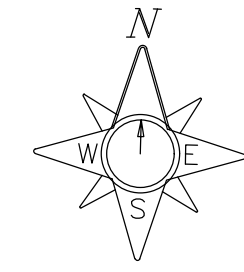
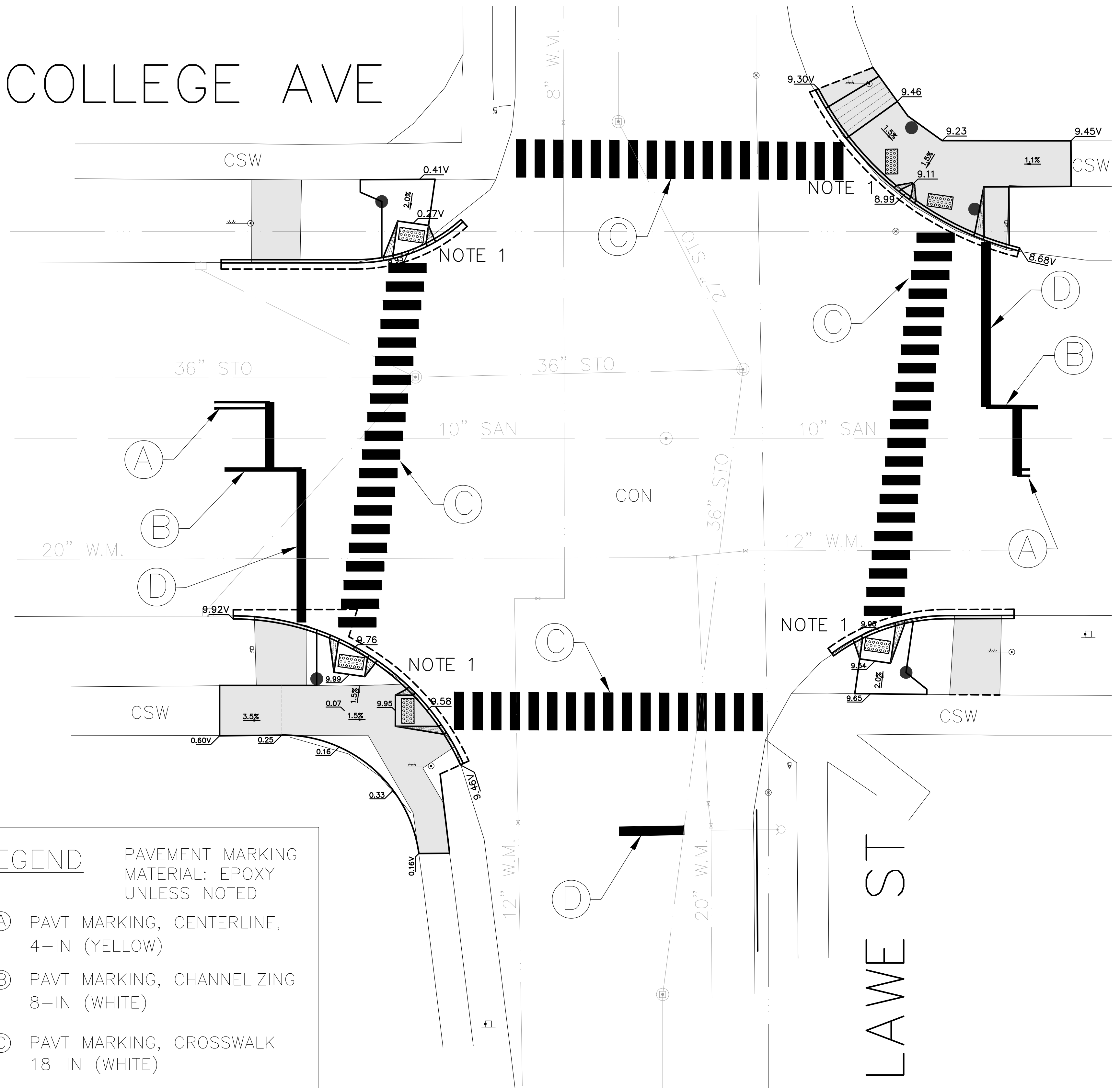


BEFORE CONSTRUCTION THE CONTRACTOR SHALL HAVE THE UTILITIES AND LATERALS LOCATED BY THE UTILITY COMPANIES.



# COLLEGE AVE



**NOTES:**

1. SAWCUT AS MARKED IN THE FIELD AND DRILL IN TIE BARS 2' C-C.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT OF THE PROPOSED PAVEMENT MARKINGS AS SHOWN ON THE PLANS. THE PROPOSED EPOXY PAVEMENT MARKINGS SHALL BE INSTALLED AND PAID FOR AS DETAILED IN SECTION 10 OF THE CITY'S STANDARD SPECIFICATIONS.

LEGEND	
PAVEMENT MARKING MATERIAL: EPOXY UNLESS NOTED	
(A)	PAVT MARKING, CENTERLINE, 4-IN (YELLOW)
(B)	PAVT MARKING, CHANNELIZING 8-IN (WHITE)
(C)	PAVT MARKING, CROSSWALK 18-IN (WHITE)
(D)	PAVT MARKING, STOP BAR 18-IN (WHITE)

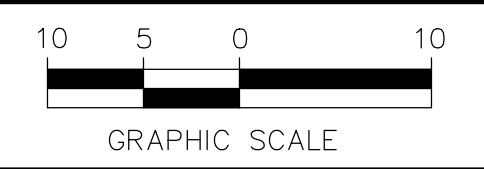
**ESTIMATE OF QUANTITIES**

10 S.Y.	- F&I 8" CON PAVEMENT
170 L.F.	- F&I 30" CON CURB & GUTTER
945 S.F.	- F&I 4" CON SIDEWALK
250 S.F.	- F&I 7" CON HC RAMP
48 S.F.	- F&I TRUNCATED DOME
57 S.Y.	- CON PAVT REMOVAL
540 S.F.	- ASPH/CON HC RAMP REMOVAL
770 S.F.	- ASPH/CON SIDEWALK REMOVAL
170 L.F.	- FULL DEPTH SAWCUT
85 EA.	- F&I DRILL-IN-TIE BARS
115 S.Y.	- TERRACE RESTORATION
115 S.Y.	- F&I SEED, FERTILIZER
115 S.Y.	- F&I CLASS 1, TYPE A E-MAT
2 EA.	- F&I D.O.T. "D" INLET PROTECTION
30 L.F.	- PAVT MARKING, EPOXY, 4"
30 L.F.	- PAVT MARKING, EPOXY, 8"
530 L.F.	- PAVT MARKING, EPOXY, 18"
330 L.F.	- PVMT MARK REMOVAL

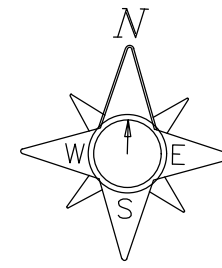
CITY OF APPLETON, WIS.  
ENGINEERING DIVISION  
**PAVEMENT  
PVMNT MARKING**  
IN  
**COLLEGE AVE**  
AT LAWE ST

DWN: JUB CKD:  
DATE: 01/21/20 APP'D:

DRG. NO. 1/4 SEC. R52 PAGE NO.



BEFORE CONSTRUCTION THE CONTRACTOR SHALL HAVE THE UTILITIES AND LATERALS LOCATED BY THE UTILITY COMPANIES.



**LEGEND**

- TRAFFIC SIGNAL OR LIGHTING CONTROL CABINET
- (X)[X]** TOTAL NUMBER OF CONDUITS IN SAME TRENCH
- [X]** = NUMBER OF 1 1/2-INCH SCH 80 RIGID NONMETALLIC CONDUITS
- (X)** = NUMBER OF 2-INCH SCH 80 RIGID NONMETALLIC CONDUITS
- 12 x 24 or 24 x 42 - INCH PULL BOX (AS NOTED)
- CONCRETE BASE, TYPE AS NOTED
- CONDUIT INTERCEPT AS NOTED
- COMMUNICATIONS VAULT
- STUB & CAP CONDUIT FOR FUTURE CONNECTION
- SB X = SIGNAL OR STREET LIGHT BASE NUMBER
- PB X = PULL BOX NUMBER
- CV X = COMMUNICATION VAULT NUMBER
- INT X = EXISTING CONDUIT INTERCEPT NUMBER
- STUB X = STUB & CAP CONDUIT NUMBER
- ASD X = APPLETON SCHOOL DISTRICT FIBER MANHOLE
- = LOOP DETECTOR CONDUIT AND NUMBER
- = TRAIL LIGHT BASE AND LIGHTING UNIT
- = TRAFFIC SIGNAL OR STREET LIGHT BASE AND LIGHTING UNIT
- = DECORATIVE CONCRETE STREET LIGHT BASE AND LIGHTING UNIT
- = DECORATIVE CONCRETE PEDESTRIAN LIGHT BASE AND LIGHTING UNIT

(POLES, ARMS, FIXTURES BY CITY OF APPLETON. SEE PLAN FOR CORRECT ORIENTATION)

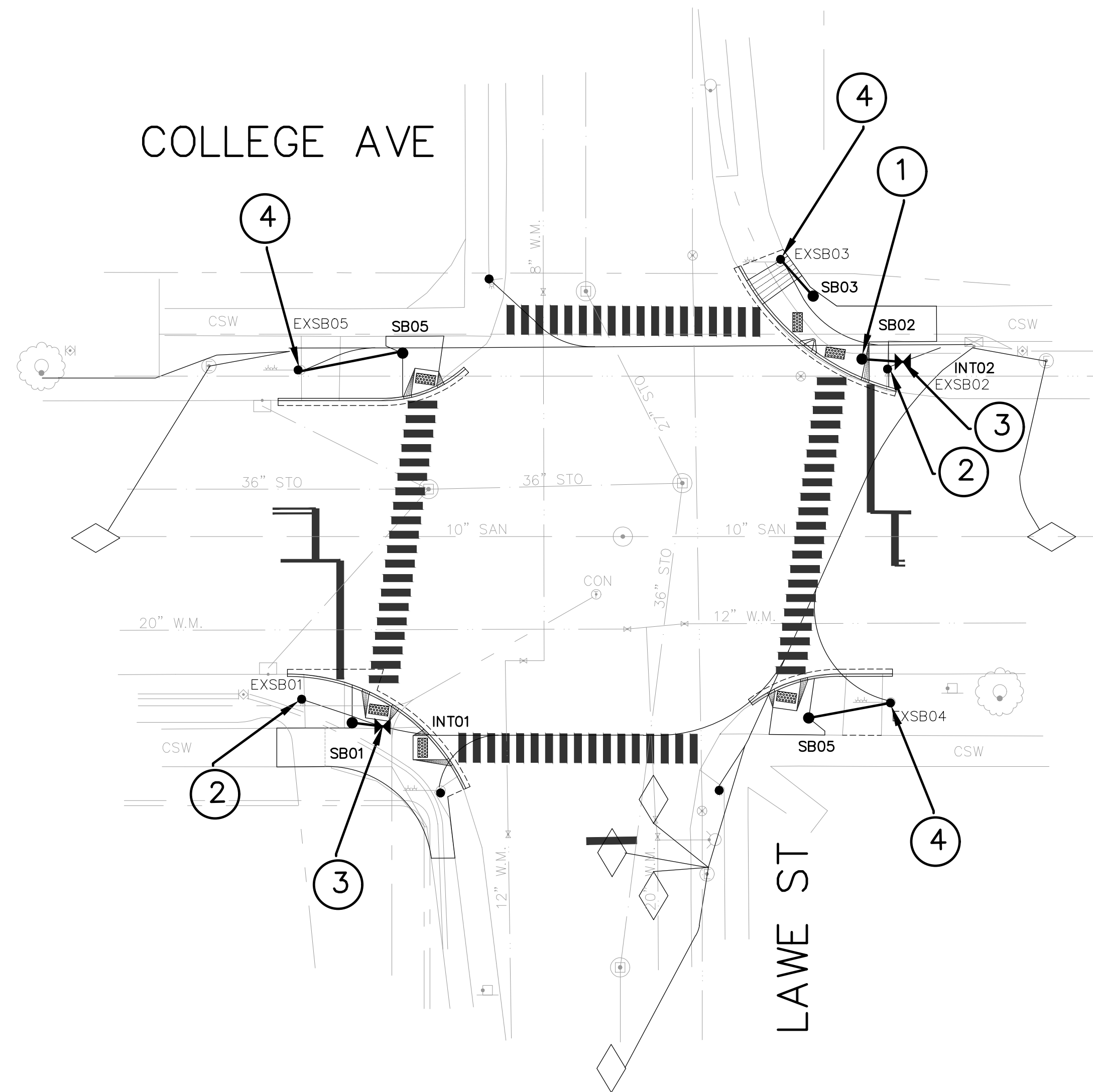
CONDUIT ASSIGNMENT							
	FROM	TO	DISTANCE LF	NUMBER OF CONDUITS	1 INCH LF	2 INCH LF	3 INCH LF
TRAFFIC SIGNAL CONDUIT	COLLEGE & LAWE INTERSECTION						
	INT01	SB01	8	1		8	
	INT02	SB02	10	1		10	
	EXSB03	SB03	13	1	13		
	EXSB04	SB04	20	1	20		
	EXSB05	SB04	25	1	25		

CONDUIT ASSIGNMENTS IN TABLES ABOVE MAY SHARE THE SAME RUN OF CONDUIT. SEE PLAN NOTES FOR ADDITIONAL INFORMATION ON NUMBER OF CONDUITS IN EACH RUN OF CONDUIT.

ALL CONDUIT RUNS SHALL BE AS STRAIGHT AS POSSIBLE WITH GRADUAL SWEEPS TO FACILITATE PULLING OF ELECTRICAL CABLE. ANY TIGHT TURNS SHALL BE A MINIMUM OF 36-INCH RADIUS, UNLESS NOTES OTHERWISE IN THE PLAN.

CONCRETE BASE ASSIGNMENT	
BASE NO.	BASE TYPE
SB1	2
SB2	2
SB3	CITY, TYPE 1 (12 3/4-INCH BOLT CIRCLE)
SB4	CITY, TYPE 1 (12 3/4-INCH BOLT CIRCLE)
SB5	CITY, TYPE 1 (12 3/4-INCH BOLT CIRCLE)

REMOVALS	
ITEM NO.	UNIT
EXSB01	1
EXSB02	1



**CONSTRUCTION NOTES:**

- 1 CONCRETE BASE TO BE HAND DUG AND/OR HYDRO EXCAVATED DUE TO PROXIMITY AND PLACEMENT NEXT TO NEARBY UNDERGROUND UTILITIES (TIGHT TO NEARBY 3-INCH CONDUIT). EXACT LOCATION OF BASE TO BE DETERMINED IN FIELD ONCE DETAILS OF UNDERGROUND UTILITIES IS VERIFIED. REVIEW FINAL PLACEMENT WITH ELECTRICAL INSPECTOR. WORK INCIDENTAL TO BASE INSTALL.
- 2 EXISTING CONCRETE SIGNAL BASES (EXSB01 & EXSB02), SIGNAL ASSEMBLIES AND CONDUIT CONNECTIONS SHALL NOT BE REMOVED UNTIL NEW BASES (SB01 & SB02) HAVE BEEN INSTALLED AND CURED TO KEEP THE EXISTING TRAFFIC DISPLAYS FUNCTIONAL. CITY WILL TRANSFER EXISTING ASSEMBLIES TO NEW BASES ON SAME DAY CONTRACTOR PERFORMS CONDUIT CONNECTIONS TO NEW BASES (SB01 AND SB02). ONCE CITY HAS COMPLETED THE TRANSFER, BASE REMOVAL CAN BE COMPLETED. COORDINATE WORK AND SCHEDULE WITH THE CITY. WORK INCIDENTAL TO CONCRETE BASE REMOVALS.
- 3 INTERCEPT EXISTING 2-INCH PVC CONDUIT. TRAFFIC SIGNAL ASSEMBLY SERVICED BY THIS CONDUIT SHALL NOT BE INTERCEPTED UNTIL NEW BASES (SB01 AND SB02) HAVE BEEN INSTALLED AND CURED, READY FOR TRANSFER OF ASSEMBLY. CITY WILL TRANSFER EXISTING ASSEMBLIES TO NEW BASES ON SAME DAY CONTRACTOR PERFORMS CONDUIT CONNECTION. COMPLETE THIS WORK ON A WEEKDAY BETWEEN HOURS OF 9:00 AM AND 2:00 PM. COORDINATE WORK AND SCHEDULE WITH CITY. WORK INCIDENTAL TO CONDUIT INSTALL.
- 4 CITY WILL CORE A HOLE ACCEPTING OF 1-INCH CONDUIT INTO EXISTING CONCRETE BASE. INSTALL NEW 1-INCH CONDUIT INTO EXISTING CONCRETE BASE. TAKE CARE TO NOT DAMAGE EXISTING CABLE AND CONNECTIONS AS TRAFFIC SIGNAL ASSEMBLY SHALL REMAIN ACTIVE. WORK INCIDENTAL TO CONDUIT INSTALL.

**GENERAL NOTES:**

- SEVERAL CONCRETE BASES TO BE SET IN CLOSE PROXIMITY TO PRIVATE UTILITIES.
- ALL CONCRETE BASES SHALL BE CONSTRUCTED AFTER NEARBY CURB IS POURED TO ACCURATELY REFERENCE THE FINISH GRADE AND PLACEMENT.
- THE CITY WILL FIELD MARK THE EXACT LOCATION OF ALL ELECTRICAL RELATED ITEMS AT THE TIME OF CONSTRUCTION. ADJUSTMENTS FOR FIELD CONDITIONS MAY BE MADE AT TIME OF INSTALLATION.
- CONTRACTOR TO PROVIDE THE ANCHOR BOLTS FOR ALL POURED CONCRETE BASES IN THIS PROJECT.
- INSTALL AN EQUIPMENT GROUNDING LUG IN EACH METALLIC PULL BOX.
- THE CITY'S TRAFFIC SECTION WILL FURNISH AND INSTALL ALL SIGNAL AND LIGHTING POLES, ARMS, FIXTURES AND ACCESSORIES.
- INSTALLATION OF NEW ELECTRICAL CABLES AND WIRES BY CITY'S TRAFFIC SECTION. CONTRACTOR REQUIRED TO INSTALL PULL ROPE PER CITY SPECIFICATION IN EACH RUN OF CONDUIT. PULL ROPE SHALL BE INSTALLED WITHIN 24 HOURS OF COMPLETION OF ANY RUN OF CONDUIT.
- THE CITY'S TRAFFIC SECTION WILL FURNISH AND INSTALL METER BREAKER PEDESTAL, AND COORDINATE NEW ELECTRICAL SERVICE INSTALLATIONS AND REMOVALS WITH WE ENERGIES.

**ESTIMATE OF QUANTITIES**

- 58 L.F. - CONDUIT NONMETAL SCH80 1-INCH
- 18 L.F. - CONDUIT NONMETAL SCH80 2-INCH
- 3 EA. - CONCRETE BASES, CITY, TYPE 1 (12 3/4-INCH BOLT CIRCLE)
- 2 EA. - CONCRETE BASES, TYPE 2
- 2 EA. - REMOVING CONCRETE BASES

CITY OF APPLETON, WIS.  
ENGINEERING DIVISION

**ELECTRICAL**  
IN  
**COLLEGE AVENUE**

AT LAWE ST

DWN: MH CKD:  
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