

Information for File # 2014-03699-MMJ; Trunk Highway (TH) 5 Reconstruction – Waconia

Applicant: City of Waconia

Corps Contact: Melissa Jenny

**Address: U.S. Army Corps of Engineers
Attention: Regulatory Branch
180 Fifth Street East, Suite 700
St. Paul, Minnesota 55101**

E-Mail: Melissa.m.jenny@usace.army.mil

Phone: (651) 290-5363

Primary County: Carver

Section, Township, Range: Sections 22, 23 & 27, T. 116 N., R. 25 W.

Information Complete On: 11/03/2014

Posting Expires On: 11/14/2014

Authorization Type: LOP-05-MN

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act. Our jurisdictional review and final jurisdictional determination could result in modifications to the scope of the project's regulated waterbody/wetland impacts and compensatory mitigation requirements identified above. An approved jurisdictional determination may be made prior to reaching a permit decision, and would be posted on the St. Paul District web page at <http://www.mvp.usace.army.mil/>.

Project

LINEAR PROJECT: The proposed project would involve reconstruction of Trunk Highway (TH) 5 from west of Oak Avenue to TH 284, in the City of Waconia.

PROJECT DESCRIPTION AND PURPOSE: TH 5 would be reconstructed for a length of approximately 1.5 miles. Reconstruction activities would include expanding the existing 2-lane rural section to a 4-lane divided urban section with improved non-motorized facilities. The project would include new local connections, a new traffic

signal at Cherry Street, access management and new storm ponds for treatment of added impervious surfaces. In addition, a pedestrian underpass would be constructed east of Oak Avenue.

NAME, AREA AND TYPES OF WATERS (INCLUDING WETLANDS) SUBJECT TO LOSS: Twenty wetland areas, including storm water ponds and roadside ditches, were delineated within the project area. As proposed, the project would result in the discharge of fill material into approximately 2.80 acres of wet meadow and shallow marsh type wetland.

ALTERNATIVES CONSIDERED: The no-build alternative would avoid all wetland impacts, but would not meet the overall purpose of the project; to improve roadway safety and capacity, and pedestrian/bicycle accessibility, from west of Oak Avenue to TH 284 in the City of Waconia. Numerous design alternatives were considered but deemed not practicable because they did not comply with current road authority safety standards or storm water treatment practices. The preferred alternative described above was designed to comply with current safety standards, which requires the re-configuration of the 10th Street and TH 5 intersection, while minimizing wetland impacts to the greatest extent possible.

COMPENSATORY MITIGATION: The applicant has proposed to compensate for unavoidable permanent wetland impacts associated with this project via purchase of wetland bank credits from a Corps approved wetland bank located within the same bank service area (BSA 9) as the impact site.

Drawings: See attached.



0 1,500 Feet



Legend

- Waconia City Limits
- Project Area

**CITY OF WACONIA
TRUNK HIGHWAY 5
CORRIDOR IMPROVEMENTS**

PROJECT LOCATION
EXHIBIT A
NOVEMBER, 2013

Source:



0 600 Feet



Legend

- Project Area
- Wetland Boundary
- D Soil Boring Sites
- W Non-Hydric Soil Sample Sites

**CITY OF WACONIA
TRUNK HIGHWAY 5
CORRIDOR IMPROVEMENTS**

**SITE MAP WITH
WETLAND DELINEATION**

EXHIBIT F
NOVEMBER, 2013

Aquatic Resource ID (as noted on overhead view)	Aquatic Resource Type (wetland, lake, tributary etc.)	Type of Impact (fill, excavate, drain, or remove vegetation)	Duration of Impact Permanent (P) or Temporary (T) ¹	Size of Impact ²	Overall Size of Aquatic Resource ³	Existing Plant Community Type(s) in Impact Area ⁴	County, Major Watershed #, and Bank Service Area # of Impact Area ⁵
1	Degraded Wetland	Fill	P	11,552	224,067	Fresh Wet Meadow	33/9
3	Creek Channel	Fill- FES	P	458	Creek	Shallow Open Water	33/9
4	Creek Channel	Culvert	P	75	Creek	Shallow Open Water	33/9
5	Artificial Pond	Fill	P	2,847	2,847	Shallow Marsh	33/9
6	Degraded Wetland	Fill	P	3,790	43,000	Fresh Wet Meadow	33/9
7	Degraded Wetland	Fill (Road) Fill (Pond) Excavation	P P P	8,578 11,509 28,691	174,751	Fresh Wet Meadow	33/9
8	Artificial Wetland	Fill	P	7,401	7,401	Fresh Wet Meadow	33/9
10	Artificial Wetland	Fill	P	5,595	5,595	Shallow Marsh	33/9
11	Artificial Wetland	Fill	P	4,926	4,926	Fresh Wet Meadow	33/9
12	Artificial Wetland	Fill	P	13,474	13,474	Fresh Wet Meadow	33/9
13	Artificial Ditch	Fill (new road)	P	850	6,497	Shallow Marsh	33/9
14	Artificial Ditch	Fill (new road)	P	3,425	21,191	Fresh Wet Meadow	33/9
15	Artificial Pond	Fill	P	4,358	15,700	Shallow Marsh	33/9
16	Artificial Pond	Fill	P	1,201	1,201	Fresh Wet Meadow	33/9
17	Artificial Pond	Fill	P	841	6,675	Shallow Marsh	33/9
18	Artificial Wetland	Fill	P	6,286	6,286	Shallow Marsh	33/9
19	Artificial Wetland	Fill	P	587	587	Shallow Marsh	33/9
20	Artificial Wetland	Fill	P	4,463	4,463	Shallow Marsh	33/9
22	Degraded Wetland	Fill	P	447	60,000	Fresh Wet Meadow	33/9
25	Creek Channel	Fill	P	809	Creek	Shallow Open Water	33/9
26	Storm Pond	Excavation	T	1,045	13,122	Shallow Open Water	33/9
TOTAL			P T	122,161 1,045			33/9

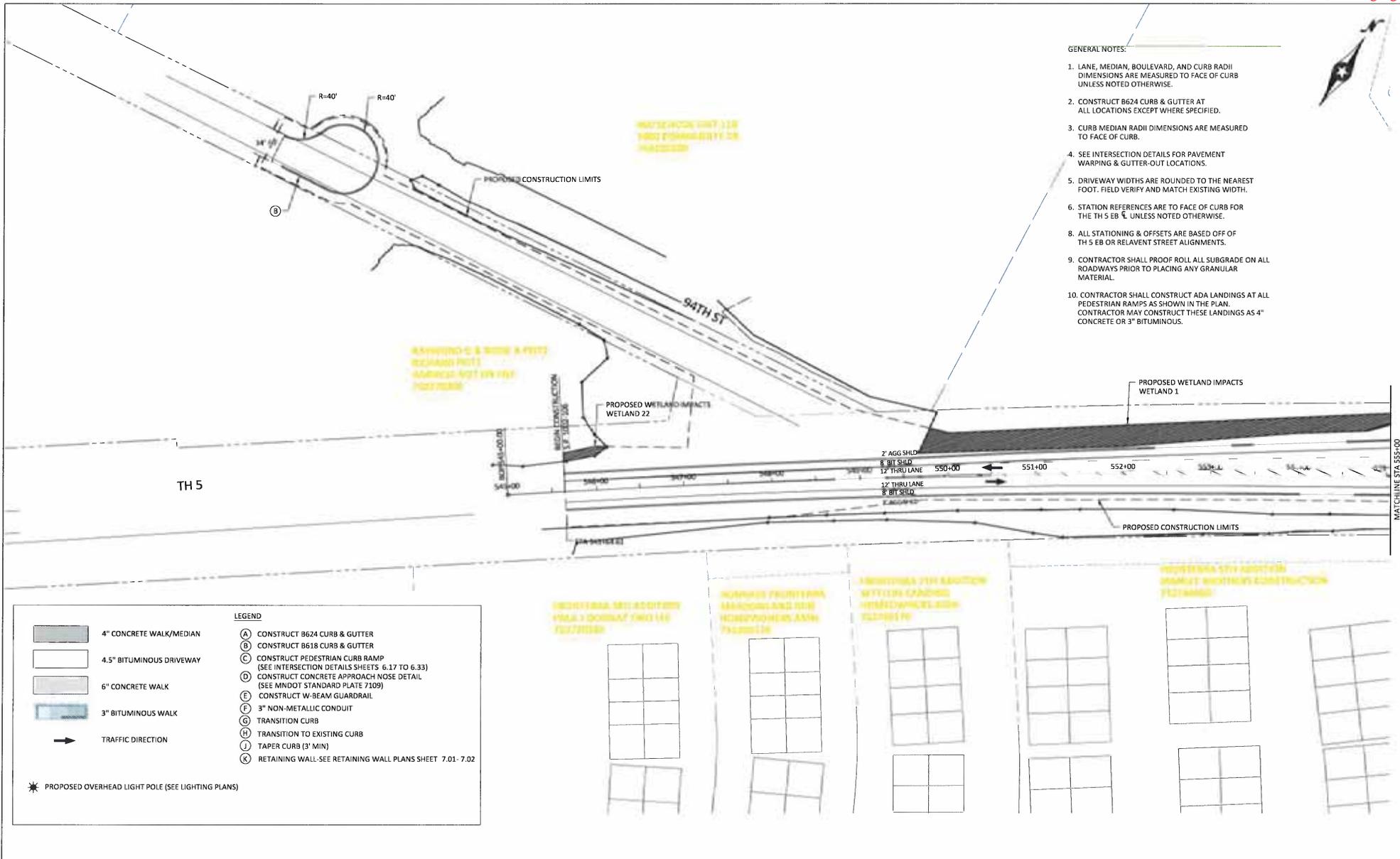
¹If impacts are temporary; enter the duration of the impacts in days next to the "T". For example, a project with a temporary access fill that would be removed after 220 days would be entered "T (220)".

²Impacts less than 0.01 acre should be reported in square feet. Impacts 0.01 acre or greater should be reported as acres and rounded to the nearest 0.01 acre. Tributary impacts must be reported in linear feet of impact and an area of impact by indicating first the linear feet of impact along the flowline of the stream followed by the area impact in parentheses). For example, a project that impacts 50 feet of a stream that is 6 feet wide would be reported as 50 ft (300 square feet).

³This is generally only applicable if you are applying for a de minimis exemption under MN Rules 8420.0420 Subp. 8, otherwise enter "N/A".

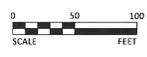
⁴Use *Wetland Plants and Plant Community Types of Minnesota and Wisconsin* 3rd Ed. as modified in MN Rules 8420.0405 Subp. 2.

⁵Refer to Major Watershed and Bank Service Area maps in MN Rules 8420.0522 Subp. 7.



- GENERAL NOTES:
1. LANE, MEDIAN, BOULEVARD, AND CURB RADI DIMENSIONS ARE MEASURED TO FACE OF CURB UNLESS NOTED OTHERWISE.
 2. CONSTRUCT B624 CURB & GUTTER AT ALL LOCATIONS EXCEPT WHERE SPECIFIED.
 3. CURB MEDIAN RADI DIMENSIONS ARE MEASURED TO FACE OF CURB.
 4. SEE INTERSECTION DETAILS FOR PAVEMENT WARPING & GUTTER-OUT LOCATIONS.
 5. DRIVEWAY WIDTHS ARE ROUNDED TO THE NEAREST FOOT. FIELD VERIFY AND MATCH EXISTING WIDTH.
 6. STATION REFERENCES ARE TO FACE OF CURB FOR THE TH 5 EB & UNLESS NOTED OTHERWISE.
 8. ALL STATIONING & OFFSETS ARE BASED OFF OF TH 5 EB OR RELAVENT STREET ALIGNMENTS.
 9. CONTRACTOR SHALL PROOF ROLL ALL SUBGRADE ON ALL ROADWAYS PRIOR TO PLACING ANY GRANULAR MATERIAL.
 10. CONTRACTOR SHALL CONSTRUCT ADA LANDINGS AT ALL PEDESTRIAN RAMPS AS SHOWN IN THE PLAN. CONTRACTOR MAY CONSTRUCT THESE LANDINGS AS 4" CONCRETE OR 3" BITUMINOUS.

	4" CONCRETE WALK/MEDIAN	LEGEND
	4.5" BITUMINOUS DRIVEWAY	(A) CONSTRUCT B624 CURB & GUTTER
	6" CONCRETE WALK	(B) CONSTRUCT B618 CURB & GUTTER
	3" BITUMINOUS WALK	(C) CONSTRUCT PEDESTRIAN CURB RAMP (SEE INTERSECTION DETAILS SHEETS 6.17 TO 6.33)
	TRAFFIC DIRECTION	(D) CONSTRUCT CONCRETE APPROACH NOSE DETAIL (SEE MNDOT STANDARD PLATE 7109)
	PROPOSED OVERHEAD LIGHT POLE (SEE LIGHTING PLANS)	(E) CONSTRUCT W-BEAM GUARDRAIL
		(F) 3" NON-METALLIC CONDUIT
		(G) TRANSITION CURB
		(H) TRANSITION TO EXISTING CURB
		(J) TAPER CURB (3' MIN)
		(X) RETAINING WALL-SEE RETAINING WALL PLANS SHEET 7.01- 7.02



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

ANDREW L. BUDDÉ
LIC. NO. 42585 DATE: SEPTEMBER 19, 2014

BOLTON & MENK, INC.
Consulting Engineers & Surveyors
MANKATO, MN FAIRMONT, MN SLEEPY CREEK, MN BURNSVILLE, MN WILLMAR, MN
CHASKA, MN RAMSEY, MN MAPLEWOOD, MN BAXTER, MN ROCHESTER, MN
AMES, IA SPENCER, IA DES MOINES, IA FARGO, ND

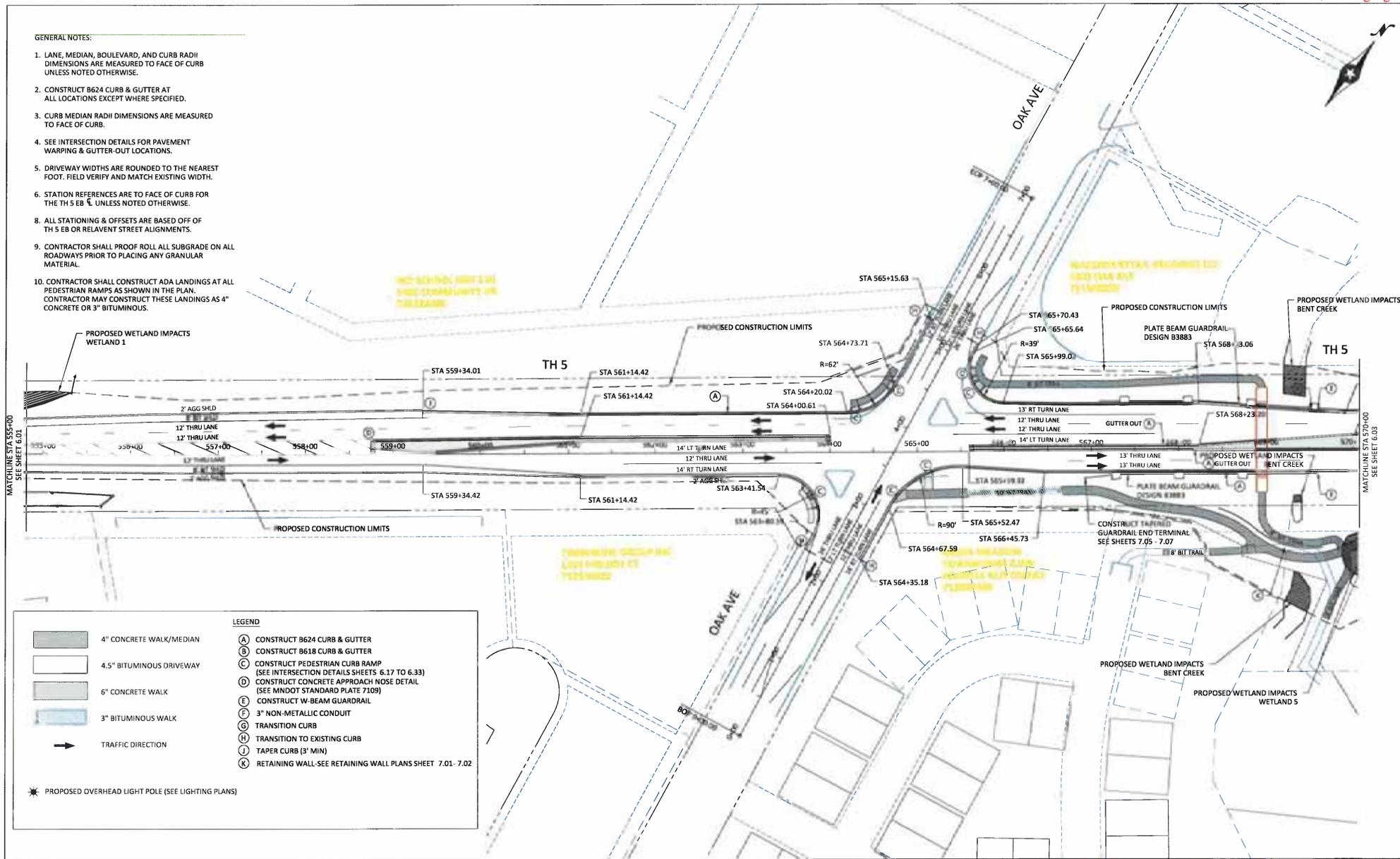
DESIGNED	ALB
DRAWN	SCD
CHECKED	ALB

NO.	REV.	DATE	S.P. 1002-106, S.A.P 231-010-008 (TH 5), S.A.P. 010-610-049 (CSAH 10)	SHEET
			TH 5 CORRIDOR IMPROVEMENTS	6.01
			CONSTRUCTION PLAN	OF
				365

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GENERAL NOTES:

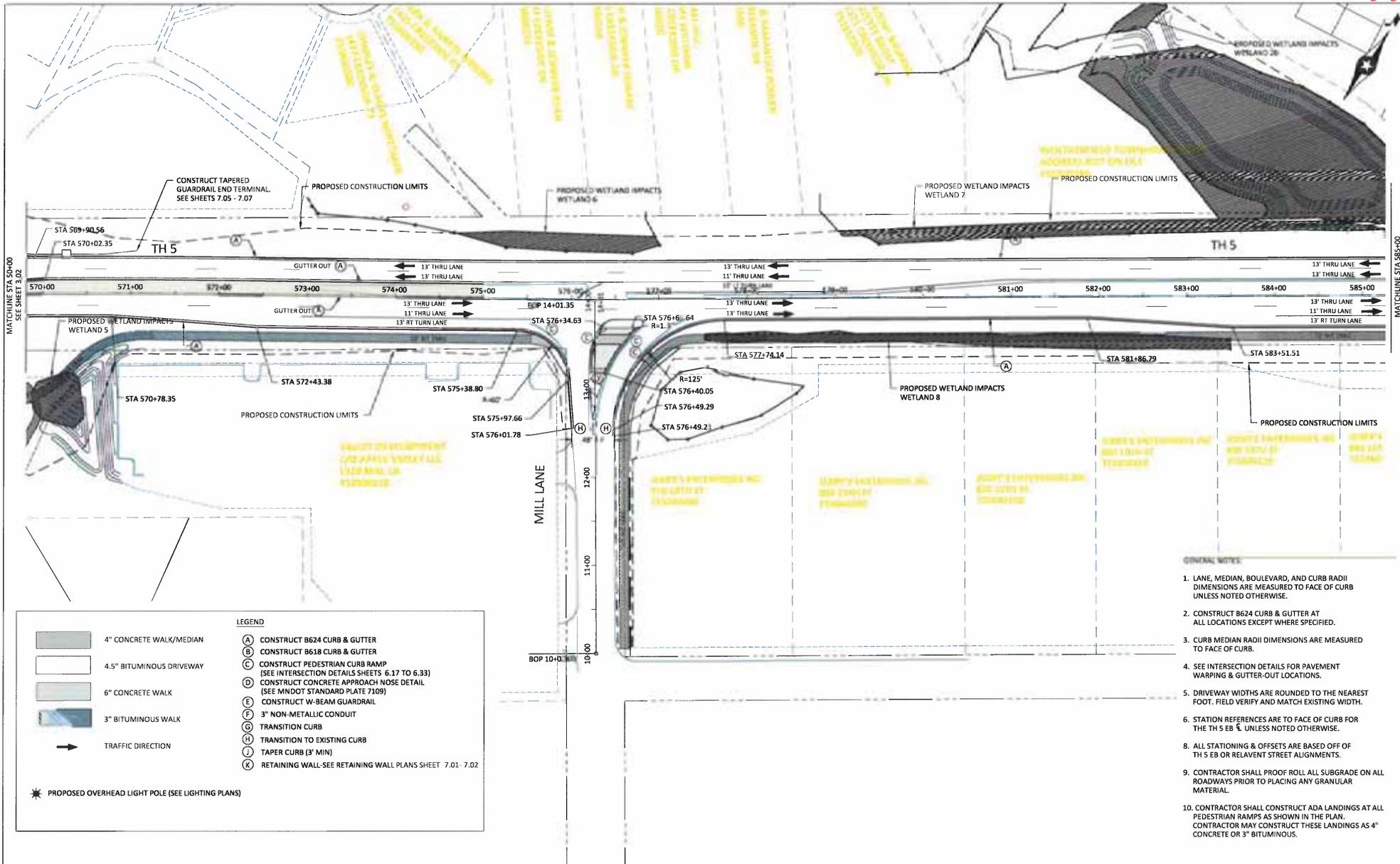
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	4.5" BITUMINOUS DRIVEWAY
	6" CONCRETE WALK
	3" BITUMINOUS WALK
	TRAFFIC DIRECTION
	PROPOSED OVERHEAD LIGHT POLE (SEE LIGHTING PLANS)
	(A) CONSTRUCT B624 CURB & GUTTER
	(B) CONSTRUCT B618 CURB & GUTTER
	(C) CONSTRUCT PEDESTRIAN CURB RAMP (SEE INTERSECTION DETAILS SHEETS 6.17 TO 6.33)
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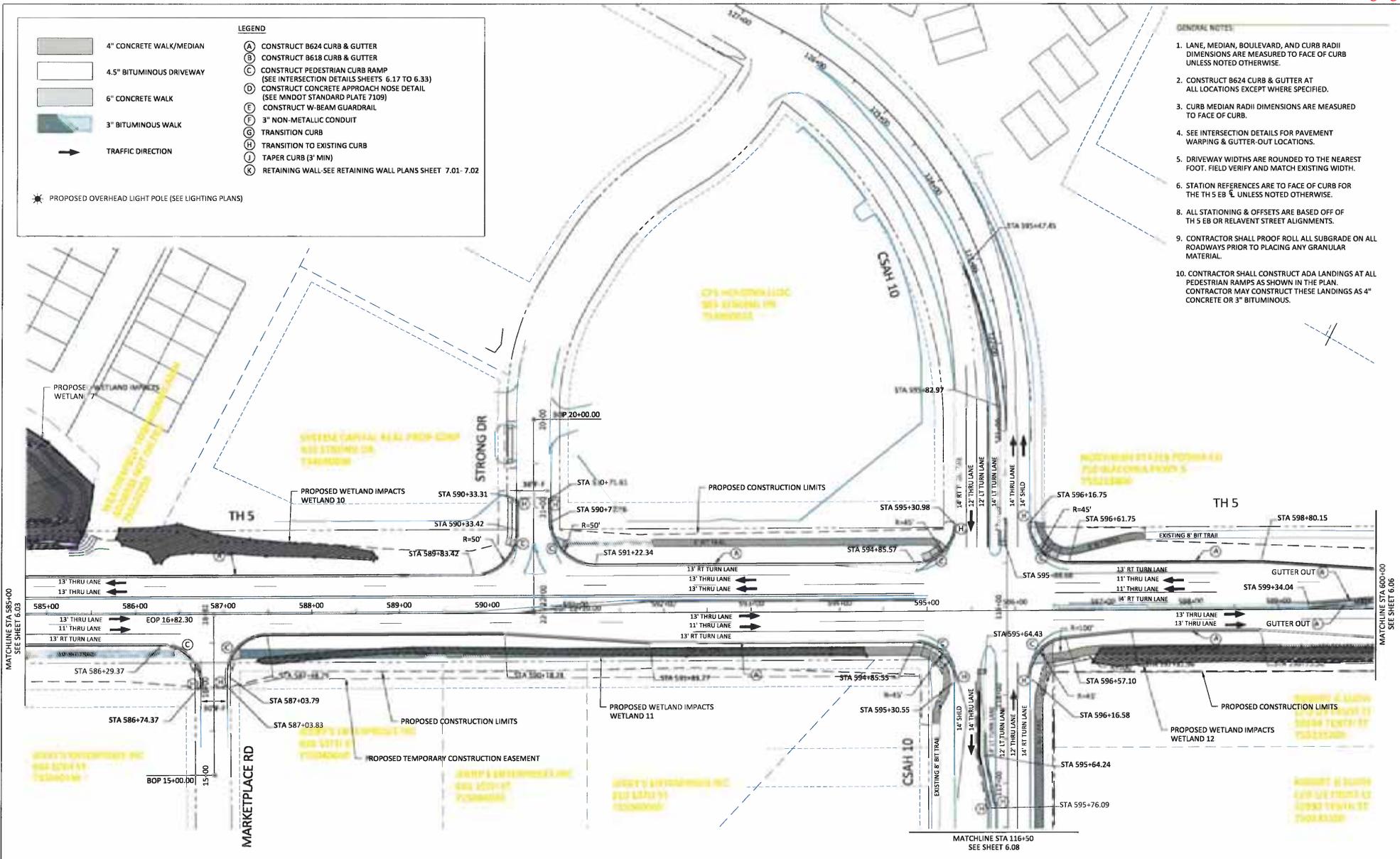
	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. ANDREW L. BUDDE LIC. NO. 42585 DATE: SEPTEMBER 19, 2014	DRAWING: ALB EXHIBIT: SCD CHECKED: ALB	BOLTON & MENK, INC. Consulting Engineers & Surveyors MANKATO, MN FAIRMONT, MN SLEEPY CREEK, MN BURNSVILLE, MN WILLMAR, MN CHASKA, MN RAMSEY, MN MARPLEWOOD, MN BAXTER, MN ROCHESTER, MN AMES, IA SPENCER, IA DES MOINES, IA FARGO, ND	S.P. 1002-106, S.A.P 231-010-008 (TH 5), S.A.P. 010-610-049 (CSAH 10)	SHEET 6.02 OF 365
				TH 5 CORRIDOR IMPROVEMENTS CONSTRUCTION PLAN	

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	<small>EMERGENCY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.</small> ANDREW L. BUDDÉ LIC. NO. 42585 DATE SEPTEMBER 19, 2014	DESIGNED: ALB DRAWN: SCD CHECKED: ALB	BOLTON & MENK, INC. Consulting Engineers & Surveyors MANKATO, MN FARMINGTON, MN SLEEPY CREEK, MN BURNSVILLE, MN WILLMAR, MN CHASKA, MN RAMSEY, MN MAPLEWOOD, MN BAXTER, MN ROCHESTER, MN AMES, IA SPENCER, IA DES MOINES, IA FARGO, ND	S.P. 1002-106, S.A.P. 231-010-008 (TH 5), S.A.P. 010-610-049 (CSAH 10) TH 5 CORRIDOR IMPROVEMENTS	SHEET 8 OF 03
					CONSTRUCTION PLAN

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LEGEND

- (A) CONSTRUCT B624 CURB & GUTTER
- (B) CONSTRUCT B618 CURB & GUTTER
- (C) CONSTRUCT PEDESTRIAN CURB RAMP (SEE INTERSECTION DETAILS SHEETS 6.17 TO 6.33)
- (D) CONSTRUCT CONCRETE APPROACH NOSE DETAIL (SEE MNDOT STANDARD PLATE 7109)
- (E) CONSTRUCT W-BEAM GUARDRAIL
- (F) 3" NON-METALLIC CONDUIT
- (G) TRANSITION CURB
- (H) TRANSITION TO EXISTING CURB
- (L) TAPER CURB (3' MIN)
- (K) RETAINING WALL-SEE RETAINING WALL PLANS SHEET 7.01-7.02

4" CONCRETE WALK/MEDIAN
 4.5" BITUMINOUS DRIVEWAY
 6" CONCRETE WALK
 3" BITUMINOUS WALK
 TRAFFIC DIRECTION
 PROPOSED OVERHEAD LIGHT POLE (SEE LIGHTING PLANS)

- GENERAL NOTES:**
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ANDREW L. BUDDE
 LICENSE NO. 42585 DATE SEPTEMBER 19, 2014

BOLTON & MENK, INC.
 Consulting Engineers & Surveyors
 MANKATO, MN FARMINGTON, MN SLEEPY EYE, MN BURNSVILLE, MN WELLSVILLE, MN
 CHASKA, MN RAMSEY, MN MAPLEWOOD, MN BAXTER, MN ROCHESTER, MN
 AMES, IA SPENCER, IA DES MOINES, IA FARGO, ND

PROJECT	S.P. 1002-106, S.A.P 231-010-008 (TH 5), S.A.P. 010-610-049 (CSAH 10)	SHEET	6.04
DATE		OF	
TH 5 CORRIDOR IMPROVEMENTS			
CONSTRUCTION PLAN			

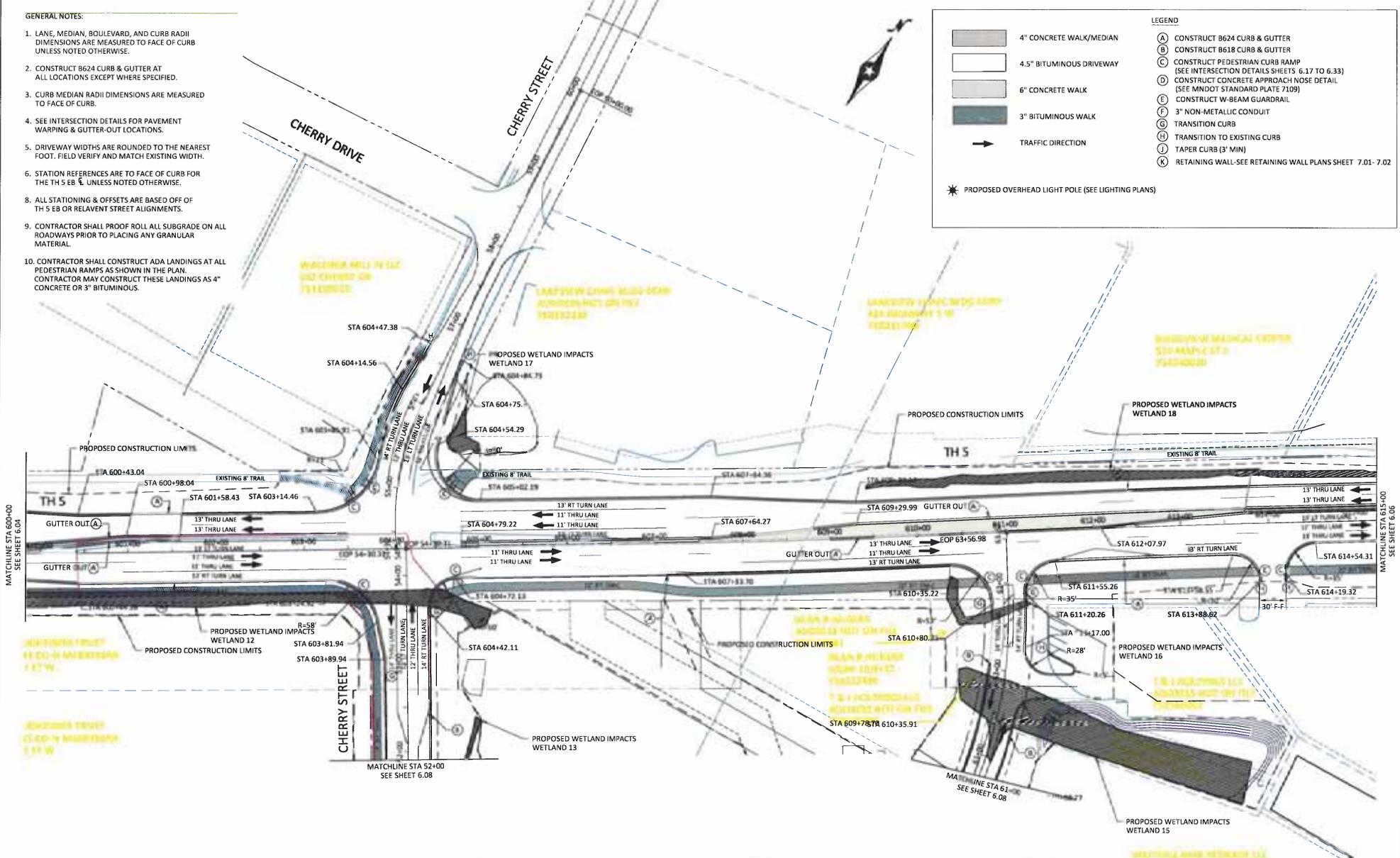
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GENERAL NOTES:

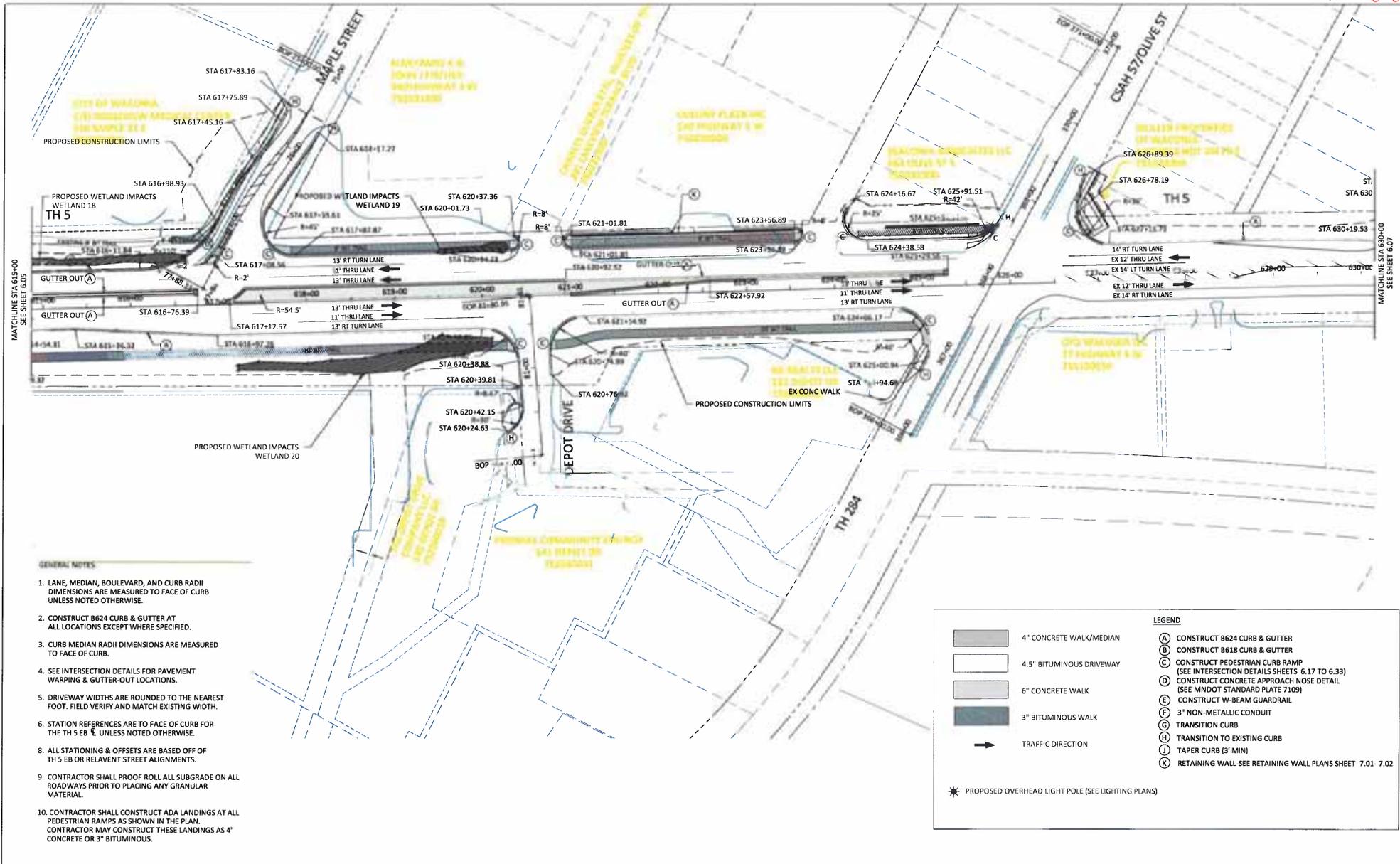
1. LANE, MEDIAN, BOULEVARD, AND CURB RADII DIMENSIONS ARE MEASURED TO FACE OF CURB UNLESS NOTED OTHERWISE.
2. CONSTRUCT 8624 CURB & GUTTER AT ALL LOCATIONS EXCEPT WHERE SPECIFIED.
3. CURB MEDIAN RADII DIMENSIONS ARE MEASURED TO FACE OF CURB.
4. SEE INTERSECTION DETAILS FOR PAVEMENT WARPING & GUTTER-OUT LOCATIONS.
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	4.5" BITUMINOUS DRIVEWAY
	6" CONCRETE WALK
	3" BITUMINOUS WALK
	TRAFFIC DIRECTION
	PROPOSED OVERHEAD LIGHT POLE (SEE LIGHTING PLANS)

LEGEND	
(A)	CONSTRUCT 8624 CURB & GUTTER
(B)	CONSTRUCT 8618 CURB & GUTTER
(C)	CONSTRUCT PEDESTRIAN CURB RAMP (SEE INTERSECTION DETAILS SHEETS 6.17 TO 6.33)
(D)	CONSTRUCT CONCRETE APPROACH NOSE DETAIL (SEE MNDOT STANDARD PLATE 7109)
(E)	CONSTRUCT W-BEAM GUARDRAIL
(F)	3" NON-METALLIC CONDUIT
(G)	TRANSITION CURB
(H)	TRANSITION TO EXISTING CURB
(J)	TAPER CURB (3' MIN)
(K)	RETAINING WALL-SEE RETAINING WALL PLANS SHEET 7.01-7.02



<p>SCALE 0 50 100 FEET</p>	<p>I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A duly licensed PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.</p> <p>ANDREW L. BUDDE LIC. NO. 42585 DATE: SEPTEMBER 19, 2014</p>	<p>DESIGNED BY: [Signature]</p> <p>DRAWN BY: [Signature]</p> <p>CHECKED BY: [Signature]</p> <p>ALB</p>	<p>BOLTON & MENK, INC. Consulting Engineers & Surveyors MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN BURNSVILLE, MN WILLMAR, MN CHASKA, MN RAMSEY, MN MAPLEWOOD, MN BAXTER, MN ROCHESTER, MN AMES, IA SPENCER, IA DES MOINES, IA FARGO, ND</p>	<table border="1"> <tr> <th>NO.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	NO.	DATE							<p>S.P. 1002-106, S.A.P. 231-010-008 (TH 5), S.A.P. 010-610-049 (CSAH 10)</p> <p style="text-align: center;">TH 5 CORRIDOR IMPROVEMENTS</p> <p style="text-align: center;">CONSTRUCTION PLAN</p>	<p>SHEET 6.05 OF 365</p>
					NO.	DATE								
<p style="font-size: small;">© Bolton & Menk, Inc. 2014. All Rights Reserved. \\S:\WACAC\210825\3\CD\WET APP FIGURE\106251_WET APP IMPACTS.DWG 10/31/2014 9:52</p>														



GENERAL NOTES

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LEGEND

	4" CONCRETE WALK/MEDIAN		CONSTRUCT B624 CURB & GUTTER
	4.5" BITUMINOUS DRIVEWAY		CONSTRUCT B618 CURB & GUTTER
	6" CONCRETE WALK		CONSTRUCT PEDESTRIAN CURB RAMP (SEE INTERSECTION DETAILS SHEETS 6.17 TO 6.33)
	3" BITUMINOUS WALK		CONSTRUCT CONCRETE APPROACH NOSE DETAIL (SEE MNDOT STANDARD PLATE 7109)
	TRAFFIC DIRECTION		CONSTRUCT W-BEAM GUARDRAIL
	PROPOSED OVERHEAD LIGHT POLE (SEE LIGHTING PLANS)		3" NON-METALLIC CONDUIT
			TRANSITION CURB
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			TAPER CURB (3' MIN)
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AMES, IA SPENCER, IA DES MOINES, IA FARGO, ND

DESIGNED	ALB	CHECKED	ALB	DATE	SEP 19 2014	S.P. 1002-106, S.A.P 231-010-008 (TH 5), S.A.P. 010-610-049 (CSAH 10)
DRAWN	SCD	DATE				TH 5 CORRIDOR IMPROVEMENTS
CHECKED	ALB					CONSTRUCTION PLAN

SHEET 6.06 OF 365

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	4" CONCRETE WALK/MEDIAN	LEGEND (A) CONSTRUCT B624 CURB & GUTTER (B) CONSTRUCT B618 CURB & GUTTER (C) CONSTRUCT PEDESTRIAN CURB RAMP (SEE INTERSECTION DETAILS SHEETS 6.17 TO 6.33) (D) CONSTRUCT CONCRETE APPROACH NOSE DETAIL (SEE MNDOT STANDARD PLATE 7109) (E) CONSTRUCT W-BEAM GUARDRAIL (F) 3" NON-METALLIC CONDUIT (G) TRANSITION CURB (H) TRANSITION TO EXISTING CURB (I) TAPER CURB (3' MIN) (K) RETAINING WALL-SEE RETAINING WALL PLANS SHEET 7.01- 7.02
	4.5" BITUMINOUS DRIVEWAY	
	6" CONCRETE WALK	
	3" BITUMINOUS WALK	
	TRAFFIC DIRECTION	
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1. LANE, MEDIAN, BOULEVARD, AND CURB RADII DIMENSIONS ARE MEASURED TO FACE OF CURB UNLESS NOTED OTHERWISE.
 2. CONSTRUCT B624 CURB & GUTTER AT ALL LOCATIONS EXCEPT WHERE SPECIFIED.
 3. CURB MEDIAN RADII DIMENSIONS ARE MEASURED TO FACE OF CURB.
 4. SEE INTERSECTION DETAILS FOR PAVEMENT WARPING & GUTTER-OUT LOCATIONS.
 5. DRIVEWAY WIDTHS ARE ROUNDED TO THE NEAREST FOOT. FIELD VERIFY AND MATCH EXISTING WIDTH.
 6. STATION REFERENCES ARE TO FACE OF CURB FOR THE TH 5 EB & UNLESS NOTED OTHERWISE.
 7. ALL STATIONING & OFFSETS ARE BASED OFF OF TH 5 EB OR RELAVENT STREET ALIGNMENTS.
 8. CONTRACTOR SHALL PROOF ROLL ALL SUBGRADE ON ALL ROADWAYS PRIOR TO PLACING ANY GRANULAR MATERIAL.
 9. CONTRACTOR SHALL CONSTRUCT ADA LANDINGS AT ALL PEDESTRIAN RAMPS AS SHOWN IN THE PLAN. CONTRACTOR MAY CONSTRUCT THESE LANDINGS AS 4" CONCRETE OR 3" BITUMINOUS.

MATCHLINE STA 520+00 SEE SHEET 6.05



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

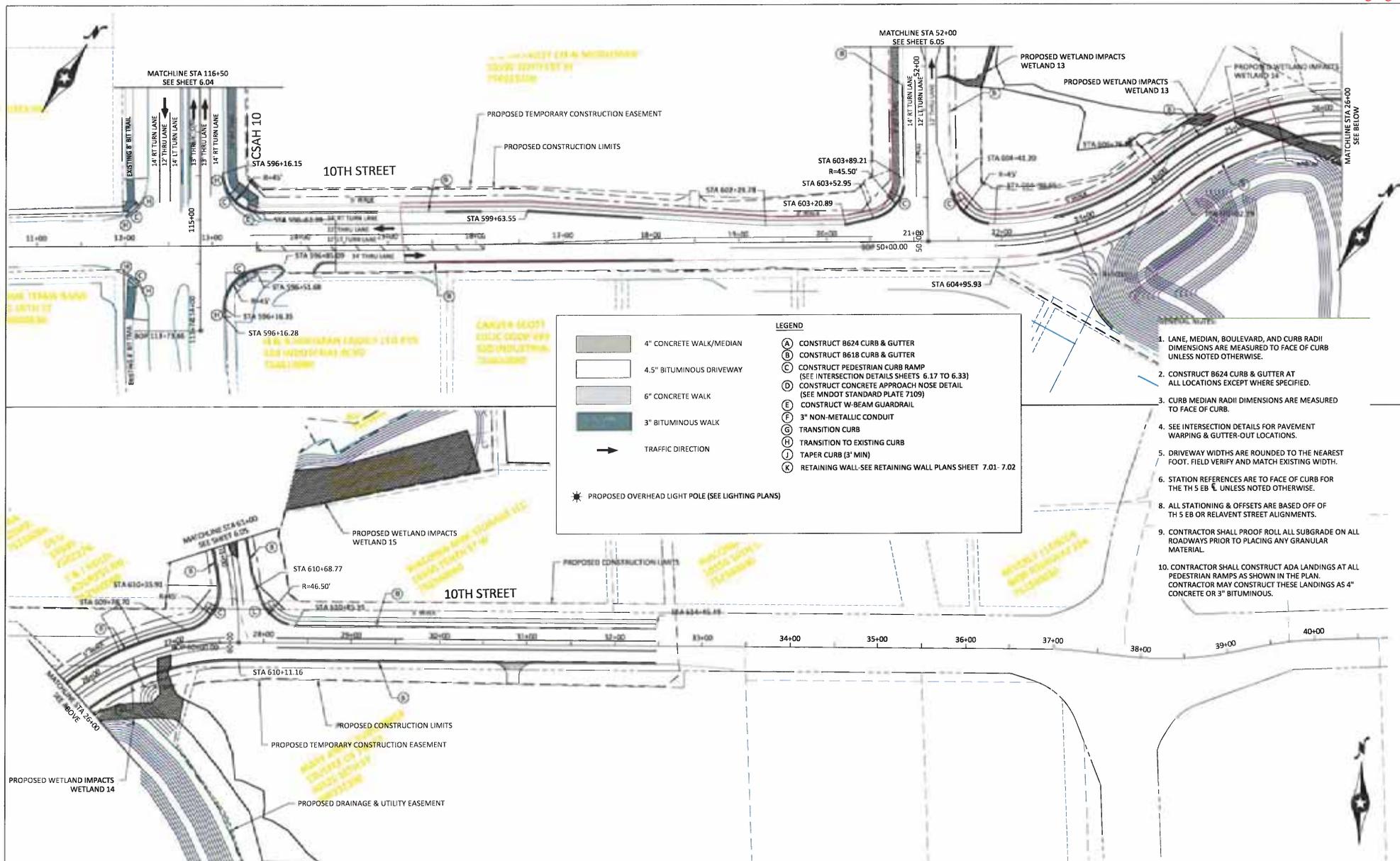
DESIGNED: AIB
 DRAWN: SCD
 CHECKED: ALB
 DATE: SEPTEMBER 19, 2014

ANDREW L. BUDE
 LIC. NO. 42585

BOLTON & MENK, INC.
 Consulting Engineers & Surveyors
 MANKATO, MN FAIRMONT, MN SLEEPY CREEK, MN BURNSVILLE, MN WILLMAR, MN
 CHASKA, MN RAMSEY, MN MAPLEWOOD, MN BAXTER, MN ROCHESTER, MN
 AMES, IA SPENCER, IA DES MOINES, IA FARGO, ND

NO.	REV.	DATE	S.P. 1002-106, S.A.P 231-010-008 (TH 5), S.A.P. 010-610-049 (CSAH 10)
			TH 5 CORRIDOR IMPROVEMENTS
			CONSTRUCTION PLAN

SHEET
6.07
OF
365



LEGEND

- (A) CONSTRUCT 8624 CURB & GUTTER
- (B) CONSTRUCT 8618 CURB & GUTTER
- (C) CONSTRUCT PEDESTRIAN CURB RAMP (SEE INTERSECTION DETAILS SHEETS 6.17 TO 6.33)
- (D) CONSTRUCT CONCRETE APPROACH NOSE DETAIL (SEE MNDOT STANDARD PLATE 7109)
- (E) CONSTRUCT W-BEAM GUARDRAIL
- (F) 3" NON-METALLIC CONDUIT
- (G) TRANSITION CURB
- (H) TRANSITION TO EXISTING CURB
- (I) TAPER CURB (3' MIN)
- (K) RETAINING WALL-SEE RETAINING WALL PLANS SHEET 7.01- 7.02

4" CONCRETE WALK/MEDIAN
 4.5" BITUMINOUS DRIVEWAY
 6" CONCRETE WALK
 3" BITUMINOUS WALK
 TRAFFIC DIRECTION
 PROPOSED OVERHEAD LIGHT POLE (SEE LIGHTING PLANS)

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