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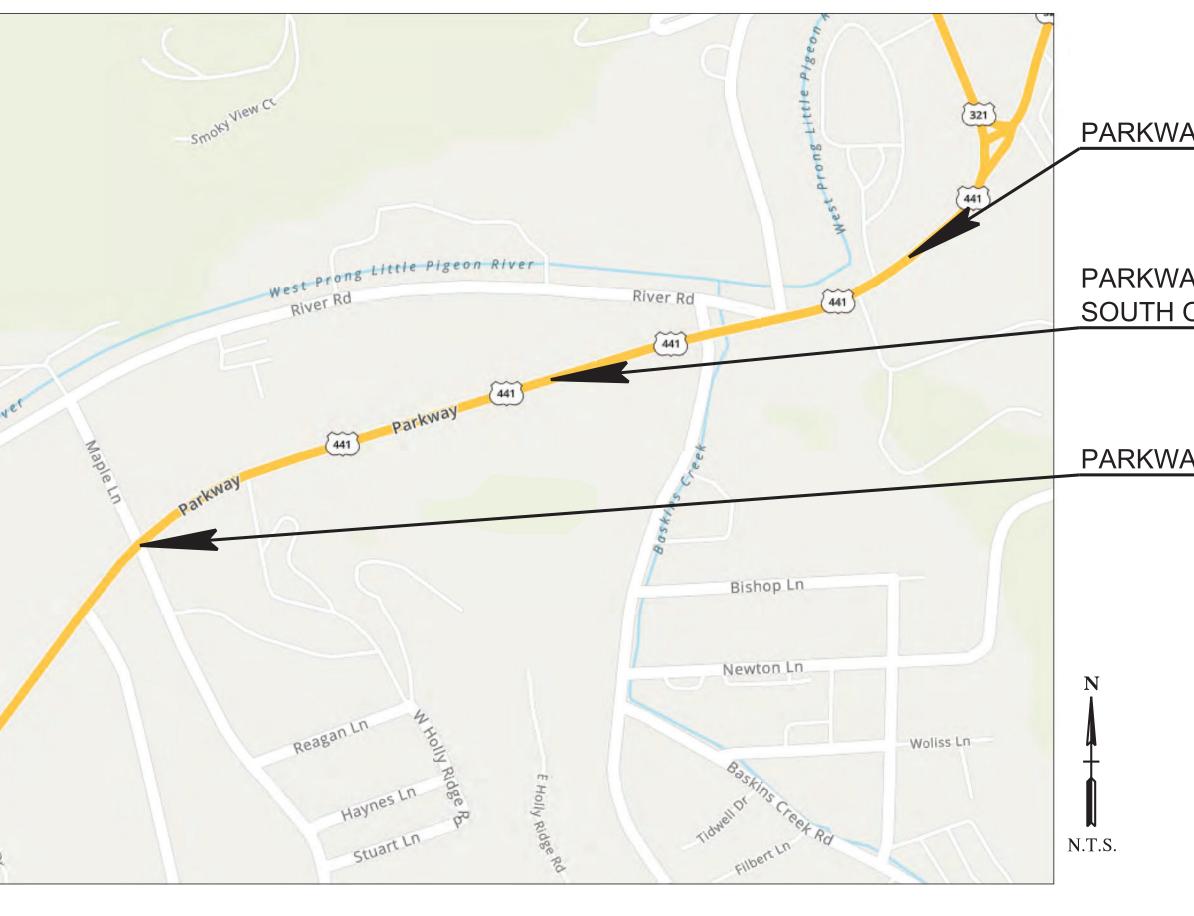
TDOT STANDARD ROADWAY AND TRAFFIC OPERATIONAL DRAWINGS

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T-WZ-5104-02-12TRAFFIC CONTROL FOR SIGNALS ONLY PROJECTS ON 4 OR 5 LANE MAJOR ROUTEST-WZ-5510-29-21SIDEWALK TRAFFIC CONTROLT-WZ-FAB1FLASHING YELLOW ARROW BOARDEC-STR-3706-10-14SEDIMENT TUBEEC-STR-3706-10-14SEDIMENT TUBEEC-STR-39A08-01-12CURB INLET PROTECTION TYPE 3 & 4T-S-1004-04-12STANDARD MOUNTING DETAILS FLAT SHEET SIGNS ALUMINUM-STEEL DESIGNT-S-16A07-02-15GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILST-S-1707-11-17STANDARD GROUND MOUNTED SIGN USING PERFORATED/ KNOCKOUT SQUARE TUBET-S-1906-12-20STANDARD STEEL SIGN SUPPORTST-S-2007-11-17SIGN DETAILST-S6-206-27-16LOOP LEAD-INS, CONDUIT AND PULL BOXEST-S6-306-27-16ALTERNATE DETECTION DETAILST-S6-506-27-16CONTROLLER CABINET DETAILST-S6-610-21-19PEDESTRIAN SIGNAL DETAILST-S6-710-21-19SIGNAL HEAD ASSEMBLIEST-S6-910-21-19DETAILS OF CANTILEVER SIGNAL SUPPORTT-S6-9107-11-17MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILST-S6-1007-11-17MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILST-S6-1106-27-16MAINTENANCE OF EXISTING SIGNAL BURING HIGHWAY CONSTRUCTT-S6-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPST-S6-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS	T-WZ-40	03-05-17	RIGHT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-5510-29-21SIDEWALK TRAFFIC CONTROLT-WZ-FAB1FLASHING YELLOW ARROW BOARDEC-STR-3706-10-14SEDIMENT TUBEEC-STR-39A08-01-12CURB INLET PROTECTION TYPE 3 & 4T-S-1004-04-12STANDARD MOUNTING DETAILS FLAT SHEET SIGNS ALUMINUM-STEEL DESIGNT-S-16A07-02-15GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILST-S-1707-11-17STANDARD GROUND MOUNTED SIGN USING PERFORATED/ KNOCKOUT SQUARE TUBET-S-1906-12-20STANDARD STEEL SIGN SUPPORTST-S-2007-11-17SIGN DETAILST-SG-206-27-16LOOP LEAD-INS, CONDUIT AND PULL BOXEST-SG-3A06-27-16LOOP LEAD-INS, CONDUIT AND PULL BOXEST-SG-506-27-16CONTROLLER CABINET DETAILST-SG-610-21-19PEDESTRIAN SIGNAL DETAILST-SG-910-21-19DETAILS OF CANTILEVER SIGNAL SUPPORTT-SG-9A07-12-17MISCELLANEOUS SIGNAL DETAILST-SG-1007-11-17MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILST-SG-1106-27-16MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTST-SG-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPST-FO-2FIBER OPTIC UNDERGROUND ENTRANCE DETAILS	T-WZ-41	03-05-17	LEFT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-FAB1FLASHING YELLOW ARROW BOARDEC-STR-3706-10-14SEDIMENT TUBEEC-STR-39A08-01-12CURB INLET PROTECTION TYPE 3 & 4T-S-1004-04-12STANDARD MOUNTING DETAILS FLAT SHEET SIGNS ALUMINUM-STEEL DESIGNT-S-16A07-02-15GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILST-S-1707-11-17STANDARD GROUND MOUNTED SIGN USING PERFORATED/ KNOCKOUT SQUARE TUBET-S-1906-12-20STANDARD STEEL SIGN SUPPORTST-S-2007-11-17SIGN DETAILST-SG-206-27-16LOOP LEAD-INS, CONDUIT AND PULL BOXEST-SG-3A06-27-16ALTERNATE DETECTION DETAILST-SG-506-27-16CONTROLLER CABINET DETAILST-SG-610-21-19PEDESTRIAN SIGNAL DETAILST-SG-710-21-19SIGNAL HEAD ASSEMBLIEST-SG-9A07-12-17MISCELLANEOUS SIGNAL DETAILST-SG-1007-11-17MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILST-SG-1106-27-16MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTST-SG-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPST-SG-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS	T-WZ-51	04-02-12	
EC-STR-3706-10-14SEDIMENT TUBEEC-STR-39A08-01-12CURB INLET PROTECTION TYPE 3 & 4T-S-1004-04-12STANDARD MOUNTING DETAILS FLAT SHEET SIGNS ALUMINUM-STEEL DESIGNT-S-16A07-02-15GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILST-S-1707-11-17STANDARD GROUND MOUNTED SIGN USING PERFORATED/ KNOCKOUT SQUARE TUBET-S-1906-12-20STANDARD STEEL SIGN SUPPORTST-S-2007-11-17SIGN DETAILST-SG-206-27-16LOOP LEAD-INS, CONDUIT AND PULL BOXEST-SG-3A06-27-16ALTERNATE DETECTION DETAILST-SG-506-27-16CONTROLLER CABINET DETAILST-SG-610-21-19PEDESTRIAN SIGNAL DETAILST-SG-710-21-19SIGNAL HEAD ASSEMBLIEST-SG-9A07-12-17MISCELLANEOUS SIGNAL DETAILST-SG-1007-11-17MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILST-SG-1106-27-16MAINTENANCE OF EXISTING SIGNALS UPORTT-SG-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPST-FO-2FIBER OPTIC UNDERGROUND ENTRANCE DETAILS	T-WZ-55	10-29-21	SIDEWALK TRAFFIC CONTROL
EC-STR-39A08-01-12CURB INLET PROTECTION TYPE 3 & 4T-S-1004-04-12STANDARD MOUNTING DETAILS FLAT SHEET SIGNS ALUMINUM-STEEL DESIGNT-S-16A07-02-15GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILST-S-1707-11-17STANDARD GROUND MOUNTED SIGN USING PERFORATED/ KNOCKOUT SQUARE TUBET-S-1906-12-20STANDARD STEEL SIGN SUPPORTST-S-2007-11-17SIGN DETAILST-SG-206-27-16LOOP LEAD-INS, CONDUIT AND PULL BOXEST-SG-3A06-27-16ALTERNATE DETECTION DETAILST-SG-506-27-16CONTROLLER CABINET DETAILST-SG-610-21-19PEDESTRIAN SIGNAL DETAILST-SG-710-21-19SIGNAL HEAD ASSEMBLIEST-SG-9A07-12-17MISCELLANEOUS SIGNAL DETAILST-SG-1007-11-17MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILST-SG-1106-27-16MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTST-SG-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPST-FO-2FIBER OPTIC UNDERGROUND ENTRANCE DETAILS	T-WZ-FAB1		FLASHING YELLOW ARROW BOARD
T-S-1004-04-12STANDARD MOUNTING DETAILS FLAT SHEET SIGNS ALUMINUM-STEEL DESIGNT-S-16A07-02-15GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILST-S-1707-11-17STANDARD GROUND MOUNTED SIGN USING PERFORATED/ KNOCKOUT SQUARE TUBET-S-1906-12-20STANDARD STEEL SIGN SUPPORTST-S-2007-11-17SIGN DETAILST-SG-206-27-16LOOP LEAD-INS, CONDUIT AND PULL BOXEST-SG-3A06-27-16ALTERNATE DETECTION DETAILST-SG-506-27-16CONTROLLER CABINET DETAILST-SG-610-21-19PEDESTRIAN SIGNAL DETAILST-SG-710-21-19SIGNAL HEAD ASSEMBLIEST-SG-9A07-12-17MISCELLANEOUS SIGNAL DETAILST-SG-1007-11-17MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILST-SG-1106-27-16MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTST-SG-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPST-FO-2FIBER OPTIC UNDERGROUND ENTRANCE DETAILS	EC-STR-37	06-10-14	SEDIMENT TUBE
T-S-16A07-02-15GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILST-S-1707-11-17STANDARD GROUND MOUNTED SIGN USING PERFORATED/ KNOCKOUT SQUARE TUBET-S-1906-12-20STANDARD STEEL SIGN SUPPORTST-S-2007-11-17SIGN DETAILST-SG-206-27-16LOOP LEAD-INS, CONDUIT AND PULL BOXEST-SG-3A06-27-16ALTERNATE DETECTION DETAILST-SG-506-27-16CONTROLLER CABINET DETAILST-SG-610-21-19PEDESTRIAN SIGNAL DETAILST-SG-710-21-19SIGNAL HEAD ASSEMBLIEST-SG-9A07-12-17MISCELLANEOUS SIGNAL DETAILST-SG-1007-11-17MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILST-SG-1106-27-16MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTST-SG-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS FIBER OPTIC UNDERGROUND ENTRANCE DETAILS	EC-STR-39A	08-01-12	CURB INLET PROTECTION TYPE 3 & 4
T-S-1707-11-17STANDARD GROUND MOUNTED SIGN USING PERFORATED/ KNOCKOUT SQUARE TUBET-S-1906-12-20STANDARD STEEL SIGN SUPPORTST-S-2007-11-17SIGN DETAILST-SG-206-27-16LOOP LEAD-INS, CONDUIT AND PULL BOXEST-SG-3A06-27-16ALTERNATE DETECTION DETAILST-SG-506-27-16CONTROLLER CABINET DETAILST-SG-610-21-19PEDESTRIAN SIGNAL DETAILST-SG-710-21-19SIGNAL HEAD ASSEMBLIEST-SG-9A07-12-17MISCELLANEOUS SIGNAL DETAILST-SG-1007-11-17MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILST-SG-1106-27-16MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTIONT-SG-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPST-FO-2FIBER OPTIC UNDERGROUND ENTRANCE DETAILS	T-S-10	04-04-12	
T-S-1906-12-20STANDARD STEEL SIGN SUPPORTST-S-2007-11-17SIGN DETAILST-SG-206-27-16LOOP LEAD-INS, CONDUIT AND PULL BOXEST-SG-3A06-27-16ALTERNATE DETECTION DETAILST-SG-506-27-16CONTROLLER CABINET DETAILST-SG-610-21-19PEDESTRIAN SIGNAL DETAILST-SG-710-21-19SIGNAL HEAD ASSEMBLIEST-SG-910-21-19DETAILS OF CANTILEVER SIGNAL SUPPORTT-SG-9A07-12-17MISCELLANEOUS SIGNAL DETAILST-SG-1007-11-17MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILST-SG-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPST-FO-2FIBER OPTIC UNDERGROUND ENTRANCE DETAILS	T-S-16A	07-02-15	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
T-S-2007-11-17SIGN DETAILST-SG-206-27-16LOOP LEAD-INS, CONDUIT AND PULL BOXEST-SG-3A06-27-16ALTERNATE DETECTION DETAILST-SG-506-27-16CONTROLLER CABINET DETAILST-SG-610-21-19PEDESTRIAN SIGNAL DETAILST-SG-710-21-19SIGNAL HEAD ASSEMBLIEST-SG-910-21-19DETAILS OF CANTILEVER SIGNAL SUPPORTT-SG-9A07-12-17MISCELLANEOUS SIGNAL DETAILST-SG-1007-11-17MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILST-SG-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPST-FO-2FIBER OPTIC UNDERGROUND ENTRANCE DETAILS	T-S-17	07-11-17	
T-SG-206-27-16LOOP LEAD-INS, CONDUIT AND PULL BOXEST-SG-3A06-27-16ALTERNATE DETECTION DETAILST-SG-506-27-16CONTROLLER CABINET DETAILST-SG-610-21-19PEDESTRIAN SIGNAL DETAILST-SG-710-21-19SIGNAL HEAD ASSEMBLIEST-SG-910-21-19DETAILS OF CANTILEVER SIGNAL SUPPORTT-SG-9A07-12-17MISCELLANEOUS SIGNAL DETAILST-SG-1007-11-17MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILST-SG-1106-27-16MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTT-SG-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPST-FO-2FIBER OPTIC UNDERGROUND ENTRANCE DETAILS	T-S-19	06-12-20	STANDARD STEEL SIGN SUPPORTS
T-SG-3A06-27-16ALTERNATE DETECTION DETAILST-SG-506-27-16CONTROLLER CABINET DETAILST-SG-610-21-19PEDESTRIAN SIGNAL DETAILST-SG-710-21-19SIGNAL HEAD ASSEMBLIEST-SG-910-21-19DETAILS OF CANTILEVER SIGNAL SUPPORTT-SG-9A07-12-17MISCELLANEOUS SIGNAL DETAILST-SG-1007-11-17MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILST-SG-1106-27-16MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTIONT-SG-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPST-FO-2FIBER OPTIC UNDERGROUND ENTRANCE DETAILS	T-S-20	07-11-17	SIGN DETAILS
T-SG-506-27-16CONTROLLER CABINET DETAILST-SG-610-21-19PEDESTRIAN SIGNAL DETAILST-SG-710-21-19SIGNAL HEAD ASSEMBLIEST-SG-910-21-19DETAILS OF CANTILEVER SIGNAL SUPPORTT-SG-9A07-12-17MISCELLANEOUS SIGNAL DETAILST-SG-1007-11-17MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILST-SG-1106-27-16MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTIONT-SG-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPST-FO-2FIBER OPTIC UNDERGROUND ENTRANCE DETAILS	T-SG-2	06-27-16	LOOP LEAD-INS, CONDUIT AND PULL BOXES
T-SG-610-21-19PEDESTRIAN SIGNAL DETAILST-SG-710-21-19SIGNAL HEAD ASSEMBLIEST-SG-910-21-19DETAILS OF CANTILEVER SIGNAL SUPPORTT-SG-9A07-12-17MISCELLANEOUS SIGNAL DETAILST-SG-1007-11-17MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILST-SG-1106-27-16MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTIONT-SG-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPST-FO-2FIBER OPTIC UNDERGROUND ENTRANCE DETAILS	T-SG-3A	06-27-16	ALTERNATE DETECTION DETAILS
T-SG-710-21-19SIGNAL HEAD ASSEMBLIEST-SG-910-21-19DETAILS OF CANTILEVER SIGNAL SUPPORTT-SG-9A07-12-17MISCELLANEOUS SIGNAL DETAILST-SG-1007-11-17MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILST-SG-1106-27-16MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTST-SG-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPST-FO-2FIBER OPTIC UNDERGROUND ENTRANCE DETAILS	T-SG-5	06-27-16	CONTROLLER CABINET DETAILS
T-SG-910-21-19DETAILS OF CANTILEVER SIGNAL SUPPORTT-SG-9A07-12-17MISCELLANEOUS SIGNAL DETAILST-SG-1007-11-17MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILST-SG-1106-27-16MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTIONT-SG-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPST-FO-2FIBER OPTIC UNDERGROUND ENTRANCE DETAILS	T-SG-6	10-21-19	PEDESTRIAN SIGNAL DETAILS
T-SG-9A07-12-17MISCELLANEOUS SIGNAL DETAILST-SG-1007-11-17MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILST-SG-1106-27-16MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTST-SG-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPST-FO-2FIBER OPTIC UNDERGROUND ENTRANCE DETAILS	T-SG-7	10-21-19	SIGNAL HEAD ASSEMBLIES
T-SG-1007-11-17MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILST-SG-1106-27-16MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTT-SG-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPST-FO-2FIBER OPTIC UNDERGROUND ENTRANCE DETAILS	T-SG-9	10-21-19	DETAILS OF CANTILEVER SIGNAL SUPPORT
T-SG-1106-27-16MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTT-SG-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPST-FO-2FIBER OPTIC UNDERGROUND ENTRANCE DETAILS	T-SG-9A	07-12-17	MISCELLANEOUS SIGNAL DETAILS
T-SG-1212-20-19TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPST-FO-2FIBER OPTIC UNDERGROUND ENTRANCE DETAILS	T-SG-10	07-11-17	MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILS
T-FO-2 FIBER OPTIC UNDERGROUND ENTRANCE DETAILS	T-SG-11	06-27-16	MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCT
	T-SG-12	12-20-19	TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS
T-FO-4 FIBER OPTIC PULL BOX, CABINET & POLE DETAILS	T-FO-2		FIBER OPTIC UNDERGROUND ENTRANCE DETAILS
	T-FO-4		FIBER OPTIC PULL BOX, CABINET & POLE DETAILS

PROPOSALS MAY BE REJECTED IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.



PARKWAY (US 441) **TRAFFIC SIGNAL PROJECT**



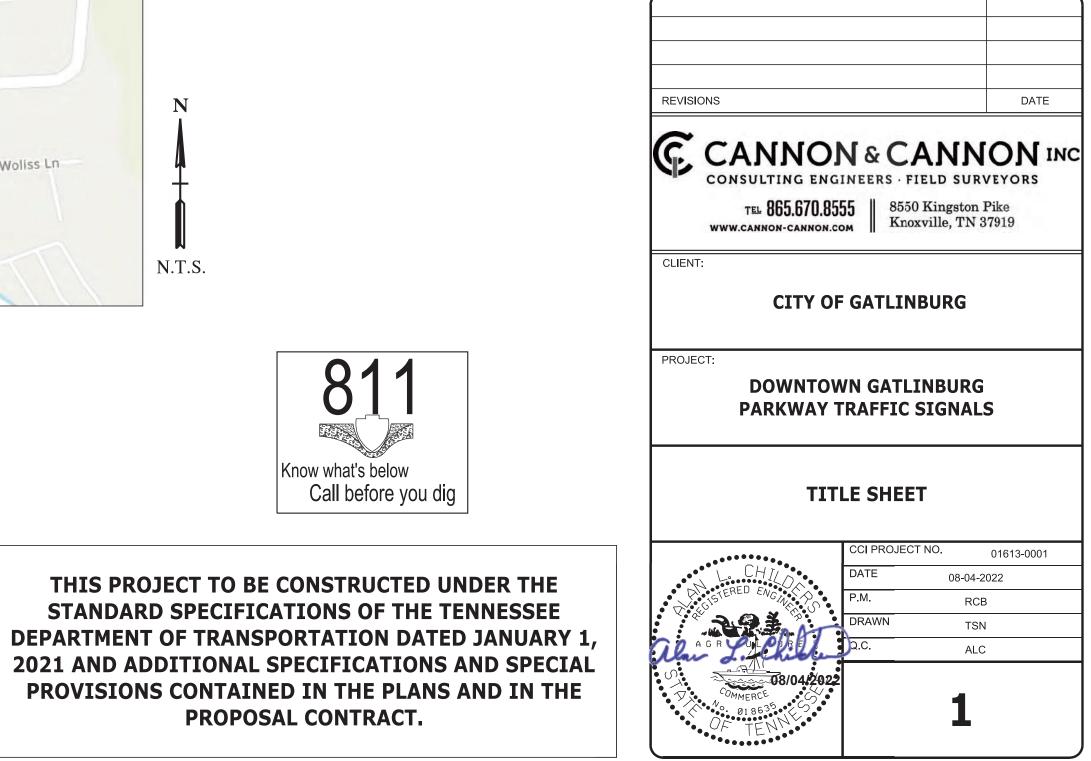
CINDY CAMERON OGLE - CITY MANAGER

CITY OF GATLINBURG 1230 EAST PARKWAY GATLINBURG, TENNESSEE 37738

PARKWAY (US 441) SOUTH OF EAST PARKWAY

PARKWAY (US 441) SOUTH OF PARKWAY AT RIVER ROAD/CHEROKEE ORCHARD ROAD

PARKWAY (US 441) AT REAGAN DRIVE / MAPLES LANE



NOTES

SIGNALIZATION

 APPLICABLE SECTIONS OF THE TDOT STANDARD SPECIFICATIONS SECTION 730. SPECIAL REVOVISIONS RECOVENDS ON THE REQUIREMENTS OF THE SPECIAL REVOVISIONS TREADS SECTION 730. SPECIAL REVOVISIONS TREADS SECTION 730. SPECIAL REVOVISIONS THE CONTRACTOR MAXINGS, AND THE REQUIREMENTS OF THE BEER PRE-QUALIFIED OF TOAL CONTRACTOR MUST PRECULALLY WITH THE TENESSEE BEER PRE-QUALIFIED BY TDOT CAN PERFORM WORK ON THE TRAFFIC SIGNAL. CONTRACTOR SHALL HAVE AN INSALEVEL IL CERTIFIED TENTIONS THAT THAN THE DURING ALL CABINET RELATED CONSTRUCTION AND START-UP OPERATION OF THE SIGNAL. CONTRACTOR SHALL HAVE AN INSALEVEL IL CERTIFIED TENTIONS THAT THAN GATLINBURG FOR APPROVAL FIRIO TO OGNERINS ALL MARKET, SIGNAL BRACKETS, DETECTION SYSTEM, AND CONCRETE. SIGNAL RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE CITY OF CONTRACTOR SHALL AVER AND CONCRETE. BACKETS, DETECTION SYSTEM, AND CONCRETE. SIGNAL RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE CITY OF CATLINBURG FOR APPROVAL FIRITON. ONESTICT TO NOTIFY THE CITY OF CATLINBURG FOR APPROVAL FIRITON. ONESTICATION TO NOSITY THE CITY OF CATLINBURG FOR APPROVAL FIRITON. ONESTICATION TO NOSITY THE CITY OF CATLINBURG FOR APPROVAL FIRITON. ONESTICATION TO NOSITY OF CONTRACTOR STRULLAND AND CONCRETE. BACKETS, DETECTION SYSTEM, AND CONCRETE. THE SIGNAL BENDOSING THAT ALL SPECTION. SIGNAL INSTITUCTION AND STRUCTURES SHALL BE DESIGNED FOR FATIGUE CATEGORY 1. ALL EQUIPMENT SHALL MEED TARAFIC SIGNAL SUPPORT FORLS AND CONFINENTICO SIGNAL HEADS SHALL HEADS SHALL BE INCOMBECKENT STYLE LED, LIGHT HEM TO APPROVED CALL APPROVED FORLY TO NON APPROVED FORLY THE NO. AND CONTRECTOR ON STRUCTURES SHALL BE DESIGNED FOR FATIGUE CATEGORY 1. ALL REVOLTIONS THAT ALL SPECIAL MORE AND CONFINENTIC CONFILTER SIGNAL HEADS SHALL DET THE INTON CONFILER SHALL BE CONTACTORS AND AND ACCENTS THAT AND ADDRED SHALL DE INCOMPOSITION THE SHALL BE CONTRECTOR STALL APPROVED CALL SEAS AND ADDRED STALL REVOLUTION STALADARY AND APPROVED FOR FATI	SIGI	NALIZATION	(19)	DIG FOUNDAT
 (21) CONTRACTOR (21) THE TRAFFIC SIGNAL CONTRACTOR MUST PREQUALIFY WITH THE TENNESSE (21) CONTRACTOR (21) CONTRACTOR (22) EACH POLE F (23) CONTRACTOR (24) CONTRACTOR (25) CONTRACTOR SHALL HAVE AN IMAS LEVEL II CERTIFIED TECHNICINA ON SITE (26) CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO THE CITY OF (27) CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO THE CITY OF (28) CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO THE CITY OF (29) CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO THE CITY OF (20) CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO THE CITY OF (21) CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO NOTIFY THE CITY OF (21) THE TESSER SUBMITY OF THE CONTRACTOR TO NOTIFY THE CITY OF (21) THE TRESCOTT, STREAM TO CONCRETE. (22) THE STREAM STREAM TO CONCRETE. (23) THE STREAM STREAM TO CONCRETE. (24) CONDUCT AND THE ASSERT CONCRETE. (25) INTERSECTION STREAM TO CONCRETE. (26) THE DESIGN OF TRAFFIC SIGNALS. CURRENT STRAINED STANDARD (27) THE CONTRACTOR SHALL NEET ALL APPLICABLE NATIONAL MERTIFY AR (28) SUNT SHALL OCUMPANT SHALL MEET ALL APPLICABLE NATIONAL MERTIFY AR (29) ALL SCHALL BE IN CONTRACTOR SHALL ASSERT STYLE LE.D. (LIGHT (20) THE DESIGN SCHALT WEET ALL APPLICABLE NATIONAL MURICIPAL SIGNAL ASSOCIATION (21) THE CONTRACTOR SHALL NEET ALL APPLICABLE NATIONAL MURICIPAL SIGNAL ASSOCIATION (22) THE STRINAL SIGNAL FACES SHALL BE INCOMPACE SIGNAL CONTROLLERS SHALL BE INCOMPACE SIGNAL ASSOCIATION (21) THE SIGNAL CONTROLLERS SHALL BE MCCAIN ATC EX	(1)	"SPECIAL PROVISIONS REGARDING SECTION 730-TRAFFIC SIGNALS", TDOT STANDARD TRAFFIC OPERATIONS DRAWINGS, AND THE REQUIREMENTS OF THE	(20)	ALL TRAFFIC WAY OR EASE APPROVAL FF
 BEEN PRE-QUALIFIED BY TDOT CAN PERFORM MORK ON THE TRAFFIC SIGNAL. CONTRACTOR SHALL AND A MIMA LEVEL ID CERTIFICS TECHNOLM ON VAITER CONSTRUCTION AND START-UP OPERATION OF THE SIGNAL. CONTRACTOR SHALLS UBMIT ALL SHOP DRAWINGS TO THE CITY OF THE SIGNAL. CONTRACTOR SHALLS UBMIT ALL SHOP DRAWINGS TO THE CITY OF THE SIGNAL START-UP OPERATION OF THE CONTROLLER. SIGNAL BEACK THIS, POLES CONTROLLER. SIGNAL MONTOR CARBIET, SIGNAL BEACK THIS, SIGNAL CARBIER, SIGNAL SUPPORT POLES, SIGNAL SUPPORT POLES, SIGNAL CARBIER, SIGNAL SUPPORT, SIGNAL CARBIER, SIGNAL SUPPORT, SIGNAL SUPPORT,	(2)	THE TRAFFIC SIGNAL CONTRACTOR MUST PREQUALIFY WITH THE TENNESSEE	(21)	CONTRACTOR CONCRETE PI
DURING ALL CABINET RELATED CONSTRUCTION AND START-UP OPERATION OF THE SIGNAL. (23) LAGRES SZE THERE AREA 4) CONTRACTOR SHALL SUBD TAKUNGO TO THE CITY OF GATLINBURG FOR APPROVED ODERING ALL MATERIALS (INCLUDING BUT NOT LIMITED TO CONDUIT, PLULEOXES, CABLE, SIGNAL HEADS, BUCKPLATES, POLES, CONTROLLER, SIGNAL MONITOR, CABINET, SIGNAL BRACKETS, DETECTION SYSTEM, AND CONCRETE, SIGNAL INSTALLATION IS RESON/SIBULTY OF THE CITY OF GATLINBURG IN WRITING WHEN ALL WORK HAS BEEN COMPLETED AND THE SIGNAL INSTALLATION IS READY FOR FINAL INSPECTION. (25) INEW DETECT NET THE SIGNAL STATUTION IS READY FOR FINAL INSPECTION. (26) NEW DETECT NET THE SIGNAL STATUTION IS READY FOR FINAL INSPECTION. (27) NEW DETECT NET CONTRACTO APPROVAL FOR SIGNAL INSTALLATION IS READY FOR FINAL INSPECTION. (28) BBS LINT SH NEW DETECT SIGNAL INSTALLATION IS READY FOR FINAL INSPECTION. (28) BBS LINT SH NEW DETECT SIGNAL INSTALL REIT SIGNAL SUPPORT FOLES, MAST ARMS, STRAIN POLES, FATIGUE CATEGORY 1. (28) BBS LINT SH NEW DETECT SIGNAL INSTALL REIT SIGNAL SUPPORT FOLES, MAST ARMS, STRAIN POLES, FATIGUE CATEGORY 1. (28) BBS LINT SH NEW OFFER SIGNAL HEADS SHALL HEADS SHALL BE INCOMPARES CENT STYLE LED. (LIGHT MANUPACTURERS SHALL MEET ALL APPLICABLE NATIONAL ELECTRICAL MANUPACTURERS SHALL MEET ALL APPLICABLE NATIONAL ELECTRICAL INCANDESCENT TO READY FOR FINAL INFORMED TRAFFIC SIGNAL HEADS SHALL THE SIGNAL ASSES MEETING THE CURRENT STANDARDS WITH THE HEADS SHALL DE INCOMPARING TO CUMPATION TRAFFIC SIGNAL MANUPACTURERS AND CARACKARCKARCHARCHARCHARCHARCHARCHARCHARCHARCHARCH		BEEN PRE-QUALIFIED BY TOOT CAN PERFORM WORK ON THE TRAFFIC SIGNAL.	(22)	EACH POLE F
 CatLINEDURG FOR APPROVAL PRIOR TO CREENING ALL MATERIALS (INCLUDING BUT NOT LIMITED TO CONDUIT, PULLBORS, CABLE, SCIANAL HEADS, BACKPLATES, POLES, CONTROLLER, SIGNAL MONITOR, CABINET, SIGNAL BRACKPLATES, DETECTION SYSTEM, AND CORCRETE, BRACKPLATES, DETECTION SYSTEM, AND CORCRETE, GATLINEDGI IN WITHING WHEN ALL WORK HAS BEEN COMPLETED AND THE GATLINEDGI IN WITHING WHEN ALL WORK HAS BEEN COMPLETED AND THE CONTRACTOR SIGNAL INSTALLATION IS READY FOR FINAL INSPECTION. (6) THE DESIGN OF TRAFFIC SIGNALS SUPPORT POLES, MAST RAMS, STRAIN POLES, CONTRACTOR SIGNAL BE IN CONFORMANCE WITH THE AGSHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORT POLE, MAST RAMS, STRAIN POLES, CATILIBLES AND TRAFFIC SIGNALS SUPPORT POLES, MAST RAMS, STRAIN POLES, CONTRACTOR CONTOCHTURERS ASSOCIATION STANDARDS. (7) ALL COUPMENT SHALL BE INCONFURCES SHALL BE DESIGNED FOR FATIGUE CATEGORY I. UNIMALES AND TRAFFIC SIGNALS. CURRENT EDITION. COUNTOURNES SHALL APPLICABLE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION STANDARDS. (8) ALL SUMPTAFFIC SIGNALS CURRENT EDITION ENGINEERS, SIGNAL HEADS SHALL BE INCONTRACTOR FRANKPORTATION ENGINEERS, SIGNAL HEADS SHALL BE INCONTRACTOR PROVED EQUIVALENT. LED'S SHALL BE DIALIGHT, GE, OR APPROVED EQUIVALENT. (9) ALL SIGNAL CABLE SHALL BE INCONTRUCE ONFORMING TO CURRENT THE SIGNAL HEADS SHALL BE INCONTRUCE ONFORMING TO CURRENT THE SIGNAL ALL CONTROLLERS SHALL BE INCONTRUCTOR NATURE TRAIL READS SHALL BE INCONTRUCTOR STANDARD SPECIFICATIONS.	(3)	DURING ALL CABINET RELATED CONSTRUCTION AND START-UP OPERATION OF	(23)	LARGER SIZE THERE ARE M
BRACKETS, DETECTION SYSTEM, AND CONCRETE). INITENSUES, INITENDER, AND CONCRETE). INITENSUES, INITENDER, AND CONCRETE). INITENSUES, INITENDER, AND CONCRETE, AND INTENDED, AND THE CITY OF CARLINGUES, INITENDER, I	(4)	GATLINBURG FOR APPROVAL PRIOR TO ORDERING ALL MATERIALS (INCLUDING BUT NOT LIMITED TO CONDUIT, PULLBOXES, CABLE, SIGNAL HEADS,		CONDUIT MAY POWER SERV NEW DETECT
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CLOSELY COORDINATE FOOTING INSTALLATION WITH EXISTING UTILITIES. HAND ATION OR VARY SIZE AS REQUIRED.

> SIGNAL EQUIPMENT SHALL BE INSTALLED WITHIN THE RIGHT-OF-SEMENTS. NO EXCEPTIONS WILL BE PERMITTED WITHOUT WRITTEN FROM THE CITY OF GATLINBURG.

> OR SHALL CONTACT THE CITY OF GATLINBURG ONE DAY PRIOR TO PLACEMENT FOR SIGNAL POLE FOUNDATIONS.

FOUNDATION SHALL INCLUDE AT LEAST ONE SPARE 2-INCH

ED PULL BOXES (17" X 30" X 18") SHALL BE USED AS NEEDED WHERE MANY CONDUITS AND SIGNAL CABLES IN A PULL BOX LOCATION.

AY BE SCHEDULE 80 PVC OR HDPE, EXCEPT IT SHALL BE RGS FOR **RVICE RUNS AND HDPE FOR FIBER OPTIC RUNS.**

CTION SHALL UTILIZE ONE GRIDSMART BELL CAMERA PER ON. DETECTOR UNIT SHALL BE PLACED ON MANUFACTURER DED RISERS AND/OR EXTENSION ARMS TO MAXIMIZE DETECTION DETECTION ZONES, SPECIFIED ON THE SIGNAL LAYOUT SHEETS. D SENSOR LOCATIONS MAY VARY FROM THAT SHOWN ON THE EETS IF THE REVISED LOCATION IMPROVES DETECTION ACCURACY. OR SHALL NOT REVISE THESE LOCATIONS WITHOUT RECEIVING FROM THE CITY OF SEVIERVILLE. GRIDSMART DETECTION SYSTEM UDE THE PERFORMANCE PLUS MODULE LICENSE.

HALL BE APC SECUREUPS 1300VA UNIT WHT A SINGLE 48VDC RRAY CONSISTING OF QTY 4 SECUREUPS 50AH 12VDC BATTERIES. CABLE HARNESS, APC SECUREUPS BYPASS UNIT, AND SUITABLE INT TO INSTALL BATTERIES INSIDE MCCAIN 353I ATC CABINET

ACTOR SHALL PROVIDE AS-BUILT DRAWINGS TO THE CITY OF G IF CONSTRUCTION OF THE TRAFFIC SIGNAL DEVIATES FROM THE GNAL PLAN.

CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF RAFFIC SIGNALS UNTIL THE FINAL SIGNAL INSPECTION HAS BEEN D AND THE SIGNALS ACCEPTED BY THE CITY.

(19)

CURB RAMPS SHALL COMPLY WITH TDOT AND ADA STANDARDS.

AND CURB AND GUTTER SHALL MATCH THE DEPTH OF THE EXISTING CURB OR CURB AND GUTTER.

ITH NEW CURB RAMPS, CURB, OR CURB AND GUTTER, CONTRACTOR CUT EXISTING ASPHALT PAVEMENT A MINIMUM OF ONE FOOT FROM OF THE NEW CURB RAMP, CURB, OR CURB AND GUTTER. IN AREAS CONTRACTOR SHALL OVERLAY WITH 1.5" OF 411D MIX AND SHALL DIDS UNDERNEATH THE OVERLAY WITH CLASS A CONCRETE. VERLAY AND CLASS A CONCRETE SHALL BE PAID FOR UNDER PAY 7-02.14. ASPHALT PAVEMENT REPAIR.

ON WORK ZONE & TRAFFIC CONTROL

TRAFFIC CONTROL DEVICES AND MEASURES SHALL BE PROVIDED NSTRUCTION IN FULL COMPLIANCE WITH THE LATEST EDITION OF AL ON UNIFORM TRAFFIC CONTROL DEVICES". THESE DEVICES AND SHALL BE PROVIDED IN CONSIDERATION OF BOTH VEHICULAR AND N TRAFFIC.

INTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS ONDITIONS ARE PRESENT NECESSITATING WARNING.

ALL BE MAINTAINED TO ALL PROPERTIES AT ALL TIMES DURING TION.

ES AND UNDERGROUND STRUCTURES SHOWN ON THESE PLANS ECESSARILY ALL THE ONES PRESENT, NOR ARE THE INDICATED NECESSARILY ACCURATE. THE CONTRACTOR SHALL COORDINATE Y AND PROPERTY OWNERS AS REQUIRED TO IDENTIFY, RELOCATE, ECT FEATURES AS NECESSARY PRIOR TO CONSTRUCTION. SOME AN BE LOCATED BY CALLING THE TENNESSEE ON CALL SYSTEM, INC. 111 AS REQUIRED BY TCA 65-31-106.

ACTOR SHALL PROVIDE ALL NECESSARY PROTECTIVE MEASURES ARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF ECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO AND AROUND THE UTILITIES, THE CONTRACTOR SHALL BE TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING ROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT SHALL BE N THE PRICE BID.

- THE COST OF ANY DAMAGE TO UTILITY FACILITIES SHALL BE BORNE BY THE (3) CONTRACTOR.
- COORDINATE WITH JERRY CAMERON, SEVIER COUNTY ELECTRIC, 865-453-2887, (4) WITH REGARD TO ELECTRICAL SERVICE CONNNECTION.
- A MINIMUM OF 2 FT. SEPERATION SHALL BE MAINTAINED BETWEEN ALL (5)EXISTING NATURAL GAS FACILITIES AND THE PROPOSED POLE FOUNDATIONS AND PULL BOXES.

SIGNING AND PAVEMENT MARKING

- ALL SIGN FACES SHALL UTILIZE 3M DIAMOND GRADE REFLECTIVE SHEETING.
- ALL NEW PERMANENT SIGN POSTS SHALL BE WOODEN POSTS MATCHING THE (2) EXISTING POSTS ON PARKWAY.
- THE TOP OF THE SIGN FOOTINGS SHALL BE PLACED LEVEL WITH THE GROUND (3) LINE.
- ALL SIGNS MARKED "TO BE REMOVED" ARE TO BE REMOVED BY THE (4) CONTRACTOR AND PAID FOR UNDER ITEM NO. 713-15.
- THE EXISTING FOOTINGS ARE TO BE REMOVED 6 INCHES BELOW GROUND LINE. (5)
- THE LETTERS, DIGITS, ARROWS, BORDERS, AND ALPHABET ACCESSORIES ON (6) ALL FLAT SHEET SIGNS SHALL BE APPLIED BY SILK SCREENING PROCESS.
- ALL NEW PAVEMENT MARKINGS SHOWN ON THE PLANS SHALL BE (7)THERMOPLASTIC OR PERFORMED PLASTIC.
- PAVEMENT MARKING REMOVAL SHALL COMPLY WITH T.D.O.T. STANDARD (8) SPECIFICATION SECTION 712.05.

MISCELLANEOUS

- NOTHING IN THE NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE (1) CONTRACTOR FROM HIS RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS ALONG THE PROPOSED CONSTRUCTION AREA
- ANY DISTURBED AREA DURING CONSTRUCTION SHALL BE RESTORED TO (2)ORIGINAL CONDITION OR AS ACCEPTABLE BY THE CITYOF GATLINBURG.
- EROSION CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN (3) ACCORDANCE WITH THE TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK.
- THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO (4) PREVENT SOIL MATERIAL, LITTER, CONSTRUCTON DEBRIS, CONSTRUCTION WASTES, PETROLEUM PRODUCTS AND OTHER CHEMICAL POLLUTANTS FROM ENTERING WATERS OF THE STATE/U.S.
- SALVAGEABLE EQUIPMENT SHALL BECOME THE PROPERTY OF THE CITY OF (5) GATLINBURG.

FIBER OPTIC COMMUNICATION

- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE TO THE OWNER A (1) COMPLETE AND WORKING FIBER OPTIC COMMUNICATIONS SYSTEM AS DETAILED IN THESE PLANS. ALL REQUIRED DEVICES, EQUIPMENT, OR INCIDENTALS NOT SHOWN AS DIRECT PAY ITEMS. BUT REQUIRED TO MAKE THIS SYSTEM FULLY FUNCTIONAL, SHALL BE PAID FOR UNDER RELATED BID ITEMS INCLUDED IN THE PROJECT.
- ALL PROPOSED FIBER OPTIC CONDUIT SHALL BE HDPE. (2)
- (3) CONTRACTOR SHALL UTILIZE FUSION SPLICES FOR ALL FIBER CABLE CONNECTIONS. MATERIALS, METHOD AND MEASUREMENTS OF FUSION SPLICES SHALL FOLLOW ACCEPTED T.D.O.T. PRACTICE.
- CONTRACTOR SHALL COORDINATE INSTALLATION OF COMMUNICATIONS WITH (4) EXTENET SYSTEMS FOR INTERFACE WITH THE EXISTING FIBER OPTIC CABLE AND REQUIRED SPLICING.

CONTRACTOR WORK RESTRICTIONS

CONTRACTOR WORK RESTRICTIONS ARE DETAILED IN THE PROJECT MANUAL.

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FOOT NOTES	ITEM NO.	DESCRIPTION	QTY.	UNIT
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	1	LS
1	202-01	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1	LS
2		REMOVAL OF RIGID PAVEMENT, SIDEWALK, ETC.	100	S.Y.
3		REMOVAL OF ASPHALT PAVEMENT	75	SY
4	The second second second	REMOVAL OF CURB	90	LF
5	The second second		4	CY
5		CURB INLET PROTECTION (TYPE 4)	11	EACH
6	1.	ASPHALT PAVEMENT REPAIR SAW CUTTING ASPHALT PAVEMENT	11 225	SY LF
8	1.1.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	STAMPED ASPHALT (RED-BRICK PATTERN)	575	SF
0		REWORK CATCHBASIN	1	EACH
_	A	CONCRETE SIDEWALK (4")	840	SF
9		BRICK SIDEWALK	150	SY
10	In the second second second	CONCRETE CURB RAMP (RETROFIT)	525	SF
		DETECTABLE WARNING SURFACE (REHABILITATION)	180	SF
	702-01	CONCRETE CURB	3	CY
11		TRAFFIC CONTROL	1	LS
		FLEXIBLE DRUMS (CHANNELIZING)	50	EACH
	1 H 1 A A	WARNING LIGHTS (TYPE C)	25	EACH
	A second second second second	SIGNS (CONSTRUCTION)	193	SF
		ARROW BOARD (TYPE C)	2	EACH
12		REMOVAL OF SIGNS, POSTS AND FOOTINGS	1	LS
		SIGNS (TN-69A, LEFT TURN YIELD ON FLASHING YELLOW ARROW)	3	EACH
	And the second second second	SIGNS (R10-15, TURNING VEHICLES YIELD TO PEDESTRIANS)	6	EACH
13		SIGNS (R10-6, STOP HERE ON RED)	4	EACH
13	713-16.23	SIGNS (R10-23mod., CROSSWALK - STOP ON RED)	4	EACH
13	713-16.24	SIGNS (W3-3, SIGNAL AHEAD W/ W16-2aP)	1	EACH
13	713-16.25	SIGNS (W3-3, SIGNAL AHEAD W/ W16-15P)	5	EACH
1.71	713-16.26	SIGNS (SPECIAL, WAIT FOR WALK SIGNAL)	4	EACH
13	713-16.41	RELOCATE SIGN (W11-2, CROSSWALK SYMBOL W/ W16-7P)	2	EACH
	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	155	LF
	716-02.09	PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	65	LF
	716-03.06	PLASTIC WORD PAVEMENT MARKING (SIGNAL AHEAD)	2	EACH
14	716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	100	LF
14	716-08.03	REMOVAL OF PAVEMENT MARKING (CROSS WALK)	65	LF
14	716-08.06	REMOVAL OF PAVEMENT MARKING (TURN LANE ARROW)	2	EACH
14	716-08.11	REMOVAL OF WORD PAVEMENT MARKING (CROSS WALK)	4	EACH
	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	0.01	L.M.
	716-12.05	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN DOTTED LINE)	50	LF
	716-12.06	ENHANCED FLAT LINE THERMO (8IN LINE)	100	LF
	717-01	MOBILIZATION	1	LS
	725-02.79	FIBER SPLICE ENCLOSURE (UNDERGROUND)	1	EACH
	725-23.24	FIBER OPTIC DROP CABLE (6 STRAND)	900	LF
	725-23.28	FIBER OPTIC SPLICE FUSION	6	EACH
	725-23.31	FIBER OPTIC DROP PANEL	1	EACH
		SIGNAL HEAD ASSEMBLY (130 WITH BACKPLATE)	19	EACH
		SIGNAL HEAD ASSEMBLY (130 A3FY WITH BACKPLATE)	3	EACH
		INSTALL PULL BOX (TYPE B)	7	EACH
	1 Martin Martin Al	INSTALL PULL BOX (FIBER OPT IC-TYPE A)	3	EACH
		INSTALL PULL BOX (FIBER OPTIC-TYPE B)	2	EACH
15		ELECTRICAL SERVICE CONNECTION	2	EACH
	And the second second second	MODIFY EXISTING ELECTRICAL SERVICE CONNECTION	1	EACH
		SIGNAL CABLE - 7 CONDUCTOR	5750	LF
16		CONDUIT 2" DIAMETER (PVC)	1150	LF
16		CONDUIT 3" DIAMETER (PVC)	725	LF
	a strange has send at an analysis of	CONDUIT 2" DIAMETER (RGS)	100	LF
17	1. S. S. S. S. C. M. H	VEHICLE DETECTOR (360-DEGREE CAMERA)	2	EACH
18		CABINET (16 PHASE AT C)	1	EACH
19			2	EACH
20		CONTROLLER (16 PHASE ATC)	3	EACH
21		PEDESTAL POLE (PEDESTRIAN TYPE A)	8	EACH
21		CANTILEVER SIGNAL SUPPORT (1 ARM @ 20')	2	EACH
21,22		CANTILEVER SIGNAL SUPPORT (2 @ 25 & 40' WITH EXTENSION ARM)	1	EACH
21	and a second second second	CANTILEVER SIGNAL SUPPORT (2 @ 40' & 45')	1	EACH
21	10-00 (0 - 00-0 - 0-0)	CANTILEVER SIGNAL SUPPORT (1 ARM @ 70')	1	EACH
00		COUNTDOWN PEDESTRIAN SIGNAL	4	EACH
23		COUNTDOWN PED SGNL HEAD W/AUDIBLE PUSH BUTTON & 15IN SIGN	10	EACH
		BATTERY BACKUP AND POWER CONDITIONER	2	EACH

FOOTNOTES:

- (1) INCLUDES REMOVAL AND RELOCATION OF HANDRAIL, BENCHES AND OTHER FEATURES OBSTRUCTING PROJECT ACTIVITIES.
- (2) PAY ITEM INCLUDES SAW CUTTING, REMOVAL OF EXISTING MATERIAL, AND ALL ITEMS NECESSARY FOR REMOVAL OF CONRETE SIDEWALK.
- (3) PAY ITEM SHALL BE USED FOR REMOVAL OF ASPHALT PAVEMENT IN THE VICINITY OF NEW CURB. ASPHALT SHALL BE REMOVED A WIDTH OF ONE FOOT FROM THE CURB.
- (4) PAY ITEM SHALL BE USED FOR REMOVAL OF CURB ADJACENT TO NEW CURB RAMPS AND SIDEWALK.
- PAY ITEM SHALL ONLY BE USED WHERE DIRECTED BY THE ENGINEER OR THE CITY'S REPRESENTATIVE. (5)
- PAY IT EM SHALL INCLUDE REPAIRING OF ASPHALT PAVEMENT WHERE REMOVED ADJACENT TO NEW (6) CURB. ITEM SHALL ALSO INCLUDE ANY NECESSARY CLASS A CONCRETE TO FILL VOIDS UNDER THE 1.5" OF ASPHALT SURFACE.
- (7) PAY ITEM SHALL BE USED FOR SAW CUTTING ASPHALT PAVEMENT ADJACENT TO NEW CURB AS WELL AS NEW CROSSWALK.
- (8) PAY ITEM INCLUDES THE RED ASPHALT CROSSWALK WITH THE 2' WIDE BRICK PATTERN BORDER AND 6' WIDE AREA BETWEEN THE BRICK PATTERN BORDER. TO BE INSTALLED PER CITY OF GATLINBURG STANDARD.
- (9) PAY ITEM INCLUDES REMOVAL AND REPLACEMENT OF BRICK STRIPS IN SIDEWALK.
- (10) PAY IT EM IS USED IN LOCATIONS WHERE A RAMP OR SIDEWALK ALREADY EXISTS, BUT A NEW RAMP IS REQUIRED. PAY ITEM INCLUDES BOTH CONSTRUCTION OF THE NEW CURB RAMP AND REMOVAL OF ALL EXISTING MATERIAL WITHIN THE FOOTPRINT OF THE NEW RAMP. PAY ITEM SHALL ALSO INCLUDE INSTALLATION OF TRUNCATED DOMES.
- (11) PAY ITEM INCLUDES ALL TRAFFIC CONTROL ACTIVITIES AND ITEMS NOT OTHERWISE CALLED OUT IN THE QUANTITIES.
- (12) PAY ITEM INCLUDES 4 SIGNS, FACES AND 2 SUPPORTS, POSTS AND FOOTINGS.
- (13) PAY IT EM INCLUDES ALL POSTS AND FOOT INGS REQUIRED FOR POST MOUNTED SIGNS.
- (14) PAVEMENT MARKING REMOVAL SHALL BE COMPLETED USING WATERBLASTING, HYDROBLASTIC, OR GRINDING TECHNIQUES TO MINIMIZE VISIBILITY OF EXISTING STRIPING.
- (15) ITEM INCLUDES CONDUIT, CABLE, AND ALL OTHER ITEMS NECESSARY TO INSTALL ELECTRICAL SERVICE CONNECTION AT THE INTERSECTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE LOCAL UTILITY TO OBTAIN THE ESTIMATE FOR ANY CHARGES BY THE UTILITY FOR PROVIDING ELECTRICAL SERVICE TO THE SIGNAL CONTROLLER. THESE CHARGES SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM.
- (16) CONDUIT SHALL BE PVC SCHEDULE 80 OR HDPE. ITEM INCLUDES ALL MATERIALS AND ACTIVITIES REQUIRED FOR THE INSTALLATION OF THE CONDUIT AS DISCUSSED IN THE CONDUIT ROUTING AND INSTALLATION NOTES ON THE SIGNAL LAYOUT SHEETS, IRREGARDLESS OF THE INSTALLATION METHOD CHOSEN.
- (17) ITEM INCLUDES ONE GRIDSMART FISHEYE CAMERA, PROCESSOR, WIRING, AND INCIDENTALS NECESSARY FOR COMPLETE INSTALLATION OF VIDEO DETECTION SYSTEM. SYSTEM SHALL INCLUDE PERFORMANCE PLUS MODULE LICENSE.
- (18) CABINET SHALL BE MCCAIN 353i 16-CHANNEL ATC. ITEM INCLUDES RECONSTRUCTION OF FOUNDATION. CABINET SHALL BE GREEN POWDER COAT.
- (19) CABINETS SHALL BE McCAIN BACKPACK, GREEN POWDER COAT.
- (20) CONTROLLERS SHALL BE MCCAIN AT C EX2 NEMA.
- (21) ITEM INCLUDES SIGNAL SUPPORT, FOUNDATION, AND THE COST OF THE SUPPORTS AND FOUNDATION DESIGN AND, IF NECESSARY, THE SOIL EXPLORATION REQUIRED FOR THE DESIGN OF THE FOUNDATION. ALSO INCLUDED IS REMOVAL OF EXCAVATION MATERIAL, AS WELL AS SEEDING AND WATERING TO TO RESTORE GROUND AROUND POLE FOUNDATION. ALL POLES, MAST ARMS, AND PEDESTALS SHALL BE GREEN POWDER COAT. COLOR AND STYLE SHALL MATCH EXISTING CITY POLE/ARMS.
- (22) SIGNAL POLE SHALL INCLUDE AN EXTENSION ARM FOR GRIDSMART VIDEO DETECTOR.
- (23) PUSHBUTTONS SHALL BE FULLY ACCESSIBLE CONFORMING TO ADA AND PROWAG STANDARDS. PUSHBUTTONS SHALL BE RTB SAFET RAFFIC SYSTEM.

REVISED QUANTITIES	9/29/2022
REVISIONS	DATE
CANNON & CANN CONSULTING ENGINEERS - FIELD SUR	
TEL 865.670.8555 8550 Kingston	
www.cannon-cannon.com Knoxville, TN	

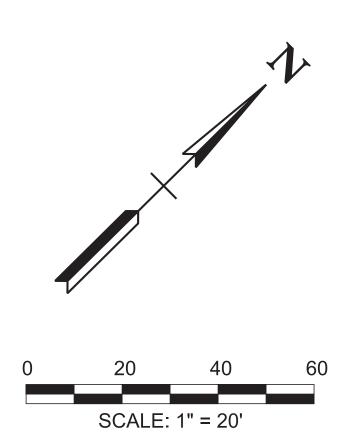
CITY OF GATLINBURG

DOWNTOWN GATLINBURG PARKWAY TRAFFIC SIGNALS

PROJECT:

ESTIMATED QUANTITIES



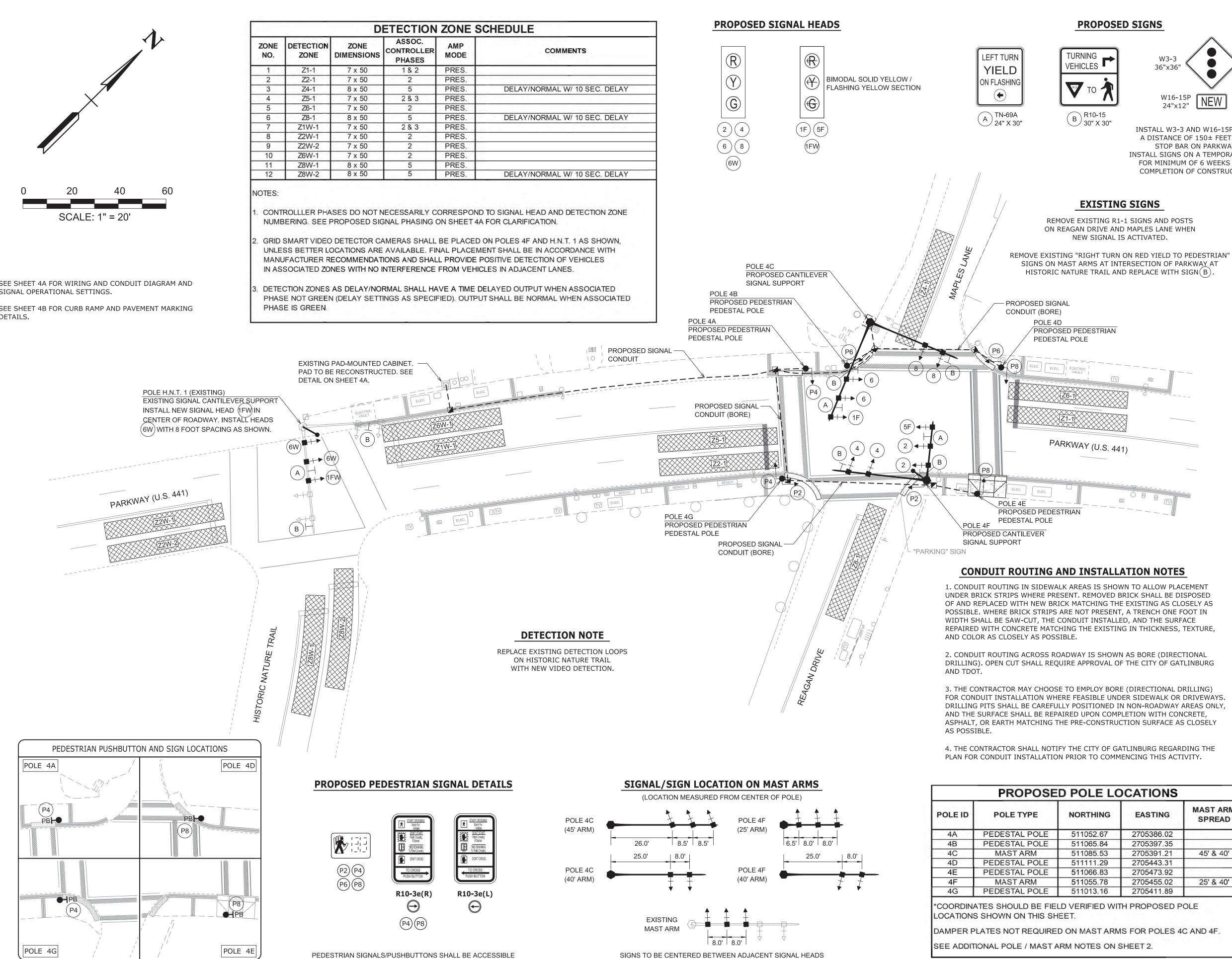


SEE SHEET 4A FOR WIRING AND CONDUIT DIAGRAM AND SIGNAL OPERATIONAL SETTINGS.

SEE SHEET 4B FOR CURB RAMP AND PAVEMENT MARKING DETAILS.

CHED	ZONE S	ETECTION	D		
	AMP MODE	ASSOC. CONTROLLER PHASES	ZONE DIMENSIONS	DETECTION ZONE	ZONE NO.
	PRES.	1&2	7 x 50	Z1-1	1
-	PRES.	2	7 x 50	Z2-1	2
DE	PRES.	5	8 x 50	Z4-1	3
	PRES.	2&3	7 x 50	Z5-1	4
	PRES.	2	7 x 50	Z6-1	5
DE	PRES.	5	8 x 50	Z8-1	6
	PRES.	2&3	7 x 50	Z1W-1	7
	PRES.	2	7 x 50	Z2W-1	8
	PRES.	2	7 x 50	Z2W-2	9
	PRES.	2	7 x 50	Z6W-1	10
	PRES.	5	8 x 50	Z8W-1	11
DE	PRES.	5	8 x 50	Z8W-2	12

- PHASE IS GREEN.



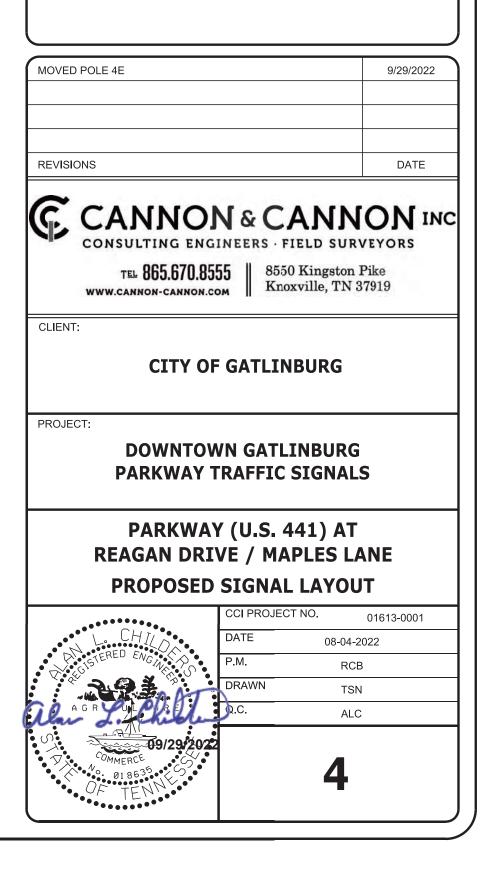
DAMPER PLATES NOT REQUIRED ON MAST ARMS FOR POLES 4C AND 4F.

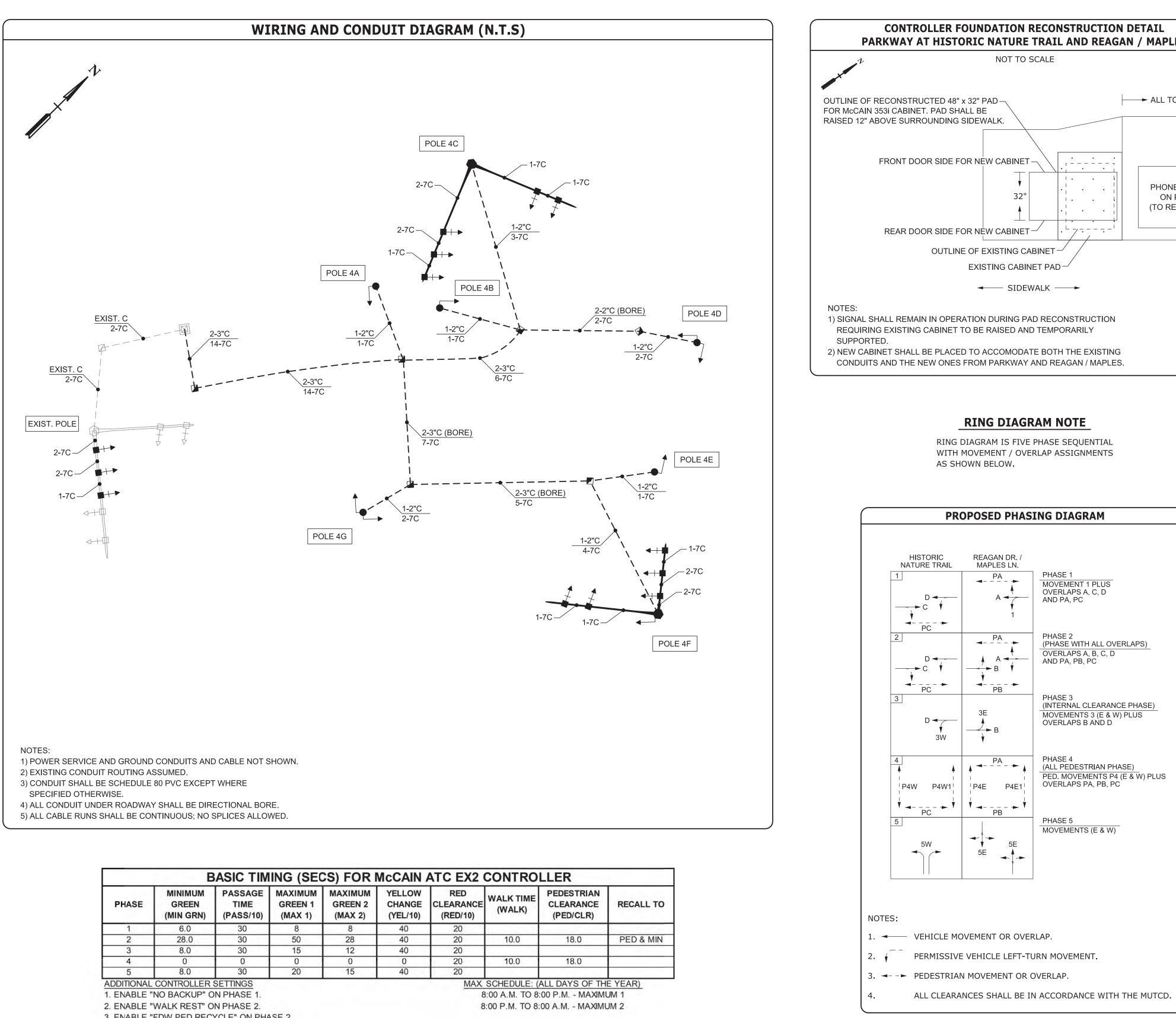


INSTALL W3-3 AND W16-15P SIGNS A DISTANCE OF 150± FEET FROM STOP BAR ON PARKWAY. **INSTALL SIGNS ON A TEMPORARY POST** FOR MINIMUM OF 6 WEEKS AFTER COMPLETION OF CONSTRUCTION.

_C	OCATIONS					
	EASTING	MAST ARM SPREAD				
	2705386.02	1				
	2705397.35	1				
	2705391.21	45' & 40'				
	2705443.31					
	2705473.92	100 000				
	2705455.02	25' & 40'				
	2705411.89					

	EXISTING LEGEND
	PAD MOUNTED CONTROLLER CABINET
\bigcirc	SIGNAL STRAIN POLE
\bigcirc	PEDESTRIAN PEDESTAL POLE/POST
	VEHICLE SIGNAL HEAD
	PEDESTRIAN SIGNAL HEAD
	SIGNAL MAST ARM
	SIGNAL PULL BOX
	SIGNAL SPAN WIRE
	SIGNAL CONDUIT
þ	SIGN ON POST
	PROPOSED LEGEND
	POLE MOUNTED CONTROLLER CABINET
	SIGNAL STRAIN POLE
•	PEDESTRIAN PEDESTAL POLE/POST
■++▶ 2	VEHICLE SIGNAL HEAD W/ ASSOCIATED PHASE
	PEDESTRIAN SIGNAL HEAD W/ ASSOCIATED PHASE
— РВ (Р2)	PEDESTRIAN PUSHBUTTON AND SIGN W/ ASSOCIATED PHASE
	SIGNAL MAST ARM
•	GRIDSMART VIDEO DETECTION
	SIGNAL PULL BOX (TYPE B)
	FIBER OPTIC PULL BOX
	SIGNAL CONDUIT (PVC)
	OVERHEAD SIGN
Z2-1	VIDEO DETECTION ZONE W/ ASSOCIATED PHASE
Þ	SIGN ON POST





	B	BASIC TIM	ING (SEC	CS) FOR I	McCAIN	ATC
PHASE	MINIMUM GREEN (MIN GRN)	PASSAGE TIME (PASS/10)	MAXIMUM GREEN 1 (MAX 1)	MAXIMUM GREEN 2 (MAX 2)	YELLOW CHANGE (YEL/10)	CLE. (R
1	6.0	30	8	8	40	
2	28.0	30	50	28	40	-
3	8.0	30	15	12	40	
4	0	0	0	0	0	
5	8.0	30	20	15	40	

3. ENABLE "FDW PED RECYCLE" ON PHASE 2.

4. ENABLE "NO MIN YELLOW" ON PHASE 4.

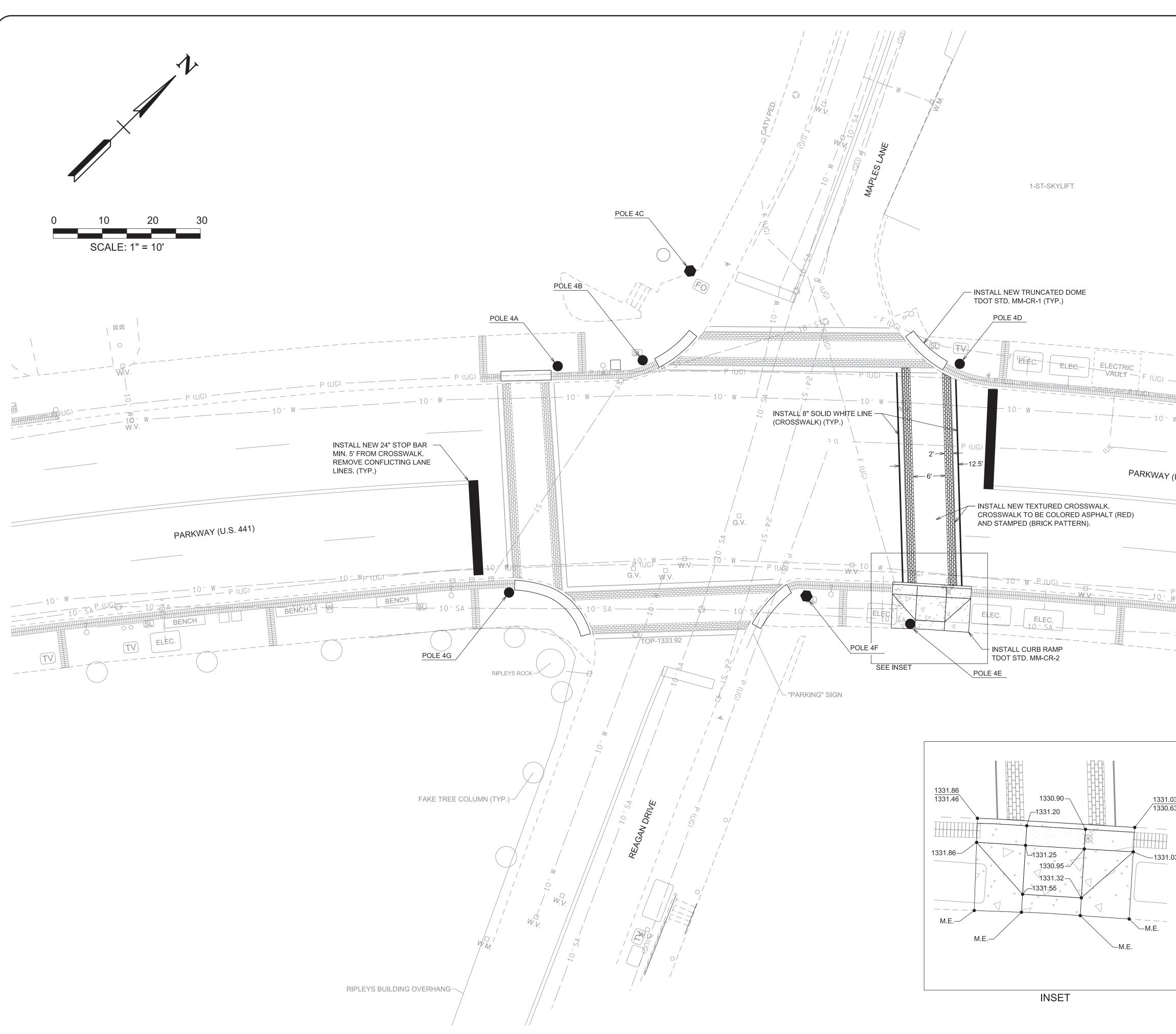
5. ALL OTHER SETTINGS SHALL BE PER MANUFACTURER RECOMMENDATIONS.

IL APLES	
LL TO REMAIN	
HONE BOX ON PAD O REMAIN)	

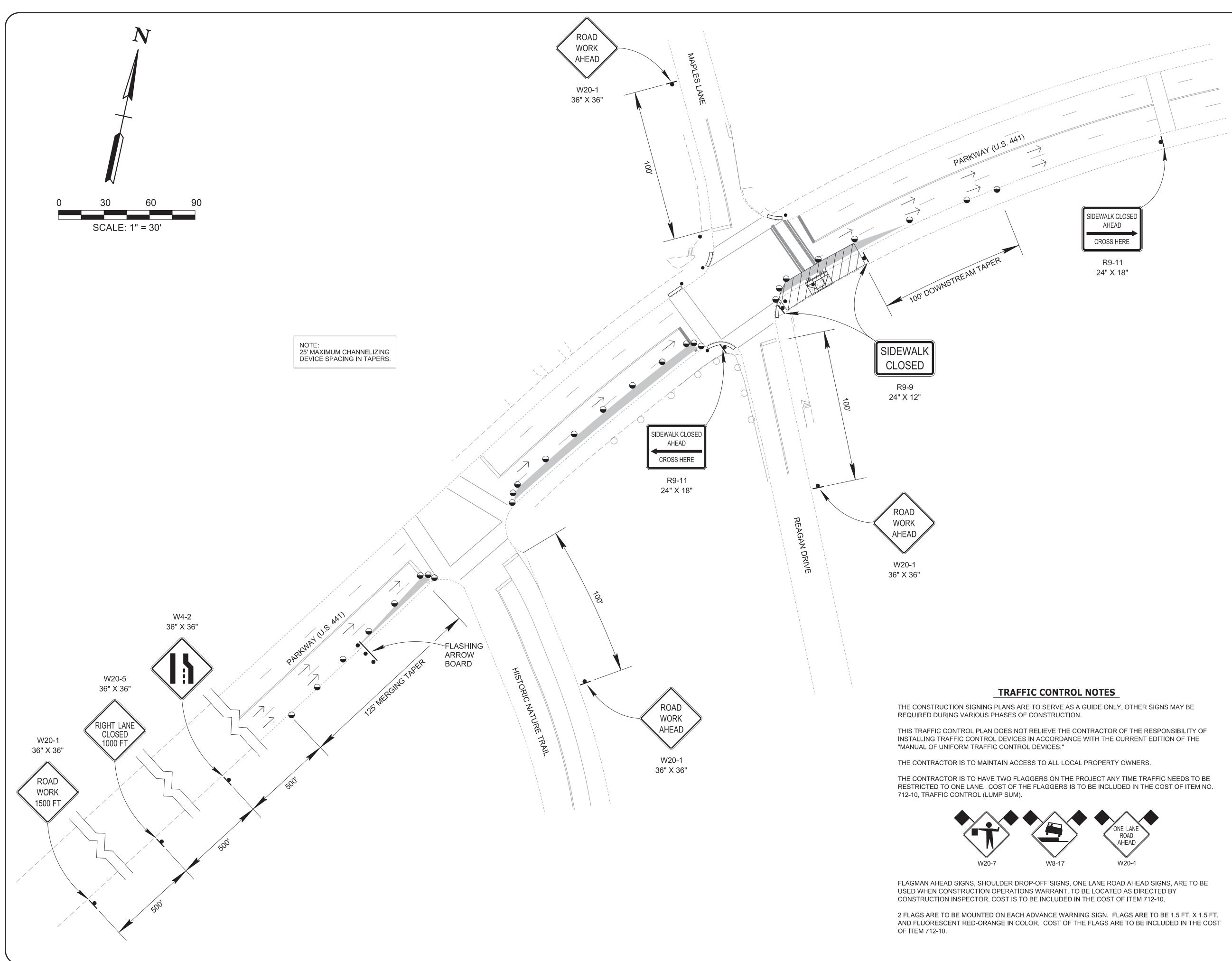
REVISI	ONS		DATE
Ę		CANN • FIELD SUF 550 Kingston Knoxville, TN	Pike
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	CITY OF GATL	INBURG	
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PROJE	DOWNTOWN GAT PARKWAY TRAFFI	C SIGNAI	S
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	DOWNTOWN GAT PARKWAY TRAFFI PARKWAY (U.S. REAGAN DRIVE / M SIGNAL OPERATION	C SIGNAI 441) AT APLES L IAL SETT JECT NO. 08-04 RC TS AL	-S ANE INGS 01613-0001 -2022 :B N C
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9/29/2022

MOVED POLE 4E



		PROPOSED LEGEND	
		SIGNAL STRAIN POLE	
	•	PEDESTRIAN PEDESTAL PO	LE/POST
	ŀ	GROUND MOUNTED SIGN	
		TRUNCATED DOME SURFAC	E
	v	CONCRETE SIDEWALK/RAMI	P
		STOP BAR	
			,
		STAMPED AND STAINED CR(MATCH EXISTING	USSWALK
$W \bigoplus_{W,V} M = 0$			
(U.S. 441)			
$P_{N} = P_{N} = P_{N$	MOVED POLE 4E		9/29/2022
VAM W:M:			
	REVISIONS		DATE
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	PROJECT:		
03	DO	WNTOWN GATLINBURG KWAY TRAFFIC SIGNAL	
		RKWAY (U.S. 441) AT	
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	PRO		
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		J9/29/2022	
	COMMERCE 10: 018635 07 TEN	4 B	



SIGN (CONSTRUCTION) ARROW BOARD TYPE C • • • TYPE III BARRICADE FLAGGER SYMBOL TRAFFIC FLOW ARROW \rightarrow WORK AREA LANE CLOSURE

TRAFFIC CONTROL LEGEND

 \bullet

FLEXIBLE DRUMS (CHANNELIZING)

REVISIONS



TEL 865.670.8555 8550 Kingston Pike WWW.CANNON-CANNON.COM Knoxville, TN 37919

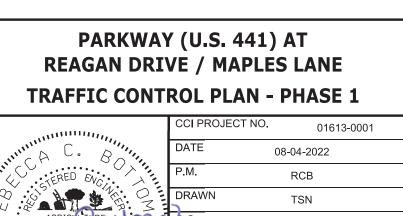
DATE

CLIENT:

PROJECT:

CITY OF GATLINBURG

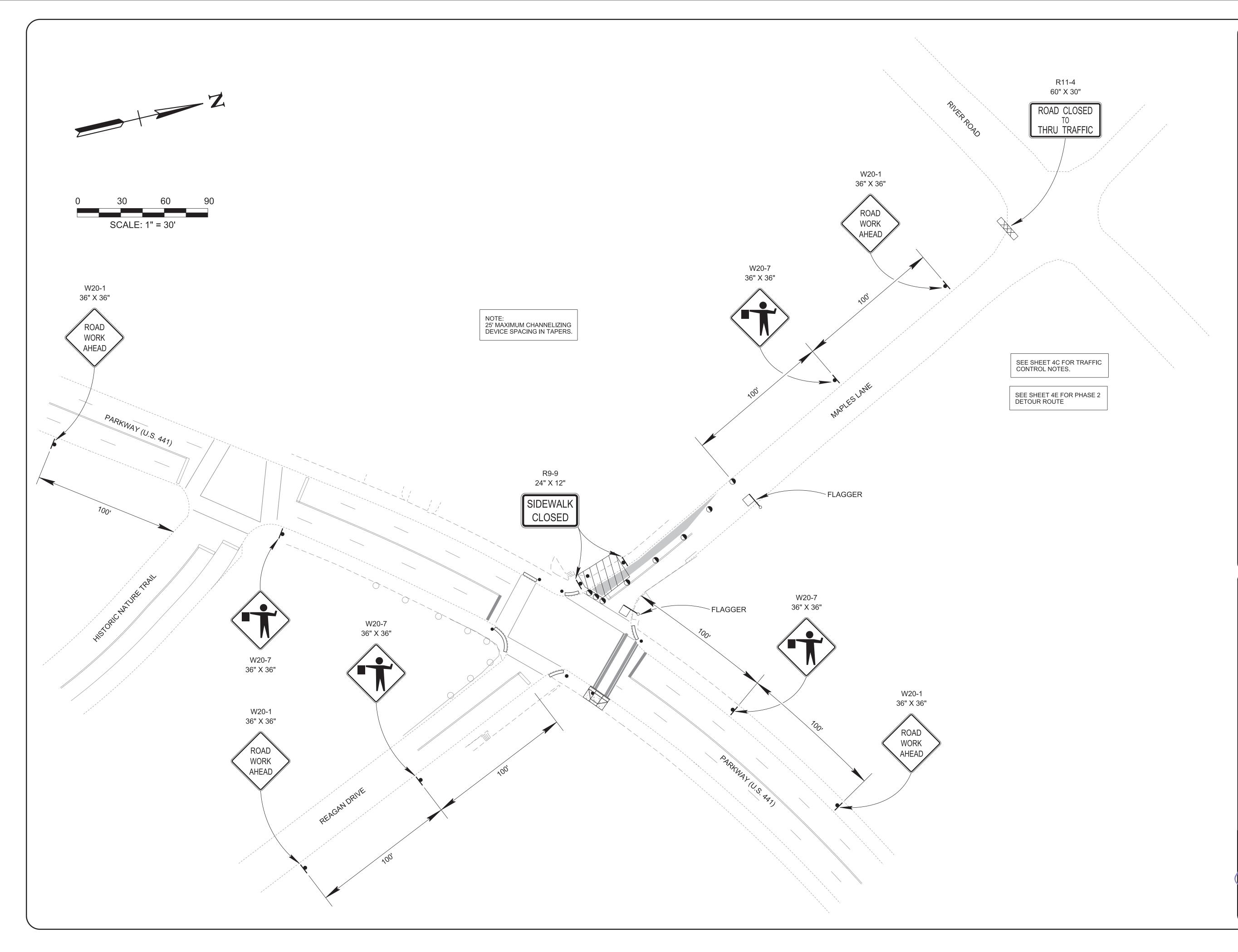
DOWNTOWN GATLINBURG PARKWAY TRAFFIC SIGNALS

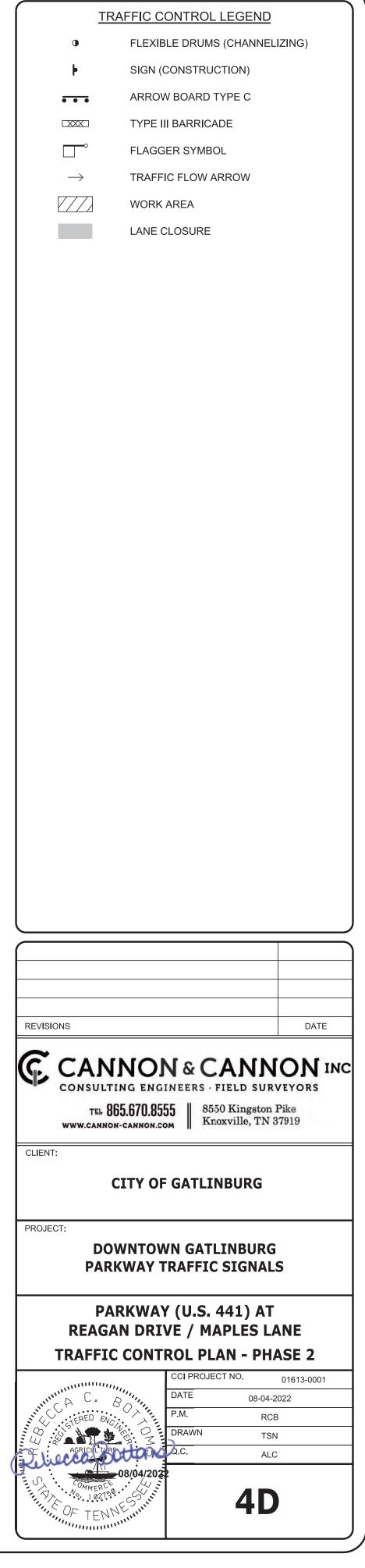


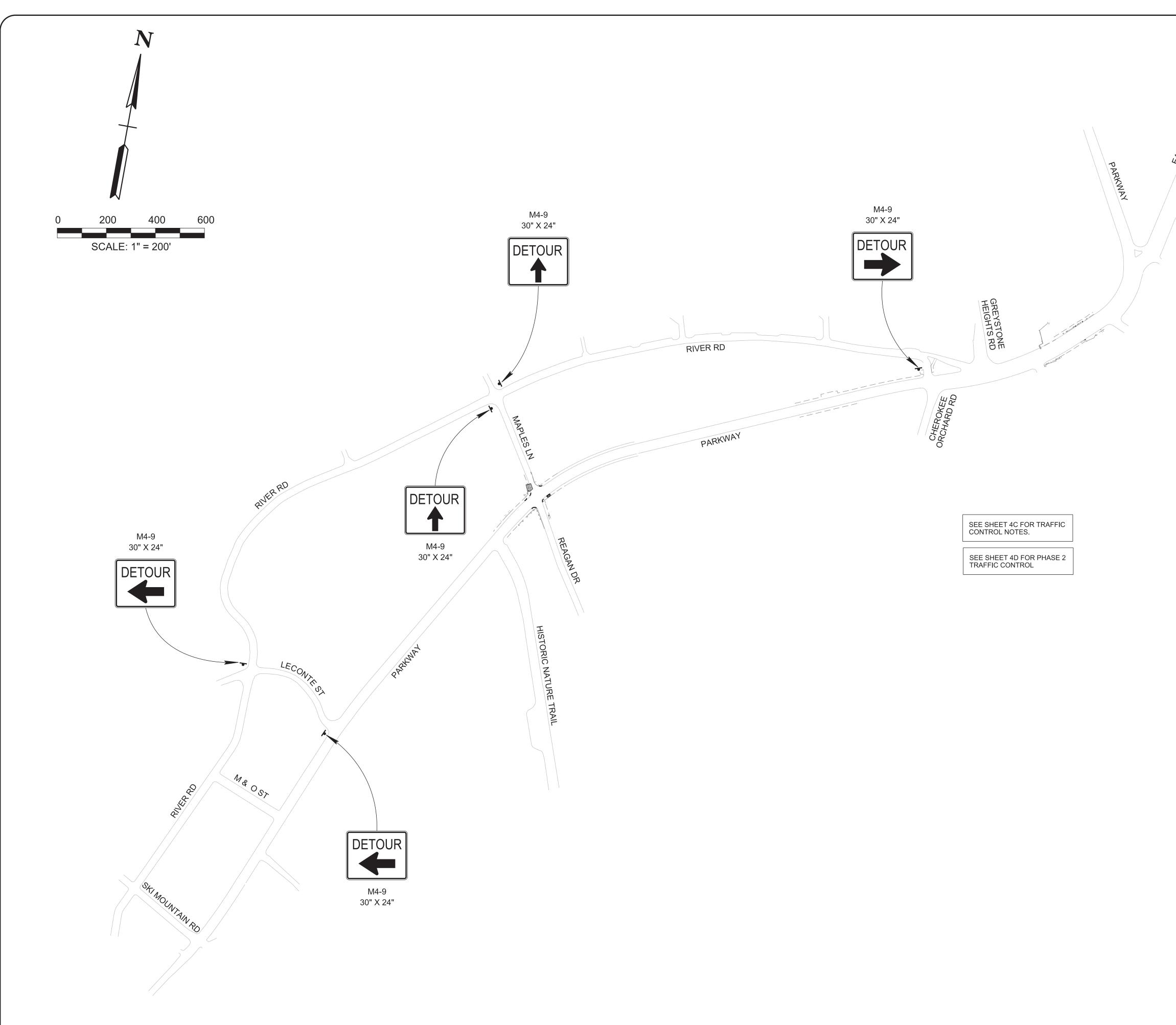
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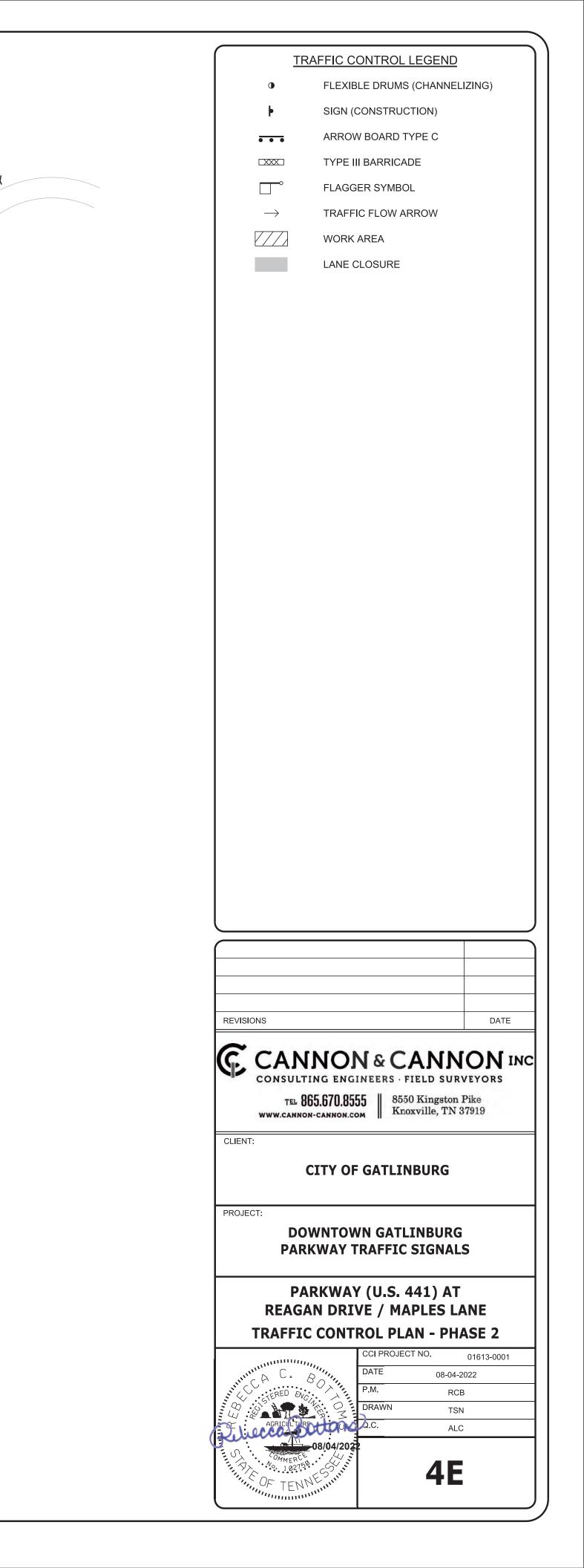
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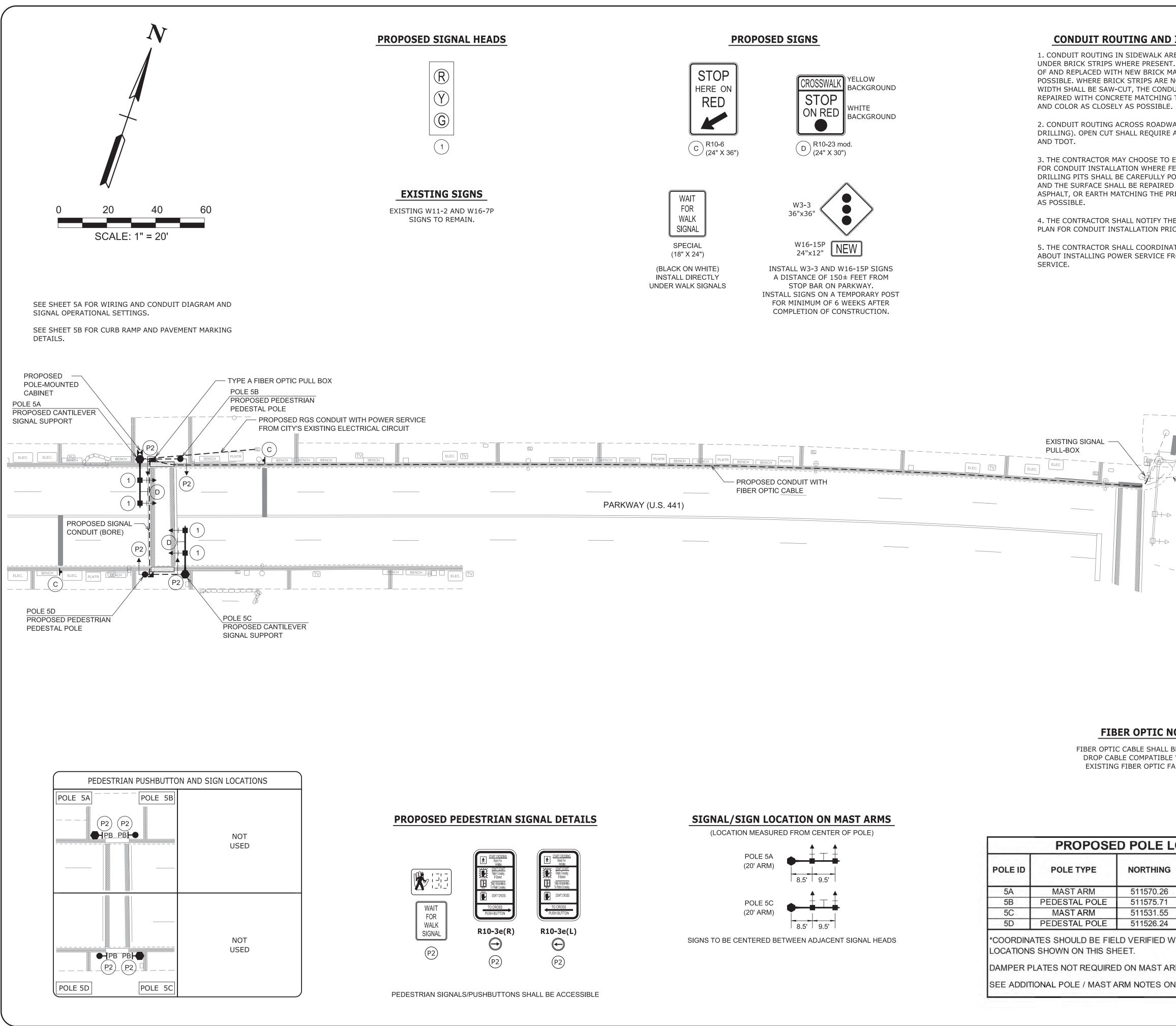
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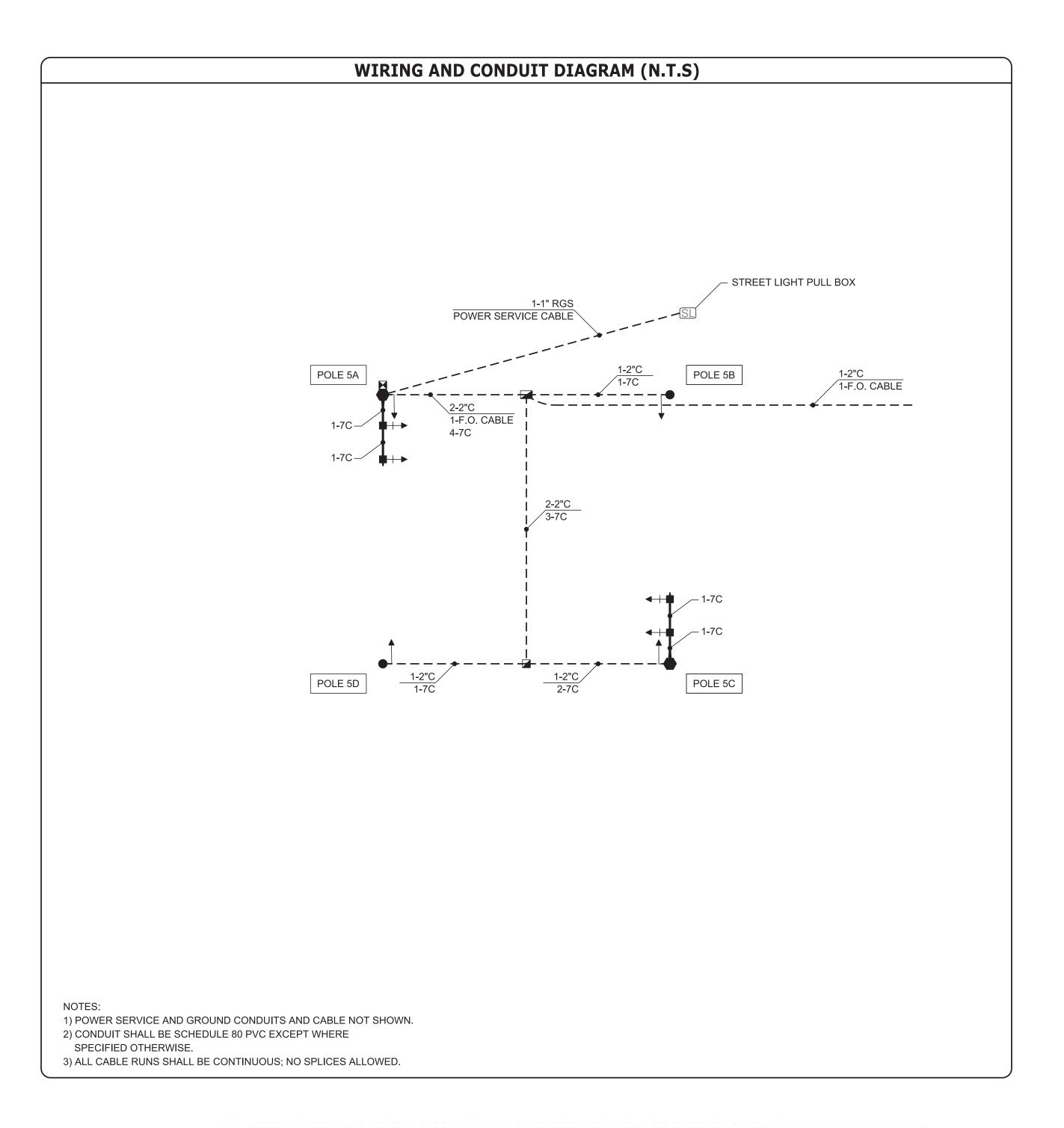








			(
CONDUIT RC	OUTING AND INSTALLA	TION NOTES		EXISTING LEGEND PAD MOUNTED
	IN SIDEWALK AREAS IS SHOWN WHERE PRESENT. REMOVED BR			CONTROLLER CABINET
OF AND REPLACED WI	TH NEW BRICK MATCHING THE ICK STRIPS ARE NOT PRESENT,	EXISTING AS CLOSELY AS	\bigcirc	SIGNAL STRAIN POLE
WIDTH SHALL BE SAW REPAIRED WITH CONC	/-CUT, THE CONDUIT INSTALLED), AND THE SURFACE	0	PEDESTRIAN PEDESTAL POLE/POST
AND COLOR AS CLOSE				PEDESTRIAN SIGNAL HEAD
	ACROSS ROADWAY IS SHOWN			SIGNAL MAST ARM
	MAY CHOOSE TO EMPLOY BORE	(DIRECTIONAL DRILLING)		SIGNAL PULL BOX
DRILLING PITS SHALL	LATION WHERE FEASIBLE UNDE BE CAREFULLY POSITIONED IN	NON-ROADWAY AREAS ONLY,		SIGNAL SPAN WIRE
	IALL BE REPAIRED UPON COMPLI 1ATCHING THE PRE-CONSTRUCT			SIGNAL CONDUIT
	SHALL NOTIFY THE CITY OF GAT	LINBURG REGARDING THE	þ	SIGN ON POST
	NSTALLATION PRIOR TO COMME			PROPOSED LEGEND
	SHALL COORDINATE WITH THE (OWER SERVICE FROM EXISTING			POLE MOUNTED
JLAVICE.				CONTROLLER CABINET
				SIGNAL STRAIN POLE
	ROAD	BNE		PEDESTRIAN PEDESTAL POLE/POST VEHICLE SIGNAL HEAD
	E			W/ ASSOCIATED PHASE
				PEDESTRIAN SIGNAL HEAD W/ ASSOCIATED PHASE
				PEDESTRIAN PUSHBUTTON AND
		EXISTING		SIGN W/ ASSOCIATED PHASE SIGNAL MAST ARM
		CABINET		GRIDSMART VIDEO DETECTION
EXISTING SIGNAL —				
PULL-BOX				SIGNAL PULL BOX (TYPE B)
				FIBER OPTIC PULL BOX
	EXIST			SIGNAL CONDUIT (PVC)
		CABLE		OVERHEAD SIGN
		PLACE PULL BOX	Z2-1	VIDEO DETECTION ZONE W/ ASSOCIATED PHASE
		TIC PULL BOX		SIGN ON POST
	42 <u>E</u>			
			REVISIONS	DATE
FIE	BER OPTIC NOTE		CAN CONSULTI	NON & CANNON INC
FIBER OPT	IC CABLE SHALL BE 6 STRAND		CAN CONSULTI	NON & CANNON INC NG ENGINEERS · FIELD SURVEYORS 5.670.8555 8550 Kingston Pike Knowille TN 27010
FIBER OPT DROP CA			CAN. CONSULTI	NON & CANNON INC NG ENGINEERS · FIELD SURVEYORS 5.670.8555 8550 Kingston Pike Knowille TN 27010
FIBER OPT DROP CA	IC CABLE SHALL BE 6 STRAND BLE COMPATIBLE WITH THE		CLIENT:	NON & CANNON INC NG ENGINEERS · FIELD SURVEYORS 5.670.8555 8550 Kingston Pike Knowille TN 27010
FIBER OPT DROP CA	IC CABLE SHALL BE 6 STRAND BLE COMPATIBLE WITH THE		CLIENT:	NON & CANNON INC NG ENGINEERS - FIELD SURVEYORS 5.670.8555 -CANNON.COM 8550 Kingston Pike Knoxville, TN 37919
FIBER OPT DROP CA	IC CABLE SHALL BE 6 STRAND BLE COMPATIBLE WITH THE		CLIENT: PROJECT: DOV	NON & CANNON INC NG ENGINEERS - FIELD SURVEYORS 5.670.8555 -CANNON.COM 8550 Kingston Pike Knoxville, TN 37919 CITY OF GATLINBURG
FIBER OPTI DROP CA EXISTIN	IC CABLE SHALL BE 6 STRAND BLE COMPATIBLE WITH THE	NS	CLIENT: PROJECT: DOV	NON & CANNON INC NG ENGINEERS - FIELD SURVEYORS 5.670.8555 -CANNON.COM 8550 Kingston Pike Knoxville, TN 37919 EITY OF GATLINBURG
FIBER OPTI DROP CA EXISTIN PROPOSE	IC CABLE SHALL BE 6 STRAND BLE COMPATIBLE WITH THE G FIBER OPTIC FACILITIES.	MAST ARM	CLIENT: PROJECT: DOV PARK	NON & CANNON INC NG ENGINEERS - FIELD SURVEYORS 5.670.8555 -CANNON.COM 8550 Kingston Pike Knoxville, TN 37919 CITY OF GATLINBURG
FIBER OPTI DROP CA EXISTIN PROPOSE OLE ID POLE TYPE	IC CABLE SHALL BE 6 STRAND ABLE COMPATIBLE WITH THE IG FIBER OPTIC FACILITIES. ED POLE LOCATIO NORTHING EASTIN	NG MAST ARM SPREAD	CLIENT: PROJECT: DOV PARK	NON & CANNON INC NG ENGINEERS - FIELD SURVEYORS 5.670.8555 -CANNON.COM 8550 Kingston Pike Knoxville, TN 37919 TTY OF GATLINBURG WNTOWN GATLINBURG WNTOWN GATLINBURG WAY TRAFFIC SIGNALS RKWAY (U.S. 441) AT QUARE / VILLAGE SHOPPES
FIBER OPTI DROP CA EXISTIN PROPOSE OLE ID POLE TYPE 5A MAST ARM 5B PEDESTAL POLE	IC CABLE SHALL BE 6 STRAND BLE COMPATIBLE WITH THE G FIBER OPTIC FACILITIES. ED POLE LOCATIO NORTHING EASTIN 511570.26 2706550 511575.71 2706565	NG MAST ARM SPREAD	CLIENT: PROJECT: DOV PARK	NON & CANNON INC NG ENGINEERS - FIELD SURVEYORS 5.670.8555 - CANNON.COM 8550 Kingston Pike Knoxville, TN 37919 CITY OF GATLINBURG WAT OF GATLINBURG WAT TRAFFIC SIGNALS RKWAY (U.S. 441) AT QUARE / VILLAGE SHOPPES OSED SIGNAL LAYOUT
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FIBER OPTI DROP CA EXISTIN DROP CA EXISTIN DLE ID POLE TYPE 5A MAST ARM 5B PEDESTAL POLE 5C MAST ARM 5D PEDESTAL POLE 5C MAST ARM 5D PEDESTAL POLE	IC CABLE SHALL BE 6 STRAND BLE COMPATIBLE WITH THE G FIBER OPTIC FACILITIES. D POLE LOCATIO NORTHING EASTIN 511570.26 2706550 511575.71 2706565 511531.55 2706582 511526.24 2706567 ELD VERIFIED WITH PROPOSE	MAST ARM SPREAD 0.00 20' 0.64 20' 0.70 20'	CLIENT: PROJECT: DOV PARK	NON & CANNON ING NG ENGINEERS - FIELD SURVEYORS 5.670.8555 CANNON.COM 8550 Kingston Pike Knoxville, TN 37919 STTY OF GATLINBURG KNTOWN GATLINBURG WAY TRAFFIC SIGNALS RKWAY (U.S. 441) AT QUARE / VILLAGE SHOPPES OSED SIGNAL LAYOUT CCI PROJECT NO. 01613-0001 DATE 08-04-2022 P.M. RCB
FIBER OPTI DROP CA EXISTIN	IC CABLE SHALL BE 6 STRAND BLE COMPATIBLE WITH THE IG FIBER OPTIC FACILITIES. ED POLE LOCATIO NORTHING EASTIN 511570.26 2706550 511575.71 2706565 511526.24 2706567 ELD VERIFIED WITH PROPOS HEET.	MAST ARM SPREAD 0.00 20' 0.64 20' 0.70 20' 0.10 500'	CLIENT: PROJECT: DOV PARK	NON & CANNON INC. NG ENGINEERS - FIELD SURVEYORS 5.670.8555 -CANNON.COM 8550 Kingston Pike Knoxville, TN 37919 CITY OF GATLINBURG KWAY TRAFFIC SIGNALS RKWAY (U.S. 441) AT QUARE / VILLAGE SHOPPES OSED SIGNAL LAYOUT CCI PROJECT NO. 01613-0001 DATE 08-04-2022
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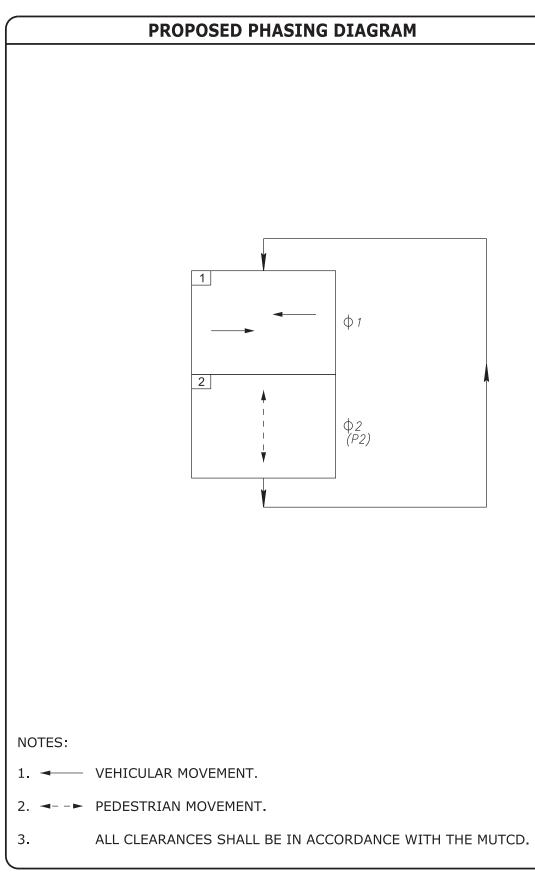


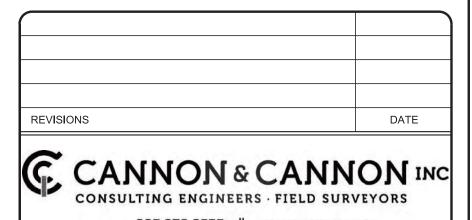
	B	BASIC TIM	ING (SEC	S) FOR I	McCAIN /	ATC EX2	CONTRO	LLER	
PHASE	MINIMUM GREEN (MIN GRN)	PASSAGE TIME (PASS/10)	MAXIMUM GREEN 1 (MAX 1)	MAXIMUM GREEN 2 (MAX 2)	YELLOW CHANGE (YEL/10)	RED CLEARANCE (RED/10)	WALK TIME (WALK)	PEDESTRIAN CLEARANCE (PED/CLR)	RECALL TO
1	30.0	30	60	60	40	20			MIN.
2	0	0	0	0	0	20	10.0	16.0	

ADDITIONAL CONTROLLER SETTINGS 1. ENABLE "NO MIN YELLOW" ON PHASE 2.

2. ALL OTHER SETTINGS SHALL BE PER MANUFACTURER RECOMMENDATIONS.

PROP		OLL	ER RING DI	AGRAM
$\stackrel{1}{\longleftrightarrow}$	2 ^	RIER	³ NOT USED	4 NOT USED
⁵ NOT USED	6 NOT USED	BARF	⁷ NOT USED	⁸ NOT USED





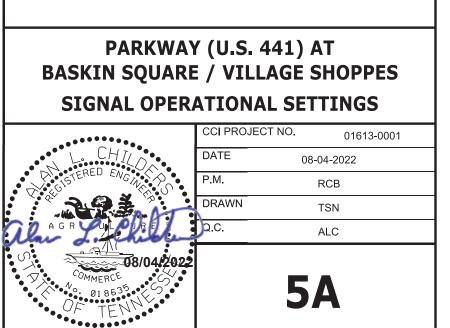
CITY OF GATLINBURG

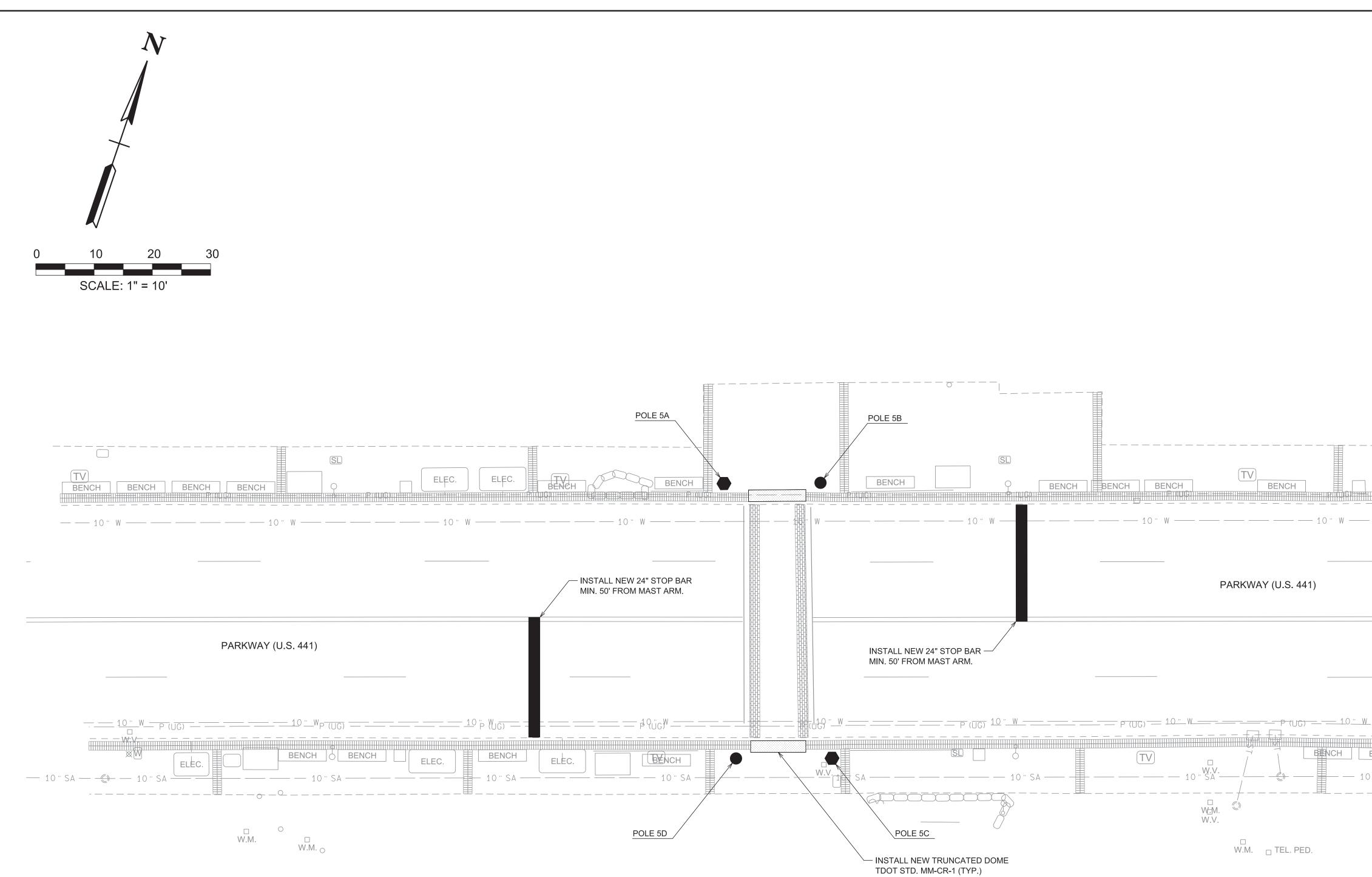
TEL 865.670.8555 8550 Kingston Pike WWW.CANNON-CANNON.COM Knoxville, TN 37919

CLIENT:

PROJECT:

DOWNTOWN GATLINBURG PARKWAY TRAFFIC SIGNALS

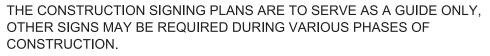




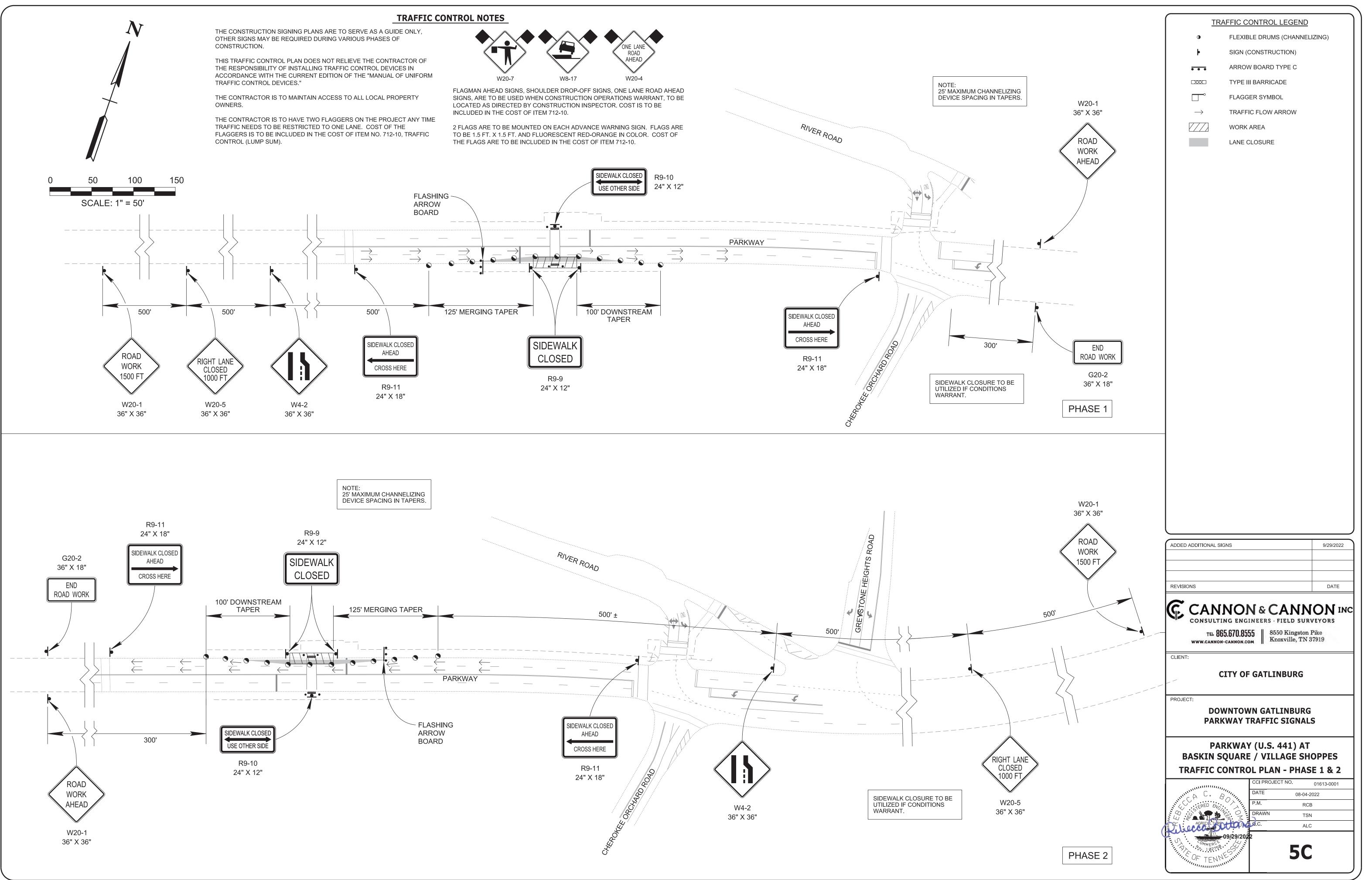
		PROPOS	ED LEGEND	
		SIGNAL	STRAIN POLE	
	•	PEDEST	RIAN PEDESTAL POL	E/POST
	þ	GROUNE	MOUNTED SIGN	
	8888888 8	TRUNCA	TED DOME SURFACE	=
	7. J	CONCRE	TE SIDEWALK/RAMP	
	_	STOP BA	٨R	
	11111	LONGITU	JDINAL CROSSWALK	
			D AND STAINED CRC EXISTING	DSSWALK
— 10 ° W —				
— 10 W —				
EC.	EDITED STOP BAR TEX	XT		9/29/2022
	REVISIONS			DATE
	C CAN	NON	&CANN	ON INC
			& CANN	
	TEL 8	65.670.8555 n-cannon.com	8550 Kingston I Knoxville, TN 3	Pike 7919
	CLIENT:			
	(GATLINBURG	
	PROJECT:			
		WNTOWI	N GATLINBURG	
	PAR	KWAY TR	RAFFIC SIGNALS	5
	РА	RKWAY	(U.S. 441) AT	
			/ VILLAGE SH	
			RAMP LAYOUT	01613-0001
	L. CHI		DATE 08-04-2	022
			P.M. RCB	
(Kille P	Q.C. ALC	
	COMMERCE No. 018635	9/29/2022	5B	
	OF TEN	NY		j j

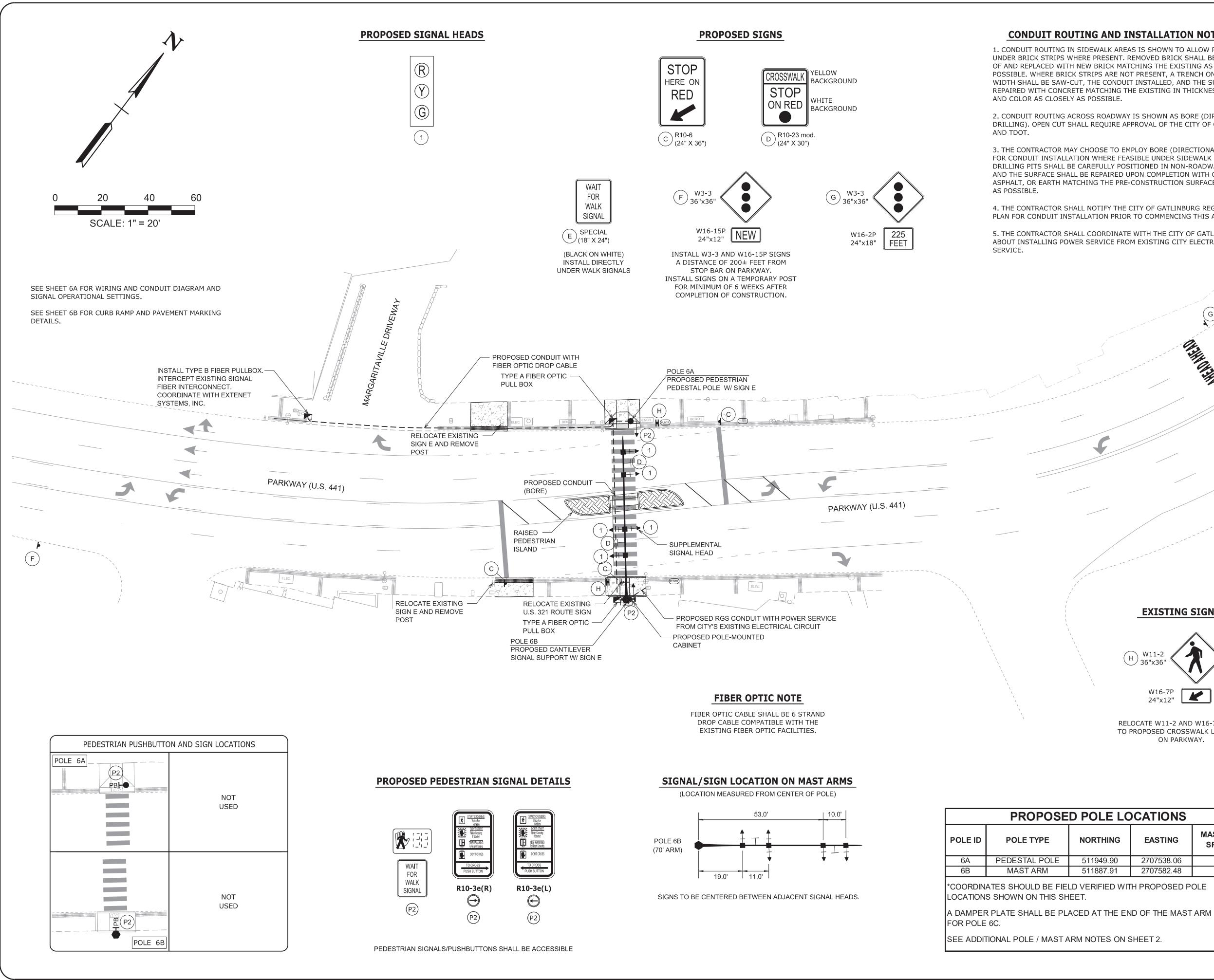
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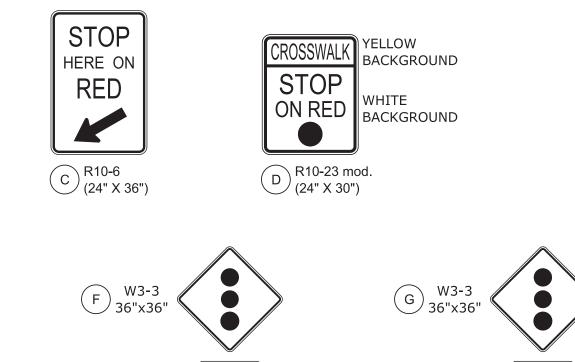
<u>P (UG)</u>	
BENCH W ELEC. TV	
0 " SA	-



THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT EDITION OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES."



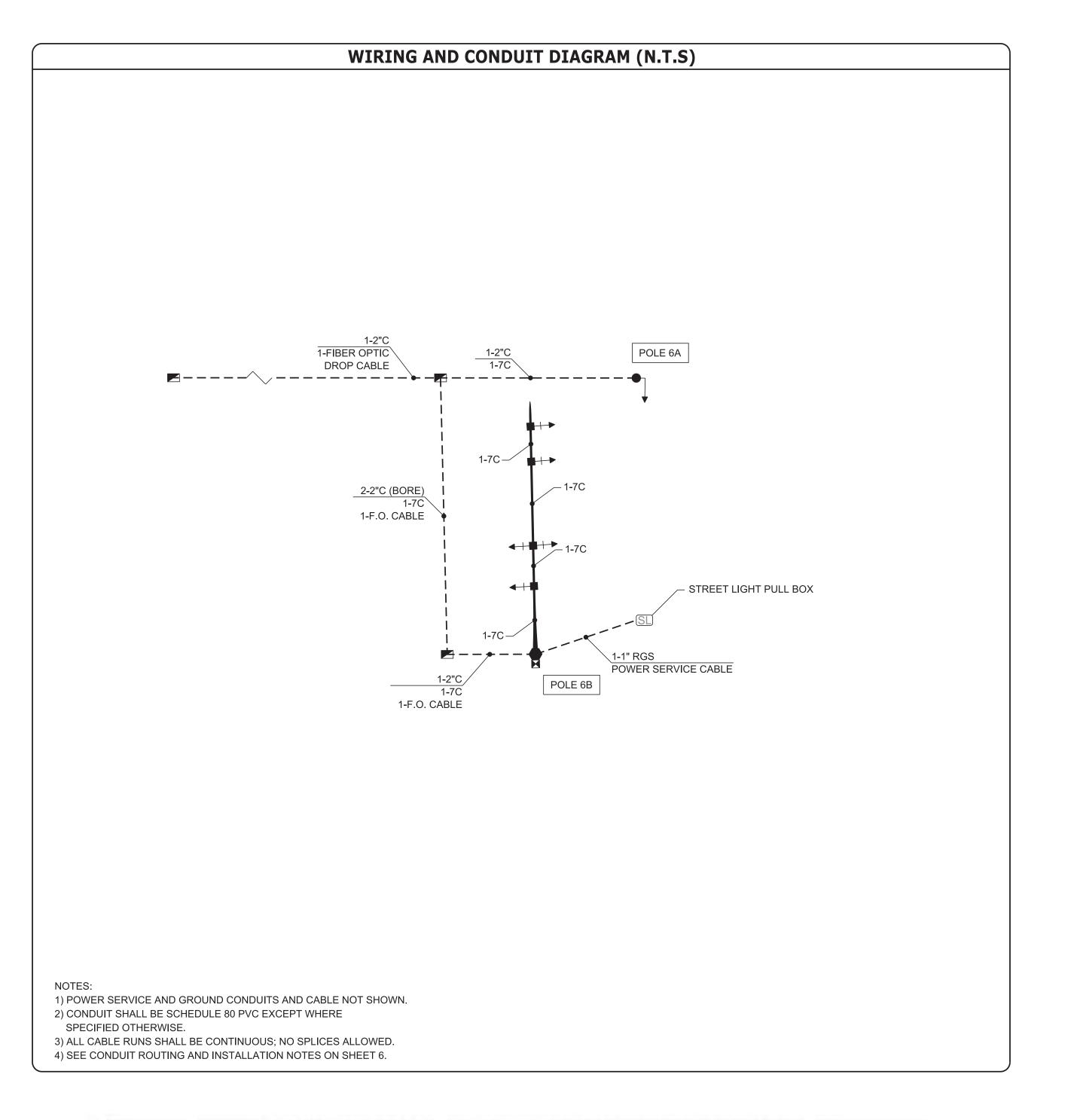




					EXISTING LEGEND	
	NSTALLATION				PAD MOUNTED CONTROLLER CABINET	
SENT. R	S IS SHOWN TO A	HALL BE DISPOSE	D	\square	SIGNAL STRAIN POLE	
ARE NO	CHING THE EXISTI T PRESENT, A TRE	NCH ONE FOOT IN		\bigcirc	PEDESTRIAN PEDESTAL POLE/POST	
	T INSTALLED, AND IE EXISTING IN TH		RE,		VEHICLE SIGNAL HEAD	
	IS SHOWN AS BO				PEDESTRIAN SIGNAL HEAD	
	PROVAL OF THE CI				SIGNAL MAST ARM	
Ε ΤΟ ΕΜ	PLOY BORE (DIRE	CTIONAL DRILLIN	G)		SIGNAL PULL BOX	
RE FEA	SIBLE UNDER SIDE	EWALK OR DRIVE	WAYS.		SIGNAL SPAN WIRE	
	PON COMPLETION CONSTRUCTION S	-			SIGNAL CONDUIT	
				þ	SIGN ON POST	
	CITY OF GATLINBU		ΉE	۲ ا	SIGN ON POST	
	WITH THE CITY O				PROPOSED LEGEND	
CE FRO	M EXISTING CITY I	ELECTRICAL			POLE MOUNTED CONTROLLER CABINET	
				•	SIGNAL STRAIN POLE	
				•	PEDESTRIAN PEDESTAL POLE/POST	
					VEHICLE SIGNAL HEAD	
		G	1.		W/ ASSOCIATED PHASE	
			20		PEDESTRIAN SIGNAL HEAD W/ ASSOCIATED PHASE	
		Ny OF SU			PEDESTRIAN PUSHBUTTON AND SIGN W/ ASSOCIATED PHASE	
		1			SIGNAL MAST ARM	
			/	•	GRIDSMART VIDEO DETECTION	
					SIGNAL PULL BOX (TYPE B)	
		/			FIBER OPTIC PULL BOX	
					SIGNAL CONDUIT (PVC)	
		/			OVERHEAD SIGN	
					VIDEO DETECTION ZONE	
_					W/ ASSOCIATED PHASE	
/				P	SIGN ON POST	
	-					
	EXISTING	SIGNS			L HEAD, PEDESTRIAN ISLAND, AND 9/29/2022	
		<u>510115</u>		SIGNAL AHEAD SIGN / M	MARKINGS.	
	H W11-2 36"x36"			REVISIONS	DATE	
		\mathbf{V}		CAN.	NON & CANNON IN	IC
	W16-7P 24"x12"				NG ENGINEERS · FIELD SURVEYORS 5.670.8555 8550 Kingston Pike	
				TEL OO WWW.CANNON	17	
	OCATE W11-2 AND PROPOSED CROSS ON PARKV	WALK LOCATION		CLIENT:		
	UN PARKV	VAT.		c	TTY OF GATLINBURG	
				PROJECT:	WNTOWN GATLINBURG	
EIC	CATIONS		1	PARK	WAY TRAFFIC SIGNALS	
		MAST ARM	1		(WAY (U.S. 441) NEAR	
ING	EASTING	SPREAD			ARITAVILLE DRIVEWAY	
).90 7.91	2707538.06 2707582.48	70']		CCI PROJECT NO. 01613-0001	
	H PROPOSED P		1	L. CHIL	DATE 08-04-2022	
				RECENTED AND	P.M. RCB DRAWN TSN	
THE EN	ID OF THE MAST	ARM				

ALC

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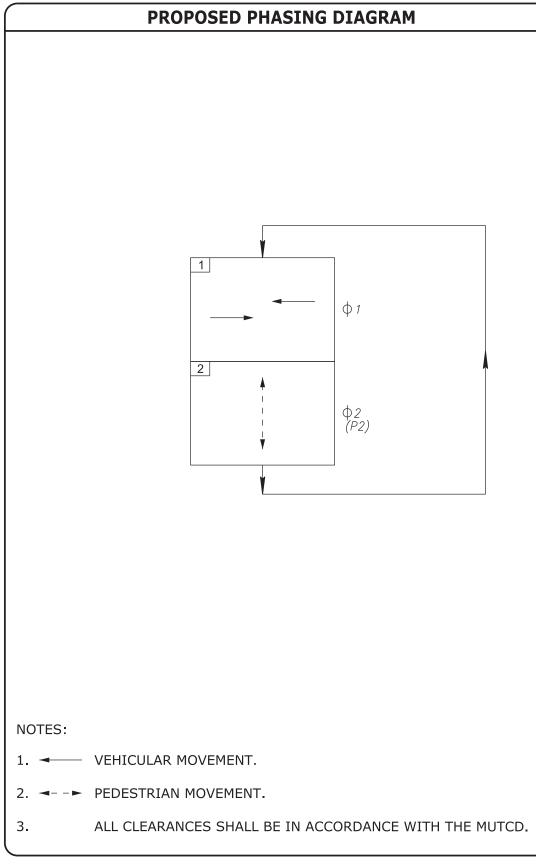
	E	BASIC TIN	ING (SE	CS) FOR I	McCAIN A	ATC EX2	CONTROL	LER	
PHASE	MINIMUM GREEN (MIN GRN)	PASSAGE TIME (PASS/10)	MAXIMUM GREEN 1 (MAX 1)	MAXIMUM GREEN 2 (MAX 2)	YELLOW CHANGE (YEL/10)	RED CLEARANC E (RED/10)	WALK TIME (WALK)	PEDESTRIAN CLEARANCE (PED/CLR)	RECALL TO
1	30.0	30	60	60	40	20			MIN.
2	0	0	0	0	0	20	10.0	16.0	

ADDITIONAL CONTROLLER SETTINGS

1. ENABLE "NO MIN YELLOW" ON PHASE 2.

2. ALL OTHER SETTINGS SHALL BE PER MANUFACTURER RECOMMENDATIONS.

PROP		OLLER RING DIA	AGRAM
$\begin{array}{c}1\\ \\ \longrightarrow\end{array}$	2 ^	³ NOT USED	⁴ NOT USED
5 NOT USED	6 NOT USED	7 NOT USED	⁸ NOT USED



CONSULTING EN TEL 865.670. WWW.CANNON-CANNON	8555 8550 K		IN
CLIENT:			
CITY	OF GATLINB	URG	
PROJECT:			
	OWN GATLIN	IBURG	
	(TRAFFIC SI	GNALS	
PARKWAY			
PARKWAY	Y (U.S. 441) TAVILLE DR RATIONAL) NEAR IVEWAY SETTINGS	
PARKWAY PARKWA MARGARIT	Y (U.S. 441) FAVILLE DR) NEAR IVEWAY SETTINGS ^{O.} 01613-000	1
PARKWAY PARKWA MARGARIT	Y (U.S. 441) TAVILLE DR RATIONAL) NEAR IVEWAY SETTINGS ^{0.} 01613-000 08-04-2022	1
PARKWAY PARKWA MARGARIT	Y (U.S. 441) TAVILLE DR RATIONAL CCI PROJECT N DATE) NEAR IVEWAY SETTINGS ^{O.} 01613-000	1
PARKWAY PARKWA MARGARIT	Y (U.S. 441) TAVILLE DR RATIONAL CCI PROJECT N DATE P.M.) NEAR IVEWAY SETTINGS 0. 01613-000 08-04-2022 RCB	1
PARKWAY PARKWA MARGARIT	Y (U.S. 441) TAVILLE DR RATIONAL CCI PROJECT N DATE P.M. DRAWN) NEAR IVEWAY SETTINGS 0. 01613-000 08-04-2022 RCB TSN	1
PARKWAY PARKWA MARGARIT	Y (U.S. 441) AVILLE DR RATIONAL CCI PROJECT N DATE P.M. DRAWN 0.C.) NEAR IVEWAY SETTINGS 0. 01613-000 08-04-2022 RCB TSN	1

9/29/2022

ADDED SUPPLEMENTAL SIGNAL HEAD.

