

AB	ANCHOR BOLT	EXP	EXPANSION	PP	POWER POLE	EXISTING	NEW	DESCRIPTION	<p>VIRGINIA DEPARTMENT OF TRANSPORTATION NOTES:</p> <p>1. Quality Control</p> <p>All work done in the proposed, or existing right of way, including but not limited to street grading, street paving and all construction of all structural components, shall be done in accordance with current Virginia Department of Transportation Road and Bridge Standards and Specifications. All materials used shall be tested in accordance with VDOT standard policies. The developer shall contact the office of the resident engineer, prior to beginning any construction within the proposed or existing right of way. At that time, the resident engineer shall prepare an inspection and testing schedule. The developer will produce test reports from approved independent laboratories at the developer's expense.</p> <p>2. Utilities</p> <p>All necessary utility laterals along with provisions for conduits (i.e. water, sewer, storm, gas and telephone) will be constructed prior to placement of base material.</p> <p>Gas or petroleum transmission lines will not be permitted within the pavement or shoulder element (back curb to back of curb) of this development. Service laterals crossing and pipe lines located outside the pavement by inside the right-of-way will be constructed in conformity with ASA B 31.8 specifications and safety regulations. Distribution lines with pressures less than 120 lbs. are unaffected by the above.</p> <p>Permits will be required for all utilities within street right-of-way prior to acceptance into the secondary highway system. Any easements granted to a utility company for placement of power, telephone, etc. shall be released prior to acceptance.</p> <p>3. Private entrances</p> <p>Modified CG-9D gutter will be provided at all entrances to private lots where standard CG-6 curb and gutter is approved for use.</p> <p>Driveways connecting to roads without curb & gutter shall conform to the pavement, shoulder and slope.</p> <p>Permits will be required for all private entrances constructed on street rights-of way after acceptance into the secondary highway system.</p> <p>All private entrances within the right-of-way area should not exceed eight percent (8%) maximum grade.</p> <p>4. Erosion control and landscaping</p> <p>Care shall be taken during construction to prevent erosion, dust and mud from damaging adjacent property, clogging ditches, tracking public streets and other-wise creating a public or private nuisance to surrounding areas.</p> <p>The entire construction area including ditches, channels, back of curbs and/or pavement is to be backfilled and seeded at the earliest possible time after final grading.</p> <p>Drainage easements shall be defined by excavated ditches or channels for their full length to well defined existing natural watercourses.</p> <p>The road will be reviewed during construction for the need of paved ditches. If erosion is encountered in any 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.</p> <p>All vegetation and overburden to be removed from shoulder to shoulder prior to the conditioning (cutting and/or preparation) of the sub-grade.</p> <p>5. Intersection Pavement Radius</p> <p>Minimum pavement radius of 25 feet is required at all street intersections.</p> <p>6. Connections to State-Maintained Roads</p> <p>While these plans have been approved, such approval does not exempt connections with existing state-maintained roads from critical review at the time permit applications are made. This is necessary in order that the prevailing conditions be taken into consideration regarding safety accompaniments such as turning lanes.</p> <p>7. Guardrails</p> <p>Standard guardrail with safety end sections may be required on fills as deemed necessary by the resident engineer. After completion of rough grading operations, the office of the resident engineer, shall be notified so that a field review may be made of the proposed locations.</p> <p>Where guardrails are to be installed the shoulder width shall be increased in accordance with VDOT road and bridge standards.</p> <p>8. Storm Drainage</p> <p>Field review will be made during construction to determine the need and limits of paved ditches and/or ditch stabilization treatments, and to determine the need and limits of additional drainage easements. All drainage easements shall be cut and made to function to a natural watercourse. Any erosion problems encountered in an easement shall be corrected by whatever means necessary prior to subdivision acceptance.</p> <p>Ditch slopes are to be four to one (4:1) for shoulder widths of six feet (6') or greater and three to one (3:1) for shoulder widths of four feet (4') or five feet (5'), unless otherwise specified in the plans.</p> <p>9. Entrance Permit</p> <p>Contractor shall obtain entrance permit to the existing Virginia Department of Transportation's right-of-way resident engineer prior to road construction.</p> <p>10. Inspection</p> <p>An inspector will not be furnished except for periodic progress inspections, the above mentioned field reviews and checking for required stone depths. The developer will be required to post a surety to guarantee the road free of defects for one year after acceptance by the Department of Transportation.</p> <p>11. Street Maintenance</p> <p>The streets shall be properly maintained until acceptance. At such time as all requirements have been met for acceptance, another inspection will be made to determine that the street has been properly maintained.</p> <p>12. Underground Utilities</p> <p>Contractor shall verify location and elevation of all underground utilities shown on the plans in areas of construction prior to starting work by contacting Miss Utility. Contact site engineer immediately if location or elevations is different from that shown on the plans. If there appears to be a conflict, and upon discovery of any utility not shown on this plan, call "Miss Utility" of Central Virginia at 1-800-552-7001.</p> <p>13. Revisions of specifications and Standards</p> <p>Approval of these plans will be based on specifications and standards in effect at the time of approval and will be subject, until completion of the roadway and acceptance by the Department, to future revisions of the specifications and standards.</p> <p>14. Restrictive Covenant</p> <p>The street(s) serving the property described does not meet state standards and will not be maintained by the Department of Transportation or this county (or the municipality).</p> <p>Additionally, the street(s) will not be considered eligible for addition as an element of the secondary system of state highways until it is constructed to the standards of the current prevailing Subdivision Street Requirements or other applicable approved standard of the Virginia Department of Transportation, utilizing funds other than those administered by the Department of Transportation.</p>
ABAN	ABANDON OR ABANDONED	EXT	EXTERIOR	POT	POINT ON TANGENT			BUILDING WITH PORCH OR STOOP	
ABUT	ABUTMENT	FR	FRAME	PRC	POINT OF REVERSE CURVE			FOUNDATION ONLY	
ABV	ABOVE	FD	FLOOR DRAIN	PSI	POUNDS PER SQUARE INCH			CONTOUR, CONTOUR WITH ELEVATION	
ACT	ACOUSTICAL	FDN	FOUNDATION	PT	POINT OF TANGENT			SPOT ELEVATION	
ADD	ADDITIONAL	FES	FLARED END SECTION	PVC	POLYVINYL CHLORIDE			CONCRETE CURB	
ADJ	ADJACENT	FF	FINISH FLOOR	PVI	POINT OF VERTICAL INTERSECTION			CONCRETE CURB & GUTTER	
AFF	ABOVE FINISH FLOOR	FFE	FINISHED FLOOR ELEVATION	PVMT	PAVEMENT			CONCRETE WALK OR SLAB	
AGGR	AGGREGATE	FH	FIRE HYDRANT	PVT	PRIVATE			NEW GRAVEL PAVEMENT	
ALUM	ALUMINUM	FIG	FIGURE	R	RADIUS, RISER			TREE LINE	
ALT	ALTERNATE	FIN	FINISH	RAS	RETURN ACTIVATED SLUDGE			FENCE	
ANC	ANCHOR	FIXT	FIXTURE	RR	RAIL ROAD			CENTERLINE CREEK, SWALE OR DITCH	
APPROX	APPROXIMATE	FL	FLOOR	RCP	REINFORCED CONCRETE PIPE			PROPERTY LINE	
ARCH	ARCHITECTURAL	FLEX	FLEXIBLE	RD	ROOF DRAIN, ROAD			BASELINE	
AWWA	AMERICAN WATER WORKS ASSOCIATION	FLG	FLANGE	RDCR	REDUCER			CONSTRUCTION LIMITS	
AVG	AVERAGE	FT	FOOT	RECPT	RECEPTACLE			FIELD SURVEY TRAVERSE POINT	
BIT	BITUMINOUS	FTG	FOOTING	RECT	RECTANGULAR			P.C. OR P.T.	
BJ	BELL JOINT	FUT	FUTURE	REINF	REINFORCE, REINFORCEMENT			GEOLOGIC BORE HOLE	
BL	BASE LINE	GAL	GALLON	REF	REFERENCE			PROPOSED STORM DRAIN	
BEG	BEGIN OR BEGINNING	GALV	GALVANIZED	REL	RELOCATED			EXISTING STORM DRAIN	
BLDG	BUILDING	GAR	GARAGE	REQD	REQUIRED			SANITARY SEWER	
BLKG	BLOCKING	GND	GROUND	REV	REVISION			GAS MAIN OR SERVICE LINE	
BM	BENCH MARK, BEAM	GR	GRAVEL	RTE	ROUTE			WATER MAIN OR SERVICE LINE	
BOTT	BOTTOM	GOVT	GOVERNMENT	RT	RIGHT			ELECTRICAL LINE	
BP	BYPASS	GPM	GALLONS PER MINUTE	R/W	RIGHT OF WAY			UNDERGROUND ELECTRICAL LINE	
BRG	BEARING	GRTG	GRATING	S	SANITARY SEWER, SOUTH, SWITCH			PIPE FITTINGS	
BSMT	BASEMENT	GV	GAS VALVE	SAN	SANITARY			FIRE HYDRANT	
BV	BUTTERFLY VALVE	GW	GRAY WATER	SCH	SCHEDULE			WATER VALVE	
C	CHANNEL, COLD	H	HOT	SD	STORM DRAIN			CLEANOUT	
C/C, C TO C	CENTER TO CENTER	HB	HOSE BIBB	SECT	SECTION			MANHOLE	
CAB	CABINET	HK	HOOK	SER	SERVICE			DROP INLET (CURB AND GRATING TYPES)	
CAP	CAPACITY	HM	HOLLOW METAL	SH	SHEET			G.M. - GAS METER, W.M. - WATER METER	
CF	CUBIC FEET	HOR, HORIZ	HORIZONTAL	SHTG	SHEETING			TELEPHONE LINE	
CG	CHANGE OF GRADE	HP	HORSE POWER	SIM	SIMILAR			UNDERGROUND TELEPHONE LINE	
C & G, CC&G	CURB AND GUTTER , CONCRETE	HPT	HIGH POINT	SPEC	SPECIFICATION			TELEPHONE POLE, GUY AND ANCHOR	
CI	CAST IRON	HYD	HYDRANT	SP	SIGNAL POLE			POWER POLE, GUY AND ANCHOR	
CIRC	CIRCULAR	ID	INSIDE DIAMETER	SQ	SQUARE			LIGHT POLE	
CKT	CIRCUIT	IN	INCH	SS	STAINLESS STEEL			TELEPHONE PEDESTAL	
CL	CENTER LINE	INSUL	INSULATION	ST	STREET			BURIED TELEPHONE VAULT	
CLR	CLEAR	INV	INVERT	STA	STATION			HUB AND TACK	
CONST	CONSTRUCTION	IP	IRON PIN	STD	STANDARD			COORDINATE POINT	
COR	CORNER	JT	JOINT	STL	STEEL			REMOVE	
CMP	CORRUGATED METAL PIPE	JB	JUNCTION BOX	STRUCT	STRUCTURAL				
CMU	CONCRETE MASONRY UNITS	L	LENGTH, LONG	STY	STORY				
CND	CONDUIT	LF	LINEAL FOOT	SUR	SURVEY				
CO	CLEAN OUT	LG	LONG	SURF	SURFACE				
COMB	COMBINATION	LP	LIGHT POLE	S/W	SIDEWALK				
CONC	CONCRETE	LR	LONG RADIUS	SYMM	SYMMETRICAL				
CONN	CONNECT, CONNECTION	LT	LEFT	T	TREAD, TOP				
CONT	CONTINUOUS, CONTROL	LTG	LIGHTING	T & B	TOP AND BOTTOM				
CONTR	CONTRACTOR	MACH	MACHINERY	TDC	TURNED DOWN CURB				
CP	COORDINATE POINT	MAS	MASONRY	TELE	TELEPHONE				
CR STONE	CRUSHED STONE	MATL	MATERIAL	TEMP	TEMPORARY				
CSW	CONCRETE SIDEWALK	MAX	MAXIMUM	THK	THICK				
CTR	CENTER	MB	MAILBOX	TP	TELEPHONE POLE				
CULV	CULVERT	MECH	MECHANICAL	TRTD	TREATED				
CY	CUBIC YARD	MFR	MANUFACTURER	TS	TOP OF SLAB				
D	DEPTH OR DEGREE OF CURVE	MH	MANHOLE, MOUNTING HEIGHT	TV	TELEVISION				
DEPT	DEPARTMENT	MIN	MINIMUM	TW	TOP OF WALL				
DF	DRINKING FOUNTAIN	MISC	MISCELLANEOUS	TYP	TYPICAL				
DI	DROP INLET, DUCTILE IRON	MJ	MECHANICAL JOINT	UC	UNDERGROUND COMMUNICATIONS				
DIA	DIAMETER	MO	MASONRY OPENING	UCTBANK	DUCTBANK				
DIM	DIMENSION	MON	MONUMENT	UG	UNDERGROUND				
DISC	DISCONNECT	MTD	MOUNTED	UN	UNLESS OTHERWISE NOTED				
DMH	DROP MANHOLE	MTG	MOUNTING	UNON	UNITED STATES COAST AND				
DN	DOWN	MTL	METAL	U.S.C.&G.S.	UNITED STATES COAST AND				
DR	DRIVE	MV	MUD VALVE	USGS	UNITED STATES GEOLOGICAL				
DS	DOWN SPOUT	N & C	NAIL AND CAP		SURVEY				
DTL	DETAIL	NIC	NOT IN CONTRACT	V, VAL	VALVE				
DW,D/W	DRIVEWAY	NO	NUMBER	VAP BAR	VAPOR BARRIER				
DWL	DWELLING	NTS	NOT TO SCALE	VC	VERTICAL CURVE				
DWG	DRAWING	OC	ON CENTERS	VERT	VERTICAL				
E	EAST	OD	OUTSIDE DIAMETER	VOL	VOLUME				
EA	EACH	OPER	OPERATOR	VDOT	VIRGINIA DEPARTMENT				
E.B.L.	EASTBOUND LANE	OPNG	OPENING		OF TRANSPORTATION				
EF	EACH FACE	OPP	OPPOSITE	V.S.D.	VERTICAL SIGHT DISTANCE				
EJ	EXPANSION JOINT	PB	PAPER BOX	W.B.L.	WEST BOUND LANE				
EL, ELEV	ELEVATION	PC	POINT OF CURVE	W	WIDE FLANGE, WIDE				
ELEC	ELECTRICAL	PCC	POINT OF COMPOUND	W/	WITH				
ENGR	ENGINEER	PER	PERIMETER	WD	WOOD				
ENTR	ENTRANCE	PERF	PERFORATED	WL	WATER LINE				
EOL	END OF LINE	PERP	PERPENDICULAR	W/O	WITHOUT				
EP	EDGE OF PAVEMENT	PI	POINT OF INTERSECTION	WS	WATER SURFACE				
EQ	EQUAL	PIV	POST INDICATOR VALVE	WT	WATERTIGHT, WEIGHT				
EQPT	EQUIPMENT	PL	PLATE, PROPERTY LINE	WVDH	WEST VIRGINIA DEPARTMENT				
EW	EACH WAY, ENDWALL	PLYWD	PLYWOOD		OF HIGHWAYS				
EXIST	EXISTING	POL	POINT ON LINE	WWF	WELDED WIRE FABRIC				

GENERAL NOTES	
1. THE LOCATION OF EXISTING UTILITIES, INCLUDING UNDERGROUND UTILITIES, IS INDICATED ON THE DRAWINGS INSOFAR AS THEIR EXISTENCE AND LOCATION WERE KNOWN AT THE TIME OF PREPARATION OF THE DRAWINGS. HOWEVER, NOTHING IN THESE CONTRACT DOCUMENTS SHALL BE CONSTRUED AS A GUARANTEE THAT SUCH UTILITIES ARE IN THE LOCATION INDICATED OR THAT THEY ACTUALLY EXIST, OR THAT OTHER UTILITIES ARE NOT WITHIN THE AREA OF OPERATIONS. THE CONTRACTOR SHALL MAKE ALL NECESSARY INVESTIGATIONS TO DETERMINE THE EXISTENCE AND LOCATIONS OF SUCH UTILITIES. THE CONTRACTOR SHALL PAY FOR ANY DAMAGE TO AND FOR MAINTENANCE AND PROTECTION OF EXISTING UTILITIES AND STRUCTURES. EXISTING WATERLINE LOCATIONS ARE APPROXIMATE AND CONTRACTOR SHALL ADJUST WATERLINE AND SANITARY SEWER LINE TO SUIT FIELD VERIFIED LOCATIONS.	
2. THE CONTRACTOR IS DIRECTED TO DIG AND LOCATE ALL UTILITIES, IN ADVANCE OF THE PIPELAYING, TO ALLOW FOR ADJUSTMENTS, DUE TO CONFLICTS WITH THE UTILITIES, IN THE HORIZONTAL AND VERTICAL LOCATION OF THE PIPE LINE.	
3. SURVEY INFORMATION BASED UPON FIELD SURVEY PERFORMED BY MATTERN & CRAIG IN 2004. A BOUNDARY SURVEY WAS NOT PERFORMED.	
4. BENCH MARKS ARE AS NOTED ON DRAWINGS.	
5. ALL WORK IN THESE DRAWINGS ARE BASE BID WORK UNLESS NOTED SPECIFICALLY OTHERWISE.	

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Sheet No.:	2

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