

GENERAL NOTES:

- THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ROANOKE SPECIFICATIONS. THESE PLANS, VDOT ROAD AND BRIDGE SPECIFICATIONS DATED 2007, VDOT ROAD AND BRIDGE STANDARDS DATED 2008, AND THE VIRGINIA WORK AREA PROJECTION MANUAL DATED AUGUST 2011. THE CONTRACTOR SHALL NOTIFY THE CITY'S PROJECT MANAGER 24 HOURS BEFORE COMMENCING CONSTRUCTION.
- THE PLAN SET IS INCOMPLETE UNLESS ACCOMPANIED BY THE CITY OF ROANOKE PROJECT MANUAL. LIKEWISE, THE PROJECT MANUAL IS INCOMPLETE UNLESS ACCOMPANIED BY THE PLANS.
- UTILITY RELOCATIONS, ADJUSTMENTS, AND COORDINATION WITH UTILITY OWNERS IS REQUIRED. SEE PROJECT MANUAL (GENERAL CONDITIONS, SECTION 18.3) MEASUREMENT AND PAYMENT AND PLANS.
- ALL LOCATIONS FOR FOUNDATIONS, STORM STRUCTURES, AND PROPOSED UTILITY AND STORM ALIGNMENTS ARE APPROXIMATE, AND SHALL BE POTHOLED BY THE CONTRACTOR PRIOR TO INSTALLATION. FINAL ADJUSTMENTS TO LOCATIONS SHALL BE INCLUDED IN THE UNIT PRICE FOR EACH ITEM.
- ALL PAVEMENT MARKINGS AND TRAFFIC FLOW ARROWS SHOWN ON THE ROADWAY CONSTRUCTION PLANS ARE SCHEMATIC ONLY. THE ACTUAL LOCATION AND APPLICATION OF PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH SECTION 704 OF VDOT ROAD AND BRIDGE SPECIFICATIONS, MUTCD 2009 EDITION, OR AS DIRECTED BY THE CITY OF ROANOKE.
- THE TEMPORARY EROSION AND SILTATION CONTROL MEASURES SHOWN ON THE PLANS ARE INTENDED TO PROVIDE A GENERAL PLAN FOR CONTROLLING EROSION AND SILTATION WITHIN THE PROJECT LIMITS. THE CONTRACTOR, IN CONJUNCTION WITH THE CITY'S PROJECT MANAGER, SHALL ADJUST THE LOCATION, QUANTITY AND TYPE OF EROSION AND SILTATION CONTROLS REQUIRED BASED ON THE CONTRACTORS SEQUENCE OF CONSTRUCTION AND ACTUAL FIELD CONDITIONS AND SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR EROSION AND SEDIMENT CONTROL MEASURES. SEE SHEET ES-1 FOR GENERAL EROSION AND SEDIMENT CONTROL NOTES.
- ALL PERIMETER EROSION AND SILTATION CONTROLS SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING UNDERGROUND UTILITY LOCATING SERVICE AT HIS EXPENSE, BEFORE ANY CONSTRUCTION IS BEGUN, OR MATERIALS ORDERED.
- CONSTRUCTION SURVEYING IS TO BE INCLUDED IN CONSTRUCTION STAKEOUT.
- CONTRACTOR SHALL RE-SET ALL SPEED LIMIT SIGNS, TRAFFIC WARNING SIGNALS, MAIL BOXES, NEWSPAPER BOXES, AND ANY OTHER INCIDENTAL ITEMS AS REQUIRED. COST SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR SIGN RELOCATION.
- CONTRACTOR SHALL TOPSOIL, MULCH AND SEED ALL DISTURBED AREAS NOT PAVED IN ACCORDANCE WITH THE SPECIFICATIONS.
- CONTRACTOR SHALL SAWCUT ALL EXISTING PAVEMENT ABUTTING NEW CONSTRUCTION.
- FINAL SURFACE PAVEMENT SM-12.50 WITH NO TACK COAT SHALL BE PERFORMED AS THE LAST STAGE OF PAVING. ALL SURFACE PAVING SHALL BE PLACED AT THIS TIME.
- ACCESS TO PRIVATE ENTRANCES AND TINKER CREEK LANE SHALL BE MAINTAINED AT ALL TIMES.
- ALL GRADING AND PAVING SHALL BE PERFORMED IN SUCH A MANNER AS TO ELIMINATE FALSE GUTTERS AND/OR PONDED WATER.
- TEMPORARY CONSTRUCTION ENTRANCE SHALL BE ACCORDING TO THE VA. EROSION AND SEDIMENT CONTROL HANDBOOK, STD. AND SPEC. 3.02.
- THE CONTRACTOR SHALL CONTACT THE WWA PRIOR TO PERFORMING ANY GRADING OPERATION OVER WWA UTILITIES. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY EXISTING SANITARY SEWER OR WATER UTILITY DAMAGED OR MISALIGNED DURING OR DUE TO THE WORK. ALL OTHER UTILITIES, INCLUDING BUT NOT LIMITED TO GAS, STORM SEWER, OVERHEAD UTILITIES, ETC., WHICH ARE DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED BY THE RESPECTIVE UTILITY COMPANY(S) AT THE EXPENSE OF THE CONTRACTOR.
- THE COST OF REMOVAL OF ALL EXISTING ITEMS LOCATED IN THE AREA TO BE GRADED, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING, SHALL BE INCLUDED IN THE PRICE BID FOR EARTHWORK: SIDEWALK, CURB AND GUTTER, SMALL FOOTINGS, BLOCK AND MASONRY ITEMS, DRAINAGE STRUCTURES, CULVERTS, PIPES, RIPRAP, FENCES AND GATES.
- SEE VDOT STD. CG-2 FOR CONCRETE CURB.
- SEE VDOT STD. CG-6 FOR CONCRETE CURB AND GUTTER.

CITY OF ROANOKE CONSTRUCTION NOTES

NOTICE: ALL LANDOWNERS, DEVELOPERS AND CONTRACTORS

FAILURE TO COMPLY WITH THE CONSTRUCTION PROCEDURE REQUIREMENTS LISTED BELOW MAY RESULT IN THE COSTLY REMOVAL OF STRUCTURES, TIME DELAYS OR THE ISSUANCE OF A STOP WORK ORDER.

CONSTRUCTION PROCEDURE REQUIREMENTS

- RIGHT-OF-WAY EXCAVATION PERMIT** - PRIOR TO THE COMMENCEMENT OF ANY DIGGING, ALTERATION OR CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY (STREETS, ALLEYS, PUBLIC EASEMENTS), A RIGHT-OF-WAY EXCAVATION PERMIT SHALL BE APPLIED FOR AND OBTAINED BY THE CONTRACTOR FROM THE CITY OF ROANOKE.
- LAND DISTURBANCE PERMIT** - AN APPROVED EROSION AND SEDIMENT CONTROL PLAN FOR ANY BORROW/FILL SITES ASSOCIATED WITH THE PROJECT MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A LAND DISTURBANCE PERMIT.
- PLANS AND PERMITS** - A COPY OF THE PLANS AS APPROVED BY THE CITY (SIGNED BY THE PROPER CITY OFFICIALS) AND ALL PERMITS ISSUED BY THE CITY SHALL BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES OF ONGOING CONSTRUCTION.
- LOCATION OF UTILITIES** - THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.
- CONSTRUCTION ENTRANCE** - THE CONTRACTOR SHALL INSTALL AN ADEQUATE CONSTRUCTION ENTRANCE FOR ALL CONSTRUCTION RELATED EGRESS FROM THE SITE. SIZE AND COMPOSITION OF CONSTRUCTION ENTRANCE SHALL BE AS SHOWN ON THE PLANS.
- STREETS TO REMAIN CLEAN** - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT THE PUBLIC STREET ADJACENT TO THE CONSTRUCTION ENTRANCE REMAINS FREE OF MUD, DIRT, DUST, AND/OR ANY TYPE OF CONSTRUCTION MATERIALS OR LITTER AT ALL TIMES.
- BARRICADES/DITCHES** - THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL EXCAVATED DITCHES AND SHALL FURNISH AND ENSURE THAT ALL BARRICADES PROPER AND NECESSARY FOR THE SAFETY OF THE PUBLIC ARE IN PLACE.
- SEWER AND PAVEMENT REPLACEMENT** - CONSTRUCTION OF SANITARY SEWERS AND THE REPLACEMENT OF PAVEMENT SHALL BE IN ACCORDANCE WITH APPROVED STANDARDS AND SPECIFICATIONS OF THE CITY OF ROANOKE AND THE WESTERN VIRGINIA WATER AUTHORITY.
- APPROVED PLANS/CONSTRUCTION CHANGES** - ANY CHANGE OR VARIATION FROM CONSTRUCTION DESIGN AS SHOWN ON THE OFFICIALLY APPROVED PLANS SHALL BE APPROVED BY THE EROSION AND SEDIMENT CONTROL AGENT PRIOR TO SAID CHANGES OR VARIATION IN CONSTRUCTION BEING MADE.
- FINAL ACCEPTANCE/CITY** - THE OWNER OR DEVELOPER SHALL FURNISH THE CITY OF ROANOKE'S PLANNING BUILDING AND DEVELOPMENT DEPARTMENT WITH A FIELD SURVEYED FINAL CORRECT SET OF AS-BUILT PLANS OF THE NEWLY CONSTRUCTED STORM DRAIN AND/OR STORMWATER MANAGEMENT FACILITIES PRIOR TO FINAL ACCEPTANCE AND ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE CITY. AS-BUILT PLANS SHALL BE PROVIDED IN THE STATE PLANE VIRGINIA SOUTH COORDINATE SYSTEM, NAD 1983, FIPS 4502 FEET, US SURVEY FEET, DATUM NA 83, IN THE FORM OF 1 PAPER COPY AND 1 DIGITAL AUTOCAD FILE.

BASELINE COORDINATES

STA 10+00.00	N3637900.8804	E11068210.9897
STA 10+19.68	N3637913.8054	E11068225.8248
STA 10+65.42	N3637943.8548	E11068260.3149
STA 11+96.09	N3638029.6898	E11068358.8346
PC 12+06.09	N3638036.2589	E11068366.3744
PRC 14+91.47	N3638291.8650	E11068467.8882
PT 16+61.82	N3638460.5653	E11068480.8408
STA 17+50.00	N3638546.0511	E11068502.2718

STA 11+76.45	N3638085.4544	E11068411.5269
PC 12+01.94	N3638078.4099	E11068432.1154
PT 12+53.33	N3638030.3591	E11068463.2308
STA 13+69.58	N3637925.7128	E11068514.6180

STA 10+00.00	N3638155.7876	E11068261.3250
PC 10+50.00	N3638120.1824	E11068296.4281
PRC 11+04.76	N3638107.5593	E11068346.9389
PT 11+51.45	N3638100.2030	E11068391.3434
STA 11+76.45	N3638085.4544	E11068411.5269

STA 10+00.00	N3637900.8804	E11068210.9897
PC 10+23.18	N3637885.6562	E11068193.5158
PT 11+05.04	N3637887.7061	E11068119.0306
STA 12+72.33	N3638004.3682	E11067999.1344

PC 10+00.00	N3637587.2499	E11068356.8614
PT 11+97.98	N3637774.7156	E11068294.6759
PC 12+97.40	N3637864.6822	E11068252.3699
PT 14+73.70	N3638007.8470	E11068151.0557
STA 15+41.00	N3638055.1153	E11068103.1440

BRIDGE BENCHMARK: CHISLED "□" ON N. W. CORNER OF N. E. ABUTMENT WALL
N3638064.6095
E11068306.3635
ELEV: 959.36'

ABBREVIATIONS:

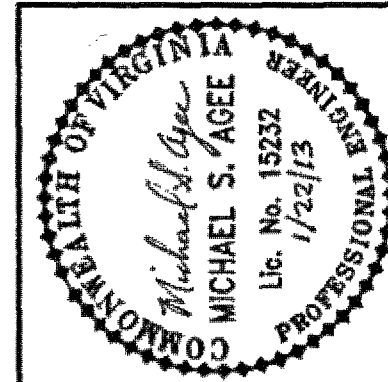
A	AMBER	F	FILL	PROP	PROPOSED
○	AT	FT	FOOT	PVI	POINT OF VERTICAL INTERSECTION
AGGR	AGGREGATE	G	GREEN	R	RADIUS, RED
&	AND	GND	GROUND	RCP	REINFORCED CONCRETE PIPE
APCO	APPALACHIAN POWER COMPANY	H, HT	HEIGHT	RELOC.	RELOCATE
AEP	AMERICAN ELECTRIC POWER	HORIZ	HORIZONTAL	REV	REVISION
APPROX.	APPROXIMATE	HGL	HYDRAULIC GRADE LINE	RD	ROAD
■	BASE LINE	ID	IDENTIFICATION	RT	RIGHT
BEG	BEGIN OR BEGINNING	INFO	INFORMATION	R/W	RIGHT OF WAY
BFS	BEGIN FULL SUPER	IN	INCH	S	SOUTH
BM	BENCH MARK	INV	INVERT	SAN	SANITARY
BNC	BEGIN NORMAL CROWN	IP	IRON PIN	SBL	SOUTHBOUND LANE
BVC	BEGIN VERTICAL CURVE	IRF	IRON ROD FOUND	SED	SEDIMENT
☺	CENTER LINE	LC	LEVEL CROWN	SH	SHEET, SHOULDER
C	CUT, CONDUCTOR	L	LENGTH	SIG	SIGNAL
CG-2	CONCRETE CURB	LF	LINEAR FEET	SPA	SPACE
CG-6	CONCRETE CURB AND GUTTER	LS	LUMP SUM	SPEC	SPECIFICATION
CO	CLEAN OUT	M.O.T.	MAINTENANCE OF TRAFFIC	ST	STREET
COAX	COAXIAL	LN	LANE	STA	STATION
CONC	CONCRETE	LT	LEFT	STD	STANDARD
CONST	CONSTRUCTION	M&C	MATTEEN & CRAIG	STR	STRUCTURE
CMP	CORRUGATED METAL PIPE	MAT'L	MATERIAL	SY	SQUARE YARD
CONTR	CONTRACTOR	MAN	MANUAL	SYMM	SYMMETRICAL
CL	CLASS, CLEARANCE	MAX	MAXIMUM	T	TANGENT
C&P	CHESAPEAKE AND POTOMAC (VERIZON)	MH	MANHOLE	TDC	TURNDOWN CURB
CY	CUBIC YARD	MIN	MINIMUM	TEMP	TEMPORARY
D, Δ	DEGREE OF CURVE	MON	MONUMENT	TW	TOP WIDTH
DET	DETAIL	MUTCD	MANUAL UNIFORM TRAFFIC CONTROL DEVICES	TN	TON
DI	DROP INLET, DUCTILE IRON	N/A	NOT APPLICABLE	TY	TYPE
DIA	DIAMETER	NAVD88	NORTH AMERICAN VERTICAL DATUM OF 1988	TYP	TYPICAL
E	EAST	N.E.	NORTH EAST	UG	UNDERGROUND
EA	EACH	MTD	MOUNTED	USGS	UNITED STATES GEOLOGICAL SURVEY
EASE.	EASEMENT	MTG	MOUNTING	VA	VIRGINIA
E.B.L.	EASTBOUND LANE	MTN	MOUNTAIN	VDOT	VIRGINIA DEPARTMENT OF TRANSPORTATION
EFS	END FULL SUPER	NF	NEAR FACE	VPC	VERTICAL POINT OF CURVATURE
EF	EACH FACE	N	NORTH	VPI	VERTICAL POINT OF INTERSECTION
EJ	EXPANSION JOINT	NBL	NORTHBOUND LANE	VPT	VERTICAL POINT OF TANGENCY
ELEV	ELEVATION	NO	NUMBER	WBL	WEST BOUND LANE
ENGR	ENGINEER	#	NUMBER	W	WATER, WIDTH, WEST
ENTR	ENTRANCE	NTS	NOT TO SCALE	W/	WITH
E&SC	EROSION AND SEDIMENT CONTROL	OPER	OPERATOR	WL	WATER LINE
EOA	END OF AREA	PB	PUSH BUTTON	WWA	WESTERN VIRGINIA WATER AUTHORITY
EP	EDGE OF PAVEMENT	LB	POUNDS	WWF	WELDED WIRE FABRIC
EVC	END VERTICAL CURVE	PC	POINT OF CURVE		
EW	EACH WAY, ENDWALL	PH	PEDESTRIAN SIGNAL HEAD		
EXCAV	EXCAVATION	PI	POINT OF INTERSECTION		
EXIST	EXISTING	PRC	POINT OF REVERSE CURVE		
FF	FAR FACE	PT	POINT OF TANGENT		

EXISTING LINE STYLES AND SYMBOLS:

IPF	IRON PIN FOUND	---	UNDERGROUND EXISTING STORM DRAIN PIPE
PIPE FD.	PIPE FOUND	---	GUARDRAIL
MB	MAILBOX	---	UNDERGROUND GAS MAIN OR SERVICE LINE
FUEL TANK	FUEL TANK	---	UNDERGROUND WATER MAIN OR SERVICE LINE
POWER POLE	POWER POLE	---	OVERHEAD ELECTRICAL LINE
GUY WIRE	GUY WIRE	---	UNDERGROUND ELECTRIC
GUY POLE	GUY POLE	---	UNDERGROUND SANITARY SEWER
TELEPHONE POLE	TELEPHONE POLE	---	OVERHEAD ELECTRIC & TELEPHONE
TELEPHONE PEDISTAL	TELEPHONE PEDISTAL	---	OVERHEAD TELEPHONE
GAS VALVE	GAS VALVE	---	UNDERGROUND TELEPHONE
SEWER MANHOLE	SEWER MANHOLE	---	BRUSH AND SCATTERED TREES
CLEAN OUT	CLEAN OUT	---	EDGE OF PAVEMENT
WATER MANHOLE	WATER MANHOLE	---	RIGHT OF WAY
WATER VALVE	WATER VALVE	---	EXIST. CURB
WATER METER	WATER METER	---	SURVEY TANGENT LINE
TRAFFIC MANHOLE	TRAFFIC MANHOLE	---	SURVEY BASELINE
TRAFFIC POLE	TRAFFIC POLE	---	WOVEN WIRE FENCE
TRAFFIC CONTROL CABINET	TRAFFIC CONTROL CABINET	---	EDGE OF WATER
SHRUB	SHRUB	---	WETLAND LIMITS
TREE	TREE	---	100 YEAR FLOODPLAIN
FIRE HYDRANT	FIRE HYDRANT	---	

PROPOSED LINE STYLES AND SYMBOLS:

---	PROP. STORM DRAIN PIPE
---	GUARDRAIL, VDOT STD. GR-2
---	DITCH EC-2
---	CUT LIMITS
---	FILL LIMITS
TEMP. CONST. EASEMENT	EASEMENT LINE
DRAINAGE EASEMENT	EASEMENT LINE
JOINT USE UTILITY EASE.	EASEMENT LINE
---	EARTH VEE DITCH
---	MINOR CONTOURS PROP.
955	MAJOR CONTOURS PROP.
---	EDGE OF PAVEMENT
PROP. R/W	RIGHT OF WAY
---	CURB, VDOT STD. CG-2
---	TANGENT LINE
---	CONST. BASELINE
Δ	POINT OF INTERSECTION
UT	UNDERGROUND TELEPHONE
E/T	OVERHEAD POWER
T	OVERHEAD TELEPHONE
2" G	2 INCH GAS LINE



Date	
Revisions	
Issue Date:	1/22/13
Drawn By:	WCB
Designed By:	THL
Checked By:	WMSA
Date:	1/22/13

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ROUTE 605 (OLD MOUNTAIN ROAD) BRIDGE REPLACEMENT

GENERAL NOTES

CITY OF ROANOKE, VIRGINIA

Vertical Scale:
N/A

Horizontal Scale:
N/A

Commission Number:
3154A

Sheet No.:

G-2