

TREE DENSITY CALCULATIONS:
 SDF = 100 X 1.09AC = 101 TDUs
 EDF = 15 FAR IN EXCESS OF THE 101 TDUs
 RDF = NONE REQUIRED THE MINIMUM TREE DENSITY IS SATISFIED WITH EDF.
 SPECIMEN RECOMPENSE REQUIRED = 0*
 *ALTHOUGH THERE ARE LARGE TREES ON SITE NON ARE OF "SPECIMEN" STANDARDS. SEE NOTES

STREET TREE CALCULATIONS:

- THERE IS 147' OF STREET FRONTING GREENRIDGE. ALL OF THIS LENGTH IS UNDER POWER LINES. LESS 36' FOR DRIVEWAYS RESULTS IN 111' LINEAR FEET OF APPLICABLE FRONTAGE FOR UNDERSTORY TREES.
- WHEN UNDERSTORY TREES ARE USED THE DEVELOPER SHALL PLANT ONE TREE EVERY 30 FEET
- 111/30' = 3.7 OR 4 TREES REQUIRED (TWO PER LOT)
- TREES ARE REQUIRED TO BE SET BACK FROM DRIVEWAYS BY 15'
- THERE ARE (0) NO EXISTING STREET TREES IN THE FRONTAGE. 4 UNDERSTORY STREET TREES HAVE BEEN PROPOSED. THEREFORE THE REQUIREMENT IS SATISFIED. TREES ARE INDICATED WITH*

REQUIRED NOTES:
 CONTACT THE COMMUNITY DEVELOPMENT DEPARTMENT (770-319-5337) TO ARRANGE A PRECONSTRUCTION CONFERENCE PRIOR TO ANY LAND DISTURBANCE. NO PERMIT SHALL BE ISSUED UNTIL PLANS ARE APPROVED AND AN ON-SITE INSPECTION WITH THE CITY REPRESENTATIVE OCCURS.
 ALL TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.
 Tree Conservation Plans:
 1. Contact the Community Development Department (770-319-5337) to arrange a pre-construction conference prior to any land disturbance. No permit shall be issued until plans are approved and an on-site inspection with City Representatives occurs. All tree conservation measures shall be installed prior to grading or the removal of impervious surfaces or structures. Buffers shall be replanted subject to Community Development Department approval. [Code Section 106-36(16)]
 2. Before development, land clearing, filling or any land alteration, including removal of impervious surfaces or structures, the developer shall be required to erect suitable protective barriers including tree fences, tree conservation signs, and erosion barriers until completion of site landscaping. Authorization to remove the conservation devices shall be in writing by the Community Development Director or by the issuance of a final certificate of occupancy. Inspection of tree protection barriers is required prior to any land disturbance or development. The Community Development Director shall be contacted (770-319-5337) to schedule an inspection time. [Code Section 106-40(b)]
 3. All tree protection devices must remain in functioning condition until the certificate of occupancy is issued. [Code Section 106-40(d)]
 4. Materials for active tree protection shall consist of chain link, orange laminated plastic, wooden post and rail fencing or other equivalent material.
 5. No person in the construction of any structure(s) or improvement(s) or any activity shall encroach or place solvents, material, construction machinery or temporary soil deposits within six feet of the area outside the critical root zone, as defined herein, of any specimen tree or any tree within a tree protection zone.
 6. Inspection of tree protection barriers is required prior to any land disturbance or development. The Community Development Director shall be contacted to schedule an inspection time.
 7. All tree protection devices must remain in functioning condition until the certificate of occupancy is issued.
 8. Debris removed: All debris from trees cut or substantially damaged shall be removed from the site prior to the issuance of a certificate of occupancy. This includes the removal of any portion of the tree stump above the original natural grade or elevation of land. [Code Section 106-37(h)]
 9. Where tree roots must be cut, make only sharp, clean cuts to promote root regeneration.
 11. When clearing and grading is planned in close proximity to a tree protection zone, the limit of disturbance should be defined by a clean trench cut to a depth of 36 inches, to prevent the shredding and tearing of protected roots.
 12. Tunnel instead of trench beneath tree roots within the CRZ for the installation or repair of cable, phone, electric, gas, water, or sewer lines, irrigation systems, or any utility.

OTHER NOTES:
 A. STAGING OF MATERIALS SHALL BE OUTSIDE TREE PROTECTION ZONES AND ON THE SITE.

PERTINENT REQUIRED NOTES:

1. Trees selected for planting must meet the minimum requirements as provided in Technical Standards.
2. Transplanting procedures shall follow standards established by the International Society of Arboriculture in the @Trees and Shrub Transplanting Manual.
3. Trees selected for replanting must be free from injury, pests, disease, nutritional disorders or root defects, and must be in good vigor, must have radially symmetrical branching with a dominant leader, and must have no less than four feet (4') between planted grade and lowest branch on the trunk for a two inch (2") caliper tree. [Code Section 106-37(c)]
4. All replanted overstory trees shall have a trunk of no less than three (3) caliper inches. Overstory trees shall have no less than 400 square feet of pervious root zone; understory shall have no less than 200 square feet of pervious root zone.

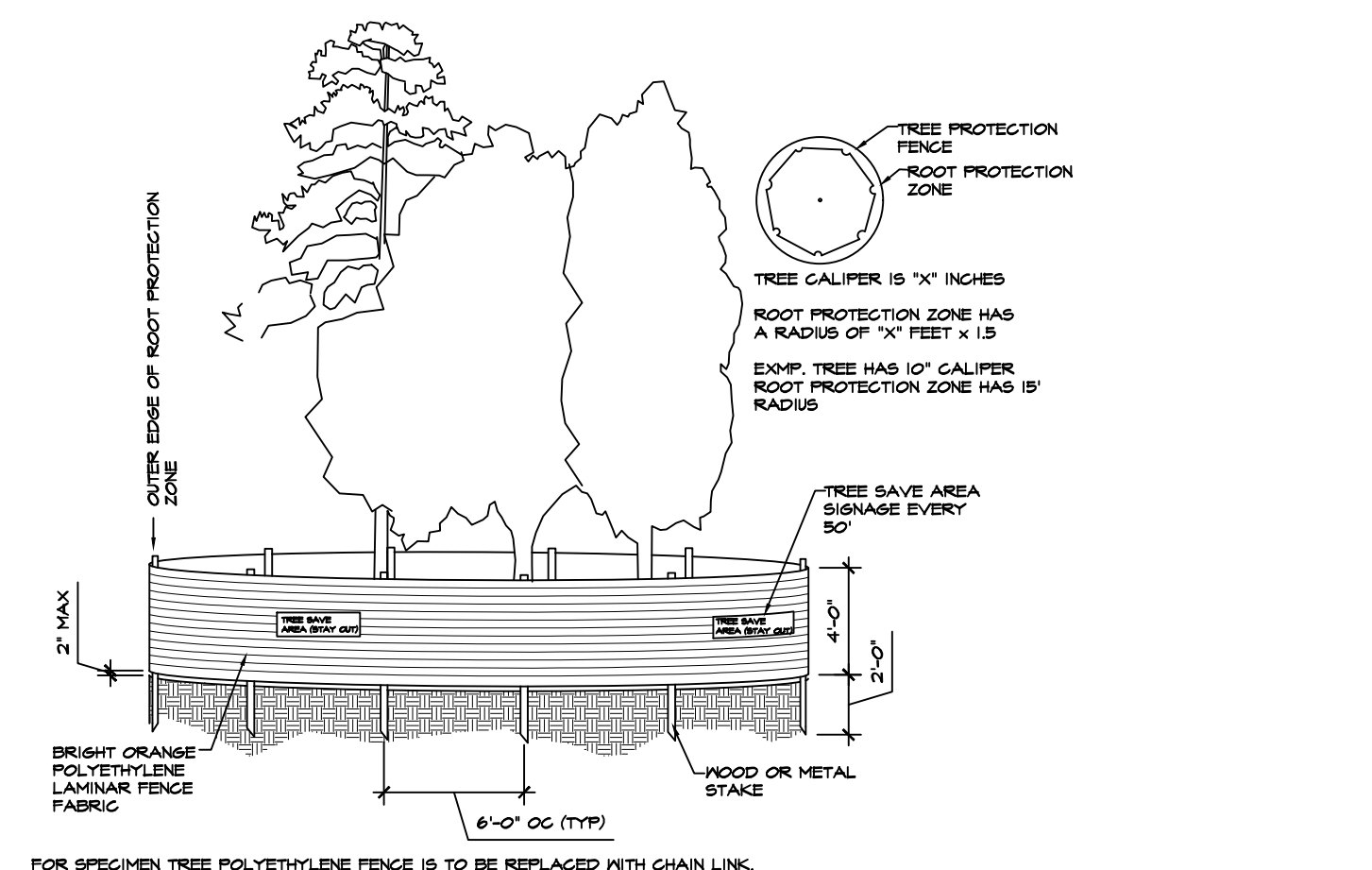
SPECIMEN TREE NOTES:
 THERE ARE TREES THAT QUALIFY FOR SPECIMEN CONSIDERATION BY SIZE ON THIS SITE. HOWEVER, EACH OF THESE TREES CAN BE DISQUALIFIED FOR NOT MEETING THE GENERAL CRITERIA IN SECTION 106-20 OF THE CODE.

TREE # 3 IS A 24" OAK. HOWEVER THIS TREE HAS 100% OF ITS CANOPY ON LESS THAN 180 DEGREES OF THE CENTER LINE OF THE TRUNK. MEANING ITS "CROWN DISTRIBUTION HAS > 70% OF ALL BRANCHES ON ONE SIDE OF THE TREE.

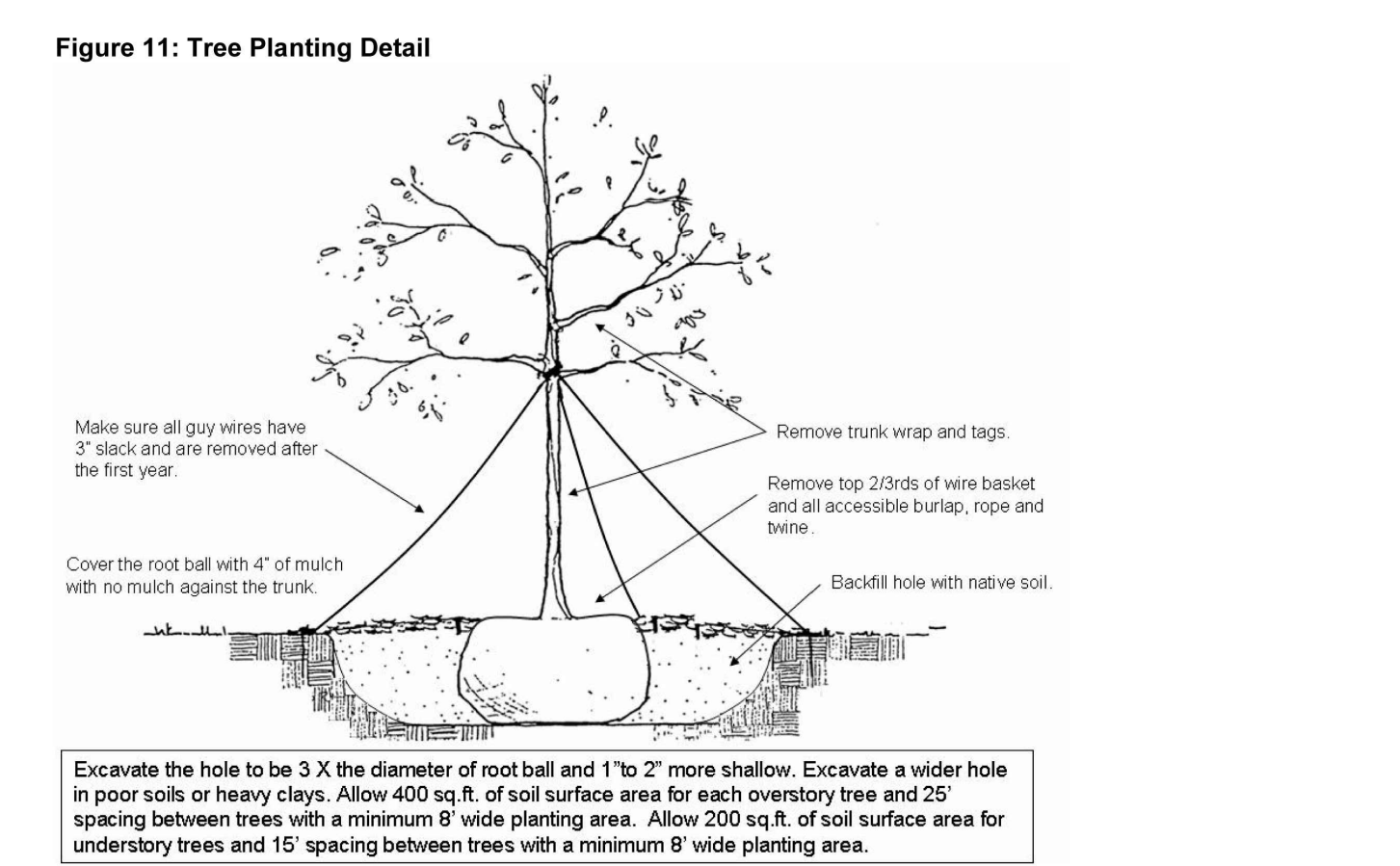
TREE #2 IS A 33" TULIP POPLAR AND DOES NOT MEET THE 36" SIZE REQUIREMENT FOR SPECIMEN STATUS.

TREE #4 IS A 30" DOUBLE TRUNK OAK. THE DOUBLE TRUNKS BEGIN AT THE BASE OF THE TREE AND HAVE CREATED A LARGE ZONE OF INCLUDED BARK. TREES WITH EXTENSIVE INCLUDED BARK CAN NOT USUALLY QUALIFY FOR SPECIMEN STATUS.

THERE ARE ADDITIONAL SPECIMEN TREES IN THE REAR OF THE LOT THAT ARE NOT IMPACTED AND THEREFORE NOT CAREFULLY INSPECTED. THESE INCLUDE TREE #S 31, 37, 39, 42, AND 43



SMYRNA TREE PROTECTION DETAIL

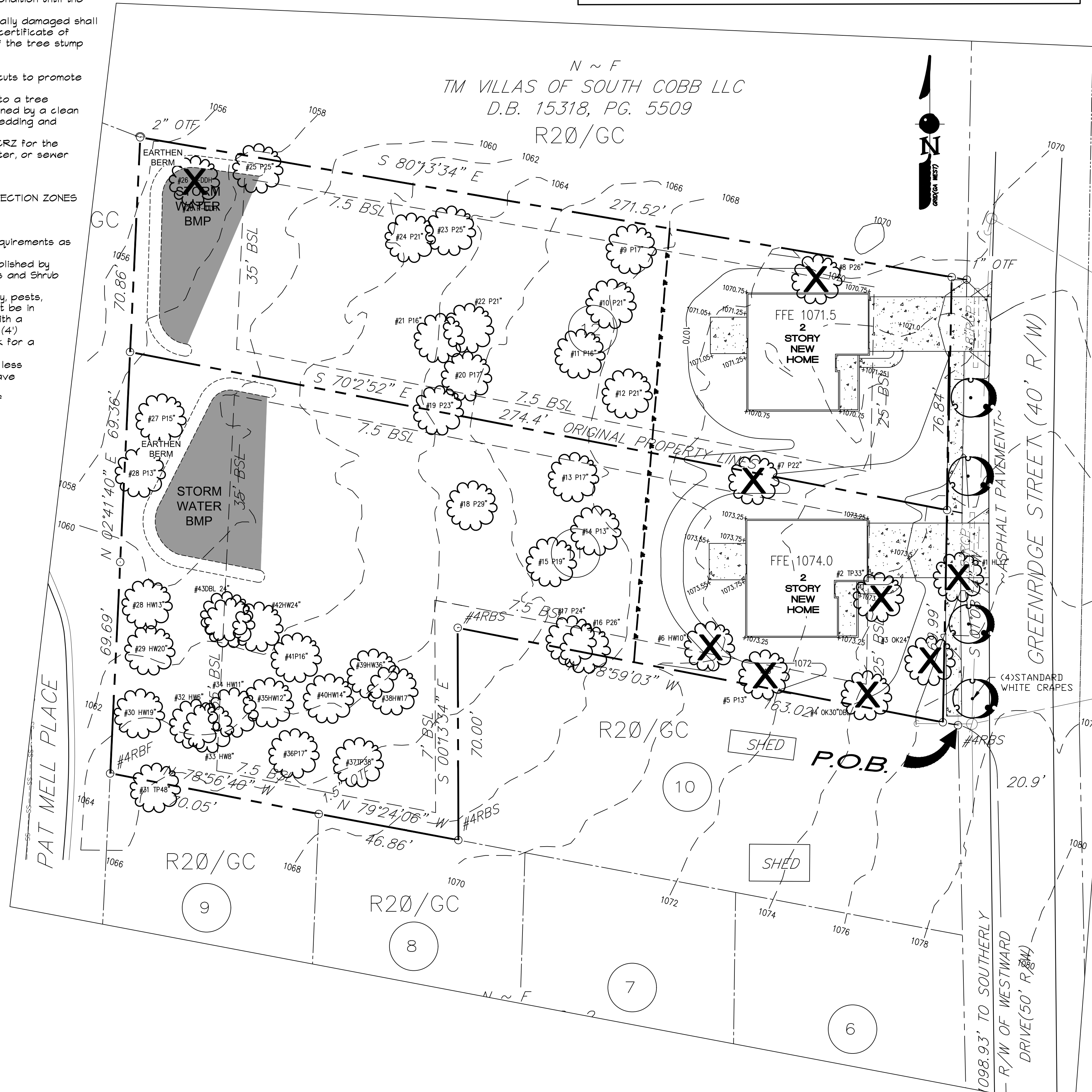


CITY STANDARD DETAIL

NO.	TYPE	SIZE	REM.	SAVE
1	HOLLY	7"	X	0
2	TP	33"	X	0
3	OAK	24"	X	0
4	OAK	30" DBL	X	0
5	PINE	13"	X	0
6	HW	10"	X	0
7	PINE	22"	X	0
8	PINE	26"	X	0
9	PINE	17"	X	0
10	PINE	21"	X	21
11	PINE	16"	X	16
12	PINE	21"	X	21
13	PINE	17"	X	17
14	PINE	13"	X	13
15	PINE	19"	X	19
16	PINE	26"	X	26
17	PINE	24"	X	24
18	PINE	24"	X	24
19	PINE	23"	X	23
20	PINE	17"	X	17
21	PINE	16"	X	16
22	PINE	21"	X	21
23	PINE	25"	X	25
24	PINE	21"	X	21
25	PINE	25"	X	25
26	PINE	DDH	X	0
27	PINE	15"	X	15
28	PINE	13"	X	13
29	HW	20"	X	20
30	HW	19"	X	19
31	TP	48"	X	OFF SITE
32	HW	6"	X	6
33	HW	8"	X	8
34	HW	11"	X	11
35	HW	12"	X	12
36	PINE	17"	X	17
37	TP	36"	X	36
38	HW	17"	X	17
39	HW	36"	X	36
40	HW	14"	X	14
41	PINE	16"	X	16
42	HW	24"	X	24
43	HW/DBL	24"	X	48
TOTAL SAVED:				655"

PLANT LIST:
 QTY: COMMON NAME: BOTANIC NAME: SIZE:
 4 *SARAH'S CRAPMYRTLE LAGERSTROEMIA INDICA 'SARAH'S FAVORITE' STD. 2" CAL

* = STREET TREES
 + = SPECIMEN RECOMPENSE



OWNER/DEVELOPER
 CONTACT: RICK KOLB
 PHONE: (404) 518-3542



The Pines at Greenridge - Lots 11& 12
 Now or Formerly Lots 11, 12, & Reserved Lot of Green Hills Subdivision
 No. 2 Land Lot 349, 17th District, 2nd Section, Cobb County, Georgia

FOR KIMBERLY NORWOOD

Date:	Description:
1/11/19	PERMIT 1ST
PROJ. NO:	2019-01
DESIGN:	sjm
DRAWN:	sjm
CHECKED:	sjm
DATE:	1/11/2019
SCALE:	1"=20'-0"
TREE PROTECTION & REPLACEMENT	