

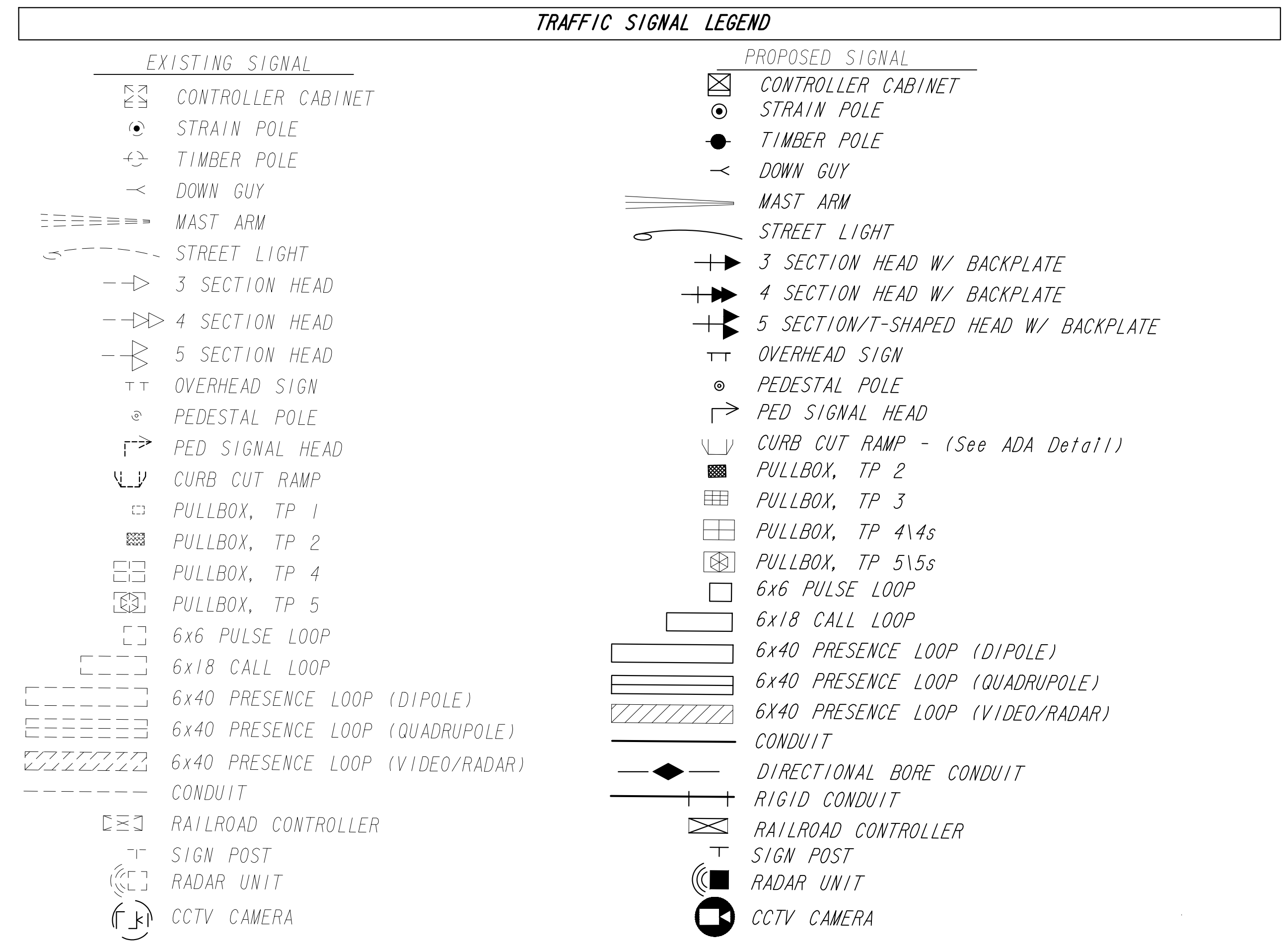
SIGNAL NOTES

1. THE COMPLETE SIGNAL INSTALLATION SHALL CONFORM TO ALL APPROPRIATE PARTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES CURRENT EDITION, INCLUDING SUBSEQUENT PUBLISHED RULINGS AND SPECIFICATIONS.
2. SIGNAL HEADS SHALL BE ERECTED TO PROVIDE AT LEAST 17 FEET BUT NO MORE THAN 19 FEET CLEARANCE FROM BOTTOM OF SIGNAL HEADS TO TOP OF ROAD SURFACE AND A MINIMUM OF 8 FEET MEASURED HORIZONTALLY BETWEEN CENTERS OF SIGNAL FACES.
3. SHIELDED CABLE WILL BE USED FOR DETECTOR RUNS AS SHOWN ON THE DETAIL SHEET. DETECTORS SHALL HAVE SEPARATE LEAD-INS TO THE CONTROL CABINET.
4. THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES IN VICINITY OF NEW TRAFFIC SIGNAL POLES BEFORE INSTALLATION. MINOR SHIFTS (UP TO A MAXIMUM OF 5 FEET) IN LOCATION OF NEW SIGNAL POLES, AT THE DISCRETION OF THE ENGINEER, ARE ACCEPTABLE TO AVOID UNDERGROUND AND OVERHEAD UTILITIES. MINIMUM CLEARANCES FROM EDGE OF PAVEMENT AND UTILITIES SHALL BE MAINTAINED. PLACEMENT OF THE SIGNAL HEADS MUST BE RETAINED AS SHOWN ON THE PLANS.
5. THE CONTRACTOR SHALL MAINTAIN EXISTING TRAFFIC SIGNALS DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC SIGNAL AND/OR CONTROL SYSTEM ADJUSTMENTS, INCLUDING TEMPORARY SUPPORT POLE LOCATION(S) REQUIRED BY THE PROJECT DURING THE INTERIM PERIOD THROUGH INSTALLATION OF NEW SIGNAL EQUIPMENT. AT NO TIME SHALL THE CONTRACTOR CAUSE ANY PART OF THE SIGNAL OPERATION TO BE INOPERABLE.
6. NEW SIGNAL POLES AND MAST ARMS SHALL MEET REQUIRED FAYETTE COUNTY AND GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
7. INSTALLATION IS TO BE CHECKED AND ACCEPTED BY THE COUNTY TRAFFIC ENGINEER PRIOR TO FINAL ACCEPTANCE. A COMPLETE SET OF WIRING DIAGRAMS SHALL BE FURNISHED TO THE FAYETTE COUNTY DEPARTMENT OF PUBLIC WORKS AT 115 MCDONOUGH RD, FAYETTEVILLE, GA 30214 BY THE CONTRACTOR PRIOR TO FINAL ACCEPTANCE.
8. WHEN REMOVED, EXISTING EQUIPMENT SHALL BE DELIVERED BY THE CONTRACTOR TO THE FAYETTE COUNTY DEPARTMENT OF PUBLIC WORKS AS DIRECTED BY THE COUNTY TRAFFIC ENGINEER. DELIVERY OF EQUIPMENT SHALL BE COORDINATED WITH COUNTY STAFF.

CONTACT INFORMATION (NOVEMBER 2024)  
 PHIL MALLON (770) 320-6010 PMALLON@FAYETTECOUNTYGA.GOV

9. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING POLE FOUNDATION DESIGNS TO THE COUNTY TRAFFIC ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
10. MATERIAL CERTIFICATION IS REQUIRED PRIOR TO BEGINNING ANY SIGNAL INSTALLATION WORK. THE CONTRACTOR SHALL FOLLOW PROCEDURES OUTLINED IN THE SPECIFICATION. ALL MATERIALS MUST BE REVIEWED AND APPROVED BY FAYETTE COUNTY PRIOR TO THE ORDERING OF MATERIALS.
11. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM FAYETTE COUNTY PRIOR TO START OF CONSTRUCTION.
12. THE CONTRACTOR IS TO COORDINATE WITH POWER COMPANY FOR SERVICE FEED FOR TRAFFIC SIGNALS.
13. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH MODIFYING EXISTING AND ESTABLISHING NEW POWER AND COMMUNICATIONS SERVICES FOR TRAFFIC SIGNAL. IF A UTILITY TRANSFORMER IS REQUIRED FOR TRAFFIC SIGNAL EQUIPMENT, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INCLUDE AS PART OF THEIR BID PRICE, FOR THAT TRAFFIC SIGNAL INSTALLATION IF THE RESPECTIVE UTILITY REQUIRES PAYMENT FOR INSTALLATION.
14. RADAR AND VIDEO DETECTOR UNIT LOCATIONS SHOWN ARE APPROXIMATE AND MAY REQUIRE FIELD ADJUSTMENT BY CONTRACTOR WITH MANUFACTURER'S GUIDANCE.
15. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL MONTHLY POWER AND COMMUNICATION SERVICE TO THE TRAFFIC SIGNAL INSTALLATION AND SUPPORT DEVICES, UNTIL THE NEW TRAFFIC SIGNAL INSTALLATION HAS SATISFACTORILY COMPLETED A TEST PERIOD OF UNINTERRUPTED OPERATION, FOR 30 DAYS. UPON COMPLETION OF THE TEST PERIOD, THE CONTRACTOR WILL COMPLETE A TRANSFER OF UTILITY COST TO FAYETTE COUNTY.
16. THE CONTRACTOR SHALL REPLACE IN KIND AND SIZE, AT NO SEPARATE EXPENSE TO THE COUNTY, ANY BARRIER WALL, FENCE, DITCH PAVING, CURBING, SIDEWALK, GUTTER, SLOPE PAVEMENT, SIGNS, GUARDRAILS, LANDSCAPING, GRASSINGS, UTILITY SERVICE LINES, STORM DRAIN PIPES, MASONRY WALLS AND PAVING THAT IS REMOVED, DAMAGED OR DESTROYED, DUE TO CONTRACTOR'S ACTIVITY.
17. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL NEW GUYS ON EXISTING UTILITY TIMBER POLES WHEN ATTACHING SPAN WIRE OR INTERCONNECT CABLE TO THE POLES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
18. THE INSTALLATIONS SHALL BE CAPABLE OF MONITORING OVER ETHERNET NETWORKS FROM EXISTING CENTRAL COMPUTERS OR VIA "CLOSED LOOP" MONITORING, PER THE COUNTY SIGNAL ENGINEER. NETWORK ABILITIES DEMONSTRATION IS REQUIRED AT CENTRAL SITES PRIOR TO FINAL ACCEPTANCE.
19. ALL EXISTING STOP BARS, WORDS, ARROWS, AND CROSSWALKS THAT ARE NOT REMOVED OR RELOCATED SHALL BE REPLACED IN ACCORDANCE WITH CURRENT GDOT STANDARDS.

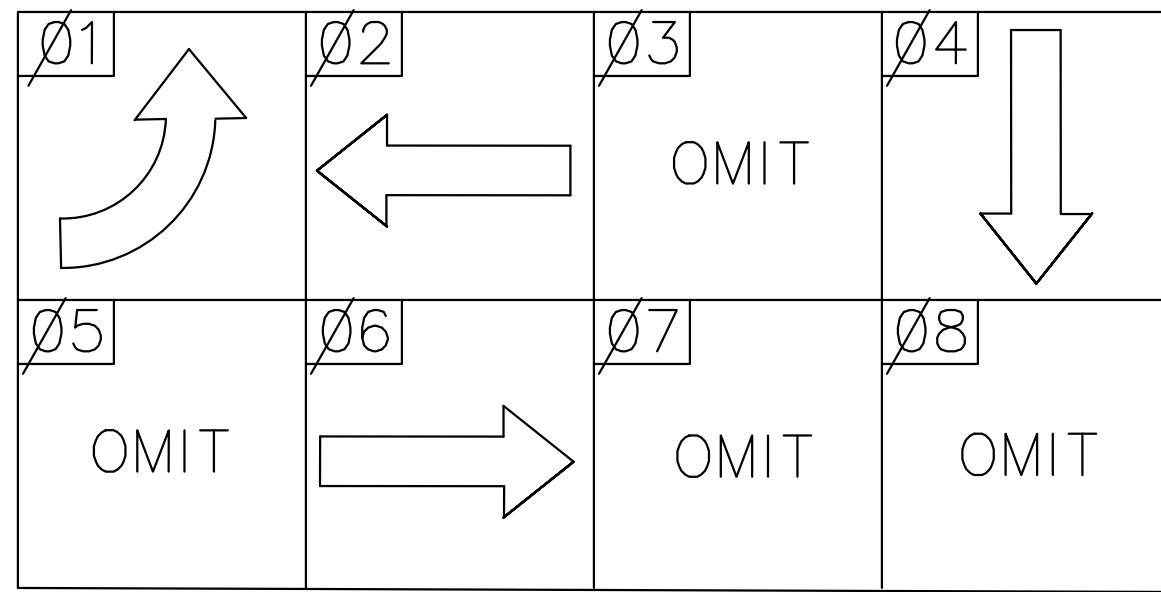
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION CONTROL MEASURES TO ENSURE COMPLIANCE TO ALL STATE AND FEDERAL LAWS AND GUIDANCE. THE COST SHALL BE CONSIDERED INCIDENTAL AND BE INCLUDED IN THE OVERALL BID PRICE. NO ADDITIONAL PAYMENTS SHALL BE MADE TO THE CONTRACTOR FOR EROSION CONTROL.
21. ALL EXISTING STRIPING IN CONFLICT WITH PROPOSED STRIPING SHALL BE REMOVED, EVEN IF NOT CALLED OUT ON THE PLANS.
22. CONTRACTOR SHALL COORDINATE WITH THE COUNTY FOR ACTIVATION AND ACCOUNT SETUP FOR WIRELESS COMMUNICATIONS.
23. A NEW 7-CONDUCTOR SIGNAL CABLE SHALL BE RUN TO ALL NEW FYA SIGNAL HEADS. AT NO TIME SHALL THE SIGNAL CABLE RUN TO A FYA SIGNAL HEAD BE RUN/JUMPED TO ANY OTHER PHASE SIGNAL HEADS.
24. CONTRACTOR TO BE RESPONSIBLE FOR TRAFFIC CONTROL COMPLIANCE WITH MUTCD DURING CONSTRUCTION. CONTRACTOR TO CONFIRM HOURS OF ALLOWABLE CONSTRUCTION ACTIVITY WITH PROPERTY OWNER (QUALITY TECHNOLOGY SERVICES) PRIOR TO COMMENCING CONSTRUCTION ACTIVITY IN AREA. CONTRACTOR TO COORDINATE AND COMPLY WITH COUNTY PREFERENCES RELATED TO ADVANCE NOTICE PRIOR TO TRAFFIC PATTERNS CHANGING.
25. SIGNAL TIMING AND DATABASE DEVELOPMENT WILL BE COMPLETED BY OTHERS (NOT INCLUDED IN CURRENT BID).



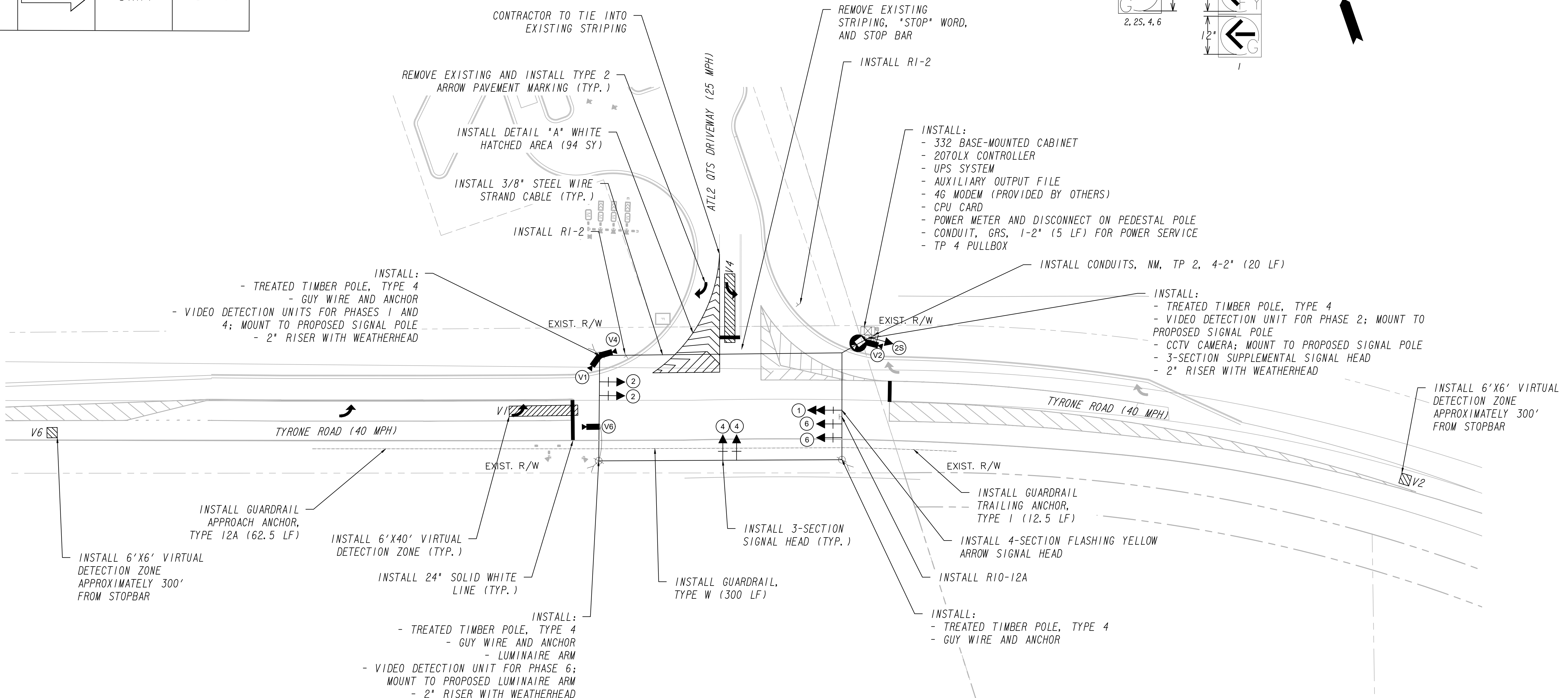
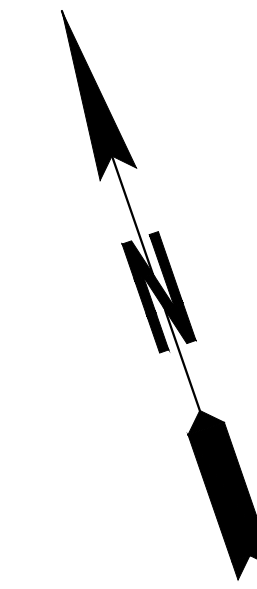
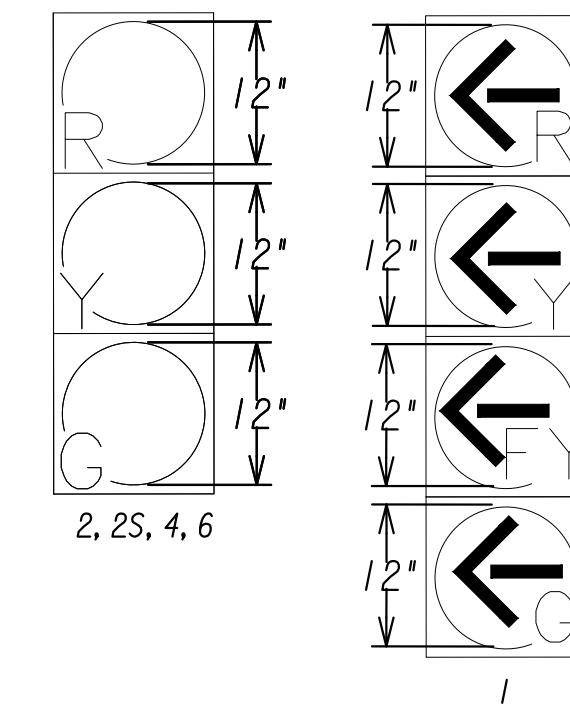
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 PREPARED BY <b>Kimley-Horn</b> © 2020 KIMLEY-HORN AND ASSOCIATES, INC. 1200 PEACHTREE STREET, SUITE 600 ATLANTA, GA 30309 PHONE (404) 524-8700 WWW.KIMLEY-HORN.COM	PROJECT <b>ATL2 AT TYRONE RD                  SIGNAL PERMIT</b> ATL2 DRIVEWAY AND TYRONE ROAD FAYETTE COUNTY, GA
PREPARED FOR <b>QUALITY TECHNOLOGY                  SERVICES</b> 1435 HIGHWAY 64 W, FAYETTEVILLE, GA 30214	No.   ISSUANCE AND REVISION DESCRIPTIONS   DATE   BY
01/09/2025	
GS/CC NO. (LEVEL II) -	
DRAWN BY DBK	
DESIGNED BY DBK	
REVIEWED BY WLG	
DATE 01/09/2025	
PROJECT NO. 014828023	
TITLE SIGNAL NOTES & LEGEND TYRONE ROAD AT ATL2 GTS DRIVEWAY FAYETTE COUNTY	
SHEET NUMBER 27-0000	

PHASING DIAGRAM



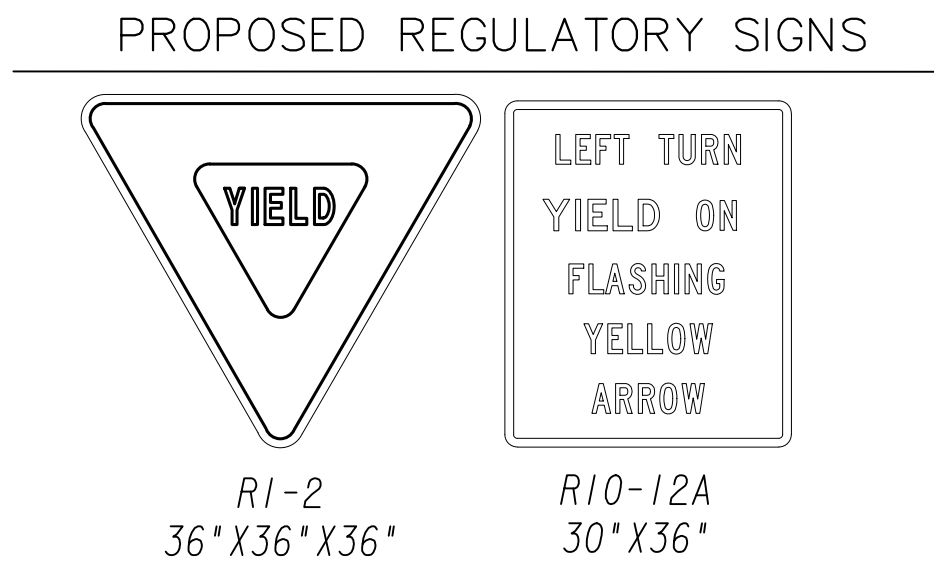
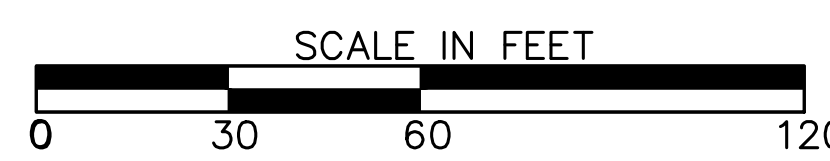
LED INCANDESCENT LOOK SIGNAL HEADS  
WITH TP 1X RETROREFLECTIVE TAPE ON  
BACKPLATES



- NOTES:
- CONTRACTOR TO COORDINATE WITH FAYETTE COUNTY FOR TRAFFIC SIGNAL TIMING.
  - CONTRACTOR TO FIELD—VERIFY EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
  - CONTRACTOR TO CONNECT TO EXISTING POWER POLE APPROXIMATELY LOCATED IN NORTHEAST CORNER OF INTERSECTION.

SIGNAL LEGEND	
	PROPOSED 3-SEC SIGNAL HEAD
	PROPOSED 4-SEC SIGNAL HEAD
	PROPOSED 5-SEC (CLUSTER)/T-SHAPED SIGNAL HEAD
	EXISTING 3-SEC SIGNAL HEAD
	RELOCATED 3-SEC SIGNAL HEAD
	PEDESTRIAN SIGNAL HEAD

DETECTION LEGEND	
	PROPOSED VIRTUAL DETECTION ZONE
	PROPOSED INDUCTIVE LOOP
	PROPOSED VIDEO DETECTION CAMERA
	PROPOSED MAGNETOMETER
	PROPOSED RADAR



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PREPARED FOR  
**QUALITY TECHNOLOGY SERVICES**  
1435 HIGHWAY 54 W, FAYETTEVILLE, GA 30214

NO.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

PROJECT  
**ATL2 AT TYRONE RD SIGNAL PERMIT**  
ATL2 DRIVEWAY AND TYRONE ROAD  
FAYETTE COUNTY, GA

REGISTERED PROFESSIONAL ENGINEER  
No. PE051834  
DANIELLE KRONOWSKI

01/09/2025

GSWCC NO. (LEVEL II)  
DRAWN BY DBK  
DESIGNED BY DBK  
REVIEWED BY WLG  
DATE 01/09/2025  
PROJECT NO. 014828023  
TITLE SIGNAL PLANS  
TYRONE ROAD AT ATL2 QTS DRIVEWAY  
FAYETTE COUNTY  
SHEET NUMBER  
**27-0001**

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Drawing name: \\amtfp01\se\_amt\ALP\_P\PRJ014828023\_P\Project\Excavation\CAD\Plansheets\ATL2-Tyrone-SignalDesign\ATL2-Tyrone-S6000.dwg 27-0002 Jan 09, 2025 10:45am by: danielle.kronowski

332 CABINET INPUT FILES ASSIGNMENT															
UPPER INPUT FILE (I)	SLOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	TYPE	IVDS	IVDS				IVDS				TBA	TBA	DC	DC	DC
	CARD	2-CHAN	2-CHAN				2-CHAN							DC ISO	DC ISO
CHANEL 1	C1 PIN	56	39	63	47	58	41	65	49	60		80	67	68	81
	FUNCTION	Ph 1	Ph 2	Ph 2	Ph 2	Ph 3	Ph 4	Ph 4	Ph 4	Ph 1		INT ADV	Ph 2 PED	Ph 6 PED	FLASH
	FIELD TERM	TB2 1,2	TB2 5,6	TB2 9,10	TB4 1,2	TB4 5,6	TB4 9,10	TB6 1,2	TB6 5,6	TB6 9,10			TB8 4,6	TB8 7,9	N/C
	DET. NUMBER	1	3	5	7	9	11	13	15	17					
	LN. ASSIGN.	V1	V2				V4								
	C1 PIN	56	43	76	47	58	45	78	49	62		53	69	70	82
	FUNCTION	Ph 1	Ph 2	Ph 2	Ph 2	Ph 3	Ph 4	Ph 4	Ph 4	Ph 3		MCE	Ph 4 PED	Ph 8 PED	STOP TIME
	FIELD TERM	TB2 3,4	TB2 7,8	TB2 11,12	TB4 3,4	TB4 7,8	TB4 11,12	TB6 3,4	TB6 7,8	TB6 11,12		NC	TB8 5,6	TB8 8,9	N/C
	DET. NUMBER	1	4	6	7	9	12	14	15	18					
	LN. ASSIGN.														
LOWER INPUT FILE (J)	SLOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	TYPE		IVDS								TBA	TBA	DC	DC	DC
	CARD		2-CHAN										TBA	TBA	DC ISO
	C1 PIN	55	40	64	48	57	42	66	50	59		54	71	72	51
	FUNCTION	Ph 5	Ph 6	Ph 6	Ph 6	Ph 7	Ph 8	Ph 8	Ph 8	Ph 5			EVA	EVB	R/R
	FIELD TERM	TB3 1,2	TB3 5,6	TB3 9,10	TB5 1,2	TB5 5,6	TB5 9,10	TB7 1,2	TB7 5,6	TB7 9,10			TB9 4,6	TB9 7,9	TB9 10,12
	DET. NUMBER	19	21	23	25	29	31	33	35	37					
	LN. ASSIGN.		V6												
	C1 PIN	55	44	77	48	57	46	79	50	61		75	73	74	52
	FUNCTION	Ph 5	Ph 6	Ph 6	Ph 6	Ph 7	Ph 8	Ph 8	Ph 8	Ph 7			EVC	EVD	
FIELD TERM	TB3 3,4	TB3 7,8	TB3 11,12	TB5 3,4	TB5 7,8	TB5 11,12	TB7 3,4	TB7 7,8	TB7 11,12			TB9 5,6	TB9 8,9	TB9 11,12	
DET. NUMBER	19	22	24	25	29	32	34	35	38						
LN. ASSIGN.															

LIST OF MATERIALS FOR TRAFFIC SIGNAL INSTALLATION - NO. 1  
 LOCATION: TYRONE ROAD AT ATL2 QTS DRIVEWAY  
 FAYETTE COUNTY  
 QUANTITIES ARE FOR INFORMATION ONLY  
 CONTRACTOR SHOULD FIELD VERIFY PRIOR TO ORDERING MATERIALS

LIST OF MATERIALS	UNIT	QUANTITY
CONTROLLER CABINET ASSEMBLY, MODEL 332 (EIGHT PHASE)	EA	1
A. CONTROLLER UNIT, MODEL 2070LX	EA	1
B. SWITCH PACK	EA	5
C. DC ISOLATOR	EA	3
D. LOOP/VIDEO DETECTOR CARD, 2-CHANNEL	EA	4
E. 2018 CONFLICT MONITOR, KCLIP (EXTENDED FEATURE, ETHERNET CAPABLE)	EA	1
CPU CARD	EA	1
AUXILIARY OUTPUT FILE (TO BE COMPATIBLE WITH CABINET MANUFACTURER)	EA	1
SURGE PROTECTOR, PC642-200 (OR EQUIVALENT)	EA	1
IN-CABINET UNINTERRUPTIBLE POWER SUPPLY (ETHERNET CAPABLE)	EA	1
PRE-FABRICATED BASE FOR 332 CABINET	EA	1
POWER METER AND DISCONNECT UNIT FOR ELECTRICAL SERVICE (INCLUDES 5' PEDESTAL POST, COMPLETE WITH BASE)	EA	1
SIGNAL CABLE, 7 CONDUCTOR, 14 AWG; PER 1000 FT	REEL	1
3-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", POLY (STANDARD CONFIGURATION - RED, YELLOW, GREEN)	EA	7
4-SECTION, ONE-WAY, 12" EXPANDED VIEW SIGNAL HEAD, LED "INCANDESCENT LOOK", POLY (RED LEFT-TURN ARROW, YELLOW LEFT-TURN ARROW, FLASHING YELLOW LEFT-TURN ARROW, GREEN LEFT-TURN ARROW)	EA	1
BACKPLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, LOUVERED, BLACK	EA	7
BACKPLATE FOR ONE-WAY, 4-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, LOUVERED, BLACK	EA	1
HARDWARE FOR SPANWIRE MOUNTING	EA	7
HARDWARE FOR STRAIN POLE / PEDESTAL POLE MOUNTING	EA	1
STEEL WIRE STRAND CABLE, 3/8 IN	LF	425
PULLBOX, TP 4	EA	1
CONDUIT, NONMETAL, TP 2, 2"	LF	20
GRS CONDUIT FOR POWER	LS	1
R10-12A(L), LEFT TURN ON FLASHING YELLOW ARROW SIGN	EA	1
MISC MATL TO COMPLETE INSTALLATION	LS	1

NO.	LIST OF PAY ITEMS	UNIT	QUANTITY
150-1000	TRAFFIC CONTROL	LS	1
151-1000	MOBILIZATION	LS	1
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	SF	8
639-1430	TREATED TIMBER POLE, TYPE 4, 30 FT	EA	4
636-2070	GALV STEEL POST, TP 7	LF	20
639-1600	GUY AND ANCHOR ASSEMBLY	EA	4
641-1200	GUARDRAIL, TP W	LF	300
641-5001	GUARDRAIL ANCHORAGE, TP 1	EA	1
641-5012	GUARDRAIL ANCHORAGE, TP 12	EA	1
641-5015	GUARDRAIL TERMINAL, TP 12A - ENERGY ABSORBING	EA	1
647-1000	TRAFFIC SIGNAL INSTALLATION	LS	1
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	4
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	47.5
653-6004	THERMOPLASTIC TRAF STRIPING, WHITE (DETAIL "A" HATCHED AREA)	SY	94
656-4001	REMOVE EXIST TRAF MARKINGS, THERMOPLASTIC	SY	31
681-5112	LUMINAIRE BRACKET ARM, 10 FT ARM	EA	1
682-6120	CONDUIT, RIGID, 2 IN	LF	90
936-1010	CCTV SYSTEM, TYPE H (INCLUDING 300' CAT-6 CABLE)	EA	1
937-6040	VIDEO DETECTION SYSTEM	LS	1
938-1100	INTERSECTION VIDEO DETECTION SYSTEM ASSEMBLY, TYPE A	EA	4



QUALITY TECHNOLOGY SERVICES  
 1435 HIGHWAY 54 W, FAYETTEVILLE, GA 30214

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ATL2 AT TYRONE RD  
 SIGNAL PERMIT  
 ATL2 DRIVEWAY AND TYRONE ROAD  
 FAYETTE COUNTY, GA



01/09/2025

GSWCC NO. (LEVEL II)	-
DRAWN BY	DBK
DESIGNED BY	DBK
REVIEWED BY	WLG
DATE	01/09/2025
PROJECT NO.	014828023
TITLE	SIGNAL QUANTITIES TYRONE ROAD AT ATL2 QTS DRIVEWAY FAYETTE COUNTY
SHEET NUMBER	27-0002