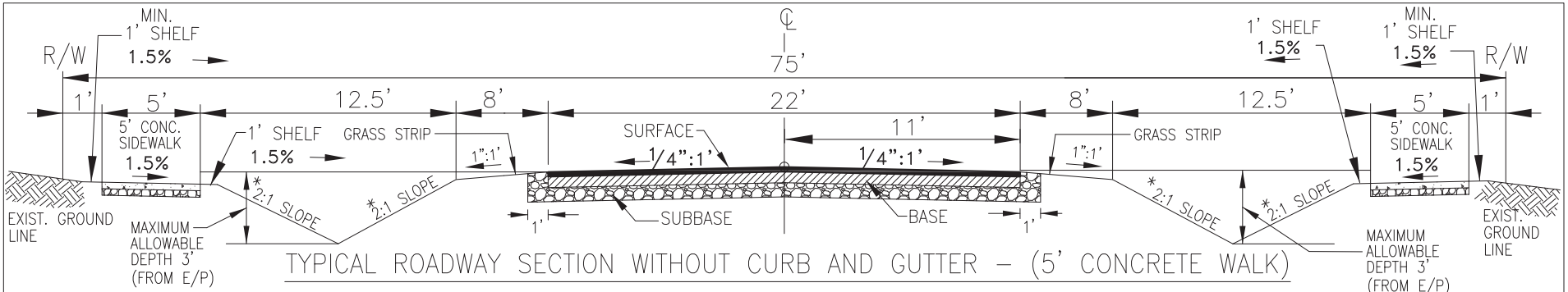
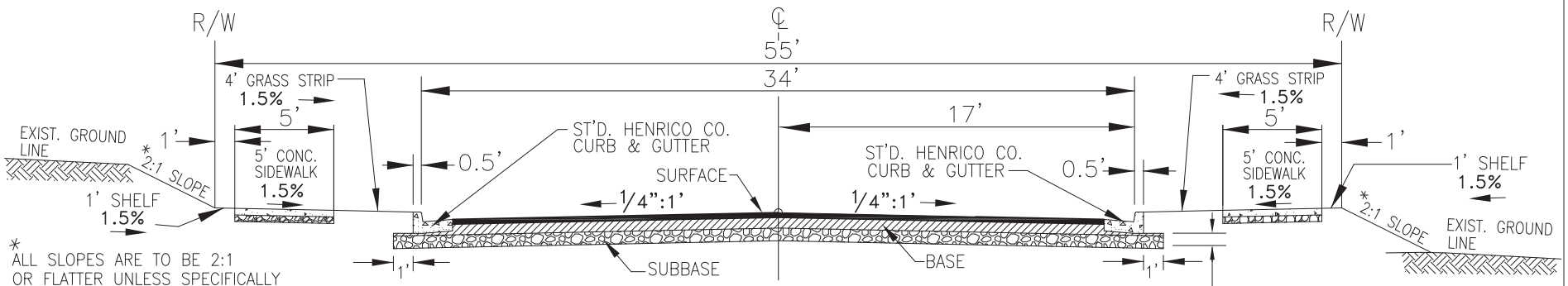



TYPICAL ROADWAY SECTION WITHOUT CURB AND GUTTER – (5' CONCRETE WALK)




* ALL SLOPES ARE TO BE 2:1 OR FLATTER UNLESS SPECIFICALLY APPROVED BY THE DIRECTOR OF PUBLIC WORKS.

TYPICAL ROADWAY SECTION WITH CURB AND GUTTER (5' CONCRETE WALK)

| MINIMUM PAVEMENT DESIGN REQUIREMENT | | |
|---|---|---|
| SUBBASE | BASE | SURFACE |
| 8" AGGREGATE BASE MATERIAL | 4" ASPHALT BASE COURSE | 2" ASPHALT SURFACE COURSE |

1. THE SHOULDER WIDTH (NON CURB AND GUTTER SECTION) OR PEDESTRIAN SHELF (CURB AND GUTTER SECTION) WILL BE REQUIRED TO BE EXTENDED BEYOND THE RIGHT-OF-WAY, WITH A PERMANENT EASEMENT PROVIDED, TO ACCOMMODATE THE INSTALLATION OF GUARDRAIL, WHERE NEEDED.
2. THE PAVEMENT DEPTHS ARE MINIMUM COMPACTED DEPTHS.
3. THE PAVEMENT DESIGN REQUIRED IS BASED ON A MINIMUM CBR VALUE OF 10. INCREASES TO THE DESIGN MAY BE REQUIRED BASED ON SOIL CONDITIONS AT THE TIME OF CONSTRUCTION. FINAL PAVEMENT DESIGNS MUST BE APPROVED BY THE DEPARTMENT OF PUBLIC WORKS.
4. UNDERDRAINS SHALL BE INSTALLED ON ALL ROADWAYS IN ACCORDANCE WITH VDOT SPECIFICATIONS AND THE REQUIREMENTS OF THIS MANUAL.
5. MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE VDOT ROAD AND BRIDGE SPECIFICATIONS AND STANDARDS, EXCEPT WHERE COUNTY STANDARDS ARE APPLICABLE.
6. IF AN IRRIGATION SYSTEM IS PROPOSED WITHIN THE RIGHT-OF-WAY LIMITS, A MAINTENANCE AGREEMENT MUST BE PROVIDED BETWEEN THE DEVELOPER AND THE COUNTY OF HENRICO.
7. A UNIFORM CROSS SECTION SLOPE AND PAVEMENT DESIGN ARE REQUIRED FOR ALL ROADWAYS. SLOPES WHICH EXTEND BEYOND THE RIGHT OF WAY SHALL BE IN PERMANENT EASEMENTS.
8. ALL ROADSIDE DITCHES SHALL BE SEEDED AND HAVE A PERMANENT STAND OF GRASS AS A MINIMUM. WHERE THE 10-YEAR DESIGN VELOCITY EXCEEDS FOUR (4) FEET PER SECOND, JUTE MESH OR OTHER CHANNEL LINING SHALL BE INSTALLED. IF THE 10-YEAR DESIGN VELOCITY EXCEEDS SEVEN (7) FEET PER SECOND, THE ROADSIDE DITCH SHALL BE LINED WITH EITHER RIPRAP OR CONCRETE. ALTERNATE CHANNEL LININGS MAY BE ACCEPTABLE BASED UPON SOIL SAMPLES AND CERTIFIED DESIGN BY A LICENSED PROFESSIONAL ENGINEER UPON APPROVAL BY THE COUNTY ENGINEER.

# TYPICAL SECTION - CLASSIFICATION V (1001-5000 VPD)

(5' CONCRETE WALK WITHIN PUBLIC RIGHT-OF-WAY)

County of Henrico
Department of Public Works

SEPTEMBER 1, 2021

HENTYPSEC-CL-5-5SW-PUB-RW.DWG