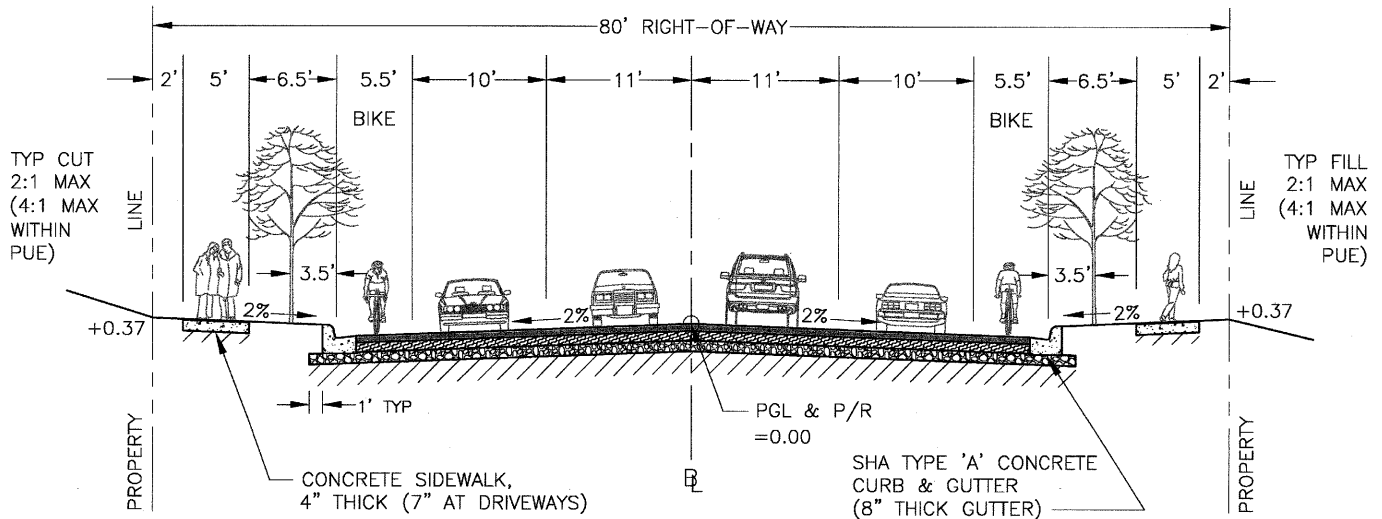


Typical Section (NOT TO SCALE)



Paving Detail

| | |
|--|---------------------------------------------------|
| | 3" BITUMINOUS CONCRETE SURFACE (TWO EQUAL LAYERS) |
| | 5" BITUMINOUS CONCRETE BASE |
| | 8" GRADED AGGREGATE BASE (TWO EQUAL LAYERS) |
| | APPROVED SUBGRADE |

Design Data

GEOMETRIC DESIGN SHALL CONFORM TO MOST RECENT AASHTO "GREEN BOOK" METHODS.

| TARGET SPEED (MPH) | SUPERELEVATION DISTRIBUTION | MAX GRADE |
|--------------------|-----------------------------|-----------|
| 30* | AASHTO METHOD 2 (4% MAX) | 8% |
| 35 | AASHTO METHOD 2 (4% MAX) | 8% |
| 40 | AASHTO METHOD 2 (4% MAX) | 8% |

* MIN ALLOWABLE R_c RADIUS = 300'

General Notes

- LATEST EDITION OF THE MARYLAND STATE HIGHWAY ADMINISTRATION SPECIFICATIONS SHALL APPLY FOR MATERIALS AND METHODS OF CONSTRUCTION.
- PUBLIC UTILITY EASEMENTS (PUEs) ARE SUBJECT TO "DECLARATIONS OF TERMS AND PROVISIONS OF PUBLIC UTILITY EASEMENTS" RECORDED AS LIBER 3834, FOLIO 457 IN THE LAND RECORDS OF MONTGOMERY COUNTY.
- STANDARD ELEVATION AT PROPERTY LINE, RELATIVE TO PGL, SHALL NOT VARY AT DRIVEWAYS.
- PAVING DETAIL DEPICTS THE MINIMUM REQUIRED SECTION. IF SUFFICIENT SUBGRADE SUPPORT IS NOT ASSURED, AN ENGINEERED PAVING DESIGN USING SHA METHODOLOGY WILL BE REQUIRED.
- NOTE THAT WITHIN A GIVEN CONTEXT, THIS STANDARD MAY NEED TO BE MODIFIED TO PROVIDE ADDITIONAL REQUIRED FEATURES SUCH AS MASTER PLANNED BIKEWAYS, AUXILIARY LANES AT INTERSECTIONS, OR STORMWATER MANAGEMENT FACILITIES. ADDITIONAL RIGHT-OF-WAY MAY BE NECESSARY TO ACCOMMODATE SUCH FEATURES.
- SELECTION OF APPROPRIATE TARGET SPEED (EQUAL OR SLIGHTLY LESS THAN DESIGN SPEED) IS SUBJECT TO COUNTY REVIEW AND APPROVAL. APPROVED TARGET AND DESIGN SPEEDS MUST APPEAR ON CONSTRUCTION DRAWINGS.
- THE 2% CROSS-SLOPE RATE SHOWN IS TO BE USED FOR A MAXIMUM WIDTH OF TWO TRAFFIC LANES STARTING AT THE HIGH POINT OF THE PAVING SECTION. IF ADDITIONAL LANES ARE NECESSARY BELOW, THEY MUST BE CROSS-SLOPED AT A 4% MINIMUM RATE TO ENSURE ADEQUATE DRAINAGE.
- ALL UNPAVED AREAS WITHIN THE LIMITS OF DISTURBANCE SHALL BE STABILIZED WITH ESTABLISHED GRASS TURF OR APPROVED LANDSCAPING.
- STREET TREES OF APPROVED TYPE, SIZE AND SPACING SHALL BE PLANTED AT LOCATIONS SHOWN. STREET TREE PLACEMENT SHOWN ONLY APPLIES FOR 30 & 35 MPH TARGET SPEEDS, OR FOR ROADWAYS WITH A 40 MPH TARGET SPEED IF TREES FROM THE "SMALL STREET-TREE" LIST ARE USED.

STANDARD DEVELOPED AND IMPLEMENTED IN CONFORMANCE WITH COUNCIL RESOLUTION 16-809 ADOPTED DEC. 9, 2008

DIRECTOR, DEPARTMENT OF TRANSPORTATION

 CHIEF, DIVISION OF TRANSPORTATION ENGINEERING

25 JUN '12
 DATE
 6/21/2012
 DATE

MONTGOMERY COUNTY
 DEPARTMENT OF TRANSPORTATION

SUBURBAN ARTERIAL ROAD
 4 LANES WITH BIKE LANES

STANDARD NO. MC-2004.08A