



**TYPICAL MEDIAN BIORETENTION SECTION
POSTED SPEED LIMIT HIGHER THAN 30 MPH**

NOTES:

1. REFER TO DESIGN PLANS FOR HORIZONTAL CONTROL INFORMATION.
2. FOR CITY PROJECTS, SEE SPECIFICATION 33.46.71 FOR UNDERDRAIN AND SPECIFICATION 33.46.74 FOR IMPERMEABLE LINER.
3. IF UNDERDRAIN IS REQUIRED, REFER TO DESIGN PLANS FOR UNDERDRAIN INVERT ELEVATIONS.
4. REFER TO PLANS FOR UNDERDRAIN CLEANOUT LOCATIONS AND INSTALLATION DETAILS.
5. BOTTOM OF STORAGE LAYER SHALL BE SCARIFIED TO PROMOTE INFILTRATION PRIOR TO BACKFILL. FOR CITY PROJECTS, SEE SPECIFICATION 33.43.73 FOR SUBGRADE PREPARATION.
6. VEGETATION MAY BE PLACED ON SIDE SLOPES TO ANCHOR MULCH IF DESIRED.
7. ALL FEATURES, INCLUDING VEGETATION, INTEGRATED INTO MEDIAN BIORETENTION SHALL MEET SIGHT DISTANCE REQUIREMENTS PER STREET DESIGN MANUAL AND RECOMMENDED PLANT SPECIES IN THE NCDEQ STORMWATER DESIGN MANUAL.
8. BIORETENTION MEDIA SHALL BE PLACED IN 6" TO 12" LIFTS THAT ARE WALKED ON OR WATERED TO CONSOLIDATE AND ALLOW SHAPING OF THE MEDIA'S SURFACE. THE MEDIA SHALL NOT BE MECHANICALLY COMPACTED. REFER TO NCDEQ STORMWATER DESIGN MANUAL AND FOR CITY PROJECTS, SPECIFICATION 33.46.70 FOR BIORETENTION SOIL MEDIA SPECIFICATIONS.
9. STABILIZE CONTRIBUTING DRAINAGE AREA PRIOR TO PLACEMENT OF UNDERDRAIN AND VARIOUS FILL MATERIALS.
10. FOR CITY PROJECTS, ALL MATERIALS SPECIFIED AS WASHED SHALL BE WASHED FOLLOWING SPECIFICATION 33.46.70.
11. EXTEND CLEANOUT TO ELEVATION SHOWN ON PLANS.

CITY OF RALEIGH STANDARD DETAIL		
REVISIONS	DATE: 9/2024	NOT TO SCALE
MEDIAN BIORETENTION (FOR ABOVE 30 MPH)		
SW-30.02.2		