

**AMENITY CENTER**

**HERITAGE TREE PRESERVATION:**  
 TOTAL INCHES OF HERITAGE TREE = 1,164 INCHES  
 TOTAL INCHES OF REMOVED HERITAGE TREES = 25.5 INCHES  
 MITIGATION OF HERITAGE TREES 1:1 = 25.5 INCHES X (1.1 RATIO) = 28.05 INCHES  
 TOTAL INCHES OF SAVED HERITAGE TREES = 1,138.5 INCHES  
 TOTAL HERITAGE MITIGATION = 25.5 INCHES

**SIGNIFICANT TREE PRESERVATION:**  
 TOTAL INCHES OF SIGNIFICANT TREES = 401 INCHES  
 REQUIRED PRESERVATION = 401 INCHES X 40% = 160.4 INCHES  
 TOTAL INCHES OF REMOVED SIGNIFICANT TREES = 240.6 INCHES  
 TOTAL INCHES OF SAVED SIGNIFICANT TREES = 187.5 INCHES  
 EXCESS INCHES PRESERVED = 187.5 INCHES - 160.4 INCHES = 27.1 INCHES

**MITIGATION CALCULATIONS:**  
 MITIGATION REQUIRED PER THIS TREE PLAN = 25.5  
 EXCESS MITIGATION:  
 25.5 INCHES (REQUIRED) - 27.1 INCHES (FROM SIGNIFICANT TREES) = 1.6 INCHES (EXCESS)

**2010 CANOPY CALCULATIONS:**  
 TOTAL ACREAGE = 7.08 ACRES  
 CANOPY REQUIREMENT = 7.08 ACRES X 25% = 1.77 ACRES OF REQUIRED CANOPY

- TREE PROTECTION AND PRESERVATION GENERAL NOTES:**
- NO UTILITY OR STREET EXCAVATION WORK SHALL BEGIN IN AREAS WHERE TREE PRESERVATION AND TREATMENT MEASURES HAVE NOT BEEN COMPLETED AND APPROVED.
  - TREE PROTECTION FENCING SHALL BE REQUIRED. TREE PROTECTION FENCING SHALL BE INSTALLED, MAINTAINED AND REPAIRED BY THE CONTRACTOR DURING SITE CONSTRUCTION. DURING CONSTRUCTION ACTIVITY, AT LEAST A SIX-INCH LAYER OF COARSE MULCH SHALL BE PLACED AND MAINTAINED OVER THE ROOT PROTECTION ZONE (NO SEPARATE PAY ITEM).
  - THE CONTRACTOR SHALL AVOID CUTTING ROOTS LARGER THAN ONE INCH IN DIAMETER WHEN EXCAVATING NEAR EXISTING TREES. EXCAVATION IN THE VICINITY OF TREES SHALL PROCEED WITH CAUTION. THE CONTRACTOR SHALL CONTACT THE CITY INSPECTOR FOR GUIDANCE.
  - ROOTS WILL BE CUT WITH A ROCK SAW OR BY HAND, NOT BY AN EXCAVATOR OR OTHER ROAD CONSTRUCTION EQUIPMENT.
  - ALL CURB AND SIDEWALK WORK SHALL USE ALTERNATIVE CONSTRUCTION METHODS TO MINIMIZE EXTENSIVE ROOT DAMAGE TO TREES (REFER TO DETAILS).
  - EXPOSED ROOTS SHALL BE COVERED AT THE END OF THE DAY USING TECHNIQUES SUCH AS COVERING WITH SOIL, MULCH, OR WET BURLAP.
  - NO EQUIPMENT, VEHICLES OR MATERIALS SHALL OPERATE OR BE STORED WITHIN THE ROOT PROTECTION ZONE OF ANY TREE NEAR THE PROJECT. ROOT PROTECTION ZONE IS 1 FOOT OF RADIUS PER INCH OF TREE'S DIAMETER. A 10-INCH DIAMETER TREE WOULD HAVE A 10 FOOT RADIUS ROOT PROTECTION ZONE AROUND THE TREE. ROOTS OR BRANCHES IN CONFLICT WITH THE CONSTRUCTION SHALL BE CUT CLEANLY ACCORDING TO PROPER PRUNING METHODS. OAK WOUNDS SHALL BE PAINTED OVER WITHIN 30 MINUTES TO PREVENT OAK WILT.
  - NO WIRES, NAILS OR OTHER MATERIAL MAY BE ATTACHED TO PROTECTED TREES.
  - TREES, TREE LIMBS, BUSHES AND SHRUBS LOCATED IN THE CITY STREET OR ALLEY, RIGHT-OF-WAY OR PERMANENT EASEMENTS WHICH INTERFERE WITH PROPOSED CONSTRUCTION ACTIVITIES SHALL BE PROPERLY PRUNED FOLLOWING THE ANSI A-300 STANDARDS FOR PRUNING. ALL TREE PRUNING SHALL BE COMPLETED BY A CITY OF SAN ANTONIO TREE MAINTENANCE LICENSED CONTRACTOR (ARTICLE 21-71, CITY CODE) ONLY AFTER APPROVAL FROM THE CAPITAL PROJECT MANAGER THROUGH THE INSPECTOR.
  - NO EXCESSIVE TREE TRIMMING WILL BE PERMITTED.
  - ALL DEBRIS GENERATED BY THE PRUNING AND TRIMMING OF THE TREES AND / OR BUSHES SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY (NO SEPARATE PAY ITEM).
  - TREES MUST BE MAINTAINED IN GOOD HEALTH THROUGHOUT THE CONSTRUCTION PROCESS. MAINTENANCE MAY INCLUDE, BUT NOT LIMITED TO: WATERING THE ROOT PROTECTION ZONE, WASHING FOLIAGE, FERTILIZATION, PRUNING, ADDITIONAL MULCH APPLICATIONS AND OTHER MAINTENANCE AS NEEDED ON THE PROJECT.
  - ANY TREE REMOVAL SHALL BE APPROVED BY THE CITY ARBORIST. (207-0278)
  - TREES WHICH ARE DAMAGED OR LOST DUE TO THE CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE MITIGATED TO THE CITY'S SATISFACTION.
  - TREE PLANTING FOR MITIGATION OR ENHANCEMENT: ALL PLANTED TREES SHALL BE MAINTAINED IN A HEALTHY CONDITION AT ALL TIMES. THIS INCLUDES IRRIGATION, FERTILIZING, PRUNING AND OTHER MAINTENANCE AS NEEDED ON THE PROJECT. TREES THAT DIE WITHIN TWELVE (12) MONTHS SHALL BE REPLACED WITH A TREE EQUAL SIZE AND SPECIES.
  - EXISTING AND PROPOSED GRADES WILL BE REQUIRED ON THE TREE PRESERVATION PLANS FOR FUTURE UNITS PRIOR TO ANY TREE REMOVAL OR SITE WORK WITHIN THOSE UNITS.
  - TREE PLANTING SOIL REQUIREMENT NOTE: PER 35-523(M)(7), ALL TREE PLANTING SUBJECT TO SECTION 35-523(M) SHALL BE REQUIRED TO BE PLANTED IN SOIL THAT IS SUITABLE FOR ESTABLISHING AND SUSTAINING THE PLANTINGS, IN ADDITION TO CONTAINING SUITABLE SOIL PARTICLE SIZE AND DEPTH OF SOIL ZONE. THE SOIL MUST CONTAIN SUFFICIENT ORGANIC MATTER, NUTRIENTS, TESTING AND CONTRIBUTION BY A LANDSCAPE ARCHITECT, OR A TEXAS LICENSED SOIL TESTING FIRM SHALL BE COMPLETED TO ENSURE THE SOILS ARE SUITABLE. IN LIEU OF CONFIRMATION BY A LANDSCAPE ARCHITECT, OR A TEXAS LICENSED SOIL TESTING FIRM, SOIL MAY BE AMENDED WITH COMPOST BY ADDING THREE (3) INCHES OF COMPOST BLENDED INTO EVERY ONE (1) FOOT OF SOIL. FOR COMPLETE SOIL REPLACEMENT, SUCH AS TREE PLANTINGS, AN AMOUNT OF TWENTY-FIVE (25) PERCENT COMPOST MAY BE ADDED TO SEVENTY-FIVE (75) PERCENT NATIVE SOIL.

**HERITAGE TREE PRESERVATION:**  
 TOTAL INCHES OF HERITAGE TREE = 3,126.5 INCHES  
 TOTAL INCHES OF REMOVED HERITAGE TREES = 1,101.5 INCHES  
 MITIGATION OF HERITAGE TREES 3:1 = 1012.5 INCHES X (3:1 RATIO) = 3,037.5 INCHES  
 MITIGATION OF HERITAGE TREES 1:1 = 89 INCHES X (1:1 RATIO) = 89 INCHES  
 TOTAL INCHES OF SAVED HERITAGE TREES = 1,830.5 INCHES  
 TOTAL HERITAGE MITIGATION = 3,126.5 INCHES

**SIGNIFICANT TREE PRESERVATION:**  
 TOTAL INCHES OF SIGNIFICANT TREES = 3,248.5 INCHES  
 REQUIRED PRESERVATION = 3,248.5 INCHES X 35% = 1,137 INCHES  
 TOTAL INCHES OF REMOVED SIGNIFICANT TREES = 2,267.5 INCHES  
 TOTAL INCHES OF SAVED SIGNIFICANT TREES = 681 INCHES  
 ADDITIONAL MITIGATION REQUIRED = 1,137 INCHES - 681 INCHES = 456 INCHES  
 PERCENTAGE OF TREES PRESERVED = 456/3,248.5 = 14.0%

**FLOODPLAIN BUFFER CALCULATIONS:**  
 TOTAL INCHES OF HERITAGE TREES INSIDE FLOODPLAIN BUFFER = 70.5 INCHES  
 TOTAL INCHES OF SIGNIFICANT TREES INSIDE FLOODPLAIN BUFFER = 12.8 INCHES  
 REQUIRED TREE PRESERVATION AREA = 12.8 INCHES X (80% MIN) = 10.24 INCHES  
 PROPOSED TREE PRESERVATION AREA = 12.8 INCHES  
 EXCESS INCHES PRESERVED = 12.8 INCHES - 10.24 INCHES = 2.56 INCHES

**MITIGATION CALCULATIONS:**  
 MITIGATION REQUIRED PER THIS TREE PLAN = 3,126.5 INCHES + 456 INCHES = 3,582.5 INCHES  
 REQUIRED STREETScape:

SECONDARY ARTERIAL = (5,210 LF X 80%) = 4,168 LF X 1 TREE/50 LF X 2 SIDES OF ROW = 168 TREES  
 STREETScape REQUIRED = 168 TREES - 1.5" TREES REQUIRED  
 STREETScape TREES PROVIDED = 168 - 3" TREES

MITIGATION FROM STREETScape = (1.5" X 168 TREES) = 252 INCHES

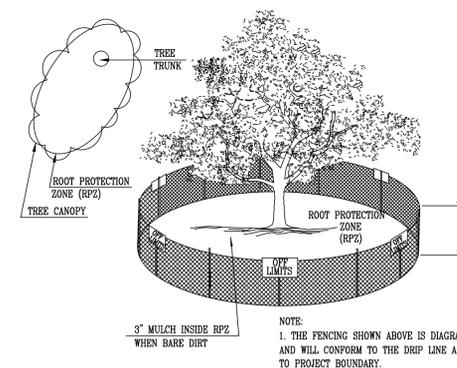
TOTAL MITIGATION PER LOT PROVIDED:  
 2 - 3" TREES PER LOT WILL BE PLANTED (1.5" TREES REQUIRED PER UDC)

TOTAL INCHES PROVIDED PER 40' LOT = 2 (3" PROVIDED - 1.5" REQUIRED PER UDC) + 1 (1.5" PROVIDED) = 4.5 INCH PER LOT  
 TOTAL INCHES PROVIDED PER 30' LOT = 2 (4" PROVIDED - 1.5" REQUIRED PER UDC) = 5.0 INCH PER LOT

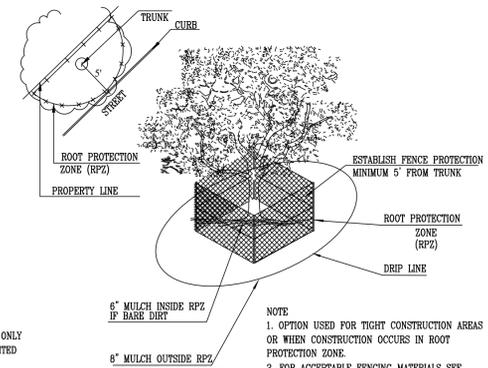
MITIGATION FROM LOTS = (4.5 INCH PER LOT X 585 LOTS) + (5.0 INCH PER LOT X 231 LOTS) = 3,787.5 INCHES

EXCESS MITIGATION:  
 3,582.5 INCHES (REQUIRED) - 252 INCHES (FROM STREETScape) - 3,787.5 INCHES (FROM LOTS) - 2.56 (FROM FLOODPLAIN BUFFER) = 459.56 INCHES (EXCESS)

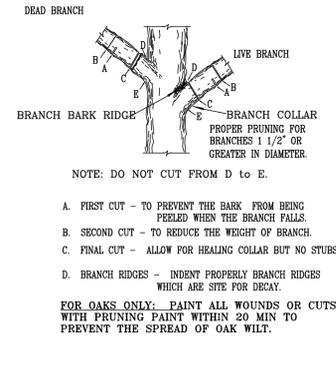
**2010 CANOPY CALCULATIONS:**  
 TOTAL ACREAGE = 176.77 ACRES  
 TOTAL LOTS = 816 LOTS  
 CANOPY REQUIREMENT = 169.69 ACRES X 38% = 64.48 ACRES OF REQUIRED CANOPY  
 PROVIDED CANOPY:  
 TOTAL PLANTED TREES PER LOT = 3 TREES/LOT  
 (2 OF THE 3 TREES REQUIRED SHALL BE PLANTED ON THE SOUTH OR WEST SIDE OF HOUSE FOR ENERGY CONSERVATION CREDIT OF 1.5/TREE)  
 2 LARGE TREES/LOT X 816 LOTS X 1,200 SQUARE FEET/TREE X 1 ACRE/43,560 SQUARE FEET X 90% = 40.46 ACRES  
 1 MEDIUM TREE/LOT X 816 LOTS X 875 SQUARE FEET/TREE X 1 ACRE/43,560 SQUARE FEET X 90% = 14.75 ACRES  
 ENERGY CREDITS: 816 LOTS X 2 TREES/LOT X 1,200 SQUARE FEET/TREE X 1 ACRE/43,560 SQUARE FEET X 90% X 50% = 20.23 ACRES  
 EXCESS CANOPY = 75.44 ACRES (PROVIDED) - 64.48 ACRES (REQUIRED RESIDENTIAL) = 10.96 ACRES (EXCESS)



1.1.2 LEVEL I & FENCE PROTECTION  
N. T. S.



1.1.3 LEVEL II A FENCE PROTECTION  
N. T. S.

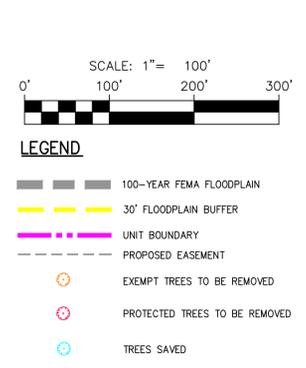
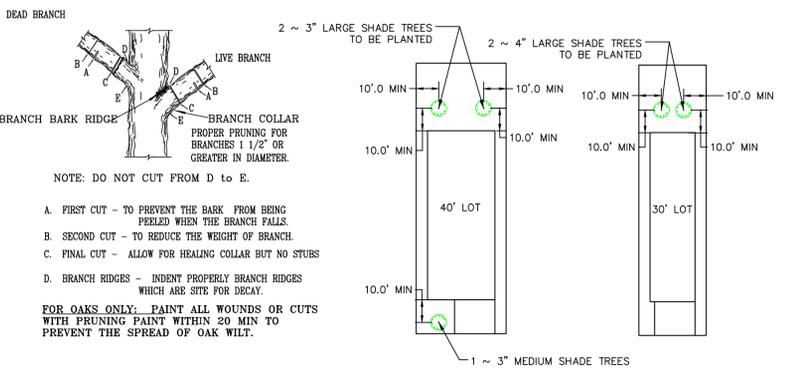
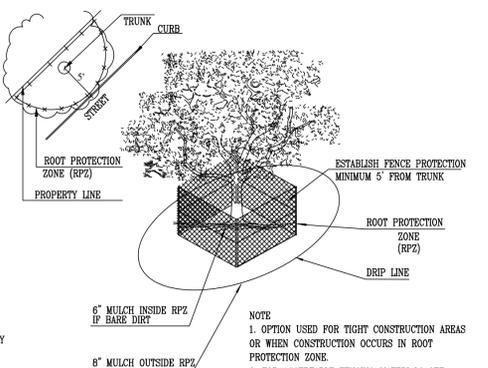
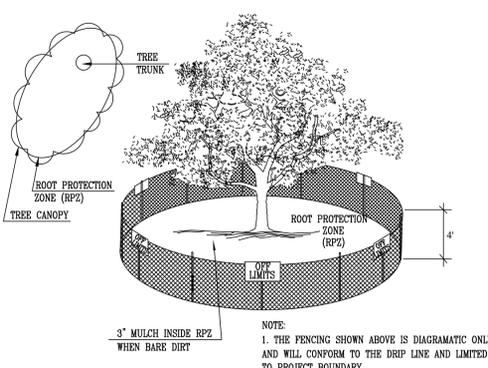


1.1.4 BRANCH PRUNING DETAIL  
N. T. S.

Date: Nov, 13, 2024, 9:52am User: jf-adam@pape-dawson.com  
 File: P:\13045\1304520\Design\Civil\Tree\Tree Plan\_Cover.dwg

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DATE	
NO. REVISION	
<b>BLOSSOM RANCH</b> SAN ANTONIO, TEXAS <b>TREE PRESERVATION PLAN</b>	
PLAT NO.	-
JOB NO.	13055-03
DATE	OCTOBER 2024
DESIGNER	AD
CHECKED	AS DRAWN AD
SHEET	1 OF 5



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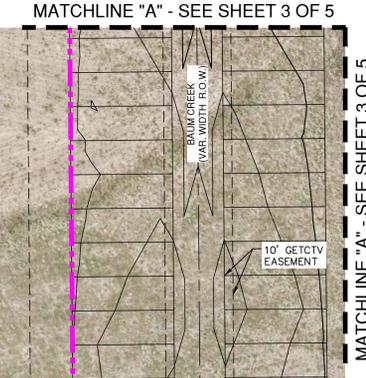
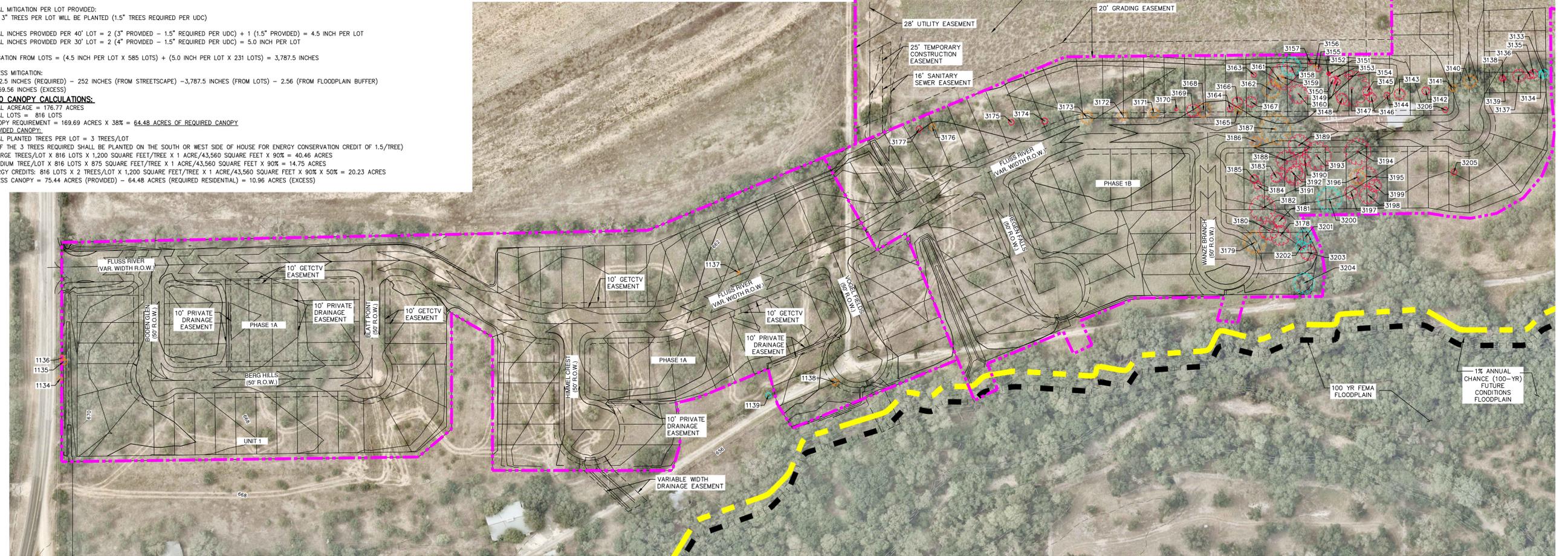
**AMENITY CENTER**

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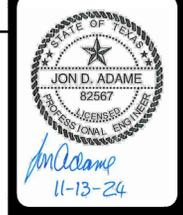
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**2010 CANOPY CALCULATIONS:**  
TOTAL ACREAGE = 7.08 ACRES  
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NO.	REVISION	DATE

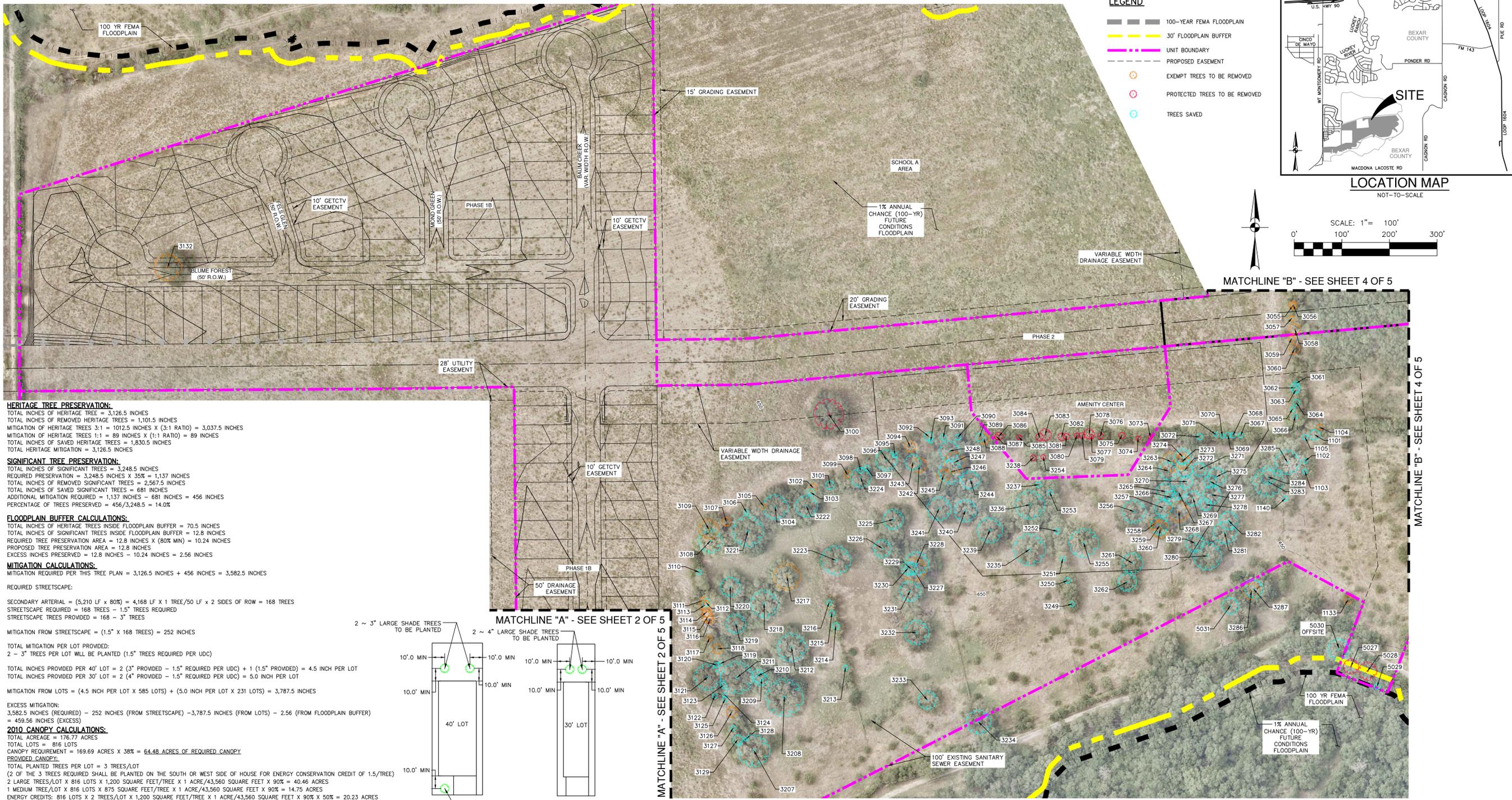


**PAPE-DAWSON ENGINEERS**  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #479 | TEXAS SURVEYING FIRM #1008800

**BLOSSOM RANCH**  
SAN ANTONIO, TEXAS  
TREE PRESERVATION PLAN

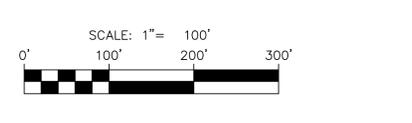
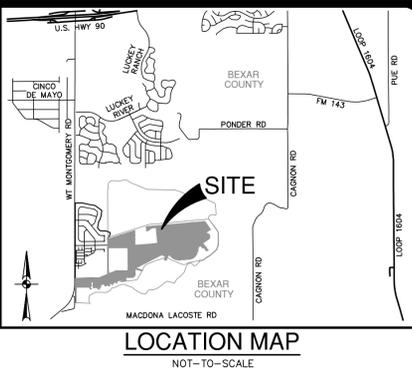
PLAT NO.	-
JOB NO.	13055-03
DATE	OCTOBER 2024
DESIGNER	AD
CHECKED	AS DRAWN AD
SHEET	2 OF 5

Notes: Nov 13, 2024, 2:54pm User ID: adadame  
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**LEGEND**

- 100-YEAR FEMA FLOODPLAIN
- 30' FLOODPLAIN BUFFER
- UNIT BOUNDARY
- PROPOSED EASEMENT
- EXEMPT TREES TO BE REMOVED
- PROTECTED TREES TO BE REMOVED
- TREES SAVED



**HERITAGE TREE PRESERVATION:**  
 TOTAL INCHES OF HERITAGE TREE = 3,126.5 INCHES  
 TOTAL INCHES OF REMOVED HERITAGE TREES = 1,101.5 INCHES  
 MITIGATION OF HERITAGE TREES 3:1 = 1012.5 INCHES X (3:1 RATIO) = 3,037.5 INCHES  
 MITIGATION OF HERITAGE TREES 1:1 = 89 INCHES X (1:1 RATIO) = 89 INCHES  
 TOTAL INCHES OF SAVED HERITAGE TREES = 1,830.5 INCHES  
 TOTAL HERITAGE MITIGATION = 3,126.5 INCHES

**SIGNIFICANT TREE PRESERVATION:**  
 TOTAL INCHES OF SIGNIFICANT TREES = 3,248.5 INCHES  
 REQUIRED PRESERVATION = 3,248.5 INCHES X 35% = 1,137 INCHES  
 TOTAL INCHES OF REMOVED SIGNIFICANT TREES = 2,567.5 INCHES  
 TOTAL INCHES OF SAVED SIGNIFICANT TREES = 681 INCHES  
 ADDITIONAL MITIGATION REQUIRED = 1,137 INCHES - 681 INCHES = 456 INCHES  
 PERCENTAGE OF TREES PRESERVED = 456/3,248.5 = 14.0%

**FLOODPLAIN BUFFER CALCULATIONS:**  
 TOTAL INCHES OF HERITAGE TREES INSIDE FLOODPLAIN BUFFER = 70.5 INCHES  
 TOTAL INCHES OF SIGNIFICANT TREES INSIDE FLOODPLAIN BUFFER = 12.8 INCHES  
 REQUIRED TREE PRESERVATION AREA = 12.8 INCHES X (80% MIN) = 10.24 INCHES  
 PROPOSED TREE PRESERVATION AREA = 12.8 INCHES  
 EXCESS INCHES PRESERVED = 12.8 INCHES - 10.24 INCHES = 2.56 INCHES

**MITIGATION CALCULATIONS:**  
 MITIGATION REQUIRED PER THIS TREE PLAN = 3,126.5 INCHES + 456 INCHES = 3,582.5 INCHES  
 REQUIRED STREETSCAPE:  
 SECONDARY ARTERIAL = (5,210 LF X 80%) = 4,168 LF X 1 TREE/SO LF X 2 SIDES OF ROW = 168 TREES  
 STREETSCAPE REQUIRED = 168 TREES - 1.5" TREES REQUIRED  
 STREETSCAPE TREES PROVIDED = 168 - 3" TREES

MITIGATION FROM STREETSCAPE = (1.5" X 168 TREES) = 252 INCHES

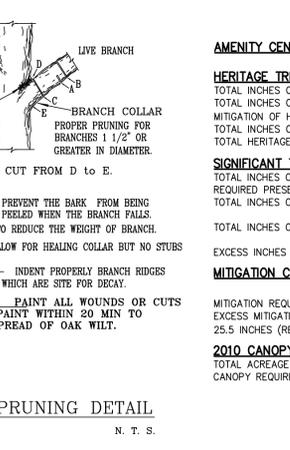
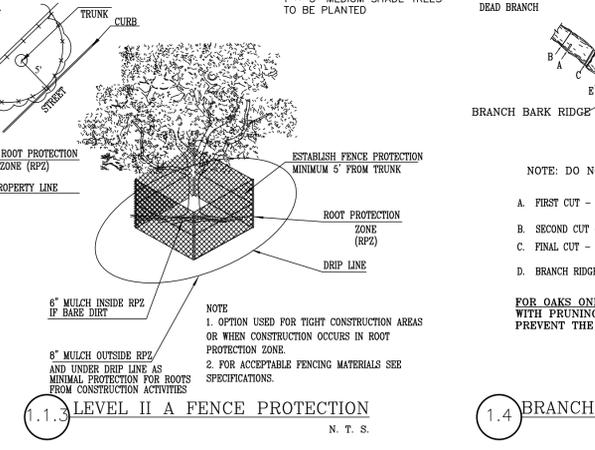
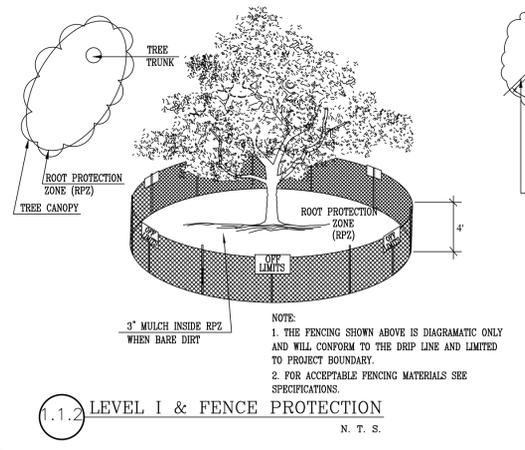
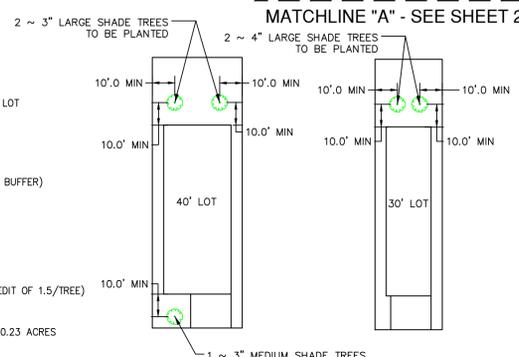
TOTAL MITIGATION PER LOT PROVIDED:  
 2 - 3" TREES PER LOT WILL BE PLANTED (1.5" TREES REQUIRED PER UDC)

TOTAL INCHES PROVIDED PER 40' LOT = 2 (3" PROVIDED - 1.5" REQUIRED PER UDC) + 1 (1.5" PROVIDED) = 4.5 INCH PER LOT  
 TOTAL INCHES PROVIDED PER 30' LOT = 2 (4" PROVIDED - 1.5" REQUIRED PER UDC) = 5.0 INCH PER LOT

MITIGATION FROM LOTS = (4.5 INCH PER LOT X 585 LOTS) + (5.0 INCH PER LOT X 231 LOTS) = 3,787.5 INCHES

EXCESS MITIGATION:  
 3,582.5 INCHES (REQUIRED) - 252 INCHES (FROM STREETSCAPE) - 3,787.5 INCHES (FROM LOTS) - 2.56 (FROM FLOODPLAIN BUFFER) = 459.56 INCHES (EXCESS)

**2010 CANOPY CALCULATIONS:**  
 TOTAL ACREAGE = 176.77 ACRES  
 TOTAL LOTS = 816 LOTS  
 CANOPY REQUIREMENT = 169.69 ACRES X 38% = 64.48 ACRES OF REQUIRED CANOPY  
 PROVIDED CANOPY:  
 TOTAL PLANTED TREES PER LOT = 3 TREES/LOT  
 (2 OF THE 3 TREES REQUIRED SHALL BE PLANTED ON THE SOUTH OR WEST SIDE OF HOUSE FOR ENERGY CONSERVATION CREDIT OF 1.5/TREE)  
 2 LARGE TREES/LOT X 816 LOTS X 1,200 SQUARE FEET/TREE X 1 ACRE/43,560 SQUARE FEET X 90% = 40.46 ACRES  
 1 MEDIUM TREE/LOT X 816 LOTS X 875 SQUARE FEET/TREE X 1 ACRE/43,560 SQUARE FEET X 90% = 14.75 ACRES  
 ENERGY CREDITS: 816 LOTS X 2 TREES/LOT X 1,200 SQUARE FEET/TREE X 1 ACRE/43,560 SQUARE FEET X 90% X 50% = 20.23 ACRES  
 EXCESS CANOPY = 75.44 ACRES (PROVIDED) - 64.48 ACRES (REQUIRED RESIDENTIAL) = 10.96 ACRES (EXCESS)



**AMENITY CENTER**  
 TOTAL INCHES OF HERITAGE TREE = 1,164 INCHES  
 TOTAL INCHES OF REMOVED HERITAGE TREES = 25.5 INCHES  
 MITIGATION OF HERITAGE TREES 1:1 = 25.5 INCHES X (1:1 RATIO) = 25.5 INCHES  
 TOTAL INCHES OF SAVED HERITAGE TREES = 1,138.5 INCHES  
 TOTAL HERITAGE MITIGATION = 25.5 INCHES

**SIGNIFICANT TREE PRESERVATION:**  
 TOTAL INCHES OF SIGNIFICANT TREES = 401 INCHES  
 REQUIRED PRESERVATION = 401 INCHES X 40% = 160.4 INCHES  
 TOTAL INCHES OF SAVED SIGNIFICANT TREES = 213.5 INCHES

TOTAL INCHES OF SAVED SIGNIFICANT TREES = 187.5 INCHES

EXCESS INCHES PRESERVED = 187.5 INCHES - 160.4 INCHES = 27.1 INCHES

**MITIGATION CALCULATIONS:**  
 MITIGATION REQUIRED PER THIS TREE PLAN = 25.5  
 EXCESS MITIGATION: - 27.1 INCHES (FROM SIGNIFICANT TREES) = 1.6 INCHES (EXCESS)

**2010 CANOPY CALCULATIONS:**  
 TOTAL ACREAGE = 7.08 ACRES  
 CANOPY REQUIREMENT = 7.08 ACRES X 25% = 1.77 ACRES OF REQUIRED CANOPY

**TREE PROTECTION AND PRESERVATION GENERAL NOTES:**

- NO UTILITY OR STREET EXCAVATION WORK SHALL BEGIN IN AREAS WHERE TREE PRESERVATION AND TREATMENT MEASURES HAVE NOT BEEN COMPLETED AND APPROVED.
- TREE PROTECTION FENCING SHALL BE REQUIRED. TREE PROTECTION FENCING SHALL BE INSTALLED, MAINTAINED AND REPAIRED BY THE CONTRACTOR DURING SITE CONSTRUCTION. DURING CONSTRUCTION ACTIVITY, AT LEAST A SIX-INCH LAYER OF COARSE MULCH SHALL BE PLACED AND MAINTAINED OVER THE ROOT PROTECTION ZONE (NO SEPARATE PAY ITEM).
- THE CONTRACTOR SHALL AVOID CUTTING ROOTS LARGER THAN ONE INCH IN DIAMETER WHEN EXCAVATING NEAR EXISTING TREES. EXCAVATION IN THE VICINITY OF TREES SHALL PROCEED WITH CAUTION. THE CONTRACTOR SHALL CONTACT THE CITY INSPECTOR FOR GUIDANCE.
- ROOTS WILL BE CUT WITH A ROCK SAW OR BY HAND, NOT BY AN EXCAVATOR OR OTHER ROAD CONSTRUCTION EQUIPMENT.
- ALL CURB AND SIDEWALK WORK SHALL USE ALTERNATIVE CONSTRUCTION METHODS TO MINIMIZE EXTENSIVE ROOT DAMAGE TO TREES (REFER TO DETAILS).
- EXPOSED ROOTS SHALL BE COVERED AT THE END OF THE DAY USING TECHNIQUES SUCH AS COVERING WITH SOIL, MULCH, OR WET BURLAP.
- NO EQUIPMENT, VEHICLES OR MATERIALS SHALL OPERATE OR BE STORED WITHIN THE ROOT PROTECTION ZONE OF ANY TREE NEAR THE PROJECT. ROOT PROTECTION ZONE IS 10 FEET OF RADIUS PER INCH OF TREE'S DIAMETER. A 10-INCH DIAMETER TREE WOULD HAVE A 10 FOOT RADIUS ROOT PROTECTION ZONE AROUND THE TREE. ROOTS OR BRANCHES IN CONFLICT WITH THE CONSTRUCTION SHALL BE CUT CLEARLY ACCORDING TO PROPER PRUNING METHODS. OAK WOUNDS SHALL BE PAINTED OVER WITHIN 30 MINUTES TO PREVENT OAK WILT.
- NO WIRES, NAILS OR OTHER MATERIAL MAY BE ATTACHED TO PROTECTED TREES.
- TREES, TREE LIMBS, BUSHES AND SHRUBS LOCATED IN THE CITY STREET OR ALLEY, RIGHT-OF-WAY OR PERMANENT EASEMENTS WHICH INTERFERE WITH PROPOSED CONSTRUCTION ACTIVITIES SHALL BE PROPERLY PRUNED FOLLOWING THE ANSI A-300 STANDARDS FOR PRUNING. ALL TREE PRUNING SHALL BE COMPLETED BY A CITY OF SAN ANTONIO TREE MAINTENANCE LICENSED CONTRACTOR (ARTICLE 21-71, CITY CODE) ONLY AFTER APPROVAL FROM THE CAPITAL PROJECT MANAGER THROUGH THE INSPECTOR.
- NO EXCESSIVE TREE TRIMMING WILL BE PERMITTED.
- ALL DEBRIS GENERATED BY THE PRUNING AND TRIMMING OF THE TREES AND / OR BUSHES SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY (NO SEPARATE PAY ITEM).
- TREES MUST BE MAINTAINED IN GOOD HEALTH THROUGHOUT THE CONSTRUCTION PROCESS. MAINTENANCE MAY INCLUDE, BUT NOT LIMITED TO: WATERING THE ROOT PROTECTION ZONE, WASHING FOLIAGE, FERTILIZATION, PRUNING, ADDITIONAL MULCH APPLICATIONS AND OTHER MAINTENANCE AS NEEDED ON THE PROJECT.
- ANY TREE REMOVAL SHALL BE APPROVED BY THE CITY ARBORIST. (2027-0278)
- TREES WHICH ARE DAMAGED OR LOST DUE TO THE CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE MITIGATED TO THE CITY'S SATISFACTION.
- TREE PLANTING FOR MITIGATION OR ENHANCEMENT: ALL PLANTED TREES SHALL BE MAINTAINED IN A HEALTHY CONDITION AT ALL TIMES. THIS INCLUDES IRRIGATION, FERTILIZING, PRUNING AND OTHER MAINTENANCE AS NEEDED ON THE PROJECT. TREES THAT DIE WITHIN TWELVE (12) MONTHS SHALL BE REPLACED WITH A TREE EQUAL SIZE AND SPECIES.
- EXISTING AND PROPOSED GRADES WILL BE REQUIRED ON THE TREE PRESERVATION PLANS FOR FUTURE UNITS PRIOR TO ANY TREE REMOVAL OR SITE WORK WITHIN THOSE UNITS.
- TREE PLANTING SOIL REQUIREMENT NOTE PER 35-5231(W)(7): ALL TREE PLANTING SUBJECT TO SECTION 35-5231(M) SHALL BE REQUIRED TO BE PLANTED IN SOIL THAT IS SUITABLE FOR ESTABLISHING AND SUSTAINING THE PLANTINGS. IN ADDITION TO CONTAINING SUITABLE SOIL PARTICLE SIZE AND DEPTH OF SOIL ZONE, THE SOIL MUST CONTAIN SUFFICIENT ORGANIC MATTER AND NUTRIENTS. TESTING AND CONFIRMATION BY A LANDSCAPE ARCHITECT, OR A TEXAS LICENSED SOIL TESTING FIRM SHALL BE COMPLETED TO ENSURE THE SOILS ARE SUITABLE IN LIEU OF CONFIRMATION BY A LANDSCAPE ARCHITECT, OR A TEXAS LICENSED SOIL TESTING FIRM. SOIL MAY BE AMENDED WITH COMPOST BY ADDING THREE (3) INCHES OF COMPOST BLENDED INTO EVERY ONE (1) FOOT OF SOIL. FOR COMPLETE SOIL REPLACEMENT, SUCH AS TREE PLANTINGS, AN AMOUNT OF TWENTY-FIVE (25) PERCENT COMPOST MAY BE ADDED TO SEVENTY-FIVE (75) PERCENT NATIVE SOIL.

DATE: \_\_\_\_\_

NO. REVISION: \_\_\_\_\_

**JON D. ADAMS**  
 LICENSED PROFESSIONAL ENGINEER  
 11-13-24

**PAPE-DAWSON ENGINEERS**  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #479 | TEXAS SURVEYING FIRM #1008800

**BLOSSOM RANCH**  
 SAN ANTONIO, TEXAS

**TREE PRESERVATION PLAN**

PLAT NO. \_\_\_\_\_

JOB NO. 13055-03

DATE: OCTOBER 2024

DESIGNER: AD

CHECKED: AS DRAWN: AD

SHEET: 3 OF 5

Plot: C:\Users\jacob... \Projects\BlossomRanch\210A\_Tree\_Plan.dwg  
 Date: Nov 13, 2024, 2:54pm User: jacob...  
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SIGNIFICANT TREES TO BE REMOVED (RESIDENTIAL)					
TAG#	SPECIES	SIZE (IN.)	TAG#	SPECIES	SIZE (IN.)
1078	MESQUITE	11	1488	HACKBERRY	10
1083	MESQUITE	10	1499	HACKBERRY	11
1084	MESQUITE	11.5	1500	HACKBERRY	11
1086	MESQUITE	11	3007	HACKBERRY	12.5
1106	HACKBERRY	11	3008	HACKBERRY	11.5
1107	HACKBERRY	10	3009	HACKBERRY	13.5
1108	HACKBERRY	10	3010	HACKBERRY	14.5
1109	HACKBERRY	10	3011	HACKBERRY	22.5
1110	MESQUITE	10	3012	HACKBERRY	10.5
1112	HACKBERRY	10.5	3013	HACKBERRY	19.5
1113	HACKBERRY	11	3014	HACKBERRY	13.5
1114	HACKBERRY	10.5	3019	HACKBERRY	14
1115	HACKBERRY	16	3020	HACKBERRY	11
1116	HACKBERRY	10	3021	HACKBERRY	17.5
1117	HACKBERRY	11	3024	HACKBERRY	12.5
1118	HACKBERRY	17	3025	HACKBERRY	10.5
1119	HACKBERRY	18	3026	HACKBERRY	17
1120	HACKBERRY	10	3027	HACKBERRY	17.5
1121	HACKBERRY	14	3028	HACKBERRY	11.5
1122	HACKBERRY	11.5	3029	HACKBERRY	20
1123	MESQUITE	18	3030	HACKBERRY	19.5
1124	HACKBERRY	14	3031	HACKBERRY	14.5
1125	HACKBERRY	12	3032	HACKBERRY	11.5
1127	HACKBERRY	13	3033	HACKBERRY	11
1128	HACKBERRY	18	3034	HACKBERRY	14.5
1129	HACKBERRY	10	3040	HACKBERRY	10.5
1130	HACKBERRY	10	3041	HACKBERRY	11
1131	HACKBERRY	10	3042	HACKBERRY	10
1132	HACKBERRY	12	3043	HACKBERRY	23
1226	HACKBERRY	10.5	3044	HACKBERRY	13
1316	HACKBERRY	14	3050	HACKBERRY	10
1319	HACKBERRY	15	3051	HACKBERRY	13
1320	HACKBERRY	11	3052	HACKBERRY	15
1321	HACKBERRY	11.5	3054	HACKBERRY	10.5
1322	HACKBERRY	19	3083	HACKBERRY	23.5
1323	HACKBERRY	14.5	3084	HACKBERRY	11
1324	HACKBERRY	11	3135	PECAN	18
1325	HACKBERRY	10.5	3138	PECAN	13
1346	HACKBERRY	12.5	3138	HACKBERRY	12
1347	HACKBERRY	14	3139	PECAN	8.5
1348	HACKBERRY	13.5	3141	PECAN	14
1349	HACKBERRY	13	3142	HACKBERRY	15.5
1350	HACKBERRY	10.5	3143	HACKBERRY	21.5
1351	HACKBERRY	13.5	3145	HACKBERRY	18
1352	HACKBERRY	17	3146	HACKBERRY	10.5
1354	HACKBERRY	18.5	3148	HACKBERRY	21.5
1355	HACKBERRY	15	3149	HACKBERRY	12.5
1356	HACKBERRY	17	3150	HACKBERRY	13
1392	HACKBERRY	12.5	3151	PECAN	6.5
1393	HACKBERRY	10	3152	PECAN	7.5
1394	HACKBERRY	11	3153	PECAN	6
1395	HACKBERRY	9	3154	HACKBERRY	11
1396	LIVE OAK	9	3155	HACKBERRY	11.5
1397	LIVE OAK	18	3157	PECAN	8.5
1398	LIVE OAK	19.5	3163	HACKBERRY	10
1399	LIVE OAK	17.5	3164	HACKBERRY	11
1400	LIVE OAK	17	3166	PECAN	20
1401	LIVE OAK	15	3167	PECAN	21
1402	LIVE OAK	18	3170	PECAN	7
1403	LIVE OAK	18	3174	HACKBERRY	13
1404	LIVE OAK	8.5	3175	HACKBERRY	11.5
1405	LIVE OAK	9	3177	HACKBERRY	12
1406	LIVE OAK	6	3181	LIVE OAK	23
1407	LIVE OAK	8	3183	PECAN	20.5
1408	LIVE OAK	12.5	3184	PECAN	15
1409	LIVE OAK	9.5	3185	PECAN	17
1410	LIVE OAK	22.5	3189	HACKBERRY	10.5
1430	LIVE OAK	13.5	3205	HACKBERRY	11.5
1432	LIVE OAK	9	3206	HACKBERRY	11
1433	LIVE OAK	18.5	3968	HACKBERRY	22
1434	LIVE OAK	21.5	3970	HACKBERRY	19.5
1435	LIVE OAK	22	3971	HACKBERRY	10
1436	LIVE OAK	17	3972	PECAN	6.5
1437	LIVE OAK	21	3973	HACKBERRY	13
1440	LIVE OAK	21	3974	HACKBERRY	10.5
1460	HACKBERRY	10	3975	HACKBERRY	11.5
1461	HACKBERRY	10.5	3976	HACKBERRY	11
1462	HACKBERRY	10	3977	HACKBERRY	17
1463	HACKBERRY	13.5	3978	HACKBERRY	23.5
1464	HACKBERRY	10.5	3979	HACKBERRY	15.5
1465	HACKBERRY	10	3980	HACKBERRY	10.5
1466	HACKBERRY	11	3981	HACKBERRY	10.5
1467	HACKBERRY	11.5	3982	MESQUITE	14
1468	HACKBERRY	13	3983	HACKBERRY	11.5
1472	HACKBERRY	10.5	3984	HACKBERRY	11.5
1473	HACKBERRY	10.5	3986	GUM GUMELIA	8
1474	HACKBERRY	10.5	3987	HACKBERRY	10.5
1475	HACKBERRY	11	3988	HACKBERRY	15.5
1476	MESQUITE	10.5	3994	HACKBERRY	15.5
1477	HACKBERRY	10	3995	HACKBERRY	11.5
1478	HACKBERRY	11	3996	HACKBERRY	14.5
1479	HACKBERRY	10.5	3997	HACKBERRY	10
1480	HACKBERRY	14	3998	MESQUITE	10.5
1481	HACKBERRY	11	3999	HACKBERRY	12.5
1487	HACKBERRY	12	4000	HACKBERRY	16.5

SIGNIFICANT TREES TO BE REMOVED (NON-RESIDENTIAL)		
TAG#	SPECIES	SIZE (IN.)
3073	HACKBERRY	10
3074	HACKBERRY	10
3075	HACKBERRY	13.5
3076	HACKBERRY	13.5
3077	HACKBERRY	10
3078	HACKBERRY	22
3079	HACKBERRY	13
3080	HACKBERRY	11.5
3081	HACKBERRY	14
3082	HACKBERRY	16.5
3084	HACKBERRY	16.5
3085	HACKBERRY	11
3086	HACKBERRY	17.5
3087	HACKBERRY	11
3238	HACKBERRY	13
3254	HACKBERRY	10.5

SIGNIFICANT TREES TO BE SAVED (NON-RESIDENTIAL)		
TAG#	SPECIES	SIZE (IN.)
3067	HACKBERRY	11
3068	HACKBERRY	11.5
3069	HACKBERRY	12.5
3070	HACKBERRY	10
3071	HACKBERRY	10
3072	HACKBERRY	13.5
3079	HACKBERRY	18.5
3091	HACKBERRY	13
3092	HACKBERRY	19
3093	HACKBERRY	11
3095	HACKBERRY	12.5
3237	HACKBERRY	10
3251	HACKBERRY	10
3252	HACKBERRY	11.5
3253	HACKBERRY	11

SIGNIFICANT TREES TO BE SAVED (BUFFER ZONE)		
TAG#	SPECIES	SIZE (IN.)
5020	HACKBERRY	12.8

EXEMPT HERITAGE TREES (NON-RESIDENTIAL)		
TAG#	SPECIES	SIZE (IN.)
*3242	LIVE OAK	32.5
*3245	LIVE OAK	26
*3247	LIVE OAK	45
*3258	LIVE OAK	24.5
*3260	LIVE OAK	38
*3263	LIVE OAK	42
*3268	LIVE OAK	43.5

EXEMPT SIGNIFICANT TREES (RESIDENTIAL)					
TAG#	SPECIES	SIZE (IN.)	TAG#	SPECIES	SIZE (IN.)
1075	HACKBERRY	13	*1459	HACKBERRY	14
*1076	HUISACHE	11	1460	HACKBERRY	17
*1077	HUISACHE	11	1470	HACKBERRY	16
1079	MESQUITE	11	*1471	HACKBERRY	14
1080	MESQUITE	12	1483	HACKBERRY	10
1081	MESQUITE	13	1484	HACKBERRY	12.5
1082	MESQUITE	11	1485	HACKBERRY	14.5
*1083	MESQUITE	13	1486	HACKBERRY	12.5
1087	MESQUITE	11	1489	HACKBERRY	13
1088	MESQUITE	11	1490	HACKBERRY	10
1089	MESQUITE	12	1491	HACKBERRY	13
*1090	HUISACHE	10	1492	HACKBERRY	12
*1091	HUISACHE	11	1493	HACKBERRY	10
*1092	HACKBERRY	20	1494	HACKBERRY	11.5
*1093	MESQUITE	18.5	1495	HACKBERRY	10
*1099	HACKBERRY	10	1498	HACKBERRY	17
*1104	MESQUITE	11	1497	MESQUITE	10.5
1108	HACKBERRY	10	*1498	HACKBERRY	14
*1111	MESQUITE	11	*3001	HACKBERRY	18.5
1130	HACKBERRY	10	3002	HACKBERRY	23
*1133	MESQUITE	18	3003	HACKBERRY	21.5
*1134	MESQUITE	12.5	3004	HACKBERRY	13.5
1135	HACKBERRY	12	3005	HACKBERRY	15
*1136	HACKBERRY	13	3006	HACKBERRY	15
1137	HACKBERRY	13.5	3015	HACKBERRY	16
*1138	HACKBERRY	17	3017	HACKBERRY	22
*1141	HACKBERRY	13	3018	HACKBERRY	19.5
*1142	HUISACHE	10	3035	HACKBERRY	10
*1143	MESQUITE	11	3036	HACKBERRY	15.5
*1144	MESQUITE	16	3037	HACKBERRY	11.5
*1145	HUISACHE	10	*3038	MESQUITE	12.5
*1325	HACKBERRY	13.5	3039	HACKBERRY	10
1326	HACKBERRY	15.5	*3045	HACKBERRY	22
1327	HACKBERRY	13	3046	HACKBERRY	10
1328	HACKBERRY	10.5	3047	HACKBERRY	11
1329	HACKBERRY	10	3048	HACKBERRY	10
1330	HACKBERRY	14	3049	HACKBERRY	18.5
1331	HACKBERRY	13	*3053	MESQUITE	17
1332	HACKBERRY	19	*3055	HACKBERRY	17.5
1333	HACKBERRY	11	3056	GUM BUMELIA	12.5
1334	HACKBERRY	12.5	3057	HACKBERRY	11.5
1335	HACKBERRY	15.5	*3059	MESQUITE	23.5
1336	HACKBERRY	13	*3060	HACKBERRY	15.5
1337	HACKBERRY	13.5	*3099	HACKBERRY	15
1338	HACKBERRY	17	3098	HACKBERRY	17.5
1339	HACKBERRY	17	*3105	HACKBERRY	12.5
1340	HACKBERRY	12	*3107	HACKBERRY	19
1341	HACKBERRY	16	*3111	PECAN	13.5
1342	HACKBERRY	10.5	*3113	HACKBERRY	24.5
1343	HACKBERRY	10	*3114	HACKBERRY	21
1344	HACKBERRY	10	*3115	HACKBERRY	24.5
*1367	LIVE OAK	18	*3116	HACKBERRY	17.5
LIVE OAK	22	*3117	HACKBERRY	11.5	
1369	LIVE OAK	23	*3118	HACKBERRY	21.5
1371	HACKBERRY	10	*3126	HACKBERRY	23
1372	HACKBERRY	10	*3156	PECAN	6
1373	LIVE OAK	18.5	*3161	LIVE OAK	21
*1377	LIVE OAK	15.5	*3165	HACKBERRY	13
*1378	PECAN	17.5	*3168	HACKBERRY	28.5
LIVE OAK	15	*3171	HACKBERRY	19.5	
1391	HACKBERRY	15	*3172	HACKBERRY	18.5
*1413	LIVE OAK	18	*3176	HACKBERRY	23
1416	LIVE OAK	14.5	3186	PECAN	19
1417	LIVE OAK	15	*3967	MESQUITE	11
1418	LIVE OAK	15	*3985	MESQUITE	14
1419	LIVE OAK	8	3989	HACKBERRY	11
*1420	LIVE OAK	9.5	3990	HACKBERRY	10.5
*1429	LIVE OAK	6	3991	HACKBERRY	13.5
1443	LIVE OAK	21.5	3992	HACKBERRY	18
*1444	LIVE OAK	13.5	3993	HACKBERRY	12
*1446	HACKBERRY	18	*5002	MESQUITE	17.5
			*5024	MESQUITE	16.5

SIGNIFICANT TREES TO BE SAVED (RESIDENTIAL)					
TAG#	SPECIES	SIZE (IN.)	TAG#	SPECIES	SIZE (IN.)
1101	HACKBERRY	23	3119	HACKBERRY	10
1102	HACKBERRY	10	3120	HACKBERRY	11
1103	HACKBERRY	10.5	3122	HACKBERRY	10.5
1105	HACKBERRY	12.5	3123	HACKBERRY	13.5
1139	HACKBERRY	10.5	3124	HACKBERRY	10.5
1140	HACKBERRY	11	3125	HACKBERRY	11.5
LIVE OAK	18.5	3127	HACKBERRY	11.5	
3061	HACKBERRY	10	3128	GUM BUMELIA	7.5
3062	HACKBERRY	21	3129	HACKBERRY	21
3063	HACKBERRY	15	3133	PECAN	17
3064	HACKBERRY	15	3134	PECAN	11.5
3065	HACKBERRY	11	3144	HACKBERRY	11.5
3066	HACKBERRY	10.5	3202	LIVE OAK	21.5
3090	HACKBERRY	12.5	3213	HACKBERRY	11
3097	HACKBERRY	11.5	3214	HACKBERRY	14.5
3098	HACKBERRY	12.5	3216	HACKBERRY	11
3103	HACKBERRY	16.5	3249	HACKBERRY	11
3103	HACKBERRY	15	3250	HACKBERRY	12.5
3106	HACKBERRY	10	3965	HACKBERRY	11
3110	HACKBERRY	10.5	3966	MESQUITE	10
3112	HACKBERRY	17	1439	LIVE OAK	22.5

