

VDOT NOTES

STREETS TO BE GRADED, PAVED, AND ALL STRUCTURAL COMPONENTS ERECTED IN ACCORDANCE WITH THE VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS AND TESTED IN ACCORDANCE WITH STANDARD POLICIES. THE DEVELOPER MUST CONTACT THE OFFICE OF THE RESIDENT ENGINEER PRIOR TO BEGINNING ANY CONSTRUCTION, AT WHICH TIME AN INSPECTION AND TESTING PROCEDURE POLICY WILL BE DRAWN. THE DEVELOPER MAY PRODUCE TEST REPORTS FROM APPROVED INDEPENDENT LABORATORIES OR SOLICIT TESTING BY VDOT. IN EITHER EVENT, IT SHALL BE AT THE DEVELOPER'S EXPENSE.

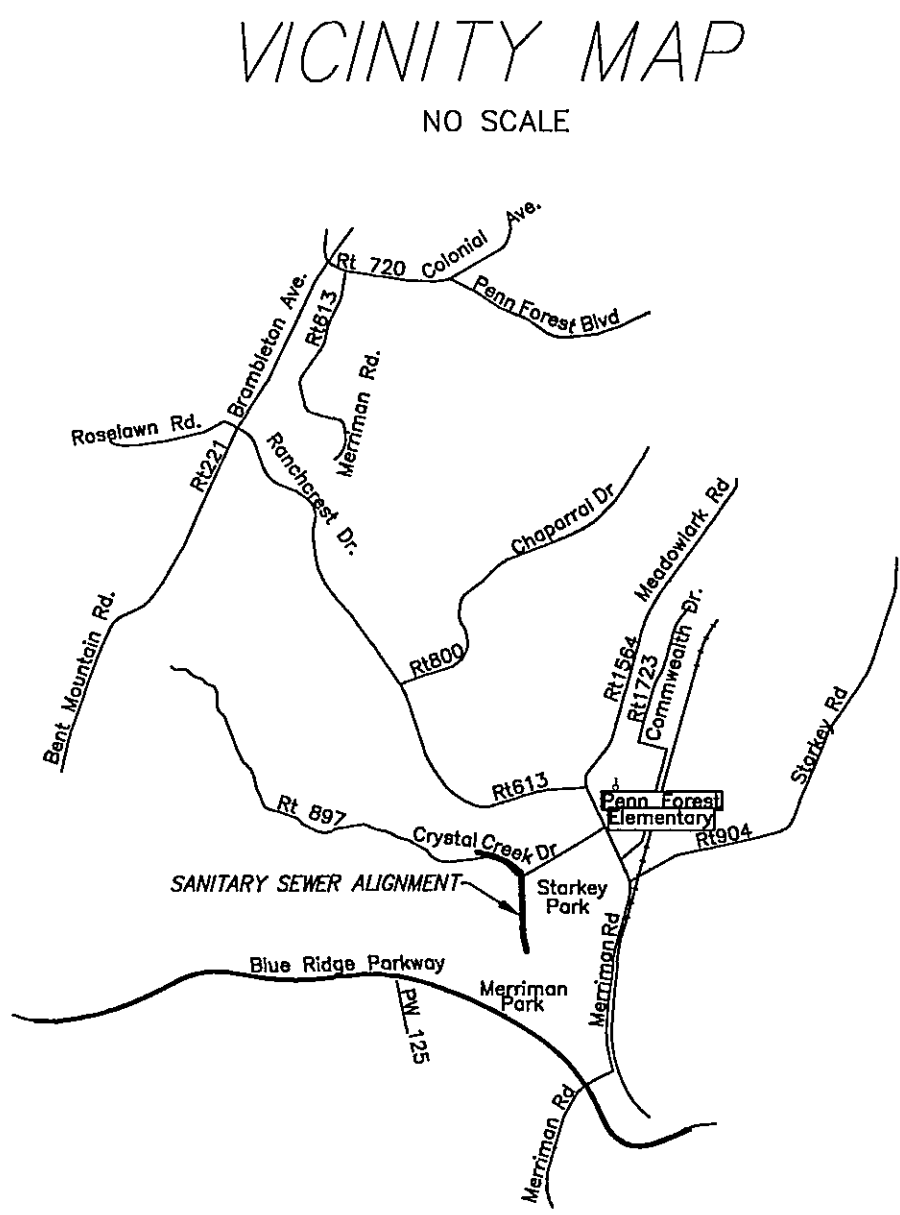
ALL NECESSARY UTILITIES WILL BE PLACED PRIOR TO PAVEMENT SURFACING, OR CONDUIT PROVISIONS BE MADE FOR THE SAME (i.e. WATER, SEWER, GAS AND TELEPHONE.)

CARE MUST BE TAKEN DURING CONSTRUCTION TO PREVENT EROSION, DUST, AND MUD FROM DAMAGING ADJACENT PROPERTY, CLOGGING DITCHES, TRACKING PUBLIC STREETS, AND OTHERWISE CREATING A PUBLIC OR PRIVATE NUISANCE TO SURROUNDING AREAS.

THE ENTIRE CONSTRUCTION AREA IS TO BE BACK-FILLED AND SEEDED AT THE EARLIEST POSSIBLE TIME FOLLOWING FINAL GRADING.

IF EROSION IS ENCOUNTERED IN ANY EXISTING DRAINAGE EASEMENT, IT WILL BE THE RESPONSIBILITY OF THE DEVELOPER TO SOD, RIP-RAP, GROUT, PAVE, OR TO DO WHATEVER IS NECESSARY TO CORRECT THE PROBLEM.

MINIMUM PAVEMENT RADIUS OF 25 FEET REQUIRED AT ALL STREET INTERSECTIONS.



GENERAL NOTES

ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF ROANOKE COUNTY, THE VIRGINIA DEPARTMENT OF TRANSPORTATION AND THE WESTERN VIRGINIA WATER AUTHORITY.

THE CONTRACTOR IS REQUIRED TO NOTIFY THE WESTERN VA. WATER AUTHORITY 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. INSTALLING SANITARY SEWER LINES.

A PRECONSTRUCTION CONFERENCE SHOULD BE SCHEDULED WITH THE WESTERN VIRGINIA WATER AUTHORITY, TO BE HELD AT LEAST ONE DAY PRIOR TO ANY CONSTRUCTION.

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

A PERMIT MUST BE OBTAINED FROM THE VDOT RESIDENCY OFFICE, SALEM , PRIOR TO CONSTRUCTION IN THE HIGHWAY RIGHT OF WAY.

PLAN APPROVAL DOES NOT GUARANTEE THE ISSUANCE OF ANY PERMITS BY VDOT.

AN APPROVED SET OF PLANS AND ALL PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE.

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

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 CONTRACTOR SHALL SUPPLY ALL UTILITY COMPANIES WITH COPIES OF APPROVED PLANS, ADVISING THEM 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 ROANOKE COUNTY, VDOT INSPECTORS OR WESTERN VIRGINIA WATER AUTHORITY INSPECTORS.

FIELD CORRECTIONS SHALL BE APPROVED BY THE WESTERN VIRGINIA WATER AUTHORITY PRIOR TO SUCH CONSTRUCTION.

GRADE STAKES SHALL BE SET FOR ALL CURB AND GUTTER, CULVERT, SANITARY SEWER, 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 ALL UTILITIES PRIOR TO CONSTRUCTION.

THE SITE WORK CONTRACTOR 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.

SHEET INDEX

SHEET #	TITLE
1	COVER SHEET
2	PLAN AND PROFILE-STA. 10+00 TO 18+47
3	PLAN AND PROFILE-STA. 18+47 TO 23+65
4	EROSION AND SEDIMENT CONTROL PLAN
5	CONSTRUCTION AND EROSION CONTROL DETAILS

LEGEND

ABBREVIATIONS		EXISTING		NEW		SYMBOLS	
AHH	ARROW HEAD TOP OF	MIN	MINIMUM	100.5	100.5	SPOT ELEVATION	
APPROX	APPROXIMATE	MON	MONUMENT	100	100	CONTOURS	
ASPH	ASPHALT	NBL	NORTH BOUND LANE	8"SS	8"SS	SANITARY SEWER LINE	
BC	BOTTOM OF CURB	PROP	PROPOSED	4"W	4"W	WATERLINE	
BIT	BITUMINOUS	PUE	PUBLIC UTILITY EASEMENT	8"SD	8"SD	STORM DRAIN	
BLDG	BUILDING	PVMT	PAVEMENT	2"G	2"G	GAS LINE	
BLK	BLOCK	R	RADIUS	E	E	OVERHEAD ELECTRIC LINE	
BW	BENCHMARK	RT	RIGHT	T	T	OVERHEAD TELEPHONE LINE	
BW	BOTTOM OF WALL	R/W	RIGHT OF WAY	CATV	CATV	OVERHEAD CABLE TELEVISION LINE	
CB	CINDER BLOCK	REQD	REQUIRED	UE	UE	UNDERGROUND TEL OR ELEC LINE	
C&G	CURB & GUTTER	RR	RAILROAD	M	M	WATER OR GAS METER	
CMP	CORRUGATED METAL PIPE	RYS	REAR YARD SETBACK	F.H.	F.H.	FIRE HYDRANT	
CONC	CONCRETE	SAN	SANITARY	C.O.	C.O.	MANHOLE	
COR	CORNER	SBL	SOUTH BOUND LANE			CLEANOUT	
DBL	DOUBLE	SD	STORM DRAIN			DROP INLET (CURB OR GRATE)	
DEFL	DEFLECTION	SECT	SECTION			UTILITY POLE, GUY & ANCHOR	
DI	DROP INLET	SE	SLOPE EASEMENT			DITCH OR SWALE	
DIA	DIAMETER	SS	SANITARY SEWER			CENTERLINE OR BASELINE	
DE	DRAINAGE EASEMENT	SSE	SANITARY SEWER EASEMENT			PROPERTY LINE	
EBL	EAST BOUND LANE	STA	STATION			SURVEY TRAVERSE POINT	
STD	STANDARD	STD	STANDARD			DEFLECTION ANGLE	
ELEC	ELECTRIC	SYS	STORAGE			DIRECT ANGLE	
ELEV	ELEVATION	TC	TEMPORARY BENCHMARK			YARD LIGHTING	
ENTR	ENTRANCE	TEL	TELEPHONE			YARD HYDRANT	
EP	EDGE OF PAVEMENT	TRANS	TRANSFORMER			WELL	
EW	ENDWALL	TOP OF WALL	TOP OF WALL			BENCHMARK	
EXIST	EXISTING	TYP	TYPICAL			FENCE	
FDN	FOUNDATION	VERT	VERTICAL			TREE LINE	
FG	FINISHED FLOOR	NBL	NORTH BOUND LANE			RAILROAD	
HPT	HIGH POINT	YD	YARD			HANDICAPPED SPACE	
INV	INVERT						
IP	IRON PIN						
LT	LEFT						
MBL	MINIMUM BUILDING LINE						
MH	MANHOLE						

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 CONTRACTOR.

CALDWELL WHITE ASSOCIATES DOES NOT GUARANTEE THE COMPLETION OR QUALITY OF PERFORMANCE OF THE CONTRACTS BY CONTRACTORS OR OTHER THIRD PARTIES.

SOURCE OF TOPOGRAPHIC MAPPING IS FIELD SURVEY BY CALDWELL WHITE ASSOCIATES DATED SEPTEMBER 24 & 29, 2004.

A BOUNDARY SURVEY HAS NOT BEEN PERFORMED.

SEWER NOTES

ALL SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE WESTERN VIRGINIA WATER AUTHORITY DESIGN AND CONSTRUCTION STANDARDS.

ALL MANHOLE FRAMES AND COVERS SHALL BE WATERTIGHT AND ALL COVERS SHALL BE BOLT-DOWN MANHOLE COVERS. (SEE DETAILS S-05 AND S-06).

ALL NEW CONNECTIONS TO EXISTING SANITARY SEWER SHALL BE MADE BY THE WESTERN VIRGINIA WATER AUTHORITY.

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

FLOOD ZONE DESIGNATION

THE SUBJECT PROPERTY LIES WITHIN THE LIMITS OF ZONES "AE" AND "X" (SHADED) AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP, PANEL 51161C0064 D, EFFECTIVE DATE OCTOBER 15, 1993. THIS DETERMINATION IS BASED ON FIELD SURVEY ELEVATIONS OBTAINED BY CALDWELL WHITE ASSOCIATES.

AS-BUILT CONDITIONS  
JUNE 6, 2005

NAME OF DEVELOPMENT: CRYSTAL CREEK SANITARY SEWER EXTENSION

LOCATION: CRYSTAL CREEK DRIVE AND STARKEY PARK

OWNER: WESTERN VIRGINIA WATER AUTHORITY

DEVELOPER: WESTERN VIRGINIA WATER AUTHORITY

TAX MAP #(S) 097.05-01-25, 097.05-01-26  
097.01-02-11, 097.01-02-07

Designed: JWK	REVISIONS			
	No.	Date	Remarks	By
Drawn: JWK	1	10/29	APPROX WATER SURFACE ELEV. OF BACK CREEK ADDED	JWK
	2	11/9	REVISED TO BORE & JACK AT ROAD CROSSING	JWK
Date: 10/19/04	2	1/12 2005	WVWA COMMENTS DATED JAN. 12, 2005	
W.O. # 04-0101				
N.B. # WVWA				



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