION TO ENGINEER.

LEGEND

- TDS – TEMPORARY DIVERSION SWALE/BERM
- TST LIMITS OF WET STORAGE AREA
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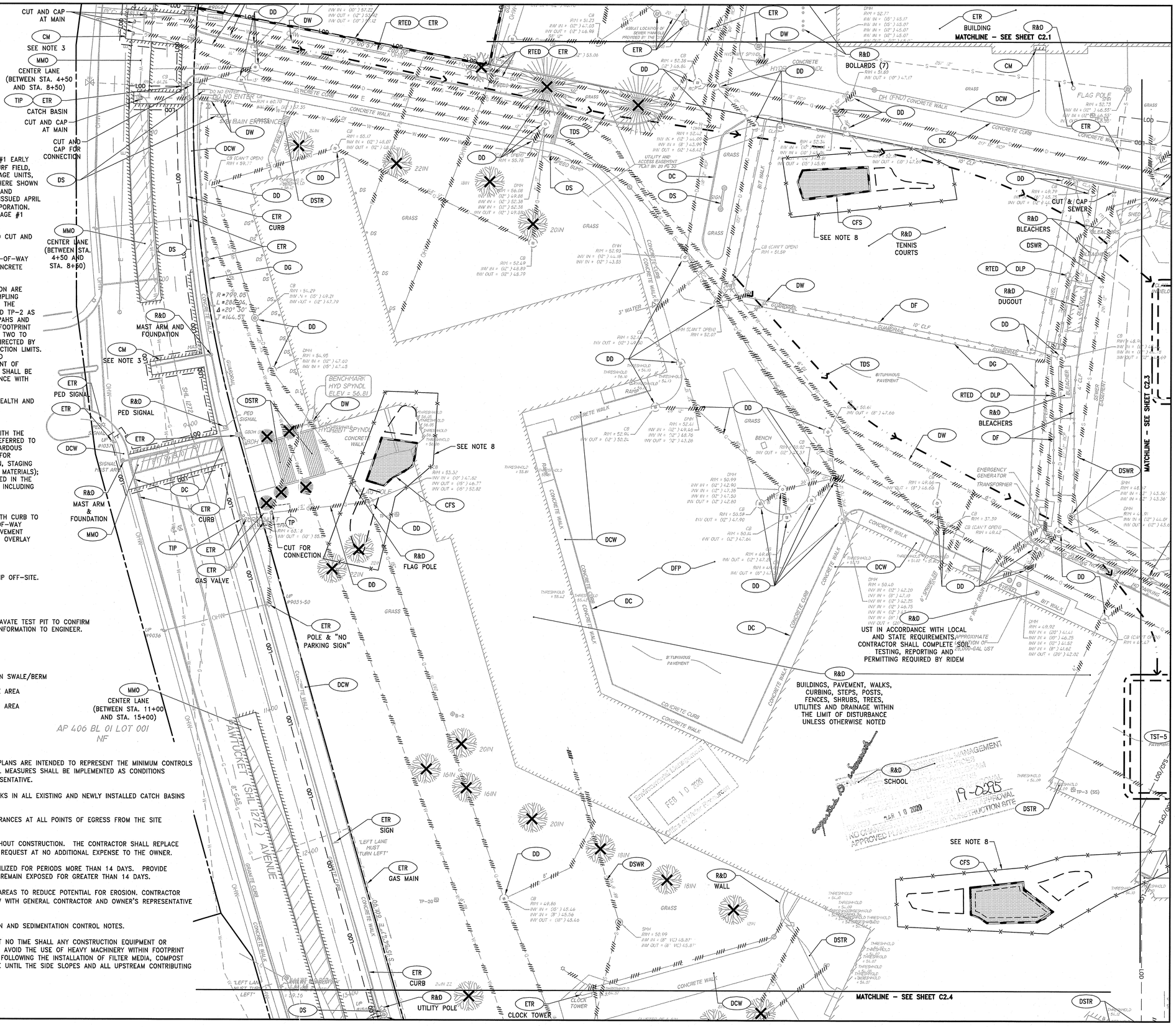

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ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
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OWNER:
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EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
02.07.20
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
DEMOLITION, EROSION & SEDIMENT CONTROL PLAN 2

DRAWING NO.: C2.2

SHEET NO. 13 OF 65

EROSION AND SEDIMENT CONTROL NOTES:

1. THE EROSION AND SEDIMENTATION CONTROLS SHOWN ON THE PLANS ARE INTENDED TO REPRESENT THE MINIMUM CONTROLS NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
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LEGEND

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- TST LIMITS OF WET STORAGE AREA
- TST LIMITS OF DRY STORAGE AREA

MATCHLINE – SEE SHEET C2.1

MATCHLINE – SEE SHEET C2.2

MATCHLINE – SEE SHEET C2.5

SEE NOTE 8

LIMIT OF WORK UNDER SEPARATE CONTRACT (SEE NOTES ON THIS SHEET)

CUT FOR CONNECTION

SCOREBOARD COORDINATE WITH OWNER AND LANDSCAPE ARCHITECT

PORTABLE BLEACHERS COORDINATE WITH OWNER AND LANDSCAPE ARCHITECT

PROPOSED HIGH SCHOOL BUILDING

DEMOLITION WITHIN SECTIONED AREA TO BE COMPLETED WITHIN SEPARATE CONTRACT (SEE NOTES THIS SHEET)

BUILDINGS, PAVEMENT, WALKS, CURBING, STEPS, POSTS, FENCES, SHRUBS, TREES, UTILITIES AND DRAINAGE WITHIN THE LIMIT OF DISTURBANCE UNLESS OTHERWISE NOTED

FIELD, TRACK IRRIGATION

TEMPORARY STOCKPILE AREA

AP 506 BL 01 LOT 007
NF
STEPHEN GENTILE
LEHIGH REALTY, LLC
ENGINEERED SPECIALITES
VIERA, IVO
JOSEPH AND PAULA RUGGERIO
JAMES POLAND
101 COMMERICAL WAY

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

ENGINEERING CONTROL FEB 10 2020 RECEIVED

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
FILE # 19-0225
DATED MAR 18 2020
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

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BAR IS ONE INCH ON ORIGINAL DRAWING

EAST PROVIDENCE HIGH SCHOOL

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No. 8665
02.07.20
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

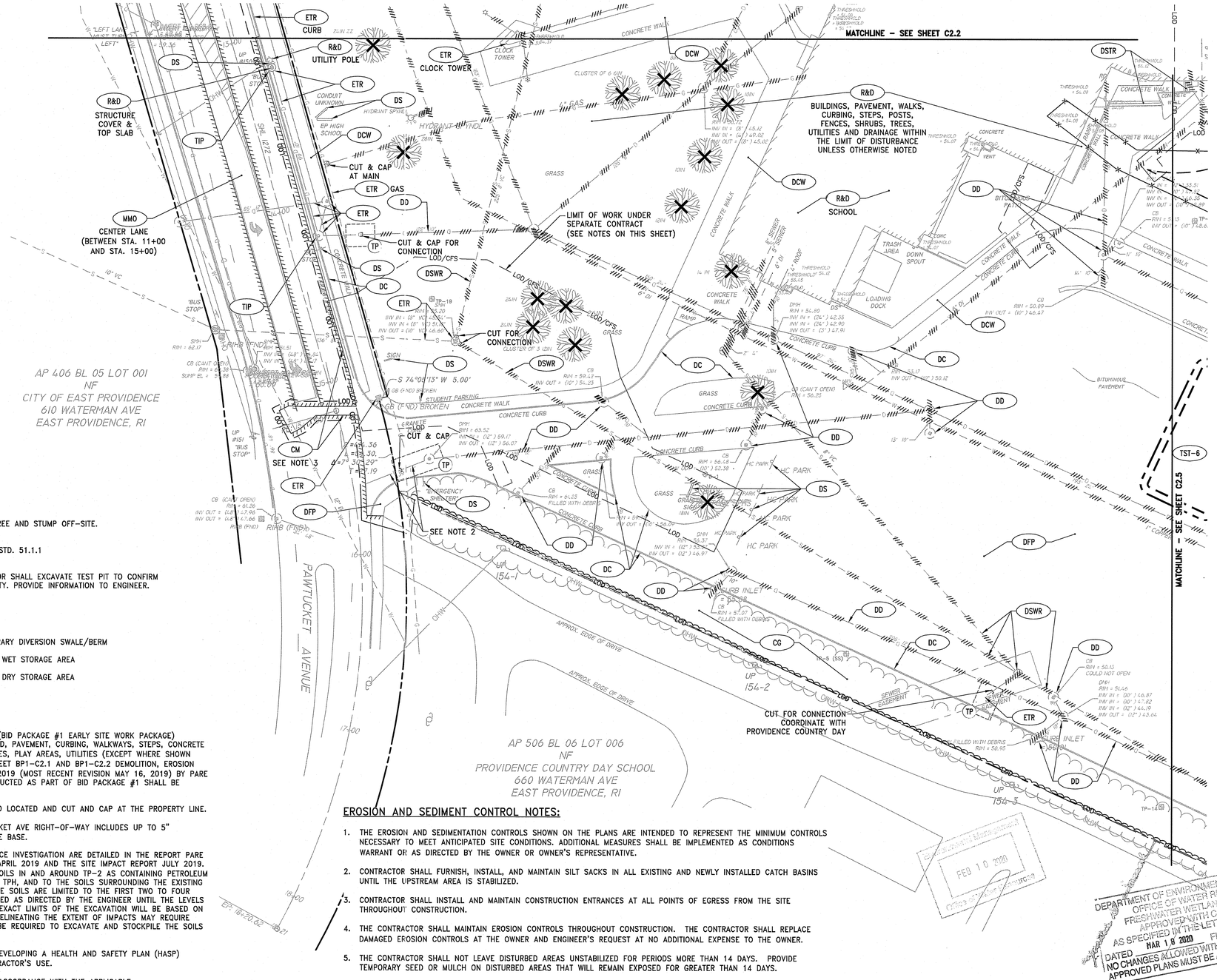
1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
DEMOLITION, EROSION & SEDIMENT CONTROL PLAN 3

DRAWING NO.: C2.3

SHEET NO. 14 OF 65



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- TST LIMITS OF DRY STORAGE AREA

DEMOLITION NOTES:

1. DEMOLITION WORK UNDER SEPARATE CONTRACTS (BID PACKAGE #1 EARLY SITE WORK PACKAGE) INCLUDES THE REMOVAL OF SYNTHETIC TURF FIELD, PAVEMENT, CURBING, WALKWAYS, STEPS, CONCRETE PADS, STORAGE UNITS, BLEACHERS, POSTS, FENCES, PLAY AREAS, UTILITIES (EXCEPT WHERE SHOWN HERE), GRASS, AND DRAINAGE AS SHOWN ON SHEET BP1–C2.1 AND BP1–C2.2 DEMOLITION, EROSION AND SEDIMENT CONTROL PLAN ISSUED APRIL 1, 2019 (MOST RECENT REVISION MAY 16, 2019) BY PARE CORPORATION. ALL TEMPORARY FEATURES CONSTRUCTED AS PART OF BID PACKAGE #1 SHALL BE REMOVED AND DISPOSED.
2. THE EXISTING DRAINAGE UTILITIES SHALL BE FIELD LOCATED AND CUT AND CAP AT THE PROPERTY LINE.
3. EXISTING PAVEMENT PROFILE WITHIN THE PAWTUCKET AVE RIGHT–OF–WAY INCLUDES UP TO 5" BITUMINOUS PAVEMENT OVER UP TO 9" CONCRETE BASE.
4. THE ENVIRONMENTAL FINDINGS OF THE SUBSURFACE INVESTIGATION ARE DETAILED IN THE REPORT PARE PHASE II – ENVIRONMENTAL SAMPLING RESULTS APRIL 2019 AND THE SITE IMPACT REPORT JULY 2019. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SOILS IN AND AROUND TP–2 AS CONTAINING PETROLEUM HYDROCARBONS, TP–4 AS CONTAINING PAHS AND TPH, AND TO THE SOILS SURROUNDING THE EXISTING BUILDING FOOTPRINT AS CONTAINING LEAD. THESE SOILS ARE LIMITED TO THE FIRST TWO TO FOUR FEET BELOW THE SURFACE AND SHALL BE REMOVED AS DIRECTED BY THE ENGINEER UNTIL THE LEVELS ARE BELOW LABORATORY DETECTION LIMITS. THE EXACT LIMITS OF THE EXCAVATION WILL BE BASED ON FIELD OBSERVATIONS AND SAMPLING RESULTS. DELINEATING THE EXTENT OF IMPACTS MAY REQUIRE MULTIPLE ITERATIONS. THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE AND STOCKPILE THE SOILS IN ACCORDANCE WITH THE RIDEM REQUIREMENTS.
5. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DEVELOPING A HEALTH AND SAFETY PLAN (HASP) SUITABLE FOR WORKERS ON SITE AND THE CONTRACTOR'S USE.
6. THE SOIL/FILL MATERIAL SHALL BE MANAGED IN ACCORDANCE WITH THE APPLICABLE REGULATIONS, 250–RICR–140–30–1 ACTIVE RULE REFERRED TO AS "THE RULES AND REGULATIONS FOR INVESTIGATION AND HAZARDOUS MATERIAL RELEASES". THE WORK INCLUDES CHARACTERIZATION FOR DISPOSAL/REUSE PURPOSES, FIELD SCREENING AND SEGREGATION, STAGING AND CHARACTERIZATION (AS MAY BE NECESSARY FOR UNKNOWN MATERIALS); MANAGING AND DISPOSING OF SOIL AND FILL MATERIAL EXCAVATED IN THE COURSE OF CONSTRUCTING THE FACILITIES AND APPURTENANCES INCLUDING EXCAVATE FROM UTILITIES AND SITE GRADING.
7. BID ALTERNATE #4:
   CONTRACTOR SHALL MILL AND OVERLAY (2" DEPTH) FULL WIDTH CURB TO CURB OF PAVEMENT WITHIN THE PAWTUCKET AVENUE RIGHT–OF–WAY FROM STA. 4+50 TO 15+20 AND REPLICATE THE EXISTING PAVEMENT STRIPING IN KIND. BASE BID SHALL BE EXTENTS OF MILL AND OVERLAY AND STRIPING INDICATED ON THESE PLANS.

EROSION AND SEDIMENT CONTROL NOTES:

1. THE EROSION AND SEDIMENTATION CONTROLS SHOWN ON THE PLANS ARE INTENDED TO REPRESENT THE MINIMUM CONTROLS NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
2. CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN SILT SACKS IN ALL EXISTING AND NEWLY INSTALLED CATCH BASINS UNTIL THE UPSTREAM AREA IS STABILIZED.
3. CONTRACTOR SHALL INSTALL AND MAINTAIN CONSTRUCTION ENTRANCES AT ALL POINTS OF EGRESS FROM THE SITE THROUGHOUT CONSTRUCTION.
4. THE CONTRACTOR SHALL MAINTAIN EROSION CONTROLS THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL REPLACE DAMAGED EROSION CONTROLS AT THE OWNER AND ENGINEER'S REQUEST AT NO ADDITIONAL EXPENSE TO THE OWNER.
5. THE CONTRACTOR SHALL NOT LEAVE DISTURBED AREAS UNSTABILIZED FOR PERIODS MORE THAN 14 DAYS. PROVIDE TEMPORARY SEED OR MULCH ON DISTURBED AREAS THAT WILL REMAIN EXPOSED FOR GREATER THAN 14 DAYS.
6. INSTALL EROSION CONTROLS DOWNSTREAM OF ANY DISTURBED AREAS TO REDUCE POTENTIAL FOR EROSION. CONTRACTOR SHALL INDICATE LOCATIONS OF EROSION CONTROLS FOR REVIEW WITH GENERAL CONTRACTOR AND OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WORK.
7. REFER TO "CIVIL NOTES AND LEGEND" FOR ADDITIONAL EROSION AND SEDIMENTATION CONTROL NOTES.
8. PROVIDE TEMPORARY FENCING AROUND BIORETENTION AREAS. AT NO TIME SHALL ANY CONSTRUCTION EQUIPMENT OR MATERIALS BE STORED IN THE BIORETENTION AREA FOOTPRINTS. AVOID THE USE OF HEAVY MACHINERY WITHIN FOOTPRINT TO MINIMIZE THE POTENTIAL FOR COMPACTING EXISTING SOILS. FOLLOWING THE INSTALLATION OF FILTER MEDIA, COMPOST FILTER SOCKS SHALL BE INSTALLED AT THE TOE OF THE SLOPE UNTIL THE SIDE SLOPES AND ALL UPSTREAM CONTRIBUTING AREAS ARE STABILIZED.

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
02.07.20
REGISTERED PROFESSIONAL ENGINEER
CIVIL

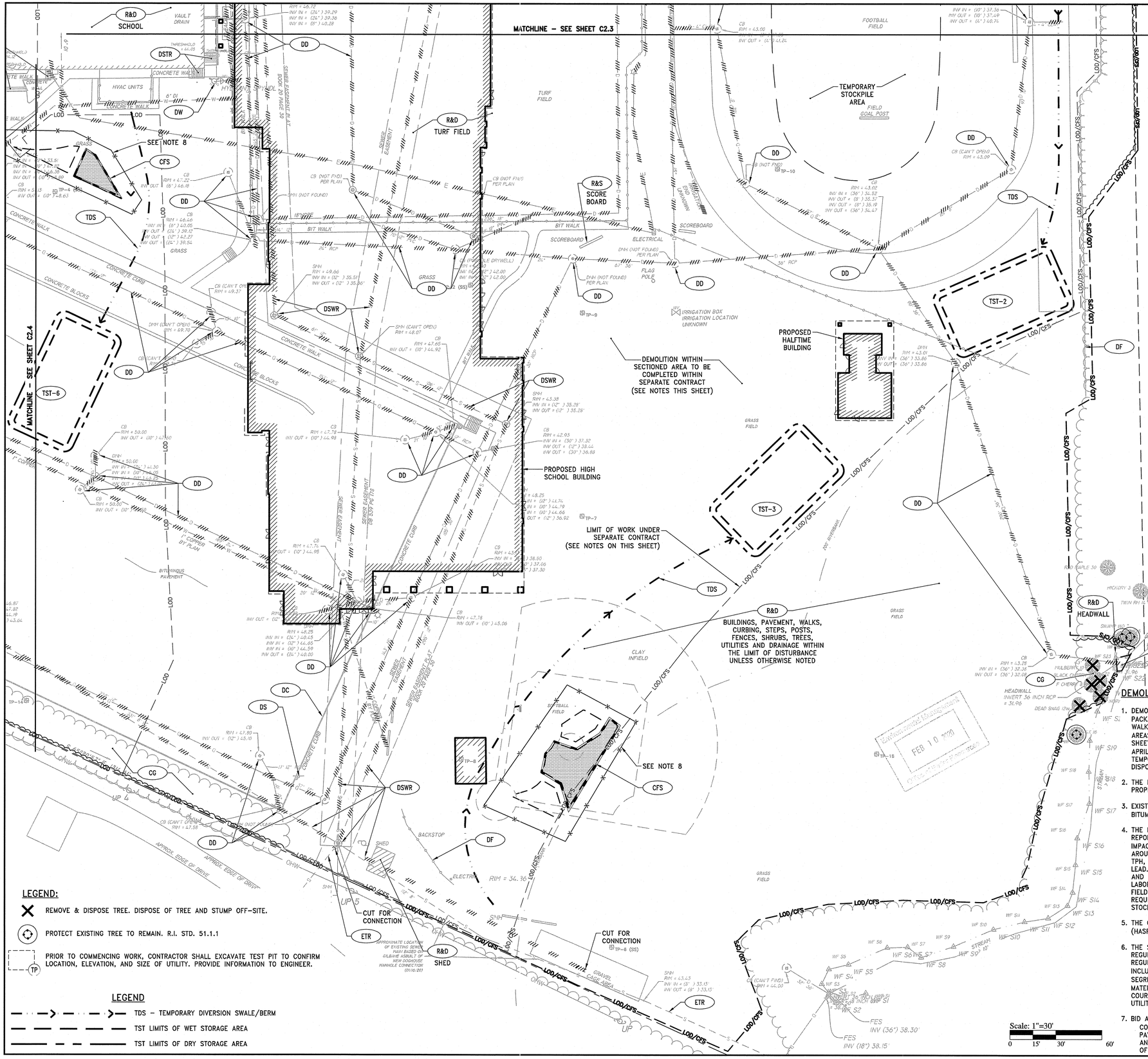
REVISIONS:

1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
DEMOLITION, EROSION & SEDIMENT CONTROL PLAN 4

DRAWING NO.: C2.4
SHEET NO. 15 OF 65



LEGEND:

- REMOVE & DISPOSE TREE. DISPOSE OF TREE AND STUMP OFF-SITE.
- PROTECT EXISTING TREE TO REMAIN. R.I. STD. 51.1.1
- TP — PRIOR TO COMMENCING WORK, CONTRACTOR SHALL EXCAVATE TEST PIT TO CONFIRM LOCATION, ELEVATION, AND SIZE OF UTILITY. PROVIDE INFORMATION TO ENGINEER.

LEGEND

- TDS – TEMPORARY DIVERSION SWALE/BERM
- TST LIMITS OF WET STORAGE AREA
- TST LIMITS OF DRY STORAGE AREA

JAMES POLAND
101 COMMERICAL WAY

EROSION AND SEDIMENT CONTROL NOTES:

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
RIPDES STORMWATER PHASE II PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 1 6 2020
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
ALL APPROVED PLANS MUST BE AT CONSTRUCTION SITE
R-022B

DEMOLITION NOTES:

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

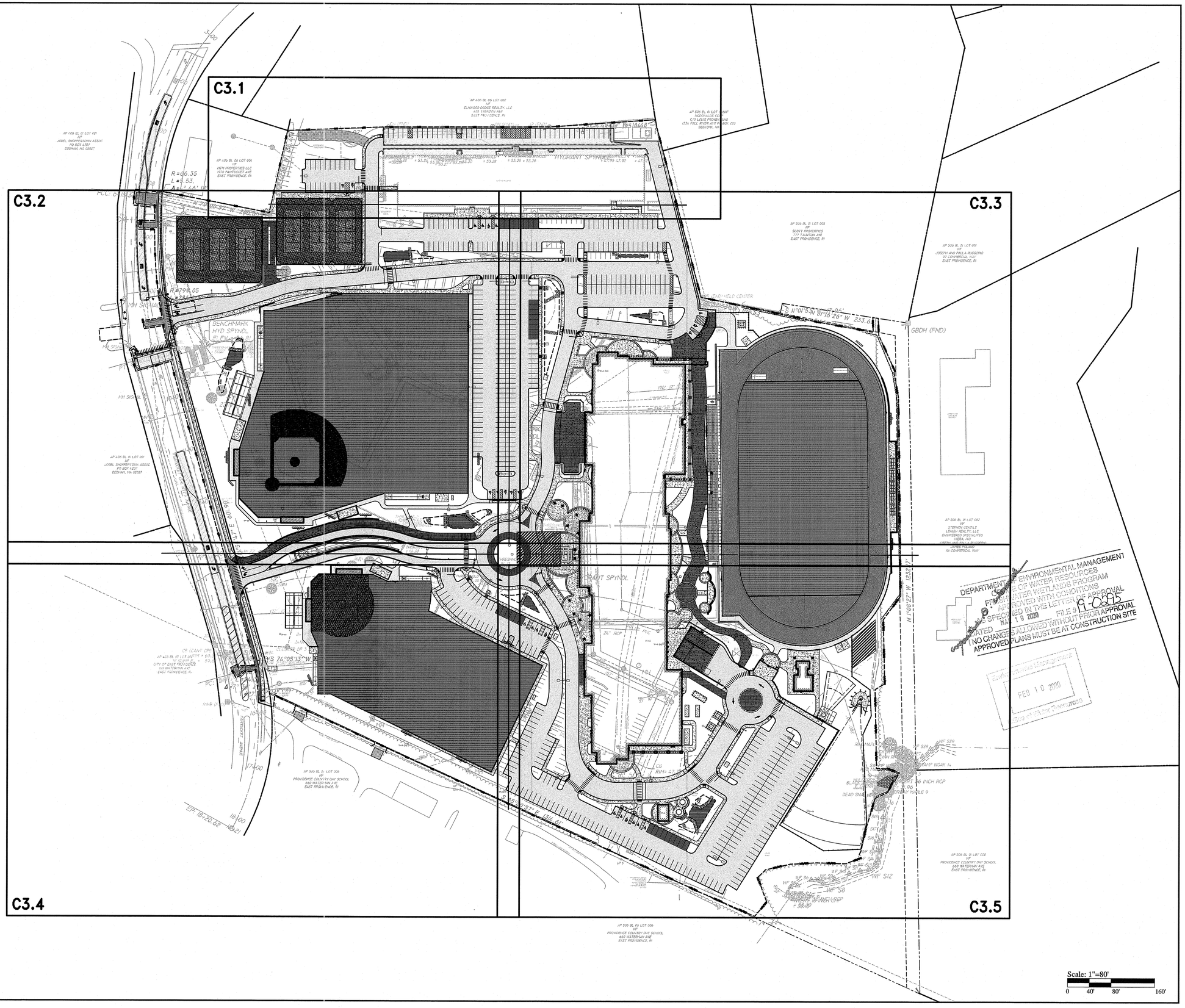
DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER
02.07.20

REVISIONS:		
1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
DEMOLITION, EROSION & SEDIMENT CONTROL PLAN 5

DRAWING NO.: C2.5
SHEET NO. 16 OF 65



PARE
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ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
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401-334-4100

OWNER:
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EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

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02.07.20
REGISTERED
PROFESSIONAL ENGINEER

REVISIONS:

1	2-7-20	RIDEM COMMENTS

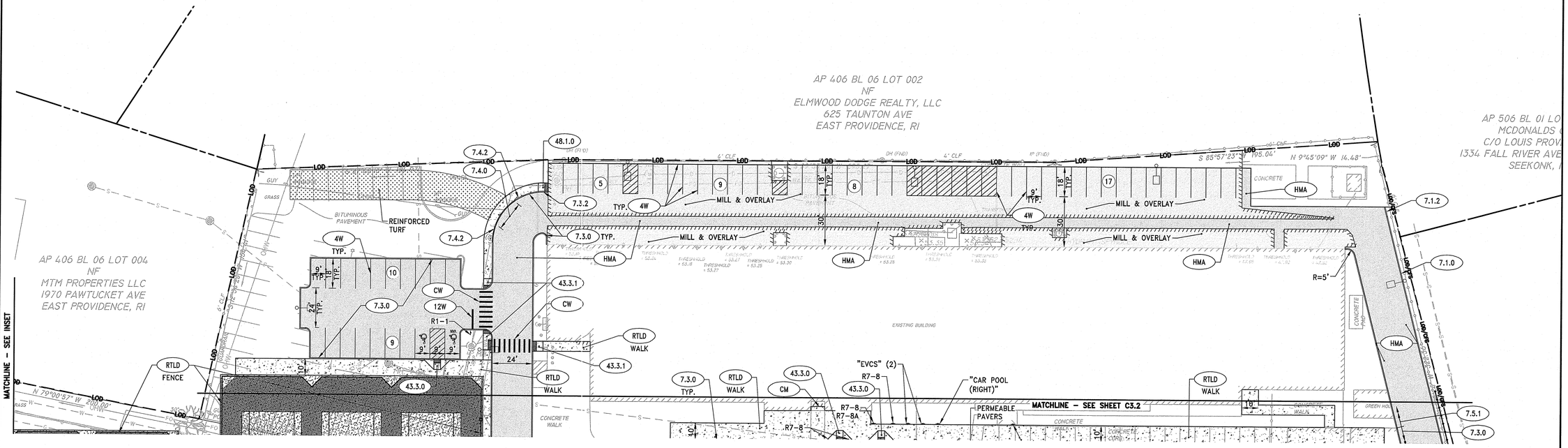
PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=80'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

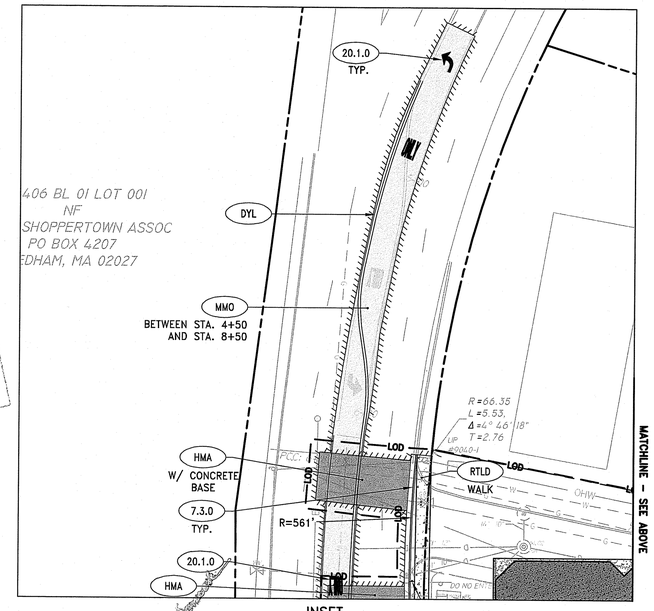
DRAWING TITLE:

OVERALL
GENERAL PLAN

DRAWING NO.:
C3.0

SHEET NO. 17 OF 65





Environmental Management
FEB 10 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 MAR 18 2020 FILE # 19-0235
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

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

NOTES:

1. CONTRACTOR SHALL PROVIDE LOAM AND SEED ON ALL DISTURBED AREAS. REFER TO LANDSCAPE DRAWINGS.
2. **PRIOR TO COMMENCING WORK,** THE CONTRACTOR SHALL EMPLOY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF RHODE ISLAND TO ESTABLISH CONTROL ON THE SITE AND TO PERFORM FIELD MEASUREMENTS AS REQUIRED TO LAYOUT THE PROPOSED BUILDING AND SITE IMPROVEMENTS. THE CONTRACTOR'S SURVEYOR SHALL COORDINATE THE BUILDING LAYOUT WITH THE PROJECT LAND SURVEYOR TO ACCURATELY LOCATE THE BUILDING ON THE SITE.
3. REFER TO LANDSCAPE DRAWINGS FOR DIMENSIONS AND MATERIAL OF THE WALKS.
4. STAMPED COLORED ASPHALT TRUCK APRON CONSISTS OF FULL DEPTH ASPHALT PAVEMENT IN ACCORDANCE WITH TYPICAL PAVEMENT DETAIL. THE PATTERN AND COLOR ARE ADDED AFTER PAVEMENT INSTALLATION. UPON FINAL COMPACTION OF PAVEMENT, PROVIDE TRAFFIC PATTERNSXD™ PAVING MATERIAL MANUFACTURED BY ENNIS-FLINT OR APPROVED EQUIVALENT. PATTERN TO BE DIAGONAL HERRINGBONE WITH STANDARD BRICK BORDER ON OUTSIDE AND SHALL BE GREEN IN COLOR. COORDINATE PATTERN AND COLOR WITH OWNER.
5. DETECTABLE WARNING PANELS WITHIN THE PAWTUCKET AVENUE RIGHT-OF-WAY SHALL BE CAST IRON.

PARE
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8 BLACKSTONE VALLEY PLACE
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OWNER:
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SCHOOL DISTRICT
C/O KATHRYN CROWLEY,
SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL
EAST PROVIDENCE, RHODE ISLAND

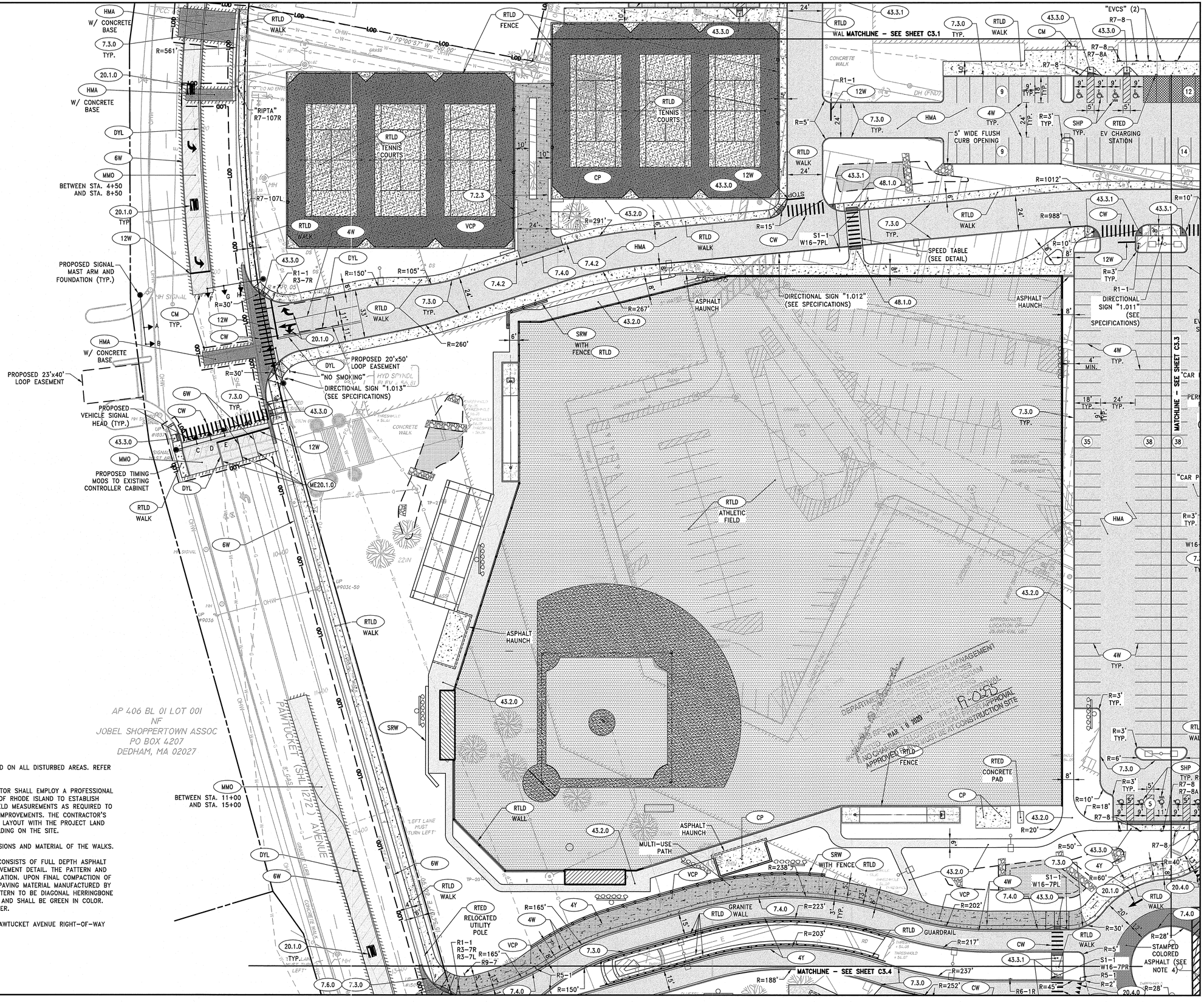
DAVID L. POTTER
No. 8665
02.07.20
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:		
1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
GENERAL
PLAN 1

DRAWING NO.:
C3.1
SHEET NO. 18 OF 65



NOTES:

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

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8 BLACKSTONE VALLEY PLACE
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SCALE ADJUSTMENT GUIDE
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EAST PROVIDENCE HIGH SCHOOL

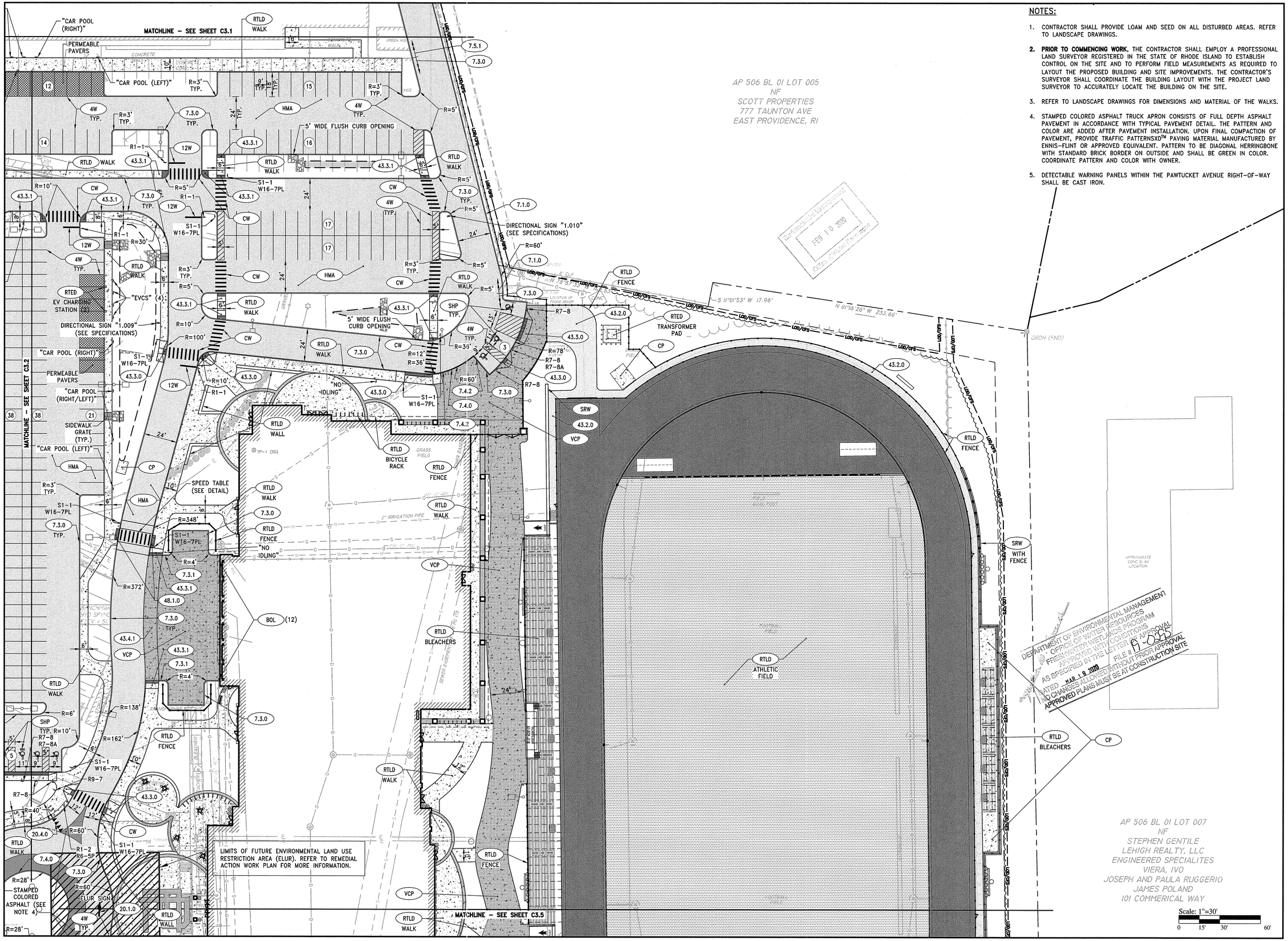
EAST PROVIDENCE, RHODE ISLAND

REVISIONS:		
1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
GENERAL PLAN 2

DRAWING NO.: C3.2
SHEET NO. 19 OF 65



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Environmental Management
FEB 10 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
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EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

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No. 8665
REGISTERED PROFESSIONAL ENGINEER
02.07.20

REVISIONS:

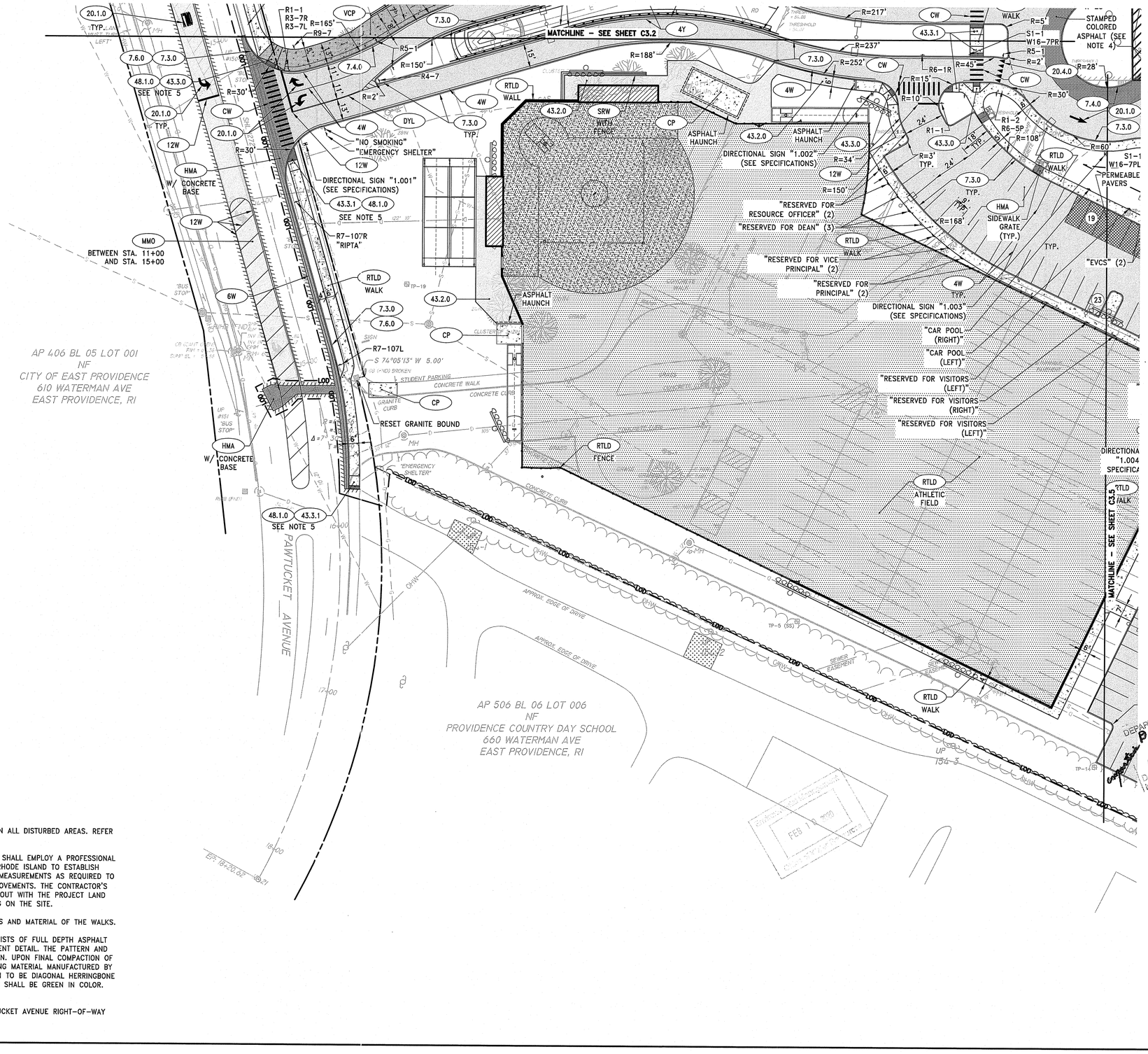
1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
GENERAL PLAN 3

DRAWING NO.: C3.3

SHEET NO. 20 OF 65



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2. **PRIOR TO COMMENCING WORK**, THE CONTRACTOR SHALL EMPLOY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF RHODE ISLAND TO ESTABLISH CONTROL ON THE SITE AND TO PERFORM FIELD MEASUREMENTS AS REQUIRED TO LAYOUT THE PROPOSED BUILDING AND SITE IMPROVEMENTS. THE CONTRACTOR'S SURVEYOR SHALL COORDINATE THE BUILDING LAYOUT WITH THE PROJECT LAND SURVEYOR TO ACCURATELY LOCATE THE BUILDING ON THE SITE.
3. REFER TO LANDSCAPE DRAWINGS FOR DIMENSIONS AND MATERIAL OF THE WALKS.
4. STAMPED COLORED ASPHALT TRUCK APRON CONSISTS OF FULL DEPTH ASPHALT PAVEMENT IN ACCORDANCE WITH TYPICAL PAVEMENT DETAIL. THE PATTERN AND COLOR ARE ADDED AFTER PAVEMENT INSTALLATION. UPON FINAL COMPACTION OF PAVEMENT, PROVIDE TRAFFIC PATTERNSXD™ PAVING MATERIAL MANUFACTURED BY ENNIS–FLINT OR APPROVED EQUIVALENT. PATTERN TO BE DIAGONAL HERRINGBONE WITH STANDARD BRICK BORDER ON OUTSIDE AND SHALL BE GREEN IN COLOR. COORDINATE PATTERN AND COLOR WITH OWNER.
5. DETECTABLE WARNING PANELS WITHIN THE PAWTUCKET AVENUE RIGHT–OF–WAY SHALL BE CAST IRON.

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
02.07.20
REGISTERED PROFESSIONAL ENGINEER

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 19 2020 FILE # 19-0515
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

REVISIONS:		
1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
GENERAL PLAN 4

DRAWING NO.:
C3.4

SHEET NO. 21 OF 65

MATCHLINE – SEE SHEET C3.3

MATCHLINE – SEE SHEET C3.4

JAMES POLAND
101 COMMERICAL WAY

APPROXIMATE BUILDING LOCATION

LIMITS OF FUTURE ENVIRONMENTAL LAND USE RESTRICTION AREA (ELUR). REFER TO REMEDIAL ACTION WORK PLAN FOR MORE INFORMATION.

NOTES:

1. CONTRACTOR SHALL PROVIDE LOAM AND SEED ON ALL DISTURBED AREAS. REFER TO LANDSCAPE DRAWINGS.
2. **PRIOR TO COMMENCING WORK**, THE CONTRACTOR SHALL EMPLOY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF RHODE ISLAND TO ESTABLISH CONTROL ON THE SITE AND TO PERFORM FIELD MEASUREMENTS AS REQUIRED TO LAYOUT THE PROPOSED BUILDING AND SITE IMPROVEMENTS. THE CONTRACTOR'S SURVEYOR SHALL COORDINATE THE BUILDING LAYOUT WITH THE PROJECT LAND SURVEYOR TO ACCURATELY LOCATE THE BUILDING ON THE SITE.
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 18 2020 FILE # 19-0235
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

AP 506 BL 01 LOT 008
NF
PROVIDENCE COUNTRY DAY SCHOOL
660 WATERMAN AVE
EAST PROVIDENCE, RI

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

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER
02.07.20

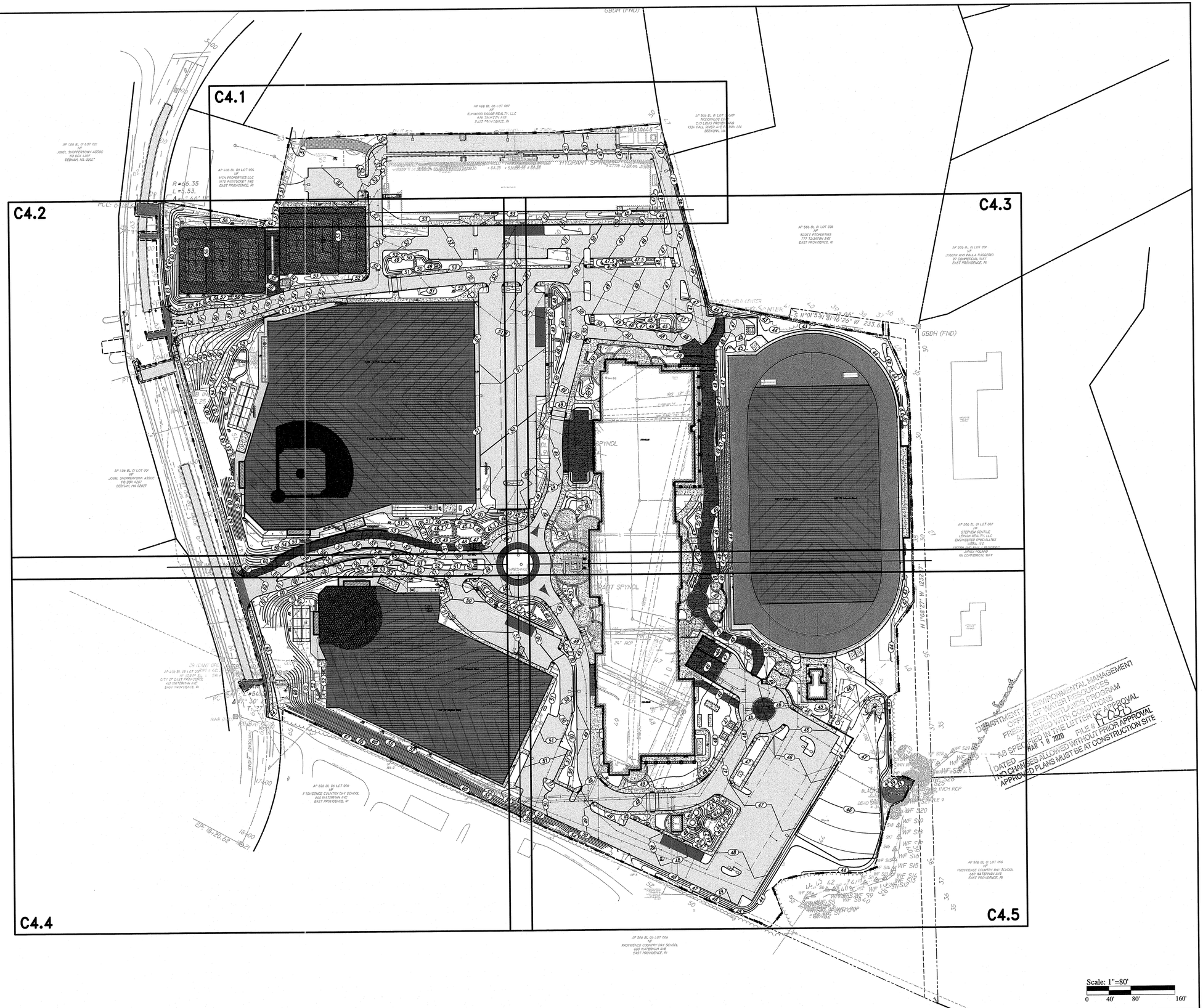
REVISIONS:

1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
GENERAL PLAN 5

DRAWING NO.: C3.5
SHEET NO. 22 OF 65



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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
02.07.20
REGISTERED PROFESSIONAL ENGINEER

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
RECEIVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER DATED MAR 18 2020
FILE # 19-0315
APPROVED WITH OUT PRIOR APPROVAL
NO CHANGES ALLOWED
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

REVISIONS:

1	2-7-20	RIDEM COMMENTS

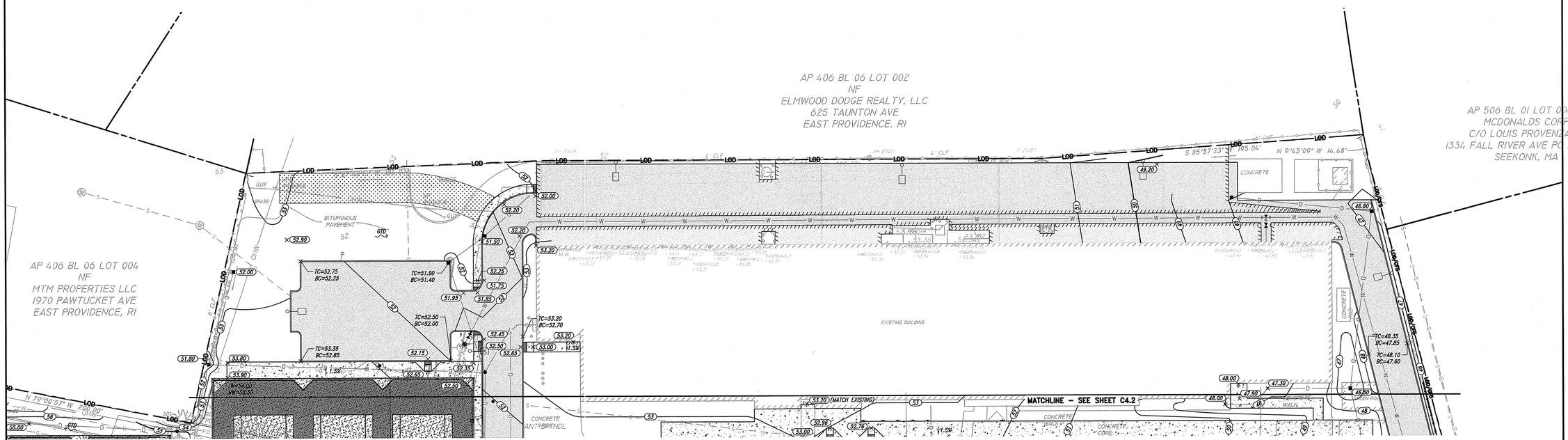
PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=80'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:

OVERALL GRADING PLAN

DRAWING NO.: C4.0

SHEET NO. 23 OF 65



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 1.8% AND A MAXIMUM RUNNING SLOPE OF 4.8% 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.
8. REFER TO LANDSCAPE DRAWINGS FOR ELEVATIONS AT DECORATIVE SEAT WALLS, CAST IN PLACE CONCRETE WALLS, AND STONE VENEER WALLS.

RECEIVED FEB 10 2020 DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 18 2020 FILE # 19-0895
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

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

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

OWNER:
EAST PROVIDENCE
SCHOOL DISTRICT
C/O KATHRYN CROWLEY,
SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

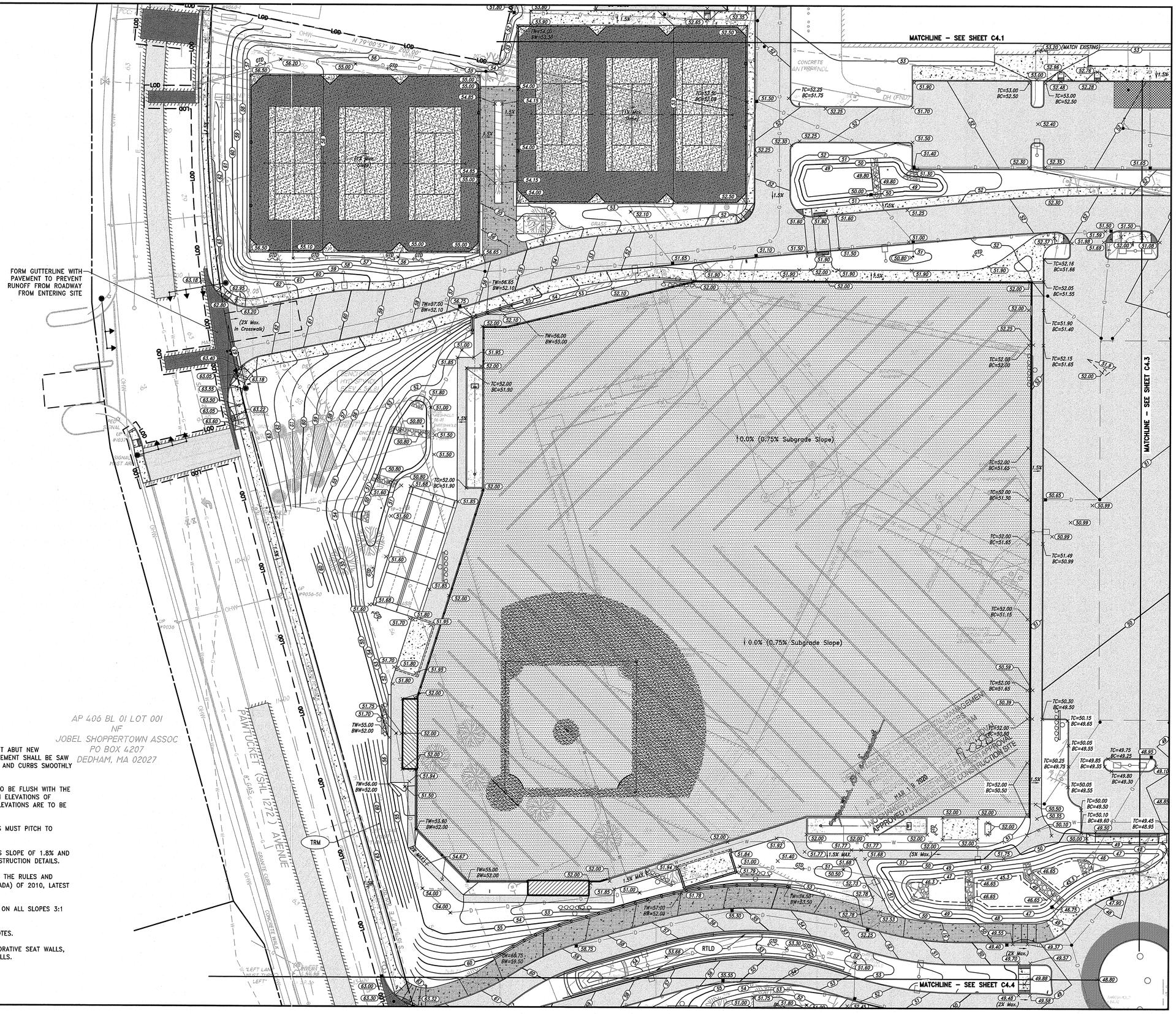
DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER
CIVIL
02.07.20

REVISIONS:		
1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
GRADING
PLAN 1

DRAWING NO.: C4.1
SHEET NO. 24 OF 65



NOTES:

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8. REFER TO LANDSCAPE DRAWINGS FOR ELEVATIONS AT DECORATIVE SEAT WALLS, CAST IN PLACE CONCRETE WALLS, AND STONE VENEER WALLS.

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

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
02.07.20
REGISTERED PROFESSIONAL ENGINEER
(CIVIL)

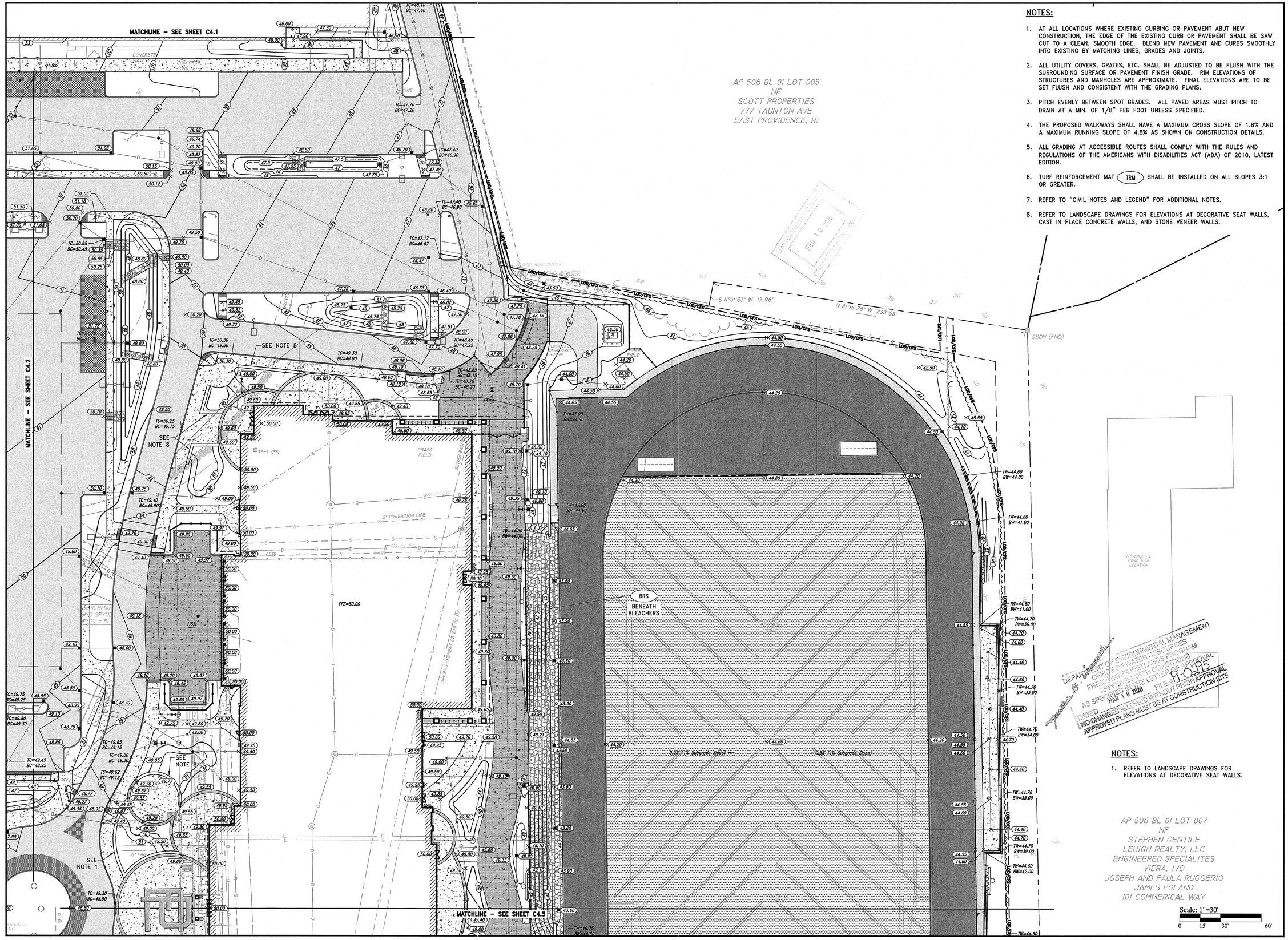
REVISIONS:		
1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
GRADING PLAN 2

DRAWING NO.: C4.2

SHEET NO. 25 OF 65



NOTES:

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8. REFER TO LANDSCAPE DRAWINGS FOR ELEVATIONS AT DECORATIVE SEAT WALLS, CAST IN PLACE CONCRETE WALLS, AND STONE VENEER WALLS.

NOTES:

1. REFER TO LANDSCAPE DRAWINGS FOR ELEVATIONS AT DECORATIVE SEAT WALLS.

AP 506 BL 01 LOT 007
NF
STEPHEN GENTILE
LEHIGH REALTY, LLC
ENGINEERED SPECIALITES
VIERA, IVO
JOSEPH AND PAULA RUGGERIO
JAMES POLAND
101 COMMERICAL WAY

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

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

OWNER:
EAST PROVIDENCE
SCHOOL DISTRICT
C/O KATHRYN CROWLEY,
SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

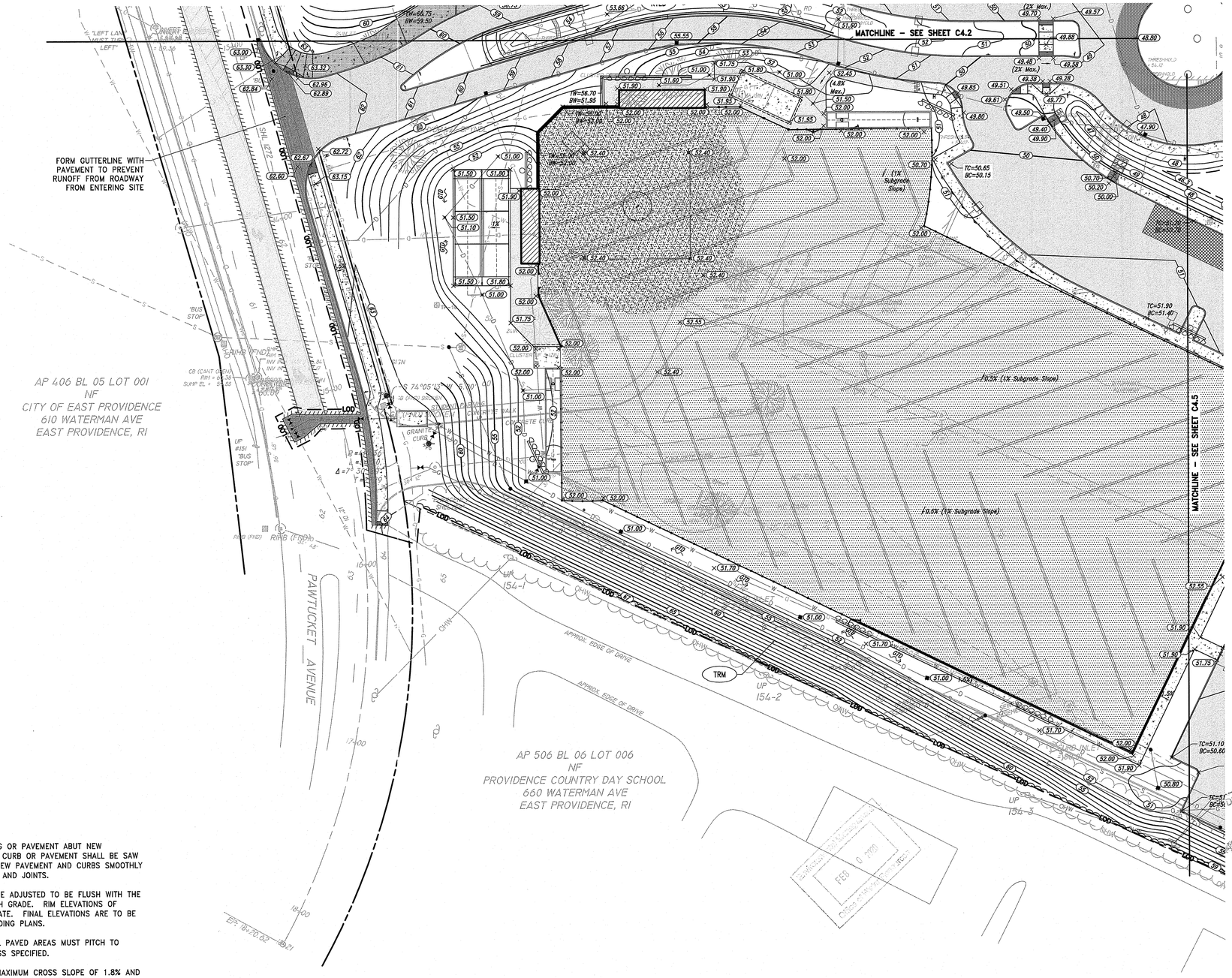
DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
02.07.20

REVISIONS:		
1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
GRADING PLAN 3

DRAWING NO.: C4.3
SHEET NO. 26 OF 65



NOTES:

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

OWNER:
EAST PROVIDENCE
SCHOOL DISTRICT
C/O KATHRYN CROWLEY,
SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER
02.07.20

REVISIONS:

1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
GRADING
PLAN 4

DRAWING NO.: C4.4
SHEET NO. 27 OF 65

MATCHLINE – SEE SHEET C4.3

MATCHLINE – SEE SHEET C4.4

JAMES POLAND
101 COMMERICAL WAY

N 10° 27' W 232.17'

APPROXIMATE BUILDING LOCATION

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

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
AS SPECIFIED IN THE LETTER OF APPROVAL 19-0865
DATED MAR 1 0 2020
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER
02.07.20

REVISIONS:

1	2-7-20	RIDEM COMMENTS

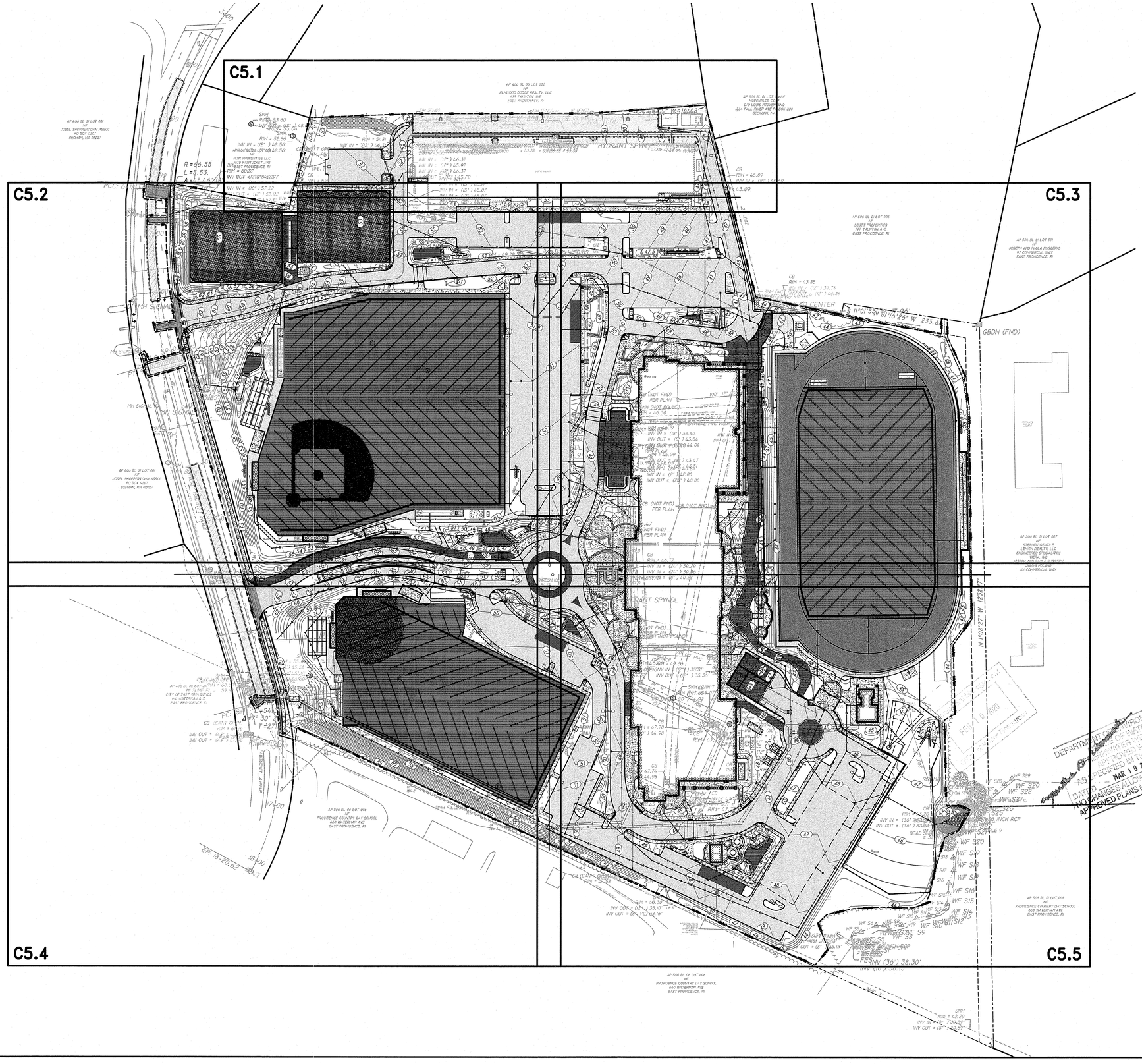
PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:

GRADING PLAN 5

DRAWING NO.: C4.5

SHEET NO. 28 OF 65



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

OWNER:
EAST PROVIDENCE
SCHOOL DISTRICT
C/O KATHRYN CROWLEY,
SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
02.07.20
REGISTERED
PROFESSIONAL ENGINEER

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
APPROVED WITH CONDITIONS
SPECIFIED IN THE LETTER OF APPROVAL
DATED — MAR 1 8 2020
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
FILE # A-0325

REVISIONS:		
1	2-7-20	RIDEM COMMENTS

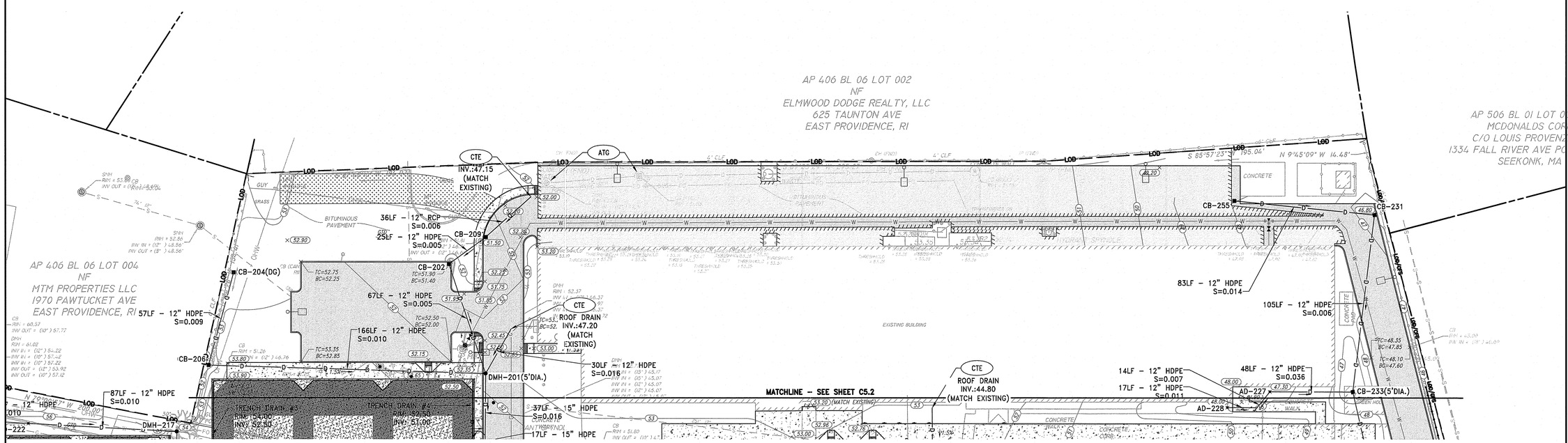
PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=80'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:

OVERALL
DRAINAGE PLAN

DRAWING NO.:
C5.0

SHEET NO. 29 OF 65



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. ALL SEWER MANHOLES SHALL BE 4' DIA. UNLESS NOTED OTHERWISE.
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10. REFER TO "CIVIL NOTES AND LEGEND" FOR ADDITIONAL UTILITY AND STORMWATER STRUCTURE NOTES.

RECEIVED FEB 10 2020

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH LETTER OF APPROVAL
AS SPECIFIED IN THE LETTER OF APPROVAL FILE # FW-0855
DATED MAR 1 9 2020
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

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

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

OWNER:
EAST PROVIDENCE
SCHOOL DISTRICT
C/O KATHRYN CROWLEY,
SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

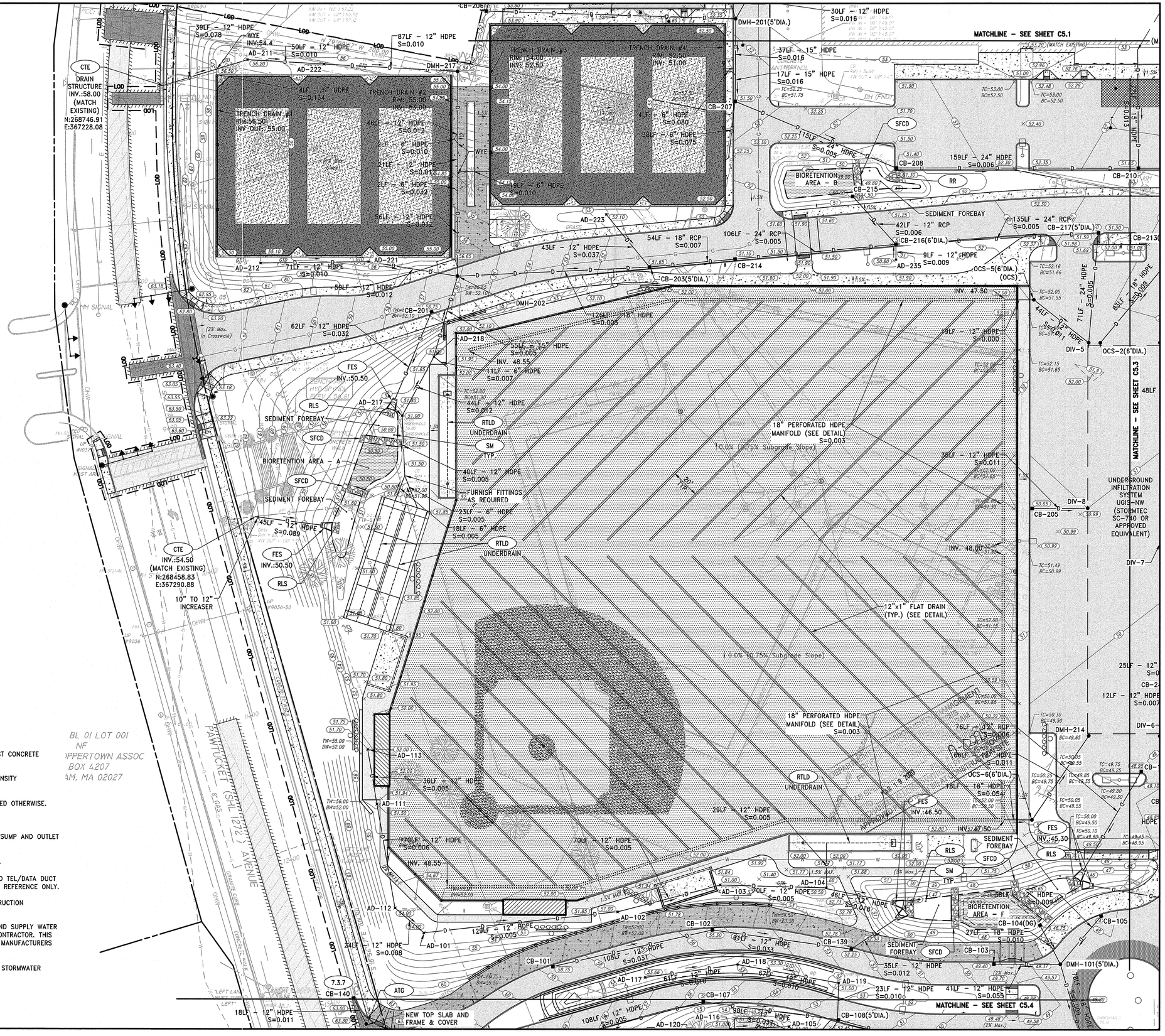
DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
02.07.20

REVISIONS:		
1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
DRAINAGE
PLAN 1

DRAWING NO.: C5.1
SHEET NO. 30 OF 65



NOTES:

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0 15' 30' 60'

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02.07.20
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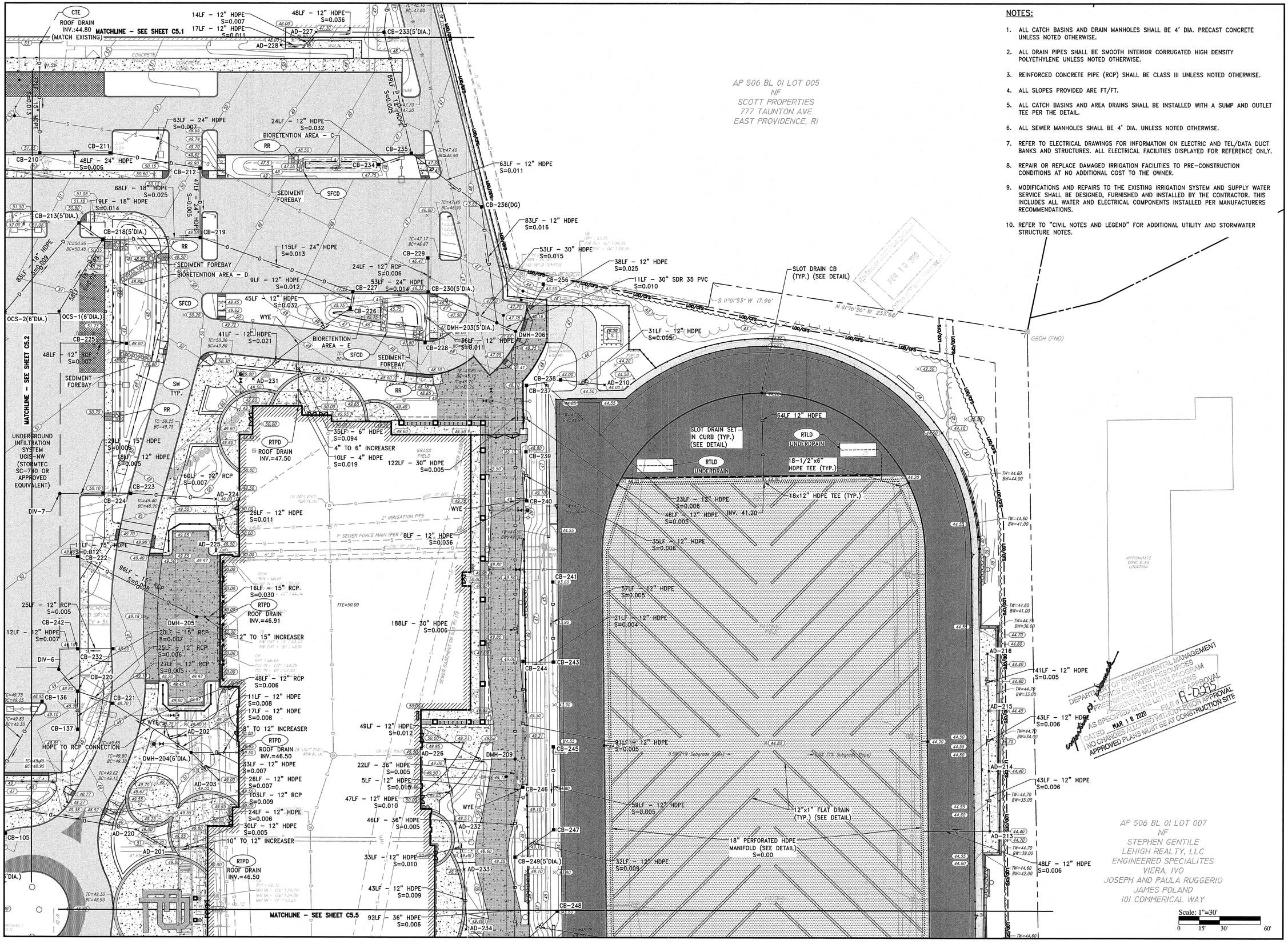
REVISIONS:		
1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
DRAINAGE PLAN 2

DRAWING NO.: C5.2
SHEET NO. 31 OF 65



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EAST PROVIDENCE, RHODE ISLAND

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(CIVIL)
02-07-20

REVISIONS:		
1	2-7-20	RIDEM COMMENTS

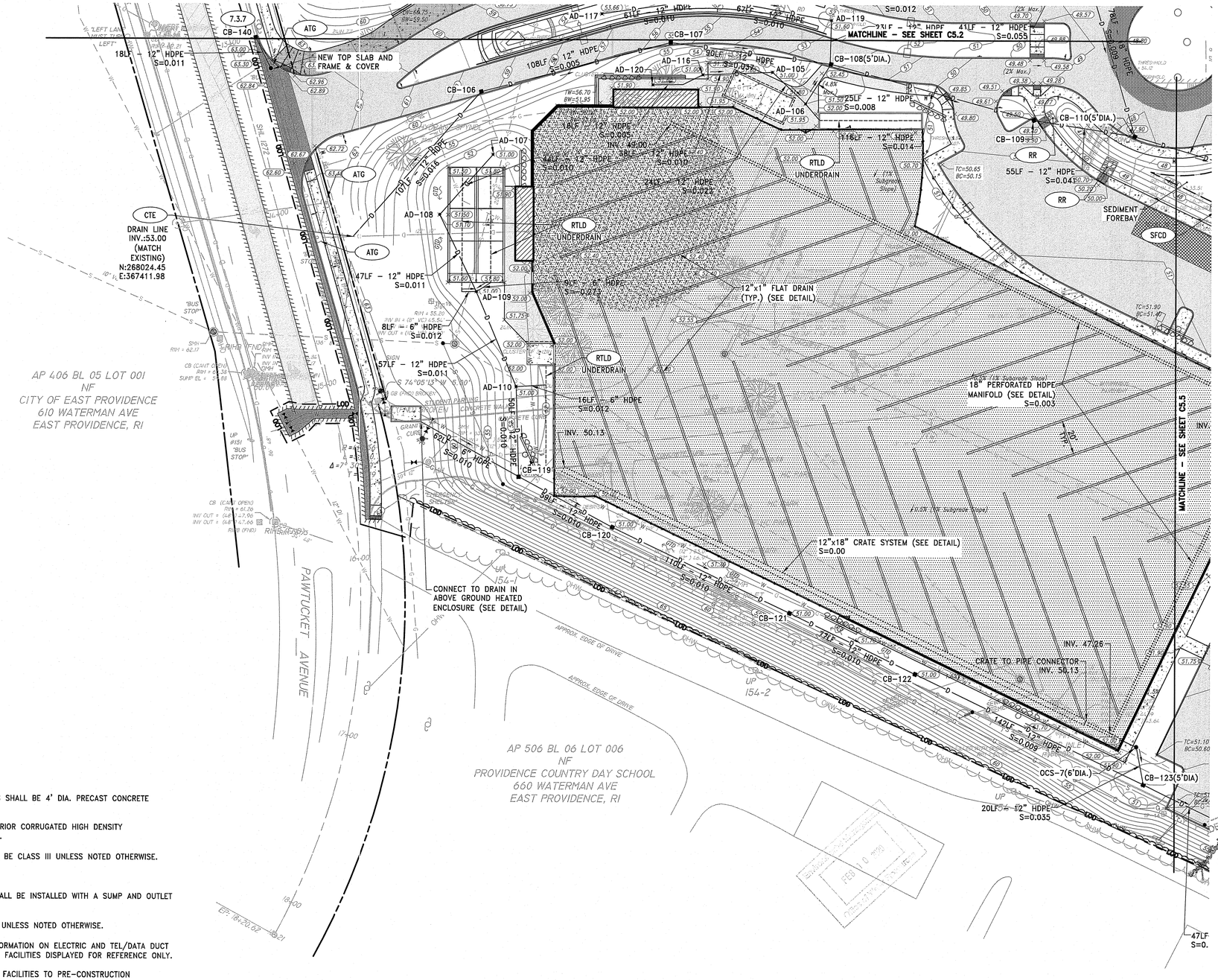
PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:

DRAINAGE
PLAN 3

DRAWING NO.:
C5.3

SHEET NO. 32 OF 65



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02.07.20
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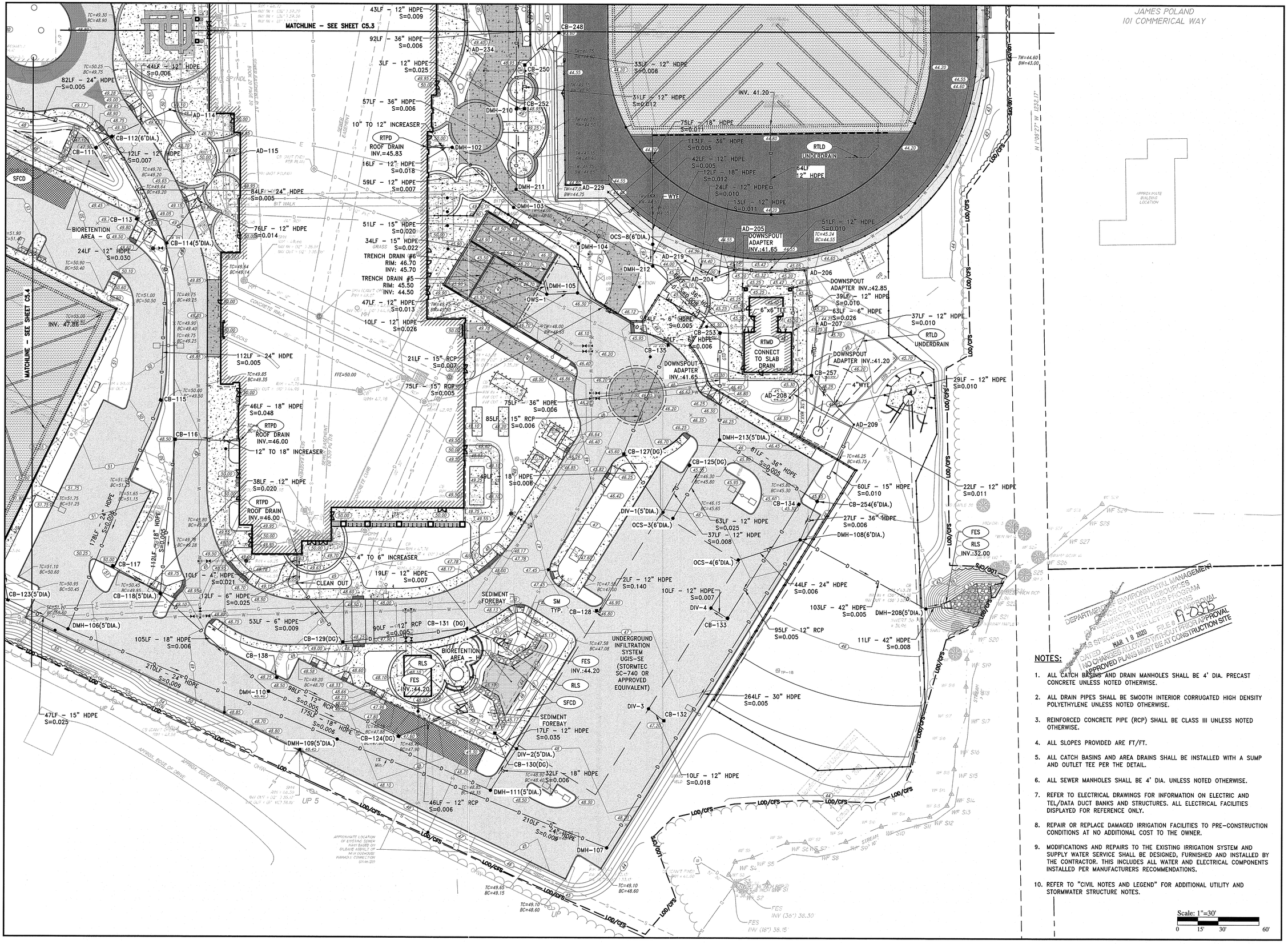
REVISIONS:

1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
DRAINAGE PLAN 4

DRAWING NO.: C5.4
SHEET NO. 33 OF 65



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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT FRESHWATER WETLANDS PROGRAM AS SPECIFIED IN THE LETTER # 19-2805 DATED MAR 19 2020 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL APPROVED PLANS MUST BE AT CONSTRUCTION SITE

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02.07.20

REVISIONS:		
1	2-7-20	RIDEM COMMENTS

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DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
DRAINAGE PLAN 5

DRAWING NO.: C5.5
SHEET NO. 34 OF 65

DRAIN INVERT TABLE

STRUCTURE	RIM (FT)	INV. IN (FT)	INV. OUT (FT)
AD-101	54.00	48.80 NW	48.80 E
AD-102	51.00	48.10 W	48.00 E
AD-103	51.00	47.65 W	47.55 E
AD-104	51.50	47.20 W 47.20 N	47.10 E
AD-111	51.50	49.40 N	49.40 S
AD-112	54.00	49.00 N	49.00 SE
AD-113	51.70		49.60 S
AD-117	53.66		49.50 E
AD-118	53.00	48.90 W	48.80 E
AD-119	51.60	48.10 W	48.00 S
AD-211	56.20	52.80 W	52.70 E
AD-212	55.10		52.60 E
AD-217	51.00	48.89 S	48.89 NE
AD-218	51.00	48.34 SW 48.34 SE	48.34 N
AD-221	55.00	51.90 W	51.80 E
AD-222	55.00	52.20 W	52.10 E
AD-223	52.10		49.10 SE
AD-235	50.80		46.90 N
CB-101	58.75		54.60 E
CB-102	55.30	51.20 W	51.20 E
CB-103	49.40		46.05 E
CB-104(DG)	47.30		43.90 SE
CB-105	47.90		44.00 SW
CB-107	55.55	50.50 W	50.40 E
CB-108(5'DIA.)	52.10	47.00 W 46.90 SW 47.75 N	46.90 E
CB-136	48.95		45.75 SW
CB-139	52.44	48.10 W	46.75 NE
CB-140	63.00		55.85 SE
CB-201	56.75		52.50 SW
CB-202	51.40	46.80 NE	46.75 S
CB-203(5'DIA.)	51.65	47.43 W 47.43 NW	47.43 E
CB-204(DG)	52.00		48.70 S
CB-205	50.65		46.00 E
CB-206	51.80	48.20 N	48.10 E
CB-207	51.50	45.50 N 48.00 S	45.50 E
CB-208	51.40	44.90 W	44.80 E
CB-209	51.50	46.95 NE	46.95 SW
CB-210	51.65	43.80 N 43.90 W	43.80 E
CB-214	50.60	47.05 W	47.05 E
CB-215	50.00		47.00 SE
CB-216(6'DIA.)	50.67	46.50 W 46.75 NW 46.80 S	46.50 E
CB-217(5'DIA.)	51.50	45.85 W	45.85 S
DIV-5	51.50	47.00 NW 45.50 N	45.50 S
DIV-8	51.00	45.60 W	45.50 N
DMH-101(5'DIA.)	48.60	43.60 W 43.60 NW 43.60 NE	43.50 S
DMH-201(5'DIA.)	52.25	46.40 N 46.40 W 46.70 NE	46.40 S
DMH-202	56.10	51.10 W 48.06 S 49.45 N	48.06 E
DMH-214	49.45	45.75 SW	45.50 N
DMH-217	54.92	51.20 W	51.10 S
OCS-2(6'DIA.)	51.50	45.50 S	45.50 NE
OCS-5(6'DIA.)	51.50	47.50 W	47.50 SE
OCS-6(6'DIA.)	50.40	46.50 W	46.50 NE

DRAIN INVERT TABLE

STRUCTURE	RIM (FT)	INV. IN (FT)	INV. OUT (FT)
AD-201	49.20	46.35 E	46.35 NW
AD-202	49.00		46.20 W
AD-203	49.00		46.45 NW
AD-210	44.00		40.75 W
AD-213	44.40	41.50 N	41.50 W
AD-214	44.40	41.75 N	41.75 S
AD-215	44.40	42.00 N	42.00 S
AD-216	44.40		42.20 S
AD-220	49.00	46.20 SE	46.20 W
AD-224	49.00	46.20 S	46.20 W
AD-225	49.00		46.50 N
AD-226	49.00	43.85 S	43.85 E
AD-227	47.30	44.40 SW	44.40 E
AD-228	48.00		44.70 E
AD-231	49.00		44.70 NE
AD-232	49.50	44.35 S	44.35 N
AD-233	49.50	44.70 S	44.70 N
CB-136	48.95		45.75 SW
CB-137	48.70		45.80 N
CB-210	51.65	43.80 N 43.90 W	43.80 E
CB-211	51.05	43.50 W	43.40 E
CB-212	49.90	42.90 W	42.85 S
CB-213(5'DIA.)	50.70	44.70 SW	44.60 SE
CB-218(5'DIA.)	50.45	44.30 NW 44.20 SW	44.20 E
CB-219	49.50	42.60 N 42.40 W	42.30 E
CB-220	48.80	45.65 S 45.65 E	45.65 NW
CB-221	48.70	45.80 SE	45.80 W
CB-222	49.80	45.65 SE	45.65 W
CB-223	48.75	45.80 E	45.80 W
CB-224	50.10	45.70 E	45.70 W
CB-225	49.00		45.85 W
CB-226	45.75	42.30 SW	42.20 N
CB-227	47.25	42.05 S 40.80 W	40.70 E
CB-228	47.80		43.00 N

DRAIN INVERT TABLE

STRUCTURE	RIM (FT)	INV. IN (FT)	INV. OUT (FT)
CB-229	46.47		43.62 S
CB-230(5'DIA.)	46.33	39.90 W 43.48 N 42.60 S	39.60 SE
CB-231	46.80	43.30 W	43.20 S
CB-232	48.60		45.70 W
CB-233(5'DIA.)	46.50	42.60 N 42.60 W	42.55 S
CB-234	47.75		44.00 E
CB-235	46.70	42.10 N 43.20 W	42.00 SE
CB-236(DG)	45.65	41.30 NW	41.20 S
CB-237	48.70	40.45 E	40.45 S
CB-238	44.00		40.60 W
CB-239	48.80	40.20 N	40.20 S
CB-240	48.80	40.00 N	40.00 W
CB-241	43.60		40.10 S
CB-242	49.10	45.58 E	45.58 W
CB-243	43.60	39.80 N	39.80 W
CB-244	49.00	39.70 E	39.70 S
CB-245	43.60		40.10 S
CB-246	48.90	39.25 N	39.20 SW
CB-247	43.60	39.80 N	39.80 SW
CB-248	43.60		40.10 SW
CB-249(5'DIA.)	48.80	36.35 N 39.50 NE	36.30 S
CB-255	48.00		44.50 E
CB-256	43.50		40.00 SW
DIV-6	49.10	45.50 SE	45.50 N
DIV-7	50.40	45.50 E	45.50 N
DMH-203(5'DIA.)	47.70	38.75 NW 39.80 N	38.65 SE
DMH-204(6'DIA.)	50.80	46.25 E 46.25 SE	46.25 NW
DMH-205	49.75	46.40 E	46.40 NW
DMH-206	47.80	38.50 NW 39.00 NE	38.40 S
DMH-209	49.25	36.70 N 43.22 W	36.70 S
OCS-1(6'DIA.)	51.30	44.50 S	45.50 NE
OCS-2(6'DIA.)	51.50	45.50 S	45.50 NE

DRAIN INVERT TABLE

STRUCTURE	RIM (FT)	INV. IN (FT)	INV. OUT (FT)
AD-105	51.00	47.76 W	47.66 SE
AD-106	51.50	47.10 NW 47.10 SE	47.10 NE
AD-107	51.00		48.75 SW
AD-108	51.10	48.30 NE	48.30 SE
AD-109	51.00	47.80 NW 50.50 W 50.50 NE	47.80 SE
AD-110	51.00	47.20 NW 47.00 E	47.10 S
AD-116	51.00	48.15 SW	48.15 E
AD-120	51.60		48.30 E
CB-106	59.50	51.20 SW	51.10 E
CB-107	55.55	50.50 W	50.40 E
CB-108(5'DIA.)	52.10	47.00 W 46.90 SW 47.75 N	46.90 E
CB-109	49.50	45.25 W	45.15 E
CB-110(5'DIA.)	47.90	42.80 W 42.80 N	42.30 E
CB-119	51.00	46.60 N 46.60 NW	46.50 SE
CB-120	51.00	45.90 NW	45.80 SE
CB-121	51.00	44.72 NW	44.62 SE
CB-122	51.00	43.84 NW	43.74 SE
CB-123(5'DIA)	50.80	42.50 NW 46.50 N	42.25 SE
CB-140	63.00		55.85 SE
OCS-7(6'DIA.)	51.80	47.25 NW	47.25 S

DRAIN INVERT TABLE

STRUCTURE	RIM (FT)	INV. IN (FT)	INV. OUT (FT)
AD-114	49.10		43.10 SW
AD-115	49.50		46.00 SW
AD-204	44.00	40.50 NW	40.40 E
AD-205	45.05	40.25 W	40.15 E
AD-206	45.05	39.65 W	39.55 S
AD-207	44.25	39.15 N	39.05 S
AD-208	44.50		41.00 NE
AD-209	46.10	38.10 NW	38.00 SW
AD-219	44.00		40.75 SE
AD-229	44.45		40.60 SE
AD-234	49.00		45.10 N
CB-111	47.30		43.80 NE
CB-112(6'DIA.)	48.80	41.85 W 43.70 SW 42.80 NE	41.75 SE
CB-113	49.20		45.75 SE
CB-114(5'DIA.)	48.70	41.30 NW 44.90 NW 44.90 NE	41.20 S
CB-115	49.50	40.60 N	40.50 S
CB-116	48.50	44.20 E	44.10 S
CB-117	50.00		44.50 SE
CB-118(5'DIA.)	49.25	43.70 NW 43.50 N	43.40 SE
CB-123(5'DIA)	50.80	42.50 NW 46.50 N	42.25 SE
CB-124(DG)	47.60	44.50 NW	44.50 NE
CB-125(DG)	45.55		41.80 SW
CB-127(DG)	45.60	41.80 N	41.80 SE
CB-128	46.80		42.00 SE
CB-129(DG)	47.75	44.80 NW	44.80 E
CB-130(DG)	45.37		42.20 SE
CB-131 (DG)	47.20	44.35 W	44.35 E
CB-132	47.20		41.75 NW
CB-133	46.34	41.60 NE	41.60 NW
CB-134	45.30		42.10 SW
CB-135	45.50	42.35 NW	42.35 S
CB-138	48.25		45.00 SE
CB-248	43.60		40.10 SW
CB-250	48.95	39.90 NE	39.80 S

DRAIN INVERT TABLE

STRUCTURE	RIM (FT)	INV. IN (FT)	INV. OUT (FT)
CB-252	48.95	39.40 N	39.30 W
CB-253	44.80	34.25 NW 40.30 E	34.15 S
CB-254(6'DIA.)	45.95	33.25 NW 37.40 NE	33.15 SW
CB-257	45.00	38.65 N 41.00 W 40.75 SW	38.55 SE
DIV-1(5'DIA.)	46.05	41.50 NW 41.50 NE	41.10 SW
DIV-2(5'DIA.)	48.00	41.50 SW 41.50 NW	41.50 NE
DIV-3	47.28	41.50 SE	41.50 NE
DIV-4	46.42	41.50 SE	41.50 SW
DMH-102	49.76	45.50 W	45.20 SE
DMH-103	49.10	44.75 NW	44.65 SE
DMH-104	47.50	43.60 NW	43.50 S
DMH-105	46.40	42.75 W 42.75 N	42.75 SE
DMH-106(5'DIA.)	50.20	39.40 N 41.00 NW	39.30 E
DMH-107	48.35	35.30 W	34.80 NE
DMH-108(6'DIA.)	45.72	39.20 W 33.50 SW 32.95 NE	32.85 SE
DMH-109(5'DIA.)	48.15	37.30 W	37.20 E
DMH-110	48.50	42.80 NW	42.80 SE
DMH-111(5'DIA.)	48.40	41.70 NW	41.70 NE
DMH-208(5'DIA.)	43.50	32.30 NW	32.20 E
DMH-210	49.03	35.75 N 39.15 E	35.70 S
DMH-211	49.15	35.35 N	35.30 SE
DMH-212	45.83	34.70 NW 40.00 N	34.60 SE
DMH-213(5'DIA.)	46.10	39.80 SW 33.70 N	33.70 SE
OCS-3(6'DIA.)	46.06	41.50 SW	41.50 NE
OCS-4(6'DIA.)	46.05	41.50 SW	39.50 E
OCS-8(6'DIA.)	45.00	40.30 N	40.20 S
OWS-1	46.60	42.90 NW 42.90 N	42.90 E

RECEIVED
FEB 10 2020
ENVIRONMENTAL MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
AS APPROVED WITH THE LETTER OF APPROVAL
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR. 10 2020 FILE # 19-2295
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

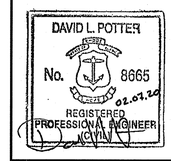
PARE
PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
LINCOLN, RI 02865
401-334-4100

OWNER:
EAST PROVIDENCE
SCHOOL DISTRICT
C/O KATHRYN CROWLEY,
SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND



REVISIONS:

1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:

DRAINAGE
PLAN 6

DRAWING NO.:
C5.6

SHEET NO. 35 OF 65

C6.1

C6.2

C6.3

C6.4

C6.5

Scale: 1"=80'
0 40' 80' 160'

PARE

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EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
02-07-20
REGISTERED
PROFESSIONAL ENGINEER
(CIVIL)

REVISIONS:		
1	2-7-20	RIDEM COMMENTS

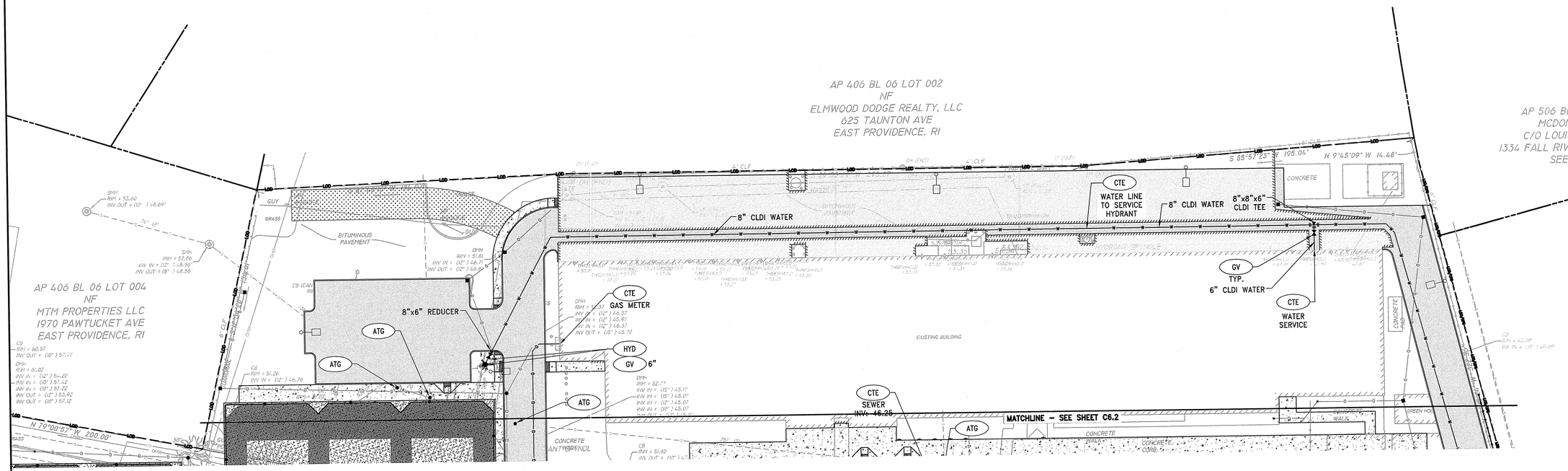
PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=80'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:

OVERALL
UTILITY PLAN

DRAWING NO.:
C6.0

SHEET NO. 36 OF 65



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

FEB 10 2020

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 18 2020 FILE # 19-0295
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

PARE
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401-334-4100

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SUPERINTENDENT
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SCALE ADJUSTMENT GUIDE
0" 1"
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ORIGINAL DRAWING

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
REGISTERED
PROFESSIONAL ENGINEER
02.07.20

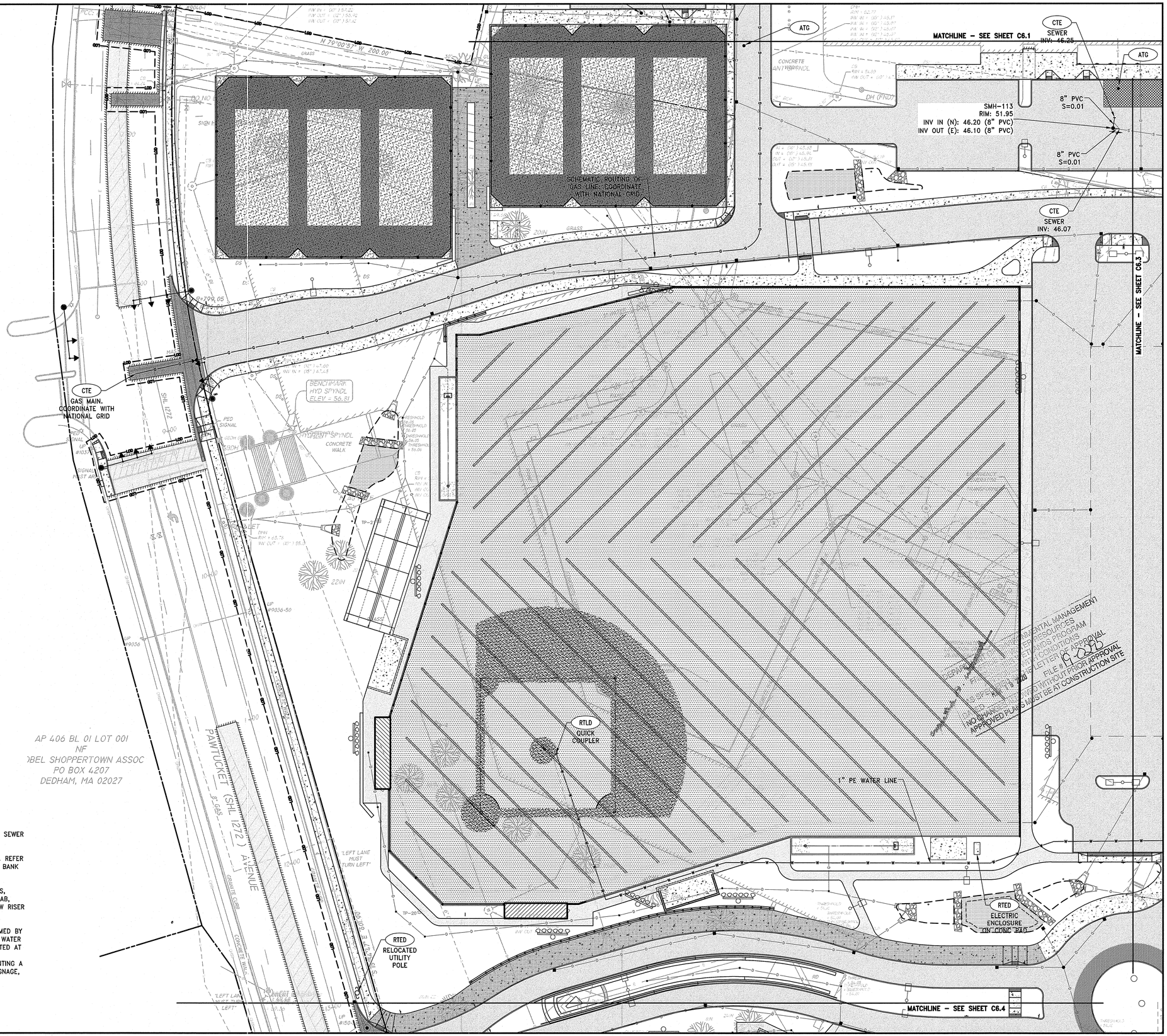
REVISIONS:

1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
UTILITY
PLAN 1

DRAWING NO.: C6.1
SHEET NO. 37 OF 65



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0 15' 30' 60'

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EAST PROVIDENCE, RI 02914

SCALE ADJUSTMENT GUIDE
0" 1"
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EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
02-07-20

REVISIONS:		
1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
UTILITY PLAN 2

DRAWING NO.: C6.2
SHEET NO. 38 OF 65

MATCHLINE – SEE SHEET C6.1

MATCHLINE – SEE SHEET C6.2

MATCHLINE – SEE SHEET C6.5

ATG
RIM:51.40
SEE NOTE 6

SMH-1
RIM: 49.44
INV IN (W): 45.20 (8" PVC)
INV OUT (SE): 44.20 (8" PVC)

FURNISH BENDS AND FITTINGS AS REQUIRED (TYP.)

8" CLDI WATER

282LF – 8" SDR 35 PVC
S=0.009

ATG
RIM:47.65
SEE NOTE 6

ATG
RIM:46.00
SEE NOTE 6

ATG
RIM:48.00
SEE NOTE 6

11LF – 6" SDR 35 PVC
S=0.004

SMH-5 (TRANSITION MANHOLE)
RIM: 45.49
INV IN (NW): 41.66 (8" PVC)
INV IN (NE): 41.70 (6" PVC)
INV OUT (S): 41.60 (8" PVC)

8" CLDI WATER

HYD
GV
6"

8" GV

RTED
TRANSFORMER

RTED
ELECTRIC MANHOLE

8"x8"x8"
CLDI TEE

RTED
ELECTRIC SERVICE

PROPOSED SCHOOL

2" IRRIGATION PIPE

7" SEWER FORCE MAIN (PER PLAN)

8"x8"x1"
CLDI TEE

8" CLDI WATER

1" PE WATER LINE

1" BLOW OFF IN ABOVE GROUND ENCLOSURE

8"x8"x1"
CLDI TEE

GV 1"

6" CLEAN OUT

RTPD
INV: 44.40

RTPD
INV: 44.30

56LF – 6" SDR 35 PVC
S=0.059

WYE
INV: 41.00

8" CLDI WATER

335LF – 8" SDR 35 PVC
S=0.006

RTLD
QUICK COUPLER

1" PE WATER LINE

1" BLOW OFF IN ABOVE GROUND ENCLOSURE

GV 1"

ATG
RIM:49.10
SEE NOTE 6

SMH-6
RIM: 44.91
INV IN (N): 39.53 (8" PVC)
INV OUT (S): 39.46 (8" PVC)

RTED
ELECTRIC MANHOLE

229LF – 8" SDR 35 PVC
S=0.006

RTLD
QUICK COUPLER

AP 506 BL 01 LOT 005
NF
SCOTT PROPERTIES
777 TAUNTON AVE
EAST PROVIDENCE, RI

AP 506 BL 01 LOT 007
NF
STEPHEN GENTILE
LEHIGH REALTY, LLC
ENGINEERED SPECIALITES
VIERA, IVO
JOSEPH AND PAULA RUGGERIO
JAMES POLAND
101 COMMERICAL WAY

S 11°01'53" W 17.96'

N 81°16'26" W 233.68'

GBDH (FND)

APPROXIMATE CONC SLAB LOCATION

Environmental Management
FEB 10 2020
Office Compliance Inspections

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
OFFICE OF COMPLIANCE & INSPECTION
FILE # 19-0295
REVIEWED AS SUBMITTED
DATED MAR 19 2020
NO CHANGES OR ADDITIONS PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

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

NOTES:

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER
02.07.20

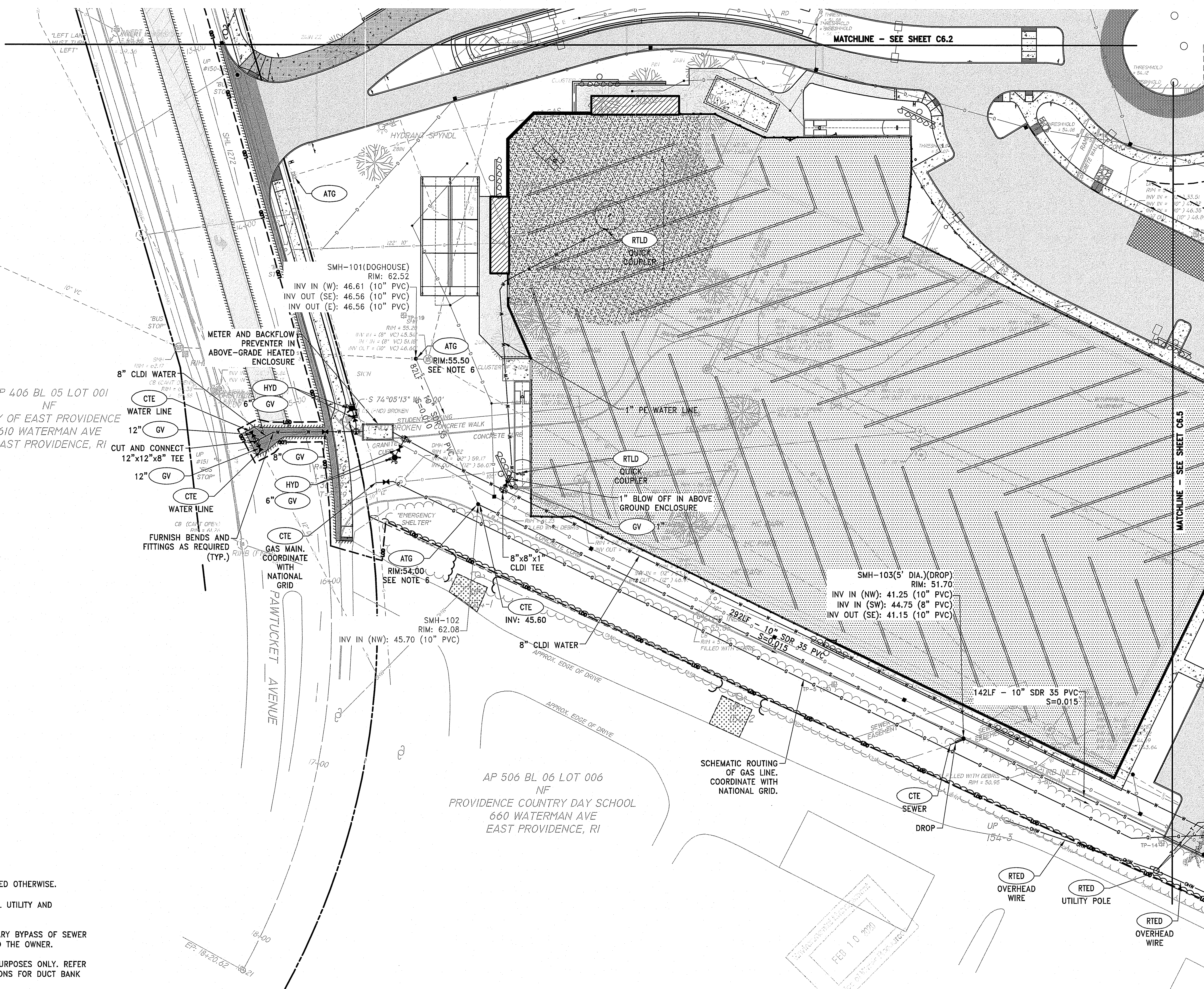
REVISIONS:

1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=30'
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
UTILITY PLAN 3

DRAWING NO.: C6.3
SHEET NO. 39 OF 65



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MAR 18 2020

19-0295

Scale: 1"=30'

0 15' 30' 60'

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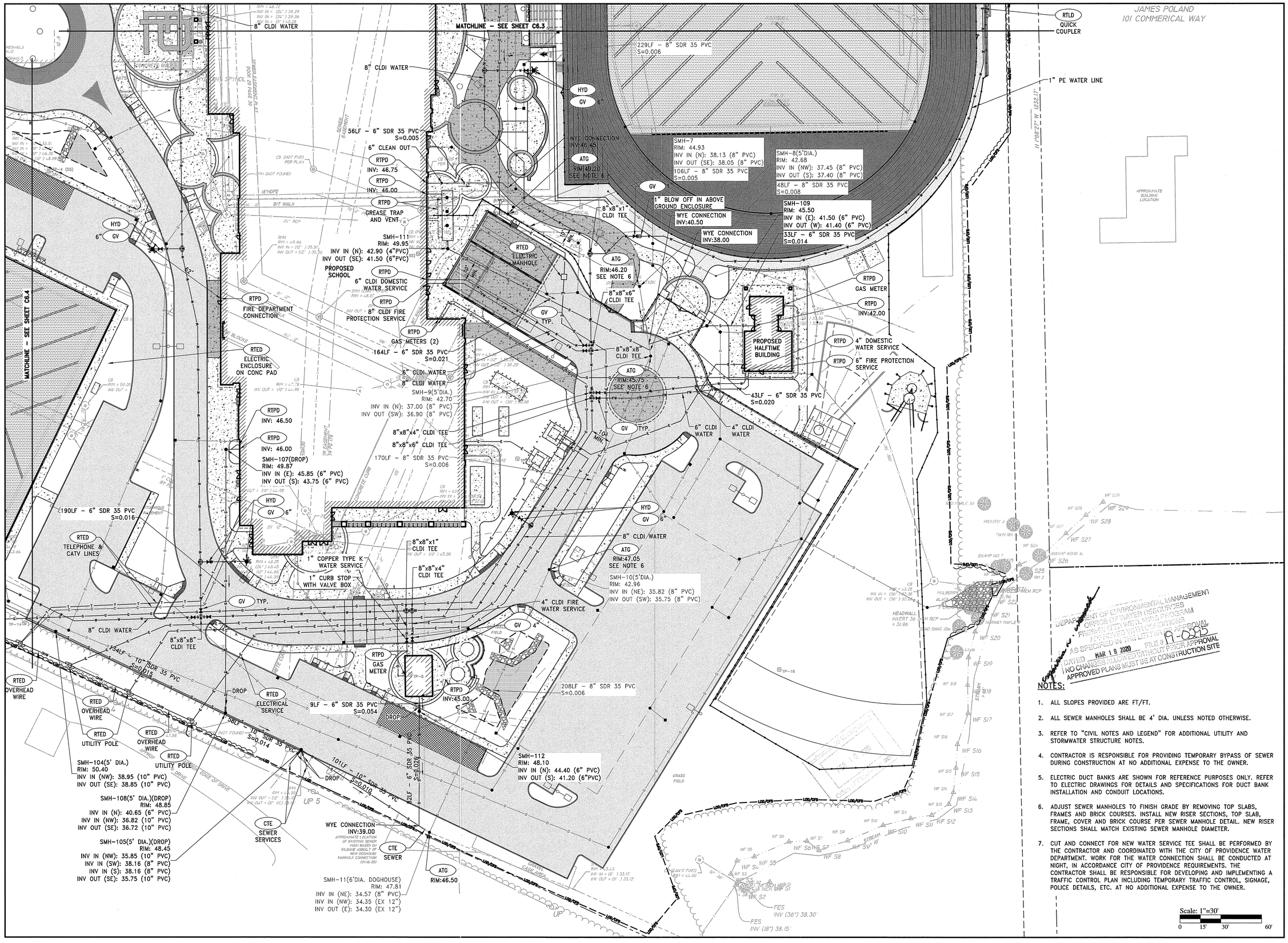
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:

UTILITY
PLAN 4

DRAWING NO.:
C6.4

SHEET NO. 40 OF 65



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02.07.20

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1	2-7-20	RIDEM COMMENTS

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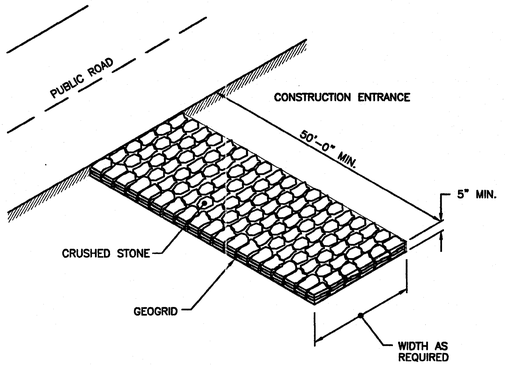
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:

UTILITY PLAN 5

DRAWING NO.: C6.5

SHEET NO. 41 OF 65



NOTE:
SHALL BE IN ACCORDANCE WITH SECTION 211 OF THE R.I. STANDARD SPECIFICATIONS.

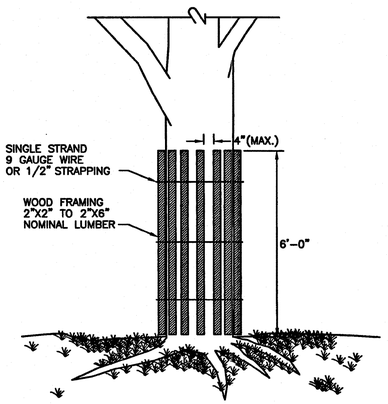
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS NO.	BY	DATE

CONSTRUCTION ACCESS

James K. Cygelski, CHIEF ENGINEER TRANSPORTATION; Edmund T. Parker Jr., CHIEF DESIGN ENGINEER TRANSPORTATION; JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 9.9.0



NOTE:
SHALL BE IN ACCORDANCE WITH SECTION L.11 OF THE STANDARD SPECIFICATIONS.

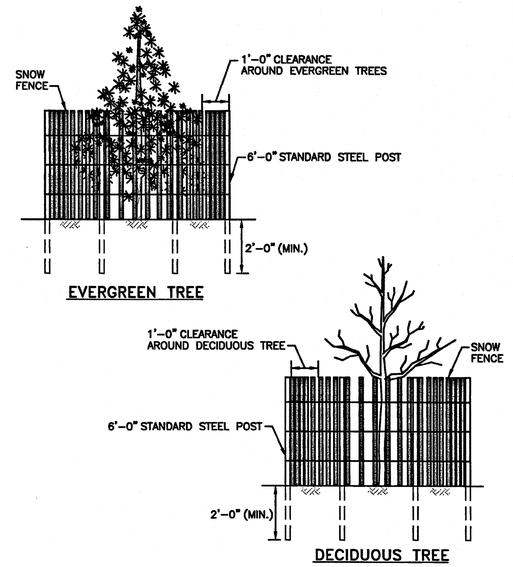
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS NO.	BY	DATE

TREE PROTECTION DEVICE

James K. Cygelski, CHIEF ENGINEER TRANSPORTATION; Edmund T. Parker Jr., CHIEF DESIGN ENGINEER TRANSPORTATION; JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 51.1.0



NOTE:
SHALL BE IN ACCORDANCE WITH SECTION L.11 OF THE R.I. STANDARD SPECIFICATIONS.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS NO.	BY	DATE

DRIP LINE TREE PROTECTION DEVICE FOR EXISTING TREES

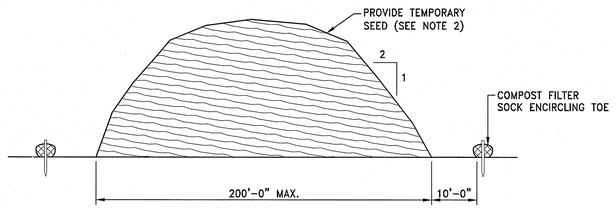
James K. Cygelski, CHIEF ENGINEER TRANSPORTATION; Edmund T. Parker Jr., CHIEF DESIGN ENGINEER TRANSPORTATION; JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 51.1.1

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.

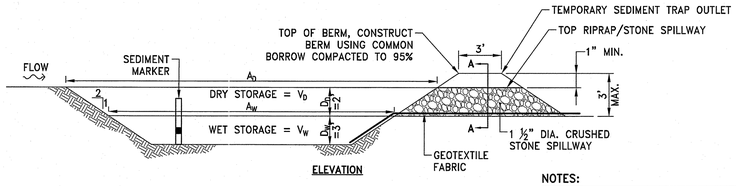
TIP **TEMPORARY INLET PROTECTION**
NOT TO SCALE



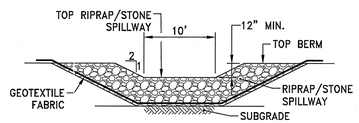
NOTES:

1. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL PREPARE A PLAN SHOWING THE PROPOSED LOCATION OF ALL STOCKPILE AREAS.
2. STOCKPILED ERODIBLE MATERIAL THAT WILL NOT BE USED FOR GREATER THAN 14 DAYS SHALL BE STABILIZED WITH TEMPORARY SEED IMMEDIATELY FOLLOWING PLACEMENT. USE R.I. STD. L.02.01 TYPE 3 SEED.

ERODIBLE MATERIAL STOCKPILE
NOT TO SCALE



ELEVATION



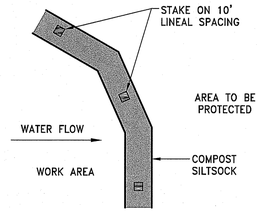
SECTION A–A

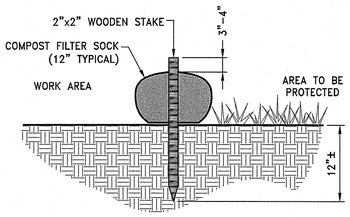
	L_W (FT)	W_W (FT)	A_W (SF)	V_W (CF)	V_D (CF)	TOTAL STORAGE $V_W + V_D$ (CF)
TST 1	82	41	3,362	8,573	7,772	16,345
TST 2 & 3	76	38	2,888	7,364	6,752	14,116
TST 4	86	42	3,612	9,211	8,312	17,523
TST 5	88	43	3,784	9,649	8,680	18,292
TST 6	88	44	3,872	9,874	8,864	18,738

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_D AND A_W.
6. GEOTEXTILE FABRIC SHALL BE MIRAFI 140N OR APPROVED EQUIVALENT.

TST **TEMPORARY SEDIMENT TRAP DETAIL**
NOT TO SCALE

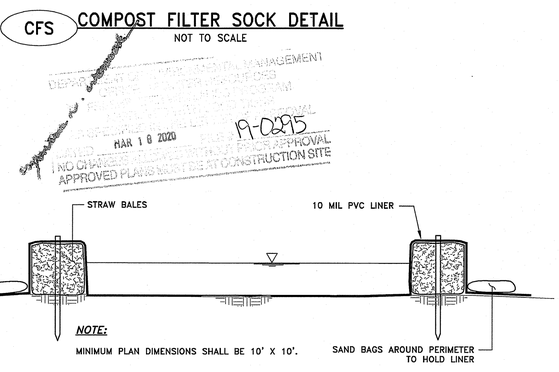




NOTES:

1. COMPOST/ SOIL/ ROCK/ SEED FILL TO MEET APPLICATION REQUIREMENTS.
2. COMPOST MATERIAL TO BE REMOVED OR DISPERSED ON SITE AS DETERMINED BY ENGINEER.

CFS **COMPOST FILTER SOCK DETAIL**
NOT TO SCALE



CONCRETE WASHOUT FACILITY
NOT TO SCALE

FEB 10 2020
MAR 18 2020
19-0295
APPROVAL
NO CHANGES
APPROVED PLANS MUST BE IN CONSTRUCTION SITE

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
02.07.20
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

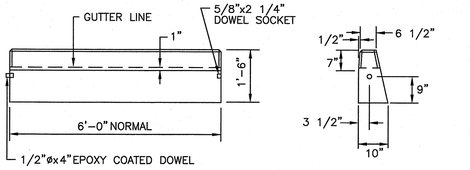
1	2-7-20	RIDEM COMMENTS

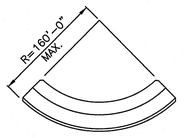
PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	NOT TO SCALE
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
DETAILS 1

DRAWING NO.: C7.1

SHEET NO. 42 OF 65





CIRCULAR 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.

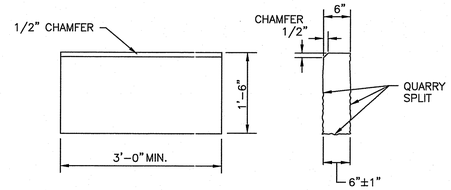
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

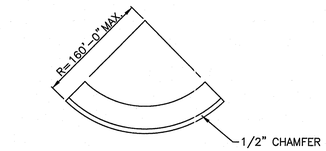
REVISIONS		
NO.	BY	DATE
1	MLP	Mar 05

PRECAST CONCRETE CURB

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 7.1.0





CIRCULAR 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.

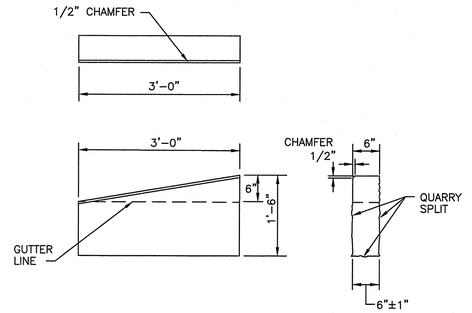
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

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

GRANITE CURB

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 7.3.0



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.

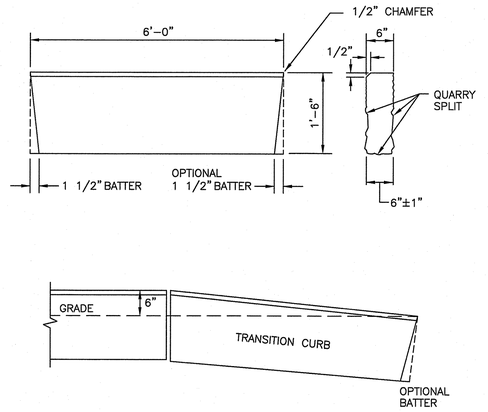
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

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

3'-0" GRANITE TRANSITION CURB

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 7.3.1



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 REUSED.
3. TOP SURFACE TO BE DRESSED BY SAW. REMAINDER MAY BE QUARRY SPLIT.

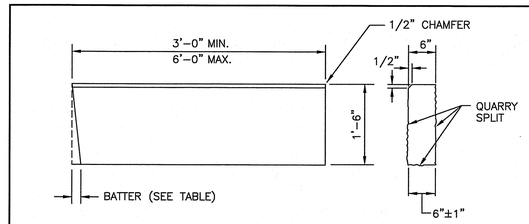
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

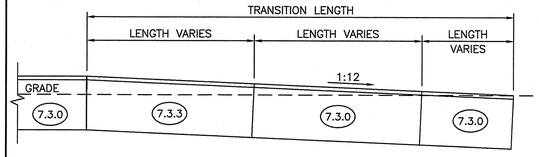
REVISIONS		
NO.	BY	DATE
1	MLP	Mar 2005
2	MLP	Sep 2012

6'-0" GRANITE TRANSITION CURB

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 7.3.2





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

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 REUSED.
3. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR CURB FILLER PIECES TO BE 3'-0" (GREATER LENGTHS PREFERRED).
4. TOP SURFACE TO BE DRESSED BY SAW. REMAINDER MAY BE QUARRY SPLIT.

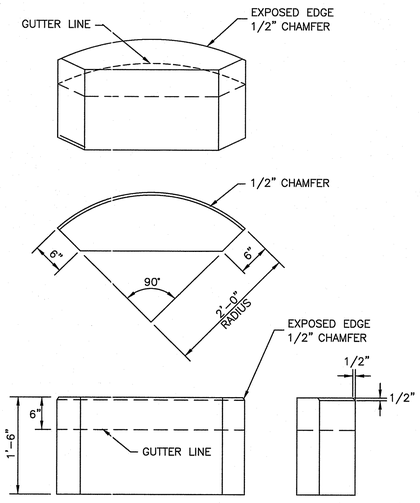
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		
NO.	BY	DATE
1	MLP	Mar 2005
2	MLP	Jun 2012

GRANITE WHEELCHAIR RAMP TRANSITION CURB

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 7.3.3



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.

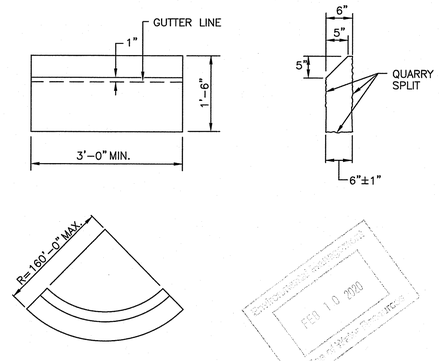
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

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

GRANITE 2'-0" RADIUS CORNER

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 7.3.4



CIRCULAR CURB

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 18 2020 FILE # 19-0335
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
RECEIVED FEB 10 2020

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

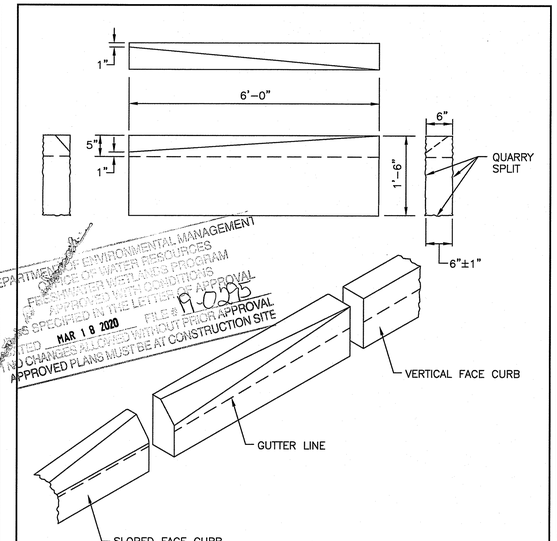
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		
NO.	BY	DATE
1	MLP	Mar 05

GRANITE SLOPED FACE CURB

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 7.4.0



NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. TOP SURFACE AND SLOPED SURFACE TO BE DRESSED BY SAW. REMAINDER TO BE QUARRY SPLIT.
3. DRAWING SHOWS TRANSITION CURB FOR ONE DIRECTION. FOR OTHER DIRECTION USE OPPOSITE HAND.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		
NO.	BY	DATE
1	MLP	Mar 05

GRANITE TRANSITION CURB (VERTICAL FACE TO SLOPED FACE)

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 7.4.2

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL
EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
02.07.20
REGISTERED PROFESSIONAL ENGINEER
STATE OF RHODE ISLAND

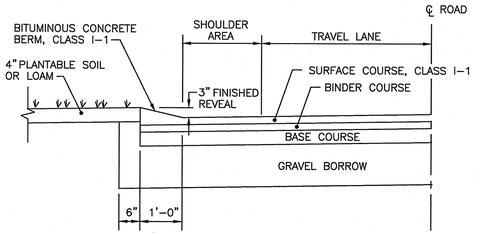
REVISIONS:		
1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	NOT TO SCALE
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

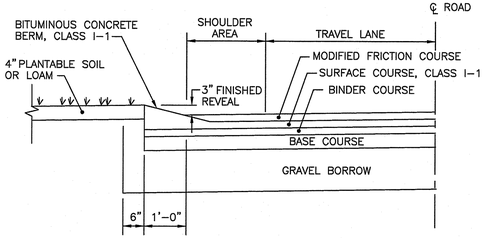
DRAWING TITLE:
DETAILS 2

DRAWING NO.:
C7.2

SHEET NO. 43 OF 65



CONSTRUCTION METHOD A



CONSTRUCTION METHOD B

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.

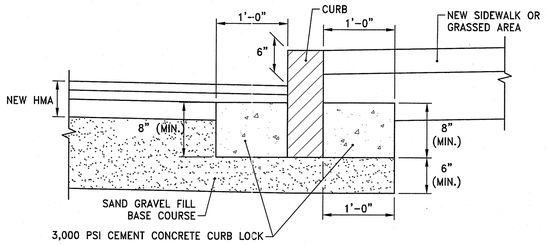
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		
NO.	BY	DATE
1	MLP	Mar 05

BITUMINOUS BERM

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

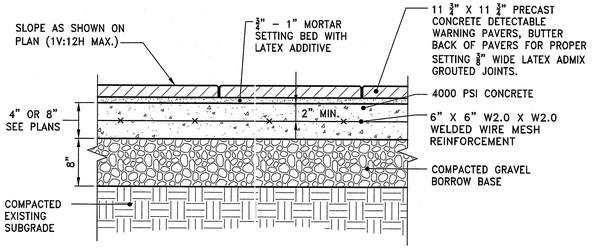
R.I. STANDARD 7.5.1



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

CURB SETTING DETAIL

NOT TO SCALE

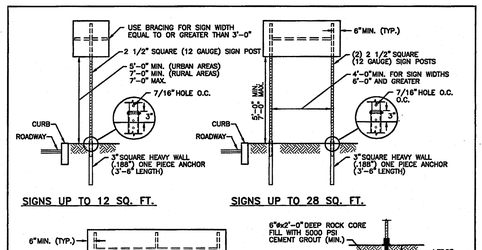


NOTE:
1. PROVIDE EXPANSION AND CONTROL JOINTS IN CONCRETE BENEATH CONCRETE PAVERS.

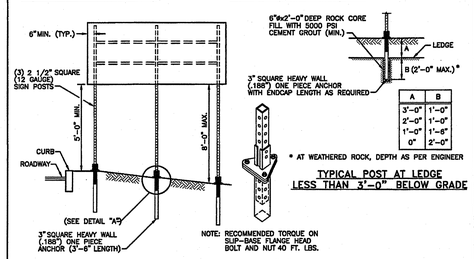
DWP

DETECTABLE WARNING PAVERS

NOT TO SCALE



SIGNS UP TO 12 SQ. FT. — SIGNS UP TO 28 SQ. FT.



SIGNS UP TO 8'-0"Wx4'-0"H — DETAIL "A"

TYPICAL POST AT LEDGE LESS THAN 3'-0" BELOW GRADE

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION T.15 OF THE R.I. STANDARD SPECIFICATIONS.
2. SIGN SUPPORTS HAVE BEEN DESIGNED IN ACCORDANCE WITH AASHTO SPECIFICATIONS FOR A 10-YEAR MEAN WIND RECURRENCE INTERVAL.
3. FOR INSTALLATION IN GROUND OR BITUMINOUS CONCRETE DRIVE SIGN POST ANCHOR TO REQUIRED DEPTH SO THAT THE HOLE WILL MATCH TO SIGN POST ABOVE GROUND FOR THE BOLT CONNECTION. INSERT SIGN POST AND BOLT IN PLACE.
4. FOR INSTALLATION IN CONCRETE SEE STD. 25.3.0 AND FOLLOW THE PROCEDURE IN NOTE 2.
5. FOR INSTALLATION IN LEDGE LESS THAN 3'-0" BELOW GRADE SEE DETAIL ABOVE.
6. EDGE OF SIGN SHALL BE 1'-6" (MIN.) FROM EDGE OF CURB IN URBAN AREAS AND 6'-0" (MIN.) FROM EDGE OF CURB IN EDGE OF CURB IN RURAL AREAS.
7. INSTALLATION PROCEDURES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
8. BREAKAWAY SIGN SUPPORTS SHALL BE FABRICATED FROM STEEL AND SHALL CONFORM TO THE BREAKAWAY DESIGN SHOWN ON THIS SHEET.
9. STEEL POSTS SHALL CONFORM TO ASTM-A361. Fy= 55 KSI. THE CROSS SECTION OF THE POST SHALL BE SQUARE TUBE FORMED OF 12 GAUGE (.105" U.S.S. GAUGE) COLD-ROLLED CARBON STEEL SHEETS WHICH HAVE BEEN ZINC COATED (1.25 OZ.) CONFORMING TO ASTM-A525, CAREFULLY ROLLED TO SIZE AND WELDED DIRECTLY IN THE CORNER BY HIGH FREQUENCY RESISTANCE WELDING OR EQUAL AND EXTERNALLY SCARED TO AGREE WITH CORNER RADII. STANDARD CORNER RADIUS SHALL BE 3/32" PLUS OR MINUS 1/64".
10. ALL BOLTS SHALL CONFORM TO ASTM-A307, CLASS A.
11. ALL BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AS PER ASTM-A153.
12. FOR SIGNS GREATER THAN 32 SQ. FT., REFER TO STD. 30.1.0, 30.1.1, 30.2.0, 30.2.1, 30.3.0, 30.3.1, 30.4.0, 30.4.1, 30.4.2 AND 30.4.3.

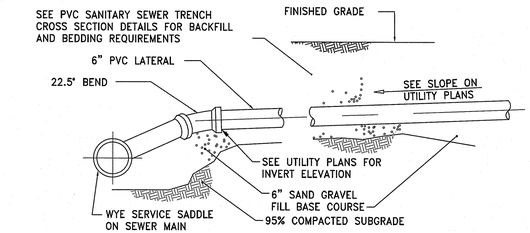
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		
NO.	BY	DATE

SIGN POST SELECTION AND INSTALLATION DETAILS
SQUARE POST (SIGNS UP TO 8'-0"Wx4'-0"H)

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 24.1.0



SEWER WYE CONNECTION DETAIL

NOT TO SCALE

RECEIVED
FEB 10 2020
Office of Transportation

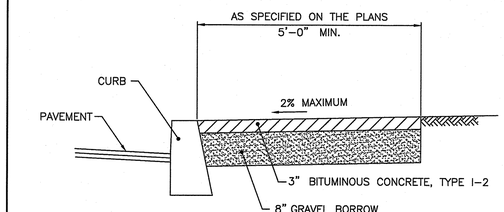
PARE
PARE CORPORATION
ENGINEERS · SCIENTISTS · PLANNERS
8 BLACKSTONE VALLEY PLACE
LINCOLN, RI 02865
401-334-4100

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND



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.

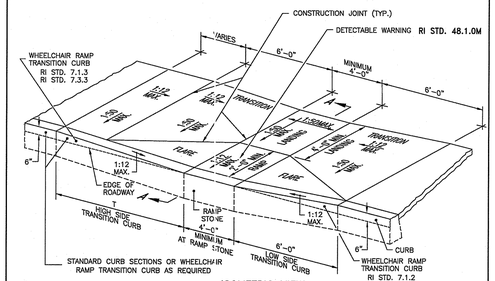
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		
NO.	BY	DATE
1	MLP	3/1/05
2	MLP	06/01/10

BITUMINOUS CONCRETE SIDEWALK

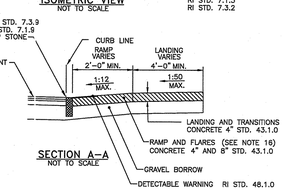
CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 43.2.0



ISOMETRIC VIEW

NOT TO SCALE



ROADWAY PROFILE GRADE	T (FT.)
0.00	6.0
0.01	7.0
0.02	8.0
0.03	9.5
0.04	11.5
0.05	15.0

SECTION A–A

NOT TO SCALE

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 5% 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 RADIALLY, 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 RI STANDARD SPECIFICATIONS.
16. 8" CONCRETE DEPTH FOR RADIUS WHEELCHAIR RAMPS ONLY. USE 4" DEPTH FOR TANGENT (MID-BLOCK) LOCATIONS.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

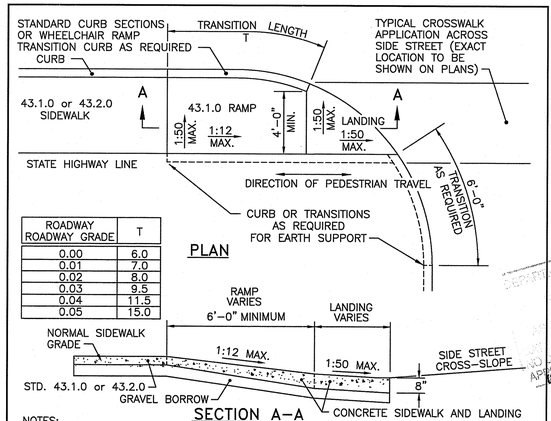
REVISIONS		
NO.	BY	DATE
1	MLP	Oct 2003
2	MLP	Jun 2009
3	MLP	Sep 2012

WHEELCHAIR RAMP

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 43.3.0

NOTES:
1. FOR ALL LOCATIONS WITHIN THE PROPERTY LIMITS, DETECTABLE WARNING PAVERS SHALL BE INSTALLED.
2. FOR ALL LOCATIONS WITHIN THE STATE RIGHT OF WAY, CAST IRON DETECTABLE WARNING PANELS SHALL BE INSTALLED.



ROADWAY ROADWAY GRADE	T
0.00	6.0
0.01	7.0
0.02	8.0
0.03	9.5
0.04	11.5
0.05	15.0

SECTION A–A

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

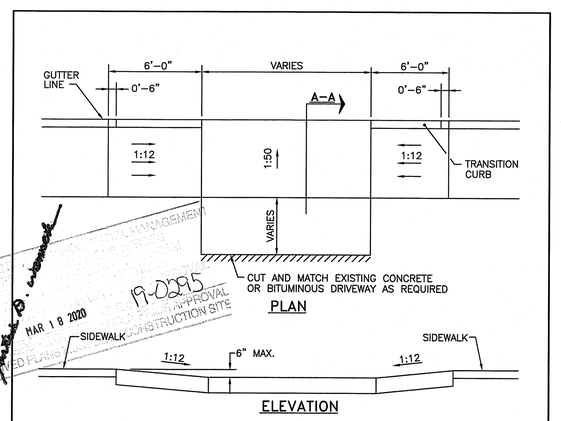
REVISIONS		
NO.	BY	DATE
1	MLP	Dec 2005
2	MLP	Sep 2012

WHEELCHAIR RAMP
FOR LIMITED RIGHT-OF-WAY AREAS

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 43.3.1

NOTES:
1. FOR ALL LOCATIONS WITHIN THE PROPERTY LIMITS, DETECTABLE WARNING PAVERS SHALL BE INSTALLED.
2. FOR ALL LOCATIONS WITHIN THE STATE RIGHT OF WAY, CAST IRON DETECTABLE WARNING PANELS SHALL BE INSTALLED.



SECTION A–A

NOTE:
SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		
NO.	BY	DATE
1	MLP	3/1/05
2	MLP	6/27/08

DRIVEWAY DEVELOPMENT FOR
6'-0" TRANSITION CURB

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 43.4.1

MAR 18 2020
19-0295
APPROVAL
CONSTRUCTION SITE
AS APPROVED PLANS

DAVID L. POTTER
No. 8665
02.07.20
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

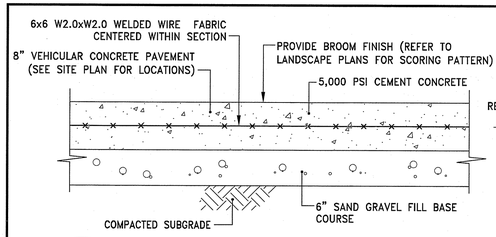
1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	NOT TO SCALE
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

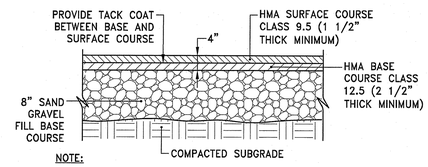
DRAWING TITLE:
DETAILS 3

DRAWING NO.:
C7.3

SHEET NO. 44 OF 65

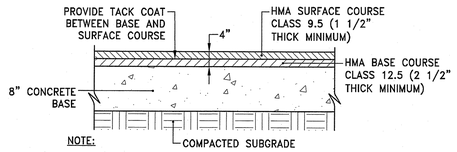


VCP **VEHICULAR CONCRETE PAVEMENT DETAIL**
NOT TO SCALE



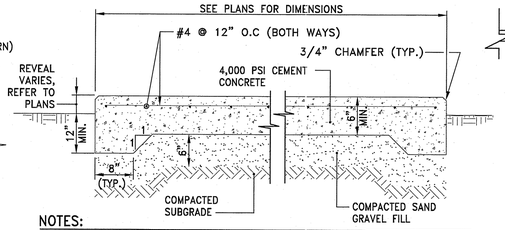
NOTE:
1. SUBMIT JOB MIX FORMULAS TO ENGINEER FOR APPROVAL PRIOR TO PLACEMENT.

HMA **HOT MIX ASPHALT PAVEMENT**
NOT TO SCALE



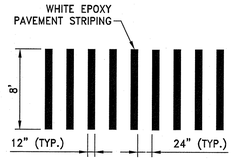
NOTE:
1. SUBMIT JOB MIX FORMULAS TO ENGINEER FOR APPROVAL PRIOR TO PLACEMENT.

HMA WITH CONCRETE BASE **HOT MIX ASPHALT WITH CONCRETE BASE**
NOT TO SCALE

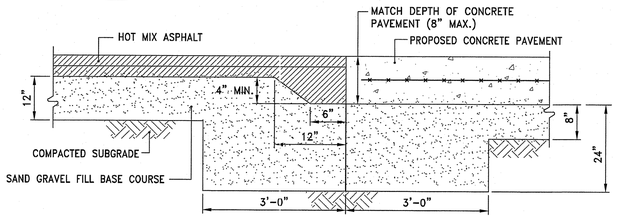


NOTES:
1. REINFORCING TO BE #4 GRADE 60 BARS AND SHALL CONFORM TO ASTM STANDARD A-615 OF THE LATEST DATA. REINFORCING RODS TO BE LOCATED IN THE CENTER OF THE SLAB, WITH A MINIMUM OF 2" CLEARANCE FROM FACE OF CONCRETE.
2. CONTRACTOR SHALL COORDINATE LOCATIONS OF OPENINGS, FENCE POSTS, OR OTHER FEATURES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

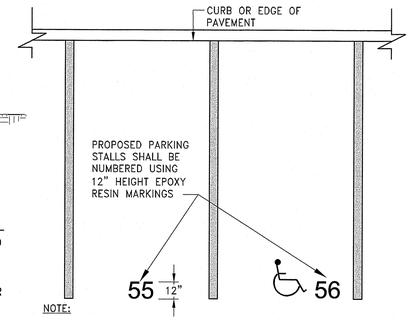
CP **CEMENT CONCRETE PAD**
NOT TO SCALE



CW **TYPICAL CROSSWALK DETAIL**
NOT TO SCALE

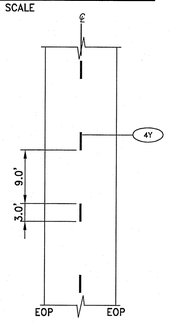


ASPHALT HAUNCH DETAIL
NOT TO SCALE

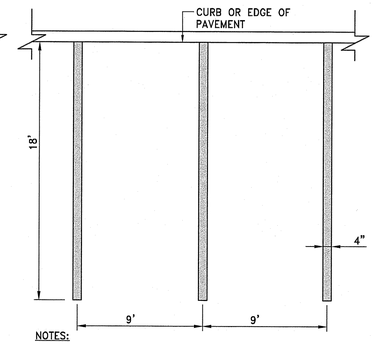


NOTE:
1. NUMBERING SHALL INCLUDE STRIPING OF 200 SPACES WITH NUMBERS 1 THROUGH 200. FINAL NUMBER LOCATION AND SEQUENCE TO BE COORDINATED WITH THE OWNER PRIOR TO COMMENCEMENT OF THE PAVEMENT MARKING WORK.
2. 10 VISITORS SPACES SHALL BE MARKED WITH THE WORD "VISITOR" IN 12" LETTERING.
3. PARKING NUMBERING AND LETTERS SHALL BE CENTERED IN THE STALL AND ALIGNED WITH THE END OF THE STALL STRIPING.
4. ALL PARKING PAVEMENT MARKINGS SHALL BE EPOXY RESIN CONFORMING TO THE SPECIFICATION, COORDINATE COLOR OF NUMBERS WITH THE OWNER.

TYPICAL SPACE NUMBERING DETAIL
NOT TO SCALE

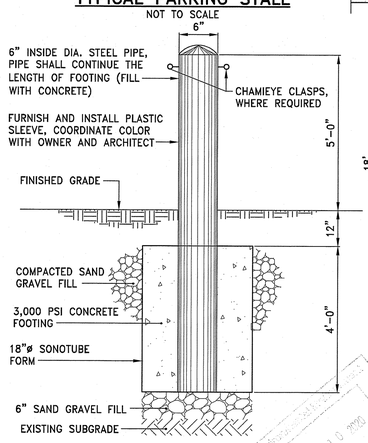


MULTI-USE PATH STRIPING
NOT TO SCALE

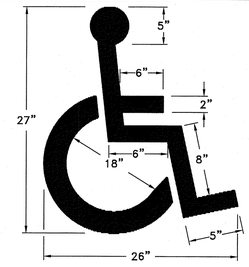


NOTES:
1. COORDINATE PAVEMENT MARKING COLORS WITH PLANS.
2. ALL PARKING PAVEMENT MARKINGS SHALL BE EPOXY RESIN, CONFORMING TO THE SPECIFICATIONS.

TYPICAL PARKING STALL
NOT TO SCALE

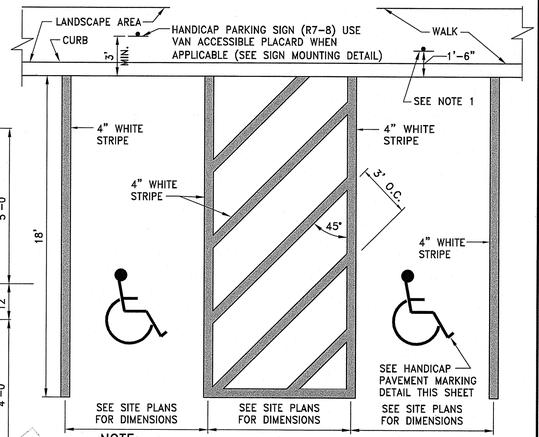


BOL **BOLLARD DETAIL**
NOT TO SCALE



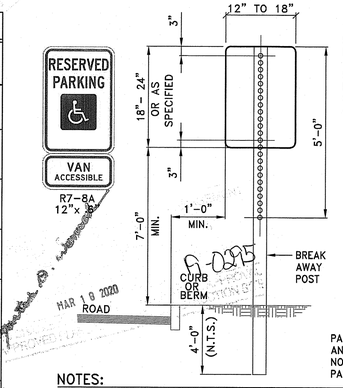
NOTE:
HANDICAP PARKING AND SIGNAGE SHALL BE IN CONFORMANCE WITH THE RULES & REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT.

SHP **HANDICAP PAVEMENT MARKING**
NOT TO SCALE



NOTE:
1. WHERE STALLS ABUT SIDEWALK, PARKING SIGNS SHOULD BE PLACED AT BACK EDGE OF SIDEWALK. IF BACK OF SIDEWALK IS >10' FROM PARKING STALL, SIGN SHALL BE LOCATED 1'-6" FROM THE FACE OF CURB.
2. ALL PAVEMENT MARKINGS TO BE EPOXY RESIN.

HANDICAP PARKING STALLS @ 90°
NOT TO SCALE



NOTE:
5/16" x 2-1/2" GALVANIZED BOLTS & WASHERS

STEEL SPECIFICATION - A.S.T.M. DESIGNATION A499-64 ZINC (HOT GALVANIZED) SPECIFIED BY-A.S.T.M. A 123.

WT./FT.	3.00 #
Mom. Ix-x	0.484in^4
Sec Mod x-x	0.569in^3
Mon Iy-y	0.886in^4
Sec Mod y-y	0.506in^3

PARKING SIGNS SHALL BE SET AT AN ANGLE OF NOT LESS THAN 30° NOR MORE THAN 45° IN A LINE PARALLEL TO THE FLOW OF TRAFFIC.

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.

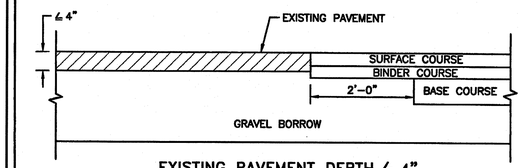
ACCESSIBLE SIGN MOUNTING
NOT TO SCALE

LEGEND	DESIGNATION	SIZE
STOP	R1-1	(30" x 30")
YIELD	R1-2	(30" x 30" x 30")
RIGHT LANE MUST TURN RIGHT	R3-7R	(30" x 30")
LEFT LANE MUST TURN LEFT	R3-7L	(30" x 30")
	R4-7	(24" x 30")
ONE WAY	R6-1R	(36" x 12")
	R6-5P	(30" x 30")
KEEP LEFT RIGHT	R9-7	(12" x 18")
	S1-1	(36" x 36")
	W16-7P	(24" x 12")
ELUR AREA CONTACT ADMINISTRATOR BEFORE EXCAVATION RIGL 42-35-4.2	ELUR	(9" x 11")

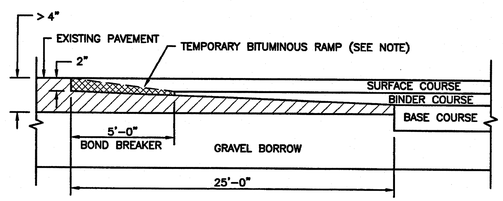
LEGEND	DESIGNATION	SIZE
ELECTRIC VEHICLE PARKING AND CHARGING STATION ONLY	EVCS	(12" x 18")
NO SMOKING R.I.G.L. 23-20.10-3(b) VIOLATORS SUBJECT TO FINE UP TO $500	NO SMOKING	(24" x 36")
CARPOOL VANPOOL LOW EMITTING FUEL EFFICIENT VEHICLES ONLY	CARPOOL(RIGHT)	(12" x 18")
CARPOOL VANPOOL LOW EMITTING FUEL EFFICIENT VEHICLES ONLY	CARPOOL(LEFT)	(12" x 18")
CARPOOL VANPOOL LOW EMITTING FUEL EFFICIENT VEHICLES ONLY	CARPOOL (RIGHT/LEFT)	(12" x 18")
RESERVED	RESERVED	(12" x 18")
BUS STOP PARKING ONLY R.I.G.L. 31-20-5.1	RIPTA BUS STOP	(12" x 18")
NO PARKING BUS STOP	R7-107R	(12" x 18")
NO PARKING BUS STOP	R7-107L	(12" x 18")
NO IDLING	NO IDLING	(12" x 18")

NOTE:
1. SIGNS SHALL BE CONSTRUCTED OF TYPE III REFLECTORIZED SHEETING AND IN ACCORDANCE WITH MUTCD REQUIREMENTS, LATEST REVISION.
2. THE CONTRACTOR SHALL SUBMIT SAMPLE SIGNS TO THE OWNER FOR APPROVAL PRIOR TO FURNISHING.
3. LETTERS, COLOR, AND FONT FOR NON-STANDARD SIGNS SHALL BE SELECTED BY THE OWNER.
4. ALL SIGN MOUNTING SHALL CONFORM TO R.I. STD. DETAIL 24.6.0 EXCEPT R7-8 AND R7-8A. R7-8 AND R7-8A SHALL CONFORM TO ACCESSIBLE SIGN MOUNTING DETAIL.
5. ELUR SIGN SHALL HAVE UV-STABLE INK. BLACK PRINT ON A WHITE BACKGROUND. MINIMUM 2-INCH LETTERING.

SIGN SCHEDULE



EXISTING PAVEMENT DEPTH ≤ 4"



EXISTING PAVEMENT DEPTH > 4"

NOTE:
A BOND BREAKER (TAPERED OR EQUIVALENT) WILL BE PLACED 5'-0" FROM THE JOINT AND COVERED WITH THE BINDER COURSE AS THE TEMPORARY RAMP. PRIOR TO PLACING THE SURFACE COURSE, THE BINDER COURSE AND BOND BREAKER WILL BE REMOVED.

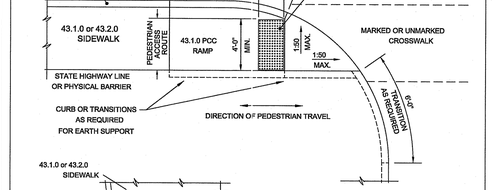
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		
NO.	BY	DATE

TRANSVERSE PAVEMENT CUT AND MATCH

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 47.1.1



NOTES
1. DETECTABLE WARNING PANEL SHALL BE IN ACCORDANCE WITH SECTION 942 OF THE RHODE ISLAND STANDARD SPECIFICATIONS; PANEL TO MATCH RAMP WIDTH.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		
NO.	BY	DATE
1	MLP	Mar 2006
2	MLP	Sep 2012

DETECTABLE WARNING PANEL PLACEMENT

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 48.1.0

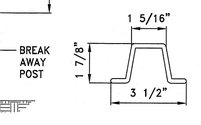
NOTES:
1. FOR ALL LOCATIONS WITHIN THE PROPERTY LIMITS, DETECTABLE WARNING PAVERS SHALL BE INSTALLED. PLASTIC PANEL WILL NOT BE ACCEPTED.
2. FOR ALL LOCATIONS WITHIN THE STATE RIGHT OF WAY, CAST IRON DETECTABLE WARNING PANELS SHALL BE INSTALLED.

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL
EAST PROVIDENCE, RHODE ISLAND



REVISIONS:

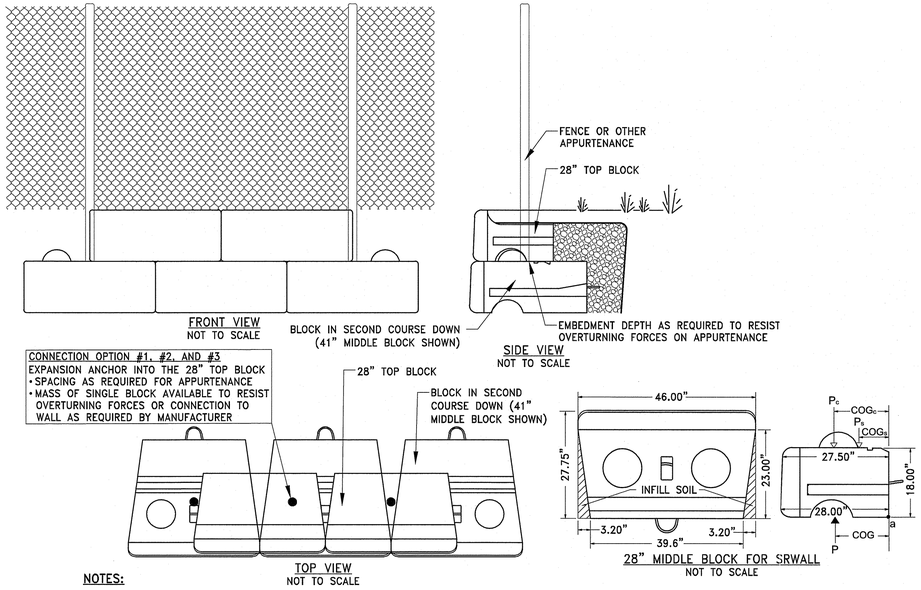
1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	NOT TO SCALE
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
DETAILS 4

DRAWING NO.: C7.4

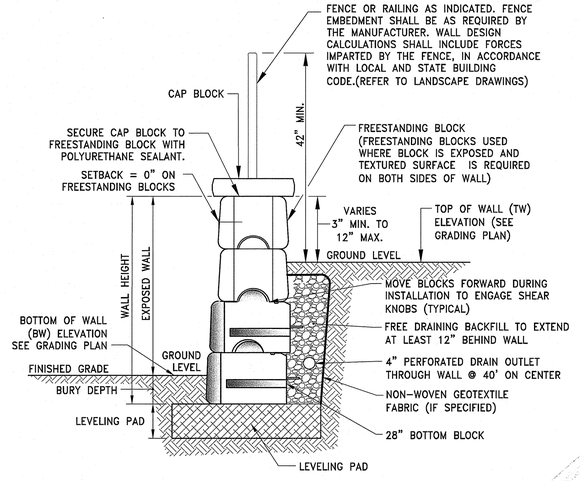
SHEET NO. 45 OF 65



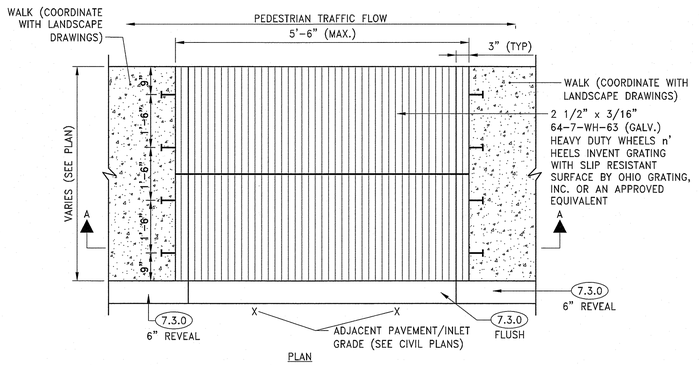
NOTES:

1. RETAINING WALLS SHALL BE REDI-ROCK, OR STRONG STONE, RE-CON RETAINING WALL SYSTEMS, INC., SERIES 50, NORTH SHORE GRANITE TEXTURE OR APPROVED EQUIVALENT. SEE SPECIFICATIONS FOR WALL DESIGN REQUIREMENTS.
2. THESE DETAILS ARE FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS COMPLETED AND STAMPED BY A RHODE ISLAND REGISTERED STRUCTURAL ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION. SHOP DRAWINGS SHALL INCLUDE ALL DETAILS AND INFORMATION NECESSARY FOR CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE THE WALL DESIGN ENGINEER ALL APPURTENANT INFORMATION FOR THEIR DESIGN AND CALCULATIONS.

SRW **SEGMENTAL RETAINING WALL DETAILS**
NOT TO SCALE

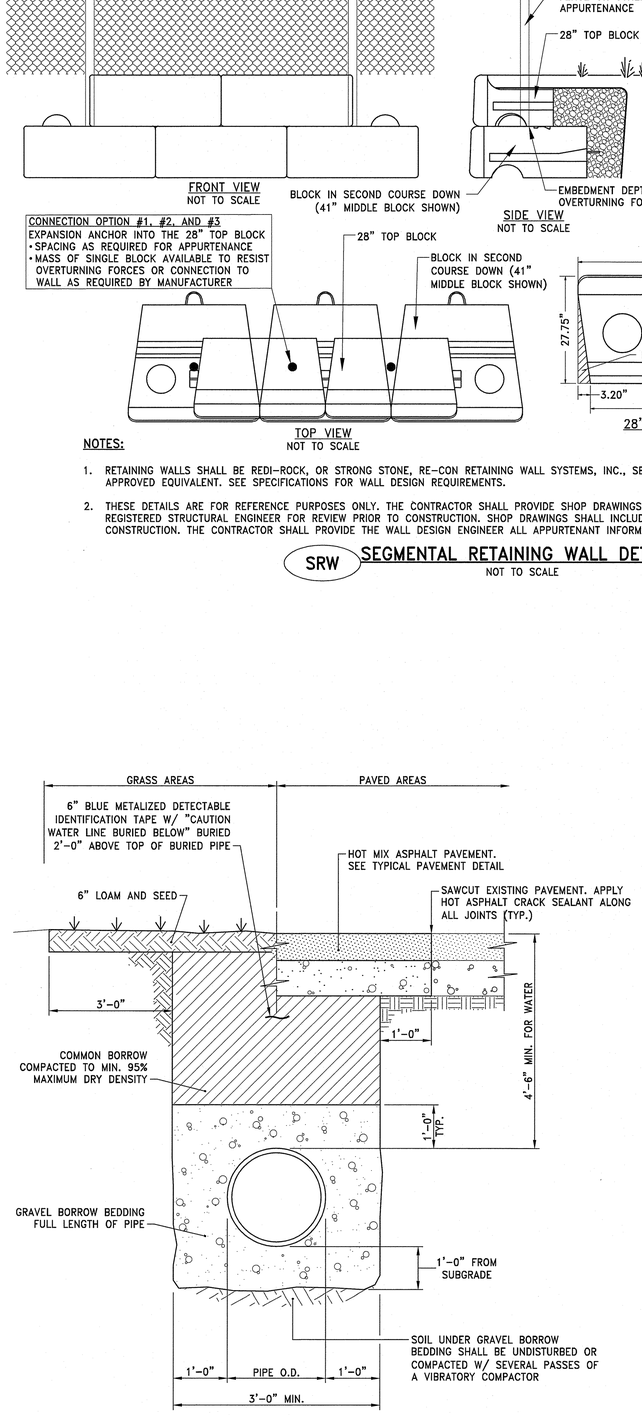


SRW **TYPICAL SECTION-SEGMENTAL RETAINING WALL**
MODULAR CONCRETE UNIT
NOT TO SCALE

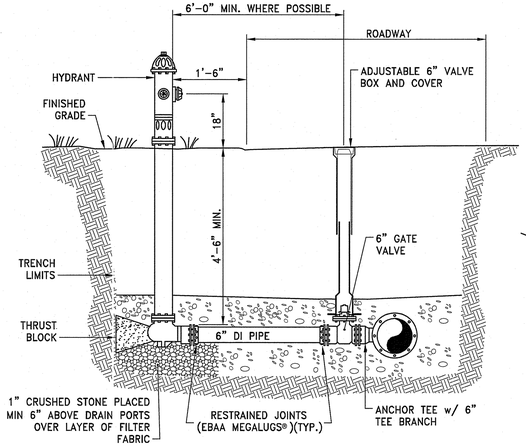


NOTE:
PROVIDE SUBMITTAL DEPICTING GRATE, CONCRETE WALK, SUPPORTS, AND OTHER INFORMATION FOR REVIEW BY OWNER'S REPRESENTATIVE

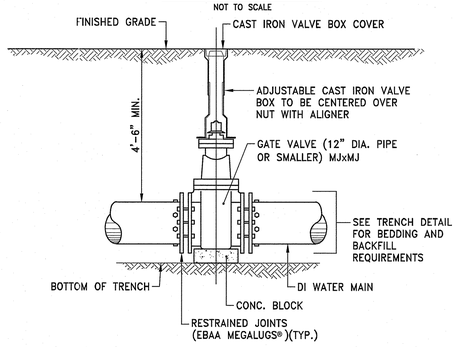
SIDEWALK GRATE
NOT TO SCALE



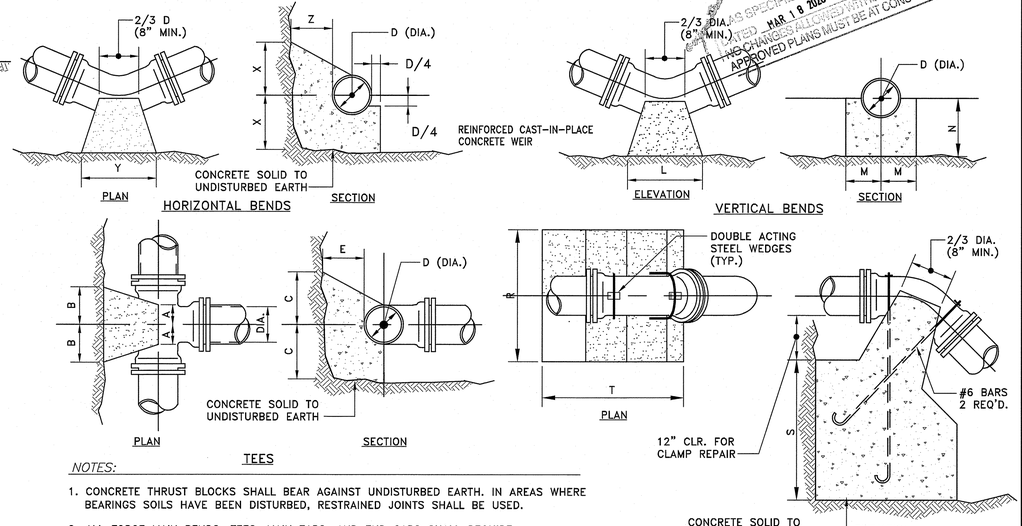
WATER MAIN TRENCH DETAIL
NOT TO SCALE



HYDRANT DETAIL
NOT TO SCALE



VALVE BOX DETAIL
NOT TO SCALE



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		PIPE SIZE-D (DIA.)				
		6"	8"	12"	16"	20"
	A	8"	10"	1'-0"	1'-3"	1'-6"
	B	8"	10"	1'-2"	1'-4"	1'-8"
	C	10"	1'-0"	1'-3"	1'-6"	1'-8"
	E	8"	10"	1'-2"	1'-6"	1'-10"

HORIZONTAL BENDS		PIPE SIZE-D (DIA.)				
BEND		6"	8"	12"	16"	20"
1/8	X	1'-0"	1'-0"	1'-0"	1'-3"	1'-6"
	Y	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"
	Z	8"	10"	1'-2"	1'-4"	1'-6"
1/16	X	1'-0"	1'-0"	1'-0"	1'-3"	1'-6"
	Y	1'-0"	1'-4"	1'-6"	1'-9"	2'-6"
	Z	8"	10"	1'-2"	1'-4"	1'-6"
1/32	X	1'-0"	1'-0"	1'-0"	1'-2"	1'-4"
	Y	1'-0"	1'-0"	1'-2"	1'-4"	1'-6"
	Z	8"	10"	1'-2"	1'-4"	1'-6"

VERTICAL BENDS		PIPE SIZE-D (DIA.)				
BEND		6"	8"	12"	16"	20"
1/8	L	1'-3"	1'-8"	2'-6"	3'-6"	4'-8"
	M	7"	8"	11"	1'-4"	1'-6"
	N	7"	8"	11"	1'-4"	1'-6"
1/16	L	9"	1'-0"	1'-9"	2'-6"	3'-0"
	M	7"	7"	10"	1'-0"	1'-2"
	N	7"	7"	8"	10"	1'-0"
1/32	L	6"	8"	1'-0"	1'-4"	1'-9"
	M	7"	7"	10"	1'-0"	1'-2"
	N	7"	7"	8"	10"	1'-0"

ANCHORAGES		PIPE SIZE-D (DIA.)				
BEND		6"	8"	12"	16"	20"
1/8	R	2'-6"	3'-0"	4'-6"	5'-4"	6'-0"
	S	2'-6"	2'-9"	3'-6"	2'-6"	5'-6"
	T	3'-0"	4'-0"	4'-9"	7'-0"	9'-6"
1/16	R	2'-0"	2'-8"	4'-0"	4'-6"	5'-0"
	S	1'-9"	2'-3"	2'-6"	3'-2"	3'-8"
	T	2'-6"	3'-4"	4'-0"	6'-0"	8'-6"
1/32	R	1'-6"	2'-0"	3'-0"	3'-8"	4'-3"
	S	1'-3"	1'-9"	2'-0"	2'-4"	2'-6"
	T	2'-0"	2'-6"	3'-0"	4'-6"	5'-9"

CONCRETE THRUST BLOCKS
NOT TO SCALE

RECEIVED
FEB 10 2020
COASTAL RESOURCES MGMT. COUNCIL
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
COASTAL RESOURCES MANAGEMENT COUNCIL
PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
MAR 18 2020
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL
EAST PROVIDENCE, RHODE ISLAND

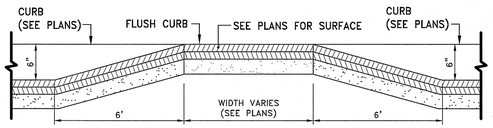
DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER
02.07.20

REVISIONS:		
1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	NOT TO SCALE
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
DETAILS 5

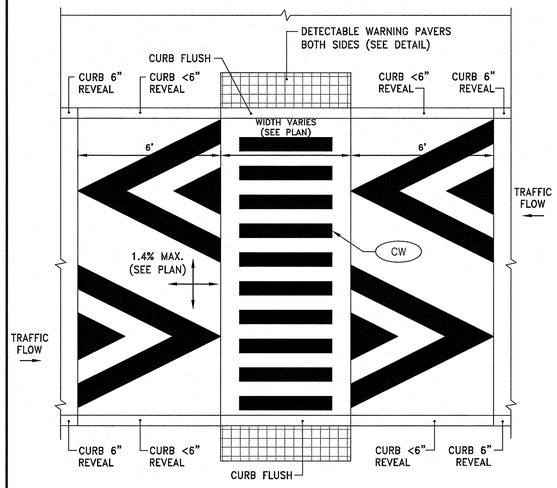
DRAWING NO.: C7.5
SHEET NO. 46 OF 65



NOTE:
SPEED BUMP TO BE PAINTED WITH WHITE EPOXY RESIN PAVEMENT MARKING

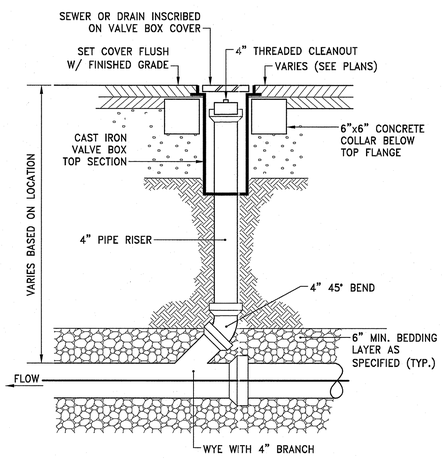
SPEED TABLE SECTION DETAIL

NOT TO SCALE



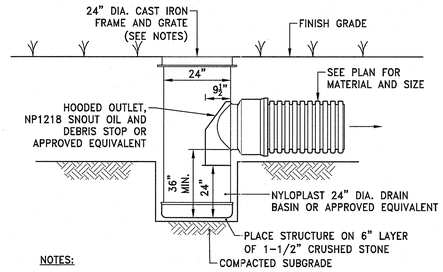
SPEED TABLE PLAN DETAIL

NOT TO SCALE



CLEANOUT DETAIL

NOT TO SCALE

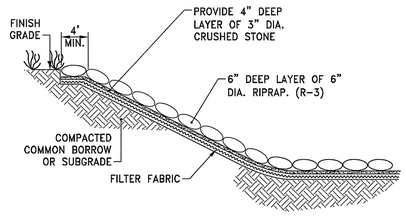


NOTES:

1. AREA DRAIN 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. INSTALL AREA DRAIN, FRAME AND GRATE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
4. PROVIDE HOODED OUTLET ON ALL AREA DRAINS.
5. FRAME AND GRATE SHALL BE CONSTRUCTED OF CAST IRON AND CONFORM TO ASTM A536 GRADE 70-50-05.
6. FRAME AND GRATE PLACED IN PEDESTRIAN PAVEMENT SHALL BE ADA COMPLIANT.

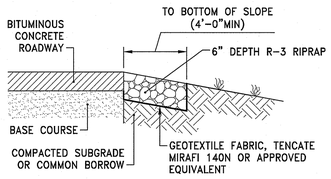
AREA DRAIN DETAIL

NOT TO SCALE



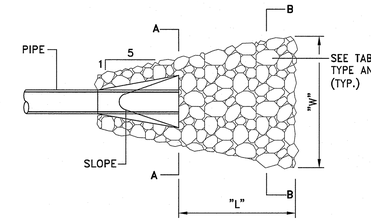
RRS **RIPRAP SLOPE**

NOT TO SCALE

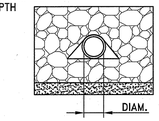


RR **RIPRAP EDGE**

NOT TO SCALE

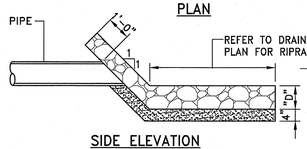


PLAN

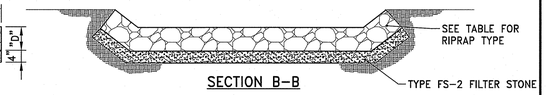


SECTION A-A

FROM STRUCTURE	L	W	D	TYPE
DMH-208	17.5'	22.2'	24"	R-5
CB-131	5'	7.1'	14"	R-3
CB-137	5'	7.1'	14"	R-3
CB-124	5'	7.1'	14"	R-3
CB-139	4'	5.7'	14"	R-3
CB-201	4'	5.7'	14"	R-3
EX-CB	4'	5.7'	14"	R-3



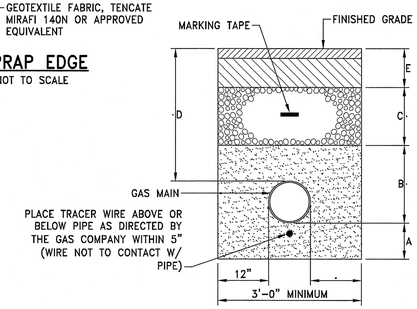
SIDE ELEVATION



SECTION B-B

RLS **RIPRAP LEVEL SPREADER**

NOT TO SCALE

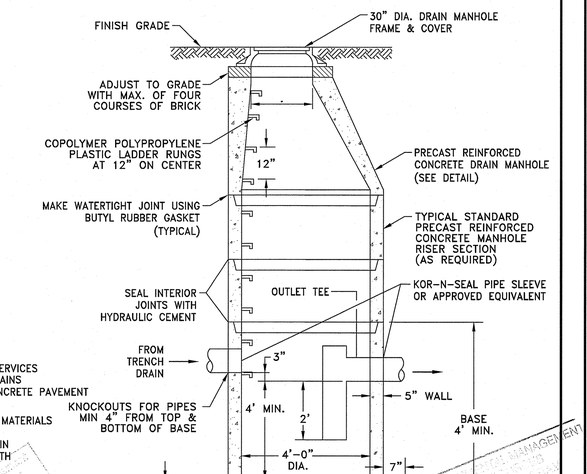


NOTES:

1. THIS DETAIL REPRESENTS A TYPICAL GAS TRENCH DETAIL. FINAL TRENCH MATERIALS AND DIMENSIONS SHALL BE COORDINATED WITH THE GAS COMPANY.
2. CONTRACTOR SHALL FURNISH AND INSTALL GAS SERVICES FOR THE SITE IN ACCORDANCE WITH THE UTILITY COMPANY REQUIREMENTS. COORDINATE WITH NATIONAL GRID PRIOR TO CONSTRUCTION.

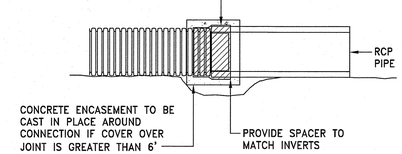
TYPICAL GAS MAIN TRENCH DETAIL

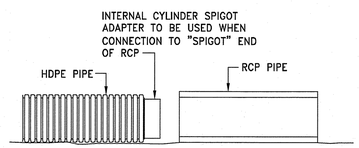
NOT TO SCALE



OWS **PRECAST CONCRETE OIL WATER SEPARATOR**

NOT TO SCALE



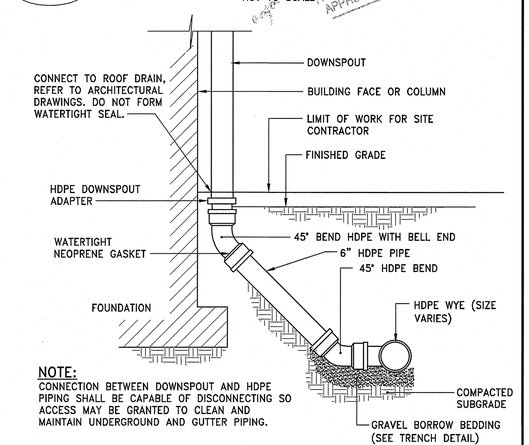


NOTES:

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

HDPE/RCP PIPE JOINT

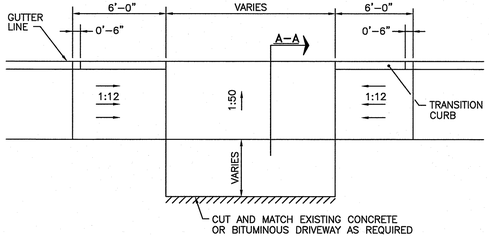
NOT TO SCALE



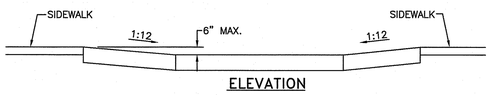
NOTE:
CONNECTION BETWEEN DOWNSPOUT AND HDPE PIPING SHALL BE CAPABLE OF DISCONNECTING SO ACCESS MAY BE GRANTED TO CLEAN AND MAINTAIN UNDERGROUND AND GUTTER PIPING.

DOWNSPOUT ADAPTER DETAIL

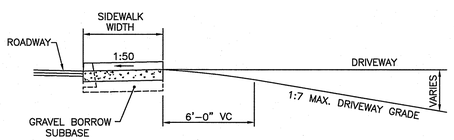
NOT TO SCALE



PLAN



ELEVATION

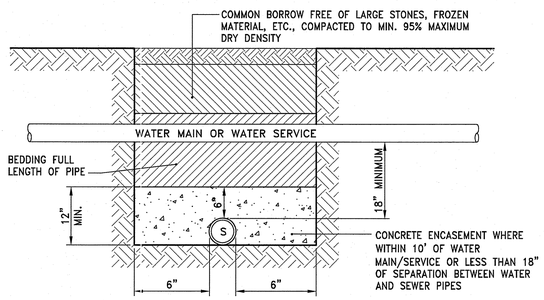


SECTION A-A

NOTE:
SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.

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

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DRIVEWAY DEVELOPMENT FOR
6'-0" TRANSITION CURB

REVISIONS		
NO.	BY	DATE
1	MLP	3/1/05
2	MLP	6/27/08

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 43.4.1

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

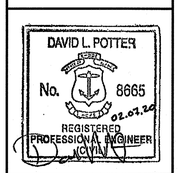
OWNER:
EAST PROVIDENCE
SCHOOL DISTRICT
C/O KATHRYN CROWLEY,
SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

RECEIVED
MAR 19 2020
PLANNING & ZONING
DEPARTMENT
CITY OF EAST PROVIDENCE
APPROVED
SEPTEMBER 27, 2019
CITY OF EAST PROVIDENCE
PLANNING & ZONING
DEPARTMENT
NOTICE OF APPROVAL
MUST BE ON
CONSTRUCTION SITE
MAR 19 2020
A-028



REVISIONS:		
1	2-7-20	RIDEM COMMENTS

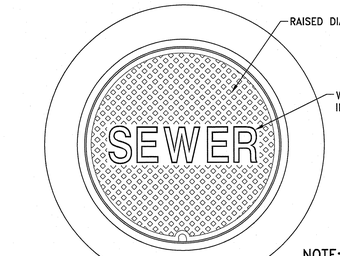
PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	NOT TO SCALE
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:

DETAILS 6

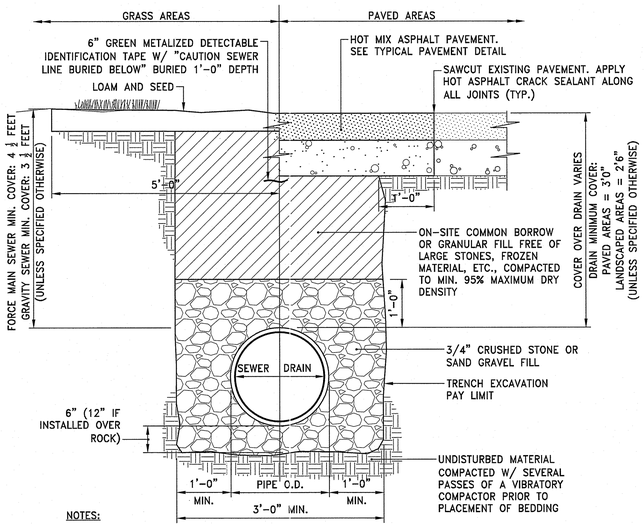
DRAWING NO.: C7.6

SHEET NO. 47 OF 65



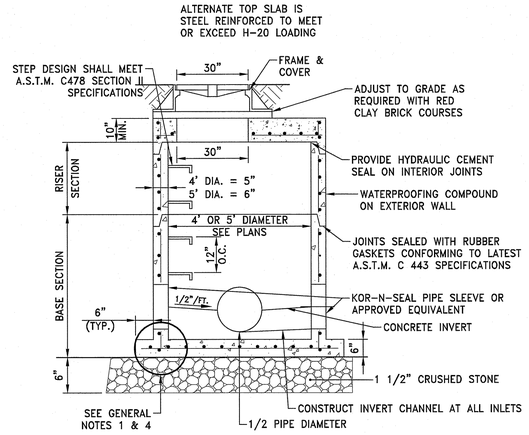
NOTE:
1. NEENAH FOUNDRY, INC. MODEL #R-1557 OR APPROVED EQUIVALENT
2. COVER SHALL MEET H-20 LOADING CRITERIA

SANITARY MANHOLE FRAME & COVER
NOT TO SCALE



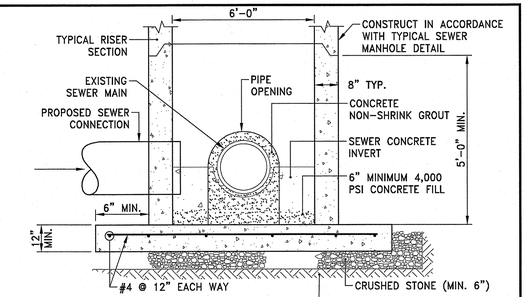
NOTES:
1. WHERE THE DISTANCE BETWEEN THE SAWCUT AND EDGE OF PAVEMENT IS 3' OR LESS, THE CONTRACTOR SHALL REPLACE THE PAVEMENT FROM THE TRENCH EDGE TO THE EXISTING EDGE OF PAVEMENT.
2. 3/4" DIA. CRUSHED STONE SHALL BE USED AS BEDDING WHERE TRENCH IS BELOW THE GROUND WATER TABLE.

SEWER/DRAIN TRENCH DETAIL
NOT TO SCALE

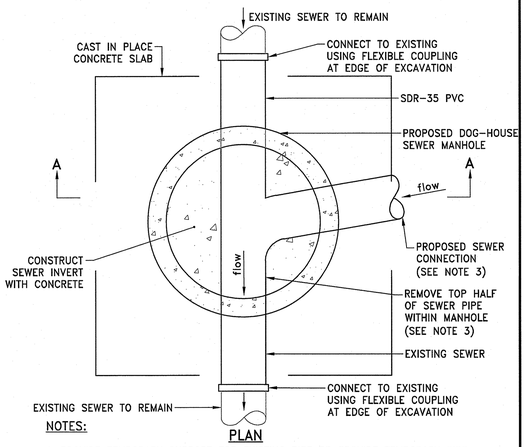


GENERAL NOTES:
1. REINFORCING STEEL CONFORMS TO LATEST A.S.T.M. A 185 SPEC. 0.12 SQ. IN/LINEAL FT. AND 0.12 SQ. IN. (BOTH WAYS) BASE BOTTOM.
2. CONC. MINIMUM COMPRESSIVE STRENGTH = 4000 PSI TYPE III CEMENT.
3. MANHOLE DESIGN SPECIFICATIONS CONFORM TO LATEST A.S.T.M. C 478 SPEC. FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS".
4. ONE POUR MONOLITHIC BASE SECTION.
5. MANHOLE SHALL MEET H-20 LOADING CRITERIA.
6. IF OPENINGS MUST BE CAST LESS THAN 8" FROM JOINT OR THROUGH JOINT, SHOP DWGS WILL BE REQUIRED

TYPICAL SEWER MANHOLE DETAIL
NOT TO SCALE



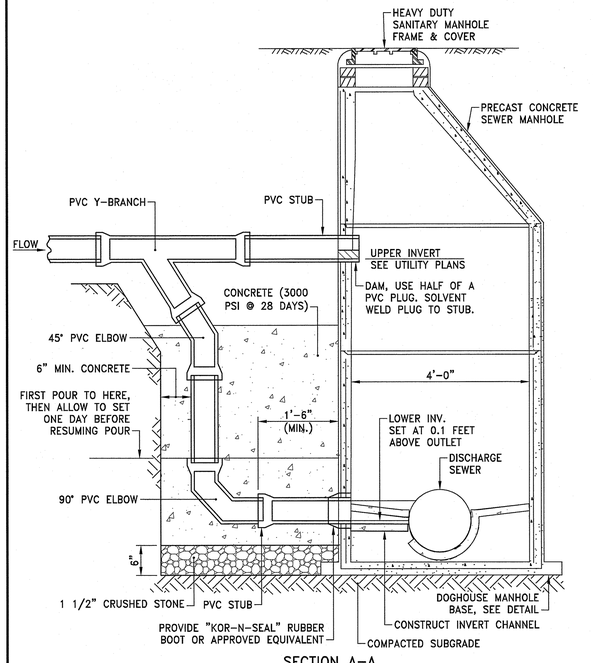
SECTION A-A



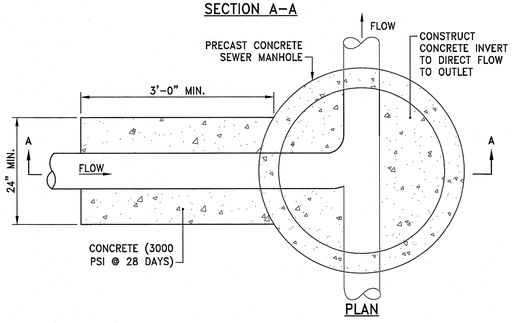
PLAN

NOTES:
1. PROVIDE TEMPORARY SUPPORT FOR EXISTING PIPE OR PROVIDE TEMPORARY PIPE.
2. SEE DRAINAGE PLANS FOR GEOMETRY OF PIPE ENTRANCES TO MANHOLE.
3. CONSTRUCT DOGHOUSE MANHOLE OVER EXISTING PIPE. LEAVE EXISTING SEWER PIPE INTACT.

DOG-HOUSE MANHOLE BASE
NOT TO SCALE

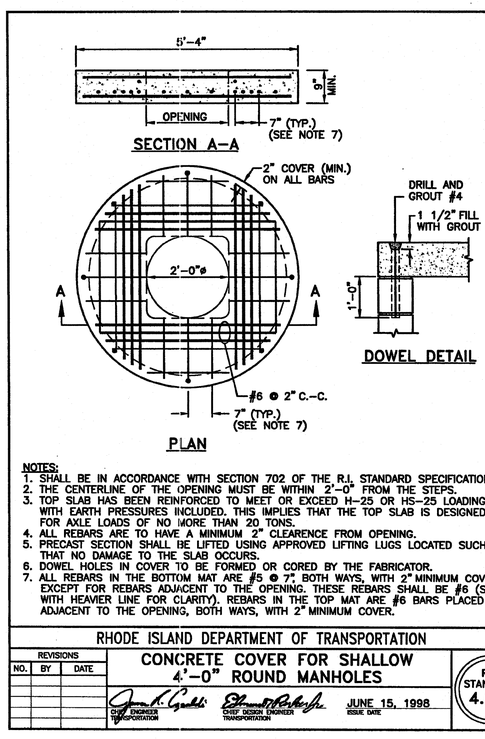


SECTION A-A



PLAN

OUTSIDE DROP MANHOLE DETAIL
NOT TO SCALE



NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. THE CENTERLINE OF THE OPENING MUST BE WITHIN 2'-0" FROM THE STEPS.
3. TOP SLAB HAS BEEN REINFORCED TO MEET OR EXCEED H-25 OR HS-25 LOADINGS WITH EARTH PRESSURES INCLUDED. THIS IMPLIES THAT THE TOP SLAB IS DESIGNED FOR AXLE LOADS OF NO MORE THAN 20 TONS.
4. ALL REBARS ARE TO HAVE A MINIMUM 2" CLEARENCE FROM OPENING.
5. PRECAST SECTION SHALL BE LIFTED USING APPROVED LIFTING LUGS LOCATED SUCH THAT NO DAMAGE TO THE SLAB OCCURS.
6. DOWEL HOLES IN COVER TO BE FORMED OR CORED BY THE FABRICATOR.
7. ALL REBARS IN THE BOTTOM MAT ARE #5 @ 7" BOTH WAYS, WITH 2" MINIMUM COVER, EXCEPT FOR REBARS ADJACENT TO THE OPENING. THESE REBARS SHALL BE #6 (SHOWN WITH HEAVIER LINE FOR CLARITY). REBARS IN THE TOP MAT ARE #6 BARS PLACED ADJACENT TO THE OPENING, BOTH WAYS, WITH 2" MINIMUM COVER.

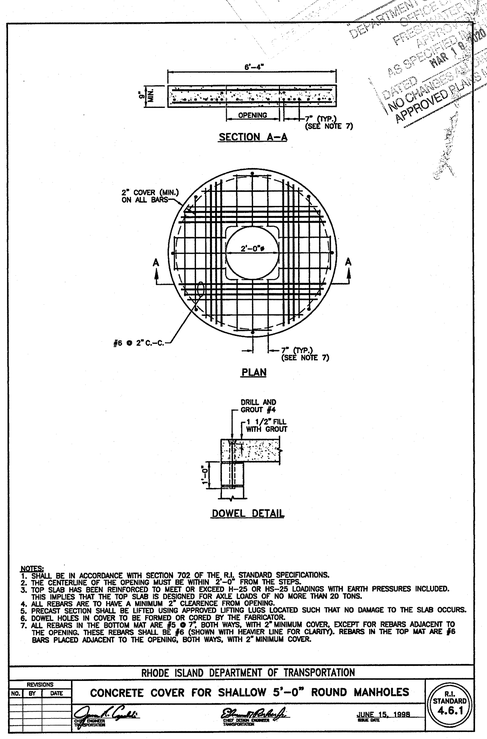
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS NO.	BY	DATE

CONCRETE COVER FOR SHALLOW 4'-0" ROUND MANHOLES

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 4.6.0



NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. THE CENTERLINE OF THE OPENING MUST BE WITHIN 2'-0" FROM THE STEPS.
3. TOP SLAB HAS BEEN REINFORCED TO MEET OR EXCEED H-25 OR HS-25 LOADINGS WITH EARTH PRESSURES INCLUDED. THIS IMPLIES THAT THE TOP SLAB IS DESIGNED FOR AXLE LOADS OF NO MORE THAN 20 TONS.
4. ALL REBARS ARE TO HAVE A MINIMUM 2" CLEARENCE FROM OPENING.
5. PRECAST SECTION SHALL BE LIFTED USING APPROVED LIFTING LUGS LOCATED SUCH THAT NO DAMAGE TO THE SLAB OCCURS.
6. DOWEL HOLES IN COVER TO BE FORMED OR CORED BY THE FABRICATOR.
7. ALL REBARS IN THE BOTTOM MAT ARE #5 @ 7" BOTH WAYS, WITH 2" MINIMUM COVER, EXCEPT FOR REBARS ADJACENT TO THE OPENING. THESE REBARS SHALL BE #6 (SHOWN WITH HEAVIER LINE FOR CLARITY). REBARS IN THE TOP MAT ARE #6 BARS PLACED ADJACENT TO THE OPENING, BOTH WAYS, WITH 2" MINIMUM COVER.

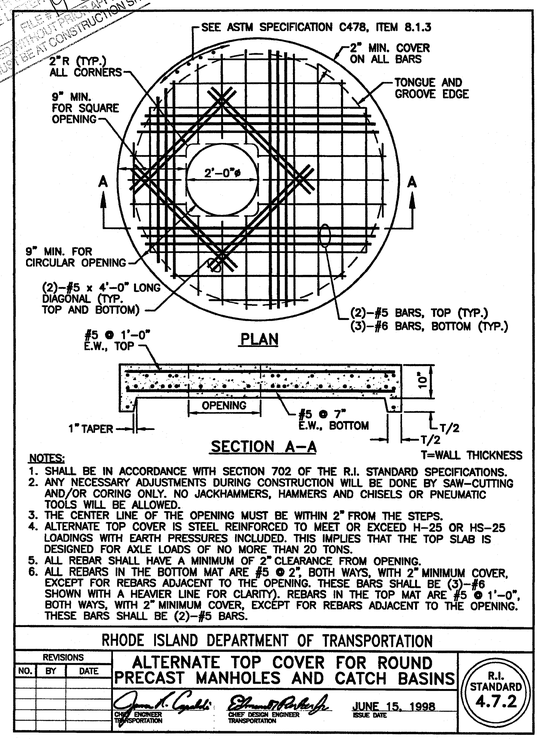
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS NO.	BY	DATE

CONCRETE COVER FOR SHALLOW 5'-0" ROUND MANHOLES

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 4.6.1



NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
3. THE CENTER LINE OF THE OPENING MUST BE WITHIN 2" FROM THE STEPS.
4. ALTERNATE TOP COVER IS STEEL REINFORCED TO MEET OR EXCEED H-25 OR HS-25 LOADINGS WITH EARTH PRESSURES INCLUDED. THIS IMPLIES THAT THE TOP SLAB IS DESIGNED FOR AXLE LOADS OF NO MORE THAN 20 TONS.
5. ALL REBAR SHALL HAVE A MINIMUM OF 2" CLEARANCE FROM OPENING.
6. ALL REBARS IN THE BOTTOM MAT ARE #5 @ 2", BOTH WAYS, WITH 2" MINIMUM COVER, EXCEPT FOR REBARS ADJACENT TO THE OPENING. THESE BARS SHALL BE (3)-#6 SHOWN WITH A HEAVIER LINE FOR CLARITY). REBARS IN THE TOP MAT ARE #5 @ 1'-0", BOTH WAYS, WITH 2" MINIMUM COVER, EXCEPT FOR REBARS ADJACENT TO THE OPENING. THESE BARS SHALL BE (2)-#5 BARS.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS NO.	BY	DATE

ALTERNATE TOP COVER FOR ROUND PRECAST MANHOLES AND CATCH BASINS

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 4.7.2

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
FEB 10 2020
AS SPECIFIED IN APPLICATION
DATED MAR 1 6
NO CHANGES OR DEVIATIONS FROM
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
FILE NO. A-0378
APPROVAL
APPROVAL

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL
EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
02-07-20
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

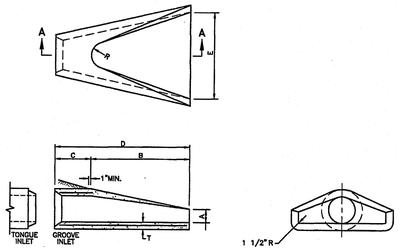
1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	NOT TO SCALE
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
DETAILS 7

DRAWING NO.:
C7.7

SHEET NO. 48 OF 65



SECTION A–A

END ELEVATION

DIMENSIONS								REINFORCEMENT
DIA.	A	B	C	D	E	R	T	ONE LAYER REINFORCEMENT IN CENTER OF WALL
								MIN. AREA OF EACH WAY (SQ. IN./FT.)
1'–0"	4"	2'–0"	4'–0 7/8"	6'–0 7/8"	2'–0"	9"	2"	0.048
1'–3"	6"	2'–3"	3'–10"	5'–1"	2'–6"	11"	2 1/4"	0.054
1'–6"	9"	2'–3"	3'–10"	6'–1"	3'–0"	12"	2 1/2"	0.060
2'–0"	9 1/2"	3'–7 1/2"	2'–6"	6'–1 1/2"	4'–0"	1'–2"	3"	0.072
2'–6"	1'–0"	4'–8"	1'–7 3/4"	6'–1 3/4"	5'–0"	1'–3"	3 1/2"	0.084
3'–0"	1'–3"	5'–3"	2'–10 3/4"	6'–1 3/4"	6'–0"	1'–8"	4"	0.096
3'–6"	1'–9"	5'–3"	2'–11"	8'–2"	6'–6"	1'–10"	4 1/2"	0.108
4'–0"	2'–0"	6'–0"	2'–2"	8'–2"	7'–0"	1'–10"	5"	0.120
4'–6"	2'–3"	5'–3"	2'–11"	8'–4"	7'–6"	2'–0"	5 1/2"	0.132
5'–0"	2'–6"	5'–0"	3'–3"	8'–3"	8'–0"	2'–0"	6"	0.144

NOTE:
SHALL BE IN ACCORDANCE WITH SECTION 701 OF THE R.I. STANDARD SPECIFICATIONS.

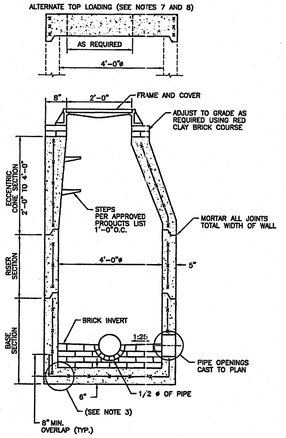
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS: NO. | BY | DATE

PRECAST CONCRETE FLARED END SECTION

JUNE 15, 1998 (ISSUE DATE)

R.I. STANDARD 2.3.0



NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED = 0.12 SQ. IN. / LIN. FT. MINIMUM.
3. STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQ. IN/LIN. FT. (BOTH WAYS).
4. ONE POUR MONOLITHIC BASE SECTION.
5. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW–CUTTING 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.

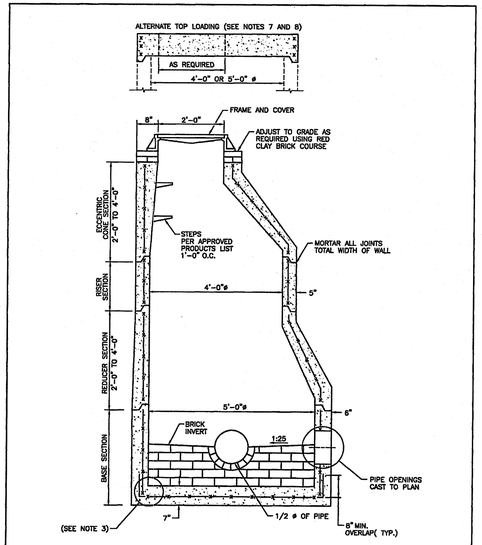
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS: NO. | BY | DATE

PRECAST 4'–0" ROUND MANHOLE

JUNE 15, 1998 (ISSUE DATE)

R.I. STANDARD 4.2.0



NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED = 0.15 SQ. IN./LIN. FT. MINIMUM.
3. STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQ. IN./LIN. FT. (BOTH WAYS).
4. ONE POUR MONOLITHIC BASE SECTION.
5. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW–CUTTING 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. 4.7.0).
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.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS: NO. | BY | DATE

PRECAST 5'–0" ROUND MANHOLE

JUNE 15, 1998 (ISSUE DATE)

R.I. STANDARD 4.2.1

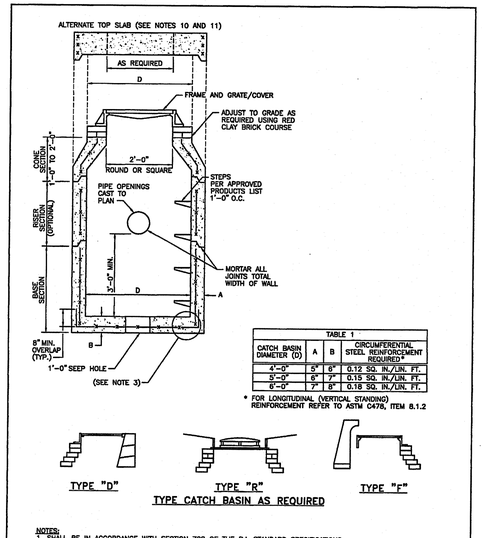


TABLE 1			
CATCH BASIN DIAMETER (D)	A	B	CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED*
4'–0"	5"	6"	0.12 SQ. IN./LIN. FT.
5'–0"	6"	7"	0.15 SQ. IN./LIN. FT.
6'–0"	7"	8"	0.18 SQ. IN./LIN. FT.

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

TYPE CATCH BASIN AS REQUIRED

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 SQ. IN./LIN. FT. (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 SAW–CUTTING 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.

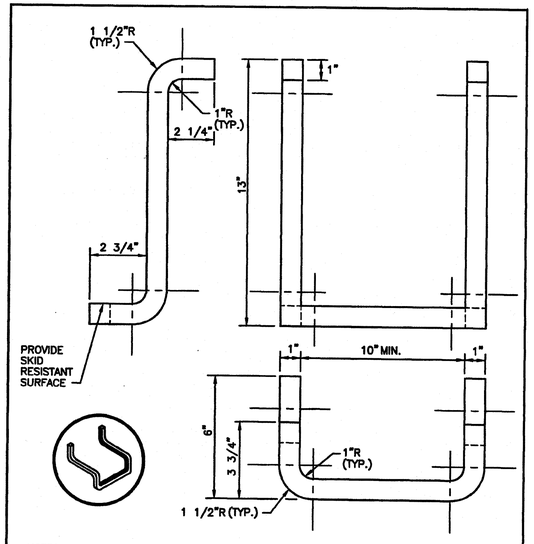
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS: NO. | BY | DATE

PRECAST 4'–0", 5'–0", OR 6'–0" ROUND CATCH BASIN

JUNE 15, 1998 (ISSUE DATE)

R.I. STANDARD 4.4.0



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" DIAMETER.

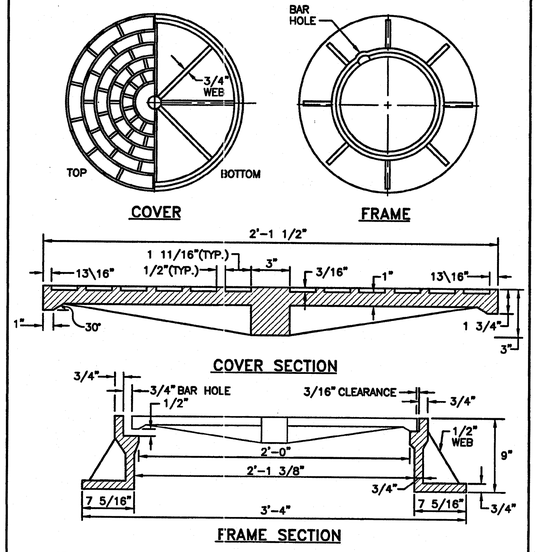
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS: NO. | BY | DATE

CATCH BASIN AND MANHOLE STEP

JUNE 15, 1998 (ISSUE DATE)

R.I. STANDARD 5.3.0



NOTES:
1. FRAME AND GRATE SHALL CONFORM TO SECTION M.04 OF THE R.I. STANDARD SPECIFICATIONS.
2. FRAME AND COVER SEATS MUST HAVE MACHINE FINISH.

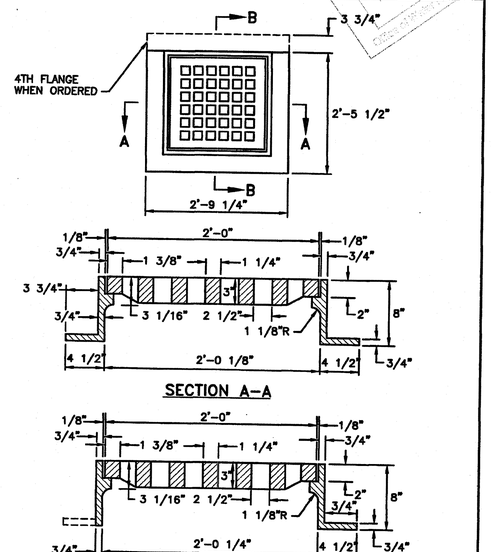
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS: NO. | BY | DATE

HEAVY–DUTY ROUND FRAME AND COVER

JUNE 15, 1998 (ISSUE DATE)

R.I. STANDARD 6.2.1



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

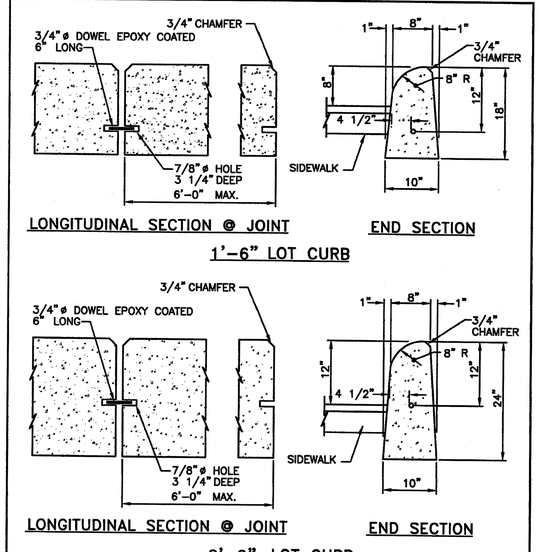
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS: NO. | BY | DATE

SQUARE FRAME AND GRATE

JUNE 15, 1998 (ISSUE DATE)

R.I. STANDARD 6.3.0



NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. 1/8" JOINTS DOWELED WITH A 3/4"ø DOWEL 6" LONG.
3. TOP AND EXPOSED SURFACES TO H+ 2" TO HAVE A SPONGE FLOAT FINISH.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS: NO. | BY | DATE

PRECAST CONCRETE LOT CURB

JUNE 15, 1998 (ISSUE DATE)

R.I. STANDARD 7.2.3

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

RECEIVED
MAR 18 2020
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
WETLANDS PROGRAM
19-0295
NO CHANGES MAY BE MADE TO THESE PLANS WITHOUT WRITTEN APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER
02.07.20

REVISIONS:

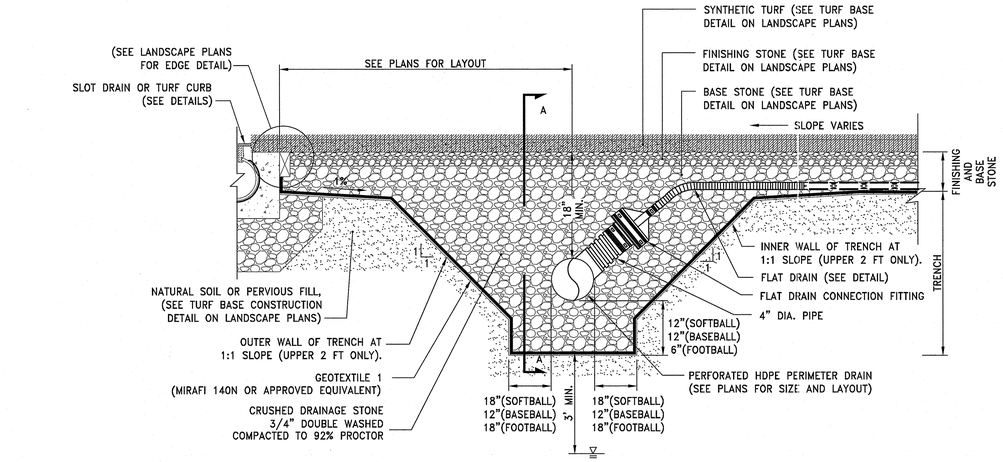
1	2-7-20	RIDEM COMMENTS	

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	NOT TO SCALE
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
DETAILS 8

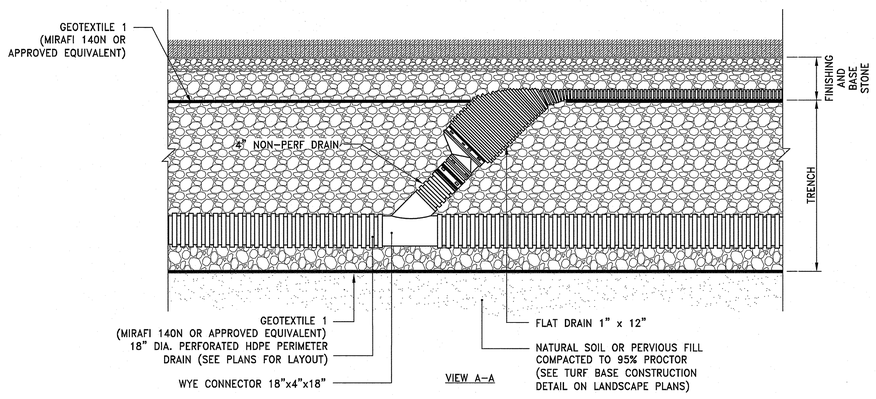
DRAWING NO.:
C7.8

SHEET NO. 49 OF 65



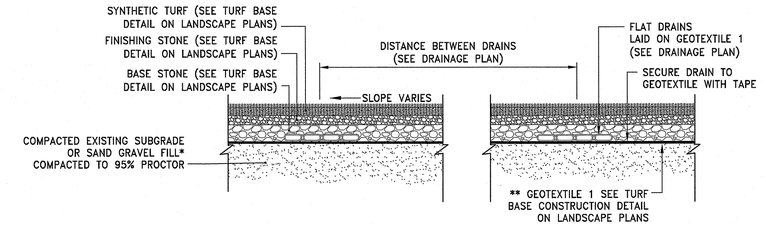
SYNTHETIC TURF PERIMETER MANIFOLD DETAIL

NOT TO SCALE



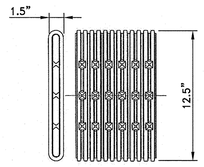
CONNECTION BETWEEN FLAT DRAIN & PERIMETER OR COLLECTOR DRAIN

NOT TO SCALE



FLAT DRAINS UNDER SYNTHETIC TURF FIELD

NOT TO SCALE



SLOT LENGTH (AVG), IN.= 1.125
SLOT WIDTH (AVG), IN.= 0.125
WATER INLET AREA (APPROX), IN.^{2}/FT = 20

Fabric Properties	Test Method	Minimum Average Roll Values
Grab Tensile Strength (lbs.) (weakest principle direction)	ASTM D4632	120
Grab Elongation (%) (weakest principle direction)	ASTM D4633	60
Trapezoidal Tear (lbs.) (weakest principle direction)	ASTM D4533	40
Puncture (lbs.)	ASTM D3786	30
Permittivity (sec^{-1})	ASTM D4491	0.7
AOS (U.S. Sieve Size)	ASTM D4751	60
U.V. Resistance	ASTM D4355	70

NOTES:
1. DRAIN SHALL HAVE ANNULAR INTERIOR AND EXTERIOR CORRUGATIONS AND SHALL MEET ASTM D7001.
2. OUTSIDE DIMENSIONS SHALL BE 1.5" THICK BY 12.5" WIDE. SHALL HAVE INTERNAL BRACING ADJOINING EACH LONG WALL TO PREVENT CRUSHING UNDER TYPICAL LOADING.
3. ALL PIPE AND FITTINGS SHALL BE MADE OF POLYETHYLENE WITH A MINIMUM CELL CLASSIFICATION OF 424420C AS DEFINED AND DESCRIBED IN ASTM D3350.
4. DRAIN SHALL BE WRAPPED AS REQUIRED IN GEOTEXTILE FABRIC PER MANUFACTURER'S RECOMMENDATIONS.

FLAT DRAIN

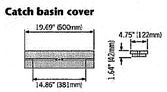
NOT TO SCALE

	Part No	Length in (mm)	Overall Depth in (mm)	Weight lbs
System 3080 Channels				
Straight	05657	39.37 (1000)	5.7 (146)	43.0
Radius	05658	39.37 (1000)	5.7 (146)	43.0
In-line Catch Basin				
Catch basin	05625	21.8 (552)	20.8 (528)	54.5
Polymer concrete cover	05661	19.69 (500)	1.64 (42)	9.0
Plastic trash bucket	01498	17.6 (448)		1.1
Safety Edge System - Black TPE rubber				
SE Channel - straight	05663	39.37 (1000)	5.7 (146)	43.0
SE In-line catch basin	05664	21.8 (552)	20.8 (528)	54.5

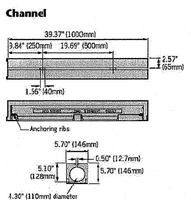
Catch basin flow rates

Outlet	Outlet Size	Invert Depth	GPM	CFS
A	6" round	15.05"	500	1.11

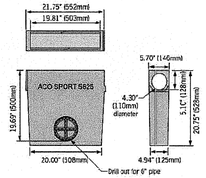
Catch basin cover



Channel

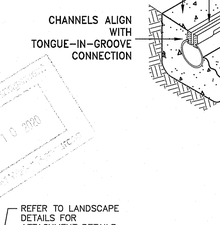


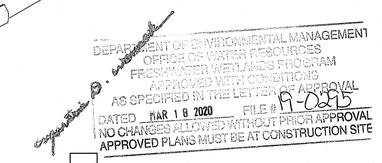
Catch basin

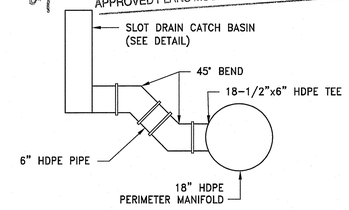


SLOT DRAIN AND SLOT DRAIN CATCH BASIN

NOT TO SCALE

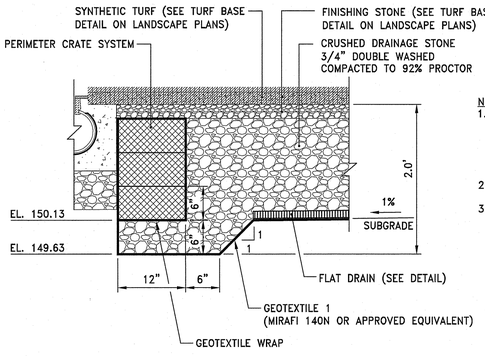






ATHLETIC FIELD SLOT DRAIN CONNECTION TO PERIMETER MANIFOLD

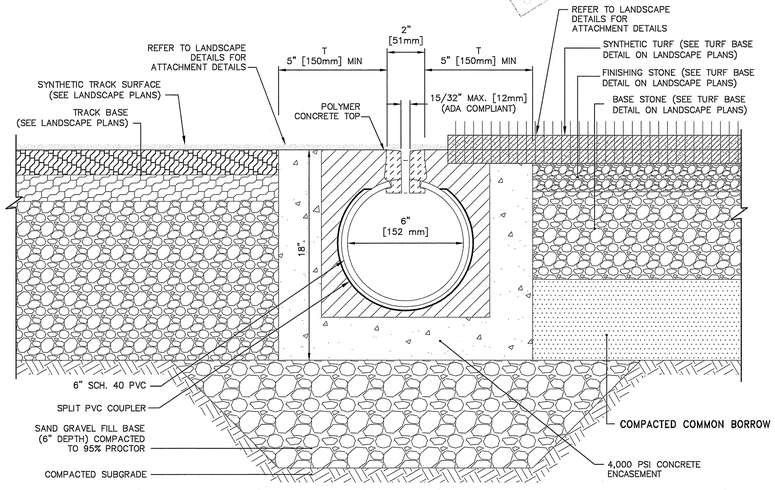
NOT TO SCALE



NOTES:
1. CRATE STORAGE SHALL BE PERMAVOID INITS OR APPROVED EQUIVALENT. UNITS MUST BE INTERLOCKING AND PINNED TOGETHER TO MOVE AS ONE PLANE AND DISTRIBUTE LOADS. PRODUCTS THAT DO NOT MEET THIS REQUIREMENT WILL NOT BE ACCEPTED.
2. CRATE STORAGE SHALL BE INSTALLED AT A SLOPE OF 0.0%.
3. CRATE SYSTEM INSTALLATION, INCLUDING BACK, BEDDING, COVER, GEOTEXTILE WRAPPING, OUTLET, ETC. SHALL BE PER THE MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL PROVIDE SITE SPECIFIC SHOP DRAWINGS INDICATING INSTALLATION DETAILS FOR REVIEW BY THE ENGINEER .

SYNTHETIC TURF PERIMETER CRATE SYSTEM AT SOUTH SIDE OF SOFTBALL FIELD

NOT TO SCALE



ATHLETIC FIELD SLOT DRAIN INSTALLATION

NOT TO SCALE

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
03.07.20

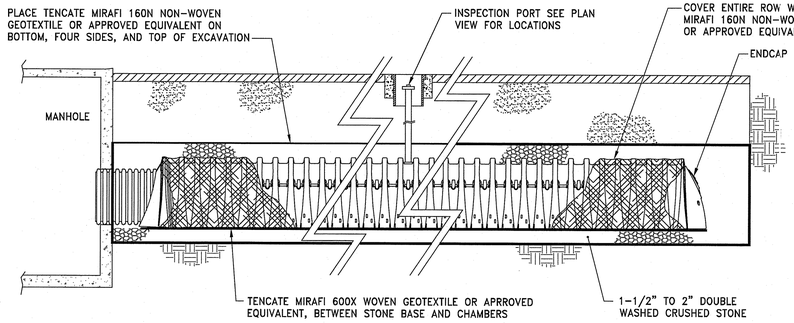
REVISIONS:

1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	NOT TO SCALE
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
DETAILS 9

DRAWING NO.:
C7.9
SHEET NO. 50 OF 65

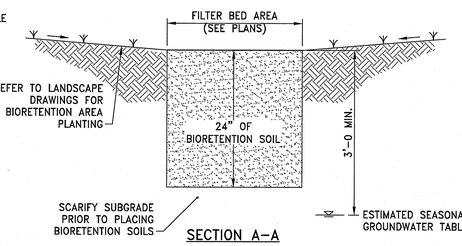


NOTES:

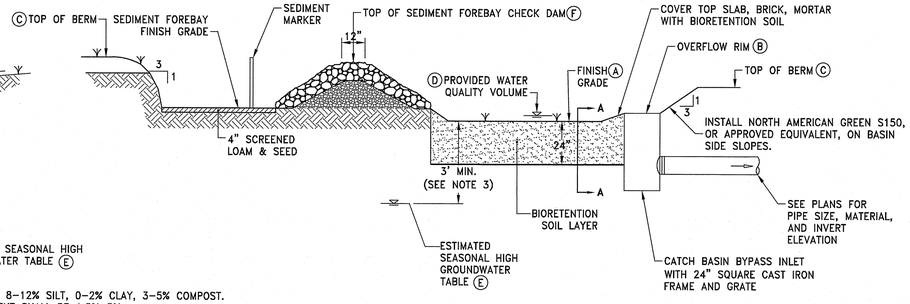
1. PRETREATMENT ROW CONSTRUCTION IS THE SAME AS OTHER ROWS WITH THE EXCEPTION OF THE WOVEN AND NON-WOVEN GEOTEXTILES BEING PLACED BENEATH AND AROUND THE ROW RESPECTIVELY.

PRETREATMENT ROW DETAIL

NOT TO SCALE



SECTION A-A



BIORETENTION SOIL: 85-88% SAND, 8-12% SILT, 0-2% CLAY, 3-5% COMPOST. ORGANIC CONTENT SHALL BE 1.5%-3%.

BIORETENTION VEGETATION: REFER TO LANDSCAPE DRAWINGS

NOTES:

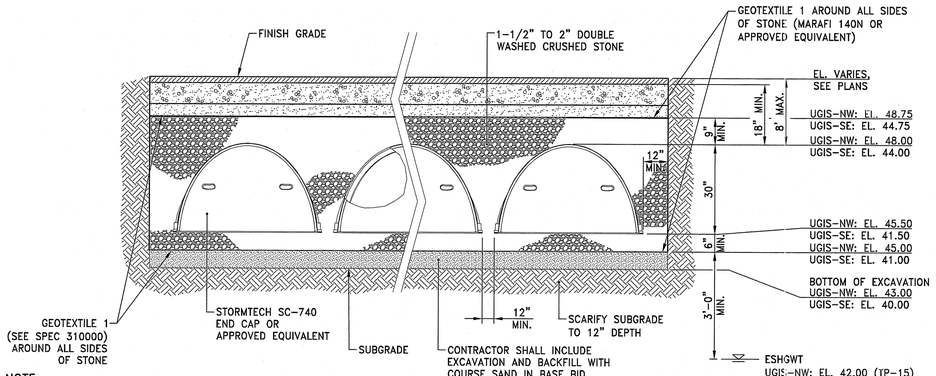
1. CATCH BASINS SHALL BE RIDOT STANDARD 4.4.0.
2. ESHGWT WAS DETERMINED FROM TEST PIT DATA PERFORMED ON FEBRUARY 4, 2019 THROUGH FEBRUARY 6, 2019.
3. HARDWOOD MULCH LAYER OMITTED TO ACCOMMODATE VEGETATIVE SEED APPLICATION.

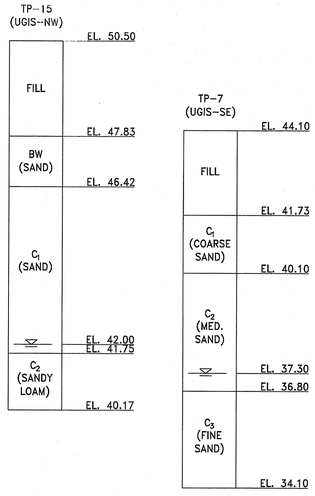
	BIORETENTION AREA-X							
	A	B	C	D	E	F	G	H
(A)	50.00	49.00	47.00	48.00	45.00	45.30	46.30	44.20
(B)	51.00	50.00	47.75	49.00	45.75	46.75	47.30	45.37
(C)	52.00	51.00	48.00	50.00	47.00	47.80	47.80	46.50
(D)	51.00	50.00	47.75	49.00	45.75	46.75	47.30	45.37
(E)	46.08	41.95	41.95	42.00	41.60	41.90	41.15	37.25
(F)	50.80	49.80	47.55*	48.80	45.75	46.65	47.10	45.17

*VERTICAL GRANITE CURB OVERFLOW

BIORETENTION DETAIL

NOT TO SCALE





NOTE:

CONTRACTOR SHALL CONTACT ENGINEER 48 HOURS BEFORE EXCAVATING TO SUBGRADE. CONTRACTOR SHALL NOT PLACE STONE UNTIL SUBGRADE HAS BEEN REVIEWED BY ENGINEER. IF REQUIRED, CONTRACTOR SHALL EXCAVATE TO BOTTOM OF EXCAVATION ELEVATION AND REPLACE WITH COURSE SAND AT NO ADDITIONAL COST TO THE OWNER.

UNDERGROUND INFILTRATION SYSTEM TYPICAL CROSS SECTIONS

NOT TO SCALE

SFCD

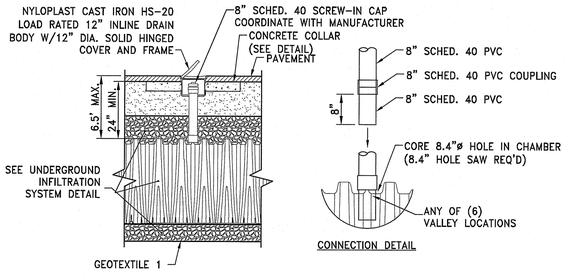
SEDIMENT FOREBAY CHECK DAM

NOT TO SCALE

SM

SEDIMENT MARKER DETAIL

NOT TO SCALE

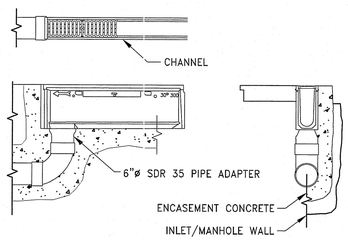


NOTES:

1. ALL PVC FITTINGS ARE TO BE SOLVENT CEMENTED.
2. SEE MANUFACTURER'S RECOMMENDATIONS FOR FURTHER DETAIL.

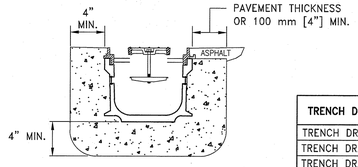
UNDERGROUND INFILTRATION SYSTEM INSPECTION PORT DETAIL

NOT TO SCALE



STANDARD INSTALLATION DETAIL

6" WIDE CHANNEL



PRE-SLOPED TRENCH DRAIN TYPICAL INSTALLATION

TRENCH DRAIN	DESIGN FLOW CAPACITY
TRENCH DRAIN 1	0.15 CFS
TRENCH DRAIN 2	2.64 CFS
TRENCH DRAIN 3	0.38 CFS
TRENCH DRAIN 4	2.65 CFS
TRENCH DRAIN 5	0.30 CFS
TRENCH DRAIN 6	0.19 CFS

NOTES:

1. REFER TO TABLE FOR HYDRAULIC FLOW RATES REQUIRED FOR EACH TRENCH DRAIN. CONTRACTOR SHALL PROVIDE DOCUMENTATION SHOWING THAT THE TRENCH DRAIN GRATE, CHANNEL, AND OUTLET(S) ARE CAPABLE OF CONVEYING THE DESIGN FLOW RATE.
2. CONTRACTOR SHALL PROVIDE SHOP DRAWING OF PROPOSED TRENCH DRAIN LAYOUT.
3. TRENCH DRAIN SHALL HAVE MINIMUM SLOPE OF 0.6%.
4. ACCEPTABLE PRODUCTS FOR TRENCH DRAINS 1-4 INCLUDE "SYSTEM 4000" BY ACO, "SERIES 800" BY MULTIDRAIN, OR APPROVED EQUIVALENT.
5. ACCEPTABLE PRODUCTS FOR TRENCH DRAINS 5-6 INCLUDE FLOWDRAIN BY ACO OR APPROVED EQUIVALENT.
6. TRENCH DRAIN AND GRATE SHALL BE RATED TO WITHSTAND H-20 LOADING.
7. TRENCH DRAIN GRATES FOR TRENCH DRAINS 1-4 SHALL MEET ADA REQUIREMENTS.
8. TRENCH DRAIN GRATES FOR TRENCH DRAINS 5-6 SHALL BE BOLTED.
9. CONCRETE EMBEDMENT SHALL BE THE EXTENTS RECOMMENDED BY THE MANUFACTURER. CONTRACTOR SHALL SUBMIT THE INSTALLATION DETAIL FOR REVIEW.

TRENCH DRAIN DETAILS

NOT TO SCALE

RECEIVED
FEB 10 2020
COASTAL RESOURCES MANAGEMENT COUNCIL

RECEIVED
MAR 18 2020
19-0295
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

PARE
PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
LINCOLN, RI 02865
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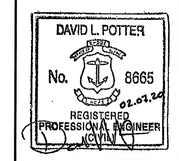
SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND



REVISIONS:

1	2-7-20	RIDEM COMMENTS

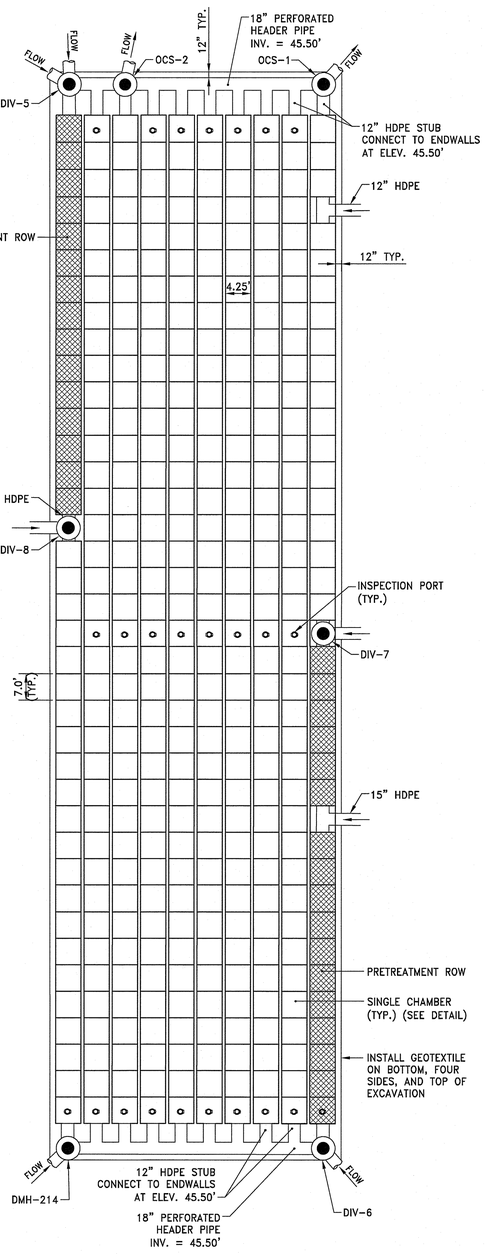
PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	NOT TO SCALE
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:

DETAILS 10

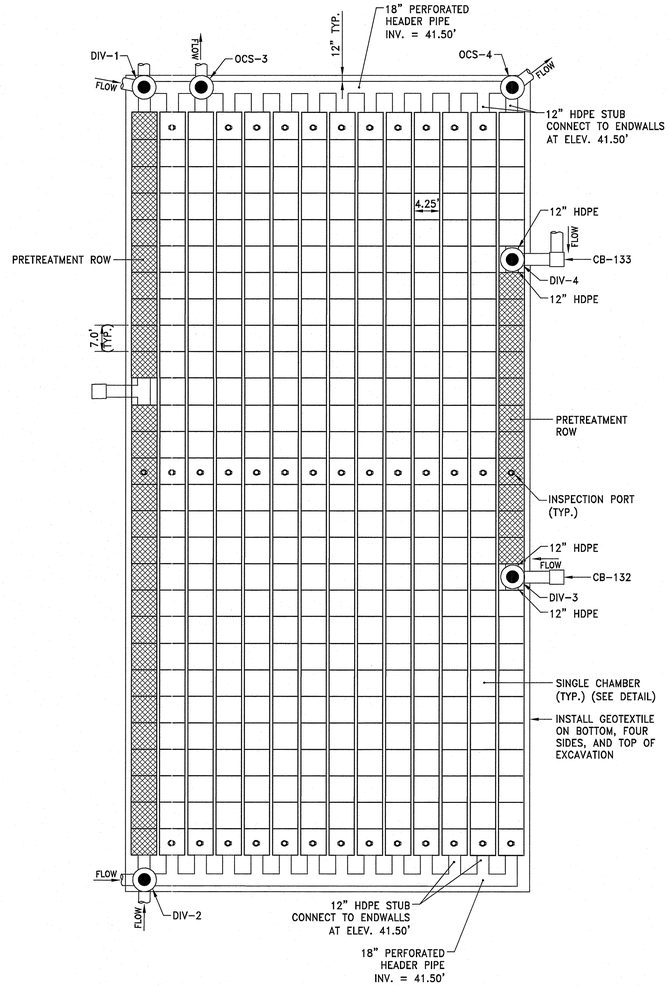
DRAWING NO.: C7.10

SHEET NO. 51 OF 65



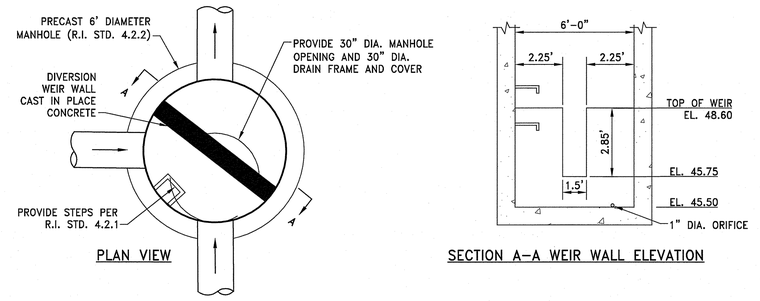
UNDERGROUND INFILTRATION SYSTEM (UGIS-NW) PLAN VIEW

NOT TO SCALE



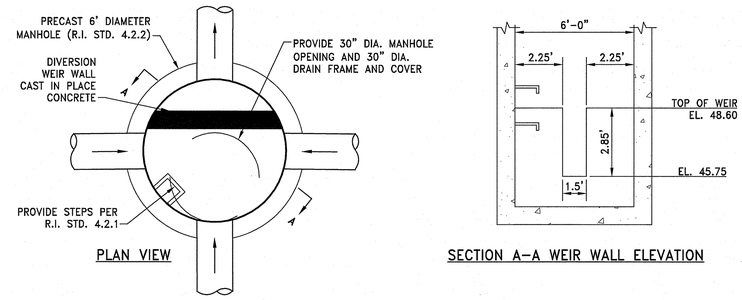
UNDERGROUND INFILTRATION SYSTEM (UGIS-SE) PLAN VIEW

NOT TO SCALE



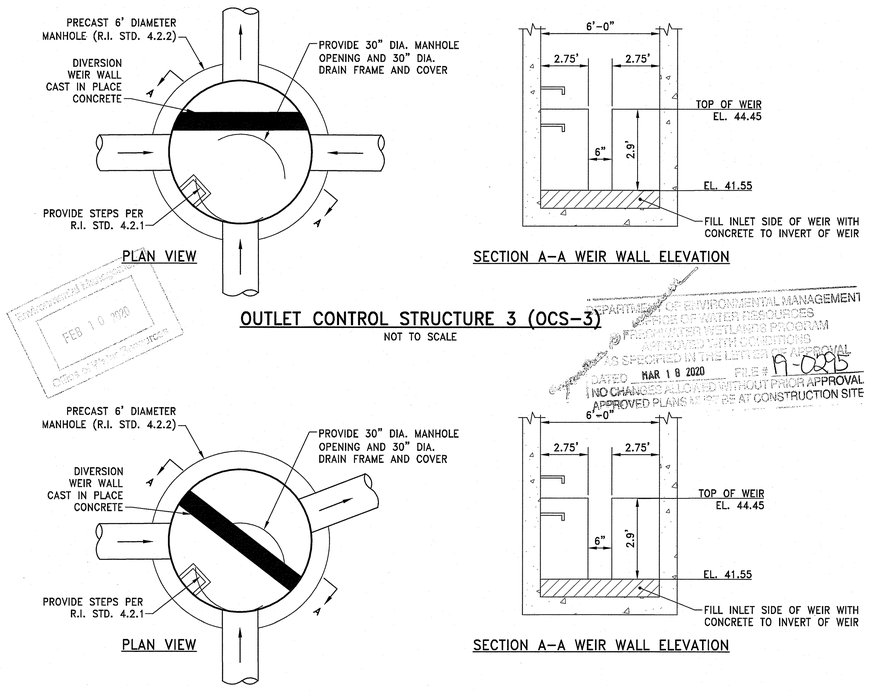
OUTLET CONTROL STRUCTURE 1 (OCS-1)

NOT TO SCALE



OUTLET CONTROL STRUCTURE 2 (OCS-2)

NOT TO SCALE



OUTLET CONTROL STRUCTURE 3 (OCS-3)

NOT TO SCALE

OUTLET CONTROL STRUCTURE 4 (OCS-4)

NOT TO SCALE

FEB 10 2020
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
PROVIDENCE WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 19 2020 FILE # 19-0285
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
02.07.20
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	NOT TO SCALE
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

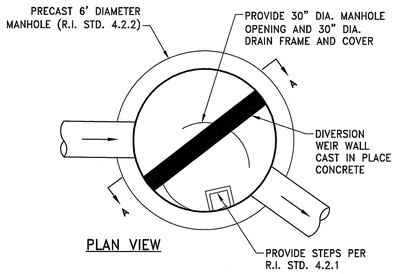
DRAWING TITLE:

DETAILS 11

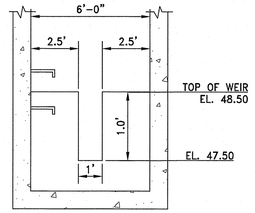
DRAWING NO.:

C7.11

SHEET NO. 52 OF 65



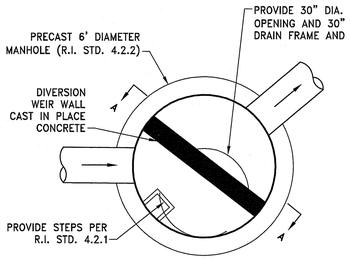
PLAN VIEW



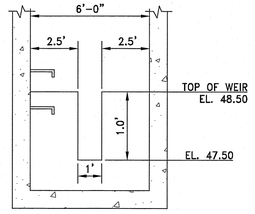
SECTION A–A WEIR WALL ELEVATION

OUTLET CONTROL STRUCTURE 5 (OCS–5)

NOT TO SCALE



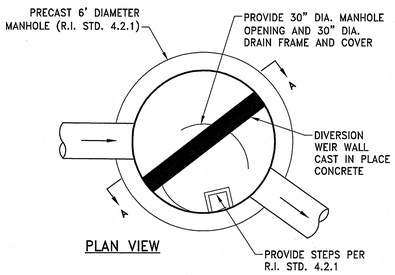
PLAN VIEW



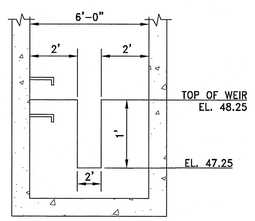
SECTION A–A WEIR WALL ELEVATION

OUTLET CONTROL STRUCTURE 6 (OCS–6)

NOT TO SCALE



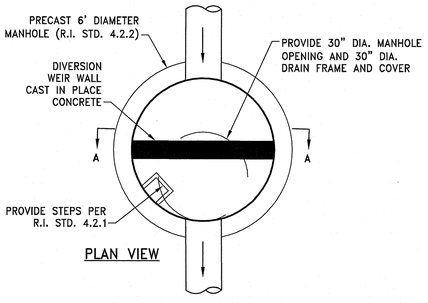
PLAN VIEW



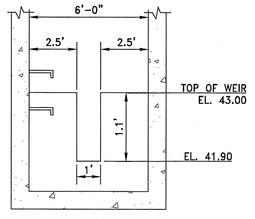
SECTION A–A WEIR WALL ELEVATION

OUTLET CONTROL STRUCTURE 7 (OCS–7)

NOT TO SCALE



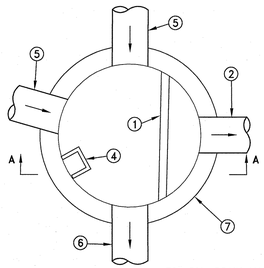
PLAN VIEW

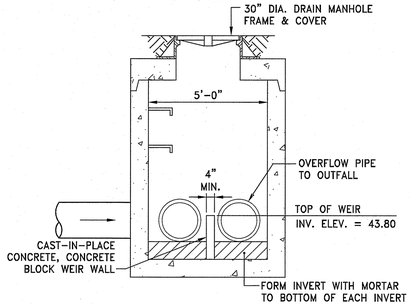


SECTION A–A WEIR WALL ELEVATION

OUTLET CONTROL STRUCTURE 8 (OCS–8)

NOT TO SCALE

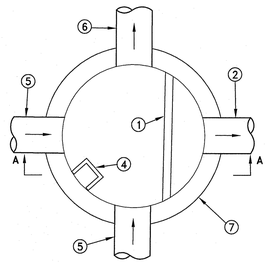


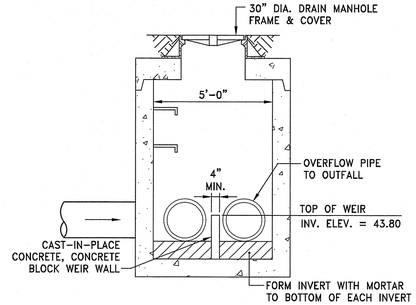


SECTION A–A DIVERSION WEIR WALL ELEVATION

DIVERSION MANHOLE 1 (DIV–1)

NOT TO SCALE

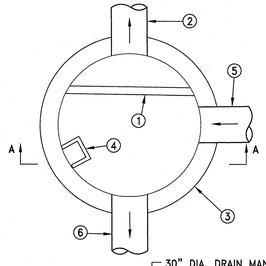


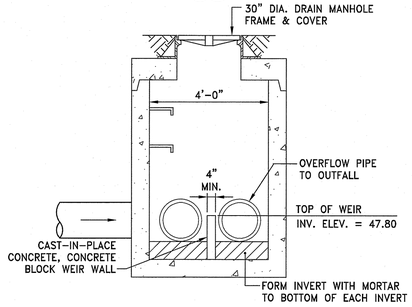


SECTION A–A DIVERSION WEIR WALL ELEVATION

DIVERSION MANHOLE 2 (DIV–2)

NOT TO SCALE

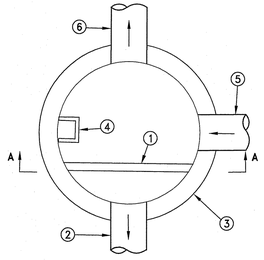


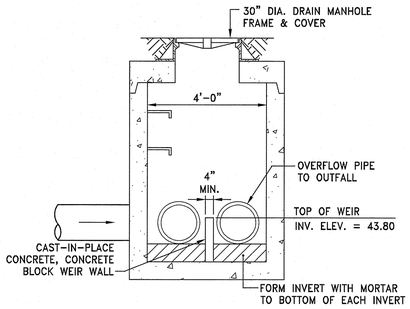


SECTION A–A DIVERSION WEIR WALL ELEVATION

DIVERSION MANHOLE 7 (DIV–7)

NOT TO SCALE

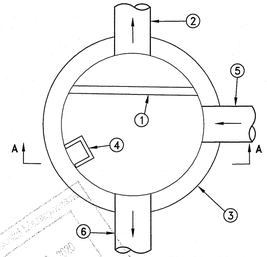


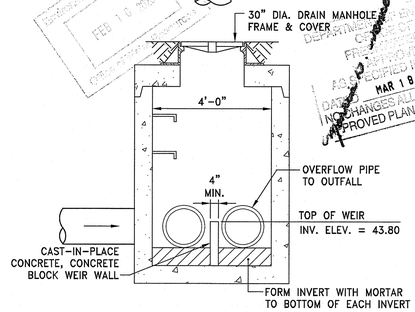


SECTION A–A DIVERSION WEIR WALL ELEVATION

DIVERSION MANHOLE 3 (DIV–3)

NOT TO SCALE

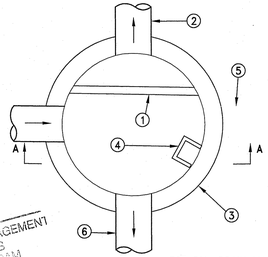


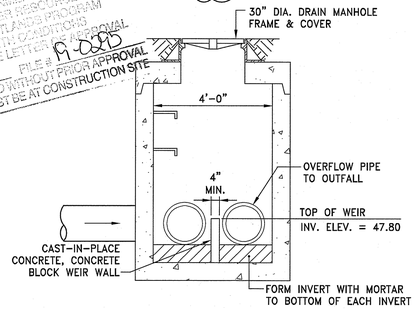


SECTION A–A DIVERSION WEIR WALL ELEVATION

DIVERSION MANHOLE 4 (DIV–4)

NOT TO SCALE





SECTION A–A DIVERSION WEIR WALL ELEVATION

DIVERSION MANHOLE 8 (DIV–8)

NOT TO SCALE

TYPICAL NOTES LEGEND

1. CAST IN PLACE CONCRETE DIVERSION WEIR WALL (4" WIDE)
2. OVERFLOW PIPE TO UNDERGROUND INFILTRATION SYSTEM
3. PRECAST 4' DIAMETER MANHOLE (RIDOT STANDARD 4.2.0)
4. PROVIDE STEPS PER RIDOT STANDARD 4.2.1
5. PIPE IN
6. HDPE PIPE TO PRETREATMENT ROW
7. PRECAST CONCRETE 5' DIAMETER MANHOLE (RIDOT STANDARD 4.2.1)

FEB 10 2020
RECEIVED
RIDEM
OFFICE OF WATER RESOURCES
RIPDES PERMITTING PROGRAM
RECEIVED
MAR 18 2020
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
RIPDES PERMITTING PROGRAM
FINAL APPROVAL
AS DESCRIBED IN THE LETTER OF APPROVAL
DATED MAR 18 2020
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
RI-0235

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
02.07.20
REGISTERED PROFESSIONAL ENGINEER
(CIVIL)

REVISIONS:

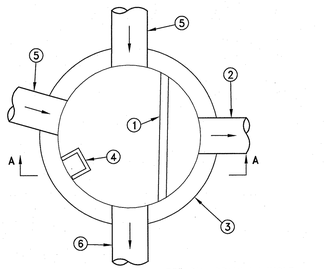
1	2-7-20	RIDEM COMMENTS

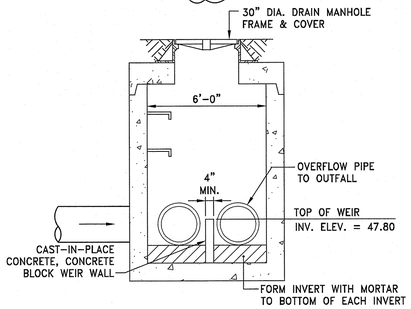
PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	NOT TO SCALE
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
DETAILS 12

DRAWING NO.:
C7.12

SHEET NO. 53 OF 65

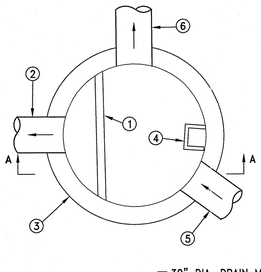


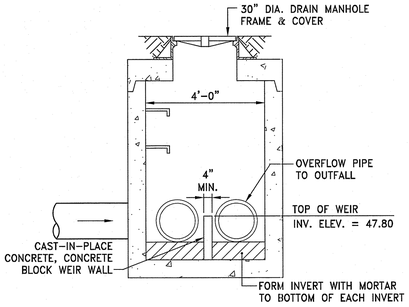


SECTION A–A DIVERSION WEIR WALL ELEVATION

DIVERSION MANHOLE 5 (DIV–5)

NOT TO SCALE

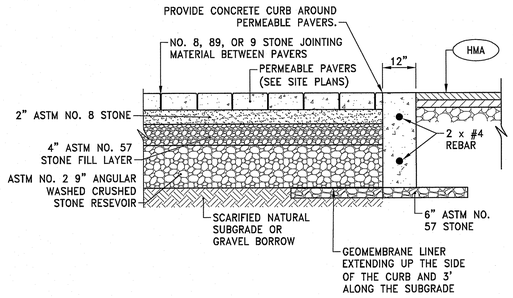




SECTION A–A DIVERSION WEIR WALL ELEVATION

DIVERSION MANHOLE 6 (DIV–6)

NOT TO SCALE

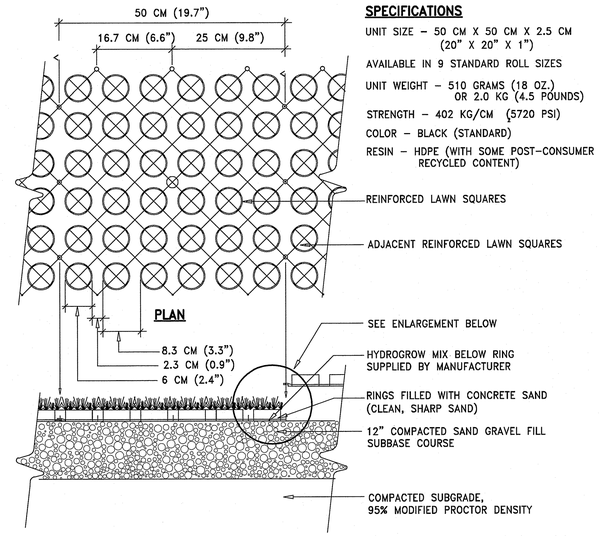


NOTES:

1. PAVERS TO BE AQUA ROC BY BELGARD, ECO–PRIORA BY UNILOCK, AQUA–BRIC BY CAMBRIDGE, OR APPROVED EQUIVALENT. COORDINATE COLOR AND LAYING PATTERN WITH THE OWNER AND ARCHITECT.
2. PAVERS SHALL MEET THE MINIMUM MATERIAL AND PHYSICAL PROPERTIES SET FORTH IN ASTM C 936, STANDARD SPECIFICATION FOR INTERLOCKING CONCRETE PAVING UNITS.
3. CONTRACTOR SHALL PROVIDE A PAVER MATERIAL SAMPLE FOR REVIEW BY THE OWNER AND OWNERS REPRESENTATIVE.
4. APPLY THE JOINT MATERIAL TO THE SURFACE AND SWEEP INTO THE JOINTS AND VOIDS. FILL JOINTS AND VOIDS THEN SWEEP OFF EXCESS MATERIAL BEFORE VIBRATING THE MATERIAL DOWN INTO THE JOINTS USING A PLATE COMPACTOR. THIS WILL TYPICALLY REQUIRE TWO TO THREE PASSES WITH THE PLATE COMPACTOR. DO NOT COMPACT WITHIN 6 FEET OF UNRESTRAINED EDGES OF THE PAVING UNITS

PERMEABLE PAVERS

NOT TO SCALE



SPECIFICATIONS

UNIT SIZE – 50 CM X 50 CM X 2.5 CM (20" X 20" X 1")

AVAILABLE IN 9 STANDARD ROLL SIZES

UNIT WEIGHT – 510 GRAMS (18 OZ.) OR 2.0 KG (4.5 POUNDS)

STRENGTH – 402 KG/CM (5720 PSI)

COLOR – BLACK (STANDARD)

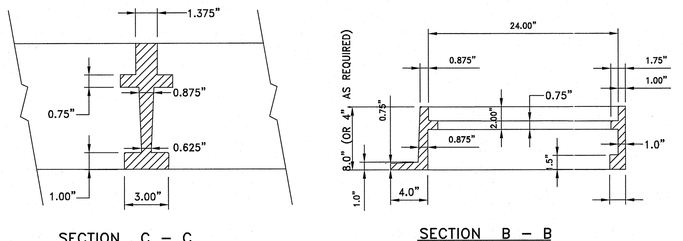
RESIN – HDPE (WITH SOME POST–CONSUMER RECYCLED CONTENT)

TYPICAL REINFORCED TURF DETAIL

NOT TO SCALE

TYPICAL NOTES LEGEND

① CAST IN PLACE CONCRETE DIVERSION WEIR WALL (4" WIDE)
② OVERFLOW PIPE TO UNDERGROUND INFILTRATION SYSTEM
③ PRECAST 4' OR 6' DIAMETER MANHOLE (RIDOT STANDARD 4.2.0 OR 4.2.2)
④ PROVIDE STEPS PER RIDOT STANDARD 4.2.1
⑤ PIPE IN
⑥ HDPE PIPE TO PRETREATMENT ROW



NOTES:

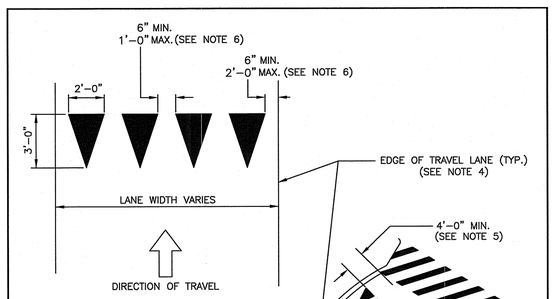
1. PROVIDE TYPE "F" CATCH BASIN ALONG ENTIRE LENGTH OF GRATE FOR CATCH BASINS PROPOSED ALONG CURB.
2. STRUCTURE TOP SLAB SHALL HAVE 48" x 24" OPENING.
3. FRAME AND GRATE AND TOP SLAB SHALL MEET H–20 LOADING CRITERIA.
4. PROVIDE 4" HIGH FRAME, AS NECESSARY.

PLAN

FRAME FOR DOUBLE GRATE CATCH BASIN

DOUBLE GRATE CATCH BASIN

NOT TO SCALE



YIELD LINE LAYOUT

CURVED APPROACH

NOTES:

1. ALL MARKINGS SHALL BE IN ACCORDANCE WITH SECTION T.20 OF THE RI STANDARD SPECIFICATIONS.
2. ALL YIELD LINE MARKINGS SHALL BE WHITE.
3. YIELD LINE MARKINGS SHALL ONLY BE INSTALLED WHERE CALLED FOR ON THE PLANS.
4. THE EDGE OF TRAVEL LANE IS THE EDGE OR LANE LINE PAVEMENT MARKING OR, WHERE NO SUCH MARKING IS PRESENT, THE EDGE OF THE PAVEMENT.
5. THE INDIVIDUAL TRIANGLES OF EACH YIELD LINE SHALL ALL POINT TOWARD APPROACHING VEHICLES IN THE SAME DIRECTION AND ORIENTATION. WHERE THE DOWNSTREAM CROSSWALK (OR IF NONE IS PRESENT, THE EDGE OF THE NEAREST INTERSECTING TRAVEL LANE) IS NOT PERPENDICULAR TO THE APPROACH, THE POINT OF THE TRIANGLE'S BASE THAT IS CLOSEST TO THE CROSSWALK (OR EDGE OF THE NEAREST INTERSECTING TRAVEL LANE) SHALL CONFORM TO THE MINIMUM DISTANCES DESCRIBED IN NOTE 7.
6. THE SPACES BETWEEN THE BASES OF ADJACENT YIELD LINE TRIANGLES SHALL BE IDENTICAL ACROSS THE ENTIRE WIDTH OF THE TRAVEL LANE. THE SPACE BETWEEN THE EDGE OF THE YIELD LINE TRIANGLES CLOSEST TO THE EDGE OF THE TRAVEL LANE AND THE LATTER MAY VARY SUBJECT TO THE DIMENSIONS SHOWN ON THE DETAIL.
7. UNLESS OTHERWISE CALLED FOR ON THE PLANS:
   A. WHERE A MARKED CROSSWALK IS ABSENT FROM A YIELD–CONTROLLED APPROACH, THE YIELD LINE SHOULD BE PLACED AT THE LOCATION OF THE YIELD SIGN(S), BUT SHALL NOT BE PLACED MORE THAN 30'–0" NOR LESS THAN 4'–0" FROM THE NEAREST EDGE OF THE INTERSECTING TRAVEL LANE.
   B. WHERE A MARKED CROSSWALK IS PRESENT ON THE YIELD–CONTROLLED APPROACH, THE YIELD LINE SHOULD BE PLACED AT THE LOCATION OF THE YIELD SIGN(S), BUT SHALL NOT BE PLACED MORE THAN 30'–0" FROM THE NEAREST EDGE OF THE INTERSECTING TRAVEL LANE NOR LESS THAN 4'–0" IN ADVANCE OF THE NEAREST CROSSWALK LINE (OR THE NEAREST EDGE OF THE INTERSECTING TRAVEL LANE).
8. FOR YIELD LINES ON DESIGNATED BICYCLE FACILITIES, REFER TO THE PLANS FOR REDUCED–SIZE YIELD LINE TRIANGLES AND ALTERNATE LAYOUT.

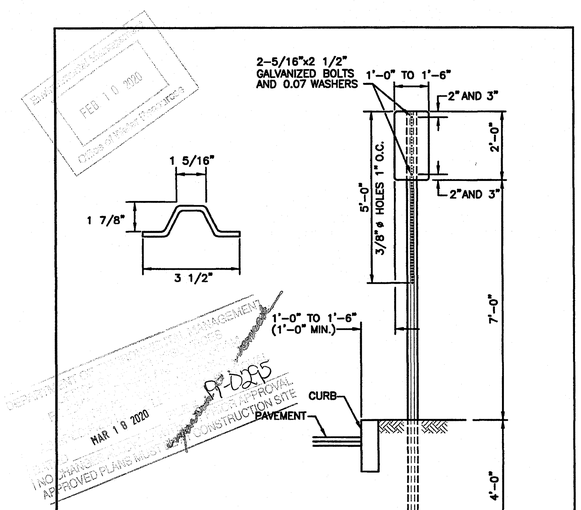
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS NO.	BY	DATE

PAVEMENT MARKINGS – YIELD LINE

R.I. STANDARD 20.4.0

David W. Fish, ADMINISTRATOR, PROJECT MANAGEMENT TRANSPORTATION — Robert Nocchio, CHIEF ENGINEER OF INFRASTRUCTURE TRANSPORTATION — FEBRUARY 27, 2018 ISSUE DATE



NOTES:

1. SHALL BE IN ACCORDANCE WITH SECTION T.15 OF THE STANDARD SPECIFICATIONS.
2. PARKING SIGNS SHALL BE SET AT AN ANGLE OF NOT LESS THAN 30° NOR MORE THAN 45° WITH A LINE PARALLEL TO FLOW OF TRAFFIC, 1'–6" (1'–0" MIN.) FROM EDGE OF CURB FACE.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS NO.	BY	DATE

PARKING SIGN MOUNTING DETAIL

R.I. STANDARD 24.6.0

Jean A. Cyr, CHIEF ENGINEER TRANSPORTATION — Edward M. Parker Jr., CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
02.07.20

REVISIONS:		
1	2-7-20	RIDEM COMMENTS

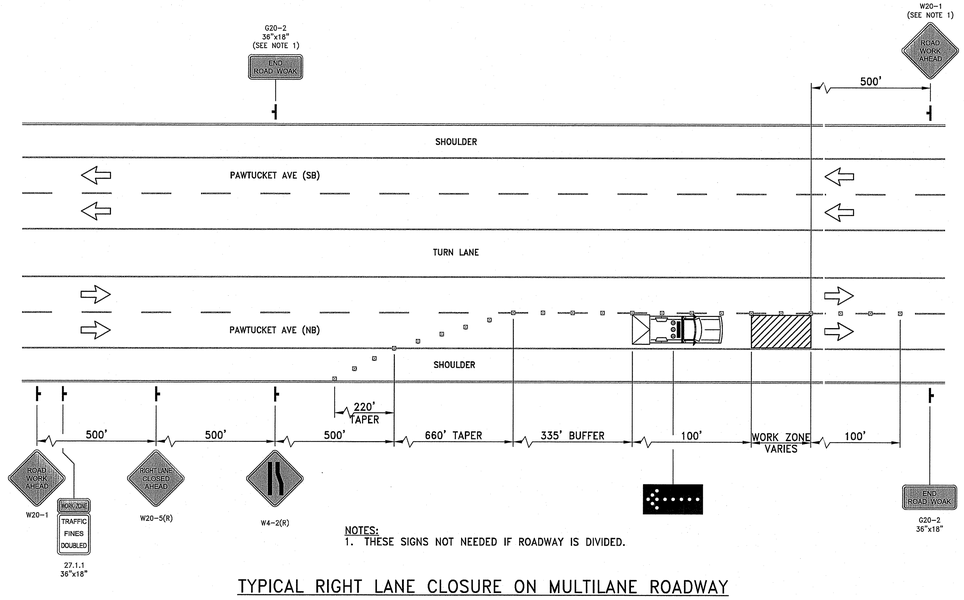
PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	NOT TO SCALE
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:

DETAILS 13

DRAWING NO.: C7.13

SHEET NO. 54 OF 65



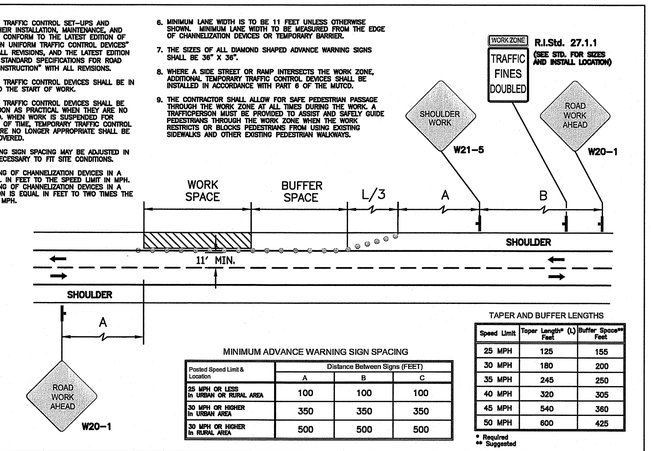
NOTES:
1. THESE SIGNS NOT NEEDED IF ROADWAY IS DIVIDED.

TYPICAL RIGHT LANE CLOSURE ON MULTILANE ROADWAY

LEGEND:

- FLAG PERSON
- FLOURESCENT TRAFFIC CONE R.I. STD. 26.1.0
- PLASTIC PIPE BARRICADE R.I. STD. 26.3.0
- DIRECTION OF TRAFFIC
- DIRECTION OF PEDESTRIAN TRAFFIC
- TEMPORARY SIGN
- WORK ZONE
- TRUCK w/ARROW AND ATTENUATOR

NOTES:
1. ALL TEMPORARY TRAFFIC CONTROL SET-UPS AND DEVICES AND THEIR INSTALLATION, MAINTENANCE, AND REMOVAL SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) WITH ALL REVISIONS, AND THE LATEST EDITION OF THE "RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" WITH ALL REVISIONS.
2. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF WORK.
3. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED. WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME, TEMPORARY TRAFFIC CONTROL DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.
4. ADVANCE WARNING SIGN SPACING MAY BE ADJUSTED IN THE FIELD IF NECESSARY TO FIT SITE CONDITIONS.
5. MAXIMUM SPACING OF CHANNELIZATION DEVICES IN A TAPER IS EQUAL IN FEET TO THE SPEED LIMIT IN MPH. MAXIMUM SPACING OF CHANNELIZATION DEVICES IN A TANGENT SECTION IS EQUAL IN FEET TO TWO TIMES THE SPEED LIMIT IN MPH.
6. MINIMUM LANE WIDTH IS TO BE 11 FEET UNLESS OTHERWISE SHOWN. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF CHANNELIZATION DEVICES OR TEMPORARY BARRIER.
7. THE SIZES OF ALL DIAMOND SHAPED ADVANCE WARNING SIGNS SHALL BE 36" X 36".
8. WHERE A SIDE STREET OR RAMP INTERSECTS THE WORK ZONE, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH PART 6 OF THE MUTCD.
9. THE CONTRACTOR SHALL ALLOW FOR SAFE PEDESTRIAN PASSAGE THROUGH THE WORK ZONE AT ALL TIMES DURING THE WORK. A TRAFFICPERSON MUST BE PROVIDED TO ASSIST AND SAFELY GUIDE PEDESTRIANS THROUGH THE WORK ZONE WHEN THE WORK RESTRICTS OR BLOCKS PEDESTRIANS FROM USING EXISTING SIDEWALKS AND OTHER EXISTING PEDESTRIAN WALKWAYS.



TAPER AND BUFFER LENGTHS

Speed Limit	Taper Length* (L) Feet	Buffer Space** Feet
25 MPH	125	155
30 MPH	180	200
35 MPH	245	250
40 MPH	320	305
45 MPH	540	360
50 MPH	600	425

* Required
** Suggested

MINIMUM ADVANCE WARNING SIGN SPACING

Posted Speed Limit & Location	Distance Between Signs (FEET) A	B	C
25 MPH OR LESS IN URBAN OR RURAL AREA	100	100	100
30 MPH OR HIGHER IN URBAN AREA	350	350	350
30 MPH OR HIGHER IN RURAL AREA	500	500	500

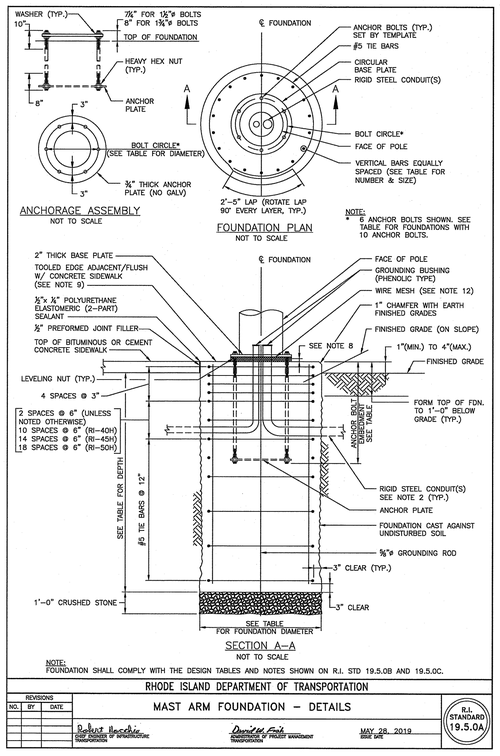
RHODE ISLAND DEPARTMENT OF TRANSPORTATION
TEMPORARY TRAFFIC CONTROL PLAN

TYPICAL SHOULDER CLOSURE ON MULTI LANE HIGHWAY

NOT TO SCALE — DATE: 02-07-13

MAST ARM FOUNDATION DIMENSIONS							
MAST ARM NO.*	BOLT CIRCLE DIAMETER (IN)	NUMBER OF ANCHOR BOLTS	DIAMETER OF BOLTS (IN)	ANCHOR BOLT EMBEDMENT (IN)	FOUNDATION DIAMETER	FOUNDATION DEPTH	NUMBER AND SIZE OF VERT. REINFORCING
4a	21	6	1-1/2"	42	3'-6"	12'-0"	18 - #8
4b & 4c	20	6	1-1/2"	42	3'-0"	12'-0"	13 - #8
4d	19	6	1-1/2"	42	3'-0"	10'-0"	13 - #8

* CORRESPONDS TO "TRAFFIC SIGNAL LEGEND" ON SHEET C8.1



NOTE:
FOUNDATION SHALL COMPLY WITH THE DESIGN TABLES AND NOTES SHOWN ON R.I. STD 19.5.0B AND 19.5.0C.

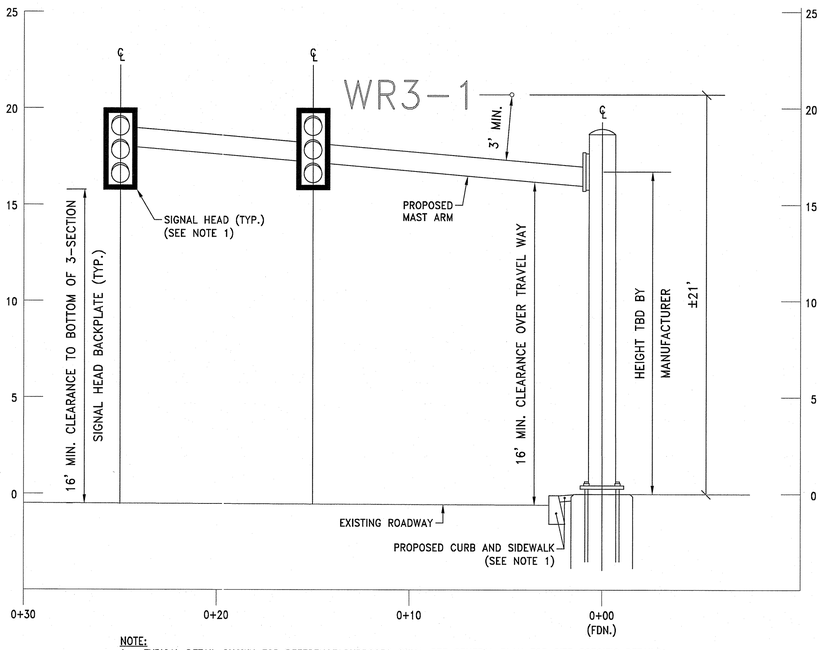
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		
NO.	BY	DATE

MAST ARM FOUNDATION - DETAILS

Robert Bacchia, CHIEF ENGINEER OF INFRASTRUCTURE TRANSPORTATION
Daniel Gale, ADMINISTRATOR OF PROJECT MANAGEMENT TRANSPORTATION
MAY 28, 2019 ISSUE DATE

R.I. STANDARD 19.5.0A



NOTE:
1. TYPICAL DETAIL SHOWN FOR REFERENCE PURPOSES ONLY. SEE GENERAL PLAN FOR SITE SPECIFIC DETAILS.

TYPICAL SECTION AT PROPOSED SIGNAL MAST ARM

NOT TO SCALE

MAST ARM AND FOUNDATION DESIGN NOTES:

1. ALL TRAFFIC SIGNAL SUPPORT DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING, INCLUDING ALL SUPPLEMENTS AND REVISIONS:
   - SECTION 15 OF THE RHODE ISLAND LRFD BRIDGE DESIGN MANUAL, 2007 EDITION
   - THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, INCLUDING ALL SUPPLEMENTS AND REVISIONS.
   - SECTION T.11 AND RELATED SECTIONS OF THE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AMENDED 2018, INCLUDING ALL SUPPLEMENTS AND REVISIONS.
   - RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD DETAILS, AMENDED 2019, INCLUDING ALL REVISIONS.
2. SERVICE CONDUIT(S) FOR POLE SHALL BE CAST INTEGRAL WITH THE FOUNDATION. CONDUITS SHOWN SCHEMATICALLY. CONTRACTOR SHALL COORDINATE FOR THE ACTUAL CONFIGURATION.
3. SOIL CLASS, SOIL TYPE AND GROUNDWATER PRESENCE SHOWN ON THE CONTRACT DOCUMENTS SHALL BE USED TO SELECT THE FOUNDATION FROM THE MAST ARM FOUNDATION DESIGN TABLES. DESIGN OF STANDARD FOUNDATIONS ARE BASED ON GRANULAR SOILD AND EXCLUDE POOR SOILS WHERE THE SPT N-VALUE IS LESS THAN 5, INCLUDING LOOSE SILTY SAND (SM), SILTS (ML), COHESIVE SOILS, MUCK, ORGANIC SOILS, MISCELLANEOUS FILLS, AND ROCK. REFER TO THE "MAST ARM FOUNDATION DIMENSIONS" TABLE ON THIS SHEET FOR FOUNDATION DIMENSIONS. THIS TABLE IS INCLUDED FOR THE CONVENIENCE OF THE CONTRACTOR BUT SHALL BE VERIFIED BY THE MANUFACUTER TO BE COMPATABLE WITH THEIR PROPOSED MAST ARM DESIGN.
4. COMPACTED COMMON BORROW AND COMPACTED GRAVEL BORROW IN THE SOIL TYPE TABLE OF R.I. STANDARD DETAIL 19.5.0B APPLY TO GRANULAR HIGHWAY EMBANKMENT FILL, IN WHICH THE TOP 3 FEET IS COMPACTED TO AT LEAST 95 PERCENT OF T180 AND MATERIAL BELOW 3 FEET IS COMPACTED TO AT LEAST 90 PERCENT OF T180.
5. FOUNDATION SHALL BE CAST AGAINST UNDISTURBED SOIL. EXCAVATIONS SHALL BE BY THE METHODS SPECIFIED IN SECTION T.11 TO THE NEAT LINES OF THE OUTSIDE DIMENSION OF THE FOUNDATION WITHOUT DISTURBING THE SOIL AROUND AND BELOW THE PROPOSED FOUNDATION. IF THE SOIL IS DISTURBED OR REMOVED BEYOND THE NEAT LINES OF THE OUTSIDE DIMENSION OF THE FOUNDATION, THEN DISTURBED SOILS SHALL BE REMOVED AND THE EXCAVATION SHALL BE FILLED WITH FOUNDATION CONCRETE.
6. FOUNDATIONS SHOWN IN THE DESIGN TABLE ARE DESIGNED FOR DRY CONDITIONS (NO GROUND WATER) AND WET CONDITIONS WHEN GROUNDWATER IS 5'-0" OR GREATER FROM THE GROUND SURFACE.
7. ALL FOUNDATIONS MUST HAVE CONES OR BARRELS BOLTED TO FOUNDATION BASES UNTIL ACTUAL POLE IS INSTALLED.
8. THE MAXIMUM CLEARANCE BETWEEN THE BOTTOM OF THE LEVELING NUTS AND TOP OF CONCRETE FOUNDATION SHALL NOT EXCEED THE DIAMEMENT DIAMETER OF THE ANCHOR BOLT UNLESS OTHERSIDE NOTED.
9. CONTRACTOR SHALL ENSURE THAT FINAL GRADING ALLOWS RUN-OFF FROM TOP OF FOUNDATION. FOR INSTALLATION AT SIDEWALKS, REFER TO CONTRACT PLANS TO ENSURE TOP OF FOUNDATION WILL BE FLUSH AND WILL MATCH SLOPE AND GRADE OF PROPOSED SIDEWALK.
10. CONCRETE SHALL BE CLASS XX ¾"f'c = 4000 PSI.
11. REINFORCING STEEL SHALL BE IN AASHTO DESIGNATION M31 (ASTM DESIGNATION A615) GRADE 60 AND SHALL BE GALVANIZED PER SECTION 810.
12. A WIRE MESH SCREEN SHALL BE INSTALLED AROUND THE PERIMETER OF THE POLE BASE PLATE. SCREENS SHALL BE PRESS-FORMED OF 3 OR 4 MESH, 21 GAGE OR HEAVIER, HOP DIPPED GALVANIZED WIRE SCREEN OR APPROVED EQUIVALENT. THE SCREEN SHALL BE SCREWED INTO DRILLED AND TAPPED HOLES AROUND THE SIDE OF THE POLE BASE PLATE. THE SCREEN SHALL BE FLUSH WITH THE TOP OF THE FOUNDATION. THE POLE BASE SCREW FASTENERS SHALL BE GALVANIZED PER AASHTO M232.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE TRAFFIC SIGNAL MAST ARMS, POSTS, AND ALL CONNECTIONS.
14. THE FOLLOWING NOTES SHALL BE ACCOUNTED FOR IN ALL DESIGNS AND SHALL BE INCLUDED ON ALL SHOP DRAWINGS:
   - PRETENSIONING OF ALL ANCHOR NUTS IS REQUIRED AND SHALL BE ACCOMPLISHED BY TIGHTENING TO 1/6TH TURN BEYOND THE SNUG-TIGHT POSITION.
   - THE MAXIMUM CLEARANCE BETWEEN THE BOTTOM OF THE LEVELING NUTS AND THE TOP OF THE CONCRETE IS CRITICAL AND SHALL NOT EXCEED THE AMOUNT SPECIFIED ON THE SHOP DRAWINGS.
   - THE USE OF GROUT UNDER BASE PLATES SHALL GENERALLY NOT BE PERMITTED. IF SPECIFIC CONDITIONS WARRANT ITS USE, THE GROUT SHALL NOT BE CONSIDERED LOAD-CARRYING, AND THE LOADS SHALL BE CONSIDERED TO BE DIRECTLY SUPPORTED BY THE ANCHOR BOLTS. ADEQUATE DRAINAGE SHALL BE PROVIDED.
15. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS INCLUDING A PLAN AND DESIGN CALCULATIONS FOR THE TRAFFIC SIGNAL MAST ARM AND POST BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF RHODE ISLAND. THE SHOP DRAWINGS SHALL ALSO INCLUDE A PLAN OF THE FOUNDATION AND ANCHORAGE. NO WORK SHALL BE PERFORMED UNTIL APPROVED SHOP DRAWINGS HAVE BEEN RETURNED TO THE CONTRACTOR.
16. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF SOIL CONDITIONS DIFFER FROM THE BORING LOGS INCLUDED IN THE CONTRACT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF CONFLICTS DISCOVERED OR CHANGES NEEDED TO ACCOMMODATE UNKNOWN OR CHANGED CONDITIONS.

RECEIVED FEB 10 2020 RIDEM OFFICE OF ENVIRONMENTAL MANAGEMENT DEPARTMENT OF ENVIRONMENTAL RESOURCES PRESCRIPTIVE STORMWATER PERMIT PROGRAM APPROVED WITH CONDITIONS AS LISTED IN THE LETTER OF APPROVAL FILE # 19-0085 DATED FEB 9 2020 NO CHANGES TO PLANS MUST BE MADE PRIOR APPROVAL FROM RIDEM

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

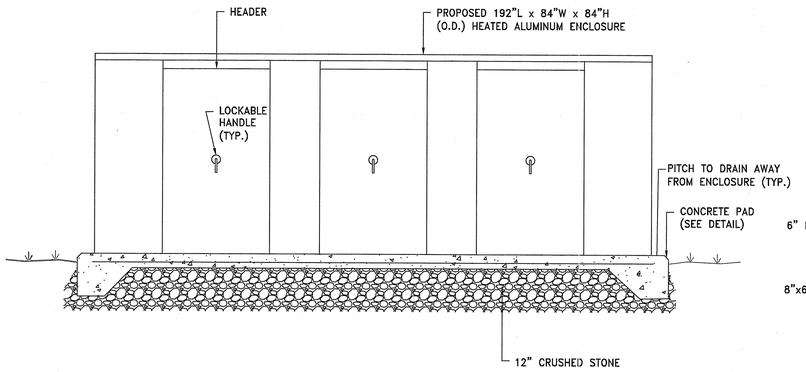
DAVID L. POTTER
No. 8665
02.07.20
REGISTERED PROFESSIONAL ENGINEER
CIVIL

REVISIONS:		
1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	NOT TO SCALE
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

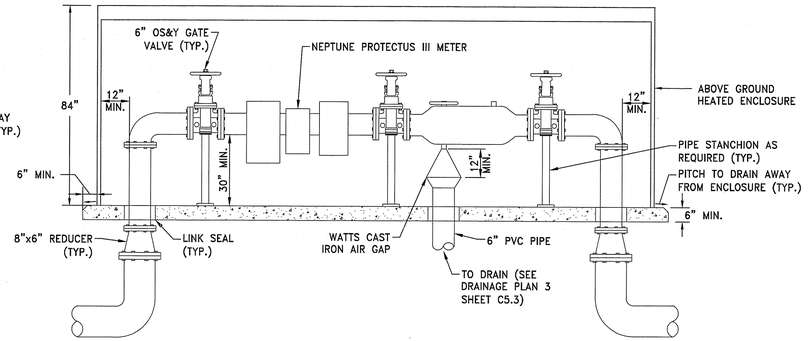
DRAWING TITLE:
DETAILS 14

DRAWING NO.:
C7.14
SHEET NO. 55 OF 65



HOTBOX ELEVATION VIEW

NOT TO SCALE

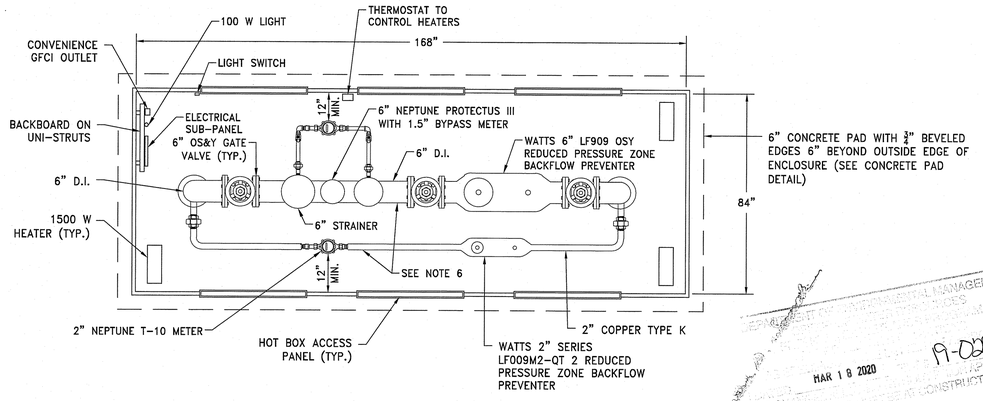


ABOVE GROUND HEATED ENCLOSURE SECTION A–A

NOT TO SCALE

NOTES:

1. ALL INTERIOR PIPING SHALL BE CLASS 53 DUCTILE IRON WITH FLANGED JOINTS.
2. ALL BURIED PIPING SHALL BE CLASS 52 CEMENT–LINED DUCTILE IRON WITH MECHANICAL JOINTS.
3. ALL EXPOSED METAL SURFACES TO BE BONDED BY ELECTRICIAN PER NATIONAL ELECTRIC CODE.
4. CONTRACTOR SHALL SUPPORT ALL INTERIOR PIPING WITH PIPE SUPPORTS, NO LESS THAN 3 SUPPORTS PER LINE.
5. COMPONENTS OF ENCLOSURE INCLUDING BUT NOT LIMITED TO, ACCESS PANELS AND ANCHORS, QUANTITIES AND SPACING PER MANUFACTURER'S RECOMMENDATIONS.
6. PIPE DIAMETERS OF STRAIGHT RUN PIPE SHALL BE PROVIDED BEFORE AND AFTER METER/STRAINER ASSEMBLY.



ABOVE GROUND HEATED ENCLOSURE PLAN AND PROFILE

NOT TO SCALE

RECEIVED
FEB 10 2020
Office of Water Resources

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RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
MAR 18 2020
A-0295
APPROVAL
NO CHANGES FROM APPROVED PLANS WITHOUT APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

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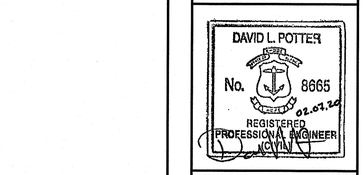
SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON
ORIGINAL DRAWING

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND



REVISIONS:

1	2-7-20	RIDEM COMMENTS

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DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

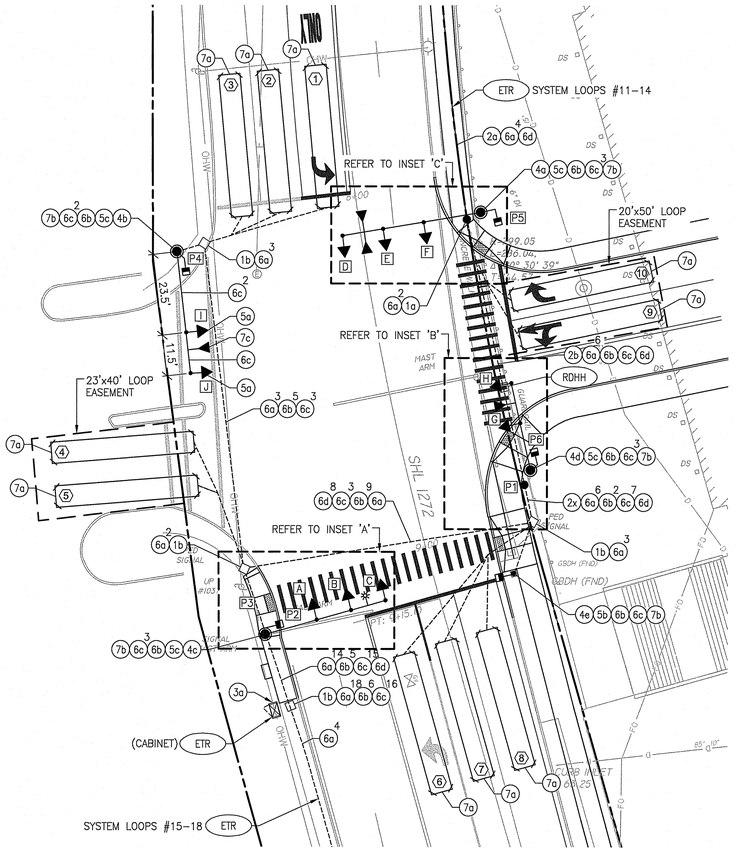
DRAWING TITLE:

DETAILS 15

DRAWING NO.:

C7.15

SHEET NO. 56 OF 65



INSET 'A'

INSET 'B'

INSET 'C'

DETECTOR DATA

DETECTOR No.	No. SECTION / SIZE	RELAY NUMBER	SLOT	DELAY (SEC)	CALL PHASE	REMARKS
1	1 - 6' x 40'	1	2	3	5	PROPOSED
2	1 - 6' x 40'	1	2	3	2	PROPOSED
3	1 - 6' x 40'	1	2	3	2	PROPOSED
4	1 - 6' x 40'	1	2	5	3	PROPOSED
5	1 - 6' x 40'	2	4	5	3	PROPOSED
6	1 - 6' x 40'	2	4	3	1	PROPOSED
7	1 - 6' x 40'	2	4	3	6	PROPOSED
8	1 - 6' x 40'	2	4	3	6	PROPOSED
9	1 - 6' x 40'	3	6	5	3	PROPOSED
10	1 - 6' x 40'	3	6	5	3	PROPOSED
11	1 - 6' x 40'	4	8	-	SYSTEM	EXISTING
12	1 - 6' x 40'	4	8	-	SYSTEM	EXISTING
13	1 - 6' x 40'	4	8	-	SYSTEM	EXISTING
14	1 - 6' x 40'	4	8	-	SYSTEM	EXISTING
15	1 - 6' x 40'	5	10	-	SYSTEM	EXISTING
16	1 - 6' x 40'	5	10	-	SYSTEM	EXISTING
17	1 - 6' x 40'	5	10	-	SYSTEM	EXISTING
18	1 - 6' x 40'	5	10	-	SYSTEM	EXISTING

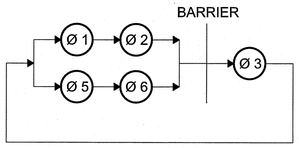
TRAFFIC SIGNAL LEGEND

No.	SYMBOL	ITEM CODE	DESCRIPTION
1a	●	T05.0100	PRECAST TYPE A HANDHOLE - STANDARD 18.2.0
1b		T05.0400	BREAK INTO EXISTING HANDHOLE
2a		T06.5130	3 INCH SCHEDULE 40 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDERGROUND
2b		T06.5430	3 INCH SCHEDULE 80 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDER EXISTING PAVEMENT
3a		T12.9901	MODIFY EXISTING CONTROLLER CABINET
4a		T11.9901	40 FOOT STEEL MAST ARM TRAFFIC SIGNAL POST AND FOUNDATION
4b		T11.9902	35 FOOT STEEL MAST ARM TRAFFIC SIGNAL POST AND FOUNDATION
4c		T11.9903	35 FOOT STEEL MAST ARM TRAFFIC SIGNAL POST AND FOUNDATION
4d		T11.9904	25 FOOT STEEL MAST ARM TRAFFIC SIGNAL POST AND FOUNDATION
4e		T11.2008	TRAFFIC SIGNAL STANDARD, 8-FOOT, STD 19.4.0 ALUMINUM PEDESTAL POLE AND FOUNDATION
5a	→ X	T14.3513	1 WAY 3 SECTION MAST ARM MOUNTED SIGNAL HEAD 12 INCH
5b	PX	T14.9901	1 WAY 2 SECTION PEDESTAL MOUNTED LED PEDESTRIAN SIGNAL HEAD 12 INCH W/ COUNTDOWN TIMER
5c	PX	T14.9902	1 WAY 2 SECTION BRACKET MOUNTED LED PEDESTRIAN SIGNAL HEAD 12 INCH W/ COUNTDOWN TIMER
6a		T04.5302	14 AWG 2 CONDUCTOR TWISTED SHIELDED CABLE
6b		T04.5303	14 AWG 3 CONDUCTOR CABLE
6c		T04.5305	14 AWG 5 CONDUCTOR CABLE
6d		T04.9901	#19 AWG 6 PAIR TRAFFIC COMMUNICATIONS CABLE
6e		T04.9904	OPTICAL DETECTOR CABLE
7a		T13.1000	TRAFFIC DETECTOR - LOOP STANDARD 19.6.0
7b	→	T13.8210	ACCESSIBLE PEDESTRIAN DETECTOR - PUSH BUTTON WITH SIGN
7c	◀	201.9907/T13.9901	OPTICAL DETECTOR, ONE WAY SINGLE CHANNEL
7d	✳	T13.9903	OPTICAL CONFIRMATION BEACON
7e		201.9907/T13.9902	OPTICAL SIGNAL PROCESSOR
RDHH			REMOVE AND DISPOSE SIGNAL HANDHOLE

EMERGENCY VEHICLE PREEMPTION OPERATIONS

1. EMERGENCY VEHICLE PREEMPTION SHALL BE ACTUATED BY AN OPTICAL SIGNAL FROM AN OPTICAL EMITTER MOUNTED ON AN EMERGENCY VEHICLE AND RECEIVED BY AN OPTICAL DETECTOR LOCATED AT THE INTERSECTION. A SEPARATE RECEIVING DETECTOR IS REQUIRED FOR EACH DETECTED APPROACH.
2. PREEMPTION SIGNALS FROM MULTIPLE APPROACHES SHALL BE SERVICED ON A FIRST DETECTED FIRST SERVED BASIS.
3. IN RESPONSE TO A PREEMPTION SIGNAL RECEIVED AT AN INTERSECTION BY AN OPTICAL DETECTOR, THE CONTROLLER SHALL TIME THE CLEARANCE INTERVALS OF THE ACTIVE PHASE (IF DIFFERENT THAN THAT TO BE SERVICED) AND ADVANCE TO AND/OR HOLD IN EMERGENCY VEHICLE PREEMPTION PHASE UNTIL THE PREEMPTION SIGNAL CEASES. THE CONTROLLER SHALL THEN TIME CLEARANCES AND SIMILARLY SERVICE OTHER EMERGENCY VEHICLE PREEMPTION SEQUENCES IN THE ORDER RECEIVED (IF RECEIVED) OTHERWISE, RESUME NORMAL PREFERENTIAL PHASE SEQUENCE.
4. PREEMPTION MINIMUM GREENS SHALL BE SIX SECONDS.
5. NORMAL CLEARANCES SHALL BE PROVIDED ON PHASES THAT ARE TERMINATED BY PREEMPTION DEMAND.
6. THE LOCATION OF PREEMPTION SENSORS CAN BE ADJUSTED ALONG THE MAST ARM IN THE FIELD BY THE CONTRACTOR TO ACHIEVE OPTIMAL LINE OF SIGHT.

BARRIER



PHASE SEQUENCE DIAGRAM

COORDINATION DATA
MAXIMUM PHASE TIME IN SECONDS

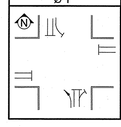
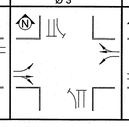
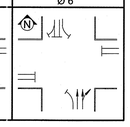
SPLIT	Ø1	Ø2	Ø3	Ø5	Ø6	OFFSET	CYCLE LENGTH
CYCLE 1	10	21	14	13	18	3	45
CYCLE 2	10	30	9	9	32	8	50
CYCLE 3	11	22	18	11	21	48	50

CYCLE 1 - MON-FRI 6:00 AM TO 10:00 AM
CYCLE 2 - MON-FRI 10:00 AM TO 2:30 PM
CYCLE 3 - MON-FRI 2:30 PM TO 7:00 PM
FREE - ALL OTHER TIME PERIODS

NOTE: THE COORDINATED PHASES ARE Ø2 AND Ø6 FOR ALL CYCLES

PHASING AND TIMING DIAGRAM

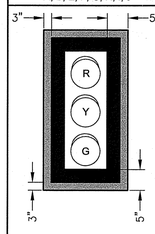
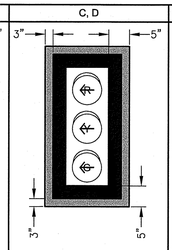
APPROACH	DIRECTION	HOUSING	Ø 1			Ø 2			Ø 3			Ø 5			Ø 6			FLASHING
																		OPERATION
MINIMUM INTERVAL			4			4			4			4			4			
VEHICLE EXTENSION			2.4			2.8			2.4			2.4			2.8			
MAXIMUM 1			6			19			12			10			15			
MAXIMUM 2																		
YELLOW CHANGE				3			4			3			3			4		
RED CLEARANCE					1.5			1			1			1.5			1	
PED WALK / CLEARANCE						7/16			9/15						7/16			
PAWTUCKET AVENUE	NB	D	~~G~~	~~Y~~	~~R~~	~~R~~	~~R~~	~~R~~	~~R~~	~~R~~	~~R~~	~~R~~	~~R~~	~~R~~	~~R~~	~~R~~	~~R~~	FR
PAWTUCKET AVENUE	NB	E, F	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	FY
PAWTUCKET AVENUE	SB	C	~~R~~	~~R~~	~~R~~	~~R~~	~~R~~	~~R~~	~~R~~	~~R~~	~~R~~	~~G~~	~~Y~~	~~R~~	~~R~~	~~R~~	~~R~~	FR
PAWTUCKET AVENUE	SB	A, B	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	FY
SHOPPERSTOWN PLAZA	EB	G, H	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	FR
EAST PROVIDENCE HIGH SCHOOL	WB	I, J	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	FR
PED CROSSING - PAWTUCKET AVENUE	E - W	P1, P2	DW	DW	DW	DW	DW	DW	W/FDW	DW	DW	DW	DW	DW	DW	DW	DW	DARK
PED CROSSING - PLAZA/ SCHOOL	N - S	P3, P4, P5, P6	DW	DW	DW	W/FDW	DW	DW	DW	DW	DW	DW	DW	DW	W/FDW	DW	DW	DARK
DETECTOR			NON - LOCK			NON - LOCK			NON - LOCK			NON - LOCK			NON - LOCK			
RECALL			OFF			SOFT			OFF			OFF			SOFT			

Ø 1	Ø 2	Ø 3	Ø 5	Ø 6
				

PHASING AND TIMING NOTES:

1. FLASHING OPERATION PER M.U.T.C.D. SECTION 4D.28 - 4D.31.

SIGNAL HEAD DATA

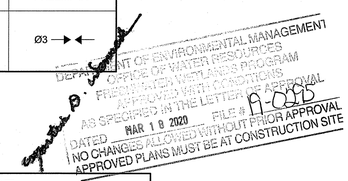
A, B, E, F, G, H, I, J	C, D	P1, P2, P3, P4, P5, P6
		
		TWO SECTION
ALL 12" LENS		

NOTES:

1. ALL TRAFFIC SIGNAL HEADS ARE PROPOSED AND SHALL BE EQUIPPED WITH LED MODULES.
2. SIGNAL HEADS A, B, C, D, E, F, G, H, I, AND J SHALL BE FURNISHED WITH BACK PLATES AS SHOWN. BACK PLATES SHALL BE EQUIPPED WITH A 3" YELLOW RETROREFLECTIVE STRIP IN ACCORDANCE WITH SECTION 4D.12 OF THE MUTCD 2009 EDITION.

EMERGENCY VEHICLE PREEMPTION

NB	SB	EB/WB
REC #1 PREEMP #1	REC #2 PREEMP #2	REC #3 PREEMP #3
Ø6 ↑	Ø2 ↓	Ø3 → ←



REMOVE & SALVAGE
TRAFFIC SIGNAL EQUIPMENT

APPROX. QUANTITY	ITEM
250 LF	14 AWG 5 CONDUCTOR CABLE
200 LF	14 AWG 9 CONDUCTOR CABLE
1 EA.	PEDESTRIAN SIGNAL HEAD, 1 WAY, 2 SECTION, BRACKET MOUNTED
7 EA.	SIGNAL HEAD, 1 WAY, 3 SECTION, 12 INCH MAST ARM MOUNTED
7 EA.	SIGNAL HEAD, 1 WAY, 3 SECTION, 12 INCH MAST ARM MOUNTED
2 EA.	TRAFFIC SIGNAL, POLE, AND FOUNDATION

NOTES:

1. TRAFFIC SIGNAL EQUIPMENT AT THIS INTERSECTION SHALL BE SALVAGED IN ACCORDANCE WITH ITEM NO. 201.9901.

Scale: 1"=20'
0 10' 20' 40'

TRAFFIC SIGNAL NO. 395

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

OWNER:
EAST PROVIDENCE
SCHOOL DISTRICT
C/O KATHRYN CROWLEY,
SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

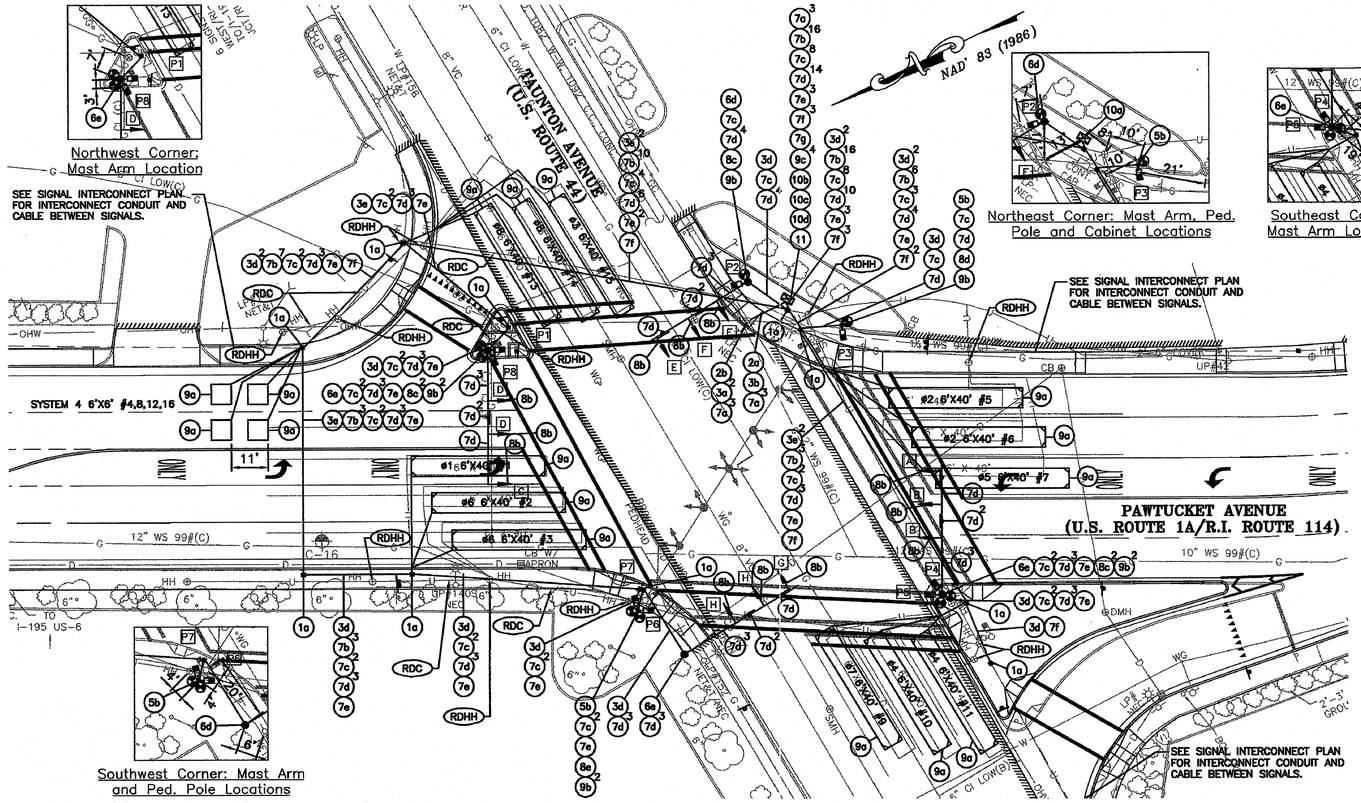
EAST PROVIDENCE HIGH SCHOOL
EAST PROVIDENCE, RHODE ISLAND

JOHN P. SHEVLIN
No. 6358
12.23.19
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

1	2-7-20	RIDEM COMMENTS

PROJECT NO.: 18271.00
DATE: SEPT 27, 2019
SCALE:
DESIGNED BY: AA
CHECKED BY: JPS
DRAWN BY: MS
APPROVED BY: DLP
DRAWING TITLE:
TRAFFIC SIGNAL PLAN
DRAWING NO.:
C8.1
SHEET NO. 57 OF 65



SIGNAL HEAD SPACING	
SIGNAL HEAD	DISTANCE FROM CENTER OF MAST ARM POLE
A	37'
B	27'
B	17'
C	40'
D	25'
D	15'
E	32'
F	21'
F	11'
G	37'
H	28'
H	18'

SIGNAL HEAD DATA		
A,C,E,G	B,D,F,H	P1–P8
	R Y G	LED
ALL 12" LENS		

NOTES:
1. ALL TRAFFIC AND PEDESTRIAN SIGNAL HEADS ARE PROPOSED.
2. ALL RED, YELLOW, AND GREEN SIGNAL DISPLAYS SHALL BE EQUIPPED WITH LED MODULES.

REMOVE AND DISPOSE TRAFFIC SIGNAL EQUIPMENT		
QTY.	UNIT	DESCRIPTION
2	EACH	EMBEDDED SPAN POLE AND FOUNDATION
1	EACH	CABINET FOUNDATION
2	EACH	PEDESTAL POLE FOUNDATION
16	EACH	SIGNAL HANDHOLE
500	LF	SIGNAL CONDUIT
2350	LF	WIRE AND CABLE

REMOVE AND SALVAGE TRAFFIC SIGNAL EQUIPMENT		
QTY.	UNIT	DESCRIPTION
1	EACH	CONTROLLER CABINET AND INTERNAL COMPONENTS
12	EACH	VEHICLE SIGNAL HEADS
8	EACH	PEDESTRIAN SIGNAL HEADS
2	EACH	PEDESTAL POLE

TRAFFIC SIGNAL EQUIPMENT LEGEND

NO.	CODE	SYMBOL	DESCRIPTION
1a	T05.0100	▪	PRECAST HANDHOLE – TYPE A, RI STD. 18.2.0
1b	T05.9901		BREAK INTO EXISTING HANDHOLE
2a	T06.1020		2 INCH RIGID STEEL CONDUIT, UNDERGROUND
2b	T06.2020		2 INCH RIGID STEEL CONDUIT, OVERHEAD
3a	T06.6020		2 INCH POLYVINYL CHLORIDE PLASTIC CONDUIT, OVERHEAD
3b	T06.9901		2 INCH POLYVINYL CHLORIDE PLASTIC CONDUIT (SCHEDULE 40), UNDERGROUND
3d	T06.9903		3 INCH POLYVINYL CHLORIDE PLASTIC CONDUIT (SCHEDULE 40), UNDERGROUND
3e	T06.9904		3 INCH POLYVINYL CHLORIDE PLASTIC CONDUIT (SCHEDULE 80), UNDER EXISTING PAVEMENT
5b	T11.2008	•	TRAFFIC SIGNAL STANDARD, 8 FOOT, RI STD. 19.4.0 WITH ALUMINUM PEDESTAL POLE AND FOUNDATION
8d	T11.1035	—●	35 FOOT STEEL MAST ARM WITH POST AND FOUNDATION, RI STD. 19.2.0
8e	T11.1040	—●	40 FOOT STEEL MAST ARM WITH POST AND FOUNDATION, RI STD. 19.2.0
7a	T04.5001		6 AWG SINGLE CONDUCTOR CABLE, 600 V INSULATION
7b	T04.5302		14 AWG 2 CONDUCTOR TWISTED SHIELDED CABLE
7c	T04.5303		14 AWG 3 CONDUCTOR CABLE
7d	T04.5305		14 AWG 5 CONDUCTOR CABLE
7e	T04.5307		14 AWG 7 CONDUCTOR CABLE
7f	T04.9901		#19 AWG 6 PAIR TRAFFIC COMMUNICATIONS CABLE
8b	T14.3513	—•	1–WAY, 3 SECTION MAST ARM MOUNTED SIGNAL HEAD, 12 INCH LED, WITH BACKPLATE
8c	T14.3913	—▭	1–WAY, 12 INCH LED PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
8d	T14.3911	—▭	1–WAY, 12 INCH LED PEDESTRIAN SIGNAL HEAD, PEDESTAL MOUNTED
8f	T14.3912	▭▭	2–WAY, 12 INCH LED PEDESTRIAN SIGNAL HEAD, PEDESTAL MOUNTED
9a	T13.1000	▭	TRAFFIC DETECTORS, LOOP, RI STD. 19.8.0
9b	T13.8200	⊕	PEDESTRIAN DETECTOR, PUSH BUTTON WITH SIGN
9c	T13.1004		TRAFFIC DETECTOR RELAY, LOOP, 4 CHANNEL
10b	T12.0018	▭	ACTUATED CONTROLLER, TS–2, TYPE 1 WITH 8 PHASE ASSEMBLY, GROUND MOUNTED, INCL. CABINET AND FOUNDATION, RI STD. 19.1.0
10c	T12.9901		MARC 300 MASTER CONTROLLER
10d	T12.9903		TRAFFIC SIGNAL SYSTEM MODEM
11	T12.9150		METER SOCKET WITH MANUAL BY–PASS
RDC			REMOVE AND DISPOSE SIGNAL CONDUIT
RDHH			REMOVE AND DISPOSE SIGNAL HANDHOLE
		⊕	EXISTING HANDHOLE
		▭	EXISTING CONTROLLER CABINET
		—○—	EXISTING UTILITY POLE
		▭	EXISTING CATCH BASIN
		⊕	EXISTING MANHOLE
		⌒○	EXISTING HYDRANT
		☼	EXISTING LUMINAIRE
		○SP	EXISTING SPAN POLE
		—⊕—	EXISTING TRAFFIC SIGNAL HEAD
		—▭	EXISTING PEDESTRIAN SIGNAL HEAD
		⊕GG	EXISTING GAS GATE

PHASING AND TIMING DIAGRAM																													
APPROACH	DIRECTION	HOUSING	ø1			ø2			ø3			ø4			ø5			ø6			ø7			ø8			FLASHING OPERATION
MINIMUM INTERVAL			4.0			4.0			4.0			4.0			4.0			4.0			4.0			4.0			
VEHICLE EXTENSION			2.4			2.8			2.4			2.8			2.4			2.8			2.4			2.8			
MAXIMUM 1			11.0			26.0			14.0			25.0			11.0			26.0			14.0			25.0			
YELLOW CLEARANCE				3.0			4.0			3.0			4.0			3.0			4.0			3.0			4.0		
RED CLEARANCE					1.5			1.0			1.5			1.0			1.5			1.0			1.5			1.0	
PED. WALK/CLEARANCE						4/18						4/16						4/18						4/16			
PAWTUCKET AVENUE	NB	D	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	F Y
PAWTUCKET AVENUE	NB–LT.	C	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹G-	‹Y-	‹R-	R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	F R
PAWTUCKET AVENUE	SB	B	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	F Y
PAWTUCKET AVENUE	SB–LT.	A	‹G-	‹Y-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	F R
TAUNTON AVENUE	EB	F	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	F R
TAUNTON AVENUE	EB–LT.	E	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹G-	‹Y-	‹R-	‹R-	‹R-	‹R-	F R
TAUNTON AVENUE	WB	H	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	F R
TAUNTON AVENUE	WB–LT.	G	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹G-	‹Y-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	‹R-	F R
PED. CROSSING TAUNTON AVENUE	N–S	P1,P2	DW	DW	DW	W/FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DARK
PED. CROSSING PAWTUCKET AVENUE	E–W	P3,P4	DW	DW	DW	DW	DW	DW	DW	DW	DW	W/FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	
PED. CROSSING TAUNTON AVENUE	N–S	P5,P6	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W/FDW	DW	DW	DW	DW	DW	DW	DW	DW	
PED. CROSSING PAWTUCKET AVENUE	E–W	P7,P8	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W/FDW	DW	DW	
DETECTOR			NON–LOCK			NON–LOCK			NON–LOCK			NON–LOCK			NON–LOCK			NON–LOCK			NON–LOCK			NON–LOCK			
RECALL			OFF			MIN–ON			OFF			OFF			OFF			MIN–ON			OFF			MIN–ON			
			ø1			ø2			ø3			ø4			ø5			ø6			ø7			ø8			

NOTES:
1. FLASHING OPERATION PER M.U.T.C.D. SECTION 4B–18.
2. PED. W/FDW UPON PUSHBUTTON ACTUATION ONLY.

DETECTOR DATA							
DETECTOR NO.	NO. SECTION/ SIZE	RELAY NUMBER	SLOT	DELAY (SEC)	CALL PHASE	REMARKS
1	1–6'x40'	1	2	3	ø1	PROPOSED
2	1–6'x40'	1	2	3	ø6	PROPOSED
3	1–6'x40'	1	2	3	ø6	PROPOSED
4	1–6'x6'	1	2	–	SYSTEM DETECTOR	PROPOSED
5	1–6'x40'	2	4	3	ø2	PROPOSED
6	1–6'x40'	2	4	3	ø2	PROPOSED
7	1–6'x40'	2	4	3	ø5	PROPOSED
8	1–6'x6'	2	4	–	SYSTEM DETECTOR	PROPOSED
9	1–6'x40'	3	6	3	ø7	PROPOSED
10	1–6'x40'	3	6	3	ø4	PROPOSED
11	1–6'x40'	3	6	3	ø4	PROPOSED
12	1–6'x6'	3	6	–	SYSTEM DETECTOR	PROPOSED
13	1–6'x40'	4	8	3	ø8	PROPOSED
14	1–6'x40'	4	8	3	ø8	PROPOSED
15	1–6'x40'	4	8	3	ø3	PROPOSED
16	1–6'x6'	4	8	–	SYSTEM DETECTOR	PROPOSED

COORDINATION DATA MAXIMUM PHASE TIME IN SECONDS											
SPLIT	ø1	ø2	ø3	ø4	ø5	ø6	ø7	ø8	OFFSET	CYCLE LENGTH
CYCLE 1	13	31	13	33	22	22	18	28	0	90
CYCLE 2	14	35	24	27	20	29	20	31	0	100
CYCLE 3	18	30	24	28	16	32	17	35	0	100

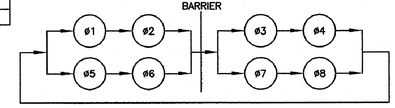
CYCLE 1	– MON–FRI 6:00 AM TO 10:00 AM
CYCLE 2	– MON–FRI 10:00 AM TO 2:30 PM
CYCLE 3	– MON–FRI 2:30 PM TO 7:00 PM
FREE	– ALL OTHER TIME PERIODS

NOTE: THE COORDINATED PHASES ARE ø2 AND ø6 FOR ALL CYCLES.

FEB 10 2020
Office of Water Resources

NOTES:
1. TRAFFIC DETECTOR LOOPS #9–15 SHALL BE INSTALLED SUCH THAT THEY ARE OFF CENTER OF THE EXISTING LOOP(S). THE CABLE ASSOCIATED WITH THESE EXISTING LOOPS SHALL BE DISCONNECTED AND REMOVED.
2. SIGNAL CONTROLLER AND RELATED CABINET EQUIPMENT MUST BE COMPATIBLE WITH THE EAGLE ACTRA CLOSED LOOP SOFTWARE UTILIZED TO MONITOR SYSTEM OPERATION.
3. WHERE THERE ARE MULTIPLE CONDUITS IN THE SAME LOCATION, THE CONDUITS SHALL BE STACKED VERTICALLY IN THE SAME TRENCH IN ORDER TO MINIMIZE THE TOTAL AREA OF DISTURBANCE. POWER CABLE AND INTERCONNECT CABLE SHALL ALWAYS BE PLACED IN ITS OWN CONDUIT.
4. THE 2 INCH PVC CONDUIT INSTALLED FOR THE TELEPHONE DROP SHALL BE EXTENDED 1 FOOT UP THE RISER POLE AND A PULL WIRE SHALL BE PROVIDED IN THE CONDUIT.

PHASE SEQUENCE DIAGRAM



TRAFFIC SIGNAL NO. 021

RHODE ISLAND DEPARTMENT OF TRANSPORTATION TRAFFIC MANAGEMENT
APPROVED
DATE: MAR 10 2020
NO CHANGE TO BE MADE WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
19-0295

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

JOHN P. SHEVLIN
No. 6358
REGISTERED PROFESSIONAL ENGINEER
12.23.19

REVISIONS:		
1	2-7-20	RIDEM COMMENTS

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	
DESIGNED BY:	VAH/LM
CHECKED BY:	DLP
DRAWN BY:	AKL
APPROVED BY:	DLP

DRAWING TITLE:
TRAFFIC SIGNAL PLAN

DRAWING NO.:
C8.2

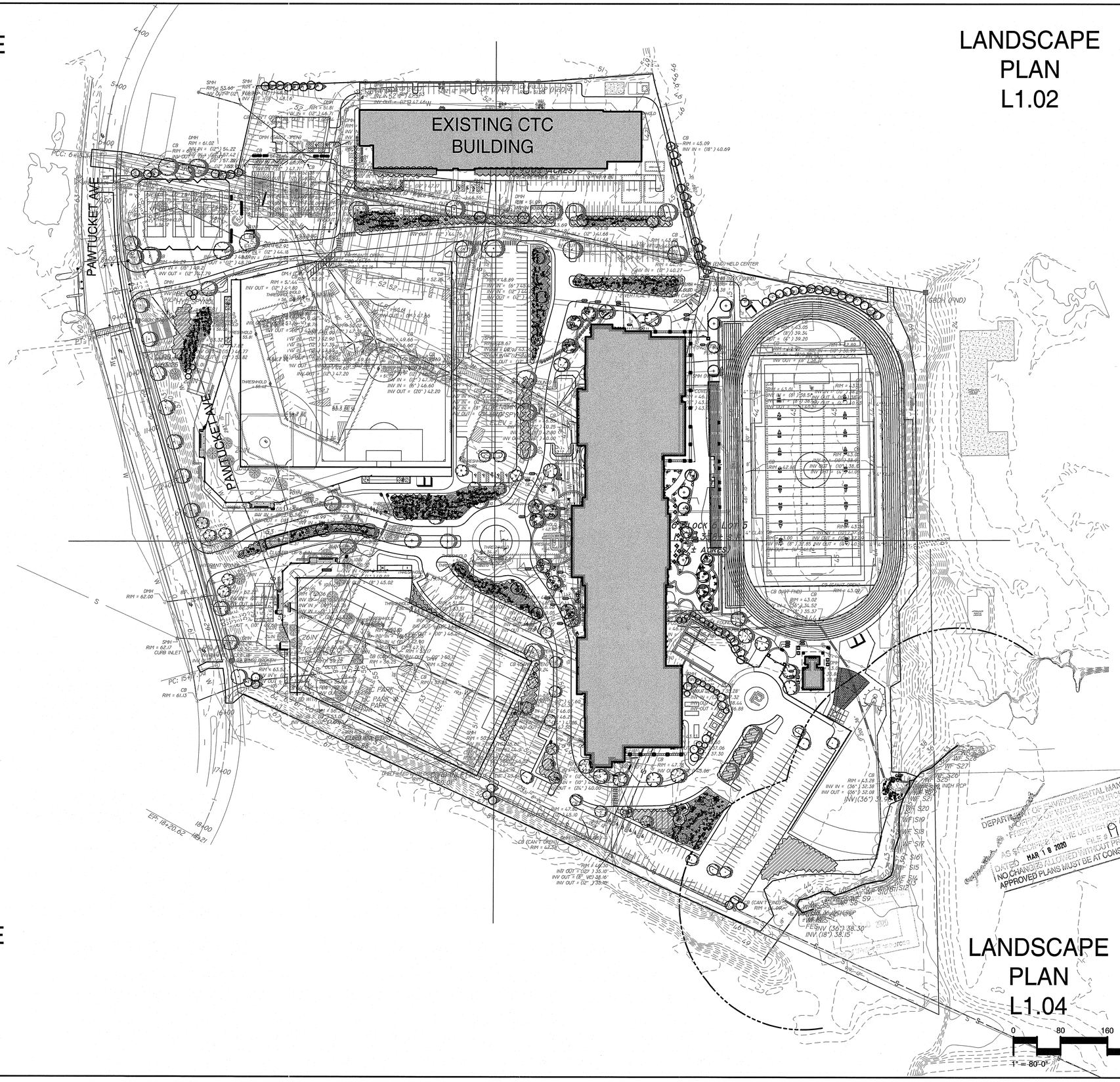
SHEET NO. 58 OF 65

LANDSCAPE
PLAN
L1.01

LANDSCAPE
PLAN
L1.02

LANDSCAPE
PLAN
L1.03

LANDSCAPE
PLAN
L1.04



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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

REGISTERED LANDSCAPE ARCHITECT
DAVID J. LEDOUX
No. 432

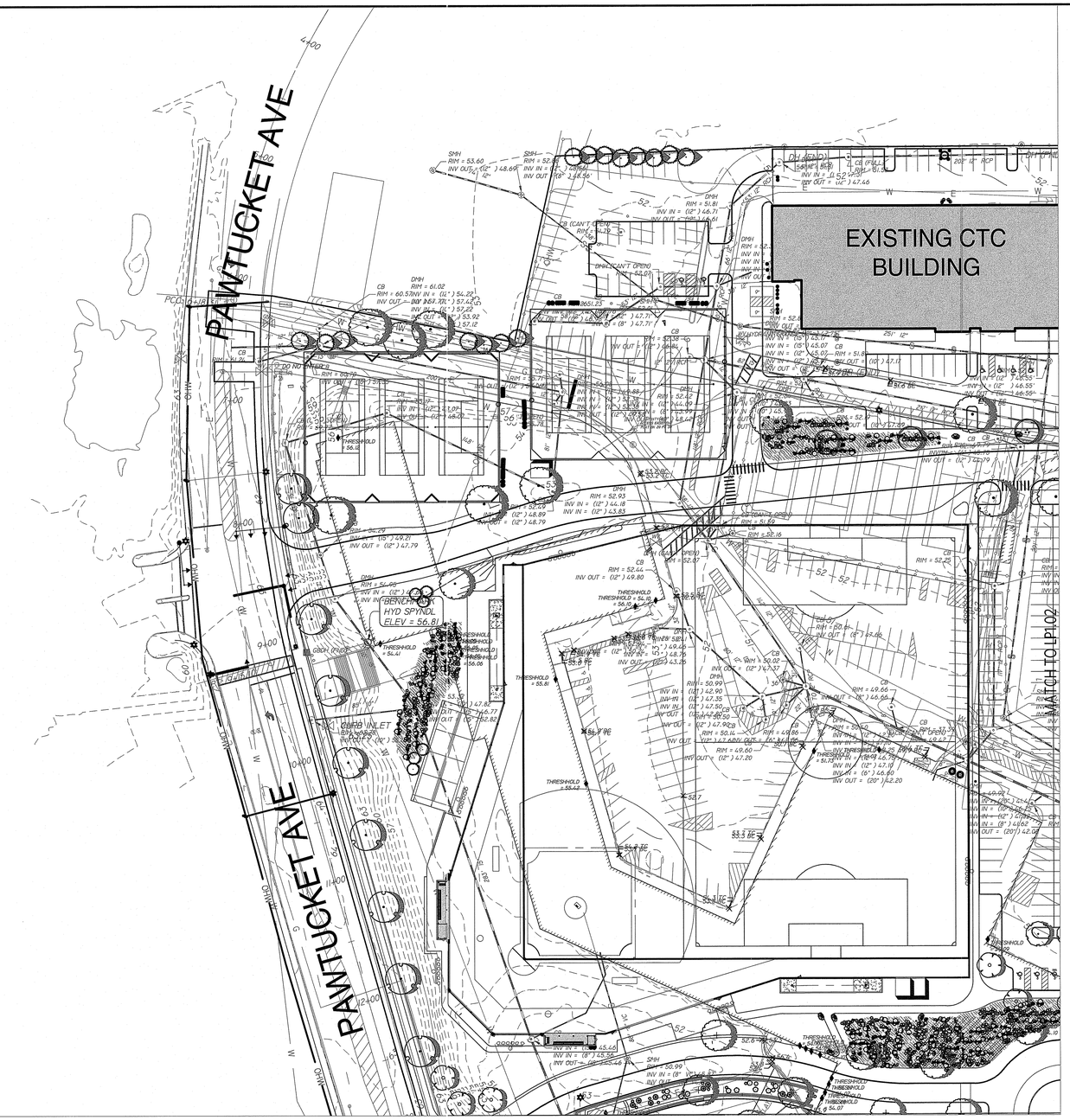
REVISIONS:

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=80'-0"
DESIGNED BY:	AE
CHECKED BY:	AE
DRAWN BY:	DP
APPROVED BY:	AE

DRAWING TITLE:
OVERALL
LANDSCAPE
PLAN

DRAWING NO.:
LP1.00

SHEET NO. 59 OF 65



PLANT SCHEDULE LANDSCAPE PLAN 1

TREES	BOTANICAL / COMMON NAME	CONT	CAL.	SIZE	QTY
	Acer rubrum October Glory / October Glory Red Maple	B&B	2.5"-3" Cal.		10
	Amelanchier canadensis `Autumn Brilliance` / Autumn Brilliance Serviceberry	Cont.			5
	Betula populifolia `Whitespire` / Whitespire Birch Multistem	6/7' B&B			3
	Juniperus virginiana `Canaerti` / Canaerti Juniper	B&B		6/7'	6
	Picea pungens `Fat Albert` / Colorado Spruce	B&B		5/6'	15
	Quercus palustris / Pin Oak	B&B	2.5"-3" Cal.		9
	Tilia cordata `Halka` / Summer Sprite Linden	B&B	2"-2.5" Cal.		1
	Ulmus americana `Princeton` / American Elm	B & B	3.5"Cal		9

SHRUBS	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
	Aronia melanocarpa `Autumn Magic` / Autumn Magic Black Chokeberry	#3		136
	Clethra alnifolia / Summersweet Clethra	#3		34
	Clethra alnifolia / Ruby Spice Clethra	3 gal		70
	Cornus sericea `Artic Fire` / Artic Fire Dogwood	3 gal		37
	Cornus sericea `Kelseyi` / Kelseyi Dogwood	#3		51
	Eragrostis spectabilis / Purple Love Grass	1 Gal		314
	Eragrostis spectabilis / Purple Love Grass	Plug		317
	Gaylussacia baccata / Black Huckleberry	#1		139
	Hydrangea arborescens `Annabelle` / Smooth Hydrangea	#5		39
	Ilex verticillata `Red Sprite` / Red Sprite Winterberry	#3		47
	Itea virginica `Merlot` / Merlot Sweetspire	#3		15
	Kalmia latifolia `Olympic Fire` / Olympic Fire Mountain Laurel	#5		10
	Pennisetum alopecuroides `Little Bunny` / Little Bunny Fountain Grass	1 gal		185
	Pennisetum alopecuroides `Little Bunny` / Little Bunny Fountain Grass	Plug		279
	Pennisetum orientale `Karley Rose` / Karley Rose Fountain Grass	#1		83
	Pennisetum orientale `Karley Rose` / Karley Rose Fountain Grass	Plug		240
	Rhododendron viscosum / Swamp Azalea	3 gal		38
	Rhododendron x `Boule De Nelge` / Boule De Nelge Rhododendron	3 gal		9
	Rudbeckia fulgida`Goldstrum` / Coneflower	#1		338
	Rudbeckia fulgida`Goldstrum` / Coneflower	Plug		272
	Schizachyrium scoparium / Little Bluestem Grass	1 gal		39
	Schizachyrium scoparium / Little Bluestem Grass	Plug		374
	Solidago sempervirens / Seaside Goldenrod	1 Gal		214
	Solidago sempervirens / Seaside Goldenrod	Plug		108

GROUND COVERS	BOTANICAL / COMMON NAME	CONT	SPACING	SPACING	QTY
	- - / NEW ENGLAND WETLAND SEED MIX	seed			7,404 sf

Environmental Management
FEB 10 2020
Office of Water Resources

MAR 18 2020

19-0295
NO GRADING OR CONSTRUCTION ACTIVITY SHALL COMMENCE UNTIL APPROVED PLANS ARE AT CONSTRUCTION SITE

GENERAL NOTES:

1. ALL PLANT MATERIAL MUST BE TAGGED IN THE GROUND, AT THE NURSERY BY THE LANDSCAPE ARCHITECT. ALL PLANT MATERIAL SHALL BE COMMERCIALLY OBTAINED AND SHALL MEET THE AMERICAN ASSOCIATION OF NURSERYMAN STANDARDS FOR NURSERY STOCK, LATEST EDITION, AND ITS AMENDMENTS. PLANT ONLY DURING SEASON NORMAL TO THE PARTICULAR VARIETY. ALL PLANT INSPECTIONS WILL BE AT THE EXPENSE OF THE CONTRACTOR. PERMANENT SEALS WILL BE REQUIRED.
2. PLANTING BEDS SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 12" AND NEW LAOM AND COMPOST (50/50 MIX) SHALL BE INCORPORATED INTO THE PLANTING BED TO MEET SURROUNDING GRADES UNLESS OTHERWISE NOTED OR DETAILED. COVER ALL PLANTING BEDS WITH 3" SHREDDED HARDWOOD BARK MULCH WITHIN A SEVENTY-TWO HOUR PERIOD AFTER PLANTING. SEE PLAN FOR BED LAYOUT.
3. ALL EXISTING AND PROPOSED TREES SHOWN IN LAWN AREAS SHALL RECEIVE A 5' DIAMETER MULCH BED. MULCH SHALL BE PLACED TO A DEPTH OF 3". REMOVE ALL SOD, ROOTS, STICKS AND STONES PRIOR TO PLACEMENT OF MULCH.
4. ALL PLANT MATERIALS FURNISHED BY THE CONTRACTOR SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE OF LANDSCAPE WORK.
5. STAKE ALL TREES OVER 5' AS SHOWN ON DETAILS. REMOVE STAKES AT THE END OF THE GUARANTEE PERIOD.
6. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE SITE CLEAN OF MISCELLANEOUS DEBRIS THROUGHOUT THE CONSTRUCTION PERIOD. ALL WASTE MATERIAL IS TO BE DISPOSED OF IMMEDIATELY TO AN OFF-SITE LOCATION, UNLESS OTHERWISE INDICATED ON THE PLANS.
7. THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS, AND SHALL OBTAIN ALL NECESSARY PERMITS FOR THIS PROJECT.
8. LOAM: LOAM MOVED DURING THE COURSE OF CONSTRUCTION SHALL BE RETAINED AND DISTRIBUTED WITHIN THE SITE IN ACCORDANCE WITH THE LANDSCAPE PLAN. STOCKPILED LOAM SHALL NOT BE MIXED WITH ANY SUBSOIL, NOXIOUS WEEDS OR UNSUITABLE MATERIALS. ALL EXCESS LOAM SHALL REMAIN ON THE PROPERTY OF THE OWNER. NEW LOAM IF REQUIRED TO PROVIDE THE SPECIFIED DEPTH, SHALL BE A FERTILE, FRIABLE MEDIUM TEXTURED SANDY LOAM FREE OF MATERIAL TOXIC TO HEALTHY PLANT GROWTH. LOAM SHALL ALSO BE FREE OF ALL STUMPS, ROOTS, STONES AND OTHER EXTRANEOUS MATTER AN INCH (1") OR GREATER IN DIAMETER. THE PH SHALL BE BETWEEN 6.5 AND 7.5. ORGANIC CONTENT SHALL BE A MINIMUM OF 5%.
9. LAWN PREPARATION: REMOVE ALL DEBRIS AND OTHER INORGANIC MATERIALS ON THE PREPARED SUBGRADE, RESHAPE AND DRESS ANY DAMAGED OR ERODED AREA PRIOR TO SPREADING THE LOAM. SCARIFY AND LOOSEN SUBGRADE IN ANY AREAS WHERE COMPACTION MAY HAVE OCCURRED. SPREAD STOCKPILED AND OFF-SITE LOAM ON ALL DISTURBED AREAS TO PRODUCE A DEPTH OF 4" UNLESS OTHERWISE NOTED ON THE PLANS. FINE GRADE LOAMED AREAS TO PRODUCE A SMOOTH AND UNBROKEN FINISH GRADE TO THE REQUIRED DEPTH. APPLY A STARTER FERTILIZER (10-20-10) AT A RATE OF 20 LBS. PER 1000 SQUARE FEET AND LIME AT A RATE OF 40 LBS. PER 1000 SQUARE FEET UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS. ONCE SPREAD, THE FERTILIZER AND LIME SHALL BE THOROUGHLY INCORPORATED INTO THE LOAM. THE LOAM SHALL BE ROLLED, AND DEPRESSION SHALL BE TOP DRESSED AND RAKED TO CREATE A SMOOTH SURFACE.
10. SEEDING: SEEDING SHALL TAKE PLACE BETWEEN MARCH 15 AND MAY 31 OR AUGUST 15 AND OCTOBER 15 ONLY. SEED SHALL BE PURE, LIVE, FRESH SEED FROM COMMERCIAL SOURCES MEETING AND LABELED IN ACCORDANCE WITH STATE AND FEDERAL RULES AND REGULATIONS. THE SEED MIXTURE SHALL BE AS NOTED ON THIS SHEET. SEEDED AREAS SHALL, AT A MINIMUM, INCLUDE ALL AREAS OF THE SITE THAT HAVE BEEN DISTURBED OR ARE BARREN UNLESS OTHERWISE NOTED ON THE PLANS. SEED SHALL BE APPLIED AT THE RATES INDICATED PER SEED MIX.
11. PROTECTION OF EXISTING PLANTINGS: MAXIMUM EFFORT SHOULD BE MADE TO SAVE TREE OR OTHER PLANT SPECIMENS WHICH ARE LARGE FOR THEIR SPECIES, RARE TO THE AREA, OR OF SPECIAL HORTICULTURAL OR LANDSCAPE VALUE. CONTACT OWNER/LANDSCAPE ARCHITECT BEFORE REMOVING ANY SPECIMEN OF THIS TYPE UNLESS OTHERWISE NOTED ON THE PLANS. NO MATERIAL OR TEMPORARY SOIL DEPOSITS SHALL BE PLACED WITHIN THE DRIP LINE OF SHRUBS OR TREES DESIGNATED ON THE LANDSCAPE PLAN TO BE RETAINED. PROTECTIVE BARRIERS ARE TO BE INSTALLED AROUND EACH PLANT AND/OR GROUP OF PLANTS THAT ARE TO REMAIN ON THE SITE. BARRIERS SHALL NOT BE SUPPORTED BY THE PLANTS THEY ARE PROTECTING, BUT SHALL BE SELF SUPPORTING. THEY SHALL BE OF MINIMUM OF FOUR FEET (4') HIGH AND CONSTRUCTED OF A DURABLE MATERIAL, SUCH AS SNOW OR SILT FENCE, THAT WILL LAST UNTIL CONSTRUCTION IS COMPLETED.
12. PRUNING: THE CONTRACTOR SHALL EMPLOY A CERTIFIED ARBORIST TO PRUNE ANY EXISTING ROOTS OR BRANCHES CAREFULLY PRUNE BRANCHES IN THE WAY OF CONSTRUCTION BY USING ONLY APPROVED METHODS AND TOOLS. THE USE OF AXES FOR TRIMMING OR SPURS FOR CLIMBING WILL NOT BE PERMITTED.
13. EXISTING UTILITIES: IN ACCORDANCE WITH DIG-SAFE LAW (1-800-225-4977), THE CONTRACTOR SHALL CONTACT ALL APPLICABLE UTILITY COMPANIES AND VERIFY UTILITY LINE LOCATIONS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY/ALL UTILITY DAMAGE. RECORD LOCATIONS OF DIG-SAFE UTILITY LINE MARKINGS ON PROJECT RECORD DOCUMENTS.
14. DISTURBED AREAS: ANY AREAS DISTURBED DURING THE COURSE OF CONSTRUCTION ARE TO BE RESTORED TO ORIGINAL (OR BETTER) CONDITION BY CONTRACTOR BEFORE COMPLETION OF THE PROJECT, AND ARE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT AND OWNER. ALL GRASS AREAS DISTURBED DURING CONSTRUCTION SHALL BE YORK RAKED TO REMOVE STONES AND LOAMED AND SEEDED AS PER SPECIFICATIONS.
15. LAYOUT: ALL NOTES AND DIMENSIONS ARE TYPICAL UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE SQUARE (PARALLEL OR PERPENDICULAR) UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL NOTIFY THE OWNER/OWNER'S REPRESENTATIVE IMMEDIATELY IN THE EVENT OF ANY DISCREPANCIES FOUND IN THE CONTRACT DOCUMENTS AND/OR IN THE FIELD, OR OF CONDITIONS UNCOVERED IN THE WORK WHICH ARE NOT REFLECTED IN THE PLANS.
16. DRAINAGE SYSTEMS: CONTRACTOR IS RESPONSIBLE FOR GENERAL CLEAN-OUT OF ALL CATCH BASINS, MANHOLES, AND/OR OTHER DRAINAGE FEATURES ON THE SITE WHICH HAVE ACCUMULATED SEDIMENT AS A RESULT OF CONSTRUCTION ACTIVITIES.
17. CLEANING: CONTRACTOR IS RESPONSIBLE FOR KEEPING SITE CLEAN OF MISCELLANEOUS DEBRIS THROUGHOUT THE CONSTRUCTION PERIOD. ALL WASTE MATERIAL IS TO BE DISPOSED OF IMMEDIATELY TO AN OFF-SITE LOCATION, UNLESS OTHERWISE INDICATED ON THE PLAN.

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

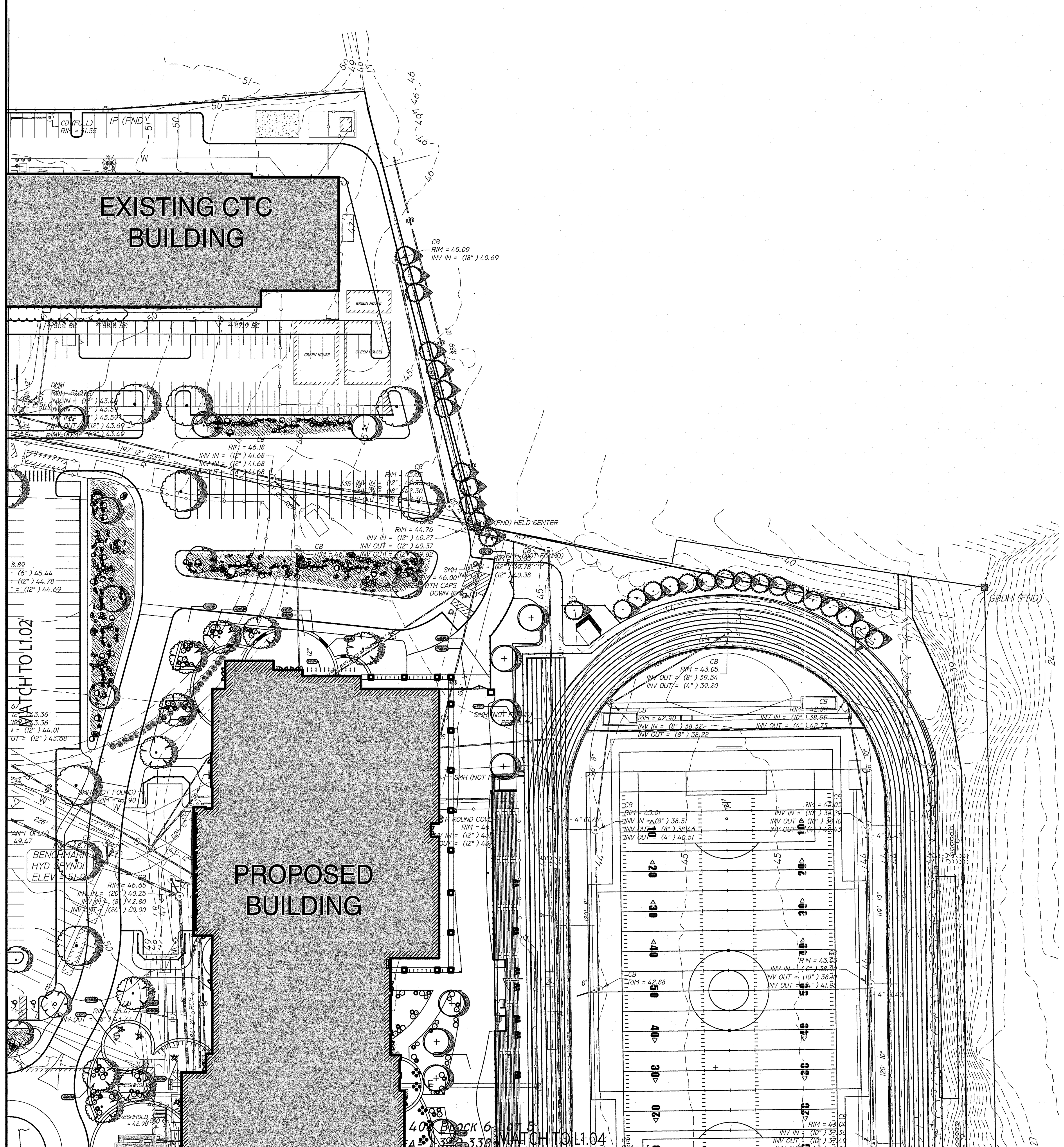
REGISTERED LANDSCAPE ARCHITECT
ANTHONY EDDY
No. 432

REVISIONS:

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=50'-0"
DESIGNED BY:	AE
CHECKED BY:	AE
DRAWN BY:	DP
APPROVED BY:	AE

DRAWING TITLE:
LANDSCAPE PLAN 1

DRAWING NO.:
LP1.01
SHEET NO. 60 OF 65



PLANT SCHEDULE LANDSCAPE PLAN 2

TREES	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	QTY
	Acer rubrum October Glory / October Glory Red Maple	B&B	2.5"-3" Cal.		8
	Amelanchier canadensis \`Autumn Brilliance\` / Autumn Brilliance Serviceberry	Cont.			6
	Betula populifolia \`Whitespire\` / Whitespire Birch Multistem	6/7\` B&B			6
	Betula populifolia \`Whitespire\` / Whitespire Birch	6/7\` B&B			8
	Cornus florida \`Cherokee Brave\` / Cherokee Brave Dogwood Specimen	B&B		5/6\`	10
	Picea pungens \`Fat Albert\` / Colorado Spruce	B&B		5/6\`	29
	Tilia cordata \`Halka\` / Summer Sprite Linden	B&B	2"-2.5" Cal.		1

SHRUBS	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
	Aronia melanocarpa \`Autumn Magic\` / Autumn Magic Black Chokeberry	#3		65
	Clethra alnifolia / Summersweet Clethra	#3		18
	Clethra alnifolia / Ruby Spice Clethra	3 gal		37
	Cornus sericea \`Artic Fire\` / Artic Fire Dogwood	3 gal		13
	Cornus sericea \`Kelseyi\` / Kelseyi Dogwood	#3		24
	Eragrostis spectabilis / Purple Love Grass	1 Gal		161
	Eragrostis spectabilis / Purple Love Grass	Plug		175
	Gaylussacia baccata / Black Huckleberry	#1		67
	Hydrangea arborescens \`Annabelle\` / Smooth Hydrangea	#5		19
	Ilex verticillata \`Red Sprite\` / Red Sprite Winterberry	#3		22
	Pennisetum alopecuroides \`Little Bunny\` / Little Bunny Fountain Grass	1 gal		91
	Pennisetum alopecuroides \`Little Bunny\` / Little Bunny Fountain Grass	Plug		159
	Pennisetum orientale \`Karley Rose\` / Karley Rose Fountain Grass	#1		40
	Pennisetum orientale \`Karley Rose\` / Karley Rose Fountain Grass	Plug		118
	Prunus laurocerasus \`Otto Luyken\` / Luykens Laurel	3 gal		39
	Rhododendron viscosum / Swamp Azalea	3 gal		17
	Rhododendron x \`Roseum Elegans\` / Rhododendron	3 gal		44
	Rudbeckia fulgida\`Goldstrum\` / Coneflower	#1		158
	Rudbeckia fulgida\`Goldstrum\` / Coneflower	Plug		130
	Schizachyrium scoparium / Little Bluestem Grass	1 gal		20
	Schizachyrium scoparium / Little Bluestem Grass	Plug		173
	Solidago sempervirens / Seaside Goldenrod	1 Gal		104
	Solidago sempervirens / Seaside Goldenrod	Plug		67

GROUND COVERS	BOTANICAL / COMMON NAME	CONT	SPACING	SPACING	QTY
	- - / NEW ENGLAND WETLAND SEED MIX	seed			6,545 sf

Environmental Management
FEB 10 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 MAR 18 2020 FILE # 19-0295
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

0 50 100 150 200 feet
1" = 50'

GENERAL NOTES:

1. ALL PLANT MATERIAL MUST BE TAGGED IN THE GROUND, AT THE NURSERY BY THE LANDSCAPE ARCHITECT. ALL PLANT MATERIAL SHALL BE COMMERCIALLY OBTAINED AND SHALL MEET THE AMERICAN ASSOCIATION OF NURSERYMAN STANDARDS FOR NURSERY STOCK, LATEST EDITION, AND ITS AMENDMENTS. PLANT ONLY DURING SEASON NORMAL TO THE PARTICULAR VARIETY. ALL PLANT INSPECTIONS WILL BE AT THE EXPENSE OF THE CONTRACTOR. PERMANENT SEALS WILL BE REQUIRED.

2. PLANTING BEDS SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 12" AND NEW LAOM AND COMPOST (50/50 MIX) SHALL BE INCORPORATED INTO THE PLANTING BED TO MEET SURROUNDING GRADES UNLESS OTHERWISE NOTED OR DETAILED. COVER ALL PLANTING BEDS WITH 3" SHREDDED HARDWOOD BARK MULCH WITHIN A SEVENTY-TWO HOUR PERIOD AFTER PLANTING. SEE PLAN FOR BED LAYOUT.

3. ALL EXISTING AND PROPOSED TREES SHOWN IN LAWN AREAS SHALL RECEIVE A 5' DIAMETER MULCH BED. MULCH SHALL BE PLACED TO A DEPTH OF 3". REMOVE ALL SOD, ROOTS, STICKS AND STONES PRIOR TO PLACEMENT OF MULCH.

4. ALL PLANT MATERIALS FURNISHED BY THE CONTRACTOR SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE OF LANDSCAPE WORK.

5. STAKE ALL TREES OVER 5' AS SHOWN ON DETAILS. REMOVE STAKES AT THE END OF THE GUARANTEE PERIOD.

6. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE SITE CLEAN OF MISCELLANEOUS DEBRIS THROUGHOUT THE CONSTRUCTION PERIOD. ALL WASTE MATERIAL IS TO BE DISPOSED OF IMMEDIATELY TO AN OFF-SITE LOCATION, UNLESS OTHERWISE INDICATED ON THE PLANS.

7. THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS, AND SHALL OBTAIN ALL NECESSARY PERMITS FOR THIS PROJECT.

8. LOAM: LOAM MOVED DURING THE COURSE OF CONSTRUCTION SHALL BE RETAINED AND DISTRIBUTED WITHIN THE SITE IN ACCORDANCE WITH THE LANDSCAPE PLAN. STOCKPILED LOAM SHALL NOT BE MIXED WITH ANY SUBSOIL, NOXIOUS WEEDS OR UNSUITABLE MATERIALS. ALL EXCESS LOAM SHALL REMAIN ON THE PROPERTY OF THE OWNER. NEW LOAM IF REQUIRED TO PROVIDE THE SPECIFIED DEPTH, SHALL BE A FERTILE, FRIABLE MEDIUM TEXTURED SANDY LOAM FREE OF MATERIAL TOXIC TO HEALTHY PLANT GROWTH. LOAM SHALL ALSO BE FREE OF ALL STUMPS, ROOTS, STONES AND OTHER EXTRANEOUS MATTER AN INCH (1") OR GREATER IN DIAMETER. THE PH SHALL BE BETWEEN 6.5 AND 7.5. ORGANIC CONTENT SHALL BE A MINIMUM OF 5%.

9. LAWN PREPARATION: REMOVE ALL DEBRIS AND OTHER INORGANIC MATERIALS ON THE PREPARED SUBGRADE, RESHAPE AND DRESS ANY DAMAGED OR ERODED AREA PRIOR TO SPREADING THE LOAM. SCARIFY AND LOOSEN SUBGRADE IN ANY AREAS WHERE COMPACTION MAY HAVE OCCURRED. SPREAD STOCKPILED AND OFF-SITE LOAM ON ALL DISTURBED AREAS TO PRODUCE A DEPTH OF 4" UNLESS OTHERWISE NOTED ON THE PLANS. FINE GRADE LOAMED AREAS TO PRODUCE A SMOOTH AND UNBROKEN FINISH GRADE TO THE REQUIRED DEPTH. APPLY A STARTER FERTILIZER (10-20-10) AT A RATE OF 20 LBS. PER 1000 SQUARE FEET AND LIME AT A RATE OF 40 LBS. PER 1000 SQUARE FEET UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS. ONCE SPREAD, THE FERTILIZER AND LIME SHALL BE THOROUGHLY INCORPORATED INTO THE LOAM. THE LOAM SHALL BE ROLLED, AND DEPRESSION SHALL BE TOP DRESSED AND RAKED TO CREATE A SMOOTH SURFACE.

10. SEEDING: SEEDING SHALL TAKE PLACE BETWEEN MARCH 15 AND MAY 31 OR AUGUST 15 AND OCTOBER 15 ONLY. SEED SHALL BE PURE, LIVE, FRESH SEED FROM COMMERCIAL SOURCES MEETING AND LABELED IN ACCORDANCE WITH STATE AND FEDERAL RULES AND REGULATIONS. THE SEED MIXTURE SHALL BE AS NOTED ON THIS SHEET. SEEDED AREAS SHALL, AT A MINIMUM, INCLUDE ALL AREAS OF THE SITE THAT HAVE BEEN DISTURBED OR ARE BARREN UNLESS OTHERWISE NOTED ON THE PLANS. SEED SHALL BE APPLIED AT THE RATES INDICATED PER SEED MIX.

11. PROTECTION OF EXISTING PLANTINGS: MAXIMUM EFFORT SHOULD BE MADE TO SAVE TREE OR OTHER PLANT SPECIMENS WHICH ARE LARGE FOR THEIR SPECIES, RARE TO THE AREA, OR OF SPECIAL HORTICULTURAL OR LANDSCAPE VALUE. CONTACT OWNER/LANDSCAPE ARCHITECT BEFORE REMOVING ANY SPECIMEN OF THIS TYPE UNLESS OTHERWISE NOTED ON THE PLANS. NO MATERIAL OR TEMPORARY SOIL DEPOSITS SHALL BE PLACED WITHIN THE DRIP LINE OF SHRUBS OR TREES DESIGNATED ON THE LANDSCAPE PLAN TO BE RETAINED. PROTECTIVE BARRIERS ARE TO BE INSTALLED AROUND EACH PLANT AND/OR GROUP OF PLANTS THAT ARE TO REMAIN ON THE SITE. BARRIERS SHALL NOT BE SUPPORTED BY THE PLANTS THEY ARE PROTECTING, BUT SHALL BE SELF SUPPORTING. THEY SHALL BE OF MINIMUM OF FOUR FEET (4') HIGH AND CONSTRUCTED OF A DURABLE MATERIAL, SUCH AS SNOW OR SILT FENCE, THAT WILL LAST UNTIL CONSTRUCTION IS COMPLETED.

12. PRUNING: THE CONTRACTOR SHALL EMPLOY A CERTIFIED ARBORIST TO PRUNE ANY EXISTING ROOTS OR BRANCHES CAREFULLY PRUNE BRANCHES IN THE WAY OF CONSTRUCTION BY USING ONLY APPROVED METHODS AND TOOLS. THE USE OF AXES FOR TRIMMING OR SPURS FOR CLIMBING WILL NOT BE PERMITTED.

13. EXISTING UTILITIES: IN ACCORDANCE WITH DIG-SAFE LAW (1-800-225-4977), THE CONTRACTOR SHALL CONTACT ALL APPLICABLE UTILITY COMPANIES AND VERIFY UTILITY LINE LOCATIONS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY/ALL UTILITY DAMAGE. RECORD LOCATIONS OF DIG-SAFE UTILITY LINE MARKINGS ON PROJECT RECORD DOCUMENTS.

14. DISTURBED AREAS: ANY AREAS DISTURBED DURING THE COURSE OF CONSTRUCTION ARE TO BE RESTORED TO ORIGINAL (OR BETTER) CONDITION BY CONTRACTOR BEFORE COMPLETION OF THE PROJECT, AND ARE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT AND OWNER. ALL GRASS AREAS DISTURBED DURING CONSTRUCTION SHALL BE YORK RAKED TO REMOVE STONES AND LOAMED AND SEEDED AS PER SPECIFICATIONS.

15. LAYOUT: ALL NOTES AND DIMENSIONS ARE TYPICAL UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE SQUARE (PARALLEL OR PERPENDICULAR) UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL NOTIFY THE OWNER/OWNER'S REPRESENTATIVE IMMEDIATELY IN THE EVENT OF ANY DISCREPANCIES FOUND IN THE CONTRACT DOCUMENTS AND/OR IN THE FIELD, OR OF CONDITIONS UNCOVERED IN THE WORK WHICH ARE NOT REFLECTED IN THE PLANS.

16. DRAINAGE SYSTEMS: CONTRACTOR IS RESPONSIBLE FOR GENERAL CLEAN-OUT OF ALL CATCH BASINS, MANHOLES, AND/OR OTHER DRAINAGE FEATURES ON THE SITE WHICH HAVE ACCUMULATED SEDIMENT AS A RESULT OF CONSTRUCTION ACTIVITIES.

17. CLEANING: CONTRACTOR IS RESPONSIBLE FOR KEEPING SITE CLEAN OF MISCELLANEOUS DEBRIS THROUGHOUT THE CONSTRUCTION PERIOD. ALL WASTE MATERIAL IS TO BE DISPOSED OF IMMEDIATELY TO AN OFF-SITE LOCATION, UNLESS OTHERWISE INDICATED ON THE PLAN.

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

REGISTERED LANDSCAPE ARCHITECT
ARTHUR J EDDY
No. 432

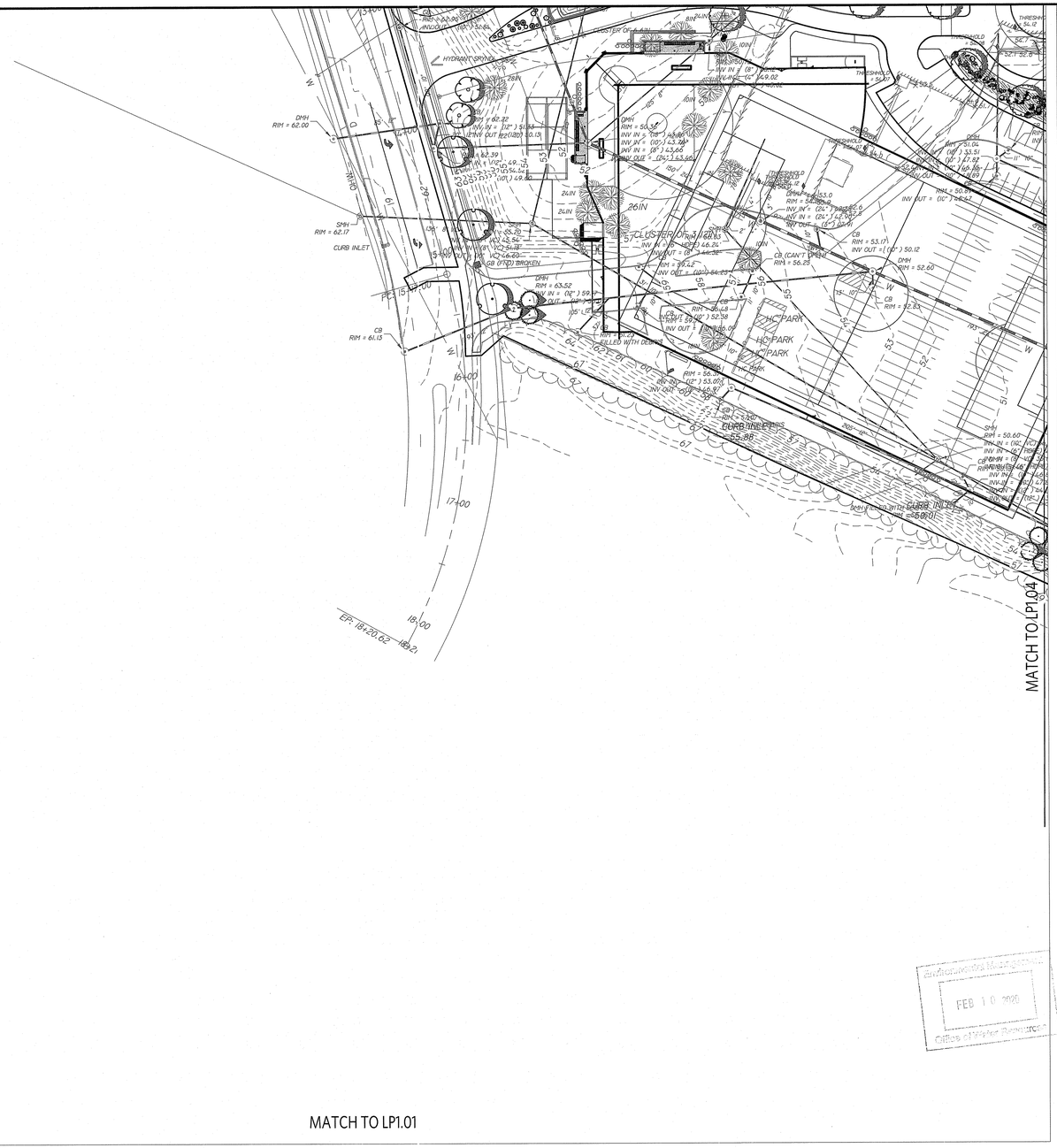
REVISIONS:

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=50'-0"
DESIGNED BY:	AE
CHECKED BY:	AE
DRAWN BY:	DP
APPROVED BY:	AE

DRAWING TITLE:
LANDSCAPE PLAN 2

DRAWING NO.:
LP1.02

SHEET NO. 61 OF 65



PLANT SCHEDULE LANDSCAPE PLAN 3

TREES	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	QTY
	Amelanchier canadensis 'Autumn Brilliance' / Autumn Brilliance Serviceberry	Cont.			2
	Picea pungens 'Fat Albert' / Colorado Spruce	B&B		5/6'	6
	Quercus palustris / Pin Oak	B&B	2.5"-3" Cal.		3
	Ulmus americana 'Princeton' / American Elm	B & B	3.5"Cal		3

SHRUBS	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
	Aronia melanocarpa 'Autumn Magic' / Autumn Magic Black Chokeberry	#3		14
	Clethra alnifolia / Summersweet Clethra	#3		3
	Clethra alnifolia / Ruby Spice Clethra	3 gal		6
	Cornus sericea 'Artic Fire' / Artic Fire Dogwood	3 gal		4
	Cornus sericea 'Kelseyi' / Kelseyi Dogwood	#3		4
	Eragrostis spectabilis / Purple Love Grass	1 Gal		30
	Eragrostis spectabilis / Purple Love Grass	Plug		28
	Gaylussacia baccata / Black Huckleberry	#1		20
	Hydrangea arborescens 'Annabelle' / Smooth Hydrangea	#5		2
	Ilex verticillata 'Red Sprite' / Red Sprite Winterberry	#3		4
	Itea virginica 'Merlot' / Merlot Sweetspire	#3		7
	Kalmia latifolia 'Olympic Fire' / Olympic Fire Mountain Laurel	#5		3
	Pennisetum alopecuroides 'Little Bunny' / Little Bunny Fountain Grass	1 gal		13
	Pennisetum alopecuroides 'Little Bunny' / Little Bunny Fountain Grass	Plug		33
	Pennisetum orientale 'Karley Rose' / Karley Rose Fountain Grass	#1		8
	Pennisetum orientale 'Karley Rose' / Karley Rose Fountain Grass	Plug		29
	Rhododendron viscosum / Swamp Azalea	3 gal		2
	Rhododendron x 'Boule De Neige' / Boule De Neige Rhododendron	3 gal		4
	Rudbeckia fulgida'Goldstrum' / Coneflower	#1		25
	Rudbeckia fulgida'Goldstrum' / Coneflower	Plug		23
	Schizachyrium scoparium / Little Bluestem Grass	1 gal		3
	Schizachyrium scoparium / Little Bluestem Grass	Plug		30
	Solidago sempervirens / Seaside Goldenrod	1 Gal		15
	Solidago sempervirens / Seaside Goldenrod	Plug		13

GROUND COVERS	BOTANICAL / COMMON NAME	CONT	SPACING	SPACING	QTY
	- - / NEW ENGLAND WETLAND SEED MIX	seed			662 sf

FEB 10 2020
Conservation Commission
Office of the Building Official
MAR 19 2020
NO CONSTRUCTION SHALL COMMENCE UNTIL ALL REQUIRED PERMITS HAVE BEEN OBTAINED AND APPROVAL PLANS ARE ON SITE. CONSTRUCTION SITE
19-0295

GENERAL NOTES:

1. ALL PLANT MATERIAL MUST BE TAGGED IN THE GROUND, AT THE NURSERY BY THE LANDSCAPE ARCHITECT. ALL PLANT MATERIAL SHALL BE COMMERCIALLY OBTAINED AND SHALL MEET THE AMERICAN ASSOCIATION OF NURSERYMAN STANDARDS FOR NURSERY STOCK, LATEST EDITION, AND ITS AMENDMENTS. PLANT ONLY DURING SEASON NORMAL TO THE PARTICULAR VARIETY. ALL PLANT INSPECTIONS WILL BE AT THE EXPENSE OF THE CONTRACTOR. PERMANENT SEALS WILL BE REQUIRED.
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3. ALL EXISTING AND PROPOSED TREES SHOWN IN LAWN AREAS SHALL RECEIVE A 5' DIAMETER MULCH BED. MULCH SHALL BE PLACED TO A DEPTH OF 3". REMOVE ALL SOD, ROOTS, STICKS AND STONES PRIOR TO PLACEMENT OF MULCH.
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14. DISTURBED AREAS: ANY AREAS DISTURBED DURING THE COURSE OF CONSTRUCTION ARE TO BE RESTORED TO ORIGINAL (OR BETTER) CONDITION BY CONTRACTOR BEFORE COMPLETION OF THE PROJECT, AND ARE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT AND OWNER. ALL GRASS AREAS DISTURBED DURING CONSTRUCTION SHALL BE YORK RAKED TO REMOVE STONES AND LOAMED AND SEEDED AS PER SPECIFICATIONS.
15. LAYOUT: ALL NOTES AND DIMENSIONS ARE TYPICAL UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE SQUARE (PARALLEL OR PERPENDICULAR) UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL NOTIFY THE OWNER/OWNER'S REPRESENTATIVE IMMEDIATELY IN THE EVENT OF ANY DISCREPANCIES FOUND IN THE CONTRACT DOCUMENTS AND/OR IN THE FIELD, OR OF CONDITIONS UNCOVERED IN THE WORK WHICH ARE NOT REFLECTED IN THE PLANS.
16. DRAINAGE SYSTEMS: CONTRACTOR IS RESPONSIBLE FOR GENERAL CLEAN-OUT OF ALL CATCH BASINS, MANHOLES, AND/OR OTHER DRAINAGE FEATURES ON THE SITE WHICH HAVE ACCUMULATED SEDIMENT AS A RESULT OF CONSTRUCTION ACTIVITIES.
17. CLEANING: CONTRACTOR IS RESPONSIBLE FOR KEEPING SITE CLEAN OF MISCELLANEOUS DEBRIS THROUGHOUT THE CONSTRUCTION PERIOD. ALL WASTE MATERIAL IS TO BE DISPOSED OF IMMEDIATELY TO AN OFF-SITE LOCATION, UNLESS OTHERWISE INDICATED ON THE PLAN.

PARE
PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
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401-334-4100

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

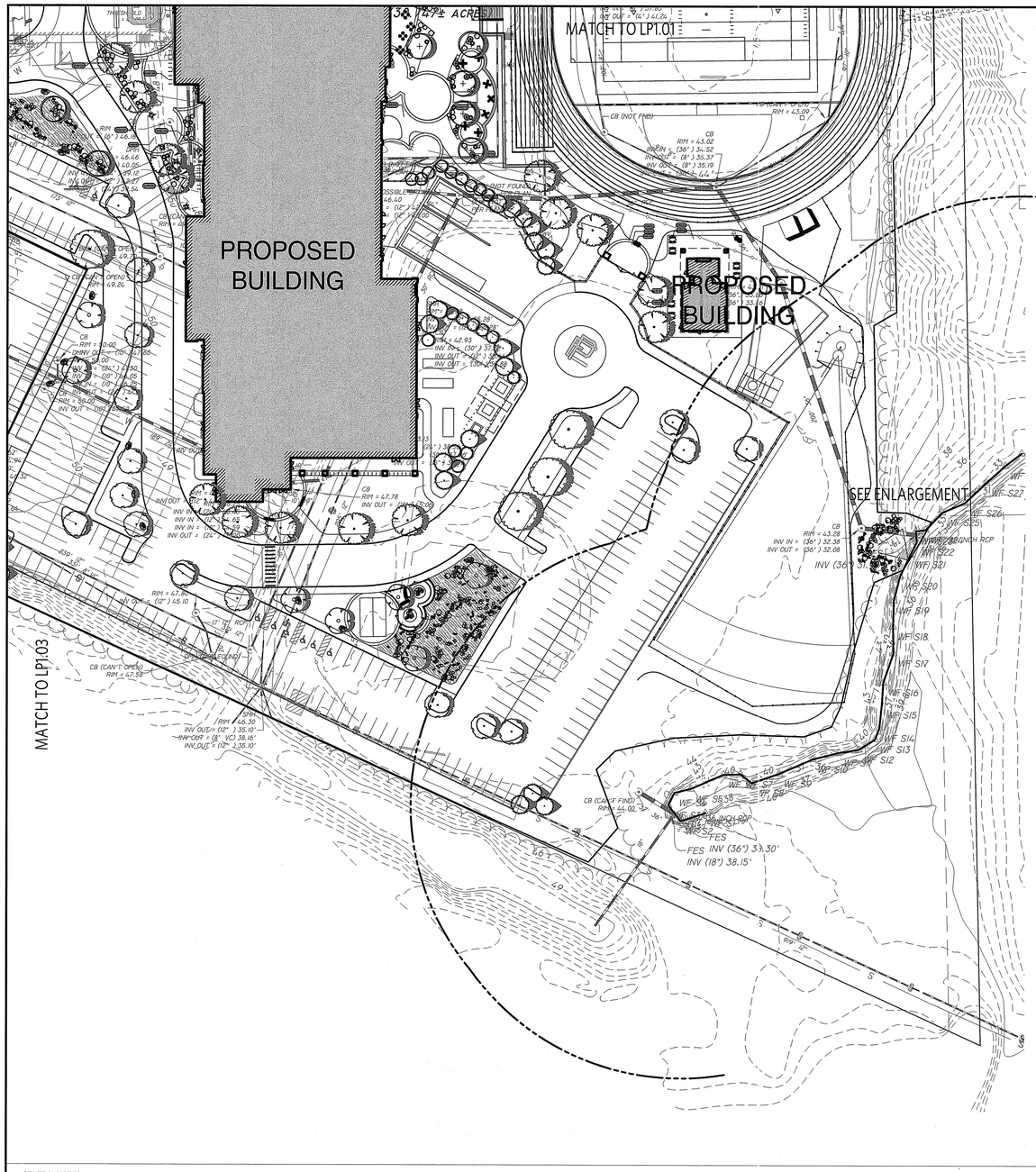
REGISTERED LANDSCAPE ARCHITECT
ANTHONY J. EDDY
No. 432

REVISIONS:

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=50'-0"
DESIGNED BY:	AE
CHECKED BY:	AE
DRAWN BY:	DP
APPROVED BY:	AE

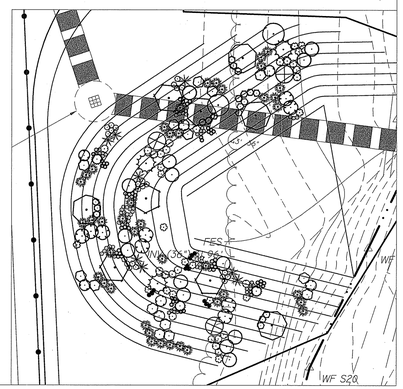
DRAWING TITLE:
LANDSCAPE PLAN 3

DRAWING NO.:
LP1.03
SHEET NO. 62 OF 65



ENLARGEMENT 1

SCALE: 1' = 10'



PLANT SCHEDULE LANDSCAPE PLAN 4

TREES	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	QTY
	Acer rubrum October Glory / October Glory Red Maple	B&B	2.5"-3" Cal.		4
	Amelanchier canadensis 'Autumn Brilliance' / Autumn Brilliance Serviceberry	Cont.			7
	Betula populifolia 'Whitespire' / Whitespire Birch	6/7' B&B			7
	Cornus florida 'Cherokee Brave' / Cherokee Brave Dogwood Specimen	B&B		5/6'	14
	Juniperus virginiana 'Canaerti' / Canaerti Juniper	B&B		6/7'	19
	Picea pungens 'Fat Albert' / Colorado Spruce	B&B		5/6'	17
	Tilia cordata 'Halka' / Summer Sprite Linden	B&B	2"-2.5" Cal.		16

SHRUBS	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
	Aronia melanocarpa 'Autumn Magic' / Autumn Magic Black Chokeberry	#3		60
	Clethra alnifolia / Summersweet Clethra	#3		15
	Clethra alnifolia / Ruby Spice Clethra	3 gal		30
	Cornus sericea 'Artic Fire' / Artic Fire Dogwood	3 gal		15
	Cornus sericea 'Kelseyi' / Kelseyi Dogwood	#3		20
	Eragrostis spectabilis / Purple Love Grass	1 Gal		145
	Eragrostis spectabilis / Purple Love Grass	Plug		145
	Gaylussacia baccata / Black Huckleberry	#1		71
	Hydrangea arborescens 'Annabelle' / Smooth Hydrangea	#5		14
	Ilex verticillata 'Red Sprite' / Red Sprite Winterberry	#3		19
	Itea virginica 'Merlot' / Merlot Sweetspire	#3		10
	Kalmia latifolia 'Olympic Fire' / Olympic Fire Mountain Laurel	#5		10
	Pennisetum alopecuroides 'Little Bunny' / Little Bunny Fountain Grass	1 gal		84
	Pennisetum alopecuroides 'Little Bunny' / Little Bunny Fountain Grass	Plug		108
	Pennisetum orientale 'Karley Rose' / Karley Rose Fountain Grass	#1		33
	Pennisetum orientale 'Karley Rose' / Karley Rose Fountain Grass	Plug		99
	Prunus laurocerasus 'Otto Luyken' / Luykens Laurel	3 gal		29
	Rhododendron viscosum / Swamp Azalea	3 gal		16
	Rhododendron x 'Boule De Neige' / Boule De Neige Rhododendron	3 gal		6
	Rhododendron x 'Roseum Elegans' / Rhododendron	3 gal		21
	Rudbeckia fulgida 'Goldstrum' / Coneflower	#1		148
	Rudbeckia fulgida 'Goldstrum' / Coneflower	Plug		94
	Schizachyrium scoparium / Little Bluestem Grass	1 gal		12
	Schizachyrium scoparium / Little Bluestem Grass	Plug		118
	Solidago sempervirens / Seaside Goldenrod	1 Gal		96
	Solidago sempervirens / Seaside Goldenrod	Plug		45

GROUND COVERS	BOTANICAL / COMMON NAME	CONT	SPACING	SPACING	QTY
	- - / NEW ENGLAND WETLAND SEED MIX	seed			6,225 sf

RECEIVED
FEB 10 2020
CRMC
EAST PROVIDENCE, RI

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 10 2020 FILE # 19-0265
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

0 50 100 150 200 feet

1" = 50'

GENERAL NOTES:

1. ALL PLANT MATERIAL MUST BE TAGGED IN THE GROUND, AT THE NURSERY BY THE LANDSCAPE ARCHITECT. ALL PLANT MATERIAL SHALL BE COMMERCIALLY OBTAINED AND SHALL MEET THE AMERICAN ASSOCIATION OF NURSERYMAN STANDARDS FOR NURSERY STOCK, LATEST EDITION, AND ITS AMENDMENTS. PLANT ONLY DURING SEASON NORMAL TO THE PARTICULAR VARIETY. ALL PLANT INSPECTIONS WILL BE AT THE EXPENSE OF THE CONTRACTOR. PERMANENT SEALS WILL BE REQUIRED.
2. PLANTING BEDS SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 12" AND NEW LAOM AND COMPOST (50/50 MIX) SHALL BE INCORPORATED INTO THE PLANTING BED TO MEET SURROUNDING GRADES UNLESS OTHERWISE NOTED OR DETAILED. COVER ALL PLANTING BEDS WITH 3" SHREDDED HARDWOOD BARK MULCH WITHIN A SEVENTY-TWO HOUR PERIOD AFTER PLANTING. SEE PLAN FOR BED LAYOUT.
3. ALL EXISTING AND PROPOSED TREES SHOWN IN LAWN AREAS SHALL RECEIVE A 5' DIAMETER MULCH BED. MULCH SHALL BE PLACED TO A DEPTH OF 3". REMOVE ALL SOD, ROOTS, STICKS AND STONES PRIOR TO PLACEMENT OF MULCH.
4. ALL PLANT MATERIALS FURNISHED BY THE CONTRACTOR SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE OF LANDSCAPE WORK.
5. STAKE ALL TREES OVER 5' AS SHOWN ON DETAILS. REMOVE STAKES AT THE END OF THE GUARANTEE PERIOD.
6. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE SITE CLEAN OF MISCELLANEOUS DEBRIS THROUGHOUT THE CONSTRUCTION PERIOD. ALL WASTE MATERIAL IS TO BE DISPOSED OF IMMEDIATELY TO AN OFF-SITE LOCATION, UNLESS OTHERWISE INDICATED ON THE PLANS.
7. THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS, AND SHALL OBTAIN ALL NECESSARY PERMITS FOR THIS PROJECT.
8. LOAM: LOAM MOVED DURING THE COURSE OF CONSTRUCTION SHALL BE RETAINED AND DISTRIBUTED WITHIN THE SITE IN ACCORDANCE WITH THE LANDSCAPE PLAN. STOCKPILED LOAM SHALL NOT BE MIXED WITH ANY SUBSOIL, NOXIOUS WEEDS OR UNSUITABLE MATERIALS. ALL EXCESS LOAM SHALL REMAIN ON THE PROPERTY OF THE OWNER. NEW LOAM IF REQUIRED TO PROVIDE THE SPECIFIED DEPTH, SHALL BE A FERTILE, FRIABLE MEDIUM TEXTURED SANDY LOAM FREE OF MATERIAL TOXIC TO HEALTHY PLANT GROWTH. LOAM SHALL ALSO BE FREE OF ALL STUMPS, ROOTS, STONES AND OTHER EXTRANEOUS MATTER AN INCH (1") OR GREATER IN DIAMETER. THE PH SHALL BE BETWEEN 6.5 AND 7.5. ORGANIC CONTENT SHALL BE A MINIMUM OF 5%.
9. LAWN PREPARATION: REMOVE ALL DEBRIS AND OTHER INORGANIC MATERIALS ON THE PREPARED SUBGRADE, RESHAPE AND DRESS ANY DAMAGED OR ERODED AREA PRIOR TO SPREADING THE LOAM. SCARIFY AND LOOSEN SUBGRADE IN ANY AREAS WHERE COMPACTION MAY HAVE OCCURRED. SPREAD STOCKPILED AND OFF-SITE LOAM ON ALL DISTURBED AREAS TO PRODUCE A DEPTH OF 4" UNLESS OTHERWISE NOTED ON THE PLANS. FINE GRADE LOAMED AREAS TO PRODUCE A SMOOTH AND UNBROKEN FINISH GRADE TO THE REQUIRED DEPTH. APPLY A STARTER FERTILIZER (10-20-10) AT A RATE OF 20 LBS. PER 1000 SQUARE FEET AND LIME AT A RATE OF 40 LBS. PER 1000 SQUARE FEET UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS. ONCE SPREAD, THE FERTILIZER AND LIME SHALL BE THOROUGHLY INCORPORATED INTO THE LOAM. THE LOAM SHALL BE ROLLED, AND DEPRESSION SHALL BE TOP DRESSED AND RAKED TO CREATE A SMOOTH SURFACE.
10. SEEDING: SEEDING SHALL TAKE PLACE BETWEEN MARCH 15 AND MAY 31 OR AUGUST 15 AND OCTOBER 15 ONLY. SEED SHALL BE PURE, LIVE, FRESH SEED FROM COMMERCIAL SOURCES MEETING AND LABELED IN ACCORDANCE WITH STATE AND FEDERAL RULES AND REGULATIONS. THE SEED MIXTURE SHALL BE AS NOTED ON THIS SHEET. SEEDED AREAS SHALL, AT A MINIMUM, INCLUDE ALL AREAS OF THE SITE THAT HAVE BEEN DISTURBED OR ARE BARREN UNLESS OTHERWISE NOTED ON THE PLANS. SEED SHALL BE APPLIED AT THE RATES INDICATED PER SEED MIX.
11. PROTECTION OF EXISTING PLANTINGS: MAXIMUM EFFORT SHOULD BE MADE TO SAVE TREE OR OTHER PLANT SPECIMENS WHICH ARE LARGE FOR THEIR SPECIES, RARE TO THE AREA, OR OF SPECIAL HORTICULTURAL OR LANDSCAPE VALUE. CONTACT OWNER/LANDSCAPE ARCHITECT BEFORE REMOVING ANY SPECIMEN OF THIS TYPE UNLESS OTHERWISE NOTED ON THE PLANS. NO MATERIAL OR TEMPORARY SOIL DEPOSITS SHALL BE PLACED WITHIN THE DRIP LINE OF SHRUBS OR TREES DESIGNATED ON THE LANDSCAPE PLAN TO BE RETAINED. PROTECTIVE BARRIERS ARE TO BE INSTALLED AROUND EACH PLANT AND/OR GROUP OF PLANTS THAT ARE TO REMAIN ON THE SITE. BARRIERS SHALL NOT BE SUPPORTED BY THE PLANTS THEY ARE PROTECTING, BUT SHALL BE SELF SUPPORTING. THEY SHALL BE OF MINIMUM OF FOUR FEET (4') HIGH AND CONSTRUCTED OF A DURABLE MATERIAL, SUCH AS SNOW OR SILT FENCE, THAT WILL LAST UNTIL CONSTRUCTION IS COMPLETED.
12. PRUNING: THE CONTRACTOR SHALL EMPLOY A CERTIFIED ARBORIST TO PRUNE ANY EXISTING ROOTS OR BRANCHES CAREFULLY PRUNE BRANCHES IN THE WAY OF CONSTRUCTION BY USING ONLY APPROVED METHODS AND TOOLS. THE USE OF AXES FOR TRIMMING OR SPURS FOR CLIMBING WILL NOT BE PERMITTED.
13. EXISTING UTILITIES: IN ACCORDANCE WITH DIG-SAFE LAW (1-800-225-4977), THE CONTRACTOR SHALL CONTACT ALL APPLICABLE UTILITY COMPANIES AND VERIFY UTILITY LINE LOCATIONS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY/ALL UTILITY DAMAGE. RECORD LOCATIONS OF DIG-SAFE UTILITY LINE MARKINGS ON PROJECT RECORD DOCUMENTS.
14. DISTURBED AREAS: ANY AREAS DISTURBED DURING THE COURSE OF CONSTRUCTION ARE TO BE RESTORED TO ORIGINAL (OR BETTER) CONDITION BY CONTRACTOR BEFORE COMPLETION OF THE PROJECT, AND ARE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT AND OWNER. ALL GRASS AREAS DISTURBED DURING CONSTRUCTION SHALL BE YORK RAKED TO REMOVE STONES AND LOAMED AND SEEDED AS PER SPECIFICATIONS.
15. LAYOUT: ALL NOTES AND DIMENSIONS ARE TYPICAL UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE SQUARE (PARALLEL OR PERPENDICULAR) UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL NOTIFY THE OWNER/OWNER'S REPRESENTATIVE IMMEDIATELY IN THE EVENT OF ANY DISCREPANCIES FOUND IN THE CONTRACT DOCUMENTS AND/OR IN THE FIELD, OR OF CONDITIONS UNCOVERED IN THE WORK WHICH ARE NOT REFLECTED IN THE PLANS.
16. DRAINAGE SYSTEMS: CONTRACTOR IS RESPONSIBLE FOR GENERAL CLEAN-OUT OF ALL CATCH BASINS, MANHOLES, AND/OR OTHER DRAINAGE FEATURES ON THE SITE WHICH HAVE ACCUMULATED SEDIMENT AS A RESULT OF CONSTRUCTION ACTIVITIES.
17. CLEANING: CONTRACTOR IS RESPONSIBLE FOR KEEPING SITE CLEAN OF MISCELLANEOUS DEBRIS THROUGHOUT THE CONSTRUCTION PERIOD. ALL WASTE MATERIAL IS TO BE DISPOSED OF IMMEDIATELY TO AN OFF-SITE LOCATION, UNLESS OTHERWISE INDICATED ON THE PLAN.

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

OWNER:
EAST PROVIDENCE SCHOOL DISTRICT
C/O KATHRYN CROWLEY, SUPERINTENDENT
145 TAUNTON AVENUE
EAST PROVIDENCE, RI 02914

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

REGISTERED LANDSCAPE ARCHITECT
ANTHONY J. ELIA
No. 432

REVISIONS:

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	1"=50'-0"
DESIGNED BY:	AE
CHECKED BY:	AE
DRAWN BY:	DP
APPROVED BY:	AE

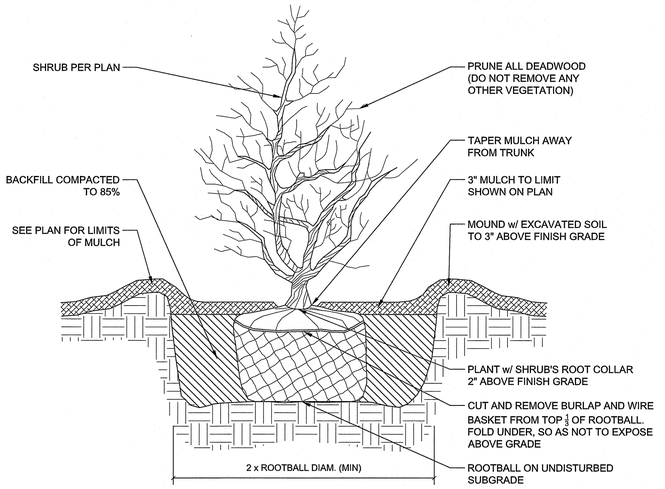
DRAWING TITLE:

LANDSCAPE PLAN 4

DRAWING NO.:

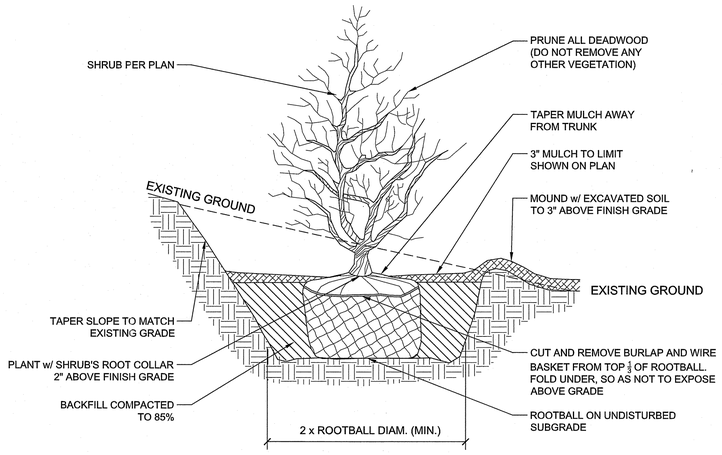
LP1.04

SHEET NO. 63 OF 65



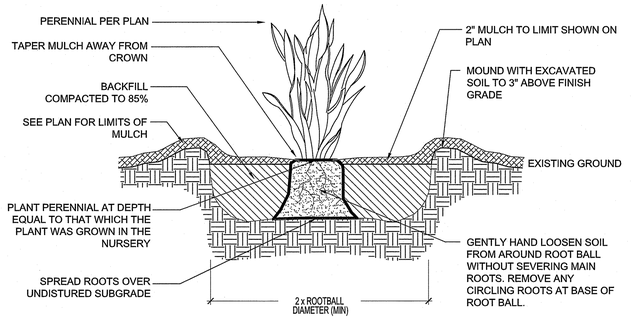
1 SHRUB PLANTING

NTS P-EDU-KEP-157



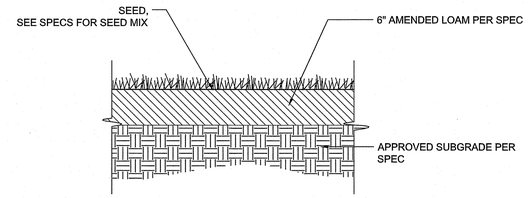
2 SHRUB PLANTING ON SLOPE

1" = 10' P-EDU-KEP-156



5 GRASS OR PERENNIAL PLANTING

NTS

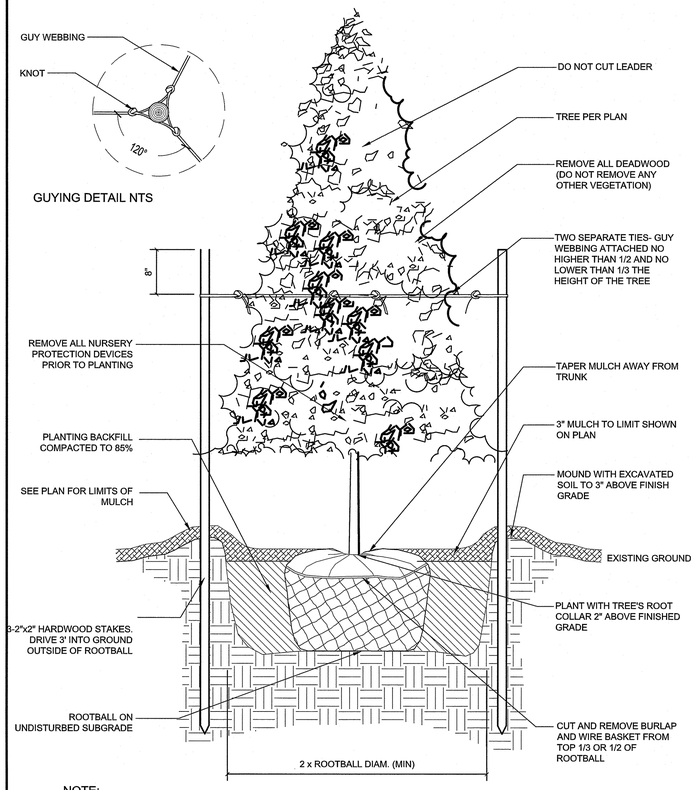


NOTE: SEE PLANS FOR SEED AREAS

6 LOAM & SEED

NTS

GUYING DETAIL NTS

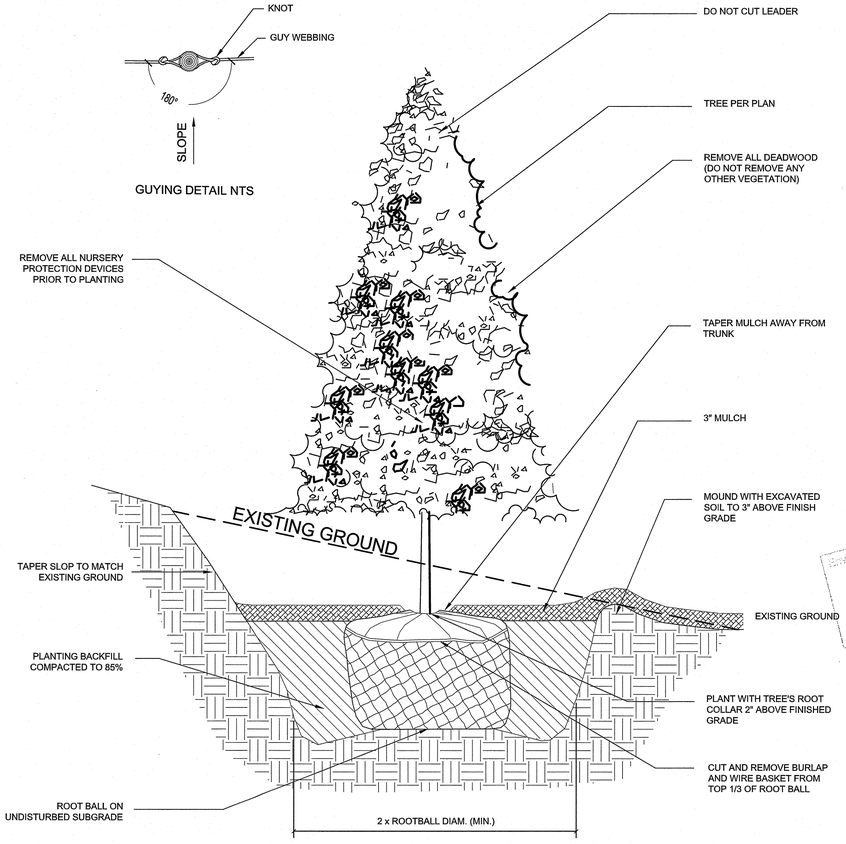


NOTE:
1. ALL TREES SHALL BE SET SO THAT THE ROOT FLARE IS ABOVE EXISTING GRADE.
2. AFTER THE GUARANTEE PERIOD THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF STAKES AND GUY WEBBING.
3. ALL TREES NOT LOCATED WITHIN A LARGER MULCHED PLANTING BED SHALL RECEIVE A 5' DIAMETER MULCH BED AROUND THE BASE OF THE TREE. IN NO INSTANCE SHALL MULCH BE PILED UP AROUND THE ROOT FLARE.

3 EVERGREEN TREE PLANTING & STAKING

NTS P-EDU-KEP-148

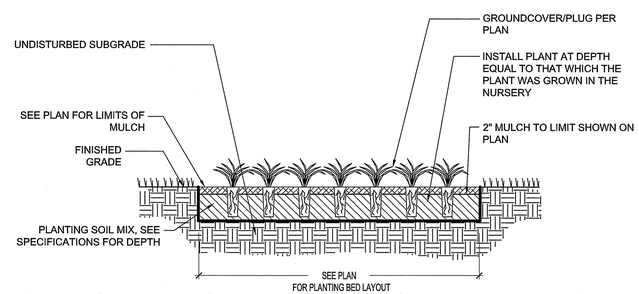
GUYING DETAIL NTS



NOTE:
SLOPE PLANTING STAKES SHALL BE PLACED PARALLEL TO SLOPE.

4 EVERGREEN TREE PLANTING ON SLOPE

NTS P-EDU-KEP-147



7 GROUNDCOVER & PLUG PLANTING

NTS

Environmental Management
FEB 10 2020
Office of Water Resources

RECEIVED
MAR 19 2020
RIDEM
OFFICE OF WATER RESOURCES
NO CHANGES MAY BE MADE TO APPROVED PLANS WITHOUT APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
19-0295

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

EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

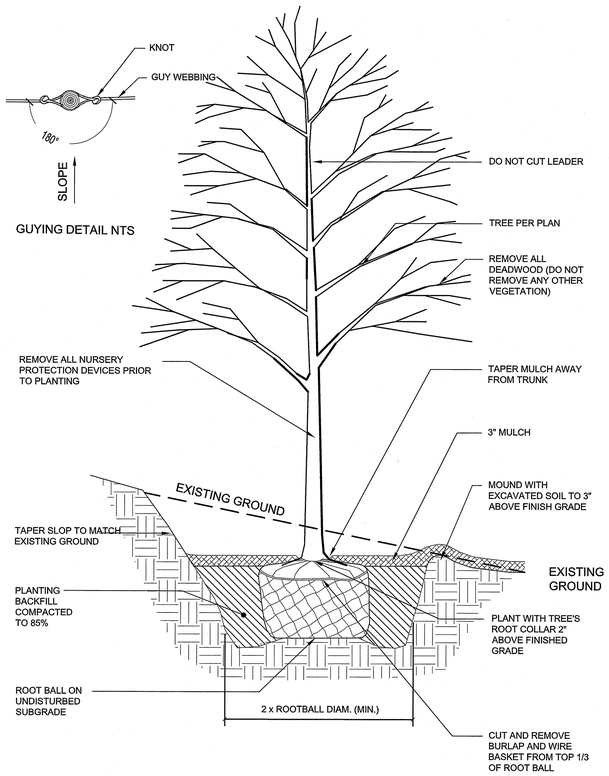
REGISTERED LANDSCAPE ARCHITECT
MARK J. ELIA
NO. 432

REVISIONS:

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	AS NOTED
DESIGNED BY:	AE
CHECKED BY:	AE
DRAWN BY:	DP
APPROVED BY:	AE

DRAWING TITLE:
PLANTING DETAILS

DRAWING NO.:
LP2.0
SHEET NO. 64 OF 65

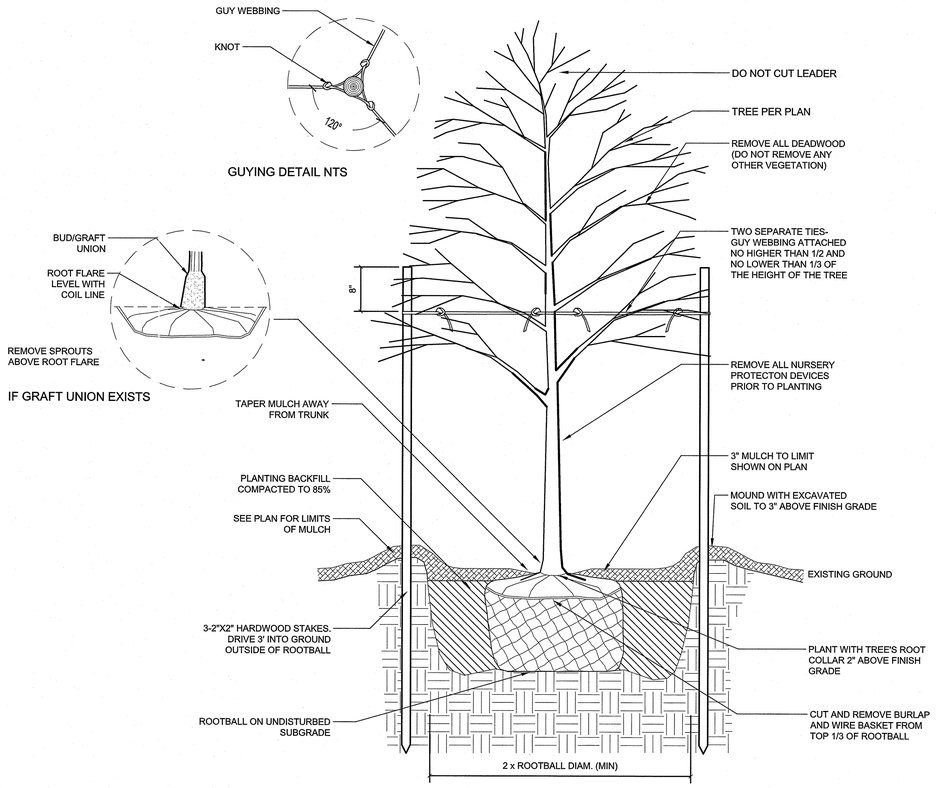


GUYING DETAIL NTS

NOTE:
SLOPE PLANTING STAKES SHALL BE PLACED PARALLEL TO SLOPE.

1 DECIDUOUS TREE PLANTING & STAKING

NTS P-EDU-KEP-145



NOTE:
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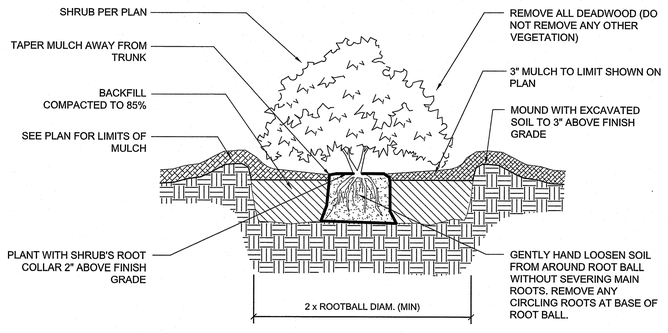
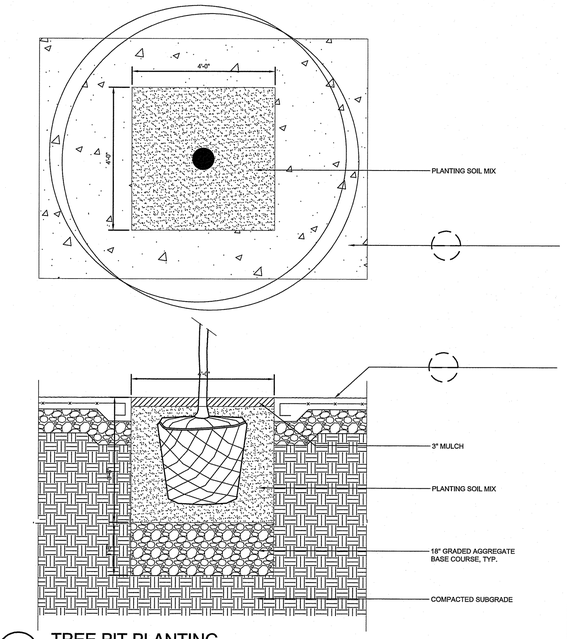
2 DECIDUOUS TREE PLANTING ON SLOPE

1" = 10' P-EDU-KEP-146



3 CONTAINER GROWN TREE AND SHRUB PLANTING

NTS



4 TREE PIT PLANTING

1/2" = 1'-0" P-EDU-KEP-177

RECEIVED
FEB 10 2020
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
AS SPECIFIED IN PART 1.0 OF THE RIPDES
DATED MAR 1 8 2020 FILE # 19-0215
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

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SCALE ADJUSTMENT GUIDE
0" 1"
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EAST PROVIDENCE HIGH SCHOOL

EAST PROVIDENCE, RHODE ISLAND

REGISTERED ARCHITECT
ARTHUR J. EDDY
No. 432
RHODE ISLAND

REVISIONS:

PROJECT NO.:	18271.00
DATE:	SEPT 27, 2019
SCALE:	AS NOTED
DESIGNED BY:	AE
CHECKED BY:	AE
DRAWN BY:	DP
APPROVED BY:	AE

DRAWING TITLE:
PLANTING DETAILS

DRAWING NO.:
LP2.1
SHEET NO. 65 OF 65