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NOTES

1. LOCATE STAKES PARALLEL TO NEAREST ROADWAY OR PAVEMENT AREA FOR UNIFORM APPEARANCE.
2. CENTER TREE IN PLANTING PIT.

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES
STAKING EVERGREEN TREES 5 AND 6 FEET HIGH

STANDARD NO. MD 710.03-01
NOTES

1. PLACE STAKES 120 DEGREES APART.
2. LOCATE TWO STAKES PARALLEL TO NEAREST ROADWAY OR PAVEMENT AREA FOR UNIFORM APPEARANCE.
3. CENTER TREE IN PLANTING PIT.
NOTES

1. PLACE GUYS 120 DEGREES APART.
2. LOCATE TWO GUYS PARALLEL TO NEAREST ROADWAY OR PAVEMENT FOR UNIFORM APPEARANCE.
3. CENTER TREE IN PLANTING PIT.
ATTACH HOSES TO DOMINANT BRANCH

TREES 6' HEIGHT, 1" - 1 1/2" CALIPER - TYPE A FASTENER

TREES 6' HEIGHT, 1 1/2" - 2 1/2" CALIPER - TYPE B FASTENER

(SEE STANDARD MD 710.03-09)

LOCATE WIRES BETWEEN 1/3 AND 1/2 TREE HEIGHT

2" - 3" MIN TO WIRE NOTCH

3" WIRE NOTCH TO HOLD WIRE IN PLACE

3" MULCH DEPTH

4" HIGH SOIL BERM

AMENDED EXISTING SOIL - SEE SPECIFICATIONS FOR DEPTH AND DIAMETER OF PIT

REMOVE BURLAP FROM TOP OF TREE BALL. FOLD DOWN OR CUT OFF TOP OF WIRE BASKET TO BELOW SOIL LEVEL.

PLACE STAKES 5" - 8" FROM ROOT BALL

2" x 2" STAKES. DRIVE STAKES INTO SOLID BEARING GROUND. MINIMUM 10" OR AS REQUIRED TO SUPPORT TREE; CUT TO PROPER HEIGHT AFTER DRIVING.

NOTES

1. LOCATE STAKES PARALLEL TO NEAREST ROADWAY OR PAVEMENT AREA FOR UNIFORM APPEARANCE.
2. CENTER TREE IN PLANTING PIT.
NOTES
1. PLACE GUYS 120 DEGREES APART.
2. LOCATE TWO GUYS PARALLEL TO NEAREST ROADWAY OR PAVEMENT AREA FOR UNIFORM APPEARANCE.
3. CENTER TREE IN PLANTING PIT.
TREES 6' HEIGHT, 1 1/2" CALIPER-TYPE A FASTENER
TREES 6' HEIGHT, 1 3/4" - 2" CALIPER-TYPE B FASTENER
(SEE STANDARD MD 710.03-09)

NOTCH TO HOLD WIRE IN PLACE

3" MULCH DEPTH

4" HIGH SOIL BERM

FINISHED GRADE

REMOVE BURLAP FROM TOP OF TREE BALL. FOLD DOWN OR CUT OFF TOP OF WIRE BASKET TO BELOW SOIL LEVEL.

AMENDED EXISTING SOIL-SEE SPECIFICATIONS FOR DEPTH AND DIAMETER OF PIT

PLACE STAKES 5" - 8" FROM ROOT BALL

2" X 2" STAKES: DRIVE STAKES INTO SOLID BEARING GROUND, MINIMUM 10" BELOW BALL OR AS REQUIRED TO SUPPORT TREE AT PROPER HEIGHT AFTER DRIVING.

NOTES
1. LOCATE STAKES PARALLEL TO NEAREST ROADWAY OR PAVEMENT AREA FOR UNIFORM APPEARANCE.
2. CENTER TREE IN PLANTING PIT.
NOTES
1. PLACE STAKES 120 DEGREES APART.
2. LOCATE TWO STAKES PARALLEL TO NEAREST ROADWAY OR PAVEMENT AREA FOR UNIFORM APPEARANCE.
3. CENTER TREE IN PLANTING PIT.

SPECIFICATION
710

CATEGORICAL CODE ITEMS

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

STAKING SHADE TREES
2 1/2" CALIPER TO 3 1/2" CALIPER

STANDARD NO. MD 710.03-07
NOTES
1. PLACE GUYS 120 DEGREES APART.
2. LOCATE TWO GUYS PARALLEL TO NEAREST ROADWAY OR PAVEMENT AREA FOR UNIFORM APPEARANCE.
3. CENTER TREE IN PLANTING PIT.
SINGLE STRAND 14 GAUGE, GALVANIZED, WIRE FASTENER – TYPE A

DOUBLE STRAND 14 GAUGE, GALVANIZED, WIRE FASTENER – TYPE B

DOUBLE STRAND 12 GAUGE, GALVANIZED, WIRE FASTENER – TYPE C

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

FASTENERS FOR TREE SUPPORT

STANDARD NO. MD 710.03-09
STAGGERED DOUBLE ROW

SINGLE ROW

NOTE
SPACING OF SHRUBS AND WIDTH OF BED ARE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

IRREGULAR BED
PLAN VIEW - PLANTING BED ON SLOPE

NOTE

SPACING FOR SHRUBS AND WIDTH OF BED ARE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
**SHADE TREE**

Prune to remove broken, dead, and damaged branches. Prune to improve structure by removing suckers and least desirable of crossing or rubbing branches. On trees with dominant leaders, remove competing secondary leaders. On shade trees, remove lower limbs when required. All pruning shall be as approved by the engineer.

Pruning shall conform with the current edition of the National Arborist Association Standards.

**FLOWERING TREE**

Long branches - cut back to lateral branches. Do not leave stubs.

**SHRUB**

Broken branch - cut back to a lateral branch.

Prune only to remove broken and unusually long branches.
PLANTING IN WELL-DRAINED SOIL

LOCATE ROOT COLLAR SO THAT 1/4 OF ROOT MASS IS ABOVE EXISTING GRADE

AMENDED TOPSOIL
MULCH
SOIL BERM

EXISTING GRADE
AMENDED EXISTING SOIL

PLANTING IN WET, POORLY DRAINED SOIL

LOCATE ROOT COLLAR 1" - 2" ABOVE EXISTING GRADE

MULCH
SOIL BERM

EXISTING GRADE
AMENDED EXISTING SOIL
SEE SPECIFICATIONS FOR PIT DIAMETER AND DEPTH

PLANTING IN COMPACTED SOIL

ROOT COLLAR HEIGHTS FOR VARYING SOIL CONDITIONS

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

STANDARD NO. MD 710.03-15