

ENGINEERS NOTES

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

ANY WORK COMMENCED ON A PROJECT PRIOR TO PLAN APPROVAL IS AT SOLE RISK OF THE

BALZER AND ASSOCIATES, INC. WILL NOT BE RESPONSIBLE FOR THE CONTRACTORS FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE PLANS OR WILL NOT BE RESPONSIBLE FOR ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, OR THEIR AGENTS OR EMPLOYEES, OR OF ANY OTHER PERSONS PERFORMING PORTIONS OF THE WORK

SOURCE OF TOPOGRAPHIC MAPPING IS FIELD SURVEY PERFORMED BY BALZER AND ASSOCIATES, INC., DATED 2012 AND CITY OF ROANOKE AERIAL MAPPING, DATED APRIL, 1996.

LEGEND

			•
CONCR	RETE PAVEMENT REPLACEME	ENT PAVE	RS CG-6 (WET)
ASPHA	LT PAVING 600 GRAVEL / RIPRAP	WETL	AND AREA CG-6 (DRY)
	ADJOINER PROPERTY LINE	T	PROP. TELEPHONE LINE
	SITE PROPERTY LINE	G	PROP. GAS LINE
	CENTERLINE OF ROADS	P	PROP. UNDERGROUND POWER
OHU	EXIST. OVERHEAD CABLES	8"W	PROP. WATERLINE
= = 8" $w = =$	EXIST. WATER LINE	8"SS	PROP. SANITARY SEWER LINE
==8"ss==	EXIST. SANITARY SEWER		PROP. STORM SEWER LINE
= =18"rcp = =	EXIST. STORM SEWER	$\frown \frown \frown$	PROP. TREELINE
~~~~	EXIST. TREELINE	5.2	BENCHMARK
	EXIST. EDGE OF PAVEMENT	TC=351.95	
_VVV_	WETLAND BOUNDARY	BC=351.45	PROP. TOP & BOTTOM OF CURB
<i>348.55</i> ×	EXIST. SPOT ELEVATION	<del>348</del>	PROP. CONTOURS
_ <i> 348                                 </i>	EXIST. INTERMEDIATE CONTOURS	<b>©</b>	TYPICAL YARD HYDRANT
——— <i>345</i> — —	EXIST. INDEX CONTOURS	<b>-</b>	PROP. FIRE HYDRANT
$\mathcal{C}$	EXIST. POWER POLE	· -	PROP. SIAMESE CONNECTION
t	EXIST. TELEPHONE	×	PROP. YARD LIGHT
¤	EXIST. LIGHT POLE	<b>′ ❸</b>	PROP. GATE VALVE
	EXIST. FEATURES TO BE REMOVED	x	PROP. FENCE
x	EXIST. FENCE		FLOW ARROW
EX.	EXIST. FENCE	PROP.	PROPOSED

**ABBREVIATIONS** 

SANITARY

SECTION

STATION

STANDARD

STORAGE

STORM DRAIN

SLOPE EASEMENT

SANITARY SEWER

SIDE YARD SETBACK

TO BE REMOVED

TOP OF CURB

TRANSFORMER

TOP OF WALL

TRANSPORTATION

WEST BOUND LANE

WESTERN VIRGINIA

WATER AUTHORITY

TYPICAL

VERTICAL

TELEPHONE

TEMPORARY BENCHMARK

VIRGINIA DEPARTMENT OF

SD

SE

SS

SSE

STA

STD

STO

SYS

TBR

TEL

TW

TYP

SECT

SOUTH BOUND LANE

SANITARY SEWER EASEMENT

ENDWALL

EXISTING

FOUNDATION

FINISH GRADE

HIGH POINT

INVERT

IRON PIN

MANHOLE

MINIMUM

MONUMENT

PROPOSED

PAVEMENT

RIGHT OF WAY

REQUIRED

RAILROAD

RADIUS

RIGHT

INTERSECTION

FINISHED FLOOR

HOMEOWNERS ASSOCIATION

MINIMUM BUILDING LINE

PUBLIC UTILITY EASEMENT

NORTH BOUND LANE

REAR YARD SETBACK

**EXIST** 

FDN

MBL

MON

NBL

PROP

PUE

**PVMT** 

R.O.W.

REQD

RR

ARROW HEAD TOP OF

FIRE HYDRANT

BOTTOM OF CURB

**APPROXIMATE** 

BITUMINOUS

BENCHMARK

CONCRETE

**DEFLECTION** 

DROP INLET

DRAINAGE EASEMENT

EDGE OF PAVEMENT

DIAMETER

ELECTRIC

ELEVATION

ENTRANCE

CORNER

DOUBLE

BOTTOM OF WALL

CURB & GUTTER

CORRUGATED METAL PIPE

CINDER BLOCK

BUILDING

BLOCK

**ASPHALT** 

ASPH

BLDG

BLK

ВМ

BW

CB

C&G

CMP

COR

DBL

DEFL

**ELEC** 

ELEV

ENTR

CONC

# HIDDEN VALLEY MIDDLE SCHOOL WATERLINE IMPROVEMENTS

4938 HIDDEN VALLEY SCHOOL ROAD ROANOKE, VIRGINIA 24018

#### SHEET INDEX

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#### WESTERN VIRGINIA WATER AUTHORITY NOTES AVAILABILITY No.: Number requested, to be issued by W.V.W.A.

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 CITY OF ROANOKE STANDARDS. LINES SHALL BE STAKED PRIOR TO CONSTRUCTION.

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.

THE CONTRACTOR SHALL PROVIDE THE WESTERN VIRGINIA WATER AUTHORITY WITH CORRECT AS-BUILT PLANS PRIOR TO SUBSTANTIAL

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

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

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 COMMERCIAL SERVICES SHALL BE IN COMPLIANCE WITH THE CURRENT WESTERN VIRGINIA WATER AUTHORITY REGULATIONS. REFER TO THESE REGULATIONS FOR COMPLETE DETAILS AND INSTALLATION METHODS.

# **DEMOLITION NOTES**

DEMOLITION SHALL INCLUDE, UNLESS OTHERWISE NOTED ON DRAWINGS, REMOVAL OF EXISTING OBJECTS OR IMPROVEMENTS, WHETHER INDICATED ON THE DRAWINGS OR NOT, THAT WOULD IN THE OPINION OF THE OWNER, PREVENT OR INTERFERE WITH THE PROGRESS OR COMPLETION OF THE PROPOSED WORK.

PERMITS, FEES AND LICENSES SHALL BE SECURED AND PAID FOR BY THE CONTRACTOR, INCLUDING DISPOSAL CHARGES AS REQUIRED.

WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE GOVERNING AUTHORITIES IN DEMOLITION OF EXISTING PAVEMENT, CURBS AND GUTTERS, DRAINAGE STRUCTURES AND UTILITIES AS MAY BE REQUIRED.

CONTRACTOR SHALL SAW-CUT ALL JOINTS WHERE EXISTING CURBING, PAVEMENT AND SIDEWALK IS TO BE DEMOLISHED AND NEW CONSTRUCTION JOINS THE EXISTING.

ALL EXISTING CURBING, CONCRETE SIDEWALK, ENTRANCES, BUILDING FOUNDATIONS AND TREES AND BRUSH THAT ARE DEMOLISHED SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR, BUILDING DEBRIS, ETC. SHALL NOT BE USED AS FILL MATERIAL ON THE SITE.

CONTRACTOR SHALL PROVIDE THE FOLLOWINGS PROTECTIONS AT THE JOB SITE:

COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

MAKE ARRANGEMENTS, BEFORE INITIATING DEMOLITION, FOR RELOCATING, DISCONNECTION, REROUTING, ABANDONING, OR SIMILAR ACTION AS MAY BE REQUIRED RELATIVE TO UTILITIES AND OTHER UNDERGROUND PIPING, TO PERMIT WORK TO PROCEED WITHOUT DELAY. ARRANGEMENTS SHALL BE MADE IN ACCORDANCE WITH REGULATIONS OF AUTHORITIES OF UTILITIES MENTIONED, SUCH AS OVERHEAD AND UNDERGROUND POWER AND TELEPHONE LINES AND EQUIPMENT, GAS PIPING, STORM SEWERS, SANITARY SEWERS, OR WATER PIPING. CONTRACTOR SHALL NOT USE WATER WHEN IT MAY CREATE HAZARDOUS OR OBJECTIONABLE CONDITIONS, SUCH AS ICE, FLOODING AND OR POLLUTION.

ENSURE SAFE PASSAGE OF PERSONS AROUND ALL AREAS OF DEMOLITION.

CONDUCT OPERATIONS TO PREVENT DAMAGE TO ADJACENT BUILDINGS. STRUCTURES, OTHER FACILITIES, OR INJURY TO PERSONS.

PROMPTLY REPAIR DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION OPERATIONS AT NO COST TO THE OWNER.

MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN, KEEP IN SERVICE, AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. PREVENT INTER-RUPTION OF EXISTING UTILITIES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES AS AC-CEPTABLE TO GOVERNING AUTHORITIES.

USE WATER SPRINKLING AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING IN AIR TO LOWEST PRACTICAL LEVEL.

#### SITE INFORMATION

SITE ADDRESS: 4938 HIDDEN VALLEY SCHOOL ROAD ROANOKE, VIRGINIA 24018

> SCHOOL BOARD OF ROANOKE COUNTY 4938 HIDDEN VALLEY SCHOOL ROAD ROANOKE, VIRGINIA 24018 Phone: (540) 562-3900

> > RIVER & CREEK CORRIDOR

Contact: MR. MARTY MISICKO

EDUCATIONAL FACILITY - MIDDLE SCHOOL **ZONING:** INPUD

OVERLAY DISTRICT:

OWNER/DEVELOPER:

TAX PARCEL NO.: 5120115

SITE AREA:

DISTURBED AREA: **0.82 ACRES** 

WATER: **EXISTING PUBLIC SERVICE EXISTING PUBLIC SERVICE** SEWER:

EXISTING BUILDING - 122,462 S.F. BUILDING AREA/NO. OF STORIES:

MAX. FLOOR AREA RATIO ALLOWED/PROVIDED: NO CHANGES FROM EXISTING CONDITIONS IMPERVIOUS SURFACE RATIO ALLOWED/PROVIDED: NO CHANGES FROM EXISTING CONDITIONS MAXIMUM BUILDING HEIGHT ALLOWED/PROPOSED: NO CHANGES FROM EXISTING CONDITIONS

CP120017 COMPREHENSIVE SITE PLAN NUMBER:

40.92

## STANDARD CITY OF ROANOKE CONSTRUCTION PROCEDURE REQUIREMENTS

NOTICE TO 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.

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 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, SIZE AND COMPOSITION OF THE 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.

<u>BARRICADES/DITCHES:</u> 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

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.

<u>FINAL_ACCEPTANCE/CITY:</u> 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.

City of Roanoke **Planning Building and Development** 

CITY OF ROANOKE APPROVAL BLOCK

REFLECTING TOMORRO

www.balzer.cc

New River Valle

ESIDENTIAL LAND DEVELOPMENT ENGINEERIN SITE DEVELOPMENT ENGINEERING LAND USE PLANNING & ZONING LANDSCAPE ARCHITECTURE LAND SURVEYING ARCHITECTURE

STRUCTURAL ENGINEERING GEOTECHNICAL ENGINEERIN TRANSPORTATION ENGINEERING ENVIRONMENTAL & SOIL SCIENCE

Balzer and Associates, Inc

WETLAND DELINEATIONS & STREAM EVALUATIONS

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5/01/12

DESIGNED BY BTC 3-30-12

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5-1-2012