



SHOULDER AND DITCH ROADWAY SECTION

NO SCALE

NOTES:

1. ALL PUBLIC IMPROVEMENTS MUST BE WARRANTED AND BONDED FOR ONE YEAR FROM THE DATE OF ACCEPTANCE BY THE TOWN OF CHRISTIANSBURG IN ACCORDANCE WITH THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE. A REDUCED BOND AMOUNT SHALL BE MAINTAINED BY THE TOWN OF CHRISTIANSBURG FOR THE DURATION OF THE WARRANTY PERIOD.
2. SHOULD THE DEVELOPER, AT HIS OR HER OPTION, DIRECT PLACEMENT OF THE ASPHALT SURFACE COURSE DURING CONSTRUCTION, THE DEVELOPER IS HEREBY ADVISED THAT SURFACE ASPHALT DETERIORATION SUCH AS SETTLING, RUTTING, CRACKING OR BREAKING MAY OCCUR DURING THE CONSTRUCTION AND WARRANTY PERIOD. SHOULD SURFACE ASPHALT DETERIORATE, AT THE TOWN'S DIRECTION, SOME OR ALL OF THE ROAD MUST BE REPAIRED, MILLED IF NECESSARY, AND RESURFACED.
3. THE APPLICATION OF THE SURFACE COURSE MUST BE DELAYED UNTIL THE END OF THE CONSTRUCTION PERIOD. CONTRACTOR MUST REPAIR AREAS AS DIRECTED BY THE TOWN, THOROUGHLY CLEAN BASE ASPHALT COURSE, AND OBTAIN TOWN APPROVAL PRIOR TO PLACEMENT OF TACK COAT AND SURFACE COURSE. STREET SECTION MUST CONSIST OF THE FOLLOWING:
 - 1½" VDOT SM-9.5A ASPHALT SURFACE COURSE
 - 3" VDOT BM-25.0 ASPHALT BASE COURSE
 - 6" COMPACTED VDOT 21-A SUBBASE AGGREGATE ON A COMPACTED SUBGRADE
4. CONTRACTOR MUST CONTACT THE TOWN OF CHRISTIANSBURG FOR INSPECTION OF THE FOLLOWING:
 - A.) SUBGRADE PRIOR TO PLACEMENT OF AGGREGATE BASE OR SUBBASE COURSE. SUBGRADE MUST BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY OBTAINED IN ACCORDANCE WITH ASTM D-698, STANDARD PROCTOR METHOD.
 - B.) AGGREGATE SUBBASE COURSE PRIOR TO PLACEMENT OF ASPHALT BASE COURSE.
 - C.) AGGREGATE BASE COURSE PRIOR TO PLACEMENT OF ASPHALT SURFACE COURSE.
 - D.) ASPHALT BASE COURSE PRIOR TO PLACEMENT OF TACK COAT AND ASPHALT SURFACE COURSE.
5. CONTRACTOR MUST APPLY ASPHALT PRIME COAT TO BASE OR SUBBASE AGGREGATE COURSE PRIOR TO PLACEMENT OF ASPHALT SURFACE OR BASE COURSE. TACK COAT MUST BE APPLIED TO ASPHALT BASE COURSE PRIOR TO PLACEMENT OF ASPHALT SURFACE COURSE. MATERIALS AND PROCEDURES FOR TACK COAT AND PRIME COAT MUST CONFORM TO SECTIONS 310 AND 311, RESPECTIVELY, OF THE VDOT ROAD AND BRIDGE SPECIFICATIONS.
6. THE METHODS AND MATERIALS USED IN THE CONSTRUCTION OF ALL STREETS MUST CONFORM TO ALL CURRENT VDOT AND TOWN OF CHRISTIANSBURG STANDARDS AND SPECIFICATIONS.
7. MAXIMUM ALLOWABLE ROADWAY CENTERLINE GRADE SHALL BE 12%.
8. CUT SLOPES MAY BE INCREASED TO 2:1 ONLY WHEN APPROVED BY THE TOWN OF CHRISTIANSBURG ENGINEERING DEPARTMENT.
9. DEVELOPER/CONTRACTOR MUST INSTALL STANDARD CONSTRUCTION ENTRANCE AS SHOWN IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (STD. AND SPEC. 3.02) AT ALL DRIVEWAY LOCATIONS TO MINIMIZE THE TRANSPORT OF DUST, DIRT, AND MUD ONTO ASPHALT SURFACES.
10. TRACK CONSTRUCTION EQUIPMENT MUST NOT BE ALLOWED TO OPERATE ON OR ACROSS STREETS WHICH HAVE RECEIVED THE FINAL SURFACE ASPHALT COURSE.
11. A FIELD REVIEW SHALL BE MADE BY THE TOWN OF CHRISTIANSBURG DURING CONSTRUCTION TO DETERMINE THE ADEQUACY OF CHANNELS AND DITCHES AS CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLAN. IN THE EVENT OF SCOUR AND EROSION, THE OWNER MUST INSTALL ADDITIONAL MEASURES AS DETERMINED AND REQUIRED BY THE TOWN OF CHRISTIANSBURG ENGINEERING DEPARTMENT.



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TYPICAL ROAD SECTION
WITH SHOULDER AND DITCH

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SCALE: N.T.S.
DETAIL NO.
XS-1