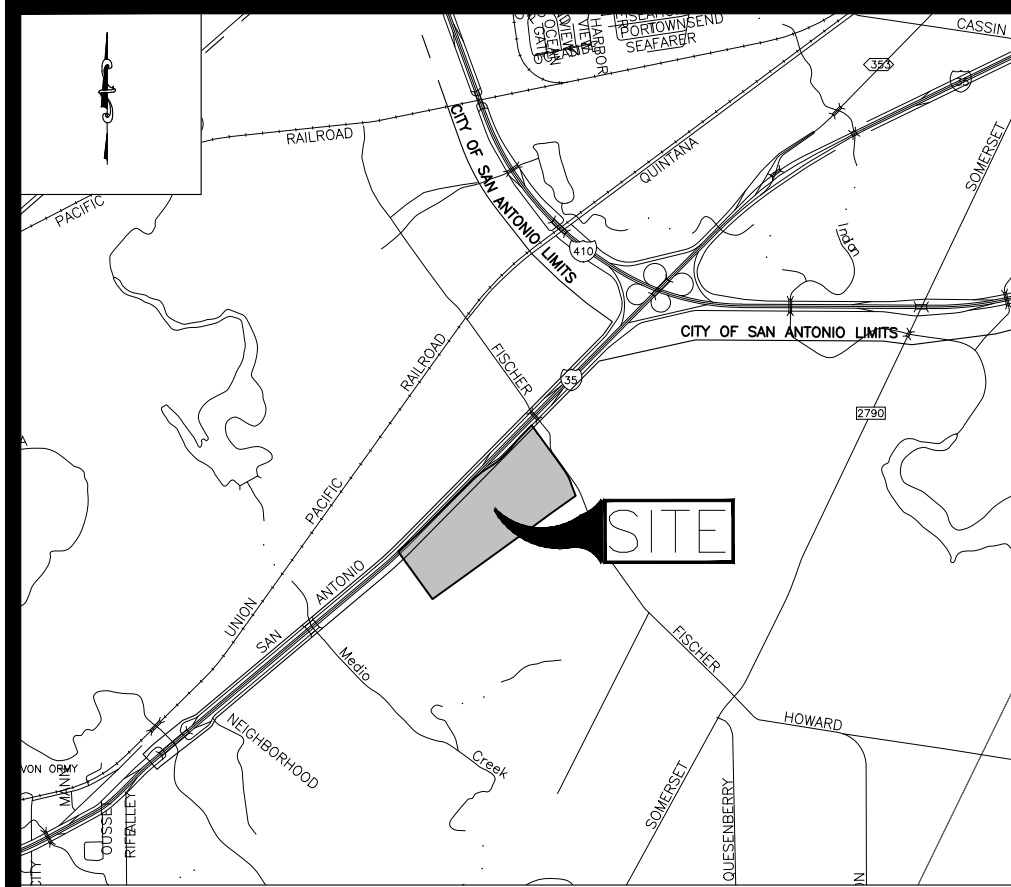




VICINITY MAP
NOT TO SCALE

BSA# 2876536-2627558/AP# 2627558

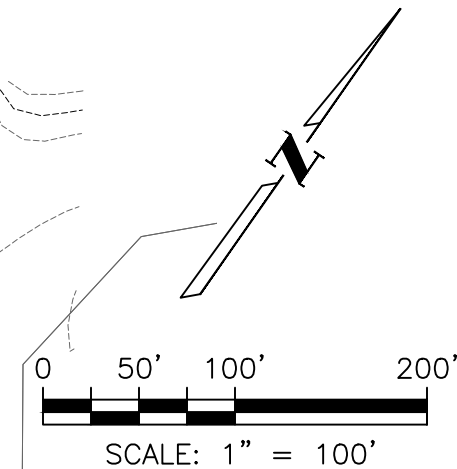
TREE PRESERVATION
APPROVED

DATE 11/04/2021

BY *Eric Rodriguez*
Revised

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

- (1) ENERGY CREDIT TREES SHALL BE PLANTED ON THE SOUTH OR WEST SIDE OF THE HOUSE TO COMPLY WITH THE ENERGY CONSERVATION CREDIT AND MIN 1.5" CALIPER TREES SHALL BE PLANTED
- (2) 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.
- (3) ALL RESIDENTIAL LOTS SHALL PLANT 2 TREES (1-875 SHADE VALUE & 1-1200 SHADE VALUE)
- (4) ALL RESIDENTIAL LOTS IN PHASE 1 AND PHASE 2 (488 LOTS) SHALL PLANT 1 TREE (1200 SHADE VALUE) ON THE SOUTH OR WEST SIDE OF THE HOUSE TO COMPLY WITH THE ENERGY CONSERVATION CREDIT.
- (4) ALL RESIDENTIAL LOTS IN PHASE 3 (170 LOTS) SHALL PLANT 1 TREE (875 SHADE VALUE) ON THE SOUTH OR WEST SIDE OF THE HOUSE TO COMPLY WITH THE ENERGY CONSERVATION CREDIT.



LEGEND

- TREE TO BE PLANTED (REF. APPENDIX E)
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- EXISTING TREE EXEMPT DUE TO BEING LOCATED IN R.O.W. OR EASEMENT
- EXISTING ROW TREE TO BE REMOVED DUE TO TURN LANE

TREE LIST		
TAG NO.	SIZE & SPECIES	ACTION
2012	12 MESQUITE	TO BE REMOVED
2013	12 MESQUITE	TO BE REMOVED
2014	14 MESQUITE	TO REMAIN
2015	20 MESQUITE	TO REMAIN
2016	14 MESQUITE	TO REMAIN
2017	12 MESQUITE	TO REMAIN
2018	14 MESQUITE	TO REMAIN
2019	13 MESQUITE	TO REMAIN
2020	16 MESQUITE	TO REMAIN
2021	11 MESQUITE	TO REMAIN
2022	15 MESQUITE	TO REMAIN
2023	13 MESQUITE	TO REMAIN
2024	14 MESQUITE	TO REMAIN
2025	12 MESQUITE	TO REMAIN
2026	9 MESQUITE	TO REMAIN
2027	11 MESQUITE	TO REMAIN
2028	11 MESQUITE	TO REMAIN
2029	11 MESQUITE	TO REMAIN
2030	11 MESQUITE	TO REMAIN
2031	11 HACKBERRY	TO BE REMOVED
2032	13 WILLOW	TO BE REMOVED
2037	13 HACKBERRY	TO BE REMOVED
2041	11 HACKBERRY	TO BE REMOVED
2045	11 HACKBERRY	TO BE REMOVED
2046	17 MESQUITE	TO BE REMOVED
2047	12 WILLOW	TO BE REMOVED
2048	11 HACKBERRY	TO BE REMOVED
2049	10 MESQUITE	TO BE REMOVED
2050	20 MESQUITE	TO BE REMOVED
2051	10 HACKBERRY	TO BE REMOVED
2052	25 MESQUITE	TO BE REMOVED
2053	10 HACKBERRY	TO BE REMOVED
2054	20 HACKBERRY	TO REMAIN
2055	10 HACKBERRY	TO REMAIN
2056	9 HACKBERRY	TO REMAIN
2057	10 MESQUITE	TO REMAIN
2058	12 HACKBERRY	TO REMAIN
2059	15 HACKBERRY	TO REMAIN
2060	13 HACKBERRY	TO REMAIN
2061	11 HACKBERRY	TO REMAIN
2062	13 MESQUITE	TO REMAIN
2063	10 MESQUITE	TO BE REMOVED
2064	10 HACKBERRY	TO BE REMOVED

NOTE:
TREES ON LIST WITH A LINE THROUGH THEM WERE SURVEYED, BUT ARE EITHER NOT ON PROPERTY, WITHIN RIGHT OF WAY DEDICATION, WITHIN DRAINAGE EASEMENT OR EXEMPT SPECIES

*TREE WITHIN EXISTING CITY OF SAN ANTONIO RIGHT OF WAY, TO BE REMOVED DUE TO ADDITION OF FISCHER ROAD RIGHT TURN LANE

MATCH LINE - SHEET 2

PHASE
2

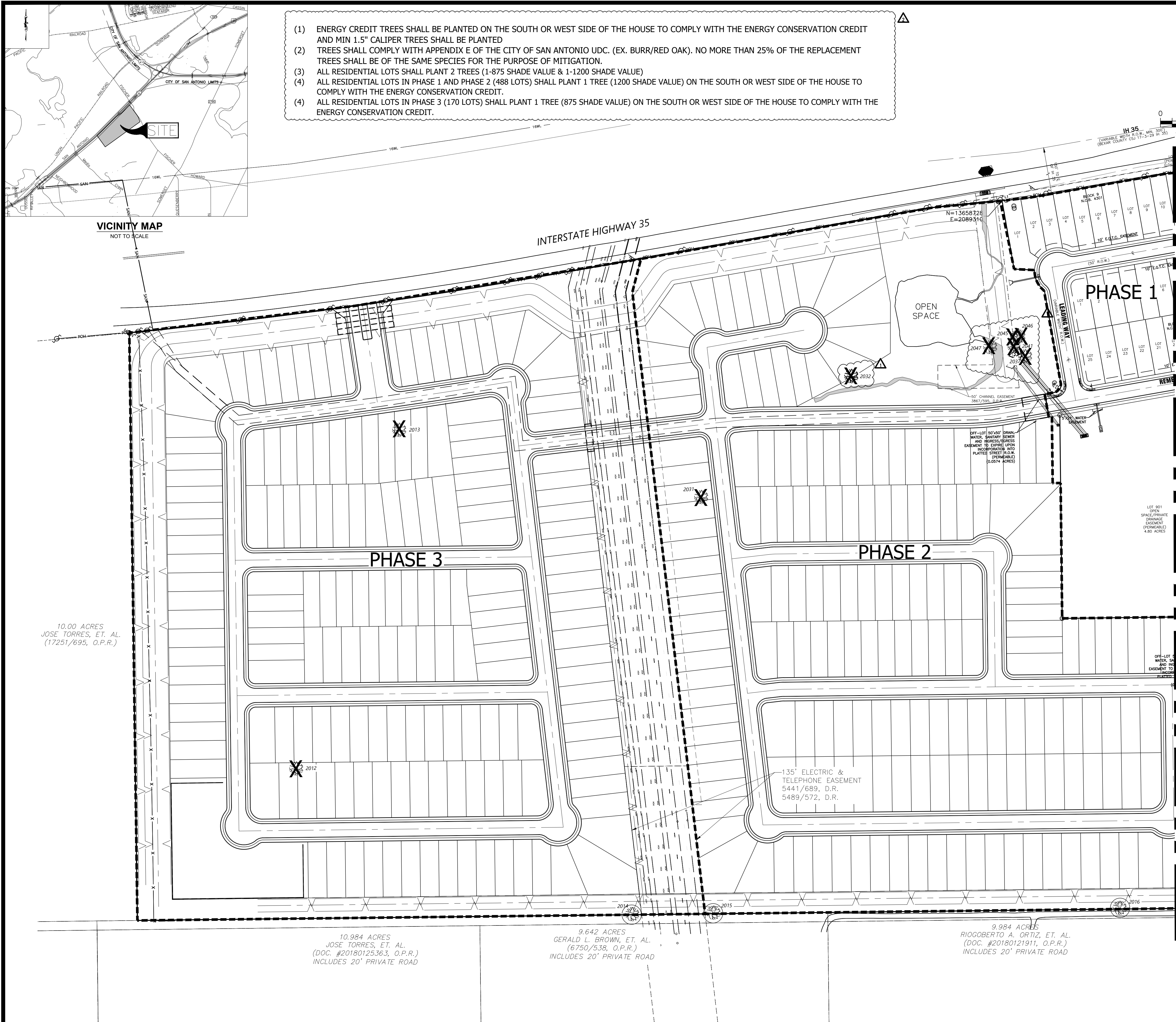
PHASE 1

VALE SOL SUBDIVISION
TREE A/P # 2876536-2627558

TREE PRESERVATION PLAN

REV	DATE	DESCRIPTION	BY
1	10/28/2021	VALE SOL UNIT 1 AND TREE REVIEWER COMMENTS	WPF
2	10/28/2021	FISCHER SP (CON-RP-APP21-386293)	WPF
3	07/02/2021	MP MAJOR AMENDMENT 21-110030	NFU

Date: 01/28/2021, 8:27am User: JPH
Path: C:\Users\jph\Documents\Projects\198 - Valle Sol Master\ACAD\Sheet\Tree_Preservation_Plan.dwg



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- (4) ALL RESIDENTIAL LOTS IN PHASE 3 (170 LOTS) SHALL PLANT 1 TREE (875 SHADE VALUE) ON THE SOUTH OR WEST SIDE OF THE HOUSE TO COMPLY WITH THE ENERGY CONSERVATION CREDIT.

0 50' 100' 200'
SCALE: 1" = 100'

LEGEND

- TREE TO BE PLANTED (REF. APPENDIX E)
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- EXISTING TREE EXEMPT DUE TO BEING LOCATED IN R.O.W.

TREE LIST		
TAG NO.	SIZE & SPECIES	ACTION
2012	12 MESQUITE	TO BE REMOVED
2013	12 MESQUITE	TO BE REMOVED
2014	14 MESQUITE	TO REMAIN
2015	20 MESQUITE	TO REMAIN
2016	11 MESQUITE	TO REMAIN
2017	12 MESQUITE	TO REMAIN
2018	14 MESQUITE	TO REMAIN
2019	13 MESQUITE	TO REMAIN
2020	15 MESQUITE	TO REMAIN
2021	11 MESQUITE	TO REMAIN
2022	15 MESQUITE	TO REMAIN
2023	13 MESQUITE	TO REMAIN
2024	14 MESQUITE	TO REMAIN
2025	12 MESQUITE	TO REMAIN
2027	9 MESQUITE	TO REMAIN
2028	11 MESQUITE	TO REMAIN
2029	11 MESQUITE	TO REMAIN
2031	11 HACKBERRY	TO BE REMOVED
2032	13 WILLOW	TO BE REMOVED
2037	13 HACKBERRY	TO BE REMOVED
2041	11 HACKBERRY	TO BE REMOVED
2045	11 HACKBERRY	TO BE REMOVED
2046	17 MESQUITE	TO BE REMOVED
2047	12 WILLOW	TO BE REMOVED
2048	11 HACKBERRY	TO BE REMOVED
2049	12 MESQUITE	TO BE REMOVED
2050	16 MESQUITE	TO BE REMOVED
2058	25 MESQUITE	TO BE REMOVED
2099	10 HACKBERRY	TO BE REMOVED
2100	20 HACKBERRY	TO REMAIN
2101	10 HACKBERRY	TO REMAIN
2102	9 HACKBERRY	TO REMAIN
2103	10 MESQUITE	TO REMAIN
2104	12 HACKBERRY	TO REMAIN
2105	12 HACKBERRY	TO REMAIN
2106	13 HACKBERRY	TO REMAIN
2107	11 HACKBERRY	TO REMAIN
2108	13 MESQUITE	TO REMAIN
2109	10 MESQUITE	TO BE REMOVED
2110	10 HACKBERRY	TO BE REMOVED*

NOTE:
TREES ON LIST WITH A LINE THROUGH THEM WERE SURVEYED, BUT ARE EITHER NOT ON PROPERTY, WITHIN RIGHT OF WAY DEDICATION, WITHIN DRAINAGE EASEMENT OR EXEMPT SPECIES

*TREE WITHIN EXISTING CITY OF SAN ANTONIO RIGHT OF WAY, TO BE REMOVED DUE TO ADDITION OF FISCHER ROAD RIGHT TURN LANE

VALE SOL SUBDIVISION TREE A/P # 2876536-2627558 TREE PRESERVATION PLAN

LENNAR HOMES
1922 DRY CREEK WAY
SAN ANTONIO, TX 78259

REV	DATE	DESCRIPTION	BY
1	01/28/2021	VALE SOL UNIT 1 AND TREE REVIEWER COMMENTS	WPF
2	01/28/2021	FISCHER SP (CON-RP-APP21-386293)	JWH
3	07/02/2021	MAP MAJOR AMENDMENT 21-110030	NFU

UP ENGINEERING
11903 JONES WATSEBERGER, SUITE 102
SAN ANTONIO, TX 78216 TEL 210-774-5504
WWW.OPENINGTIBELS.COM F-10194606

NATASHA UHLRICH
89502
STATE OF TEXAS
PROFESSIONAL ENGINEER

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SITE SUMMARY

TREE PRESERVATION SUMMARY	TOTAL INCHES	TOTAL INCHES TO REMAIN	TOTAL INCHES TO REMOVE	TOTAL INCHES PRESERVED
SIGNIFICANT TREE	150	0	150	0.0%
HERITAGE TREE (1:1)	25	0	25	0.0%
HERITAGE TREE (3:1)	0	0	0	0.0%
SITE GRAND TOTAL	175	0	175	0.0%

TREE CANOPY SUMMARY	TOTAL CANOPY	TOTAL CANOPY TO REMAIN	TOTAL CANOPY TO REMOVE	TOTAL CANOPY PRESERVED
SIGNIFICANT TREE	9,525	0	9,525	0.0%
HERITAGE TREE (1:1)	550	0	550	0.0%
HERITAGE TREE (3:1)	0	0	0	0.0%
SITE GRAND TOTAL	10,075	0	10,075	0.0%

TOTAL SITE (ACRES)	122.1
TOTAL NUMBER OF LOTS	658
TYPE OF PROJECT	Residential

TREE PRESERVATION CALCULATIONS

SIGNIFICANT TREES:	
TOTAL INCHES ¹	150
INCHES REMOVED.....	150
INCHES PRESERVED.....	0
TOTAL PERCENTAGE PRESERVED.....	0%
REQUIRED PRESERVATION 35%.....	53
REMAINING INCHES TO MITIGATE.....	53
EXCESS INCHES.....	0

HERITAGE TREES:	
TOTAL INCHES.....	25
INCHES REMOVED.....	25
INCHES PRESERVED.....	0
TOTAL PERCENTAGE PRESERVED.....	0%
REQUIRED PRESERVATION (1:1) ¹	25
REQUIRED PRESERVATION (3:1) ¹	0
REMAINING INCHES TO MITIGATE.....	25

EXISTING ROW TREES TO BE REMOVED	
TOTAL INCHES.....	20
INCHES REMOVED.....	20
INCHES TO MITIGATE.....	20

TOTAL INCHES TO MITIGATE	
TOTAL REQUIRED MITIGATION.....	98
TOTAL INCHES MITIGATED.....	987
SUBTOTAL INCHES MITIGATED.....	987
Energy Credit Trees Planted	658
Caliper of Additional Trees	1.5

TREE CANOPY CALCULATIONS

TOTAL SITE (ACRES).....	122.10
TOTAL SITE (SF).....	5,318,676
REQUIRED CANOPY PRESERVATION 38%.....	2,021,097
EXISTING CANOPY TO REMAIN.....	0
REQUIRED CANOPY TO BE PLANTED.....	2,021,097

TOTAL CANOPY TO BE PLANTED.....	2,080,665
CANOPY TO BE PLANTED NO ENERGY CREDIT.....	1,228,815

$(658 \text{ LOTS}) \times (1 \text{ TREE}) \times (875 \text{ SHADE VALUE}) \times (0.9) + (658 \text{ LOTS}) \times (1 \text{ TREE}) \times (1200 \text{ SHADE VALUE}) \times (0.9)$	
Total Number of Lots	658
Number of Trees per Lot	1
Shade Value Per Tree on Lot	875

CANOPY TO BE PLANTED ENERGY CREDIT.....	
$(488 \text{ ENERGY CREDIT TREES}) \times (875 \text{ SHADE VALUE PER TREE}) \times (0.9) \times 1.5 + (170 \text{ ENERGY CREDIT TREES}) \times (1200 \text{ SHADE VALUE PER TREE}) \times (0.9) \times 1.5$	
Number of Energy Credit Trees	488
Shade Value Per Tree	875

CANOPY TO BE PLANTED ENERGY CREDIT.....	
$(488 \text{ ENERGY CREDIT TREES}) \times (875 \text{ SHADE VALUE PER TREE}) \times (0.9) \times 1.5 + (170 \text{ ENERGY CREDIT TREES}) \times (1200 \text{ SHADE VALUE PER TREE}) \times (0.9) \times 1.5$	
Number of Energy Credit Trees	488
Shade Value Per Tree	875

ACTUAL TREE CANOPY BEING MET.....	39.1%
$(\text{TOTAL CANOPY TO BE PLANTED}) + (\text{EXISTING CANOPY TO REMAIN}) / (\text{TOTAL SITE (SF)})$	
$(2,080,665 \text{ SF PLANTED}) + (0 \text{ SF EXISTING}) / (5,318,676 \text{ SF})$	

NOTES:
(1) Ash, Juniper, Huisache, Mesquite, Arizona Ash, Hackberry protected at 10" dbh and m³ tagged at 1:1 for Heritage trees
(2) Heritage Trees, other than those mentioned above, shall be mitigated at 1:1
(3) Min 1.5" caliper trees shall be planted

Tree Inventory Worksheet to Determine Preservation and Canopy Shade Coverage						SIGNIFICANT TREE 6"-23.5"		HERITAGE TREE (1:1) Greater Than 23.5"		SIGNIFICANT TREE 6"-23.5"		HERITAGE TREE (1:1) Greater Than 23.5"	
TREE TAG #	SPECIES	TOTAL INCHES	SHADE VALUE	CATEGORY	STATUS	REMOVED INCHES	PRESERVED INCHES	REMOVED INCHES	PRESERVED INCHES	REMOVED CANOPY	PRESERVED CANOPY	REMOVED CANOPY	PRESERVED CANOPY
2012	MESQUITE	12	550	SIGNIFICANT TREE	TO BE REMOVED	12				550			
2013	MESQUITE	12	550	SIGNIFICANT TREE	TO BE REMOVED	12				550			
2014	MESQUITE	14	550	SIGNIFICANT TREE	EASEMENT								
2015	MESQUITE	20	550	SIGNIFICANT TREE	EASEMENT								
2016	MESQUITE	11	550	SIGNIFICANT TREE	EASEMENT								
2017	MESQUITE	12	550	SIGNIFICANT TREE	EASEMENT								
2018	MESQUITE	14	550	SIGNIFICANT TREE	EASEMENT								
2019	MESQUITE	13	550	SIGNIFICANT TREE	EASEMENT								
2020	MESQUITE	15	550	SIGNIFICANT TREE	EASEMENT								
2021	MESQUITE	11	550	SIGNIFICANT TREE	EASEMENT								
2022	MESQUITE	15	550	SIGNIFICANT TREE	EASEMENT								
2023	MESQUITE	13	550	SIGNIFICANT TREE	EASEMENT								
2024	MESQUITE	14	550	SIGNIFICANT TREE	EASEMENT								
2026	MESQUITE	12	550	SIGNIFICANT TREE	EASEMENT								
2027	MESQUITE	9	550	SIGNIFICANT TREE	EASEMENT								
2028	MESQUITE	11	550	SIGNIFICANT TREE	EASEMENT								
2029	MESQUITE	11	550	SIGNIFICANT TREE	EASEMENT								
2031	HACKBERRY	11	875	SIGNIFICANT TREE	TO BE REMOVED	11				875			
2032	WILLOW	12	875	SIGNIFICANT TREE	TO BE REMOVED	12				875			
2037	HACKBERRY	13	875	SIGNIFICANT TREE	TO BE REMOVED	13				875			
2041	HACKBERRY	11	875	SIGNIFICANT TREE	TO BE REMOVED	11				875			
2045	HACKBERRY	11	875	SIGNIFICANT TREE	TO BE REMOVED	11				875			
2046	MESQUITE	17	550	SIGNIFICANT TREE	TO BE REMOVED	17				550			
2047	WILLOW	12	875	SIGNIFICANT TREE	TO BE REMOVED	12				875			
2093	HACKBERRY	11	875	SIGNIFICANT TREE	TO BE REMOVED	11				875			
2095	MESQUITE	12	550	SIGNIFICANT TREE	EASEMENT								
2096	MESQUITE	20	550	SIGNIFICANT TREE	EASEMENT								
2097	HACKBERRY	18	875	SIGNIFICANT TREE	TO BE REMOVED	18				875			
2098	MESQUITE	25	550	HERITAGE TREE (1:1)	TO BE REMOVED			25				550	
2099	HACKBERRY	10	875	SIGNIFICANT TREE	TO BE REMOVED	10				875			
2100	HACKBERRY	20	875	SIGNIFICANT TREE	EASEMENT								
2101	HACKBERRY	10	875	SIGNIFICANT TREE	EASEMENT								
2102	HACKBERRY	9	875	SIGNIFICANT TREE	NOT ON PROPERTY								
2103	MESQUITE	10	550	SIGNIFICANT TREE	NOT ON PROPERTY								
2104	HACKBERRY	12	875	SIGNIFICANT TREE	NOT ON PROPERTY								
2105	HACKBERRY	12	875	SIGNIFICANT TREE	NOT ON PROPERTY								
2106	HACKBERRY	13	875	SIGNIFICANT TREE	NOT ON PROPERTY								
2107	HACKBERRY	11	875	SIGNIFICANT TREE	NOT ON PROPERTY								
2108	MESQUITE	13	550	SIGNIFICANT TREE	NOT ON PROPERTY								
2109	MESQUITE	10	550	SIGNIFICANT TREE	ROW TO BE REMOVED								
2110	HACKBERRY	10	875	SIGNIFICANT TREE	ROW TO BE REMOVED								
TOTAL						150	0	25	0	9525	0	550	0

VALE SOL SUBDIVISION

TREE A/P # 2876536-2627558

TREE PRESERVATION PLAN

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