

## GENERAL NOTES

ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE CITY OF ROANOKE. THE CONTRACTOR OR DEVELOPER 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:

- INSTALLATION OF APPROVED EROSION CONTROL DEVICES.
- CLEARING AND GRUBBING.
- SUBGRADE EXCAVATION.
- INSTALLING STORM SEWERS OR CULVERTS.
- INSTALLING CURB AND GUTTER FORMS.
- PLACING CURB AND GUTTER.
- PLACING GRAVEL BASE.
- PLACING ANY ROADWAY SURFACE.

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 EROSION AND SILTATION CONTROL POLICIES.

FIELD CONSTRUCTION SHALL HONOR PROPOSED DRAINAGE DIVIDES AS SHOWN ON PLANS.

ALL UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE CONSTRUCTION LIMITS OF THE ROADWAY BEFORE PLACING EMBANKMENT.

CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AT THE JOB SITE.

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

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.

ALL WORK SHALL BE SUBJECT TO INSPECTION BY CITY OF ROANOKE INSPECTORS.

GRADE STAKES SHALL BE SET FOR ALL CURB AND GUTTER, AND STORM SEWER.

LOCATION OF UNDERGROUND UTILITIES IS BASED ON FIELD SURVEYS, AS SHOWN BY AVAILABLE RECORDS, AND AS LOCATED BY THE UTILITY LOCATOR SERVICE. CONTRACTOR SHALL VERIFY LOCATION OF UTILITIES PRIOR TO CONSTRUCTION.

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 THESE PLANS.

ALL EARTHWORK, PAVING, STORM DRAIN CONSTRUCTION & INSTALLATION, CONCRETE INSTALLATION, PAVING AND RELATED PHYSICAL IMPROVEMENTS SHALL BE IN CONFORMANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE VIRGINIA DEPARTMENT OF TRANSPORTATION.

## 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 DEVELOPER.

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.

SOURCE OF TOPOGRAPHIC MAPPING IS FIELD SURVEY BY CALDWELL WHITE ASSOCIATES DATED: APRIL 2002

BOUNDARY INFORMATION WAS PROVIDED BY MAP ENTITLED 'SURVEY FOR KENNETH D. KISER, SANDRA T. KISER AND KENNETH D. KISER, JR.' PREPARED BY C.E. LACY, JR. DATED FEBRUARY 19, 1993.

## 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 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.

House connections are to be made with 4" pipe installed at a minimum grade of 1/4 inch to 1 foot in easement areas.

Laterals from manholes shall be PVC or Ductile Iron of sufficient length to provide two (2) feet of bearing on natural ground. The transition from ductile iron to asbestos cement or concrete pipe shall be made with an adapter coupling in R/W.

All trenches within the existing right-of-way shall be compacted according to V.D.O.T. standards.

Lines shall be staked prior to construction.

## 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 DEPARTMENT OF ZONING AND DEVELOPMENT (540) 853-2344 OR 853-1446 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.

**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 CITY 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:** 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.

## SHEET INDEX

SHEET

C-1

C-2

C-3

TITLE

TITLE SHEET

PLAN & PROFILE

STANDARD SANITARY SEWER DETAILS

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

## LEGEND

### ABBREVIATIONS

AH/FH	ARROW HEAD TOP OF FIRE HYDRANT	MH	MANHOLE
APPROX	APPROXIMATE	MIN	MINIMUM
ASPH	ASPHALT	MON	MONUMENT
BC	BOTTOM OF CURB	NBL	NORTH BOUND LANE
BT	BITUMINOUS	PROP	PROPOSED
BLDG	BUILDING	PUE	PUBLIC UTILITY EASEMENT
BLK	BLOCK	PVMT	PAVEMENT
BM	BENCHMARK	R	RADIUS
BW	BOTTOM OF WALL	RT	RIGHT
CB	CINDER BLOCK	R/W	RIGHT OF WAY
C&G	CURB & GUTTER	REQD	REQUIRED
CMP	CORRUGATED METAL PIPE	RR	RAILROAD
CONC	CONCRETE	RYS	REAR YARD SETBACK
COR	CORNER	SAN	SANITARY
DBL	DOUBLE	SBL	SOUTH BOUND LANE
DEFL	DEFLECTION	SD	STORM DRAIN
DI	DROP INLET	SECT	SECTION
DI	DIAMETER	SE	SLOPE EASEMENT
DE	DRAINAGE EASEMENT	SS	SANITARY SEWER
EBL	EAST BOUND LANE	SSE	SANITARY SEWER EASEMENT
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	TD	TOP OF CURB
FDN	FOUNDATION	TEL	TELEPHONE
FF	FINISHED FLOOR	TRANS	TRANSFORMER
FG	FINISH GRADE	TW	TOP OF WALL
GC	GENERAL CONTRACTOR	TYP	TYPICAL
HPT	HIGH POINT	VDOT	VIRGINIA DEPARTMENT OF TRANSPORTATION
INV	INVERT	VERT	VERTICAL
IP	IRON PIN	WBL	WEST BOUND LANE
LT	LEFT	YD	YARD
NBL	MINIMUM BUILDING LINE		

### SYMBOLS

EXISTING	NEW	
100.5	100.5	SPOT ELEVATION
----- 100 -----	100	CONTOURS
== 8" ss ==	8" ss	SANITARY SEWER LINE
--- 4" w ---	4" w	WATERLINE
== 8" conc ==	8" conc	STORM DRAIN
--- 2" g ---	2" g	GAS LINE
--- e ---	e	OVERHEAD ELECTRIC LINE
--- t ---	t	OVERHEAD TELEPHONE LINE
--- catv ---	catv	OVERHEAD CABLE TELEVISION LINE
--- ue --- ut ---	ue ut	UNDERGROUND TEL OR ELEC LINE
□	□	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
△	△	DEFLECTION ANGLE
△	△	DIRECT ANGLE
△	△	YARD LIGHTING
△	△	YARD HYDRANT
△	△	WELL
△	△	BENCHMARK
△	△	FENCE
△	△	TREE LINE
△	△	RAILROAD
△	△	HANDICAPPED SPACE

Name of  
Site Plan

ROBERT SCHNEIDER  
CONSTRUCTION CO.

Location

Walton Street - Unimproved  
between Purcell Avenue & Wallace Avenue  
CITY OF ROANOKE, VIRGINIA

Owner

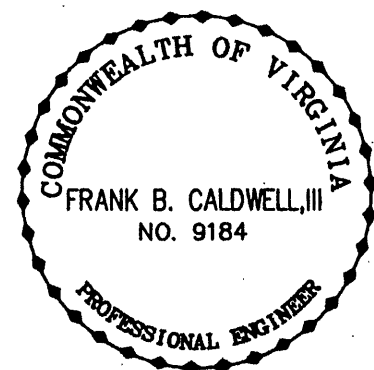
Robert Schneider Construction Co.  
31 Dove Court  
Cloverdale, Virginia 24077

Contractor

SUBJECT TO BID

City of Roanoke Tax Parcel: 3221712 - 3221720

As-Built  
Walton + Wallace  
T# 322 Cad# 0673



**CWA**  
Caldwell White Associates  
ENGINEERS / SURVEYORS / PLANNERS  
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