ABBREVIATIONS

AB	ANCHOR BOLTS	GS	GRAVITY SEWER	PROP	PROPOSED
@	AT	GUY	GUY WIRE	PRV	PRESSURE REDUCING VALVE
ALUM	ALUMINUM	GV	GATE VALVE	PSI	POUNDS PER SQUARE INCH
APPROX	APPROXIMATE			PV	PLUG VALVE
AVE	AVENUE	HGT	HEIGHT	PVC	POLYVINYL CHLORIDE
		HORIZ	HORIZONTAL		
BFV	BUTTERFLY VALVE	HWY	HIGHWAY	RAD	RADIUS
BLDG	BUILDING	HP	HIGH PRESSURE	RCP	REINFORCED CONCRETE PIPE
BLK	BLOCK			RED	REDUCER
BM	BENCHMARK	ID	INSIDE DIAMETER	REINF	REINFORCING
BOT	BOTTOM	IF	INSIDE FACE	REQ'D	REQUIRED
BS	BOTH SIDES	INFL	INFLUENT	RJ	RESTRAINED JOINT
		INV	INVERT	ROW	RIGHT-OF-WAY
CB	CATCH BASIN			RR	RAILROAD
CCP	CONCRETE CULVERT PIPE	JT	JOINT	RT	RIGHT
CI	CAST IRON				
CISP	CAST IRON SEWER PIPE	LF	LINEAR FEET	S	SOUTH
℄	CENTER LINE	LIN	LINEAL, LINEAR	SCH	SCHEDULE
CM	CONCRETE MONUMENT	LG	LONG	SECT	SECTION
CMF	CONCRETE MONUMENT FOUND	LJ DIP	LOCK-JOINT DUCTILE IRON PIPE	SHT	SHEET
CMP	CORRUGATED METAL PIPE	L.M.	LINEAR METER	SL	SURVEY LINE
CO	CLEANOUT	LP	LIGHT POLE	SPECS	SPECIFICATIONS
CONC	CONCRETE	LS	LUMP SUM	SQ	SQUARE
CONN	CONNECTION	LT	LEFT	SQ M	SQUARE METERS
CONT	CONTINUOUS			SS	SANITARY SEWER
CY	CUBIC YARD	M	METER	ST	STREET
CV	CHECK VALVE	mm	MILLIMETER	STA	STATION
		MAX	MAXIMUM	STD	STANDARD
DB	DEED BOOK	MC	MOTOR CONTROL	STRUCT STL	STRUCTURAL STEEL
DEG	DEGREE	MGD	MILLION GALLONS PER DAY	ST STL	STAINLESS STEEL
DIA	DIAMETER	MH	MANHOLE	SWD	SIDE WATER DEPTH
DI	DUCTILE IRON	MIN	MINIMUM		
DIP	DUCTILE IRON PIPE	MISC	MISCELLANEOUS	T&B	TOP AND BOTTOM
		MJ	MECHANICAL JOINT	TBM	TEMPORARY BENCHMARK
E	EAST			THK	THICKNESS
EA	EACH	N	NORTH	TOC	TOP OF CURB
E.F.	EACH FACE	NG	NATURAL GAS	TP	TELEPHONE POLE
EL/ELEV	ELEVATION	NIC	NOT IN CONTRACT	T/S	TOP OF SLAB
EW	EFFLUENT WATER	NO.,*	NUMBER	T/W	TOP OF WALL
E.W.	EACH WAY	NOM	NOMINAL	TYP	TYPICAL
EXIST	EXISTING	NORM	NORMAL		
		NPW	NON-POTABLE WATER		
FCA	FLANGED COUPLING ADAPTER	NTS	NOT TO SCALE	UGCTV	UNDERGROUND CABLE TELEVISION
FH	FIRE HYDRANT			UGP	UNDERGROUND POWER
FIN FL	FINISHED FLOOR ELEVATION	O.C.	ON CENTER	UGT	UNDERGROUND TELEPHONE
FIN GR	FINISHED GRADE ELEVATION	OD	OUTSIDE DIAMETER		
℄	FLOW LINE	OF	OUTSIDE FACE	V	VALVE
FLG	FLANGED	OHCTV	OVERHEAD CABLE TELEVISION	VCP	VITRIFIED CLAY PIPE
FM	FORCE MAIN	OHP	OVERHEAD POWER	VERT	VERTICAL
FOT	FIBER OPTIC TELEPHONE	OHT	OVERHEAD TELEPHONE		
				W	WATER
FT	FOOT	PE	PLAIN END	W/	WITH
		PEJ	PIPE EXPANSION JOINT	W/O	WITHOUT
GADOT	GEORGIA DEPARTMENT OF TRANSPORTATION	PG	PAGE	WL	WATER LINE
		PI	POINT OF INTERSECTION	WS	WATERSTOP
GALV	GALVANIZED	P	PROPERTY LINE	WT	WALL THICKNESS
GL	GAS LINE	PL	PLACES	WTM	WATER TRANSMISSION MAIN
GPM	GALLONS PER MINUTE	PO	PUSH ON	WV	WATER VALVE
GR	GRADE	PP	POWER POLE	WWF	WELDED WIRE FABRIC
		PRESS	PRESSURE		
				YH	YARD HYDRANT

UTILITIES

EXISTING / PROPOSED

- LIGHT POLE
- POWER POLE
- TELEPHONE POLE
- SERVICE
- FIRE HYDRANT
- REDUCER/INCREASER
- GATE VALVE
- CLEANOUT
- CATCH BASIN
- GUY WIRE
- WATER METER
- AIR RELEASE VALVE
- GAS METER
- POWER MANHOLE
- SEWER MANHOLE
- TELEPHONE MANHOLE
- BURIED CABLE MARKER
- UNDERGROUND TELEPHONE MARKER
- UNDERGROUND GAS MARKER
- TELEPHONE PEDESTAL
- NON-CONNECTING PIPING
- JUNCTION BOX LETTER DENOTES UTILITY (P-POWER, T-TELEPHONE, C-CABLE, F-FIBER OPTIC)
- FIBER OPTIC LINE
- CABLE TELEVISION LINE
- UNDERGROUND TELEPHONE LINE
- TELEPHONE LINE
- UNDERGROUND POWER LINE
- POWER LINE
- GAS LINE
- WATER LINE
- EXISTING GRAVITY SEWER
- PROPOSED GRAVITY SEWER
- EXISTING FORCE MAIN
- PROPOSED FORCE MAIN
- EXISTING PIPE
- PROPOSED PIPE

SURVEYING SYMBOLS

EXISTING / PROPOSED

- IRON PIN FOUND, SET
- CONC. MONUMENT FOUND, SET
- R.O.W. MONUMENT
- CALCULATED POINT
- LAND HOOK
- TEMPORARY BENCHMARK
- PERMANANT EASEMENT
- PROP. OR TEMP. EASEMENT
- PROPERTY LINE
- LIMITS (TOWN OR CITY)
- SECTION LINE
- SURVEY BASE LINE

TOPOGRAPHICAL SYMBOLS

- SIGN
- BILLBOARD
- MAILBOX
- WIRE FENCE
- CHAIN LINK FENCE
- WOOD FENCE
- GUARD RAIL
- RAILROAD TRACKS
- TREE LINE
- DRAINAGE DITCH
- IMPROVED ROAD
- UNIMPROVED ROAD
- CREEK
- LAKE OR POND
- MARSH
- BEAVER DAM
- HEDGEROW
- TREE

SITE WORK SYMBOLS

- X 700.00 — EXIST. GRADE ELEVATION
- ⊗ 700.00 — PROP. GRADE ELEVATION
- 699 — EXIST. 1 OR 2 FT. CONTOURS
- 700 — EXIST. 10 FT. CONTOURS
- 699 — PROP. 1 OR 2 FT. CONTOURS
- 700 — PROP. 10 FT. CONTOURS

COLOR CODES FOR UTILITY LOCATING

RED	ELECTRIC
YELLOW	GAS-OIL
ORANGE	TELEPHONE/CATV
BLUE	WATER
GREEN	SEWER

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GENERAL NOTES

1. EFFORTS HAVE BEEN MADE TO INDICATE LOCATIONS OF EXISTING STRUCTURES, PIPING AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXACT SIZES AND LOCATIONS OF ALL EXISTING UTILITIES BEFORE INITIATING ANY CONSTRUCTION OPERATIONS. ANY EXISTING STRUCTURE, PIPING OR UTILITY DISTURBED OR DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION OPERATIONS SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER AND/OR THE ENGINEER.
2. THE LIMITS OF CONSTRUCTION SHALL BE THE PROPERTY LINES OR EASEMENT LINES AS SHOWN ON THE PLANS. ANY ADDITIONAL EASEMENTS REQUIRED FOR CONSTRUCTION SHALL BE ACQUIRED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER AND /OR ENGINEER.
3. DIMENSIONS OF EXISTING STRUCTURES AND/OR SIZE RESTRICTIONS ARE APPROXIMATE. ALL NECESSARY DIMENSIONS AND ELEVATIONS OF EXISTING STRUCTURES & TOPOGRAPHY SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO CONSTRUCTION OPERATIONS.
4. ALL WALL PENETRATIONS FOR PIPING SHALL CONFORM TO THE STANDARD DETAILS AS REQUIRED BY THE CONTRACT DRAWINGS & SPECIFICATIONS UNLESS OTHERWISE NOTED.
5. ALL BURIED PIPES SHALL HAVE A MINIMUM OF 3'-0" COVER AS MEASURED VERTICALLY FROM FINISHED GRADE TO THE TOP OF PIPE UNLESS OTHERWISE NOTED.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO WORK ALL APPLICABLE DRAWINGS AND THE APPROPRATE SPECIFICATIONS AS A UNIT. ANY OMISSIONS, DELETIONS, OR CONFLICTS ARISING AS A RESULT OF FAILURE TO INCORPORATE ALL DRAWINGS AND SPECIFICATIONS WHICH APPLY SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER AND/OR ENGINEER.
7. CONTRACTOR SHALL MAINTAIN A 15' MINIMUM EXCAVATION CLEARANCE AT ALL TRANSMISSION LINE TOWER SUPPORTS AND DOWN GUY ANCHORS.

INDEX TO SHEETS

SHEET	DESCRIPTION
CIVIL DRAWINGS	
C-0	COVER
C-00	INDEX
C-1	EXISTING SITE PLAN
C-2	PROPOSED SITE PLAN/UTILITY PLAN
C-3	GRADING PLAN
C-4	EROSION CONTROL PLAN - PHASE ONE
C-5	EROSION CONTROL PLAN - PHASE TWO
C-6	LANDSCAPE PLAN
C-7	LANDSCAPE NOTES & DETAILS
C-8	STANDARD DETAILS - STREET AND PARKING
C-9	STANDARD DETAILS - WATER
C-10	STANDARD DETAILS - SANITARY SEWER
C-11	STANDARD SPECIFICATIONS - SHEET ONE
C-12	STANDARD SPECIFICATIONS - SHEET TWO
C-13	STANDARD SPECIFICATIONS - SHEET THREE
C-14	STANDARD DETAILS - EROSION & SEDIMENT CONTROL
C-15	COMPREHENSIVE MONITORING PLAN

ENGINEER'S STAMP

GEORGIA REGISTERED No. 15300 PROFESSIONAL JAMES STOTHARD

SIGNATURE REQUIRED

SMITH DESIGN GROUP, INC.
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LAGRANGE, GA 30241
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REVISIONS

⚠	DATE	DESCRIPTION

PROJECT:

VERNON ROAD FIRE STATION
VERNON ROAD
LAGRANGE, GEORGIA

TITLE:

INDEX SHEET

MODIFIED DATE:

ISSUED DATE:
FOR BID AND PERMIT
20 APRIL 2018

JOB NO: 1731

SHEET: C-00

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