

ABBREVIATIONS:

The following abbreviations were used in the comment column. Number in (#) refer to plant requirements for preserved in place or salvaged

- BL broken limbs - tree has significant broken branches  
MU multi-trunk, no single defined trunk  
LB low branch, unable of preserving low branch for salvage or relocate  
DW dead wood significant limb dieback  
IN infestation of insect, damage to main limbs  
MT mistletoe infection of main limbs  
PF poor form tree leaning or structure not supportive of vegetation  
SO soils are loose and rocky, salvage will be difficult  
SZ size of the tree, either spread, caliper or height is not conducive to salvage  
PIP preserved in place  
TOS transplant on site  
RFS remove from site

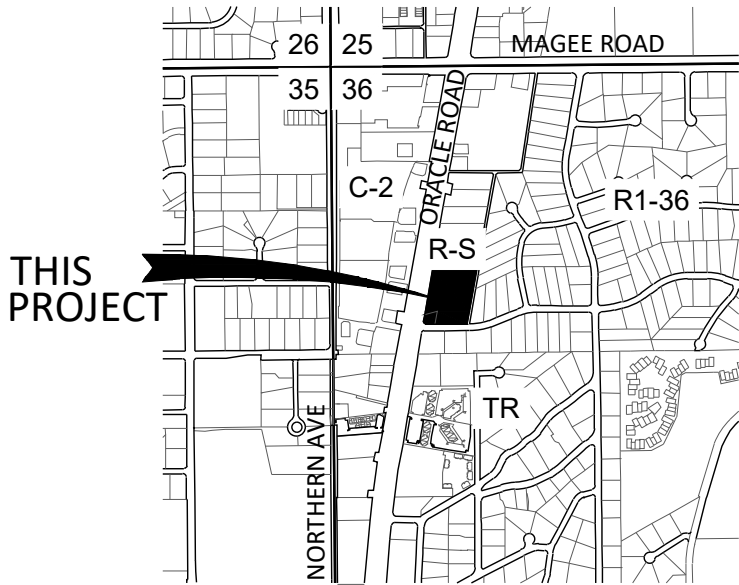
- NPPO LEGEND**  
[Symbol] Preserve in place (PIP)  
[Symbol] Velvet Mesquite  
[Symbol] Foothill Palo Verde  
[Symbol] Blue Palo Verde  
[Symbol] Whitethorn Acacia  
[Symbol] Catclaw Acacia  
[Symbol] Hackberry  
[Symbol] Saguaro  
[Symbol] Barrel Cactus  
[Symbol] Graythorn  
[Symbol] Significant vegetation  
[Symbol] High density (not present)  
[Symbol] Medium density  
[Symbol] Vegetation facilitates soil stabilization

# SITE RESOURCE INVENTORY KEY NOTES

- Property line
- Existing Town of Oro Valley monument sign
- Existing culvert
- Previous site disturbance
- Significant vegetation
- Medium plant density area
- Vegetation facilitates soil stabilization

Number	Scientific Name	Common Name	Size - Height	Size - Caliper	Viability	Transplantability	Comments	Disposition	Sig. Vegetation	Mitigate	Reason for no mitigation
41	Parkinsonia florida	Blue Palo Verde	24' 14"	M	L	SZ		RFS	YES	YES	
42	Parkinsonia florida	Blue Palo Verde	24' 14"	L	L	SZ/MT/DW		RFS	YES	NO	POOR HEALTH
45	Parkinsonia florida	Blue Palo Verde	24' 14"	M	L	SZ/MT/DW		RFS	YES	YES	
48	Prosopis velutina	Velvet Mesquite	23' 14"	M	L	MT/DW/SZ		RFS	YES	YES	
50	Parkinsonia florida	Blue Palo Verde	24' 14"	L	L	SZ/MT/DW/BL/TD/IN		RFS	YES	NO	POOR HEALTH
61	Parkinsonia florida	Blue Palo Verde	26' 20"	M	L	SZ/DW/LB/MT		PIP	YES	-	
76	Prosopis velutina	Velvet Mesquite	21' 13"	L	L	MT/DW/SZ/IN		RFS	YES	NO	POOR HEALTH
98	Parkinsonia florida	Blue Palo Verde	20' 14"	M	L	SZ/DW/LB/MT		RFS	YES	YES	
116	Parkinsonia microphylla	Foothill Palo Verde	20' 12"	M	L	DW/LB/DW		RFS	YES	YES	
138	Prosopis velutina	Velvet Mesquite	16' 12"	L	L	MT/DW/IN/MU/LB		RFS	YES	NO	POOR HEALTH
167	Parkinsonia microphylla	Foothill Palo Verde	18' 13"	M	L	DW/SZ/MU		RFS	YES	YES	
300	Prosopis velutina	Velvet Mesquite	30' 32"	M	L	LB/DW/MT/MU/SZ		PIP	YES	-	
390	Parkinsonia florida	Blue Palo Verde	20' 12"	M	L	DW/LB/SO		RFS	YES	YES	
521	Parkinsonia microphylla	Foothill Palo Verde	20' 14"	M	L	DW/LB/MU		RFS	YES	YES	
534	Parkinsonia microphylla	Foothill Palo Verde	16' 12"	L	L	DW/LB/MU/MT		RFS	YES	NO	POOR HEALTH
544	Prosopis velutina	Velvet Mesquite	20' 14"	M	L	DW/LB/MU		PIP	YES	-	
546	Parkinsonia microphylla	Foothill Palo Verde	18' 14"	M	L	DW/LB/MU		PIP	YES	-	
563	Parkinsonia microphylla	Foothill Palo Verde	20' 14"	L	L	DW/LB/MT		RFS	YES	NO	POOR HEALTH
596	Prosopis velutina	Velvet Mesquite	20' 14"	M	L	DW/LB/MT		RFS	YES	YES	
633	Parkinsonia microphylla	Foothill Palo Verde	21' 14"	L	L	DW/LB/MT		PIP	YES	-	
656	Parkinsonia microphylla	Foothill Palo Verde	22' 14"	M	L	DW/LB/MT		RFS	YES	YES	

SIGNIFICANT VEGETATION MITIGATION				
Number Removed	Name	Mitigation Ratio	Replacement Plants	Understory Required
4	Parkinsonia florida	2:1	8 (50% 48" box / 50% 36" box)	40
3	Parkinsonia microphylla	2:1	6 (50% 48" box / 50% 36" box)	30
2	Prosopis velutina	2:1	4 (50% 48" box / 50% 36" box)	20



IN THE SW 1/4 OF THE NW 1/4 OF SECTION 36, T. 12 S., R. 13 E., G. & S. R.M., CITY OF TUCSON, PIMA COUNTY, ARIZONA



EXISTING VEGETATION SUMMARY:

During the month of June of 2020, a site field study was performed for the proposed development at the Northeast corner of Oracle Road and Suffolk Drive. All native plant materials were surveyed per the Town of Oro Valley standards, as this plan highlights only the significant vegetation. The remaining native plant inventory will be provided following the Rezoning process.

The site is bound by major highway Oracle Road on the west, collector street Suffolk Drive on the south, alley and single family residential neighborhood on the east, and commercial development on the north.

These surrounding improvements have marginally impacted the site and existing vegetation. The largest impact has been made by the grading of roadside drainage adjacent to Oracle Road on the west end of the site. This area receives more water than the surrounding areas and has created a very densely vegetated area. Health may be higher, but the proximity between plants will pose a high risk from survival of proposed transplant trees. A major culvert is located under Oracle Road near the southern end of the west property line. This area has also increased collection of water, with the addition of higher concentration of sandy soils making the ability to transplant a rootball suitable for survival very difficult.

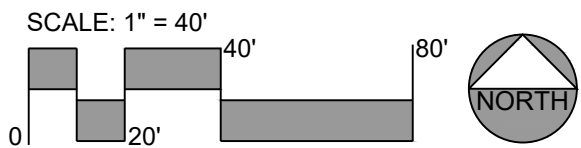
Overall, vegetation is uniform through out regarding species variation, density and concentration of plant materials accounting for disturbances and impacts noted above. The added concentration of flow has not appeared to enhance much of the existing vegetation due to existing terrain and velocity of flows coming off mountain, road and through the culvert. No significant bank can be found with this relatively new drainage structure. Some larger trees can be found along the west and south property lines where it appears road work has directed run-off and aiding in retention of some flow improving plant development.

No major rock out-cropping occur on site and surface rock appears to be foreign material brought in for erosion control at the culvert. Site soil is alluvial, refer to additional information provided by civil and soils reports.

Core Resource Areas and Distinct Native Plant Stands have been defined by The Town of Oro Valley as the character corridor setback along Oracle Road. The following species are found on site:

- |                          |                                   |
|--------------------------|-----------------------------------|
| Acacia constricta        | Whitethorn acacia                 |
| Acacia greggii           | Catclaw acacia                    |
| Carnegiea gigantea       | Saguaro                           |
| Celtis pallida           | Desert hackberry                  |
| Ferocactus wislizenii    | Barrel cactus                     |
| Parkinsonia florida      | Blue paloverde                    |
| Parkinsonia micophylla   | Foothills paloverde               |
| Prosopis velutina        | Velvet mesquite                   |
| Ziziphus obtusifolia     | Graythorn                         |
| Ambrosia deltoidea       | Triangle leaf bursage             |
| Ericameria laricifolia   | Turpentine bush                   |
| Encelia farinose         | Brittlebush                       |
| Optunia sp               | Cholla/ Prickly pear              |
| Psilostrophe cooperi     | Paper Flower                      |
| and other upland Sonoran | Desert scrub perennials and forbs |

No ironwoods were found on site. 15 saguaros were found, 13 of the 15 are under 5' tall. The associated plan identifies all protected plant materials per Oro Valley's Native plant preservation requirements. We found 21 trees to be considered as significant vegetation with potentially 15 found within the tentative development plan improvement areas. Additional evaluation and mitigation shall be completed with the native plant preservation submittal during final design review.



site address:  
PARCEL #225-51-018A & 225-51-4720  
TUCSON, ARIZONA 85704

legal description:  
BEING A DEVELOPMENT OF LOT 7 OF SUFFOLK HILLS, LOTS 1-44, 1A, 1B, BLOCKS A AND B, AS RECORDED IN MAPS AND PLATS 13/18, LOCATED IN SECTION 36, T12S, R13E, G&SRB&M, PIMA COUNTY, ARIZONA

project description:

NEC ORACLE & SUFFOLK



SITE RESOURCE INVENTORY

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www.arcstudiosinc.com

date:  
2020.12.09  
project # -  
01-20034

SRI

1 of 1 Sheets