



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

Downtown Knoxville Design Overlay District Certificate of Appropriateness

Name of Applicant: CITY OF KNOXVILLE

Owner Contractor Architect Engineer Other _____

Date Filed: 2-16-16 Application accepted by: W. Lee Reynolds

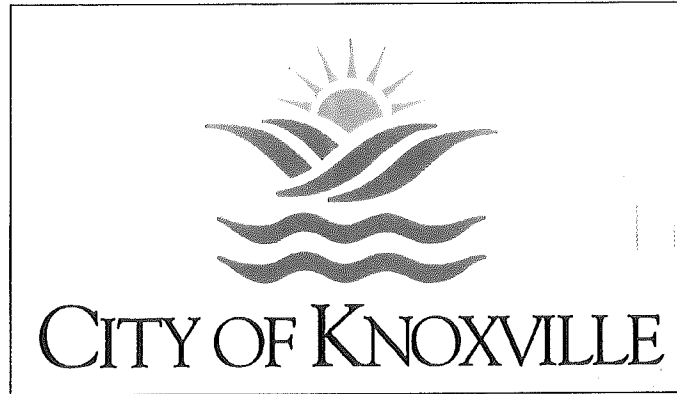
Fee Amount: 0.00 Review Date: 3/16/16 File Number: 3-B-16-DT

PRE-APPLICATION CONFERENCE		Date Completed: _____
<p style="text-align: center;">PROPERTY INFORMATION</p> <p>Building or Project Name: _____ <u>OLD CITY Streetscape - PHASE ONE</u></p> <p>Street Address: _____</p> <p>Parcel Identification Number(s): _____</p>	<p style="text-align: center;">PROJECT ARCHITECT/ENGINEER</p> <p>PLEASE PRINT Name: <u>SHAWN FITZPATRICK</u></p> <p>Company: <u>CITY OF KNOXVILLE</u></p> <p>Address: <u>400 MAIN STREET</u></p> <p>City: <u>KNOXVILLE</u> State: <u>TN</u> Zip: <u>37901</u></p> <p>Telephone: <u>865-215-6131</u></p> <p>Fax: _____</p> <p>E-mail: <u>S.FITZPATRICK@KNOXVILLE.TN.GOV</u></p>	
<p style="text-align: center;">PROPERTY OWNER</p> <p>PLEASE PRINT Name: <u>CITY OF KNOXVILLE</u></p> <p>Company: _____</p> <p>Address: _____</p> <p>City: _____ State: _____ Zip: _____</p> <p>Telephone: _____</p> <p>Fax: _____</p> <p>E-mail: _____</p>	<p style="text-align: center;">PROJECT CONTRACTOR</p> <p>PLEASE PRINT Name: _____</p> <p>Company: _____</p> <p>Address: _____</p> <p>City: _____ State: _____ Zip: _____</p> <p>Telephone: _____</p> <p>Fax: _____</p> <p>E-mail: _____</p>	
<p style="text-align: center;">ACCOMPANYING MATERIALS</p> <p>Please see the reverse side of this form for a list of information required as part of this application.</p>		
FOR OFFICE USE ONLY		
<p style="text-align: center;">PROJECT INFORMATION</p> <p>LEVEL 1: \$50 <input checked="" type="checkbox"/> Minor Alteration of an Existing Building/Structure <input type="checkbox"/> Sign</p> <p>LEVEL 2: \$100 <input type="checkbox"/> Major Alteration of an Existing Building/Structure <input type="checkbox"/> Addition to an Existing Building/Structure</p> <p>LEVEL 3: \$250 <input type="checkbox"/> Construction of New Building/Structure</p>	<p style="text-align: center;">PROJECT CONTACT</p> <p>All application-related correspondence should be directed to:</p> <p>PLEASE PRINT Name: <u>RICK EMMETT</u></p> <p>Company: <u>CITY OF KNOXVILLE</u></p> <p>Address: <u>400 MAIN STREET</u></p> <p>City: <u>KNOXVILLE</u> State: <u>TN</u> Zip: <u>37901</u></p> <p>Telephone: <u>865-215-3837</u></p> <p>Fax: _____</p> <p>E-mail: <u>remmett@KNOXVILLE.TN.GOV</u></p>	

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

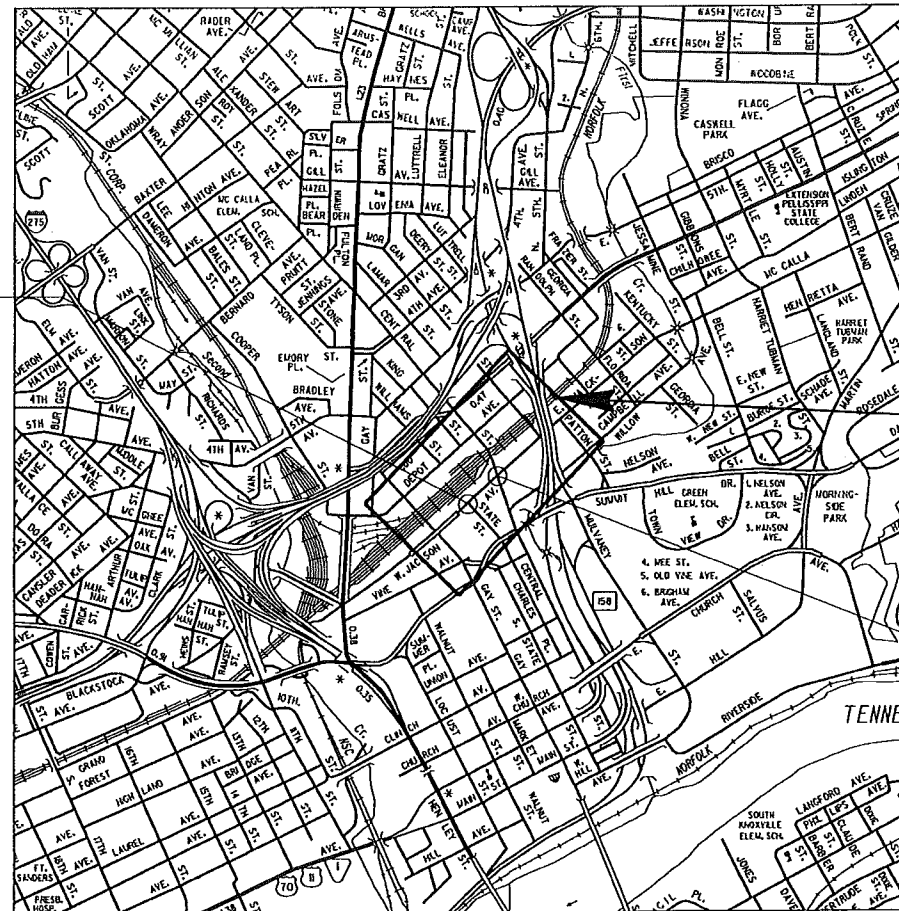
INDEX OF SHEETS

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MADELINE ROGERO, MAYOR

**OLD CITY STREETScape - SOUTH SIDE OF W JACKSON AVENUE
 FROM STATE STREET TO CENTRAL STREET**



BEGIN PROJECT 16A-S-0601
 STA. 11+28.83 JACKSON AVE.

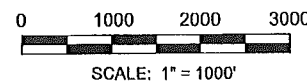
PROJECT SITE

END PROJECT 16A-S-0601
 STA. 15+333.44 JACKSON AVE.

NO EXCLUSIONS
 NO EQUATIONS

SPECIAL NOTES

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE CITY OF KNOXVILLE AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.



SEALED BY

SHEET No. 1

OLD CITY STREETScape - SOUTH SIDE OF W JACKSON AVENUE

2/5/2016 11:18:17 PM M:\Knoxville\16A-S-0601\16A-S-0601_Sheet_001.dwg

DESIGNED BY CDM SMITH
 DESIGNER KASSIE HOLMES, P.E.
 CHECKED BY JEFF MIZE, P.E.

OLD CITY STREETScape - SOUTH SIDE OF W JACKSON AVENUE
 PROJECT DESCRIPTION: SIDEWALK WIDENING, DRAINAGE, AND LIGHTING FROM
 STATE STREET TO CENTRAL STREET.
 ROADWAY LENGTH 0.077 MILES
 CITY BLOCKS:
 PROJECT NUMBER: 16A-S-0601

CITY OF KNOXVILLE
 DEPARTMENT OF ENGINEERING
 1400 LORAIN STREET
 KNOXVILLE, TENNESSEE 37921

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	16A-S-0601	1A

OLD CITY STREETScape - SOUTH SIDE OF W JACKSON AVENUE
CITY OF KNOXVILLE

GENERAL NOTES

DRAINAGE

- (1) DURING MODIFICATION OF DRAINAGE STRUCTURES ALL COST ASSOCIATED WITH MAINTAINING THE FLOW OF WATER AND TRAFFIC, AT THESE STRUCTURES, DURING THE PHASED CONSTRUCTION OF THIS PROJECT ARE TO BE INCLUDED IN THE UNIT PRICE OF THE DRAINAGE STRUCTURE MODIFICATION AND TRAFFIC CONTROL ITEMS.

UTILITIES

- (1) THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY CONTACTING THE UTILITY COMPANIES INVOLVED. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC., AT 1-800-351-1111 AS REQUIRED BY TCA 65-31-106 WILL BE REQUIRED.
- (2) UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR ITS REPRESENTATIVE. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT. ON CONTRACTS WHERE CONSTRUCTION STAKES, LINES, AND GRADES ARE CONTRACT ITEMS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE RIGHT-OF-WAY OR SLOPE STAKES, DITCH OR STREAM BED GRADES, OR OTHER ESSENTIAL SURVEY STAKING TO PREVENT CONFLICTS WITH THE HIGHWAY CONSTRUCTION. FREQUENTLY, THIS WILL BE REQUIRED AS THE FIRST ITEM OF WORK AND AT ANY LOCATION ON THE PROJECT DIRECTED BY THE ENGINEER.
- (3) 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.
- (4) PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED 'AROUND' UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS.
- (5) 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 IN ACCORDANCE WITH TCA 65-31-106.

MISCELLANEOUS

- (6) NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS ALONG THE PROPOSED CONSTRUCTION AREA
- (7) PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL VERIFY SITE CONDITIONS, DIMENSIONS, ELEVATIONS, AND LOCATION OF EXISTING FEATURES AFFECTED BY THE WORK. THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IN WRITING OF ANY INTERFERENCES OR DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. WORK DONE AFTER SUCH DISCOVERY, UNTIL AUTHORIZED TO PROCEED IN WRITING, SHALL BE AT THE CONTRACTOR'S SOLE RISK.
- (8) ALL WORK SHALL COMPLY WITH APPLICABLE LOCAL, STATE, AND FEDERAL CODES. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY LICENSE AND PERMITS PRIOR TO BEGINNING CONSTRUCTION.
- (9) UNLESS OTHERWISE NOTED, THE DIMENSIONS IN THE PLANS ARE TAKEN FROM THE OUTSIDE FACE OF BUILDING AND OUTSIDE FACE OF CURB.
- (10) VERIFY FINISHED SUBGRADES TO ENSURE PROPER ELEVATION AND CONDITIONS FOR CONSTRUCTION ABOVE SUBGRADE.
- (11) ACCESS TO BUSINESSES SHALL BE MAINTAINED AT ALL TIMES.

DEMOLITION NOTES

- (1) SAW CUT AND REMOVE EXISTING SIDEWALK, CONCRETE CURB, AND PAVEMENT IN ORDER TO INSTALL THE NEW CONCRETE SIDEWALK.

DISPOSE OF SIDEWALK, CURB, AND PAVEMENT AS DIRECTED BY THE CITY OF KNOXVILLE.

- (2) SECTIONS OF EXISTING GRANITE CURB SHALL BE CAREFULLY REMOVED TO PREVENT DAMAGE. THE GRANITE CURB SHALL BECOME THE PROPERTY OF THE CITY OF KNOXVILLE AND SHALL BE STOCKPILED AT A LOCATION DESIGNATED BY THE ENGINEER FOR PICKUP BY THE CITY OF KNOXVILLE.
- (3) EXISTING LIGHT POLES WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND BECOME PROPERTY OF THE KNOXVILLE UTILITY BOARD. THE LIGHT POLES SHALL BE STOCKPILED AT A LOCATION DESIGNATED BY THE ENGINEER FOR PICKUP BY KUB.

SIDEWALKS

- (4) SIDEWALK RAMPS SHALL BE LOCATED AS INDICATED IN THE PLANS. THE COST OF CONSTRUCTING THE CONCRETE RAMP, INCLUDING THE TACTILE WARNING SYSTEM, SHALL BE INCLUDED IN THE UNIT PRICE OF CONCRETE SIDEWALK. THE COST OF LOWERED CURB SHALL BE INCLUDED IN THE UNIT PRICE OF CONCRETE CURB. SEE CITY OF KNOXVILLE STANDARD DRAWING COK-13, STANDARD DETAIL FOR CURB CUTS AND TACTILE WARNING SYSTEMS.

TRAFFIC CONTROL NOTES

- (5) ADVANCE WARNING SIGNS SHALL NOT BE DISPLAYED MORE THAN 48 HOURS BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGNS MAY BE ERECTED UP TO ONE WEEK BEFORE NEEDED IF THE SIGN FACE IS FULLY COVERED.
- (6) USE OF DRUMS SHALL BE LIMITED TO THE IMMEDIATE AREAS OF CONSTRUCTION WHERE A HAZARD IS PRESENT. THESE DEVICES SHALL BE REMOVED FROM THE CONSTRUCTION WORK ZONE WHEN THEY ARE NO LONGER NEEDED.
- (7) ALL CONSTRUCTION SIGNING SHALL BE IN STRICT ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

STANDARD DRAWINGS

CITY OF KNOXVILLE STANDARD DRAWINGS

DWG. NO.	DATE	DESCRIPTION
COK-5	03-22-01	STANDARD DETAIL FOR STORM PIPE BEDDING AND BACKFILL
COK-6	09-28-01	STANDARD DETAIL FOR CONCRETE SIDEWALKS
COK-13	09-09-04	STANDARD DETAIL FOR CURB CUTS AND TACTILE WARNING SYSTEMS

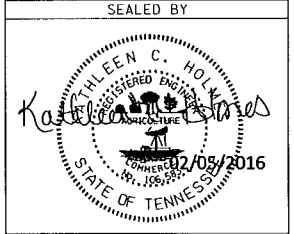
TENNESSEE DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS

DWG. NO.	DATE	DESCRIPTION
RD-L-1	10-26-94	STANDARD LEGEND
D-CBB-12A	05-27-01	TYPE "B" CAST IRON FRAME, GRATE & NONMOUNTABLE INLET DETAILS FOR NOS. 10, 12, 14, 16, AND 17 CATCH BASINS
RP-D-15	07-15-08	DETAILS OF STANDARD CONCRETE DRIVEWAY
RP-D-16	07-15-08	DETAILS OF LOWERED STANDARD CONCRETE DRIVEWAYS
RP-NMC-10	07-29-03	STANDARD VERTICAL (NONMOUNTABLE) CONCRETE CURBS AND CONCRETE CURBS AND GUTTERS
RP-S-7	06-14-13	DETAILS FOR STANDARD CONCRETE SIDEWALKS
RP-S-8	01-19-93	DETAILS FOR STANDARD CONCRETE STEPS AND PIPE HANDRAILS
T-WZ-41	04-02-12	LANE CLOSURE ON LOW-VOLUME 2-LANE HIGHWAY
T-WZ-55	06-30-14	SIDEWALK TRAFFIC CONTROL

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
1.10	MOBILIZATION OF FORCES, SUPPLIES, AND EQUIPMENT	LS	1
① 3.10	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
② 5.10	MINERAL AGGREGATE BASE	TON	167
9.20	BITUMINOUS PLANT MIX, GRADING B-M	TON	11
12.65	6" DETACHED CONCRETE CURB, TYPE A	LF	430
③ 13.10	CONCRETE SIDEWALKS	SF	4533
13.20	CONCRETE DRIVEWAYS	SF	1375
④ 13.30	CONCRETE STEPS	SF	20
⑤ 15.10	REINFORCED STRUCTURAL CONCRETE SLAB	SF	83
⑥ 20.10	SIDEWALK DRAINS	LF	24
23.20	ADJUSTING STORM SEWER, CATCH BASIN FRAMES	EACH	1
④ 34.10	CONSTRUCTION AREA TRAFFIC CONTROL	LS	1
⑦ 35.10	ROADWAY LIGHTING	LS	1
⑩ 63.10	SIGNAGE	LS	1
⑧ 64.10	HANDRAIL	LF	35

FOOTNOTES:

- ① INCLUDES REMOVAL OF EXISTING SIDEWALK, CURB, GRANITE CURB, AND PAVEMENT, AND SAW-CUTTING EXISTING PAVEMENT.
- ② QUANTITY INCLUDES BASE STONE UNDER NEW PAVEMENT ADJACENT TO CURB, STONE UNDER CURB, AND ANY ADDITIONAL STONE (BEYOND INITIAL 2") REQUIRED UNDER NEW SIDEWALK TO BRING UP THE NEW SUBGRADE ELEVATION.
- ③ ITEM INCLUDES COST OF MATERIALS AND INSTALLATION OF SIDEWALK RAMPS AND TACTILE WARNING SYSTEM. ITEM ALSO INCLUDES THE COST OF 2" OF BASE STONE UNDER NEW SIDEWALK. INCLUDES 135 SF FOR CONCRETE RAMP, RANGING IN DEPTH FROM 4" TO 9".
- ④ INCLUDES ALL SIGNING AND TRAFFIC CONTROL DEVICES.
- ⑤ INCLUDES ALL COSTS AND LABOR ASSOCIATED WITH THE CONSTRUCTION OF AND MATERIALS FOR THE STRUCTURAL SIDEWALK SLAB. SEE DETAIL SHEET 2A.
- ⑥ INCLUDES ALL COSTS ASSOCIATED WITH THE MATERIALS, LABOR, AND INSTALLATION OF SIDEWALK DRAINS.
- ⑦ INCLUDES ALL COSTS ASSOCIATED WITH MATERIALS, LABOR, AND INSTALLATION OF LIGHTING ITEMS. SEE SHEET 6 FOR LIGHTING LAYOUT AND QUANTITIES.
- ⑧ INCLUDES ALL COSTS ASSOCIATED WITH MATERIALS, LABOR, AND INSTALLATION OF HANDRAIL. SEE SHEET 4A FOR DETAILS.
- ⑨ ITEM INCLUDES ALL COSTS ASSOCIATED WITH THE MATERIALS OF CONCRETE AND STEEL, LABOR AND INSTALLATION OF STEPS. AREA INCLUDES 2 STEPS AT 2' WIDTH AND 5' LENGTH. SEE SHEET 4A AND TDOT STD. DWG. RP-S-8 FOR DETAILS.
- ⑩ ITEM INCLUDES ALL COSTS ASSOCIATED WITH THE MATERIALS AND INSTALLATION OF STOP SIGN AS SHOWN ON SHEET 4A, INCLUDING POST AND SIGN FACE.



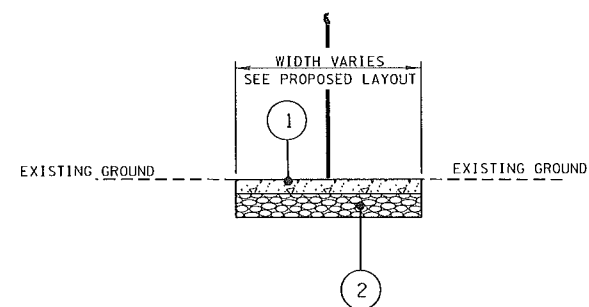
CITY OF KNOXVILLE, TN

GENERAL NOTES
STANDARD
DRAWINGS AND
EST. QUANTITIES

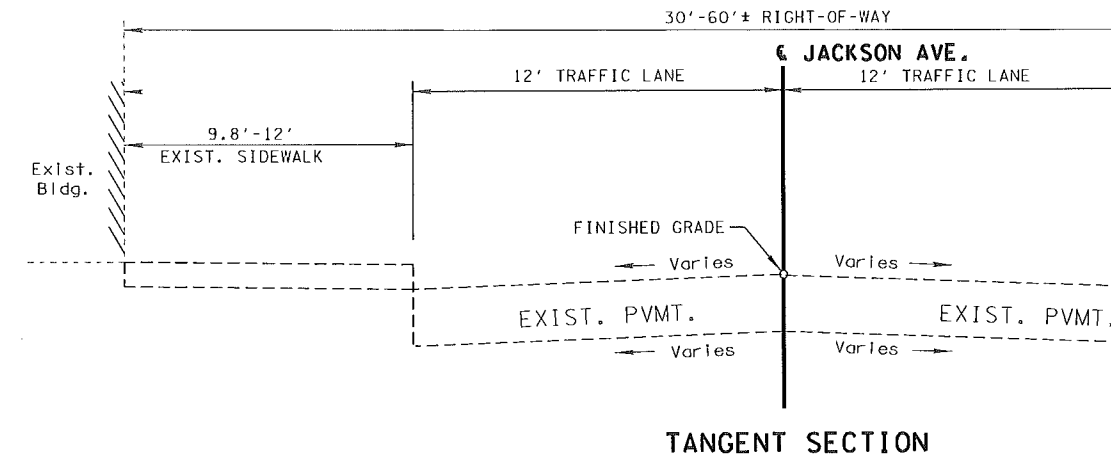
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	16A-5-0601	2

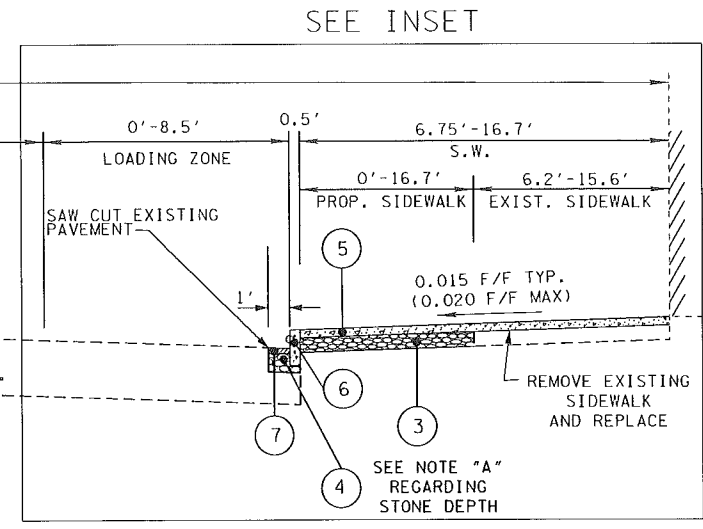
OLD CITY STREETScape - SOUTH SIDE OF W JACKSON AVENUE
CITY OF KNOXVILLE



TYPICAL SECTION
PRIVATE DRIVE TO BUSINESS OR PRIVATE PROPERTY
SEE TDOT STD. DWGS. RP-D-15 AND RP-D-16

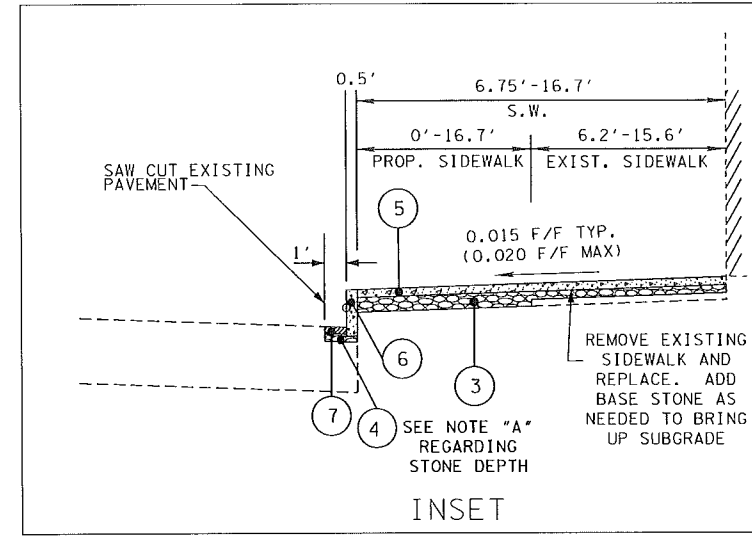


TANGENT SECTION

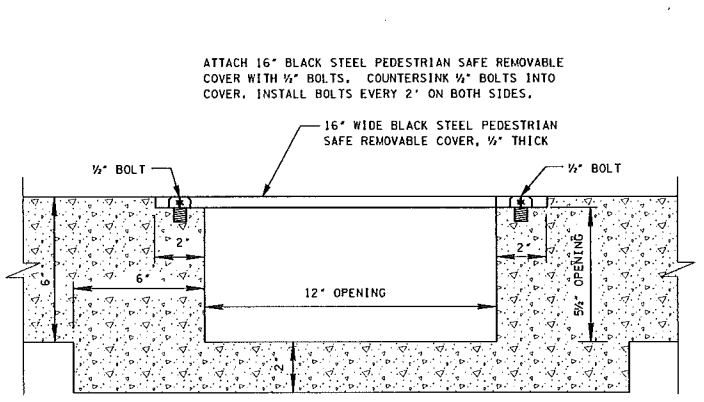


NOTE "A" DEPTH OF STONE VARIES WITH ELEVATION OF NEW CURB IN RELATION TO EXISTING PAVEMENT ELEVATIONS.

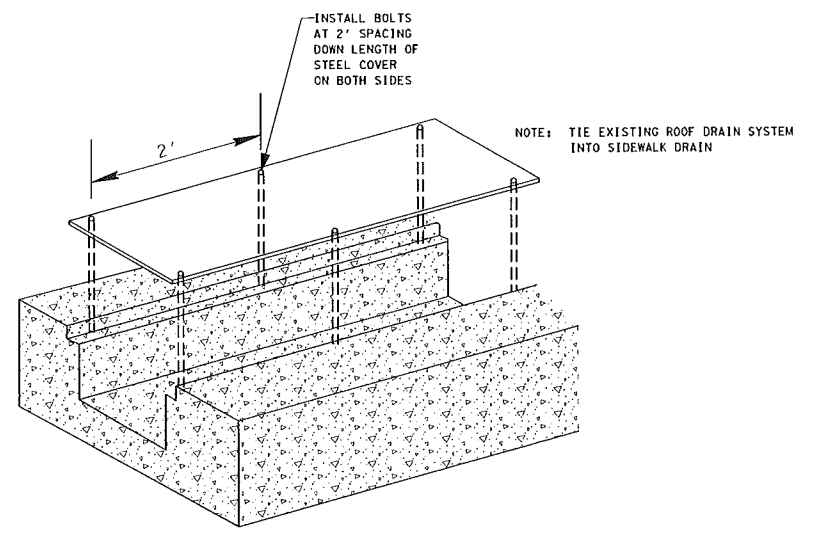
PROPOSED PAVEMENT SCHEDULE	
1 CONCRETE DRIVEWAYS - 6" DEPTH 13.20 CONCRETE DRIVEWAYS (SF)	5 CONCRETE SIDEWALK 13.10 4" CONCRETE SIDEWALK
2 MINERAL AGGREGATE BASE - 4" DEPTH 5.10 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"	6 CONCRETE CURB 12.65 CONCRETE CURB 6" DETACHED (NON-MOUNTABLE) TYPE A (STD DWG RP-NMC-10, RP-NMC-11)
3 MINERAL AGGREGATE BASE - 2" DEPTH 5.10 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D" NOTE: 2" OF BASE STONE UNDER SIDEWALK PAID FOR UNDER ITEM 13.10, CONCRETE SIDEWALK. ANY ADDITIONAL BASE STONE REQUIRED SHALL BE PAID FOR UNDER ITEM 5.10	7 BITUMINOUS BINDER (ROADWAY) @ 3" THICK 9.20 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M
4 MINERAL AGGREGATE BASE - 5"-9" DEPTH 5.10 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"	



INSET



SIDEWALK DRAIN DETAIL
N. T. S.



NOTE: TIE EXISTING ROOF DRAIN SYSTEM INTO SIDEWALK DRAIN

SEALED BY
Kathleen C. Hollingsworth
KATHLEEN C. HOLLINGSWORTH
REGISTERED ENGINEER
NO. 19679
STATE OF TENNESSEE
02/05/2016

CITY OF KNOXVILLE, TN

TYPICAL SECTIONS AND DETAILS

SCALE: N. T. S.

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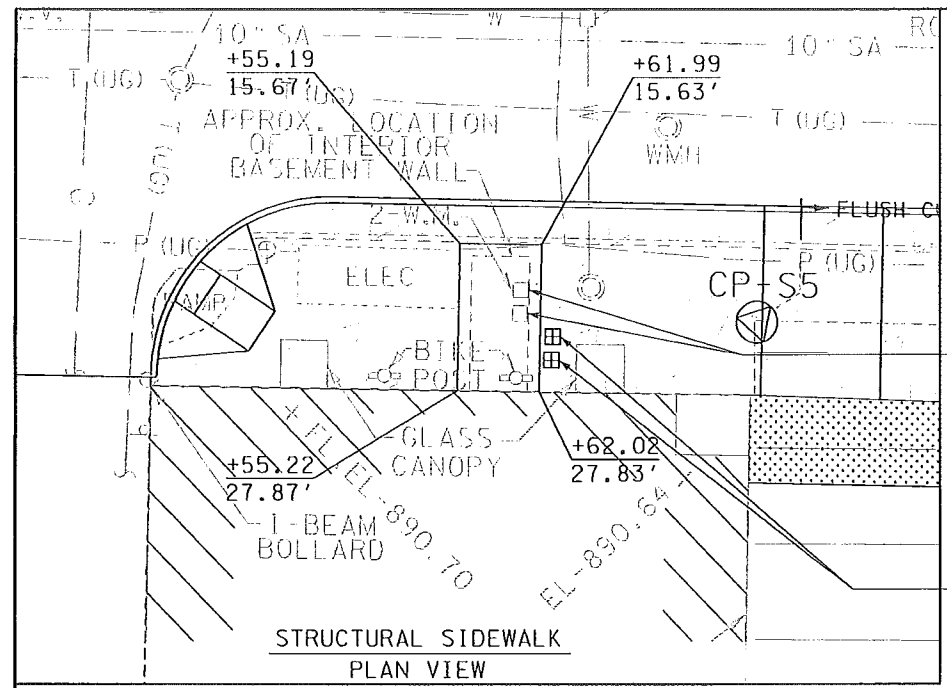
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	16A-S-0601	2A

OLD CITY STREETScape - SOUTH SIDE OF W JACKSON AVENUE
CITY OF KNOXVILLE

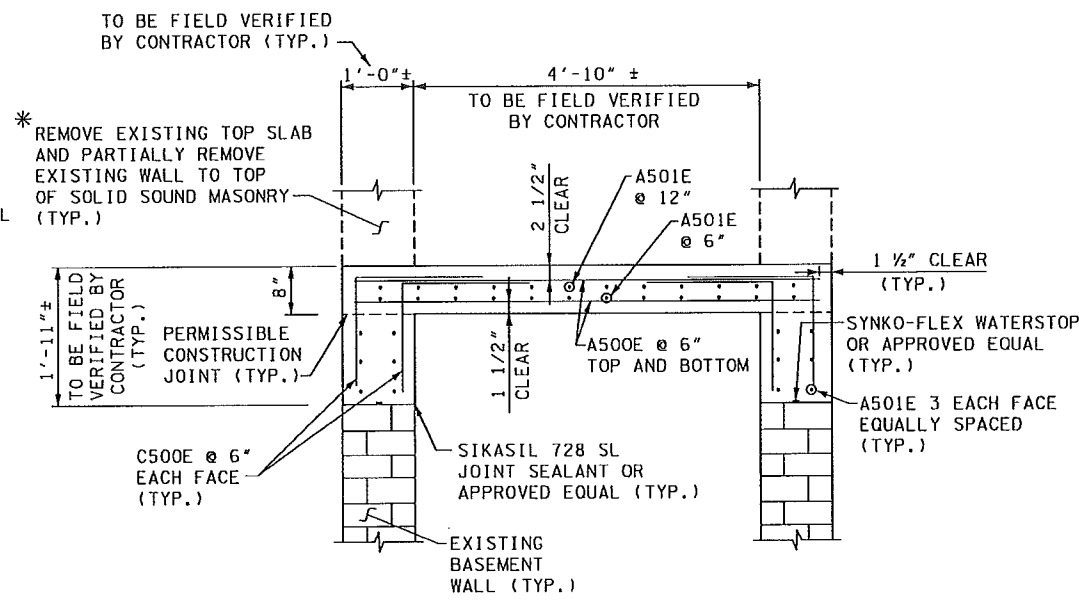
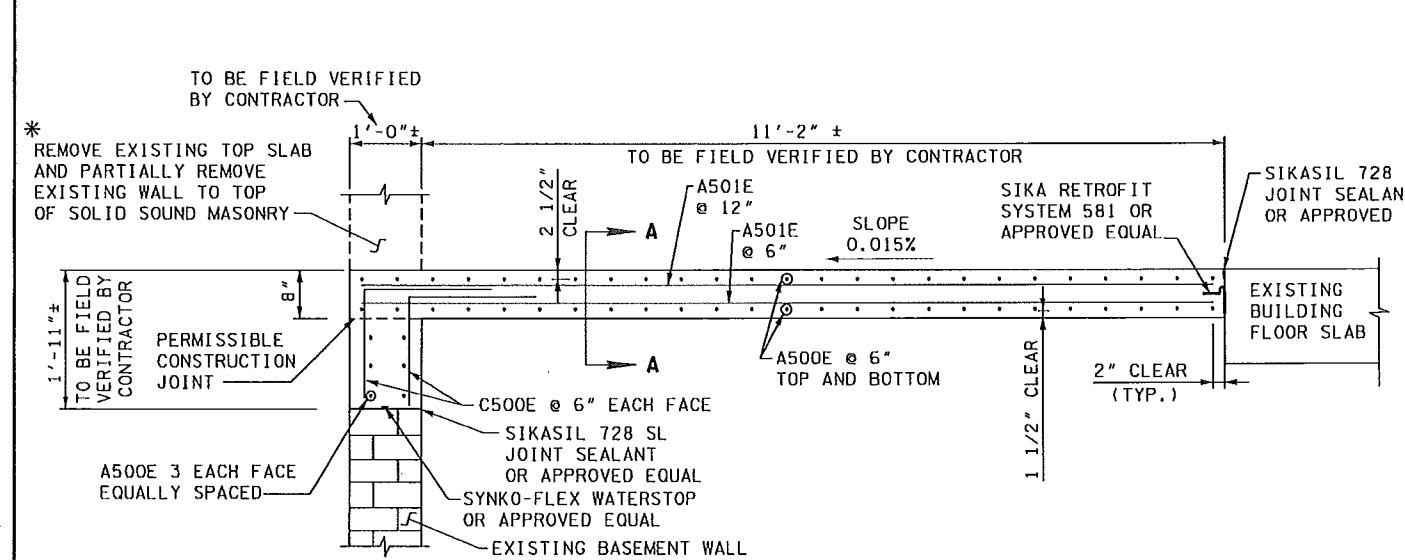
BID ITEM NUMBER	604-02.03	604-03.01
ITEM	EPOXY COATED REINFORCING STEEL ② LB.	CLASS "A" CONCRETE (BRIDGES) ① C.Y.
TOTAL	1,234	4

NOTES:
SPECIFICATIONS: STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION (JANUARY 1, 2015 EDITION).
LOADING: HL-93 LIVE LOADING.
DESIGN SPECIFICATIONS: AASHTO LRFD FIFTH EDITION, 2010, WITH INTERIMS.
CONCRETE: TO BE CLASS "A" (CAST-IN-PLACE) f'c = 3,000 PSI EXCEPT AS NOTED OTHERWISE.

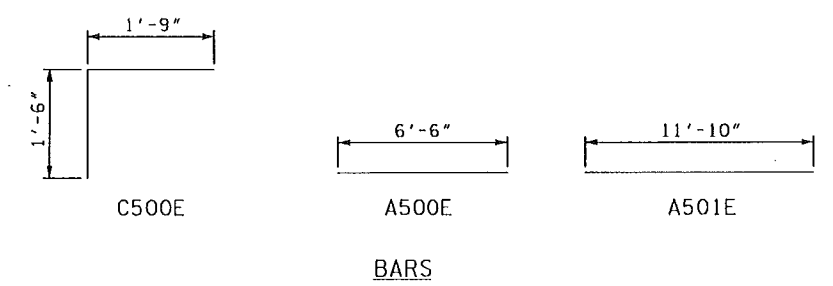
- ① THE COST OF THE PARTIAL DEMOLITION OF THE EXISTING BASEMENT WALLS, EXISTING TOP SLAB, WATERSTOP, JOINT SEALANT, BITUMINOUS FIBERBOARD AND ALL MISCELLANEOUS JOINT MATERIAL TO BE INCLUDED IN THE UNIT PRICE BID FOR CLASS "A" CONCRETE.
- ② NO REINFORCING SHALL BE ORDERED UNTIL CONTRACTOR FIELD VERIFIES ALL DIMENSIONS.



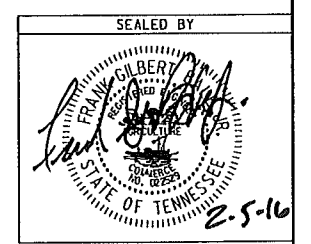
TO BE RELOCATED BY OTHERS, COORDINATE WITH KUB.
APPROXIMATE NEW LOCATION OF WATER METER (ACTUAL LOCATION TO BE DETERMINED BY KUB)



* NOTE: EXISTING MANHOLE SHALL BE REMOVED BY OTHERS SUCH THAT IT DOES NOT CONFLICT WITH NEW TOP SLAB. CONTRACTOR TO COORDINATE WITH KUB.



MARK	T	LOCATION	SZ	NO. RO'D	DIMENSION FT-IN					LENGTH (FT-IN)	WEIGHT (LBS)
					a	b	c	d	e		
SUPERSTRUCTURE											
A500	E	SLAB	5	56	6'-6"					6'-6"	380
A501	E	"	5	34	11'-10"					11'-10"	420
C500	E	"	5	128	1'-9"	1'-6"				3'-3"	434
*** TOTAL WEIGHT (LBS)										1,234	



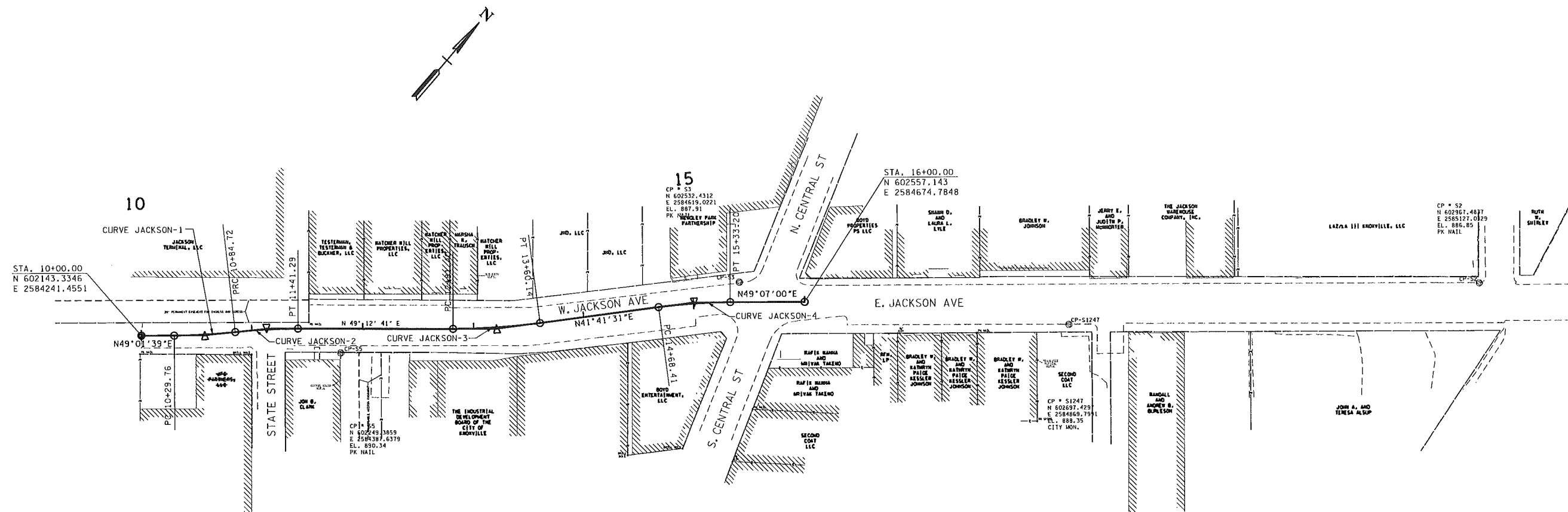
CITY OF KNOXVILLE, TN

CONST DETAILS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	16A-S-0601	3

OLD CITY STREETScape - SOUTH SIDE OF
W JACKSON AVENUE
CITY OF KNOXVILLE



CURVE JACKSON-1
PI 10+57.27
N 602,180.8833
E 2,584,284.6917
Δ 6° 17' 54" (LT)
D 11' 27' 33"
R 500.00
L 54.96
T 27.51
SE 0.000 FT/FT
DESIGN SPEED 00 MPH
TRANS. LENGTH 000

CURVE JACKSON-2
PI 11+13.03
N 602,221.8906
E 2,584,322.5706
Δ 6° 28' 57" (RT)
D 11' 27' 33"
R 500.00
L 56.57
T 28.32
SE 0.000 FT/FT
DESIGN SPEED 00 MPH
TRANS. LENGTH 000

CURVE JACKSON-3
PI 13+20.82
N 602,357.6725
E 2,584,479.9394
Δ 7° 31' 10" (LT)
D 9' 32' 57"
R 600.00
L 78.74
T 39.43
SE 0.000 FT/FT
DESIGN SPEED 00 MPH
TRANS. LENGTH 000

CURVE JACKSON-4
PI 15+00.85
N 602,492.1890
E 2,584,599.7558
Δ 7° 25' 28" (RT)
D 11' 27' 33"
R 500.00
L 64.79
T 32.44
SE 0.000 FT/FT
DESIGN SPEED 00 MPH
TRANS. LENGTH 000

SEALED BY

KATHLEEN C. HOLLIMAN
REGISTERED ENGINEER
CORNER 02/09/2016
STATE OF TENNESSEE

COORDINATE VALUES ARE NAD/83(2011),
DATUM ADJUSTED BY THE FACTOR
OF 1.0001 AND ARE TIED TO
CITY OF KNOXVILLE CONTROL.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988.

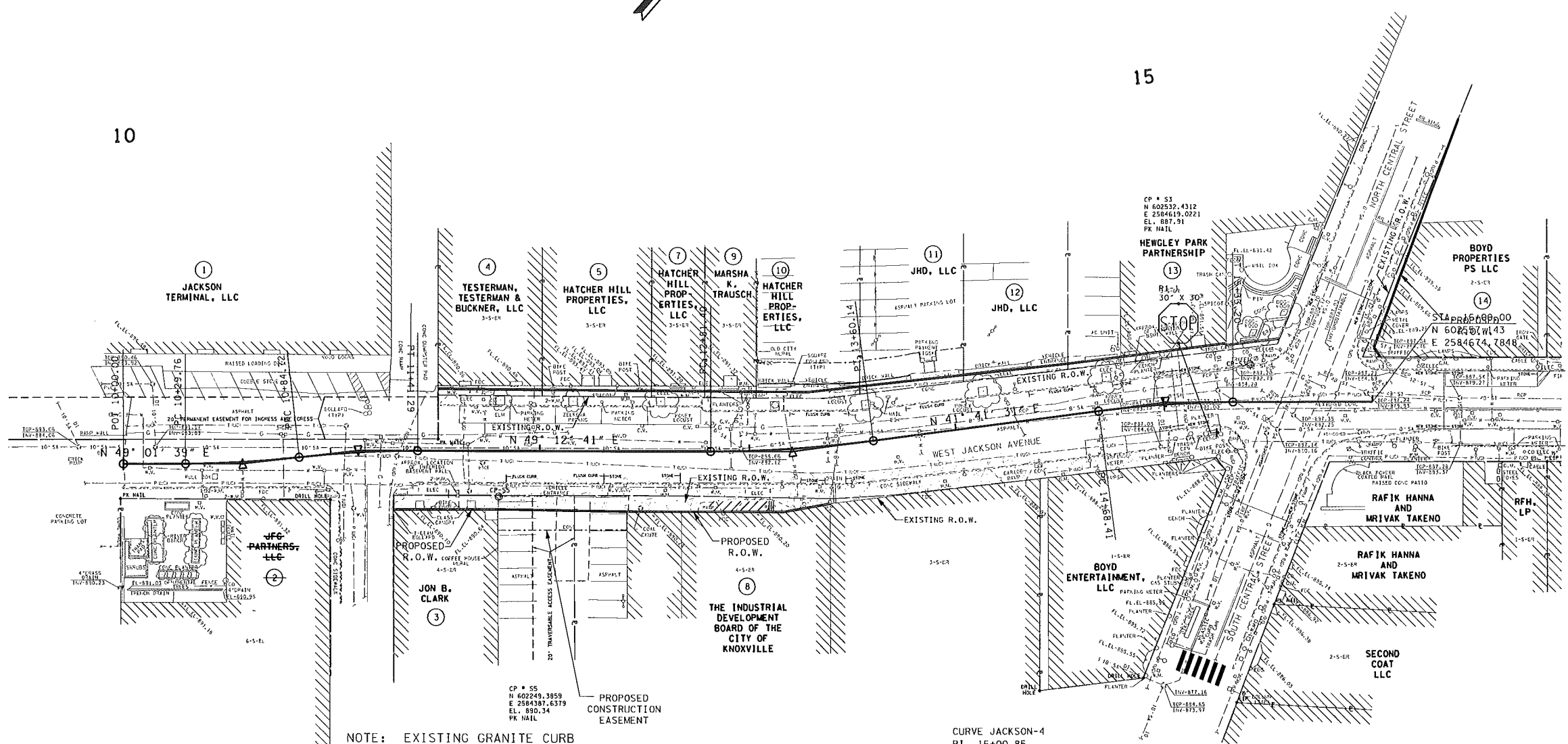
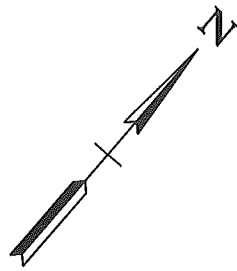
CITY OF KNOXVILLE, TN

**GEOMETRIC
LAYOUT AND
PROJECT
CONTROL**

SCALE: 1"=50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	16A-S-0601	4

OLD CITY STREETScape - SOUTH SIDE OF
W JACKSON AVENUE
CITY OF KNOXVILLE



CURVE JACKSON-1
 PI 10+57.27
 N 602,180.8833
 E 2,584,284.6917
 Δ 6° 17' 54" (LT)
 D 11' 27' 33"
 R 500.00
 L 54.96
 T 27.51
 SE 0.000 FT/FT
 DESIGN SPEED 00 MPH
 TRANS. LENGTH 000

CURVE JACKSON-2
 PI 11+13.03
 N 602,221.8906
 E 2,584,322.5706
 Δ 6° 28' 57" (RT)
 D 11' 27' 33"
 R 500.00
 L 56.57
 T 28.32
 SE 0.000 FT/FT
 DESIGN SPEED 00 MPH
 TRANS. LENGTH 000

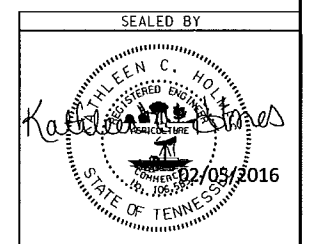
CURVE JACKSON-3
 PI 13+20.82
 N 602,357.6725
 E 2,584,479.9394
 Δ 7° 31' 10" (LT)
 D 9° 32' 57"
 R 600.00
 L 78.74
 T 39.43
 SE 0.000 FT/FT
 DESIGN SPEED 00 MPH
 TRANS. LENGTH 000

CURVE JACKSON-4
 PI 15+00.85
 N 602,492.1890
 E 2,584,599.7558
 Δ 7° 25' 28" (RT)
 D 11' 27' 33"
 R 500.00
 L 64.79
 T 32.44
 SE 0.000 FT/FT
 DESIGN SPEED 00 MPH
 TRANS. LENGTH 000

NOTE: EXISTING GRANITE CURB
 TO BE CAREFULLY REMOVED
 AND RETURNED TO THE
 CITY OF KNOXVILLE

CP # 55
 N 602249.3859
 E 2584387.6379
 EL. 890.34
 PK NAIL

2/5/2016 4:49:23 PM
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COORDINATE VALUES ARE NAD/83(2011),
 DATUM ADJUSTED BY THE FACTOR
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 CITY OF KNOXVILLE CONTROL.
 ALL ELEVATIONS ARE REFERENCED
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CITY OF KNOXVILLE, TN

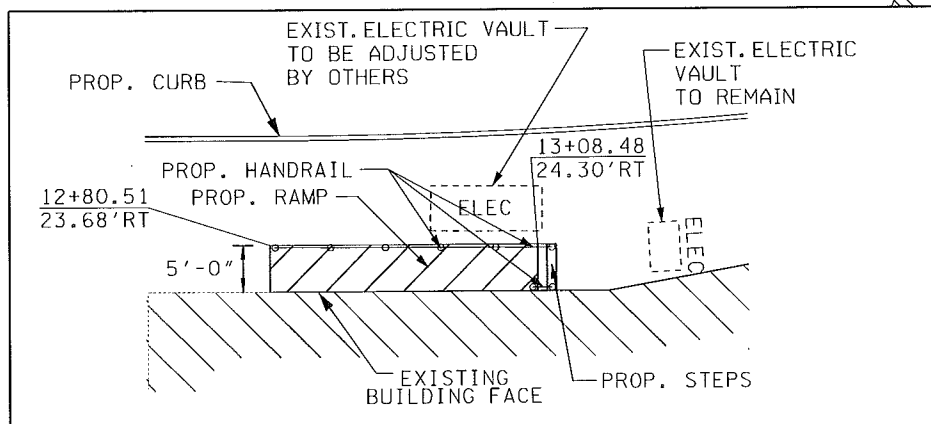
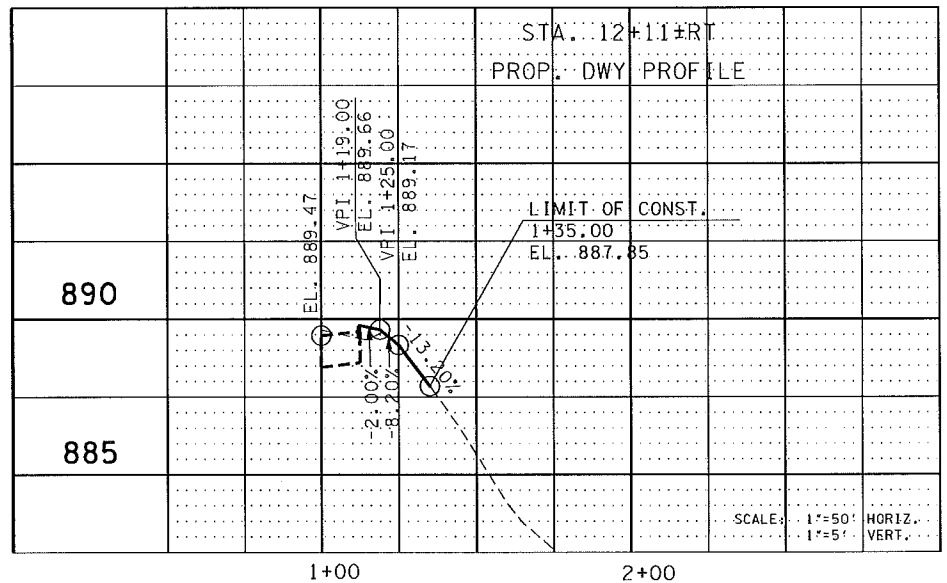
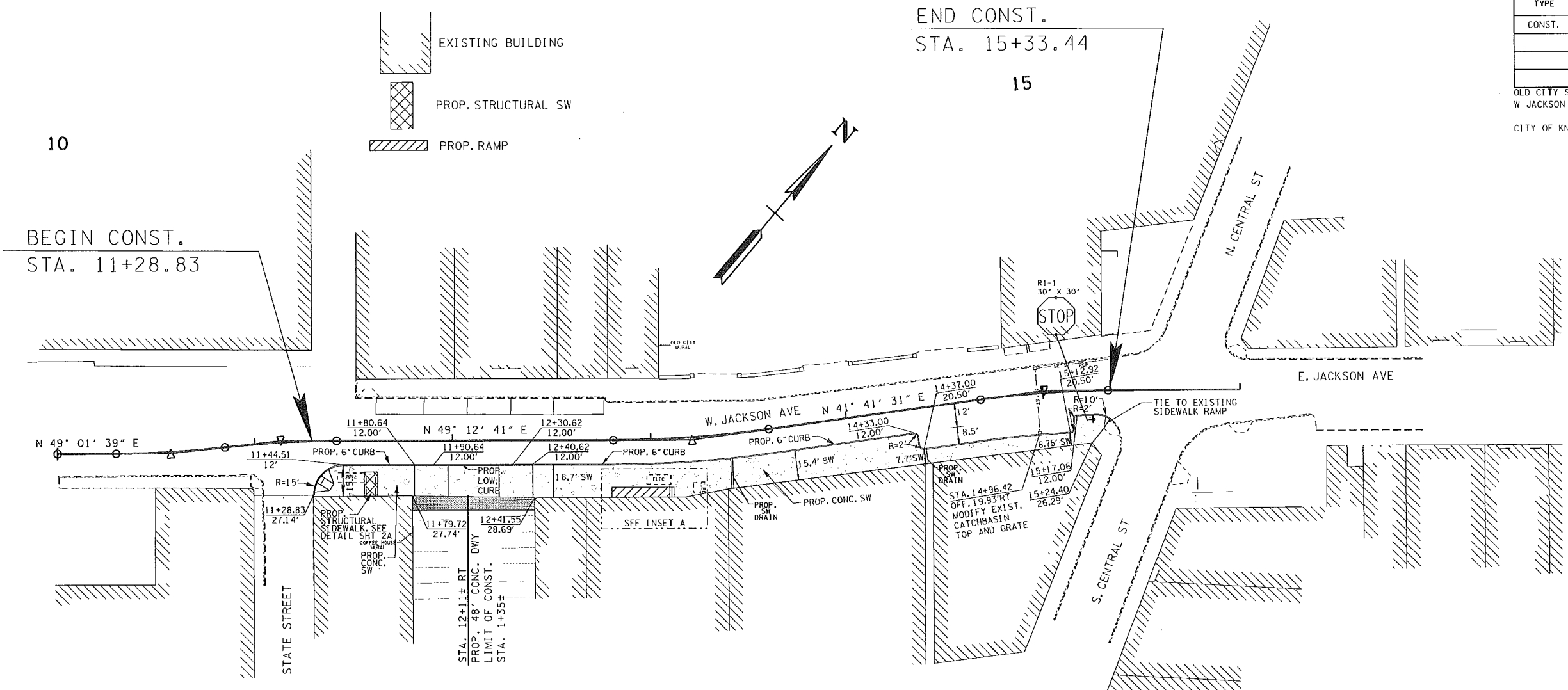
PRESENT LAYOUT

STA. + TO STA. +

SCALE: 1" = 30'

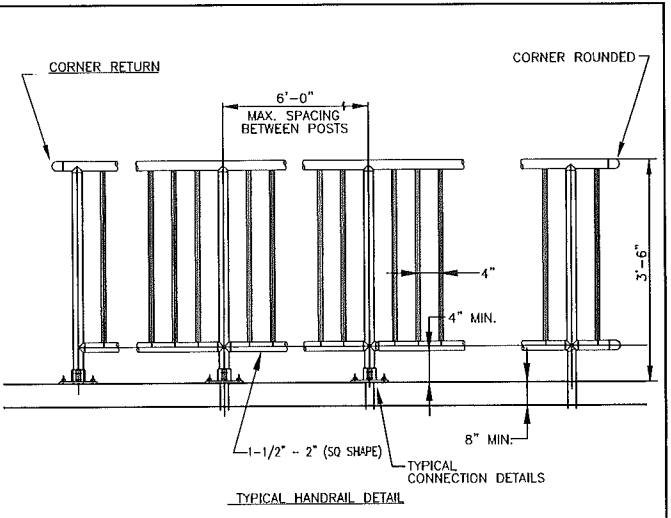
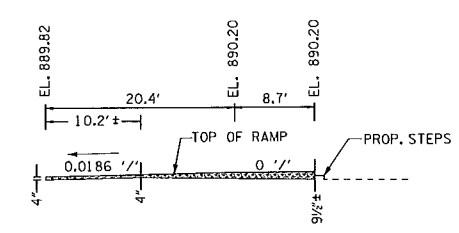
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	16A-S-0601	4A

OLD CITY STREETScape - SOUTH SIDE OF W JACKSON AVENUE
CITY OF KNOXVILLE



INSET A
SCALE: 1"=10'

NOTES:
1. SEE TDOT STD DWG. RP-S-8 FOR STANDARD CONCRETE STEP DETAIL



SEALED BY
Kathleen C. Holloman
REGISTERED ENGINEER
NO. 15972
02/05/2016
STATE OF TENNESSEE

COORDINATE VALUES ARE NAD/83(2011), DATUM ADJUSTED BY THE FACTOR OF 1.0001 AND ARE TIED TO CITY OF KNOXVILLE CONTROL. ALL ELEVATIONS ARE REFERRED TO THE NAVD 1988.

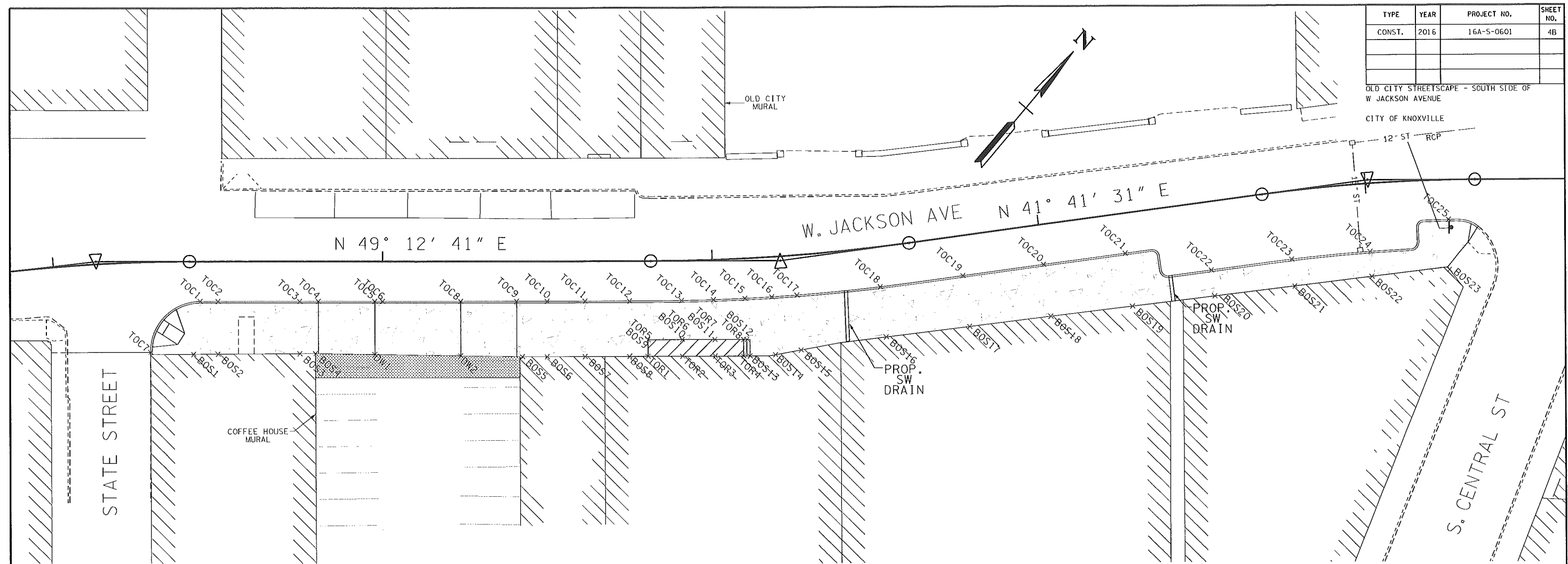
CITY OF KNOXVILLE, TN

PROPOSED LAYOUT
STA. 11+28.83 TO STA. 15+33.44
SCALE: 1"= 30'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	16A-5-0601	4B

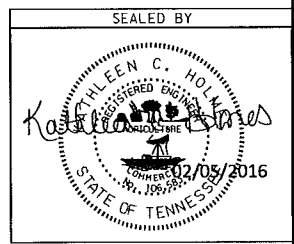
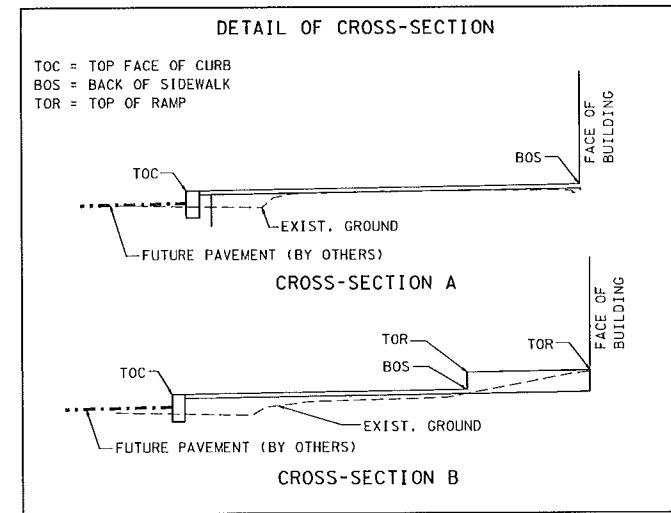
OLD CITY STREETScape - SOUTH SIDE OF W JACKSON AVENUE
CITY OF KNOXVILLE



Point No.	North	East	Station	Offset (FT)	Top Face of Curb Elevation
TOC1	602233.406	2584354.286	11+44.51	12.00	890.46
TOC2	602236.993	2584358.443	11+50.00	12.00	890.45
TOC3	602253.325	2584377.371	11+75.00	12.00	890.36
TOC4	602257.008	2584381.64	11+80.64	12.00	890.31
TOC5	602268.145	2584394.547	11+97.69	12.00	889.88
TOC6	602269.656	2584396.299	12+00.00	12.00	889.86
TOC7	602212.037	2584352.914	11+28.83	27.14	890.55
TOC8	602285.018	2584414.103	12+23.51	12.00	889.63
TOC9	602296.193	2584427.055	12+40.62	12.00	889.87
TOC10	602302.32	2584434.156	12+50.00	12.00	889.80
TOC11	602309.839	2584442.87	12+61.51	12.00	889.73
TOC12	602318.651	2584453.084	12+75.00	12.00	889.64
TOC13	602328.956	2584464.919	12+90.51	12.00	889.36
TOC14	602335.447	2584472.099	13+00.00	12.00	889.17
TOC15	602342.072	2584479.199	13+09.52	12.00	888.98
TOC16	602347.733	2584485.09	13+17.53	12.00	888.82
TOC17	602353.082	2584490.516	13+25.00	12.00	888.74
TOC18	602371.469	2584508.181	13+50.00	12.00	888.69
TOC19	602390.23	2584525.009	13+75.00	12.00	888.64
TOC20	602408.898	2584541.637	14+00.00	12.00	888.60
TOC21	602427.567	2584558.266	14+25.00	12.00	888.55
TOC22	602440.581	2584581.241	14+50.00	20.50	888.14
TOC23	602459.02	2584597.72	14+75.00	20.50	887.95
TOC24	602476.299	2584614.337	15+00.00	20.50	887.89
TOC25	602499.061	2584626.128	15+25.00	12.00	887.62

Point No.	North	East	Station	Offset (FT)	Back of Sidewalk Elevation
BOS1	602220.0436	2584363.1881	11+42.52	27.93	890.70
BOS2	602224.9595	2584368.8257	11+50.00	27.89	890.69
BOS3	602241.3902	2584387.6685	11+75.00	27.76	890.60
BOS4	602244.4945	2584391.2285	11+79.72	27.74	890.56
DW1	602256.0198	2584405.009	11+97.69	28.01	888.77
DW2	602272.5926	2584424.824	12+23.51	28.41	888.72
BOS5	602284.6964	2584439.2956	12+42.38	28.70	890.12
BOS6	602289.6778	2584445.0634	12+50.00	28.70	890.05
BOS7	602297.2012	2584453.7743	12+61.51	28.69	889.99
BOS8	602306.0187	2584463.9836	12+75.00	28.69	889.89
BOS9	602313.4058	2584464.8873	12+80.51	23.68	889.75
BOS10	602320.1777	2584472.7282	12+90.51	23.75	889.54
BOS11	602326.6290	2584480.1978	13+00.00	23.97	889.35
BOS12	602333.1069	2584487.6982	13+09.52	24.35	889.17
BOS13	602329.9250	2584491.6636	13+10.18	29.39	889.22
BOS14	602335.2343	2584497.2604	13+17.53	29.45	889.08
BOS15	602341.3522	2584502.2258	13+25.00	28.57	888.99
BOS16	602361.1687	2584519.3589	13+50.00	27.20	888.92
BOS17	602379.9681	2584536.5302	13+75.00	27.43	888.87
BOS18	602398.4285	2584553.3918	14+00.00	27.74	888.83
BOS19	602416.8888	2584570.2534	14+25.00	28.05	888.79
BOS20	602435.3492	2584587.1150	14+50.00	28.37	888.26
BOS21	602453.5307	2584603.7220	14+75.00	28.63	888.07
BOS22	602470.9477	2584619.6305	15+00.00	28.03	888.00
BOS23	602487.8350	2584636.1732	15+25.00	27.06	887.78

Point No.	North	East	Station	Offset (FT)	Top of Ramp Elevation
TOR1	602309.6202	2584468.1537	12+80.51	28.68	889.82
TOR2	602316.4418	2584476.0520	12+90.51	28.75	889.97
TOR3	602322.9447	2584483.5815	13+00.00	28.97	890.12
TOR4	602328.6177	2584490.1500	13+08.27	29.30	890.12
TOR5	602313.4058	2584464.8873	12+80.51	23.68	889.75
TOR6	602320.1777	2584472.7282	12+90.51	23.75	889.90
TOR7	602326.6290	2584480.1978	13+00.00	23.97	890.05
TOR8	602332.4018	2584486.8818	13+08.48	24.30	890.05



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CITY OF KNOXVILLE, TN

SIDEWALK ELEVATIONS

SCALE: 1"=15'

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	16A-S-0601	5

OLD CITY STREETScape - SOUTH SIDE OF W JACKSON AVENUE
CITY OF KNOXVILLE

NOTES

THIS SET OF PLANS IS NOT INTENDED TO SUPERSEDE OR RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND PART VI STANDARDS AND GUIDES FOR TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE, UTILITY, AND INCIDENT MANAGEMENT OPERATIONS.

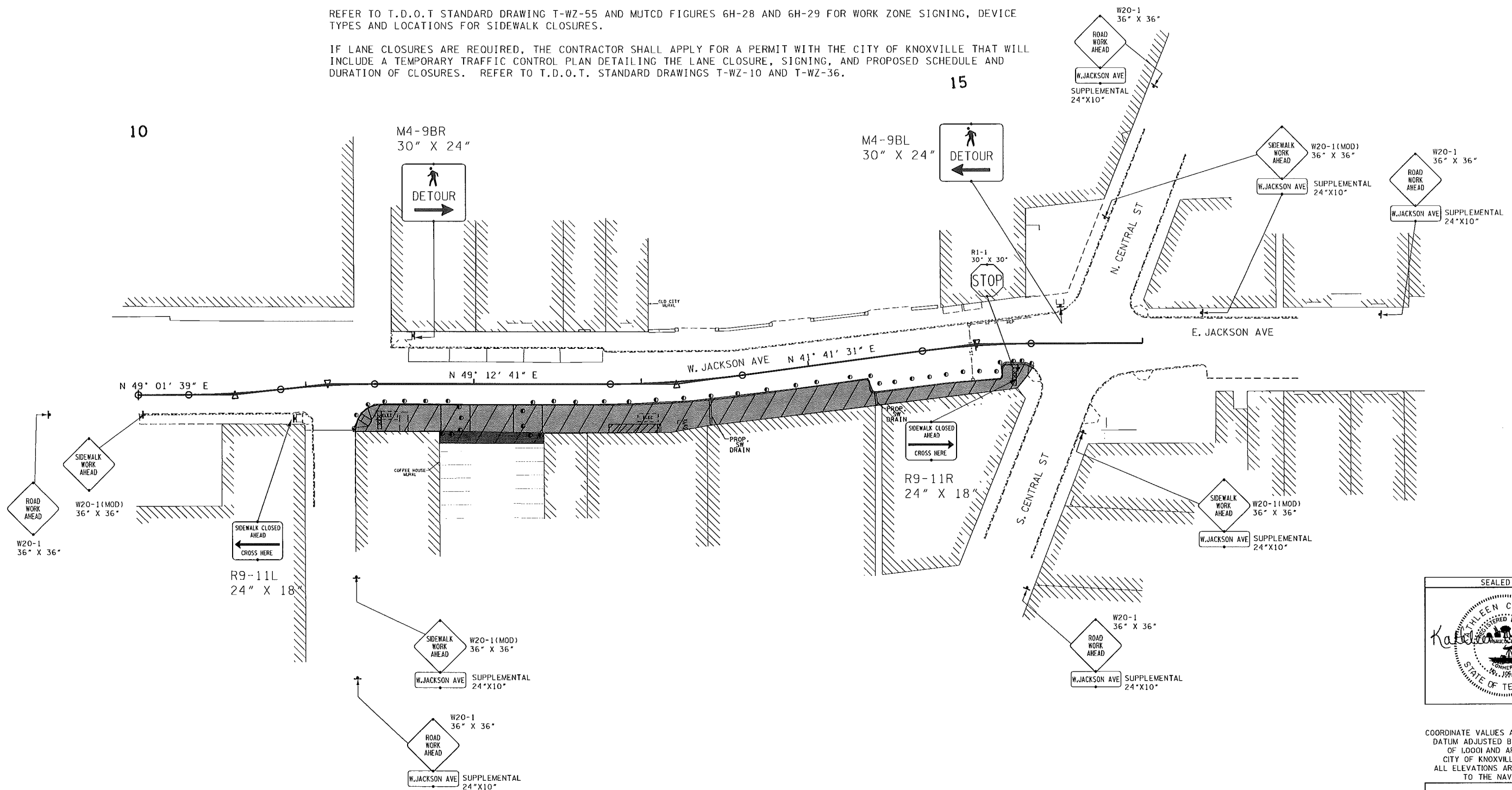
THIS CONSTRUCTION SIGNING PLAN IS TO SERVE AS A GUIDE ONLY; OTHER SIGNS AND DEVICES MAY BE REQUIRED DURING VARIOUS PHASES OF ROADWAY CONSTRUCTION ON THIS PROJECT.

ACCESS TO BUSINESSES SHALL BE MAINTAINED AT ALL TIMES.

REFER TO T.D.O.T STANDARD DRAWING T-WZ-55 AND MUTCD FIGURES 6H-28 AND 6H-29 FOR WORK ZONE SIGNING, DEVICE TYPES AND LOCATIONS FOR SIDEWALK CLOSURES.

IF LANE CLOSURES ARE REQUIRED, THE CONTRACTOR SHALL APPLY FOR A PERMIT WITH THE CITY OF KNOXVILLE THAT WILL INCLUDE A TEMPORARY TRAFFIC CONTROL PLAN DETAILING THE LANE CLOSURE, SIGNING, AND PROPOSED SCHEDULE AND DURATION OF CLOSURES. REFER TO T.D.O.T. STANDARD DRAWINGS T-WZ-10 AND T-WZ-36.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	TEMPORARY BARRICADE (TYPE III)
	SIGN (CONSTRUCTION)



SEALED BY

Kathleen C. Holman
REGISTERED ENGINEER
No. 19672
02/08/2016
STATE OF TENNESSEE

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CITY OF KNOXVILLE, TN

TRAFFIC CONTROL PLAN

SCALE: 1" = 30'

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	16A-S-0601	6

OLD CITY STREETSCAPE - SOUTH SIDE OF W JACKSON AVENUE
CITY OF KNOXVILLE

ILLUMINATION RESULTS					
SECTION	AVG.	MAX	MIN.	MAX/MIN	AVG/MIN
JACKSON AVE (STATE TO CENTRAL)	1.9	4.5	0.7	6.4:1	2.7:1

* EVALUATION BASED ON LUMEC FIXTURE CAND1_65W42LED4K_R_PC_C_RLE3.
** ASSUMES FUTURE UPGRADE OF FIXTURES ON NORTH SIDE OF ROADWAY TO LED.

ESTIMATED LIGHTING QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(1)	714-02.01 ENCASED CONDUIT (2" PVC, SCHEDULE 80)	L.F.	300
(1)	714-03.01 DIRECT BURIAL CONDUIT (2" PVC, SCHEDULE 40)	L.F.	400
	714-05.03 PULL BOXES (TYPE B)	EACH	6
(2)	714-08.20 FOUNDATION (ONLY) FOR LIGHT STANDARD	EACH	7
(3)	714-08.32 REMOVAL OF LIGHT STANDARD & FOUNDATION	EACH	3

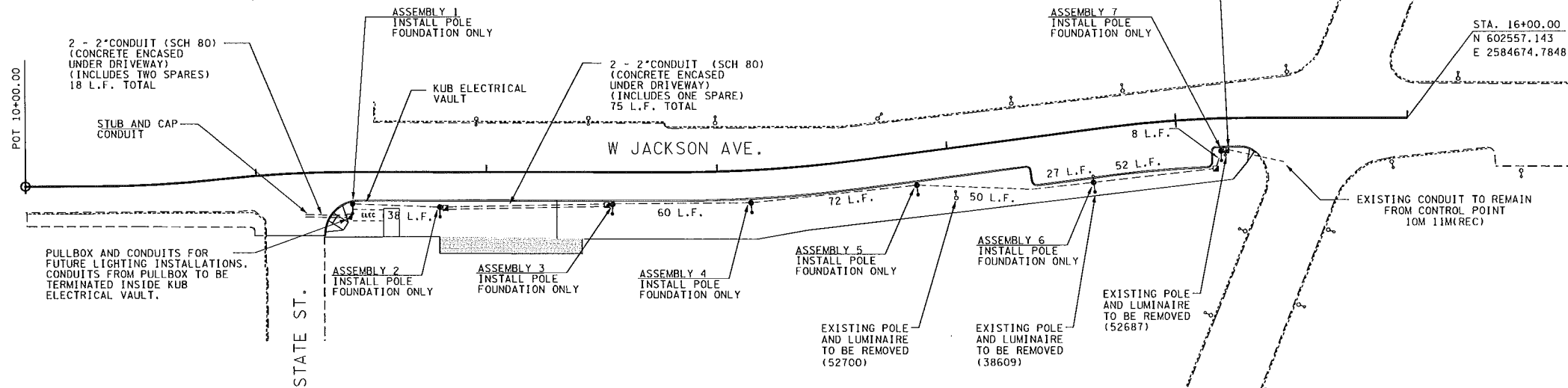
FOOTNOTES:

1. QUANTITIES OF CONDUIT ARE ENGINEERS ESTIMATED GROUND LINE DISTANCES.
2. INCLUDES ANCHOR BOLTS.
3. EXISTING POLES AND LUMINAIRES TO BE REMOVED AND SALVAGED TO THE CITY OF KNOXVILLE.

POLE FOUNDATION LOCATION				
LIGHT POLE NO.	STATION	OFFSET	N	E
1	11+41.75	13.7	602230.27	2584353.29
2	11+79.78	15.0	602254.16	2584382.96
3	12+54.73	13.8	602304.08	2584438.88
4	13+14.62	14.0	602343.73	2584483.75
5	13+85.02	13.9	602396.46	2584533.07
6	14+61.18	22.7	602447.48	2584590.31
7	15+19.73	14.2	602493.88	2584623.39

NOTE:
PROJECT INCLUDES REMOVAL OF EXISTING STREET LIGHTS ALONG THE SOUTH SIDE OF ROADWAY AND INSTALLATION OF CONDUIT, PULL BOXES AND POLE FOUNDATIONS FOR FUTURE STREET LIGHTS.

10



LEGEND

- ↑ PROPOSED POLE (FOUNDATION ONLY)
- ⊗ EXISTING POLE AND LUMINAIRE
- PULLBOX (TYPE B)
- CONDUIT (2" SCH 40 UNLESS OTHERWISE NOTED)

SEALED BY

COORDINATE VALUES ARE NAD/83(2011), DATUM ADJUSTED BY THE FACTOR OF 1.0001 AND ARE TIED TO CITY OF KNOXVILLE CONTROL. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF KNOXVILLE, TN

LIGHTING LAYOUT

SCALE: 1"=30'

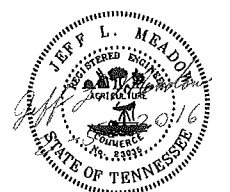
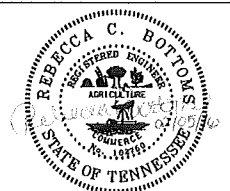
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	16A-S-0601	6A

OLD CITY STREETScape - SOUTH SIDE OF
W JACKSON AVENUE
CITY OF KNOXVILLE

STREET LIGHTING SPECIAL NOTES

- (1) INSTALLATION AND MATERIALS SHALL COMPLY WITH KUB'S STANDARD DRAWINGS AND SPECIFICATIONS AND WITH THE LATEST REVISIONS TO THE NATIONAL ELECTRIC CODE, NFPA 70. SHOULD CONFLICTS OCCUR BETWEEN THESE DOCUMENTS, THE MOST STRICT REQUIREMENTS SHALL BE USED.
- (2) CONTRACTOR TO CONTACT KUB INSPECTOR AT 865-558-2786 THREE DAYS BEFORE START OF PROJECT WORK TO ARRANGE FOR KUB INSPECTIONS. FAILURE TO OBTAIN KUB INSPECTIONS MAY RESULT IN THE INSTALLATION NOT BEING ACCEPTED BY KUB.
- (3) CONTRACTOR TO CONTACT TENNESSEE ONE CALL AT 1-800-351-1111 THREE DAYS BEFORE START OF WORK TO LOCATE UNDERGROUND FACILITIES.
- (4) CONTRACTOR SHALL PROVIDE MANUFACTURER'S SPECIFICATION SHEETS FOR ALL CONTRACTOR SUPPLIED MATERIALS FOR REVIEW AND APPROVAL PRIOR TO PURCHASING AND INSTALLING MATERIALS. ANY REWORK REQUIRING REMOVAL OF NON-APPROVED MATERIALS WILL BE PERFORMED AT NO ADDITIONAL EXPENSE TO CONTRACT.
- (5) CONTRACTOR SHALL INSTALL HANDHOLES WHERE QUANTITY OF BENDS IS GREATER THAN 270 DEGREES AND/OR PULL EXCEEDS 250 LINEAR FEET.
- (6) FACTORY BENDS ARE MANDATORY. HEAT BENDING OF CONDUIT IS NOT ALLOWED. ALL CONDUIT INSTALLATIONS ARE SUBJECT TO MANDREL TESTING. MANDRELS TO BE FURNISHED BY KUB. CONTRACTOR TO PERFORM TESTING AT NO ADDITIONAL EXPENSE TO CONTRACT.
- (7) CONTRACTOR SHALL COLOR CODE ALL LIGHT POLE RELATED CABLES PER KUB STANDARD DWG-A-15688.
- (8) CONTRACTOR TO CONTACT KUB DISPATCH AT 558-2600 FOR OPENING TRANSFORMERS TO RECEIVE CONDUIT AND WIRE OR WHEN WORKING WITHIN 10 FEET OF ANY ENERGIZED KUB POWER LINE OR POWER POLE.
- (9) CONTRACTOR TO BE RESPONSIBLE FOR INSTALLATION DEFECTS FOR A PERIOD OF ONE YEAR AFTER KUB ACCEPTS THE LIGHTING INSTALLATION.
- (10) UNLESS OTHERWISE NOTED. MINIMUM CONDUIT DEPTH SHALL BE 30" UNLESS OTHERWISE NOTED.
- (11) EACH CONDUIT RUN INTO A PULL BOX SHALL HAVE AN END BELL.
- (12) ALL CONDUIT LOCATED IN ROADWAYS AND DRIVEWAYS SHALL BE CONCRETE ENCASED PER KUB DWG-16132-DINFO AND DWG-16132-DL9.
- (13) ALL PULL BOXES LOCATED OFF ROADWAY BUT IN AREAS OF POTENTIAL EXPOSURE TO TRAFFIC SHALL INCLUDE A CONCRETE APRON PER KUB DWG A-15509.
- (14) ALL GROUND RODS SHALL BE 5/8" X 8 FT COPPERWELD TYPE. GROUND WIRE TO COPPERWELD GROUND RODS SHALL BE BARE, SOFT DRAWN COPPER. CONNECTIONS TO GROUND ROD SHALL BE WITH KUB APPROVED ACORN TYPE FITTING.
- (15) LIGHTING ASSEMBLIES SHALL INCLUDE THE FOLLOWING:
 - A. HOT DIPPED, GALVANIZED ANCHOR BOLTS AND FULLY GALVANIZED NUTS, AND WASHERS (ASTM A153). EXCLUDES ANCHOR BOLTS ON BRIDGE AND WALL MOUNTED LIGHTING ASSEMBLIES.
 - B. POLE GROUND LUG SHALL BE TINNED OR RATED FOR COPPER TO ALUMINUM CONNECTIONS.
 - C. TAMPER RESISTANT STAINLESS STEEL SCREWS SIMILAR TO FASTENAL X204C0040SSX600, SIZED AS REQUIRED.
- (16) REGARDLESS OF IDENTIFIED SPECIFICATION REQUIREMENTS, POLE FOUNDATIONS ARE TO BE FURNISHED AS FOLLOWS:
 - A. CONSTRUCTED WITH CONTINUOUS AND MONOLITHIC POURS WITH NO CONSTRUCTION JOINTS.
 - B. TOPS SHALL BE FLAT, LEVEL AND POURED TO EXACT ELEVATION SUCH THAT POLES MAY BE MOUNTED DIRECTLY ON EACH FOUNDATION WITHOUT THE USE OF LEVELING NUTS.
 - C. FORMS AND SHAFTS SHALL BE FREE OF MUD AND WATER WITH TAMPED EARTH BOTTOMS PRIOR TO POURING CONCRETE.
 - D. COVER ALL TOPS WITH A CLEAR CONCRETE SEALER IMMEDIATELY AFTER FOUNDATION FINISH WORK IS COMPLETED.
 - E. THE TOP 6" OF THE FOUNDATION SHALL BE REDUCED TO MATCH THE POLE BASE AND POURED SQUARE.
- (17) OBTAIN FINAL KUB INSPECTION AND WRITTEN LETTER OF ACCEPTANCE FROM KUB BEFORE FINAL PROJECT CLOSE OUT.

SEALED BY

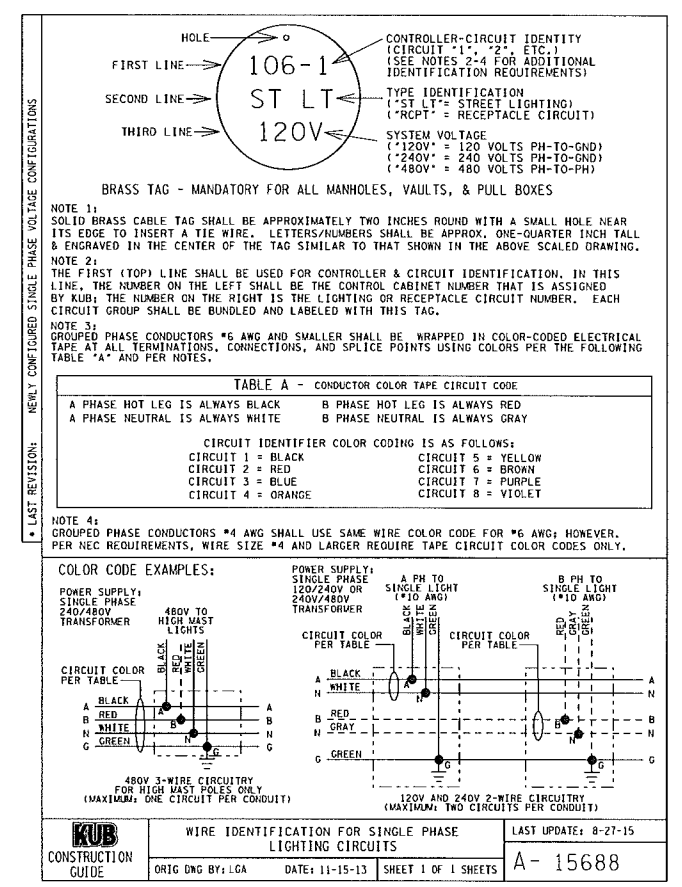
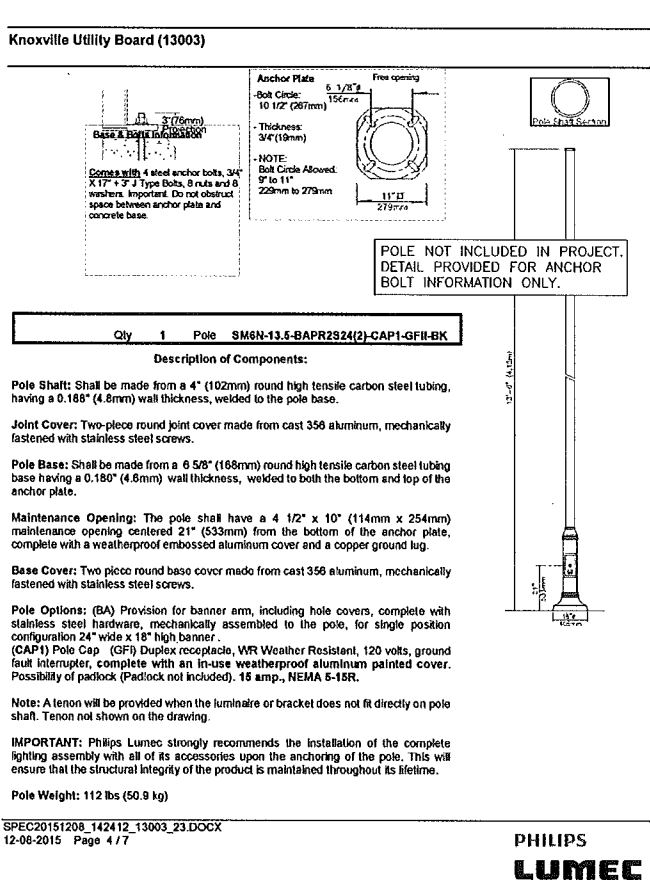
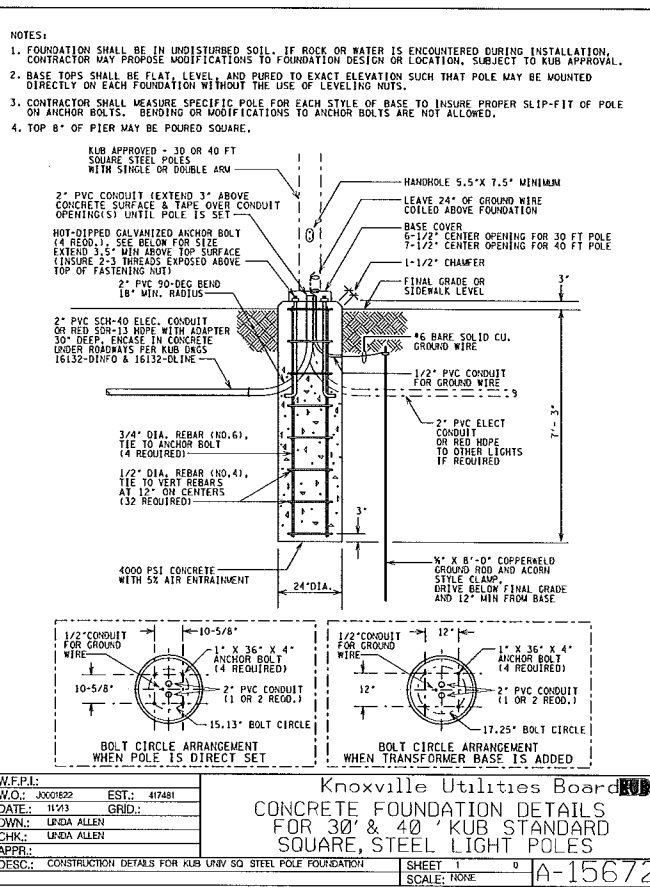
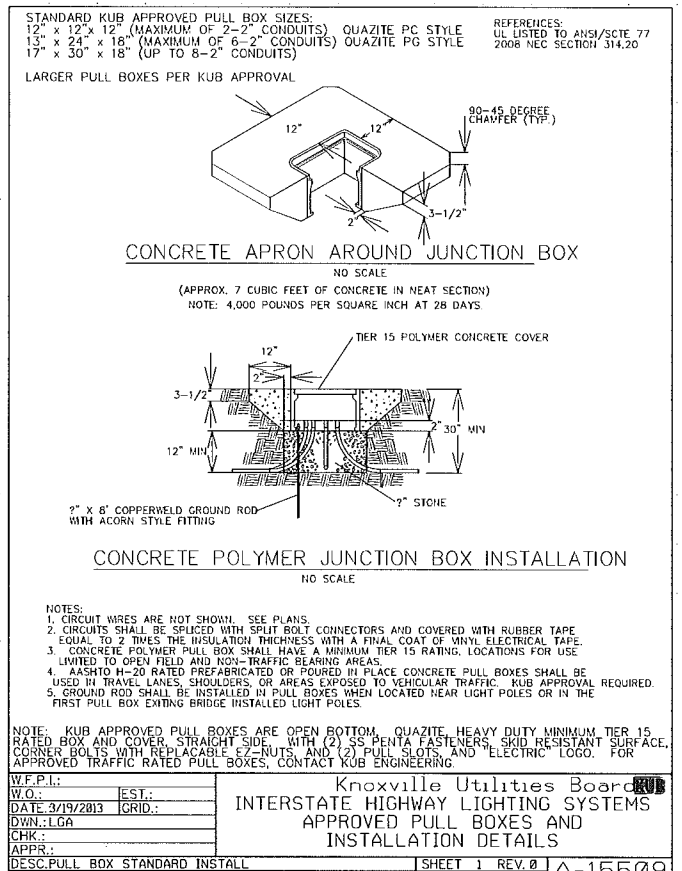
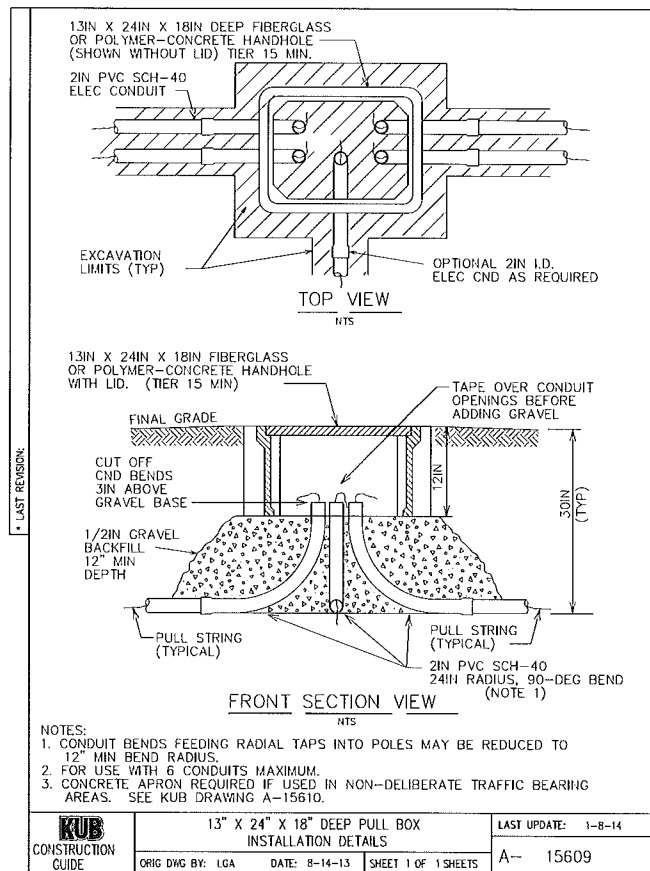
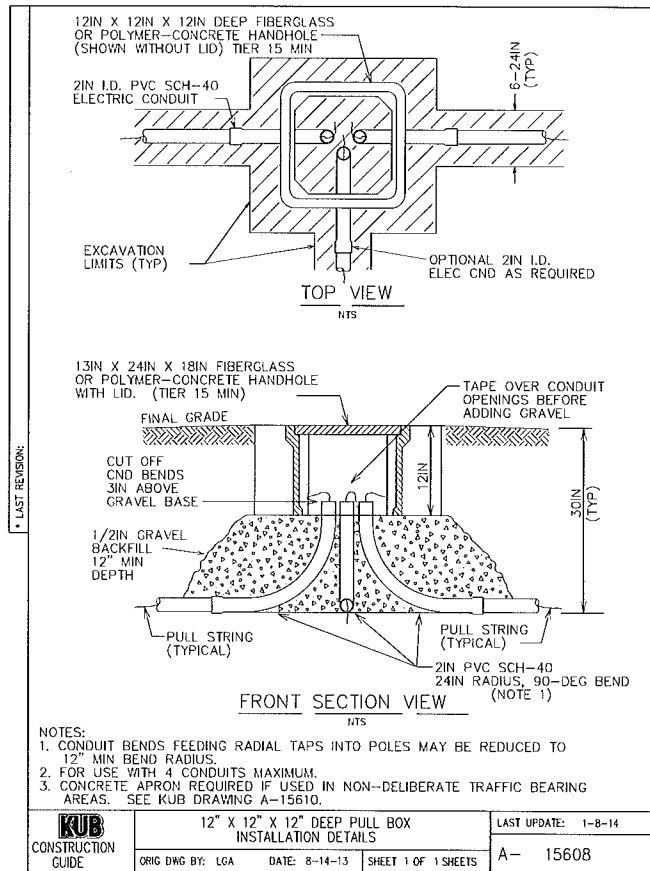


CITY OF KNOXVILLE, TN

LIGHTING
DETAILS

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	16A-S-0601	6C

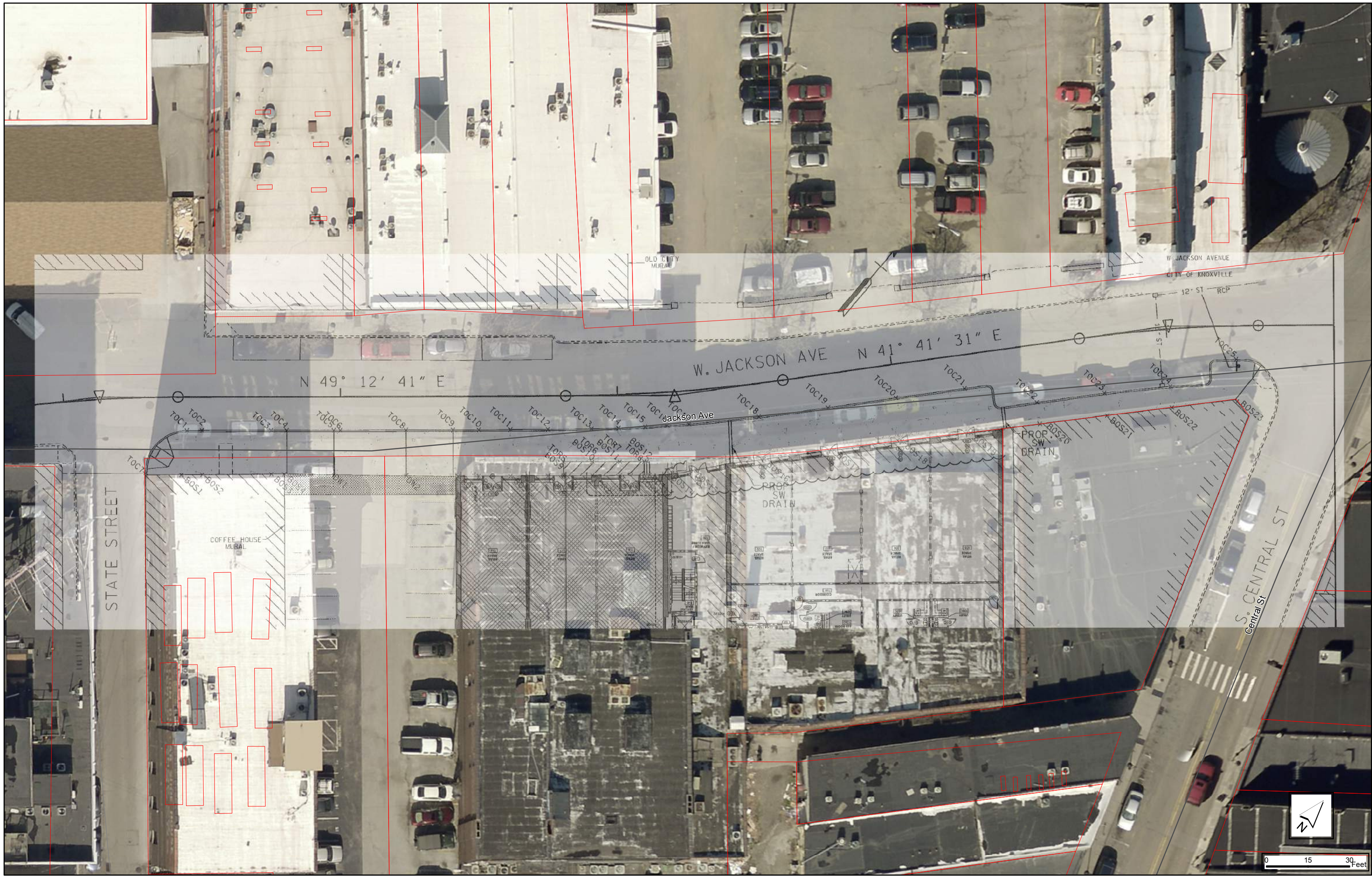
OLD CITY STREETScape - SOUTH SIDE OF W JACKSON AVENUE
CITY OF KNOXVILLE



CITY OF KNOXVILLE, TN

LIGHTING DETAILS

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OLD CITY MURAL

W. JACKSON AVENUE
CITY OF KNOXVILLE

N 49° 12' 41" E

W. JACKSON AVE N 41° 41' 31" E

Jackson Ave

STATE STREET

COFFEE HOUSE MURAL

PROP SW DRAIN

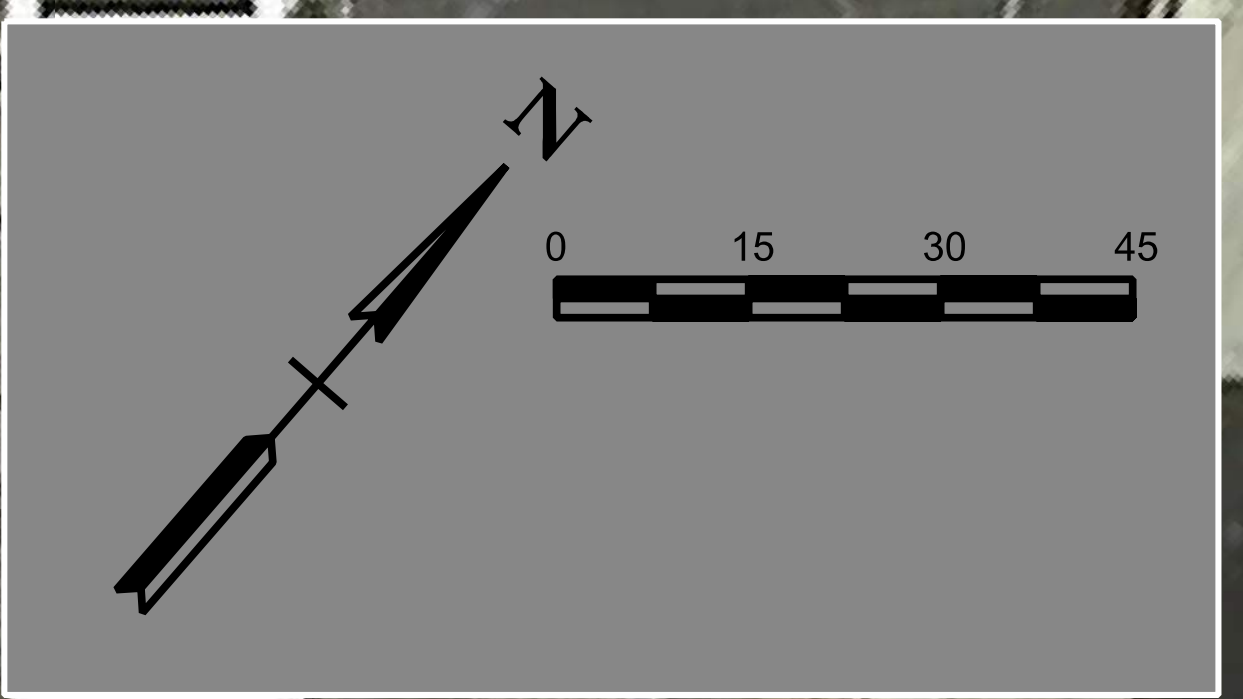
PROP SW DRAIN

S. CENTRAL ST
Central St

0 15 30 Feet



W. JACKSON AVENUE PHASE 1 - SOUTH SIDEWALK



PROP. SIDEWALK
AND CURB

PROP. LOADING ZONE

W. JACKSON AVENUE

CENTRAL STREET

STATE STREET

DRIVEWAY

16'

16'





H. DANIEL
CUSTOM TAILORS
JACKSON AVE

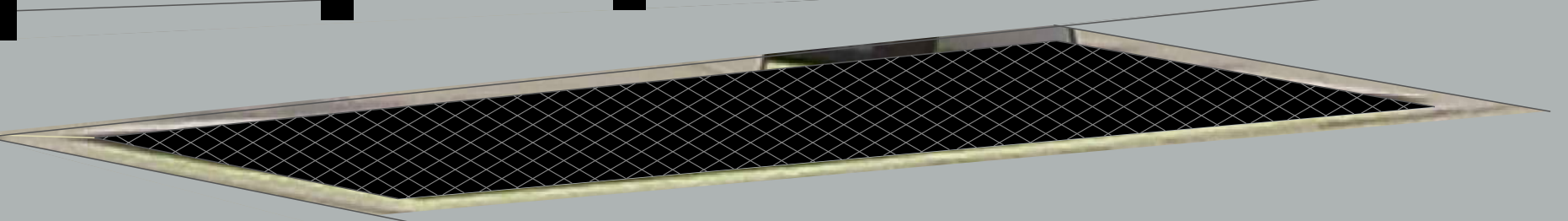
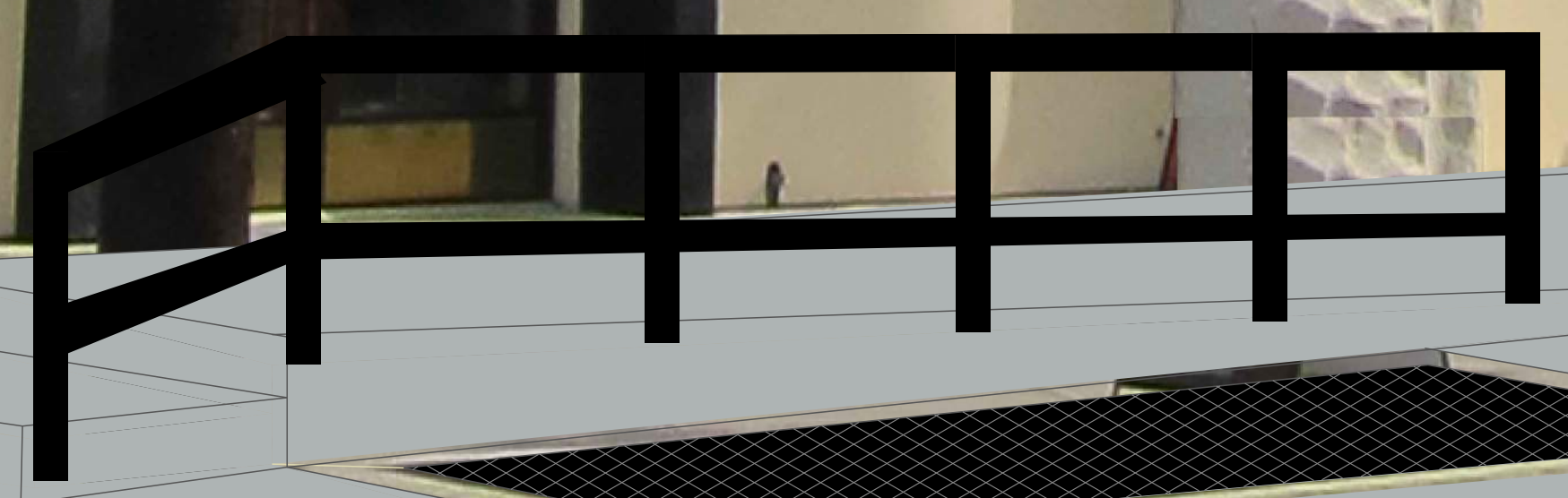
John H. Daniel Co.
CUSTOM TAILORS

John H. Daniel Co.
CUSTOM TAILORS

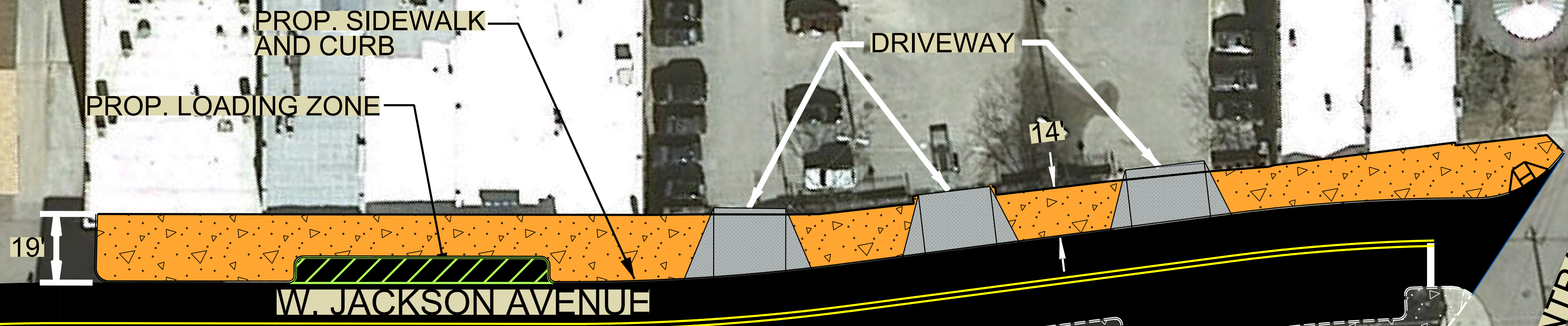
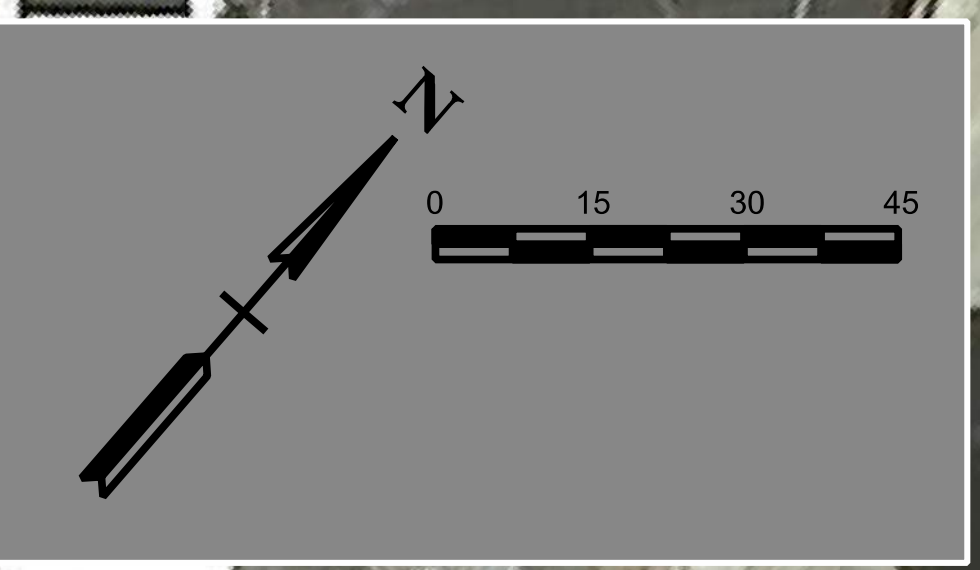
The Jungle
THE KING OF THE JUNGLE

oleRich

STORE HOURS
9:00 AM - 6:00 PM
MONDAY - FRIDAY



W. JACKSON AVENUE PHASE 1 - NORTH PRELIMINARY - UNDER DEVELOPMENT



STATE STREET

W. JACKSON AVENUE

CENTRAL STREET



FUTURE PHASE (NOT FOR APPROVAL)



FUTURE PHASE (NOT FOR APPROVAL)