

LEGEND

ABBREVIATIONS

AHFH	ARROW HEAD TOP OF FIRE HYDRANT	MIN	MINIMUM
APPROX	APPROXIMATE	MON	MONUMENT
ASPH	ASPHALT	NBL	NORTH BOUND LANE
BC	BOTTOM OF CURB	PROP	PROPOSED
BIT	BITUMINOUS	PUE	PUBLIC UTILITY EASEMENT
BLDG	BUILDING	PVMT	PAVEMENT
BLK	BLOCK	R	RADIUS
BM	BENCHMARK	RT	RIGHT
BW	BOTTOM OF WALL	R.O.W.	RIGHT OF WAY
CB	CINDER BLOCK	REQD	REQUIRED
C&G	CURB & GUTTER	RR	RAILROAD
CMP	CORRUGATED METAL PIPE	RYS	REAR YARD SETBACK
CONC	CONCRETE	SAN	SANITARY
COR	CORNER	SBL	SOUTH BOUND LANE
DBL	DOUBLE	SD	STORM DRAIN
DEFL	DEFLECTION	SECT	SECTION
DI	DROP INLET	SE	SLOPE EASEMENT
DIA	DIAMETER	SS	SANITARY SEWER
DE	DRAINAGE EASEMENT	SSE	SANITARY SEWER EASEMENT
EBL	EAST BOUND LANE	STA	STATION
ELEC	ELECTRIC	STD	STANDARD
ELEV	ELEVATION	STO	STORAGE
ENTR	ENTRANCE	SYS	SIDE YARD SETBACK
EP	EDGE OF PAVEMENT	TBM	TEMPORARY BENCHMARK
EW	ENDWALL	TC	TOP OF CURB
EXIST	EXISTING	TEL	TELEPHONE
FDN	FOUNDATION	TRANS	TRANSFORMER
FF	FINISHED FLOOR	TW	TOP OF WALL
FG	FINISH GRADE	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
MBL	MINIMUM BUILDING LINE		
MH	MANHOLE		

SYMBOLS

EXISTING	NEW	
100.5 E	FG=100.5	SPOT ELEVATION
----- 100 -----	---(100)---	CONTOURS
==8"ss==	---8"SS---	SANITARY SEWER LINE
---4"W---	---4"W---	WATERLINE
==8"sd==	---8"SD---	STORM DRAIN
---2"G---	---2"G---	GAS LINE
---e---	---E---	OVERHEAD ELECTRIC LINE
---t---	---T---	OVERHEAD TELEPHONE LINE
---tv---	---TV---	OVERHEAD CABLE TELEVISION LINE
---ue ut---	---UE UT---	UNDERGROUND TEL OR ELEC LINE
[G]	[W]	WATER OR GAS METER
---o---	---o---	VALVE
---f.h---	---F.H---	FIRE HYDRANT
---c.o---	---C.O---	MANHOLE
---c.o---	---C.O---	CLEANOUT
---p+---	---p+---	DROP INLET (CURB OR GRATE)
---p+---	---p+---	UTILITY POLE, GUY & ANCHOR
---p+---	---p+---	DITCH OR SWALE
---p+---	---p+---	CENTERLINE OR BASELINE
Δ	Δ	SURVEY TRAVERSE POINT
Δ	Δ	DEFLECTION ANGLE
∠	∠	DIRECT ANGLE
⊙	⊙	BENCHMARK
---x x---	---x x---	FENCE
~~~~~	~~~~~	TREE LINE

## UTILITY NOTES

REFER TO SHEET C-7 FOR ADDITIONAL CONSTRUCTION NOTES FOR THE PUBLIC WATER & SANITARY SEWER LINES.

## GENERAL NOTES

All construction methods and materials shall conform to the Construction Standards and Specifications of Roanoke County and/or the Virginia Department of Transportation.

The contractor or developer is required to notify the Roanoke County 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
- Setting curb and gutter forms
- Placing curb and gutter
- Placing other concrete
- Placing gravel base
- Placing any roadway surface
- Installing water lines
- Installing sanitary sewer lines

A pre-construction conference shall be scheduled with the Roanoke County Engineering Division, to be held at least one (1) day prior to any construction.

Measures to control erosion and siltation must be provided prior to beginning construction. Plan approval in no way relieves the developer or contractor of the responsibilities contained within the erosion and siltation control policies.

A permit must be obtained from the V.D.O.T. Salem Residency Office, prior to beginning construction in the highway right-of-way.

Plan approval does not guarantee issuance of any permits by V.D.O.T.

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.

All unsuitable material shall be removed from the construction limits of the roadway before placing embankment.

Pavement sections on approved plans are based on a minimum CBR of 10. CBR tests are to be performed by a soil engineer and submitted to V.D.O.T. and to the Roanoke County Engineering Division prior to placement of the base course. CBR values < 10 will require revised pavement sections.

All springs shall be capped and piped to the nearest storm sewer or natural watercourse. The pipe shall be 6 inch minimum diameter and conform to V.D.O.T. Standard SB-1.

Standard street and traffic control signs shall be erected at each intersection by the developer prior to final street acceptance.

Construction debris shall be containerized 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 them that all grading and installation shall conform to approved plans.

Contractors shall notify utilities of proposed construction at least two (2), but not more than ten (10) working days in advance. Area public utilities may be notified thru "Miss Utility": 1-800-552-7001.

The developer or contractor shall supply the County with correct As-Built plans before final acceptance of the public water and sanitary sewer extensions.

All work shall be subject to inspection by Roanoke County and/or V.D.O.T. inspectors.

Field corrections shall be approved by the Roanoke County Engineering Division prior to such construction.

Grade stakes shall be set for all curb and gutter, culvert, sanitary sewer and storm sewer.

Installation of all storm drain pipes and related pipe bedding and trench backfilling must conform to the 2001 VDOT Road & Bridge Standards.

Any new alignments, changes in grades, alternate pipe sizes or manholes will require a new set of plans stamped by the consulting engineer. County of Roanoke engineering division will review plans within one (1) day of submittal. Plan sheets can be 8.5"x11" if the information is legible.

Contractor shall refer to the County of Roanoke Standard Water & Sewer Regulations, 3rd Edition for construction details and installation methods as required to complete the proposed public facilities as indicated by these drawings.

## 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 PERFORMANCE OF THE CONTRACTS OR THE COMPLETION OR QUALITY OF PERFORMANCE OF CONTRACTS BY SUBCONTRACTORS OR OTHER THIRD PARTIES.

BOUNDARY SURVEY AND TOPOGRAPHICAL MAPPING WAS PROVIDED BY CALDWELL WHITE ASSOCIATES. FIELD WORK AND COMPILATION WAS PERFORMED IN 2001.

### SHEET #

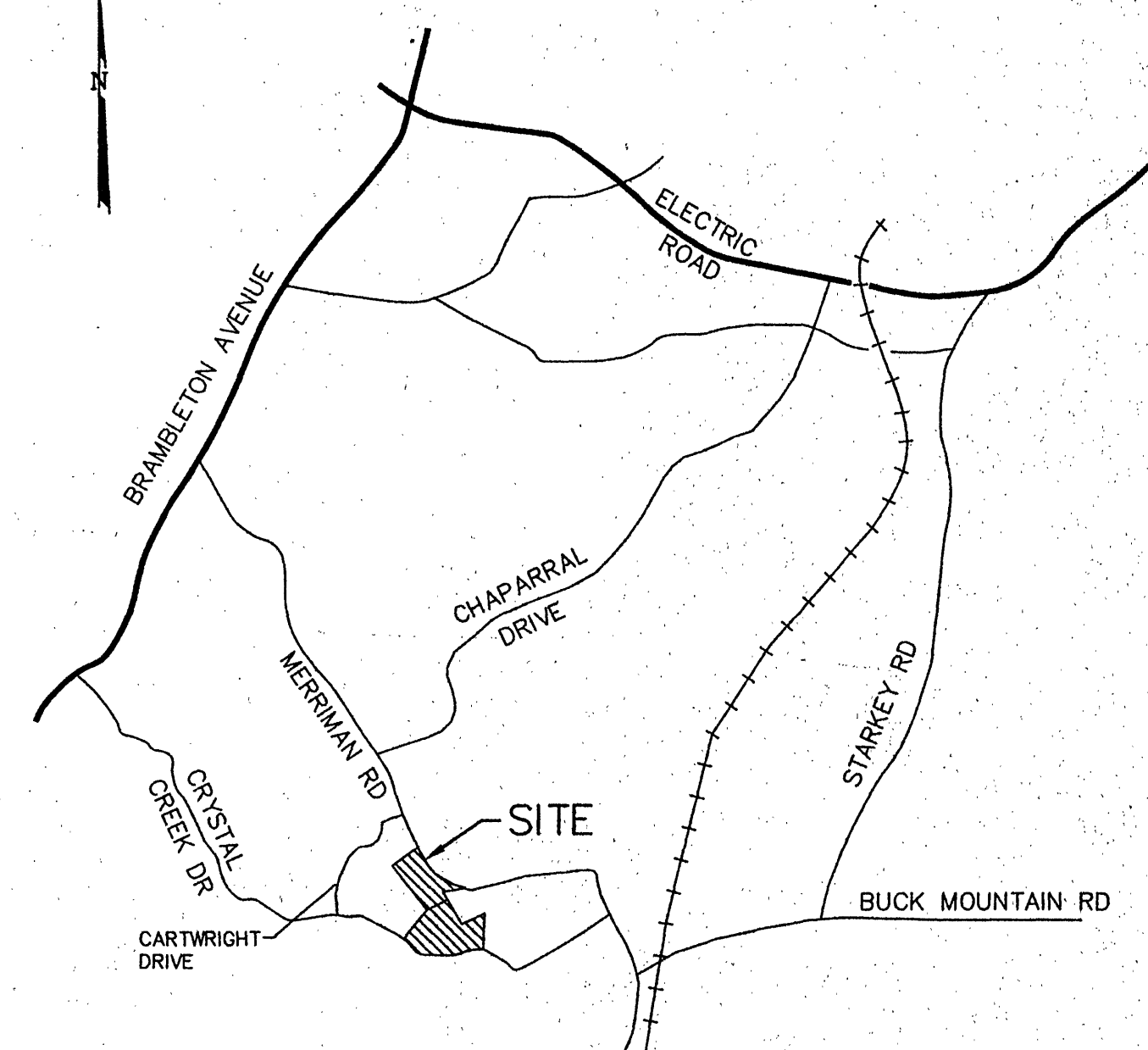
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## INDEX

### TITLE

COVER SHEET  
RECORD PLAT  
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RECORD PLAT  
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RECORD PLAT  
CONSTRUCTION DETAILS & NOTES  
DIMENSIONAL PLAN  
DIMENSIONAL PLAN  
GRADING & UTILITY PLAN  
GRADING & UTILITY PLAN  
ROAD & UTILITY PIPE PROFILES  
UTILITY PIPE PROFILES  
UTILITY PIPE PROFILES  
EROSION & SEDIMENT CONTROL PLAN  
EROSION & SEDIMENT CONTROL DETAILS  
CONSERVATION PLAN

## VICINITY MAP



NAME of  
DEVELOPMENT

SPEEDWELL

LOCATION

MERRIMAN ROAD, VA. SEC. RTE. 613  
ADJACENT TO "CHURCH OF HOLY SPIRIT"  
ROANOKE COUNTY, VIRGINIA

OWNER

FRED E. TAYLOR  
967 BRECKINRIDGE MILL ROAD  
FINCASTLE, VIRGINIA 24090

CONTRACTOR

SUBJECT TO BID

TAX MAP #(s)

87.17-6-11.3  
87.17-6-12  
97.05-1-27

### REVISIONS

No.	Date	Remarks	By
1	9/8/03	PER 1st REVIEW OF ROANOKE CO. and VDOT	J.J.
2	3/3/04	PER 2nd REVIEW OF ROANOKE CO.	J.J.
3	4/7/04	PER 3rd REVIEW OF ROANOKE CO.	J.J.

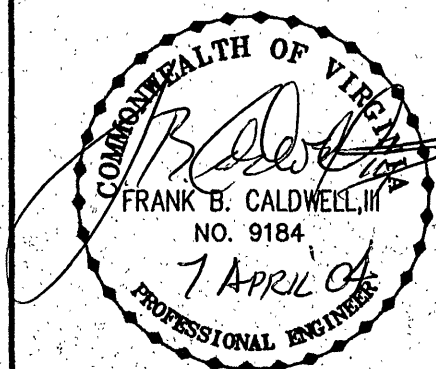
Designed:.....J.V.J.

Checked:.....F.B.C.

Date:.....Mar. 27, 2003

W.O. #.....01-0111

N.B. #.....Wes #12



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