City of Stoughton, 207 S. Forrest Street, Stoughton WI 53589

RESOLUTION OF THE COMMON COUNCIL

Approving a financial agreement between the State of Wisconsin and the City of Stoughton for costs associated with the reconstruction of USH 51 from Spring Road to Fifth Street scheduled to be constructed in 2025.

Committee Action: Public Works Committee recommends unanimously on 2/17/2022)

Fiscal Impact: City - $219,200 (estimate); Stoughton Utilities - $454,500 (estimate)

File Number:	R--2022	**Date Introduced**	March 8, 2022

WHEREAS, the Wisconsin Department of Transportation (DOT) is scheduled to reconstruct USH 51 between Spring Road and Fifth Street, in 2025 (the "Project"); and

WHEREAS, a financial agreement has been prepared for the City's contribution to the project; and

WHEREAS, the current cost estimate is based on decorative lighting between Fifth Street and the railroad tracks and standard DOT lighting between the railroad tracks and Spring Road; and

WHEREAS, the City's portion of the standard lighting is $116,000 and $89,000 to upgrade to decorative lighting in the segment above; and

WHEREAS, the estimated City cost for colored concrete upgrades, sidewalk installation and flashing speed sign installation is $14,200; and

WHEREAS, the estimated cost for sanitary sewer is $404,000 and $50,500 for water main; and

BE IT RESOLVED by the Common Council of the City of Stoughton that the State/Municipal Financial Agreement For A State –Let Highway Project (USH 51 – Spring Road to Fifth Street), is hereby approved, Mayor Swadley is authorized and directed to execute the Agreement on behalf of the City, and the City Finance Director is authorized to pay the Wisconsin Department of Transportation pursuant to such Agreement.

Council Action: ☐ **Adopted** ☐ **Failed** **Vote** _____

Mayoral Action: ☐ **Accept** ☐ **Veto**

_____

Tim Swadley, Mayor Date

Council Action: _____ ☐ **Override** **Vote** _____

S:\MPS-Shared\Resolutions\R-- 2020 Resolution approving REVISED agreement with DOT - Roundabouts Project.docx

CITY OF STOUGHTON
DEPARTMENT OF
PLANNING & DEVELOPMENT
207 S. Forrest Street, Stoughton, WI. 53589

(608) 873-6619 www.ci.stoughton.wi.us

RODNEY J. SCHEEL
DIRECTOR

Date: February 7, 2022

To: Finance Committee

From: Rodney J. Scheel
Director of Planning & Development

Subject: State/Municipal Financial Agreement (SMFA) – USH 51 Majors Project Spring Road to Fifth Street

The DOT is preparing plans for the 2025 reconstruction of USH 51 from Spring Road to Fifth Street. Portions of the project are allocated to the City as outlined in the SFMA. The current design includes estimates for decorative lighting to be extended from 5th Street to the railroad tracks and standard DOT lighting on the north side east of the railroad tracks. Here are the current DOT assumptions for lighting.

Lighting Assumptions (Spring Rd to RR Tracks)
- Standard Lighting Units: 50%/50% cost split ($90,000 for both parties)
- Lighting on north side of the road only
- 150' spacing
- assumed 30 poles for estimate (includes extra poles because of intersections and driveways, so spacing may need to be reduced)
-Type 5 (30') Poles, LED B, 15' arms

Lighting Assumptions (RR Tracks to 5th Street) – the city to fund upgrades to a standard lighting system
- Standard Lighting Units: 50%/50% cost split ($26,000 for both parties)
- Lighting on north side of the road only
- 150' spacing
- assumed 7 poles for estimate (includes extra poles because of intersections and driveways, so spacing may need to be reduced)
- Type 5 (30') Poles, LED B, 15' arms
- Decorative Lighting Units (City funded upgrade = $89,000*)
- Lighting on both sides of the street, matching existing system west of Fifth Street.
- 60’ spacing
- Assumed 22 poles

*Includes cost of pole upgrades, larger quantity of poles due to spacing difference, and larger quantity of wiring.

The City may decide to upgrade lighting to the east of the railroad tracks. For example, the City may want to use the DOT standard lighting but have the poles painted. Alternatively, the City could decide to design a different lighting system with different poles and luminaires. There are many options but all upgrades would be 100% City costs.

The agreement also includes sidewalk infill (between Chalet Drive and Ashberry Lane) at 20% and coloring of concrete at medians at 100%.

A resolution and Agreement is included for your consideration

If you have any questions, please contact me.

S:\Planning\RJS\Committees\Public Works 2-7-2022 - DOT SFMA - 5th to Spring.docx

STATE/MUNICIPAL FINANCIAL AGREEMENT FOR A STATE- LET HIGHWAY PROJECT	Date: February 1, 2022 I.D.: 5845-16-00/ 02/ 22/ 72/ 79 Road Name: USH 51 Title: Stoughton - Madison Limits: Spring Rd to Fifth St County: Dane Roadway Length: 1.36 miles

The signatory **City of Stoughton**, hereinafter called the Municipality, through its undersigned duly authorized officers or officials, hereby requests the State of Wisconsin Department of Transportation, hereinafter called the State, to initiate and affect the highway or street improvement hereinafter described.

The authority for the Municipality to enter into this agreement with the State is provided by Section 86.25(1), (2), and (3) of the Statutes.

NEEDS AND ESTIMATE SUMMARY:

Existing Facility - Describe and give reason for request: US 51 is a principal arterial west of County N and a minor arterial east of County N. The existing roadway from Spring Road to 5th Street is an urban section with parking. The existing pavement is deteriorated with extensive cracking.

Proposed Improvement - Nature of work: Full reconstruction. Reconstruct roadway with 2-12 foot lanes and bike lanes on both sides of the roadway. Increase the terrace width and replace sidewalk. Where sidewalk does not exist, it will be added.

Describe non-participating work included in the project and other work necessary to finish the project completely which will be undertaken independently by the municipality: Replacement of water main and sanitary sewer, including design, construction costs, mobilization, oversight, and acceptance of the work. Backfill necessary for the replacement of the Municipality-owned utilities. The city is responsible for 20% of the cost of new sidewalk. The city is responsible for 50% of the cost of standard lighting and any decorative lighting cost greater than the cost of a standard lighting system as well as the construction inspection and acceptance of the lighting system. Replacement of flashing "Your Speed" sign in a concrete base. Colored concrete costs.

The projects are currently scheduled for 2025 construction.

TABLE 1: SUMMARY OF COSTS

Phase	Total Est. Cost	Federal/State Funds	%	Municipal Funds	%
Preliminary Engineering:					
Plan Development 5845-16-02	$ 3,000,000	$ 3,000,000	100%	$ -	
Real Estate Acquisition:					
Acquisition 5845-16-22	$ 800,000	$ 800,000	100%	$ -	
[1]Construction:					
Roadway	$ 9,900,000	$ 9,900,000	100%	$ -	
New Sidewalk	$ 26,000	$ 20,800	80%	$ 5,200	20%
Decorative Lighting	$ 321,000	$ 116,000	MAX	$ 205,000	BAL
Municipal Items		$ -		$ -	
Colored Concrete	$ 7,000			$ 7,000	100%
Flashing Speed Sign	$ 2,000			$ 2,000	100%
subtotal 5845-16-72:	$ 10,256,000	$ 10,036,800		$ 219,200	
[1]Non-Participating:					
Sanitary Sewer	$ 404,000	$ -		$ 404,000	100%
Water Main	$ 50,500	$ -		$ 50,500	100%
subtotal 5845-16-79:	$ 454,500			$ 454,500	
Total Cost Distribution	**$ 14,510,500**	**$ 13,836,800**		**$ 673,700**	

1. Estimates include construction engineering.

This request shall constitute agreement between the Municipality and the State; is subject to the terms and conditions that follow (pages 3 – 4); is made by the undersigned under proper authority to make such request for the designated Municipality, upon signature by the State, upon fully executed signature of applicable State Municipal Maintenance Agreement and delivery to the Municipality. The initiation and accomplishment of the improvement will be subject to the applicable federal and state regulations. No term or provision of neither the State/Municipal Financial Agreement nor any of its attachments may be changed, waived or terminated orally but only by an instrument in writing executed by both parties to the State/Municipal Financial Agreement.

Signed for and in behalf of the **City of Stoughton** (please sign in blue ink)

Name (print) Title

Signature Date

Signed for and in behalf of the **State** (please sign in blue ink)

Name **Steve Flottmeyer** Title **WisDOT Southwest Region Planning Chief**

Signature Date

TERMS AND CONDITIONS:

1. The Municipality shall pay to the State all costs incurred by the State in connection with the improvement which exceeds federal/state financing commitments or are ineligible for federal/state financing. Local participation shall be limited to the items and percentages set forth in the Summary of Costs table, which shows Municipal funding participation. In order to guarantee the Municipality's foregoing agreements to pay the State, the Municipality, through its above duly authorized officers or officials, agrees and authorizes the State to set off and withhold the required reimbursement amount as determined by the State from General Transportation Aids or any moneys otherwise due and payable by the State to the Municipality.

2. Funding of each project phase is subject to inclusion in an approved program and per the State's Facility Development Manual (FDM) standards. Federal aid and/or state transportation fund financing will be limited to participation in the costs of the following items as specified in the Summary of Costs:

   (a) Design engineering and state review services.

   (b) Real Estate necessitated for the improvement.

   (c) Compensable utility adjustment and railroad force work necessitated for the project.

   (d) The grading, base, pavement, curb and gutter, and structure costs to State standards.

   (e) Storm sewer mains, culverts, laterals, manholes, inlets, catch basins, and connections for surface water drainage of the improvement; including replacement and/or adjustments of existing storm sewer manhole covers and inlet grates as needed.

   (f) Construction engineering incidental to inspection and supervision of actual construction work, except for inspection, staking, and testing of sanitary sewer and water main.

   (g) Signing and pavement marking necessitated for the safe and efficient flow of traffic, including detour routes.

   (h) Replacement of existing sidewalks necessitated by construction and to bring into compliance with ADA standards to the greatest extent possible.

   (i) Replacement of existing driveways, in kind, necessitated by the project.

   (j) New installations or alteration resulting from roadway construction of standard State street lighting and traffic signals or devices. Alteration may include salvaging and replacement of existing components.

3. Work necessary to complete the improvement to be financed entirely by the Municipality or other utility or facility owner includes the following items:

   (a) New installations of or alteration of sanitary sewers and connections, water, gas, electric, telephone, telegraph, fire or police alarm facilities, parking meters, and similar utilities.

   (b) New installation or alteration of signs not necessary for the safe and efficient flow of traffic.

   (c) Roadway and bridge width in excess of standards.

   (d) Construction inspection, staking, and material testing and acceptance for construction of sanitary sewer and water main.

   (e) Provide complete plans, specifications, and estimates for sanitary sewer and water main work. The Municipality assumes full responsibility for the design, oversight of the installation, inspection, testing, and operation of the sanitary sewer and water system. This relieves the State and all of its employees from the liability for all suits, actions, or claims resulting from the sanitary sewer and water system construction.

(f) Coordinate, clean up, and fund any hazardous materials encountered for municipal utility construction. All hazardous material cleanup work shall be performed in accordance to state and federal regulations.

4. As the work progresses, the Municipality will be billed for work completed which is not chargeable to federal/state funds. Upon completion of the project, a final audit will be made to determine the final division of costs.

5. If the Municipality should withdraw the project, it shall reimburse the State for any costs incurred by the State in behalf of the project.

6. The work will be administered by the State and may include items not eligible for federal/state participation.

7. The Municipality shall, in cooperation with the State, assist with public relations for the project and announcements to the press and such outlets as would generally alert the affected property owners and the community of the nature, extent, and timing of the project and arrangements for handling traffic within and around the project.

8. Basis for local participation:

(a) Roadway Construction (5845-16-72):

Roadway: Construction costs necessitated by the roadway improvement are 100% eligible for Federal/ State funding. As items are identified during the design phase that require cost participation or are ineligible for Federal/ State funding, this agreement will be amended to reflect those costs.

New Sidewalk: Replacement of existing standard sidewalk necessitated by the roadway improvement is 100% eligible for Federal/ State funding. New standard sidewalk is 80% eligible for Federal/ State funding. The Municipality will be responsible for 20% of the new sidewalk costs. (See Exhibit A.)

Decorative Lighting: New continuous street lighting designed to accepted WisDOT standards and installed at time of construction is 50% eligible for Federal/State funding. The Municipality may request decorative lighting in place of standard lighting; however, the State will only participate in 50% of the standard lighting cost. Standard lighting cost of $116,000 used from the 30% estimate includes standard cost. The standard lighting cost also includes construction delivery cost of 14%. All future maintenance and operation costs of the street lighting are the responsibility of the Municipality.

Municipal Items: The Municipality will be 100% responsible for the construction costs of colored concrete. The Municipality will be 100% responsible for the costs for replacement of the flashing "Your Speed" sign in a concrete base.

(b) Municipality-owned Utilities (5845-16-79):

The construction estimates were provided by the Municipality and are preliminary for program scheduling only. The Municipality is responsible for 100% of the costs for improvements to the sanitary sewer, water main, and any adjustments to the valves or covers located within the roadway. The Municipality is responsible for all construction costs associated with the utility project, including mobilization. The Municipality is responsible for 100% of the costs for backfill necessary for the replacement or addition of the Municipality-owned utilities. The Municipality is responsible for the removal and replacement of sidewalk necessary for the replacement of the Municipality-owned utilities. These costs are not eligible for Federal/ State funding.

Comments and Clarification: This agreement is an active agreement that may need to be amended as the project is designed. It is understood that these amendments may be needed as some issues have not been fully evaluated or resolved. The purpose of this agreement is to specify the local and state involvement in funding the project. A signed agreement is required before the State will prepare or participate in the preparation of detailed designs, acquire right-of-way, or participate in construction of a project that merits local involvement.

PROJECT ID: 5845-16-72
WITH:

COUNTY: DANE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS =

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STOUGHTON - MADISON

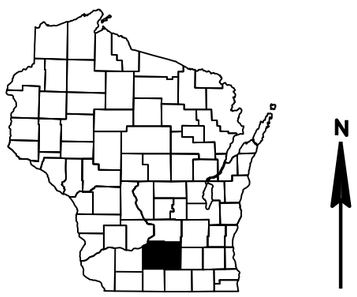
SPRING RD TO FIFTH ST

USH 51
DANE COUNTY

STATE PROJECT NUMBER
5845-16-72

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5845-16-72		

30% Preliminary Plans
December 1, 2021



N

DESIGN DESIGNATION

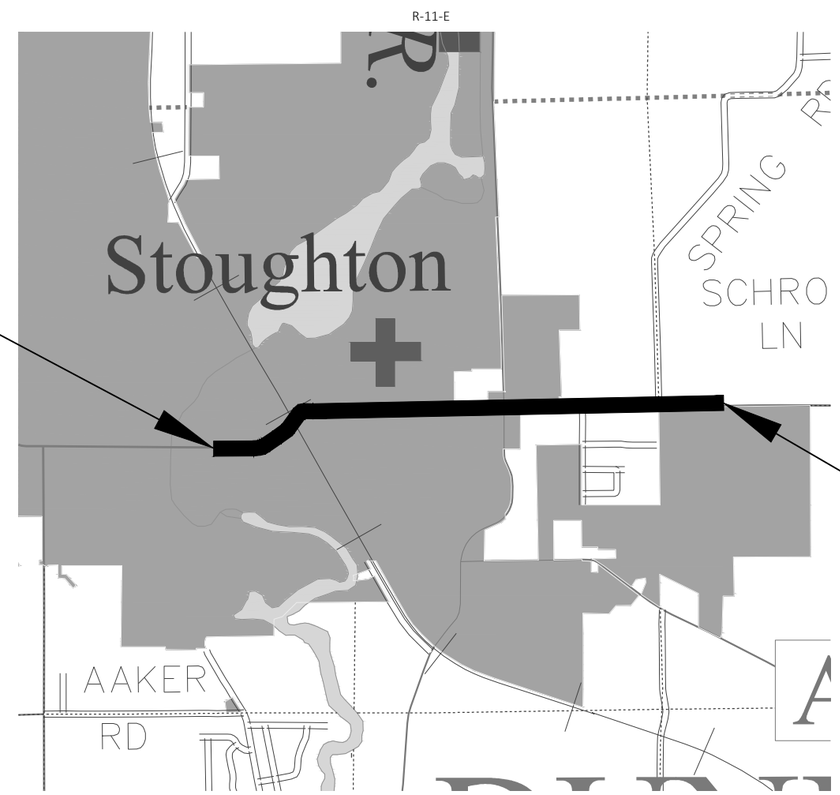
A.A.D.T.	2025	=	16380
A.A.D.T.	2045	=	18360
D.H.V.		=	1242
D.D.		=	59/41
T.		=	5.4
DESIGN SPEED		=	30 - 60 MPH
ESALS		=	

CONVENTIONAL SYMBOLS

PLAN
- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE
- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES
- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE



LAYOUT

SCALE 0 — 0.5 MI

TOTAL NET LENGTH OF CENTERLINE = 1.457

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 18.

ACCEPTED FOR

CITY OF STOUGHTON

Date _____ (Signature and Title of Official)

ORIGINAL PLANS PREPARED BY

JT ENGINEERING, INC
Consultant Services

DATE: _____ (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

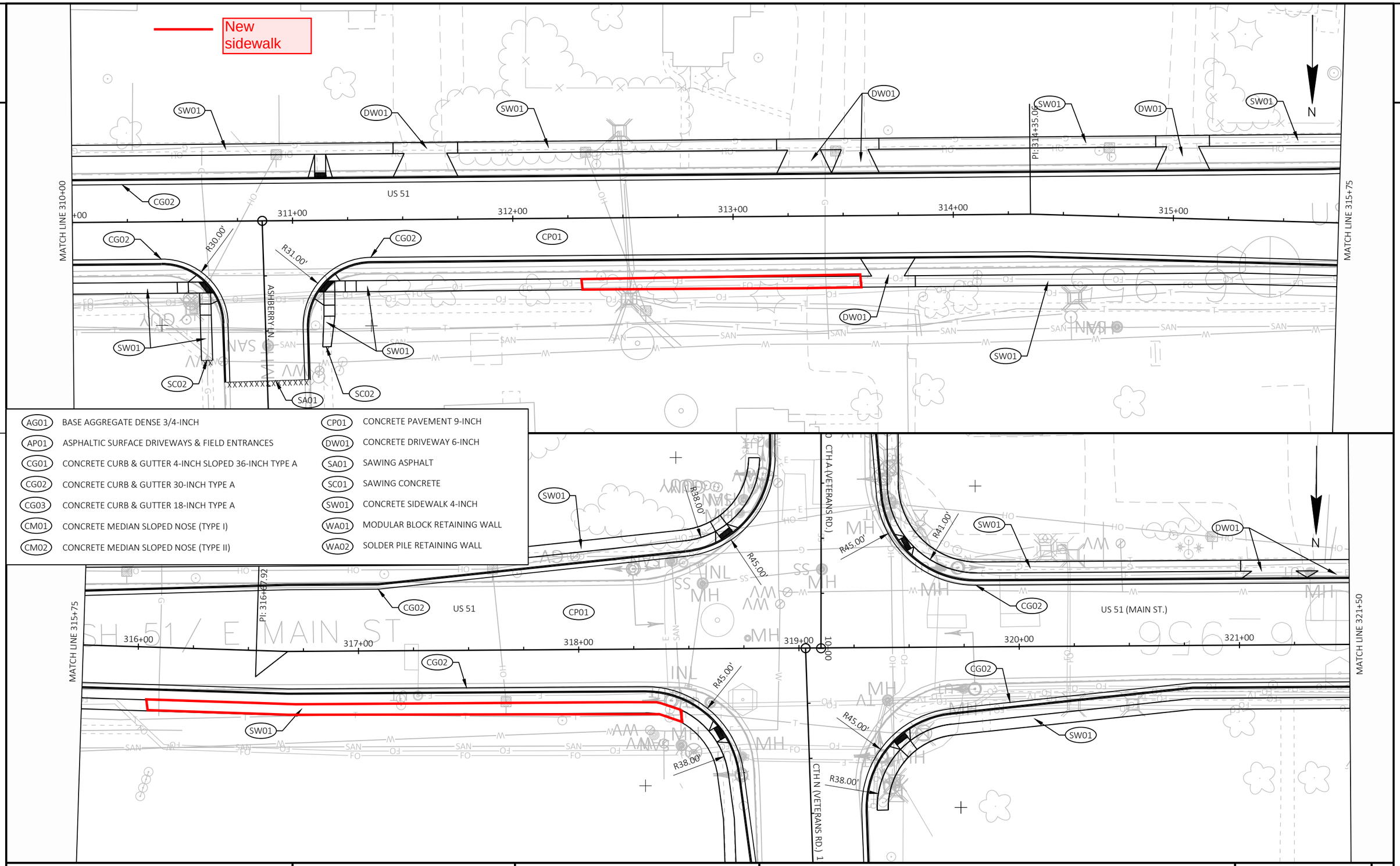
PREPARED BY

Surveyor	JT ENGINEERING, INC
Designer	BRAD GROH, P.E.
Project Manager	KEVIN DRUNASKY, P.E.
Regional Examiner	SW REGION
Regional Supervisor	JENNIFER KOBRYN, P.E.

APPROVED FOR THE DEPARTMENT

DATE: _____ (Signature)

E



AG01	BASE AGGREGATE DENSE 3/4-INCH
AP01	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES
CG01	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG02	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG03	CONCRETE CURB & GUTTER 18-INCH TYPE A
CM01	CONCRETE MEDIAN SLOPED NOSE (TYPE I)
CM02	CONCRETE MEDIAN SLOPED NOSE (TYPE II)
CP01	CONCRETE PAVEMENT 9-INCH
DW01	CONCRETE DRIVEWAY 6-INCH
SA01	SAWING ASPHALT
SC01	SAWING CONCRETE
SW01	CONCRETE SIDEWALK 4-INCH
WA01	MODULAR BLOCK RETAINING WALL
WA02	SOLDER PILE RETAINING WALL

PROJECT NO: 5845-16-72	HWY: USH 51	COUNTY: DANE	PLAN DETAILS	SHEET	E

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PLOT BY : MARK MISUN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

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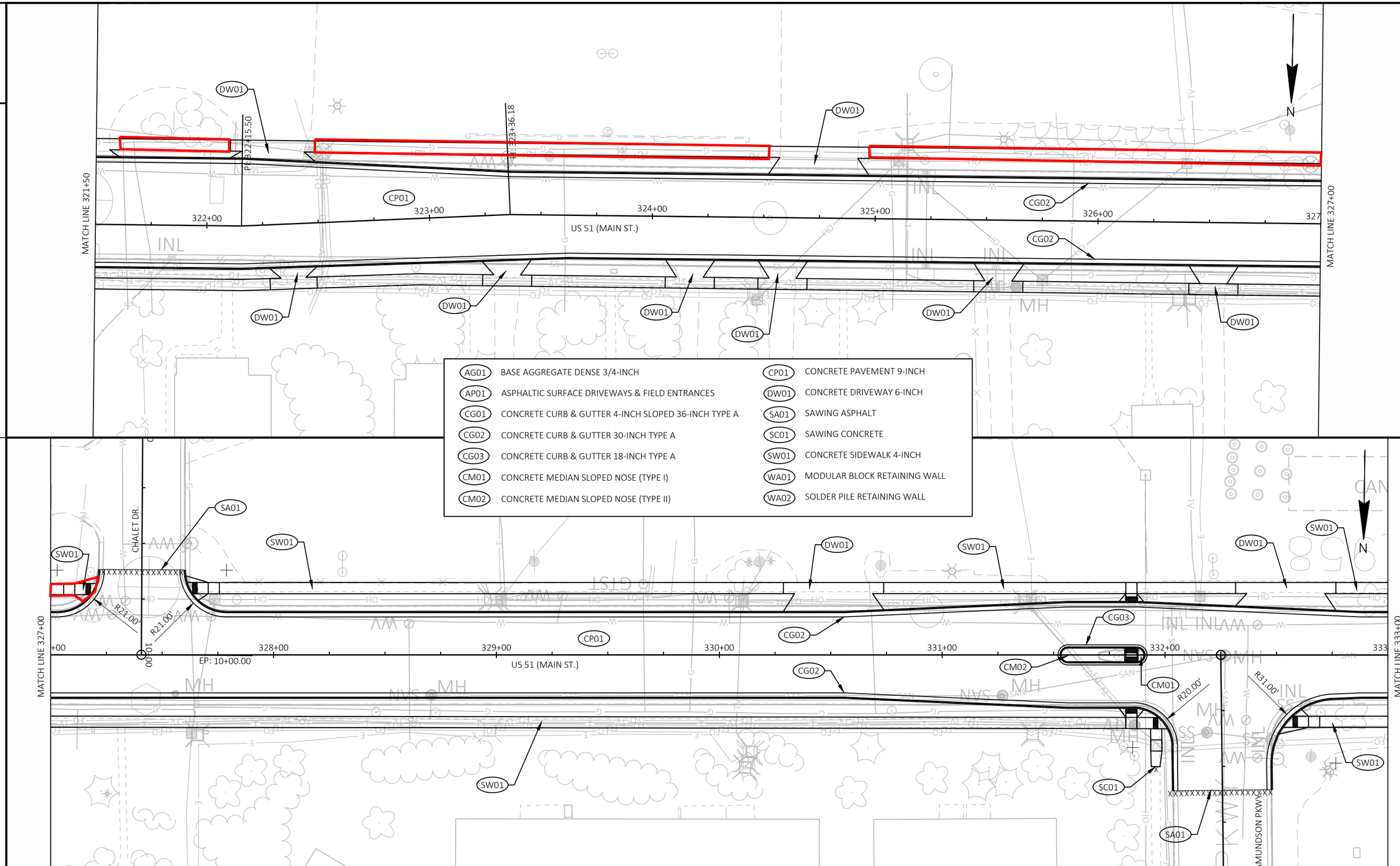

AG01	BASE AGGREGATE DENSE 3/4-INCH
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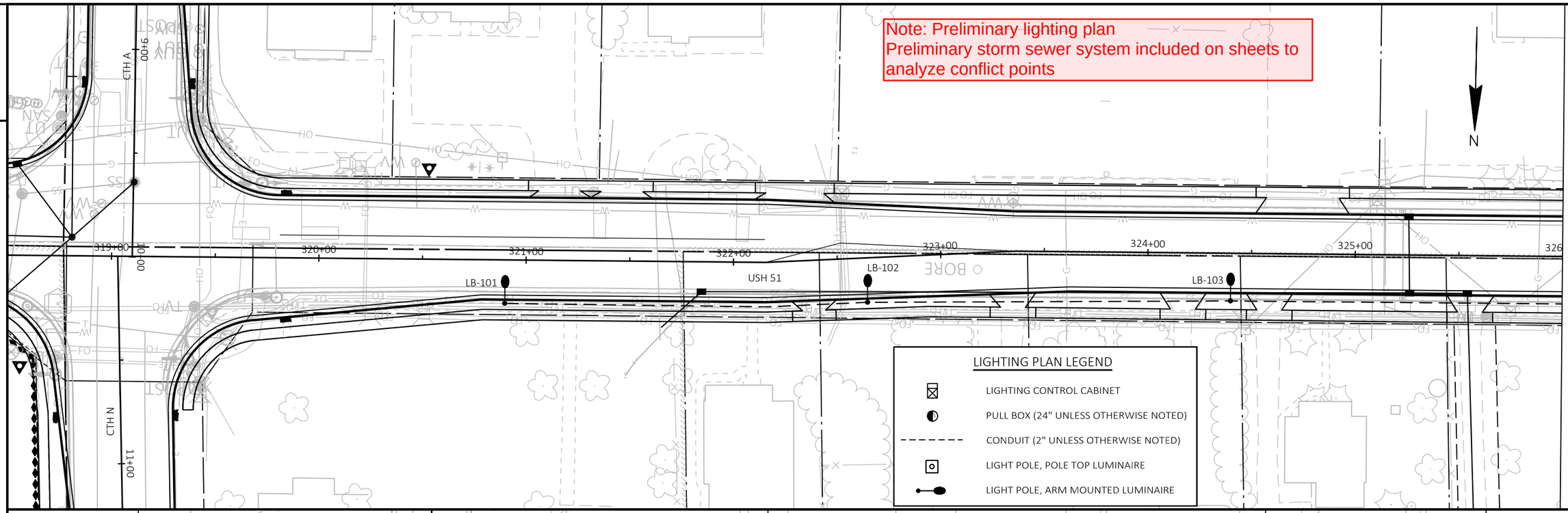
CM02	CONCRETE MEDIAN SLOPED NOSE (TYPE II)
CP01	CONCRETE PAVEMENT 9-INCH
DW01	CONCRETE DRIVEWAY 6-INCH
SA01	SAWING ASPHALT
SC01	SAWING CONCRETE
SW01	CONCRETE SIDEWALK 4-INCH
WA01	MODULAR BLOCK RETAINING WALL
WA02	SOLDER PILE RETAINING WALL

PROJECT NO: 5845-16-72	HWY: USH 51	COUNTY: DANE	PLAN DETAILS	SHEET	E

2

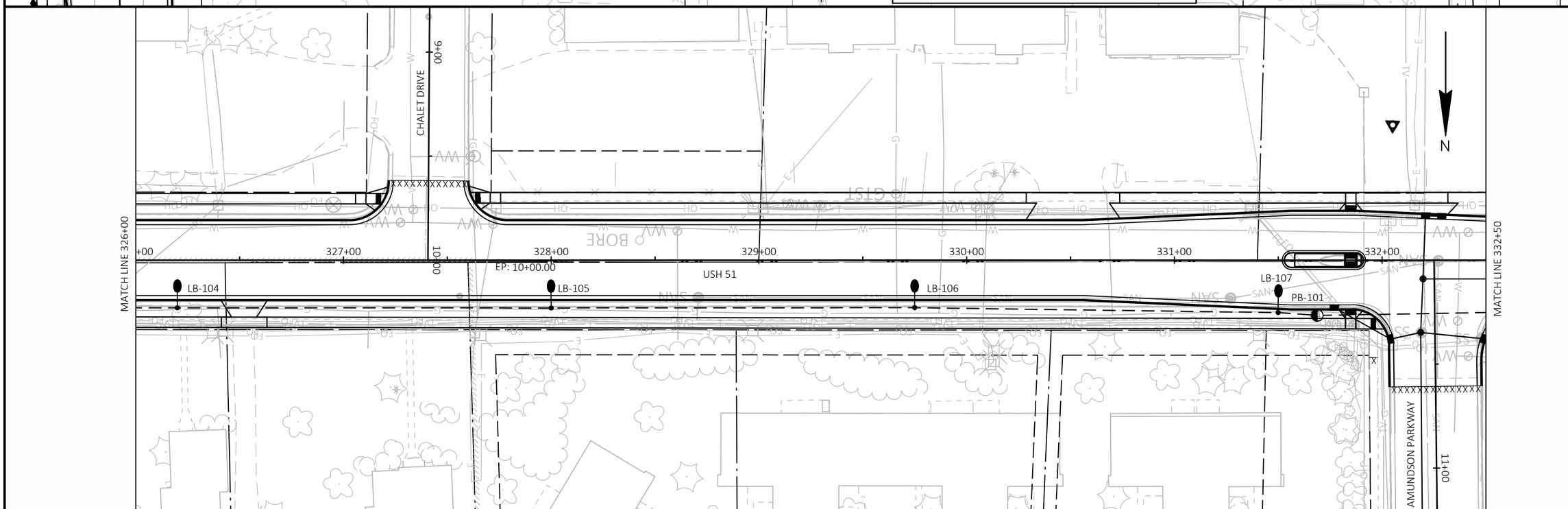
Note: Preliminary lighting plan
Preliminary storm sewer system included on sheets to analyze conflict points



LIGHTING PLAN LEGEND

- LIGHTING CONTROL CABINET
- PULL BOX (24" UNLESS OTHERWISE NOTED)
- CONDUIT (2" UNLESS OTHERWISE NOTED)
- LIGHT POLE, POLE TOP LUMINAIRE
- LIGHT POLE, ARM MOUNTED LUMINAIRE

2



PROJECT NO: 5845-16-72	HWY: USH 51	COUNTY: DANE	LIGHTING PLAN	SHEET	E

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WISDOT/CADDS SHEET 44

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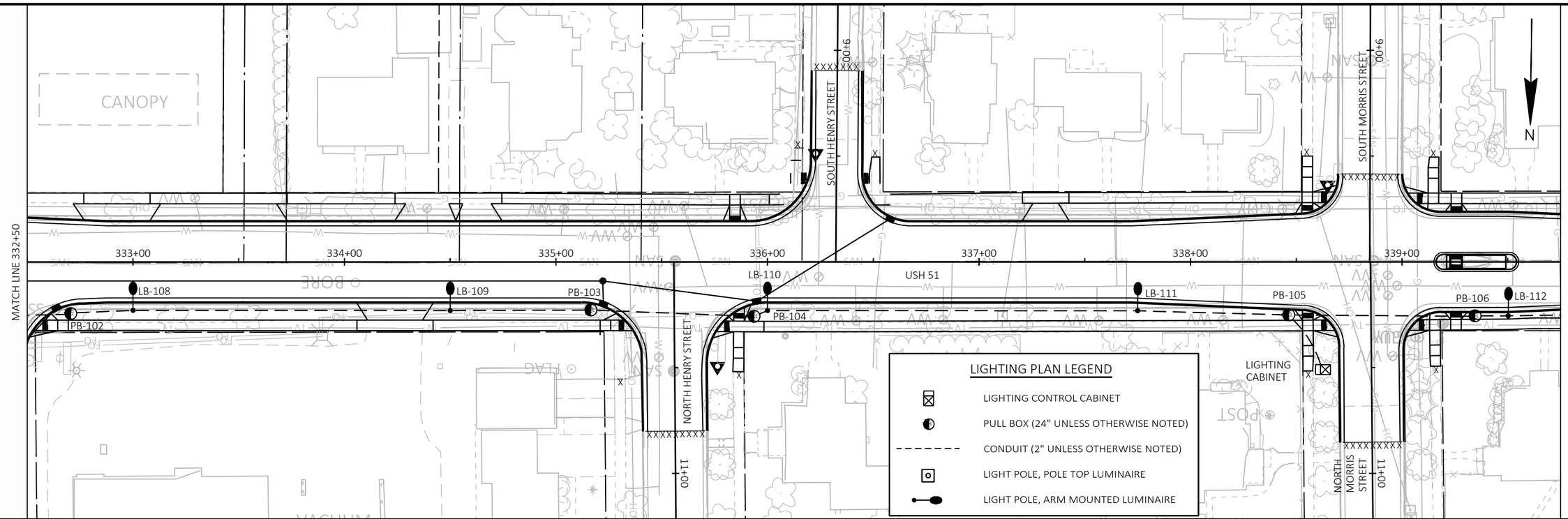

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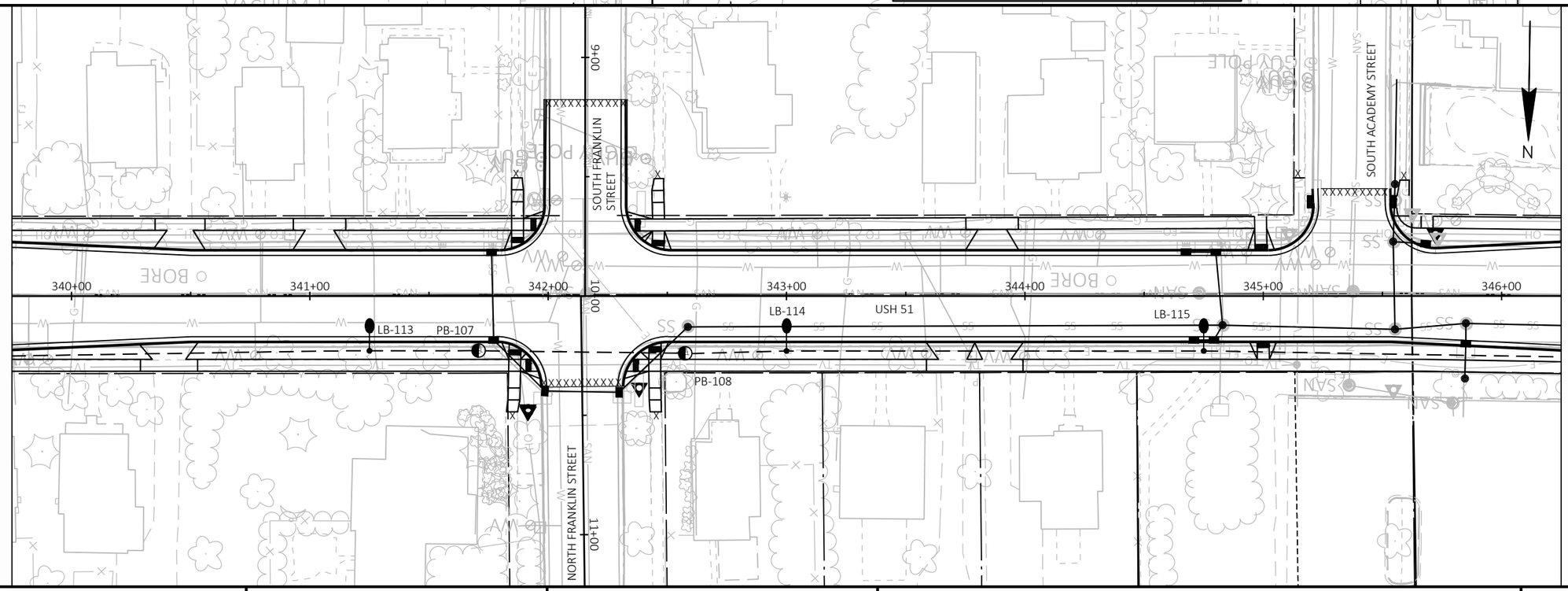

PROJECT NO: 5845-16-72	HWY: USH 51	COUNTY: DANE	LIGHTING PLAN	SHEET	E

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WISDOT/CADDS SHEET 44

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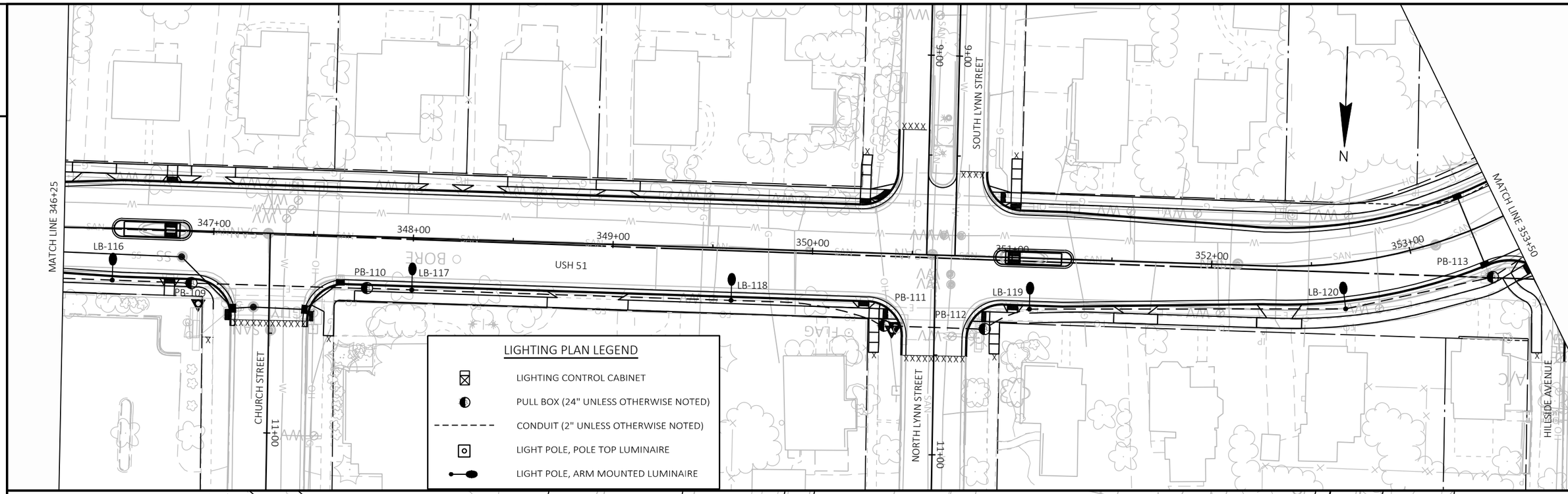

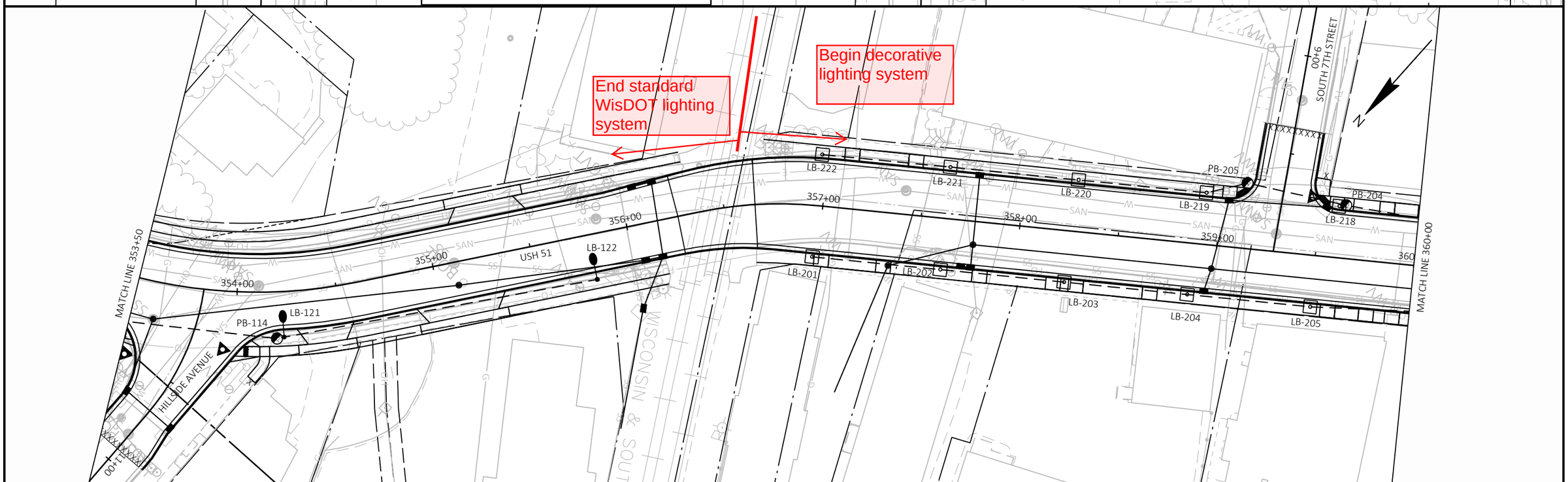

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PROJECT NO: 5845-16-72	HWY: USH 51	COUNTY: DANE	LIGHTING PLAN	SHEET	E

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PRELIMINARY

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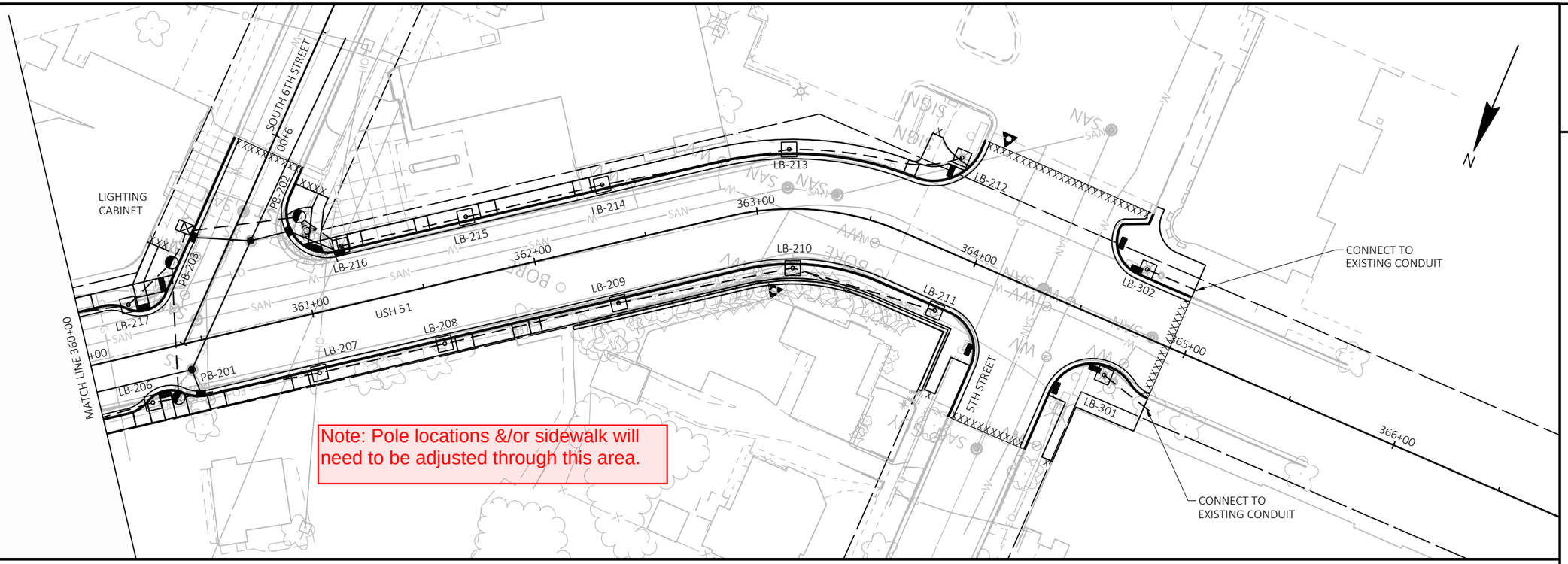

Note: Pole locations &/or sidewalk will need to be adjusted through this area.

LIGHTING PLAN LEGEND

- LIGHTING CONTROL CABINET
- PULL BOX (24" UNLESS OTHERWISE NOTED)
- CONDUIT (2" UNLESS OTHERWISE NOTED)
- LIGHT POLE, POLE TOP LUMINAIRE
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PROJECT NO: 5845-16-72	HWY: USH 51	COUNTY: DANE	LIGHTING PLAN	SHEET	E

PRELIMINARY