

**CITY OF ROANOKE**

**ADDENDUM No. 2**

**April 11, 2008**

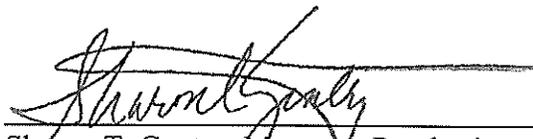
**Salem Avenue / Art Museum Streetscape Project  
Bid No. 08-02-10**

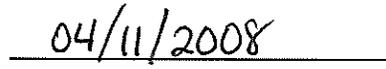
ALL BIDDERS NOTE THE FOLLOWING CHANGES, MODIFICATIONS OR ADDITIONS TO THE PLANS AND SPECIFICATIONS AND SUBMIT QUOTATIONS IN ACCORDANCE THEREWITH:

Addendum No. 2 shall be attached and made a part of the above referenced project dated March 9, 2008. Plans and Specifications for the project are hereby revised as follows:

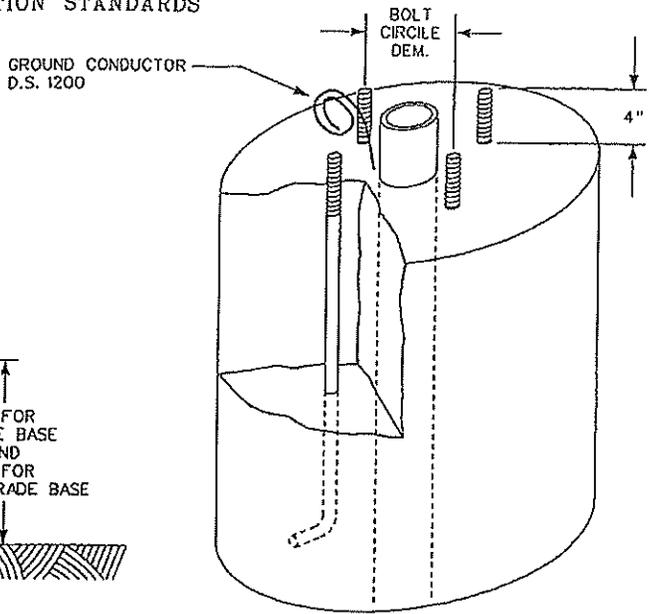
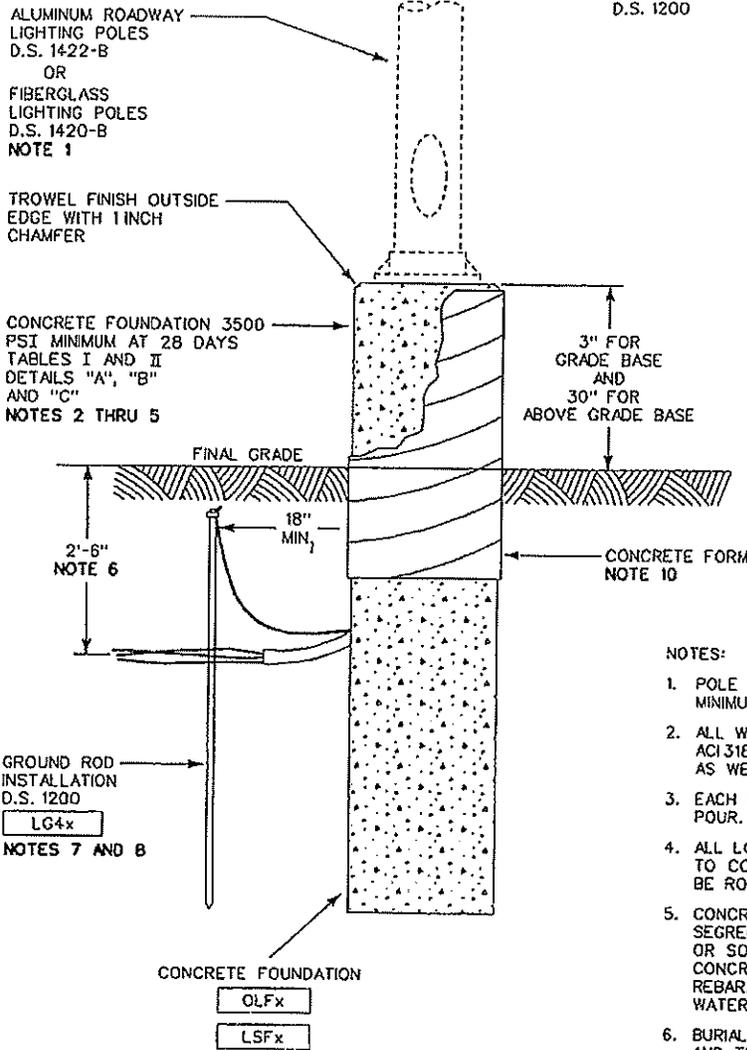
1. Delete statement in the Plans and Specifications that reads 'ADD COLOR PIGMENT ON NEW CONCRETE SIDEWALK TO MATCH COLOR OF EXISTING SIDEWALK IN FRONT OF WACHOVIA BUILDING'.
2. The contractor shall install brick handicap ramp as shown on the attached pictures to this Addendum.
3. The foundation for decorative street lamps and the metal street light are both 'Type C' foundation, 5' deep. See attached drawings.

**END OF ADDENDUM NO. 2**

  
\_\_\_\_\_  
Sharon T. Gentry, Manager, Purchasing

  
\_\_\_\_\_  
Date

AMERICAN ELECTRIC POWER COMPANY  
DISTRIBUTION STANDARDS



DETAIL "A"  
BOLT INSTALLATION  
NOTE 11

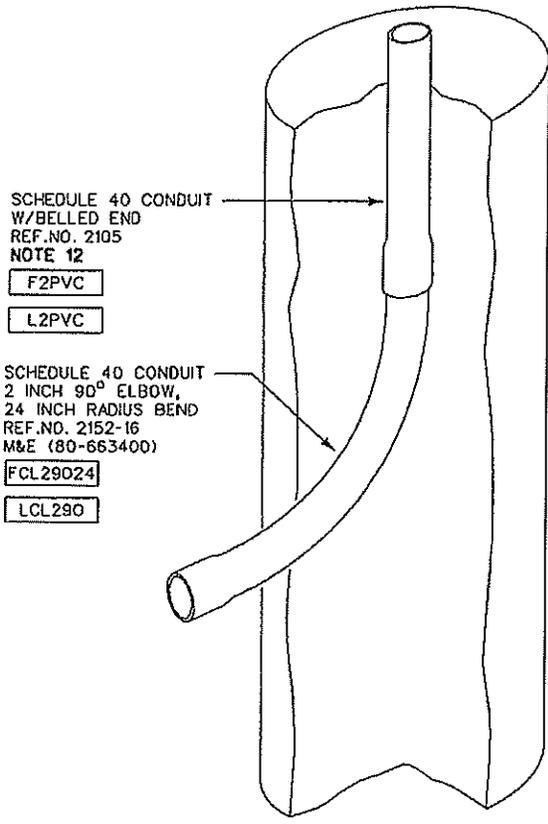
NOTES:

1. POLE SHALL NOT BE INSTALLED UNTIL CONCRETE HAS CURED A MINIMUM OF THREE DAYS.
2. ALL WORK TO BE IN ACCORDANCE WITH THE LATEST REVISION OF ACI 318, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AS WELL AS ANY OTHER APPROPRIATE CODES OR REGULATIONS.
3. EACH FOUNDATION SHALL BE POURED IN A SINGLE CONTINUOUS POUR.
4. ALL LOOSE MATERIAL SHALL BE REMOVED FROM THE HOLE PRIOR TO CONCRETE PLACEMENT. THE SIDES OF THE EXCAVATION SHALL BE ROUGH AND FREE OF LOOSE MATERIAL.
5. CONCRETE SHALL BE PLACED IN A MANNER THAT PREVENTS SEGREGATION OF THE CONCRETE AND/OR INFILTRATION OF WATER OR SOIL. FREE FALL CONCRETE IS ALLOWED PROVIDED THE CONCRETE DOES NOT HIT THE SIDES OF THE EXCAVATION OR THE REBAR. UNDER NO CIRCUMSTANCE SHALL CONCRETE FALL THROUGH WATER.
6. BURIAL DEPTH IS DEFINED AS THE DISTANCE BETWEEN FINAL GRADE AND THE TOP OF THE BURIED CABLE OR CONDUIT. SECONDARY OR SERVICE CABLES SHALL BE INSTALLED AT A BURIAL DEPTH OF NOT LESS THAN 2'-6". IT IS RECOMMENDED THAT SECONDARY OR SERVICE CABLES MAINTAIN A BURIED DEPTH OF AT LEAST 2'-0"; THE INITIAL 2'-6" BURIAL DEPTH IS TO ALLOW FOR CHANGES IN SURFACE CONDITIONS.
7. GROUND RODS ARE TO BE DRIVEN TO THE DEPTH SHOWN UNLESS ROCK OR OTHER OBSTRUCTIONS ARE ENCOUNTERED. RESISTANCE OF INDIVIDUAL GROUND LOCATIONS SHOULD BE LOWERED TO PRACTICAL VALUES. ADDITIONAL GROUND RODS MAY BE DRIVEN (NO MORE THAN THREE AT ANY SINGLE LOCATION).
8. GROUNDING CONDUCTOR SHALL BE CONNECTED TO GROUNDING STUD OF METALLIC POLES IN VICINITY OF HANDHOLE AND TO FIXTURES GROUNDING LUG.
9. FOR SOIL CLASSIFICATION DETAILS, REFER TO D.S. 229.
10. FORM FOR CONCRETE FOUNDATION SHALL BE MADE FROM SONOTUBE OR SIMILAR MATERIAL. FORM SHALL EXTEND MINIMUM OF 12" BELOW GRADE.
11. REFER TO POLE MANUFACTURER'S INSTRUCTIONS FOR PLACEMENT OF ANCHOR BOLTS AND TORQUE REQUIREMENTS.
12. SIZE CONDUIT FOR CONDUCTORS: TWO CONDUITS MAY BE INSTALLED IF CONDUCTOR LOOPS THROUGH FOUNDATION.
13. FORM HORIZONTAL REBAR IN RING OF 12" DIAMETER FOR 18" DIAMETER FOUNDATION AND 18" FOR 24" FOUNDATION.
14. HORIZONTAL TIES SHALL BE TIED TO VERTICAL REINFORCEMENT WITH STANDARD REINFORCEMENT TIE WIRE.

TABLE I  
CONCRETE FOUNDATION LENGTH  
NOTE 9

| FOUNDATION DESIGN | DIAMETER (INCHES) | GRADE BASE FOUNDATION LENGTH (FEET) |      | ABOVE GRADE BASE FOUNDATION LENGTH (FEET) |      |
|-------------------|-------------------|-------------------------------------|------|---|------|
|                   |                   | SOIL CLASSIFICATION                 |      | SOIL CLASSIFICATION                       |      |
|                   |                   | HARD OR NORMAL                      | SOFT | HARD OR NORMAL                            | SOFT |
| A                 | 18                | 4                                   | 5    | 6   | 7    |
| B                 | 18                | 5                                   | 6    | 7   | 8    |
| C                 | 24                | 5                                   | 6    | 7   | 8    |
| D                 | 24                | 6                                   | 7    | 8   | 9    |
| E                 | 24                | 6                                   | 8    | 8   | 10   |

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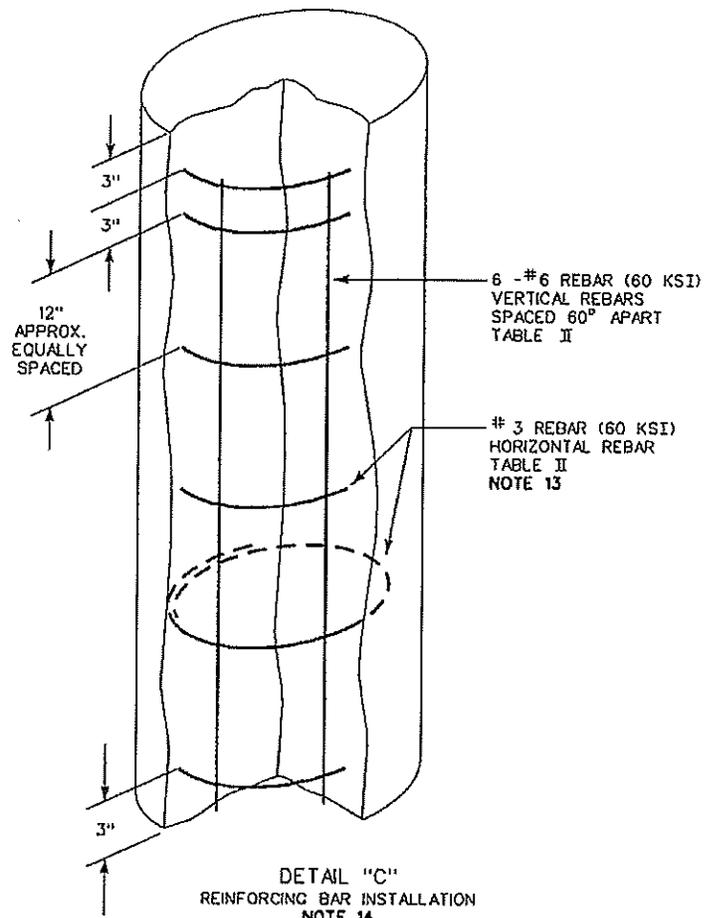
SCHEDULE 40 CONDUIT  
W/BELLED END  
REF.NO. 2105  
NOTE 12

F2PVC  
L2PVC

SCHEDULE 40 CONDUIT  
2 INCH 90° ELBOW,  
24 INCH RADIUS BEND  
REF.NO. 2152-16  
M&E (80-663400)

FCL29024  
LCL290

DETAIL "B"  
CONDUIT INSTALLATION  
NOTE 12



DETAIL "C"  
REINFORCING BAR INSTALLATION  
NOTE 14

TABLE II  
FOUNDATION REBAR INFORMATION

| FOUNDATION SIZE   |               | CUBIC YARDS OF CONCRETE | #6 REBAR (60 KSI) VERTICAL REINFORCEMENT REBAR |              | #3 REBAR (60 KSI) HORIZONTAL REINFORCEMENT REBAR |                |              |
|-------------------|---------------|-------------------------|--|--------------|--|----------------|--------------|
| DIAMETER (INCHES) | LENGTH (FEET) |                         | LENGTH (FT-IN)                                 | WEIGHT (LBS) | QUANTITY   | LENGTH (FT-IN) | WEIGHT (LBS) |
| 18                | 4             | 0.26                    | 3'-6"  | 34           | 5  | 4'-2"          | 8            |
|                   | 5             | 0.33                    | 4'-6"  | 43           | 6  |                | 9            |
|                   | 6             | 0.39                    | 5'-6"  | 50           | 7  |                | 11           |
|                   | 7             | 0.46                    | 6'-6"  | 59           | 8  |                | 13           |
|                   | 8             | 0.52                    | 7'-6"  | 68           | 9  |                | 14           |
| 24                | 5             | 0.51                    | 4'-8"  | 43           | 6  | 5'-8 1/2"      | 12           |
|                   | 6             | 0.70                    | 5'-6"  | 50           | 7  |                | 15           |
|                   | 7             | 0.81                    | 6'-6"  | 59           | 8  |                | 17           |
|                   | 8             | 0.93                    | 7'-6"  | 68           | 9  |                | 19           |
|                   | 9             | 1.05                    | 8'-6"  | 77           | 10   |                | 21           |
|                   | 10            | 1.16                    | 9'-6"  | 86           | 11   |                | 24           |



04/10/2008



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THE BARRON'S NEWS  
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