16'-0" STREET W/ DITCH SECTIONS
N.T.S.

BASE COURSE
If compacted agg. base course, or 4" ACBC type B25.0B (or 4" BCBC type HB, individual approval required), should entire development have a CBR of 6 or >, then an alternative base course pavement design may be submitted to the town engineer for approval.
NOTES:
1. THIS CROSS SECTION WILL REQUIRE STORM DRAINAGE STRUCTURES AT INTERVALS TO CAPTURE GUTTER DRAINAGE.
1. BASE COURSE

8" COMPACTED AGG. BASE COURSE, OR 4" ACBC TYPE B25.0B (OR 4" BCBC TYPE HB, INDIVIDUAL APPROVAL REQUIRED). SHOULD ENTIRE DEVELOPMENT HAVE A CBR OF 6 OR GREATER, THEN AN ALTERNATIVE BASE COURSE PAVEMENT DESIGN MAY BE SUBMITTED TO THE TOWN ENGINEER FOR APPROVAL.

18' LOCAL RESIDENTIAL STREET W/ DITCH SECTION & VALLEY GUTTER & 5 FT SIDEWALK ON ONE SIDE

N.T.S.
18' STREET W/ DITCH SECTION ON BOTH SIDES
(N.T.S.)

NOTES:
1. THIS CROSS SECTION WILL REQUIRE STORM DRAINAGE STRUCTURES AT INTERVALS TO CAPTURE GUTTER DRAINAGE.
2. MAINTAIN A 3:1 DITCH SLOPE SECTION. REMOVE AND REPLACE ANY UNSUITABLE MATERIALS.
18' STREET W/ VALLEY GUTTER & SIDEWALK ON ONE SIDE
CROSS SECTION (N.T.S.)

NOTES:
1. THIS CROSS SECTION WILL REQUIRE STORM DRAINAGE STRUCTURES AT INTERVALS TO CAPTURE GUTTER DRAINAGE.
18' STREET W/ VALLEY GUTTER ON BOTH SIDES

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**20' STREET W/ 2' C&G & SIDEWALK**

N.T.S.

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**20' STREET W/ 2' C&G & SIDEWALK**

N.T.S.
1. BASE COURSE
8" COMPACTED AGG. BASE COURSE, OR 4" ACBC TYPE B25.0B (OR 4" BCBC TYPE HB, INDIVIDUAL APPROVAL REQUIRED). SHOULD ENTIRE DEVELOPMENT HAVE A CBR OF 6 OR GREATER, THEN AN ALTERNATIVE BASE COURSE PAVEMENT DESIGN MAY BE SUBMITTED TO THE TOWN ENGINEER FOR APPROVAL.
1. **BASE COURSE**

8" COMPACTED AGG. BASE COURSE, OR 4" ACBC TYPE B25.0B (OR 4" BCBC TYPE HB, INDIVIDUAL APPROVAL REQUIRED). SHOULD ENTIRE DEVELOPMENT HAVE A CBR OF 6 OR GREATER, THEN AN ALTERNATIVE BASE COURSE PAVEMENT DESIGN MAY BE SUBMITTED TO THE TOWN ENGINEER FOR APPROVAL.
NOTES:

1. FOR NEW PLANTING AREAS, REMOVE ALL PAVEMENT, GRAVEL, SUB-BASE AND CONSTRUCTION DEBRIS BEFORE PREPARING SOIL AND PLANTING TREES.

2. REMOVE SOIL TO A DEPTH OF 18". SCARIFY, TILL OR OTHERWISE LOOSEN THE REMAINING SOIL TO A DEPTH OF 18". ADD NEW PLANTING MIX AS SPECIFIED.

3. SUBSURFACE DRAINAGE SHALL BE INSTALLED IN ALL MEDIANS AND TIED INTO EXISTING STORM DRAIN SYSTEM. A 4 INCH PERFORATED, CORRUGATED PVC DRAIN SHALL BE INSTALLED IN EACH MEDIAN AT THE BOTTOM OF THE EXCAVATED AREA. DRAIN SHALL BE COVERED WITH A MINIMUM 6 INCHES OF #57 WASHED STONE, THEN WRAPPED WITH A SPECIFIED NON-WOVEN GEOTEXTILE FABRIC. SPECIAL CARE SHALL BE EXERCISED WHEN FILLING MEDIANS WITH SOIL SO NOT TO CRUSH OR DAMAGE THE DRAINAGE SYSTEM.

GENERAL NOTES

1. TREE GRATES & ASSOCIATED IRRIGATION SYSs. REQD. BY TOWN ARE TO COMPLY W/ THE TOWN ZONING REQUIREMENTS. ALL INSTALLATIONS OF IRRIGATION SYS. WIN THE R/W OF STATE MAINTAINED STREETS REQUIRE AN ENCROACHMENT AGREEMENT EXECUTED THROUGH SCDOT. TREES INSTALLED WIN TOWN MAINTAINED R/W LIMITS SHALL BE PER TOWN REqs. TREES INSTALLED WIN THE R/W OF STATE MAINTAINED STREETS REQUIRE A PLANTING PERMIT FROM SCDOT. SCDOT'S REVIEW & APPROVAL PROCESS MAY INCLUDE ADDITIONAL REqs.

2. A DRAINAGE SYS. IS REQD FOR ALL IRRIGATED PLANTING AREAS LOCATED ADJACENT TO STREETS. ALL IRRIGATION/DRAINAGE SYSs. REQUIRE AN ENCROACHMENT AGREEMENT EXECUTED BY SCDOT FOR STATE-MAINTAINED ROADS. CONTACT SCDOT FOR ADD. INFO. REGARDING COST, SUBMITTAL & LIABILITY INSURANCE COVERAGE REqs.

3. LANDSCAPE INSPECTIONS MAY INCLUDE THE FOLLOWING:
   - SUBDRAINAGE INSPECTION
   - TREE PIT/WELL OR PLANTING STRIP INSPECTION
   - SOIL MIX APPROVALS/INSPECTIONS
   - TREE APPROVALS/INSPECTIONS
   - TREE PLANTING INSPECTION
   - IRRIGATION INSPECTION
   - FINAL WALK THROUGH

   ALL INSPECTIONS SHALL BE PERFORMED BY TOWN, SCDOT, AND/OR COUNTY.

PLANTING IN STREET R/W

N.T.S.
NOTES:

1. FOR NEW PLANTING AREAS, REMOVE ALL PAVEMENT, GRAVEL, SUB-BASE AND CONSTRUCTION DEBRIS BEFORE PREPARING SOIL AND PLANTING TREES.

2. REMOVE SOIL TO A DEPTH OF 18". SCARIFY, TILL OR OTHERWISE LOOSEN THE REMAINING SOIL TO A DEPTH OF 18". ADD NEW PLANTING MIX AS SPECIFIED.

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GENERAL NOTES

1. TREE GRATES & ASSOCIATED IRRIGATION SYST. REQ'D. BY TOWN ARE TO COMPLY W/ THE TOWN ZONING REQUIREMENTS. ALL INSTALLATIONS OF IRRIGATION SYST. WIN THE R/W OF STATE MAINTAINED STREETS REQUIRE AN ENCROACHMENT AGREEMENT EXECUTED THROUGH SCDOT. TREES INSTALLED W/IN THE R/W MAINTAINED STREETS REQUIRE A PLANTING PERMIT FROM SCDOT. SCDOT'S REVIEW & APPROVAL PROCESS MAY INCLUDE ADDITIONAL REQ's.

2. A DRAINAGE SYST. IS REQ'D FOR ALL IRRIGATED PLANTING AREAS LOCATED ADJACENT TO STREETS. ALL IRRIGATION/DRAINAGE SYST. REQUIRE AN ENCROACHMENT AGREEMENT EXECUTED BY SCDOT FOR STATE-MAINTAINED ROADS. CONTACT SCDOT FOR ADD. INFO. REGARDING COST, SUBMITTAL & LIABILITY INSURANCE COVERAGE REQ's.

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   - SUBDRAINAGE INSPECTION
   - TREE PITWELL OR PLANTING STRIP INSPECTION
   - SOIL MIX APPROVALS/INSPECTIONS
   - TREE APPROVALS/INSPECTIONS
   - TREE PLANTING INSPECTION
   - IRRIGATION INSPECTION
   - FINAL WALK THROUGH

ALL INSPECTIONS SHALL BE PERFORMED BY TOWN, SCDOT, AND/OR COUNTY.

PLANTING IN STREET R/W N.T.S.
GENERAL NOTES:

1. FOR STREAMS CARRYING 500 AC. OR MORE OF SURFACE RUNOFF, THE EASEMENT REQUIREMENT IS TO BE THE WIDTH OF THE STREAM FROM TOP OF BANK TO TOP OF BANK, PLUS (+) 10' ON EACH SIDE OF STREAM. (40' MIN. WIDTH)

2. FOR OPEN CHANNELS THE MIN. EASEMENT MUST CONTAIN THE WIDTH OF THE STREAM FROM TOP OF BANK TO TOP OF BANK.

3. WIDER EASEMENT WIDTHS MAY BE REQUIRED FOR PIPE DEPTHS > 10'.

4. PIPE SYSTEMS & OPEN CHANNELS ON PRIVATE PROPERTY SHALL BE PLACED IN A STORM DRAINAGE EASEMENT.

Notes:

1. A MIN. OF 6" FROM OUTSIDE DIAM. OF PIPE TO SIDE OF TRENCH MUST BE ALLOWED FOR WASHED STONE. THE METHOD OF COMPACTING BACKFILL MATERIAL IS SUBJECT TO APPROVAL BY THE COUNTY ENGINEER. AN APPROVED FILTER FABRIC SHALL BE PLACED AROUND STONE & OVERLAPPED 8" AT TOP IN STREET R/W. PIPE SIZE TO BE SHOWN ON PLAN (MIN. 6" PIPE). PIPE TO BE SCHEDULE 20 OR 40 PERFORATED PVC.

2. OUTLET PIPE FROM SUBDRAIN SHALL BE NON-PERFORATED UNDER PAVEMENT (INCLUDING SIDEWALKS & DRIVEWAYS).

3. THE OUTLET PIPES SHALL BE SCHEDULE 80 UNDER ROADWAYS.

4. SEE SITE PLAN FOR SLOPE OF SUBDRAIN & TIE IN TO STORM DRAINAGE.

5. FILTER FABRIC SHALL BE AN APPROVED, TYPE II WATER PERMEABLE, SYNTHETIC FABRIC.

6. CLEAN OUTS ARE RECOMMENDED AT ALL PIPE INTERSECTIONS & AT A 100' MAX. SEPARATION.

7. SUBDRAIN INVERTS AT CATCH BASINS SHOULD BE INSTALLED ABOVE THE BOTTOM TO AVOID SURCHARGE OF SUBDRAIN SYSTEM.

8. SUBDRAINS WILL TIE INTO A STD. DRAINAGE STRUCTURE OR DAYLIGHT TO THE SURFACE WHERE APPROPRIATE.

9. PIPE SYSTEMS & OPEN CHANNELS ON PRIVATE PROPERTY SHALL BE PLACED IN A STORM DRAINAGE EASEMENT.

Notes:

1. THE SANITARY SEWER & STORM DRAINAGE R/W MAY OVERLAP; HOWEVER THE PIPE & ASSOCIATED STRUCTURES MUST NOT BE IN THE OTHER UTILITY'S R/W.

2. THE SANITARY SEWER R/W WIDTHS SHALL BE AS OUTLINED IN THE TOWN'S DESIGN MANUAL. THIS DETAIL DOES NOT APPLY TO STORM DRAINAGE UTILIZING OPEN CHANNEL FLOW.


4. A MAINTENANCE CREW MUST BE ABLE TO DIG DOWN TO THE LOWER PIPE SLOPING THE DITCH ON A 1:1 SLOPE AND NOT EXPOSE THE HIGHER PIPE.

5. THE VERT. SEPARATION GUIDELINE WILL BE USED UP TO THE POINT WHERE THE 2 R/W ADJOIN EACH OTHER.

6. THE SANITARY SEWER & STORM DRAINAGE R/W MAY OVERLAP; HOWEVER THE PIPE & ASSOCIATED STRUCTURES MUST NOT BE IN THE OTHER UTILITY'S R/W.

7. THE SANITARY SEWER R/W WIDTHS SHALL BE AS OUTLINED IN THE TOWN'S DESIGN MANUAL. THIS DETAIL DOES NOT APPLY TO STORM DRAINAGE UTILIZING OPEN CHANNEL FLOW.


9. A MAINTENANCE CREW MUST BE ABLE TO DIG DOWN TO THE LOWER PIPE SLOPING THE DITCH ON A 1:1 SLOPE AND NOT EXPOSE THE HIGHER PIPE.
PARKING ANGLE 90°
(2-WAY OPERATION ONLY)

NOTES:
1. FOR ACCESSIBLE PARKING STDS./SIGNAGE SEE STDS. 50.10A, B, AND C.
2. PAVEMENT MARKINGS SHALL BE 4" WHITE PAINT.
3. ALTERNATIVE PARKING ANGLES, AISLE WIDTHS, AND OPERATION (2-WAY ANGLED PARKING OR REVERSE-ANGLE PARKING) WILL BE CONSIDERED ON A CASE-BY-CASE BASIS.
INTERSECTION W/ SIDEWALK & C&G
N.T.S

INTERSECTION W/ C&G
N.T.S

GENERAL NOTES:
1. 2 STREET NAME MARKERS ARE REQUIRED IF THE MAJOR STREET 3 OR MORE LANES.
2. ANY VARIANCE FROM THE STD. MUST BE APPROVED BY THE TOWN AND OR COUNTY.

LEGEN:
+ ST. NAME MARKER
↓ STOP SIGN
----- RIGHT-OF-WAY
1. Blades shall be extruded aluminum 6063t5 or 6063t6 alloy .080" thick. Post shall be 10'-0" in length, tubular 2.375 o.d. gloss galvanized steel continuous mill dipped, w/ no raw ends; or 40, 1540 wall aluminum (see detail b).

2. Cap to be aluminum #380 alloy or equal slotted for .25" extruded blade; 2.375" i.d. base, die cast and polished. Cap shall be tapped to receive and include 3 SS set screws for post mounting and 2 SS set screws for blade mounting. Set screws to have allen heads (see detail c).

3. Blade spacer bracket shall meet same specs as the cap w/ 2 screws to each blade mounting (see detail d).

4. The face of all blades shall meet covered w/ eng. grade sheeting w/ #2290 white die cut letters w/ reversed screened #708 transparent green. The primary letters shall be 6" high upper case, FHWA series b & prefix/suffix letters shall be 3" high, upper case, FHWA series c. Block #s shall be placed in the lower right corner and shall be 3" high, FHWA series c. All materials to be vacuum and heat applied to a prepared alluminum blade, which has been cleaned and all foreign material removed (see detail e).


7. All street name signs are subject to approval by the county engineer. Block #s shall be provided on signs & correspond to officially approved addresses.

8. If the street is intended to be private, a supplemental plate is required. The supplemental plate may be either attached to the sign or an extended blade w/ black on yellow sheeting may be used. The sign shall have black letters that show pvt to stand for private. The letters shall be at least 3" high, upper case, FHWA series c, on a background of yellow eng. grade sheeting. (see detail f).

Note: All signs shall be reflective and meet the fhwa standards of reflectivity. See mutcd manual, latest release, for specifications.