

Suite 403 • City County Building  
 400 Main Street  
 Knoxville, Tennessee 37902  
 865 • 215 • 2500  
 F A X • 215 • 2068  
 www.knoxmpc.org

# Downtown Knoxville Design Overlay District Certificate of Appropriateness

Name of Applicant: Karen McKeehan / City of Knoxville

Owner  Contractor  Architect  Engineer  Other

Date Filed: 7/27/18 Application accepted by: Mike Reynolds

Fee Amount: 0.<sup>00</sup> Review Date: 8/15/18 File Number: 8-E-18-DT

**PRE-APPLICATION CONFERENCE** Date Completed: \_\_\_\_\_

**PROPERTY INFORMATION**

Building or Project Name: 600 Block of Market Street

Street Address: 600 - 625 Market Street

Parcel Identification Number(s): \_\_\_\_\_

**PROJECT ARCHITECT/ENGINEER**

PLEASE PRINT  
 Name: Karen McKeehan  
 Company: City of Knoxville  
 Address: 3131 Morris Avenue  
 City: Knoxville State: TN Zip: 37909  
 Telephone: 865-215-6125  
 Fax: 865-215-6109  
 E-mail: kimckeehan@knoxvilletn.gov

**PROPERTY OWNER**

PLEASE PRINT  
 Name: City of Knoxville  
 Company: City of Knoxville  
 Address: 400 Main Street  
 City: Knoxville State: TN Zip: 37902  
 Telephone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-mail: \_\_\_\_\_

**PROJECT CONTRACTOR**

PLEASE PRINT  
 Name: TBD  
 Company: TBD  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Telephone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-mail: \_\_\_\_\_

**ACCOMPANYING MATERIALS**  
 Please see the reverse side of this form for a list of information required as part of this application.

**FOR OFFICE USE ONLY**

**PROJECT INFORMATION**

LEVEL 1: \$50  
 Minor Alteration of an Existing Building/Structure  
 Sign

LEVEL 2: ~~\$100~~  
 Major Alteration of an Existing Building/Structure  
 Addition to an Existing Building/Structure

LEVEL 3: \$250  
 Construction of New Building/Structure

**PROJECT CONTACT**  
 All application-related correspondence should be directed to:

PLEASE PRINT  
 Name: Karen McKeehan  
 Company: City of Knoxville  
 Address: 3131 Morris Avenue  
 City: Knoxville State: TN Zip: 37909  
 Telephone: 865-215-6125  
 Fax: 865-215-6109  
 E-mail: kimckeehan@knoxvilletn.gov

NOTE: Payment is due at time of application. Please make check payable to Knoxville Knox County Metropolitan Planning Commission.

**Project: 600 Block of Market Street**

This project will reconstruct Market Street and adjoining sidewalks between Clinch Avenue and W Church Avenue. The street will be concrete and the sidewalks will have a band of stamped integrally colored concrete closely matching the color and pattern of the 700 Block of Market Street. In addition to new LED street lights, structural soil cells and tree wells for 4 street trees will be included in the project.

Proposed Materials:

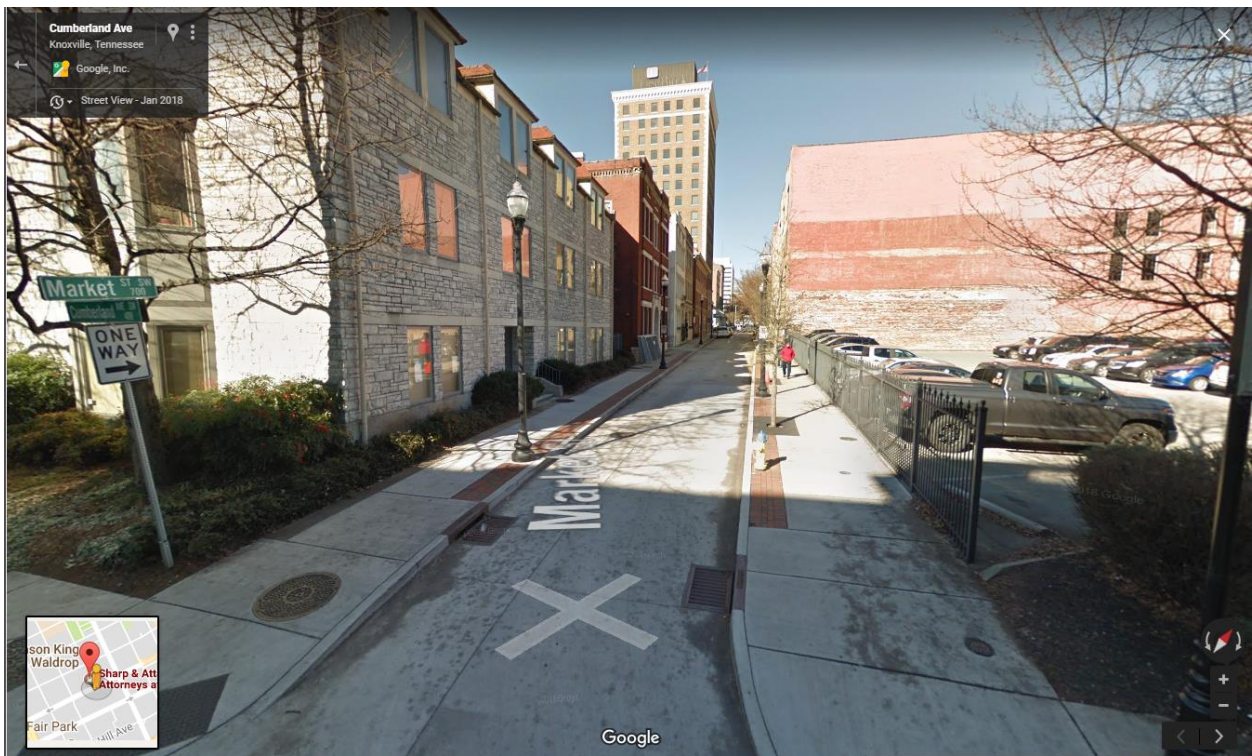
- Integrally colored stamped concrete band
- LED street lights
- Structural soil cells for tree wells

Attached:

- Photos of 700 Block of Market Street that has a similar brick band and LED street lights
- Photos of existing 600 Block of Market Street
- Preliminary construction plans

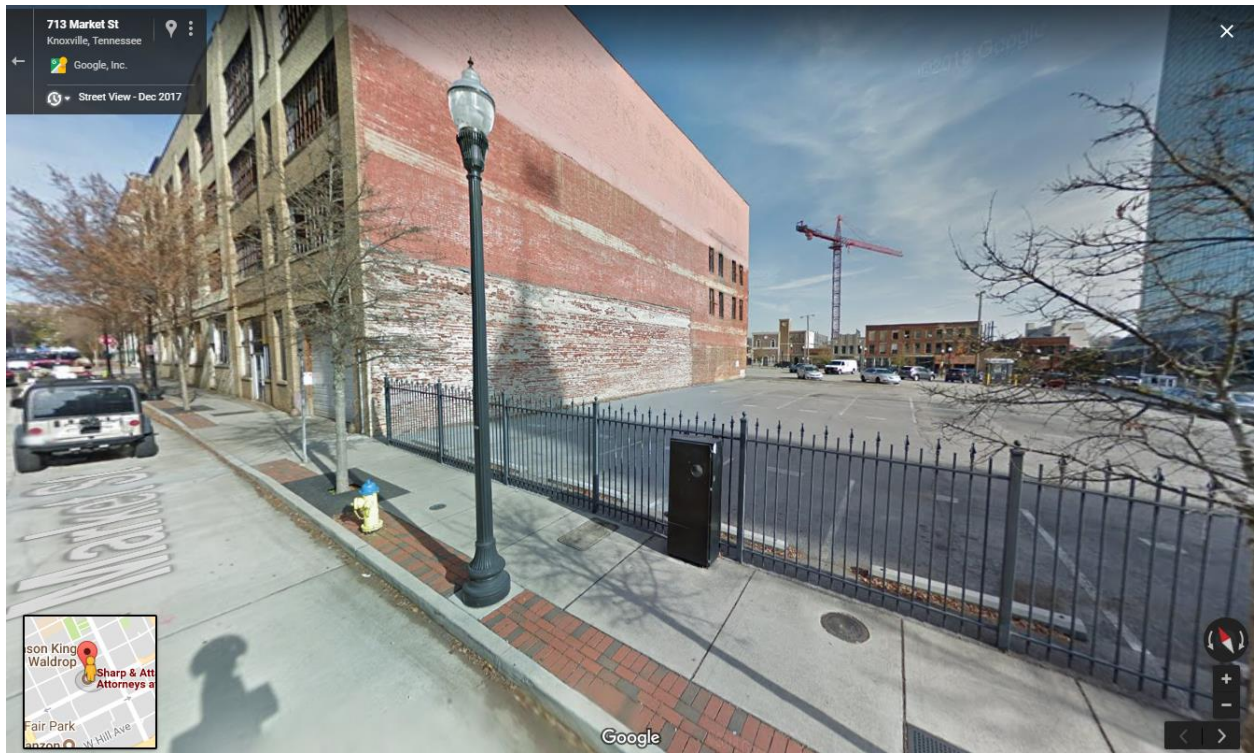


Market Street at W Church Avenue looking south (700 Block)



Market Street at Cumberland Avenue looking north (700 Block)



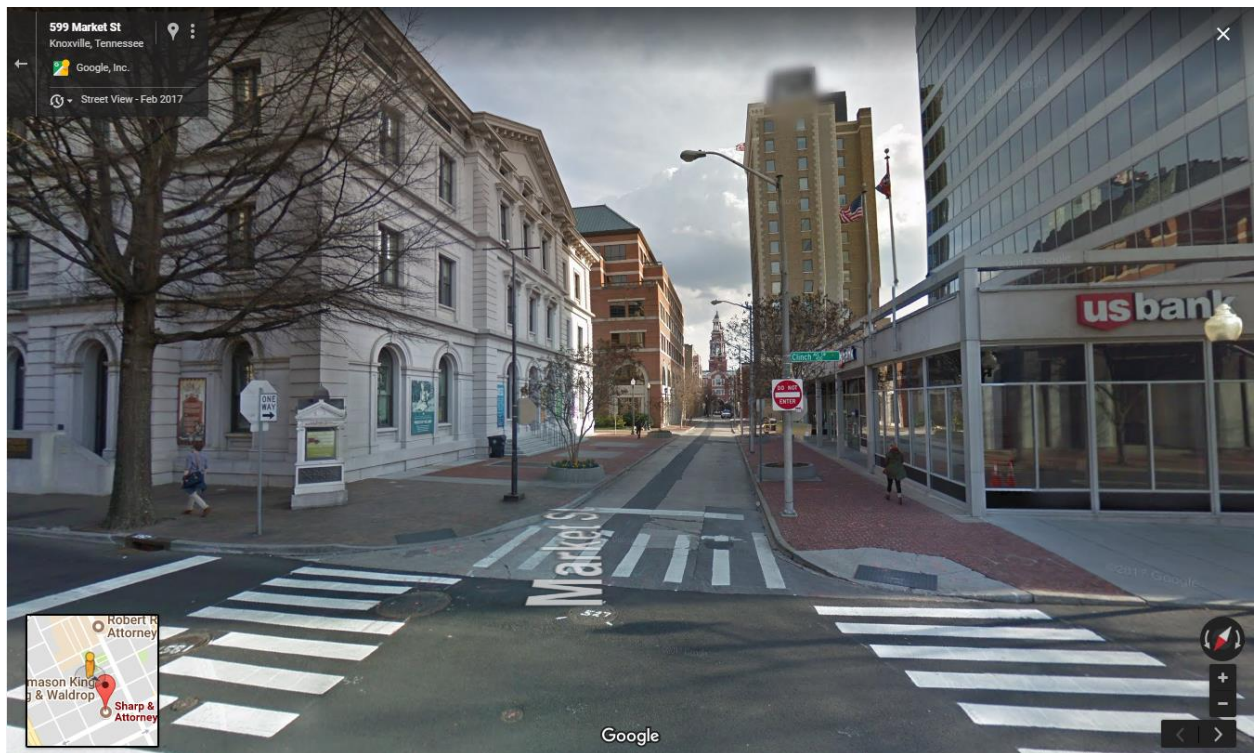


LED street light and brick pattern used on the 700 Block of Market Street





Market Street at W Church Avenue looking north (600 Block)



Market Street at Clinch Avenue looking south (600 Block)





**CITY OF KNOXVILLE**  
MADLINE ROGERO, MAYOR

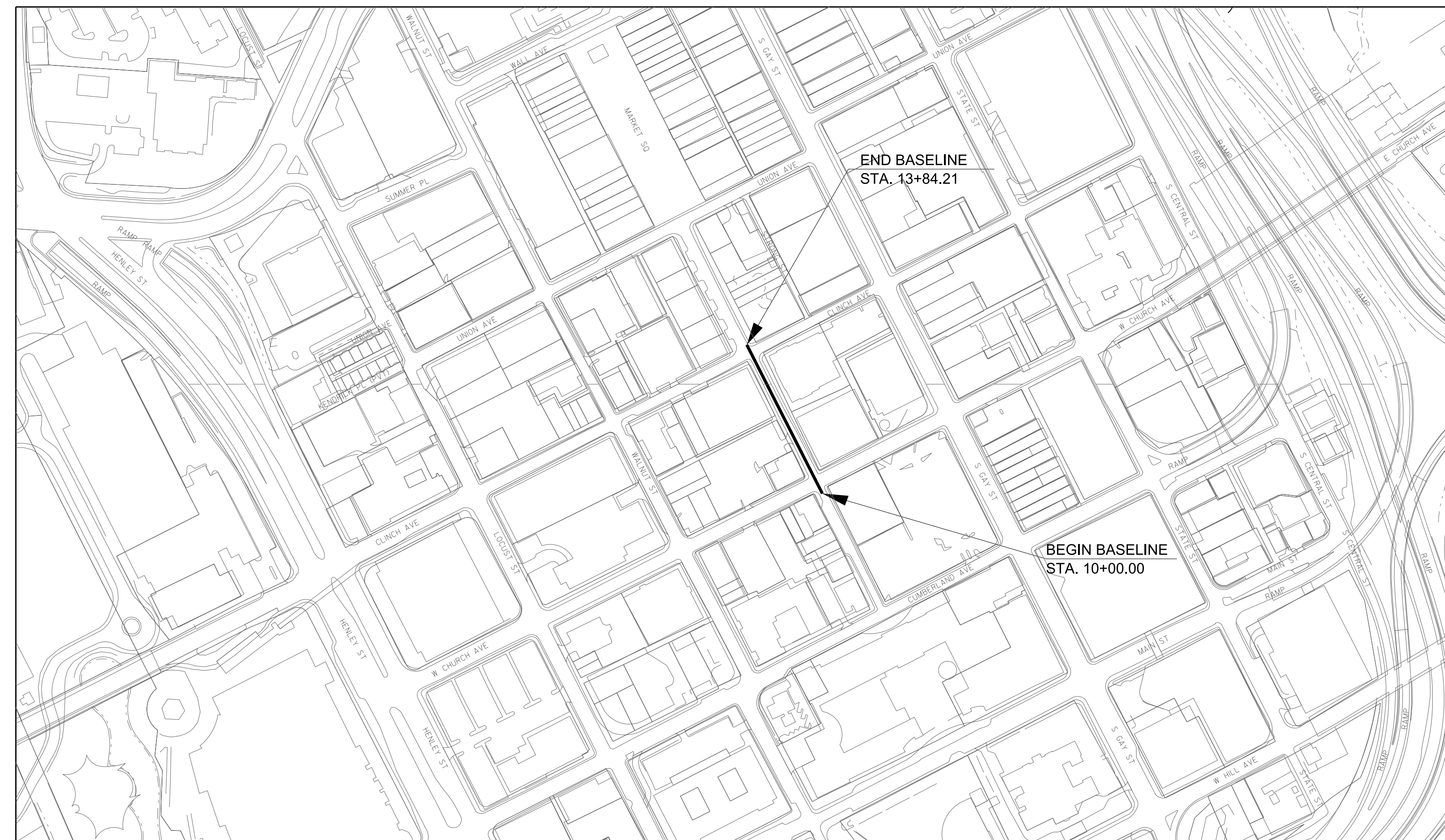
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**600 BLOCK OF MARKET STREET**

**CITY OF KNOXVILLE STANDARD CONSTRUCTION DRAWINGS**

DWG. NO.	REV. DATE	TITLE
COK-5		STORM PIPE BEDDING AND BACKFILL
COK-6	03-26-08	CONCRETE SIDEWALKS
COK-10	03-19-15	TYPE 'B' CAST IRON FRAME GRATE, AND INLET FOR COK-9 AND FOR TDOT CATCH BASINS, Nos. 10, 12, 14, 16 AND 17
COK-12		TRENCH CUT REPAIRS
COK-13	12-29-16	CURB CUTS AND TACTILE WARNING SYSTEMS



PROJECT DESCRIPTION: RECONSTRUCT APPROXIMATELY 300 L.F. OF CONCRETE STREET WITH SIDEWALKS, CURB, AND INSTALL TREE WELLS, LIGHTS, AND ANY NECESSARY DRAINAGE.  
 PROJECT NUMBER: 17A-R-0625  
 CITY BLOCKS: 04061 and 04062  
 SCALE: 1" = 200'

**TENNESSEE DEPARTMENT OF TRANSPORTATION STANDARD ROADWAY DRAWINGS**

DWG. NO.	REV. DATE	TITLE
RP-D-16	04-08-16	DETAILS OF LOWERED STANDARD CONCRETE DRIVEWAYS
RP-J-3	10-26-00	PORTLAND CEMENT CONCRETE PAVEMENT JOINT TYPES AND SPACING
RP-J-9	02-02-12	CONTRACTION AND CONSTRUCTION JOINTS FOR CONCRETE PAVEMENT
RP-J-11	07-29-96	3/4" AND 1-3/4" EXPANSION AND EDGE PAVEMENT JOINTS
RP-J-13	03-20-91	3/4" AND 1-3/4" ELASTOMERIC COMPRESSION JOINT SEALS
RP-J-15	01-19-02	LONGITUDINAL CONTRACTION AND CONSTRUCTION JOINTS
RP-J-17	02-02-12	DOWEL ASSEMBLY DEVICES
RP-J-18	02-02-12	DOWEL ASSEMBLY DEVICES
RP-J-19	02-02-12	DOWEL ASSEMBLY DEVICES
RD-UD-3	09-05-96	UNDERDRAIN DETAILS
T-M-4	10-10-16	STANDARD INTERSECTION PAVEMENT MARKINGS
T-WZ-55	10-10-16	SIDEWALK TRAFFIC CONTROL

**PRELIMINARY**

SHEET No. 1

600 BLOCK OF MARKET STREET

DESIGN BY: DEPARTMENT OF ENGINEERING  
 3131 MORRIS AVENUE  
 KNOXVILLE, TENNESSEE 37909



PROJECT No.	YEAR	SHEET No.	
17A-R-0625	2017	2	
REVISIONS			
No.	DATE	BY	BRIEF DESCRIPTION

## QUANTITIES

ITEM	DESCRIPTION	QUANTITIES	UNIT
1.10	MOBILIZATION OF FORCES, SUPPLIES AND EQUIPMENT (MAX. AMOUNT = \$14,000 + 1% CONTRACT AMOUNT)	1	L.S.
① 2.10	CLEARING AND GRUBBING	1	L.S.
② 3.10	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1	L.S.
3.20	REMOVAL OF CONCRETE STREET	1	L.S.
4.10	BACKFILL FOR STRUCTURAL SOIL CELLS	40	C.Y.
③ 5.10	MINERAL AGGREGATE BASE	620	TON
7.10	TACK COAT	2	GAL.
9.20	BITUMINOUS PLANT MIX BASE, GRADING "B-M"	8	TON
9.50	BITUMINOUS PLANT MIX BASE, GRADING "C-S"	1	TON
10.10	ASPHALTIC CONCRETE SURFACE, GRADING "D"	2	TON
11.10	PORTLAND CEMENT CONCRETE PAVEMENT (PLAIN) 10"	621	S.Y.
12.65	6" DETACHED CONCRETE CURB, TYPE A	15	L.F.
12.69	6" DOWELED CONCRETE CURB	600	L.F.
④ 13.10	CONCRETE SIDEWALKS	6,711	S.F.
13.11	4" THICK CONCRETE PAVING (COLORED AND STAMPED)	878	S.F.
13.20	CONCRETE DRIVEWAYS	710	S.F.
20.41	4" HDPE	55	L.F.
⑤ 21.20	FILTER CLOTH UNDERDRAIN w/ PIPE (4" HDPE)	55	L.F.
23.10	POWER VAULT FRAME ADJUSTMENTS	1	L.S.
23.20	CATCH BASIN ADJUSTMENT	2	EACH
23.30	ADA COVER FOR UTILITY VAULT	1	EACH
26.10	PLANTING SOIL FOR STRUCTURAL CELLS	60	C.Y.
30.20	HARDWOOD MULCH (3")	1	C.Y.
31.10	EROSION PREVENTION AND SEDIMENT CONTROL	1	L.S.
34.10	CONSTRUCTION AREA TRAFFIC CONTROL	1	L.S.
35.10	DEMOLITION OF EXISTING LIGHTING, POLES, CONDUCTORS, AND APPURTENANCES	1	L.S.
⑨ 35.20	CONSTRUCTION OF NEW STREET LIGHTING AND ELECTRICAL APPURTENANCES	1	L.S.
⑩ 36.10	GEOTEXTILE FILTER FABRIC	345	S.Y.
39.20	PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE)	18	L.F.
40.20	PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK STRIPING)	45	L.F.
⑥ 63.10	SIGNAGE	1	L.S.
⑦ 64.10	HANDRAIL AT STEPS (600 MARKET STREET)	1	L.S.
70.20	TACTILE WARNING SYSTEM, CAST-IN-PLACE	5	EACH
⑧ 71.10	STRUCTURAL SOIL CELL SYSTEM (16.7" DEPTH)	31	EACH
⑧ 71.20	STRUCTURAL SOIL CELL SYSTEM (43" DEPTH)	63	EACH
74.20	GEO-GRID FOR STRUCTURAL CELLS	140	S.Y.
74.30	18" ROOT BARRIER	80	L.F.

- ① Includes the removal of 8 trees and one stump. See Sheet No. 5.
- ② Includes the removal of tree wells, concrete pads, concrete bands, and brick sidewalks. See Sheet No. 5.
- ③ Includes 350 Tons for subgrade, 240 Tons for sidewalks, Alley, and driveways, and 30 Tons for Structural Soil Cell System.
- ④ To include the cost of curb ramps at roadway intersections.
- ⑤ For joints between asphalt and concrete pavement, tie to storm sewer. Pipe will be solid from joint to catch basin.
- ⑥ To include the cost of removal and reinstallation. See Sheet No. 5.
- ⑦ To include the cost of removal and reinstallation in proposed sidewalk. See Sheet No. 5.
- ⑧ To include Decks, Frames, Posts, and Appurtenances.
- ⑨ To include all costs associated with materials, labor, and installation of lighting items. See Sheet No. 9 for lighting layout and quantities.
- ⑩ For structural soil cells.

## GENERAL NOTES

### UTILITIES

- THE LOCATION OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. EXACT LOCATIONS WILL BE DETERMINED IN THE FIELD BY CONTACTING THE UTILITY COMPANIES INVOLVED.
- UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR ITS REPRESENTATIVE. THE CONTRACTORS AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT.
- THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING ALL AFFECTED UTILITIES PRIOR TO SUBMITTING HIS BID, IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND / OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF THE WORK FOR THE PROJECT. SOME UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS, WHILE SOME WORK MAY BE REQUIRED AROUND UTILITY FACILITIES THAT WILL REMAIN IN PLACE. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR WILL RECEIVE NO ADDITIONAL COMPENSATION FOR ANY DELAYS OR INCONVENIENCE CAUSED BY THE UTILITY ADJUSTMENTS.
- THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY.
- SOME UTILITIES CAN BE LOCATED BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC. AT 1-800-351-1111.
- ALL POWER, AND COMMUNICATION LINES, POLES, WATER LINES, GAS LINES, SEWER LINES OR OTHER PUBLIC UTILITIES CONFLICTING WITH THE PROPOSED IMPROVEMENTS SHALL BE RESET OR ADJUSTED BY THEIR RESPECTIVE OWNERS AS FOLLOWS:  
  
 KNOXVILLE UTILITIES BOARD - ALL GAS, ELECTRIC, WATER, AND SANITARY SEWER LINES.  
  
 AT&T - ALL TELEPHONE LINES.  
  
 WOW! KNOXVILLE OR COMCAST - ALL CABLE TELEVISION

### GRADING

- ADEQUATE EROSION AND SEDIMENT CONTROL MEASURES MUST BE MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION IN ACCORDANCE WITH THE PROVISIONS SPECIFIED IN THE CITY OF KNOXVILLE BMP MANUAL.
- EXCAVATED MATERIAL IN EXCESS OF THAT REQUIRED FOR EMBANKMENT FILLING, OR UNSUITABLE FOR SUCH SHALL BE DISPOSED OF PROPERLY BY THE CONTRACTOR WITH THE SITE OF DISPOSAL BEING APPROVED BY THE ENGINEER. ALL APPLICABLE PERMITS FOR THE DISPOSAL OF MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR.
- WORK SHALL BE DONE IN AN EXPEDIENT MANNER TO MINIMIZE TIME OF EXPOSURE TO WEATHER.
- ANY AREA THAT IS DISTURBED OUTSIDE THE LIMITS OF CONSTRUCTION DURING THE LIFE OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE. CONTRACTOR SHALL CLEAR ONLY AREAS TO BE EXCAVATED.
- ANY INCIDENTAL PAVEMENT REMOVAL REQUIRED WILL BE PAID FOR UNDER ITEM 3.10, REMOVAL OF STRUCTURES AND OBSTRUCTIONS.

### MAINTENANCE OF TRAFFIC

- CONTRACTOR SHALL NOTIFY AFFECTED PROPERTY OWNERS PRIOR TO BEGINNING WORK.
- PEDESTRIAN ACCESS MUST BE MAINTAINED TO ALL ADJOINING PROPERTIES DURING CONSTRUCTION AND NON-CONSTRUCTION HOURS.
- THE CONTRACTOR IS RESPONSIBLE FOR DESIGNATING A STAGING AREA WITH THE APPROVAL OF THE ENGINEER, LOCATED TO MINIMIZE IMPACT TO THE AREA. THE CONTRACTOR MUST IDENTIFY A PARKING AREA, WITH THE APPROVAL OF THE ENGINEER, FOR EMPLOYEE PARKING.
- THE CONTRACTOR SHALL NOT OPERATE TRACK-DRIVEN EQUIPMENT ON THE ADJACENT LOCAL STREET SYSTEM AND IS DISCOURAGED FROM OPERATING RUBBER-TIRED CONSTRUCTION EQUIPMENT ON ADJACENT STREETS. IN THE EVENT THAT SUCH OPERATIONS BECOME NECESSARY, THEY MUST BE COORDINATED THROUGH THE ENGINEER.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING NECESSARY TRAFFIC CONTROL. ALL SITUATIONS AND TRAFFIC SCHEMES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTION 34.0 AND THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD).

### MISCELLANEOUS

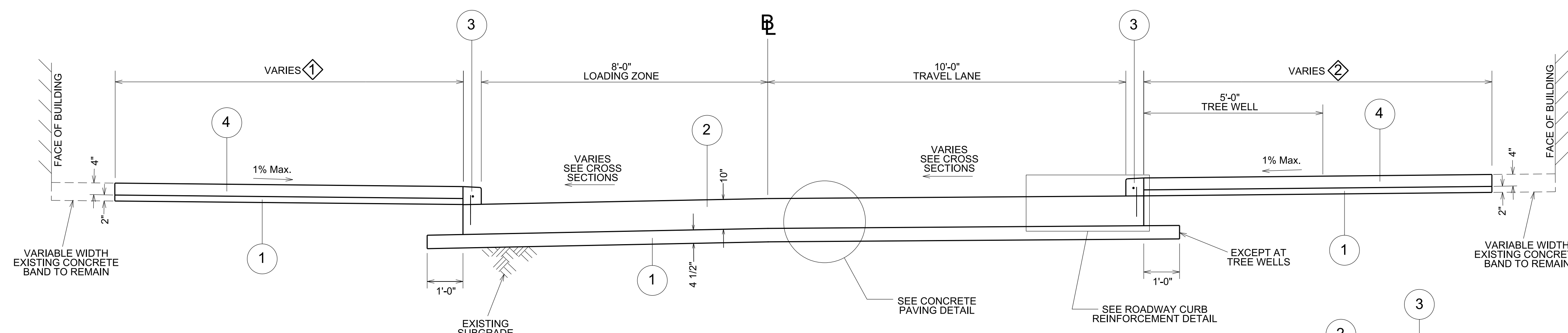
- THE CONTRACTOR SHALL NOTIFY AFFECTED PROPERTY OWNERS PRIOR TO BEGINNING WORK.
- THE CONTRACTOR SHALL COORDINATE WITH EACH BUSINESS GENERAL MANAGER A MINIMUM OF TWO WEEKS PRIOR TO ANY CONSTRUCTION ACTIVITY THAT MAY DISRUPT ACCESS INTO THE BUILDING IN ORDER TO REACH AN AGREEMENT THAT WILL MINIMIZE IMPACT TO THE BUSINESS.

# PRELIMINARY

CITY OF KNOXVILLE DEPARTMENT OF ENGINEERING	DRAWN: R.W. DESIGNED: K.M. DATE: --2018 CHECKED: S.F. APPROVED: T.C.
ESTIMATED QUANTITIES AND GENERAL NOTES	
600 BLOCK OF MARKET STREET	

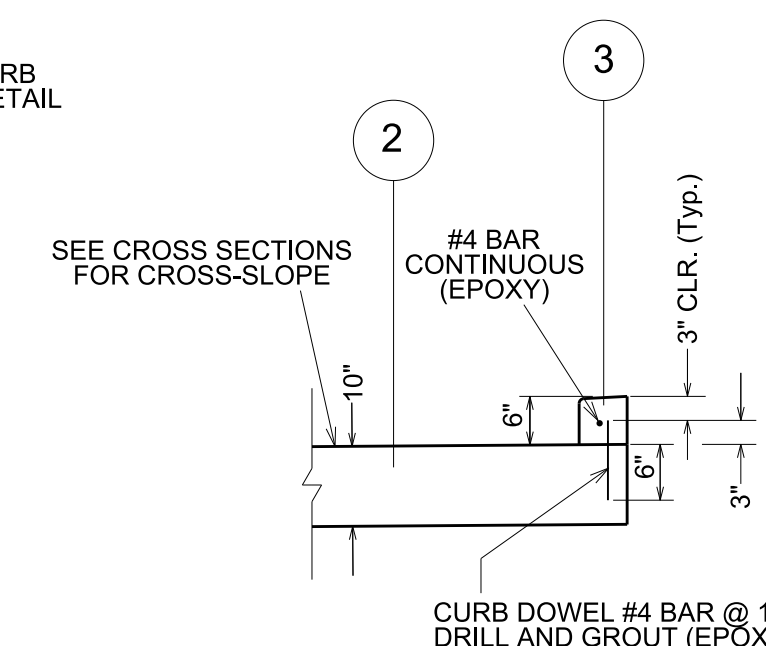


PROJECT No.	YEAR	SHEET No.	
17A-R-0625	2017	3	
REVISIONS			
No.	DATE	BY	BRIEF DESCRIPTION

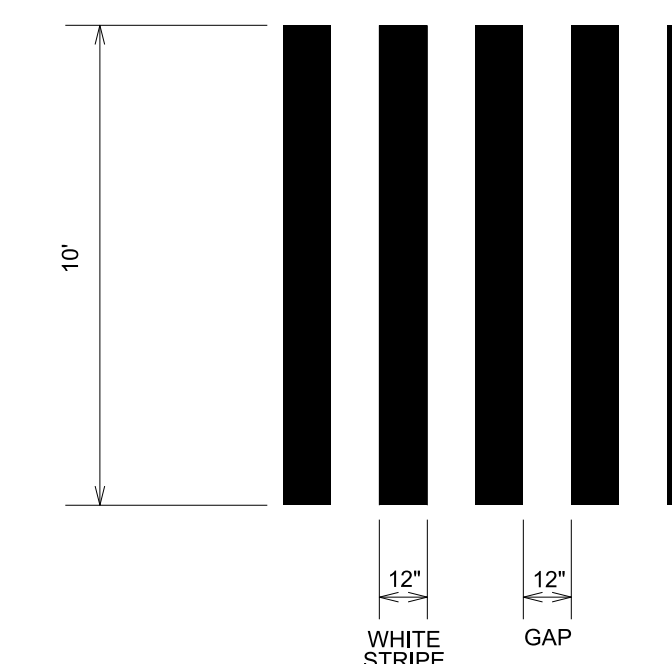


**MARKET STREET**

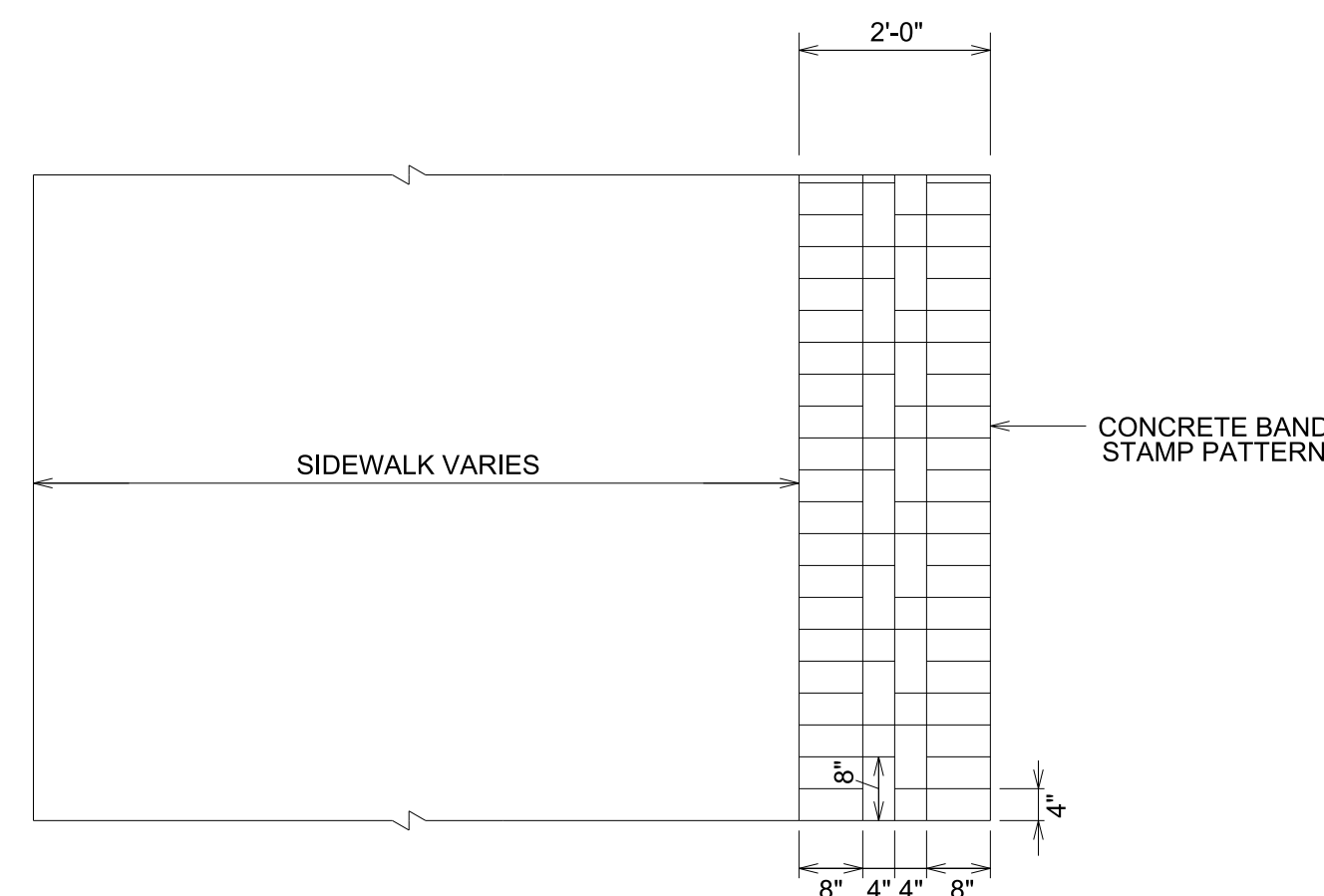
- ◇ 10'-0" FROM STA. 10+45.29 TO STA. 11+11.11  
15'-3" TO 15'-8" FROM STA. 11+11.11 TO STA. 11+82.25  
18'-5" TO 18'-7" FROM STA. 11+82.25 TO STA. 12+00.24  
14'-0" TO 13'-8" FROM STA. 12+00.24 TO STA. 13+30.32  
15'-9" FROM STA. 13+30.32 TO STA. 13+34.12
- ◇ 11'-0" TO 11'-1" FROM STA. 10+50.77 TO STA. 12+10.79  
24'-1" FROM STA. 12+10.79 TO STA. 12+50.95  
19'-7" TO 19'-5" FROM STA. 12+50.95 TO STA. 12+90.68  
23'-9" TO 23'-11" FROM STA. 12+90.68 TO STA. 13+15.22



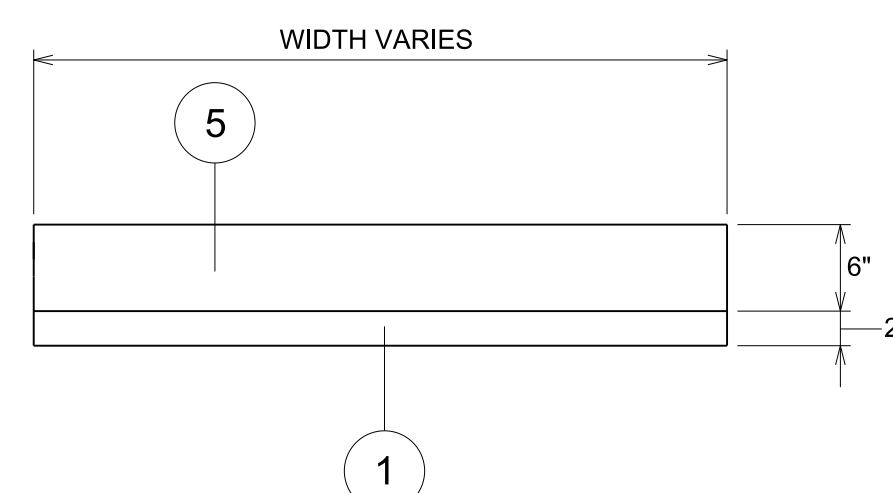
**ROADWAY CURB REINFORCEMENT DETAIL**  
N.T.S.



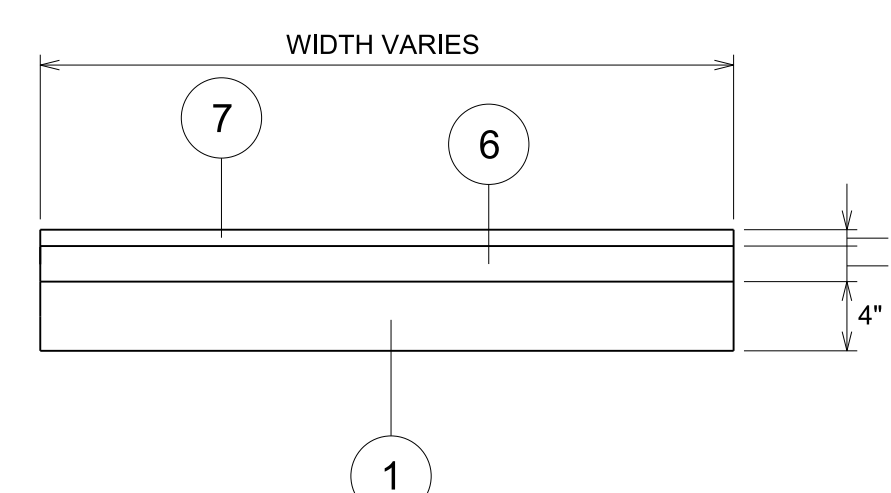
**"CONTINENTAL STYLE" CROSSWALK**  
N.T.S.



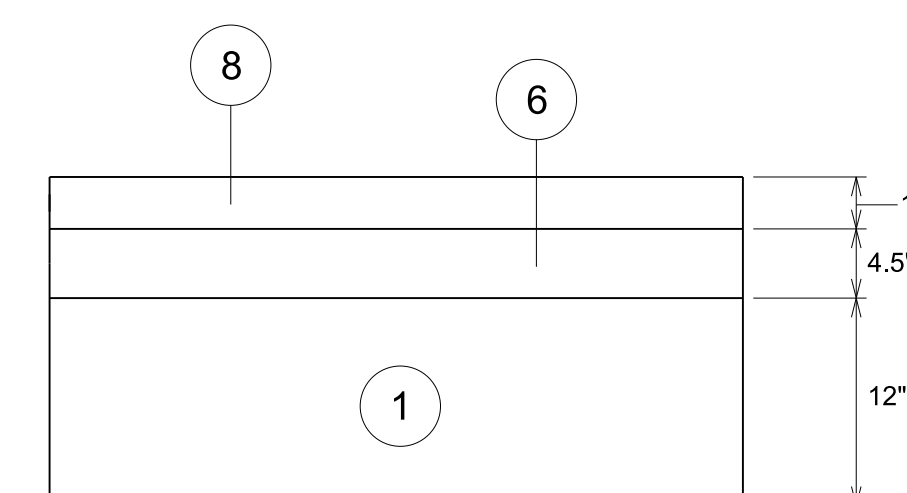
**CONCRETE BAND STAMP PATTERN DETAIL**  
N.T.S.



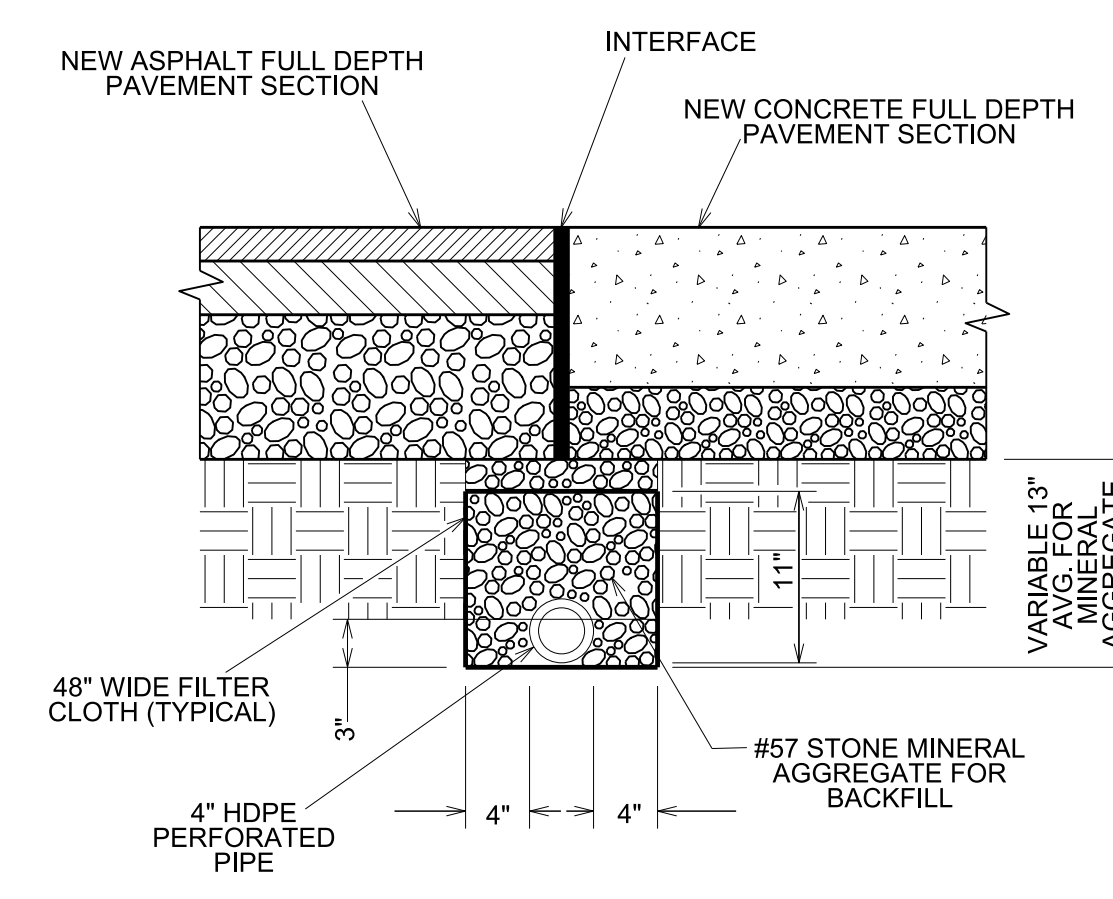
**CONCRETE DRIVEWAY**  
N.T.S.



**ASPHALT DRIVEWAY / PARKING LOT / ALLEY**  
N.T.S.



**FULL DEPTH PAVEMENT SECTION**  
N.T.S.



**4" HDPE PERFORATED PIPE FILTER CLOTH UNDERDRAIN**  
N.T.S.

**NOTES:**  
GENERAL

1. DEFINITIONS:  
a. CEMENTITIOUS MATERIALS: PORTLAND CEMENT ALONG OR IN COMBINATION WITH ONE OR MORE OF BLENDED HYDRAULIC CEMENT, FLY ASH AND OTHER POZZOLANS, AND GROUND GRANULATED BLAST-FURNACE SLAG.  
b. COLORING AGENT: ASTM C 979 SYNTHETIC MINERAL-OXIDE PIGMENTS OR COLORED WATER-REDUCING ADMIXTURES; COLOR STABLE, NON FADING, AND RESISTANT TO LIME AND OTHER ALKALIS.

2. SUBMITTALS:  
a. PRODUCT DATA: FOR EACH TYPE OF MANUFACTURED MATERIAL AND PRODUCT INDICATED, FOR INFORMATION ONLY.  
b. DESIGN MIXTURES: FOR EACH CONCRETE PAVEMENT MIXTURE, INCLUDE ALTERNATIVE MIXTURE DESIGNS WHEN CHARACTERISTICS OF MATERIALS, PROJECT CONDITIONS, WEATHER, TEST RESULTS, OR OTHER CIRCUMSTANCES WARRANT ADJUSTMENTS.  
c. MIX SAMPLES:  
1) SUBMIT ONE SAMPLE 12"X12" FOR EACH MIX OF AGGREGATE COLOR AND/OR TEXTURE.  
2) SUBMIT TWO AGGREGATE SAMPLES (ONE POUND EACH).

3. REFERENCE TO STANDARD SPECIFICATIONS OR CODES SHALL MEAN THE LATEST STANDARD OR CODE ADOPTED AND PUBLISHED.

4. COMPLY WITH REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE (ACI) 117-90 "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AD MATERIALS" FOR ALL CAST-IN-PLACE CONCRETE.

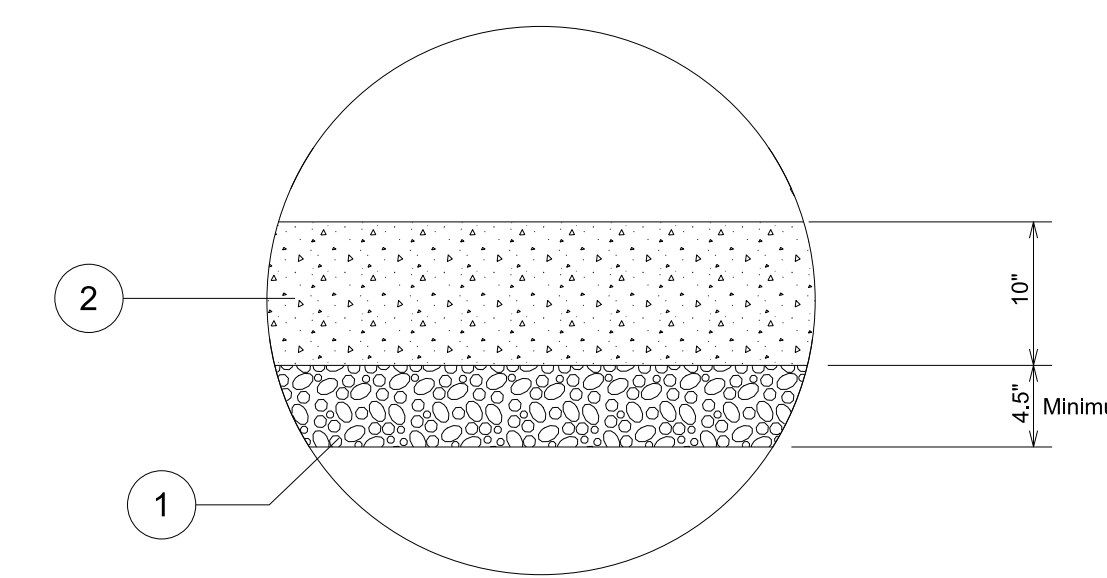
**PRODUCTS**

1. COLORING AGENT: ASTM C 979, SYNTHETIC MINERAL-OXIDE PIGMENTS OR COLORED WATER-REDUCING ADMIXTURES; COLOR STABLE, NON FADING AND RESISTANT TO LIME AND OTHER ALKALIS.  
a. COLOR: AS MANUFACTURED BY BUTTERFIELD COLOR (OR APPROVED EQUAL).  
1) HAMPSHIRE RED UN-MIX INTEGRAL COLOR  
2) DEEP CHARCOAL AND GRAY PLUM PERMA-CAST ANTIQUING RELEASE

2. STAMPING TOOLS: A COMBINATION OF FLEXIBLE AND RIGID REUSABLE RUBBER STAMPING MATS AND TOOLS.  
a. AS MANUFACTURED BY BUTTERFIELD COLOR (OR APPROVED EQUAL).  
1) PAVING BORDER PENNSYLVANIA AVENUE SOLDIER COURSE  
2) PAVING FIELD NEW BRICK SAILOR COURSE

3. SEALER: AS MANUFACTURED BY BUTTERFIELD COLOR (OR APPROVED EQUAL).  
a. APPLY CLEAR GUARD CURE AND SEAL PER MANUFACTURER RECOMMENDATIONS IN A NO GLOSS FINISH.

TYPICAL SECTION SCHEDULE		
ITEM	TECH. SPEC.	DESCRIPTION
1	5.0	MINERAL AGGREGATE BASE
2	13.0	PORTLAND CEMENT CONCRETE PAVEMENT (PLAIN) 10"
3	12.0	6" INTEGRAL REINFORCED CONCRETE CURB
4	13.0	CONCRETE SIDEWALK
5	13.0	CONCRETE DRIVEWAY
6	9.0	BITUMINOUS PLANT MIX BASE, GRADING "B-M"
7	9.0	BITUMINOUS PLANT MIX BASE, GRADING "C-S"
8	10.0	ASPHALTIC CONCRETE SURFACE, GRADING "D"



**CONCRETE PAVING DETAIL**  
N.T.S.

**PRELIMINARY**

CITY OF KNOXVILLE  
DEPARTMENT OF ENGINEERING

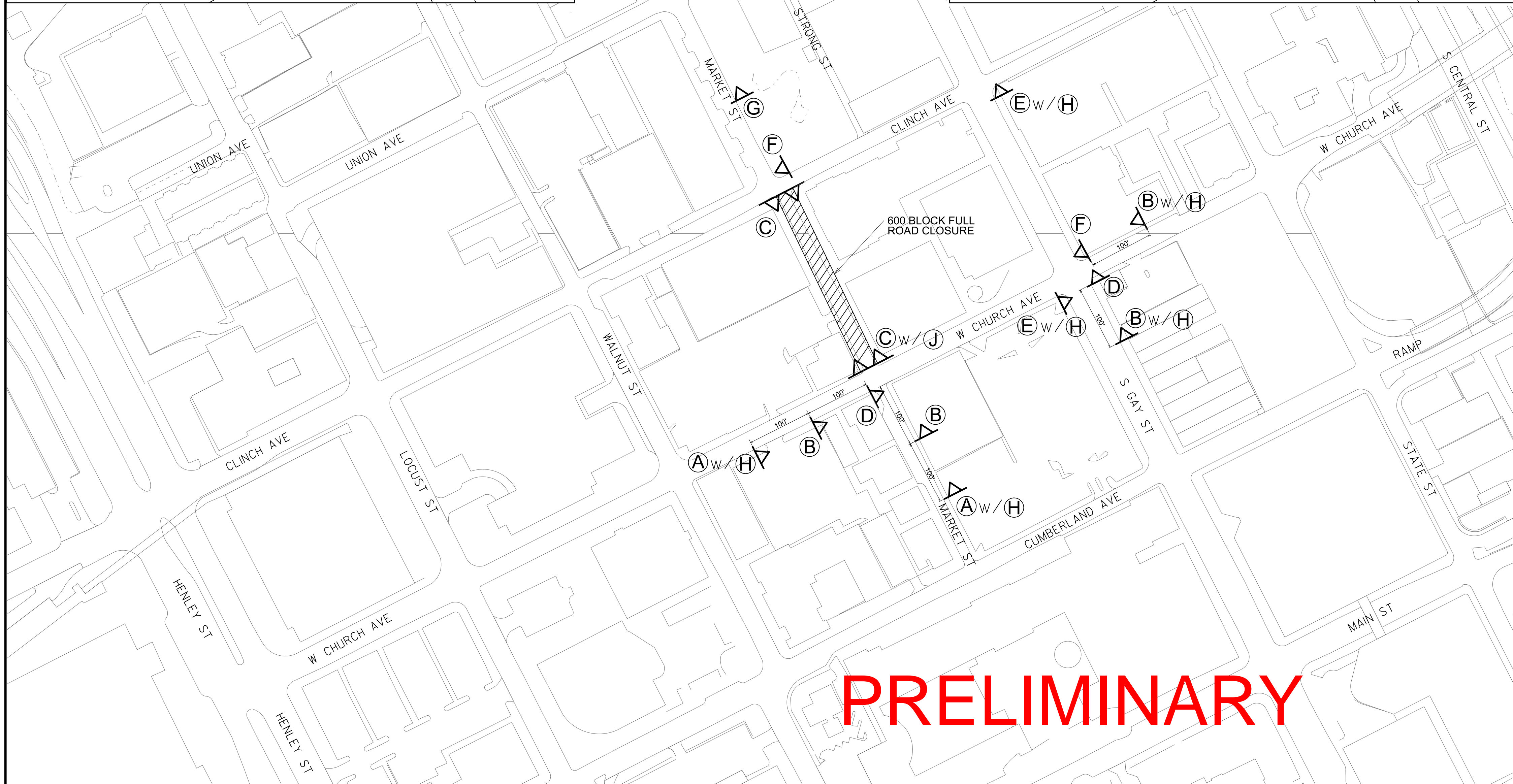
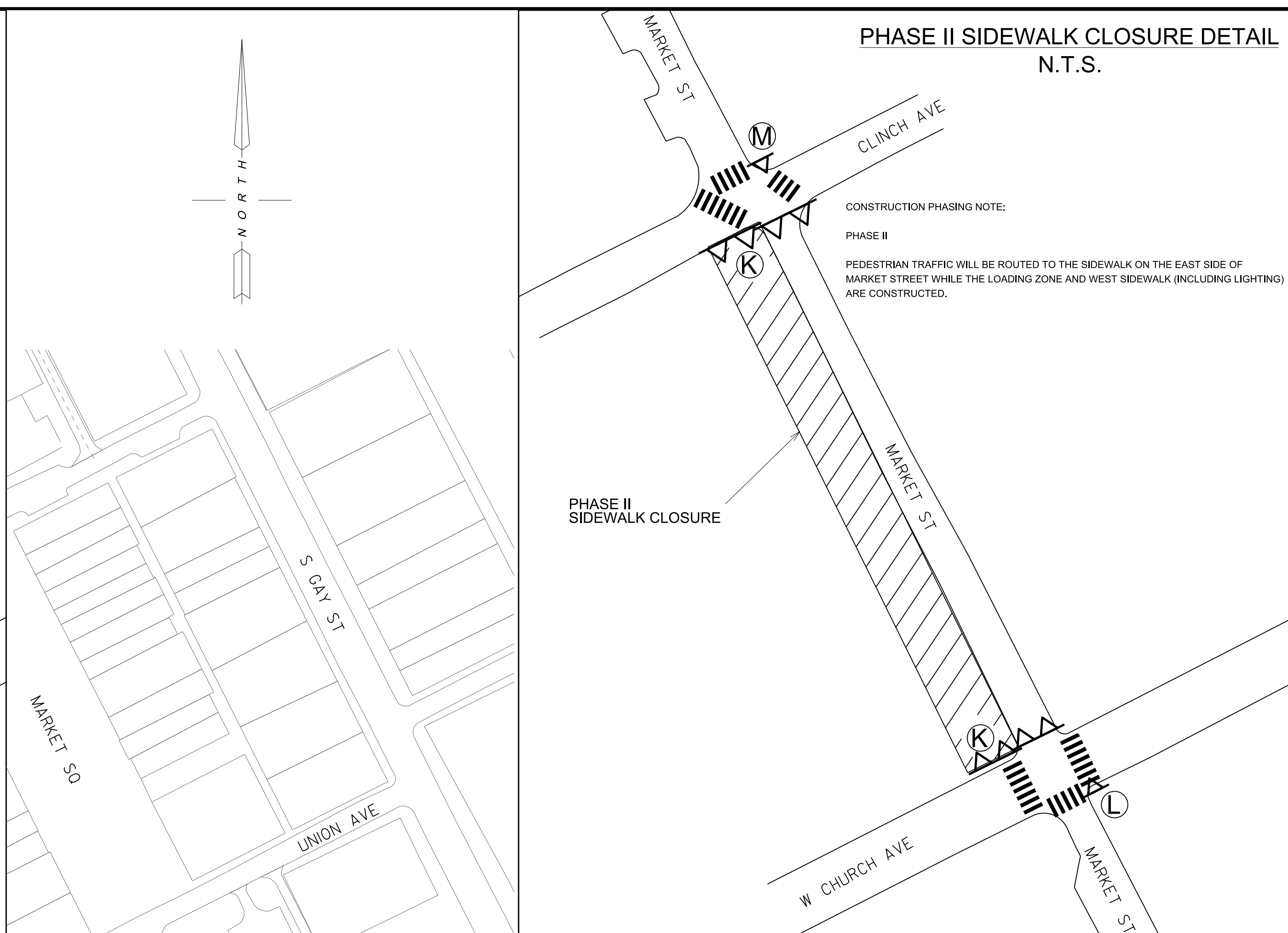
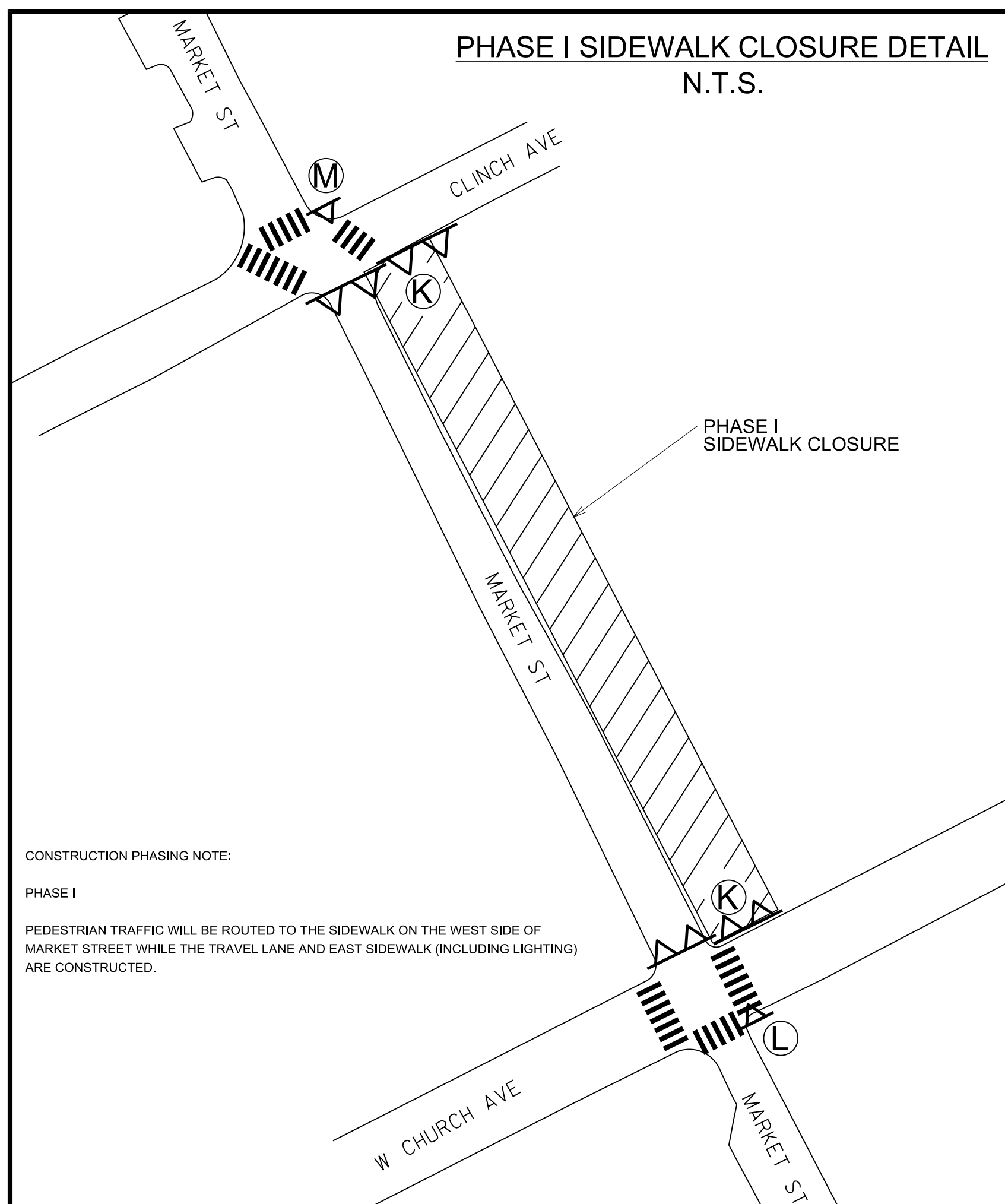
TYPICAL SECTIONS AND  
PAVEMENT SCHEDULE  
600 BLOCK OF MARKET STREET

N.T.S.

DRAWN: R.W.  
DESIGNED: K.M.  
DATE: ~2018  
CHECKED: R.T.  
APPROVED: T.C.



P:\04062 - Market Street Upgrade\Plan Sheets\Detour\_Plan.dgn - Default - RWebb 25-JUL-2018 8:58:00 AM - 1750\_greyref.pcn



**TRAFFIC CONTROL GENERAL NOTES:**

1. IN THE EVENT THAT A FLAGGING OPERATION BECOMES NECESSARY, THE CONTRACTOR SHALL PROVIDE THE APPROPRIATE "FLAGMAN AHEAD" SIGNING. WHEN NOT IN USE, THESE SIGNS SHALL BE COVERED.
2. WHEN A PRIVATE DRIVE IS TO BE TEMPORARILY CLOSED FOR CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER TWO (2) DAYS IN ADVANCE OF THE WORK.
3. THE CONTRACTOR SHALL MAINTAIN ALL TRAFFIC CONTROL DEVICES IN A SAFE AND OPERATIONAL CONDITION FOR THE DURATION OF THE CONTRACT AT NO ADDITIONAL COST TO THE OWNER. NOTHING IN THIS PLAN SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY FOR THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND RESIDENTS.
4. WORK ZONE TRAFFIC CONTROL AND ALL CONTROL DEVICES SHALL BE PROVIDED AS REQUIRED IN COMPLETE ACCORDANCE WITH THE CURRENT EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD). NOTHING IN THIS PLAN SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY FOR COMPLETE COMPLIANCE WITH THE MUTCD. THE REQUIREMENTS OF THE MUTCD SHALL SUPERCEDE ANYTHING SHOWN HEREON THAT IS NOT IN COMPLIANCE WITH THE MUTCD.
5. ALL SIGNS SHALL BE REMOVED OR FULLY COVERED WHEN CONDITIONS NECESSITATING THEIR USE ARE NOT PRESENT.
6. CONTRACTOR SHALL ENSURE THAT PEDESTRIAN DETOUR SIGNS DO NOT BLOCK THE SIDEWALK.
7. CONTRACTOR SHALL OBTAIN TRAFFIC CONTROL PERMIT FROM THE CITY OF KNOXVILLE AT LEAST 5 DAYS PRIOR TO CONSTRUCTION. CONTACT TONY VANDERGRIF (865) 215-6136 FOR INFORMATION.
8. CONTRACTOR SHALL PROVIDE ALL BUILDINGS TEMPORARY ACCESS FOR ALL PEDESTRIANS DURING CONSTRUCTION.
9. THE CONTRACTOR SHALL BE LIMITED TO WORKING HOURS FROM 7:00 AM TO 7:00 PM, MONDAY THROUGH FRIDAY UNLESS OTHERWISE APPROVED FOR SPECIAL CASES.

**SIDEWALK CLOSURE NOTES:**

1. MINIMIZE PEDESTRIAN OUT-OF-DIRECTION TRAVEL. IT IS NOT ACCEPTABLE TO REQUIRE PEDESTRIANS TO RETRACE THEIR PATH TO FIND A SAFE CROSSING
2. DETOUR SHALL BE DETECTABLE AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING FACILITY.
3. BARRICADES SHALL BE PLACED ACROSS THE FULL WIDTH OF THE CLOSED SIDEWALK.
4. WORK SHALL BE EXPEDITED TO MINIMIZE IMPACTS TO BUSINESS CAUSED BY THE SIDEWALK CLOSURE.

PROJECT No.	YEAR	SHEET No.	
17A-R-0625	2017	4	
REVISIONS			
No.	DATE	BY	BRIEF DESCRIPTION

**LEGEND**

	=	(A)		=	(K)
	=	(B)		=	(L)
	=	(C)		=	(M)
	=	(D)		=	SINGLE POST MOUNTED SIGN
	=	(E)		=	TYPE III BARRICADE
	=	(F)			
	=	(G)			
	=	(H)			
	=	(J)			

**CITY OF KNOXVILLE**  
**DEPARTMENT OF ENGINEERING**

**DETOUR PLAN**  
600 BLOCK OF MARKET STREET

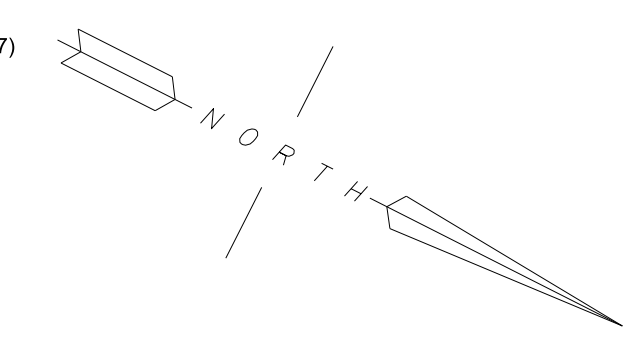
SCALE: 1" = 100'

DRAWN: R.W.	DESIGNED: K.M.
DATE: ~2018	CHECKED: S.F.
	APPROVED: T.C.

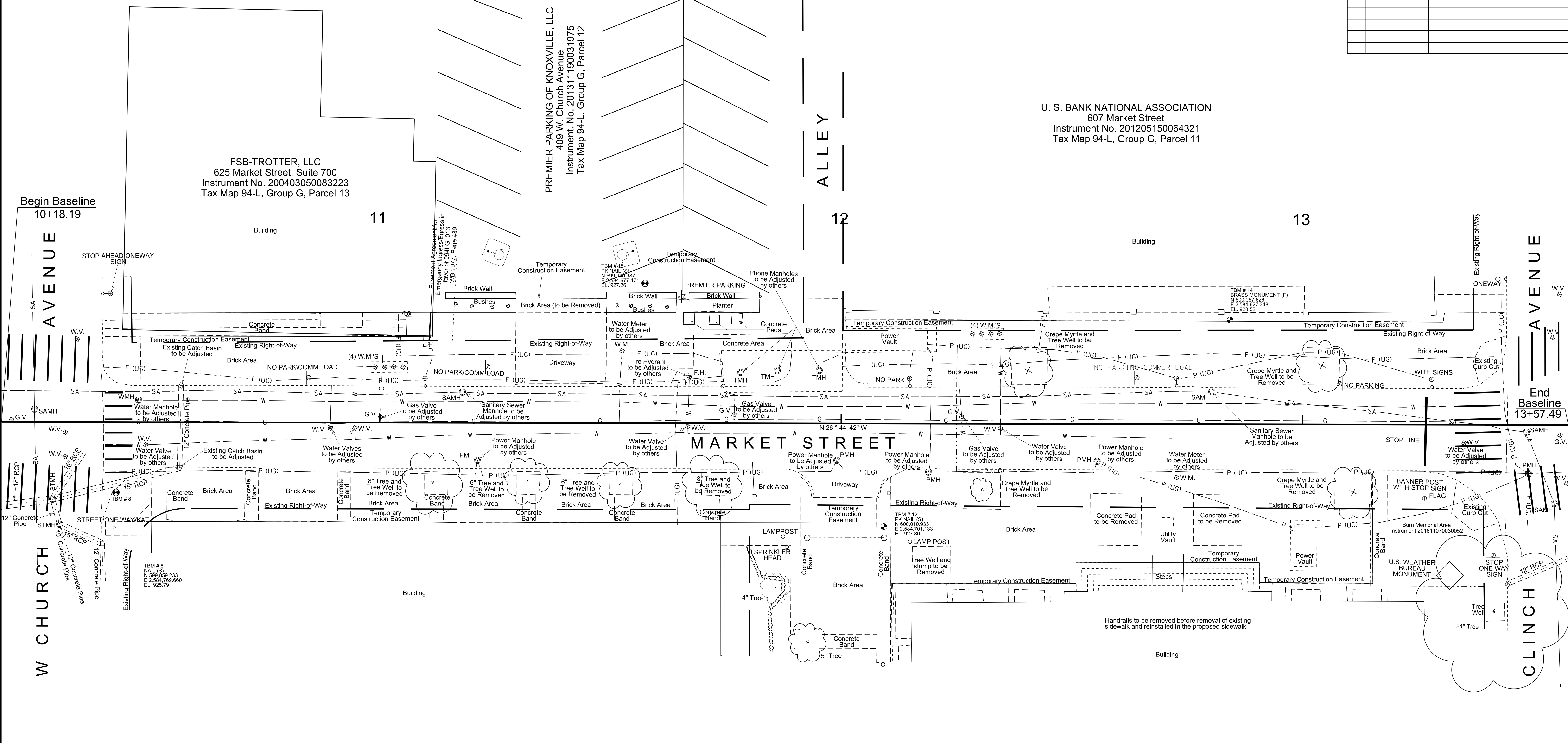


GRID NORTH OF THE TENNESSEE COORDINATE SYSTEM OF NAD 83 (NSRS2007) BASED ON A BEARING OF N 11° 22' 09" W FROM CITY OF KNOXVILLE SURVEY CONTROL STATION No. 0311 TO STATION No. 0565.

(Coordinates listed hereon are project datum adjusted and are not Tennessee grid coordinates.) (Distances have not been reduced to grid distances.)



PROJECT No.	YEAR	SHEET No.	
17A-R-0625	2017	5	
REVISIONS			
No.	DATE	BY	BRIEF DESCRIPTION



ONE CENTRE SQUARE GROUP, LLC  
 620 Market Street  
 Instrument No. 201503190050126  
 Tax Map 095-I, Group E, Parcel 6.01

# PRELIMINARY

KNOX COUNTY, TENNESSEE  
 600 Market Street  
 Instrument No. 200111130037830  
 Tax Map 95-I, Group E, Parcel 1

ACQUISITION TABLE				
Tax Map - Parcel	Name	Type	*To Be Acquired	** INSTRUMENT No.
094LG-011	U.S. Bank National Association	TCE	284 Sq. Ft.	---
094LG-012	Premier Parking of Knoxville, LLC	TCE	564 Sq. Ft.	---
094LG-013	FSB-Trotter, LLC	TCE	75 Sq. Ft.	---
095IE-001	Knox County	TCE	1,657 Sq. Ft.	---
095IE-006.01	One Centre Square Group, LLC	TCE	359 Sq. Ft.	---

\*TCE = Temporary Construction Easement  
 \*\* Recorded in the Knox County Register of Deeds Office

Location of all underground utilities shown hereon are approximate and are based on field location of visible structures such as catch basins, manholes, water gates, etc. and compiling information from utility company plans. The utilities shown hereon may not comprise all of the existing utilities in this area, either in service or abandoned. In accordance with the Underground Utility Damage Prevention Act, prior to any excavation work call Tennessee One Call System, Inc. at 1-800-351-1111.

<b>CITY OF KNOXVILLE</b> DEPARTMENT OF ENGINEERING	DRAWN: R.W. DESIGNED: K.M. DATE: --2018 CHECKED: R.T. APPROVED: T.C.
<b>PRESENT LAYOUT</b> 600 BLOCK OF MARKET STREET STA. 10+18.19 TO STA. 13+57.49 SCALE: 1" = 10'	

P:\04062 - Market Street Upgrade\Geopak\Present Layout.dgn - Defaul - RWebb 25-JUL-2018 09:06:15



GRID NORTH OF THE TENNESSEE COORDINATE SYSTEM OF NAD 83 (NSRS2007) BASED ON A BEARING OF N 11° 22' 08" W FROM CITY OF KNOXVILLE SURVEY CONTROL STATION No. 0311 TO STATION No. 0565.

(Coordinates listed hereon are project datum adjusted and are not Tennessee grid coordinates.) (Distances have not been reduced to grid distances.)

**FSB-TROTTER, LLC**  
625 Market Street, Suite 700  
Instrument No. 200403050083223  
Tax Map 94-L, Group G, Parcel 13

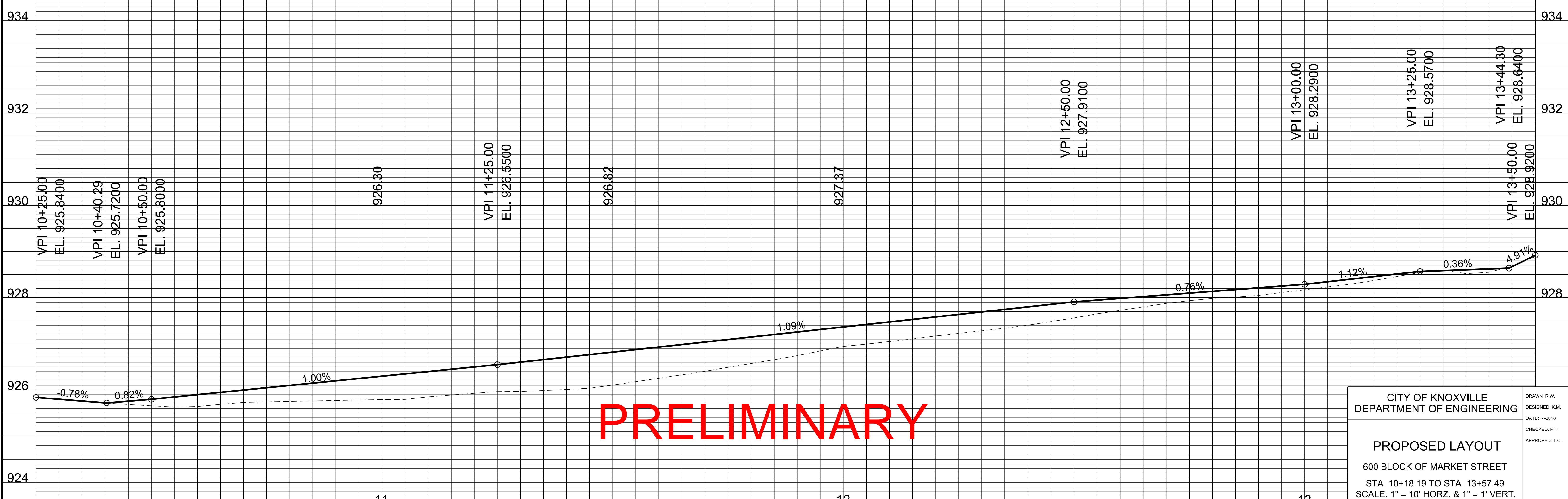
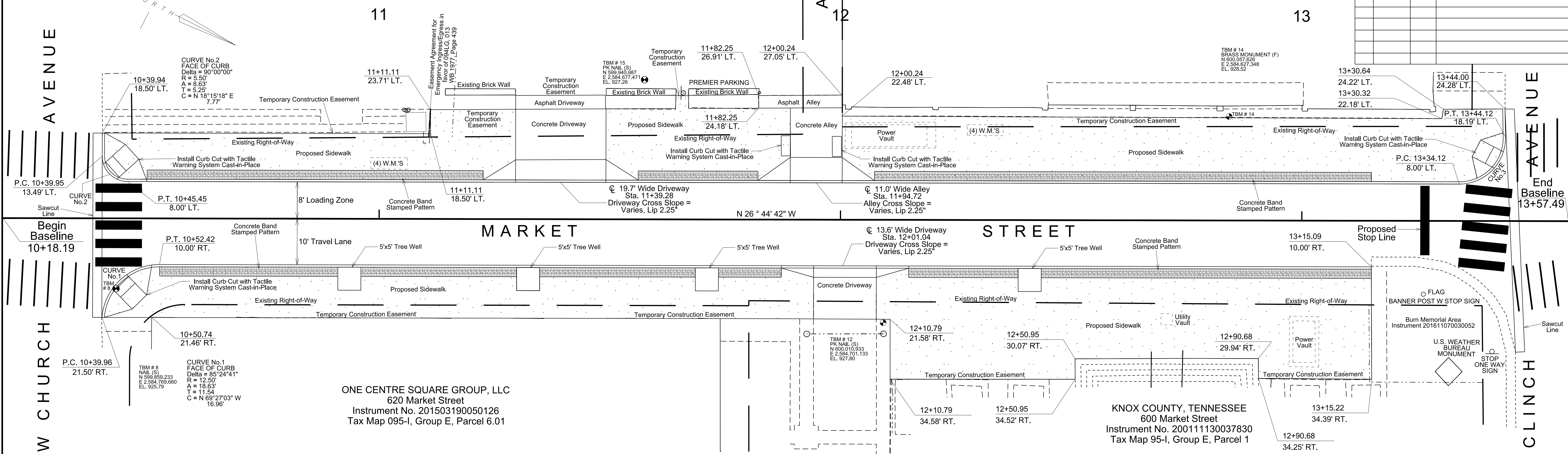
**PREMIER PARKING OF KNOXVILLE, LLC**  
409 W. Church Avenue  
Instrument No. 201311190031975  
Tax Map 94-L, Group G, Parcel 12

**U. S. BANK NATIONAL ASSOCIATION**  
607 Market Street  
Instrument No. 201205150064321  
Tax Map 94-L, Group G, Parcel 11

PROJECT No.	YEAR	SHEET No.
17A-R-0625	2017	6

REVISIONS			
No.	DATE	BY	BRIEF DESCRIPTION



**PRELIMINARY**

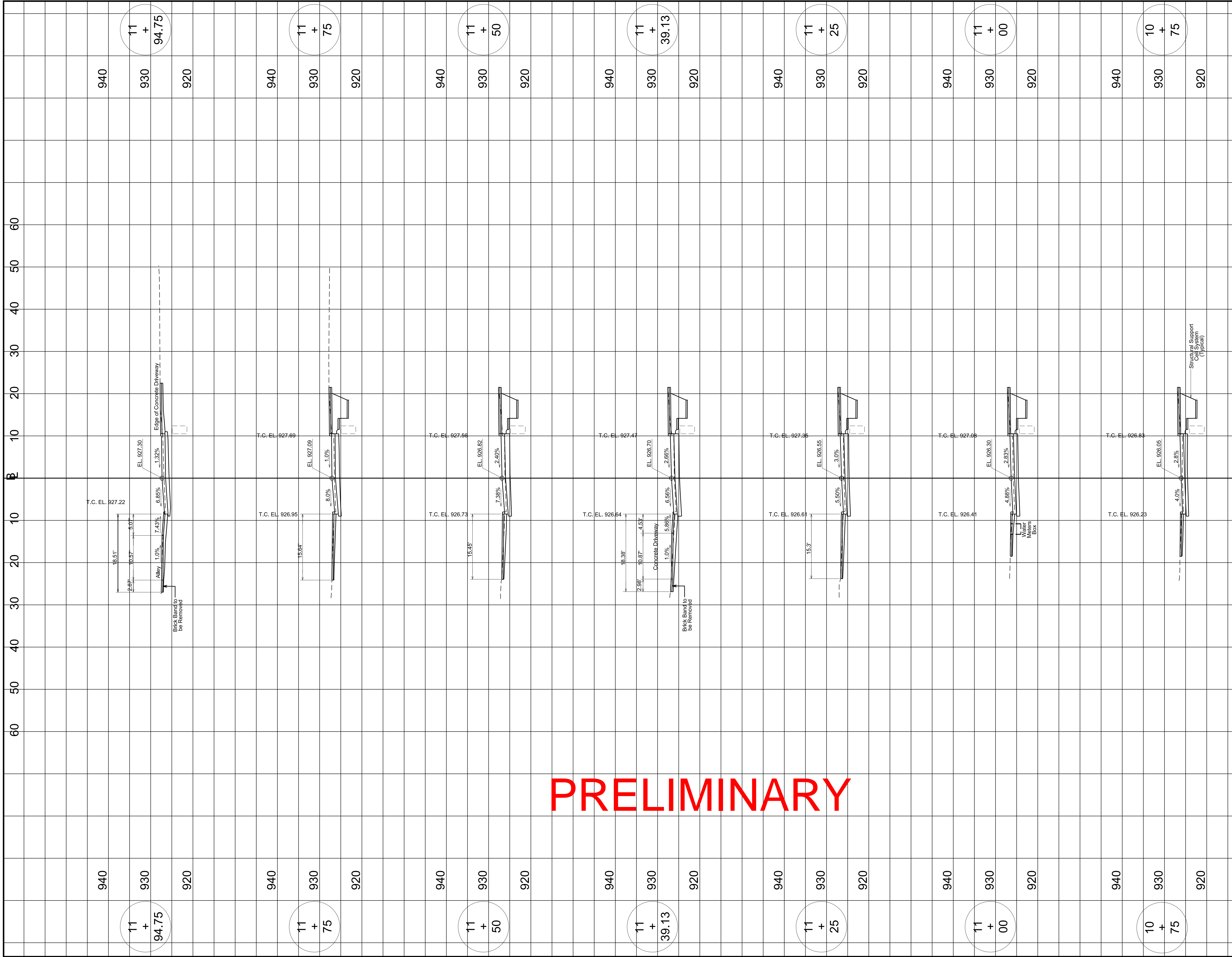
CITY OF KNOXVILLE  
DEPARTMENT OF ENGINEERING

**PROPOSED LAYOUT**  
600 BLOCK OF MARKET STREET  
STA. 10+18.19 TO STA. 13+57.49  
SCALE: 1" = 10' HORZ. & 1" = 1' VERT.

DRAWN: R.W.  
DESIGNED: K.M.  
DATE: --2018  
CHECKED: R.T.  
APPROVED: T.C.

P:\04062 - Market Street Upgrade\Geopak\Proposed Layout.dgn - Default - RWebb 25-JUL-2018 02:06:00 - Tables\T50\_block.dgn

PROJECT No.	17A-R-0625	YEAR	2017	SHEET No.	7
REVISIONS					
No.	DATE	BY	BRIEF DESCRIPTION		



PRELIMINARY

940	930	920	940	930	920	940	930	920	940	930	920	940	930	920	940	930	920
11 + 94.75	11 + 75	11 + 50	11 + 39.13	11 + 25	11 + 00	10 + 75	10 + 50	10 + 50	10 + 50	10 + 50	10 + 50	10 + 50	10 + 50	10 + 50	10 + 50	10 + 50	10 + 50

CITY OF KNOXVILLE  
DEPARTMENT OF ENGINEERING

**CROSS SECTIONS**

600 BLOCK MARKET STREET

STA. 10+50.00 TO STA. 11+94.75  
SCALE: 1" = 10'

DRAWN: R.W.	DESIGNED: K.M.
DATE: --2018	CHECKED: R.T.
APPROVED: T.C.	

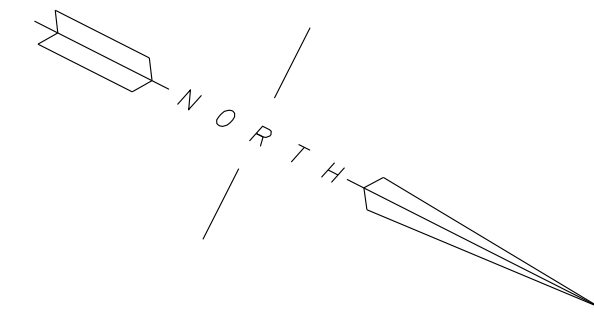






GRID NORTH OF THE TENNESSEE  
COORDINATE SYSTEM OF NAD 83 (NSRS2007)  
BASED ON A BEARING OF N 11° 22' 09" W  
FROM CITY OF KNOXVILLE SURVEY  
CONTROL STATION No. 0311 TO STATION  
No. 0565.

(Coordinates listed hereon are  
project datum adjusted and are  
not Tennessee grid coordinates.)  
(Distances have not been reduced  
to grid distances.)



LUMINAIRE SCHEDULE					
QUANTITY	DESCRIPTION	CATALOG NUMBER	WATTAGE	IES FILE	LLF
9	HOLOPHANE WASHINGTON POSTLITE LED 2	WAUE2P3040KASBK5BK4HNL1X1-MOD RFD228936	60	WAUE2_P30_40K_AS_5.ies	0.9

ILLUMINATION RESULTS					
SECTION	AVG.	MAX.	MIN.	MAX/MIN	AVG/MIN
EAST SIDEWALK	1.1 fc	1.4 fc	0.7 fc	2.0 : 1	1.5 : 1
MARKET STREET	1.1 fc	1.5 fc	0.7 fc	2.1 : 1	1.6 : 1
WEST SIDEWALK	1.0 fc	1.4 fc	0.5 fc	2.8 : 1	2.0 : 1

ILLUMINATION RESULTS BASED ON LUMINAIRES SPECIFIED IN LUMINAIRE SCHEDULE.

PROJECT No.	YEAR	SHEET No.	
17A-R-0625	2018	9	
REVISIONS			
No.	DATE	BY	BRIEF DESCRIPTION

AVENUE

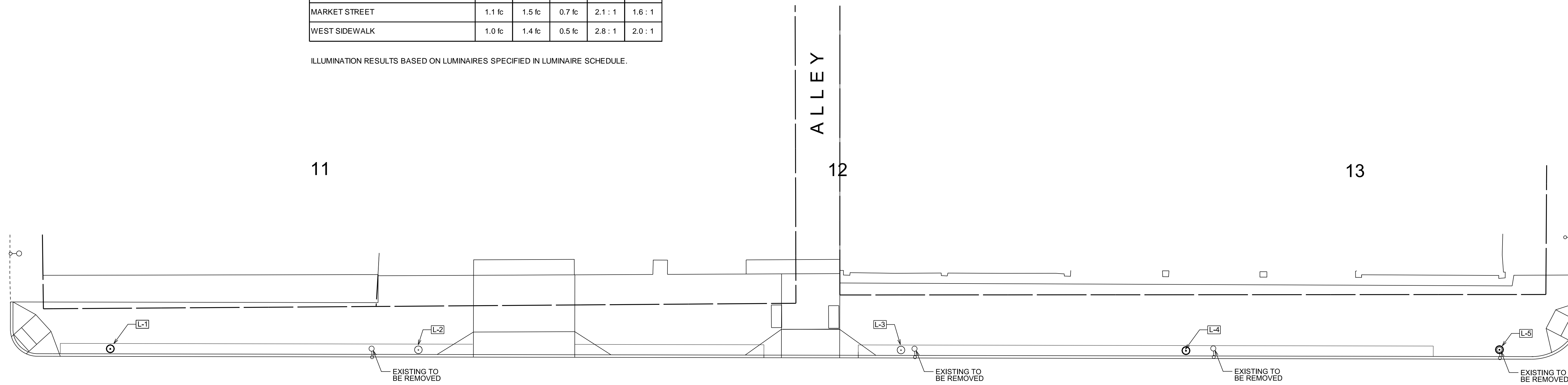
11

ALLEY

12

13

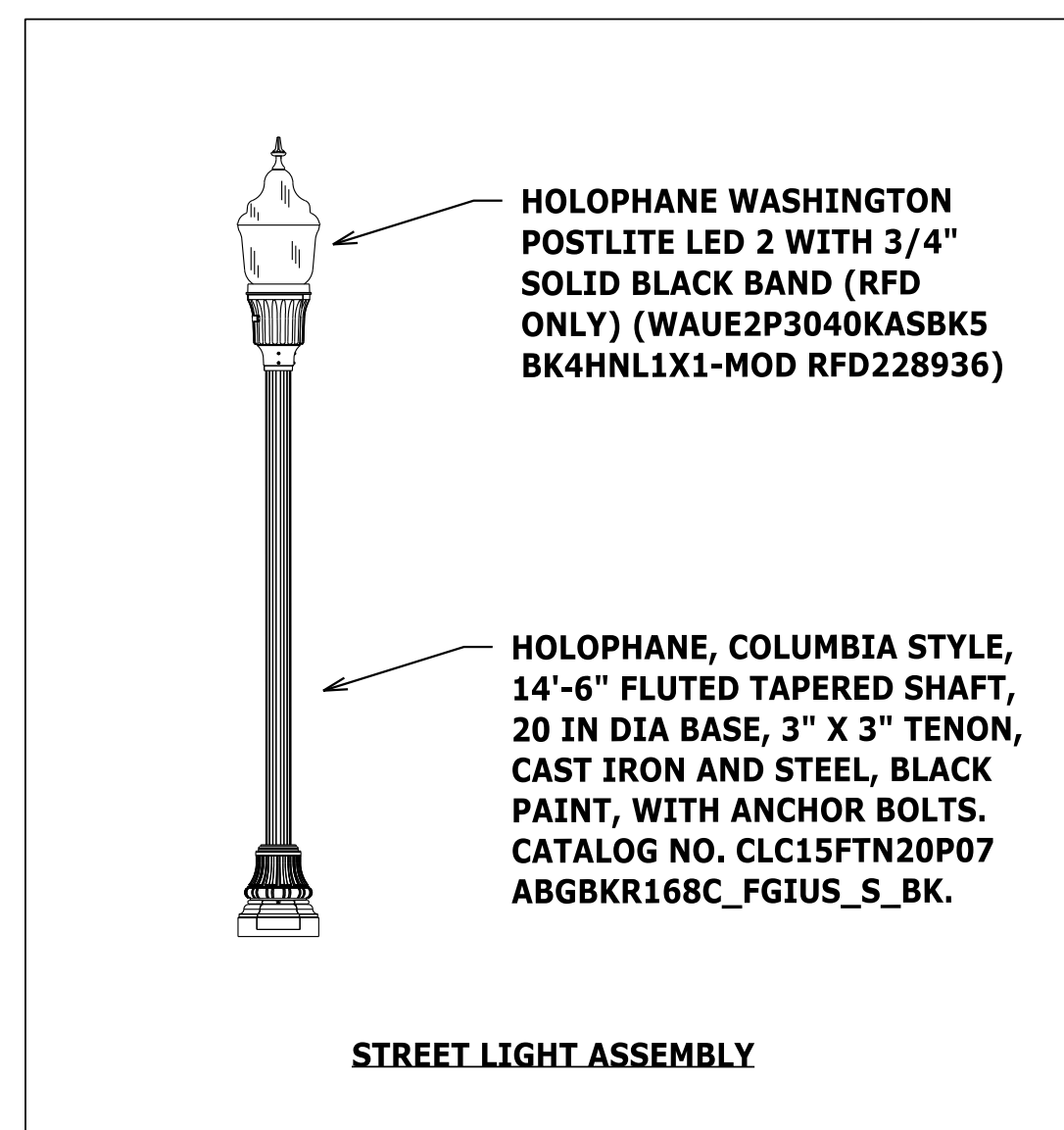
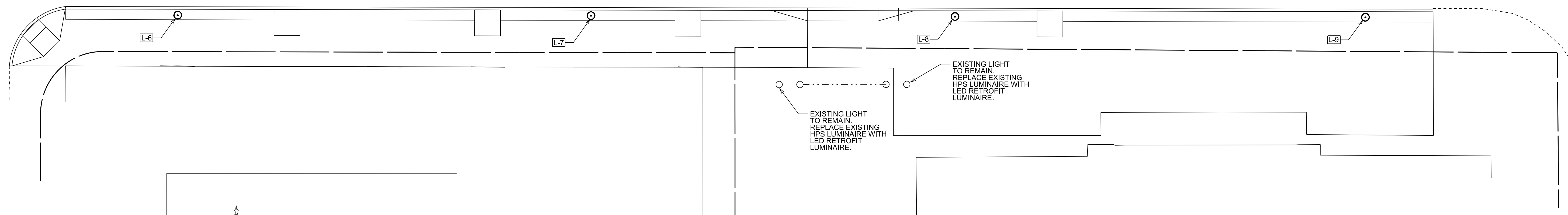
AVENUE



MARKET STREET

W CHURCH

CLINCH



STREET LIGHT ASSEMBLY

LEGEND	
○	EXISTING
⊙	PROPOSED

PRELIMINARY

Location of all underground utilities shown hereon are approximate and are based on field location of visible structures such as catch basins, manholes, water gates, etc. and compiling information from utility company plans. The utilities shown hereon may not comprise all of the existing utilities in this area, either in service or abandoned. In accordance with the Underground Utility Damage Prevention Act, prior to any excavation work call Tennessee One Call System, Inc. at 1-800-351-1111.

CITY OF KNOXVILLE  
DEPARTMENT OF ENGINEERING

DRAWN: T.S.N.  
DATE: --2018  
CHECKED: R.C.B.

PROPOSED LIGHTING  
600 BLOCK OF MARKET STREET  
STA. 10+18.19 TO STA. 13+57.49  
SCALE: 1" = 10'

17A-R-0625-09.dwg

GRID NORTH OF THE TENNESSEE COORDINATE SYSTEM OF NAD 83 (NSRS2007) BASED ON A BEARING OF N 11° 22' 08" W FROM CITY OF KNOXVILLE SURVEY CONTROL STATION No. 0311 TO STATION No. 0955.

(Coordinates listed hereon are project datum adjusted and are not Tennessee grid coordinates.)

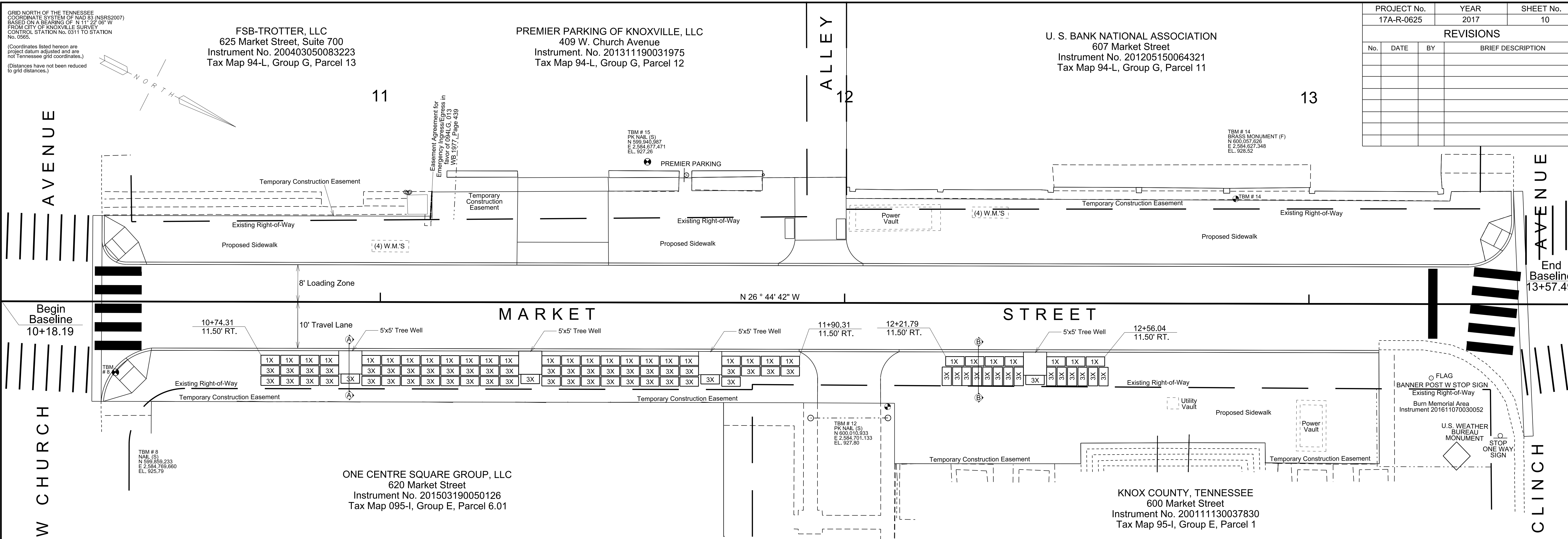
(Distances have not been reduced to grid distances.)

**FSB-TROTTER, LLC**  
625 Market Street, Suite 700  
Instrument No. 200403050083223  
Tax Map 94-L, Group G, Parcel 13

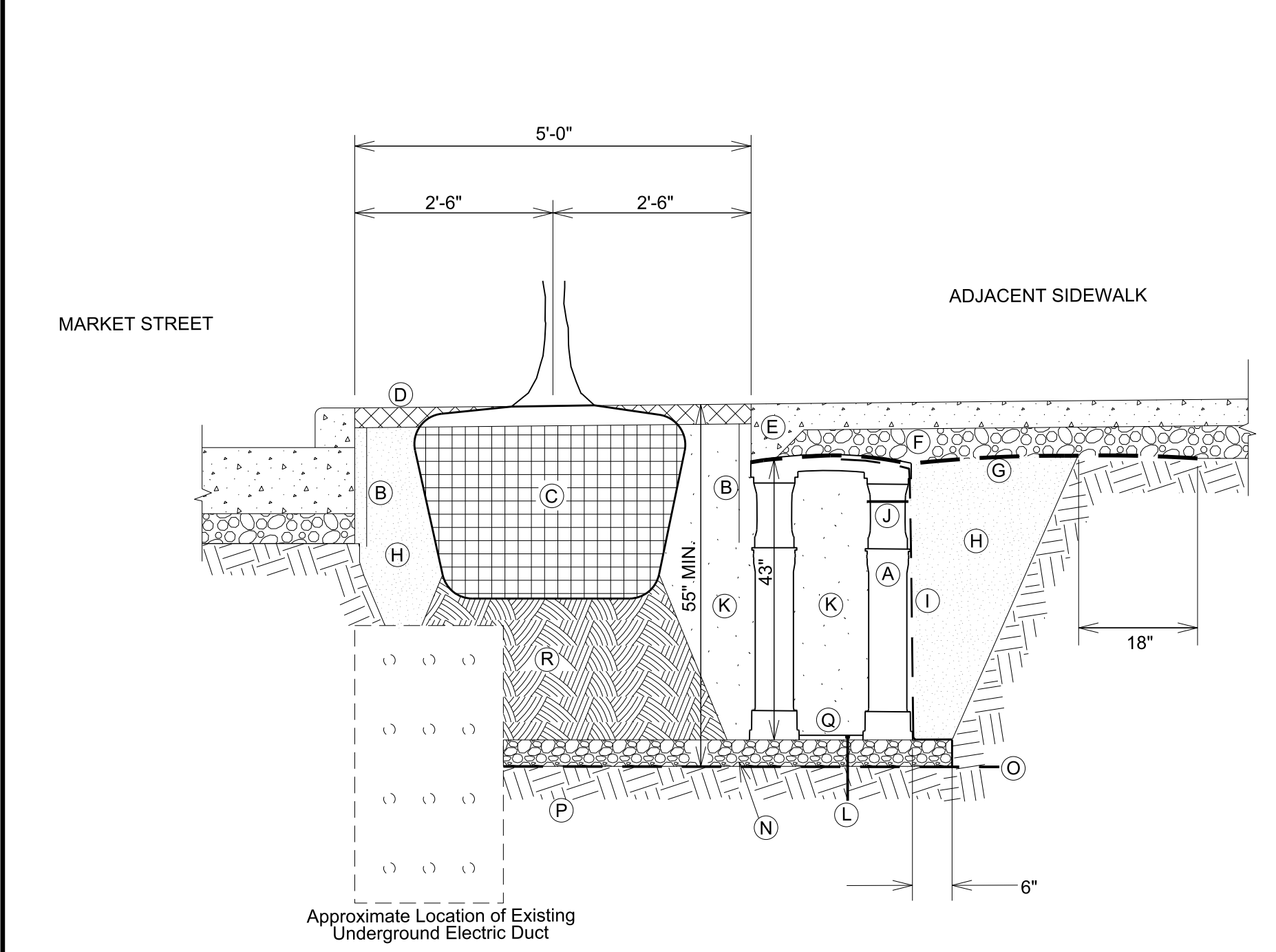
**PREMIER PARKING OF KNOXVILLE, LLC**  
409 W. Church Avenue  
Instrument No. 201311190031975  
Tax Map 94-L, Group G, Parcel 12

**U. S. BANK NATIONAL ASSOCIATION**  
607 Market Street  
Instrument No. 201205150064321  
Tax Map 94-L, Group G, Parcel 11

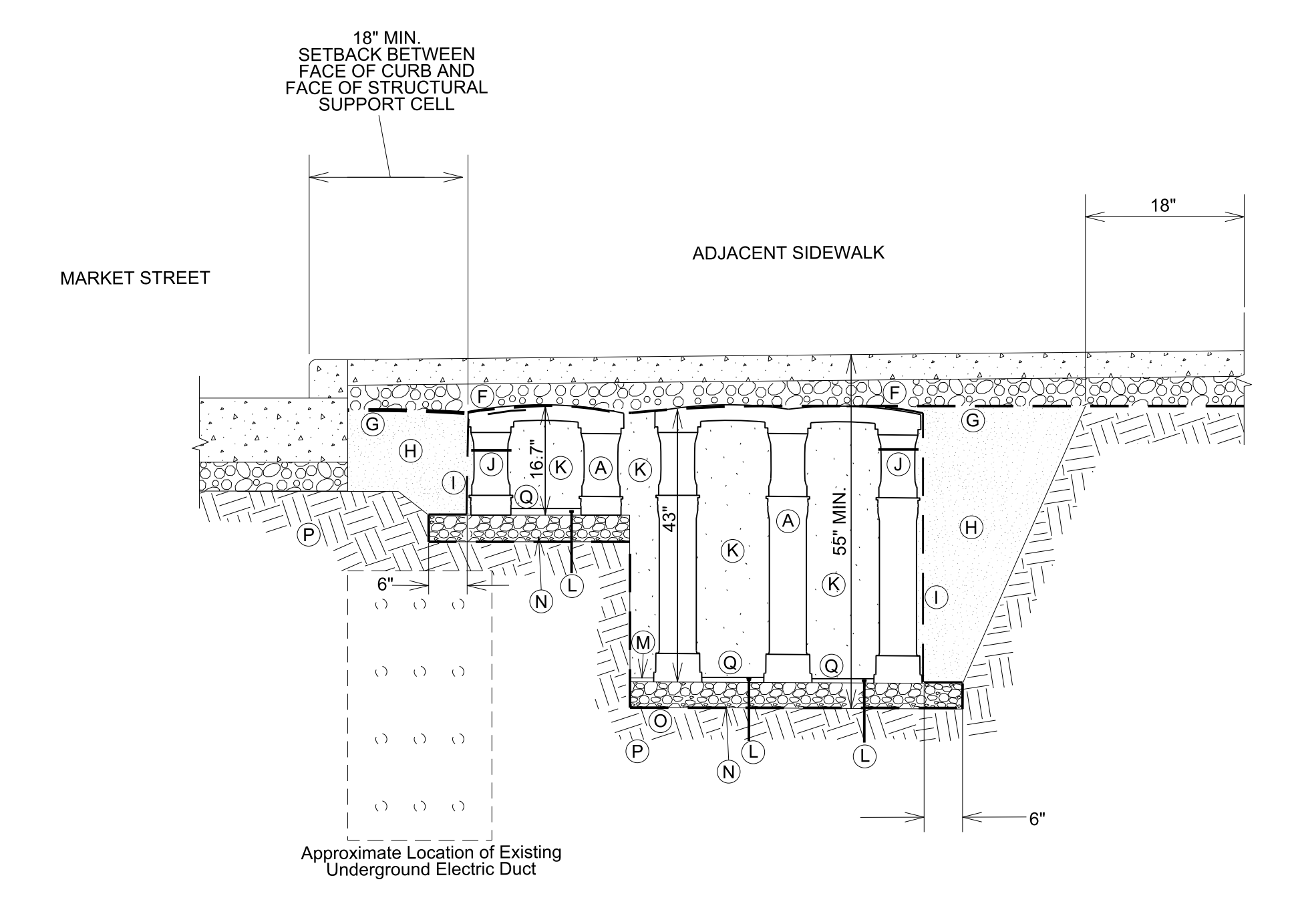
PROJECT No.	YEAR	SHEET No.	
17A-R-0625	2017	10	
REVISIONS			
No.	DATE	BY	BRIEF DESCRIPTION



# PRELIMINARY



**SECTION A - A**



**SECTION B - B**

- PLAN KEY**
- (A) STRUCTURAL SUPPORT CELL SYSTEM (DECK, BASE, AND POSTS)
  - (B) 18" ROOT BARRIER. INSTALL DIRECTLY ADJACENT TO CONCRETE CURB AND TURNDOWN.
  - (C) TREE ROOTBALL
  - (D) 3" HARDWOOD MULCH, PLACED IN TREE OPENING.
  - (E) 4" MIN C.I.P. CONCRETE PAVING, TURN DOWN TO DECK AT TREE OPENING
  - (F) 4" MIN AGGREGATE BASE COURSE
  - (G) GEOTEXTILE FILTER FABRIC 18" MIN OVERLAP PAST EXCAVATION
  - (H) BACKFILL, PER PROJECT SPECIFICATIONS
  - (I) GEOGRID TO LINE PERIMETER OF SYSTEM WITH 6" TOE (OUTWARD FROM BASE) AND 12" EXCESS (OVER TOP OF DECK)
  - (J) CABLE TIE, ATTACHING GEOGRID TO STRUCTURAL SUPPORT CELL AT BASE OF UPPER LEG FLARE
  - (K) PLANTING SOIL, COMPACTED TO 70-80% PROCTOR
  - (L) PIN, PER STRUCTURAL SUPPORT CELL SPECIFICATIONS
  - (M) 3" MAX SPACING BETWEEN STRUCTURAL SUPPORT CELLS AT BASE
  - (N) 4" MIN AGGREGATE SUB BASE, COMPACTED TO 95% PROCTOR
  - (O) GEOTEXTILE FILTER FABRIC, PLACED BELOW AGGREGATE SUB BASE
  - (P) SUBGRADE, COMPACTED TO 95% PROCTOR
  - (Q) STRUCTURAL SUPPORT CELL BASE SLOPE, 7% MAX
  - (R) PLANTING SOIL BELOW TREE ROOTBALL, COMPACTED TO 85-90% PROCTOR

- NOTES:**
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  2. NO MATERIAL SHALL BE INSTALLED WITHOUT APPROVAL BY THE ENGINEER.
  3. PROJECT CONDITIONS VARY, VERIFY INSTALLATION WITH THE ENGINEER.

**CITY OF KNOXVILLE  
DEPARTMENT OF ENGINEERING**

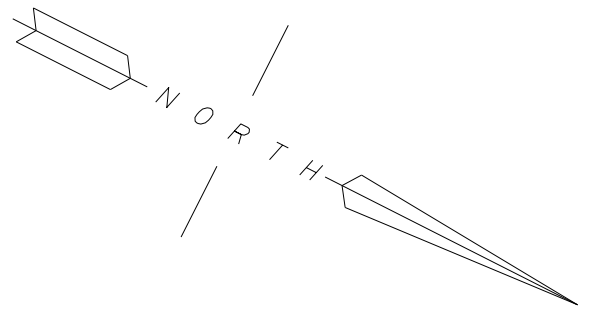
**STRUCTURAL  
SUPPORT CELLS  
LAYOUT AND DETAILS**  
600 BLOCK OF MARKET STREET  
STA. 10+18.19 TO STA. 13+57.49  
SCALE: 1" = 10'

DRAWN: R.W.  
DESIGNED: K.M.  
DATE: -2018  
CHECKED: R.T.  
APPROVED: T.C.

P:\04062 - Market Street Upgrade\Geopak\Proposed Layout\StructuralSupport - Details\lgpn-Default- R100b - 14-MAR-2018 01:40:11\tables\750\_black.dgn



GRID NORTH OF THE TENNESSEE  
 COORDINATE SYSTEM OF NAD 83 (NSRS2007)  
 BASED ON A BEARING OF N 11° 22' 05" W  
 FROM CITY OF KNOXVILLE SURVEY  
 CONTROL STATION No. 0311 TO STATION  
 No. 0565.  
 (Coordinates listed hereon are  
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 (Distances have not been reduced  
 to grid distances.)



**FSB-TROTTER, LLC**  
 625 Market Street, Suite 700  
 Instrument No. 200403050083223  
 Tax Map 94-L, Group G, Parcel 13

**PREMIER PARKING OF KNOXVILLE, LLC**  
 409 W. Church Avenue  
 Instrument No. 2013111900031975  
 Tax Map 94-L, Group G, Parcel 12

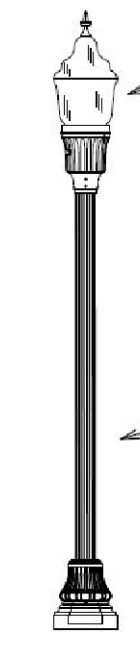
**U. S. BANK NATIONAL ASSOCIATION**  
 607 Market Street  
 Instrument No. 201205150064321  
 Tax Map 94-L, Group G, Parcel 11

**ONE CENTRE SQUARE GROUP, LLC**  
 620 Market Street  
 Instrument No. 201503190050126  
 Tax Map 095-I, Group E, Parcel 6.01

**KNOX COUNTY, TENNESSEE**  
 600 Market Street  
 Instrument No. 200111130037830  
 Tax Map 95-I, Group E, Parcel 1

**CITY OF KNOXVILLE  
 DEPARTMENT OF ENGINEERING**

**MARKET STREET**  
 SCALE: 1" = 10'



**HOLOPHANE WASHINGTON  
 POSTLITE LED 2 WITH 3/4"  
 SOLID BLACK BAND (RFD  
 ONLY) (WALUEZP3040KASBK5  
 BK4HML1X1-MOD RFD228936)**

**HOLOPHANE, COLUMBIA STYLE,  
 14'-6" FLUTED TAPERED SHAFT,  
 20 IN DIA BASE, 3" X 3" TENON,  
 CAST IRON AND STEEL, BLACK  
 PAINT, WITH ANCHOR BOLTS.  
 CATALOG NO. CLC15FTN20P07  
 ABGBKR168C\_FGIUS\_S\_BK.**

**STREET LIGHT ASSEMBLY**

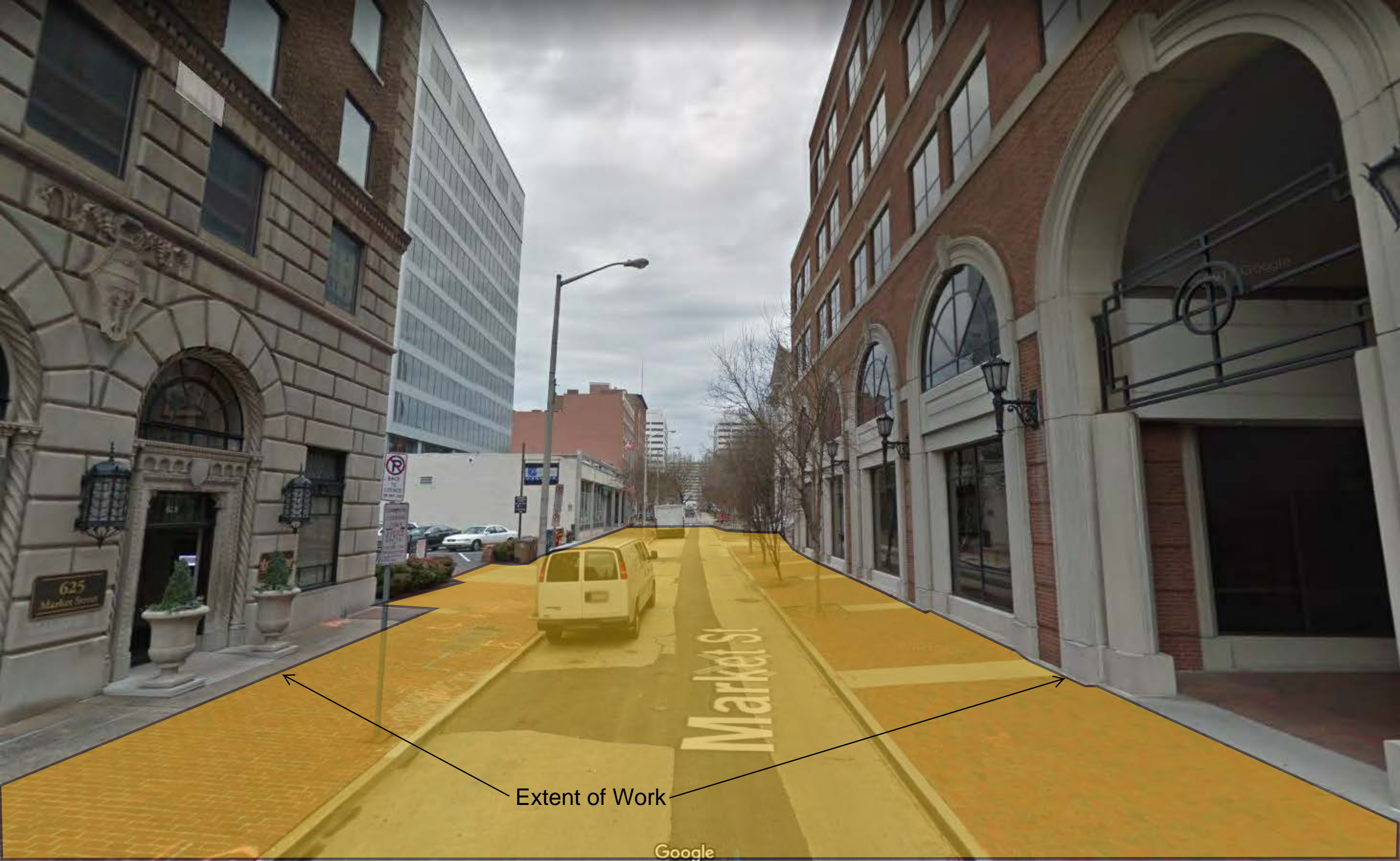
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Extent of Work





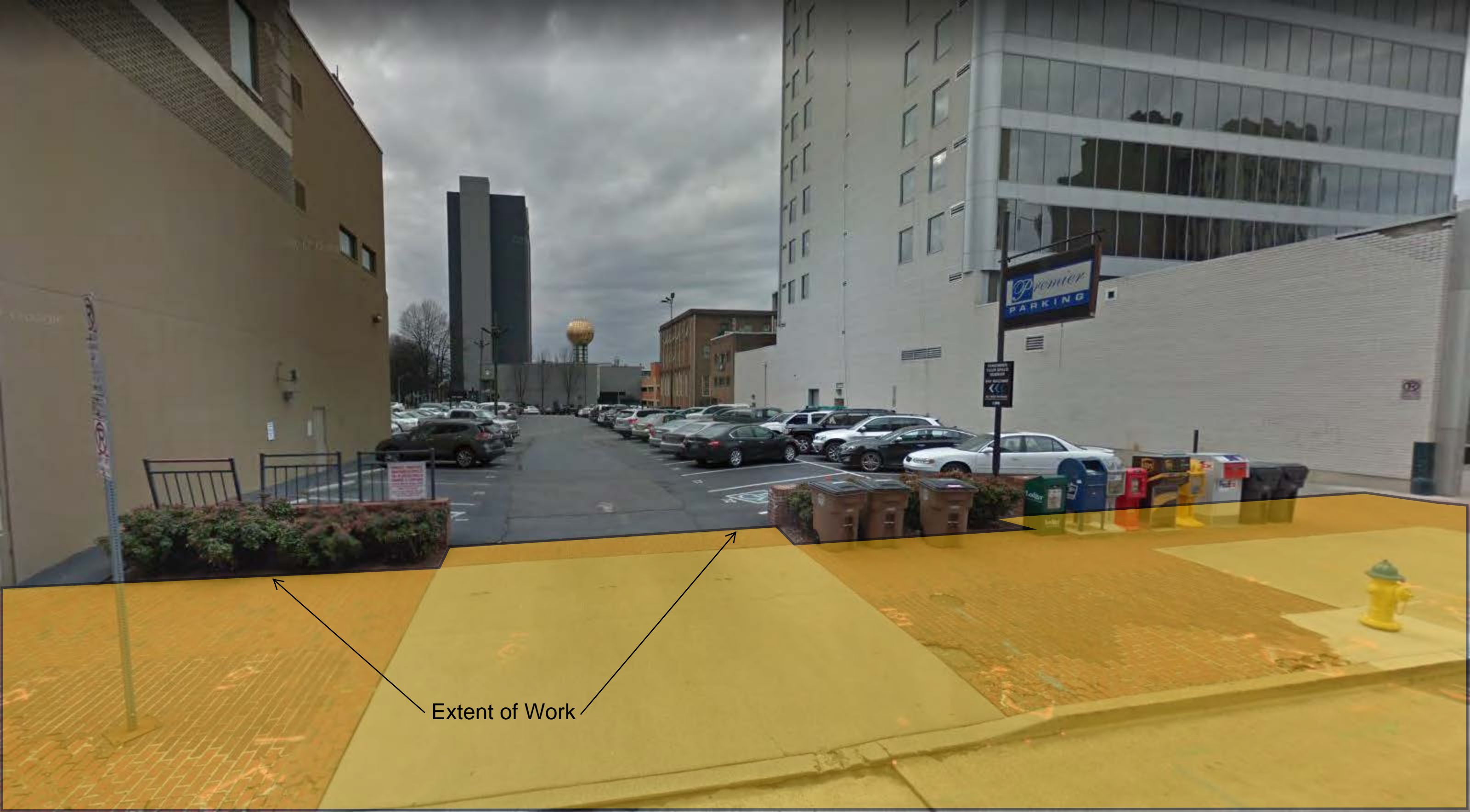
625  
Market Street

Market St

Extent of Work

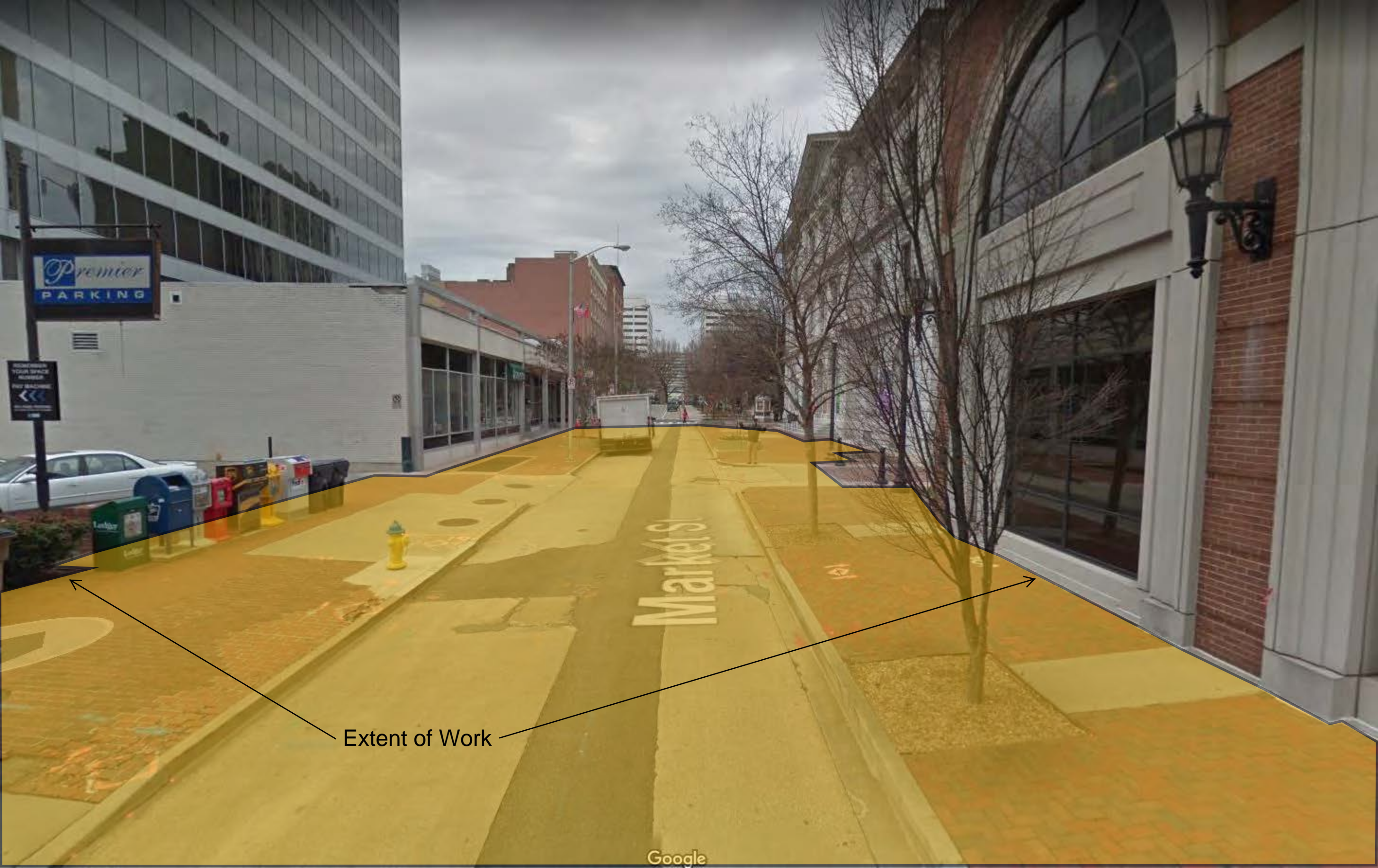
Google





Extent of Work





Premier  
PARKING

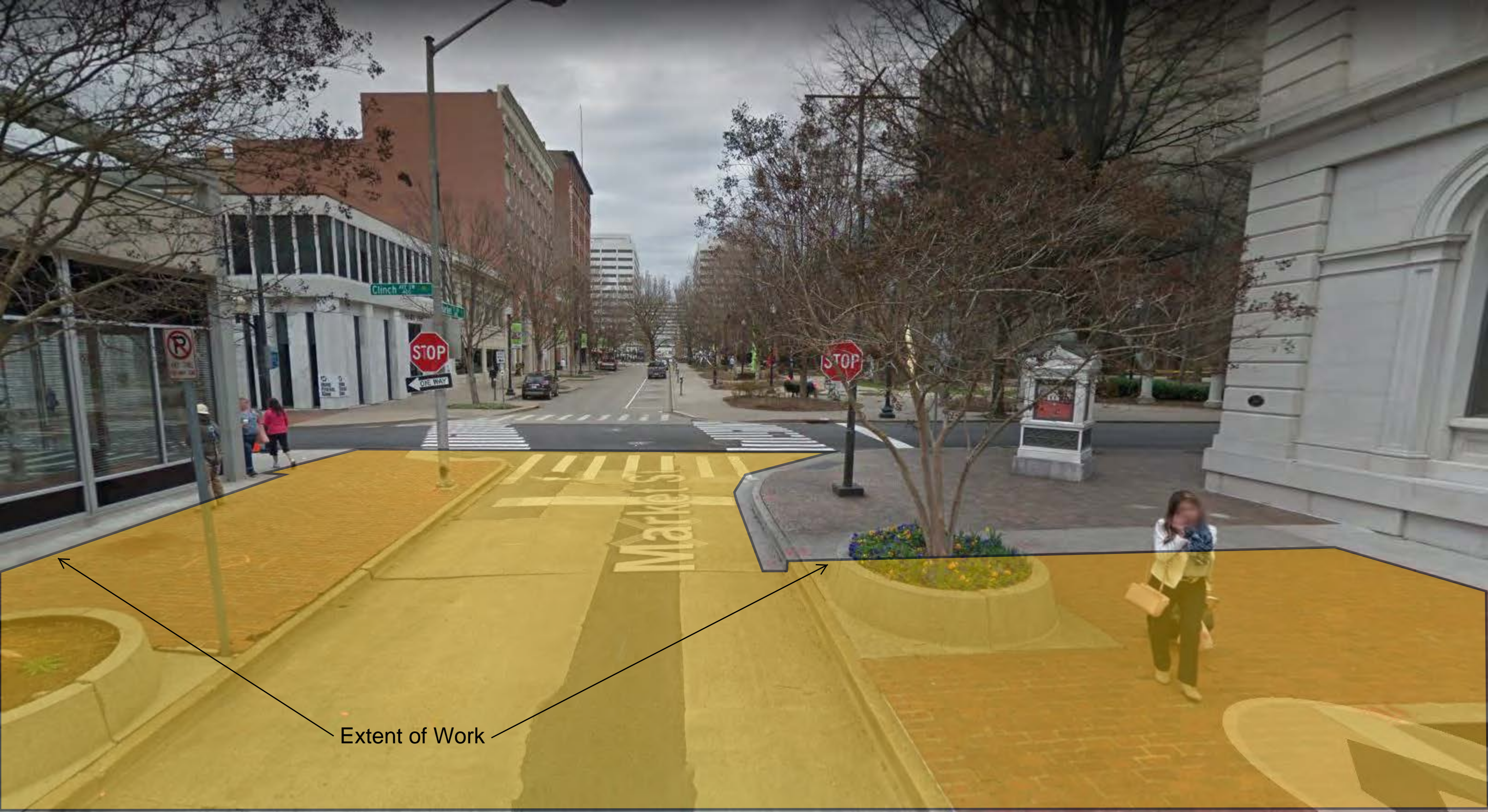
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Extent of Work









Extent of Work





Extent of Work

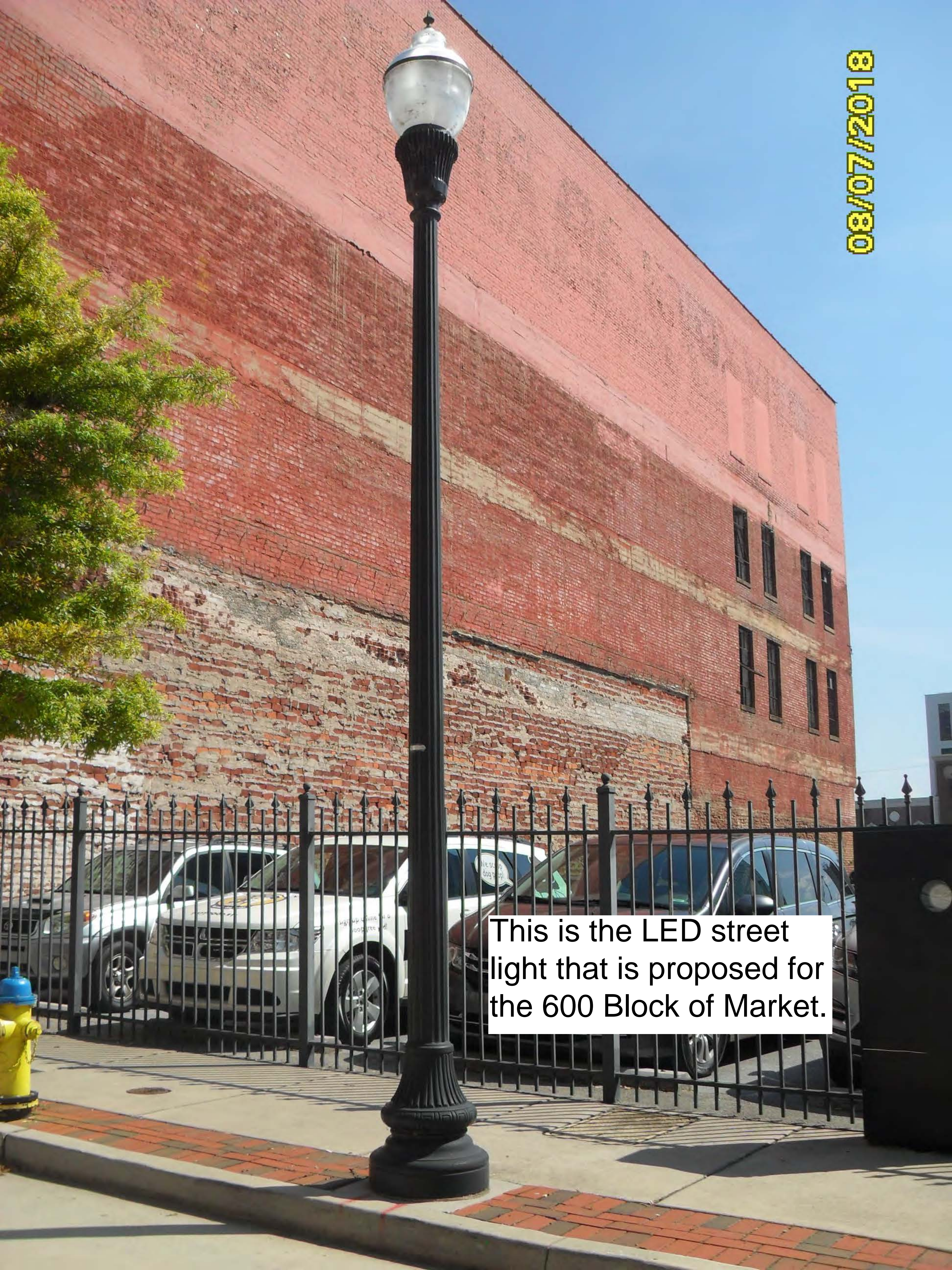
Extent of Work

08/07/2018



08/07/2018

This is the LED street light that is proposed for the 600 Block of Market.







This is the LED street light that is proposed for the 600 Block of Market.

08/07/2018



This is the pattern and color that will be closely matched within the proposed stamped concrete band for the 600 Block of Market.



08/07/2018



08/07/2018

Example of Maintenance Issues with Brick in the 700 Block of Market





08/07/2018

**Example of Maintenance Issues with Brick in the 700 Block of Market**





08/07/2018

Example of Maintenance Issues with Brick in the 700 Block of Market

