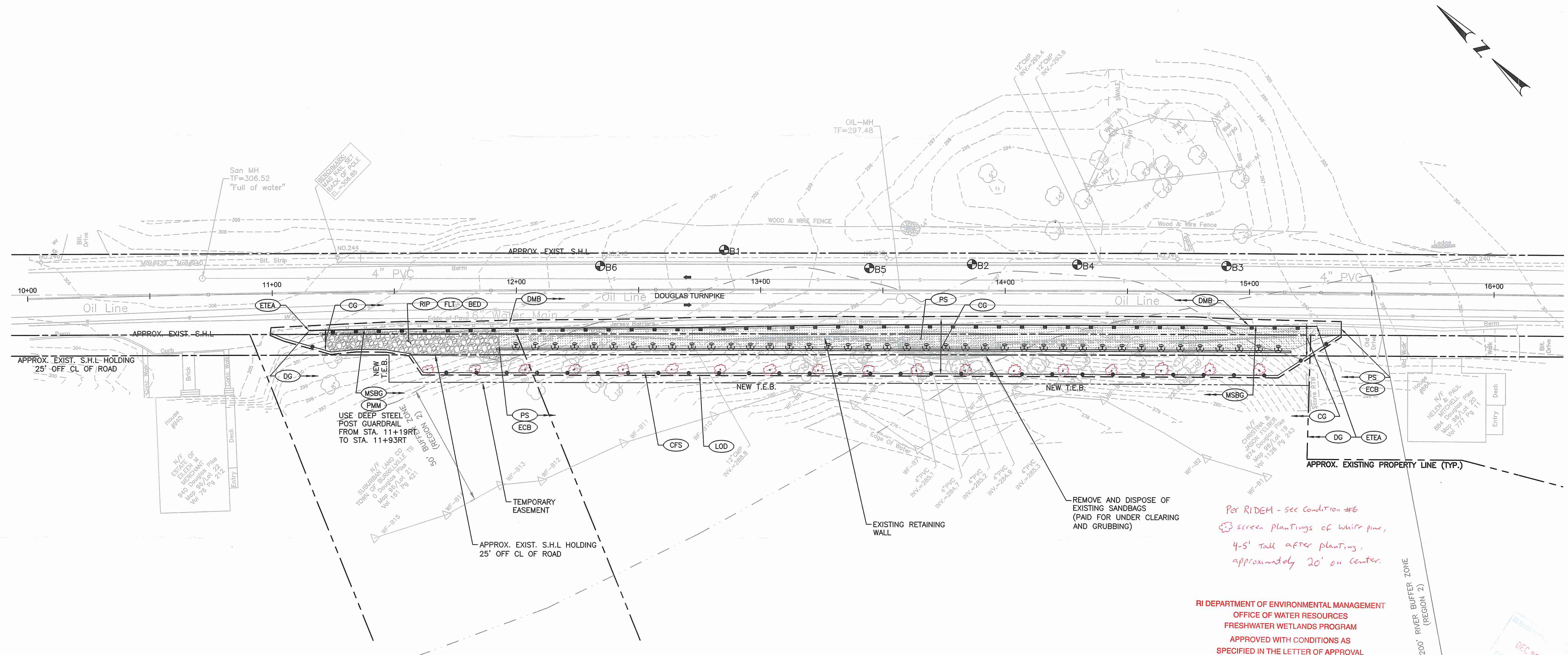


FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
00	RI	BHO-017B(002)	2023	013	026



Per RIDEM - see condition #6
 screen plantings of white pine,
 4-5' tall after planting,
 approximately 20' on center.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS
 SPECIFIED IN THE LETTER OF APPROVAL
 DATED: FEB 22 2024 FILE #: 22-0474
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

NOTES:
 1. ALL TREES LOCATED ALONG THE SLOPE WITHIN THE LIMITS OF DISTURBANCE SHALL BE REMOVED.



RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

DESIGNED BY: M.A.V.
 CHECKED BY: S.D.F.
 DATE: 12/16/2022
 SHEET: 013
 OF: 026

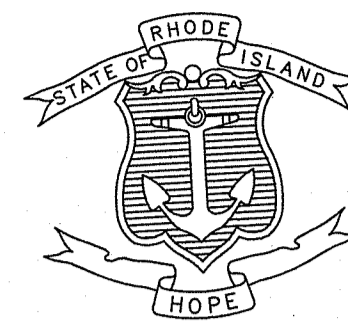
SCALE: 1"=20'

REVISIONS				REVISIONS			
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE

BRIDGE GROUP 17B
 ROUTE 7 RETAINING WALL
 BURLINGHAM CONTRACT: 00 VOLUME: 04
 GENERAL PLAN

- LIST OF VOLUMES**
- VOLUME 01 - BRIDGE NO. 011001
 - VOLUME 02 - BRIDGE NO. 011201
 - VOLUME 03 - BRIDGE NO. 067001
 - VOLUME 04 - BRIDGE NO. 067201
 - VOLUME 05 - ROUTE 7 RETAINING WALL

STATE OF RHODE ISLAND



DEPARTMENT OF TRANSPORTATION

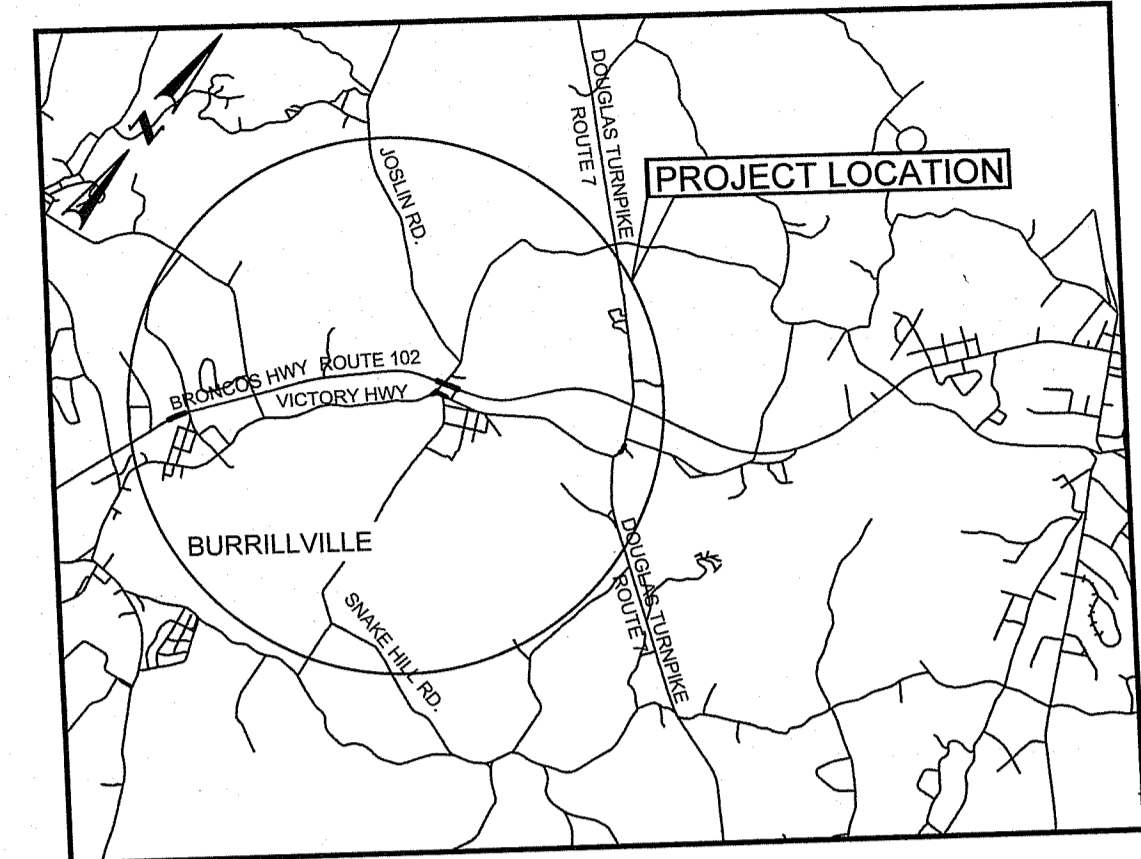
PLAN, PROFILE AND SECTIONS OF PROPOSED
ROUTE 7, VICTORY HIGHWAY AND ROUTE 102

BRIDGE GROUP 17B: REHABILITATION & PRESERVATION
OF BRIDGE 110, 112, 670, 672 AND ROUTE 7 RETAINING WALL

VOLUME 05: ROUTE 7 RETAINING WALL

TOWN OF BURRILLVILLE
COUNTY OF PROVIDENCE

R.I. CONTRACT NO. XXX
R.I. FAP NO. XXX



LOCATION MAP
1" = 5000'

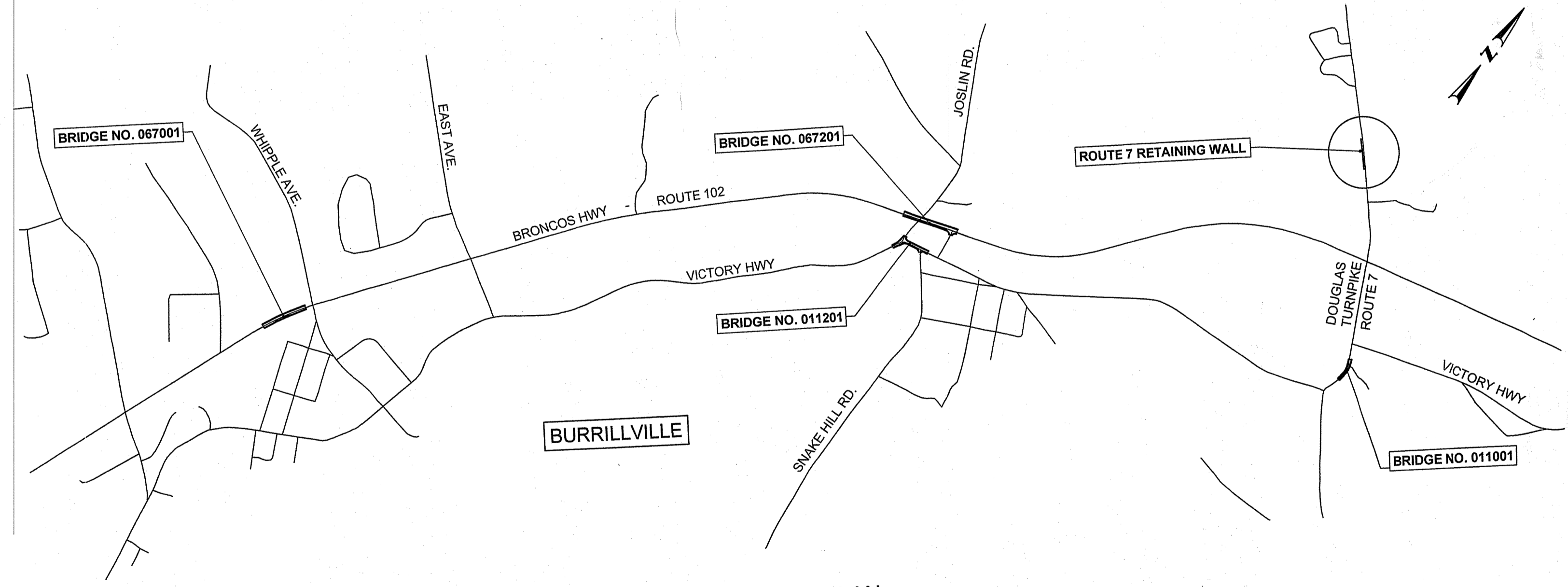
DESIGN DESIGNATION

	ROUTE 7	VICTORY HWY	ROUTE 102
AADT (2020)	4,900	3,200	15,200
AADT (2055)	5,830	3,810	18,100
D	68%	72%	65%
K	11%	11%	9%
T	N/A	N/A	12%
DDHV	360	260	850
DHV	530	360	1,300
DESIGN SPEED	30 M.P.H.	25 M.P.H.	55 M.P.H.

RIDEM FWW PERMIT APPLICATION PLANS
ROUTE 7 RETAINING WALL
SUBMISSION DATE: 09/13/2022

INDEX - VOLUME 05

Sheet Number	Sheet Title
001	COVER SHEET
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003	STANDARD NOTES NO. 1
004	STANDARD NOTES NO. 2
005	JOB SPECIFIC NOTES AND LEGEND
006	KEY PLAN
007	MISCELLANEOUS DETAILS NO. 1
008	MISCELLANEOUS DETAILS NO. 2
009	MISCELLANEOUS DETAILS NO. 3
010	MISCELLANEOUS DETAILS NO. 4
011	MISCELLANEOUS DETAILS NO. 5
012	MISCELLANEOUS DETAILS NO. 6
013	GENERAL PLAN
N/A	LAND COVER AND IMPACTS PLAN
014	MAINTENANCE & PROTECTION OF TRAFFIC PLAN NO. 1
015	MAINTENANCE & PROTECTION OF TRAFFIC PLAN NO. 2
016	MAINTENANCE & PROTECTION OF TRAFFIC PLAN NO. 3
017	TEMPORARY SIGNAL PLAN NO. 1
018	TEMPORARY SIGNAL PLAN NO. 2
019	LEGEND & LIST OF ABBREVIATIONS
020	GENERAL NOTES SHEET 1 OF 4
021	GENERAL NOTES SHEET 2 OF 4
022	GENERAL NOTES SHEET 3 OF 4
023	GENERAL NOTES SHEET 4 OF 4
024	GENERAL WALL PLAN & ELEVATION
025	TYPICAL SECTIONS
026	BORING LOGS 1 OF 2
027	BORING LOGS 2 OF 2
028	RETAINING WALL DETAILS



LAYOUT PLAN
1" = 1000'

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

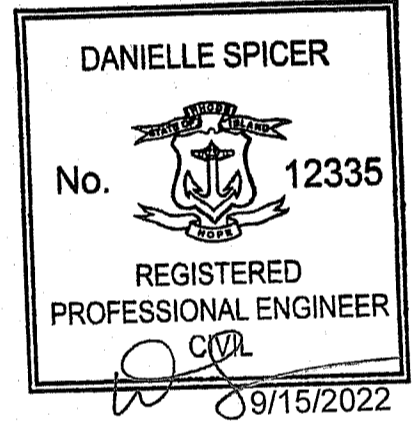
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: DEC 09 2022 FILE #: 22-0774
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Wenzel

NOT FOR CONSTRUCTION

Contract Number XXX
Number of Sheet 001
Total Sheets 028

BASE OF LEVELS
HORIZONTAL DATUM: RI STATE PLANE, NAD 83
VERTICAL DATUM: NAVD 88



90% DESIGN
SEPTEMBER 2022

R.I. DEPARTMENT OF TRANSPORTATION

APPROVED _____ DATE _____

ADMINISTRATOR, PROJECT MANAGEMENT

APPROVED _____ DATE SEP 30 2022

Office of Water Resources

CHIEF ENGINEER OF INFRASTRUCTURE DATE _____

APPROVED _____

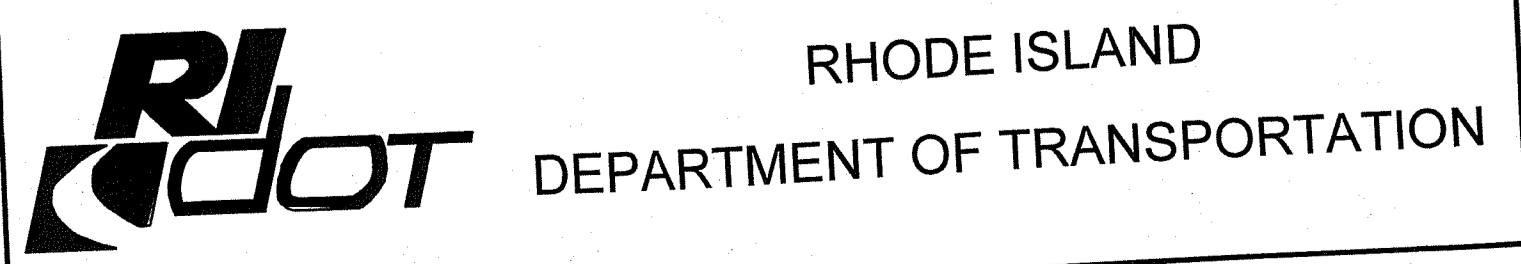
DIRECTOR DATE _____

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____

DIVISION ADMINISTRATOR DATE _____

R.I. STANDARD SPECIFICATIONS AND STANDARD DETAILS
SPECIFICATIONS TO GOVERN THIS PROJECT ARE THE R.I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION, AMENDED MARCH 2018, AND THE STATE AND FEDERAL SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS. STANDARD DETAILS FOR THIS PROJECT ARE R.I. STANDARD DETAILS, 1998 EDITION, WITH ALL REVISIONS.



DESIGNED BY: J.W.K.
CHECKED BY: K.P.R.
DATE: 06/01/2022
SHEET: 001
OF: 028

NO.	DATE	BY	REVISIONS	
			NO.	DATE

BRIDGE GROUP 17B
ROUTE 7 RETAINING WALL
CONTRACT: 00 VOLUME: 05
COVER SHEET

GENERAL NOTES:

- ANY DAMAGE TO EXISTING PAVEMENT, BRIDGES, CONDUIT, SIDEWALK, FENCES, ETC., CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.
- THE CONTRACTOR SHALL PLACE ALL EQUIPMENT AND MATERIAL AS FAR AWAY AS POSSIBLE FROM THE EDGE OF THE TRAVEL LANE SO AS NOT TO CAUSE A SAFETY HAZARD, IN ACCORDANCE WITH SECTION 106.06 OF THE R.I.D.O.T. STANDARD SPECIFICATION, LATEST EDITION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE EXISTING CONDITIONS ARE NOT OBLITERATED BEFORE CONTROL POINTS ARE LOCATED AND CONSTRUCTION LAYOUT IS ESTABLISHED. THE CONSTRUCTION LAYOUT SHALL BE PROVIDED IN SUFFICIENT DETAIL THEREBY ENABLING HIM TO CONSTRUCT THE PROJECT IN CONFORMITY WITH THE PLANS AND SPECIFICATIONS. SURVEY WILL BE PROVIDED BY THE CONTRACTOR. THE RESIDENT ENGINEER WILL NOT AUTHORIZE CONSTRUCTION ACTIVITIES TO BEGIN UNTIL HE IS SATISFIED THAT ALL GROUND CONTROL HAS BEEN ESTABLISHED, TIED DOWN, AND DULY RECORDED IN STANDARD FIELD BOOKS.
- ALL R.I. STD. 9.9.0 CONSTRUCTION ACCESS ROADS SHALL BE CONSTRUCTED PRIOR TO ANY ROADWAY ACCEPTING CONSTRUCTION TRAFFIC.
- THE FREQUENCY AND APPLICATION RATES FOR THE DUST CONTROL ITEMS WILL BE AS DIRECTED BY THE ENGINEER.
- ALL SIDEWALK AND DRIVEWAYS DESIGNATED FOR REPLACEMENT SHALL BE CUT AND MATCHED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- ASPHALT EMULSION TACK COAT SHALL BE PLACED PRIOR TO PAVEMENT PLACEMENT ON THE CONCRETE BASE OR COLD PLANED PAVEMENT, AND ON ANY NEW COURSE WHICH HAS BEEN OPEN TO TRAFFIC, OR ANY NEW COURSE WHICH HAS BEEN EXPOSED FOR MORE THAN 3 DAYS, AND/OR AS DIRECTED BY THE ENGINEER. IT SHALL ALSO BE APPLIED TO VERTICAL PAVEMENT FACES BETWEEN ADJOINING PAVEMENT SECTIONS. ALL APPLICATIONS ON BOTH HORIZONTAL AND VERTICAL SURFACES SHALL BE PAID FOR UNDER THE CONTRACT UNIT BID PRICE FOR CODE 403.0300 "ASPHALT EMULSION TACK COAT."
- THE LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS. IN ADDITION TO THOSE AREAS SPECIFICALLY DESIGNATED ON THE PLANS, THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND PLACING, AT HIS OWN EXPENSE, PLANTABLE SOIL AND SEED IN AREAS WHICH ARE OUTSIDE OF THE PROJECT'S AREAS OF DISTURBANCE AND WHICH ARE IMPACTED BY CONSTRUCTION OPERATIONS INCLUDING THOSE AREAS WHERE VEHICLES, EQUIPMENT AND MATERIALS ARE STORED WITH THE PERMISSION OF THE ENGINEER.
- UNDER NO CIRCUMSTANCE WILL THE CONTRACTOR BE ALLOWED TO STOCKPILE REMOVED PAVEMENT MATERIALS WITHIN THE PROJECT LIMITS.
- CLEANING AND SWEEPING OF PAVEMENT WILL INCLUDE REMOVAL OF ALL PAVEMENT DEBRIS PRIOR TO THE PLACEMENT OF EACH BITUMINOUS PAVEMENT LIFT. ALL CLEANING AND SWEEPING SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER.
- PRIOR TO INSTALLATION, ALL SIGNS, MOUNTINGS AND LOCATIONS SHALL BE APPROVED OR MODIFIED BY THE ENGINEER.
- THE COORDINATE SYSTEM IS THE R.I. STANDARD GRID SYSTEM, NAD 83. THE VERTICAL CONTROL IS NGVD 29.
- PAVEMENT OPERATIONS FOR CURBED SECTIONS: IN AREAS WHERE CURBING IS SET TO FINISH LINE AND GRADE, THE CONTRACTOR WILL NOT BE REQUIRED TO UTILIZE THE SENSOR AND SKY-TYPE DEVICE FOR AUTOMATIC GRADE CONTROL, BUT WILL BE ALLOWED TO MANUALLY ADJUST THE BITUMINOUS PAVER FOR CONTROLLING GRADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ROADWAYS FREE OF DEBRIS RESULTING FROM THEIR CONSTRUCTION OPERATIONS. ALL DEBRIS SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE STATE.
- NO FUEL STORAGE, VEHICLE REFUELING, OR EQUIPMENT STORAGE SHALL TAKE PLACE IN DESIGNATED WETLANDS, NOR WITHIN 100' OF ANY WATER BODY. THIS REQUIREMENT SHALL NOT SUPERSEDE ANY FEDERAL, STATE OR LOCAL LAW, ORDINANCE, RULE OR REGULATION THAT APPLIES TO THE SAME, UNLESS THIS REQUIREMENT IS MORE STRINGENT THAN SAID LAW, ORDINANCE, RULE OR REGULATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT AT THE END OF FINAL PAVING OPERATIONS, FLOW TO EXISTING DRAINAGE STRUCTURES HAS BEEN REESTABLISHED AND THAT NO ISOLATED DEPRESSIONS REMAIN. THERE SHALL BE NO SEPARATE PAYMENT FOR THIS PROVISION; IT SHALL BE CONSIDERED INCIDENTAL TO PAVING AND COLD PLANING OPERATIONS.
- ALL EMBANKMENTS SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING 12" (AFTER COMPACTION) AND SHALL BE COMPACTED AS SPECIFIED BEFORE THE NEXT LAYER IS PLACED. ALSO, EMBANKMENT CONSTRUCTION SHALL CONFORM TO SECTION 202.03.2 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- IF THIS PROJECT IS ON A HURRICANE EVACUATION AND DIVERSIONARY ROUTE, AS DESIGNATED ON THE COVERSHEET, THE CONTRACTOR IS ADVISED THAT UPON 12 (TWELVE) HOURS NOTICE THE ROADWAY SHALL BE OPEN TO EVACUEES AND EMERGENCY PERSONNEL. ANY EXTRA WORK NECESSARY TO COMPLY WITH THIS REQUIREMENT WILL BE REIMBURSED UNDER FORCE ACCOUNT PROCEDURES.
- THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE PROVISIONS, CONDITIONS, AND STIPULATIONS STATED IN THE ENVIRONMENTAL APPROVALS ISSUED FOR THE PROJECT FROM THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (RIDEM), AND/OR THE ARMY CORPS OF ENGINEERS (ACOE), AND/OR THE COASTAL RESOURCES MANAGEMENT COUNCIL (CRMC). COPIES OF EACH OF THESE PERMITS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH THESE CONDITIONS SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).
- FOR ALL PROJECTS INVOLVING KNOWN SITE REMEDIATION ISSUES, THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE CONSTRUCTION RELATED PROVISIONS, CONDITIONS, AND STIPULATIONS OF ANY REMEDIAL PLANS DEVELOPED FOR THE PROJECT. COPIES OF THESE DOCUMENTS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH COMPLIANCE WITH THESE DOCUMENTS SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).
- NO UNPROTECTED CONSTRUCTED FEATURE MAY PROJECT MORE THAN 4 INCHES ABOVE THE FINISHED GRADE OF A TRAVERSABLE SLOPE IN A CLEAR ZONE, e.g. HEADWALL, DRAINAGE INLET, ETC.
- THE REMAINING SECTION OR STUB OF A BREAKAWAY BASE MAY NOT PROJECT MORE THAN 4 INCHES ABOVE THE FINISHED GRADE OF A TRAVERSABLE SLOPE IN A CLEAR ZONE, e.g. SIGN POSTS, LIGHT POLES, FIRE HYDRANTS, ETC.

DRAINAGE AND EROSION CONTROL NOTES:

- FOR ALL PROJECTS WITH AT LEAST ONE(1) ACRE OF SOIL DISTURBANCE, R.I.D.O.T. IS REQUIRED TO DEVELOP AND ENFORCE A SITE SPECIFIC STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ORDER TO REMAIN IN COMPLIANCE WITH THE RIDDES GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE PROVISIONS, CONDITIONS, AND STIPULATIONS OF THE GENERAL PERMIT AND THE SITE SPECIFIC SWPPP FOR THIS PROJECT. COPIES OF THESE DOCUMENTS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH ADHERENCE TO THE SWPPP SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).
- NO UNDISTURBED AREAS SHALL BE CLEARED OF EXISTING VEGETATION AFTER OCTOBER 15 OF ANY CALENDAR YEAR OR DURING ANY PERIOD OF FULL OR LIMITED WINTER SHUTDOWN. ALL DISTURBED SOILS EXPOSED PRIOR TO OCTOBER 15 OF ANY CALENDAR YEAR SHALL BE SEEDED OR PROTECTED BY THAT DATE. ANY SUCH AREAS THAT DO NOT HAVE ADEQUATE VEGETATIVE STABILIZATION, AS DETERMINED BY THE RESIDENT ENGINEER OR ENVIRONMENTAL INSPECTOR, BY NOVEMBER 15 OF ANY CALENDAR YEAR, MUST BE STABILIZED THROUGH THE USE OF EROSION CONTROL MATTING OR HAY MULCH, IN ACCORDANCE WITH SPECIFICATIONS CONTAINED WITHIN THE R.I. SOIL EROSION AND SEDIMENT CONTROL HANDBOOK. IF WORK CONTINUES WITHIN ANY OF THESE AREAS DURING THE PERIOD FROM OCTOBER 15 THROUGH APRIL 15, CARE MUST BE TAKEN TO ENSURE THAT ONLY THE AREA REQUIRED FOR THAT DAY'S WORK IS EXPOSED, AND ALL ERODIBLE SOIL MUST BE REESTABLISHED WITHIN 5 WORKING DAYS. ANY WORK TO CORRECT PROBLEMS RESULTING FROM FAILURE TO COMPLY WITH THIS PROVISION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THERE WILL BE NO SEPARATE PAYMENT FOR THIS PROVISION, IT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION OPERATIONS. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 2 WEEKS OF FINAL GRADING.
- STOCKPILES OF MATERIAL SHALL NOT BE LOCATED WITHIN REGULATED WETLANDS OR BUFFER ZONE AREAS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 30% AND STOCKPILES OF ERODABLE MATERIAL SHALL ALSO BE SEEDED AND RINGED WITH R.I. STD. 9.1.0 TO STABILIZE.
 - SEEDING TYPE I.
 - ADHESIVE MULCH STABILIZER
- IF THE PLANS INCLUDE SPECIFIC AREAS FOR PLACEMENT OF CONSTRUCTION Dewatering BASINS AND/OR EQUIPMENT AND MATERIALS STORAGE AND STOCKPILING, AND IF THE CONTRACTOR ELECTS TO UTILIZE ANY OTHER AREAS FOR THESE PURPOSES, THIS SHALL BE APPROVED BY THE ENGINEER ONLY AFTER OBTAINING ANY NECESSARY PERMITS AND/OR PERMIT MODIFICATIONS FROM THE APPROPRIATE REGULATORY AUTHORITY(IES). ANY PERMITTING REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE ACCOMPLISHED AT NO COST TO THE STATE. THE ENGINEER WILL COORDINATE SUBMISSION OF ANY REQUIRED PERMIT APPLICATION MATERIALS WITH THE R.I.D.O.T. OFFICE OF ENVIRONMENTAL PROGRAMS.
- JUTE MESH SHALL BE USED TO STABILIZE PLANTABLE SOIL AND/OR LOAM IN ALL DITCHES ON ALL SLOPES ADJACENT TO WETLANDS AND WETLAND PERIMETERS, AND ON ALL SLOPES WITHIN WATER QUALITY BASINS. JUTE MESH IN DITCHES SHALL EXTEND TO AN ELEVATION 2 FEET ABOVE THE BOTTOM OF THE DITCH.
- SEEDING ON ALL SLOPES 3 TO 1 OR STEEPER SHALL CONSIST OF THE FOLLOWING APPLICATIONS UNLESS CHANGED IN THE CONTRACT.
 - ANY VEGETATIVE CLEARING SHALL BE LIMITED TO BRUSH AND TREES LESS THAN 3" DIAMETER.
 - NO HEAVY EQUIPMENT MAY ENCRONCH UPON VEGETATED PERIMETER OR RIVERBANK WETLANDS AS WELL AS BIOLOGICAL WETLANDS.
- UNVEGETATED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR PERIODS IN EXCESS OF 2 WEEKS OR THROUGH THE INACTIVE WINTER SEASON.
- PRIOR TO DRAINAGE AND UTILITY CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION (HORIZONTAL AND VERTICAL) OF ALL EXISTING PIPES AND/OR STRUCTURES WHICH ARE TO BE CONNECTED. ANY VARIATION FOUND FROM THE PLANS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO DRAINAGE AND UTILITY CONSTRUCTION. WORK CAN COMMENCE ONLY UPON THE ENGINEER'S AUTHORIZATION.
- ALL DRAINAGE AND UTILITY STRUCTURES WITHIN THE PAVED ROADWAY SHALL BE ADJUSTED TO GRADE WITH THE SURROUNDING PAVEMENT PRIOR TO THE WINTER SHUTDOWN.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL THROUGHOUT THE WORK AREA.
- CATCH BASIN RIM GRADES NOTED ON PLANS ARE DEPRESSED 0.1' LOWER THAN THE GUTTER GRADE. RIM ELEVATIONS SHOWN ARE FINAL GRADES. THE CONTRACTOR SHALL PLACE FRAMES AND GRATES 0.1' BELOW THE GRADE CONSTRUCTED IN THIS CONTRACT OR AS DIRECTED BY THE ENGINEER.
- PROVISIONS FOR CLEARING TO ACCESS OUTFALLS DURING THE CLEANING AND FLUSHING OF THE CLOSED DRAINAGE SYSTEM SHALL BE KEPT TO A MINIMUM.
 - ANY VEGETATIVE CLEARING SHALL BE LIMITED TO BRUSH AND TREES LESS THAN 3" DIAMETER.
 - NO HEAVY EQUIPMENT MAY ENCRONCH UPON VEGETATED PERIMETER OR RIVERBANK WETLANDS AS WELL AS BIOLOGICAL WETLANDS.
- THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL DEVICES FOR OUTLET PROTECTION PRIOR TO CLEANING AND FLUSHING STORM WATER DRAINAGE. EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL ALL FLUSHED SEDIMENTS ARE REMOVED. AT ALL OUTFALL LOCATIONS WHERE PIPES ARE TO BE CLEANED AND FLUSHED, OUTLET PROTECTION (R.I. STD. 9.1.0 OR 9.3.0) SHALL BE INSTALLED TO TRAP SEDIMENTS. THESE SEDIMENTS SHALL THEN BE REMOVED AND DISPOSED OF LEGALLY BEFORE THE OUTLET PROTECTION DEVICES ARE REMOVED. IF OUTLET PROTECTION AT THE OUTFALL IS NOT FEASIBLE, THEN THE OUTLET PIPE OF THE LAST DRAINAGE STRUCTURE TO BE CLEANED SHALL BE PLUGGED TO CAPTURE ALL MATERIALS FLUSHED FROM PIPES. AFTER THE MATERIALS ARE REMOVED FROM THE DRAINAGE STRUCTURE, THE OUTLET SHALL BE UNPLUGGED TO RESUME NORMAL FUNCTIONING.
- R.I. STD. 9.8.0 BALED HAY INLET PROTECTION SHALL BE INSTALLED AT ALL CATCH BASINS AND INLETS WHENEVER SUBBASE IS EXPOSED, AND SHALL REMAIN IN PLACE UNTIL THE ADJUTING GROUND SURFACES ARE STABILIZED.
- WHERE BALED HAY INLET PROTECTION AND SILT FENCES ARE USED AT CATCH BASINS, THEY SHALL BE REMOVED AT THE END OF THE PROJECT OR AS DIRECTED BY THE ENGINEER IN ORDER TO PREVENT CLOGGING OF THE INLET.

DRAINAGE AND EROSION CONTROL NOTES (CONTINUED):

- DETENTION AND RETENTION BASINS MAY BE ROUGH GRADED AND STABILIZED WITH VEGETATION AND/OR OTHER EROSION CONTROL MEASURES AS REQUIRED BY THE ENGINEER PRIOR TO USE AS TEMPORARY SEDIMENTATION BASINS DURING PROJECT CONSTRUCTION. FINAL BASIN CONSTRUCTION SHALL NOT COMMENCE UNTIL ALL SOURCES OF SEDIMENT HAVE BEEN ELIMINATED. FINAL ROADSIDE VEGETATION IS ESTABLISHED AND USE OF TEMPORARY BASINS IS NO LONGER REQUIRED AS DIRECTED BY THE ENGINEER. ANY ISSUES RELATING TO EROSION AND/OR SEDIMENT TRANSPORT INTO WETLAND AREAS RESULTING FROM SUCH USE OF SEDIMENTATION BASINS DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY CORRECTIVE ACTION REQUIRED TO RESOLVE SUCH ISSUES SHALL BE COMPLETED BY THE CONTRACTOR.
- THE TOE OF ANY FILL SLOPE IS TO REMAIN AT LEAST 1' INSIDE OF ALL EROSION CONTROLS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR COVER ANY PORTION OF THE EROSION CONTROL MEASURES WITH MATERIAL. ANY MATERIAL THAT IS PLACED ON ANY EROSION CONTROLS BY THE CONTRACTOR, OR ANY AGENT OF THE CONTRACTOR, SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR, AND ANY NECESSARY REPAIRS TO THE EROSION CONTROLS ACCOMPLISHED.
- PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED AT THOSE AREAS INDICATED ON THE PLANS. CLEARING MAY OCCUR PRIOR TO INSTALLATION OF SUCH CONTROLS, HOWEVER NO GRUBBING, GRADING, FILLING, OR OTHER SOIL DISTURBANCE SHALL OCCUR PRIOR TO INSTALLATION. THE LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS.
- ALL HAY BALES, SILT FENCE OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS IS ESTABLISHED. IF NEEDED, TEMPORARY SEEDING CAN HELP TO MINIMIZE EROSION. TEMPORARY SEED WILL CONFORM TO R.I.D.O.T. STANDARD TEMPORARY SEED MIX.
- THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE STATE.
- THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE SPECIFIED IN SUBSECTION L02.03 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- ADDITIONAL EROSION CONTROLS, SHALL BE INSTALLED AS DIRECTED BY THE RESIDENT ENGINEER. THESE ADDITIONAL ITEMS WILL BE PAID AT THE UNIT PRICE FOR THAT BID ITEM.

UTILITY NOTES:

- EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. BUILDING SERVICE CONNECTIONS (ELECTRIC, GAS, TELEPHONE, WATER AND SANITARY) ARE NOT SHOWN. CONTRACTOR IS TO ASSUME SERVICES ARE PRESENT TO ALL BUILDINGS.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE AND UTILITIES BOTH UNDERGROUND AND OVERHEAD BEFORE EXCAVATION BEGINS IN ACCORDANCE WITH CHAPTER 39-1.2 OF THE R.I. GENERAL LAWS ENTITLED "EXCAVATION NEAR UNDERGROUND UTILITY FACILITIES", WITH AMENDMENTS EFFECTIVE AS OF NOVEMBER 1, 2009 AND, WHEN NECESSARY, BY CONTACTING THE INDIVIDUAL UTILITY COMPANIES. EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY APPLICABLE CITY, TOWN, STATE OR FEDERAL AGENCY. THE CONTRACTOR SHOULD UNDERSTAND THAT NOT ALL UTILITIES SUBSCRIBE TO THE DIG SAFE PROGRAM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES AND ENSURE THAT ALL UTILITIES HAVE BEEN MARKED IN THE FIELD, OR AS A RESULT OF FAILING TO CONTACT THE APPROPRIATE UTILITY COMPANY, SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE STATE.

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

RI Department of Environmental Management
SEP 30 2022
Office of Water Resources

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

APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: DEC 09 2022 FILE #: 22-0474
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Martin D. Wenzel



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY: J.W.K.
CHECKED BY: K.P.R.
DATE: 06/01/2022
SHEET: 003
OF: 028

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17B
ROUTE 7 RETAINING WALL
BURRILLVILLE CONTRACT: 00 VOLUME: 05 RHODE ISLAND
STANDARD NOTES NO. 1

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
----	RI	XX-XXXX-XXX	2022	004	028

LANDSCAPE NOTES:

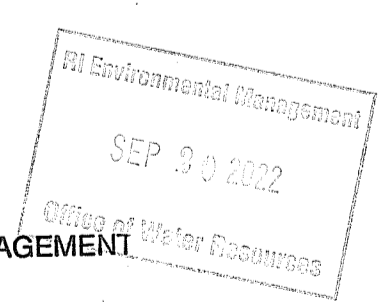
1. ALL PLANT MATERIAL MUST BE TAGGED AT THE NURSERY (A RECOGNIZED GROWER OF PLANT MATERIAL) IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION. ALL PLANT MATERIAL MUST BE NURSERY GROWN; NO PLANTATION GROWN PLANT MATERIAL WILL BE ACCEPTED.
2. ALL PLANT SUBSTITUTIONS AND/OR CHANGES IN PLANT LOCATION MUST BE APPROVED IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
3. ALL PLANT MATERIAL IS TO BE FIELD LOCATED BY A REPRESENTATIVE FROM THE R.I.D.O.T. LANDSCAPE ARCHITECTURE UNIT.
4. A R.I.D.O.T. LANDSCAPE REPRESENTATIVE MUST BE ON SITE TO APPROVE ALL TRIMMING AND CLEARING NECESSARY TO COMPLETE THE WORK AS SHOWN ON THE PLANS.
5. ANY TOPSOIL USED AS PLANTABLE SOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS, AND SHALL CONFORM TO SECTION M.18 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
6. ALL TREES AND SHRUBS SHALL BE MULCHED WITH PINE BARK MULCH IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
7. ALL TREES AND/OR SHRUBS THAT ARE PLANTED AS A BED SHALL BE MULCHED AS A BED.
8. PROVIDE A MINIMUM 6'-8" BRANCHING STANDARD ON ALL TREES INSTALLED ADJACENT TO SIDEWALKS AND/OR PEDESTRIAN ACCESS AREAS.

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

1. ALL MAINTENANCE AND PROTECTION OF TRAFFIC CONTROL SETUPS, SIGNS, CHANNELIZING DEVICES, ETC., SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. ALL SIGN MOUNTINGS FOR TEMPORARY AND CONSTRUCTION SIGNS SHALL BE IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
3. THE CONTRACTOR SHALL COVER ALL EXISTING AND/OR TEMPORARY SIGNS THAT ARE NOT RELEVANT TO THE TRAFFIC CONTROL REQUIRED DURING ANY PARTICULAR STAGE OF THE CONTRACT.
4. ADVANCE FLAGPERSON SIGNS (W20-7A) SHALL BE USED IN ADVANCE OF ANY POINT AT WHICH A FLAGPERSON OR A POLICE OFFICER HAS BEEN STATIONED TO CONTROL TRAFFIC. WHEN NEEDED, AN APPROPRIATE DISTANCE MESSAGE MAY BE DISPLAYED ON A SUPPLEMENTAL PLATE (24"x18") BELOW THE FLAGPERSON SYMBOL SIGN. THE SIGN SHALL BE PROMPTLY REMOVED OR COVERED WHENEVER THE FLAGPERSON IS NOT AT THE STATION.
5. POLICE OFFICERS (AND NOT FLAGPERSONS) SHALL BE UTILIZED WHEN WORK WILL IMPACT SIGNALIZED INTERSECTIONS AND LIMITED ACCESS HIGHWAYS.
6. POLYETHYLENE DRUMS SHALL BE UTILIZED AS A CHANNELIZING DEVICE WHEN A TRAFFIC CONTROL SET-UP IS TO REMAIN BEYOND WORKING HOURS WHEN NO WORKERS ARE PRESENT. CONES SHALL BE UTILIZED WHEN A TRAFFIC CONTROL SET-UP IS TO REMAIN ONLY DURING WORKING HOURS AND IS SUBSEQUENTLY BROKEN DOWN AT THE END OF THE WORKDAY.
7. ARROW PANELS SHALL BE SET IN THE FLASHING FOUR CORNERS CAUTION MODE UNLESS UTILIZED FOR A MERGING TAPER. ARROW PANELS SET IN THE FLASHING ARROW MODE SHALL NOT BE UTILIZED FOR LANE SHIFTS.
8. TEMPORARY CONSTRUCTION SIGNS AND OTHER WORKZONE TRAFFIC CONTROL DEVICES THAT ARE DAMAGED OR REQUIRE RELOCATION SHALL BE REPLACED AND / OR RELOCATED UNDER THE PAY ITEM FOR "MAINTENANCE AND MOVEMENT TRAFFIC PROTECTION."
9. THE PRIVATE VEHICLES OF CONSTRUCTION WORKERS SHALL NOT BE PARKED ON THE TRAVEL LANES OR SHOULDERS. THEY MAY BE PARKED WITHIN THE STATE RIGHT-OF-WAY ONLY IN AREAS 30' BEYOND THE OUTSIDE EDGE OF THE TRAVEL LANES AND/OR IN AREAS APPROVED BY THE ENGINEER.
10. TEMPORARY CONSTRUCTION SIGNS AND OTHER TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC, AND SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER APPROPRIATE.
11. THE INTENDED VEHICLE PATHS THROUGH EACH WORK ZONE SHALL BE CLEARLY MARKED AT ALL TIMES. WATERBORNE PAVEMENT MARKINGS SHALL BE INSTALLED BEFORE THE END OF THE WORK SHIFT ON ALL COLD-PLANED AND NEW ROADWAY SURFACES THAT WILL BE OPENED TO TRAFFIC AT THE END OF THE SHIFT.

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



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: DEC 09 2022 FILE # 22-074
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Martin D. Womack



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY: J.W.K.
CHECKED BY: K.P.R.
DATE: 06/01/2022
SHEET: 004
OF: 028

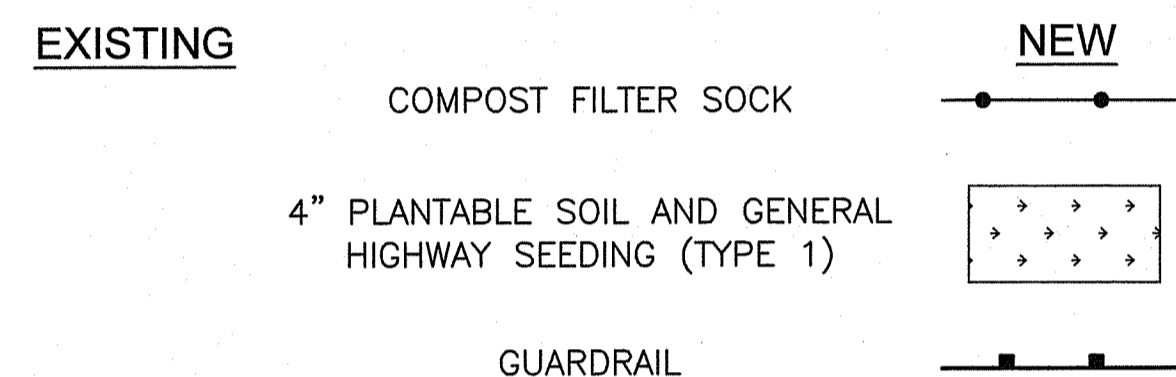
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17B
ROUTE 7 RETAINING WALL
BURRILLVILLE CONTRACT: 00 VOLUME: 05 RHODE ISLAND
STANDARD NOTES NO. 2

JOB SPECIFIC LEGEND (HIGHWAY)

- (CFS)** COMPOST FILTER SOCK 12" DIAMETER
- (ECB)** EROSION CONTROL BLANKET
- (REM)** REMOVE AND DISPOSE OF TREE AND STUMP
- (ISCD)** INLET SEDIMENT CONTROL DEVICE
- (MSBG)** MASH COMPLIANT STEEL BEAM GUARDRAIL, TL-3
- (ETE)** GUARDRAIL END TREATMENT - ENERGY ABSORBING TERMINAL (MASH)
- (PF-1)** PERVIOUS FILL
- (PMM)** PAVEMENT MILLINGS MULCH
- (RW-1)** RETAINING WALL
- (SC-1)** FULL DEPTH SAWCUT OF BITUMINOUS CONCRETE
- (SC-2)** SAWCUT AND MATCH EXISTING

JOB SPECIFIC PLAN SYMBOLS



JOB SPECIFIC LEGEND (TRAFFIC)

- (SABM)** SHOCK ABSORBING BARRIER MODULES
- (T6Y)** 6" YELLOW FAST DRYING WATERBORNE PAVEMENT MARKING
- (T12W)** 12" WHITE FAST DRYING WATERBORNE PAVEMENT MARKING
- (TBTL3)** TEMPORARY BARRIER (TL-3)
- (TBTL3A)** TEMPORARY BARRIER (TL-3) - ANCHORED
- PORTABLE TRAFFIC SIGNAL

JOB SPECIFIC GENERAL NOTES

- ALL ITEMS NOT REFERENCED FOR MODIFICATION ON THE PLANS OR IN THE CONTRACT DOCUMENTS WILL BE "EXISTING TO REMAIN" UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL REMOVE MATERIAL BELOW THE EXISTING SIDEWALKS AND PLACE NEW GRAVEL BORROW TO THE DEPTHS SHOWN ON R.I. STD. 43.1.0.
- ALL EQUIPMENT AND MATERIALS SHALL BE PLACED AN ADEQUATE DISTANCE (AS DETERMINED BY THE ENGINEER) FROM THE ROADWAY TO AVOID INTERFERENCE WITH VEHICULAR OR PEDESTRIAN TRAFFIC.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO BUILDINGS, WALLS, FENCES, AND WALKS THAT ARE ABUTTING SIDEWALKS AND DRIVEWAYS DESIGNATED FOR CONSTRUCTION OR REPLACEMENT. WHERE INDICATED OR DIRECTED, NEW SIDEWALKS SHALL MEET SAID BUILDINGS, WALLS, AND FENCES UNLESS OTHERWISE SPECIFIED.
- THE FINAL LOCATION OF ALL CURB RAMPS SHALL BE COORDINATED IN THE FIELD WITH PROPOSED AND/OR EXISTING LOCATIONS OF DRAINAGE STRUCTURES, UTILITY POLES, LIGHT POLES, AND OTHER APPURTENANCES TO ENSURE A MINIMUM 36" CLEAR PEDESTRIAN PATH.
- THE CONTRACTOR SHALL TAKE SPECIAL CARE NOT TO DAMAGE ANY EXISTING VEGETATION WHICH OVERHANGS OR IS ADJACENT TO THE CONSTRUCTION ZONE. ANY DAMAGE THAT IS CAUSED BY THE CONTRACTOR'S NEGLIGENCE WILL BE FIXED AT HIS OWN EXPENSE.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROTECTING FRESHLY PLACED CONCRETE SIDEWALKS AND DRIVEWAYS FROM DAMAGE UNTIL THE CONCRETE HAS CURED SUFFICIENTLY. COSTS TO REPLACE DAMAGE TO FRESHLY PLACED CONCRETE WILL BE THE CONTRACTORS RESPONSIBILITY.
- THE COST OF ANY CURB CUTTING REQUIRED TO INSTALL NEW CURB WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE NEW CURB.
- ANY BRICK SIDEWALK OR ROADWAY DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST. THE COST SHALL BE CONSIDERED INCIDENTAL TO THE PRICE BID FOR THE ASSOCIATED WORK ITEM CAUSING THE DAMAGE. ANY BRICK SIDEWALKS DAMAGED, SHALL MATCH THE SAME BRICK THAT EXIST INCLUDING CONCRETE BASE, UNLESS OTHERWISE INDICATED ON THE PLANS.
- DIMENSIONS SHOWN ON THE PLANS ARE APPROXIMATE.
- THE EXISTING CURB TO BE REMOVED AND RESET UNDER ITEM CODE 906.0700 "REMOVE, HANDLE, HAUL, TRIM AND RESET CURB - EDGING, STRAIGHT, CIRCULAR, ALL TYPES" (RHH) MAY BE LARGE AND IRREGULAR IN SHAPE. THE ASSOCIATED BID PRICE SHALL INCLUDE THE COMPLETE REMOVAL AND RESETTING OF THE CURB REGARDLESS OF THE SIZE AND SHAPE, INCLUDING ANY CURB CUTTING REQUIRED.
- THE CONTRACTOR SHALL NOTIFY IN WRITING ALL PROPERTY OWNERS ABUTTING THE SIDEWALK WORK 48 HOURS PRIOR TO COMMENCING WORK.
- THE TRANSITION STONE CUTTING AND RAMP CURB ARE INCLUDED IN THE UNIT PRICE OF THE CURB.
- ALL PROPOSED GUARDRAIL AND IMPACT DEVICES SHALL CONFORM TO THE MANUAL FOR ASSESSING SAFETY HARDWARE 2016 (M.A.S.H.) REQUIREMENTS AND AS DETAILED ON CONTRACT PLANS.
- PER RIDOT STANDARD SPECIFICATIONS, CLEAR AND GRUB ALL AREAS WITHIN FILL LOCATIONS AND LESS THAN 3 FEET IN HEIGHT TO SUBGRADE WITHIN THE LIMITS OF DISTURBANCE OF THE PROJECT. AFTER CLEARING AND GRUBBING, THE AREA SHALL BE STABILIZED AND FINISHED WITH LOAM AND SEED.
- EXISTING BITUMINOUS LEAKOFFS SHALL BE REPLACED IN-KIND OR AS DIRECTED BY THE ENGINEER.

JOB SPECIFIC UTILITY NOTES

- EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. BUILDING SERVICE CONNECTIONS (ELECTRIC, GAS, TELEPHONE, WATER, SANITARY, CABLE TELEVISION, ETC.) ARE SHOWN. CONTRACTOR IS TO ASSUME THAT OTHER SERVICES ARE PRESENT TO ALL BUILDINGS. LOCATIONS OF THE SERVICES WILL BE CHECKED BY THE CONTRACTOR WITH THE APPROPRIATE UTILITY COMPANIES.
- ALL EXISTING MANHOLES, CATCH BASINS, ROADWAY BOXES, AND SIDEWALK CURB STOPS FOR ALL UTILITIES WITHIN THE PROJECT WORK LIMITS SHALL BE ADJUSTED TO GRADE AS REQUIRED EXCEPT WHERE REPLACEMENT OR RECONSTRUCTION IS CALLED FOR ON THE PLANS, IN THE CONTRACT DOCUMENTS, OR DIRECTED BY THE ENGINEER.
- IN AREAS WHERE EXISTING GRANITE APRON AND/OR INLET STONES ARE TO REMAIN, THE MINIMUM GUTTER OPENING PER THE R.I. STANDARD DETAILS MUST BE OBTAINED AND MAINTAINED. THERE WILL BE NO SEPARATE PAY ITEM FOR THIS WORK, IT SHALL BE CONSIDERED INCIDENTAL TO PAVING OPERATIONS.
- ONLY NON-MECHANICAL MEANS OF EXCAVATION SHALL BE USED IN AREAS ADJACENT TO UNDERGROUND UTILITIES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 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 FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.

JOB SPECIFIC EROSION CONTROL NOTES

- INLET SEDIMENT CONTROL DEVICES (ISCD) SHALL BE INSTALLED, IN LIEU OF R.I. STD. 9.8.0 BALED HAY INLET PROTECTION, AT ALL CATCH BASINS WHENEVER SUBBASE IS EXPOSED OR AS DIRECTED BY THE ENGINEER, AND SHALL REMAIN IN PLACE UNTIL THE ABUTTING GROUND SURFACES ARE STABILIZED.
- IN ORDER TO PREVENT CLOGGING IN THE ROADWAY AND SEDIMENT INTRUSION INTO THE DRAINAGE SYSTEM, ALL INLET SEDIMENT CONTROL DEVICES SHALL BE CLEANED OR REPLACED REGULARLY UNTIL THE CONTRIBUTING AREA HAS BEEN STABILIZED. THE INLET SEDIMENT CONTROL DEVICES SHALL BE REMOVED AT THE END OF THE PROJECT OR AS DIRECTED BY THE RESIDENT ENGINEER.
- CONCRETE WASHOUT DISCHARGED INTO DRAINAGE SYSTEMS IS PROHIBITED. THE CONTRACTOR MUST PROVIDE A CONCRETE WASHOUT AREA.

JOB SPECIFIC LIGHTING NOTES

- ALL EXISTING HIGHWAY LUMINAIRES SHALL BE UPGRADED TO LED, MEETING CURRENT STATE REQUIREMENTS.
- THE EXISTING HIGHWAY LIGHTING SHALL BE REMOVED AND RESET, AS NEEDED, TO CONSTRUCT THE PROJECT ACCORDING TO THE FINAL APPROVED PLANS.
- ANY LIGHT STANDARDS AND/OR LUMINAIRES DAMAGED BY THE DB ENTITY DURING CONSTRUCTION SHALL BE REPLACED, AT NO COST TO THE STATE.
- NEW OVERHEAD LIGHTING IS REQUIRED ON THE FLYOVER RAMP FOR ROUTE 37 EB TO I-295 NB. ADDITIONALLY, NEW UNDER-BRIDGE LIGHTING IS REQUIRED UNDER BRIDGE NO. 066201 AND BRIDGE NO. 062101. THE DB ENTITY SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ALL NEW LIGHTING AND ELECTRICAL SYSTEMS IN COMPLIANCE WITH RIDOT STANDARD SPECIFICATIONS AND STANDARDS, THE NATIONAL ELECTRICAL CODE.
- THE DB ENTITY SHALL BE RESPONSIBLE FOR ALL CALCULATIONS REQUIRED TO DETERMINE THE APPROPRIATE NUMBER, SPACING, MOUNTING HEIGHT, ETC. OF THE LIGHTING FOR THE LOCATIONS MENTIONED ABOVE IN NOTE NO.4.

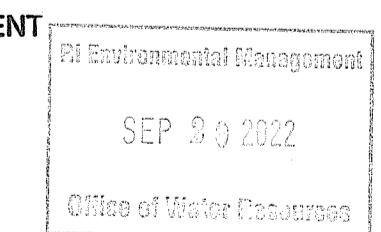
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

NOTE PER DEM:

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

APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: DEC 09 2022 FILE # 22-0474
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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Walter D. Wemack



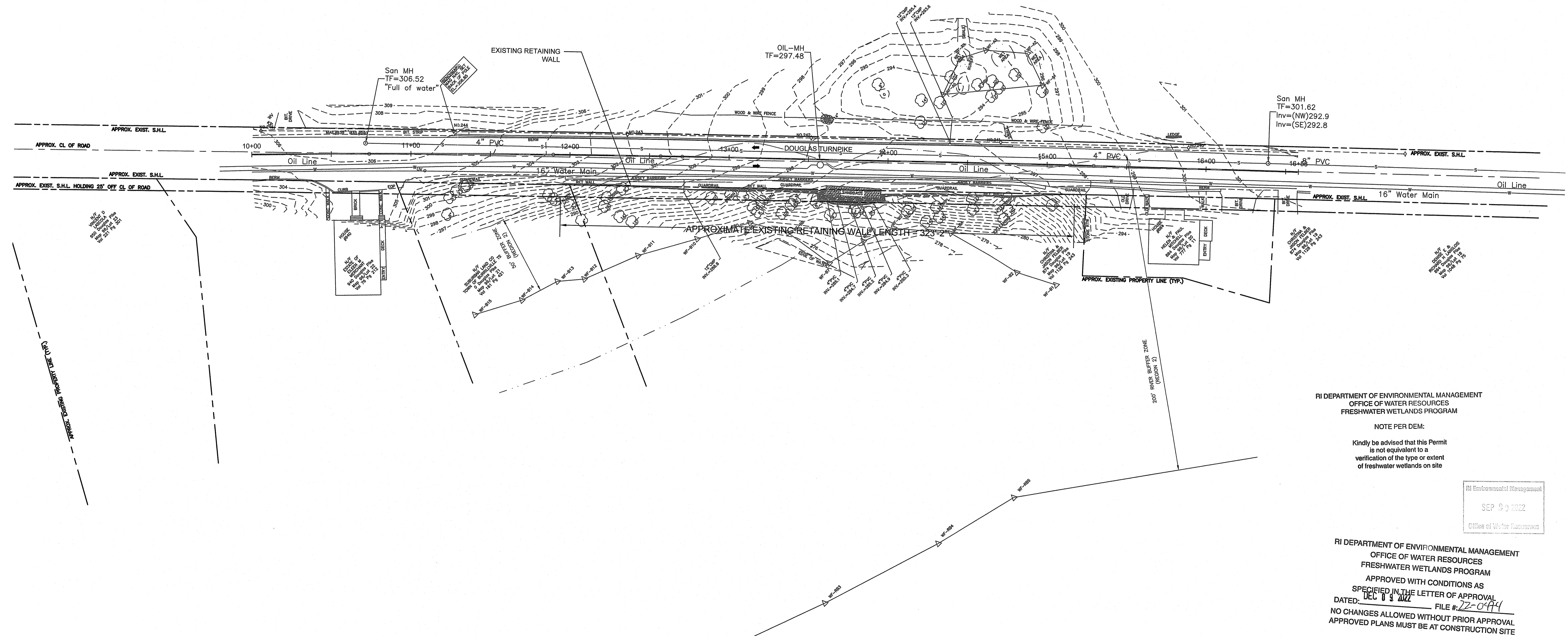
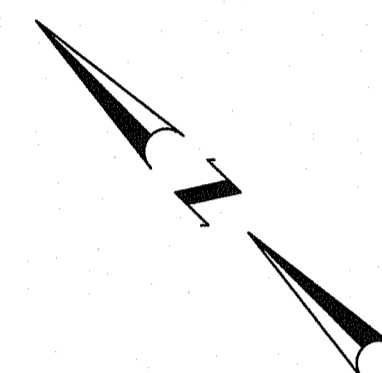
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY: J.W.K.
CHECKED BY: K.P.R.
DATE: 06/01/2022
SHEET: 005
OF: 028

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17B
ROUTE 7 RETAINING WALL
BURRILLVILLE CONTRACT: 00 VOLUME: 05 RHODE ISLAND
JOB SPECIFIC NOTES AND LEGEND

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
---	RI	XX-XXXX-XXX	2022	006	028



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

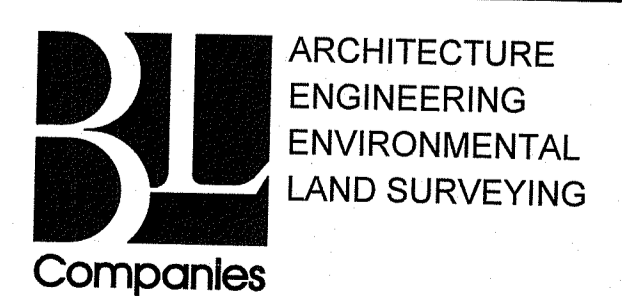
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RI Environmental Management
SEP 30 2022
Office of Water Resources

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

APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: DEC 13 2022 FILE # 22-0444
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Martin D. Samsel



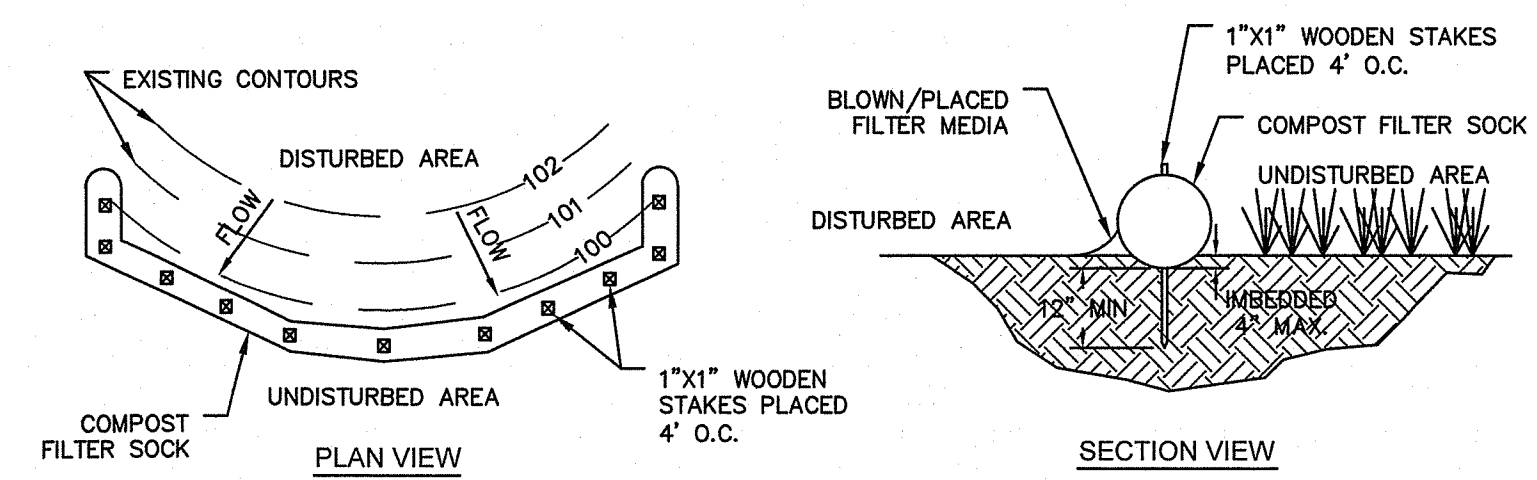
DESIGNED BY: J.W.K.
CHECKED BY: K.P.R.
DATE: 06/01/2022
SHEET: 006
OF: 028

SCALE: 1"=30'

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NO.	DATE	BY	NO.	DATE	BY

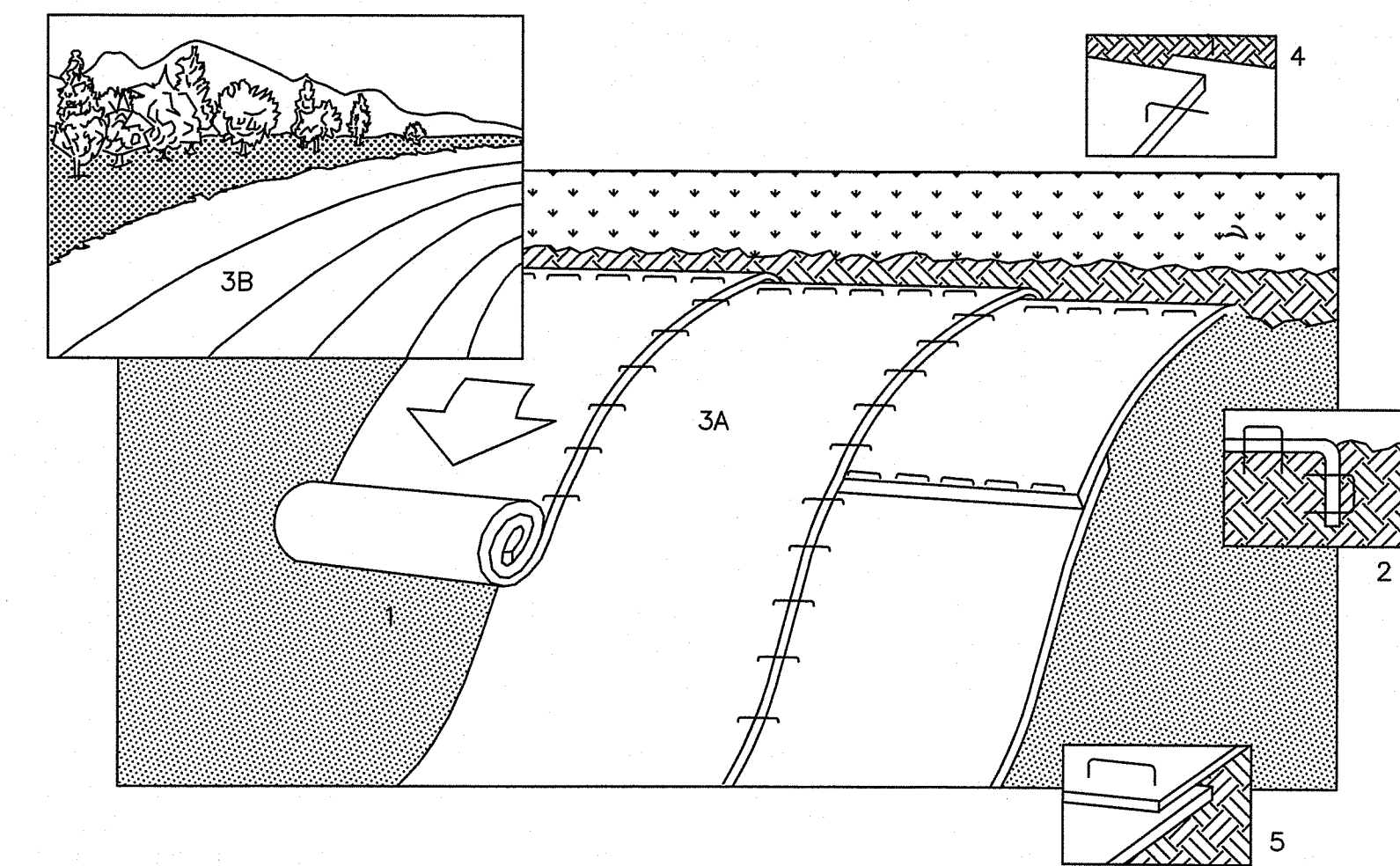
BRIDGE GROUP 17B
ROUTE 7 RETAINING WALL
CONTRACT: 00 VOLUME: 05
BURRILLVILLE RHODE ISLAND

KEY PLAN



- NOTES:**
- FILTER SOCKS SHALL BE INSTALLED WHERE INDICATED ON THE GENERAL PLANS AND SHALL BE CONSTRUCTED OF 100% BIODEGRADABLE MATERIAL. A ROW OF FILTER SOCKS (WEIGHTED DOWN AND NOT STAKED) SHALL ALSO BE INSTALLED AROUND ANY SOIL STOCKPILE AREAS UTILIZED BY THE CONTRACTOR DURING CONSTRUCTION.
 - FILTER SOCKS SHALL BE TRENCHED APPROXIMATELY 4 INCHES AND STAKED SUCH THAT FILTER SOCKS DIRECTLY CONTACT SOIL AND PRECLUDE UNDERMINING OR BLOWOUTS. THE TRENCH SHALL BE APPROXIMATELY 9 INCHES WIDE. UNLESS SHOWN OTHERWISE, STAKES SHALL BE DRIVEN THROUGH THE CENTER OF THE ROLL. COMPACT SOIL EXCAVATED TO CREATE A TRENCH ON THE UPHILL SIDE.
 - ENDS OF ADJACENT FILTER SOCKS SHALL BE TIGHTLY BUTTED OR OVERLAPPED SO THAT NO OPENING EXISTS FOR WATER TO PASS THROUGH. FILTER SOCKS SHALL BE FREE OF DAMAGE OR DEFECTS AND NO VEHICLES SHALL BE DRIVEN OVER FILTER SOCKS.

COMPOST FILTER SOCK (CFS)
NOT TO SCALE



- NOTES:**
- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED.
 - BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
 - ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE.
 - THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
 - WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.

EROSION CONTROL BLANKET (ECB)
NOT TO SCALE

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

NOTE PER DEM:

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RI Department of Environmental Management
SEP 30 2022
Office of Water Resources

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

APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: DEC 03 2022 FILE #: 22-0974
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Yvonne B. Semak

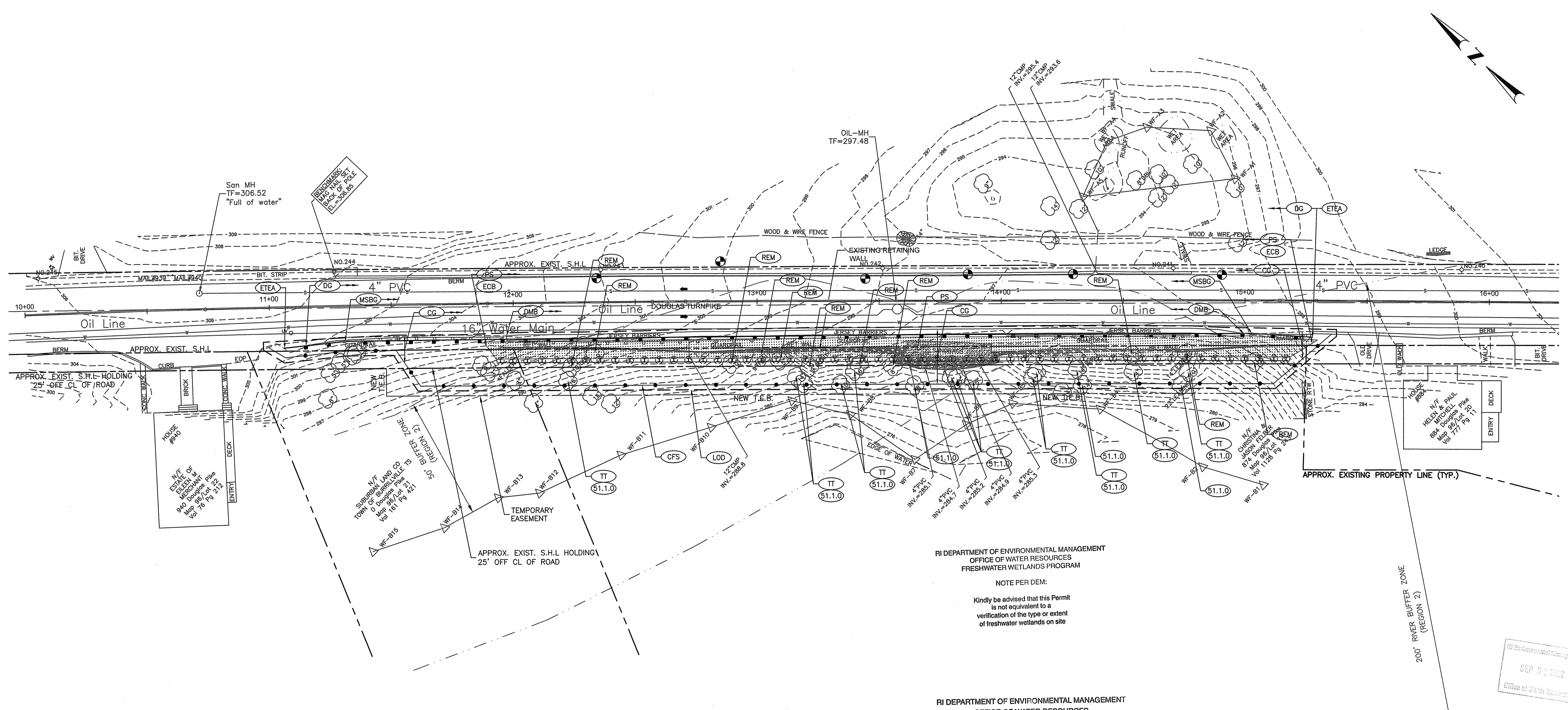


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY: JWK
CHECKED BY: SDF
DATE: 06/01/2022
SHEET: 007
OF: 028

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17B
ROUTE 7 RETAINING WALL
CONTRACT: 00 VOLUME: 05
BURRILLVILLE RHODE ISLAND
MISCELLANEOUS DETAILS NO. 1



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

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Martin D. Wemak

- NOTES:
- TREES THAT ARE TO BE REMOVED AS SHOWN ON PLANS MUST BE IDENTIFIED AND MARKED FOR REMOVAL PRIOR TO ANY CLEARING AND GRUBBING OPERATIONS.
 - TREE PROTECTION SHALL BE INSTALLED PRIOR TO ANY SITE WORK AS PER PLAN OR AS DIRECTED BY THE ENGINEER.

RI Department of Environmental Management
 SEP 23 2022
 Office of Water Resources



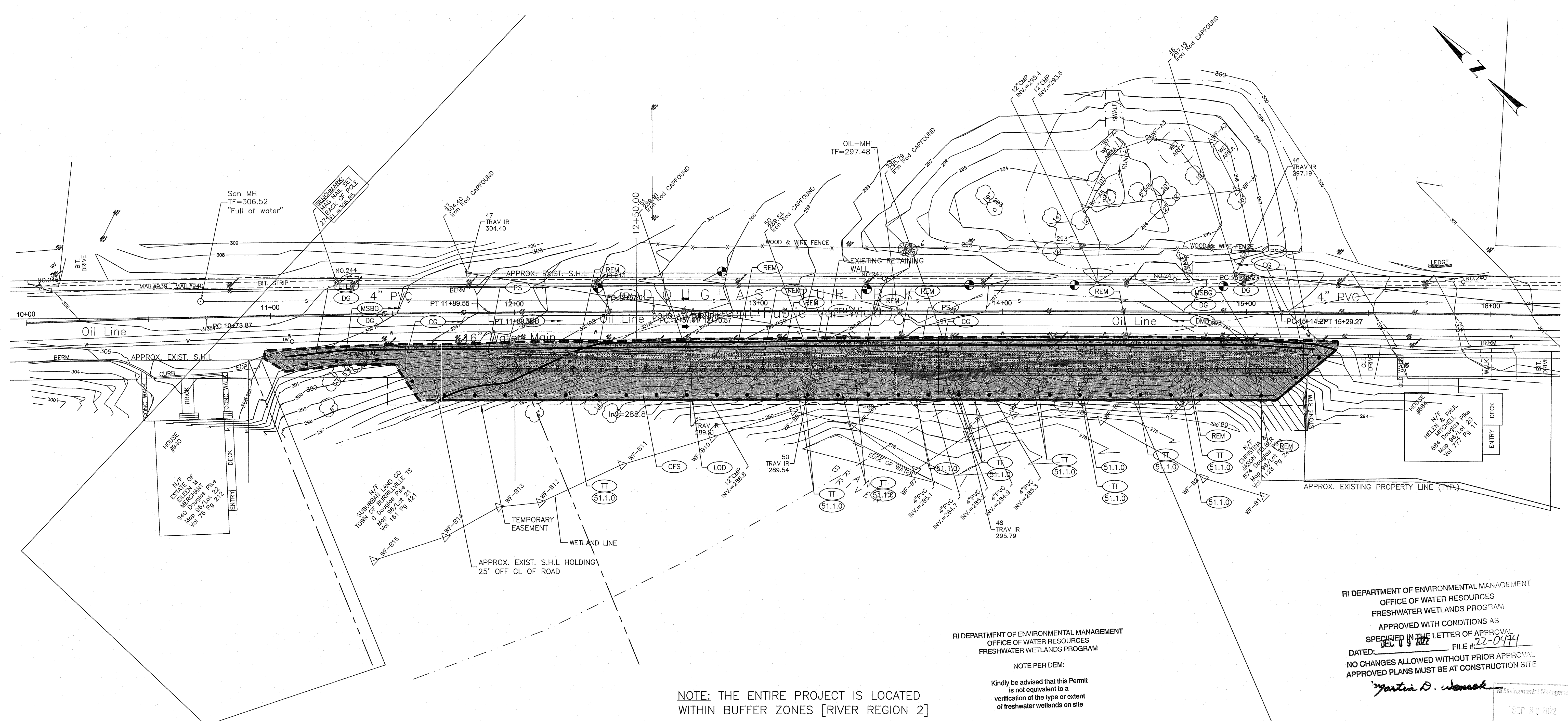
RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

DESIGNED BY: MAV
 CHECKED BY: SDF
 DATE: 06/01/2022
 SHEET: 013
 OF: 028

SCALE: 1"=20'

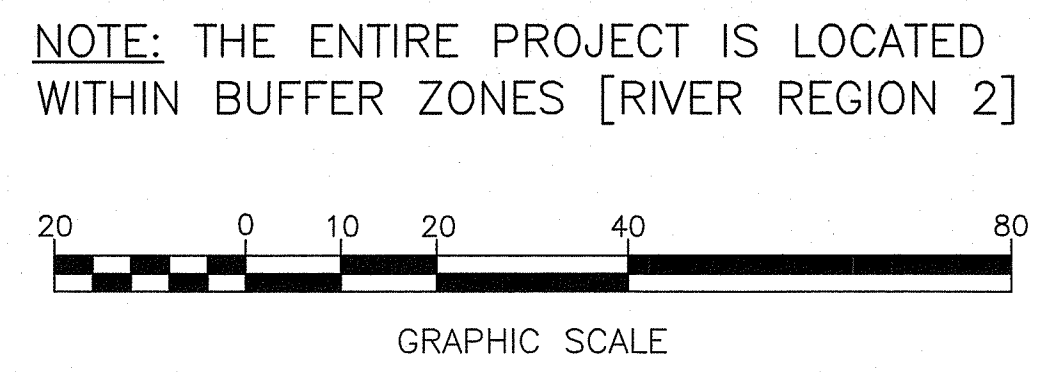
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NO.	DATE	NO.	DATE

BRIDGE GROUP 17B
 ROUTE 7 RETAINING WALL
 BURRILLVILLE CONTRACT: 00 VOLUME: 05 RHODE ISLAND
 GENERAL PLAN



AREA WITHIN BUFFER ZONE [RIVER REGION 2]

EARTHWORK DISTURBANCE (PERVIOUS TO PERVIOUS)	= 8667 SF
REDEVELOPED IMPERVIOUS	= 0 SF
MILL AND OVERLAY	= 0 SF
NEW IMPERVIOUS	= 494 SF
IMPERVIOUS TO PERVIOUS	= 494 SF
TOTAL LIMIT OF WORK AREA	= 9655 SF
--- LIMIT OF WORK LINE	



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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FRESHWATER WETLANDS PROGRAM

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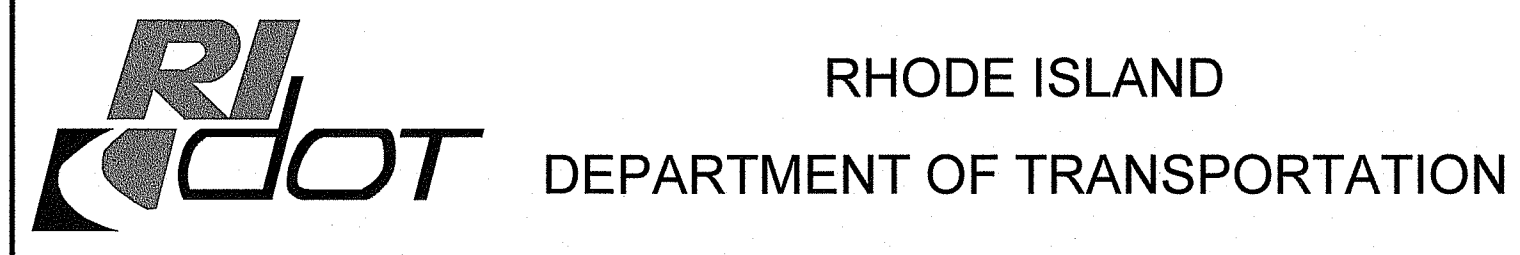
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: DEC 8 2012 FILE #: 22-0474

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APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Martin D. Womack
Environmental Management

- NOTES:
- TREES THAT ARE TO BE REMOVED AS SHOWN ON PLANS MUST BE IDENTIFIED AND MARKED FOR REMOVAL PRIOR TO ANY CLEARING AND GRUBBING OPERATIONS.
 - TREE PROTECTION SHALL BE INSTALLED PRIOR TO ANY SITE WORK AS PER PLAN OR AS DIRECTED BY THE ENGINEER.



DESIGNED BY: DSGNBY
CHECKED BY: CHKBY
DATE: DATE
SHEET: PAGE
OF: TOTAL

SCALE: 1"=20'

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

PTS 2601R - BRIDGE GROUP 17B - BURLINGHAM, RI
ROUTE 7 RETAINING WALL
1200 FEET NORTH OF ROUTE 102
RHODE ISLAND

LAND COVER & IMPACTS PLAN

LIST OF ABBREVIATIONS

A
 ABUTMENT = ABUT.
 ALTERNATE = ALT.
 ANCHOR BOLT = A.B.
 APPROVED = APPD.
 APPROXIMATE = APPROX.
 AVERAGE = AVG.

B
 BEAM = BM.
 BACK TO BACK = B TO B
 BETWEEN = BTWN
 BEARING = BRG.
 BITUMINOUS = BIT.
 BUILDING = BLDG.
 BUILDING LINE = B.L.
 BOLT CIRCLE = B.C.
 BOTTOM = BOT.

C
 CENTER TO CENTER = C TO C
 CENTERLINE = CL
 CIRCLE = CIR.
 CLEARANCE = CL.
 COLUMN = COL.
 CONCRETE = CONC.
 CONDUIT = COND.
 CONNECTION = CONN.
 CONSTRUCTION = CONST.
 CONTRACTION = CONTR.
 COUNTERSINK = CSK.
 COUPLING = CPLG.
 CLASS I CONTROLLED LOW STRENGTH MATERIAL = CLSM

D
 DETAIL = DET.
 DIAGONAL = DIAG.
 DIAPHRAGM = DIAPHM.
 DIAMETER = DIA.
 DIMENSION = DIM.
 DRAWING = DWG.
 DRAIN = DR.

E
 EACH = EA.
 EACH FACE = E.F.
 ELEVATION = EL.
 EXISTING = EXIST.
 EXPANSION = EXP.

F
 FAR FACE = F.F.
 FAR SIDE = F.S.
 FABRICATE = FAB.
 FACE TO FACE = F TO F
 FLANGE = FLG.
 FLAT HEAD = F.H.
 FOOTING = FTG.
 FOUNDATION = FDN.
 FURNISH, FABRICATE & ERECT = F.F. & E.

G
 GAGE = GA.
 GALVANIZE = GALV.
 GRADE = GR.
 GRATING = GRTG.
 GROUND = GND.

H
 HEIGHT = HGT.
 HEXAGON = HEX.
 HOT MIX ASPHALT = HMA
 HORIZONTAL = HORIZ.

I
 INCH = IN.
 INFORMATION = INFO.
 INSIDE DIAMETER = I.D.
 INVERT = INV.

J
 JOINT = JT.

L
 LENGTH = LGTH.
 LIGHTING = LTG.
 LONG = LG.
 LOAD & RESISTANCE FACTOR DESIGN = LRFD

M
 MATERIAL = MATL.
 MAXIMUM = MAX.
 MEAN HIGH WATER = M.H.W.
 MEAN SEA LEVEL = M.S.L.
 MINIMUM = MIN.
 MISCELLANEOUS = MISC.

N
 NEAR FACE = N.F.
 NEAR SIDE = N.S.
 NOT TO SCALE = N.T.S.
 NUMBER = NO.

O
 ON CENTER = O.C.
 OPENING = OPNG.
 OUTSIDE DIAMETER = O.D.
 OPTIONAL = OPT.

P
 PLATE = PL.
 POINT OF VERTICAL CURVATURE = P.V.C.
 POINT OF VERTICAL TANGENCY = P.V.T.
 POLYVINYL CHLORIDE = PVC
 POINT OF TANGENCY = P.T.
 POUNDS PER SQUARE INCH = P.S.I.
 POUNDS PER SQUARE FOOT = P.S.F.

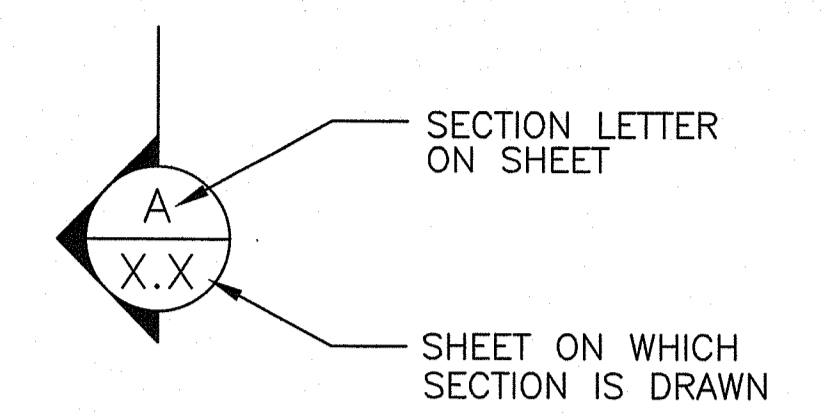
R
 RADIUS = RAD.
 RAILROAD = RR
 REQUIRED = REQD.
 REINFORCING = REINF.
 REHABILITATION = REHAB.
 REMOVE & DISPOSE = R & D

S
 SECTION = SECT.
 SCHEDULE = SCH.
 SCHEMATIC = SCHEM.
 SHEET = SH.
 SPACES = SP.
 STATION = STA.
 SYMMETRICAL = SYM.
 STAY IN PLACE = S.I.P.

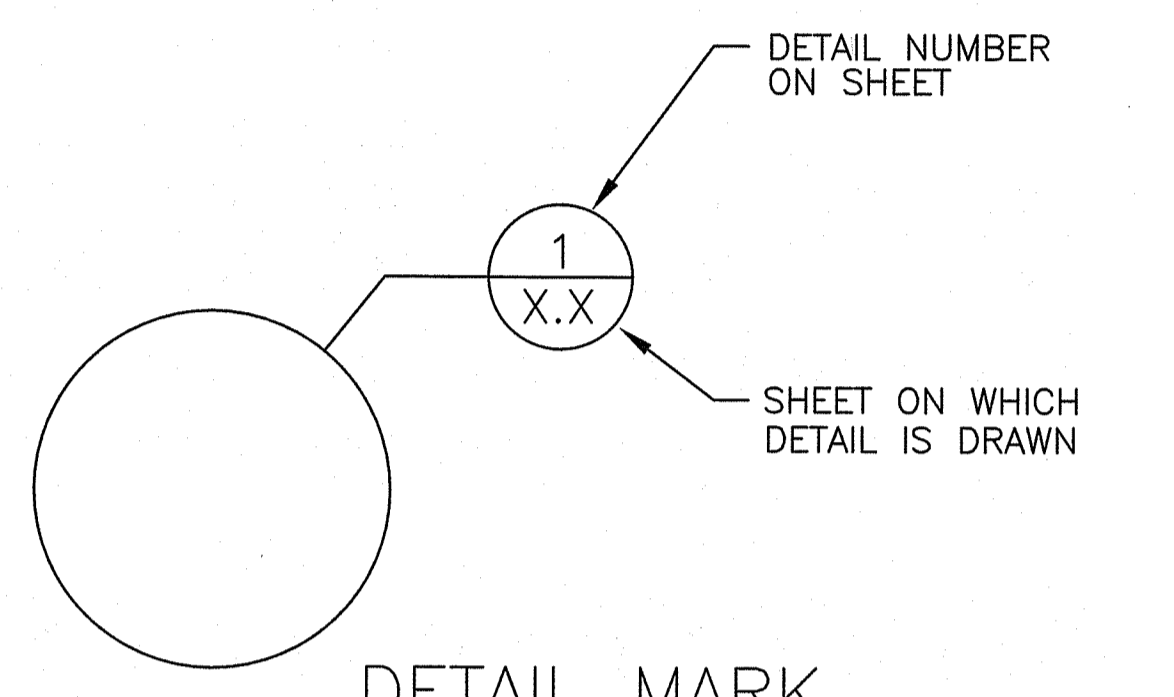
T
 TOP = T
 TYPICAL = TYP.

V
 VARIES = VAR.
 VERTICAL CURVE = V.C.
 VERTICAL = VERT.

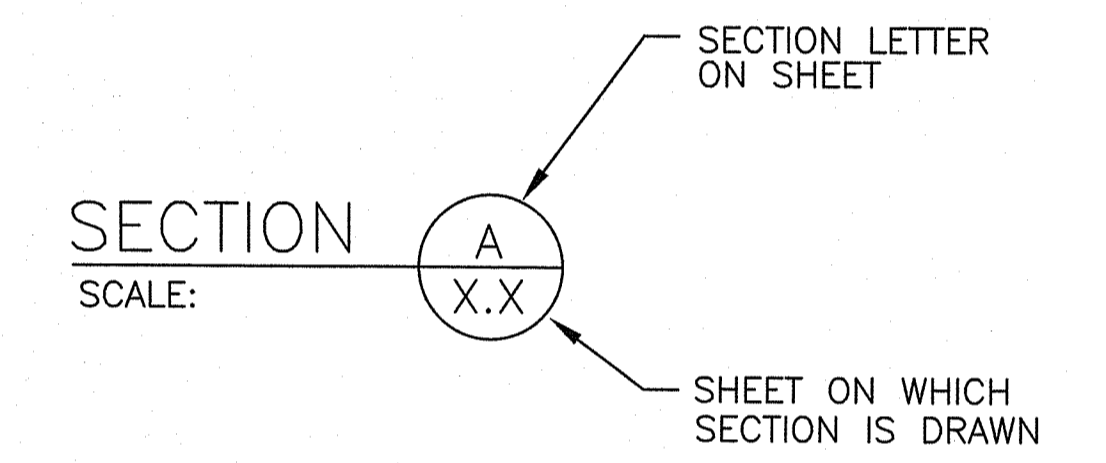
W
 WELDED WIRE FABRIC WITH = W.W.F.
 WIDE FLANGE = W/
 WORKING POINT = W.P.



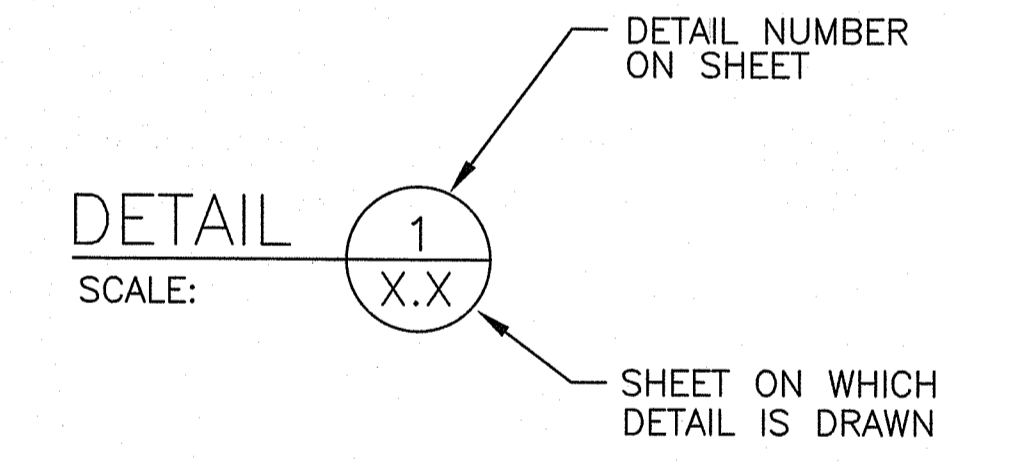
SECTION MARK



DETAIL MARK



SECTION TITLE



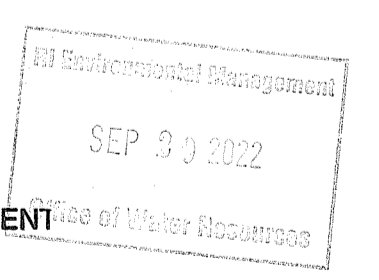
DETAIL TITLE

SECTION & DETAIL DESIGNATIONS

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

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED: DEC 13 2022 FILE #: 22-0444
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

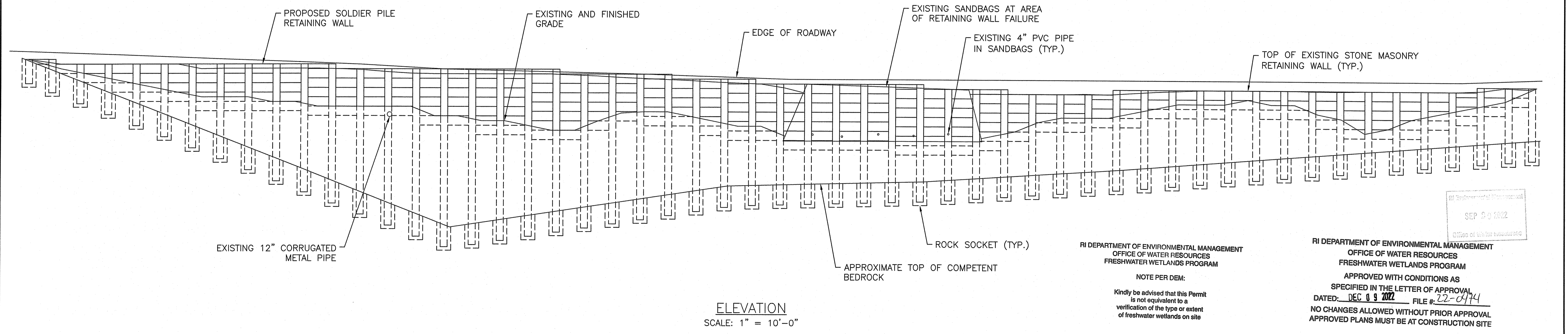
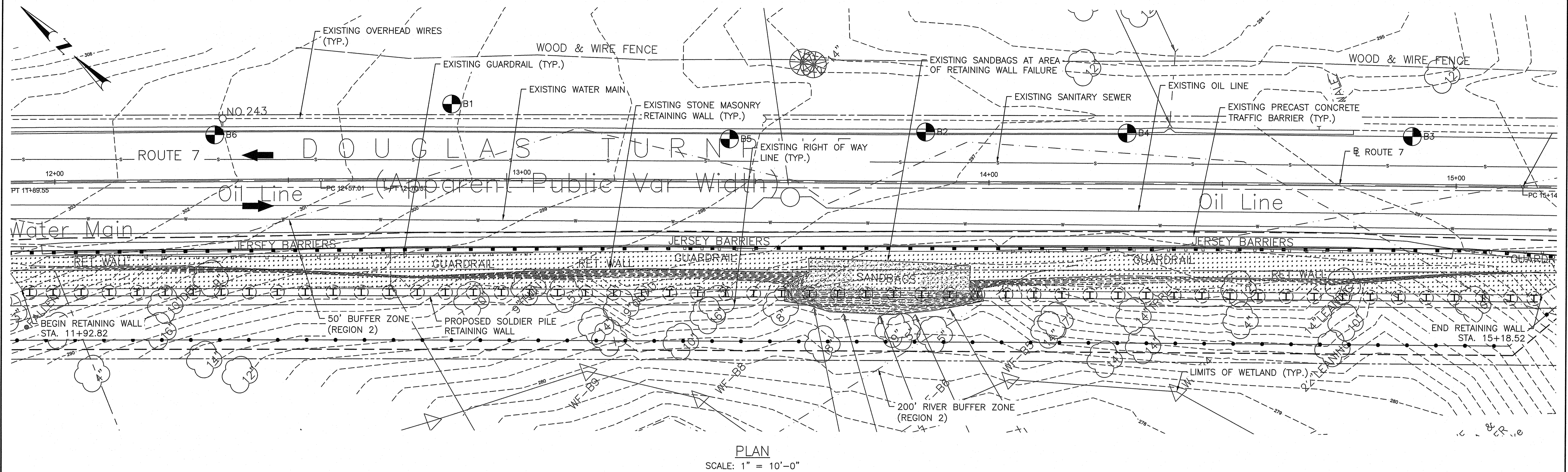
Martin D. Wensel



RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

DESIGNED BY:	TMB	SCALE:	AS NOTED
CHECKED BY:	MEA		
DATE:	06/01/2022		
SHEET:	019		
OF:	028		

BRIDGE GROUP 17B
 ROUTE 7 RETAINING WALL
 CONTRACT: 00 VOLUME: 05
 BURRILLVILLE
 LEGEND AND LIST OF ABBREVIATIONS



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

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

APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: DEC 09 2022 FILE #: 22-0474
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Martin D. Wensak



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY: TMB
CHECKED BY: MEA
DATE: 06/01/2022
SHEET: 024
OF: 028

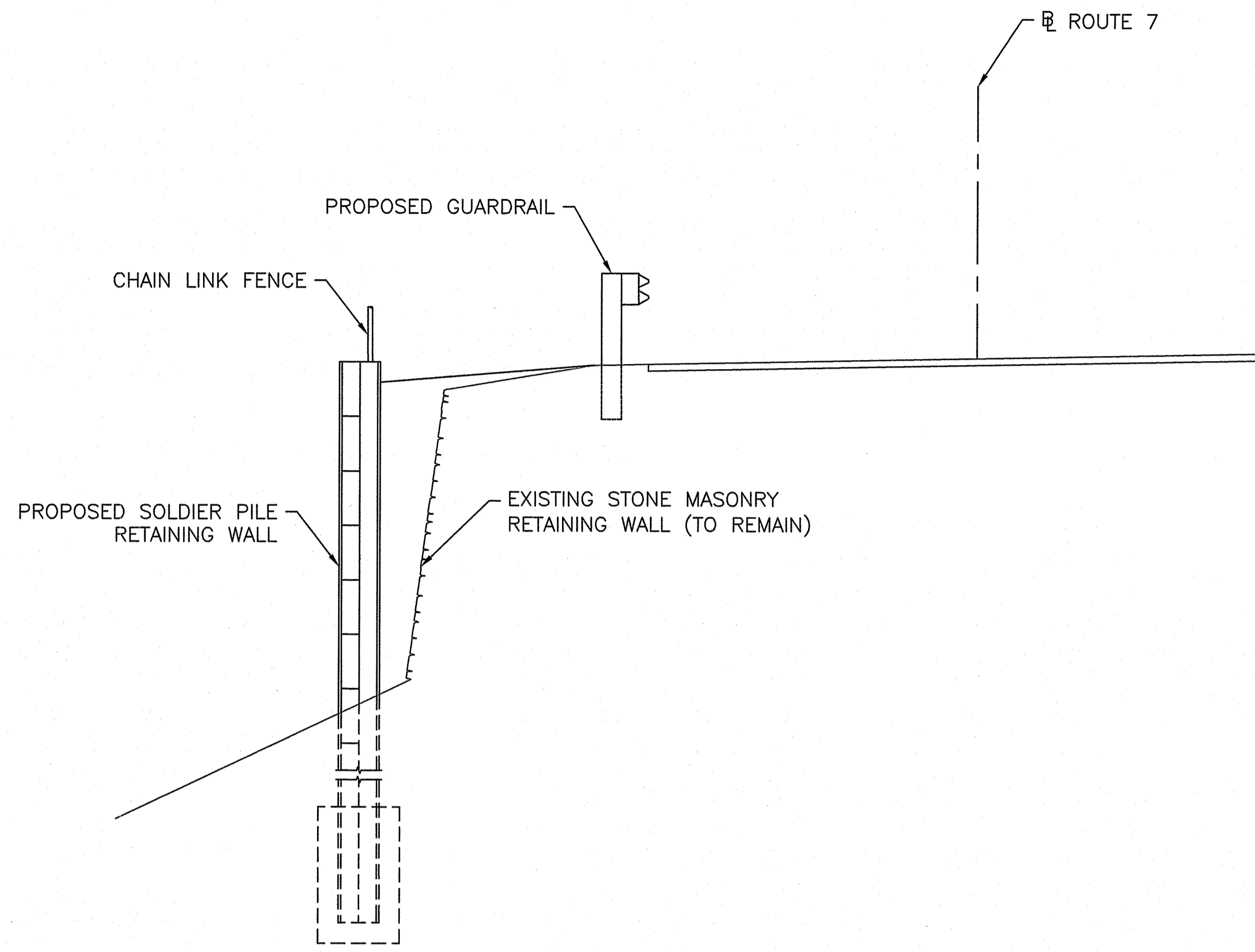
SCALE: 1" = 10'-0"
GRAPHIC SCALE

REVISIONS		REVISIONS	
NO.	DATE	NO.	DATE

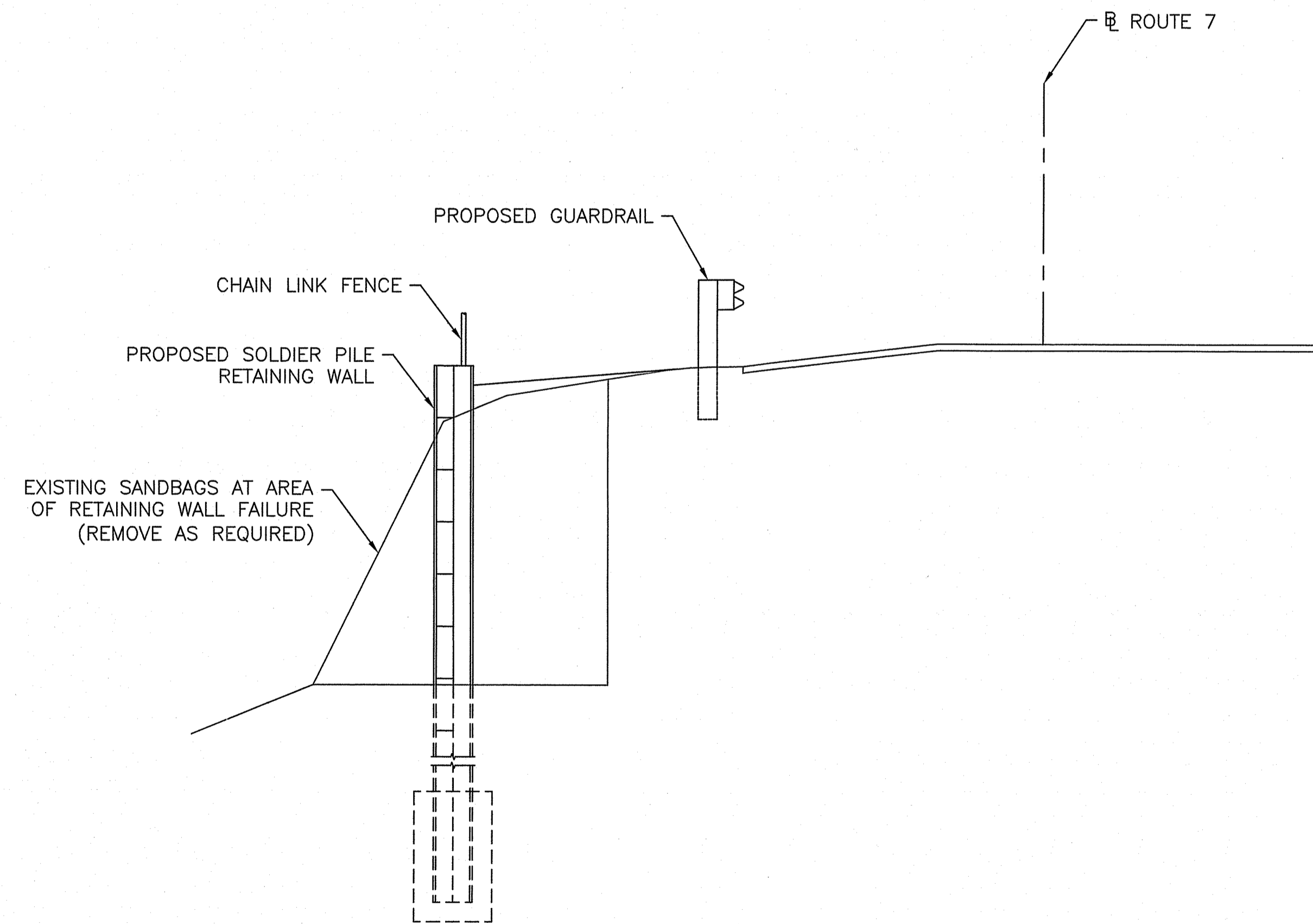
BRIDGE GROUP 17B
ROUTE 7 RETAINING WALL
CONTRACT: 00 VOLUME: 05
Burrillville Rhode Island

GENERAL WALL PLAN & ELEVATION

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
---	RI	XX-XXXX-XXX	2022	025	028



TYPICAL SECTION — STONE MASONRY RETAINING WALL
SCALE: 1/4" = 1'-0"

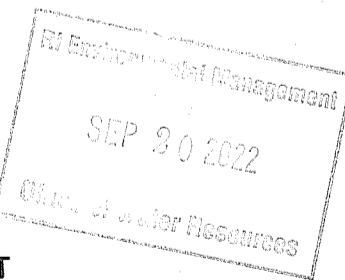


TYPICAL SECTION — SANBAGS AT AREA OF RETAINING WALL FAILURE
SCALE: 1/4" = 1'-0"

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

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

APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: DEC 09 2022 FILE #: 22-0974
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Martin D. Wemak



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY: TMB
CHECKED BY: MEA
DATE: 06/01/2022
SHEET: 025
OF: 028

SCALE: AS NOTED

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17B
ROUTE 7 RETAINING WALL
CONTRACT: 00 VOLUME: 05

TYPICAL SECTIONS