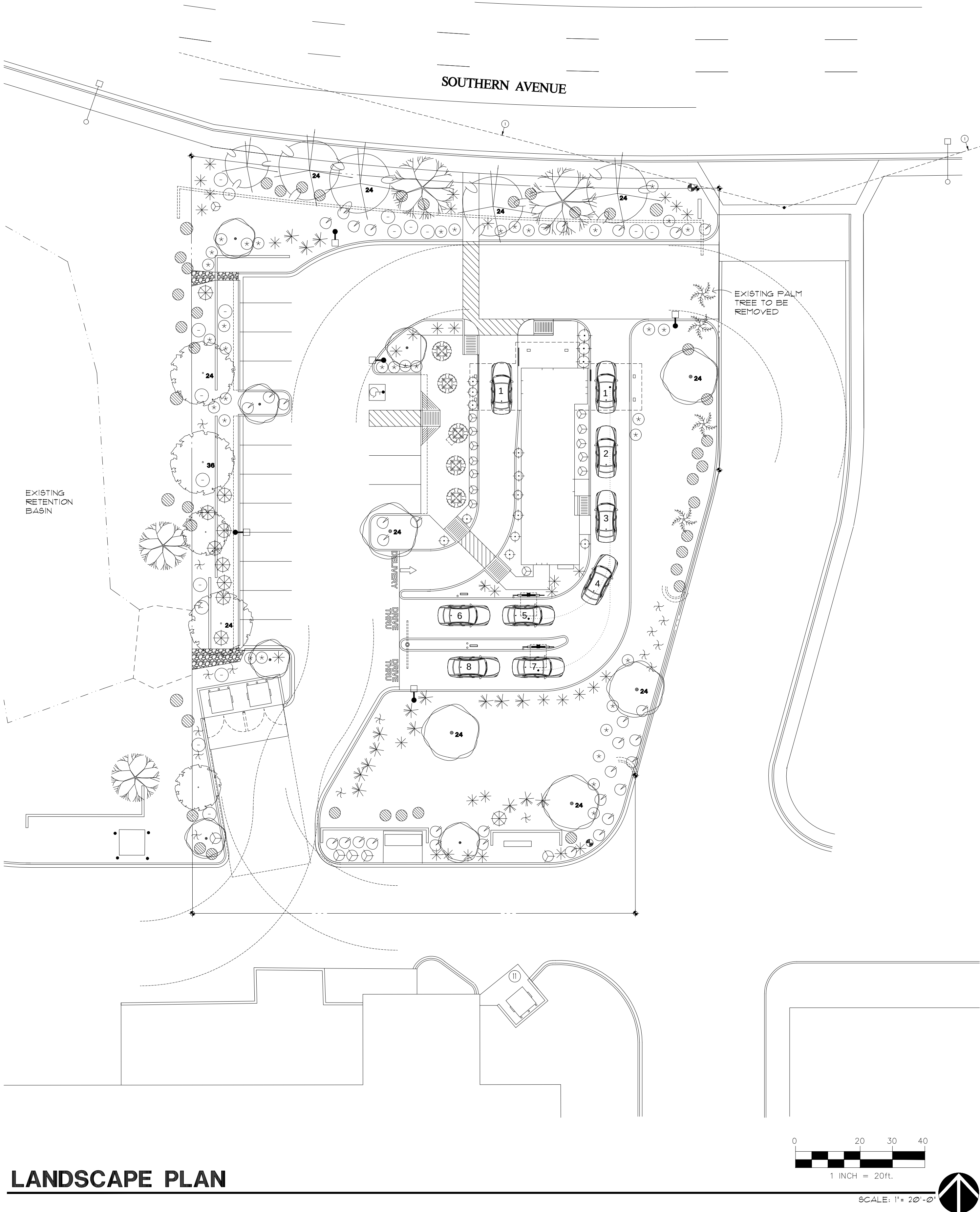


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LANDSCAPE PLAN

LANDSCAPE CALCULATIONS con't

REQUIRED LIVE PLANT MATERIAL IN OPEN SPACE: 10,925 x 50 = 5463 SF.
PROVIDED LIVE PLANT MATERIAL IN OPEN SPACE: 1,420 SF.

PLANT LEGEND

SYMBOL	COMMON NAME:	BOTANICAL NAME	SIZE	QNT	AREA	
TREES						
	EXISTING TREE			2	100	200
	EXISTING PALM			3	100	300
	PALO BREA	Parkinsonia praecox	36" BOX 24" BOX 15 GAL.	- 4 1	100 100	400 100
	THORNLESS MESQUITE	Prosopis hybrid 'thornless'	36" BOX 24" BOX 15 GAL.	1 3 2	100 100 100	100 300 200
	DESERT WILLOW	Chilopsis linearis	36" BOX 24" BOX 15 GAL.	- 2 3	100 100	200 300

SHRUBS / GROUND COVER AND ACCENTS

SYMBOL	COMMON NAME:	BOTANICAL NAME	SIZE	QNT	AREA	
	EXISTING SHRUB			33	25	825
	BAJA RUELLIA	Ruellia peninsularis	5 GAL.	36	25	900
	RED YUCCA	Hesperaloe parvifolia	5 GAL.	17	25	425
	NATAL PLUM	Carissa macrocarpa boxwood beauty	1 GAL.	15	10	150
	DWARF BOTTLE BRUSH	Callistemon citrinus little john	5 GAL.	17	10	170
	BAJA FAIRY DUSTER	Calliandra californica	1 GAL.	30	10	300
	SILVER CLOUD SAGE	Leucophyllum candidum	5 GAL.	10	25	250
	SIERRA APRICOT TECOMA	Tecoma x sierra apricot	5 GAL.	17	25	425
	YELLOW TRAILING LANTANA	Lanata montevidensis 'yellow'	1 GAL.	34	25	850
	PURPLE TRAILING LANTANA	Lanata 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 25 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

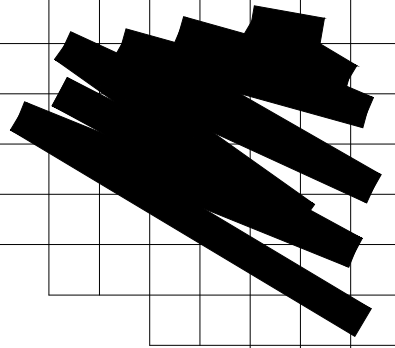
TOTAL NO. OF TREES REQUIRED:	22
36" BOX REQUIRED:	22 x 25 = 6 TREES
24" BOX REQUIRED:	22 x 50 = 11 TREES
36" BOX PROVIDED:	6 (1 NEW 5 EXISTING)
24" BOX PROVIDED:	11
TOTAL NO. OF SHRUBS REQUIRED:	145
TOTAL NO. OF SHRUBS PROVIDED:	221
5 GAL. PROVIDED:	128 (128/145 = 88%)

FOUNDATION BASE	
REQUIRED FOUNDATION BASE LANDSCAPING DISTANCE:	15 FEET (ADJACENT TO PUBLIC ENTRANCE)
PROVIDED FOUNDATION BASE LANDSCAPING DISTANCE:	15 FEET (ADJACENT TO PUBLIC ENTRANCE)

REQUIRED FOUNDATION BASE LANDSCAPING TREES:	1 TREE
1 TREE PER 50 FEET OF EXTERIOR WALL LENGTH	
PROVIDED FOUNDATION BASE LANDSCAPING TREES:	1 TREE
(TREE WITHIN 50 FEET PER MZO 11-33-5(B.1))	

AVERAGE DEPTH OF FOUNDATION BASE PER 11-33-5-B.3 (AT REAR OF BUILDING ADJACENT TO DRIVE AISLE)	5 x 18 = 90 SF
AREA PROVIDED	103 SF

HITCHENS ASSOCIATES
ARCHITECTS



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