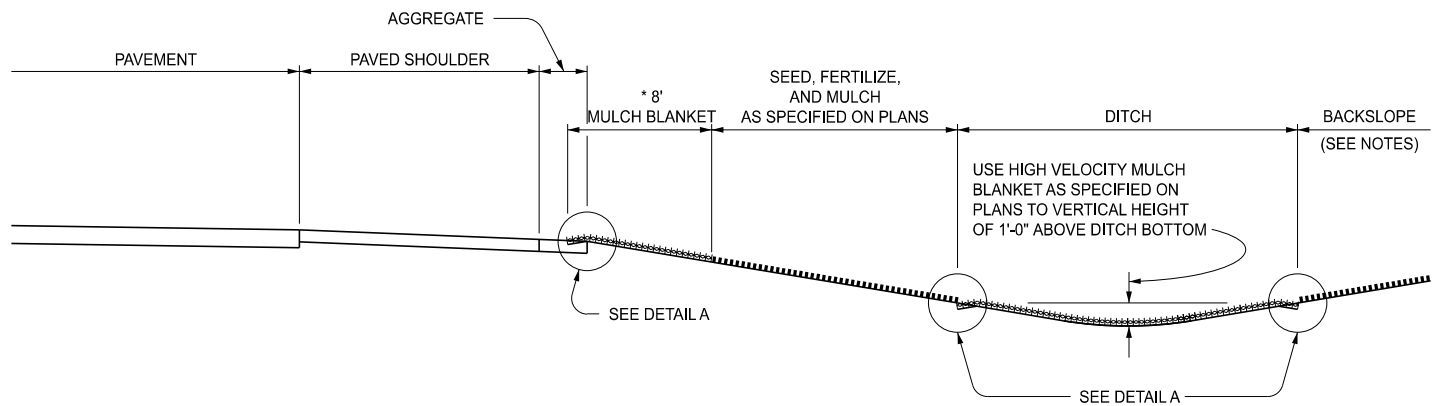
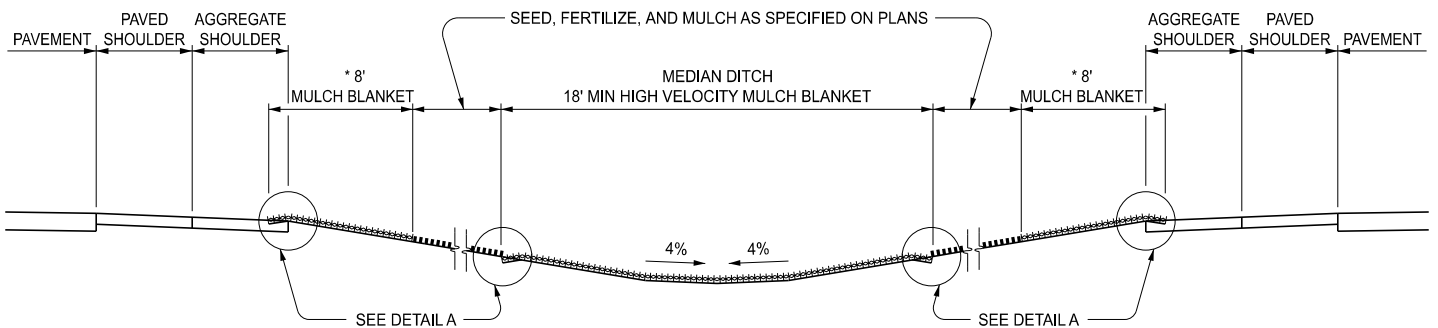


MULCH BLANKET
ON GUARDRAIL FILL SLOPE

DETAIL A



TYPICAL SLOPE AND DITCH PROTECTION



MULCH BLANKET SPILLWAY DITCH

* NOTE:

USE MULCH BLANKET ON BOTH SIDES OF NORMAL SECTIONS, HIGH SIDES OF ALL SUPERELEVATED SECTIONS, AND LOW SIDES OF PAVEMENTS HAVING A SUPERELEVATION OF 5% OR LESS. USE HIGH VELOCITY MULCH BLANKET ON THE LOW SIDE OF PAVEMENTS HAVING A RATE OF SUPERELEVATION GREATER THAN 5%.

APPROVED BY: _____
DIRECTOR, BUREAU OF FIELD SERVICES

APPROVED BY: _____
DIRECTOR, BUREAU OF DEVELOPMENT



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

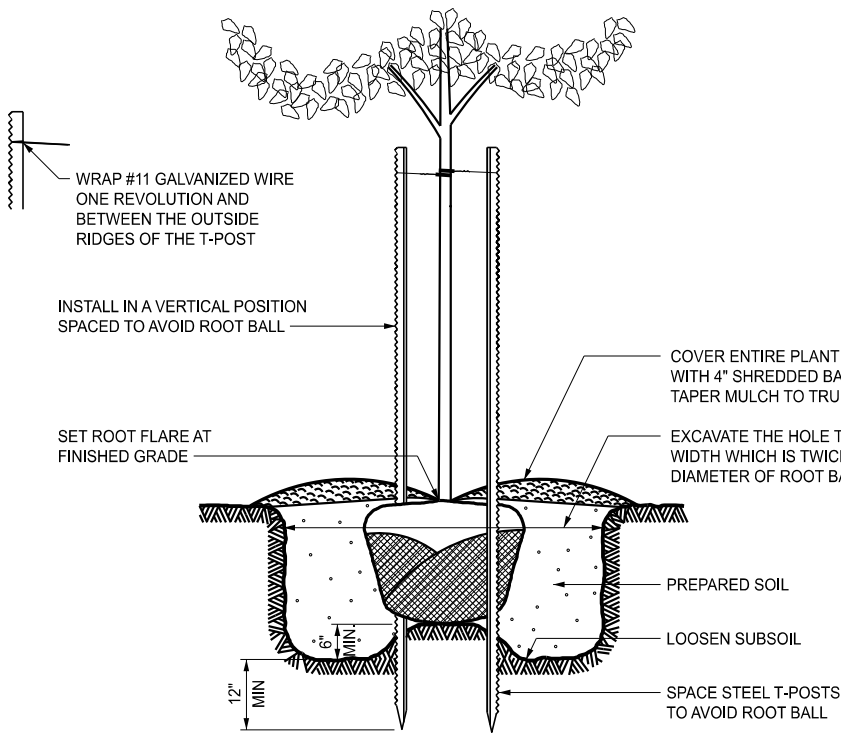
STANDARD PLAN FOR
SEEDING AND TREE PLANTING

SPECIAL DETAIL
FHWA APPROVAL

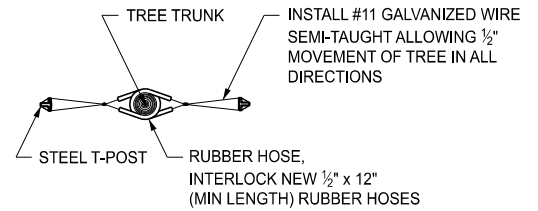
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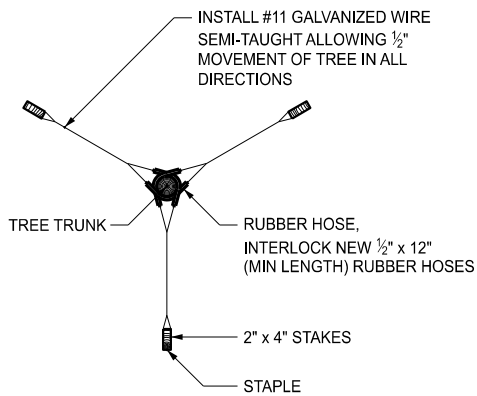
BRACING - VERTICAL STAKES



BRACING DETAIL

BRACE DECIDUOUS TREES 2" TO 4" IN CALIPER OR 8' OR MORE IN HEIGHT WITH TWO STAKES.

BRACE DECIDUOUS TREES LESS THAN 2" IN CALIPER OR 8' IN HEIGHT WITH ONE STAKE ON THE WESTERLY SIDE OF THE PLANT.

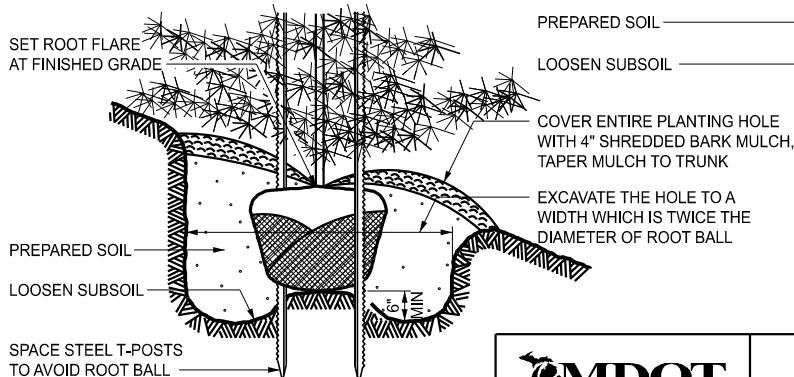


TRIPOD GUYING DETAIL

GUY EVERGREENS OVER 4" IN CALIPER OR 6' IN HEIGHT WITH THE TRIPOD METHOD AND UNDER 6' IN HEIGHT WITH TWO STAKES.



GUYING - TRIPOD METHOD



SLOPE PLANTING



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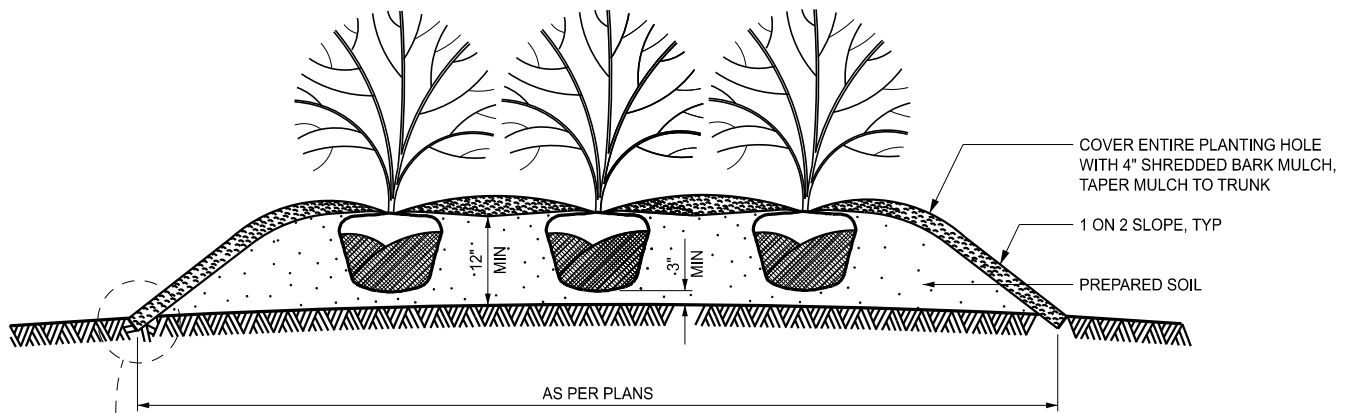
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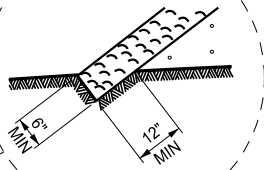
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RAISED SHRUB BED DETAIL

SHRUB BED EDGING DETAIL

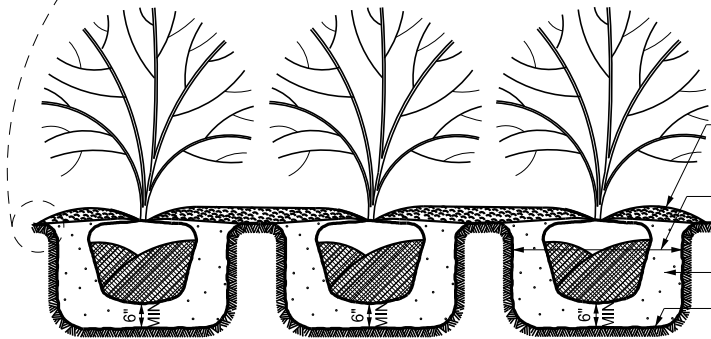


INCLUDE SHRUB BEDS IN THE FIRST AND SECOND WATERING AND CULTIVATION.

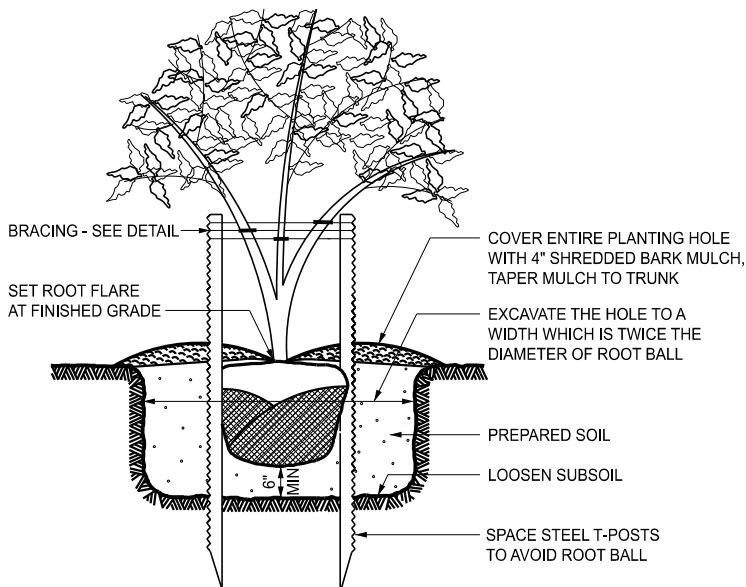
CUT 6" x 12" (MIN) EDGING AROUND THE PERIMETER OF ALL SHRUB BEDS SHOWN ON THE PLANS. SPRAY A NON-PERSISTANT GLYPHOSATE HERBICIDE TO ENTIRE SHRUB BEDS PRIOR TO PLANTING AND BARK PLACEMENT.

USE THE PAY ITEM 'SITE PREPARATION, MAX' TO PAY FOR SHRUB BEDS.

SET ALL PLANTS PLUMB AND FACE THE BEST SIDE OF THE PLANT IN THE MAIN DIRECTION OF VIEWING.



SHRUB BED DETAIL



MULTIPLE STEM TREES

PLANTING NOTES:

REMOVE ALL EXCAVATED MATERIAL FROM THE SITE IMMEDIATELY.

LOOSEN SUBSOIL TO A DEPTH OF 4". LOOSEN EARTH ON SIDES OF PLANT POCKET TO BREAK ANY GLAZING CAUSED BY DIGGING.

FILL WITH PREPARED SOIL TO $\frac{1}{2}$ THE DEPTH OF THE ROOT BALL AND PACK FIRMLY. THEN PUDDLE WITH WATER.

BACKFILL WITH PREPARED SOIL SO THAT AFTER COMPACTION THE AREA IS FLUSH WITH THE SURROUNDING GROUND LEVEL.

COVER ENTIRE PLANT POCKET AREA WITH 4" MULCH. PRUNE, BRACE AND GUY.

COMPLETELY REMOVE ANY CONTAINERS PLANTS ARE FURNISHED IN BEFORE PLANTING.

TREE HEIGHTS ARE SHOWN BEFORE PRUNING. TREE PLANTING DEPTHS ARE SHOWN AFTER SETTLING.



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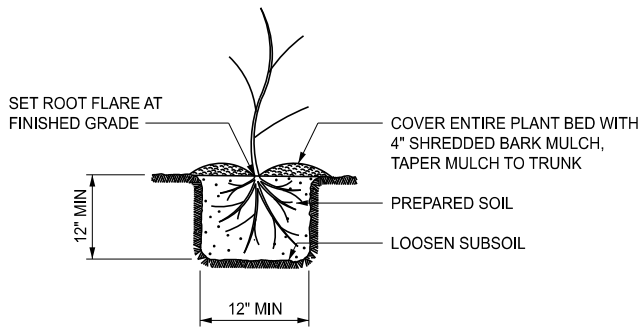
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BARE ROOT PLANTS

PLANTING BARE ROOT PLANT MATERIAL

REFER TO THE "SPECIAL PROVISIONS FOR BARE ROOT PLANTING" FOR SHIPPING, STORAGE AND HANDLING REQUIREMENTS.

KEEP ROOTS IMMERSED IN WATER PRIOR TO PLANTING TO MAINTAIN ROOT MOISTURE.

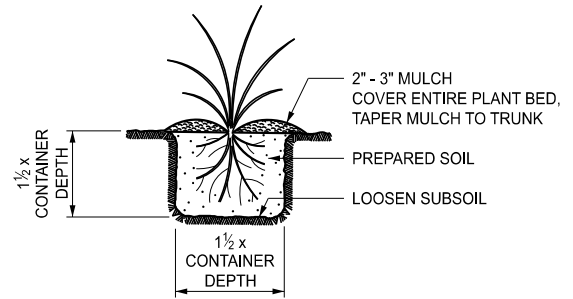
PRUNE ROOTS AS NECESSARY (TO REMOVE ALL DAMAGED OR BROKEN ROOTS) AND AS REQUIRED BY THE DISTRICT FORESTER OR RESOURCE SPECIALIST.

DIG PLANTING HOLES AT LEAST 12" WIDE AND 12" DEEP TO ACCOMMODATE ROOT MASS.

SET PLANTS PLUMB WITH THE ROOT SPREAD PUT IN A NATURAL POSITION AT A DEPTH EQUAL TO THE DEPTH AT THE NURSERY.

HOLD PLANT FIRMLY AND PUDDLE (NOT TAMP) THE BACKFILL AROUND THE ROOTS WITH WATER. USE SUFFICIENT WATER TO ENSURE SATURATION OF THE BACKFILL, BUT DO NOT OVERWATER, CAUSING A FLOATING SOIL MASS WHICH PREVENTS COMPACTION AND MAY RESULT IN AIR POCKETS ADJACENT TO THE ROOTS. ENSURE BACKFILL IS FLUSH WITH THE GROUND AFTER COMPACTION.

COVER ENTIRE PLANT POCKET AREA WITH 4" MULCH AS SHOWN.



PERENNIAL PLANTS

INCLUDE PERENNIAL BEDS IN THE FIRST AND SECOND WATERING AND CULTIVATION.

USE FULLY DEVELOPED CONTAINER PLANTS FOR PERENNIALS.

EXCAVATE ENTIRE PERENNIAL BED DOWN 12" AND REPLACE WITH 12" OF PREPARED SOIL.

USE THE PAY ITEM 'SITE PREPARATION, MAX' TO PAY FOR PERENNIAL BEDS.

SEEDING NOTES:

THIS STANDARD ILLUSTRATES THE TYPICAL USE OF SEEDING WITH MULCH (AS THESE ITEMS RELATE TO ROADWAY CONSTRUCTION). USE THE PLANS AND STANDARD SPECIFICATIONS FOR CONSTRUCTION TO DETERMINE THE ACTUAL DESIGN AND MATERIALS USED TO CONSTRUCT THE COMPLETE SECTION (WHICH INCLUDES SEEDING WITH MULCHING).

ITEMS CALLED FOR ON THIS STANDARD ARE OPTIONAL FOR EROSION CONTROL MEASURES. SEE STANDARD PLAN R-96-SERIES.

USE HIGH VELOCITY MULCH BLANKET ON ALL DITCHES FOR EROSION CONTROL.

SEED, FERTILIZE, AND MULCH WITH MULCH BLANKET THE FIRST 8' BEHIND THE CURB OR SHOULDER IN URBAN MEDIAN AREAS. FOR THE REMAINING AREAS, SEED, FERTILIZE, AND MULCH WITH MULCH BLANKET (OR STANDARD MULCH ANCHORED IN PLACE WITH A MULCH ADHESIVE OR A MULCH NET).

SEED, FERTILIZE, AND TOPSOIL (AS SPECIFIED ON PLANS) ALL AREAS WHERE MULCH BLANKET IS CALLED FOR. NO MULCH OR ANCHORING MULCH IS REQUIRED WHERE MULCH BLANKET IS INSTALLED.

APPLY THE FRONT SLOPE RESTORATION TREATMENT TO THE BACKSLOPE.



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

STANDARD PLAN FOR SEEDING AND TREE PLANTING

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