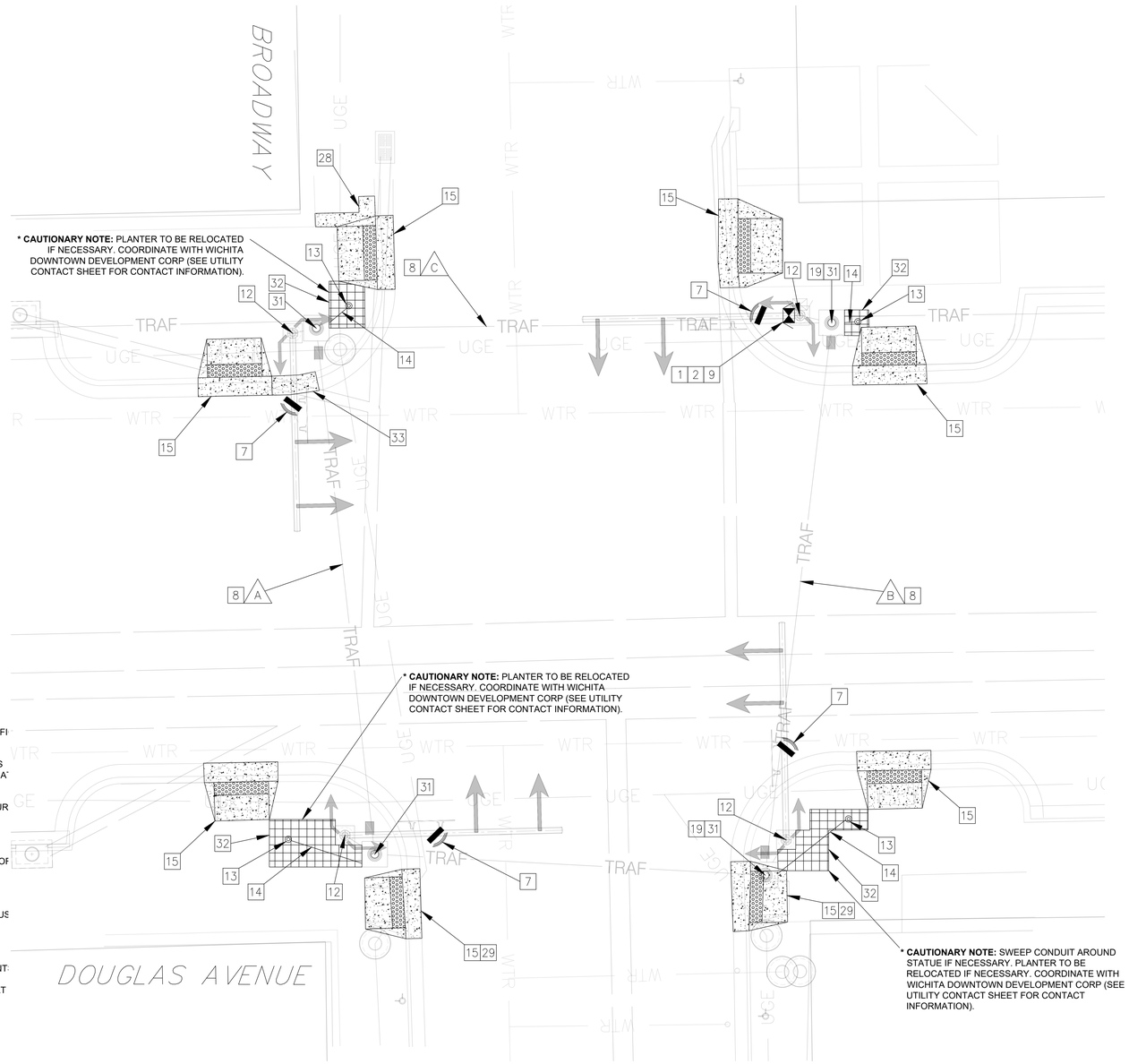
CONDUCTOR SCHEDULE (THIS SHEET ONLY)				
CONDUCTOR TYPE	FUNCTION	RUN A	RUN B	RUN C
RADAR DETECTION CABLE	RADAR DETECTION SYSTEM	1N	1N	2N
CONDUCTOR SIGNAL CABLE (5 CSC)	PEDESTRIAN PUSH-BUTTON	2N	2N	4N
CONDUIT SIZE		E	E	E
CONDUIT TYPE		E	E	E

(N) DENOTES NEW (E) DENOTES EXISTING



SCALE 1": 10'

NEW INSTALLATION QUANTITIES	
TRAFFIC SIGNAL CABINET	1
TRAFFIC SIGNAL CONTROLLER	1
PEDESTRIAN PUSH BUTTON ASSEMBLY	8
PEDESTRIAN PUSH BUTTON PEDESTAL	4
RADAR DETECTOR UNIT & MOUNTING BRACKET	4
RADAR DETECTION CABINET INTERFACE	1
RADAR DETECTION RACK CARDS	4
RADAR DETECTOR SYSTEM CABLE (LF)	695
WHEELCHAIR RAMP W/DETECTABLE WARNING	8
NEW CAP, RING, AND LID	2
2" HDPE CONDUIT (LF)	75
5-CSC CONDUCTOR SIGNAL CABLE (LF)	1100
MANHOLE ADJUSTMENT	2
CONCRETE PAVERS (SF)	230
CONCRETE SIDEWALK (SF)	20
CURB AND GUTTER (LF)	10

CONSTRUCTION NOTES:

1. REMOVE AND SALVAGE EXISTING TYPE 336 POLE-MOUNTED CABINET AND ASSEMBLY. FURNISH AND INSTALL NEW TYPE 336 STRETCH POLE-MOUNTED CABINET AND OTHER APPURTENANCES WITH NEW 3"C L-MOUNT ON EXISTING TRAFFIC SIGNAL POLE PER CITY SPECIFICATIONS. COMPLETE ALL CONNECTIONS PER MANUFACTURER'S SPECIFICATIONS FOR INTENDED OPERATIONS. TERMINATE EXISTING CONDUCTORS IN NEW CABINET. DISCONNECT AND RELOCATE EXISTING SERVICE WIRES. CONTRACTOR SHALL MAINTAIN TRAFFI SIGNAL OPERATIONAL AT ALL TIMES DURING THE INSTALLATION OF THE NEW TRAFFIC SIGNAL CABINET.
2. REMOVE AND SALVAGE EXISTING CONTROLLER. INSTALL CITY FURNISHED TRAFFIC SIGNAL CONTROLLER. COMPLETE ALL CONNECTIONS PER MANUFACTURER'S SPECIFICATIONS FOR THE INTENDED OPERATIONS. CONTRACTOR SHALL MAINTAIN TRAFFIC SIGNAL OPERATION A ALL TIMES DURING INSTALLATION OF THE NEW CONTROLLER. SIGNAL TIMINGS TO BE PROGRAMMED BY OTHERS.
7. FURNISH AND INSTALL NEW RADAR DETECTOR UNIT AND MOUNTING BRACKET PER MANUFACTURER'S INSTRUCTION. MANUFACTUR REPRESENTATIVE SHALL VERIFY PLACEMENT DURING INSTALLATION OF THE RADAR DETECTION SYSTEM .
8. INSTALL NEW RADAR DETECTOR UNIT CABLE PER CONDUCTOR SCHEDULE.
9. FURNISH, INSTALL AND CONFIGURE RADAR DETECTION INTERFACE AND RACK CARDS PER MANUFACTURER'S INSTRUCTION. CONTRACTOF SHALL COORDINATE WITH MANUFACTURER AND CITY FOR FINAL ACCEPTANCE OF THE RADAR DETECTION SYSTEM.
12. FURNISH AND INSTALL PEDESTRIAN PUSH BUTTON ASSEMBLY ON EXISTING TRAFFIC POLE PER CITY SPECIFICATIONS.
13. FURNISH AND INSTALL NEW PEDESTRIAN PUSH BUTTON PEDESTAL AND FOUNDATION COMPLETE. FURNISH AND INSTALL PEDESTRIAN PUS BUTTON ASSEMBLY ON PROPOSED PEDESTRIAN PUSH BUTTON PEDESTAL. FOUNDATION TO BE PAID BY SEPARATE LINE ITEM.
14. FURNISH AND INSTALL NEW 2" HIGH DENSITY POLYETHYLENE (HDPE) CONDUIT.
15. CONSTRUCT WHEELCHAIR RAMP W/DETECTABLE WARNINGS AS SHOWN. ANY ADDITIONAL CURB & GUTTER AND SIDEWALK IMPROVEMENT AROUND EACH RAMP AS SHOWN ON PLANS TO BE SUBSIDIARY TO THE BID ITEM "WHEELCHAIR RAMP W/DETECTABLE WARNINGS". CONTRACTOR SHALL CONSTRUCT RAMPS TO THE NEAREST CONCRETE OR BRICK JOINT LINE WHENEVER POSSIBLE AND SHALL CONSULT WITH THE ENGINEER AS NEEDED TO DETERMINE THE PAVING EXTENTS.
19. REPLACE EXISTING CAP, RING, AND LID FOR EXISTING SERVICE HOLE.
28. REMOVE AND REPLACE 4" CONCRETE SIDEWALK AS NEEDED FOR PEDESTRIAN PEDESTAL CONDUIT INSTALLATION.
29. ADJUST MANHOLE AS NECESSARY FOR RAMP CONSTRUCTION.
31. COIL 6 FEET (1.83 METERS) OF SIGNAL CABLE IN SERVICE BOX FOR SLACK PER CITY SPECIFICATIONS.
32. REMOVE AND REPLACE CONCRETE PAVERS AS NEEDED FOR PEDESTRIAN PEDESTAL CONDUIT INSTALLATION. ANY CONCRETE PAVERS REMOVED TO BE SALVAGED AND TRANSPORTED TO CMF.
33. REMOVE AND REPLACE CURB AND GUTTER IN ACCORDANCE WITH CITY SPECIFICATIONS.

LEGEND

- TRAFFIC SIGNAL CABINET
- RADAR DETECTION UNIT
- PEDESTRIAN PUSH–BUTTON PEDESTAL
- VIDEO DETECTION CAMERA

EROSION CONTROL NOTES

1. **BROADWAY:** INSTALL CURB INLET PROTECTION (8-INLETS) TO THE NEAREST DOWNSTREAM INLET ON ALL CORNERS OF THE INTERSECTION DURING SIDEWALK & RAMP CONSTRUCTION.

THIS PLAN IS ACCURATE FOR EQUIPMENT UPGRADE WORK ONLY.

PLANS PREPARED BY:
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Santa Ana, CA 92705-5551
Phone: (949)270-9400
Fax: (949) 270-9481

BAUGHMAN COMPANY
315 Ellis St. Wichita, KS 67211 316-262-7271
BaughmanCo.com

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ONE CALL KANSAS
KS: (800) 344-7233 WICHITA: (316) 687-2470
The Contractor shall provide a minimum advance notice of TWO (2) Working Days to Utility Companies prior to any excavation.

REVISIONS			
NO.	DATE	DESCRIPTION	APP.

REFERENCES	
BENCH MARK NO.	
ELEVATION	
DESCRIPTION	
BASIS OF BEARING	

DESIGNED BY: BAUGHMAN CO. & ITERIS, INC	DATE 05/07/21	CHECKED BY: STEVEN P. GARBE	DATE 05/07/21
DRAWN BY: BAUGHMAN CO. & ITERIS, INC	05/07/21		
RECOMENDED BY:			
APPROVED BY:			

STEVEN PHILLIP GARBE LICENSED 16369 KANSAS PROFESSIONAL ENGINEER
P. E. SEAL

DOUGLAS AVENUE TRAFFIC SIGNAL IMPROVEMENTS

DOUGLAS AVENUE EQUIPMENT UPGRADES
BROADWAY

CITY OF WICHITA

SHEET
11 **OF** 23

PLAN NUMBER