

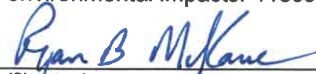
CATEGORICAL EXCLUSION CHECK LIST

FOR 23 CFR 771.117(c) ACTIONS
Wisconsin Department of Transportation
Revised July 2015

WisDOT Design and Construction IDs 8357-01-02/72		Federal Project IDs (if available)	Legal Description (Township, Range, Section) T51N, R4W, Section 4, & T52N, R4W, Section 33 & 32	County Bayfield
Project Name T Russell, Little Sand Bay Road			Project Termini/ Location Old CTH K - Termini	
Name of Route or Facility to be Improved Little Sand Bay Road		Facility Classification Minor Collector	Improvement Type Resurfacing/Minor Reconditioning	
Estimated Project Cost in Year of Expenditure \$ (include R/W Cost) \$850,000, includes E&C and R/W, 2017			Funding Source(s) (check all that apply) <input type="checkbox"/> State <input checked="" type="checkbox"/> Federal <input checked="" type="checkbox"/> Local	
23 CFR 771.117(c) Project Type Number and Text 23 – Federally-funded projects: (i) that receive less than \$5,179,656.40 of Federal Funds				
Section 4(f) <input checked="" type="checkbox"/> None <input type="checkbox"/> De Minimis <input type="checkbox"/> Bikeway/ Walkway <input type="checkbox"/> Minor Park/ Rec <input type="checkbox"/> Minor Historic <input type="checkbox"/> Historic Bridge <input type="checkbox"/> Net Benefit <input type="checkbox"/> Exception				
Right of Way Acquisition 0.41 Total Acres Fee Simple Acres 0.41 Permanent Easement Acres Temporary Easement Acres				
Number of Buildings Acquired <input checked="" type="checkbox"/> None Vacant Buildings Occupied Buildings				
Name of Individual/ Firm Preparing this Form Erik Meyer/Westbrook Associated Engineers, Inc.		CE Preparation Date 9-12-2016	Environmental Process Start Date 8-18-2015	

WisDOT Region Environmental Coordinator or Local Program Management Consultant

I certify that I meet the requirements for staff who review and recommend approval of Categorical Exclusion (CE) actions, specified in the FHWA – WisDOT CE Agreement. I further certify that I have reviewed this document, and agree with the determination that the proposed project and resultant impacts meet the definition of a CE as described in 23 CFR 771.117(a) & (b), and will not result in significant environmental impacts. I recommend this CE for approval.



(Signature)

Ryan McKane, P.E.

(Print Name)

2/20/2017

(Date)

WisDOT Region, Central Office, or Local Program Project Manager

I certify that I am familiar with this proposed project and its impacts and that the information contained in this document is accurate and can be relied upon for documentation decisions. I further certify that the mitigation measures and commitments proposed herein will be incorporated into the project plans and contract documents. I approve this CE.

(Signature)

Jeff Olson, P.E.

(Print Name)

(Date)

A determination that this project satisfies the criteria for an FHWA (c)-listed Categorical Exclusion (CE) does not relieve the applicant of the requirement to comply with other laws and regulations including, but not limited to, Section 404 of the Clean Water Act, Section 7 of the Endangered Species Act, Section 106 of the National Historic Preservation Act, and Section 4(f) of the US Department of Transportation Act. Coordination to comply with these other laws may require FHWA involvement. Furthermore, designation of this project as a (c)-listed CE does not relieve the requirement for WisDOT to coordinate with WDNR under the Cooperative Agreement. Any correspondence or documentation used to comply with Federal, State, or Local laws or regulations should be maintained in the project file and provided with this checklist upon request.

I. Proposed (c)-list Categorical Exclusion – Insert the number and text of the applicable FHWA (c)-list CE from 23 CFR 771.117(c). Updated copies of the FHWA CE regulations are available on the [US Government Printing Office Website](#).

23) Federally-funded projects:

(i) That receive less than \$5,179,656.40 of Federal funds

☒ Project is not being processed as a (c)(26), (c)(27), or (c)(28) project

Projects proposed for approval as (c)(26), (c)(27), or (c)(28) actions must not include any of the conditions specified in 23 CFR 771.117(e). Check all boxes that apply to the proposed project. If any boxes are checked, the project cannot be documented with this checklist. Instead, process it with a PCE if it meets the criteria in Section VII of the FHWA – WisDOT CE Agreement. If the action is disqualified by the Section VII criteria, prepare an ER, EA, or EIS, as applicable.

23 CFR 771.117(e) Actions described in (c)(26), (c)(27), and (c)(28) of this section may not be processed as CEs under paragraph (c) if they involve:

- ☐ (1) An acquisition of more than a minor amount of right-of-way or that would result in any residential or non-residential displacements
**In Wisconsin, a minor amount of right-of-way is defined as fee or PLE acquisition ≤ 1 acre/ mile on average for (c)(26) actions and ≤ 0.5 acre total for (c)(27)&(28) actions.*
- ☐ (2) An action that needs a bridge permit from the US Coast Guard
- ☐ (2) An action that does not meet the terms and conditions of a US Army Corps of Engineers nationwide or general permit under Section 404 of the Clean Water Act and/or section 10 of the Rivers and Harbors Act of 1899
- ☐ (3) A finding of "adverse effect" to historic properties under the National Historic Preservation Act
- ☐ (3) The use of a resource protected under 23 USC 138 or 49 USC 303 (Section 4(f)) except for actions resulting in *de minimis* impacts
**If a project includes a 4(f) de minimis determination or programmatic evaluation, the 4(f) documentation must be submitted to FHWA for review and approval before final approval of this CE.*
- ☐ (3) A finding of "may affect, likely to adversely affect" threatened or endangered species or critical habitat under the Endangered Species Act
- ☐ (4) Construction of temporary access, or the closure of existing road, bridge, or ramps, that would result in major traffic disruptions
**In Wisconsin, projects resulting in major traffic disruptions are those that require a Transportation Management Plan Type 3 or Type 4, as defined in FDM 11-50-5.*
- ☐ (5) Changes in access control
**In Wisconsin, changes in access control are any changes beyond minor longitudinal shifts in existing access. Creation of new access, removal of existing access, or substantial shifts in existing access disqualifies a project from using this checklist.*
- ☐ (6) A floodplain encroachment other than functionally dependent uses (e.g., bridges, wetlands) or actions that facilitate open space use (e.g., recreation trails, bicycle and pedestrian paths); construction activities in, across or adjacent to a river component designated or proposed for inclusion in the National System of Wild and Scenic Rivers

II. Description of Proposed Action – Provide a concise project description below, including the project purpose and need and scope of work. Attach a project location map and other appropriate exhibits (existing and proposed typical sections, etc.). The description must be consistent with the specific CE listed in Section I, above.

Project Location and Existing Facility

Little Sand Bay Road is located in the Town of Russell in Bayfield County, Wisconsin. The project limits begin at the intersection of Little Sand Bay Road and Old County Highway K and ends at the Termini of Little Sand Bay Road. Little Sand Bay Road is a rural north/south roadway that is classified as a Minor Collector and is not located on the NHS or Long Truck route. The project limits begin at station 100+16.08 and end at station 239+06.45 for a total project length of 2.631 miles. The existing speed limit is 40 mph from the intersection of Old CTH K to Sta. 217+00, 25 mph from Sta. 217+00 to Sta. 231+50, and 15 MPH from Sta. 231+50 to Termini.

The existing traveled way is a rural, 2 lane roadway with 11 to 12-foot varying travel lanes with 0 to 3-foot varying aggregate shoulders. The existing pavement from Old CTH K to Ridge Road is in poor condition and requires rehabilitation. From Ridge Road to Termini the existing pavement condition is in fair condition.

Lands adjacent to Little Sand Bay Road are mostly residential, with the exception of the campground and NPS Visitor Center located at the Termini. The construction funds for this project have been approved in the 2017-2020 STIP.

Purpose

The purpose of the project is to widen the existing roadway from Old CTH K, Sta. 100+16.08 to Termini, Sta. 238+94.47, and improve the surface condition of Little Sand Bay Road from Old CTH K, Sta. 100+16.08, to Ridge Road, Sta. 155+33.29.

Need

The need for the project is to improve roadway conditions by replacing the existing surface from Old CTH K, Sta. 100+16.08, to Ridge Road, Sta. 155+33.29 and widening the traveled way width through the entire project length. The existing pavement from Old CTH K to Ridge Road is in poor condition and requires rehabilitation. From Ridge Road to Termini the existing pavement structure is in fair condition. Little Sand Bay Road is the main access road to Little Sand Bay Campground and NPS (AINLS) Visitor Center which is a popular recreation area. During the summer months travel conditions can become unsafe when two larger vehicles, such as campers, pass one another due to the narrow traveled way and lack of shoulders.

Alternatives

No Build:

This alternative consists of maintaining the existing facility with no improvements other than continued routine maintenance.

This alternative would result in increasing roadway maintenance costs as well as not addressing any of the safety concerns of the existing roadway. No rehabilitation would be made to the existing roadway; however, maintenance activities would still take place. The poor pavement condition would not be improved and the roadway would continue to not meet the safety needs of drivers.

This alternative is a baseline comparison against the other alternatives considered.

Roadway Reconstruction:

This alternative consists of replacing the existing pavement in full by removing the existing asphaltic pavement and base aggregate. The removed materials would be replaced with new aggregate and HMA and the shoulders widened.

Although this alternative meets the purpose and need, the cost makes it less desirable than the Preferred Alternative which also addresses the purpose and need. For these reasons this action is not proposed.

Roadway Rehabilitation with Shoulder Widening (Preferred Alternative):

The preferred alternative will rehabilitate Little Sand Bay Road from the intersection of Old CTH K, Sta. 100+16.08, to the intersection of Little Sand Bay Road and Ridge Road, Sta. 155+33.29, and widen the shoulders from Ridge Road to Termini, Sta. 239+06.45.

From Old CTH K to Ridge Road, Little Sand Bay Road's existing pavement structure will be pulverized to its full depth. A 2-inch layer of base aggregate will be placed on top of the pulverized material, followed by a 2 1/2-inch asphaltic surface layer. The proposed typical section will consist of 11-foot driving lanes, 3-foot paved shoulders and 0.5 foot gravel shoulders. From Ridge Road to Termini, the existing asphaltic driving surface will remain and the shoulders will be widened. The shoulders will consist of a 3-foot paved shoulder and 0.5-foot gravel shoulder. In addition, two culvert pipes will be replaced.

The project is 2.631 miles long and the proposed horizontal and vertical alignments will match existing.

Description of Proposed Action

The proposed action is to pulverize Little Sand Bay Road to its full depth from Old CTH K to Ridge Road and widen the shoulder of the existing travel way from Ridge Road to Termini.

The proposed roadway will be rehabilitated as outlined in the Preferred Alternative. The Preferred Alternative will ensure improved safety and provide a more economic future maintenance plan for the Town of Russell.

Roadway improvements for the pulverize and relay section of the project, as seen in Figure 1, includes a 28-foot road width from edge of paved shoulder to edge of paved shoulder. The typical section will include two 11-foot travel lanes bound by 3-foot paved asphaltic shoulders and 6-inch unpaved gravel shoulders.

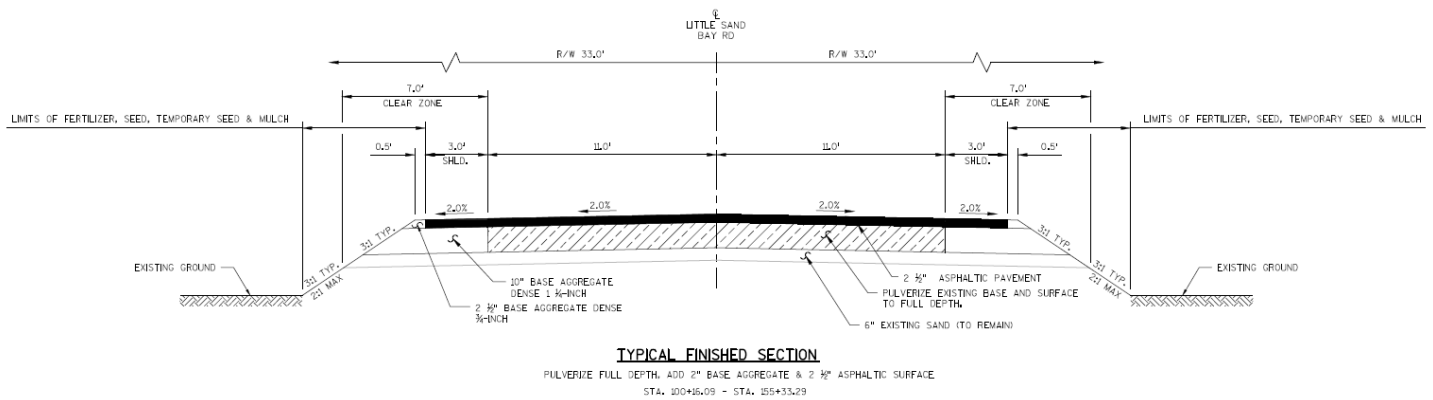


Figure 1 - Typical Finished Section Sta. 100+16.08 - Sta. 155+33.29

Roadway improvements for the shoulder widening section of the project, as seen in Figure 2, include the addition of 3-foot paved asphaltic shoulders and 6-inch unpaved gravel shoulders to the existing roadway.

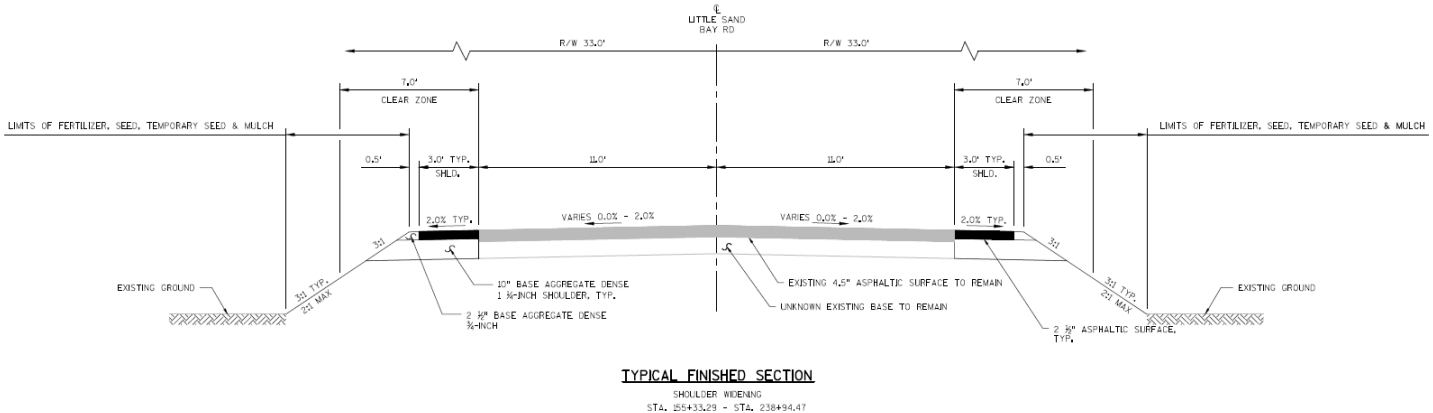


Figure 2 - Typical Finished Section Sta. 155+33.29 - Sta. 239+06.45

Approximately 0.14 acres of wetland are anticipated to be impacted by the proposed project. Side slopes of 3:1 are being used to minimize the potential of wetland impacts. Wetland impacts will be mitigated at a state mitigation site at the appropriate ratio per the DOT Wetland Mitigation Banking Technical Guideline.

Due to the high volume of truck/camper traffic during the summer months, the Town of Russell has requested a proposed speed limit of 35 MPH from Old CTH K to Sta. 217+00.

The existing Right-of-Way is a minimum of 33-feet. The purchase of Right-of-Way is expected to maintain access for culvert maintenance and to maintain vision triangles at the intersection of Old CTH K and Little Sand Bay Road.

The Wisconsin Department of Transportation (WisDOT) is required to provide oversight of the proposed action because federal transportation program dollars are being incorporated into this local project through WisDOT's STP Rural program.

Because of the oversight role, WisDOT invokes its policy to incorporate safe and convenient walking and bicycling accommodations and/or facilities into transportation projects when prudent and feasible.

Department policy (Complete Streets), in conformance with Federal Highway Administration (FHWA) policy, State Statute 84.01(35), Wis Admin. Code and Connection 2030, requires due consideration be given to bicycle and pedestrian accommodations while evaluating all new construction and reconstruction highway projects, funded in whole or in part from state or federal funds.

According to the FHWA Bicycle and Pedestrian Policy Statement: "In rural areas, paved shoulders should be included in all new construction and reconstruction projects on roadways used by more than 1,000 vehicles per day, as in States such as Wisconsin." Although Little Sand Bay Road currently has only 360 vehicles per day, paved shoulders will be provided and can accommodate bicycles. Bicycles will also have the opportunity to share use of this low volume roadway with other vehicles. For pedestrians, the roadway travels through an outlying or rural area where on each side of the roadway within any 1,000 feet along the roadway the buildings fronting thereon average more than 200 feet apart and there is no significant development, based on an official land use plan, within the next 10 years.

Little Sand Bay Road is a part of the Red Cliff-Little Sand Bay bike route listed on the Apostle Islands Area bicycle map. The project termini is located at the Little Sand Bay Campground and National Parks Service Visitor Center. Although the campground and visitor center accommodate camping, fishing, and hiking, it does not generate significant pedestrian and bicycle traffic outside of the campground area.

Construction of Little Sand Bay Road according to the proposed alternative will last approximately 45 working days and will be open to through traffic during construction with lane closures utilizing a flagger.

An Operational Planning Meeting (OPM) was held on December 21, 2015 and a Public Involvement Meeting (PIM) was held on February 9, 2016 to discuss the proposed project. One concern brought up at both meetings was the Bid Letting Date and Construction Date. The Town and NPS would like for the project to be let earlier and for project construction to start by mid-May in order for the majority, if not all, of the construction be completed prior to the summer tourist season. The seasonal traffic increases significantly by mid-June and the Town and NPS will work out the final construction schedule as the project further develops, with the goal of avoiding major work during the tourist season. No other major concerns or issues were brought up at either meeting.

III. Project is a Complete FHWA Action – Check all boxes that apply to the proposed project. To process your project with this checklist, you must be able to check either boxes (1-3) or the last box. If this is not possible, adjust the scope of the project to meet the criteria.

23 CFR 771.111(f) In order to ensure meaningful evaluation of alternatives and to avoid commitments to transportation improvements before they are fully evaluated, the action evaluated shall:

- ☒ (1) Connect logical termini and be of sufficient length to address environmental matters on a broad scope

- ☒ (2) Have independent utility or independent significance, i.e., be usable and be a reasonable expenditure even if no additional transportation improvements in the area are made
- ☒ (3) Not restrict consideration of alternatives for other reasonably foreseeable transportation improvements
- ☐ Project is not an action resulting in construction and does not require compliance with (1-3) above

IV. Categorical Exclusion Definition - Check all boxes that apply to the proposed project. If you are unable to check a box in this section, evaluate the scope of the project and prepare more detailed environmental documentation.

23 CFR 771.117(a) Categorical exclusions (CEs) are actions which, based on past experience with similar actions, do not involve significant environmental impacts. They are actions which:

- ☒ Do not induce significant impacts to planned growth or land use for the area
- ☒ Do not require the relocation of significant numbers of people
- ☒ Do not have a significant impact on any natural, cultural, recreational, historic or other resource
- ☒ Do not involve significant air, noise, or water quality impacts
- ☒ Do not have significant impacts on travel patterns
- ☒ Do not otherwise, either individually or cumulatively, have any significant environmental impacts

V. Unusual Circumstances - Check all boxes that apply to the proposed project. If any boxes in this section are checked, evaluate the scope of the project and coordinate with FHWA regarding the completion of more detailed environmental documentation.

23 CFR 771.117(b) Any action which normally would be classified as a CE but could involve unusual circumstances will require the FHWA, in cooperation with the applicant, to conduct appropriate environmental studies to determine if the CE classification is proper. Such unusual circumstances include:

- ☐ (1) Significant environmental impacts
- ☐ (2) Substantial controversy on environmental grounds
- ☐ (3) Significant impact on properties protected by Section 4(f) of the DOT Act or Section 106 of the National Historic Preservation Act
- ☐ (4) Inconsistencies with any Federal, State, or local law, requirement or administrative determination relating to the environmental aspects of the action
- ☐ Other unusual circumstances not listed in FHWA regulations (describe below)
(In Wisconsin, auxiliary lane and capacity expansion projects that are proposed for processing with this checklist are examples of unique or unusual circumstances and will require consultation with FHWA before proceeding with the project.)

Describe any unique or unusual circumstances and subsequent coordination with FHWA: N/A

VI. Supporting Documentation – List any additional discussion, agency correspondence, or supporting documentation used in this CE determination. Attach this documentation to the checklist and maintain a copy in the project file. Projects with 4(f) *de minimis* determinations or programmatic evaluations will require review by WisDOT Central Office and review and approval by FHWA prior to the approval of this CE.

Exhibit A – Project Location Map

Exhibit B – Preliminary Plans

Exhibit C – Correspondence (WisDNR, Corps of Engineers, Fish & Wildlife Service, Tribal)

Exhibit D – Factor Sheet C7

Exhibit E – Phase I Hazardous Materials Assessment Site Survey

Exhibit F – Approved Section 106

Exhibit G – Wetland Information

VII. Mitigation & Commitments – List any environmental mitigation measures or commitments that will be incorporated into the project. Any items listed below must be incorporated into the project plans and contract documents. *Attach a copy of this page to the design study report (DSR) and the plans, specifications, and estimate (PS&E) submittal package.*

Environmental Factor	Commitment (If none, include 'No special or supplemental commitments required.')
General Economics	No special or supplemental commitments required.
Business	No special or supplemental commitments required.
Agriculture	No special or supplemental commitments required.
Community or Residential	No special or supplemental commitments required.
Indirect Effects	No special or supplemental commitments required.
Cumulative Effects	No special or supplemental commitments required.
Environmental Justice	No special or supplemental commitments required.
Historic Resources	No special or supplemental commitments required.
Archaeological/Burial Sites	No special or supplemental commitments required.
Tribal Coordination/Consultation	Commitments Made. The signed Red Cliff Land Use Permit shall be on site and within view of the nearest public road. The contractor shall send a written notification of the commencement of fieldwork to the appropriate tribal government with a copy of such notification mailed to the Bureau of Indian Affairs, Midwest Regional Office prior to the commencement of such fieldwork. All excavated materials shall be returned as closely as practical to pre-excavation conditions. Vehicular activity shall be restricted to existing roadways and trails. The contractor shall conduct all operations in such a manner as to minimize or prevent environmental damage to all lands or waterways. The construction supervisor will assure the fulfillment of these commitments.
Section 4(f) and 6(f) or Other Unique Areas	No special or supplemental commitments required.
Aesthetics	No special or supplemental commitments required.
Wetlands	Commitments Made. Approximately 0.140 acres of wetland will be impacted. The wetland impacts will be mitigated at a state mitigation site at the appropriate ratio per the DOT Wetland Mitigation Banking Technical Guideline. The Regional Environmental Coordinator and construction supervisor will assure fulfillment of this commitment. Commitment will be in the special provisions.

Rivers, Streams and Floodplains	<p>Commitments Made. The contractor shall replace the culvert on the unnamed tributary to Lake Superior between June 15th and March 1st. This is a warm water fishery and this needs to be done in order to protect developing fish eggs and substrate for aquatic organisms. The invert elevations of the culvert pipe shall be set an adequate distance below the natural streambed as to allow for natural streambed sediment to occupy the bottom of the culvert pipe. The width and depth of the unnamed tributary shall not be altered. However, a minor amount of dredging necessary to place the structure elements is permissible. Adequate precautions should be taken to prevent transporting or introducing invasive species via construction equipment, as provided under chapter NR 40 Wis. Adm. Code. Any equipment coming into contact with surface waters must be properly cleaned and disinfected to address the spread of invasive species and viruses in accordance to STSP 107-055. The construction supervisor will assure fulfillment of this commitment. Commitments will be recorded in the special provisions.</p>
Lakes or other Open Water	No special or supplemental commitments required.
Groundwater, Wells and Springs	No special or supplemental commitments required.
Upland Wildlife and Habitat	No special or supplemental commitments required.
Coastal Zones	No special or supplemental commitments required.
Threatened and Endangered Species	No special or supplemental commitments required.
Air Quality	No special or supplemental commitments required.
Construction Stage Sound Quality	No special or supplemental commitments required.
Traffic Noise	No special or supplemental commitments required.
Hazardous Substances or Contamination	No special or supplemental commitments required.
Storm Water	No special or supplemental commitments required.
Erosion Control	<p>Commitments Made. Standard WisDOT measures for erosion control and precautions during construction will be implemented according to the Wisconsin Standard Specifications for Highway and Structure Construction. Construction site erosion and sediment control procedures will be followed as set forth in TRANS 401 and the WisDOT/WDNR Cooperative Agreement. If erosion mat is used along stream banks, DNR recommends that biodegradable non-netted mat be used. No erosion mat is anticipated with this project. The contractor should restrict the removal of vegetative cover and exposure of bare ground to the minimum amounts necessary to complete construction. Restoration of disturbed soils should take place as soon as conditions permit. The construction supervisor will assure fulfillment of these commitments. These commitments will be recorded in the notes to construction.</p>
Other	No special or supplemental commitments required.

EXHIBIT A

PROJECT LOCATION MAP

Little Sand Bay Road,
Town of Russell,
Bayfield County

BAYFIELD COUNTY

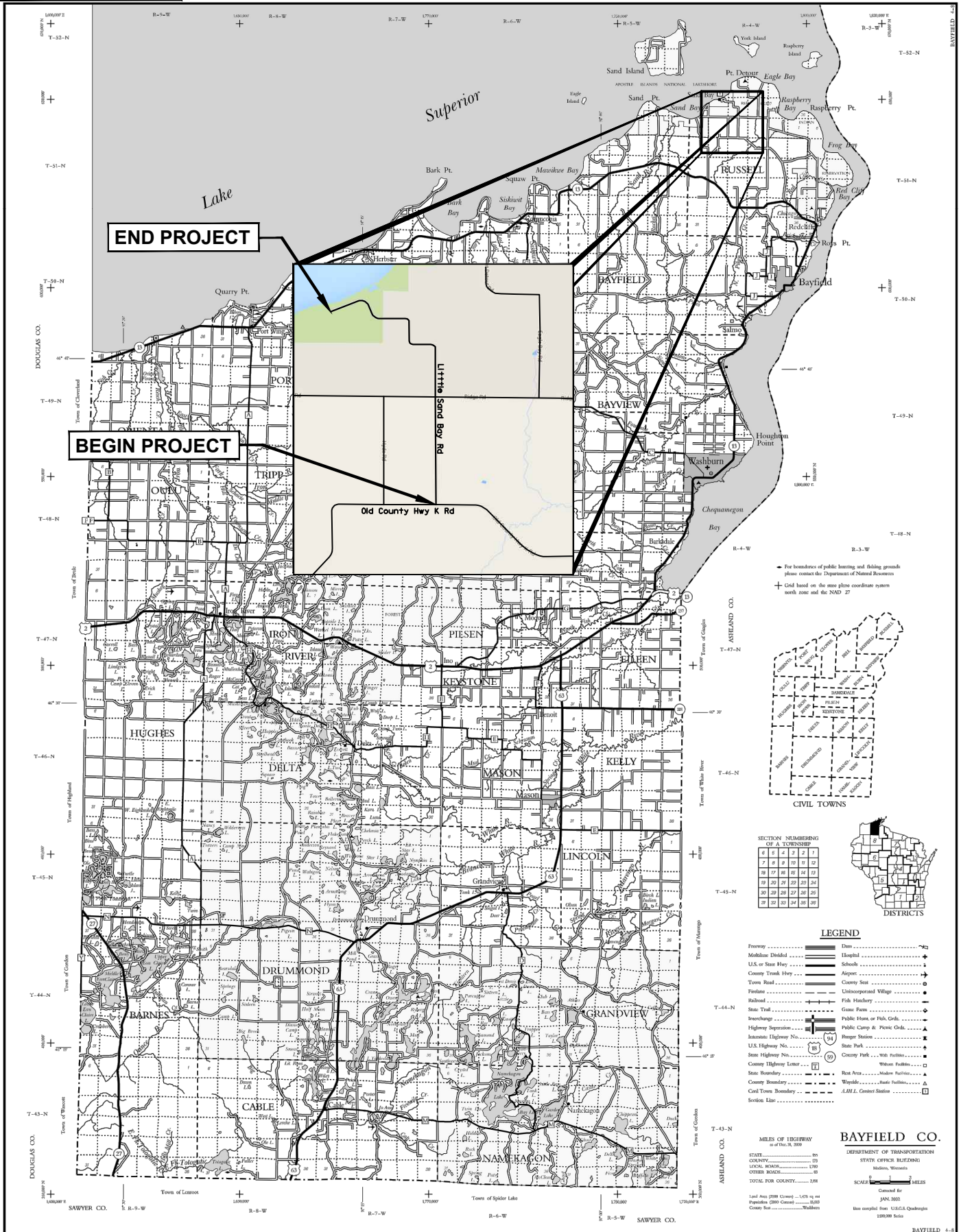


EXHIBIT B

PRELIMINARY PLANS

GENERAL NOTES

REMOVALS
NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

DRAINAGE
PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL FIELD VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN WITH THE ENGINEER.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.

EXISTING DRAINAGE DITCHES AND CULVERT PIPES SHALL REMAIN FUNCTIONAL DURING EXCAVATION OPERATIONS.

EROSION CONTROL
PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL INSTALL THE EROSION CONTROL PROTECTION IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.

THE QUANTITY OF THE ITEMS FOR EROSION PROTECTION INCLUDES AN UNDISTRIBUTED AMOUNT FOR PROTECTION, CONTROL, AND ABATEMENT OF WATER POLLUTION RESULTING FROM SOIL EROSION. THE DISTRIBUTION AND LOCATION OF THESE MATERIALS ARE TO BE DETERMINED BY THE ENGINEER.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY ARE TO BE FERTILIZED, SEEDED AND TEMPORARILY SEEDED AS DIRECTED BY THE ENGINEER.

DO NOT APPLY FERTILIZER WITHIN 20 FEET OF A WATER BODY OR WETLAND.

MISCELLANEOUS
WHEN THE QUANTITY OF BASE AGGREGATE DENSE OR ASPHALTIC SURFACE IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY FACILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY UTILITY WHICH IS NOT A MEMBER OF DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

PAVEMENT REMOVAL WILL BE TO THE NEAREST JOINT OR A SAWED EDGE WILL BE REQUIRED AS DIRECTED BY THE ENGINEER.

A BUTT JOINT SHALL BE PLACED AT ALL LOCATIONS WHERE NEW PAVEMENT IS TO MATCH EXISTING PAVEMENT. ALL BUTT JOINTS SHALL BE SAWCUT OR REMOVED AS APPROVED BY THE ENGINEER TO PROVIDE A VERTICAL FACE.

ALL SIDE ROAD INTERSECTIONS SHALL BE PULVERIZED AND RELAID TO THE LIMITS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.

ALL WASTE MATERIAL RESULTING FROM THE VARIOUS CONSTRUCTION OPERATIONS ADJACENT TO THE PAVEMENT UNDER TRAFFIC SHALL BE ENTIRELY REMOVED AND PROPERLY DISPOSED OF IMMEDIATELY OR AS DIRECTED BY THE ENGINEER.

THE EXACT LOCATION AND WIDTH OF DRIVEWAYS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

DRIVEWAYS SHALL BE REPLACED IN KIND AND AND IN ACCORDANCE WITH THE CONSTRUCTION DETAILS.

WETLANDS EXIST IN THE PROJECT AREA. NO DISTURBANCES SHALL OCCUR OUTSIDE OF THE SLOPE INTERCEPTS IN WETLAND AREAS.

STORAGE OF EQUIPMENT AND/OR MATERIALS OUTSIDE OF THE SHOWN SLOPE INTERCEPTS, IN AREAS OF ADJACENT WETLANDS, IS PROHIBITED.

STATIONING, DISTANCES, AND OFFSETS FOR PROPOSED SIGNS SHOWN ON THE PLANS ARE APPROXIMATE AND THE LOCATIONS OF SIGNS ARE TO BE COORDINATED IN THE FIELD WITH THE ENGINEER.

CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.

ALL COORDINATES ON THIS PLAN ARE REFERENCED TO THE BAYFIELD COUNTY COORDINATE SYSTEM. DISTANCES SHOWN ON THIS PLAN ARE GROUND DISTANCES. BEARINGS SHOWN ON THIS PLAN ARE GRID BEARINGS.

PURSUANT TO CHAPTER 59 OF THE WISCONSIN STATUTES, THE CONTRACTOR SHALL CAREFULLY MAKE A SEARCH FOR EVIDENCE OF A LANDMARK IN ALL AREAS WHERE SUCH A LANDMARK MAY EXIST.

ASPHALTIC SURFACE WEIGHT CALCULATIONS ARE BASED ON 110 LB/SY/IN.

HMA PAVEMENT TYPE 4 LT 58-34 S TO BE PLACED IN ONE, 2½-INCH LIFT.

CONSULTANT LIAISON

WESTBROOK ASSOCIATED ENGINEERS, INC.
619 EAST HOXIE STREET
P.O. BOX 429
SPRING GREEN, WI 53588

ATTN: AARON PALMER, P.E.
PH: (608) 588-7866
apalmer@westbrookeng.com

TOWN LIAISON

TOWN OF RUSSELL
35900 STH 13
BAYFIELD, WI 54814

ATTN: PAUL TRIBOVICH, CHAIRMAN
PH: (715) 779-5338
townofrussell@centurytel.net

WisDNR LIAISON

DNR NORTHERN REGION HEADQUARTERS
810 W. MAPLE STREET
SPOONER, WI 54801

ATTN: SHAWN HASELEU
PH: (715) 635-4228
shawn.haseleu@wisconsin.gov

STANDARD ABBREVIATIONS

ADT	AVERAGE DAILY TRAFFIC	L.S.	LUMP SUM
AGG.	AGGREGATE	LT.	LEFT
AH.	AHEAD	M.H.	MANHOLE
ET. AL.	AND OTHERS	MAX.	MAXIMUM
BK.	BACK	MIN.	MINIMUM
B	BARN	N.	NORTH
B.M.	BENCH MARK	NOR.	NORMAL
BIT.	BITUMINOUS	PAV'T.	PAVEMENT
BOT.	BOTTOM	P.C.	POINT OF CURVE
C.A.B.C.	CRUSHED AGGREGATE BASE COURSE	P.I.	POINT OF INTERSECTION
C.B.	CATCH BASIN	P.C.C.	PORTLAND CEMENT CONCRETE
C.E.	COMMERCIAL ENTRANCE	P.E.	PRIVATE ENTRANCE
CL OR CL	CENTERLINE	PL OR PL	PROPERTY LINE
CH.	CHISELED	P.P.	POWER POLE
CH. CH.	CHANNEL CHANGE	PROJ.	PROJECT
CL.	CLASS	P.T.	POINT OF TANGENCY
C & G	CURB & GUTTER	P.U.	PIPE UNDERDRAIN
C.M.C.P.	CORRUGATED METAL CULVERT PIPE	P.U.U.	PIPE UNDERDRAIN UNPERFORATED
CONC.	CONCRETE	R.	RADIUS
CONST.	CONSTRUCTION	R.C.C.P.	REINFORCED CONCRETE CULVERT PIPE
COR.	CORNER	R.C.P.S.S.	REINFORCED CONCRETE PIPE, STORM SEWER
C.P.	CULVERT PIPE	REQ'D.	REQUIRED
CR.	CRUSHED	RL OR RL	REFERENCE LINE
C.T.H.	COUNTY TRUNK HIGHWAY	R.R.	RAILROAD
CWT.	HUNDREDWEIGHT	RT.	RIGHT
C.Y.	CUBIC YARD	R.H.F.	RIGHT HAND FORWARD
D	DEGREE OF CURVE	R/W	RIGHT-OF-WAY
D	DIRECTIONAL DISTRIBUTION	RD.	ROAD
D.H.	DOUBLE HEADED	S.	SOUTH
D.H.V.	DESIGN HOURLY VOLUME	SAN.	SANITARY
DISC.	DISCHARGE	S.E.	SUPERELEVATION
E.	EAST	SHR.	SHRINKAGE
E.B.S.	EXCAVATION BELOW SUBGRADE	S.R.	SIDE ROAD
EL. OR ELEV.	ELEVATION	S.S.	STORM SEWER
E.M.	EROSION MAT	STD.	STANDARD
EXC.	EXCAVATION	S.T.H.	STATE TRUNK HIGHWAY
F.F.	FACE TO FACE	STA.	STATION
F.E.	FIELD ENTRANCE	SURF.	SURFACE
F.L.	FLOW LINE	S.W.	SIDEWALK
FT.	FOOT (FEET)	S.Y.	SQUARE YARD
G.	GARAGE	T	TRUCK PERCENTAGE
GAL.	GALLON	T	TANGENT LENGTH OF CURVE
G.F.	GEOTEXTILE FABRIC	TAN. LINE	TANGENT LINE
H	HOUSE	TAV.	TAVERN
HOR.	HORIZONTAL	T.P.	TELEPHONE POLE
H.P.	HIGH POINT	T.L.E.	TEMPORARY LIMITED EASEMENT
IN.	INCHES	TL OR TL	TRANSIT LINE
INL.	INLET	T.S.F.	TEMPORARY SILT FENCE
OR I	INTERSECTION ANGLE	UNCL.	UNCLASSIFIED EXCAVATION
I.P.	IRON PIPE	V	DESIGN SPEED
I.R.	IRON ROD	VAR.	VARIABLE
L.	LENGTH OF CURVE	V.C.	VERTICAL CURVE
L.F.	LINEAR FEET	VERT.	VERTICAL
L.H.E.	LIMITED HIGHWAY EASEMENT	W.	WEST
L.H.F.	LEFT HAND FORWARD		

ORDER OF SECTION 2 SHEETS

- GENERAL NOTES
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- EROSION CONTROL
- TRAFFIC CONTROL

UTILITIES

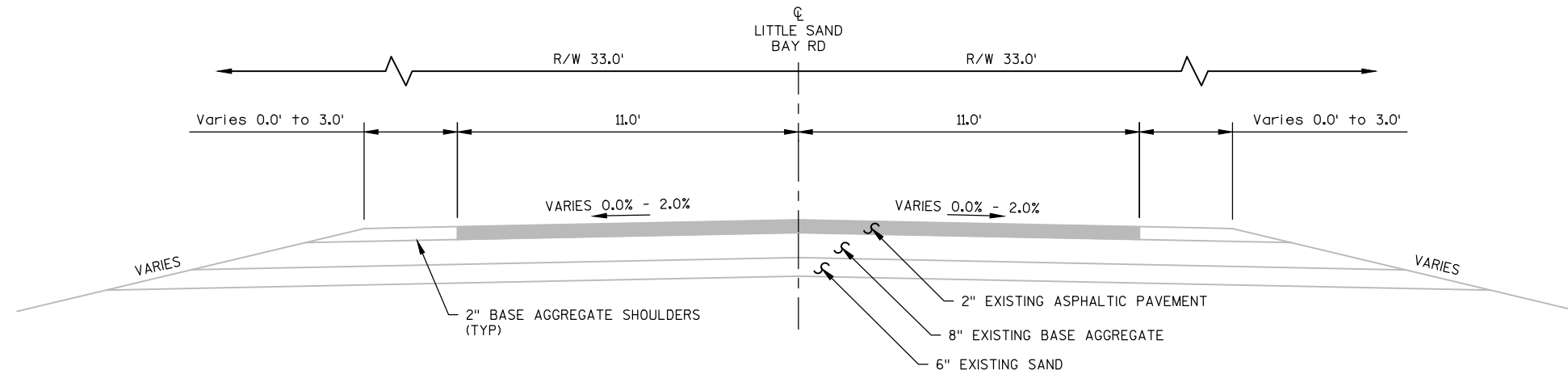
COMMUNICATIONS
CENTURYLINK
ATTN: MONTY PARKER
20 S WILSON AVE
RICE LAKE, WI 54868
(715) 234-5528
monty.parker@centurlink.com

ELECTRIC
BAYFIELD ELECTRIC COOPERATIVE
ATTN: BILL JOHNSON
68460 DISTRICT STREET
P.O. BOX 68
IRON RIVER, WI 54847
(715) 372-7517
bill.johnson@bayfield.com

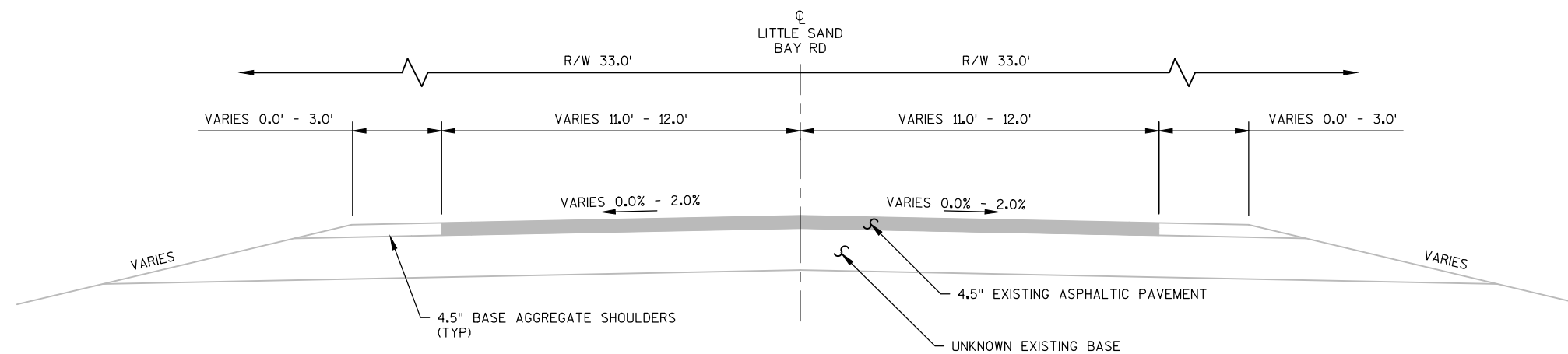




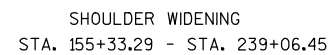
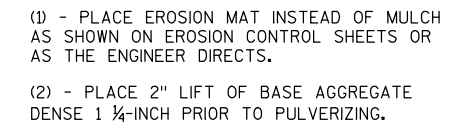
PROJECT NO:8357-01-72	HWY:LITTLE SAND BAY RD	COUNTY:BAYFIELD	PROJECT OVERVIEW	SHEET	E
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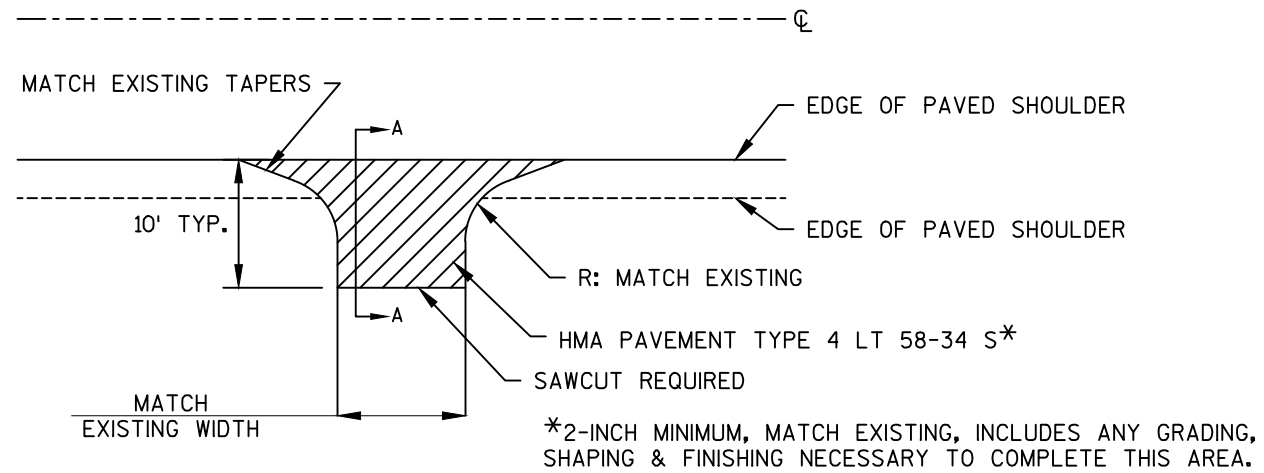
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STA. 100+16.09 - STA. 155+33.29

**TYPICAL EXISTING SECTION**

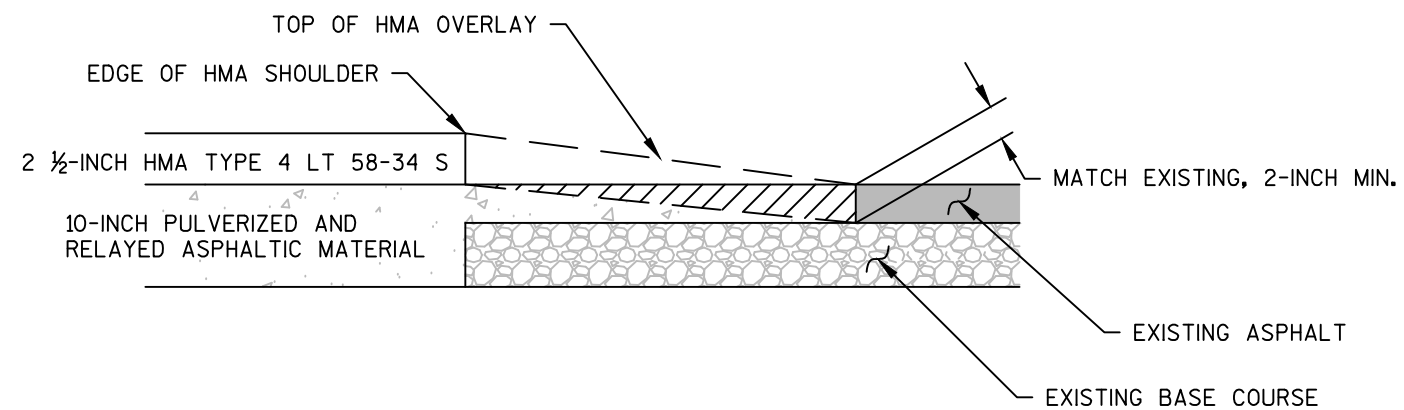
STA. 155+33.29 - STA. 239+06.45



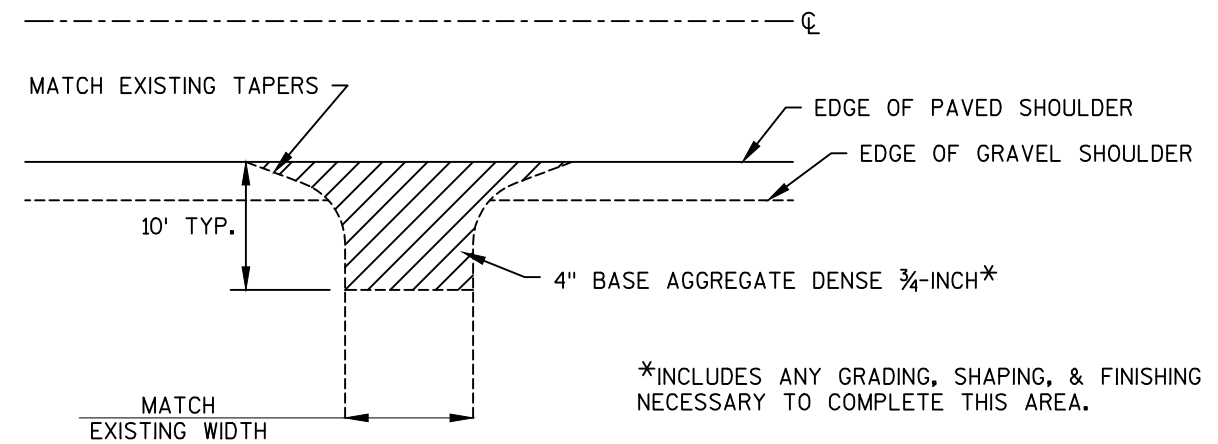


RURAL DRIVEWAY DETAIL - ASPHALT

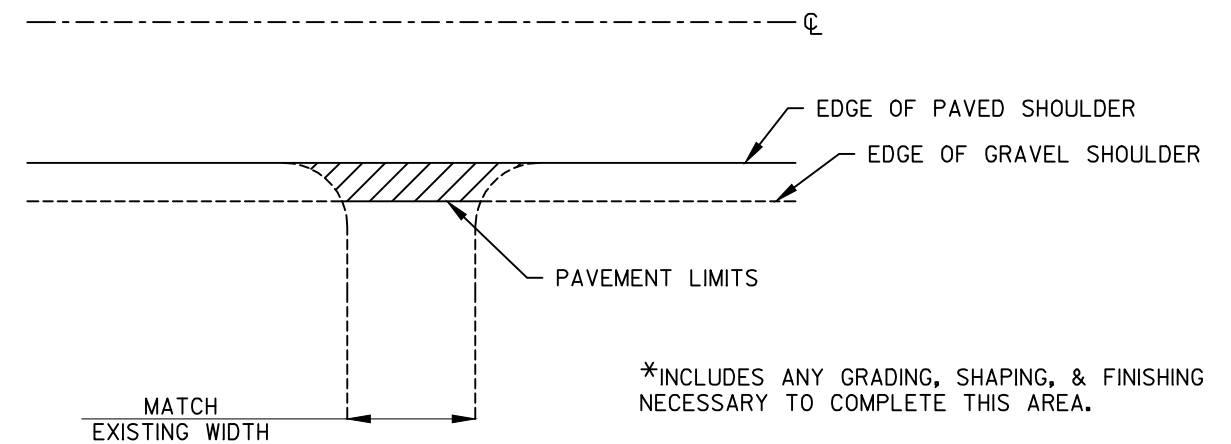
 REMOVE ASPHALTIC MATERIAL



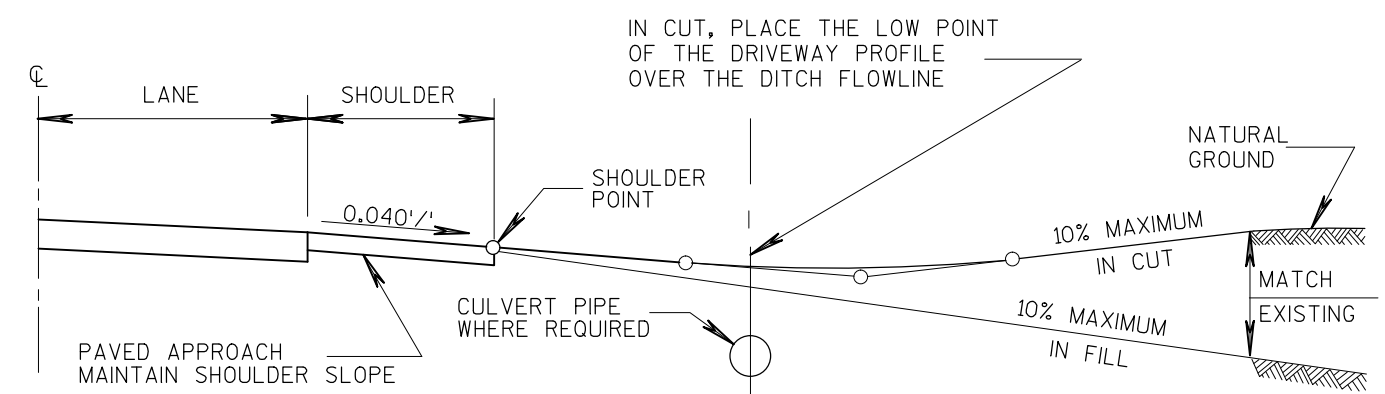
SECTION A-A



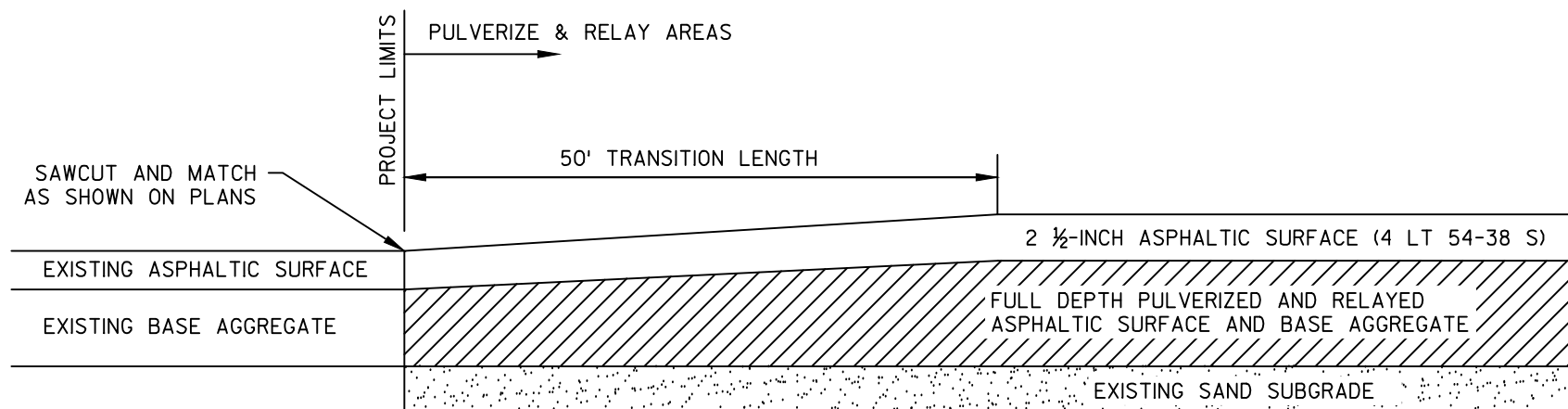
RURAL DRIVEWAY DETAIL - GRAVEL



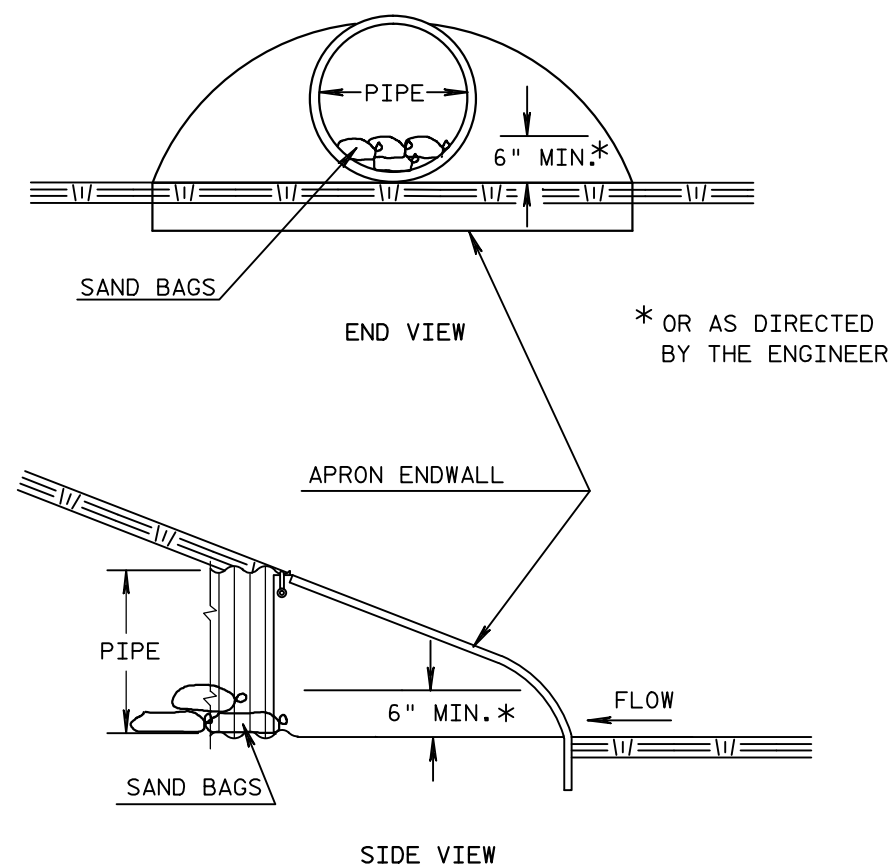
RURAL DRIVEWAY DETAIL - FIELD ENTRANCE



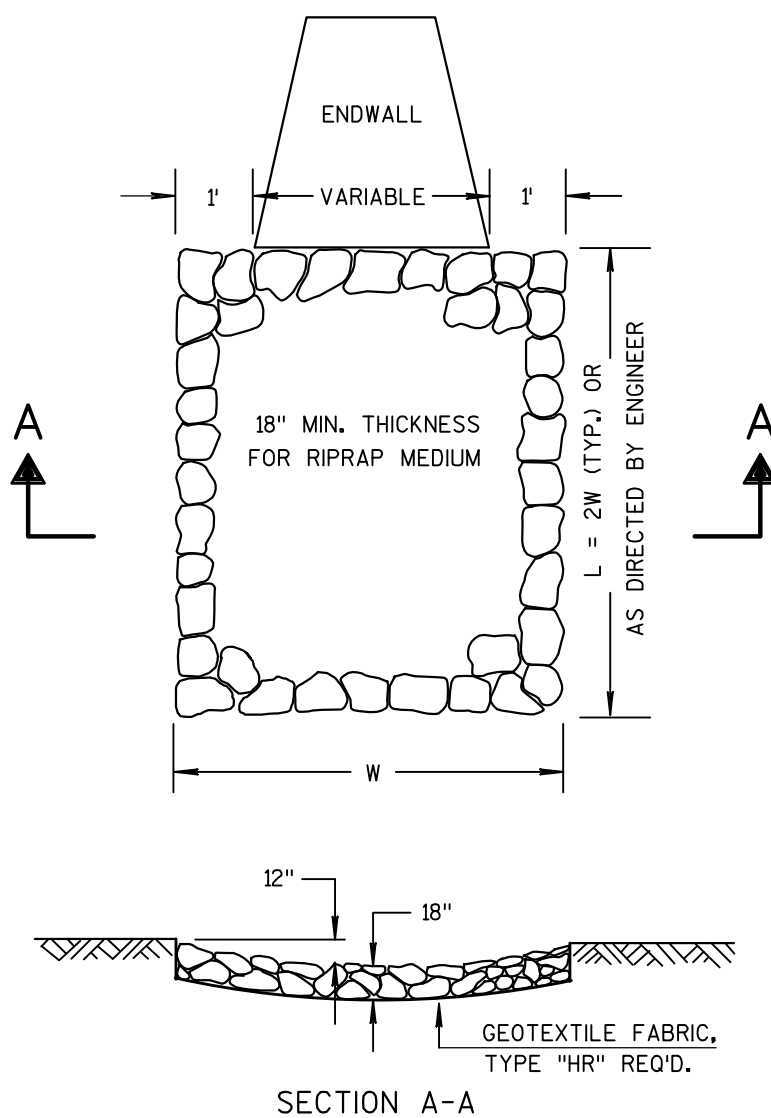
TYPICAL DRIVEWAY PROFILE



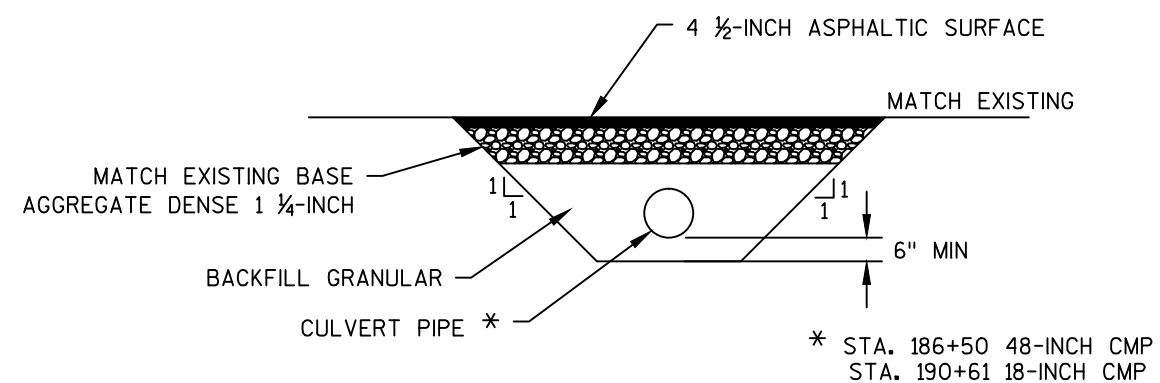
PULVERIZE AND RELAY TRANSITION DETAILS
AT PROJECT LIMITS



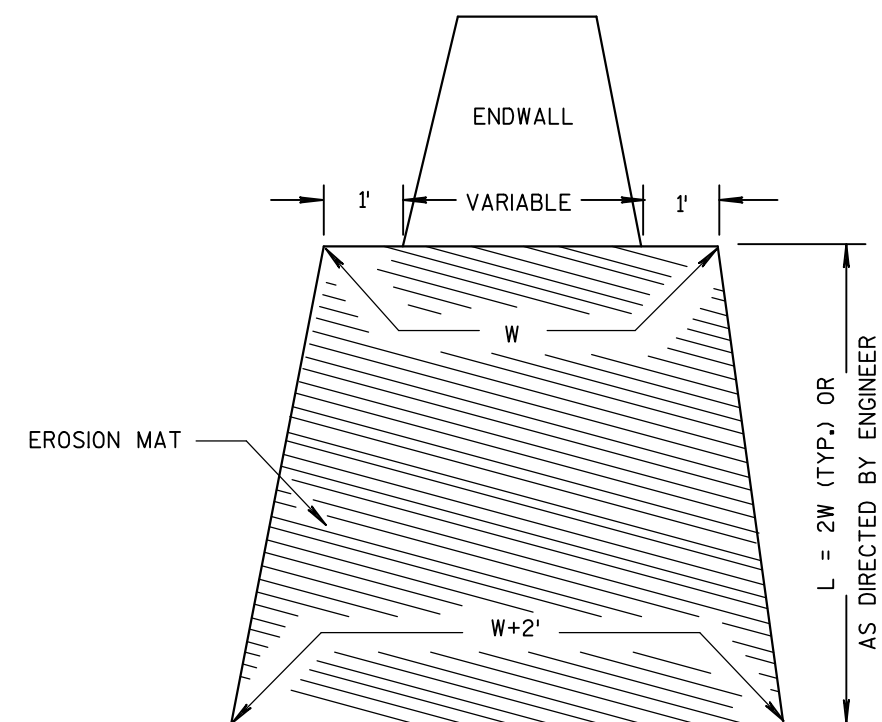
CULVERT PIPE DITCH CHECK



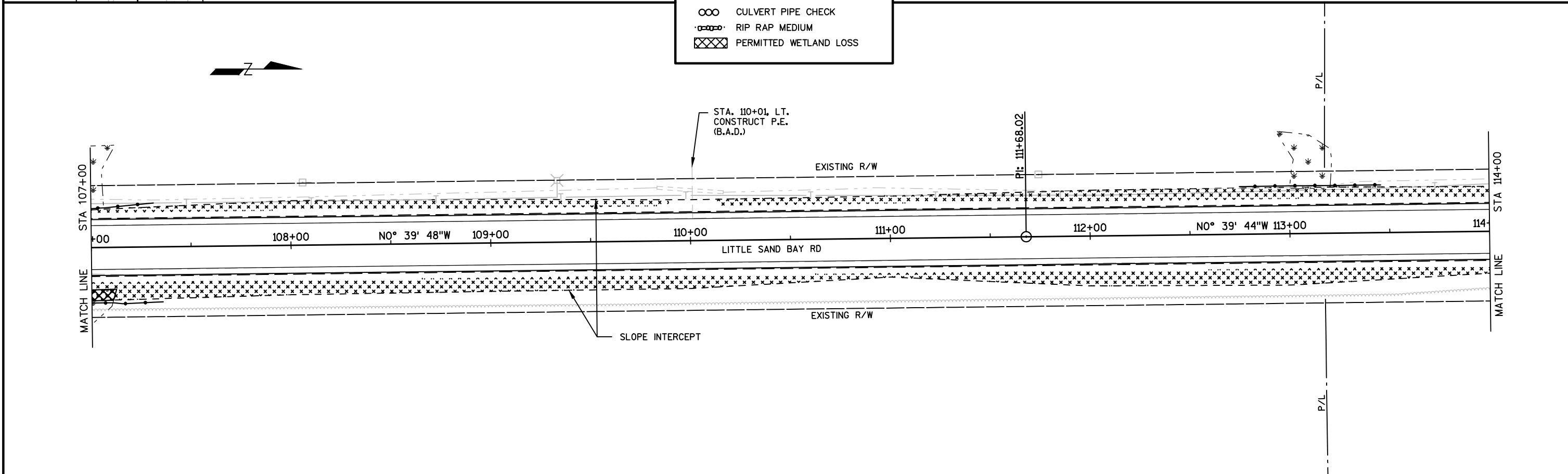
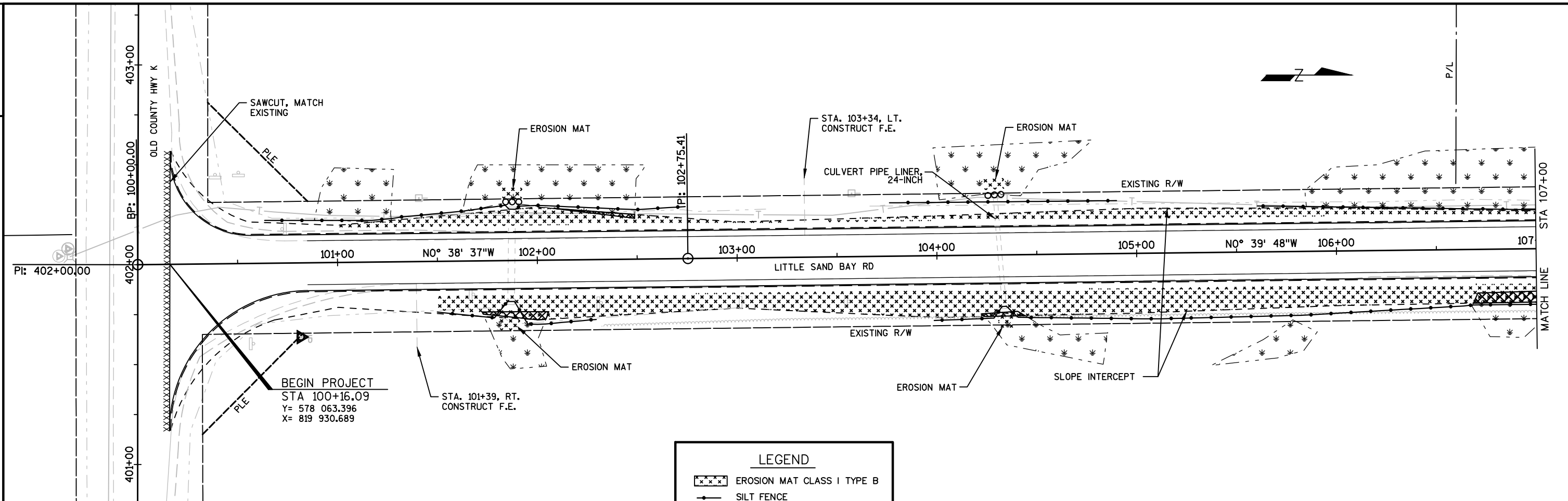
RIPRAP MEDIUM TREATMENT AT CULVERTS

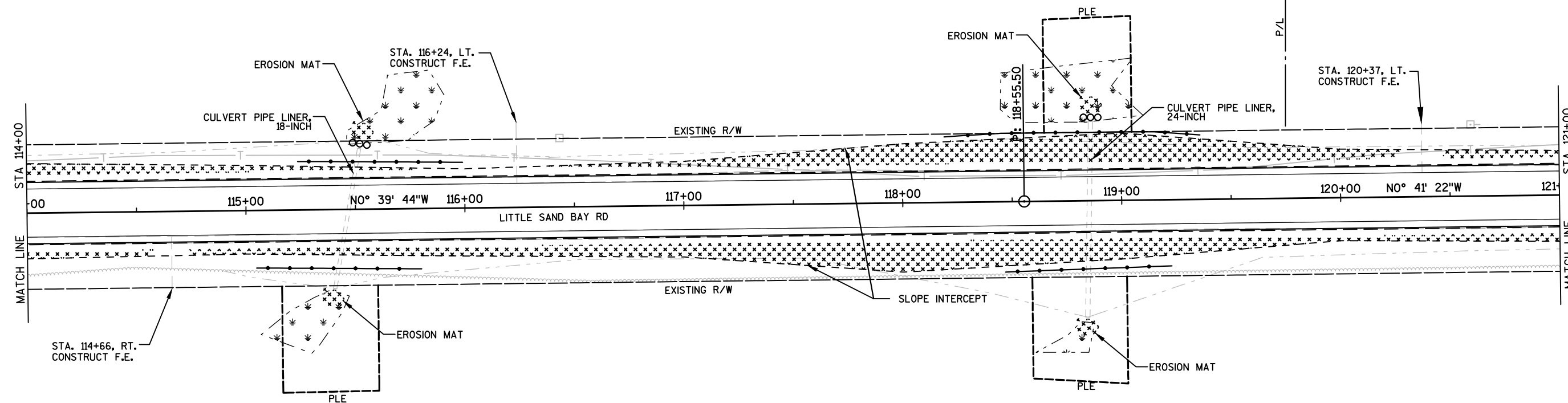


CULVERT REPLACEMENT



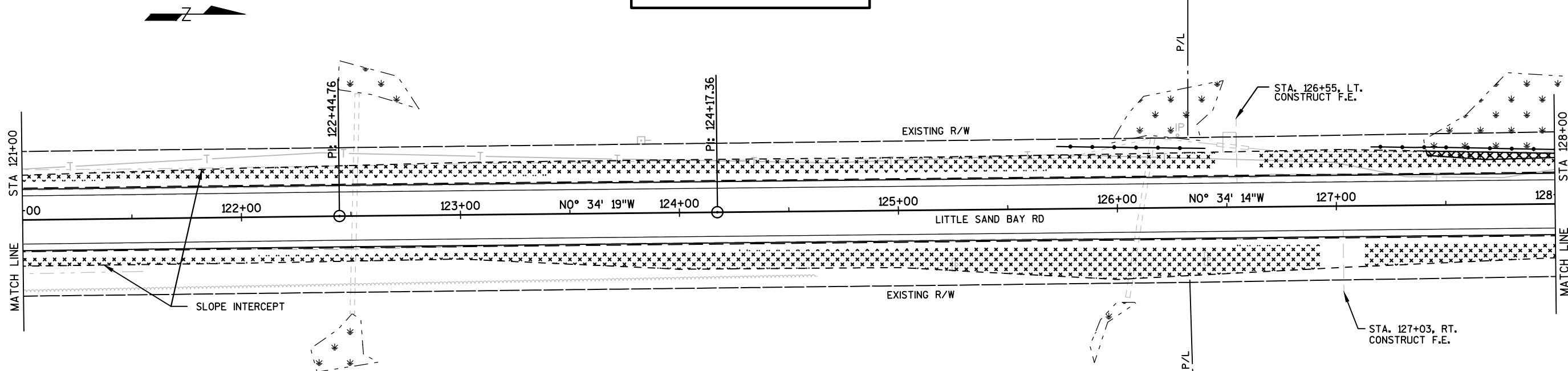
EROSION MAT TREATMENT AT CULVERTS

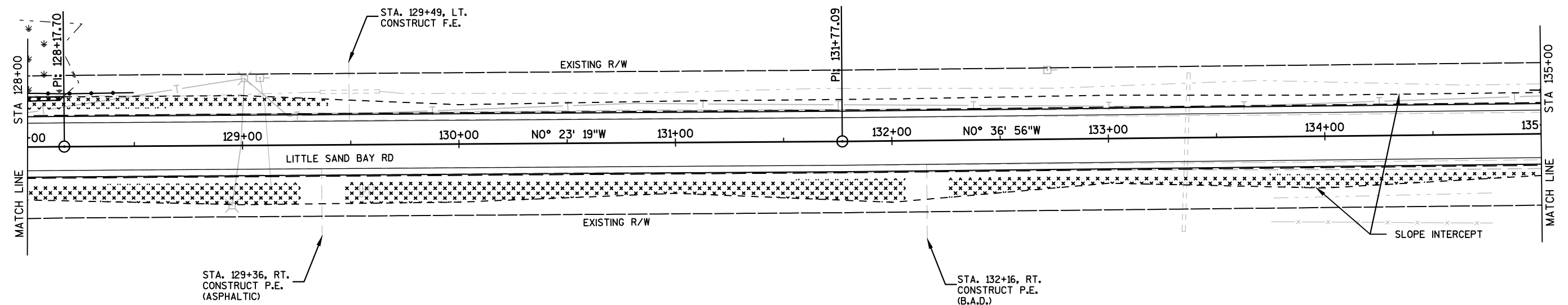




LEGEND

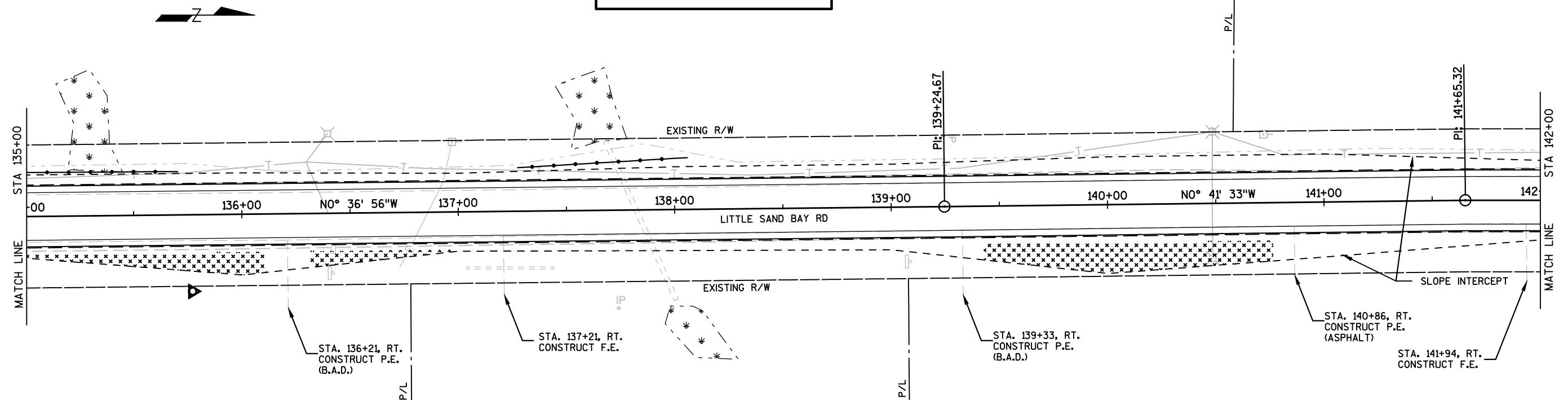
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- SILT FENCE
- CULVERT PIPE CHECK
- RIP RAP MEDIUM
- PERMITTED WETLAND LOSS

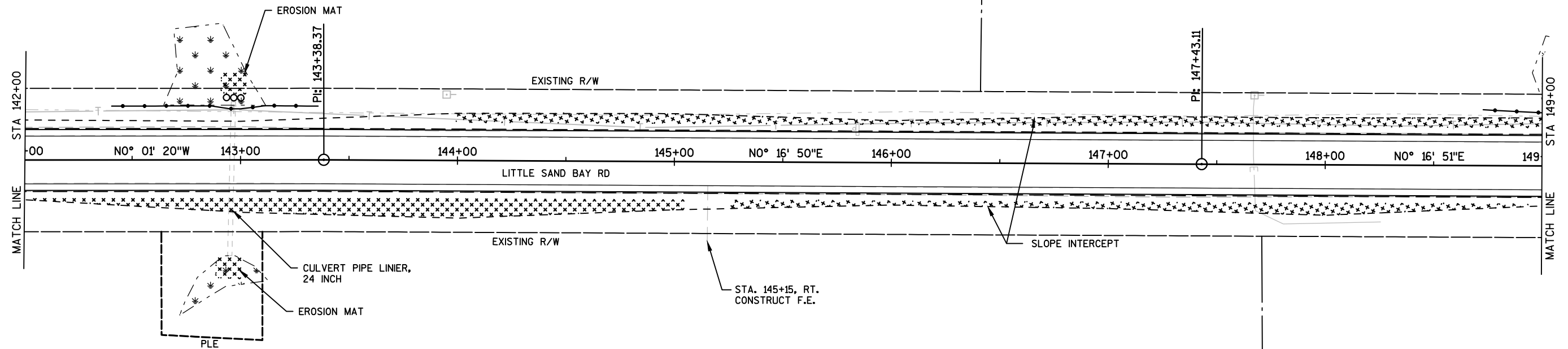




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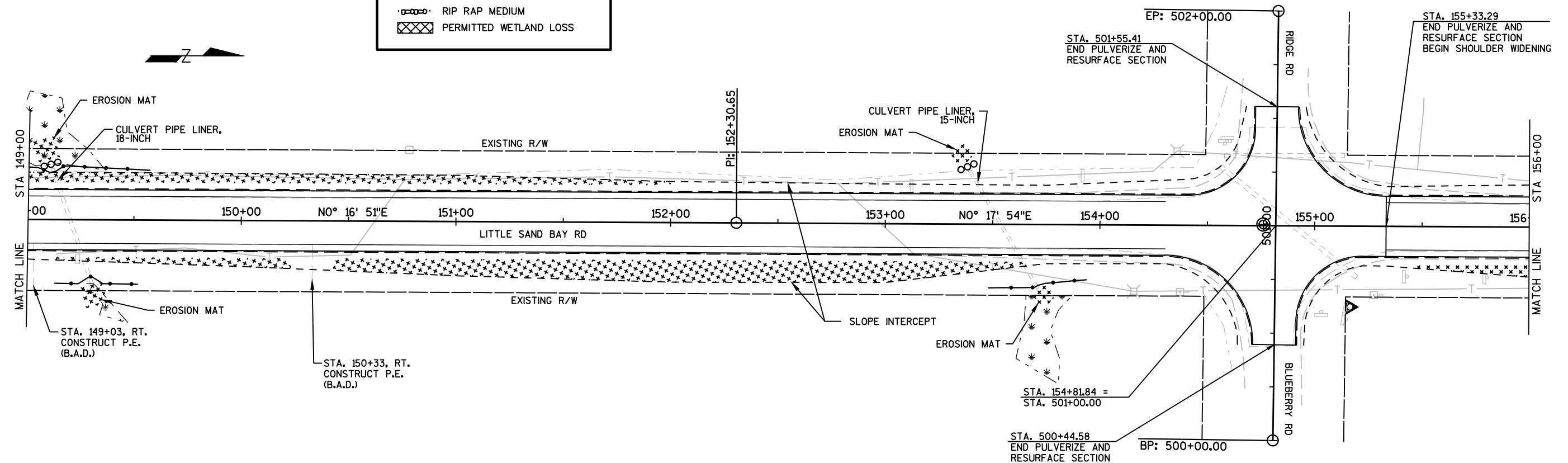
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- SILT FENCE
- OOO CULVERT PIPE CHECK
- RIP RAP MEDIUM
- XXXXX PERMITTED WETLAND LOSS

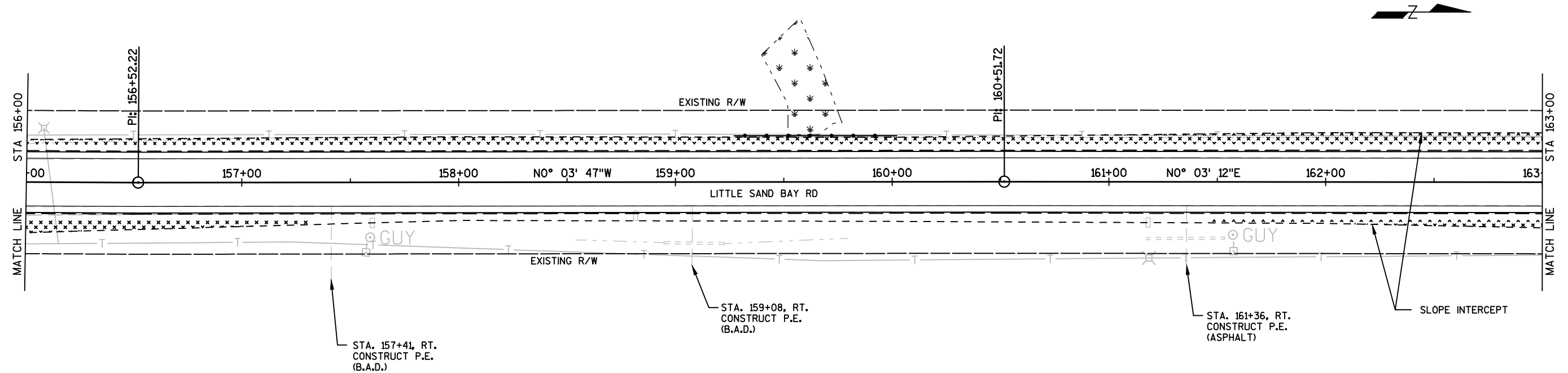




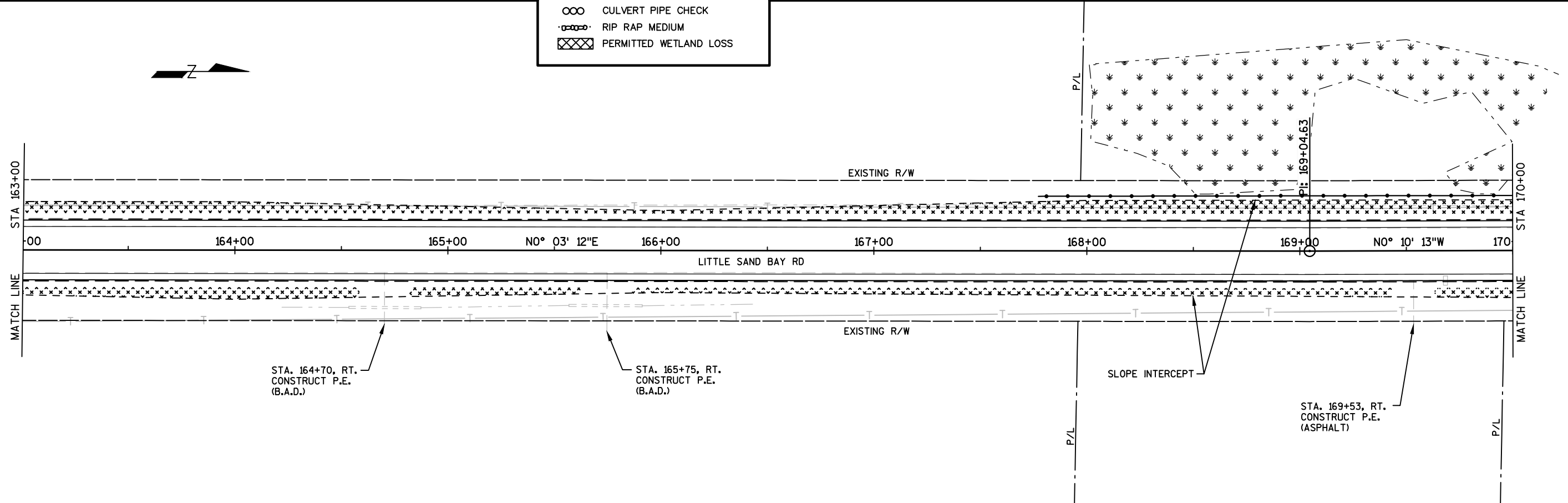
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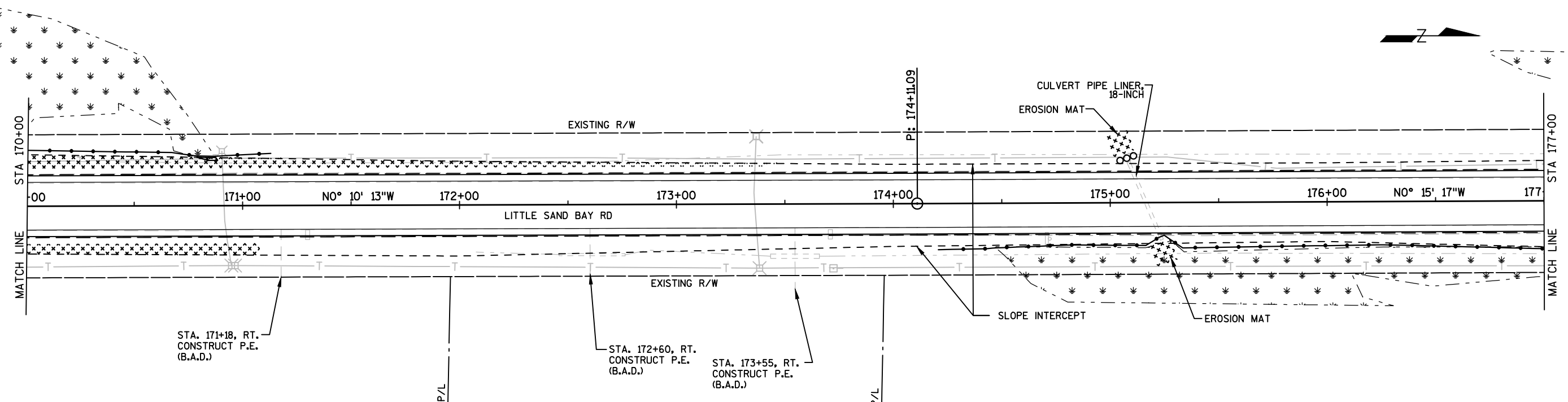
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- RIP RAP MEDIUM
- PERMITTED WETLAND LOSS





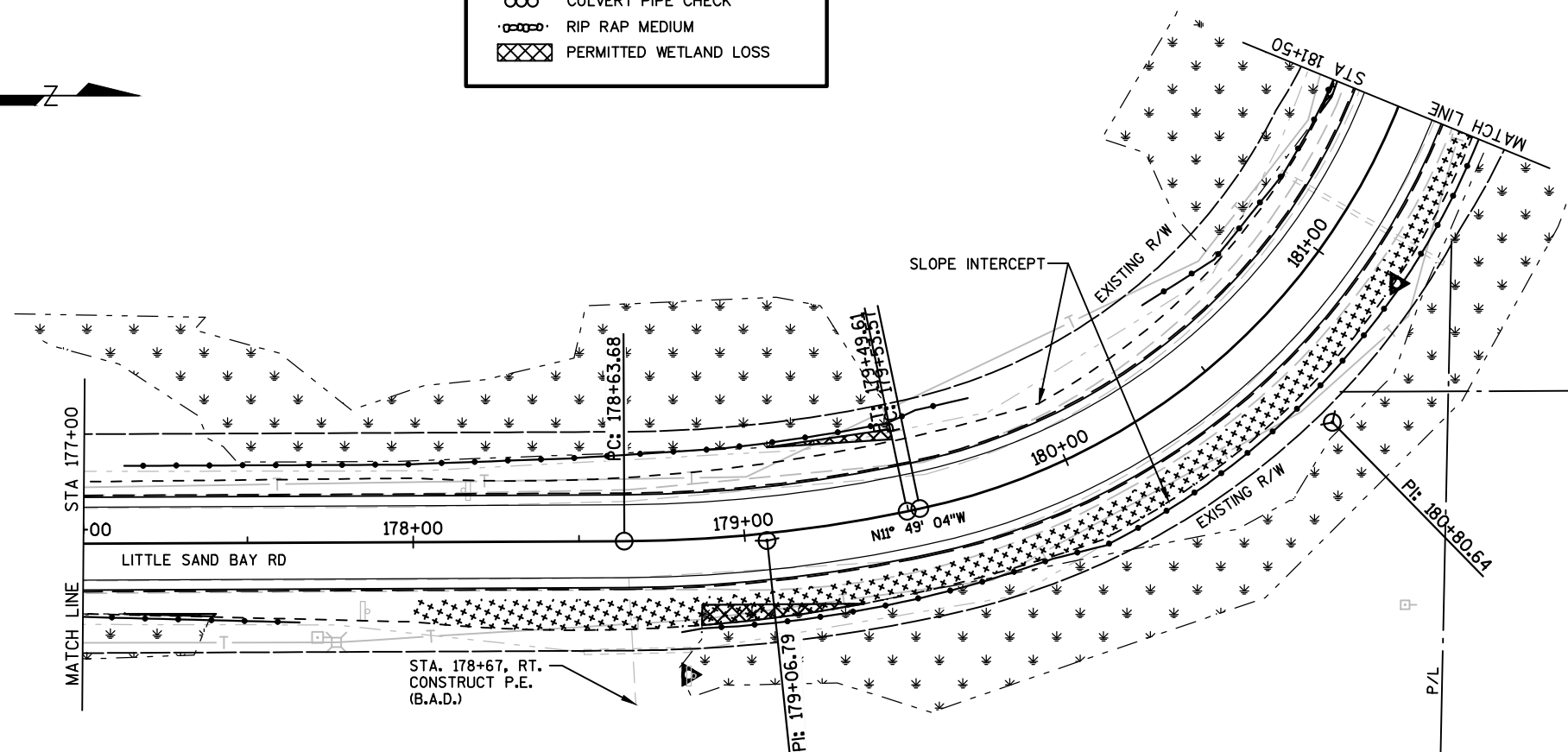
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	SILT FENCE
	CULVERT PIPE CHECK
	RIP RAP MEDIUM
	PERMITTED WETLAND LOSS

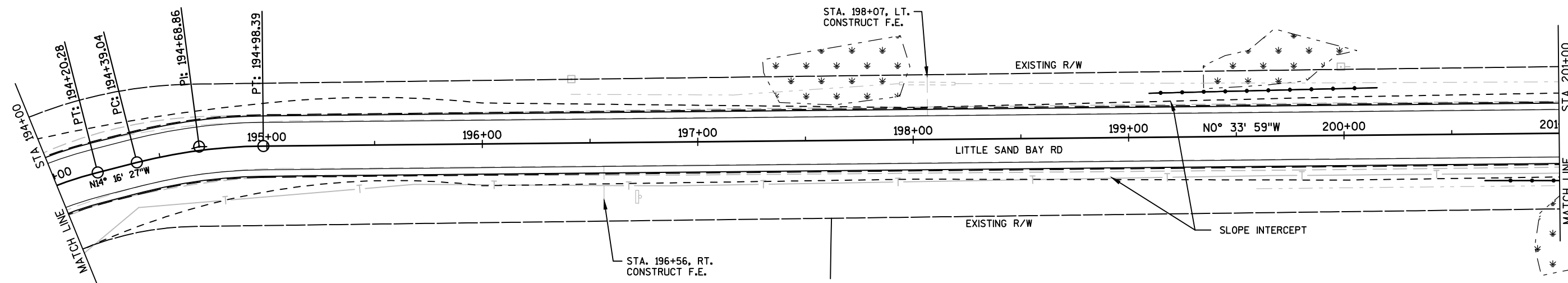




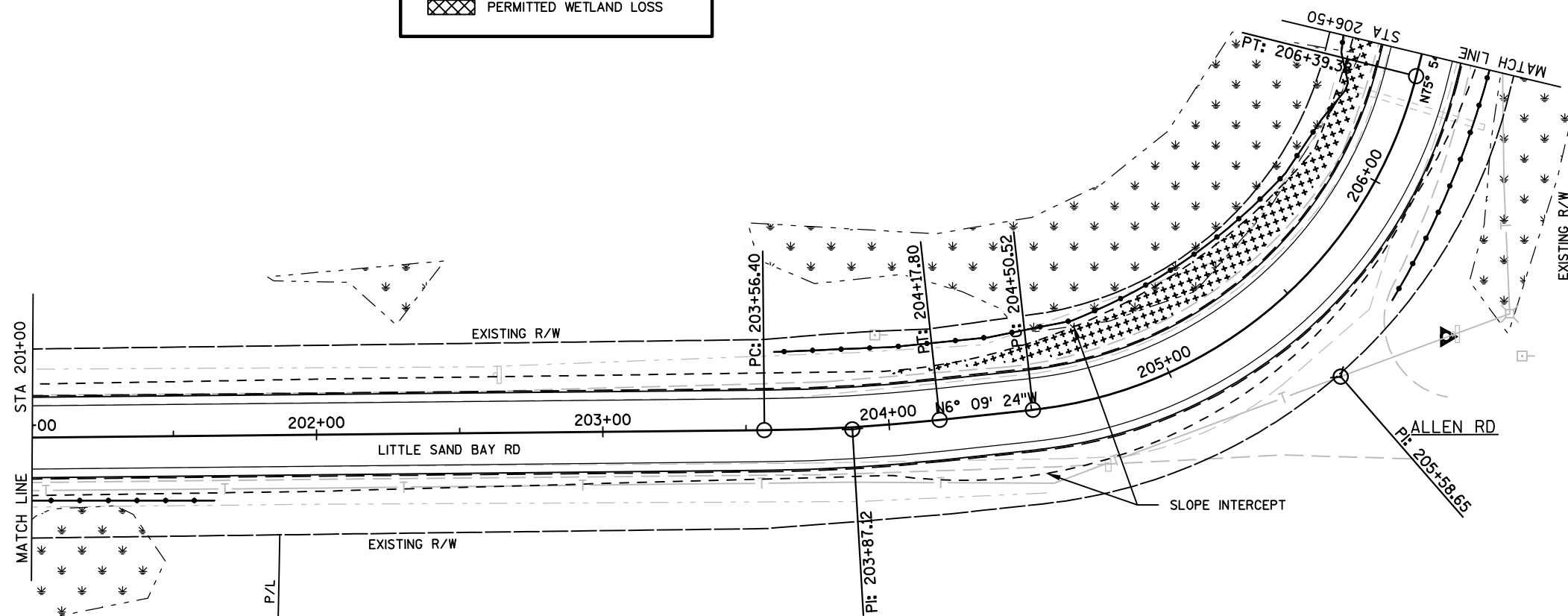
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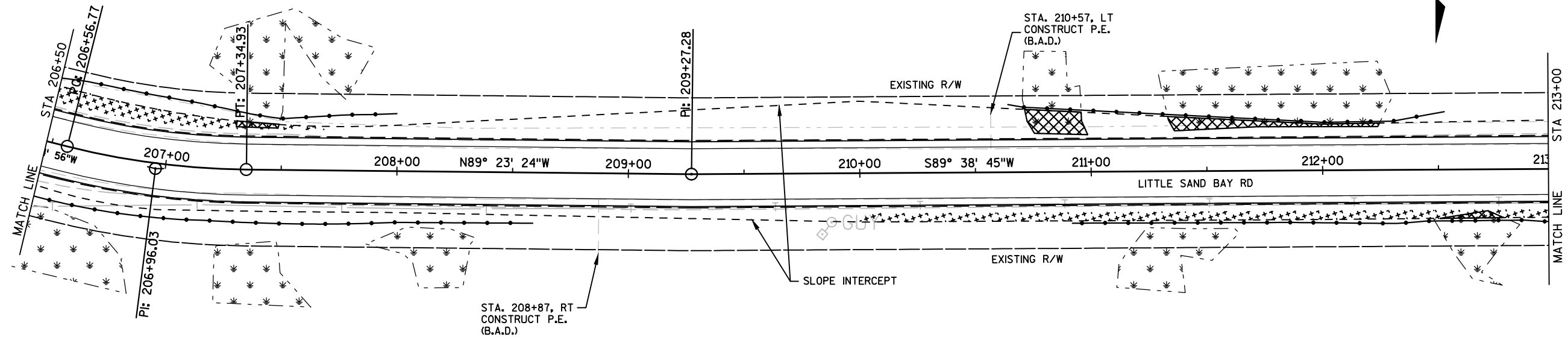
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- SILT FENCE
- CULVERT PIPE CHECK
- RIP RAP MEDIUM
- PERMITTED WETLAND LOSS



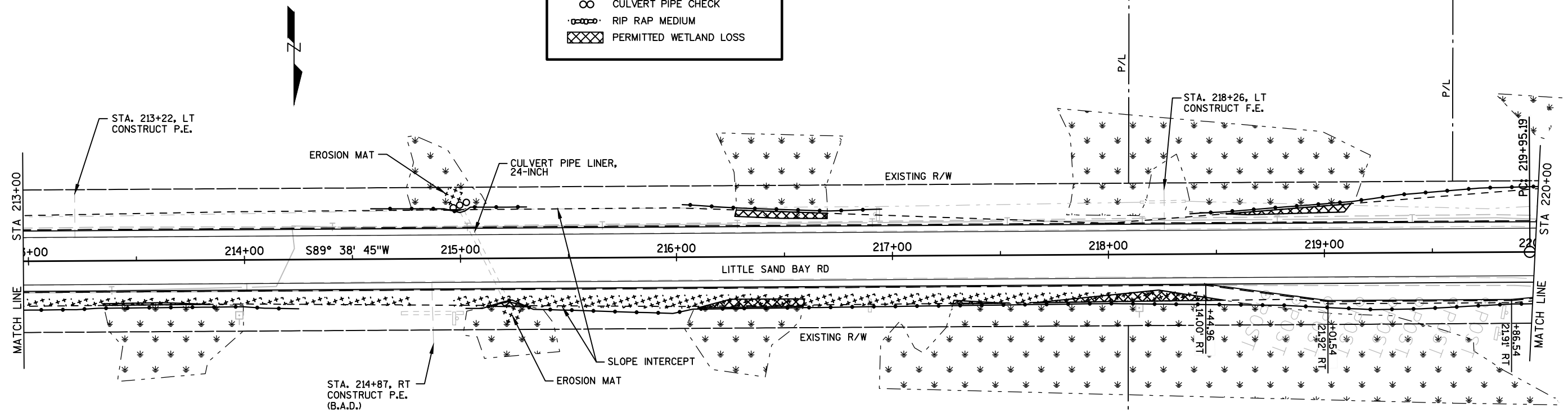


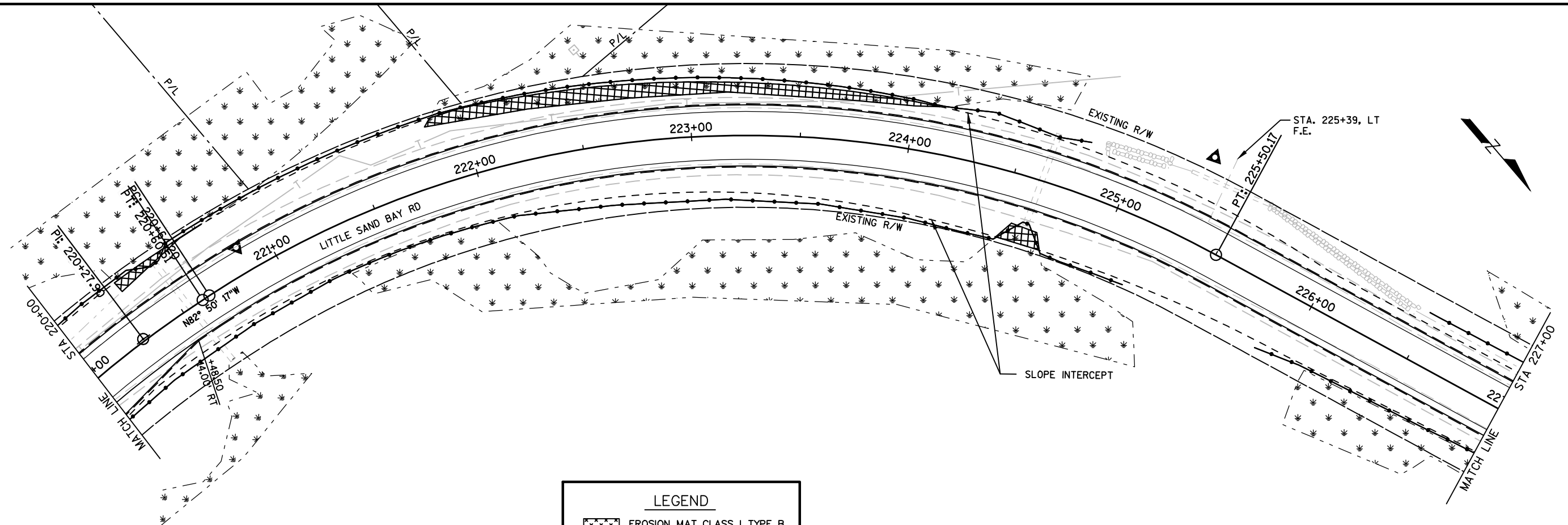
LEGEND	
	EROSION MAT CLASS I TYPE B
	SILT FENCE
	CULVERT PIPE CHECK
	RIP RAP MEDIUM
	PERMITTED WETLAND LOSS



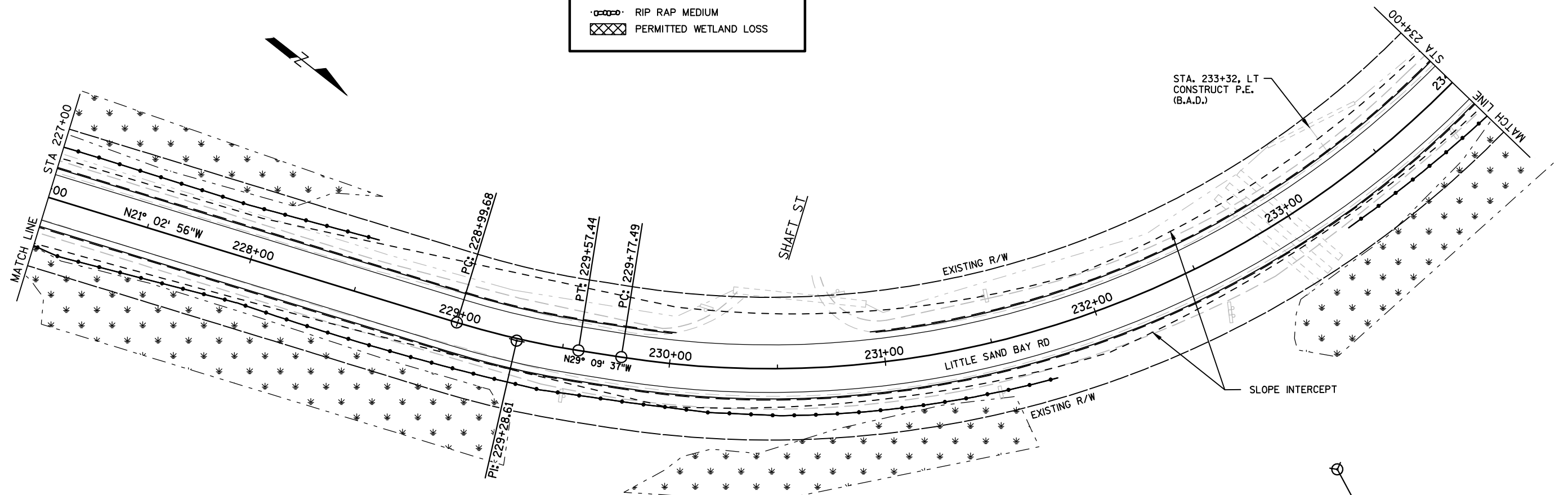


LEGEND	
	EROSION MAT CLASS I TYPE B
	SILT FENCE
	CULVERT PIPE CHECK
	RIP RAP MEDIUM
	PERMITTED WETLAND LOSS





LEGEND	
	EROSION MAT CLASS I TYPE B
	SILT FENCE
	CULVERT PIPE CHECK
	RIP RAP MEDIUM
	PERMITTED WETLAND LOSS



LEGEND

- EROSION MAT CLASS I TYPE B
SILT FENCE
CULVERT PIPE CHECK
RIP RAP MEDIUM
PERMITTED WETLAND LOSS

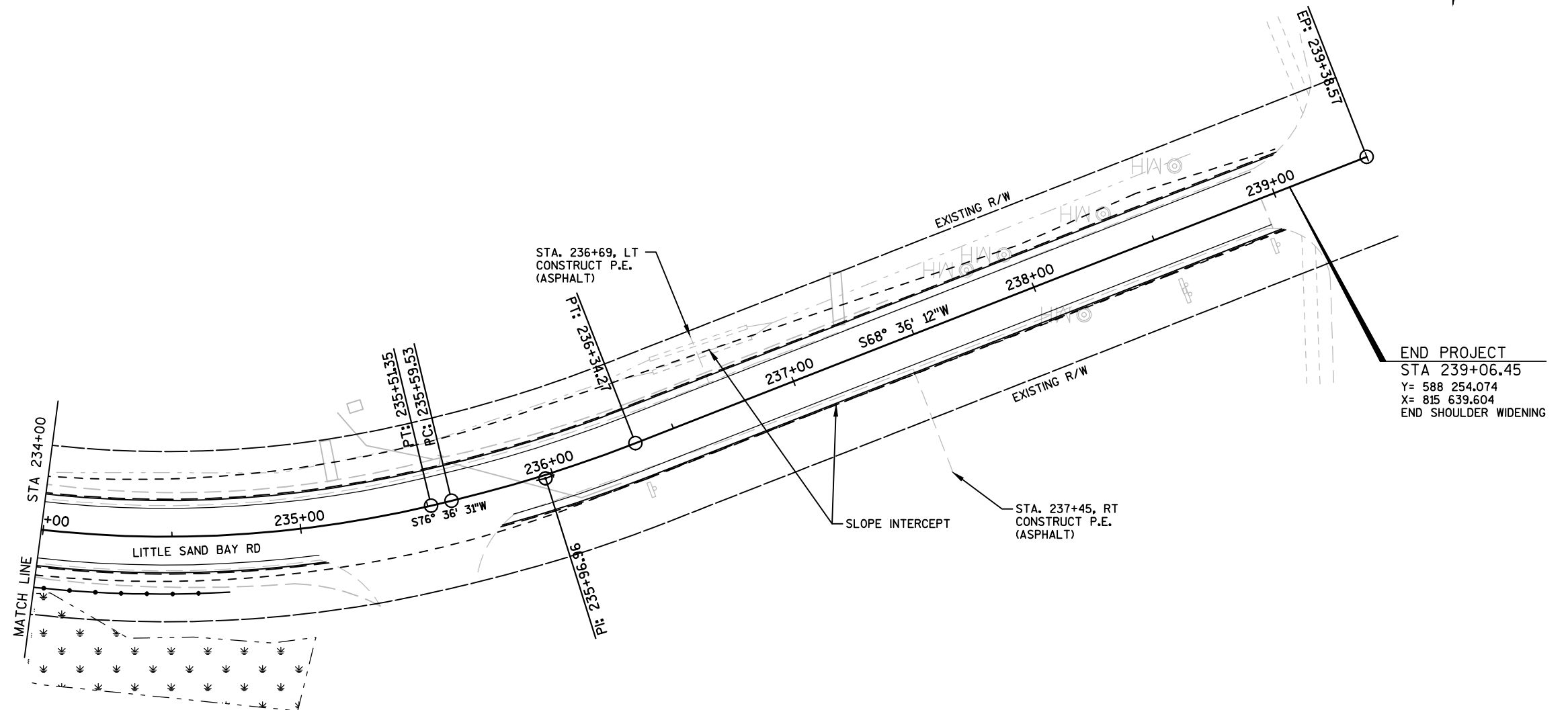


EXHIBIT C

CORRESPONDENCE

**(WisDNR, Corps of Engineers, Fish & Wildlife Service, Native American Tribal
Coordination)**



December 18, 2015

Luke Sander
Westbrook Associated Engineers, Inc.
PO Box 429
Spring Green WI 53588

Subject: DNR Initial Project Review
Project I.D. 8357-01-02
Little Sand Bay Road (Old CTH K – Termini)
Bayfield County
Sec. 4, T51N, R4W through Sec. 29, T52N, R4W

Dear Luke:

The Wisconsin Department of Natural Resources (DNR) has received the information you provided for the proposed above-referenced project on November 20th. According to your proposal, the purpose of this project is to bring the road up to adequate town road standards. Proposed improvements include pulverizing and overlay, as well as adding gravel shoulders. Two culverts will also be replaced as part of the project.

Preliminary information has been reviewed by DNR staff for the project under the DNR/DOT (Wisconsin Department of Transportation) Cooperative Agreement. Initial comments on the project as proposed are included below, and assume that additional information will be provided that addresses all resource concerns identified. In addition to the project specific resource concerns highlighted below, it is DNR's expectation that the full range of DOT roadway standards will be applied throughout the design process.

A. Project-Specific Resource Concerns

Section 4(f) Requirement:

Public lands are present in the vicinity of this project. If there is potential for impacts to these lands, please begin coordination with us as soon as possible. *First and foremost, every effort should be taken to avoid impacts to these lands.*

There is a U.S. Dept. of Transportation "Section 4(f)" process for federally funded transportation projects that impact various types of public parks, wildlife refuges, and recreation areas. This requirement is coordinated by state and federal transportation departments. Please ensure the 4f process as described in DOT FDM Chapter 21-25-1 is followed.

Wetlands:

There is potential for wetland impacts to occur as a result of this project. Wetland impacts must be avoided and/or minimized to the greatest extent practicable. Unavoidable wetland losses must be compensated for in accordance with the DNR/DOT Cooperative Agreement and the DOT Wetland Mitigation Banking Technical Guideline. Per the Cooperative Agreement, mitigation banking is the preferred compensation option, however DOT and DNR agree that other practicable and ecologically valuable project specific opportunities may be pursued on a case-by-case basis. DNR requests information regarding the amount and type of unavoidable wetland impacts.

Fisheries/Stream Work:

The unnamed tributary to Lake Superior is a warmwater fishery. In order to protect developing fish eggs and substrate for aquatic organisms, all instream work that could adversely impact water quality should be undertaken between June 15th and March 1st.

Aquatic Connectivity and Culvert Work:

The culvert located at STA 186 + 50 should be set and sized in such a manner to avoid or minimize impacts to stream morphology, aquatic organism passage, and water quality. This requires that water flow characteristics and streambed sediment in the culvert should closely match the characteristics of the streambed sediment in the natural channel. The invert elevations of the existing and proposed structure(s), the water surface elevations, and the natural streambed elevations upstream and downstream should be specified in the plans. The natural streambed elevations should extend well beyond the zone of influence of the culvert. The invert elevation of the new culvert(s) should be set an adequate distance below the natural streambed elevation, to allow for a natural and continuous streambed condition to occur.

The width and depth of the unnamed tributary must not be altered. However, a minor amount of dredging necessary to place the structure elements is permissible.

Endangered Resources:

Based upon a review of the Natural Heritage Inventory (NHI) and other DNR records dated November 25, 2015, no Endangered Resources or suitable habitat that could be impacted by this project are known or likely to occur in the project area or its vicinity.

Invasive Species and Viral Hemorrhagic Septicemia (VHS):

Adequate precautions should be taken to prevent transporting or introducing invasive species via construction equipment, as provided under chapter NR 40 Wis. Adm. Code. Further information on species classified as Restricted or Prohibited under NR 40 can be found at: <http://dnr.wi.gov/topic/Invasives/classification.html>.

DNR will work with project managers to help identify specific problem areas across the project site and recommend preventive measures. The following Best Management Practices (BMPs) for rights-of-way provide a series of measures that will ensure reasonable precautions are taken throughout the stages of construction: <http://www.wisconsinforestry.org/files/invasiveBMPs/TransportationRoW-BMPs.pdf>.

Any equipment coming into contact with surface waters must be properly cleaned and disinfected to address the spread of invasive species and viruses. Special provisions must require contractors to implement the following measures before and after mobilizing in-water equipment to prevent the spread of VHS, Zebra Mussel, and other invasive species. Contractors should follow *STSP 107-055 Environmental Protection, Aquatic Exotic Species Control*, or protocol found here: http://dnr.wi.gov/topic/fishing/documents/vhs/disinfection_protocols.pdf.

Additional information on invasive species and infested waters can be found at: <http://dnr.wi.gov/lakes/invasives/AISByWaterbody.aspx>

Burning:

If burning of brush will occur as part of this project, the contractor should be informed that it is illegal to burn materials other than clean wood. It is also illegal to start or maintain fires using oily substances, or other materials prohibited under chapter NR 429, Wis. Adm. Code. All necessary burning permits must be obtained prior to construction, as required under local and state fire protection regulations, in order to comply with NR 429 (Malodorous Emissions & Open Burning) http://docs.legis.wisconsin.gov/code/admin_code/nr/400/429.pdf.

Burning permits are available through the local DNR ranger or fire warden, however other local burning permits maybe required.

B. Project Specific Construction Site Considerations

The following issues should be addressed in the Special Provisions, and the contractor will be required to outline their construction methods in the Erosion Control Implementation Plan (ECIP). An adequate ECIP for the project must be developed by the contractor and submitted to this office for review at least 14 days prior to the preconstruction conference. Erosion control and stormwater measures must adhere to the DNR/DOT Cooperative Agreement, Trans 401, and applicable federal laws.

Erosion Control and Storm Water Management:

- Erosion control devices should be specified on the construction plans. All disturbed bank areas should be adequately protected and restored as soon as feasible.
- If erosion mat is used along stream banks, DNR recommends that biodegradable non-netted mat be used (e.g. Class I Type A Urban, Class I Type B Urban, or Class II Type C). Long-term netted mats may cause animals to become entrapped while moving in and out of the stream. Avoid the use of fine mesh matting that is tied or bonded at the mesh intersection such that the openings in the mesh are fixed in size.
- If dewatering is required for any reason, the water must be pumped into a properly selected and sized dewatering basin before the clean/filtered water is allowed to enter any waterway or wetland. The basin must remove suspended solids and contaminants to the maximum extent practicable. A properly designed and constructed dewatering basin must take into consideration maximum pumping volume (gpm or cfs) and the sedimentation rate for soils to be encountered. Do not house any dewatering technique in a wetland.
- The contractor should restrict the removal of vegetative cover and exposure of bare ground to the minimum amounts necessary to complete construction. Restoration of disturbed soils should take place as soon as conditions permit. If sufficient vegetative cover will not be achieved because of late season construction, the site must be properly winterized.
- All temporary stock piles must be in an upland location and protected with erosion control measures (e.g. silt fence, rock filter-bag berm, etc.). Do not stockpile materials in wetlands, waterways, or floodplains.

Other Issues/Unique Features:

The Cooperative Agreement allows our agencies to be flexible with our review process in order to ensure the DOT project remains on schedule. At times we will identify unique resources or project specific concerns that necessitate creative solutions to complex resource issues. We believe the requests below are necessary to adequately protect resources, are reasonable, are site specific, and will not set precedence or new policy for statewide policy or guidance. The request made below applies only to this project, and should be incorporated into the project Special Provisions.

- **Tribal Consultation:** A review of our maps indicate that this project is within the tribal boundaries of the Red Cliff reservation. Therefore, we will need to initiate tribal consultation on the process to determine if there are any tribal concerns.

This project may require a permit from the U.S. Army Corps of Engineers (ACOE). For further details you will

need to contact Bill Sande of the ACOE located in the Hayward office, at 715-934-2170. All local, state, and federal permits and/or approvals must be obtained prior to commencing construction activities.

The above comments represent the DNR's initial concerns for the proposed project and do not constitute final concurrence. Final concurrence will be granted after further review of refined project plans, and additional consultation if necessary. If any of the concerns or information provided in this letter requires further clarification, please contact this office at 715-635-4228, or email at shawn.haseleu@wi.gov.

Sincerely,

A handwritten signature in dark ink, reading "Shawn Haseleu". The signature is written in a cursive, flowing style.

Shawn Haseleu
Environmental Analysis & Review Specialist

cc: Amy Adrihan, DOT NW Region - Superior
Ryan McKane, Knight Engineering
Bill Sande, ACOE



DEPARTMENT OF THE ARMY
ST. PAUL DISTRICT, CORPS OF ENGINEERS
180 FIFTH STREET EAST, SUITE 700
ST. PAUL MINNESOTA 55101-1638

February 22, 2016

REPLY TO
ATTENTION OF

Operations
Regulatory (2016-00044-WMS)

Mr. Luke Sander
Westbrook Associated Engineers, Inc.
P.O. Box 429
Spring Green, Wisconsin 53588

Dear Mr. Sander:

This concerns your request for comments for the Little Sand Bay Road project in the Town of Russell (I.D. 8357-01-02). The project is located in Section 4, T. 51., R. 4W., and Sections 32 and 33, T. 52N., R. 4W., Bayfield County, Wisconsin.

The discharge of dredged or fill material into any water of the United States is subject of Army Corps of Engineers jurisdiction under the Federal Clean Water Act. However, without detailed plans, we cannot provide specific comments regarding the effects the proposed activity would have on jurisdictional waters of the United States.

As needed for our review, please identify waters of the United States that may be impacted by the proposed project in accordance with the Corps of Engineers Wetland Delineation Manual (1987) and applicable regional supplements. If the results of the wetland delineation indicates wetlands may be impacted by the proposed project, a Department of the Army permit will be required. We anticipated that the project would be eligible for authorization under a General Permit (GP-004-WI). As needed for our review of a permit application, please provide the following information needed for our review:

1. A plan drawing that shows the areas and amount (in acres) of all wetlands proposed to be impacted by clearing, excavating and filling.
2. Describe alternatives considered that would not require clearing, excavating or filling wetlands and why such alternatives are not practicable, as well as measures to minimize the amount of impact to wetlands.
3. Compensatory mitigation is required for the unavoidable loss of more than 10,000 square feet (0.23 acre) of wetlands for a single and complete project. If you anticipate this to be the case for this project, please submit a mitigation plan prepared in accordance with the Guidelines for Wetland Compensatory Mitigation in Wisconsin.

If we do not hear from you within 30 days of this letter, we will administratively withdraw this application until sufficient information is provided. The application may be reinstated when the requested information is submitted to us.

Operations
Regulatory (2016-00044-WMS)

- 2 -

Replies should be addressed to the U. S. Army Corps of Engineers, Hayward Regulatory Field Office, 15954 Rivers Edge Drive, Suite 240, Hayward, WI 54843. If you have any questions, contact Bill Sande at (651) 290-5882. In any correspondence or inquiries, please refer to the Regulatory number shown above.

Sincerely,

A handwritten signature in black ink, appearing to read "William M. Sande". The signature is fluid and cursive, with the first name "William" being more prominent.

William M. Sande
Project Manager, Regulatory Branch

Federal Highway Administration (FHWA) and Federal Railroad Administration (FRA)
Range-wide Programmatic Informal Consultation for
Indiana Bat and Northern Long-eared Bat

Project Submittal Form for FHWA, FRA, and Transportation Agencies
Updated June 23, 2015

In order to use the programmatic informal consultation to fulfill Endangered Species Act consultation requirements, transportation agencies must use this form to submit project-level information for all may affect, not likely to adversely affect (NLAA) determinations to the appropriate U.S. Fish and Wildlife Service (Service) field office prior to project commencement. For more information, see the Standard Operating Procedure for Site Specific Project(s) Submission in the User's Guide.

In submitting this form, the transportation agency ensures that the proposed project(s) adhere to the criteria of the range-wide programmatic informal BA. Upon submittal of this form, the appropriate Service field office may review the site-specific information provided and request additional information. If the applying transportation agency is not notified within 14 calendar days of emailing the Project Submittal Form to the Service field office, it may proceed under the range-wide programmatic informal consultation.

Further instructions on completing the form can be found by hovering your cursor over each text box.

1. Date:

2. Lead Agency:

This refers to the Federal governmental lead action agency initiating consultation; select FHWA or FRA as appropriate

3. Requesting Agency:

a. Name:

b. Title:

c. Phone:

d. Email:

4. Consultation Code¹:

5. Project Name(s):

¹ Available through IPaC System Official Species List: <https://ecos.fws.gov/ipac/>

6. Project Description:

Please attach additional documentation or explanatory text if necessary

7. Other species from Official Species List:

No effect – project(s) are inside the range, but no suitable habitat – see additional information attached

May Affect – see additional information provided for those species (either attached or forthcoming)

8. For Ibat/NLEB, if Applicable, Explain Your No Effect Determination

No effect – project(s) are outside the species' range (*form complete*)

No effect – project(s) are inside the range, but no suitable summer habitat (*form complete*)

No effect from maintenance, alteration, or demolition of bridge(s)/structure(s) – results of inspection surveys indicate no signs of bats. (*form complete*)

No effect – other (*see Section 2.2 of the User's Guide – form complete*)

Otherwise, please continue below.

9. Affected Resource/Habitat Type

Trees

Bridge

Other Non-Tree Roosting Structure (e.g., building)

Other (please explain):

10. For Tree Removal Projects:

- a. Please verify that no documented roosts or foraging habitat will be impacted and that project is within 100 feet of existing road surface:
- b. Please verify that all tree removal will occur during the inactive season²:
- c. Timing of clearing:
- d. Amount of clearing:

11. For Bridge/Structure Work Projects:

- a. Proposed work:
- b. Timing of work:
- c. Evidence of bat activity on bridge/structure:
- d. If applicable, verify that superstructure work will not bother roosting bats in any way:
- e. If applicable, verify that bridge/structure work will occur only in the winter months:

² Coordinate with local Service field office for appropriate dates.

12. Please confirm the following:

Proposed project(s) adhere to the criteria of the range-wide programmatic informal BA (see Section 2.0).

All applicable AMMs will be implemented, including³:

Tree Removal AMM 1:

Tree Removal AMM 2:

Tree Removal AMM 3:

Tree Removal AMM 4:

Bridge AMM 1:

Bridge AMM 2:

Bridge AMM 3:

Bridge AMM 4:

Structure AMM 1:

Structure AMM 2:

Structure AMM 3:

Structure AMM 4:

Lighting AMM 1:

Lighting AMM 2:

Dust Control AMM 1:

Water Control AMM 1:

Water Control AMM 2:

Water Control AMM 3:

Water Control AMM 4:

Water Control AMM 5:

Water Control AMM 6:

Wetland/Stream Protection AMM 1:

Wetland/Stream Protection AMM 2:

Wetland/Stream Protection AMM 3:

Wetland/Stream Protection AMM 4:

Wetland/Stream Protection AMM 5:

Wetland/Stream Protection AMM 6:

³ See AMMs Fact Sheet (Appendix B) for more information on the following AMMs.



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Green Bay Ecological Services Field Office
2661 SCOTT TOWER DRIVE
NEW FRANKEN, WI 54229
PHONE: (920)866-1717 FAX: (920)866-1710

Consultation Code: 03E17000-2016-SLI-0308

January 18, 2016

Event Code: 03E17000-2016-E-00285

Project Name: T Russell, Little Sand Bay Rd, Bayfield County

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The attached species list identifies any federally threatened, endangered, proposed and candidate species that may occur within the boundary of your proposed project or may be affected by your proposed project. The list also includes designated critical habitat if present within your proposed project area or affected by your project. This list is provided to you as the initial step of the consultation process required under section 7(c) of the Endangered Species Act, also referred to as Section 7 Consultation.

Section 7 of the Endangered Species Act of 1973 requires that actions authorized, funded, or carried out by Federal agencies not jeopardize federally threatened or endangered species or adversely modify designated critical habitat. To fulfill this mandate, Federal agencies (or their designated non-federal representative) must consult with the Service if they determine their project "may affect" listed species or critical habitat.

Under 50 CFR 402.12(e) (the regulations that implement Section 7 of the Endangered Species Act) the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally. You may verify the list by visiting the ECOS-IPaC website <http://ecos.fws.gov/ipac/> at regular intervals during project planning and implementation and completing the same process you used to receive the attached list. As an alternative, you may contact this Ecological Services Field Office for updates.

Please use the species list provided and visit the U.S. Fish and Wildlife Service's Region 3 Section 7 Technical Assistance website at - <http://www.fws.gov/midwest/endangered/section7/s7process/index.html>. This website contains step-by-step instructions which will help you determine if your project will have an adverse effect on listed species and will help lead you through the Section 7 process.

For all **wind energy projects** and **projects that include installing towers that use guy wires or are over 200 feet in height (e.g., communication towers)**, please contact this field office directly for assistance, even if no federally listed plants, animals or critical habitat are present within your proposed project or may be affected by your proposed project.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

Although no longer protected under the Endangered Species Act, be aware that bald eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*) and Migratory Bird Treaty Act (16 U.S.C. 703 *et seq.*), as are golden eagles. Projects affecting these species may require measures to avoid harming eagles or may require a permit. If your project is near an eagle nest or winter roost area, see our Eagle Permits website at <http://www.fws.gov/midwest/midwestbird/EaglePermits/index.html> to help you determine if you can avoid impacting eagles or if a permit may be necessary.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment



United States Department of Interior
Fish and Wildlife Service

Project name: T Russell, Little Sand Bay Rd, Bayfield County

Official Species List

Provided by:

Green Bay Ecological Services Field Office
2661 SCOTT TOWER DRIVE
NEW FRANKEN, WI 54229
(920) 866-1717

Consultation Code: 03E17000-2016-SLI-0308

Event Code: 03E17000-2016-E-00285

Project Type: TRANSPORTATION

Project Name: T Russell, Little Sand Bay Rd, Bayfield County

Project Description: Little Sand Bay Rd from Old CTH K, Section 4, T51N, R4W, to its Termini, Section 32, T52N, R4W, Bayfield County is in design. From Old CTH K to Ridge Rd, the exiting pavement structure will be pulverized to its full depth and topped with a 2.5-inch layer of base aggregate and a 2.5-inch layer of asphalt. From Ridge Rd to Termini the shoulder will be widened. The proposed horizontal and vertical alignment will closely match existing conditions. The project is scheduled to let on April 11, 2017.

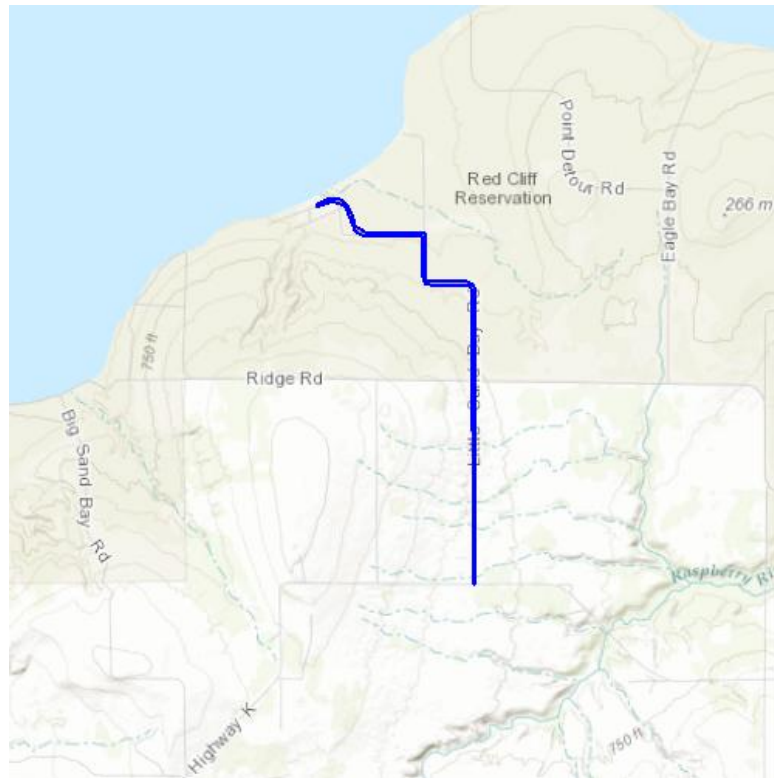
Please Note: The FWS office may have modified the Project Name and/or Project Description, so it may be different from what was submitted in your previous request. If the Consultation Code matches, the FWS considers this to be the same project. Contact the office in the 'Provided by' section of your previous Official Species list if you have any questions or concerns.



United States Department of Interior
Fish and Wildlife Service

Project name: T Russell, Little Sand Bay Rd, Bayfield County

Project Location Map:



Project Coordinates: The coordinates are too numerous to display here.

Project Counties: Bayfield, WI



United States Department of Interior
Fish and Wildlife Service

Project name: T Russell, Little Sand Bay Rd, Bayfield County

Endangered Species Act Species List

There are a total of 4 threatened or endangered species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

Flowering Plants	Status	Has Critical Habitat	Condition(s)
Fassett's locoweed (<i>Oxytropis campestris</i> var. <i>chartacea</i>)	Threatened		
Mammals			
Canada Lynx (<i>Lynx canadensis</i>) Population: Contiguous U.S. DPS	Threatened	Final designated	
Gray wolf (<i>Canis lupus</i>) Population: U.S.A.: All of AL, AR, CA, CO, CT, DE, FL, GA, IA, IN, IL, KS, KY, LA, MA, MD, ME, MI, MO, MS, NC, ND, NE, NH, NJ, NV, NY, OH, OK, PA, RI, SC, SD, TN, TX, VA, VT, WI, and WV; and portions of AZ, NM, OR, UT, and WA. Mexico.	Endangered		
Northern long-eared Bat (<i>Myotis septentrionalis</i>)	Threatened		



United States Department of Interior
Fish and Wildlife Service

Project name: T Russell, Little Sand Bay Rd, Bayfield County

Critical habitats that lie within your project area

There are no critical habitats within your project area.



**Division of Transportation
System Development**
Northwest Region – Superior Office
1701 N 4th St.
Superior, WI 54880-1068

**Scott Walker, Governor
Mark Gottlieb, P.E., Secretary**
Internet: www.dot.wisconsin.gov

Telephone: 715-392-7925
Facsimile (FAX): 715-392-7863

E-mail: nwr.dtsd@dot.wi.gov

December 29, 2015

BAD RIVER BAND OF LAKE SUPERIOR
CHIPPEWA INDIANS OF WISCONSIN
P.O. BOX 39
ODANAH, WI 54861

Re: Notification and request for comments concerning Historic Properties

**I.D. 8357-01-02
T Russell, Little Sand Bay Road
Old CTH K – Termini
Town Road
Bayfield County**

WESTBROOK ASSOCIATED ENGINEERS, INC. is under contract with the Town of Russell in conjunction with the Wisconsin Department of Transportation for the design of a pulverize and overlay with shoulder reconstruction on Little Sand Bay Road. The project is 2.6 miles long and is located in Section 4, T51N, R4W, Section 32 & 33, T52N, R4W, Town of Russell, Bayfield County, Wisconsin. (See Exhibit A - Project Location Map).

The existing roadway structure consists of a 22 ft asphalt surface with 3 ft gravel shoulders. Pavement condition is fair, but traveled way width is inadequate warranting pavement surface widening. (See Exhibit B - Site Photos)

The proposed horizontal alignment and vertical profile will match existing. The roadway from Old CTH K to Ridge Road will be pulverized and overlaid with a proposed driving surface consisting of a 30 ft asphalt driving surface with 6" gravel shoulders. From Ridge Road to the project Termini at Little Sand Bay Campground, 3 ft asphalt and 6' gravel shoulders will be added to the existing 12 ft travel lanes. Two existing culvert pipes will also be replaced. (See Exhibit C – Project Overview)

On February 10th, 2016 at 6:00 P.M. a public information meeting will be held at the Russell Town Garage, 35900 STH 13, Bayfield, WI 54814, to familiarize interested parties with the project. In the near future, cultural resource investigation studies will be conducted for the above project. These investigations will enable WisDOT to determine whether historical properties as defined in 36 CFR 800 are located in the project area. Other environmental studies will also be conducted and may include; wetland identification, endangered species survey, contaminated material investigations, soil testing, and right-of-way surveys. Information obtained from these studies will assist the engineers in the design to avoid, minimize or mitigate the proposed project's effect upon cultural and natural resources.

WisDOT would be pleased to receive any comments or information you wish to share pertaining to cultural resources located in the project area. Please let us know if your tribe wishes to become a consulting party under Section 106 of the National Historic Preservation Act or would like to receive any additional information regarding this proposed project. Please contact:

Jeffrey Olson P.E.
Northwest Region Local Program Project Manager
1701 N 4th Street
Superior, WI 54801
(715) 395-3032

Sincerely,

Jeffrey Olson ADD YOUR INITIALS HERE

Organization	Name	Office Name	Address	City	State	Zip
Bad River Band of Lake Superior <i>Chippewa Indians of Wisconsin</i>	Attn: Edith Leoso, THPO		P.O. Box 39	Odanah	WI	54861
Fond du Lac Band of Lake Superior <i>Chippewa</i>	Attn: Marcus Ammesmaki, THPO		1720 Big Lake Road	Cloquet	MN	55720
Forest County Potawatomi Community of Wisconsin	Attn: Melissa Cook, THPO	Tribal Office	P.O. Box 340	Crandon	WI	54520
Lac Courte Oreilles Band of Lake Superior <i>Chippewa Indians of Wisconsin</i>	Attn: Jerry Smith, THPO	Tribal Office	13394 W. Trepania Road	Hayward	WI	54843
Lac du Flambeau Band of Lake Superior <i>Chippewa Indians of Wisconsin</i>	Attn: Melinda Young, THPO	Tribal Historic Preservation Office	P.O. Box 67	Lac du Flambeau	WI	54538
Lac Vieux Desert Band of Lake Superior <i>Chippewa Indians</i>	Attn: giilwegiizhigookway Martin, THPO	Ketegitigaaning Ojibwe Nation	P.O. Box 249	Watersmeet	MI	49969
Menominee Indian Tribe of Wisconsin	Attn: Dave Grignon, THPO		P.O. Box 910	Keshena	WI	54135
Prairie Band Potawatomi Nation	Attn: Hattie Mitchell		16281 Q Road	Mayetta	KS	66509
Red Cliff Band of Lake Superior <i>Chippewa Indians of Wisconsin</i>	Attn: Larry Balber, THPO		88385 Pike Road, Highway 13	Bayfield	WI	54814
Sac and Fox Nation of Missouri in Kansas and Nebraska	Attn: Gary Bahr		305 N. Main	Reserve	KS	66434
Sac and Fox Nation of Oklahoma	Attn: Sandra Massey, NAGPRA Rep.		RR 2, Box 246	Stroud	OK	74079
Sac and Fox of the Mississippi in Iowa	Attn: Jonathan Buffalo, NAGPRA Rep.		349 Meskwaki Road	Tama	IA	52339
Sokaogon Chippewa Community Mole Lake Band	Attn: Chris McGeshick, Chairman		3051 Sand Lake Road	Crandon	WI	54520
St. Croix Band Chippewa Indians of Wisconsin	Attn: Wanda McFaggen, THPO	Tribal Historic Preservation Office	24663 Angeline Ave.	Webster	WI	54893

EXHIBIT A

PROJECT LOCATION MAP

Little Sand Bay Road,
Town of Russell,
Bayfield County

BAYFIELD COUNTY

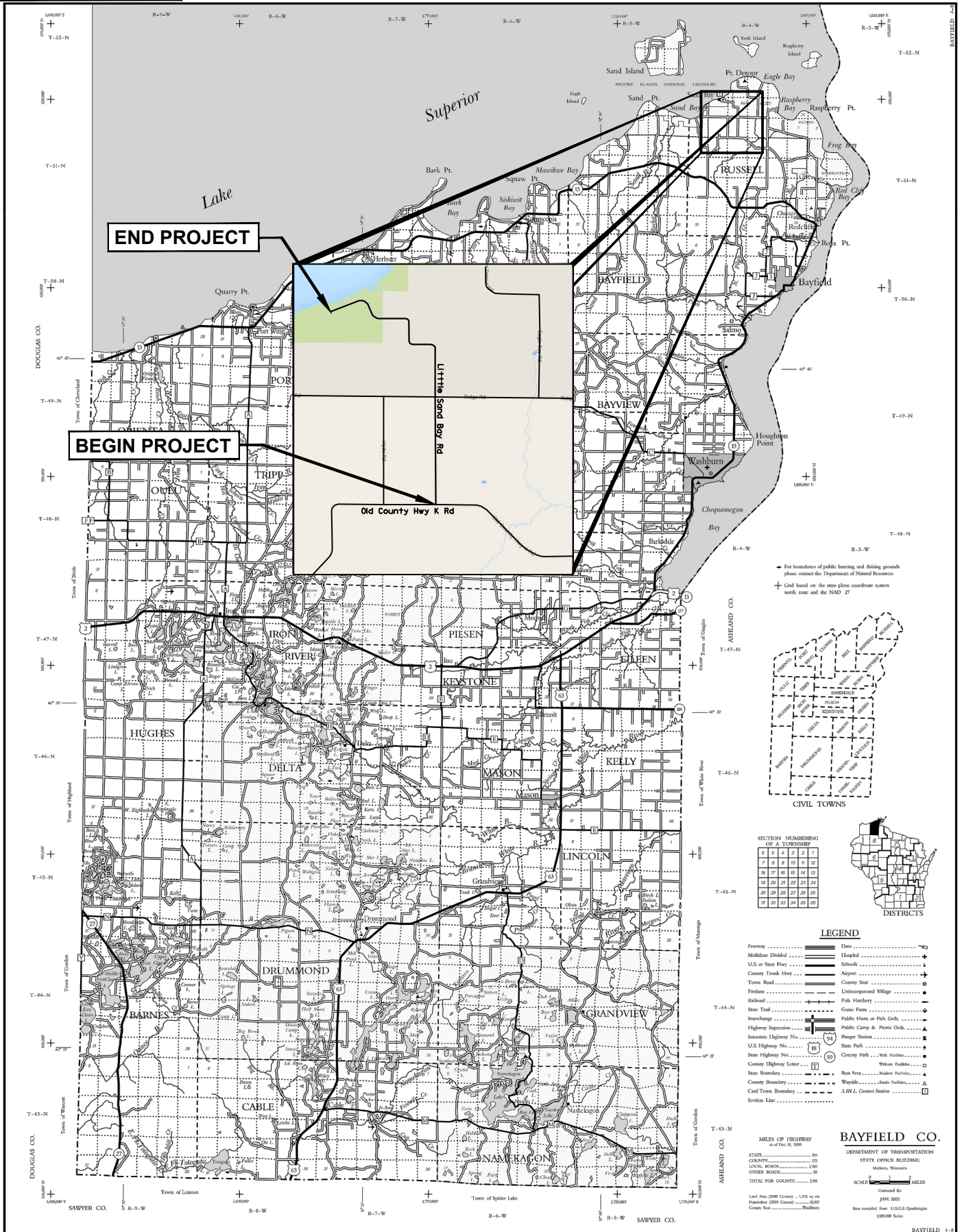


EXHIBIT B
SITE PHOTOS



Figure 1- Little Sand Bay Road Looking North



Figure 2- Little Sand Bay Road Looking North



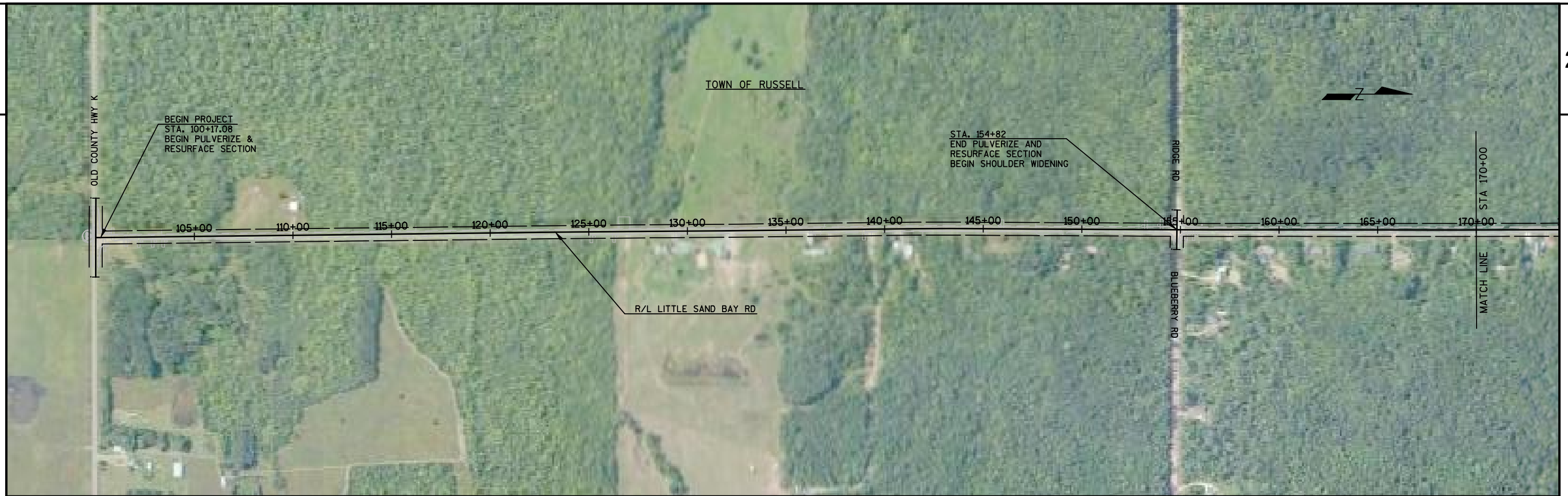
Figure 3- Little Sand Bay Road Looking North



Figure 4- Little Sand Bay Road Looking West

EXHIBIT C

PROJECT OVERVIEW



Jeffrey Olson P.E.
Northwest Region Local Program Project Manager

Cc: Jim Becker, WisDOT Environmental Services
Steve Krebs, WisDOT Director of Technical Services
Amy Adrihan, NW Region Environmental Coordinator
Brent Pickard, NW Region Tribal Liaison
Knight Engineers & Architects, Northwest Region Local Program Management Consultant
Westbrook Associated Engineers, Inc., Design Consultant

Attachments: Exhibit A – Project Location Map
Exhibit B – Site Photos
Exhibit C – Project Overview

EXHIBIT D

FACTOR SHEET C7

THREATENED AND ENDANGERED SPECIES EVALUATION

Wisconsin Department of Transportation

Factor Sheet C-7

Alternative Little Sand Bay Road Rehabilitation and Shoulder Widening	Total Length of Center Line of Existing Roadway 2.6 miles Length of This Alternative 2.6 miles
Preferred <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None identified	

1. Are there any known threatened or endangered species in the vicinity of the project?

- ☐ None identified
☒ Yes - Identify the species and indicate its status on Federal or State lists:

Species Common Name	Species Scientific Name	Federal Status	State Status	Affected by Project? Y/N
Plants				
Fassett's Locoweed	<i>Oxytropis Campestris</i> Var. <i>Chartacea</i>	Threatened	Endangered	N
Animals				
Canada Lynx	<i>Lynx Canadensis</i>	Threatened	N/A	N
Gray Wolf	<i>Canis Lupus</i>	Endangered	Special Concern	N
Northern Long-Eared Bat	<i>Myotis Septentrionalis</i>	Threatened	Threatened	N
Other				

2. Explain How a Species Is or Is Not Affected by the Action:

- ☒ Species Not Affected:
 Fassett's Locoweed:
 No critical habitat has been designated for this species which is found in sandy lakeshores.
 Canada Lynx:
 Although potential habitat is available in the area there is no known population of Canada lynx in Wisconsin.
 Gray Wolf:
 No critical habit within work area and no work will be done outside existing Right-of-Way.
 Northern Long-Eared Bat:
 No effect on habitat as no structures present and the removal of trees is not expected.
☐ Species Affected:

3. Describe Coordination:

U.S. Fish & Wildlife Service:

- ☐ Has Section 7 coordination been completed?
☐ No
☒ Yes - Describe mitigation required to protect the federally listed endangered species:

No work is anticipated outside of the existing right-of-way and no potential habitat will be destroyed.

WDNR

- ☐ Has coordination with DNR been completed?
☐ No
☒ Yes - Describe mitigation required to protect the state-listed species:

In the initial correspondence with the Wisconsin DNR it was determined that no Endangered Resources or suitable habit that could be impacted by this project are known or likely to occur in the project area or its vicinity.

EXHIBIT E

**PHASE I HAZARDOUS MATERIALS
ASSESSMENT SITE SURVEY**

WisDOT Phase 1 Hazardous Materials Assessment Site Summary

(rev. 10/7/2005)

WisDOT Project ID: 8357-01-02/72**Highway/Street: Little Sand Bay Road****Termini/Limits: Old County Highway K – Termini, Town of Russell****County: Bayfield****Property Information:**

Site Name(s): Little Sand Bay Road

DOT parcel number (if known):

Property Address: Little Sand Bay Road

Owner's Name: Town of Russell

Owner's Address: Russell Town Garage, # 35900 STH 13, Bayfield, WI 54814

Owner's Phone: (715) 779-5338

Current Land Use: Highway

Past Land Use: Highway

Real Estate Requirements:☐ None ☐ Total take ☐ Strip acquisition of ft☐ Temporary Limited Easement (TLE)☒ Permanent Limited Easement (PLE)☐ Other (describe) Highway Easement**Construction Requirements:**☒ Excavation within current right of way to 10 feet☐ Excavation within proposed right of way to feet☐ Excavation within easement to 2 feet☐ Public or private utility or sanitary or storm sewer installation or excavation to feet**Information from database searches and interviews:**

Department of Commerce (DCOMM)

☐ site has registered tanks ☐ ASTs ☐ USTs☐ tanks are currently in use☐ tanks are abandoned date:

Tank contents:

☐ Leaded gasoline ☐ Unleaded gasoline ☐ Fuel Oil ☐ Diesel☐ Kerosene ☐ Unknown ☐ Other (describe)☐ site is a DCOMM administered LUST site; DCOMM ID number:☐ site is a closed DCOMM LUST site; closure date:

Department of Natural Resources (DNR)

☐ site is a DNR administered LUST site; BRRTS number:☐ site is a DNR administered ERP site; BRRTS number:☐ site is a closed ☐ LUST ☐ ERP site; closure date:☐ site is a landfill☐ site is an abandoned waste disposal site☐ site is a hazardous waste generator☐ Other (please describe)

Sanborn Maps: site is a on map dated . Comments:

WisDOT historic plan sets: site is a on project dated . Comments:

Business directories: site is a in the directory dated . Comments:

Aerial photos: site is a _____ on photo dated _____. Comments:

☐ Contamination discovered at _____ feet during utility or other excavation in the area. Indicate location on site map.

Interview Information or other comments: The county is unaware of any hazardous materials near the project.

Visual Evidence of Potential Contamination: (include additional information in space provided)

☒ No evidence of tanks

☐ USTs ☐ ASTs Location, number and condition of tanks, contents, comments:

Location in relationship to current right of way: ☐ map attached

Location in relationship to proposed right of way: ☐ map attached

☐ Drums ☐ Stained soils ☐ Odor ☐ Sheen on surface water ☐ Areas of excavation

☐ Areas of fill ☐ Stressed vegetation ☐ Pond(s) ☐ Basins/sumps ☐ Monitoring wells

☐ Soil borings

Comments:

Potential for Contaminant Migration: (attach supporting documentation such as plume maps, summaries of site investigation or closure reports).

☐ Property is a potential source of contamination

☐ Adjacent property is a potential source of contamination. Include site name or BRRTS number if known, describe location, include contaminant type and any additional information.

☐ Contaminated soil known to be within proposed right of way from _____ feet to _____ feet below ground surface

☐ Contaminated groundwater known to be within proposed right of way at _____ feet below ground surface.

☐ Contaminated soil or groundwater within existing right of way. Attach copy of most recent investigation and plume maps.

Attachments – required

☐ Site photographs and a site map showing areas of concern

☐ Plat map showing parcel and any proposed areas of acquisition or easement

☐ Historic aerial photos of site - clearly outline site

☐ Historic WisDOT or other as-builts and plat maps - clearly outline site

☐ Plume maps for known contamination. Indicate existing or proposed right of way where applicable.

Recommendations

☒ No additional hazardous materials investigation is required.

☐ If construction or real estate requirements change, evaluation of need for further investigation will be necessary.

☐ Information is sufficient to use Standard Special Provisions. Copy of completed Standard Special Provision is attached.

☐ Conduct additional investigation

☐ Phase 2 (determine if contamination is present)

☐ Phase 2.5 (determine extent of contamination within existing R/W only)

☐ Phase 3 (determine full extent of contamination prior to acquisition)

☐ Phase 4 (remediate site)

☐ Other (describe)

Prepared by: Aaron Palmer, P.E., Westbrook Associated Engineers, Inc. on 12/7/2015

Recommendations accepted by (name and title): Paul Tribovich, Chairman, Town of Russell, on

Signature: _____

1/21/16



EXHIBIT F

SECTION 106 – Screening List, ARCHAEOLOGICAL REPORT



SECTION 106 REVIEW ARCHAEOLOGICAL/HISTORICAL INFORMATION

Wisconsin Department of Transportation
DT1635 6/2014

17-0084/BA
SHPO

For instructions, see [FDM Chapter 26](#).

I. PROJECT INFORMATION

☐ Amended Submittal (include new information only)

Project ID 8357-01-02	Highway – Street Little Sand Bay Road	County Bayfield
Project Termini Old CTH K - Termini		Region – Office NW
Regional Project Engineer – Project Manager Jeff Olson, NW Region LP		(Area Code) Telephone Number (715) 395-3032
Consultant Project Engineer – Project Manager Aaron Palmer - Westbrook Associated Engineers, Inc.		(Area Code) Telephone Number (608) 588-7866
Archaeological Consultant Archaeological Research, Inc.		(Area Code) Telephone Number (608) 836-8677
Architecture/History Consultant N/A		(Area Code) Telephone Number N/A
Date of Need 12/05/2016		SHSW Number
Return a Signed Copy of This Form to Ryan McKane, Knight E/A Inc, rmckane@knightea.com, 608-713-9274		

II. PROJECT DESCRIPTION

Project Length 2.631 miles	Land to be Acquired: Fee Simple 0 acres	Land to be Acquired: Easement 0.41 acres
-------------------------------	--	---

Distance as measured from existing centerline	Existing	Proposed	Other Factors	Existing	Proposed
Right-of-Way Width	33'	33'	Terrace Width	N/A	N/A
Shoulder	Varies 0' - 3'	3' Paved 0.5' Unpaved	Sidewalk Width	N/A	N/A
Slope Intercept	4:1 Typical	Varies 2:1 - 3:1	Number of Lanes	2	2
Edge of Pavement	Varies 11' - 12'	14'	Grade Separated Crossing	N/A	N/A
Back of Curb Line	N/A	N/A	Vision Triangle 0.06 acres	0 Acres	0.06 Acres
Realignment	N/A	N/A	Temporary Bypass 0 acres	N/A	N/A
Other – List: N/A	N/A	N/A	Stream Channel Change	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Attach Map(s) that Depict "Maximum" Impacts.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Tree Topping and/or Grubbing	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Brief Narrative Project Description: Include all ground disturbing activities. For archaeology, include plan view map indicating the maximum area of ground disturbance and/or new right-of-way, whichever is greater. Include all temporary, limited and permanent easements. For amendments (e.g. design refinements, scope changes, etc) description should only include new/added project actions and materials.

Little Sand Bay Road is located in Section 04, T51N, R04W and Section 32/33 T52N, R04W, Town of Russell, in Bayfield County. Proposed construction activities will include pulverizing Little Sand Bay Road from Old CTH K to Ridge Road, widening the shoulders of Little Sand Bay Road from Ridge Road to Termini, and replacing two culverts located within the shoulder widening section. The pulverized section will be pulverized to its full depth. A 2-inch layer of base aggregate will be placed on top of the pulverized material, followed by a 2 ½-inch layer of HMA pavement. The proposed typical section will consist of 11-foot driving lanes, 3 foot paved shoulders and 0.5-foot gravel shoulders. From Ridge Road to Termini, the existing asphaltic driving surface will remain and the shoulders will be widened to 3-foot paved shoulders and 0.5-foot unpaved shoulders. No work shall be conducted outside of the existing Right-of-Way. The purchase of 0.41 acres of permanent easement is required for vision triangles at the intersection of Little Sand Bay Road and Old CTH K and for the maintenance access of culverts. Ground disturbing activities include grading, excavation, and the replacement of two culverts. The project includes pulverize and relay, grading, base aggregate, and HMA pavement.

☐ Add continuation sheet, if needed.

SECTION 106 REVIEW ARCHAEOLOGICAL/HISTORICAL INFORMATION (continued)

Wisconsin Department of Transportation DT1635

III. CONSULTATION

How has notification of the project been provided to:

- | | | |
|---|--|--|
| <input checked="" type="checkbox"/> Property Owners | <input checked="" type="checkbox"/> Historical Societies/Organizations | <input checked="" type="checkbox"/> Native American Tribes |
| <input checked="" type="checkbox"/> Public Information Meeting Notice | <input checked="" type="checkbox"/> Public Information Meeting Notice | <input type="checkbox"/> Public Info. Mtg. Notice |
| <input type="checkbox"/> Letter - Required for Archaeology | <input type="checkbox"/> Letter | <input checked="" type="checkbox"/> Letter |
| <input type="checkbox"/> Telephone Call | <input type="checkbox"/> Telephone Call | <input type="checkbox"/> Telephone Call |
| <input type="checkbox"/> Other: | <input type="checkbox"/> Other: | <input type="checkbox"/> Other: |

Attach one copy of the base letter, list of addresses and comments received. For history include telephone memos as appropriate.

IV. AREA OF POTENTIAL EFFECTS – APE**ARCHAEOLOGY:** Area of potential effect for archaeology is the existing and proposed ROW, temporary and permanent easements. Agricultural practices do not constitute a ground disturbance exemption.**HISTORY:** Describe the area of potential effects for buildings/structures.

The APE for this project includes all properties adjacent to the project corridor that may be affected by the project.

V. PHASE I – ARCHAEOLOGICAL OR RECONNAISSANCE HISTORY SURVEY NEEDED

ARCHAEOLOGY	HISTORY
<input checked="" type="checkbox"/> Archaeological survey is needed	<input type="checkbox"/> Architecture/History survey is needed
<input type="checkbox"/> Archaeological survey is not needed	<input checked="" type="checkbox"/> Architecture/History survey is not needed
<input type="checkbox"/> Screening list (date)	<input checked="" type="checkbox"/> Screening list 12/19/16 (date)
<input type="checkbox"/> Burial site in project area, Wis. Stat. 157.70 applies	<input type="checkbox"/> No structures or buildings of any kind within APE
	<input type="checkbox"/> Non-Survey History Documentation attached

VI. SURVEY COMPLETED

ARCHAEOLOGY	HISTORY
<input checked="" type="checkbox"/> NO archaeological sites(s) identified – ASFR attached	<input type="checkbox"/> NO buildings/structures identified – Report attached
<input checked="" type="checkbox"/> NO potentially eligible site(s) in project area – Phase I Report attached	<input type="checkbox"/> Potentially eligible buildings/structures identified in the APE – Report attached
<input type="checkbox"/> Potentially eligible site(s) identified-Phase I Report attached	<input type="checkbox"/> Avoided through redesign
<input type="checkbox"/> Avoided through redesign	<input type="checkbox"/> Previously listed/eligible property identified in the APE – Report attached
<input type="checkbox"/> Phase II conducted – go to VII (Evaluation)	
<input type="checkbox"/> Phase I Report – Cemetery/cataloged burial documentation	

VII. DETERMINATION OF ELIGIBILITY (EVALUATION) COMPLETED

<input type="checkbox"/> No arch site(s) eligible for NRHP – Phase II Report attached	<input type="checkbox"/> No buildings/structure(s) eligible for NRHP – DOE attached
<input type="checkbox"/> Arch site(s) eligible for NRHP – Phase II Report attached	<input type="checkbox"/> Building/structure(s) eligible for NRHP – DOE attached
<input type="checkbox"/> Site(s) eligible for NRHP – DOE attached	

VIII. COMMITMENTS/SPECIAL PROVISIONS – must be included with special provisions language

- ☐
- Per Wis. Stat. 157.70 obtain burial authorization from WHS one year prior to construction.

IX. PROJECT DECISION

- ☒ No historic properties (historical or archaeological) in the APE.
- ☐ No historic properties (historical or archaeological) affected.
- ☐ Historic properties (historical and/or archaeological) may be affected by project;
- ☐ Go to Step 4: Assess affects and begin consultation on affects.
- ☐ Documentation for Determination of No Adverse Effects is included with this form. WisDOT has concluded that this project will have No Adverse Effect on historic properties. Signature by SHPO below indicates SHPO concurrence in the DNAE and concludes the Section 106 Review process for this project.

X. SIGNATURES

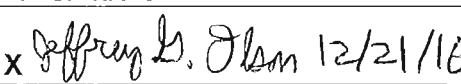



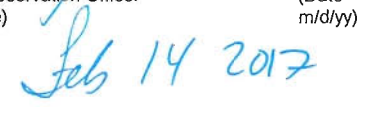
X  12/21/16	X  1/30/17	X 
(Regional Project Manager Signature)	(WisDOT Historic Preservation Officer Signature)	(State Preservation Officer Signature)
(Date – m/d/yy)	(Date – m/d/yy)	(Date – m/d/yy)
X  12/12/16		
(Consultant Project Manager Signature)		
(Date – m/d/yy)		

EXHIBIT G

WETLAND INFORMATION



Wisconsin Department of Transportation

Division of Transportation System Development
Northwest Region

WETLAND IMPACT TRACKING FORM

****This form must be filled out for all projects.****

Return This Completed Form to:

Amy Adrihan
Environmental Coordinator
WisDOT - NW Region
1701 N. 4th Street
Superior, WI 54880
Phone: (715) 392-7972
amy.adrihan@dot.wi.us

Please Complete All
Information Highlighted In
Yellow

WisDOT Regional
Environmental Coordinator
(REC) Will Complete Sections
Highlighted In Green

Project Design I.D. #: 8357-01-02
Project Construction I.D. #: 8357-01-72
Hwy/ Project Title : T Russell, Little Sand Bay Road
Old CTH K - Termini
County : Bayfield
Construction Year : 2017
Date this form is completed: 07/06/2016
Date this form is approved: 9/21/2016

This Form Prepared by:

Erik Meyer 608-588-7866 emeyer@westbrookeng.com
NAME PHONE EMAIL

This Form Approved by:

Amy Adrihan 715-392-7972 amy.adrihan@dot.wi.gov
NAME PHONE EMAIL

Is a discharge of dredged or fill material into wetlands anticipated?

NO ☐ **⇒ Form complete; no further information is required (RETURN FORM TO REC).**

YES ☒ **⇒ 1. Complete remainder of form:**
- After final wetland impacts are determined, complete yellow portions on both pages of this form and submit to REC for finalization and approval.
2. Include this final APPROVED form with DNR 401 and USACE 404 permit applications.
3. After receiving USACE 404 permit and DNR 401 final concurrence, return this final APPROVED form to REC along with copy of USACE 404 permit, DNR 401 final concurrence letter, and D size plan sheet showing wetland impact areas.

Wetland Delineation/

Determination completed by:

Ann M. Key 715-892-4211 ann@wetlandsandwater.com
NAME PHONE EMAIL

WDNR Professionally Assured Wetland Delineator
QUALIFICATIONS

Describe methods used to avoid and minimize impacts to wetlands:

A 3:1 slope or steeper is being utilized throughout the project in order to match as closely as possible the existing flowline.

Was professional discretion used to determine debit ratio?

No ☐
Yes ☒

Describe discretionary
rationale below:

WETLAND IMPACT / REPLACEMENT SUMMARY

Type Impacted	Area Impacted	Type Mitigated	Area Mitigated
AB	-	AB	-
BOG	-	BOG	-
DM	-	DM	-
M	0.04	M	0.04
RPE	-	RPE	-
RPF	0.01	RPF	-
SM	-	SM	-
SS	0.04	SS	0.04
WS	0.11	WS	0.12
AB(D)	-	TOTAL	0.20
DM(D)	-		
M(D)	-		
RPE(D)	-		
RPF(D)	-		
SM(D)	-		
SS(D)	-		
WS(D)	-		
TOTAL	0.20		

**WETLAND IMPACT TRACKING FORM - PAGE 2**
DETAILED TABLE OF WETLAND IMPACTS**Directions to complete Page 2:**

- One location may be made up of several different wetland types. List each type of wetland impacted from each location on the project corridor separately in the table below.
- The Environmental Coordinator will enter the appropriate ratio and bank information.
- Use Department of Transportation Wetland Classification System:
<http://roadwaystandards.dot.wi.gov/standards/fdm/24-05-010att.pdf#fd24-5a10.2>
- Total areas should be reported to the **nearest 0.01 acre**. Any impacts less than 0.01 acre should be rounded up to 0.01 acre.

Point #	Wetland ID	Impact Location (project station)	Lat/Long	Type Impacted	Area Impacted	DOT REC will provide this information.		
						Debit Ratio	Type Mitigated	Area Mitigated
	Wetland 1	STA. 100+88 - STA. 102+49 (LT & RT)	Lat: Long:	SS	0.010	1.000	SS	0.010
	Wetland 2	STA. 104+00 - STA. 113+20 (LT & RT)	Lat: Long:	M	0.010	1.000	M	0.010
	Wetland 2	STA. 104+00 - STA. 113+20 (LT & RT)	Lat: Long:	SS	0.010	1.000	SS	0.010
	Wetland 6	STA. 125+86 - STA. 128+25 (LT & RT)	Lat: Long:	M	0.010	1.000	M	0.010
	Wetland 12	STA. 159+39 - STA. 188+40 (LT & RT)	Lat: Long:	WS	0.030	1.000	WS	0.030
	Wetland 12	STA. 159+39 - STA. 188+40 (LT & RT)	Lat: Long:	RPF	0.010	1.300	WS	0.013
	Wetland 14	STA. 190+33 - STA. 192+95 (LT & RT)	Lat: Long:	WS	0.010	1.000	WS	0.010
	Wetland 16	STA. 197+30 - STA. 212+30 (LT & RT)	Lat: Long:	WS	0.023	1.000	WS	0.023
	Wetland 18	STA. 211+11 - STA. 214+00 (LT & RT)	Lat: Long:	M	0.010	1.000	M	0.010
	Wetland 18	STA. 211+11 - STA. 214+00 (LT & RT)	Lat: Long:	SS	0.010	1.000	SS	0.010
	Wetland 19	STA. 214+77 - STA. 2321+59 (LT & RT)	Lat: Long:	WS	0.040	1.000	WS	0.040
	Wetland 19	STA. 214+77 - STA. 2321+59 (LT & RT)	Lat: Long:	SS	0.010	1.000	SS	0.010
	Wetland 19	STA. 214+77 - STA. 2321+59 (LT & RT)	Lat: Long:	M	0.010	1.000	M	0.010
			Lat: Long:					0.000
			Lat: Long:					0.000
			Lat: Long:					0.000

Is there potential for onsite mitigation? If unknown, check with the REC.

YES

Where is it located? (T/R, station, map)

NO

List bank site to be used. **(Determined by REC)**

Bear Trap Creek Wetland Mitigation Bank Site

Please attach another sheet if the space provided is not adequate for all impacts or to add any additional comments.

WETLANDS EVALUATION

(9/2013)

Wisconsin Department of Transportation

Factor Sheet C-1

Alternative Roadway Rehabilitation with Shoulder Widening	Total Length of Center Line of Existing Roadway 2.629 mi Length of This Alternative 2.629 mi
Preferred <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None identified	

1. Describe Wetlands:

	Wetland 1		Wetland 2		Wetland 3	
Name (if known) or wetland number¹	1		2		6	
County	Bayfield		Bayfield		Bayfield	
Location (Section-Township-Range)	4-T51N-R04W		4-T51N-R04-W		4-T51N-R04W	
Location (Latitude)						
Location (Longitude)						
Location Map	See Exhibit A		See Exhibit A		See Exhibit A	
Wetland Type(s)²	SS, M		SS, M		M	
Wetland Loss	Acres 0.010		Acres 0.020		Acres 0.010	
Wetland is: (Check all that apply)³	Yes	No	Yes	No	Yes	No
• Isolated from stream, lake or other surface water body	X		X		X	
• Not contiguous (in contact with) a stream, lake, or other water body, but within 100-year floodplain	X		X		X	
• If adjacent or contiguous, identify stream, lake or water body						

¹Use wetland numbering from the project wetland delineation report.
²Use wetland types as specified in the "WisDOT FDM 24-5 Attachment 10.2 Wetland Type Correspondence Table"
³If wetland is contiguous to a stream, complete Factor Sheet C-2, Rivers, Streams and Floodplains Impact Evaluation. If wetland is contiguous to a lake or other water body, complete Factor Sheet C-3, Lake or Water Body Impact Evaluation.

	Wetland 4		Wetland 5		Wetland 6	
Name (if known) or wetland number¹	12		14		16	
County	Bayfield		Bayfield		Bayfield	
Location (Section-Township-Range)	33-T52N-R04W		33-T52N-R04W		33-T52N-R04W	
Location (Latitude)						
Location (Longitude)						
Location Map	See Exhibit A		See Exhibit A		See Exhibit A	
Wetland Type(s)²	WS, RPF		WS		WS	
Wetland Loss	Acres 0.020		Acres 0.010		Acres 0.023	
Wetland is: (Check all that apply)³	Yes	No	Yes	No	Yes	No
• Isolated from stream, lake or other surface water body	X		X		X	
• Not contiguous (in contact with) a stream, lake, or other water body, but within 100-year floodplain	X		X		X	
• If adjacent or contiguous, identify stream, lake or water body						

¹Use wetland numbering from the project wetland delineation report.
²Use wetland types as specified in the "WisDOT FDM 24-5 Attachment 10.2 Wetland Type Correspondence Table"
³If wetland is contiguous to a stream, complete Factor Sheet C-2, Rivers, Streams and Floodplains Impact Evaluation. If wetland is contiguous to a lake or other water body, complete Factor Sheet C-3, Lake or Water Body Impact Evaluation.

	Wetland 7		Wetland 8		Wetland 9	
Name (if known) or wetland number ¹	18		19			
County	Bayfield		Bayfield			
Location (Section-Township-Range)	33-T52N-R04W		33-T52N-R04W			
Location (Latitude)						
Location (Longitude)						
Location Map	See Exhibit A		See Exhibit A		See Exhibit _____	
Wetland Type(s) ²	M, SS		WS, SS, M			
Wetland Loss	Acres 0.020		Acres 0.060		Acres	
Wetland is: (Check all that apply) ³	Yes	No	Yes	No	Yes	No
• Isolated from stream, lake or other surface water body	X		X			
• Not contiguous (in contact with) a stream, lake, or other water body, but within 100-year floodplain	X		X			
• If adjacent or contiguous, identify stream, lake or water body						

¹Use wetland numbering from the project wetland delineation report.
²Use wetland types as specified in the "WisDOT FDM 24-5 Attachment 10.2 Wetland Type Correspondence Table"
³If wetland is contiguous to a stream, complete Factor Sheet C-2, Rivers, Streams and Floodplains Impact Evaluation. If wetland is contiguous to a lake or other water body, complete Factor Sheet C-3, Lake or Water Body Impact Evaluation.

2. Are any impacted wetlands considered "wetlands of special status" per WisDOT Wetland Mitigation Banking Technical Guideline, page 10 (6 categories)?

- ☒ No
☐ Yes:
- ☐ Advanced Identification Program (ADID) Wetlands
☐ Public or private expenditure has been made to restore, protect, or ecologically manage the wetland on either public or private land
☐ Other – Describe: _____

3. Describe proposed work in the wetland(s), e.g., excavation, fill, marsh disposal, other:

The proposed work in wetlands involves placing fill near the existing toe of slopes in order to meet WisDOT design standards for shoulder slopes. Two culverts crossing the road will also be replaced.

4. List any observed or expected waterfowl and wildlife inhabiting or dependent upon the wetland: (List should include permanent, migratory and seasonal residents).

5. Federal Highway Administration (FHWA) Wetland Policy:

- ☐ Not Applicable - Explain
- ☐ Individual Wetland Finding Required - Summarize why there are no practicable alternatives to the use of the wetland.
- ☒ Statewide Wetland Finding: **NOTE: All three boxes below must be checked for the Statewide Wetland Finding to apply.**
- ☒ Project is either a bridge replacement or other reconstruction within 0.3 mile of the existing location.
☒ The project requires the use of 7.4 acres or less of wetlands.
☒ The project has been coordinated with the DNR and there have been no significant concerns expressed over the proposed use of the wetlands.

6. Erosion control or storm water management practices which will be used to protect the wetland are indicated on form: (Check all that apply)

- ☐ Factor Sheet D-6, Erosion Control Evaluation.
☐ Factor Sheet D-5, Stormwater Evaluation.
☒ Neither Factor Sheet - Briefly describe measures to be used
In order to protect the wetland areas along the project the amount of land exposed will be minimized and silt fence will be utilized where necessary.

7. U S Army Corps of Engineers (USACE) Jurisdiction - Section 404 Permit (Clean Water Act)

- ☐ Not Applicable - No fill to be placed in wetlands or wetlands are not under USACE jurisdiction.
☒ Applicable - Fill will be placed in wetlands under the jurisdiction of the USACE.

Indicate area of wetlands filled: Acres 0.14

Type of 404 permit anticipated:

- ☐ Individual Section 404 Permit required.
☒ General Permit (GP) or Letter Of Permission (LOP) required to satisfy Section 404 Compliance.

Indicate which GP or LOP is required:

- ☒ **Non-Reporting GP** [GP-002-WI (*expires 5/31/16*) or GP-004-WI (*expires 12/31/17*)]
☐ **Reporting GP** [GP-002-WI, GP-003-WI (*expires 12/31/17*), or GP-004-WI]
☐ **Letter of Permission** [LOP-06-WI (*in effect 4/17/06, no expiration date*)]
☐ **Programmatic GP** [Applies to projects not covered under the DOT/DNR Cooperative Agreement]

8. Wisconsin Department of Natural Resources Coordination - Section 401 Water Quality Certification

- ☒ DNR has provided concurrence on the project wetland delineation. Received on: 09/21/2016 (Date)
☐ Other- Explain

9. Section 10 Waters (Rivers and Harbors Act). For navigable waters of the United States (Section 10) indicate which 404 permit is required:

- ☒ No Section 10 Waters
☐ Section 10 Waters
☐ **Reporting GP** [GP-003-WI (*expires 12/31/17*)]
☐ **Reporting GP** [GP-004-WI (*expires 12/31/17*)]

Indicate whether Pre-Construction Notification (PCN) to the USACE is:

- ☐ Not applicable.
☐ Required: Submitted on: (Date)

Status of PCN

USACE has made the following determination on: (Date)

USACE is in the process of review, anticipated date of determination is: (Date)

10. Wetland Avoidance and Impact Minimization: [Note: Required before compensation is acceptable]

A. Wetland Avoidance:

1. Describe methods used to avoid the use of wetlands, such as using a lower level of improvement or placing the roadway on new location, etc.:
The existing alignment was used along with the minimum allowable clear zone.

2. Indicate the total area of wetlands avoided:
Acres: 0.20

B. Minimize the amount of wetlands affected:

1. Describe methods used to minimize the use of wetlands, such as increasing side slopes or use of retaining walls or beam guard, equalizer pipes, upland disposal of hydric soils, etc.:
A 3:1 slope or steeper is being utilized throughout the project in order to match the existing flow line as close as possible.

2. Indicate the total area of wetlands saved through minimization:
Acres: 0.35

11. Compensation for Unavoidable Wetland Loss:

According to Section 404(b)(1), of the Clean Water Act, wetland compensatory mitigation procedures and sequencing will conform to the U.S. Army Corps of Engineers (USACE) and U.S. Environmental Protection Agency (EPA) joint rule on Compensatory Mitigation for Losses of Aquatic Resources (33 CFR Parts 325 and 332; and 40 CFR Part 230 - dated April 10, 2008). Compensatory mitigation will be consistent with amendments to the Cooperative Agreement between DNR and WisDOT on compensatory mitigation for unavoidable wetland losses (July 2012), and the WisDOT Interagency Coordination Agreement and Wetland Mitigation Banking Technical Guidelines with DNR, USACE, EPA, USFWS and FHWA (March 2002).

	Type	Acre(s) Loss	Ratio	Compensation Type and Acreage	
				On-site	DOT Mitigation Bank site
RPF(N)	Riparian wetland (wooded)	0.010	1.3		WS – 0.013 Acres
RPF(D)	Degraded riparian wetland (wooded)				
RPE(N)	Riparian wetland (emergent)				
RPE(D)	Degraded riparian wetland (emergent)				
M(N)	Wet and sedge meadows, wet prairie, vernal pools, fens	0.040	1.0		M – 0.040 Acres
M(D)	Degraded meadow				
SM	Shallow marsh				
DM	Deep marsh				
AB(N)	Aquatic bed				
AB(D)	Degraded aquatic bed				
SS	Shrub Swamp, shrub carr, alder thicket	0.040	1.0		SS – 0.040 Acres
WS(N)	Wooded swamp	0.103	1.0		WS – 0.103 Acres
WS(D)	Degraded wooded swamp				
Bog	Open and forested bogs				

D = Degraded

N = Non-degraded

12. If compensation is not possible within the drainage area and floristic province thru the use of the DOT mitigation bank, explain why and describe how a search for an on-site compensation site was conducted:

N/A


13. Summarize the coordination with other agencies regarding the compensation for unavoidable wetland losses. Attach appropriate correspondence.

The field delineation was performed by Ann Key of Wetlands & Waterways, LLC and the mitigation was determined by the WisDot NW Region environmental coordinator Amy Adrihan.


EXHIBIT A

WETLAND LOCATION MAP




WETLAND LOCATION MAP	APPROVED BY: AMK	THIS DRAWING AND ALL INFORMATION CONTAINED THEREON IS THE PROPERTY OF WETLANDS & WATERWAYS LLC, AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS FURNISHED.		PROJECT NUMBER: 316
	DRAWN BY: NLB			FIGURE NO.
	DATE: 5-24-16			2A
	SCALE: 1"=200'			
LITTLE SAND BAY ROAD SEC. 32 & 33, T52N, R4W, AND SEC. 4, T51N, R4W, TOWN OF RUSSELL, BAYFIELD COUNTY, WISCONSIN				



WETLAND LOCATION MAP LITTLE SAND BAY ROAD SEC. 32 & 33, T52N, R4W, AND SEC. 4, T51N, R4W, TOWN OF RUSSELL, BAYFIELD COUNTY, WISCONSIN	APPROVED BY: AMK	THIS DRAWING AND ALL INFORMATION CONTAINED THEREON IS THE PROPERTY OF WETLANDS & WATERWAYS LLC, AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS FURNISHED.		PROJECT NUMBER: 316
	DRAWN BY: N.B.			FIGURE NO.
	DATE: 5-24-16			2B
	SCALE: 1"=200'			



WETLAND LOCATION MAP LITTLE SAND BAY ROAD SEC. 32 & 33, T52N, R4W, AND SEC. 4, T51N, R4W, TOWN OF RUSSELL, BAYFIELD COUNTY, WISCONSIN	APPROVED BY: AMK	THIS DRAWING AND ALL INFORMATION CONTAINED THEREON IS THE PROPERTY OF WETLANDS & WATERWAYS LLC, AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS FURNISHED.		PROJECT NUMBER: 316
	DRAWN BY: N.B.			FIGURE NO.
	DATE: 5-24-16			2C
	SCALE: 1"=200'			

WETLAND LOCATION MAP

LITTLE SAND BAY ROAD
SEC. 32 & 33, T52N, R4W, AND SEC. 4, T51N, R4W,
TOWN OF BURGESS

APPROVED BY: AMK

THIS DRAWING AND ALL INFORMATION CONTAINED THEREON IS THE PROPERTY OF WETLANDS & WATERWAYS LLC, AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS SUBMITTED.



2D
FIGURE NO.
PROJECT NUMBER
316

