

## Information for File # 2014-02301-TJH

**Applicant:** Canadian Pacific Railroad

**Corps Contact:** Tom Hingsberger

**Address:** 180 E. 5<sup>th</sup> Street, Suite 700, St. Paul, Minnesota 55101-1638

**E-Mail:** [thomas.j.hingsberger@usace.army.mil](mailto:thomas.j.hingsberger@usace.army.mil)

**Phone:** (651) 290-5367

**Primary County:** Grant County

**Section:** Sections 2, 3, 11

**Township:** 127N

**Range:** 41W

**Information Complete On:** August 28, 2014

**Posting Expires On:** Sept 29, 2014

**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 could result in modifications to the scope of the project's regulated waterbody/wetland impacts and compensatory mitigation requirements identified above.

**Project Includes:** Construction of a 2,500 ft. railroad siding extension in the City of Hoffman, Minnesota.

**PROJECT DESCRIPTION AND PURPOSE:** The applicant proposes to discharge fill material into portions of two wetland basins for the purpose of constructing a new 2,500 ft. siding extension to an existing 7,500 ft. siding. The proposed project would extend the existing siding to 10,000 ft. to accommodate market driven demand of freight. The project would involve topsoil stripping and removal of unsuitable/organic material to suitable subgrade material within proposed grading limits. Embankment material would be imported to construct the track bed. Subballast material would then be placed on top of

the compacted embankment material to complete the track bed for placement of the ballast, rail, and ties for the proposed extension.

NAME, AREA AND TYPES OF WATERS (INCLUDING WETLANDS) SUBJECT TO LOSS: Fill material would be discharged into Wetland Basins A and B along the proposed siding extension at the locations shown on the attached drawings. The wetland types and vegetative communities that would be filled consist of Type 3 shallow marsh wetlands. The project would result in the permanent loss of 0.68 acre of wetlands that are part of the tributary system of the Chippewa River.

ALTERNATIVES CONSIDERED: No-build and shorter siding length alternatives were eliminated by the applicant as they would not meet the applicant's project purpose and need of increasing capacity and efficiency in transporting freight by rail due to increasing demand. An extension of the siding to the northwest instead of the southwest would intersect an additional roadway crossing that would need to be incorporated into the siding, inhibiting both train and vehicular operations. Construction at an alternate site would require construction of a new 10,000 ft. siding that would require additional construction activity and material. The proposed 2,500 ft. siding extension utilizes established freight transportation facilities and infrastructure located at Hoffman, MN.

IMPACT MINIMIZATION: The applicant has stated that the amount of fill associated with their preferred alternative is the minimum amount required to maintain a stable grade. Embankment side slopes are proposed at 2:1 (Horizontal:Vertical). Additionally, the centerline of the siding extension with respect to the existing main track is minimized to 15 feet, the minimum safe clearance required for passing freight trains.

COMPENSATORY MITIGATION: Compensatory mitigation for the permanent loss of 0.68 acre of wetlands located within the Chippewa River Watershed is required. The applicant has proposed compensation via a wetland credit withdrawal from an approved wetland bank at a ratio of no less than 2:1.

**Drawings:** See attached.

# 2015 NETWORK CAPACITY *HOFFMAN SIDING EXTENSION* MILE 146.0 ELBOW LAKE SUBDIVISION

**CANADIAN  
 PACIFIC**

ISSUED FOR JURISDICTIONAL REVIEW

PROJECT SERVICES - US WEST NETWORK CAPACITY  
 ENGINEERING SERVICES

ISSUE DATE: AUGUST 26, 2014

SHEET #	SHEET	SHEET DESCRIPTION
<b>GENERAL</b>		
1	G-100	COVER SHEET
2	G-101	NOTES, ABBREVIATIONS AND SYMBOLS
3	G-102	KEY PLAN
4	G-103	USGS LOCATION MAP
<b>TYPICAL SECTIONS</b>		
5	TS-101	TYPICAL SECTIONS
<b>PLAN AND PROFILE</b>		
6	W-101	WETLAND IMPACTS
7	W-102	WETLAND IMPACTS
8	W-103	WETLAND IMPACTS
9	W-104	WETLAND IMPACTS
<b>CROSS SECTIONS</b>		
10	XS-101	CROSS SECTIONS
11	XS-102	CROSS SECTIONS
12	XS-103	CROSS SECTIONS
13	XS-104	CROSS SECTIONS
14	XS-105	CROSS SECTIONS
15	XS-106	CROSS SECTIONS
16	XS-107	CROSS SECTIONS
17	XS-108	CROSS SECTIONS

LOCATION:



**AECOM**

PROJECT NUMBER: 00273178-2500  
 DRAWING NUMBER: G-100  
 ISSUE/REVISION:

2014-02301-TJH, 1 OF 8



**GENERAL NOTES**

- THE EXISTENCE, LOCATION AND ELEVATION OF UTILITIES AND/OR CONCEALED STRUCTURES AT THE PROJECT SITE ARE NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXISTENCE, LOCATION AND ELEVATION OF ALL SUCH UTILITIES AND/OR STRUCTURES AND IS RESPONSIBLE FOR NOTIFYING THE APPROPRIATE COMPANY, DEPARTMENT OR PERSONNEL OF ITS INTENTION TO CARRY OUT ITS OPERATIONS.
- UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY OTHERS. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT.
- THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO WORK OVER AND AROUND THE UTILITIES. THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- ENVIRONMENTAL PROTECTION MEASURES AND PROCEDURES SHALL BE AS PER OPS ENVIRONMENTAL GUIDELINES. ALSO, THE FOLLOWING MITIGATION MEASURES WILL BE IMPLEMENTED TO PROTECT WATER QUALITY AND FISH HABITAT WITHIN THE CORRIDOR.
  - CONTRACTOR SHALL SECURE THE PROJECT SITE AREA TO PREVENT ACCESS TO NON-CONSTRUCTION PERSONNEL. THIS WILL INCLUDE DELINEATING THE AREA OF PROPOSED CONSTRUCTION ACTIVITIES.
  - EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. BE MAINTAINED THROUGHOUT CONSTRUCTION AND REMAIN IN PLACE UNTIL ALL DISTURBED AREAS ARE FULLY STABILIZED.
  - ALL ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, SHALL BE CONTROLLED TO PREVENT THE ENTRY OF PETROLEUM PRODUCTS, OILS, RUBBLE, CONCRETE OR OTHER DELETERIOUS SUBSTANCES INTO WATERCOURSE.
  - ALL VEHICULAR REFUELING AND MAINTENANCE WILL BE CONDUCTED AWAY FROM THE WATERCOURSES TO PREVENT CONTAMINATION OF SURFACE WATERS FROM POTENTIAL SPILLS. IN ADDITION, A SPILL KIT CONTAINING SUITABLE COMMERCIALY AVAILABLE ABSORBENT MATERIAL WILL BE STORED IN AN ACCESSIBLE, IN THE EVENT A SPILL, WERE TO OCCUR.
- CONTRACTOR MUST MAINTAIN POSITIVE DRAINAGE AT ALL TIMES.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING, MAINTAINING, & REMOVING ANY TEMPORARY FACILITIES NECESSARY TO ACCESS THE SITE, INCLUDING, BUT NOT LIMITED TO, FENCES, GATES, CULVERTS, GRANULAR, SILT FENCES, & TRAFFIC CONTROL DEVICES.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING ACCESS TO THE SITE.
- ALL ACCESS WAYS MUST BE MAINTAINED TO A LEVEL THAT WILL PERMIT PASSAGE BY CP MAINTENANCE, ENGINEERING AND OPERATIONS VEHICLES AT ALL TIMES.
- THE CONTRACTOR MUST LIMIT MOVEMENT OF CONSTRUCTION TRAFFIC TO WITHIN THE CONSTRUCTION LIMITS ANY AND ALL DAMAGE TO EXISTING FACILITIES (INCL. BUT NOT LIMITED TO FENCES, PAVEMENT, CULVERTS, ETC.) WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE REPAIRED TO THE SATISFACTION OF THE ENGINEER.
- ALL RAILWAYS BEAMS THAT MUST BE REMOVED SHALL BE RE-INSTALLED IMMEDIATELY. ALL TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR MUST NOT ENTER ADJACENT PROPERTIES WITHOUT THE APPROVAL OF THE ENGINEER.
- ALL STATIONING REFERENCES PROPOSED BEING TRACK.
- RIGHT OF WAY LIMITS ARE APPROXIMATE AND BASED ON CP VALUATION SECTION MAPS.
- ALL TRACK WORK TO BE PERFORMED BY CANADIAN PACIFIC FORCES.

**SURVEY NOTES**

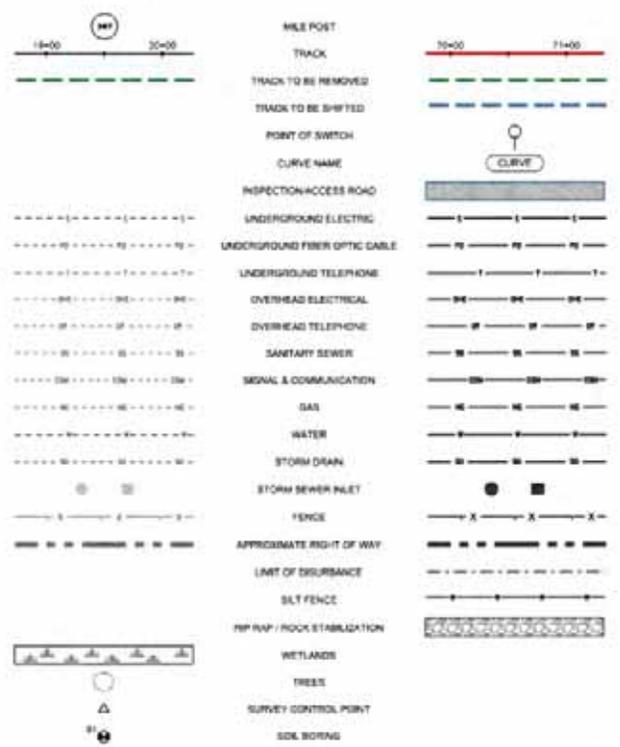
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL CONTROL POINTS PRIOR TO THEIR USE. ALSO, THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTING AND/OR REPLACING ANY CONTROL POINTS THAT ARE DAMAGED OR DESTROYED BY OPERATIONS.
- EXISTING TOP OF RAIL AND TOPOGRAPHY SURVEY PERFORMED BY RANB ENGINEERING.
- THE DATUM IS NADES (HORIZONTAL) AND NAVD83 (VERTICAL) DERIVED FROM NAD 83 OPUS SOLUTIONS ON THE MINNESOTA STATE PLANE COORDINATE SYSTEM CENTRAL ZONE. (US SURVEY FEET).

CONTROL POINTS TABLE			
POINT #	NORTHING	EASTING	ELEV.
1001	631387.141	2233549.470	1245.063
1002	634184.536	2231400.991	1244.375
1003	634663.439	2231031.044	1243.049
1004	635425.287	2230613.672	1241.509
1005	640847.004	2227030.304	1247.366
1006	644635.817	2224528.132	1237.453

**ABBREVIATIONS**

AK	AHEAD	MIL	MINIMUM
BC	BEFORE CURVE	MLM	MESSAGE
BN	BORN HOLE	MSE	MECHANICALLY STABILIZED EARTH
BK	BACK	OH OR OH	OVERHEAD
BM	BENCH MARK	PC	POINT OF CURVE
CB	CATCH BASIN	PI	POINT OF INTERSECTION
CL	CENTER LINE	PS	POINT OF SWITCH
CLF	CHAIN LINK FENCE	PVC	POINT OF VERTICAL CURVE
CSP	CORRUGATED STEEL PIPE	PVT	POINT OF VERTICAL TANGENT
CONC	CONCRETE	RADIUS	RADIUS
CP	CONTROL POINT	R/C	RATE OF CHANGE
CLV	CULVERT	RCP	REINFORCED CONCRETE PIPE
CR	DEGREE OF CURVE	RH	RIGHT HAND
DWG	DRAWING	ROW	RIGHT OF WAY
EA	ACTUAL SUPER ELEVATION	SC	SPIRAL TO CURVE
EL/ELEV	ELEVATION	ST	SPIRAL TO TANGENT
EX/EXIST	EXISTING	STW	STORM SEWER
FFS	FINISHED FLOOR ELEVATION	STA	STATION
GRAN	GRANULAR	TAN	TANGENT
H-DPE	HIGH DENSITY POLYETHYLENE	TR	TOP OF RAIL
HW	HEIGHT (PINS OR DITCH)	TS	TANGENT TO SPIRAL
L	LENGTH OF CURVE	TC	RAIL WAY TURN OUT
LH	LEFT HAND	TP	TEST PIT
LDD	LIMIT OF DISTURBANCE	TRP	TYPICAL
LA	LENGTH OF SPIRAL	W/C	RAIL WAY CROSSING
LST	LAST SWITCH TRUSS	V	VELOCITY
MH	MANHOLE	VAR.	VARIABLE OR VARIABLE
MAX	MAXIMUM	#	DIAMETER
MD	MIDDLE		

**EXISTING PLAN SHEET LEGEND PROPOSED**



90% SUBMITTAL



RAIL/PA PROJECT NO: 60273175-7500



HOFFMAN SIDING EXTENSION NOTES, ABBREVIATIONS AND SYMBOLS

DATE: 2014-02-20	REV: 2 OF 17
PROJECT NO: 60273175-7500	REV: 2 OF 17
DATE: 2014-02-20	REV: 2 OF 17
PROJECT NO: 60273175-7500	REV: 2 OF 17

2014-02301-TJH, 20F8

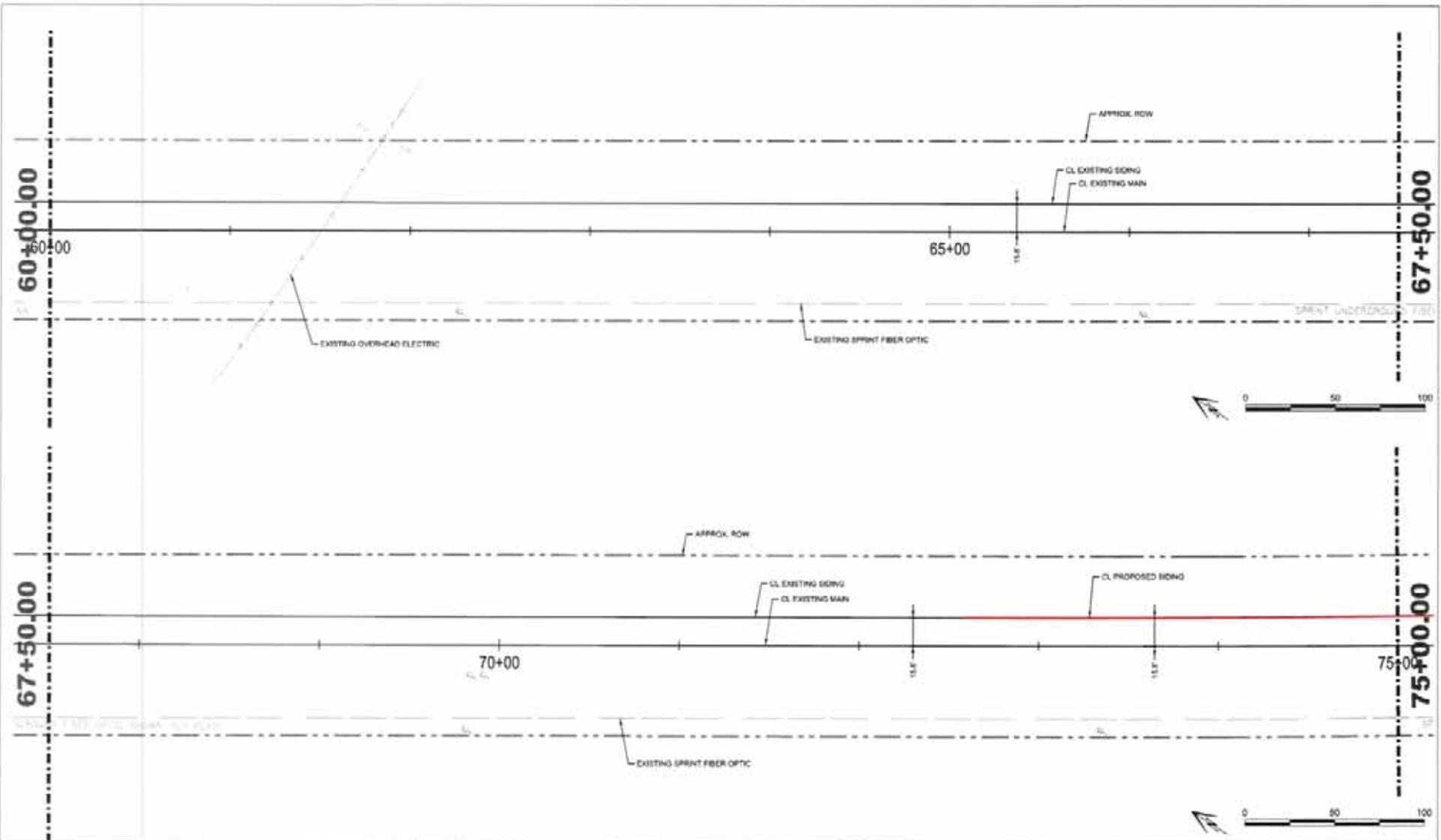


DATE OF LAST REVISION

PLAT

PLAT

DATE OF LAST REVISION



90% SUBMITTAL

**AECOM**

PROJECT NO: 60273178-2500

DATE	BY	CHKD	APPD	DATE	BY

**CANADIAN PACIFIC**

PROJECT SERVICES - US WEST NETWORK CAPACITY ENGINEERING SERVICES

US DESIGN WETLAND SUBMISSION  
**HOFFMAN SIDING EXTENSION  
WETLAND IMPACTS**

60+00.00 TO 75+00.00

DATE	BY	CHKD	APPD

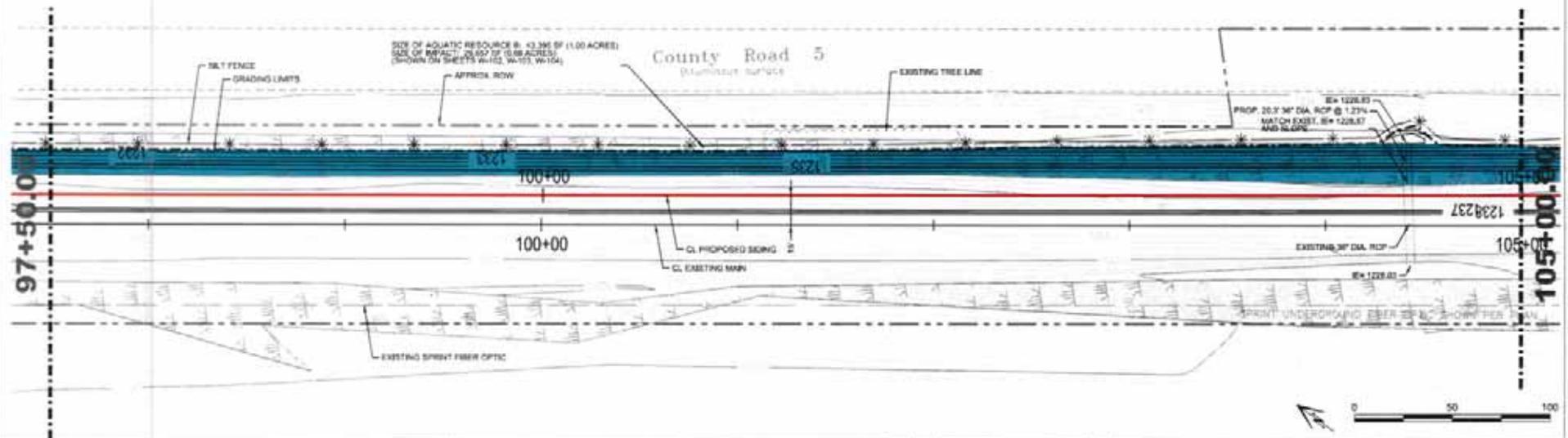
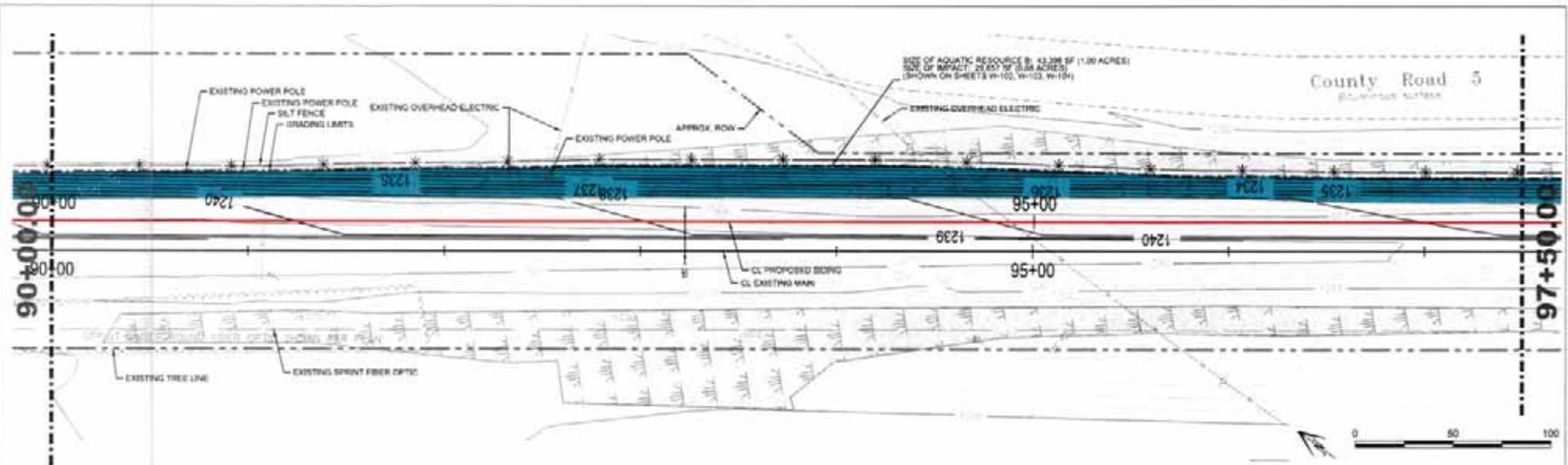
PROJECT NO	
PROJECT IMPACT US	W-101



SHEET 27 OF 28 SHEETS (MILEAGE)

PLAN

AECOM FILE NAME: HOFFMAN SIDING



90% SUBMITTAL

**AECOM**

AECOM PROJECT NO. 60273178-2500

DATE	BY	CHK	APP	REV

**CANADIAN PACIFIC**

PROJECT SERVICES - US WEST NETWORK CAPACITY ENGINEERING SERVICES

US DIVISION HALE TRAIL EROSION CONTROL SUPERVISOR  
**HOFFMAN SIDING EXTENSION**  
**GRADING, DRAINAGE AND EROSION CONTROL PLAN**  
**90+00.00 TO 105+00.00**

DATE	BY	CHK	APP	REV

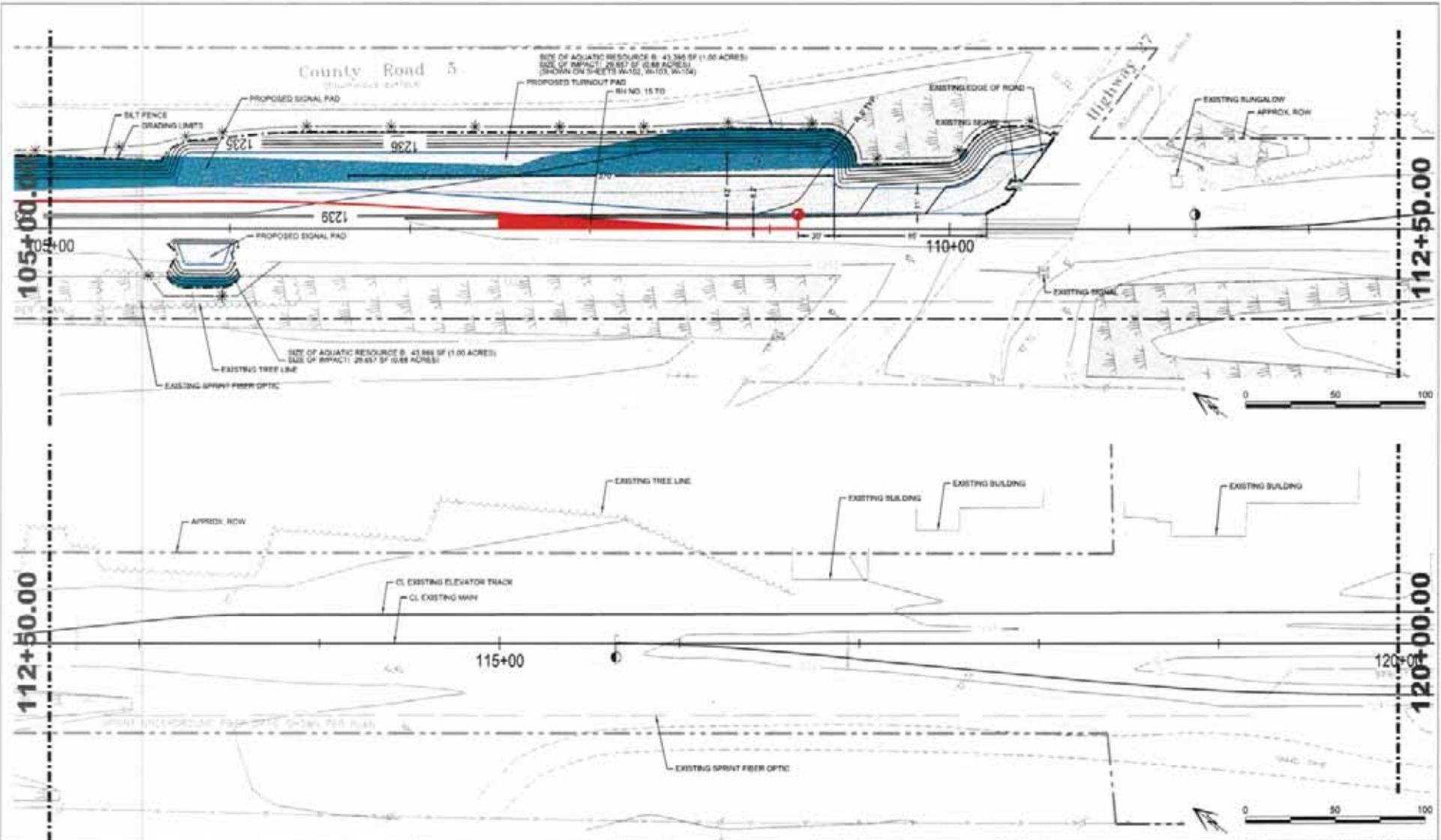
W-103

2014-02301-TJH, 60F8

DATE: 05/17/14

SCALE: AS SHOWN

PROJECT NAME: WEST NETWORK CAPACITY



90% SUBMITTAL

**AECOM**

AECOM PROJECT NO: 60273179-2500

DATE	BY	CHKD	APPD
05/17/14	JSH		

**CANADIAN PACIFIC**

PROJECT SERVICES - US WEST NETWORK CAPACITY ENGINEERING SERVICES

US DIVISION WILEY AND ELSON LAKE SUBDIVISION

**HOFFMAN SIDING EXTENSION WETLAND IMPACTS**

105+00.00 TO 120+00.00

DATE	BY	CHKD	APPD
05/17/14	JSH		

