

Short Environmental Assessment Form

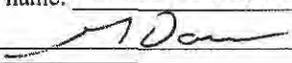
Part 1 - Project Information

Instructions for Completing

Part 1 - Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Part 1 - Project and Sponsor Information			
Suffolk County Department of Parks/Long Island Rail Road Company Second Track Project			
Name of Action or Project: Wetland Mitigation at Lakeland County Park -pursuant to NYSDEC Permit ID 1-4728-05130/00001 & USACE Permit NAN-2014-00215EYA			
Project Location (describe, and attach a location map): Compensatory Wetland Mitigation Areas 1 and 2 in Lakeland County Park. These areas are shown on Attachment B.			
Brief Description of Proposed Action: The action consists of the implementation of compensatory wetland mitigation at two locations within Lakeland County Park. Please refer to Attachment A for further details and Attachment B for locations.			
Name of Applicant or Sponsor: Robert W. Oggeri, P.E.		Telephone: 718 558-3626	
		E-Mail: roggeri@lirr.org	
Address: Long Island Rail Road Company 144-41 94th Ave., Mail Code 1913			
City/PO: Jamaica		State: NY	Zip Code: 11435
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.			NO <input type="checkbox"/>
			YES <input type="checkbox"/>
2. Does the proposed action require a permit, approval or funding from any other governmental Agency? If Yes, list agency(s) name and permit or approval: The compensatory wetland mitigation is required by NYSDEC & USACE permits issued to LIRR for the project (see Att. C).			NO <input type="checkbox"/>
			YES <input type="checkbox"/>
3.a. Total acreage of the site of the proposed action?		0.42 acres	
b. Total acreage to be physically disturbed?		0.42 acres	
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?		See Att. A acres	
4. Check all land uses that occur on, adjoining and near the proposed action.			
<input type="checkbox"/> Urban <input type="checkbox"/> Rural (non-agriculture) <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Residential (suburban)			
<input type="checkbox"/> Forest <input type="checkbox"/> Agriculture <input type="checkbox"/> Aquatic <input type="checkbox"/> Other (specify): _____			
<input checked="" type="checkbox"/> Parkland			

<p>18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)?</p> <p>If Yes, explain purpose and size: _____</p> <p>_____</p>	<p>NO</p> <p><input checked="" type="checkbox"/></p>	<p>YES</p> <p><input type="checkbox"/></p>
<p>19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility?</p> <p>If Yes, describe: _____</p> <p>_____</p>	<p>NO</p> <p><input checked="" type="checkbox"/></p>	<p>YES</p> <p><input type="checkbox"/></p>
<p>20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste?</p> <p>If Yes, describe: _____</p> <p>_____</p>	<p>NO</p> <p><input checked="" type="checkbox"/></p>	<p>YES</p> <p><input type="checkbox"/></p>
<p>I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE</p> <p>Applicant/sponsor name: <u>Commissioner Greg Dawson</u> Date: <u>3-16-15</u></p> <p>Signature: <u></u></p>		

Project:

Date:

Short Environmental Assessment Form
Part 2 - Impact Assessment

Part 2 is to be completed by the Lead Agency.

Answer all of the following questions in Part 2 using the information contained in Part 1 and other materials submitted by the project sponsor or otherwise available to the reviewer. When answering the questions the reviewer should be guided by the concept "Have my responses been reasonable considering the scale and context of the proposed action?"

	No, or small impact may occur	Moderate to large impact may occur
1. Will the proposed action create a material conflict with an adopted land use plan or zoning regulations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Will the proposed action result in a change in the use or intensity of use of land?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Will the proposed action impair the character or quality of the existing community?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Will the proposed action have an impact on the environmental characteristics that caused the establishment of a Critical Environmental Area (CEA)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Will the proposed action result in an adverse change in the existing level of traffic or affect existing infrastructure for mass transit, biking or walkway?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Will the proposed action cause an increase in the use of energy and it fails to incorporate reasonably available energy conservation or renewable energy opportunities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Will the proposed action impact existing:		
a. public / private water supplies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. public / private wastewater treatment utilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Will the proposed action impair the character or quality of important historic, archaeological, architectural or aesthetic resources?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Will the proposed action result in an adverse change to natural resources (e.g., wetlands, waterbodies, groundwater, air quality, flora and fauna)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Will the proposed action result in an increase in the potential for erosion, flooding or drainage problems?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Will the proposed action create a hazard to environmental resources or human health?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Project: _____
 Date: _____

**Short Environmental Assessment Form
 Part 3 Determination of Significance**

For every question in Part 2 that was answered "moderate to large impact may occur", or if there is a need to explain why a particular element of the proposed action may or will not result in a significant adverse environmental impact, please complete Part 3. Part 3 should, in sufficient detail, identify the impact, including any measures or design elements that have been included by the project sponsor to avoid or reduce impacts. Part 3 should also explain how the lead agency determined that the impact may or will not be significant. Each potential impact should be assessed considering its setting, probability of occurring, duration, irreversibility, geographic scope and magnitude. Also consider the potential for short-term, long-term and cumulative impacts.

Please see Attachment A for further details about the action.

<input type="checkbox"/>	Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action may result in one or more potentially large or significant adverse impacts and an environmental impact statement is required.
<input type="checkbox"/>	Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action will not result in any significant adverse environmental impacts.
<u>Sussex County Parks</u>	<u>3-16-15</u>
Name of Lead Agency	Date
<u>Gregory Dawson</u>	<u>Commissioner</u>
Print or Type Name of Responsible Officer in Lead Agency	Title of Responsible Officer
<u>[Signature]</u>	<u>[Signature]</u>
Signature of Responsible Officer in Lead Agency	Signature of Preparer (if different from Responsible Officer)

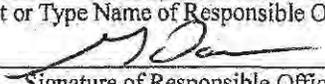
PRINT FORM

Project: _____
 Date: _____

**Short Environmental Assessment Form
 Part 3 Determination of Significance**

For every question in Part 2 that was answered "moderate to large impact may occur", or if there is a need to explain why a particular element of the proposed action may or will not result in a significant adverse environmental impact, please complete Part 3. Part 3 should, in sufficient detail, identify the impact, including any measures or design elements that have been included by the project sponsor to avoid or reduce impacts. Part 3 should also explain how the lead agency determined that the impact may or will not be significant. Each potential impact should be assessed considering its setting, probability of occurring, duration, irreversibility, geographic scope and magnitude. Also consider the potential for short-term, long-term and cumulative impacts.

Please see Attachment A for further details about the action.

<input type="checkbox"/> Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action may result in one or more potentially large or significant adverse impacts and an environmental impact statement is required.	
<input type="checkbox"/> Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action will not result in any significant adverse environmental impacts.	
<u>Sussex County Parks</u> Name of Lead Agency	<u>3-16-15</u> Date
<u>Gregory Dawson</u> Print or Type Name of Responsible Officer in Lead Agency	<u>Commissioner</u> Title of Responsible Officer
 Signature of Responsible Officer in Lead Agency	 <u>3/13/15</u> Signature of Preparer (if different from Responsible Officer)

LI RZ, DIRECTOR, MAINLINE 2ND TRACK

PRINT FORM

Attachment A: Project Description

Compensatory Wetland Mitigation Project at Lakeland County Park Pursuant to Freshwater Wetlands Permit issued by the New York State Department of Environmental Conservation Permit ID 1-4728-05130/00001 and the United States Army Corps of Engineers Permit NAN-2014-00215-EYA

Introduction

The Long Island Rail Road Company (“LIRR”) is currently constructing a continuous second track within a 17.9 mile segment of the Ronkonkoma Branch between the Farmingdale and Ronkonkoma LIRR train stations (the “Second Track Project” aka the “Double Track Project”) to help create jobs, protect the region’s economy and help ensure that Long Island’s transportation system can meet the needs of the future.

The Project will be constructed and operated entirely within the existing LIRR-owned Ronkonkoma Branch right-of-way (“ROW”). One segment of the Second Track Project is located in the LIRR ROW immediately south of, and adjacent to, Lakeland County Park, and requires certain work involving the installation of a culvert and retaining wall in the ROW which will result in the filling of a maximum of 0.1432 acres of freshwater wetlands (located entirely within the LIRR ROW). Pursuant to permits issued for this activity by the New York State Department of Environmental Conservation (“NYSDEC”) and United States Army Corps of Engineers (“USACE”), LIRR must provide 0.15 acres of compensatory freshwater wetland mitigation (the “Compensatory Wetland Mitigation”) to offset the filling of the wetlands in the ROW. As a result of discussions held between representatives of NYSDEC, USACE, LIRR, LIRR’s contractors, and the Suffolk County Department of Parks, Recreation and Conservation (the “Parks Department”), Lakeland Park was identified as the best location for the Compensatory Wetland Mitigation.

Following is a discussion of the applicability of, and environmental review conducted pursuant to the procedures of, the New York State Environmental Quality Review Act (“SEQRA”) to the Second Track Project and all related activities. In addition, details regarding the Compensatory Wetland Mitigation are presented and discussed.

LIRR Second Track Project

As a state “agency” within the meaning of SEQRA,¹ LIRR “actions” are subject to the environmental review requirements of SEQRA, except as otherwise specified by law. One statutory provision that exempts from SEQRA certain actions taken by LIRR, as a subsidiary of the Metropolitan Transportation Authority, is codified at Section 1266(11) of the New York Public

¹ New York Environmental Conservation Law (“ECL”) §§ 8-0101 to 8-0117, and the SEQRA regulations found at 6 N.Y.C.R.R. Part 617.

Authorities Law (“PAL”). By operation of Section 1266(11), SEQRA does not apply to a LIRR project, or any acts or activities in connection with such project, that is constructed on: (a) property previously used for a transportation purpose; or (b) an insubstantial and contiguous addition to property previously used for a transportation purpose; where the project in either case will not change the general character of the prior transportation use in a material way. This exemption also applies to LIRR activities that would otherwise be subject to the New York State Freshwater Wetlands Act codified at Article 24 of the ECL.²

Recognizing this exemption could apply to the Second Track project, in 2012, LIRR began gathering information from numerous sources - including land surveys, photographs, historic LIRR valuation mapping, Suffolk County Real Property Agency databases and mapping, aerial photographic records, and topographic surveys - relating to the existing and future use of the property on which the Second Track Project is being constructed, to determine whether the PAL exemption would apply. The culmination of these studies are presented in a “ROW Conditions Report” dated September 2013, which documents the extensive and longstanding development of the ROW to support LIRR’s operations.

At the same time, LIRR was aware of the obligation agencies have under SEQRA to begin the environmental review of a project “as early as possible in the formulation of a proposal for an action.” ECL Section 8-0109(4). Accordingly, while it was undertaking and preparing the ROW Conditions Report, LIRR initiated SEQRA procedures in 2012, by circulating a lead agency letter and Part 1 of a SEQRA Environmental Assessment Form to all involved agencies, including Suffolk County (copy attached as Attachment D). The lead agency letter identified the potential for PAL Section 1266(11) to apply to the Project. With no involved agencies objecting, LIRR began an environmental review of the Project and completed the Environmental Assessment Form, including a detailed supplemental report of the potential environmental impacts of the Project in each of the relevant areas of environmental concern (the “EA”). LIRR issued the EA for public comment in July 2013 and finalized it in September 2013 along with a response to comments received on the draft.

Based on the ROW Conditions Report, in 2013 LIRR determined that by its clear terms Section 1266(11) of the PAL applies to the Second Track Project and all acts and activities undertaken in connection with the Project, and that the Second Track Project and activities are exempt from SEQRA and Article 24 of the ECL. In addition, LIRR found that even if SEQRA were to be applicable to the Second Track Project, it will not have any significant adverse environmental impacts and an EIS was not required.

Copies of LIRR’s 2013 Determination regarding PAL Section 1266(11) Applicability and No Significant Adverse Environmental Impact, as well as the 2013 EA, can be found at the following weblink. <http://web.mta.info/lirr/doubletrack/environmentalassessment.htm>

² PAL Section 1266(11).

Compensatory Wetland Mitigation Details

As discussed above, the Second Track Project and all acts and activities undertaken in connection with the Project, by virtue of PAL Section 1266(11), are exempt from SEQRA and the New York State Freshwater Wetlands Act, ECL Article 24. Nevertheless, as part of the EA preparation, LIRR consulted with NYSDEC regarding wetland creation, restoration, and enhancement opportunities within the affected watershed, and elected to follow the procedures for freshwater wetlands permitting to ensure the Second Track Project will result in no significant impacts to these freshwater wetland resources. In addition, the Second Track Project was designed to limit permanent impacts to freshwater wetlands to less than 0.15 acres in LIRR's ROW, the federal acreage limits set by USACE for the applicable nationwide permit. Accordingly, LIRR obtained a NYSDEC freshwater wetland permit and a USACE nationwide permit for the Second Track Project. Copies of these permits are attached as Attachment C.

Both the NYSDEC permit and the USACE permit require the Compensatory Wetland Mitigation as permit conditions. While PAL Section 1266(11) exempts from SEQRA and freshwater wetland permitting all acts and activities taken in connection with the Second Track Project, which would include the Compensatory Wetland Mitigation required as part of the NYSDEC and USACE permits for the Second Track Project, Suffolk County has requested that LIRR prepare an environmental assessment form ("EAF") for the Compensatory Wetland Mitigation that will be implemented and maintained in Lakeland Park. Accordingly, notwithstanding the PAL Section 1266(11) exemption which covers the Second Track Project and all acts and activities undertaken in connection therewith, the sole focus of this EAF (including this Attachment A) prepared by LIRR is the Compensatory Wetland Mitigation that will be implemented and maintained in Lakeland Park by LIRR pursuant to NYSDEC freshwater wetlands permit ID 1-4728-05130/00001 and USACE permit NAN-2014-00215-EYA (together the "NYSDEC/ USACE Permits").

As required by the NYSDEC/USACE Permits, the Compensatory Wetland Mitigation consists of the implementation and maintenance of wetlands in two (2) separate areas of Lakeland Park in accordance with the approved mitigation plans attached to the NYSDEC/USACE Permits and as set forth in more detail in the "Technical Memorandum" prepared by Amy S. Greene, Environmental Consultants, Inc., dated September 26, 2014, along with its attachments revised as of October 29, 2014 (provided as Attachment E). As set forth with further details in the NYSDEC/USACE Permits, Technical Memorandum, and attached figures, the two Compensatory Wetland Mitigation areas are described below.

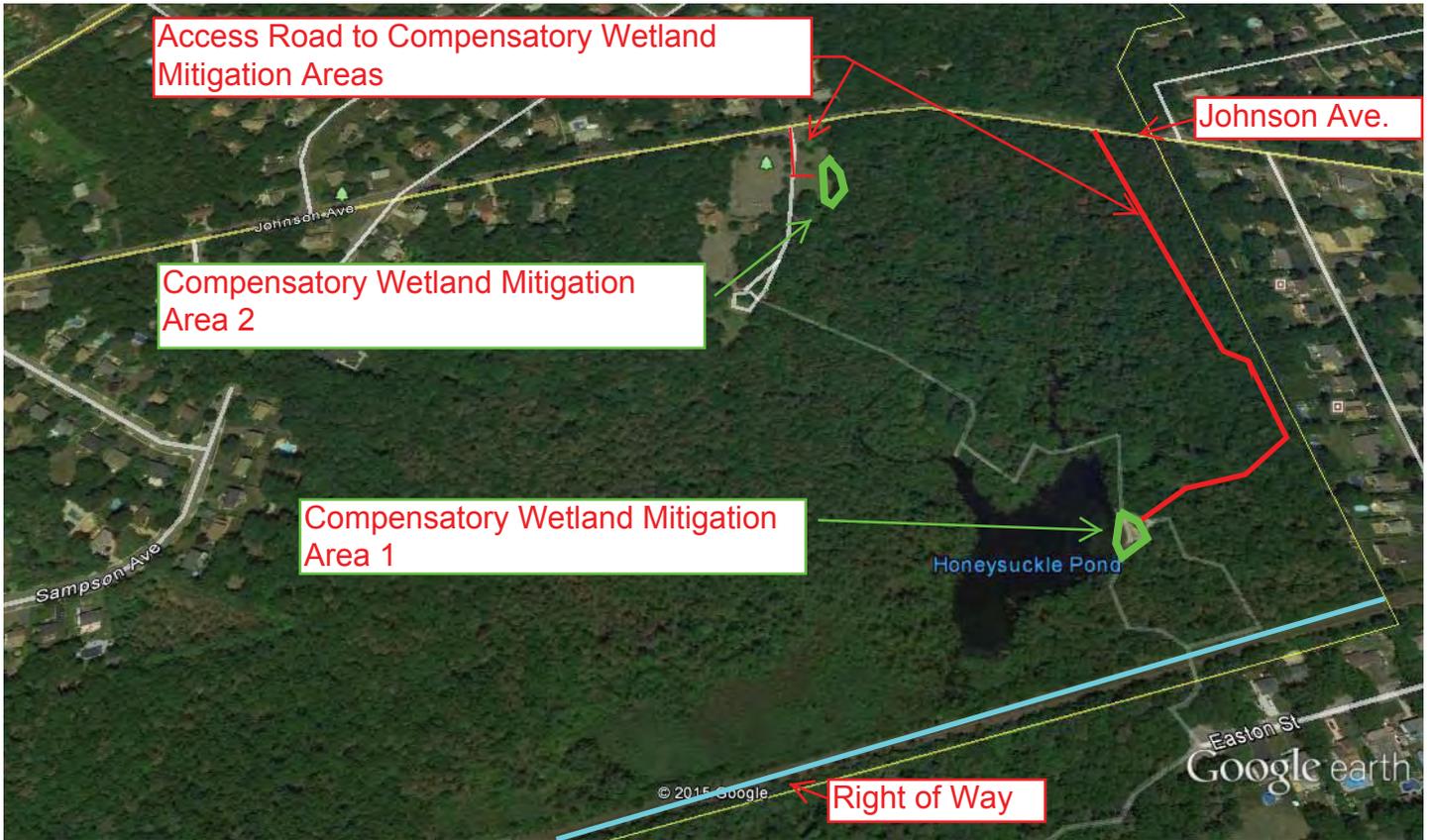
- Compensatory Wetland Mitigation Area 1 ("Area 1"). Area 1 currently consist of a "beach" area along Honeysuckle Pond that is approximately 0.16 acres in area and is currently devoid of vegetation as a result of human activity. This area will be replanted with native vegetation and a new raised boardwalk and pier will be built to prevent disturbance in the future. This

will result in the enhancement of approximately 0.05 acres of palustrine scrub-shrub wetlands, the enhancement of an adjacent area enhancement zone of approximately 0.09 acres, and the construction of a raised board walk of approximately 0.05 acres. Please see “Conceptual Wetland Mitigation Plan Mitigation Area 1” plan prepared by Amy S. Greene Environmental Consultants, dated 10/9/2014, attached to the NYSDEC/USACE permits, for further details.

- Compensatory Wetland Mitigation Area 2 (“Area 2”). Area 2 consists of a maintained lawn area near the Johnson Avenue Lakeland Park entrance that is adjacent to existing wetlands. This area will be transformed by creating 0.10 acres of palustrine scrub-shrub wetlands and enhancing an adjacent area enhancement zone of approximately 0.09 acres of wetlands. Invasive species will also be eradicated in approximately 0.04 acres adjacent to the wetland creation zone. Please see “Conceptual Wetland Mitigation Plan Mitigation Area 2” plan prepared by Amy S. Greene Environmental Consultants, dated 9/30/2014, attached to the NYSDEC/USACE permits, for further details.

As part of the Compensatory Wetland Mitigation, the existing unimproved roads in Lakeland Park that will be used to access Area 1 and Area 2 (the “access roads”) will be cleared as necessary and temporarily supported for use under the supervision of the Parks Department. Area 1, Area 2, and the access roads are shown in Attachment B. Collectively, the Compensatory Wetland Mitigation will result in the creation and enhancement of approximately 0.15 acres of wetlands, the enhancement of approximately 0.22 adjacent areas, and the construction of a 0.05 acre boardwalk. The Compensatory Wetlands Mitigation is expected to be completed within eight months of the execution of the access and mitigation implementation and maintenance agreement between LIRR and Suffolk County (the “Access Agreement”) and will be inspected and maintained by LIRR annually thereafter under the supervision of the Parks Departments. LIRR does not own or control the Compensatory Wetland Mitigation areas in Lakeland Park, but by virtue of the Access Agreement will have the ability to access and maintain Compensatory Wetland Mitigation Area 1 and Area 2.

Lakeland Park Compensatory Wetland Mitigation Areas



Google earth





PERMIT
Under the Environmental Conservation Law (ECL)

Permittee and Facility Information

Permit Issued To:

THE LONG ISLAND RAIL ROAD COMPANY

93-02 SUTPHIN BLVD

JAMAICA, NY 11435
(718) 558-7400

Facility:

MTA/LIRR PROPERTY - BOUNDARY OF
LAKELAND CO PARK & CONNEQUOT
RIVER ST PARK

1.5 MI CORRIDOR E OF VETS HWY|SCTM #
504-18-1-65 & 504-19-1-2
ISLANDIA, NY 11949

Facility Permit Contact:

ROBERT W OGGERI
LIRR

144-41 94TH AVE MC 1913
JAMAICA, NY 11435
(718) 558-3626

Facility Location: in ISLIP in SUFFOLK COUNTY

Facility Principal Reference Point: NYTM-E: 655.5 NYTM-N: 4518.2
Latitude: 40°48'00.3" Longitude: 73°09'23.9"

Project Location: North Side of LIRR Main Line on P/L Connetquot St Pk. & Suffolk Lakeland Pk.

Authorized Activity: Construct 1 mile of railroad track adjacent to the existing main line track to extend the double track service 12.6 miles from Farmingdale Station to Ronkonkoma Station. The 1 mile, DEC regulated section, is located in the NYS Connetquot River Wild, Scenic and Recreational River corridor and approximately 1000 linear feet is either in the freshwater wetland or its adjacent area. Construct a culvert extension and a modular retaining wall to support the slope to the track grade, filling approximately .14 acres of freshwater wetland. The loss of wetland shall be mitigated in both the wetland and the adjacent area in accordance with the revised mitigation plans prepared by Amy S. Greene, Environmental Consultants, Inc., dated 10/29/14 (sheet 1) & 9/30/14 (sheet 2). All other regulated activity must be done in accordance with the plans contained in the Environmental Assessment (dated July 2014) prepared by Parsons Brinckerhoff, "New Main Line Ronkonkoma Branch 2nd Track Phase 1", Attachment D, Project Plans (Figures 1A, 1B, 1C, 2A, 2B, 2C & 3). All approved mitigation & project plans (two sheets and seven figures) have been stamped "NYSDEC Approved" 1/2/15.

Permit Authorizations

Water Quality Certification - Under Section 401 - Clean Water Act

Permit ID 1-4728-05130/00001

New Permit

Effective Date: 1/7/2015

Expiration Date: 1/6/2020



NYSDEC Approval

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, and all conditions included as part of this permit.

Permit Administrator: ROGER EVANS, Regional Permit Administrator
Address: NYSDEC REGION 1 HEADQUARTERS
SUNY @ STONY BROOK|50 CIRCLE RD
STONY BROOK, NY 11790 -3409

Authorized Signature: Roger Evans

Date 11/7/2015

Distribution List

ROBERT W OGGERI
Habitat

Permit Components

- NATURAL RESOURCE PERMIT CONDITIONS
- WATER QUALITY CERTIFICATION SPECIFIC CONDITION
- GENERAL CONDITIONS, APPLY TO ALL AUTHORIZED PERMITS
- NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

NATURAL RESOURCE PERMIT CONDITIONS - Apply to the Following Permits: WATER QUALITY CERTIFICATION

1. State May Order Removal or Alteration of Work If future operations by the State of New York require an alteration in the position of the structure or work herein authorized, or if, in the opinion of the Department of Environmental Conservation it shall cause unreasonable obstruction to the free navigation of said waters or flood flows or endanger the health, safety or welfare of the people of the State, or cause loss or destruction of the natural resources of the State, the owner may be ordered by the Department to remove or alter the structural work, obstructions, or hazards caused thereby without expense to the State, and if, upon the expiration or revocation of this permit, the structure, fill, excavation, or other modification of the watercourse hereby authorized shall not be completed, the owners, shall, without expense to the State, and to such extent and in such time and manner as the Department of Environmental Conservation may require, remove all or any portion of the uncompleted structure or fill and restore to its former condition the navigable and flood capacity of the watercourse. No claim shall be made against the State of New York on account of any such removal or alteration.



2. Additional Clearing Restrictions Within the wetland creation / mitigation work areas, no native woody vegetation may be cut or removed, except as needed for the re-contouring. Non-native woody vegetation within those work limits may be removed by cutting, hand bulling or excavating the roots or stumps. The use of pesticides is prohibited without modification to this permit.

3. No Creosote Rail Ties Within the wetland or the 100 foot adjacent area rail ties shall be of a material not treated with creosote. Non treated lumber, CCA or ACQ treated lumber, concrete or steel rail ties are acceptable. Other materials may also be acceptable. Any future replacement of any existing rail ties must be of a material not treated with creosote.

4. Post Permit Sign The permit sign enclosed with this permit shall be posted in a conspicuous location on the worksite and adequately protected from the weather.

5. Notice of Commencement At least 48 hours prior to commencement of the project, the permittee and contractor shall sign and return the top portion of the enclosed notification form certifying that they are fully aware of and understand all terms and conditions of this permit. Within 30 days of completion of project, the bottom portion of the form must also be signed and returned, along with photographs of the completed work.

6. Temporary Mulch, Final Seeding If seeding is impracticable due to the time of year, a temporary mulch shall be applied and final seeding shall be performed at the earliest opportunity when weather conditions favor germination and growth but not more than six months after project completion.

7. Seed, Mulch Disturbed Areas All areas of soil disturbance resulting from this project shall be seeded with an appropriate perennial grass, and mulched with straw immediately upon completion of the project, within two days of final grading, or by the expiration of the permit, whichever is first.

8. Equipment Storage 100' from Wetland, Water Body All equipment and machinery shall be stored and safely contained greater than 100 feet landward of the regulated wetland or water body at the end of each work day. This will serve to avoid the inadvertent leakage of deleterious substances into the regulated area.

9. Clean Fill Only All fill shall consist of clean soil, sand and/or gravel that is free of the following substances: asphalt, slag, flyash, broken concrete, demolition debris, garbage, household refuse, tires, woody materials including tree or landscape debris, and metal objects. The introduction of materials toxic to aquatic life is expressly prohibited.

10. Wood Debris and Wash Water All treated wood must be aged in the open air for at least three months prior to in-water use. Wood with surface deposits must be washed for at least 5 minutes under running water prior to use. This washing must occur more than 100 feet from a wetland or waterbody. Wash water and any wood debris, such as sawdust, must not enter any wetland or waterbody.



11. Use Pressure Treated Wood Where treated wood lumber is to be used in the construction of in-water structures, only pressure treated wood with a preservative and treatment process approved (stamped or otherwise marked as certified) by the American Wood Preservative Association can be used. Wood treated with CCA (Chromated Copper Arsenate) or ACQ (Alkaline Copper Quat) can be used in all aquatic environments. Wood treated with Pentachlorophenol can only be used in freshwater applications.

12. Additional Boardwalk Installation Requirements Final alignment for the board walk must be along the existing pathway from the end of the existing boardwalk to the southern wetland creation location. Woody vegetation within the footprint and one foot on either side of the footprint may be removed for installation. Other woody vegetation outside of that one foot limit may be limbed up as needed for clear passage along the boardwalk. No erosion control is required for the upland portion of the installation as long as excavated soil for the installation of the posts is removed to a location greater than 100 feet from any wetland.

13. Additional Silt Screen Required Silt screen erosion control shall be installed as needed down slope of any areas of ground disturbance within the wetland creation / mitigation work areas. No soil shall enter the existing wetlands from the wetland creation / mitigation work areas.

14. Additional In Water Erosion Control Required A silt screen weighted across the bottom and suspended above the water surface shall be positioned, from shore to shore, within Connetquot Brook downstream of the culvert installation. An additional silt screen weighted across the bottom and suspended above the water surface shall be positioned, from shore to shore west of the boardwalk fishing pier installation. No turbidity is permitted beyond the silt screen.

15. Maintain Silt Screen The screen shall be maintained, repaired and replaced as often as necessary to ensure proper function, until all disturbed areas are permanently vegetated. Sediments trapped by the screen shall be removed to an approved upland location before the screen is removed.

16. Silt Screen to Be Recessed Silt screen shall be recessed six inches into the ground.

17. Silt Screen Prior to commencement of any construction activities, a continuous line of silt screen (maximum opening size of U.S. Sieve #20) shall be staked all along clearing limits described above for track the installation.

18. Materials Disposed at Upland Site Any demolition debris, excess construction materials, and/or excess excavated materials shall be immediately and completely disposed of on an approved upland site more than 100 feet from any regulated freshwater wetland. These materials shall be suitably stabilized so as not to re-enter any water body, wetland, or wetland adjacent area.

19. Work Area Limits Any work, disturbance, and or storage of construction materials shall be confined to within the limit of clearing and ground disturbance as described above.



20. Clearing Limit For The Wetland Creation The limit of clearing, grading and ground disturbance is equal to the project area boundary shown in red on both the south (Area 1) and north (Area 2) wetland creation \ mitigation plans.

21. Clearing Limit For The Boardwalk Installation The limit of clearing, grading and ground disturbance is limited to one foot on either side of the proposed boardwalk aligned along the existing pathway, and 10 feet on either side of the proposed boardwalk where it is over water.

22. Clearing Limit For The Track Installation The limit of clearing, grading and ground disturbance on the south side of the existing tracks is equal to the toe of the slope of the ballast. The limit of clearing, grading and ground disturbance on the north side of the existing tracks is equal to the northern edge of the line labeled "Area Of Approximate Temporary Wetland Disturbance."

23. State May Require Site Restoration If upon the expiration or revocation of this permit, the project hereby authorized has not been completed, the applicant shall, without expense to the State, and to such extent and in such time and manner as the Department of Environmental Conservation may lawfully require, remove all or any portion of the uncompleted structure or fill and restore the site to its former condition. No claim shall be made against the State of New York on account of any such removal or alteration.

24. Precautions Against Contamination of Waters All necessary precautions shall be taken to preclude contamination of any wetland or waterway by suspended solids, sediments, fuels, solvents, lubricants, epoxy coatings, paints, concrete, leachate or any other environmentally deleterious materials associated with the project.

25. Conformance With Plans All activities authorized by this permit must be in strict conformance with the approved plans submitted by the applicant or applicant's agent as part of the permit application. Such approved plans were prepared by Amy S. Greene, Environmental Consultants, Inc., dated 10/29/14 (sheet 1) & 9/30/14 (sheet 2) & the plans in Attachment D of the EA (dated July 2014) prepared by Parsons Brinckerhoff, Figs. 1A 1B 1C 2A 2B 2C & 3, all stamped NYSDEC Approved 1/2/15. .

26. State Not Liable for Damage The State of New York shall in no case be liable for any damage or injury to the structure or work herein authorized which may be caused by or result from future operations undertaken by the State for the conservation or improvement of navigation, or for other purposes, and no claim or right to compensation shall accrue from any such damage.



WATER QUALITY CERTIFICATION SPECIFIC CONDITIONS

1. Water Quality Certification The NYS Department of Environmental Conservation hereby certifies that the subject project will not contravene effluent limitations or other limitations or standards under Sections 301, 302, 303, 306 and 307 of the Clean Water Act of 1977 (PL 95-217) provided that all of the conditions listed herein are met.

GENERAL CONDITIONS - Apply to ALL Authorized Permits:

1. Facility Inspection by The Department The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71- 0301 and SAPA 401(3).

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

2. Relationship of this Permit to Other Department Orders and Determinations Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

3. Applications For Permit Renewals, Modifications or Transfers The permittee must submit a separate written application to the Department for permit renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing. Submission of applications for permit renewal, modification or transfer are to be submitted to:

Regional Permit Administrator
NYSDEC REGION 1 HEADQUARTERS
SUNY @ STONY BROOK|50 CIRCLE RD
STONY BROOK, NY11790 -3409

4. Submission of Renewal Application The permittee must submit a renewal application at least 30 days before permit expiration for the following permit authorizations: Water Quality Certification.



5. Permit Modifications, Suspensions and Revocations by the Department The Department reserves the right to exercise all available authority to modify, suspend or revoke this permit. The grounds for modification, suspension or revocation include:

- a. materially false or inaccurate statements in the permit application or supporting papers;
- b. failure by the permittee to comply with any terms or conditions of the permit;
- c. exceeding the scope of the project as described in the permit application;
- d. newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e. noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

6. Permit Transfer Permits are transferrable unless specifically prohibited by statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.



NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee, excepting state or federal agencies, expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under Article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

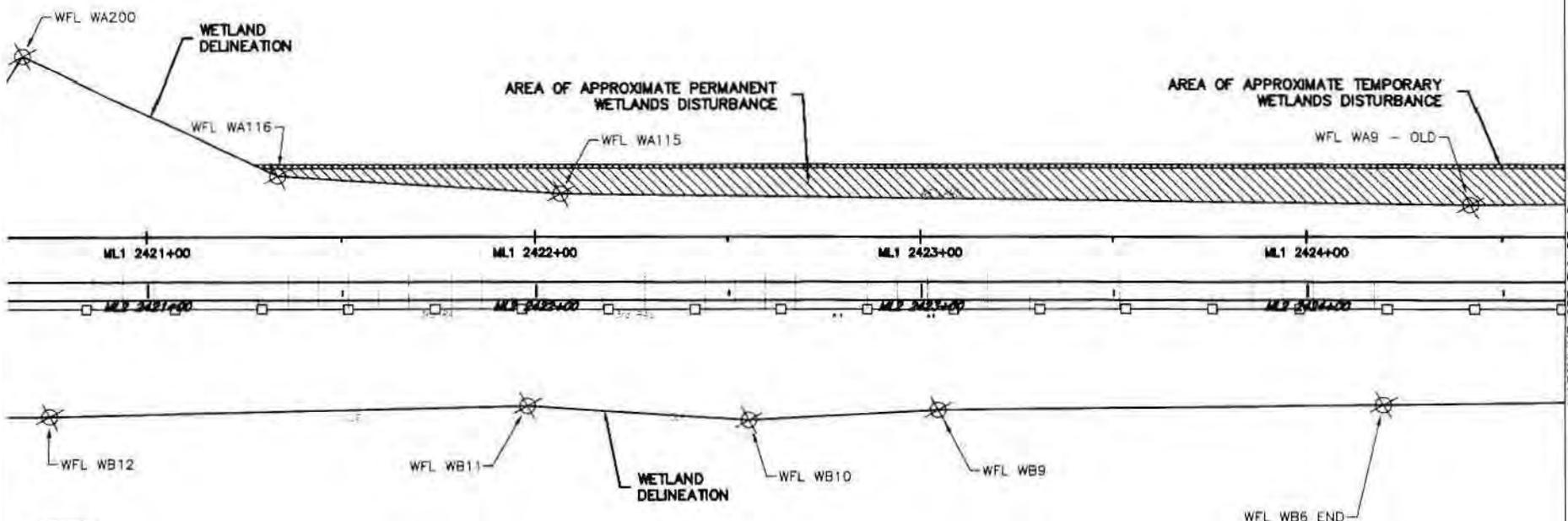
The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

ATTACHMENT D
Project Plans

NYS DEC
APPROVED AS PER TERMS
AND CONDITIONS OF
PERMIT NO. 1-4728-05134/0001
DATE 1/2/15 RA

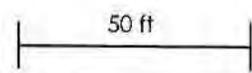


LEGEND

- AREA OF APPROXIMATE TEMPORARY WETLANDS DISTURBANCE
- AREA OF APPROXIMATE PERMANENT WETLANDS DISTURBANCE

TOTAL PROJECT DISTURBANCE	
PERMANENT WETLAND DISTURBANCE	0.1432 ACRES (8236 SF)
TEMPORARY WETLAND DISTURBANCE	0.0192 ACRES (836 SF)
PERMANENT VOLUME OF FILL WETLAND DISTURBANCE	51,750 CF (1910 CY)
TEMPORARY VOLUME OF CUT WETLAND DISTURBANCE	3344 CF (123.9 CY)
PERMANENT VOLUME OF CUT WETLAND DISTURBANCE	17,820 CF (660 CY)

NYSDEC
 APPROVED AS PER TERMS
 AND CONDITIONS OF
 PERMIT NO. 1-4728-05130/00001
 DATE 1/2/15 pa



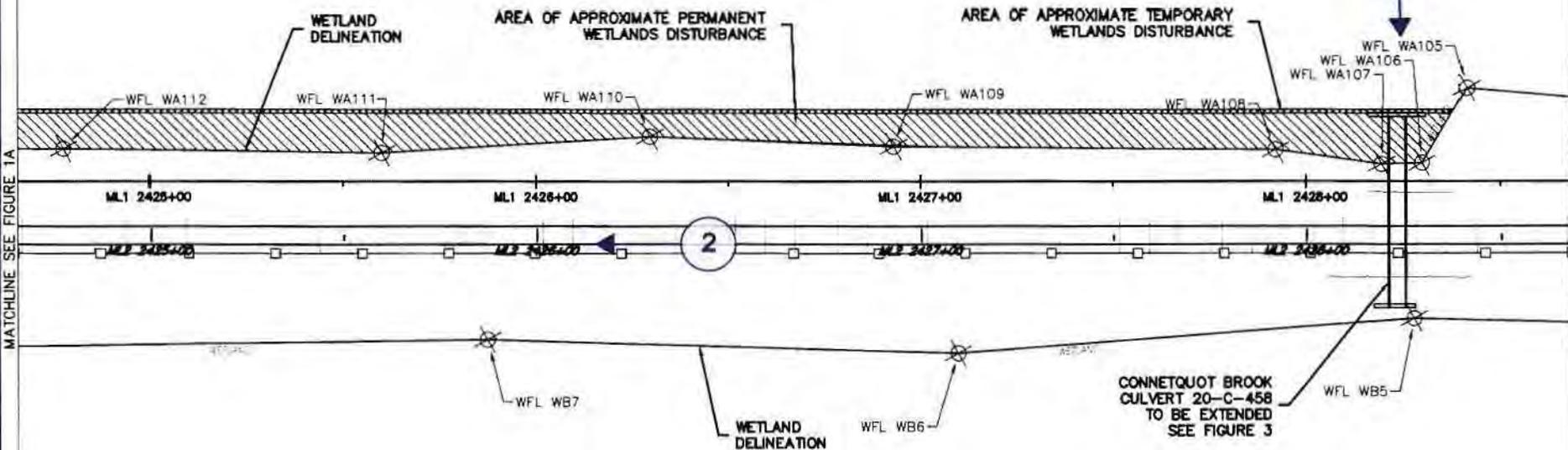
NYSDEC/USACE Joint Application
 LIRR Second Track Project

FIGURE 1A
 AREA OF WETLAND DISTURBANCE



3
Aerial View

4



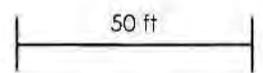
LEGEND

- AREA OF APPROXIMATE TEMPORARY WETLANDS DISTURBANCE
- AREA OF APPROXIMATE PERMANENT WETLANDS DISTURBANCE

TOTAL PROJECT DISTURBANCE	
PERMANENT WETLAND DISTURBANCE	0.1432 ACRES (6236 SF)
TEMPORARY WETLAND DISTURBANCE	0.0192 ACRES (836 SF)
PERMANENT VOLUME OF FILL WETLAND DISTURBANCE	51,750 CF (1910 CY)
TEMPORARY VOLUME OF CUT WETLAND DISTURBANCE	3344 CF (123.9 CY)
PERMANENT VOLUME OF CUT WETLAND DISTURBANCE	17,820 CF (660 CY)

NYSDEC
 APPROVED AS PER TERMS
 AND CONDITIONS OF
 PERMIT NO. 1-4728-05730/0001
 DATE 1/2/15 AR

2 → Photograph Directions (refer to Attachment C)

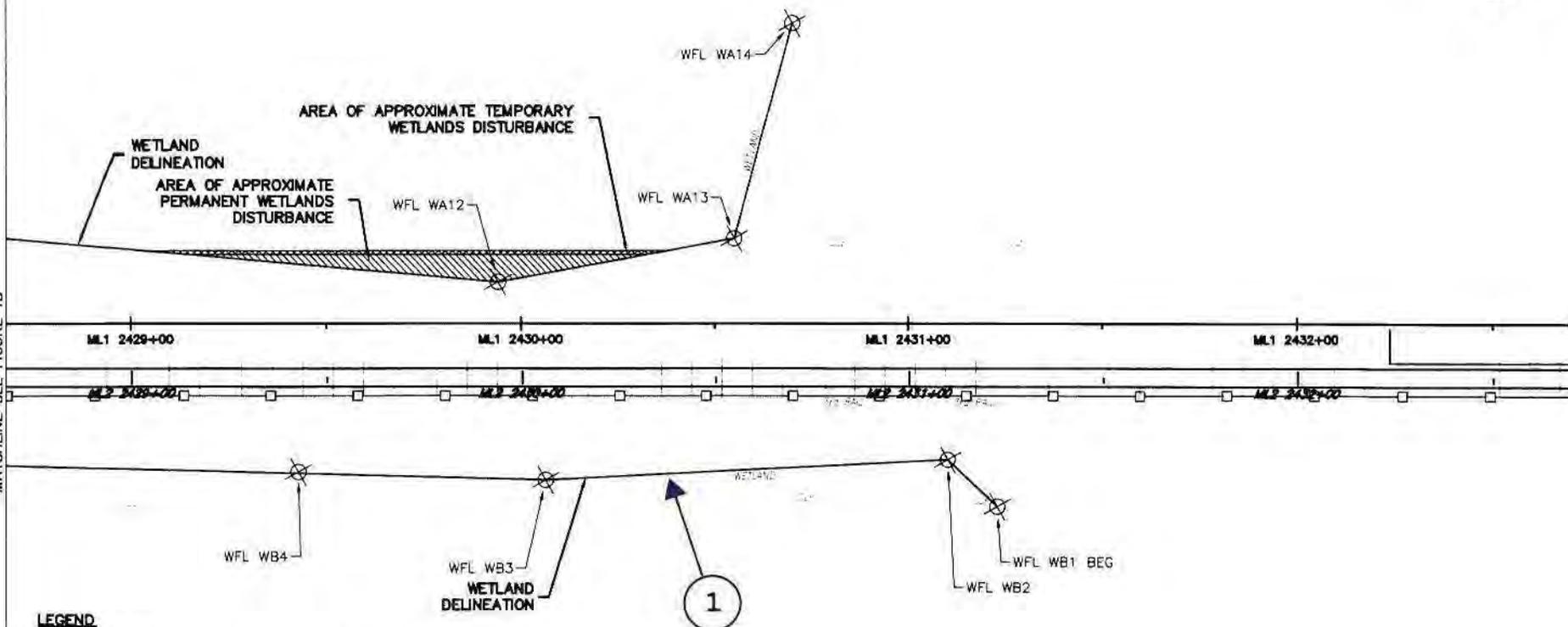


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LIRR Second Track Project

FIGURE 1B
AREA OF WETLAND DISTURBANCE



MATCHLINE SEE FIGURE 1B



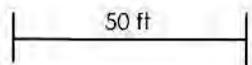
LEGEND

- AREA OF APPROXIMATE TEMPORARY WETLANDS DISTURBANCE
- AREA OF APPROXIMATE PERMANENT WETLANDS DISTURBANCE

TOTAL PROJECT DISTURBANCE	
PERMANENT WETLAND DISTURBANCE	0.1432 ACRES (6236 SF)
TEMPORARY WETLAND DISTURBANCE	0.0192 ACRES (836 SF)
PERMANENT VOLUME OF FILL WETLAND DISTURBANCE	51,750 CF (1910 CY)
TEMPORARY VOLUME OF CUT WETLAND DISTURBANCE	3344 CF (123.9 CY)
PERMANENT VOLUME OF CUT WETLAND DISTURBANCE	17,820 CF (660 CY)

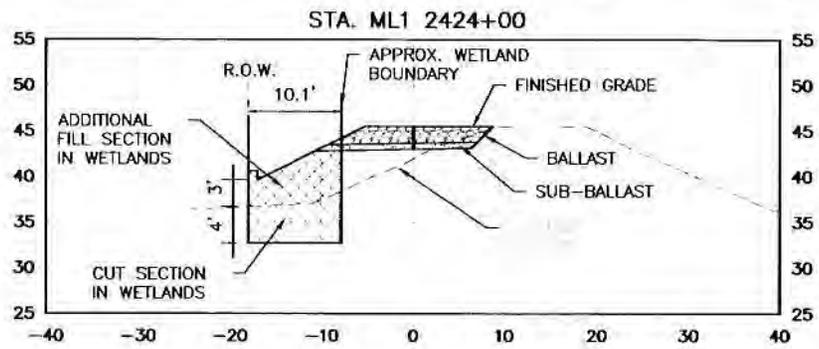
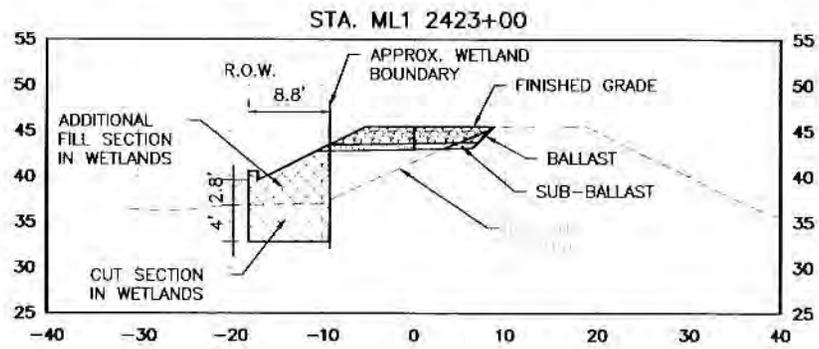
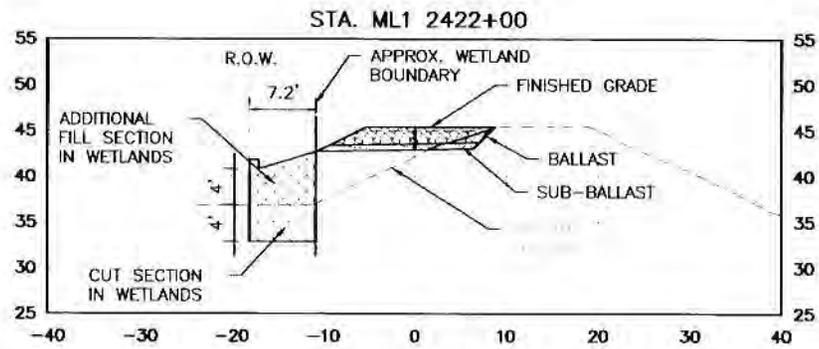
NYSDEC
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 AND CONDITIONS OF
 PERMIT NO. 1-4730-05130/00001
 DATE 1/2/15

① → Photograph Directions (refer to Attachment C)

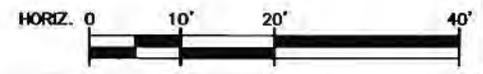


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 LIRR Second Track Project

FIGURE 1C
 AREA OF WETLAND DISTURBANCE

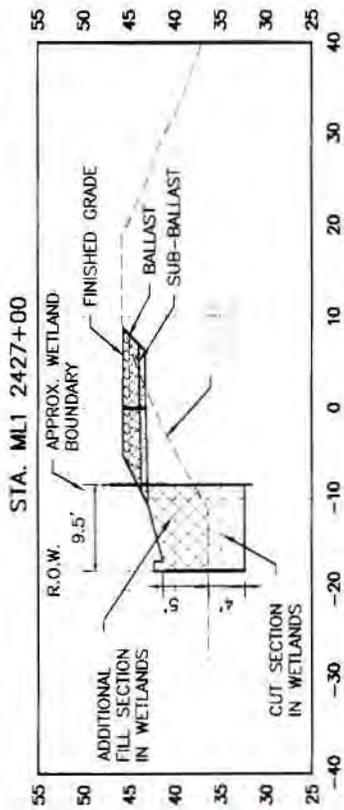
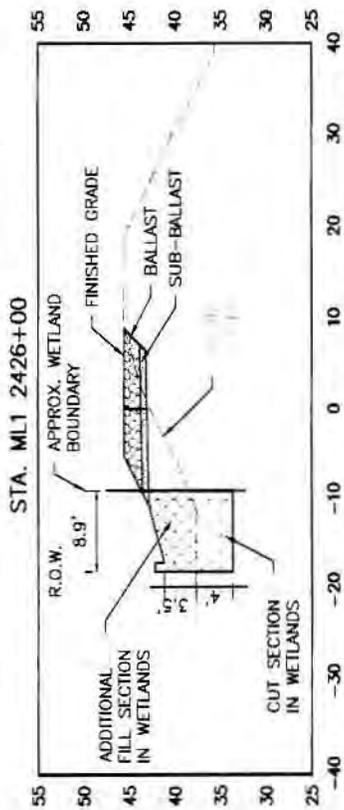
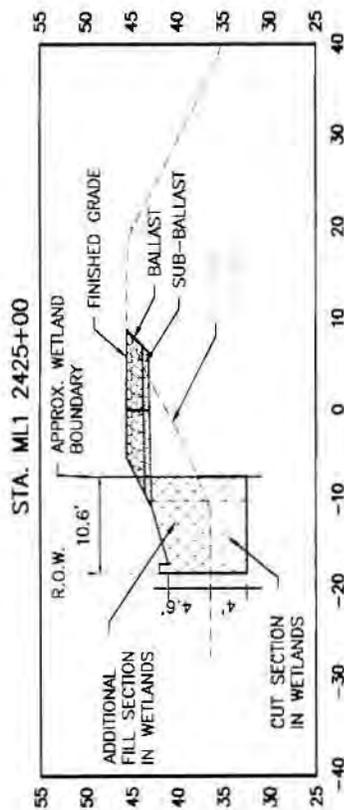


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 AND CONDITIONS OF
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NYSDEC/USACE Joint Application
 LIRR Second Track Project

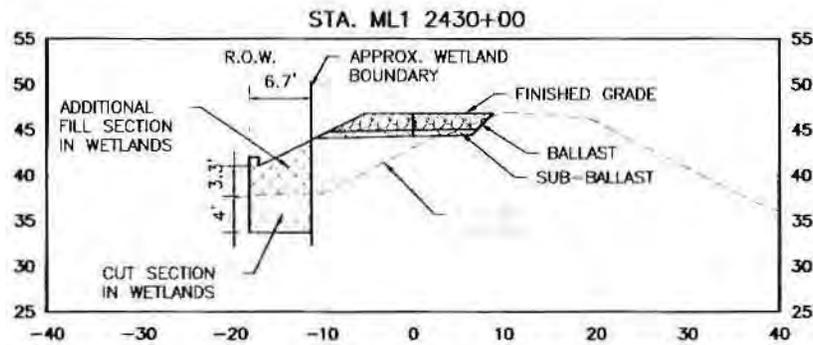
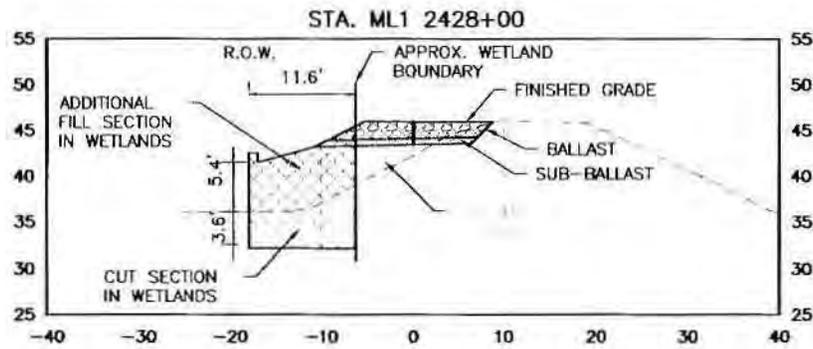
FIGURE 2A SECTIONS
 OF WETLAND CUT & FILL



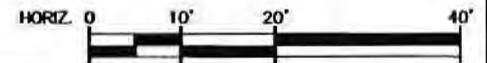
NYSDEC
 APPROVED AS PER TERMS
 AND CONDITIONS OF
 PERMIT NO. 1-4766-05134(a)(1)
 DATE 1/2/15 *PL*

FIGURE 2B SECTIONS
 OF WETLAND CUT & FILL

NYSDEC/USACE Joint Application
 LIRR Second Track Project

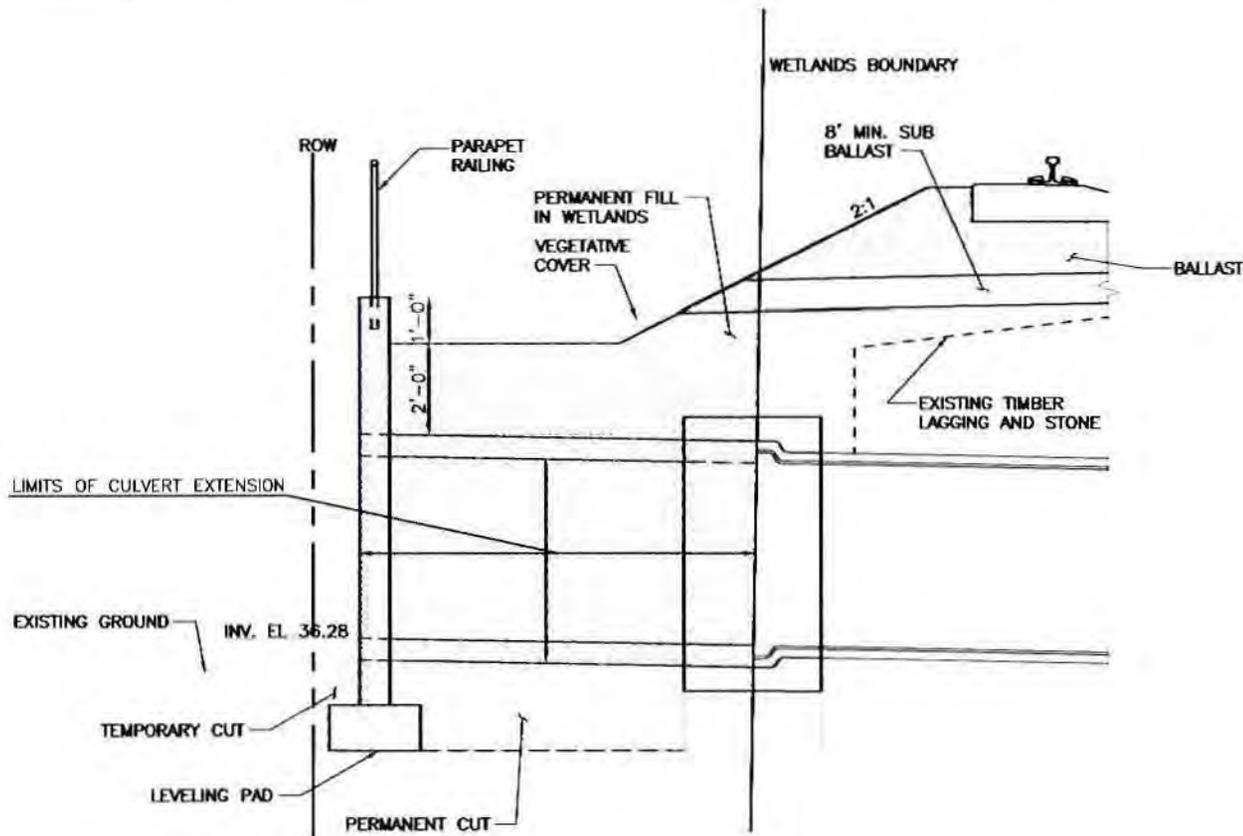


NYSDEC
 APPROVED AS PER TERMS
 AND CONDITIONS OF
 PERMIT NO. 1-4728-0530/0001
 DATE 1/2/15 AR



NYSDEC/USACE Joint Application
 LIRR Second Track Project

FIGURE 2C SECTIONS
 OF WETLAND CUT & FILL



LEGEND

- AREA OF PERMANENT FILL
- AREA OF PERMANENT CUT
- AREA OF TEMPORARY CUT

TOTAL CULVERT IMPACT

- PERMANENT DISTURBANCE
- TEMPORARY DISTURBANCE
- PERMANENT VOLUME OF FILL WETLAND DISTURBANCE
- PERMANENT VOLUME OF CUT WETLAND DISTURBANCE
- TEMPORARY VOLUME OF CUT WETLAND DISTURBANCE

**CULVERT SECTION AT
STA. 2428+23**

- 0.0016 ACRES (70 SF)
- 0.0002 ACRES (8 SF)
- 765 CF (28 CY)
- 155 CF (6 CY)
- 64 CF (2CY)

NOTE:

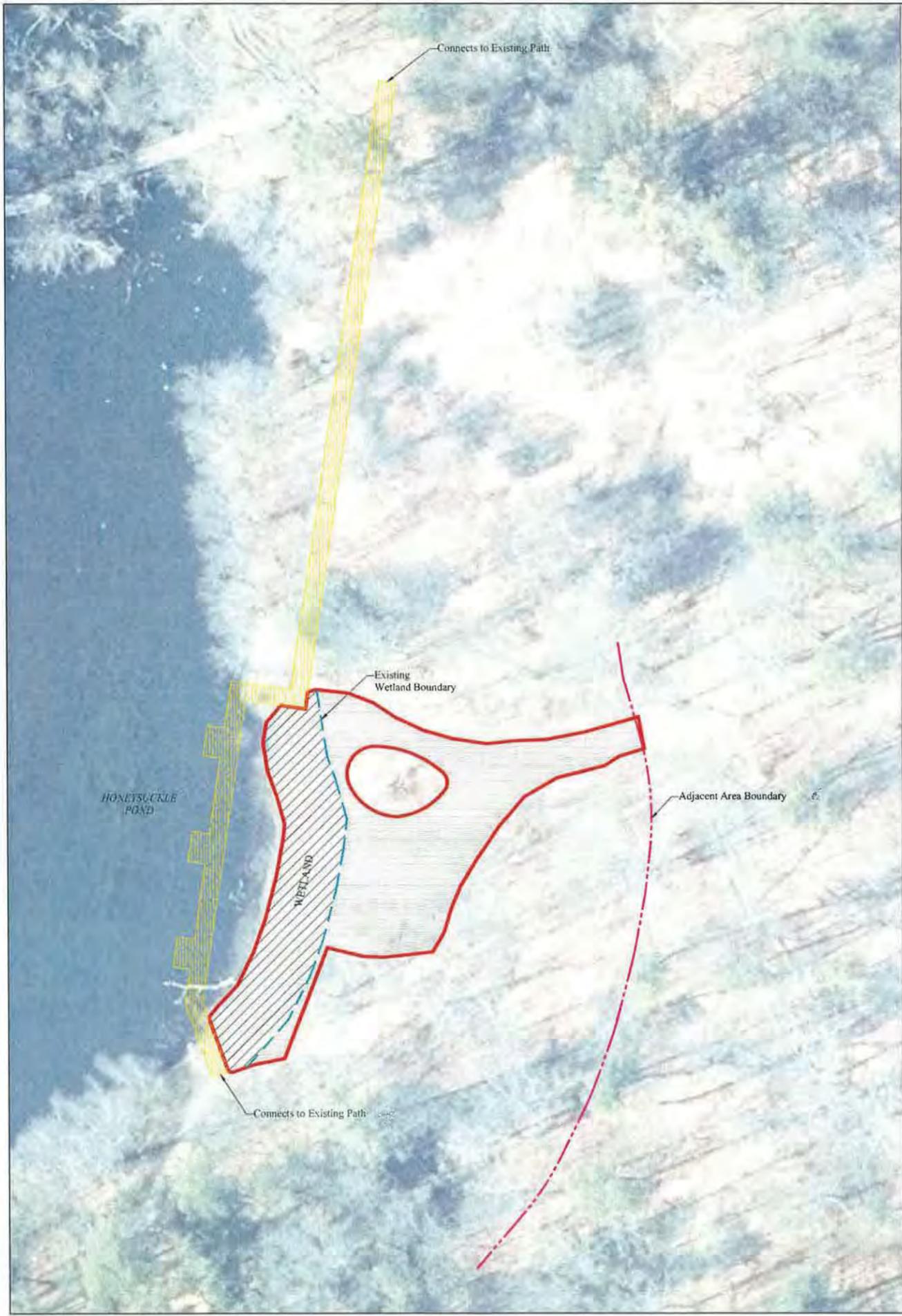
CULVERT IMPACTS ARE INCLUDED IN TOTAL PROJECT DISTURBANCE ON FIGURE 1.

NYSDEC
APPROVED AS PER TERMS
AND CONDITIONS OF

PERMIT NO. 1-4724-05130/0001
DATE 1/2/15 1/2

NYSDEC/USACE Joint Application
LIRR Second Track Project

FIGURE 3
CUT/FILL FOR CULVERT EXTENSION



- Legend:
- Project Area Boundary
 - Wetland Enhancement Zone (2,424.64 sq.ft. / 0.05 ac.)
 - Adjacent Area Enhancement Zone (3,960.57 sq.ft. / 0.09 ac.)
 - Proposed Boardwalk
 - Existing Wetland Boundary (Amy S. Greene Environmental Consultants, Inc., June 2014)
 - Anticipated NYSDEC Adjacent Area Boundary

Wetland Plantings Area (0.05 acre)- installed in natural groups of 4-6 (6 fl. o.c.)

Common Name	Scientific Name	Form	Quantity	Regional Indicator Status
sweet pepperbush	<i>Clethra alnifolia</i>	2-gallon cont.	10	FAC
winterberry	<i>Ilex verticillata</i>	2-gallon cont.	10	FACW
red chokeberry	<i>Aronia arbutifolia</i>	2-gallon cont.	10	FACW
silky dogwood	<i>Cornus amomum</i>	2-gallon cont.	10	FACW
arrowwood	<i>Viburnum dentatum</i>	2-gallon cont.	10	FAC
buttonbush	<i>Cephalanthus occidentalis</i>	2-gallon cont.	10	OBL
elderberry	<i>Sambucus canadensis</i>	2-gallon cont.	10	FACW
pickerweed	<i>Puncturella cordata</i>	2" plug	50	OBL
soft stemmed bulrush	<i>Scirpus validus</i>	2" plug	50	OBL
blueflag iris	<i>Iris versicolor</i>	2" plug	50	OBL
hassock sedge	<i>Carex stricta</i>	2" plug	50	OBL
swamp milkweed	<i>Asclepias incarnata</i>	2" plug	50	FACW
rose mallow	<i>Hibiscus moscheutos</i>	2" plug	50	FACW
cardinal flower	<i>Lobelia cardinalis</i>	2" plug	50	FACW

Adjacent Area Plantings (0.09 acre)- installed in natural groups of 4-6 (6 fl. o.c.)

Common Name	Scientific Name	Form	Quantity	Regional Indicator Status
blackjack oak	<i>Quercus marilandica</i>	2-gallon cont.	15	FACU
pitch pine	<i>Pinus rigida</i>	2-gallon cont.	15	FACU
red oak	<i>Quercus rubra</i>	2-gallon cont.	15	FACU
black chokeberry	<i>Aronia melanocarpa</i>	2-gallon cont.	15	FAC
bayberry	<i>Myrica pennsylvanica</i>	2-gallon cont.	15	FAC
staghorn sumac	<i>Rhus typhina</i>	2-gallon cont.	15	FACU
winged sumac	<i>Rhus copallinum</i>	2-gallon cont.	15	NI
arrowwood	<i>Viburnum dentatum</i>	2-gallon cont.	15	FAC
beach plum	<i>Prunus maritima</i>	2-gallon cont.	15	UPL

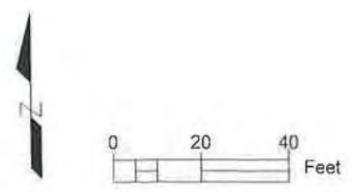
Wetland Seed Mix- approx. 0.05 acre (rate: 25lbs./acre)

COMMON NAME	SCIENTIFIC NAME	PERCENT SEED
Fox Sedge	<i>Carex vulpinoidea</i>	27
Giant Burreed	<i>Sparganium eurycarpum</i>	10
Lurid Sedge	<i>Carex lasida</i>	8
Squarrose Sedge	<i>Carex squarrosa</i>	8
Green Bulrush	<i>Scirpus atrovirens</i>	8
Blue Vervain	<i>Verbena hastata</i>	7
Cosmos Sedge	<i>Carex comosa</i>	5
Nodding Sedge	<i>Carex crinita</i>	5
Purple Stemmed Aster	<i>Aster purpureus</i>	3
Joe Pye Weed	<i>Eupatorium fistulosum</i>	3
Boneset	<i>Eupatorium perfoliatum</i>	3
Blue Flag	<i>Iris versicolor</i>	3
Monkeyflower	<i>Mimulus ringens</i>	3
Swamp Milkweed	<i>Asclepias incarnata</i>	2
Three Way Sedge	<i>Dulichium arundinaceum</i>	2
Rough Leaved Goldenrod	<i>Solidago patula</i>	2
Blue Lobelia	<i>Lobelia siphilitica</i>	1

Adjacent Area Seed Mix- approx. 0.09 acre (rate: 25 lbs./acre)

COMMON NAME	SCIENTIFIC NAME	PERCENT SEED
annual ryegrass	<i>Lolium multiflorum</i>	15
little bluestem	<i>Andropogon scoparius</i>	12
big bluestem	<i>Andropogon gerardi</i>	10
indian grass	<i>Sorghastrum nutans</i>	10
switchgrass	<i>Panicum virgatum</i>	15
oats	<i>Avena sativa</i>	5
showy goldenrod	<i>Solidago speciosa</i>	5
black-eyed susan	<i>Rudbeckia hirta</i>	5
purple coneflower	<i>Echinacea purpurea</i>	5
wild bergemont	<i>Monarda fistulosa</i>	5
lance-leaved coreopsis	<i>Coreopsis lanceolata</i>	5
common milkweed	<i>Asclepias syriaca</i>	1
lanceleaf coreopsis	<i>Coreopsis lanceolata</i>	1
smooth aster	<i>Aster laevis</i>	1
spiked gayfeather	<i>Liatris spicata</i>	1
brown eyed susan	<i>Rudbeckia triloba</i>	1
early goldenrod	<i>Solidago juncea</i>	1
butterfly milkweed	<i>Asclepias tuberosa</i>	1
hairy heartwort	<i>Penstemon hirsutus</i>	1

NYSDEC
APPROVED AS PER TERMS
AND CONDITIONS OF
PERMIT NO. _____
DATE _____



NYSDEC
 APPROVED AS PER TERMS
 AND CONDITIONS OF
 PERMIT NO. L-4729-05130-00001
 DATE 1/2/15 JG

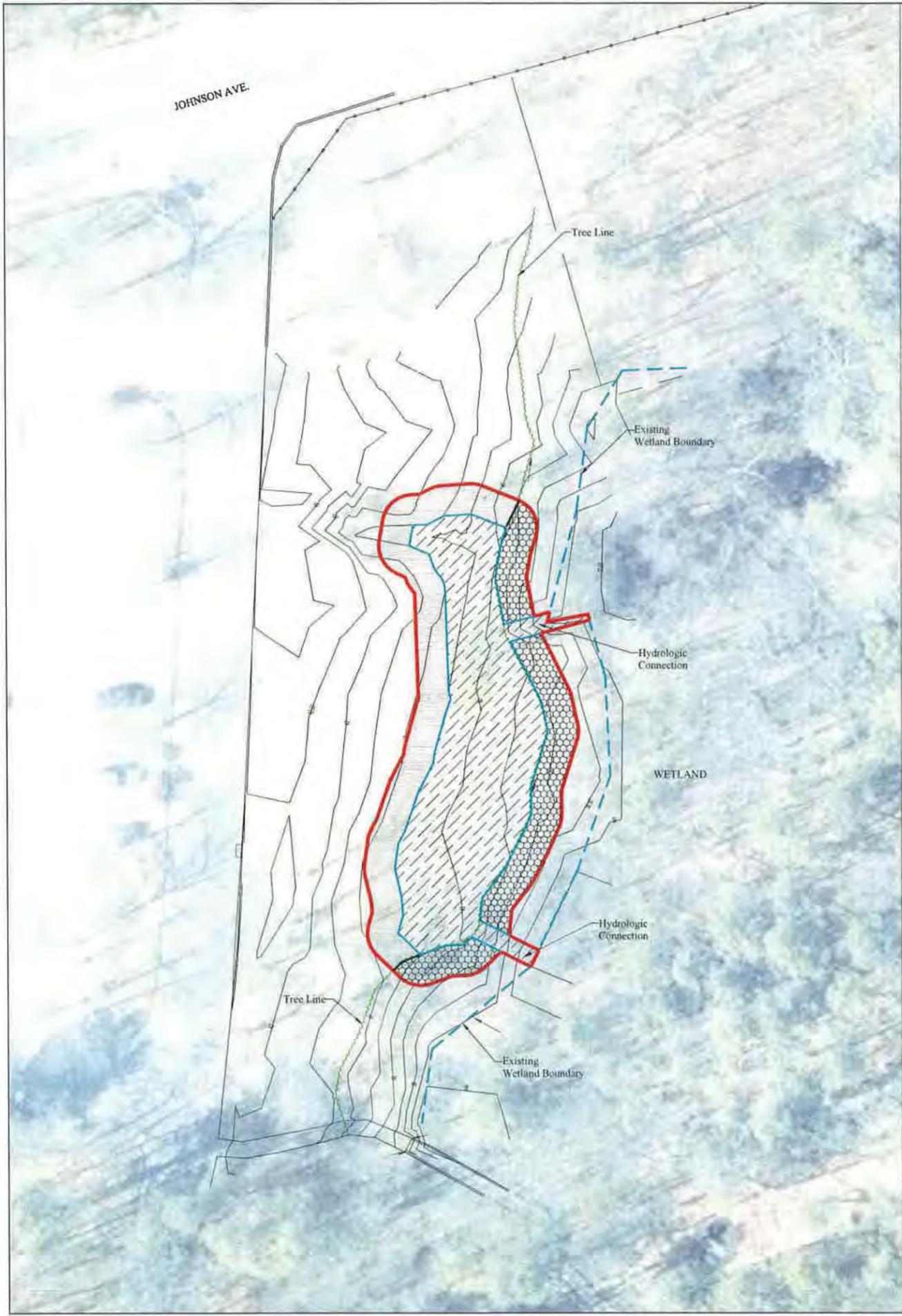
**AMY S. GREENE
ENVIRONMENTAL
CONSULTANTS, INC.**
1000 ROUTE 92 SOUTH, SUITE 200
ROSELAND, NJ 07068

No	Date	DR	SIR	CHK	APVD	ASG	ASG	By	Apvd
DSGN	CPM	SIR	CHK	APVD	ASG	ASG	By	Apvd	ASG

LIRR New Mainline 2nd Track
Ronkonkoma Branch Phase I
Lakeland County Park
Town of Islip
Suffolk County, New York

**CONCEPTUAL WETLAND MITIGATION PLAN
MITIGATION AREA 1**

Date	10/9/2014
Project	#3719
Sheet	1 OF 2



- Legend:**
- Project Area Boundary
 - Wetland Creation Zone (4,314.14 sq.ft. / 0.10 ac.)
 - Adjacent Area Enhancement (1,980.67 sq.ft. / 0.05 ac.)
 - Eradicate Invasive Species Zone (1,697.80 sq.ft. / 0.04 ac.)
 - ASGECI Delineated Wetland Line
 - Existing Tree Line

Wetland Scrub-Shrub Area (0.10 acres)- installed in natural groups of 4-6 (6 ft o c)

Common Name	Scientific Name	Form	Quantity	Regional Indicator Status
sweet pepperbush	<i>Clethra alnifolia</i>	2-gallon cont.	13	FAC
winterberry	<i>Ilex verticillata</i>	2-gallon cont.	13	FACW
steplebush	<i>Spirea tomentosa</i>	2-gallon cont.	13	FACW
red chokeberry	<i>Aronia arbutifolia</i>	2-gallon cont.	13	FACW
silly dogwood	<i>Cornus amomum</i>	2-gallon cont.	13	FACW
arrowwood	<i>Viburnum dentatum</i>	2-gallon cont.	13	FAC
buttonbush	<i>Cephalanthus occidentalis</i>	2-gallon cont.	13	OBL
elderberry	<i>Sambucus canadensis</i>	2-gallon cont.	13	FACW
Joe-pye-weed	<i>Eupatorium purpureum</i>	2" plug	50	FACW
botanist	<i>Eupatorium perfoliatum</i>	2" plug	50	FAC
blueflag iris	<i>Iris versicolor</i>	2" plug	50	OBL
New York aster	<i>Aster novae-belgii</i>	2" plug	50	FACW
haddock sedge	<i>Carex stricta</i>	2" plug	50	OBL
swamp milkweed	<i>Asclepias incarnata</i>	2" plug	50	FACW
rose mallow	<i>Hibiscus moscheutos</i>	2" plug	50	FACW
cardinal flower	<i>Labella cardinalis</i>	2" plug	50	FACW

Adjacent Area (0.09 acres)- installed in natural groups of 4-6 (6 ft o c)

Common Name	Scientific Name	Form	Quantity	Regional Indicator Status
sweet pepperbush	<i>Clethra alnifolia</i>	2-gallon cont.	10	FAC
black chokeberry	<i>Aronia melanocarpa</i>	2-gallon cont.	10	FACW
arrowwood	<i>Viburnum dentatum</i>	2-gallon cont.	10	FAC
meadowsweet	<i>Spiraea latifolia</i>	2-gallon cont.	10	FACW

Wetland Seed Mix- approx. 0.10 acres (rate: 25lbs./acre)

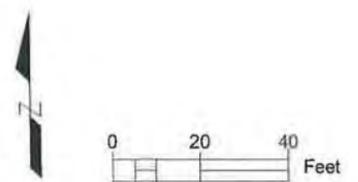
COMMON NAME	SCIENTIFIC NAME	PERCENT SEED
Fox Sedge	<i>Carex vulpinoidea</i>	27
Giant Burreed	<i>Sparganium angustifolium</i>	10
Lurid Sedge	<i>Carex lurida</i>	8
Squarrose Sedge	<i>Carex squarrosa</i>	8
Green Bulrush	<i>Scirpus atrovirens</i>	8
Blue Vervain	<i>Verbena hastata</i>	7
Cosmos Sedge	<i>Carex comosa</i>	5
Nodding Sedge	<i>Carex erinota</i>	5
Purple Stemmed Aster	<i>Aster purpureus</i>	3
Joe Pye Weed	<i>Eupatorium fistulosum</i>	3
Ronset	<i>Eupatorium perfoliatum</i>	3
Blue Flag	<i>Iris versicolor</i>	3
Monkshlower	<i>Mimulus ringens</i>	3
Swamp Milkweed	<i>Asclepias incarnata</i>	2
Three Way Sedge	<i>Dulichium arundinaceum</i>	2
Rough Leaved Goldenrod	<i>Solidago patula</i>	2
Blue Lobelia	<i>Lobelia siphilitica</i>	1

Adjacent Area Seed Mix- approx. 0.09 acres (rate: 25 lbs./acre)

COMMON NAME	SCIENTIFIC NAME	PERCENT SEED
annual ryegrass	<i>Lolium multiflorum</i>	15
little bluestem	<i>Andropogon scoparius</i>	12
big bluestem	<i>Andropogon gerardii</i>	10
indian grass	<i>Sorghastrum nutans</i>	10
switchgrass	<i>Panicum virgatum</i>	15
oats	<i>Avena sativa</i>	5
showy goldenrod	<i>Solidago speciosa</i>	5
black-eyed susan	<i>Rudbeckia hirta</i>	5
purple coneflower	<i>Echinacea purpurea</i>	5
wild bergamot	<i>Monarda fistulosa</i>	5
lance-leaved coreopsis	<i>Corsopsis lanceolata</i>	5
common milkweed	<i>Asclepias syriaca</i>	1
lanceleaf coreopsis	<i>Corsopsis lanceolata</i>	1
smooth aster	<i>Aster laevis</i>	1
spiked gayfeather	<i>Liatrix spicata</i>	1
brown eyed susan	<i>Rudbeckia triloba</i>	1
early goldenrod	<i>Solidago juncea</i>	1
butterfly milkweed	<i>Asclepias tuberosa</i>	1
hairy beardtongue	<i>Penstemon hirsutus</i>	1

NYS DEC
 APPROVED AS PER TERMS
 AND CONDITIONS OF
 PERMIT NO. 1-4728-05730/0001
 DATE 1/2/15 JLE

NYS DEC
 APPROVED AS PER TERMS
 AND CONDITIONS OF
 PERMIT NO. _____
 DATE _____



No	Date	DR	SIR	CHK	APVD	By	APVD	ASG	

LIRR New Mainline 2nd Track
 Ronkonkoma Branch Phase I
 Lakeland County Park
 Town of Islip
 Suffolk County, New York

**CONCEPTUAL WETLAND MITIGATION PLAN
 MITIGATION AREA 2**

REGULATORY BRANCH

NOV 14 2014

SUBJECT: Permit Application Number NAN-2014-00215-EYA by Long Island Railroad - Ronkonkoma Branch for construction of new additional track and wetland mitigation at a freshwater wetland associated with Honeysuckle Pond a tributary to Connetquot River in Town of Islip, Suffolk County, New York

MAILING LABELS

**Long Island Railroad
144-41 94th Avenue
Mail Code 1913
Jamaica, NY 11435**

**Andrea Rosenthal, ENV SP
Assistant Vice President
Parsons Brinckerhoff
One Penn Plaza
New York, NY 10119**

CENAN-OP-R [S. Ryba]

CENAN-OP-RE [J. Yan]



DEPARTMENT OF THE ARMY
NEW YORK DISTRICT, CORPS OF ENGINEERS
JACOB K. JAVITS FEDERAL BUILDING
26 FEDERAL PLAZA
NEW YORK, NEW YORK 10278-0090

NOV 14 2014

REGULATORY BRANCH

SUBJECT: Permit Application Number NAN-2014-00215-EYA by Long Island Railroad - Ronkonkoma Branch for construction of new additional track and wetland mitigation at a freshwater wetland associated with Honeysuckle Pond a tributary to Connetquot River in Town of Islip, Suffolk County, New York

1. PERMITTEE:

Long Island Railroad
144-41 94th Avenue
Mail Code 1913
Jamaica, NY 11435
(718) 558-3626

2. On October 15, 2014, the New York District of the U.S. Army Corps of Engineers received a request for Department of the Army authorization to construct a new railroad track between Central Islip and Ronkonkoma. Work activities will involve the installation of new retaining walls along the north side of the proposed track resulting in impacts to wetlands as well as the extension an existing 48-inch steel culvert into the Connetquot River. The project is located in the Town of Islip, Suffolk County, New York.

The submittals entitled "LIRR Second Track Project Area of Wetland Disturbance" Drawings 1A through 1C, prepared by Parsons Brinckerhoff, dated July 2014, indicate that the total impacts to waters of the United States would involve the discharge of approximately 1,910-cubic yards of fill material into a maximum of 0.1432-acres of waters of the U.S., including wetlands. Additionally, the project activities would involve temporary wetland impacts in the form of the discharge of approximately 836-cubic yards of fill into approximately 0.0192 acres of waters of the U.S., including wetlands. All temporary wetland impacts would be restored on-site by returning the site to the original grade with re-planting of wetland plant species.

The permittee will provide approximately 0.15-acres of wetland enhancement and creation activities as compensatory mitigation for wetland impacts. Specifically, compensatory mitigation activities would be completed at sites located within the Lakeland County Park, in the Town of Islip, Suffolk County, New York. The proposed compensatory mitigation contains two (2) separate areas within the Park. Compensatory mitigation activities at Area 1 would involve enhancement of approximately 0.05-acres of palustrine scrub-shrub wetlands. Compensatory mitigation activities at Area 2 would involve creation of approximately 0.10-acres of palustrine scrub-shrub wetland.

3. The specific applicant-provided details are as shown on the attached permit drawings.

4. This determination covers only the work described in the submitted material. Any major changes in the project may require additional authorizations from the New York District of the U.S. Army Corps of Engineers.

SUBJECT: Permit Application Number NAN-2014-00215-EYA by Long Island Railroad - Ronkonkoma Branch for construction of new additional track and wetland mitigation at a freshwater wetland associated with Honeysuckle Pond a tributary to Connetquot River in Town of Islip, Suffolk County, New York

- 2 -

5. Based on the information submitted to this office and accomplishment of any required notification in accordance with the applicable federal requirements, our review of the subject work indicates that an individual Department of the Army permit is not required. It appears that the activities within the jurisdiction of this office could be accomplished under Department of the Army Nationwide General Permit Number 14 LINEAR TRANSPORTATION PROJECTS in accordance with Section 404 of the Clean Water Act (33 U.S.C. 1344). The nationwide permits are prescribed at Reissuance of Nationwide Permits in the Federal Register dated February 21, 2012 (77 FR 10184). The subject work may be performed without further authorization from this office provided it complies with Special Conditions A through K, Number 14 LINEAR TRANSPORTATION PROJECTS; New York District regional conditions; the following work-specific Special Conditions listed below; and any applicable regional conditions added by the State of New York.

6. Other than the work-specific Special Conditions listed below, the 2012 nationwide general permits in the State of New York, including their final regional conditions, water quality certifications, and coastal zone concurrence statements are available at: http://www.nan.usace.army.mil/Portals/37/docs/regulatory/geninfo/natp/NWP_PN_30MA_Y12.pdf

If you require a specific paper copy, please contact our Regulator-of-the-Day at 917-790-8511 to request one be mailed to you. Please be sure to have the above eighteen-character file number readily available when you call.

7. Work-specific Special Conditions:

- (A) The permittee shall, prior to the start of authorized work, initiate construction of the compensatory wetland mitigation site as described in the above referenced drawings
- (B) The permittee shall accomplish compensatory mitigation through the successful establishment of 0.15-acres of wetlands, as described in the above referenced drawings.
- (C) The permittee shall ensure that all proposed mitigation plantings have an eighty-five (85) percent survival rate and all established wetland areas in conjunction with the compensatory mitigation shall have an eighty-five (85) percent coverage rate of hydrophytic plants (those with a regional indicator status of FAC, FAC+, FAC+/-, or OBL in the report entitled "National List of Plant Species that Occur in Wetlands, Northeast [Region 1]", published by the U.S. Fish and Wildlife Service). The permittee shall also ensure that the vegetation in the newly established wetland does not consist of more than a total of 5% areal coverage of common reed (*Phragmites*

SUBJECT: Permit Application Number NAN-2014-00215-EYA by Long Island Railroad - Ronkonkoma Branch for construction of new additional track and wetland mitigation at a freshwater wetland associated with Honeysuckle Pond a tributary to Connetquot River in Town of Islip, Suffolk County, New York

- 3 -

australis), purple loosestrife (*Lythrum salicaria*), reed canary grass (*Phalaris arundinacea*), Japanese knotweed (*Polygonum cuspidatum*), Tartarian honeysuckle (*Lonicera tartarica*), Eurasian milfoil (*Myriophyllum spicata*), and/or other invasive species.

(D) The permittee shall provide to this office annual reports on the status of the compensatory mitigation activities, in each of the following five (5) years after initiation of the activities authorized by this permit. These reports shall be submitted no later than October 15 in each of these years. All data for the reports must be collected between the dates of April 15 and October 15 in the same year it is submitted. If this office determines that the success criteria outlined in Special Condition (D) above has not been met for at least three consecutive years, this period will be extended and the permittee shall continue to submit monitoring reports every year until this office determines that the success criteria has been met for three consecutive years. These reports shall include the following at a minimum:

1. A list of dominant plant species, along with their estimated frequency and percent areal cover in each vegetative strata (i.e. tree, shrub and herbaceous) for each cover type within the mitigation site;
2. Color photographs showing all representative areas of each cover type within the mitigation site, taken at least once each year during the period between June 1 and August 15;
3. A Corps of Engineers approved wetland delineation data sheet for each cover type within the mitigation site;
4. Vegetation cover maps, at a scale of one inch equals 100 feet, or larger scale, outlining the extent (in acres) of each cover type within the mitigation site shall be prepared for each growing season;
5. Well and gauge data showing water elevations within the mitigation site recorded twice a month during April through September of each year. The location of the monitoring well or gauge shall be shown on the plan view engineering drawing; and
6. A remedial plan outlining all practicable steps taken or proposed to be taken to ensure the success criteria outlined in Special Condition (D) above are met by the specified due date of the next monitoring report.

SUBJECT: Permit Application Number NAN-2014-00215-EYA by Long Island Railroad - Ronkonkoma Branch for construction of new additional track and wetland mitigation at a freshwater wetland associated with Honeysuckle Pond a tributary to Connetquot River in Town of Islip, Suffolk County, New York

- 4 -

- (E) The permittee shall ensure that no mowing of the mitigation area shall occur.
- (F) The permittee, and their agents, shall undertake the authorized filling activities in a manner aimed at reducing impacts upon the general environment. In addition, the permittee shall not stockpile fill or other materials in a manner conducive to erosion, or in areas likely to cause high turbidity runoff during storm events. All exposed soils shall be re vegetated in a timely manner to further reduce potential effects. The permittee shall also fence off all wetlands and other sensitive ecological areas during construction periods to prevent equipment and personnel from entering these areas.
- (G) The permittee shall secure a conservation easement or deed restriction on the wetland mitigation site to guarantee its preservation for wetland and wildlife resources. Copies of the instrument(s) effecting such easement shall be submitted to the New York District Corps of Engineers for approval prior to execution, and the instrument(s) shall be executed and recorded with the Suffolk County Registrar of Deeds within one year following the initial plantings/seedlings of the mitigation site.
- (H) The permittee shall assume all liability for accomplishing the corrective work should the New York District determine that the compensatory mitigation has not been fully satisfactory. If the New York District does not find the mitigation satisfactory, an extension of monitoring time may be required to cover any necessary remedial work.
- (I) The permittee shall sign and submit the attached compliance certification form to this office within 30 days of the completion of the regulated activity authorized by this permit and any mitigation work required by Special Condition.
- (J) The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

8. Please note that this nationwide general permit (NWGP) verification is based on a preliminary jurisdictional determination (JD). A preliminary jurisdictional determination (JD) is not appealable. If you wish, prior to commencement of the authorized work you may request an approved jurisdictional determination (JD), which may be appealed, by

SUBJECT: Permit Application Number NAN-2014-00215-EYA by Long Island Railroad - Ronkonkoma Branch for construction of new additional track and wetland mitigation at a freshwater wetland associated with Honeysuckle Pond a tributary to Connetquot River in Town of Islip, Suffolk County, New York

- 5 -

contacting the New York District, US Army Corps of Engineers for further instructions. To assist you in this decision and address any questions you may have on the differences between preliminary and approved jurisdictional determinations, please review US Army Corps of Engineers Regulatory Guidance Letter Number 08-02, which can be found at:

<http://www.usace.army.mil/Portals/2/docs/civilworks/RGLS/rgl08-02.pdf>

9. This verification is valid until March 17, 2017, unless the nationwide general permits are modified, reissued, or revoked before then. This verification will remain valid until March 17, 2017, if the subject work activity complies with the terms of any subsequent modifications of the nationwide general permits. If the nationwide general permits are suspended, revoked, or modified in such a way that the subject activity would no longer comply with the terms and conditions of a nationwide general permit, and the proposed work activity has commenced, or is under contract to commence, the permittee will have twelve (12) months from the date of such permit action to complete the regulated work.

10. In order for us to better serve you and others, please complete our Customer Service Survey located at:

<http://www.nan.usace.army.mil/Missions/Regulatory/CustomerSurvey.aspx>

11. Any inquires should be directed to our Regulator-of-the-Day at 917-790-8511. Please be sure to have the above eighteen-character file number readily available when you call.



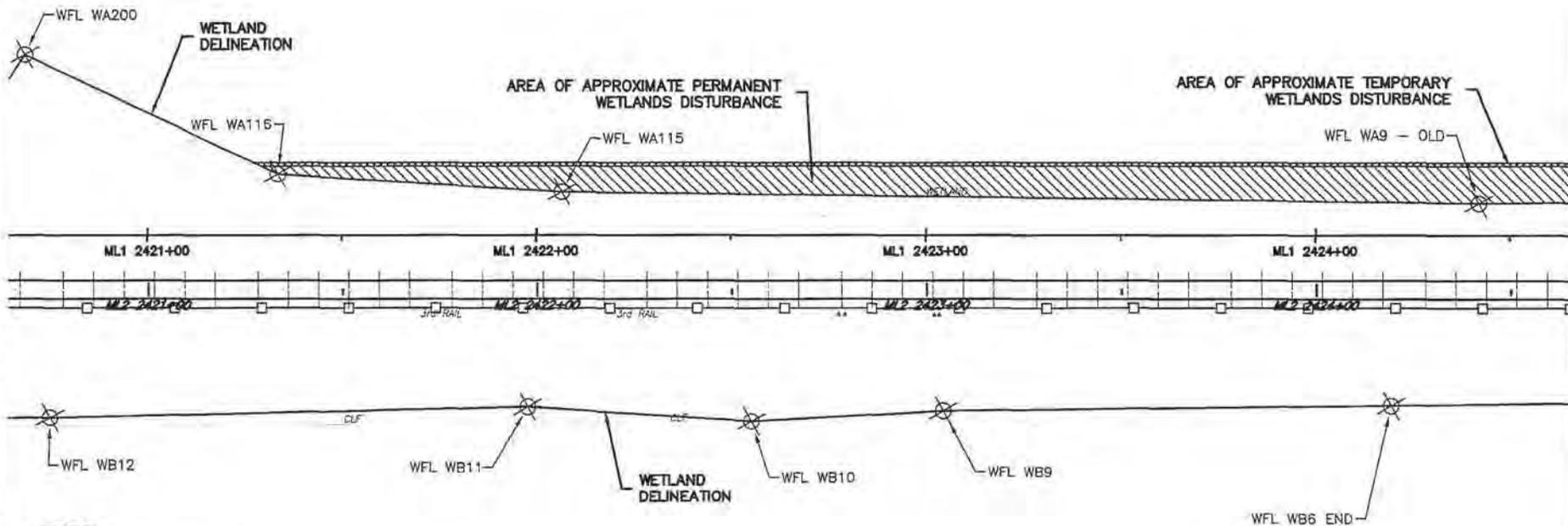
Stephan A. Ryba
Chief, Eastern Section

Enclosures (2)

1. Permit Drawings
2. Completion Form

Copies furnished:

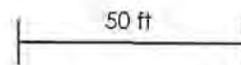
Andrea Rosenthal, ENV SP
Assistant Vice President
Parsons Brinckerhoff
One Penn Plaza
New York, NY 10119



LEGEND

-  AREA OF APPROXIMATE TEMPORARY WETLANDS DISTURBANCE
-  AREA OF APPROXIMATE PERMANENT WETLANDS DISTURBANCE

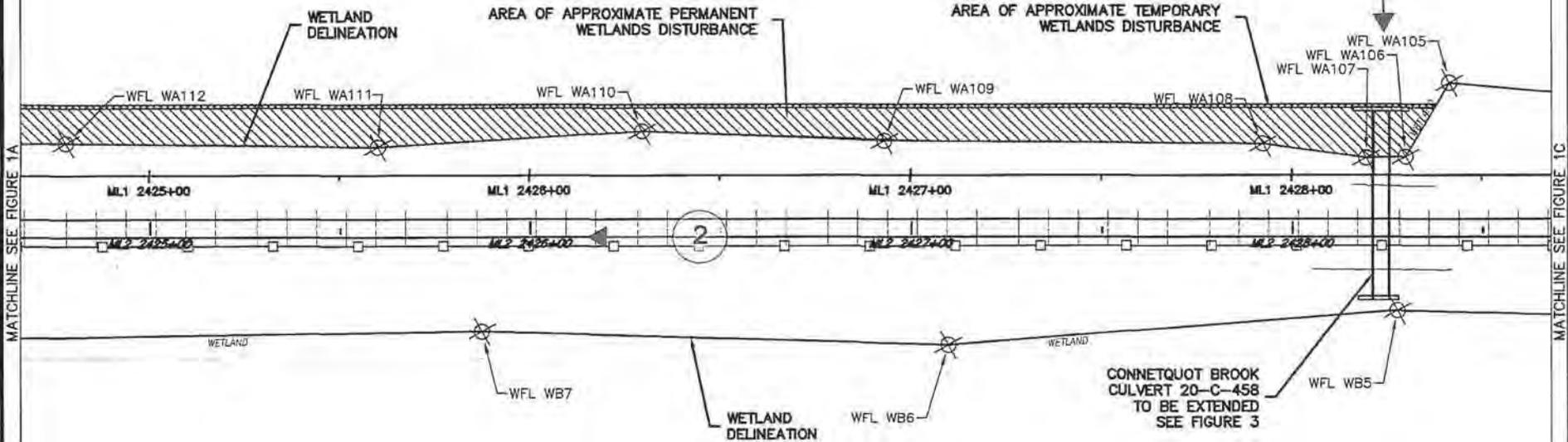
TOTAL PROJECT DISTURBANCE	
PERMANENT WETLAND DISTURBANCE	0.1432 ACRES (6236 SF)
TEMPORARY WETLAND DISTURBANCE	0.0192 ACRES (836 SF)
PERMANENT VOLUME OF FILL WETLAND DISTURBANCE	51,750 CF (1910 CY)
TEMPORARY VOLUME OF CUT WETLAND DISTURBANCE	3344 CF (123.9 CY)
PERMANENT VOLUME OF CUT WETLAND DISTURBANCE	17,820 CF (660 CY)





3
Aerial View

4

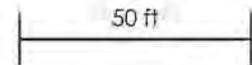


LEGEND

-  AREA OF APPROXIMATE TEMPORARY WETLANDS DISTURBANCE
-  AREA OF APPROXIMATE PERMANENT WETLANDS DISTURBANCE

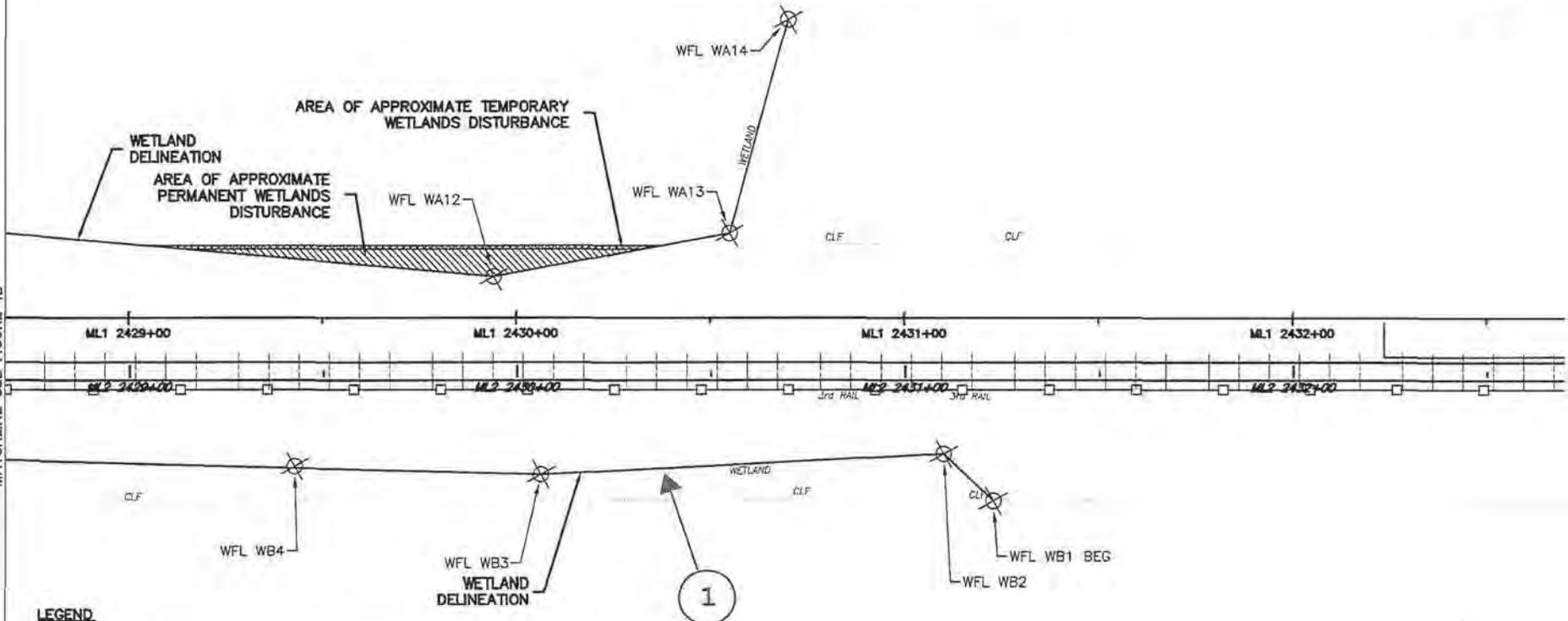
TOTAL PROJECT DISTURBANCE	
PERMANENT WETLAND DISTURBANCE	0.1432 ACRES (6236 SF)
TEMPORARY WETLAND DISTURBANCE	0.0192 ACRES (836 SF)
PERMANENT VOLUME OF FILL WETLAND DISTURBANCE	51,750 CF (1910 CY)
TEMPORARY VOLUME OF CUT WETLAND DISTURBANCE	3344 CF (123.9 CY)
PERMANENT VOLUME OF CUT WETLAND DISTURBANCE	17,820 CF (660 CY)

2 → Photograph Directions (refer to Attachment C)





MATCHLINE SEE FIGURE 1B

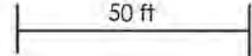


LEGEND

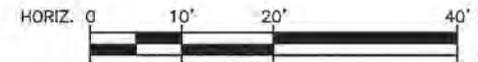
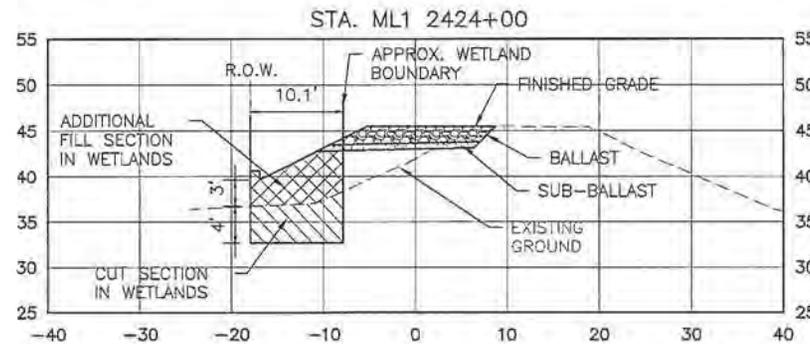
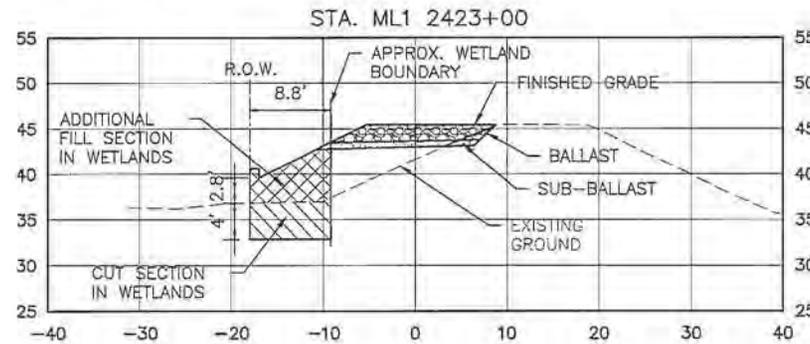
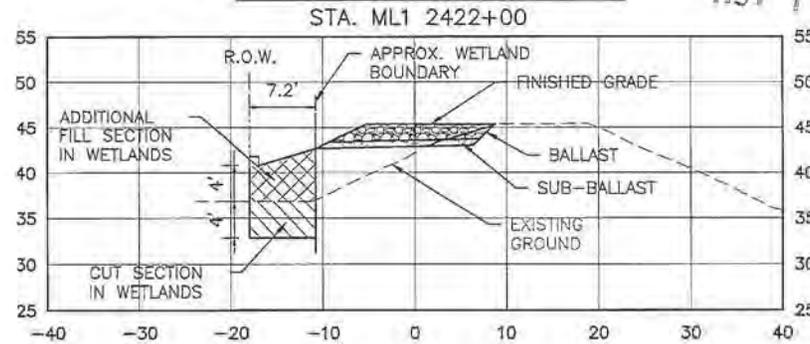
- AREA OF APPROXIMATE TEMPORARY WETLANDS DISTURBANCE
- AREA OF APPROXIMATE PERMANENT WETLANDS DISTURBANCE

TOTAL PROJECT DISTURBANCE	
PERMANENT WETLAND DISTURBANCE	0.1432 ACRES (6236 SF)
TEMPORARY WETLAND DISTURBANCE	0.0192 ACRES (836 SF)
PERMANENT VOLUME OF FILL WETLAND DISTURBANCE	51,750 CF (1910 CY)
TEMPORARY VOLUME OF CUT WETLAND DISTURBANCE	3344 CF (123.9 CY)
PERMANENT VOLUME OF CUT WETLAND DISTURBANCE	17,820 CF (660 CY)

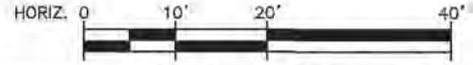
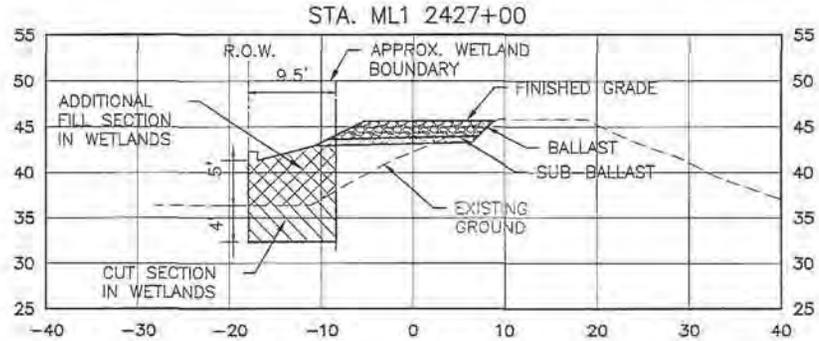
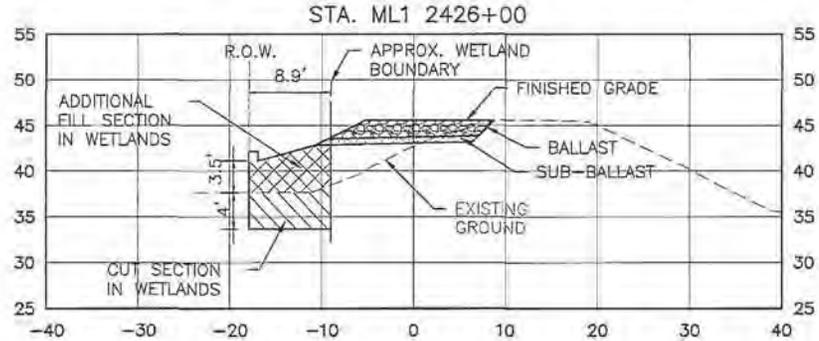
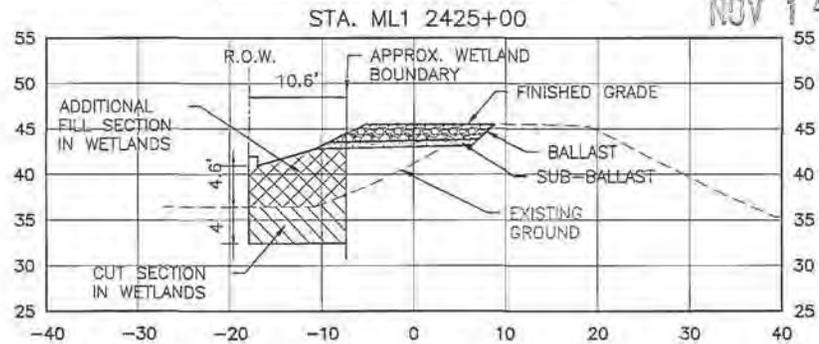
① → Photograph Directions (refer to Attachment C)



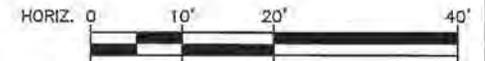
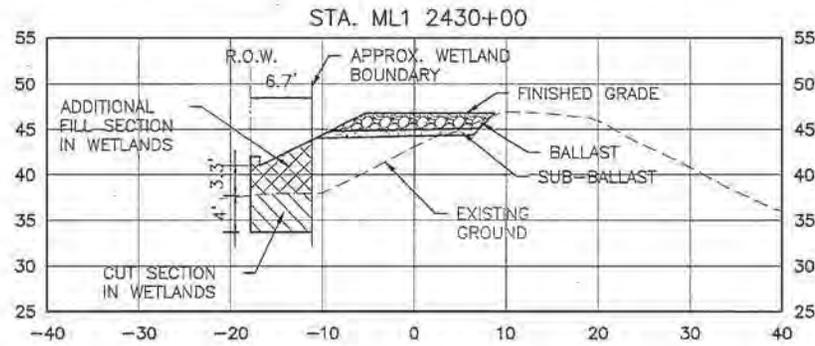
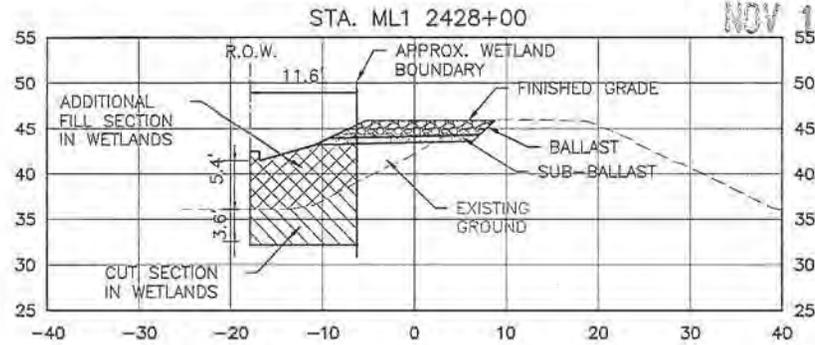
NOV 14 2014

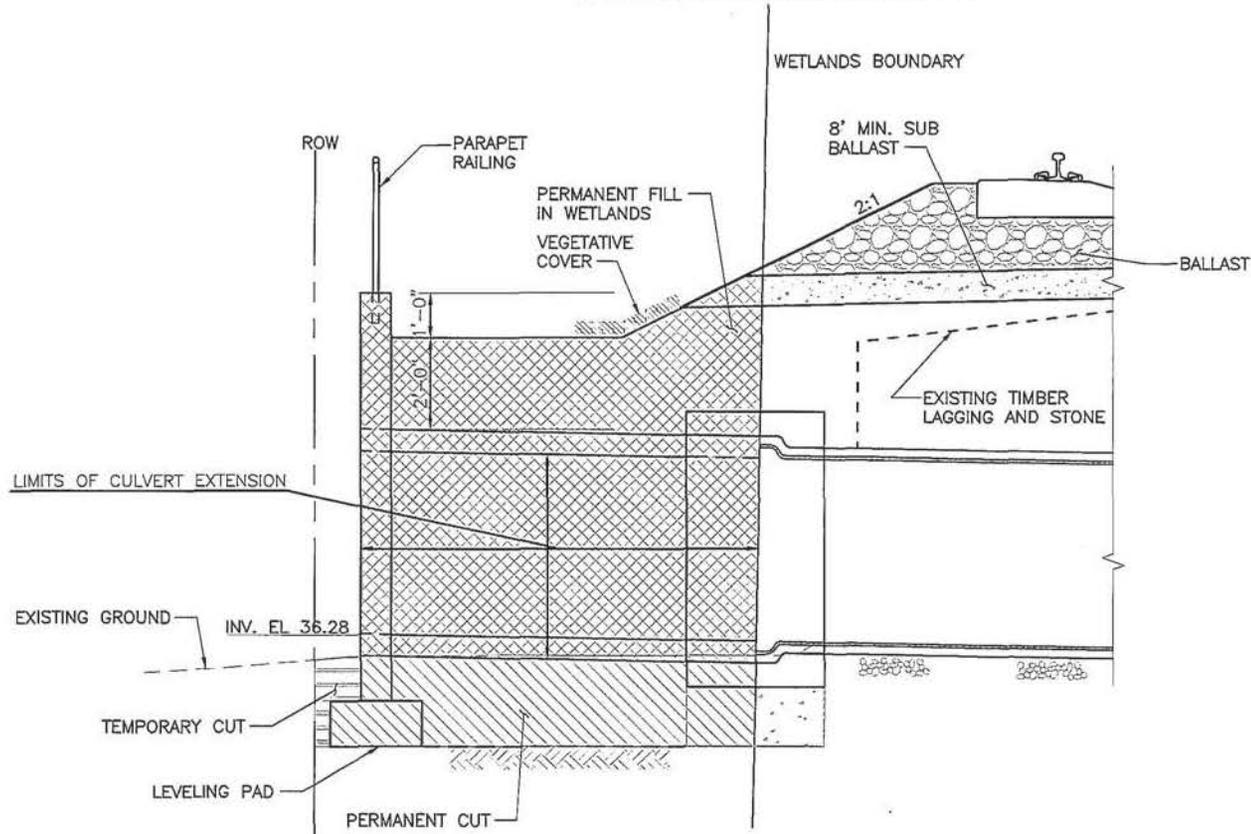


NOV 14 2014



NOV 14 2014





LEGEND

-  AREA OF PERMANENT FILL
-  AREA OF PERMANENT CUT
-  AREA OF TEMPORARY CUT

CULVERT SECTION AT
STA. 2428+23

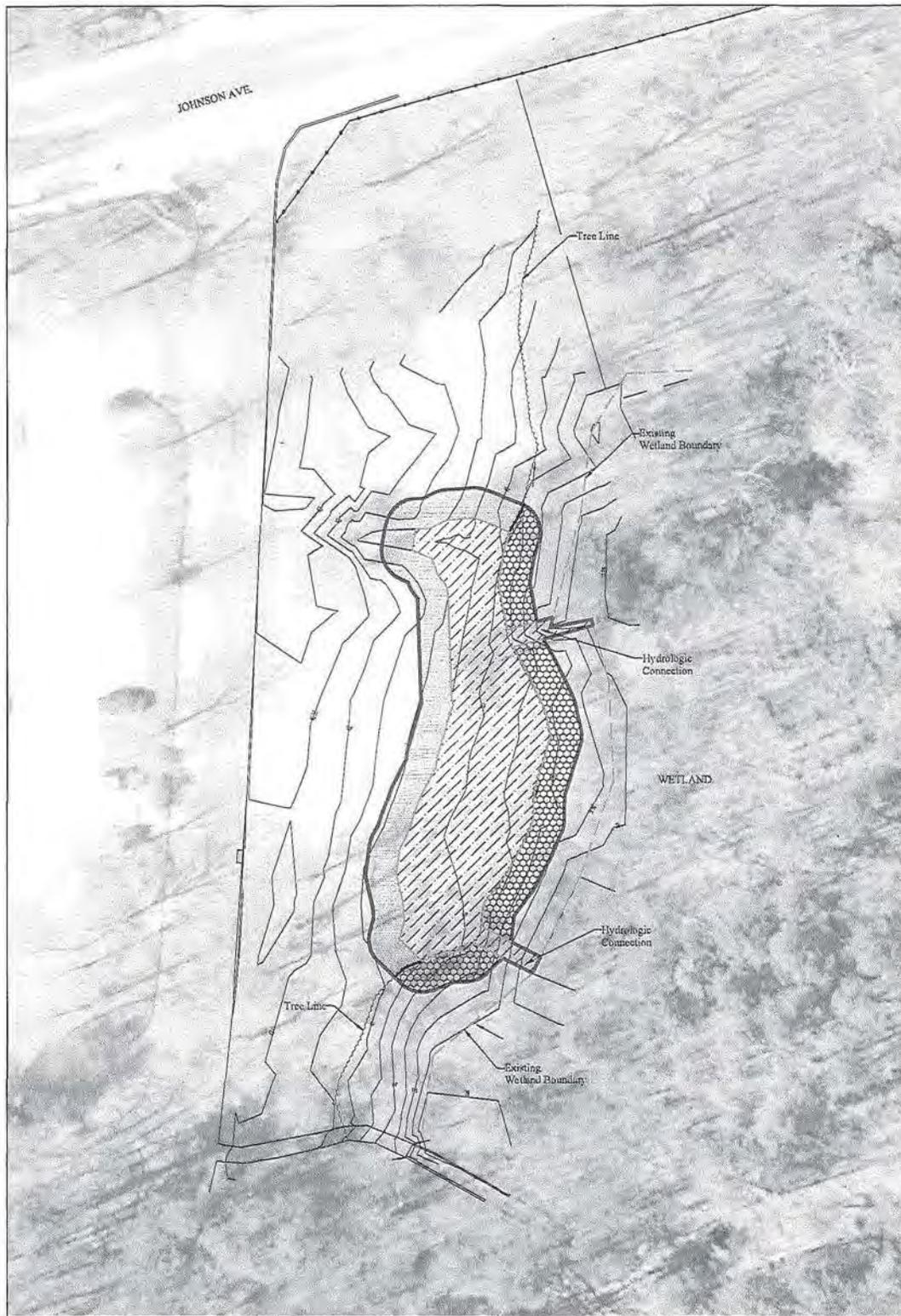
TOTAL CULVERT IMPACT

PERMANENT DISTURBANCE	0.0016 ACRES (70 SF)
TEMPORARY DISTURBANCE	0.0002 ACRES (8 SF)
PERMANENT VOLUME OF FILL WETLAND DISTURBANCE	765 CF (28 CY)
PERMANENT VOLUME OF CUT WETLAND DISTURBANCE	155 CF (6 CY)
TEMPORARY VOLUME OF CUT WETLAND DISTURBANCE	64 CF (2CY)

NOTE:

CULVERT IMPACTS ARE INCLUDED IN TOTAL PROJECT DISTURBANCE ON FIGURE 1.

MAN-2014-00215-EYA
 NOV 14 2014



Legend:

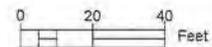
- Project Area Boundary
- Wetland Creation Zone
(4,314.14 sq.ft. / 0.10 ac.)
- Adjacent Area Enhancement
(1,980.67 sq.ft. / 0.05 ac.)
- Eradicate Invasive Species Zone
(1,697.80 sq.ft. / 0.04 ac.)
- ASGECI Delineated Wetland Line
- Existing Tree Line

Wetland Scrub-Shrub Area (0.10 acres)- installed in natural groups of 4-6 (6 ft. o.c.)

Common Name	Scientific Name	Form	Quantity	Regional Indicator Status
sweet pepperbush	<i>Clethra alnifolia</i>	2-pollen coat	13	FAC
winterberry	<i>Ilex verticillata</i>	2-pollen coat	13	FACW
swampbush	<i>Spiraea tomentosa</i>	2-pollen coat	13	FACW
red chokeberry	<i>Aronia arbutifolia</i>	2-pollen coat	13	FACW
silly sycamore	<i>Cornus amomum</i>	2-pollen coat	13	FACW
arrowwood	<i>Viburnum dentatum</i>	2-pollen coat	13	FAC
honeybush	<i>Cephalanthus occidentalis</i>	2-pollen coat	13	OBL
elderberry	<i>Sambucus canadensis</i>	2-pollen coat	13	FACW
ice-tee-weed	<i>Eupatorium purpuraceum</i>	2" plug	50	FACW
bonaset	<i>Eupatorium perfoliatum</i>	2" plug	50	FAC
blueflag iris	<i>Iris versicolor</i>	2" plug	50	OBL
New York aster	<i>Aster novae-belgii</i>	2" plug	50	FACW
rustock sedge	<i>Carex stricta</i>	2" plug	50	OBL
swamp milkweed	<i>Asclepias incarnata</i>	2" plug	50	FACW
rose mallow	<i>Hibiscus moscheutos</i>	2" plug	50	FACW
cardinal flower	<i>Lobelia cardinalis</i>	2" plug	50	FACW

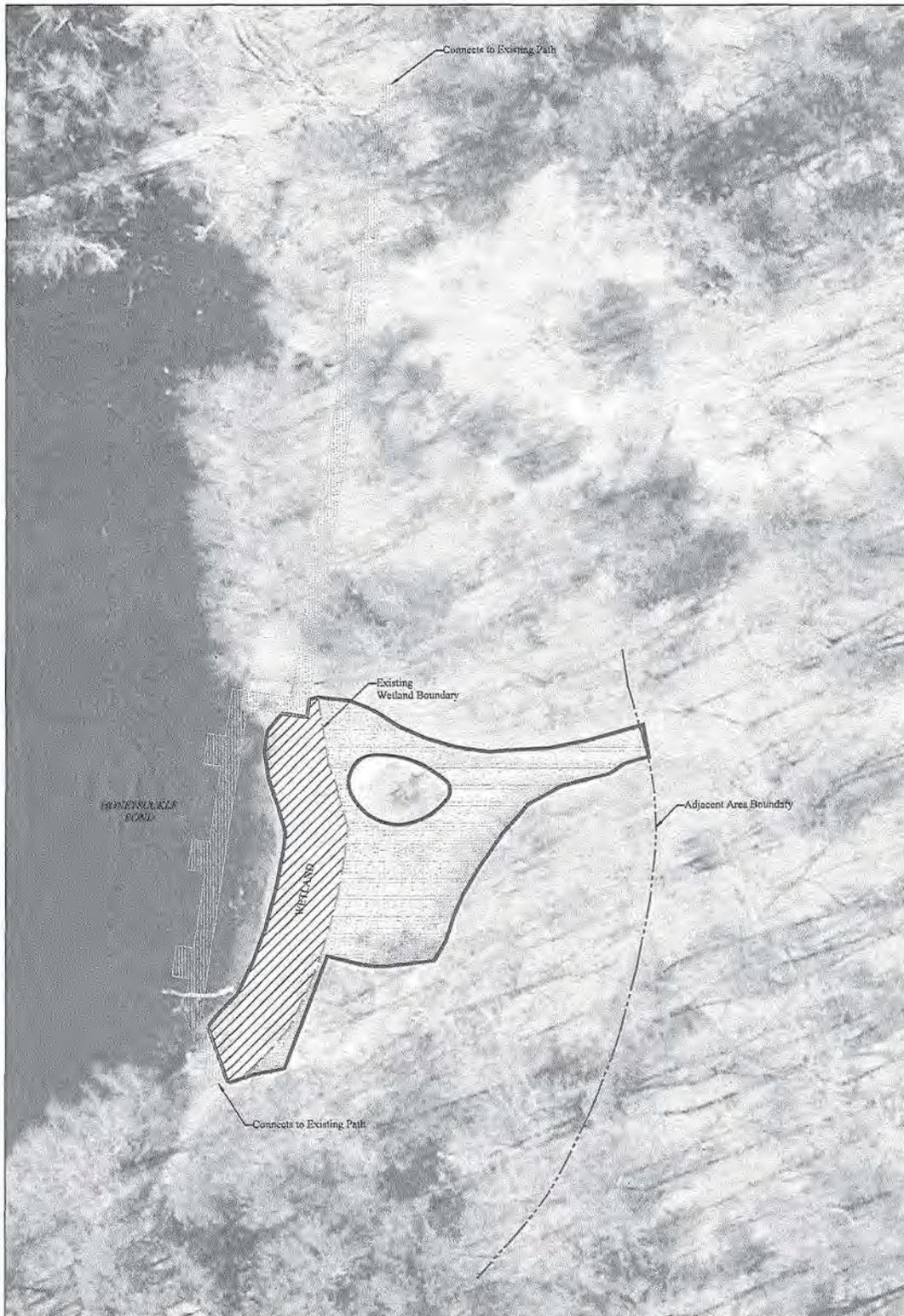
Adjacent Area (0.09 acres)- installed in natural groups of 4-5 (6 ft. o.c.)

Common Name	Scientific Name	Form	Quantity	Regional Indicator Status
sweet pepperbush	<i>Clethra alnifolia</i>	2-pollen coat	10	FAC
black chokeberry	<i>Aronia melanocarpa</i>	2-pollen coat	10	FACW
arrowwood	<i>Viburnum dentatum</i>	2-pollen coat	10	FAC
meadowweet	<i>Spiraea latifolia</i>	2-pollen coat	10	FACW



Legend:

-  Project Area Boundary
-  Wetland Enhancement Zone
(2,424.64 sq.ft. / 0.05 ac.)
-  Adjacent Area Enhancement Zone
(3,960.57 sq.ft. / 0.09 ac.)
-  Proposed Boardwalk
-  Existing Wetland Boundary (Amy S. Greene
Environmental Consultants, Inc., June 2014)
-  Anticipated NYSDEC Adjacent Area Boundary

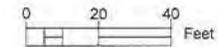


Wetland Plantings Area (0.05 acre)- installed in natural groups of 4-6 (6 ft. o.c.)

Common Name	Scientific Name	Form	Quantity	Regional Indicator Status
sweet pepperbush	<i>Clethra alnifolia</i>	2-pylon cont.	10	FAC
winterberry	<i>Ilex verticillata</i>	2-pylon cont.	10	FACW
red chokeberry	<i>Aronia arbutifolia</i>	2-pylon cont.	10	FACW
silky dogwood	<i>Cornus amomum</i>	2-pylon cont.	10	FACW
arrowwood	<i>Viburnum dentatum</i>	2-pylon cont.	10	FAC
buttonbush	<i>Cephaelis occidentalis</i>	2-pylon cont.	10	OBL
elderberry	<i>Sambucus canadensis</i>	2-pylon cont.	10	FACW
pickersweed	<i>Pontederia cordata</i>	2" plug	50	OBL
soil stemmed bulrush	<i>Scirpus validus</i>	2" plug	50	OBL
blackflag iris	<i>Iris versicolor</i>	2" plug	50	OBL
tussock sedge	<i>Carex stricta</i>	2" plug	50	OBL
swamp milkweed	<i>Asclepias incarnata</i>	2" plug	50	FACW
rose mallow	<i>Hibiscus moscheutos</i>	2" plug	50	FACW
cardinal flower	<i>Loebelia cardinalis</i>	2" plug	50	FACW

Adjacent Area Plantings (0.09 acre)- installed in natural groups of 4-6 (6 ft. o.c.)

Common Name	Scientific Name	Form	Quantity	Regional Indicator Status
blackjack oak	<i>Quercus marilandica</i>	2-pylon cont.	15	FACU
pitch pine	<i>Pinus rigida</i>	2-pylon cont.	15	FACU
red oak	<i>Quercus rubra</i>	2-pylon cont.	15	FACU
black chokeberry	<i>Aronia melanocarpa</i>	2-pylon cont.	15	FAC
highberry	<i>Amyrica pensylvanica</i>	2-pylon cont.	15	FAC
staghorn sumac	<i>Rhus typhina</i>	2-pylon cont.	15	FACU
winged sumac	<i>Rhus copallinum</i>	2-pylon cont.	15	NJ
arrowwood	<i>Viburnum dentatum</i>	2-pylon cont.	15	FAC
beach plum	<i>Prunus maritima</i>	2-pylon cont.	15	UPL



NATIONWIDE GENERAL PERMIT
COMPLIANCE CERTIFICATION
AND REPORT FORM

Permit File Number: NAN-2014-00215-EYA

Permittee: Long Island Railroad-Ronkonkoma Branch

Location: Freshwater wetland and Honeysuckle Pond a tributary to Connetquot River in Town of Islip, Suffolk County, New York

Date Permit Letter Issued: NOV 14 2014

Within 30 days of the completion of the activity authorized by this nationwide general permit and any mitigation required in the verification letter, please sign this certification and return it to the address at the bottom of this form.

Please note that your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with the permit's terms and conditions you are subject to permit suspension, modification or revocation.

I hereby certify that the work authorized by the above referenced nationwide general permit has been completed in accordance with the terms and conditions of said permit, and required mitigation was completed in accordance with the permit conditions.

Signature of Permittee

Date

**FOLD THIS FORM INTO THIRDS, WITH THE BOTTOM THIRD FACING OUTWARD.
TAPE IT TOGETHER AND MAIL TO THE ADDRESS BELOW OR FAX (212) 264-4260.**

**PLACE
STAMP
HERE**

**DEPARTMENT OF THE ARMY
NEW YORK DISTRICT CORPS OF ENGINEERS
JACOB K. JAVITS FEDERAL BUILDING
ATTN: CENAN-OP-RE
NEW YORK, NEW YORK 10278-0090**



December 28, 2012

Hon. Steve Bellone
Suffolk County Executive
H. Lee Dennison Building
100 Veterans Memorial Highway
Hauppauge, NY 11788

Re: Double Track Project – Farmingdale to Ronkonkoma
SEQRA Lead Agency Establishment for Coordinated Review

Dear County Executive Bellone:

The Metropolitan Transportation Authority (“MTA”) Long Island Rail Road (“LIRR”) proposes to implement the double track project (the “Project”) between Farmingdale and Ronkonkoma Stations, along LIRR’s Ronkonkoma Branch. The purpose of this letter is to advise your agency that LIRR proposes to serve as the lead agency for the Project, pursuant to the New York State Environmental Quality Review Action (“SEQRA”) and the SEQRA regulations which appear at 6 N.Y.C.R.R. Part 617.¹ The following is a brief description of the project and an explanation of the process for establishing the lead agency under the SEQRA regulations.

Double Track Project

Planning for two electrified tracks dates back to the 1980s, when LIRR electrified its Main Line branch to Ronkonkoma consisting of a single track. At that time, where funding permitted, several short segments of double track were constructed, totaling 5.3 miles, along the 17.9 mile main line corridor between Farmingdale and Ronkonkoma. LIRR now proposes to connect those segments by constructing 12.6 miles of electrified second track. LIRR holds a right-of-way over all of the property on which this proposed second track would be placed; and therefore, it is not anticipated that any permanent real property acquisition would be required in connection with the Project. During construction the LIRR may require temporary construction easements. The double track would enable LIRR to maintain, improve, and expand service in Suffolk County.

¹ LIRR’s proposal to serve as lead agency and to conduct an environmental review of the Project under SEQRA does not waive or foreclose the potential applicability of the SEQRA exemption in Section 1266 of the new York Public Authorities Law, which applies to projects constructed on or adjacent to property used for a transportation purpose. The applicability of this provision will be considered during the course of the environmental review.

The proposed action would consist of the construction of 12.6 miles of second track linking the existing portions of double track in order to provide a double track along the entire 17.9 mile corridor between the Farmingdale and Ronkonkoma LIRR Stations. Construction for the Project would require grading and filling adjacent to the existing single LIRR track, constructing retaining walls, vegetation removal, work within wetland and parkland areas, utility relocation, fencing, and construction of a second track over 12.6 miles including at existing grade crossings. In addition, related railroad infrastructure improvement work for the project would involve: railroad track, third rail, ties, switches, cable, signal equipment, utility poles, and other items needed to support railroad operations.

Lead Agency Establishment

LIRR has determined that, assuming the project is subject to SEQRA, this action would constitute a Type I action under the SEQRA regulations. This action may require approvals by the New York State Department of Transportation (“DOT”), New York State Department of Environmental Conservation (“DEC”), Town of Islip, Town of Babylon, Town of Brookhaven and possibly other agencies including the New York State Department of Parks, Recreation and Historic Preservation and Suffolk County. The action will be assessed through a coordinated environmental review in accordance with the SEQRA regulations. LIRR believes that as the agency “principally responsible for undertaking” this action, it should assume the role of lead agency. Accordingly, LIRR is transmitting the enclosed Part 1 Environmental Assessment Form (“EAF”) for this action to you as the responsible official of an “involved agency.” See 6 N.Y.C.R.R. Section 617.6(a)(2).

The SEQRA regulations require that a lead agency responsible for the environmental review of the project must be agreed upon by the involved agencies within 30 calendar days of the date that you receive the EAF. Please review the enclosed materials and advise, in writing, if you have any objection to LIRR serving as lead agency. In the event that none of the agencies receiving this letter objects to LIRR’s assumption of the lead agency role in connection with this action within 30 days, LIRR will assume the role of lead agency for the Project.

The LIRR welcomes the opportunity to move this Project forward since the economic, community and operational benefits of a Double Track are enormous for our region. Attached for your reference is a list of agency representatives receiving this correspondence. Please feel free to contact my office at 718-558-8252 if you have any questions.

Sincerely,



Helena E. Williams
President

Enclosures

cc: Elisa Picca, LIRR
Richard Gans, LIRR



December 28, 2012

Commissioner Greg Dawson
Suffolk County Parks Dept.
PO Box 144
Montauk Highway
West Sayville, NY 11796

Re: Double Track Project – Farmingdale to Ronkonkoma
SEQRA Lead Agency Establishment for Coordinated Review

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Helena E. Williams
President

Enclosures

cc: Elisa Picca, LIRR
Richard Gans, LIRR



December 28, 2012

Gilbert Anderson, PE
Commissioner, Suffolk County DPW
335 Yaphank Avenue
Yaphank, NY 11980

Re: Double Track Project – Farmingdale to Ronkonkoma
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Sincerely,



Helena E. Williams
President

Enclosures

cc: Elisa Picca, LIRR
Richard Gans, LIRR



AECOM

A Joint Venture

225 Park Avenue South
New York, NY 10003

212.777.4400 tel
212.873.6533 fax

605 Third Avenue
New York, NY 10158

212.973.2800 tel
212.972.0682 fax

December 4, 2012

Greg Dawson, Commissioner
Suffolk County Department of
Parks, Recreation and Conservation
P.O. Box 144
West Sayville, NY 11796

Subject: LIRR New Second Track on the Main Line Ronkonkoma Branch Project

Dear Mr. Dawson:

The STV/AECOM Joint Venture (the JV) is presently under contract to prepare State Environmental Quality Review Act (SEQRA) documentation for the Long Island Rail Road (LIRR) New Second Track on the Main Line Project. The proposed action involves the construction of infrastructure improvements on the LIRR Ronkonkoma Branch from just west of Ronkonkoma Station to just east of Farmingdale Station, within the Towns of Brookhaven, Islip, and Babylon and the Village of Islandia, in Suffolk County, New York. The proposed action will include construction of segments of new electrified track to form a continuous second track and other ancillary facilities.

A portion of the New Second Track on the Main Line Project will involve construction adjacent to Lakeland County Park. The project will require construction of retaining walls to widen the track embankment, extension of the existing drainage culvert of the Connetquot River under the LIRR right-of-way, improvements in the vicinity of the pedestrian underpass between the county and state parklands, and associated LIRR track and signal infrastructure work. To further support investigation into potential parkland impacts, the JV respectfully requests a meeting with the Suffolk County Department Parks, Recreation and Conservation personnel familiar with the Lakeland County Park Facility.

We are interested in information on the following:

1. History of the Lakeland County Park.
2. Funding sources for Lakeland County Park land acquisition(s) and improvements.
3. Boundary Survey.
4. 2012 Daily Usage and Hours of Operation.
5. Planned Improvements.

A member of the JV team will be contacting your agency over the next few weeks in order to follow up in moving this project forward. If you are not the appropriate contact, please contact us to provide us with the name and contact information of the most appropriate person (or persons) to contact in your agency.

Thank you in advance for your cooperation and assistance. We look forward to receiving any information you can provide us and to future coordination with your office. If you have any questions or need further information, please contact me at (212) 614-7666 or Robert Oggeri, P.E. – LIRR SR. Project Manager at (718) 558-3826.

Very truly yours,

Christopher M. Kaiser, P.E.
Senior Associate/Project Manager



100

AECOM

A Joint Venture

225 Park Avenue South
New York, NY 10003

212 777 4400 tel
212 673 5533 fax

605 Third Avenue
New York, NY 10158

212 973 2900 tel
212 972.0082 fax

October 25, 2012

Suffolk County Department of Public Works
335 Yaphank Avenue
Yaphank, NY 11980

Attn: Gilbert Anderson, P.E., Commissioner

Subject: LIRR New Second Track on the Main Line Ronkonkoma Branch Project

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To further support investigation into potential traffic and safety impacts, the JV respectfully requests that the Suffolk County Department of Public Works provide us with any existing plans, including roadway and traffic signal plans, and current signal timing plans for those intersections in the attachment under county jurisdiction. Signal timing plans under normal operations as well as under pre-emption (gate-down) conditions are required for traffic modeling purposes. In addition, please provide information (e.g., design drawings), for any planned improvements at these intersections.

A member of the JV team will be contacting your agency/organization over the next few weeks in order to follow up in moving this project forward. If you are not the appropriate contact, please contact us to provide us with the name and contact information of the most appropriate person (or persons) to contact in your agency.

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Very truly yours,

Christopher M. Kaiser, PE
Senior Associate/Project Manager

Attachment

Study Intersections

1. New Highway at Conklin Street
2. Wellwood Avenue / Pinelawn Road (CR 3) at Conklin Street
3. Wellwood Avenue / Pinelawn Road (CR 3) at Long Island Avenue
4. Little East Neck Road (CR 95) at Long Island Avenue
5. Straight Path (CR 2) at Acorn Street
6. Straight Path (CR 2) at Long Island Avenue
7. Carl's Straight Path at Long Island Avenue
8. Commack Road (CR 4) at Long Island Avenue
9. Executive Drive at Pineaire Drive
10. Fifth Avenue (CR 13) at Pineaire Drive
11. Fifth Avenue (CR 13) at Suffolk Avenue (CR 100)
12. Brentwood Road at Suffolk Avenue (CR 100)
13. Islip Avenue (Route 111) at Suffolk Avenue (CR 100)
14. Islip Avenue (Route 111) at Brightside Avenue
15. N. Peters Boulevard at Suffolk Avenue (CR 100)
16. Carleton Avenue / Wheeler Road (CR 17) at Suffolk Avenue (CR 100)
17. Lowell Avenue at Suffolk Avenue (CR 100)
18. Lowell Avenue at Central Islip Station across Driveway – Spruce Street
19. Ocean Avenue (CR 93) at Easton Street
20. Pond Road at Easton Street

TECHNICAL MEMORANDUM

TO: Andrea Rosenthal, Parsons Brinckerhoff

CC: Diah Elmaddah, Parsons Brinckerhoff

PROJ. NAME: Long Island Railroad New Mainline 2nd Track
Ronkonkoma Branch, Phase I

RE: Conceptual Mitigation Plan

DATE PREPARED: September 26, 2014

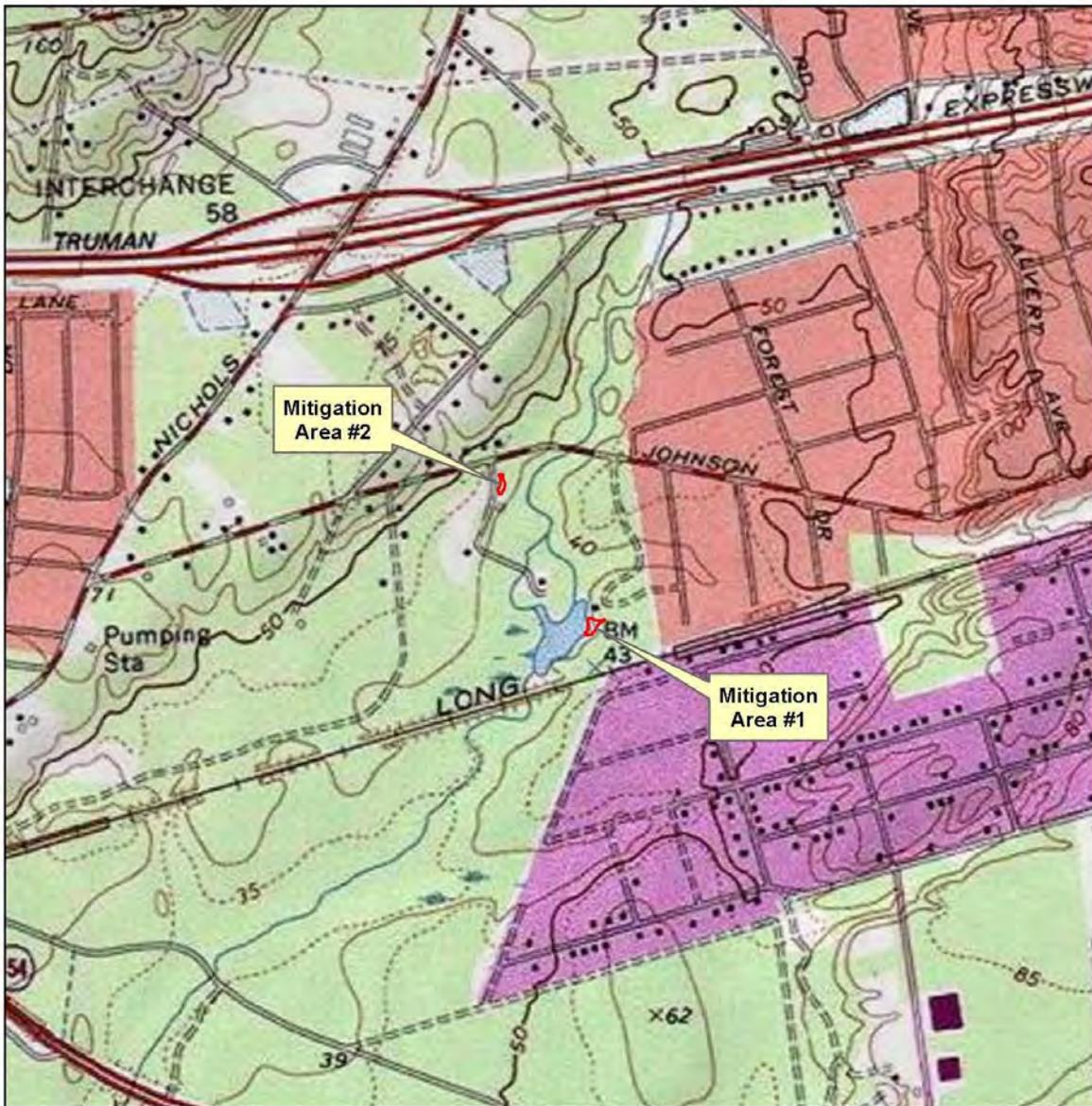
PREPARED BY: Craig Metzgar, *Project Manager*

Amy S. Greene Environmental Consultants, Inc (ASGECI) has prepared this conceptual submittal in order to fulfill the requirements for compensatory wetland mitigation associated with the Long Island Railroad expansion project between Ronkonkoma and Farmingdale, Suffolk County, NY. The proposed mitigation project is intended to offset all permanent wetland disturbances associated with the permitted project. Wetland impacts are being regulated by the New York State Department of Environmental Conservation (NYSDEC) and the United States Army Corps of Engineers (USACE). The potential areas of impact to wetlands are within the northern side of the ROW near Connetquot Brook. The proposed project would necessitate permanent impact to approximately 0.14 acre of freshwater wetlands within the ROW in order to construct the necessary retaining wall and culvert extension.

The proposed mitigation sites are located within the Lakeland County Park, in the Town of Islip, Suffolk County, NY. The property is owned by Suffolk County and managed by the Department of Parks, Recreation and Conservation. The proposed compensatory mitigation contains two (2) separate areas within the Park (Figure 1).

The first proposed mitigation area (Area 1) consists of a disturbed “beach” area along Honeysuckle Pond. The 0.16 acre area is predominantly void of vegetation and consists of a sandy substrate, scattered with debris. Evidence of irresponsible human activity has been noted within the proposed mitigation area and can be contributed to the overall disturbed condition. Other disturbance can be contributed to the presence of Canada geese, which use this open area frequently, eating all herbaceous vegetation and defecating throughout.

The second proposed mitigation area (Area 2) consists of a maintained lawn area adjacent to an existing wetland complex near the Lakeland County Park main entrance. Area 2 contains approximately 0.10 acres of wetland creation along with 0.09 acres of wetland buffer enhancement. Photographs of the mitigation areas and surrounding lands are enclosed.



Legend

 Site Location

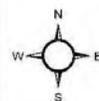


Sources:
 TOPOI 1:24,000-scale maps of the United States. The TOPOI maps are seamless, scanned images of United States Geological Survey (USGS) paper topographic maps. For more information on this map, visit us online at http://goto.arcgisonline.com/maps/USA_Topo_Maps

Figure 1
 USGS Topographic Map

LIRR Double Track Project Mitigation
 Parcel ID # 0504019000100001000
 Lake Ronkonkoma, Town of Islip
 Suffolk County, New York

ASGECI Project # 3719



1,000



Feet

 AMY S. GREENE
 ENVIRONMENTAL
 CONSULTANTS.

The proposed mitigation project includes a component of out-of-kind mitigation in the form of adjacent area enhancement and the construction of a boardwalk as well as offsite wetland mitigation at a 1:1 ratio. The proposed project is intended to offset wetland disturbances and temporal loss of wetland functions and values associated with implementation of the LIRR Project. The goals of the proposed mitigation project are:

- ✂ Enhance 0.05 acres of palustrine scrub shrub wetlands;
- ✂ Create 0.10 acres of palustrine scrub shrub wetlands;
- ✂ Enhance 0.20 acres of forested adjacent areas;
- ✂ Create a diversity of wildlife habitat within the mitigation site by enhancing wetlands and installing wildlife habitat features; and
- ✂ Restore ecological functions to existing disturbed wetlands;
- ✂ Promote responsible public access and use to Honeysuckle Pond by extending a wooden boardwalk and pier.

The mitigation sites are particularly well suited to meet the goals stated above due to the proximity to existing natural wetland areas and proximity to the LIRR project wetland impacts. Since the existing conditions of the mitigation area are currently either highly disturbed or maintained, protection and landscaping of the proposed mitigation area will serve as an enhancement to the existing conditions. Based upon the proposed mitigation design, wetland and adjacent area functions and values within the Park property will be enhanced.

The mitigation areas will be stabilized by seeding with a wetland mix consisting of annual ryegrass (*Lolium multiflorum*), fox sedge (*Carex vulpinoidea*), giant burreed (*Sparganium eurycarpum*), lurid sedge (*Carex lurida*), squarrose sedge (*Carex squarrosa*), green bulrush (*Scirpus atrovirens*), blue vervain (*Verbena hastata*), cosmos sedge (*Carex comosa*), nodding sedge (*Carex crinita*), purple stemmed aster (*Aster puniceus*), joe pye weed (*Eupatorium fistulosum*), boneset (*Eupatorium perfoliatum*), blue flag (*Iris versicolor*), monkeyflower (*Mimulus ringens*), swamp milkweed (*Asclepias incarnata*), three-way sedge (*Dulichium arundinaceum*), rough-leaved goldenrod (*Solidago patula*) and blue lobelia (*Lobelia siphilitica*). The wetland enhancement and creation areas will be planted with a combination of containerized trees and shrubs. A combination of aggressive native shrubs (6 ft. on-center) and herbaceous plugs (2-3 ft. on-center) species including summersweet (*Clethra alnifolia*), winterberry (*Ilex verticillata*), red chokeberry (*Aronia arbutifolia*), arrowwood (*Viburnum dentatum*), silky dogwood (*Cornus amomum*), buttonbush (*Cephalanthus occidentalis*), smooth alder (*Alnus serrulata*), elderberry (*Sambucus canadensis*) will be planted throughout the mitigation areas. Herbaceous plugs consisting of blueflag iris (*Iris versicolor*), tussock sedge (*Carex stricta*), swamp milkweed, rose mallow (*Hibiscus moscheutos*) and cardinal flower (*Lobelia cardinalis*) will also be incorporated throughout the plantings.

The adjacent area will be stabilized using upland seed mix consisting of a warm season grass and wildflower mixture containing species such as switchgrass (*Panicum virgatum*), little bluestem (*Andropogon scoparius*), big bluestem (*Andropogon gerardii*), Indian grass (*Sorghastrum nutans*), black-eyed susan (*Rudbeckia hirta*), purple coneflower (*Echinacea purpurea*), seaside goldenrod (*Solidago sempervirens*) and other grasses and forbs. The Area 2 adjacent area will be planted with native shrubs (6 ft. on-center) including pitch pine (*Pinus rigida*), red oak (*Quercus rubra*), blackjack oak (*Quercus marilandica*), bayberry (*Myrica pennsylvanica*), sumac (*Rhus* sp.) arrowwood (*Viburnum dentatum*) and beach plum (*Prunus maritima*). The adjacent/buffer area of Area2 will be planted with flowering shrubs such as sweet pepperbush, arrowwood, black chokeberry (*Aronia melanocarpa*), and meadowsweet (*Spirea latifolia*)

Implementation of the mitigation project will result in enhanced wildlife habitat values. The proposed project will result in the enhancement of 0.33 acres of wetland and adjacent area habitat. Existing disturbance to the mitigation area will be controlled during the implementation and monitoring period in accordance with the adaptive management protocols.

In addition to the ecological benefits, the proposed mitigation project will incorporate an extension of a wooden pedestrian boardwalk from an existing boardwalk, along Honeysuckle Pond. The boardwalk is proposed to extend 220 feet and provide public access to portions of the pond. The boardwalk will have multiple benefits including the enhancement of public access to Honeysuckle Pond and the isolation of public access onto natural habitats. The boardwalk will help promote and showcase the proposed mitigation project as well.

A conceptual mitigation plan has been prepared, showing a detailed seed and plant schedule and showing the approximate locations of the restoration activities. The conceptual mitigation plan is enclosed.

Enclosure



PHOTO #1: View west from proposed mitigation site (Area 1) showing Honeysuckle pond.



PHOTO #2: View showing existing conditions within the proposed mitigation Area 1.



PHOTO #3: View south near the southern border of the wetland mitigation Area 1 showing a natural pond edge transition.



PHOTO #4: View south from northern portion of the mitigation Area 1 showing overall disturbance and debris.



PHOTO #5: View north showing existing boardwalk structure within mitigation Area 1 which is nonfunctional.



PHOTO #6: View of reference wetland within surrounding areas of Honeysuckle Pond.



PHOTO #7: View north showing proposed Area 2 showing existing maintained conditions.



PHOTO #8: View possible source of hydrology nearby the proposed Area 2.

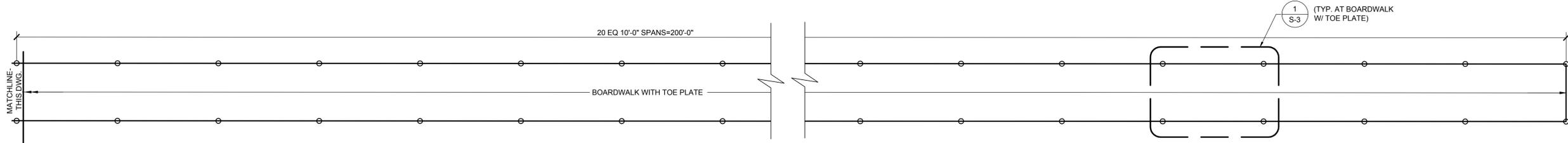
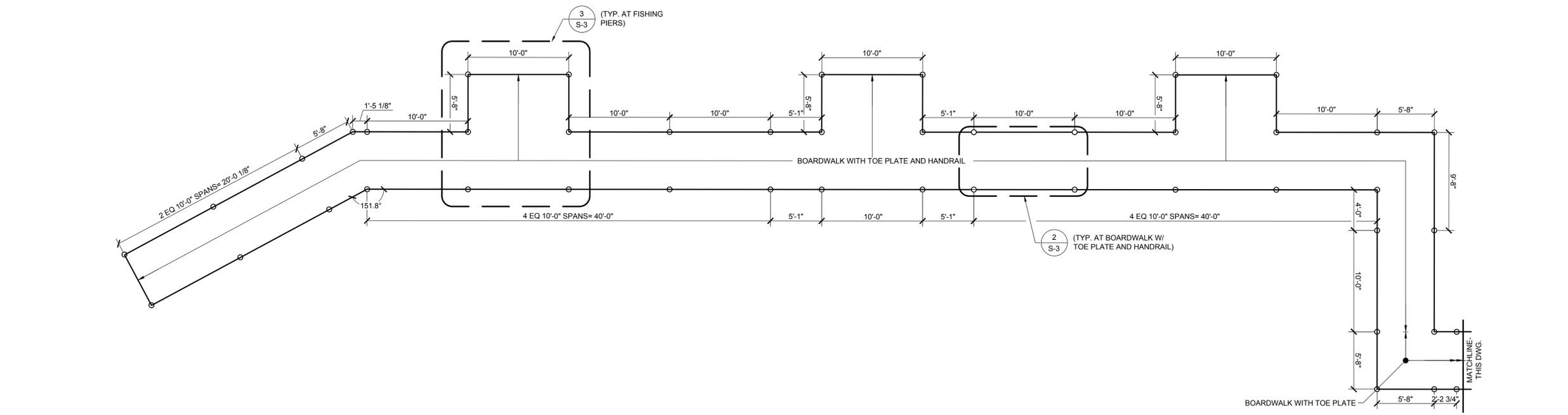


PHOTO #9: View south of maintained lawn area proposed as wetland mitigation Area 2.



PHOTO #10: View of reference wetland adjacent to proposed mitigation Area 2.

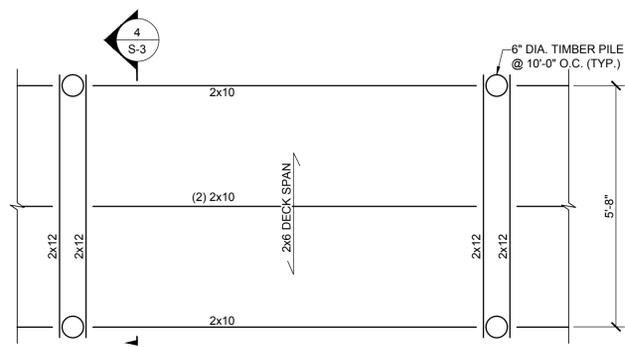
VERIFIED BY: _____ DATE: _____
 NAME: _____ SIGNATURE: _____
 BACKCHECKED BY: _____ DATE: _____
 NAME: _____ SIGNATURE: _____
 CHECKED BY: _____ DATE: _____
 NAME: _____ SIGNATURE: _____
 ORIGINATED BY: _____ DATE: _____
 NAME: _____ SIGNATURE: _____



LAYOUT PLAN
3/16"=1'-0"

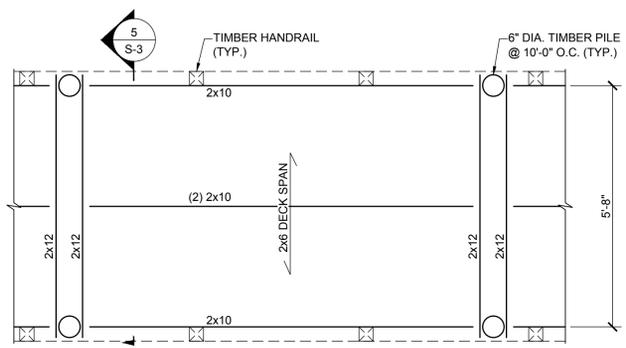
DISCLAIMER					REGISTERED ENGINEER	DESIGNED N. CRUDEN	 PARSONS BRINCKERHOFF Engineering and Land Surveying, P.C. <small>1533 Crescent Road - Clifton Park, NY 12065</small>		NEW MAIN LINE SECOND TRACK	PHASE	CONTRACT NUMBER	
REVISIONS					DATE:	CHECKED C. DOOLEY			WETLAND MITIGATION BOARDWALK LAYOUT PLAN	SCALE: AS SHOWN	DATE: 07-08-14	6119
NO.	DATE	MODIFICATION	DRAWN	CHKD.	APPRVD.	APPROVED M. PANICHELLI			DESIGN BUILD PACKAGE	DRAWING NUMBER	S-2	
									SHEET	OF	261	

VERIFIED BY: _____ DATE: _____
 NAME: _____ SIGNATURE: _____
 BACKCHECKED BY: _____ DATE: _____
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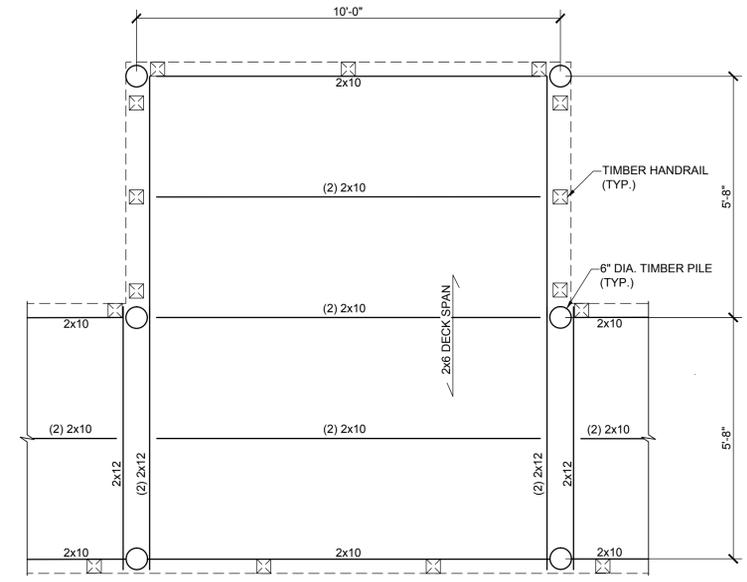
NOTE:
 1. PROVIDE 2x6 TOE PLATE AT SIDES OF BOARDWALK.

1 ENLARGED FRAMING PLAN
 SCALE: 1/2"=1'-0"

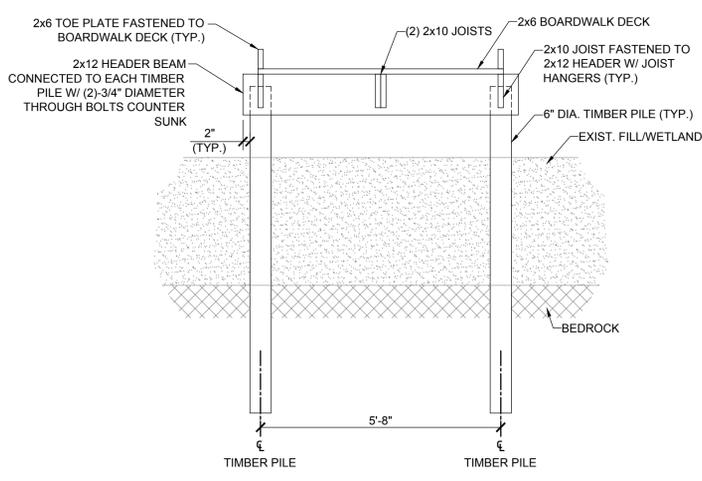


NOTE:
 1. PROVIDE 2x6 TOE PLATE AT SIDES OF BOARDWALK.
 2. PROVIDE HANDRAIL WITH 2x8 TOP RAIL @ 42" AND 2x8 MIDRAIL.

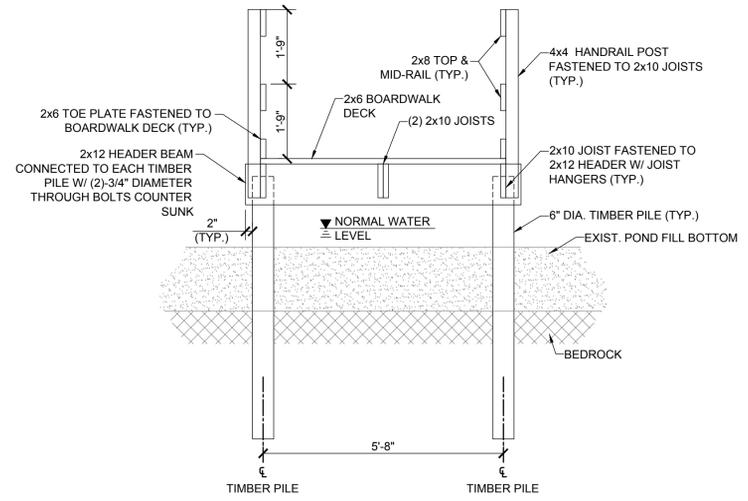
2 ENLARGED FRAMING PLAN
 SCALE: 1/2"=1'-0"



3 ENLARGED FRAMING PLAN
 SCALE: 1/2"=1'-0"



4 SECTION @ BOARDWALK FRAMING
 SCALE: 1/2"=1'-0"



5 SECTION @ BOARDWALK FRAMING
 SCALE: 1/2"=1'-0"

DISCLAIMER					
REGISTERED ENGINEER					
DESIGNED N. CRUDEN					
DRAWN S. PUZIER					
CHECKED C. DOOLEY					
APPROVED M. PANICHELLI					
DATE: _____					
NO.	DATE	MODIFICATION	DRAWN	CHKD.	APPRVD.
REVISIONS					

REGISTERED ENGINEER

DESIGNED N. CRUDEN
 DRAWN S. PUZIER
 CHECKED C. DOOLEY
 APPROVED M. PANICHELLI



NEW MAIN LINE SECOND TRACK
 WETLAND MITIGATION BOARDWALK LAYOUT AND ENLARGED FRAMING PLANS
 DESIGN BUILD PACKAGE

PHASE	CONTRACT NUMBER
AS SHOWN	6119
SCALE:	DATE:
AS SHOWN	07-08-14
DRAWING NUMBER	S-3
SHEET	OF
261	261



October 16, 2014 (REVISED)

RE: LIRR 2nd Track – Wetland Mitigation Walkway
Pier and Boardwalk Structural Narrative

Structural Narrative

The approximately 345'-0" long by 5'-8" wide pedestrian boardwalk will be constructed utilizing waterborne pressure-treated timber. The boardwalk will extend over the Honeysuckle Pond and include three (3) 10'-0" wide by 5'-8" long fishing piers.

The boardwalk and fishing piers will be constructed of 2x6 decking spanning between 2x10 joists spaced at approximately 2'-4" on center. The center joist will consist of a double 2x10 joist. The joists will frame into 2x12 headers that will be connected to each side of timber piles. 6 inch diameter timber piles spaced at 10'-0" on center will support the boardwalk. The fishing pier framing will be similar to that of the boardwalk. A timber handrail with top and mid rail will be provided at the portion of the boardwalk over the pond and elevated portions of the boardwalk. A toe plate will be provided along the remaining length of the boardwalk structure.