# GENERAL NOTES

ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE CITY OF ROANOKE. THE CONTRACTOR IS REQUIRED TO NOTIFY THE CITY OF ROANOKE ENGINEERING DIVISION IN WRITING AT LEAST THREE (3) DAYS PRIOR TO ANY CONSTRUCTION, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- A. INSTALLATION OF APPROVED EROSION CONTROL DEVICES. B. CLEARING AND GRUBBING.
- C. SUBGRADE EXCAVATION. D. INSTALLING STORM SEWERS OR CULVERTS.
- E. INSTALLING CURB AND GUTTER FORMS.
- F. PLACING CURB AND GUTTER.
- G. PLACING OTHER CONCRETE. H. PLACING GRAVEL BASE.

THE JOB SITE.

I. PLACING ANY ROADWAY SURFACE J. INSTALLING WATER LINES.

K. INSTALLING SANITARY SEWER LINES.

MEASURES TO CONTROL EROSION AND SILTATION MUST BE PROVIDED FOR PRIOR TO PLAN APPROVAL PLAN APPROVAL IN NO WAY RELIEVES THE DEVELOPER OR CONTRACTOR OF THE RESPONSIBILITIES CONTAINED IN

FROSION AND SILTATION CONTROL POLICIES. FIELD CONSTRUCTION SHALL HONOR PROPOSED DRAINAGE DIVIDES AS SHOWN

PAVEMENT SECTIONS ON APPROVED PLANS ARE BASED ON RECOMMENDATIONS OF THE OWNER-SUPPLIED SUBSURFACE INVESTIGATION REPORT PREPARED BY GEOTECHNICS OF ROANOKE, VIRGINIA, DATED 29 JANUARY, 2004. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AT

ALL SPRINGS SHALL BE CAPPED AND PIPED TO THE NEAREST STORM SEWER OR NATURAL WATERCOURSE. THE PIPE SHALL-BE MINIMUM OF 6" DIAMETER AND CONFORM TO VDOT STANDARD SB-1.

CONSTRUCTION DEBRIS SHALL BE CONTAINED IN ACCORDANCE WITH THE VIRGINIA LITTER CONTROL ACT. NO LESS THAN ONE LITTER RECEPTACLE SHALL BE PROVIDED ON-SITE.

THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF CLEANING MUD FROM TRUCKS AND/OR OTHER EQUIPMENT PRIOR TO ENTERING PUBLIC STREETS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT THE STREETS ARE IN A CLEAN, MUD AND DUST FREE CONDITION AT ALL TIMES.

THE CONTRACTOR SHALL SUPPLY ALL UTILITY COMPANIES WITH COPIES OF APPROVED PLANS, ADVISING THEN THAT ALL GRADING AND INSTALLATION SHALL CONFORM TO

LOCATION OF UNDERGROUND UTILITIES IS BASED ON FIELD SURVEYS, AS SHOWN BY AVAILABLE RECORDS, AND AS LOCATED BY THE UTILITY LOCATOR SERVICE. CONTRACTORS SHALL NOTIFY UTILITIES OF PROPOSED CONSTRUCTION AT LEAST TWO. BUT NOT MORE THAN TEN WORKING DAYS IN ADVANCE. AREA PUBLIC UTILITIES MAY BE NOTIFIED THROUGH MISS UTILITY AT (800) 552-7001.

THE SUBJECT SITE LIES WITHIN ZONE "X" OF THE ONE-HUNDRED YEAR FLOOD PLAIN AS SHOWN ON FEMA "FLOOD INSURANCE RATE MAPS". ALL WORK SHALL BE SUBJECT TO INSPECTION BY CITY OF ROANOKE INSPECTORS. GRADE STAKES SHALL BE SET FOR ALL CURB AND GUTTER, CULVERT, SANITARY SEWER, AND STORM SEWER.

THE SITE WORK AND LANDSCAPING CONTRACTOR(S) SHALL COMPLY WITH LOCAL CODES IN OBSERVING EROSION CONTROL MEASURES, BOTH ON AND OFF THE SITE, REFER TO THE VIRGINIA UNIFORM CODING SYSTEM CONTAINED IN THE VIRGINIA SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION, FOR DETAILS AND SPECIFICATIONS OF EROSION CONTROL ITEMS SHOWN ON

ALL STORM DRAIN CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE VIRGINIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.

ALL FINISH GRADE CONTOURS AND SPOT ELEVATIONS SHOWN HEREIN ARE TO THE UPPER ELEVATION OF THE SPECIFIC ELEMENT. THE CONTRACTOR SHALL ACCOUNT FOR THE THICKNESS OF THE FINISH SURFACE (TOPSOIL, PAVEMENT, LANDSCAPE MULCH, ETC.) IN GRADING OF THE SITE.

### ENGINEER'S NOTES

CALDWELL WHITE ASSOCIATES ASSUMES NO RESPONSIBILITY FOR ADEQUACY OF PLANS OR FOR INFORMATION ON PLANS UNTIL SUCH PLANS HAVE BEEN APPROVED BY THE REQUIRED PUBLIC AGENCIES.

ANY WORK COMMENCED ON A PROJECT PRIOR TO PLAN APPROVAL IS AT SOLE RISK OF THE OWNER. CALDWELL WHITE ASSOCIATES DOES NOT GUARANTEE THE COMPLETION OR QUALITY OF PERFORMANCE OF THE CONTRACTS OR THE COMPLETION OR QUALITY OF PERFORMANCE OF CONTRACTS BY SUBCONTRACTORS OR OTHER THIRD PARTIES. EXISTING GRADE TOPOGRAPHY SHOWN HEREIN IS BASED ON OWNER-PROVIDED

AERIAL TOPOGRAPGHIC MAPPING, DATED MARCH 18, 1995, AND FIELD SURVEYS OF EXISTING UTILITY CONDITIONS BY CWA, DATED 2003/2004. PROPERTY BOUNDARY INFORMATION SHOWN HEREIN IS TAKEN FROM A BOUNDARY

SURVEY OF THE SITE BY CWA. DATED 2001.

#### SEWER NOTES

A MINIMUM COVER OF THREE (3) FEET IS REQUIRED OVER PROPOSED LINES. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING ALL MANHOLES AFTER PAVING. MANHOLE TOPS SHALL BE ADJUSTED TO GRADE

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

ALL SANITARY SEWER MATERIALS, FABRICATION, AND INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH CITY OF ROANOKE STANDARDS AND SPECIFICATIONS. NEW SANITARY SEWER MANHOLES SHALL BE PRE-CAST CONCRETE, AND SHALL BE EQUIPPED WITH CITY APPROVED WATERTIGHT FRAMES AND COVERS. NEW SANITARY SEWER PIPE. FITTINGS. CLEANOUT STACKS. ETC. SHALL BE SDR-35 UNPLASTICIZED POLYVINYL CHLORIDE (PVC), UNLESS OTHERWISE INDICATED ON THE DRAWINGS. TRAFFIC BEARING FRAMES AND COVERS SHALL BE PROVIDED AND INSTALLED ON ALL NEW EXTERIOR SANITARY SEWER CLEANOUTS.

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.

### WATER NOTES

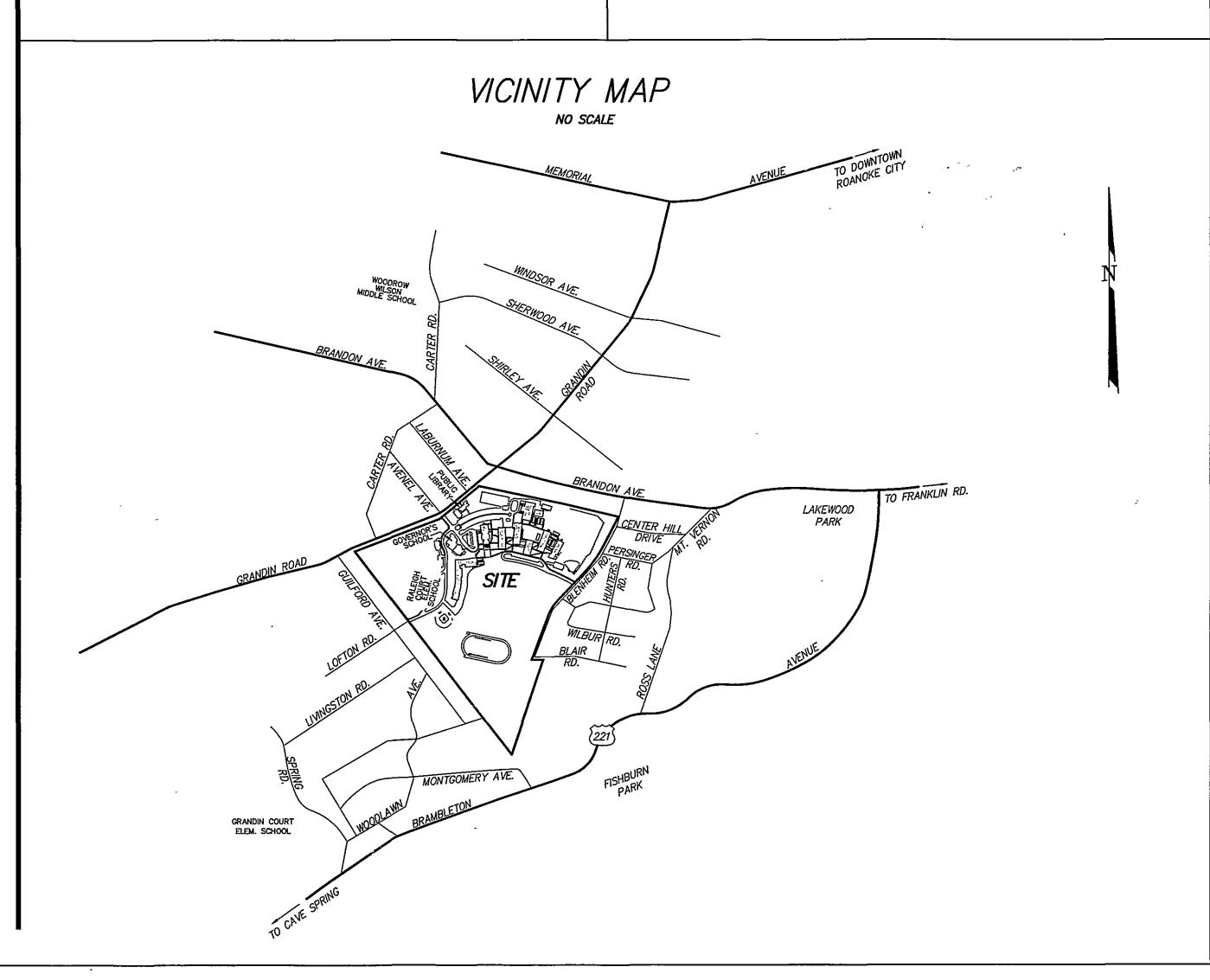
A MINIMUM COVER OF THREE (3) FEET IS REQUIRED OVER PROPOSED LINES. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING VALVE VAULTS AFTER PAVING AND ADJUSTMENT TO FINAL GRADE IF NECESSARY.

ALL EXISTING UTILITIES MAY NOT BE SHOWN, OR MAY NOT BE SHOWN IN THE EXACT LOCATION. THE CONTRACTOR SHALL COMPLY WITH 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.

WATER MAIN SHALL BE MINIMUM CLASS 52 DUCTILE IRON IN ACCORDANCE WITH AWWA C151 OR DR-14 PVC IN ACCORDANCE TO C-900.



## STANDARD CITY OF ROANOKE CONSTRUCTION PROCEDURE REQUIREMENTS

CITY INSPECTIONS: TO ENSURE THE COORDINATION OF TIMELY AND PROPER INSPECTIONS. A PRECONSTRUCTION CONFERENCE SHALL BE INITIATED BY THE CONTRACTOR WITH THE CITY OF ROANOKE DEVELOPMENT INSPECTOR, WINSTON CORBETT (540) 853-1227 TO ARRANGE A CONFERENCE AT LEAST THREE (3) DAYS PRIOR TO ANTICIPATED CONSTRUCTION.

STREET OPENING PERMIT: PRIOR TO THE COMMENCEMENT OF ANY DIGGING, ALTERATION. OR CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY (STREETS, ALLEYS, PUBLIC EASEMENTS) A STREET OPENING PERMIT SHALL BE APPLIED FOR AND OBTAINED BY THE CONTRACTOR FROM THE CITY OF ROANOKE.

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.

THE SITE. THE SIZE AND COMPOSITION OF THE CONSTRUCTION ENTRANCE SHALL BE AS SHOWN WITHIN THESE PLANS. STREETS TO REMAIN CLEAN: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE PUBLIC STREET ADJACENT TO THE

CONSTRUCTION ENTRANCE: THE CONTRACTOR SHALL INSTALL AN ADEQUATE

CONSTRUCTION ENTRANCE FOR ALL CONSTRUCTION—RELATED EGRESS FROM

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 CITY OF ROANOKE DEVELOPMENT REVIEW ENGINEER PRIOR TO SAID CHANGES OR VARIATIONS ON CONSTRUCTION BEING MADE.

FINAL ACCEPTANCE/CITY: THE DEVELOPER OR CONTRACTOR SHALL FURNISH
THE CITY OF ROANOKE ENGINEERING DEPARTMENT WITH A FINAL CORRECT SET OF AS-BUILT PLANS FOR PUBLICLY MAINTAINED IMPROVEMENTS PRIOR TO FINAL ACCEPTANCE BY THE CITY.

NOTICE: 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.

### DEMOLITION NOTES

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.

WHERE EXISTING UTILITY LINES ARE SHOWN TO BE REMOVED, THEY SHALL BE REMOVED IN THEIR ENTIRETY, WITH THE VOID BACKFILLED IN ACCORDANCE WITH THE PROJECT MANUAL.

CONTRACTOR SHALL PROVIDE THE FOLLOWING PROTECTIONS AT THE JOB SITE:

WHERE GRAVITY PIPE UTILITIES ARE SHOWN TO BE ABANDONED, WITH THE LOWER JUNCTION (MANHOLE) TO REMAIN, THE CONTRACTOR SHALL REMOVE A MINIMUM OF TWO JOINTS OF THE INFLOW PIPE, AND PLUG AND SEAL THE REMAINING PIPE(S) SHOWN TO BE ABANDONED. THE ENTIRE PIPE SHALL BE THEN FILLED WITH FLOWABLE FILL FROM THE UPPER-MOST PORTION TO BE ABANDONED. THE OPENING IN THE LOWER JUNCTION SHALL BE SEALED WITH BRICK AND MORTAR, PROVIDING A WATER-TIGHT PATCH. INSTALL NON-SHRINK GROUT AS REQUIRED TO PROVIDE THIS SEAL.

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.

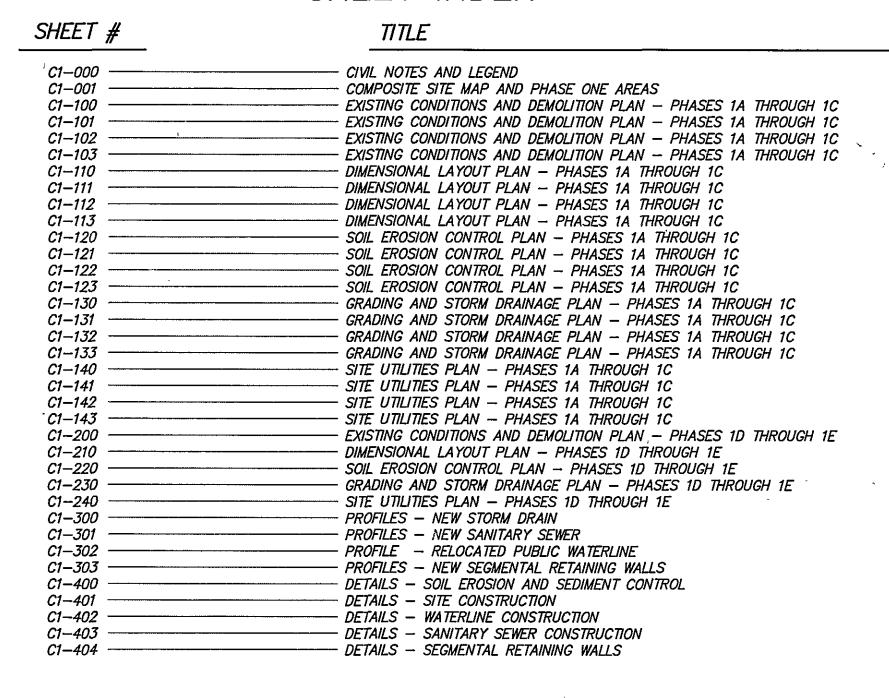
PROMPTLY REPAIR DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION OPERATIONS AT NO COST TO THE OWNER.

MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN, KEEP IN SERVICE, AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. PREVENT INTERRUPTION 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 ACCEPTABLE TO GOVERNING AUTHORITIES.

USE WATER SPRINKLING AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING IN AIR TO LOWEST PRACTICAL LEVEL. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL

PROTECTION. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITIONS EXISTING PRIOR TO THE START OF WORK.

### SHEET INDEX



### ANY VARIATION FROM APPROVED PLANS MUST BE APPROVED BY THE CITY OF ROANOKE

			LEGE	IND	SYMBO	<u>LS</u>
	ABBR	EVIATIONS		EXISTING	NEW	-
AHFH  APPROX ASPH BC BIT BLDG BLK BM CB CMP CONC COR DBL DEFL DI A DE EBLEC ELEV ENTR EP EW EXIST FDN FF FG HPT INV IP LT MBL	ARROW HEAD TOP OF FIRE HYDRANT APPROXIMATE ASPHALT BOTTOM OF CURB BITUMINOUS BUILDING BLOCK BENCHMARK BOTTOM OF WALL CINDER BLOCK CURB & GUTTER CORRUGATED METAL PIPE CONCRETE CORNER DOUBLE DEFLECTION DROP INLET DIAMETER DRAINAGE EASEMENT EAST BOUND LINE ELEVATION ENTRANCE EDGE OF PAVEMENT ENDWALL EXISTING FOUNDATION FINISHED FLOOR FINISH GRADE HIGH POINT INVERT IRON PIN LEFT MINIMUM BUILDING LINE MANHOLE	MIN MON NBL PROP PUE PVMT R RT R/W REQD RR RYS SAN SBL SD SECT SE SSE STA STD STO SYS TBM TC TEL TRANS TW TYP VDOT VERT WBL YD	MINIMUM MONUMENT NORTH BOUND LANE PROPOSED PUBLIC UTILITY EASEMENT PAVEMENT RADIUS RIGHT RIGHT OF WAY REQUIRED RAILROAD REAR YARD SETBACK SANITARY SOUTH BOUND LANE STORM DRAIN SECTION SLOPE EASEMENT SANITARY SEWER SANITARY SEWER SANITARY SEWER SANITARY SEWER SANITARY SEWER SIDE YARD SETBACK TEMPORARY BENCHMARK TOP OF CURB TELEPHONE TRANSFORMER TOP OF WALL TYPICAL VIRGINIA DEPARTMENT OF TRANSPORTATION VERTICAL WEST BOUND LANE YARD	·	NEW  100.5	SPOT ELEVATION CONTOURS SANITARY SEWER LINE WATERLINE STORM DRAIN GAS LINE OVERHEAD ELECTRIC LINE OVERHEAD TELEPHONE LINE UNDERGROUND TEL OR ELEC LINE STEAM SUPPLY OR RETURN LINES WATER OR GAS METER VALVE FIRE HYDRANT MANHOLE CLEANOUT DROP INLET (CURB OR GRATE) UTILITY POLE, GUY & ANCHOR DITCH OR SWALE CENTERLINE OR BASELINE PROPERTY LINE SURVEY TRAVERSE POINT YARD LIGHTING BENCHMARK
				XXX	- X	FENCE TREE LINE HANDICAPPED SPACE DETAIL BUBBLE

NAME OF DEVELOPMENT

PATRICK HENRY HIGH SCHOOL

COMPANY NAME

TELEPHONE

CONTACT ADDRESS

LOCATION

2102 GRANDIN ROAD, S.W. CITY OF ROANOKE, VIRGINIA ROANOKE CITY PUBLIC SCHOOLS

**DEVELOPER** 

OWNER

40 DOUGLASS AVENUE, N.W. ROANOKE, VA 24012

ATTN: MS. DEBBIE DANIEL - CONSTRUCTION SUPERVISOR (540) 777-0514 (SAME AS OWNER)

CITY OF ROANOKE TAX PARCEL

RESPONSIBLE LAND DISTURBER CERTIFICATION THIS PROJECT IS CURRENTLY OUT TO BID. THE SUCCESSFUL BIDDER SHALL NAME ONE PERSON RESPONSIBLE FOR ALL LAND DISTURBANCE ACTIVITIES AND EROSION CONTROL MEASURES. THE PERSON NAMED SHALL HOLD A VALID "RESPONSIBLE LAND DISTURBER CERTIFICATE" UNDER THE GENERAL ASSEMBLY REVISIONS TO THE VIRGINIA EROSION & SEDIMENT CONTROL LAW AS REVISED JULY 01, 2001. THE PERSON NAMED WILL BE IN CHARGE OF AND RESPONSIBLE FOR CARRYING OUT ALL EROSION CONTROL MEASURES. THE PERSON NAMED SHALL AFFIX SIGNED AND PRINTED NAME TO ONE COPY OF THIS SHEET AND SUBMIT TO THE CITY OF ROANOKE PLANNING DEPARTMENT. THE APPROVING AUTHORITIES WILL NOT ISSUE A LAND DISTURBING PERMIT UNTIL THIS NAME HAS BEEN PROVIDED TO SAID DEPARTMENT.

CWA W.O.: 02-0006

PRINTED NAME **SIGNATURE** 

RESPONSIBLE LAND DISTURBER CERTIFICATE NUMBER EXPIRATION DATE

\*CWA

CALDWELL WHITE ASSOCIATES

1460101

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The Fitch Studio 1740 20th Street, NW Washinton, DC 20009 202-588-0148 (p) 202-588-0149 (f)

Kinsey Shane & Associates - Architects and Structural Engineers 201 West Main Street Salem, Virginia 24153 540-389-8655 (p) 540-389-9130 (f)

Lawrence Perry & Associates, inc Mechanical & Electrical Engineers 30A West Church Avenue Roanoke, Virginia 24011

540-342-1816 (p) 540-344-3410 (f) Faassen & Associates - Food Service 8526 Sunflower Drive

Charlotte, North Carolina 204-536-9234 (f) **Blaricom & Frantz - Interior Designers** 

112 West Kirk Avenue Roanoke, Virginia 24015 540-344-4098 (p) 540-344-4295 (f)

## PATRICK HENRY HIGH SCHOOL

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PLANNING BUILDING AND DEVELOPMENT

Sheet Information 04/02/04 Job Number 800200.000 Scale Drawn C.L. White Checked Approved

> CIVIL NOTES AND LEGEND

AS - BUILT

WVWA ID# 78HGUA