

GENERAL NOTES

1. ALL THE TREES TRIMMED AND PRUNED SHALL BE SHOWN
2. ALL TREES SHOWN

3. NO SITE PREP COMPLETED AND
4. TREE PROTECTION REPAIRED BY THE
5. THE CONTRACTOR TREES. EXCAVATION INSPECTOR.

6. THE ROOT PRO-
WHICH NO EQUIP-
DIAMETER INCH
ZONE AROUND T
ACCORDING TO F
WILT.

7. ACCESS TO F
8. GRADING, IF
9. TREES, SHRUBS, AND OTHER PLANTS TO BE REMOVED BY THE PROJECT
10. TREES DAMAGED BY THE PROJECT
11. EXPOSED ROCK OR WET RUBBLE

12. ANY TREE

GENERAL NOTES

TREE PROTECTION TABLE

[illegible]

TREE PROTECTION TABLE.

SHEET 23 OF 26

PREPARED BY: FERNANDEZ FRAZER WHITE & ASSOC. INC.
A C. F. TAYLOR GROUP

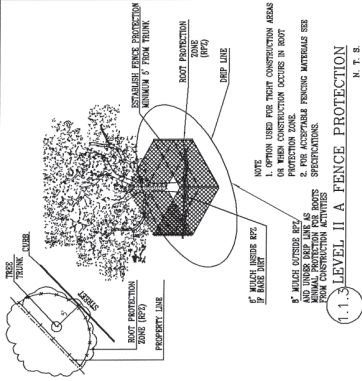


DEPARTMENT OF PUBLIC WORKS

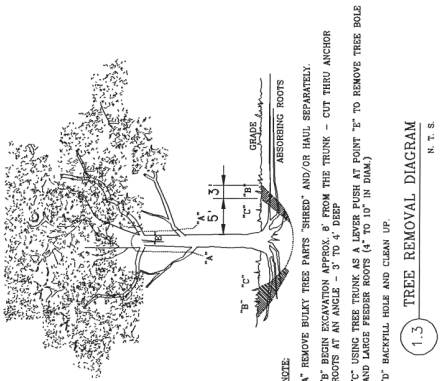
CITY OF SAN ANTONIO
TREE PROTECTION DETAILS
TREE PRESERVATION

DESIGNED:	FED. NO. DW. NO.	STATE	TEAMS		SHT. NO. 1 OF 4
CHECKED:					
SPINNER	STATE DIST. NO.	COUNTY	CONTROL NO.	SECT. NO.	JOB HOURS NO.
CHECKED:					

CONCLUSION

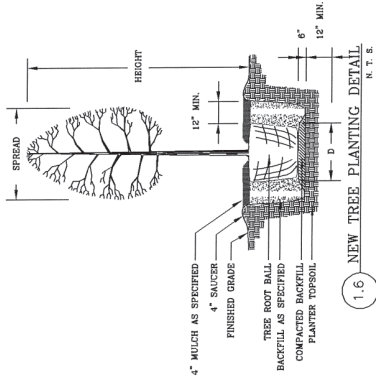


LEVEL II A FENCE PROTECTION

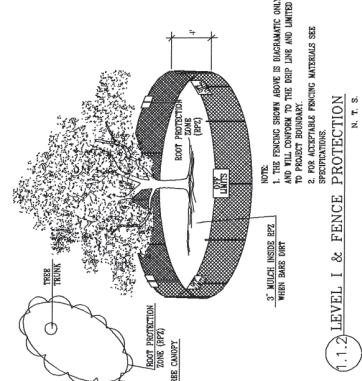


1 2

TREE REMOVAL DIAGRAM

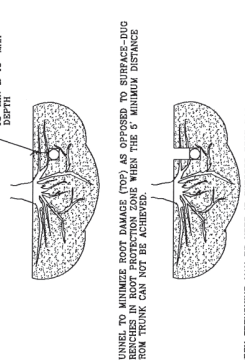


NEW TREE PLANTING DETAIL



1.1.2 LEVEL I & FENCE PROTECTION

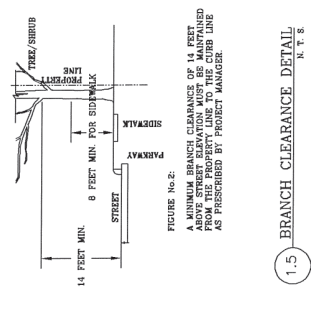
TREES THAT ARE MARKED TO BE PRESERVED ON A SITE PLAN AND FOR WHICH UTILITIES MUST PASS TROUGH THEIR ROOT PROTECTION ZONES MAY REQUIRE TUNNELING AS OPPOSED TO OPEN TRENCHES. THE DECISION TO TUNNEL WILL BE DETERMINED ON A CASE BY CASE BASIS BY THE ENGINEER.



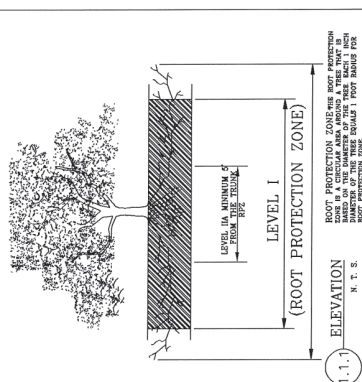
TUNNEL TO MINIMIZE ROOT DAMAGE (TOP) AS OPPOSED TO SURFACE-DUG

OPEN TRENCING MAY BE USED IF EXPOSED TREE ROOTS DO NOT EXCEED 3" OR ROOTS CAN BE BENT BACK.

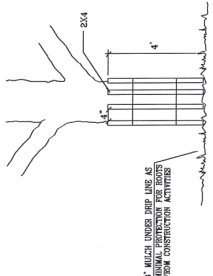
12 BORING THRU TREE ROOT ZONE



15) BRANCH CLEARANCE DETAILS



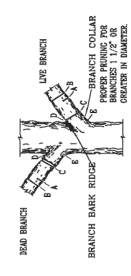
ELEVATION



* MILLION UNITS PER YEAR 1995-2000

NOTE
WRAP TREE TRUNK WITH 2"x4" STUDS AND ROPE OR BAND IN PLACE
AS NEEDED TO PROTECT TREES IN WORK AREAS.

1.1.4 LEVEL II B FENCE PROTECTION

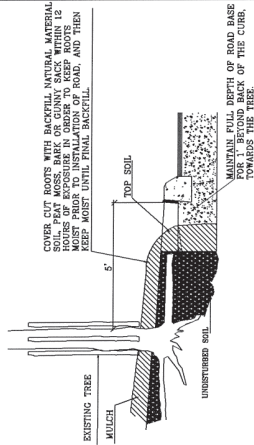


NOTE: DO NOT CUT FROM D to E.

- A. FIRST CUT - TO PREVENT THE BARK FROM BEING PEELLED WHEN THE BRANCH FALLS
 - B. SECOND CUT - TO REDUCE THE WEIGHT OF BRANCH
 - C. FINAL CUT - ALLOW FOR HEALING COLLAR BUT NO STUBS
 - D. BRANCH RIDGES - INDENT PROPERLY BRANCH RIDGES WHICH ARE SITS FOR DEXAT.
- FOR OAKS ONLY - PAINT ALL WOUNDS OR CUTS WITH PRUNING PAINT WITH 20 MIN TO PREVENT THE SPREAD OF OAK WILT.

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14 BRANCH PRUNING DETAIL

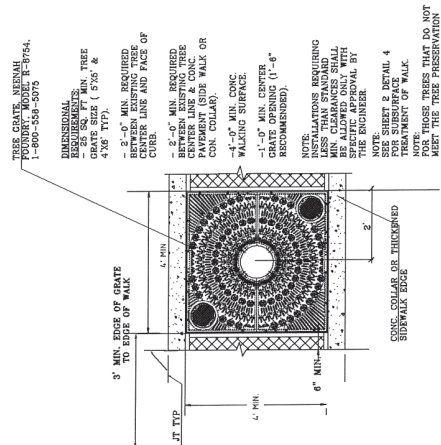


COVER CUT ROOTS WITH BACKFILL NATURAL MATERIAL
SOLID AT MOSS, BARK OR GUNNY SACK WITHIN 12
INCHES OF TREE TRUNK. MULCH SHALL BE 4 INCHES
THICK. MULCH SHALL BE REPLACED AS IT DECOMPOSES.
KEEP MULCH UNTIL FINISH BACKFILL.

NOTE: ROOT ZONE OUTSIDE OF TREE PROTECTION
SHALL BE MAINTAINED. MULCH SHALL BE 4 INCHES
THICK. MULCH SHALL BE REPLACED AS IT DECOMPOSES.
KEEP MULCH UNTIL FINISH BACKFILL.

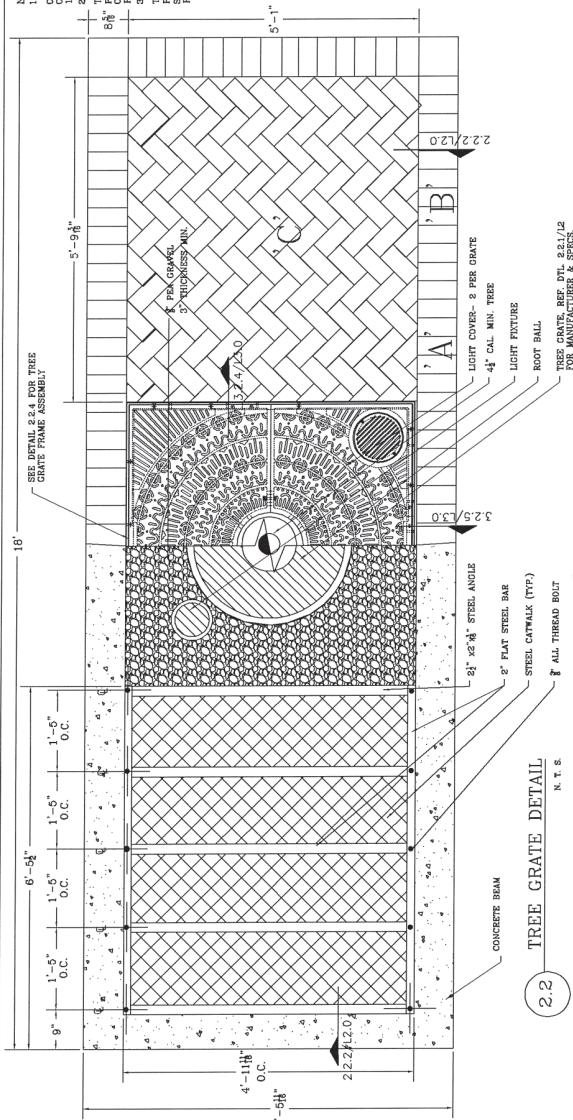
2.1 EXPOSED ROOT PROTECTION DETAIL
N.T.S.

NOTE: FOR TREES THAT DO NOT
MEET THE TREE PRESERVATION
REQUIREMENTS, THE TREE PRESERVATION
CONSTRUCTION SHALL BE DETERMINED
ON A CASE BY CASE BASIS.



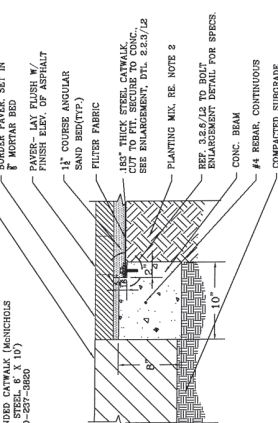
2.2.1 TREE GRATE PLAN VIEW
N.T.S.

NOTE: FOR TREES THAT DO NOT
MEET THE TREE PRESERVATION
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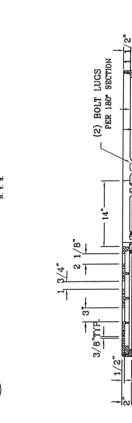


2.2 TREE GRATE DETAIL
N.T.S.

NOTE: 1. PAVEMENT: ASPHALT OR CONC. PAVING
2. PLANTING MIX: FOUR WAY MIX
(80% SAND, 15% GRAVEL, 5% FERTILIZER)
3. STEEL CATALK: MONROUS
4.00\"/>

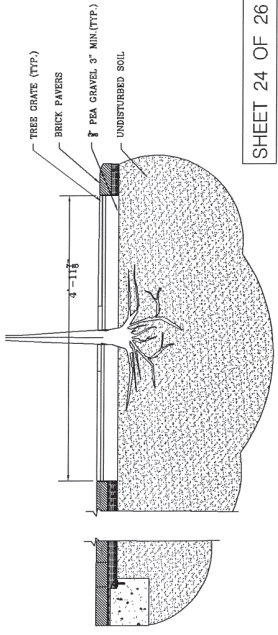


2.2.2 SECTION: PAVER @ ASPHALT
N.T.S.

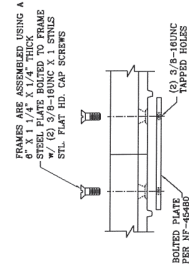


2.2.3 SECTION: TREE GRATE FRAME
N.T.S.

NOTE: FOR TREES THAT DO NOT
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2.2.4 TREE WELL SECTION
N.T.S.



2.2.5 SECTION: GRATE FRAME ASSEMBLY
N.T.S.

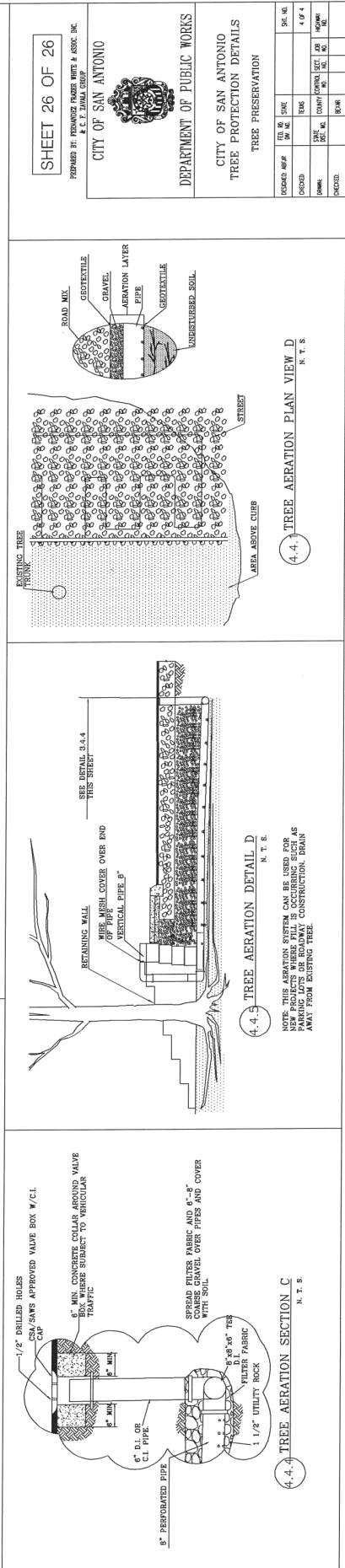
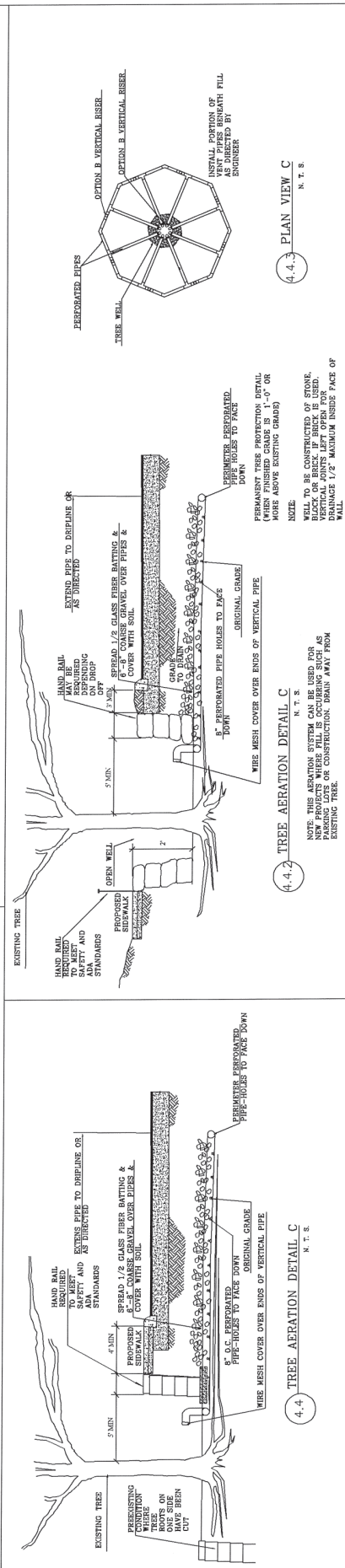
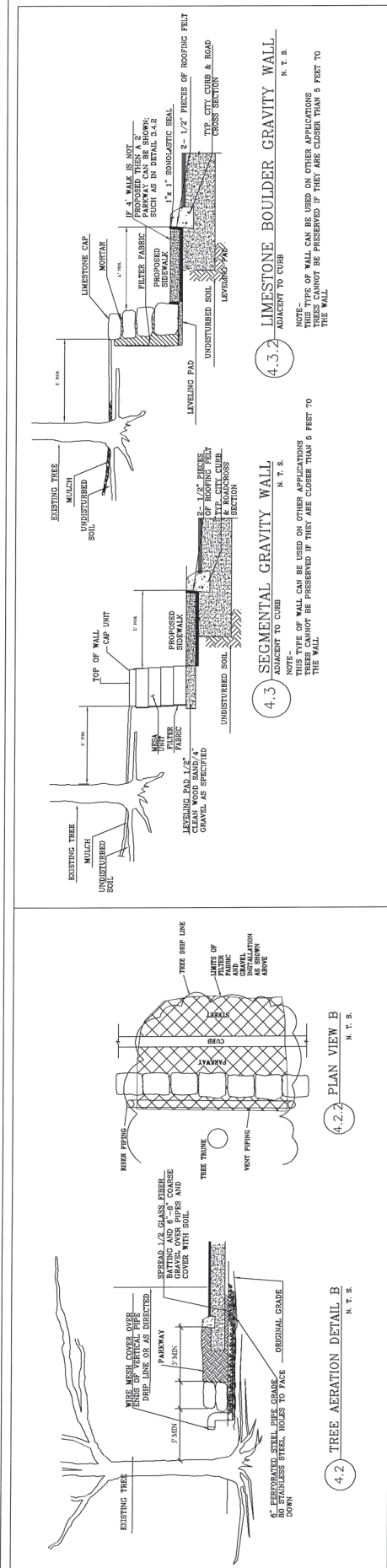
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- NOTES:
- PAVER: 1. 6\"/>



DEPARTMENT OF PUBLIC WORKS
CITY OF SAN ANTONIO
TREE PROTECTION DETAILS
TREE PRESERVATION

DESIGNER:	DATE:	SHEET NO.:	SHEET TOTAL:
CHIEF:	DATE:	2 OF 4	
DESIGNER:	DATE:	2 OF 4	
CHIEF:	DATE:	2 OF 4	



SHEET 26 OF 26

PREPARED BY: FERNANDEZ WHITE & ASSOC. INC.
A.C.F. ENGINEERING

CITY OF SAN ANTONIO

DEPARTMENT OF PUBLIC WORKS

CITY OF SAN ANTONIO
TREE PROTECTION DETAILS

TREE PRESERVATION

DESIGNED BY	DATE	SCALE	SHEET NO.
FW	10/12/11	1"=10'	26

APPROVED BY	DATE	SCALE	SHEET NO.
FW	10/12/11	1"=10'	26