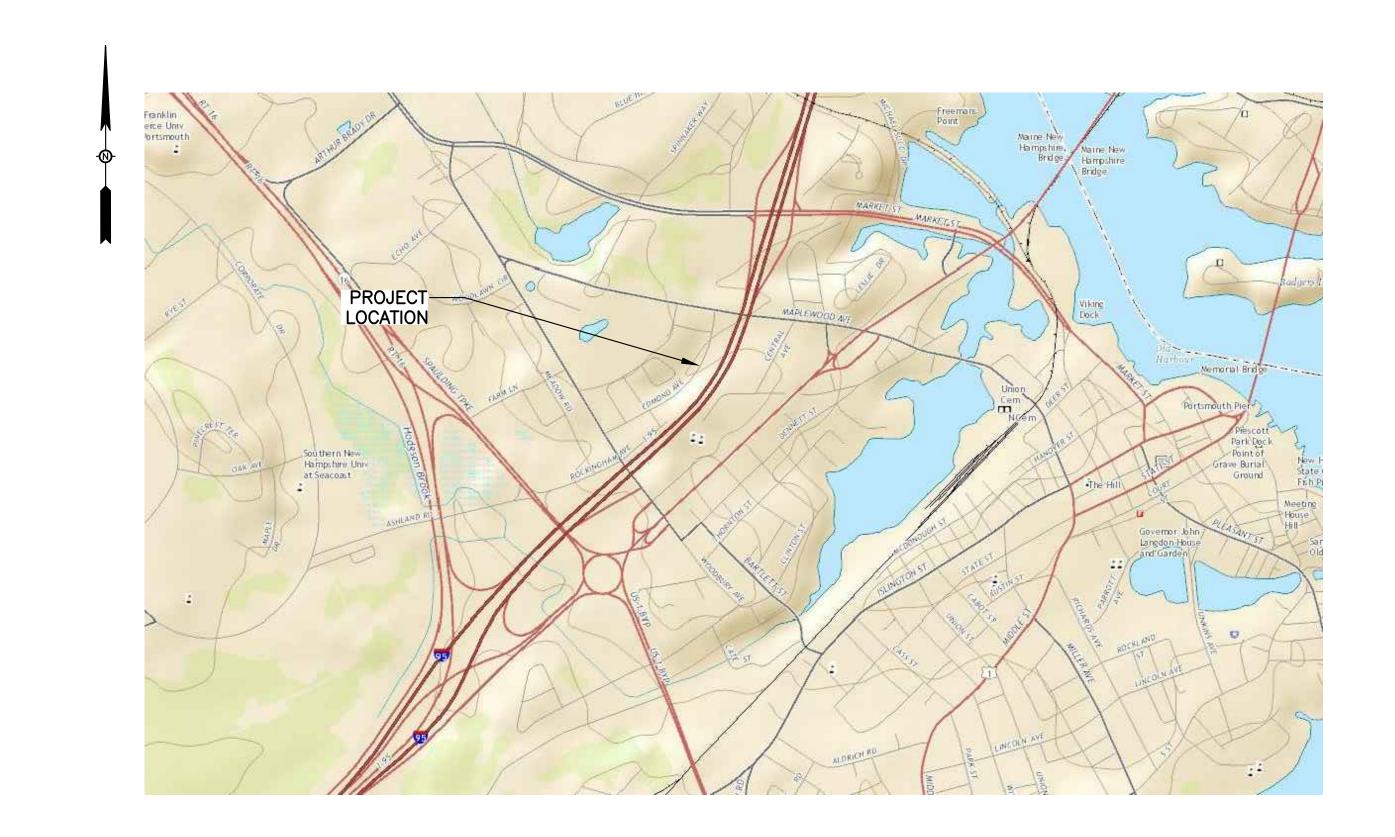
## EDMOND AVENUE Portsmouth, New Hampshire CULVERT IMPROVEMENT PLANS SPRING 2020

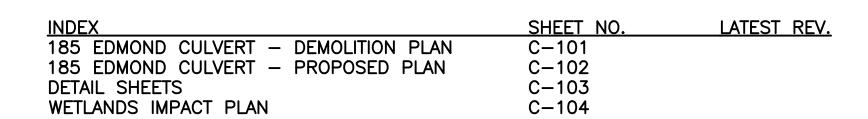
PREPARED FOR: DEPARTMENT OF PUBLIC WORKS

CITY OF PORTSMOUTH 680 PEVERLY HILL ROAD PORTSMOUTH, NH 03801

PREPARED BY: SEAPORT ENGINEERING, LLC

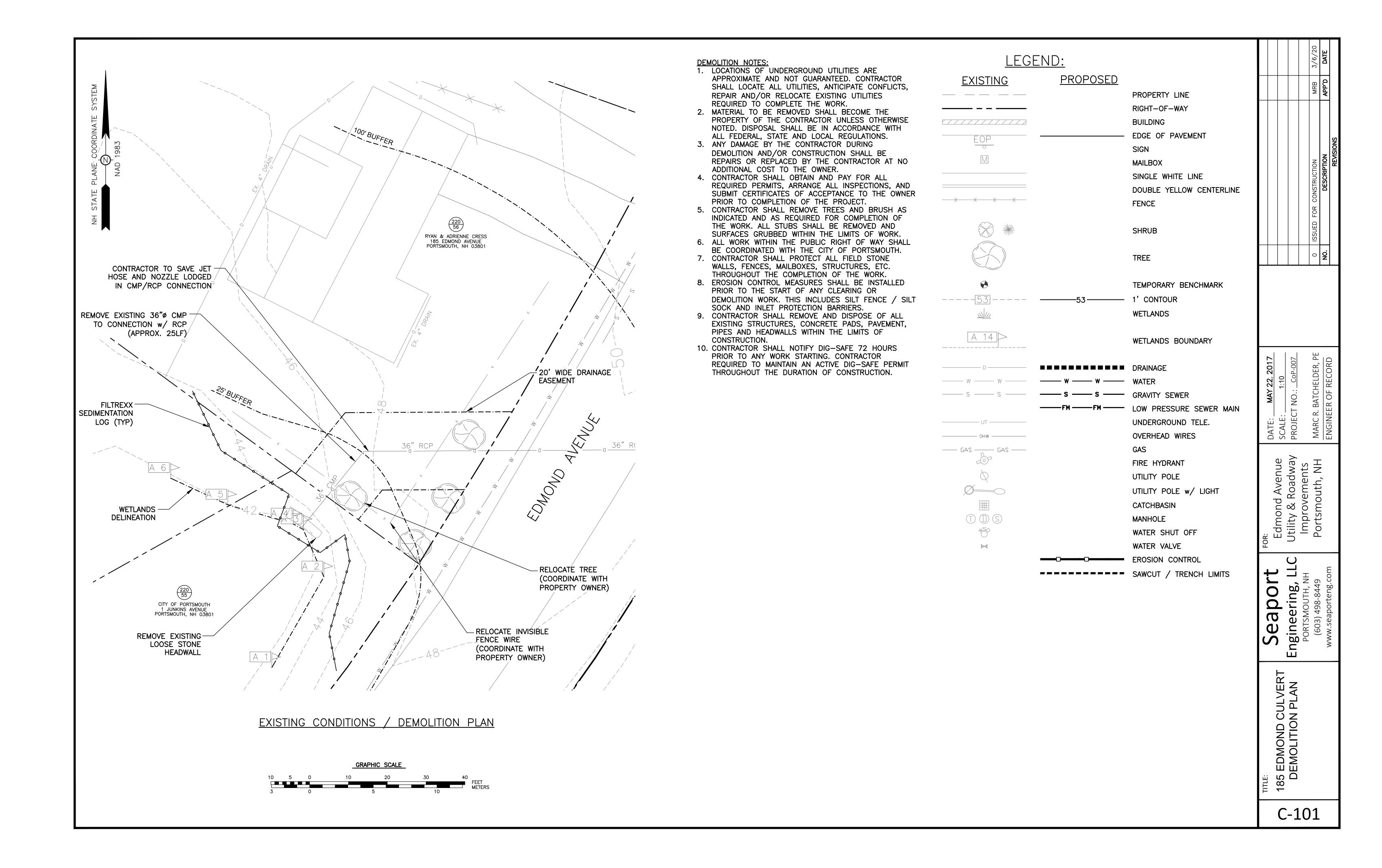
PORTSMOUTH, NH 03801 WWW.SEAPORTENG.COM 603-498-8449

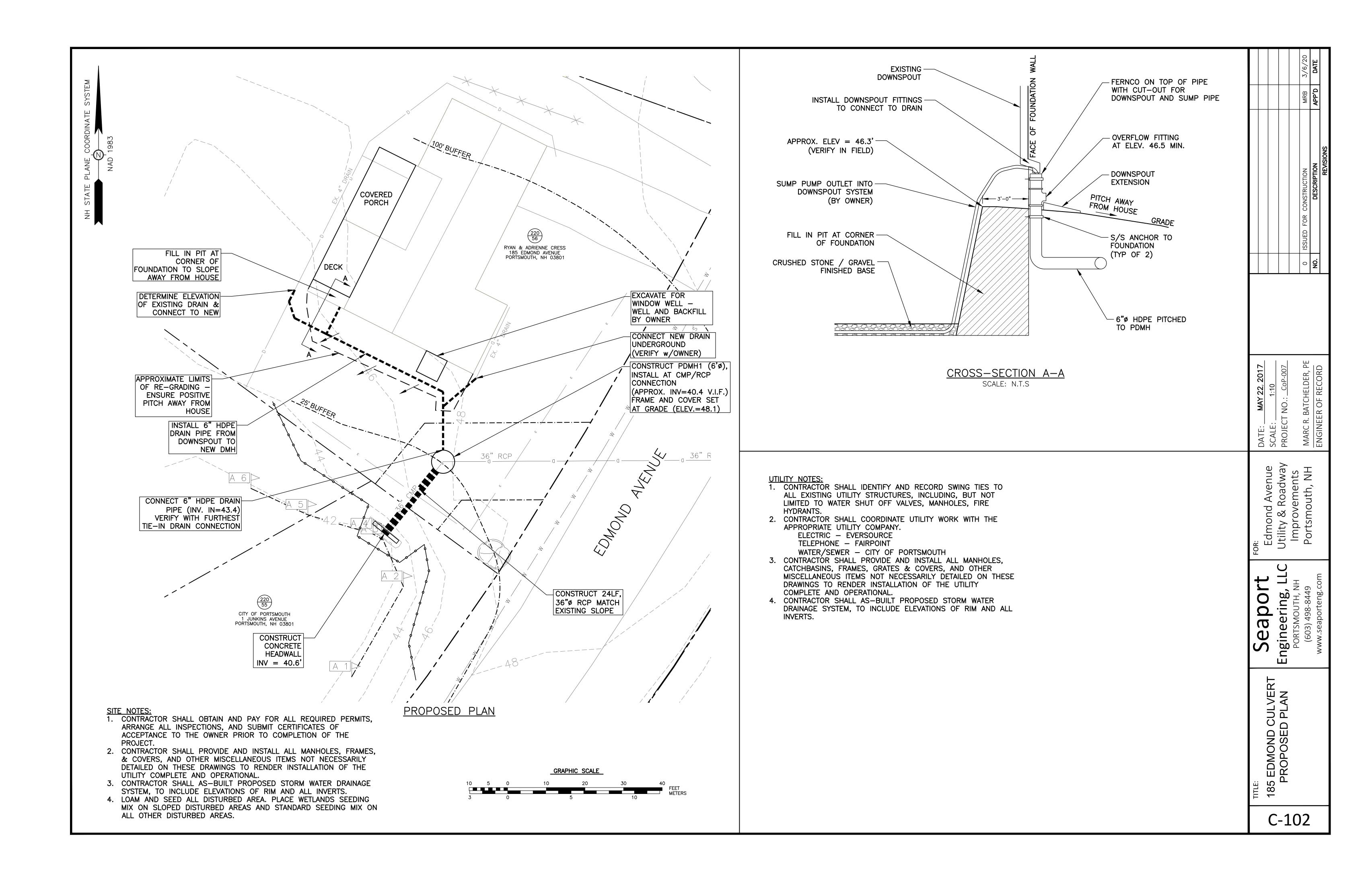


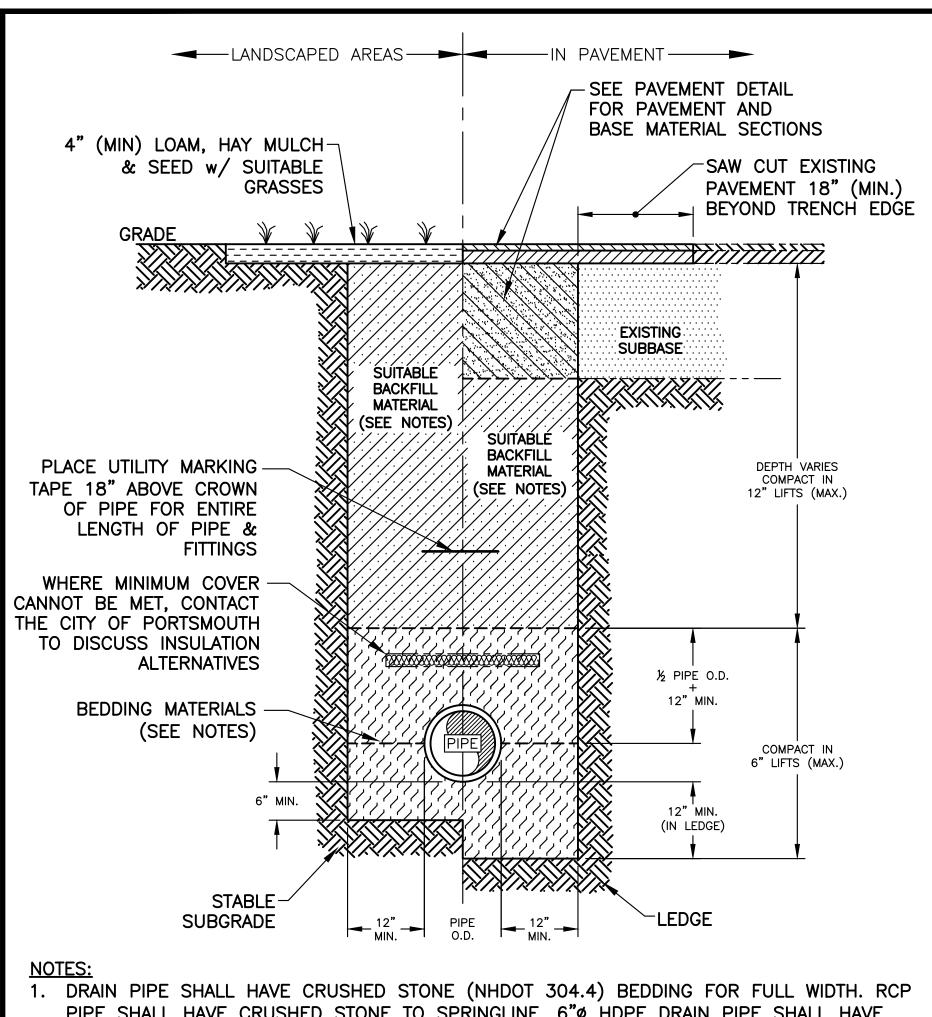


## ISSUED FOR CONSTRUCTION

3/6/2020



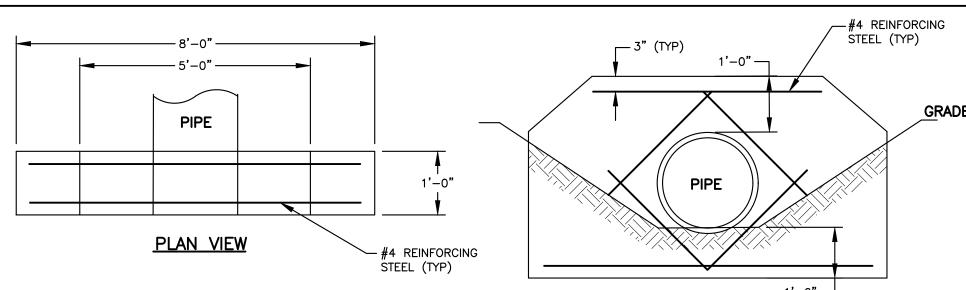




- PIPE SHALL HAVE CRUSHED STONE TO SPRINGLINE. 6" HDPE DRAIN PIPE SHALL HAVE CRUSHED STONE TO 3" ABOVE PIPE.
- 2. BEDDING MATERIAL FOR ALL PIPE IS SUBSIDIARY TO THE PIPE PAY ITEM.
- 3. SUITABLE MATERIAL FOR TRENCH BACKFILL SHALL BE THE NATURAL MATERIAL EXCAVATED DURING CONSTRUCTION, BUT SHALL EXCLUDE DEBRIS, PIECES OF PAVEMENT, ORGANIC MATTER, TOP SOIL, ALL WET OR SOFT MUCK, PEAT OR CLAY, ALL EXCAVATED LEDGE MATERIAL, AND ALL ROCKS OVER SIX INCHES IN LARGEST DIMENSION, OR ANY MATERIALS DEEMED TO BE UNACCEPTABLE BY THE ENGINEER.
- 4. DEPTH OF COVER SHALL BE:

WATER - 5' MIN. & 7' MAX. (<5' REQ. RIGID INS.) SEWER - 6' MIN. (<5' REQ. RIGID INS.) DRAIN - AS INDICATED ON PLANS (<3' REQ. RIGID INS.)

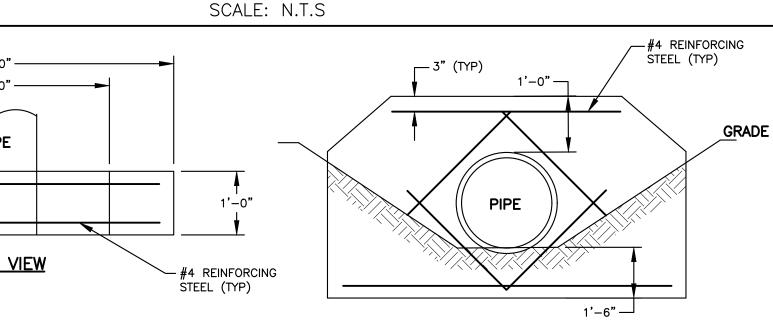
## **UTILITY TRENCH**



- NOTES:

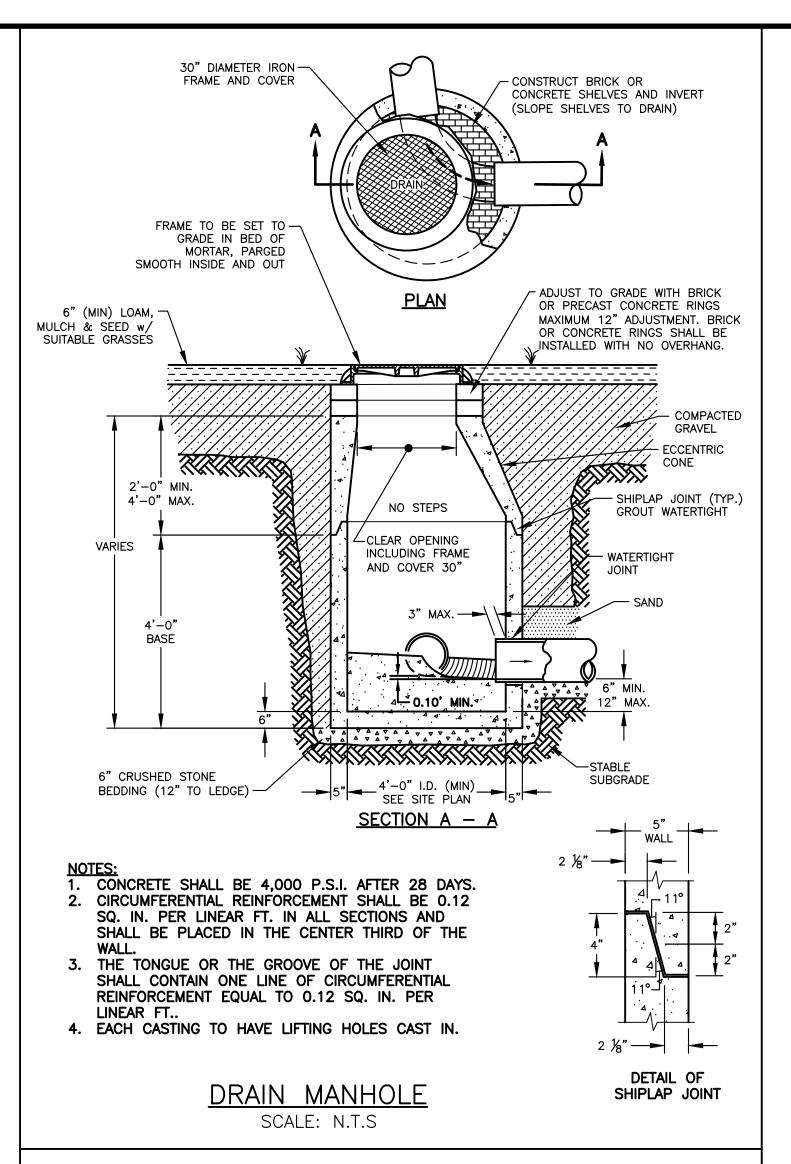
  1. CONCRETE SHALL BE 4,000 P.S.I. AFTER 28 DAYS.

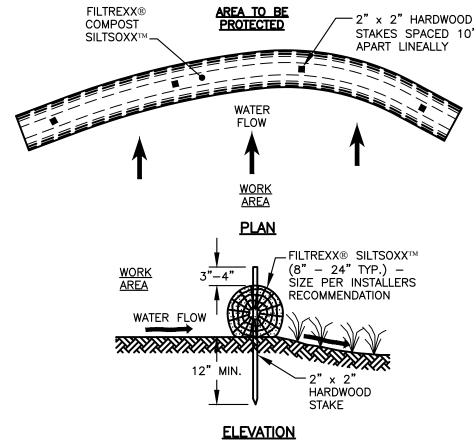
  2. CONTRACTOR SHALL PROVIDE SHEET PLATES TO ACT
- AS COFFER DAMS DURING INSTALLATION OF PIPE AND CONSTRUCTION OF HEADWALL. 3. CONTRACTOR RESPONSIBLE FOR ALL DE-WATERING
- 4. COORDINATE WITH DPW TO INSPECT BASE FOR HEADWALL. AN ADDITIONAL 12" OF CRUSHED STONE MAY BE REQUIRED FOR BASE.



**ELEVATION VIEW** 

**CONCRETE HEADWALL** SCALE: N.T.S



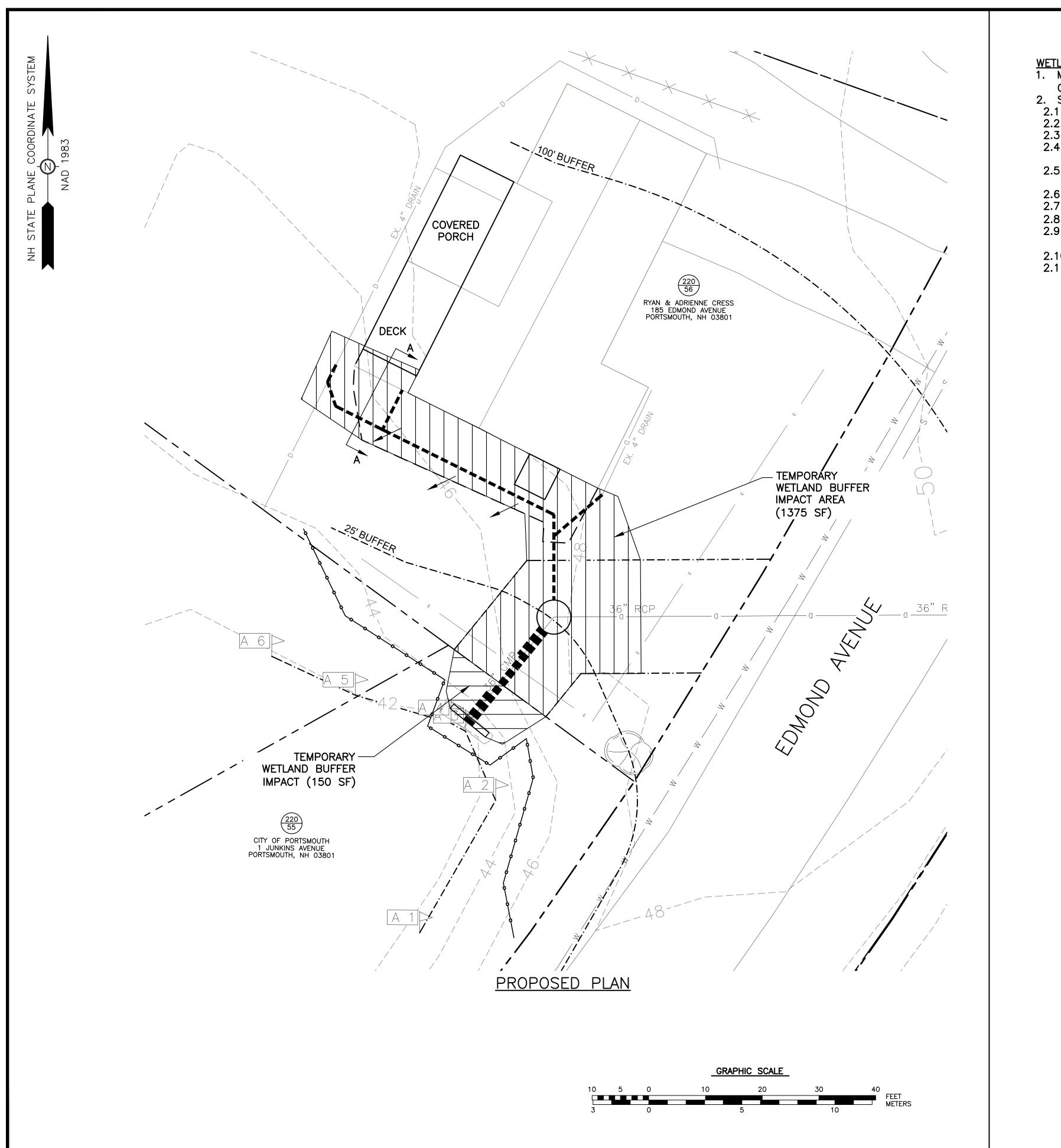


- ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
- FILLTREXX SYSTEM SHALL BE INSTALLED BY A CERTIFIED FILTREXX
- THE CONTRACTOR SHALL MAINTAIN THE COMPOST FILTRATION SYSTEM IN A FUNCTIONAL CONDITION AT ALL TIMES. IT WILL BE ROUTINELY INSPECTED AND REPAIRED WHEN REQUIRED.
- SILTSOXX DEPICTED IS FOR MINIMUM SLOPES. GREATER SLOPES MAY REQUIRE ADDITIONAL PLACEMENTS.
- THE COMPOST FILTER MATERIAL WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED, AS DETERMINED BY THE ENGINEER.

SEDIMENTATION FENCE / LOG SCALE: N.T.S

					3/6/2	DATE	
					MRB	APP'D	
					ISSUED FOR CONSTRUCTION	DESCRIPTION	REVISIONS
					0	O	
	DATE: MAY 22, 2017	SCALE: VARIES	PROJECT NO.: CoP-007		MARC R. BATCHELDER, PE		
FOR:			Utility & Roadway	Improvements	Portsmouth NH		
T	Seabort	5	Engineering, LLC	PORTSMOUTH, NH	(603) 498-8449		www.scaporceig.com
: <b>3</b> 111L		DETAIL SHEET					
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- WETLANDS NOTES:

  1. MECHANICAL EQUIPMENT SHALL SIT ON TOP OF BANK AND GENERALLY NOT WITHIN 10' OF EDGE OF WETLANDS.
- 2. SCOPE OF WORK INCLUDES:
- 2.1. INSTALL EROSION CONTROL DEVICES.
- 2.2. SET SHEET PLATE IN FROM OF EXISTING HEADWALL AND PIPE.
- 2.3. REMOVE HEADWALL AND EXISTING CMP.
- 2.4. REMOVE PORTION OF RCP TO ALLOW FOR INSTALLATION OF DRAIN MANHOLE.
- 2.5. PLACE APPROPRIATE BEDDING FOR DRAIN MANHOLE AND NEW
- 2.6. INSTALL DRAIN MANHOLE AT END OF RCP.
- 2.7. INSTALL NEW RCP PIPE AND CONCRETE HEADWALL.
- 2.8. INSTALL NEW 6"ø HDPE DRAIN PIPE AROUND HOUSE.
- 2.9. BACKFILL AROUND PIPE AND STRUCTURES. GRADE AS NECESSARY
- 2.10. PLACE 6' LOAM TO GRADE, SEED AND HAY DISTURBED AREAS. 2.11. REMOVE EROSION CONTROL DEVISES ONCE SLOPE HAS BEEN
  - STABILIZED.

۵	APP'D	DESCRIPTION	Ñ.
3/(	MRB	0 ISSUED FOR CONSTRUCTION	0

Edmond Avenue Utility & Roadway Improvements Portsmouth, NH

Engineering, LLC PORTSMOUTH, NH Seaport

185 EDMOND CULVERT WETLAND IMPACT PLAN

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