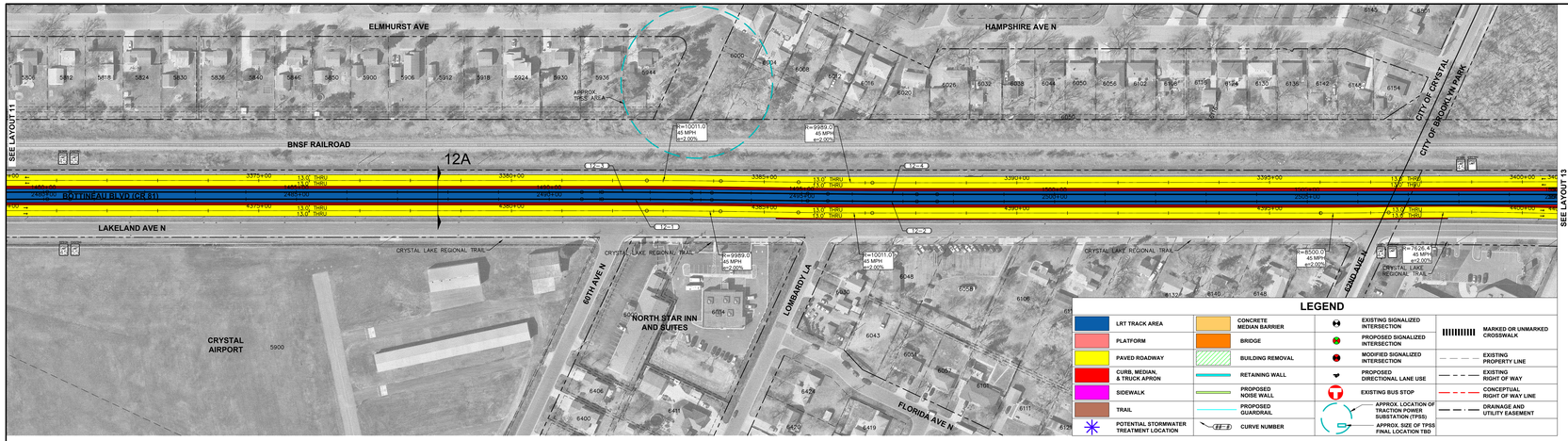


CURVE NO 12-1	
R	= 22000.00'
Lc	= 177.11'
Ls	= 40.00'
Es	= 0.00'
Eu	= 0.54'
Vd	= 55 MPH

CURVE NO 12-2	
R	= 22014.00'
Lc	= 176.31'
Ls	= 40.00'
Es	= 0.00'
Eu	= 0.54'
Vd	= 55 MPH

CURVE NO 12-3	
R	= 22014.00'
Lc	= 177.24'
Ls	= 40.00'
Es	= 0.00'
Eu	= 0.54'
Vd	= 55 MPH

CURVE NO 12-4	
R	= 22000.00'
Lc	= 176.18'
Ls	= 40.00'
Es	= 0.00'
Eu	= 0.54'
Vd	= 55 MPH

IMPORTANT NOTE

- MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS IN ACCORDANCE WITH MINNESOTA STATUTE 473.3994.
- THESE LAYOUTS HAVE BEEN UPDATED FROM 30% DESIGN LAYOUTS TO REFLECT ITEMS IDENTIFIED FOR INCLUSION IN MUNICIPAL CONSENT APPROVAL.

LAYOUT HISTORY

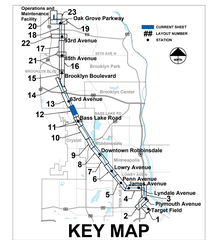
DATE	DESCRIPTION
02/14/2024	FIRST SUBMITTAL – 30% DESIGN LAYOUT/DRAFT MUNICIPAL CONSENT LAYOUT
07/26/2024	SECOND SUBMITTAL – MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS

LAYOUT NOTES

- THIS LAYOUT IS A DRAFT WORK IN PROCESS AND IS SUBJECT TO CHANGE.
- TRAFFIC OPERATIONS ARE PROPOSED AS FOLLOWS: BOTTINEAU BLVD (CR 81) FROM LOMBY TO HIGHWAY 100 IS AN 2SDM ROUTE, A HOUSE MOVING ROUTE, AND SUPERLOAD CORRIDOR.
- TRACK OPERATING PROFILES ARE PROVIDED ON SEPARATE SHEET.
- TRACK OPERATING SPEED IS 45MPH OR LESS THROUGH INTERSECTIONS.
- PEDESTRIAN AND TRAFFIC MARKINGS ARE SHOWN FOR CLARIFICATION PURPOSES ONLY AND DO NOT REPRESENT ACTUAL PAVEMENT MARKINGS.

POTENTIAL DESIGN EXCEPTIONS

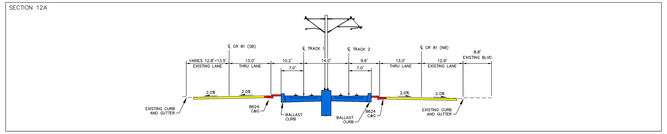
NONE ANTICIPATED AT THIS TIME.



KEY MAP

LEGEND

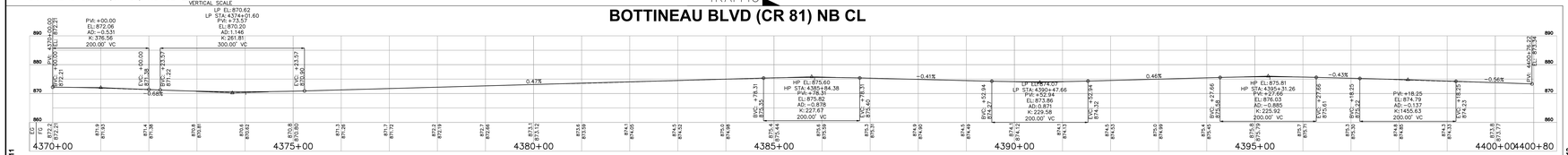
LRT TRACK AREA	CONCRETE MEDIAN BARRIER	EXISTING SIGNALIZED INTERSECTION	MARKED OR UNMARKED CROSSWALK
PLATFORM	BRIDGE	PROPOSED SIGNALIZED INTERSECTION	EXISTING PROPERTY LINE
PAVED ROADWAY	BUILDING REMOVAL	MODIFIED SIGNALIZED INTERSECTION	EXISTING RIGHT OF WAY
CURB, MEDIAN, & TRUCK APRON	RETAINING WALL	PROPOSED DIRECTIONAL LANE USE	PROPOSED NOISE WALL
SIDEWALK	PROPOSED NOISE WALL	EXISTING BUS STOP	CONCEPTUAL RIGHT OF WAY LINE
TRAIL	PROPOSED GUARDRAIL	APPROX. LOCATION OF TRACTION POWER SUBSTATION (TPSS)	DRAINAGE AND UTILITY EASEMENT
POTENTIAL STORMWATER TREATMENT LOCATION	CURVE NUMBER	APPROX. SIZE OF TPSS FINAL LOCATION TBD	



TRAFFIC

BOTTINEAU BLVD (CR 81) NB CL

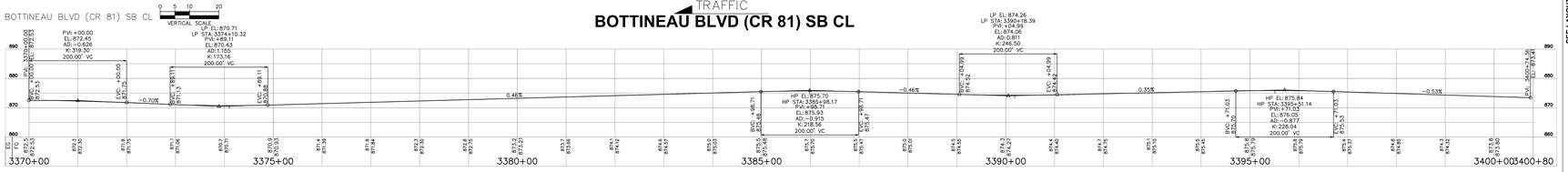
BOTTINEAU BLVD (CR 81) NB CL — VERTICAL SCALE 0 5 10 20



TRAFFIC

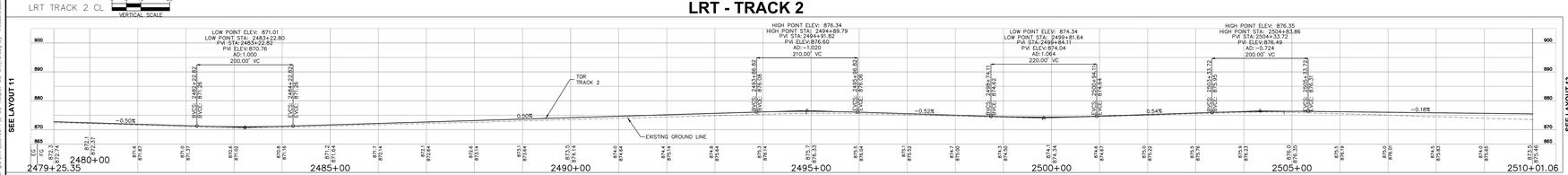
BOTTINEAU BLVD (CR 81) SB CL

BOTTINEAU BLVD (CR 81) SB CL — VERTICAL SCALE 0 5 10 20



LRT - TRACK 2

LRT TRACK 2 CL — VERTICAL SCALE 0 5 10 20



SEE LAYOUT 11 — SEE LAYOUT 13

DRAFT-WORK IN PROCESS

METRO BLUE LINE EXTENSION	CITY OF CRYSTAL/CITY OF BROOKLYN PARK	BLUE LINE EXTENSION CITY OF CRYSTAL/CITY OF BROOKLYN PARK MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS	HILDEN	LAYOUT 12 OF 23	07/26/2024 R00	VERTICAL SCALE 0 5 10 20 SCALE 0 30 60 120

METROPOLITAN COUNCIL — Kimley»Horn

Jul. 17, 2024 - 09:39 am - C:\Jobs\Hilden\MSP\Civil\Cad\Sheets\MSP_Civil_12.dwg By: Theodore.Gombosi

LEGEND

LRT TRACK AREA	CONCRETE MEDIAN BARRIER	EXISTING SIGNALIZED INTERSECTION	MARKED OR UNMARKED CROSSWALK
PLATFORM	BRIDGE	PROPOSED SIGNALIZED INTERSECTION	
PAVED ROADWAY	BUILDING REMOVAL	MODIFIED SIGNALIZED INTERSECTION	EXISTING PROPERTY LINE
CURB, MEDIAN, & TRUCK APRON	RETAINING WALL	PROPOSED DIRECTIONAL LANE USE	EXISTING RIGHT OF WAY
SIDEWALK	PROPOSED NOISE WALL	EXISTING BUS STOP	CONCEPTUAL RIGHT OF WAY LINE
TRAIL	PROPOSED GUARDRAIL	APPROX LOCATION OF TRACTION POWER SUBSTATION (TPSS)	DRAINAGE AND UTILITY EASEMENT
POTENTIAL STORMWATER TREATMENT LOCATION	CURVE NUMBER	APPROX SIZE OF TPSS FINAL LOCATION TBD	

LAYOUT HISTORY

DATE	DESCRIPTION
05/16/2024	FIRST SUBMITTAL – 30% DESIGN (LRT) DRAFT MUNICIPAL CONSENT LAYOUT
07/26/2024	SECOND SUBMITTAL – MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS

LAYOUT NOTES

1. "NO CONSTRUCTION" OR "NO WORK" SHOWN ON THIS LAYOUT OR TYPICAL SECTIONS IS REQUIRED TO MAINTAIN EXISTING ACCOMMODATIONS ALL MUST ALSO REMAIN.
2. ALL PROPOSED PEDESTRIAN ACCOMMODATIONS WILL MEET OR EXCEED THE DESIGN CRITERIA.
3. ALL PROPOSED TRAIL WIDTHS ARE MEASURED TO EDGE OF PAVEMENT, NOT INCLUDING CURBING.
4. TRUCK MOVEMENTS SHOWN IS WHERE AT LEAST TWO LANES ARE PROVIDED.
5. TRUCK MOVEMENTS SHOWN ON THIS LAYOUT ARE FOR CONSTRUCTION PURPOSES ONLY, AND DO NOT REPRESENT ACTUAL PLANNED MOVEMENTS.

POTENTIAL DESIGN EXCEPTIONS

NONE ANTICIPATED AT THIS TIME.

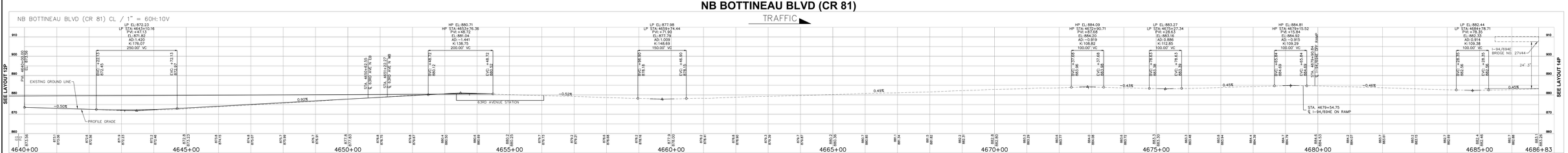
Operations and Maintenance Facility
Park & Ride
Bass Creek Park
Bass Creek Drive Parkway
Bass Creek Pathway
69th Avenue
Brooklyn Park
Brooklyn Boulevard
Zane Avenue
Zane Avenue
Noble Avenue
Noble Avenue
Lilac Lake Road
Lilac Lake Road
Downtown Brooklyn Park
Lowry Avenue
Lowry Avenue
Lowry Avenue Bridge
Lowry Avenue Bridge
Lowry Avenue
Lowry Avenue
Regional Trail
Regional Trail
Regional Trail

IMPORTANT NOTE

- MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS IN ACCORDANCE WITH MINNESOTA STATUTE SEC. 473.3994.
- THESE PLANS HAVE BEEN UPDATED FROM 30% DESIGN LAYOUTS TO REFLECT ITEMS IDENTIFIED FOR INCLUSION IN MUNICIPAL CONSENT APPROVAL.

SB BOTTINEAU BLVD (CR 81)

NB BOTTINEAU BLVD (CR 81)



DRAFT-WORK IN PROCESS

METRO BLUE LINE EXTENSION	CITY OF BROOKLYN PARK	BLUE LINE EXTENSION CITY OF BROOKLYN PARK MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS	LAYOUT 13P OF 23	07/26/2024 R00	VERTICAL SCALE 0 5 10 20 SCALE 0 30 60 120 METROPOLITAN COUNCIL Kimley»Horn SRF

Jul. 17, 2024 - 08:56 am C:\Users\ANichols\Desktop\Layout Tools\3x3\3x3_12Hv1.dgn - Plotted: Mon, 22 Jul 2024 By: ANichols

LEGEND

LRT TRACK AREA	CONCRETE MEDIAN BARRIER	EXISTING SIGNALIZED INTERSECTION	MARKED OR UNMARKED CROSSWALK
PLATFORM	BRIDGE	PROPOSED SIGNALIZED INTERSECTION	
PAVED ROADWAY	BUILDING REMOVAL	MODIFIED SIGNALIZED INTERSECTION	EXISTING PROPERTY LINE
CURB, MEDIAN, & TRUCK APRON	RETAINING WALL	PROPOSED DIRECTIONAL LANE USE	EXISTING RIGHT OF WAY
SIDEWALK	PROPOSED NOISE WALL	EXISTING BUS STOP	CONCEPTUAL RIGHT OF WAY LINE
TRAIL	PROPOSED GUARDRAIL	APPROX LOCATION OF TRACTION POWER SUBSTATION (TPSS)	DRAINAGE AND UTILITY EASEMENT
POTENTIAL STORMWATER TREATMENT LOCATION	CURVE NUMBER	APPROX SIZE OF TPSS/ FINAL LOCATION TBD	

LAYOUT NOTES

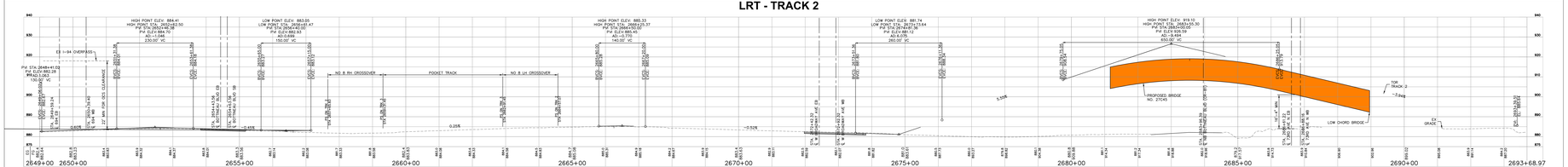
1. TRUCK CROSSOVER TO DEPOT MAIN IS PROVIDED AND IS SUBJECT TO CHANGE.
2. ALL TRACK CENTERLINE DIMENSIONS ARE TO THE NEAREST RAIL OF ADJACENT TRACK.
3. ALIGNMENT, BLVD (CRS) IS A HOUSE MOVING ROUTE BUT NOT AN OSOW OR SUPERLOAD ROUTE.
4. TRACK 1 CENTERLINE STATIONS ARE PROVIDED ON DRAWING SHEET 2.
5. ROADWAY CENTERLINE STATIONS ARE PROVIDED ON DRAWING SHEET 3.
6. ALL DIMENSIONS ARE IN FEET AND DECIMAL FEET UNLESS OTHERWISE NOTED.
7. ADD TO ALL ROADWAY ARROW TO ARROW DIMENSIONS FOR CONSTRUCTION PURPOSES ONLY.

POTENTIAL DESIGN EXCEPTIONS

NONE ANTICIPATED AT THIS TIME.

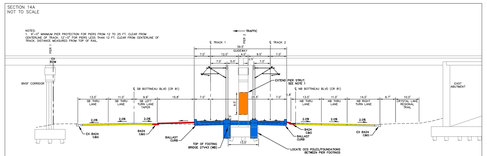
KEY MAP

LRT - TRACK 2

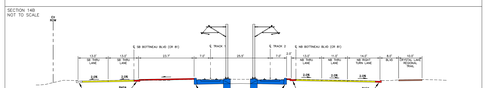


SECTION 14A
NOT TO SCALE

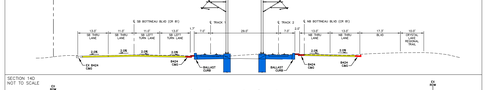
NOTES:
1. 6'-0" MINIMUM PIER PROTECTION FOR PIERS FROM 10' TO 25 FT. CLEAR FROM CENTERLINE OF TRACK. 12'-0" FOR PIERS LESS THAN 10 FT. CLEAR FROM CENTERLINE OF TRACK. SEE STANDARD PLAN 5-397.814.



SECTION 14B
NOT TO SCALE



SECTION 14C
NOT TO SCALE



SECTION 14D
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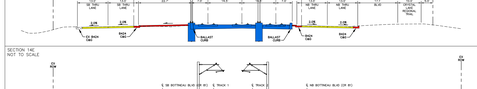
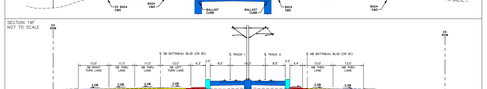
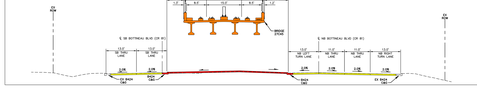


SECTION 14E
NOT TO SCALE



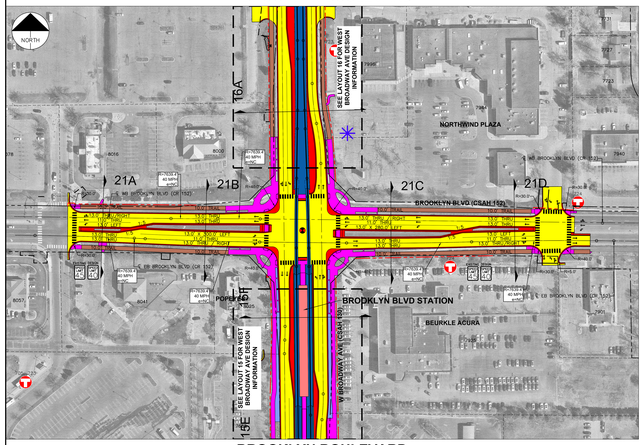
SECTION 14F
NOT TO SCALE

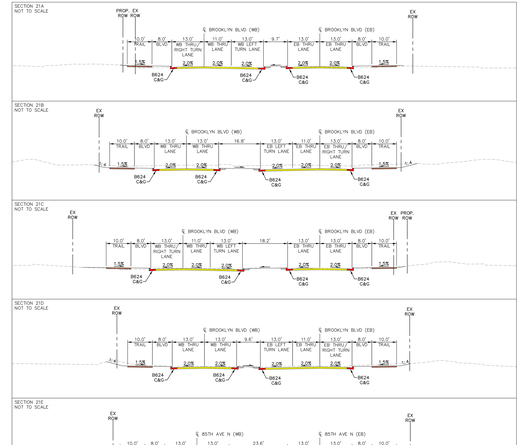


SECTION 14G
NOT TO SCALE

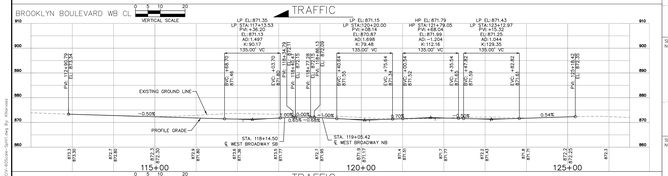
METROPOLITAN

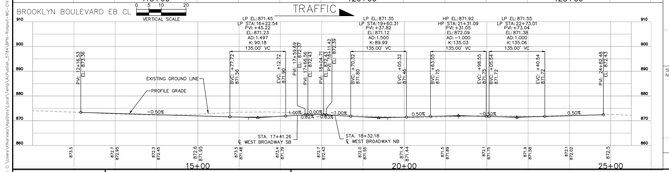
BROOKLYN BOULEVARD





BROOKLYN BOULEVARD





LAYOUT HISTORY

DATE	DESCRIPTION
01/16/2024	PDC SUBMITTAL - 30% DESIGN LAYOUT/DRAFT MUNICIPAL CONSENT LAYOUT
01/26/2024	SECOND SUBMITTAL - MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS

LAYOUT NOTES

1. THIS LAYOUT IS A DRAFT MEANT TO PROVIDE WAY TO DISCUSS TO ENABLE FEEDBACK AND ITERATIVE DESIGN PROCESS. IT IS NOT INTENDED TO BE USED FOR FINAL OPERATIONAL STUDY OR AGENCY OR CITY APPROVAL OR CONSTRUCTION.
2. THIS LAYOUT IS FOR PLANNING AND CONCEPTUAL IDENTIFICATION PURPOSES ONLY AND DO NOT REPRESENT ACTUAL PAVEMENT MARKINGS.

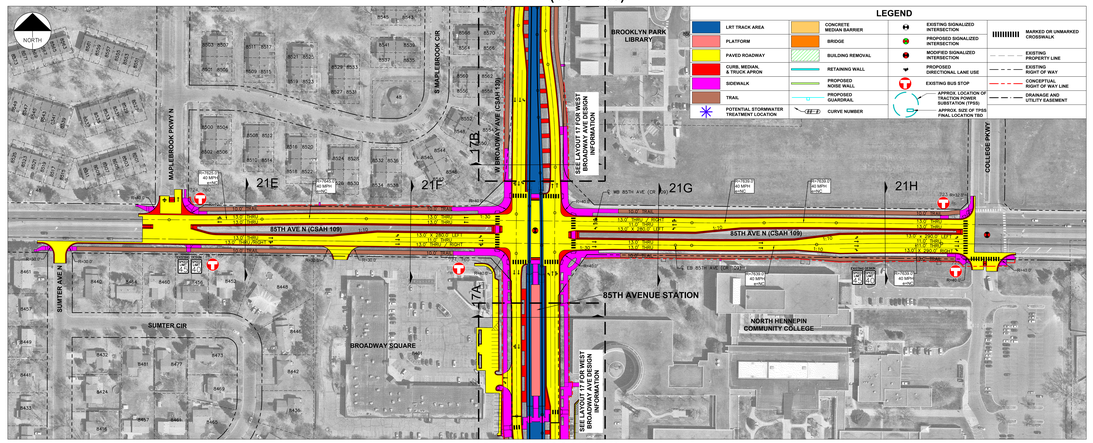
POTENTIAL DESIGN EXCEPTIONS

NONE ANTICIPATED AT THIS TIME.

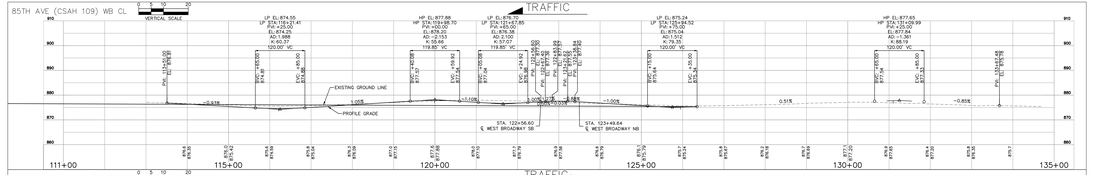
IMPORTANT NOTE

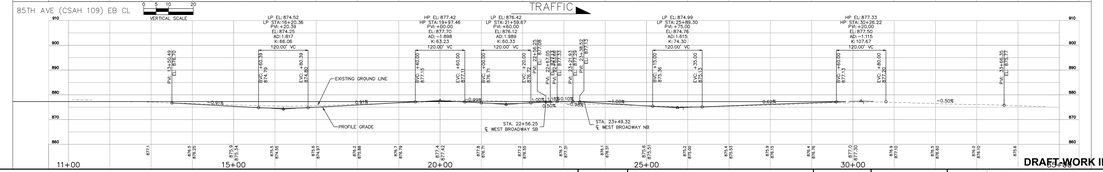
MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS IN ACCORDANCE WITH MINNESOTA STATUTES 160.165(2)(b). ADDITIONAL DESIGN DETAILS TO BE REVIEW DURING TO REQUEST FINAL APPROVAL FOR MUNICIPAL CONSENT APPROVAL.

85TH AVE (CSAH 109)



85TH AVE (CSAH 109)





DRAFT WORK IN PROCESS

CITY OF BROOKLYN PARK

BLUE LINE EXTENSION

CITY OF BROOKLYN PARK

MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS

NORTH

LAYOUT 21 OF 23

07/26/2024

R00

0 30 60 120

SCALE

METROPOLITAN COUNCIL

Kimley»Horn

SRF

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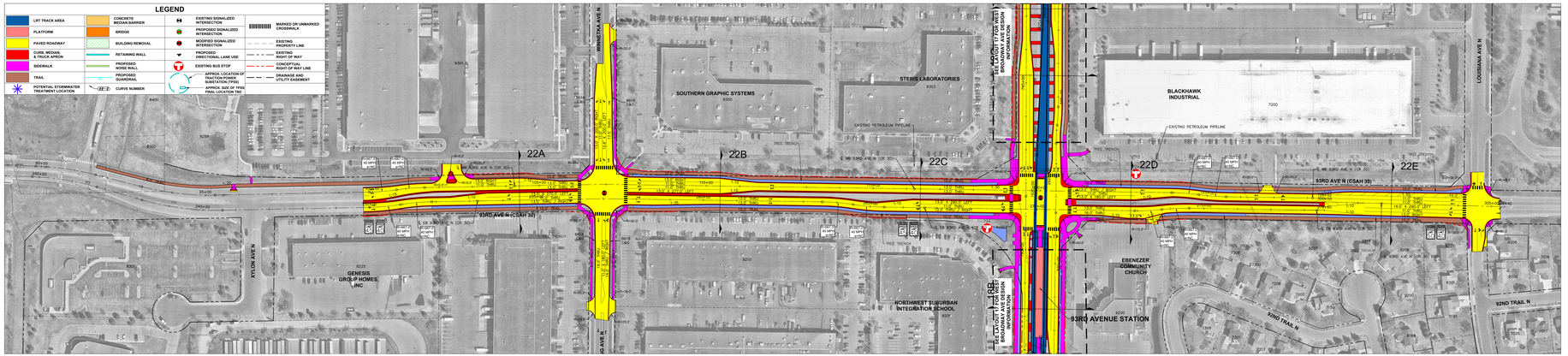
93RD AVE N (CSAH 30)



LAYOUT HISTORY

DATE	DESCRIPTION
06/14/2024	30% SUBMITTAL - 30% DESIGN LAYOUTS/DRAFT MUNICIPAL CONSENT LAYOUT
07/26/2024	30/60 SUBMITTAL - MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS

LAYOUT NOTES

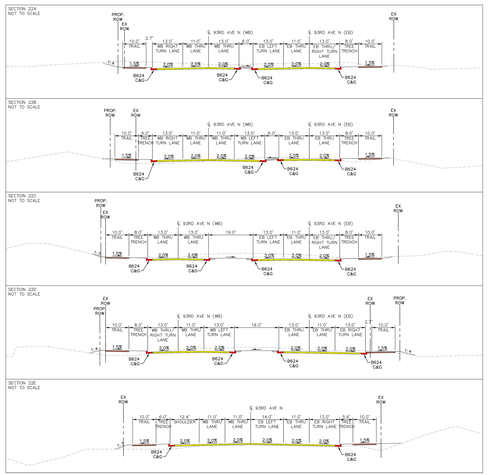
1. THE CONCEPT OF A TRAIL NEAR 2 DRIVEWAYS MUST BE AGREED TO DURING ALL PROPOSED PEDESTRIAN ACCOMMODATION WILL MEET ADA STANDARDS.
2. ALL PROPOSED PEDESTRIAN ACCOMMODATION WILL MEET ADA STANDARDS.
3. EXISTING AND PROPOSED UTILITIES SHOWN ARE APPROXIMATE LOCATIONS FOR ILLUSTRATION PURPOSES ONLY AND DO NOT REPRESENT ACTUAL ACCURACY WARRANTED.

POTENTIAL DESIGN EXCEPTIONS

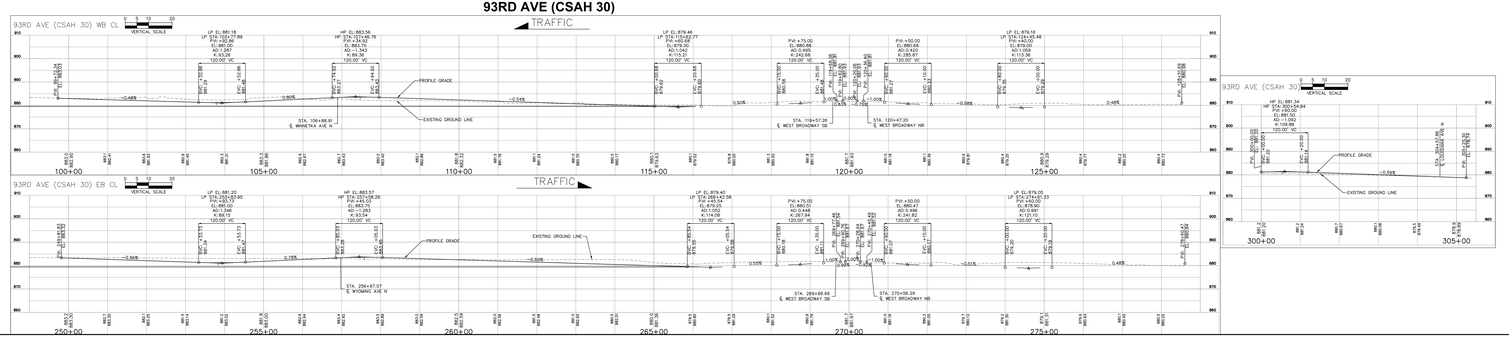
NONE ANTICIPATED AT THIS TIME.

IMPORTANT NOTE

ALIGNMENTS, CONCEPT, PRELIMINARY DESIGN PLANS IS INTENDED TO MEET MINNESOTA STATE AID STANDARDS.
ANY DEVIATIONS FROM THESE STANDARDS SHALL BE NOTED AND JUSTIFICATION PROVIDED FOR INCLUSION IN MUNICIPAL CONSENT APPROVAL.



93RD AVE (CSAH 30)



DRAFT-WORK IN PROCESS

CITY OF BROOKLYN PARK

BLUE LINE EXTENSION
CITY OF BROOKLYN PARK
MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS

LAYOUT 22 OF 23

07/26/2024
R00

SCALE

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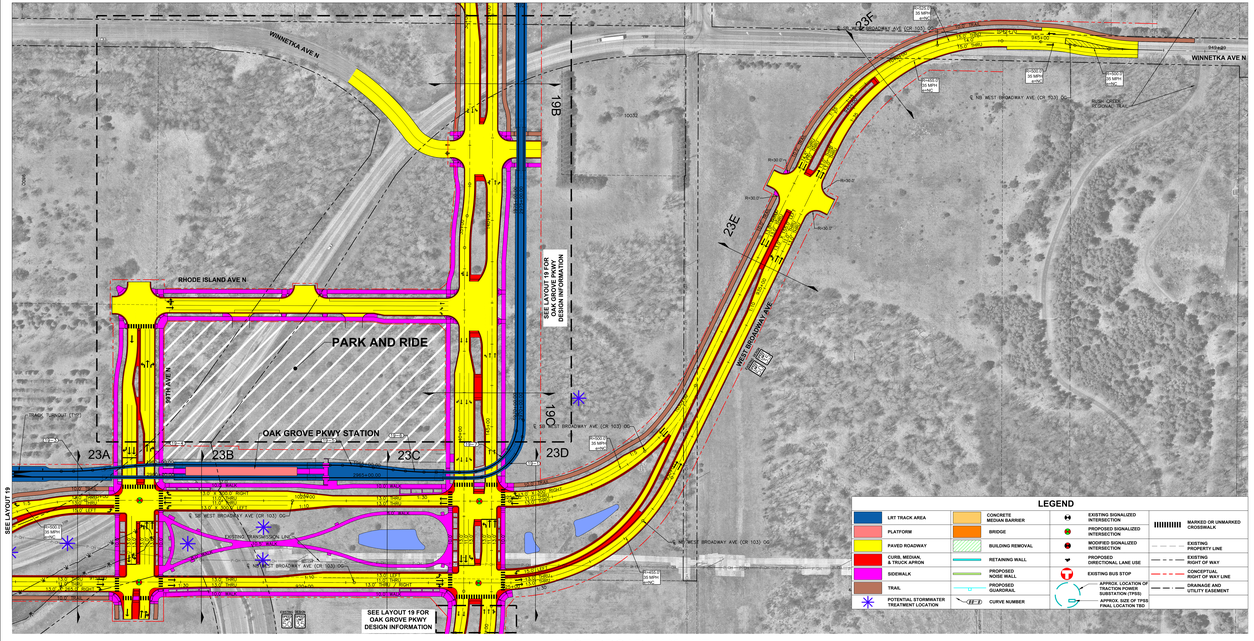
Kimley»Horn
SRF



WEST BROADWAY AVE

LAYOUT HISTORY

DATE	DESCRIPTION
05/16/2024	FIRST SUBMITTAL – 30% DESIGN LAYOUT/DRAFT MUNICIPAL CONSENT LAYOUT
07/26/2024	SECOND SUBMITTAL – MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS

LAYOUT NOTES

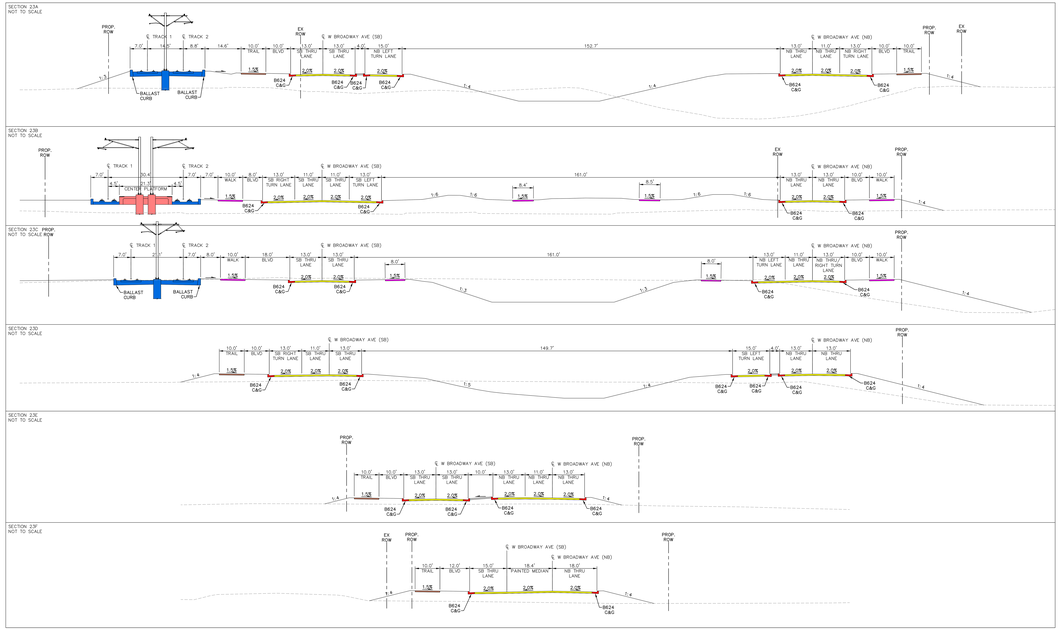
1. THIS LAYOUT IS A DRAFT PLAN SUBMISSION AND IS SUBJECT TO CHANGE.
2. ALL PROPOSED ROADWAYS ARE 2-WAY EXCEPT AS NOTED.
3. ALL PROPOSED ROADWAYS ARE CONSTRUCTED TO MEET MNDOT STANDARDS.
4. TRACK OPERATING SPEED IS SHOWN ON LRT VEHICLE INTERSECTIONS.
5. ALL PROPOSED ROADWAY SPEEDS ARE SHOWN ON VEHICLE INTERSECTION PHOTOS ONLY AND DO NOT REPRESENT ACTUAL PLANNED MARKINGS.

POTENTIAL DESIGN EXCEPTIONS

NONE ANTICIPATED AT THIS TIME.

IMPORTANT NOTE

SLIGHTLY DENSER PAVEMENT LINE DATA IS INTENDED TO BE MINIMUM EVENT OF CHANGE.
THE ACTUAL LINE WORK AFFECTED WILL BE DESIGN LAYOUTS TO REFLECT ITEMS IDENTIFIED FOR REVISION IN MUNICIPAL CONSENT APPROVAL.



DRAFT-WORK IN PROCESS

METROPOLITAN COUNCIL	CITY OF BROOKLYN PARK	BLUE LINE EXTENSION CITY OF BROOKLYN PARK MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS	NORTH	LAYOUT 23 OF 23	07/26/2024 R00	0 30 60 120 SCALE: 1" = 60'	METROPOLITAN COUNCIL · Kimley»Horn · SRF

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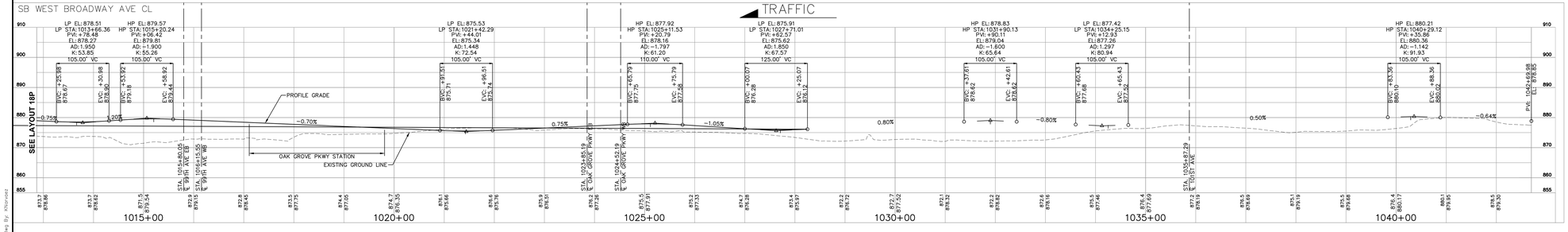
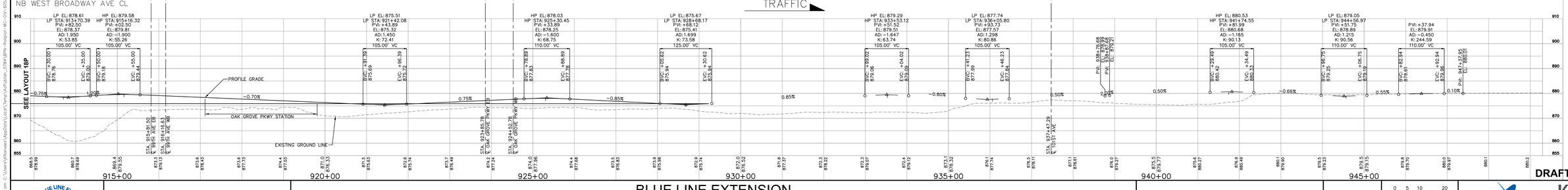
IMPORTANT NOTE

- MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS IN ACCORDANCE WITH MINNESOTA STATUTE SEC. 473.3994.
- THESE LAYOUTS HAVE BEEN UPDATED FROM 30% DESIGN LAYOUTS TO REFLECT ITEMS IDENTIFIED FOR INCLUSION IN MUNICIPAL CONSENT APPROVAL.

SB WEST BROADWAY AVE



NB WEST BROADWAY AVE



DRAFT-WORK IN PROCESS

CITY OF BROOKLYN PARK

BLUE LINE EXTENSION
CITY OF BROOKLYN PARK
MUNICIPAL CONSENT PRELIMINARY DESIGN PLANS

LAYOUT 23P OF 23

07/26/2024
R00

VERTICAL SCALE 0 5 10 20
SCALE 0 30 60 120

METROPOLITAN COUNCIL

Kimley»Horn
SRF

Jul. 11, 2024 - 11:05 am S:\Users\Whitehead\Desktop\Local\Temp\AcPublish_37944\BPH-Revised-MC-Civ-455Size-Split2.dwg By: Whitehead