

Mar, 30 2011 09:32 am P:\60161330\000_CAD\006_Civil\Sheets\TRK-SHT-010.dwg By: gurgeld



PRELIMINARY
DRAFT
NOT FOR
CONSTRUCTION



AECOM



HENNEPIN
COUNTY



MINNESOTA DEPT. OF
TRANSPORTATION

MN&S FREIGHT RAIL STUDY

TRACK PLAN

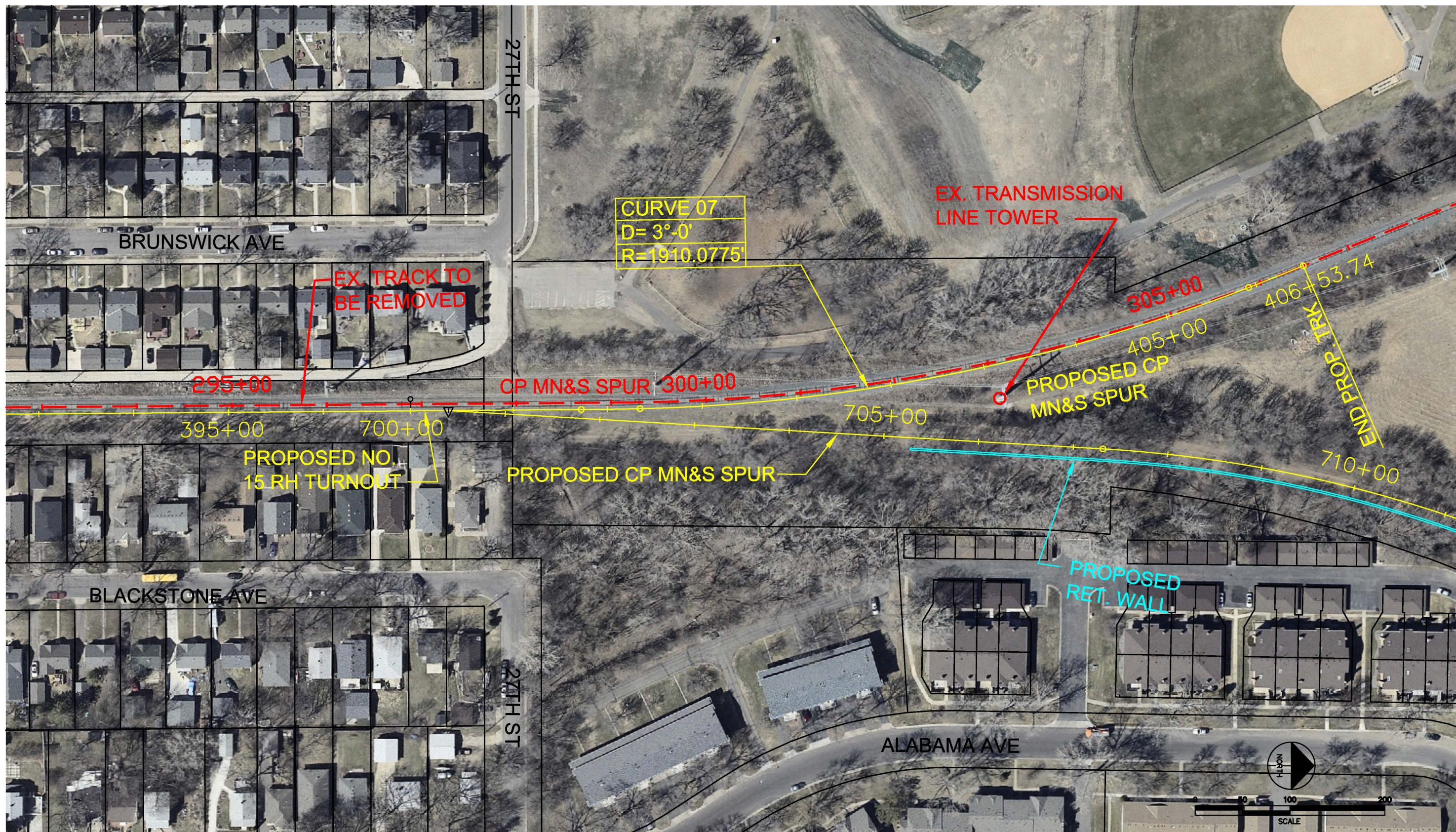
SHEET

12

OF

31

Mar, 30 2011 09:33 am P:\60161330\000_CAD\Civil\Sheets\TRK-SHT-011.dwg By: gurgald



PRELIMINARY
DRAFT
NOT FOR
CONSTRUCTION



AECOM



HENNEPIN
COUNTY



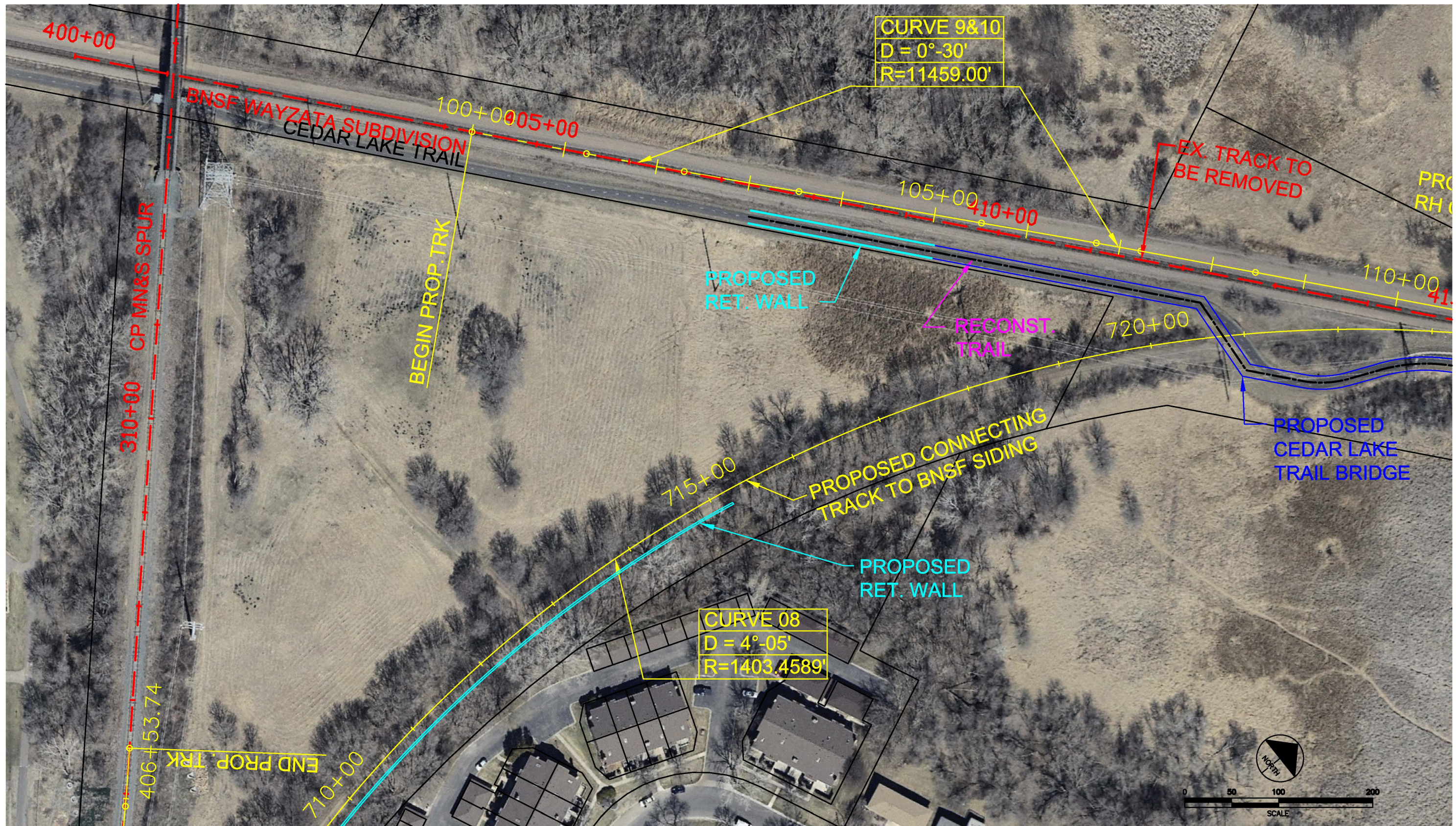
MINNESOTA DEPT. OF
TRANSPORTATION

MN&S FREIGHT RAIL STUDY

TRACK PLAN

SHEET
13
OF
31

Mar, 30 2011 09:34 am P:\60161330\000_CAD\006_Civil\Sheets\TRK-SHT-012.dwg By: gurgeld



PRELIMINARY
DRAFT
NOT FOR
CONSTRUCTION



AECOM

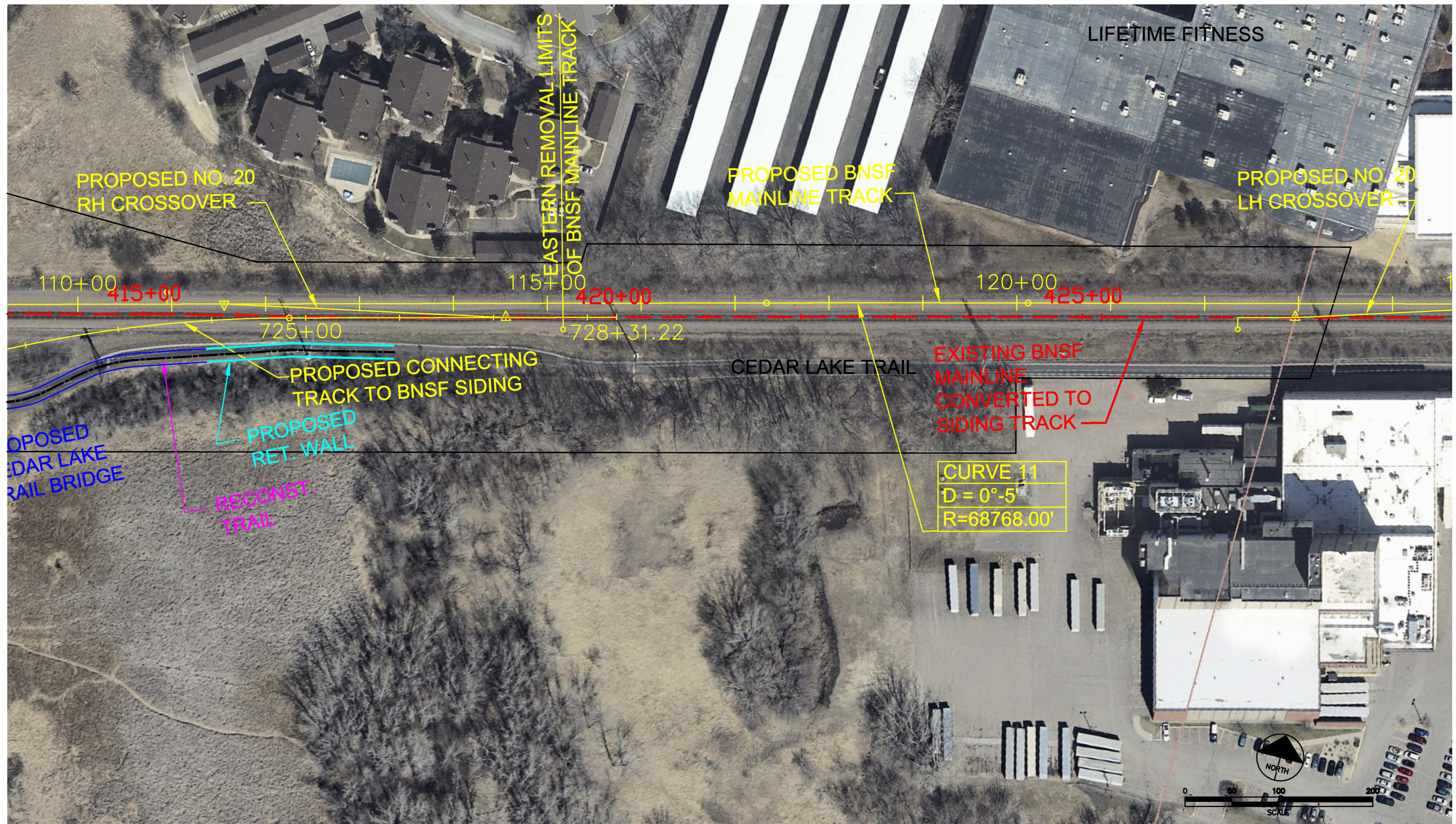


MN&S FREIGHT RAIL STUDY

TRACK PLAN

SHEET
14
OF
31

Mar, 30 2011 09:35 am P:\60161330\000_CAD\006_Civil\Sheets\TRK-SHT-013.dwg By: gurgeld



PRELIMINARY
DRAFT
NOT FOR
CONSTRUCTION



AECOM

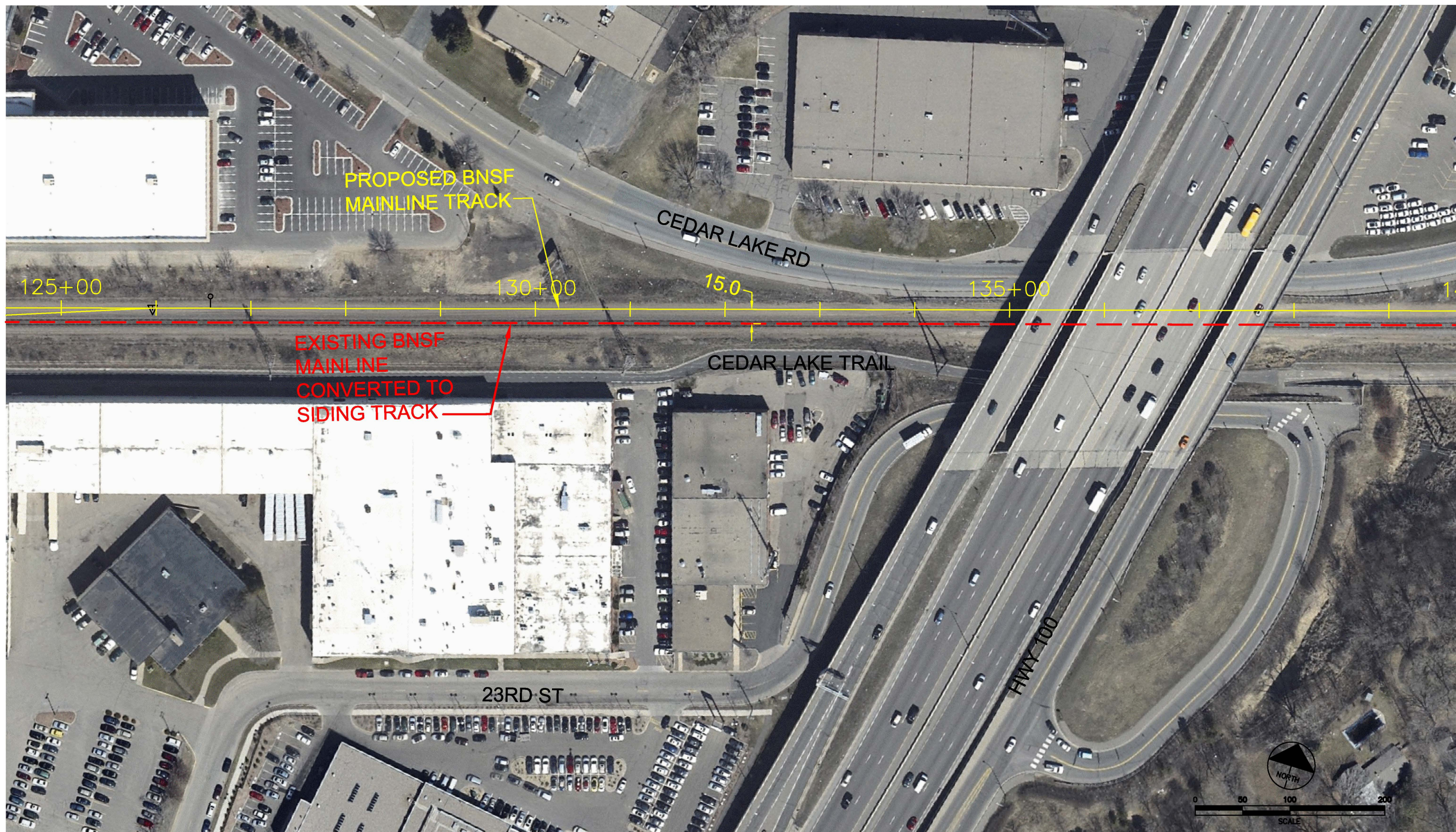


MN&S FREIGHT RAIL STUDY

TRACK PLAN

SHEET
15
OF
31

Mar, 30 2011 09:37 am P:\60161330\000_CAD\006_Civil\Sheets\TRK-SHT-014.dwg By: gurgeld



PRELIMINARY
DRAFT
NOT FOR
CONSTRUCTION



AECOM

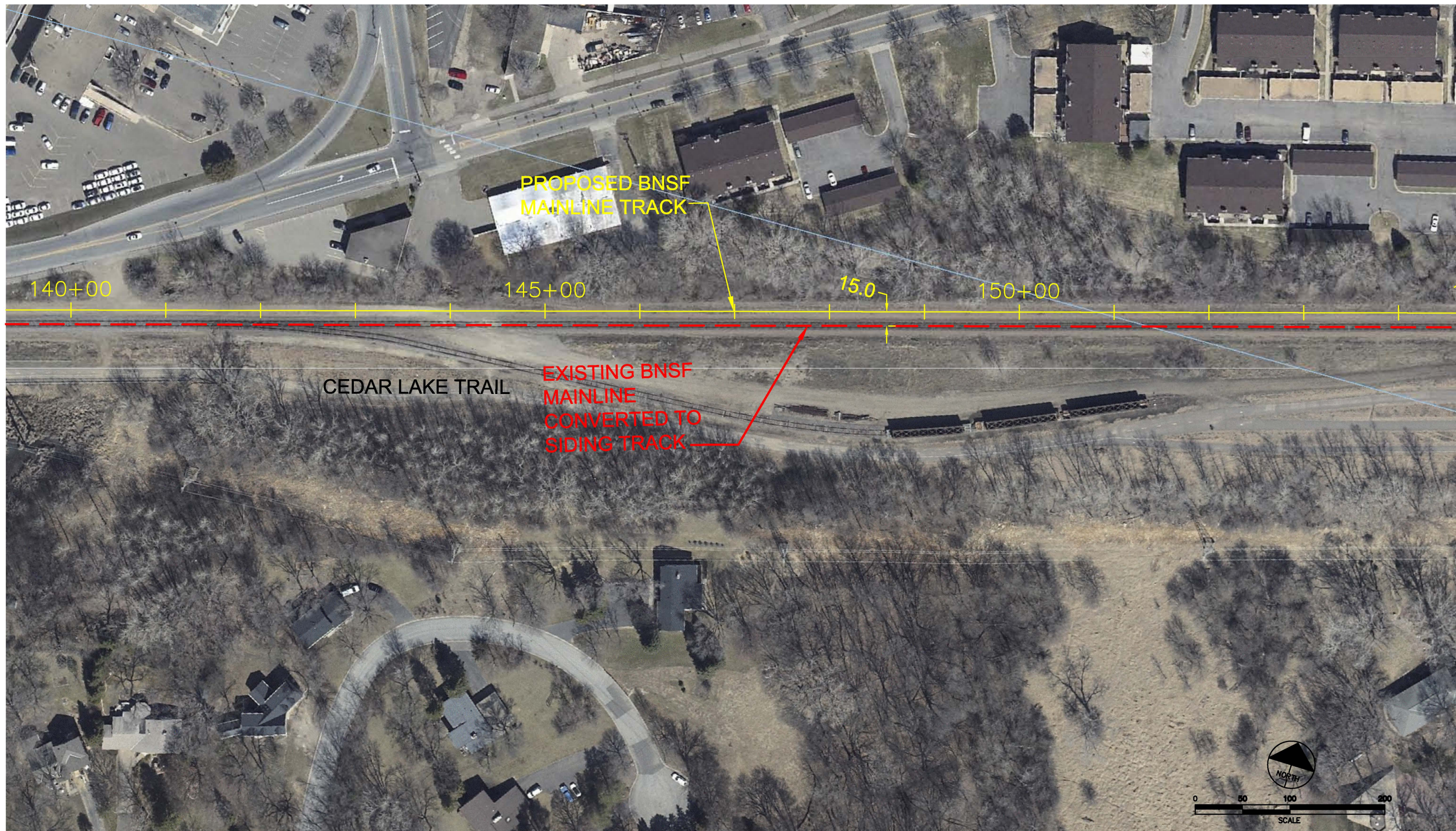


MN&S FREIGHT RAIL STUDY

TRACK PLAN

SHEET
16
OF
31

Mar, 30 2011 09:38 am P:\60161330\000_CAD\006_Civil\Sheets\TRK-SHT-015.dwg By: gurgeld



PRELIMINARY
DRAFT
NOT FOR
CONSTRUCTION



AECOM

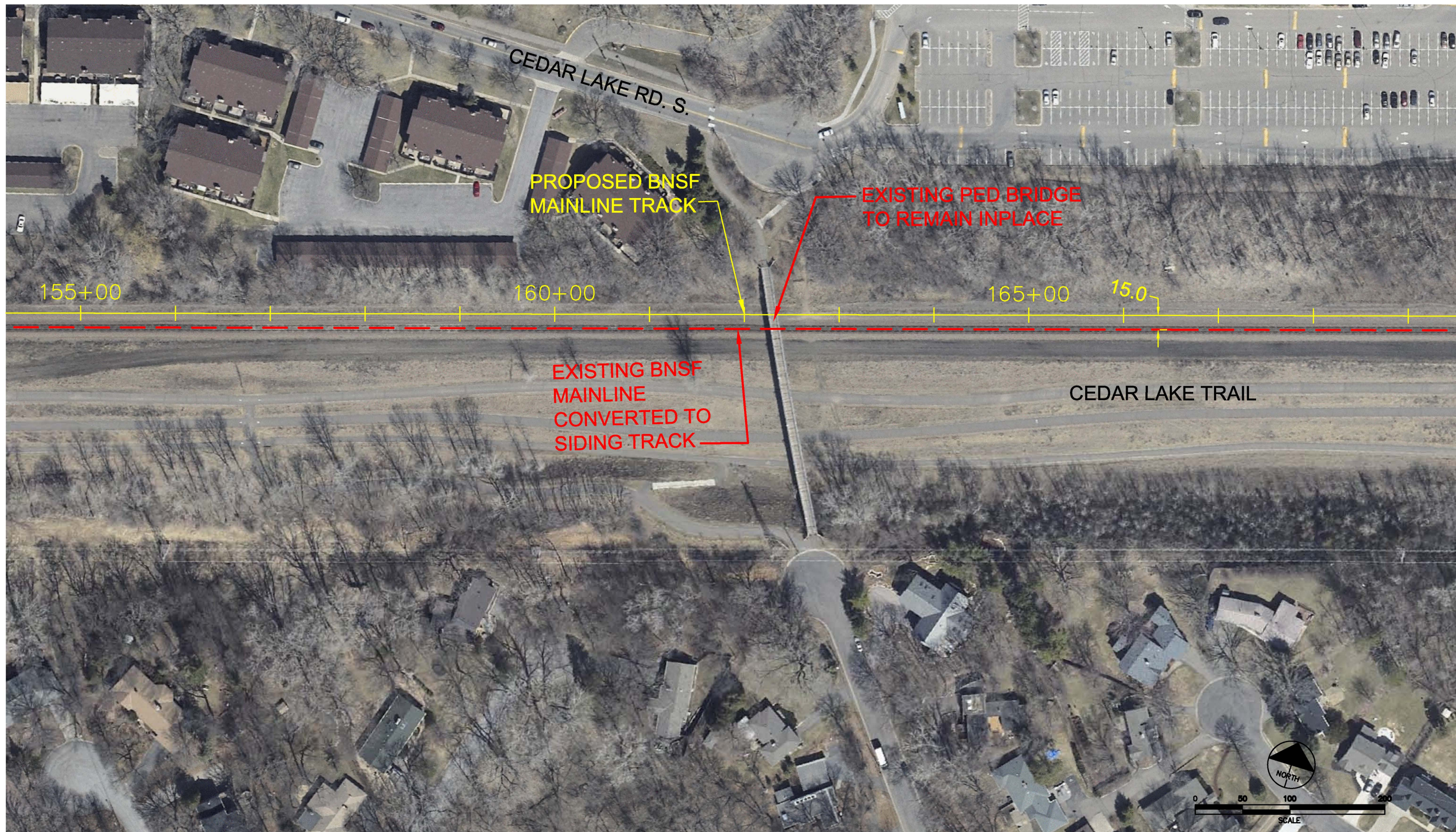


MN&S FREIGHT RAIL STUDY

TRACK PLAN

SHEET
17
OF
31

Mar, 30 2011 09:40 am P:\60161330\000_CAD\006_Civil\Sheets\TRK-SHT-016.dwg By: gurgeld



PRELIMINARY
DRAFT
NOT FOR
CONSTRUCTION



AECOM

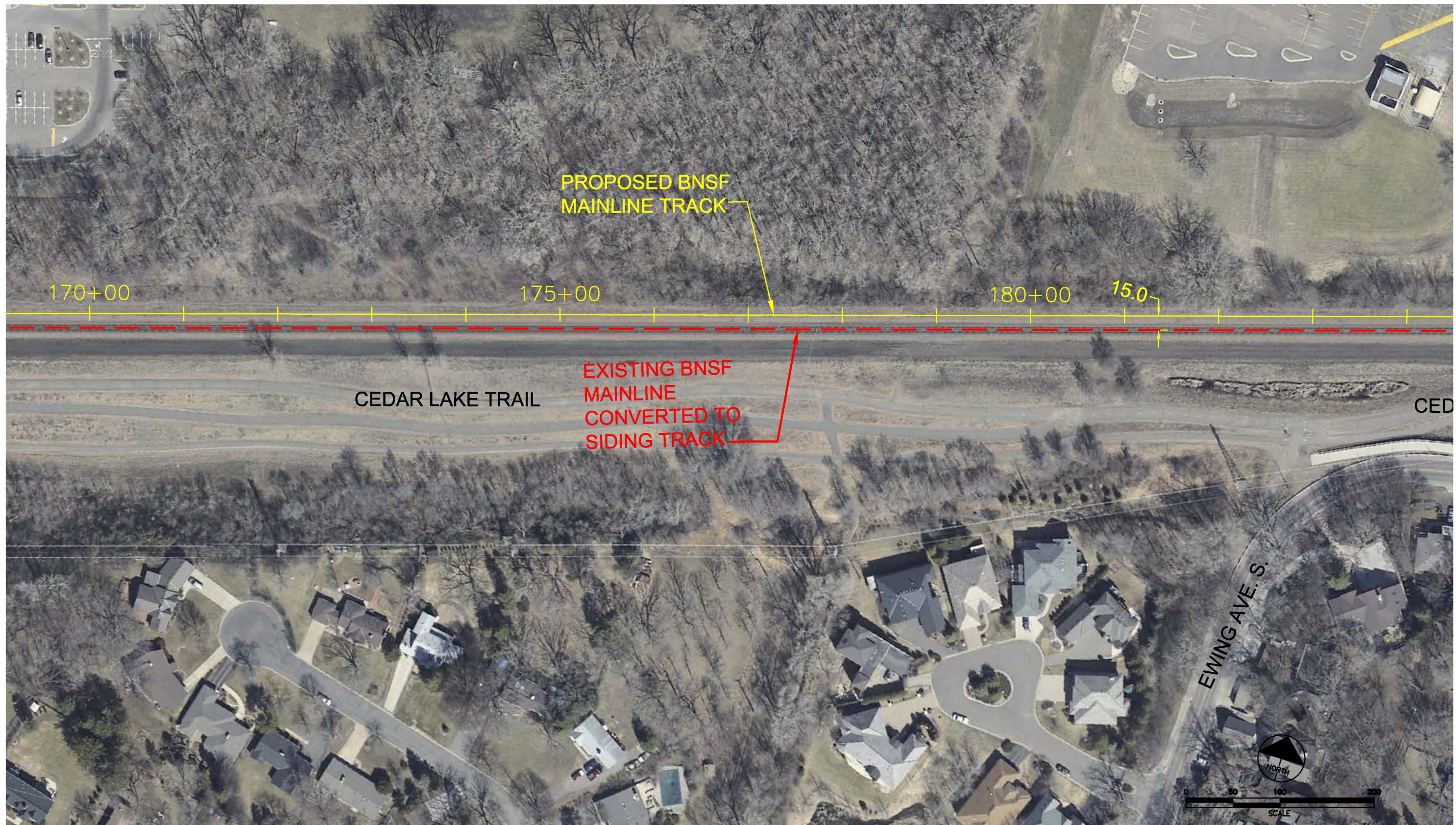


MN&S FREIGHT RAIL STUDY

TRACK PLAN

SHEET
18
OF
31

Mar, 30 2011 09:42 am P:\60161330\000_CAD\006_Civil\Sheets\TRK-SHT-017.dwg By: gurgeld



PRELIMINARY
DRAFT
NOT FOR
CONSTRUCTION



AECOM

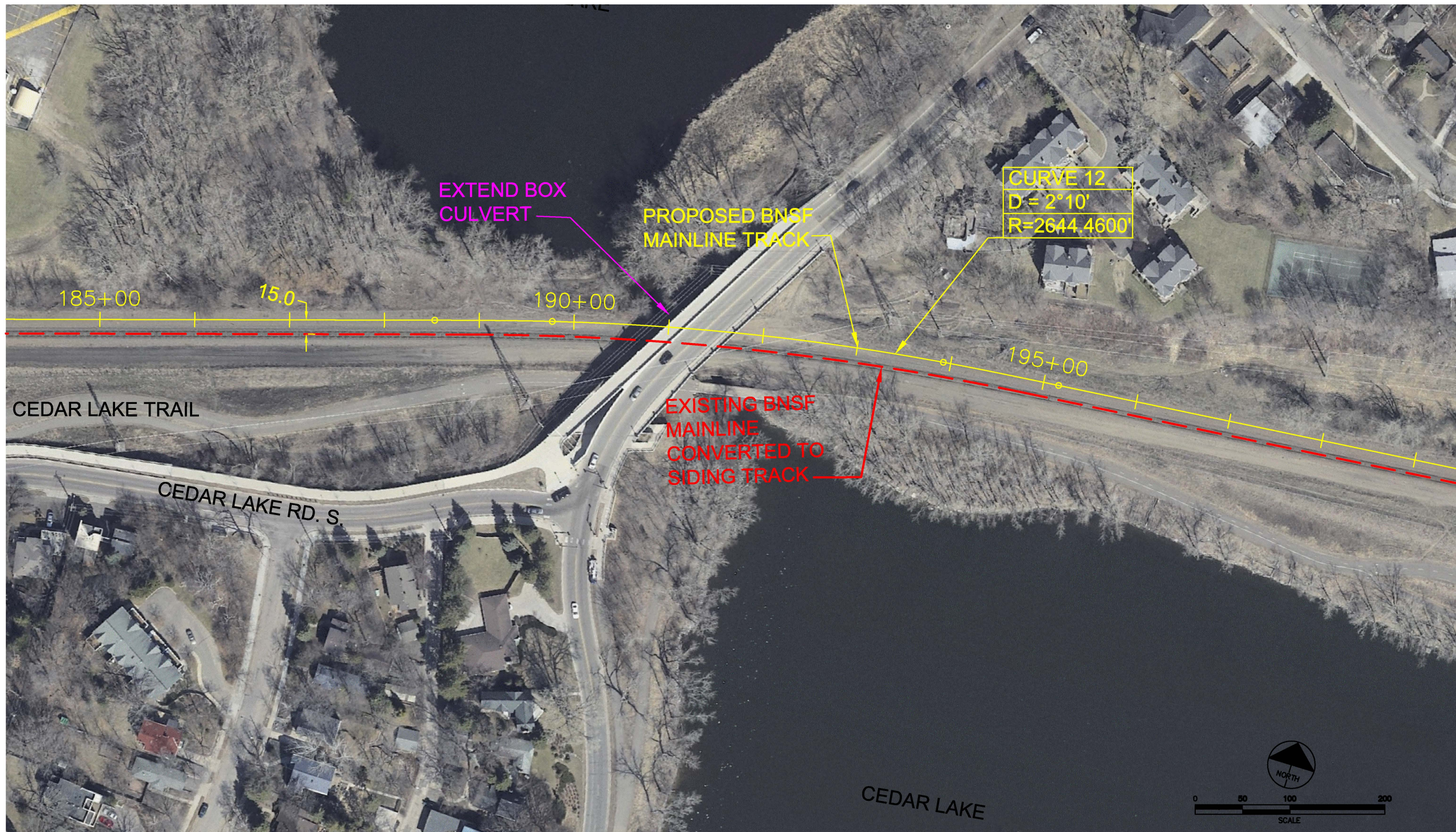


MN&S FREIGHT RAIL STUDY

TRACK PLAN

SHEET
19
OF
31

Mar, 30 2011 09:43 am P:\60161330\000_CAD\006_Civil\Sheets\TRK-SHT-018.dwg By: gurgeld



PRELIMINARY
DRAFT
NOT FOR
CONSTRUCTION



AECOM



MN&S FREIGHT RAIL STUDY

TRACK PLAN

SHEET
20
OF
31

Mar, 30 2011 09:44 am P:\60161330\000_CAD\006_Civil\Sheets\TRK-SHT-019.dwg By: gurgeld



PRELIMINARY
DRAFT
NOT FOR
CONSTRUCTION



AECOM

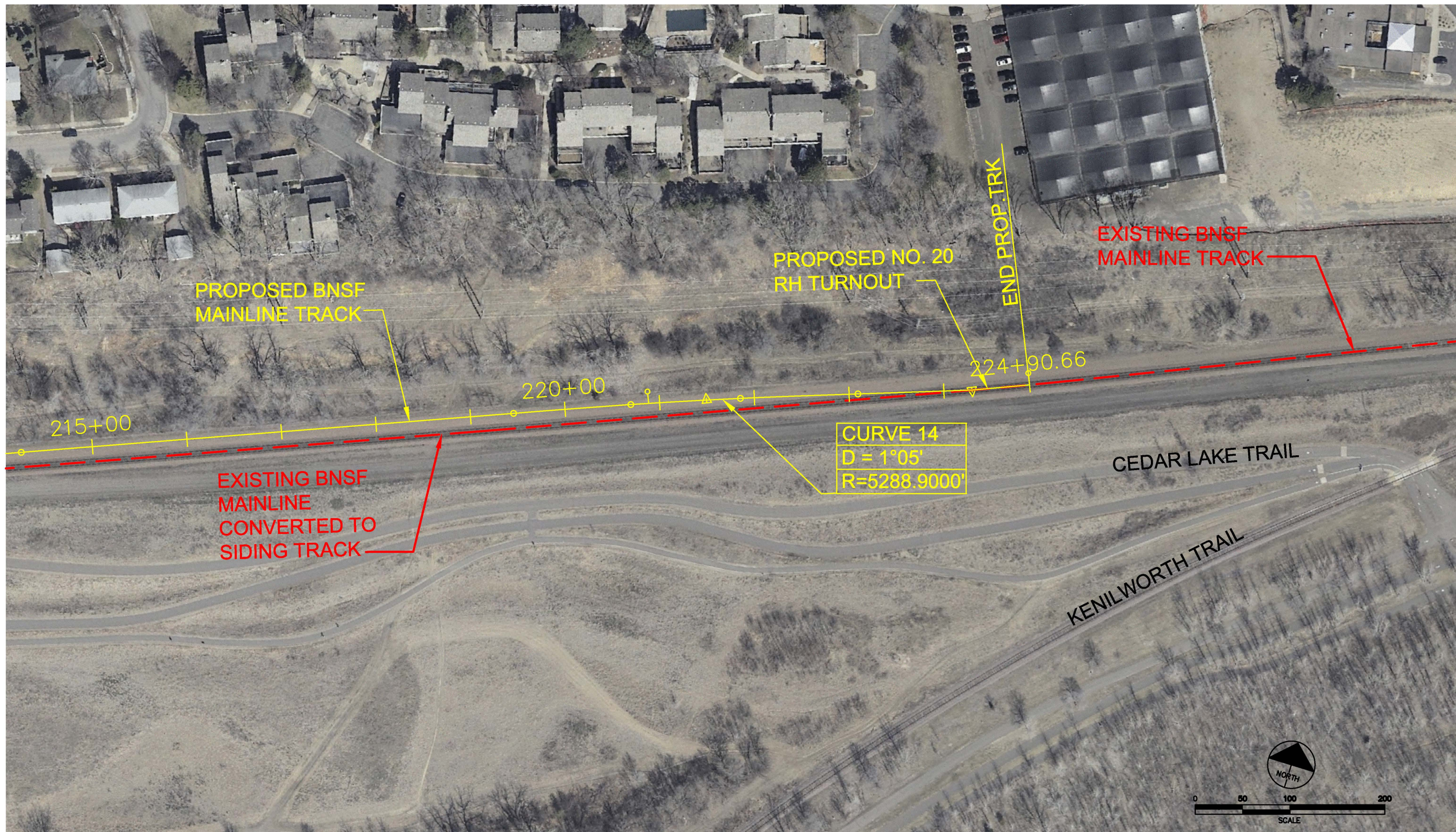


MN&S FREIGHT RAIL STUDY

TRACK PLAN

SHEET
21
OF
31

Mar, 30 2011 09:45 am P:\60161330\000_CAD\006_Civil\Sheets\TRK-SHT-020.dwg By: gurgeld



PRELIMINARY
DRAFT
NOT FOR
CONSTRUCTION



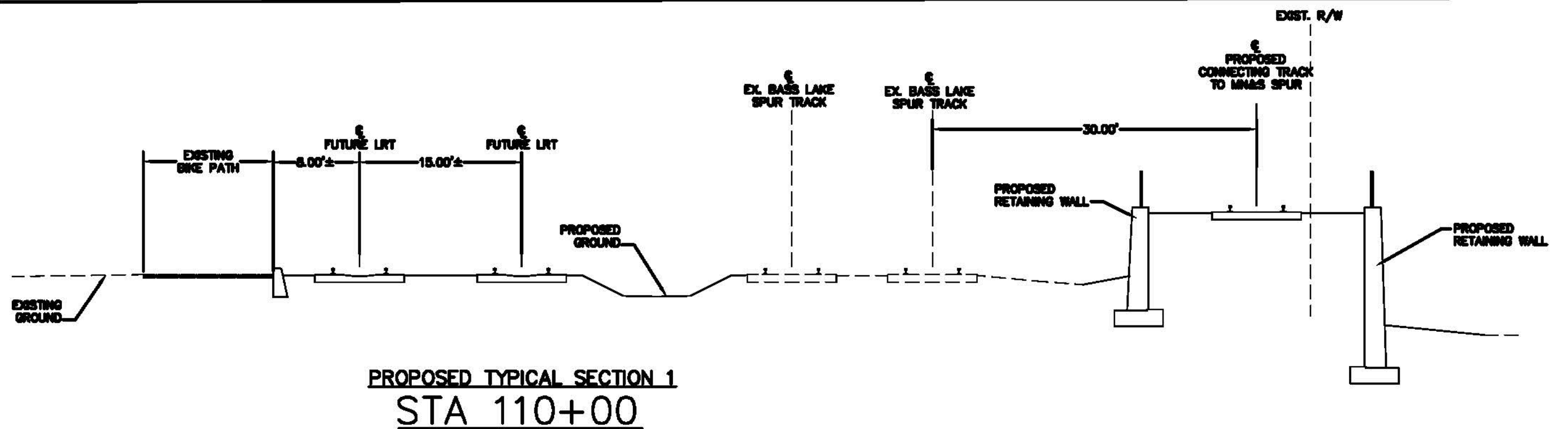
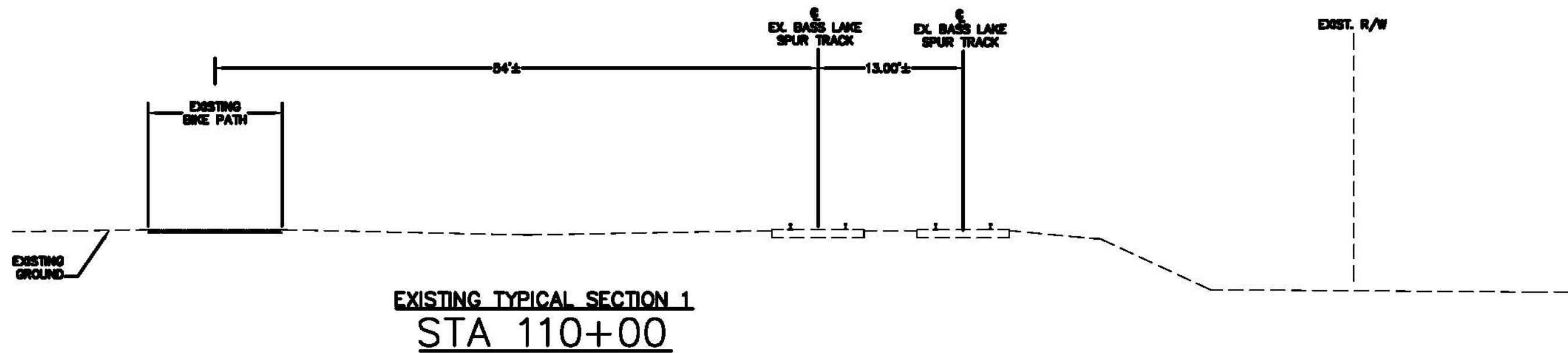
AECOM



MN&S FREIGHT RAIL STUDY

TRACK PLAN

SHEET
22
OF
31



Apr, 12 2011 06:34 am P:\0161330\000_CAD\006_Civil\Sheet\TRK-TYP-001.dwg By: boacha2

PRELIMINARY
DRAFT
NOT FOR
CONSTRUCTION



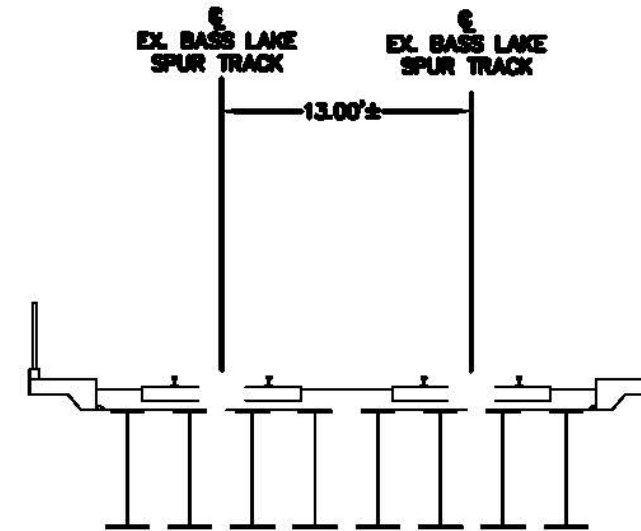
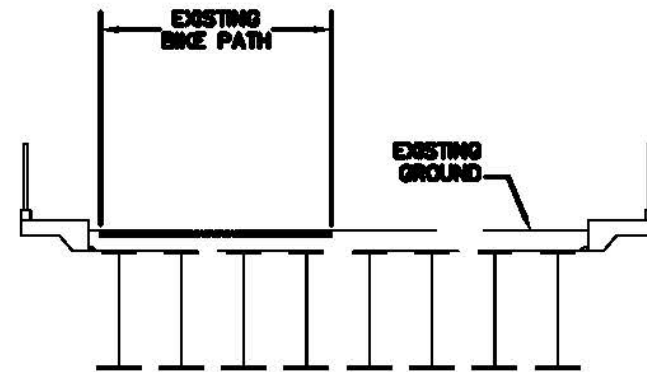
AECOM



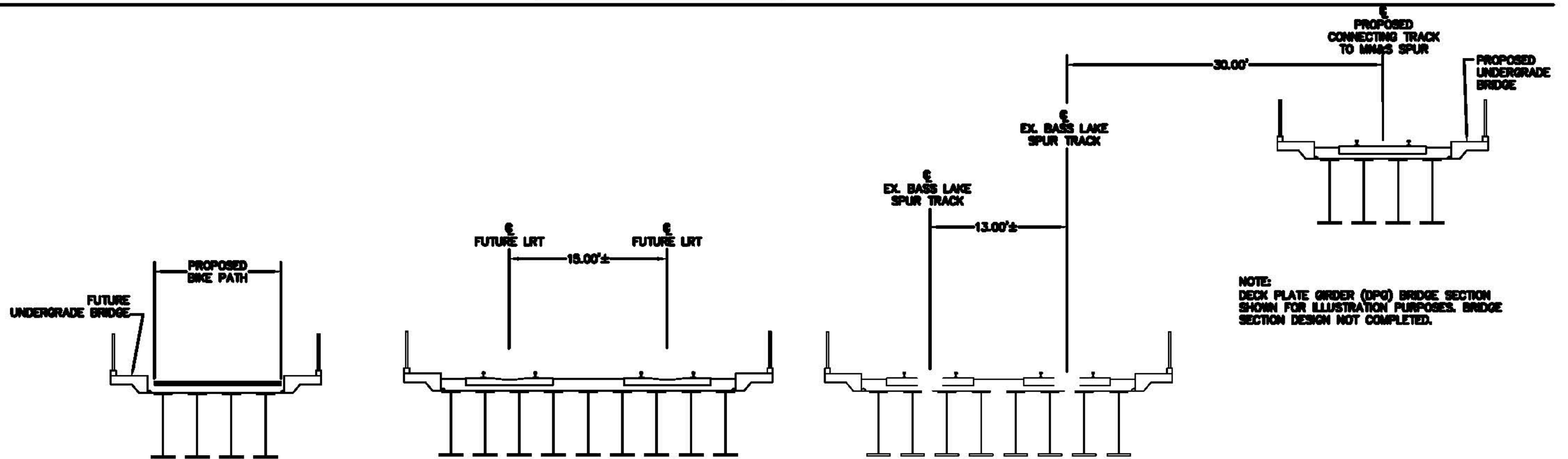
MN&S FREIGHT RAIL STUDY

**TRACK TYPICALS
TYPICAL SECTION 1**

SHEET
23
OF
31



EXISTING TYPICAL SECTION 2
STA 128+50



PROPOSED TYPICAL SECTION 2
STA 128+50



Apr, 12 2011 06:34 am P:\00161330\001_CAD\006_Civil\Sheet\TRK-TYP-002.dwg By: boach2

PRELIMINARY
DRAFT
NOT FOR
CONSTRUCTION



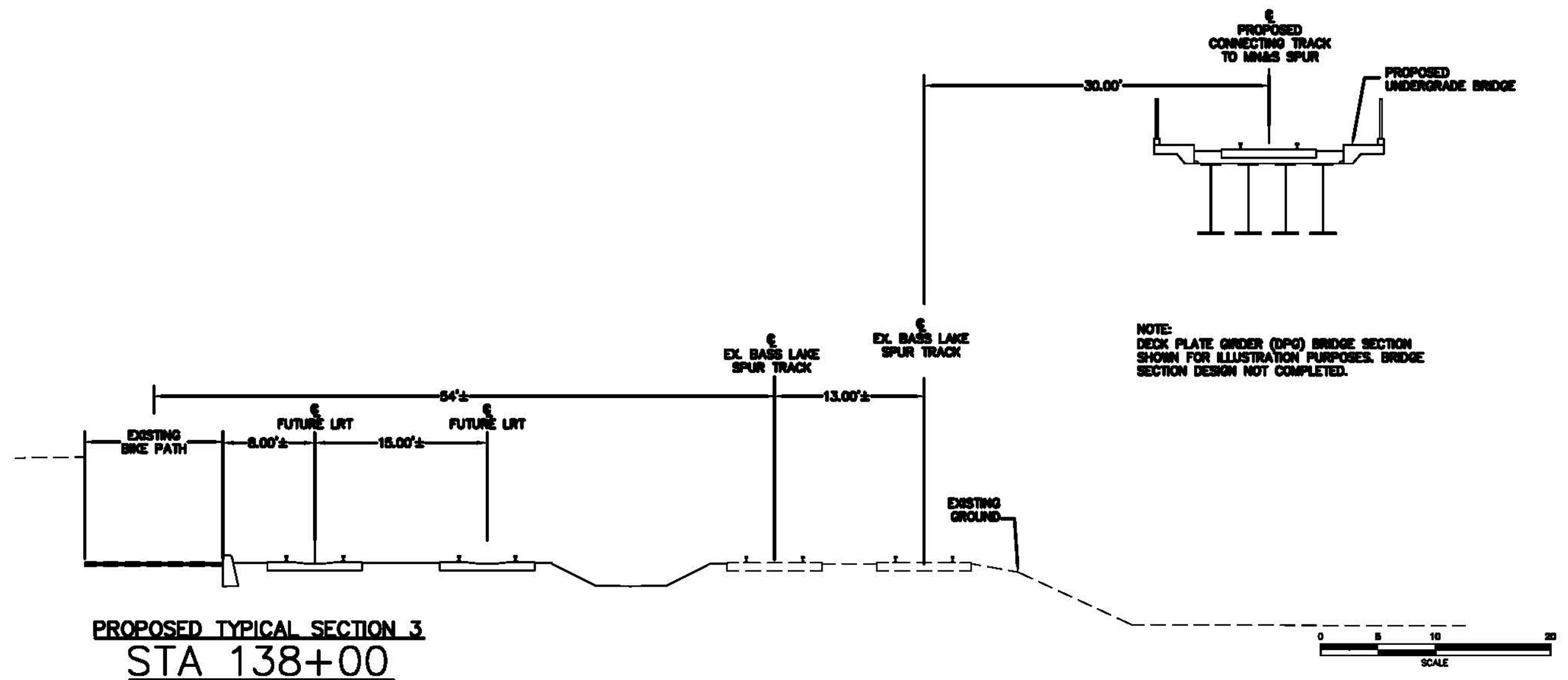
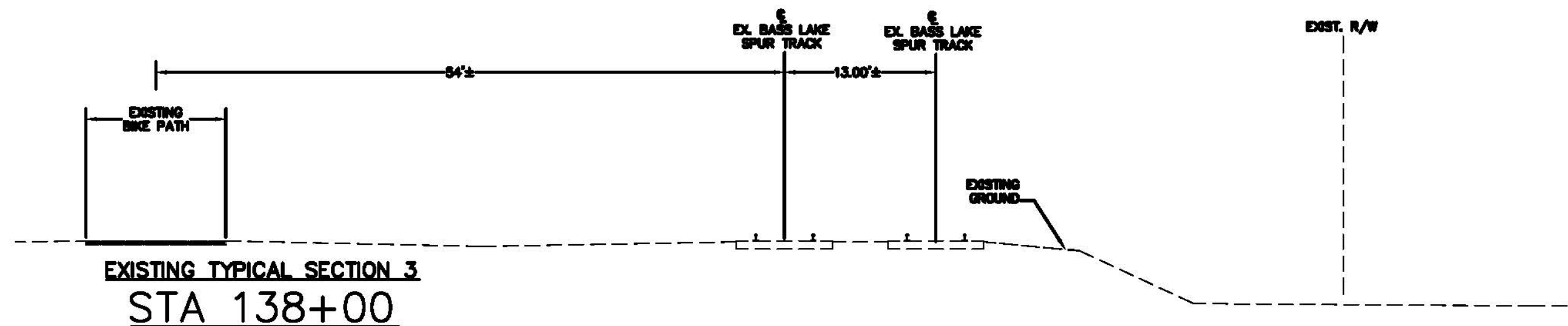
AECOM



MN&S FREIGHT RAIL STUDY

TRACK TYPICALS
TYPICAL SECTION 2

SHEET
24
OF
31



Apr, 12 2011 06:34 am P:\00161330\000_CAD\006_Civil\Sheet\TRK-TYP-003.dwg By: boach2

PRELIMINARY
DRAFT
NOT FOR
CONSTRUCTION



AECOM



MN&S FREIGHT RAIL STUDY

TRACK TYPICALS
TYPICAL SECTION 3

SHEET
25
OF
31

EXISTING
R/W

EXISTING
CP MN&S
SPUR

EXISTING
R/W

EXISTING TYPICAL SECTION 4
STA. 149+00

EXISTING
R/W

PROPOSED
CONNECTING TRACK
TO MN&S SPUR

PROPOSED MN&S
TRACK

EXISTING
R/W

PROPOSED
RETAINING WALL

PROPOSED
GROUND

PROPOSED TYPICAL SECTION 4
STA. 149+00



PRELIMINARY
DRAFT
NOT FOR
CONSTRUCTION



AECOM

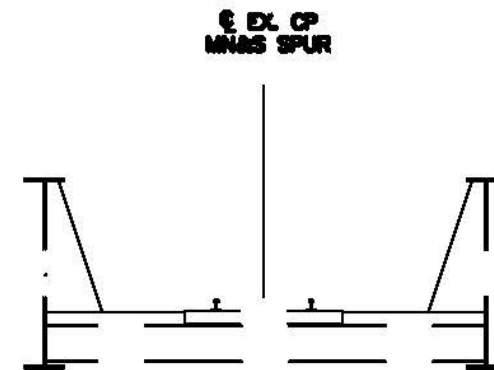


MN&S FREIGHT RAIL STUDY

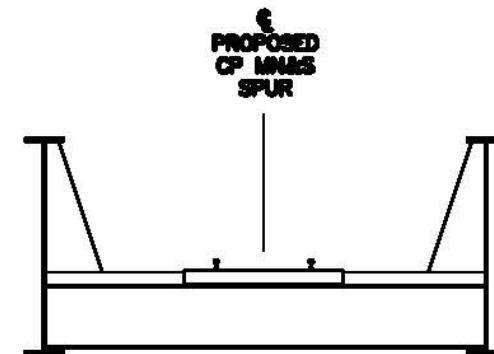
TRACK TYPICALS
TYPICAL SECTION 4

SHEET
26
OF
31

Apr. 12 2011 06:35 am P:\2011\1330\000_CAD\005_Civil\Sheet\TRK-TYP-005.dwg By: boachad2



EXISTING TYPICAL SECTION 5
STA. 150+00



NOTE:
THRU PLATE GIRDER (TPG) BRIDGE SECTION
SHOWN, BRIDGE SECTION DESIGN NOT COMPLETED.

PROPOSED TYPICAL SECTION 5
PROPOSED BRIDGE OVER TH 7 & FR. RD.



**PRELIMINARY
DRAFT
NOT FOR
CONSTRUCTION**



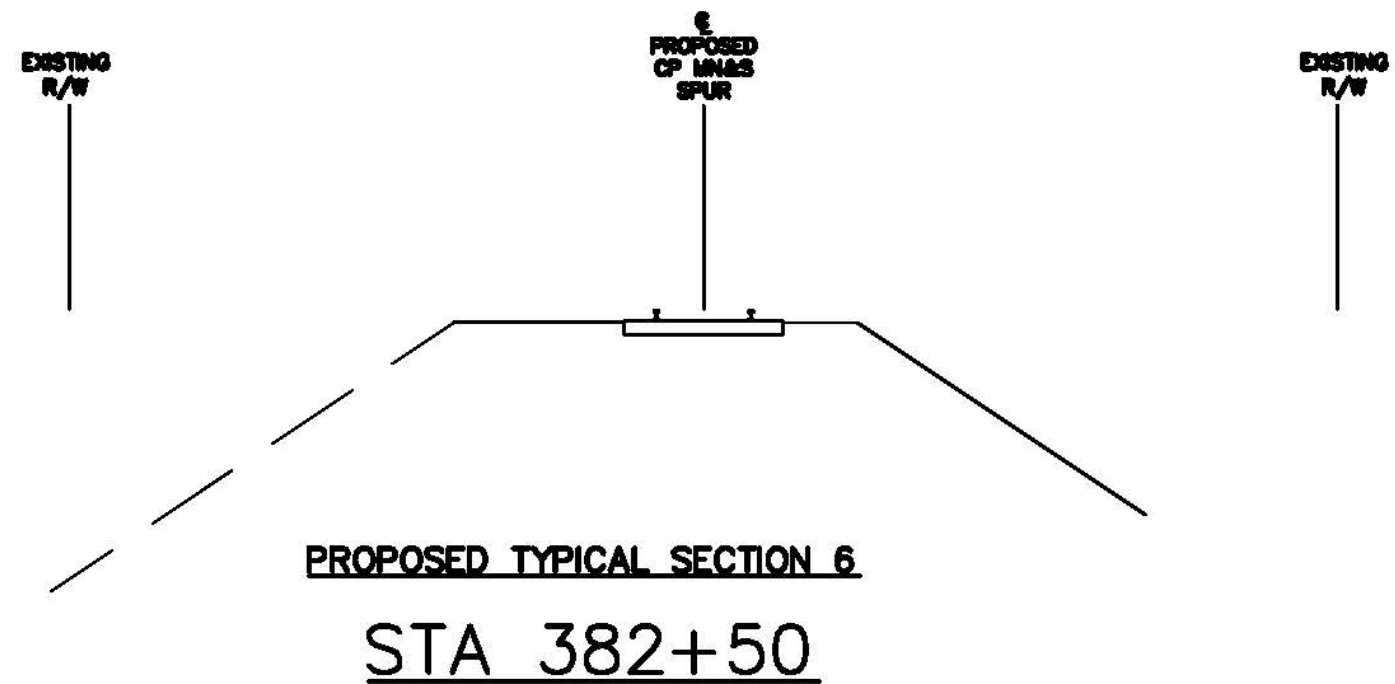
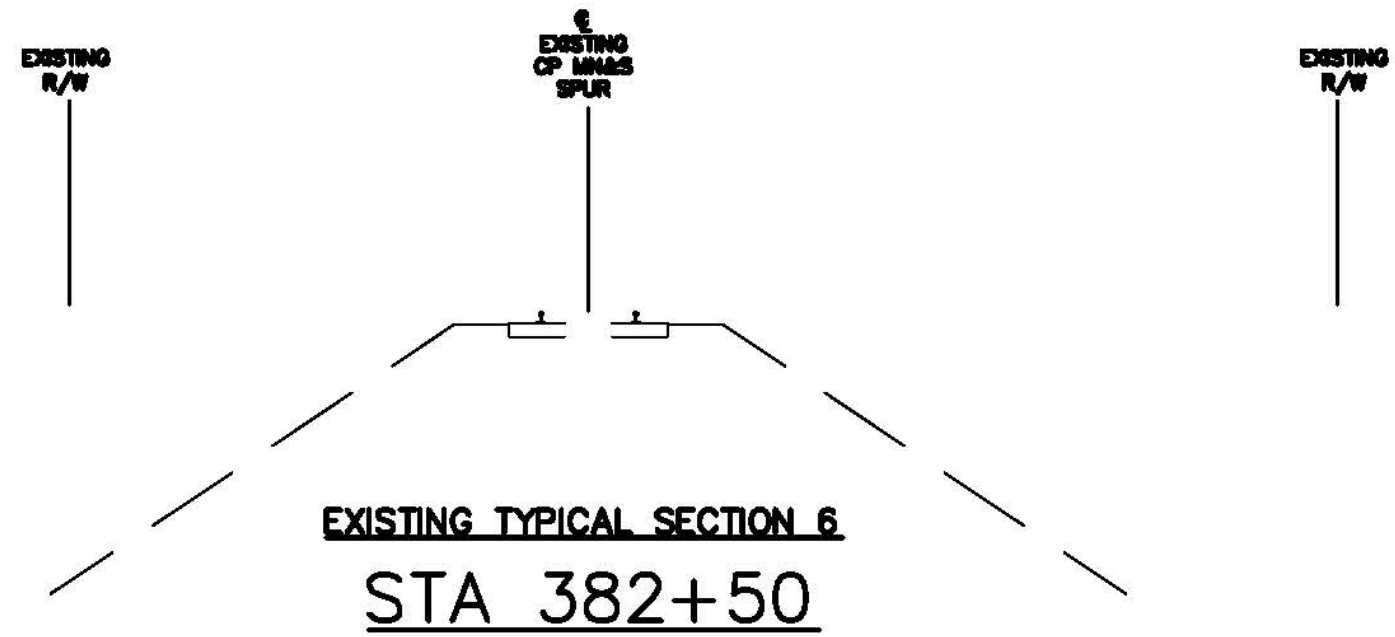
AECOM



MN&S FREIGHT RAIL STUDY

**TRACK TYPICALS
TYPICAL SECTION 5**

SHEET
27
OF
31



Apr. 12 2011 06:35 am P:\00161330\000_CAD\006_Civil\Sheet\TRK-TYP-006.dwg By: boachad2

PRELIMINARY
DRAFT
NOT FOR
CONSTRUCTION



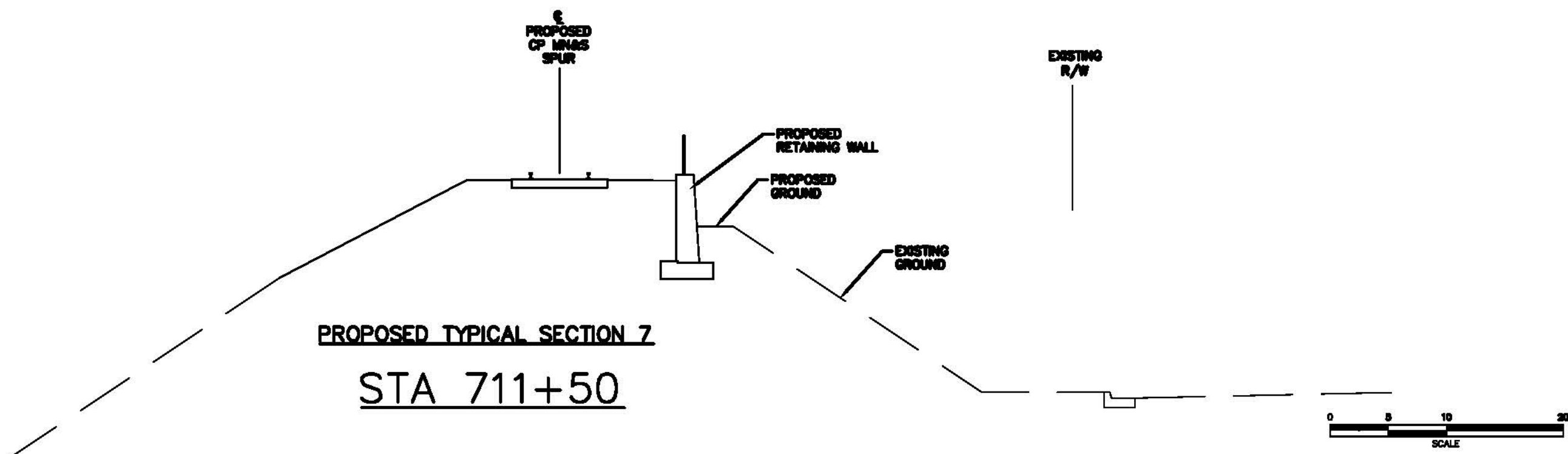
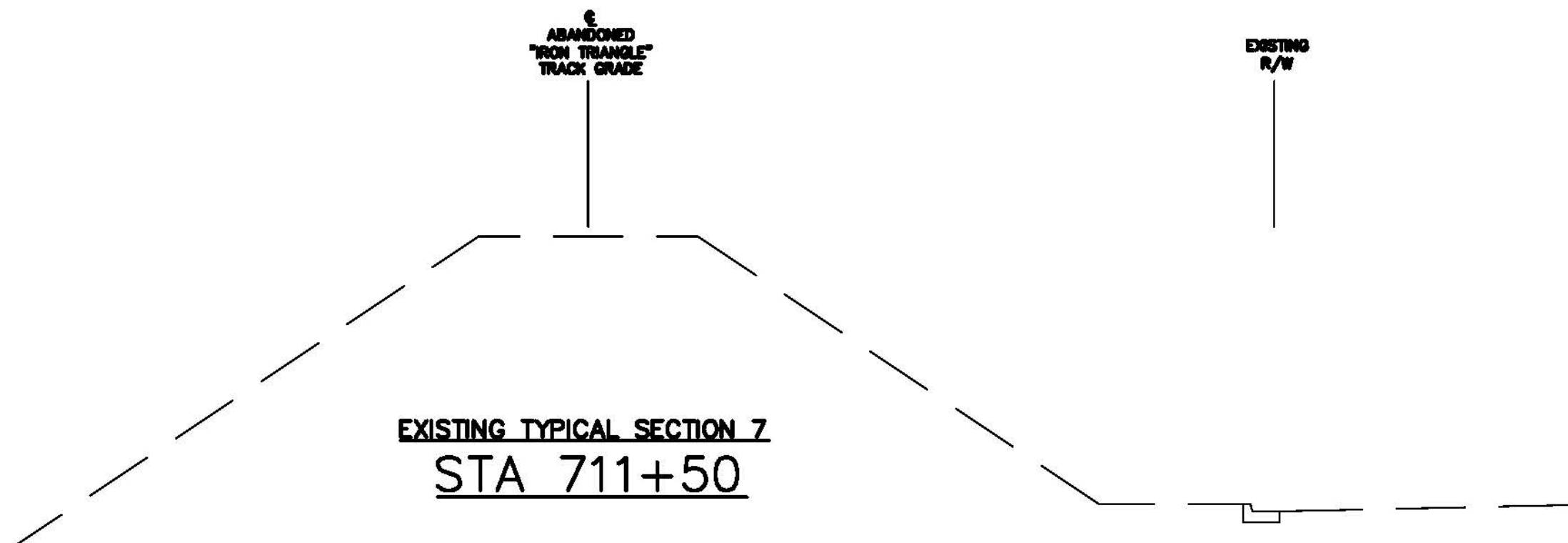
AECOM



MN&S FREIGHT RAIL STUDY

TRACK TYPICALS
TYPICAL SECTION 6

SHEET
28
OF
31



Apr, 12 2011 06:35 am P:\00161330\000_CAD\006_Civil\Sheet\TRK-TYP-007.dwg By: boachad2

PRELIMINARY
DRAFT
NOT FOR
CONSTRUCTION



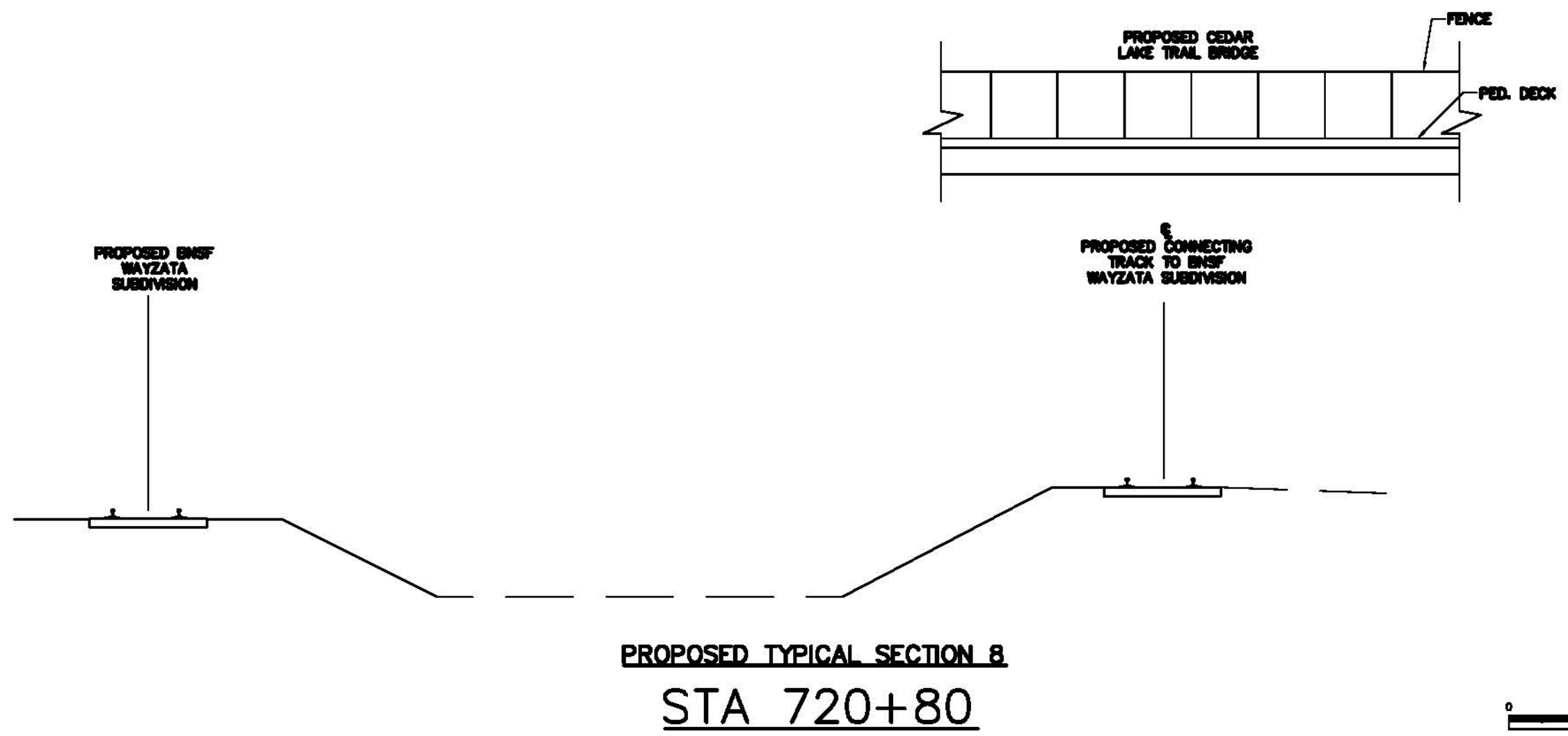
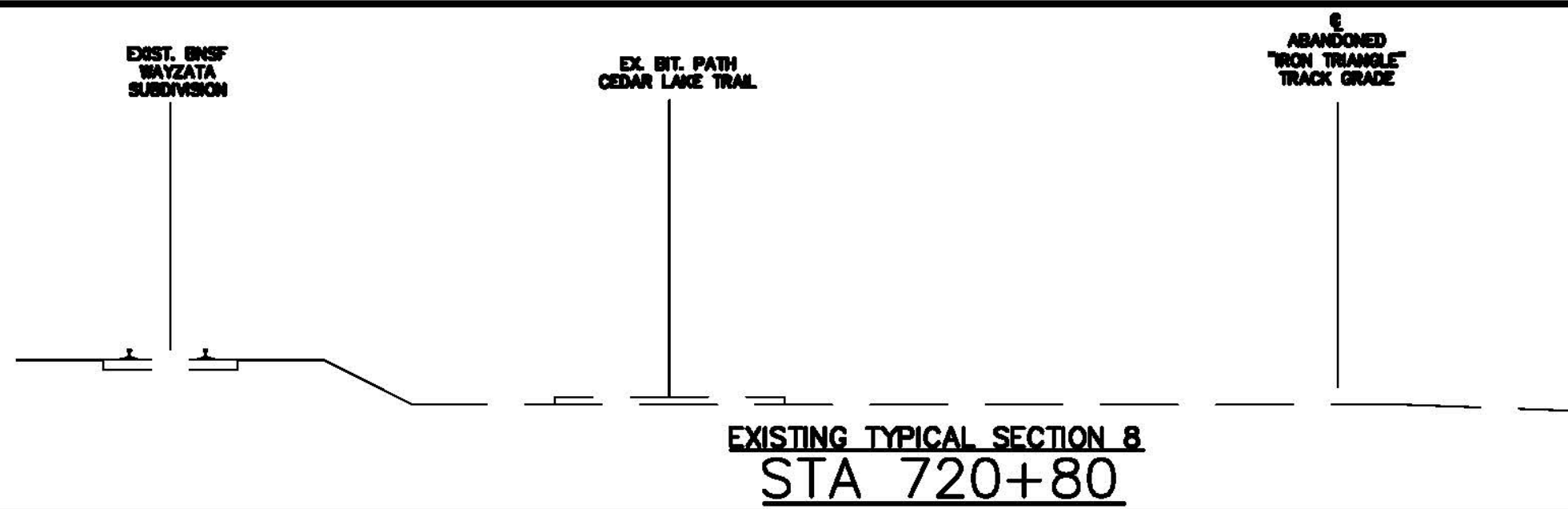
AECOM



MN&S FREIGHT RAIL STUDY

TRACK TYPICALS
TYPICAL SECTION 7

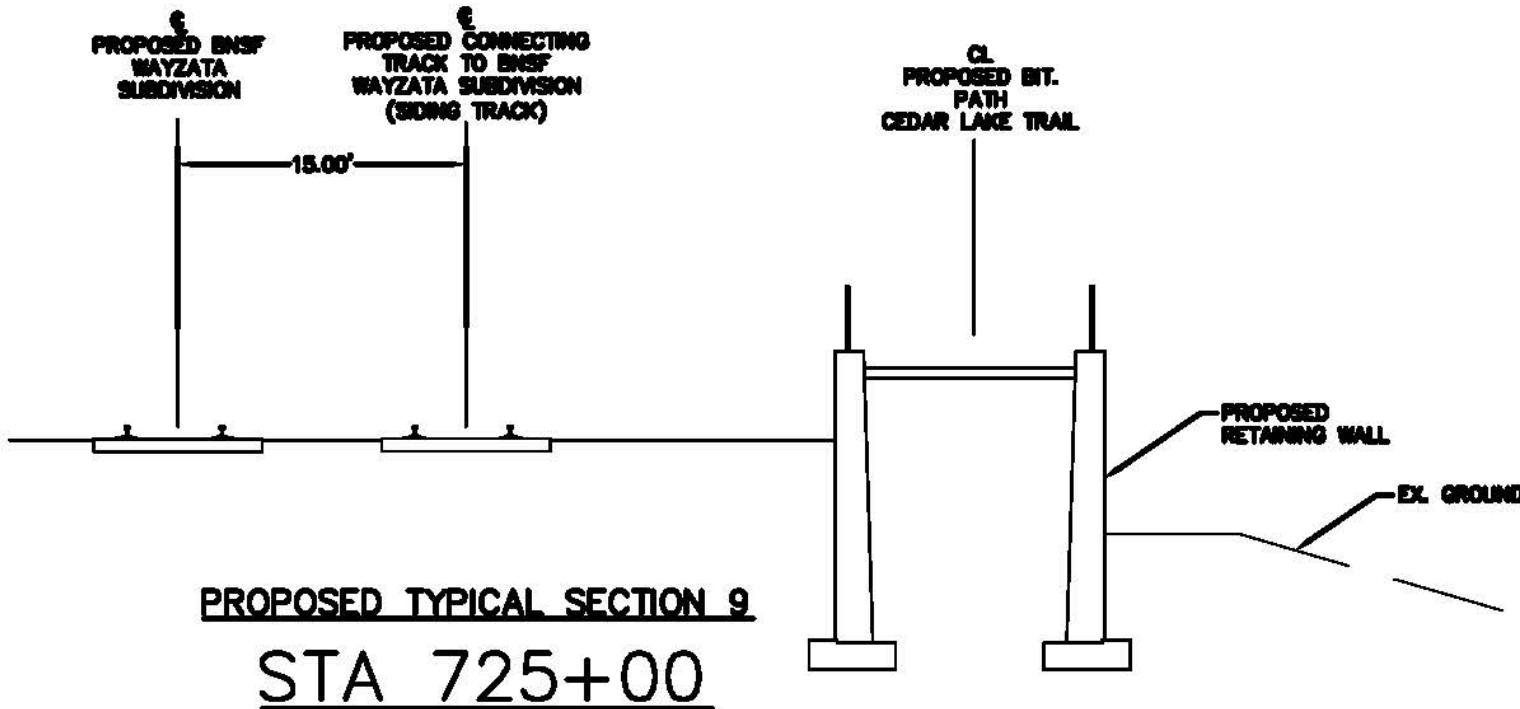
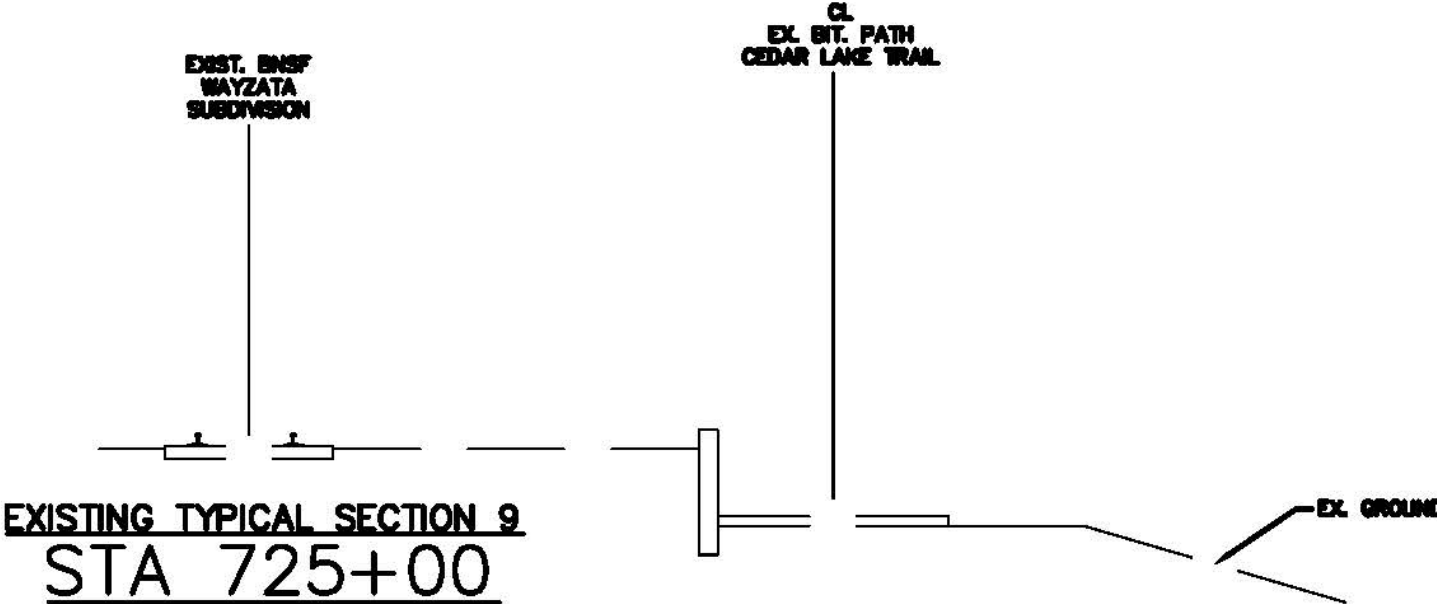
SHEET
29
OF
31



Apr, 12 2011 06:35 am P:\00161330\000_CAD\006_Civil\Sheets\TRK-TYP-008.dwg By: bsocho2

PRELIMINARY DRAFT NOT FOR CONSTRUCTION	 Kinley-Horn and Associates, Inc. 	 HENNEPIN COUNTY	 MINNESOTA DEPT. OF TRANSPORTATION	MN&S FREIGHT RAIL STUDY	TRACK TYPICALS TYPICAL SECTION 8	SHEET 30 OF 31
---	---	--	--	------------------------------------	---	-----------------------------------

Apr. 12 2011 06:35 am P:\2011\1330\000_CAD\006_Civil\Sheet\TRK-TYP-006.dwg By: boachad2



PRELIMINARY
DRAFT
NOT FOR
CONSTRUCTION



Kinley-Horn
and Associates, Inc.

AECOM

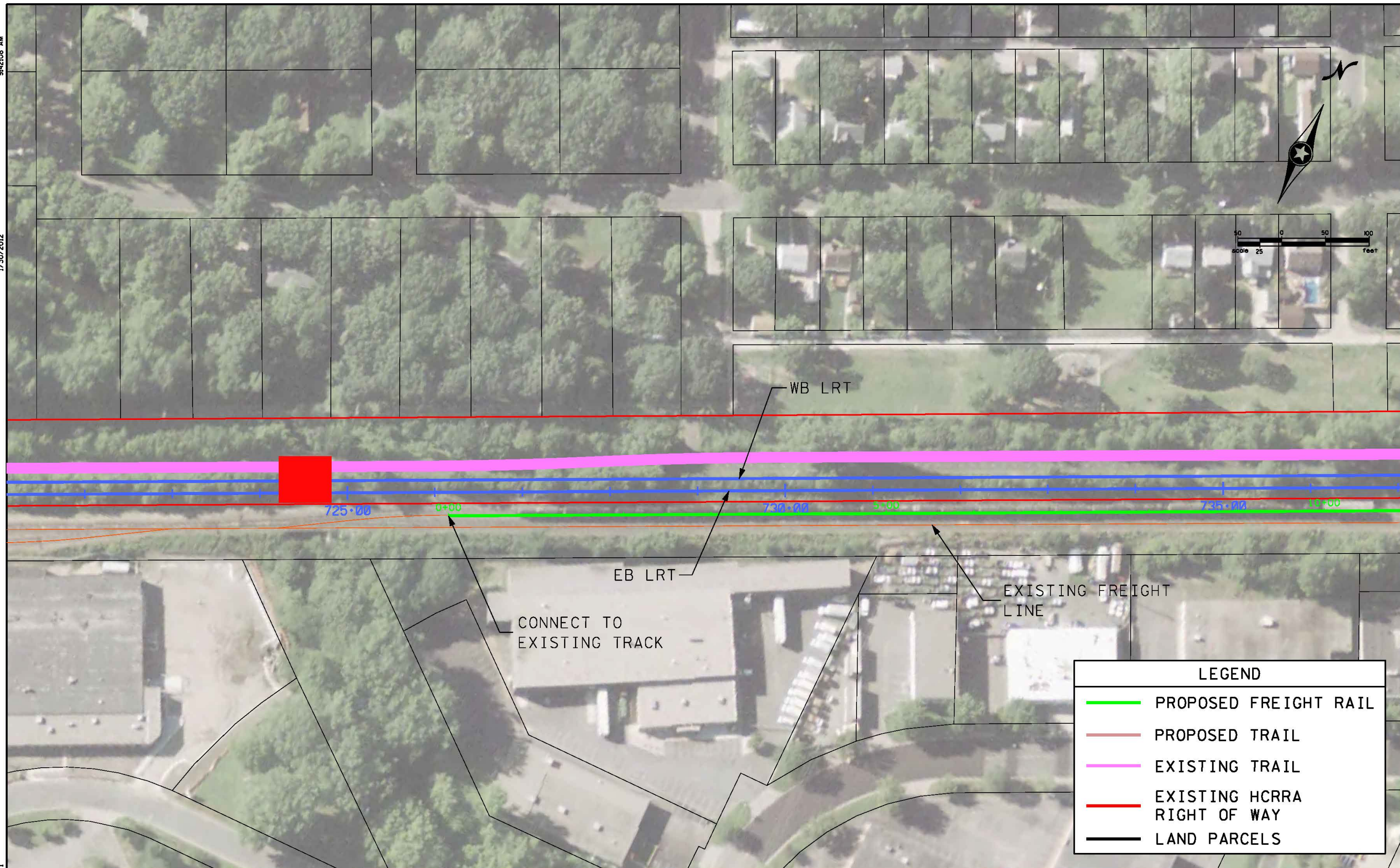


MN&S FREIGHT RAIL STUDY

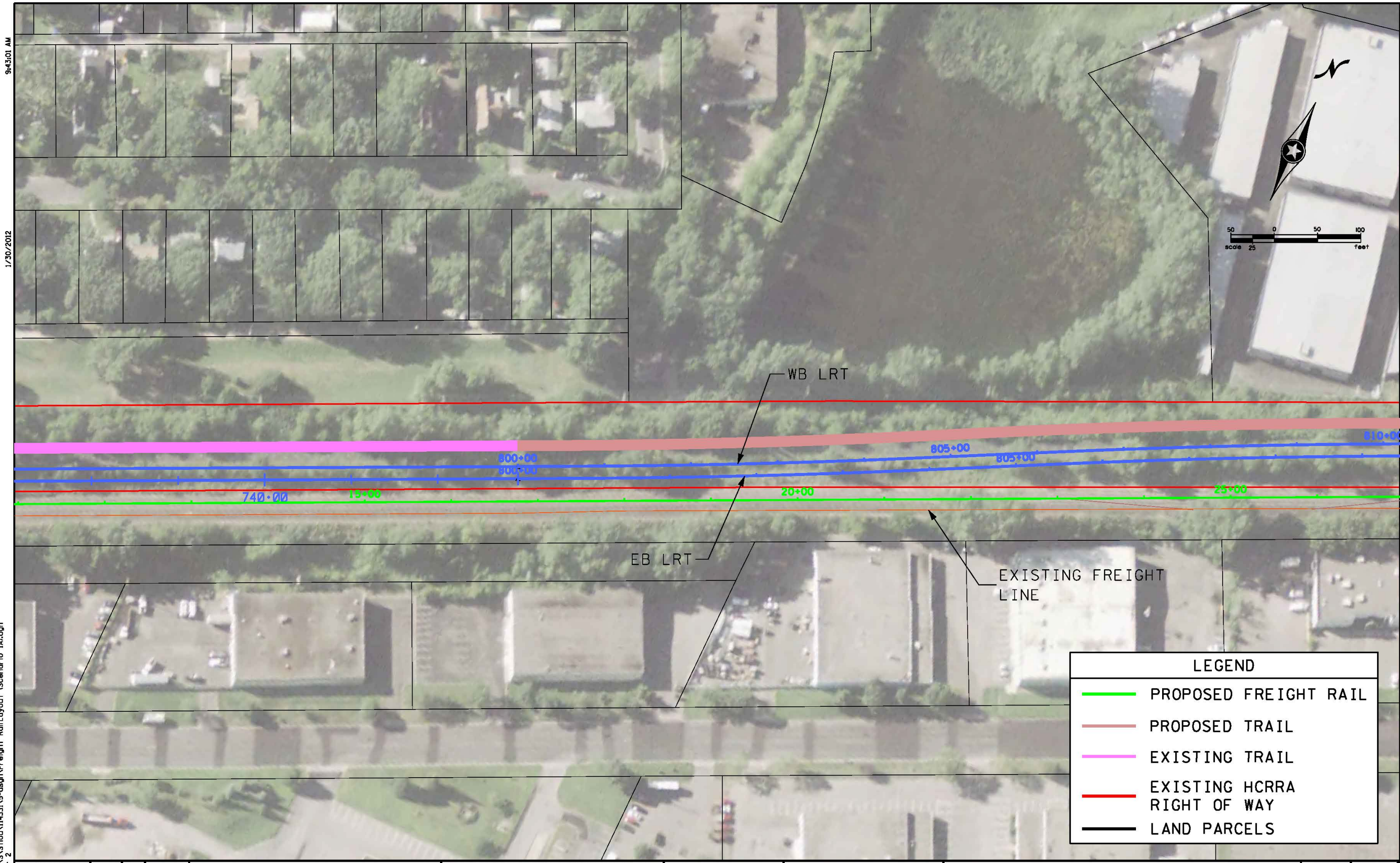
TRACK TYPICALS
TYPICAL SECTION 9

SHEET
31
OF
31

Conceptual Engineering Co-location Alternative



DESIGN TEAM					I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.	 PHONE: (651)490-2000 3635 VADNAIS CENTER DR. ST. PAUL, MN 55110	CITY OF ST. LOUIS PARK	KENILWORTH CORRIDOR, SCENARIO 1A FREIGHT RAIL & LRT WITH TRAIL	FILE NO.	1 17
DRAWN BY: _____									114331	
DESIGNER: _____										
CHECKED BY: _____										
	NO.	BY	DATE	REVISIONS	Certified By: _____ Lic. No. _____ Printed Name: _____ Date: 1/30/2012					



S:\PT\VS\StLouis\14331\5-dsgn\Freight Rail Layout (Scenario 1A).dgn
Sheet 2

DESIGN TEAM				
DRAWN BY:				
DESIGNER:				
CHECKED BY:				
NO.	BY	DATE	REVISIONS	

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Certified By: _____ Lic. No. _____
Printed Name: _____ Date: 1/30/2012



CITY OF
ST. LOUIS PARK

KENILWORTH CORRIDOR, SCENARIO 1A
FREIGHT RAIL & LRT WITH TRAIL

LEGEND

PROPOSED FREIGHT RAIL

PROPOSED TRAIL

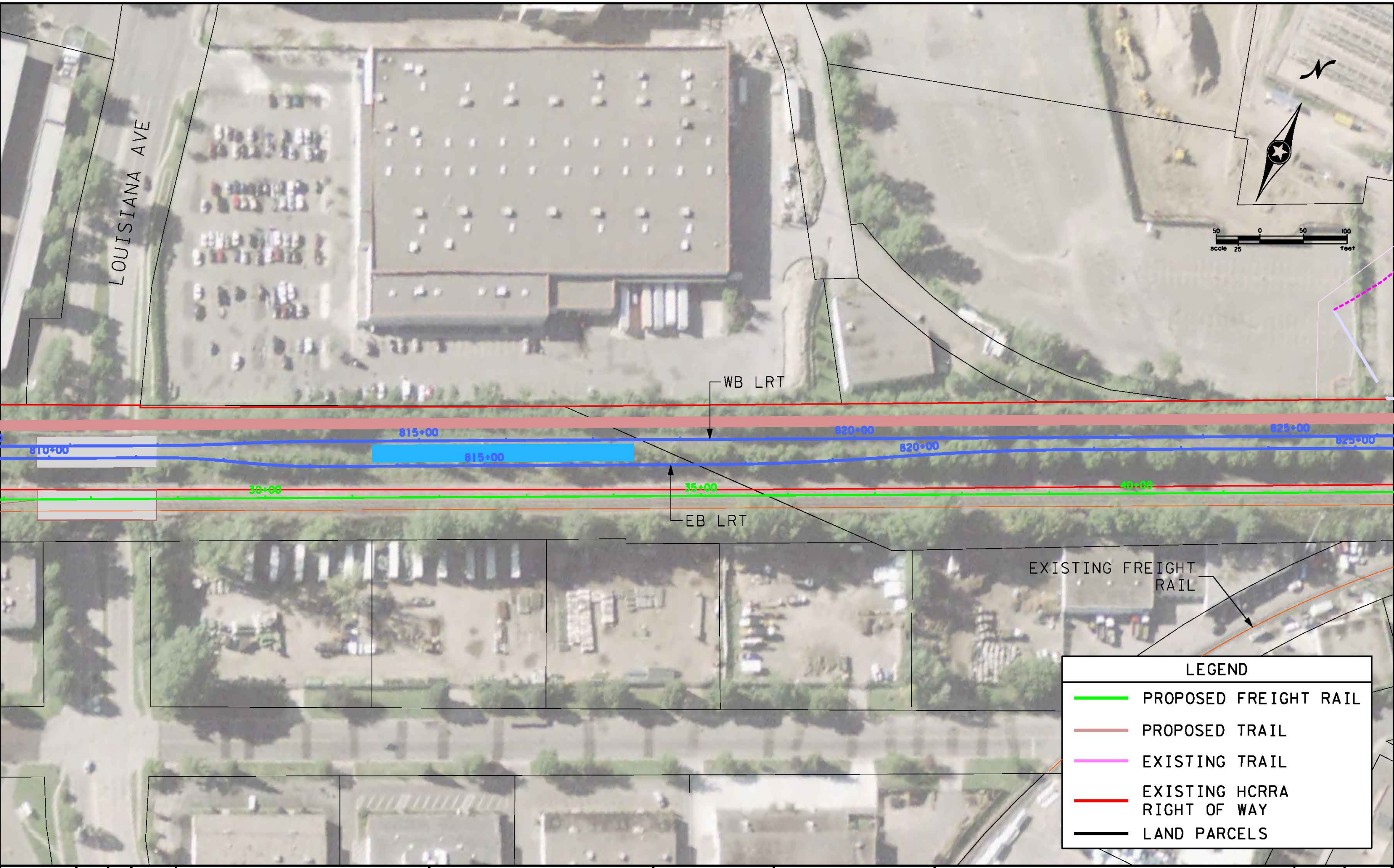
EXISTING TRAIL

EXISTING HCRRA
RIGHT OF WAY

LAND PARCELS

9:43:54 AM
1/30/2012

S:\PT\VS\Hou\114331\5-dsgn\Freight Rail Layout (Scenario 1A).dgn
Sheet 3



DESIGN TEAM					
DRAWN BY:					
DESIGNER:					
CHECKED BY:					
	NO.	BY	DATE	REVISIONS	

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

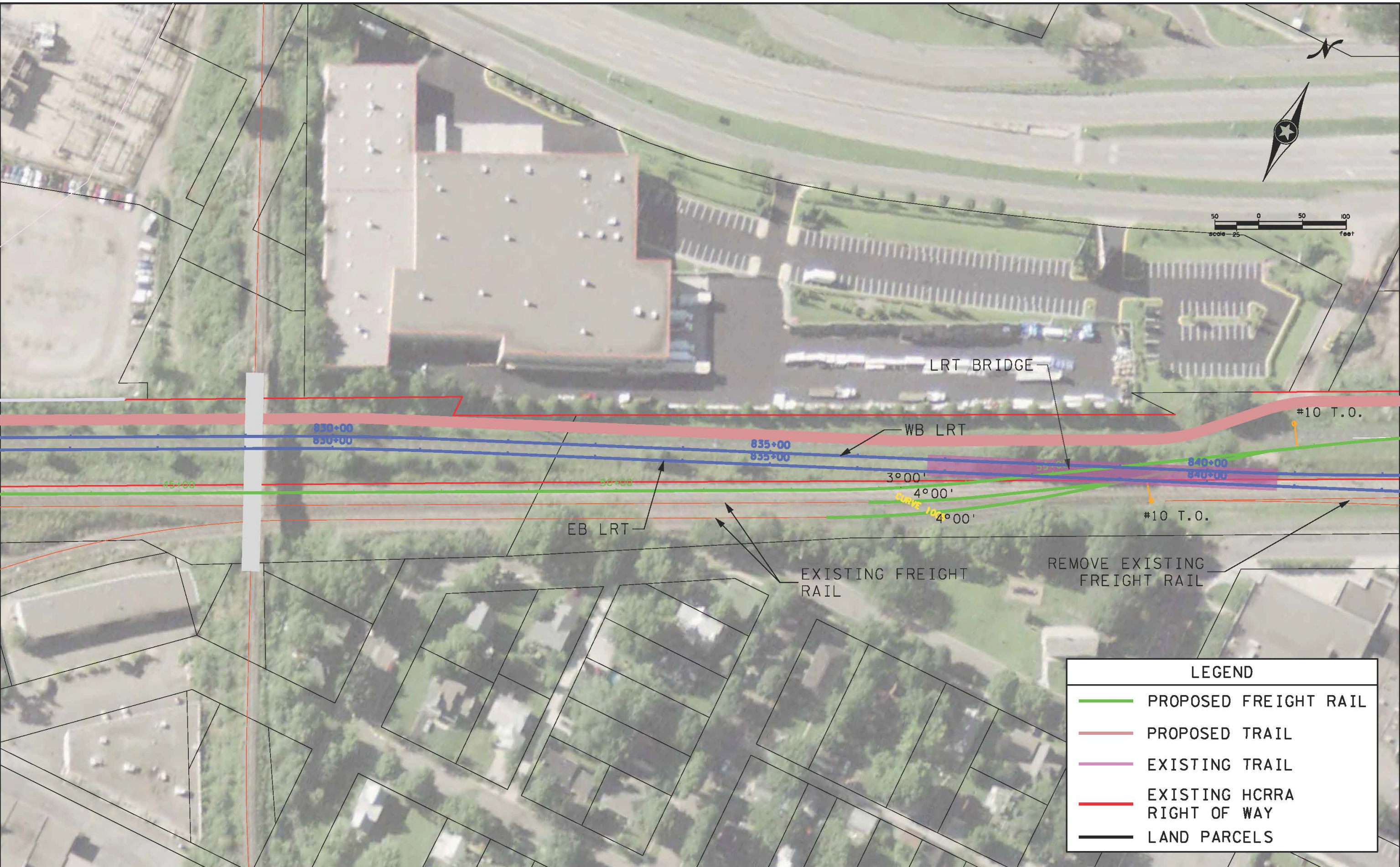
Certified By: _____ Lic. No. _____
Printed Name: _____ Date: 1/30/2012



CITY OF
ST. LOUIS PARK

KENILWORTH CORRIDOR, SCENARIO 1A
FREIGHT RAIL & LRT WITH TRAIL

S:\PT\VS\Shou\114331\5-dsgn\Freight Rail Layout (Scenario 1A).dgn
Sheet 4
1/30/2012 9:44:42 AM



LEGEND	
	PROPOSED FREIGHT RAIL
	PROPOSED TRAIL
	EXISTING TRAIL
	EXISTING HCRRA RIGHT OF WAY
	LAND PARCELS

DESIGN TEAM					
DRAWN BY:					
DESIGNER:					
CHECKED BY:					
NO.	BY	DATE	REVISIONS		

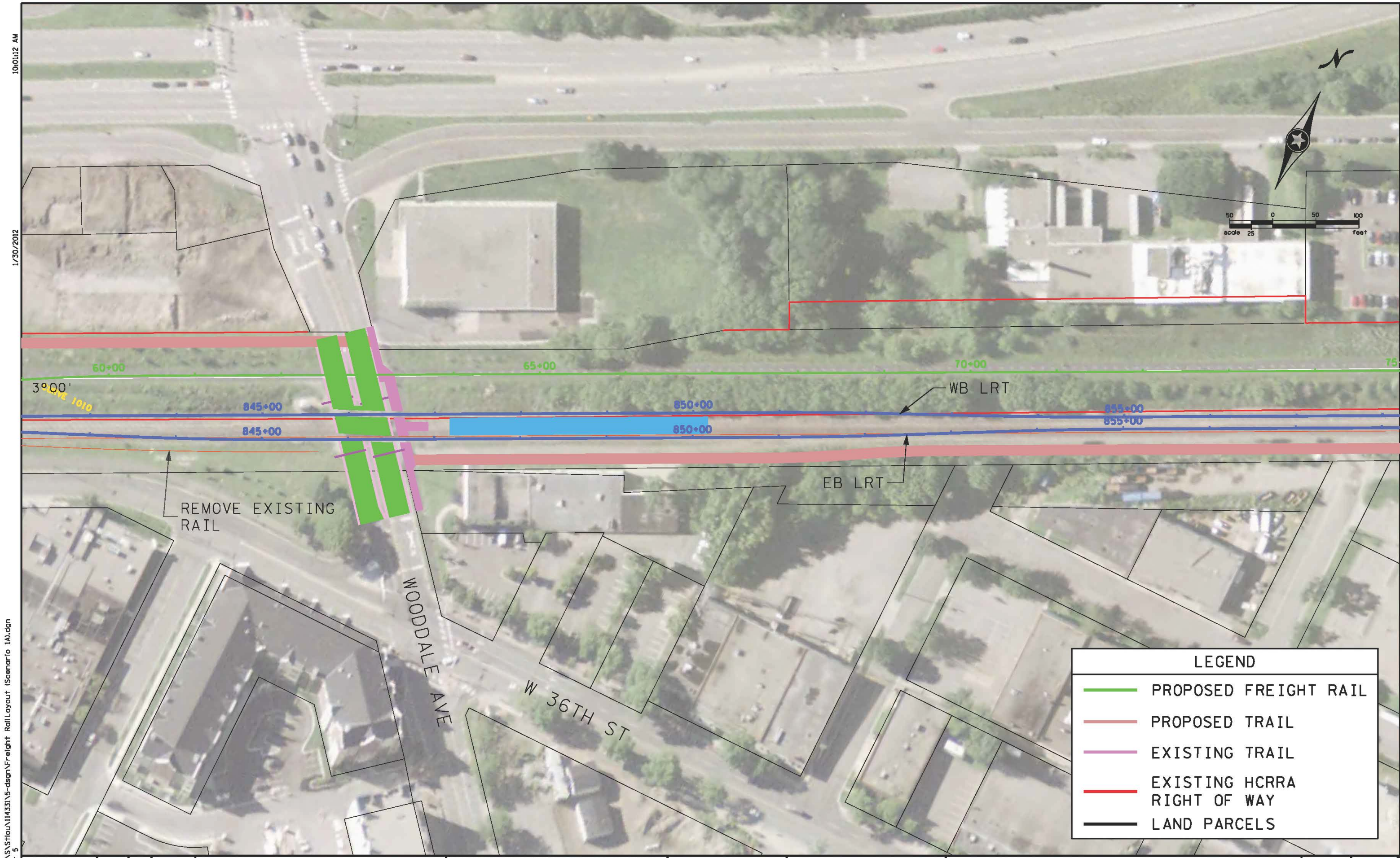
I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Certified By: _____ Lic. No. _____
Printed Name: _____ Date: 1/30/2012

PHONE: 1651/490-2000
3636 VADNAIS CENTER DR.
ST. PAUL, MN 55110

CITY OF
ST. LOUIS PARK

KENILWORTH CORRIDOR, SCENARIO 1A
FREIGHT RAIL & LRT WITH TRAIL



LEGEND

- PROPOSED FREIGHT RAIL
- PROPOSED TRAIL
- EXISTING TRAIL
- EXISTING HCRRA RIGHT OF WAY
- LAND PARCELS

S:\PT\VS\Stlou\114331\5-dsgn\Freight Rail Layout (Scenario 1A).dgn
Sheet 5

1/30/2012 10:01:12 AM

DESIGN TEAM					
DRAWN BY:					
DESIGNER:					
CHECKED BY:					
NO.	BY	DATE	REVISIONS		

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Certified By: _____ Lic. No. _____
Printed Name: _____ Date: 1/30/2012

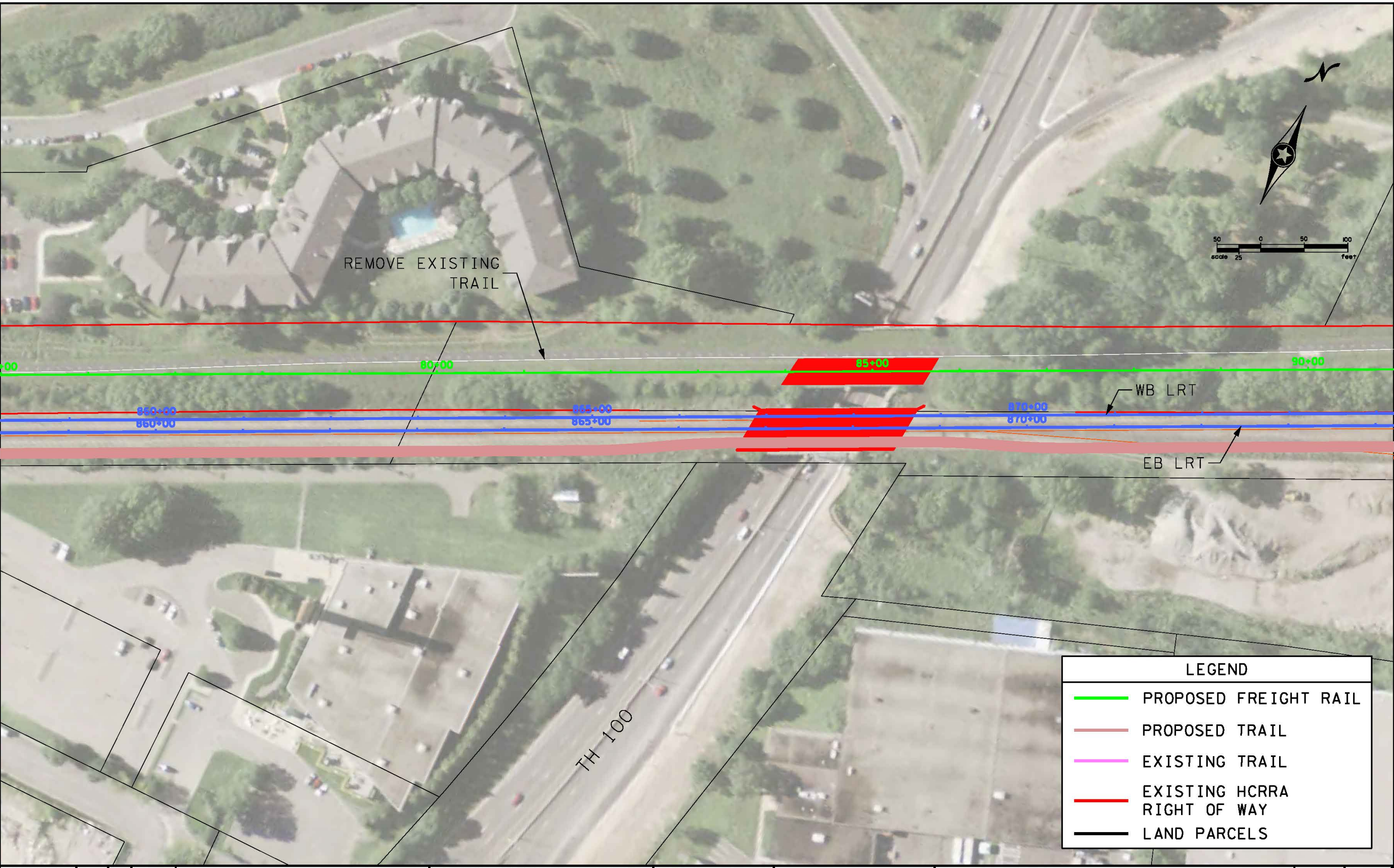
 PHONE: 651/490-2000
3636 VADNAIS CENTER DR.
ST. PAUL, MN 55110

CITY OF
ST. LOUIS PARK

KENILWORTH CORRIDOR, SCENARIO 1A
FREIGHT RAIL & LRT WITH TRAIL

9:45:43 AM
1/30/2012

S:\PT\SS\StLou\114331\5-dsgn\Freight Rail Layout (Scenario 1A).dgn
Sheet 6



LEGEND

PROPOSED FREIGHT RAIL

PROPOSED TRAIL

DESIGN TEAM					
DRAWN BY:					
DESIGNER:					
CHECKED BY:					
	NO.	BY	DATE	REVISIONS	

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Certified By: _____ Lic. No. _____
Printed Name: _____ Date: 1/30/2012

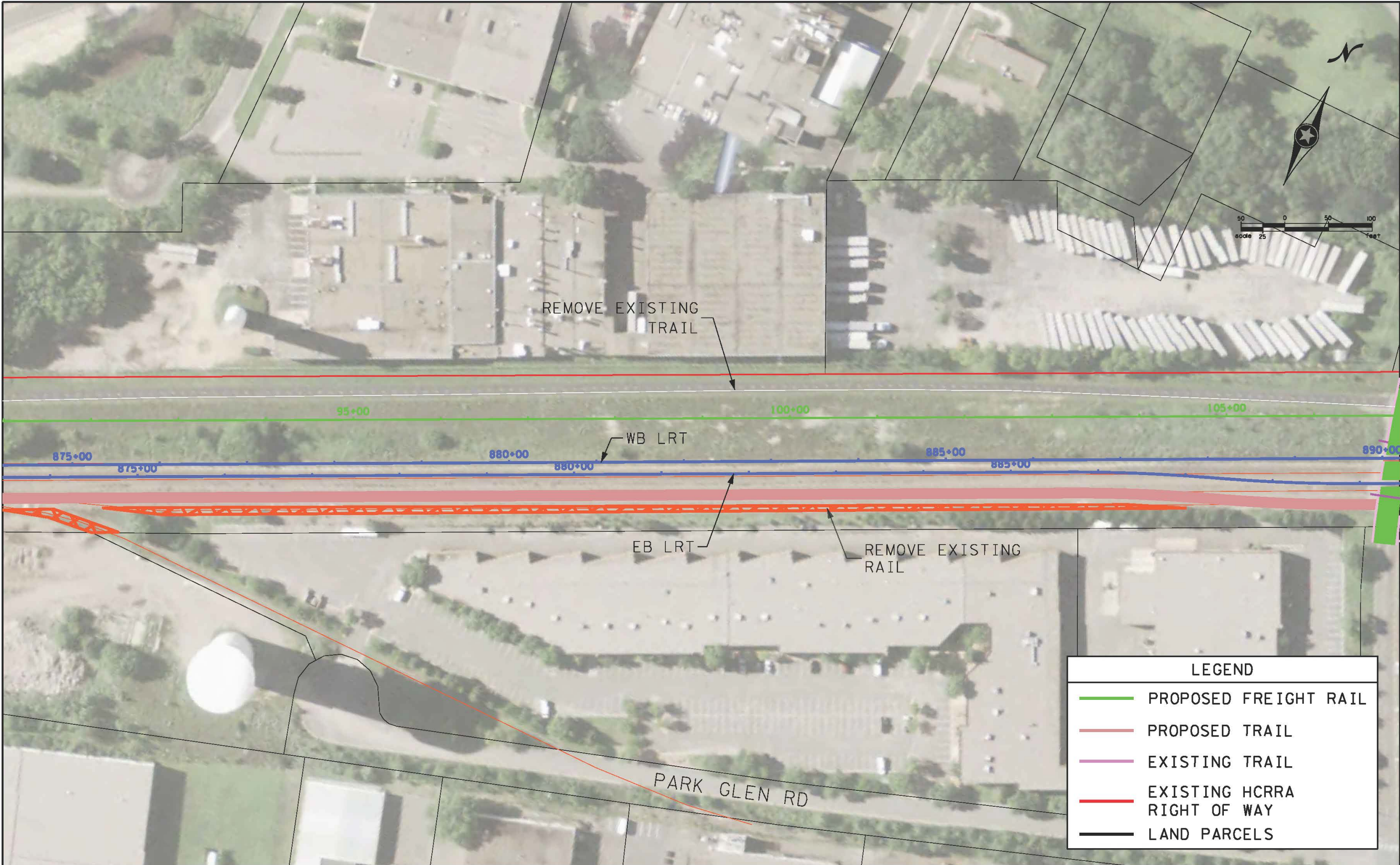
SEH

PHONE: 651/490-2000
3635 VADNAIS CENTER DR.
ST. PAUL, MN 55110

CITY OF
ST. LOUIS PARK

KENILWORTH CORRIDOR, SCENARIO 1A
FREIGHT RAIL & LRT WITH TRAIL

S:\PT\SS\Hou\114331\5-dsgn\Freight Rail Layout (Scenario 1A).dgn
Sheet 7
1/30/2012 9:46:45 AM



DESIGN TEAM					
DRAWN BY:					
DESIGNER:					
CHECKED BY:					
NO.	BY	DATE	REVISIONS		

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

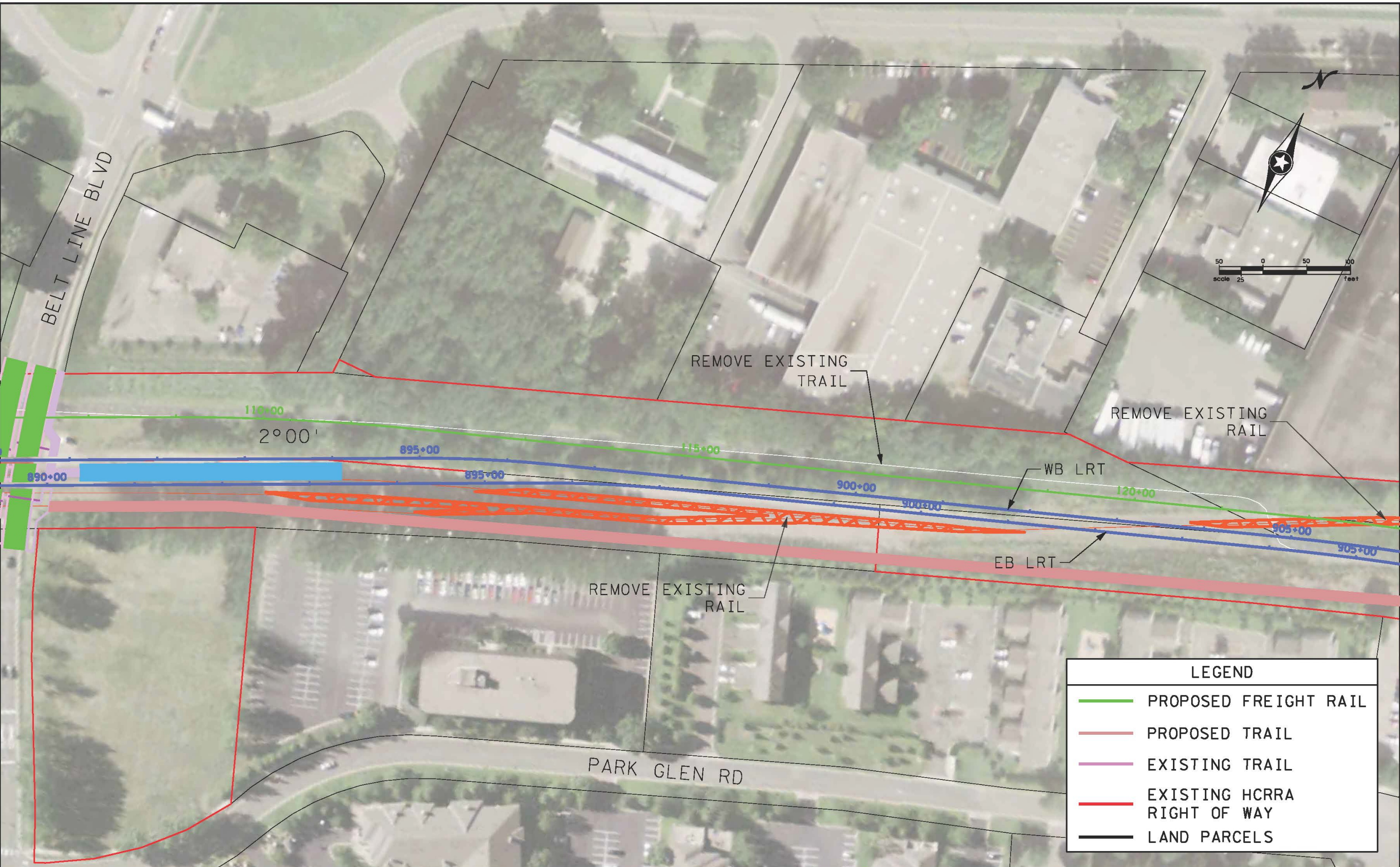
Certified By: _____ Lic. No. _____
Printed Name: _____ Date: 1/30/2012



CITY OF
ST. LOUIS PARK

KENILWORTH CORRIDOR, SCENARIO 1A
FREIGHT RAIL & LRT WITH TRAIL

S:\PT\15\1510114331\5-dsgn\Freight Rail Layout (Scenario 1A).dgn
Sheet 8
1/30/2012 9:48:10 AM



LEGEND	
	PROPOSED FREIGHT RAIL
	PROPOSED TRAIL
	EXISTING TRAIL
	EXISTING HCRRA RIGHT OF WAY
	LAND PARCELS

DESIGN TEAM				
DRAWN BY:				
DESIGNER:				
CHECKED BY:				
NO.	BY	DATE	REVISIONS	

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Certified By: _____ Lic. No. _____
Printed Name: _____ Date: 1/30/2012



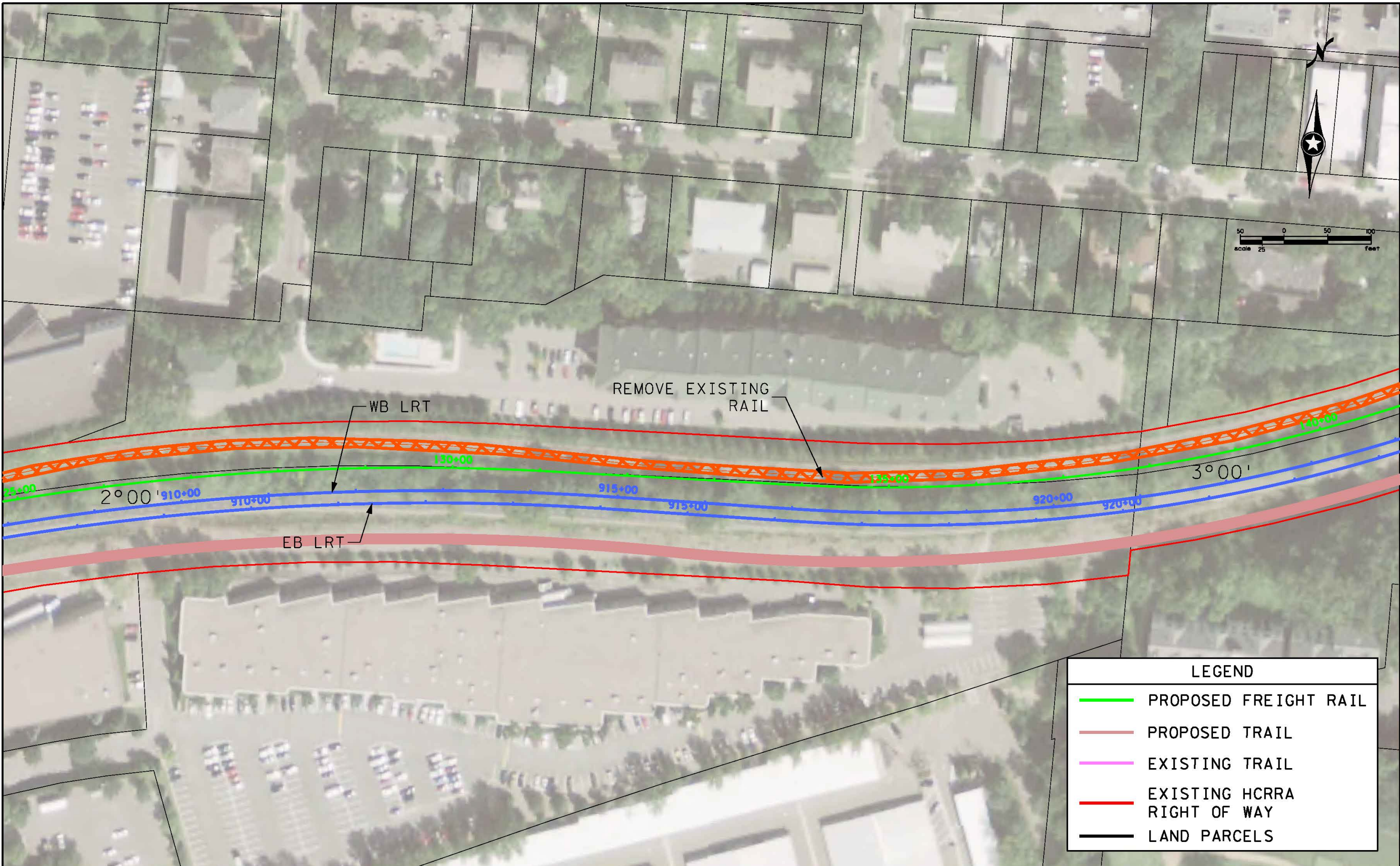
CITY OF
ST. LOUIS PARK

KENILWORTH CORRIDOR, SCENARIO 1A
FREIGHT RAIL & LRT WITH TRAIL

FILE NO. 114331	8 17
--------------------	---------

9:49:41 AM
1/30/2012

S:\PT\SS\Hou\114331\5-dsgn\Freight Rail Layout (Scenario 1A).dgn
Sheet 9



DESIGN TEAM				
DRAWN BY:				
DESIGNER:				
CHECKED BY:				
NO.	BY	DATE	REVISIONS	

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

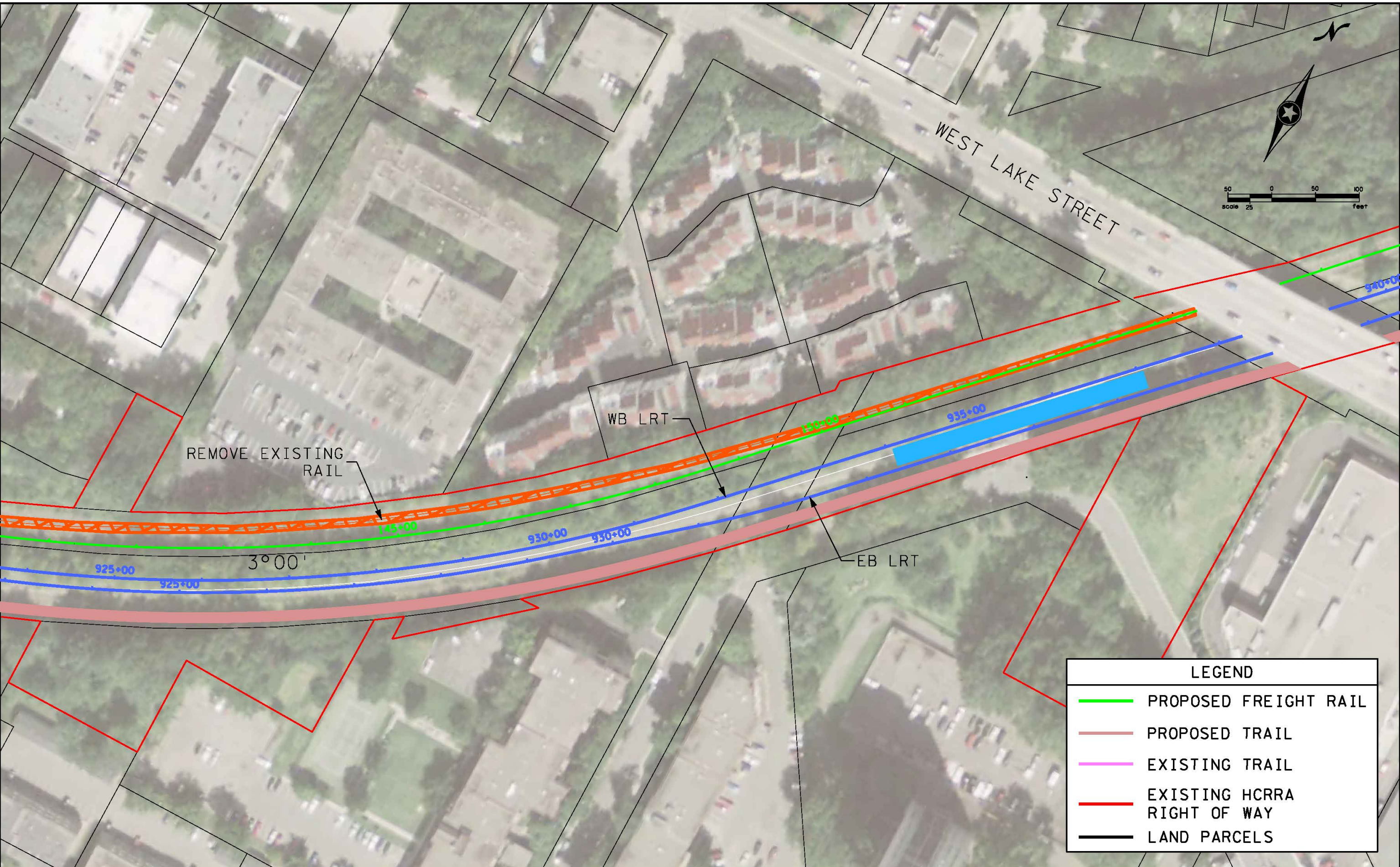
Certified By: _____ Lic. No. _____
Printed Name: _____ Date: 1/30/2012

 PHONE: 651/490-2000
3635 VADNAIS CENTER DR.
ST. PAUL, MN 55110

CITY OF
ST. LOUIS PARK

KENILWORTH CORRIDOR, SCENARIO 1A
FREIGHT RAIL & LRT WITH TRAIL

S:\PT\SS\Shou\114331\5-dsgn\Freight Rail Layout (Scenario 1A).dgn
Sheet 10
1/30/2012 9:50:34 AM



LEGEND

PROPOSED FREIGHT RAIL

PROPOSED TRAIL

DESIGN TEAM					
DRAWN BY:					
DESIGNER:					
CHECKED BY:					
	NO.	BY	DATE	REVISIONS	

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Certified By: _____ Lic. No. _____
Printed Name: _____ Date: 1/30/2012

SEH

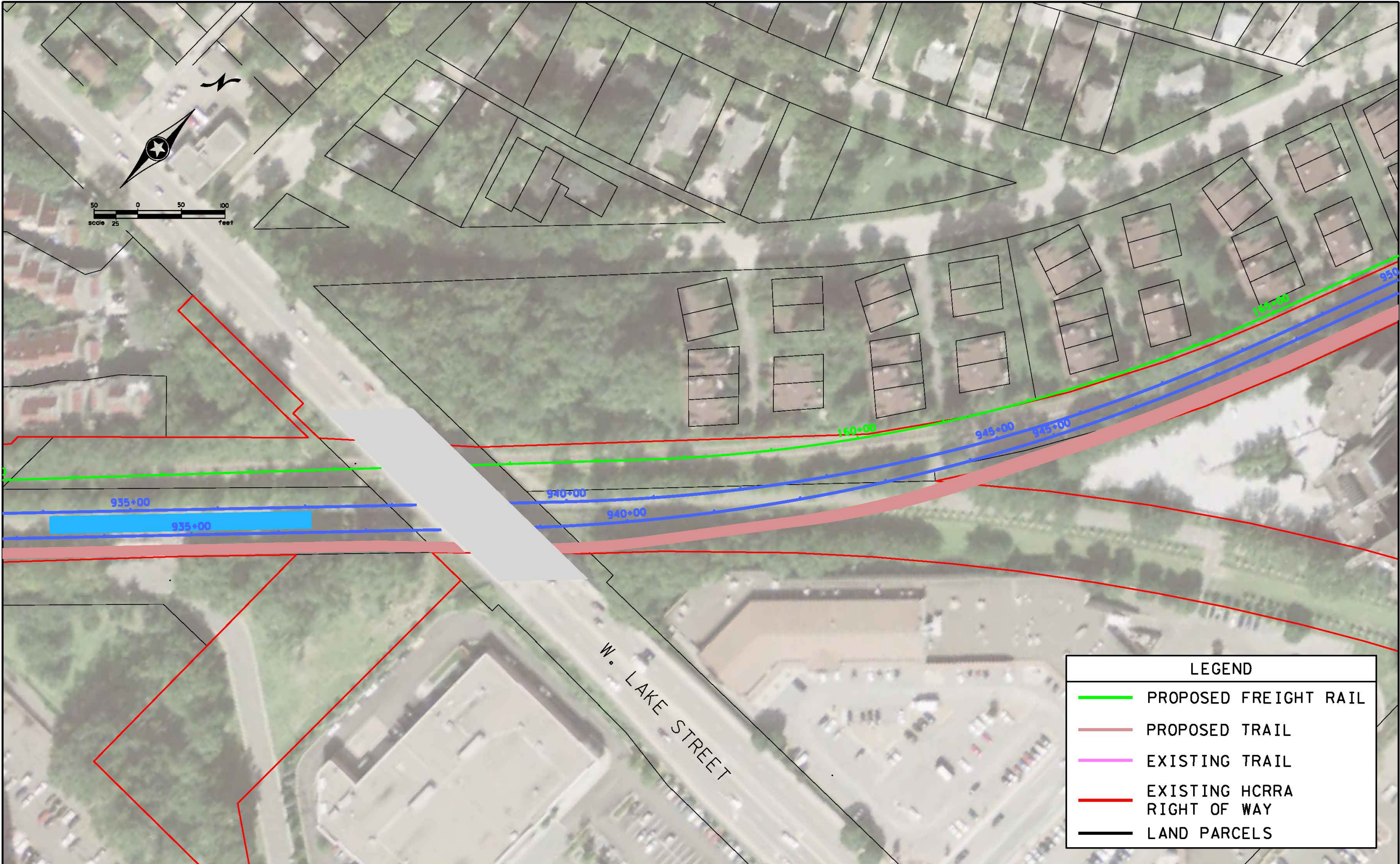
PHONE: 651/490-2000
3636 VADNAIS CENTER DR.
ST. PAUL, MN 55110

CITY OF
ST. LOUIS PARK

KENILWORTH CORRIDOR, SCENARIO 1A
FREIGHT RAIL & LRT WITH TRAIL

FILE NO. 114331	10 17
--------------------	----------

S:\PT\5\StLouis\114331\5-dsgn\Freight Rail Layout (Scenario 1A).dgn
Sheet 11
1/30/2012 9:51:28 AM



DESIGN TEAM				
DRAWN BY:				
DESIGNER:				
CHECKED BY:				
NO.	BY	DATE	REVISIONS	

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Certified By: _____ Lic. No. _____
Printed Name: _____ Date: 1/30/2012



CITY OF
ST. LOUIS PARK

KENILWORTH CORRIDOR, SCENARIO 1A
FREIGHT RAIL & LRT WITH TRAIL

FILE NO.	11
114331	17

S:\PT\SS\Stlou\114331\5-dsgn\Freight Rail Layout (Scenario 1A).dgn
Sheet 12
1/30/2012 9:52:13 AM



DESIGN TEAM				
DRAWN BY:				
DESIGNER:				
CHECKED BY:				
NO.	BY	DATE	REVISIONS	

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

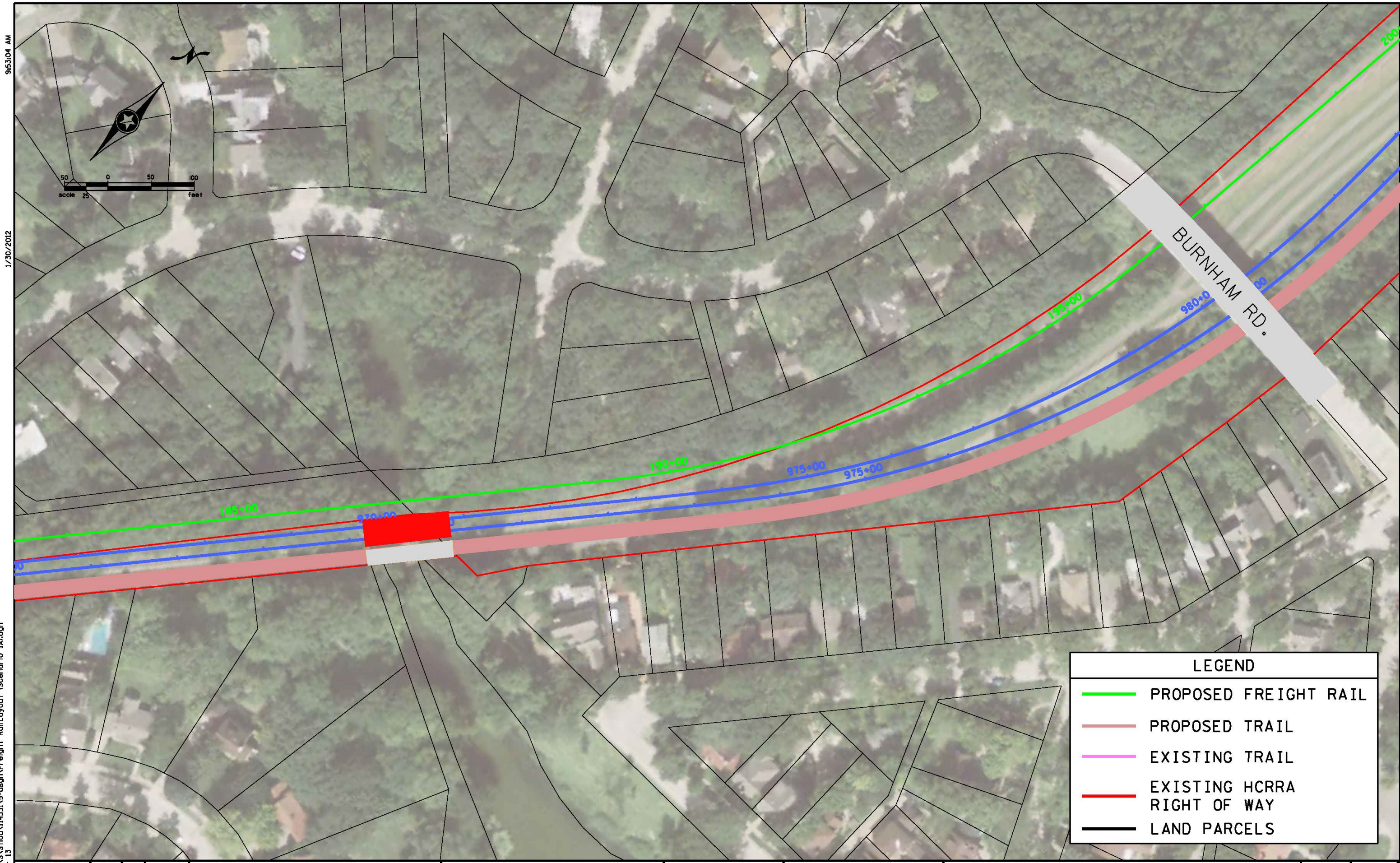
Certified By: _____ Lic. No. _____
Printed Name: _____ Date: 1/30/2012



CITY OF
ST. LOUIS PARK

KENILWORTH CORRIDOR, SCENARIO 1A
FREIGHT RAIL & LRT WITH TRAIL

FILE NO.	12
114331	17



S:\PT\SS\Hou\114331\5-dsgn\Freight Rail Layout (Scenario 1A).dgn
Sheet 13
1/30/2012 9:53:04 AM

DESIGN TEAM				
DRAWN BY:				
DESIGNER:				
CHECKED BY:				
NO.	BY	DATE	REVISIONS	

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Certified By: _____ Lic. No. _____
Printed Name: _____ Date: 1/30/2012

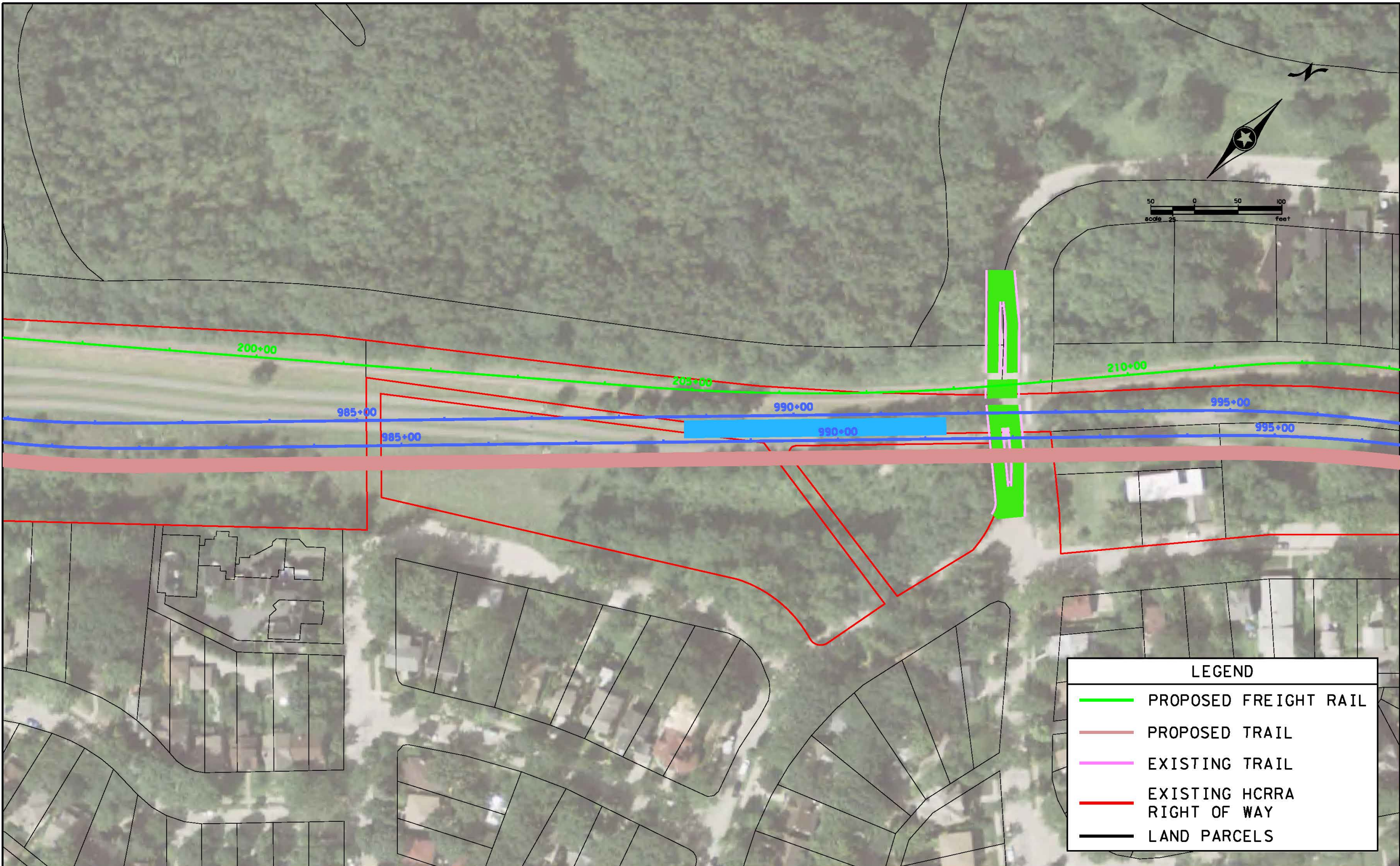


PHONE: 1651/490-2000
3636 VADNAIS CENTER DR.
ST. PAUL, MN 55110

CITY OF
ST. LOUIS PARK

KENILWORTH CORRIDOR, SCENARIO 1A
FREIGHT RAIL & LRT WITH TRAIL

S:\PT\VS\Stlou\114331\5-dsgn\Freight Rail Layout (Scenario 1A).dgn
Sheet 14
1/30/2012 9:56:09 AM



DESIGN TEAM					
DRAWN BY:					
DESIGNER:					
CHECKED BY:					
NO.	BY	DATE	REVISIONS		

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

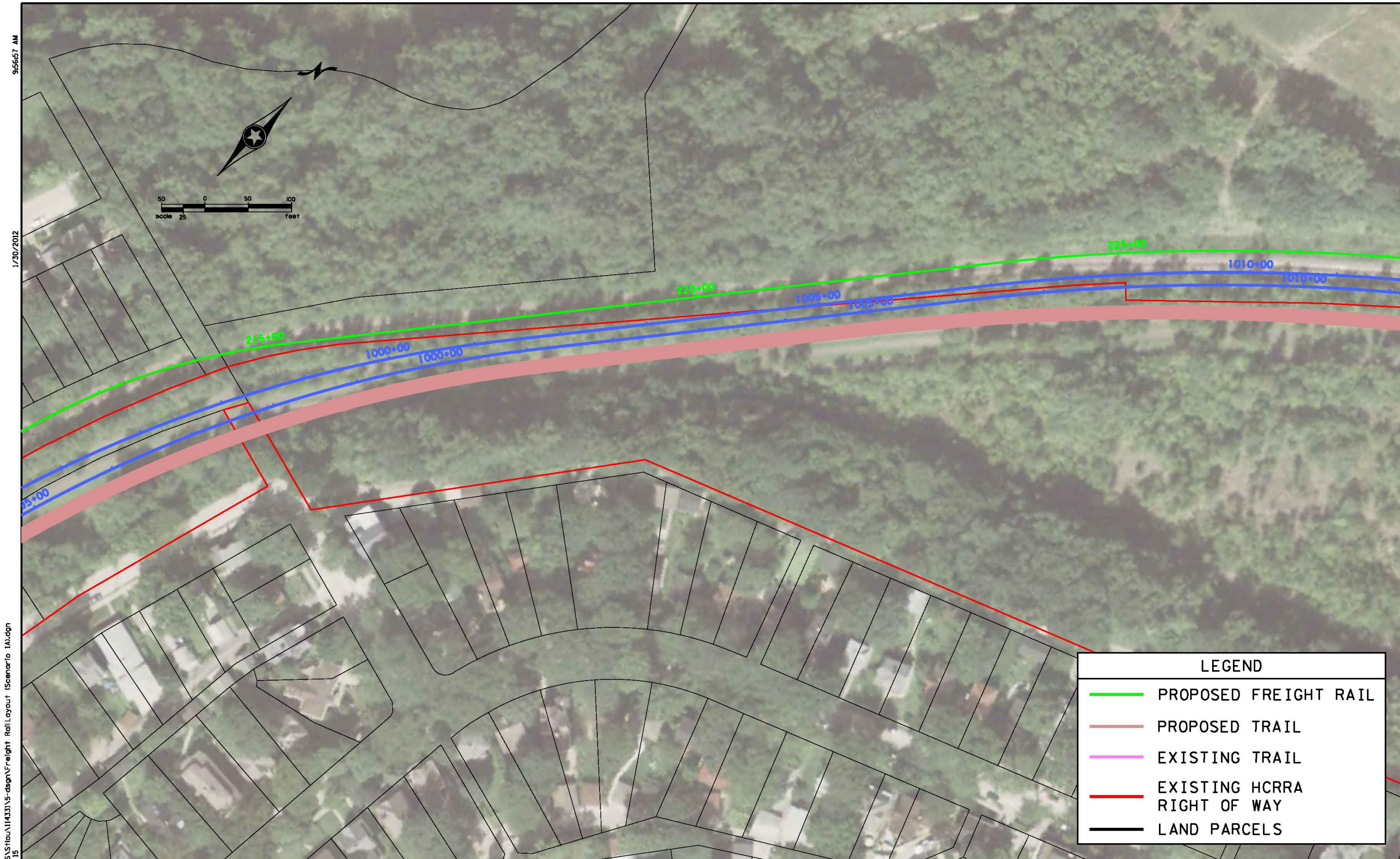
Certified By: _____ L.C. No. _____
Printed Name: _____ Date: 1/30/2012



PHONE: 1651/490-2000
3636 VADNAIS CENTER DR.
ST. PAUL, MN 55110

CITY OF
ST. LOUIS PARK

KENILWORTH CORRIDOR, SCENARIO 1A
FREIGHT RAIL & LRT WITH TRAIL



LEGEND

PROPOSED FREIGHT RAIL

PROPOSED TRAIL

EXISTING TRAIL

EXISTING HCRRA
RIGHT OF WAY

LAND PARCELS

S:\PT\5\StLouis\114331\5-dsgn\Freight Rail Layout (Scenario 1A).dgn
Sheet 15

1/30/2012 9:56:57 AM

DESIGN TEAM					
DRAWN BY:					
DESIGNER:					
CHECKED BY:					
NO.	BY	DATE	REVISIONS		

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Certified By: _____ Lic. No. _____
Printed Name: _____ Date: 1/30/2012

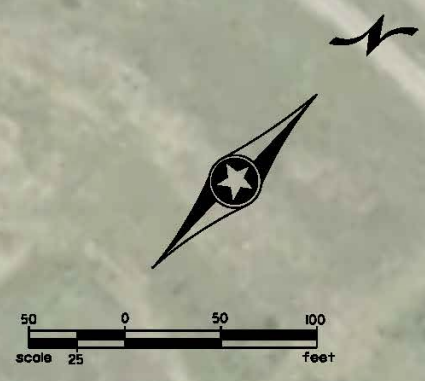
PHONE: 651.490.2000
3635 VADNAIS CENTER DR.
ST. PAUL, MN 55110

CITY OF
ST. LOUIS PARK

KENILWORTH CORRIDOR, SCENARIO 1A
FREIGHT RAIL & LRT WITH TRAIL

FILE NO. 114331	15 17
--------------------	----------

9:57:43 AM
1/30/2012



CEDAR LAKE TRAIL



LEGEND

PROPOSED FREIGHT RAIL

PROPOSED TRAIL

EXISTING TRAIL

EXISTING HCRRA
RIGHT OF WAY

LAND PARCELS

S:\PT\SS\Shou\114331\5-dsgn\Freight Rail Layout (Scenario 1A).dgn
Sheet 16

DESIGN TEAM				
DRAWN BY:				
DESIGNER:				
CHECKED BY:				
NO.	BY	DATE	REVISIONS	

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Certified By: _____ Lic. No. _____
Printed Name: _____ Date: 1/30/2012

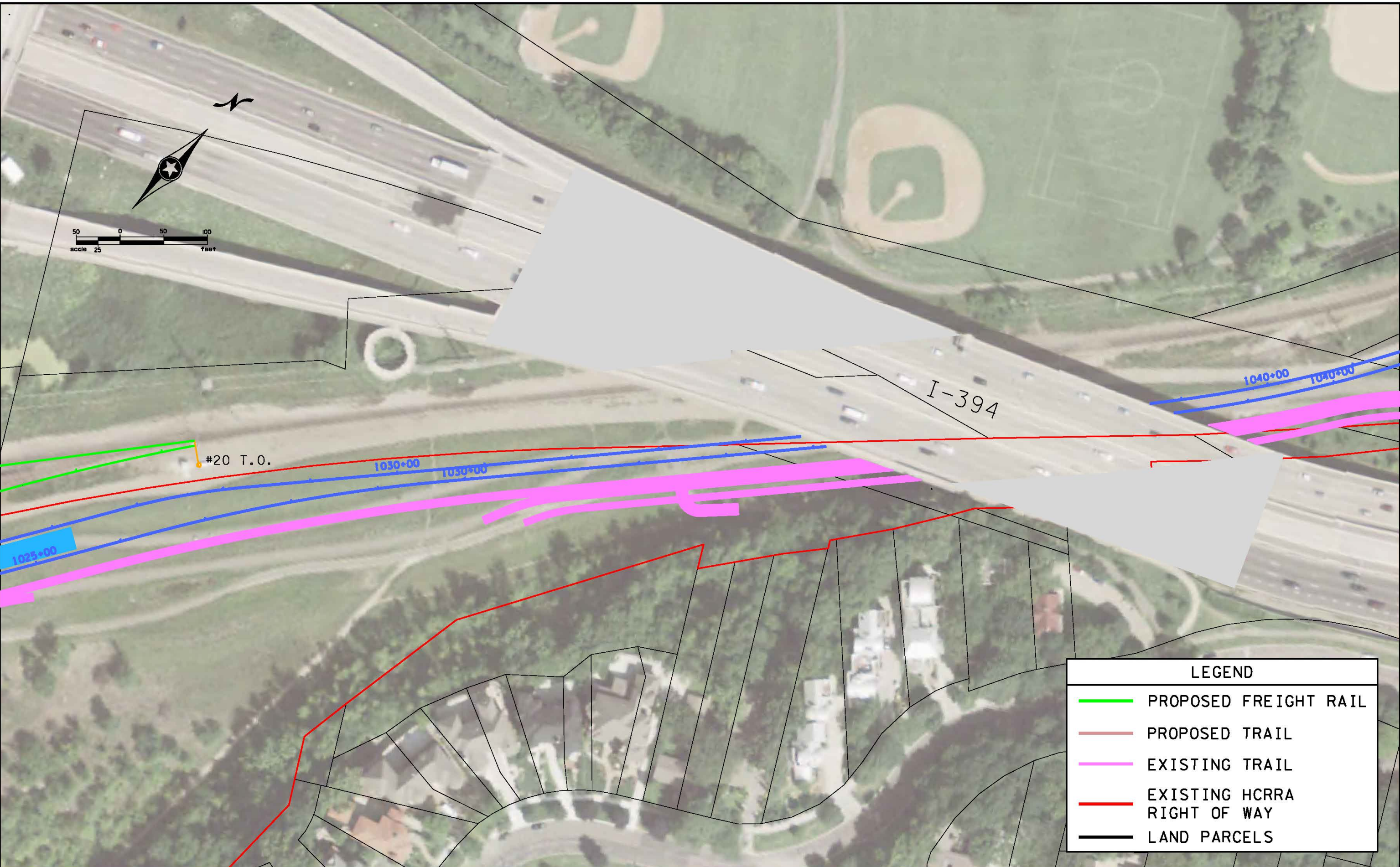
SEH

PHONE: 651/490-2000
3635 VADNAIS CENTER DR.
ST. PAUL, MN 55110

CITY OF
ST. LOUIS PARK

KENILWORTH CORRIDOR, SCENARIO 1A
FREIGHT RAIL & LRT WITH TRAIL

S:\PT\SS\Hou\114331\5-dsgn\Freight Rail Layout (Scenario 1A).dgn
Sheet 17
1/30/2012 9:58:29 AM



LEGEND	
	PROPOSED FREIGHT RAIL
	PROPOSED TRAIL
	EXISTING TRAIL
	EXISTING HCRA RIGHT OF WAY
	LAND PARCELS

DESIGN TEAM					
DRAWN BY:					
DESIGNER:					
CHECKED BY:					
NO.	BY	DATE	REVISIONS		

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Certified By: _____ Lic. No. _____
Printed Name: _____ Date: 1/30/2012

PHONE: 651/490-2000
3635 VADNAIS CENTER DR.
ST. PAUL, MN 55110

CITY OF
ST. LOUIS PARK

KENILWORTH CORRIDOR, SCENARIO 1A
FREIGHT RAIL & LRT WITH TRAIL