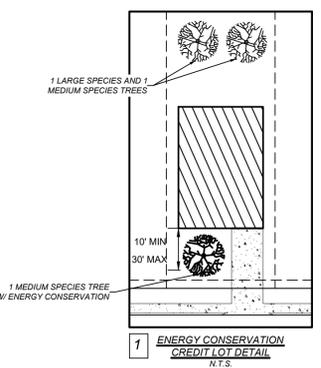
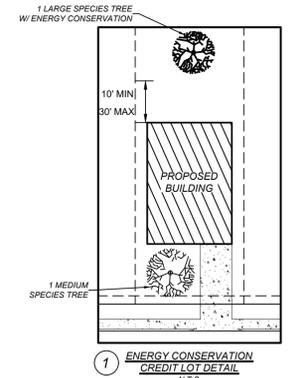


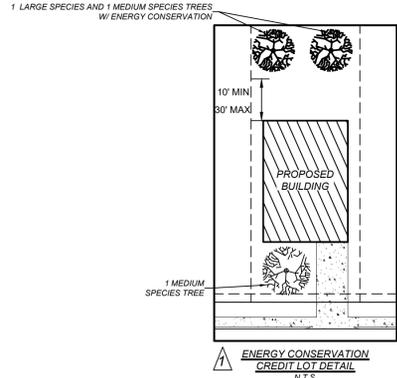
**KIEWIT**  
ENGINEERS + SURVEYING  
16251  
Phone #: (210) 878-8444 • Fax #: (210) 878-8441  
TBPE Firm #: 9513 • TBPE S Firm #: 1012300



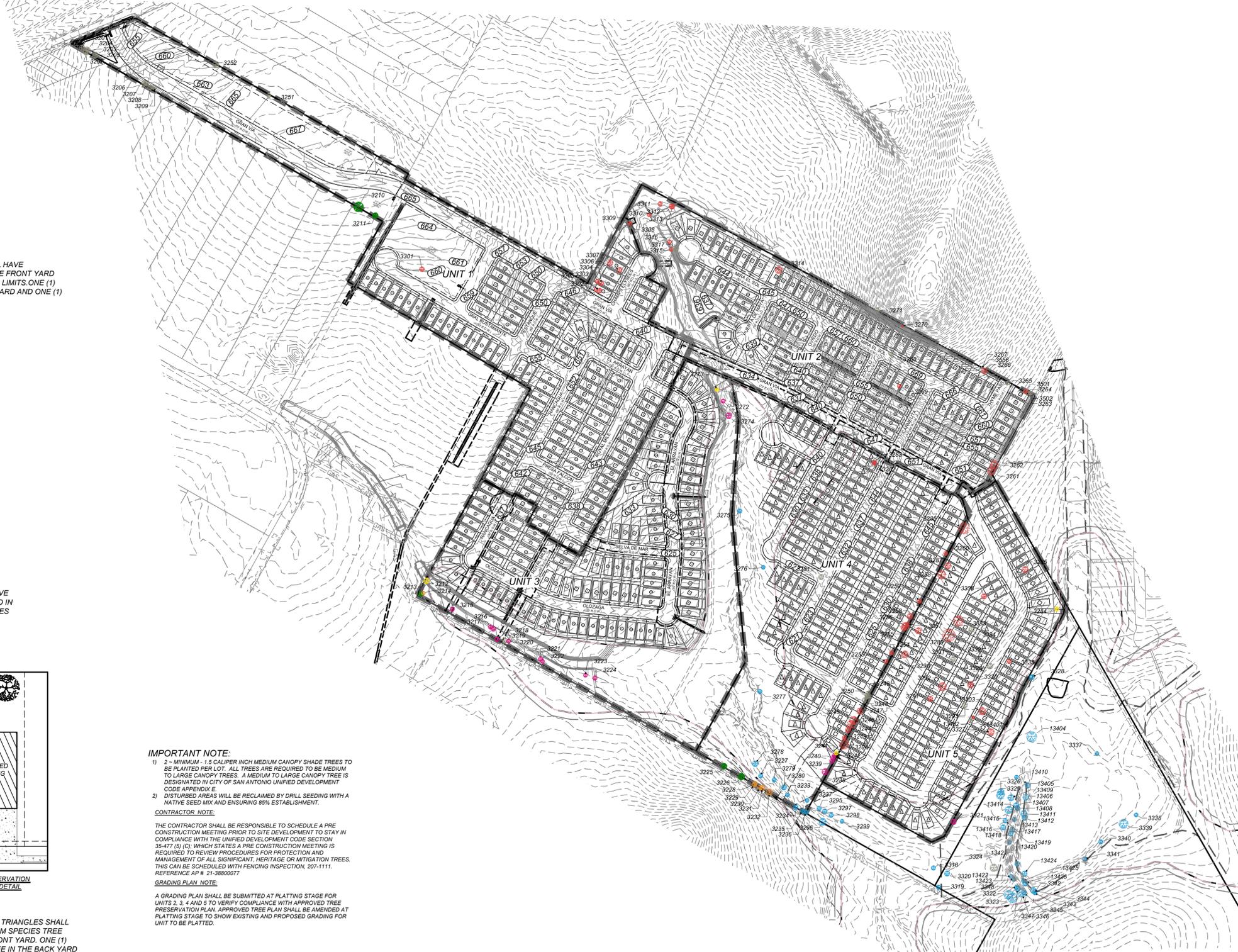
1 LOT NUMBERS WITH SQUARES SHALL HAVE ONE (1) MEDIUM SPECIES TREE IN THE FRONT YARD WITHIN THE ENERGY CONSERVATION LIMITS, ONE (1) LARGE SPECIES TREE IN THE BACK YARD AND ONE (1) ADDITIONAL MEDIUM SPECIES TREE.



1 LOT NUMBERS WITH CIRCLES SHALL HAVE ONE (1) MEDIUM SPECIES TREE PLANTED IN THE FRONT YARD, ONE (1) LARGE SPECIES TREE IN THE BACK YARD WITHIN THE ENERGY CONSERVATION LIMITS. SEE DETAIL THIS SHEET.



1 LOT NUMBERS WITH TRIANGLES SHALL HAVE ONE (1) MEDIUM SPECIES TREE PLANTED IN THE FRONT YARD, ONE (1) LARGE SPECIES TREE IN THE BACK YARD AND ONE (1) ADDITIONAL MEDIUM SPECIES TREE WITHIN THE ENERGY CONSERVATION LIMITS. SEE DETAIL THIS SHEET.



- LEGEND**
- REMOVED
  - PRESERVED
  - EXEMPT
  - PRESERVED - FEMA
  - REMOVED - RIPARIAN BUFFER
  - PRESERVED - RIPARIAN BUFFER
  - REMOVED - FEMA
  - PROJECT LIMITS
  - PROPOSED 100-YR FLOODPLAIN LIMITS
  - 30' RIPARIAN BUFFER

**IMPORTANT NOTE:**

- 2 - MINIMUM 1.5 CALIPER INCH MEDIUM CANOPY SHADE TREES TO BE PLANTED PER LOT. ALL TREES ARE REQUIRED TO BE MEDIUM TO LARGE CANOPY TREES. A MEDIUM TO LARGE CANOPY TREE IS DESIGNATED IN CITY OF SAN ANTONIO UNIFIED DEVELOPMENT CODE APPENDIX E.
- DISTURBED AREAS WILL BE RECLAIMED BY DRILL SEEDING WITH A NATIVE SEED MIX AND ENSURING 85% ESTABLISHMENT.

**CONTRACTOR NOTE:**

THE CONTRACTOR SHALL BE RESPONSIBLE TO SCHEDULE A PRE CONSTRUCTION MEETING PRIOR TO SITE DEVELOPMENT TO STAY IN COMPLIANCE WITH THE UNIFIED DEVELOPMENT CODE SECTION 35-477 (B) (C), WHICH STATES A PRE CONSTRUCTION MEETING IS REQUIRED TO REVIEW PROCEDURES FOR PROTECTION AND MANAGEMENT OF ALL SIGNIFICANT, HERITAGE OR MITIGATION TREES. THIS CAN BE SCHEDULED WITH FENCING INSPECTION, 307-1111, REFERENCE AP # 21-38800077.

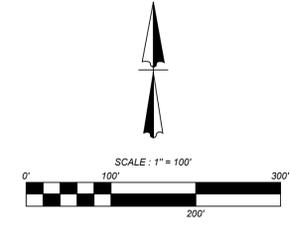
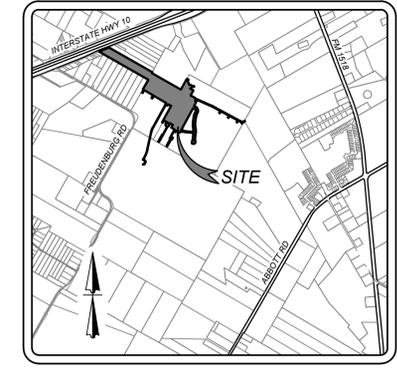
**GRADING PLAN NOTE:**

A GRADING PLAN SHALL BE SUBMITTED AT PLATTING STAGE FOR UNITS 2, 3, 4 AND 5 TO VERIFY COMPLIANCE WITH APPROVED TREE PRESERVATION PLAN. APPROVED TREE PLAN SHALL BE AMENDED AT PLATTING STAGE TO SHOW EXISTING AND PROPOSED GRADING FOR UNIT TO BE PLATTED.

**ELIZONDO SUBDIVISION**  
SAN ANTONIO, TEXAS  
**TREE PRESERVATION PLAN**

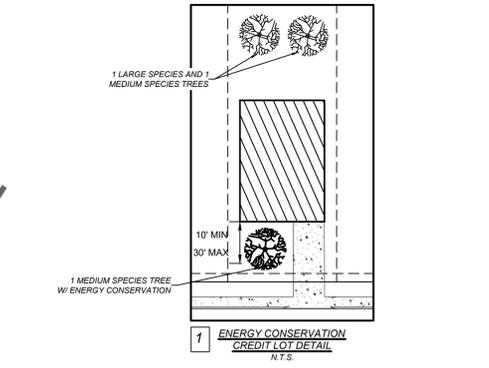
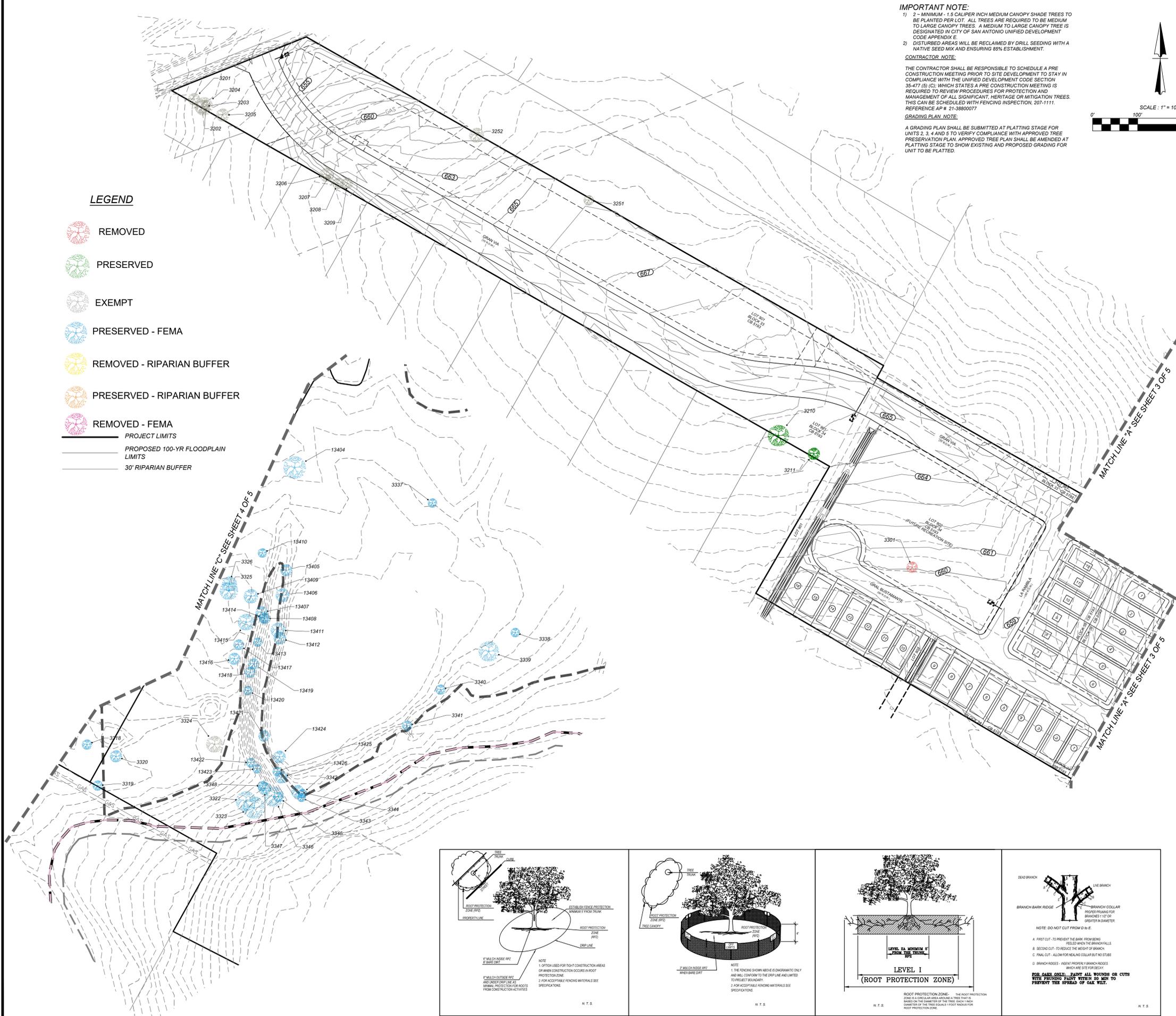
PLAT NO.  
20-11800598  
JOB NO.: 873-01-03  
DATE: JANUARY 2021  
DRAWN: JOC CHECKED: CG  
SHEET NUMBER:  
**1 OF 5**

Date: Feb. 28, 2022, 9:02am User ID: ardriguez  
File: L:\873 UN\Design\GMA\TREES\TPP8730103.dwg

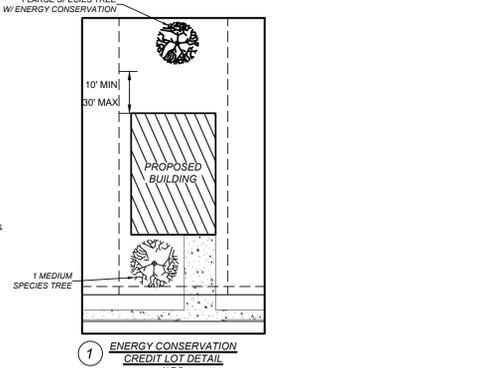


**IMPORTANT NOTE:**  
 1) 2 - MINIMUM 1.5 CALIPER INCH MEDIUM CANOPY SHADE TREES TO BE PLANTED PER LOT. ALL TREES ARE REQUIRED TO BE MEDIUM TO LARGE CANOPY TREES. A MEDIUM TO LARGE CANOPY TREE IS DESIGNATED IN CITY OF SAN ANTONIO UNIFIED DEVELOPMENT CODE APPENDIX E.  
 2) DISTURBED AREAS WILL BE RECLAIMED BY DRILL SEEDING WITH A NATIVE SEED MIX AND ENSURING 85% ESTABLISHMENT.  
**CONTRACTOR NOTE:**  
 THE CONTRACTOR SHALL BE RESPONSIBLE TO SCHEDULE A PRE CONSTRUCTION MEETING PRIOR TO SITE DEVELOPMENT TO STAY IN COMPLIANCE WITH THE UNIFIED DEVELOPMENT CODE SECTION 36-477 (5) (C), WHICH STATES A PRE CONSTRUCTION MEETING IS REQUIRED TO REVIEW PROCEDURES FOR PROTECTION AND MANAGEMENT OF ALL SIGNIFICANT, HERITAGE OR MITIGATION TREES. THIS CAN BE SCHEDULED WITH FENCING INSPECTION, 207-1111. REFERENCE AP # 21-38800077.  
**GRADING PLAN NOTE:**  
 A GRADING PLAN SHALL BE SUBMITTED AT PLATTING STAGE FOR UNITS 2, 3, 4 AND 5 TO VERIFY COMPLIANCE WITH APPROVED TREE PRESERVATION PLAN. APPROVED TREE PLAN SHALL BE AMENDED AT PLATTING STAGE TO SHOW EXISTING AND PROPOSED GRADING FOR UNIT TO BE PLATTED.

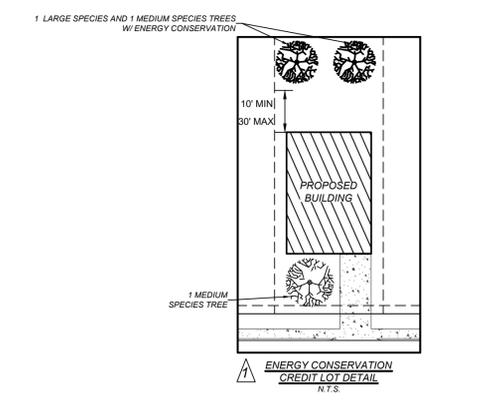
- LEGEND**
- REMOVED
  - PRESERVED
  - EXEMPT
  - PRESERVED - FEMA
  - REMOVED - RIPARIAN BUFFER
  - PRESERVED - RIPARIAN BUFFER
  - REMOVED - FEMA
  - PROJECT LIMITS**
  - PROPOSED 100-YR FLOODPLAIN LIMITS
  - 30' RIPARIAN BUFFER



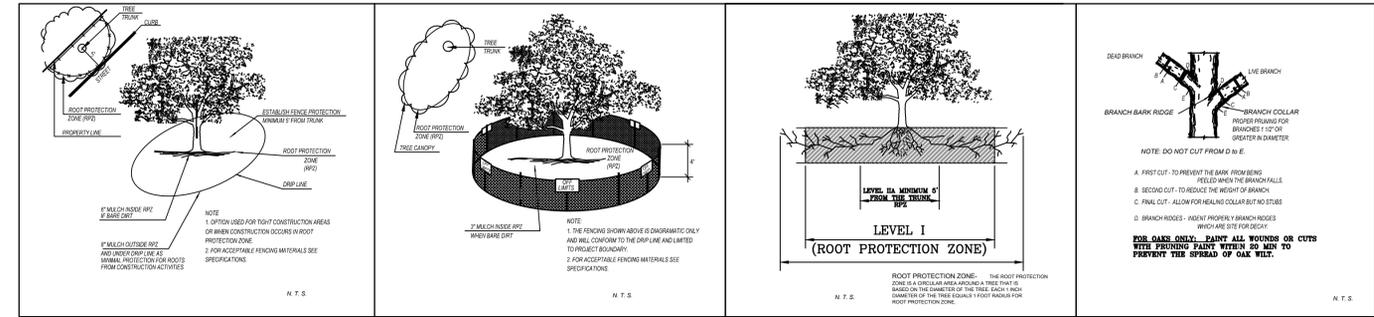
1 LOT NUMBERS WITH SQUARES SHALL HAVE ONE (1) MEDIUM SPECIES TREE IN THE FRONT YARD WITHIN THE ENERGY CONSERVATION LIMITS. ONE (1) LARGE SPECIES TREE IN THE BACK YARD AND ONE (1) ADDITIONAL MEDIUM SPECIES TREE.

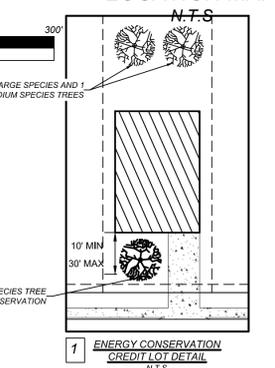
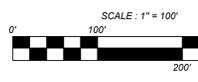
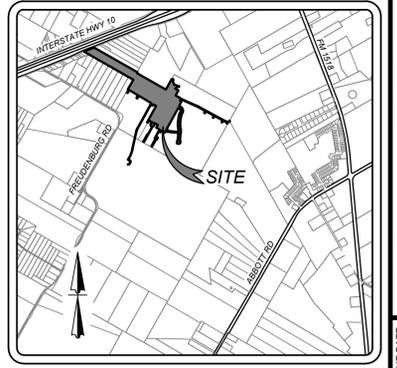


1 LOT NUMBERS WITH CIRCLES SHALL HAVE ONE (1) MEDIUM SPECIES TREE PLANTED IN THE FRONT YARD. ONE (1) LARGE SPECIES TREE IN THE BACK YARD WITHIN THE ENERGY CONSERVATION LIMITS. SEE DETAIL THIS SHEET.

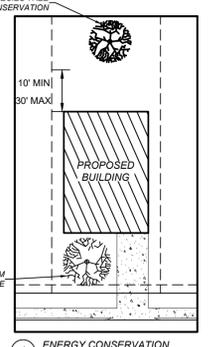


1 LOT NUMBERS WITH TRIANGLES SHALL HAVE ONE (1) MEDIUM SPECIES TREE PLANTED IN THE FRONT YARD. ONE (1) LARGE SPECIES TREE IN THE BACK YARD AND ONE (1) ADDITIONAL MEDIUM SPECIES TREE WITHIN THE ENERGY CONSERVATION LIMITS. SEE DETAIL THIS SHEET.

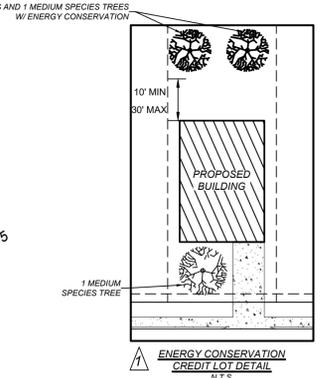




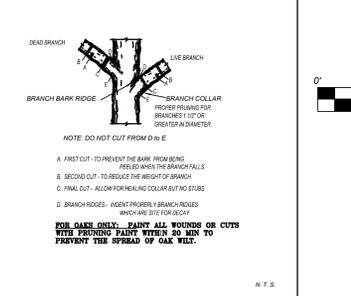
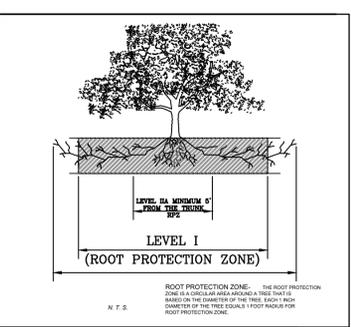
LOT NUMBERS WITH SQUARES SHALL HAVE ONE (1) MEDIUM SPECIES TREE IN THE FRONT YARD WITHIN THE ENERGY CONSERVATION LIMITS, ONE (1) LARGE SPECIES TREE IN THE BACK YARD AND ONE (1) ADDITIONAL MEDIUM SPECIES TREE.



LOT NUMBERS WITH CIRCLES SHALL HAVE ONE (1) MEDIUM SPECIES TREE PLANTED IN THE FRONT YARD, ONE (1) LARGE SPECIES TREE IN THE BACK YARD WITHIN THE ENERGY CONSERVATION LIMITS. SEE DETAIL THIS SHEET

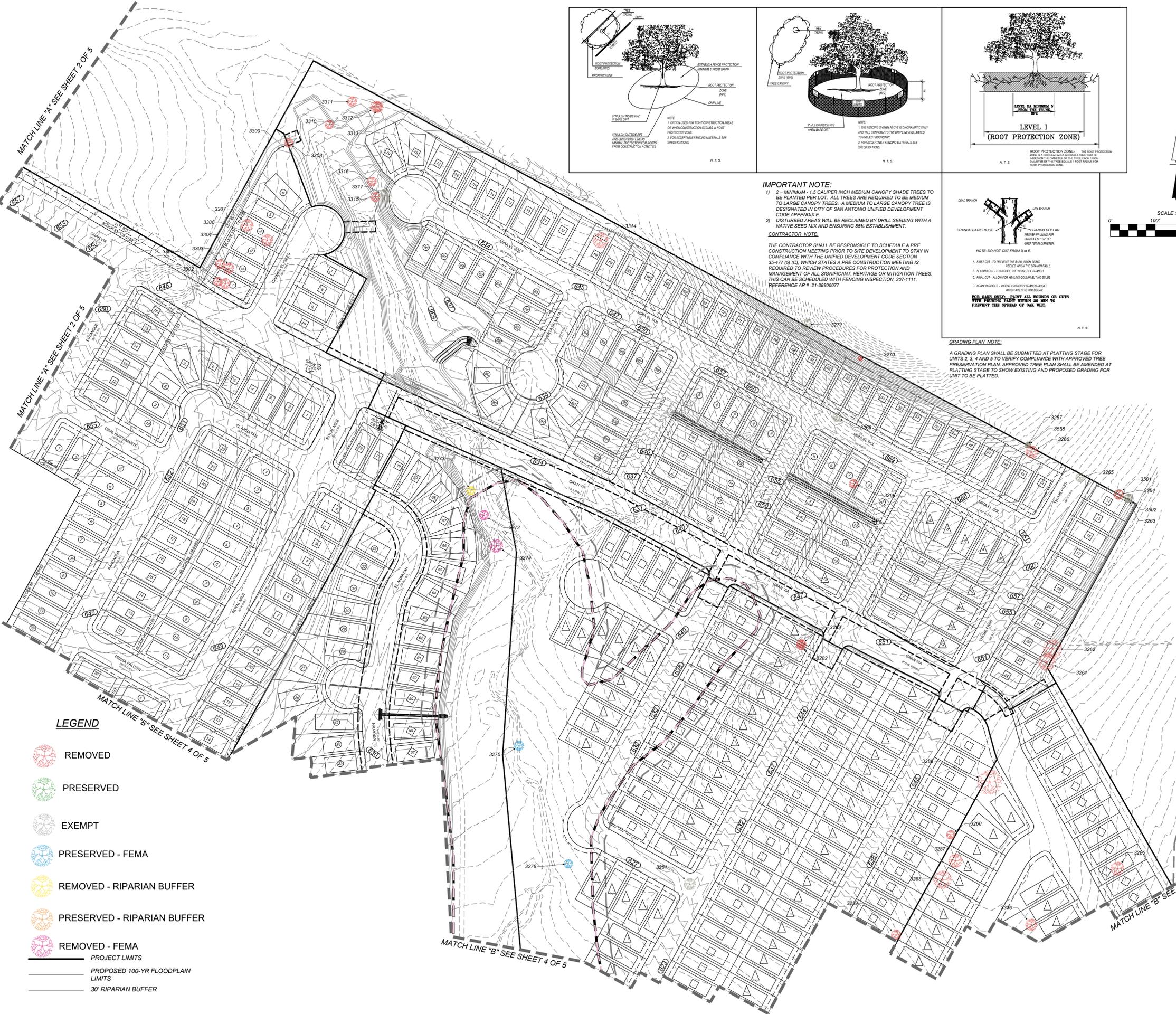
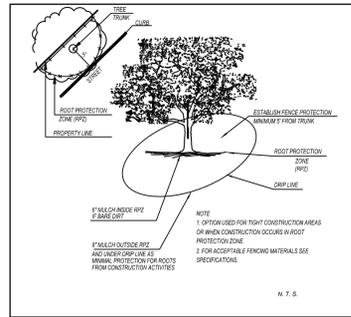


LOT NUMBERS WITH TRIANGLES SHALL HAVE ONE (1) MEDIUM SPECIES TREE PLANTED IN THE FRONT YARD, ONE (1) LARGE SPECIES TREE IN THE BACK YARD AND ONE (1) ADDITIONAL MEDIUM SPECIES TREE WITHIN THE ENERGY CONSERVATION LIMITS. SEE DETAIL THIS SHEET

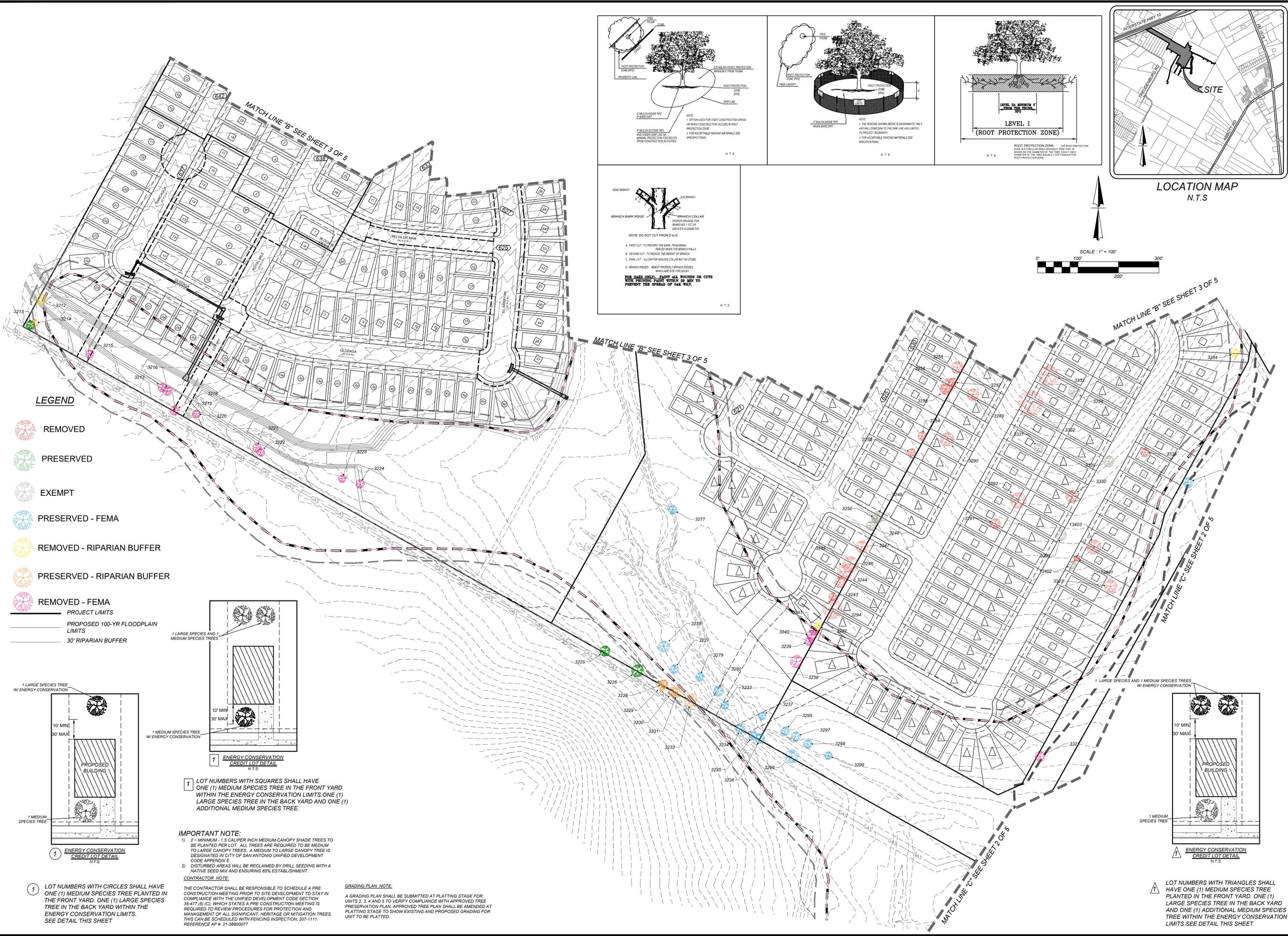


GRADING PLAN NOTE:  
 A GRADING PLAN SHALL BE SUBMITTED AT PLATTING STAGE FOR UNITS 2, 3, 4 AND 5 TO VERIFY COMPLIANCE WITH APPROVED TREE PRESERVATION PLAN. APPROVED TREE PLAN SHALL BE AMENDED AT PLATTING STAGE TO SHOW EXISTING AND PROPOSED GRADING FOR UNIT TO BE PLATTED.

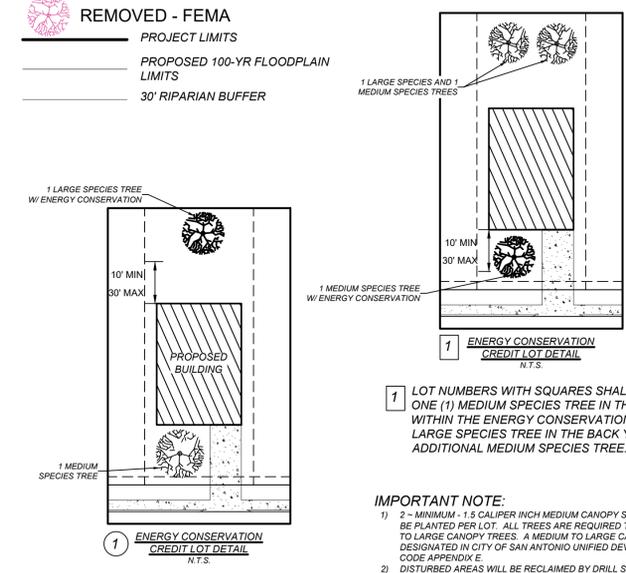
**IMPORTANT NOTE:**  
 1) 2" MINIMUM 4.5 CALIPER INCH MEDIUM CANOPY SHADE TREES TO BE PLANTED PER LOT. ALL TREES ARE REQUIRED TO BE MEDIUM TO LARGE CANOPY TREES. A MEDIUM TO LARGE CANOPY TREE IS DESIGNATED IN CITY OF SAN ANTONIO UNIFIED DEVELOPMENT CODE APPENDIX E.  
 2) DISTURBED AREAS WILL BE RECLAIMED BY DRILL, SEEDING WITH A NATIVE SEED MIX, AND ENSURING 85% ESTABLISHMENT.  
**CONTRACTOR NOTE:**  
 THE CONTRACTOR SHALL BE RESPONSIBLE TO SCHEDULE A PRE CONSTRUCTION MEETING PRIOR TO SITE DEVELOPMENT TO STAY IN COMPLIANCE WITH THE UNIFIED DEVELOPMENT CODE SECTION 35-477 (B) (C), WHICH STATES A PRE CONSTRUCTION MEETING IS REQUIRED TO REVIEW PROCEDURES FOR PROTECTION AND MANAGEMENT OF ALL SIGNIFICANT, HERITAGE OR MITIGATION TREES. THIS CAN BE SCHEDULED WITH FENCING INSPECTION, 207-1111. REFERENCE AP # 21-3880077



- LEGEND**
- REMOVED
  - PRESERVED
  - EXEMPT
  - PRESERVED - FEMA
  - REMOVED - RIPARIAN BUFFER
  - PRESERVED - RIPARIAN BUFFER
  - REMOVED - FEMA
  - PROJECT LIMITS
  - PROPOSED 100-YR FLOODPLAIN LIMITS
  - 30' RIPARIAN BUFFER



- LEGEND**
- REMOVED
  - PRESERVED
  - EXEMPT
  - PRESERVED - FEMA
  - REMOVED - RIPARIAN BUFFER
  - PRESERVED - RIPARIAN BUFFER
  - REMOVED - FEMA
  - PROJECT LIMITS
  - PROPOSED 100-YR FLOODPLAIN LIMITS
  - 30' RIPARIAN BUFFER



**1** LOT NUMBERS WITH SQUARES SHALL HAVE ONE (1) MEDIUM SPECIES TREE IN THE FRONT YARD WITHIN THE ENERGY CONSERVATION LIMITS, ONE (1) LARGE SPECIES TREE IN THE BACK YARD AND ONE (1) ADDITIONAL MEDIUM SPECIES TREE.

**IMPORTANT NOTE:**

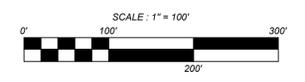
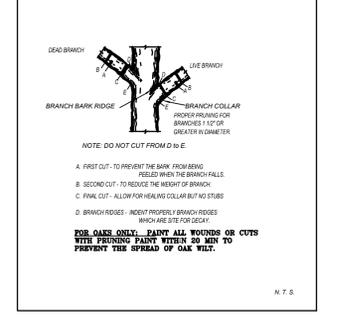
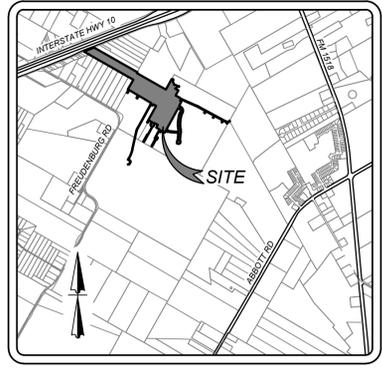
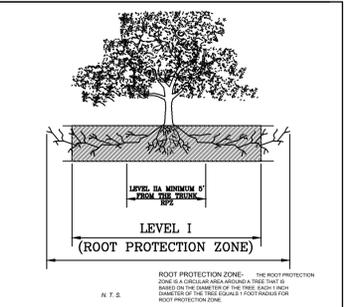
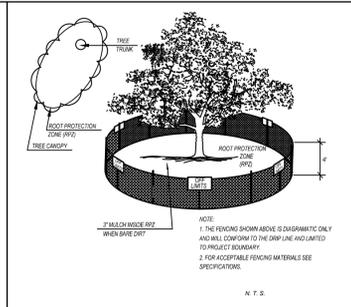
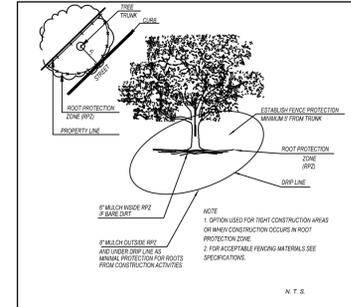
- 2 - MINIMUM - 1.5 CALIPER INCH MEDIUM CANOPY SHADE TREES TO BE PLANTED PER LOT. ALL TREES ARE REQUIRED TO BE MEDIUM TO LARGE CANOPY TREES. A MEDIUM TO LARGE CANOPY TREE IS DESIGNATED IN CITY OF SAN ANTONIO UNIFIED DEVELOPMENT CODE APPENDIX E.
- DISTURBED AREAS WILL BE RECLAIMED BY DRILL SEEDING WITH A NATIVE SEED MIX AND ENSURING 95% ESTABLISHMENT.

**CONTRACTOR NOTE:**

THE CONTRACTOR SHALL BE RESPONSIBLE TO SCHEDULE A PRE CONSTRUCTION MEETING PRIOR TO SITE DEVELOPMENT TO STAY IN COMPLIANCE WITH THE UNIFIED DEVELOPMENT CODE SECTION 35-477 (5) (C), WHICH STATES A PRE CONSTRUCTION MEETING IS REQUIRED TO REVIEW PROCEDURES FOR PROTECTION AND MANAGEMENT OF ALL SIGNIFICANT, HERITAGE OR MITIGATION TREES. THIS CAN BE SCHEDULED WITH FENCING INSPECTION, 207-1111. REFERENCE AP # 21-38800077

**GRADING PLAN NOTE:**

A GRADING PLAN SHALL BE SUBMITTED AT PLATTING STAGE FOR UNITS 2, 3, 4 AND 5 TO VERIFY COMPLIANCE WITH APPROVED TREE PRESERVATION PLAN. APPROVED TREE PLAN SHALL BE AMENDED AT PLATTING STAGE TO SHOW EXISTING AND PROPOSED GRADING FOR UNIT TO BE PLATTED.



SIGNIFICANT SPECIES (5.0" - 12.0") SMALL SPECIES INVENTORY TABLE				
POINT	SPECIES	PRESERVED	REMOVED	FINAL CANOPY (SQFT)
3270	PER 5		5	275
13401	PER 7.5X7		7.5	
<b>SUB TOTAL INCHES</b>		0	12.5	TOTAL PRESERVED CANOPY (SQFT)
<b>TOTAL INCHES BY CATEGORY</b>			12.5	
<b>PRESERVATION PERCENTAGE</b>			0%	
<b>MITIGATION REQUIRED</b>			4.38	275

SIGNIFICANT SPECIES (6.0" - 24.0") MEDIUM TO LARGE INVENTORY TABLE				
POINT	SPECIES	PRESERVED	REMOVED	FINAL CANOPY (SQFT)
3210	MSQ 23	23		550
3211	MSQ 13X13X12X6	13		550
3213	HK 11	11		875
3225	MSQ 13X13	13		550
3226	MSQ 15	15		550
3243	MSQ 10		10	
3244	MSQ 14X13X10		14	
3245	MSQ 19X9		19	
3246	MSQ 20X7		20	
3247	MSQ 15X10X9		15	
3253	MSQ 10X6		10	
3254	MSQ 11X11		11	
3255	MSQ 14		14	
3256	MSQ 18		18	
3257	MSQ 11X9		11	
3258	MSQ 15		15	
3259	MSQ 11		11	
3260	MSQ 10		10	
3261	MSQ 19		10	
3262	MSQ 21		21	
3264	MSQ 11X6		11	
3266	MSQ 14		14	
3269	MSQ 10X8X6X5X5		10	
3282	MSQ 11X9X8X6		11	
3283	MSQ 10X8		10	
3285	MSQ 15		15	
3287	MSQ 15X15		15	
3288	MSQ 20		20	
3289	MSQ 15		15	
3290	MSQ 17		17	
3291	MSQ 13X7		13	
3292	MSQ 20		20	
3301	MSQ 12X6X6		12	
3302	MSQ 10		10	
3303	MSQ 11		11	
3304	MSQ 12X11X10		12	
3305	MSQ 12X11X10X9		12	
3306	MSQ 13		13	
3307	MSQ 14X10		14	
3308	HK 10		10	
3310	MSQ 10X8		10	
3311	HUI 11X9		11	
3312	HK 13		13	
3313	HK 12		12	
3315	MSQ 10.5X7X6		10.5	
3316	MSQ 10.5		10.5	
3327	MSQ 16		16	
3330	MSQ 15X14X12		15	
3335	MSQ 11X9X8X7		11	
3336	MSQ 13		13	
13403	MSQ 18		18	
<b>SUB TOTAL INCHES</b>		75	614	TOTAL PRESERVED CANOPY (SQFT)
<b>TOTAL INCHES BY CATEGORY</b>			689	
<b>PRESERVATION PERCENTAGE</b>			11%	
<b>MITIGATION REQUIRED</b>			166.15	

HERITAGE SPECIES (24.0" & UP) INVENTORY TABLE (1:1)				
POINT	SPECIES	PRESERVED	REMOVED	FINAL CANOPY (SQFT)
3286	MSQ 27		27	
3294	MSQ 24		24	
3332	MSQ 31		31	
3333	MSQ 25X13		25	
<b>SUB TOTAL INCHES</b>		0	107	TOTAL PRESERVED CANOPY (SQFT)
<b>TOTAL INCHES BY CATEGORY</b>			107	
<b>PRESERVATION PERCENTAGE</b>			0%	
<b>MITIGATION REQUIRED (1:1)</b>			107	

FEMA SIGNIFICANT SPECIES (6.0"-24.0") MEDIUM TO LARGE INVENTORY TABLE				
POINT	SPECIES	PRESERVED	REMOVED	FINAL CANOPY (SQFT)
3215	MSQ 11X7		11	
3216	MSQ 12		12	
3217	MSQ 11X6X5		11	
3218	MSQ 12X9		12	
3220	HK 10		10	
3221	MSQ 11X7		11	
3222	MSQ 10X7X6		10	
3223	MSQ 10X7X6X6		10	
3224	MSQ 11X9X7		11	
3227	MSQ 11X9X9	11		550
3233	MSQ 10X8X5	10		550
3234	MSQ 12X10X6	12		550
3235	HK 11	11		875
3236	HK 12X6X6	12		875
3237	MSQ 10X7X5	10		550
3238	MSQ 16X12		16	
3239	MSQ 11X9X8		11	
3240	MSQ 13X9		12	
3241	MSQ 10		10	
3272	MSQ 11X11X10		11	
3274	MSQ 15		15	
3275	MSQ 11X8X7X6X6	11		550
3276	MSQ 10X6X6X4X4	10		550
3277	MSQ 11X8X6	11		550
3278	MSQ 14X14X11	14		550
3279	MSQ 11X7X6	11		550
3280	MSQ 13X9X7	13		550
3295	MSQ 11X7	11		550
3296	MSQ 17	17		550
3297	MSQ 12	12		550
3298	MSQ 11X10	11		550
3299	MSQ 10X8X5X5	10		550
3318	MSQ 11X7X5	11		550
3319	HK 11	11		875
3320	MSQ 13	13		550
3321	MSQ 13X12X8		13	
3322	MSQ 22	22		550
3325	MSQ 20X19	20		550
3326	MSQ 16	16		550
3328	MSQ 13X13	13		550
3337	MSQ 10X6X6X6X5X4X4	10		550
3338	MSQ 10X9	10		550
3339	MSQ 22	22		550
3340	MSQ 11X9	11		550
3341	MSQ 11X8X7X7X6	11		550
3342	MSQ 10X10	10		550
3343	ELM 9	9		875
3344	MSQ 14X11X10	14		550
3345	HK 11	11		875
3346	MSQ 22	22		550
3347	HK 14	14		875
13405	MSQ 13	13		550
13406	MSQ 15X12.5X8.5	15		550
13407	MSQ 13.2	13.2		550
13408	MSQ 12X6	12		550
13409	MSQ 15.5	15.5		550
13410	HK 10	10		875
13411	MSQ 16.5	16.5		550
13412	MSQ 13.5X7.5	13.5		550
13413	MSQ 10	10		550
13414	MSQ 11X6	11		550
13415	MSQ 18X7X6	18		550
13416	MSQ 13	13		550
13417	HK 11.5	11.5		875
13418	MSQ 12X9X7.5	12		550
13419	MSQ 12	12		550
13420	MSQ 10	10		550
13421	MSQ 12.3X10X9.5	12.3		550
13422	MSQ 10.5	10.5		550
13423	MSQ 10	10		550
13424	MSQ 13.4X11.2	13.4		550
13425	MSQ 10X8	10		550
13426		13.5		550
<b>SUB TOTAL INCHES</b>		722.9	186	TOTAL PRESERVED CANOPY (SQFT)
<b>TOTAL INCHES BY CATEGORY</b>			908.9	
<b>PRESERVATION PERCENTAGE</b>			80%	
<b>MITIGATION REQUIRED</b>			4.22	

FEMA HERITAGE SPECIES (24.0" & UP) INVENTORY TABLE (1:1)				
POINT	SPECIES	PRESERVED	REMOVED	FINAL CANOPY (SQFT)
3323	MSQ 24	24		550
13404	MSQ 24.5	24.5		550
<b>SUB TOTAL INCHES</b>		48.5	0	TOTAL PRESERVED CANOPY (SQFT)
<b>TOTAL INCHES BY CATEGORY</b>			48.5	
<b>PRESERVATION PERCENTAGE</b>			100%	
<b>MITIGATION REQUIRED</b>			0	

RIPARIAN BUFFER SIGNIFICANT SPECIES (6.0"-24.0") MEDIUM TO LARGE INVENTORY TABLE				
POINT	SPECIES	PRESERVED	REMOVED	FINAL CANOPY (SQFT)
3212	MSQ 14		14	
3214	MSQ 10			550
3228	MSQ 11	11		550
3229	MSQ 13	13		550
3230	MSQ 12X7	12		550
3231	MSQ 14	14		550
3232	MSQ 17X14	17		550
3242	MSQ 10X8X7		10	
3273	MSQ 10X8X7X7X6X5		10	
3284	MSQ 11X11		11	
<b>SUB TOTAL INCHES</b>		77	45	TOTAL PRESERVED CANOPY (SQFT)
<b>TOTAL INCHES BY CATEGORY</b>			122	
<b>PRESERVATION PERCENTAGE</b>			63%	
<b>MITIGATION REQUIRED</b>			20.60	3300

FINAL TREE CANOPY CALCULATIONS		
<b>PROJECT DATA</b>		
-PROJECT AREA (ACRES)	121.57	ACRES
-FINAL TREE CANOPY REQUIREMENT	38%	
<b>-FINAL TREE CANOPY AREA REQUIRED</b>	<b>2,012,324</b>	<b>SQFT</b>
<b>EXISTING TREES</b>		
<b>-EXISTING CANOPY</b>	<b>6,650</b>	<b>SQFT</b>
<b>PROPOSED TREE CANOPY MITIGATION PLAN</b>		
<b>NO. OF LOTS RECEIVING ENERGY CONSERVATION CREDITS (DESIGNATED BY ○)</b>	160	LOTS
-NO. OF LARGE SPECIES TREES PER LOT RECEIVING ENERGY CREDITS	1	TREES
-NO. OF MEDIUM SPECIES TREES PER LOT NOT RECEIVING ENERGY CREDITS	1	TREES
<b>TOTAL CANOPY PER LOT (1.5*1200)+(1*875)</b>	<b>2675.0</b>	<b>SQFT</b>
<b>TOTAL CANOPY CIRCLE DESIGNATED LOTS</b>	<b>428000.0</b>	<b>SQFT</b>
<b>NO. OF LOTS RECEIVING ENERGY CONSERVATION CREDITS (DESIGNATED BY ▲)</b>	146	LOTS
-NO. OF LARGE SPECIES TREES PER LOT RECEIVING ENERGY CREDITS	1	TREES
-NO. OF MEDIUM SPECIES TREES PER LOT RECEIVING ENERGY CREDITS	1	TREES
-NO. OF MEDIUM SPECIES TREES PER LOT NOT RECEIVING ENERGY CREDITS	1	TREES
<b>TOTAL CANOPY PER LOT (1.5*1200)+(1*875)+(1*875)</b>	<b>3987.5</b>	<b>SQFT</b>
<b>TOTAL CANOPY TRIANGLE DESIGNATED LOTS</b>	<b>582175.0</b>	<b>SQFT</b>
<b>NO. OF LOTS RECEIVING ENERGY CONSERVATION CREDITS (DESIGNATED BY □)</b>	304	LOTS
-NO. OF LARGE SPECIES TREES PER LOT NOT RECEIVING ENERGY CREDITS	1	TREES
-NO. OF MEDIUM SPECIES TREES PER LOT NOT RECEIVING ENERGY CREDITS	1	TREES
-NO. OF MEDIUM SPECIES TREES PER LOT RECEIVING ENERGY CREDITS	1	TREES
<b>TOTAL CANOPY PER LOT (1*1200)+(1*875)+(1.5*875)</b>	<b>3387.5</b>	<b>SQFT</b>
<b>TOTAL CANOPY SQUARE DESIGNATED LOTS</b>	<b>1029800.0</b>	<b>SQFT</b>
<b>PROPOSED STREETSCAPE TREES CANOPY</b>		
-NO. OF SMALL SPECIES TREES PLANTED FOR STREETSCAPE	25	TREES
<b>TOTAL CANOPY PER STREETSCAPE (27% SQFT/TREE)</b>	<b>6875.0</b>	<b>SQFT</b>
-NO. OF MEDIUM SPECIES TREES PLANTED FOR STREETSCAPE	21	TREES
<b>TOTAL CANOPY PER STREETSCAPE (650 SQFT/TREE)</b>	<b>11550.0</b>	<b>SQFT</b>
-NO. OF MEDIUM SPECIES TREES PLANTED FOR STREETSCAPE	85	TREES
<b>TOTAL CANOPY PER STREETSCAPE (875 SQFT/TREE)</b>	<b>74375.0</b>	<b>SQFT</b>
-NO. OF LARGE SPECIES TREES PLANTED FOR STREETSCAPE	80	TREES
<b>TOTAL CANOPY PER STREETSCAPE (1200 SQFT/TREE)</b>	<b>96000.0</b>	<b>SQFT</b>
<b>PROPOSED TOTAL CANOPY PER TREE CANOPY PLAN</b>	<b>2,228,775.0</b>	<b>SQFT</b>
<b>90% MATURE TOTAL CANOPY COVER</b>		
	<b>2,005,897.5</b>	<b>SQFT</b>
<b>FINAL TOTAL CANOPY PER PLAN &amp; EXISTING CANOPY (90% MATURE + EXISTING)</b>	<b>2,012,547.5</b>	<b>SQFT</b>
<b>TOTAL TREE CANOPY MITIGATION (NO ADDITIONAL CANOPY REQUIRED)</b>		
	<b>-223.60</b>	<b>SQFT</b>

TREE PRESERVATION CALCULATIONS		
<b>SIGNIFICANT SPECIES (5.0" - 12") RESIDENTIAL</b>		
PRESERVATION PERCENTAGE	0%	
MITIGATION REQUIRED	4.4	INCHES
<b>SIGNIFICANT SPECIES (6.0" - 24.0") RESIDENTIAL</b>		
PRESERVATION PERCENTAGE	11%	
MITIGATION REQUIRED	166.2	INCHES
<b>HERITAGE (24.0" &amp; UP) RESIDENTIAL</b>		
PRESERVATION PERCENTAGE	0%	
MITIGATION REQUIRED	107	INCHES
<b>FEMA SIGNIFICANT SPECIES (6.0" - 24.0") RESIDENTIAL</b>		
PRESERVATION PERCENTAGE	80%	
MITIGATION REQUIRED	4.2	INCHES
<b>FEMA HERITAGE SPECIES (24.0" &amp; UP) RESIDENTIAL</b>		
PRESERVATION PERCENTAGE	100%	
MITIGATION REQUIRED	0	INCHES
<b>RIPARIAN BUFFER SIGNIFICANT SPECIES (6.0" - 24.0") RESIDENTIAL</b>		
PRESERVATION PERCENTAGE	63%	
MITIGATION REQUIRED	20.6	INCHES
ADDITIONAL INCHES FROM THIRD TREE PLANTED IN LOTS (2 INCHES/TREE * 447 TREES = INCHES)	894	INCHES
<b>TOTAL MITIGATION REQUIRED</b>	<b>(591.655)</b>	<b>INCHES</b>

**TREE PROTECTION NOTES**

- A ROOT PROTECTION ZONE WILL BE ESTABLISHED AROUND EACH TREE OR ANY VEGETATION TO BE PRESERVED TO MEET THE LANDSCAPE OR TREE PRESERVATION ORDINANCES. THE ROOT PROTECTION ZONE SHALL BE AN AREA DEFINED BY THE RADIUS EXTENDING OUTWARD FROM THE TRUNK OF THE TREE A DISTANCE OF ONE (1) LINEAR FOOT FOR EACH INCH DIAMETER INCH AT BREAST HEIGHT (4.5) OF THE TREE. A 10-INCH DIAMETER TREE WILL HAVE A 10 FOOT RADIUS ROOT PROTECTION ZONE.
- NO WORK SHALL BEGIN WHERE TREE PROTECTION FENCING HAS NOT BEEN COMPLETED AND APPROVED. TREE PROTECTION FENCING SHALL BE INSTALLED, MAINTAINED AND REPAIRED BY THE CONTRACTOR DURING CONSTRUCTION. THE FENCING WILL BE A MINIMUM OF 4' HEIGHT.
- ALL ROOTS LARGER THAN ONE-INCH IN DIAMETER ARE TO BE CUT CLEANLY AND OAK WOUNDS PAINTED WITHIN 30 MINUTES.
- EXPOSED ROOTS SHALL BE COVERED AT THE END OF THE WORK DAY USING TECHNIQUES SUCH AS COVERING WITH SOIL, MULCH OR WET BURLAP.
- NO EQUIPMENT, VEHICLES OR MATERIALS SHALL BE OPERATED OR STORED WITHIN THE ROOT PROTECTION ZONE. NO CLEAN-OUT AREAS WILL BE CONSTRUCTED SO THAT THE MATERIAL WILL BE IN OR MIGRATE TO THE ROOT PROTECTION ZONE.
- NO GRADE CHANGE MORE THAN 3" IS ALLOWED WITHIN THE ROOT PROTECTION ZONE.
- ROOTS OR BRANCHES IN CONFLICT WITH CONSTRUCTION SHALL BE CUT CLEANLY ACCORDING TO PROPER PRUNING METHODS. ALL OAK WOUNDS SHALL BE PAINTED WITHIN 30 MINUTES TO PREVENT OAK WILT INFECTION.
- ANY TREE REMOVAL SHALL BE APPROVED BY THE CITY OF SAN ANTONIO.
- TREES WHICH ARE DAMAGED OR LOST DUE TO THE CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE MITIGATED.
- TREES MUST BE MAINTAINED IN GOOD HEALTH THROUGHOUT THE CONSTRUCTION PROCESS. MAINTENANCE MAY INCLUDE WATERING THE ROOT PROTECTION ZONE AND OR WASHING FOLIAGE.
- NO WIRES, NAILS OR OTHER MATERIALS MAY BE ATTACHED TO PROTECTED TREES.

**CONTRACTOR NOTE:**

THE CONTRACTOR SHALL BE RESPONSIBLE TO SCHEDULE A PRE CONSTRUCTION MEETING PRIOR TO SITE DEVELOPMENT TO STAY IN COMPLIANCE WITH THE UNIFIED DEVELOPMENT CODE SECTION 35-477 (B) (C), WHICH STATES A PRE CONSTRUCTION MEETING IS REQUIRED TO REVIEW PROCEDURES FOR PROTECTION AND MANAGEMENT OF ALL SIGNIFICANT, HERITAGE OR MITIGATION TREES. THIS CAN BE SCHEDULED WITH FENCING INSPECTION, 207-1111.

EXEMPT TREES INVENTORY TABLE			
POINT	SPECIES	EXEMPT	DESCRIPTION
3201	HK 13	13	INSIDE DRAINAGE EASEMENT
3204	MSQ 20	20	INSIDE DRAINAGE EASEMENT
3203	HK 15	15	INSIDE DRAINAGE EASEMENT
3205	HK 14X8	14	INSIDE DRAINAGE EASEMENT
3202	HK 10	10	INSIDE DRAINAGE EASEMENT
3252	HK 16X9	16	INSIDE UTILITY EASEMENT
3317	MSQ 15X12X10X10	15	INSIDE UTILITY EASEMENT
3271	MSQ 12X7	12	OUTSIDE SUBDIVISION BOUNDARY
3267	CND 6	6	OUTSIDE SUBDIVISION BOUNDARY
3556	CND 7	7	OUTSIDE SUBDIVISION BOUNDARY
3265	MSQ 10	10	ON PROPOSED STREET
3501	MSQ 11	11	OUTSIDE SUBDIVISION BOUND