

BNSF WSDOT ARRA
PROGRAM IN
WASHINGTON STATE

KELSO MARTIN'S BLUFF—TOTEFF SIDING EXTENSION—
TOTEFF ROAD ADDENDUM
TASK # 4

PRELIMINARY ENGINEERING

DATE: FEBRUARY 28, 2014

TASK DESCRIPTION:
AGREEMENT NUMBER: RR00470/BF63173
ARRA TASK NUMBER: 4
TASK ORDER No. RR470-01

The parties have reviewed these plans and no exceptions are taken with regard to the ability to use the project as intended. The parties have not reviewed the design details or calculations for structural integrity or engineering accuracy and accepts no responsibility for errors or omissions in the design of the project. The parties agree that the project is acceptable for advancing to construction.

BNSF RAILWAY COMPANY



Signed: _____
Printed: _____
Title: _____
Date: _____

WASHINGTON STATE DEPARTMENT
OF TRANSPORTATION




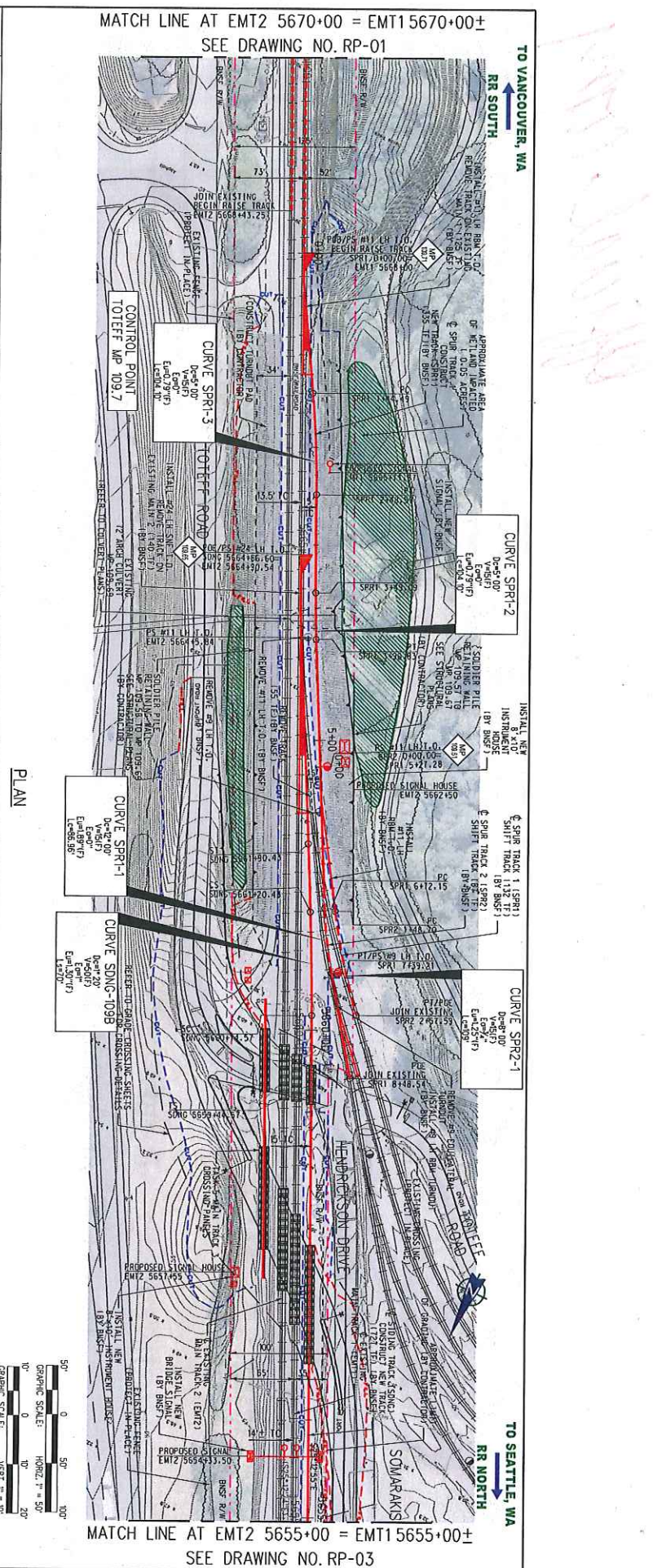
Signed: _____
Printed: _____
Title: _____
Date: _____

FEDERAL RAILROAD ADMINISTRATION



Signed: _____
Printed: _____
Title: _____
Date: _____

REV	DATE	DESCRIPTION	SCALE
0		PRELIMINARY ENGINEERING	AS SHOWN
NOT FOR CONSTRUCTION 2014 UPDATED PRELIMINARY ENGINEERING			
DESIGNED BY: R. CARABELLO CHECKED BY: M. CHANE APPROVED BY: M. CHANE DATE: FEBRUARY 14, 2014			
			
BNSF SEATTLE SUBDIVISION KELSO TO MARTINS BLUFF TASK 4 TRACK PLAN & PROFILE, SHEET 2 OF 18 EMT2 5670+00 TO EMT2 5655+00 MP 109.74 TO MP 109.48			
DRAWING NO. RP-02 REVISION SHEET NO. SCALE AS SHOWN			



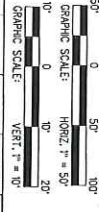
MATCH LINE AT EMT2 5670+00 = EMT1 5670+00+
SEE DRAWING NO. RP-01

TO VANCOUVER, WA
RR SOUTH

TO SEATTLE, WA
RR NORTH

MATCH LINE AT EMT2 5655+00 = EMT1 5655+00+
SEE DRAWING NO. RP-03

PLAN

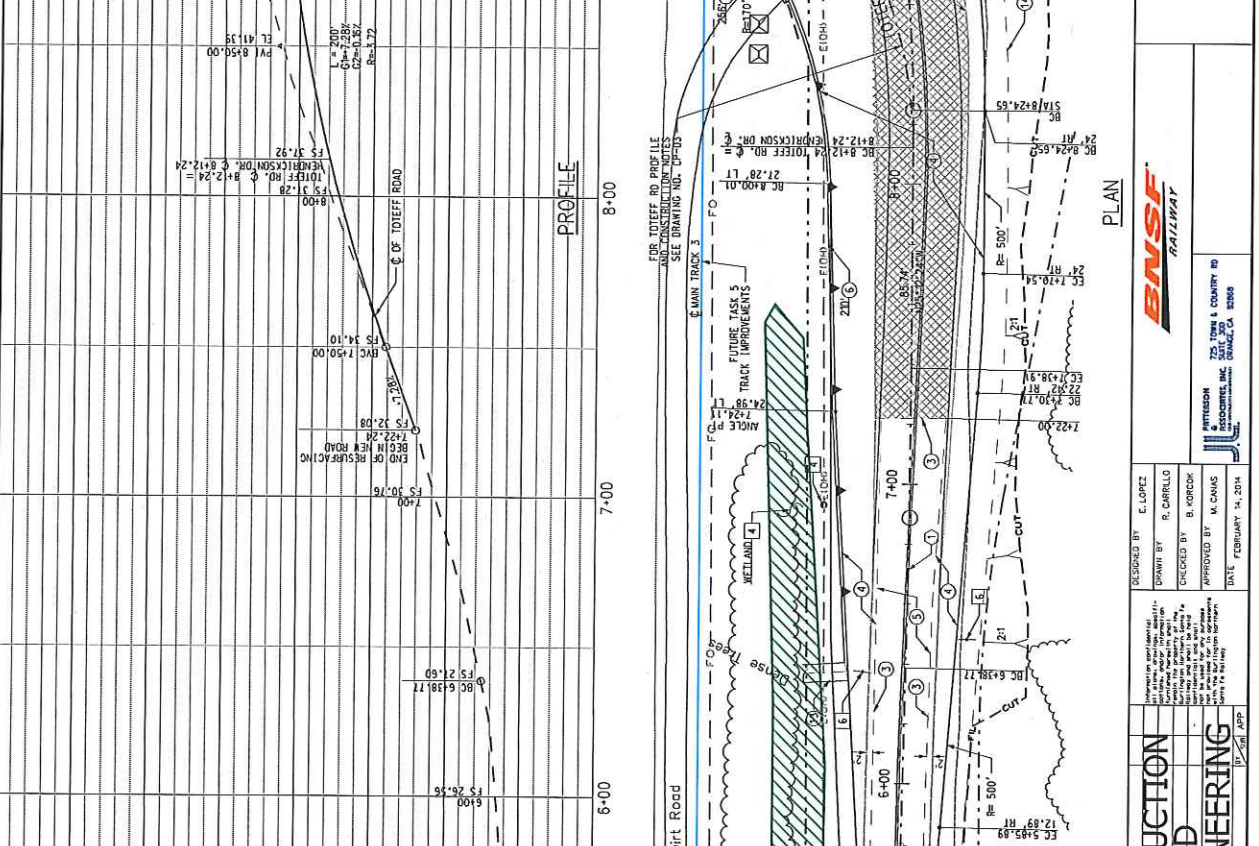


NOT FOR CONSTRUCTION
2014 UPDATED
PRELIMINARY ENGINEERING

DESIGNED BY: E. LOPEZ
 DRAWN BY: R. CARRELL
 CHECKED BY: B. KORCOK
 APPROVED BY: M. CANIS
 DATE: FEBRUARY 14, 2014

INTERLOCK
 INNOVATIVE INC. 3001 JEFFERSON BLVD. SUITE 200
 BAKERSFIELD, CA 93308

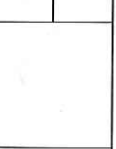
WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
 COMWITZ COUNTY



- CONSTRUCTION NOTES (CIVIL CONTRACTOR)**
- CONSTRUCT 6" THICK C-2 CURB & CUTTER PER WSDOT PLAN F-10.4
 - CONSTRUCT CURB 2 PER WSDOT PLAN F-10.18-00 PER DETAIL B (SEE DETAIL ON SHEET CP-03)
 - SAW CUT EXISTING ASPHALT
 - CONSTRUCT 6" (MIN) HMA (TYPE A) PAVEMENT OVER 10" COMPLETED AGGREGATE BASE
 - MINIMUM 8" THICK EXISTING AC PAVEMENT AND OVERLAY AC PAVEMENT (1.5" MIN)
 - INSTALL MODULAR WALL
 - PLACE 4" C.C. STANDARD BRICK STAMPED CONCRETE CONCRETE COLOR SHALL BE REPT. RED #4-26 AS SHOWN ON SHEET CP-03
 - INSTALL CURB/RAIL PER WSDOT STD PLAN C-2 CASE 3
 - INSTALL DRYWELL PER WSDOT STD PLAN B-50-60-03
 - GRADE SLOPE AT 2:1 MAX
 - INSTALL 3" THICK 1/2" GRAVEL GROUND COVER PER DETAIL C (SEE SHEET CP-03)
 - INSTALL 8" THICK CONCRETE V DITCH
 - GRADE EARTH SMALE TO DRAIN
 - CONSTRUCT 24" CURB CUT PER DETAIL "A"
 - CONSTRUCT 6" CONCRETE TRAFFIC CURB PER WSDOT F-10.12-00
 - INSTALL 30' MAST ARM
- CONSTRUCTION NOTES (BY BUSE)**
- INSTALL 25' RR GATE
 - REMOVE RR GATE
- REMOVAL NOTES:**
- REMOVE EXISTING AC PAVEMENT
 - RELOCATE POWER POLE BY OTHERS
 - PROTECT IN PLACE
 - REMOVE EXISTING GUARD RAIL
 - REMOVE SIGN POST

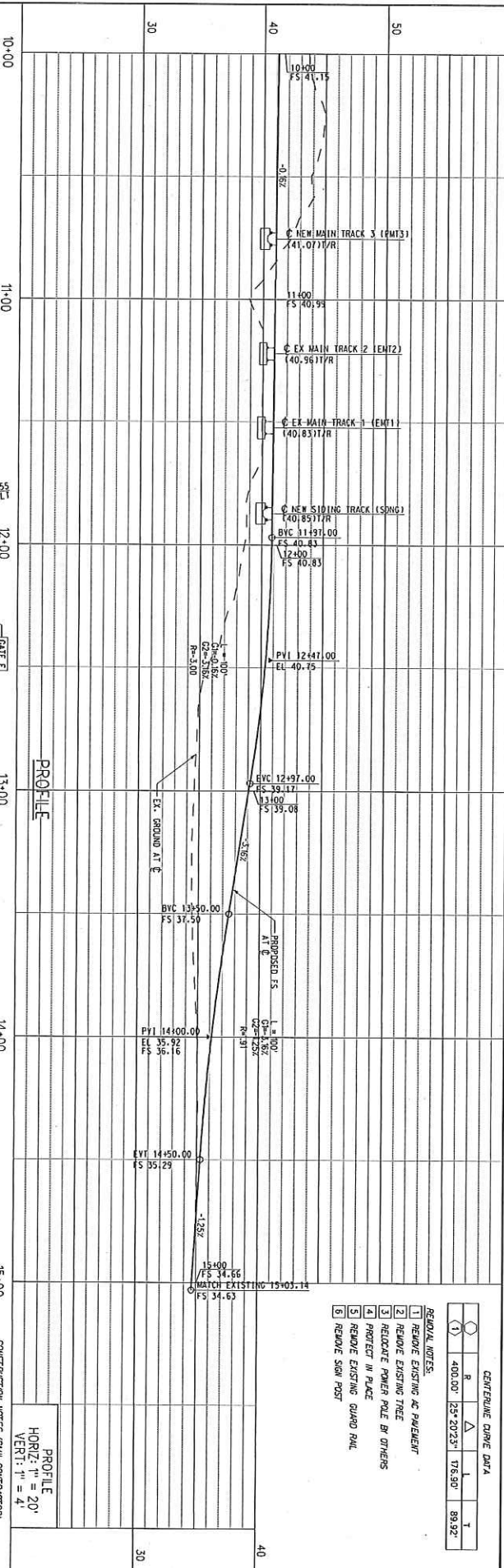
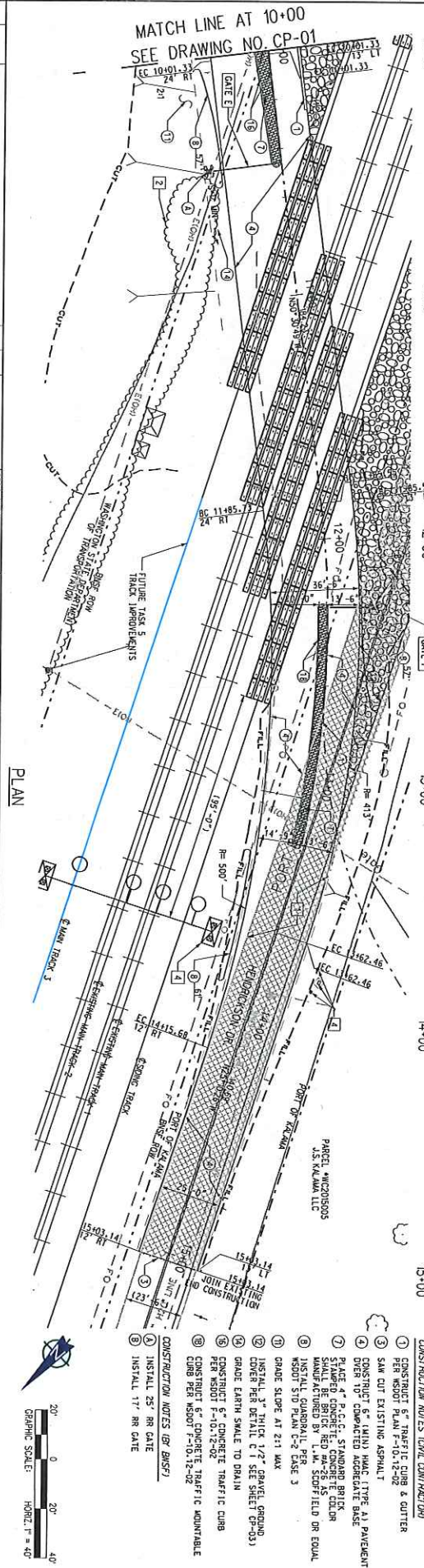
NOT FOR CONSTRUCTION
 2014 UPDATED
PRELIMINARY ENGINEERING

DESIGNED BY: E. LOPEZ
 DRAWN BY: R. CORRELL
 CHECKED BY: B. BARNER
 APPROVED BY: M. CHAVEZ
 DATE: FEBRUARY 14, 2014



BNSF SEATTLE SUBDIVISION
 KELSO TO MARTIN'S BLUFF
 TASK 4
 HENDRICKSON DRIVE
 GRADE CROSSING PLAN - SHEET 2 OF 3
 PRELIMINARY DESIGN

CONTRACT NO.
 DRAWING NO. CP-02
 SHEET NO.
 SCALE AS SHOWN

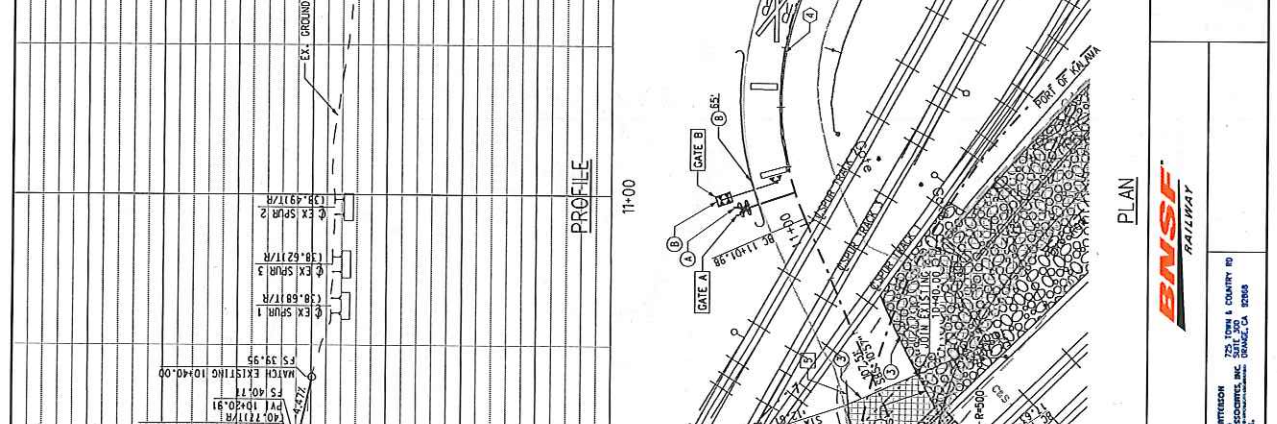
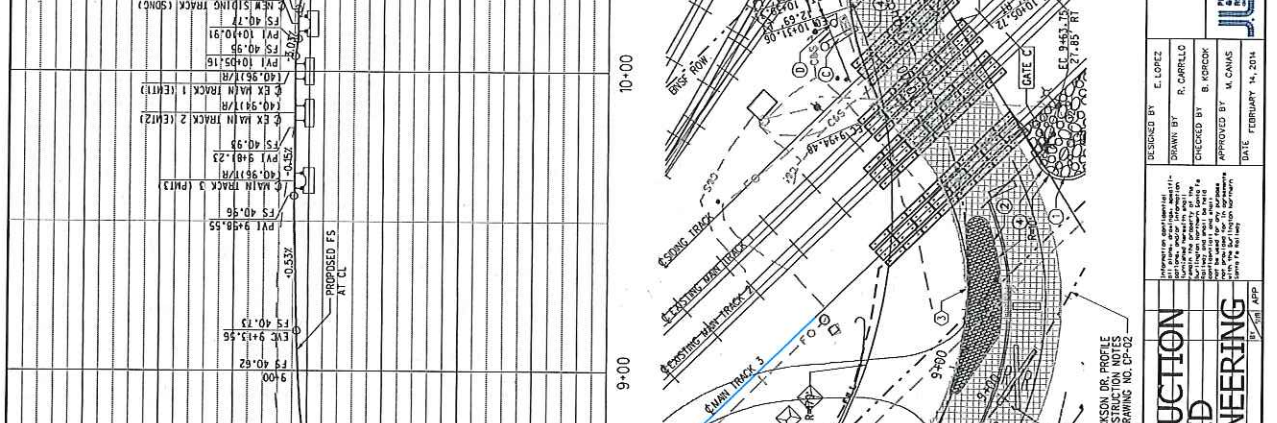


NOT FOR CONSTRUCTION
 2014 UPDATED
 PRELIMINARY ENGINEERING

DESIGNED BY: E. LOPEZ
 DRAWN BY: R. CARILLO
 CHECKED BY: B. JOHNSON
 APPROVED BY: M. CANIS
 DATE: FEBRUARY, 2014

FOR HENDERSON DR. PROFILE AND CONSTRUCTION NOTES SEE DRAWING NO. CP-02

CONTRACT NO. BNSF SEATTLE SUBDIVISION
 DRAWING NO. KELSO TO MARTIN'S BLUFF
 REVISION CP-03
 SHEET NO.
 SCALE AS SHOWN



- CONSTRUCTION NOTES (CIVIL CONTRACTOR)**
- CONSTRUCT 6" TRAFFIC CURB & BUTTER PER MSDOT PLAN F-10-12-02
 - CONSTRUCT CURB TYPE 8 PER MSDOT PLAN F-10-19-00 AND PER DETAIL B
 - SAW CUT EXISTING ASPHALT
 - CONSTRUCT 6" (MIN) HMA (TYPE A) PAVEMENT OVER 10" COMPACTED AGGREGATE BASE
 - PLACE 4" P.C.C. STANDARD BRICK SHALL BE BRICK RED #4-75 AS MANUFACTURED BY L.W. SCOFFIELD OR EQUAL
 - INSTALL GUARDRAIL PER MSDOT PLAN F-10-12-02 CASE 3
 - INSTALL 15" CANTILEVER ENDER PER DETAIL 1/2 GRAVEL DRAIN
 - GRADE EARTH SHALL TO DRAIN
 - CONSTRUCT 6" (MIN) HMA (TYPE A) PAVEMENT OVER 10" COMPACTED AGGREGATE BASE PER MSDOT F-10-12-02
- CONSTRUCTION NOTES (BY BNSF)**
- INSTALL 17" RR GATE
 - INSTALL 15" CANTILEVER
 - REMOVE RR GATE
 - REMOVE RR CANTILEVER
- REMOVAL NOTES:**
- REMOVE EXISTING AC PAVEMENT
 - PROTECT IN PLACE
 - REMOVE EXISTING GUARD RAIL

PROJECT NUMBER	COST ELEMENT	LINE ITEM	CONTRACT DESIGNATOR	PHYSICAL ENTITY	WORK ELEMENT

REV	DATE	DESCRIPTION

PRELIMINARY ENGINEERING

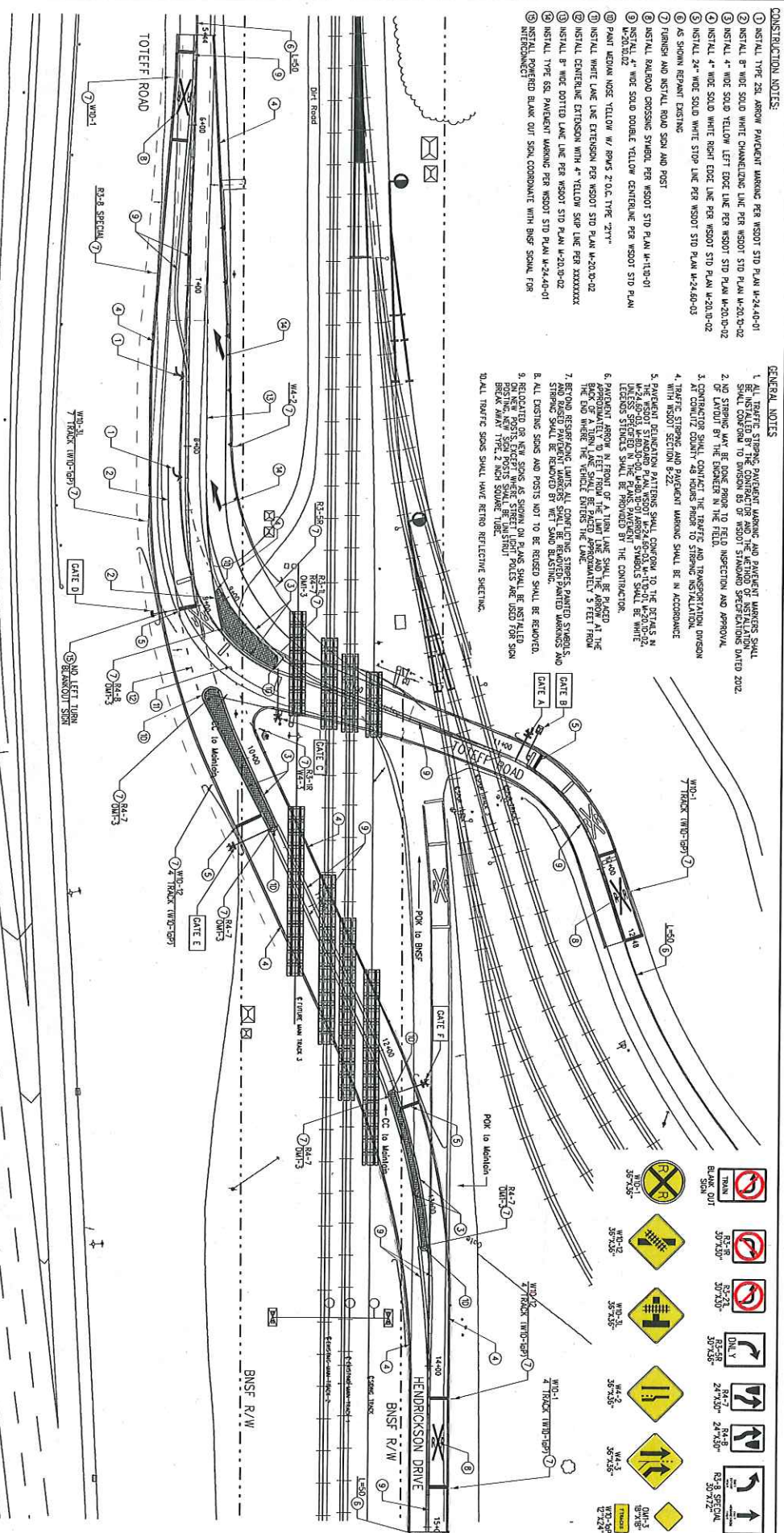
DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY

DATE: FEBRUARY 14, 2014

720 1st Avenue
 Seattle, WA 98101
 (206) 426-7000

BNSF SEATTLE SUBDIVISION
 KELSO TO MARTIN'S BLUFF
 TASK 4
 HENDRICKSON DRIVE AND TOTTEFF ROAD
 SIGNING AND STRIPING PLAN
 PRELIMINARY DESIGN

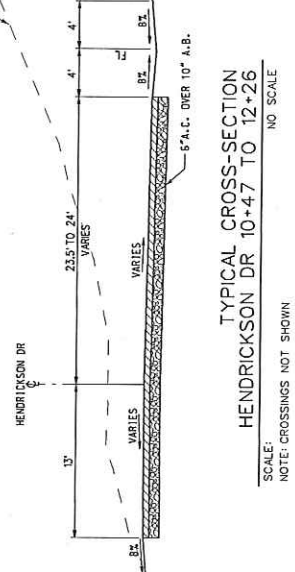
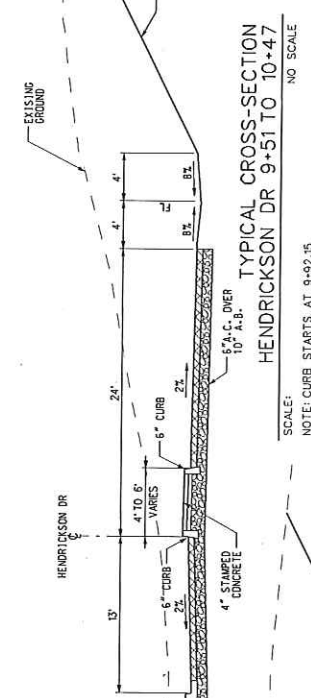
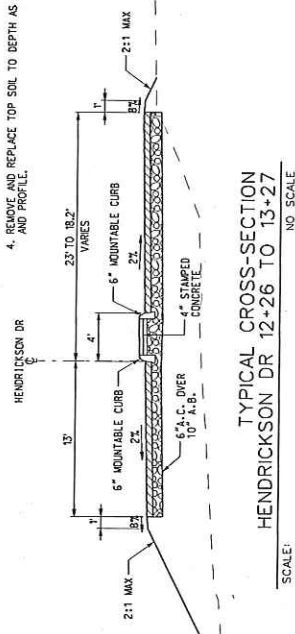
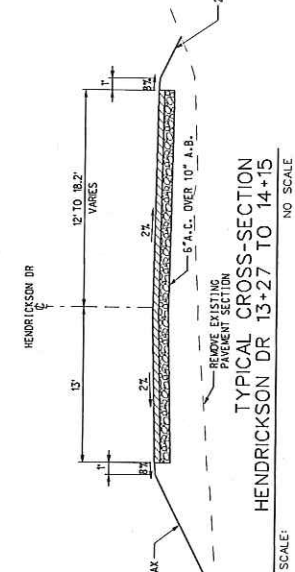
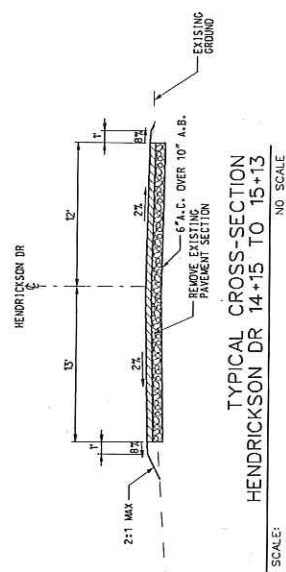
CONTRACT NO.	DRAWING NO.
	CP-04
REVISION	SHEET NO.
	AS SHOWN



- CONSTRUCTION NOTES:**
- INSTALL TYPE 285 ARROW PAVEMENT MARKING PER WS01 STD PLAN W-24-40-01
 - INSTALL 8" WIDE SOLID WHITE CHANNELIZING LINE PER WS01 STD PLAN W-20-D-02
 - INSTALL 4" WIDE SOLID YELLOW LEFT EDGE LINE PER WS01 STD PLAN W-20-D-02
 - INSTALL 4" WIDE SOLID WHITE RIGHT EDGE LINE PER WS01 STD PLAN W-20-D-02
 - INSTALL 24" WIDE SOLID WHITE SIDE LINE PER WS01 STD PLAN W-24-60-03
 - AS SHOWN REPAIR EXISTING
 - FLUSH AND INSTALL ROAD SIGN AND POST
 - INSTALL 4" WIDE SOLID DOUBLE YELLOW CENTERLINE PER WS01 STD PLAN W-20-D-02
 - PAINT MEDIAN MARK YELLOW W/ PAVS 2" O.C. TYPE 27T
 - INSTALL WHITE LANE LINE EXTENSION PER WS01 STD PLAN W-20-D-02
 - INSTALL 8" WIDE SOLID YELLOW CENTERLINE WITH 4" YELLOW SIDE LINE PER XXXXXXX
 - INSTALL 8" WIDE SOLID WHITE LANE LINE PER WS01 STD PLAN W-20-D-02
 - INSTALL TYPE 658 PAVEMENT MARKING PER WS01 STD PLAN W-24-40-01
 - INSTALL POWERED BLACK OIL SOLID COORDINATE WITH SIGN SQUARE FOR INTERCONNECT

- GENERAL NOTES:**
- ALL TRAFFIC STRIPING, PAVEMENT MARKING, AND PAVEMENT MARKERS SHALL BE DONE PRIOR TO FIELD INSPECTION AND APPROVAL.
 - NO STRIPING MAY BE DONE PRIOR TO FIELD INSPECTION AND APPROVAL.
 - CONTRACTOR SHALL CONTACT THE TRAFFIC AND TRANSPORTATION DIVISION AT CONULZ COUNTY 48 HOURS PRIOR TO STRIPING INSTALLATION.
 - TRAFFIC STRIPING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH WS01 SECTION 8-22.
 - PAVEMENT DELINEATION PATTERNS SHALL CONFORM TO THE DETAILS IN W-24-40-01 AND W-20-D-02. ALL DELINEATION PATTERNS SHALL BE WHITE. LETTERS SHALL BE REMOVED BY THE CONTRACTOR.
 - PAVEMENT ABOVE IN FRONT OF A TURN LANE SHALL BE FINISHED APPROXIMATELY 9" FEET FROM THE LANE LINE AND THE ARROW AT THE END OF THE TURN. THE SIGNET BRIDGE OF APPROXIMATELY 5 FEET FROM THE END OF THE TURN SHALL BE REMOVED BY THE CONTRACTOR.
 - RETRO-REFLECTIVE LANE MARKINGS SHALL BE REMOVED PAINTED MARKINGS AND STRIPING SHALL BE REMOVED BY WET SAND BLASTING.
 - ALL EXISTING SIGNS AND POSTS NOT TO BE REUSED SHALL BE REMOVED.
 - RELOCATED OR NEW SIGNS AS SHOWN ON PLANS SHALL BE INSTALLED FROM THE ROAD SIDE OF THE STREET. SIGN POLES ARE USED FOR SIGN BREAK AWAY TYPE 2 INCH SQUARE TUBE.
 - ALL TRAFFIC SIGNS SHALL HAVE RETRO REFLECTIVE SHEETING.

- NOTES:**
1. FOR RIGHT-OF-WAY AND PROPOSED RIGHT-OF-WAY DIMENSIONS, SEE PLAN AND PROFILE DRAWINGS.
 2. ALL SLOPES SHALL CONFORM TO GEOTECHNICAL ENGINEER JACOBS ASSOCIATES PROJECT MEMORANDUM DATED XX.XX.2012.
 3. FILL AND CUT SLOPES SHALL BE AS INDICATED ON SITE EXPLICIT CONSTRUCTION PLANS AND PROFILES.
 4. REMOVE AND REPLACE TOP SOIL TO DEPTH AS SHOWN ON PLAN AND PROFILE.



<p>NOT FOR CONSTRUCTION 2014 UPDATED PRELIMINARY ENGINEERING</p>		<p>DESIGNED BY: E. LOPEZ DRAWN BY: E. LOPEZ CHECKED BY: B. HORCKO APPROVED BY: M. CANIS DATE: FEBRUARY 14, 2014</p>		<p>BNSF RAILWAY</p> <p>PORTERSOMNET ENGINEERING, INC. 125 7TH ST. COUNTRY RD SUITE 300 DENVER, CO 80202</p>		<p>CONTRACT NO. DRAWING NO. CT-01 REVISION SHEET NO. SCALE AS SHOWN</p>	
REV	DATE	DESCRIPTION					

PROJECT NUMBER	COST ELEMENT	LINE ITEM	CONTRACT DESIGNATOR	PHYSICAL ENTITY	WORK ELEMENT

REV	DATE	DESCRIPTION

REVISION	DATE	BY	DESCRIPTION

APPROVED BY	DATE	REVISION	DATE

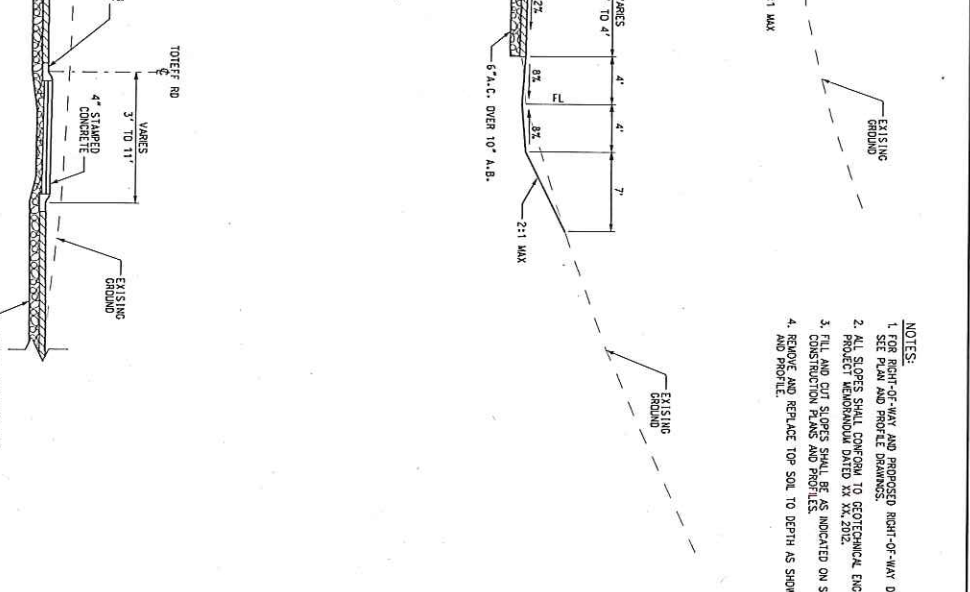
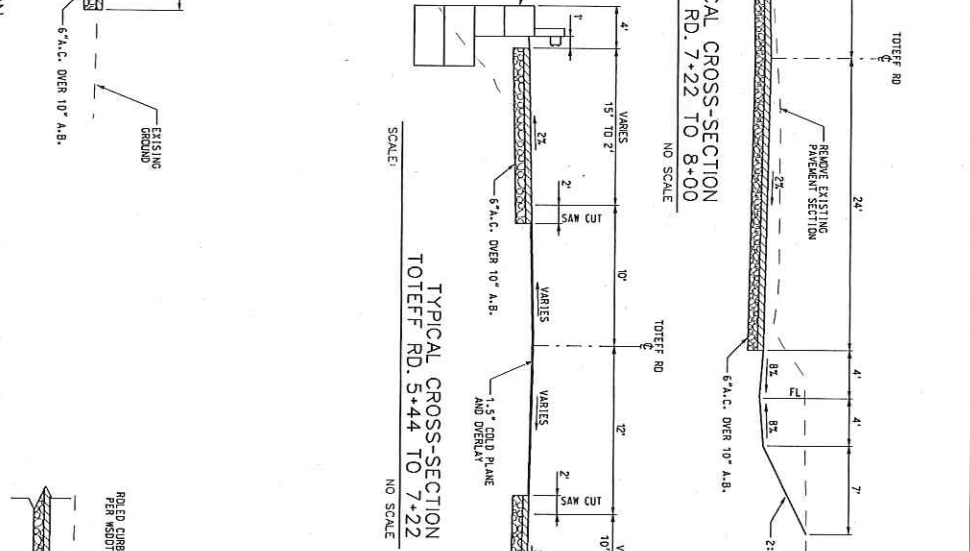
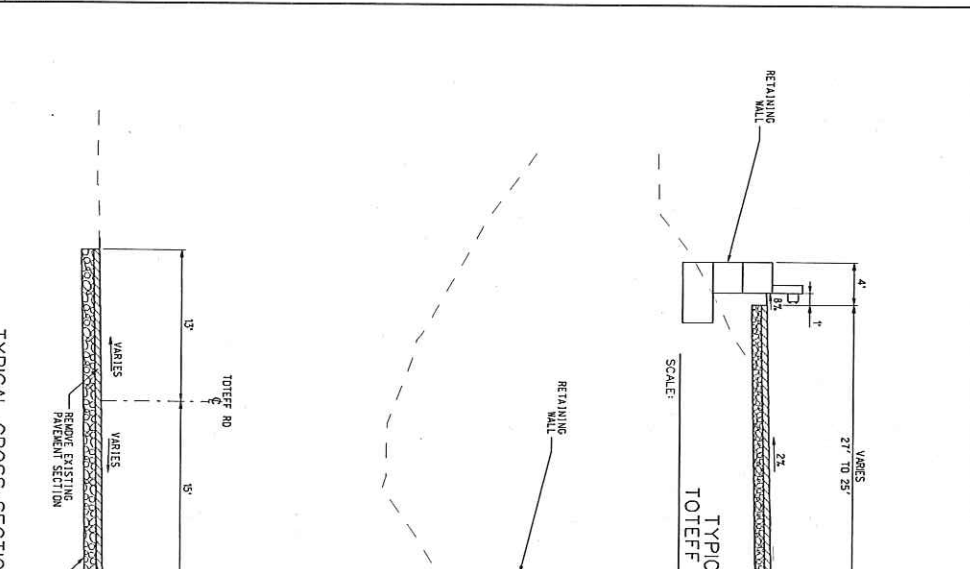
DESIGNED BY	CHECKED BY	APPROVED BY	DATE
E. LOPEZ	B. JOHNSON	U. CHANG	FEBRUARY 14, 2014

PROJECT NUMBER	COST ELEMENT	LINE ITEM	CONTRACT DESIGNATOR	PHYSICAL ENTITY	WORK ELEMENT

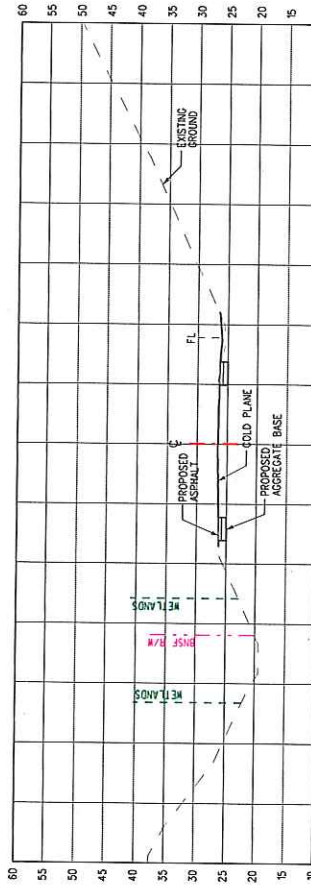
CONTRACT NO.	DRAWING NO.	REVISION	SHEET NO.	SCALE
	CT-02			AS SHOWN

NOT FOR CONSTRUCTION
 2014 UPDATED
PRELIMINARY ENGINEERING

BNSF SEATTLE SUBDIVISION
 KELSO TO MARTIN'S BLUFF
 TASK 4
 HENDRICKSON DRIVE AND TOTEFF ROAD
 TYPICAL SECTIONS



- NOTES:**
1. FOR RIGHT-OF-WAY AND PROPOSED RIGHT-OF-WAY DIMENSIONS, SEE PLAN AND PROFILE DRAWINGS.
 2. ALL SLOPES SHALL CONFORM TO GEOTECHNICAL ENGINEER JACOBS ASSOCIATES PROJECT MEMORANDUM DATED XX.XX.2012.
 3. FILL AND CUT SLOPES SHALL BE AS INDICATED ON SITE EXPLICIT CONSTRUCTION PLANS AND PROFILES.
 4. REMOVE AND REPLACE TOP SOIL TO DEPTH AS SHOWN ON PLAN AND PROFILE.



NOTE:
 1. STATIONING IS BASED ON TOPEFF ROAD (SEE PLANS)
 2. BNSF RIGHT-OF-WAY LIMIT NOT SHOWN WHEN BEYOND THE LIMIT OF THE CROSS SECTION

NOT FOR CONSTRUCTION
2014 UPDATED
PRELIMINARY ENGINEERING

DESIGNED BY B. KOPCOK
 DRAWN BY B. KOPCOK
 CHECKED BY L. LOPEZ
 APPROVED BY M. CONNS
 DATE MARCH 18, 2014

INTERCON
 ASSOCIATES, INC.
 1001 S. GARDEN AVENUE
 SUITE 300
 ANAHEIM, CA 92808



BNSF SEATTLE SUBDIVISION
 KELSO TO MARTIN'S BLUFF
 TASK 4

CROSS SECTIONS - STA. 5+50 TO STA. 8+00
 SHEET 1 OF 2

CONTRACT NO.
 DRAWING NO. CX-01
 REVISION SHEET NO.
 SCALE AS SHOWN



NOT FOR CONSTRUCTION
2014 UPDATED
PRELIMINARY ENGINEERING

DESIGNED BY	B. MORRIS
DRAWN BY	B. MORRIS
CHECKED BY	E. LOHMEYER
APPROVED BY	M. CHANG
DATE	MARCH 18, 2014



BNSF SEATTLE SUBDIVISION
 KELSO TO MARTIN'S BLUFF
 TASK 4
 HENDRICKSON DRIVE
 CROSS SECTIONS - STA 12+50 TO STA 15+00
 SHEET 2 OF 2

CONTRACT NO.	
DRAWING NO.	CX-02
REVISION	
SHEET NO.	
SCALE	AS SHOWN

NOTE:
 1. STATIONING IS BASED ON HENDRICKSON DRIVE (SEE PLANS)
 2. STATIONING OF MAIN LANE NOT SHOWN BEYOND THE LIMIT OF THE CROSS SECTION

