

# Information for File #2014-03609-DAS

**Applicant** Canadian Pacific Railway (CP)  
**Corps Contact** David Studenski  
**Address** 1114 South Oak Street, La Crescent, MN 55947  
**E-Mail** david.a.studenski@usace.army.mil  
**Phone** (651) 290-5902  
**Primary County** Houston  
**Section** 2, 11, 12 and 13  
**Township** 103 North  
**Range** 4 West  
**Information Complete On** June 29, 2015  
**Posting Expires On** July 30, 2015  
**Authorization Type** LOP-05-MN

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act. Our jurisdictional review and final jurisdictional determination could result in modifications to the scope of the project's regulated waterbody/wetland impacts and compensatory mitigation requirements identified above.

## Project Description and Purpose (As stated by the applicant):

The project would include the construction of a new, 12,000 foot siding track directly adjacent to the existing CP mainline on the Marquette Subdivision. The new siding would widen the existing rail bed by approximately 20 feet. An access road would be constructed at the north and south end of the proposed siding. The project would improve overall safety and efficiency of the applicant's operation in the area and on the Marquette Subdivision. The purpose of the project is to provide needed capacity to accommodate the growing demand for the shipment of freight and commodities along the Marquette Subdivision. This project was previously posted on the Corps of Engineers, St. Paul District's web site on March 13, 2015. The previous posting described an 11,000 foot siding track along the same rail corridor that included 1.83 acres of wetland impact. On June 29, 2015 and prior to a permit decision by the Corps, the applicant modified the project to increase the storage capacity from 9,000 feet to 10,000 feet by extending the original siding track approximately 1,000 feet to the north. As a result of the modification, the project now includes impacts to a wetland (Wetland 6) that was not considered in the original web posting and the total wetland impact has increased to 1.85 acres.

## Aquatic Resource Impacts (As stated by the applicant):

The project is located in the Coon-Yellow. Iowa, Minnesota, Wisconsin watershed of the Upper Mississippi Region. The project would include the discharge of dredged and fill material into 1.85 acres of wetland adjacent to the Mississippi River. The 1.85 acres of wetland impacts are identified as follows: 0.62 acre of fresh wet meadow wetland (Wetland 1) would be converted to upland for the construction of the rail siding and permanent impacts along the east side of the existing mainline from the placement of riprap outfalls at 15 locations (54 square feet per outfall) 0.07 acre of fresh wet meadow wetland (Wetland 2) would be converted to upland for the construction of the access road on the north end, 0.66 acre of fresh wet meadow wetland (Wetland 3) would be converted to upland for the construction of the rail siding, 0.42 acre of fresh wet meadow wetland (Wetland 4) would be converted to upland for the construction of the rail siding, 0.06 acres of shallow marsh wetland (Wetland 5) would be converted to upland for the construction of the rail siding, and 0.02 acres of wet meadow wetland (Wetland 6) would be converted to upland for the construction of the rail siding.

Alternatives Considered (As stated by the applicant):

Limitations by rail geometry, public and private crossings, bridge and other substantial structures, environmental concerns, ROW availability, and location relative to additional siding or other staging infrastructure limit where the construction of a two mile siding is feasible along the Marquette Subdivision. Constructing the project along the east side of the existing mainline would require higher amounts of permanent wetland impacts and potentially impacts federal property within the Upper Mississippi Fish and Wildlife Refuge.

Compensatory Mitigation:

The applicant is proposing to mitigate for unavoidable wetland impacts through the purchase of wetland mitigation banking credits at a ratio of 2:1. A total of 3.70 acres of fresh wet meadow wetland credit would be purchased from the Dan Ruby Mitigation Bank. The bank is located in Sec. 28 and 33, T. 101N, R. 35W, Jackson County, Minnesota. The bank is located in the same Bank Service Area (BSA 8) as the wetland impacts.

**Drawings**     See attached.



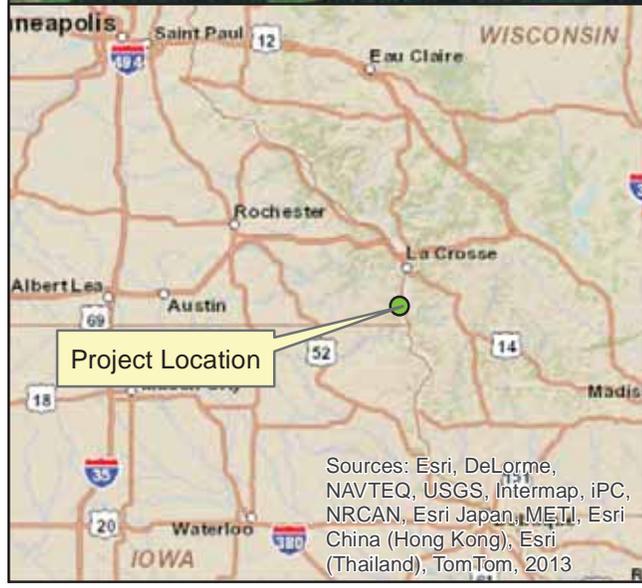
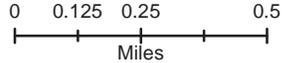
Brownsville Siding  
Ammended Joint  
Permit Application

Figure 1

**Legend**

 General Project Area

2



Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013  
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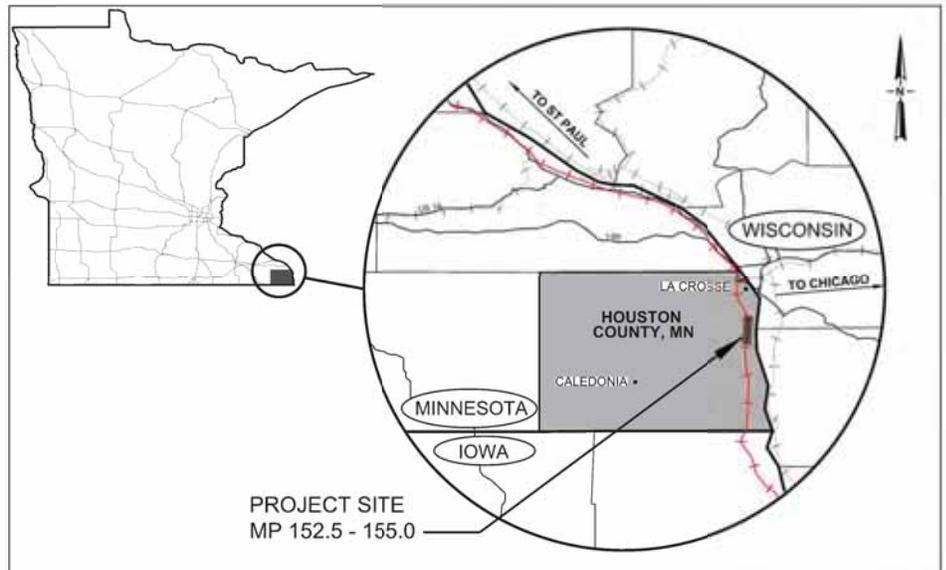
# BROWNSVILLE SIDING MP 111.0 MARQUETTE SUBDIVISION 2014 NETWORK CAPACITY PROGRAM

**CANADIAN  
PACIFIC**

PROJECT SERVICES - US NETWORK CAPACITY  
ENGINEERING SERVICES

PERMITTING SUBMITTAL  
MAY 1, 2015

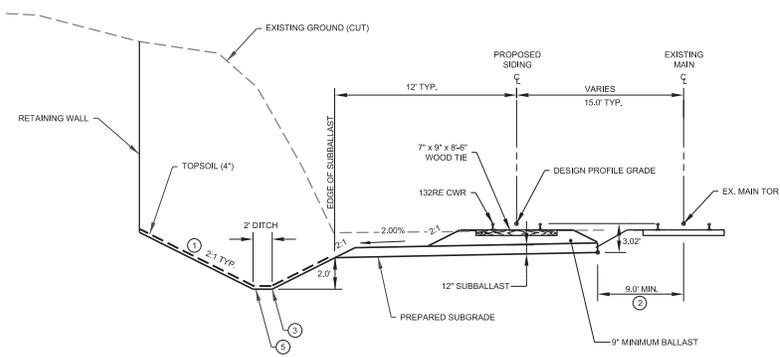
LIST OF PROJECT DRAWINGS		
SHEET #	SHEET TITLE	SHEET DESCRIPTION
1	CS-01	COVER SHEET
2	TS-01	TYPICAL SECTIONS
3	PP-01	PLAN AND PROFILE STA 5894+00 TO STA 5907+00
4	PP-02	PLAN AND PROFILE STA 5880+00 TO STA 5894+00
5	PP-03	PLAN AND PROFILE STA 5866+00 TO STA 5880+00
6	PP-04	PLAN AND PROFILE STA 5852+00 TO STA 5866+00
7	PP-05	PLAN AND PROFILE STA 5838+00 TO STA 5852+00
8	PP-06	PLAN AND PROFILE STA 5830+00 TO STA 5838+00
9	PP-07	PLAN AND PROFILE STA 5816+00 TO STA 5830+00
10	PP-08	PLAN AND PROFILE STA 5802+00 TO STA 5816+00
11	PP-09	PLAN AND PROFILE STA 5788+00 TO STA 5802+00
12	PP-10	PLAN AND PROFILE STA 5774+00 TO STA 5788+00
13	CRS1	CULVERT DETAILS
14-60	XS01-XS47	CROSS SECTIONS



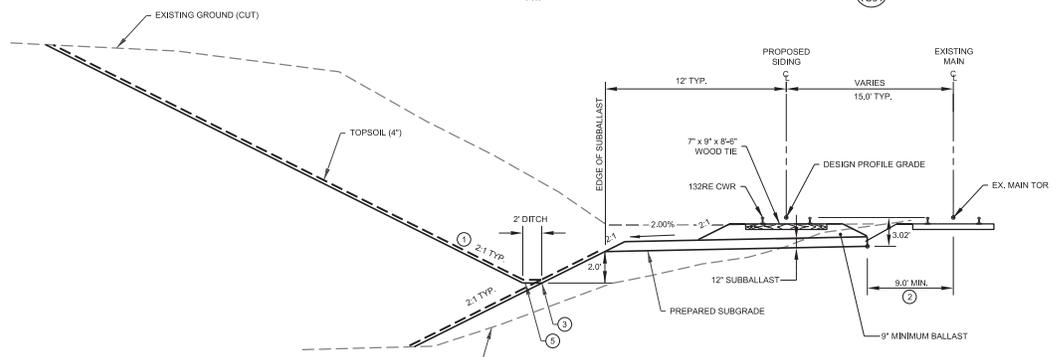
PROJECT SITE  
MP 152.5 - 155.0

VICINITY MAP  
N.T.S.





**NEW SIDING WITH RETAINING WALL** (A)  
N.T.S. (TS01)



**NEW SIDING** (B)  
N.T.S. (TS01)

- GENERAL NOTES**
- ① IF THE BACK SLOPE IS LESS THAN 1 FOOT HIGH, CONTRACTOR SHALL SLOPE EMBANKMENT AWAY FROM TRACK.
  - ② CONTRACTOR SHALL PERFORM NO WORK WITHIN 9' OF THE CENTERLINE OF THE MAIN TRACK. PLACE FIBER ROLL DITCH CHECKS AT APPROPRIATE INTERVALS.
  - ③ PLACE FIBER ROLL DITCH CHECKS AT APPROPRIATE INTERVALS ACROSS DITCH OR AT EDGE OF CONSTRUCTION LIMITS.
  - ④ HYDRO MULCH ALL SLOPES GREATER THAN 3:1.
  - ⑤ PLACE EROSION CONTROL BLANKET ON DITCH BOTTOM. TYPE OF BLANKET TO BE DETERMINED.
  - ⑥ ACTUAL TOP OF RAIL DIFFERENCES VARIES.
  - ⑦ DITCH DEPTH VARIES. SEE PROFILE FOR SPECIAL DITCHES.
  - ⑧ SIDING PROFILE APPROXIMATE TO MAIN. SEE PROFILE FOR FURTHER INFORMATION.

NOTE -



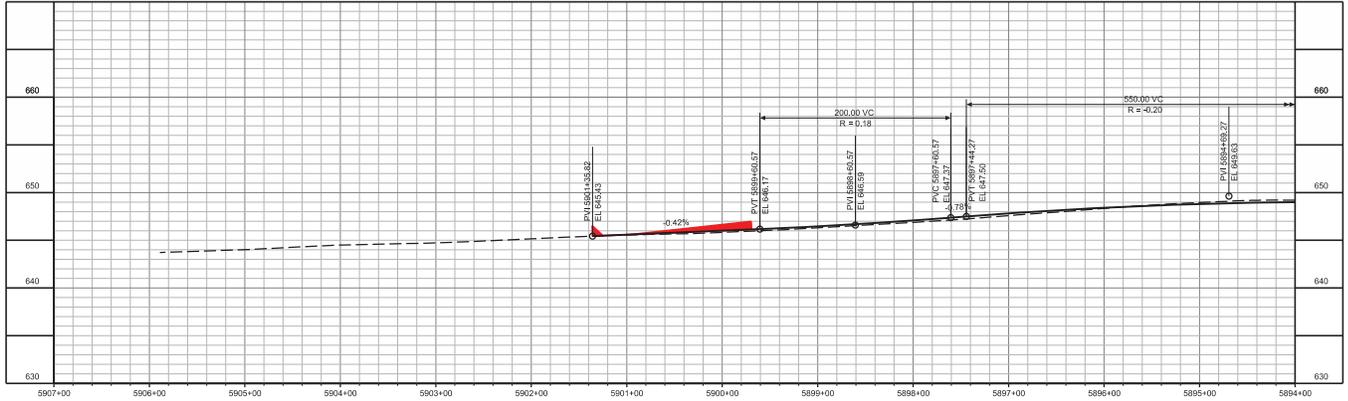
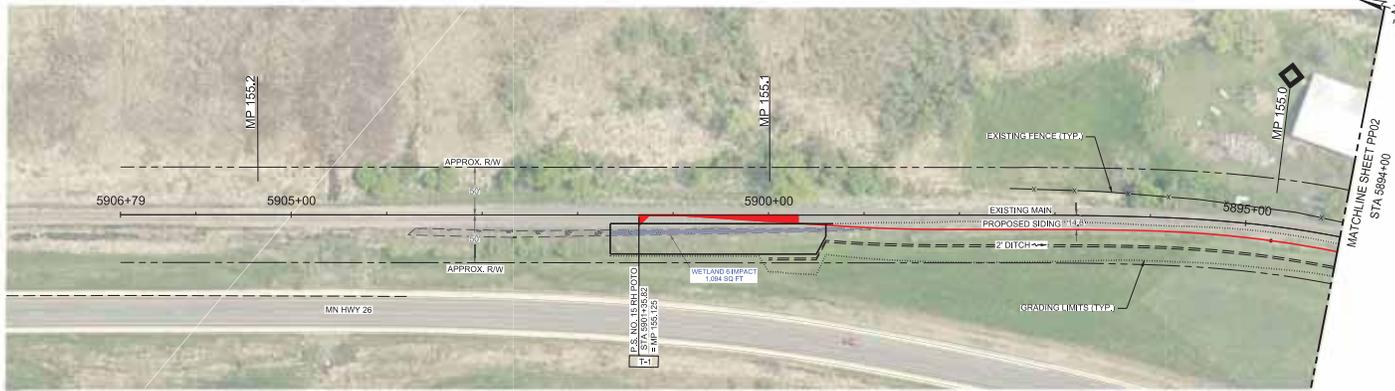
DSN BY: P.J.L. HDR Project No. CP136  
DRN BY: M.MO. CHK BY: N.K.S.

No.	DATE	REVISION	BY



PROJECT SERVICES - US NETWORK CAPACITY ENGINEERING SERVICES

U.S. DIVISION		BROWNSVILLE SIDING PROJECT TYPICAL SECTIONS	
APPROVED BY:	SHEET NO. TS01 OF TS01	DATE:	MAY 1, 2015
HDR PROJECT SERVICES - US:	CP PLAN NO.	HDR PLAN NO.	REV 0
	TS01		



NOTE -



DSN BY: P.J.L. HDR Project No. CP136  
 DRN BY: MMO CHK BY: NKS

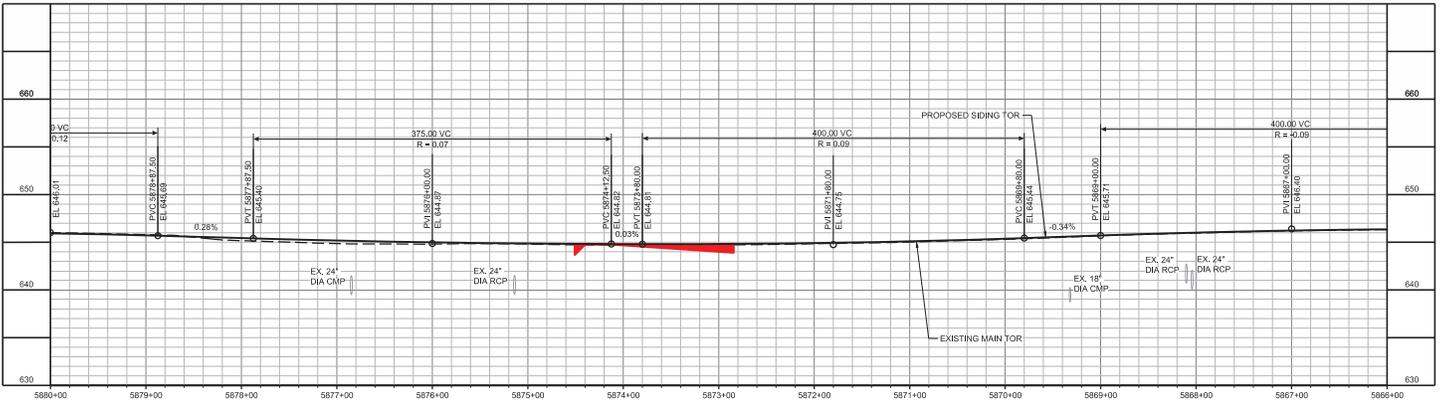
No.	DATE	REVISION	BY



U.S. DIVISION  
 BROWNSVILLE  
 SIDING PROJECT  
 STA 5894+00 TO STA 5907+00

APPROVED BY:	SHEET NO. 0001 OF PP10
	DATE: MAY 1, 2015
MGR. PROJECT SERVICES - US:	CP PLAN NO.
	HDR PLAN NO.
	PP01
	REV 0





NOTE -

**HR**

DSN BY: P.JL  
 DRN BY: MMO

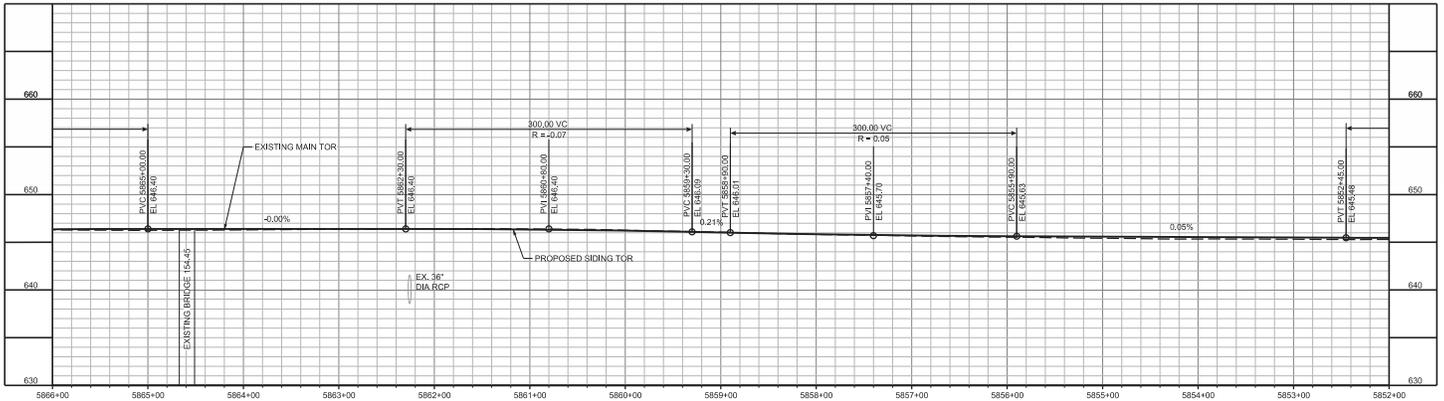
HR Project No. CP136  
 CHK BY: NKS

No.	DATE	REVISION	BY

**CP**

U.S. DIVISION  
 BROWNSVILLE  
 SIDING PROJECT  
 STA 5866+00 TO STA 5880+00

SHEET NO. 0003 OF PP10  
 DATE: MAY 1, 2015  
 CP PLAN NO.  
 HR PLAN NO.  
 MGR. PROJECT SERVICES - US: PP03 REV 0



NOTE -

**HR**

DSN BY: P.J.L.    HDR Project No. CP136  
 DRN BY: M.M.O.    CHK BY: N.K.S.

No.	DATE	REVISION	BY



U.S. DIVISION

**BROWNSVILLE SIDING PROJECT**  
STA 5852+00 TO STA 5866+00

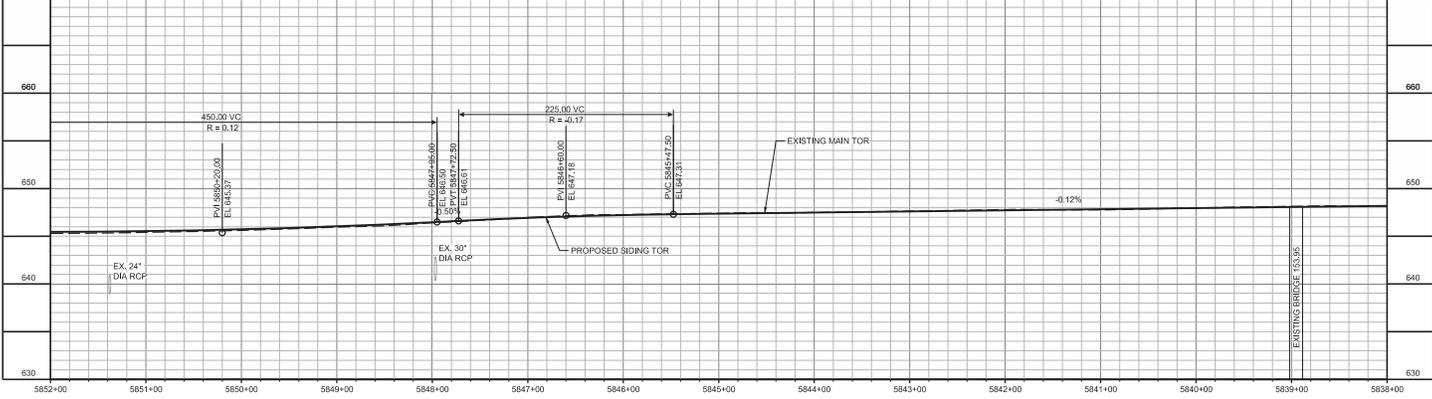
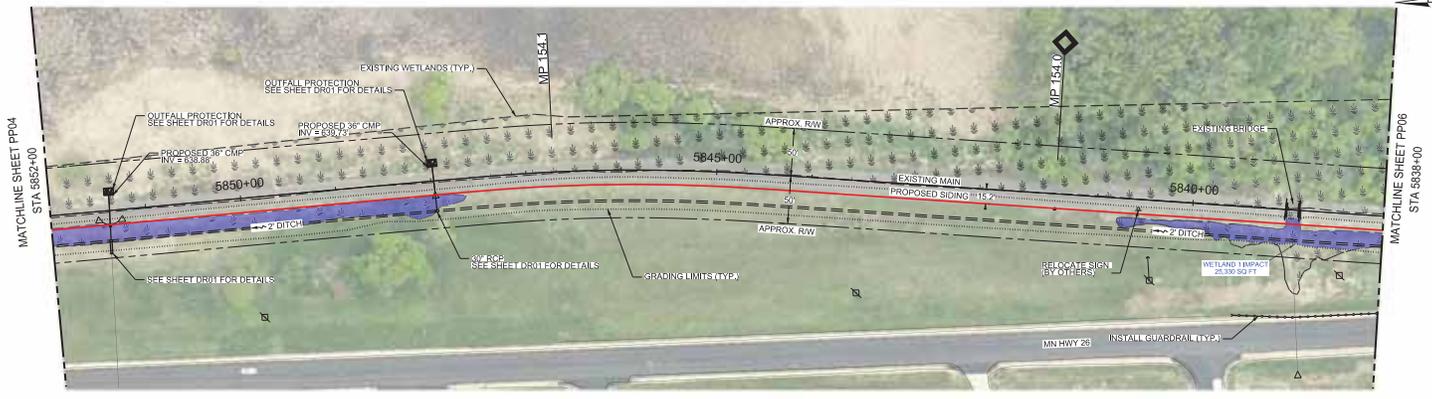
SHEET NO. 0003 OF 0010

DATE: MAY 1, 2015

CP PLAN NO.

HR PLAN NO. PP04

REV 0



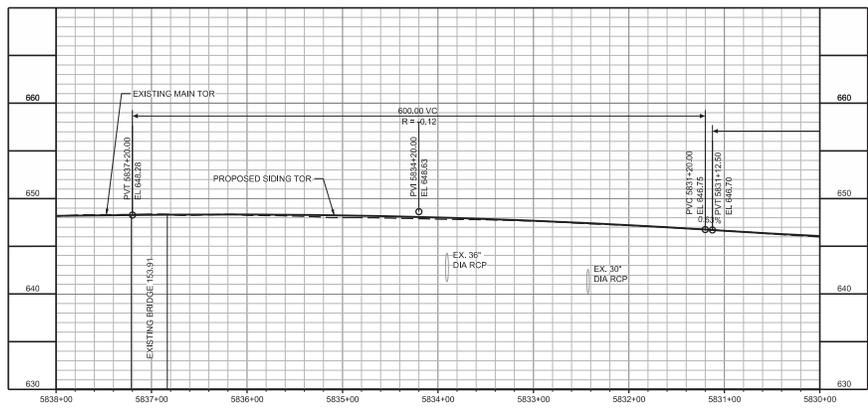
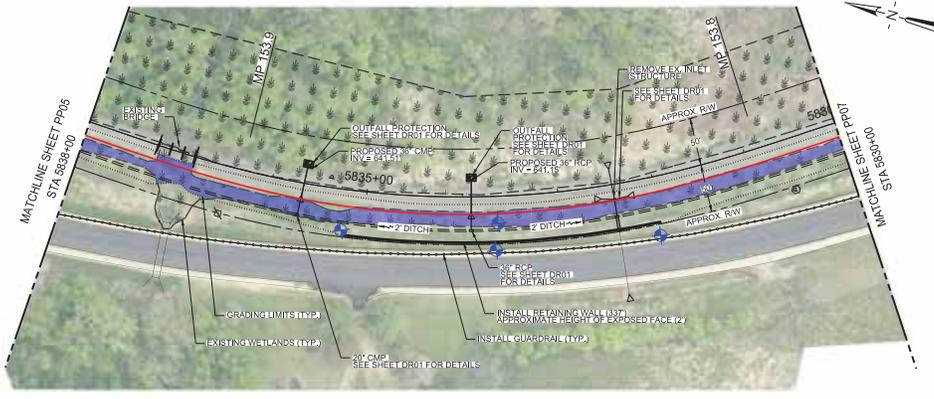
NOTE -

<b>HR</b>	
DSN BY: P.JL	HDR Project No. CP136
DRN BY: MMO	CHK BY: NKS

No.	DATE	REVISION	BY



U.S. DIVISION	
BROWNSVILLE SIDING PROJECT STA 5838+00 TO STA 5852+00	
APPROVED BY:	SHEET NO. 0005 OF PP10
	DATE: MAY 1, 2015
MGR. PROJECT SERVICES - US:	CP PLAN NO.
	HR PLAN NO.
	PP05
	REV 0



NOTE -

**HDR**

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 DRN BY: M.M.O.    CHK BY: N.K.S.

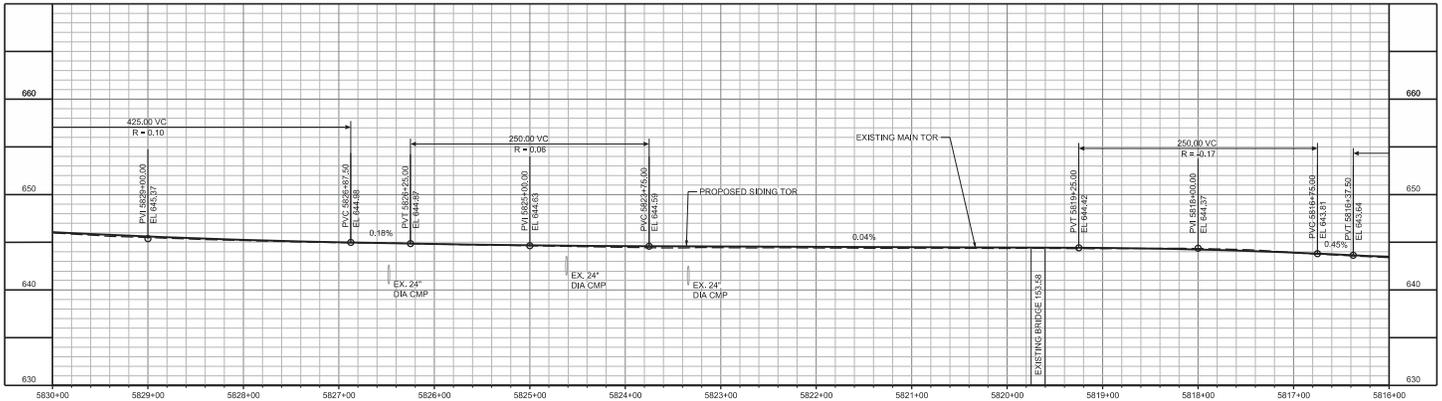
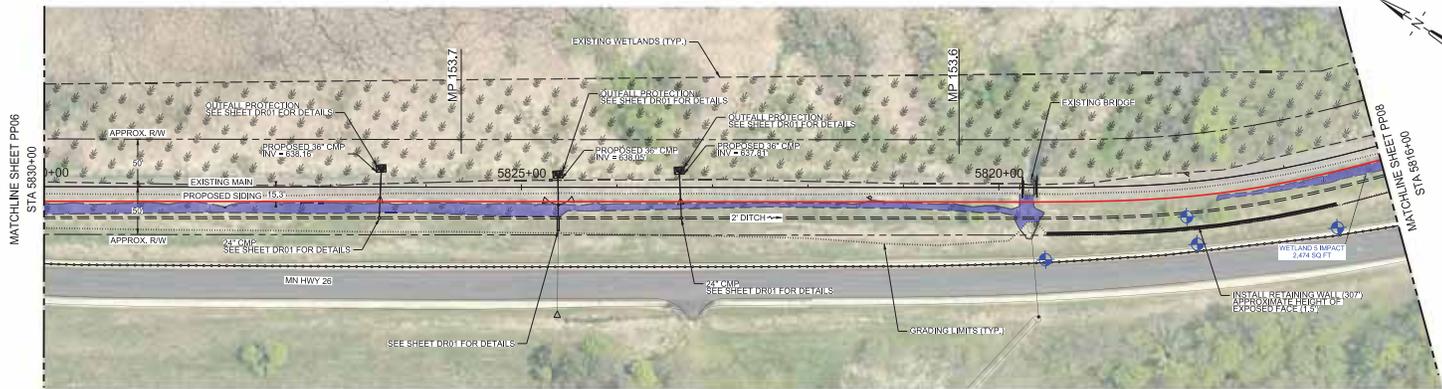
No.	DATE	REVISION	BY



U.S. DIVISION

**BROWNSVILLE SIDING PROJECT**  
STA 5830+00 TO STA 5838+00

SHEET NO. 0006 OF PP10  
DATE: MAY 1, 2015  
CP PLAN NO.  
HDR PLAN NO. PP06  
REV 0



NOTE -



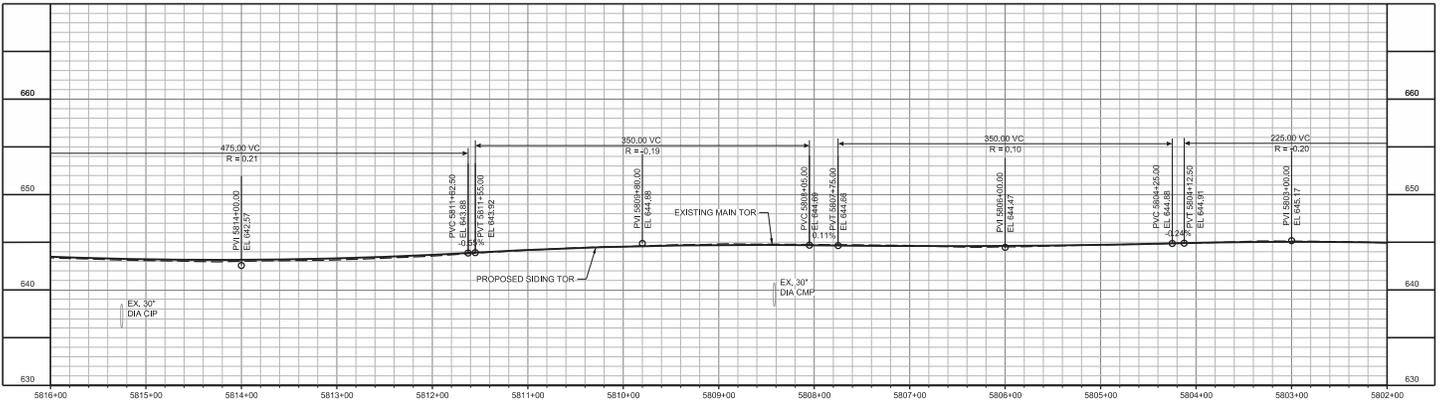
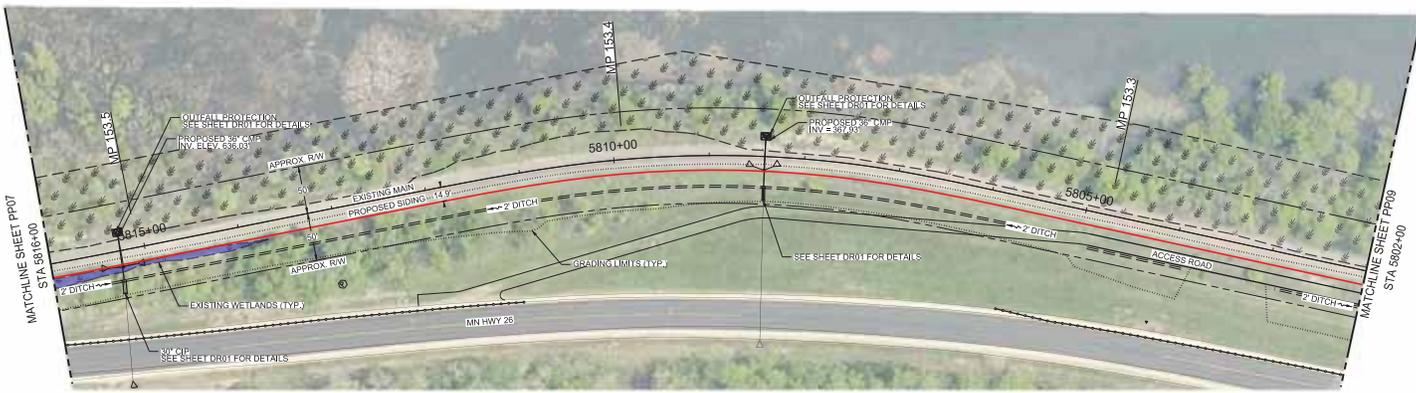
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DRN BY: M.M.O.  
HDR Project No. CP136  
CHK BY: N.K.S.



No.	DATE	REVISION	BY

U.S. DIVISION  
BROWNSVILLE  
SIDING PROJECT  
STA 5816+00 TO STA 5830+00

APPROVED BY:	SHEET NO. 0007 OF PP10
DATE: MAY 1, 2015	CP PLAN NO.
MGR. PROJECT SERVICES - US:	HDR PLAN NO. PP07
	REV 0



NOTE -

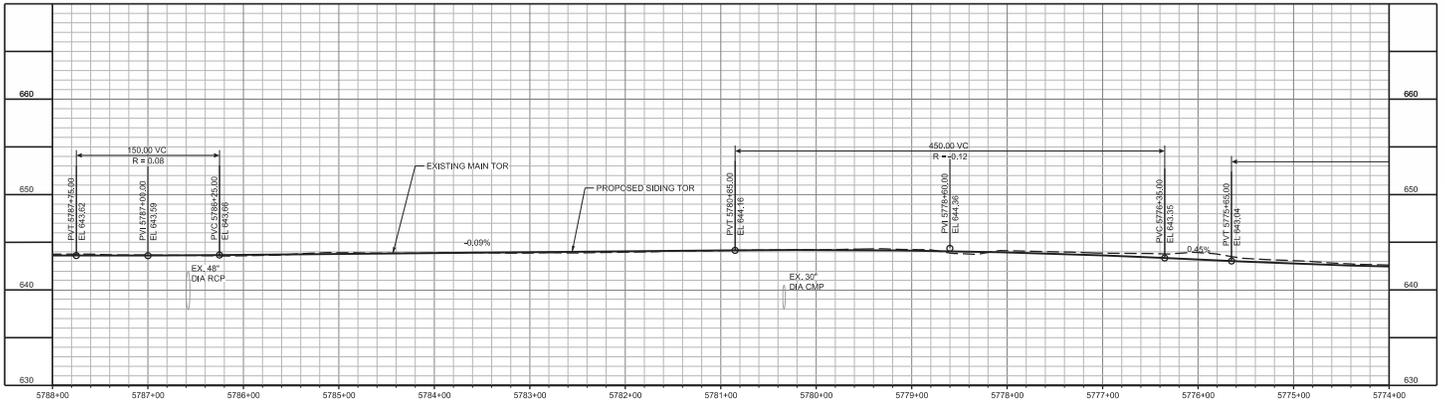
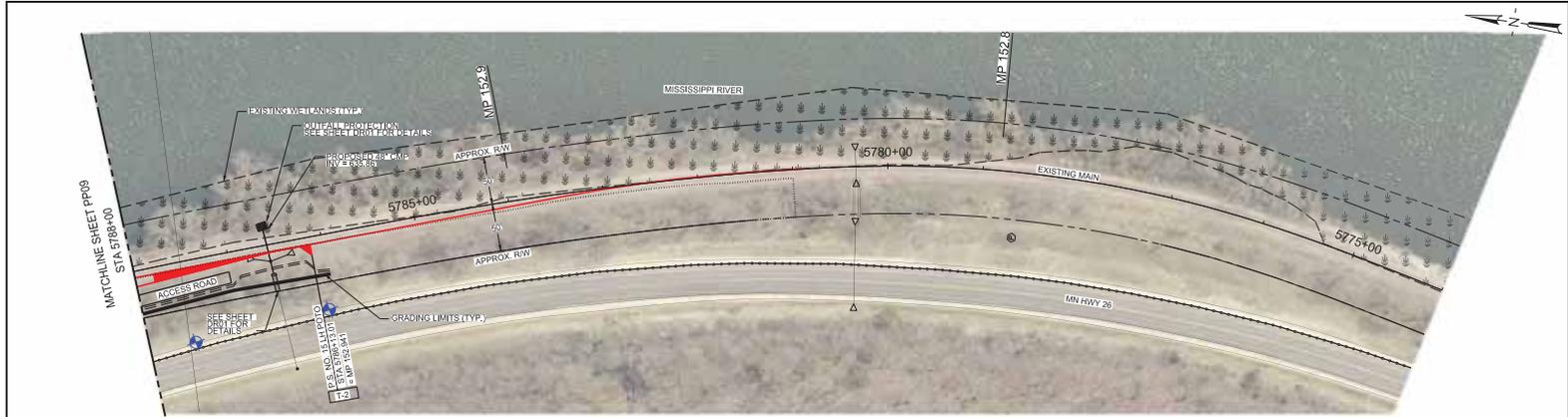
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DSN BY: P.JL	HDR Project No. CP136
DRN BY: MMO	CHK BY: NKS

No.	DATE	REVISION	BY



U.S. DIVISION	
BROWNSVILLE SIDING PROJECT STA 5802+00 TO STA 5816+00	
APPROVED BY:	SHEET NO. 0008 OF PP10
	DATE: MAY 1, 2015
	CP PLAN NO.
MGR. PROJECT SERVICES - US:	HR PLAN NO. PP08
	REV 0





NOTE -

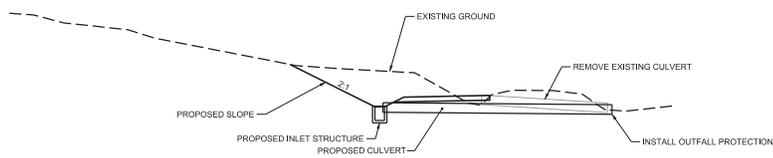


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DRN BY: M.MO. CHK BY: N.K.S.



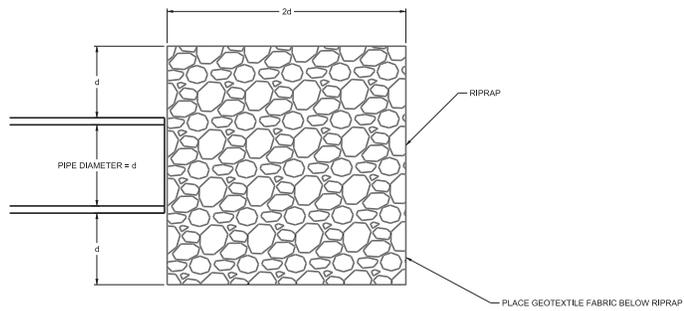
No.	DATE	REVISION	BY

U.S. DIVISION		BROWNSVILLE SIDING PROJECT STA 5774+00 TO STA 5788+00	
APPROVED BY:	SHEET NO. 0910 OF 0910	DATE: MAY 1, 2015	CP PLAN NO.
MGR. PROJECT SERVICES - US:	HDR PLAN NO.	PP10	REV 0



**TYPICAL CULVERT  
 IMPACT SECTION VIEW**  
 N.T.S.

A  
 DR01



**OUTFALL PROTECTOIN**  
 N.T.S.

B  
 DR01

NOTE -



DSN BY: P.JL HDR Project No. CP136  
 DRN BY: MMO CHK BY: NKS

No.	DATE	REVISION	BY



PROJECT SERVICES - US NETWORK CAPACITY  
 ENGINEERING SERVICES

U.S. DIVISION  
 BROWNSVILLE  
 SIDING PROJECT  
 TYPICAL CULVERT DETAILS

APPROVED BY:	SHEET NO. DR01 OF DR01
	DATE: MAY 1, 2015
MGR. PROJECT SERVICES - US:	CP PLAN NO. HSR PLAN 100
	DR01
	REV 0