

RECEIVED
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1. EROSION AND SEDIMENT CONTROL MEASURES SHOWN ARE TO BE USED FOR ROADWAY CONJUNCTION WITH THE EROSION AND SEDIMENT CONTROL NARRATIVE APPROVED FOR THIS PLAN. THE NARRATIVE INCLUDES ADDITIONAL BUILDING AND DEVELOPMENT MEASURES SUCH AS DUST CONTROL, TEMPORARY SEEDING, PERMANENT SEEDING AND MULCHING.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING POSITIVE DRAINAGE FROM ALL AREAS OF THE SITE.

3. EXCAVATION IS UNCLASSIFIED.

STANDARD EROSION & SEDIMENT CONTROL NOTES:

ES-1: UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS VR 625-02-00 EROSION AND SEDIMENT CONTROL REGULATIONS.

MS-1 PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TRENCHES, EROSION CONTROL AND SEDIMENT TRAPPING SHALL BE COMPLETED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR.

MS-2 DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE PROTECTION AND STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.

MS-3 A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. SEEDING VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT IS UNIFORM, MATURE ENOUGH TO SURVIVE, AND WILL INHIBIT EROSION.

MS-4 SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS, AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND DISTURBING ACTIVITY, AND SHALL BE MADE FUNCTIONAL BEFORE UPOUSLOPE LAND DISTURBANCE TAKES PLACE.

MS-16 UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:

- A. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
- B. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
- C. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE "PROPERTY".
- D. MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION.
- F. RESTABILITATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS.
- F. APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.

MS-3 WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY VEHICULAR TRAVELING ONTO THE PAVED SURFACE. WHERE DISPERSED FROM AN ONTO A PUBLIC ROAD, THE SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL SUBDIVISION LOTS AS WELL AS TO LARGER LAND-DISTURBING ACTIVITIES.

- ES-2: THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- ES-3: ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING.
- ES-4: A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- ES-5: PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.
- ES-6: THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.
- ES-7: ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
- ES-8: DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVE.
- ES-9: THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.

WE, MADISON FIELD INC., IDENTIFY _____, (CERT/REG No _____)
AS THE INDIVIDUAL IN CHARGE OF AND RESPONSIBLE FOR LAND DISTURBING
ACTIVITIES ASSOCIATED WITH THIS EROSION AND SEDIMENT CONTROL PLAN. WE
AGREE TO NOTIFY THE CITY OF ROANOKE IN WRITING SHOULD WE TRANSFER THIS
RESPONSIBILITY TO ANOTHER CERTIFIED INDIVIDUAL BEFORE THE COMPLETION OF
THIS PROJECT AND THE RELEASE OF THE EROSION AND SEDIMENT CONTROL
BOND.

MANAGING MEMBER DATE


DEVELOPMENT PLAN APPROVED		Date
AGENT	Agent, Planning Commission	4/6/07
CITY OF	Development Engineer	4/6/07
PLANNING	City Administrator	DATE
COMMISSION		4/7/07

Any changes to this approved plan must be coordinated with the Agent in the Planning Commission and revisions approved prior to construction.

CITY ENGINEER _____ DATE _____
CITY OF ROANOKE VIRGINIA

COMMONWEALTH OF VIRGINIA
MICHAEL G. GAY
No. 17560
4/3/07
PROFESSIONAL ENGINEER

Date: 12/21/06
Scale: 1" = 30'
Revisions: 2/15/07
3/20/07

Drawn By: PLJ
Review By: 
Project No. 1647.1

[illegible]

1

Received
WWWA - Engineer

19 MAY 03 20

<u>SHEET</u>	<u>TITLE</u>
1 OF 12	COVER SHEET & GENERAL NOTES
2 OF 12	EXISTING SITE CONDITIONS
3 OF 12	EROSION CONTROL
4 OF 12	PROPOSED SITE IMPROVEMENTS
5 OF 12	UTILITY PROFILES
6 OF 12	DETAILS
7 OF 12	WESTERN VIRGINIA WATER AUTHORITY DETAILS
L-1 OF 12	TREE PROTECTION PLAN
L-2.1 OF 12	OVERALL PLANTING PLAN
L-2.2 OF 12	GARDEN PLANTING PLAN
L-3.1 OF 12	LANDSCAPE DETAILS
L-3.2 OF 12	LANDSCAPE DETAILS

NOTICE: ALL LANDOWNERS, DEVELOPERS, AND CONTRACTORS
FAILURE TO COMPLY WITH THE CONSTRUCTION PROCEDURE
REQUIREMENTS LISTED BELOW MAY RESULT IN THE COSTLY REMOVAL OF
STRUCTURES, TIME DELAYS, OR THE ISSUANCE OF A STOP WORK ORDER.

1. CITY INSPECTIONS: TO INSURE THE COORDINATION OF TIMELY AND PROPER INSPECTIONS, A PRECONSTRUCTION CONFERENCE SHALL BE INITIATED BY THE APPLICANT, BUILDING, ETC. WITH THE DEVELOPMENT INSPECTOR. CALL (540) 853-1227 TO ARRANGE A CONFERENCE AT LEAST THREE (3) DAYS PRIOR TO ANTICIPATED CONSTRUCTION.

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

3. LAND DISTURBANCE PERMIT: AN APPROVED EROSION AND SEDIMENT CONTROL PLAN FOR ANY BORROW/FILL SITES ASSOCIATED WITH THE PROJECT MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A LAND DISTURBANCE PERMIT.

4. PLANS AND PERMITS: A COPY OF THE PLANS APPROVED BY THE CITY (SIGNED BY THE PROPER CITY OFFICIALS) AND ALL PERMITS ISSUED BY THE CITY SHALL BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES OF ONGOING CONSTRUCTION.

5. LOCATION OF UTILITIES: THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.

6. **CONSTRUCTION ENTRANCE:** THE CONTRACTOR SHALL INSTALL AN ADEQUATE CONSTRUCTION ENTRANCE FOR ALL CONSTRUCTION RELATED EGRESS FROM THE SITE. SIZE AND COMPOSITION OF CONSTRUCTION ENTRANCE SHALL BE AS SHOWN ON THE PLANS.

7. **STREETS TO REMAIN CLEAN:** IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT THE PUBLIC STREET ADJACENT TO THE CONSTRUCTION ENTRANCE REMAINS FREE OF ALL DIRT

DUST, AND/OR ANY TYPE OF CONSTRUCTION MATERIALS OR LITTER
AT ALL TIMES.

8. ~~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.

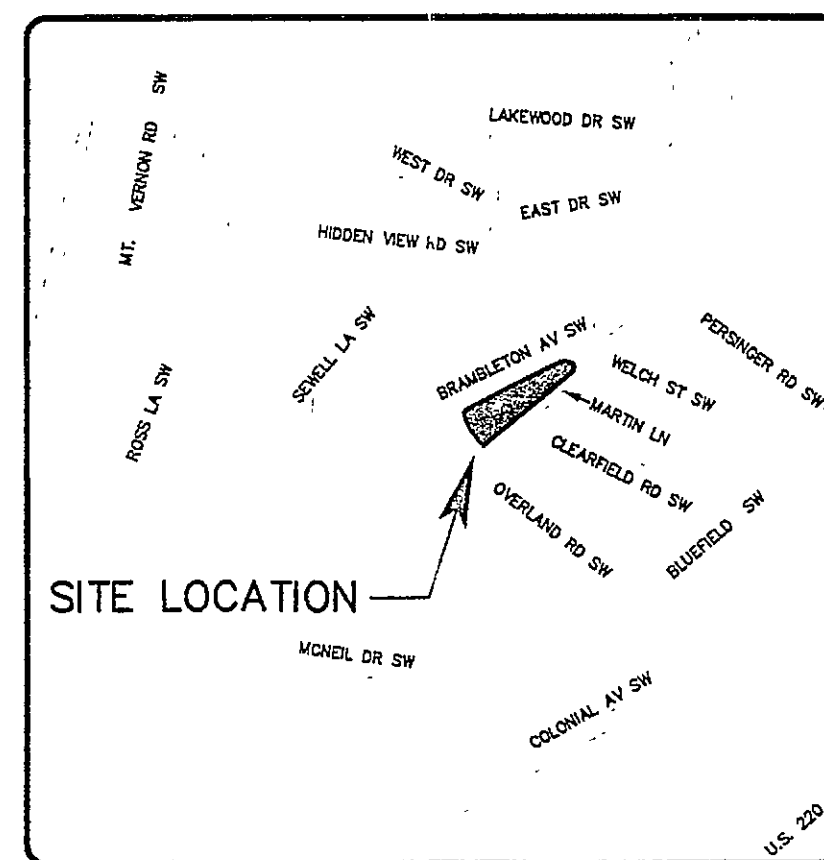
9. SEWER AND PAVEMENT REPLACEMENT: CONSTRUCTION OF SANITARY SEWERS AND THE REPLACEMENT OF PAVEMENT SHALL BE IN ACCORDANCE WITH APPROVED STANDARDS AND SPECIFICATIONS OF THE CITY OF ROANOKE AND THE WESTERN VIRGINIA WATER AUTHORITY.

10. APPROVED PLANS/CONSTRUCTION CHANGES: ANY CHANGE OR VARIATION FROM CONSTRUCTION DESIGN AS SHOWN ON THE OFFICIALLY APPROVED PLANS SHALL BE APPROVED BY THE EROSION AND SEDIMENT CONTROL AGENT PRIOR TO SAID CHANGES OR VARIATION IN CONSTRUCTION BEING MADE.

11. FINAL ACCEPTANCE/CITY: THE OWNER OR DEVELOPER SHALL FURNISH THE CITY OF ROANOKE'S PLANNING BUILDING AND DEVELOPMENT DEPARTMENT WITH A FINAL CORRECT SET OF AS-BUILT PLANS PRIOR TO FINAL ACCEPTANCE BY THE CITY.

1. THE CONTRACTOR SHALL CONTACT THE UTILITY DEPARTMENT AT 853-5700 AT LEAST 3 DAYS PRIOR TO REQUIREING ACTUAL CONNECTIONS.
2. THE CONTRACTOR SHALL INSTALL ALL SANITARY SEWER LATERALS.
3. THE CONTRACTOR SHALL PROVIDE THE TAPPING SLEEVE AND VALVE FOR THE WATER MAIN CONNECTION. THE UTILITY DEPARTMENT SHALL PERFORM ALL ACTUAL CONNECTIONS. THE CONTRACTOR SHALL PROVIDE ALL WATERLINES, LATERALS AND METER BOXES. THE PAVEMENT REMOVAL, REPLACEMENT, TRENCHING SHORING, AND TRAFFIC CONTROL MEASURES AND PERMITS. METER BOX SHALL SIT ON THE PROPERTY LINE. CITY WILL PROVIDE METER.

1. A MINIMUM COVER OF THREE (3) FEET IS REQUIRED OVER PROPOSED LINES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING ALL MANHOLES AFTER PAVING. MANHOLE TOPS SHALL BE ADJUSTED TO GRADE IF NECESSARY.
3. 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.
4. LATERAL FROM SEWER MAIN SHALL BE P.V.C. OR DUCTILE IRON OF SUFFICIENT LENGTH TO PROVIDE TWO (2) FEET OF BEARING ON NATURAL GROUND. THE TRANSITION FROM DUCTILE IRON OR CONCRETE PIPE SHALL BE MADE WITH AN ADAPTER COUPLING IN THE RIGHT-OF-WAY.
5. ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHTS-OF-WAY SHALL BE COVERED ACCORDING TO WESTERN VIRGINIA WATER AUTHORITY STANDARDS.
6. LINES SHALL BE STAKED PRIOR TO CONSTRUCTION.
7. THE CONTRACTOR SHALL COORDINATE WITH THE WESTERN VIRGINIA WATER AUTHORITY FOR THE CONNECTION TO THE EXISTING PUBLIC SEWER LINES.
8. CONTINUOUS BYPASS PUMPING, AS PER SECTION 200 OF THE WESTERN VIRGINIA WATER AUTHORITY STANDARDS, SHALL BE REQUIRED DURING INSTALLATION OF THE SEWERAGE MAIN.



VICINITY MAP: NTS

	PROPERTY LINE		TELE PED		EXISTING TELEPHONE PEDESTAL
	2100 EXISTING 2' CONTOURS		GV		EXISTING GAS VALVE
	1200 PROPOSED 2' CONTOURS		GM		EXISTING GAS METER
	90.55 EXISTING SPOT ELEVATION		LP		EXISTING LIGHT POLE
	80.56 PROPOSED SPOT ELEVATION				EXISTING WELL
	80.56 PROPOSED TOP CURB ELEVATION				DRILL HOLE
	80.05 PROPOSED BOTTOM CURB ELEVATION				EXISTING FIRE HYDRANT
	EXISTING SANITARY SEWER				PROPOSED FIRE HYDRANT
	EXISTING SANITARY SEWER		WV		EXISTING WATER VALVE
	6"W EXISTING WATERLINE				PROPOSED WATER VALVE
	PROPOSED WATERLINE		WM		EXISTING WATER METER
	24" EXISTING STORM SEWER				PROPOSED WATER METER
	PROPOSED STORM SEWER		CO		EXISTING SEWER CLEANOUT
	EXISTING EDGE OF PAVEMENT				PROPOSED SEWER CLEANOUT
	PROPOSED PAVEMENT		SMH		EXISTING SEWER MANHOLE
	PROPOSED GRAVEL				PROPOSED SEWER MANHOLE
	PROPOSED CONCRETE/SIDEWALK				EXISTING SHRUB
	EXISTING BUILDING				EXISTING TREE
	PROPOSED BUILDING				PROPOSED TREE
	OHE EXISTING OVERHEAD ELECTRIC				EXISTING SIGN
	UGE EXISTING BURIED ELECTRIC				PROPOSED SIGN
	TV EXISTING BURIED CABLE TV LINE		TP		BORE HOLE/TEST PIT
	G EXISTING GAS LINE				CONTROL POINT
	TEL EXISTING BURIED TELEPHONE LINE		IRF		IRON ROD FOUND
	EXISTING FENCE LINE		IRS		IRON ROD SET
	EXISTING TREELINE				PROPERTY CORNER
	BENCHMARK LOCATION		FP		FENCE POST
	U.P. EXISTING UTILITY POLE				TO BE REMOVED
	EXISTING GUY WIRE				
	VDOT STD. GR-2				
	VDOT STD. GR-9 END TREATMENT				

A/C	AT	AIR CONDITIONER	M	METER
AC	ACRE(S)	ACRE(S)	M.B.L.	MINIMUM BUILDING LINE
ALT.	ALTERNATE		MAC	MAGISTERIAL
APPROX.	APPROXIMATE		MAH	MAXIMUM
AVG.	AVERAGE		MB	MAIL BOX
B.M.	BENCHMARK		MM	MANHOLE
B.L.V.D.	BOTTOM OF CURB		MI	MILE
BLVD.	BOULEVARD		MIN.	MINIMUM
BW	BASIN		MON.	MONUMENT
C.F.	CUBIC FEET		N.L.C.	NOT IN CONTRACT
C.F.I.	CURB INLET		N.S.	NORFOLK & SOUTHERN
C.M.U.	CONCRETE MASONRY UNIT		N/E	NOW OR FORMERLY
C.V.	CHECK VALVE		NB	NORTHBOUND LANE
C.V.	CURB YARD		NO./#	NUMBER
CAL	CALIPER		NRV	NEW RIVER VALLEY
C.B.T.V.	CABLE TELEVISION		O.D.	OUTSIDE DIAMETER
CHD	CHORD		O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
CMP	CORRUGATED METAL PIPE		OH	OVERHEAD
CO	CLEAN		OE	OVERHEAD ELECTRIC
CO	CONCRETE		OHE	OVERHEAD POWER
CONG.	CONCRETE		OP	PLAY BOOK
CRK.	CREEK		P.U.	PUBLIC UTILITY
D.B.	DEED BOOK		P.U. & D.E.	PUBLIC UTILITY AND DRAINAGE EASEMENT
D.B.	DRAINAGE EASEMENT		P.U.E.	PUBLIC UTILITY EASEMENT
D.I.	DROP INLET		P.E.	POLYETHYLENE
D.I.P.	DRAIN IRON PIPE		PE	PEDESTAL
D.S.	DRAIN SPOUT		P.I.V.	POST INDICATOR VALVE
DECID.	DECIDUOUS		P.	PAGE
DEG	DIGREES		PROPP.	PROPOSED
DET.	DETAIL		PSI	POUNDS PER SQUARE INCH
DPC	DRAINFIELD CORNER		PVC	POLYVINYLCHLORIDE
D.P.C.	DRAIN INLET		P.V.M.T	PAVED
DIA.	DIAMETER		R	RADIUS
DIS.	DISTRICT		R.R.	RAILROAD
DRG.	DRAWING		R.O.W.	RIGHT-OF-WAY
DWG.	DRAWING		RCP	REINFORCED CONCRETE PIPE
DWG.	DRAWING		ROAD	ROAD
E.G.	EDGE OF GRAVEL		REF.	REFERENCE
E.G.	EDGE OF PAVEMENT		REQ'D	REQUIRED
E.A.	EACH		RETAIN.	RETAINING
EBL	EASTBOUND LANE		R.E.V.	REVISION
ELV.	ELEVATION		ROUTE	ROUTE
EOW	EDGE OF WATER		R.W.Y.	RAILWAY
ESMT.	EASEMENT		S.D.	STORM DRAIN
EVG.	EVERGREEN		S.D.M.H	STORM DRAIN MANHOLE
EXIST.	EXISTING		S.F.	SQUARE FEET
EXT.	EXTENSION		SBL	SUBSURFACE BOUND LANE
F.E.M.A.	FEDERAL EMERGENCY MANAGEMENT		SCH.	SCHEDULE
F.H.	FIRE HYDRANT		SHT.	SHEET
F.I.R.M.	FLOOD INSURANCE RATE MAP		SPEC.	SPECIFICATION
F/L	FLOW LINE		SPTK	SEPTIC TANK
FND	FOUND		SSEW	SEWAGE
FR	FRAME		STRE	STREET
FT.	FOOT		STA.	STATION
G.M.	GAS METER		STD.	STANDARD
GLM	GAS LINE MARKER		STY.	STORY
GN	GALVANEZING		STM	STORMWATER MANAGEMENT
G.V.	GATE AND NEEL INC.		(T)	STORMWATER MANAGEMENT FACILITY
GPI	GALLONS PER MINUTE		TOP	TOP OF CURB/CONCRETE
GRAV.	GRAVEL		TOP	TERRA COTTA PIPE
GRD	GROUND		TDS	TURNUD DOWN SIDEWALK
HRP	HIGH POINT		TELPH	TELEPHONE
H.U.C.	HOUSING AND URBAN DEVELOPMENT		TOB	TOP OF BLOKE
H/C	HANDICAPPED		TOB	TOP OF SLOPE
HCR	HANDICAPPED RAMP		TOS	TOP OF BANK
HDPE	HIGH DENSITY POLYETHYLENE PIPE		TYP.	TYPICAL
HDR	HANDRAIL		U.G.	UNDERGROUND
HW	HEADWALL		U.P.	UTILITY POLE
HYD.	HYDRANT		U.S.	UNITED STATES
ID	INCH DIAMETER		VA.	VIRGINIA
INSTR.	INCH		V.DH	VIRGINIA DEPARTMENT OF HIGHWAYS
INT.	INTERSECTION		VDOT	VIRGINIA DEPARTMENT OF TRANSPORTATION
INV.	INVERT		W.B.F.	WELDED WIRE FABRIC
Inv.	INVERT		W.F.	WELDED WIRE FABRIC
Nv	INVERT		WTL	WESTBOUND LANE
Nvout	INVERT OUT		WM	WATER METER
L.F.	LINEAR FOOT		WY	WATER YATK
L.P.	LOW POINT		WV	WATER VALVE
L.P.C.	LOW POINT		WV	WATER VALVE
LS.	FOUND		WV	WATER VALVE
			WFM	WATER METER