

SOUTHWEST

Green Line LRT Extension



Corridor Management Committee

May 1, 2013





Today's Topics

- Legislative Update
- FTA 2014 New Starts Annual Report
- Technical Issue #23 – Operations & Maintenance Facility (OMF)
- Technical Issue #6 – Opus Station
- Technical Issue #7 – Opus Hill
- Technical Issue #8 – Shady Oak Station
- Technical Issue #10 – Downtown Hopkins Station
- Technical Issue #14 – Wooddale Station
- Communications and Outreach Update
 - BAC Report
 - CAC Report

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Legislative Update



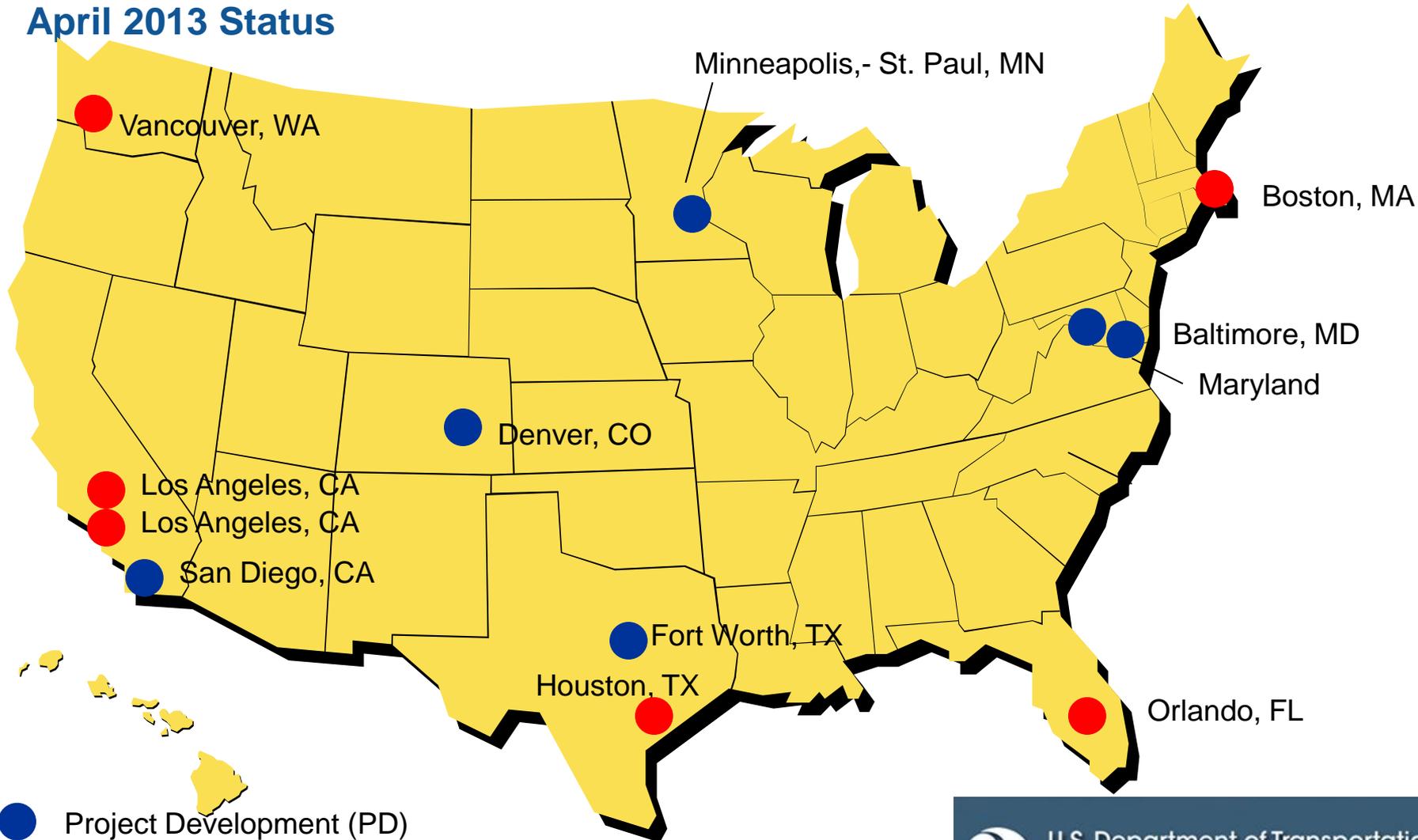


FTA 2014 New Starts Annual Report



Peer “New Starts” PD and Engineering Projects

April 2013 Status



- Project Development (PD)
- Engineering



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SWLRT PE Technical Issues





SWLRT PE Technical Issues



Technical Issues:

1. Eden Prairie Alignment
2. Nine Mile Creek Crossing
3. Golden Triangle Station
4. Shady Oak Road Crossing
5. City West Station and TH 212/TH 62 Flyover Bridges
6. Opus Station
7. Opus Hill/Minnetonka-Hopkins Bridge
8. Shady Oak Station

9. PEC West/PEC East Interface Point

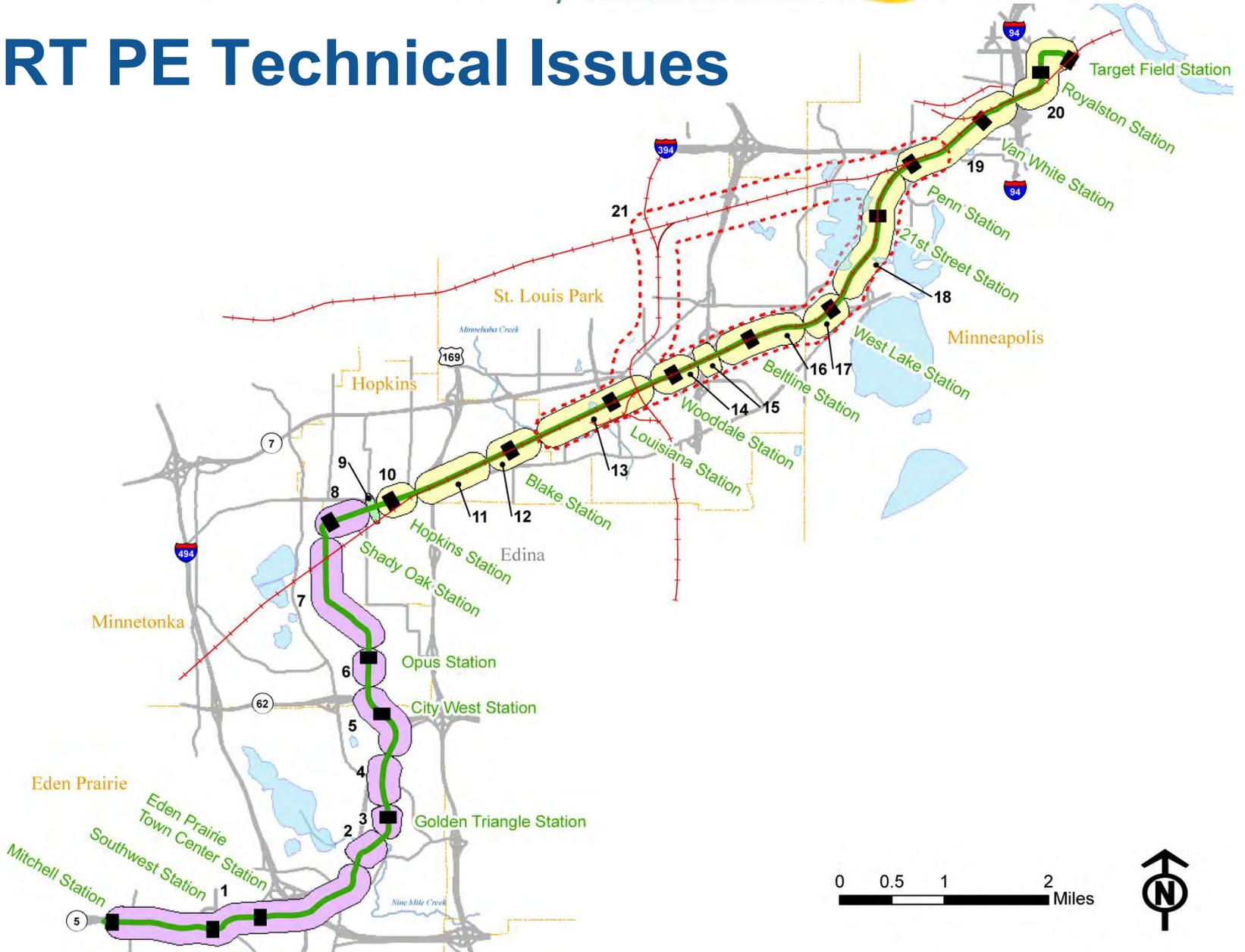
10. Hopkins Station
11. Excelsior Blvd. Crossing
12. Blake Station
13. Louisiana Station
14. Wooddale Station
15. TH 100
16. Beltline Station
17. West Lake Station
18. Kenilworth Corridor
19. Bassett Creek Valley Corridor
20. Royalston Station/Interchange Project Coordination
21. Freight Rail Co-location/Relocation Alternatives

System-wide Technical Issues (not shown):

22. Traction Power Substation and Signal Bungalow Locations
23. Operation & Maintenance Facility (OMF) Location
24. Park & Ride, Kiss & Ride and Bus Layover Locations
25. Trails and LRT Interface Coordination



SWLRT PE Technical Issues



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Operation and Maintenance Facility (OMF) Site



Operations and Maintenance Facility

- OMF Activities:
 - LRV cleaning
 - LRV maintenance
 - LRV storage
- Central Corridor OMF:
 - 180+ jobs



Interior of Blue Line's Franklin OMF



Franklin OMF serving Blue Line (Hiawatha LRT)





Green Line (Central Corridor) OMF Previous Façade





Green Line (Central Corridor) OMF New Façade





Green Line (Central Corridor) OMF New Façade





Storage Tracks

Central Corridor



Hiawatha





OMF Site Selection Process

1

- SPO reviewed DEIS/public comments

2

- SPO developed initial site selection criteria based on DEIS/public comments to identify additional potential OMF sites
 - Site size of 10 to 15 acres
 - Good roadway access to site
 - Efficient LRT train movements to/from
 - Compatible with adjacent land use
 - Flat/rectangular site

3

- SPO identified 18 candidate sites using initial criteria and presented to advisory committees: 3/11 TPAC; 3/27 BAC; 3/28 CAC; 4/3 SWCMC



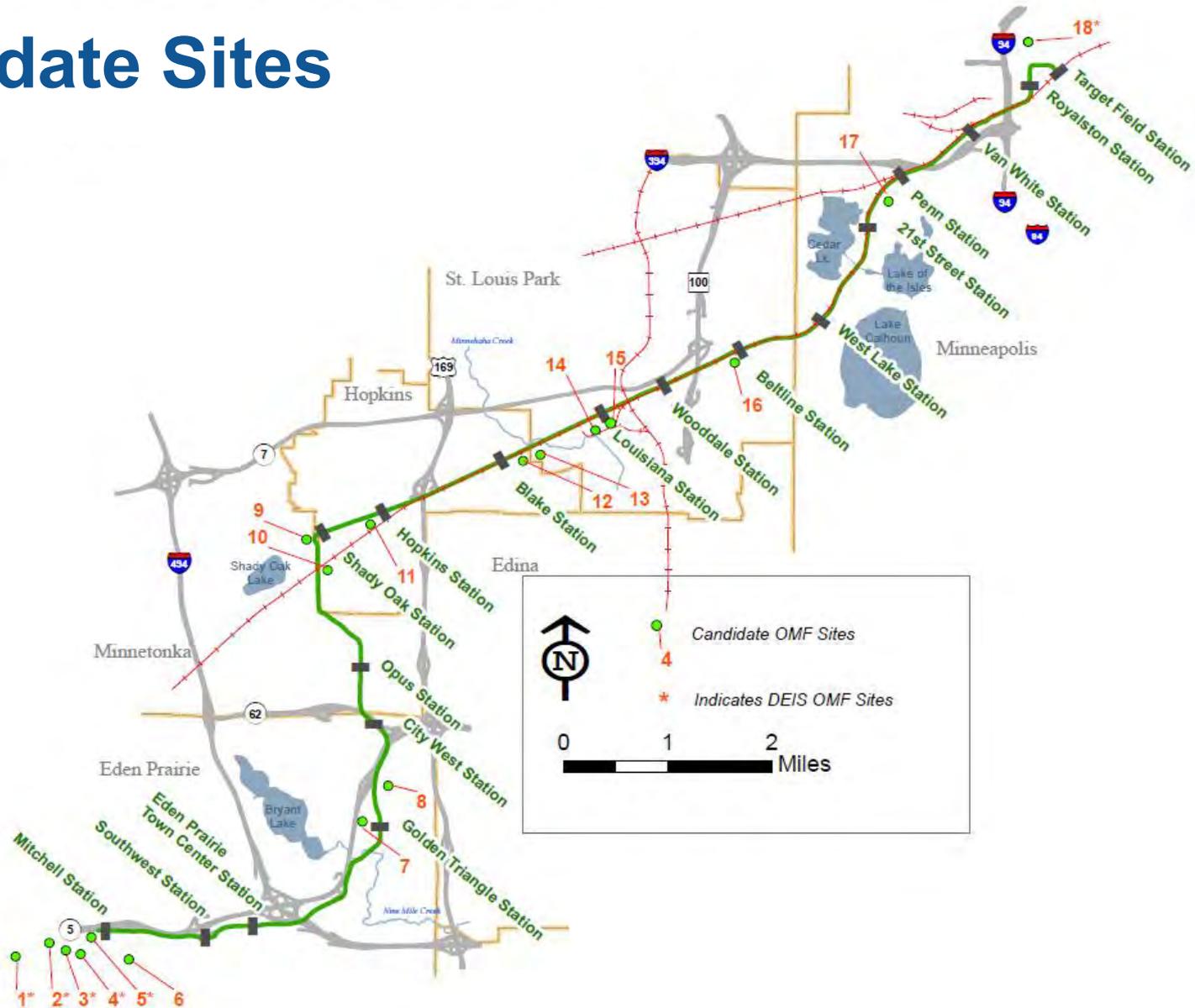
OMF Candidate Sites

* From DEIS

OMF Site #	Description	City
1*	212 ROW	Eden Prairie
2*	Wallace Road	Eden Prairie
3*	City Garage West	Eden Prairie
4*	City Garage East	Eden Prairie
5*	Mitchell West	Eden Prairie
6	Mitchell East	Eden Prairie
7	Flying Cloud/W. 70 th Street	Eden Prairie
8	Shady Oak/W. 70 th Street	Eden Prairie
9	K-Tel	Minnetonka
10	7 th Street (Landfill)	Hopkins
11	11 th Avenue	Hopkins
12	Excelsior West	Hopkins
13	Excelsior East	Hopkins/St. Louis Park
14	Louisiana West	St. Louis Park
15	Louisiana East	St. Louis Park
16	Beltline	St. Louis Park
17 ^{*From DEIS}	Penn	Minneapolis
18*	5 th Street North	Minneapolis



OMF Candidate Sites





OMF Evaluation Criteria

Operational Characteristics

- | | |
|---|-------------------------------------------------------------------|
| 1 | Site Configuration: operational effectiveness |
| 2 | Alignment Proximity/Connectivity: distance/connection to mainline |
| 3 | Alignment Location: geometric position on mainline |
| 4 | Site Access: access for operations staff |

Site Characteristics

- | | |
|----|---------------------------------------------------------------|
| 5 | Adjacent Land Use Compatibility |
| 6 | TOD/Mixed Use/Economic Development Considerations |
| 7 | Zoning |
| 8 | Site & Facilities Cost: facilities, grading, utilities, soils |
| 9 | Real Estate Acquisition: cost, complexity, legalities |
| 10 | Relocation Cost: displaced occupants and uses |
| 11 | Environmental Impact: wetlands, hazardous materials |
| 12 | Cultural Resources: cultural, historical |
| 13 | Stormwater Management: drainage, treatment |



Cities Provided OMF Site Feedback

- Eden Prairie and Minneapolis provided comments on DEIS in Dec. 2012
- St. Louis Park provided a letter April 3
- Hopkins provided a letter April 22
- Minnetonka provided a letter April 26
- Cities also provided verbal comments on finalist sites



OMF Site Selection Process

4

- SPO developed expanded list of criteria and narrowed candidate list to 7 sites; presented at April 11 TPAC

5

- SPO met with cities and discussed the evaluations April 15-18. Feedback included:
 - Additional potential sites identified
 - Compatible adjacent land use
 - Redevelopment/development impacts
 - Impacts to adjacent properties

6

- Minnetonka and Hopkins requested at special April 19 TPAC additional sites be reviewed

7

- SPO reviewed 2 additional sites and assigned rating of “Very Good”; SPO conducting further analysis and developing concept layouts/3-D images for all 9 sites



OMF Preliminary Evaluation Summary

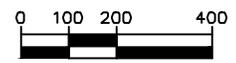
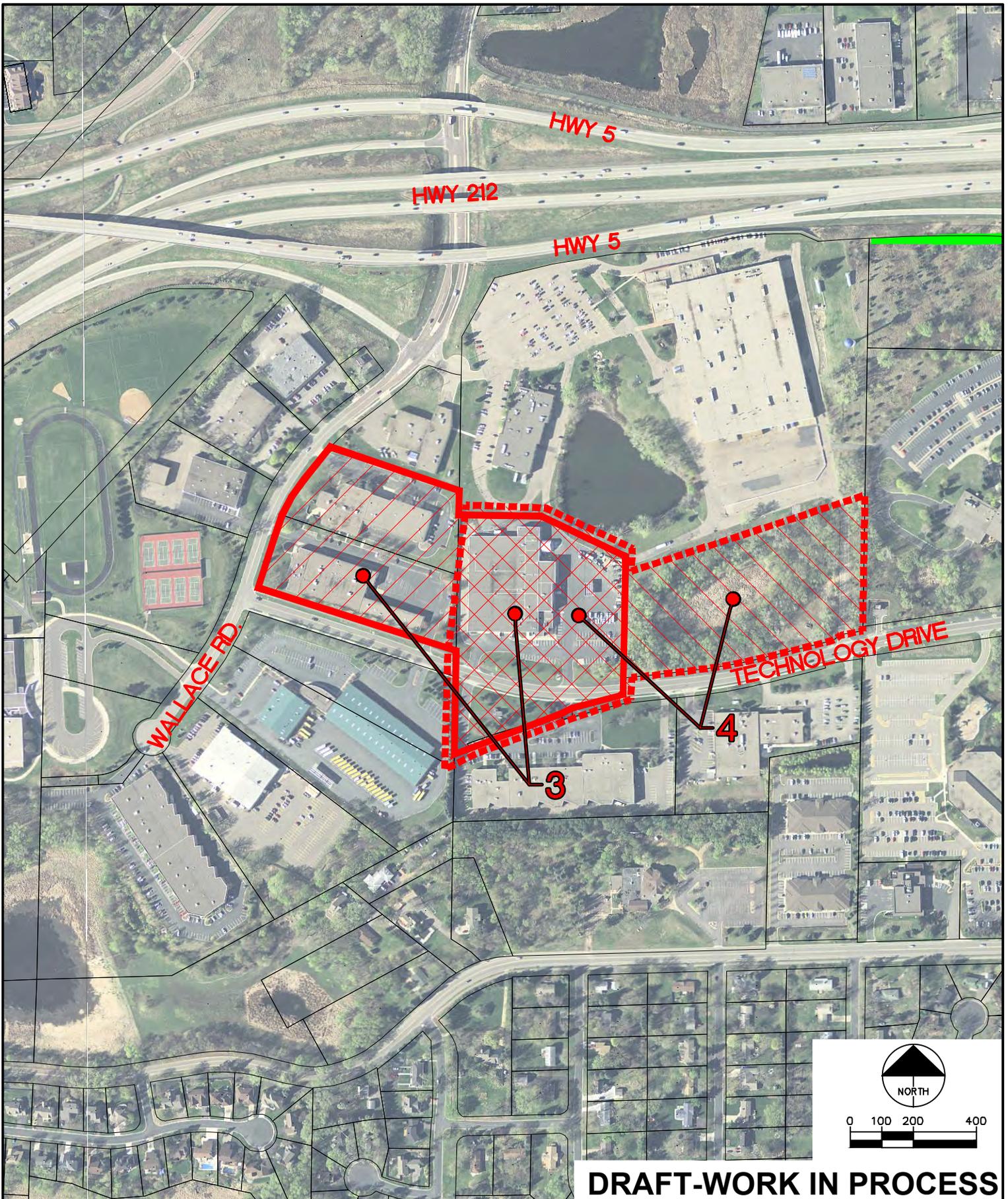
Site No.	OMF Name - Location	Assessment
8	Shady Oak/West 70th Street – Eden Prairie	Excellent
9	K-Tel – Minnetonka	Excellent
12	Excelsior West – Hopkins	Excellent
13	Excelsior East – Hopkins/St. Louis Park	Excellent
3	City Garage West – Eden Prairie	Very Good
4	City Garage East – Eden Prairie	Very Good
6	Mitchell East – Eden Prairie	Very Good
5	Mitchell West – Eden Prairie	Good
7	Flying Cloud/West 70th Street – Eden Prairie	Good
10	7th Street (landfill) – Hopkins	Good
11	11th Avenue – Hopkins	Good
14	Louisiana West – St. Louis Park	Good
15	Louisiana East – St. Louis Park	Good
1	212 ROW – Eden Prairie	Unacceptable
2	Wallace Road – Eden Prairie	Unacceptable
16	Beltline – St. Louis Park	Unacceptable
17	Penn – Minneapolis	Unacceptable
18	5th Street North - Minneapolis	Unacceptable



OMF Prel. Evaluation + Additional Sites

Site No.	OMF Name - Location	Assessment
8	Shady Oak/West 70th Street – Eden Prairie	Excellent
9	K-Tel – Minnetonka	Excellent
12	Excelsior West – Hopkins	Excellent
13	Excelsior East – Hopkins/St. Louis Park	Excellent
3	City Garage West – Eden Prairie	Very Good
4	City Garage East – Eden Prairie	Very Good
6	Mitchell East – Eden Prairie	Very Good
9A	K-Tel East – Minnetonka	Very Good
11A	11th Avenue West – Hopkins	Very Good
5	Mitchell West – Eden Prairie	Good
7	Flying Cloud/West 70th Street – Eden Prairie	Good
10	7th Street (landfill) – Hopkins	Good
11	11th Avenue – Hopkins	Good
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15	Louisiana East – St. Louis Park	Good
1	212 ROW – Eden Prairie	Unacceptable
2	Wallace Road – Eden Prairie	Unacceptable
16	Beltline – St. Louis Park	Unacceptable
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18	5th Street North - Minneapolis	Unacceptable

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DRAFT-WORK IN PROCESS



SOUTHWEST LIGHT RAIL
 OPERATIONS AND MAINTENANCE FACILITY SITE ALTERNATIVES
 IRT #23 (4/19/13)
 1 OF 6

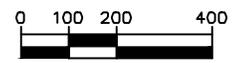
**MITCHELL ROAD
STATION**

HWY 212/5

MITCHELL ROAD

TECHNOLOGY DR.

6



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SOUTHWEST LIGHT RAIL

OPERATIONS AND MAINTENANCE FACILITY SITE ALTERNATIVES

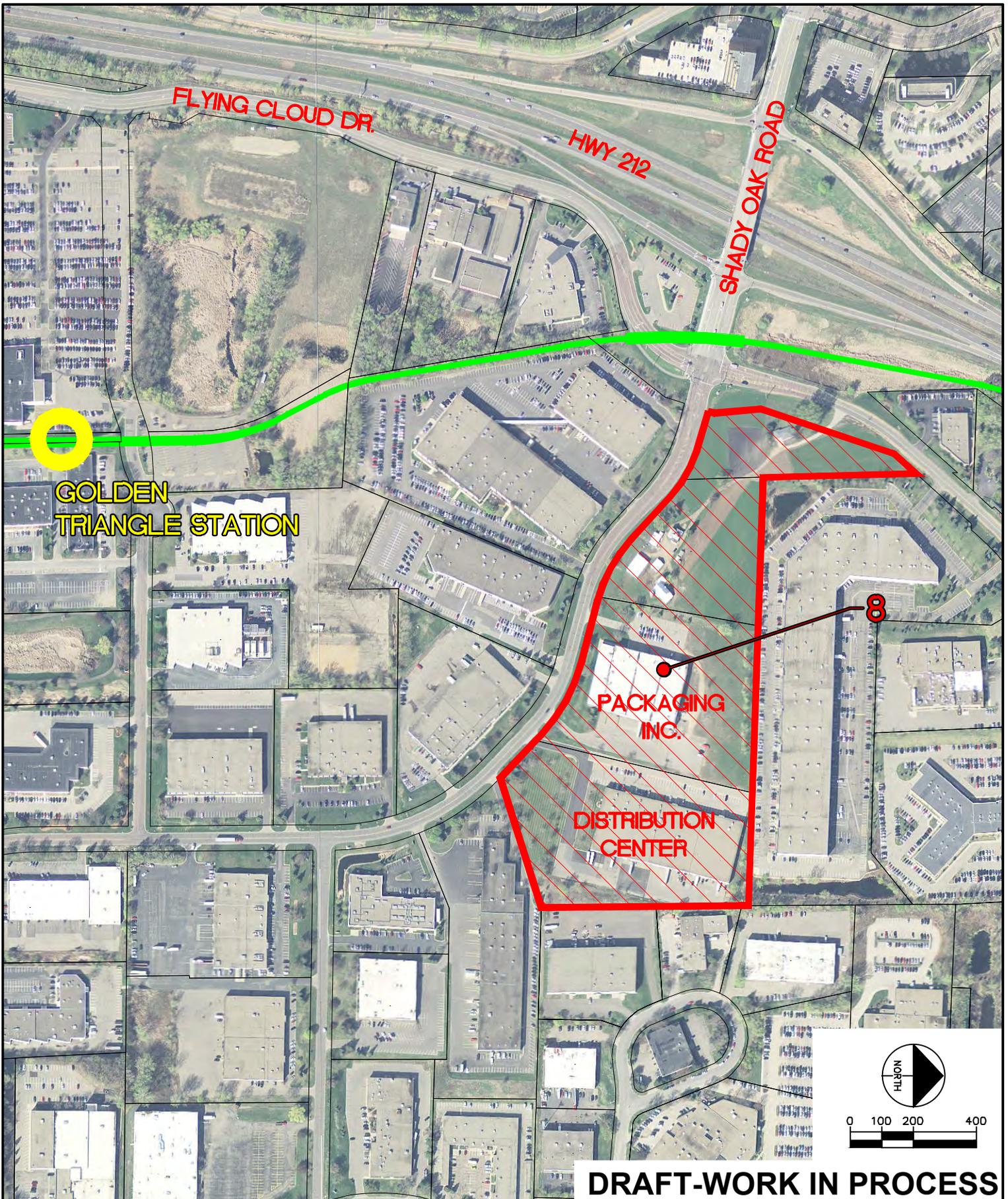
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2 OF 6



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GOLDEN TRIANGLE STATION

PACKAGING INC.

DISTRIBUTION CENTER

8

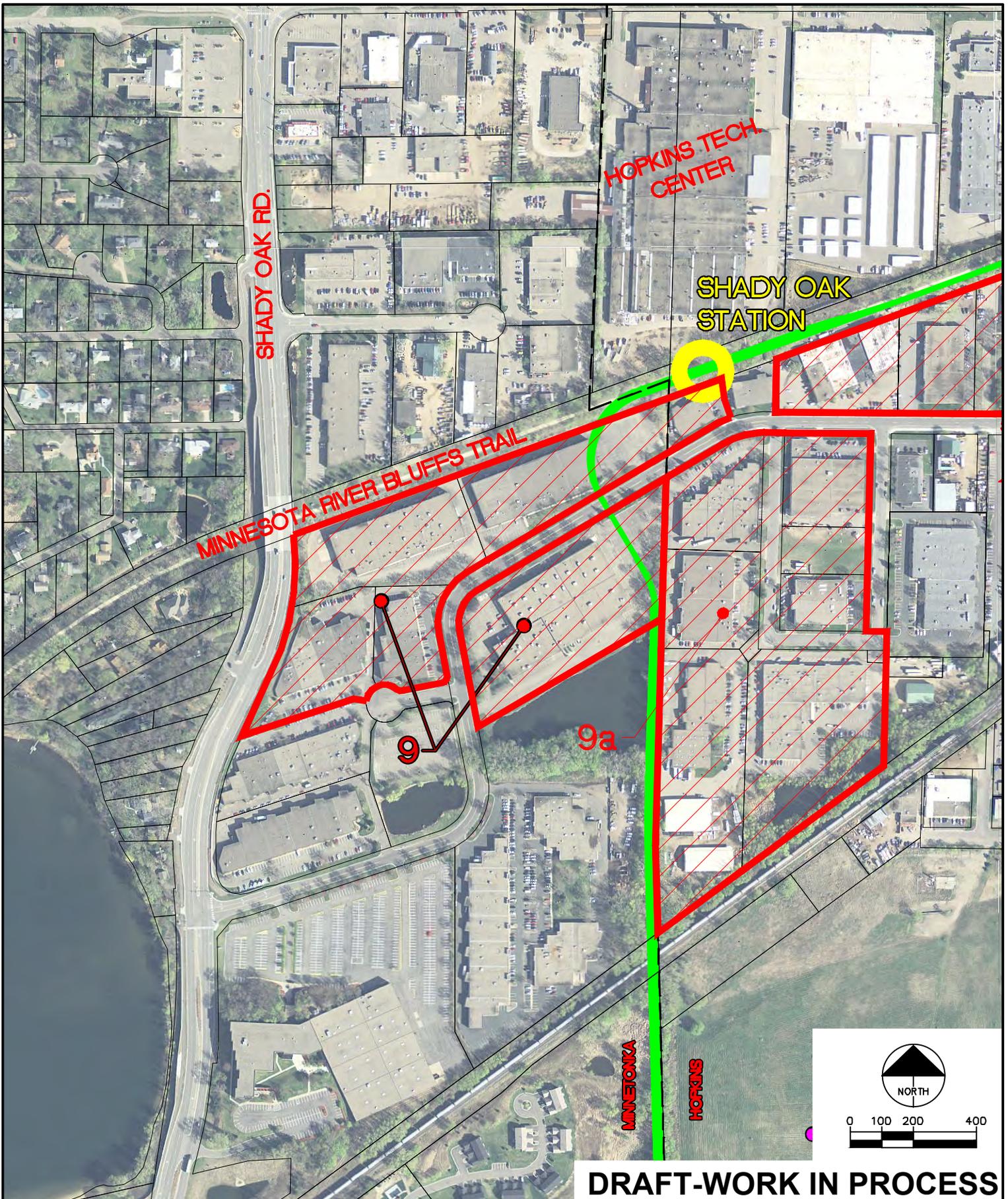


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 3 OF 6

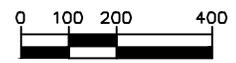
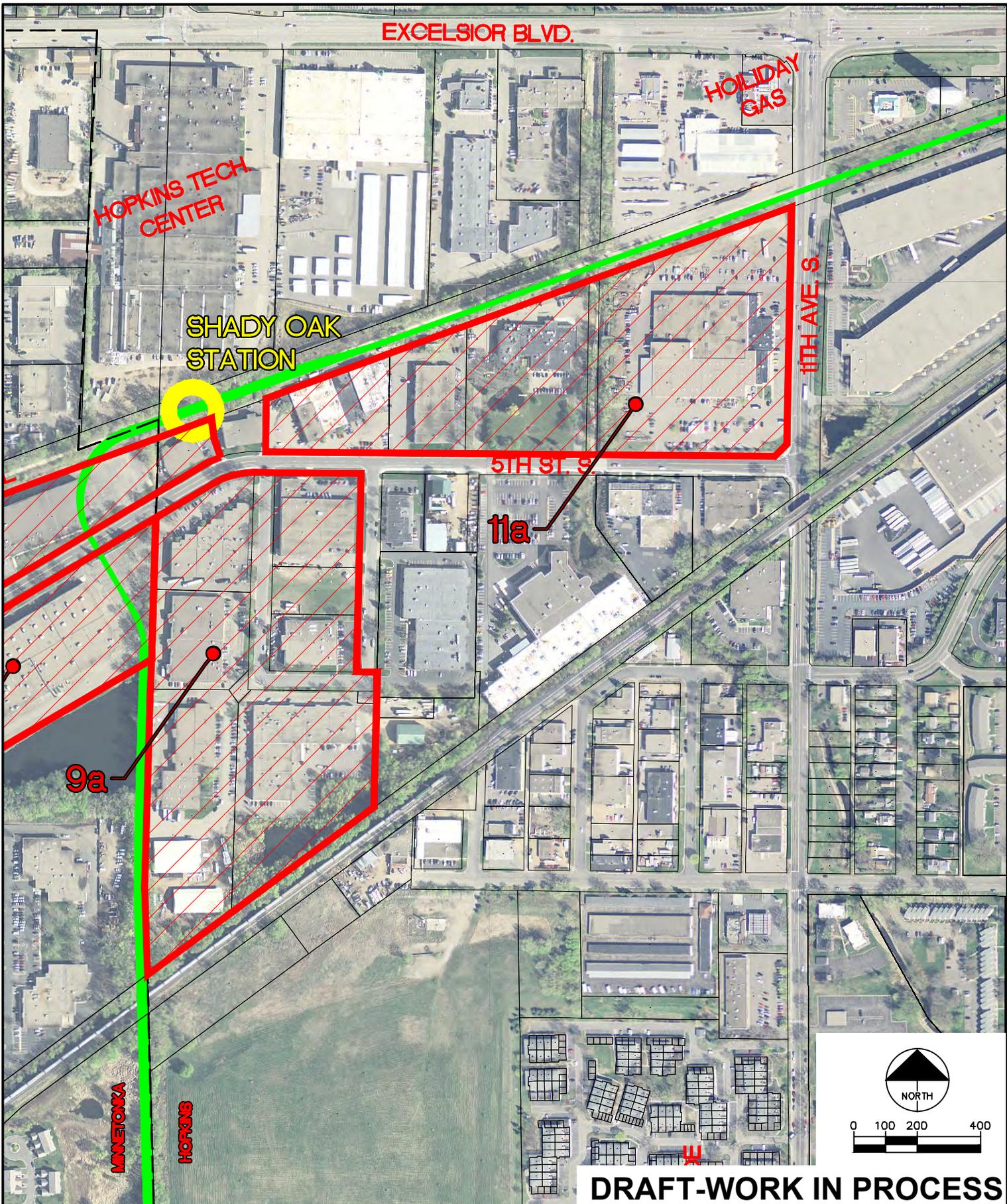
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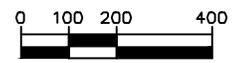
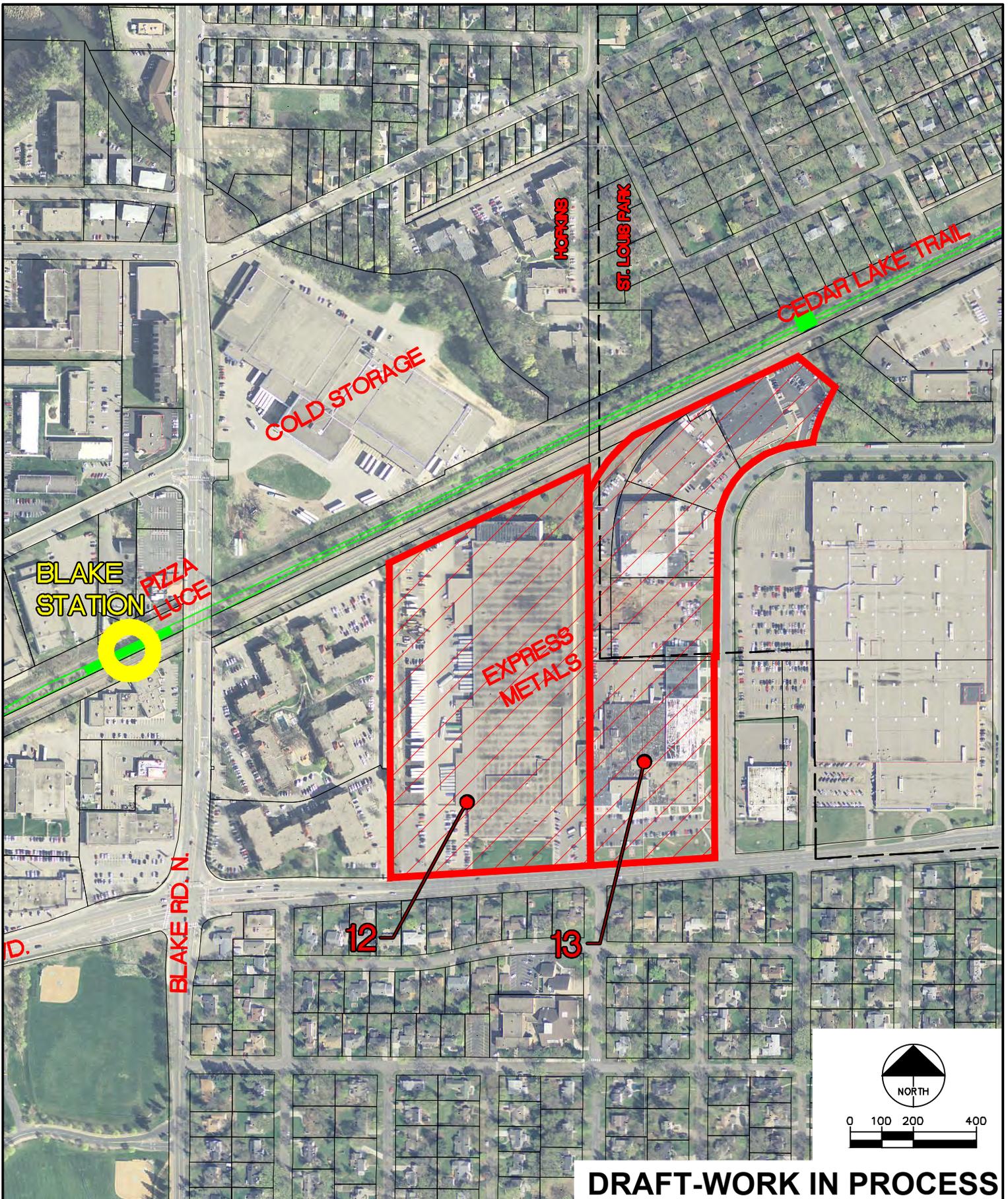
SOUTHWEST LIGHT RAIL
 OPERATIONS AND MAINTENANCE FACILITY SITE ALTERNATIVES
 IRT #23 (4/19/13)
 4 OF 6



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SOUTHWEST LIGHT RAIL
 OPERATIONS AND MAINTENANCE FACILITY SITE ALTERNATIVES
 IRT #23 (4/19/13)
 5 OF 6



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SOUTHWEST LIGHT RAIL
 OPERATIONS AND MAINTENANCE FACILITY SITE ALTERNATIVES
 IRT #23 (4/19/13)
 6 OF 6

BAC and CAC Comments on the OMF

- April 24 BAC Meeting
Key Themes:
 - General acceptance of candidate sites
 - Interested in moving OMF process forward
- April 25 CAC Meeting
Key Themes:
 - Sites 12 and 13 are near environmental justice communities
 - Concerned with neighborhood impacts



April 25 CAC Meeting



OMF Site Selection Process

8

- SPO holding OMF Open Houses
 - May 13: Eden Prairie
 - May 15: St. Louis Park
 - May 22: Minnetonka/Hopkins

9

- SPO continues to evaluate top ranked sites May 23 – June 7 and holds additional meetings with cities

10

- SPO presents top 2-3 candidate sites for input to advisory committees:
 - 6/13 TPAC; 6/26 BAC; 6/27 CAC; 7/3 SWCMC

11

- SPO recommends final site based on input and presents to advisory committees
 - 7/11 TPAC; 7/24 BAC; 7/25 CAC; 8/7 SWCMC



OMF Site Selection Process Next Steps

12

- SPO seeks approval from Met Council's Transportation Committee and Council in August

13

- SPO submits municipal consent plans to cities and county in Q3 2013

14

- Cities and county conduct municipal consent public hearings during Q4 2013

15

- Cities and county grant municipal consent approval by end of Q4 2013



LRT Alignment and Station Technical Issues



SWLRT PE Project Elements

- **Location of LRT track**
- Location of freight rail service
- **Location/layout of stations and station access**
- **Location/layout of park and ride facilities**
- **Location of pedestrian/bike trails impacted by project**
- **Layout of roadway features:**
 - Turn lanes, lane widths, traffic signals
- Location/layout of operation and maintenance facility
- Identification of LRT systems elements
- **Location/layout of connecting bus facilities**

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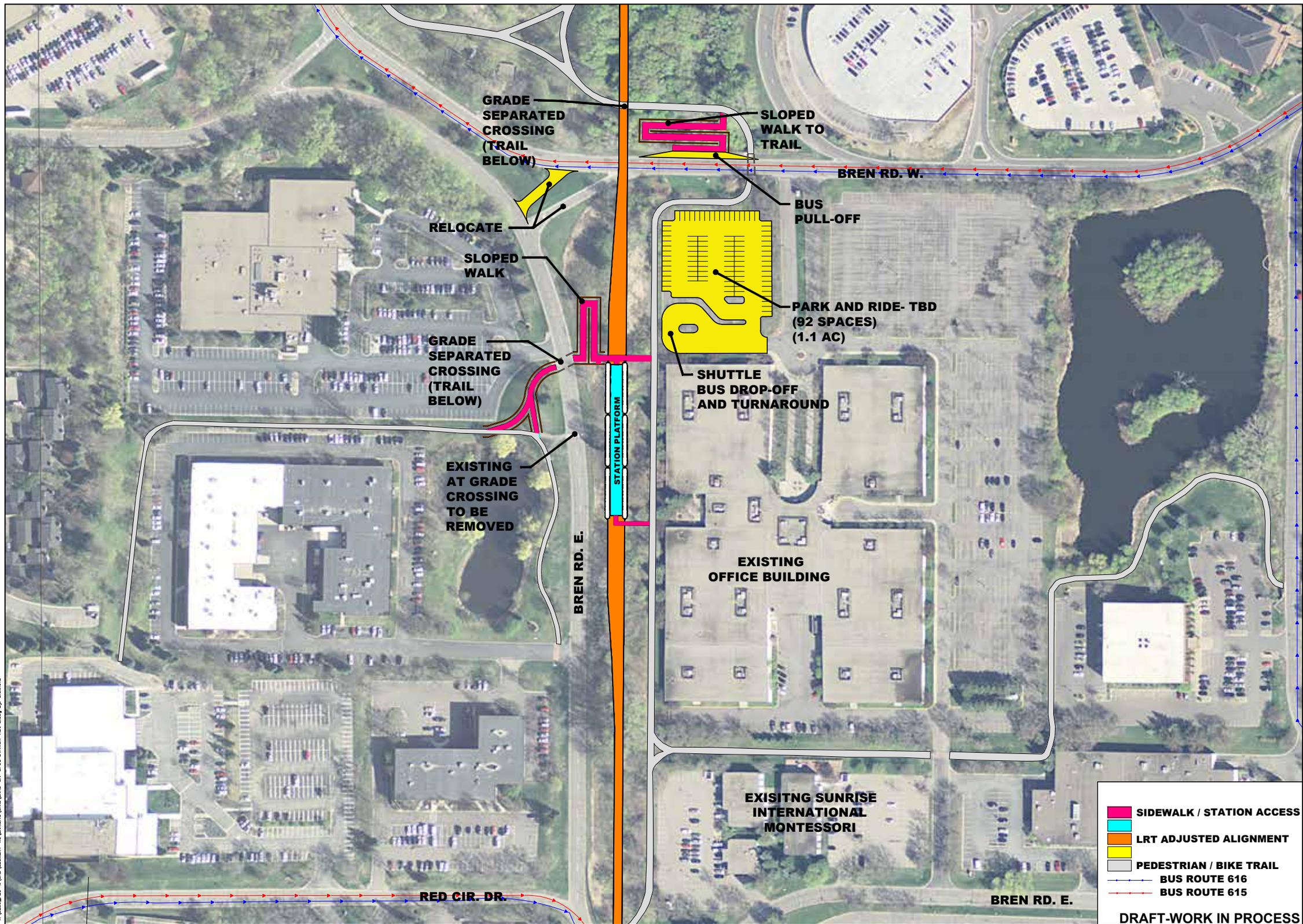
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Opus Station Technical Issue #6

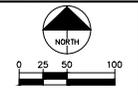


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SOUTHWEST LIGHT RAIL
MINNETONKA - OPUS STATION

IRT: 6
REV: 3
DATE: 04/24/13



- SIDEWALK / STATION ACCESS
 - LRT ADJUSTED ALIGNMENT
 - PEDESTRIAN / BIKE TRAIL
 - BUS ROUTE 616
 - BUS ROUTE 615
- DRAFT-WORK IN PROCESS**



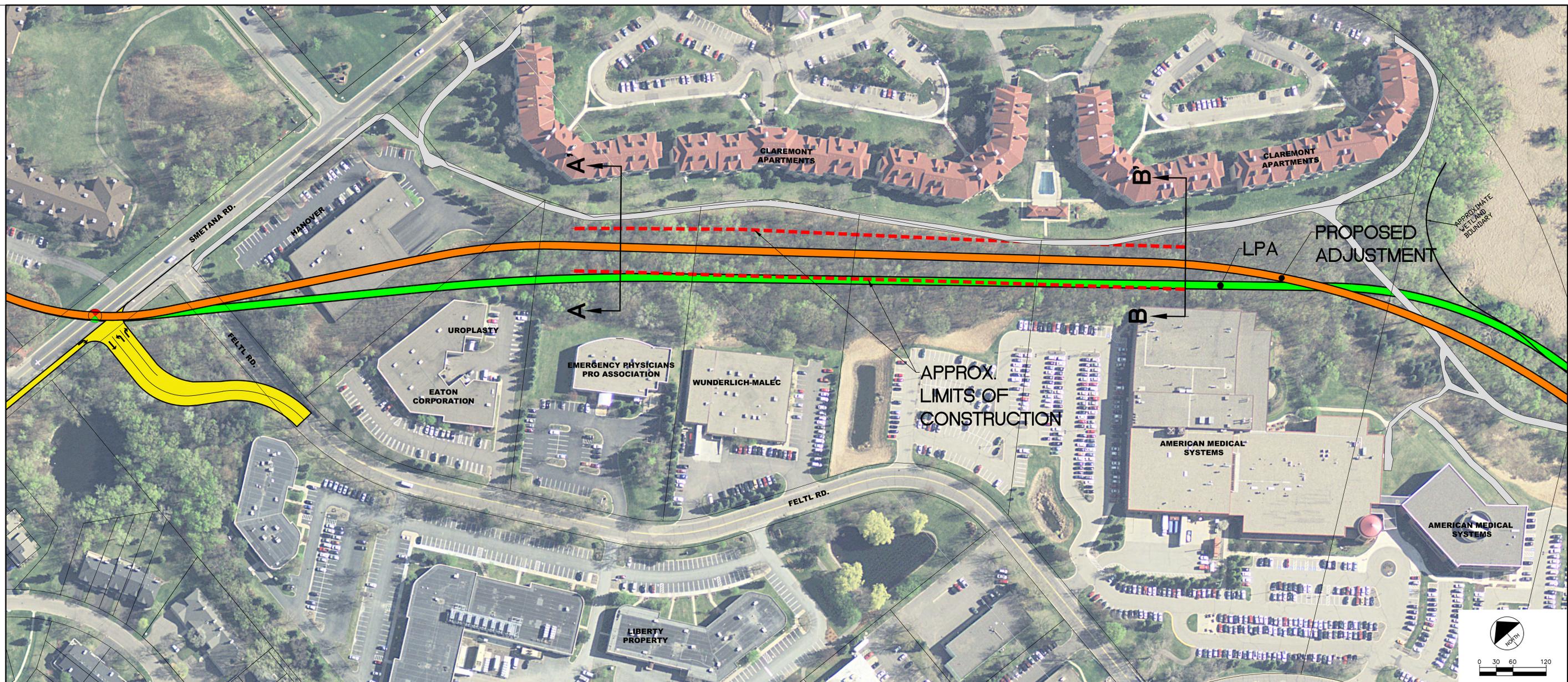
Opus Hill Technical Issue #7



Opus Hill

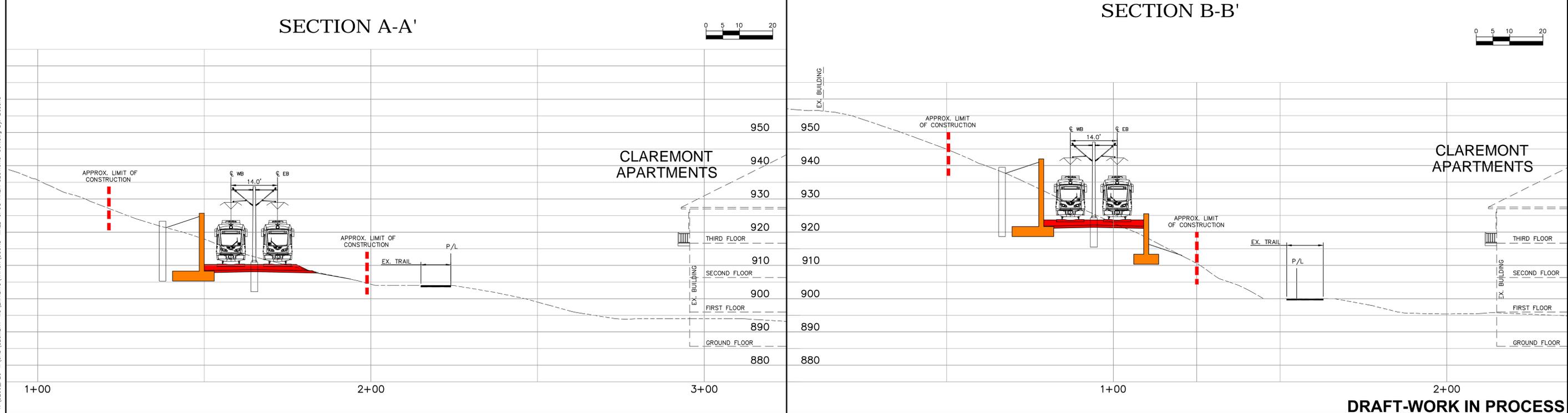
- Located near:
 - Claremont Apartments (318 units)
 - American Medical Systems (urology medical device manufacturing)
 - Real-time Properties (4 tenants in 29,320 SF of office space)





SECTION A-A'

SECTION B-B'



SOUTHWEST LIGHT RAIL
MINNETONKA - OPUS HILL

IRT: #7
REV: 0
DATE: 04/24/2013

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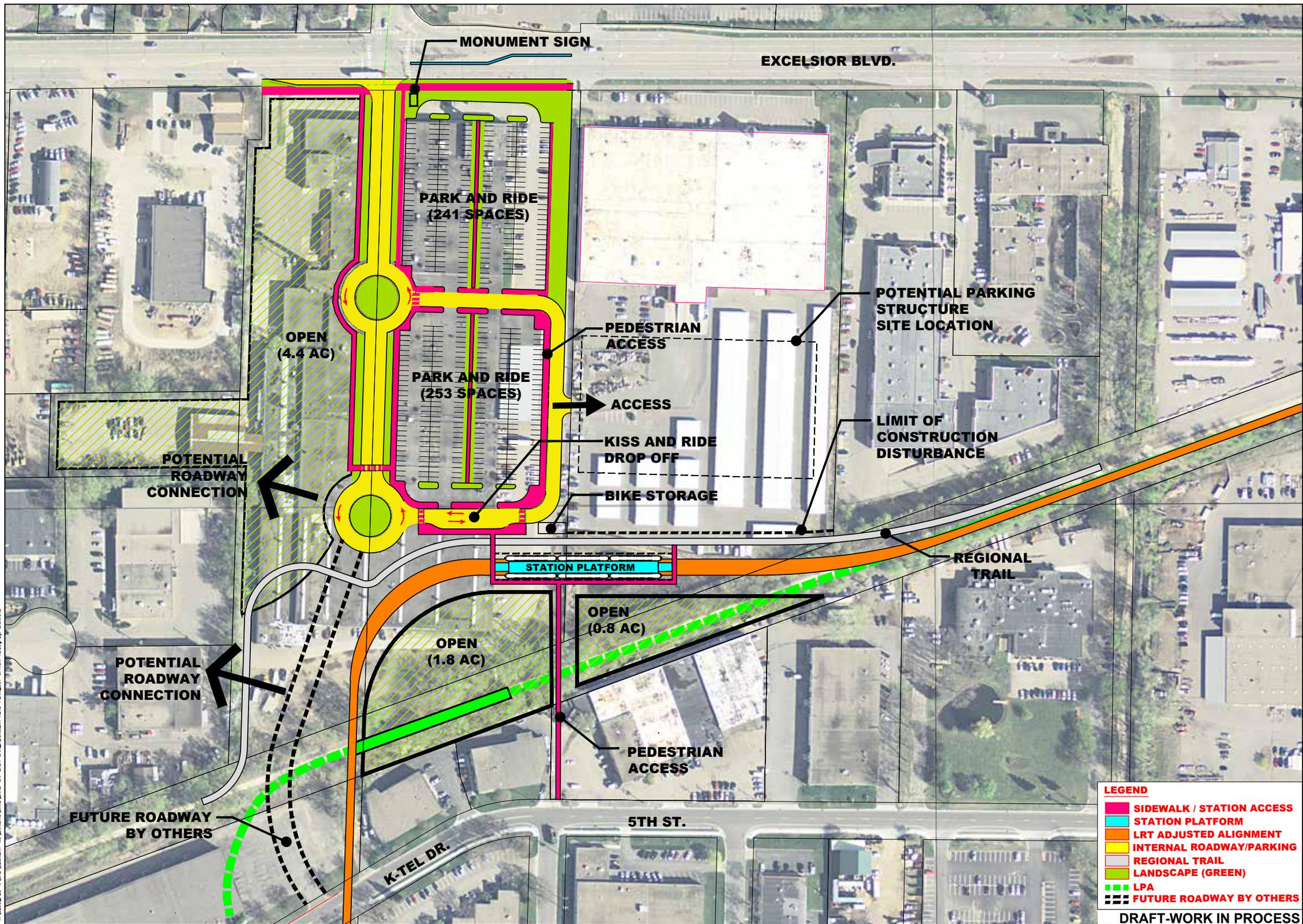
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Shady Oak Station Technical Issue #8





LEGEND

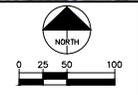
- SIDEWALK / STATION ACCESS
- STATION PLATFORM
- LRT ADJUSTED ALIGNMENT
- INTERNAL ROADWAY/PARKING
- REGIONAL TRAIL
- LANDSCAPE (GREEN)
- LPA
- FUTURE ROADWAY BY OTHERS

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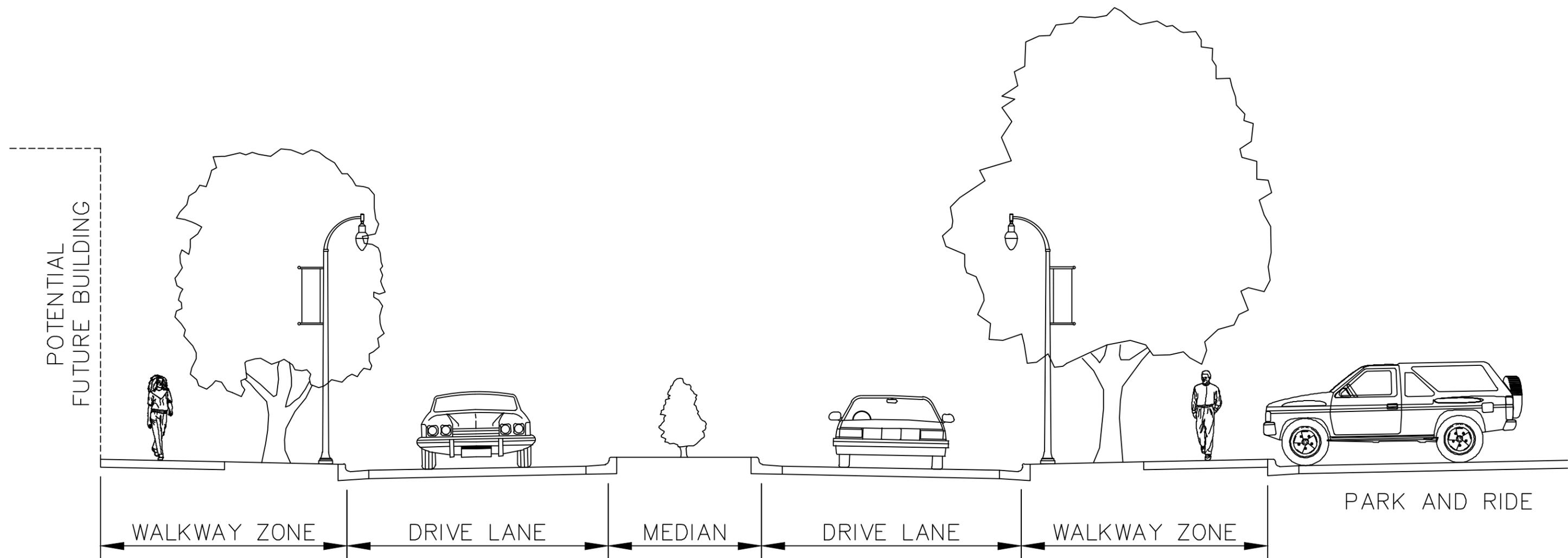
SOUTHWEST LIGHT RAIL
 MINNETONKA/ HOPKINS-SHADY OAK STATION
 TRACK ALIGNMENT 3A-SURFACE PARKING

IRT: 8
 REV: 4
 DATE: 04/24/13



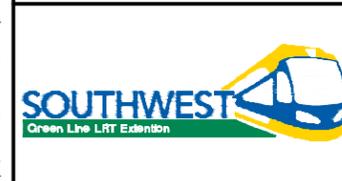
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17TH AVENUE LOOKING NORTH

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SOUTHWEST LIGHT RAIL
MINNETONKA / HOPKINS - SHADY OAK STATION
17TH AVE. TYPICAL SECTION

IRT: #8
REV: 0
DATE : 04/24/2013



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Downtown Hopkins Station Technical Issue #10



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SOUTHWEST LIGHT RAIL

HOPKINS - DOWNTOWN HOPKINS STATION

IRT #10
Rev 1
04/24/2013



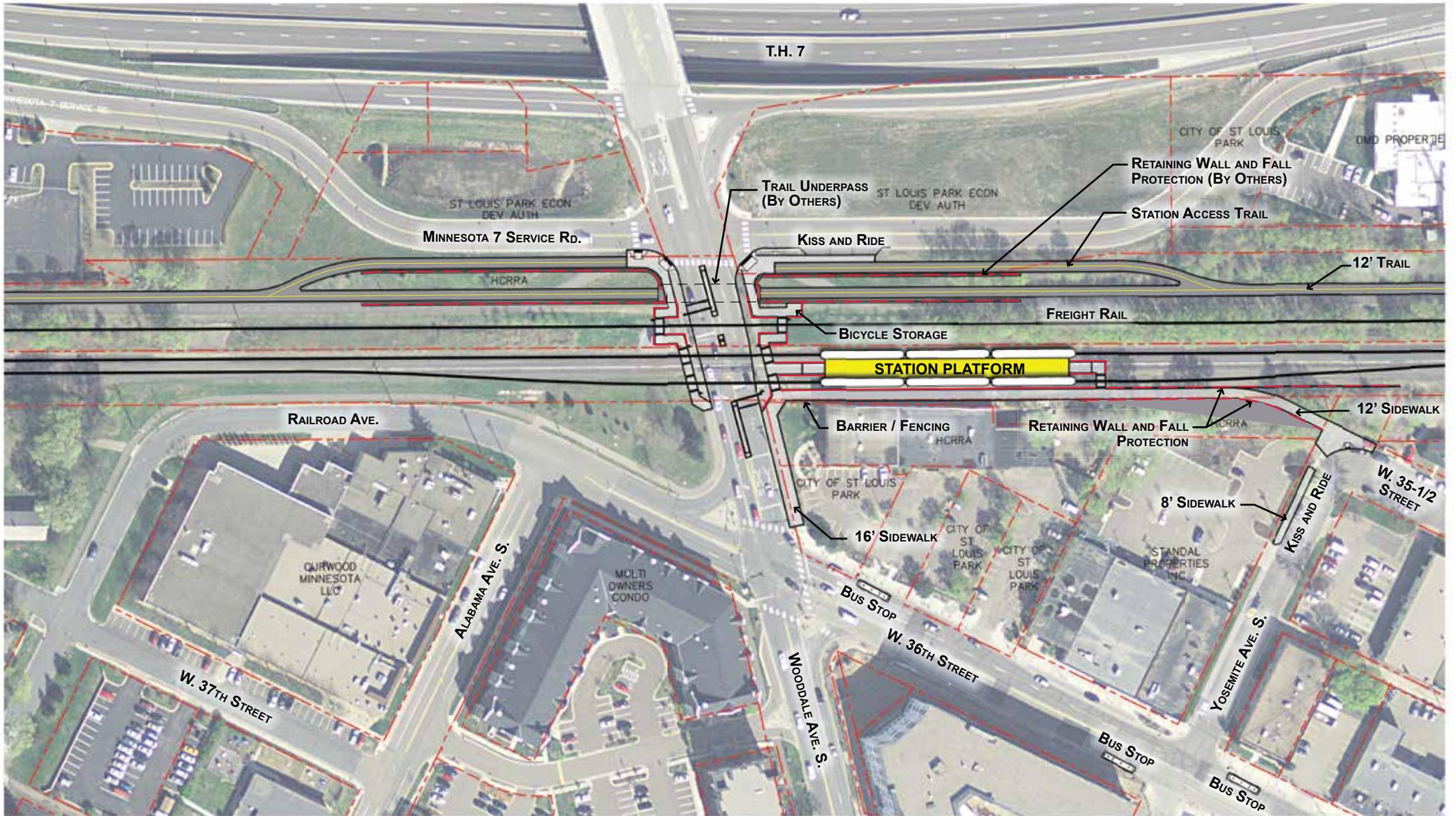
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Wooddale Station Technical Issue #14



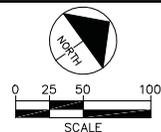


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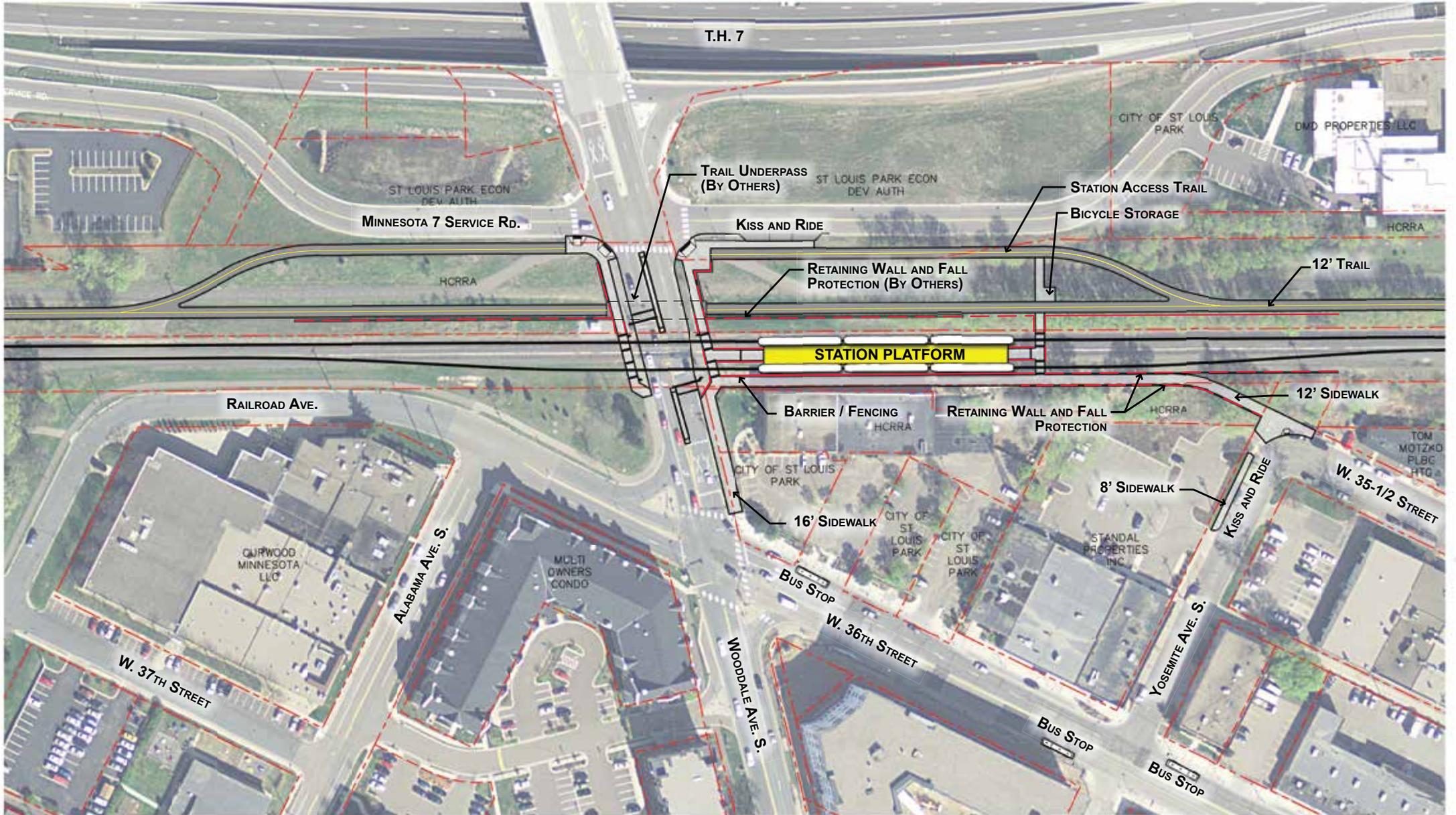


SOUTHWEST LIGHT RAIL
ST. LOUIS PARK - WOODDALE STATION CO-LOCATION

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Rev 1
04/24/2013



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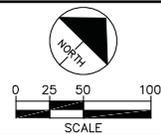


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SOUTHWEST LIGHT RAIL
ST. LOUIS PARK - WOODDALE STATION RE-LOCATION

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Rev 1
04/24/2013



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Technical Issues 6, 7, 8, 10, 14 Next Steps

- Presented for input:
 - BAC – April 24
 - CAC – April 25
 - SWCMC – May 1
- Continue outreach with site property owners
- Continue discussion with city staff
- Hold public open houses: June/July

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Communications and Outreach Update





April 24 BAC Meeting

- Southwest Corridor Investment Partnership Overview
 - Louis Smith, Smith Partners
- Hennepin County Community Works Update
 - SWLRT Housing Inventory, Cathy Bennett/ULI MN
- Technical Issues Discussions:
 - Operations and Maintenance Facility
 - Opus Hill
 - Stations: Opus, Shady Oak, Downtown Hopkins, Wooddale
- Member and Committee Reports
- Public Forum

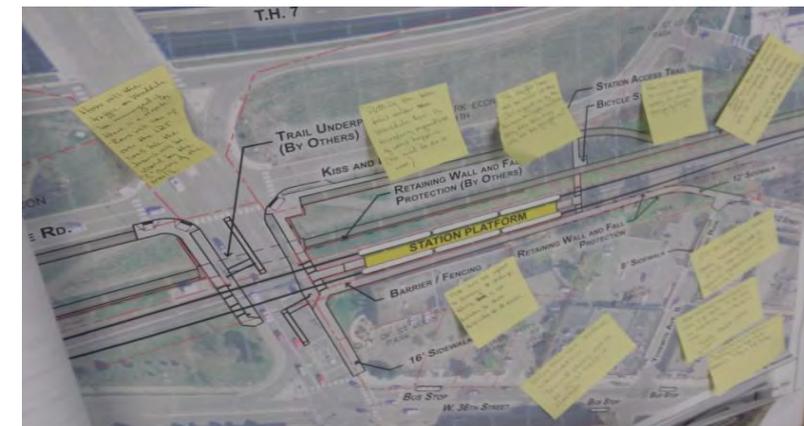


April 25 CAC Meeting

- Hennepin County Community Works Update
 - SWLRT Housing Inventory, Kerri Pearce Ruch/Hennepin County
- Technical Issues Discussions:
 - Operations and Maintenance Facility
 - Opus Hill
 - Stations: Opus, Shady Oak, Downtown Hopkins, Wooddale
- Member and Committee Reports
- Public Forum

BAC and CAC Technical Comments

- April 24 BAC Meeting Key Themes/Comments:
 - **Downtown Hopkins:** Interested in the status of Hopkins Honda and whether not they will be expanding or moving facilities
- April 25 CAC Meeting Key Themes/Comments:
 - **Opus Hill:** concerned about impacts to residents and medical device manufactures
 - **Opus:** Location of transit and ped access
 - **Shady Oak:** Trail alignment and traffic patterns
 - **Downtown Hopkins:** Connections to Mainstreet, transit connections
 - **Wooddale:** Trail access, freight rail location, pedestrian safety





SPO Community Outreach Activities

Date	Event/Sponsor	SPO Activity
Apr 6	West Calhoun/Cedar-Isles-Dean Neighborhood Walking Tour	Staff shared project information
Apr 8	City of St. Louis Park Council Study Session	Staff shared project information
Apr 10	Cedar-Isles-Dean Neighborhood Association Board Meeting	Staff attended
Apr 17	Royalston Station Business Group	Staff shared project information
Apr 18	St. Louis Park Kiwanis Club	Staff attended
Apr 18	St. Louis Park TSAAP Open House	Staff shared project information
Apr 23	Minnetonka/Hopkins TSAAP Open House	Staff shared project information
Apr 25	Park Nicollet Campus Leadership Collaborative	Staff shared project information
Apr 27	Kenilworth Alliance	Staff shared project information



More Information

Online:

www.SWLRT.org

Email:

SWLRT@metrotransit.org

Twitter:

www.twitter.com/southwestlrt

