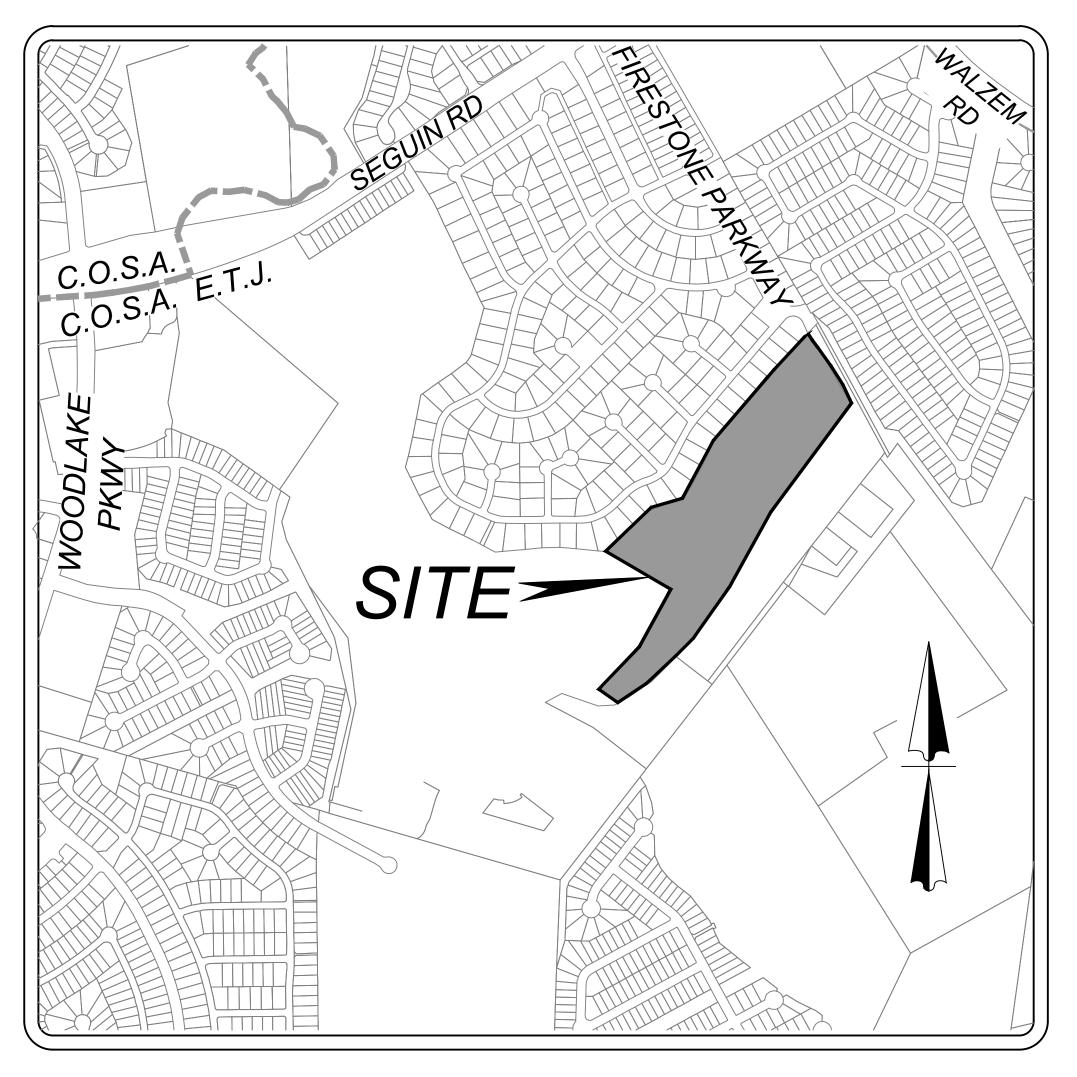
# WOODLAKE SUBDIVISION TREE PRESERVATION PLAN

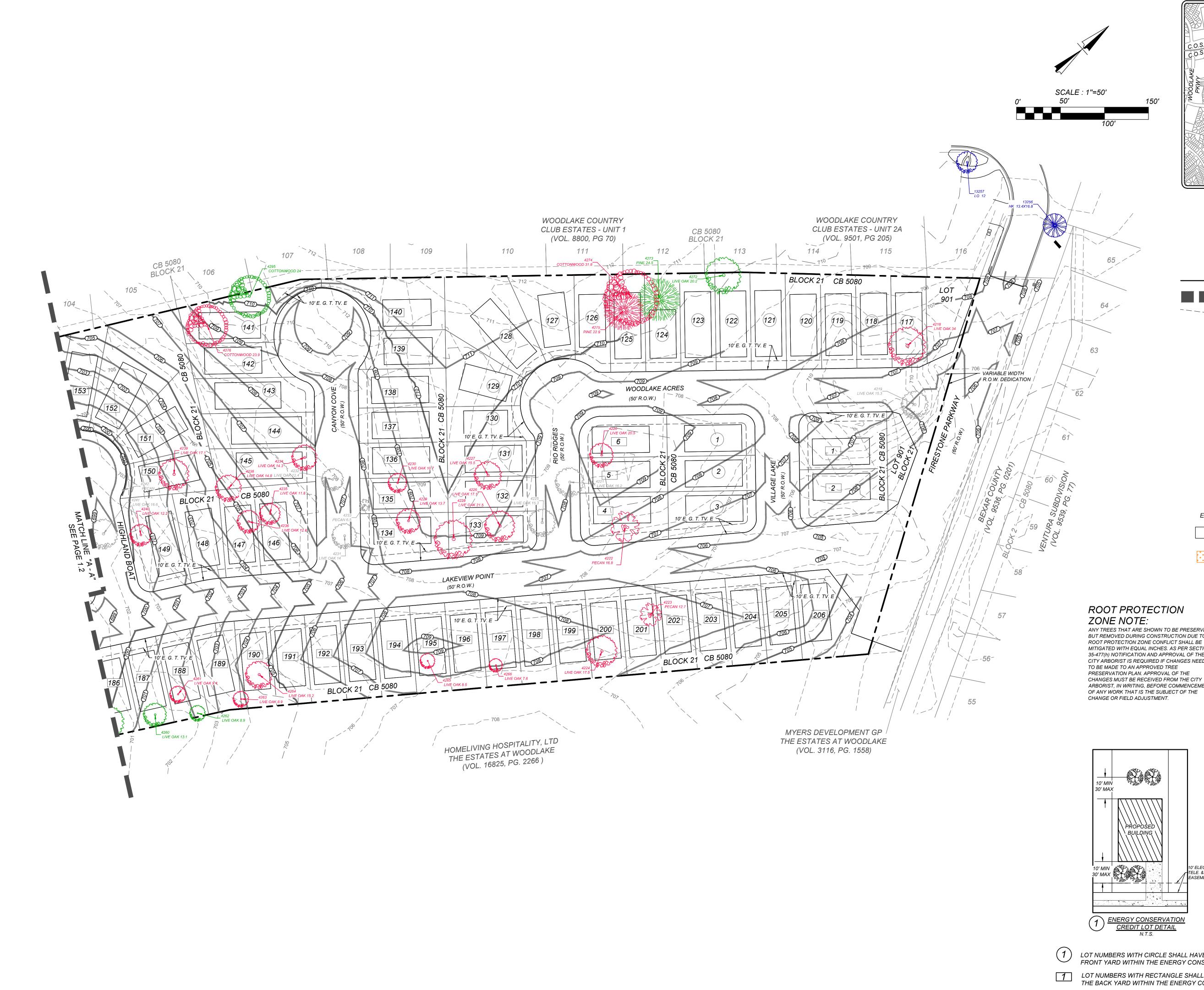
BEXAR COUNTY, TX

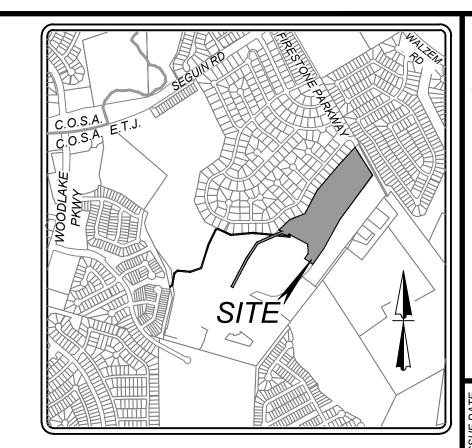


LOCATION MAP NOT-TO-SCALE

SHEET LIST TABLE	
SHEET TITLE	SHEET NO.
COVER SHEET	TPP 1.0
TREE PRESERVATION PLAN (SHEET 1 OF 4)	TPP 1.1
TREE PRESERVATION PLAN (SHEET 2 OF 4)	TPP 1.2
TREE PRESERVATION PLAN (SHEET 3 OF 4)	TPP 1.3
TREE PRESERVATION PLAN (SHEET 4 OF 4)	TPP 1.4







LOCATION MAP NOT-TO-SCALE

### LEGEND

## ---- PROJECT LIMITS

100 YEAR FLOODPLAIN BOUNDARY

TREES PRESERVED

PROTECTED/HERITAGE

EXISTING CONTOUR



PROTECTED/HERITAGE TREES REMOVED



PROTECTED TREES (NOT WITHIN PLATTED

LIMITS)



RIPARIAN BUFFER TREES REMOVED



EXEMPT TREES (WITHIN R.O.W., EASEMENTS, NON-PROTECTED OR DYING)



FLOODPLAIN TREES REMOVED

E.G.T.&TV.E.

ELECTRIC, GAS, TELEPHONE, CABLE T.V. EASEMENT

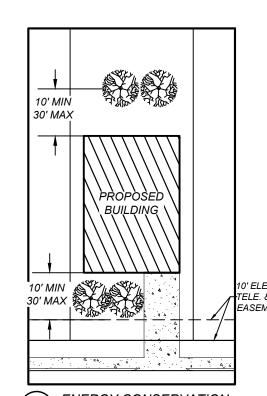
RIPARIAN BUFFER

LOT PAD

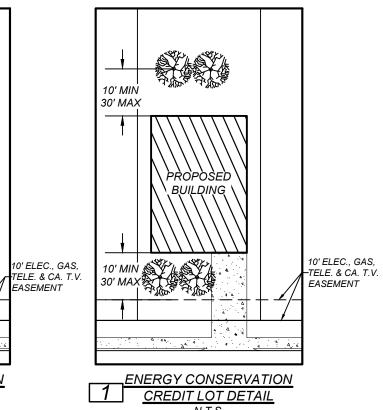
BUT REMOVED DURING CONSTRUCTION DUE TO ROOT PROTECTION ZONE CONFLICT SHALL BE MITIGATED WITH EQUAL INCHES. AS PER SECTION CITY ARBORIST IS REQUIRED IF CHANGES NEED TO BE MADE TO AN APPROVED TREE PRESERVATION PLAN. APPROVAL OF THE CHANGES MUST BE RECEIVED FROM THE CITY ARBORIST, IN WRITING, BEFORE COMMENCEMENT

#### IMPORTANT NOTE:

2 ~ MINIMUM - 1.5 INCH CALIPER MEDIUM TO ANY TREES THAT ARE SHOWN TO BE PRESERVED LARGE CANOPY SHADE TREES TO BE PLANTED PER LOT AS PER CITY OF SAN ANTONIO UNIFIED DEVELOPMENT CODE. FOR MITIGATION 35-477(h) NOTIFICATION AND APPROVAL OF THE PURPOSES THE TWO 1.5 INCH TREES WILL BE UPSIZED TO 2.5 INCH TREES. REFERENCE THE ENERGY CONSERVATION DETAIL FOR TREE LOCATION. FOR MITIGATION PURPOSES TWO ADDITIONAL, MINIMUM - 2.5 INCH CALIPER MEDIUM TO LARGE CANOPY SHADE TREE TO BE PLANTED IN ALL LOTS.



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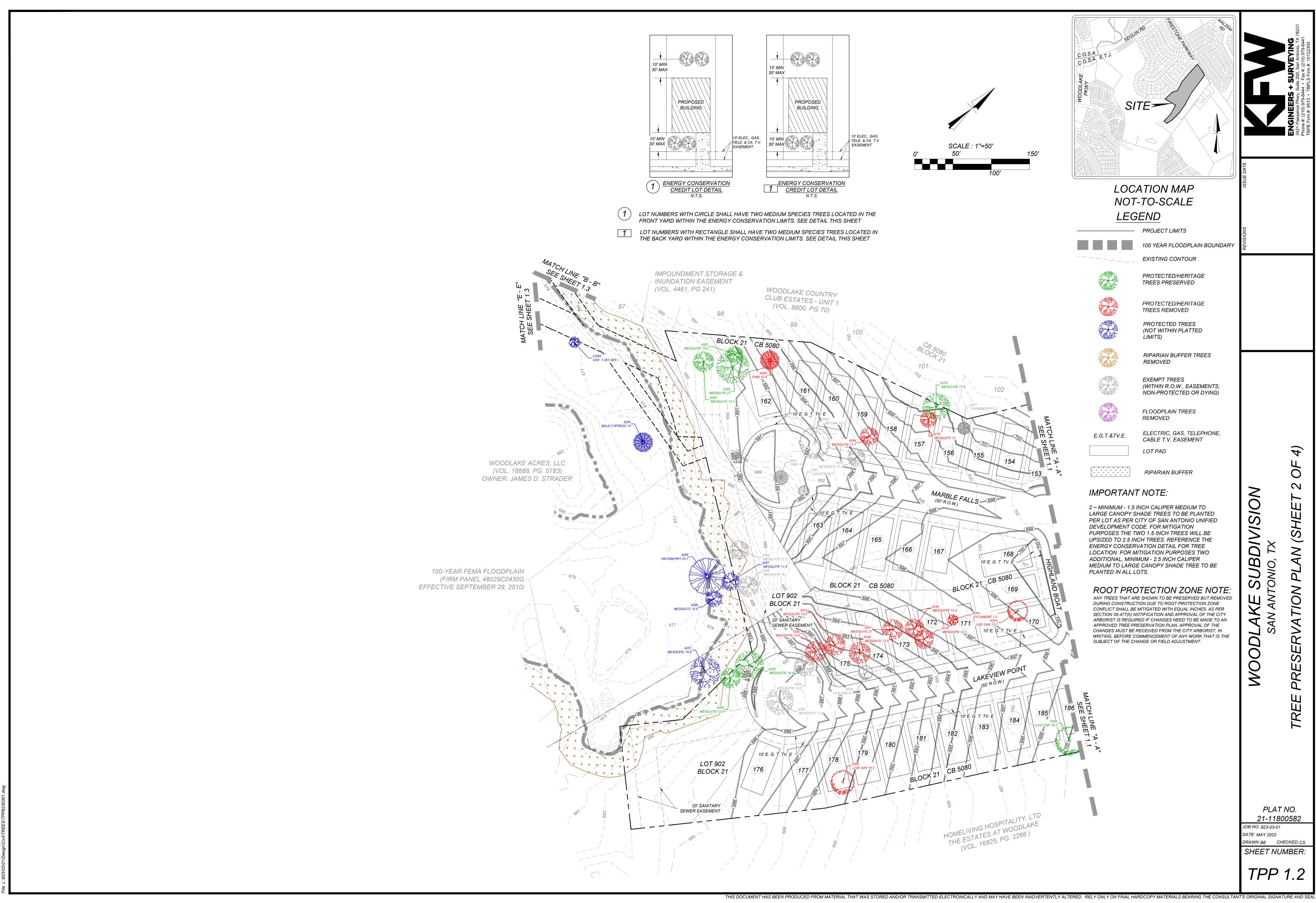


LOT NUMBERS WITH CIRCLE SHALL HAVE TWO MEDIUM SPECIES TREES LOCATED IN THE FRONT YARD WITHIN THE ENERGY CONSERVATION LIMITS. SEE DETAIL THIS SHEET

1 LOT NUMBERS WITH RECTANGLE SHALL HAVE TWO MEDIUM SPECIES TREES LOCATED IN THE BACK YARD WITHIN THE ENERGY CONSERVATION LIMITS. SEE DETAIL THIS SHEET

PLAT NO. 21-11800582 JOB NO.:823-03-01

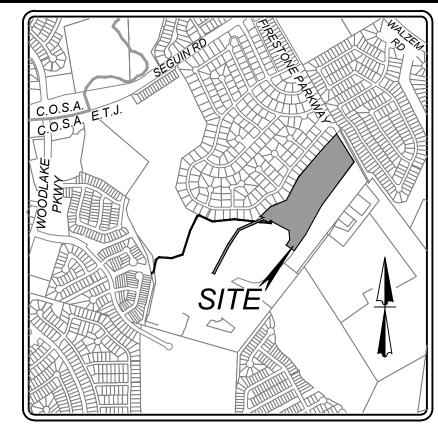
DATE: MAY 2022 DRAWN:BE CHECKED:CS SHEET NUMBER:



PLAT NO. 21-11800582

DRAWN: BE CHECKED: CS SHEET NUMBER:

*TPP 1.2* 



## LOCATION MAP NOT-TO-SCALE LEGEND

PROJECT LIMITS

EXISTING CONTOUR

100 YEAR FLOODPLAIN BOUNDARY



PROTECTED/HERITAGE TREES PRESERVED



PROTECTED/HERITAGE TREES REMOVED



(NOT WITHIN PLATTED

PROTECTED TREES



REMOVED

RIPARIAN BUFFER TREES

(WITHIN R.O.W., EASEMENTS, NON-PROTECTED OR DYING)



FLOODPLAIN TREES REMOVED

EXEMPT TREES



ELECTRIC, GAS, TELEPHONE, CABLE T.V. EASEMENT



LOT PAD

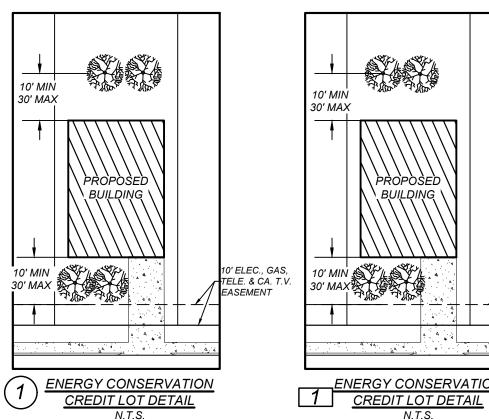
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ROOT PROTECTION ZONE NOTE. ANY TREES THAT ARE SHOWN TO BE PRESERVED BUT REMOVED DURING CONSTRUCTION DUE TO ROOT PROTECTION ZONE CONFLICT SHALL BE MITIGATED WITH EQUAL INCHES. AS PER SECTION 35-477(h) NOTIFICATION AND APPROVAL OF THE CITY ARBORIST IS REQUIRED IF CHANGES NEED TO BE MADE TO AN APPROVED TREE PRESERVATION PLAN. APPROVAL OF THE CHANGES MUST BE RECEIVED FROM THE CITY ARBORIST, IN WRITING, BEFORE COMMENCEMENT OF ANY WORK THAT IS THE SUBJECT OF THE CHANGE OR FIELD ADJUSTMENT.

∖ ∖ BUĮLDIŅG '

ENERGY CONSERVATION



LOT NUMBERS WITH CIRCLE SHALL HAVE TWO MEDIUM SPECIES TREES LOCATED IN THE FRONT YARD WITHIN THE ENERGY CONSERVATION LIMITS. SEE DETAIL THIS SHEET

1 LOT NUMBERS WITH RECTANGLE SHALL HAVE TWO MEDIUM SPECIES TREES LOCATED IN THE BACK YARD WITHIN THE ENERGY CONSERVATION LIMITS. SEE DETAIL THIS SHEET

PLAT NO. 21-11800582 JOB NO.:823-03-01

10' ELEC., GAS, TELE. & CA. T.V.

DATE: MAY 2022 DRAWN: BE CHECKED: CS SHEET NUMBER:

TAG#	SPECIES	REMOVED	PRESERVED	FINAL CANOP (SQFT)
	,	Woodlake Subdivision	on	1
4220	LO	20.5		
4223	PCN	12.7		
4224	LO	17.5		
4226	LO	17.1		
4227	LO	15.5		
4228	LO	21.5		
4230	LO	10.7		
4234	LO	14.3		
4235	LO	11.8		
4236	LO	12.8		
4238	LO		14.8	875
4238	LO	14.8		
4239	LO	17.1		
4240	LO	12.2		
4243	LO	13.1		
4244	SYC	7.3		
4258	LO	15.2		
4259	LO		18.2	875
4260	LO		13.1	875
4261	LO	9.4		
4262	LO		8.9	875
4263	LO	8.9		
4264	LO	15.2		
4265	LO	8.5		
4266	LO	7.6		
4272	LO		20.2	875
4280	PINE	12.8		
13263	ELM	20.4		
13264	ASH	7		
SUB. TO	T. INCHES	323.9	75.2	
тоти	TOTAL INCHES BY CATEGORY		399.1	TOTAL SQFT FINAL CANOP COVER
PRES	SERVATION PERCEN	NTAGE	19%	

	SIGNIFICAN	IT TREE (10" - 23.	5") INVENTORY TA	BLE
TAG#	SPECIES	REMOVED	PRESERVED	FINAL CANOPY (SQFT)
		Woodlake Sub	division	
4245	MSQ	12.3		
4247	MSQ	21		
4248	MSQ	13.9		
4251	MSQ	13.2		
4252	MSQ	13.6		
4255	MSQ		18.4	550
4256	MSQ		12.8	550
4278	MSQ		17.6	550
4279	MSQ	12		
4281	MSQ		10.5	550
4282	MSQ		21	550
4283	MSQ		13.1	550
4294	MSQ	11.7		
SUB. TOT	. INCHES	97.70	93.40	
TOTAL INCHES BY CATEGORY			191.10	TOTAL SQFT FINAL CANOPY COVER
PRESERVATION	PERCENTAGE		49%	
MITIGATION REC	UIRED (RESIDEN	ΓIAL)	(27.00)	3,300.00
			•	

EXEMPT INVENTORY TABLE			
TAG#	SPECIES	INCHES	
,	Woodlake Subdivision	on	
4221	LO	16.2	
4219	LO	15.3	
4222	PCN	16.8	
4225	LO	15.3	
4229	LO	13.7	
4231	LO	14	
4232	LO	12.4	
4233	CHINESE PISTACHE	6.5	
4234	LO	14.3	
4241	LO	16.6	
4242	PECAN		
4246	MSQ	12.4	
4249	LO	9.1	
4253	MSQ	13	
4254	MSQ	17.5	
4275	PINE	22.9	
4277	СВ	8.3	
4288	MSQ	16	
4289	MSQ	12.2	
4290	PINE	10	
4291	LIG	7	
4292	LO	19.7	
4293	MSQ	11.4	

	RIPA	RIAN BUFFER INV	ENTORY TABLE	
TAG#	SPECIES	REMOVED	PRESERVED	FINAL CANOPY (SQFT)
		Woodlake Sub	division	
13623	ELM	20.4		
13264	ASH	7		
SUB. TOT. INCH	ES	27.40	0.00	
TOTAL INCHES	BY CATEGORY		27.40	TOTAL SQFT FINAL CANOPY COVER
PRESERVATION	I PRECENTAGE		0%	
MITIGATION RE	QUIRED (RESIDEN	TIAL)	22.00	0.00
			•	•

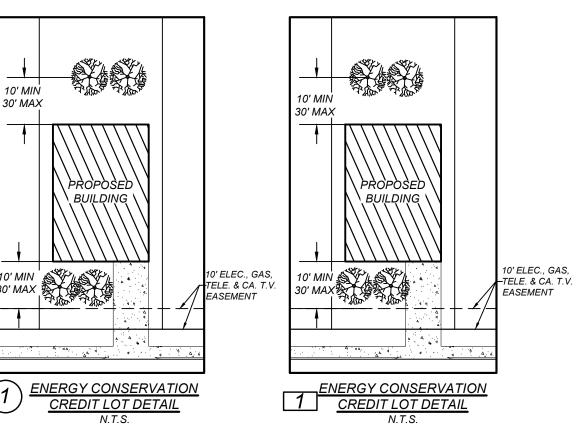
FLOODPLAIN INVENTORY TABLE				
TAG#	SPECIES	REMOVED	PRESERVED	FINAL CANOPY (SQFT)
		Woodlake Sub	division	
13258	НК	10.3		
13259	НК	15		
13266	MSQ	20.2		
13267	MSQ	12		
13268	НК	10.9		
13269	СОТ	9		
13270	НК	13.3		
13271	WILLOW	13.3		
13272	WILLOW	18		
SUB. TOT. INCHE	S	122.00	0.00	
TOTAL INCHES E	BY CATEGORY	•	122.00	TOTAL SQFT FINAL CANOPY COVER
PRESERVATION	PRECENTAGE		0%	
MITIGATION REC	UIRED (RESIDEN	TIAL)	98.00	0.00

	HERIT	AGE 3:1 INVENTORY	/ TABLE	
		Woodlake Subdivision	on	
TAG#	SPECIES	REMOVED	PRESERVED	FINAL CANOPY (SQFT)
4218	LIVE OAK	34		
4273	PINE		24.5	550
4274	СОТ	31.8		
4276	СОТ	23.9		
4295	СОТ		24	1200
13260	LO	26.1		
SUB. TOT. INCHES 115.80		48.50	TOTAL SQFT	
TOTAL INCHES BY CATEGORY		164.3	FINAL CANOPY	
HERITAGE PRESER	RVATION PERCENT	AGE	30%	COVER
HERITA	AGE MITIGATION (I	NCHES)	347.40	1750.00

Woodlake Subdivision - TREE PRESE	Woodlake Subdivision - TREE PRESERVATION CALCULATIONS				
SIGNIFICANT TREE (6" - 23.5")					
-PRESERVATION PERCENTAGE	19%				
-MITIGATION REQUIRED	64.00	INCHES			
SIGNIFICANT TREE (10" - 23.5")					
-PRESERVATION PERCENTAGE	49%				
-MITIGATION REQUIRED	(27.00)	INCHES			
HERITAGE (3:1)					
-PRESERVATION PERCENTAGE	30%				
-MITIGATION REQUIRED	347.40	INCHES			
RIPARIAN BUFFER					
-PRESERVATION PERCENTAGE	0%				
-MITIGATION REQUIRED	22.00	INCHES			
FLOODPLAIN					
-PRESERVATION PERCENTAGE	0%				
-MITIGATION REQUIRED	98.00	INCHES			
TOTAL INCHES MITIGATION REQUIRED	504.40	INCHES			

WOODLAKE SUBDIVISION - PROPO	SED MITIGATION	
-NO OF LOTS RECEIVING TREES	98	LOTS
-NO OF LOTS UPSIZING TO 2.5 INCH TREES	98	LOTS
-NO OF LOTS RECEIVING TREES 4 TREES/LOT	98	LOTS
-TOTAL INCHES PROVIDED (98 LOTS * 4 MEDIUM SPECIES * 2.5 INCH)	980.00	INCHES
-MINUS 1.5" PER TREE FOR COSA UDC REQUIREMENT (98 LOTS * 2 MEDIUM SPECIES * 1.5 INCH)	294.00	INCHES
-TOTAL INCHES PROVIDED FOR MITIGATION	686.00	INCHES
TOTAL INCHES MITIGATION REQUIRED	(181.60)	INCHES

WOODLAKE SUBDIVISION - TREE CANOPY CALCU	JLATIONS	
PROJECT DATA		
-PROJECT AREA (ACRES)	17.52	ACRES
-FINAL TREE CANOPY REQUIREMENT	38%	
-FINAL TREE CANOPY AREA REQUIRED	290,005.06	SQFT
EXISTING TREES		
-EXISTING CANOPY	9,425.00	SQFT
PROPOSED TREES		
-NO. OF LOTS RECEIVING ENERGY CREDIT	98	LOTS
-NO. OF LOTS RECEIVING 4 TREES/LOT	98	LOTS
- PROPOSED CANOPY (2 TREES * 98 LOTS * 875 SQ-FT * 1.5) + (2 TREES * 98 LOTS * 875 SQ-FT)	428,750.00	SQFT
-PROPOSED CANOPY COVER (90%)	385,875.00	SQFT
TOTAL FINAL CANOPY PROVIDED (EXISTING AND PROPOSED)	395,300.00	SQFT



1 LOT NUMBERS WITH CIRCLE SHALL HAVE TWO MEDIUM SPECIES TREES LOCATED IN THE FRONT YARD WITHIN THE ENERGY CONSERVATION LIMITS. SEE DETAIL THIS SHEET

LOT NUMBERS WITH RECTANGLE SHALL HAVE TWO MEDIUM SPECIES TREES LOCATED IN THE BACK YARD WITHIN THE ENERGY CONSERVATION LIMITS. SEE DETAIL THIS SHEET

## ROOT PROTECTION ZONE NOTE: ANY TREES THAT ARE SHOWN TO BE PRESERVED BUT REMOVED

ANY TREES THAT ARE SHOWN TO BE PRESERVED BUT REMOVED DURING CONSTRUCTION DUE TO ROOT PROTECTION ZONE CONFLICT SHALL BE MITIGATED WITH EQUAL INCHES. AS PER SECTION 35-477(h) NOTIFICATION AND APPROVAL OF THE CITY ARBORIST IS REQUIRED IF CHANGES NEED TO BE MADE TO AN APPROVED TREE PRESERVATION PLAN. APPROVAL OF THE CHANGES MUST BE RECEIVED FROM THE CITY ARBORIST, IN WRITING, BEFORE COMMENCEMENT OF ANY WORK THAT IS THE SUBJECT OF THE CHANGE OR FIELD ADJUSTMENT.

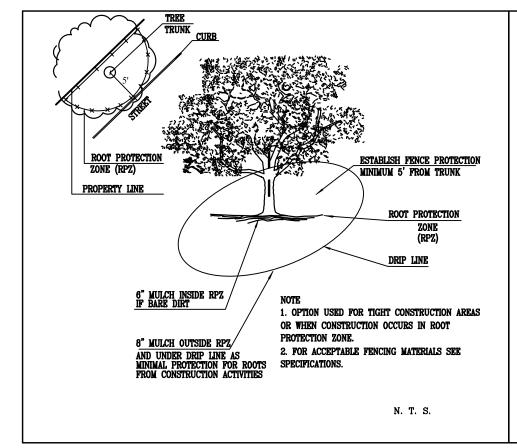
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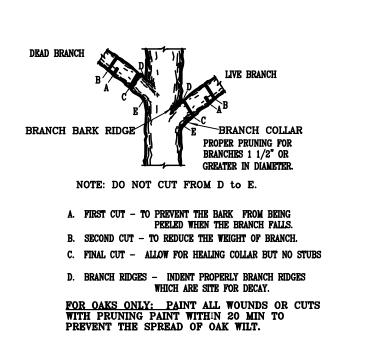
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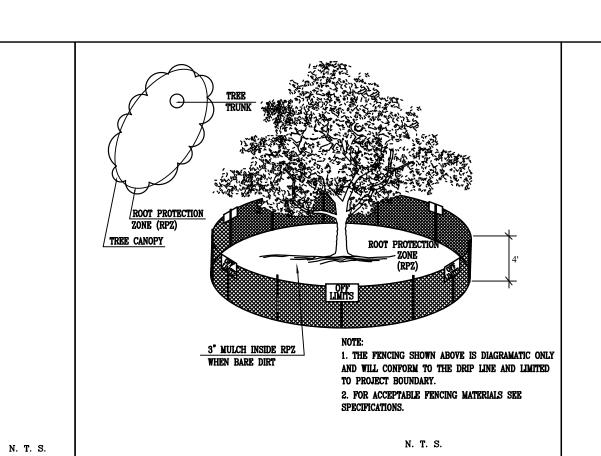
#### TREE PROTECTION NOTES

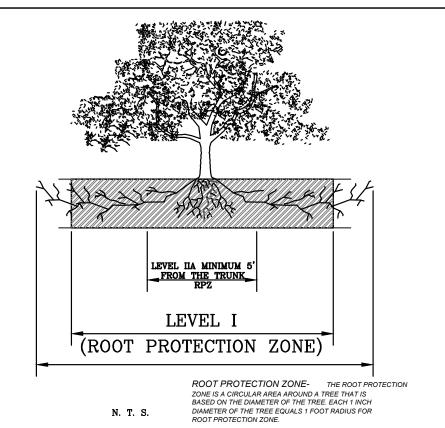
- 1. A ROOT PROTECTION ZONE WILL BE ESTABLISHED AROUND EACH TREE OR ANY VEGETATION TO BE PRESERVED TO MEET THE LANDSCAPE OR TREE PRESERVATION ORDINANCES. THE ROOT PROTECTION ZONE SHALL BE AN AREA DEFINED BY THE RADIUS EXTENDING OUTWARD FROM THE TRUNK OF THE TREE A DISTANCE OF ONE (1) LINEAR FOOT FOR 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.
- 2. 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.
- 3. ALL ROOTS LARGER THAN ONE-INCH IN DIAMETER ARE TO BE CUT CLEANLY AND OAK WOUNDS PAINTED WITHIN 30 MINUTES.
- 4. EXPOSED ROOTS SHALL BE COVERED AT THE END OF THE WORK DAY USING TECHNIQUES SUCH AS COVERING WITH SOIL, MULCH OR WET BURLAP.
- 5. 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.

- 6. NO GRADE CHANGE MORE THAN 3" IS ALLOWED WITHIN THE ROOT PROTECTION ZONE.
- 7. 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.
- 8. ANY TREE REMOVAL SHALL BE APPROVED BY THE CITY OF SAN ANTONIO.
- 9. TREES WHICH ARE DAMAGED OR LOST DUE TO THE CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE MITIGATED.
- 10. TREES MUST BE MAINTAINED IN GOOD HEALTH THROUGHOUT
  THE CONSTRUCTION PROCESS. MAINTENANCE MAY INCLUDE
  WATERING THE ROOT PROTECTION ZONE AND OR WASHING
  FOLIAGE
- 11. NO WIRES, NAILS OR OTHER MATERIALS MAY BE ATTACHED TO PROTECTED TREES.









PLAT NO.
21-11800582

JOB NO.:823-03-01

DATE: MAY 2022

DRAWN:BE CHECKED:CS

SHEET NUMBER:

1PP 1.4

Date: Jan 24, 2023, 4:25pm User ID: ecorona File : 1 - 1823(1910) Design (Civil) TREES (TDD 823031 duin

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