



Francis G. Slay
Mayor

Rodney Crim
Executive Director

Business Assistance Center
Suite 421 City Hall
Tucker & Market Streets
St. Louis, MO 63103
(314) 622-4120
Fax (314) 622-3586

DATE: August 18, 2015

TO WHOM IT MAY CONCERN:

SUBJECT: ADDENDUM #1
Project Name: Lighted Bollards and Sidewalk Improvements
Route: Washington Avenue and Broadway
County: St. Louis City
Letting Date: August 31, 2015

The following have been revised: Project Plan Set

1. Plan sheet E.300: Concrete Embedded Bollard detail: Inner sleeve height from 24" to 20".

All Addendum Number 1 revisions are depicted as:



ACKNOWLEDGEMENT OF ADDENDUM #1

Washington Avenue Streetscape, Phase 3
Federal Project Number STP-5402(709)

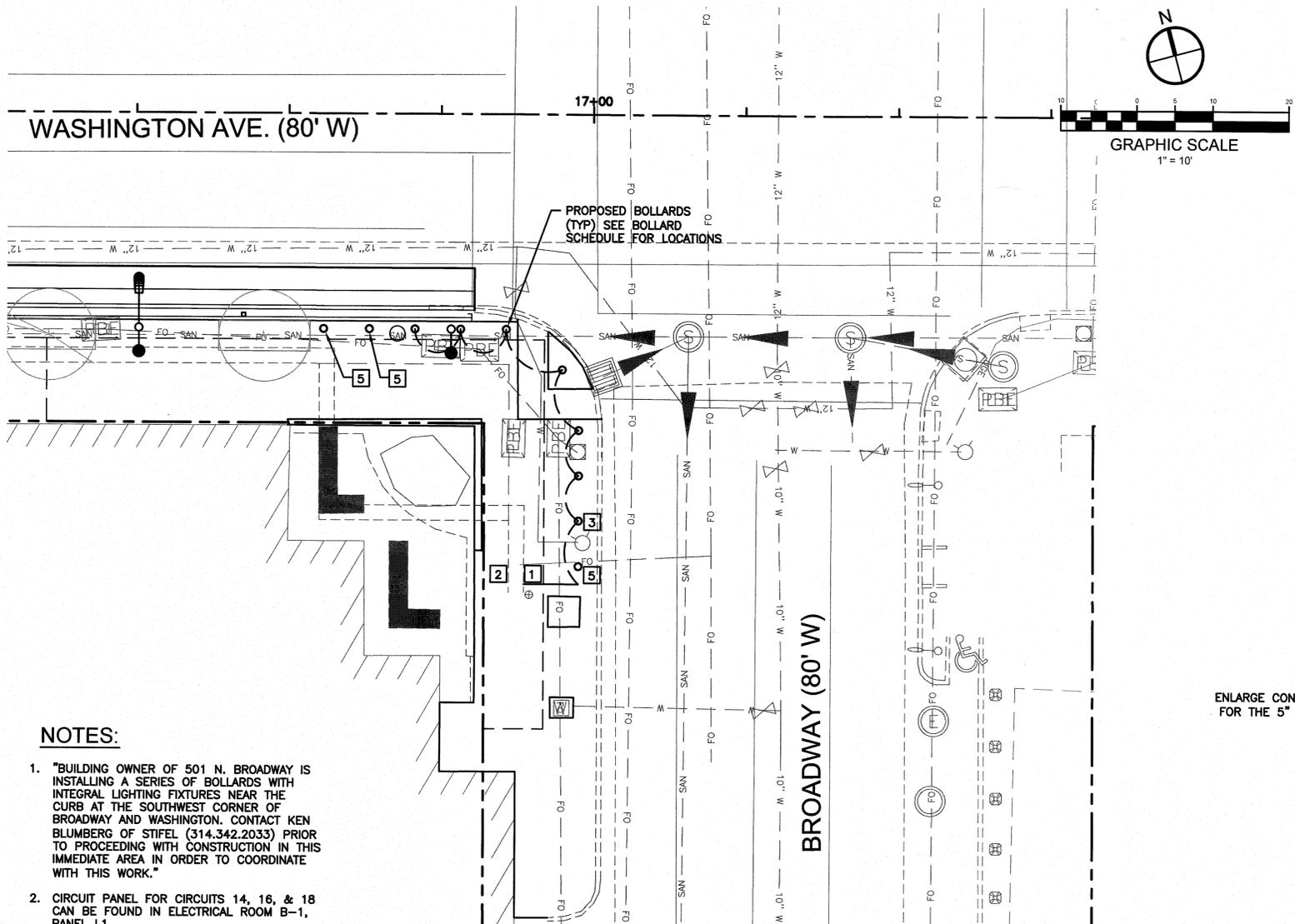
Issued: 8/18/2015

The undersigned Respondent hereby certifies that the changes set forth in this Addendum have been incorporated in their proposal and are a part their bid for the above reference project. All other provisions of the bid documents shall remain in force as written.

Firm _____

Signed _____

Date _____



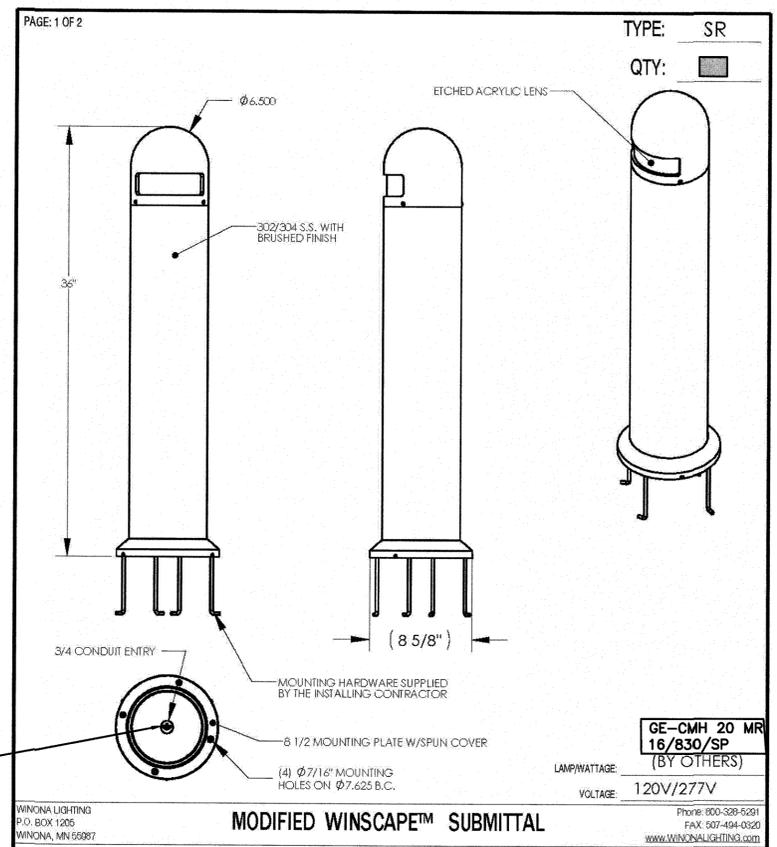
NOTES:

- "BUILDING OWNER OF 501 N. BROADWAY IS INSTALLING A SERIES OF BOLLARDS WITH INTEGRAL LIGHTING FIXTURES NEAR THE CURB AT THE SOUTHWEST CORNER OF BROADWAY AND WASHINGTON. CONTACT KEN BLUMBERG OF STIFEL (314.342.2035) PRIOR TO PROCEEDING WITH CONSTRUCTION IN THIS IMMEDIATE AREA IN ORDER TO COORDINATE WITH THIS WORK."
- CIRCUIT PANEL FOR CIRCUITS 14, 16, & 18 CAN BE FOUND IN ELECTRICAL ROOM B-1, PANEL L1.

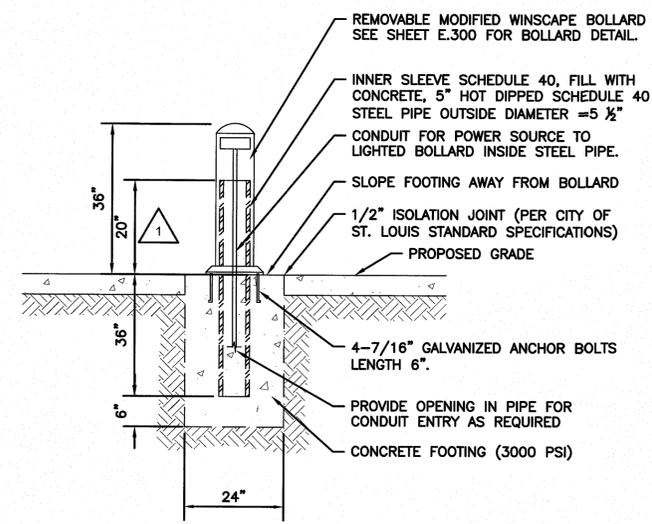
BOLLARD SCHEDULE		
STATION	OFFSET	BOLLARD (EACH)
16+64.61	28.00' RT	1
16+70.61	28.00' RT	1
16+76.61	28.00' RT	1
16+82.61	28.00' RT	1
16+88.21	28.00' RT	1
16+95.99	33.72' RT	1
16+98.19	41.25' RT	1
16+98.19	47.25' RT	1
16+98.22	53+25' RT	1
18+98.23	59.25' RT	1
TOTAL		10

KEYED NOTES:

- CONNECT NEW CONDUIT TO EXISTING 3/4" CONDUIT AT THIS LOCATION
- EXTEND 2-#12 PLUS 1-#12 GROUND FROM EXISTING JUNCTION BOX ON BASEMENT WALL TO BOLLARDS. CONNECT TO EXISTING UNUSED CIRCUIT NUMBER 14.
- INSTALL 1/2" PVC CONDUIT WITH 2-#12 PLUS 1-#12 GROUND BETWEEN BOLLARDS AND CONNECT EACH INTEGRAL 20 WATT BALLAST TO THE CIRCUIT.
- INSTALL OWNER FURNISHED LIGHTING RELAY AT PANEL L1 CONNECTED TO CIRCUIT NUMBER 14. RELAY CONNECTION TO THE BUILDING AUTOMATED SYSTEM BY THE OWNER.
- UNLIGHTED BOLLARD ON 5" STEEL INNER SLEEVE TO MATCH LIGHTED BOLLARD.



BOLLARD DETAILS



1 CONCRETE EMBEDDED BOLLARD
NOT TO SCALE

ABNA

4140 Lindell Boulevard
Saint Louis, MO 63108
Phone: (314) 454-0222
www.abnacorp.com

LIGHTED BOLLARDS & SIDEWALK IMPROVEMENTS



JON HAMIL LUER
PROFESSIONAL ENGINEER
PE-023271
August 19, 2015

THIS SHEET IS NOT VALID UNLESS SIGNED AND SEALED BY AN ENGINEER. THE SEAL(S) AND SIGNATURE(S) APPLY ONLY TO THE SHEET TO WHICH THEY ARE AFFIXED. THIS ENGINEERING DRAWING IS PROVIDED IN CONFIDENCE. NO USE OR DISSEMINATION MAY BE MADE WITHOUT PRIOR WRITTEN CONSENT OF THE ENGINEER.
© COPYRIGHT 2014 ABNA ENGINEERING, INC.

MARK	DATE	DESCRIPTION
Δ	08/19/15	INNER SLEEVE HEIGHT CHANGE FROM 24" TO 20"

ABNA PROJECT NO: 2015-6105
ISSUE DATE: 04 01, 2015
DESIGNED BY: TNS
DRAWN BY: TNS
CHECKED BY: JL

LIGHTED BOLLARD PLAN AND DETAILS

E.300