PRIME ENGINEERING
INC
CIVIL ENGINEERING • LAND SURVEYING
ENVIRONMENTAL ASSESSMENT

November 13, 2018

New Bedford Conservation Commission
133 Williams Street - #312
New Bedford, MA 02740

RE: BARTLETT STREET EXTENSION
FILE #SE49-0810

Dear Commission Members:

Enclosed is a revised 3 sheet set of plans with revisions dated November 2, 2018. The eastern limit of the BVW has been flagged in the field and added to the plans. The replication area has been revised. Additional topographic detail has been added in that area. The length of the proposed drive has been shortened.

In response to Sarah Porter's September 7, 2018 memo on the above referenced file, we have revised the enclosed plans and herby submit supplemental information. Our response to her 14 comments is as follows:

1. The box on page 2 of the Notice of Intent form was mistakenly checked. There is no current intention to create a subdivision. Enclosed is a revised page 2. If, in the future, more than four lots are developed, all stormwater standards will be met.
2. It was our understanding that Limited Project Status only needed to be invoked for more than 5,000 square feet of wetland impact. If the 2,575 square feet of impacted resource by this project needs Limited Project Status dispensation, we hereby request that status.
3. An Existing Conditions Plan (sheet 1) has been added to the enclosed plan set with all requested information.
4. An Erosion Control Plan has been added to the enclosed plan set as sheet 3.
5. The end of the proposed drive shows on the revised plans. It occurs at the Acushnet town line
6. The wetland flags have been re-set. A path has been cleared to all flags. The drive centerline has been staked.
7. The existing conditions for the wetlands being impacted are presented on the Existing Conditions Plan.
8. The wetland replication area has been revised, relocated and enlarged as requested.

9. Enclosed are soil profiles of the wetland impact area and the wetland replication area.
10. The requested notes have been added to the plans.
11. We concur with getting a Wetland Specialist, who will monitor the replication area, to be approved by the Commission.
12. We concur that the replication soil be free of invasive rhizomes and plants. A note has been added to the plans.
13. An Invasive Species Management Program will be submitted to the Commission for approval prior to implementation of the wetland replication.
14. The requested sequence of construction for the utilities has been added to the plans (sheet 2).

Sincerely,
PRIME ENGINEERING, INC.

Richard J. Rheaume, P.E., LSP
Chief Engineer

SOIL LOG INFORMATION

Client Name: Prime Engineering

Site Location: Bartlett Street, New Bedford, MA 02740

Test Pit No. 1
(Wetland Location)

Date: November 7, 2018

Soil Type Mapped (NRCS):
Whitman Fine Sandy Loam (72A) (0-3% Slopes)

Soil Description Information

Horizon	Depth	Matrix	Redox	Composition
F	0-12"	7.5YR 2.5/1	NA	Fine Sandy Loam
A	12-18"	10YR 2/1	NA	Silty Loam
B	18-25"	2.5Y 5/2	10YR 4/6	Sandy Loam

Depth to Soil Saturation: Surface

Depth to Seasonal High Water Elevation: 18"

Depth to Weeping: 19"

Depth to Free Water Observed in Hole: 23.5"

Remarks: Historic fill layer underline by native soil horizons. Fill potentially associated with historic excavation of farm pond or the installation of the existing sewer line.

SOIL LOG INFORMATION

Client Name: Prime Engineering

Site Location: Bartlett Street, New Bedford, MA 02740

Test Pit No. 2
(Upland Location)

Date: November 7, 2018

Soil Type Mapped (NRCS):
Whitman Fine Sandy Loam (72A) (0-3% Slopes)

Soil Description Information

Horizon	Depth	Matrix	Redox	Composition
F1	0-6"	10YR 4/2	NA	Fine Sandy Loam
F2	6-8"	10YR 4/4	NA	Fine Sandy Loam
F3	8-10"	2.5Y 5/2	NA	Coarse Sandy Loam
F4	10-15"	10YR 2/2	NA	Silt Loam
F5	15-18"	10YR 5/2	10YR 4/6	Sandy Loam
A	18-24"	10YR 2/2	NA	Silt Loam
B	24"+	2.5Y 5/2	10YR 5/4	Fine Sandy Loam

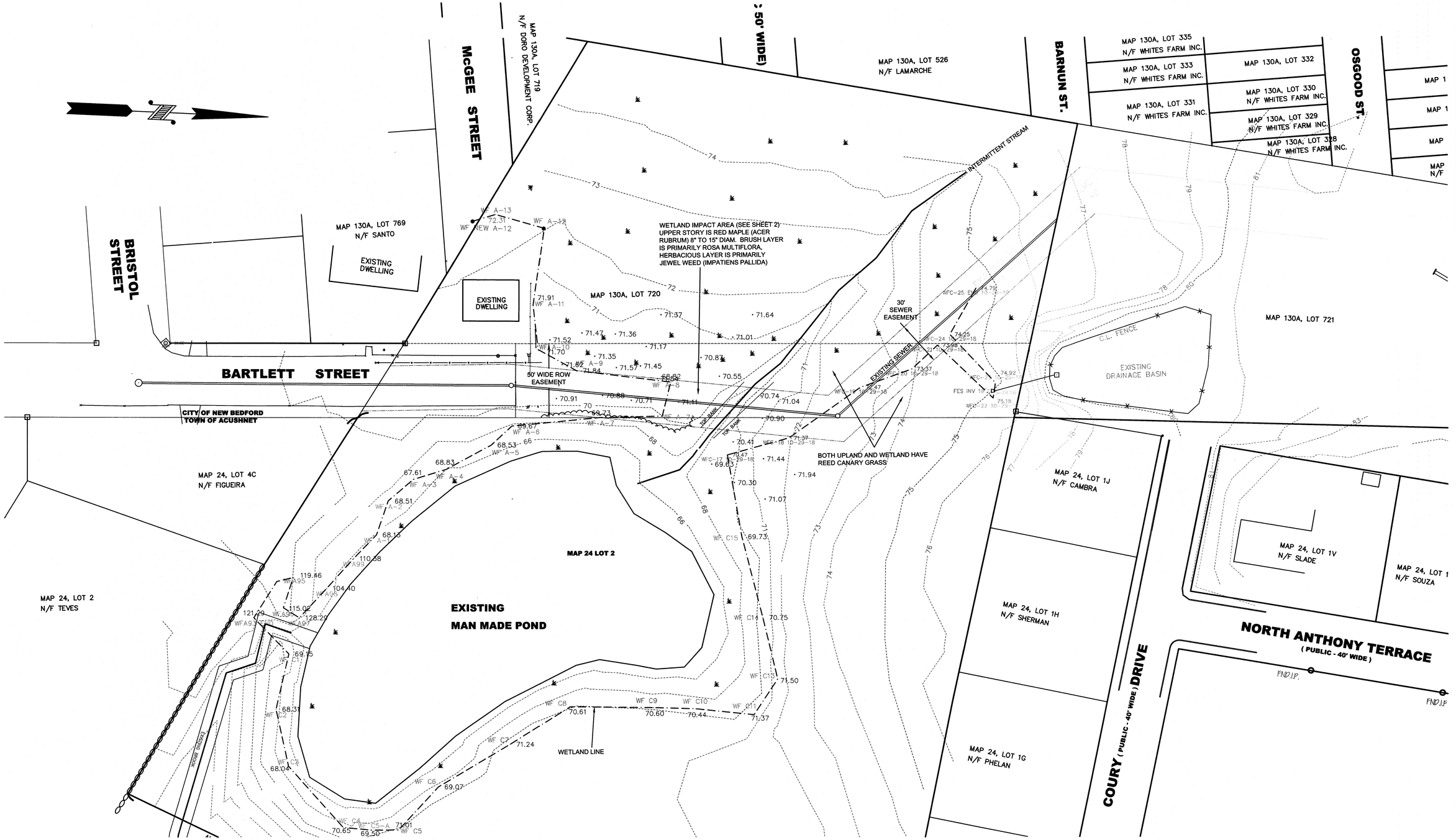
Depth to Soil Saturation: Surface

Depth to Seasonal High Water Elevation: 24"

Depth to Weeping: 18"

Depth to Free Water Observed in Hole: 24"

Remarks: Human altered location. Multiple historic fill layers underline throughout soil profile. Fill potentially associated with historic excavation of farm pond or the installation of the existing sewer line.



REV.	DATE	DESCRIPTION	BY	APP.
1	11/2/2018	ADDITIONAL TOPO/WETLAND DELINEATION	SWL	RJR

DRAWING TITLE: **EXISTING CONDITIONS**

PROJECT: **BARTLETT STREET DRIVE EXTENSION**
ACUSHNET, MASSACHUSETTS

CLIENT: **NORMAN NICHOLS**

SCALE: 1"=30'
DATE: 9/6/2018
DRAWN BY: SWL
DESIGNED BY: RJR
CHECKED BY: RJR
APPROVED BY: RJR
SHEET NO. 1 OF 3
PROJECT NO. —

• CIVIL ENGINEERING
• LAND SURVEYING
• ENVIRONMENTAL ASSESSMENT

PRIME ENGINEERING INC

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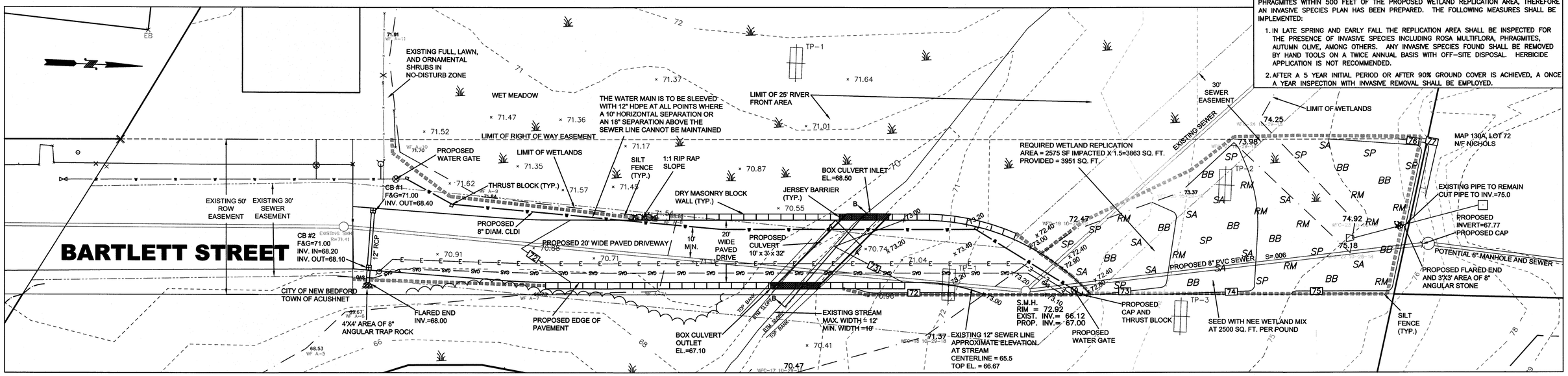
O:\PROJECTS\Acushnet\Bartlett Street Extension\Info from Client\BARTLETT ST EXTENSION – EXCON.dwg

THE WETLAND IMPACT AREA IS FREE OF INVASIVE SPECIES OTHER THAN LOCALIZED ROSA MULTIFLORA AND REED CANARY GRASS; HOWEVER THERE ARE A FEW STANDS OF PHRAGMITES WITHIN 500 FEET OF THE PROPOSED WETLAND REPLICATION AREA, THEREFORE AN INVASIVE SPECIES PLAN HAS BEEN PREPARED. THE FOLLOWING MEASURES SHALL BE IMPLEMENTED:

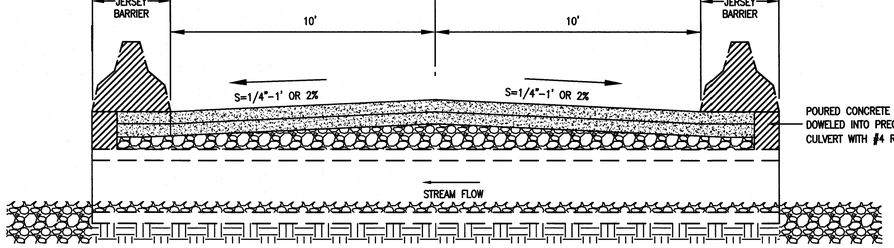
1. IN LATE SPRING AND EARLY FALL THE REPLICATION AREA SHALL BE INSPECTED FOR THE PRESENCE OF INVASIVE SPECIES INCLUDING ROSA MULTIFLORA, PHRAGMITES, AUTUMN OLIVE, AMONG OTHERS. ANY INVASIVE SPECIES FOUND SHALL BE REMOVED BY HAND TOOLS ON A TWICE ANNUAL BASIS WITH OFF-SITE DISPOSAL. HERBICIDE APPLICATION IS NOT RECOMMENDED.
2. AFTER A 5 YEAR INITIAL PERIOD OR AFTER 90% GROUND COVER IS ACHIEVED, A ONCE A YEAR INSPECTION WITH INVASIVE REMOVAL SHALL BE EMPLOYED.



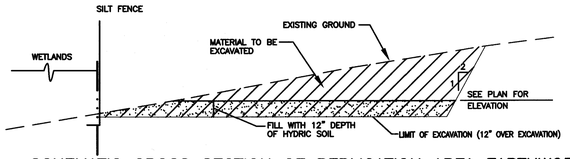
PLAN VIEW
1" = 15'

LEGEND

- WETLAND SYMBOL –
- GUY WIRE –
- HYDRANT –
- WATER GATE –
- TELEPHONE POLE –
- EXIST. WATER – W
- EXIST. GRADE –
- WETLAND LINE –
- STREAM CENTERLINE –
- EXISTING FENCE – X
- EXISTING TREELINE –
- PROP. ELECTRIC – E
- PROP. GAS – GAS
- PROP. WATER – W



DRIVEWAY CROSS SECTION B-B OVER STREAM
NOT TO SCALE



SCHEMATIC CROSS SECTION OF REPLICATION AREA EARTHWORK
NOT TO SCALE

REPLICATION PLANTING SCHEDULE

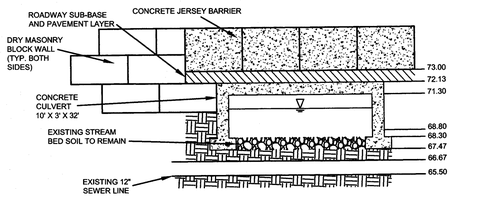
SYMBOL	SCIENTIFIC NAME	COMMON NAME	TYPE	QUANTITY
BB	VACCINIUM CORYMBOSUM	HIGHBUSH BLUEBERRY	2' HEIGHT	10
SA	RHODODENDRON VISCOSUM	SWAMP AZALEA	2' HEIGHT	10
RM	ACER RUBRUM	RED MAPLE	1-1/2" CAL.	10
SP	CLETHRA ALNIFOLIA	SWEET PEPPER BUSH	2' HEIGHT	10
			TOTAL	40

ESSENTIAL CONSTRUCTION SEQUENCE FOR UTILITY INSTALLATION IN WETLAND CROSSING

1. CONSTRUCTION SHALL BE DONE AT A DRY TIME OF THE YEAR WHEN THE STREAM IS NOT FLOWING AND SIGNIFICANT RAINFALL IS NOT FORECAST.
2. SILT FENCE SHALL BE INSTALLED AND SHALL BE INSPECTED BY THE CONSERVATION AGENT OR THE AGENT'S REPRESENTATIVE PRIOR TO ANY EXCAVATION.
3. THE SURFICIAL HYDRIC SOIL SHALL BE SURGICALLY REMOVED AND STOCKPILED IN A HAY BALE ENCIRCLED AREA OR IN THE REPLICATION AREA.
4. THE SURFICIAL STREAM BOTTOM GRAVEL AND STONE IN THE UTILITY PATHWAYS SHALL BE SURGICALLY REMOVED AND STOCKPILED IN A HAYBALE ENCIRCLED AREA.
5. THE UTILITES SHALL THEN BE INSTALLED AND BACKFILLED TO SUBGRADE LEVEL.
6. THE STOCKPILED STREAM BOTTOM MATERIAL SHALL THEN BE PLACED AND BROUGHT BACK TO THE ORIGINAL STREAM BOTTOM ELEVATION.

ESSENTIAL CONSTRUCTION SEQUENCE FOR BOX CULVERT INSTALLATION

1. CONSTRUCTION SHALL BE DONE AT A DRY TIME OF THE YEAR WHEN THE STREAM IS NOT FLOWING AND SIGNIFICANT RAINFALL IS NOT FORECAST.
2. THE SILT FENCE SHALL BE INSTALLED AND INSPECTED BY THE CONSERVATION AGENT OR THE AGENT'S REPRESENTATIVE.
3. THE CONSERVATION AGENT SHALL BE NOTIFIED 48 HOURS BEFORE THE SPECIFIC TIME THAT THE INITIAL EXCAVATION WILL COMMENCE.
4. THE TWO TRENCHES FOR THE BOTTOMLESS CULVERT SHALL BE EXCAVATED. THE CRUSHED STONE BASE WILL BE IMMEDIATELY INSTALLED AND THE CULVERT IS THEN TO BE DROPPED INTO PLACE.
5. THE CULVERT LEGS SHALL BE BACKFILLED WITH GRANULAR SOIL.



ROADWAY CROSS SECTION OVER STREAM
1" = 5'

THE BASE OF THE REPLICATION AREA IS TO BE SEEDED WITH ONE POUND PER 2,500 SQUARE FEET OF NEE WET MIX SUPPLIED BY NEW ENGLAND ENVIRONMENTAL, INC., AMHERST, MA., OR APPROVED EQUAL WHICH CONTAINS THE FOLLOWING SPECIMENS:

COMMON NAME	SCIENTIFIC NAME	% IN MIX	NWI RATING	COMMENTS
LURID SEDGE	CAREX LURIDA	30	OBL	A LOW GROUND COVER THAT TOLERATES MESIC SITES IN ADDITION TO SATURATED AREAS; PROLIFIC SEEDER IN SECOND GROWING SEASON.
FOWL MEADOW GRASS	GLYCERIA CANADENSIS	25	OBL	PROLIFIC SEED PSDUCER THAT IS A VALUABLE WILDLIFE RESOURCE.
FRINGED SEDGE	CAREX CRINITA	10	OBL	A MEDIUM TO LARGE SEDGE THAT TOLERATES SATURATED AREAS; GOOD SEED PSDUCER.
JOE-PYE WEED	EUPATORIADELPHUS MACULATUS	10	FACW	FLOWERING PLANT THAT IS VALUABLE FOR WILDLIFE COVER; GROWS TO 4 FEET.
BROOM SEDGE	CAREX SPP, OVALES GROUP	10	FACW-OBL	TOLERATES A WIDE RANGE OF HYDROLOGIC CONDITIONS.
WOOLGRASS	SCIRPUS CYPERINUS	5	FACW+	TOLERATES FLUCTUATING HYDROLOGY
BONESET	EUPATORIUM PERFOLIATUM	5	FACW+	FLOWERING PLANT THAT IS VALUABLE FOR WILDLIFE COVER; GROWS TO 3 FEET.
TUSSOCK SEDGE	CAREX STRICTA	<5	OBL	GROWS IN ELEVATED HUMMOCKS ON WET SITES, MAY GROW RHIZOMONOUSLY ON DRIER SITES.
BLUE VERVAIN	VERBENA HASTATA	<5	FACW+	A NATIVE PLANT THAT BEARS ATTRACTIVE BLUE FLOWERS.

SEQUENCE OF CONSTRUCTION FOR WETLANDS REPLICATION AREAS

IT IS MANDATORY THAT THE FOLLOWING STEPS BE TAKEN IN THIS SPECIFIC SEQUENCE:

1.) THE REPLICATION AREA SHALL BE STAKED BY A SURVEY CREW.

2.) THE SILT FENCE SHALL BE PLACED AND TOED IN AT THE DOWNGRADIENT LIMIT OF THE REPLICATION AREA AND IN THE WETLAND IMPACT AREA AS SHOWN ON THIS PLAN.

3.) THE REPLICATION AREA SHALL BE PREPARED TO SUBGRADE PRIOR TO COMMENCEMENT OF THE DRIVEWAY CROSSING EXCAVATION SO THAT THE NATURAL WETLAND SOIL CAN BE MOVED DIRECTLY FROM THE IMPACTED AREA TO THE REPLICATION AREA.

4.) A ONE FOOT DEPTH OF ORGANIC SOIL, PRIMARILY FROM THE IMPACTED WETLAND AREA, SHALL BE PLACED ON THE BASE OF THE OVER EXCAVATED REPLICATION AREA AND GRADED AS SHOWN. IF THE VOLUME OF EXISTING SOIL IS INADEQUATE TO PROVIDE A ONE FOOT DEPTH, THE EXISTING SOIL MAY BE MIXED WITH CLEAN, PARTIALLY DECOMPOSED LEAF COMPOST FREE OF INVASIVE SPECIES. THE SURFACE OF THIS SOIL SHALL BE GENTLY DISTURBED WITH THE FORKS OF AN EXCAVATOR IN A EAST-WEST DIRECTION TO CREATE A MICROTOPOGRAPHY. THE AREA SHALL NOT BE ROLLED SMOOTHED OR COMPACTED.

5.) THE LOCAL CONSERVATION COMMISSION AGENT SHALL BE NOTIFIED PRIOR TO THE START OF PLANTING IN THE REPLICATION AREA.

6.) THE TREES AND SHRUBS SHALL THEN BE PLANTED.

7.) THE BASE AREA SHALL BE SEEDED WITH NEE WETLANDS SEED MIX.

8.) SILT FENCE SHALL BE REMOVED BETWEEN THE EXISTING WETLANDS AND THE NEWLY PLANTED REPLICATION AREA.

NOTES:

1. ANY MINOR MODIFICATIONS (AS DETERMINED BY THE CITY ENGINEER AND THE CONSERVATION AGENT) TO THE INFORMATION SHOWN ON THE APPROVED SITE PLANS SHALL BE SUBMITTED TO THE CITY ENGINEER AND CONSERVATION AGENT AS A MINOR PLAN REVISION FOR APPROVAL PRIOR TO THE WORK BEING PERFORMED.
2. ANY WORK AND MATERIAL WITHIN THE CITY RIGHT-OF-WAY SHALL CONFORM TO THE CITY OF NEW BEDFORD REQUIREMENTS.
3. ALL HANDICAP PARKING, RAMPS, AND ACCESS SHALL CONFORM TO AAB & MAAB REQUIREMENTS.
4. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO CONSTRUCTION. EROSION CONTROL SHALL CONFORM TO THE CITY OF NEW BEDFORD CONSERVATION COMMISSION REQUIREMENTS AS STATED IN THE ORDER OF CONDITIONS. (REFER TO EROSION CONTROL PLAN)
5. ALL PAVEMENT MARKINGS AND SIGNS SHALL CONFORM TO MUTCD REQUIREMENTS.
6. DRIVEWAY PERMITS ARE SUBJECT TO TRAFFIC COMMISSION APPROVAL.
7. PERMITS FOR SIDEWALK, DRIVEWAYS, WATER, SEWER AND STORM DRAIN MUST BE OBTAINED FROM THE DEPARTMENT OF PUBLIC INFRASTRUCTURE ENGINEERING DIVISION.

REV.	DATE	DESCRIPTION	BY	APP.
2	11/2/2018	ADDITIONAL TOPO/WETLAND DELINEATION	SWL	RJR
1	9/21/18	GENERAL REVISIONS	SWL	RJR

DRAWING TITLE: **PROPOSED PRIVATE DRIVE**
PROJECT: **BARTLETT STREET DRIVE EXTENSION**
ACUSHNET, MASSACHUSETTS
CLIENT: **NORM NICHOLS**
SCALE: SEE DETAIL
DATE: 7/30/2018
DRAWN BY: SWL
DESIGNED BY: RJR
CHECKED BY: RJR
APPROVED BY: RJR
SHEET NO. 2 OF 3
PROJECT NO. —

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RICHARD J. RHEAUME No. 23173 REGISTERED PROFESSIONAL ENGINEER

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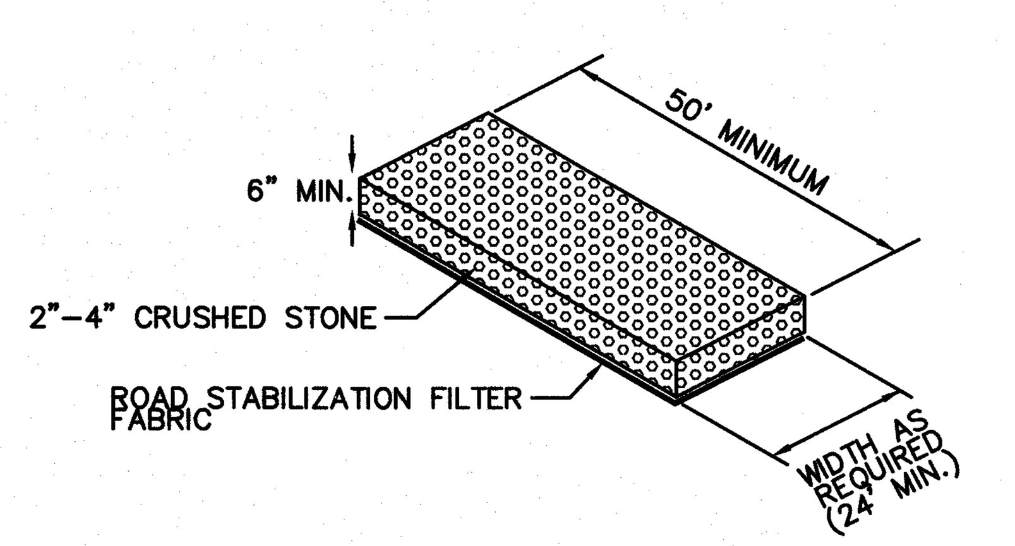
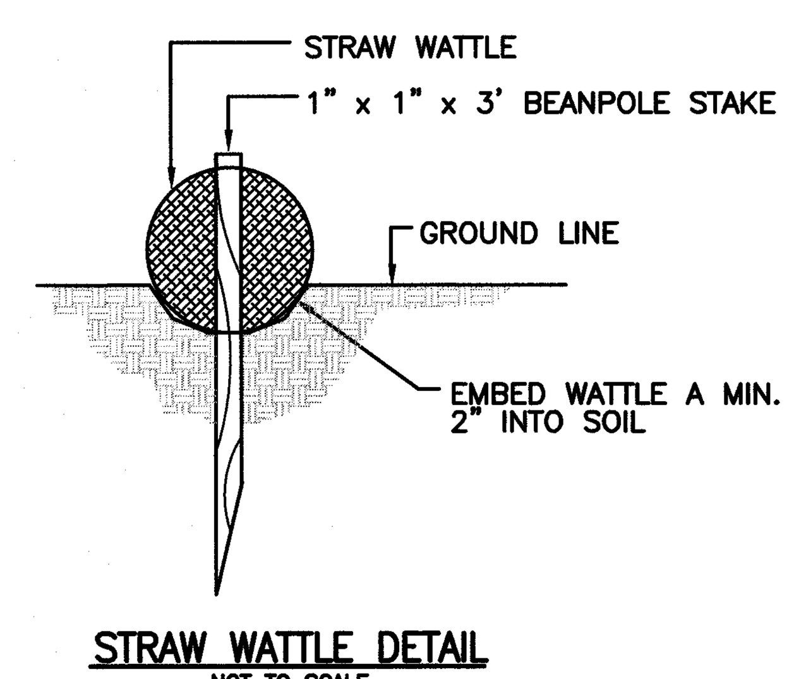
PLAN VIEW
1" = 15'

LEGEND

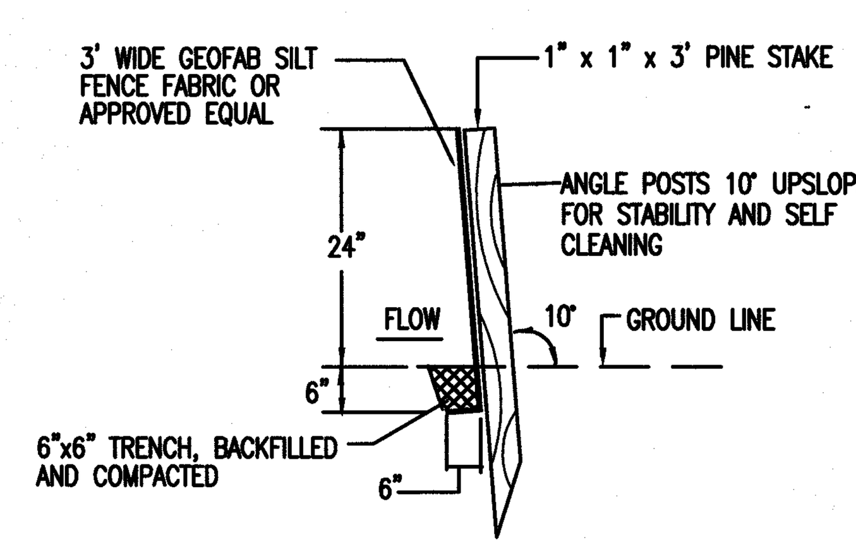
- WETLAND SYMBOL
- GUY WIRE
- HYDRANT
- WATER GATE
- TELEPHONE POLE
- EXIST. WATER — w —
- EXIST. GRADE
- WETLAND LINE
- STREAM CENTERLINE
- EXISTING FENCE — x —
- EXISTING TREELINE
- PROP. ELECTRIC —E—E—E—
- PROP. GAS — GAS —
- PROP. WATER — W —



CONSTRUCTION ENTRANCE
NOT TO SCALE



STRAW WATTLE DETAIL
NOT TO SCALE



SILT FENCE DETAIL

EROSION & SEDIMENT CONTROL NOTES:

THE FOLLOWING IS THE MINIMUM REQUIREMENTS THE CONTRACTOR SHALL FOLLOW TO PREVENT IMPACTS CAUSED BY EROSION AND SEDIMENTATION DURING CONSTRUCTION. THE CONTRACTOR MAY, AT HIS DISCRETION, IMPLEMENT ADDITIONAL MEASURES IF NECESSARY.

1. EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO STUMP REMOVAL AND CONSTRUCTION. STABILIZATION OF ALL REGRADED AND SOIL STOCKPILE AREAS WILL BE INITIATED AND MAINTAINED DURING ALL PHASES OF CONSTRUCTION.

2. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH LOCAL MUNICIPAL REGULATIONS. ALL EROSION CONTROL MEASURES ARE TO BE MAINTAINED AND UPGRADED AS REQUIRED TO ACHIEVE PROPER SEDIMENT CONTROL DURING CONSTRUCTION. A STAKED HAYBALE DAM SHALL BE INSTALLED DOWN GRADIENT OF ALL DRAINAGE OUTFALLS.

3. ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF DEEMED NECESSARY BY THE OWNER OR AGENTS OF THE OWNER.

4. CATCH BASINS WILL BE PROTECTED WITH HAYBALE FILTERS THROUGHOUT THE CONSTRUCTION PERIOD UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED. FILTER FABRIC SHOULD BE INSTALLED UNDER GRATE OPENING UNTIL PAVEMENT IS IN PLACE AND GROUND SURFACE IS STABILIZED.

5. SEEDING MIXTURE FOR FINISHED GRASSED AREAS WILL BE AS FOLLOWS:
   KENTUCKY BLUE GRASS 45%
   CREEPING RED FESCUE 45%
   PERENNIAL RYEGRASS 10%
   SEED TO BE APPLIED AT A RATE OF 4 LBS./1000 SQ. FT.
   FERTILIZER SHALL BE APPLIED AT A RATE OF 2 LBS./1000 SQ. FT.
   PLANTING SEASONS SHALL BE APRIL 1 TO JUNE 1 AND AUGUST 1 TO OCTOBER 1. AFTER OCTOBER 1, AREAS WILL BE STABILIZED WITH HAYBALE CHECK, FILTER FABRIC, OR WOODCHIP MULCH, AS REQUIRED, TO CONTROL EROSION.

6. AREAS TO BE LEFT BARE BEFORE FINISHED GRADING AND SEEDING IS ACHIEVED, SHALL RECEIVE A TEMPORARY SEEDING OF PERENNIAL RYEGRASS APPLIED TO A RATE OF 2 LBS./1,000 SQ. FT. AT A DEPTH OF 1/2 INCH. LIMESTONE (EQUIVALENT TO BE 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) SHALL BE APPLIED AS SEEDBED PREPARATION AT A RATE OF 90 LBS./1,000 SQ. FT. PLANTING SEASONS SHALL BE APRIL 1 TO JUNE 1 AND AUGUST 1 TO OCTOBER 1. WHERE GRASS PREDOMINATES, FERTILIZE ACCORDING TO A SOIL TEST AT A MINIMUM APPLICATION RATE OF 1 LB. OF NITROGEN PER 1 ,000 SQ. FT. AREAS TO BE LEFT BARE BEFORE FINISH GRADING AND SEEDING OUTSIDE OF PLANTING SEASONS SHALL RECEIVE AN AIR--DRIED WOOD CHIP MULCH, FREE OF COARSE MATTER, TREATED WITH 1-2, LBS. NITROGEN PER TON, APPLIED AT A RATE OF 185--275 LBS./1,000 SQ. FT.

7. AT ALL PROPOSED FILL AREAS WHICH ARE NOT CURRENTLY SHOWN ON THESE PLANS, THE CONTRACTOR SHALL ESTABLISH AN EROSION CONTROL LINE (HAYBALE CHECK OR FILTER FABRIC) ABOUT TEN (10') FEET FROM TOE TO SLOPE OF PROPOSED FILL AREAS PRIOR TO BEGINNING FILL INSTALLATION. STABILIZATION OF SLOPES IN FILL AREAS (USING MULCH OR GRASS) SHALL BE INITIATED WITHIN THIRTY (30) DAYS OF COMMENCEMENT OF FILL INSTALLATION.

EROSION & SEDIMENT CONTROL NOTES (CONT):

8. STABILIZATION OF SLOPES IN CUT AREAS (USING MULCH OR GRASS) AND THE INSTALLATION OF CONTROL LINE (HAYBALE CHECK OR FILTER FABRIC) AT THE TOE OF SLOPE SHALL BE INITIATED WITHIN THIRTY (30) FEET.

9. SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN. ALL HAYBALES OR SILT FENCE RETAINING SEDIMENT OVER 1/2 THEIR HEIGHT SHALL HAVE THE SEDIMENT REMOVED AND ALL DAMAGED EROSION CONTROLS SHALL BE REPAIRED OR REPLACED.

10. CONTRACTOR WILL BE ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND NOTIFYING THE PROPER TOWN AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY. THE OWNER SHALL BE RESPONSIBLE FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.

11. THE CONTRACTOR SHALL SECURE THE SERVICES OF A PROFESSIONAL ENGINEER, WHO SHALL VERIFY IN THE FIELD THAT THE CONTROLS REQUIRED BY THIS PLAN ARE PROPERLY INSTALLED, SHALL MAKE INSPECTION OF SUCH FACILITIES NOT LESS FREQUENTLY THAN EVERY 14 DAYS OR AFTER A RAINFALL IN EXCESS OF 1/4 INCH, WHICHEVER OCCURS FIRST.

12. STOCKPILES OF SOIL SHALL BE SURROUNDED BY A SEDIMENT BARRIER. SOIL STOCKPILES TO BE LEFT BARE FOR MORE THAN THIRTY (30) DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION OR MULCH. IF SOIL STOCKPILES ARE TO REMAIN FOR MORE THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED IN PLACE OF HAYBALES. SIDE SLOPES SHALL NOT EXCEED 2:1.

13. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WIND EROSION THROUGHOUT THE LIFE OF HIS CONTRACT. DUST CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO SPRINKLING OF WATER ON EXPOSED SOILS AND HAUL ROADS AS NEEDED. CONTRACTOR SHALL CONTROL DUST TO PREVENT A HAZARD TO TRAFFIC.

14. IF FINAL GRADING IS TO BE DELAYED FOR MORE THAN THIRTY (30) DAYS AFTER LAND DISTURBANCES CEASE, TEMPORARY VEGETATION OR MULCH SHALL BE USED TO STABILIZE SOILS.

15. HAYBALES SHALL BE USED ONLY AS A TEMPORARY MEASURE. WHERE CONTROL MEASURES WILL BE REQUIRED FOR LONGER THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED.

16. WHERE DEWATERING IS NECESSARY, THERE SHALL NOT BE A DISCHARGE DIRECTLY INTO WETLANDS OR WATERCOURSES. PROPER METHODS AND DEVICES SHALL BE UTILIZED TO THE EXTENT PERMITTED BY LAW, SUCH AS PUMPING WATER INTO A TEMPORARY SEDIMENTATION BOWL, PROVIDING SURGE PROTECTION AT THE INLET AND THE OUTLET OF PUMPS, OR FLOATING THE INTAKE OF THE PUMP, OR OTHER METHODS TO MINIMIZE AND RETAIN THE SUSPENDED SOLIDS. IF A PUMPING OPERATION IS CAUSING TURBIDITY PROBLEMS, SAID OPERATION SHALL CEASE UNTIL SUCH TIME AS FEASIBLE MEANS OF CONTROLLING TURBIDITY ARE DETERMINED AND IMPLEMENTED. SAID DISCHARGE POINTS SHALL BE LOCATED OVER 100 FEET FROM THE DELINEATED WETLANDS AS INDICATED ON THIS PLAN.

17. THE CONTRACTOR SHALL OBTAIN AN NPDES PERMIT PRIOR TO THE START OF CONSTRUCTION.

0 20' 40'
SCALE: 1" = 20'

REV.	DATE	DESCRIPTION	BY	APP.
2	11/2/2018	ADDITIONAL TOPO/WETLAND DELINEATION	SWL	RJR
1	9/21/18	GENERAL REVISIONS	SWL	RJR

DRAWING TITLE: **DETAILS AND EROSION CONTROL PLAN**

PROJECT: **BARTLETT STREET DRIVE EXTENSION**
ACUSHNET, MASSACHUSETTS

CLIENT: **NORM NICHOLS**

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· LAND SURVEYING
· ENVIRONMENTAL ASSESSMENT
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SCALE: SEE DETAIL
DATE: 9/12/2018
DRAWN BY: SWL
DESIGNED BY: RJR
CHECKED BY: RJR
APPROVED BY: RJR
SHEET NO. 3 OF 3
PROJECT NO. —

COMMONWEALTH OF MASSACHUSETTS RICHARD J. RHEAUME No. 28373 CIVIL REGISTERED PROFESSIONAL ENGINEER

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