NOTES:
1. REMOVE WIRE AND NYLON TWINE FROM BALL AND CANOPY.
2. SOAK ROOT BALL AND PLANT PIT IMMEDIATELY AFTER INSTALLATION.
3. STAKING IS REQUIRED FOR ALL TREES IN R.O.W. OR UPON REQUEST OF ARBORIST.
4. REMOVE EXCESS SOIL FROM SITE AND DISPOSE OF IN A LEGAL MANNER.
5. RESEED UNMULCHED, DISTURBED AREAS.

FOR EXAMPLE:

<table>
<thead>
<tr>
<th>CALIBER</th>
<th>HEIGHT (RANGE)</th>
<th>MAX. HEIGHT</th>
<th>MIN. ROOT BALL DIA.</th>
<th>MIN. ROOT BALL DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>12-14&quot;</td>
<td>18&quot;</td>
<td>24&quot;</td>
<td>16&quot;</td>
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<tr>
<td>3&quot;</td>
<td>14-16&quot;</td>
<td>18&quot;</td>
<td>32&quot;</td>
<td>21&quot;</td>
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</tbody>
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TOWN OF PINEVILLE LAND DEVELOPMENT STANDARDS

TREE PLANTING (FOR SINGLE AND MULTI-STEM TREES)

NOT TO SCALE
NOTES:
1. REMOVE ALL BARRIERS UPON COMPLETION OF PROJECT.
2. LANDSCAPING PLANS SHALL SHOW THE LOCATIONS OF ALL TREE PROTECTION FENCES.

FOR PRUNING SEE INTERNATIONAL SOCIETY OF ARBORICULTURE SPECS.

ONE FOOT FOR EACH INCH OF TRUNK DIAMETER OR 1/2 HEIGHT OF TREE WHICHER IS GREATER

DEAD TREES AND SCRUB OR UNDER GROWTH SHALL BE CUT FLUSH WITH ADJACENT GRADE. NO GRUBBING ALLOWED UNDER DRIP LINE

6' MINIMUM WIDTH FOR 2" CAL. TREES OR SMALLER

2"x4" STANDARDS + 1"x4" RAILS OR ORANGE SAFETY FENCING MAY BE USED

4" BARK MULCH PLACE BARK MULCH AT AREAS NOT PROTECTED BY BARRIER.

NOT TO SCALE
PLAN

TOWN OF PINEVILLE
LAND DEVELOPMENT
STANDARDS

LARGE AND SMALL MATURING TREE PIT
WITH GRATE IN SIDEWALK (PLAN)

NOTE:
W = 17'-6" FOR LARGE MATURING TREE.
W = 12'-6" FOR SMALL MATURING TREE.
TREE PITS MAY BE CONTIGUOUS

REVIEW DATE
8/1/19
STD. NO. 40.03 REV. 3
TOWN OF PINEVILLE
LAND DEVELOPMENT STANDARDS

LARGE AND SMALL MATURING TREE PIT WITH GRATE IN SIDEWALK (SECTION A)

NOT TO SCALE

REV. DATE
8/1/19

STD. NO. REV.
40.03A 3
TOWN OF PINEVILLE
LAND DEVELOPMENT
STANDARDS

LARGE AND SMALL MATURING TREE PIT
WITH GRADE IN SIDEWALK (SECTION B)

NOTE:
W = 17'-6" for large maturing tree.
W = 12'-6" for small maturing tree.
Tree pits may be contiguous.
GENERAL NOTES:
1. EXPANSION JOINTS ARE PERMITTED AT 40" MIN. SPACING AND NOT LESS THAN 12"-6" FROM CENTER OF TREE GRATE.
2. SEE PLDS 10.22 FOR DETAIL OF GROOVE JOINT.
3. CONCRETE SHALL BE 3600 PSI IN 28 DAYS.
4. ALL REINFORCING STEEL SHALL BE GRADE 60.
5. USE REINFORCED STEEL BAR SUPPORTS IN COMPLIANCE WITH NCDDT STANDARD SPECIFICATION 970-4.

NOTE
A DRAINAGE SYSTEM IS REQUIRED AS SHOWN FOR ALL IRRIGATED PLANTING AREAS LOCATED ADJACENT TO STREET.

SECTION C

NOT TO SCALE

TOWN OF PINEVILLE
LAND DEVELOPMENT
STANDARDS

LARGE AND SMALL MATURING TREE PIT
WITH GRATE IN SIDEWALK (SECTION C)
FINISH GRADE
CONTROL VALVE WITH FLOW CONTROL
WATERPROOF CONNECTORS (2)
18-24" COILED WIRE
SCH 80 T.G.E. NIPPLE
MAIN LINE PIPE & FITTINGS
BRICK SUPPORTS (4)
3/4" MINUS WASHED GRAVEL, MIN. 3" DEPTH
PRESSURE REGULATOR
FILTER

DRIP IRRIGATION W/ PRESSURE REGULATOR AND FILTER
NOTES:
1. SCARIFY ROOT MASS OF CONTAINERIZED PLANT MATERIAL.
2. INSTALL CONTAINERIZED PLANTS AT FINISHED GRADE.
3. TAMPER PLANTING MIX FIRMLY AS PIT IS FILLED AROUND EACH PLANT BALL.
4. GUY COLLAR AROUND EACH SHRUB WHEN IRRIGATION SYSTEM IS PRESENT.
5. SOAK EACH PLANT BALL AND PIT IMMEDIATELY AFTER INSTALLATION.
NOTES:

1. SCARIFY ROOT MASS OF CONTAINERIZED PLANT MATERIAL.
2. INSTALL CONTAINERIZED PLANTS AT FINISHED GRADE.
3. TAMP PLANTING MIX FIRMLY AS PIT IS FILLED AROUND EACH PLANT BALL.
4. Omit collar around each shrub when irrigation system is present.
5. SOAK EACH PLANT BALL AND PIT IMMEDIATELY AFTER INSTALLATION.
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 OR HOPE PER AASHTO M242, TYPE CP (SINGLE-WALL, CORRUGATED) 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.
NOTES:

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

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NOT TO SCALE

TOWN OF PINEVILLE
LAND DEVELOPMENT
STANDARDS

48 TO 72 INCH MEDIAN
EXCAVATION, DRAINAGE AND BACKFILL

REV. DATE

STD. NO. REV.
40.08C
NOTE:

1. A ROOT FLARE EXCAVATION FOR ALL TREES SPECIFIED WILL BE DONE BY THE TOWN ARBORIST TO ENSURE THAT TREES WERE NOT PLANTED/GROWN TOO DEEPLY AT SOURCE (NURSERY). LANDSCAPE CONTRACTOR SHALL HAVE SUPPLIER MARK GROUND LEVEL LINE ABOVE ROOT BALL. IF TOWN ARBORIST DETERMINES THAT THERE IS EXCESSIVE SOIL OVER THE ROOT CROWN, THESE TREES WILL BE REJECTED.

Acceptable Condition (as delivered)

Unacceptable Condition (as delivered)
PLANTINGS IN STREET RIGHT-OF-WAY

GENERAL NOTES

1. TREE GRATES AND ASSOCIATED IRRIGATION SYSTEMS ARE REQUIRED AT VARIOUS LOCATIONS TO COMPLY WITH ZONING REQUIREMENTS. ALL OTHER INSTALLATIONS OF IRRIGATION SYSTEMS WITHIN THE RIGHT-OF-WAY OF TOWN OR STATE MAINTAINED STREETS REQUIRE AN ENSCROACHMENT AGREEMENT EXECUTED THROUGH THE TOWN OR NCDOT. THE TOWN'S ENCROACHMENT AGREEMENT REVIEW/APPROVAL PROCESS MAY INCLUDE ADDITIONAL REQUIREMENTS. CONTACT THE TOWN OR NCDOT FOR ADDITIONAL INFORMATION REGARDING COST, SUBMITTAL, AND LIABILITY INSURANCE COVERAGE REQUIREMENTS.

2. A DRAINAGE SYSTEM IS REQUIRED AS SHOWN FOR ALL IRRIGATED PLANTING AREAS LOCATED ADJACENT TO STREETS. ALL IRRIGATION/DRAINAGE SYSTEMS NOT REQUIRED BY THE UPTOWN STREET GUIDELINES REQUIRE AN ENCROACHMENT AGREEMENT EXECUTED BY THE TOWN OR NCDOT FOR TOWN OR STATE-MAINTAINED ROADS, RESPECTIVELY. CONTACT THE TOWN OR NCDOT FOR ADDITIONAL INFORMATION REGARDING COST, SUBMITTAL AND LIABILITY INSURANCE COVERAGE REQUIREMENTS.

3. AN INSPECTION SCHEDULE IS NEEDED FOR TREES THAT WILL BE PLANTED IN THE STREET RIGHT OF WAY DUE TO ZONING OR OTHER REQUIREMENTS. LANDSCAPE INSPECTION INCLUDE THE FOLLOWING:
   - SUBDRAINAGE INSPECTION
   - TREE PIT/WELL OR PLANTING STRIP INSPECTION
   - SOIL MIX APPROVALS/INSPECTIONS
   - TREE APPROVALS/INSPECTIONS – PRIOR TO PURCHASING THE TREES, TO BE MADE BY THE TOWN’S REPRESENTATIVE
   - THIS MAY INCLUDE PHOTO APPROVAL OR PARTICIPATION IN TAGGING THE TREES
   - TREE PLANTING INSPECTION
   - IRRIGATION INSPECTION
   - FINAL WALK THROUGH

4. ALL OF THE ABOVE INSPECTIONS WILL BE PERFORMED BY THE TOWN'S REPRESENTATIVE, EXCEPT FOR THE TREE APPROVALS AS NOTED.
NOTES:

1. THIS TREE BUMPER DETAIL SHALL BE USED WHEN WORKING WITHIN 10' OF AN EXISTING TREE TO BE PROTECTED.

2. ALL TREES SHALL BE SAVED UNLESS NOTED OTHERWISE ON THE PLANS OR DIRECTED BY THE ENGINEER.

3. LUMBER, WIRE, AND SANDBAGS MAY BE REUSED AT OTHER TREES.

4. THE INTENT OF THIS DETAIL IS TO PROTECT EXISTING TREES FROM DAMAGE DURING CONSTRUCTION ESPECIALLY FROM BACKHOE ARM SWING. AN ALTERNATE APPROACH MAY BE USED IF APPROVED IN WRITING BY THE ENGINEER AFTER CONSULTATION WITH THE TOWN'S DULY AUTHORIZED REPRESENTATIVE.

SCRAP 2" X 4" LUMBER MAY BE USED TO SUPPORT WIRE ON BACK SIDE OF TREE

* SPACING AS NEEDED TO SUPPORT WIRE WITHOUT CUTTING TREE BARK

6" TYP.

PLAN VIEW

ELEVATION VIEW

6" TYP.

STEEL WIRE TO TIE LUMBER TO TREE

2" X 4" X 6" LUMBER, (TYP.)

USE A COMBINATION OF EXTENDED 2X4'S AND SANDBAGS TO PROTECT THE BUTTRESS SANDBAGS AT BUTTRESS ROOTS, (TYP.)
NOTES:

1. CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR EXISTING TREES.

2. WHERE EXISTING TREES ARE WITHIN 4' OF THE PROPOSED BACK OF CURB, THE PROPOSED CURB SHALL END A MINIMUM OF 12' FROM THE TREE'S BUTTRESS ROOTS.

3. CONTRACTOR SHALL COORDINATE WITH THE TOWN'S REPRESENTATIVE TO IDENTIFY TREES FOR WHICH THIS DETAIL APPLIES PRIOR TO CONSTRUCTION NEAR THE TREE(S).

4. NO TREES SHALL BE REMOVED UNLESS CLEARLY SPECIFIED ON THE PLANS OR IDENTIFIED BY THE ENGINEER.

5. AVOID FILL PLACEMENT NEAR TREE.
NOTES:

1. APPLICATION DESIGNED FOR TREES NO LESS THAN 12" IN DIAMETER.

2. FILL — SEE CLOSM — PLANTING MIX, APPLY TO A DEPTH OF FOUR (4) INCHES AT BASE OF TREE, TAPER TO GRADE, SEED AND MULCH ACCORDING TO CLOSM.

3. STONE — #5, WASHED, MAINTAIN EXPOSED SIX (6) INCH WIDTH AT TRUNK OF TREE, PLACE TO MINIMUM DEPTH OF TWELVE (12) INCHES AND A MAXIMUM OF TWENTY-FOUR (24) INCHES AT THE BASE OF THE TREE AND TAPER OUTWARD TO NO LESS THAN TEN (10) FEET.

4. FABRIC — NON-WOVEN GEOTEXTILE FABRIC, SUCH AS MIRAFI OR EQUIVALENT, PLACED BETWEEN STONE AND FILL, IT IS NOT TO COVER STONE EXPOSED AT TRUNK OF TREE.