

**NOTES:**

1. GRADE LEVEL AT TOP OF BASE SHALL BE CONSIDERED GRADE LINE FOR PURPOSE OF TREE PLANTING.
2. TREE SHALL BE INSTALLED PER DDOT STANDARD SPECIFICATIONS, SECTION 608.02.
3. USE OF TREE GRATE REQUIRES DDOT URBAN FORESTRY APPROVAL.

ISSUED: 8/2015

RECOMMENDED:

*Atil Raj*  
PROJECT MANAGER

REVISION APPROVAL

APPROVED:

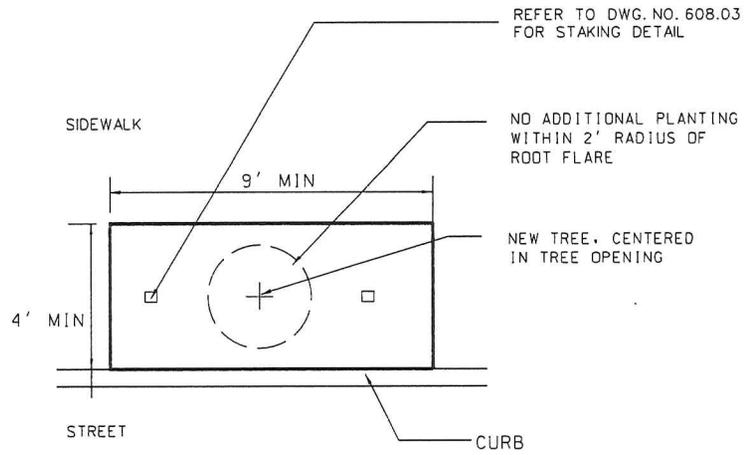
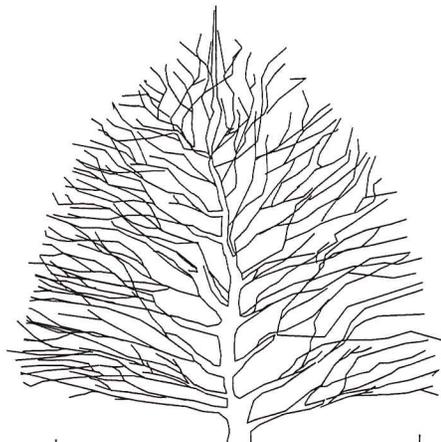
*Muhammed Kheid*  
CHIEF ENGINEER

**TREE WITH GRATE  
TYPICAL SECTION**

**d.**

DISTRICT OF COLUMBIA  
DEPARTMENT OF TRANSPORTATION

DWG. NO. 608.01



PLAN VIEW

DO NOT PLACE MULCH ADJACENT TO BASE OF TRUNK

SET ROOT BALL FLARE OF TRUNK ABOVE FINISH GRADE

STANDARD DC CURB & GUTTER

STREET

4' MIN VARIES

3' DEPTH SOIL

2" MULCH

TOP OF MULCH 2" BELOW SIDEWALK

SIDEWALK

SOIL VOLUME MAY EXTEND BELOW SIDEWALK TO MEET VOLUME REQUIREMENTS, REFER TO DDOT GREEN INFRASTRUCTURE STANDARDS FOR DETAILS

UNDISTURBED SUBSOIL

SECTION

NOTES:

1. TREE SHALL BE INSTALLED PER DDOT STANDARD SPECIFICATIONS, SECTION 608.02
2. TREE SOIL VOLUMES SHALL BE ACHIEVED PER DDOT GREEN INFRASTRUCTURE STANDARDS
3. REFER TO SPRING AND FALL PLANTING SEASONS ON DWG. NO. 608.08 AND 608.09
4. REFER TO BEAUTIFICATION OF TREE SPACES IN DCMR TITLE 24, SECTION 109
5. CONTACT UFA WARD ARBORIST 48-HOURS PRIOR TO PLANTING @ 202-671-5133

ISSUED:	8/2015
REVISION	APPROVAL

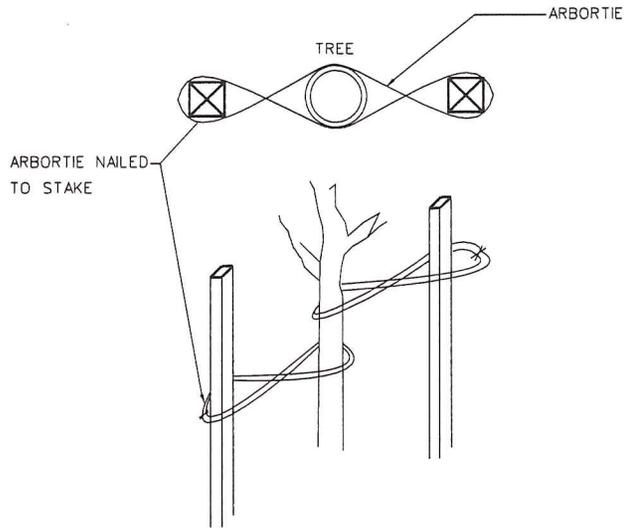
RECOMMENDED: *Adil Riaz*  
PROJECT MANAGER

APPROVED: *Muhammed Chahid*  
CHIEF ENGINEER

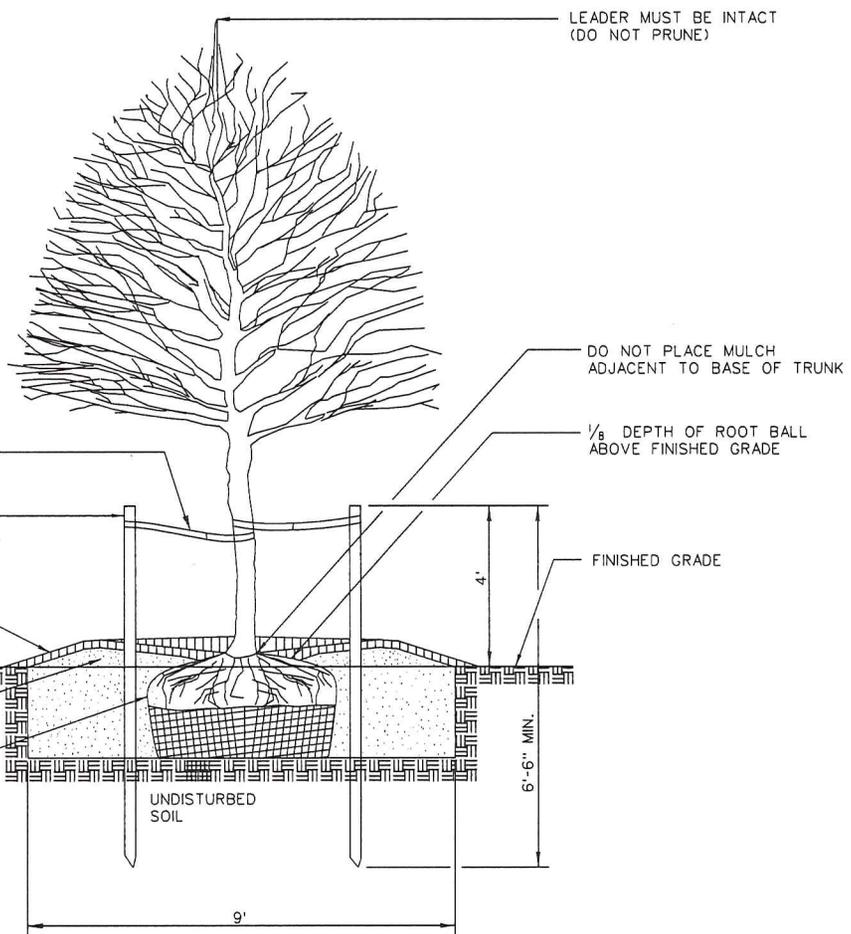
STANDARD PLANTING DETAILS  
STREET TREE

**d.** DISTRICT OF COLUMBIA  
DEPARTMENT OF TRANSPORTATION

DWG. NO. 608.02



STAKING DETAIL



DECIDUOUS TREE PLANTING W/ STAKES

NOTES:

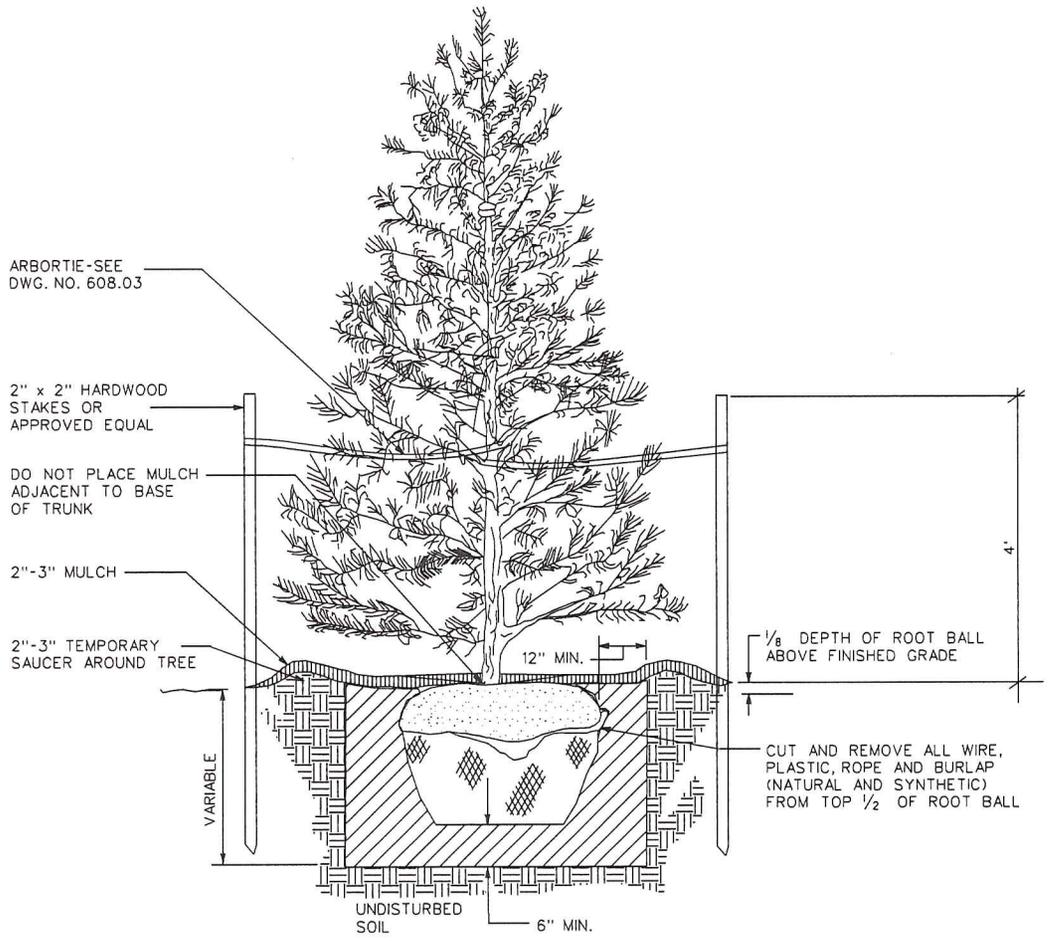
1. TREE SHALL BE INSTALLED PER DDOT STANDARD SPECIFICATIONS, SECTION 608.02.
2. ALL STAKING MATERIALS TO BE REMOVED AT THE END OF THE PLANT ESTABLISHMENT PERIOD.

ISSUED: 8/2015	RECOMMENDED: <i>Adil Riaz</i>
REVISION	APPROVAL
	PROJECT MANAGER
	APPROVED: <i>Muhammed Kholid</i>
	CHIEF ENGINEER

STANDARD PLANTING DETAILS  
DECIDUOUS TREE

**d.** DISTRICT OF COLUMBIA  
DEPARTMENT OF TRANSPORTATION

DWG. NO. 608.03



PLANTING AND STAKING DETAIL

NOTES:

1. TREE SHALL BE INSTALLED PER DDOT STANDARD SPECIFICATIONS, SECTION 608.02
2. ALL STAKING MATERIALS TO BE REMOVED AT THE END OF THE PLANT ESTABLISHMENT PERIOD.
3. FOR EVERGREEN TREES UNDER 6' HEIGHT, NO STAKING IS REQUIRED.

ISSUED: 8/2015

RECOMMENDED:

*Adil Raza*  
PROJECT MANAGER

APPROVED:

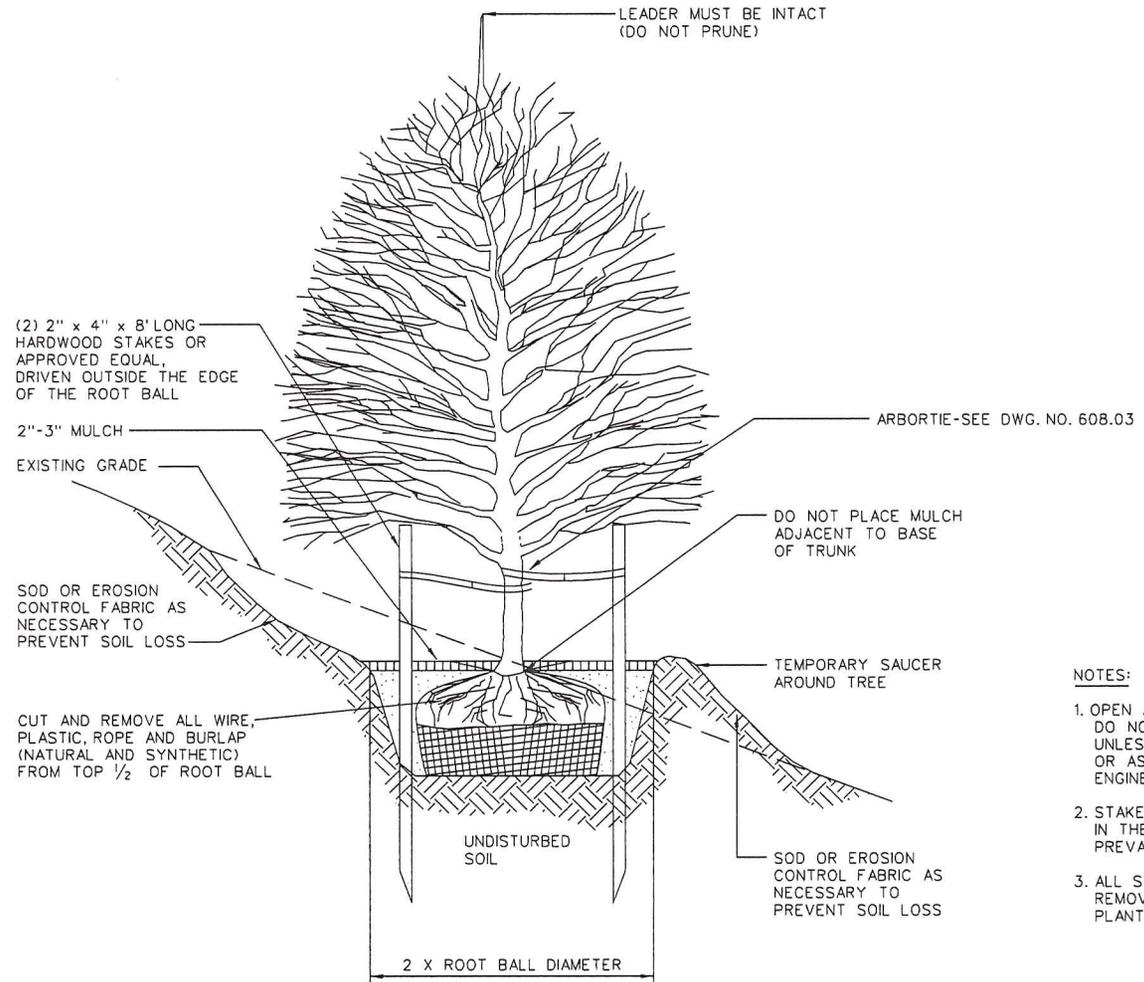
*Muhammed Khalid*  
CHIEF ENGINEER

STANDARD PLANTING DETAILS  
EVERGREEN TREE

d.

DISTRICT OF COLUMBIA  
DEPARTMENT OF TRANSPORTATION

DWG. NO. 608.04



- NOTES:**
1. OPEN AREAS, SUCH AS PARKS, DO NOT REQUIRE STAKING UNLESS IN A HIGH WIND AREA OR AS DIRECTED BY THE ENGINEER.
  2. STAKES SHALL BE ALIGNED IN THE DIRECTION OF THE PREVAILING WIND.
  3. ALL STAKING MATERIALS TO BE REMOVED AT THE END OF THE PLANT ESTABLISHMENT PERIOD.

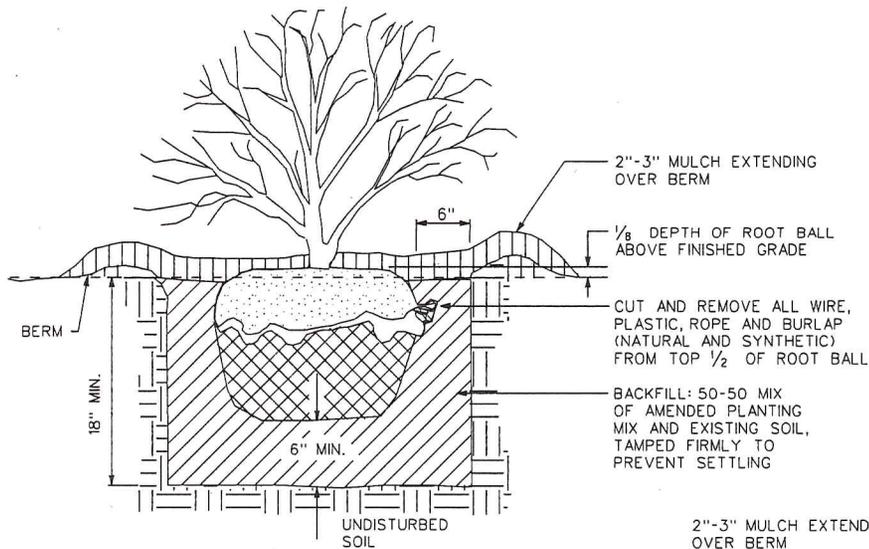
TREE PLANTING ALONG SLOPE

ISSUED: 8/2015	RECOMMENDED: <i>Adil Riaz</i>
REVISION	APPROVAL
	PROJECT MANAGER
	APPROVED: <i>Muhammed Khalid</i>
	CHIEF ENGINEER

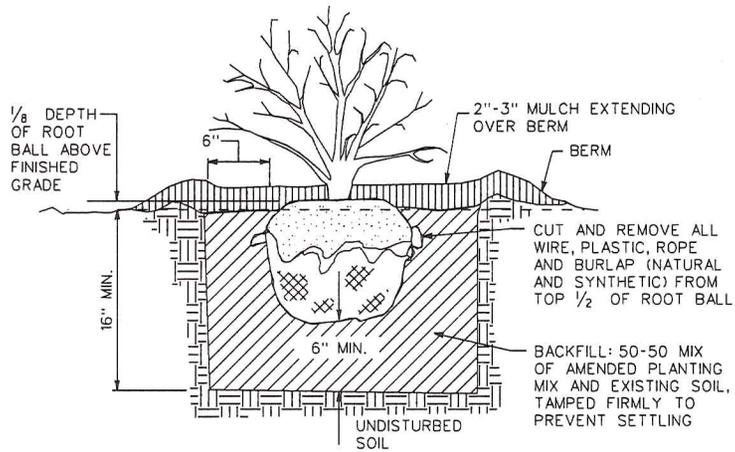
STANDARD PLANTING DETAILS  
TREE ON SLOPE

**d.** DISTRICT OF COLUMBIA  
DEPARTMENT OF TRANSPORTATION

DWG. NO. 608.05



FOR SHRUBS 2' TO 4' IN HEIGHT



FOR SHRUBS UNDER 2' IN HEIGHT

2"-3" MULCH EXTENDING OVER BERM

6"

1/8" DEPTH OF ROOT BALL ABOVE FINISHED GRADE

CUT AND REMOVE ALL WIRE, PLASTIC, ROPE AND BURLAP (NATURAL AND SYNTHETIC) FROM TOP 1/2 OF ROOT BALL

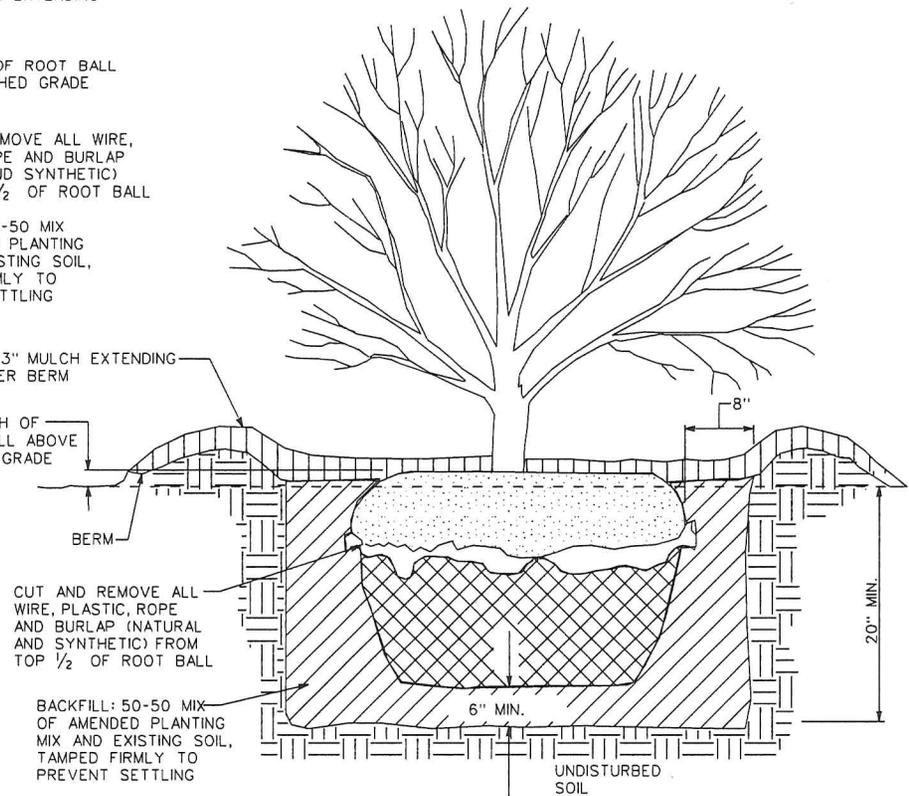
BACKFILL: 50-50 MIX OF AMENDED PLANTING MIX AND EXISTING SOIL, TAMPED FIRMLY TO PREVENT SETTLING

6" MIN.

UNDISTURBED SOIL

2"-3" MULCH EXTENDING OVER BERM

1/8" DEPTH OF ROOT BALL ABOVE FINISHED GRADE



FOR SHRUBS 4' IN HEIGHT AND OVER

CUT AND REMOVE ALL WIRE, PLASTIC, ROPE AND BURLAP (NATURAL AND SYNTHETIC) FROM TOP 1/2 OF ROOT BALL

BACKFILL: 50-50 MIX OF AMENDED PLANTING MIX AND EXISTING SOIL, TAMPED FIRMLY TO PREVENT SETTLING

6" MIN.

UNDISTURBED SOIL

ISSUED:	8/2015
REVISION	APPROVAL

RECOMMENDED: *Adil Raza*  
PROJECT MANAGER

APPROVED: *Muhammed Khelid*  
CHIEF ENGINEER

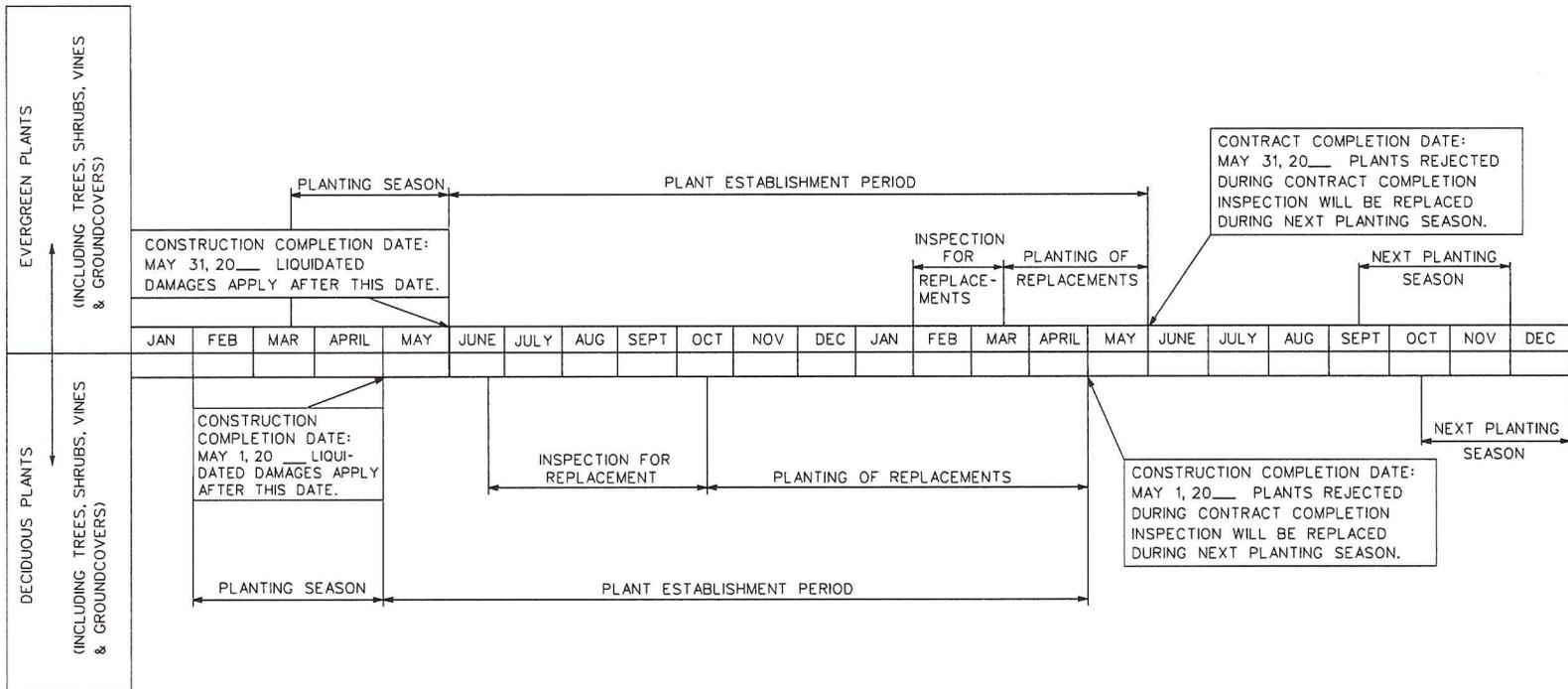
## STANDARD PLANTING DETAILS SHRUBS

d.

DISTRICT OF COLUMBIA  
DEPARTMENT OF TRANSPORTATION

DWG. NO. 608.06





**NOTE:**

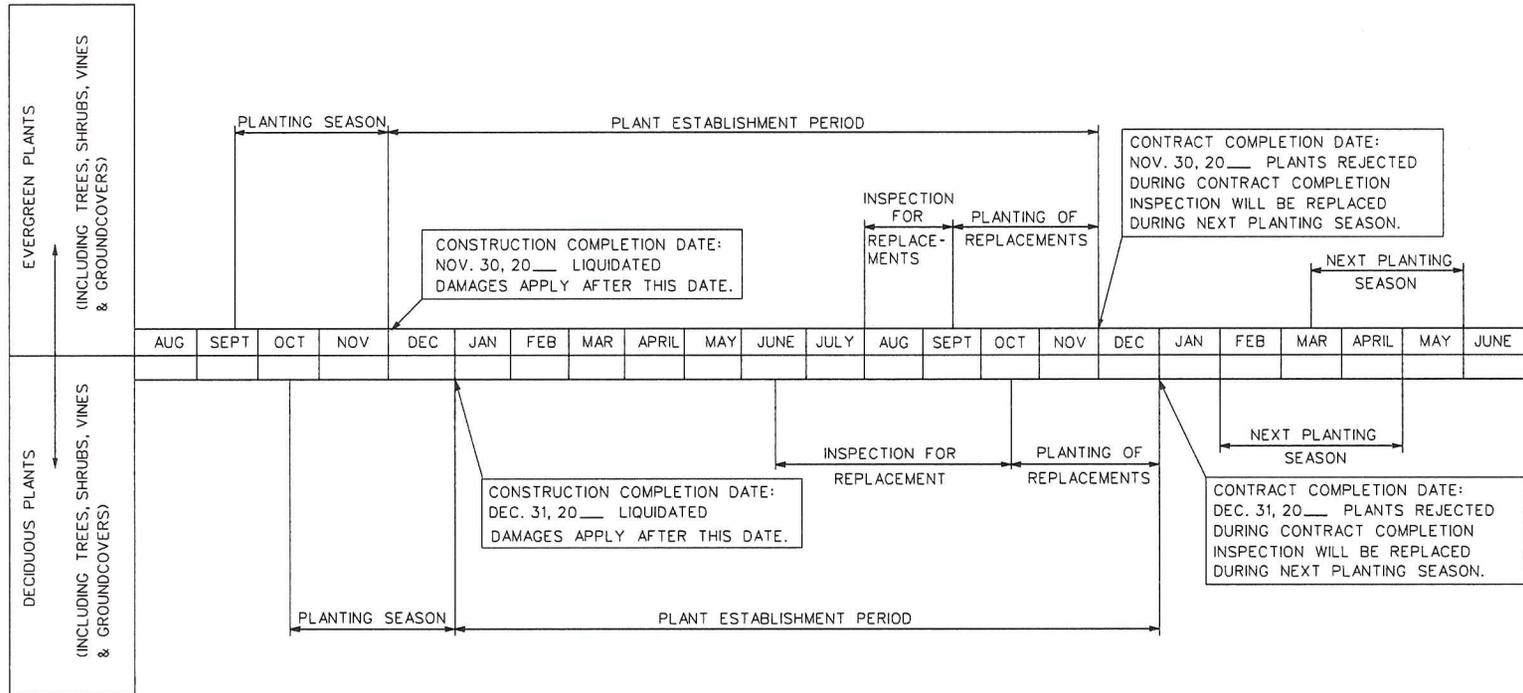
1. FOR DURATION OF CONTRACTOR'S LIABILITY, SEE DDOT STANDARD SPECIFICATION, 608.02.

ISSUED: 8/2015	RECOMMENDED: <i>Artur Pij</i>
REVISION	APPROVAL
	PROJECT MANAGER
	APPROVED: <i>Muhammad Khalid</i>
	CHIEF ENGINEER

**PLANTING & PLANT ESTABLISHMENT PERIODS  
SPRING PLANTING SEASON**

**d.** DISTRICT OF COLUMBIA  
DEPARTMENT OF TRANSPORTATION

DWG. NO. 608.08



**NOTE:**

1. FOR DURATION OF CONTRACTOR'S LIABILITY, SEE DDOT STANDARD SPECIFICATION, 608.02.

ISSUED:	8/2015
REVISION	APPROVAL

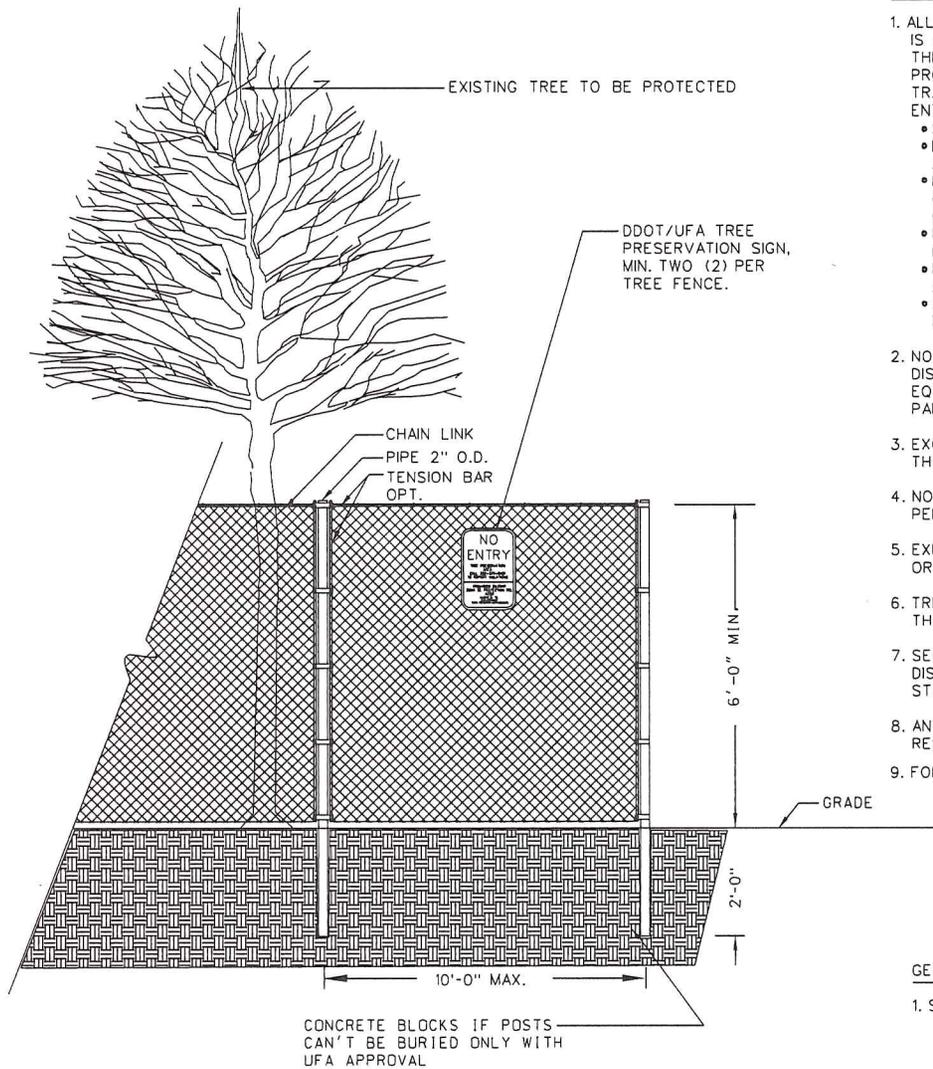
RECOMMENDED: *Adil Raj*  
PROJECT MANAGER

APPROVED: *Muhammed Kholid*  
CHIEF ENGINEER

**PLANTING & PLANT ESTABLISHMENT PERIODS  
FALL PLANTING SEASON**

**d.** DISTRICT OF COLUMBIA  
DEPARTMENT OF TRANSPORTATION

DWG. NO. 608.09



TREE PROTECTION NOTES:

1. ALL EXISTING STREET TREES, TO REMAIN WITHIN A WORK ZONE UNTIL A PROJECT IS COMPLETED, REQUIRE THE FOLLOWING AS TREE PROTECTION. IF FOR ANY REASON THE SCOPE OF THE PROJECT REQUIRES WORK TO BE PERFORMED WITHIN THE FENCED PROTECTION ZONE, THE PERMIT HOLDER MUST CONTACT THE DISTRICT DEPARTMENT OF TRANSPORTATION'S URBAN FORESTRY ADMINISTRATION (UFA) AT 202-671-5133 BEFORE ENTERING.
  - SIX (6) FOOT TALL CHAIN LINK FENCING ON ALL SIDES.
  - INSTALL FENCING PRIOR TO AND MAINTAIN THROUGHOUT CONSTRUCTION, REMOVING ONLY AT THE END OF THE PROJECT.
  - FENCING SHALL PROTECT AN AREA NO SMALLER THAN FOUR (4) FEET BY NINE (9) FEET, CENTERED ON THE TREE, OR ENCLOSE MULTIPLE STREET TREES WHEN IN A CONTINUOUS, OPEN TREE PLANTING SPACE AND SITE ACCESS ALLOWS.
  - FENCING SHALL HAVE VERTICAL AND HORIZONTAL SUPPORT RAILINGS TO DECREASE FLEXIBILITY AND PREVENT SAGGING.
  - FENCE POSTS SHALL BE ANCHORED IN THE GROUND TO PREVENT MOVEMENT AND PROVIDE A SECURE BARRIER.
  - A MINIMUM OF TWO (2) DDOT/UFA STANDARD TREE PRESERVATION SIGNS SHALL BE MOUNTED ON THE FENCE OF EACH ENCLOSED TREE PROTECTION AREA.
2. NO INSTALLATION OF SILT FENCE/SUPER SILT FENCE, TRENCHING, ALTERATION OR DISTURBANCE TO EXISTING GRADE; STAGING/STORAGE OF CONSTRUCTION MATERIALS, EQUIPMENT, SOIL, OR DEBRIS; DISPOSAL OF ANY MATERIALS SUCH AS CONCRETE, GAS, OIL, PAINT, OR BLACKTOP IS ALLOWED WITHIN THE FENCED TREE PROTECTION ZONE.
3. EXCAVATIONS WITHIN THE DRIP LINE SHALL PROCEED WITH CARE BY USE OF HAND TOOLS. THE DRILINE IS DEFINED AS THE GROUND AREA UNDER THE CANOPY OF THE TREE.
4. NO ROOTS LARGER THAN TWO (2) INCHES IN DIAMETER ARE TO BE CUT WITHOUT UFA PERMISSION.
5. EXPOSED ROOTS TWO (2) INCHES AND LARGER IN DIAMETER SHALL BE WRAPPED IN BURLAP OR OTHER APPROVED MATERIAL AND KEPT MOIST AT ALL TIMES.
6. TREES THAT ARE PROTECTED ARE TO BE WATERED EVERY TEN (10) DAYS FROM APRIL THROUGH SEPTEMBER.
7. SECTION 608.07 - TREE PROTECTION AND 608.08 - TREE ROOT PROTECTION OF THE 2013 DISTRICT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND STRUCTURES WILL APPLY SHOULD ANY DAMAGE OCCUR TO THE EXISTING STREET TREES.
8. ANY FINES RELATED TO DAMAGE TO A STREET TREE ON A JOB SITE SHALL BE THE RESPONSIBILITY OF THE PERMIT HOLDER.
9. FOR ANY QUESTIONS, CALL DDOT URBAN FORESTRY ADMINISTRATION AT 202-671-5133.

GENERAL NOTES:

1. SEE TREE PROTECTION FENCE - PLAN, DWG. NO. 608.11

ISSUED:	8/2015
REVISION	APPROVAL

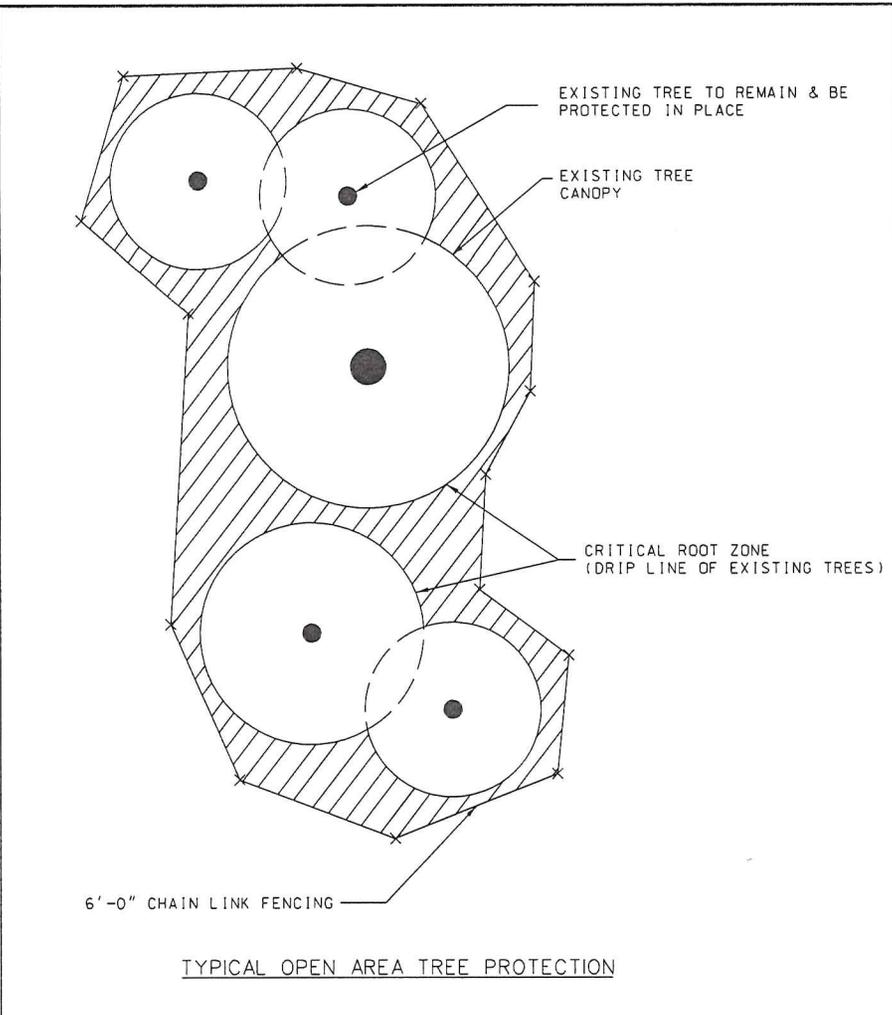
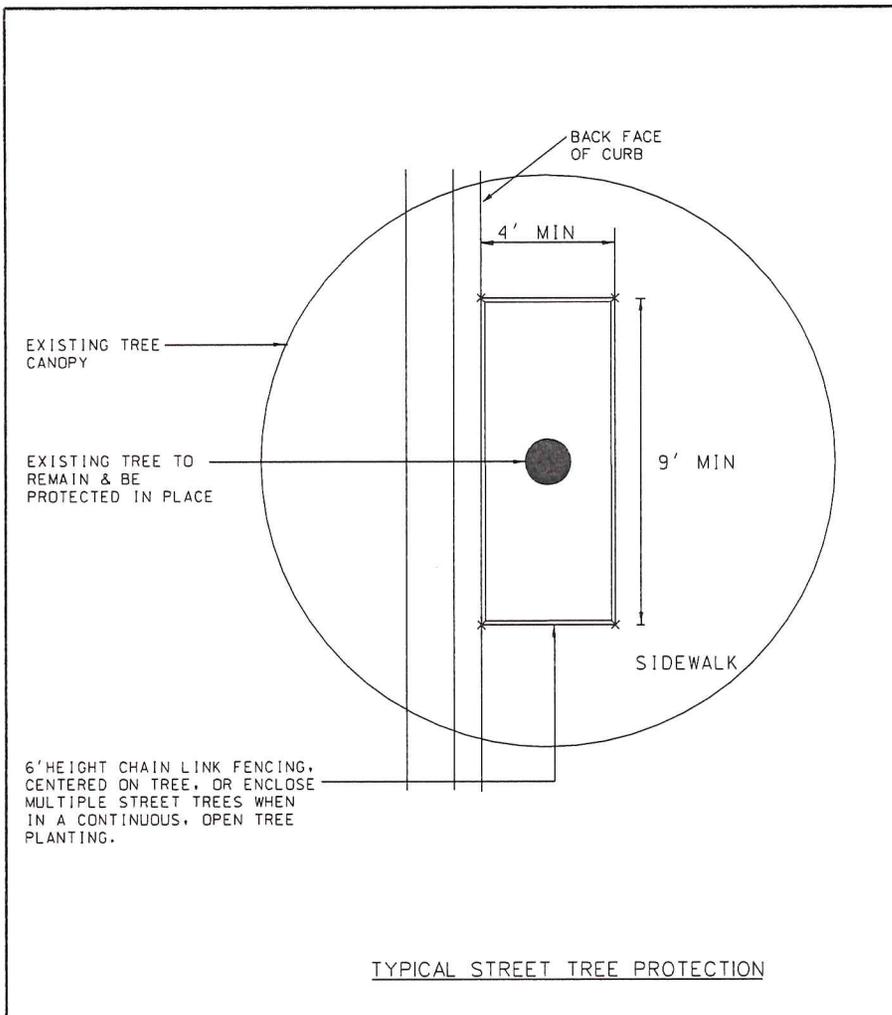
RECOMMENDED: *Adil Riaz*  
PROJECT MANAGER

APPROVED: *Muhammed Kholid*  
CHIEF ENGINEER

TREE PROTECTION FENCE -  
ELEVATION

**d.** DISTRICT OF COLUMBIA  
DEPARTMENT OF TRANSPORTATION

DWG. NO. 608.10



NOTES:

- FOR STREET TREES (TREES PLANTED IN THE TREE PLANTING SPACE BETWEEN CURB AND SIDEWALK), REFER TO DETAIL ABOVE LABELED "TYPICAL STREET TREE PROTECTION" FOR TREES IN OPEN AREAS (PUBLIC PARKING BEHIND SIDEWALK OR PARK SPACE), REFER TO DETAIL ABOVE LABELED "TYPICAL OPEN AREA TREE PROTECTION".
- SEE TREE PROTECTION FENCE-ELEVATION, DWG. NO. 608.10 FOR TREE PROTECTION NOTES.

ISSUED:	8/2015
REVISION	APPROVAL

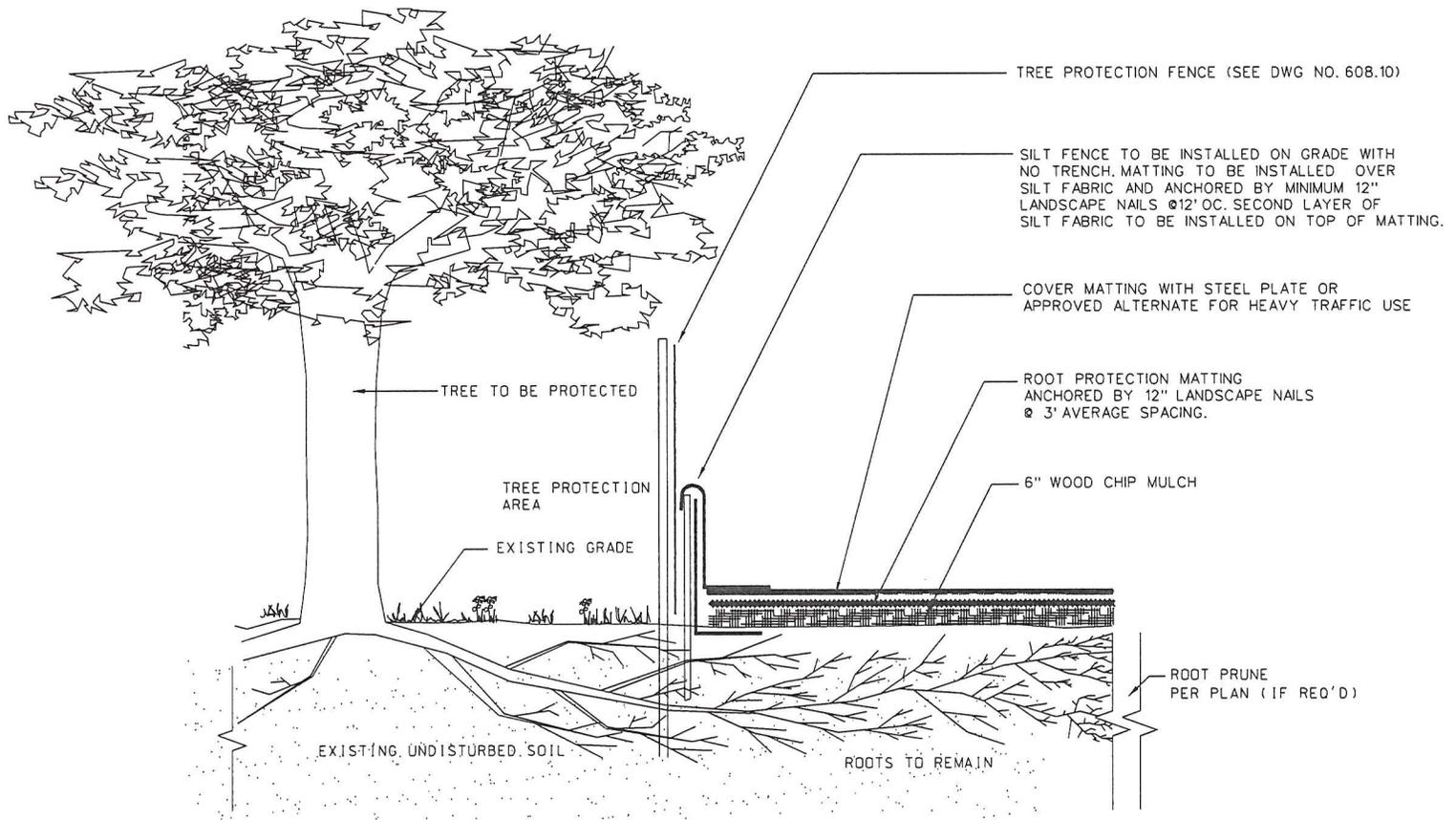
RECOMMENDED: *Adil Rijaz*  
PROJECT MANAGER

APPROVED: *Muhammad Kholid*  
CHIEF ENGINEER

TREE PROTECTION FENCE - PLAN VIEW

**d.** DISTRICT OF COLUMBIA  
DEPARTMENT OF TRANSPORTATION

DWG. NO. 608.11



**NOTES:**

1. MATTING MATERIAL SHALL BE DOUBLE SIDED GEOCOMPOSITE, GEONET CORE WITH NON-WOVEN COVERING (SUCH AS TENSAR ROADRAIN RD7) OR APPROVED EQUIVALENT.
2. ROOT PROTECTION MATTING SHALL BE INSTALLED BY A CERTIFIED ARBORIST.
3. TO BE USED FOR DESIGNATED TEMPORARY CONSTRUCTION ACCESS AND STOCKPILE AREAS.
4. MATTING SHALL BE PLACED ON 6" WOOD CHIP MULCH UNLESS OTHERWISE DIRECTED.
5. FOR HEAVY TRAFFIC AREAS, MATTING SHALL BE COVERED WITH STEEL PLATES.

ISSUED: 8/2015  
 REVISION APPROVAL

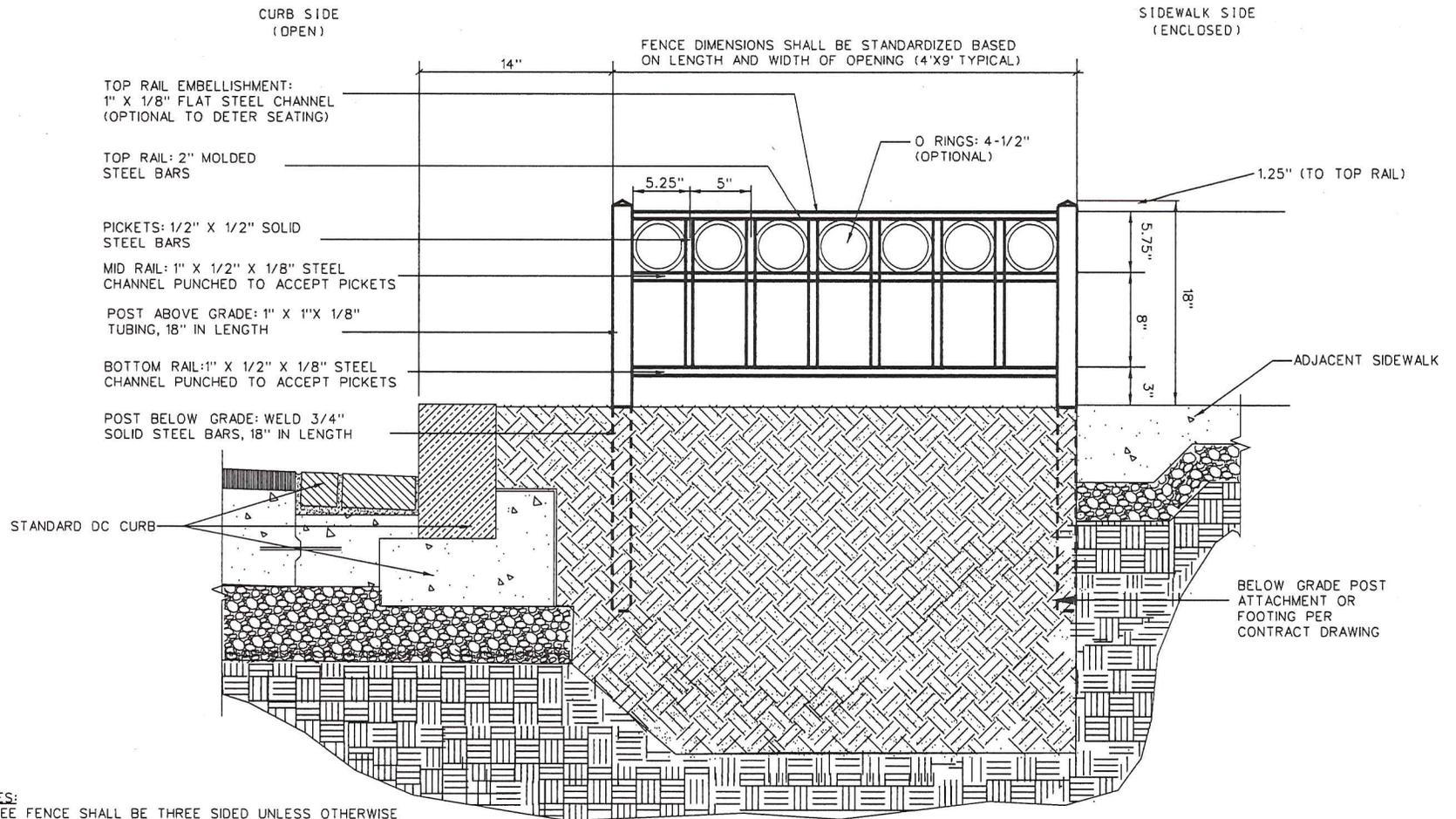
RECOMMENDED: *Adil Raza*  
 PROJECT MANAGER

APPROVED: *Muhammed Kholid*  
 CHIEF ENGINEER

**TREE ROOT PROTECTION  
 W/SILT FENCE**

**d.** DISTRICT OF COLUMBIA  
 DEPARTMENT OF TRANSPORTATION

DWG. NO. 608.12



**NOTES:**

1. TREE FENCE SHALL BE THREE SIDED UNLESS OTHERWISE SPECIFIED, OPEN SIDE FACING THE CURB.
2. ORNAMENTAL TREE FENCE MATERIALS AND CONSTRUCTION REQUIREMENTS SHALL BE PER DDOT STANDARD SPECIFICATION, SECTION 608.06.
3. FOR EXISTING TREE OPENINGS, FIELD MEASUREMENTS ARE REQUIRED PRIOR TO FABRICATION.
4. ADDITIONAL POST REQUIRED ALONG THE LENGTH (9 FEET) AT MID- POINT. IF TREE OPENING LENGTH EXCEEDS 12 FEET, POSTS SHOULD BE WELDED EVERY 4 FEET ALONG LENGTH.

ISSUED: 8/2015	RECOMMENDED: <i>Adil Raj</i>
REVISION	APPROVAL
	PROJECT MANAGER
	APPROVED: <i>Muhammad Khalid</i>
	CHIEF ENGINEER

**ORNAMENTAL TREE FENCE**

**d.** DISTRICT OF COLUMBIA  
DEPARTMENT OF TRANSPORTATION

DWG. NO. 608.13