



LANDSCAPE PLAN

LANDSCAPE CALCULATIONS CON'T

REQUIRED LIVE PLANT MATERIAL IN OPEN SPACE: 10,925 x .50 = 5463 SF.
PROVIDED LIVE PLANT MATERIAL IN OPEN SPACE: 7,420 SF.

PLANT LEGEND						
COL	COMMON NAME:	BOTANICAL NAME	SIZE	QNT	AREA	
1						
2						
3	EXISTING TREE			2	100	200
4	EXISTING PALM			3	100	300
5	PALO BREA	Parkinsonia praecox	36" BOX 24" BOX 15 GAL.	- 4 1	100 100	400 100
6	THORNLESS MESQUITE	Prosopis hybrid 'thornless'	36" BOX 24" BOX 15 GAL.	1 3 2	100 100 100	100 300 200
7	DESERT WILLOW	Chilopsis linearis	36" BOX 24" BOX 15 GAL.	- 2 3	100 100	200 300
SHRUBS / GROUND COVER AND ACCENTS						
COL	COMMON NAME:	BOTANICAL NAME	SIZE	QNT	AREA	
8	EXISTING SHRUB			33	25	825
9	BAJA RUELLIA	Ruellia peninsularis	5 GAL.	36	25	900
10	RED YUCCA	Hesperaloe parvifolia	5 GAL.	17	25	425
11	NATAL PLUM	Carissa macrocarpa bonwood beauty	1 GAL.	15	10	150
12	DWARF BOTTLE BRUSH	Callistemon citrinus little john	5 GAL.	17	10	170
13	BAJA FAIRY DUSTER	Calliandra californica	1 GAL.	30	10	300
14	SILVER CLOUD SAGE	Leucophyllum candicans	5 GAL.	10	25	250
15	SIERRA APRICOT	Tecoma x sierra apricot	5 GAL.	17	25	425
16	YELLOW TRAILING LANTANA	Lantana montevidensis 'yellow'	1 GAL.	34	25	850
17	PURPLE TRAILING LANTANA	Lantana montevidensis 'purple'	1 GAL.	17	25	425
TOTAL AREA					2400 SF	
NOTES						
1	LINE OF SIGHT DISTANCE TRIANGLE. DENOTES AREA TO BE FREE OF OBSTRUCTIONS TO VISION BETWEEN 2.5 FEET AND 8 FEET ABOVE THE SIDEWALK. POSTED SPEED LIMIT IS 45 MPH. REQUIRED SIGHT DISTANCE IS BASED ON 50 MPH PER FIGURE 2.3 OF MESA ENGINEERING AND DESIGN STANDARDS 2021.					
LANDSCAPE CALCULATIONS						
YARDS ADJACENT TO STREET						
REQUIRED FRONTAGE LANDSCAPING: (SOUTHERN AVE)				163/25 = 7 TREES 7 x 6 = 42 SHRUBS		
PROVIDED FRONTAGE LANDSCAPING: (SOUTHERN AVE)				7 TREES 50 SHRUBS		
INTERIOR YARDS						
REQUIRED NON/RES TO NON/RES LANDSCAPING: (WEST PROPERTY LINE)				234/33 = 7 TREES (234/100) x 20 = 47 SHRUBS		
PROVIDED NON/RES TO NON/RES LANDSCAPING: (WEST PROPERTY LINE)				7 TREES 47 SHRUBS		
REQUIRED NON/RES TO NON/RES LANDSCAPING: (EAST PROPERTY LINE)				164/33 = 5 TREES (164/100) x 20 = 33 SHRUBS		
PROVIDED NON/RES TO NON/RES LANDSCAPING: (EAST PROPERTY LINE)				5 TREES 35 SHRUBS		
REQUIRED NON/RES TO NON/RES LANDSCAPING: (SOUTH PROPERTY LINE)				113/33 = 3 TREES (113/100) x 20 = 23 SHRUBS		
PROVIDED NON/RES TO NON/RES LANDSCAPING: (SOUTH PROPERTY LINE)				3 TREES 23 SHRUBS		
TOTAL NO. OF TREES REQUIRED:				22		
36" BOX REQUIRED:				22 x 25 = 6 TREES		
24" BOX REQUIRED:				22 x 50 = 11 TREES		
36" BOX PROVIDED:				6 (1 NEW 5 EXISTING)		
24" BOX PROVIDED:				11		
TOTAL NO. OF SHRUBS REQUIRED:				145		
TOTAL NO. OF SHRUBS PROVIDED:				221		
5 GAL. PROVIDED:				128 (128/145 = 88%)		
FOUNDATION BASE						
REQUIRED FOUNDATION BASE LANDSCAPING DISTANCE: (ADJACENT TO PUBLIC ENTRANCE)				15 FEET		
PROVIDED FOUNDATION BASE LANDSCAPING DISTANCE: (ADJACENT TO PUBLIC ENTRANCE)				15 FEET		
REQUIRED FOUNDATION BASE LANDSCAPING TREES: 1 TREE PER 50 FEET OF EXTERIOR WALL LENGTH				1 TREE		
PROVIDED FOUNDATION BASE LANDSCAPING TREES: (TREE WITHIN 50 FEET PER M20 11-33-5(B.1))				1 TREE		
AVERAGE DEPTH OF FOUNDATION BASE PER 11-33-5.4.3 (AT REAR OF BUILDING ADJACENT TO DRIVE AISLE) AREA PROVIDED				5 x 18 = 90 SF 103 SF		

HITCHENS ASSOCIATES		ARCHITECTS		TELEPHONE:	
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REVISIONS

3	10-6-22	city revisions



6941 E. SOUTHERN AVE
MESA, ARIZONA

PROJECT NO:	22209
DRAWN BY:	GLH
DATE:	6-30-2022

LANDSCAPE PLAN

L-1