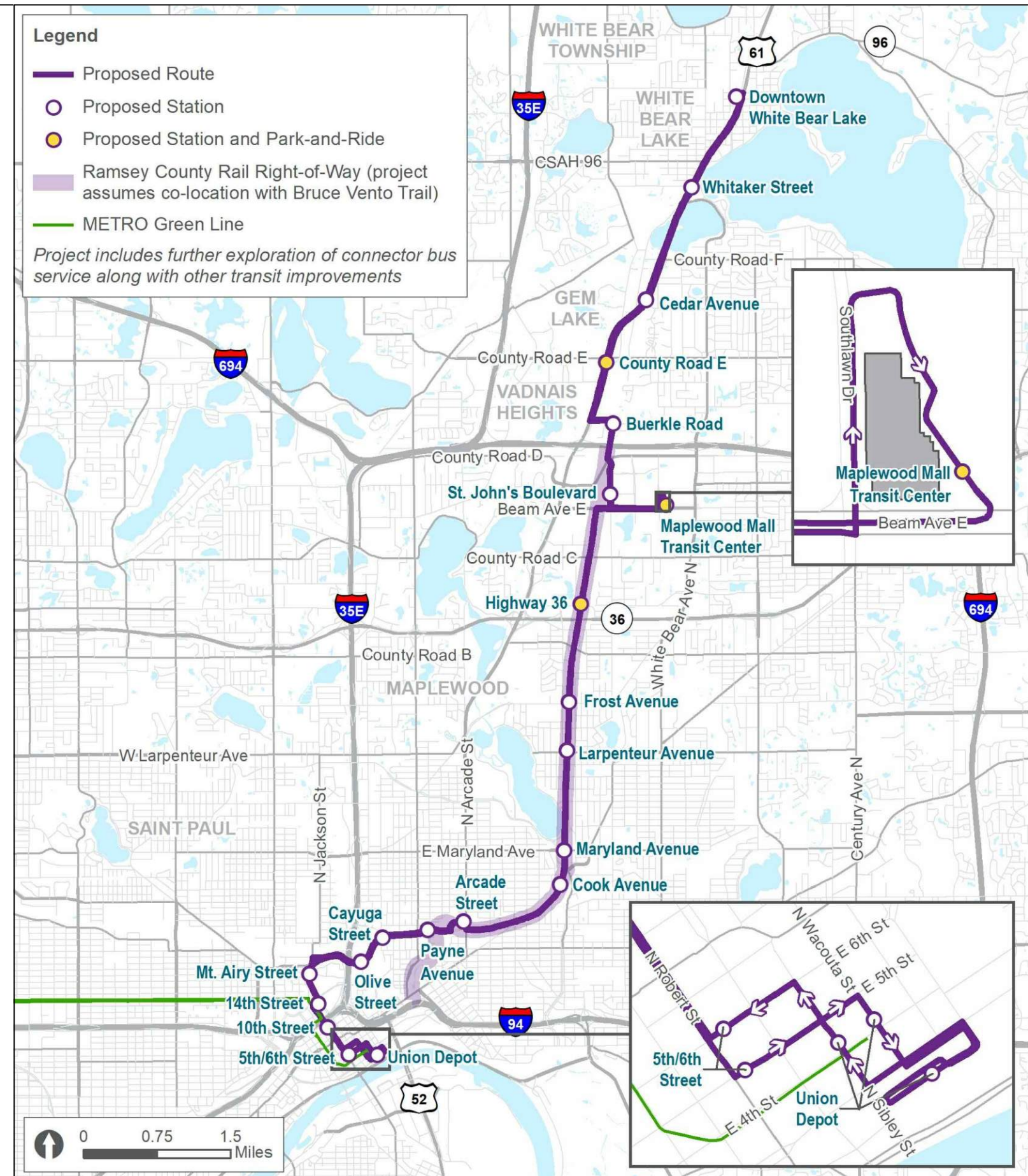


APPENDIX A














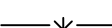










CONCEPT PLANS



AUGUST 07, 2020
15% PLANS - FINAL DRAFT



Aug, 04 2020 09:03 am H: \Projects\11000\11112\CAD_BIM\Plan\GEN-CIV-COVER.dwg By: tborowicz

LEGEND			
	DEDICATED GUIDEWAY		PARK AND RIDE
	BRT IN MIXED TRAFFIC		ROADWAY
	STATION PLATFORM		BRIDGE/UNDERPASS
	SIDEWALK OR MULTI-USE TRAIL OR DRIVEWAY APRON		MEDIAN
	CONSTRUCTION BY OTHERS		PROPOSED GREEN SPACE
	SHOULDER		LIMITS OF DISTURBANCE
	RETAINING WALL		EXISTING WETLAND DELINEATION
	EXISTING PROPERTY LINE		PARTIAL PROPERTY ACQUISITION
	EXISTING RIGHT OF WAY		POTENTIAL STORMWATER BMP LOCATION
	EXISTING SIGNAL SYSTEM TO REMAIN INPLACE		POTENTIAL LINEAR STORMWATER BMP LOCATIONS WITHIN RCRRRA RIGHT OF WAY
	MODIFY EXISTING SIGNAL SYSTEM		PROPOSED DIRECTIONAL LANE USE
	PROPOSED SIGNAL SYSTEM		LOCAL BUS ROUTE

ABBREVIATIONS			
ADA	AMERICANS WITH DISABILITIES ACT	NTS	NOT TO SCALE
AVE	AVENUE	NWL	NORMAL WATER LINE
BAT	BUSINESS ACCESS AND TRANSIT	PC	POINT OF CURVE
BGN	BEGIN	PE	PERMANENT EASEMENT
BVC	BEGINNING VERTICAL CURVE	PGL	PROFILE GRADE LINE
BLVD	BOULEVARD	PI	POINT OF INTERSECTION
BRT	BUS RAPID TRANSIT	PKWY	PARKWAY
BP	BEGIN POINT	POT	POINT ON TANGENT
C&G	CURB AND GUTTER	PRC	POINT OF REVERSE CURVATURE
CL	CENTERLINE	PROP	PROPOSED
CLR	CLEAR	PT	POINT OF TANGENT
CONC	CONCRETE	PVI	POINT OF VERTICAL INTERSECTION
CR	COUNTY ROAD	R	RADIUS (FEET)
CSAH	COUNTY STATE AID HIGHWAY	RD	ROAD
CT	COURT	ROW	RIGHT OF WAY
DR	DRIVE	S	SOUTH
EB	EAST BOUND	SAN	SANITARY
EL	ELEVATION	SB	SOUTHBOUND
EP	END POINT	ST	STREET
EVC	ENDING VERTICAL CURVE	STA	STATION
EX	EXISTING	STM	STORM
HP	HIGHPOINT	TBD	TO BE DETERMINED
HWL	HIGH WATER LINE	TE	TEMPORARY EASEMENT
LN	LANE	TERR	TERRACE
LP	LOW POINT	TH	TRUNK HIGHWAY
MAX	MAXIMUM	TYP	TYPICAL
ME	MATCH EXISTING	UG	UNDERGROUND
MID	MIDPOINT OF CURVE	VAR	VARIES
MIN	MINIMUM	VC	VERTICAL CURVE
N	NORTH	Vd	DESIGN VELOCITY (MPH)
NB	NORTHBOUND	WB	WEST BOUND
NIC	NOT IN CONTRACT	WM	WATERMAIN

INDEX	
<u>GENERAL</u>	
1	COVER SHEET
2	LEGEND AND SHEET INDEX
3	KEYMAP
<u>CML/GUIDEWAY</u>	
4 - 31	GUIDEWAY PLAN AND PROFILE
32 - 37	SITE PLANS
38 - 79	TYPICAL SECTIONS
<u>ARCHITECTURE</u>	
80 - 83	TYPICAL PLATFORM PLAN

DRAFT-WORK IN PROCESS

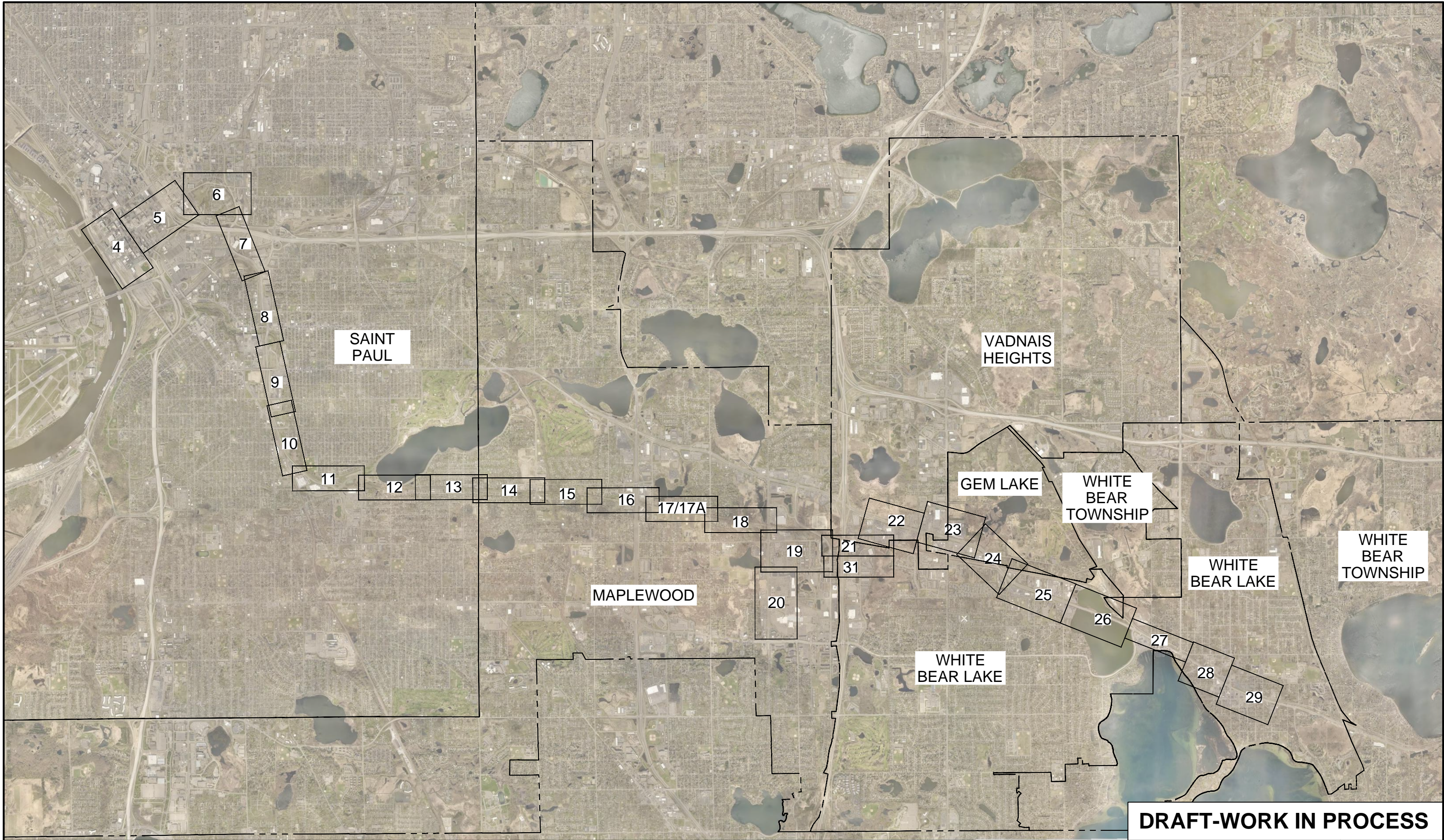


RUSH LINE BRT PROJECT
15% PLANS - 08/07/2020
LEGEND, ABBREVIATIONS AND INDEX



SHEET NO.
2
OF
83

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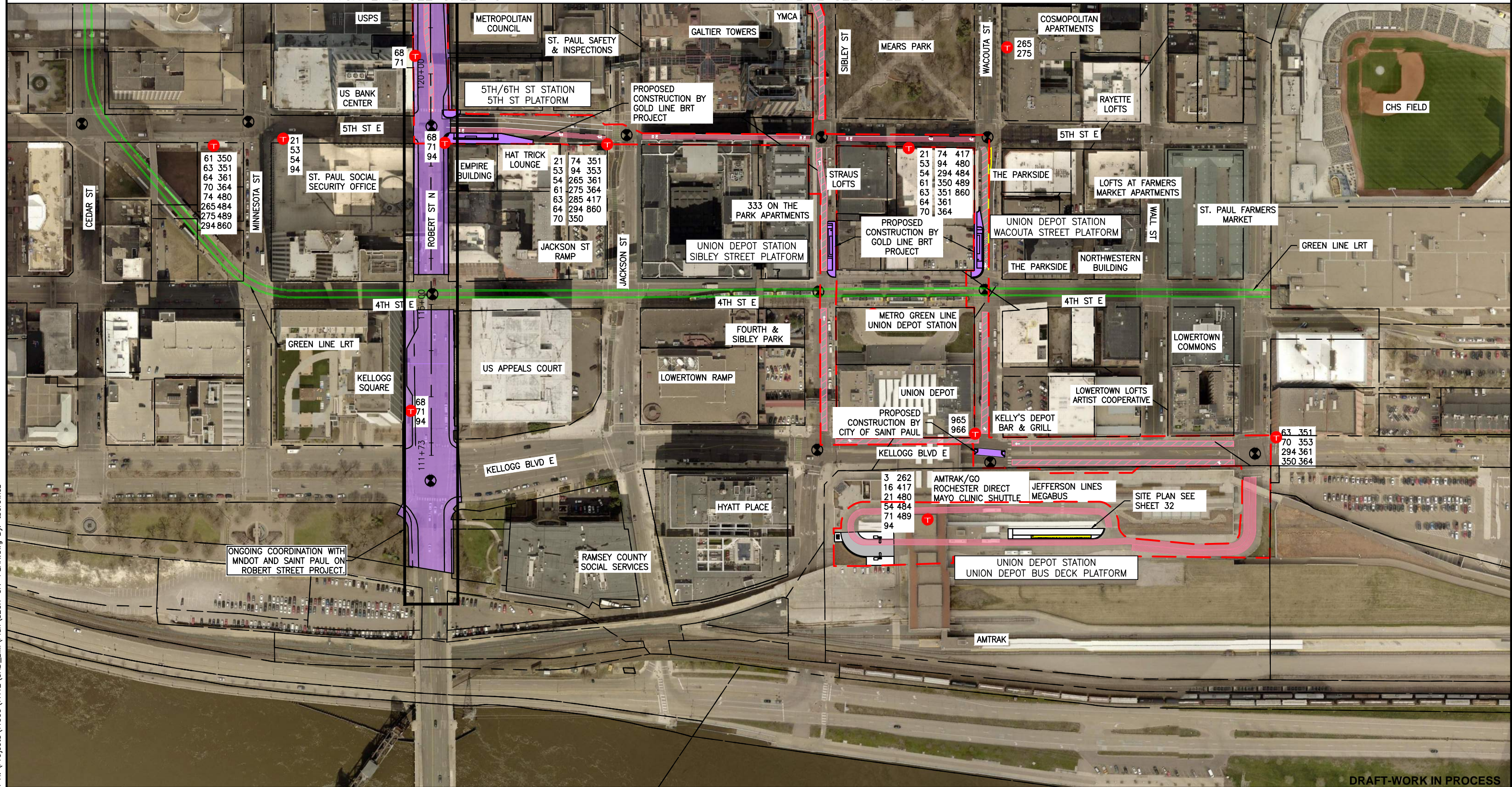


	<p>RUSH LINE BRT PROJECT</p> <p>15% PLANS - 08/07/2020</p> <p>KEYMAP</p>			 <p>RAMSEY COUNTY</p>		<p>SHEET NO.</p> <p>3</p> <p>OF</p> <p>83</p>
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Aug. 04 2020 09:08 am H:\Projects\11000\11112\CAD_BIM\Plan\SEG-CIV-PLAN.dwg By: tborowicz

MATCH LINE SEE SHEET 5

MATCH LINE SEE SHEET 5

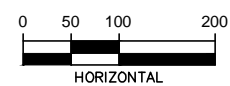


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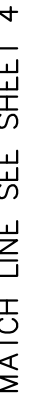


RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020

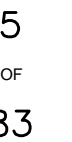


SHEET NO.
4
OF
83



MAICH LINE SEE SHEET 4

SHEET NO.



Aug. 04 2020 09:09 am H:\Projects\11000\11112\CAD_BIM\Plan\SEG-CIV-PLAN.dwg By: tborowicz



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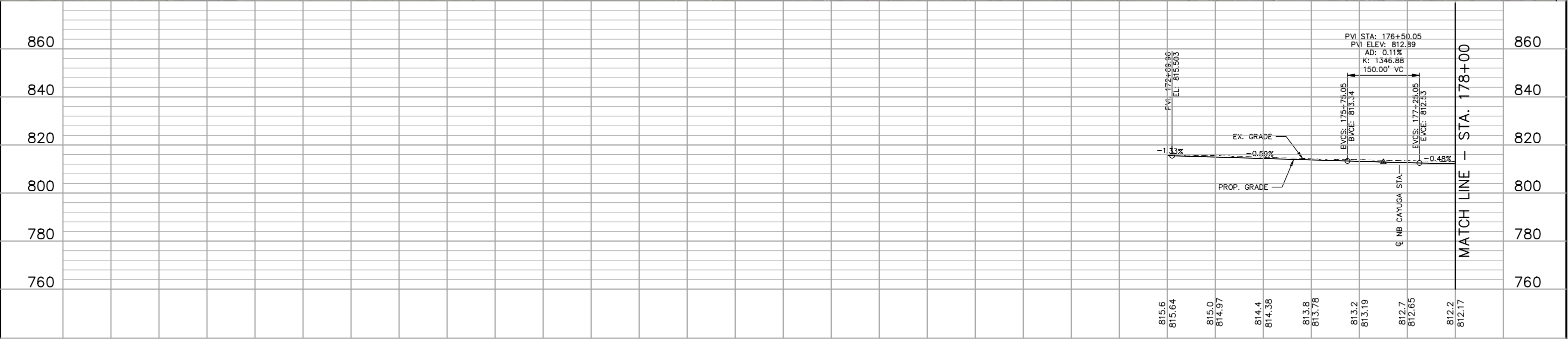
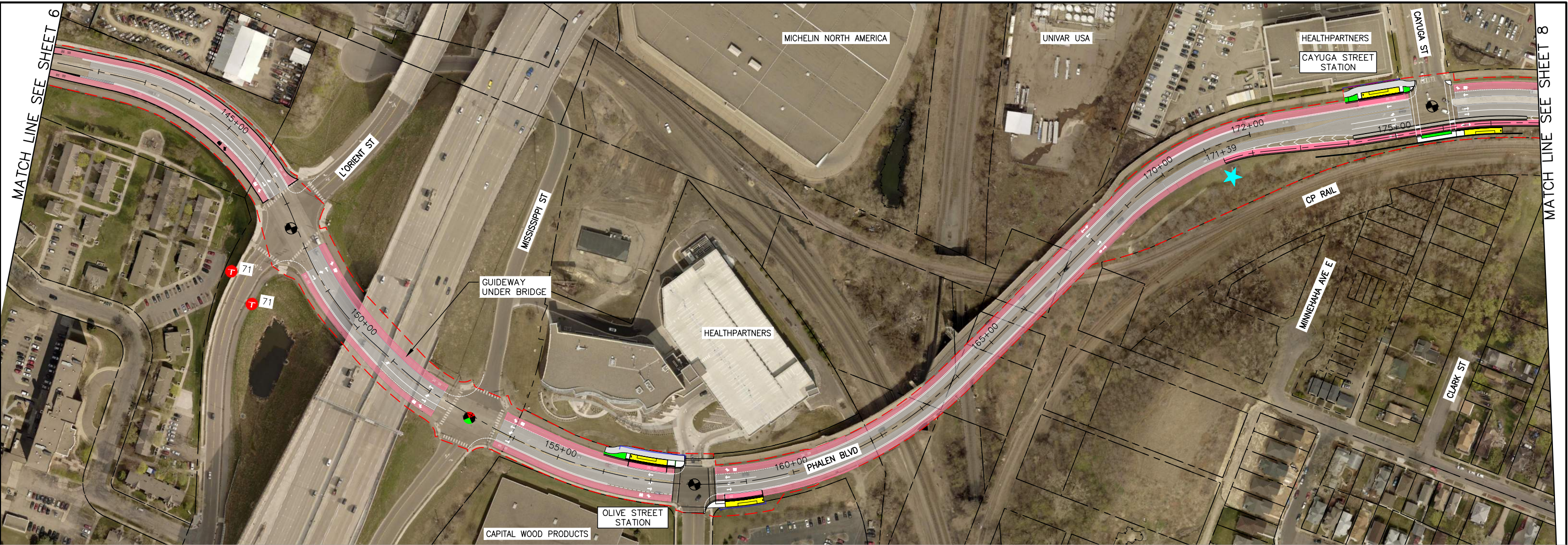
RUSH LINE BRT PROJECT

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SHEET NO.
6
OF
83

Aug. 04 2020 07:52 am K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Plan_Prof 04.dwg By: bob.monjeau



172+00 174+00 176+00 178+00
DRAFT-WORK IN PROCESS

RUSH LINE BRT PROJECT

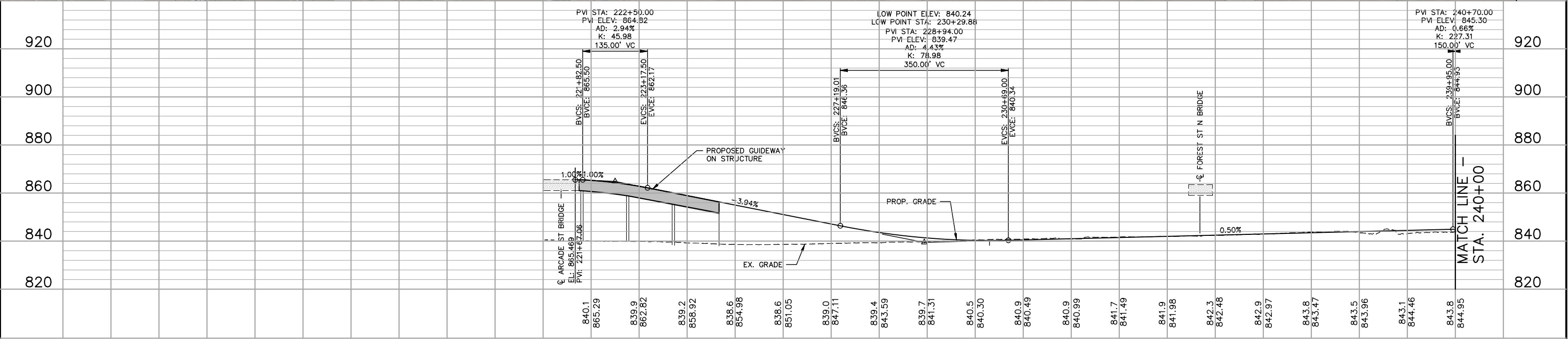
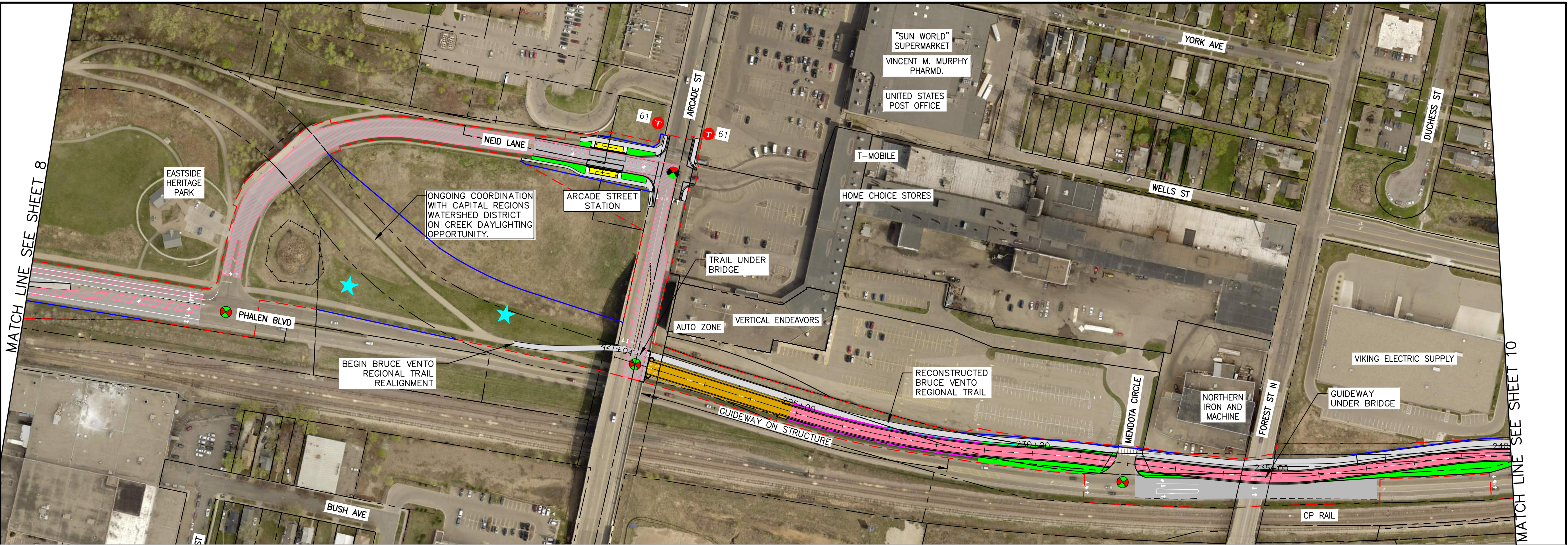
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0 50 100 200
HORIZONTAL

0 10 20 40
VERTICAL

SHEET NO.
7
OF
83

Aug. 04 2020 07:57 am K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Plan_Prof 06.dwg By: bob.monjeau



222+00	224+00	226+00	228+00	230+00	232+00	234+00	236+00	238+00	240+00
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RUSH LINE BRT PROJECT

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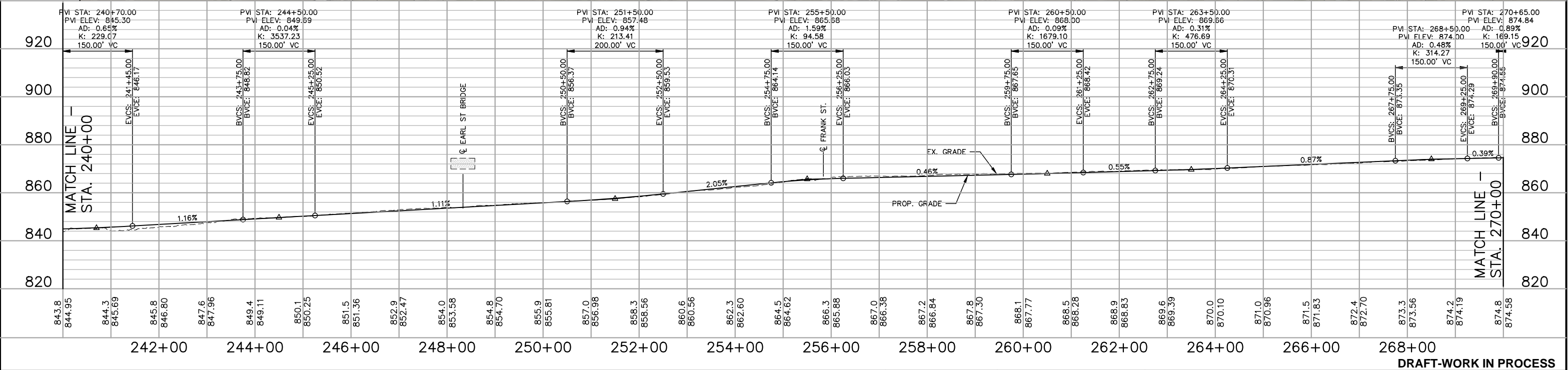
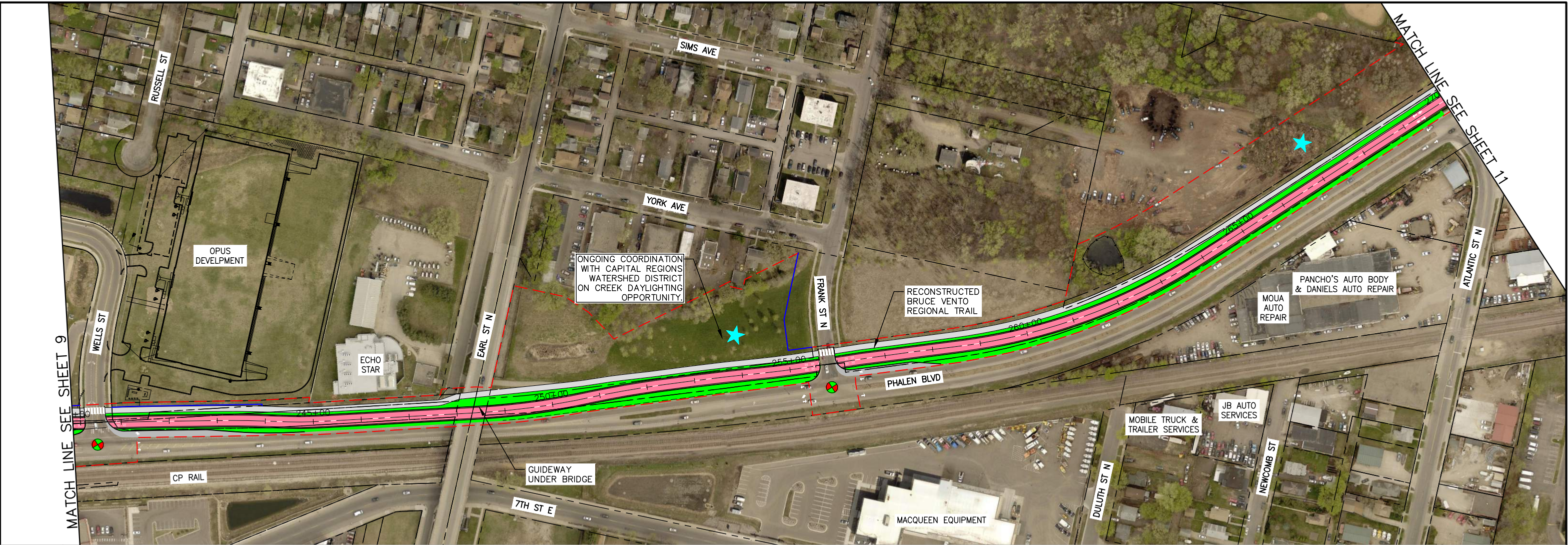




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SHEET NO. 9 OF 83

Aug. 04 2020 08:00 am K:\TWC_Transit\RCPRA\Rush Line EA\CAD\Plan Sheets\11112_Plan_Prof 07.dwg By: bob.monjeau





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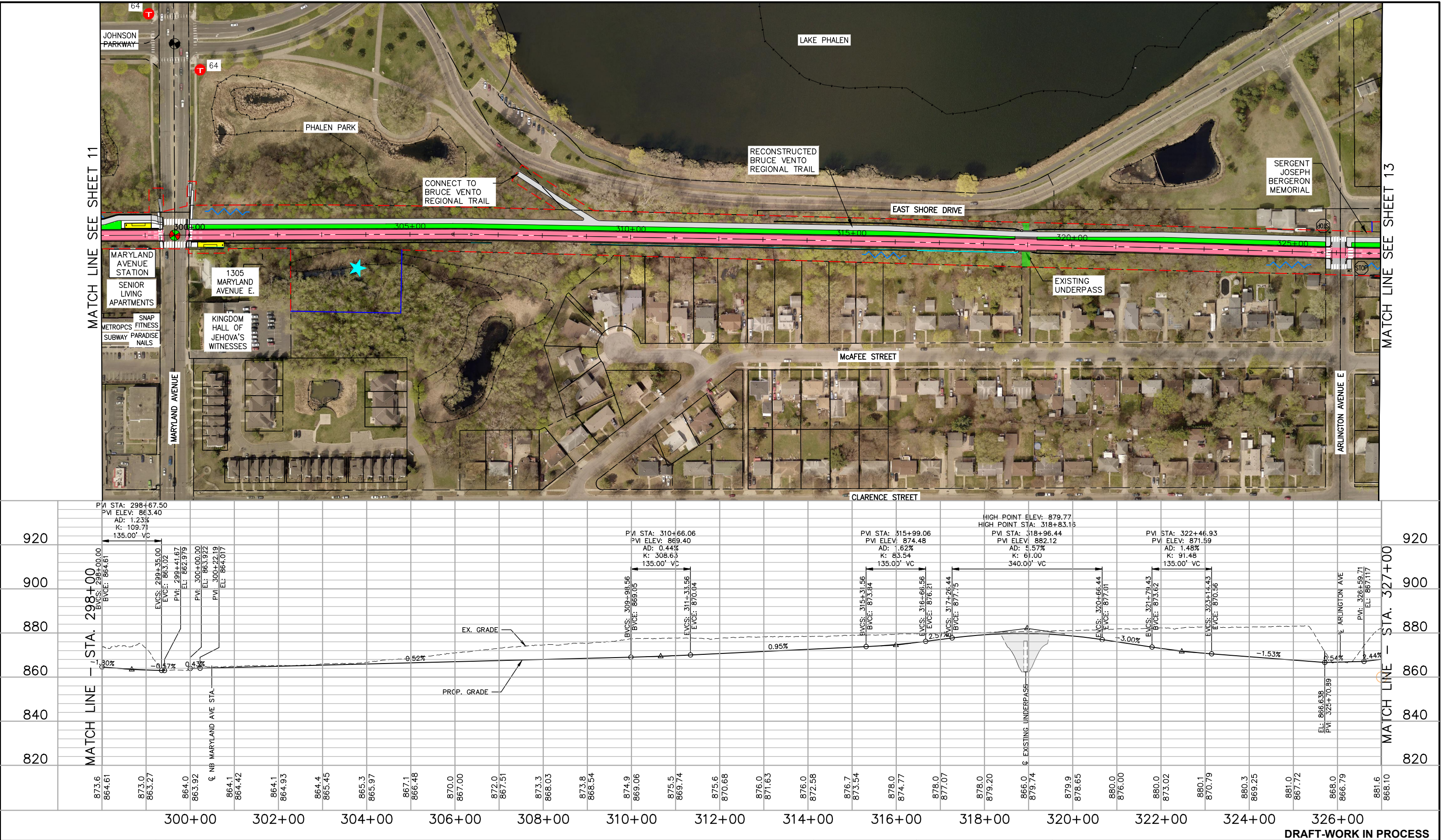




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10	OF
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Sep. 08 2020 02:31 pm K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Plan_Prof 09.dwg By: bob.monjeau



RUSH LINE BRT PROJECT

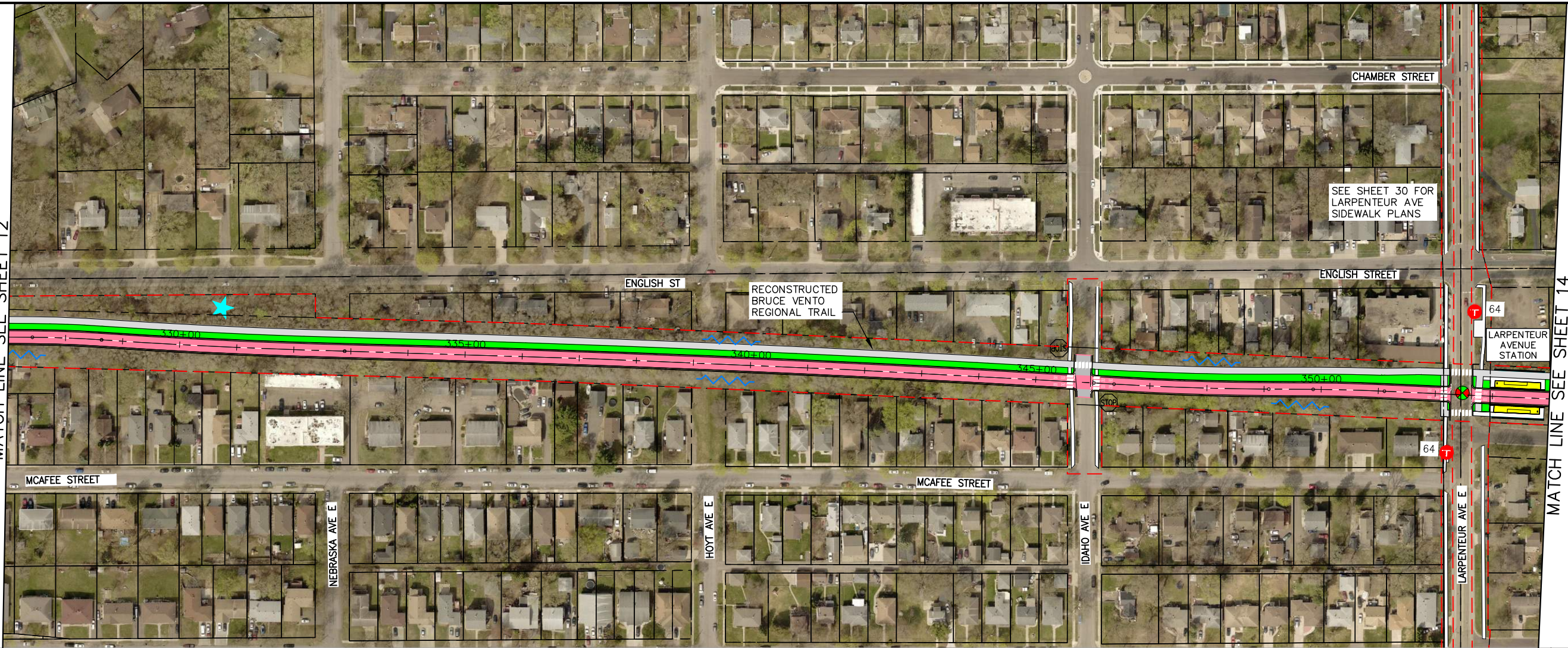
15% PLANS - 08/07/2020

SHEET NO. 12 OF 83

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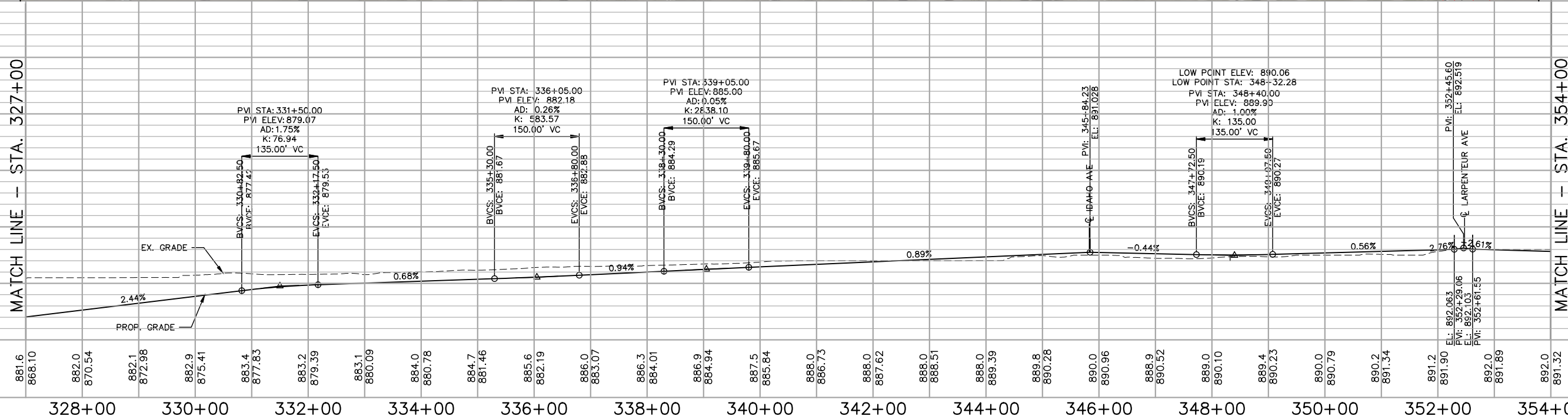
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MATCH LINE SEE SHEET 12



MATCH LINE SEE SHEET 14

MATCH LINE - STA. 327+00



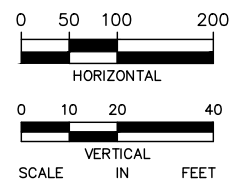
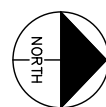
MATCH LINE - STA. 354+00

DRAFT-WORK IN PROCESS



RUSH LINE BRT PROJECT

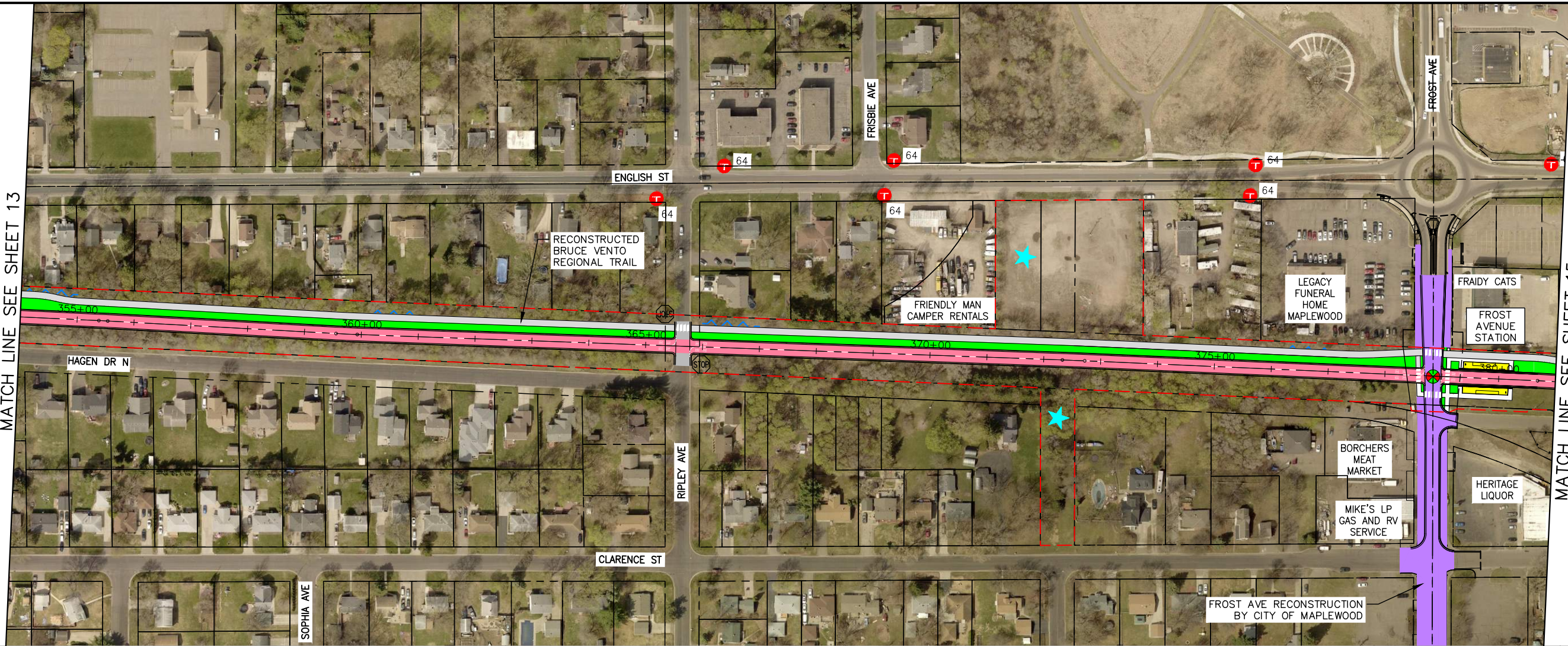
15% PLANS - 08/07/2020



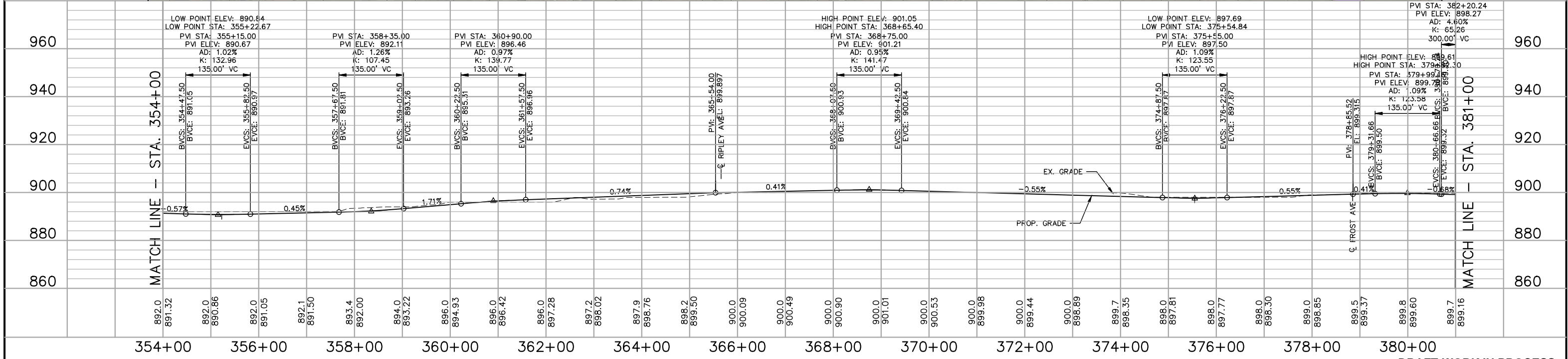
SHEET NO.
13
OF
83

Aug. 04 2020 08:07 am K:\TWC_Transit\RCPRA\Rush Line EA\CAD\Plan Sheets\11112_Plan_Prof 11.dwg By: bob.monjeau


MATCH LINE SEE SHEET 13



MATCH LINE SEE SHEET 15

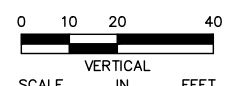
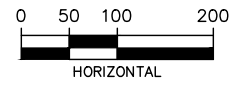



MATCH LINE - STA. 381+00





RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020



SCALE IN FEET

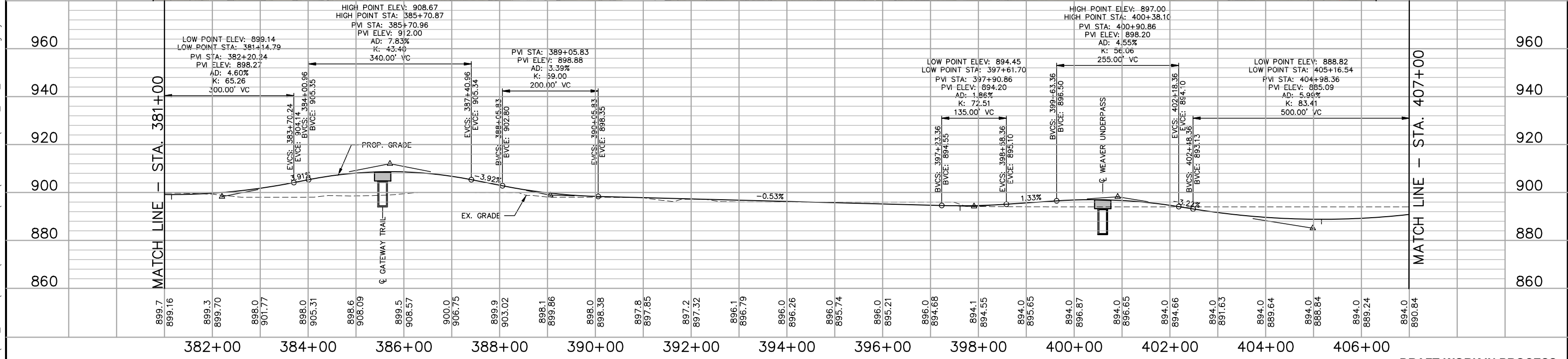
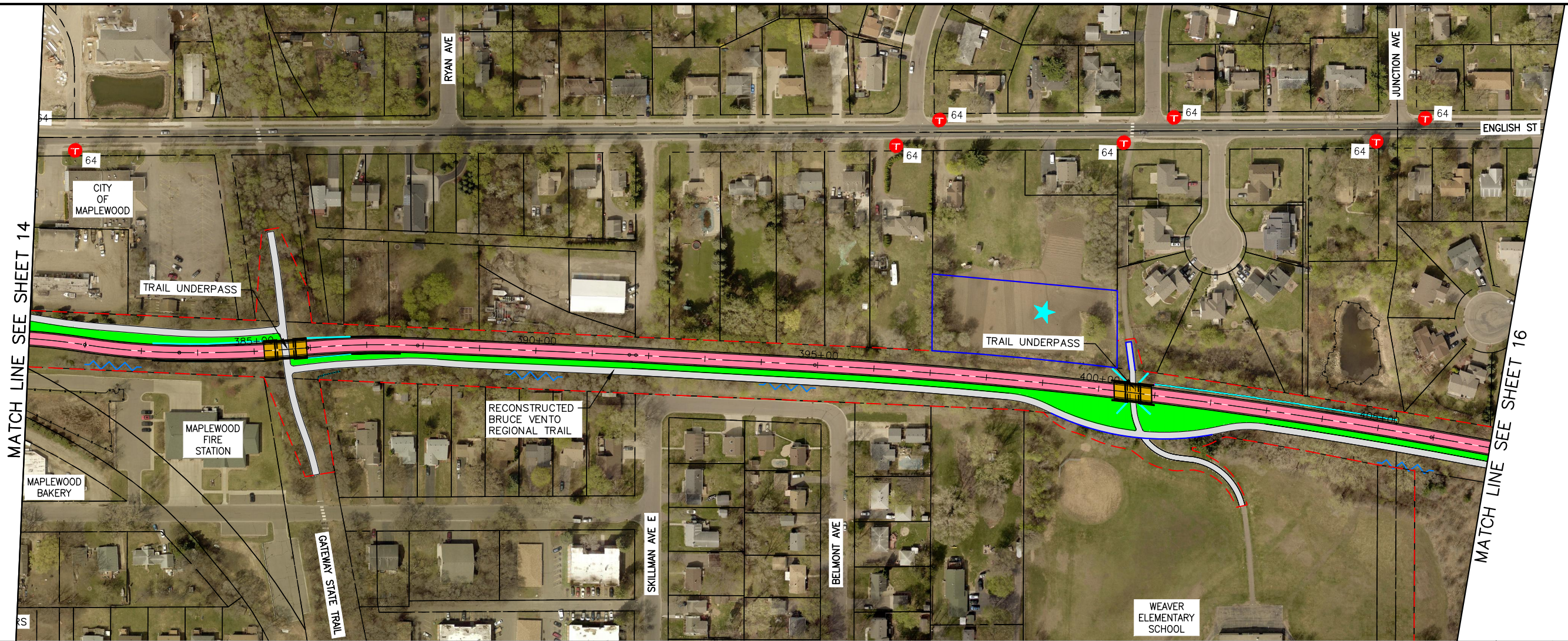


SRH Consulting Group, Inc.

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SHEET NO. 14 OF 83

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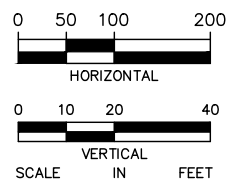
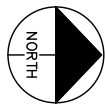


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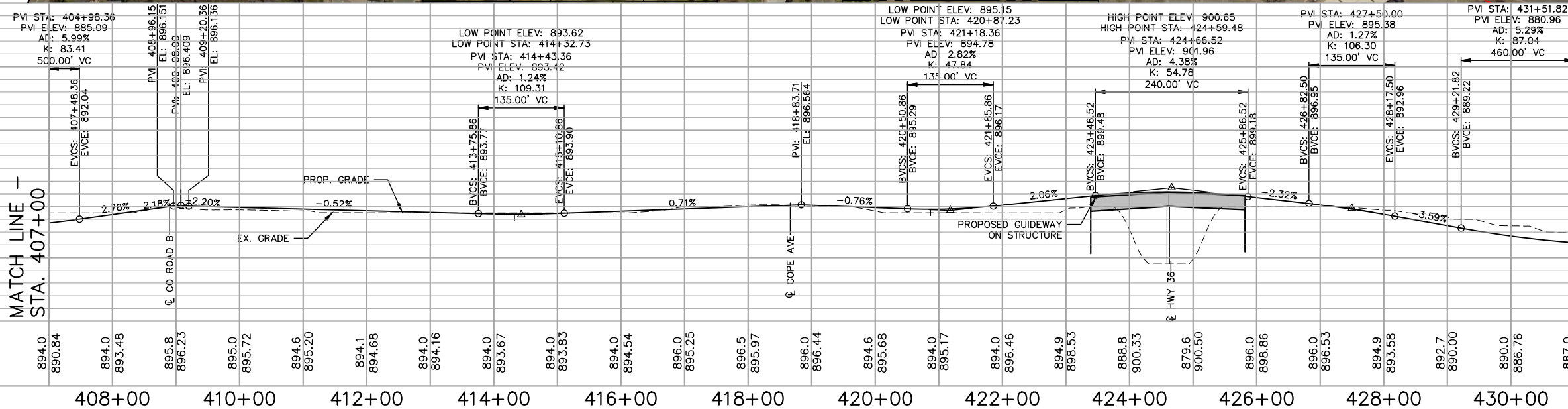
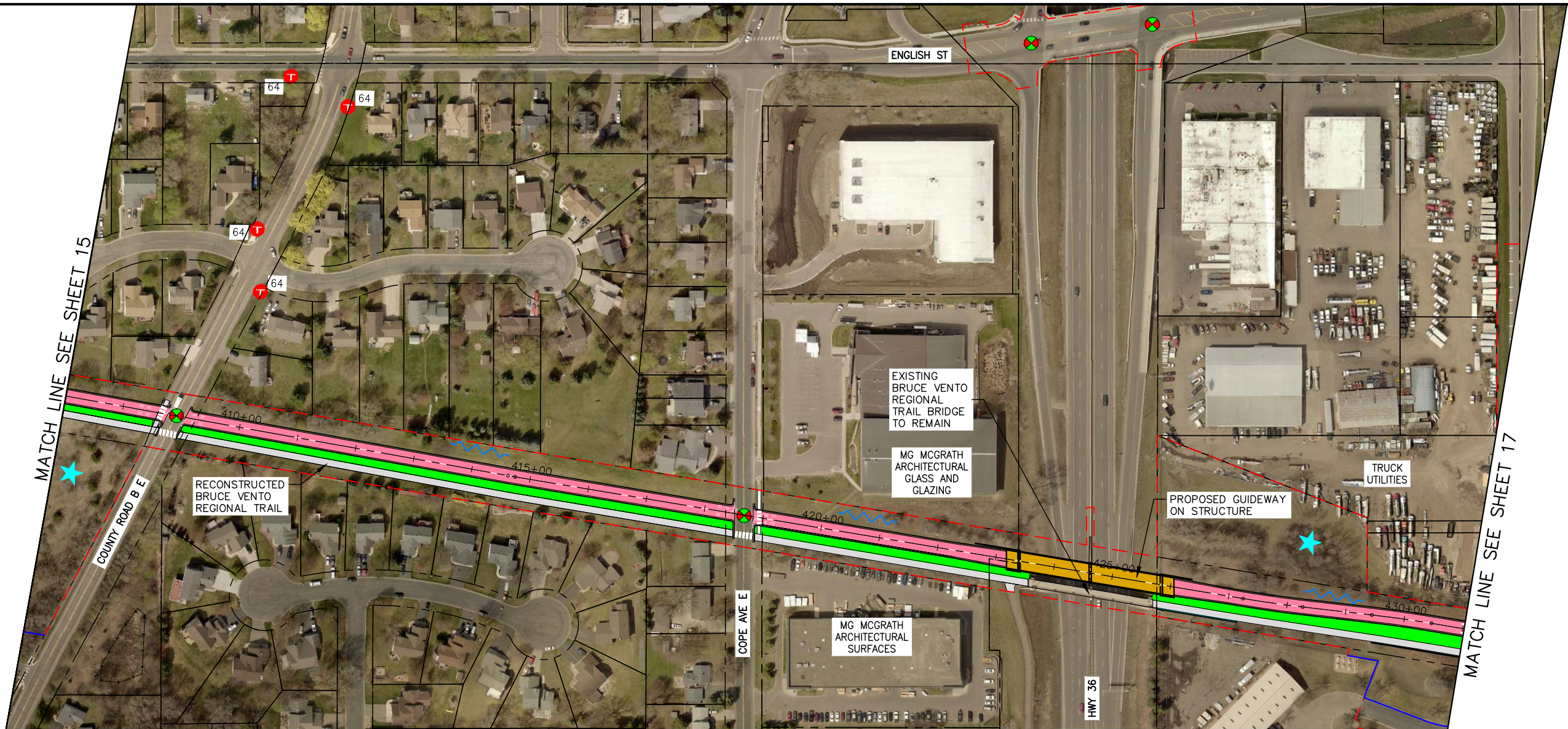
RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020



SHEET NO.
15
OF
83

Aug. 04 2020 08:12 am K:\TWC_Transit\RRRA\Rush Line EA\CAD\Plan Sheets\11112_Plan_Prof 13.dwg By: bob.monjeau



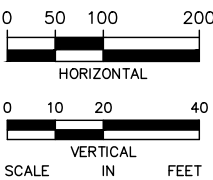
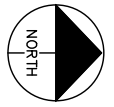
MATCH LINE - STA. 431+00

DRAFT-WORK IN PROCESS



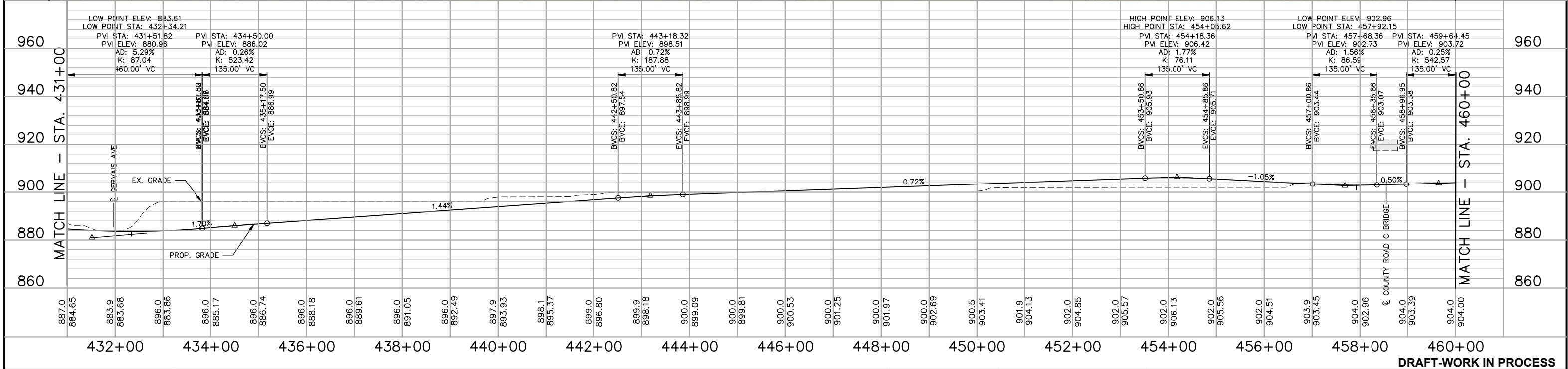
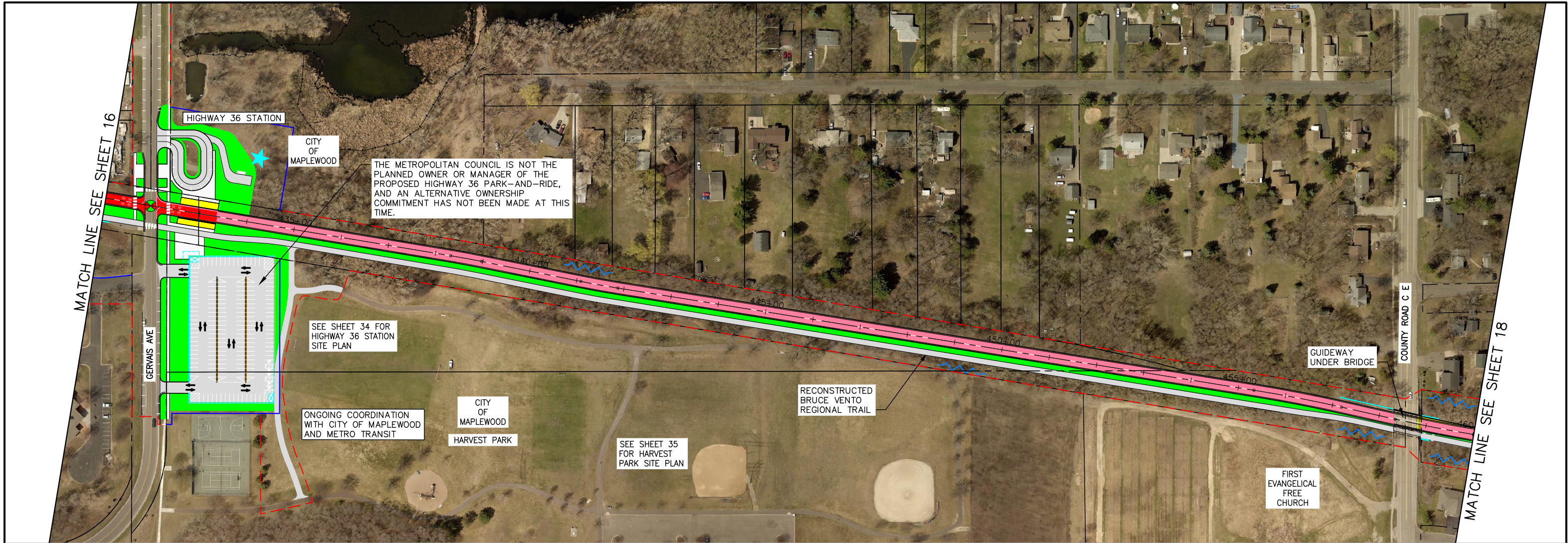
RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020



SHEET NO.
16
OF
83

Mar, 11 2021 04:07 pm K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Plan_Prof 14.dwg By: bob.monjeau





RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020





HORIZONTAL
VERTICAL
SCALE IN FEET





SHEET NO.

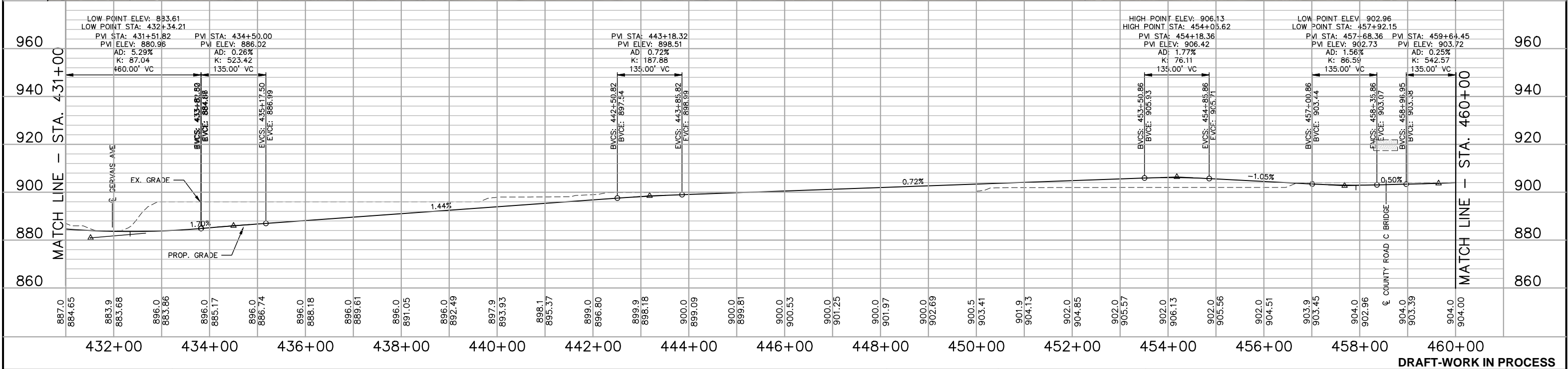
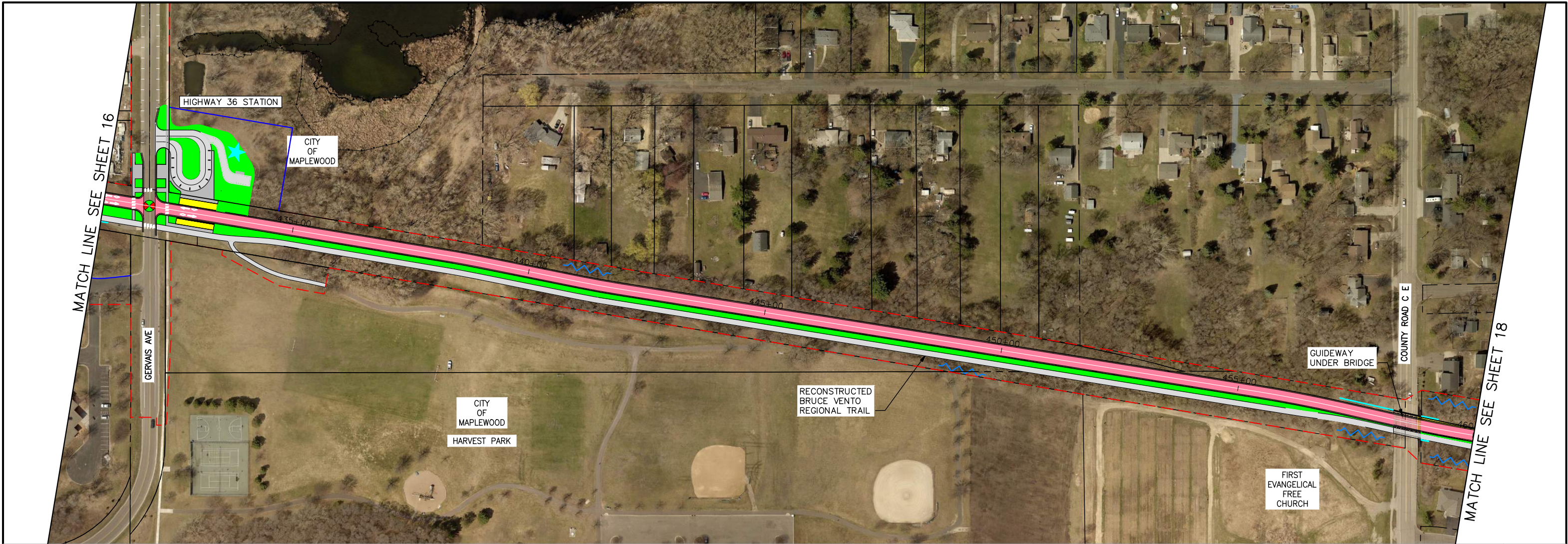
17

OF

83

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Aug. 04 2020 08:16 am K:\TWC_Transit\RRRA\Rush Line EA\CAD\Plan Sheets\11112_Plan_Prof 14 NO PNR.dwg By: bob.monjeau



RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020

HORIZONTAL

VERTICAL

SCALE IN FEET

RAMSEY COUNTY

Kimley-Horn

SRF Consulting Group, Inc.

SHEET NO.

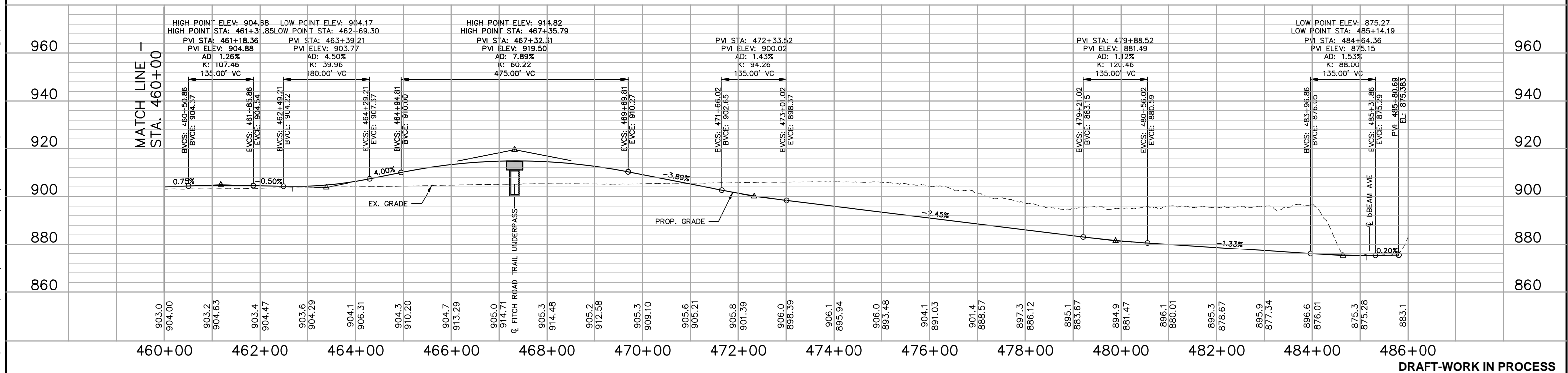
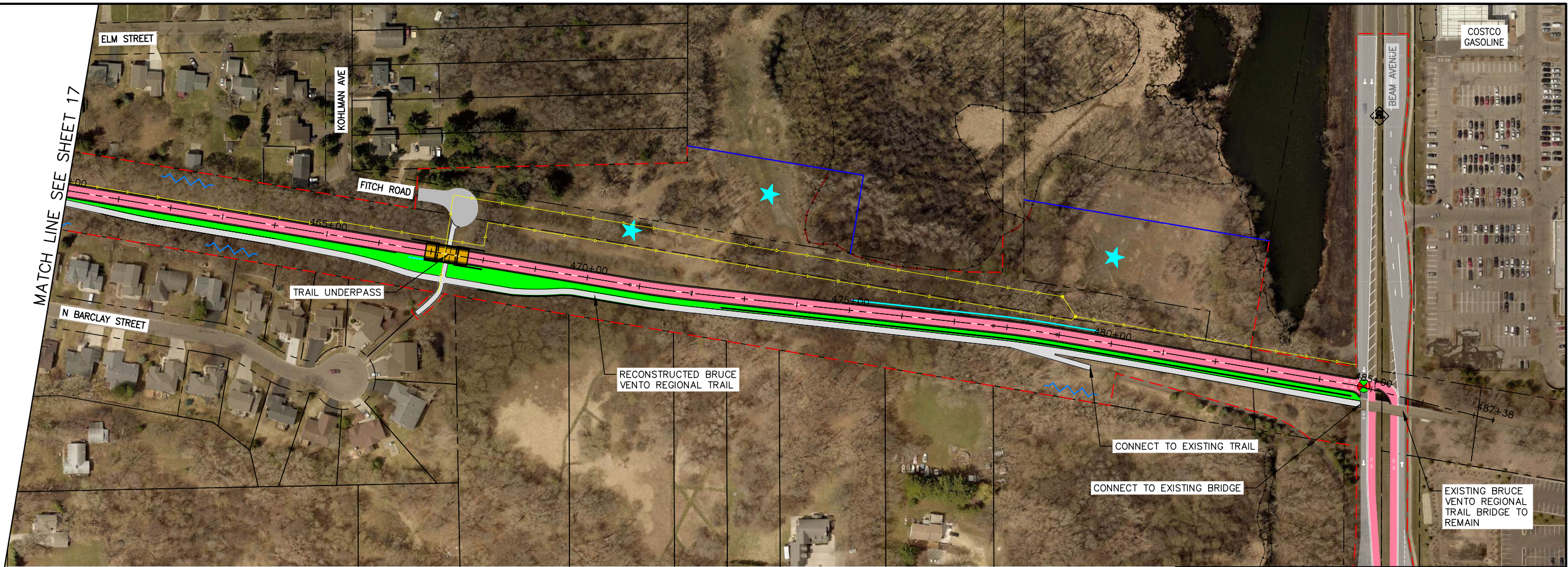
17A

OF

83

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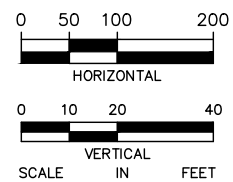
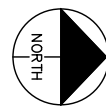


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RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020



SHEET NO.
18
OF
83

Aug. 04 2020 08:20 am K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Plan_Prof 16.dwg By: bob.monjeau

MATCH LINE SEE SHEET 18



MATCH LINE SEE SHEET 21

MATCH LINE SEE SHEET 20

DRAFT-WORK IN PROCESS

	<p>RUSH LINE BRT PROJECT 15% PLANS - 08/07/2020</p>					<p>SHEET NO. 19 OF 83</p>
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Aug. 04 2020 08:22 am K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Plan_Prof 17.dwg By: bob.monjeau

MATCH LINE SEE SHEET 19

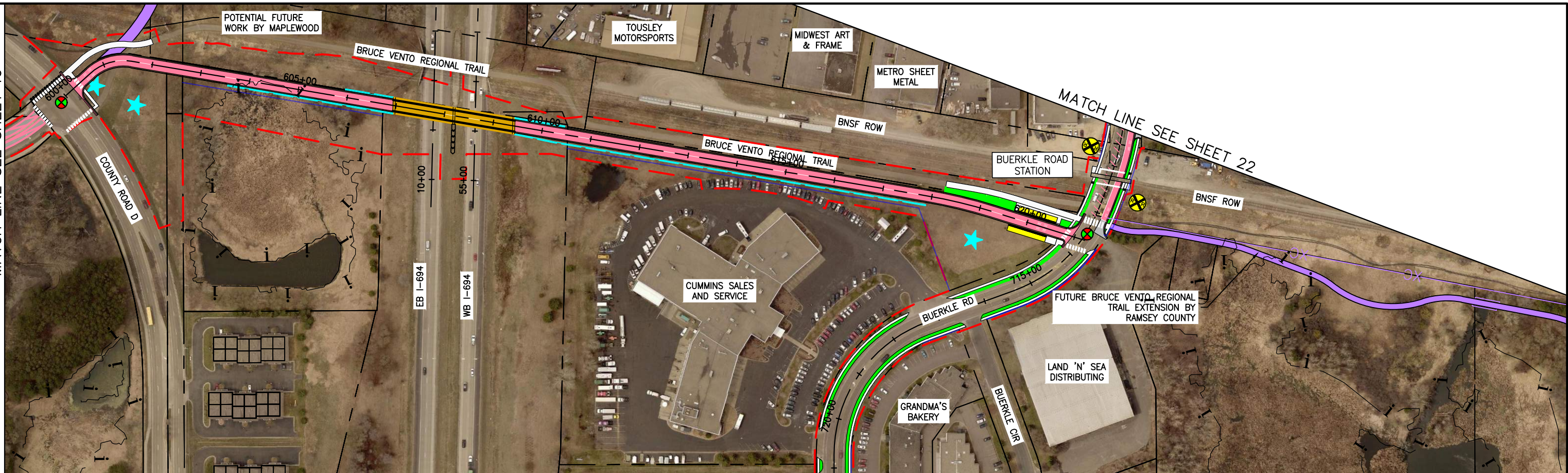


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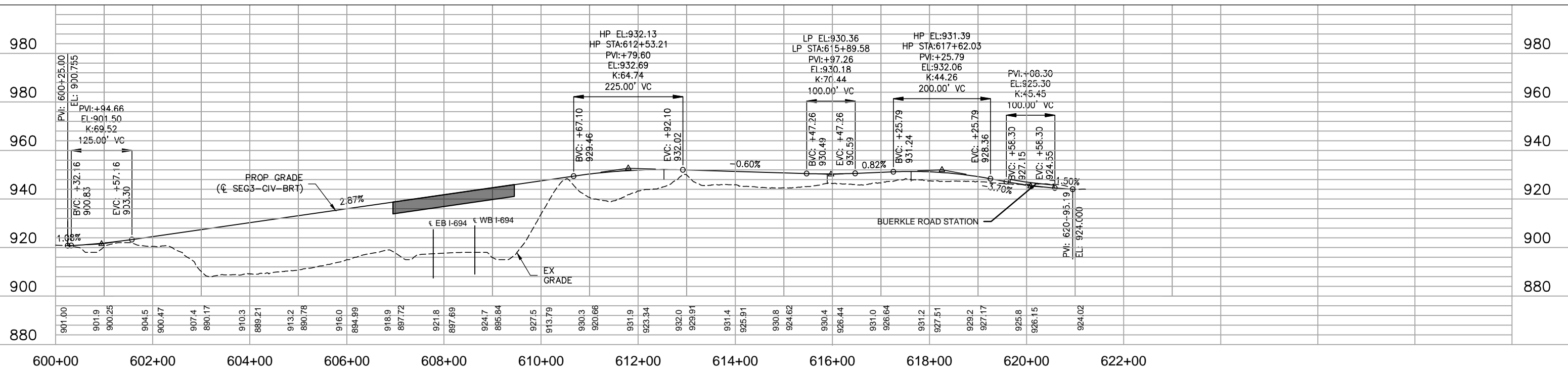
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Aug. 05 2020 01:38 pm H:\Projects\11000\11112\CAD_BIM\Plan\SEG3-CIV-PRE.dwg By: tborowicz

MATCH LINE SEE SHEET 19



MATCH LINE SEE SHEET 31

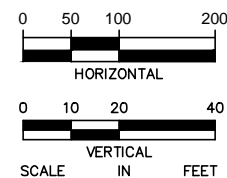


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RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020



SHEET NO.

21
OF
83

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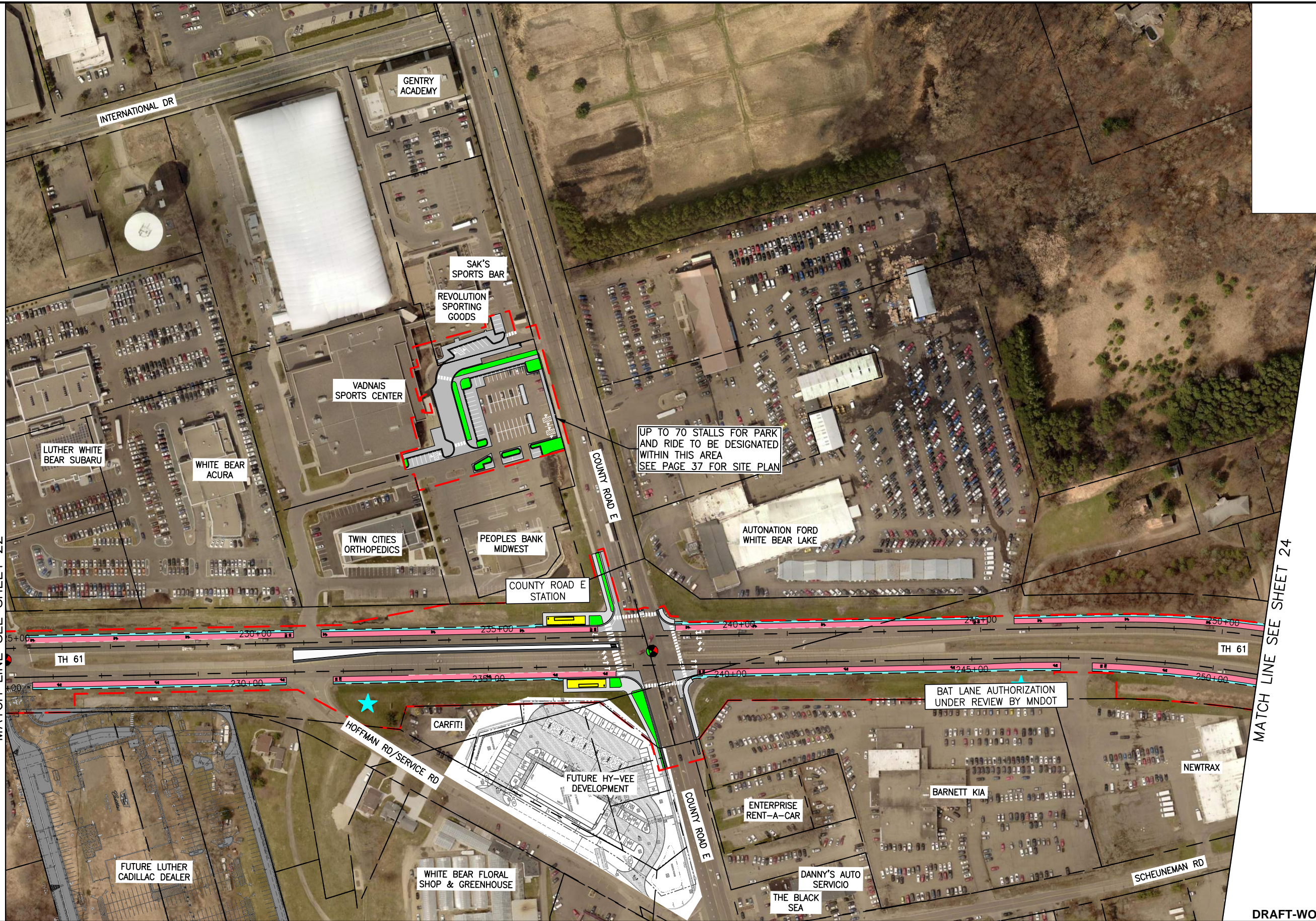


MATCH LINE SEE SHEET 23

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Aug. 04 2020 09:28 am H:\Projects\11000\11112\CAD_BIM\Plan\SEG-CIV-PLAN.dwg By: tborowicz

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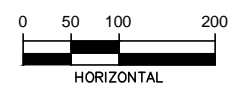
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DRAFT-WORK IN PROCESS



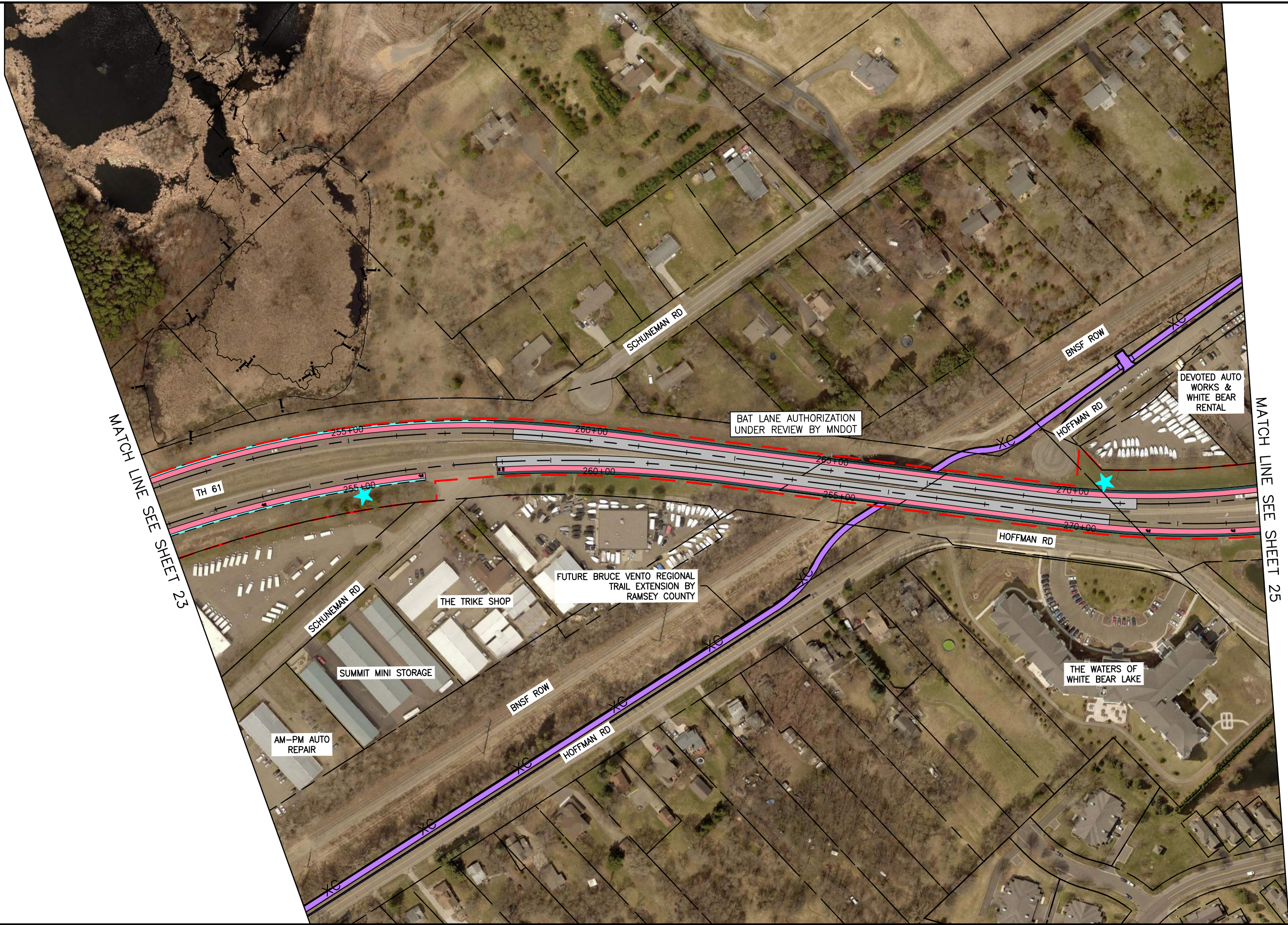
RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020



SHEET NO.
23
OF
83

Aug. 04 2020 09:29 am H: \\Projects\\11000\\11112\\CAD_BIM\\Plan\\SEG-CIV-PLAN.dwg By: tborowicz



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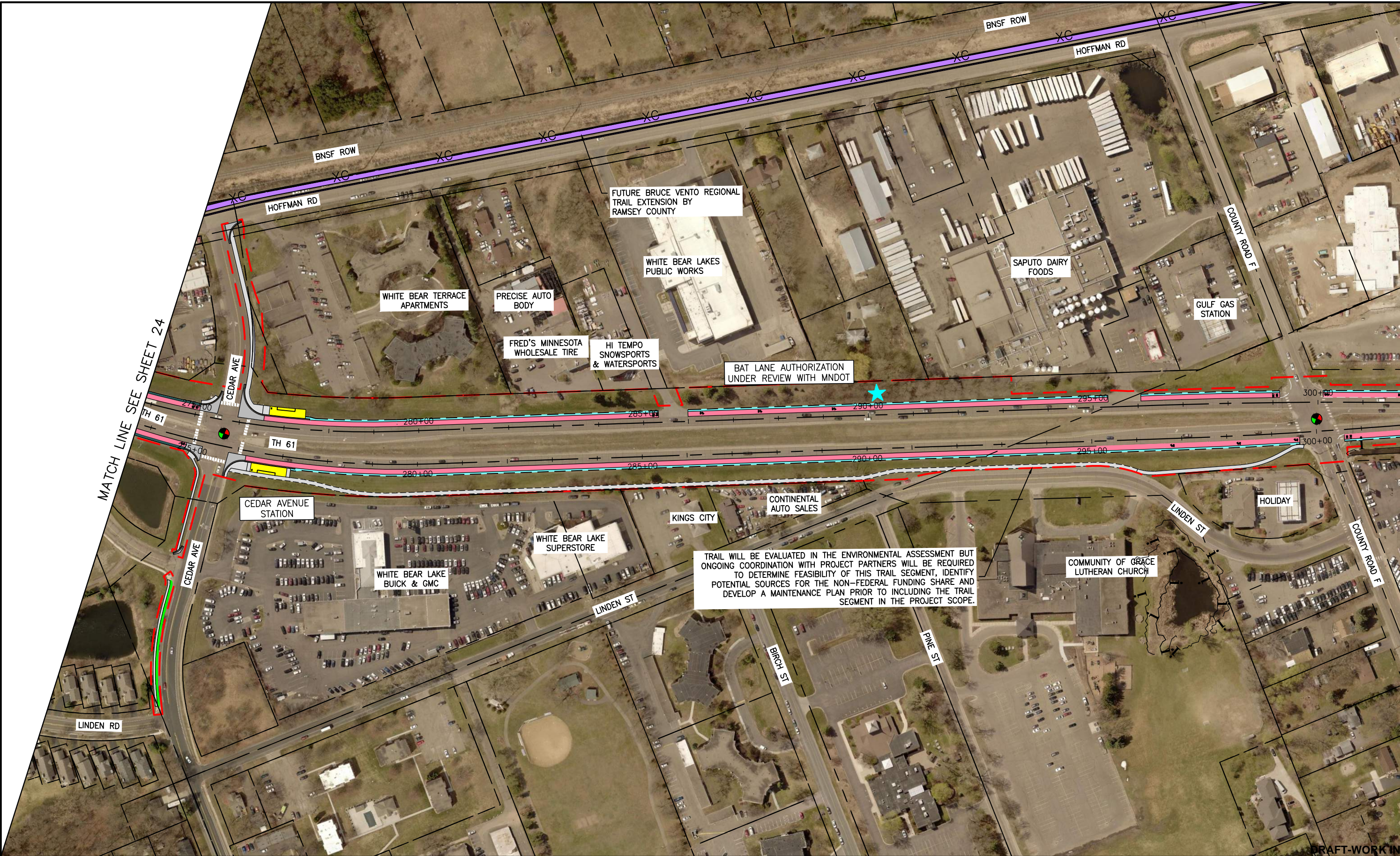
RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020


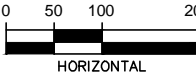




SHEET NO.
24
OF
83

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	<p>RUSH LINE BRT PROJECT 15% PLANS - 08/07/2020</p>		 <p>HORIZONTAL</p>			<p>SHEET NO. 25 OF 83</p>
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Aug. 04 2020 09:31 am H:\Projects\11000\11112\CAD_BIM\Plan\SEG-CIV-PLAN.dwg By: tborowicz

MATCH LINE SEE SHEET 25



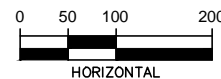
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RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020

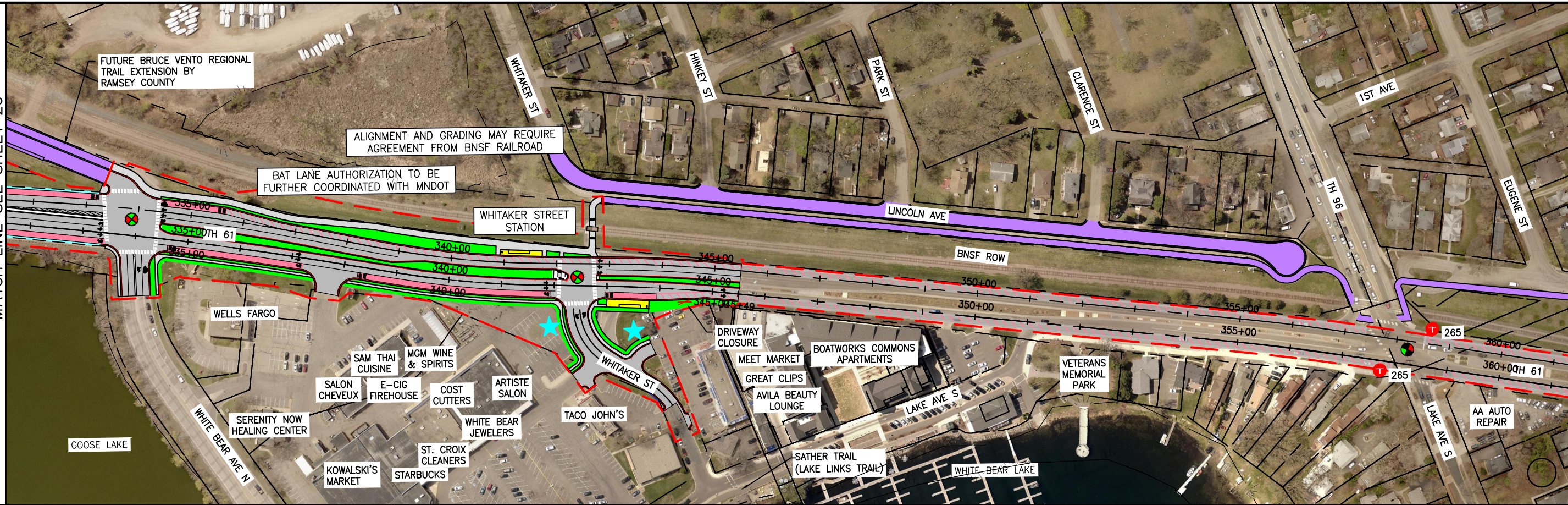


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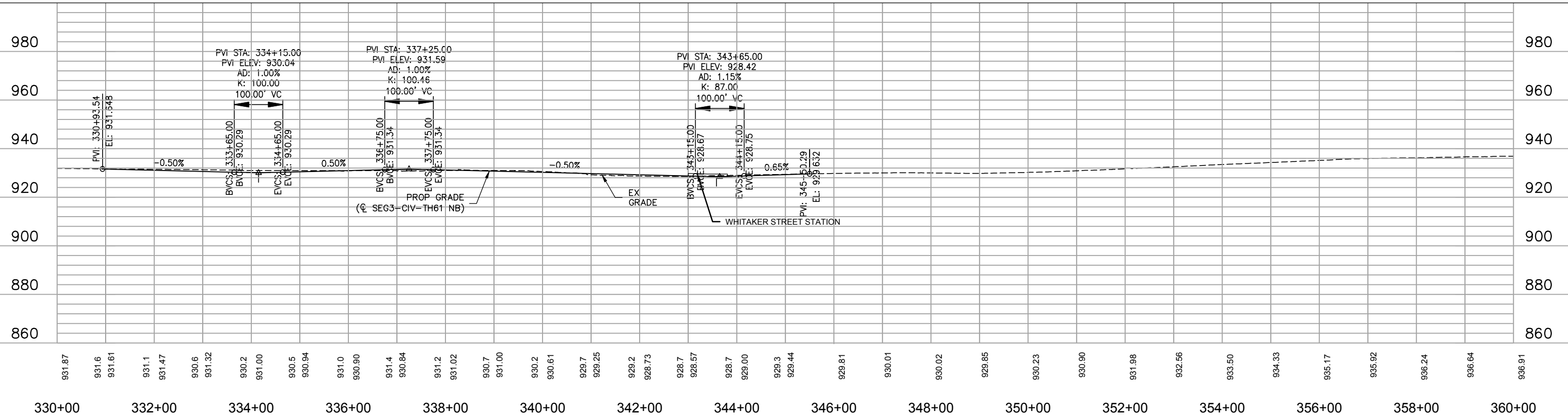
26
OF
83

Aug. 05 2020 03:04 pm H:\Projects\11000\11112\CAD_BIM\Plan\SEG3-CIV-PRF.dwg By: tborowicz

MATCH LINE SEE SHEET 26



MATCH LINE SEE SHEET 28



DRAFT-WORK IN PROCESS



RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020





SCALE IN FEET





SHEET NO.

27

OF

83

Aug. 04 2020 10:07 am H:\Projects\11000\11112\CAD_BIM\Plan\SEGX-CIV-PLAN.dwg By: tborowicz

MATCH LINE SEE SHEET 27



MATCH LINE SEE SHEET 29

DRAFT-WORK IN PROCESS



RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020



SHEET NO.
28
OF
83

Aug. 04 2020 10:08 am H:\Projects\11000\11112\CAD_BIM\Plan\SEG-CIV-PLAN.dwg By: tborowicz

MATCH LINE SEE SHEET 28



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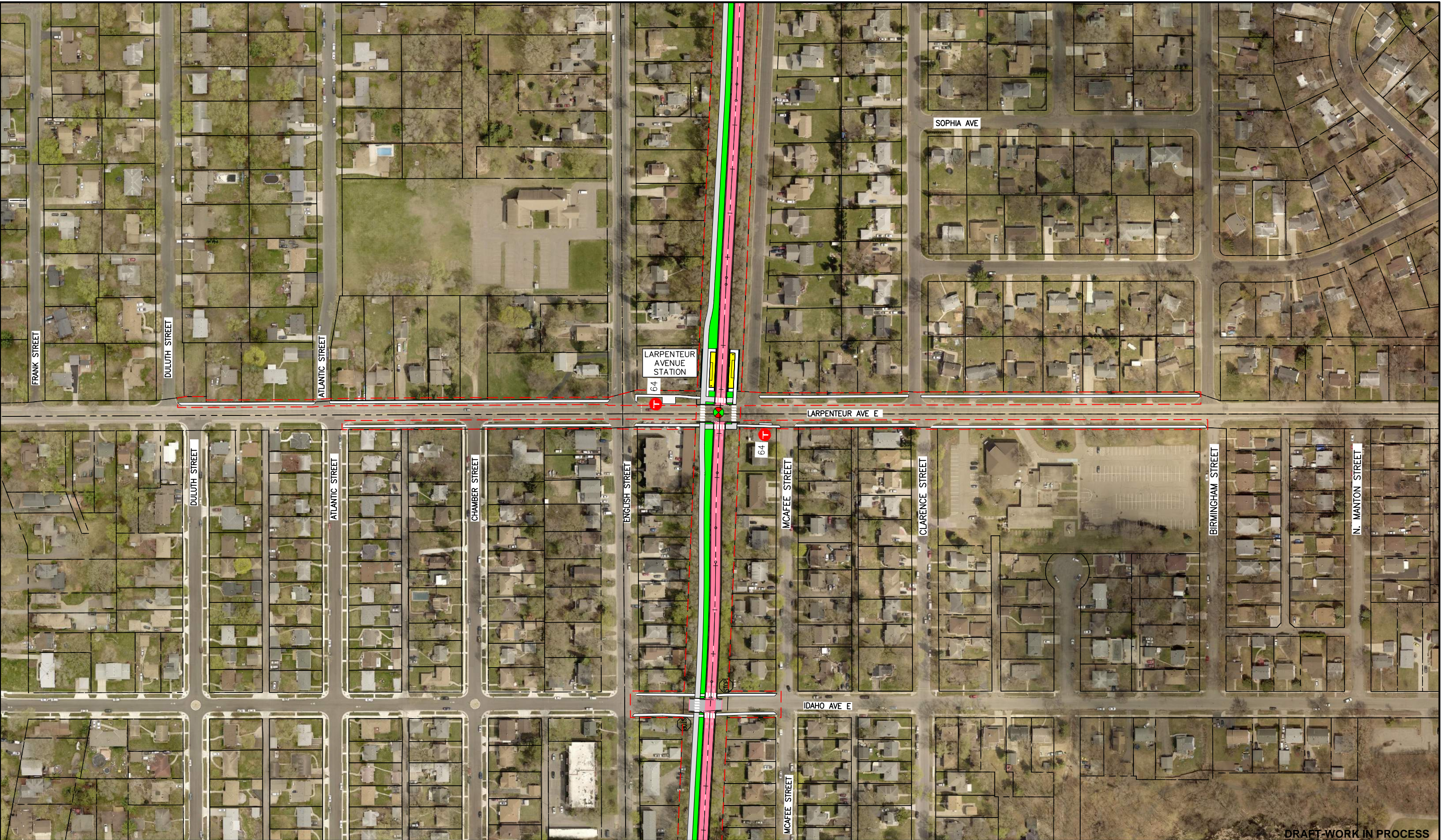
RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020



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83

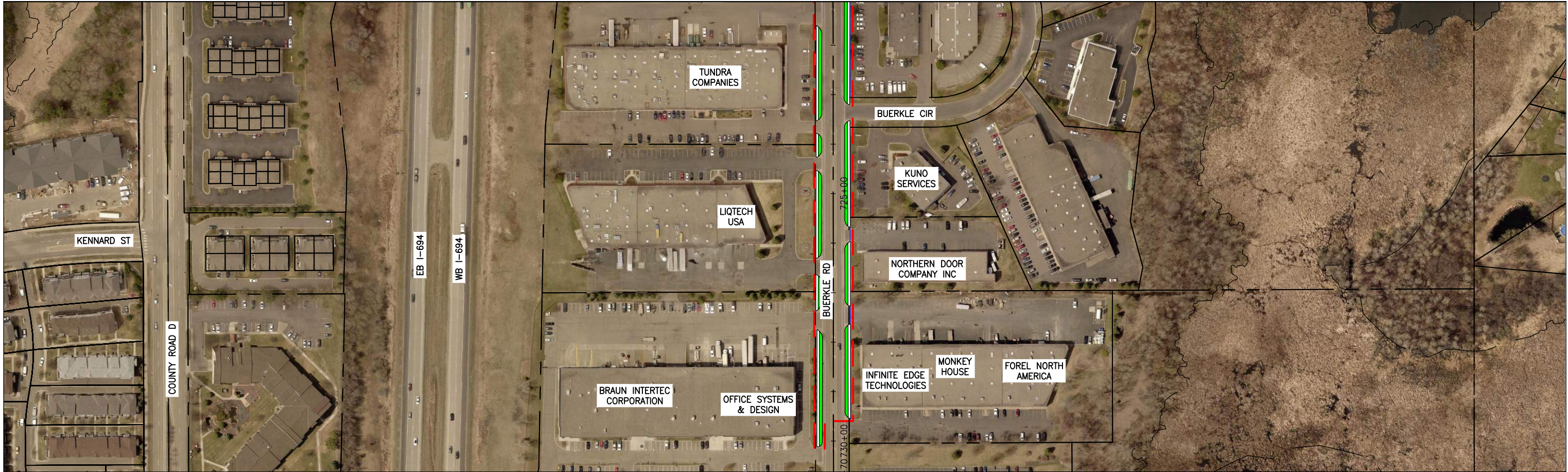
Aug. 04 2020 08:34 am K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Plan01.dwg By: bob.monjeu



DRAFT-WORK IN PROCESS

	<p>RUSH LINE BRT PROJECT 15% PLANS - 08/07/2020 LARPEUR AVENUE SIDEWALK IMPROVEMENTS</p>		 <p>HORIZONTAL</p>			<p>SHEET NO. 30 OF 83</p>
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Aug. 04 2020 10:09 am H:\Projects\11000\11112\CAD_BIM\Plan\SEGX-CIV-PLAN.dwg By: tborowicz



RUSH LINE BRT PROJECT
15% PLANS - 08/07/2020
BUERKLE ROAD SIDEWALK IMPROVEMENTS

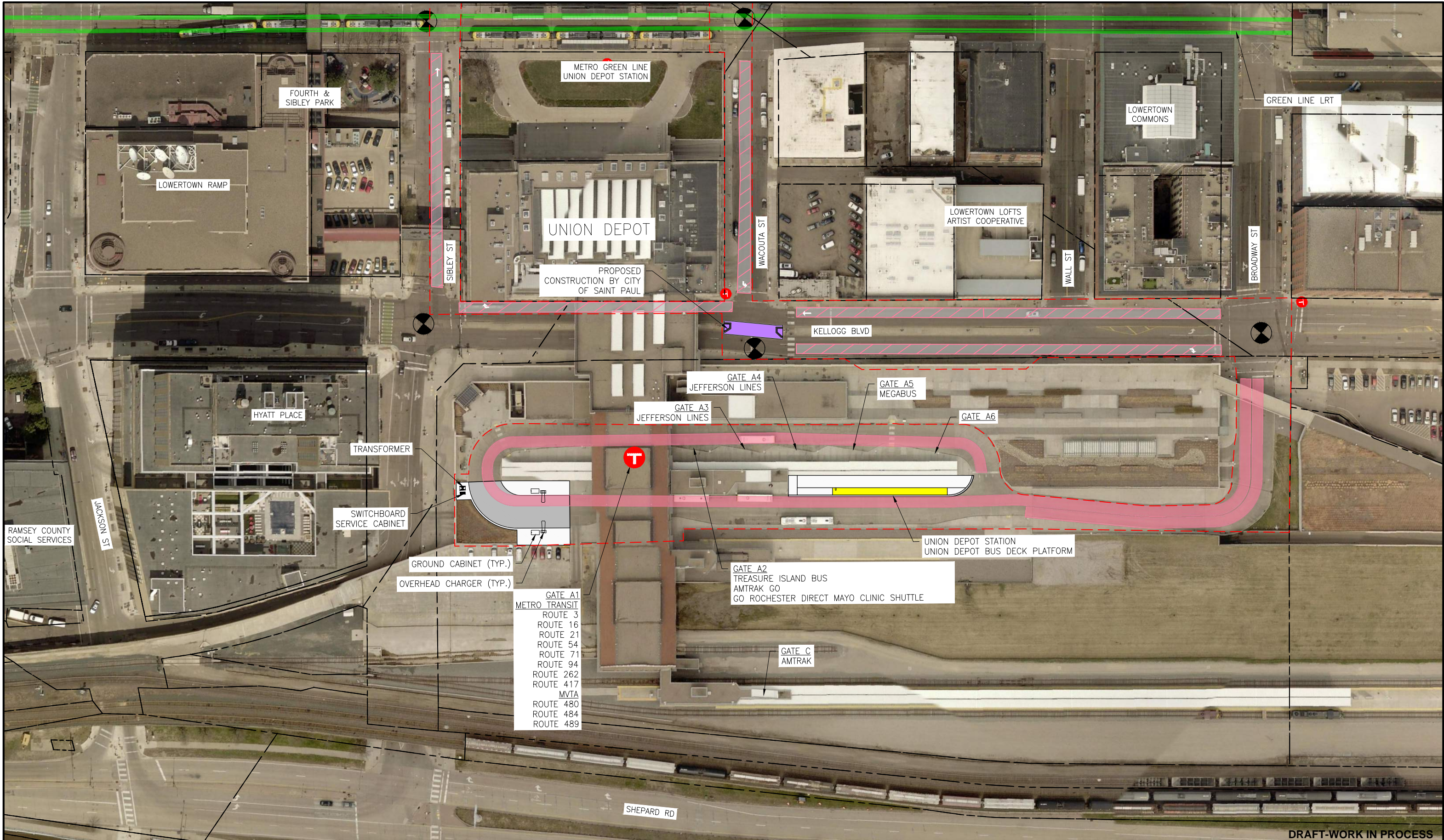


DRAFT-WORK IN PROCESS

SHEET NO.

31
OF
83

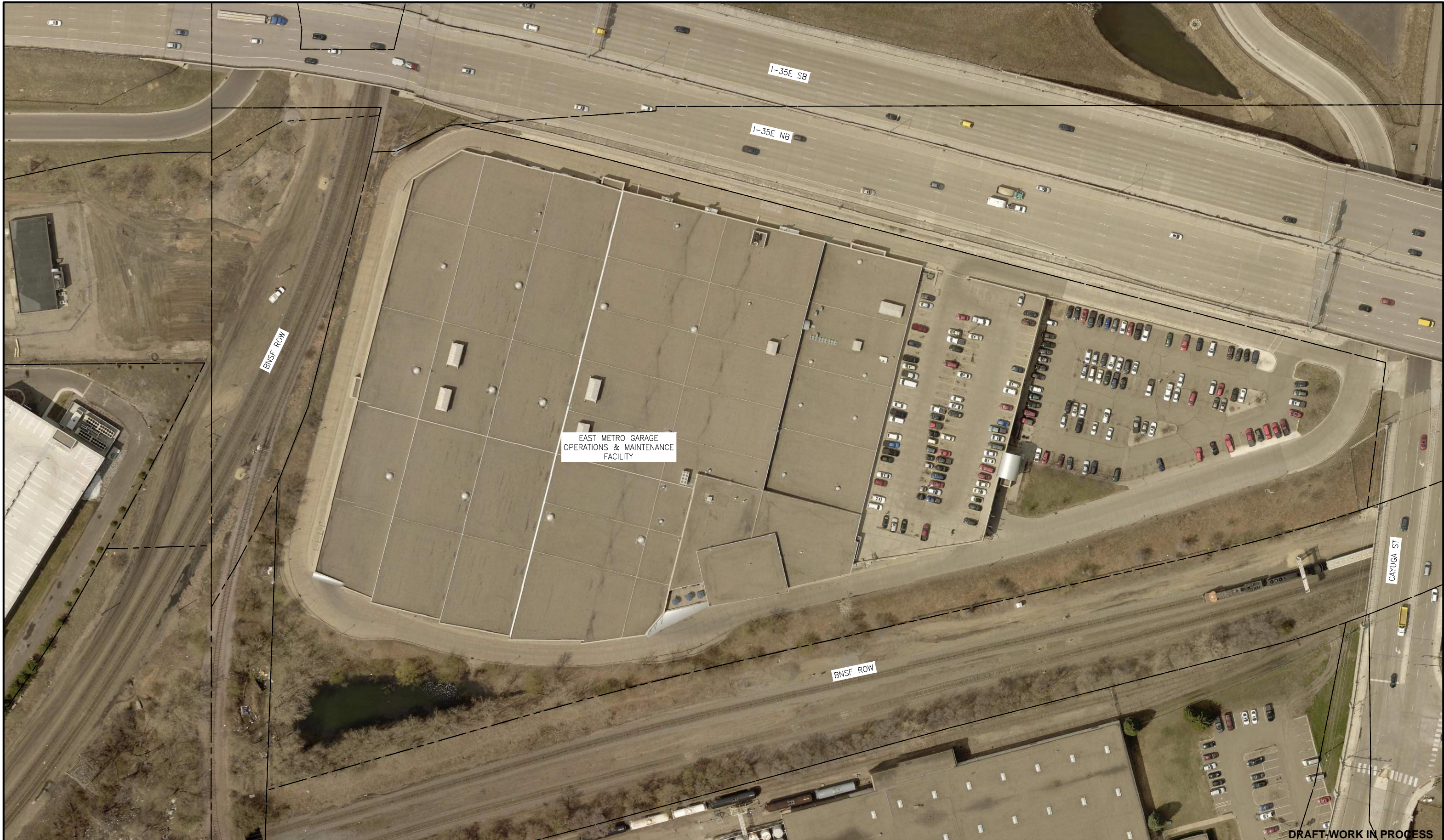
Aug. 05 2020 01:33 pm H: \\Projects\11000\11112\CAD_BIM\Plan\SEG1-OMF-PLAN.dwg By: tborowicz



DRAFT-WORK IN PROCESS

	<h1>RUSH LINE BRT PROJECT</h1> <p>15% PLANS - 08/07/2020 SITE PLAN - UNION DEPOT</p>		 <p>HORIZONTAL</p>			<p>SHEET NO.</p> <p>32</p> <p>OF</p> <p>83</p>
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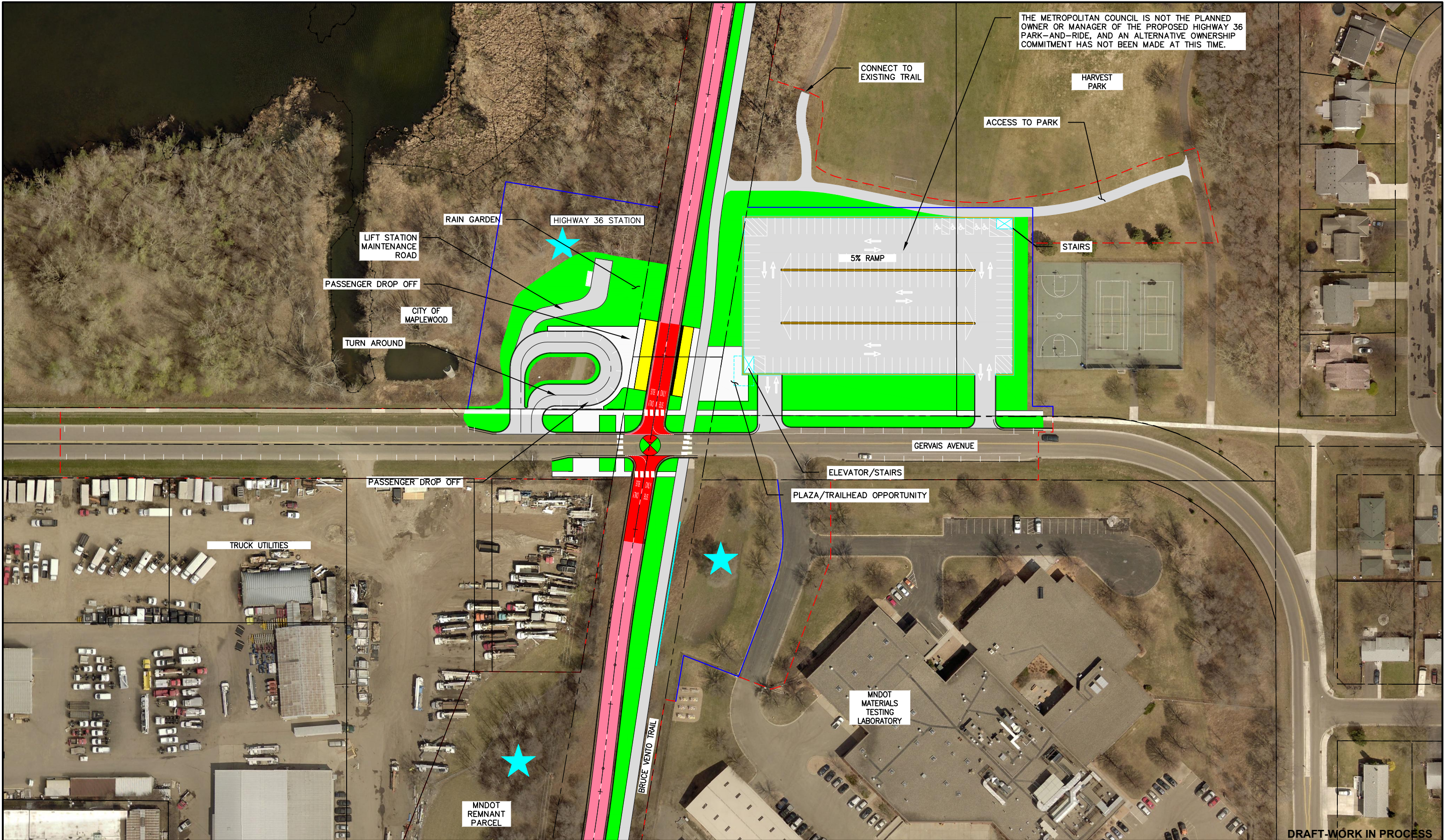
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DRAFT-WORK IN PROCESS

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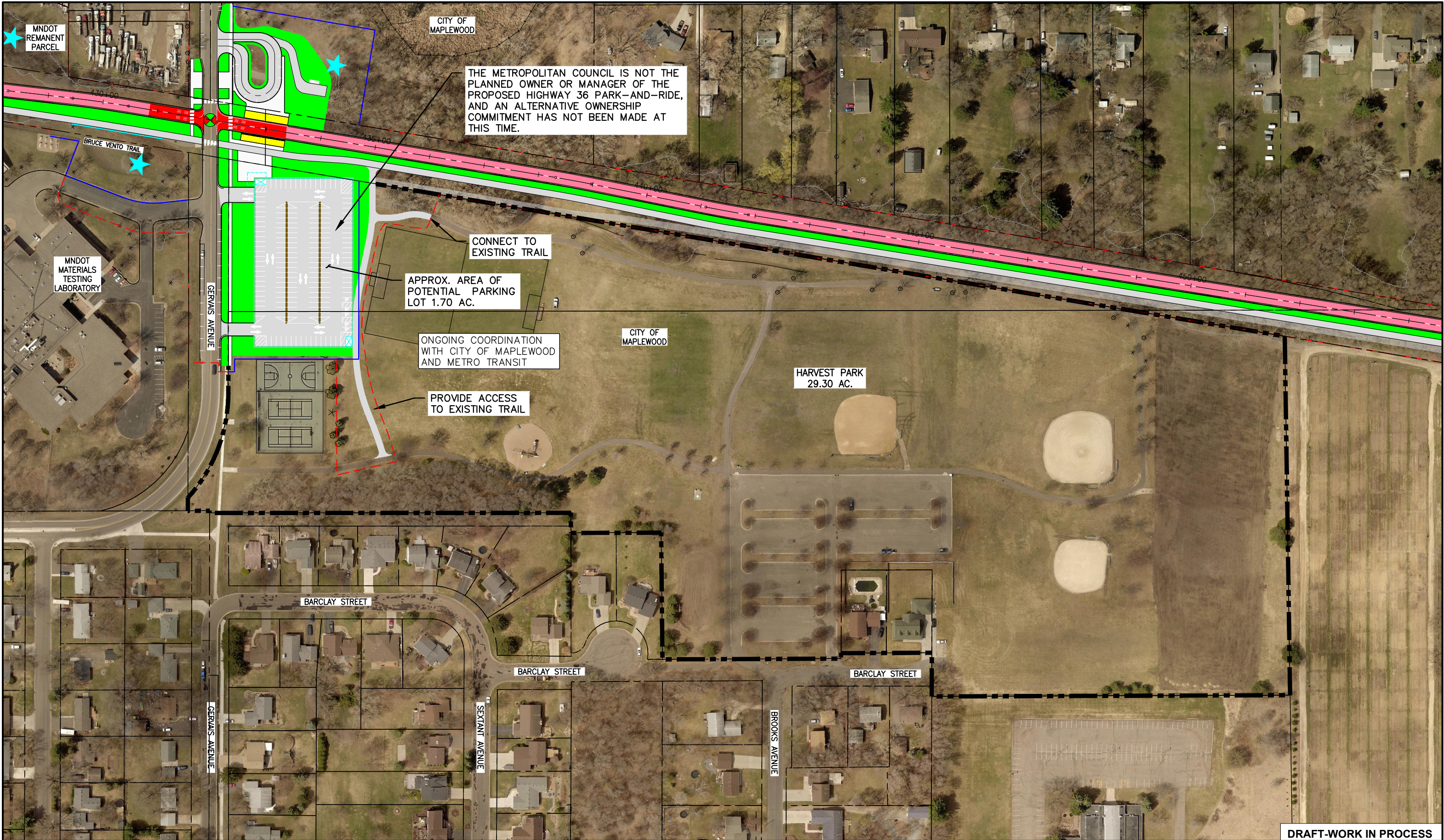
Mar, 11 2021 04:10 pm K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Plan03.dwg By: bob.morjeau




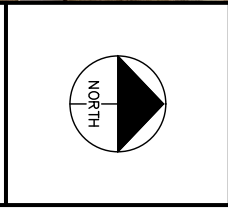
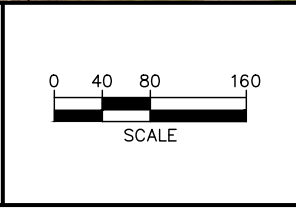


DRAFT-WORK IN PROCESS

	<p>RUSH LINE BRT PROJECT 15% PLANS - 08/07/2020 SITE PLAN - HIGHWAY 36 STATION</p>					<p>SHEET NO. 34 OF 83</p>
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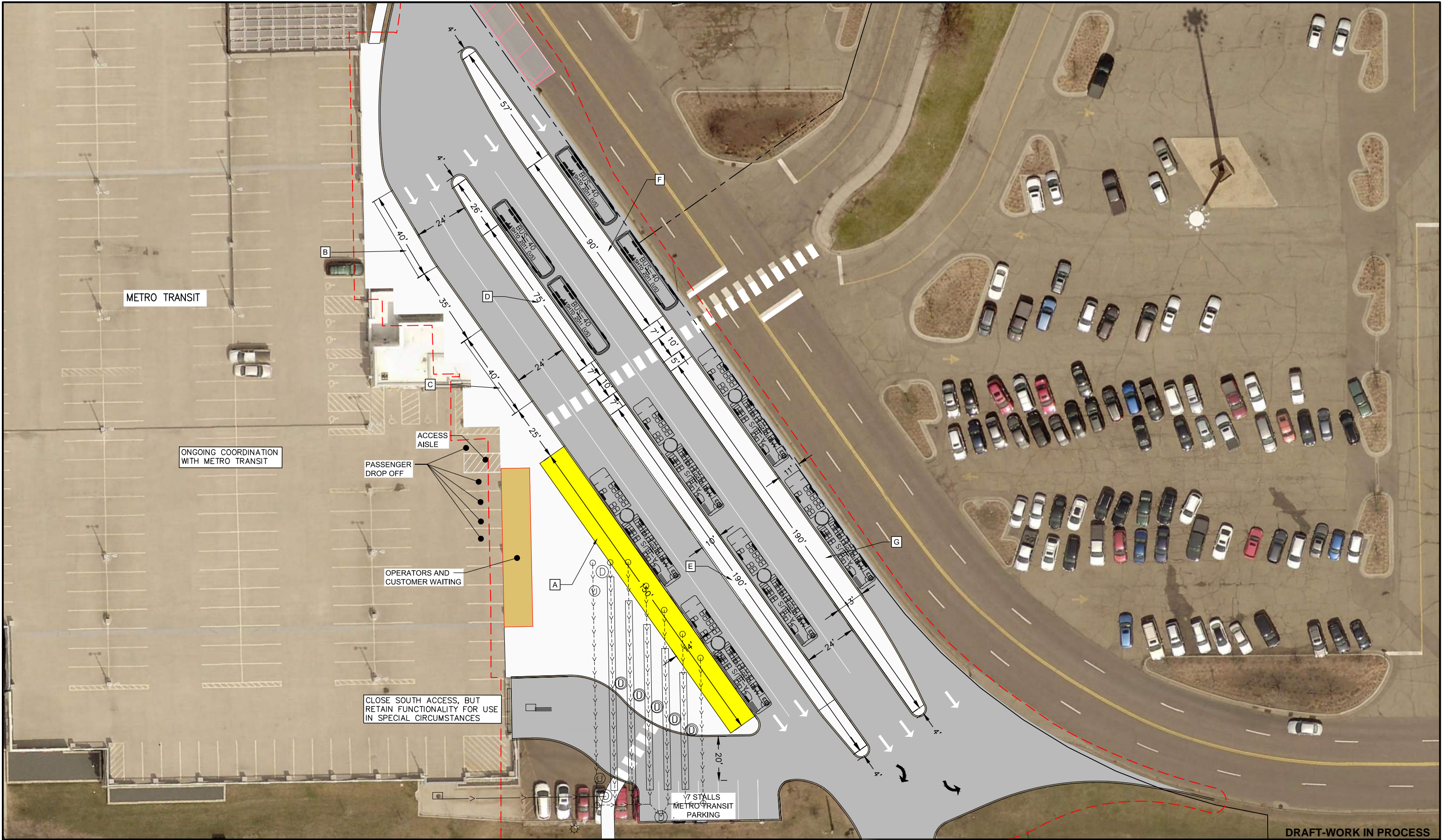
Mon, 11/20/2021 04:13 pm K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Plan06.dwg By: bob.morjeau



DRAFT-WORK IN PROCESS

	<p>RUSH LINE BRT PROJECT 15% PLANS - 08/07/2020 HIGHWAY 36 STATION CONCEPT - HARVEST PARK CONTEXT PLAN</p>					<p>SHEET NO. 35 OF 83</p>
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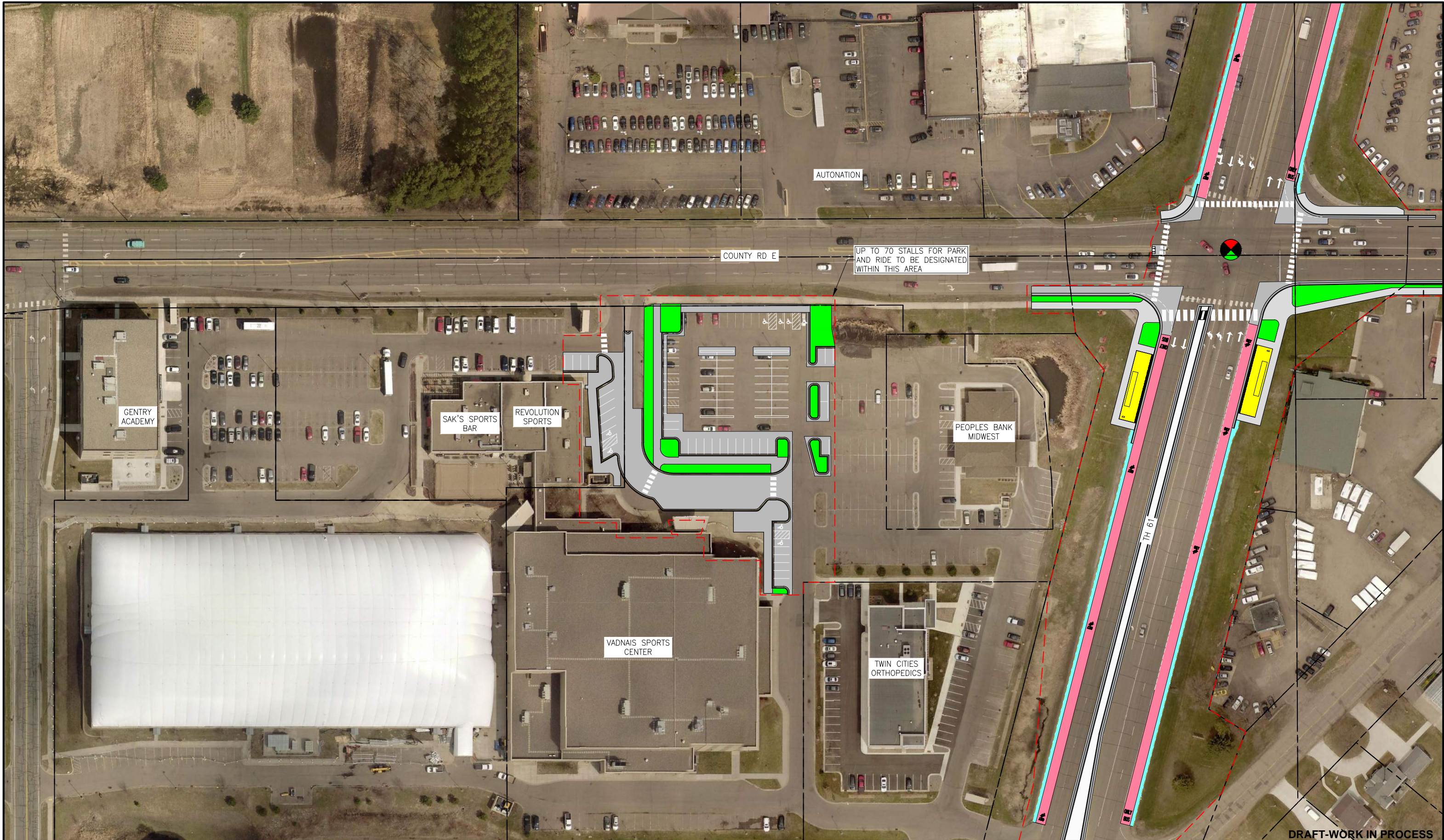
Aug. 04 2020 08:47 am K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Plan05.dwg By: bob.monjeau

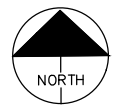
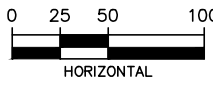




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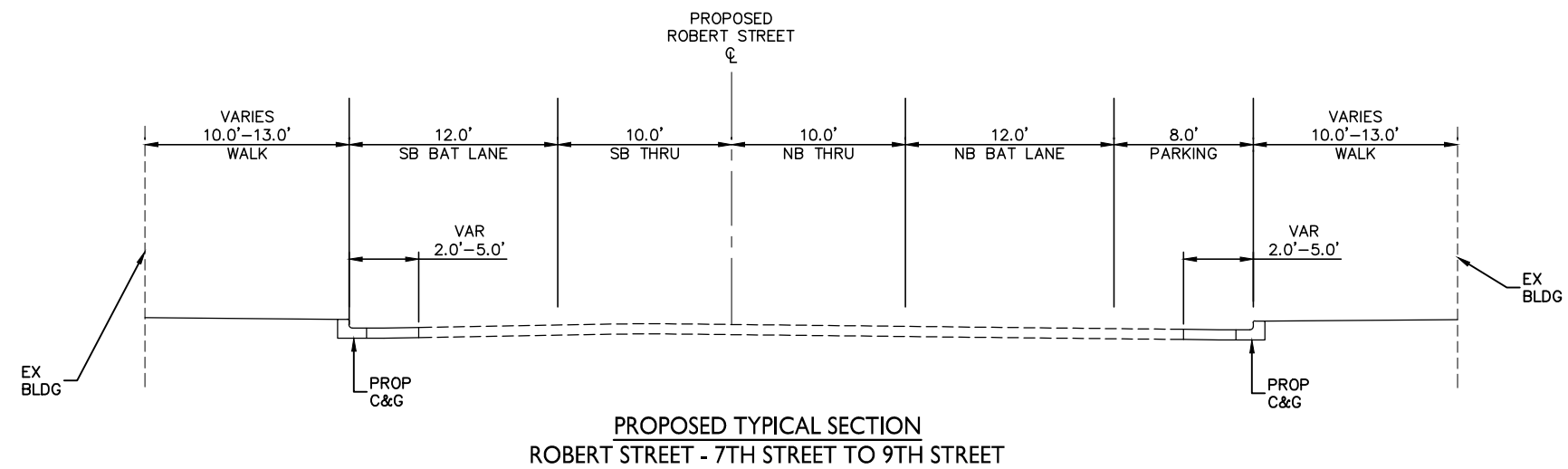
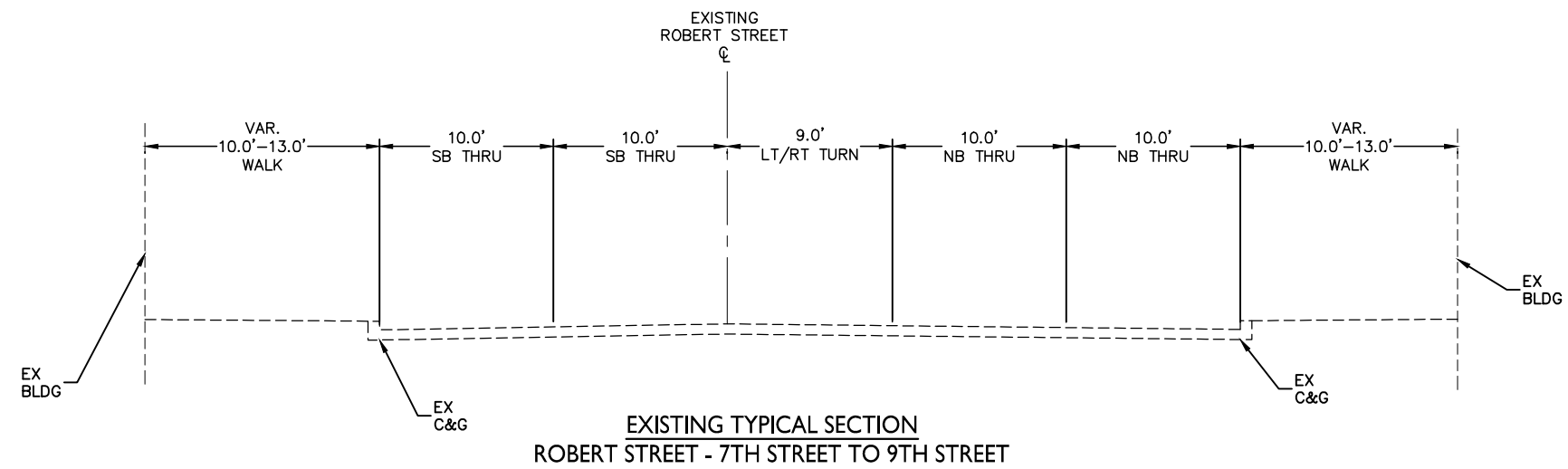
	<div>RUSH LINE BRT PROJECT</div> <div>15% PLANS - 08/07/2020</div> <div>SITE PLAN - MAPLEWOOD MALL TRANSIT STATION</div>	 <div>NORTH</div>	 <div>HORIZONTAL</div>	 <div>RAMSEY COUNTY</div>		<div>SHEET NO.</div> <div>36</div> <div>OF</div> <div>83</div>
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Aug. 05 2020 01:36 pm H: \\Projects\\11000\\11112\\CAD_BIM\\Plan\\SEG1-OMF-PLAN.dwg By: tborowicz



	<h1>RUSH LINE BRT PROJECT</h1> <p>15% PLANS - 08/07/2020 SITE PLAN - COUNTY ROAD E PARK AND RIDE</p>	 <p>NORTH</p>	 <p>0 25 50 100 HORIZONTAL</p>	 <p>RAMSEY COUNTY</p>	 <p>Kimley-Horn SRH Consulting Group, Inc.</p>	<p>SHEET NO. 37 OF 83</p>
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Aug. 04 2020 10:59 am H:\Projects\11000\11112\CAD_BIM\Plan\SEGX-CIV-TYP.dwg By: tborowicz

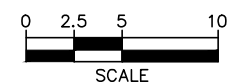


DRAFT-WORK IN PROCESS



RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS



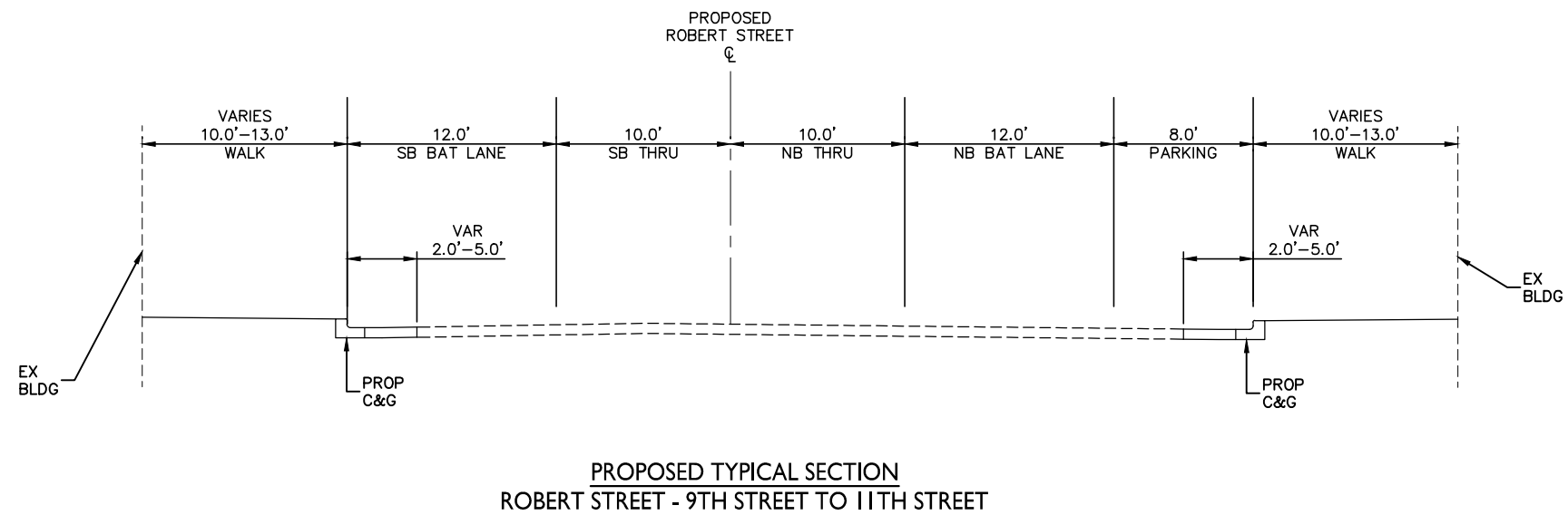
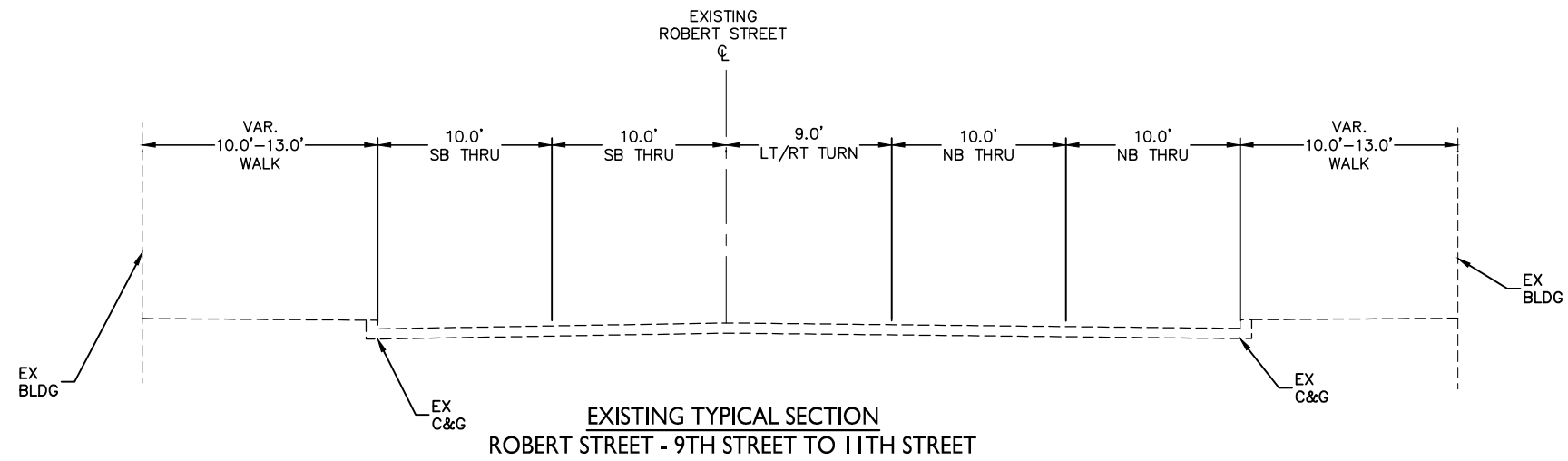
SHEET NO.

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OF

83

Aug. 04 2020 10:59 am H:\Projects\11000\11112\CAD_BIM\Plan\SEGX-CIV-TYP.dwg By: tborowicz

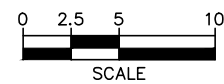


DRAFT-WORK IN PROCESS



RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS



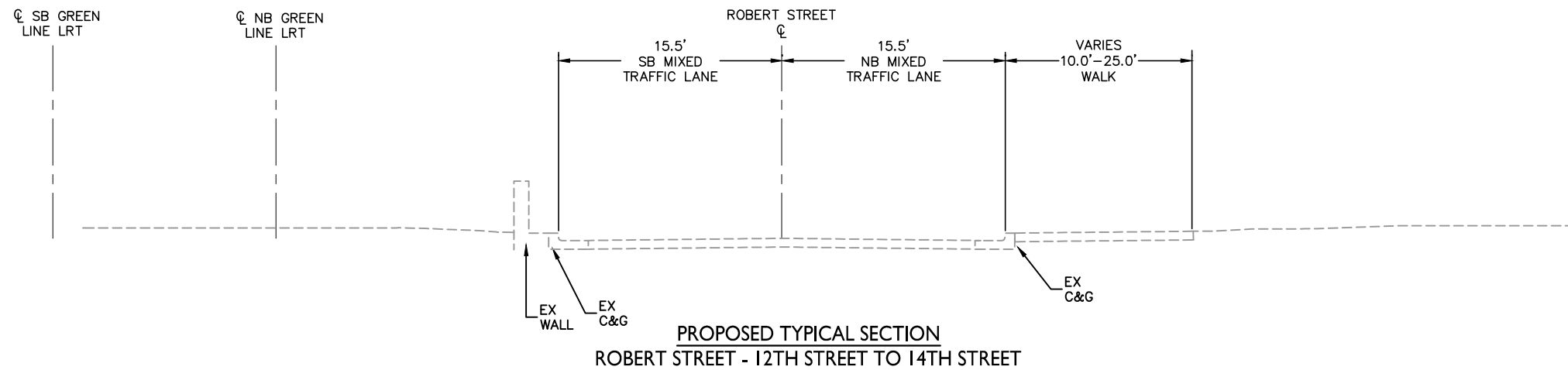
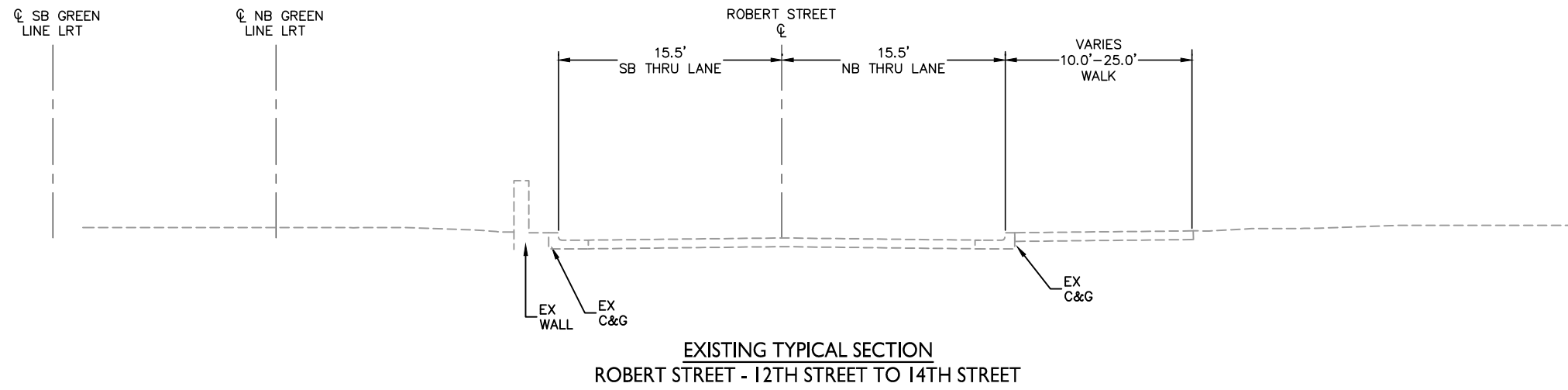
SHEET NO.

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83

Aug. 04 2020 10:59 am H:\Projects\11000\11112\CAD_BIM\Plan\SEGX-CIV-TYP.dwg By: tborowicz

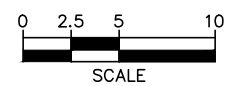


DRAFT-WORK IN PROCESS



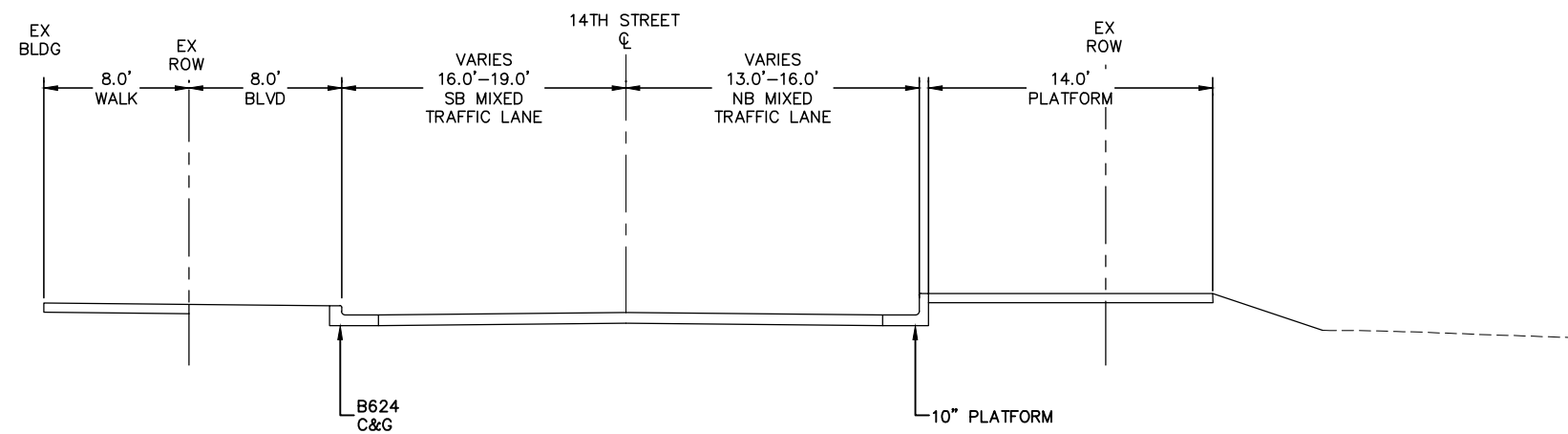
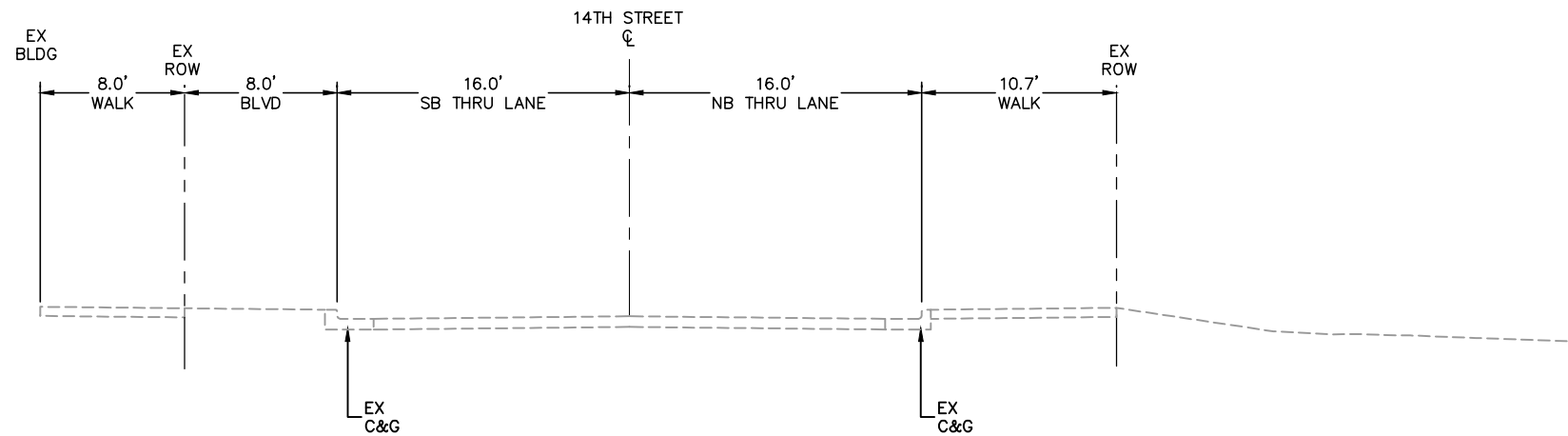
RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS



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40
OF
83

Aug. 04 2020 10:59 am H:\Projects\11000\11112\CAD_BIM\Plan\SEGX-CIV-TYP.dwg By: tborowicz

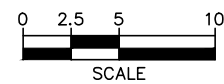


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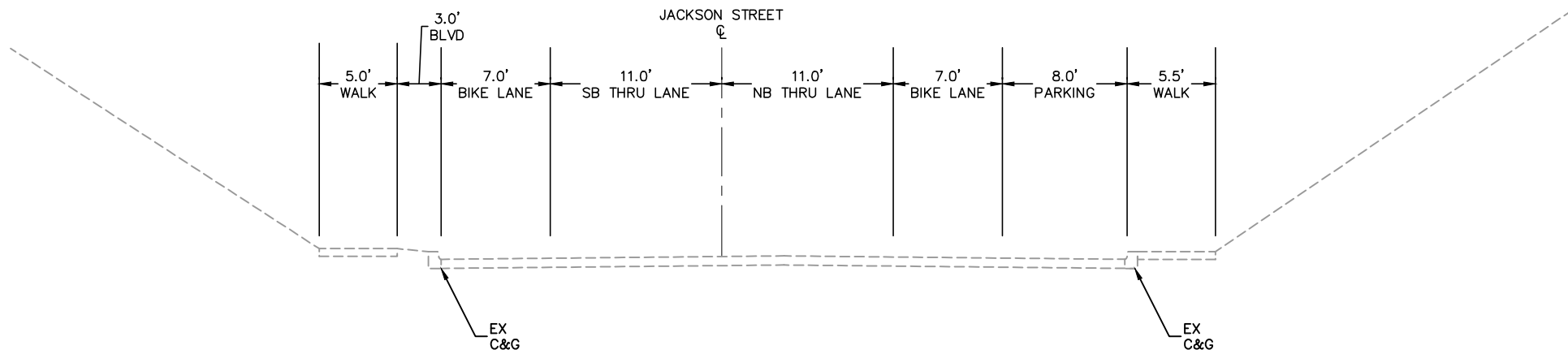
RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS

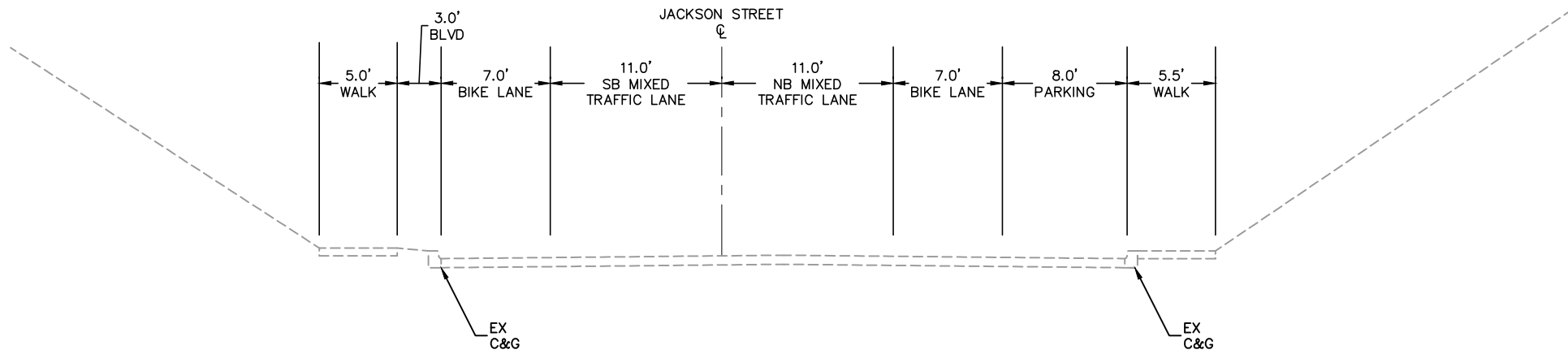


SHEET NO.
41
OF
83

Aug. 04 2020 10:59 am H:\Projects\11000\11112\CAD_BIM\Plan\SEGX-CIV-TYP.dwg By: tborowicz



EXISTING TYPICAL SECTION
JACKSON STREET - UNIVERSITY AVENUE TO MT. AIRY STREET STATION

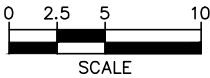


PROPOSED TYPICAL SECTION
JACKSON STREET - UNIVERSITY AVENUE TO MT. AIRY STREET STATION

DRAFT-WORK IN PROCESS

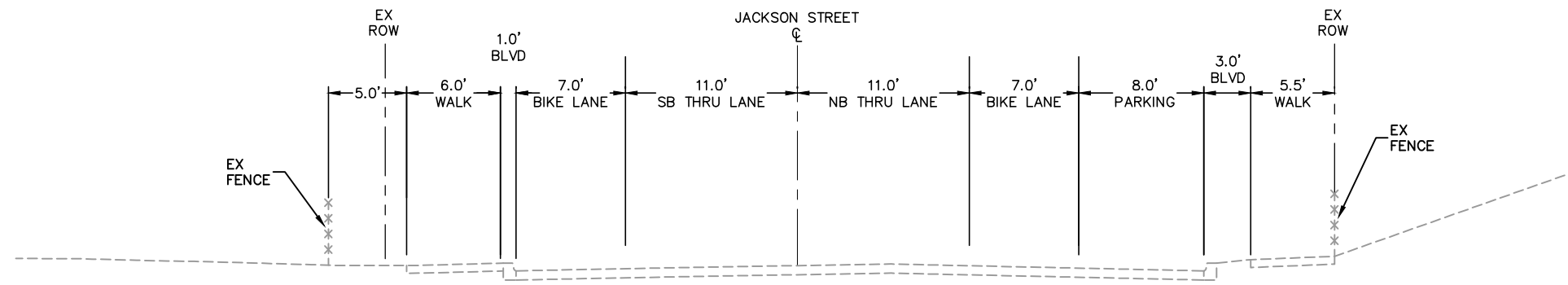


RUSH LINE BRT PROJECT
15% PLANS - 08/07/2020
TYPICAL SECTIONS

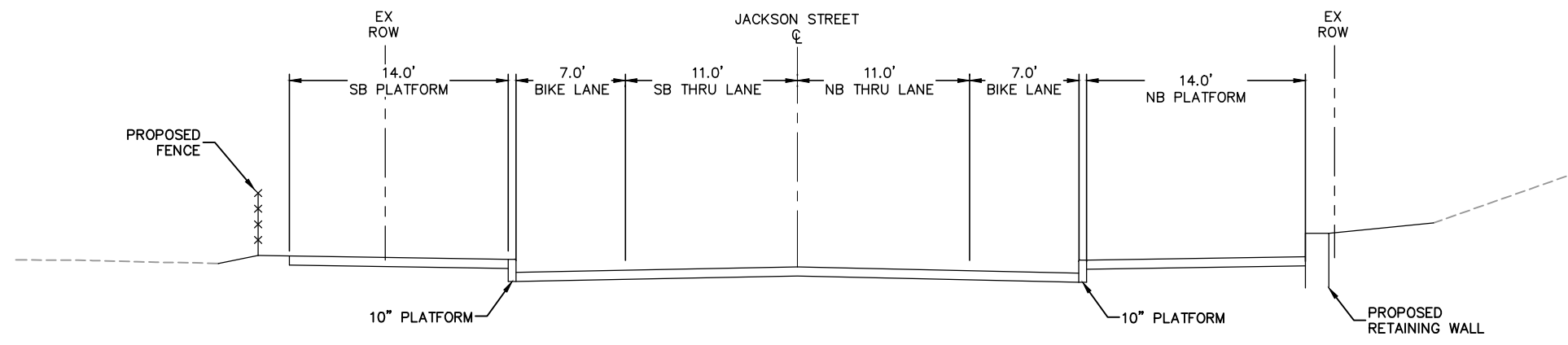


SHEET NO.
42
OF
83

Aug. 04 2020 10:59 am H:\Projects\11000\11112\CAD_BIM\Plan\SEGX-CIV-TYP.dwg By: tborowicz



EXISTING TYPICAL SECTION
JACKSON STREET - MT. AIRY STREET STATION



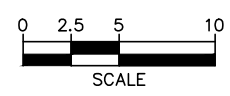
PROPOSED TYPICAL SECTION
JACKSON STREET - MT. AIRY STREET STATION

DRAFT-WORK IN PROCESS

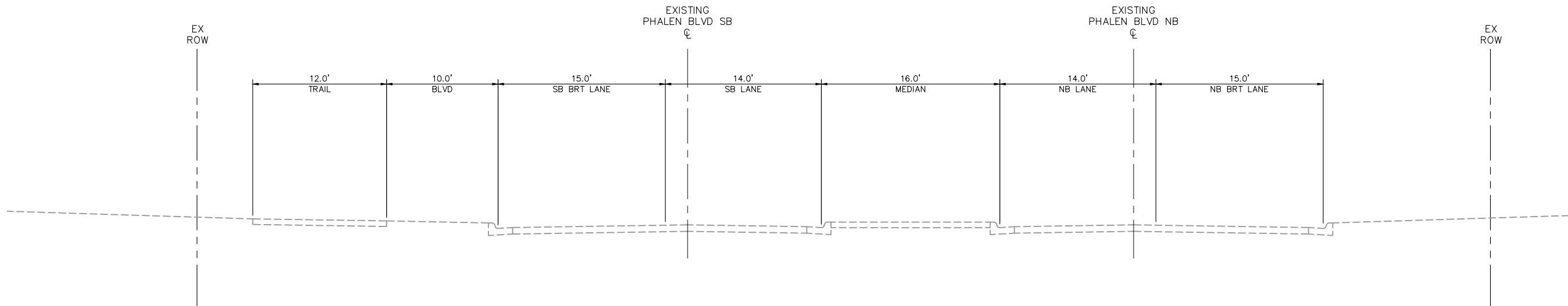
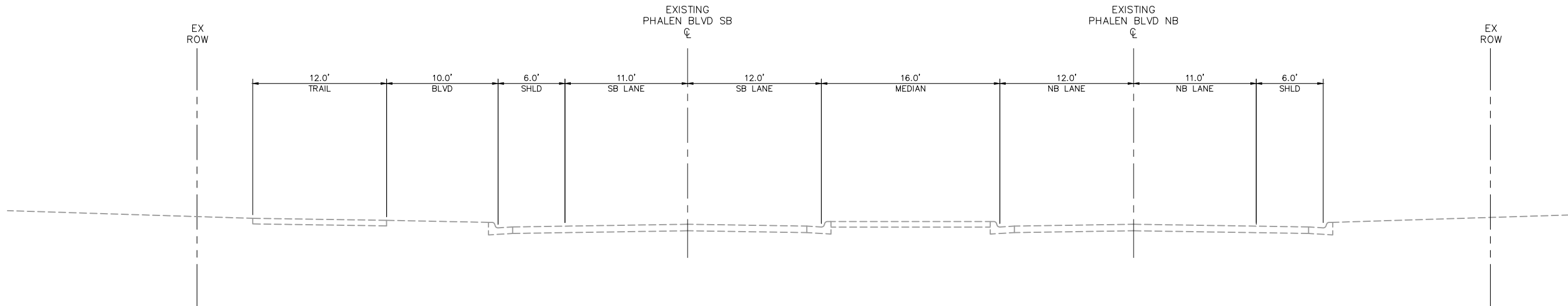


RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS



Aug. 04 2020 08:49 am K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Typ 01.dwg By: bob.monjeau

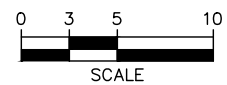


DRAFT-WORK IN PROCESS



RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS



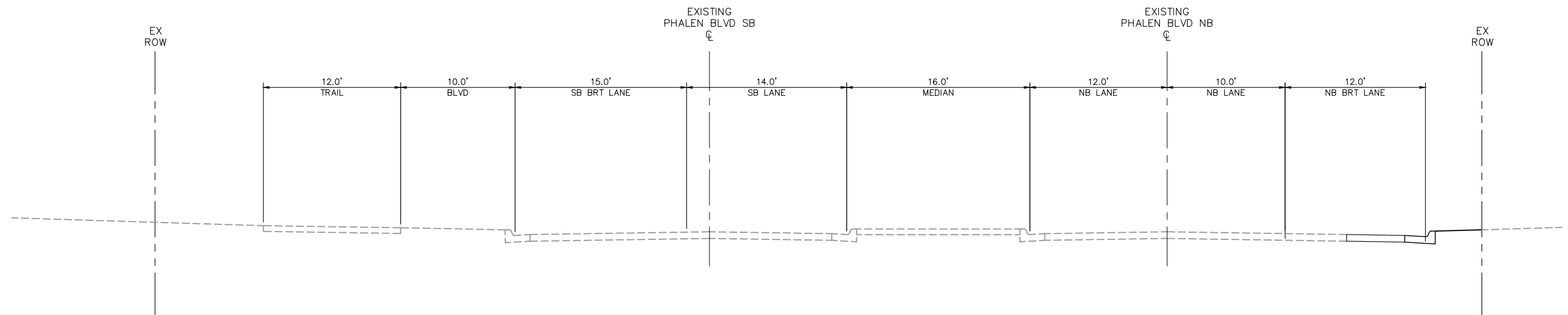
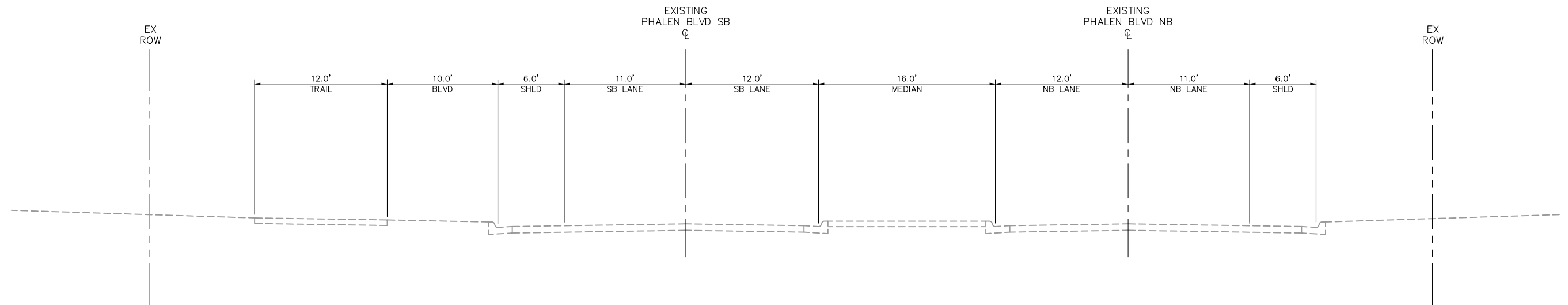
SHEET NO.

44

OF

83

Aug. 04 2020 08:49 am K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Typ 02.dwg By: bob.monjeau

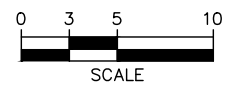


DRAFT-WORK IN PROCESS



RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS



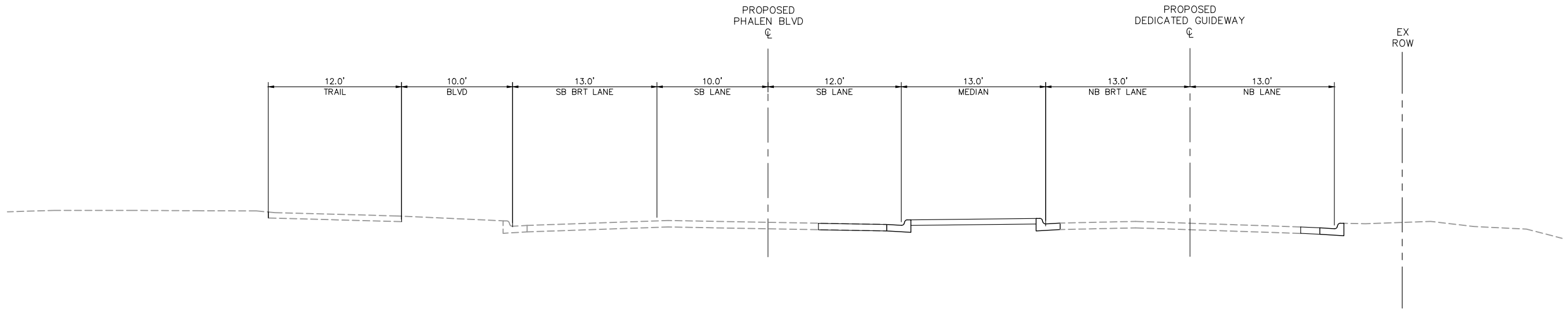
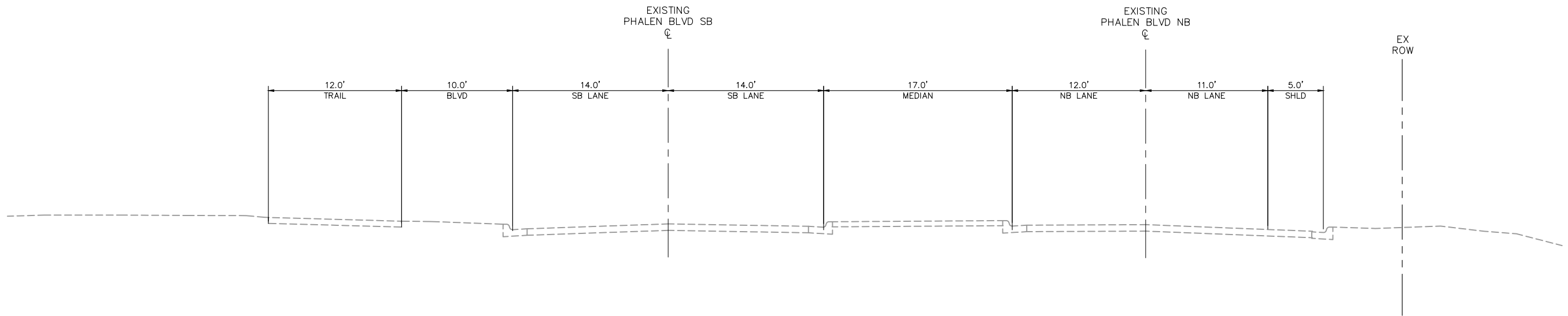
SHEET NO.

45

OF

83

Aug. 04 2020 08:50 am K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Typ 03.dwg By: bob.monjeau

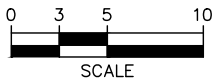


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RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS



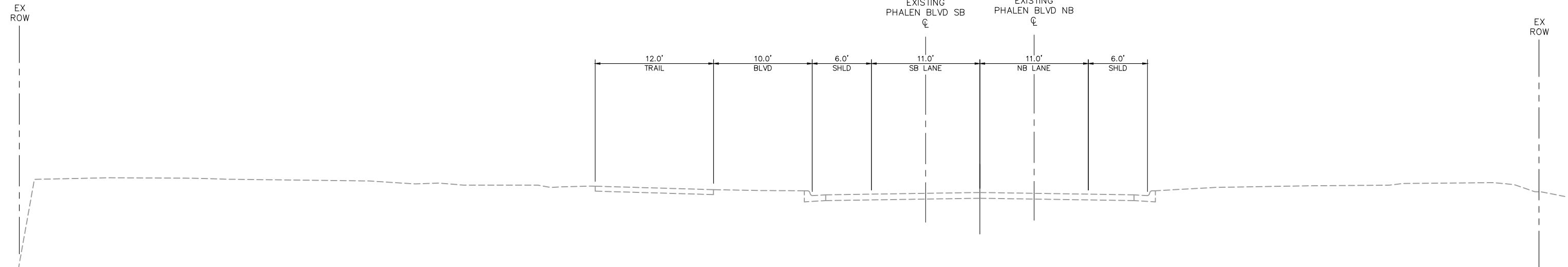
SHEET NO.

46

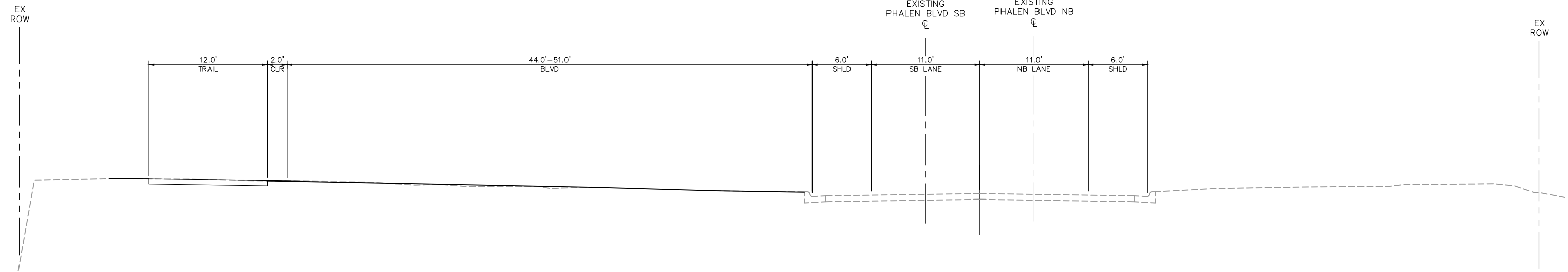
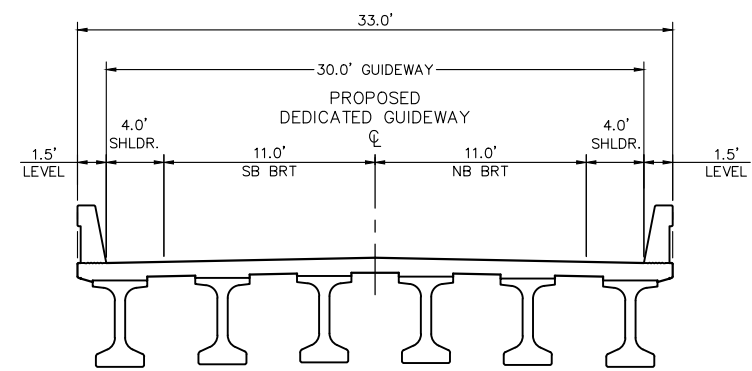
OF

83

Aug. 04 2020 08:50 am K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Typ 04.dwg By: bob.monjeau



EXISTING TYPICAL SECTION
PHALEN BOULEVARD - ON STRUCTURE EAST OF ARCADE STREET

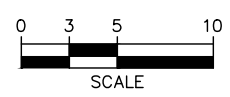


PROPOSED TYPICAL SECTION
PHALEN BOULEVARD - ON STRUCTURE EAST OF ARCADE STREET

DRAFT-WORK IN PROCESS



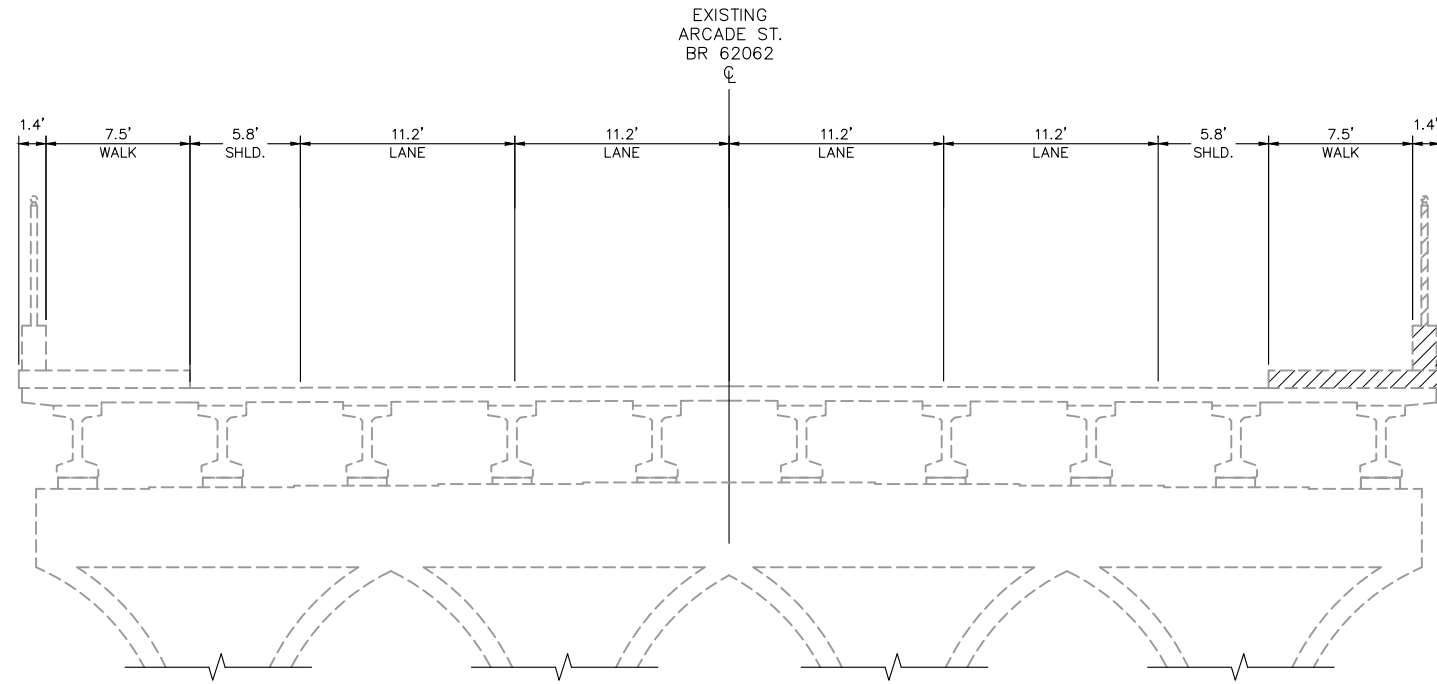
RUSH LINE BRT PROJECT
15% PLANS - 08/07/2020
TYPICAL SECTIONS



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OF
83

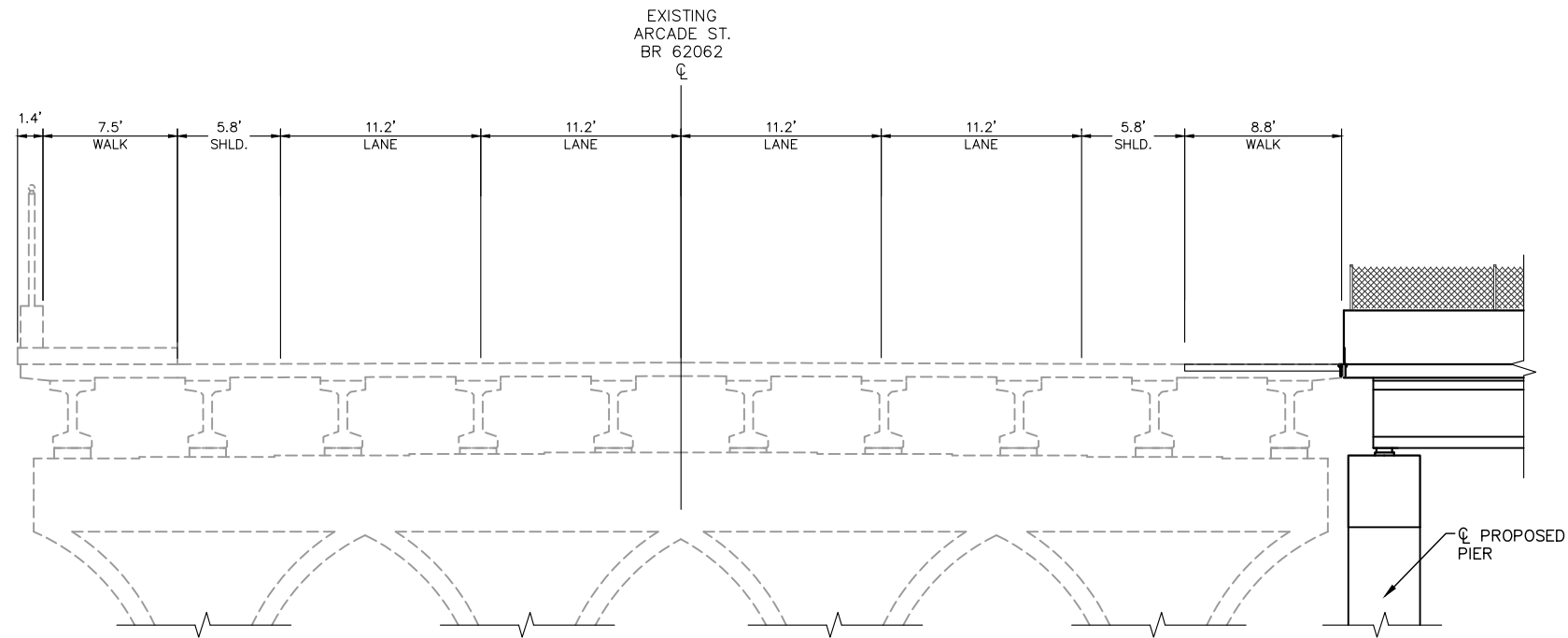
Aug. 04 2020 08:50 am K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Typ 04A.dwg By: bob.monjeau

EX
ROW



EX
ROW

EX
ROW

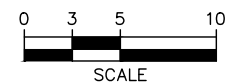


EX
ROW



RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS



DRAFT-WORK IN PROCESS

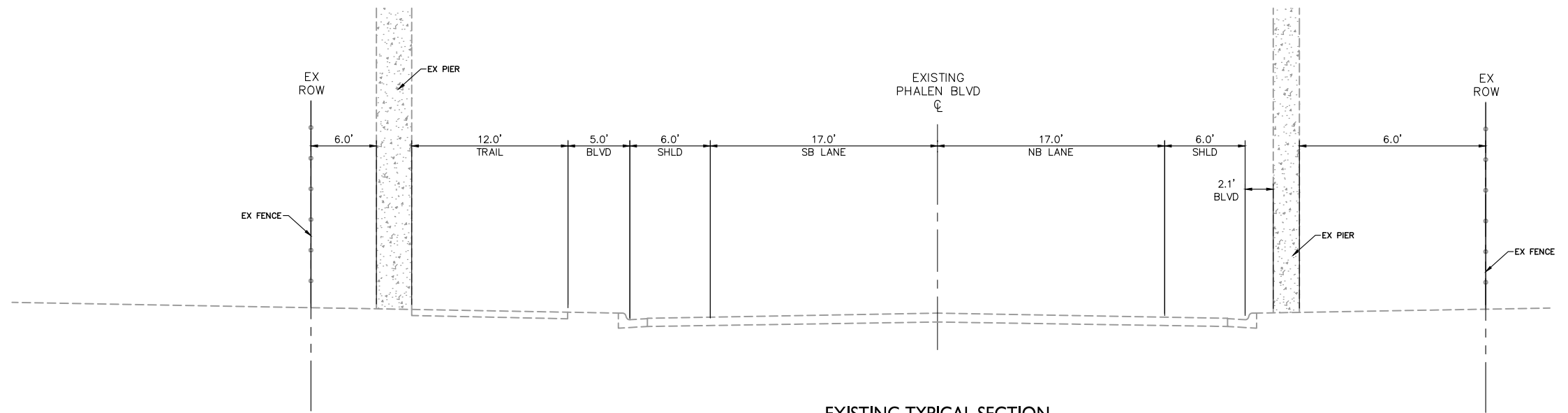
SHEET NO.

48

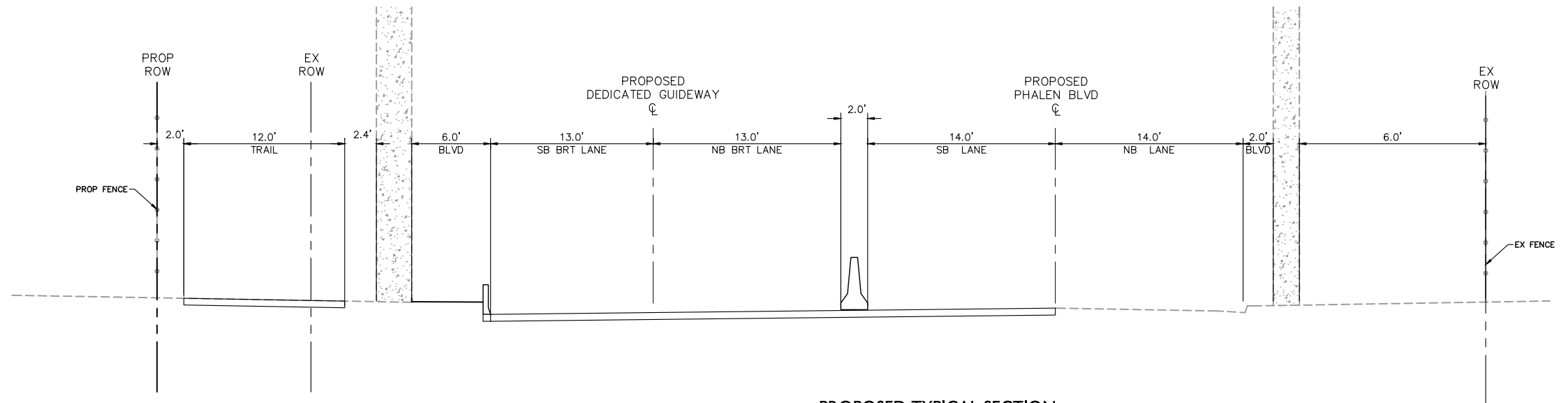
OF

83

Aug. 04 2020 08:51 am K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Typ 05.dwg By: bob.monjeau



EXISTING TYPICAL SECTION
PHALEN BOULEVARD - FOREST STREET UNDERPASS



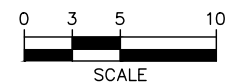
PROPOSED TYPICAL SECTION
PHALEN BOULEVARD - FOREST STREET UNDERPASS

DRAFT-WORK IN PROCESS



RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS



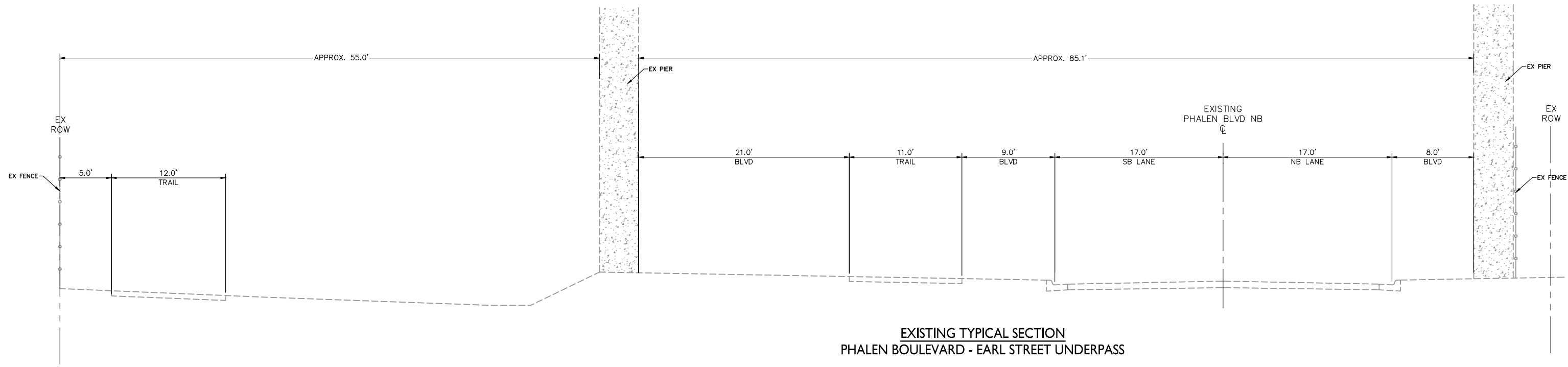
SHEET NO.

49

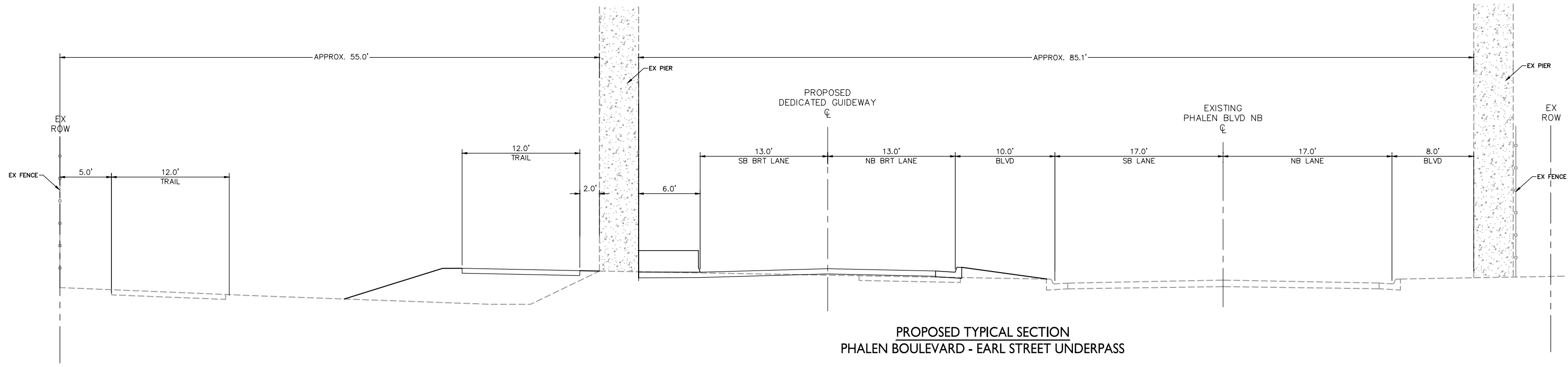
OF

83

Aug. 04 2020 08:51 am K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Typ 06.dwg By: bob.monjeau



EXISTING TYPICAL SECTION
PHALEN BOULEVARD - EARL STREET UNDERPASS

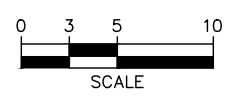


PROPOSED TYPICAL SECTION
PHALEN BOULEVARD - EARL STREET UNDERPASS

DRAFT-WORK IN PROCESS

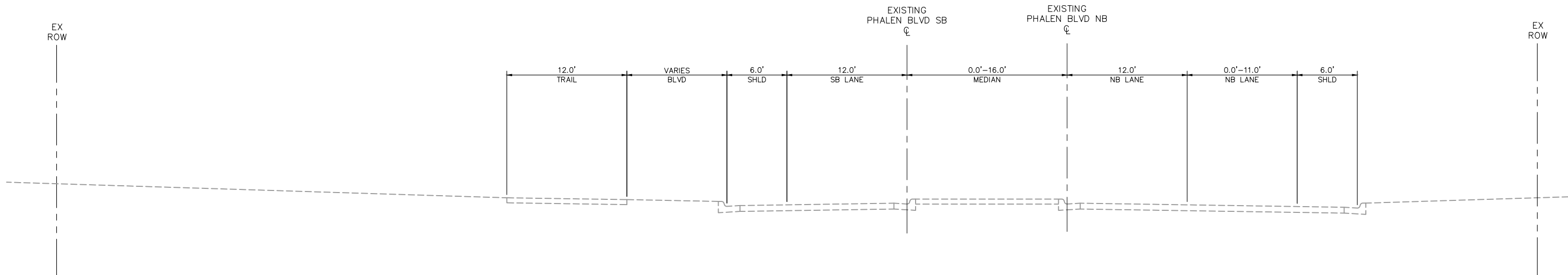


RUSH LINE BRT PROJECT
15% PLANS - 08/07/2020
TYPICAL SECTIONS

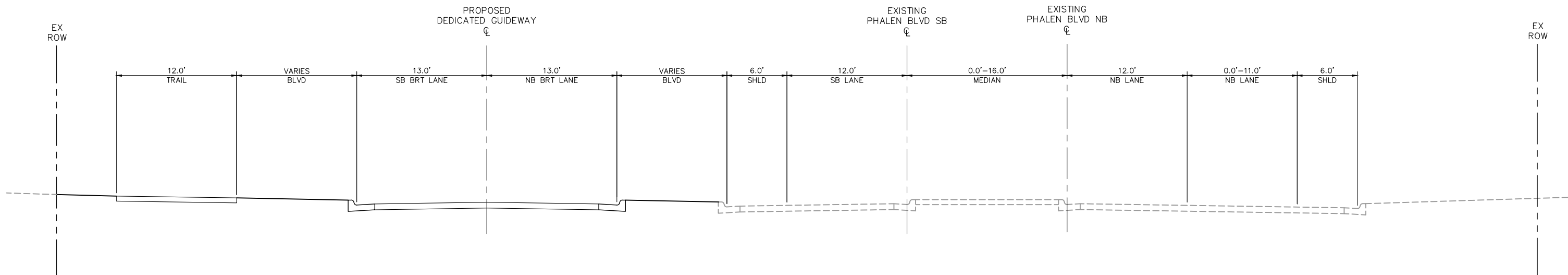


SHEET NO.
50
OF
83

Aug. 04 2020 08:51 am K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Typ 07.dwg By: bob.monjeau



EXISTING TYPICAL SECTION
PHALEN BOULEVARD - ARCADE STREET TO JOHNSON PARKWAY

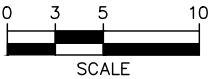


PROPOSED TYPICAL SECTION
PHALEN BOULEVARD - ARCADE STREET TO JOHNSON PARKWAY

DRAFT-WORK IN PROCESS



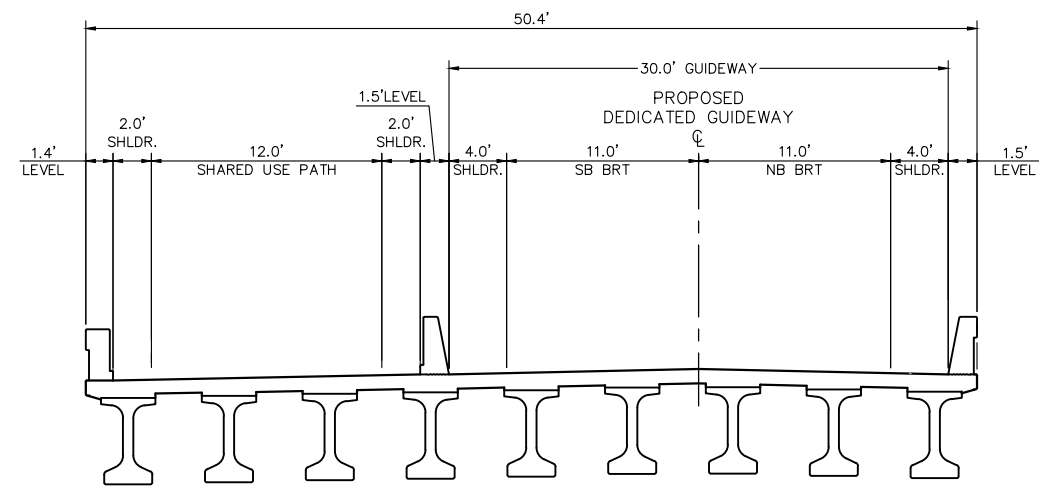
RUSH LINE BRT PROJECT
15% PLANS - 08/07/2020
TYPICAL SECTIONS



SHEET NO.

51
OF
83

Aug. 04 2020 08:51 am K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Typ 08.dwg By: bob.monjeau



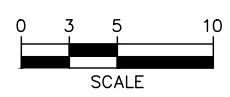
PROPOSED TYPICAL SECTION
PHALEN BOULEVARD/BRUCE VENTO REGIONAL TRAIL - JOHNSON PARKWAY BRIDGE

DRAFT-WORK IN PROCESS

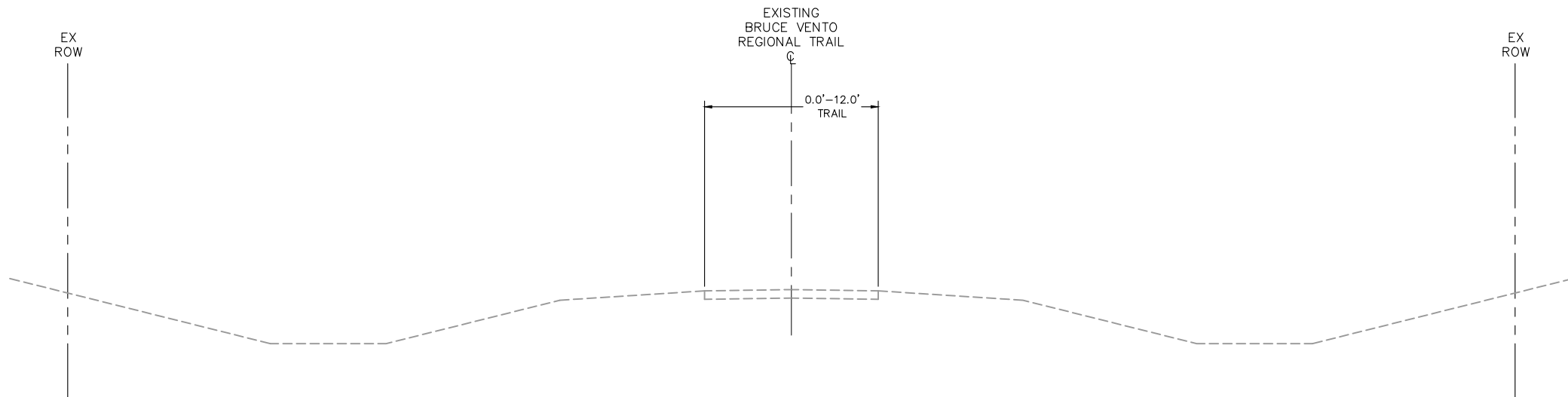


RUSH LINE BRT PROJECT

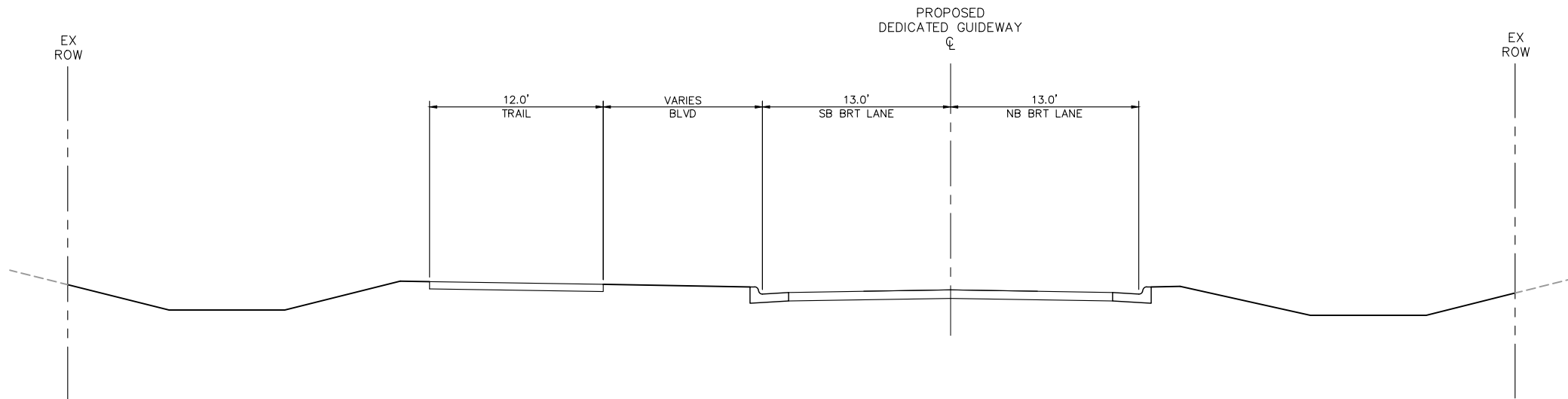
15% PLANS - 08/07/2020
TYPICAL SECTIONS



SHEET NO.
52
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83



EXISTING TYPICAL SECTION
BRUCE VENTO REGIONAL TRAIL - JOHNSON PARKWAY TO LARPENITEUR AVENUE

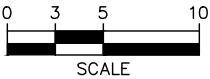


PROPOSED TYPICAL SECTION
BRUCE VENTO REGIONAL TRAIL - JOHNSON PARKWAY TO LARPENITEUR AVENUE

DRAFT-WORK IN PROCESS

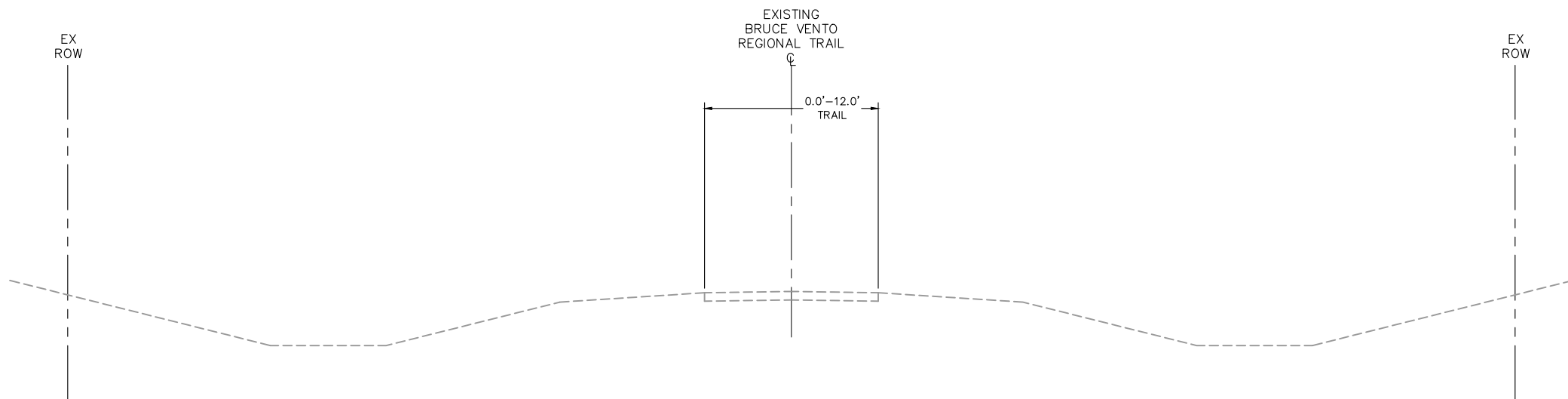


RUSH LINE BRT PROJECT
15% PLANS - 08/07/2020
TYPICAL SECTIONS

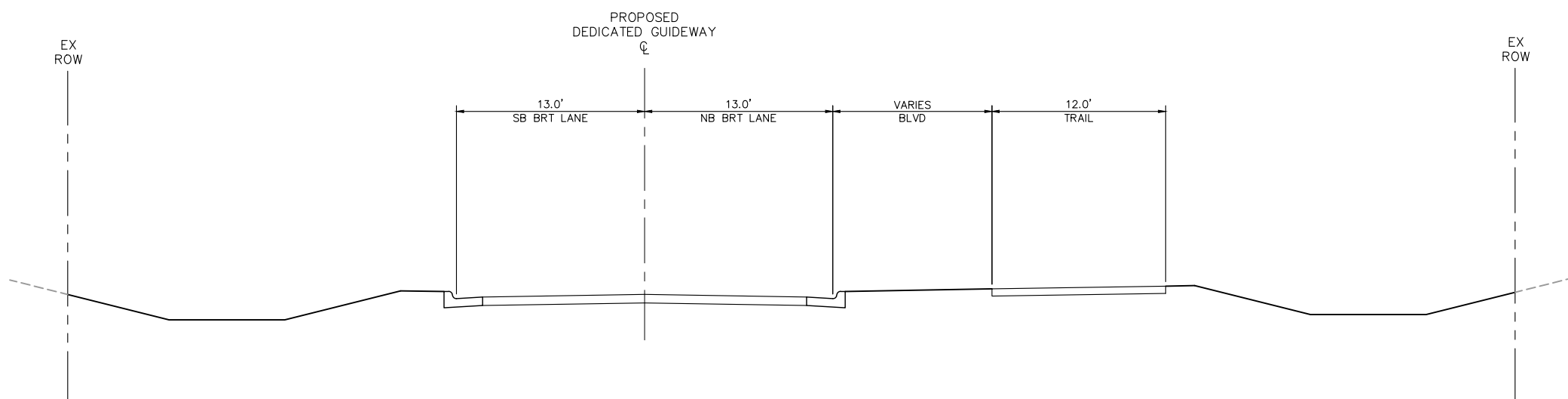


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Aug. 04 2020 08:52 am K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Typ 09.dwg By: bob.monjeau



EXISTING TYPICAL SECTION
BRUCE VENTO REGIONAL TRAIL - LARPENTEUR AVENUE TO TH 36



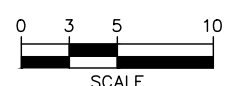
PROPOSED TYPICAL SECTION
BRUCE VENTO REGIONAL TRAIL - LARPENTEUR AVENUE TO TH 36

DRAFT-WORK IN PROCESS



RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS

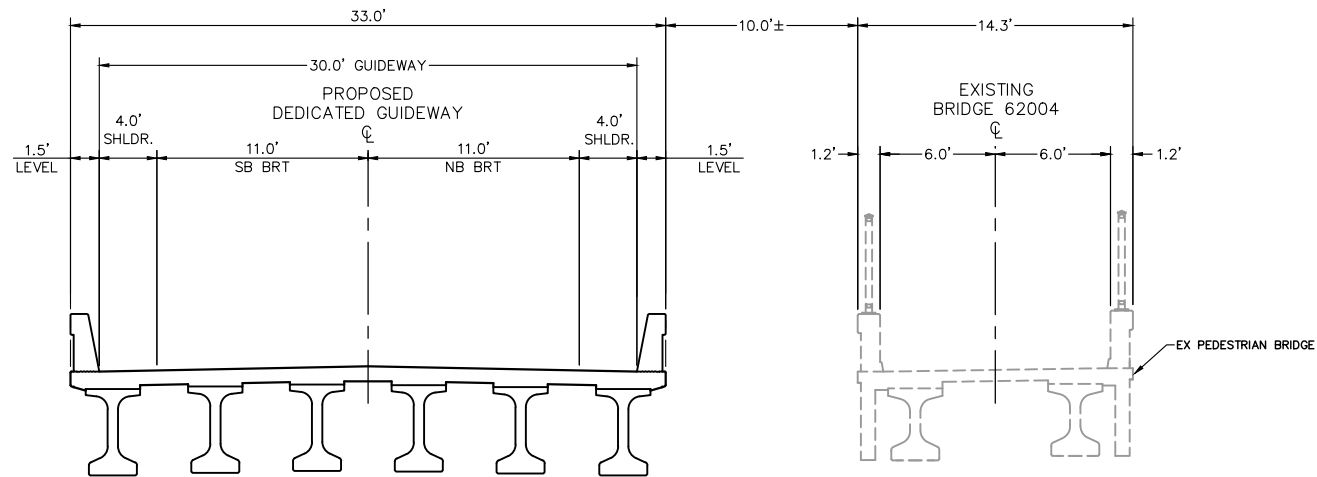


SHEET NO.

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OF
83

Aug. 04 2020 08:52 am K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Typ 10.dwg By: bob.monjeau

Aug. 04 2020 08:52 am K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Typ 11.dwg By: bob.monjeau



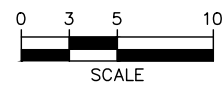
PROPOSED TYPICAL SECTION
BRUCE VENTO REGIONAL TRAIL - TH 36 BRIDGE

DRAFT-WORK IN PROCESS



RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS

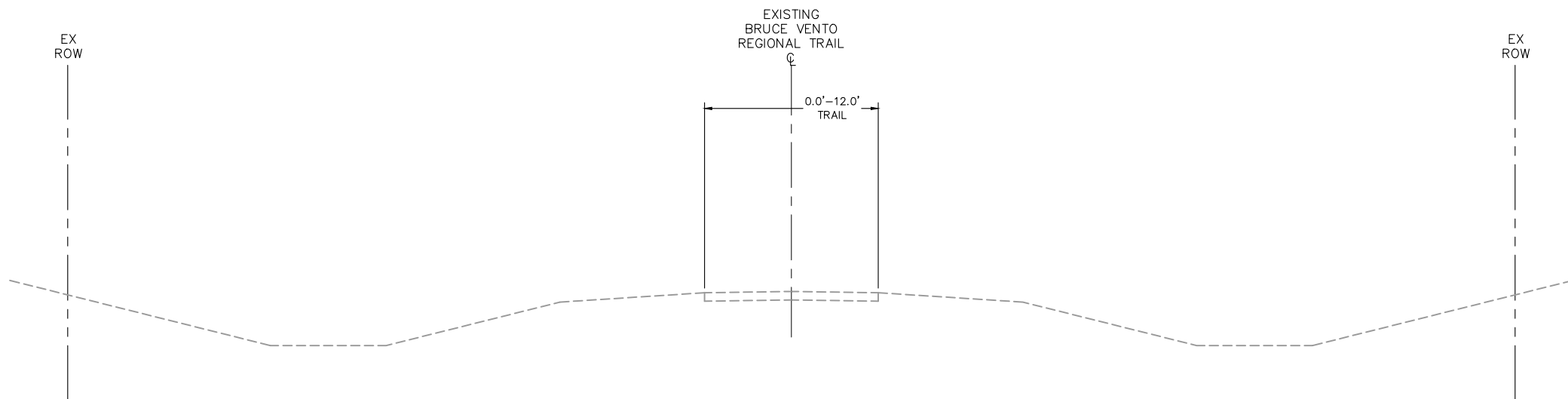


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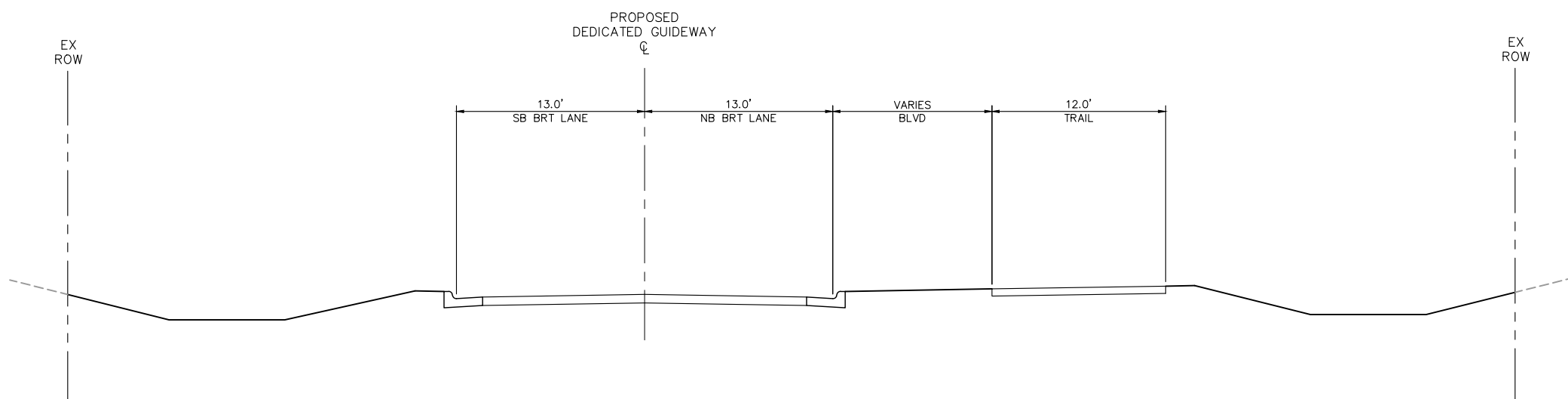
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83



EXISTING TYPICAL SECTION
BRUCE VENTO REGIONAL TRAIL - TH 36 AVENUE TO BEAM AVENUE

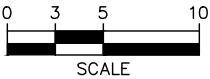


PROPOSED TYPICAL SECTION
BRUCE VENTO REGIONAL TRAIL - TH 36 TO BEAM AVENUE

DRAFT-WORK IN PROCESS



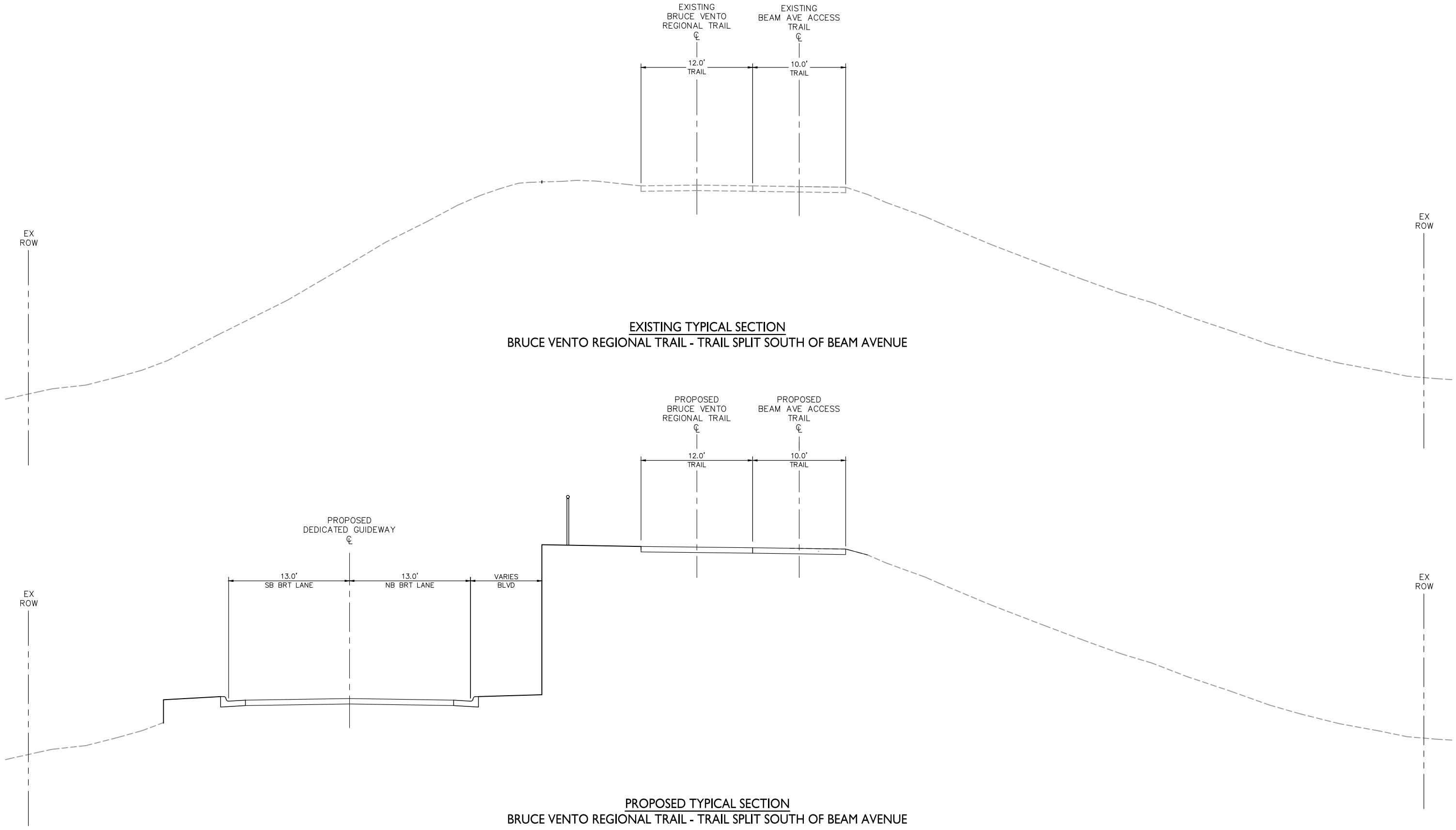
RUSH LINE BRT PROJECT
15% PLANS - 08/07/2020
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Aug. 04 2020 08:53 am K:\TWC_Transit\RCRRA\Rush Line EA\CAD\Plan Sheets\11112_Typ 12.dwg By: bob.monjeau

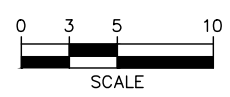
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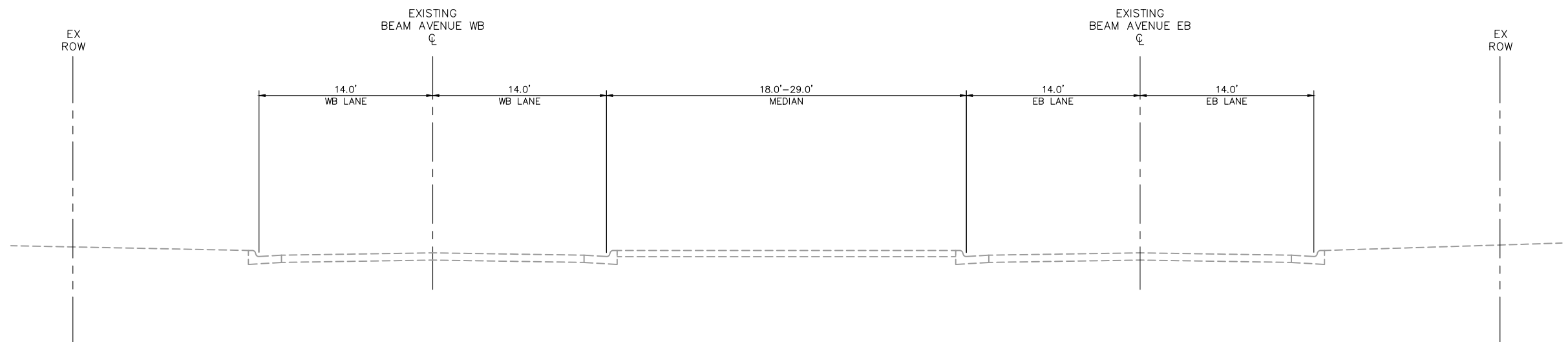
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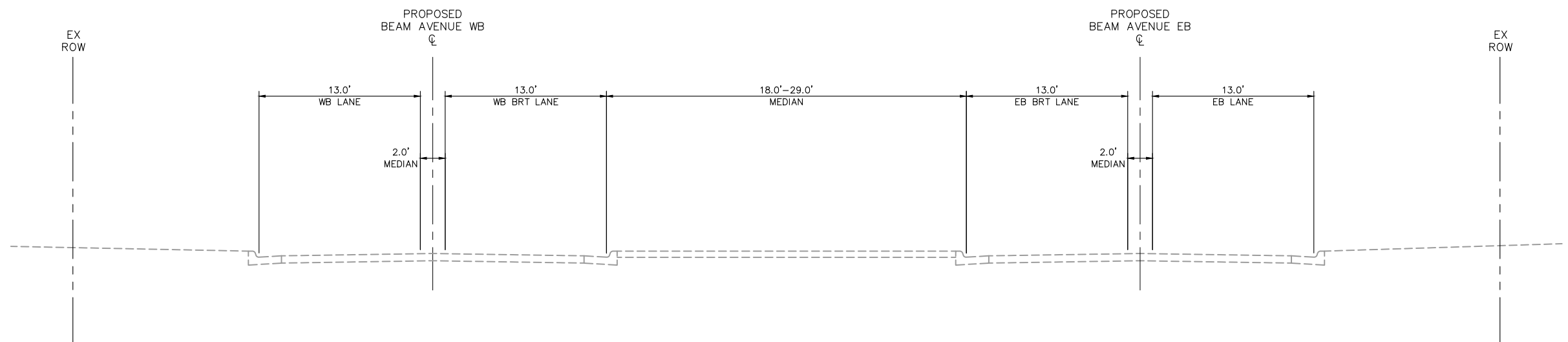
RUSH LINE BRT PROJECT
15% PLANS - 08/07/2020
TYPICAL SECTIONS



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EXISTING TYPICAL SECTION
BEAM AVENUE



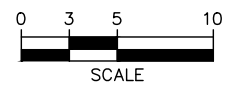
PROPOSED TYPICAL SECTION
BEAM AVENUE

DRAFT-WORK IN PROCESS



RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS



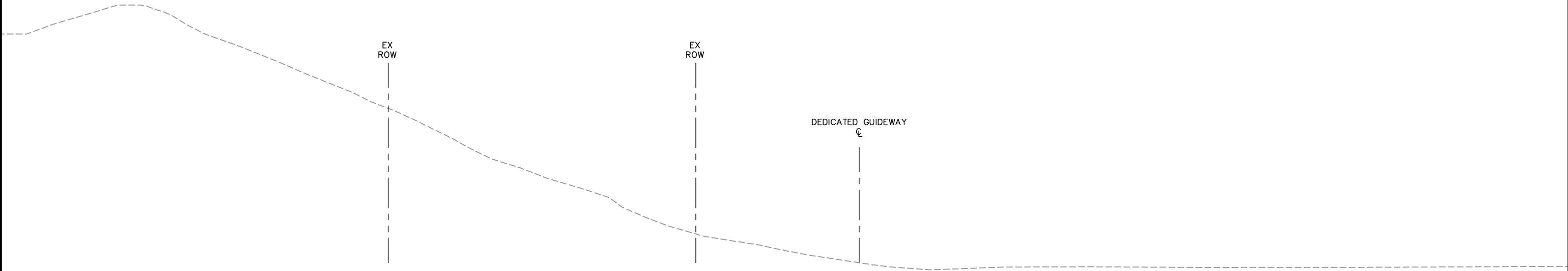
SHEET NO.

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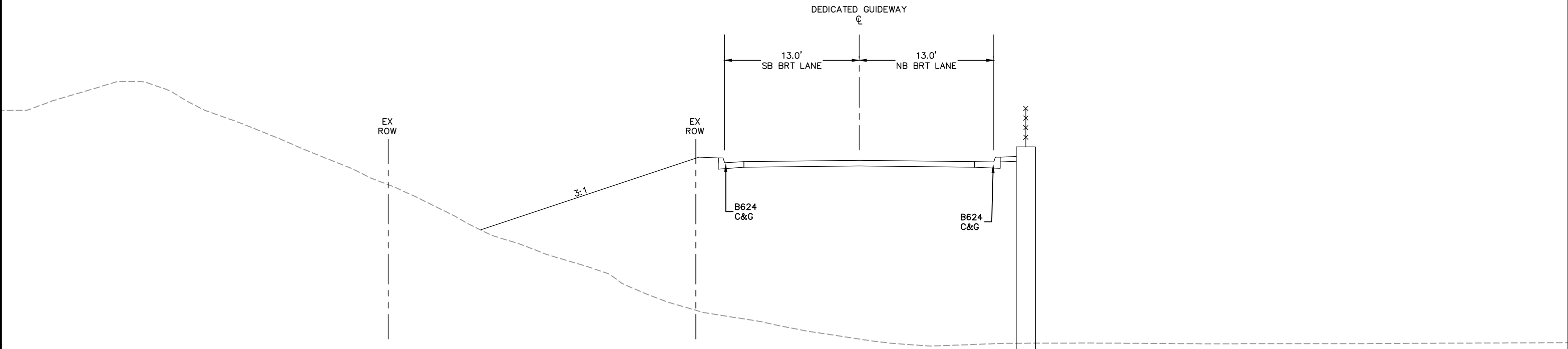
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EXISTING TYPICAL SECTION
DEDICATED GUIDEWAY - COUNTY ROAD D TO I-694 BRIDGE
DEDICATED GUIDEWAY - I-694 BRIDGE TO BUERKLE ROAD STATION

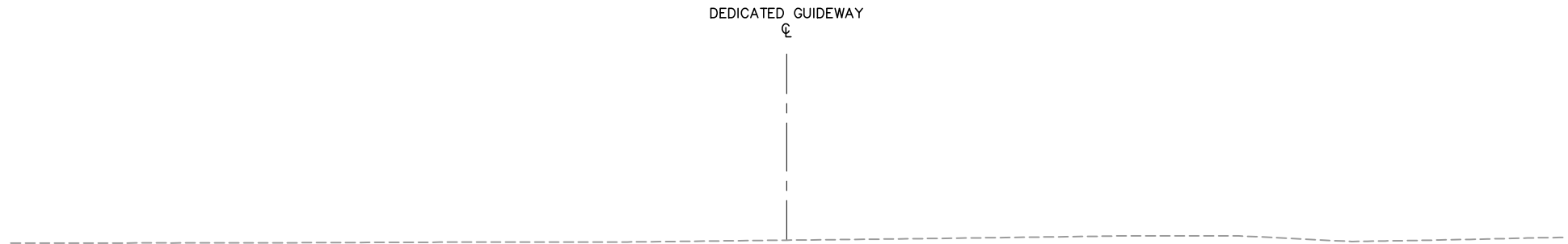


PROPOSED TYPICAL SECTION
DEDICATED GUIDEWAY - COUNTY ROAD D TO I-694 BRIDGE
DEDICATED GUIDEWAY - I-694 BRIDGE TO BUERKLE ROAD STATION

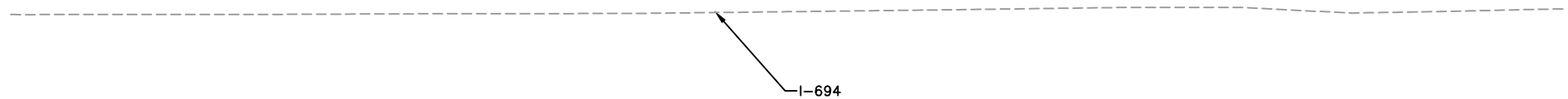
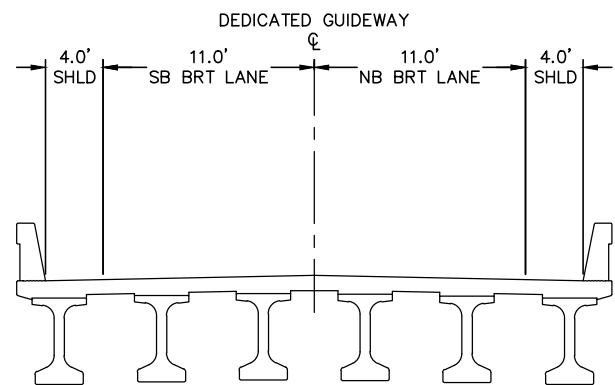
DRAFT-WORK IN PROCESS

	<p>RUSH LINE BRT PROJECT 15% PLANS - 08/07/2020 TYPICAL SECTIONS</p>					<p>SHEET NO. 59 OF 83</p>
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EXISTING TYPICAL SECTION
DEDICATED GUIDEWAY - BRIDGE OVER I-694

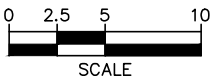


PROPOSED TYPICAL SECTION
DEDICATED GUIDEWAY - BRIDGE OVER I-694

DRAFT-WORK IN PROCESS

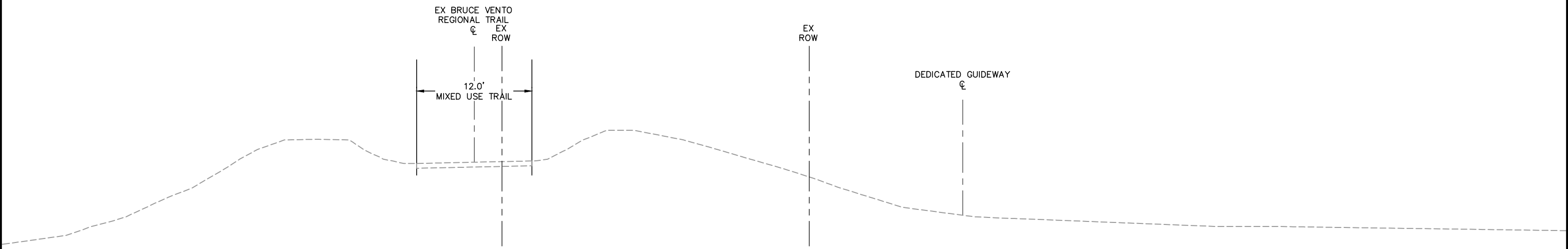


RUSH LINE BRT PROJECT
15% PLANS - 08/07/2020
TYPICAL SECTIONS

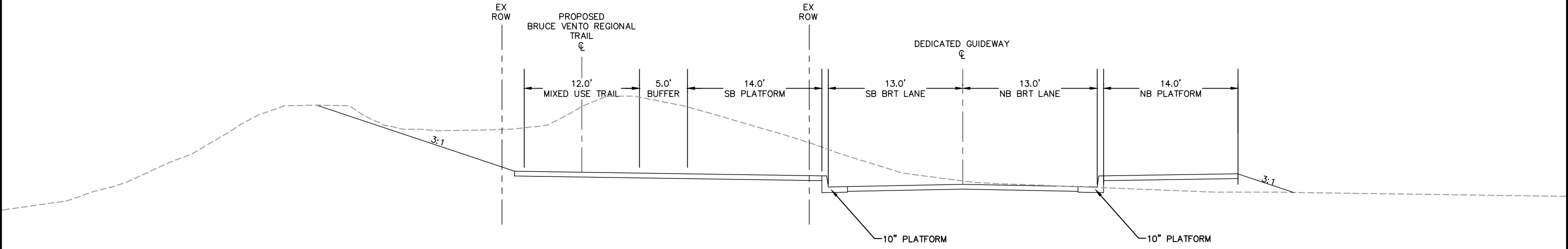


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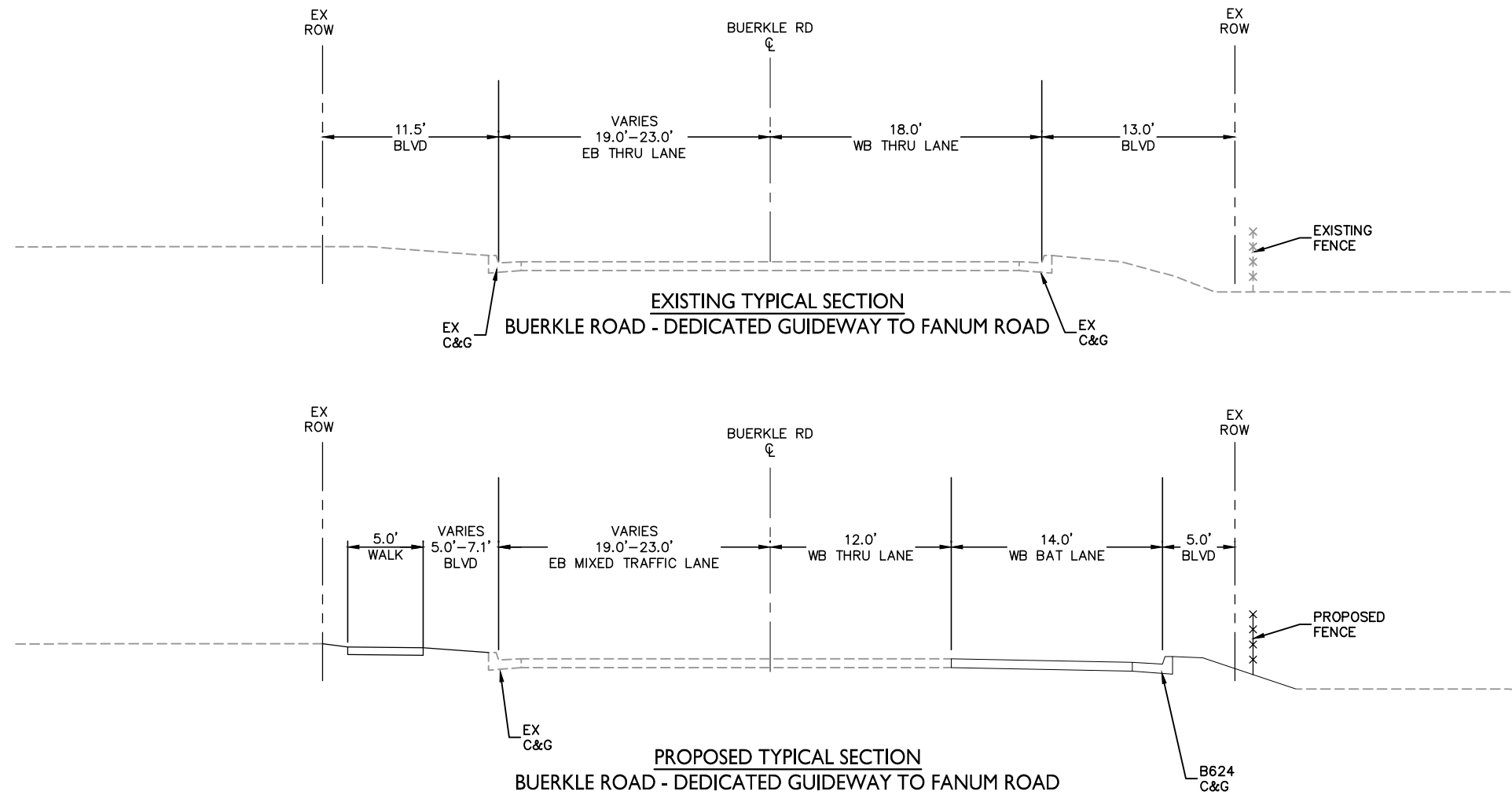
EXISTING TYPICAL SECTION
DEDICATED GUIDEWAY - BUERKLE ROAD STATION



PROPOSED TYPICAL SECTION
DEDICATED GUIDEWAY - BUERKLE ROAD STATION

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Aug. 04 2020 11:00 am H:\Projects\11000\11112\CAD_BIM\Plan\SEGX-CIV-TYP.dwg By: tborowicz

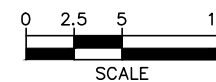


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RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS



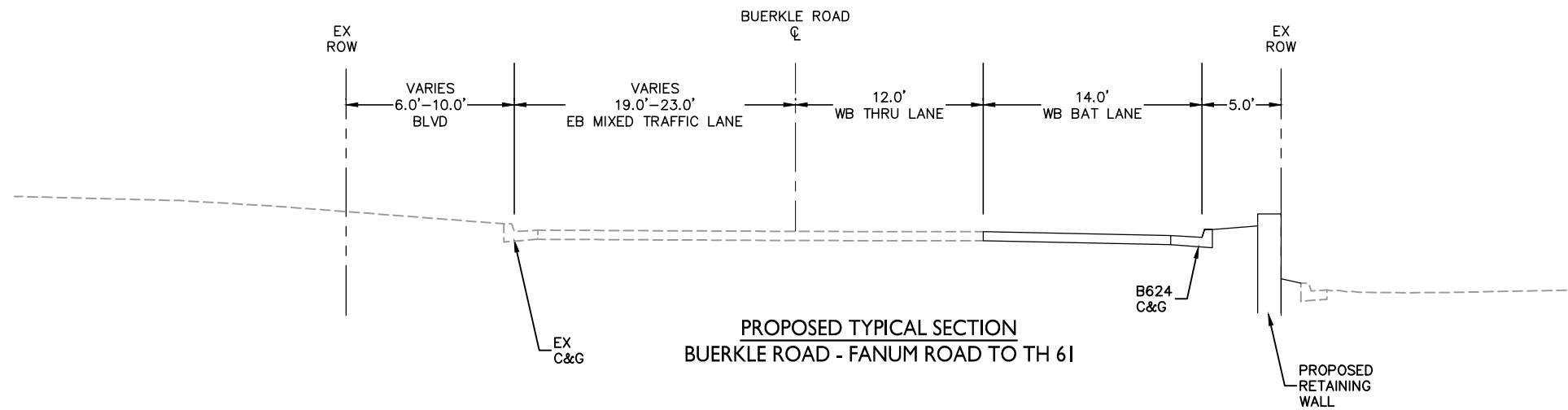
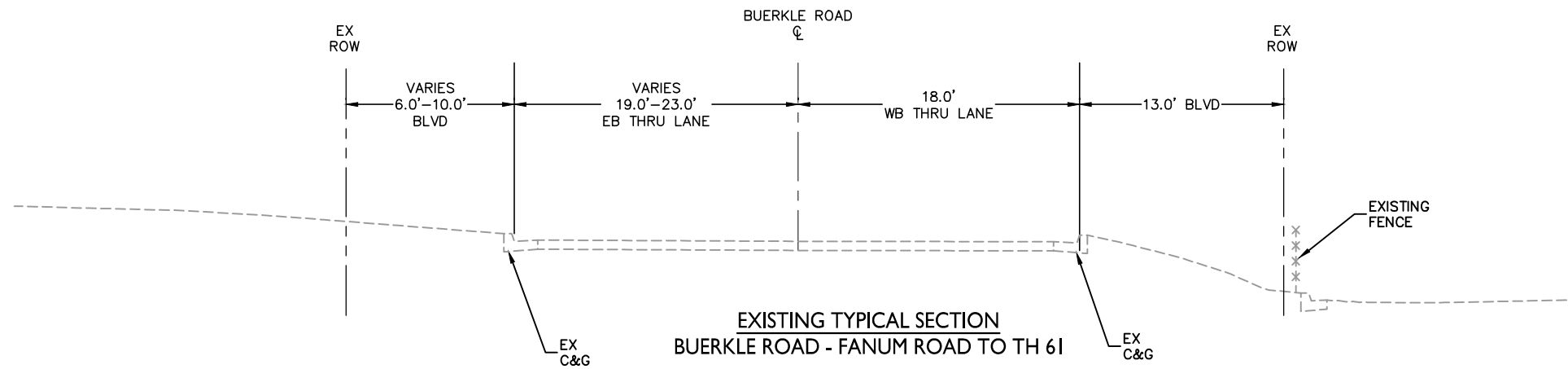
SHEET NO.

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83

Aug. 04 2020 11:00 am H:\Projects\11000\11112\CAD_BIM\Plan\SEGX-CIV-TYP.dwg By: tborowicz

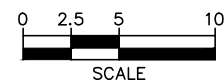


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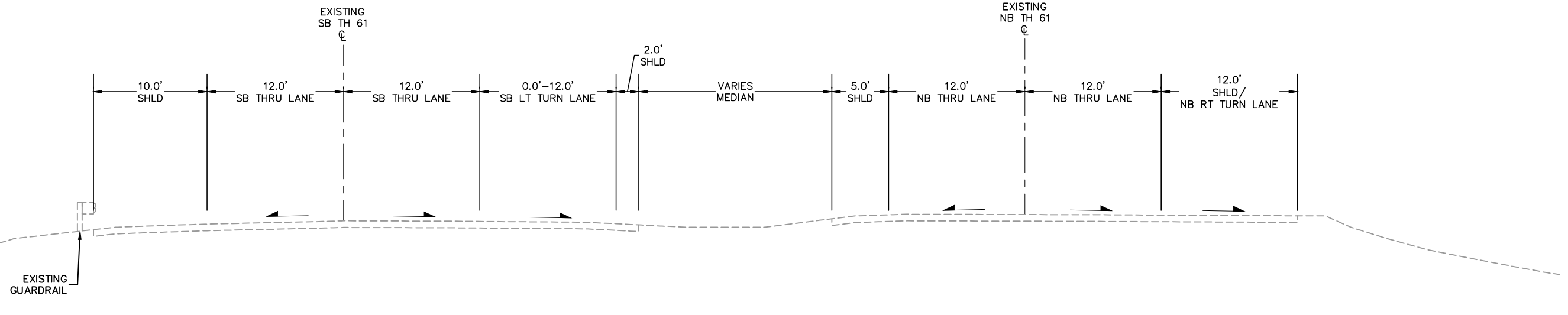
RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS

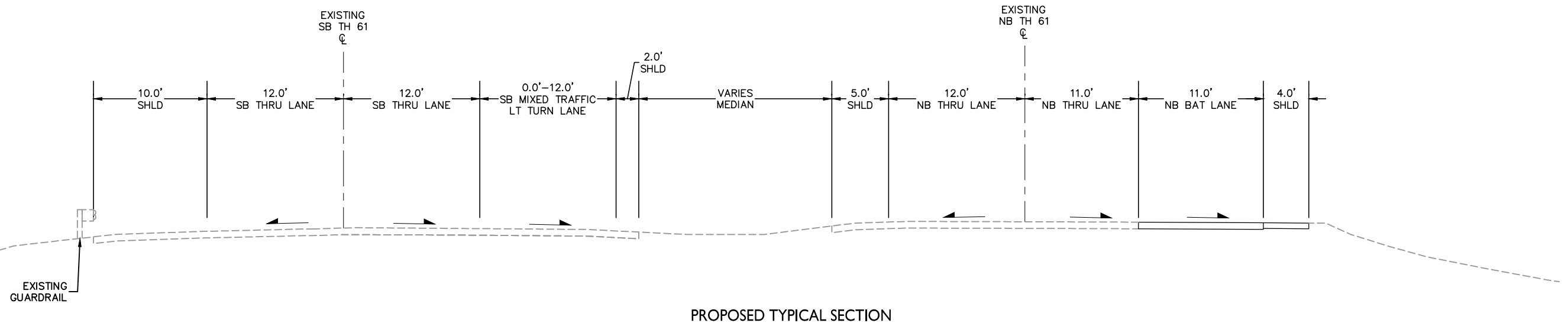


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EXISTING TYPICAL SECTION
TH 61 - BUERKLE ROAD TO WILLOW LAKE BOULEVARD

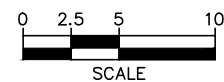


PROPOSED TYPICAL SECTION
TH 61 - BUERKLE ROAD TO WILLOW LAKE BOULEVARD

DRAFT-WORK IN PROCESS

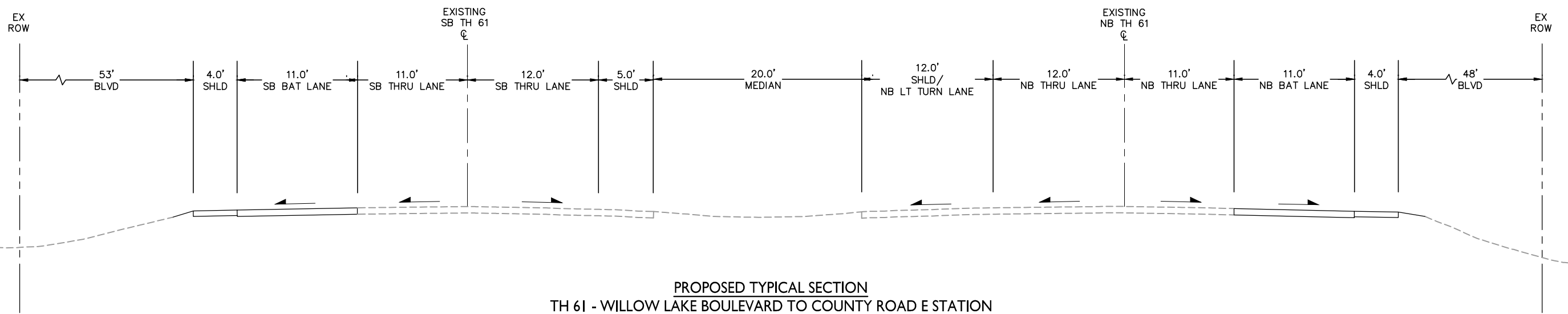
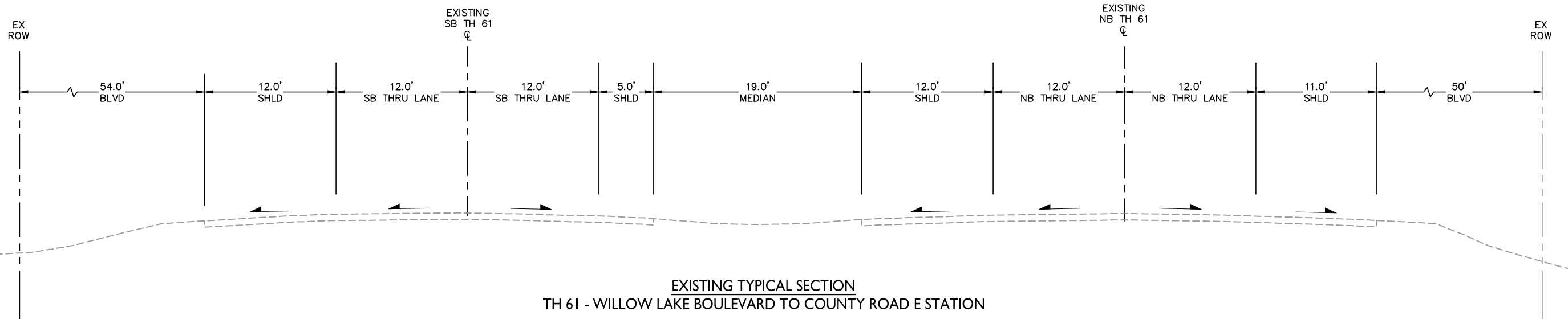


RUSH LINE BRT PROJECT
15% PLANS - 08/07/2020
TYPICAL SECTIONS



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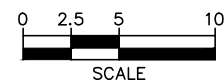


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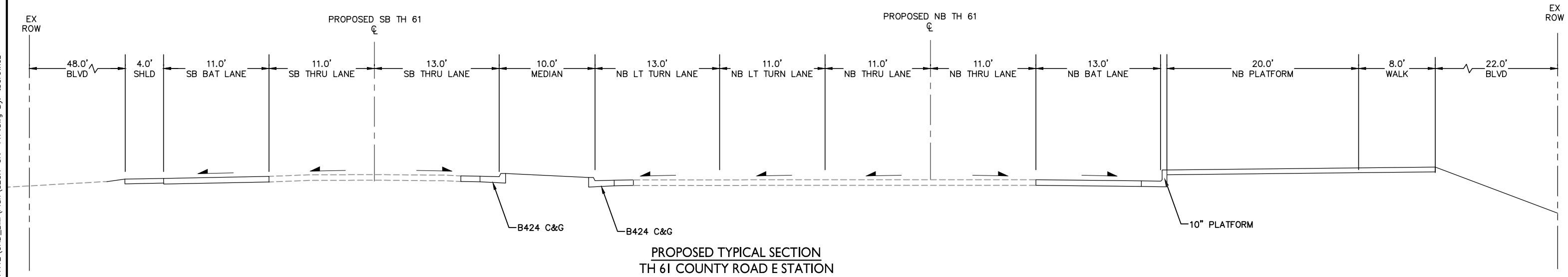
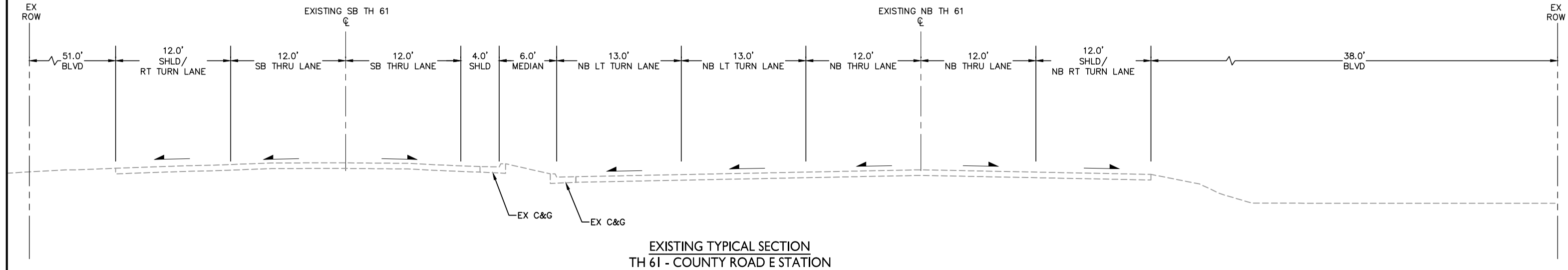
RUSH LINE BRT PROJECT

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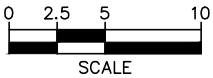


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RUSH LINE BRT PROJECT

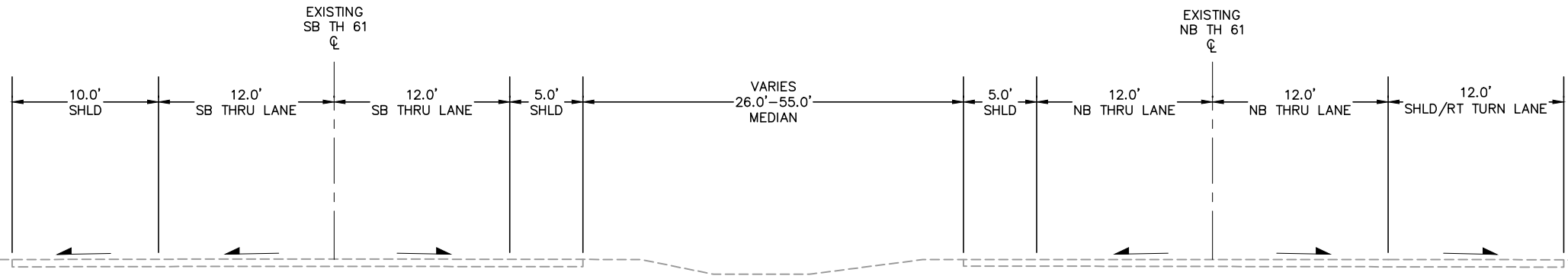
15% PLANS - 08/07/2020
TYPICAL SECTIONS



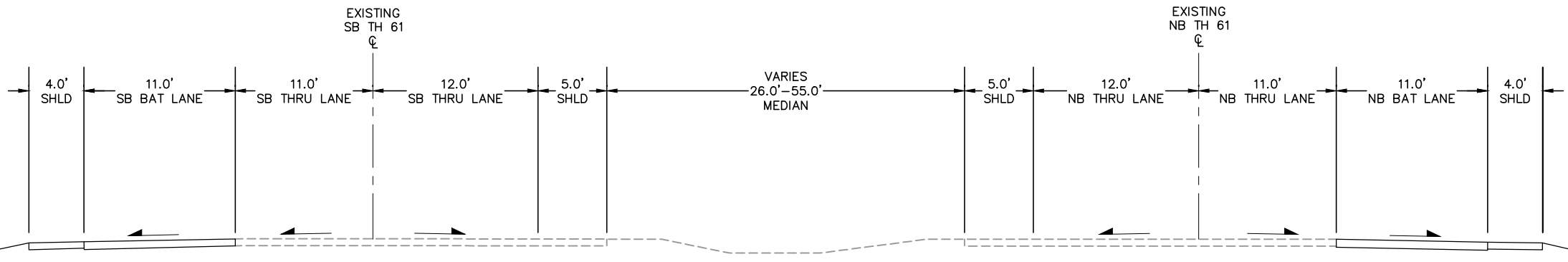
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EXISTING TYPICAL SECTION
TH 61 - COUNTY ROAD E STATION TO BRIDGE OVER BNSF RAILWAY

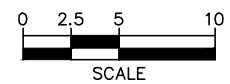


PROPOSED TYPICAL SECTION
TH 61 - COUNTY ROAD E STATION TO BRIDGE OVER BNSF RAILWAY

DRAFT-WORK IN PROCESS

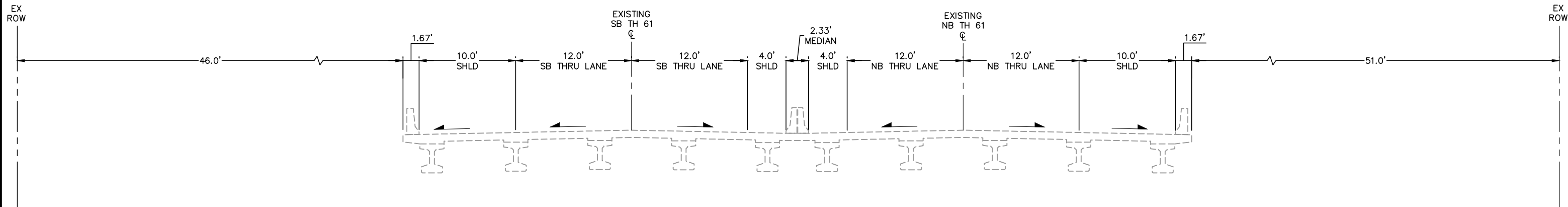


RUSH LINE BRT PROJECT
15% PLANS - 08/07/2020
TYPICAL SECTIONS

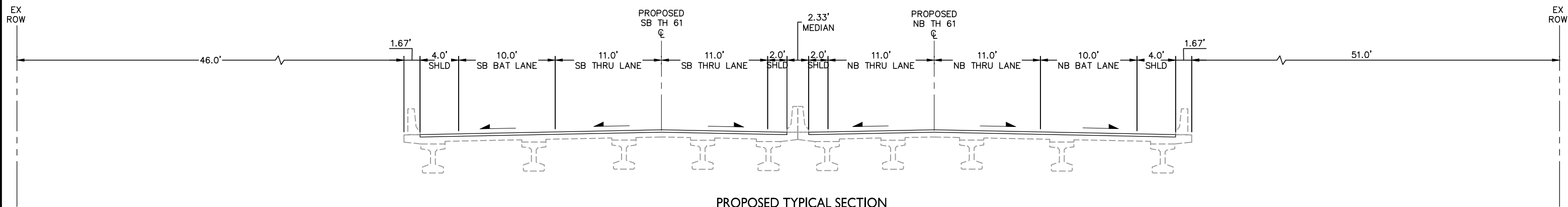


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EXISTING TYPICAL SECTION
TH 61 - BRIDGE OVER BNSF RAILWAY



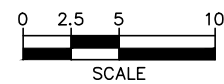
PROPOSED TYPICAL SECTION
TH 61 - BRIDGE OVER BNSF RAILWAY

DRAFT-WORK IN PROCESS



RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS



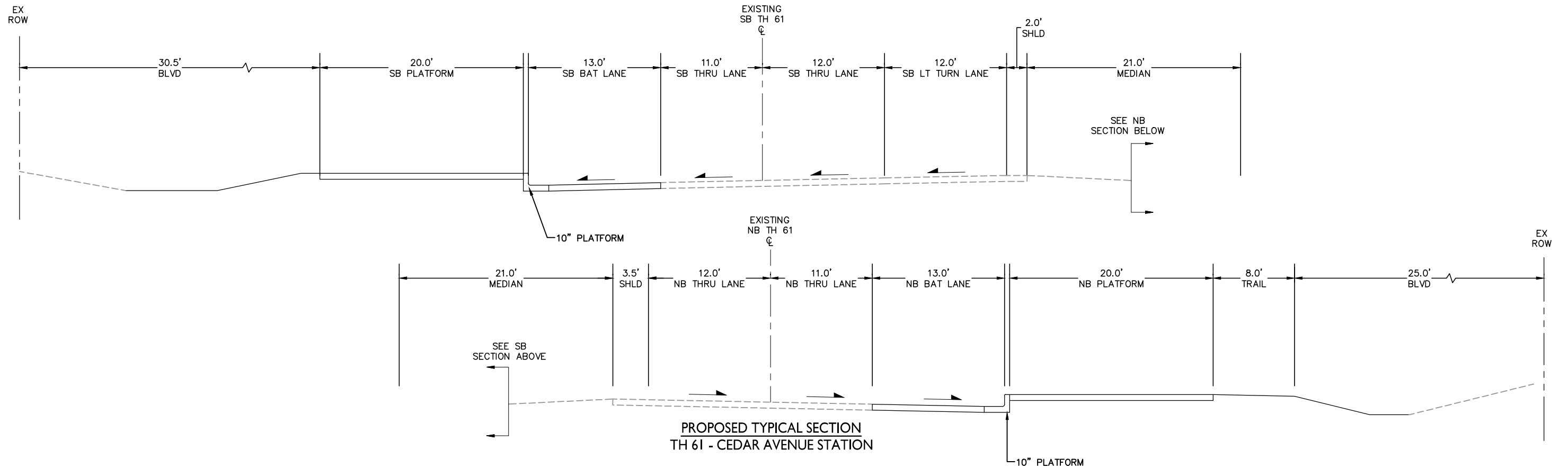
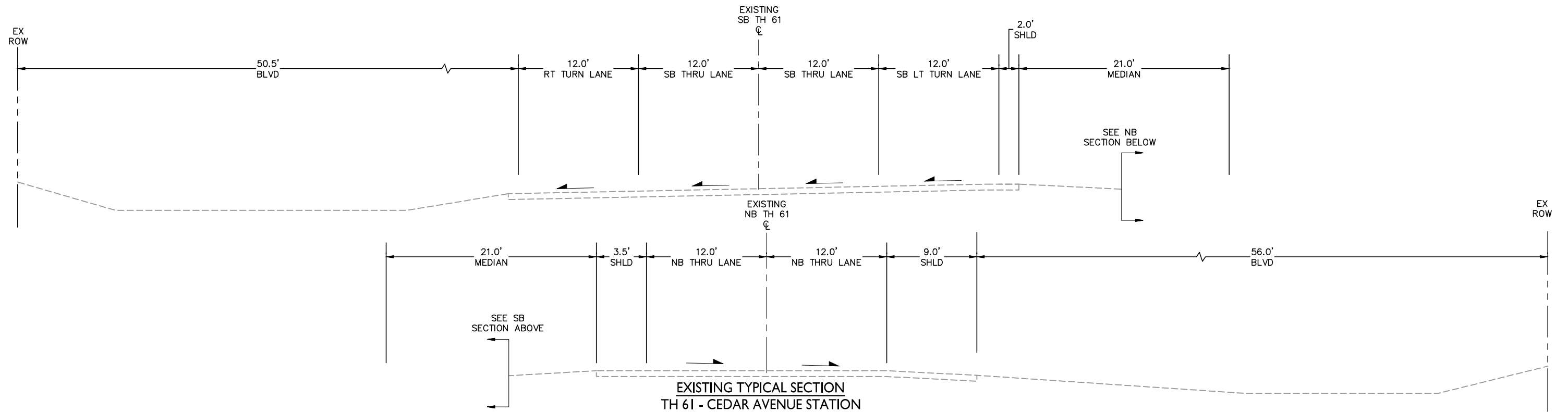
SHEET NO.

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Aug. 04 2020 11:00 am H:\Projects\11000\11112\CAD_BIM\Plan\SEGX-CIV-TYP.dwg By: tborowicz

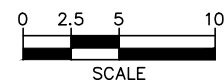


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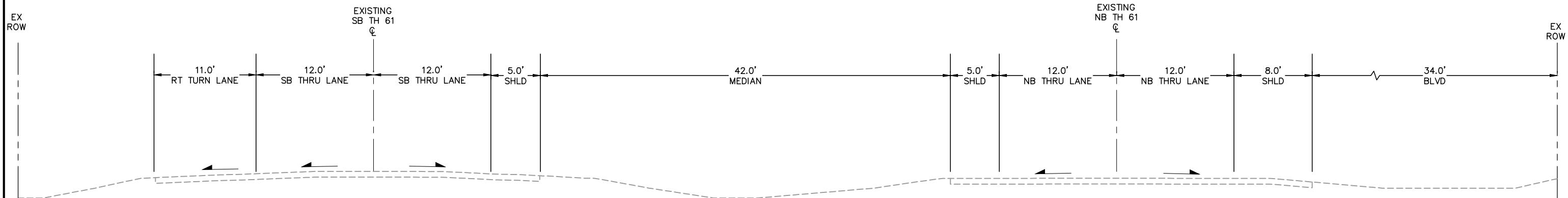
RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS

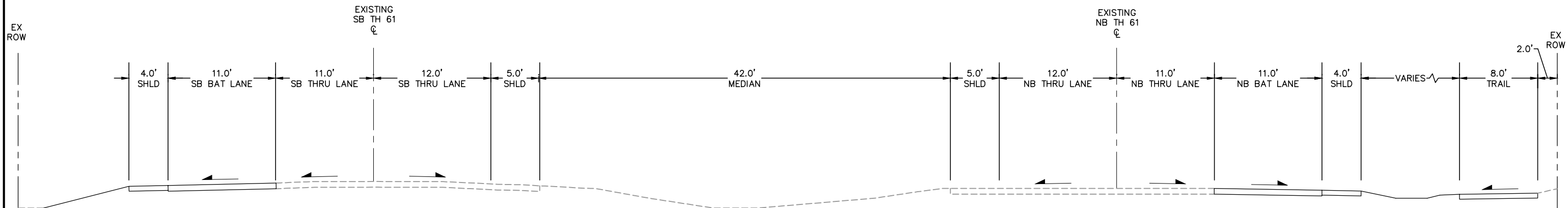


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Aug. 04 2020 11:00 am H:\Projects\11000\11112\CAD_BIM\Plan\SEGX-CIV-TYP.dwg By: tborowicz



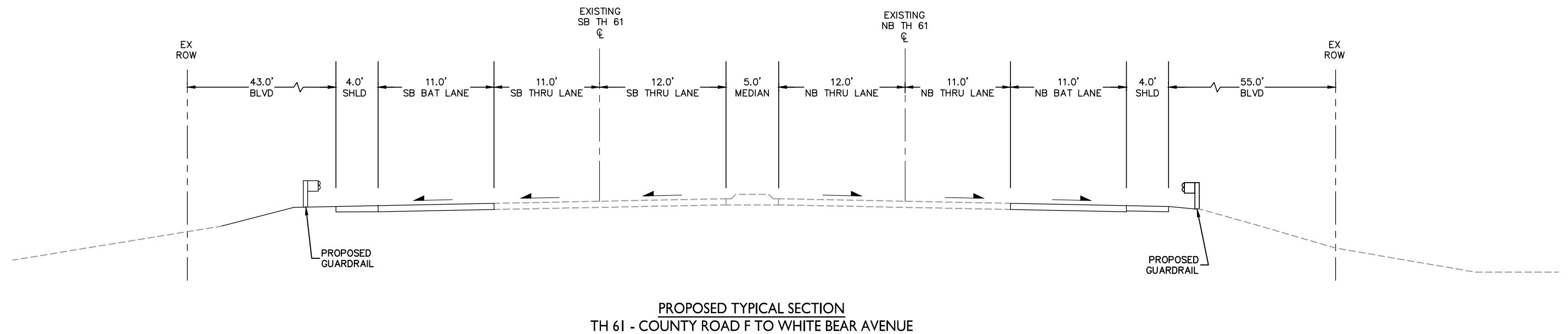
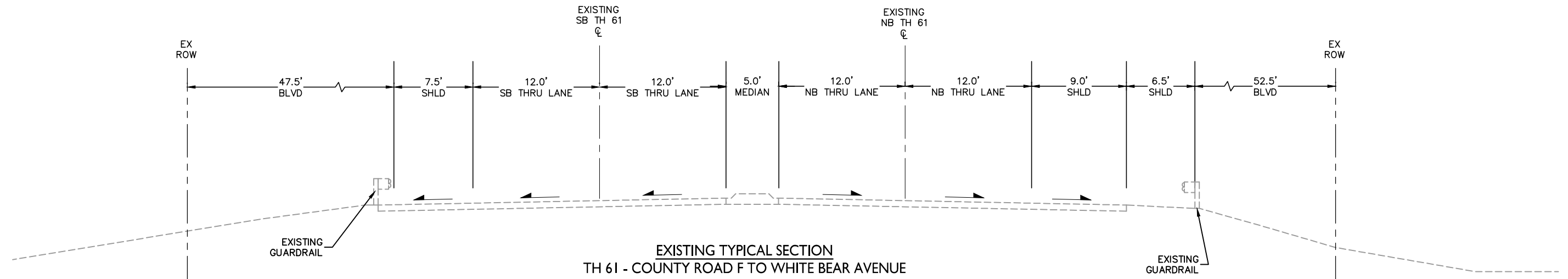
EXISTING TYPICAL SECTION
TH 61 - CEDAR AVENUE STATION TO COUNTY ROAD F



PROPOSED TYPICAL SECTION
CEDAR AVENUE STATION TO COUNTY ROAD F

DRAFT-WORK IN PROCESS

Aug. 04 2020 11:00 am H:\Projects\11000\11112\CAD_BIM\Plan\SEGX-CIV-TYP.dwg By: tborowicz

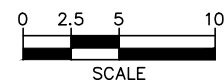


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RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS



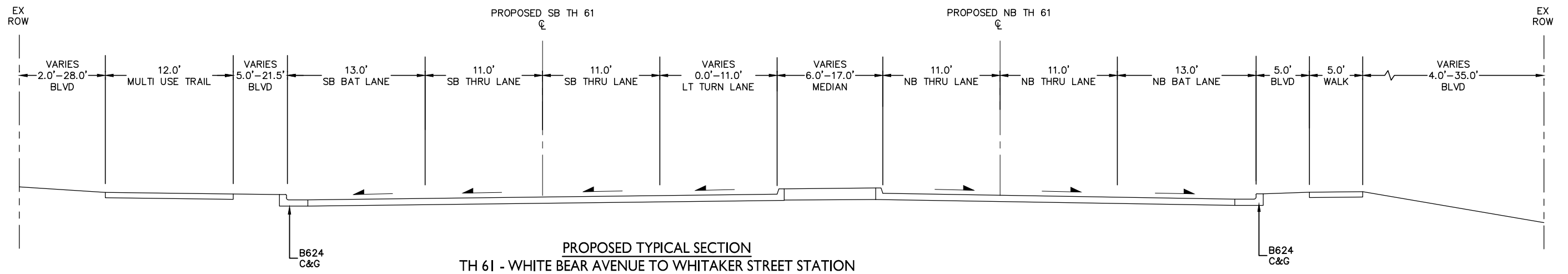
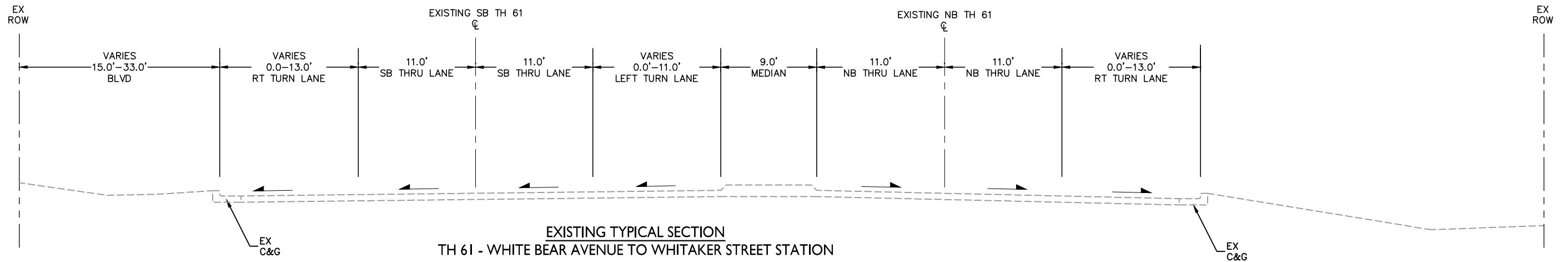
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Aug. 04 2020 11:00 am H:\Projects\11000\11112\CAD_BIM\Plan\SEGX-CIV-TYP.dwg By: tborowicz

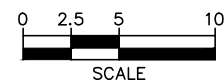


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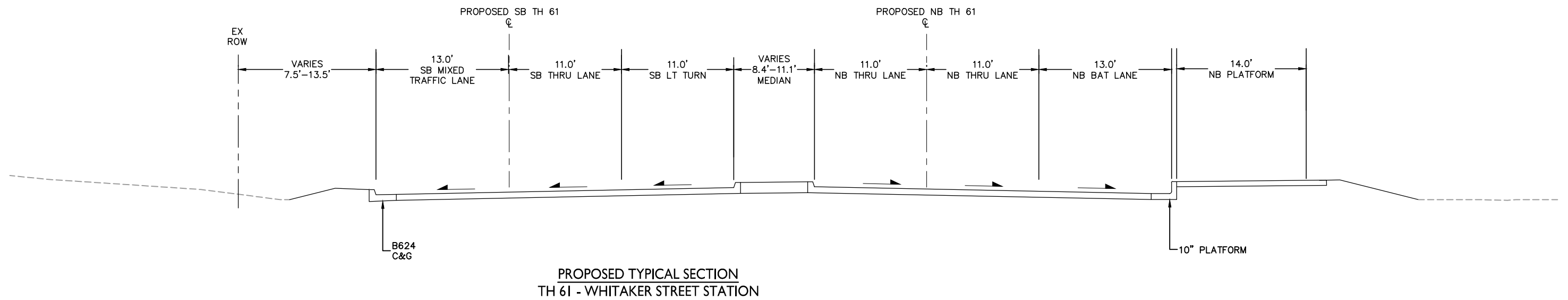
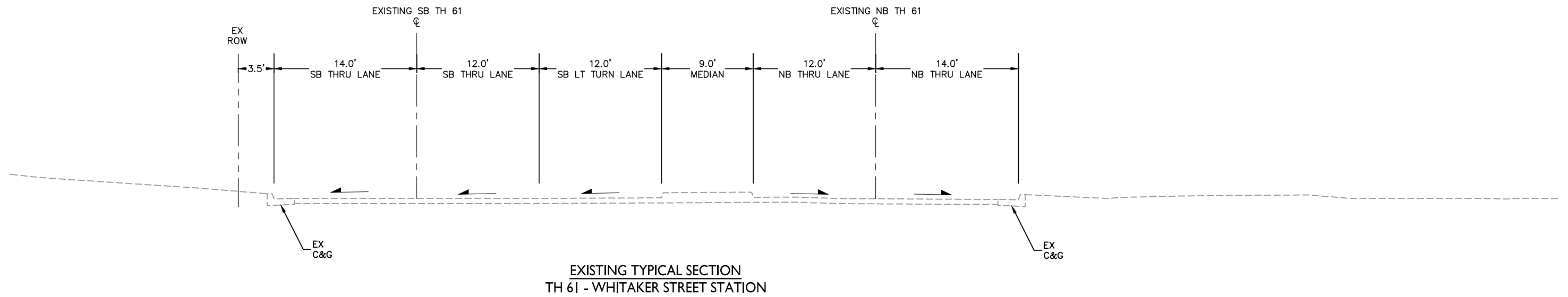
RUSH LINE BRT PROJECT

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Aug. 04 2020 11:00 am H:\Projects\11000\11112\CAD_BIM\Plan\SEGX-CIV-TYP.dwg By: tborowicz

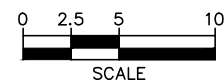


DRAFT-WORK IN PROCESS



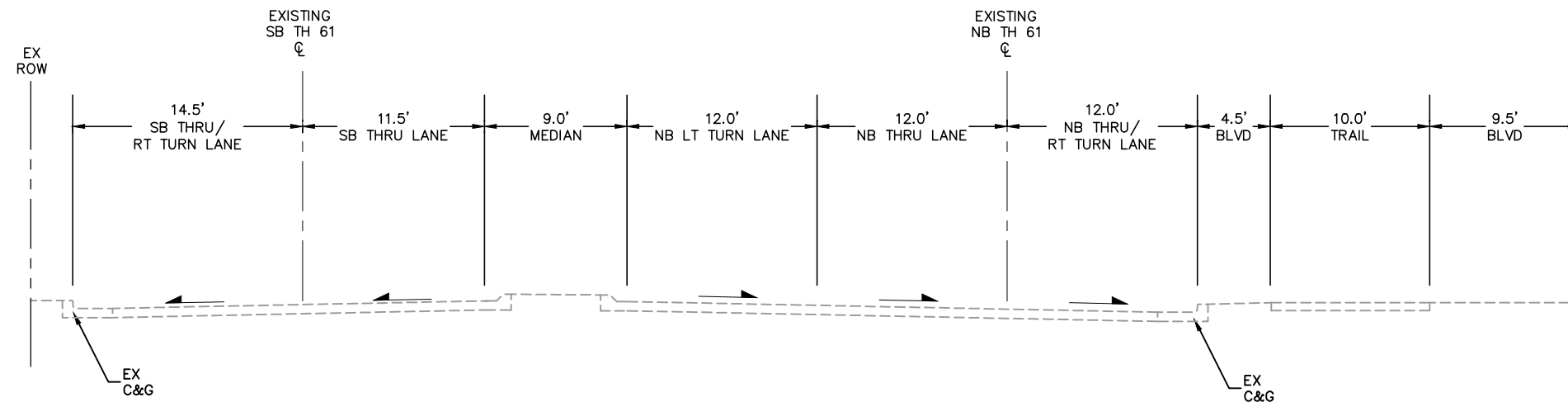
RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS

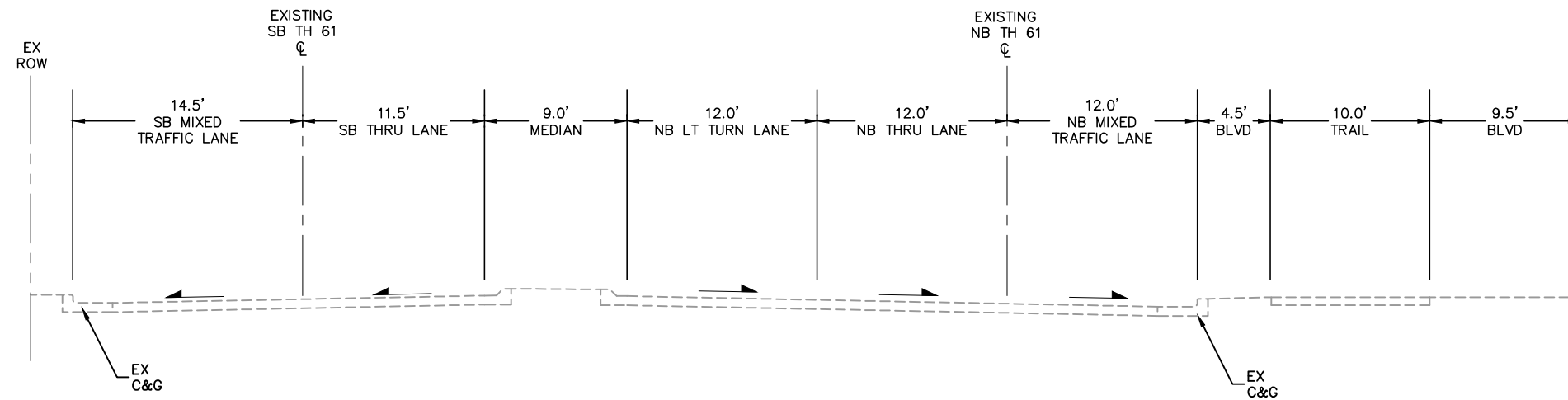


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EXISTING TYPICAL SECTION
TH 61 - WHITAKER STREET STATION TO TH 96

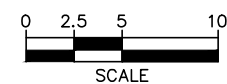


PROPOSED TYPICAL SECTION
TH 61 - WHITAKER STREET STATION TO TH 96

DRAFT-WORK IN PROCESS

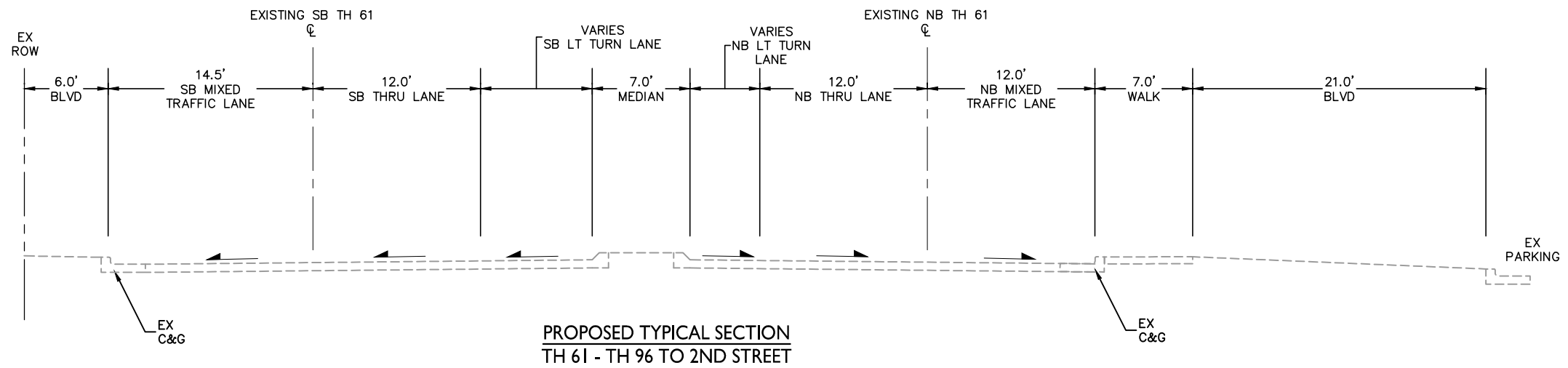
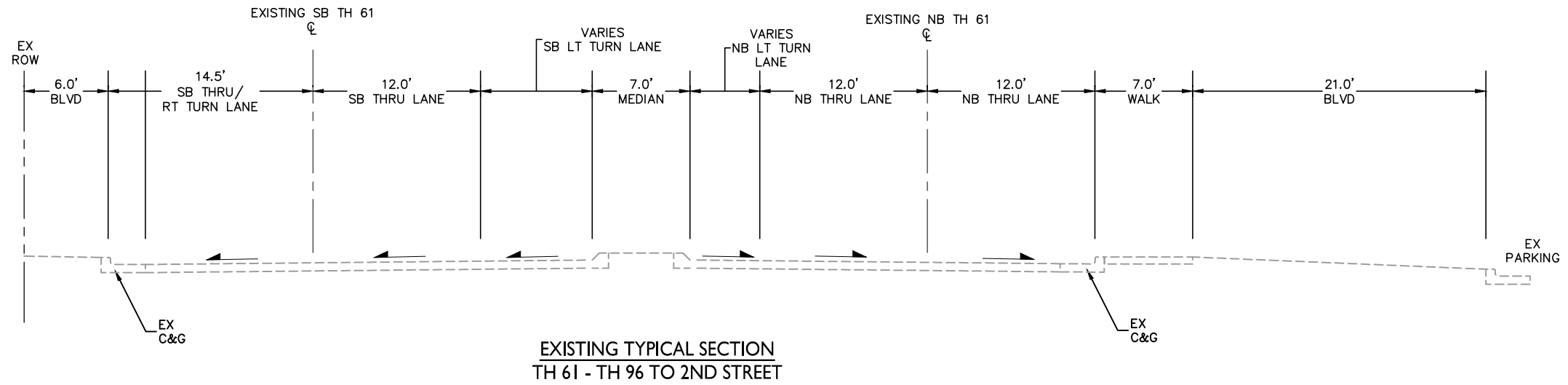


RUSH LINE BRT PROJECT
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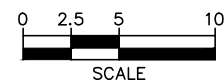


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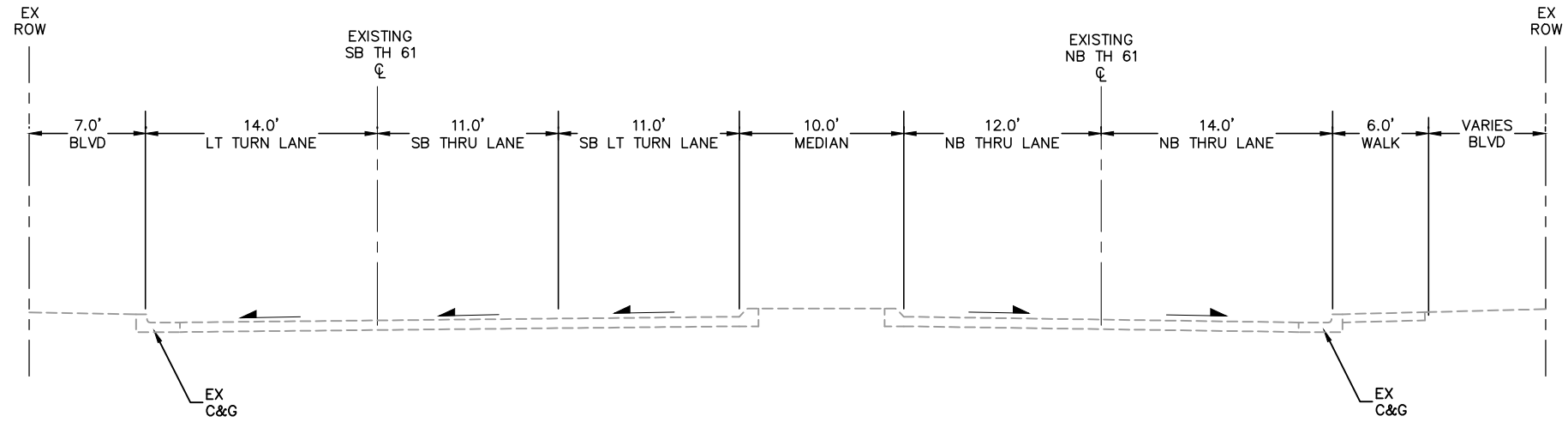
RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS

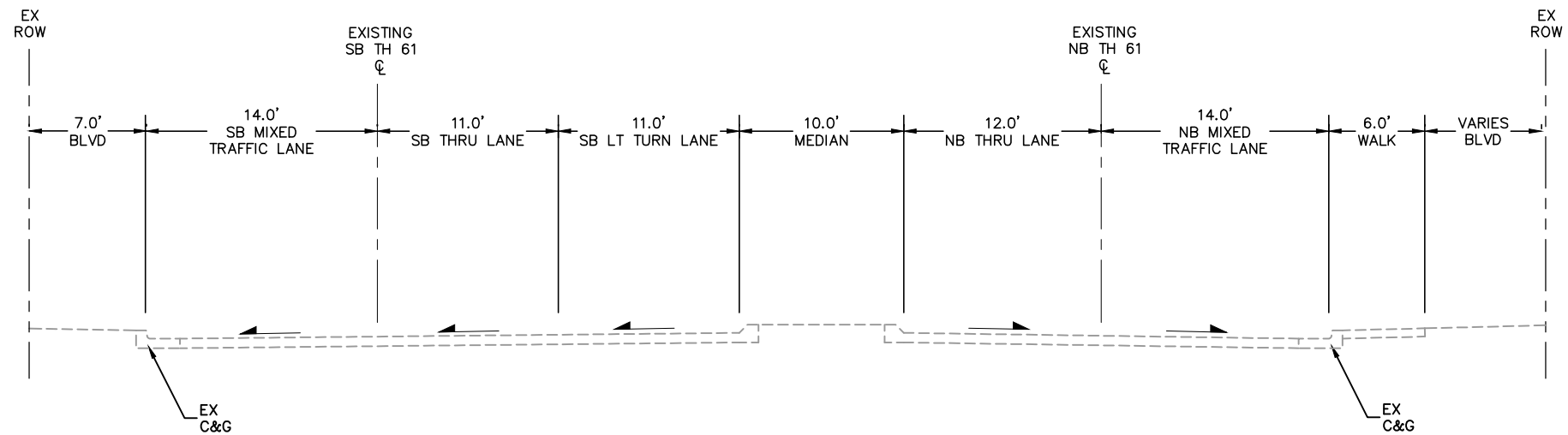


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EXISTING TYPICAL SECTION
TH 61- 2ND STREET TO 5TH STREET



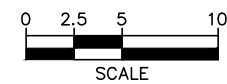
PROPOSED TYPICAL SECTION
TH 61 - 2ND STREET TO 5TH STREET

DRAFT-WORK IN PROCESS



RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS



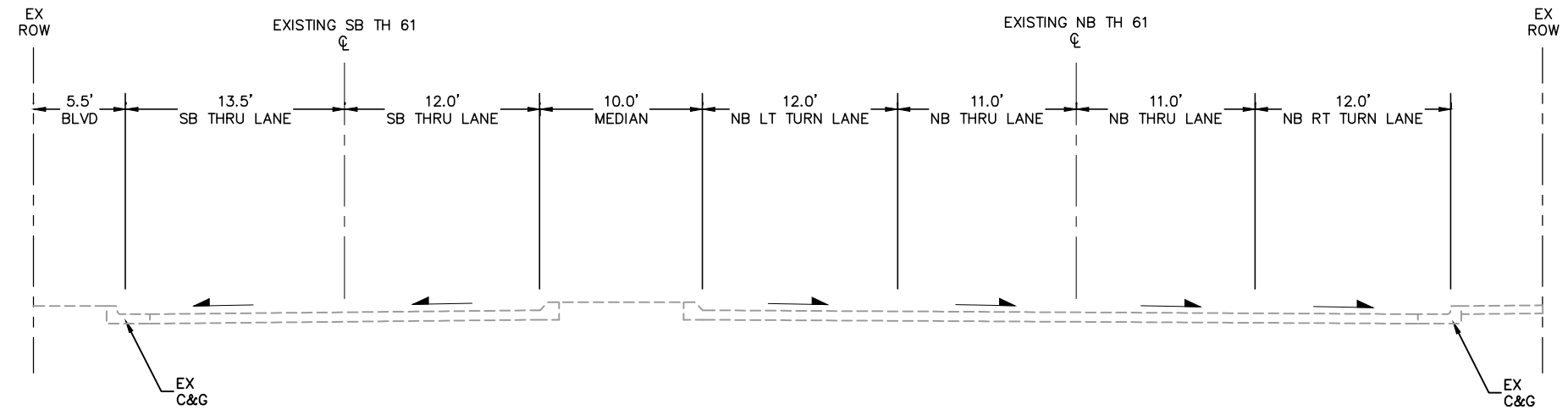
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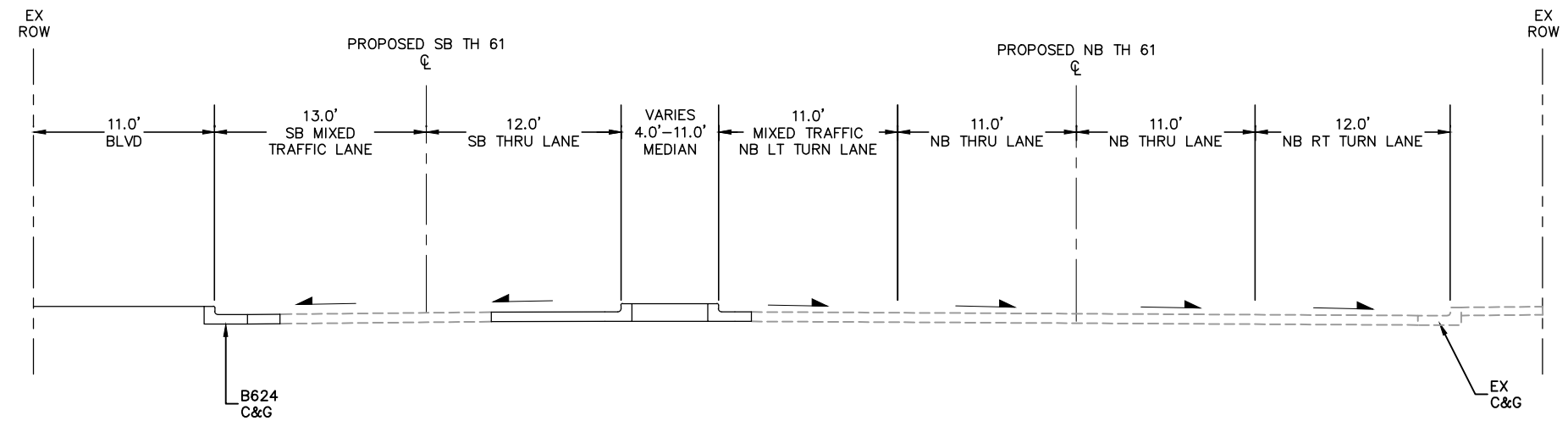
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EXISTING TYPICAL SECTION
TH 61 - 5TH STREET TO 10TH STREET



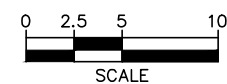
PROPOSED TYPICAL SECTION
TH 61 - 5TH STREET TO 10TH STREET

DRAFT-WORK IN PROCESS



RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS



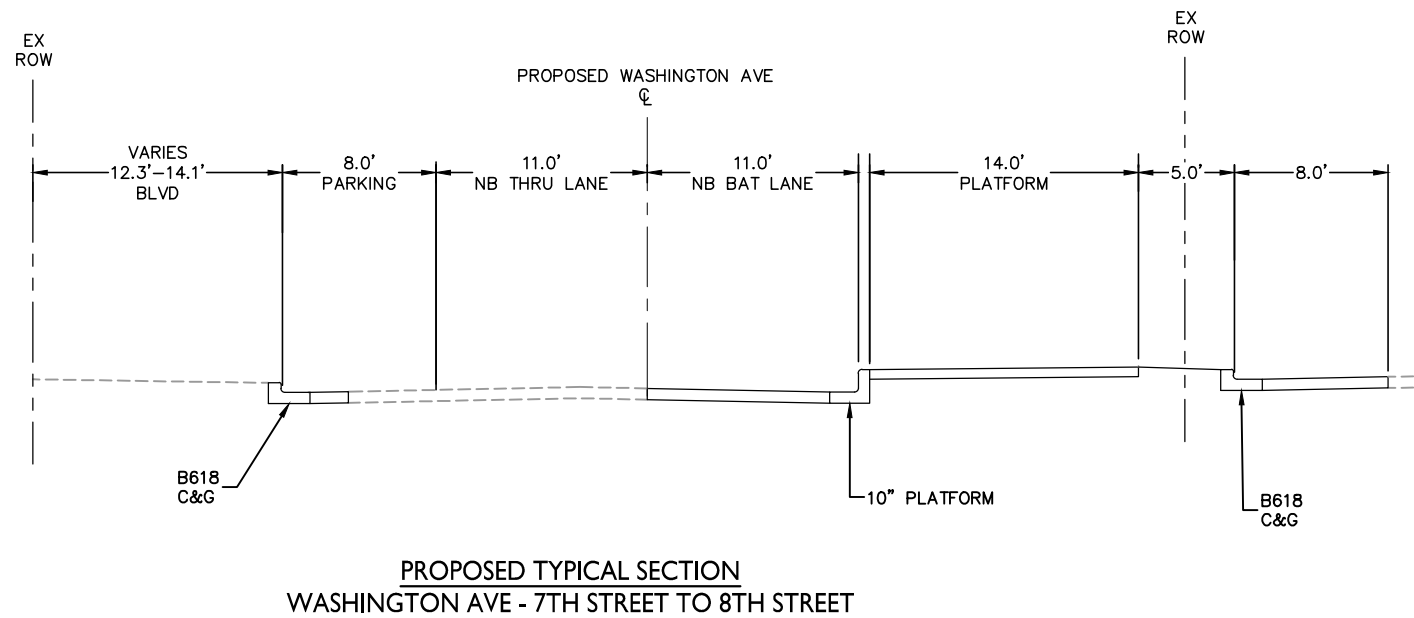
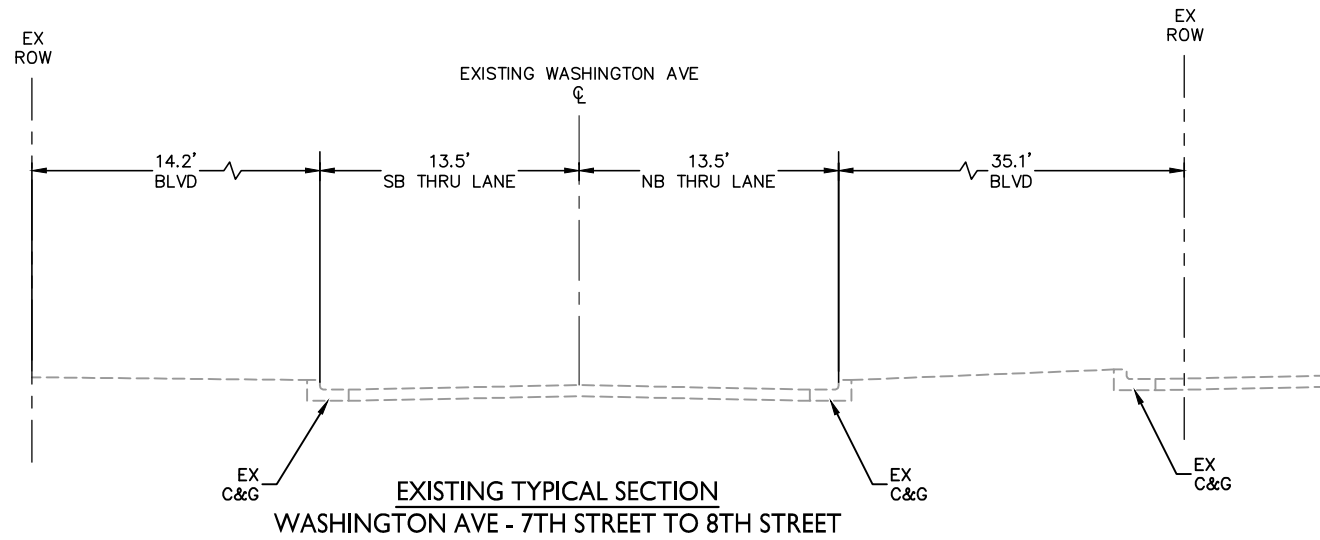
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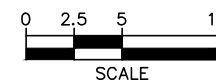


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RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS



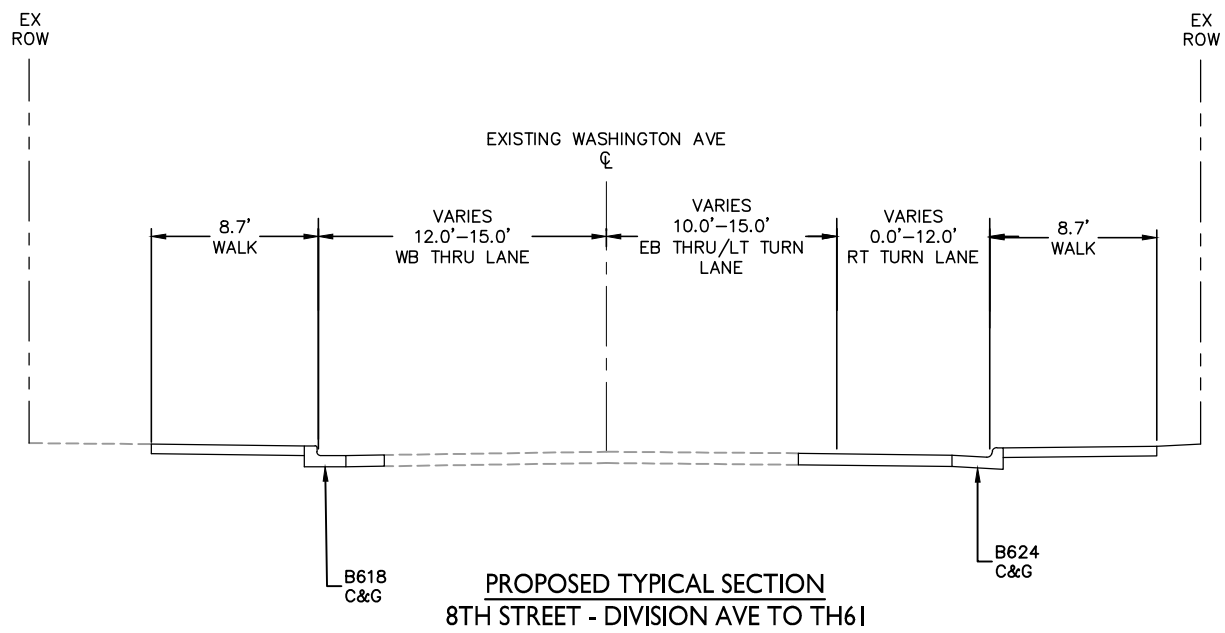
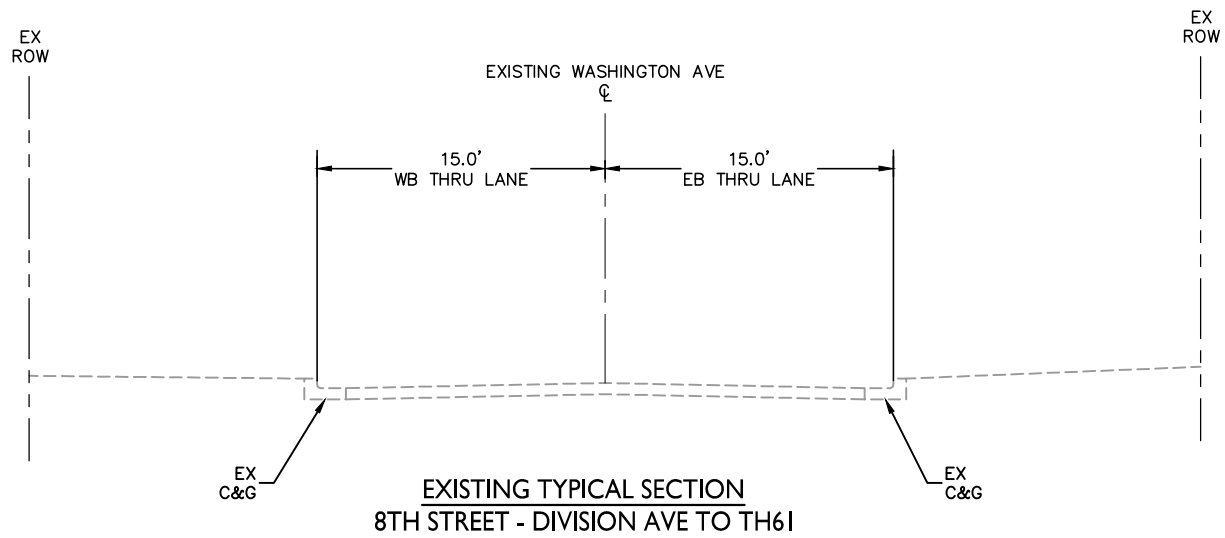
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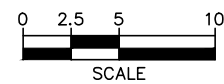


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RUSH LINE BRT PROJECT

15% PLANS - 08/07/2020
TYPICAL SECTIONS

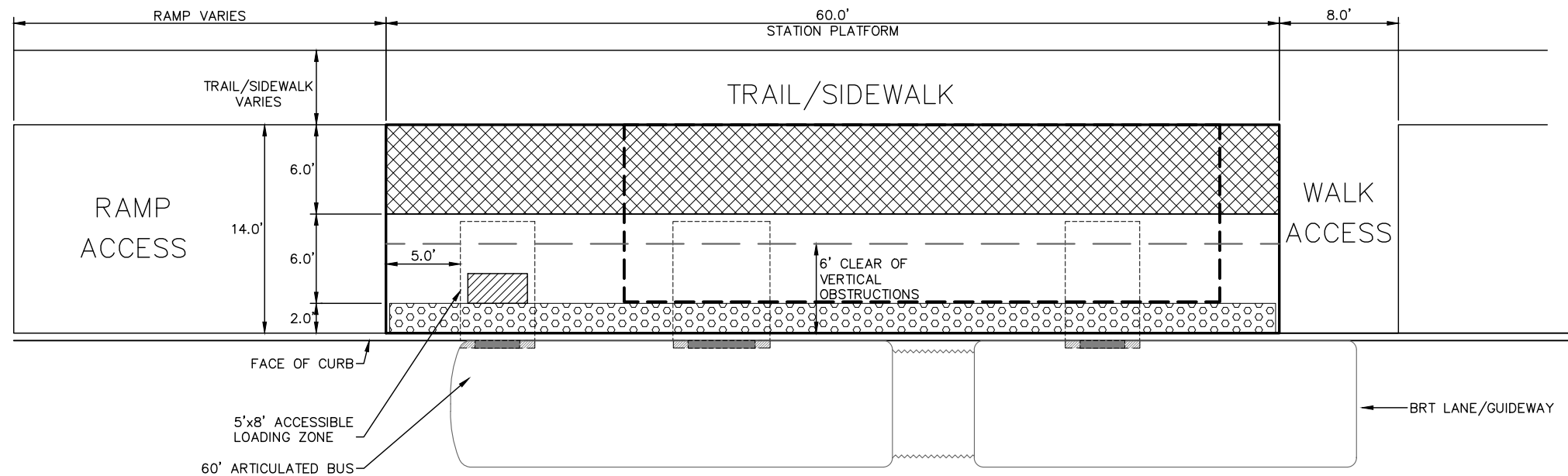


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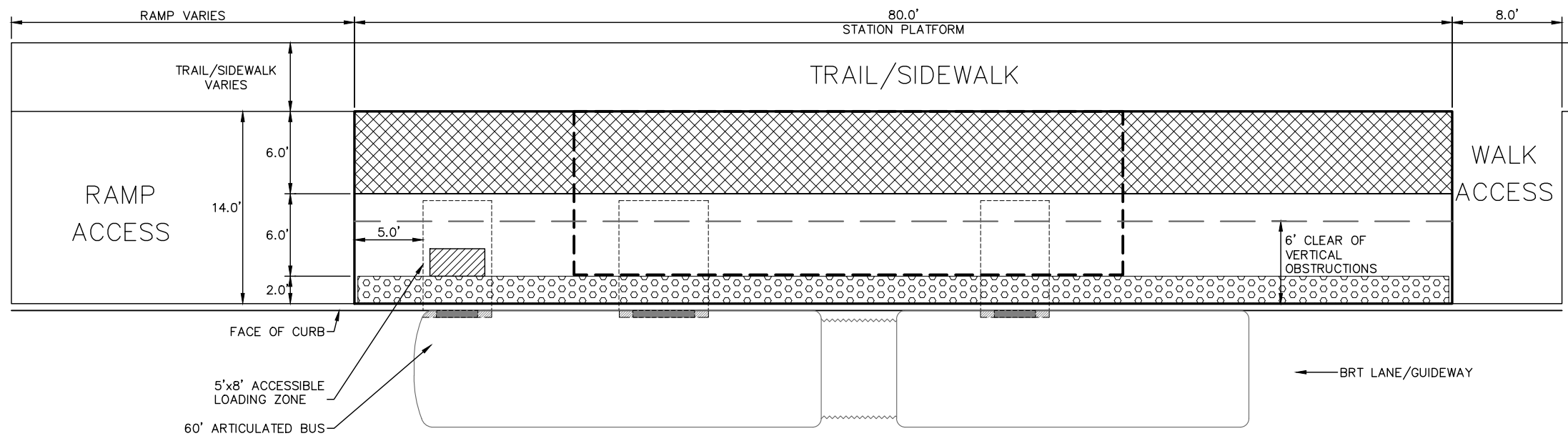


14' X 60' STATION PLATFORM LAYOUT - PLAN
 ARCADE STREET - WALK ACCESS AT BOTH ENDS, BOTH PLATFORMS
 MARYLAND AVENUE - SOUTHBOUND WALK ACCESS WITH ADDITIONAL 5' BUFFER SIDEWALK BETWEEN PARALLEL
 TRAIL/SIDEWALK AND PLATFORM EDGE, NORTHBOUND RAMP ACCESS

- STATION PLATFORM ELEMENTS:**
- PATRON CIRCULATION ZONE
 - CLEAR OF OBSTRUCTIONS
 - WIDE ENOUGH TO ALLOW COMFORTABLE PASSAGE OF TWO PEOPLE
 - BUS LOADING AND UNLOADING ZONE
 - AREAS WHERE VEHICLE DOORS ARE LOCATED WHEN BUS IS AT STATION PLATFORM
 - 5'x8' AT FIRST AND THIRD DOORS
 - 6.5'x8' AT SECOND DOOR
 - PATRON WAITING AREA AND STRUCTURE ZONE
 - FARE COLLECTION EQUIPMENT
 - COMMUNICATIONS AND ELECTRICAL EQUIPMENT
 - BENCHES, WASTE AND RECYCLING RECEPTACLES
 - SIGNAGE
 - POTENTIAL SHELTER AND CANOPY STRUCTURE
 - COVERED WINDSCREEN/SHELTER AREAS
 - BOARDING EDGE
 - ADA DETECTABLE WARNING AT EDGE OF PLATFORM
 - ADA DOOR MAT POSITIONING INDICATOR
 - (2) 2'x2' DETECTABLE WARNING TILES

GENERAL PLATFORM NOTE:

- PLATFORM PLANS ILLUSTRATE VARIOUS SIZE AND ACCESS CONFIGURATIONS. COMBINATIONS VARY DUE TO RIDERSHIP, CONTEXT AND SITE CONDITIONS.
- PLATFORM RAMPS ARE LESS THAN 5%



14' X 80' STATION PLATFORM LAYOUT - PLAN

OLIVE STREET - SOUTHBOUND WALK ACCESS, NORTHBOUND RAMP ACCESS
 CAYUGA STREET - SOUTHBOUND WALK ACCESS, NORTHBOUND RAMP ACCESS
 PAYNE AVENUE - SOUTHBOUND WALK ACCESS, NORTHBOUND RAMP ACCESS
 COOK AVENUE - SOUTHBOUND WALK ACCESS WITH ADDITIONAL 5' BUFFER SIDEWALK BETWEEN PARALLEL
 TRAIL/SIDEWALK AND BACK OF PLATFORM, NORTHBOUND RAMP ACCESS
 LARPEN TEUR AVENUE - NORTHBOUND WALK ACCESS AT BOTH ENDS, SOUTHBOUND WALK ACCESS AT BOTH
 ENDS WITH ADDITIONAL 5' BUFFER SIDEWALK BETWEEN PARALLEL TRAIL/SIDEWALK AND BACK OF
 PLATFORM
 FROST AVENUE - NORTHBOUND WALK ACCESS AT BOTH ENDS, SOUTHBOUND WALK ACCESS AT BOTH ENDS
 WITH ADDITIONAL 5' BUFFER SIDEWALK BETWEEN PARALLEL TRAIL/SIDEWALK AND BACK OF PLATFORM

HIGHWAY 36 - WALK ACCESS AT BOTH ENDS WITH ADDITIONAL 5' BUFFER SIDEWALK BETWEEN
 PARALLEL TRAIL/SIDEWALK AND BACK OF PLATFORM, BOTH PLATFORMS
 ST. JOHNS BOULEVARD - RAMP ACCESS AT BOTH ENDS, BOTH PLATFORMS
 BUERKLE ROAD - SOUTHBOUND WALK ACCESS WITH AN ADDITIONAL 5' BUFFER SIDEWALK
 BETWEEN PARALLEL TRAIL/SIDEWALK AND BACK OF PLATFORM, NORTHBOUND RAMP ACCESS
 WHITAKER STREET - NORTHBOUND, RAMP ACCESS AT SOUTH SIDE.

DRAFT-WORK IN PROCESS



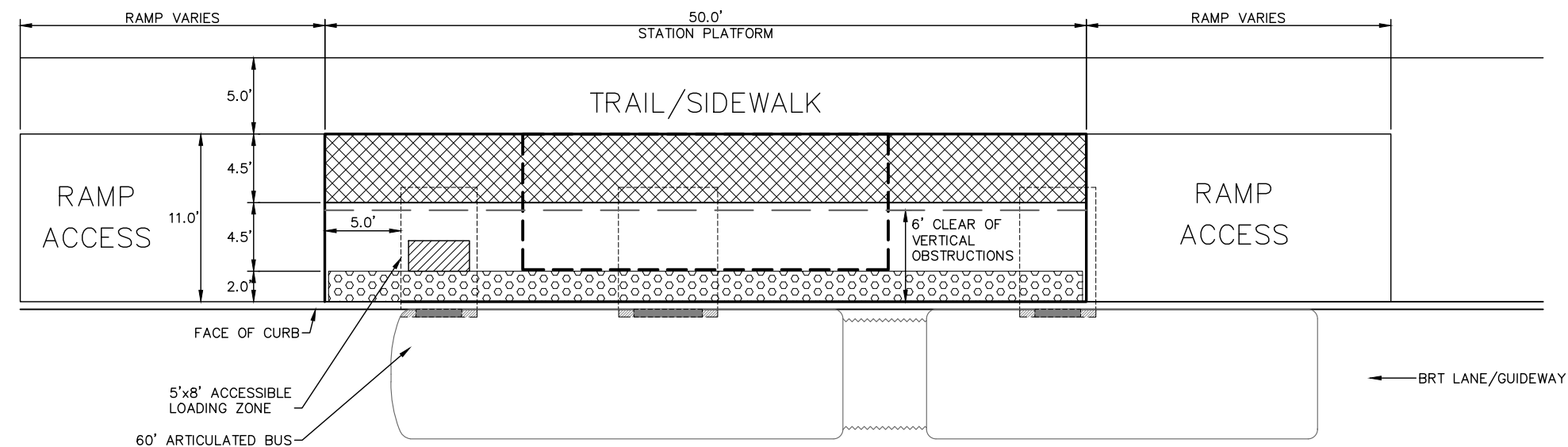
RUSH LINE BRT PROJECT

PLATFORM PLANS
 15% PLANS - 08/07/2020









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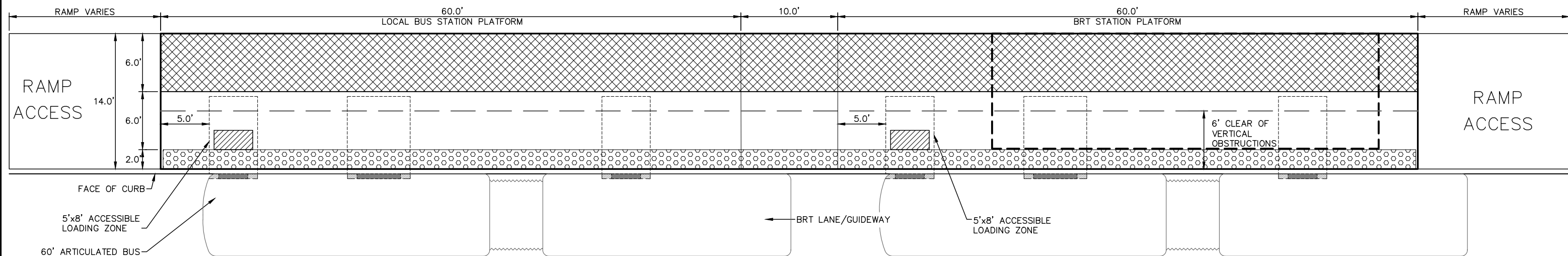


- STATION PLATFORM ELEMENTS:

 -  PATRON CIRCULATION ZONE
 - CLEAR OF OBSTRUCTIONS
 - WIDE ENOUGH TO ALLOW COMFORTABLE PASSAGE OF TWO PEOPLE
 -  BUS LOADING AND UNLOADING ZONE
 - AREAS WHERE VEHICLE DOORS ARE LOCATED WHEN BUS IS AT STATION PLATFORM
 - 5'x8' AT FIRST AND THIRD DOORS
 - 6.5'x8' AT SECOND DOOR
 -  PATRON WAITING AREA AND STRUCTURE ZONE
 - FARE COLLECTION EQUIPMENT
 - COMMUNICATIONS AND ELECTRICAL EQUIPMENT
 - BENCHES, WASTE AND RECYCLING RECEPTACLES
 - SIGNAGE
 -  POTENTIAL SHELTER AND CANOPY STRUCTURE
 - COVERED WINDSCREEN/SHELTER AREAS
 -  BOARDING EDGE
 - ADA DETECTABLE WARNING AT EDGE OF PLATFORM
 -  ADA DOOR MAT POSITIONING INDICATOR
 - (2) 2'X2' DETECTABLE WARNING TILES

GENERAL PLATFORM NOTE:

- PLATFORM PLANS ILLUSTRATE VARIOUS SIZE AND ACCESS CONFIGURATIONS. COMBINATIONS VARY DUE TO RIDERSHIP, CONTEXT AND SITE CONDITIONS.
- PLATFORM RAMPS ARE LESS THAN 5%



14' X 130' STATION PLATFORM LAYOUT – PLAN

10TH STREET – SOUTHBOUND RAMP ACCESS AT BOTH ENDS

14TH STREET – RAMP ACCESS AT BOTH ENDS, BOTH PLATFORMS

MT AIRY STREET – SOUTHBOUND RAMP ACCESS, NORTHBOUND WALK ACCESS

DOWNTOWN WHITE BEAR LAKE – RAMP ACCESS AT BOTH ENDS

MAPLEWOOD MALL TRANSIT CENTER – WALK ACCESS AT ONE END

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RUSH LINE BRT PROJECT

PLATFORM PLANS
15% PLANS - 08/07/2020

15% PLANS - 08/07/2020



RAMSEY
COUNTY

Kimley»Horn
SRE
Consulting Group, Inc.

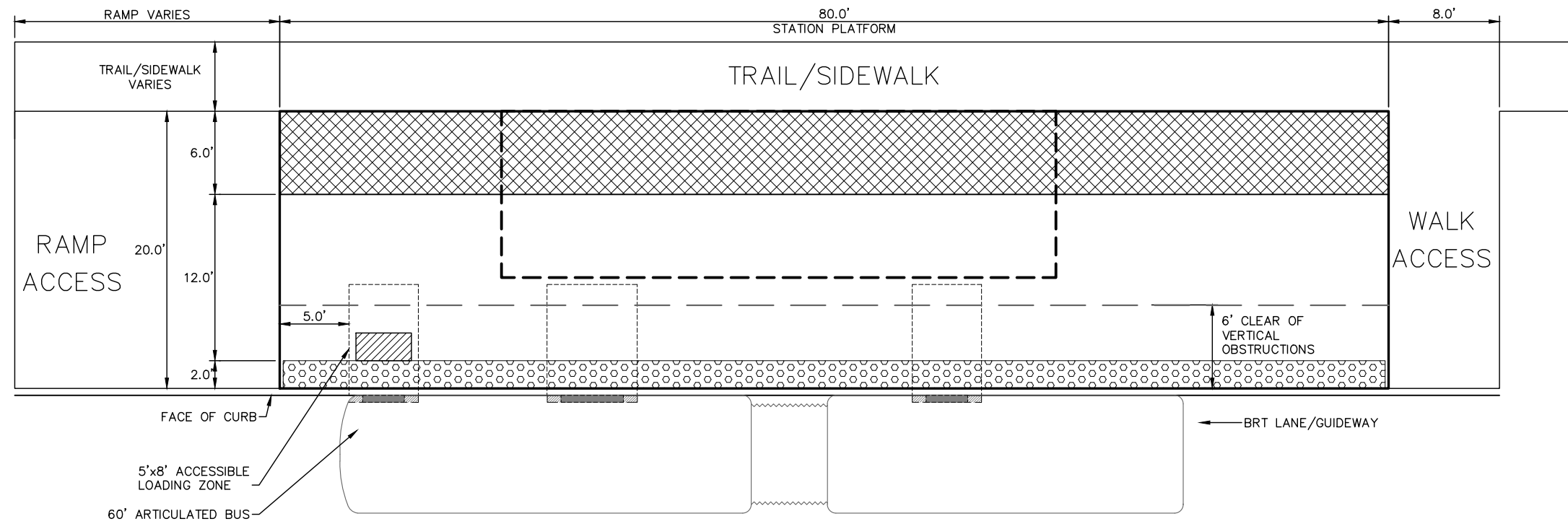
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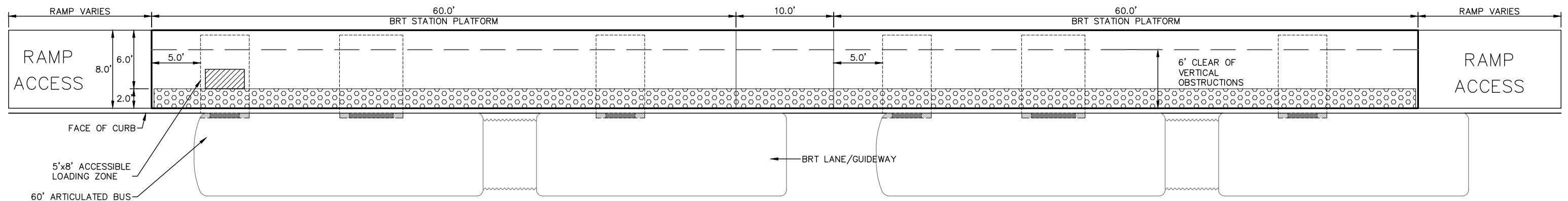
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20' X 80' STATION PLATFORM LAYOUT – PLAN
COUNTY ROAD E. – WALK ACCESS AT BOTH ENDS
CEDAR AVENUE – RAMP ACCESS AT BOTH ENDS

- STATION PLATFORM ELEMENTS:**
- PATRON CIRCULATION ZONE
 - CLEAR OF OBSTRUCTIONS
 - WIDE ENOUGH TO ALLOW COMFORTABLE PASSAGE OF TWO PEOPLE
 - BUS LOADING AND UNLOADING ZONE
 - AREAS WHERE VEHICLE DOORS ARE LOCATED WHEN BUS IS AT STATION PLATFORM
 - 5'x8' AT FIRST AND THIRD DOORS
 - 6.5'x8' AT SECOND DOOR
 - PATRON WAITING AREA AND STRUCTURE ZONE
 - FARE COLLECTION EQUIPMENT
 - COMMUNICATIONS AND ELECTRICAL EQUIPMENT
 - BENCHES, WASTE AND RECYCLING RECEPTACLES
 - SIGNAGE
 - POTENTIAL SHELTER AND CANOPY STRUCTURE
 - COVERED WINDSCREEN/SHELTER AREAS
 - BOARDING EDGE
 - ADA DETECTABLE WARNING AT EDGE OF PLATFORM
 - ADA DOOR MAT POSITIONING INDICATOR
 - (2) 2'x2' DETECTABLE WARNING TILES

- GENERAL PLATFORM NOTE:**
- PLATFORM PLANS ILLUSTRATE VARIOUS SIZE AND ACCESS CONFIGURATIONS. COMBINATIONS VARY DUE TO RIDERSHIP, CONTEXT AND SITE CONDITIONS.
 - PLATFORM RAMPS ARE LESS THAN 5%



8' X 130' STATION PLATFORM LAYOUT – PLAN
UNION DEPOT – RAMP ACCESS AT BOTH ENDS

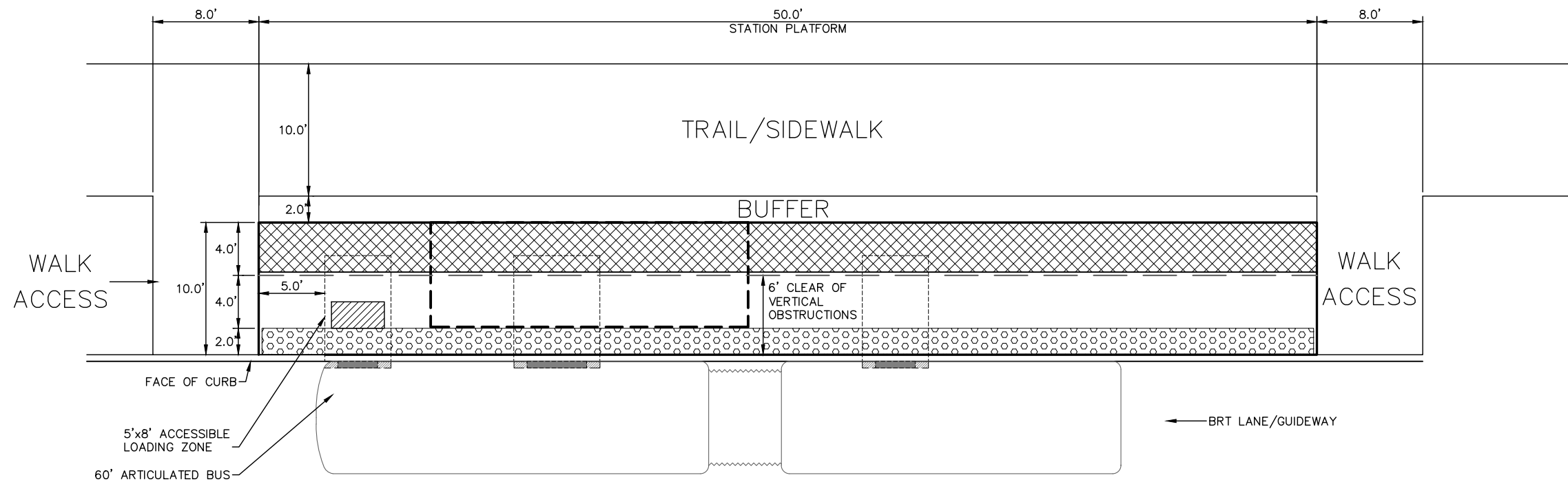
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RUSH LINE BRT PROJECT
PLATFORM PLANS
15% PLANS - 08/07/2020



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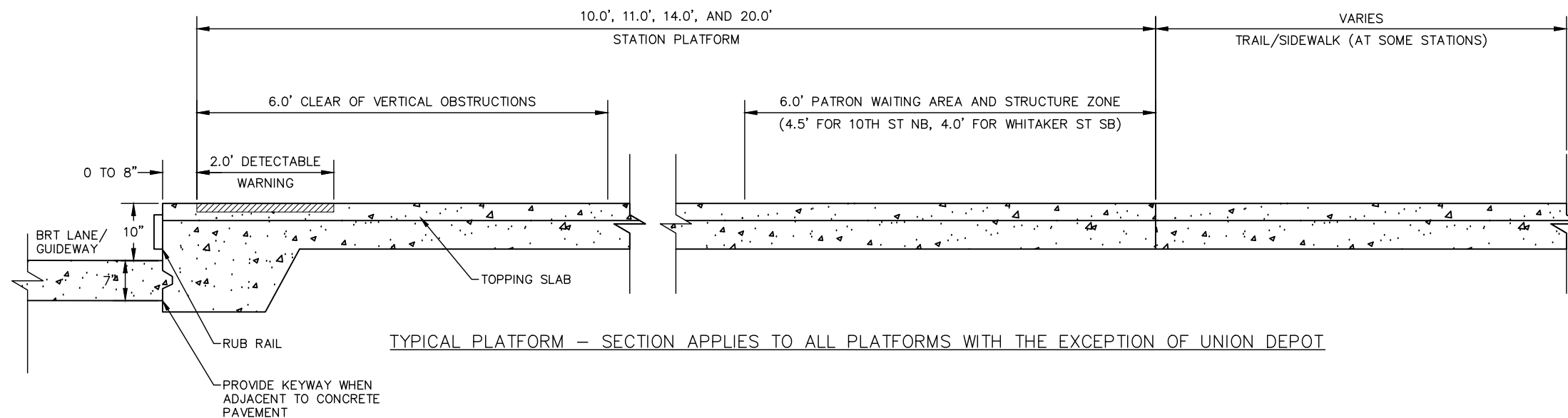


10' X 80' STATION PLATFORM LAYOUT - PLAN
WHITAKER STREET - SOUTHBOUND WALK ACCESS AT BOTH ENDS

- STATION PLATFORM ELEMENTS:**
- PATRON CIRCULATION ZONE
 - CLEAR OF OBSTRUCTIONS
 - WIDE ENOUGH TO ALLOW COMFORTABLE PASSAGE OF TWO PEOPLE
 - BUS LOADING AND UNLOADING ZONE
 - AREAS WHERE VEHICLE DOORS ARE LOCATED WHEN BUS IS AT STATION PLATFORM
 - 5'x8' AT FIRST AND THIRD DOORS
 - 6.5'x8' AT SECOND DOOR
 - PATRON WAITING AREA AND STRUCTURE ZONE
 - FARE COLLECTION EQUIPMENT
 - COMMUNICATIONS AND ELECTRICAL EQUIPMENT
 - BENCHES, WASTE AND RECYCLING RECEPTACLES
 - SIGNAGE
 - POTENTIAL SHELTER AND CANOPY STRUCTURE
 - COVERED WINDSCREEN/SHELTER AREAS
 - BOARDING EDGE
 - ADA DETECTABLE WARNING AT EDGE OF PLATFORM
 - ADA DOOR MAT POSITIONING INDICATOR
 - (2) 2'x2' DETECTABLE WARNING TILES

GENERAL PLATFORM NOTE:

- PLATFORM PLANS ILLUSTRATE VARIOUS SIZE AND ACCESS CONFIGURATIONS. COMBINATIONS VARY DUE TO RIDERSHIP, CONTEXT AND SITE CONDITIONS.
- PLATFORM RAMPS ARE LESS THAN 5%

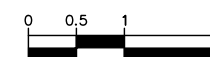


TYPICAL PLATFORM - SECTION APPLIES TO ALL PLATFORMS WITH THE EXCEPTION OF UNION DEPOT

DRAFT-WORK IN PROCESS



RUSH LINE BRT PROJECT
PLATFORM PLAN AND SECTION
15% PLANS - 08/07/2020



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