

April 30, 2019

New Bedford Conservation Commission 133 William Street #312 New Bedford, MA 02740

RE: PROPOSED BARTLETT STREET DRIVEWAY

Dear Commission members:

Attached are the revised sets of plans for the driveway that is proposed to extend from the current terminus of Bartlett Street. The proponent has committed to constructing no more than two living units, therefore, the project is exempt from the DEP stormwater standards. The living unit will have a drinking water well, therefore, no municipal water will be extended from Bartlett Street. Electric, cable and telephone service will be overhead, therefore, no utilities are proposed under the proposed 14-foot wide driveway. With regards to Mark Manganello's comment that Tori Lynn Drive could have provided the access to the subject site, please note that the New Bedford Planning Board has a strict regulation that prohibits extending a cul-de-sac over 400 feet, and Tori Lynn Drive is already 400 feet long. On another project, we submitted a cul-de-sac with a 401-foot length and it was rejected. Clearly, access from Tori Lynn Drive would require crossing wetlands, and would be rejected for its length. The plans, as currently drawn, avoid wetland impact where possible, minimize the impact to the maximum extent practical and fully replicate the impact.

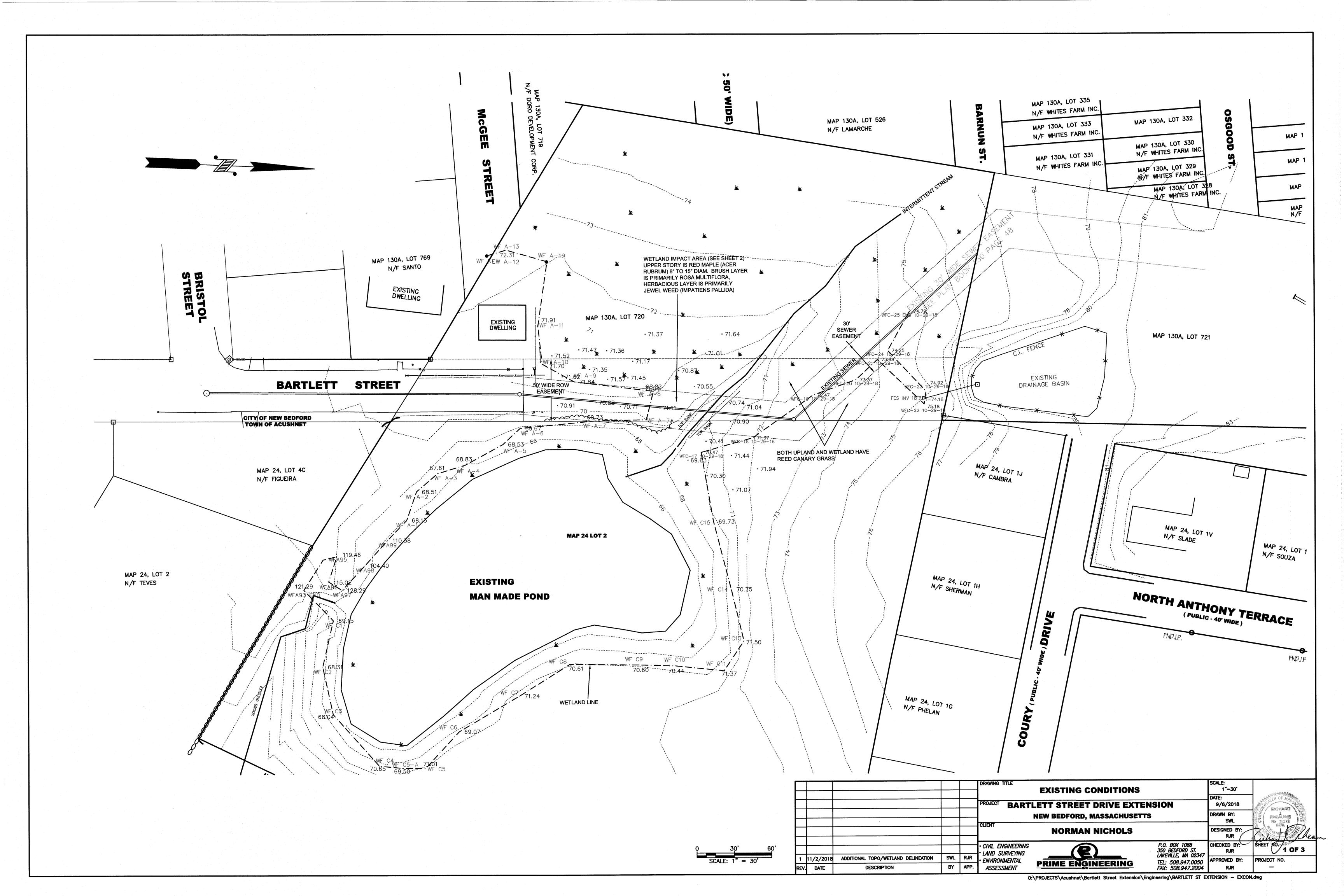
The comments from Nitsch were based on the incorrect notion that the proposed drive would access a four-lot subdivision, and as such, involved the DEP stormwater standards. Now that it is clearly a 14-foot driveway serving a maximum of two living units, none of the comments apply. Indeed, we no longer see any reason for a peer review since there is minimal wetland impact, the intermittent stream will be fully spanned and the DEP stormwater standards do not apply. The Commission has approved many driveways without peer review.

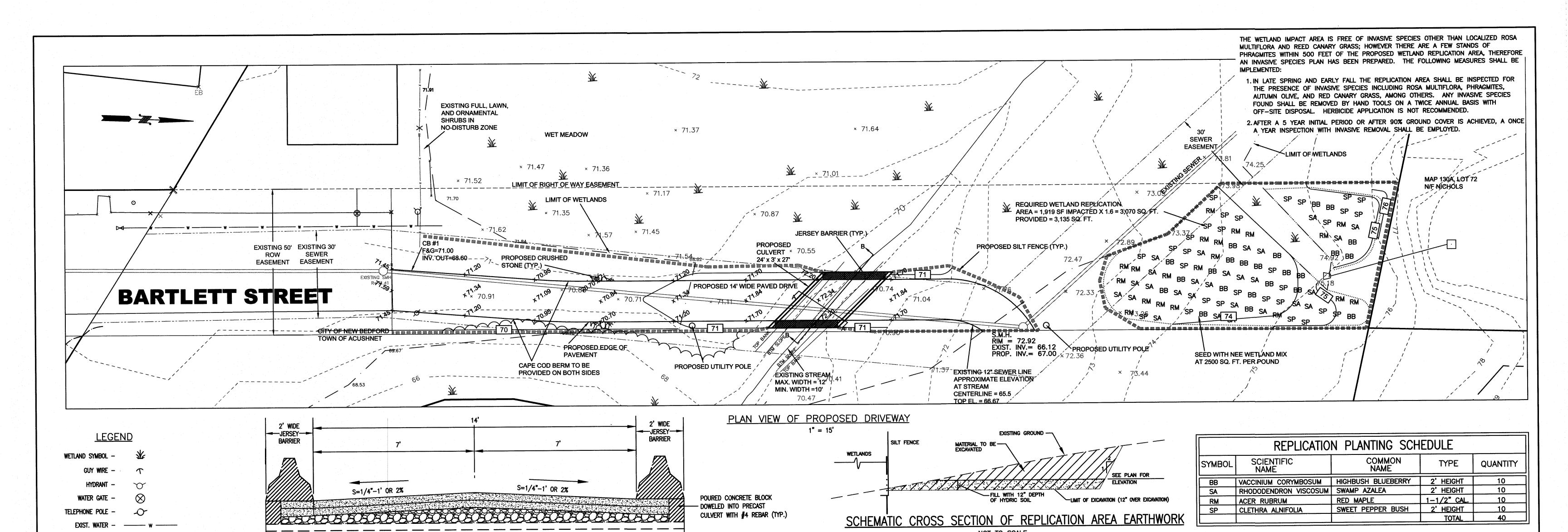
Sincerely,

PRIME ENGINEERING, INC

Richard J. Rheaume

Chief Engineer





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	EDGE CAREX STRICTA		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.		

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BLUE VERVAIN	VERBENA HASTATA	<5	FACW+	A NATIVE PLANT THAT BEARS ATTRACTIVE BLUE FLOWERS.

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

SEQUENCE OF CONSTRUCTION FOR WETLANDS REPLICATION AREAS

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

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

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 I NÉWLY PLANTED REPLICATION AREA.

						NEWLY PLANTED REPLICATIO	N AREA.		
					DRAWING TITLE	PROPOSED PRIVATE DRIVE		SCALE: SEE DETAIL	
							STREET DRIVE EXTENSION		
						NEW BEDFORD, MASSACHUSETT	<b>S</b>	DRAWN BY: SWL	S m. 25373
					CLIENT	NORM NICHOLS		DESIGNED BY:	The Che
3	4/29/19	GENERAL REVISIONS	SWL	RJR	COM ENCINEEDING		P.O. BOX 1088	CHECKED BY:	SHEET NO.
2	11/2/18	ADDITIONAL TOPO/WETLAND DELINEATION	SWL	RJR	• CIVIL ENGINEERING • LAND SURVEYING	<b>(2</b> )	350 BEDFORD ST.	RJR	∨ 2 OF 3
1	9/21/18	GENERAL REVISIONS	SWL	RJR	• ENVIRONMENTAL	POINT ENGINEERING	LAKEVILLE, MA 02347 TEL: 508.947.0050	APPROVED BY:	PROJECT NO.
PE/	DATE	DESCRIPTION	BY	APP.	ASSESSMENT	PRIME ENGINEERING	FAX: 508.947.2004	RJR	_

## 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 STOCKPILED STREAM BOTTOM MATERIAL SHALL THEN BE PLACED AND BROUGHT BACK TO THE ORIGINAL STREAM BOTTOM ELEVATION.

### ESSENTIAL CONSTRUCTION SEQUENCE FOR BOX CULVERT INSTALLATION

EXIST. GRADE - ---

WETLAND LINE - ----

EXISTING FENCE - X

EXISTING TREELINE - ~~~~~

PROP. ELECTRIC - —E——E——E—

STREAM CENTERLINE - -

- 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.

## CONCRETE JERSEY BARRIER. 2.5" PAVEMENT LAYER OVER BOX CULVERT SLAE CONCRETE CULVERT -EXISTING STREAM -BED SOIL TO REMAIN EXISTING 12" \_\_

DRIVEWAY CROSS SECTION A-A OVER STREAM

1" = 5'

# **NOTES:**

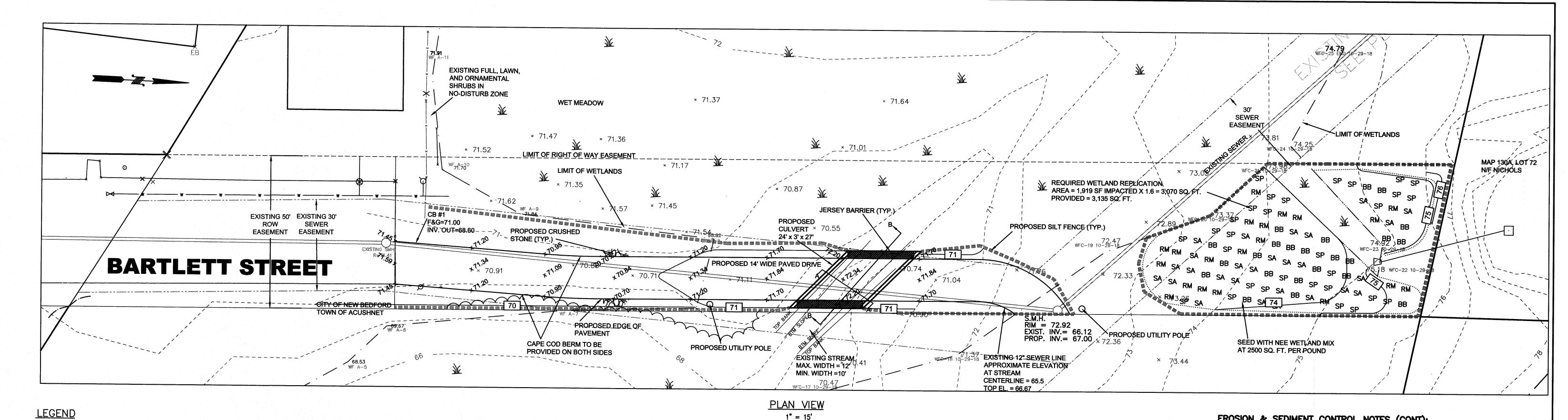
CRUSHED STONE

EXISTING 12" SEWER LINE

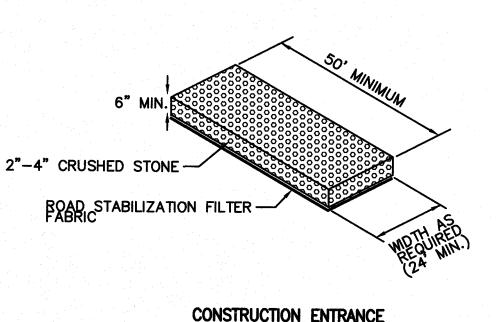
STREAM FLOW

DRIVEWAY CROSS SECTION B-B OVER STREAM NOT TO SCALE

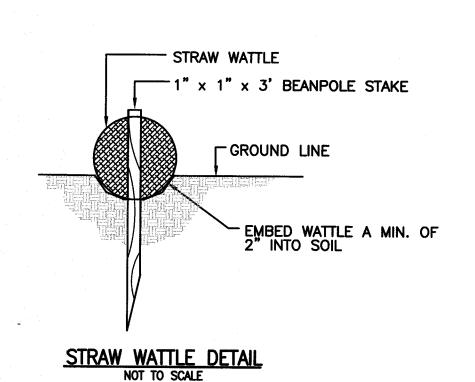
- 1. ANY MINOR MODIFICATIONS (AS DETERMINED BY THE CITY ENGINEER AND THE CONSERVATION AGENT) TO THE INFORMATION SHOWN ON THE APPROVED SITE PLANS SHALL BE SUBMITTED TO THE CITY ENGINEER AND CONSERVATION AGENT AS A MINOR PLAN REVISION FOR APPROVAL PRIOR TO THE WORK BEING PERFORMED.
- 2. ANY WORK AND MATERIAL 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.
- 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.
- 8. LIMIT OF 2 HOUSE LOTS.
- 9. AT LOCATIONS WHERE THE EXISTING SEWER PIPE AND PROPOSED CULVERT FOOTING COME INTO CONTACT, THE FOOTING SHALL BE LOWERED TO ACCOMMODATE THE PIPE.

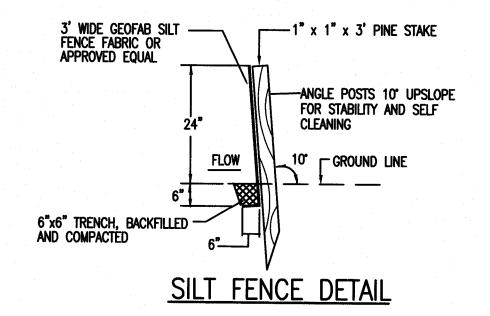


STREAM CENTERLINE -EXISTING FENCE - X 2"-4" CRUSHED STONE EXISTING TREELINE -PROP. ELECTRIC - —E——E——



NOT TO SCALE





### **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 CREEPING RED FESCUE 45% PERENNIAL RYEGRASS
- 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.
- 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 ROSION 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
- 17. THE CONTRACTOR SHALL OBTAIN AN NPDES PERMIT PRIOR TO THE START OF

