

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

OCTOBER 7, 2013

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Michael R. Dailey 10/28/2014
 For City Engineer Date

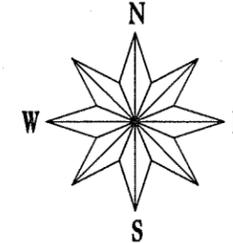
INDEX OF SHEETS

SHEET NO.	TITLE
1	DETAILS
DI-D2	
P1	W. MAIN ST. SIDEWALK PLAN & PROFILE
P2	S. BASSETT ST. SIDEWALK PLAN & PROFILE
E1	ELECTRICAL PLAN

502-504 W. MAIN STREET

CITY PROJECT NO. 53B2392

CITY CONTRACT NO. 2392



SIDEWALK DESIGNED BY:



ELECTRICAL DESIGNED BY:

CONVENTIONAL SIGNS
 FIELD VERIFY ALL UTILITY LOCATIONS

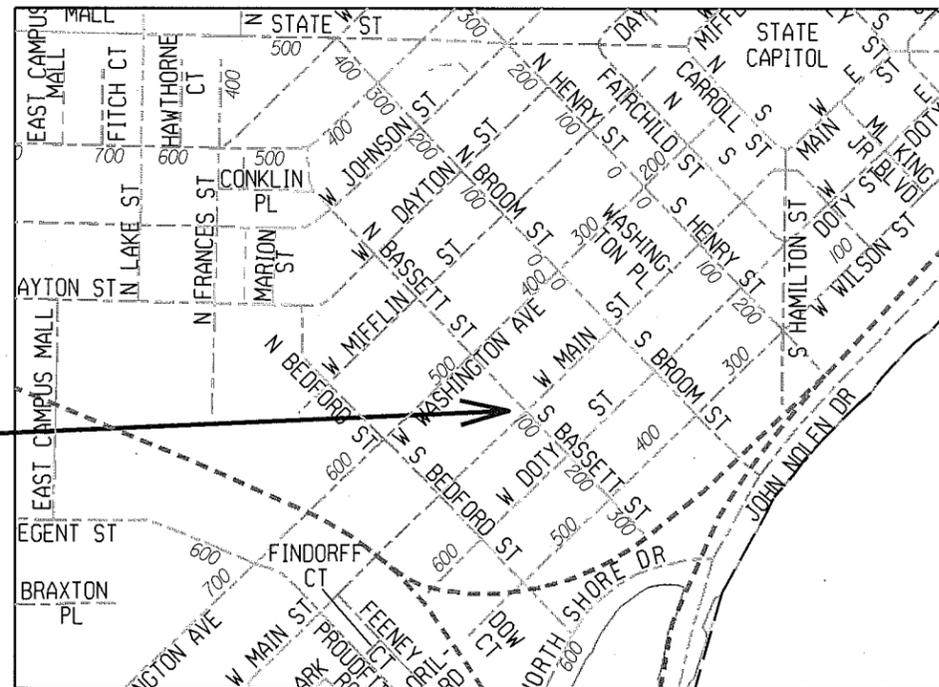
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
OVERHEAD ELECTRIC	— OH —
POWER POLE	⊙
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	

CONSTRUCTION PROJECT LOCATION

NOTES:

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

SIDEWALK RAMPS AND CURB THRU SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 2.00%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

THE LOCATION AND INFORMATION FOR PROPOSED NEW TREES, IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY. THE LOCATIONS, SPECIFICATIONS AND PLANTING METHODS OF ALL PROPOSED NEW OR REPLACEMENT TREES IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE APPROVED BY THE CITY FORESTER PRIOR TO INSTALLATION.

NO TREES IN THE RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE TRIMMED, PRUNED, REMOVED OR ADVERSELY AFFECTED IN ANY WAY UNTIL THE DEVELOPER HAS RECEIVED WRITTEN PERMISSION FROM THE CITY ENGINEER OR CITY FORESTER. SAID WRITTEN PERMISSION SHALL INCLUDE LANGUAGE INDICATING THAT SECTION 10.101 OF THE MADISON GENERAL ORDINANCES AND ADMINISTRATIVE PROCEDURE MEMORANDUM NO. 6-2, REFERING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

THE DEVELOPER/CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW TO CITY TRAFFIC ENGINEERING AT LEAST 10 WORKING DAYS PRIOR TO WORK BEGINNING WITHIN THE RIGHT OF WAY. WORK SHALL NOT PROCEED IN THE RIGHT OF WAY UNTIL THE TRAFFIC CONTROL PLAN HAS BEEN APPROVED. THE TRAFFIC CONTROL PLAN MAY INCLUDE BUT IS NOT LIMITED TO: LANE CLOSURE RESTRICTIONS, PEAK HOUR WORKING RESTRICTIONS, ACCESS REQUIREMENTS, ETC. THE DEVELOPER/CONTRACTOR SHALL BE RESPONSIBLE FOR PHASING WORK AS NECESSARY TO MEET THE REQUIREMENTS OF THE APPROVED TRAFFIC CONTROL PLAN.

THE DEVELOPER/CONTRACTOR SHALL CONTACT CITY FORESTRY (DEAN KAHL 266-4891 OR 266-4816) PRIOR TO EXCAVATING WITHIN 5 FT. OF AN EXISTING TREE SO THAT THEY MAY PROVIDE DIRECTION ON THE WORK. THE DEVELOPER/CONTRACTOR SHALL ALSO CONTACT CITY FORESTRY AT LEAST ONE WEEK PRIOR TO ANY TREE REMOVALS OR PRUNING TO OBTAIN A PERMIT FOR TREE REMOVAL OR PRUNING WITHIN THE RIGHT-OF-WAY.

ALL PAVEMENT IN THE MAIN ST RIGHT-OF-WAY SHALL BE TYPE B PAVEMENT. ALL PAVEMENT IN THE BASSETT ST RIGHT-OF-WAY SHALL BE TYPE C PAVEMENT. PAVEMENT RATING FOR MAIN STREET IS 7, PAVEMENT RATING FOR BASSETT STREET IS 8. SAWCUTS, PATCHING & MILL & OVERLAY LIMITS SHOWN ARE APPROXIMATE. LIMITS SHALL BE AT THE DISCRETION OF THE CONSTRUCTION ENGINEER & IN ACCORDANCE WITH CITY OF MADISON PATCHING CRITERIA.

ALL ISLANDS SHALL HAVE TYPE "H" C & G PER S.D.D. 3.08 AND MOUNTABLE NOSES PER S.D.D. 3.13. ALL OTHER C & G SHALL BE TYPE "A" PER S.D.D. 3.06 UNLESS OTHERWISE NOTED.

ISLAND INTERIORS SHALL BE OF SOD WHERE THE BACK TO BACK OF CURB DIMENSION IS GREATER THAN 6'.

UNDERDRAINS SHALL BE INSTALLED, PER STANDARD DETAIL DRAWING 4.05 FOR 75' ON EACH SIDE OF THE LOW POINT, OR TO THE NEAREST CURB HIGH POINT. ALL UNDERDRAIN SHALL BE WRAPPED.

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADES OF 0.5% TOWARD STORM SEWER INLETS.

PAVEMENT CROSS SLOPES SHALL BE 2%, TERRACES SHALL SLOPE AT A 4% GRADE TOWARD THE GUTTER, SHOULDERS SHALL HAVE A 4% CROSS SLOPE AND CROSS SLOPES FORMING DITCHES SHALL NOT EXCEED 4.00:1 UNLESS OTHERWISE INDICATED.

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.03. AT ALL OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS SHALL NOT EXCEED 5.0 % OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER NOR BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. A 2 FOOT WIDE CONCRETE FLUME SHALL BE INSTALLED BETWEEN THE SIDEWALK AND THE BACK OF CURB AT SIDEWALK LOW POINTS WHICH CANNOT OTHERWISE BE DRAINED DIRECTLY TO THE GUTTER. SIDE SLOPES WITHIN TEN FEET OF A PUBLIC SIDEWALK SHALL NOT EXCEED 4.00:1. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHALL BE FIELD VERIFIED AND SET TO COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS AND THE A.D.A. GUIDELINES.

OBTAIN A PRINT OUT OF THE ALIGNMENT FROM THE CITY ENGINEER PRIOR TO STAKING THIS PROJECT.

CURB STATION AND OFFSETS SHALL BE TO THE FACE OF CURB UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE TOP OF CURB (OR EXTENDED TOP OF CURB FOR DRIVEWAYS OR RAMPS) UNLESS OTHERWISE INDICATED.

POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.

THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.

ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED AND PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.

THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO SDD 3.05.

PLOT SCALE: _____

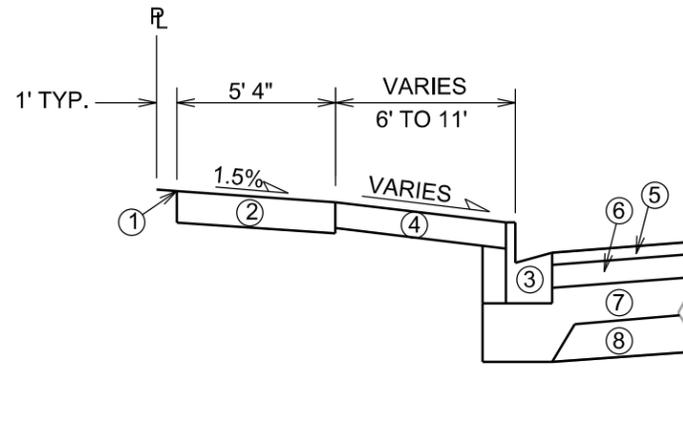
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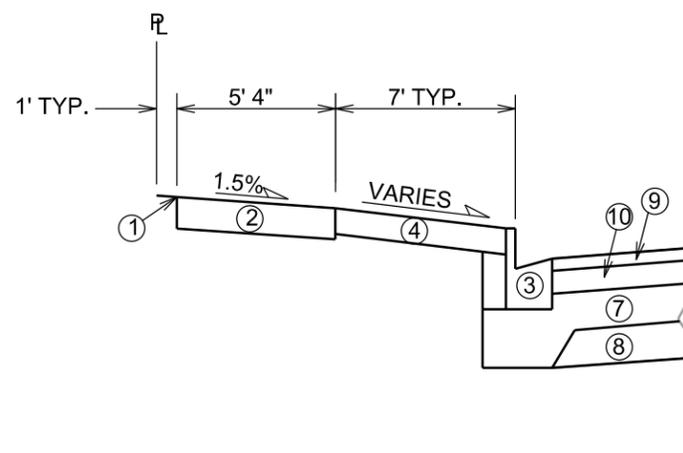
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

- ① REFERENCE LINE AND/OR POINT REFERRED TO ON PROFILE
- ② 5" CONCRETE SIDEWALK
- ③ TYPE 'A' CONCRETE CURB & GUTTER
- ④ 4" TOPSOIL, SEED & MAT
- ⑤ 2" UPPER LAYER BIT PVMT, 12.5 mm, TYPE E-1
- ⑥ 2.25" LOWER LAYER BIT PVMT, 19 mm, TYPE E-1
- ⑦ GRADATION 2 CRUSHED AGG BASE COURSE, 4" TYP.
- ⑧ GRADATION 1 CRUSHED AGG BASE COURSE, 6" TYP
- ⑨ 2" UPPER LAYER BIT PVMT, 12.5 mm, TYPE E-3
- ⑩ 3.25" LOWER LAYER BIT PVMT, 19 mm, TYPE E-3

TYPICAL FINISHED SECTION
W. MAIN STREET
NTS



TYPICAL FINISHED SECTION
S. BASSETT STREET
NTS

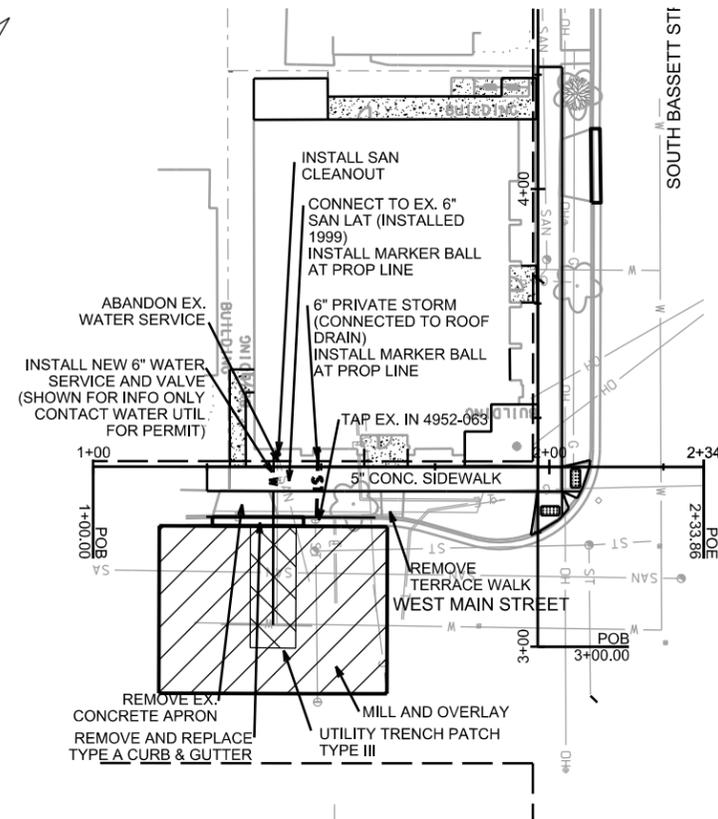
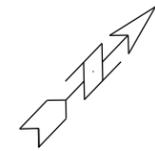


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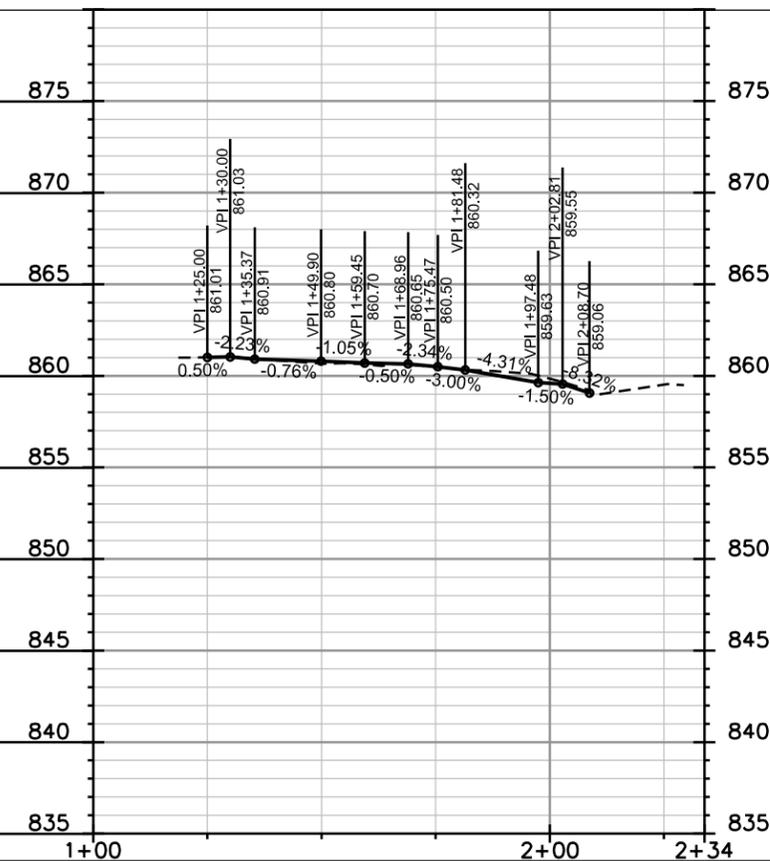
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



1. PERMISSION TO PRUNE, REMOVE OR PLANT TREES IN THE PUBLIC RIGHT-OF-WAY MUST BE OBTAINED FROM THE CITY FORESTER, 608-266-4816.
2. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW TO CITY TRAFFIC ENGINEERING AT LEAST 10 WORKING DAYS PRIOR TO WORK BEGINNING.
3. CONTRACTOR SHALL COORDINATE ANY REQUIRED ULOS AND PRIVATE TELECON, ELEC. OR GAS UTILITY RELOCATION, IF REQUIRED.
4. CONTRACTOR SHALL REPLACE IN KIND ANY PAVEMENT MARKINGS DISTURBED BY THE PROJECT. CONTACT TOM MOHR (267-8725) WITH TRAFFIC ENGINEERING WITH QUESTIONS REGARDING REQUIRED PAVEMENT MARKING.



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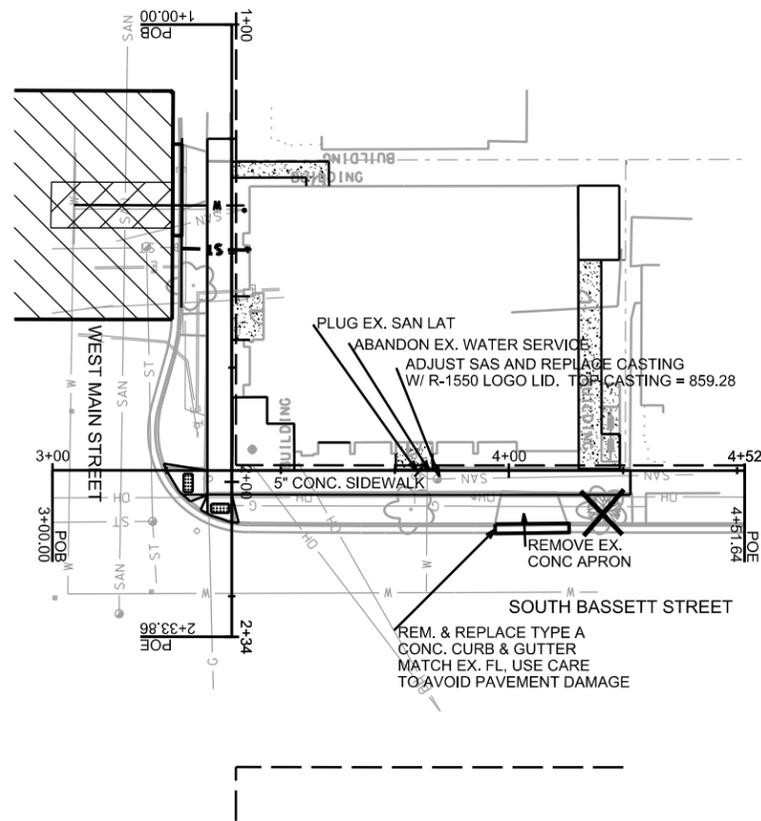
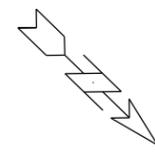
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

S. BASSETT ST. SIDEWALK CITY OF MADISON

1. PERMISSION TO PRUNE, REMOVE OR PLANT TREES IN THE PUBLIC RIGHT-OF-WAY MUST BE OBTAINED FROM THE CITY FORESTER, 608-266-4816.
2. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW TO CITY TRAFFIC ENGINEERING AT LEAST 10 WORKING DAYS PRIOR TO WORK BEGINNING.
3. CONTRACTOR SHALL COORDINATE ANY REQUIRED ULOS AND PRIVATE TELECON, ELEC. OR GAS UTILITY RELOCATION, IF REQUIRED.
4. CONTRACTOR SHALL REPLACE IN KIND ANY PAVEMENT MARKINGS DISTURBED BY THE PROJECT. CONTACT TOM MOHR (267-8725) WITH TRAFFIC ENGINEERING WITH QUESTIONS REGARDING REQUIRED PAVEMENT MARKING.

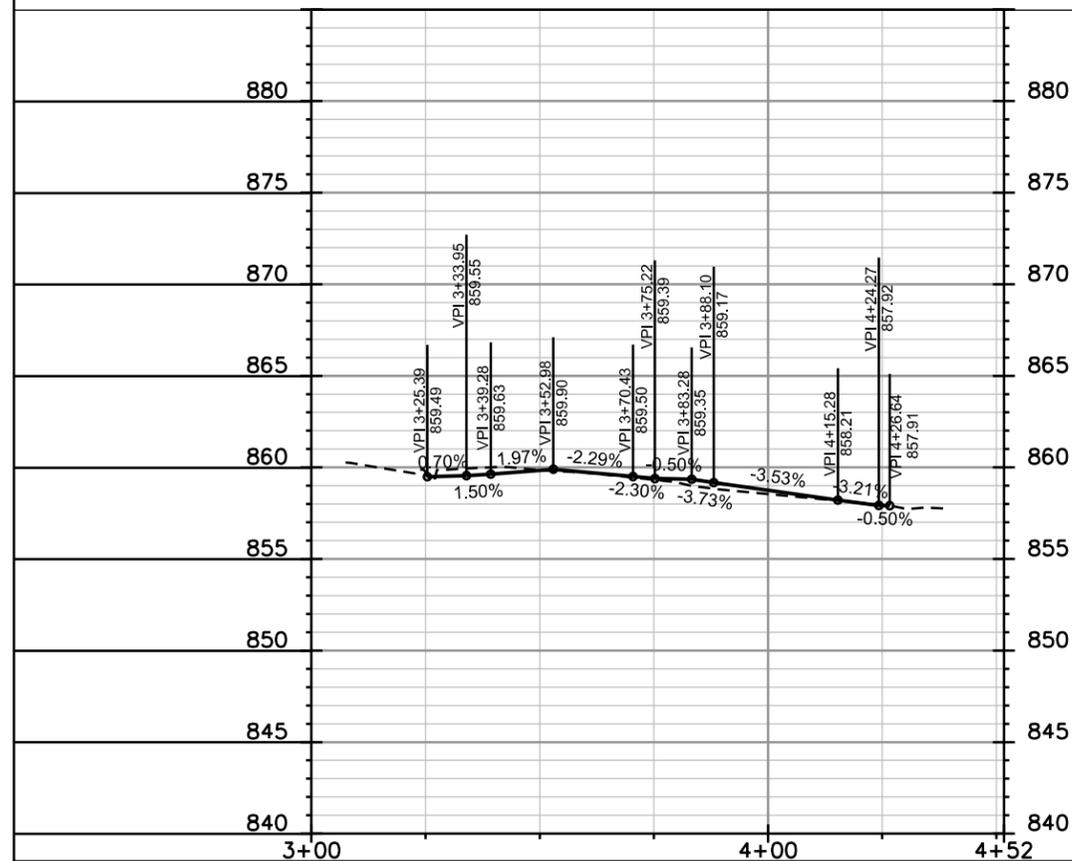


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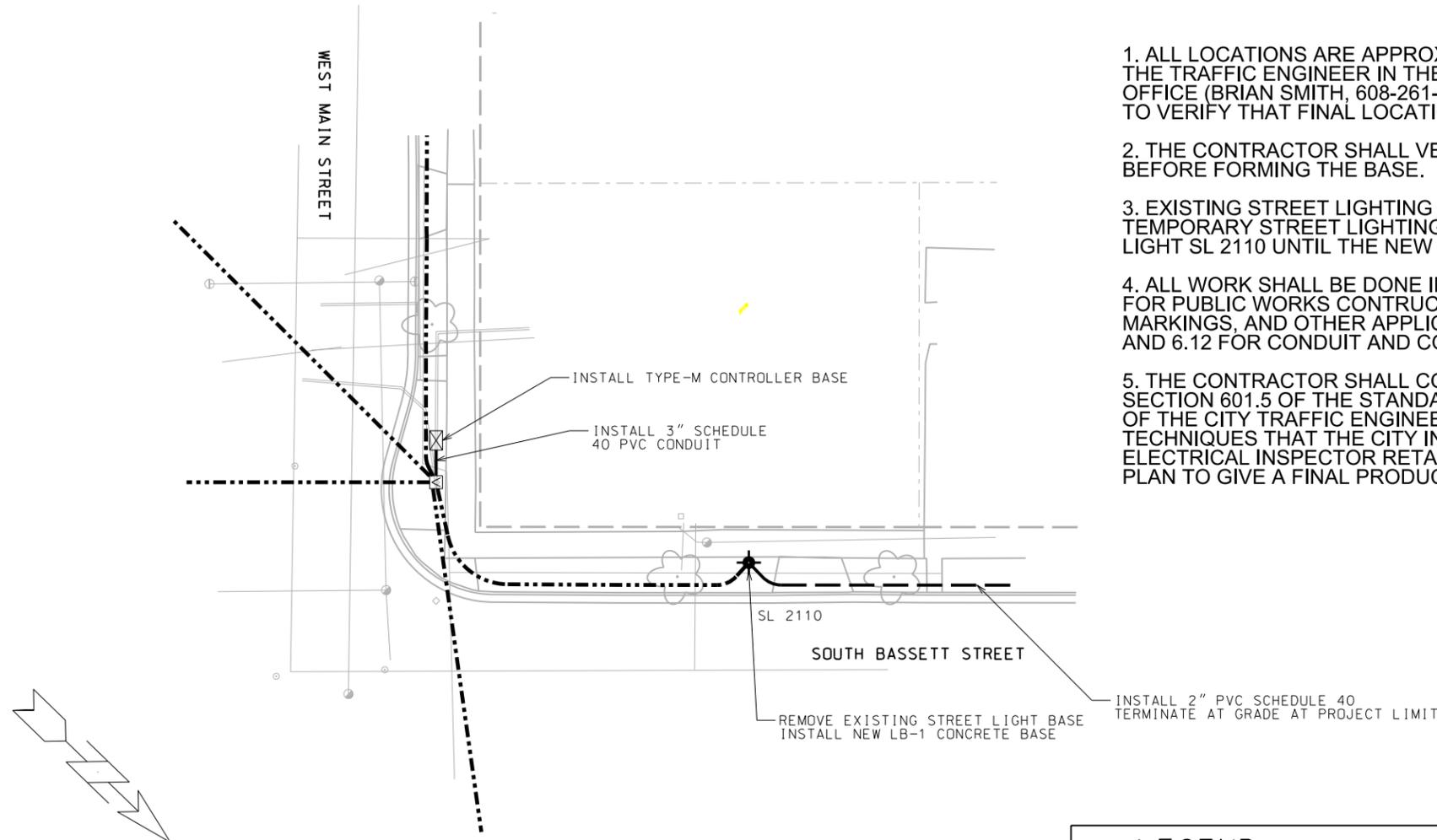
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GENERAL ELECTRICAL NOTES

1. ALL LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS INCLUDING SETBACK, SHALL BE DETERMINED BY THE TRAFFIC ENGINEER IN THE FIELD. THE CONTRACTOR SHALL NOTIFY THE CITY TRAFFIC ENGINEERING OFFICE (BRIAN SMITH, 608-261-9625) AT LEAST 48 HOURS PRIOR TO INSTALLING ANY CONDUIT OR BASES TO VERIFY THAT FINAL LOCATIONS HAVE BEEN MARKED.
2. THE CONTRACTOR SHALL VERIFY THE LB-1 ANCHOR BOLT DIMENSION WITH THE CITY TRAFFIC ENGINEER BEFORE FORMING THE BASE.
3. EXISTING STREET LIGHTING SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE TEMPORARY STREET LIGHTING TO COMPENSATE FOR ANY TEMPORARY REMOVAL OF EXISTING STREET LIGHT SL 2110 UNTIL THE NEW STREET IS INSTALLED IN ITS PLACE.
4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF MADISON "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2014" PART VI, TRAFFIC ENGINEERING ELECTRICAL & PAVEMENT MARKINGS, AND OTHER APPLICABLE SECTIONS. SEE STANDARD DETAIL DRAWINGS: 6.01, 6.02, 6.03, 6.10, AND 6.12 FOR CONDUIT AND CONCRETE BASE DETAILS.
5. THE CONTRACTOR SHALL CONTACT MIKE CHRISTOPH (266-9031) TO ARRANGE FOR INSPECTION PER SECTION 601.5 OF THE STANDARD SPECIFICATIONS. ALL WORK SHALL BE SUBJECT TO THE INSPECTION OF THE CITY TRAFFIC ENGINEERING DIVISION INSPECTOR. ANY CONTRACTOR PROCEDURES OR TECHNIQUES THAT THE CITY INSPECTOR DEEMS INAPPROPRIATE SHALL PROMPTLY CEASE. THE ELECTRICAL INSPECTOR RETAINS THE AUTHORITY TO ORDER ADDITIONAL WORK OR A REVISED WORK PLAN TO GIVE A FINAL PRODUCT MEETING THE CITY'S NEEDS.



LEGEND

- LB-1 CONCRETE BASE TO BE INSTALLED
- ⊗ STREET LIGHT BASE, EXISTING
- ⊠ TYPE-M CONCRETE BASE, TO BE INSTALLED
- ⊡ ELECTRICAL PULL BOX TYPE 5, EXISTING
- · · · · EXISTING STREET LIGHTING OR TRAFFIC SIGNAL CONDUITS
TO BE MAINTAINED DURING CONSTRUCTION
- — — STREET LIGHT CONDUITS TO BE INSTALLED

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