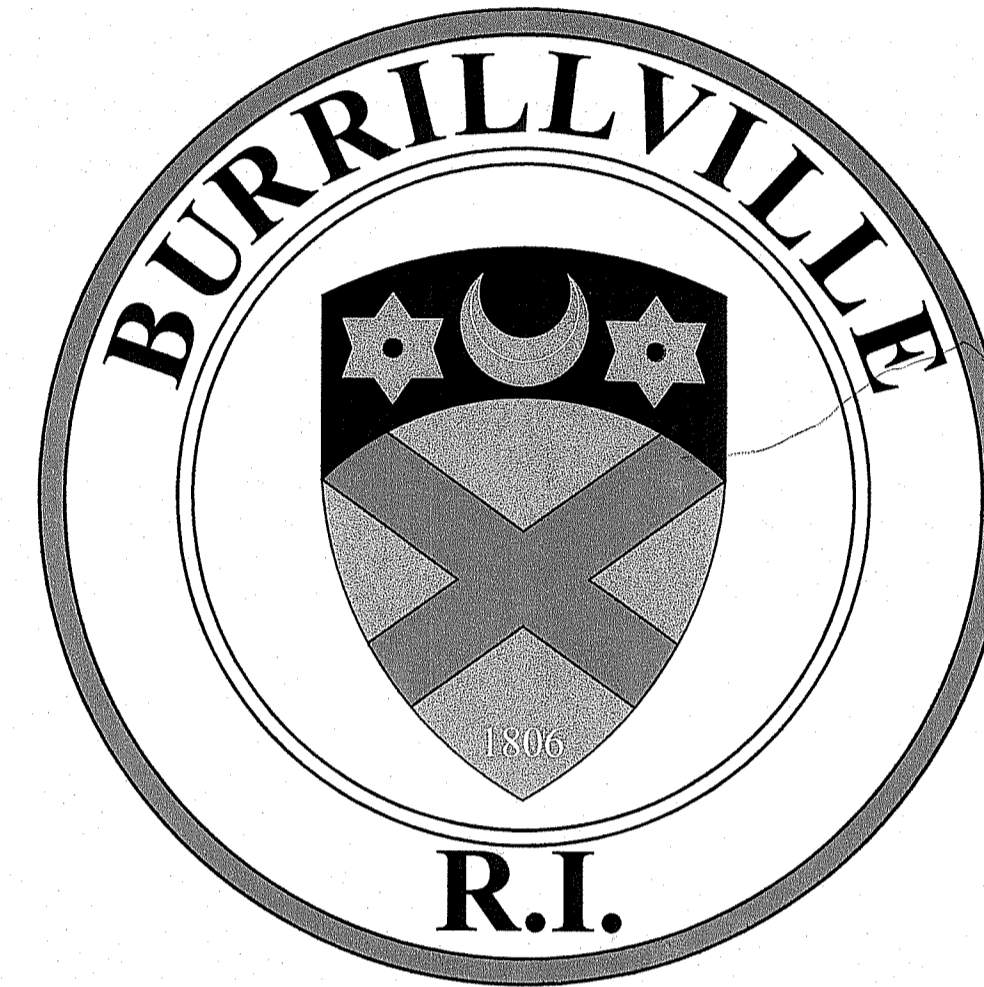


SITE IMPROVEMENT PLANS AND DETAILS FOR THE HIGH STREET PARK PEDESTRIAN BRIDGE

1 HIGH STREET



BURRILLVILLE, RHODE ISLAND

MICHAEL C. WOOD, TOWN MANAGER

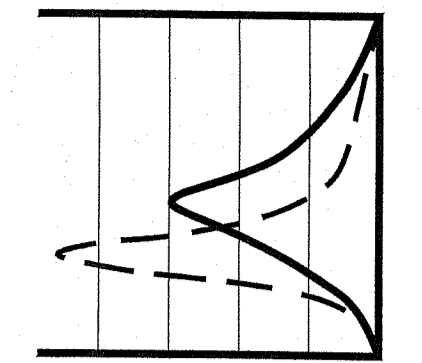
JEFFREY M. McCORMICK, P.E., DIRECTOR OF PUBLIC WORKS

ISSUED FOR RIDEM PERMITTING - APRIL 6, 2023

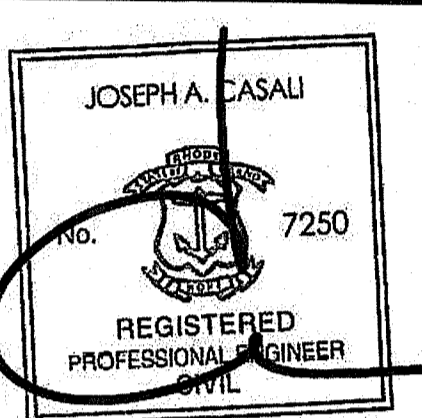
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

NOTE PER DEM:

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



JCE
JOE CASALI ENGINEERING, INC.
CIVIL - SITE DEVELOPMENT - TRANSPORTATION
DRAINAGE - WETLANDS - WATER - FLOOD CONTROL
300 POST ROAD
WARWICK, RI 02888
(401) 944-1300 (401) 944-1313 FAX WWW.JCEONLINE.COM



10/26/2023

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL

DATED: FEB 17 2024 FILE #: 23-0099

NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Janice D. Wemmer

HIGH STREET PARK
PEDESTRIAN BRIDGE
BURRILLVILLE, RHODE ISLAND
AP 174, LOTS 79 & 80



See Revised Sheet 3 of 5

PROJECT TEAM

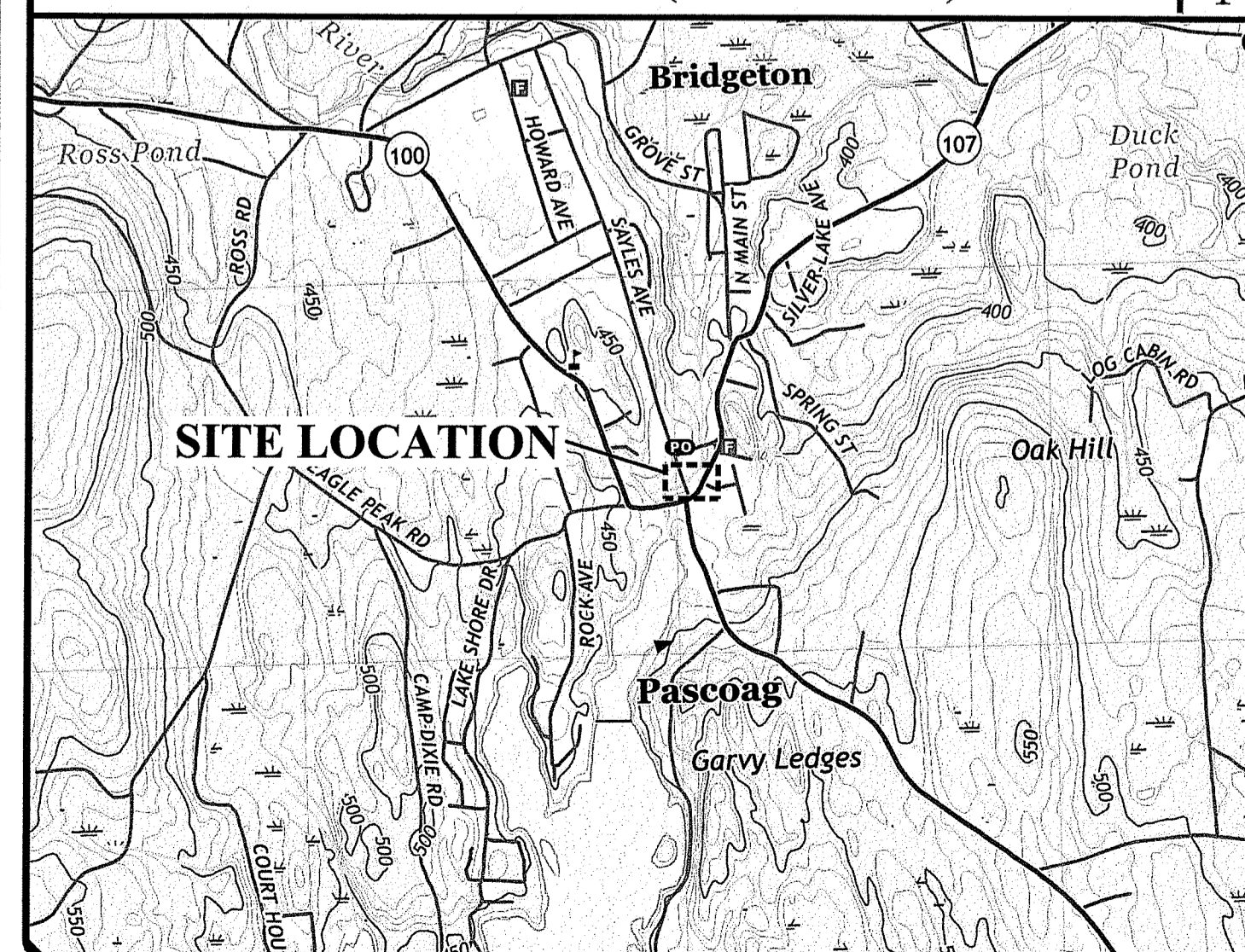
OWNER: TOWN OF BURRILLVILLE
ATTN: JEFF M. McCORMICK, P.E., DPW DIRECTOR
200 CLEAR RIVER DRIVE
OAKLAND, RI 02858
PHONE: 401-568-4440

CIVIL ENGINEER: JOE CASALI ENGINEERING, INC.
300 POST ROAD
WARWICK, RI 02888
PHONE: 401-944-1300
FAX: 401-944-1313

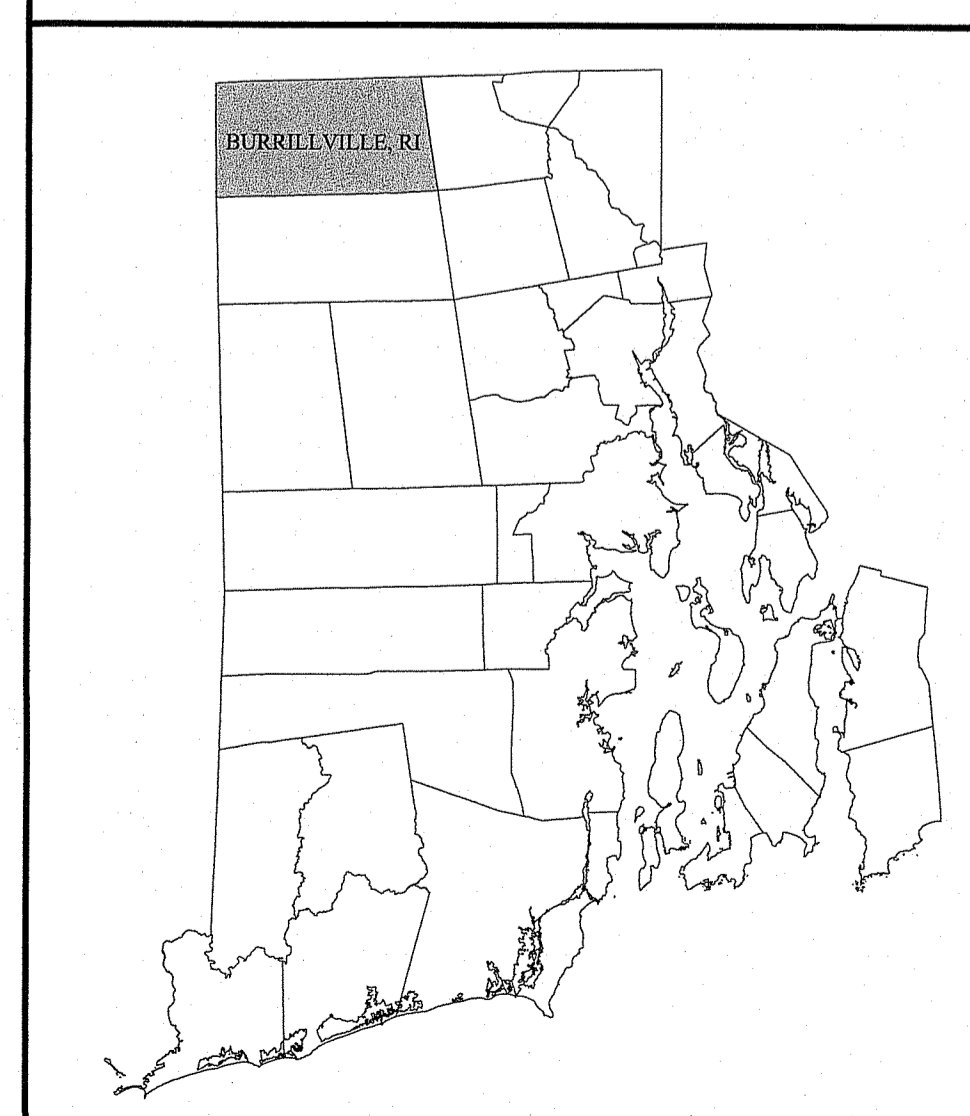
WETLAND BIOLOGIST: NATURAL RESOURCE SERVICES, INC.
180 TINKHAM LANE
HARRISVILLE, RI 02830
PHONE: 401-568-7390

SURVEYOR: DOUGLAS DESIGN GROUP, INC.
101 PLAIN STREET
PROVIDENCE, RI 02903
PHONE: 508-284-0085

LOCUS MAP (NOT TO SCALE)



STATE WIDE MAP



INDEX OF DRAWINGS

SHEET NO.	PLAN
1	COVER SHEET
2	GENERAL NOTES & LEGEND
3	EXISTING CONDITIONS AND SITE PREP. PLAN
4	SITE AND GRADING PLAN
5	DETAILS AND BRIDGE PROFILE
R1	BOUNDARY AND TOPOGRAPHIC SURVEY PLAN, PREPARED BY DOUGLAS DESIGN GROUP INC., DATED MAY 2022.

RI Environmental Management
OCT 26 2023
Office of Water Resources

REVISIONS:
NO. DATE DESCRIPTION
1 10/27/23 RIDEM RTC

DESIGNED BY: DRD
DRAWN BY: SEP/SD
CHECKED BY: JAC
DATE: APRIL 2023
PROJECT NO: 05-92bx

FOR RIDEM PERMITTING
NOT FOR CONSTRUCTION

COVER SHEET

SHEET 1 OF 5

GENERAL NOTES:

- CLASS I BOUNDARY AND CLASS III TOPOGRAPHIC SURVEY OF 1 HIGH STREET PROPERTY COMPLETED IN MAY 2022 BY DOUGLAS DESIGN GROUP INC., OF PROVIDENCE, RI (REFERENCE PLAN R1). EXISTING CONDITIONS OF EXISTING HIGH STREET PARK PROPERTY OBTAINED FROM CROSSMAN ENGINEERING INC., OF 151 CENTERVILLE ROAD, WARWICK, RI 02886.
- THE LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE LATEST AVAILABLE INFORMATION. THE UTILITY LOCATIONS ARE APPROXIMATE AND MAY NOT BE ALL INCLUSIVE. THE CONTRACTOR SHALL CHECK AND VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, BOTH OVERHEAD AND UNDERGROUND, AND "DIG-SAFE" MUST BE NOTIFIED PRIOR TO COMMENCING ANY CONSTRUCTION OPERATIONS. RESTORATION AND REPAIR OF DAMAGE TO EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH NO ADDITIONAL COST TO THE OWNER. NO EXCAVATION SHALL COMMENCE UNTIL ALL INVOLVED UTILITY COMPANIES AND/OR CITY WHOSE FACILITIES MIGHT BE AFFECTED BY ANY WORK TO BE PERFORMED BY THE CONTRACTOR ARE NOTIFIED AT LEAST 72 HOURS IN ADVANCE.
- PORTIONS OF THE SITE LIE WITHIN FEMA FLOOD ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AND ZONE AE (AREA SUBJECT TO INUNDATION DURING 1% ANNUAL CHANCE FLOOD, WITH BASE FLOOD ELEVATIONS ESTABLISHED) AS SHOWN ON THE FIRM MAP FOR THE TOWN OF BURRILLVILLE, PROVIDENCE COUNTY, RHODE ISLAND, MAP NUMBER 44007C0130G, EFFECTIVE DATE MARCH 2, 2009.
- THE MAJORITY OF THE SITE IS LOCATED WITHIN THE A-80 AQUIFER ZONE.
- THERE ARE NO ACTIVE AGRICULTURAL USES ON OR ADJACENT TO THE SITE. THERE ARE NO HISTORIC CEMETERIES ON OR IMMEDIATELY ADJACENT TO THE SITE.
- RIVERS AND WETLANDS WERE FIELD DELINEATED BY NATURAL RESOURCE SERVICES INC. IN OCTOBER 2022. WETLAND FLAGGING WAS FIELD SURVEYED BY JOE CASALI ENGINEERING, INC. IN JANUARY 2023.
- EXISTING SOILS ON THE SITE HAVE BEEN CLASSIFIED AS CANTON-URBAN LAND COMPLEX (CB), HYDROLOGIC SOIL GROUP B.

SITE NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING (R&D) OF ALL MATERIALS INDICATED ON THE PLANS AT NO ADDITIONAL COST TO THE TOWN.
- STOCKPILES OF EARTH MATERIALS SHALL NOT BE LOCATED ADJACENT TO DRAINAGE STRUCTURES.
- ALL DISTURBED AREAS OUTSIDE OF THE PAVED AREAS WILL RECEIVE A MINIMUM OF 6" OF LOAM AND SEED.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SURVEY LAYOUT SERVICES FOR THE WORK AND SHALL SUBMIT "AS-BUILT" DRAWINGS OF ALL WORK, WHICH SHALL BE STAMPED AND CERTIFIED BY A RHODE ISLAND REGISTERED PROFESSIONAL LAND SURVEYOR OR A RHODE ISLAND REGISTERED PROFESSIONAL ENGINEER.
- ANY ITEM OF WORK NOT SPECIFICALLY INDICATED ON THE PLANS BUT IS REQUIRED FOR THE COMPLETE CONSTRUCTION OF THE PROJECT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND INCLUDED IN THE CONTRACT BID PRICE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING SITE CONDITIONS.
- WHERE NECESSARY TO REMOVE CURBS, CATCH BASINS OR DRAINS TO COMPLETE WORK, THE CONTRACTOR SHALL REPLACE SUCH ITEMS TO THE SATISFACTION OF THE TOWN AT NO ADDITIONAL COST TO THE OWNER.
- ANY EXISTING PIPE OR UTILITY DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT NO COST TO THE OWNER OR TOWN.
- THE CONTRACTOR SHALL RESTORE TO ITS ORIGINAL CONDITION OR REPLACE TREES, SHRUBS, FENCES, SIGNS, GUARDRAILS, DRIVEWAYS, SIDEWALKS AND ANY OTHER OBJECT AFFECTED BY THIS OPERATION.
- THE TOPS OF ALL VALVE BOXES AND CURB BOXES SHALL BE FLUSH WITH GROUND OR PAVEMENT SURFACE LEVEL AND PLUMB, UNLESS OTHERWISE DIRECTED.
- ROADWAYS SHALL BE LEFT PASSABLE AT ALL TIMES. CLOSURE OF ROADWAY IS NOT PERMITTED. REFER TO TRAFFIC MANAGEMENT PLANS.
- THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL DRIVEWAYS AT COMPLETION OF EACH DAY'S WORK.
- WATER SERVICE SHALL BE MAINTAINED AT ALL TIMES.
- ALL LEDGE TO BE REMOVED BY MECHANICAL MEANS.
- ALL CONSTRUCTION WORK SHALL BE PERFORMED IN THE DRY. THE CONTRACTOR SHALL PROVIDE, OPERATE AND MAINTAIN ALL PUMPS, DRAINS, WET POINTS, SCREENS, OR OTHER FACILITIES NECESSARY TO CONTROL, COLLECT AND DISPOSE OF ALL SURFACE AND SUBSURFACE WATER ENCOUNTERED IN THE PERFORMANCE OF THE WORK.
- ALL SITE WORK, INCLUDING BUT NOT LIMITED TO, BITUMINOUS PAVEMENT, ROADWAY CONSTRUCTION, AGGREGATE MATERIALS, DRAINAGE STRUCTURES, CURBING, SIDEWALK, LANDSCAPING, SAW CUTTING, ETC. SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION, 2004 EDITION (WITH LATEST ADDENDA) AND THE RIDOT STANDARD DETAILS, 1998 EDITION (WITH LATEST ADDENDA).

MISCELLANEOUS UTILITY NOTES:

- PRIOR TO CONSTRUCTION ALL POTENTIAL UTILITY/DRAINAGE CONFLICTS MUST BE IDENTIFIED BY THE CONTRACTOR. ANY MODIFICATIONS TO THE PROPOSED UTILITIES TO AVOID CONFLICTS MUST BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
- THE UTILITY PLAN DOES NOT DEPICT THE NECESSARY ELECTRICAL CONDUIT/WIRING TO SERVICE THE PROPOSED LIGHTING, WHICH WILL BE PERFORMED BY THE CONTRACTOR FOR NO ADDITIONAL COST.
- OVERHEAD ELECTRIC AND TELEPHONE SERVICES ARE TO BE REMOVED BY THE APPROPRIATE UTILITY COMPANY AND COORDINATED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL AT ALL TIMES PROVIDE A SUFFICIENT NUMBER OF WORKMEN AND GUARDS AS MAY BE NECESSARY TO PROPERLY SAFEGUARD THE PUBLIC FROM THEIR OPERATIONS.
- THE CONTRACTOR SHALL TAKE PRECAUTIONS AGAINST DAMAGING OF PAVING, SIDEWALKS, UTILITIES, OR PRIVATE PROPERTIES AND SHALL PROMPTLY REPAIR AT HIS OWN EXPENSE ANY DAMAGE TO SUCH PAVING, SIDEWALKS, UTILITIES, OR PRIVATE PROPERTIES TO THE SATISFACTION OF THE OWNER OR TOWN.
- EXISTING UTILITY FRAMES AND COVERS FOR SANITARY SEWER, WATER, GAS, STORM DRAINAGE AND OTHER UTILITIES SHALL BE ADJUSTED TO GRADE AS REQUIRED IN NEW PAVING AND PAVEMENT OVERLAY AREAS.

LAYOUT NOTE:

THE LAYOUT SHOWN REPRESENTS A GRAPHICAL DESIGN, AND PRIOR TO THE CONSTRUCTION, THE CONTRACTOR SHALL ENGAGE A PROFESSIONAL LAND SURVEYOR (PLS) REGISTERED IN THE STATE OF RHODE ISLAND TO SET AND VERIFY ALL LINES AND GRADES. ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS ARE TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY ITEMS FOUND WHICH DO NOT MATCH THE PLANS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO CONSTRUCTION FOR REVIEW. NO WORK SHALL PROCEED UNTIL AUTHORIZED BY THE ENGINEER.



LOCATION OF EXISTING UTILITIES SHOWN, ARE FROM GATE LOCATION AND EXISTING DOCUMENTATION AND MAY NOT BE ACCURATE. EXACT LOCATION TO BE DETERMINED BY THE APPROPRIATE UTILITY COMPANY OR MUNICIPALITY PRIOR TO ANY EXCAVATION CALL DISSAFE AT 1-888-DIG-SAFE 1-888-344-7233

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC INCLUDING POLICE PROTECTION. ALL TEMPORARY AND VEHICULAR SIGNS, BARRICADES AND LANE CLOSURES SHALL BE IN CONFORMANCE WITH THE LATEST REVISIONS OF MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- TEMPORARY CONSTRUCTION SIGNS AND ALL APPLICABLE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC.
- ALL MAINTENANCE AND PROTECTION OF TRAFFIC CONTROL SETUPS, SIGNS CHANNELING DEVICES, ETC. SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. 1988 EDITION, INCLUDING REVISION 3, SEPTEMBER 3, 1993 AND SUBSEQUENT ADDENDA.
- SIGN MOUNTINGS SHALL BE IN ACCORDANCE WITH THE RIDOT SPECIFICATIONS FOR TEMPORARY CONSTRUCTION SIGNS.

SOIL EROSION AND SEDIMENTATION CONTROL NOTES:

- THE SILT FENCE LINE ILLUSTRATED ON THESE PLANS SHALL SERVE AS THE STRICT LIMIT OF DISTURBANCE FOR THE PROJECT WITHIN OR ADJACENT TO REGULATED FRESHWATER WETLAND AREAS.
- THE LIMITS OF CLEARING, GRADING, AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE OF THESE LIMITS, AS DEPICTED ON THE PLAN SHALL BE TOTALLY UNDISTURBED, TO REMAIN IN NATURAL CONDITION.
- ALL CATCH BASINS AND CULVERTS SHALL BE PROTECTED WITH STAKED HAYBALES (R.I. STD. 9.8.0) DURING CONSTRUCTION ACTIVITIES. ALL PROPOSED STORM WATER DISCHARGE AREAS SHALL BE LINED WITH A RIPRAP SPLASH PAD AND PROTECTED WITH STAKED HAYBALE WITH SILT FENCE (R.I. STD. 9.3.0) AND STAKED HAYBALE WITH SILT FENCE SHALL ALSO BE INSTALLED AT ALL EXISTING STORMWATER DISCHARGE LOCATIONS WHERE DISTRIBUTING PIPES, CATCH BASINS, AND MANHOLES ARE TO BE CLEANED AND FLUSHED.
- ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEEDED, PROTECTED AND MAINTAINED BY THE CONTRACTOR. THE CONTRACTOR SHALL REGULARLY CHECK ALL SEEDED AREAS TO ENSURE THAT A GOOD STAND IS MAINTAINED.
- ALL SILT FENCE, TEMPORARY TREATMENT (HAY, STRAW, ETC.) AND TEMPORARY EROSION PROTECTION SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
- STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES OF NO GREATER THAN 2:1 AND SHALL BE TEMPORARILY SEEDED AND/OR STABILIZED PER CONTRACT SPECIFICATIONS.
- THE SILT FENCE SHALL BE CHECKED BY THE CONTRACTOR ON A WEEKLY BASIS AND AFTER EACH STORM FOR UNDERMINING OR DETERIORATION. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY SILT FENCE AS NEEDED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL SOIL EROSION AND SEDIMENT CONTROLS ON THE PROJECT SITE FOR THE ENTIRE DURATION OF THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL FOLLOW THE DIRECTION OF THE RESIDENT ENGINEER WITH REGARD TO INSTALLATION, MAINTENANCE, AND REPAIR OF ALL SOIL EROSION AND SEDIMENTATION CONTROLS ON THE PROJECT SITE. TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROLS (HAYBALES, SILT FENCE, ETC.) SHALL BE MAINTAINED UNTIL ALL EXPOSED SOILS ARE SATISFACTORILY STABILIZED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND/OR RESEEDING ALL AREAS THAT DO NOT DEVELOP WITHIN ONE YEAR FROM THE COMPLETION OF CONSTRUCTION.
- ALL REFERENCED SOIL EROSION AND SEDIMENTATION CONTROLS INCLUDING MATERIALS USED, APPLICATION RATES AND THE INSTALLATION PROCEDURES SHALL BE PERFORMED PER THE "RHODE ISLAND EROSION AND SEDIMENTATION HANDBOOK", UPDATED 2016.

LOAMING & SEEDING NOTES:

SEEDING ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH SECTION L.02 SEEDING OF THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION, 2010 EDITION (WITH LATEST ADDENDA), AND SHALL ALSO CONFORM TO THE FOLLOWING:

- AFTER ROUGH GRADING IS COMPLETED, ALL DISTURBED AREAS AND AREAS LABELED AS 'LOAM AND SEED' ARE TO BE BROUGHT TO AN ELEVATION OF 6" BELOW THE PROPOSED FINISHED GRADE. SCARIFY THE SUBGRADE TO A DEPTH OF 12" WITH THE TEETH OF A BACKHOE OR A POWER RAKE TO RESULT IN AN UNCOMPACTED SUBSOIL. 6" OF GOOD QUALITY TOPSOIL IS TO BE APPLIED AND RAKED TO FINISHED GRADE.
- THE TOPSOIL IS TO BE GOOD QUALITY LOAM, FERTILE AND FREE OF WEEDS, STICKS AND STONES OVER 3/4" IN SIZE AND OTHERWISE COMPLYING WITH SECTION M.18.01 OF THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION, 2010 EDITION (WITH LATEST ADDENDA).
- PRIOR TO SEEDING OR SODDING, FERTILIZE WITH 10-10-10 OR EQUIVALENT ANALYSIS. AT LEAST 40% OF THE FERTILIZER NITROGEN SHALL BE IN SLOW RELEASE FORM. INCORPORATE THE FERTILIZER INTO THE TOP 1-2" OF THE PLANTING SOIL. APPLY AT A RATE OF 8 LBS. PER 1000 SQUARE FEET.
- APPLY LIME AT A RATE OF ONE TON PER ACRE AND UNIFORMLY INCORPORATE INTO THE TOP 1-2" OF TOPSOIL.
- SEEDING
AFTER THE SEED BED IS PREPARED, SEED IS TO BE BROADCAST EVENLY OVER THE SURFACE AND WORKED INTO THE TOP 1" OF SOIL. SEED SHALL BE APPROVED URI #2 OR APPROVED EQUAL. APPLY AT A RATE OF 4-5 LBS. PER 1000 SQUARE FEET OR AS OTHERWISE DIRECTED BY THE MANUFACTURER.

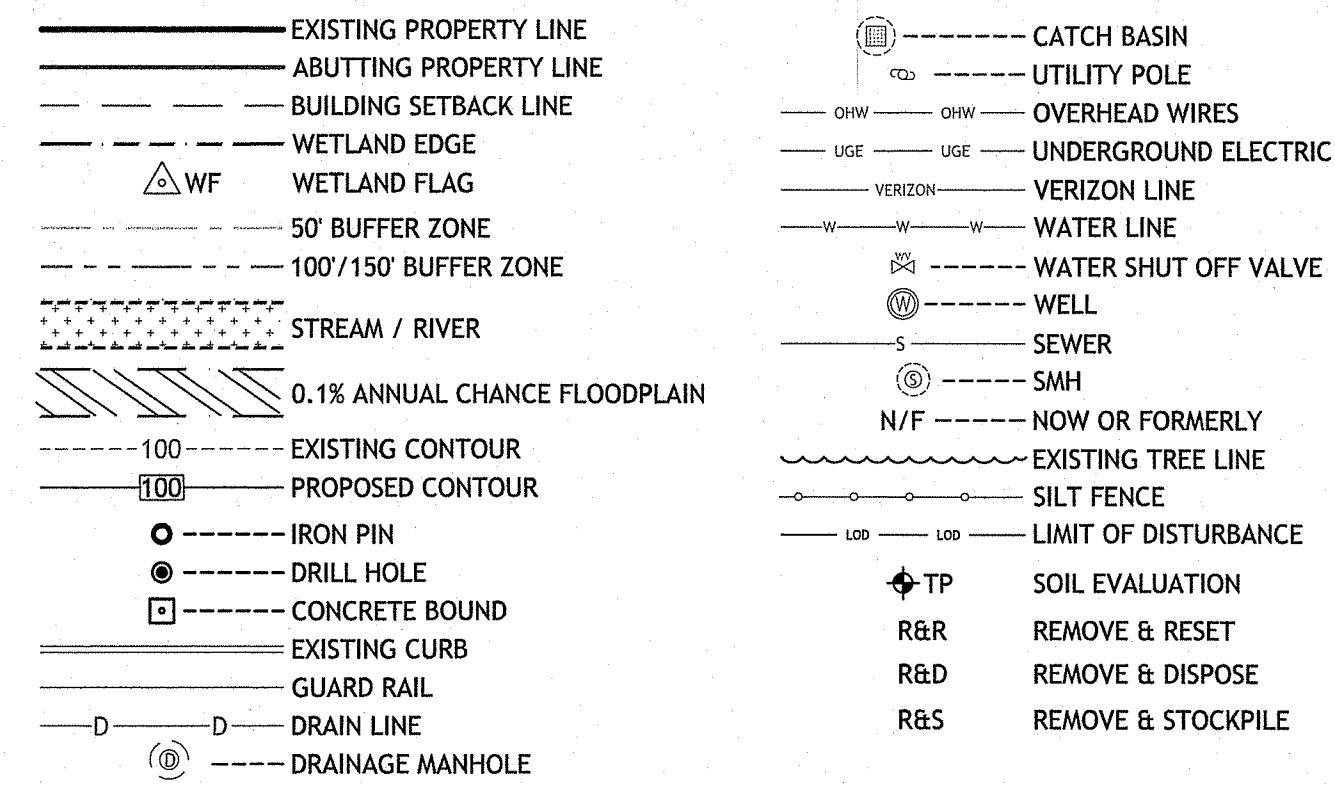
URI #2 IMPROVED SEED MIX, % BY WEIGHT:

- 40% CREEPING RED FESCUE
- 20% IMPROVED PERENNIAL RYEGRASS
- 20% IMPROVED KENTUCKY BLUEGRASS
- 20% KENTUCKY BLUEGRASS

RECOMMENDED SEEDING DATES ARE APRIL 1 TO JUNE 15 AND AUGUST 15 TO OCTOBER 15. AT THE CONTRACTOR'S DISCRETION, SEED MAY BE APPLIED BY HYDROSEEDING RATHER THAN THE METHOD DESCRIBED ABOVE.

* SEE SHT. 5 FOR SEEDING TYPE AND REQUIREMENTS FOR PRACTICE FIELD FOOTPRINT.

LEGEND:



C:\05-92_Town of Burrillville\05-92bx High St. Park Bridge\ACAD\High Street Park Bridge [PREMINT SET].dwg Oct. 26, 2023 8:53am

**HIGH STREET PARK
PEDESTRIAN BRIDGE**
BURRILLVILLE, RHODE ISLAND
AP 174, LOTS 79 & 80

REVISIONS:

NO.	DATE	DESCRIPTION
1	10/27/23	RIDEM RTC

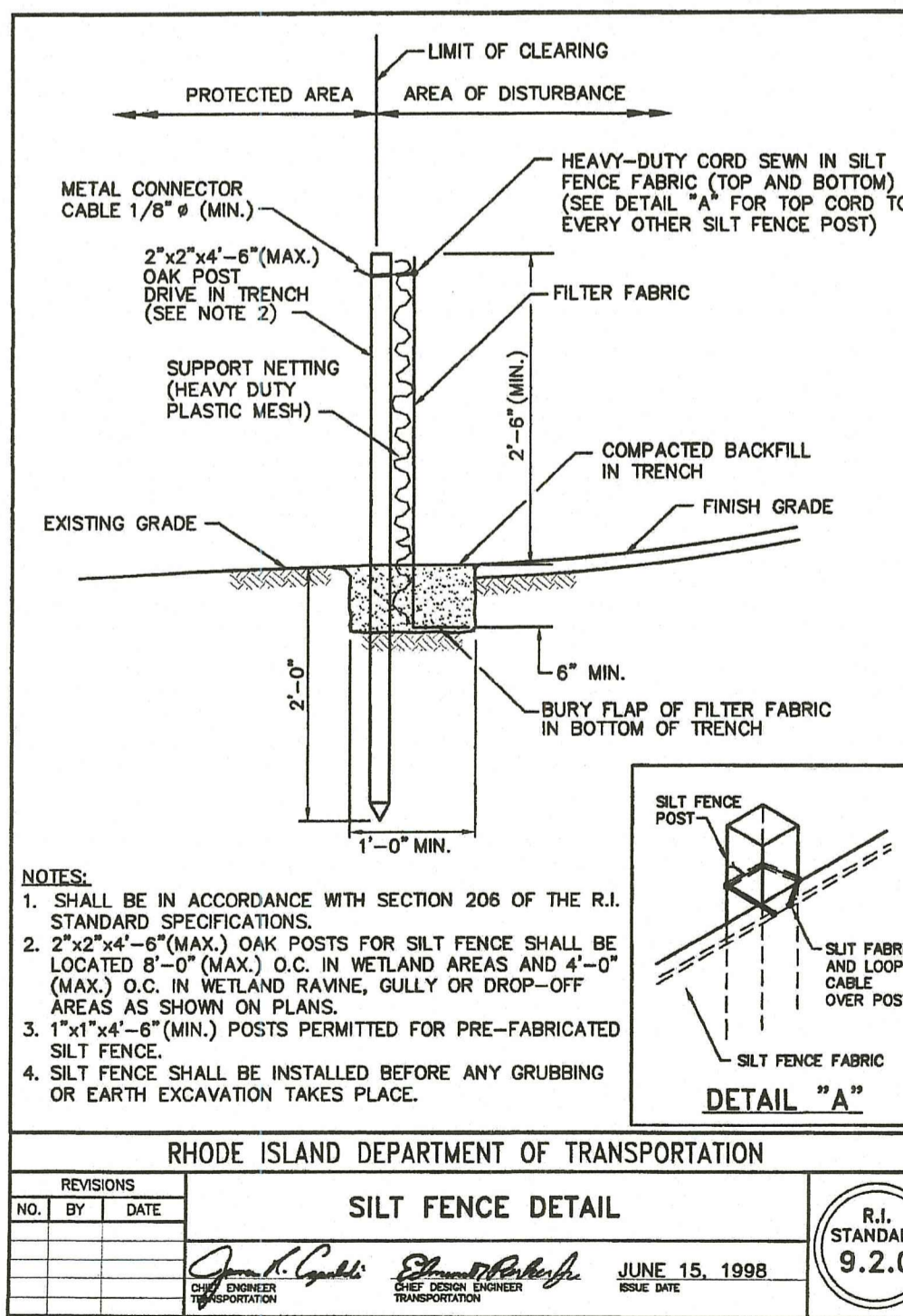
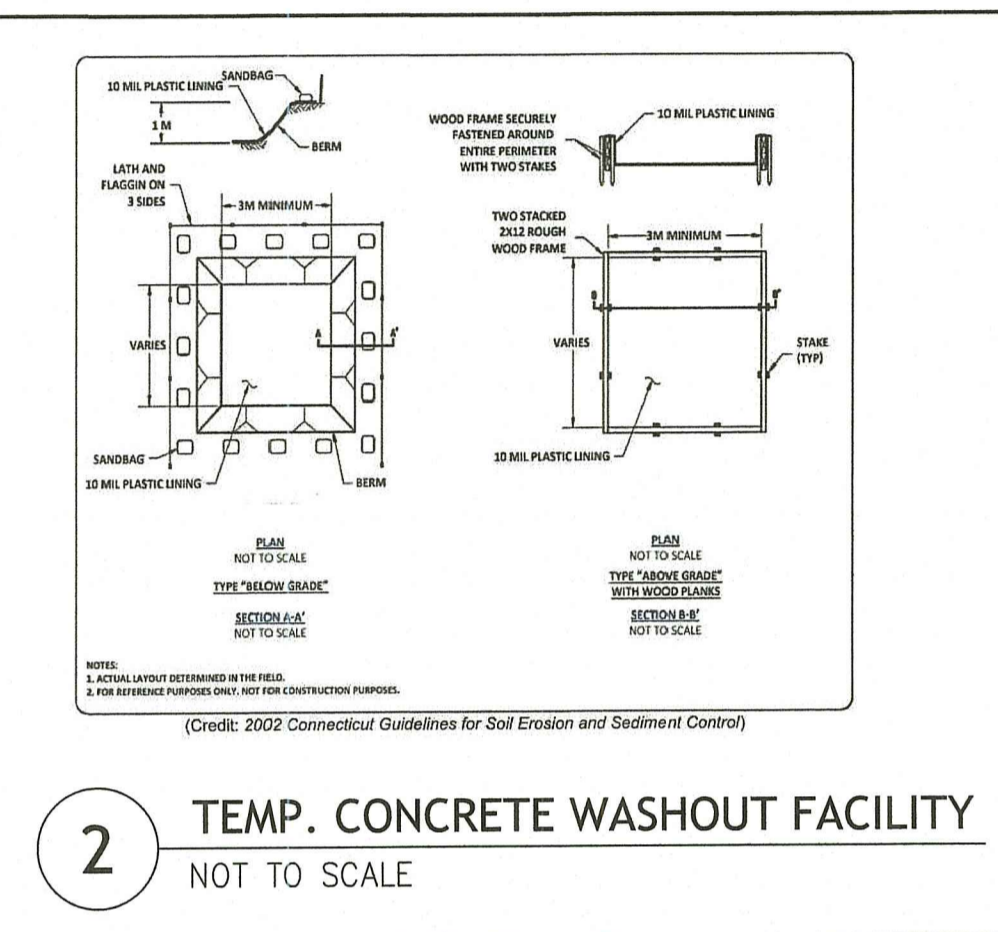
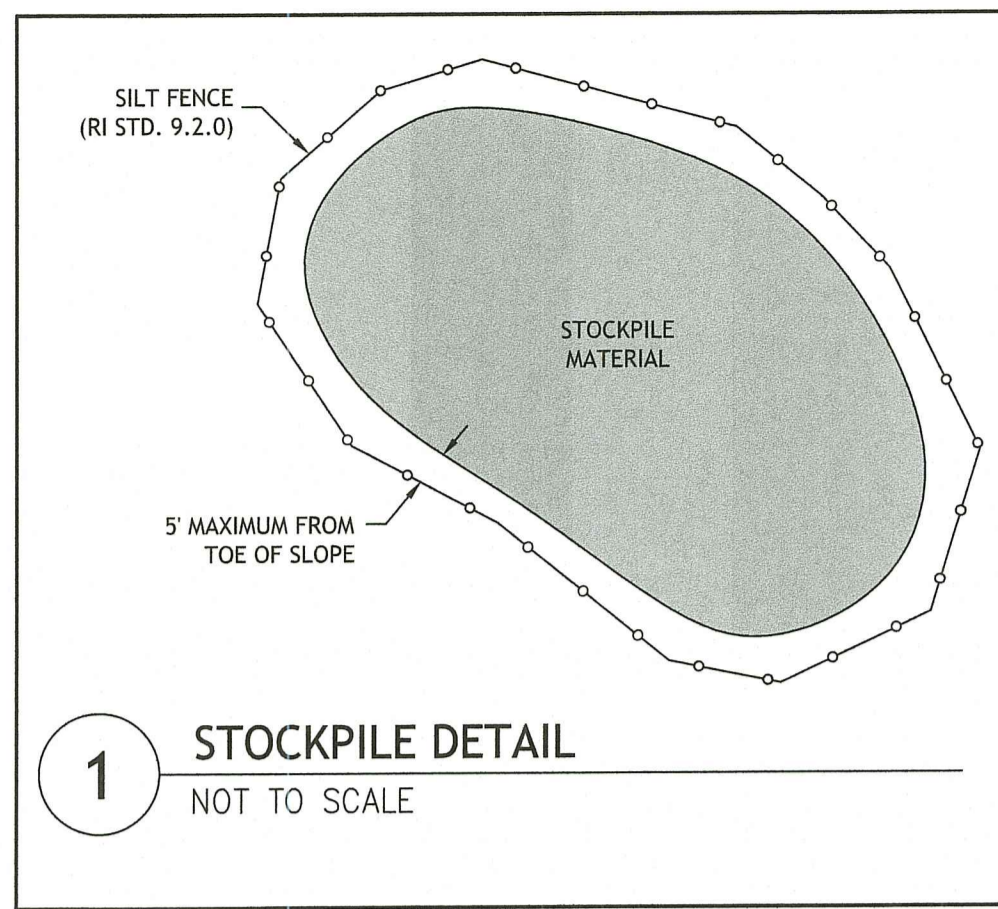
DESIGNED BY:	DRD
DRAWN BY:	SEP/SD
CHECKED BY:	JAC
DATE:	APRIL 2023
PROJECT NO.:	05-92bx

FOR RIDEM PERMITTING NOT FOR CONSTRUCTION

GENERAL NOTES AND LEGEND

SHEET 2 OF 5

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: FEB 07 2024 FILE # 23-0499
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Wenzel

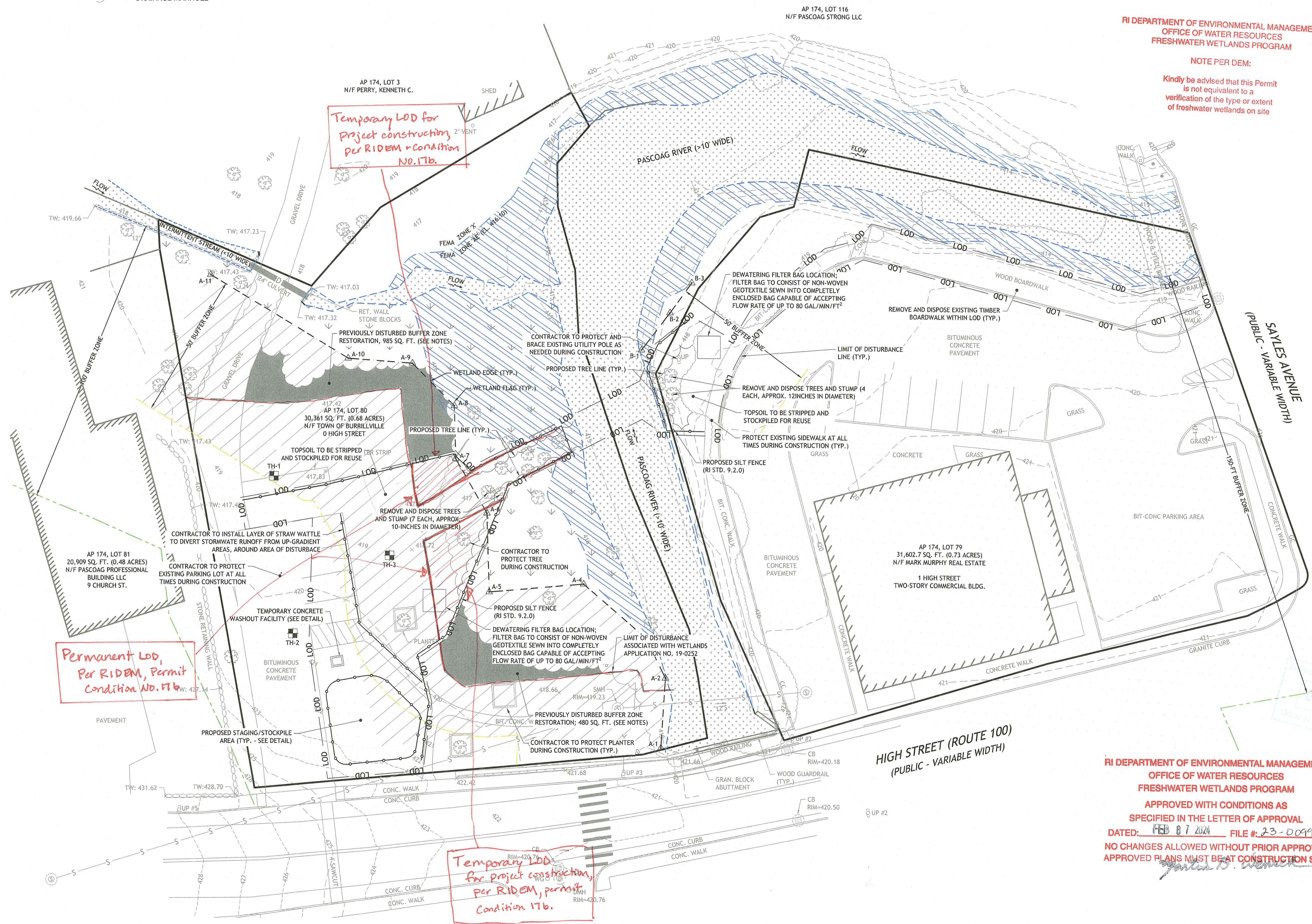


- LEGEND:**
- EXISTING PROPERTY LINE
 - ABUTTING PROPERTY LINE
 - BUILDING SETBACK LINE
 - WETLAND EDGE
 - WETLAND FLAG
 - 50' BUFFER ZONE
 - 100'/150' BUFFER ZONE
 - STREAM / RIVER
 - 0.1% ANNUAL CHANCE FLOODPLAIN
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - IRON PIN
 - DRILL HOLE
 - CONCRETE BOUND
 - EXISTING CURB
 - GUARD RAIL
 - DRAIN LINE
 - DRAINAGE MANHOLE
 - CATCH BASIN
 - UTILITY POLE
 - OVERHEAD WIRES
 - UNDERGROUND ELECTRIC
 - VERIZON LINE
 - WATER LINE
 - WATER SHUT OFF VALVE
 - WELL
 - SEWER
 - SMH
 - N/F
 - NOW OR FORMERLY
 - EXISTING TREE LINE
 - SILT FENCE
 - LIMIT OF DISTURBANCE
 - TP
 - SOIL EVALUATION
 - R&R
 - REMOVE & RESET
 - R&D
 - REMOVE & DISPOSE
 - R&S
 - REMOVE & STOCKPILE

BUFFER ZONE REPLANTING NOTES:

- PRIOR TO ANY LAND DISTURBING ACTIVITIES ASSOCIATED WITH THE PEDESTRIAN BRIDGE CONSTRUCTION, THE CONTRACTOR SHALL FURNISH AND INSTALL AN EQUAL QUANTITY EACH OF ARROW WOOD (VIBURNUM DENTATUM), SWEET PEPPER BUSH (CLETHRA ALNIFOLIA), AND WINTERBERRY (ILEX VERTICILLATA), TO BE RANDOMLY DISTRIBUTED THROUGHOUT THE REPLANTING AREA. SHRUBS SHALL BE 2 TO 3 FEET TALL AFTER PLANTING AND SPACED 5-FT ON CENTER.
- THE REMAINDER OF THE BUFFER ZONE REPLANTING AREA SHALL BE ALLOWED TO REVEGETATE NATURALLY.

3. Per RIDEM:
 Additional Buffer Zone Restoration/Replanting Areas to be replanted as described above, as required by Permit Condition Nos. 13-17a.



Permanent LOD, Per RIDEM, Permit Condition No. 17b.

Temporary LOD for project construction, Per RIDEM, permit Condition 17b.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 NOTE PER DEM:
 Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site

JCE
 JOE CASALI ENGINEERING, INC.
 CIVIL, SITE DEVELOPMENT, TRANSPORTATION
 DRAINAGE, WETLANDS, TRANSPORTATION
 300 POST ROAD, WARWICK, RI 02889
 (401) 944-1500 (401) 944-1515 FAX WWW.JCECASA.COM

JOSEPH A. CASALI
 No. 7250
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 10/26/2023

**HIGH STREET PARK
 PEDESTRIAN BRIDGE**
 BURRILLVILLE, RHODE ISLAND
 AP 174, LOTS 79 & 80



REVISIONS:

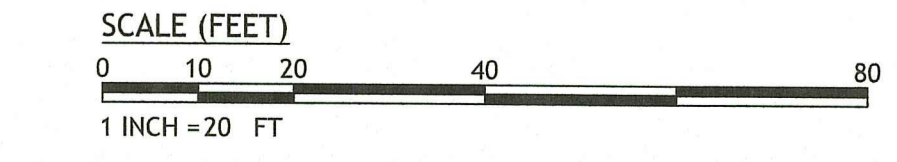
NO.	DATE	DESCRIPTION
1	10/27/23	RIDEM RTC

DESIGNED BY: DRD
 DRAWN BY: SEP/SD
 CHECKED BY: JAC
 DATE: APRIL 2023
 PROJECT NO: 05-92bx

FOR RIDEM PERMITTING NOT FOR CONSTRUCTION

EXISTING CONDITIONS & SITE PREP. PLAN

SHEET 3 OF 5





PEDESTRIAN BRIDGE
NOT TO SCALE



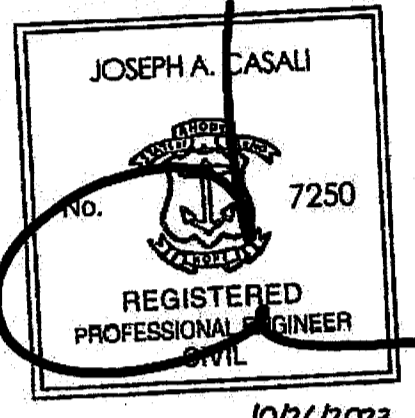
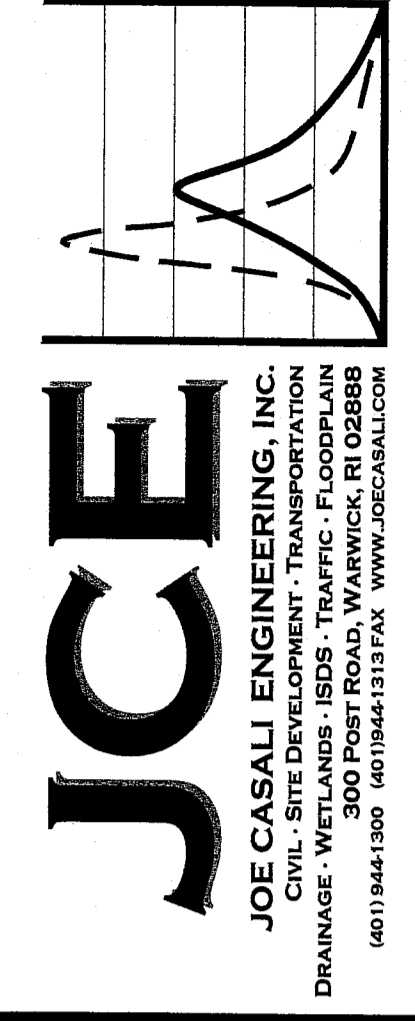
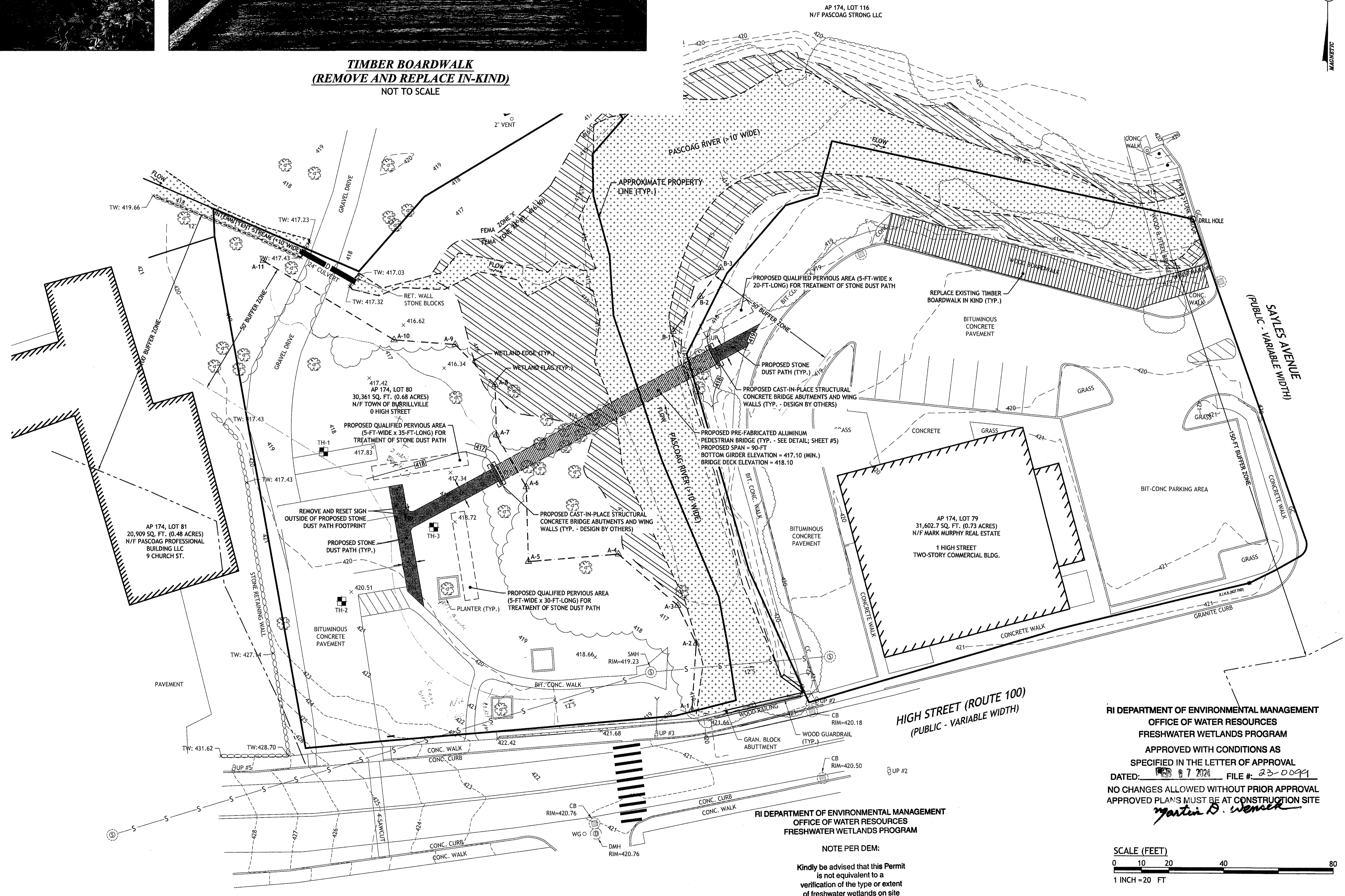
TIMBER BOARDWALK
(REMOVE AND REPLACE IN-KIND)
NOT TO SCALE

QUALIFIED PERVIOUS AREA NOTES:

1. AREAS DESIGNATED AS QUALIFIED PERVIOUS AREAS ON THIS PLAN MUST BE PROTECTED AT ALL TIMES DURING CONSTRUCTION FROM ANY UNNECESSARY COMPACTION FROM CONSTRUCTION EQUIPMENT. SUITABLE MEASURES OF PROTECTION INCLUDE SILT FENCE OR SNOW FENCE.
2. IN THE EVENT THAT COMPACTION OF DESIGNATED QUALIFIED PERVIOUS AREAS OCCURS, THE CONTRACTOR SHALL SUITABLY AMEND, TILL AND RE-VEGETATED ONCE CONSTRUCTION IS COMPLETE TO RESTORE INFILTRATION CAPACITY.
3. PROPOSED STONE DUST PATHS SHALL BE PITCHED SLIGHTLY (NO GREATER THAN 1%) TOWARDS QUALIFIED PERVIOUS AREAS.

ABUTMENT DEWATERING NOTES:

1. ALL CONSTRUCTION WORK SHALL BE PERFORMED IN THE DRY. FILTERED SUMPS THAT DISCHARGE INTO ON-SITE DEWATERING BASINS OR FILTER BAGS WILL BE SUITABLE. EXCAVATIONS SHOULD BE PITCHED SLIGHTLY TOWARDS THE SUMP. DISCHARGE TO DEWATERING BASIN OR FILTER BAG.
2. THE CONTRACTOR SHALL PROVIDE, OPERATE AND MAINTAIN ALL PUMPS, DRAINS, WET POINTS, SCREENS, OR OTHER FACILITIES NECESSARY TO CONTROL, COLLECT AND DISPOSE OF ALL SURFACE AND SUBSURFACE WATER ENCOUNTERED IN THE PERFORMANCE OF THE WORK.
3. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH OSHA REQUIREMENTS INCLUDING SHORING IN TRENCHES.
4. THE CONTRACTOR SHALL HAVE A BY-PASS PUMP AND ALL NECESSARY EQUIPMENT FOR EXCAVATION DEWATERING.
5. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A DEWATERING PLAN TO THE DESIGN ENGINEER OR RECORD FOR REVIEW AND APPROVAL. ALL DEWATERING SHALL BE IN ACCORDANCE WITH SECTION 203 OF THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION (RIDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR DESIGNING, FURNISHING, INSTALLING, OPERATING, MAINTAINING, AND SUBSEQUENTLY REMOVING TEMPORARY DEWATERING SYSTEM. REFER TO ADDITIONAL DEWATERING NOTES PROVIDED ON THIS SHEET.
 - 5.1. DEWATERING SYSTEM SHALL BE DESIGNED TO LOWER THE GROUNDWATER LEVEL TO A MINIMUM OF TWO (2) FEET BELOW THE MAXIMUM EXCAVATION LEVEL.
 - 5.2. DEWATERING DESIGN SHALL INCLUDE PROVISIONS FOR DIVERSION OF SURFACE WATER AWAY FROM EXCAVATIONS AND OTHER WORK AREAS, CONTROL AND REMOVAL OF PRECIPITATION FROM EXCAVATION AREAS, PREVENTION OF DISTURBANCE OF ADJACENT STRUCTURES DUE TO DEWATERING AND SEDIMENTATION CONTROLS OF DEWATERING EFFLUENT.
 - 5.3. CONTRACTOR SHALL SUBMIT THE FOLLOWING AS PART OF DEWATERING PLAN: QUALIFICATIONS AND CREDENTIALS OF DEWATERING CONTRACTOR, PROPOSED LOCATIONS OF DEWATERING EQUIPMENT, SHOP DRAWINGS AND DESIGN CALCULATIONS (STAMPED/CERTIFIED BY A RI REGISTERED PROFESSIONAL ENGINEER) AND PROPOSED INSTALLATION AND ABANDONMENT PROCEDURES.
6. UPON STABILIZATION OF THE LOWERED GROUNDWATER TABLE, THE CONTRACTOR SHALL EXCAVATE FOR ABUTMENT FOOTINGS. UPON EXPOSURE OF SUBGRADE, THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER OF RECORD FOR INSPECTION. ANY ORGANIC, LOOSE OR OTHERWISE DELETERIOUS MATERIAL SHALL BE REMOVED AND REPLACED WITH SUITABLE GRAVEL BORROW COMPACTED TO 95% DRY DENSITY (MODIFIED PROCTOR) AND CRUSHED STONE (MIN. 12-INCH DEPTH BELOW FOOTINGS). EXTENT OF UNSUITABLE MATERIAL REMOVAL WILL BE DETERMINED IN THE FIELD BY THE DESIGN ENGINEER OF RECORD. ANY UNSUITABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF OFF-SITE.



**HIGH STREET PARK
PEDESTRIAN BRIDGE**
BURRILLVILLE, RHODE ISLAND
AP 174, LOTS 79 & 80

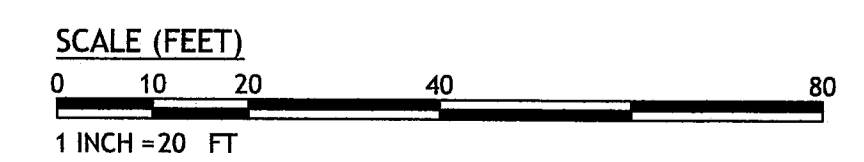


REVISIONS:

NO.	DATE	DESCRIPTION
1	10/27/23	RIDEM RTC

DESIGNED BY: DRD
DRAWN BY: SEPSD
CHECKED BY: JAC
DATE: APRIL 2023
PROJECT NO: 05-92bx

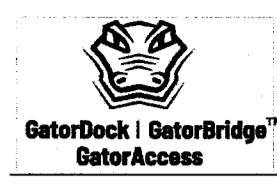
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: 4/7/2024 FILE # 23-0099
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Wemer



FOR RIDEM PERMITTING
NOT FOR CONSTRUCTION

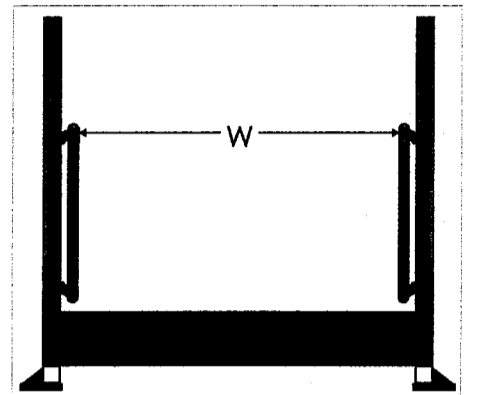
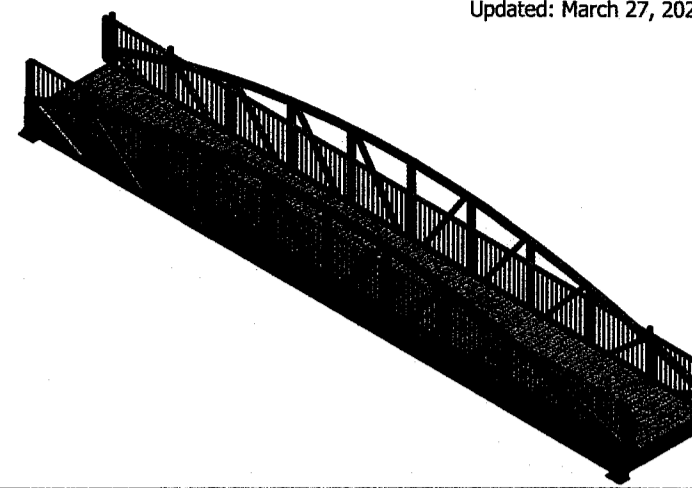
**SITE &
GRADING
PLAN**

**SHEET
4 OF 5**

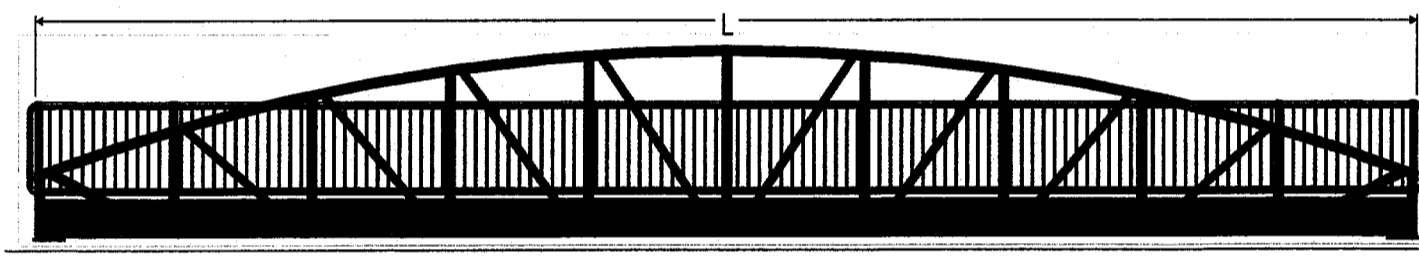


CONTOUR™ PEDESTRIAN BRIDGE

Maximum Length (L) ¹	up to 100'
Maximum Width (W)	up to 12'
Standard Wind Speed ²	90mph - 150mph
Structural Material	6061-T6 Aluminum (Recycled Billet)
Standard Color & Texture ³	Mill Finish Aluminum
Standard Live Load	90psf
Max Occasional Vehicle Load	up to 10,000lbs (HS)
Standard Design Codes ⁴	AASHTO LRFD Guide Specifications for the Design of Pedestrian Bridges, 2009 with 2015 Interim Revisions Aluminum Design Manual AWS D1.2 Structural Welding Code - Aluminum
Standard Railing ⁵	42" Combination
Standard Decking ⁶	9" Aluminum Deck Planks with Ribbed Surface
Other Standard Bridge Styles	Cascade™ Atlantis™ Warren



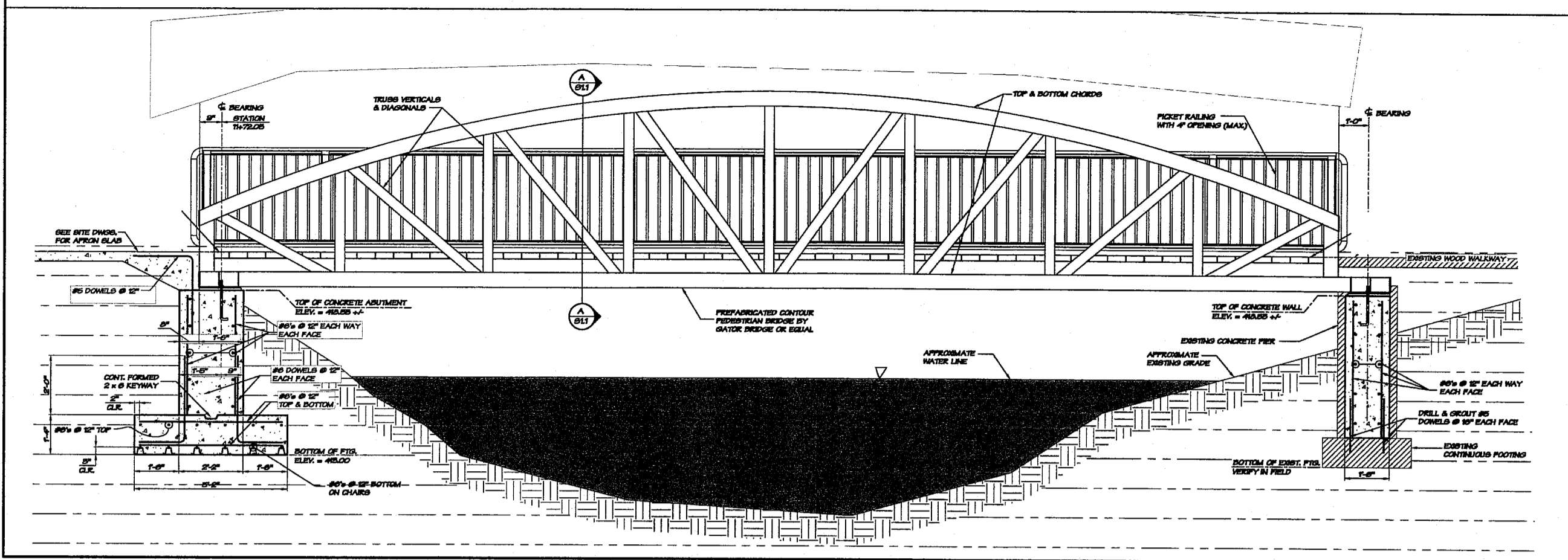
¹Spans longer than 100' are possible and require evaluation to determine feasibility.
²Wind speed based on ASCE 7-05 per AASHTO Pedestrian code.
³Premium color & texture options are available.
⁴Bridge can be designed per International Building Code criteria upon customer request.
⁵Horizontal guard rail, cable rail, mesh panel, 36" ADA grab rail, and custom rail options are available.
⁶Premium decking options are available.



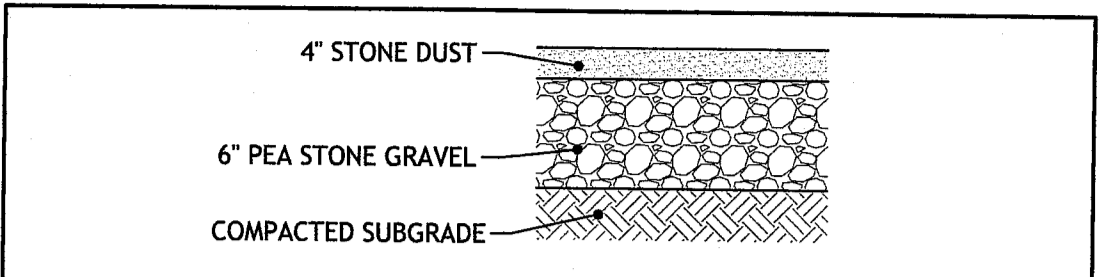
Gator Deck & Marine, LLC and Mantle Industries, LLC are wholly owned subsidiaries of CMI Limited Co.
 Visit cmilc.com/legal for more information on referenced trademarks and patents owned by CMI Limited Co.
cmilc.com 1-800-258-8857



FOR ABUTMENT FOUNDATION INFORMATION PURPOSES ONLY - NOT FOR CONSTRUCTION

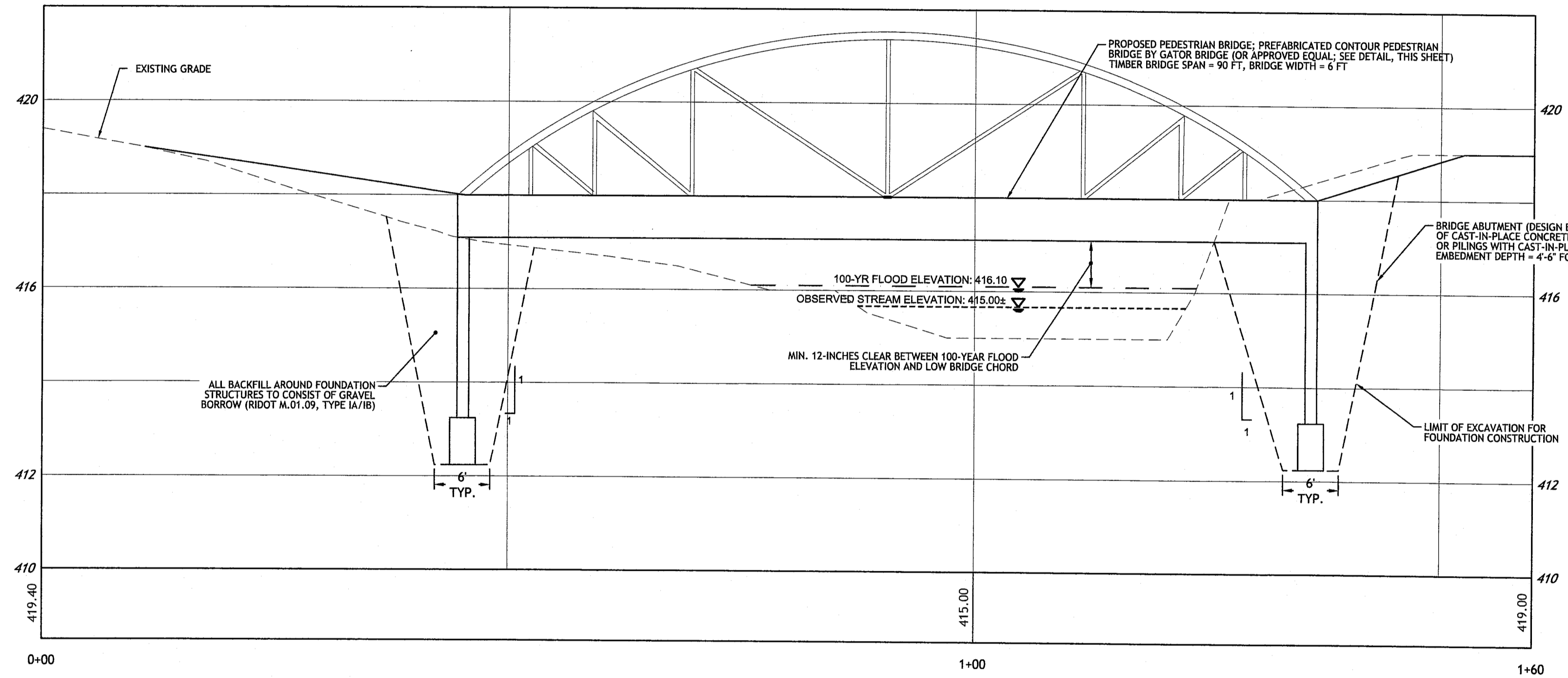


PEDESTRIAN BRIDGE CROSS SECTION
NOT TO SCALE

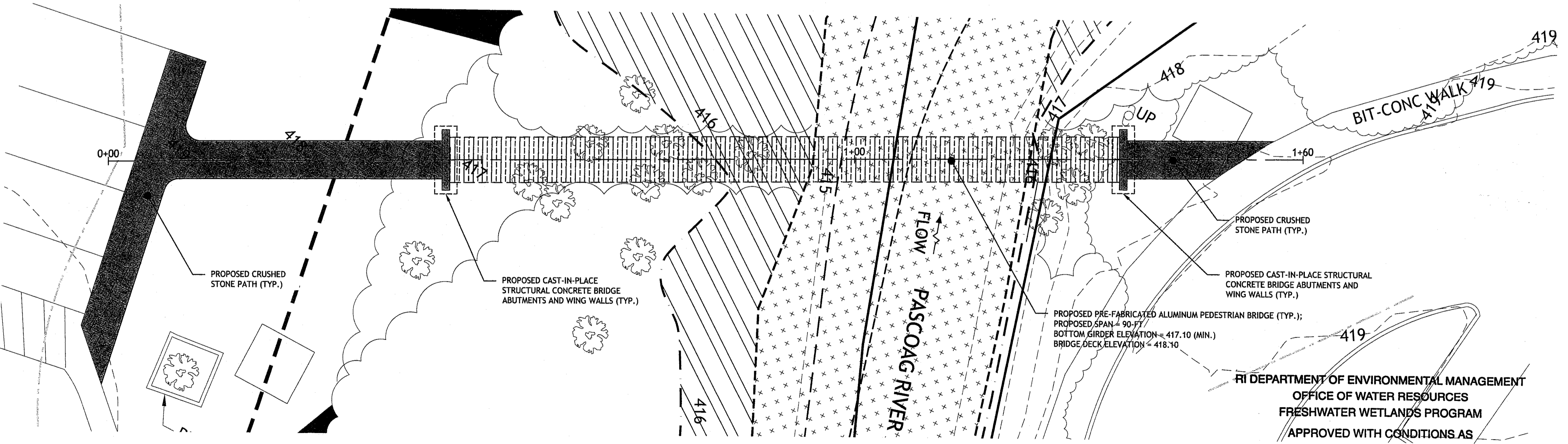


NOTE:
 1. IN AREAS OF EARTH EXCAVATION FOR STONE DUST PATH, THE CONTRACTOR SHALL REMOVE 10 INCHES OF EXISTING MATERIAL. IF UNSUITABLE MATERIALS ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER. THE DEPTH OF UNSUITABLE MATERIAL TO BE REMOVED WILL BE DETERMINED IN THE FIELD. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE THE UNSUITABLE MATERIALS AND REPLACE WITH SUITABLE MATERIAL APPROVED BY THE ENGINEER.
 2. STONE DUST PATH IS TO BE SET FLUSH WITH ADJACENT GRADE AND NOT "BUILT-UP" TO ADJACENT TOPOGRAPHY.

3 CRUSHED STONE PATH - TYPICAL SECTION
NOT TO SCALE



PEDESTRIAN BRIDGE PROFILE: STA 0+00 TO STA 16+00
HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 2'

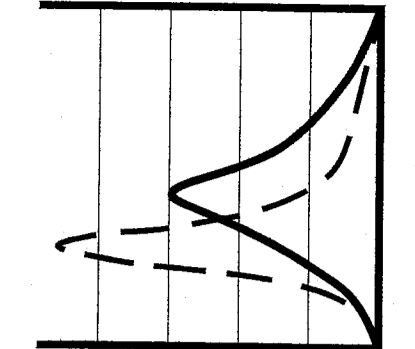


PEDESTRIAN BRIDGE CROSSING DETAIL PLAN
STA 0+00 TO STA 16+00
SCALE: 1" = 10'

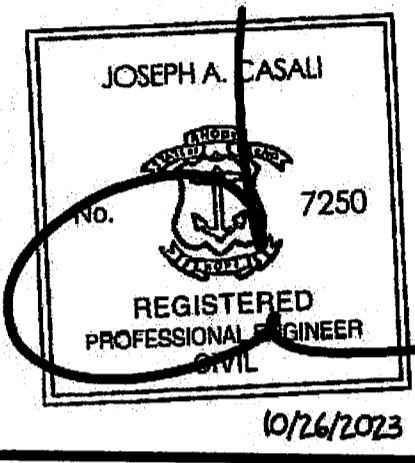
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED: FEB 07 2024 FILE #: 23-0099
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

ABUTMENT INSTALLATION NOTES:

- PRIOR TO ANY WORK ASSOCIATED WITH CONCRETE ABUTMENT CONSTRUCTION OR BRIDGE PLACEMENT, CONTRACTOR SHALL INSTALL ALL NECESSARY SOIL EROSION AND SEDIMENT CONTROL MEASURES AS DETAILED ON SHT. 3 AND AS DESCRIBED IN THE SOIL EROSION AND SEDIMENTATION CONTROL NOTES ON SHT. 2.
- ALL CONSTRUCTION WORK SHALL BE PERFORMED IN THE DRY. THE CONTRACTOR SHALL PROVIDE, OPERATE AND MAINTAIN ALL PUMPS, DRAINS, WET POINTS, SCREENS, OR OTHER FACILITIES NECESSARY TO CONTROL, COLLECT AND DISPOSE OF ALL SURFACE AND SUBSURFACE WATER ENCOUNTERED IN THE PERFORMANCE OF THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH OSHA REQUIREMENTS INCLUDING SHORING IN TRENCHES.
- ALL WORK ASSOCIATED WITH THE CONCRETE ABUTMENT CONSTRUCTION AND BRIDGE INSTALLATION SHALL BE LIMITED TO THE LOW FLOW PERIOD (THE PERIOD FROM JULY 1 TO OCTOBER 31 OF ANY CALENDAR YEAR).
- THE CONTRACTOR SHALL HAVE A BY-PASS PUMP AND ALL NECESSARY EQUIPMENT FOR EXCAVATION DEWATERING (SEE ADDITIONAL NOTES BELOW).
- THE GENERAL SEQUENCE OF CONSTRUCTION SHALL ADHERE TO THE FOLLOWING:
 - INSTALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. PERFORM TREE REMOVAL AND PRUNING AS NEEDED.
 - EXCAVATE FOR CONCRETE BRIDGE ABUTMENTS, INCLUDING ANY NECESSARY DEWATERING.
 - FORM, INSTALL REBAR, AND POUR CONCRETE ABUTMENTS. ALLOW ADEQUATE CURE TIME PER RIDOT STANDARD SPECIFICATIONS.
 - SET PREFABRICATED PEDESTRIAN BRIDGE.
 - INSTALL STONE DUST WALKS.
 - RESTORE SITE.
 - REMOVE EROSION CONTROLS UPON FINAL SITE STABILIZATION.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A DEWATERING PLAN TO THE DESIGN ENGINEER OR RECORD FOR REVIEW AND APPROVAL. ALL DEWATERING SHALL BE IN ACCORDANCE WITH SECTION 203 OF THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION (RIDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR DESIGNING, FURNISHING, INSTALLING, OPERATING, MAINTAINING, AND SUBSEQUENTLY REMOVING TEMPORARY DEWATERING SYSTEM. REFER TO ADDITIONAL DEWATERING NOTES PROVIDED ON THIS SHEET.
 - DEWATERING SYSTEM SHALL BE DESIGNED TO LOWER THE GROUNDWATER LEVEL TO A MINIMUM OF 18-INCHES BELOW THE MAXIMUM EXCAVATION LEVEL.
 - DEWATERING DESIGN SHALL INCLUDE PROVISIONS FOR DIVERSION OF SURFACE WATER AWAY FROM EXCAVATIONS AND OTHER WORK AREAS, CONTROL AND REMOVAL OF PRECIPITATION FROM EXCAVATION AREAS, PREVENTION OF DISTURBANCE OF ADJACENT STRUCTURES DUE TO DEWATERING AND SEDIMENTATION CONTROLS OF DEWATERING EFFLUENT.
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JOE
 JOE CASALI ENGINEERING, INC.
 CIVIL - SITE DEVELOPMENT - TRANSPORTATION
 DRAINAGE - WETLANDS - IDES - TRAFFIC - FLOODPLAIN
 300 POST ROAD, WARWICK, RI 02888
 (401) 944-1200 (401) 944-1317 FAX (401) 944-1318



**HIGH STREET PARK
 PEDESTRIAN BRIDGE**
 BURRILLVILLE, RHODE ISLAND
 AP 174, LOTS 79 & 80



REVISIONS:	
NO.	DATE DESCRIPTION
1	10/27/23 RIDEM RTC

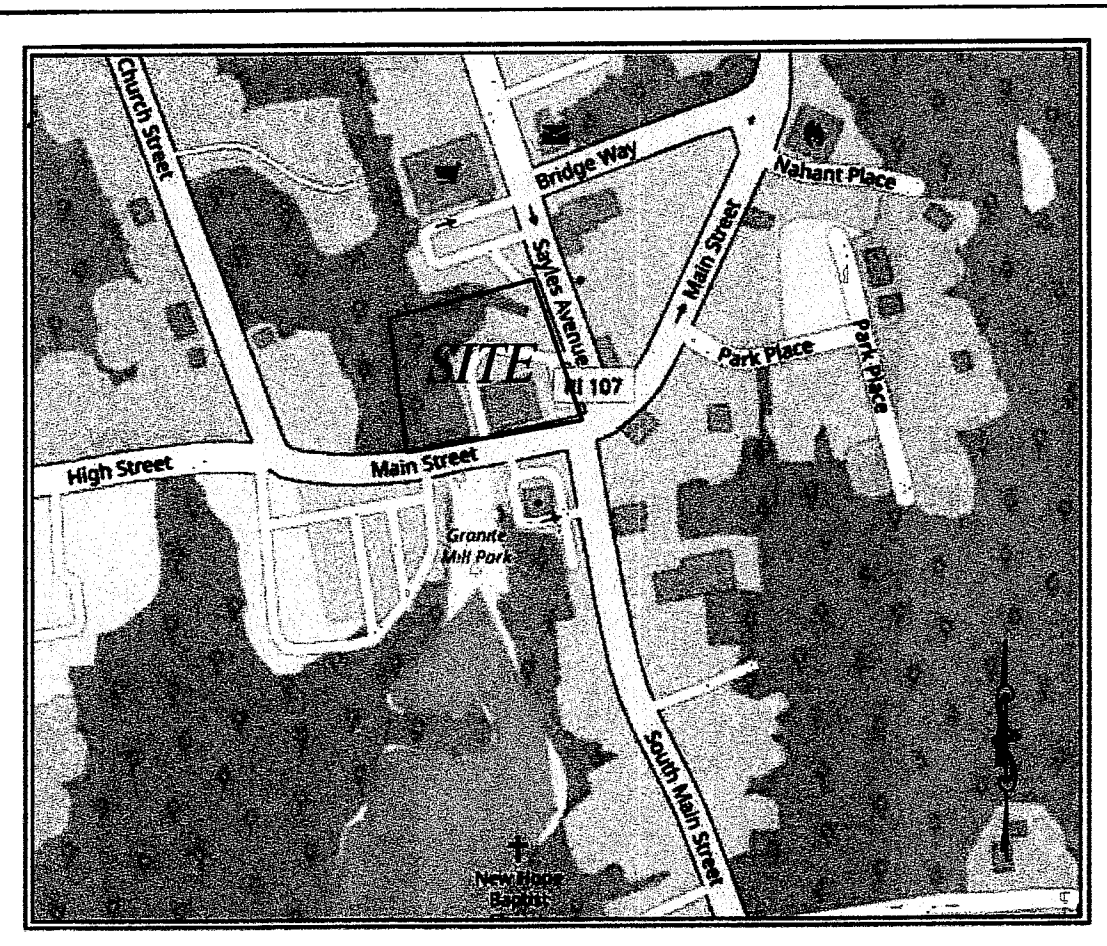
DESIGNED BY: DRD
 DRAWN BY: SEP/SD
 CHECKED BY: JAC
 DATE: APRIL 2023
 PROJECT NO: 05-92bx

FOR RIDEM PERMITTING NOT FOR CONSTRUCTION

DETAILS & BRIDGE PROFILE

SHEET 5 OF 5

C:\05-92 Town of Burrillville\05-92bx High St. Park Bridge\CAD\High Street Park Bridge (PERMIT SET).dwg Oct. 26, 2023 8:53am



LOCUS PLAN

REFERENCES

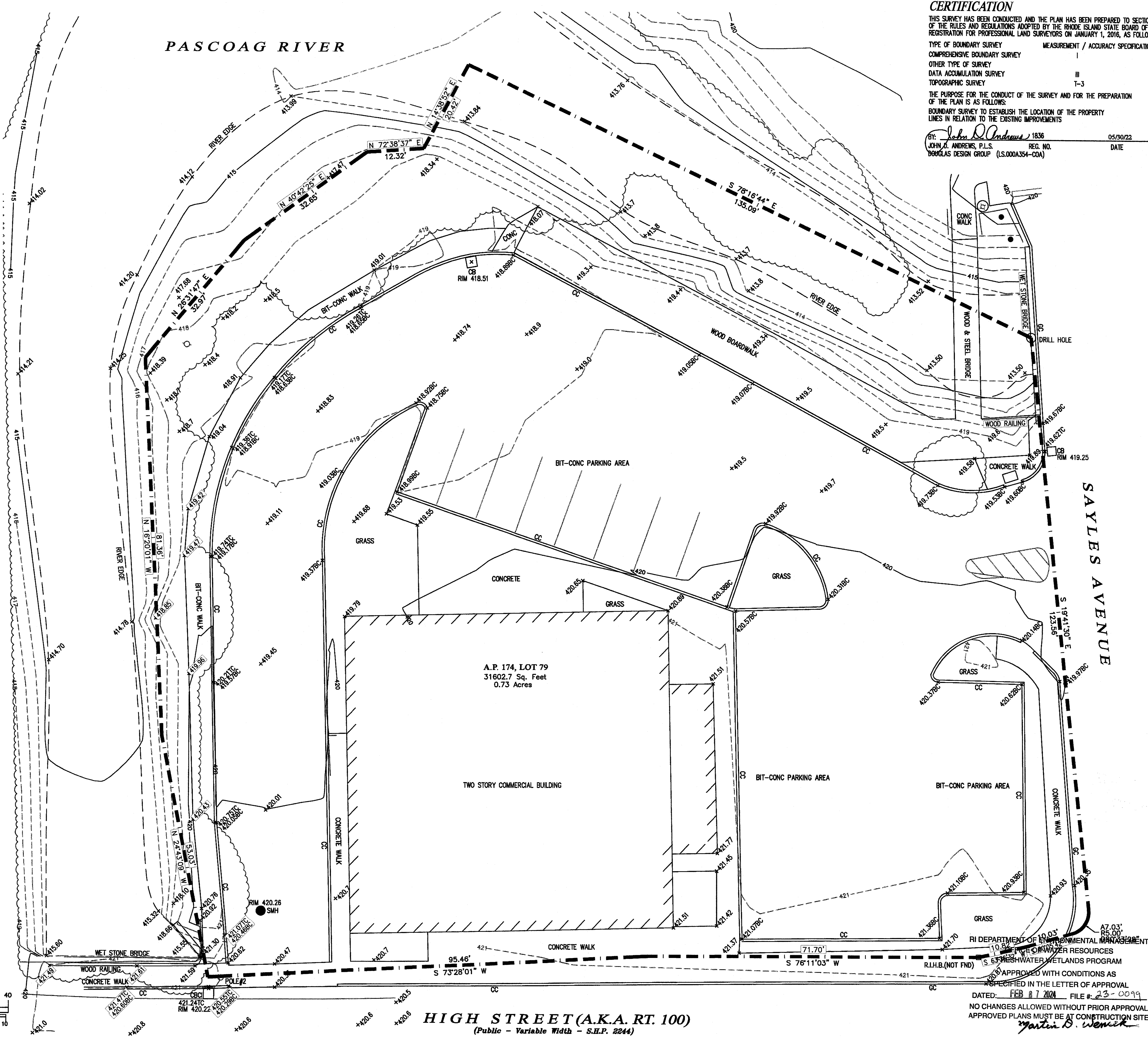
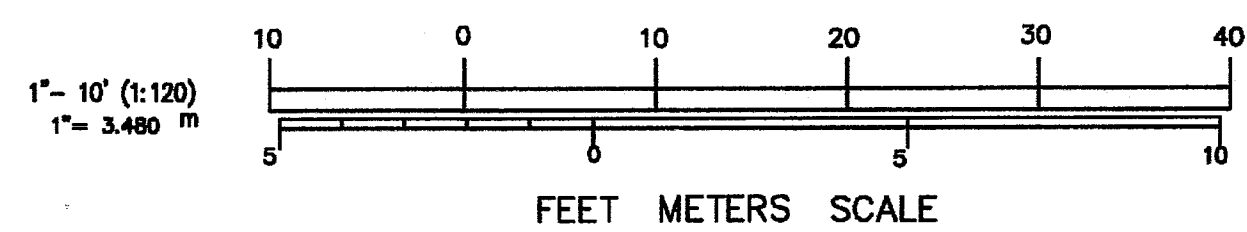
DEEDS
 LOT 79: DEED BOOK 575, PAGE 266
 LOT 116: DEED BOOK 881, PAGE 52
 LOT 80: DEED BOOK 223, PAGE 318

PLANS
 (2) RHODE ISLAND STATE HIGHWAY PLAT 2244, PROVIDED TO THIS OFFICE BY THE RHODE ISLAND STATE DEPARTMENT OF TRANSPORTATION.

LEGEND

- CB CATCH BASIN
- ⊕ POLE #1 UTILITY POLE
- ⊕ SIGN STREET SIGN
- SMH SEWER MANHOLE
- DMH DRAIN MANHOLE
- EMH ELECT MANHOLE
- TMH TELEPHONE MANHOLE
- OU— OVERHEAD UTILITIES
- E— ELECTRIC
- T— TELEPHONE
- W— WATER LINES
- D— STORM DRAIN
- S— SANITARY LINE
- G— GAS LINE
- AG— ABANDONED GAS LINE
- DSYL DOUBLE SOLID YELLOW LINE
- SWL SOLID WHITE LINE
- DWL DASHED WHITE LINE
- ✕ LIGHT
- ✕ FENCE
- ⊕ MONITORING WELL
- ⊕ WG WATER GATE
- ⊕ GG GAS GATE
- ⊕ HH HAND HOLE
- ⊕ HYD FIRE HYDRANT
- 10— EXISTING CONTOURS
- SPOT ELEVATION (NAVD-88)
- POINT OF APPLICATION
- TREE
- PINE TREE
- TREE LINE
- L.O.C. LEDGE OUT CROP
- D.H.(DRILL HOLE) OR RE-BAR
- PROPERTY LINE (EXISTING OR NEW)
- GRANITE BOUND W/ DRILL HOLE
- PROPERTY CORNER W/ MONUMENT
- TO BET SET

NOTE: SYMBOLS ARE TYPICAL AND SOME MAY NOT BE FOUND ON THIS PLAN.



CERTIFICATION
 THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON JANUARY 1, 2016, AS FOLLOWS:
 TYPE OF BOUNDARY SURVEY: COMPREHENSIVE BOUNDARY SURVEY
 MEASUREMENT / ACCURACY SPECIFICATIONS: I
 OTHER TYPE OF SURVEY: DATA ACCUMULATION SURVEY
 TOPOGRAPHIC SURVEY: III
 T-3
 THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:
 BOUNDARY SURVEY TO ESTABLISH THE LOCATION OF THE PROPERTY LINES IN RELATION TO THE EXISTING IMPROVEMENTS
 BY: *John D. Andrews* 1836 05/30/22
 JOHN D. ANDREWS, P.L.S. REG. NO. DATE
 DOUGLAS DESIGN GROUP (L.S.000A354-00A)

NOT FOR CONSTRUCTION

REVISIONS:

REV	DATE	COMMENT
1		
2		
3		
4		
5		

ZONING DISTRICT:

DRAWN BY: BSA
 CHECK BY: JDA

SEAL: TO THE BEST OF MY KNOWLEDGE & BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON

JOHN D. ANDREWS, P.L.S.

PREPARED FOR:
COMPREHENSIVE BOUNDARY SURVEY OF LAND
 PREPARED FOR
1 HIGH STREET
 A.P. 174, LOT 79
 BURRELLVILLE
 RHODE ISLAND
 Date: MAY 26, 2022
 Scale: 1" = 10'

PREPARED BY:

LAND SURVEYING • CONSULTING
 BAY TOWER - LOWER LEVEL - SUITE C
 101 PLAIN STREET
 PROVIDENCE, RHODE ISLAND 02903
 509-421-5728 774-284-0069
 douglasdesigngroup@gmail.com

SHEET: 1 OF 1
COMPREHENSIVE BOUNDARY AND TOPOGRAPHIC SURVEY

DDG PROJECT #: 05.22.1773
 DATE: 05/30/2022

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 DIVISION OF WATER RESOURCES
 R.I.H.B.(NOT FND) S 63' FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED: FEB 8 7 2024 FILE #: 23-0099
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Wemick