# VIRGINIA WESTERN COMMUNITY COLLEGE WATER LINE IMPROVEMENTS

as Built

9-4-08

PC# 260-05260-033

ROANOKE

## **VIRGINIA**

"A QUALITY CONTROL/QUALITY ASSURANCE CHECK HAS BEEN MADE ON THIS PROJECT'S DOCUMENTS AND CORRECTIONS HAVE BEEN MADE. THE UNDERSIGNED STATES THAT THESE PLANS AND SPECIFICATIONS SUBMITTED FOR REVIEW ARE COMPLETE AND READY FOR BIDDING."

GNED: 1/16/08

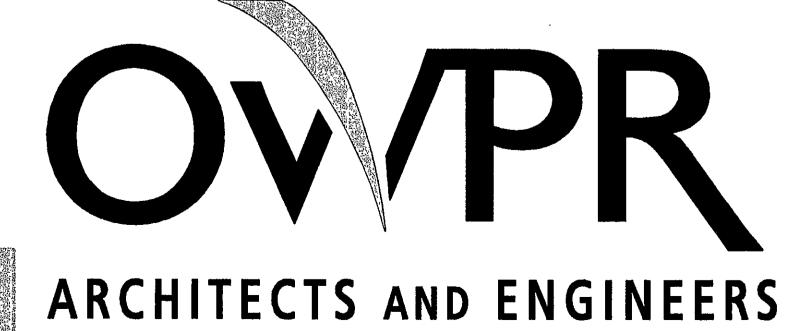
## ABBREVIATIONS

Δ	ACRE	CP	NONREINFORCED CONCRETE PIPE	CP	GRADE	MISC	MISCELLANEOUS	RAD	RADIUS	TW	TOP OF WALL
ADJ	ADJUSTABLE, ADJACENT	ČTR	CENTER	GR GRD	GROUND	MISC	MISCELLANEOUS	RCP	REINFORCED CONCRETE PIPE	TYP	TYPICAL
ALT	ALTERNATE			GW	GROUND WATER	N	NORTH	RD	ROOF DRAIN, ROAD		
APPROX	APPROXIMATE	D	DEPTH, DEEP, DEGREE OF			NEUT	NEUTRAL	RED.	REDUCING	UG	UNDERGROUND
ARCH	ARCHITECTURAL	05140	CURVATURE, DRAIN	н,нст	HEIGHT	NIC	NOT IN CONTRACT	REINF	REINFORCEMENT	UON	UNLESS OTHERWISE NOTED
ASPH AUX	ASPHALT AUXILIARY	DEMO DET	DEMOLITION DETAIL	HB HC	HOSE BIBB HANDICAP, HORIZONTAL CROSS—	NO. NOM	NUMBER NOMINAL	REQD	REQUIRED REVISION	V	VENT, VOLT, VALVE, VINYL
AUA	AONILIAN	DIA	DIAMETER	пС	CONNECT (TELECOMMUNICATIONS)	NTS	NOT TO SCALE	REV RL	RAIN LEADER, REFRIGERANT LIQUID,	У́с	VITRIFIED CLAY
BLDG	BUILDING	DÍM	DIMENSION	HORIZ	HORIZONTAL	1110	1101 10 00/1000		ROOF LADDER	VČP	VITRIFIED CLAY PIPE
BLW	BELOW	DIST	DISTANCE	HP	HORSEPOWER, HIGH POINT	OD	OUTSIDE DIAMETER	RPM	REVOLUTIONS PER MINUTE	VERT	VERTICAL
BM	BEAM, BENCH MARK	DN	DOWN	HR	HOUR	OC .	ON CENTER	RS	REFRIGERANT SUCTION,	VOL	VOLUMN
BOT BRG	BOTTÓM BEARING	DS DWG	DOWNSPOUT	HWL.	HIGH WATER LEVEL	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED		ROOF SCUPPER	144	
BSMT	BASEMENT	DWG	DRAWING	ID	INSIDE DIAMETER	OPNG	OPENING	S	SOUTH	W	WIDTH, WASTE, WATER, WATHT, WEST
BTWN	BETWEEN	E	EAST	iÑ.	INCH	OPP	OPPOSITE	SAN	SANITARY SEWER	W/O	WITHOUT
		ĒA	EACH	INT	INTERIOR	OPT	OPTION	SD	SPLITTER DAMPER, STORM DRAIN	₩Ĺ	WATER LEVEL
© CAP.	CENTERLINE	EL	ELEVATION (FL EL 57.0)	INV	INVERT	OH,OVHD	OVERHEAD	SECT	SECTION	WP	WATERPROOF. WEATHERPROOF
CAP.	CAPACITY	ELEC	ELECTRIC	ILO	IN LIEU OF			SERV	SERVICE	WWF	WELDED WIRE FABRIC
CC	CENTER TO CENTER, COOLING COIL CURB & GUTTER	ELEV EQ	ELEVATION (BLDG ELEVATION)	COI	JUNCTION BOX	PAF	PIPE, PAINT, PAINTED POWER ACTUATED FASTENER	SF SH	SQUARE FEET, SQUARE FOOTAGE	\/D	VADD
CEM	CEMENT	EQUIP	EQUAL EQUIPMENT	JB JCT	JUNCTION	PB PB	PULL BOX, PUSH BUTTON	SiM	SHEET SIMILAR	YD	YARD
CG CEM CHNL	CHANNEL	EW	EACH WAY	· JT	JOINT	РH	PHASE	SL	SLOPE	XFMR	TRANSFORMER
CI	CAST IRON	EXIST	EXISTING			ΡΪ	POINT OF INTERSECTION	SMH	SANITARY MANHOLE	741 1411	TRANSI ORNIER
CIP	CAST IRON PIPE	EXP	EXPANSION, EXPOSED	KV	KILOVOLT	PIV	POST INDICATOR VALVE	SMH SP SPEC	STATIC PRESSURE, SINGLE POLE	2:1	
CJ	CONTROL JOINT,	EXP JT	EXPANSION JOINT	KVA	KILOVOLT-AMPERE	PLUMB	PLUMBING	SPEC	SPECIFICATION	SLOPE	2 HORIZONTAL TO 1 VERTICAL
CI.	CONTRACTION JOINT CLEAR, CLOSET	EXT	EXTERIOR	KW	KILOWATT	PREFAB	PREFABRICATED	SQ	SQUARE		
CL CLG	CEILING	F0	FACE OF CURB	(1)	LEFT	PREFIN PRELIM	PREFINISHED PRELIMINARY	SQ SS SST	SANITARY SEWER STAINLESS STEEL	1 ON 2	
CLG CMP CMPA	CORRUGATED METAL PIPE	FC FDN	FOUNDATION	)	LENGTH, LENGTH OF CURVE	PRESS.	PRESSURE	ST	STREAM, SINGLE THROW,	SLOPE	1 VERTICAL ON 2 HORIZONTAL
CMPA	CORRUGATED METAL PIPE CORRUGATED METAL PIPE ARCH	FFE	FINISHED FLOOR ELEVATION	<u> </u> LBS	POUNDS	PRIM	PRIMARY	0.	STREET, STEAM		
CMU	CONCRETE MASONRY UNITS	FH	FIRE HYDRANT	LOC	LOCATION	PRV	PRESSURE RELIEF VALVE	STA	STATION	1 PH	SINGLE PHASE
CND,C	CONDUIT	FIN.	FINISH	LT	LIGHT	PS_	PULL SWITCH	STD	STANDARD	3 WAY	THREE WAY
CNDS CO	CONDENSATE CLEANOUT/COMPANY	FIX.	FIXTURE	LVG	LEAVING	PSF	POUNDS PER SQUARE FOOT	STOR STR	STORAGE	3/C	THREE CONDUCTOR
СОММ	COMMUNICATION	FL FR	FLOOR, FLASHING FROM	MACH	MACHINE	PSI PT	POUNDS PER SQUARE INCH POINT, POINT OF TANGENT,	SIK	STRUCTURE	3/P	THREE POLE
CONC	CONCRETE	FT	FOOT, FEET, FLOOR TILE	MAS	MASONRY	FI	PRESSURE TREATED	т	TILE, TOP. TANGENT, THICKNESS	<i>∽</i> 7.	ABOUT, AT
CONC-S	CONCRETE, STEEL	FTG	FOOTING	MATL	MATERIAL	PVC	POINT OF VERTICAL CURVE,	ŤВ	TEST BORING	$\lambda$	DEFLECTION ANGLE
CONN	TROWELED & SEALED CONNECTION	FUT	FUTURE	MAX	MAXIMUM		POLY VINYL CHLORIDE	TC TEL	TOP OF CURB		
CONN CONST	CONSTRUCTION	_		MECH	MECHANICAL.	PM	POINT OF VERTICAL INTERSECTION	TEL	TELEPHONE	80	AND .
CONT	CONTINUOUS	G CA	GAS	MET MFGR	METAL MANUFACTURER	PVT	POINT OF VERTICAL TANGENT	TEMP TERM.	TEMPERATURE, TEMPORARY TERMINAL	<b>%</b>	PERCENT
CONTR	CONTRACTION	GA GALV	GAGE GALVANIZED	MFGR MH	MANHOLE, MOUNTING HEIGHT	R	RIGHT, RADIUS, RISER	TP	TEST PIT	ø	PHASE, ROUND
COORD	COORDINATE	GPM	GALLONS PER MINUTE	MIN	MINIMUM, MINUTE	R∕W	RIGHT OF WAY	ťν	TELEVISION	•	DEGREE
		O	WITH THE WITH THE THE TENE			' ' ' ' '			, , , ,		

### CITY CONSTRUCTION NOTES

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.

- 1. CITY INSPECTIONS TO INSURE THE COORDINATION OF TIMELY AND PROPER INSPECTIONS, A PRE—CONSTRUCTION CONFERENCE SHALL BE INITIATED BY THE APPLICANT, BUILDER, ETC., WITH THE DEVELOPMENT INSPECTOR. CALL (540) 853—1227 TO ARRANGE A CONFERENCE AT LEAST THREE (3) DAYS PRIOR TO ANTICIPATED CONSTRUCTION.
- 2. 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.
- 3. 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.
- 4. 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.
- 5. LOCATION OF UTILITIES THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.
- 6. 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.
- 7. 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.
- 8. 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.
- 9. SEWER AND PAVEMENT REPLACEMENT CONSTRUCTION OF SANITARY SEWERS AND THE REPLACEMENT OF PAVEMENT SHALL BE IN ACCORDANCE WITH THE APPROVED STANDARDS AND SPECIFICATIONS OF THE CITY OF ROANOKE AND THE WESTERN VIRGINIA WATER AUTHORITY.
- 10. 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.
- 11. FINAL ACCEPTANCE/CITY THE OWNER OR DEVELOPER SHALL FURNISH THE CITY OF ROANOKE'S PLANNING BUILDING AND DEVELOPMENT DEPARTMENT WITH A FINAL CORRECT SET OF AS—BUILT PLANS PRIOR TO FINAL ACCEPTANCE BY THE CITY.



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#### **DRAWING INDEX** TITLE SHEET LEGEND & NOTES DETAILS DETAILS OVERALL PLAN WATERLINE PLAN & PROFILE STATION 10+00 TO 15+50 WATERLINE PLAN & PROFILE STATION 15+50 TO 21+00 WATERLINE PLAN & PROFILE STATION 30+00 TO 33+43.83 EROSION CONTROL PLAN BUSINESS/SCIENCE BLDG PLUMBING PLANS ANDERSON HALL & PHYS.ED. PLUMBING PLANS FISHBURN HALL PLUMBING PLANS **BROWN LIBRARY** PLUMBING PLANS **CODE APPLICABILITY**

THE APPLICABLE BUILDING CODE FOR THIS PROJECT IS THE 2000 EDITION OF THE VIRGINIA UNIFORM STATEWIDE BUILDING

CODE (VUSBC) EFFECTIVE OCTOBER 1, 2003.

REVISIONS

A419

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VICINITY MAP

3-T1.dwg - Tuesday, February 26 2008