QUANTITY A					•	GENERAL NOTES
ITEM	QUANTITY	UNIT	UNIT PRICE	COST	BONDABLE	PROVIDE NEW MATERIALS AND WORKMANSHIP IN CONFORMANG
VOAVATION	<u> </u>			•		CODES, STATE AND FEDERAL LAWS, LOCAL ORDINANCES, INDU
XCAVATION						OTHER CRITERIA WHICH WOULD NORMALLY APPLY TO WORK (THE ENGINEER IMMEDIATELY UPON DISCOVERING A CONFLICT
		<u> </u>			ı	STANDARDS, OR OTHER CRITERIA. APPLICABLE CODES AND S
URB INLET DI-7, W/ GRATE A, TYPE III						ARE NOT NECESSARILY LIMITED TO, THE FOLLOWING: a. BOCA — BASIC CODES
urb inlet di-1 series						b. ROANOKE CITY
URB INLET DI-3 SERIES (TOP ONLY)	1	EACH	\$1,000.00		\$1,000.00	c. VDOT — VIRGINIA DEPARTMENT OF TRANSPORTATION, ROAD AND BRIDGE STANDARDS AND SPECIFIC
ANHOLE MH-2 SERIES				<u>.</u>	ı	d. VIRGINIA EROSION AND SEDIMENT CONTROL REGULATI
ANTIOLE MIT—2 SERIES	-					e. OSHA — OCCUPATIONAL SAFETY AND HEALTH ADMINIS f. ASTM — AMERICAN SOCIETY FOR TESTING AND MATER
12 -IN. HDPE	75	L.F.	\$24.00		\$1,800.00	g. WVWA — WESTERN VIRGINIA WATER AUTHORITY
18 -IN. CONCRETE PIPE, CLASS III						
24 -IN. CONCRETE PIPE, CLASS III			ļ			MAINTAIN A SET OF APPROVED PLANS ON SITE AT ALL TIMES
12 -IN. END SECTION ES-1	1	EACH	\$250.00		\$250.00	OBTAIN EACH REQUIRED PERMIT PRIOR TO COMMENCING THA
HEADWALL FOR 12" HDPE	1	EACH	\$250.00		\$250.00	PAY REQUIRED FEES.
TOTAL TOTAL	· · · · · ·	2.1371			,	NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERY OF CO
						FROM THOSE SHOWN ON THE PLANS.
	-					COMPLY WITH LOCAL ORDINANCES FOR BURNING OF WASTE.
						MATERIALS AND UNSUITABLE MATERIALS FROM OWNER'S PROF
AVEMENT	415	S.Y.	\$ 12.00	<u> </u>	\$4,980.00	COORDINATE BUILDING DIMENSIONS WITH ARCHITECTURAL PLAI
JRB & GUTTER CG-6	825	L.F.	\$12.00		\$9,900.00	
RAFFIC CONTROL						A PRECONSTRUCTION MEETING MUST TAKE PLACE PRIOR TO
					1	MINIMUM, THE CONTRACTOR, OWNER'S AGENT AND CITY'S AGE
DEWALK	820	L.F.	\$16.00		\$ 13,120.00	VERIFY THE LOCATION AND ELEVATION OF EACH EXISTING UN
						AREAS OF CONSTRUCTION PRIOR TO COMMENCEMENT OF WOI IMMEDIATELY IF THERE APPEARS TO BE A CONFLICT, UPON D
						WHICH IS NOT SHOWN, AND UPON DISCOVERY OF A LOCATIO
" WATER LINE						DIFFERS FROM THAT SHOWN. TO LOCATE UTILITIES, CALL "M
" WATER LINE	440	L.F.	\$18,00		\$7,920.00	1-800-552-7001. UTILITY LOCATIONS SHOWN ARE THE RES
IR RELEASE VALVE					_	
IRE HYDRANT ASSEMBLIES	1	EACH	\$1,500.00		\$1,500.00	REPAIR ALL DAMAGE TO ANY UTILITY, PUBLIC OR PRIVATE, CA CONSTRUCTION ACTIVITIES, AT NO ADDITIONAL COST TO OWNE
LOW OFFS W/VAULT, FRAME & COVER						
8 -IN. GATE VALVES, W/VAULT, FRAME & COVER -IN. GATE VALVES, W/VAULT, FRAME & COVER					r	NOTIFY OWNERS OF UTILITIES IN AREAS OF CONSTRUCTION P
SINGLE WATER METER SETTERS	2	EACH	\$250.00		\$500.00	OF EXCAVATION.
OUBLE WATER METER SETTERS	5	EACH	\$350.00		\$1,750.00	SIGNAGE SHALL COMPLY WITH THE APPLICABLE REGULATIONS
						SEPARATE PERMIT IS REQUIRED.
	<u> </u>					ANY SITE DEVELOPMENT OUTSIDE OF THE SCOPE OF THIS PL
					-	PLAN REVIEW.
S SANITARY SEWER	660	L.F.	\$20.00		\$13,200.00	
" RESIDENTIAL LATERALS	12	EACH	\$500.00		\$6,000.00	WESTERN VIRGINIA WATER AUTH
TANDARD MANHOLE W/FRAME & COVER	3	EACH	\$1,500.00		\$4,500.00	AVAILABILITY NO. 07–143
						AVAILABILITY NO. 07-143
· · · · · · · · · · · · · · · · · · ·			<u>. </u>	<u> </u>		GENERAL NOTES:
					13	A PRE—CONSTRUCTION MEETING SHALL BE SCHEDULED WITH WATER AUTHORITY TO BE HELD AT LEAST ONE (1) DAY PRICE.
						OF THE APPROVED WATER AND SANITARY SEWER FACILITIES.
· · · · · · · · · · · · · · · · · · ·						A MINIMUM COVED OF TUBER (3) FEET IS BEGUIDED OVED D
	ļ					A MINIMUM COVER OF THREE (3) FEET IS REQUIRED OVER P
A market	 				,	ALL SANITARY SEWER AND WATER CONNECTIONS TO EXISTING
	-					COORDINATED WITH AND PERFORMED BY THE WESTERN VIRGI
	<u> </u>					CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND U
	·					
	TO BE BOND	ED SEPARATELY	FOR \$14,150			VAULTS, MANHOLES, ETC. AFTER PAVING AND ADJUSTING TO
	TO BE BOND	ED SEPARATELY	FOR \$14,150			VAULTS, MANHOLES, ETC. AFTER PAVING AND ADJUSTING TO NECESSARY.
ROSION AND SEDIMENT CONTROL MEASURES	TO BE BOND	ED SEPARATELY EACH	FOR \$14,150 \$50.00		\$1,000.00	VAULTS, MANHOLES, ETC. AFTER PAVING AND ADJUSTING TO NECESSARY. ALL EXISTING UTILITIES MAY NOT BE SHOWN OR MAY NOT B
ROSION AND SEDIMENT CONTROL MEASURES					\$1,000.00	VAULTS, MANHOLES, ETC. AFTER PAVING AND ADJUSTING TO NECESSARY. ALL EXISTING UTILITIES MAY NOT BE SHOWN OR MAY NOT B
ROSION AND SEDIMENT CONTROL MEASURES						VAULTS, MANHOLES, ETC. AFTER PAVING AND ADJUSTING TO NECESSARY. ALL EXISTING UTILITIES MAY NOT BE SHOWN OR MAY NOT B LOCATION. THE CONTRACTOR SHALL COMPLY WITH THE STA REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS.
ROSION AND SEDIMENT CONTROL MEASURES					\$1,000.00	VAULTS, MANHOLES, ETC. AFTER PAVING AND ADJUSTING TO NECESSARY. ALL EXISTING UTILITIES MAY NOT BE SHOWN OR MAY NOT BE LOCATION. THE CONTRACTOR SHALL COMPLY WITH THE STA REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS. ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHT—OF—
ROSION AND SEDIMENT CONTROL MEASURES ANDSCAPING (STREET TREES)	20	EACH	\$50.00			VAULTS, MANHOLES, ETC. AFTER PAVING AND ADJUSTING TO NECESSARY. ALL EXISTING UTILITIES MAY NOT BE SHOWN OR MAY NOT B LOCATION. THE CONTRACTOR SHALL COMPLY WITH THE STA REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS. ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHT—OF—COMPACTED ACCORDING TO VIRGINIA DEPARTMENT OF TRANS
ROSION AND SEDIMENT CONTROL MEASURES ANDSCAPING (STREET TREES)						VAULTS, MANHOLES, ETC. AFTER PAVING AND ADJUSTING TO NECESSARY. ALL EXISTING UTILITIES MAY NOT BE SHOWN OR MAY NOT B LOCATION. THE CONTRACTOR SHALL COMPLY WITH THE STA REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS. ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHT—OF—
ROSION AND SEDIMENT CONTROL MEASURES ANDSCAPING (STREET TREES) S-BUILT PLANS	20	EACH	\$50.00			VAULTS, MANHOLES, ETC. AFTER PAVING AND ADJUSTING TO NECESSARY. ALL EXISTING UTILITIES MAY NOT BE SHOWN OR MAY NOT B LOCATION. THE CONTRACTOR SHALL COMPLY WITH THE STA REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS. ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHT—OF—COMPACTED ACCORDING TO VIRGINIA DEPARTMENT OF TRANSLINES SHALL BE STAKED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REFER TO THE WESTERN VIRGINIA WATER
ROSION AND SEDIMENT CONTROL MEASURES ANDSCAPING (STREET TREES) S-BUILT PLANS	20	EACH LUMP SUM	\$50.00 \$1,500.00		\$1,500.00	VAULTS, MANHOLES, ETC. AFTER PAVING AND ADJUSTING TO NECESSARY. ALL EXISTING UTILITIES MAY NOT BE SHOWN OR MAY NOT B LOCATION. THE CONTRACTOR SHALL COMPLY WITH THE STA REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS. ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHT—OF—COMPACTED ACCORDING TO VIRGINIA DEPARTMENT OF TRANSLINES SHALL BE STAKED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REFER TO THE WESTERN VIRGINIA WATER AND SEWER REGULATIONS FOR CONSTRUCTION DETAIL
ROSION AND SEDIMENT CONTROL MEASURES ANDSCAPING (STREET TREES) S-BUILT PLANS	20	EACH LUMP SUM	\$50.00 \$1,500.00		\$1,500.00	VAULTS, MANHOLES, ETC. AFTER PAVING AND ADJUSTING TO NECESSARY. ALL EXISTING UTILITIES MAY NOT BE SHOWN OR MAY NOT B LOCATION. THE CONTRACTOR SHALL COMPLY WITH THE STA REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS. ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHT—OF—COMPACTED ACCORDING TO VIRGINIA DEPARTMENT OF TRANSLINES SHALL BE STAKED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REFER TO THE WESTERN VIRGINIA WATE WATER AND SEWER REGULATIONS FOR CONSTRUCTION DETAIL
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ROSION AND SEDIMENT CONTROL MEASURES ANDSCAPING (STREET TREES) S-BUILT PLANS	20	EACH LUMP SUM	\$50.00 \$1,500.00 \$2,500.00	SIIPTOTAL	\$1,500.00 \$2,500.00	VAULTS, MANHOLES, ETC. AFTER PAVING AND ADJUSTING TO NECESSARY. ALL EXISTING UTILITIES MAY NOT BE SHOWN OR MAY NOT BE LOCATION. THE CONTRACTOR SHALL COMPLY WITH THE STA REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS. ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHT—OF—COMPACTED ACCORDING TO VIRGINIA DEPARTMENT OF TRANSLINES SHALL BE STAKED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REFER TO THE WESTERN VIRGINIA WATE WATER AND SEWER REGULATIONS FOR CONSTRUCTION DETAIL METHODS AS REQUIRED TO COMPLETE THE PROPOSED UTILIT INDICATED BY THESE DRAWINGS. FIELD CORRECTIONS SHALL BE APPROVED BY THE WVWA ENGLISHED.
EROSION AND SEDIMENT CONTROL MEASURES ANDSCAPING (STREET TREES) AS-BUILT PLANS STORMWATER MANAGEMENT	20	EACH LUMP SUM	\$50.00 \$1,500.00 \$2,500.00	SUB-TOTAL (APPROX.)	\$1,500.00 \$2,500.00 \$71,670.00	VAULTS, MANHOLES, ETC. AFTER PAVING AND ADJUSTING TO NECESSARY. ALL EXISTING UTILITIES MAY NOT BE SHOWN OR MAY NOT BE LOCATION. THE CONTRACTOR SHALL COMPLY WITH THE STA REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS. ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHT—OF—COMPACTED ACCORDING TO VIRGINIA DEPARTMENT OF TRANSLINES SHALL BE STAKED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REFER TO THE WESTERN VIRGINIA WATE WATER AND SEWER REGULATIONS FOR CONSTRUCTION DETAIL METHODS AS REQUIRED TO COMPLETE THE PROPOSED UTILIT INDICATED BY THESE DRAWINGS. FIELD CORRECTIONS SHALL BE APPROVED BY THE WVWA ENGROWED SUCH CONSTRUCTION.
ROSION AND SEDIMENT CONTROL MEASURES ANDSCAPING (STREET TREES) S-BUILT PLANS	20	EACH LUMP SUM	\$50.00 \$1,500.00 \$2,500.00		\$1,500.00 \$2,500.00	VAULTS, MANHOLES, ETC. AFTER PAVING AND ADJUSTING TO NECESSARY. ALL EXISTING UTILITIES MAY NOT BE SHOWN OR MAY NOT B LOCATION. THE CONTRACTOR SHALL COMPLY WITH THE STA REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS. ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHT—OF—COMPACTED ACCORDING TO VIRGINIA DEPARTMENT OF TRANSLINES SHALL BE STAKED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REFER TO THE WESTERN VIRGINIA WATE WATER AND SEWER REGULATIONS FOR CONSTRUCTION DETAIL METHODS AS REQUIRED TO COMPLETE THE PROPOSED UTILIT INDICATED BY THESE DRAWINGS.

\$79,000.00 I HEREBY CERTIFY THAT THE FOREGOING ESTIMATE REFLECTS THE CURRENT IMPROVEMENT COSTS OF THIS PROJECT.

LANDSCAPE NOTES

- 1. ALL LANDSCAPE PLANTINGS SHALL CONFORM TO THE AMERICAN STANDARDS FOR NURSERY STOCK, LATEST EDITION.
- 2. ALL LANDSCAPE PLANTINGS SHALL CONFORM TO STANDARDIZED PLANT NAME AND SHALL BE WELL-FORMED, TRUE TO TYPE AND HAVE WELL-DEVELOPED ROOT SYSTEMS. ALL PLANTINGS SHALL BE SOUND, HEALTHY, AND FREE FROM DEFECTS.
- 3. ALL PLANTING SHALL BE DONE DURING THE PROPER SEASON AND NO PLANTING SHALL BE DONE IN FROZEN SOIL OR DURING UNFAVORABLE WEATHER CONDITIONS.
- 4. ALL TREES ARE TO BE LOCATED WITH RESPECT TO EXISTING OR PROPOSED UTILITIES.
- 5. MULCH ALL PLANTINGS WITH A MINIMUM OF THREE INCHES OF SHREDDED OR CHIPPED MULCH.
- 6. ADJUSTMENTS MAY BE NECESSARY DUE TO PLANT AVAILABILITY.
- 7. DUE TO ON-SITE CONDITIONS, IN-FIELD ADJUSTMENTS MAY BE NECESSARY.
- 8. ALL PLANTING OF TREES, SHRUBS, ETC. SHALL BE DONE IN ACCORDANCE WITH VDOT ROAD AND BRIDGE SPECIFICATIONS, SECTION 605.
- 9. STREET TREES SHALL BE PLANTED IN ACCORDANCE WITH THE STANDARDIZED LANDSCAPE SPECIFICATIONS FOR THE COMMONWEALTH OF VIRGINIA, 2000, JOINTLY ADOPTED BY THE VIRGINIA NURSERYMEN'S ASSOCIATION, THE VIRGINIA SOCIETY OF LANDSCAPE DESIGNERS, AND THE VIRGINA CHAPTER OF THE AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS.

GENERAL NOTES

PROVIDE NEW MATERIALS AND WORKMANSHIP IN CONFORMANCE WITH ALL APPLICABLE CODES. STATE AND FEDERAL LAWS, LOCAL ORDINANCES, INDUSTRY STANDARDS, AND OTHER CRITERIA WHICH WOULD NORMALLY APPLY TO WORK OF THIS NATURE. NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERING A CONFLICT IN CODES. ORDINANCES. STANDARDS, OR OTHER CRITERIA. APPLICABLE CODES AND STANDARDS INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO, THE FOLLOWING:

- ROAD AND BRIDGE STANDARDS AND SPECIFICATIONS VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS AND HANDBOOK
- OSHA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION ASTM - AMERICAN SOCIETY FOR TESTING AND MATERIALS
- WVWA WESTERN VIRGINIA WATER AUTHORITY

MAINTAIN A SET OF APPROVED PLANS ON SITE AT ALL TIMES DURING CONSTRUCTION. OBTAIN EACH REQUIRED PERMIT PRIOR TO COMMENCING THAT PART OF THE WORK.

NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERY OF CONDITIONS WHICH DIFFER FROM THOSE SHOWN ON THE PLANS.

COMPLY WITH LOCAL ORDINANCES FOR BURNING OF WASTE. TRANSPORT WASTE

A PRECONSTRUCTION MEETING MUST TAKE PLACE PRIOR TO COMMENCING WORK. AS A MINIMUM, THE CONTRACTOR, OWNER'S AGENT AND CITY'S AGENT MUST ATTEND.

VERIFY THE LOCATION AND ELEVATION OF EACH EXISTING UNDERGROUND UTILITY IN AREAS OF CONSTRUCTION PRIOR TO COMMENCEMENT OF WORK. CONTACT ENGINEER IMMEDIATELY IF THERE APPEARS TO BE A CONFLICT, UPON DISCOVERY OF A UTILITY WHICH IS NOT SHOWN, AND UPON DISCOVERY OF A LOCATION OR ELEVATION WHICH DIFFERS FROM THAT SHOWN. TO LOCATE UTILITIES, CALL "MISS UTILITY", -800-552-7001. UTILITY LOCATIONS SHOWN ARE THE RESULT OF A COMBINATION OF FIELD LOCATION AND EXISTING INFORMATION. LOCATIONS ARE APPROXIMATE.

REPAIR ALL DAMAGE TO ANY UTILITY. PUBLIC OR PRIVATE. CAUSED AS A RESULT OF CONSTRUCTION ACTIVITIES, AT NO ADDITIONAL COST TO OWNER.

NOTIFY OWNERS OF UTILITIES IN AREAS OF CONSTRUCTION PRIOR TO COMMENCEMENT OF EXCAVATION.

SIGNAGE SHALL COMPLY WITH THE APPLICABLE REGULATIONS OF THE CITY. A SEPARATE PERMIT IS REQUIRED.

ANY SITE DEVELOPMENT OUTSIDE OF THE SCOPE OF THIS PLAN WILL REQUIRE SITE PLAN REVIEW.

WESTERN VIRGINIA WATER AUTHORITY NOTES

A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED WITH THE WESTERN VIRGINIA WATER AUTHORITY TO BE HELD AT LEAST ONE (1) DAY PRIOR TO ANY CONSTRUCTION OF THE APPROVED WATER AND SANITARY SEWER FACILITIES.

A MINIMUM COVER OF THREE (3) FEET IS REQUIRED OVER PROPOSED LINES.

ALL SANITARY SEWER AND WATER CONNECTIONS TO EXISTING LINES SHALL BE COORDINATED WITH AND PERFORMED BY THE WESTERN VIRGINIA WATER AUTHORITY.

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING VALVE VAULTS, MANHOLES, ETC. AFTER PAVING AND ADJUSTING TO FINAL GRADE IF NECESSARY.

ALL EXISTING UTILITIES MAY NOT BE SHOWN OR MAY NOT BE SHOWN IN THE EXACT LOCATION. THE CONTRACTOR SHALL COMPLY WITH THE STATE WATER WORKS REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS.

ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHT-OF-WAYS SHALL BE COMPACTED ACCORDING TO VIRGINIA DEPARTMENT OF TRANSPORTATION'S STANDARDS.

CONTRACTOR SHALL REFER TO THE WESTERN VIRGINIA WATER AUTHORITY STANDARD WATER AND SEWER REGULATIONS FOR CONSTRUCTION DETAILS AND INSTALLATION METHODS AS REQUIRED TO COMPLETE THE PROPOSED UTILITY FACILITIES AS INDICATED BY THESE DRAWINGS.

FIELD CORRECTIONS SHALL BE APPROVED BY THE WVWA ENGINEERING DIVISION PRIOR TO SUCH CONSTRUCTION.

THE CONTRACTOR SHALL PROVIDE THE WESTERN VIRGINIA WATER AUTHORITY WITH CORRECT AS-BUILT PLANS PRIOR TO SUBSTANTIAL COMPLETION OF ANY NEW PUBLIC EXTENSIONS.

WATER MAINS SHALL BE MINIMUM CLASS 350 DUCTILE IRON IN ACCORDANCE TO AWWA C151 OR DR-14 PVC IN ACCORDANCE WITH AWWA C-900.

WATER LATERALS FROM THE METER TO THE BUILDING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE.

THE CONSTRUCTION OF THE PROPOSED PUBLIC WATER MAIN AND ALL RESIDENTIAL SERVICES SHALL BE IN COMPLIANCE WITH THE CURRENT WESTERN VIRGINIA WATER AUTHORITY REGULATIONS. REFER TO THESE REGULATIONS FOR COMPLETE DETAILS AND INSTALLATION METHODS.

HOUSE CONNECTIONS ARE TO BE MADE WITH 4" PIPE INSTALLED AT A MINIMUM GRADE OF 1/4 INCH TO 1 FOOT IN R/W.

LATERALS FROM MANHOLES SHALL BE PVC OR DUCTILE IRON OF SUFFICIENT LENGTH TO PROVIDE TWO (2) FEET OF BEARING ON NATURAL GROUND.

THE LATERALS AND REQUIRED FITTINGS LOCATED WITHIN A PUBLIC RIGHT-OF-WAY OR PUBLIC EASEMENT SHALL BE OF THE SAME TYPE OF MATERIAL AS THE MAINLINE SEWER PIPELINE.

THE CONSTRUCTION OF THE PROPOSED PUBLIC SEWER MAIN AND ALL RESIDENTIAL SERVICES SHALL BE IN COMPLIANCE WITH THE CURRENT WESTERN VIRGINIA WATER AUTHORITY REGULATIONS. REFER TO THESE REGULATIONS FOR COMPLETE DETAILS AND INSTALLATION METHODS.

ALL SANITARY SEWER PIPING SHALL BE PVC (POLYVINYL CHLORIDE) MANUFACTURED IN ACCORDANCE WITH ASTM DESIGNATION 3034-77 (SDR 35) UNLESS OTHERWISE NOTED ON THE PLANS/PROFILES.

ALL MANHOLE FRAMES AND COVERS SHALL BE WATERTIGHT AND ALL COVERS SHALL BE BOLT-DOWN MANHOLE COVERS (SEE DETAIL S-05 AND S-06) WHERE APPLICABLE.

SHEET INDEX

C-1

C-6

SHEET TITLE

> COVER SHEET DIMENSIONAL PLAN

> > WVWA DETAILS

C-2C-3GRADING PLAN C-4ESC PLAN ESC DETAILS C-5

MOUNTAIN BROOK "VINYARD PARK"

ABBREVIATIONS

AHFH	ARROW HEAD TOP OF	MH	MANHOLE
	FIRE HYDRANT	MIN	MINIMUM
APPROX	APPROXIMATE	MON	MONUMENT
ASPH	ASPHALT	NBL	NORTH BOUND LANE
BC	BOTTOM OF CURB	PROP	PROPOSED
BIT	BITUMINOUS	PUE	PUBLIC UTILITY EASEMENT
BLDG	BUILDING	PVMT	PAVEMENT
BLK	BLOCK	R	RADIUS
BM	BENCHMARK	RT	RIGHT
BW	BOTTOM OF WALL	R.O.W.	RIGHT OF WAY
CB	CINDER BLOCK	REQD	REQUIRED
C&G	CURB & GUTTER	RR	RAILROAD
CMP	CORRUGATED METAL PIPE	RYS	REAR YARD SETBACK
CONC	CONCRETE	SAN	SANITARY
COR	CORNER	SBL	SOUTH BOUND LANE
DBL	DOUBLE	SD	STORM DRAIN
DEFL	DEFLECTION	SECT	SECTION
DI	DROP INLET	SE	SLOPE EASEMENT
DIA	DIAMETER	SS	SANITARY SEWER
DE	DRAINAGE EASEMENT	SSE	SANITARY SEWER EASEME
ELEC	ELECTRIC	STA	STATION
ELEV	ELEVATION	STD	STANDARD
ENTR	ENTRANCE	STO	STORAGE
EP	EDGE OF PAVEMENT	SYS	SIDE YARD SETBACK
EW	ENDWALL	TBM	TEMPORARY BENCHMARK
EXIST	EXISTING	TC	TOP OF CURB
EDM	FOUNDATION	TEI	TEL EDMONE

FOUNDATION TEL FINISHED FLOOR TRANS FINISH GRADE TW HOA HOMEOWNERS ASSOCIATION TYP HPT HIGH POINT INVERT VERT INTERSECTION IRON PIN WVWA. MINIMUM BUILDING LINE

TELEPHONE TRANSFORMER TOP OF WALL TYPICAL VIRGINIA DEPARTMENT OF TRANSPORTATION VERTICAL WEST BOUND LANE

EXIST. TREELINE EXIST. EDGE OF : 'VEMENT WETLAND BOUNDARY WESTERN VIRGINIA WATER AUTHORITY ---- RMA---- RESOURCE MANAGEMENT AREA BOUNDARY

ASPHALT PAVING EX. TELEPHONE TYPICAL YARD HYDRANT PAVEMENT REPLACEMENT EX. LIGHT POLE PROP. FIRE HYDRANT F-95000 **GRAVEL** BENCHMARK PROP. SIAMESE CONNECTION **PAVERS** PROP. GATE VALVE WETLAND AREA ------ PROPERTY LINE PROP. TELEPHONE LINE EXIST. OVERHEAU POWER PROP. GAS LINE ---- 8"w ---- EXIST. WATER LINE PROP. UNDERGROUND POWER EXIST. OVERHEAD CABLE PROP. WATERLINE EXIST. CENTERLINE OF ROAD EXIST. STORM SIWER PROP. STORM SEWER LINE ——— 8"s.s.—— EXIST. SANITARY SEWER PROP. CONTOURS

EX. POWER POLE

STANDARD CITY OF ROANOKE 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 ISSUANCE OF A LAND DISTURBANCE PERMIT.

PLANS AND PERMITS: A COPY OF THE PLANS APPROVED BY THE CITY OF ROANOKE (SIGNED BY THE PROPER CITY OFFICIALS) AND ALL PERMITS ISSUED BY THE CITY SHALL BE MADE 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. THE SIZE AND COMPOSITION OF THE CONSTRUCTION ENTRANCE SHALL BE DETERMINED BY THE CITY OF ROANOKE SITE PLAN INSPECTOR.

STREETS TO REMAIN CLEAN: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE 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.

APPROVED PLANS/CONSTRUCTION CHANGES: ANY CHANGE OR VARIATION FROM CONSTRUCTION DESIGN AS SHOWN ON THE OFFICIALLY APPROVED PLANS SHALL BE APPROVED BY THE DEVELOPMENT ENGINEER PRIOR TO SAID CHANGES OR VARIATIONS ON CONSTRUCTION BEING MADE.

FINAL ACCEPTANCE/CITY: THE DEVELOPER OR CONTRACTOR MAY BE REQUIRED TO FURNISH THE CITY OF ROANOKE WITH A SET OF AS-BUILT PLANS PRIOR TO FINAL ACCEPTANCE BY THE CITY.

NOTICE TO ALL LANDOWNERS, DEVELOPERS, AND CONTRACTORS: FAILURE TO COMPLY WITH THE CONSTRUCTION PROCEDURE REQUIREMENTS LISTED ABOVE MAY RESULT IN THE COSTLY REMOVAL OF STRUCTURES, TIME DELAYS, OR THE ISSUANCE OF A STOP WORK ORDER.

ENGINEERS NOTES

PORTIONS OF THE WORK.

---- RPA---- RESOURCE PROTECTION AREA BOUNDARY

VICINITY MAP

LEGEND

CONCRETE

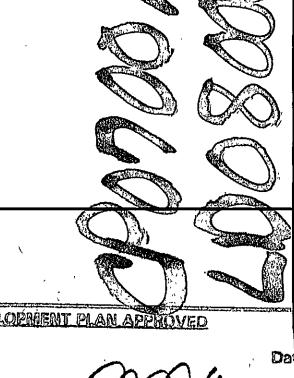
BALZER AND ASSOCIATES, INC. ASSUMES NO RESPONSIBILITY FOR ADEQUACY OF PLANS OR FOR INFORMATION ON PLANS UNTIL SUCH PLANS HAVE BEEN APPROVED BY THE REQUIRED PUBLIC AGENCIES.

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SOURCE OF TOPOGRAPHIC MAPPING IS CITY OF ROANOKE AERIAL MAPPING, DATED APRIL, 1996 AND SUPPLEMENTED BY FIELD SURVEYS PROVIDED BY BAIZER AND ASSOCIATES, INC.

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REGISTERED LAND DISTURBER



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EXIST. INDEX CONTOURS

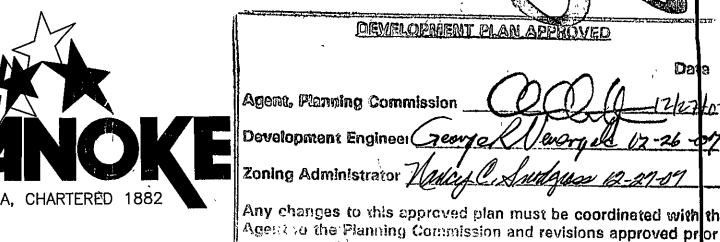
PROP. TOP & BOTTOM OF CURB

EXIST. SPOT ELEVATION

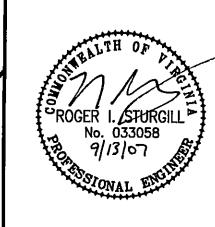
×*348.55*

TC=351.95

BC=351.45



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REVISIONS: 05/04/2007 06/26/2007 08/02/2007

09/1/3/2007 AS - BUILT 7/14/2008

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