ALL NECESSARY UTILITY LATERALS ALONG WITH PROVISIONS FOR CONDUITS (I.E. WATER, SEWER, STORM, GAS AND TELEPHONE) WILL BE GAS OR PETROLEUM TRANSMISSION LINES WILL NOT BE PERMITTED WITHIN THE PAVEMENT OR SHOULDER ELEMENT (BACK OF CURB TO BACK

PERMITS WILL BE REQUIRED FOR ALL UTILITIES WITHIN STREET RIGHT OF WAY PRIOR TO ACCEPTANCE INTO THE SECONDARY HIGHWAY SYSTEM.

PRIVATE ENTRANCES

HIGHWAY SYSTEM

MODIFIED CG-9D GUTTER WILL BE PROVIDED AT ALL ENTRANCES TO PRIVATE LOTS WHERE STANDARD CG-6 CURB AND GUTTER IS APPROVED FOR

DRIVEWAYS CONNECTING TO ROADS WITHOUT CURB & GUTTER SHALL CONFORM TO THE PAVEMENT, SHOULDER & SLOPE. PERMITS WILL BE REQUIRED FOR ALL PRIVATE ENTRANCES CONSTRUCTED ON STREET RIGHTS OF WAY AFTER ACCEPTANCE INTO THE SECONDARY

EROSION CONTROL AND LANDSCAPING

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 INCLUDING DITCHES, CHANNELS, BACK OF CURBS AND OR PAVEMENT ARE TO BE BACKFILLED AND SEEDED AT THE EARLIEST POSSIBLE TIME AFTER FINAL GRADING.

DRAINAGE EASEMENTS MUST BE DEFINED BY EXCAVATED DITCHES OR CHANNELS FOR THEIR FULL LENGTH TO WELL DEFINED EXISTING NATURAL WATERCOURSES

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.

ALL VEGETATION AND OVERBURDEN TO BE REMOVED FROM SHOULDER TO SHOULDER PRIOR TO THE CONDITIONING (CUTTING AND/OR PREPARATION) OF THE SUBGRADE.

INTERSECTION PAVEMENT RADIUS

MINIMUM PAVEMENT RADIUS OF 25 FEET IS REQUIRED AT ALL STREET INTERSECTION.

CONNECTIONS TO STATE-MAINTAINED ROADS

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

GUARDRAILS

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.

WHERE GUARDRAILS ARE TO BE INSTALLED THE SHOULDER WIDTH SHALL BE INCREASED IN ACCORDANCE WITH VDOT ROAD AND BRIDGE STANDARDS

STORM DRAINAGE

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 MUST BE CUT AND MADE TO FUNCTION TO A NATURAL WATERCOURSE ANY EROSION PROBLEMS ENCOUNTERED IN AN EASEMENT MUST BE CORRECTED BY WHATEVER MEANS NECESSARY PRIOR TO SUBDIVISION ACCEPTANCE

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

ENTRANCE PERMIT

CONTRACTOR SHALL OBTAIN ENTRANCE PERMIT TO THE EXISTING VIRGINIA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY FROM RESIDENT ENGINEER PRIOR TO ROAD CONSTRUCTION.

10. INSPECTION

AN INSPECTOR WILL NOT BE FURNISHED EXCEPT FOR PERIODIC PROGRESS INSPECTION, 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.

11. STREET MAINTENANCE

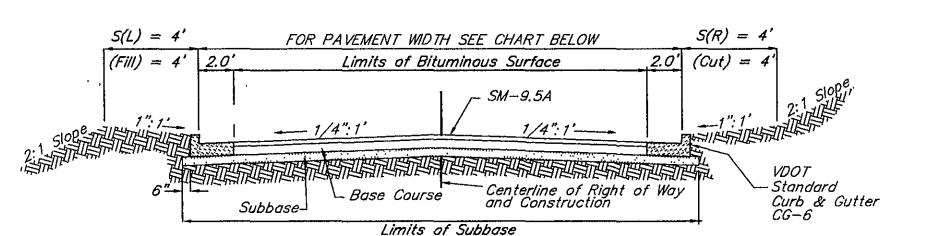
THE STREETS MUST BE PROPERLY MAINTAINED UNTIL ACCEPTANCE AT SUCH TIME AS ALL REQUIREMENTS HAVE BEEN MET FOR ACCEPTANCE, ANOTHER INSPECTION WILL BE MADE TO DETERMINE THAT THE STREET HAS BEEN PROPERLY MAINTAINED.

12. UNDERGROUND UTILITIES

CONTRACTOR SHALL VERIFTY 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 ELEVATION 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

13. REVISIONS OF SPECIFICATIONS AND STANDARDS

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.

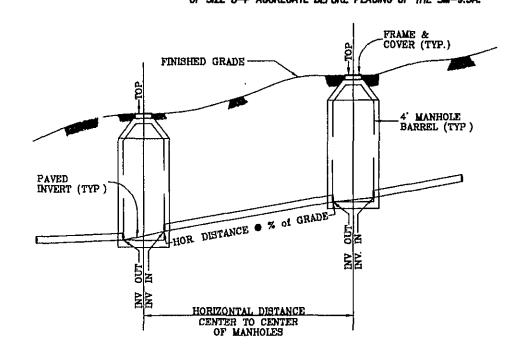


TYPICAL STREET SECTION

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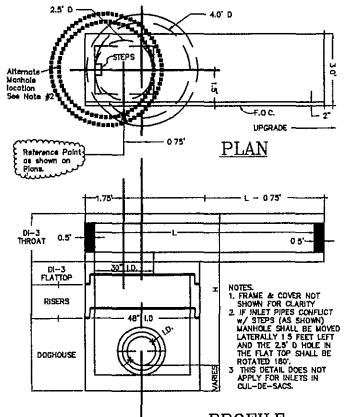
PAVEMENT SPECIFICATIONS			
STREET NAME	FROM STATION TO STATION	PAVEMENT WIDTH	PAVEMENT SPECIFICATION
VILLAGE CIRCLE	10+15.00 TO CUL-DE-SAC	28'	ASPH. CONCRETE, TYPE SM-9.5A (2") AGGREGATE SUBBASE, #21B (8")

NOTE: THE SIZE 21B AGGREGATE SHALL BE PRIMED WITH APPROXIMATELY 0.35 GAL/S.Y. OF CRS-2 ASPHALT AND COVERED WITH 18 TO 1 LBS/S.Y. OF SIZE 8-P AGGREGATE BEFORE PLACING OF THE SM-9.5A.

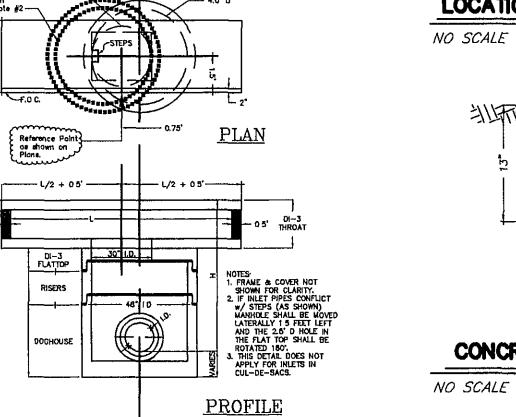


SANITARY SEWER HORIZONTAL AND SLOPE DISTANCE DETAIL

NO SCALE

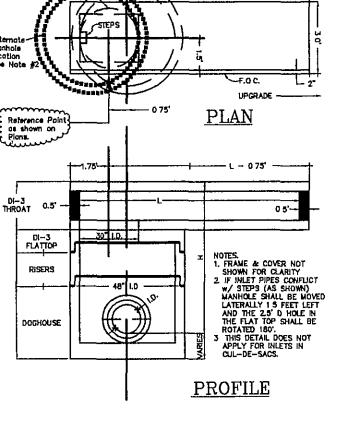


PROFILE

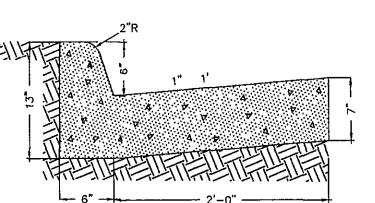


LOCATION DETAIL FOR DI-3A & 3C (PRECAST)

NO SCALE



LOCATION DETAIL FOR DI-3B (PRECAST)



CONCRETE TO BE CLASS A3 CONCRETE CURB AND GUTTER (CG-6)



SITE AND ZONING TABULATIONS

CURRENT ZONING: R-1 (ROANOKE COUNTY), R-1 (BOTETOURT COUNTY) PROPOSED USE: SINGLE FAMILY DETACHED DWELLINGS (ZERO LOT LINE OPTION - ROANOKE COUNTY) SITE ACREAGE: 9.469 ACRES

PROPOSED NUMBER OF LOTS: 30 MINIMUM LOT AREA REQUIRED: 5,760 S.F. (ROANOKE COUNTY)

MINIMUM FRONTAGE REQUIRED: 48' (ROANOKE COUNTY), 100' (BOTETOURT COUNTY) MINIMUM REQUIRED SETBACKS:

FRONT: 24' (ROANOKE COUNTY FOR INTERIOR LOTS), 30' (ROANOKE COUNTY ADJACENT TO PUBLIC STREET NOT IN DEVELOPMENT), 35' (BOTETOURT COUNTY) SIDE YARD: 10' FOR SIDE YARD OPPOSITE THE ZERO YARD.

15' (BOTETOURT COUNTY) REAR: 20' (ROANOKE COUNTY) 25' IF ADJACENT TO LOT OR PUBLIC RIGHT-OF-WAY NOT WITHIN THE DEVELOPMENT.

MAXIMUM HEIGHT ALLOWED: 45' (PRINCIPAL STRUCTURE - ROANOKE COUNTY) 35' (BUILDINGS AND STRUCTURES - BOTETOURT COUNTY) MAXIMUM BUILDING COVERAGE: 30% FOR LOTS OVER 7,200 SQUARE FEET 40% FOR LOTS LESS THAN 7,200 SQUARE FEET

PILOT CHANNEL

TYPE "A" DITCH

TYPE "B" DITCH

NO SCALE

NO SCALE

NO SCALE

NO SCALE

NO SCALE

10' MIN.

MAXIMUM LOT COVERAGE:

1. THE PROPERTY SHOWN ON THESE PLANS IS LOCATE AT ROANOKE COUNTY TAX ASSESSMENT MAP #28.00-01-03 AND BOTETOURT COUNTY TAX #107-1, #107-2 AND PART OF TAX#107-1A.

2. OWNER/DEVELOPER: VILLAGE AT STONEGATE, LLC P.O. BOX 616 DALEVILLE, VIRGINIA 24083

- 3. THE BOUNDARY IS THE DIRECT RESULT OF A FIELD SURVEY BY LUMSDEN ASSOCIATES, P.C. 4. TOPOGRAPHY DATA BASED A FIELD SURVEY PREPARED BY LUMSDEN ASSOCIATES, P.C. AND A SURVEY BY McMURRY SURVEYORS, INC..
- 5. NO TITLE REPORT WAS FURNISHED FOR THIS PROPERTY. 6. THE DEVELOPMENT SHOWN ON THESE PLANS SHALL BE SERVED BY ROANOKE COUNTY WATER AND
- ROANOKE COUNTY SEWER.
- 7. THE PROPERTY ON THESE PLANS SHALL BE ACCESSED BY PUBLIC ROADS.
- 8. PROPERTY AS SHOWN NOT LOCATED IN A F.E.M.A. DESIGNATED FLOOD PLAIN. 9. EXISTING BUILDING AND SHED TO BE REMOVED FROM PROPERTY.

GENERAL NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT COUNTY OF ROANOKE STANDARDS AND SPECIFICATIONS. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE OWNER AND THE ENGINEER OF ANY

- CHANGES OR CONDITIONS ATTACHED TO PERMITS OBTAINED FROM ANY AUTHORITY ISSUING PERMITS. 3. NO SUBSOIL INVESTIGATIONS HAVE BEEN MADE BY THE DESIGNING ENGINEER. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION. 4. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY EXISTING CONDITIONS PRIOR TO STARTING
- CONSTRUCTION. 5. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
- 6. ALL WATER CONNECTIONS TO EXISTING LINES SHALL BE COORDINATED WITH AND PRFORMED BY ROANOKE COUNTY UTILITY DEPARTMENT.
- 7. ALL SANITARYS SEWER CONNECTIONS TO EXISTING LINES SHALL BE PERFORMED BY THE CONTRACTOR WITH THE ROACKE COUNTY INSPECTOR ON SITE.
- 8. SEE VADOT ROAD AND BRIDGE STANDARDS FOR CONCRETE CURB AND STORM DRAINAGE DETAILS. 9. THE CONTRACTOR AND/OR OWNER SHALL PROVIDE A STORAGE CONTAINER FOR TEMPORARY STORAGE AND DISPOSAL OF LAND CLEARANCE DEBRIS AND BUILDING MATERIALS. ON—SITE BURIAL OF MATERIAL
- SHALL NOT BE PERMITTED. 10. SEE 2001 VDOT ROAD AND BRIDGE STANDARDS FOR PIPE CULVERTS AND STORM SEWERS PIPE BEDDING INSTALLATION.

GRADING NOTES

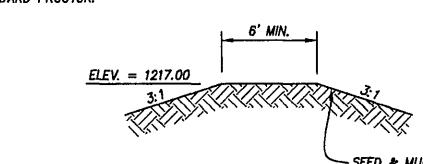
EC-II MATTING

TYPE "C" DITCH

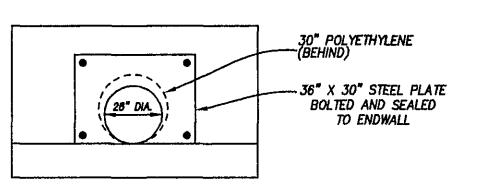
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W/ REINFORCEMENT MATTING

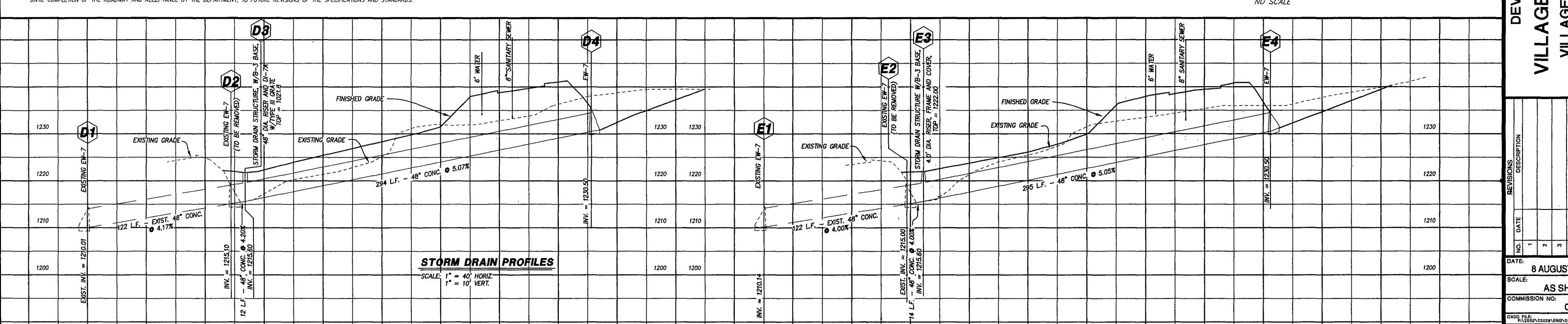
- 1. AREAS TO BE GRADED SHALL BE CLEARED OF ALL VEGETATION, STRUCTURES, AND OTHER PHYSICAL FEATURES IN PREPARATION OF GRADING.
- 2. TOPSOIL SHALL BE REMOVED FROM THE CLEARED AREA AND STOCKPILED FOR FUTURE USE.
- 3. FILL MATERIAL SHALL BE FREE FROM ORGANIC MATTER AND ROCKS LARGER THAN 6 INCHES IN DIAMETER. FILL MATERIAL SHALL BE PLACED AND COMPACTED IN 8 INCH LIFTS TO 95% MINIMUM DENSITY, STANDARD PROCTOR.

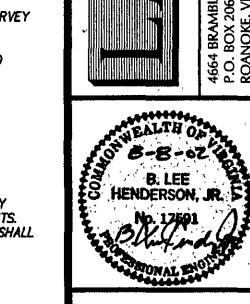


EMBANKMENT DETAIL STORAGE FACILITY NO SCALE



EW-1 W/RESTRICTOR PLATE NO SCALE





ASDEN ASSOCIATINEERS-SURVEYORS-POKE, VIRGINIA

LUMS ENGIN ROANC

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SHEET 4 OF 9