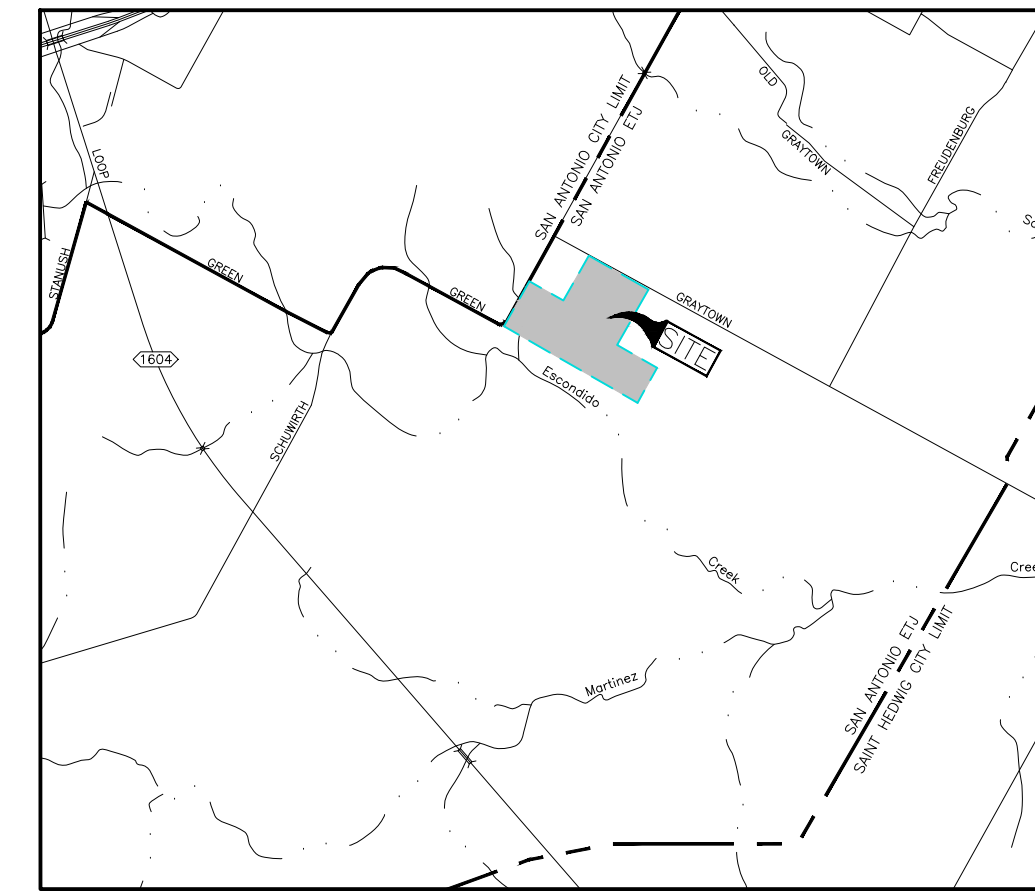
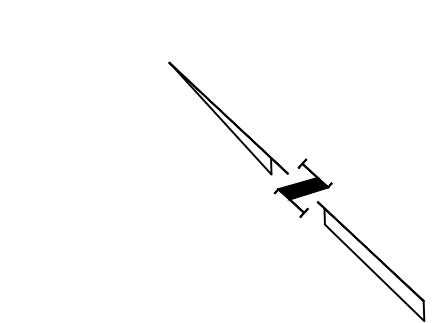


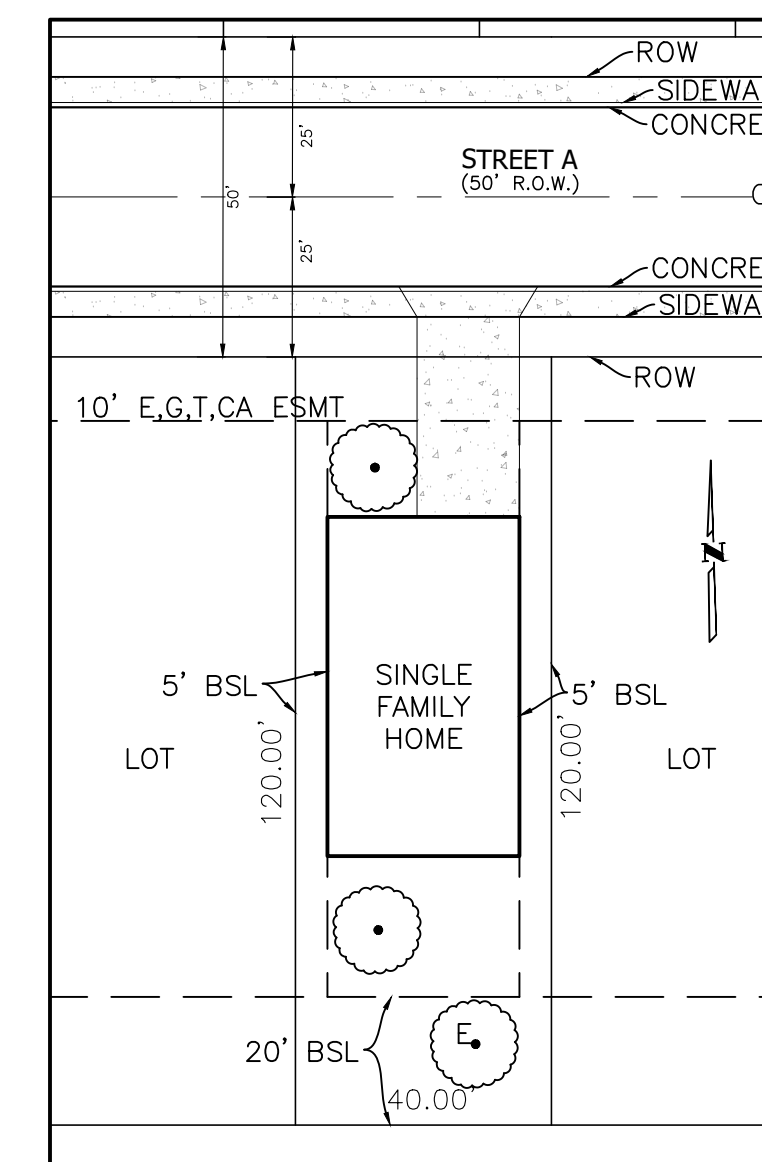


NOT TO SCALE



LEGEND

-  TREES TO BE PLANTED (REF. COSA UDC
APPENDIX E)
-  EXISTING TREES TO REMAIN
-  EXISTING TREES TO BE REMOVED
-  EXISTING TREE EXEMPT DUE TO BEING
LOCATED IN R.O.W. OR EASEMENT
-  EXISTING ROW TREE TO BE REMOVED
- - - - -102- - - - - EXISTING GRADE ELEVATIONS
-  PROPOSED GRADE ELEVATIONS



TYPICAL LOT LAYOUT
SCALE 1:30

"E" = DENOTES ENERGY CREDIT
TREE WHICH SHALL BE PLANTED ON
SOUTH OR WEST SIDE OF DWELLING

TRF TAG	SPECIES	TOTAL INCHES	CATEGORY	STATUS	TRF TAG #	SPECIES	TOTAL INCHES	CATEGORY	STATUS	TRF TAG #	SPECIES	TOTAL INCHES	CATEGORY	STATUS
EFFECTIVE 100-YEAR FLOOD FLOORPLAN														
0002	HACKBERRY	17.00	NON-SIGNIFICANT TREE	TO REMAIN	4001	HACKBERRY	11.00	NON-SIGNIFICANT TREE	TO BE REMOVED	4069	HACKBERRY	10.00	NON-SIGNIFICANT TREE	TO BE REMOVED
0003	HACKBERRY	12.00	NON-SIGNIFICANT TREE	TO REMAIN	4002	WILLOW	15.00	NON-SIGNIFICANT TREE	TO BE REMOVED	4070	HACKBERRY	10.00	NON-SIGNIFICANT TREE	TO BE REMOVED
0004	MESQUITE	10.00	NON-SIGNIFICANT TREE	TO REMAIN	4003	HACKBERRY	10.00	NON-SIGNIFICANT TREE	TO REMAIN	4071	HACKBERRY	10.00	NON-SIGNIFICANT TREE	TO BE REMOVED
0005	MESQUITE	10.00	NON-SIGNIFICANT TREE	TO REMAIN	4004	MESQUITE	32.00	NON-SIGNIFICANT TREE	TO BE REMOVED	4072	MESQUITE	14.00	NON-SIGNIFICANT TREE	TO BE REMOVED
ON-SITE TREE SURVEY														
0006	MESQUITE	10.00	NON-SIGNIFICANT TREE	TO REMAIN	4005	HACKBERRY	10.00	NON-SIGNIFICANT TREE	TO REMAIN	4073	MESQUITE	14.00	NON-SIGNIFICANT TREE	TO BE REMOVED
0007	HACKBERRY	10.00	NON-SIGNIFICANT TREE	TO REMAIN	4006	HACKBERRY	10.00	NON-SIGNIFICANT TREE	TO REMAIN	4074	HACKBERRY	10.00	NON-SIGNIFICANT TREE	TO BE REMOVED
0008	MESQUITE	17.00	NON-SIGNIFICANT TREE	TO REMAIN	4007	HACKBERRY	10.00	NON-SIGNIFICANT TREE	TO REMAIN	4075	MESQUITE	28.00	HERITAGE TREE (1-3)	TO BE REMOVED
0009	HACKBERRY	10.00	NON-SIGNIFICANT TREE	NOT ON PROPERTY	4008	HACKBERRY	15.00	NON-SIGNIFICANT TREE	TO REMAIN	4076	ASH JUMPER	12.00	NON-SIGNIFICANT TREE	TO BE REMOVED
ON-SITE TREE SURVEY														
0010	ASH JUMPER	10.00	NON-SIGNIFICANT TREE	TO BE REMOVED	4009	HACKBERRY	10.00	NON-SIGNIFICANT TREE	TO REMAIN	4077	HACKBERRY	10.00	NON-SIGNIFICANT TREE	TO BE REMOVED
0011	COTTONWOOD	14.00	NON-SIGNIFICANT TREE	TO BE REMOVED	4010	HACKBERRY	10.00	NON-SIGNIFICANT TREE	TO REMAIN	4078	MESQUITE	14.00	NON-SIGNIFICANT TREE	TO BE REMOVED
0012	COTTONWOOD	14.00	NON-SIGNIFICANT TREE	TO BE REMOVED	4011	HACKBERRY	14.00	NON-SIGNIFICANT TREE	NOT ON PROPERTY	4079	HACKBERRY	10.00	NON-SIGNIFICANT TREE	TO BE REMOVED
0013	COTTONWOOD	14.00	NON-SIGNIFICANT TREE	TO BE REMOVED	4012	HACKBERRY	14.00	NON-SIGNIFICANT TREE	NOT ON PROPERTY	4080	MESQUITE	14.00	NON-SIGNIFICANT TREE	TO BE REMOVED
0014	COTTONWOOD	14.00	NON-SIGNIFICANT TREE	TO BE REMOVED	4013	HACKBERRY	14.00	NON-SIGNIFICANT TREE	NOT ON PROPERTY	4081	MESQUITE	14.00	NON-SIGNIFICANT TREE	TO BE REMOVED
0015	COTTONWOOD	14.00	NON-SIGNIFICANT TREE	TO BE REMOVED	4014	MESQUITE	15.00	NON-SIGNIFICANT TREE	NOT ON PROPERTY	4082	MESQUITE	10.00	NON-SIGNIFICANT TREE	EASEMENT
0016	MESQUITE	10.00	NON-SIGNIFICANT TREE	TO REMAIN	4015	MESQUITE	10.00	NON-SIGNIFICANT TREE	NOT ON PROPERTY	4083	MESQUITE	28.00	HERITAGE TREE (1-3)	TO BE REMOVED
0017	MESQUITE	10.00	NON-SIGNIFICANT TREE	TO REMAIN	4016	MESQUITE	10.00	NON-SIGNIFICANT TREE	NOT ON PROPERTY	4084	MESQUITE	24.00	HERITAGE TREE (1-3)	STREET RIGHT OF WAY
0018	HACKBERRY	11.00	NON-SIGNIFICANT TREE	TO BE REMOVED	4017	MESQUITE	10.00	NON-SIGNIFICANT TREE	NOT ON PROPERTY	4085	MESQUITE	24.00	HERITAGE TREE (1-3)	STREET RIGHT OF WAY
0019	HACKBERRY	10.00	NON-SIGNIFICANT TREE	TO BE REMOVED	4018	HACKBERRY	10.00	NON-SIGNIFICANT TREE	NOT ON PROPERTY	4086	MESQUITE	17.00	NON-SIGNIFICANT TREE	TO BE REMOVED
0020	HACKBERRY	10.00	NON-SIGNIFICANT TREE	TO BE REMOVED	4019	HACKBERRY	10.00	NON-SIGNIFICANT TREE	TO REMAIN	4087	MESQUITE	17.00	NON-SIGNIFICANT TREE	TO BE REMOVED
0021	MESQUITE	10.00	NON-SIGNIFICANT TREE	TO BE REMOVED	4020	HACKBERRY	10.00	NON-SIGNIFICANT TREE	TO REMAIN	4088	HACKBERRY	10.00	NON-SIGNIFICANT TREE	STREET RIGHT OF WAY
0022	MESQUITE	10.00	NON-SIGNIFICANT TREE	TO BE REMOVED	4021	HACKBERRY	10.00	NON-SIGNIFICANT TREE	TO REMAIN	4089	HACKBERRY	10.00	NON-SIGNIFICANT TREE	STREET RIGHT OF WAY
0023	MESQUITE	10.00	NON-SIGNIFICANT TREE	TO BE REMOVED	4022	HACKBERRY	10.00	NON-SIGNIFICANT TREE	TO REMAIN	4090	HACKBERRY	10.00	NON-SIGNIFICANT TREE	STREET RIGHT OF WAY
0024	MESQUITE	10.00	NON-SIGNIFICANT TREE	TO BE REMOVED	4023	HACKBERRY	10.00	NON-SIGNIFICANT TREE	TO REMAIN	4091	MESQUITE	26.00	HERITAGE TREE (1-3)	TO BE REMOVED
0025	MESQUITE	10.00	NON-SIGNIFICANT TREE	TO BE REMOVED	4024	HACKBERRY	10.00	NON-SIGNIFICANT TREE	TO REMAIN	4092	MESQUITE	26.00		

**TREE FENCING INSPECTION
REQUIRED BEFORE SITE WORK
CALL 207-1111 TO SCHEDULE**

- (1) TREES SHALL COMPLY WITH APPENDIX E OF THE CITY OF SAN ANTONIO UDC. (EX. BURR/RED OAK). NO MORE THAN 25% OF THE REPLACEMENT TREES SHALL BE OF THE SAME SPECIES FOR THE PURPOSE OF MITIGATION.
- (2) ALL RESIDENTIAL LOTS SHALL PLANT 2 TREES (1-875 SHADE VALUE & 1-1200 SHADE VALUE)
- (3) MIN 1.5 INCH CALIPER TREES SHALL BE PLANTED
- (4) ALL LOTS IN PHASE 1,3, AND 4 SHALL PLANT 1 ENERGY CREDIT WITH A SHADE VALUE OF 1200
- (5) ALL LOTS IN PHASE 2 SHALL PLANT 1 ENERGY CREDIT WITH A SHADE VALUE OF 875

**HOT AND SOUR SOUR
18618 TUSCANY STONE
SAN ANTONIO, TX 78258**

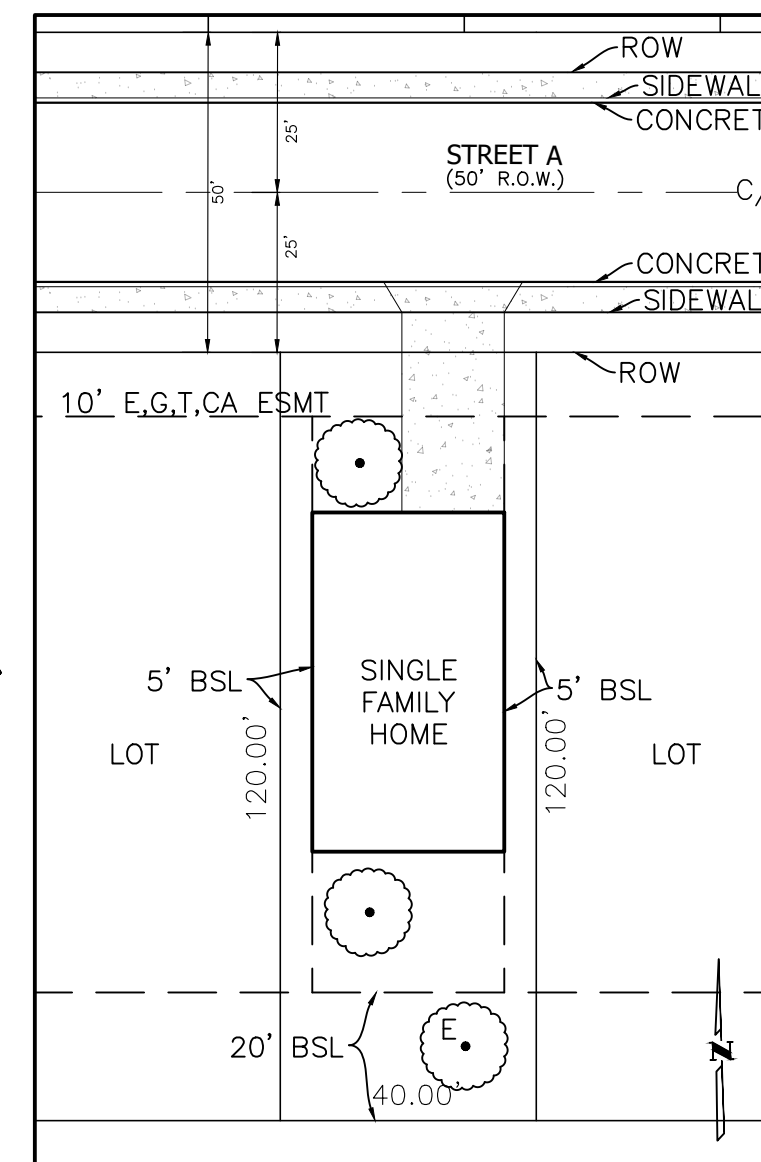
PRAIRIE GREEN MDP
TRE-APP-21-38801916

MASTER TREE PRESERVATION PLAN

DESIGNED BY:	WPF
DRAFTED BY:	WPF
CHECKED BY:	NFU

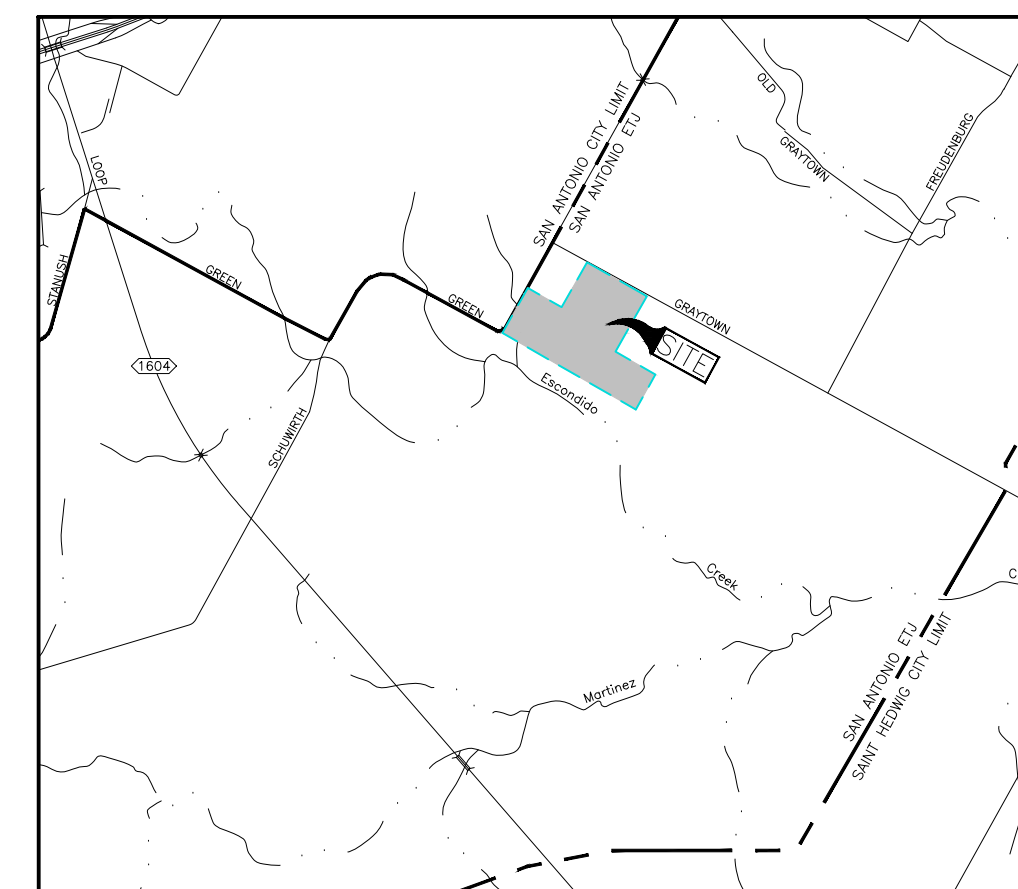
- (1) TREES SHALL COMPLY WITH APPENDIX E OF THE CITY OF SAN ANTONIO UDC. (EX. BURR/RED OAK). NO MORE THAN 25% OF THE REPLACEMENT TREES SHALL BE OF THE SAME SPECIES FOR THE PURPOSE OF MITIGATION.
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TREE FENCING INSPECTION
REQUIRED BEFORE SITE WORK
CALL 207-1111 TO SCHEDULE



TYPICAL LOT LAYOUT
SCALE 1:30

"E" = DENOTES ENERGY CREDIT
TREE WHICH SHALL BE PLANTED ON
SOUTH OR WEST SIDE OF DWELLING

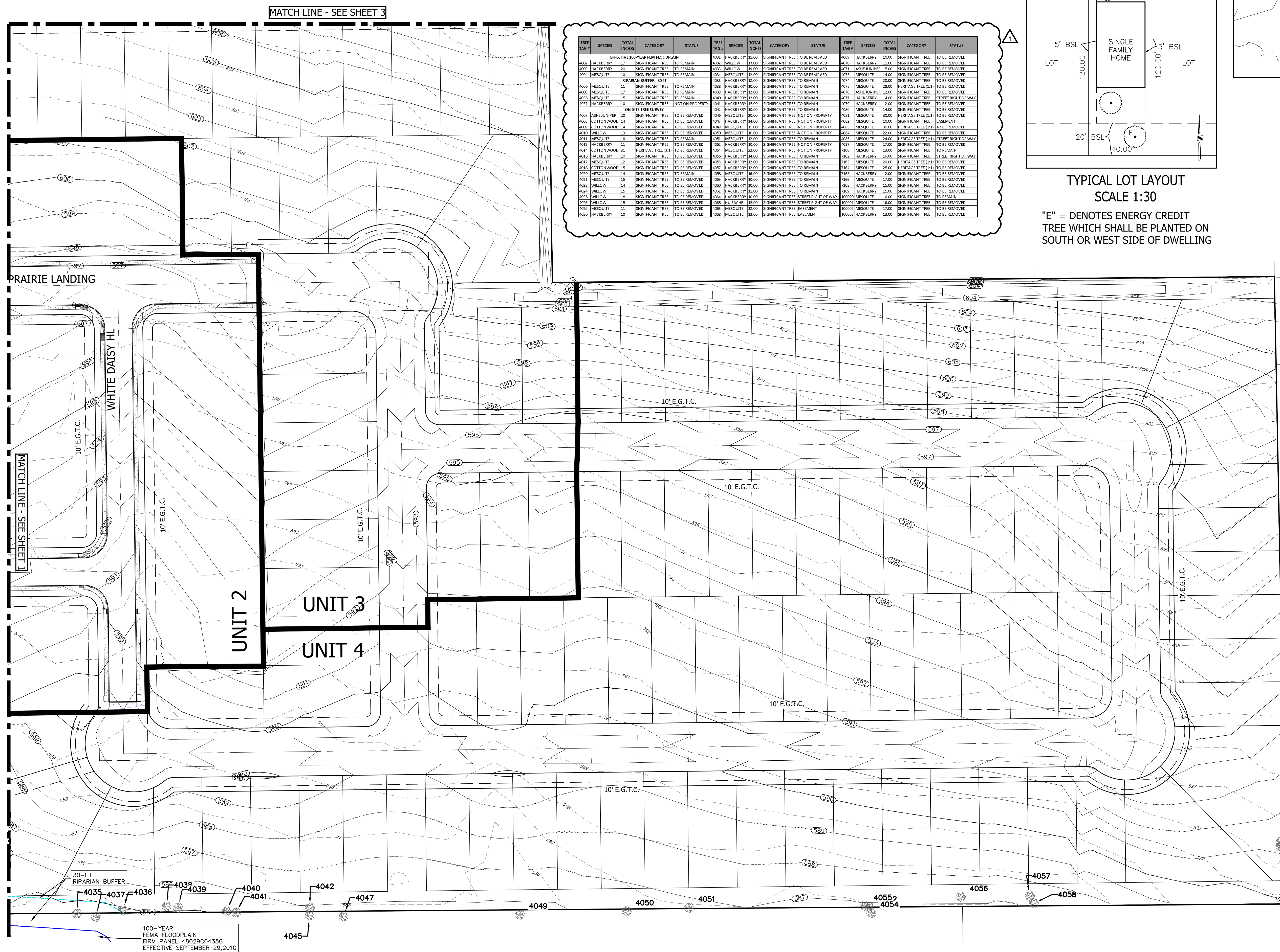


VICINITY MAP
NOT TO SCALE



LEGEND

- TREES TO BE PLANTED (REF. COSA UDC APPENDIX E)
- EXISTING TREES TO REMAIN
- EXISTING TREES TO BE REMOVED
- EXISTING TREE EXEMPT DUE TO BEING LOCATED IN R.O.W. OR EASEMENT
- EXISTING ROW TREE TO BE REMOVED
- EXISTING GRADE ELEVATIONS
- PROPOSED GRADE ELEVATIONS



HOT AND SOUR SOUR
18618 TUSCANY STONE
SAN ANTONIO, TX 78258

PRAIRIE GREEN MDP
TRE-APP-21-38801916

MASTER TREE
PRESERVATION PLAN

REV	DATE	DESCRIPTION
1	5/26/22	PROPOSED CONTOURS ADDED TO PERMIT AND CALCS
2	5/26/22	REVISED
3	5/26/22	TRE-APP-21-38801916 APPROVED BY COSA
4	5/26/22	REVISED
5	5/26/22	REVISED
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100	5/26/22	REVISED

DESIGNED BY: WPF
DRAFTED BY: WPF
CHECKED BY: NFU

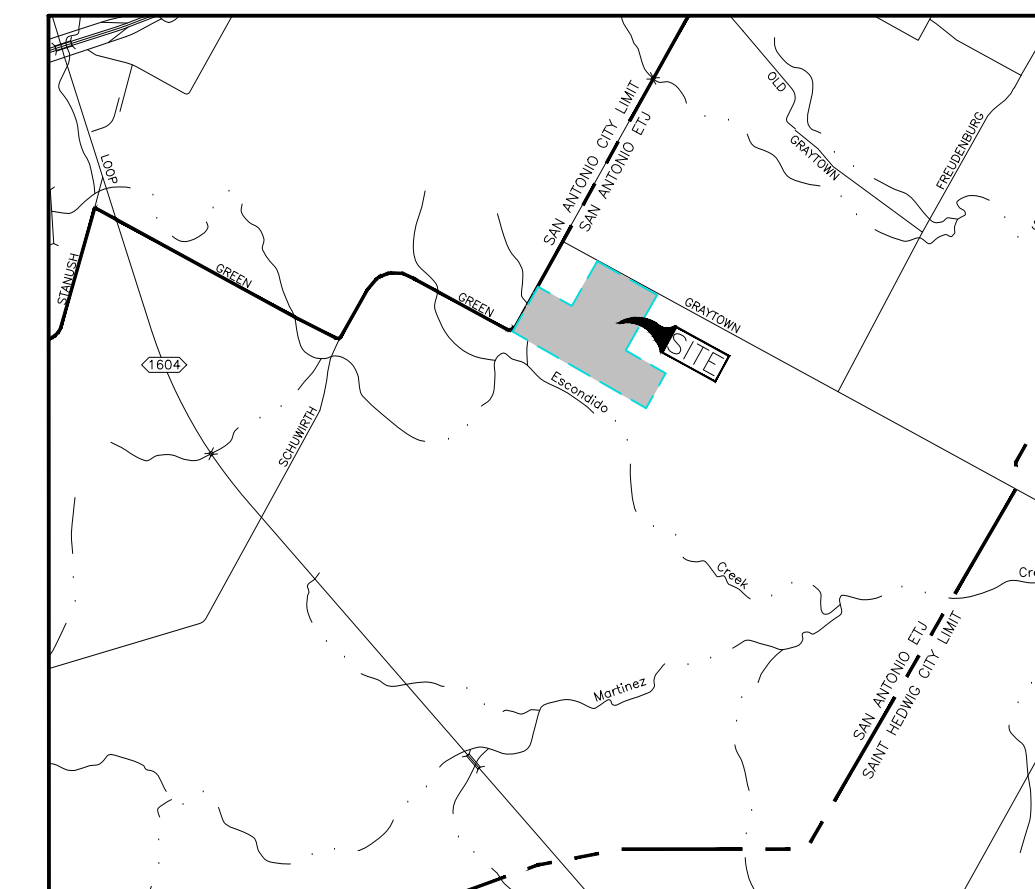
SHEET

2

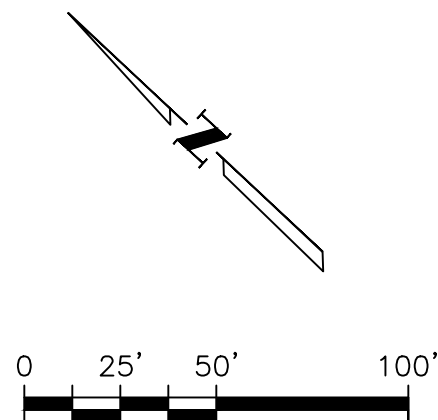
OF 5

- TREE FENCING INSPECTION
REQUIRED BEFORE SITE WORK
CALL 207-1111 TO SCHEDULE**

TRF TAG	SPECIES	TOTAL INCHES	CATEGORY	STATUS	TRF TAG #	SPECIES	TOTAL INCHES	CATEGORY	STATUS	TRF TAG #	SPECIES	TOTAL INCHES	CATEGORY	STATUS
EFFECTIVE 100-YEAR FIRM FLOORPLAN														
4002	HACKBERRY	17	SIGNIFICANT TREE	TO REMAIN	4031	HACKBERRY	11.00	SIGNIFICANT TREE	TO BE REMOVED	4069	HACKBERRY	10.00	SIGNIFICANT TREE	TO BE REMOVED
4003	HACKBERRY	12	SIGNIFICANT TREE	TO REMAIN	4032	WILLOW	13.00	SIGNIFICANT TREE	TO BE REMOVED	4070	HACKBERRY	11.00	SIGNIFICANT TREE	TO BE REMOVED
4004	MESQUITE	10	SIGNIFICANT TREE	TO REMAIN	4033	WILLOW	12.00	SIGNIFICANT TREE	TO BE REMOVED	4071	HACKBERRY	10.00	SIGNIFICANT TREE	TO BE REMOVED
4005	MESQUITE	10	SIGNIFICANT TREE	TO REMAIN	4034	MESQUITE	12.00	SIGNIFICANT TREE	TO BE REMOVED	4072	HACKBERRY	10.00	SIGNIFICANT TREE	TO BE REMOVED
REPAIR BUFFER, 30 FT														
4006	MESQUITE	10	SIGNIFICANT TREE	TO REMAIN	4035	HACKBERRY	8.00	SIGNIFICANT TREE	TO REMAIN	4074	MESQUITE	24.00	SIGNIFICANT TREE	TO BE REMOVED
4007	MESQUITE	10	SIGNIFICANT TREE	TO REMAIN	4036	HACKBERRY	12.00	SIGNIFICANT TREE	TO REMAIN	4075	MESQUITE	14.00	SIGNIFICANT TREE	TO BE REMOVED
4008	MESQUITE	10	SIGNIFICANT TREE	TO REMAIN	4037	HACKBERRY	12.00	SIGNIFICANT TREE	TO REMAIN	4076	MESQUITE	14.00	SIGNIFICANT TREE	TO BE REMOVED
4009	MESQUITE	10	SIGNIFICANT TREE	TO REMAIN	4038	HACKBERRY	12.00	SIGNIFICANT TREE	TO REMAIN	4077	MESQUITE	14.00	SIGNIFICANT TREE	TO BE REMOVED
4010	HACKBERRY	10	SIGNIFICANT TREE	NOT ON PROPERTY	4039	HACKBERRY	12.00	SIGNIFICANT TREE	TO REMAIN	4078	ASH JUNGLE	12.00	SIGNIFICANT TREE	TO BE REMOVED
ON THE SURVEY														
4007	ASH JUNGLE	10	SIGNIFICANT TREE	TO BE REMOVED	4040	HACKBERRY	10.00	SIGNIFICANT TREE	TO REMAIN	4080	MESQUITE	14.00	SIGNIFICANT TREE	TO BE REMOVED
4008	ASH JUNGLE	10	SIGNIFICANT TREE	TO BE REMOVED	4041	HACKBERRY	10.00	SIGNIFICANT TREE	TO REMAIN	4081	MESQUITE	14.00	SIGNIFICANT TREE	TO BE REMOVED
4009	COTTONWOOD	14	SIGNIFICANT TREE	TO BE REMOVED	4042	HACKBERRY	14.00	SIGNIFICANT TREE	NOT ON PROPERTY	4082	MESQUITE	10.00	SIGNIFICANT TREE	ASAP/MIN
4010	COTTONWOOD	14	SIGNIFICANT TREE	TO BE REMOVED	4043	MESQUITE	15.00	SIGNIFICANT TREE	NOT ON PROPERTY	4083	MESQUITE	30.00	HERITAGE TREE (L1)	
4011	MESQUITE	10	SIGNIFICANT TREE	TO REMAIN	4044	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4084	MESQUITE	24.00	HERITAGE TREE (L1)	
4012	MESQUITE	16	SIGNIFICANT TREE	TO REMAIN	4045	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4085	MESQUITE	24.00	HERITAGE TREE (L1)	STREET RIGHT OF WAY
4013	MESQUITE	10	SIGNIFICANT TREE	TO REMAIN	4046	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4086	MESQUITE	24.00	HERITAGE TREE (L1)	STREET RIGHT OF WAY
4014	COTTONWOOD	11	HERITAGE TREE (3-3)	TO REMAIN	4047	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4087	MESQUITE	24.00	HERITAGE TREE (L1)	STREET RIGHT OF WAY
4015	HACKBERRY	10	SIGNIFICANT TREE	TO BE REMOVED	4048	MESQUITE	22.00	SIGNIFICANT TREE	NOT ON PROPERTY	4088	MESQUITE	16.00	SIGNIFICANT TREE	TO REMOVED
4016	HACKBERRY	10	SIGNIFICANT TREE	TO BE REMOVED	4049	HACKBERRY	14.00	SIGNIFICANT TREE	TO REMAIN	4089	MESQUITE	15.00	SIGNIFICANT TREE	TO REMOVED
4017	HACKBERRY	10	SIGNIFICANT TREE	TO BE REMOVED	4050	HACKBERRY	14.00	SIGNIFICANT TREE	TO REMAIN	4090	MESQUITE	15.00	SIGNIFICANT TREE	TO REMOVED
4018	COTTONWOOD	15	SIGNIFICANT TREE	TO BE REMOVED	4051	HACKBERRY	14.00	SIGNIFICANT TREE	TO REMAIN	4091	MESQUITE	15.00	SIGNIFICANT TREE	TO REMOVED
4019	MESQUITE	14	SIGNIFICANT TREE	TO REMAIN	4052	HACKBERRY	16.00	SIGNIFICANT TREE	TO REMAIN	4092	MESQUITE	25.00	HERITAGE TREE (L1)	TO BE REMOVED
4020	MESQUITE	14	SIGNIFICANT TREE	TO REMAIN	4053	HACKBERRY	16.00	SIGNIFICANT TREE	TO REMAIN	4093	MESQUITE	25.00	HERITAGE TREE (L1)	TO BE REMOVED
4021	MESQUITE	14	SIGNIFICANT TREE	TO REMAIN	4054	HACKBERRY	16.00	SIGNIFICANT TREE	TO REMAIN	4094	MESQUITE	25.00	HERITAGE TREE (L1)	TO BE REMOVED
4022	WILLOW	14	SIGNIFICANT TREE	TO BE REMOVED	4055	HACKBERRY	16.00	SIGNIFICANT TREE	TO REMAIN	4095	MESQUITE	25.00	HERITAGE TREE (L1)	TO BE REMOVED
4023	WILLOW	14	SIGNIFICANT TREE	TO BE REMOVED	4056	HACKBERRY	16.00	SIGNIFICANT TREE	TO REMAIN	4096	MESQUITE	25.00	HERITAGE TREE (L1)	TO BE REMOVED
4024	WILLOW	14	SIGNIFICANT TREE	TO BE REMOVED	4057	HACKBERRY	16.00	SIGNIFICANT TREE	TO REMAIN	4097	MESQUITE	25.00	HERITAGE TREE (L1)	TO BE REMOVED
4025	WILLOW	14	SIGNIFICANT TREE	TO BE REMOVED	4058	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4098	MESQUITE	25.00	HERITAGE TREE (L1)	TO BE REMOVED
4026	WILLOW	14	SIGNIFICANT TREE	TO BE REMOVED	4059	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4099	MESQUITE	25.00	HERITAGE TREE (L1)	TO BE REMOVED
4027	WILLOW	14	SIGNIFICANT TREE	TO BE REMOVED	4060	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4100	MESQUITE	25.00	HERITAGE TREE (L1)	TO BE REMOVED
4028	WILLOW	14	SIGNIFICANT TREE	TO BE REMOVED	4061	HACKBERRY	11.00	SIGNIFICANT TREE	TO REMAIN	4101	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4029	WILLOW	14	SIGNIFICANT TREE	TO BE REMOVED	4062	HACKBERRY	11.00	SIGNIFICANT TREE	TO REMAIN	4102	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4030	WILLOW	14	SIGNIFICANT TREE	TO BE REMOVED	4063	HACKBERRY	11.00	SIGNIFICANT TREE	TO REMAIN	4103	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4031	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4064	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4104	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4032	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4065	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4105	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4033	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4066	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4106	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4034	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4067	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4107	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4035	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4068	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4108	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4036	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4069	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4109	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4037	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4070	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4110	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4038	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4071	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4111	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4039	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4072	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4112	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4040	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4073	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4113	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4041	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4074	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4114	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4042	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4075	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4115	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4043	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4076	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4116	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4044	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4077	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4117	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4045	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4078	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4118	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4046	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4079	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4119	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4047	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4080	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4120	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4048	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4081	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4121	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4049	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4082	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4122	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4050	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4083	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4123	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4051	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4084	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4124	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4052	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4085	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4125	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4053	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4086	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4126	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4054	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4087	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4127	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4055	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4088	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4128	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4056	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4089	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4129	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4057	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4090	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4130	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4058	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4091	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4131	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4059	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4092	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4132	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4060	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4093	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4133	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4061	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4094	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4134	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4062	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4095	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4135	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4063	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4096	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4136	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4064	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4097	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4137	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4065	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4098	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4138	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4066	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4099	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4139	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4067	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4100	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4140	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4068	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4101	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4141	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4069	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4102	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4142	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4070	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4103	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4143	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4071	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4104	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4144	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4072	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4105	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4145	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4073	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4106	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4146	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4074	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4107	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4147	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4075	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4108	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4148	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4076	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4109	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4149	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4077	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4110	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4150	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4078	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4111	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4151	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4079	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4112	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4152	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4080	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4113	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4153	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4081	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4114	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4154	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4082	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4115	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4155	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4083	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4116	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4156	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4084	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4117	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4157	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4085	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4118	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4158	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED
4086	MESQUITE	10	SIGNIFICANT TREE	TO BE REMOVED	4119	MESQUITE	12.00	SIGNIFICANT TREE	TO REMAIN	4159	HACKBERRY	15.00	SIGNIFICANT TREE	TO BE REMOVED

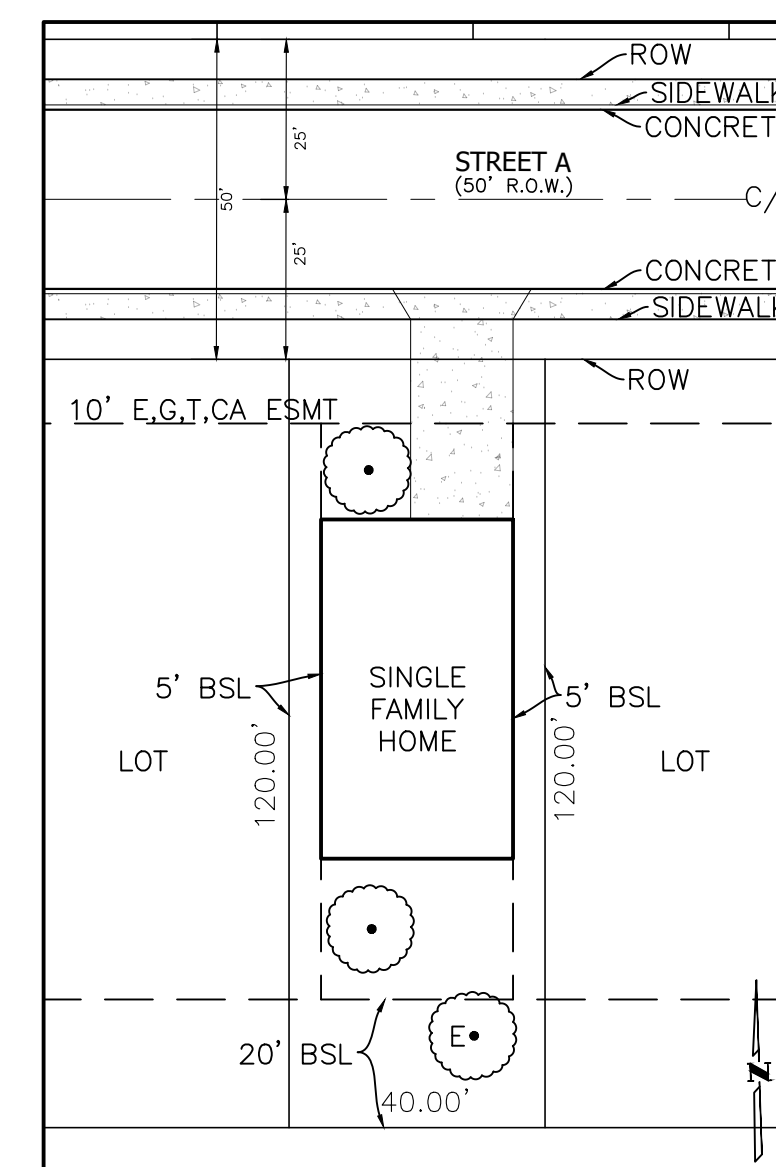


VICINITY MAP
NOT TO SCALE



LEGEND

- | | |
|---|---|
|  | TREES TO BE PLANTED (REF. COSA UDC APPENDIX E) |
|  | EXISTING TREES TO REMAIN |
|  | EXISTING TREES TO BE REMOVED |
|  | EXISTING TREE EXEMPT DUE TO BEING LOCATED IN R.O.W. OR EASEMENT |
|  | EXISTING ROW TREE TO BE REMOVED |
| -----+02----- | EXISTING GRADE ELEVATIONS |
| -----+02----- | PROPOSED GRADE ELEVATIONS |



TYPICAL LOT LAYOUT
SCALE 1:30

"E" = DENOTES ENERGY CREDIT
TREE WHICH SHALL BE PLANTED ON
SOUTH OR WEST SIDE OF DWELLING

Tree Inventory Worksheet to Determine Preservation and Canopy Shade Coverage						SIGNIFICANT TREE ¹ 6'-23.5"		HERITAGE TREE (1-1) Greater Than 23.5"		HERITAGE TREE (3-1) Greater Than 23.5"		UNDERSTORY ² TREES ³		SIGNIFICANT TREE ¹ 6'-23.5"		HERITAGE TREE (1-1) Greater Than 23.5"		HERITAGE TREE (3-1) Greater Than 23.5"	
TREE TAG #	SPECIES	TOTAL INCHES	SHADE VALUE	CATEGORY	STATUS	REMOVED INCHES	PRESERVED INCHES	REMOVED INCHES	PRESERVED INCHES	REMOVED INCHES	PRESERVED INCHES	PRESERVED INCHES	REMOVED CANOPY	PRESERVED CANOPY	REMOVED CANOPY	PRESERVED CANOPY	REMOVED CANOPY	PRESERVED CANOPY	
EFFECTIVE 100-YEAR FEM FLOODPLAIN						0	47	0	0	0	0	0	0	2300	0	0	0	0	
4002	HACKBERRY	17.00	875	SIGNIFICANT TREE	TO REMAIN		17							875					
4003	HACKBERRY	20.00	875	SIGNIFICANT TREE	TO REMAIN		20							875					
4004	MESQUITE	10.00	550	SIGNIFICANT TREE	TO REMAIN		10							550					
RIPARIAN BUFFER - 30 FT						0	43	0	0	0	0	0	0	1650	0	0	0	0	
4005	MESQUITE	11.00	550	SIGNIFICANT TREE	TO REMAIN		11							550					
4006	MESQUITE	17.00	550	SIGNIFICANT TREE	TO REMAIN		17							550					
4035	MESQUITE	15.00	550	SIGNIFICANT TREE	TO REMAIN		15							550					
4037	HACKBERRY	10.00	875	SIGNIFICANT TREE	NOT ON PROPERTY														
ON-SITE TREE SURVEY						514	233	139	0	31	0	0	24375	13800	2750	0	1200	0	
4007	ASHE JUNIPER	20.00	875	SIGNIFICANT TREE	TO BE REMOVED	20								875					
4008	COTTONWOOD	14.00	1200	SIGNIFICANT TREE	TO BE REMOVED	14								1200					
4009	COTTONWOOD	14.00	1200	SIGNIFICANT TREE	TO BE REMOVED	14								1200					
4010	WILLOW	13.00	275	SIGNIFICANT TREE	TO BE REMOVED	13								275					
4011	MESQUITE	16.00	550	SIGNIFICANT TREE	TO REMAIN		16							550					
4012	HACKBERRY	11.00	875	SIGNIFICANT TREE	TO BE REMOVED	11								875					
4014	COTTONWOOD	31.00	1200	HERITAGE TREE (3-1)	TO BE REMOVED				31								1200		
4015	HACKBERRY	10.00	875	SIGNIFICANT TREE	TO BE REMOVED	10								875					
4017	MESQUITE	12.00	550	SIGNIFICANT TREE	TO BE REMOVED	12								550					
4018	COTTONWOOD	15.00	1200	SIGNIFICANT TREE	TO BE REMOVED	15								1200					
4020	MESQUITE	14.00	550	SIGNIFICANT TREE	TO REMAIN		14							550					
4021	MESQUITE	15.00	550	SIGNIFICANT TREE	TO BE REMOVED	15								550					
4023	WILLOW	14.00	275	SIGNIFICANT TREE	TO BE REMOVED	14								275					
4024	WILLOW	15.00	275	SIGNIFICANT TREE	TO BE REMOVED	15								275					
4025	WILLOW	18.00	275	SIGNIFICANT TREE	TO BE REMOVED	18								275					
4026	WILLOW	15.00	275	SIGNIFICANT TREE	TO BE REMOVED	15								275					
4029	MESQUITE	11.00	550	SIGNIFICANT TREE	TO BE REMOVED	11								550					
4030	HACKBERRY	10.00	875	SIGNIFICANT TREE	TO BE REMOVED	10								875					
4031	HACKBERRY	11.00	875	SIGNIFICANT TREE	TO BE REMOVED	11								875					
4032	WILLOW	13.00	275	SIGNIFICANT TREE	TO BE REMOVED	13								275					
4033	WILLOW	19.00	275	SIGNIFICANT TREE	TO BE REMOVED	19								275					
4034	MESQUITE	12.00	550	SIGNIFICANT TREE	TO BE REMOVED	12								550					
4036	HACKBERRY	18.00	875	SIGNIFICANT TREE	TO REMAIN		18							875					
4038	HACKBERRY	10.00	875	SIGNIFICANT TREE	TO REMAIN		10							875					
4039	HACKBERRY	12.00	875	SIGNIFICANT TREE	TO REMAIN		12							875					
4040	HACKBERRY	12.00	875	SIGNIFICANT TREE	TO REMAIN		12							875					
4041	HACKBERRY	15.00	875	SIGNIFICANT TREE	TO REMAIN		15							875					
4042	HACKBERRY	10.00	875	SIGNIFICANT TREE	TO REMAIN		10							875					
4045	MESQUITE	20.00	550	SIGNIFICANT TREE	NOT ON PROPERTY														
4047	HACKBERRY	14.00	875	SIGNIFICANT TREE	NOT ON PROPERTY														
4049	MESQUITE	15.00	550	SIGNIFICANT TREE	NOT ON PROPERTY														
4050	MESQUITE	10.00	550	SIGNIFICANT TREE	NOT ON PROPERTY														
4051	MESQUITE	12.00	550	SIGNIFICANT TREE	TO REMAIN		12							550					
4052	HACKBERRY	10.00	875	SIGNIFICANT TREE	NOT ON PROPERTY														
4054	MESQUITE	22.00	550	SIGNIFICANT TREE	NOT ON PROPERTY														
4055	HACKBERRY	14.00	875	SIGNIFICANT TREE	TO REMAIN		14							875					
4056	HACKBERRY	12.00	875	SIGNIFICANT TREE	TO REMAIN		12							875					
4057	HACKBERRY	12.00	875	SIGNIFICANT TREE	TO REMAIN		12							875					
4058	MESQUITE	16.00	550	SIGNIFICANT TREE	TO REMAIN		16							550					
4059	HACKBERRY	10.00	875	SIGNIFICANT TREE	TO REMAIN		10							875					
4060	HACKBERRY	10.00	875	SIGNIFICANT TREE	TO REMAIN		10							875					
4061	HACKBERRY	11.00	875	SIGNIFICANT TREE	TO REMAIN		11							875					
4064	HACKBERRY	10.00	875	SIGNIFICANT TREE	STREET RIGHT OF WAY														
4065	HUISACHE	15.00	550	SIGNIFICANT TREE	STREET RIGHT OF WAY														
4066	MESQUITE	12.00	550	SIGNIFICANT TREE	EASEMENT														
4068	MESQUITE	13.00	550	SIGNIFICANT TREE	EASEMENT														
4069	HACKBERRY	10.00	875	SIGNIFICANT TREE	TO BE REMOVED	10								875					
4070	HACKBERRY	11.00	875	SIGNIFICANT TREE	TO BE REMOVED	11								875					
4071	ASHE JUNIPER	15.00	875	SIGNIFICANT TREE	TO BE REMOVED	15								875					
4073	MESQUITE	14.00	550	SIGNIFICANT TREE	TO BE REMOVED	14								550					
4074	MESQUITE	20.00	550	SIGNIFICANT TREE	TO BE REMOVED	20								550					
4075	MESQUITE	28.00	550	HERITAGE TREE (1-1)	TO BE REMOVED			28							550				
4076	ASHE JUNIPER	12.00	875	SIGNIFICANT TREE	TO BE REMOVED	12								875					
4077	HACKBERRY	14.00	875	SIGNIFICANT TREE	STREET RIGHT OF WAY														
4079	HACKBERRY	12.00	875	SIGNIFICANT TREE	TO BE REMOVED	12								875					
4080	MESQUITE	14.00	550	SIGNIFICANT TREE	TO BE REMOVED	14								550					
4081	MESQUITE	30.00	550	HERITAGE TREE (1-1)	TO BE REMOVED			30							550				
4082	MESQUITE	10.00	550	SIGNIFICANT TREE	EASEMENT														
4083	MESQUITE	30.00	550	HERITAGE TREE (1-1)	TO BE REMOVED			30							550				
4084	MESQUITE	22.00	550	SIGNIFICANT TREE	TO BE REMOVED	22								550					
4085	MESQUITE	24.00	550	HERITAGE TREE (1-1)	STREET RIGHT OF WAY														
4087	MESQUITE	17.00	550	SIGNIFICANT TREE	TO BE REMOVED	17								550					
7160	MESQUITE	13.00	550	SIGNIFICANT TREE	TO REMAIN		13							550					
7162	HACKBERRY	16.00	875	SIGNIFICANT TREE	STREET RIGHT OF WAY														
7163	MESQUITE	26.00	550	HERITAGE TREE (1-1)	TO BE REMOVED			26							550				
7164	MESQUITE	25.00	550	HERITAGE TREE (1-1)	TO BE REMOVED			25							550				
7165	HACKBERRY	12.00	875	SIGNIFICANT TREE	TO BE REMOVED	12								875					
7166	MESQUITE	17.00	550	SIGNIFICANT TREE	TO BE REMOVED	17								550					
7168	HACKBERRY	15.00	875	SIGNIFICANT TREE	TO BE REMOVED	15								875					
7169	HACKBERRY	15.00	875	SIGNIFICANT TREE	TO BE REMOVED	15								875					
100000	MESQUITE	16.00	550	SIGNIFICANT TREE	TO REMAIN		16							550					
100001	MESQUITE	16.00	550	SIGNIFICANT TREE	TO BE REMOVED	16								550					
100002	MESQUITE	17.00	550	SIGNIFICANT TREE	TO BE REMOVED	17								550					
100003	HACKBERRY	13.00	875	SIGNIFICANT TREE	TO BE REMOVED	13								875					

**TREE FENCING INSPECTION
REQUIRED BEFORE SITE WORK
CALL 207-1111 TO SCHEDULE**

PHASING TABLE			
PHASE	ZONING	AREA (ACRES)	LOTS
PHASE 1	OCL	24.97	78
PHASE 2	OCL	12.84	74
PHASE 3	OCL	12.97	72
PHASE 4	OCL	14.56	76
TOTAL		65.34	300

- (1) TREES SHALL COMPLY WITH APPENDIX E OF THE CITY OF SAN ANTONIO UDC. (EX. BURR/RED OAK). NO MORE THAN 25% OF THE REPLACEMENT TREES SHALL BE OF THE SAME SPECIES FOR THE PURPOSE OF MITIGATION.
- (2) ALL RESIDENTIAL LOTS SHALL PLANT 2 TREES (1-875 SHADE VALUE & 1-1200 SHADE VALUE)
- (3) MIN 1.5 INCH CALIPER TREES SHALL BE PLANTED
- (4) ALL LOTS IN PHASE 1,3, AND 4 SHALL PLANT 1 ENERGY CREDIT WITH A SHADE VALUE OF 1200
- (5) ALL LOTS IN PHASE 2 SHALL PLANT 1 ENERGY CREDIT WITH A SHADE VALUE OF 875

SITE SUMMARY

TOTAL ACRES	65.33
TOTAL FLOODPLAIN ACRES	4.67
TOTAL GROSS ACRES	60.66
TYPE OF DEVELOPMENT	SINGLE FAMILY RESIDENTIAL
TOTAL NUMBER OF LOTS	300

TREE PRESERVATION CALCULATIONS

EFFECTIVE 100-YEAR FLOODPLAIN	
SIGNIFICANT TREES:	
TOTAL INCHES.....	47.00
INCHES REMOVED.....	0.00
INCHES PRESERVED.....	47.00
TOTAL PERCENTAGE PRESERVED.....	100.00%
REQUIRED PRESERVATION WITHIN 100 YEAR FLOODPLAIN.....	80%

HERITAGE TREES:

TOTAL INCHES.....	0.00
INCHES REMOVED.....	0.00
INCHES PRESERVED.....	0.00
TOTAL PERCENTAGE PRESERVED.....	N/A
REQUIRED PRESERVATION WITHIN 100 YEAR FLOODPLAIN.....	80%

ENVIRONMENTAL SENSITIVE AREAS - 30 FT RIPARIAN BUFFER

SIGNIFICANT TREES:	
TOTAL INCHES.....	43.00
INCHES REMOVED.....	0.00
INCHES PRESERVED.....	43.00
TOTAL PERCENTAGE PRESERVED.....	100.00%
REQUIRED PRESERVATION WITHIN 100 YEAR FLOODPLAIN.....	80%

HERITAGE TREES:

TOTAL INCHES.....	0.00
INCHES REMOVED.....	0.00
INCHES PRESERVED.....	0.00
TOTAL PERCENTAGE PRESERVED.....	N/A
REQUIRED PRESERVATION WITHIN 100 YEAR FLOODPLAIN.....	80%

TREES ON-SITE (INCLUDING ENVIRONMENTALLY SENSITIVE AREAS)

<u>SIGNIFICANT TREES:</u>	
TOTAL INCHES.....	790.00
TOTAL INCHES = ON-SITE INCHES + ESA 30 FT RIPARIAN BUFFER = 747 + 43	
INCHES REMOVED.....	514.00
REMOVED INCHES = ON-SITE INCHES REMOVED + ESA 30 FT RIPARIAN BUFFER = 514 + 0	
INCHES PRESERVED.....	276.00
PRESERVED INCHES = ON-SITE INCHES REMAIN + ESA 30 FT RIPARIAN BUFFER = 233 + 43	
TOTAL PERCENTAGE PRESERVED.....	34.94%
TOTAL % PRESERVED = PRESERVED INCHES/TOTAL INCHES = 276 / 790	
REQUIRED 35% PRESERVATION FOR SINGLE FAMILY RESIDENTIAL.....	276.50
TOTAL INCHES X 35% = 790 X 0.35	
REMAINING INCHES TO MITIGATE.....	0.5
IF REQUIRED > PRESERVED = 276.5 - 276	
EXCESS INCHES.....	0.00
NO EXCESS INCHES	

HERITAGE TREES:

TOTAL INCHES.....	170.00
TOTAL INCHES = ON-SITE INCHES + EXISTING ROW INCHES = 170 + 0	
INCHES REMOVED.....	170.00
REMOVED INCHES = ON-SITE INCHES REMOVED + EXISTING ROW INCHES REMOVED = 170 + 0	
INCHES PRESERVED.....	0.00
PRESERVED INCHES = ON-SITE INCHES REMAIN + EXISTING ROW INCHES REMAIN = 0 + 0	
TOTAL PERCENTAGE PRESERVED.....	0.00%
TOTAL % PRESERVED = PRESERVED INCHES/TOTAL INCHES = 170 / 0	
REQUIRED PRESERVATION (1:1) ¹	139.00
TOTAL INCHES REMOVED TO BE PRESERVED 1:1 = (139+0) X 1	
REQUIRED PRESERVATION (3:1) ²	93.00
TOTAL INCHES REMOVED TO BE PRESERVED 3:1 = (31+0) X 3	
REMAINING INCHES TO MITIGATE.....	232.00
REQUIRED PRESERVATION 3:1 + 1:1 = 139 + 93	
TOTAL INCHES TO MITIGATE	
EXCESS UNDERSIZED UNCHES.....	0.00
EXCESS SIGNIFICANT INCHES.....	0.00
SIGNIFICANT INCHES TO MITIGATE.....	-0.50
HERITAGE INCHES TO MITIGATE.....	-232.00
REMAINING REQUIRED MITIGATION.....	-232.50
TOTAL INCHES MITIGATED.....	450

TREE CANOPY CALCULATIONS

TOTAL SITE (GROSS ACRES).....	60.66
TOTAL SITE (SF).....	2,642,350
REQUIRED 38 % CANOPY PRESERVATION FOR SINGLE FAMILY RESIDENTIAL.....	1,004,093
TOTAL SITE(SF) X 38 % = 2642349.6 X 0.38	
EXISTING CANOPY TO REMAIN.....	15,450
REQUIRED CANOPY TO BE PLANTED.....	988,643
IF REQUIRE CANOPY < REMAINING CANOPY = 1004092.848 - 15450	
TOTAL CANOPY TO BE PLANTED.....	1,013,783
PROPOSED PROJECT CANOPY.....	39%

SITE SUMMARY

TOTAL ACRES	65.33
TOTAL FLOODPLAIN ACRES	4.67
TOTAL GROSS ACRES	60.66
TYPE OF DEVELOPMENT	SINGLE FAMILY RESIDENTIAL
TOTAL NUMBER OF LOTS	300

TREES TO BE PLANTED

CANOPY TO BE PLANTED NO ENERGY CREDIT.....	560,250
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$$\text{LOTS} \times \text{TREES PER LOT} \times \text{SHADE VALUE} \times 0.9 = (300 \times 1 \times 875 \times 0.9) + (300 \times 1 \times 1200 \times 0.9) + (0 \times 875 \times 0.9) + (0 \times 1200 \times 0.9)$$

Total Number of Lots	300	300
Number of Trees per Lot	1	1
Shade Value Per Tree on Lot	875	1200
Caliper per Tree ³	1.5	1.5
Additional Trees Planted	0	0
Shade Value Per Additional Tree	875	1200
Caliper per Tree ³	1.5	1.5

CANOPY TO BE PLANTED ENERGY CREDIT.....	453,533
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$$\# \text{ OF ENERGY CREDIT TREES} \times \text{SHADE VALUE} \times 0.9 \times 1.5 = (74 \times 875 \times 1.5 \times 0.9 \times 1.5) + (226 \times 1200 \times 1.5 \times 0.9 \times 1.5)$$

INCHES TO BE PLANTED ENERGY CREDIT..... 450

Number of Energy Credit Trees ⁴	74	226
Shade Value Per Tree	875	1200
Caliper per Tree ³	1.5	1.5

¹Ashe Juniper, Huisache, Mesquite, Arizona Ash, Hackberry protected at 10" dbh and mitigated at 1:1 for heritage trees

²Heritage Trees, other than mequite, shall be at 3:1

³Min 1.5" caliper trees shall be planted

⁴Energy credit trees shall be planted on the south or west side of a habitable structure.



1. NO UTILITY OR STREET EXCAVATION WORK SHALL BEGIN IN AREAS WHERE TREE PRESERVATION AND TREATMENT MEASURES HAVE NOT BEEN COMPLETED AND APPROVED.
2. TREE PROTECTION FENCING SHALL BE REQUIRED, TREE PROTECTION FENCING SHALL BE INSTALLED, MAINTAINED AND REPAIRED BY THE CONTRACTOR DURING SITE CONSTRUCTION. DURING CONSTRUCTION ACTIVITY, A MINIMUM SIX-INCH LAYER OF COARSE MULCH SHALL BE PLACED AND MAINTAINED OVER THE ROOT PROTECTION ZONE (NO SEPARATE PAY ITEM).
3. 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 TREE INSPECTOR FOR GUIDANCE.
4. ROOTS WILL BE CUT WITH A ROCK SAW OR BY HAND, NOT BY AN EXCAVATOR OR OTHER ROAD CONSTRUCTION EQUIPMENT.
5. ALL CURB AND SIDEWALK WORK SHALL USE ALTERNATIVE CONSTRUCTION METHODS TO MINIMIZE EXTENSIVE ROOT DAMAGE TO TREES (REFER TO DETAILS).
6. EXPOSED ROOTS SHALL BE COVERED AT THE END OF THE DAY USING TECHNIQUES SUCH AS COVERING WITH SOIL, MULCH, OR WET BURLAP.
7. 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 TREES 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.
8. SAPLINGS, SHRUBS OR BUSHES TO BE CLEARED FROM THE PROTECTED ROOT ZONE AREA OF A LARGE TREE SHALL BE REMOVED BY HAND AS DESIGNATED BY THE INSPECTOR.
9. NO WIRES, NAILS OR OTHER MATERIAL MAY BE ATTACHED TO PROTECTED TREES.
10. 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 PROJECTS MANAGEMENT THROUGH THE INSPECTOR.
11. NO EXCESSIVE TREE TRIMMING WILL BE PERMITTED.
12. 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 PROPERTY (NO SEPARATE PAY ITEM).
13. 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.
14. ANY TREE REMOVAL SHALL BE APPROVED BY THE CITY ARBORIST. (210.207.0278)
15. TREES WHICH ARE DAMAGED OR LOST DUE TO THE CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE MITIGATED TO THE CITY'S SATISFACTION.
16. 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 IN SIZE AND SPECIES.
17. 2015 TREE ORDINANCE IS RECOGNIZED.

**TREE FENCING INSPECTION
REQUIRED BEFORE SITE WORK
CALL 207-1111 TO SCHEDULE**