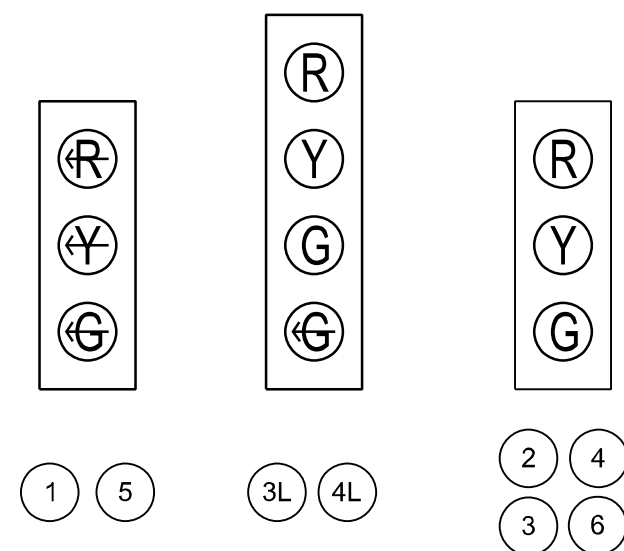
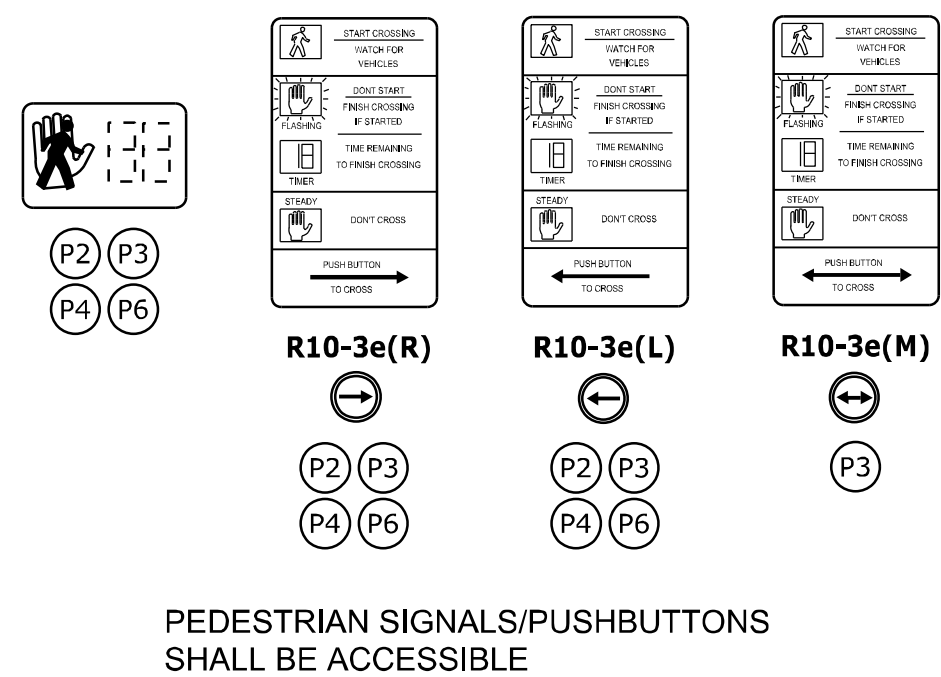


**PROPOSED SIGNAL HEADS**



**PROPOSED PEDESTRIAN SIGNAL DETAILS**



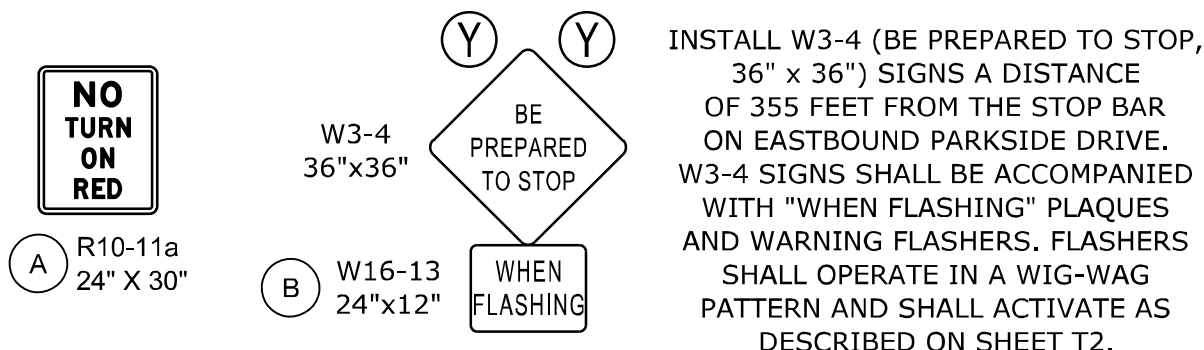
**STREET NAME SIGNS (SNS)**

OVERHEAD STREET NAME SIGNS SHALL BE INSTALLED ON SIGNAL MAST ARMS. SIGNS SHALL POSSESS MINIMUM 12" UPPERCASE AND 9" LOWERCASE LETTERS, WITH FINAL STREET NAME SIGN LEGEND DESIGN COORDINATED WITH CITY OF KNOXVILLE.

**PULL BOX SIZING NOTE**

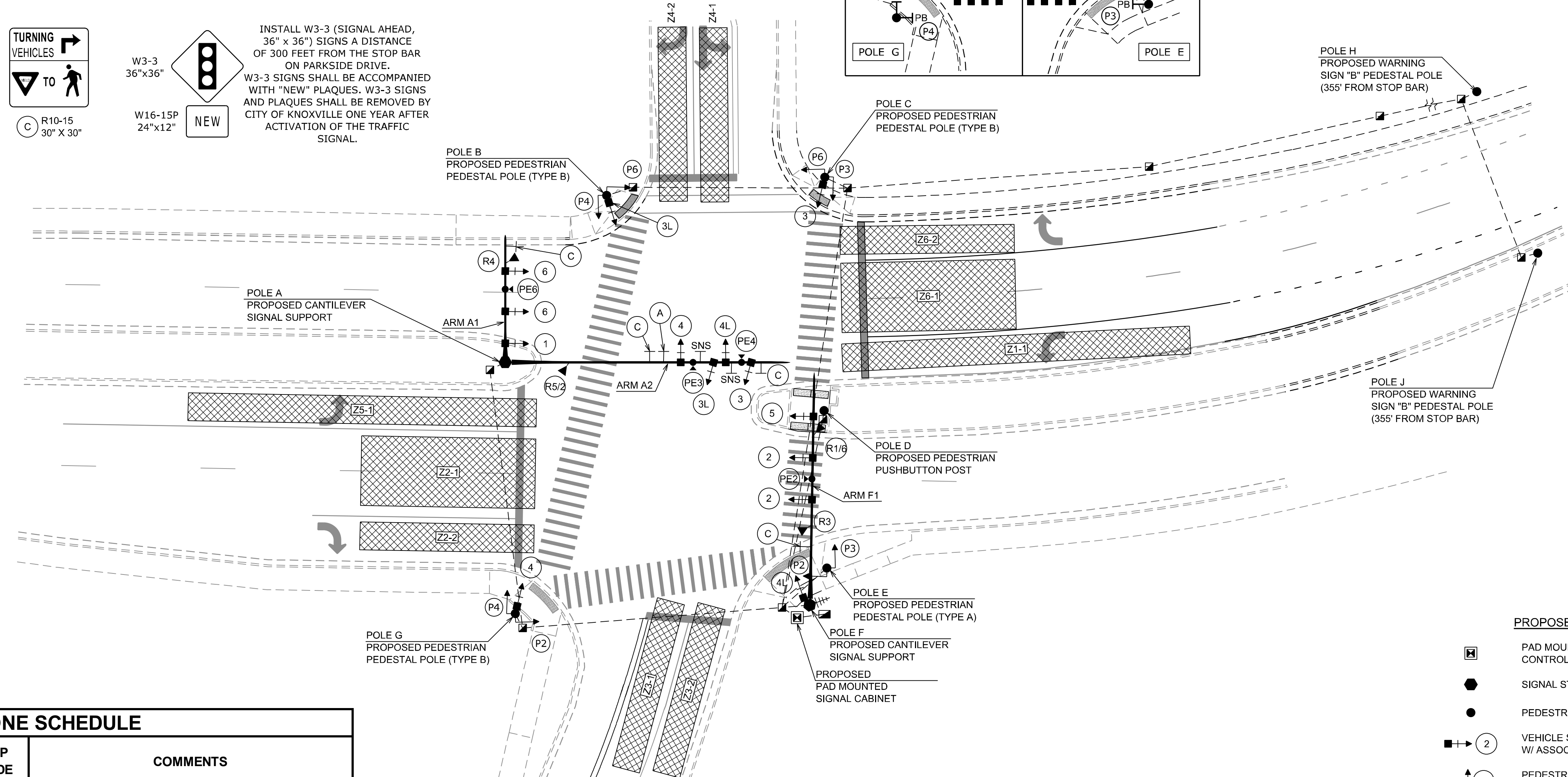
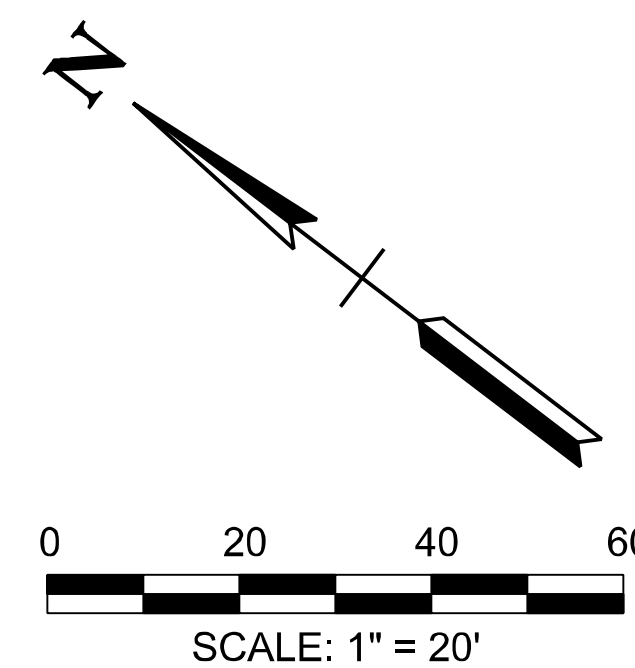
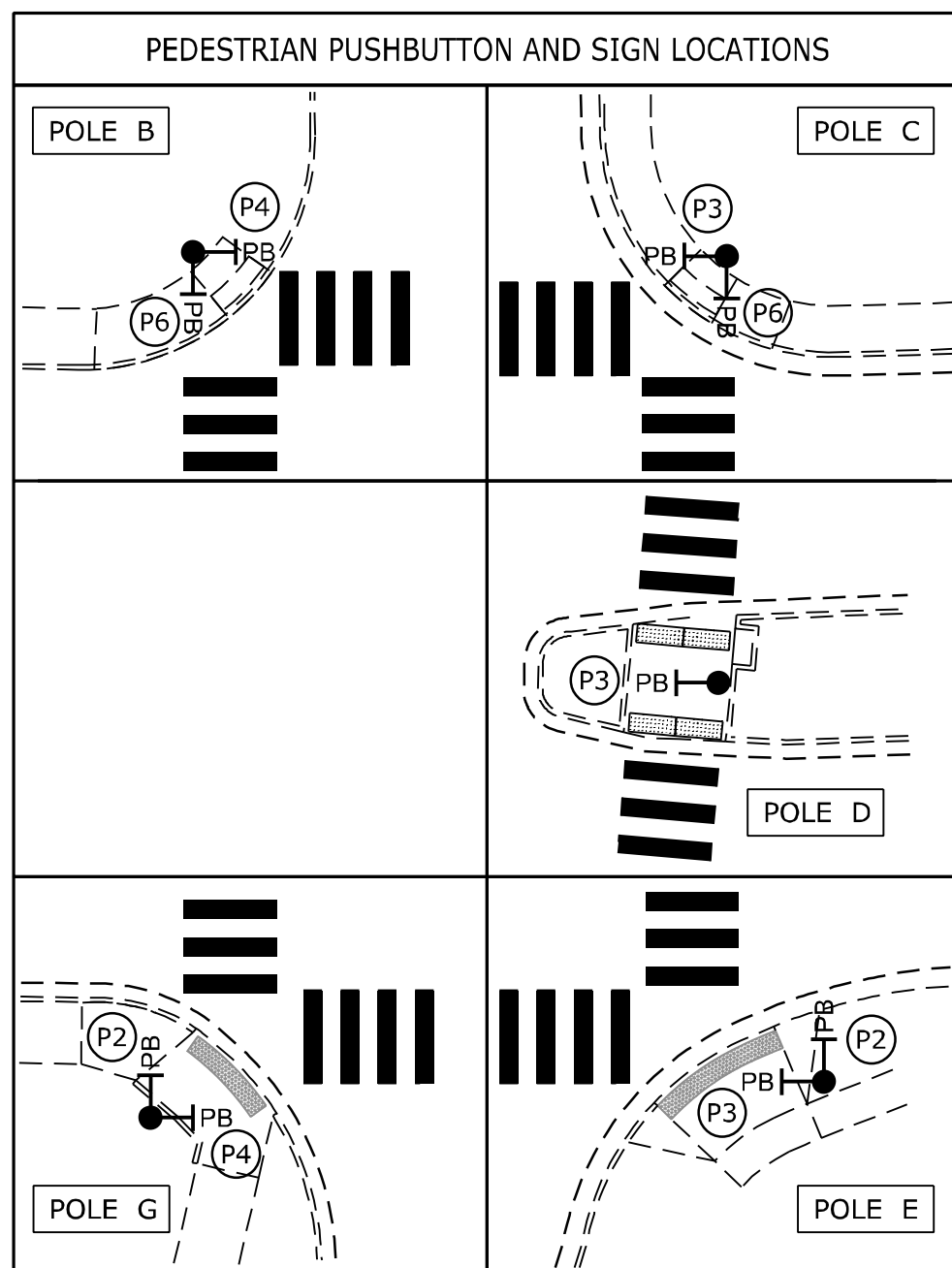
LARGER SIZED PULL BOXES (17" x30" x18") SHALL BE USED AS NEEDED WHERE THERE ARE MANY CONDUITS AND SIGNAL CABLES IN A PULL BOX LOCATION.

**PROPOSED SIGNS**



INSTALL W3-4 (BE PREPARED TO STOP, 36" x 36") SIGNS A DISTANCE OF 355 FEET FROM THE STOP BAR ON EASTBOUND PARKSIDE DRIVE. W3-4 SIGNS SHALL BE ACCOMPANIED WITH "WHEN FLASHING" PLAQUES AND WARNING FLASHERS. FLASHERS SHALL OPERATE IN A WIG-WAG PATTERN AND SHALL ACTIVATE AS DESCRIBED ON SHEET T2.

INSTALL W3-3 (SIGNAL AHEAD, 36" x 36") SIGNS A DISTANCE OF 300 FEET FROM THE STOP BAR ON PARKSIDE DRIVE. W3-3 SIGNS SHALL BE ACCOMPANIED WITH "NEW" PLAQUES. W3-3 SIGNS AND PLAQUES SHALL BE REMOVED BY CITY OF KNOXVILLE ONE YEAR AFTER ACTIVATION OF THE TRAFFIC SIGNAL.



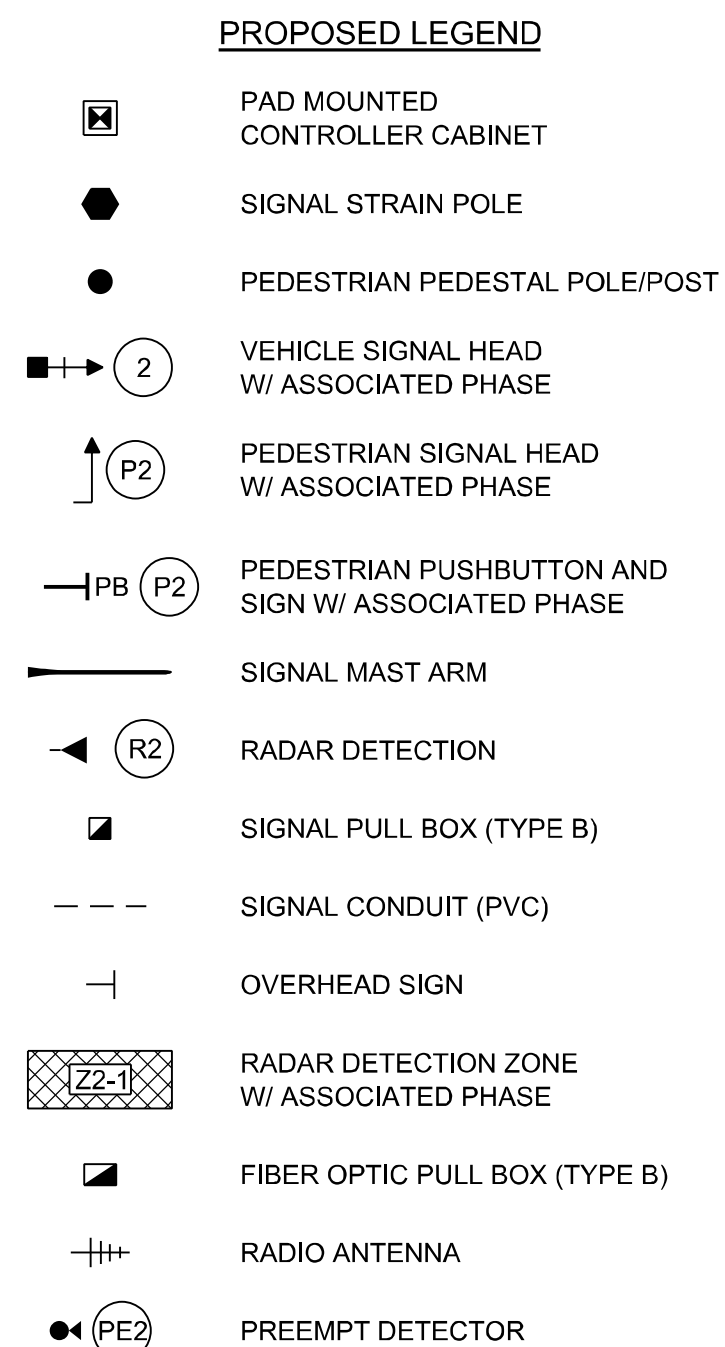
DETECTION ZONE SCHEDULE					
ASSOC. ZONE	DETECTOR ID	ZONE DIMENSIONS	ASSOC. PHASE	AMP MODE	COMMENTS
1-1	Z1-1	8 x 100	1	PRES.	DELAY/NORMAL W/ 3 SEC. DELAY
2-1	Z2-1	20 x 50	2	PRES.	NORMAL
2-2	Z2-2	8 x 50	2	PRES.	NORMAL
3-1	Z3-1	8 x 50	3	PRES.	DELAY/NORMAL W/ 3 SEC. DELAY
3-2	Z3-2	8 x 50	3	PRES.	DELAY/NORMAL W/ 10 SEC. DELAY
4-1	Z4-1	8 x 50	4	PRES.	DELAY/NORMAL W/ 3 SEC. DELAY
4-2	Z4-2	8 x 50	4	PRES.	NORMAL
5-1	Z5-1	8 x 100	5	PRES.	DELAY/NORMAL W/ 3 SEC. DELAY
6-1	Z6-1	20 x 50	6	PRES.	NORMAL
6-2	Z6-2	8 X 50	6	PRES.	NORMAL

NOTES:

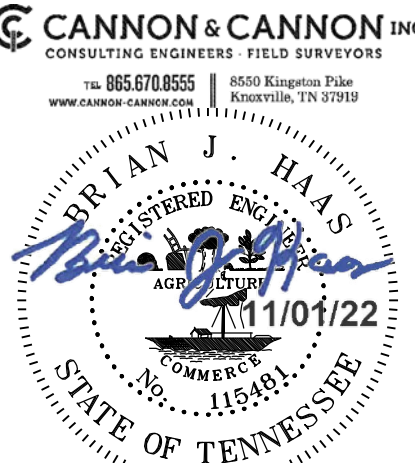
- RADAR DETECTOR UNITS ON PLANS ARE SUGGESTED PLACEMENT. FINAL PLACEMENT SHALL BE BASED ON MANUFACTURER RECOMMENDATIONS.
- DETECTORS SPECIFIED AS DELAY/NORMAL SHALL HAVE A TIME DELAYED OUTPUT WHEN ASSOCIATED PHASE NOT GREEN (DELAY SETTINGS AS SPECIFIED). OUTPUT SHALL BE NORMAL WHEN ASSOCIATED PHASE IS GREEN.

PROPOSED POLE LOCATIONS				
POLE ID	POLE TYPE	POLE HEIGHT	NORTHING	EASTING
A	MAST ARM	22'	575841.98	2517708.73
B	PEDESTAL TYPE B	20'	575847.92	2517764.49
C	PEDESTAL TYPE A	8'	575801.29	2517806.68
D	PUSHBUTTON POST	5'	575760.80	2517753.29
E	PEDESTAL TYPE B	20'	575732.72	2517717.86
F	MAST ARM	22'	575730.19	2517706.42
G	PEDESTAL TYPE B	20'	575795.88	2517653.15

\*COORDINATES FOR PROPOSED POLE LOCATIONS SHOULD BE FIELD VERIFIED WITH PROPOSED POLE LOCATIONS SHOWN ON THIS SHEET.  
 \*CONTRACTOR TO VERIFY MAST POLE HEIGHTS AND VERTICAL CLEARANCES PRIOR TO ORDERING POLES.



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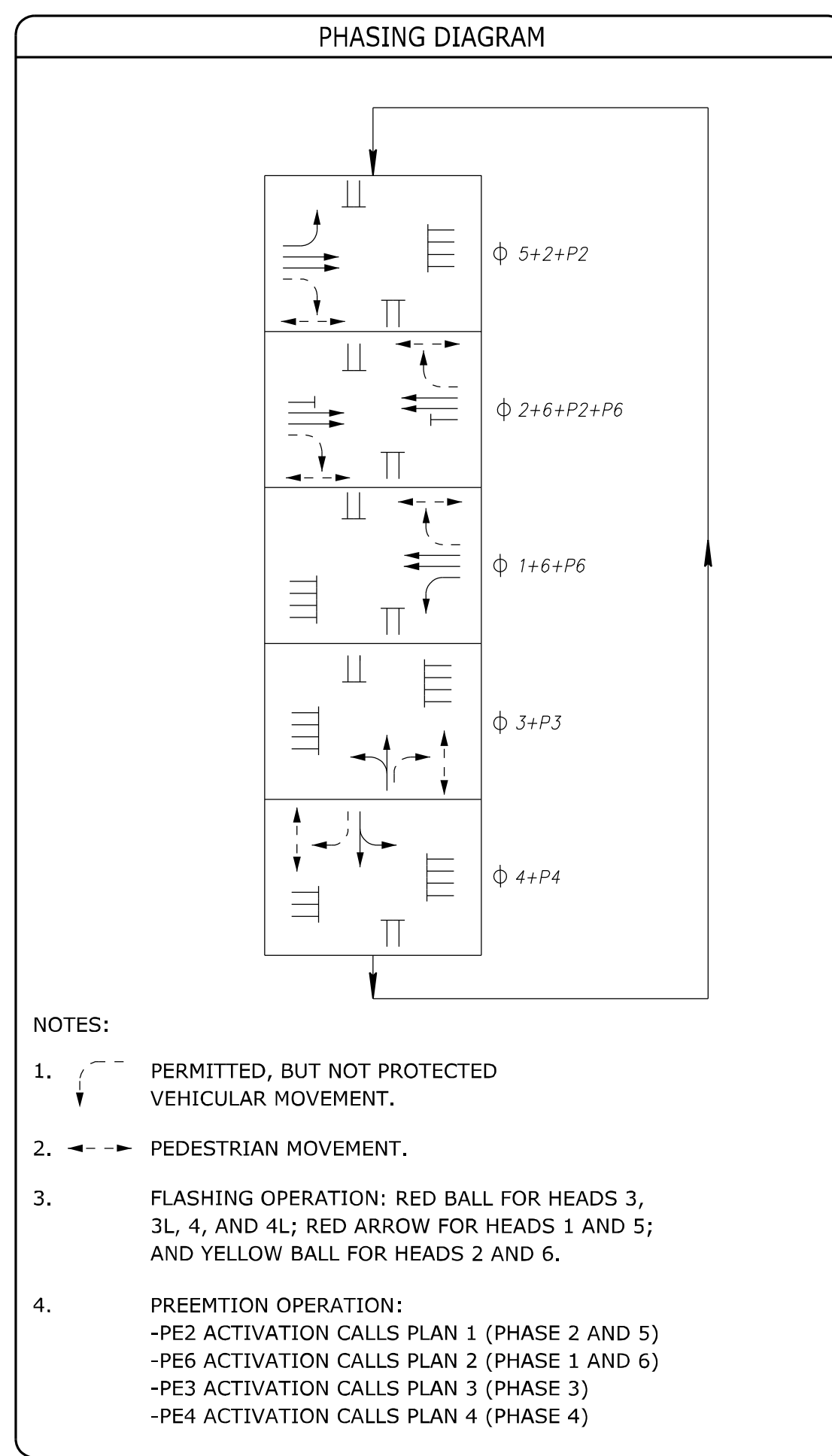
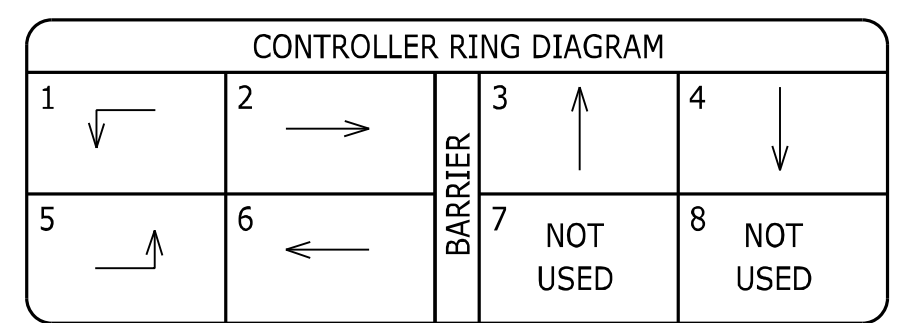
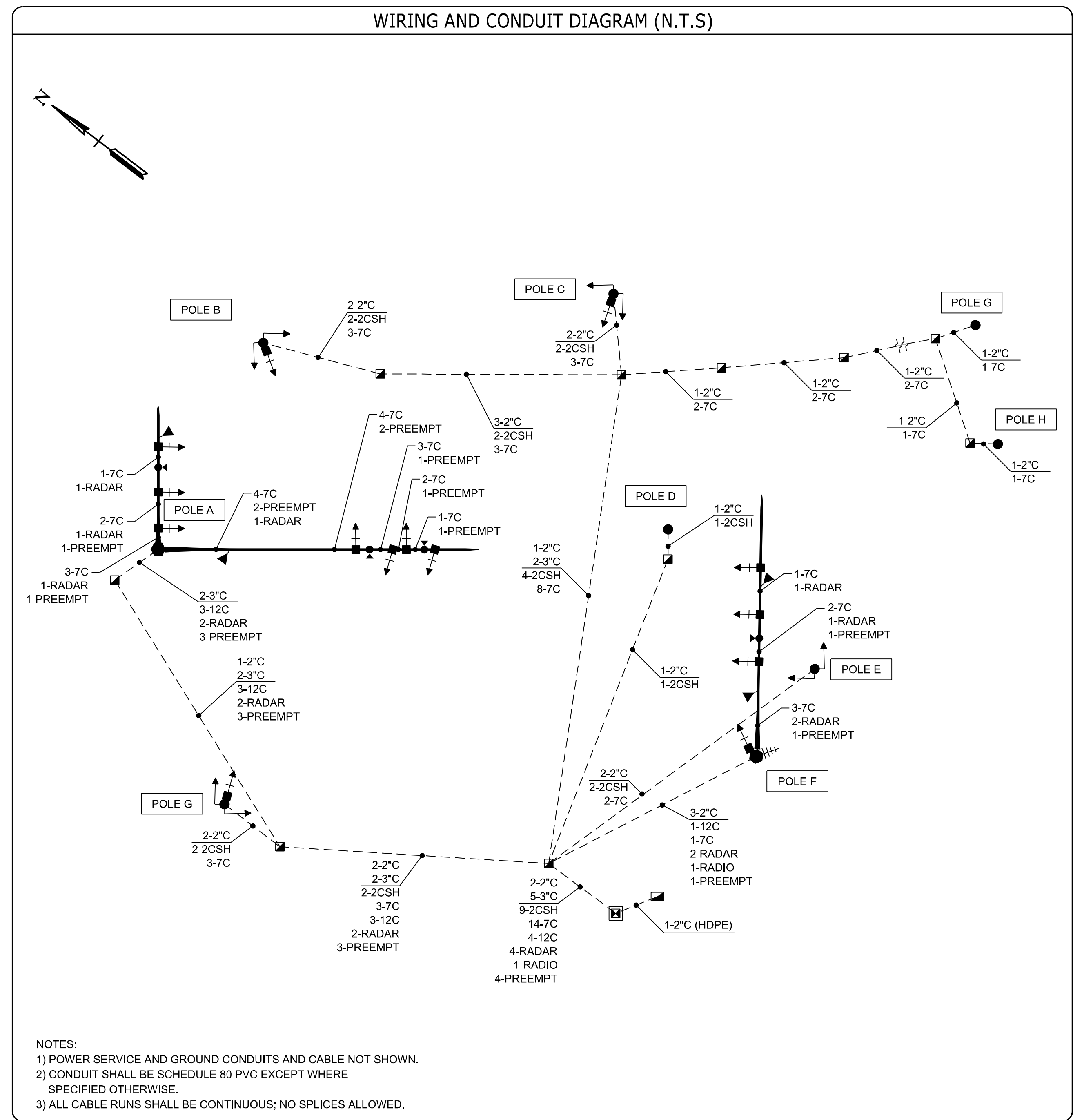
NO.	DATE	DESCRIPTION	BY	CHK	APP
5	11/01/2022	INCREASED MAST ARM LENGTH OF POLE F			
4	10/20/2022	REVISED PER CITY OF KNOXVILLE COMMENTS			
3	10/05/2022	REVISED SIGNAL POLE LOCATIONS			
2	12/02/2021	ADDED PULL BOX SIZING NOTE			
1	10/28/2021	REVISED PER CITY OF KNOXVILLE COMMENTS			

**PROPOSED SIGNAL LAYOUT**

**PERMIT SET**  
DOMINION TURKEY CREEK  
KNOXVILLE, KNOX COUNTY, TENNESSEE

PROJECT NUMBER  
**5143-20-039**

DRAWING NUMBER  
**T1**



PHASE	MINIMUM INITIAL	VEHICLE INTERVAL	MAX I	MAX II	CLEARANCE		PEDESTRIAN		RECALL TO	MEMORY POSITION	LEFT TURN OPERATION
					YELLOW	ALL RED	WALK	FLASHING DON'T WALK			
					1	6	1.0	20			
2	15	2.0	60	75	4.5	1.0	7.0	18.0		OFF	
3	6	2.0	20	30	4.0	2.5	7.0	25.0		OFF	SPLIT
4	6	2.0	20	30	4.0	2.5	7.0	27.0		OFF	SPLIT
5	6	1.0	20	30	4.0	2.5				OFF	PROT
6	15	2.0	60	75	4.5	1.0	7.0	11.0	MIN	OFF	

ADVANCE WARNING FLASHERS FOR THE WESTBOUND PARKSIDE DRIVE APPROACH SHALL ACTIVATE 7 SECONDS PRIOR TO THE ONSET OF THE PHASE 6 YELLOW CHANGE INTERVAL. ADVANCE WARNING FLASHERS SHALL DEACTIVATE AT THE ONSET OF THE PHASE 6 GREEN INTERVAL.

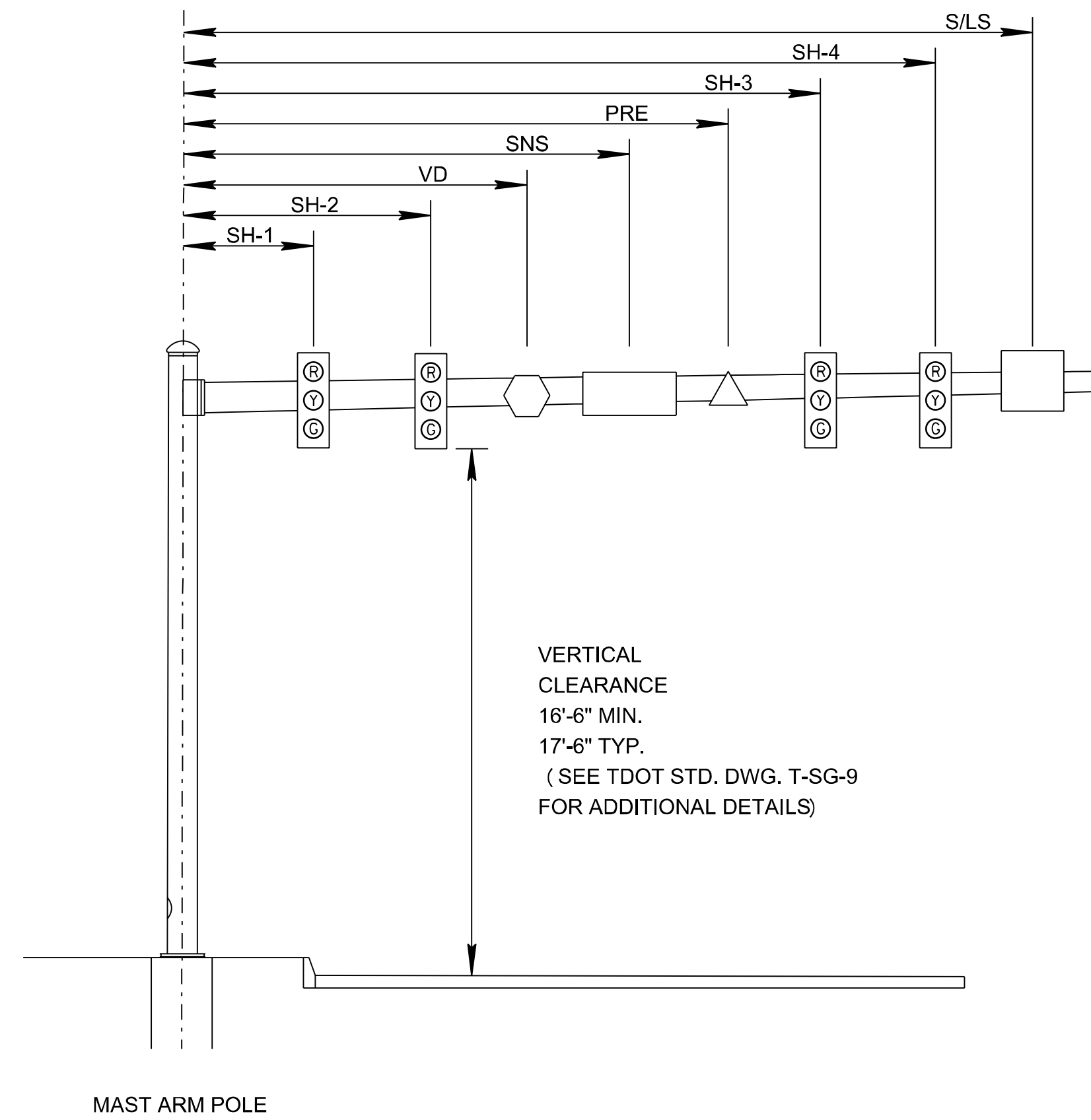
NO.	DATE	DESCRIPTION	BY	CHK	APP
4	11/01/22	INCREASED MAST ARM LENGTH OF POLE F			
3	10/20/22	REVISED PER CITY OF KNOXVILLE COMMENTS			
2	10/05/22	UPDATED PER REVISED POLE LOCATIONS			
1	10/28/21	REVISED PER CITY OF KNOXVILLE COMMENTS			

**SIGNAL OPERATIONAL SETTINGS**

**PERMIT SET**  
**DOMINION TURKEY CREEK**  
**KNOXVILLE, KNOX COUNTY, TENNESSEE**

PROJECT NUMBER  
**5143-20-039**  
DRAWING NUMBER

T2



S: SIGN  
 SNS: STREET NAME SIGN  
 SH-X: SIGNAL HEAD  
 VD: RADAR VEHICLE DETECTOR  
 PRE: PREEMPTION DETECTOR

### TYPICAL SIGNAL SUPPORT POLE DATA TABLE

SIGNAL SUPPORT POLE DATA AND MAST ARM DETAILS															
POLE NO.	ARM	ARM LENGTH	SNS-1	SNS-2	VD-1	VD-2	SH-1	PRE-1	PRE-2	SH-2	SH-3	SH-4	S-1	S-2	S-3
A	A1	35'			30'		4'	19.5'					31.5'		
A	A2	80'	54.5'	63.5'	16.5'		48.5'	52'	66'	57.5'	61.5'	68.5'	39.5'	43.5'	72'
F	F1	65'			21'	47'	28.5'	34.5'		40.5'	52.5'		15'		

**LEGEND**

- SIGNAL HEAD
- STREET NAME SIGN
- SIGN
- RADAR VEHICLE DETECTOR
- PREEMPTION DETECTOR

NO.	DATE	DESCRIPTION	BY	CHK	APP
5	12/02/2022	CORRECTED POLE F LABEL ON DATA TABLE			
4	11/01/2022	INCREASED MAST ARM LENGTH OF POLE F			
3	10/20/2022	REVISED PER CITY OF KNOXVILLE COMMENTS			
2	10/05/2022	UPDATED PER REVISED POLES			
1	10/28/2021	REVISED PER CITY OF KNOXVILLE COMMENTS			

**SIGNAL POLE TABLE**

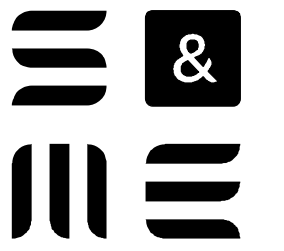
PERMIT SET  
 DOMINION TURKEY CREEK  
 KNOXVILLE, KNOX COUNTY, TENNESSEE

PROJECT NUMBER  
**5143-20-039**

DRAWING NUMBER  
**T3**

# TRAFFIC SIGNAL NOTES

- (1) THE DESIGN OF TRAFFIC SIGNAL SUPPORT POLES, MAST ARMS, STRAIN POLES, ETC. SHALL BE IN CONFORMANCE WITH THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS. CURRENT EDITION. OVERHEAD CANTILEVERED TRAFFIC SIGNAL STRUCTURES SHALL BE DESIGNED FOR FATIGUE CATEGORY 1.
- (2) FINAL DESIGN OF POLES AND FOUNDATIONS ARE THE RESPONSIBILITY OF THE POLE MANUFACTURER.
- (3) EQUIPMENT AND INSTALLATION SHALL COMPLY WITH THE TDOT "SPECIAL PROVISIONS REGARDING SECTION 730K-TRAFFIC SIGNALS."
- (4) ALL EQUIPMENT SHALL MEET ALL APPLICABLE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION STANDARDS.
- (5) ALL CIRCULAR AND ARROW INDICATIONS WITHIN ALL VEHICULAR SIGNAL HEADS PROPOSED FOR THIS PROJECT SHALL CONSIST OF AN INCANDESCENT-LOOK LED (LIGHT EMITTING DIODE) SIGNAL MODULE.
- (6) CIRCULAR INDICATIONS SHALL MEET "ITE VTC SH-LED CIRCULAR SIGNAL SUPPLEMENT" FOR EXPANDED/EXTENDED VIEW.
- (7) ARROW INDICATIONS SHALL MEET "ITE VTC SH-3 LED ARROW SPECIFICATION" FOR EXPANDED/EXTENDED VIEW.
- (8) ALL TRAFFIC SIGNAL HEADS SHALL HAVE YELLOW ALUMINUM HOUSINGS WITH 5-INCH LOUVERED BLACK ALUMINUM BACKPLATES. ALL BACKPLATES SHALL HAVE A 2-INCH YELLOW REFLECTIVE STRIP AROUND THE BORDER.
- (9) ALL VEHICULAR SIGNAL DISPLAYS SHALL BE 12 INCHES.
- (10) ANY SIGNAL HEADS, WHEN VISIBLE TO DRIVERS BUT NOT OPERATIONAL, SHALL BE COMPLETELY COVERED UNTIL SIGNAL IS OPERATIONAL.
- (11) INCANDESCENT OR SCREW-IN MODULES ARE NOT ACCEPTABLE.
- (12) COMPATIBILITY WITH CONFLICT MONITORS AND LOAD SWITCHES SHALL BE TESTED AND CONFIRMED.
- (13) VEHICULAR SIGNAL HEAD LENSES SHALL BE CLEAR LENSES WITH COLOR LED'S.
- (14) MANUFACTURER SHALL PROVIDE A MINIMUM FIVE-YEAR WARRANTY FOR OPERATION OF THE LED'S.
- (15) PEDESTRIAN SIGNAL HEADS SHALL HAVE YELLOW COLOR HOUSINGS. ALL PEDESTRIAN TRAFFIC SIGNAL INDICATIONS SHALL CONSIST OF LED MODULES DISPLAYING "WALKING PERSON" AND "HAND" SYMBOLS, ALONG WITH A PEDESTRIAN COUNTDOWN INTERVAL DISPLAY, WITHIN THE SAME FACE.
- (16) PEDESTRIAN INDICATIONS SHALL MEET "ITE PTC S1 PART 2".
- (17) PEDESTRIAN PUSHBUTTONS SHALL BE FULLY ACCESSIBLE AND AUDIBLE AND COMPLIANT WITH ALL REQUIREMENTS OF THE MUTCD, ADA, AND PROWAG.
- (18) THE CONTRACTOR SHALL STAKE THE LOCATION OF SIGNS, POLES, PULL BOXES, AND SIGNAL CABINET PRIOR TO INSTALLATION AND SHALL CONTACT CITY OF KNOXVILLE ENGINEERING FOR APPROVAL.
- (19) CLOSELY COORDINATE FOOTING INSTALLATIONS WITH EXISTING UTILITIES. HAND DIG FOUNDATION AS REQUIRED.
- (20) LOCATIONS OF SIGNAL POLES AND PULL BOXES ARE APPROXIMATE AND CAN BE ADJUSTED UP TO 2 FEET IN THE FIELD TO AVOID UTILITY CONFLICT, SUBJECT TO THE APPROVAL OF CITY OF KNOXVILLE ENGINEERING. IF SIGNAL POLES REQUIRE RELOCATION, CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO ESTABLISH LOCATIONS OF ADDITIONAL SIDEWALK OR PUSHBUTTON POSTS TO MAINTAIN ADA ACCESSIBILITY TO PUSHBUTTONS.
- (21) EACH POLE FOUNDATION SHALL INCLUDE AT LEAST ONE SPARE 2-INCH CONDUIT.
- (22) THE TRAFFIC SIGNAL CONTROLLER SHALL BE TRAFFICWARE NEMA ATC 980 SERIES.
- (23) THE CABINET SHALL BE TRAFFIC WARE CITY OF KNOXVILLE SPEC NEMA TS2 TYPE 2.
- (24) THE CABINET FOUNDATION SHALL INCLUDE AT LEAST ONE SPARE 2-INCH CONDUIT.
- (25) ETHERNET RADIOS SHALL BE MICROHARD NANO IPN920T MODEL.
- (26) ETHERNET SWITCH SHALL BE COMNET CNGE5MS MODEL.
- (27) ALL CONDUIT UNDER PAVEMENT SHALL BE PVC OR HDPE AND SHALL BE SCHEDULE 80.
- (28) ALL ABOVE GROUND CONDUIT SHALL BE RIGID GALVANIZED STEEL.
- (29) RADAR DETECTION SHALL BE WAVETRONIX SMARTSENSOR MATRIX. THE RADAR DETECTOR UNITS SHALL BE PLACED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
- (30) PREEMPTION DETECTION SHALL BE SONEM 2000. THE PREEMPTION DETECTOR UNITS SHALL BE PLACED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
- (31) EACH RADAR SHALL HAVE A SEPARATE CONTINUOUS LEAD-IN CABLE TO THE CONTROLLER CABINET. ALL LEAD-IN CABLES SHALL BE LABELED WITH THE APPROPRIATE PHASE AND APPROACH TO WHICH THEY ARE ATTACHED BOTH IN THE PULL BOX AND CONTROLLER CABINET.
- (32) THE CABINET SHALL BE ORIENTED SUCH THAT SOMEONE FACING THE FRONT DOOR OF THE CABINET IS FACING TOWARD THE INTERSECTION. SEE CITY OF KNOXVILLE STANDARD DRAWING COK-SG-5 FOR CONTROL CABINET BASE DESIGN.
- (33) THE CABINET SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
  - A. A TS-2 TYPE 2 SIXTEEN PHASE CABINET,
  - B. A TRAFFICWARE 980 ATC CONTROLLER WITH FLASH MEMORY AND ETHERNET PORTS AND CABLES,
  - C. A TRAFFICWARE MMU 516L-E SIGNAL MONITOR WITH ETHERNET PORTS AND CABLE,
  - D. SIXTEEN LOAD SWITCHES,
  - E. EIGHT TRANSFER RELAYS,
  - F. RADAR DETECTION SYSTEM WITH EQUIPMENT FOR FOUR APPROACHES (OR AS APPROPRIATE FOR THE NUMBER OF MOVEMENTS FOR EACH INTERSECTION),
  - G. FLASHER AND ANY OTHER EQUIPMENT NECESSARY TO MAKE AN OPERATIONAL TRAFFIC SIGNAL BASED ON THE DESIGN PLANS PROVIDED,
  - H. CLOSED LOOP SIDE PANNEL,
  - I. LAYER 2 ETHERNET SWITCH,
  - J. A ZINC FIVE UPSTEALTH BATTERY BACKUP CONFORMING TO CITY OF KNOXVILLE STANDARDS.
- (34) THE SIGNAL CONTRACTOR SHALL ARRANGE FOR INSPECTION OF THE NEW SIGNAL CONSTRUCTION BY CITY OF KNOXVILLE FOR THE FOLLOWING MILESTONES:
  - A. POLE FOUNDATION BEFORE POURING CONCRETE,
  - B. CONDUIT AND PULL BOXES BEFORE CABLE IS INSTALLED,
  - C. DIRECTIONAL BORED CONDUIT INSTALLATION,
  - D. RADAR DETECTION INSTALLATION,
  - E. CONTROLLER CABINET AND ELECTRICAL SERVICE INSTALLATION,
  - F. CABLE AND SIGNAL HEAD INSTALLATION,
  - G. RADIO INTERCONNECT COMMUNICATION INSTALLATION,
  - H. FINAL WIRING AND OPERATION,
  - I. COORDINATION OPERATION AND TIMING,
  - J. FINAL COMPLETE INSPECTION.
- (35) ALL SIGNAL CABLE SHALL BE INTERNATIONAL MUNICIPAL SIGNAL ASSOCIATION (IMSA) APPROVED CABLE:
  - A. TRAFFIC SIGNAL CABLE SHALL BE IMSA SPECIFICATION 20-1, 12 CONDUCTOR STRANDED WIRE,
  - B. PEDESTRIAN SIGNAL CABLE SHALL BE IMSA SPECIFICATION 20-1, 7 CONDUCTOR STRANDED WIRE,
  - C. PEDESTRIAN PUSHBUTTON CABLE SHALL BE IMSA SPECIFICATION 50-2, 2 CONDUCTOR SHIELDED WIRE,
  - D. RADAR DETECTION CABLE SHALL BE PER MANUFACTURER SPECIFICATIONS,
  - E. RADIO CABLE SHALL BE PER MANUFACTURER SPECIFICATIONS.
- (36) THE CONTRACTOR SHALL NOTIFY CITY OF KNOXVILLE (EVAN HOFFMAN, 865-215-6147) OF THE DATE AND TIME OF THE PROJECT FINAL INSPECTION. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE BUSINESS DAYS PRIOR TO THE INSPECTION.
- (37) THE CONTRACTOR SHALL CONTACT CITY OF KNOXVILLE ENGINEERING ONE DAY PRIOR TO CONCRETE PLACEMENT AND CONDUIT PLACEMENT TO SCHEDULE INSPECTION.
- (38) CONTACT CITY OF KNOXVILLE ENGINEERING (EVAN HOFFMAN) TO OBTAIN COORDINATED SIGNAL TIMING.
- (39) FULL ACTIVATION OF TRAFFIC SIGNAL SHALL TAKE PLACE ON A TUESDAY, WEDNESDAY, OR THURSDAY ONLY.
- (40) THE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS TO CITY OF KNOXVILLE ENGINEERING IF CONSTRUCTION OF THE TRAFFIC SIGNAL DEVIATES FROM THE TRAFFIC SIGNAL PLAN.
- (41) THE CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO CITY OF KNOXVILLE ENGINEERING FOR APPROVAL PRIOR TO ORDERING ALL MATERIALS (INCLUDING BUT NOT LIMITED TO CONDUIT, PULL BOXES, CABLE, SIGNAL HEADS, BACKPLATES, POLES, CONTROLLER, SIGNAL MONITOR, DETECTORS, CONTROLLER CABINET, SIGNAL BRACKETS, CONCRETE, ETHERNET SWITCH, AND RADIO INTERCONNECT EQUIPMENT).
- (42) THE CONTRACTOR SHALL HAVE AN IMSA LEVEL II CERTIFIED TECHNICIAN ONSITE DURING ALL CONSTRUCTION OF SIGNAL, UPON THE START OF FLASHING OPERATION, AND AT THE IMPLEMENTATION OF FULL STOP-AND-GO OPERATION OF THE SIGNAL.
- (43) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SIGNAL UNTIL THE FINAL APPROVAL IS PROVIDED FOR CITY OF KNOXVILLE ENGINEERING TO ASSUME MAINTENANCE OF THE SIGNAL.
- (44) ELECTRICAL SERVICE CONNECTION SHALL INCLUDE A MINIMUM 1-INCH STEEL CONDUIT RISER WITH WEATHERHEAD. ALL ELECTRICAL PERMITS REQUIRED BY CITY ORDINANCES SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR AFTER COMPLETION OF THE WORK. THE ENGINEER SHALL BE FURNISHED A CERTIFICATE OF FINAL INSPECTION AND APPROVAL FROM THE ELECTRICAL INSPECTION DEPARTMENT OF THE CITY OF KNOXVILLE.
- (45) THE CONTRACTOR SHALL PROVIDE A COMPLETE ELECTRICAL SERVICE AND SHALL COORDINATE THIS ACTIVITY WITH THE LOCAL UTILITY, INCLUDING THE PROVISION FOR ANY REQUIRED METERING OR OTHER SPECIAL EQUIPMENT. THE SIGNAL CONTRACTOR WILL NOT CONTACT THE CITY OF KNOXVILLE TO REQUEST SERVICE HOOKUP UNTIL THE SIGNAL IS READY TO BE PLACED INTO OPERATION AND READY FOR FINAL INSPECTION BY THE CITY OF KNOXVILLE.
- (46) TRAFFIC SIGNAL SUPPORT POLES SHALL BE TDOT STANDARD ROUND, TAPERED, GALVANIZED STEEL MAST ARM POLES IN ACCORDANCE WITH TDOT STANDARD DRAWINGS. THE POLES SHALL HAVE A GREEN POWDER-COAT FINISH ELECTROSTATICALLY APPLIED BY THE POLE MANUFACTURER AND A GREEN CAST ALUMINUM CLAMSHELL BASE COVER.
- (47) SHAFTS FOR FOOTINGS SHALL BE DRILLED THROUGH FIRM, UNDISTURBED, UNSATURATED SOIL AND SHALL BE VISUALLY INSPECTED BY THE CITY OF KNOXVILLE PRIOR TO PLACEMENT OF REINFORCEMENT. THE CITY OF KNOXVILLE REPRESENTATIVE SHALL BE ADVISED BY THE CONTRACTOR OF ANY GROUND WATER OR LOOSE SOIL ENCOUNTERED DURING DRILLING. FOOTINGS SHALL COMPLY WITH TDOT STANDARD DRAWINGS.
- (48) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF POLE AND FOUNDATION AS SPECIFIED IN CITY OF KNOXVILLE STANDARD DRAWINGS.
- (49) EACH POLE SHALL BE PROVIDED WITH A GROUND ROD WITH THE GROUND WIRE VISIBLE IN THE PULL BOX ADJACENT TO THE POLE.
- (50) STOP SIGN ON WALMART ACCESS DRIVE APPROACH SHALL BE REMOVED UPON SIGNAL ACTIVATION AND DISPOSED OF AT THE DIRECTION OF CITY OF KNOXVILLE ENGINEERING.



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NO.	DATE	REVISION PER CITY OF KNOXVILLE COMMENTS	BY	CHK	APPV
1	10/28/2021				
2	10/20/2022				

### TRAFFIC SIGNAL NOTES

PERMIT SET  
DOMINION TURKEY CREEK  
KNOXVILLE, KNOX COUNTY, TENNESSEE

PROJECT NUMBER  
**5143-20-039**  
DRAWING NUMBER

# STANDARD TRAFFIC SIGNAL DRAWINGS

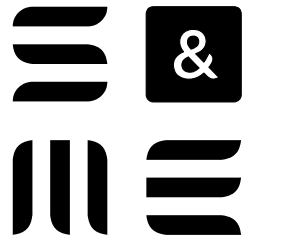
DWG.	REV.	DESCRIPTION
<b>TENNESSEE DEPARTMENT OF TRANSPORTATION</b>		
T-SG-3A	06-27-16	ALTERNATE DETECTION DETAILS
T-SG-6	10-21-19	PEDESTRIAN SIGNAL DETAILS
T-SG-7	10-21-19	SIGNAL HEAD ASSEMBLIES
T-SG-7D	10-21-19	TYPICAL SIGNAL HEAD PLACEMENT TWO-LANE APPROACHES
T-SG-7J		TYPICAL SIGNAL HEAD PLACEMENT FOUR-LANE APPROACHES
T-SG-9	10-21-19	DETAILS OF CANTILEVER SIGNAL SUPPORT
T-SG-12	12-20-19	TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS
T-SG-13	06-27-16	FLASHING BEACON DETAIL

## CITY OF KNOXVILLE

COK-SG-2	LOOP LEAD-INS, CONDUIT AND PULL BOXES
COK-SG-5	CONTROLLER CABINET DETAILS
COK-SG-9A	MISCELLANEOUS SIGNAL DETAILS
COK-SG-10	MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILS

DWG. REV. DESCRIPTION

DWG. REV. DESCRIPTION



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CONSULTING ENGINEERS - FIELD SURVEYORS  
865.970.8555 809 Kingston Pike  
Knoxville, TN 37919



NO.	DATE	BY	CHK	APV

NO.	DATE	DESCRIPTION
1	10/28/2021	REVISED PER CITY OF KNOXVILLE COMMENTS

NO.	DATE	DESCRIPTION

<b>TRAFFIC SIGNAL STANDARD DRAWINGS</b>
<b>PERMIT SET</b> <b>DOMINION TURKEY CREEK</b> <b>KNOXVILLE, KNOX COUNTY, TENNESSEE</b>

PROJECT NUMBER  
**5143-20-039**

DRAWING NUMBER  
**T5**