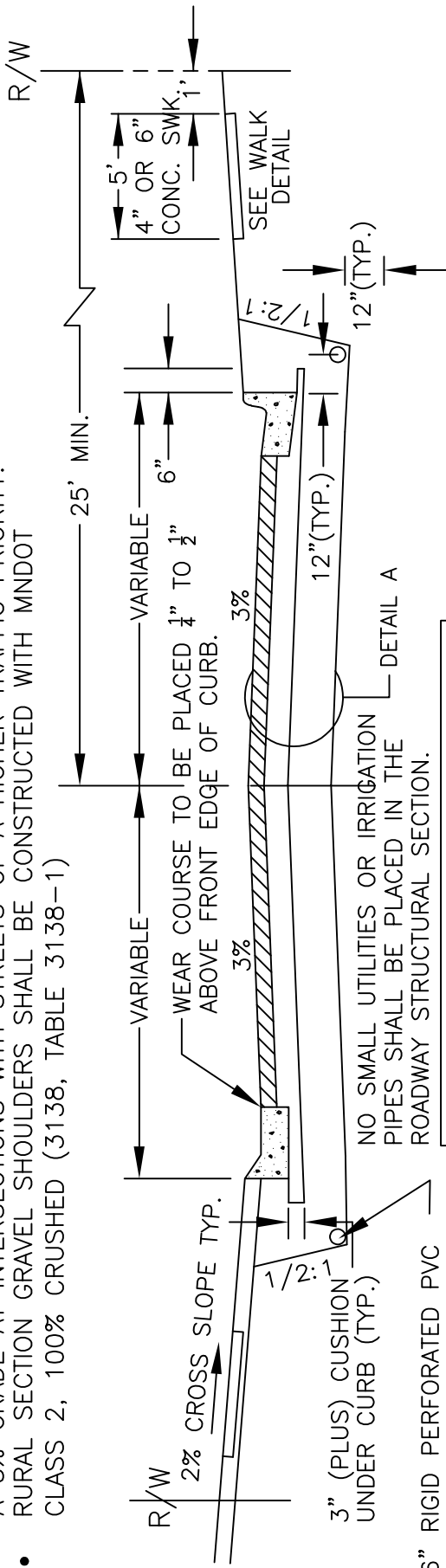




STANDARD DETAILS
RESIDENTIAL STREET SECTION
CITY OF PLYMOUTH

PUBLISHED
1-20
CITY PL. NO.
STRT-14
REVISED 3-15

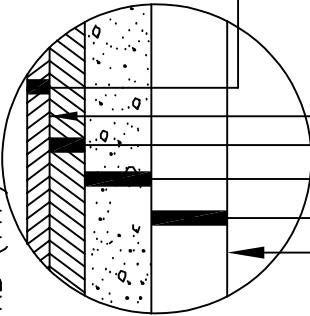
- STREET SECTIONS SHALL BE DESIGNED BY A QUALIFIED ENGINEER BASED ON RESIDENTIAL C.D.S.-90' MIN. DIAMETER ACTUAL SITE SOIL CONDITIONS. THE STREET SECTION SHOWN IS THE MINIMUM TO BACK OF CURB
- GRADES ON MINOR STREETS SHOULD PROVIDE AN AREA OF NOT MORE THAN TO BACK OF CURB
- A 3% GRADE AT INTERSECTIONS WITH STREETS OF A HIGHER TRAFFIC PRIORITY.
- RURAL SECTION GRAVEL SHOULDERS SHALL BE CONSTRUCTED WITH MNDOT CLASS 2, 100% CRUSHED (3138, TABLE 3138-1)



9 TON STREETS BASED ON PROJECTED TRAFFIC ARE EQUIVALENT TO OR GREATER THAN THE STANDARDS HEREIN SPECIFIED.

CONCRETE SIDEWALKS SHALL BE A MINIMUM OF 6 INCHES (6") THICK AT ALL DRIVEWAYS.

MINIMUM SECTION
DETAIL A



- 1-1/2" BIT. WEARING COURSE
MN/DOT SPEC. 2360 TYPE
SPWEA340C OR SPWEA240C
- 2-1/2" BIT. BASE COURSE
MN/DOT SPEC. 2360 TYPE
SPNWB330C OR SPNWB230C
- 8" AGG. BASE CLASS 5 MN/DOT SPEC. 3138
(100% CRUSHED)
- 12" SELECT GRAN. BORROW SPEC. 3149.2B2
GEOTEXTILE FILTER FABRIC TYPE V
(IF REQUIRED)
- APPROVED SUBGRADE

GRANULAR EQUIVALENT (MN/DOT SPECIFIED)

MATERIAL	SPECIFICATIONS	G.E. FACTORS
BITUMINOUS WEAR COURSE	2360	2.25
BITUMINOUS BINDER & BASE	2360	2.25
AGGREGATE BASE	CL.5 (3138)	1.00
AGGREGATE SUBBASE	CL.3, CL.4 (3138)	0.75
SELECT GRANULAR MATERIAL	3149	0.50

DESIGN CRITERIA

- PRESENT ADT=1000 VPD (MIN.)
- ANNUAL GROWTH FACTOR=3.0%
- 20 YEAR DESIGN PERIOD
- DESIGN SPEED IS 30 MPH, UNLESS OTHERWISE NOTED BY CITY
- MIN. $\sum N18_{20} = 150,000$