₩ E

00

20/2/	PER CITY COMMENTS	ALS S
DATE	DESCRIPTION	BY
ABBI 8	ABBREVIATIONS, LEGEND, & GENERAL NOTES	Ď.

AA	ž	
A Property of the second	HARD WHITE	C C
O NC	0200	21 21
esianed i	3v	CHW

AUG 24, 2005

BAN BUT	ABANDON, ABANDONED ABUTMENT	MECH MFR	MECHANICAL MANUFACTURER	EXISTING	NEW	DESCRIPTION
DJ	ADJACENT AGGREGATE	MH MIN	MANHOLE MINIMUM		(****	BUILDING WITH PORCH OR STOOP
GGR NC	ANCHOR	MJ	MECHANICAL JOINT MONUMENT			
PPROX &B	APPROXIMATE BALLED & BURLAPPED	MON MTL	METAL	b		FOUNDATION ONLY
I <b>T</b> .1	BITUMINOUS BELL JOINT	N & C NIC	NAIL AND CAP NOT IN CONTRACT	35	35	CONTOUR, CONTOUR WITH ELEVATION
L -	BASE LINE	NO NPW	NUMBER NON POTABLE WATER	200 E OF PICOSE	200 E OR X 1025	SPOT ELEVATION
LDG	BEGIN, BEGINNING BUILDING	NTS	NOT TO SCALE			CONCRETE CURB
M Sp	BENCH MARK BLACK STEEL PIPE	OC OD	ON CENTERS OUTSIDE DIAMETER			CONCRETE CURB & GUTTER
V VCE	BUTTERFLY VALVE BEGIN VERTICAL CURVE ELEVATION	PVMT PC	PAVEMENT POINT OF CURVE			CONCRETE WALK OR SLAB
VCS	BEGIN VERTICAL CURVE STATION CURB AND GUTTER	PCC PER	POINT OF COMPOUND CURVE PERIMETER			PAVEMENT
& G AL.	CALIPER	PERF	PERFORATED			UNPAVED OR GRAVEL ROAD
l L	CAST IRON CENTER LINE	PERP Pi	PERPENDICULAR POINT OF INTERSECTION			
ONST MP	CONSTRUCTION CORRUGATED METAL PIPE	PL POL	PLATE, PROPERTY LINE POINT ON LINE			CONSTRUCTION EASEMENT
MU ND	CONCRETE MASONRY UNITS CONDUIT	PT POT	POINT OF TANGENCY POINT ON TANGENT	الله منه منه منه شه		PERMANENT EASEMENT
0	CLEANOUT	PP	POWER POLE	$\sim\sim\sim$	$\sim\sim$	TREE LINE
ONC	COMBINATION CONCRETE (PORTLAND CEMENT)	PRC PSI	POINT OF REVERSE CURVE POUNDS PER SQUARE INCH	⊕ • ₩	🕒 × 🗞	TREE OR SHRUB
ONN ONTR	CONNECT, CONNECTION CONTRACTOR	PT PVC	POINT OF TANGENT POLYVINYL CHLORIDE	x x -	x x -	FENCE (EXISTING OR PROPOSED NOTED)
ONV OR	CONVEYOR CORNER	PVI PUE	POINT OF VERTICAL INTERSECTION PUBLIC UTILITY EASEMENT		~~	CENTERLINE CREEK, SWALE, DITCH
R STONE	CRUSHED STONE CENTER	R	RADIUS, RISER RAILROAD			PROPERTY LINE
ULV	CULVERT	RCP	REINFORCED CONCRETE PIPE			CENTERLINE OR BASELINE
) E	DEPTH OR DEGREE OF CURVE DRAINAGE EASEMENT	RD RDCR	ROAD REDUCER			GENTENGIAE ON BURGETAE
) HA	DROP INLET, DUCTILE IRON DIAMETER	reinf Ref	REINFORCE, REINFORCEMENT REFERENCE	$\triangle$	A	FIELD SURVEY TRAVERSE POINT
HSC	DIMENSION DISCONNECT	REL REQD	RELOCATED REQUIRED	0	0	P.C. OR P.T.
MH	DROP MANHOLE DOWN	REV	REVISION ROUTE	$\oplus$	•	GEOLOGIC BORE HOLE
TL	DETAIL.	RTE RT	RIGHT	<del>0</del>	<b>•</b>	BENCH MARK (EXISTING OR SET NOTED)
W, D/W WL	DRIVEWAY DWELLING	R/W SS	RIGHT OF WAY SANITARY SEWER	Ψ	· ·	•
WG A	DRAWNG EACH	SAN S/W	SANITARY SIDEWALK	50	SD	STORM DRAIN AND ENDWALL
.B.L. L. ELEV	EASTBOUND LANE ELEVATION	SD SE	STORM DRAIN SLOPE EASEMENT	\$\$	SS	SANITARY SEWER
LEC	ELECTRICAL	SECT	SECTION	— - M— —	FM	FORCE MAIN
NGR NTR	ENGINEER ENTRANCE	SER SH	SERVICE SHEET	G	G	GAS MAIN OR SERVICE LINE
OL P	END OF LINE EDGE OF PAVEMENT	SPEC SPECS	SPECIFICATION SPECIFICATIONS	<b>W</b>	—— w ——	WATER MAIN OR SERVICE LINE
Q QPT	EQUAL EQUIPMENT	SQ SSTL	SQUARE STAINLESS STEEL	0£	OE	OVERHEAD ELECTRICAL LINE
VCE VCS	END VERTICAL CURVE ELEVATION END VERTICAL CURVE STATION	STR	STREET	01	<del></del> 01	OVERHEAD TELEPHONE LINE
:W	EACH WAY, ENDWALL	STA STD	STATION STANDARD	E	UE	UNDERGROUND ELECTRICAL LINE
XIST ES	EXISTING FLARED END SECTION	STL STRUCT	STEEL STRUCTURAL		UT	UNDERGROUND TELEPHONE LINE
F FE	FINISH FLOOR FINISHED FLOOR ELEVATION	SUR T&B	SURVEY TOP AND BOTTOM			
ig L	FIGURE FLOOR	TELE TEMP	TELEPHONE TEMPORARY	A	——————————————————————————————————————	PIPE FITTINGS
LEX LG	FLEXIBLE FLANGE	THK	THICK	<u> </u>		FIRE HYDRANT
न	FOOT	TP TRTD	TELEPHONE POLE TREATED		<del></del>	GATE VALVE
TG UT	FOOTING FUTURE	TV T₩	TELEVISION TOP OF WALL		<b>P</b>	CLEANOUT
SALV	GALLON GALVANIZED	TYP UG	TYPICAL UNDERGROUND			MANHOLE
GAR SND	GARAGE GROUND	UON U.S.C.&G.S	UNLESS OTHERWISE NOTED UNITED STATES COAST AND	<u>~~</u> □		DROP INLET (CURB AND GRATING TYPES)
R SOVT	GRAVEL GOVERNMENT		GEODETIC SURVEY	<b>የ و</b> لِ9	• •	WM - WATER METER
SPM SRTG	GALLONS PER MINUTE GRATING	V. VAL VAR	VALVE, VENT VARIABLE	Į I	i i	DWM - DOUBLE WATER METER
3V	GATE VALVE	VC VERT	VERTICAL CURVE VERTICAL	<u> </u>		TELEPHONE POLE, GUY AND ANCHOR
i&T iORIZ	HUB AND TAC HORIZONTAL	VESCR	VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS	<b>4</b>	<u>_</u>	POWER POLE, GUY AND ANCHOR
iPT IYD	HIGH POINT HYDRANT	VOL VDOT	VOLUME VIRGINIA DEPARTMENT OF TRANSPORTATION		<del></del>	·
D N	INSIDE DIAMETER	V.S.D.	VERTICAL SIGHT DISTANCE	<b>\$</b>	) <del>   </del>	LIGHT POLE
NSUL	INSULATION INVERT	W.B.L.	WESTBOUND LANE WIDE FLANGE, WIDE, WASTE, WATER		<b>T</b>	TELEPHONE PEDESTAL
NV P	IRON PIN (FOUND OR SET NOTED)	W/ WL	WITH WATER LINE	<b>①</b>	• ①	BURIED TELEPHONE VAULT
·	LENGTH, LONG LINEAL FOOT	W/O Ws	WITHOUT WATER SURFACE			PAVED DITCH
.G P	LONG LIGHT POLE	WT WVDH	WATERTIGHT, WEIGHT WEST VIRGINIA DEPARTMENT	======		STORM PIPE (SIZE / TYPE NOTED)
R	LONG RADIUS LEFT	WYDN	OF HIGHWAYS	`	<u> </u>	
MAS	MASONRY	·		, J <del>-</del>		CULVERT WITH FLARED END SECTION
MATL MAX	MATERIAL MAXIMUM	in the state of th		<b>&gt;</b> ≻≺(	>	
MBL MB	MAIL BOX MINIMUM BUILDING LINE	ı		孤_企	PROFILE PLAN	AIR RELEASE VALVE / VAULT ASSEMBLY
				TO A	PROPILE PLAN	BLOW OFF VALVE / VAULT ASSEMBLY
		1		PROFILE PLAN - STEPHENS -	PROFILE PLAN	STEEL ENCASEMENT
•						CONCRETE ENCASEMENT
		I		~======		
					<del>-                -</del>	ABANDON OR REMOVE
					Distriction of the Control of the Co	LIMITS OF CONSTRUCTION

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:

A. IRC 2003 (USE GROUP R5 — TYPE VB)

B. ROANOKE CITY

C. YDOT — VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE STANDARDS AND SPECIFICATIONS

d. VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS AND HANDBOOK,

e. OSHA — OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

f. ASTM — AMERICAN SOCIETY FOR TESTING AND MATERIALS

g. WYWA — 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. PAY REQUIRED FEES.

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

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

THE LOCATION OF EXISTING UTILITIES, INCLUDING UNDERGROUND UTILITIES, IS INDICATED ON THE DRAWINGS IN SO FAR AS THEIR EXISTENCE AND LOCATION WERE KNOWN AT THE TIME OF PREPARATION OF THESE DRAWINGS, HOWEVER, NOTHING IN THESE CONTRACT DOCUMENTS SHALL BE CONSTRUED AS A GUARANTEE THAT SUCH UTILITIES ARE IN THE LOCATION INDICATED OR THAT THEY ACTUALLY EXIST OR THAT OTHER UTILITIES ARE NOT WITHIN THE AREA OF OPERATIONS. THE CONTRACTOR SHALL MAKE ALL THE AREA OF OPERATIONS. THE CONTRACTOR SHALL MAKE ALL NECESSARY INVESTIGATIONS TO DETERMINE THE EXISTENCE AND LOCATIONS OF SUCH UTILITIES. THE CONTRACTOR SHALL PAY FOR ANY DAMAGE TO AND FOR MAINTENANCE AND PROTECTION OF EXISTING UTILITIES AND STRUCTURES.

EXISTING WATER LINE LOCATIONS BOTH HORIZONTAL AND VERTICAL ARE APPROXIMATE. THE LOCATION IS NOT THE RESULT OF A FIELD SURVEY.

THE CONTRACTOR IS DIRECTED TO DIG AND LOCATE ALL UTILITIES IN ADVANCE OF PIPELAYING TO ALLOW FOR ADJUSTMENTS DUE TO CONFLICTS WITH EXISTING UTILITIES. SHOULD A CONFLICT ARISE THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY.

THE CONTRACTOR IS REQUIRED TO NOTIFY "MISS UTILITY" AT 1-800-552-7001 AT LEAST TWO, BUT NOT MORE THAN TEN, WORKING DAYS IN ADVANCE OF CONSTRUCTION.

THE CONTRACTOR IS TO COORDINATE THE CONNECTION OF WATER AND SEWER SERVICE WITH THE WESTERN VIRGINIA WATER AUTHORITY.

PAVEMENT, CURBING, AND EXISTING STORM SEWERS THAT MUST BE REMOVED TO INSTALL WATER OR SEWER, SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.

WESTERN VIRGINIA WATER AUTHORITY AVAILABILITY NO: \_\_\_\_