



SRF No. 9275
 County Project No. 091102
 SAP 027-712-002

**CSAH 112 – Phase 2
 Project Advisory Committee (PAC) Meeting
 September 22, 2016 (8:00-10:00 a.m.)
 Orono City Hall
 MEETING RECORD**

A project PAC meeting for the referenced project was held at the Orono City Hall on September 22, 2016 from 8:00 a.m. to 10:00 a.m. The following is a summary of the meeting based on the Agenda, which is attached to this record:

Meeting Summary:

1. Introductions (5 Minutes)

- A copy of the meeting sign in sheet is attached to this meeting record.

2. Review of July 21, 2016 Project Advisory Committee Meeting Record (5 Minutes)

- Nate Will asked that any comments on the Meeting record from the July 21st, 2016 meeting be sent to him at SRF.

3. Review of Previous Action Items (10 Minutes)

Task	Responsible Party	Due Date	Resolution
Refine estimated costs to extend trail from Old Long Lake Road to Luce Line Trail including cost to acquire additional easement/property at NE corner of Luce Line and Wayzata Boulevard.	Nate Will	9/1/16	Complete
Update Cost summaries to included notes for each priority	Nate Will	9/1/16	Complete
Drainage issue on private property between Russel Lane And Heather Lane.	Nate Will	10/1/16	South side of CSAH 112 will remain a rural section with a ditch. This project will not preclude the property owner from altering the current drainage issue by regarding or adding drain tile. A permit would be required for any changes done by the property owner.
Prepare PAC Meeting Record	Nate Will	9/1/16	Complete
Prepare PAC Meeting Agenda	Nate Will	9/15/16	Complete
Post PAC Meeting Record to County project website	Kristy Morter	10/24/16	

4. Discussion Items *(60 Minutes)*

a. Trail Extension

- Nate Will presented a layout with the potential trail extension shown from Old Long Lake Road to the Luce Line Trail. A copy of the trail extension layout presented is attached to this meeting record.
- Jessica Loftus asked if SRF could provide an estimated cost for the trail extension if the City of Orono decided not to add the trail with the CSAH 112 project but at a separate time.
 - Nate Will said cost would include extra for Curb & Gutter, grading, tree removal, and extra Right of Way.
 - Kristy Morter mentioned adding the trail later, would require CSAH 112 to be revised from a rural section with a ditch to a curb & gutter with a boulevard, trail and storm sewer. She also mentioned that if the trail is added, the boulevard area would be maintained by the adjacent property owners.
 - Nate Will added that SRF has not yet done a full design of the trail. In preliminary review of the trail we have identified a few areas that need further study. If the City and County decide to add the trail extension these areas will need to be evaluated. The areas have been identified are impacts to the adjacent wetland, possible retaining wall along the outside curve just east of Old Long Lake Road and impacts to the proposed pond at Old Long Lake Road and CSAH 112.
- Dan MacDonald asked about the need for ROW for the trail.
 - Kristy Morter noted that Hennepin County land acquisition staff have researched the property ownership and are confident a trail could be constructed across the parcel (NE corner of CSAH 112 at Luce Line Trail) at no cost for right of way to the City of Orono or County.
 - Nate Will mentioned that a small sliver of additional right of way would be needed from the two residential properties (970 & 920 Wayzata Blvd) for the trail.
- Mayor McMillan added that the trail extension would create a nice loop. She would like to bring the trail extension to the Orono City Council for discussion.
- Kristy Morter mentioned the trail extension could be presented at either a council meeting or a work session for both Cities for discussion prior to the open house. She added that the County is seeking a motion of support from the City of Orono before it is added to the project.
- Nate Will added that a decision on the trail extension is needed very shortly to allow SRF time to incorporate the design into the 60 percent plans.

b. Green Hill Lane Right-in/Right-Out vs. Left-Right-in/Right-out

- Nate Will presented a graphic for a modified median at Green Hill Lane that would allow left and right turns in and only right turns out. A copy of the graphic presented is attached to this meeting record.

- Dan MacDonald added that he sees a lot of traffic go to Russell Lane to take a left out onto CSAH 112 and avoid using Green Hill Lane.
- Dale Lemmerman also added that Green Hill Lane has limited sightline to the east which makes a difficult left turn.
- Mayor McMillian would like to see the option be brought to the open house.
- Nate Will concluded that SRF will show the right-in right-out geometry dashed and show the presented graphic geometry on the layout for the open house.

c. Wayzata Blvd/CSAH 112/TH 12 Ramp Intersection

- Nate Will presented a graphic of the sight distance evaluation with photos looking both toward the east and west. A copy of the graphic presented is attached to this meeting record.
- Dan MacDonald stated that there is a manhole in the berm area between the TH 12 westbound ramp and the City of Wayzata maintenance facility. Added that if the manhole could be lowered maybe the slope could be regraded (lowered) to improve the sight distance. Also, he noted the existing road sign should be relocated to help with sight distance.
- Kristy Morter stated that this area is within MnDOT right of way and discussion with MnDOT is needed about possibly regrading, adjusting a manhole, and moving the sign.
- Nate Will added that we are reducing the size of this intersection and are looking at pavement marking “stop bar” locations to further improve the sight distances.
- Kristy Morter noted a review of past 3-year crash history reported 5 crashes at this intersection.

d. Staging

- Amber Klein described three basic staging options: full road closure, one lane of traffic, or two lanes of traffic. Based upon the concerns expressed in Phase 1, the options of closing the road for construction and only having one lane of traffic open would not be considered viable in Phase 2.
- Amber Klein presented a graphic depicting a two lane construction option with temporary pavement needed to accommodate the two way traffic. A copy of this graphic is attached to this meeting record.
- Kristy Morter noted that the speed limit is planned to be reduce to 30 MPH during construction and that most of the construction should be completed in 1 year.
- Nate Will added that there would still need to have some road closures for City of Long Lake utility replacement needs. These will be added to the layouts for the open House.

e. Public Open House – Date TBD, October 2016

- Lake Community Bank is under construction and we will not be able to have Open House there.

- Long Lake Fire Station is a good alternative. Scott Weske will inquire about availability for the Open House.
- The PAC agreed to schedule the Open House for Thursday, October 27th from 4:30 pm to 6:30 pm if the date and time is available at the Fire Station.

5. Follow up items/Action Items: (5 Minutes)

Task	Responsible Party	Due Date	Resolution
Drainage graphic for the area between Heather Lane and Russell Lane	SRF	11/17/16	
Update median geometry and layout for revised geometry at Green Hill Lane.	SRF	10/10/16	
Discuss Wayzata Boulevard/CSAH 112/TH 12 ramps with MnDOT about existing grading, manhole and sign.	Kristy Moter	10/21/16	
Discuss Wayzata Boulevard /CSAH 112/TH 12 ramps with City of Wayzata about existing grading, manhole.	Kristy Morter	10/21/16	
Update Staging Layout for open House. Add short term Road closures to the Layouts.	SRF	10/17/16	
Confirm Long Lake Fire Station availability for the Open House Meeting	Scott Weske	10/1/16	
Prepare September 22 PAC Meeting Record	Nate Will	10/6/16	
Prepare November 17 PAC Meeting Agenda	Nate Will	11/3/16	
Post July 21 PAC Meeting Record to County project website	Kristy Morter	10/20/16	
Post September 22 PAC Meeting Record to County project website	Kristy Morter	11/14/16	

6. Upcoming Meeting:

- a. PAC Meeting: November 17, 2016; 8:00 am – 10:00 am
- b. Open House: October 27, 2016: 4:30 pm – 6:30 pm



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Prepare PAC Meeting Record	Nate Will	9/1/16	Complete
Prepare PAC Meeting Agenda	Nate Will	9/15/16	Complete
Post PAC Meeting Record to County project website	Kristy Morter	9/22/16	

4. Discussion Items : *(60 Minutes)*
 - a. Trail Extension
 - b. Green Hill Lane Right-in/Right-Out vs. Left-Right-in/Right-out
 - c. Wayzata Blvd/CSAH 112/TH 12 Ramp intersection
 - d. Staging
 - e. Public Open House – Date TBD, October 2016

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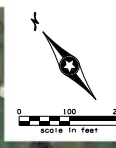
**CSAH 112 Project
Final Design – Phase 2
Project Advisory Committee (PAC) Meeting Sign-In Sheet
Thursday, September 22, 2016 (8:00 – 10:00 a.m.)**

Present	Name/Organization	Mailing Address	Phone	Email
<input checked="" type="checkbox"/>	Kristy Morter Hennepin County	1600 Prairie Drive Medina, MN 55340	612-596-0384	Kristy.Morter@hennepin.us
<input checked="" type="checkbox"/>	Mike Turner SRF Consulting Group	1 Carlson Parkway, Suite 150 Minneapolis, MN 55447	763-249-6717	MTurner@SRFConsulting.com
<input checked="" type="checkbox"/>	Nate Will SRF Consulting Group	1 Carlson Parkway, Suite 150 Minneapolis, MN 55447	763-249-6761	NWill@SRFConsulting.com
<input checked="" type="checkbox"/>	Amber Klein SRF Consulting Group	1 Carlson Parkway, Suite 150 Minneapolis, MN 55447	763-452-4839	aklein@srfconsulting.com
<input checked="" type="checkbox"/>	Jessica Loftus City of Orono	P.O. Box 66 Crystal Bay, MN 55323	952-249-4601	JLoftus@ci.orono.mn.us
<input type="checkbox"/>	Adam Edwards City of Orono	P.O. Box 66 Crystal Bay, MN 55323	952-249-4661	AEdwards@ci.orono.mn.us
<input checked="" type="checkbox"/>	Scott Weske City of Long Lake	P.O. Box 606 Long Lake, MN 55356	952-473-6961x2	SWeske@longlakemn.gov
<input type="checkbox"/>	Chris LaBounty City of Long Lake (WSB)	P.O. Box 606 Long Lake, MN 55356	763-231-4860	CLaBounty@wsbeng.com
<input checked="" type="checkbox"/>	Lili McMillan Orono Mayor	P.O. Box 66 Crystal Bay, MN 55323	612-840-8484	lmcmillan@ci.orono.mn.us
<input type="checkbox"/>	Donny Chillstrom Long Lake Mayor	P.O. Box 606 Long Lake, MN 55356	612-710-0569	dchillstrom@longlakemn.gov

**CSAH 112 Project
Final Design – Phase 2
Project Advisory Committee (PAC) Meeting Sign-In Sheet
Thursday, September 22, 2016 (8:00 – 10:00 a.m.)**

Present	Name/Organization	Mailing Address	Phone	Email
<input type="checkbox"/>	Jim Cornick Orono City Council	P.O. Box 66 Crystal Bay, MN 55323	952-300-0954	jcornickjr@ci.orono.mn.us
<input type="checkbox"/>	Marty Schneider Long Lake City Council	P.O. Box 606 Long Lake, MN 55356	612-237-3843	mscheider@longlakemn.gov
<input checked="" type="checkbox"/>	Dan MacDonald Long Lake Citizen	335 Russel Lane Long Lake, MN 55356	952-473-2201	yellowdogrescue@gmail.com
<input checked="" type="checkbox"/>	Dale Lemmerman Long Lake Citizen	1117 W. Wayzata Blvd. Wayzata, MN 55391	952-473-4995	
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				

PRELIMINARY WAYZATA BOULEVARD (CSAH 112) PHASE 2 LAYOUT



LEGEND

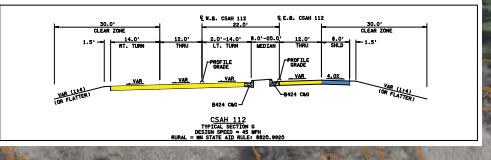
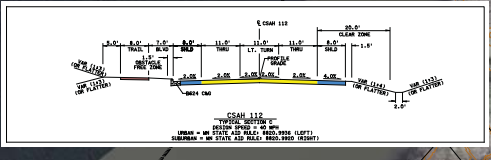
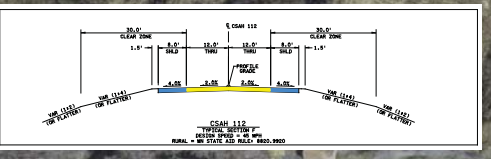
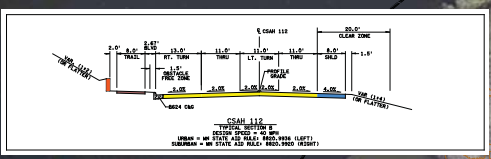
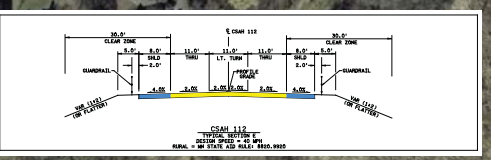
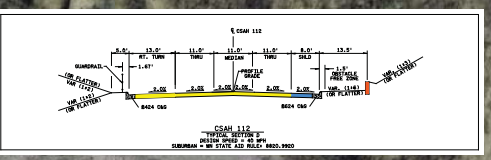
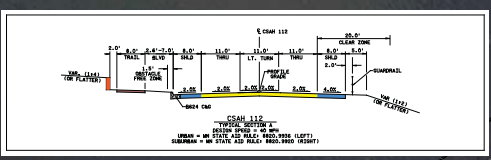
- PAVED ROADWAY
- RAISED MEDIAN & CURBS
- PAVED SHOULDER
- RETAINING WALLS & BARRIERS
- CONCRETE SIDEWALKS & TRAILS
- FUTURE CONSTRUCTION "BY OTHERS"
- PROPOSED FLOODING LOCATION
- QUADRAIL
- EXISTING RIGHT OF WAY
- PRELIMINARY CONSTRUCTION LIMITS (LINE OF SLOPE)
- WETLANDS

PRELIMINARY
SUBJECT TO CHANGE
9/19/2016
SRF
Consulting Group, Inc.

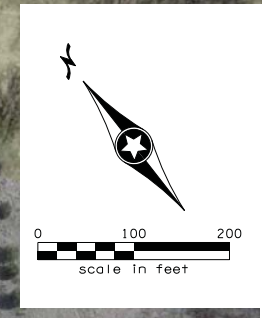
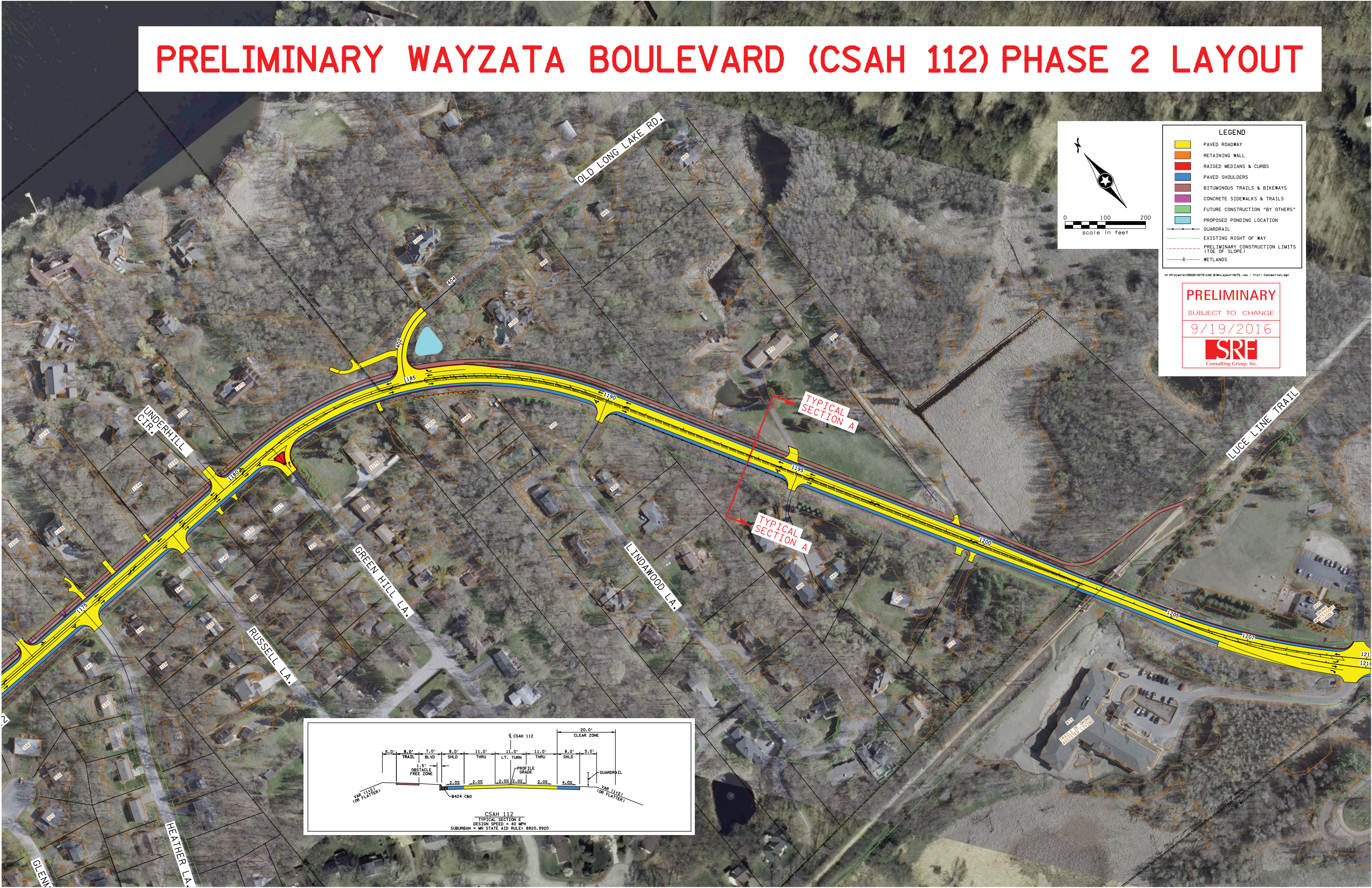
LEGEND

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PRELIMINARY
SUBJECT TO CHANGE
9/19/2016
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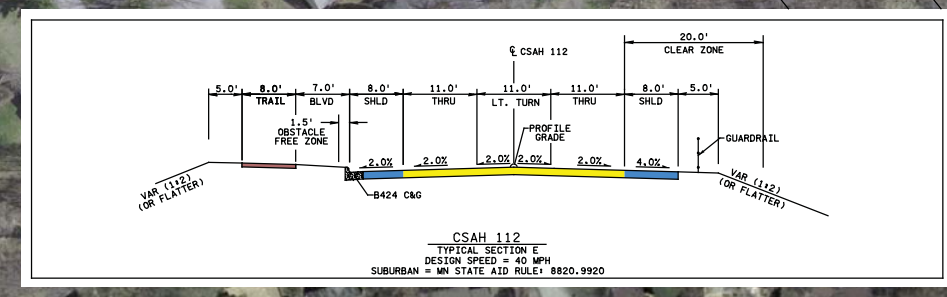
PRELIMINARY WAYZATA BOULEVARD (CSAH 112) PHASE 2 LAYOUT



LEGEND	
	PAVED ROADWAY
	RETAINING WALL
	RAISED MEDIANS & CURBS
	PAVED SHOULDERS
	BITUMINOUS TRAILS & BIKEWAYS
	CONCRETE SIDEWALKS & TRAILS
	FUTURE CONSTRUCTION "BY OTHERS"
	PROPOSED PONDING LOCATION
	GUARDRAIL
	EXISTING RIGHT OF WAY
	PRELIMINARY CONSTRUCTION LIMITS (TOE OF SLOPE)
	WETLANDS

PRELIMINARY
SUBJECT TO CHANGE
9/19/2016

SRE
Consulting Group, Inc.



CSAH 112 (Wolf Pointe Trail to Wayzata Blvd)

Phase 2 (Wolf Pointe Trail to Wayzata Blvd)		TOTALS	TURNBACK FUNDS	HENNEPIN COUNTY	CITY OF ORONO	CITY OF LONG LAKE
Base	Construction (1)	\$7,513,700	\$7,513,700			
	R/W	\$233,600	\$233,600			
	Subtotal	\$7,747,300	\$7,747,300			
Trail along north side of CSAH 112 from Wolf Pointe Trail to Old Long Lake Road	Construction (1)	\$84,800		\$42,400	\$4,300	\$38,100
	R/W	\$57,700		\$57,700		
	Subtotal	\$142,500		\$100,100	\$4,300	\$38,100
Additional trail from Old Long Lake Road to Luce Line Trail (3)	Construction (1)	\$187,000		\$93,500	\$93,500	
	R/W (2)	\$33,000		\$16,500	\$16,500	
	Subtotal	\$220,000		\$110,000	\$110,000	
City of Long Lake Utility Replacement		\$846,000				\$846,000
Hennepin County fiber optic system		\$100,000		\$100,000		
Subtotal - Phase 2		\$9,055,800	\$7,747,300	\$310,100	\$114,300	\$884,100

Green Text indicates City proposed contribution to discretionary project elements. Blue Text indicates Hennepin County proposed contribution to discretionary project elements. Discretionary spending item cost will be shared by the County and City based on policy. Previous estimates from March 2014 were updated to reflect direction received from the City Councils (Long Lake and Orono) and further updates received at the July 21, 2016 PAC meeting.

- (1) Construction cost includes 18% Engineering and Construction Administration.
- (2) Assumes no right of way cost for trail over crossing over the Wood-Rill (DNR-SNA) property north of Luce Line Trail.
- (3) Additional wetland impacts due to trail widening are approximately 4,500 SQFT.

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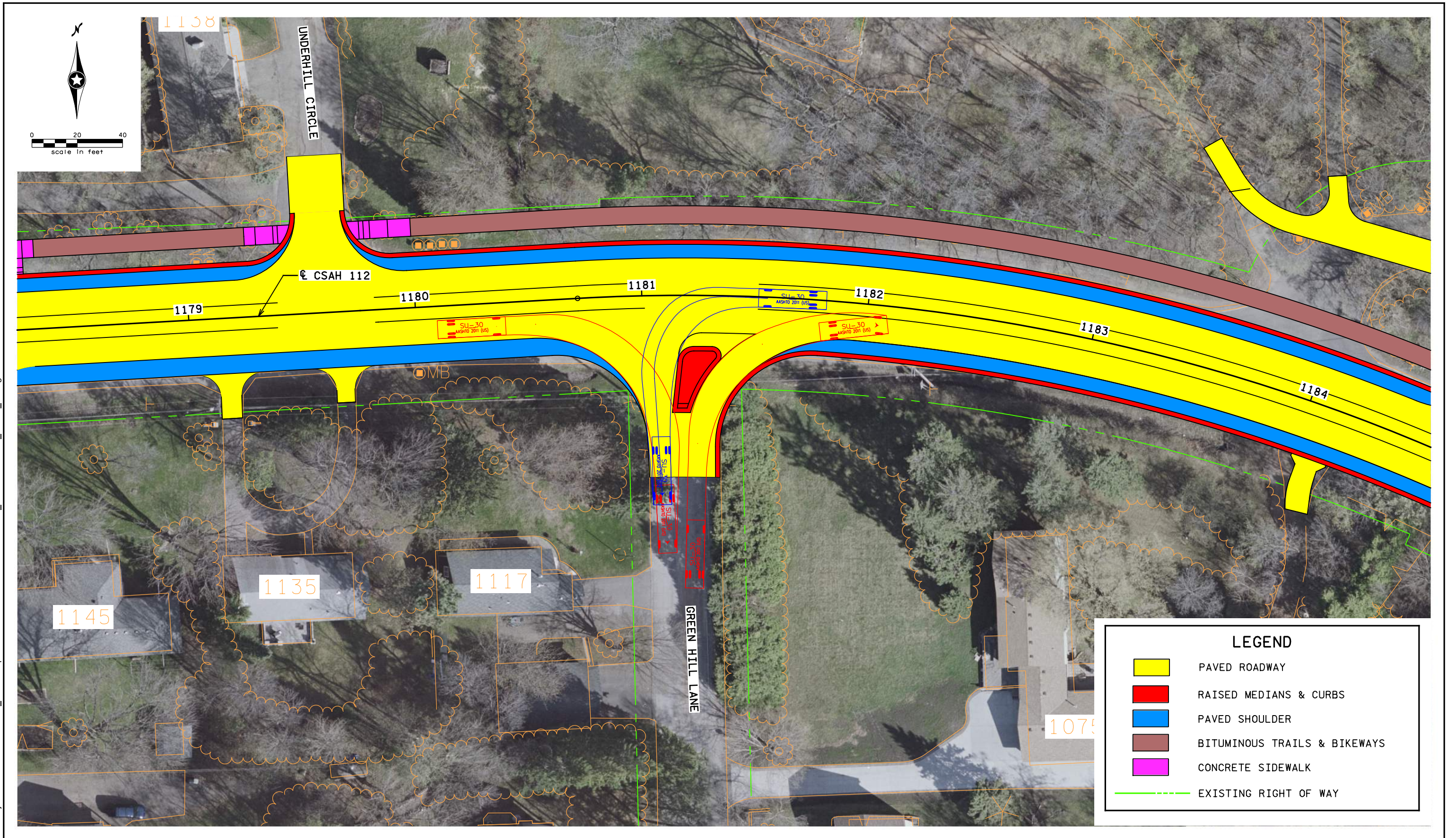
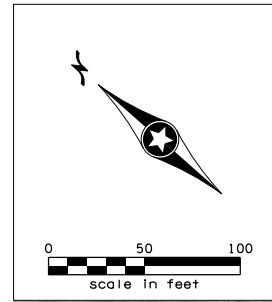


Figure 1

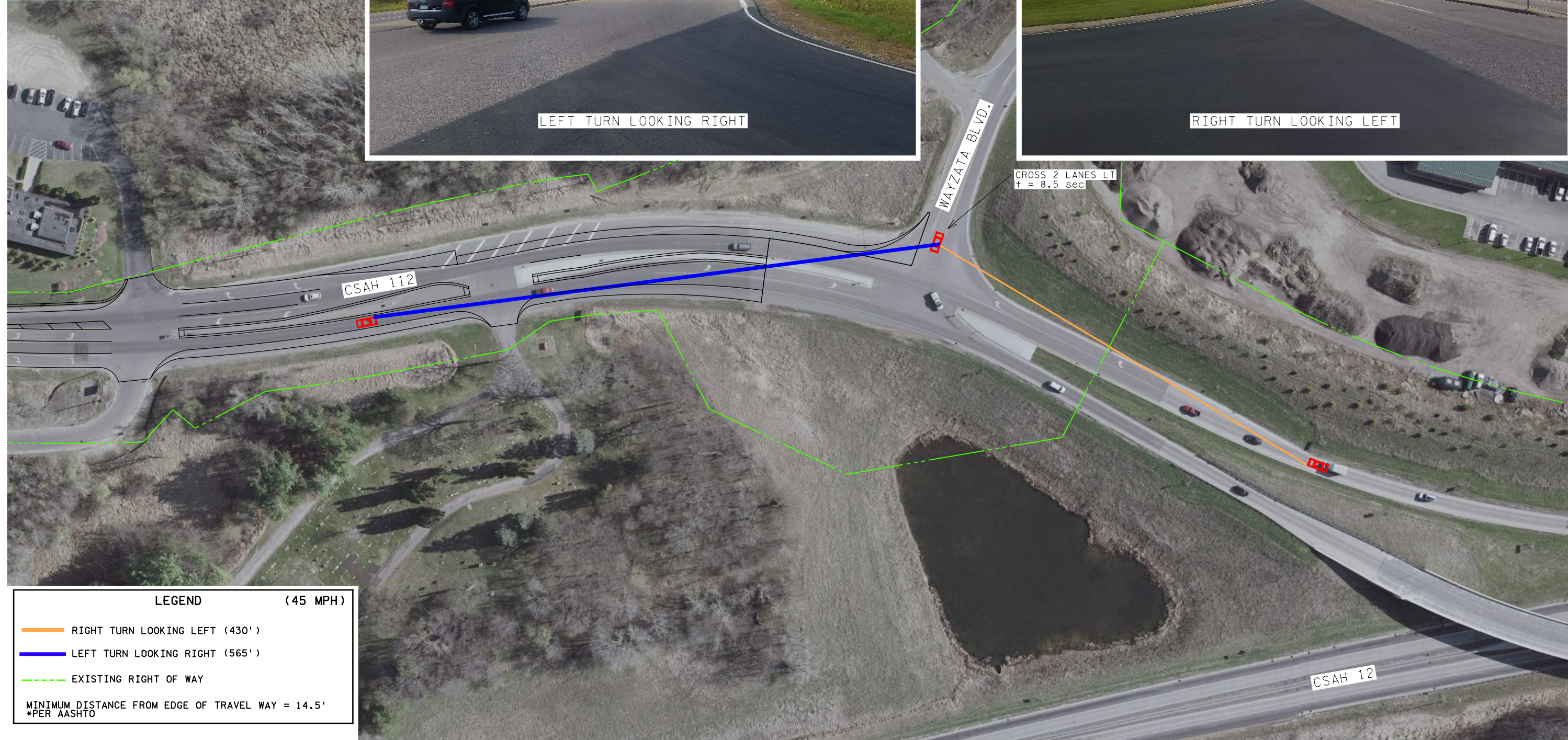
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LEFT TURN LOOKING RIGHT



RIGHT TURN LOOKING LEFT



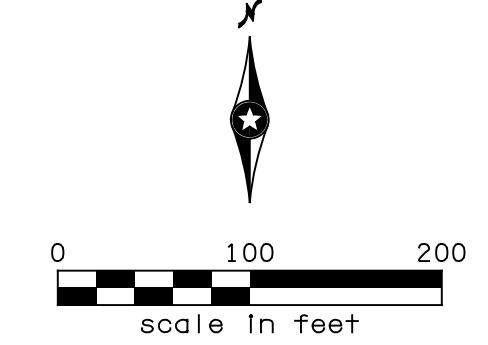
CROSS 2 LANES LT
+ = 8.5 sec

LEGEND (45 MPH)

- RIGHT TURN LOOKING LEFT (430')
- LEFT TURN LOOKING RIGHT (565')
- - - EXISTING RIGHT OF WAY

MINIMUM DISTANCE FROM EDGE OF TRAVEL WAY = 14.5'
*PER AASHTO

Figure 3



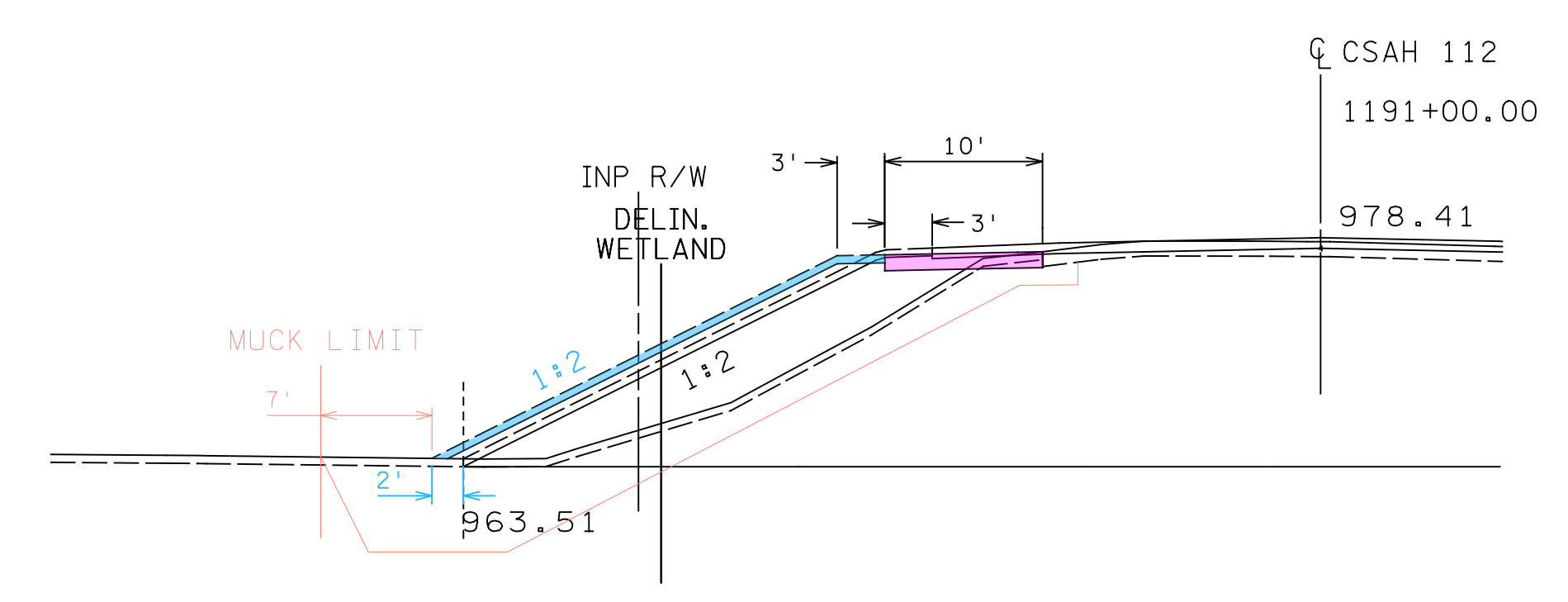
TEMPORARY PAVEMENT WIDENING

STAGE 1 CONSTRUCTION

1) PREFORM MUCK EXCAVATION ALONG NORTHEAST SIDE OF ROADWAY AND PAVE SHOULDERS FOR TEMP WIDENING.



TEMPORARY PAVEMENT SECTION



STAGE 2 & 3 CONSTRUCTION

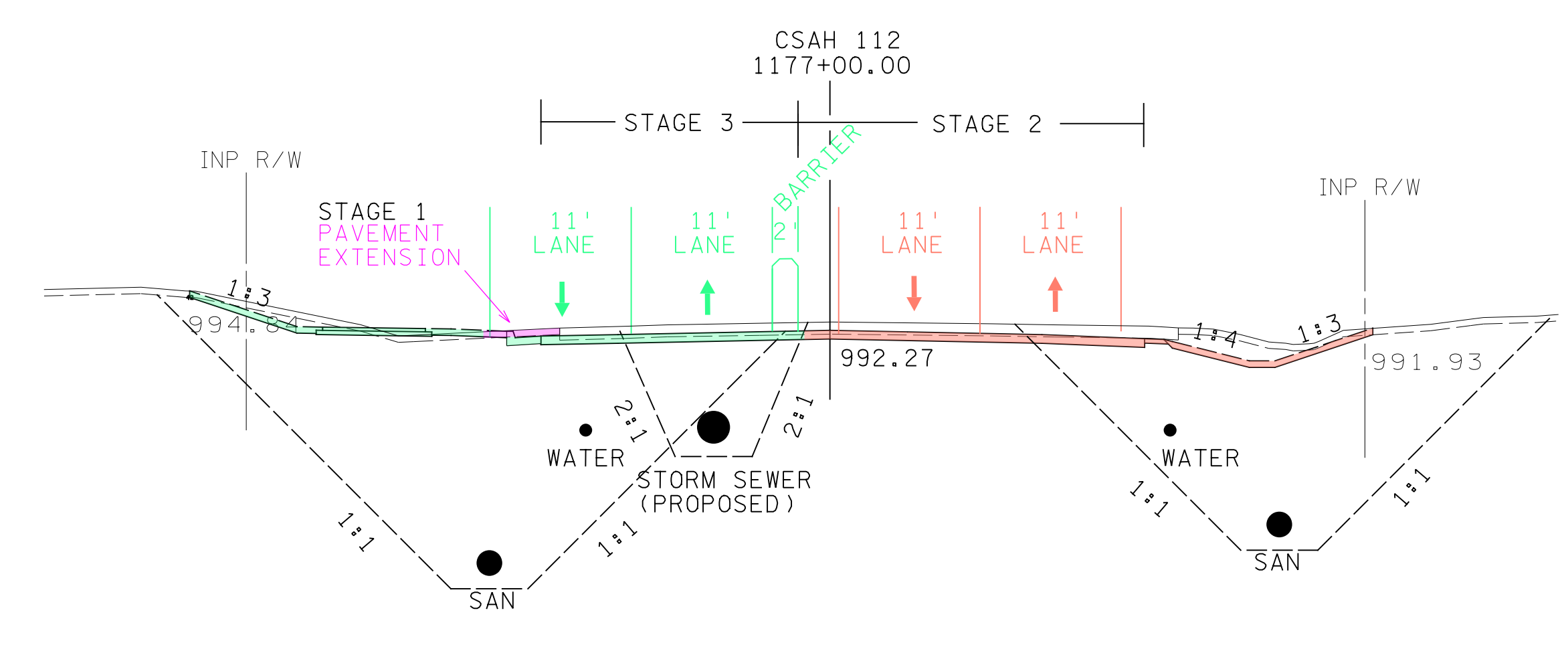
1) TWO LANES, TWO WAY TRAFFIC ON NORTH SIDE OF ROAD. CONSTRUCT STAGE 2 CONSTRUCTION AREAS INCLUDING SOUTH SIDE MUCK AREA, PRIVATE UTILITIES, AND LARGE RETAINING WALL ON CURVE.

2) SWITCH TRAFFIC ONTO NEW SOUTH SIDE PAVEMENT SECTION FOR TWO LANES, TWO WAY TRAFFIC.

3) CONSTRUCT STAGE 3 CONSTRUCTION AREAS INCLUDING TRAIL AND UTILITIES. CLOSE OLD LONG LAKE ROAD AND REBUILD.

* MAINTAIN TRAFFIC ACCESS TO RESIDENTIAL/COMMERCIAL

DETAIL A



- STAGE 1 CONSTRUCTION
- STAGE 2 CONSTRUCTION
- STAGE 3 CONSTRUCTION
- FULL CLOSURE
- MUCK AREA