

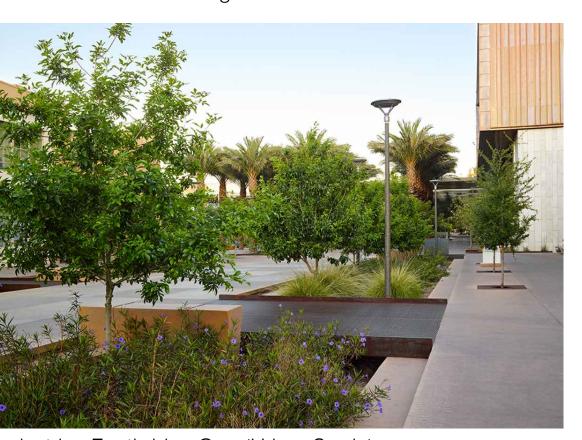
SEE MATERIALS SCHEDULE FOR BOARD FORM WALL DETAILS



Board Formed Concrete Terrace Walls



Desert 'Pavement' Planting Area



Pedestrian Footbridge Over 'Urban Swale'



Stormwater Diffusion Channel/Planters



Westside Terrace Accent Seating

# descriptive notes

**general** notes

The open plan of the various Southeast Mesa Library programs allows for multiple entry points and breakout spaces. Beginning with the entry plaza addressing the street, the tree-lined parking court offers a shady venue for book fairs, library breakout spaces, and emotes accessibility. Cars can move through the plaza for book drop-off, visitor drop-off, and accessible parking. The main entrance on the east side offers a direct connection to the adjacent street and neighborhood beyond the on-site parking. The library approach from the existing parking to the south moves through both riparian and pollinator gardens as visitors traverse the terraces and patio spaces leading to the south entrance. Accessible from both inside the library and outside by the public at-large, these terrace spaces can be activated in various ways, as well as providing circulation around the Southeast Mesa Library site. The entrance on the west side is more informal and park-like, creating a link to the school, playgrounds, and open lawn. The west terraces step down to the existing open green to create an elevated meadow edge overlooking the lawn.

#### LID/Water Narrative:

landscape enhances the quality of patios, plazas, parking, and play spaces. Following this comprehensive stormwater management vision, low-impact development (LID) can meet water quantity and quality requirements while simultaneously promoting the experience and lowering the maintenance.

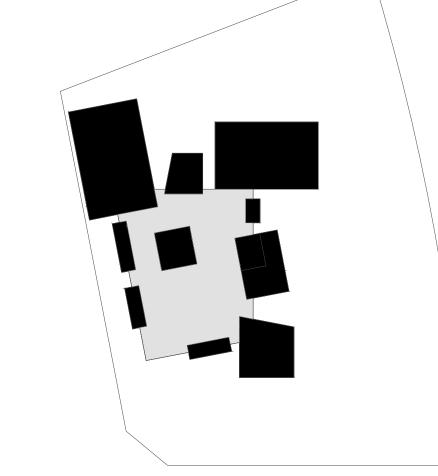
The two major surface areas on the site, the roof and the parking/plaza spaces, catch, direct, and promote infiltration of water to bioswales, riparian areas, and landscape trees. Small basins and swales around the site spread the retention requirements around to allow these areas to be more natural parts of the site landscape and to augment the irrigation water for the trees.

The plaza swale features, riparian terraces, and textures of the various porous and permeable surfaces, work to keep water front and center, not out-of-sight, out-of-mind. The Southeast Mesa Library site embraces the processes and educational components of stormwater collection as well as the landscape and water quality benefits. Flush paving on all sides of the 'Sunrise Plaza' promotes water collection via various types of permeable paving that feather into planting areas and catch the water. Along the street and along the building two large 'urban swales' collect the remaining runoff, creating green borders to the plaza space.

The large roof structure folds into several catchment areas that funnel into three main areas at the south end of the library. Stormwater diffusion channels receive these flows and allow the water to be metered out into the landscape an garden areas where micro-basins and riparian planting utilize and filter the water before ultimately allowing it to overflow into the sites larger catchment areas.

# revisions schedule

rev#	description	date



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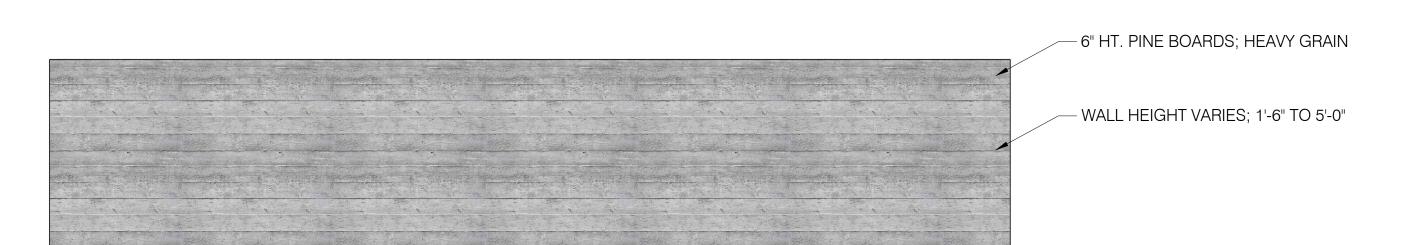
DESIGN REVIEW | 11/18/2022

LM101 LAYOUT & MATERIALS PLAN

SCALE: 1" = 20'-0"



RENDERED LANDSCAPE PLAN



TYPICAL BOARDFORM CONCRETE WALL ELEVATION



## descriptive notes

#### Site Narrati

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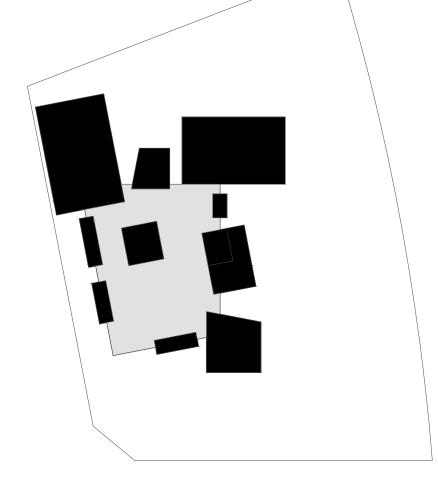




RICHÄRD

**KENNEDY** 

ARCHITECTS



0 10' 20' 4 SCALE: 1" = 20'-0"

### REFERENCE NOTES SCHEDULE

2 - WALLS & FENCES: DIVISION 32

8	<u>CODE</u> 1-01	1 - PAVING & SURFACING: DIVISION 32 DESCRIPTION DESERT PAVING	<u>QTY</u> SF	MANUFACTURER	COLOR	SIZE
	1-02	RIP RAP	SF	ROCK PROS	CARMEL	3"-8"
	1-03	DECOMPOSED GRANITE	SF	PIONEER SAND	SANTA FE BROWN	1/2" SCREENED

BOARD FORM POURED IN PLACE CONCRETE WALL 2,283 LF BOARD FORM

### **PLANT SCHEDULE**

THICKNESS

STANDARD GREY 6"HT PINE BOARD HEAVY GRAIN

TREES	BOTANICAL / COMMON NAME	SIZE
	DERMATOPHYLLUM SECUNDIFLORUM TEXAS MOUNTAIN LAUREL	24" BOX
	EUCALYPTUS PAPUANA GHOST GUM	36" BOX, 3" CAL
	EYSENHARDTIA ORTHOCARPA KIDNEYWOOD	24" BOX
	OLNEYA TESOTA DESERT IRONWOOD	36" BOX, 3" CAL
A CALLER OF THE	PARKINSONIA X 'DESERT MUSEUM' DESERT MUSEUM PALO VERDE	36" BOX, 3" CAL
	PHOENIX DACTYLIFERA DATE PALM	16` HT.
£	PROSOPIS GLANDULOSA 'MAVERICK' MAVERICK THORNLESS HONEY MESQUITE	36" BOX, 3" CAL
	QUERCUS FUSIFORMIS 'JOAN LIONETTI' JOAN LIONETTI TEXAS LIVE OAK	36" BOX, 3" CAL

(/////				
/	SUNRISE PLAZA XERIC	3,739 SF	4 0 4 1	150/ ( 70
	ASCLEPIAS TUBEROSA / BUTTERFLY MILKWEED BAILEYA MULTIRADIATA / DESERT MARIGOLD	17 11	1 GAL 1 GAL	15% @ 72" oc 10% @ 72" oc
	BOUVARDIA TERNIFOLIA / SCARLET BOUVARDIA	17	5 GAL	15% @ 72" oc
	CALYLOPHUS HARTWEGII / HARTWEG'S SUNDROPS	11	1 GAL	10% @ 72" oc
	HESPERALOE PARVIFLORA 'PERPA' / BRAKELIGHTS® RED YUCCA	15	5 GAL	13.34% @ 72" oc
	JUSTICIA CALIFORNICA / CHUPAROSA LANTANA X 'NEW GOLD' / NEW GOLD LANTANA	15 11	5 GAL 1 GAL	13.33% @ 72" oc 10% @ 72" oc
	SPHAERALCEA AMBIGUA 'LOUIS HAMILTON' / LOUIS HAMILTON GLOBEMALLOW	15	1 GAL	13.33% @ 72" oc
	SUNRISE PLAZA RIPARIAN	5,738 SF		
	ANISACANTHUS THURBERI / THURBER'S DESERT HONEYSUCKLE	34	5 GAL	20% @ 72" oc
	EPILOBIUM CANUM / CALIFORNIA FUCHSIA	34	5 GAL	20% @ 72" oc
	JUSTICIA SPICIGERA / MEXICAN HONEYSUCKLE OENOTHERA ELATA / HOOKER'S EVENING PRIMROSE	34 34	5 GAL 1 GAL	20% @ 72" oc 20% @ 72" oc
	TECOMA STANS ANGUSTATA / YELLOW BELLS	34	5 GAL	20% @ 72" oc
	POLLINATOR GARDEN XERIC	2,321 SF		
	ASCLEPIAS LATIFOLIA / BROADLEAF MILKWEED	9	1 GAL	5.35% @ 48" oc
	ASCLEPIAS TUBEROSA / BUTTERFLY MILKWEED BAILEYA MULTIRADIATA / DESERT MARIGOLD	9 9	1 GAL 1 GAL	5.35% @ 48" oc 5.83% @ 48" oc
	BERBERIS HAEMATOCARPA / RED BARBERRY	10	5 GAL	6.25% @ 48" oc
	BOUVARDIA TERNIFOLIA / SCARLET BOUVARDIA	9	5 GAL	5.36% @ 48" oc
	CUPHEA HYSSOPIFOLIA / FALSE HEATHER	9	1 GAL	5.83% @ 48" oc
	DALEA PULCHRA / SANTA CATALINA PRAIRIE CLOVER ERICAMERIA LARICIFOLIA 'AGUIRRE' / AGUIRRE TURPENTINE BUSH	9 10	3 GAL 5 GAL	5.36% @ 48" oc 6.25% @ 48" oc
	FOUQUIERIA SPLENDENS / OCOTILLO	1	15 GAL	2.5% @ 120" oc
	GAILLARDIA PULCHELLA / ANNUAL GAILLARDIA	8	SEED	5% @ 48" oc
	GLANDULARIA GOODDINGII / GOODDING'S VERBENA	9 10	1 GAL	5.84% @ 48" oc
	JUSTICIA CALIFORNICA / CHUPAROSA LEUCOPHYLLUM FRUTESCENS / TEXAS SAGE	10 10	5 GAL 5 GAL	6.25% @ 48" oc 6.25% @ 48" oc
	LINUM LEWISII 'BLUE FLAX' / BLUE FLAX	9	1 GAL	5.36% @ 48" oc
	OENOTHERA LINDHEIMERI / GAURA	9	1 GAL	5.36% @ 48" oc
	OENOTHERA SPECIOSA / MEXICAN EVENING PRIMROSE	9	1 GAL	5.36% @ 48" oc
	PLUMBAGO SCANDENS / MEXICAN PLUMBAGO SPHAERALCEA AMBIGUA 'LOUIS HAMILTON' / LOUIS HAMILTON GLOBEMALLOW	10 10	5 GAL 1 GAL	6.25% @ 48" oc 6.25% @ 48" oc
	POLLINATOR GARDEN RIPARIAN	604 SF		
	ALOYSIA GRATISSIMA / WHITEBRUSH	4	5 GAL	8.34% @ 48" oc
<u> </u>	ANISACANTHUS THURBERI / THURBER'S DESERT HONEYSUCKLE	4	5 GAL	8.33% @ 48" oc
	ASCLEPIAS ANGUSTIFOLIA / ARIZONA MILKWEED CALLIANDRA ERIOPHYLLA / FAIRY DUSTER	4 4	1 GAL 1 GAL	10% @ 48" oc 10% @ 48" oc
	CONOCLINIUM DISSECTUM 'BOOTHILL' / BOOTHILL MISTFLOWER	4	3 GAL	10% @ 48" oc
	EPILOBIUM CANUM / CALIFORNIA FUCHSIA	4	5 GAL	10% @ 48" oc
	HYPTIS EMORYI / DESERT LAVENDER	4	5 GAL	8.33% @ 48" oc
	JUSTICIA SPICIGERA / MEXICAN HONEYSUCKLE OENOTHERA ELATA / HOOKER'S EVENING PRIMROSE	4 4	5 GAL 1 GAL	8.34% @ 48" oc 10% @ 48" oc
	RUELLIA NUDIFLORA / MEXICAN PETUNIA	4	5 GAL	8.33% @ 48" oc
	TECOMA STANS ANGUSTATA / YELLOW BELLS	4	5 GAL	8.33% @ 48" oc
	RIPARIAN	3,670 SF		
	ASCLEPIAS ANGUSTIFOLIA / ARIZONA MILKWEED	48 48	1 GAL	20% @ 48" oc
	JUSTICIA SPICIGERA / MEXICAN HONEYSUCKLE PANICUM VIRGATUM 'HEAVY METAL' / HEAVY METAL SWITCH GRASS	48 48	5 GAL 5 GAL	20% @ 48" oc 20% @ 48" oc
	RUELLIA NUDIFLORA / MEXICAN PETUNIA	48	5 GAL	20% @ 48" oc
	ZEPHYRANTHES X 'PRAIRIE SUNSET' / PRAIRIE SUNSET RAIN LILY	48	1 GAL	20% @ 48" oc
D D D D	SUNSET MEADOW	7,209 SF		<b>6 </b> ( -
D D D D	AGAVE X 'BLUE GLOW' / BLUE GLOW AGAVE ARISTIDA PURPUREA / PURPLE THREEAWN	41 313	5 GAL 5 GAL	8.75% @ 48" oc
	BOUTELOUA CURTIPENDULA / SIDE OATS GRAMA	313 313	5 GAL 3 GAL	16.67% @ 24" oc 16.66% @ 24" oc
	FALLUGIA PARADOXA / APACHE PLUME	141	1 GAL	7.5% @ 24" oc
	FEROCACTUS WISLIZENI / FISH HOOK BARREL CACTUS	41	5 GAL	8.75% @ 48" oc
	HESPERALOE PARVIFLORA 'PERPA' / BRAKELIGHTS® RED YUCCA MUHLENBERGIA LINDHEIMERI / LINDHEIMER'S MUHLY	41 313	5 GAL 5 GAL	8.75% @ 48" oc 16.67% @ 24" oc
	PENSTEMON PALMERI / PALMER'S PENSTEMON	141	1 GAL	7.5% @ 24" oc
	YUCCA GLORIOSA / SPANISH DAGGER	41	5 GAL	8.75% @ 48" oc
	DESERT SHADE XERIC	8,080 SF		
0 0	AGAVE DESMETIANA / SMOOTH AGAVE	15	5 GAL	6.25% @ 72" oc
	CALYLOPHUS HARTWEGII / HARTWEG'S SUNDROPS CARNEGIEA GIGANTEA / SAGUARO	20 4	1 GAL 8` HT	8.33% @ 72" oc
	CUPHEA HYSSOPIFOLIA / FALSE HEATHER	20	1 GAL	3.75% @ 120" oc 8.33% @ 72" oc
	DASYLIRION WHEELERI / GREY DESERT SPOON	9	5 GAL	6.25% @ 96" oc
	FOUQUIERIA SPLENDENS / OCOTILLO	4	15 GAL	3.75% @ 120" oc
	GLANDULARIA GOODDINGII / GOODDING'S VERBENA	20 15	1 GAL	8.34% @ 72" oc
	LANTANA MONTEVIDENSIS / PURPLE TRAILING LANTANA LANTANA X 'NEW GOLD' / NEW GOLD LANTANA	15 15	1 GAL 1 GAL	6.25% @ 72" oc 6.25% @ 72" oc
	LEUCOPHYLLUM FRUTESCENS / TEXAS SAGE	24	5 GAL	10% @ 72" oc
	MIRABILIS MULTIFLORA / COLORADO FOUR O'CLOCK	15	1 GAL	6.25% @ 72" oc
	OENOTHERA LINDHEIMERI / GAURA	15 24	1 GAL	6.25% @ 72" oc
	PEDILANTHUS BRACTEATUS / SLIPPER PLUMBAGO SCANDENS / MEXICAN PLUMBAGO	24 24	5 GAL 5 GAL	10% @ 72" oc 10% @ 72" oc
	DESERT SHADE RIPARIAN	3,185 SF		
	ERIOGONUM FASCICULATUM / CALIFORNIA BUCKWHEAT	19	5 GAL	20% @ 72" oc
, , , , , , , ,	FALLLIGIA PARADOXA / APACHE PLLIME	13	1 GAI	13 3/1% @ 72" 00

FALLUGIA PARADOXA / APACHE PLUME

YUCCA GLORIOSA / SPANISH DAGGER

GOSSYPIUM THURBERI / THURBER'S COTTON

TRADESCANTIA OCCIDENTALIS / PRAIRIE SPIDERWORT

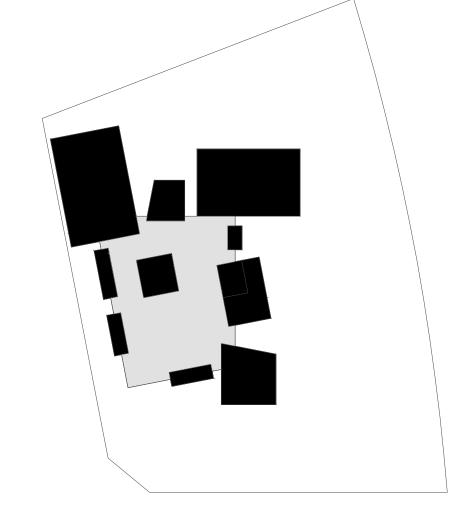
RUELLIA NUDIFLORA / MEXICAN PETUNIA

general	note
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0 10' 20' SCALE: 1" = 20'-0"

13 1 GAL 13.34% @ 72" oc

19 5 GAL 20% @ 72" oc

13 5 GAL 13.33% @ 72" oc

5 GAL 20% @ 72" oc

1 GAL 13.33% @ 72" oc

4450 NORTH 12TH STREET SUITE TWO HUNDRED PHOENIX AZ 85014 USA

RICHÄRD KENNEDY ARCHITECTS 602.264.1955 RKARCH.COM



LP001 **PLANTING SCHEDULE** 

### **CONCEPT PLANT SCHEDULE**

SUNRISE PLAZA XERIC ASCLEPIAS TUBEROSA / BUTTERFLY MILKWEED BAILEYA MULTIRADIATA / DESERT MARIGOLD BOUVARDIA TERNIFOLIA / SCARLET BOUVARDIA CALYLOPHUS HARTWEGII / HARTWEG'S SUNDROPS HESPERALOE PARVIFLORA 'PERPA' / BRAKELIGHTS® RED YUCCA JUSTICIA CALIFORNICA / CHUPAROSA LANTANA X 'NEW GOLD' / NEW GOLD LANTANA SPHAERALCEA AMBIGUA 'LOUIS HAMILTON' / LOUIS HAMILTON GLOBEMALLOW



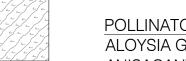
SUNRISE PLAZA RIPARIAN ANISACANTHUS THURBERI / THURBER'S DESERT HONEYSUCKLE EPILOBIUM CANUM / CALIFORNIA FUCHSIA

JUSTICIA SPICIGERA / MEXICAN HONEYSUCKLE OENOTHERA ELATA / HOOKER'S EVENING PRIMROSE TECOMA STANS ANGUSTATA / YELLOW BELLS



POLLINATOR GARDEN XERIC ASCLEPIAS LATIFOLIA / BROADLEAF MILKWEED ASCLEPIAS TUBEROSA / BUTTERFLY MILKWEED BAILEYA MULTIRADIATA / DESERT MARIGOLD BERBERIS HAEMATOCARPA / RED BARBERRY BOUVARDIA TERNIFOLIA / SCARLET BOUVARDIA CUPHEA HYSSOPIFOLIA / FALSE HEATHER DALEA PULCHRA / SANTA CATALINA PRAIRIE CLOVER ERICAMERIA LARICIFOLIA 'AGUIRRE' / AGUIRRE TURPENTINE BUSH FOUQUIERIA SPLENDENS / OCOTILLO GAILLARDIA PULCHELLA / ANNUAL GAILLARDIA GLANDULARIA GOODDINGII / GOODDING'S VERBENA JUSTICIA CALIFORNICA / CHUPAROSA LEUCOPHYLLUM FRUTESCENS / TEXAS SAGE LINUM LEWISII 'BLUE FLAX' / BLUE FLAX OENOTHERA LINDHEIMERI / GAURA OENOTHERA SPECIOSA / MEXICAN EVENING PRIMROSE PLUMBAGO SCANDENS / MEXICAN PLUMBAGO

SPHAERALCEA AMBIGUA 'LOUIS HAMILTON' / LOUIS HAMILTON GLOBEMALLOW



POLLINATOR GARDEN RIPARIAN

ALOYSIA GRATISSIMA / WHITEBRUSH ANISACANTHUS THURBERI / THURBER'S DESERT HONEYSUCKLE ASCLEPIAS ANGUSTIFOLIA / ARIZONA MILKWEED CALLIANDRA ERIOPHYLLA / FAIRY DUSTER CONOCLINIUM DISSECTUM 'BOOTHILL' / BOOTHILL MISTFLOWER EPILOBIUM CANUM / CALIFORNIA FUCHSIA HYPTIS EMORYI / DESERT LAVENDER JUSTICIA SPICIGERA / MEXICAN HONEYSUCKLE OENOTHERA ELATA / HOOKER'S EVENING PRIMROSE RUELLIA NUDIFLORA / MEXICAN PETUNIA TECOMA STANS ANGUSTATA / YELLOW BELLS



ASCLEPIAS ANGUSTIFOLIA / ARIZONA MILKWEED JUSTICIA SPICIGERA / MEXICAN HONEYSUCKLE PANICUM VIRGATUM 'HEAVY METAL' / HEAVY METAL SWITCH GRASS RUELLIA NUDIFLORA / MEXICAN PETUNIA ZEPHYRANTHES X 'PRAIRIE SUNSET' / PRAIRIE SUNSET RAIN LILY



SUNSET MEADOW AGAVE X 'BLUE GLOW' / BLUE GLOW AGAVE ARISTIDA PURPUREA / PURPLE THREEAWN BOUTELOUA CURTIPENDULA / SIDE OATS GRAMA FALLUGIA PARADOXA / APACHE PLUME FEROCACTUS WISLIZENI / FISH HOOK BARREL CACTUS HESPERALOE PARVIFLORA 'PERPA' / BRAKELIGHTS® RED YUCCA MUHLENBERGIA LINDHEIMERI / LINDHEIMER'S MUHLY PENSTEMON PALMERI / PALMER'S PENSTEMON YUCCA GLORIOSA / SPANISH DAGGER



DESERT SHADE XERIC AGAVE DESMETIANA / SMOOTH AGAVE CALYLOPHUS HARTWEGII / HARTWEG'S SUNDROPS CARNEGIEA GIGANTEA / SAGUARO CUPHEA HYSSOPIFOLIA / FALSE HEATHER DASYLIRION WHEELERI / GREY DESERT SPOON FOUQUIERIA SPLENDENS / OCOTILLO GLANDULARIA GOODDINGII / GOODDING'S VERBENA LANTANA MONTEVIDENSIS / PURPLE TRAILING LANTANA LANTANA X 'NEW GOLD' / NEW GOLD LANTANA LEUCOPHYLLUM FRUTESCENS / TEXAS SAGE MIRABILIS MULTIFLORA / COLORADO FOUR O'CLOCK OENOTHERA LINDHEIMERI / GAURA PEDILANTHUS BRACTEATUS / SLIPPER PLUMBAGO SCANDENS / MEXICAN PLUMBAGO



DESERT SHADE RIPARIAN ERIOGONUM FASCICULATUM / CALIFORNIA BUCKWHEAT FALLUGIA PARADOXA / APACHE PLUME GOSSYPIUM THURBERI / THURBER'S COTTON RUELLIA NUDIFLORA / MEXICAN PETUNIA TRADESCANTIA OCCIDENTALIS / PRAIRIE SPIDERWORT YUCCA GLORIOSA / SPANISH DAGGER

### descriptive notes

general notes

Most visitors to the Southeast Mesa Library will arrive from the east-southeast through a shady and spectacular grid of shade trees and fruiting Date Palms. The 'Sunrise Plaza' allows for parking, turn-arounds, and drop-off, but is designed as a civic plaza first. Flush paving on all sides allows for maximum flexibility and accessibility of the spaces, but also promotes water collection as the plaza is designed as a filtration device; various types of permeable paving feather into planting areas that catch the water and spring forth from the plaza surface. Along the street and along the building two large 'urban swales' collect the remaining runoff creating green borders to the plaza space. These ground level planting areas beneath the palm grove will combine cooling greens with warm flowering tones of yellow and orange.

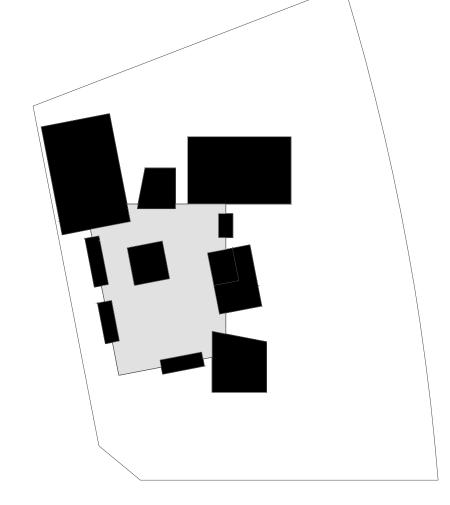
Moving around the library to south-southwest, the 'Pollinator Garden' and the 'Riparian Gardens' are primary water collection spaces offering terraces of green that filter water as they descend toward the lake. Carved in-between the garden zones, the terraces will offer programmable patio and plaza spaces that are accessible from the library, as well as the lakeside and parking areas. The gardens in these neatly contained terrace areas offer a bit of controlled wildness through a diverse array of southwestern plants adapted for water filtration, pollination, heat, and the intense afternoon sun. The 'Pollinator' garden will be the most colorful and diverse, tucked around the reading patios of the upper terrace. The 'Riparian' terraces below will offer layers of textural and seasonal change while framing views of the lake from the library.

On the western edge, the 'Sunset Meadow' is a transition landscape that connects the library to the park's open space. The Southeast Mesa Library will raise up from the existing grade level of the site, offering a prominence appropriate for a civic building, while also creating opportunities to incorporate terrace seating, water collection, and event viewing. These terraces take on the character of a meadow, dotted with willows and highlighted by accents of aloes and agave, which will glow in the setting sun with the golds, greens, and purples of the meadow

Wrapping the north side of the library, 'Desert Shade' gardens weave their way around the children's outdoor patio space and staff breakout space, while providing screening for parking, utilities, and trash collection. These landscape areas are primarily to be seen, not occupied, and so provide the perfect opportunity to highlight the iconic accents, unique colors, and sculptural forms available in the desert palette. Purples and yellows offer contrast to greens and grays, creating striking scenes and offering seasonal change. The patios will include shade trees and Date Palms the provide natural shade options April to October.

# revisions schedule

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DESIGN REVIEW | 11/18/2022

RICHARD

**KENNEDY** 

**ARCHITECTS** 

**LP101 PLANTING PLAN**