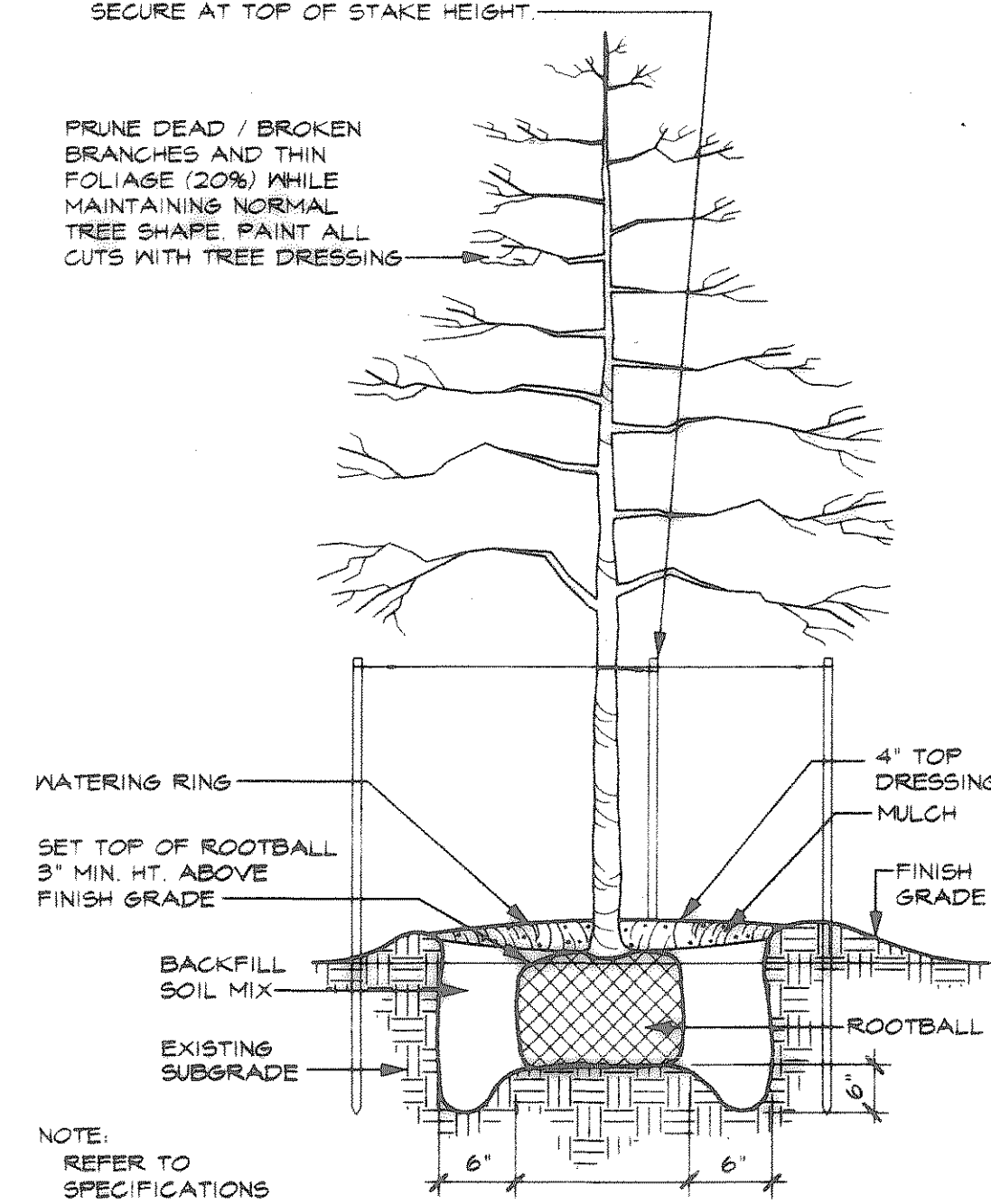
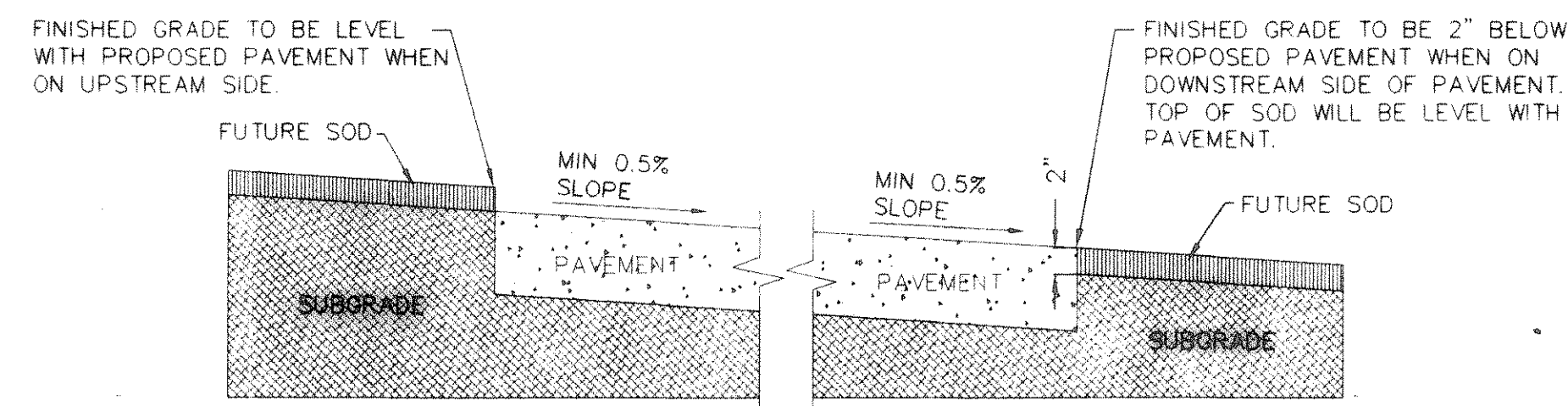


(3) PRESSURE TREATED HARDWOOD STAKES (2" x 2" x 8') WITH 12 GAUGE AND 3" TURNBUCKLE ENCASE LOOP IN REIN. RUBBER HOSE CANOPY TREES. SECURE AT LOWEST BRANCH. EVERGREEN / ORNAMENTAL TREES. SECURE AT TOP OF STAKE HEIGHT.

PRUNE DEAD / BROKEN BRANCHES AND THIN FOLIAGE (20%) WHILE MAINTAINING NORMAL TREE SHAPE. PAINT ALL CUTS WITH TREE DRESSING.

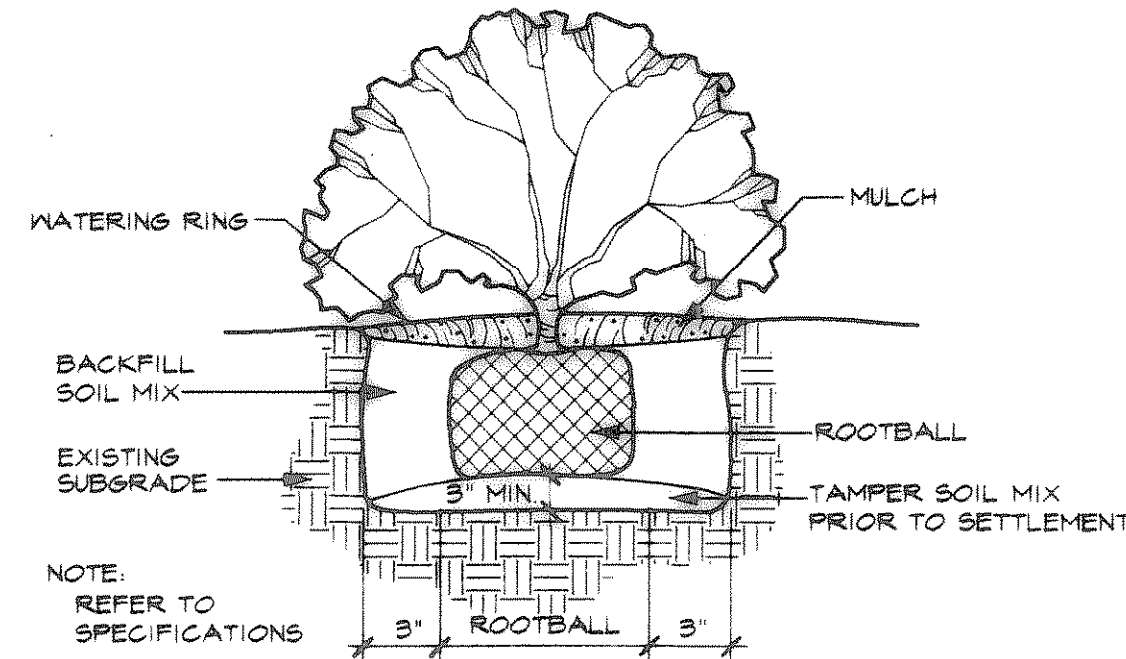


TREE PLANTING DETAIL (TYPICAL)
SCALE: N.T.S.



GRADING DETAIL FOR PAVEMENT WITHOUT CURB
SCALE: N.T.S.

LANDSCAPE TABULATIONS	
LANDSCAPE BUFFER STRIP (10' STD. STREET)	
1-3" TREE PER 50 LF	600 LF
LIMESTONE HILL LANE	12 TREES
LENGTH OF FRONTAGE	12 TREES
BUFFER TREES REQUIRED (600 LF / 50 =)	12 TREES
BUFFER TREES PROVIDED	12 TREES
PARKING TREES	
IF MORE THAN 2 ROWS MUST HAVE 5% INTERIOR LAND. IF PARKING AND MANEUVERING SPACE EXCEEDS 20K SF ONE 3" TREE PER 20 SPACES	
PARKING LOT AREA	40,500 SF
PARKING LANDSCAPE REQUIRED (40,500 SF X 5% =)	2,025 SF
PARKING LANDSCAPE PROVIDED	4,190 SF
TOTAL PARKING SPACES	134 SPACES
PARKING TREES REQUIRED (134 SPACES / 20 =)	7 TREES
PARKING TREES PROVIDED (2 LG. & 12 ORN. TREES)	7 TREES
SITE AREA	
% OF SITE LANDSCAPE BASE ON ZONING DISTRICT (10% TO 25%)	
TOTAL SITE AREA	548,850 SF
TOTAL SITE LANDSCAPE AREA (62%)	342,480 SF
EXIST. TREE MITIGATION (3" MIN. SIZE, 1 TO 1 GAL. REPL.)	
6" CAL. MEAS. @ DBH, REPL. INCH PER INCH UNDER 36", DOUBLE IF 36"+. MIN. 3" CAL. PROTECTED TREES OF CERT. SPECIES REPL. AT 75% OF TOTAL (CED, HACK, CTMWD, LOGUST, CHNBRY, BOIS), REF. ORD. FOR TREE CREDIT OR TRANSPLANT	
PROTECTED EXISTING TREES REMOVED (0 =)	NO EXIST. TREES
PROPOSED TREES TO BE PLANTED (N/A TREES =)	NOT APPLICABLE
HWAY. 205 OVERLAY REQUIREMENTS	
20' BUFFER, IV BUILT UP BERM, SHRUBS, OR COMBO TO 30", SHRUBS 15" AT INSTALL. FOUR CAN. TREES-30% 4" CAL. & 50% 2" CAL. (RO, BO, LO, CE, LE) AND FOUR ACCT. TREES (YAUP, R. BUD, PEAR, MAX H. MEX. PL.) PER 100 LF	
LENGTH OF FRONTAGE	563 LF
BUFFER TREES REQUIRED (563 LF / 100 = 5.63 X 4 =)	23 CAN. / 23 ACNT TREES
BUFFER TREES PROVIDED	23 CAN. / 23 ACNT TREES
ALL REQUIRED LANDSCAPE AREAS SHALL HAVE AUTOMATIC, UNDERGROUND, IRRIGATION.	



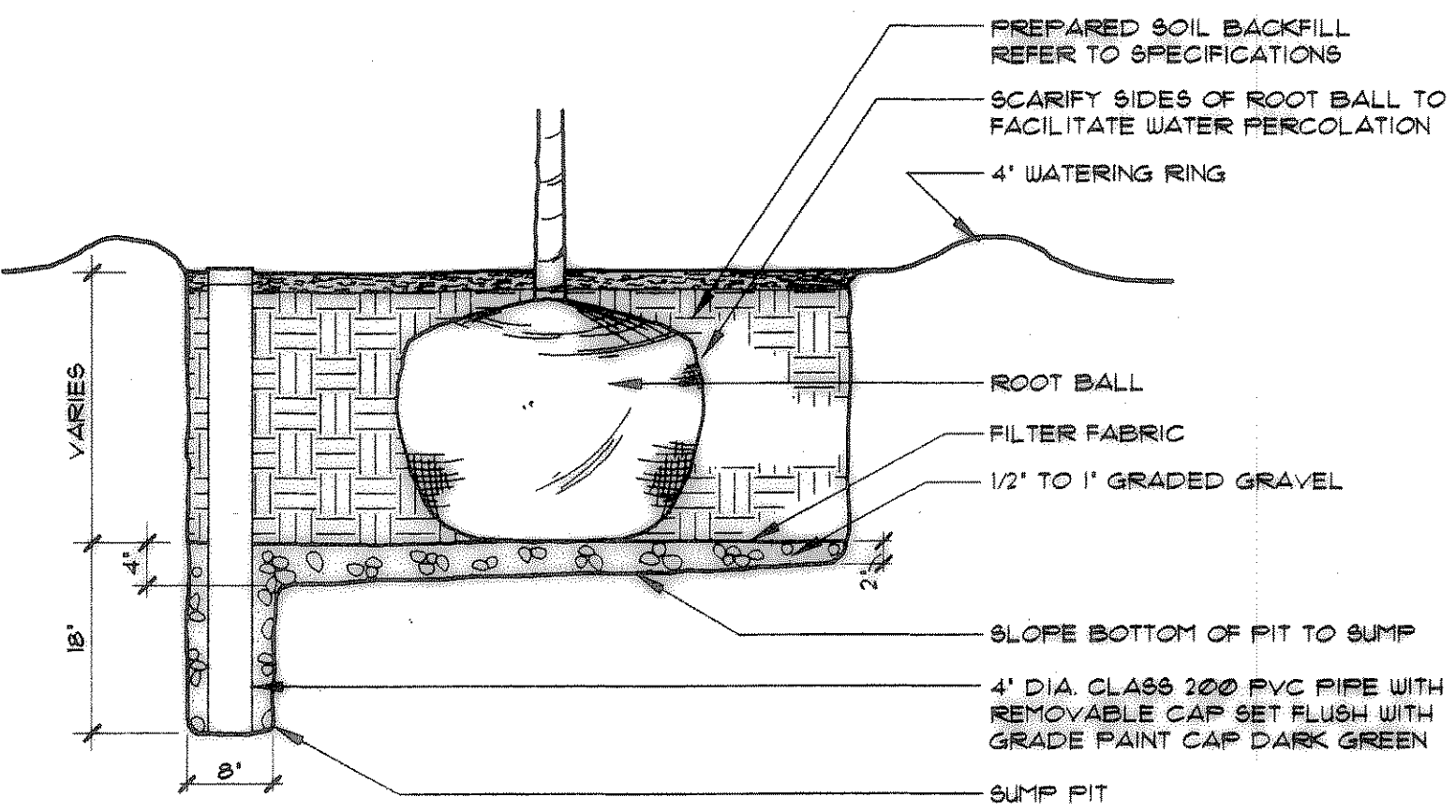
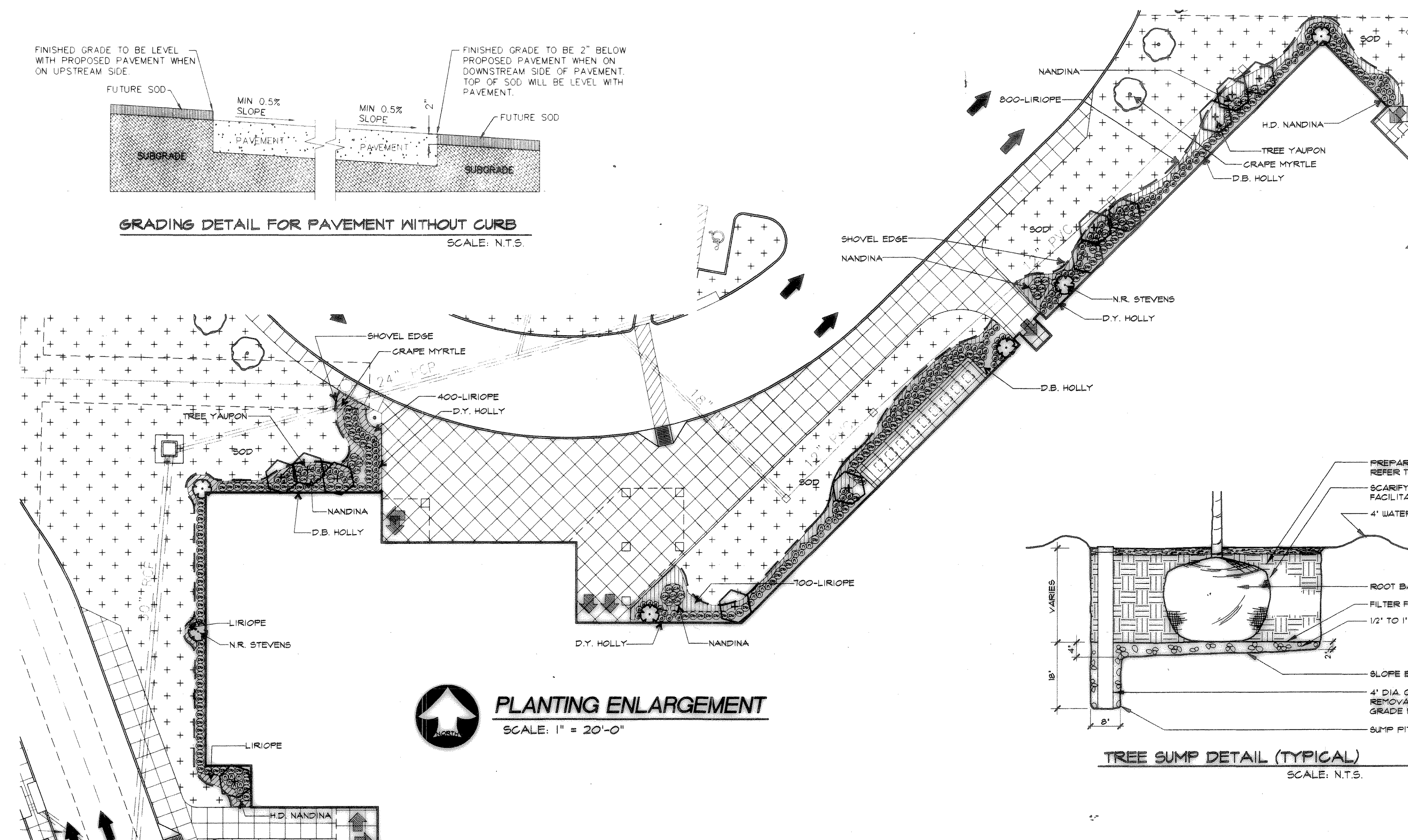
SHRUB PLANTING DETAIL (TYPICAL)
SCALE: N.T.S.

LARGE TREES					
QUANTITY	SYMBOL	CALLOUT	COMMON NAME	SCIENTIFIC NAME	SIZE & CONDITION
8	(Symbol)	LIVE OAK	Live Oak	Quercus virginiana	3" caliper, 10'-12' Ht./ 4'-8' spread, B&B straight trunk full rounded canopy
8	(Symbol)	CEDAR ELM	Cedar Elm	Ulmus crassifolia	4" caliper, 12'-14' Ht./ 3'-6' spread, B&B straight trunk full rounded canopy
7	(Symbol)	RED OAK	Shumard Red Oak	Quercus shumardii	3" caliper, 10'-12' Ht./ 4'-8' spread, B&B straight trunk full rounded canopy
4	(Symbol)	BUR OAK	Bur Oak	Quercus macrocarpa	4" caliper, 12'-14' Ht./ 3'-6' spread, B&B straight trunk full rounded canopy
5	(Symbol)	LACEBARK ELM	Lacebark Elm	Ulmus parvifolia	3" caliper, 10'-12' Ht./ 4'-8' spread, B&B straight trunk full rounded canopy
8	(Symbol)	PISTACHIO	Chinese Pistachio	Pistacia chinensis	3" caliper, 10'-12' Ht./ 4'-8' spread, B&B straight trunk full rounded canopy
6	(Symbol)	BRADFORD PEAR	Bradford Pear	Pyrus calleryana 'Bradford'	2" caliper, 10' Ht./ 4'-5' spread B&B straight trunk full rounded canopy
16	(Symbol)	GRAPE MYRTLE	Red Flowering Grape Myrtle	Lagerstroemia indica Carolina Beauty	1" caliper per trunk, 5 trunk minimum, 8' Ht./ 8' spread, B&B
23	(Symbol)	TREE YAUPON	Yaupon Holly	Ilex vomitoria	3/4" caliper per trunk, 5 trunk minimum, 8' Ht./ 4' spread, B&B or container female - heavy berried, tree form
6	(Symbol)	RED BUD	Oklahoma Red Bud	Cercis canadensis 'Oklahoma'	2" caliper, 8' Ht./ 4'-5' spread B&B straight trunk full rounded canopy
6	(Symbol)	N.R. STEVENS	Tree Nellie R. Stevens Holly	Ilex vomitoria 'Nellie R. Stevens'	6" Ht./ 8' spread min. container or B&B pyramidal form, full to the ground single straight trunk, bushy specimen

SHRUBS					
QUANTITY	SYMBOL	CALLOUT	COMMON NAME	SCIENTIFIC NAME	SIZE AND CONDITION
100	(Symbol)	PHOTINIA	Fraser's Photinia	Photinia x Fraseri	5 gallon, 36" Ht./ 24" spread, bushy, full to ground
157	(Symbol)	D.B. HOLLY	Dwarf Burford Holly	Ilex cornuta 'Burfordiana'	5 gallon, 18"-20" Ht./ 15" spread, full, bushy to ground
37	(Symbol)	NANDINA	Dwarf Nandina	Nandina domestica 'Compacta'	5 gallon, 24" Ht./ 12"-14" spread, bushy, full to ground
152	(Symbol)	D.Y. HOLLY	Dwarf Yaupon Holly	Ilex vomitoria 'Nana'	5 gallon, 16" Ht./ 14" spread, bushy, full to ground
29	(Symbol)	H.D. NANDINA	Harbour Dwarf Nandina	Nandina domestica 'Harbour Dwarf'	5 gallon, 18" Ht./ 12" spread full bushy

GROUNDCOVER / VINES					
QUANTITY	SYMBOL	CALLOUT	COMMON NAME	SCIENTIFIC NAME	SIZE AND CONDITION
AS SHOWN	(Symbol)	GRASS	Common Bermuda Grass	Cynodon dactylon	Hydromulch refer to specifications
AS SHOWN	(Symbol)	SOD	Zoyzia Grass	Zoyzia japonica 'El Toro'	Sod refer to specifications
AS SHOWN	(Symbol)	SOD STRIP	Zoyzia Grass	Zoyzia japonica 'El Toro'	Sod refer to specifications
AS SHOWN	(Symbol)	LIRIOPE	Liriope	Liriope muscari 'Big Blue'	4" pots, 6" o.c., full
MISCELLANEOUS					
AS SHOWN	(Symbol)	SHOVEL EDGE	Shovel edge-4" deep, 6" wide, formed per plan.		

LANDSCAPE CONTRACTOR SHALL VERIFY ALL PLANT QUANTITIES



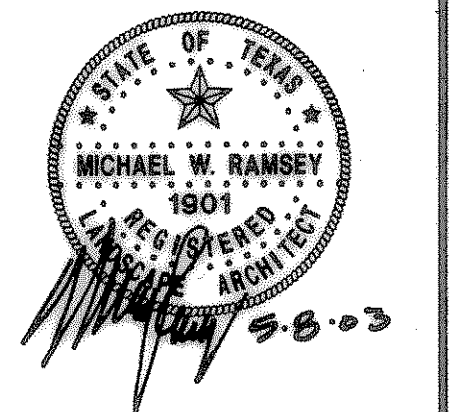
TREE SUMP DETAIL (TYPICAL)
SCALE: N.T.S.

LANDSCAPE DETAILS
SCALE: N.T.S.

DATE: May 8, 2003
DRAWN BY: GRI
CHECKED: GRI
CDM NO: 144102110
REVISED:

**SPRINGER ELEMENTARY SCHOOL
ROCKWALL INDEPENDENT SCHOOL DISTRICT
ROCKWALL, TEXAS**

FINAL PLANS FOR BIDDING AND CONSTRUCTION



SHEET NUMBER: 2 OF 4
SET NUMBER: L 2.2