PUBLIC NOTICE



US Army Corps of Engineers ⊗ New England District 696 Virginia Road Concord, MA 01742-2751 Comment Period Begins: December 23, 2014 Comment Period Ends: January 22, 2015

File Number: NAE-2014-02154 In Reply Refer To: Lindsey Lefebvre

Phone: (978) 318-8295

E-mail: Lindsey.E.Lefebvre@usace.army.mil

The District Engineer has received a permit application to conduct work in waters of the United States from Massachusetts Electric Company d/b/a National Grid (Beverly Auxford-Paiva), 170 Medford Street, Malden, Massachusetts 02148. This work is proposed in an unnamed perennial stream at 1101 Turnpike Street, North Andover, Massachusetts. The site coordinates are: Latitude 42.652518°, Longitude -71.100676°.

Although this project may have only minimal impacts and may be eligible for authorization under the current Massachusetts General Permit, the work is not expected to begin until after the General Permit expires on January 20, 2015. The applicant is seeking an individual permit to allow for a full five years in which to complete the work.

The work involves the discharge of 1,892.5 square feet of fill material below Ordinary High Water (OHW) of an unnamed perennial stream associated with repairs to an existing culvert and headwall, and removal of one coniferous tree. Culvert 1 has been in place for 60 years and is extensively corroded and deformed. The project proposes to slip line the existing 66-inch CMP culvert with a 54-inch Innerflow high-density polyethylene culvert. Work within the stream bed will be limited to placing a support structure in stream to slip the pipe, and all other equipment and materials will be lowered into the work area from a stabilized construction entrance. Flow through the existing pipe will continue throughout the slip lining process with no diversion required. Water exiting the construction site will then flow through a siltation curtain where it will be filtered before reintroduction to the undisturbed reach of the area. The headwall at the outlet of culvert 2 is constructed out of boulders and due to the settlement and shifting of these stones, the ground behind the headwall has subsided, leaving holes and gaps behind the wall. The construction equipment for this repair will be situated within a 16 foot by 32 foot primary work area consisting of swamp mats and encircled by weed free bales and silt fence. A siltation curtain will also be provided immediately below the headwall. No in-water work will be required. The coniferous tree will be removed from the wetland by hand to avoid heavy machinery near the wetlands. The stump will be left in place. The total proposed impact, 1,892.5 square feet, is related to the repairs of Culvert 1.

The work is shown on the attached plans entitled "Proposed Culvert Repairs Permitting Plans," on 10 sheets, and dated "June 27, 2014."

In developing plans for replacing the culvert repairs, Massachusetts Electric Company considered ways to avoid and minimize impacts to waters of the United States, including wetlands. Steps to avoid and minimize impacts to wetlands and waterways include surface water immediately below the work area will flow through a siltation curtain before discharging to lower reaches of the stream to prevent sedimentation downstream, vegetation plantings along the stream bank where any direct impacts occurred, and the upland riparian zone that is temporarily disturbed will be hydro-seeded with a New England Conservation/Wildlife mix. No compensatory mitigation is proposed because the impacts are minimal.

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AUTHORITY

Permits are required pursuant to:
Section 10 of the Rivers and Harbors Act of 1899
X Section 404 of the Clean Water Act
Section 103 of the Marine Protection, Research and Sanctuaries Act.

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972, as amended.

NATIONAL HISTORIC PRESERVATION ACT

Based on his initial review, the District Engineer has determined that little likelihood exists for the proposed work to impinge upon properties with cultural or Native American significance, or listed in, or eligible for listing in, the National Register of Historic Places. Therefore, no further consideration of the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended, is necessary. This determination is based upon one or more of the following:

- a. The permit area has been extensively modified by previous work.
- b. The permit area has been recently created.
- c. The proposed activity is of limited nature and scope.
- d. Review of the latest published version of the National Register shows that no presence of registered properties listed as being eligible for inclusion therein are in the permit area or general vicinity.
- e. Coordination with the State Historic Preservation Officer and/or Tribal Historic Preservation Officer(s)

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ENDANGERED SPECIES CONSULTATION

The New England District, Army Corps of Engineers has reviewed the list of species protected under the Endangered Species Act of 1973, as amended, which might occur at the project site. It is our preliminary determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect any Federally listed endangered or threatened species or their designated critical habitat. By this Public Notice, we are requesting that the appropriate Federal Agency concur with our determination.

The following authorizations have been applied for, or have been, or will be obtained:

- () Permit, License or Assent from State.
- (X) Permit from Local Wetland Agency or Conservation Commission.
- (X) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. Comments should be submitted in writing by the above date. If you have any questions, please contact Lindsey Lefebvre at (978) 318-8295, (800) 343-4789 or (800) 362-4367, if calling from within Massachusetts.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.

Karen Adams

Chief, Permits and Enforcement Branch

Van Kada

Regulatory Division

If you would prefer not to continue receiving Public Notices by email, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil. You may also check here () and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME:	
ADDRESS:	
PHONE:	

PROPOSED CULVERT REPAIRS PERMITTING PLANS 1101 TURNPIKE STREET NORTH ANDOVER, MA 01845



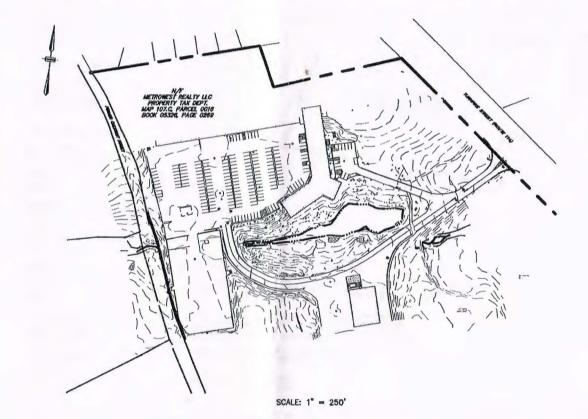
MASS GIS 2008 AERIAL PHOTO

PREPARED FOR:

NATIONAL GRID **40 SYLVAN ROAD** WALTHAM, MA 02451



4 FIRST STREET, BRIDGEWATER, MASSACHUSETTS 02324 PHONE: 508.697.3191, FAX: 508.697.5996 WEBSITE: www.coneco.com



REVISED SEPTEMBER 12, 2014

ENGINEER: TRACY L. DUARTE, P.E. CONECO ENGINEERS & SCIENTISTS, INCORPORATED BRIDGEWATER, MA 02324

		REVISIONS	
NO.	DATE	DESCRIPTION	DR/C
1	8/22/2014	REVISED WORK AREA AND TREE PLANTING	JEN/T
1	9/12/2014	A.C.O.E FORMATTING	JEH/J

SHEET

DESCRIPTION

COVER SHEET

DETAIL SHEET

TREE REMOVAL PLAN

LEGEND & NOTES
EXISTING CONDITIONS CULVERT 1 REPAIR
PROPOSED CONDITIONS CULVERT 1 REPAIR

PLAN & PROFILE CULVERT 1 REPAIR EXISTING CONDITIONS CULVERT 2 REPAIR PROPOSED CONDITIONS CULVERT 2 REPAIR

RESOURCE AREA RESTORATION PLAN

PREPARED ON: JUNE 27, 2014

MASSACHUSETTS REGISTERED PROFESSIONAL ENGINEER #48660

LEGEND		ABBREVIATIONS		NOTES		
EXISTING	PROPOSED	DESCRIPTION	ABBREV.	DESCRIPTION	GENERAL: 1. THE CONTRACTOR SHALL NOTIFY "DISSAFE" (1-888-DISSAFE) AT 1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN	
		PROPERTY LINE	ABAN ADJ	ABANDON ADJUST	LEAST 72 HOURS (S BUSINESS DAYS) BEFORE EXCAVATING. AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVES. THE CONTRACTOR	
		PROPERTY LINE ABUTTER EASEMENT LINE	ASB BC	ASSUILT BOTTOM OF CURB	SAFETY, CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS. **BEEVATION OF ALL EXISTING UTILITY IS FOUND TO CONSTRUCTION.** **BEEVATION OF ALL EXISTING UTILITY IS FOUND TO CONSTRUCTION.**	
		EDGE OF BANK	OF BIT. BM	BANK FLAG BITUMINOUS BENCH MARK	3. UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY PROPOSED WORK, OR EXISTING CONDITIONS DIFFER FROM THOSE SHOWN SUCH THAT THE WORK CANNOT BE COMPLETED AS	
		EDGE OF WETLAND STREAM CENTERLINE	BOS	BOTTOM OF SLOPE BORDERING VEGETATED WETLAND	MECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS. HELDORD, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED IN WRITING TO THE OWNER'S REPRESENTATIVE FOR THE RESOLUTION OF THE CONFLICT.	
		100' RIVERFRONT AREA	CB CBDH CB	CATCH BASIN CONCRETE BOUND DRILL HOLE CAPE COD BERM	4. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE FAILURE TO PROVIDE OR PERFORM THE ABOVE PRIOR TO PERFORMING ANY WORK SHALL NOT BE GROUNDS FOR EXTRA	
		200' RIVERFRONT AREA	OF CFS CI	CUBIC FEET CUBIC FEET PER SECOND CAST IRON PIPE	EXPENSE.	
		25' NO DISTURBANCE ZONE 50' NO BUILDING ZONE	CLDI	CEMENT LINED DUCTILE IRON PIPE CHAIN LINK FENCE CORRUGATED METAL PIPE	5. IN THE EVENT THAT SUSPECTED CONTAMINATED SOIL, GROUNDWATER OR OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON MSUAL, OLFACTORY, OR OTHER 1. ALL AREAS CLEARED AND/OR DISTURBED SHALL BE BROUGHT TO WITHIN 6 INCHES OF FINAL GRADE AND FINISHED WITH 6 INCHES OF	
		100' WETLAND BUFFER	CMP CO CONC. CPD	CLEAN OUT CONCRETE CONCRETE PAD	EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF LOAM AND SEED EXCEPT WHERE OTHER FINISHES ARE PROPOSED THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE (REFER TO PLANS). MATERIAL, AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE	
105		MAJOR GROUND CONTOUR MINOR GROUND CONTOUR	CPP DH	CORRUGATED POLYETHYLENE PIPE DRILL HOLE	APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN. 2. CONTRACTOR IS RESPONSIBLE FOR REPLACING (IN KIND) ALL DEAD OR DYING PLANT MATERIAL FOR A PERIOD OF 2 YEARS AFTER INITIAL PLANTING.	
		EDGE OF PAVEMENT	DMH	DRAIN MANHOLE ELECTRIC HANDHOLE	1. VERTICAL DATUM: NAVD 88 (CORS) BENCHMARK USED: CORS 'STA MASA	
		CAPE COD BERM	ELEV. ELEC. EOP	ELEVATION ELECTRIC EDGE OF PAVEMENT	BENCHMARKS SET: AS HOTED HORIZONTAL COORDINATES: PROJECTION: MA STATE PLANE	
		BUILDING	EOW	EDGE OF WETLANDS FLARED END SECTION	HORIZONTAL DATUM: NAD 83(2011), EPOCH 2010.00	
××××		TREE LINE ROCK WALL	FES FF FPS	FINISHED FLOOR FEET PER SECOND	2. THE EXISTING CONDITIONS SHOWN IN THIS PLAN SET WERE CREATED BY THOMAS F, MORAN, INC., PLAN SET OF 1101 TURNIPIKE STREET, NORTH ANDOVER, MASSAGUISETTS PREPARED FOR MASSACHUSETTS	
		DRAINAGE LINE	FT GG	FOOT OR FEET GAS GATE	ELECTRIC COMPANY d/b/a NATIONAL GRID DATEO FEBRUARY 14, 2014.	
		CHAIN LINK FENCE SEWER LINE	ev H	GATE VALVE HEIGHT HIGH DENSITY POLYETHYLENE	3. EDGE OF BORDERING VEGETATED WETLAND AND BANK WERE DELINEATED AND FIELD LOCATED BY CONECO ENGINEERS AND SCIENTISTS INC. BETWEEN BAY 27TH & 30TH, 2014.	
		UNDERGROUND ELECTRIC	HOPE HYD	HYDRANT	4. PROJECT COORDINATES: LATITUDE: N 42.652518, LONGITUDE: W 71.100676	
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-o- ∳		UTILITY POLE	MAX MH MIN	MAXIMUM MANHOLE MINIMUM		1
•		BOUND W/ DRILL HOLE	MW N /F	MONITORING WELL NOT ENCOUNTERED		T
• _{B-1}		BANK/WETLAND FLAG WATER VALVE	N/E NTS O.D.	NOT TO SCALE OUTSIDE DIAMETER		4
M [∞]		GAS VALVE	OHW	OVERHEAD WIRE	METITOHEST REALTY LLC	
ф (3)		HYDRANT PARKING SPACE COUNT	PCC PIV PL	PRECAST CONCRETE CURB POST INDICATOR VALVE PROPERTY LINE	METROMEST PICK CHETY LLC PROGRESTIV PIX CHETY LLV FORCE COSE BOOK COSEN, PLACE CHES	
	0	HAYBALE/SILT FENCE	PVC	POLYVINYL CHLORIDE PIPE RIM	and the state of t	
Q o	œ	FLARED END SECTION SIGN	RCP	REINFORCED CONCRETE PIPE SLOPE		\/
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			SSLW	SQUARE FEET SEWER MANHOLE SINGLE STRIPED LINE WHITE SINGLE STRIPED LINE YELLOW	SEE SHEETS 3, 4, & 5	
		16	TB TC TMH	TEST BORING TOP OF CURB TELEPHONE MANHOLE		
			TC TMH TOB TOF TOS TP TYP.	TOP OF BANK TOP OF FOUNDATION TOP OF SLOPE		1
			TP TYP.	TEST PIT TYPICAL		
			UP WO A	UTILITY POLE		
			WG/V WMH	WATER GATE/VALVE WATER MAIN WATER MANHOLE		
					SEE SHEETS 6 & 7	
						1.777
					KEY PLAN 200' o	200'
					SCALD 1"=200"	

LEGEND AND NOTES

PERMITTING PLANS

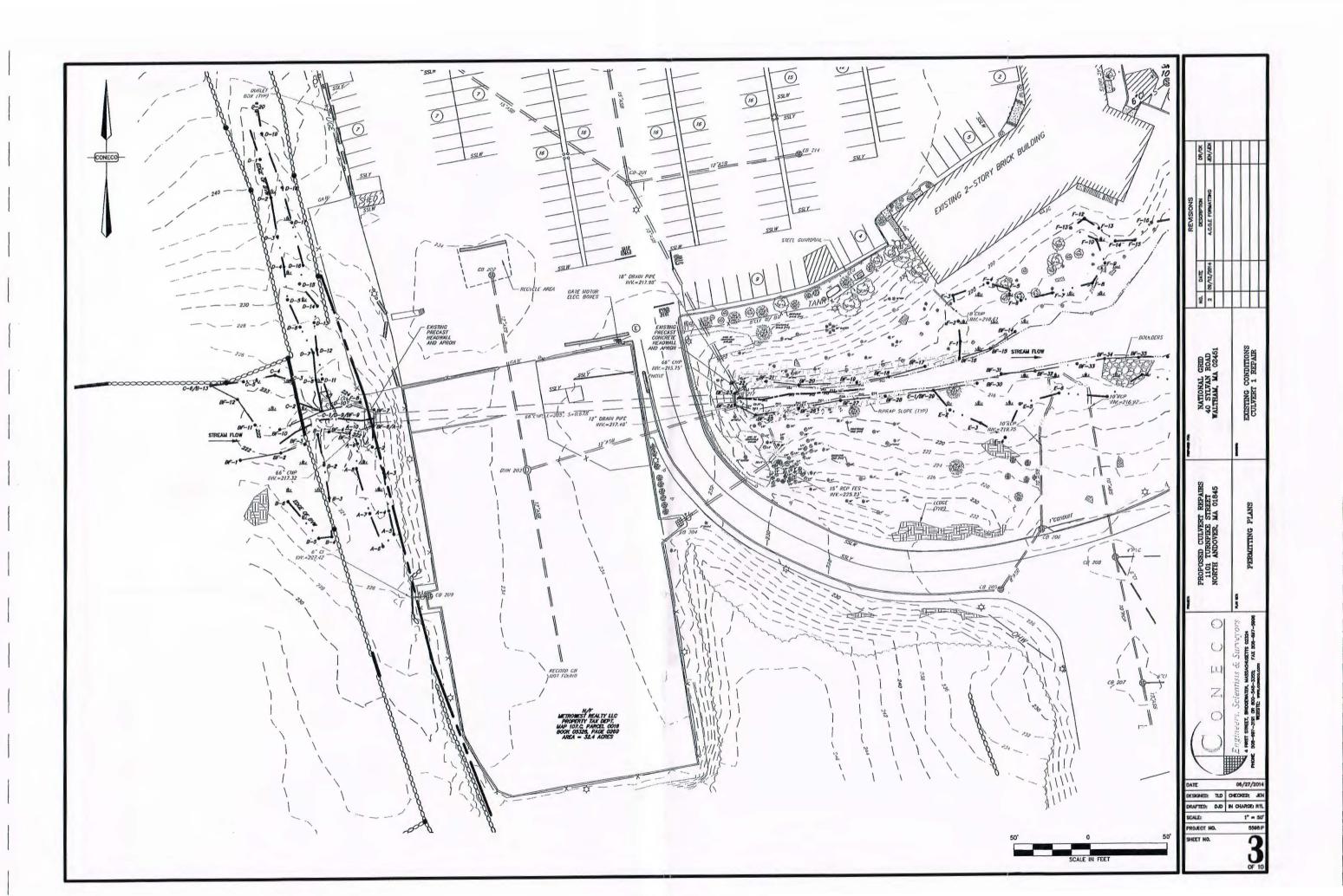
NATONAL GRID 40 SYLVAN ROAD WALTHAM, MA 02451

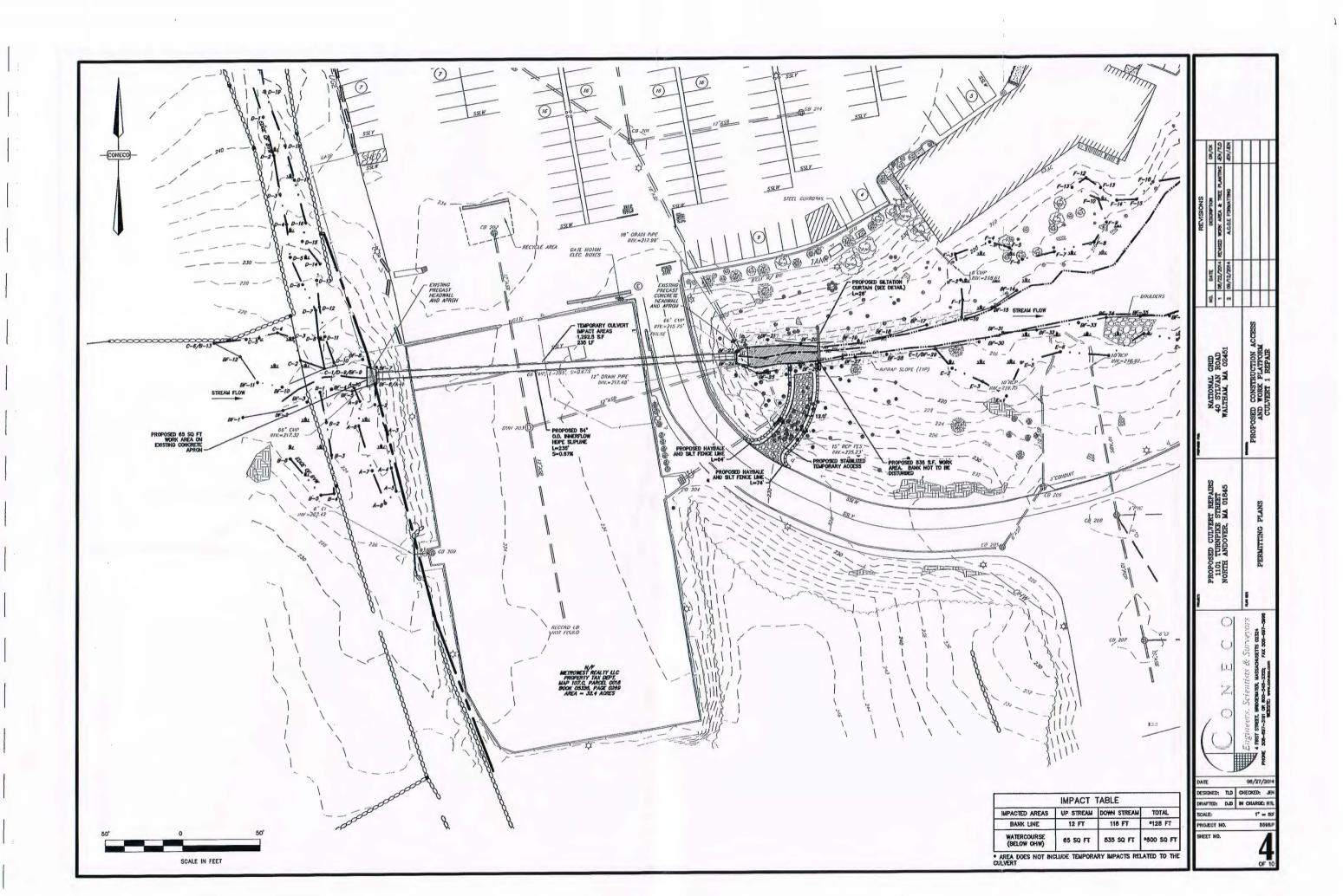
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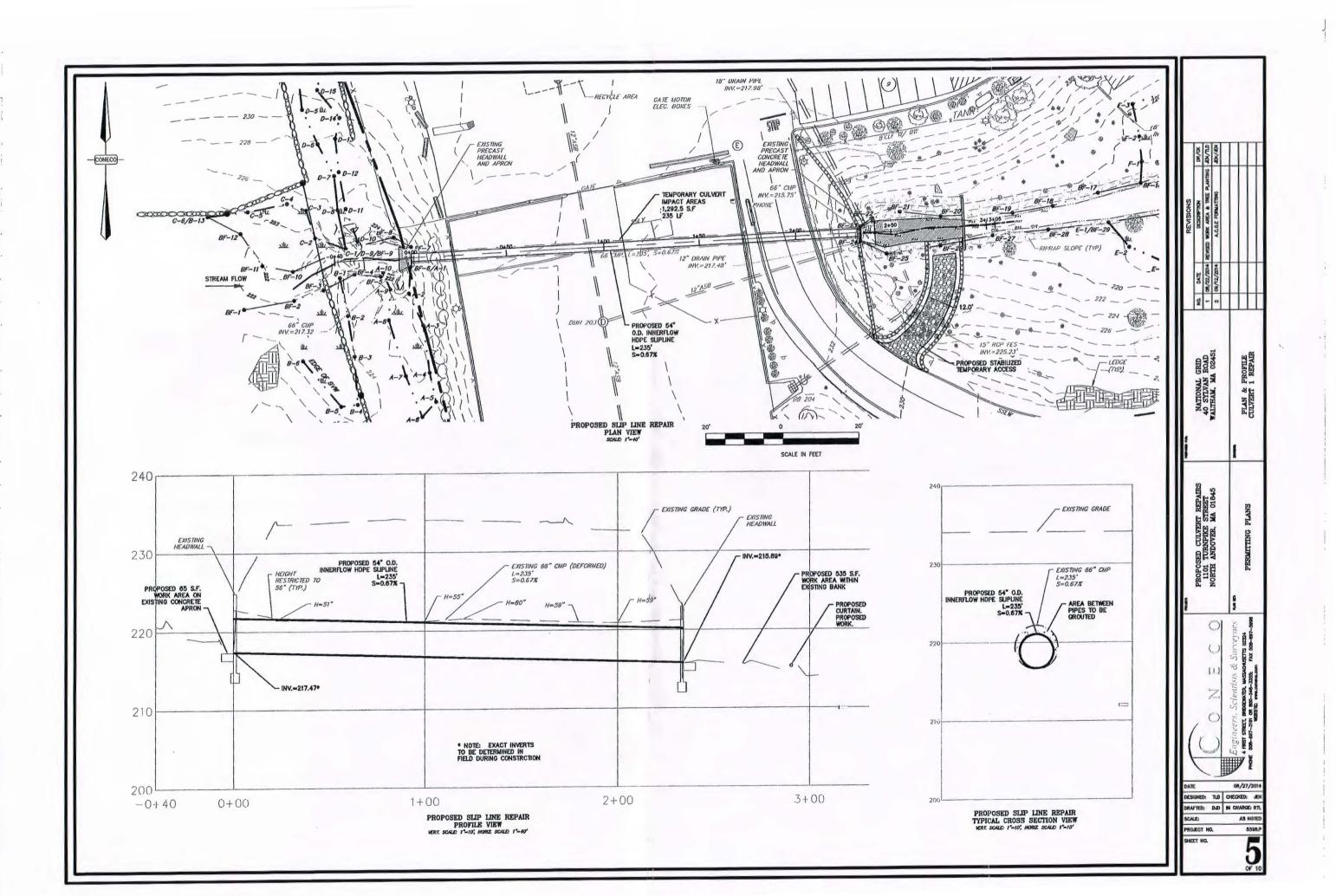
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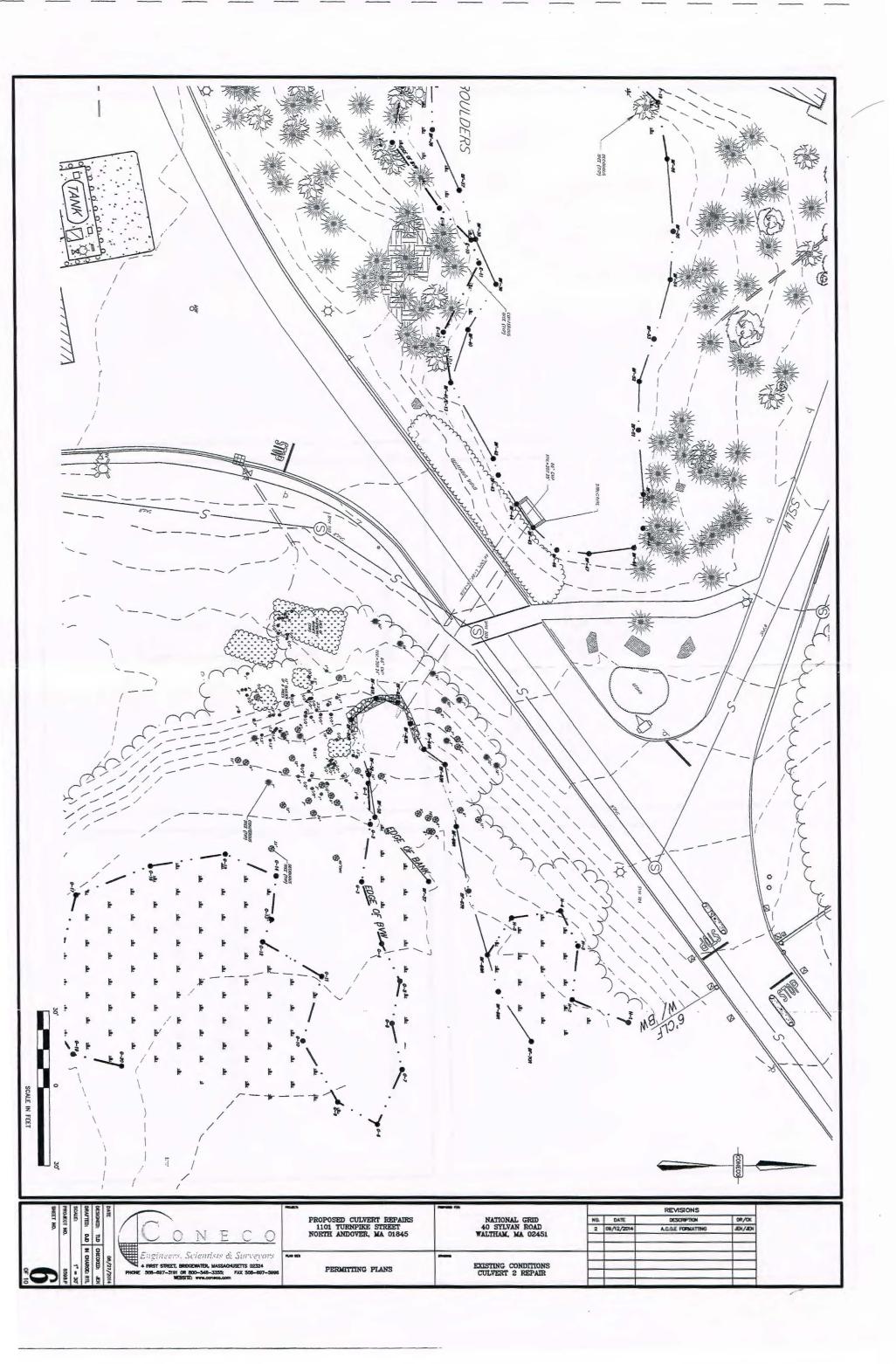
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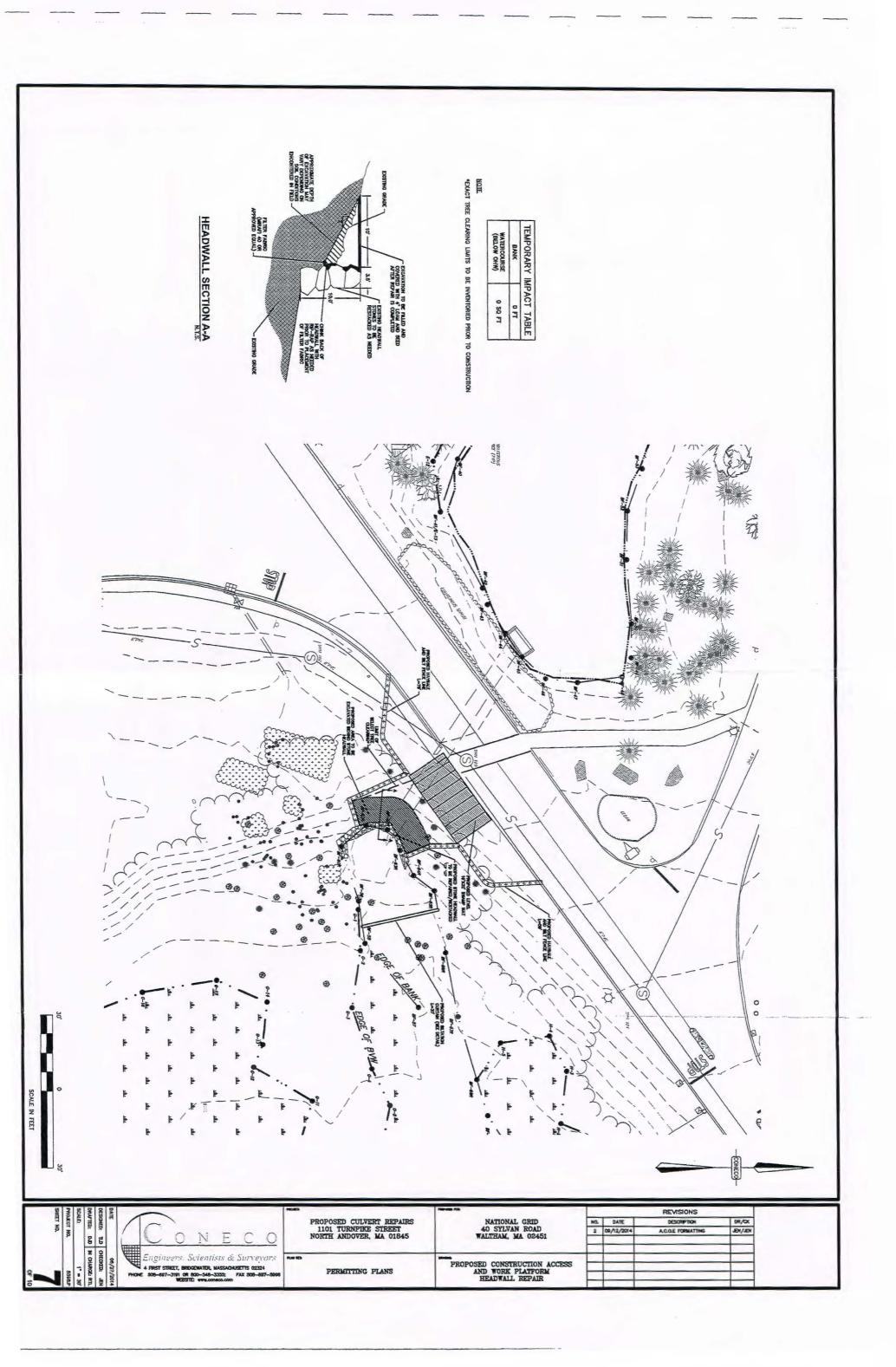
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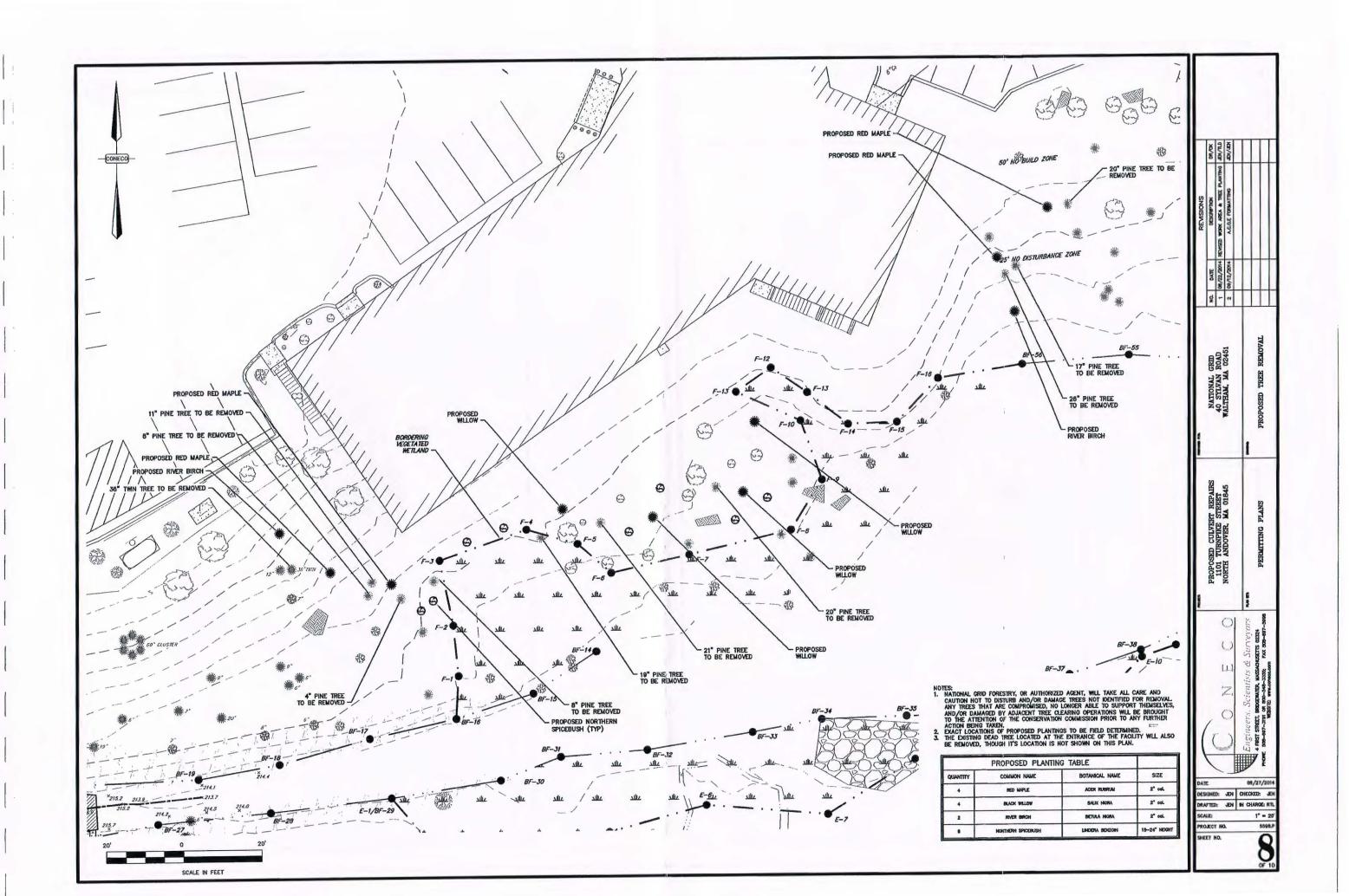


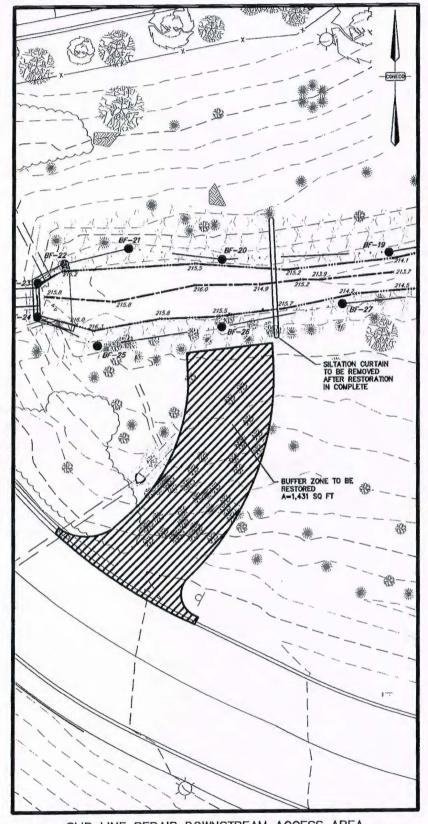




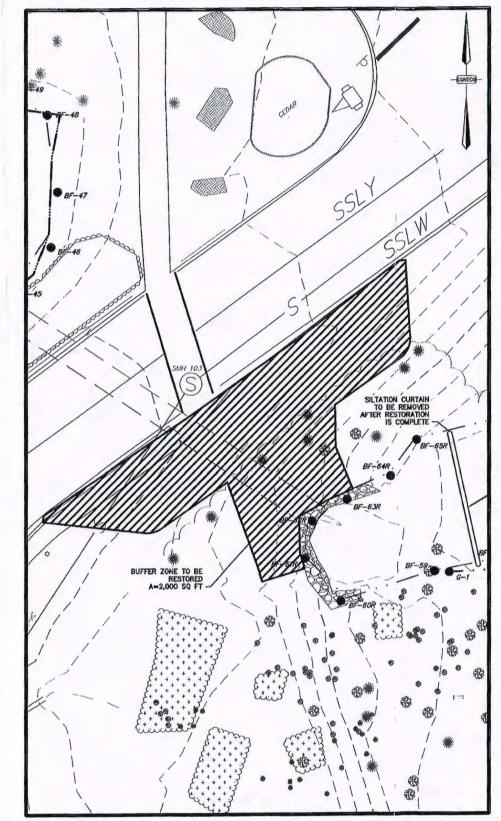








SLIP LINE REPAIR DOWNSTREAM ACCESS AREA



HEADWALL REPAIR

ALL RESTORATION OF WETLANDS, BUFFER ZONE AND STREAM BED SHALL BE IN ACCORDANCE WITH GUIDELINES SET FORTH IN NOTICE OF INTENT BY CONECO ENGINEERS AND SCIENTIST, INC. DATED JUNE 27, 2014



DESIGNED: TLD CHECKED: RTL DRAFTED: DAD IN CHARGE RTI

PROJECT NO.

WETLANDS TO BE RESTORED



