

TREE PROTECTION CALCULATIONS:

TOTAL AREA = 3.11 ACRES
 GAS EASEMENT AREA NO TREE ALLOWED = .34 ACRES
 TOTAL TREE PROTECTION AREA = 2.77 ACRES

2.77 X 100 UNITS = 277 INCHES SITE DENSITY FACTOR (SDF)

EXISTING DENSITY FACTOR (EDF) ON SITE = 164 INCHES (SEE CHART)
 164" X FACTOR OF 3 FOR SPECIMENS SAVED = 392" EDF

TREE DENSITY FACTOR EXCEEDS REQUIREMENT BY 115"

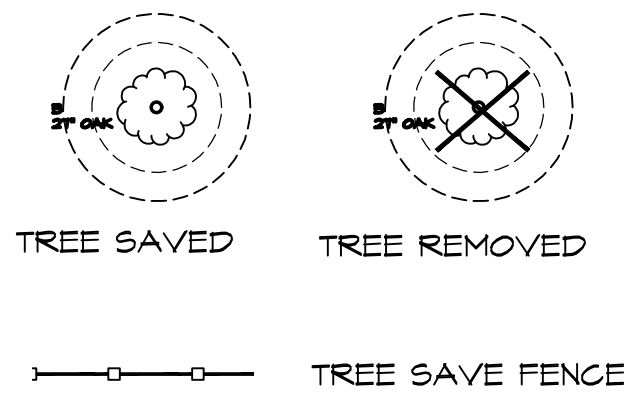
SPECIMEN TREES REMOVED:

- 24" OAK
- 27" OAK
- 24/14" TULIP POPLAR
- 25" OAK
- 31" OAK
- 24" OAK
- 24" OAK
- 25" OAK
- 218" TOTAL REMOVED

SPECIMEN TREES REMAINING:

- 24" BEECH
- 24" BEECH
- 30" HICKORY
- 32" BEECH
- 24" BEECH
- 30" HICKORY
- 164" INCHES SPECIMEN TREES
- 164" X 3 FOR SPECIMEN TREES
- 392" EDF SPECIMEN TREES

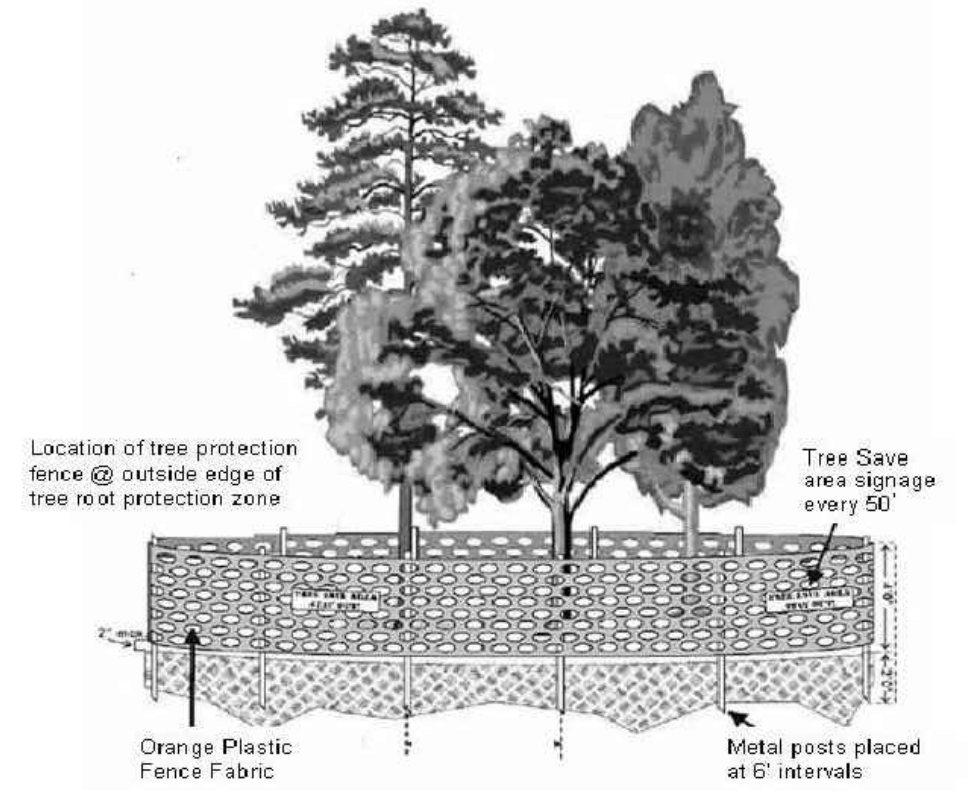
KEY LEGEND:



TREE PROTECTION NOTES:

1. TREE SAVE FENCE FOR THE ENTIRE SITE MUST BE INSTALLED, INSPECTED AND APPROVED PRIOR TO INSTALLATION OF EROSION CONTROL MEASURES.
2. NO LAND DISTURBANCE OR DEMOLITION IS ALLOWED BEFORE TREE SAVE FENCE HAS BEEN INSPECTED AND APPROVED BY COMMUNITY DEVELOPMENT DIRECTOR.
3. CONTACT THE COMMUNITY DEVELOPMENT DEPARTMENT (770-319-5387) TO ARRANGE A PRE-CONSTRUCTION CONFERENCE PRIOR TO ANY LAND DISTURBANCE.
4. NO PERMIT SHALL BE ISSUED UNTIL PLANS ARE APPROVED AND AN ON-SITE INSPECTION WITH CITY REPRESENTATIVES OCCURS.
5. ALL TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING OR THE REMOVAL OF IMPERVIOUS SURFACES OR STRUCTURES.
6. BUFFERS SHALL BE REPLANTED SUBJECT TO COMMUNITY DEVELOPMENT DEPARTMENT APPROVAL.

Figure 2: Tree Protection Fencing for Non-Specimen Trees



Specimen tree protection requires orange polyethylene fence be replaced with chain link.

Figure 3: Tree Protection Fencing for a Single Non-Specimen Tree

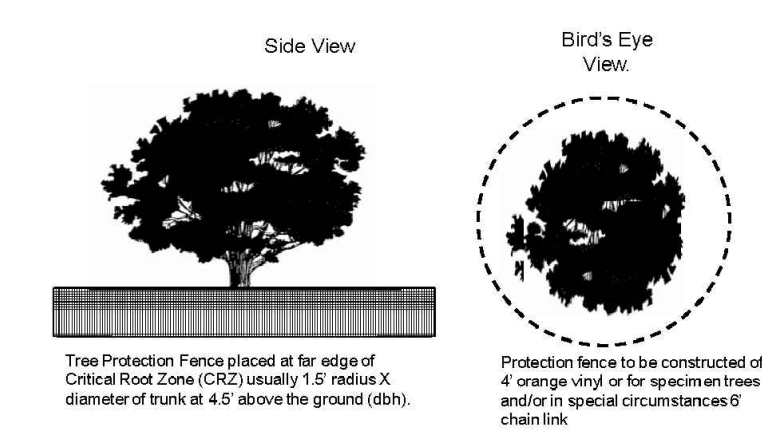


Figure 4: Tree Protection Fencing for Multiple Non-Specimen Trees

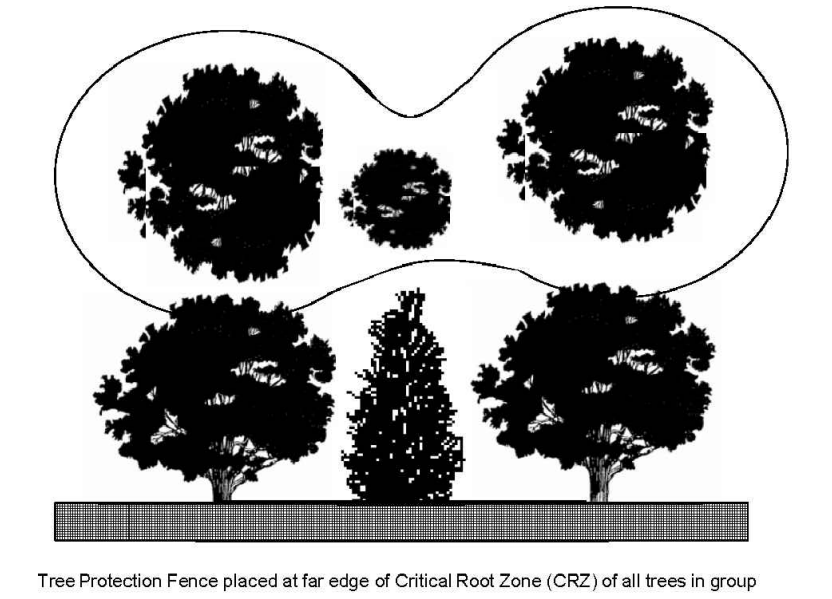
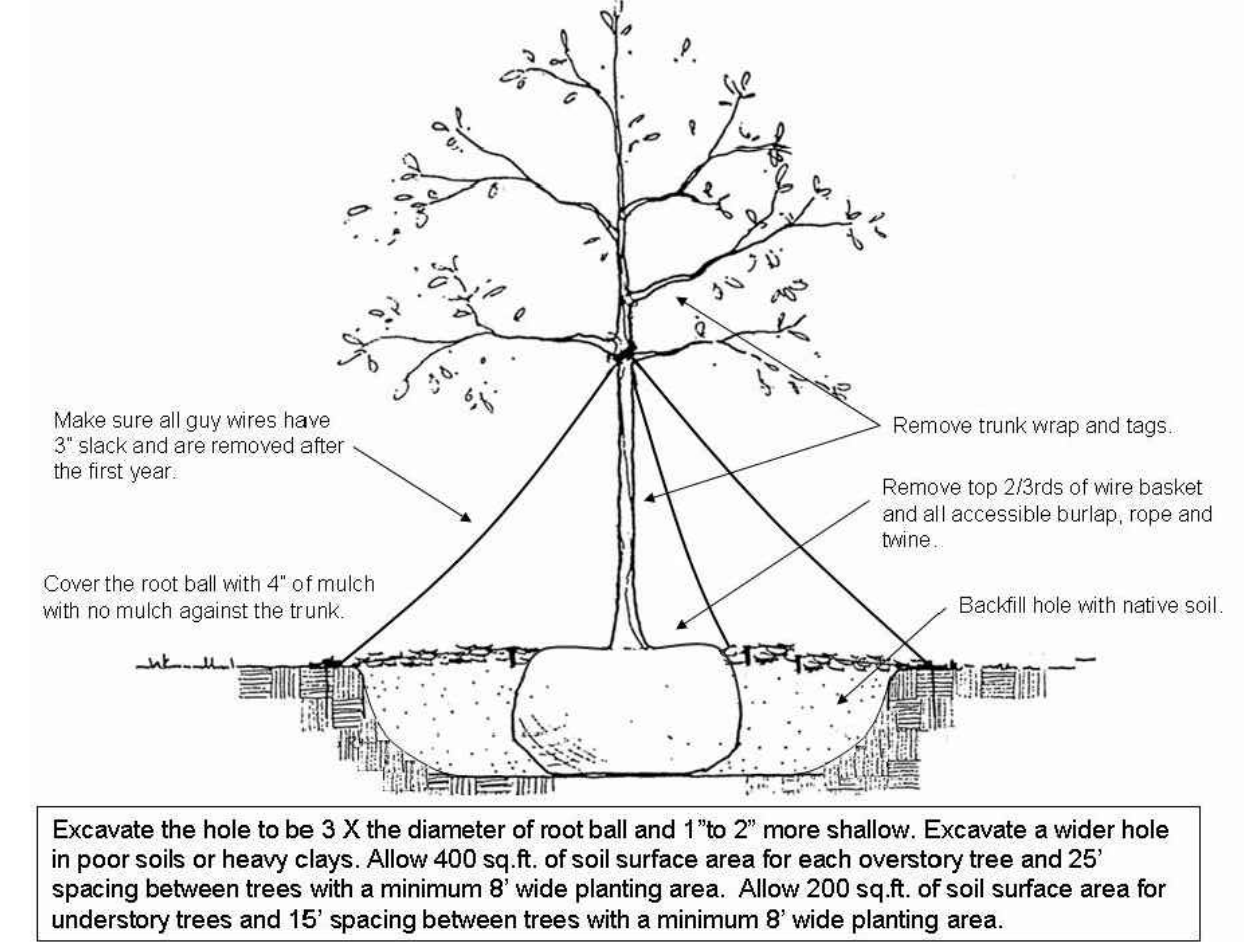


Figure 11: Tree Planting Detail



SITE PLAN DESCRIPTION:

- A. (4) STORY BUILDING WITH 50 UNITS - 13,500 SF.
- B. (3) STORY BUILDING WITH 30 UNITS - 14,500 SF.
- C. UNDERGROUND STORM DETENTION/ WATER QUALITY
- D. GAS EASEMENT - NO PLANTING ALLOWED

TREE REPLACEMENT CHART

| TREES | CODE | QTY | COMMON / BOTANICAL NAME | CONT | GAL | SIZE | REMARKS |
|-------|------|-----|---|-------|-------|----------|---------|
| | ZA | 11 | Autumn Glow Japanese Zelkova Zelkova serrata 'Autumn Glow' | B & B | 4'Gal | | |
| | UP | 10 | Chinese Elm Ulmus parvifolia | B & B | 3'Gal | | |
| | CJ | 11 | Japanese Cedar Cryptomeria japonica | B & B | | 7'-8' ht | |
| | QS | 12 | Shumard Red Oak Quercus shumardii | B & B | 3'Gal | | |

PARKING LOT TREES:

PARKING LOT TREES SHALL BE A MINIMUM 50' FROM EACH PARKING LOT SPACE LOCATED ON SITE.

STREET FRONTAGE TREES:

TOTAL LINEAR FOOTAGE = 625 LF.
 625 LF - 200 LF AT ENTRY (100 EACH SIDE) + 26' WIDE DRIVE
 = 399 LF OF ROAD FRONTAGE
 399 LF / 40' = 10 STREET TREES REQUIRED

