



Michael Todoran

Landscape Architect : Landscape Architectural  
(in training) : Photographer





Skate Park Design  
Lead Designer: Michael Todoran  
Project Manager: David Christensen  
Location: Business Bay Dubai United Arab Emirates  
SWA Group Los Angeles

Michael Trajan Todoran  
Salt Lake City, Utah USA  
+1(702) 237-0785  
[michael.t.todoran@gmail.com](mailto:michael.t.todoran@gmail.com)

MILITARY

1999 United States Coast Guard

EDUCATION

2004 University of Nevada Las Vegas UNLV  
Bachelor of Fine Arts BFA

2012 The Ohio State University OSU  
Master in Landscape Architecture MLA

EMPLOYMENT

TRAJAN PHOTOGRAPHY | California & Utah  
2016 - Current Owner  
<http://trajanphotography.com/>

CAL POLY POMONA | Los Angeles, CA  
2018 - Current Lecturer

RIOS CLEMENTI HALE STUDIOS (RCHS) | LA, CA  
2017 - 2019 Associate Landscape Designer

SWA GROUP | Los Angeles, CA  
2015 - 2017 Associate Landscape Designer

STOUT DESIGN BUILD | Los Angeles, CA  
2013 - 2015 Associate Landscape Designer &  
Resident Photographer

HARMONY GARDENS | Valley Village, CA  
2012 Associate Landscape Designer

REFERENCES

GERDO P. AQUINO  
CEO of [SWA](#) Group DTLA  
[gaguino@swagroup.com](mailto:gaguino@swagroup.com)  
+1(213) 236-9090

NATHANIEL CORMIER  
Managing Landscape Studio Director at [RIOS](#)  
[nathaniel.cormier@gmail.com](mailto:nathaniel.cormier@gmail.com)  
+1(206) 218-4097

TRENT OKUMURA  
(former) Associate Principal | SWA Group DTLA  
currently at Bright View  
[naoshi22@aol.com](mailto:naoshi22@aol.com)  
+1(714) 325-4290

ANDREW WILCOX  
[Chair](#), Landscape Architecture,  
College of Environmental Design  
California State Polytechnic University, Pomona  
[aowilcox@cpp.edu](mailto:aowilcox@cpp.edu)  
+1(562) 412-0112

Michael Trajan Todoran



<div>Michael Trajan Todoran</div> <div>Los Angeles, California USA</div> <div>+1(702) 237-0785</div> <div><a href="mailto:michael.t.todoran@gmail.com">michael.t.todoran@gmail.com</a></div>	curriculum vitae
<div>MILITARY</div> <div><div>1999 United States Coast Guard</div><div><ul style="list-style-type: none"><li>2 years Heavy Weather Search &amp; Rescue Newport, OR</li><li>2 years Aids to Navigation Honolulu, HI</li></ul></div></div>	
<div>EDUCATION</div> <div><div>2004 University of Nevada Las Vegas UNLV, Bachelor of Fine Arts BFA</div><div>2012 The Ohio State University OSU, Master in Landscape Architecture MLA</div></div>	
<div>EMPLOYMENT</div>	
<div>TRAJAN ARCHITECTURAL PHOTOGRAPHY   Los Angeles, CA &amp; Salt Lake City, UT</div> <div>2017 - Current Owner</div> <div><div><ul style="list-style-type: none"><li>Client Acquisition</li><li>Licensed Drone Pilot</li></ul></div></div>	
<div>CAL POLY POMONA   Los Angeles, CA</div> <div>2018 - Current Lecturer</div> <div><div><div>S 2022 Design Studio, Plant Ecology &amp; Design II</div><div>F 2022 Plant Ecology &amp; Design I</div><div>S 2021 Design Studio, Plant Ecology &amp; Design II</div><div>F 2021 Plant Ecology &amp; Design I</div><div>S 2020 Plant Ecology &amp; Design II</div><div>S 2020 Landscape Architecture Through Film-making</div><div>S 2019 Architectural Photography</div><div>F 2019 Architectural Photography</div><div>F 2018 Architectural Storytelling</div></div></div>	
<div>RIOS CLEMENTI HALE STUDIOS (RCHS)   LA, CA</div> <div>2017 - 2019 Associate Landscape Designer</div> <div><div>RESPONSIBILITIES</div><div><div>High End Residential (40 million + properties)</div><div><ul style="list-style-type: none"><li>Schematic, Design Development, Construction Documents, Construction Observation</li></ul></div></div><div><div>Coordination</div><div><ul style="list-style-type: none"><li>Weekly on Site Visits with Architects, Interior Designer, Water Feature Consultant, General Contractor, and Client Representative. Present our drawings, ideas, to design team and take meeting minutes.</li></ul></div></div><div><div>Nursery Visits and Materials Quality Control</div><div><ul style="list-style-type: none"><li>Travel throughout California and Oregon to coordinate with tree brokers to approve quality high dollar specimen trees for residential projects. Monitor tree and plant installation</li><li>Supervise 1:1 material mockups, infrastructure mockups, and open line of communication with General Contractors</li></ul></div></div></div>	

<div>SWA GROUP   Los Angeles, California USA</div> <div>2015 - 2017 Associate Landscape Designer</div> <div><div>RESPONSIBILITIES</div><div><div>Coordination</div><div><ul style="list-style-type: none"><li>Clearly communicate ideas with Architects, Irrigation Consultants, Clients and internal teams</li></ul></div></div><div><div>Planting Plans</div><div><ul style="list-style-type: none"><li>Design Lead: Successfully designed within budget (\$800,000.00) planting plan</li></ul></div></div><div><div>Illustrative Master Plan</div><div><ul style="list-style-type: none"><li>Worked within teams to graphically represent master plans</li></ul></div></div><div><div>Construction Details</div><div><ul style="list-style-type: none"><li>Worked with designers to create new construction details and modify existing construction details</li></ul></div></div><div><div>Photography</div><div><ul style="list-style-type: none"><li>Discuss with lead designer the desired elements to present and accentuate</li><li>Shoot in RAW format, choose lenses, ISO, aperture size, and exposure times for highest quality images</li><li>90% of postproduction of images in Adobe Lightroom / 10% in Adobe Photoshop</li></ul></div></div></div>	curriculum vitae
<div>STOUT DESIGN BUILD   Los Angeles, California USA</div> <div>2013-2015 Associate Landscape Designer &amp; Resident Photographer</div> <div><div>RESPONSIBILITIES</div><div><div>Associate Designer</div><div><ul style="list-style-type: none"><li>Drafting site plans, construction details, lighting plans, planting plans, hydrozone &amp; irrigation plans</li><li>Initial Consultation Meetings: Meet with client on site and listen to their needs and offer suggestions, design ideas. Follow up with a soft bid and answer any questions or concerns.</li><li>Collaboration Site Surveyors, Architects, and Structural Engineers</li></ul></div></div><div><div>Project Management</div><div><ul style="list-style-type: none"><li>Walk foreman through site to discuss scope of work, materials, and time lines</li><li>Prepare take offs of linear &amp; square foot for required demolition and new materials</li><li>Visit site weekly (or when required) during construction process to photograph progress, quality control, answer question from contractor and client</li></ul></div></div><div><div>Hiring &amp; Training</div><div><ul style="list-style-type: none"><li>Write copy to attract the right new hire</li><li>Review portfolios, check references, and present top 3 candidates to supervisor</li><li>Train associate designers &amp; interns (4 to date) on AutoCad standards utilizing Sheet Set Manager, procedures, expectations, quality control, and consistency</li></ul></div></div><div><div>Initiatives Taken</div><div><ul style="list-style-type: none"><li>Develop training manual for new hires</li><li>Redline work and review AutoCad practices of new hires</li><li>Design new company office</li></ul></div></div></div>	



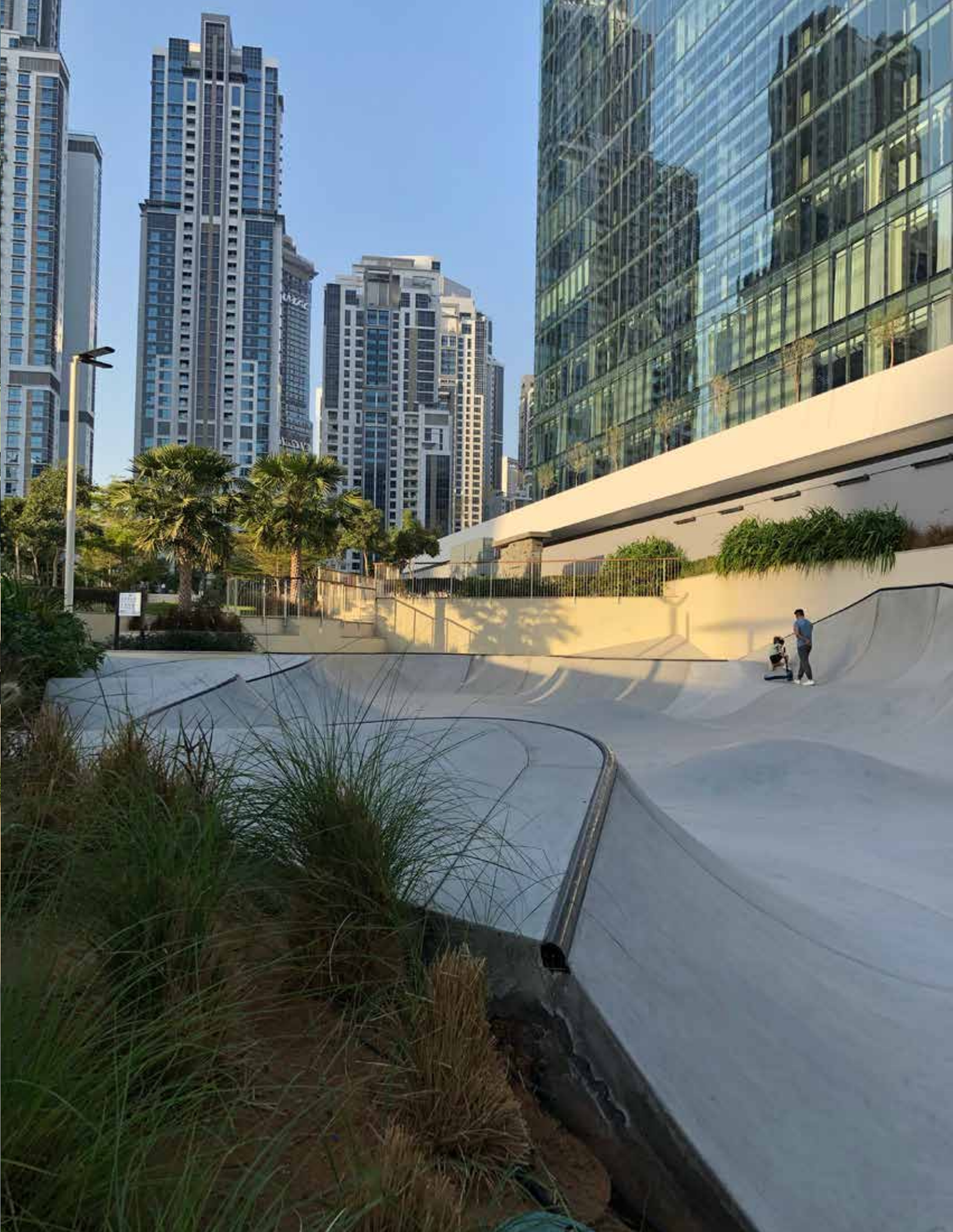


Construction Details: Michael Todoran  
Project Manager: Vicki Li  
SWA Group Los Angeles  
China





Skate Park Design  
Lead Designer: Michael Todoran  
Project Manager: David Christensen  
Location: Business Bay Dubai United Arab Emirates  
SWA Group Los Angeles





Planting Plan & Construction Details: Michael Todoran  
Lead Designer: Gerdo Aquino  
Project Manager: Chris Hall  
Culver City, CA







Planting Plan & Construction Details: Michael Todoran  
Lead Designer: Gerdo Aquino  
Project Manager: Chris Hall  
Downtown Los Angeles, CA



Drafting: Michael Todoran  
Lead Designer: Gerdo Aquino  
Project Manager: Trent Okumura  
SWA Group Los Angeles  
Hollywood, CA





Planting Plan & Construction Details: Michael Todoran  
Lead Designer & Project Manager: Woonghee Lee  
Sava Promenade at the Belgrade Waterfront  
SWA Group Los Angeles  
Belgrade, Serbia





Drafting: Michael Todoran  
Lead Designer & Project Manager: Jeremy Klevin  
Waldorf Astoria and Beverly Hilton  
SWA Group Los Angeles  
Beverly Hills, CA



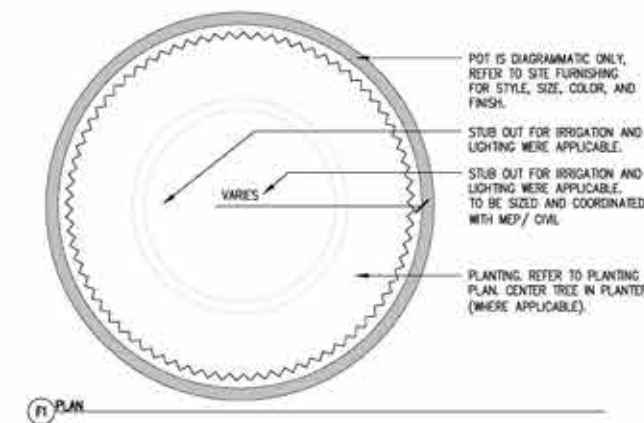
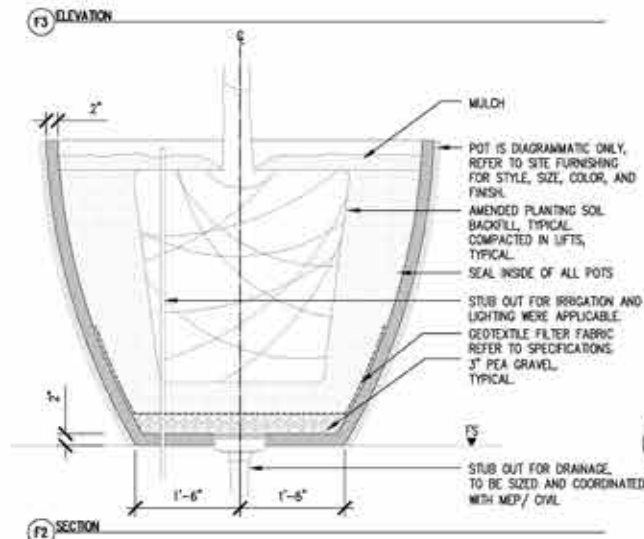
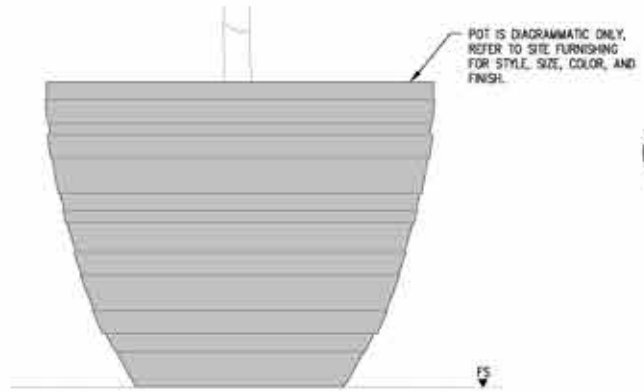




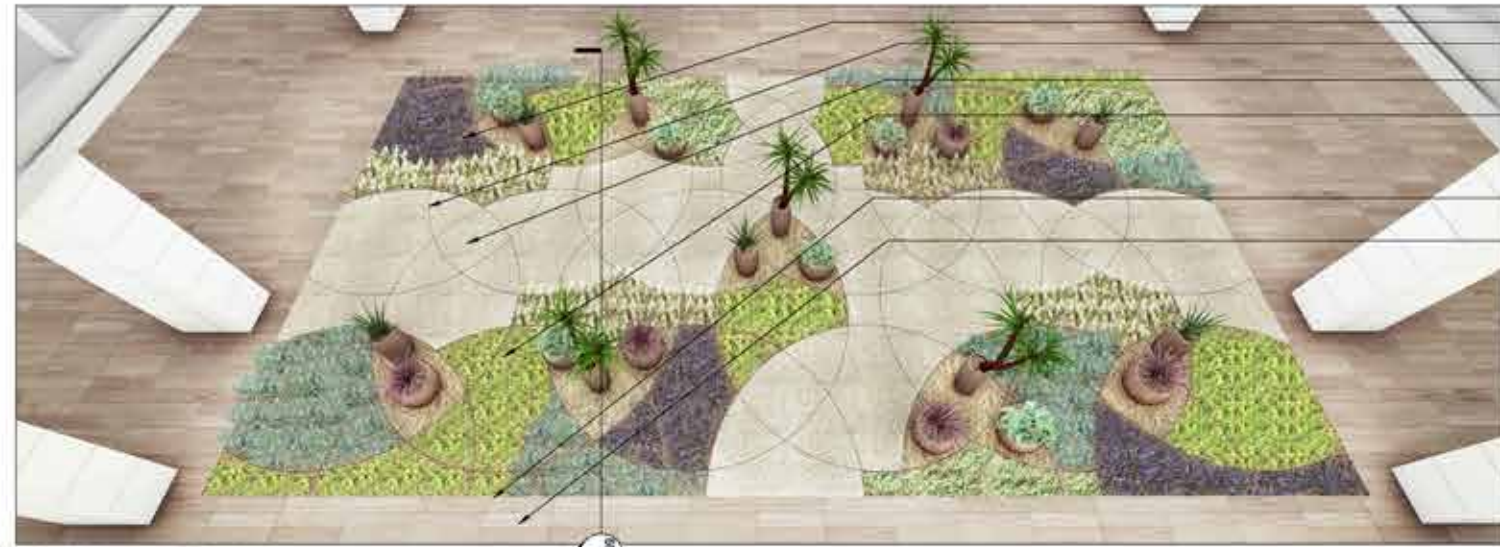
Lead Designer: Michael Todoran  
Freelance Client  
Private Residence  
West Los Angeles, CA



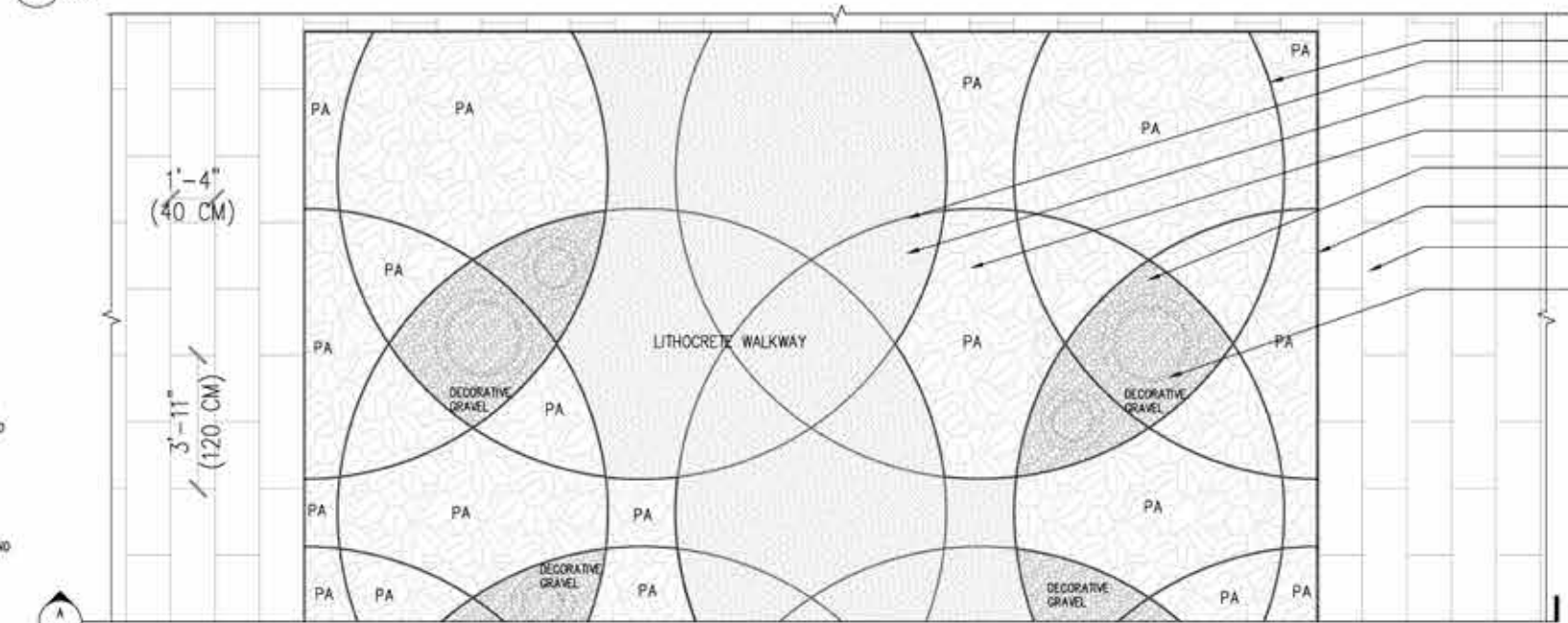
Construction Details: Michael Todoran  
Lead Designer: Ying-Yu Hung  
Project Manager: Trent Okumura  
Downtown Los Angeles, CA



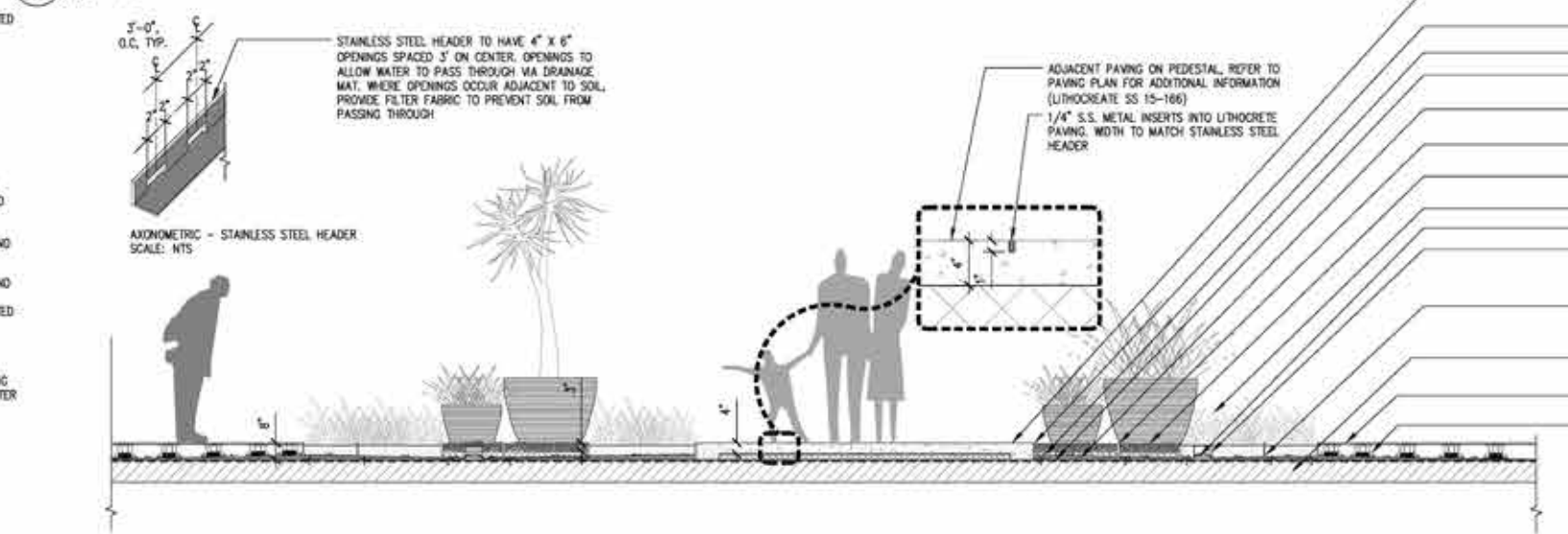
(B) TREE OR SHRUB PLANTER POT  
1" = 1'-0"



A2 DRY GARDEN - BIRDS EYE  
NTS



A1 PARTIAL PLAN - DRY GARDEN  
1/2" = 1'-0"



**A** SECTION - ARROYO GARDEN  
1/2" = 1'-0"

1/4" WIDE X 6" HEIGHT STAINLESS STEEL HEADER  
1/4" S.S. METAL INSERTS INTO LITHOCRETE  
PAVING. WIDTH TO MATCH STAINLESS STEEL HEADER  
REFER TO SHEET L10.11 FOR ADDITIONAL  
LITHOCRETE PAVING INFORMATION  
PLANTING AREA, REFER TO SHEET L10.11  
FOR ADDITIONAL INFORMATION  
† DECORATIVE GRAVEL, REFER TO SHEET L10.11  
FOR ADDITIONAL INFORMATION  
1/2" WIDE X 6" HEIGHT STAINLESS STEEL  
PERIMETER HEADER  
ADJACENT PAVING ON PEDESTAL, REFER TO  
PAVING PLAN FOR ADDITIONAL INFORMATION

1/4" WIDE X 6" HEIGHT STAINLESS STEEL HEADER  
1/4" S.S. METAL INSERTS INTO LITHOCRETE  
PAVING. WIDTH TO MATCH STAINLESS STEEL HEAD  
REFER TO SHEET L10.11 FOR ADDITIONAL  
LITHOCRETE PAVING INFORMATION  
PLANTING AREA, REFER TO SHEET L10.11  
FOR ADDITIONAL INFORMATION  
3/4" DECORATIVE GRAVEL, REFER TO SHEET L10.11  
FOR ADDITIONAL INFORMATION  
1/2" WIDE X 6" HEIGHT STAINLESS STEEL  
PERIMETER HEADER  
ADJACENT PAVING ON PEDESTAL, REFER TO  
PAVING PLAN FOR ADDITIONAL INFORMATION  
ACCENT POTS WITH PLANTING, REFER TO  
SHEET L10.11 FOR ADDITIONAL INFORMATION

REFER TO SHEET L10.11 FOR ADDITIONAL  
LITHOCLITE PAVING INFORMATION

1/4" WIDE X 6" HEIGHT STAINLESS STEEL HEADER

DRAINAGE MAT

WATERPROOFING/PROTECTION BOARD PER  
ARCH PLANS

TOPPING SLAB TO SLOPE TOWARDS DRAIN  
PER ARCHITECT DRAWINGS

TOPPING SLAB TO SLOPE TOWARDS DRAIN  
PER ARCHITECT DRAWINGS

3/4" DECORATIVE GRAVEL, REFER TO SHEET L10.11  
FOR ADDITIONAL INFORMATION

SHrub PLANTING

SLAB DRAIN PER PLUMBING DRAWINGS

CLEAN OUT ACCESS, PERFORATED PVC PIPE WH/MP  
IN FILTER FABRIC PIPE SIZED TO FIT AROUND  
DRAIN. PROVIDE DRAIN LID OVER PERFORATED  
PIPE

STAINLESS STEEL HEADER TO HAVE 4" X 6"  
OPENINGS SPACED 3' ON CENTER, REFER TO  
AXONOMETRIC HEREIN

STRUCTURAL SLAB PER  
ARCH/ENGINEER'S PLANS

ADJACENT PAVING ON PEDESTAL, REFER TO  
PAVING PLAN FOR ADDITIONAL INFORMATION

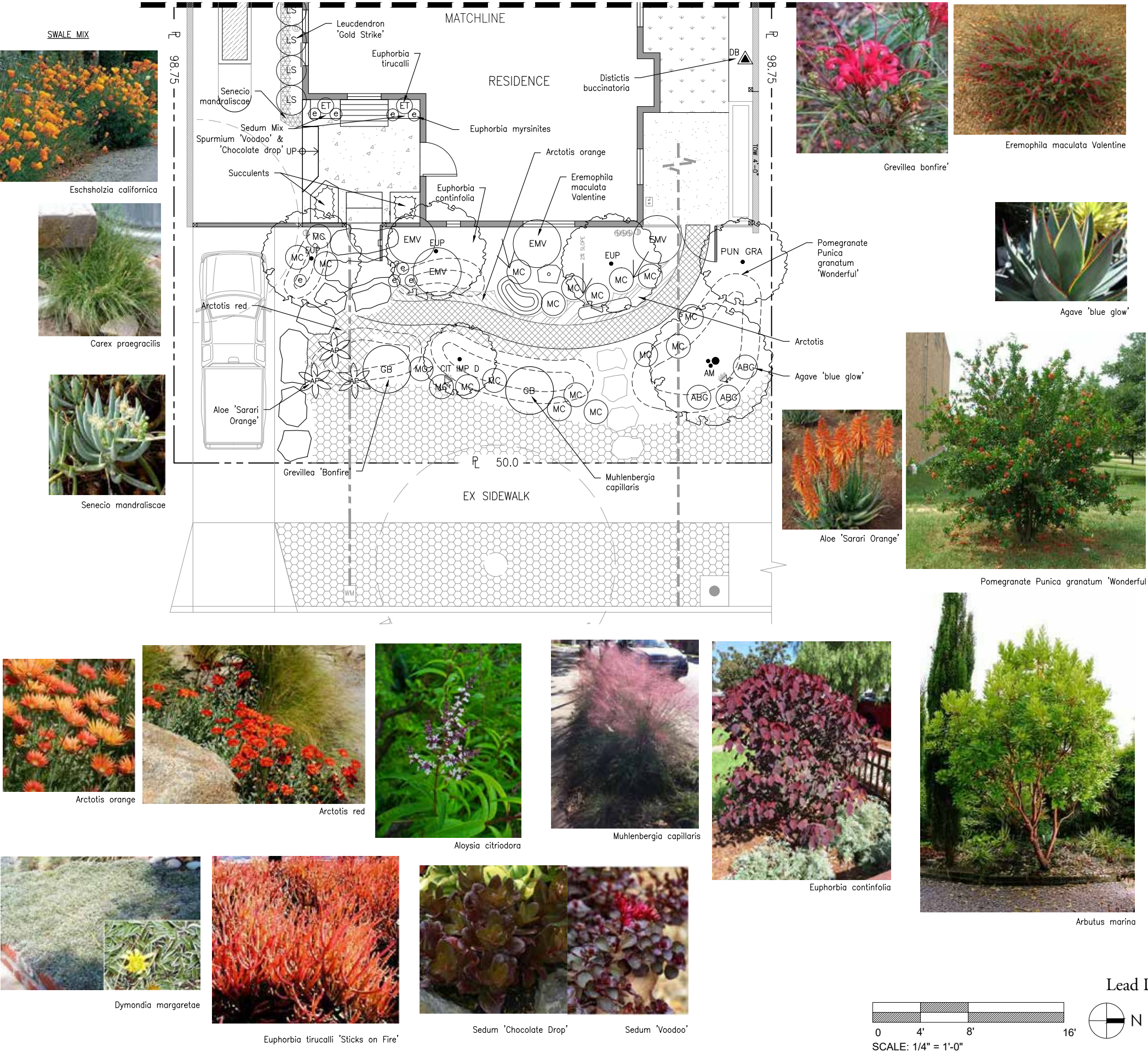
LEVELING PEDESTAL, REFER TO  
SPECIFICATIONS. PEDESTALS TO BE EPOXY SET  
TO TOPPING SLAB, PAWER EPOXY SET TO  
PEDESTAL. REFER TO MANUFACTURERS  
LATEST RECOMMENDATIONS







SYM.	QTY	SIZE	BOTANICAL NAME	COMMON NAME	H	W
Citrus & Fruit Trees or Shrubs						
AVO	1	24" box	Avocado 'Hass'		30'	30'
CIT IMP D	1	15 gal	Citrus lemon 'Improved Meyer' dwarf		6'	7'
CIT BEA	1	24" box	Citrus Lime 'Bears'		15-20'	15'
DECIDUOUS FRUIT TREES						
PUN GRA	1	15 gal	Punica granatum 'Grenada' tree	Pomegranate (tree form)	15-20'	15-20'
Trees						
AGF	1	24" box	Agonis flexuosa 'Jervis Bay Afterdark'	Peppermint Tree	25-40'	15-25'
AM	1	15 gal	Arbutus 'Marina' (multi)		25-50'	25-40'
EC	3	15 gal	Euphorbia cotinifolia	Caribbean Copper Plant	10-16'	6-8'
PH15	6	15 gal	Podocarpus henkelii	Long-Leafed Yellow Wood	25-40'	15-25'
Perennials Herbs, Edibles & Greens						
AC	3	4"	Aloysia citrodora	Lemon verbena	4'	2'
LA	4	4"	Lavendula angustifolia 'Martha Roderick'	English Lavender	18-24"	24-36"
RTB	1	1 gal	Rosmarinus officinalis 'Tuscan Blue'	Upright Rosemary	2-3'	4-5'
		4"	Thymus vulgaris	Thyme	2'	2'
Large Shrubs						
AE	2	5 gal	Aralia elegantissima	False aralia	4-6'	4-6'
EMV	4	5 gal	Eremophila maculata 'valentine'			
GB	2	5 gal	Grevillea 'Bonfire'	Grevillea 'Bonfire'	4'-6"	4'-6"
LS	11	5 gal	Leucadendron Safari Goldstrike	Yellow conebush	4-6'	4-6'
TSA	1	5 gal	Tecoma hybrid 'Sierra Apricot'		3-6"	3-6"
Medium & Small Shrubs & Perennials						
AS	3	1 gal	Aloe Safari Orange 'Andora'	Safari Orange Aloe		
CBS	1	1 gal	Spire™ 'Dracaena Palm'	Burgundy Spire™		
DCB	5	1 gal	Dianella caerulea 'Cassa Blue'	blue flax lily	1-2'	spreads
e	8	4"	Eschscholzia californica	California poppy	18-24"	18-24"
Succulents						
ABG	3	3 gal	Agave 'Blue Glow'		1-2'	2-3'
AC	3	1 gal	Aloe 'Cynthia Giddy'		1'2"	2'-3"
EM		1gal	Euphorbia myrsinites			
ET	2	1 gal	Euphorbia tirucalli 'Sticks on Fire'	Red pencil tree	4-8'	3-5'
		flat	Sedum 'Chocolate Drop'			
		flat	Sedum 'Ogon'		2"	8-12"
		flat	Senecio mandraliscae	Blue chalk sticks	1-2'	spreading
		flat	Sedum spurius 'Chocolate'			
		flat	Sedum spurius 'Voodoo'			
Grasses, Rushes & Sedges						
		plug tray	Carex prageracilis	Field Sedge	8-12"	spreading
CT	14	1 gal	Chondropetalum tectorum	Small Cape Rush	2-3"	3-4"
MC		1 gal	Muhlenbergia capillaris	Muhly Grass	2-3"	2-3"
Vines						
DB	9	5 gal	Distictis buccinatoria	Red trumpet vine	30'	
V	2	5 gal	Vitis 'Roger's Red'	Roger's CA Grape		10'-15'
Lawn						
		sod	Agrostis pallens	Bent grass	1-3"	1-3"







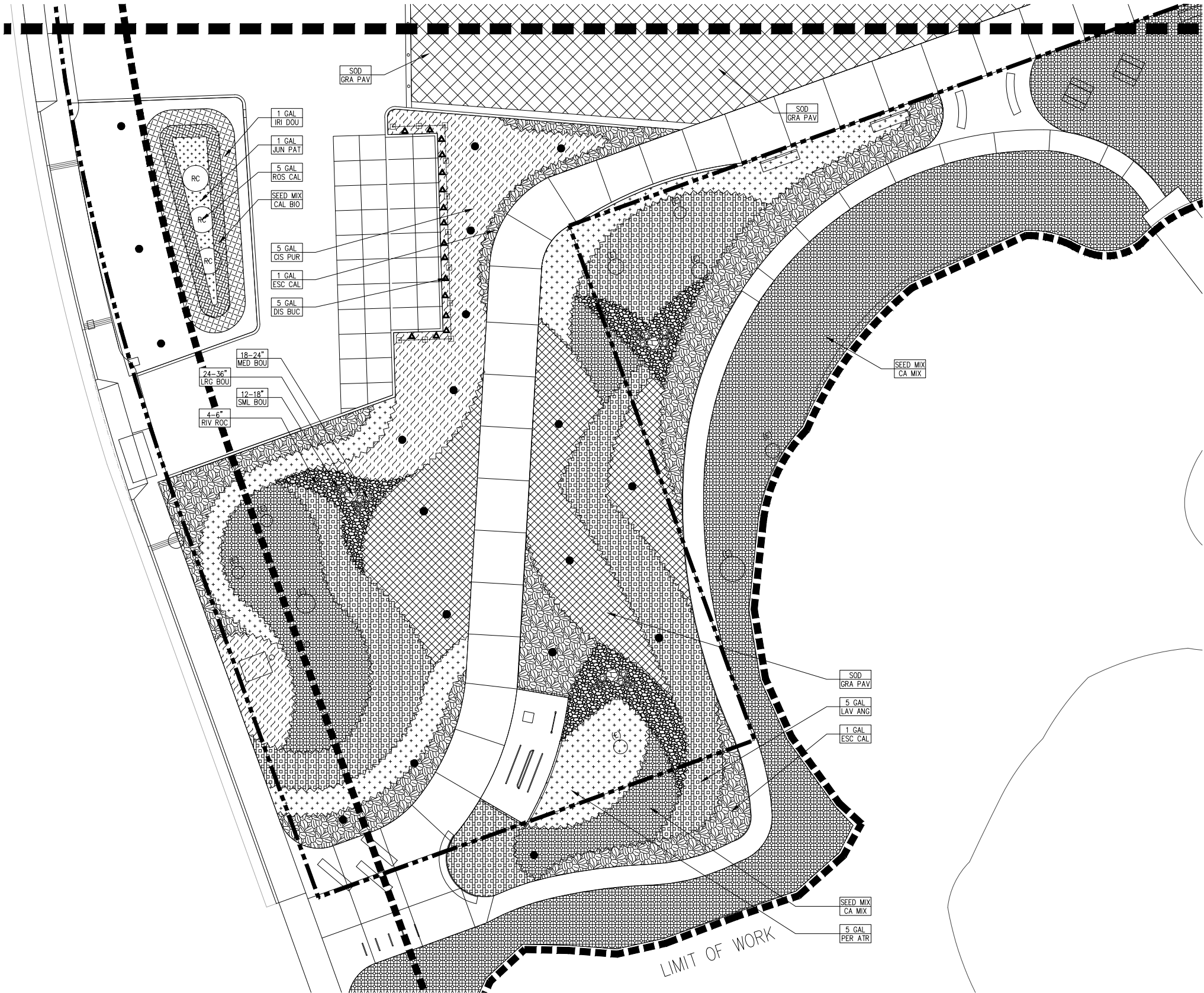
MONROVIA



A large, bushy plant with green leaves and numerous small red flowers, growing in a black pot on a porch. The plant is overflowing with foliage and flowers, cascading over the edge of the pot. In the background, a wooden staircase and a green wall are visible.

Lead Designer: Michael Todoran  
Stout Design Build  
Private Residence  
Los Angeles, CA





Planting Legend (Enlargement 1)			
Sym	Key	Botanical Name	Common Name
Shrub			
CP	CIS PUR	Ostus x purpureus	Orchid Rockrose
LA	LAV ANG	Lavandula angustifolia	English Lavendar
PR	PER ATR	Russian Sage	Perovskia atriplicifolia
Herb			
ESC CAL	ESC CAL	Eschscholzia californica	California Poppy
Vine			
DIS BUC	DIS BUC	Distictis buconatoria	Red Trumpet Vine

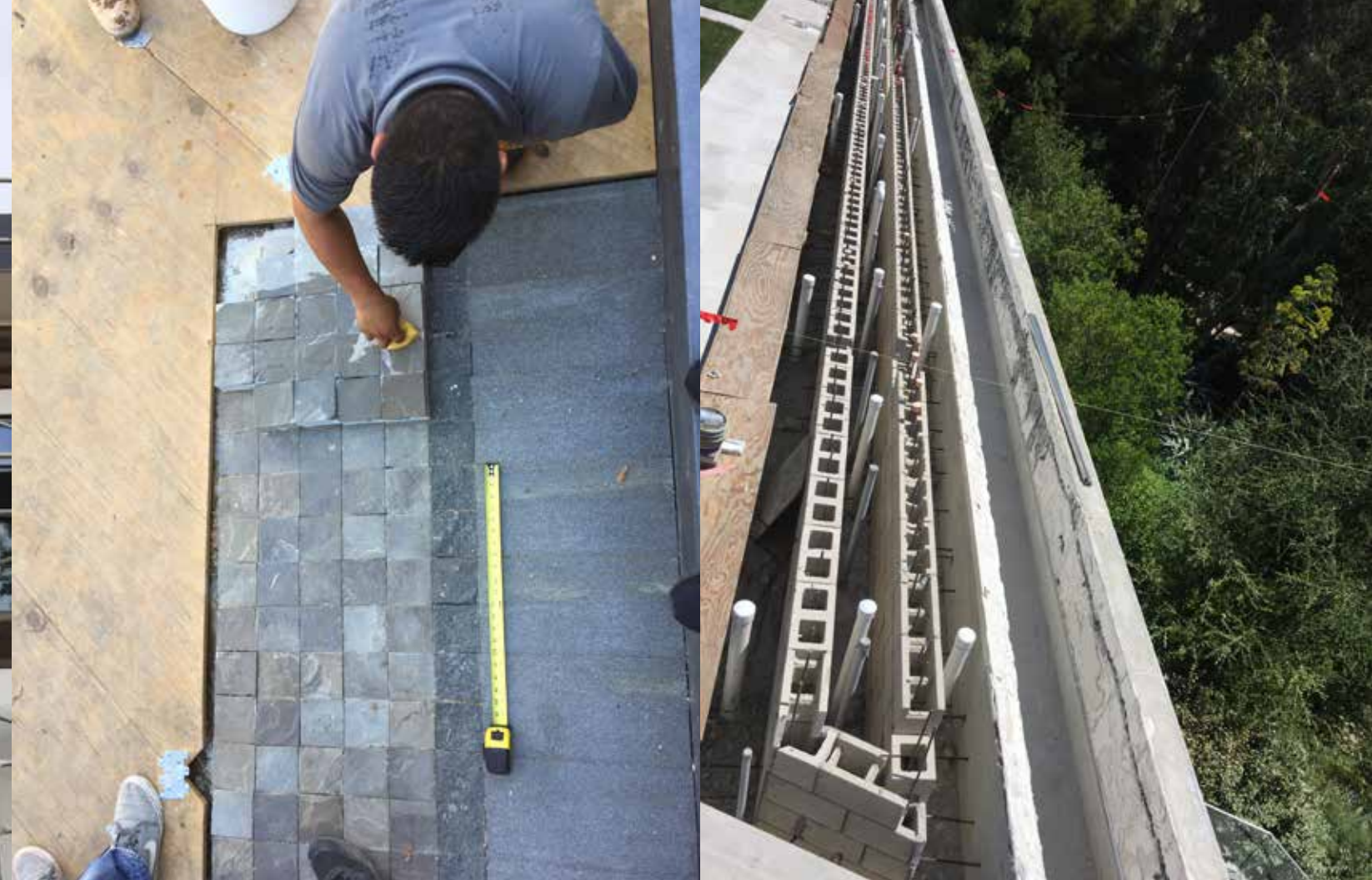
Planting Legend (Grass Pave)				
Sym	Key	Percent	Botanical Name	Common Name
GRA PAV		Grass Pave		
		33.3%	Festuca idahoensis	Idaho Fescue
		33.3%	Festuca occidentalis	Western Fescue
		33.3%	Festuca rubra 'Point Joe'	Point Joe Fescue

Planting Legend (CA Native Mix)				
Sym	Key	Percent	Botanical Name	Common Name
CA MIX		CA Mix		
		20%	Festuca rubra molate strain	Red Fescue
		20%	Festuca idahoensis 'Siskiyou Blue'	Idaho Blue Fescue
		20%	Linum lewisii Blue Flax	Blue Flax
		20%	Achillea millefolium	White Yarrow
		CA Hills Native Mix		
			Castilleja exserta ssp. exserta	Purple Owl's Clover
			Clarkia amoena	Farewell to Spring
			Clarkia linguiculata	Mountain Garland
			Collinsia heterophylla	Purple Chinese Houses
			Eschscholzia californica	California Poppy
			Gilia capitata	Blue Field Gilia
			Gilia tricolor	Bird's Eye Gilia
			Lasthenia glabrata	Yellow Rayed Goldfields
			Layia platyglossa	Coastal Tidytips
			Linanthus grandiflorus	Large Flower Linanthus
			Linum lewisii	Native Blue Flax
			Lupinus bicolor	Bicolored Lupine
			Lupinus nanus	Sky Lupine
			Lupinus succulentus	Arroyo Lupine
			Nemophila maculata	Nemophila Maculata
			Nemophila menziesii	Baby Blue Eyes
			Phacelia tanacetifolia	Tansy Leafed Phacelia
		20%		

Boulder Legend				
Sym	Key	Description	Spacing	Size
LRG BOU		Large Malibu Boulder	Per Plan	24-36"
MED BOU		Medium Malibu Boulder	Per Plan	18-24"
SML BOU		Small Malibu Boulder	Per Plan	12-18"
RIV ROC		Malibu River Rock Landscape Cobbles	100% Cover	4-6"

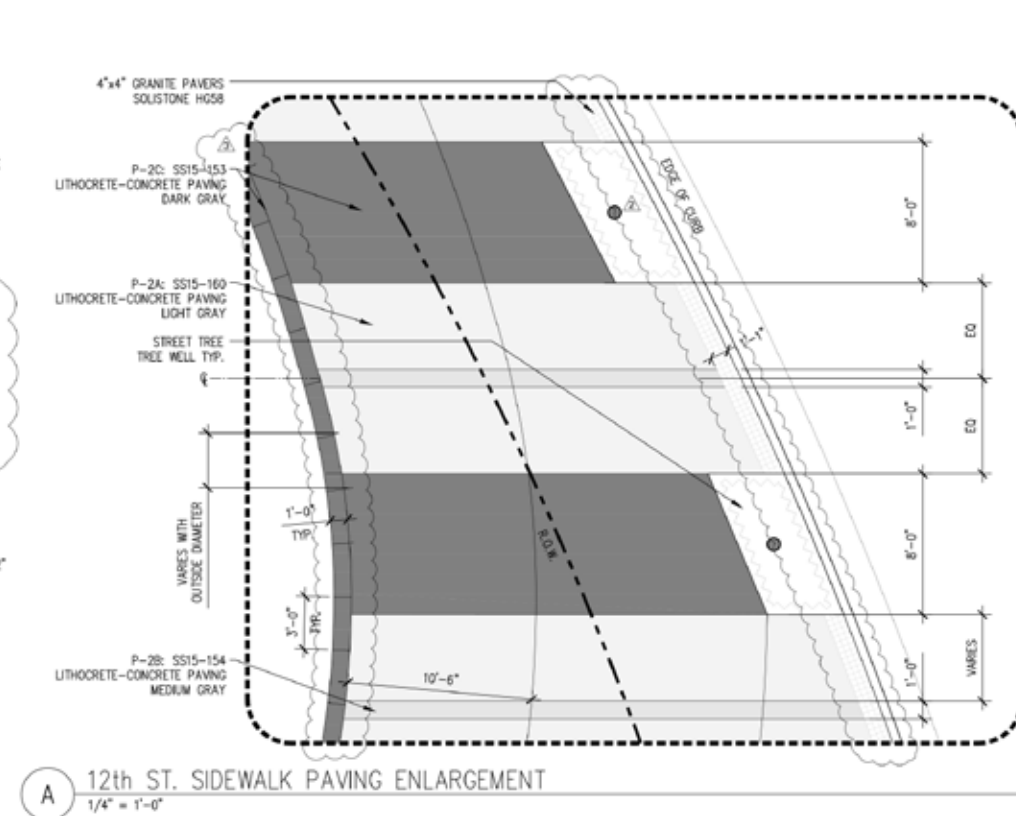
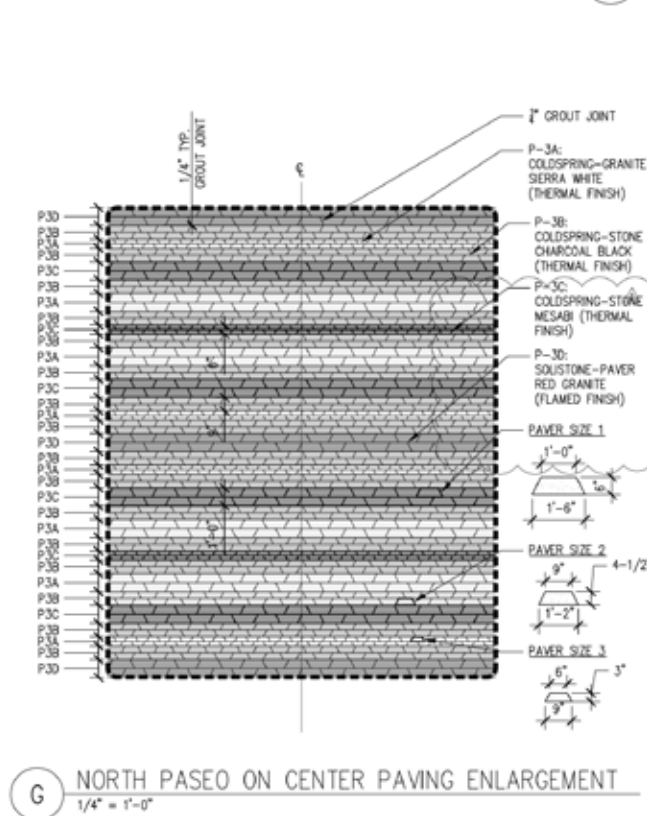
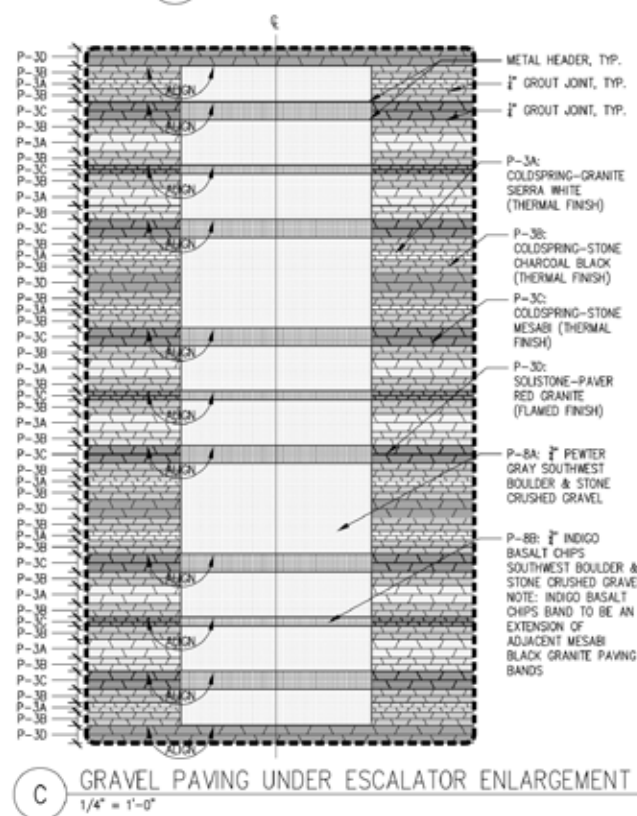
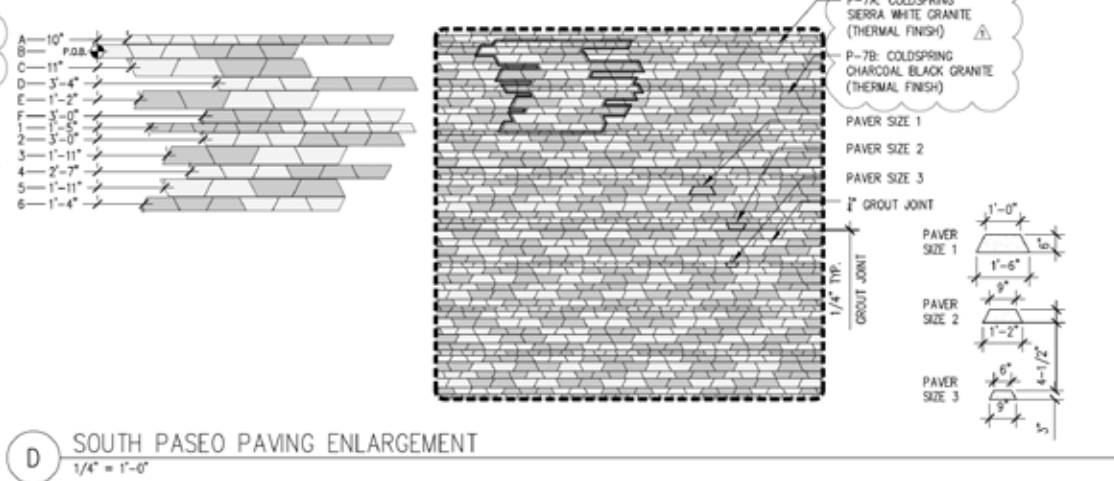
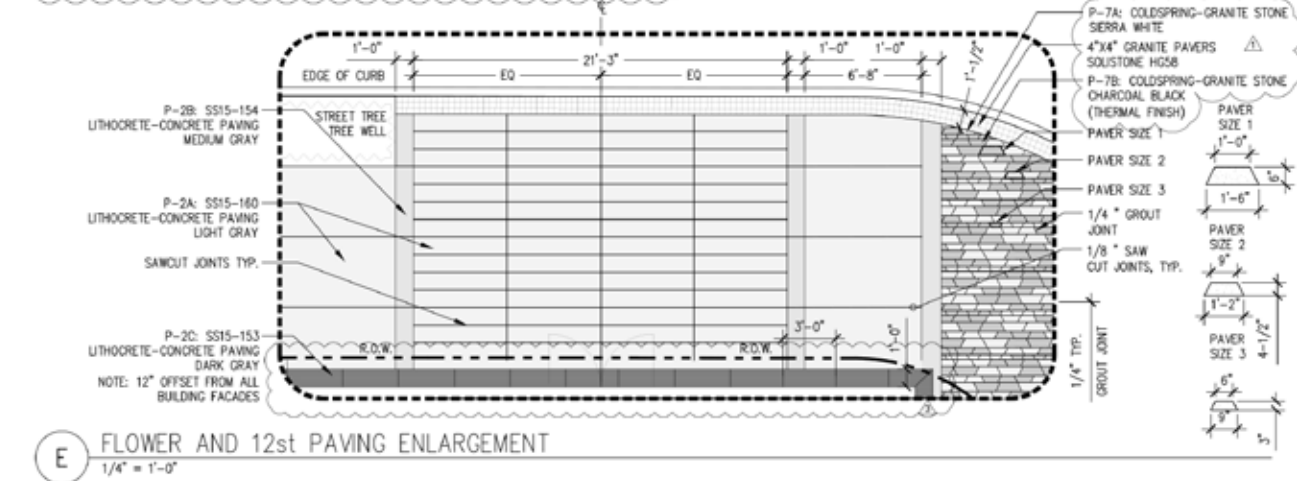
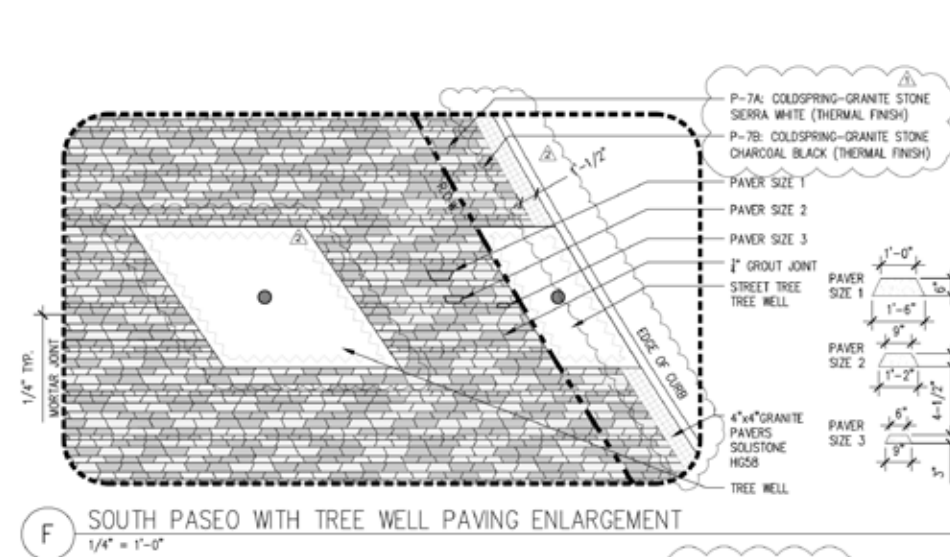
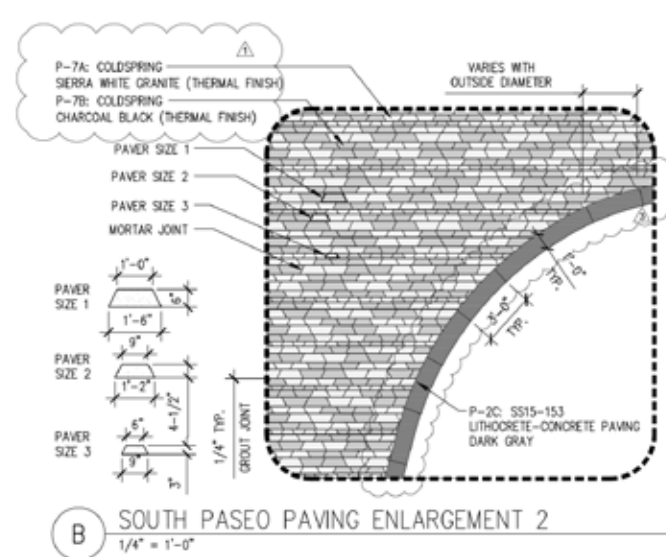
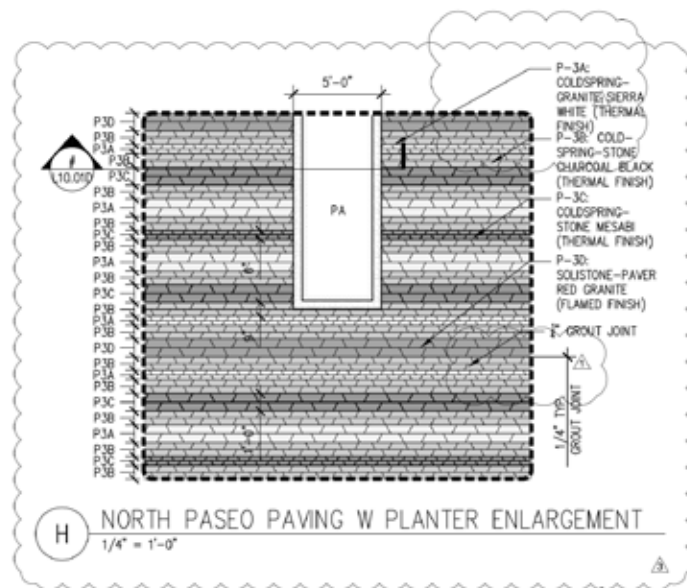
Planting Plan  
Lead Designer: Ying-Yu Hung  
Project Manager: David Christensen  
Lead Planting Designer: Michael Todoran  
Sunnyvale, CA.





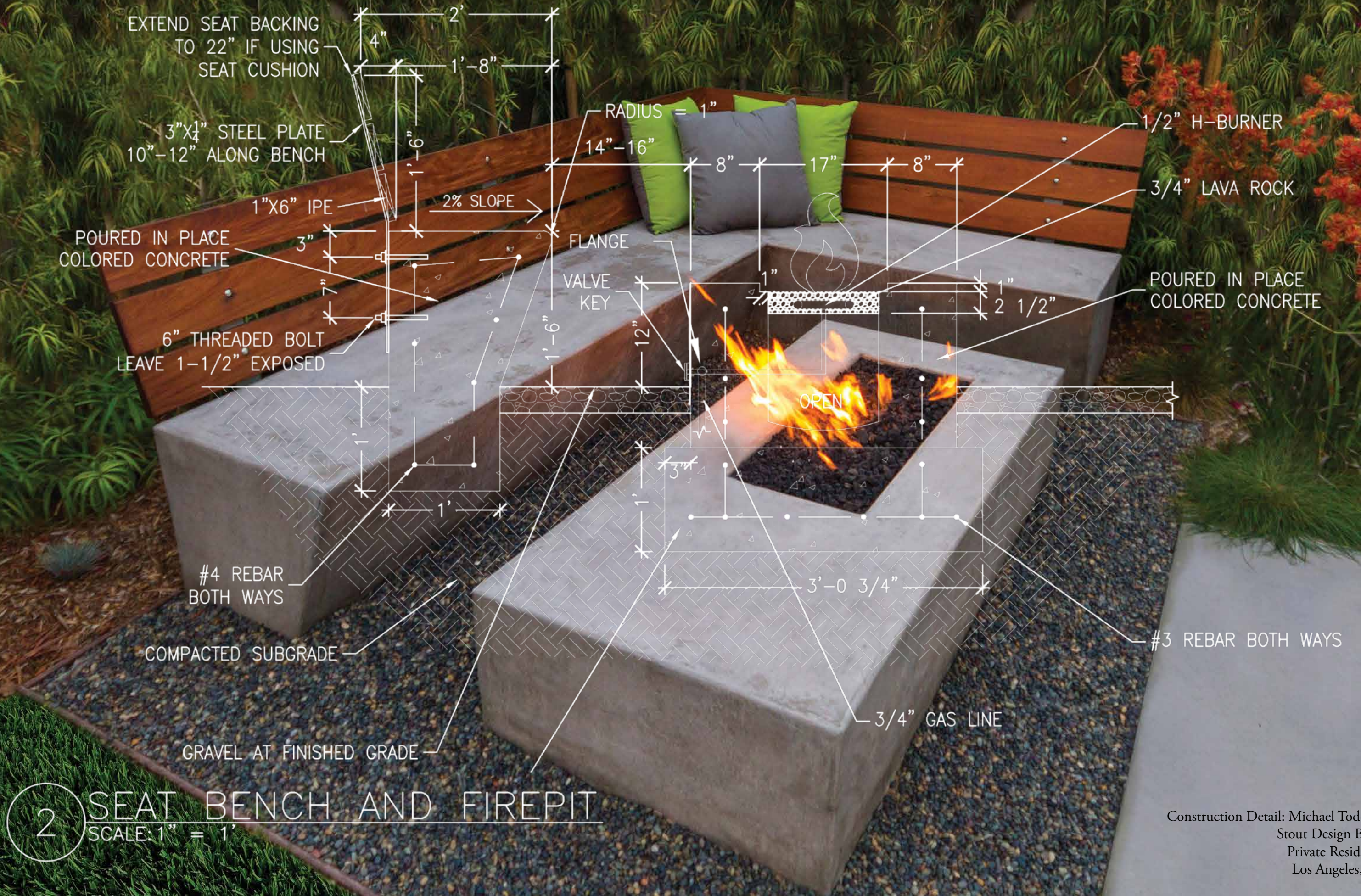
Construction Observation: Michael Todoran  
Lead Designer: Mark Rios  
Beverly Hills, CA





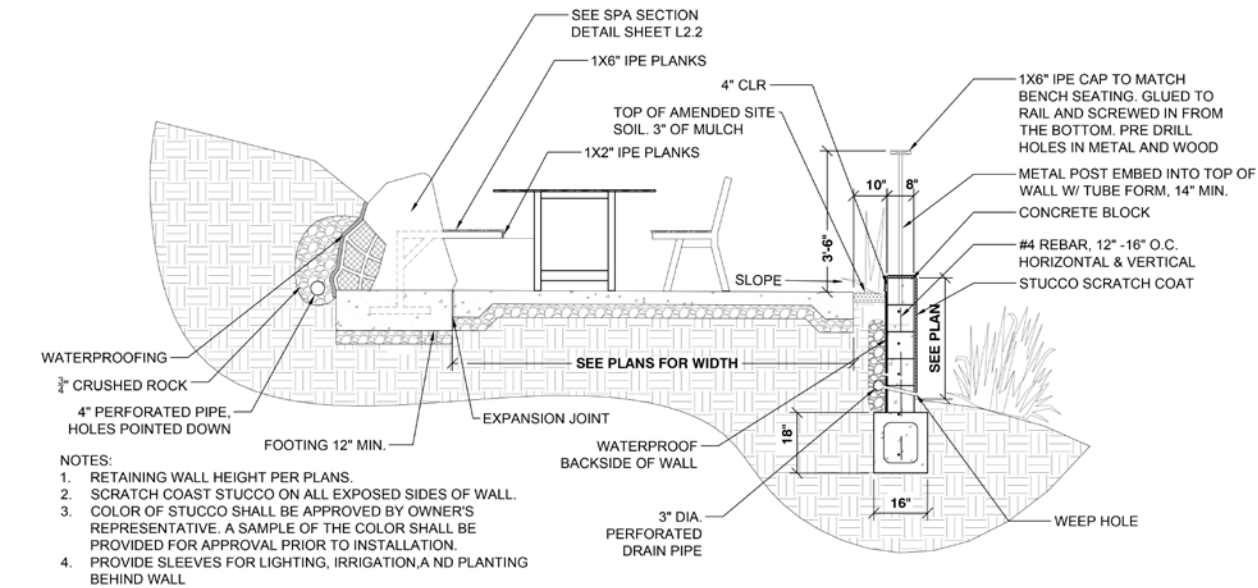
Paving Plan: Michael Todoran  
Lead Designer: Ying-Yu Hung  
Project Manager: Trent Okumura  
Downtown Los Angeles, CA



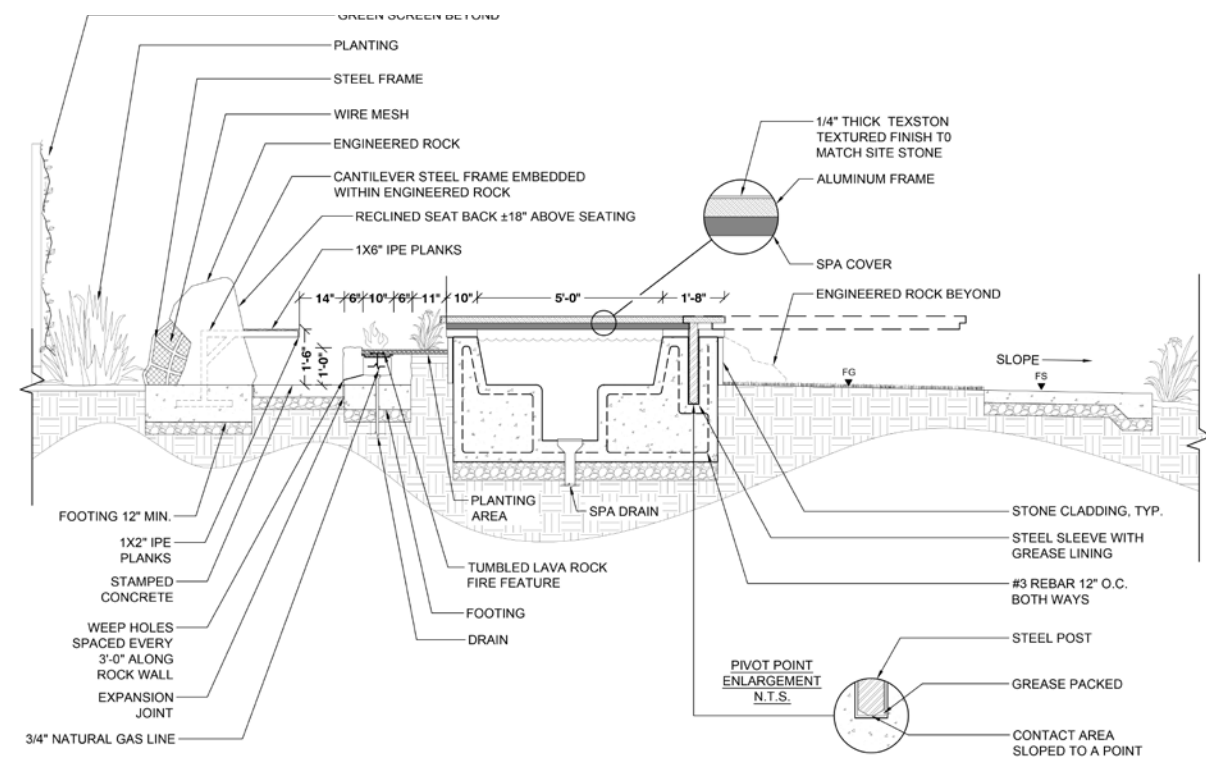


Construction Detail: Michael Todoran  
Stout Design Build  
Private Residence  
Los Angeles, CA





2 DINING TERRACE SECTION  
SCALE: 1/2" = 1'

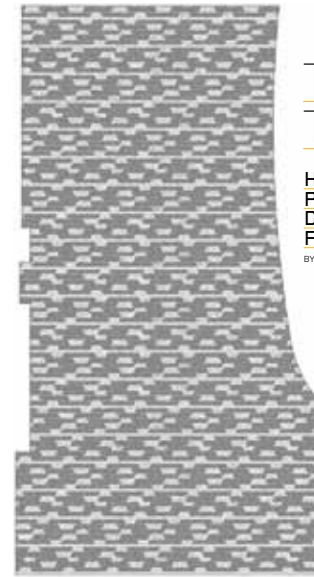


3 SPA SECTION  
SCALE: 1/2" = 1'





FOREGROUND / MATERIALS



TAME THE SUN

HOW TO SPECIFY COMPLEX PAVING PATTERNS TO DEFLECT URBAN HEAT FROM SOLAR EXPOSURE.

BY TRENT OKUMURA, ASLA, AND MICHAEL TODORAN

monolithic material choices). Darker paving creates a hotter microclimate but lower glare, and lighter paving creates a cooler microclimate and higher glare. The sweet spot in specifying paving lies in brokering a balance between thermal and visual comfort.

The crucial metric is the solar reflectance index, or SRI, which tells the ability of a paving material to reject solar heat. The index, following ASTM standards, assigns a standard black surface a value of zero and a standard white surface a value of 100. The SITES rating system Credit 4.9 requires designers to use paving materials with a solar reflectance (SR) value of 0.33 at installation or a "three-year aged SR value" of 0.28. It also requires maintenance provisions to ensure the surfaces are cleaned every two years to keep their reflectivity. The LEED rating system has similar incentives, as does the California Green Building Standards Code (CALGreen), though its stipulations vary by jurisdiction.

To design to such a requirement, you must identify the total square footage of paving surface that can be considered subject to SRI review (generally, any exposed surface not under architectural cover). Next, calculate the total paving square footage with a value of 0.29 or greater. Divide that number by total paving square footage for the percentage of the paving that meets or exceeds a value of 0.29.

We began identifying the contributing spaces through the use of diagrams. Hatches on the diagrams identified areas that consisted of

Our office, SWA Group in Los Angeles, recently completed a CALGreen plan-check submission to the City of Los Angeles for a mixed-use project downtown. The city requires that we make sure 25 percent of any sun-exposed paving material meets or exceeds an SRI value greater than 0.29. The total area of exposed paving under consideration is 131,000 square feet; the area needed to qualify for the SRI requirement is about 33,000 square feet.

ABOVE  
This complex paving design by SWA Group has light-colored pavers that reflect sufficient amounts of solar heat under L.A. city code and dark-colored ones that don't.

MATERIALS

FIGURE 2: TESTING AND EVALUATION RESULTS  
RESULTS AND OBSERVATIONS

The average consists of the first three samples of each batch. The results are listed below:

Solar Reflectance				
Sample	Solar Reflectance Average Batch 1	Solar Reflectance Average Batch 2	Solar Reflectance Average Batch A & B	Solar Reflectance Measured Specimen Batch A & B
Monaco Black	0.134	0.159	0.15	0.02
Monaco Green	0.174	0.206	0.19	0.02
Camelot	0.204	0.251	0.23	0.02
Merlotto White	0.349	0.403	0.38	0.04
Sierra White	0.477	0.468	0.47	0.02
Amethyst Dark	0.217	0.184	0.20	0.02
Sierra Red	0.208	0.30	0.27	0.02

Emittance				
Sample	Emittance Average Batch A	Emittance Average Batch B	Emittance Average Batch A & B	SRI (Value Reflectance Index)
Monaco Black	0.93	0.91	0.92	1.4
Monaco Green	0.95	0.96	0.96	2.7
Camelot	0.93	0.98	0.96	38
Merlotto White	0.91	0.98	0.95	48
Sierra White	0.93	0.94	0.94	59
Amethyst Dark	0.95	0.98	0.97	63
Sierra Red	0.93	0.98	0.96	48

ing. Minimum paving required to meet the was then derived from ation process. The diad square footage of paving material being associated SR value, n used to demonstrate ieved our 25 percent multiple levels of out-

The search for documented SR values for various paving materials can be tedious, so it's important to consider lead times for obtaining results. Because paving products are not all similar in content—with, for example, different aggregate colors, concrete pigments, or finishes—paving types will require individual testing. The initial approach is to contact the product supplier to ask

what testing or documentation is available. On the whole, there is very little supporting documentation for SR value, but the supplier may have lab results on file or be willing to test the product and issue the results.

The paving schedule for our downtown project consisted largely of varying cool and warm grays. These could not be said to have passing SR values

by a simple visual test. This ambiguity was amplified with materials that had different combinations of integral colors and a variety of aggregates. The next task was to determine which paving material within the identified exposed space could potentially meet or exceed the SR value of 0.29. We developed a spreadsheet with all paving types inside the hatched areas. The spreadsheet includes the SR values, square foot quantity, material type, color, finish, applicable level, location within the level, and manufacturer. The spreadsheet helped us visualize the multiple levels as a whole and enabled us to understand the quantities and percentages we were working with.

Without having any test results in hand, we made general assump-

tions that the medium to dark color paving material would not meet the requirements. We focused our attention on the material most likely to meet SRI requirements. The CALGreen plan-check process requires SRI test result documentation for each material contributing to the 25 percent. Consider having multiple paving types to meet your goal, in case test results are not available, can't be obtained in a timely fashion, or come back with negative results.

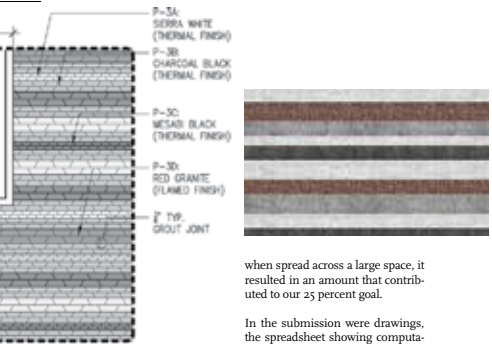
Because time was tight for completing our submission, we called each manufacturer to ask which materials on the paving legend they had existing SR values for. We entered the passing values into our master spreadsheet. By talking with the product representatives, we learned

that some materials (such as Raven Black granite) would obviously fall below a value of 0.29, so it was of little use to ask and pay for an SRI report for those items. Materials of an obviously passing value (such as Sierra White granite) allowed us to enter into the spreadsheet a passing value greater than or equal to 0.29. But because the manufacturer did not have an existing SRI report and we are unable to prove its value, we assigned those spreadsheet cells' background a pending color of yellow. The materials that were passing with documentation we assigned a color value of green, and of those failing, a value of red.

In general, we have found it easier to locate SRI test results for integral colored concrete pigments than for

MATERIALS

MENT



when spread across a large space, it resulted in an amount that contributed to our 25 percent goal.

In the submission were drawings, the spreadsheet showing computation of the 25 percent, and the certified SRI reports. Also included was the diagram with hatches for all of the work within our scope, with the areas that passed highlighted. In the end, we were able to meet the requirements and provide supporting information.

materials. Darker colors for its of some arers.

f Litho-ject, we al mixes

Concrete

Contractors, in Costa Mesa, California, provided test results, which helped narrow down our approved material list. Because we were unable to obtain some test results owing to various factors, our selection of qualifying material was reduced. This led us to look into isolating paving materials within a multicolor pattern.

In the South Paseo portion of our project, our paving pattern did have varying band sizes and two different materials. However, the materials repeated equally within each band,

Because only a percentage of the material can be accounted for, we had to determine how much of the isolated paver contributes to its pattern and subtract that amount from the total. The resulting amount was small, but

TRENT OKUMURA, ASLA, IS AN ASSOCIATE AND FIELD SPECIALIST AT SWA GROUP IN LOS ANGELES. MICHAEL TODORAN IS A LANDSCAPE DESIGNER AT SWA GROUP, LOS ANGELES, AND HOSTS THE LANDSCAPE ARCHITECTURE PODCAST.

FIGURE 3

DATE	DESCRIPTION	QUANTITY	UNIT	PRICE	TOTAL
01/01/17	SIERRA WHITE PAVING	10,000	SQ. FT.	1.50	15,000.00
01/01/17	SIERRA WHITE PAVING	10,000	SQ. FT.	1.50	15,000.00
01/01/17	SIERRA WHITE PAVING	10,000	SQ. FT.	1.50	15,000.00
01/01/17	SIERRA WHITE PAVING	10,000	SQ. FT.	1.50	15,000.00
01/01/17	SIERRA WHITE PAVING	10,000	SQ. FT.	1.50	15,000.00
01/01/17	SIERRA WHITE PAVING	10,000	SQ. FT.	1.50	15,000.00
01/01/17	SIERRA WHITE PAVING	10,000	SQ. FT.	1.50	15,000.00
01/01/17	SIERRA WHITE PAVING	10,000	SQ. FT.	1.50	15,000.00
01/01/17	SIERRA WHITE PAVING	10,000	SQ. FT.	1.50	15,000.00
01/01/17	SIERRA WHITE PAVING	10,000	SQ. FT.	1.50	15,000.00

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Authored by:  
Michael Todoran  
& Trent Okumura  
SWA GROUP



# the Landscape Architecture Podcast

Executive Producer of  
'The Landscape Architecture Podcast'



- Paul and Jack Haden
- Nick Straabe and Jason Wan
- Robert Andrade
- Shawn Maestretti
- Nahal Sohbaty and Eric Arneson
- Sandra Vlock
- Dr. Ghazal Jafari, Ana Maria Duran Calisto, and Khensani De Klerk
- Billy Flemming
- Julie Taylor
- Joey Santore
- Antoine Kunsch, Elisa Read Pappaterra, Clark Stevens
- James A. Lord and Roderick Wyllie
- Helen Lie and Ava Cheng
- Kofi Boone
- Janelle Brookes and Ethan Perrotte
- Wendy Miller
- Sebastien Penfornis and Thierry Kandjee
- Rick Crook and Justin Wait
- Nina Chase and Fallon Mihalic
- Mark Rios
- Kate Orff
- Gerdo Aquino
- Chriss Reed
- Allen Compton
- Meg Rushing Coffee
- Sahar Coston Hardy
- Jonathon Geels
- Bryce Carnehl
- Gage Couch and Rebecca Bradley
- Tori Kjer
- Signe Nielson and Molly Bourne
- Gina Ford
- Greg Kochanowski
- Aditya Advani
- Emily Blackwell
- Nina Biggs
- Sam Harris
- Claire Latane
- United Catalysts
- Madena Asbell
- Josh Rosen
- Thomas Koolhass
- Jason Kentner
- Brian Kinzleman
- Dorothee Imbert
- Falon Mihalic
- Erualdo R. Gonzalez
- Joy Kuebler
- Audrey Sato
- Matthew Leasure
- Ken Smith
- Barbara Deutsch
- Eric Gilbey
- Brice Maryman
- Samuel Kim
- Greg Miller
- Vincent Onel
- Robert Perry
- Leigh Jerrard
- Sara Abed
- Karen Grajales
- Matt Sickle
- Craig Verzone
- Michael Batts
- Bradfor McKee







Producer: Michael Todoran  
Client: Studio-MLA  
Subject: Sofi Stadium  
Run Length: 44 minutes  
Inglewood, CA



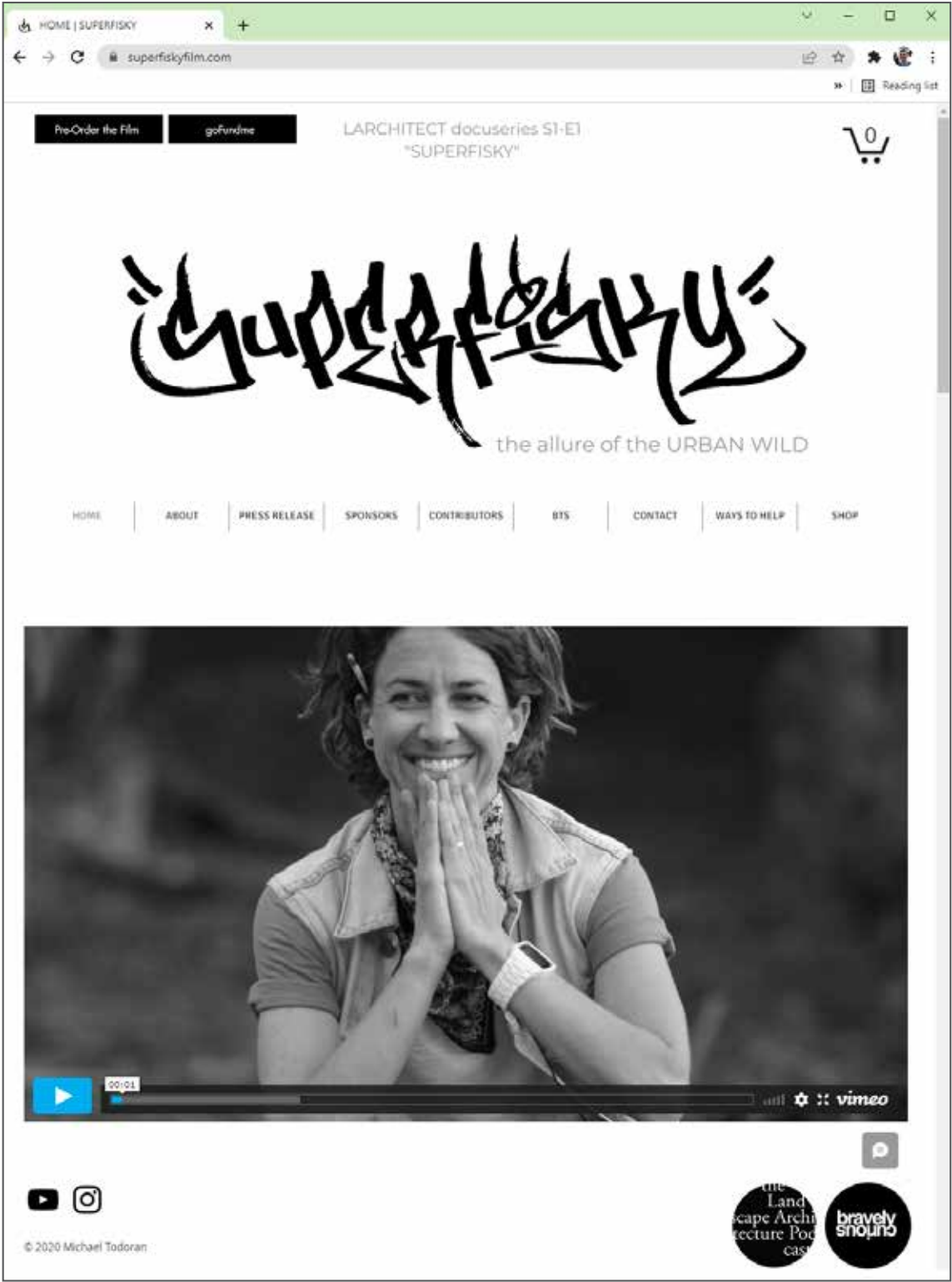
Producer: Michael Todoran  
Client: C2 Collaborative  
Subject: Playa Vista  
Run Length: 20 minutes  
Playa Vista, CA



Producer: Michael Todoran  
Client: The Landscape Architecture Podcast  
Subject: Climate Crisis  
Run Length: 17 minutes  
Filmed at ASLA Convention 2018  
Philadelphia, PA



Producer: Michael Todoran  
Client: The Landscape Architecture Podcast  
Subject: Proactive Practice in Larch.  
Run Length: 79 minutes  
Venice, CA



Producer: Michael Todoran  
Full Feature Documentary: "SUPERFISKY"  
Currently Status: Post Production  
Run Length: TBD  
Los Angeles River



# WATCH THIS SPACE

Lighting designers protect  
the public realm

## WALTER HOOD

Landscapes shaped by Black lives

## RECOVERY INC.

Pictures from the last comeback

## PRACTICAL THEORY

A landscape criticism primer

# THE BACK / BACKSTORY

Producer: Michael Todoran

Full Feature Documentary: "SUPERFISKY"

Currently Status: Post Production

Run Length: TBD

Los Angeles River

## SUPERNATURAL

### A NEW LANDSCAPE ARCHITECTURE DOCUSERIES GOES BEHIND THE SCENERY.

BY PATRICK SISSON

**ABOVE**  
Michael Todoran  
interviews  
Kat Superfisky  
for a forthcoming  
docuseries episode  
on the L.A. River.

"It's hard to tell the story of the L.A. River without flying through it," says Michael Todoran, a landscape designer, lecturer, and podcast host. Along with his students at California State Polytechnic University, Pomona, in January Todoran began filming "Superfisky: The Allure of the Urban Wild," the first episode of *Larchitect*, a docuseries devoted to landscape architecture. This in-progress episode focuses on Kat Superfisky, a landscape designer, ecologist, and educator working to restore the natural beauty and native plant life on the shores of the mostly concrete-lined waterway. When the landscape, specifically the Los Angeles River, is a supporting character in your story, visual exposition becomes critical. The best solution was a helicopter shot that showed the true breadth and boundless energy of this body of water.

Challenged by the lockdowns and distancing of COVID-19, the film crew obtained aerial footage in April

via a bit of serendipity: Todoran saw footage on YouTube uploaded by the helicopter pilot Micah Muzio of a then newly desolate Los Angeles, reached out, and was rewarded with golden-hour footage of the river's entire expanse.

That footage, and the story behind it, undergirds the DIY, music-doc drive the trailer and finished footage convey. Superfisky, a colleague of Todoran's at Cal Poly Pomona, exudes lead singer vibes, Todoran says, and is a charismatic, passionate practitioner who can captivate audiences. Point-of-view shots from a GoPro strapped to her chest show her hands and arms in dynamic motion as she talks. The class watched *Chinatown*, another L.A. River story, to get inspired. The graffiti legend Marcel "Sel" Blanco did the title credits. The cameras capture Superfisky during a season of change: working on the river and mourning the loss of her mentor Lewis MacAdams, who founded Friends of the Los Angeles River in

1986 and is largely credited with kick-starting the river's revitalization.

Todoran is working to finish editing and postproduction for the first episode outside of class, with a hoped-for July 2021 release date. (Supporters can preorder the film and donate at [superfiskysfilm.com](http://superfiskysfilm.com).) He's most proud of the personality and storytelling that come through the footage. The feeling of his *Landscape Architecture Podcast*—which offers long-form, unfiltered opportunities to talk processes and explore the lives of people in the profession—informs what he hopes will become a similarly deep visual portrait of Superfisky.

"When you share these stories and vulnerabilities, there is real impact," he says. "I'm a firm believer in allowing your true self out." ●

PATRICK SISSON IS A LOS ANGELES-BASED WRITER AND REPORTER FOCUSED ON URBANISM, ARCHITECTURE, DESIGN, AND THE TRENDS THAT SHAPE CITIES.

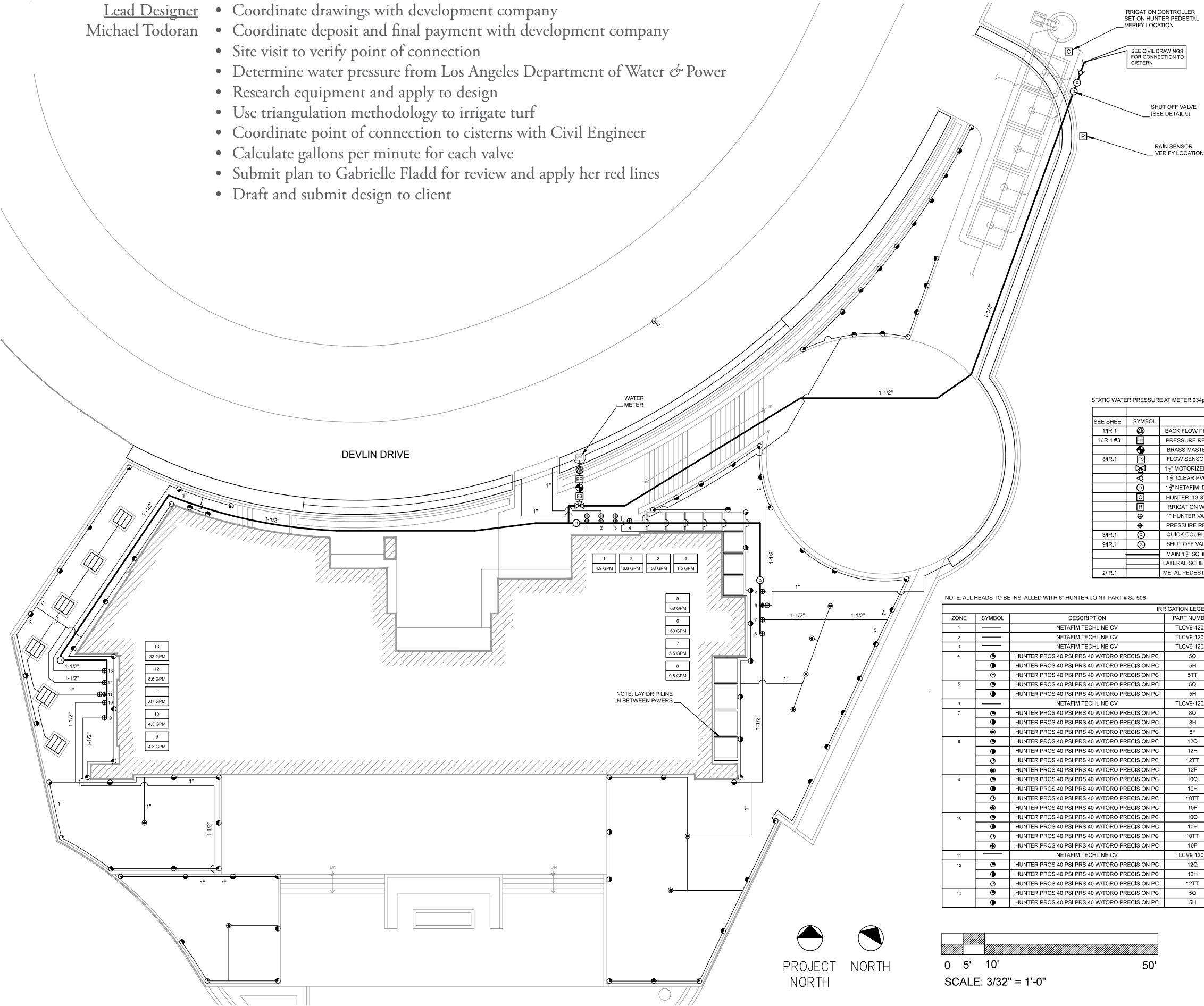
FRANCES CAROLINE ADUINO



Irrigation Plan

Lead Designer  
Michael Todoran

- Coordinate drawings with development company
- Coordinate deposit and final payment with development company
- Site visit to verify point of connection
- Determine water pressure from Los Angeles Department of Water & Power
- Research equipment and apply to design
- Use triangulation methodology to irrigate turf
- Coordinate point of connection to cisterns with Civil Engineer
- Calculate gallons per minute for each valve
- Submit plan to Gabrielle Fladd for review and apply her red lines
- Draft and submit design to client



IRRIGATION CONTROLLER  
SET ON HUNTER PEDESTAL  
VERIFY LOCATION

SEE CIVIL DRAWINGS  
FOR CONNECTION TO  
CISTERN

SHUT OFF VALVE  
(SEE DETAIL 9)

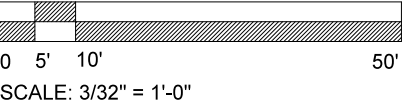
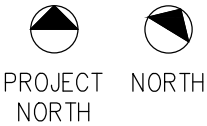
RAIN SENSOR  
VERIFY LOCATION

STATIC WATER PRESSURE AT METER 234psi - 196psi PER KEVIN AT LADWP (213) 367-1221

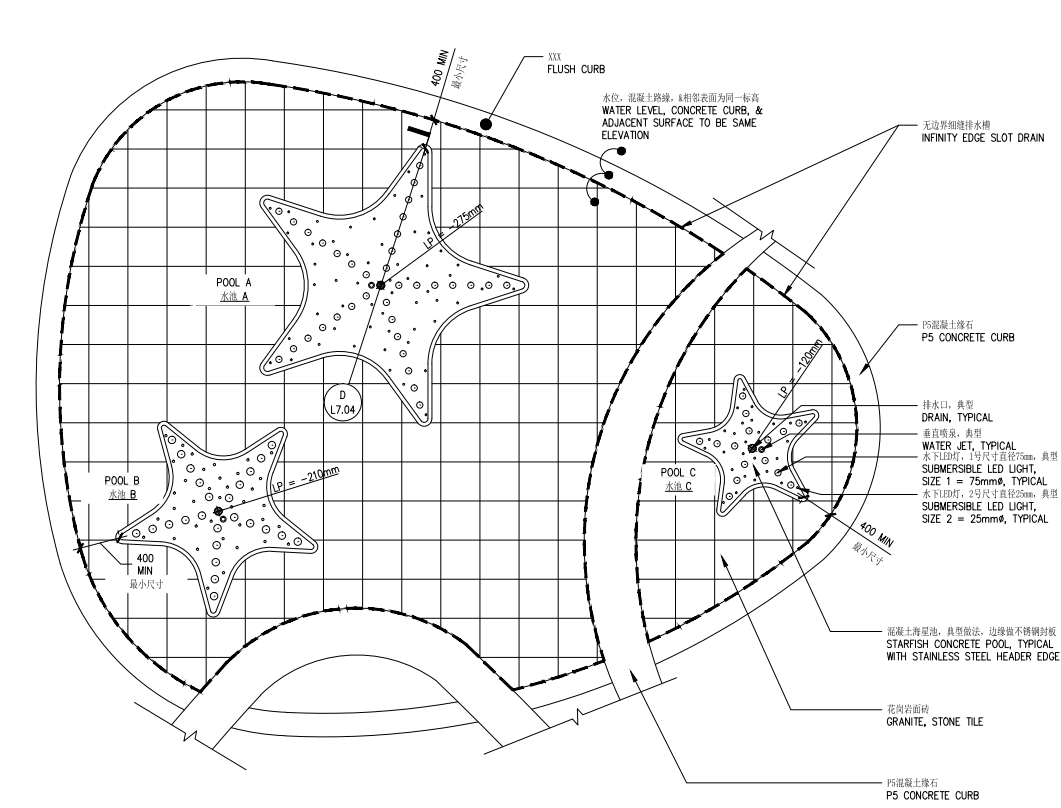
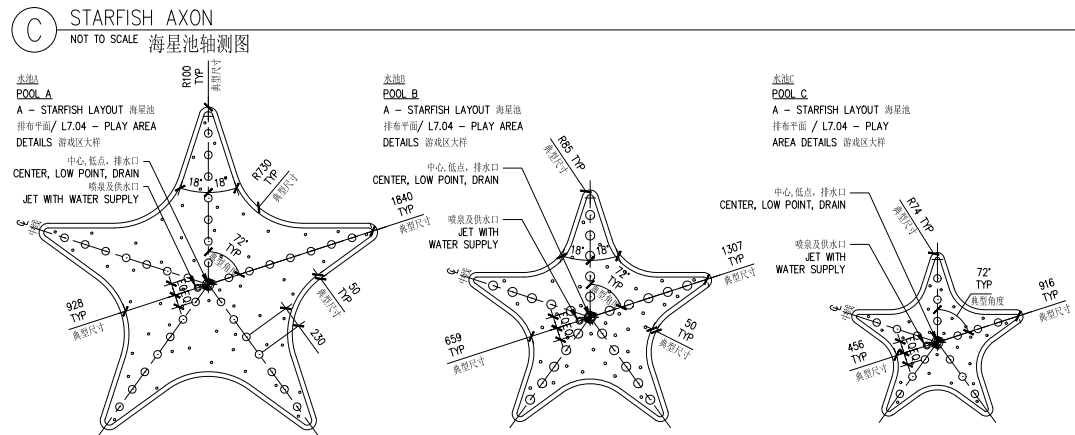
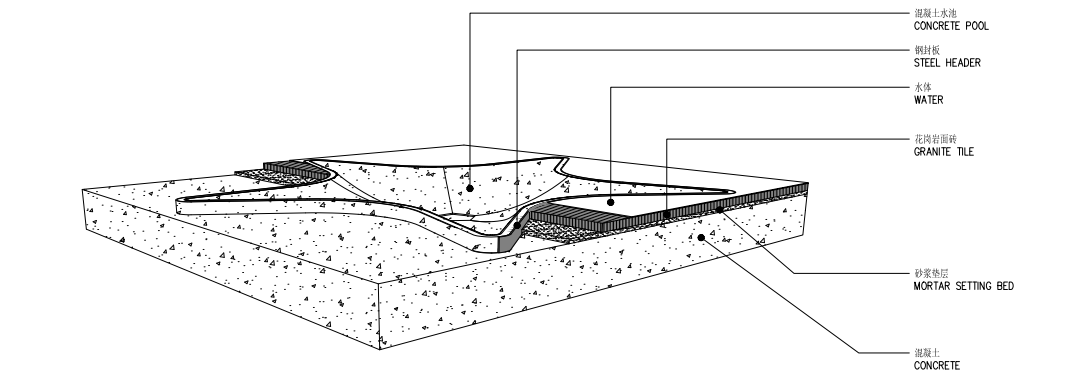
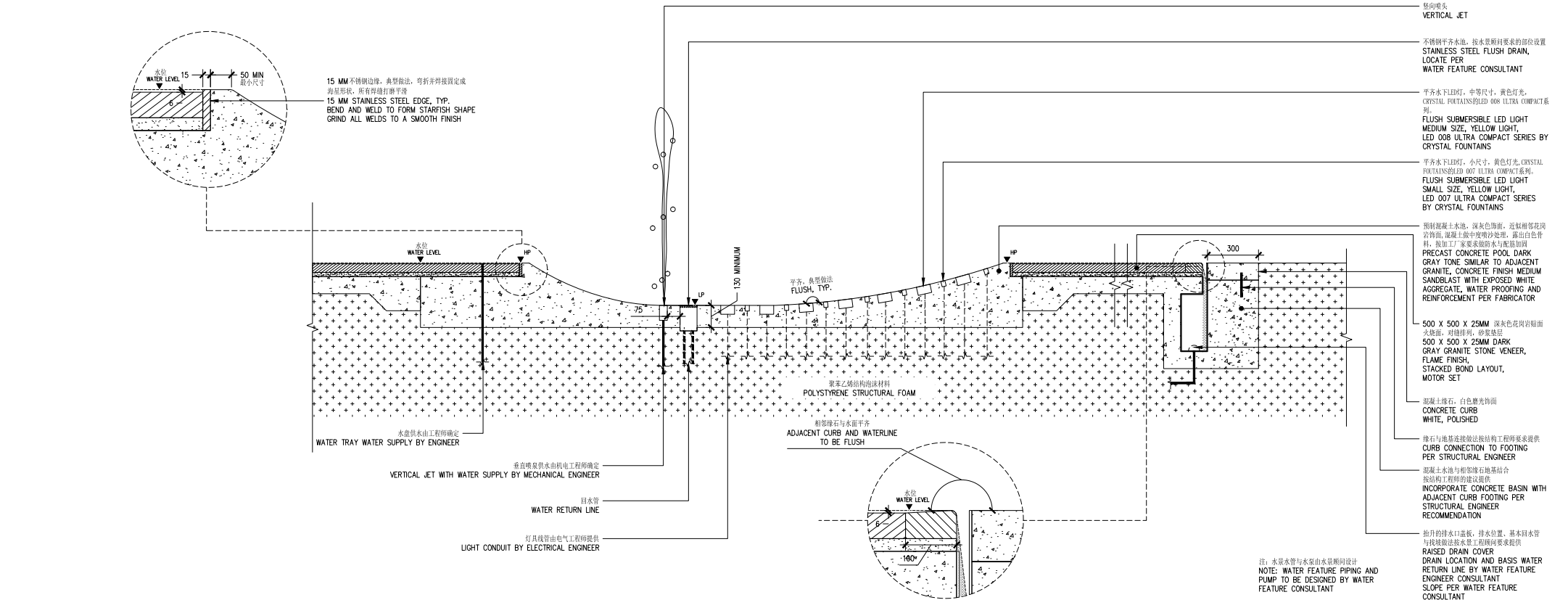
IRRIGATION LEGEND			
SEE SHEET	SYMBOL	DESCRIPTION	MANUFACTURE / PART NUMBER
1/IR.1		BACK FLOW PREVENTOR	WILKINS 375 XL 1 1/2"
1/IR.1 #3		PRESSURE REGULATOR (PRESET AT 60-65 PSI)	WILKINS W500XL
		BRASS MASTER VALVE	SUPERIOR 3200 1 1/2"
8/IR.1		FLOW SENSOR	FLOW SYNC HFS-FCT-150
		1 1/2" MOTORIZED 3-WAY BACK UP VALVE	BONAMI 8E066-A
		1 1/2" CLEAR PVC CHECK VALVE	FLOW CONTROL 1520C15
		1 1/2" NETAFIM DISK FILTER	DF150-120
		HUNTER 13 STATION IRRIGATION CONTROLLER	IC-600-M (ADD TWO ICM-600 MODULES)
		IRRIGATION WEATHER SENSOR	SOLAR SYNC
		1" HUNTER VALVE	ICV 101G
		PRESSURE REGULATOR / WYE FILTER	AGRIFIM PRVF -40
3/IR.1		QUICK COUPLING VALVE	HQ-33DRC
9/IR.1		SHUT OFF VALVE	HQ-33DRC
		MAIN 1 1/2" SCHEDULE 40	-
		LATERAL SCHEDULE 40 (SEE PLAN FOR LINE SIZE)	-
2/IR.1		METAL PEDESTAL FOR IRRIGATION CONTROLLER	HUNTER - ACC PED

NOTE: ALL HEADS TO BE INSTALLED WITH 6" HUNTER JOINT, PART # SJ-506

IRRIGATION LEGEND										
ZONE	SYMBOL	DESCRIPTION	PART NUMBER	PRESSURE	GPM	GPH	QUANTITY	RADIUS	SUBTOTAL	TOTAL GPM
1	---	NETAFIM TECHLINE CV	TLCV9-12025	30 PSI	-	0.9	328 LN FT	-	4.92	4.9
2	---	NETAFIM TECHLINE CV	TLCV9-12025	30 PSI	-	0.9	440 LN FT	-	6.6	6.6
3	---	NETAFIM TECHLINE CV	TLCV9-12025	30 PSI	-	0.9	56 LN FT	-	.08	.08
4		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	5Q	30 PSI	.06	-	2	5'	.12	1.5
		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	5H	30 PSI	.10	-	13	5'	1.3	
		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	5TT	30 PSI	.08	-	1	5'	.08	
5		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	5Q	30 PSI	.06	-	3	5'	.18	.68
		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	5H	30 PSI	.10	-	5	5'	.5	
6	---	NETAFIM TECHLINE CV	TLCV9-12025	30 PSI	-	0.9	396 LN FT	-	.60	.60
7		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	8Q	30 PSI	.14	-	3	8'	.42	5.5
		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	8H	30 PSI	.26	-	11	8'	2.86	
		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	8F	30 PSI	.55	-	4	8'	2.2	
8		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	12Q	30 PSI	.34	-	3	12'	1.02	9.8
		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	12H	30 PSI	.70	-	8	12'	5.6	
		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	12TT	30 PSI	.46	-	1	12'	.46	
		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	12F	30 PSI	1.35	-	2	12'	2.7	
9		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	10Q	30 PSI	.26	-	3	10'	.78	4.3
		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	10H	30 PSI	.48	-	4	10'	1.92	
		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	10TT	30 PSI	.63	-	1	10'	.63	
		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	10F	30 PSI	.95	-	1	10'	.95	
10		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	10Q	30 PSI	.26	-	3	10'	.78	4.3
		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	10H	30 PSI	.48	-	5	10'	1.92	
		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	10TT	30 PSI	.63	-	1	10'	.63	
		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	10F	30 PSI	.95	-	1	10'	.95	
11	---	NETAFIM TECHLINE CV	TLCV9-12025	30 PSI	-	0.9	48 LN FT	-	.07	.07
12		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	12Q	30 PSI	.34	-	4	12'	1.36	8.6
		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	12H	30 PSI	.70	-	9	12'	6.3	
		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	12TT	30 PSI	.90	-	1	12'	.9	
13		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	5Q	30 PSI	.06	-	2	5'	.12	.32
		HUNTER PROS 40 PSI PRS 40 W/TORO PRECISION PC	5H	30 PSI	.10	-	2	5'	.2	







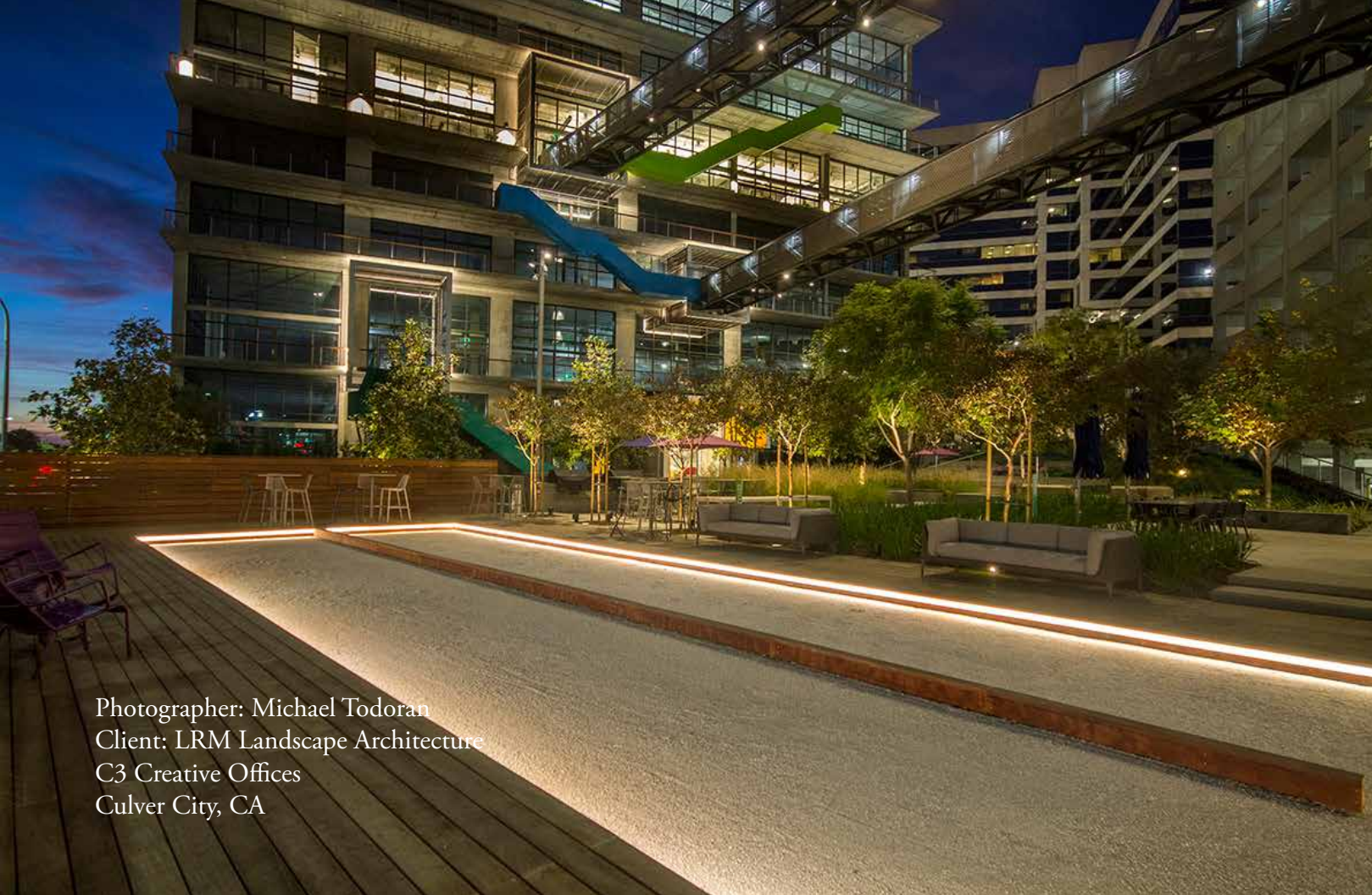




Photographer: Michael Todoran  
Client: Studio-MLA  
Ishihara Park  
Los Angeles, CA



Photographer: Michael Todoran  
Client: SWA Group Los Angeles  
Milton Park  
Culver City, CA



Photographer: Michael Todoran  
Client: LRM Landscape Architecture  
C3 Creative Offices  
Culver City, CA



Photographer: Michael Todoran  
Client: Lifescapes International  
The Grove  
Los Angeles, CA



Drone Photographer: Michael Todoran  
Client: Cal Poly Pomona  
Tongva Park  
Santa Monica, CA



Drone Photographer: Michael Todoran  
Client: Bockholt Landscape Architecture  
Park City, UT



Drone Photographer: Michael Todoran  
Client: Bockholt Landscape Architecture  
Park City, UT



Drone Photographer: Michael Todoran  
Client: Bockholt Landscape Architecture  
Park City, UT





My thesis is to demonstrate the potential of public spaces as opportunities to create an inclusive environment to the skateboarding community for the betterment.

FLEXIBLE SKATE PLAZAS

Methodology / Design Process

By

MICHAEL TRAJAN TODORAN  
Master in Landscape Architecture

The Ohio State University

Columbus, Ohio

2012

JASON KENTNER

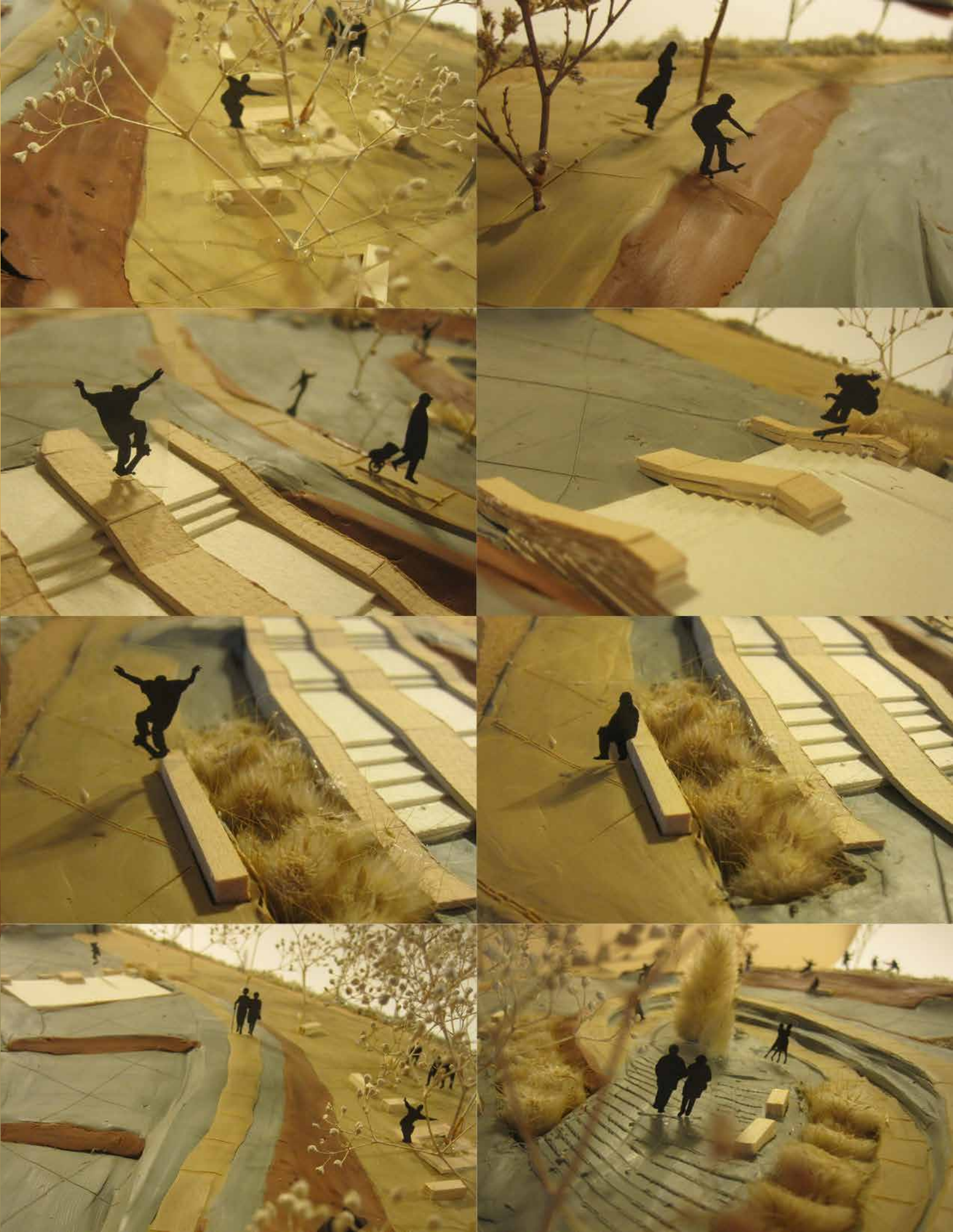
JESUS J. LARA, PhD

JEFF PONGONIS

MASTER OF LANDSCAPE ARCHITECTURE

May / 30 / 2012

- synthesize literature review
- diagram existing successful skate parks and it's relationship to the landscape
- began sketching initial concepts with attempts at incorporating flexibility
- critique of concepts: scale issues, problematic circulation, weak application of flexible program
- acquire construction documents of existing skate parks and identify spatial relationships from the detail level
- consciously abandon the flexible program and focus strictly on formal elements
- revisit precedents that exemplify progressive attitudes
- articulate the significance of what makes popular unintended spaces desirable
- acknowledge spaces that offer shifts in perspective
- identify outliers





FINE ART

Violin Deck  
Limited Edition of 25

Media

- Canadian Maple Wood Decks

Tools

- Band saw
- Scroll Saw
- Drill Press
- Oscillating Spindle Sander





Lead Designer: Michael Todoran  
Freelance Client  
Private Residence  
Venice, CA



*Thank you for your consideration*

*Michael Trajan Todoran*  
Michael Trajan Todoran  
Salt Lake City, Utah USA

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