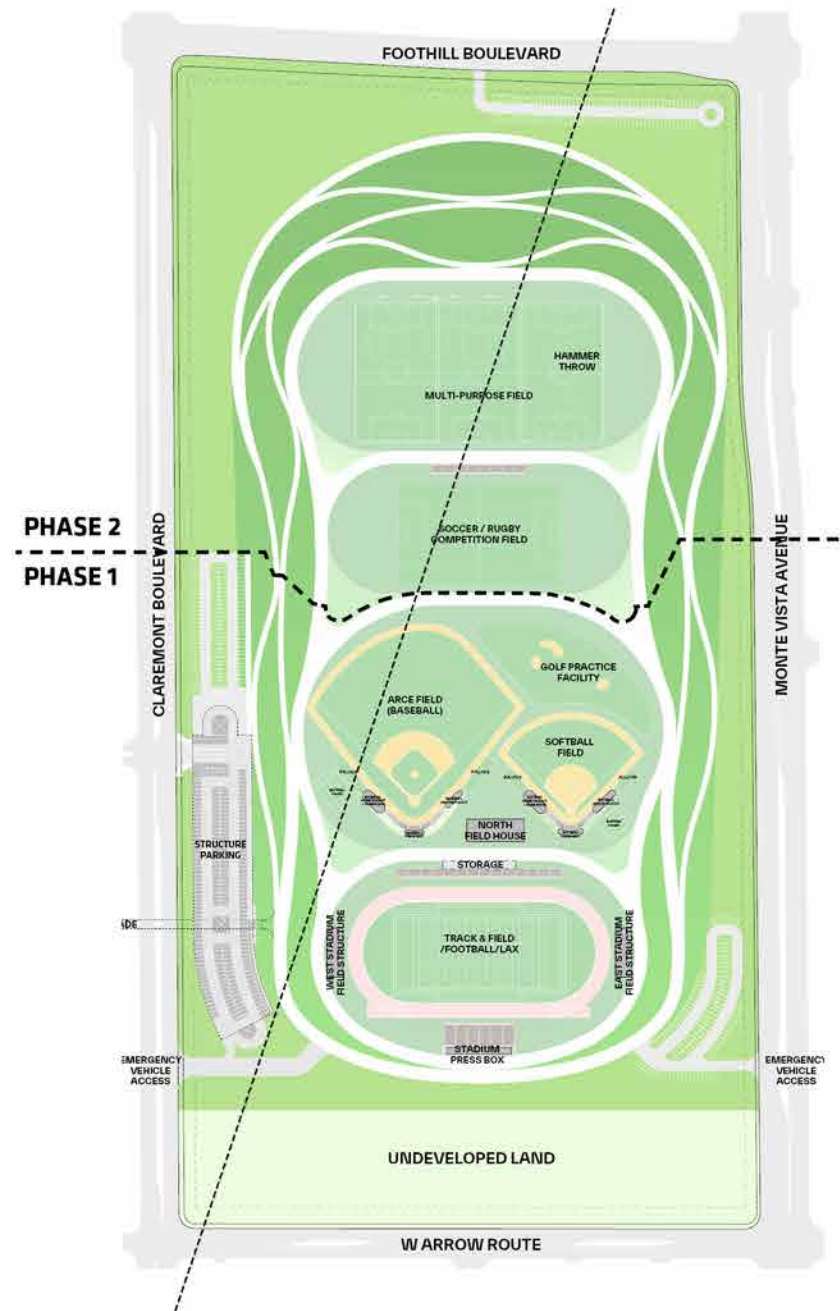




CLAREMONT McKENNA COLLEGE

ROBERTS CAMPUS SPORTS BOWL

CLAREMONT DESIGN REVIEW AND UPLAND DEVELOPMENT PLAN REVIEW
2025.05.28



City of Claremont : Revised Conceptual Site Plan for the Sports Bowl approved by the Architectural and Preservation Commission on July 24, 2024 (Resolution NO. 2024-10).

City of Upland : Revised Conceptual Site Plan for the Sports Bowl approved by the Planning Commission on June 26, 2024 (Resolution 5011).

Determination of compatibility with the Cable Airport Land Use Compatibility Plan by the Upland Airport Land Use Committee on June 26, 2024 (Resolution 5010).

APPROVED SITE PLAN

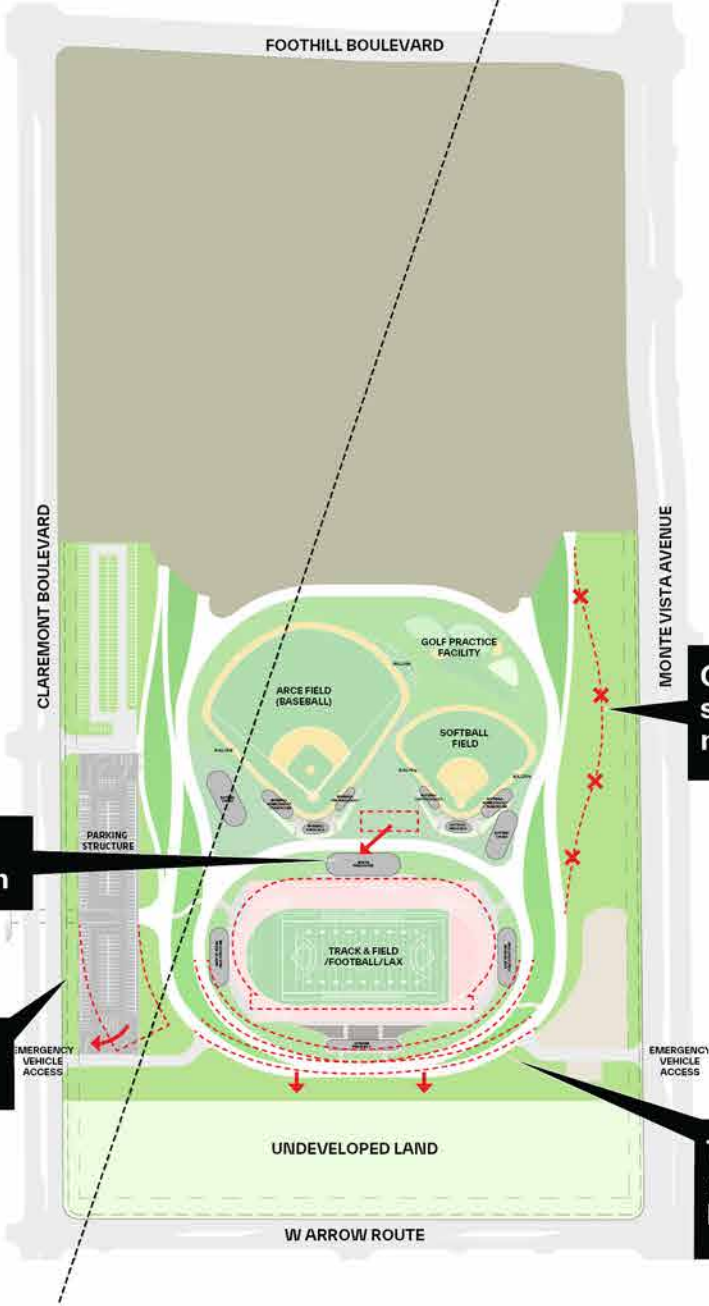
The adjustments are in substantial conformance with the conceptual site plan

North field house moved further south

Parking structure gets straightened.

One pathway was removed due to the steep slope and to preserve existing native vegetation at the embankment.

The shape of pathway surrounding track & field has been slightly updated



PHASE 1 PROJECT SITE PLAN

ROBERTS CAMPUS SPORTS BOWL
DESIGN



**ROBERTS CAMPUS EAST
SPORTS BOWL**

**CLAREMONT
UPLAND**



**SAN GABRIEL
MOUNTAINS**

SAN ANTONIO WASH

SITE





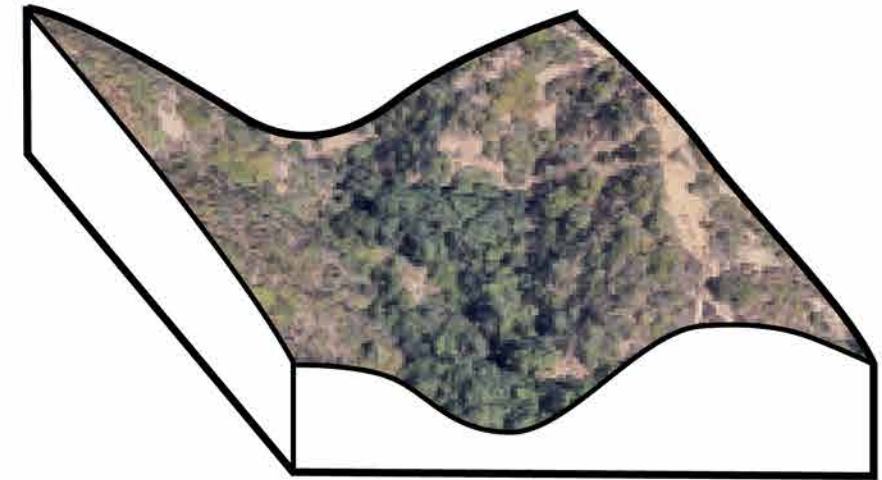
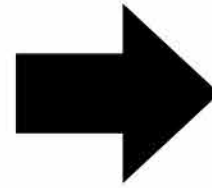
EXISTING: FORMER GRAVEL QUARRY & LANDFILL FACILITY



ROBERTS CAMPUS SPORTS BOWL

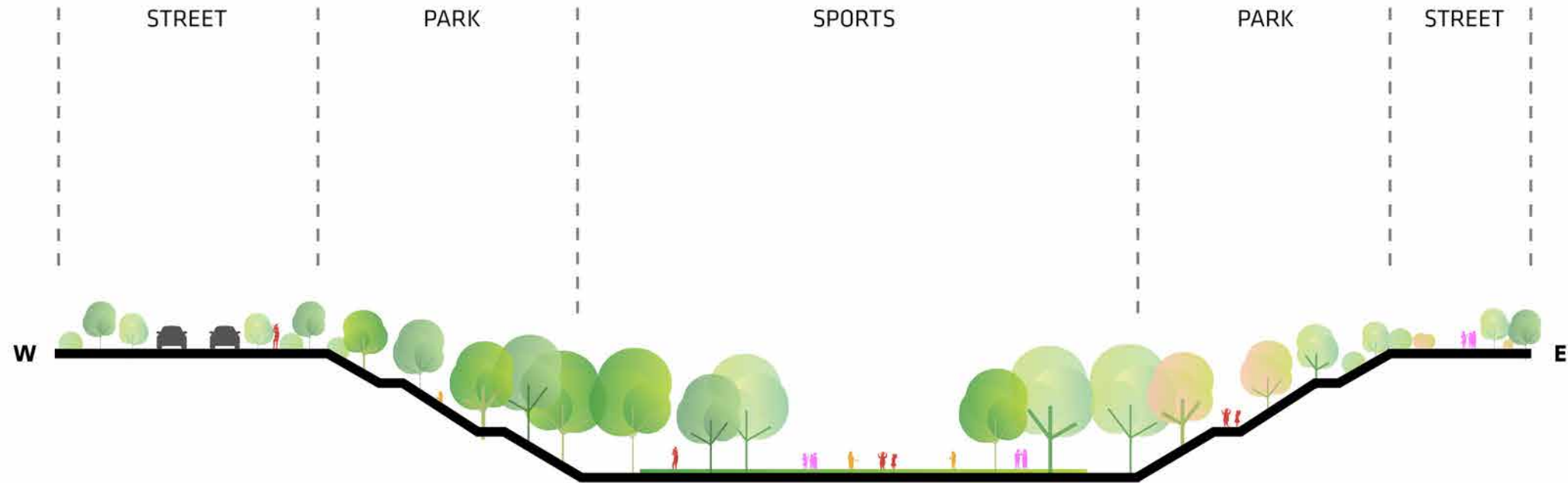


SAN GABRIEL MOUNTAINS

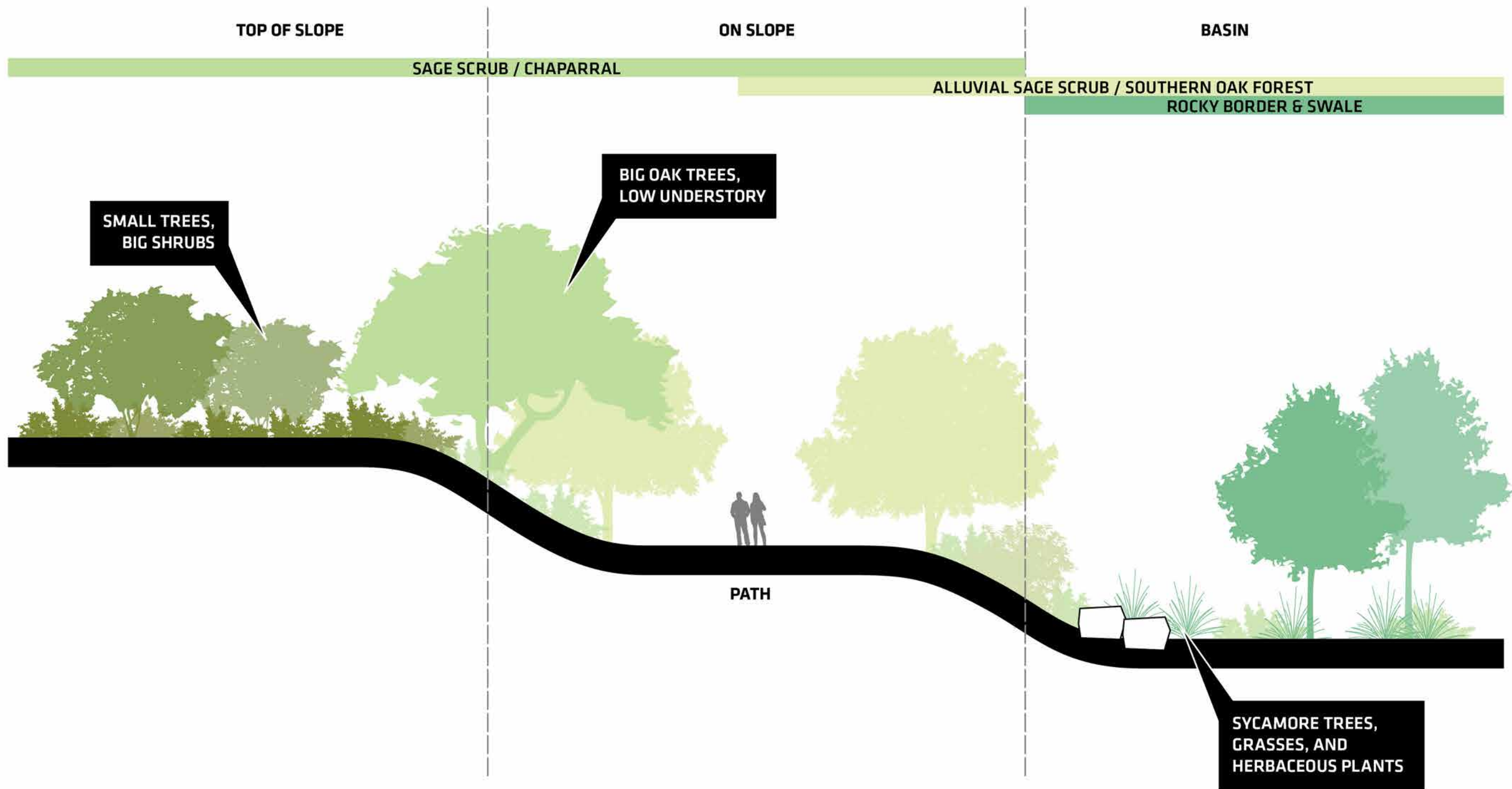


LUSH VALLEYS, DRY PEAKS

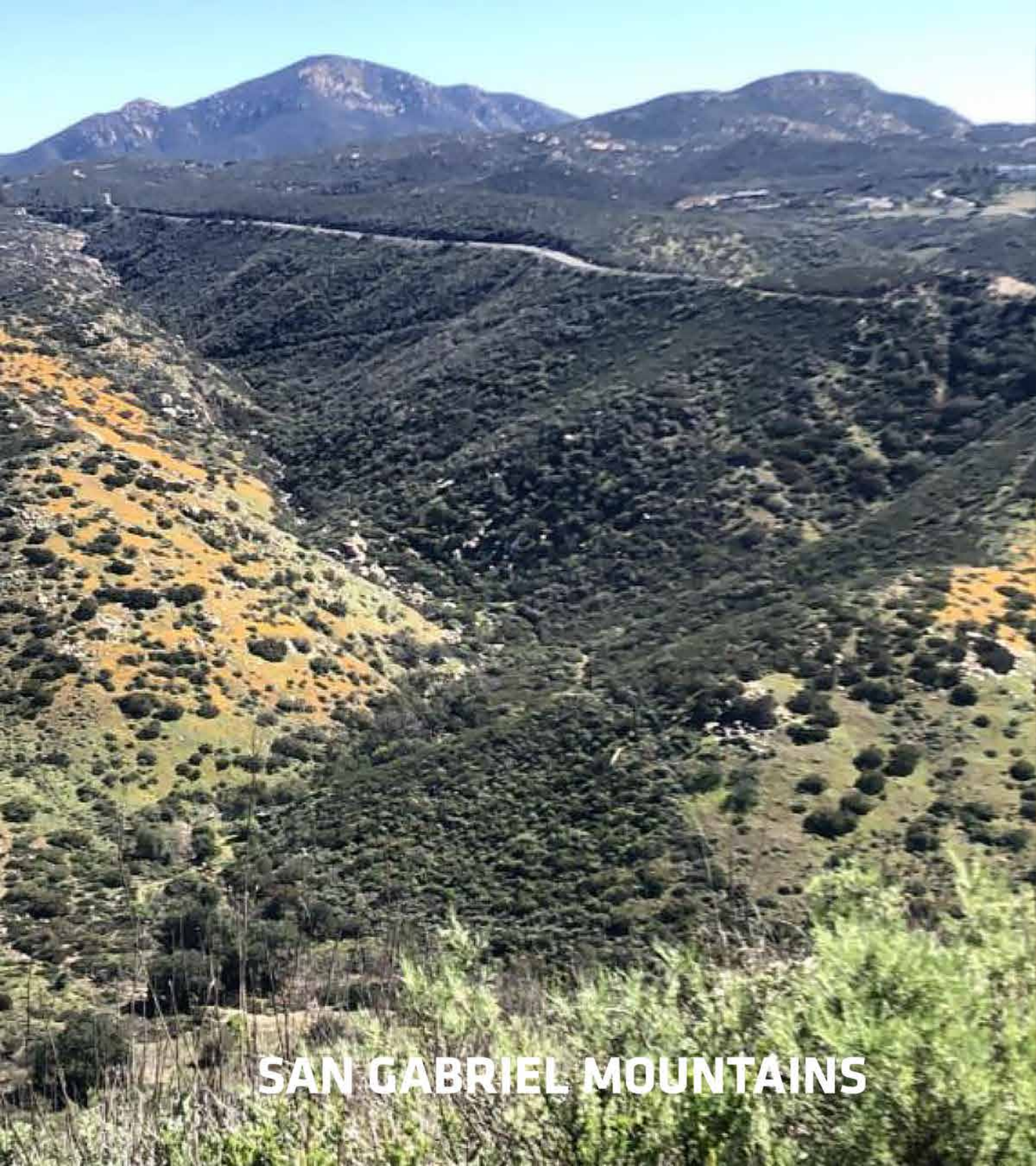
CONTEXT



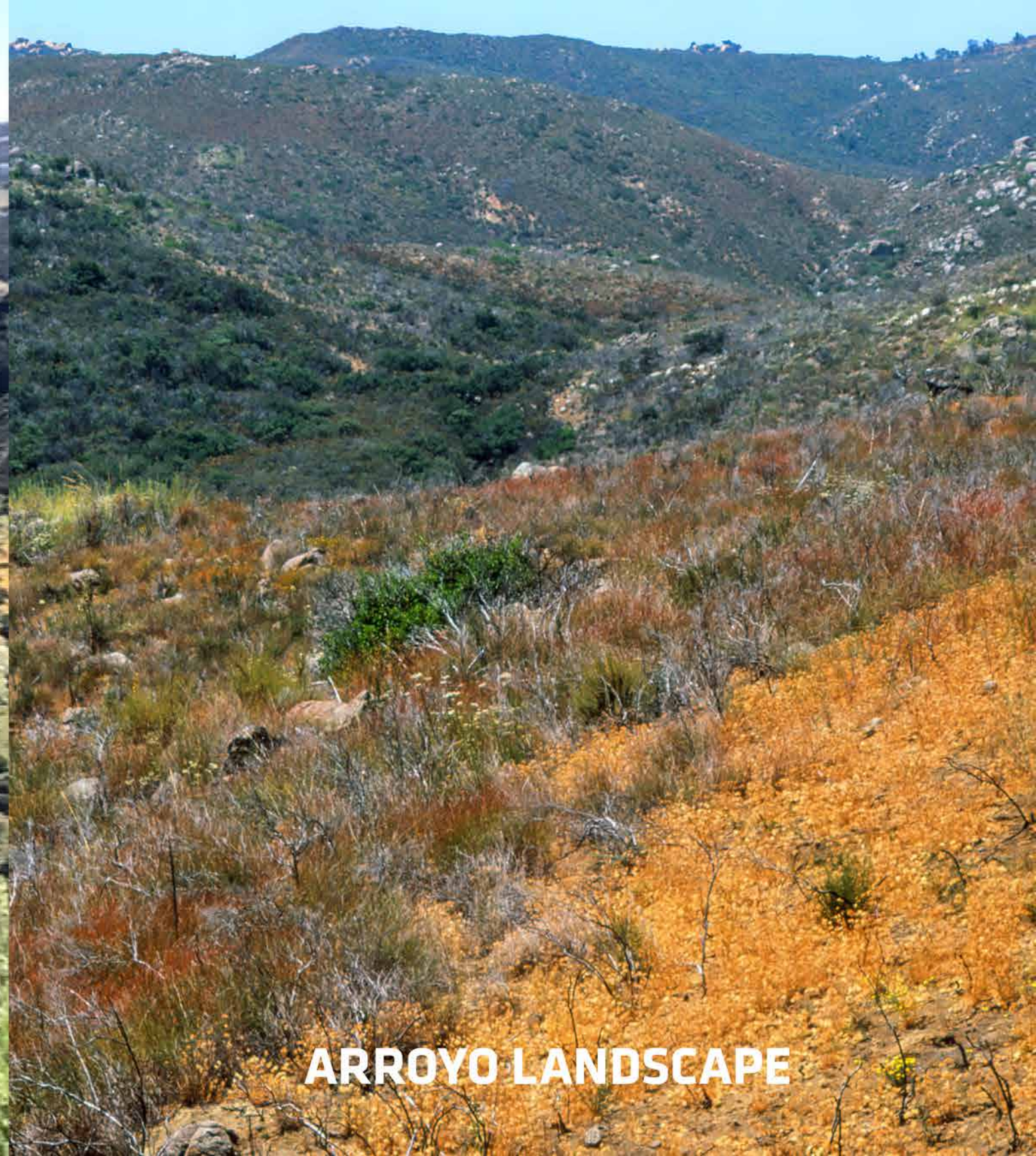
SPORTS BOWL DESIGN CONCEPT



SPORTS BOWL TYPOLOGY



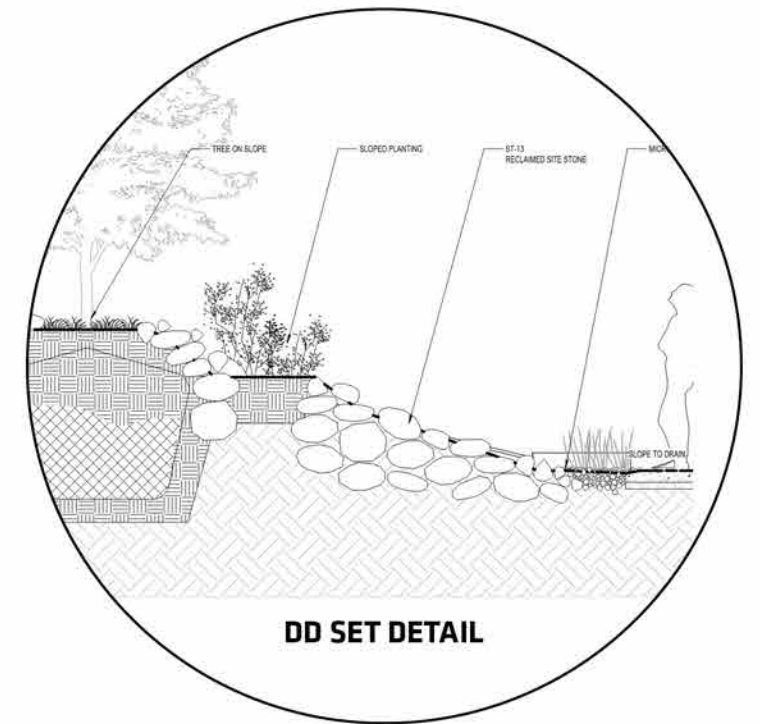
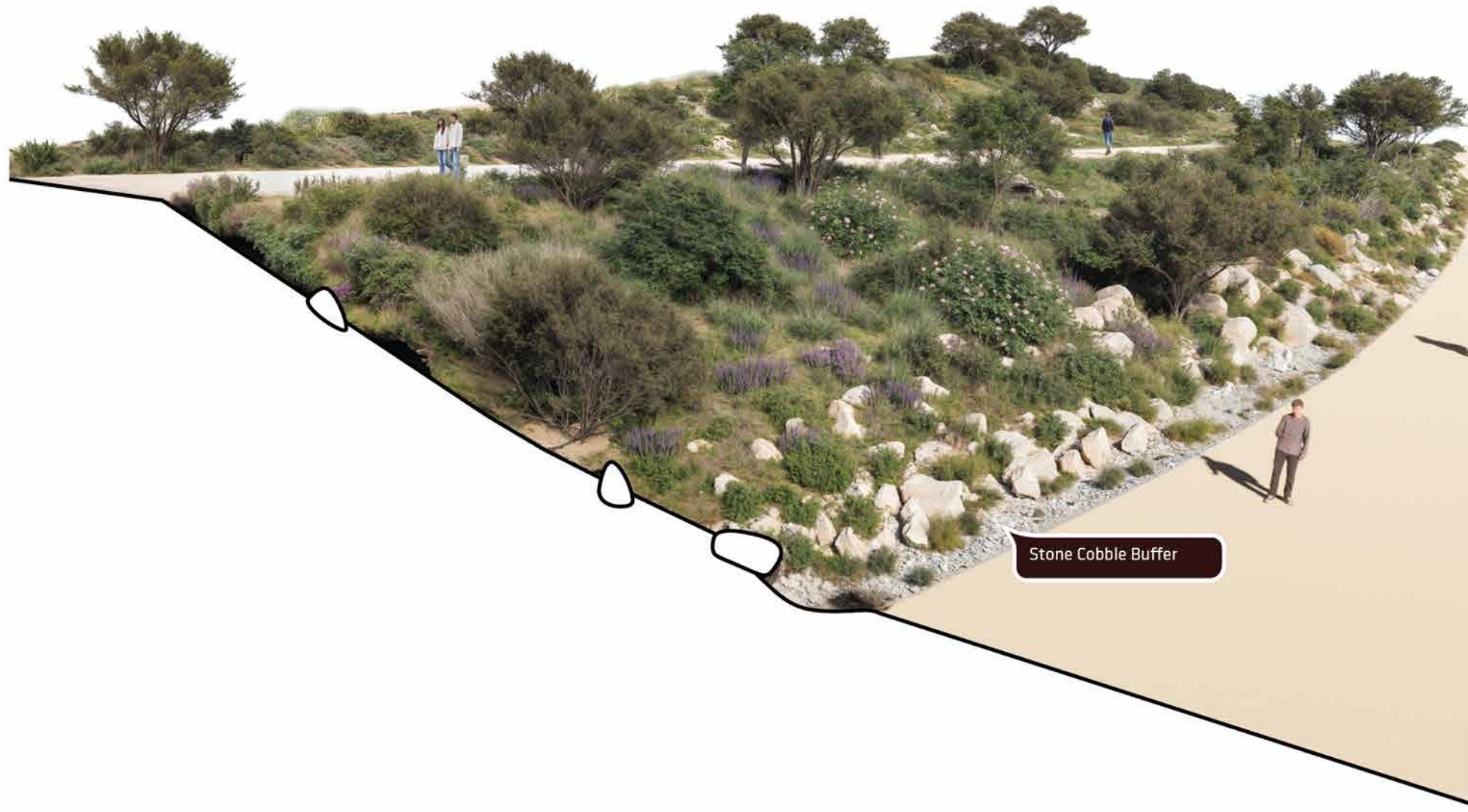
SAN GABRIEL MOUNTAINS



ARROYO LANDSCAPE



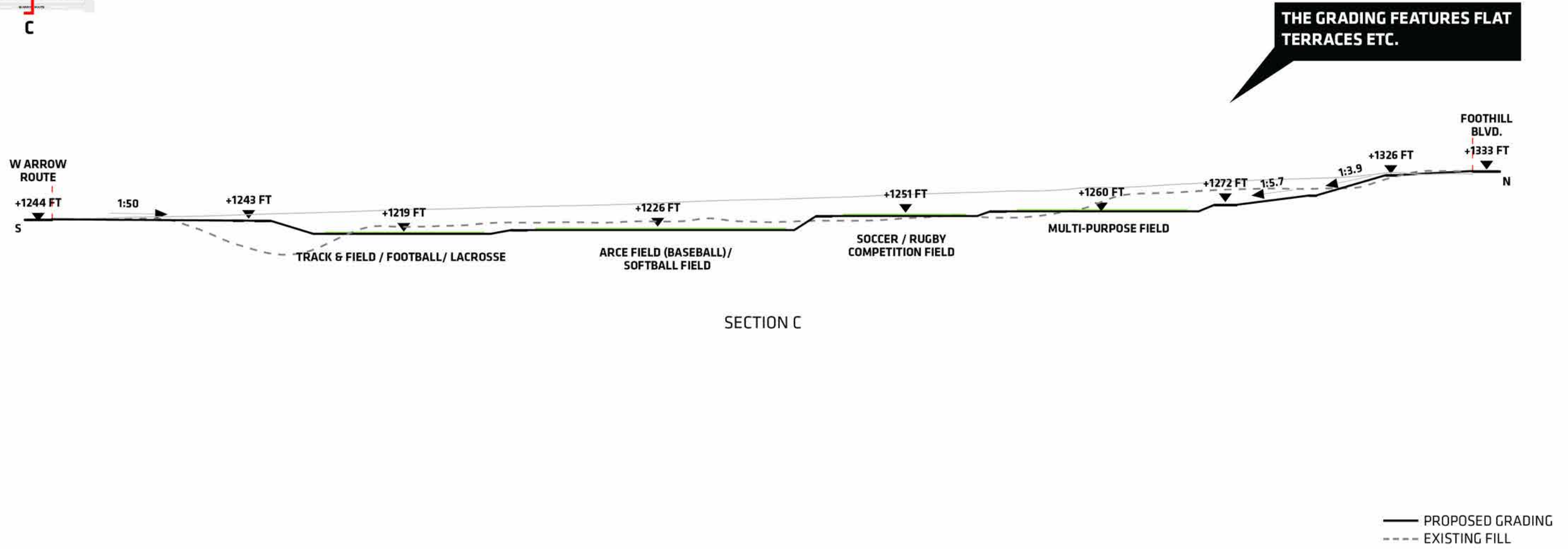
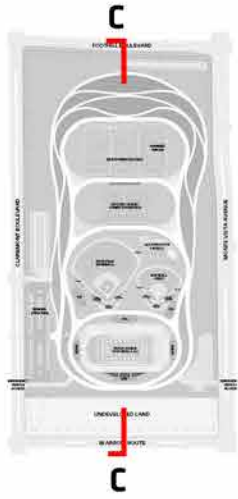
PALETTE



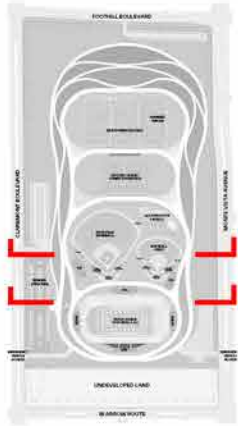
TYPICAL CHAPARRAL / SAGE SCRUB PLANTING



TYPICAL CHAPARRAL / SAGE SCRUB PLANTING



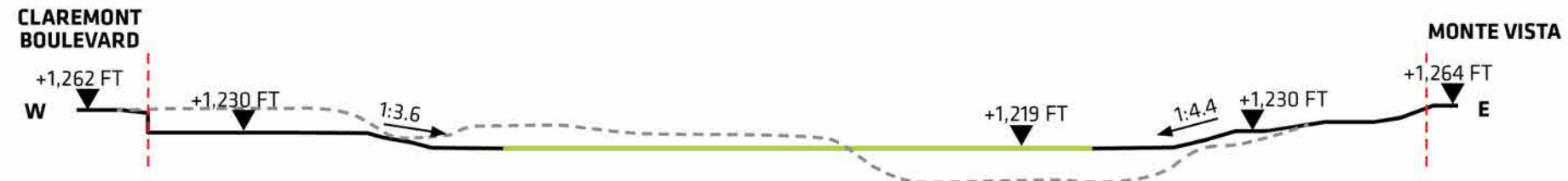
NORTH / SOUTH SECTION LOOKING EAST



A
B



SECTION A BASEBALL/ SOFTBALL FIELDS



SECTION B TRACK & FIELD / FOOTBALL / LACROSSE

— PROPOSED GRADING
- - - - EXISTING FILL

EAST / WEST SECTIONS LOOKING NORTH



SPORTS BOWL

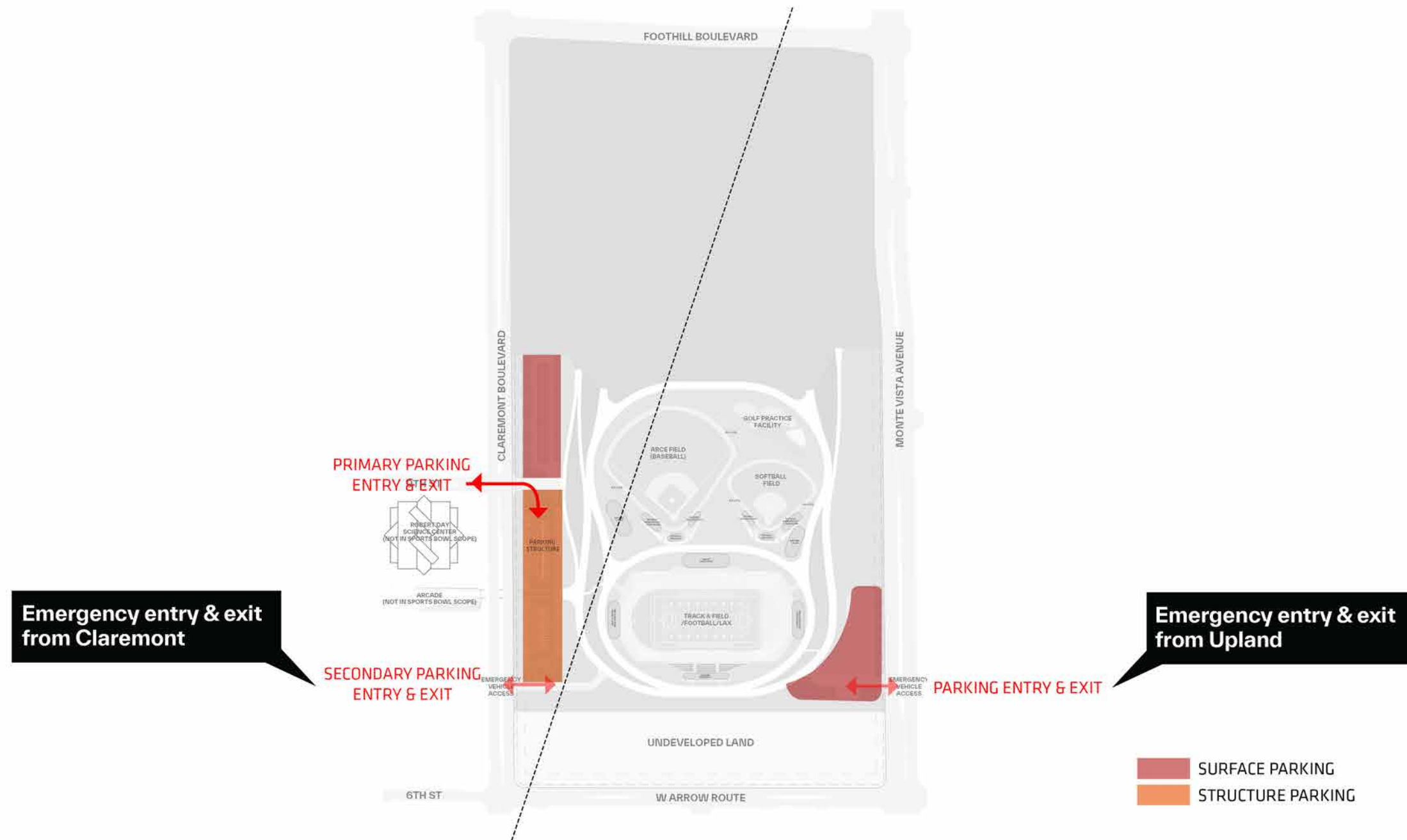
UPLAND PARKING &
SERVICE LOT



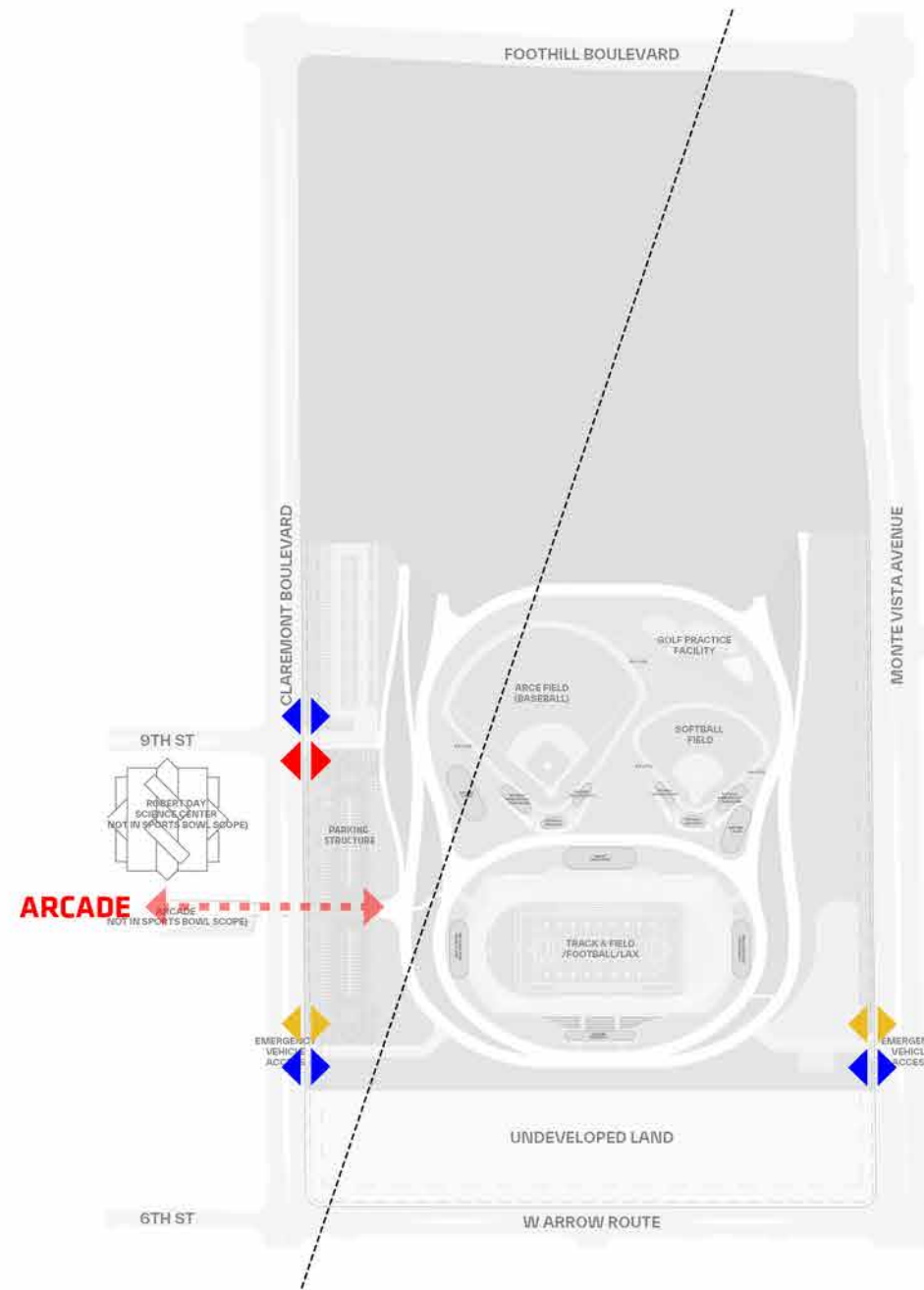
SPORTS BOWL - CITY OF CLAREMONT



SPORTS BOWL - CITY OF UPLAND



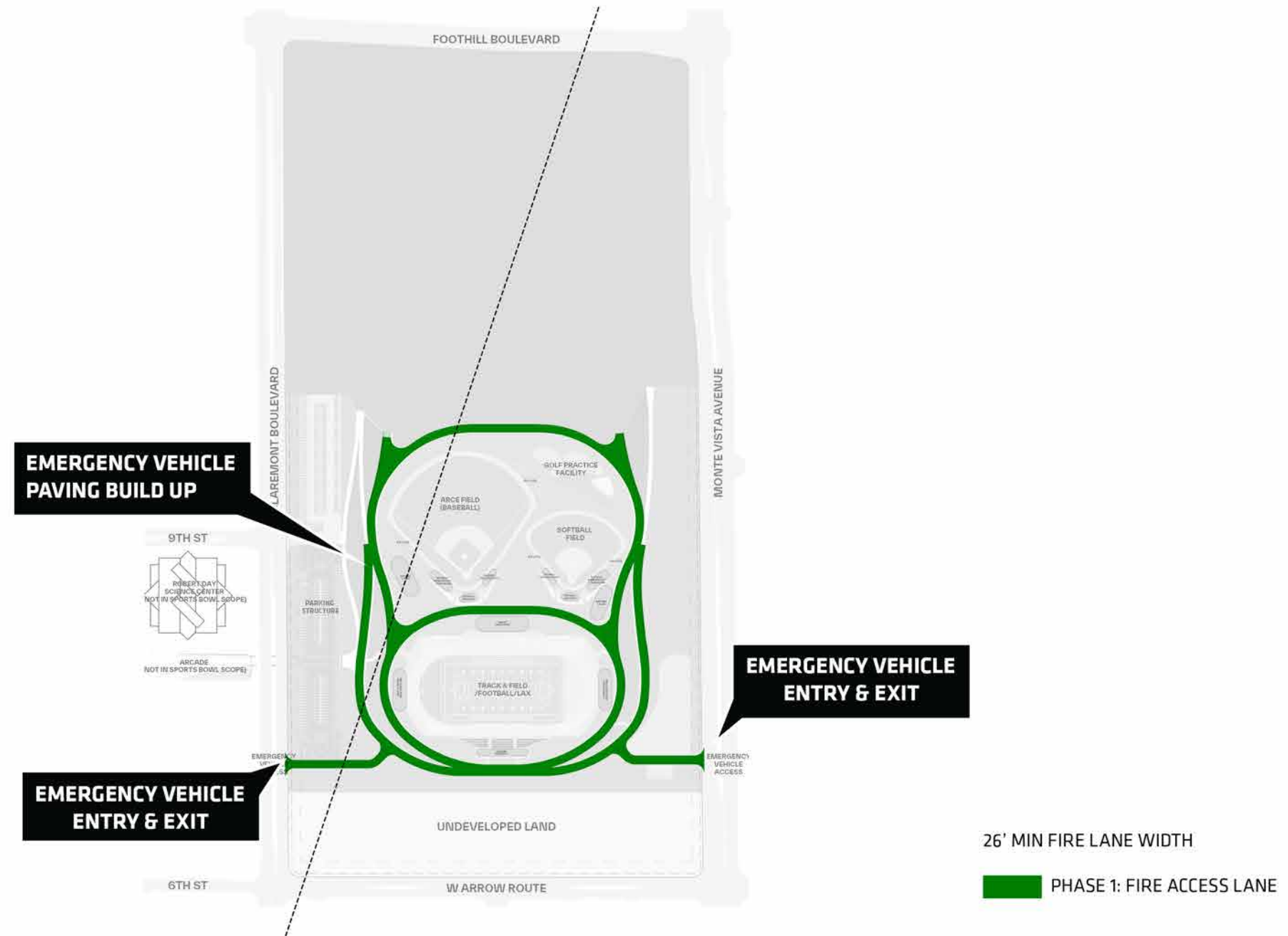
PARKING



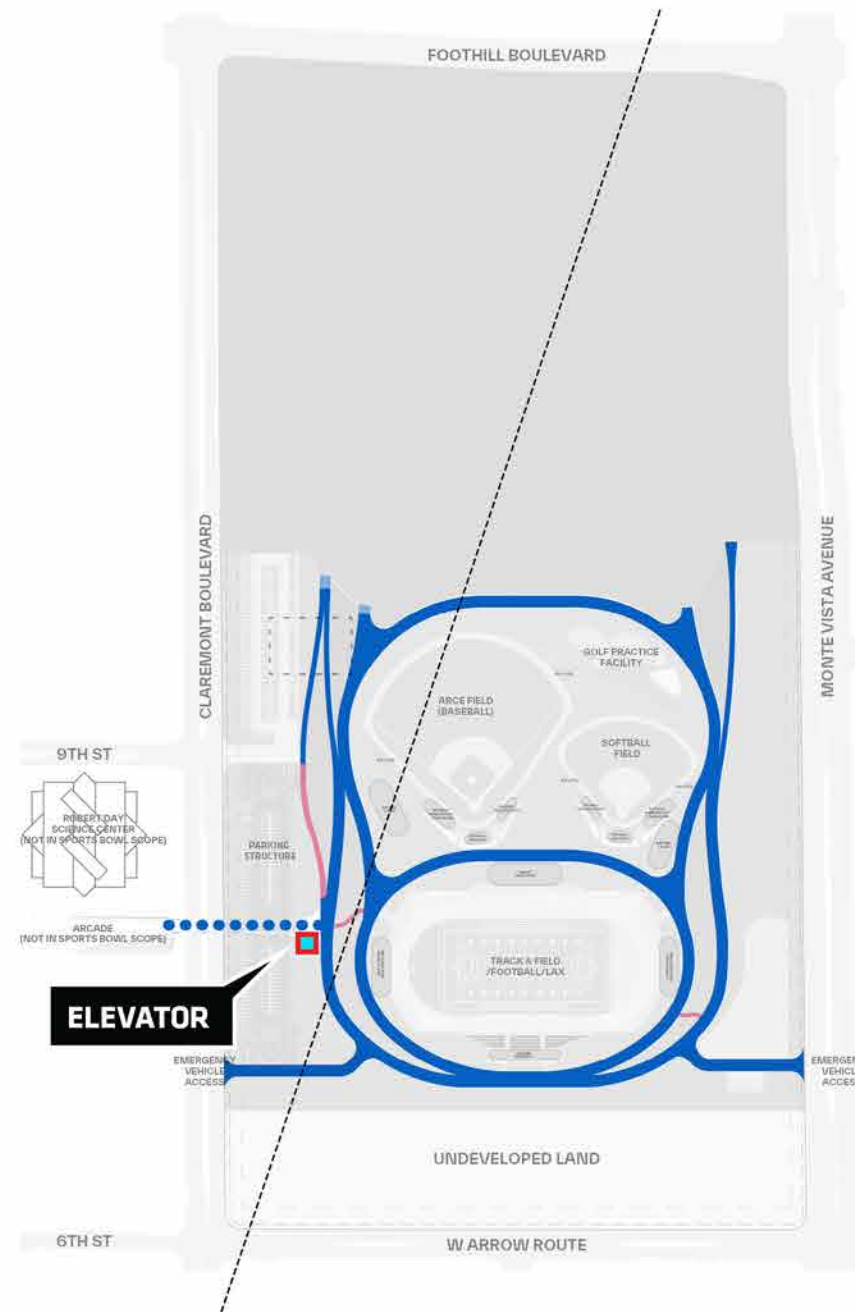
ACCESS

- PEDESTRIAN
- VEHICLE
- EMERGENCY VEHICLE



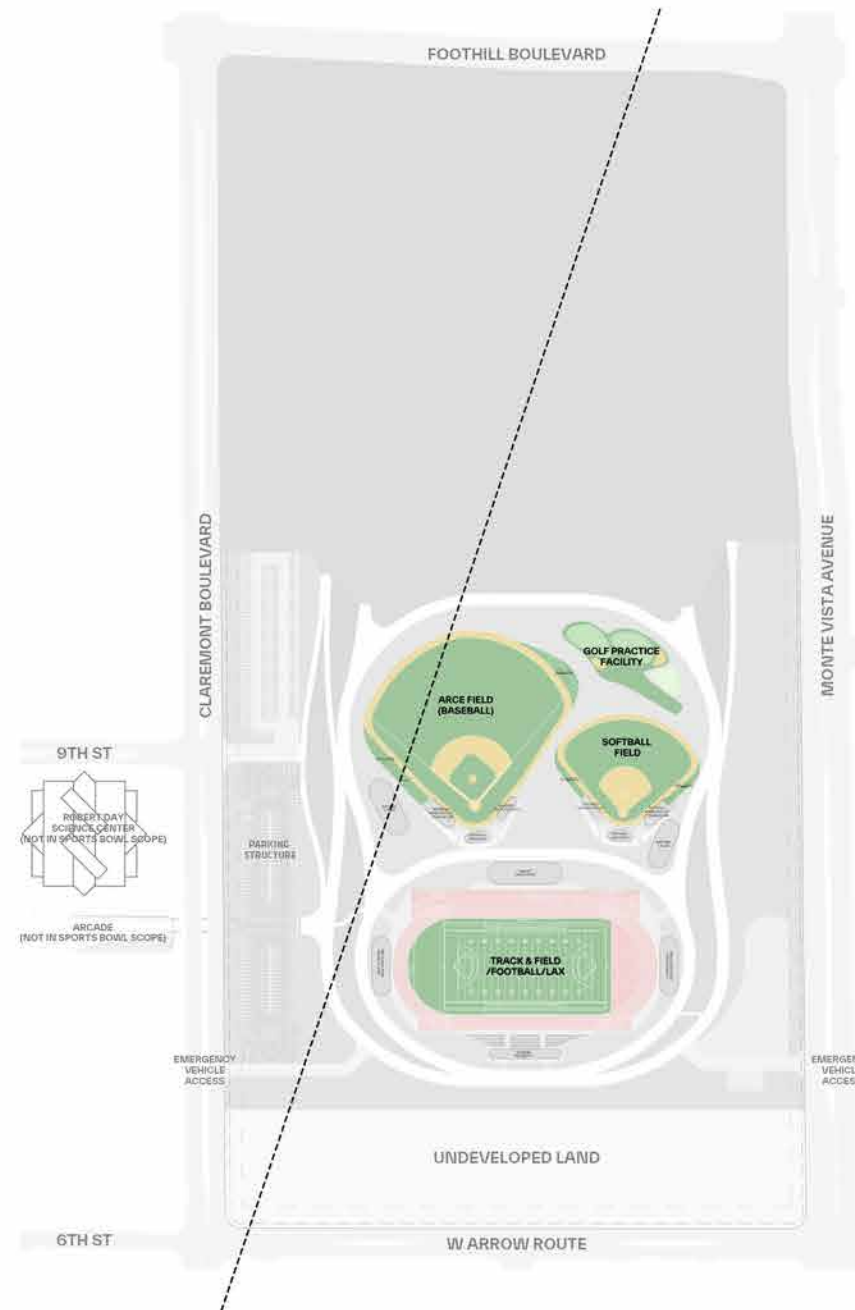


EMERGENCY VEHICLE PATH



-  ELEVATOR
-  PHASE 1: ACCESSIBLE ROUTE
-  PHASE 1: UNDERGROUND ACCESSIBLE ROUTE
-  PHASE 1: NON-ACCESSIBLE ROUTE

PEDESTRIAN ROUTE



SPORTS FIELDS



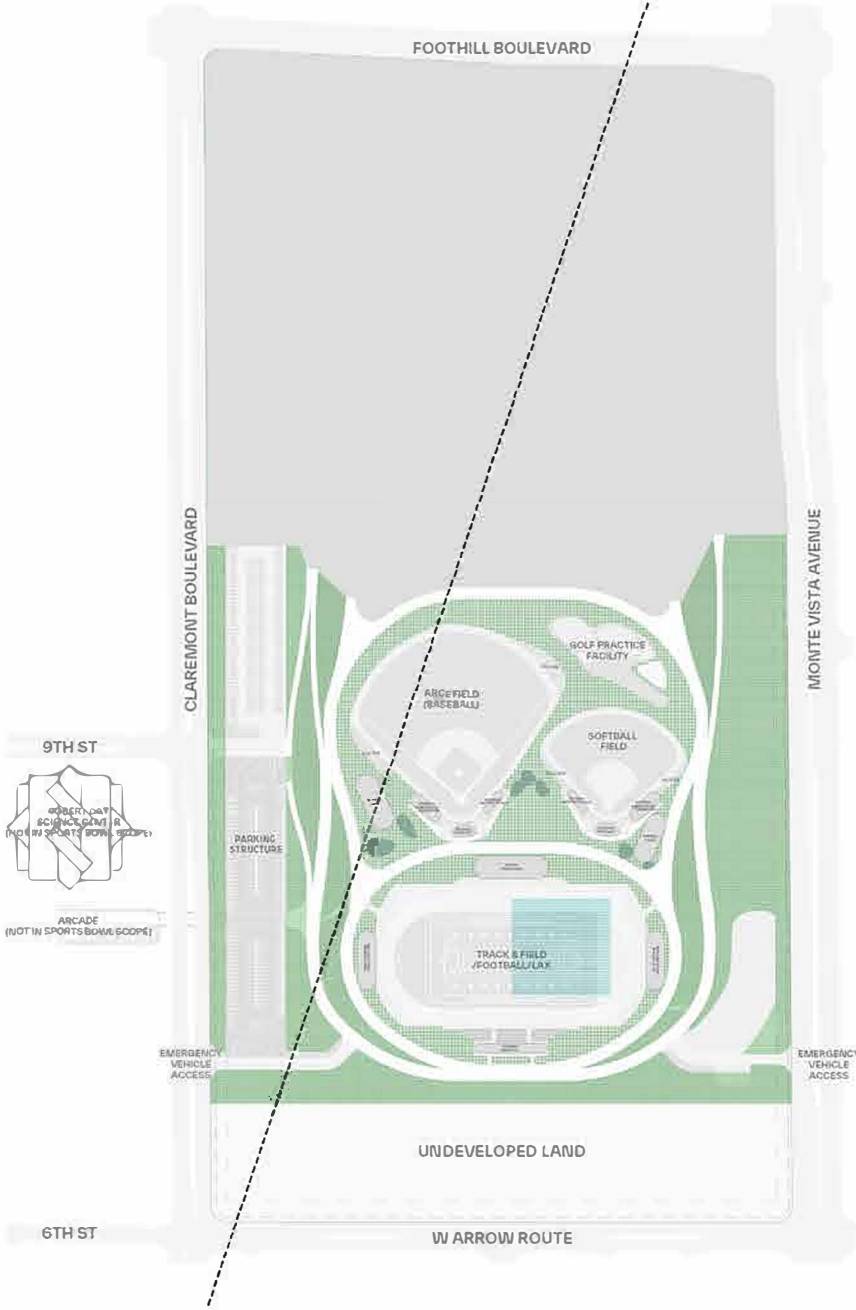
SWALE AT THE BOTTOM OF THE BOWL



BIORETENTION/ DRY POND



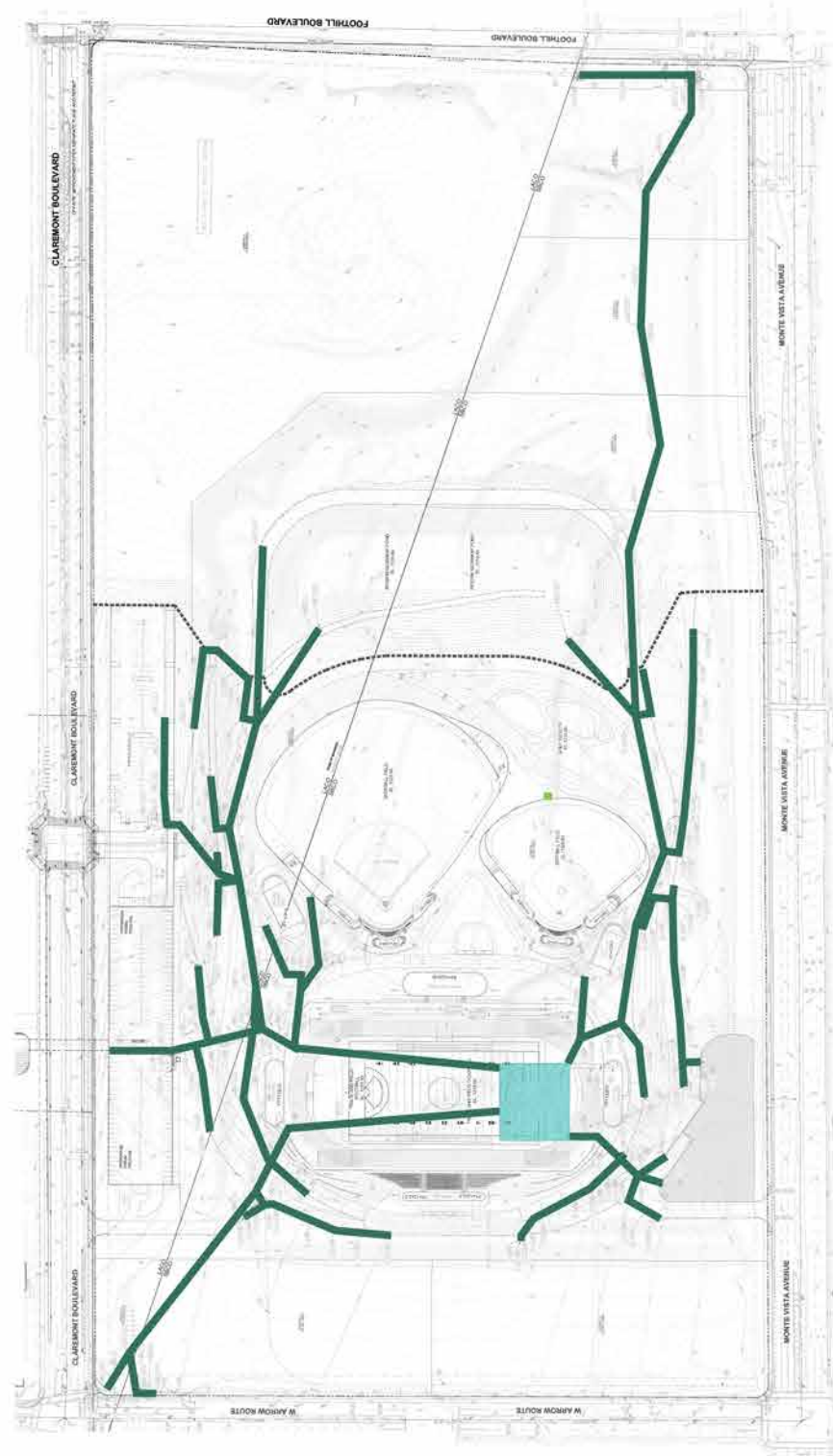
SWALE NEAR PARKING



STORMWATER MANAGEMENT STRATEGIES: DRY PONDS, SWALE, AND STORM WATER STORAGE TANK

-  STORMWATER TANK
-  SWALE / DRY POND
-  WATER EFFICIENT, EROSION CONTROL PLANTING

STORMWATER MANAGEMENT PLAN

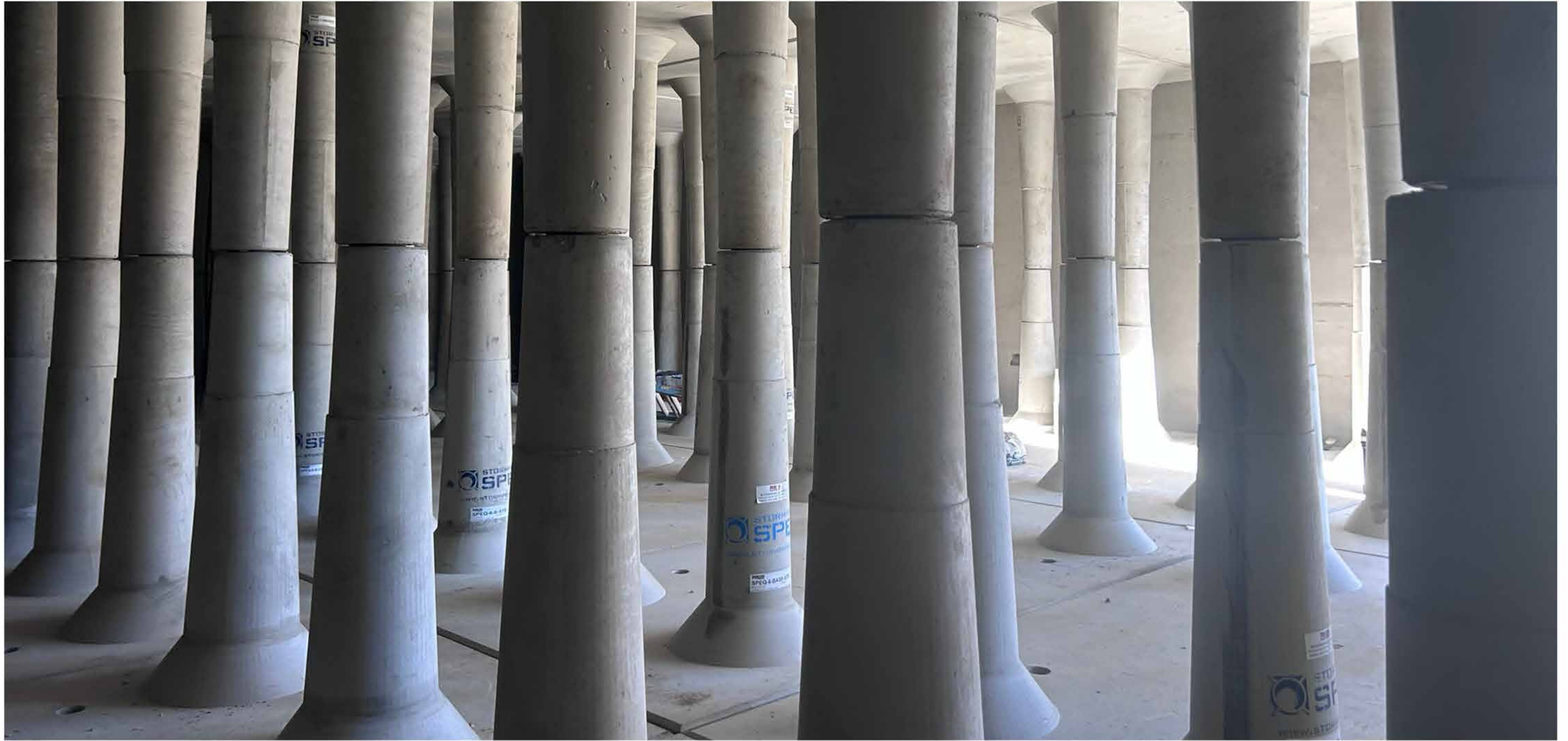


- STORM WATER CHAMBER
- STORM DRAIN

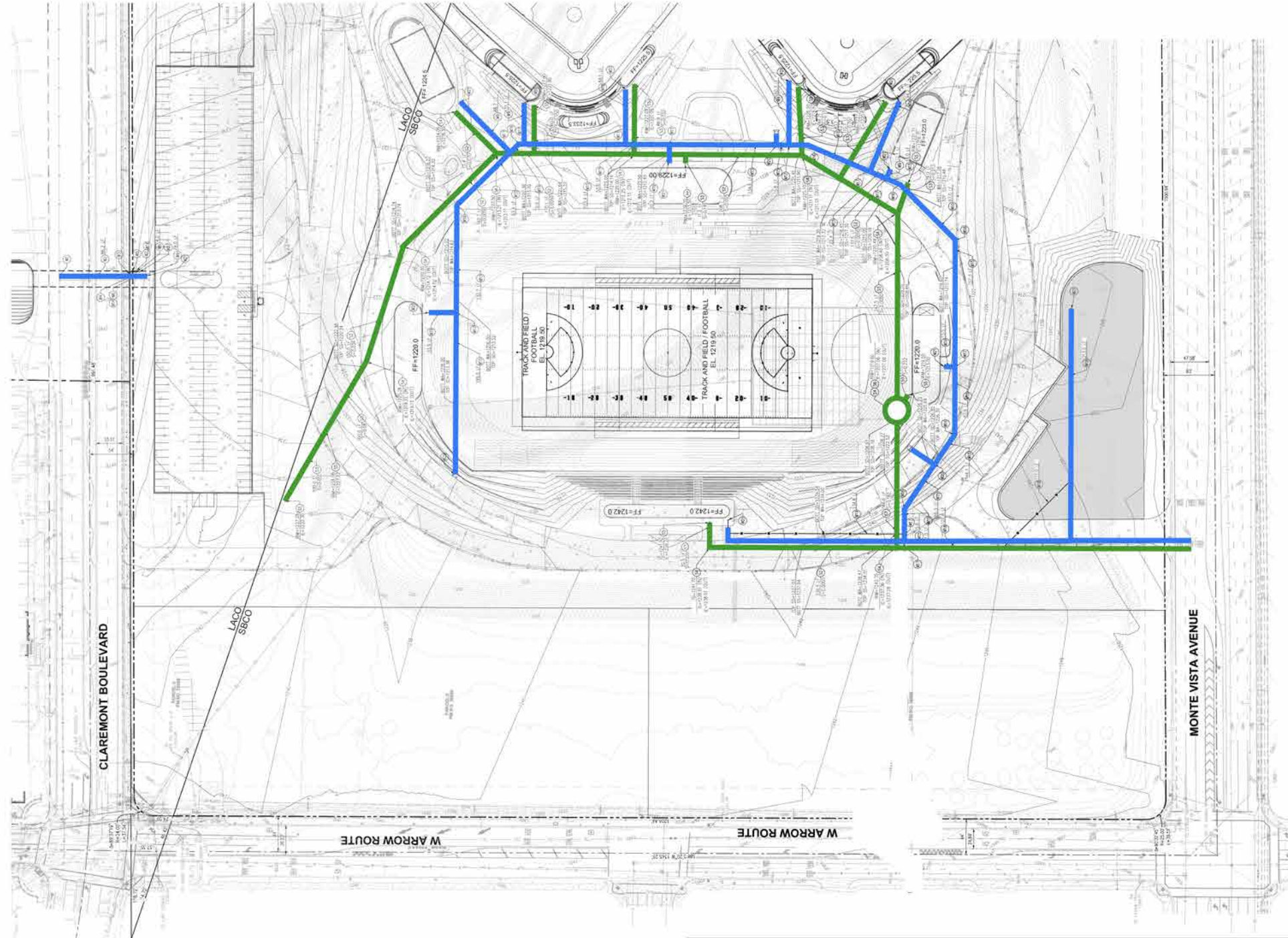
STORM DRAIN PLAN



STORM WATER CHAMBER CONSTRUCTION

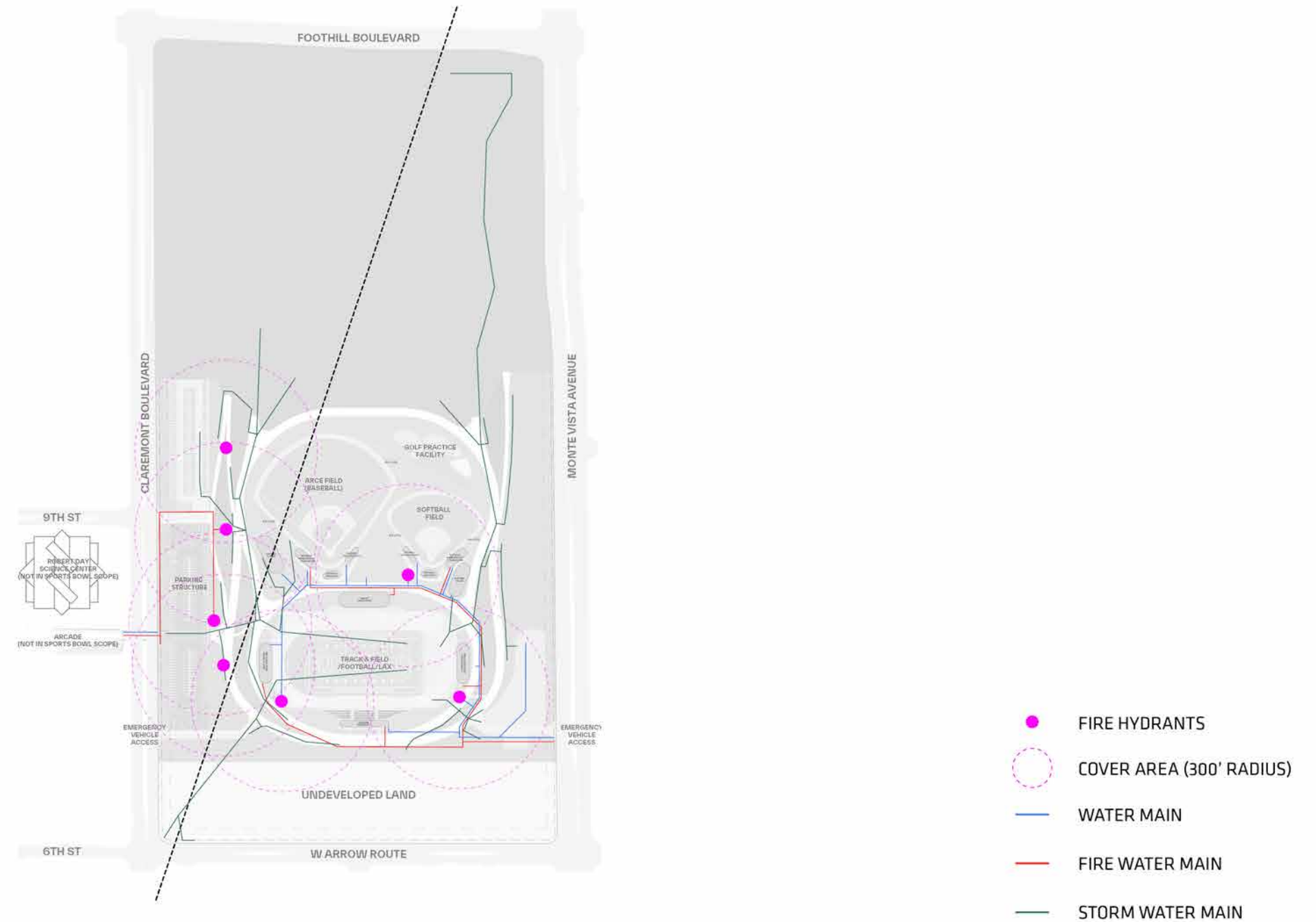


STORM WATER CHAMBER CONSTRUCTION

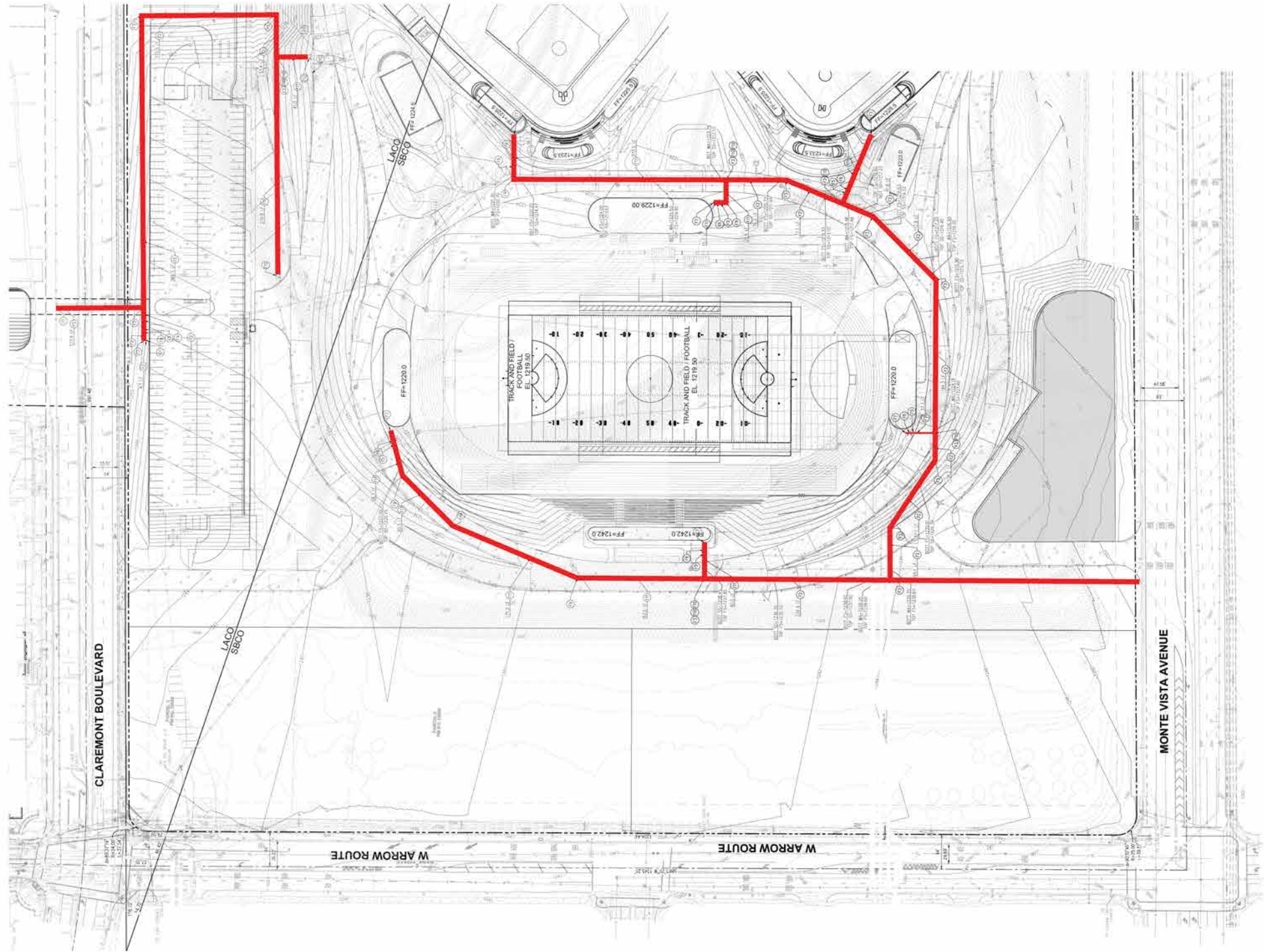


-  SEWER LIFT STATION
-  SANITARY SEWER
-  WATER MAIN

SEWER & WATER PLAN

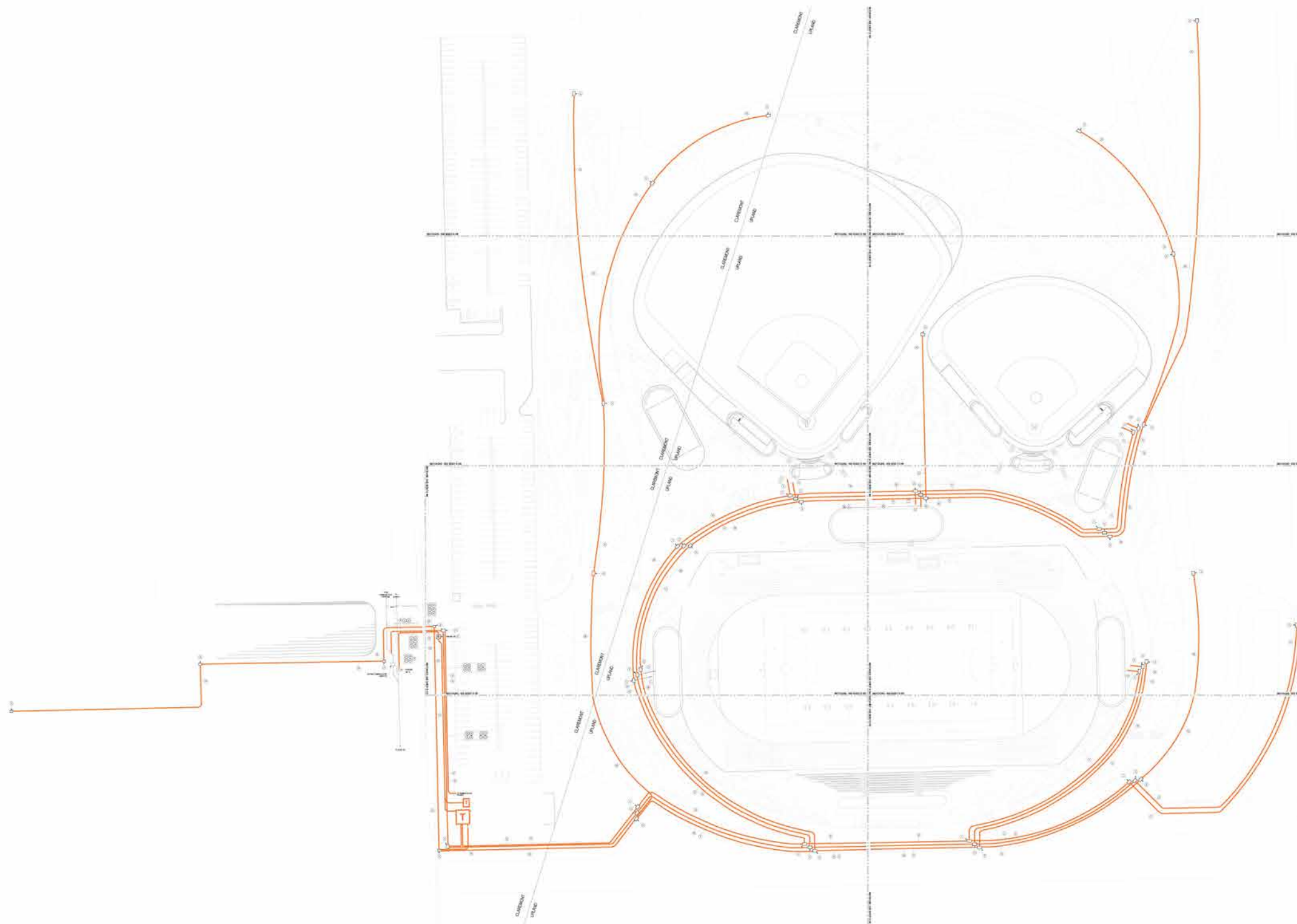


ONSITE FIRE HYDRANT PLAN



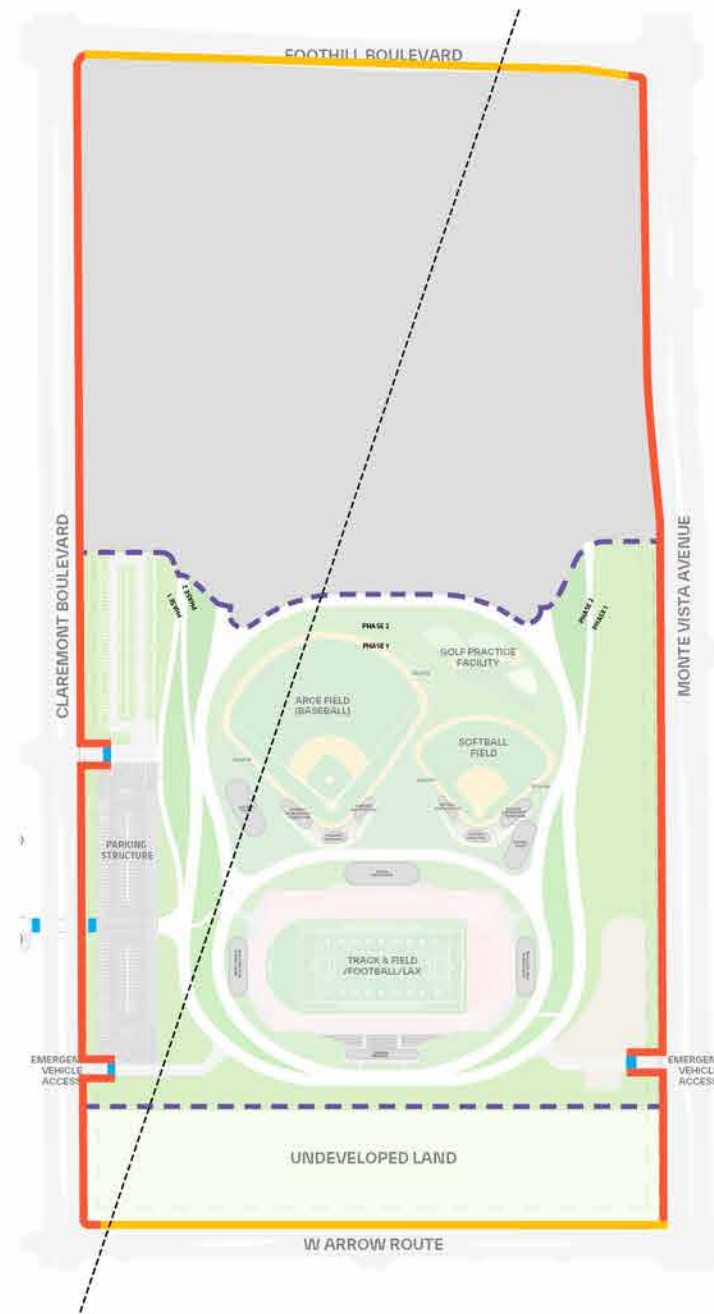
— FIRE WATER MAIN

FIRE PROTECTION PLAN



- CONDUIT RUN UNDERGROUND OR BELOW FLOOR
- T** TRANSFORMER

DRY UTILITY PLAN



-  GATES
-  PROPOSED FENCE
-  PROPOSED TEMPORARY FENCE
-  EXISTING FENCE

ACCESS CONTROL: MAJOR GATE & FENCE

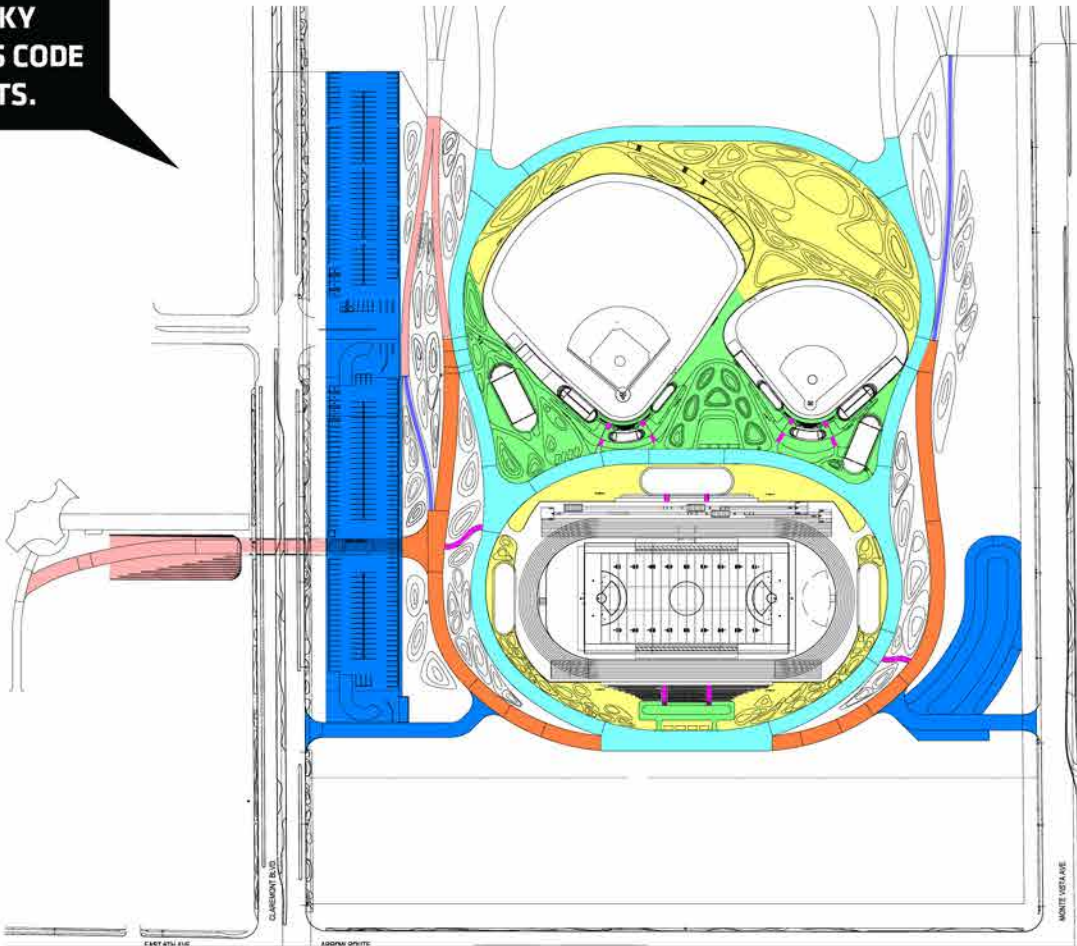


AMERISTAR - WIREWORKS PLUS

ACCESS CONTROL: MAJOR GATE & FENCE

**ROBERTS CAMPUS SPORTS BOWL
LIGHTING**

THE LIGHTING IS DARK SKY
COMPATIBLE AND MEETS CODE
MINIMUM REQUIREMENTS.



SECONDARY ROAD
LIGHTING METHODS: CAMPUS STANDARD POLE LIGHT



Claremont Mckenna College| Claremont, CA
270 Coral Circle, El Segundo, CA 90245 T 310.552.2191 KGMlighting.com

PRIMARY FIRE ACCESS ROAD
LIGHTING METHODS: CAMPUS STANDARD POLE LIGHT
SECONDARY FIRE ACCESS ROAD
LIGHTING METHODS: CAMPUS STANDARD POLE LIGHT

TERITIARY PATH
NO LIGHTING

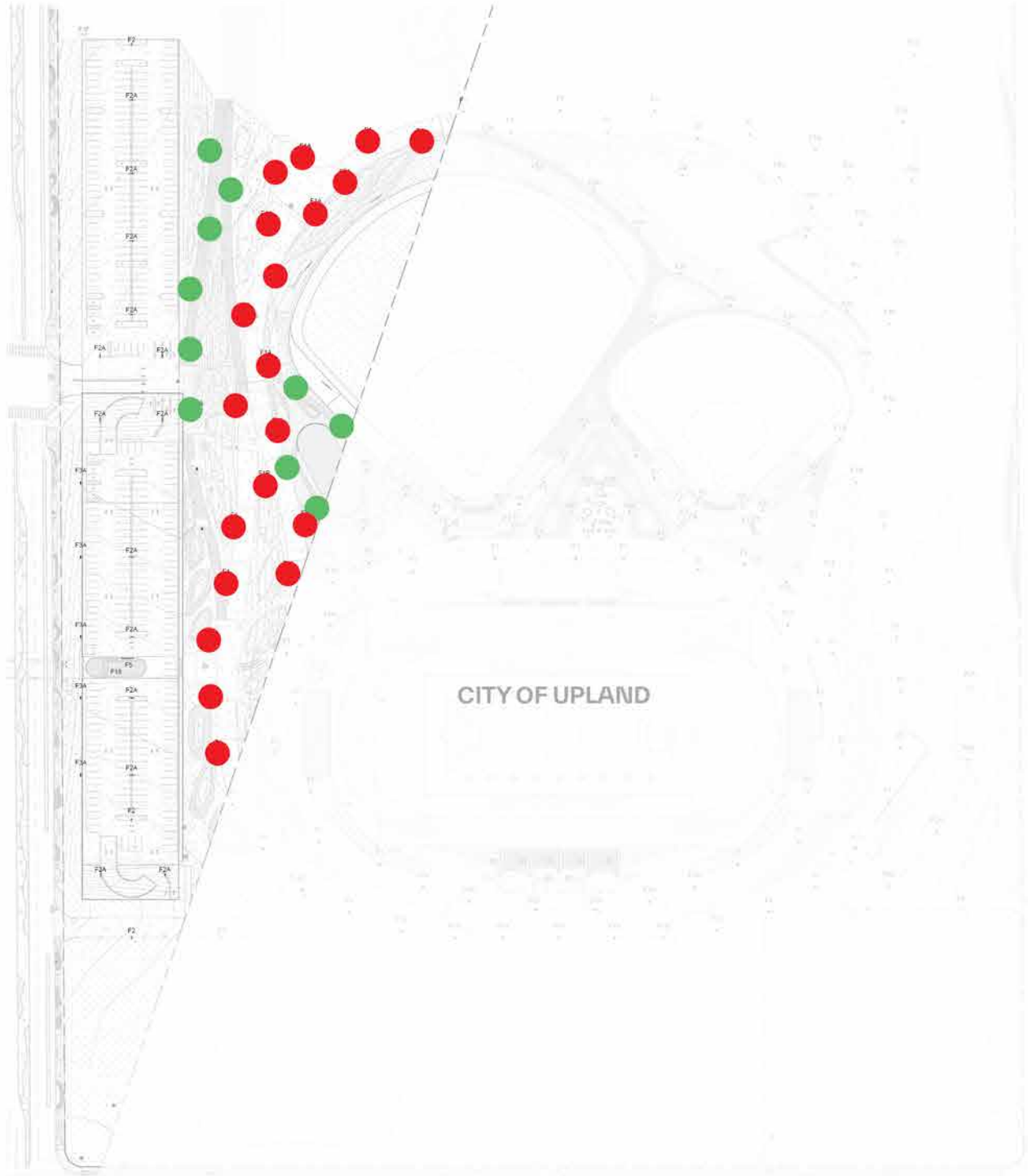
PARKING
LIGHTING METHODS: 20FT TALL AREA
POLE FOR UPPER LEVEL / SURFACE
PARKING
PENDANT MOUNTED LINEAR AMBIENT
LIGHT FOR LOWER PARKING

GATHERING AREA WITH SURROUNDING
LANDSCAPE (HIGH TRAFFIC)
LIGHTING METHODS: POLE MOUNTED
ADJUSTABLE AREA LIGHT FOR TRAILS
CATENARY MOUNTED AMBIENT LIGHT
FOR GATHERING SPACE

GENERAL LANDSCAPE AREA (LOW
TRAFFIC)
LIGHTING METHODS: POLE MOUNTED
ADJUSTABLE AREA LIGHT FOR TRAILS



SITE LIGHTING



BK LIGHTING

DENALI ROUND POLE (INTEGRAL)

Catalog #

RS4-H4090-12-DE-X99-WFL-12-11-B-010-VOLT-CUSTOM FINISH TO MATCH COOPER AKZO NOBEL QW306QF, VOLOR VMS 5291Y1SDSD*-9-B-010-VOLT

Light Source

(4)LED 3000K
80CRI 1091LM/HEAD

Accessories

Fixture Wattage

Fixture Voltage

Load Type

52W

0-10V

10/25/2024

ROBERTS CAMPUS SPORTS BOWL

12FT POLE MOUNTED ADJUSTABLE AREA FLOOD LIGHT, 4 HEAD

F3

270 CORAL CIRCLE | EL SEGUNDO, CALIFORNIA, 90245 | TEL: 310.552.2191

SITE LIGHT: POLE AREA LIGHT
12' FT TALL

COOPER LIGHTING SOLUTIONS

MSA MESA

Catalog #

MSA-SA1-D-830-U-T3-CUSTOM COLOR-HSS
R55 ROUND STRAIGHT POLE
R55-4-A-12-S-MOUNTING TYPE BY CONTR-X-X-CUSTOM COLOR
CUSTOM COLOR:
AKZO NOBEL PRODUCT CODE QW306QF COLOR VMS 5291Y1SDSD
ALUMINUM TEXTURE

Light Source

LED 3000K
80CRI 6848LM

Accessories

Fixture Wattage

Fixture Voltage

Load Type

67W

0-10V

10/25/2024

ROBERTS CAMPUS SPORTS BOWL

12FT POLE WITH AREA LIGHT POLE HEAD, WITH TYPE III DISTRIBUTION

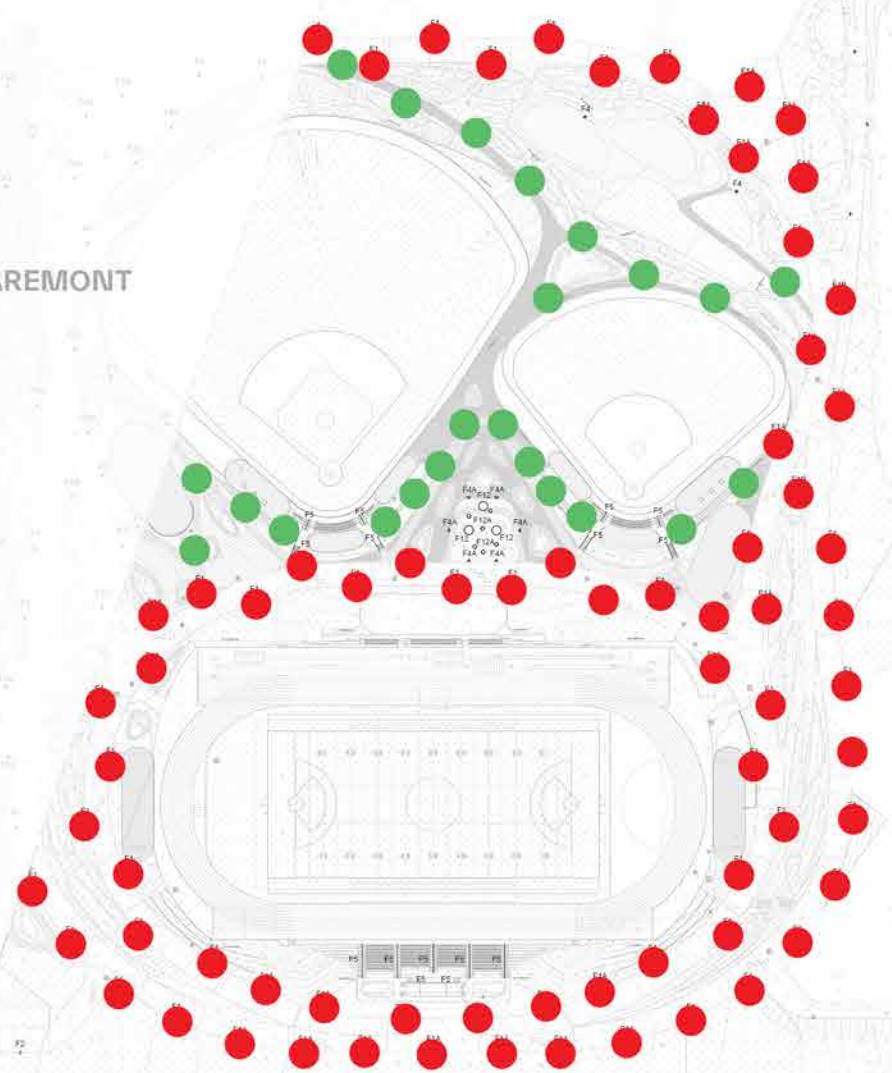
F1

270 CORAL CIRCLE | EL SEGUNDO, CALIFORNIA, 90245 | TEL: 310.552.2191

SITE LIGHT: POLE AREA LIGHT
12' FT TALL

CLAREMONT SITE LIGHTING

CITY OF CLAREMONT







BK LIGHTING
DENALI ROUND POLE (INTEGRAL)

Catalog #	Light Source		
RS4-H4090-12-DE-X99-WFL-12-11-B-010-VOLT-CUSTOM FINISH TO MATCH COOPER AKZO NOBEL QW306QF, VOLOR VMS 5291Y1SDSD"-9-B-010-VOLT	(4)LED 3000K 80CRI 1091LM/HEAD		
Accessories	Fixture Wattage	Fixture Voltage	Load Type
	52W		0-10V

10/25/2024

ROBERTS CAMPUS SPORTS BOWL



12FT POLE MOUNTED ADJUSTABLE AREA FLOOD LIGHT, 4 HEAD

F3

270 CORAL CIRCLE | EL SEGUNDO, CALIFORNIA, 90245 | TEL: 310.552.2191

SITE LIGHT: POLE AREA LIGHT
12' FT TALL





COOPER LIGHTING SOLUTIONS
MSA MESA

Catalog #	Light Source		
MSA-SA1-D-830-U-T3-CUSTOM COLOR-HSS R55 ROUND STRAIGHT POLE R55-4-A-12-S-MOUNTING TYPE BY CONTR.-X-X-CUSTOM COLOR CUSTOM COLOR: AKZO NOBEL PRODUCT CODE QW306QF COLOR VMS 5291Y1SDSD ALUMINUM TEXTURE	LED 3000K 80CRI 6848LM		
Accessories	Fixture Wattage	Fixture Voltage	Load Type
	67W	UNV	0-10V

10/25/2024

ROBERTS CAMPUS SPORTS BOWL



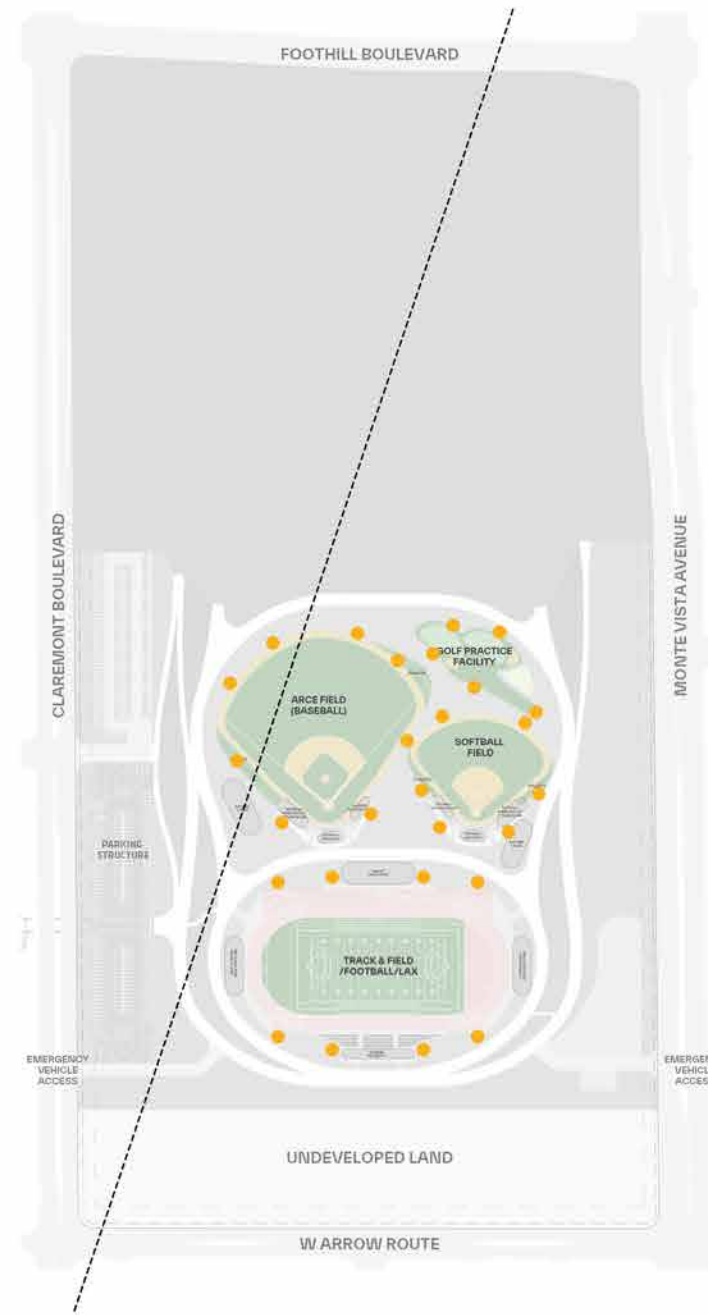
12FT POLE WITH AREA LIGHT POLE HEAD, WITH TYPE III DISTRIBUTION

F1

270 CORAL CIRCLE | EL SEGUNDO, CALIFORNIA, 90245 | TEL: 310.552.2191

SITE LIGHT: POLE AREA LIGHT
12' FT TALL

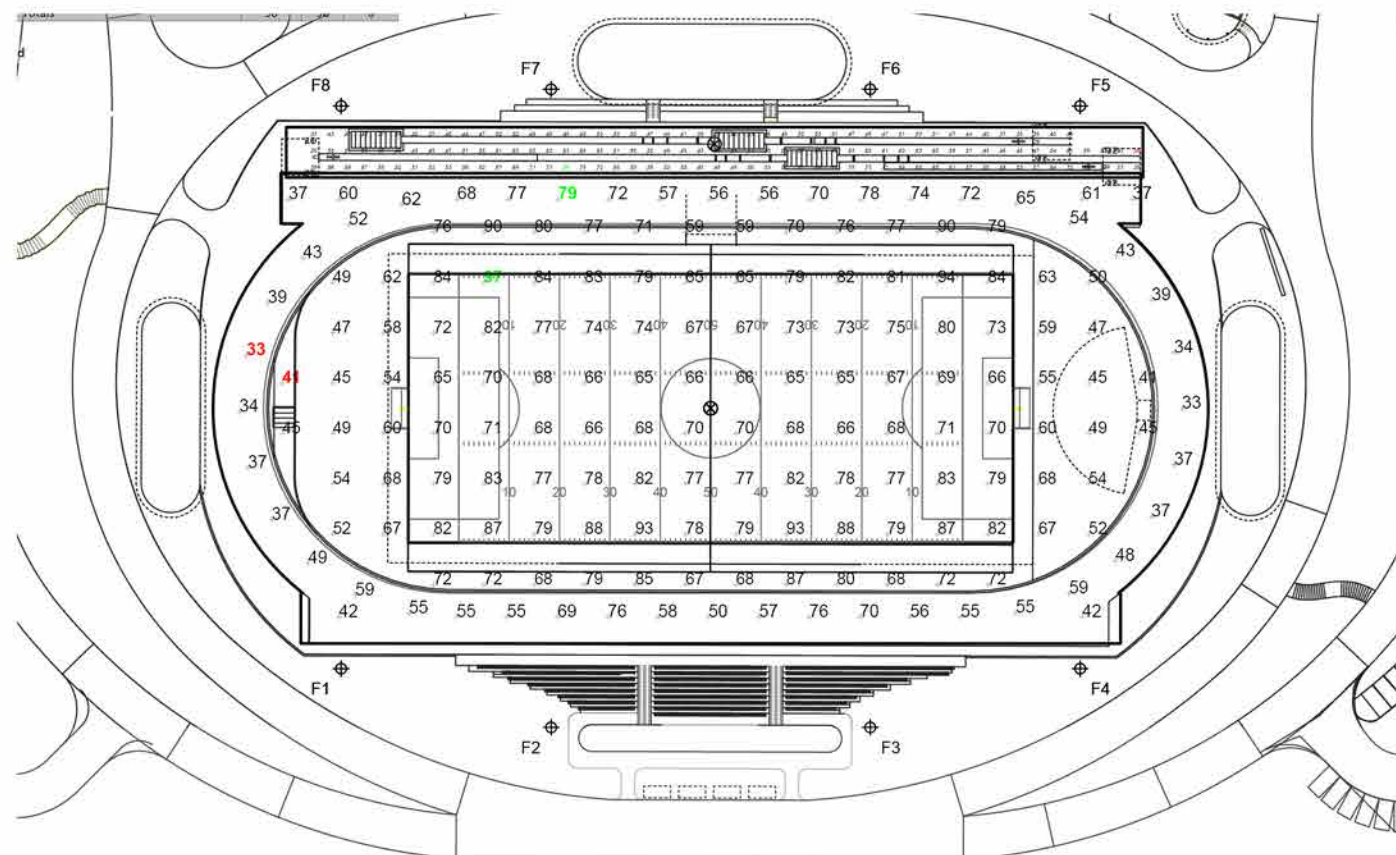
UPLAND SITE LIGHTING



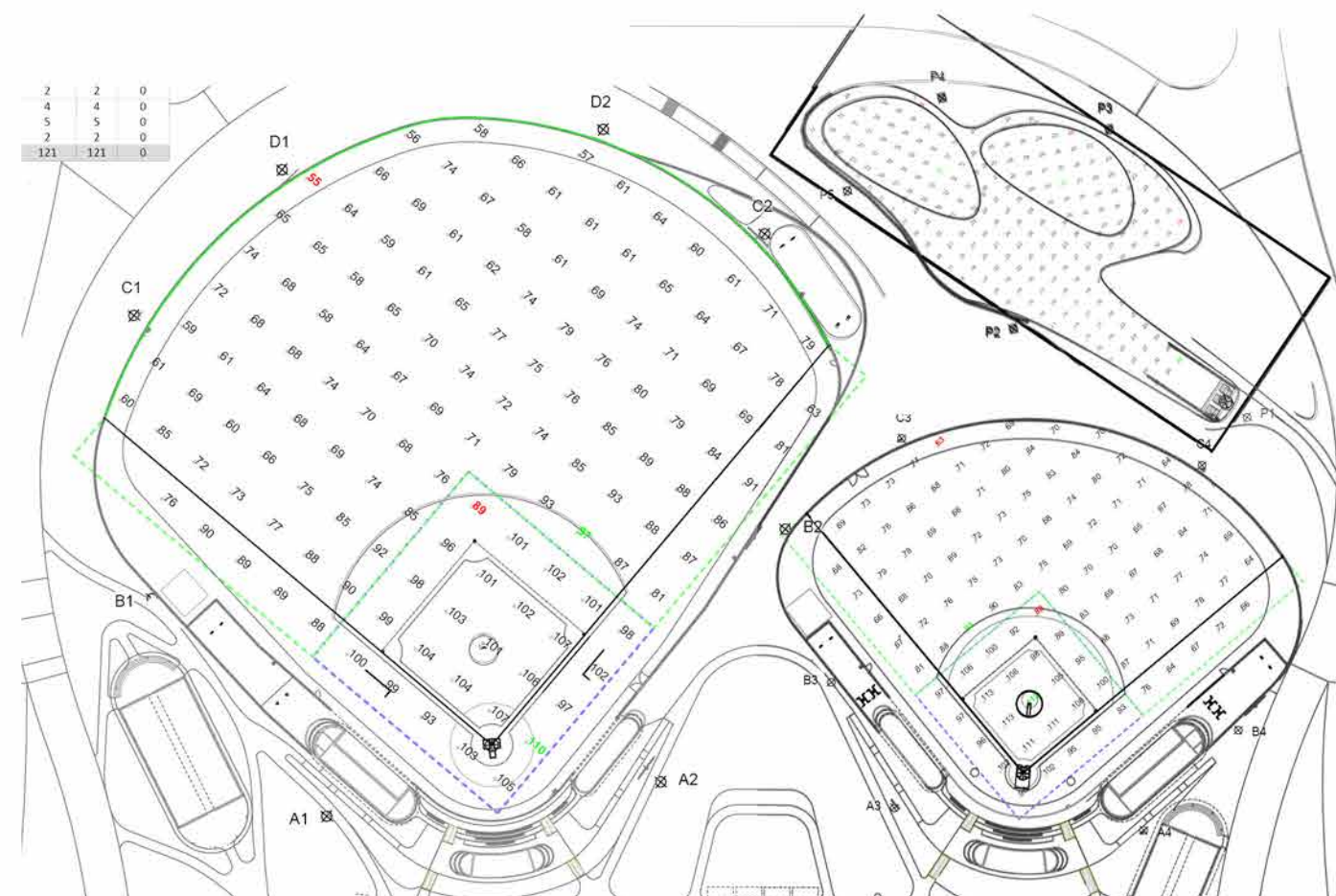
● SPORTS LIGHT

SPORTS LIGHTS

MIN CODE DARK SKY
COMPATIBLE



STADIUM FIELD LIGHTS (TRACK & FIELD, FOOTBALL, LACROSSE)



BASEBALL, SOFTBALL, AND GOLF LIGHTS

SPORTS LIGHTS

Pole/Fixture Summary						
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
A1-A2	80'	80'	9	TLC-LED-900	7.92 kW	B
		80'	2	TLC-LED-1500	2.82 kW	B
		16'	3	TLC-BT-575	1.72 kW	B
A3-A4	70'	70'	2	TLC-LED-1200	2.34 kW	C
		70'	1	TLC-LED-900	0.88 kW	C
		70'	1	TLC-LED-1500	1.41 kW	C
		16'	1	TLC-BT-575	0.57 kW	C
B1	80'	80'	12	TLC-LED-900	10.56 kW	B
		80'	6	TLC-LED-1500	8.46 kW	B
		80'	1	TLC-LED-900	0.89 kW	B
		70'	2	TLC-LED-900	1.76 kW	B
		16'	3	TLC-BT-575	1.72 kW	B
B2	80'	80'	12	TLC-LED-900	10.56 kW	B
		80'	6	TLC-LED-1500	8.46 kW	B
		80'	1	TLC-LED-900	0.89 kW	B
		16'	3	TLC-BT-575	1.72 kW	B
B3	70'	70'	4	TLC-LED-1500	5.64 kW	C
		70'	3	TLC-LED-900	2.64 kW	C
		50'	1	TLC-LED-1200	1.17 kW	C
		16'	2	TLC-BT-575	1.15 kW	C
B4	70'	70'	3	TLC-LED-900	2.64 kW	C
		70'	4	TLC-LED-1500	5.64 kW	C
		50'	1	TLC-LED-900	0.88 kW	C
		50'	1	TLC-LED-550	0.54 kW	C
		16'	2	TLC-BT-575	1.15 kW	C
C1	80'	80'	7	TLC-LED-900	6.16 kW	B
		80'	2	TLC-LED-1500	2.82 kW	B
		16'	3	TLC-BT-575	1.72 kW	B
C2	80'	80'	3	TLC-LED-1500	4.23 kW	B
		80'	6	TLC-LED-900	5.28 kW	B
		70'	1	TLC-LED-900	0.88 kW	B
C3-C4	60'	16'	3	TLC-BT-575	1.72 kW	B
		60'	2	TLC-LED-1500	2.82 kW	C
		60'	2	TLC-LED-1200	2.34 kW	C
		60'	1	TLC-LED-900	0.88 kW	C
		16'	2	TLC-BT-575	1.15 kW	C
D1	80'	80'	6	TLC-LED-900	5.28 kW	B
		80'	3	TLC-LED-1500	4.23 kW	B
		16'	2	TLC-BT-575	1.15 kW	B
D2	80'	80'	4	TLC-LED-1500	5.64 kW	B
		80'	5	TLC-LED-900	4.40 kW	B
		16'	2	TLC-BT-575	1.15 kW	B
F1	80'	80'	5	TLC-LED-900	4.40 kW	A
		80'	5	TLC-LED-1500	7.05 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
F2-F3	50'	50'	7	TLC-LED-1500	9.87 kW	A
		50'	3	TLC-LED-900	2.64 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
F4	80'	80'	5	TLC-LED-900	4.40 kW	A
		80'	5	TLC-LED-1500	7.05 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
F5	80'	80'	5	TLC-LED-900	4.40 kW	A
		80'	6	TLC-LED-1500	8.46 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
F6-F7	70'	70'	6	TLC-LED-1500	8.46 kW	A
		70'	4	TLC-LED-900	3.52 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
F8	80'	80'	5	TLC-LED-900	4.40 kW	A
		80'	6	TLC-LED-1500	8.46 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
P1	50'	50'	2	TLC-LED-900	1.76 kW	D
		50'	1	TLC-LED-550	0.54 kW	D
		16'	2	TLC-BT-575	1.15 kW	D
P2	50'	50'	3	TLC-LED-550	1.62 kW	D
		16'	1	TLC-BT-575	0.57 kW	D
		50'	3	TLC-LED-550	1.62 kW	D
P3	50'	50'	3	TLC-LED-550	1.62 kW	D
P4-P5	50'	50'	2	TLC-LED-550	1.08 kW	D
27			280		277.09 kW	

Circuit Summary				
Circuit	Description	Avg Load	Max Load	Fixture Qty
A	Stadium	106.80 kW	106.80 kW	98
B	Baseball	114.63 kW	114.63 kW	121
C	Softball	46.24 kW	46.24 kW	45
D	Golf Area	9.43 kW	9.42 kW	16

Fixture Type Summary							
Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-BT-575	LED 5700K - 75 CRI	575W	52,000	>120,000	>120,000	>120,000	51
TLC-LED-1200	LED 5700K - 75 CRI	1170W	150,000	>120,000	>120,000	>120,000	9
TLC-LED-1500	LED 5700K - 75 CRI	1410W	181,000	>120,000	>120,000	>120,000	90
TLC-LED-550	LED 5700K - 75 CRI	540W	67,000	>120,000	>120,000	>120,000	12
TLC-LED-900	LED 5700K - 75 CRI	880W	104,000	>120,000	>120,000	>120,000	116
TLC-LED-900	LED 5700K - 75 CRI	890W	89,600	>120,000	>120,000	>120,000	2

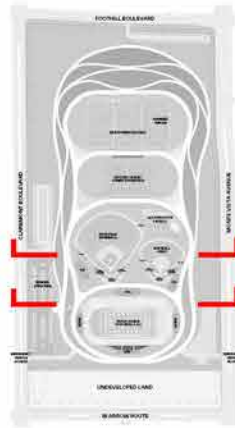
Single Luminaire Amperage Draw Chart							
Driver Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
Single Phase Voltage							
TLC-LED-1500	8.4	7.9	7.3	6.3	5.0	4.6	3.6
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-LED-900	5.3	5.0	4.6	4.0	3.2	2.9	2.3
TLC-BT-575	3.3	3.2	2.9	2.5	2.0	1.8	1.5
TLC-LED-550	3.2	3.0	2.8	2.4	1.9	1.8	1.4

Light Level Summary

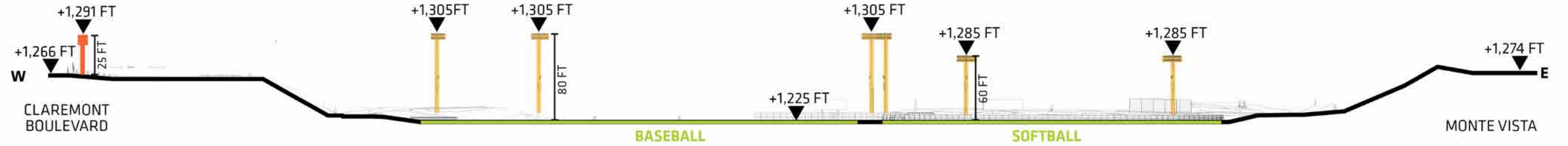
Calculation Grid Summary								
Grid Name	Calculation Metric	Illumination Ave					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
150' Spill @ 3ft.	Horizontal Illuminance	1.3026	0.00	33.77	-	-	A,B,C,D	280
150' Spill @ 5ft.	Max Candela Metric	391.9581	4.70	1449.42	308.516	83.430	A,B,C	264
150' Spill @ 5ft.	Max Vertical Illuminance Metric	0.0138	0.00	0.17	1233.486	101.669	A,B,C	264
150' Spill @ 5ft.	True Max Vert Illuminance Metric	0.0125	0.00	0.14	1174.900	101.374	A,B,C	264
Baseball (Infield)	Horizontal Illuminance	101.05	89	110	1.24	1.14	B	121
Baseball (Outfield)	Horizontal Illuminance	72.33	55	97	1.76	1.32	B	121
Baseball Bullpen 1	Horizontal	71.98	54	87	1.61	1.33	B	121
Baseball Bullpen 2	Horizontal	64.01	45	81	1.81	1.43	B	121
Fairway Area	Horizontal	20.70	10	42	4.11	2.01	D	16
Field Events	Horizontal Illuminance	70.66	41	97	2.36	1.71	A	98
Football	Horizontal Illuminance	75.84	65	97	1.50	1.17	A	98
Green 1	Horizontal	27.30	20	33	1.64	1.34	D	16
Green 2	Horizontal	27.94	19	34	1.82	1.50	D	16
Jumping Area	Horizontal Illuminance	53.37	30	75	2.50	1.77	A	98
Soccer	Horizontal Illuminance	76.40	62	96	1.54	1.22	A	98
Softball (Infield)	Horizontal Illuminance	100.84	88	113	1.28	1.14	C	45
Softball (Outfield)	Horizontal Illuminance	73.22	63	93	1.47	1.16	C	45
Softball 1st Base Bullpen	Horizontal	80.99	61	107	1.74	1.32	C	45
Softball 3rd Base Bullpen	Horizontal	77.59	50	107	2.14	1.55	C	45
Spill @ 3ft	Horizontal Illuminance	0.0000	0.00	0.00	-	-	A,B,C,D	280
Spill @ 5ft	Max Vertical Illuminance Metric	0.0001	0.00	0.00	-	-	A,B,C,D	280
Tee Box	Horizontal	46.24	40	50	1.26	1.15	D	16
Track	Horizontal Illuminance	54.35	33	79	2.37	1.63	A	98

THE LIGHTING IS DARK SKY
COMPATIBLE AND MEETS
MINIMUM CODE REQUIREMENTS.

SPORTS LIGHTS



A
B



SECTION A BASEBALL/ SOFTBALL FIELDS

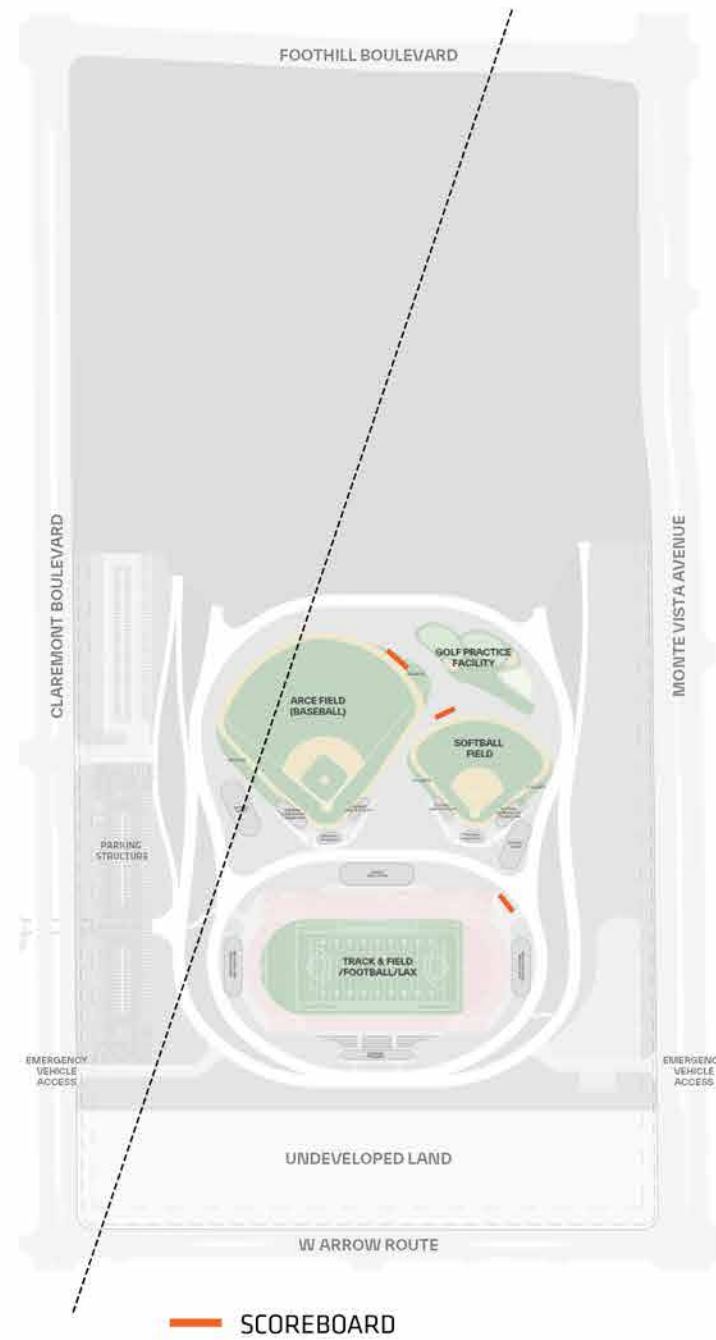


SECTION B TRACK & FIELD / FOOTBALL / LACROSSE

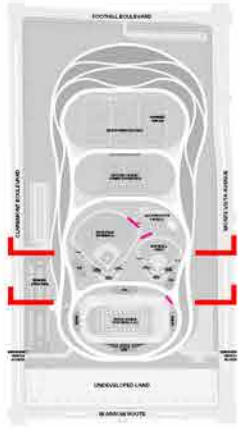
- SPORTS LIGHT
- TYPICAL STREET LIGHT
- PROPOSED GRADING

THE TOP OF THE SPORTS LIGHTS IS
ROUGHLY LEVEL WITH THE NEARBY
STREETLIGHTS AND POWER POLES.

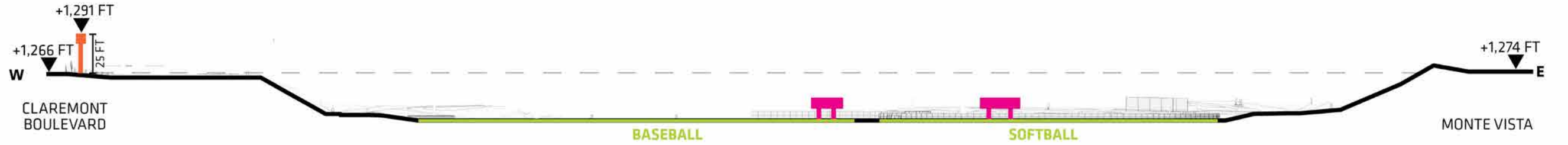
SECTIONS



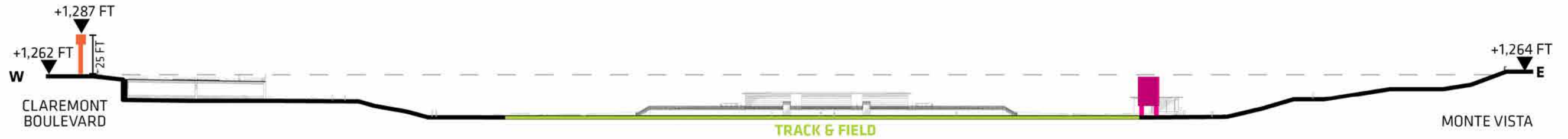
SCOREBOARDS



A
B



SECTION A BASEBALL/ SOFTBALL FIELDS



SECTION B TRACK & FIELD / FOOTBALL / LACROSSE

- SCOREBOARDS
- TYPICAL STREET LIGHT
- PROPOSED GRADING

THE TOP OF SCOREBOARDS ARE
BELOW LEVEL OF THE NEARBY
STREETLIGHTS AND POWER POLES.

SECTIONS _ SCOREBOARDS HEIGHT

THE LIGHTING IS DARK SKY
COMPATIBLE AND MEETS
MINIMUM CODE REQUIREMENTS.

LVX-3000 16MT OUTDOOR VIDEO DISPLAY SPECIFICATIONS



Daktronics LVX-3000 series video display modules eliminate color shifts at off angles to ensure excellent image clarity from any seat. Each module features complete 360° protection from moisture and dust and have high-contrast louvers and etching to preserve image contrast in even the brightest conditions. Video displays with 16 mm row and column spacing are offered in 43 sizes with various lengths of filler panels to match the widths of standard Daktronics outdoor scoreboards. Contact Daktronics to find the best standard or custom video display solution for your facility.

LINE/COLUMN SPACING:	0.655" (16.63 mm)
PIXEL CONFIGURATION:	3 through-hole LEDs per pixel (1 red, 1 green, 1 blue)
MODULE CONFIGURATION:	24 x 24 pixels
MODULE DIMENSIONS (HxW):	15.75" x 15.75" (400 mm x 400 mm)
DISPLAY POWER:	Varies by display size (see charts on pages 2-3)
DISPLAY WEIGHT:	Varies by display size (see charts on pages 2-3)
PROCESSING:	22 bit Distributed
COLOR CAPACITY:	16 bit (281 trillion colors)
DIMMING:	256 levels
CALIBRATION:	Full depth, LED to LED
LED REFRESH RATE:	4800 Hz
LED LIFETIME:	100,000 hours
CALIBRATED INTENSITY:	9500 nits (cd/m ²)
VIEWING ANGLE:	160° horizontal, +25°/-40° vertical
SERVICE ACCESS:	Front or rear
CABINET DEPTH:	11.0625" (281 mm)
CABINET CONSTRUCTION:	Aluminum and Steel (corrosion resistant)
INGRESS PROTECTION RATING:	IP-66 Components
TEMPERATURE RATING:	-40° to 122 Fahrenheit (-40° to 50° Celsius)
COMMUNICATION:	Fiber Optic (50/125 µm multi-mode)

WWW.DAKTRONICS.COM E-MAIL: SALES@DAKTRONICS.COM

201 Daktronics Drive, PO Box 5128, Brookings, SD 57006
Phone: 1-800-325-8766 or 605-692-0200 Fax: 605-697-4746
DD5296701 050224 Page 1 of 3



LVX-3000 16MT OUTDOOR VIDEO DISPLAY SPECIFICATIONS

CABINET SIZE HEIGHT x WIDTH		AD PANEL WIDTH @2		ACTIVE AREA HEIGHT x WIDTH		MATRIX SIZE IN PIXELS		UNCRATED WEIGHT		POWER IN WATTS	
Feet	Meters	Feet	Meters	Feet	Meters	Rows	Columns	LB	KG	Avg.	Max.
7.88 x 14.44	2.40 x 4.40	N/A	N/A	7.88 x 14.44	2.40 x 4.40	144 x 264	1375	624	780	3117	
7.88 x 18.00	2.40 x 5.49	1.78	0.54	7.88 x 14.44	2.40 x 4.40	144 x 264	1500	681	780	3117	
7.88 x 20.00	2.40 x 6.10	2.78	0.85	7.88 x 14.44	2.40 x 4.40	144 x 264	1550	704	780	3117	
7.88 x 25.00	2.40 x 7.62	5.28	1.61	7.88 x 14.44	2.40 x 4.40	144 x 264	1800	870	780	3117	
9.19 x 15.76	2.80 x 4.80	N/A	N/A	9.19 x 15.76	2.80 x 4.80	168 x 288	1625	738	975	3900	
9.19 x 18.00	2.80 x 5.49	1.13	0.34	9.19 x 15.76	2.80 x 4.80	168 x 288	1725	783	975	3900	
9.19 x 20.00	2.80 x 6.10	2.13	0.65	9.19 x 15.76	2.80 x 4.80	168 x 288	1775	806	975	3900	
9.19 x 25.00	2.80 x 7.62	4.63	1.41	9.19 x 15.76	2.80 x 4.80	168 x 288	2075	942	975	3900	
10.51 x 18.38	3.20 x 5.60	N/A	N/A	10.51 x 18.38	3.20 x 5.60	192 x 336	2075	942	1295	5177	
10.51 x 20.00	3.20 x 6.10	0.81*	0.25*	10.51 x 18.38	3.20 x 5.60	192 x 336	2150	976	1295	5177	
10.51 x 25.00	3.20 x 7.62	3.31	1.01	10.51 x 18.38	3.20 x 5.60	192 x 336	2375	1078	1295	5177	
10.51 x 32.00	3.20 x 9.75	6.81	2.08	10.51 x 18.38	3.20 x 5.60	192 x 336	2725	1237	1295	5177	
11.82 x 21.01	3.60 x 6.40	N/A	N/A	11.82 x 21.01	3.60 x 6.40	216 x 384	2875	1305	1749	6996	
11.82 x 25.00	3.60 x 7.62	2.00	0.61	11.82 x 21.01	3.60 x 6.40	216 x 384	3175	1441	1749	6996	
11.82 x 32.00	3.60 x 9.75	5.50	1.68	11.82 x 21.01	3.60 x 6.40	216 x 384	3650	1656	1749	6996	
13.13 x 23.63	4.00 x 7.20	N/A	N/A	13.13 x 23.63	4.00 x 7.20	240 x 432	3500	1588	2141	8561	
13.13 x 25.00	4.00 x 7.62	0.69*	0.21*	13.13 x 23.63	4.00 x 7.20	240 x 432	3575	1622	2141	8561	
13.13 x 32.00	4.00 x 9.75	4.19	1.28	13.13 x 23.63	4.00 x 7.20	240 x 432	4100	1860	2141	8561	
14.44 x 24.94	4.40 x 7.60	N/A	N/A	14.44 x 24.94	4.40 x 7.60	264 x 456	3975	1804	2486	9942	
14.44 x 32.00	4.40 x 9.75	3.53	1.08	14.44 x 24.94	4.40 x 7.60	264 x 456	4425	2008	2486	9942	
15.76 x 27.57	4.80 x 8.40	N/A	N/A	15.76 x 27.57	4.80 x 8.40	288 x 504	4575	2076	2953	11812	
15.76 x 32.00	4.80 x 9.75	2.22	0.68	15.76 x 27.57	4.80 x 8.40	288 x 504	4875	2212	2953	11812	
15.76 x 36.00	4.80 x 10.97	4.22	1.29	15.76 x 27.57	4.80 x 8.40	288 x 504	5250	2382	2953	11812	
17.07 x 30.19	5.20 x 9.20	N/A	N/A	17.07 x 30.19	5.20 x 9.20	312 x 552	5325	2416	3494	13975	
17.07 x 32.00	5.20 x 9.75	0.91*	0.28*	17.07 x 30.19	5.20 x 9.20	312 x 552	5475	2484	3494	13975	
17.07 x 36.00	5.20 x 10.97	2.91	0.89	17.07 x 30.19	5.20 x 9.20	312 x 552	5750	2609	3494	13975	
18.38 x 32.82	5.60 x 10.00	N/A	N/A	18.38 x 32.82	5.60 x 10.00	336 x 600	6175	2801	4079	16313	
18.38 x 36.00	5.60 x 10.97	1.58	0.48	18.38 x 32.82	5.60 x 10.00	336 x 600	6425	2915	4079	16313	
19.69 x 35.44	6.00 x 10.80	N/A	N/A	19.69 x 35.44	6.00 x 10.80	360 x 648	7475	3391	4813	19252	
19.69 x 36.00	6.00 x 10.97	0.28*	0.09*	19.69 x 35.44	6.00 x 10.80	360 x 648	7550	3425	4813	19252	
21.01 x 36.75	6.40 x 11.20	N/A	N/A	21.01 x 36.75	6.40 x 11.20	384 x 672	8200	3720	5326	21301	
22.32 x 39.38	6.80 x 12.00	N/A	N/A	22.32 x 39.38	6.80 x 12.00	408 x 720	9075	4117	6000	23997	
23.63 x 42.00	7.20 x 12.80	N/A	N/A	23.63 x 42	7.20 x 12.80	432 x 768	10125	4593	6762	27046	
24.94 x 44.63	7.60 x 13.60	N/A	N/A	24.94 x 44.63	7.60 x 13.60	456 x 816	11425	5183	7568	30270	
26.26 x 47.25	8.00 x 14.40	N/A	N/A	26.26 x 47.25	8.00 x 14.40	480 x 864	12475	5659	8372	33487	

*Widths 1' (305 mm) and under are simple filler panels and not offered with logo/sponsor graphics.

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LVX-3000 16MT OUTDOOR VIDEO DISPLAY SPECIFICATIONS

SCOREBOARD-TO-VIDEO UPGRADE

Choose from 8 video display sizes to replace an outdoor scoreboard, typically between 18' (5.49 m) and 25' (7.62 m) wide. The new display mounts to the existing structure, reducing installation time and cost.

CABINET SIZE HEIGHT x WIDTH		FILLER PANEL WIDTH @2		ACTIVE AREA HEIGHT x WIDTH		MATRIX SIZE IN PIXELS		UNCRATED WEIGHT		POWER IN WATTS	
Feet	Meters	Feet	Meters	Feet	Meters	Rows	Columns	LB	KG	Avg.	Max.
7.88 x 18.00	2.40 x 5.49	0.47	0.14	7.88 x 17.06	2.40 x 5.20	144 x 312	1625	738	925	3699	
7.88 x 25.00	2.40 x 7.62	N/A	N/A	7.88 x 24.94	2.40 x 7.60	144 x 456	2200	998	1346	5384	
9.19 x 18.00	2.80 x 5.49	0.47	0.14	9.19 x 17.06	2.80 x 5.20	168 x 312	1825	828	1066	4264	
9.19 x 25.00	2.80 x 7.62	N/A	N/A	9.19 x 24.94	2.80 x 7.60	168 x 456	2500	1134	1553	6210	
9.19 x 36.75	2.80 x 11.20	N/A	N/A	9.19 x 36.75	2.80 x 11.20	168 x 672	3500	1588	2283	9129	
11.82 x 18.00	3.60 x 5.49	0.47	0.14	11.82 x 17.06	3.60 x 5.20	216 x 312	2500	1134	1426	5702	
11.82 x 25.00	3.60 x 7.62	N/A	N/A	11.82 x 24.94	3.60 x 7.60	216 x 456	3475	1577	2073	8290	
14.44 x 47.25	4.40 x 14.40	N/A	N/A	14.44 x 47.25	4.40 x 14.40	264 x 864	7050	3198	4669	18673	



FOR ADDITIONAL INFORMATION

- One Video Input Control: [DD1923154](#)
- Four Video Input Control: [DD1923152](#)
- Eight Video Input Control: [DD1923166](#)
- Standard Media Kit: [DD1969233](#)
- RealTime Data (RTD) Input Kits: [DD1936413](#)
- All Sport Pro: See [DD4252201](#)

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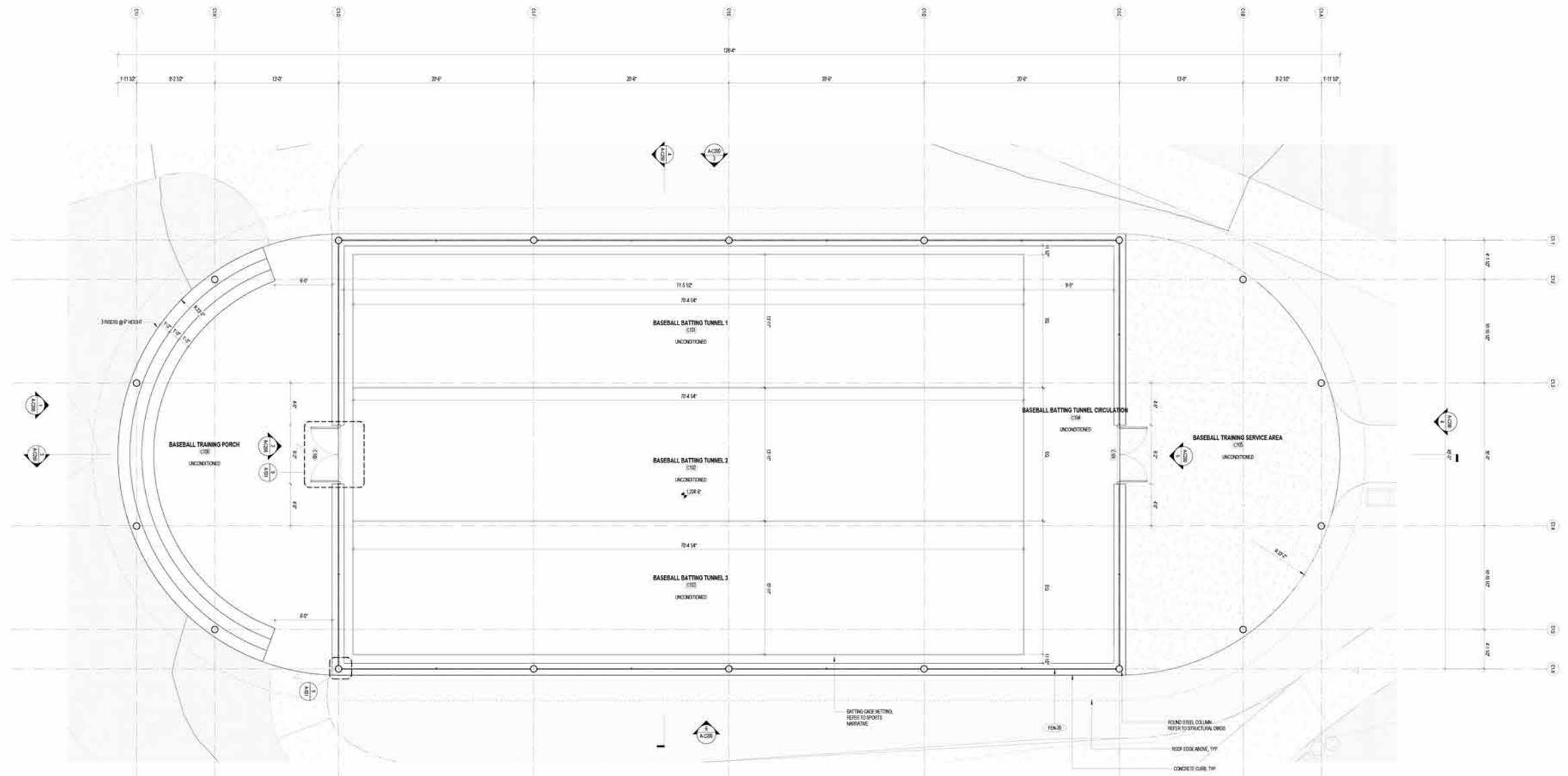


SCOREBOARDS

ROBERTS CAMPUS SPORTS BOWL
RENDERINGS / FLOOR PLANS



BASEBALL TRAINING CENTER



BASEBALL TRAINING CENTER



BASEBALL & SOFTBALL STADIUM, GOLF PRACTICE FIELD







SOFTBALL TRAINING CENTER

EAST FIELDHOUSE

STADIUM PRESS BOX

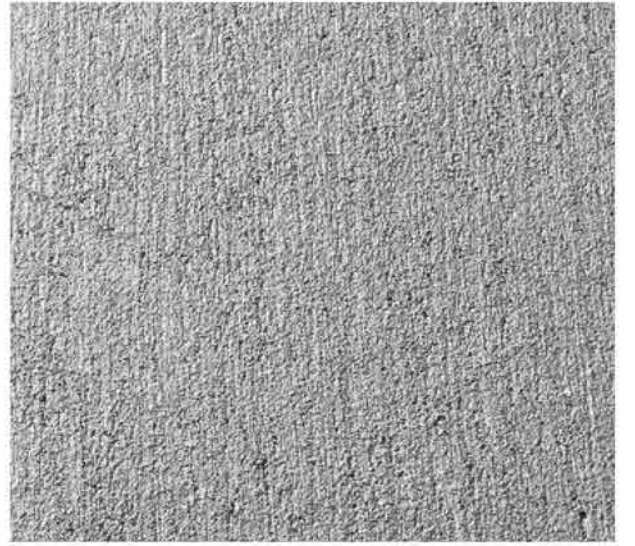
CENTRAL PLAZA

NORTH FIELDHOUSE

STAGS & ATHENAS FIELD

WEST FIELDHOUSE

TIER 1 STADIUM



CONCRETE 'BROOM' FINISH | CONC-22



**CONCRETE 'RETARDED' FINISH - CAMPUS STANDARD
CONC-11**

CONCRETE SAMPLES



BUILDING MATERIALITY

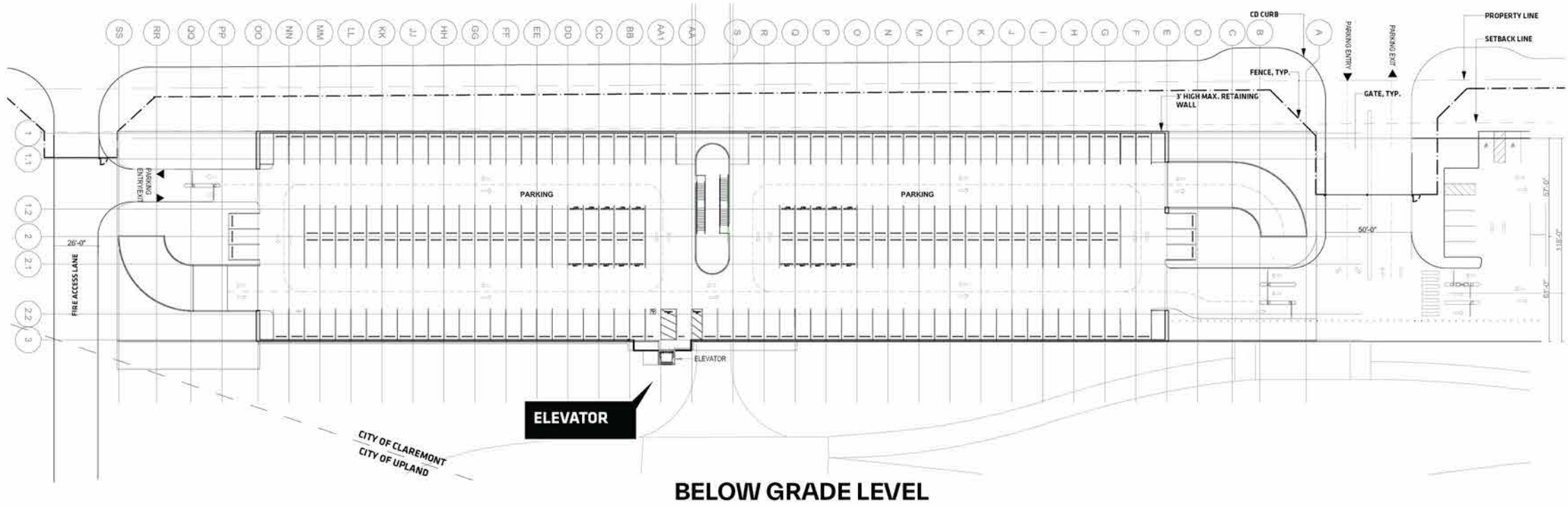
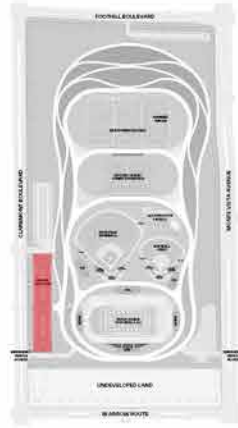
ROBERTS CAMPUS SPORTS BOWL
PARKING STRUCTURE & ARCADE



PARKING STRUCTURE
(UNENCLOSED ABOVE GRADE &
PARTIALLY ENCLOSED BELOW GRADE)

ARCADE

PARKING STRUCTURE & ARCADE

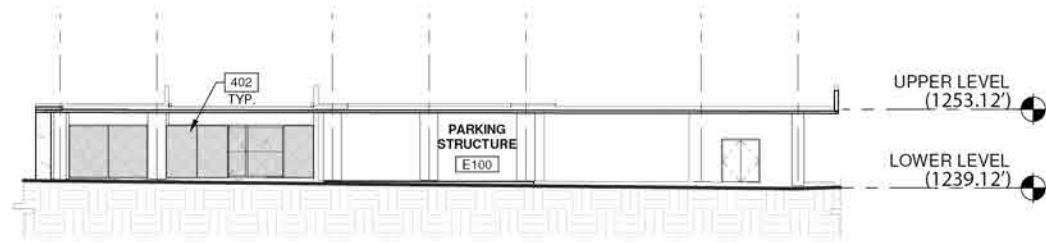
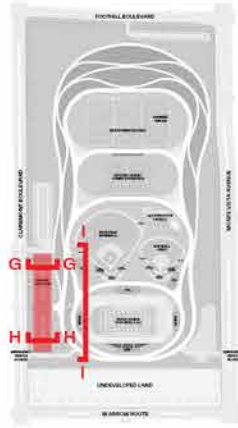


BELOW GRADE LEVEL

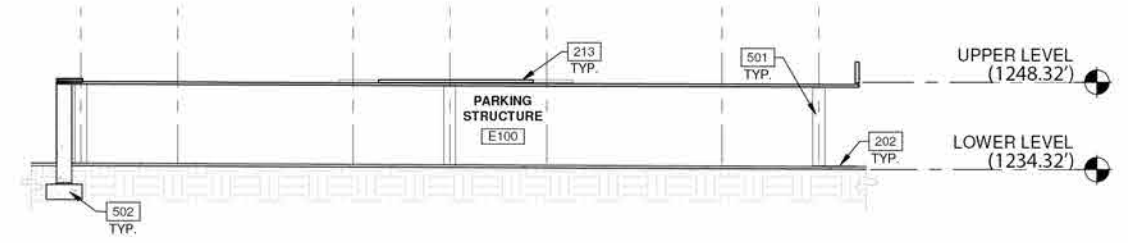


GRADE LEVEL

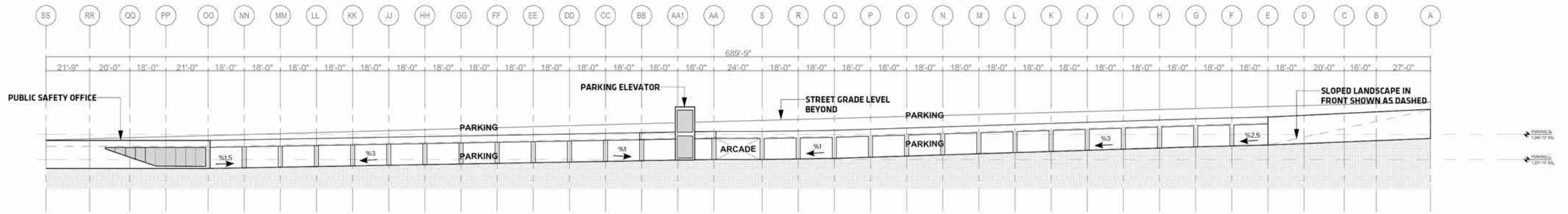
PARKING STRUCTURE PLAN



SECTION G



SECTION H



ELEVATION I

PARKING STRUCTURE SECTION



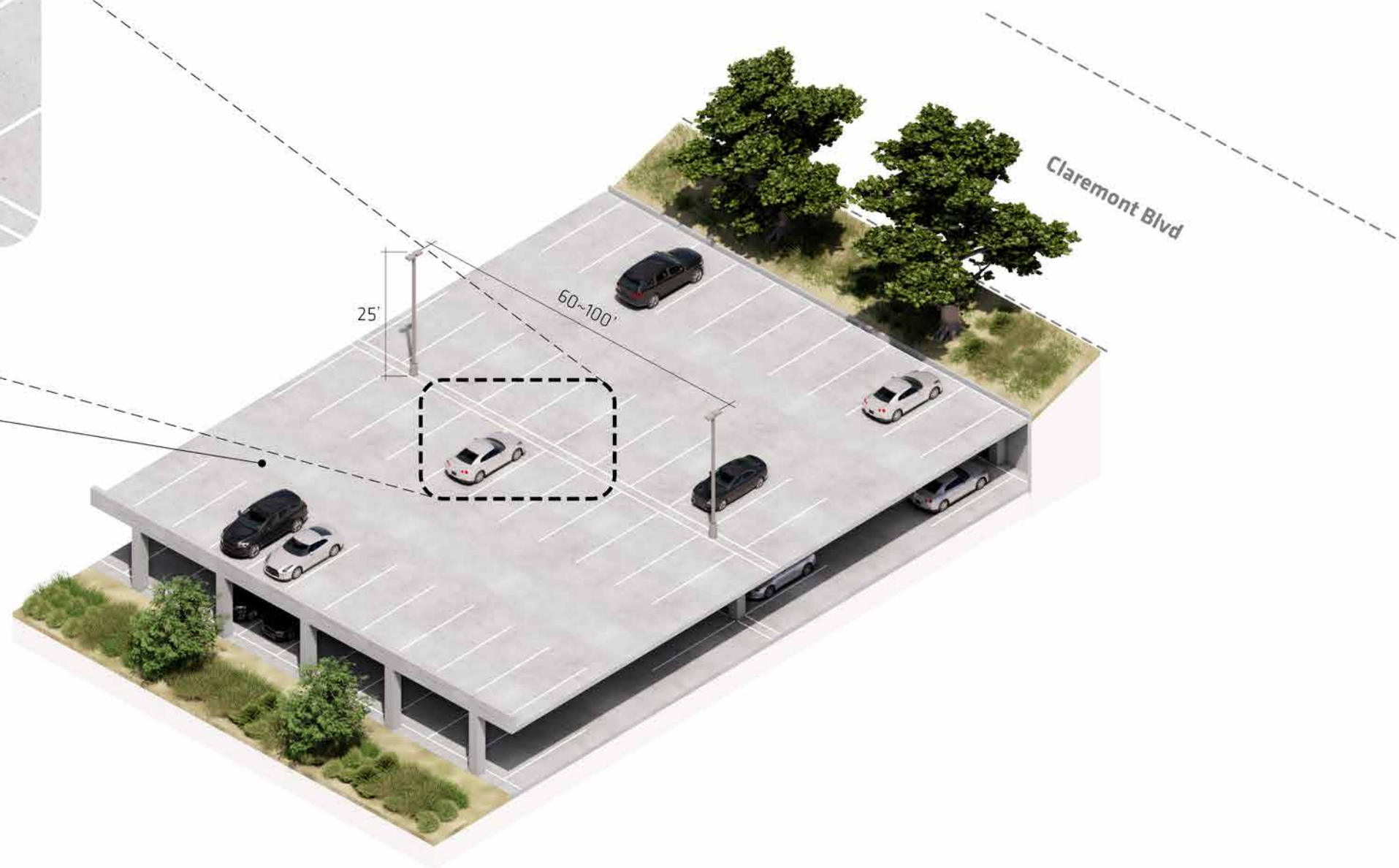
PARKING STRUCTURE EXTERIOR VIEW



ZOOM-IN

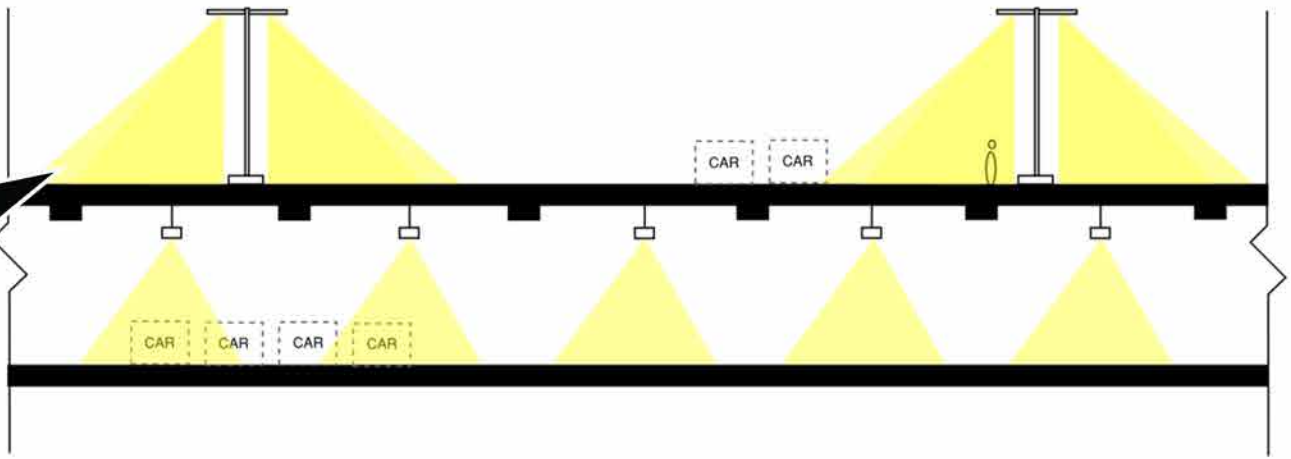


SITE CAST
CONCRETE



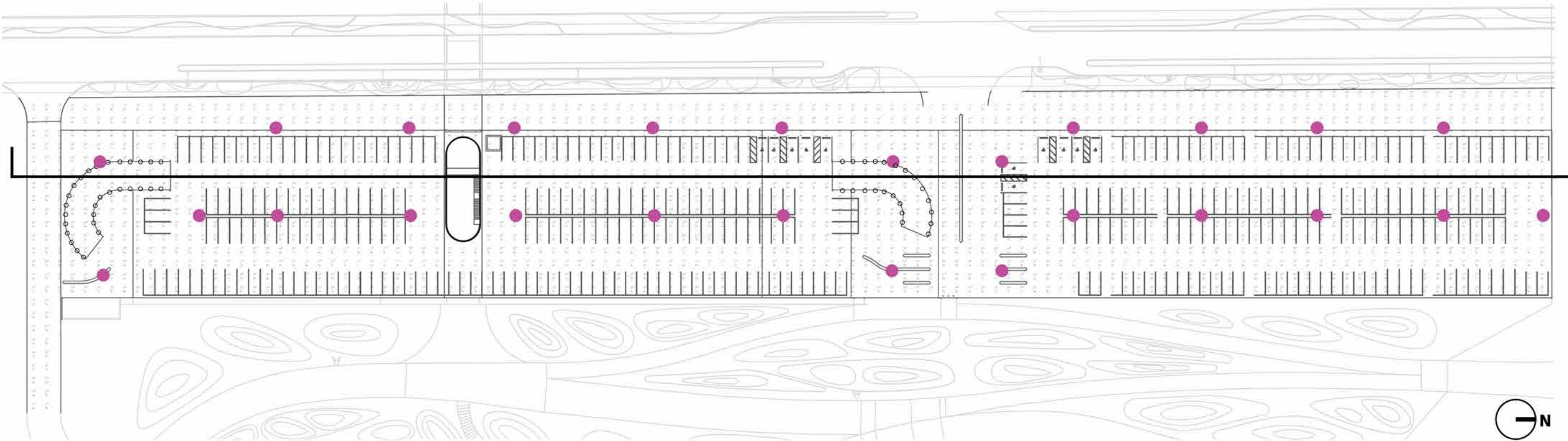
PARKING STRUCTURE MATERIAL & DETAIL

Parking structure lights point downward illuminating the upper level of the garage for safety/ security.



SECTION DIAGRAM

SECTION
DIAGRAM



PARKING STRUCTURE LIGHTING



THE LIGHTING IS DARK SKY
COMPATIBLE AND MEETS CODE
MINIMUM REQUIREMENTS.

COOPER LIGHTING SOLUTIONS

GALN GALLEON II

Catalog #	Light Source		
(2) GALN-SA2-D-830-U-T4W-BK-DIM-MA1037/39-XX +25FT TALL SQUARE POLE	LED 3000K 80CRI 15568LM		
Accessories	Fixture Wattage	Fixture Voltage	Load Type
	250W	UNV	0-10V

11/22/2024



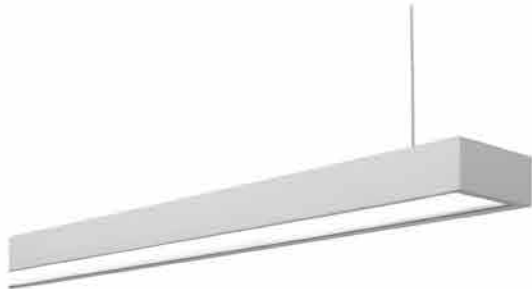
25FT POLE WITH AREA LIGHT, 2 HEAD
@180°, TYPE V WIDE DISTRIBUTION

270 CORAL CIRCLE | EL SEGUNDO, CALIFORNIA, 90245 | TEL: 310.552.2191

ROBERTS CAMPUS SPORTS BOWL

F2A

ABOVE GRADE LEVEL: LIGHT POLES
25' TALL, SPACED EVERY 100"



EXTANT ARCHITECTURAL LIGHTING

HUNTINGTON 3 PENDANT

Catalog #	Light Source		
HTG-3P-TD-DT-6FT DML-830-MEOBW-VU-D-BP-AC-24-BK-MH-C5-RNB	LED 3000K 90CRI 3312LM/FT		
Accessories	Fixture Wattage	Fixture Voltage	Load Type
	27.3	UNV	0-10V

11/22/2024



PENDANT MOUNTED DIRECT AMBIENT
LINEAR FIXTURE IN GARAGE

270 CORAL CIRCLE | EL SEGUNDO, CALIFORNIA, 90245 | TEL: 310.552.2191

ROBERTS CAMPUS SPORTS BOWL

F7A

BELOW GRADE LEVEL: SUSPENDED LINEAR LIGHT
SPACED EVERY 18' / 36'

PARKING STRUCTURE LIGHTING



PARKING STRUCTURE MATERIAL & DETAIL

BELOW GRADE LEVEL



PARKING STRUCTURE MATERIAL & DETAIL

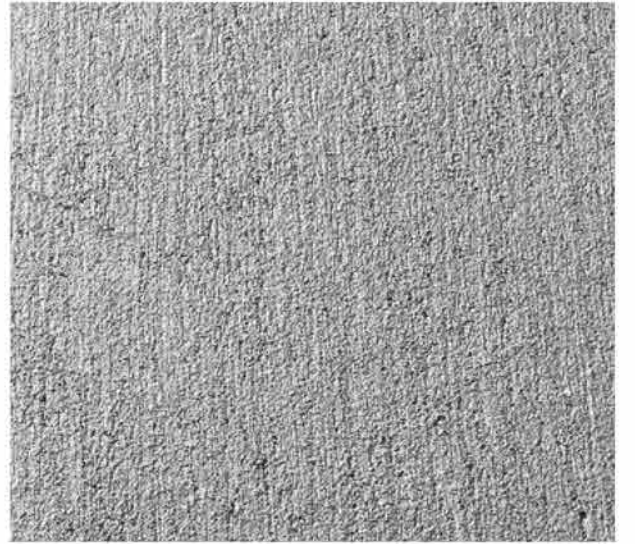
ABOVE GRADE LEVEL



The Arcade connects the main campus and east campus, but it is not part of the sports bowl scope. Thus, it is only provided here for information purposes

ARCADE MATERIAL & DETAIL

Aligning with north mall
pavement materiality



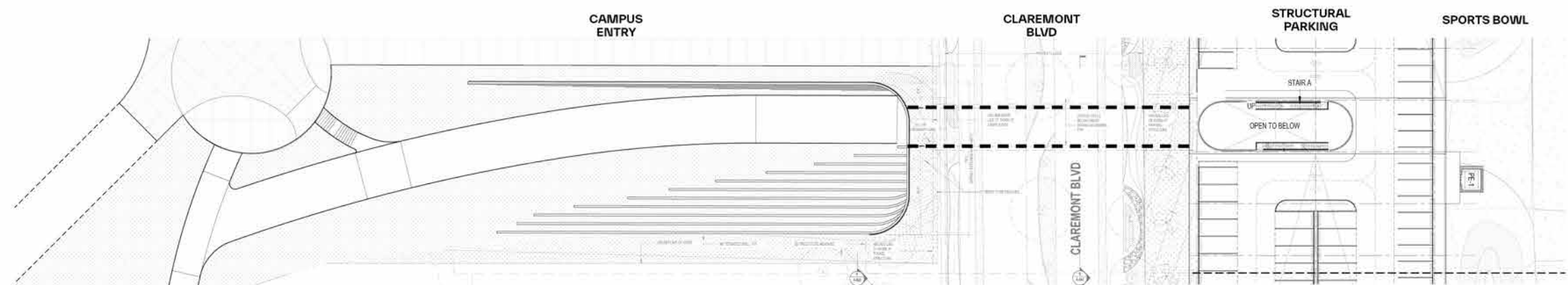
CONCRETE 'BROOM' FINISH | CONC-22



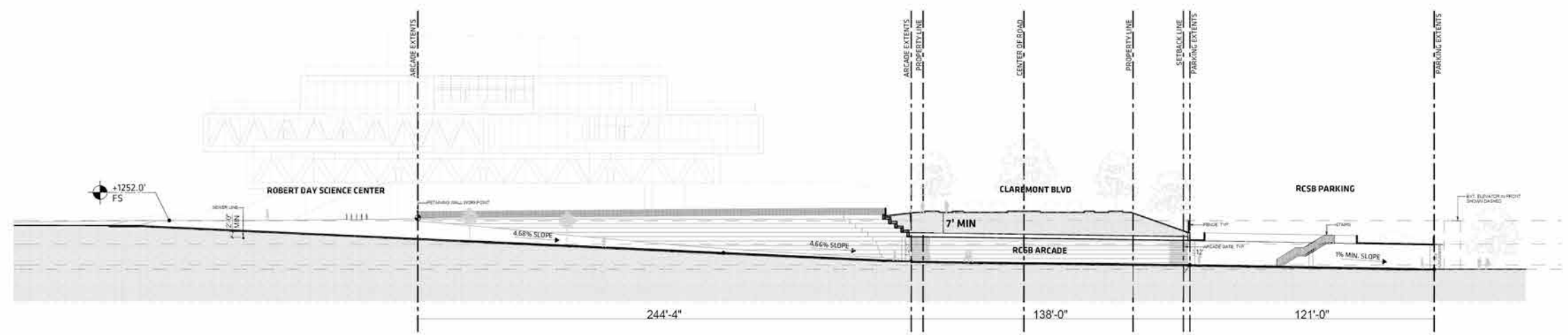
CONCRETE 'RETARDED' FINISH - CAMPUS STANDARD
CONC-11

ARCADE MATERIAL & DETAIL

The Arcade connects the main campus and east campus, but it is not part of the sports bowl scope. Thus, it is only provided here for information purposes

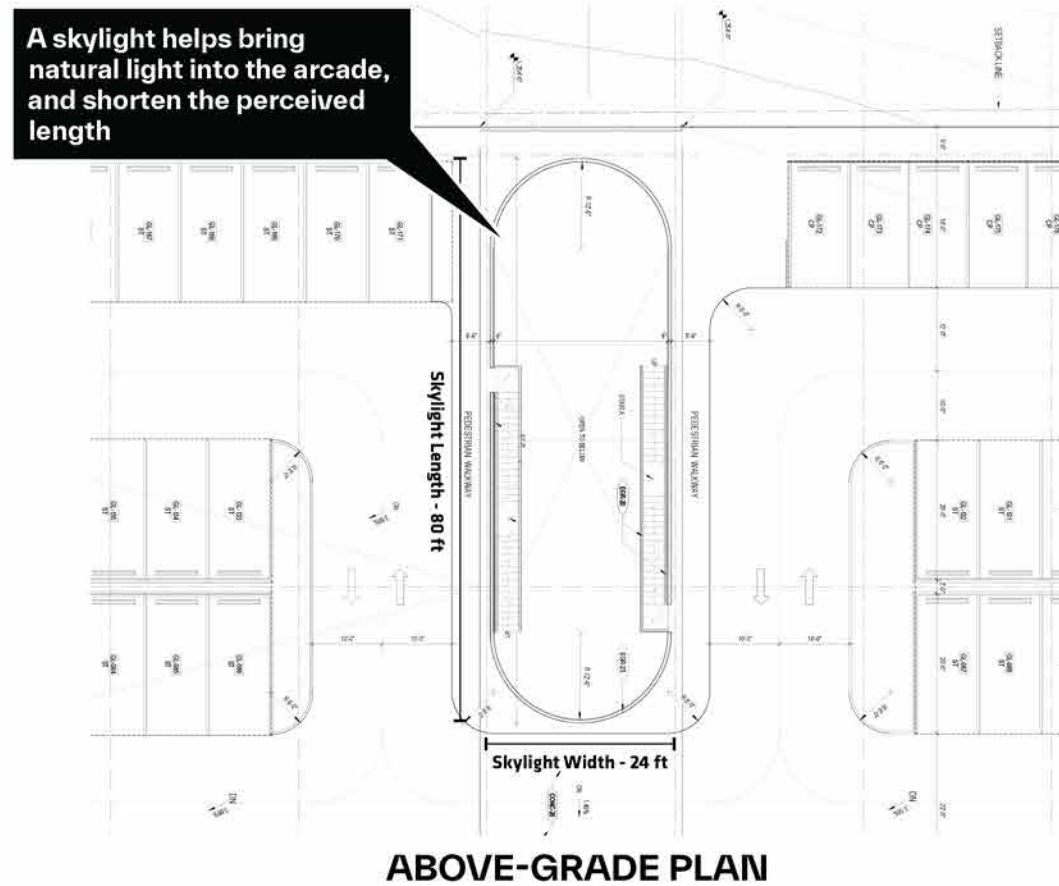
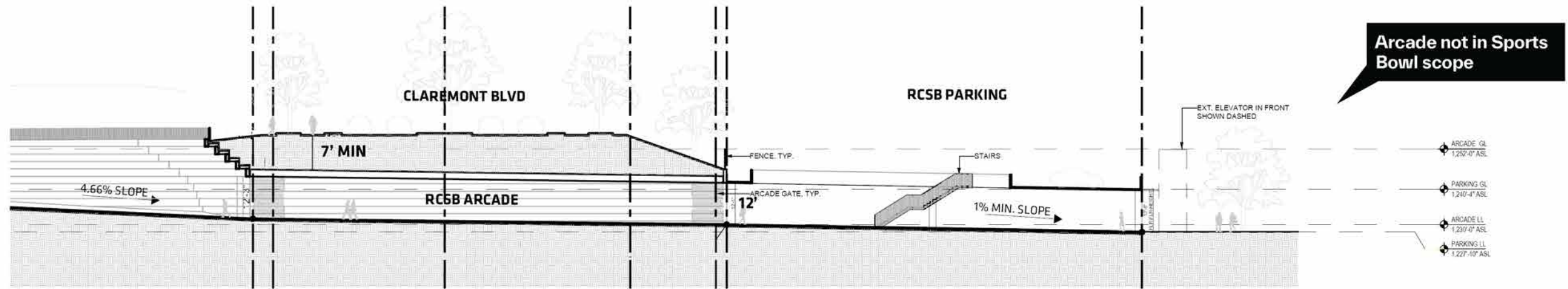


ABOVE GRADE LEVEL PLAN

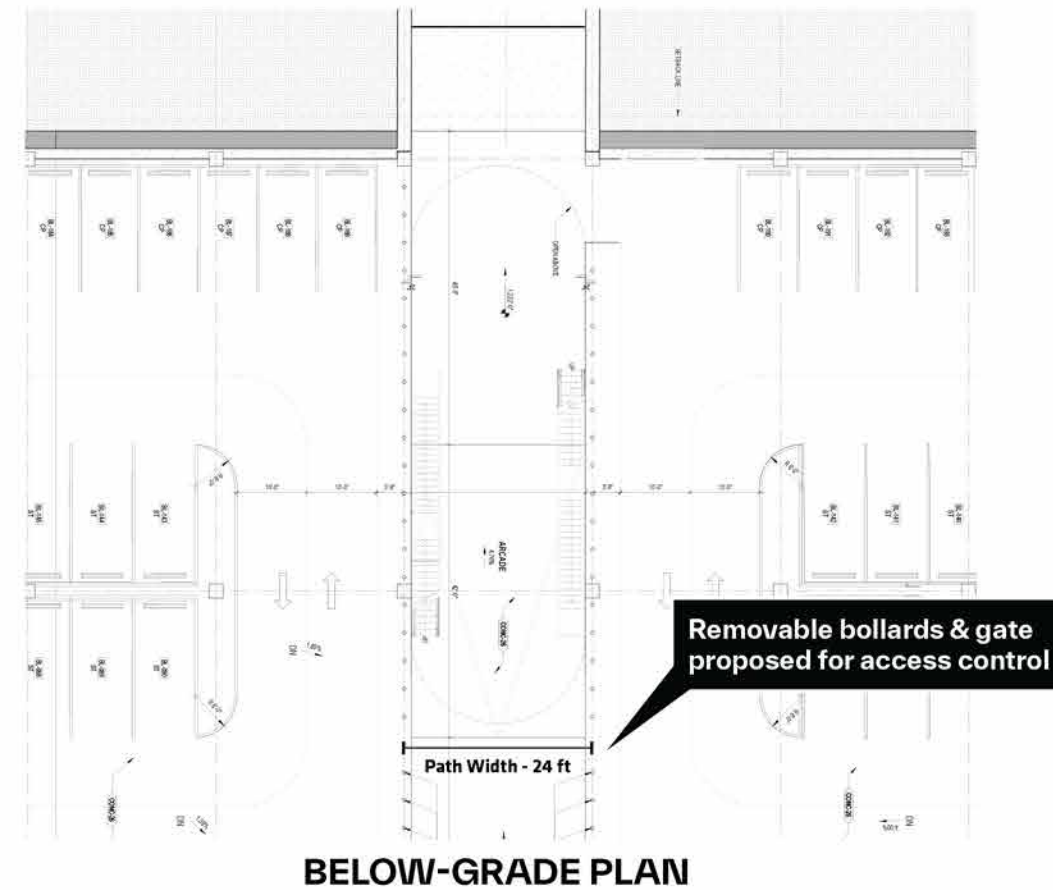


EW SECTION

ARCADE PLAN & SECTION



ABOVE-GRADE PLAN



BELOW-GRADE PLAN

ARCADE INTERSECTION WITH PARKING STRUCTURE

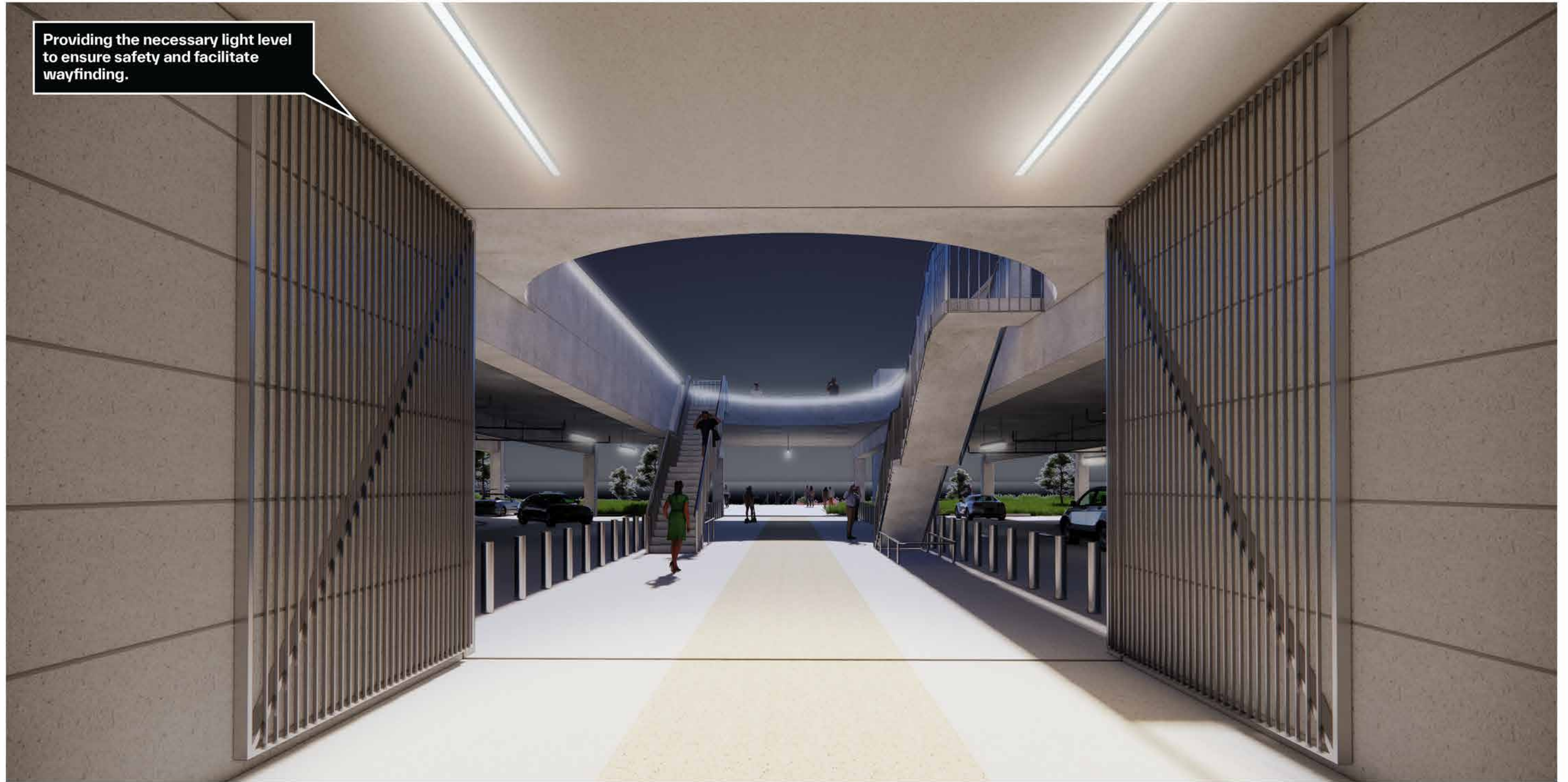


Arcade not in Sports
Bowl scope

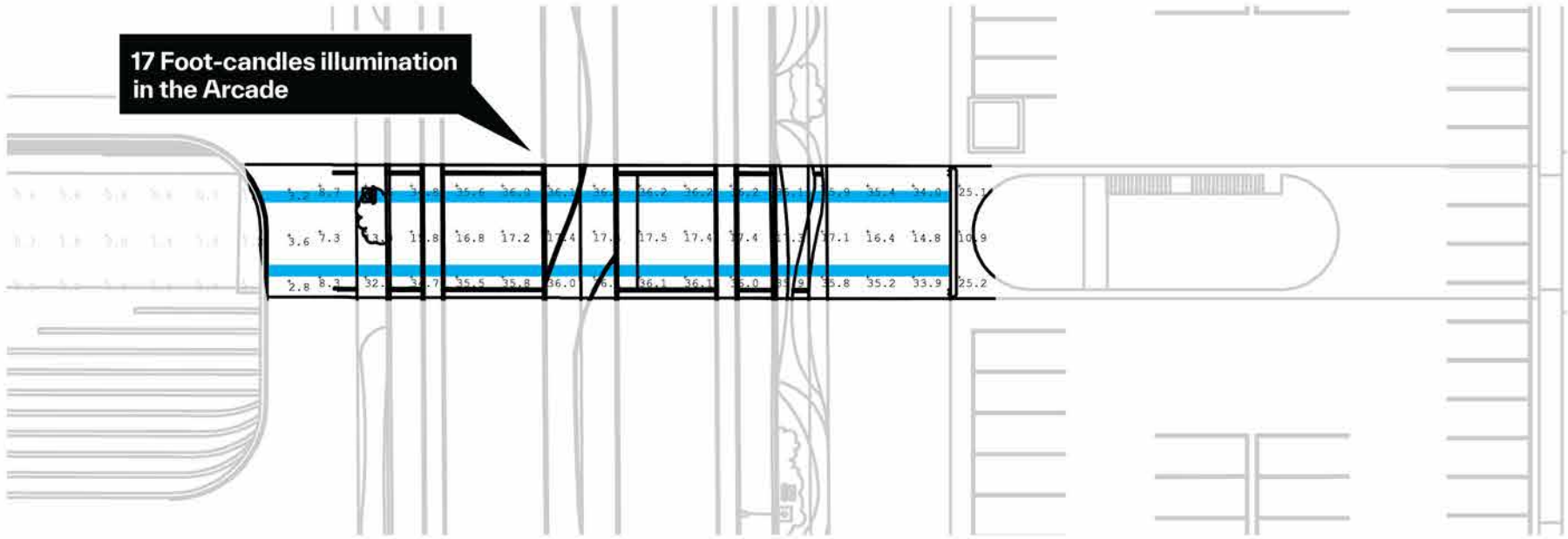
Double Stair at Skylight

ARCADE & PARKING STRUCTURE CONNECTION: SKYLIGHT & STAIRCASES

Providing the necessary light level to ensure safety and facilitate wayfinding.



ARCADE LIGHTING



ECOSENSE
TROV L50 ASYM

Catalog #	Light Source		
L50-E-LENGTH-06-30-80-MULT-ASY	LED 3000K 80CRI 489LM/FT		
Accessories	Fixture Wattage	Fixture Voltage	Load Type
	6W/FT	UNV	ELV

11/22/2024		ROBERTS CAMPUS SPORTS BOWL	
	SURFACE MOUNTED LINE VOLTAGE LINEAR		F9
	270 CORAL CIRCLE EL SEGUNDO, CALIFORNIA, 90245 TEL: 310.552.2191		

UNDERGROUND: SURFACE MOUNTED LINEAR LIGHT
10' FT TALL, SPACED EVERY 50'

ARCADE LIGHTING

ROBERTS CAMPUS SPORTS BOWL
LANDSCAPE

BIO-GRIDS			
SYMBOL	BOTANICAL/COMMON NAME	SIZE	REMARKS
	CALAMAGRODES PULCHRA	1 GAL PLANT	
	RENOVONIA REED-GRASS		
	ACHILLEA MILEFOLIUM		
	YORCON		
	ANDROPOGON CALAMAGROCH		
	YORBA MANA		
	BOERHAAVIA LASIOCARPA		
	POANILLON		
	SCORPUS 20M		
	BULGARIAN		
	GERMINALTHE CANADA		
	PARVILLI		
	GRASS 20M		
	WALLER		
ANDROS CORNENS GREY			
GRAY PLANT			

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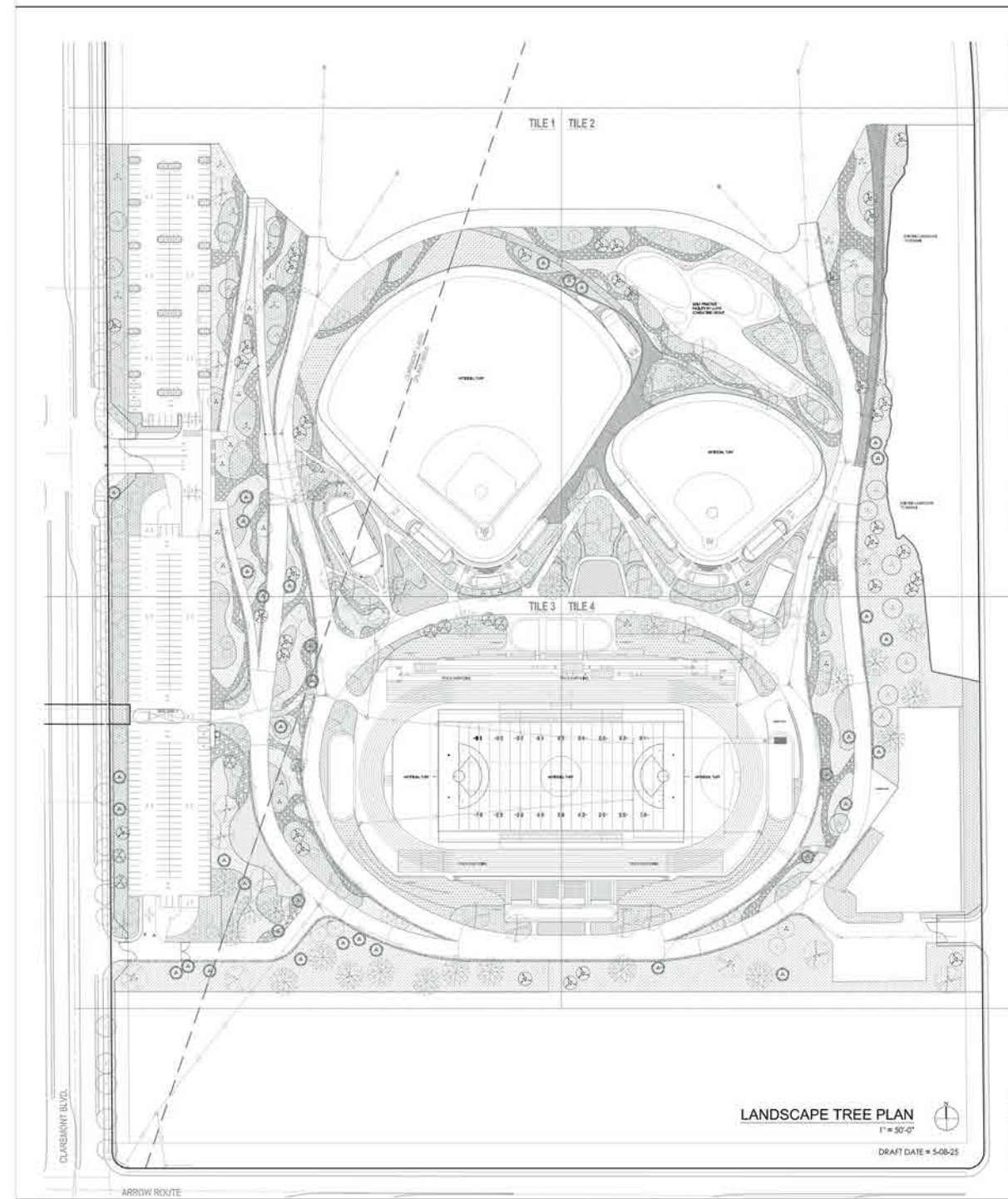
GRASS AREAS			
SYMBOL	BOTANICAL COMMON NAME	SIZE	REMARKS
	<u>AGROSTIS PALLENS</u>		
	CALIFORNIA NO SHOW NATIVE SOO. BR.		
	FROM DELTA BLUEGRASS OR WEST COAST TUM		
	MARKATHON II		

BATTERS EYE PLANTING		SPACING		
SYMBOL	BOTANICAL/COMMON NAME	SIZE	QTY	REMARKS
	BACCHARIS PLEURAS POISON FENCE	5 GAL	80' O.U.	

	ST-04 RECLAIMED BRLE STONE 1'-0" SEE RANGE FROM QUARRY	1'-0"	
	ST-05 RECLAIMED BRLE STONE 3'-0" SEE RANGE FROM QUARRY	3'-0"	
	ST-06 RECLAIMED BRLE STONE 6'-0" SEE RANGE FROM QUARRY	6'-0"	
	ST-07 LARGE BOULDERS SEE RANGES FROM QUARRY		



LANDSCAPE PLAN



LANDSCAPE TREE PLAN

TREES



PLATANUS RACEMOSA
WESTERN SYCAMORE



ARBUTUS X 'MARINA'
MARINA STRAWBERRY TREE



CERCIDIUM X 'DESERT MUSEUM'
DESERT MUSEUM
PALO VERDE



CHILOPSIS LINEARIS 'MONHEWS'
TIMELESS BEAUTY® DESERT WILLOW



CHILOPSIS LINEARIS CVS.
DESERT WILLOW



X CHITALPA TASHKENTENSIS CVS.
CHITALPA



AESCULUS CALIFORNICA
CALIFORNIA BUCKEYE



PRUNUS ILICIFOLIA
CALIFORNIA CHERRY



PRUNUS ILICIFOLIA
SSP. LYONII
CATALINA CHERRY



HETEROMELES ARBUTIFOLIA
TOYON



ARCTOSTAPHYLOS SPP.MANZANITA



QUERCUS AGRIFOLIA
COAST LIVE OAK

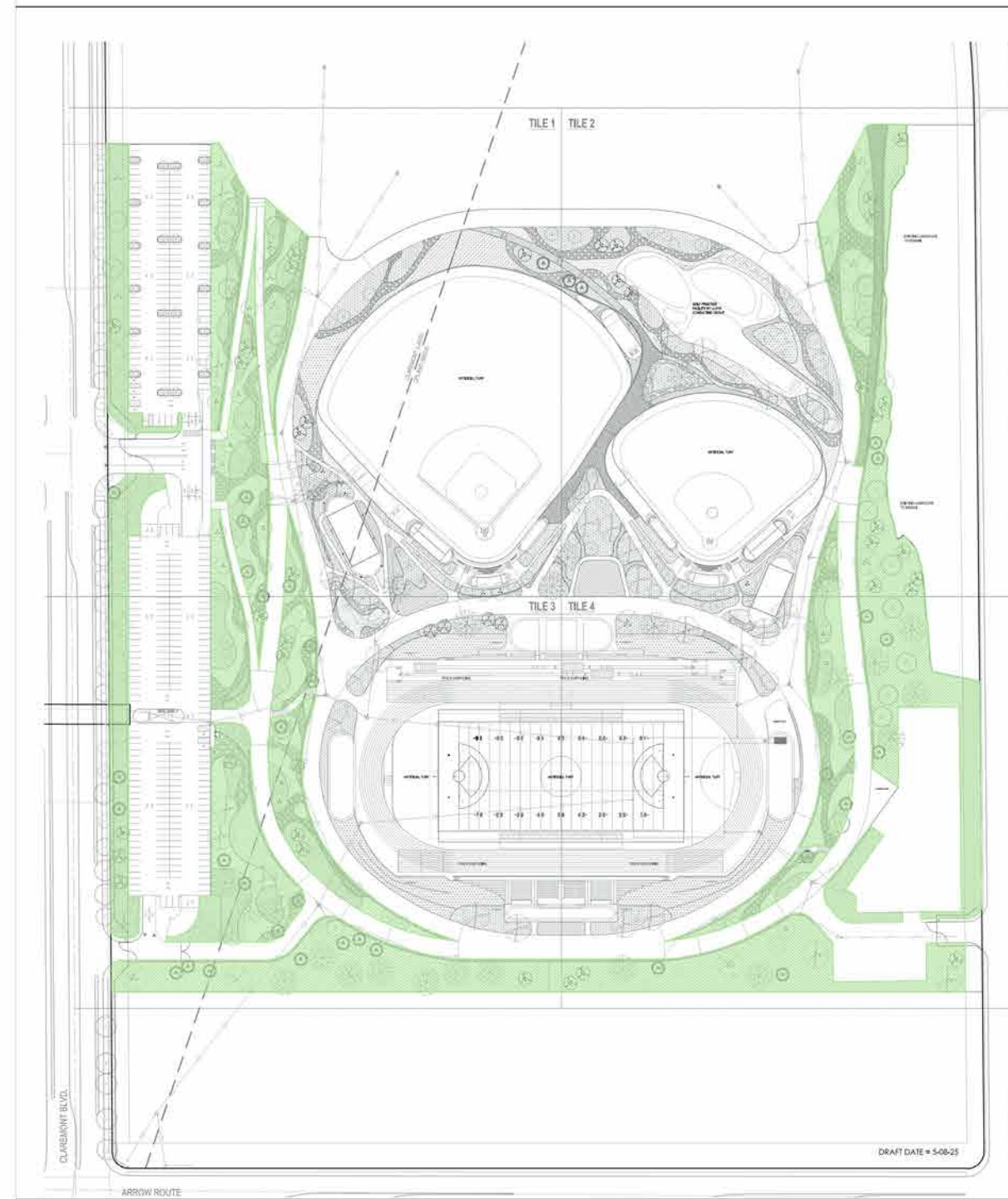


QUERCUS CHRYSOLEPIS
CANYON LIVE OAK



QUERCUS ENGELMANNII
ENGELMANN OAK

LANDSCAPE TREES



LANDSCAPE PLANTING ZONE - CHAPARRAL

SHRUBS

												
ABUTILON PALMERI PALMER'S ABUTILON	BACCHARIS 'CENTENNIAL' CENTENNIAL DESERT BROOM	HETEROMELES ARBUTIFOLIA TOYON	MALOSMA LAURINA LAUREL SUMAC	RHAMNUS CALIFORNICA COFFEEBERRY	SALVIA APIANA WHITE SAGE	SALVIA 'POZO BLUE' GREY MUSK SAGE	DENDROMECON RIGIDA BUSH POPPY	LEYMUS CONDENSATUS 'CANYON PRINCE' CANYON PRINCE WILD EYE	ERIOGONUM GIGANTEUM' ST. CATHERINE'S LACE	ARCHILLEA MILLEFOLIUM YARROW	MIMULUS AURANTIACUS BUSH MONKEYFLOWER	BACCHARIS PILULARIS 'PIGEON POINT' DWARF COYOTE BRUSH
												
ACMISPON GLABER DEERWEED	CALOCHORTUS LUTEUS MARIPOSA LILY	ERIOGONUM FASCICULATUM CALIFORNIA BUCKWHEAT	LOTUS SCOPARIUS DEERWEED	STIPA LEPIDA FOOTHILL NEEDLEGRASS	BACCHARIS EMORYI DESERT BACCHARIS	BACCHARIS SAROTHROIDES TAMARISK-LEAFED BACCHARIS	BUDDELJA DAVIDII CVS. BUTTERFLY BUSH	RIBES MALVACEUM CHAPARRAL CURRANT	SCIRPUS MICROCARPUS PANICLED BULRUSH	JUNCUS SPP. RUSH	GALVEZIA SPECIOSA SLAND SNAPDRAGON	CALAMAGROTIS FOLIOSA MENDOCINO REED GRASS
												
BRICKELLIA CALIFORNICA CALIFORNIA BRICKELLBUSH	PHACELIA RAMOSISSMA BRANCHING PACHELIA	SALVIA MELLIFERA 'BEE'S BLISS' BEE'S BLISS CREEPING SAGE	MALACOTHAMNUS FREMONTII FREMONT'S BUSHMALLOW	TEUCRIUM CHAMAEDRY'S 'PROSTRATUM' PROSTRATE GERMANDER	BOUTELOU GRACILIS 'BONDE AMBITION' BLOND AMBITIONS BLUE GRAMA GRASS	CLEOMELLA ARBOREA BLADDERPOD	ROMNEYA COULTERI CALIFORNIA TREE POPPY	VITIS CALIFORNICA 'ROGER'S RED' ROGERS RED CALIFORNIA GRAPE	CLEMATIS LASIANTHA CHAPARRAL CLEMATIS	CISTUS SPP. ROCK ROSE		

LANDSCAPE PLANTING ZONE - CHAPARRAL

HYDROSEED



MALOSMA LAURINA
LAUREL SUMAC



BACCHARIS EMORYI
DESERT BACCHARIS



BACCHARIS SAROTHROIDES
TAMARISK-LEAFED
BACCHARIS



BRICKELLIA CALIFORNICA
BRICKEBUSH



ERIOPHYLLUM CONFERTIFLORUM
GOLDEN YARROW



CORETHROGYNE FILAGINIFOLIA
COMMON SANDASTER



HELIOTROPIUM CURASSAVICUM
SALT HELIOTROPE



SALVIA COLUMBARIAE
CHIA



MALACOTHAMNUS FREMONTI
FREMONT'S BUSH
MALLOW



CAMISSONIOPSIS BISTORTA
CALIFORNIA SUNCUP



PENSTEMON SPECTABILIS
SHOWY PENSTEMON



ARISTIDA PURPUREA
PURPLE THREEAWN



HETEROMELES ARBUTIFOLIA
TOYON



ACMISPON GLABER
DEERWEED



ARTEMISIA CALIFORNICA
COASTAL SAGEBRUSH



ENCELIA FARINOSA
BRITTLEBUSH



ERIOGONUM FASCICULATUM
CALIFORNIA BUCKWHEAT



LASTHENIA CALIFORNICA
CALIFORNIA
GOLDENFIELDS



LUPINUS BICOLOR
MINIATURE LUPINE



SALVIA APIANA
WHITE SAGE



ARCHILLEA MILLEFOLIUM
YARROW



NEMOPHILA MENZIESII
CVS.
BABY BLUE EYES



ESCHSCHOLZIA CALIFORNICA
CALIFORNIA POPPY

TREES



PLATANUS RACEMOSA
WESTERN SYCAMORE



ARBUTUS X 'MARINA'
MARINA STRAWBERRY
TREE



CERCIDIUM X 'DESERT MUSEUM'
DESERT MUSEUM
PALO VERDE



CHIOPSIS LINEARIS 'MONHEVS'
TIMELESS BEAUTY®
DESERT WILLOW



CHIOPSIS LINEARIS
CVS.
DESERT WILLOW



X CHITALPA TASHKENTENSIS CVS.
CHITALPA



AESCULUS CALIFORNICA
CALIFORNIA BUCKEYE



PRUNUS ILICIFOLIA
CALIFORNIA CHERRY



PRUNUS ILICIFOLIA
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CATALINA CHERRY



HETEROMELES ARBUTIFOLIA
TOYON



ARCTOSTAPHYLOS SPP.
MANZANITA



QUERCUS AGRIFOLIA
COAST LIVE OAK

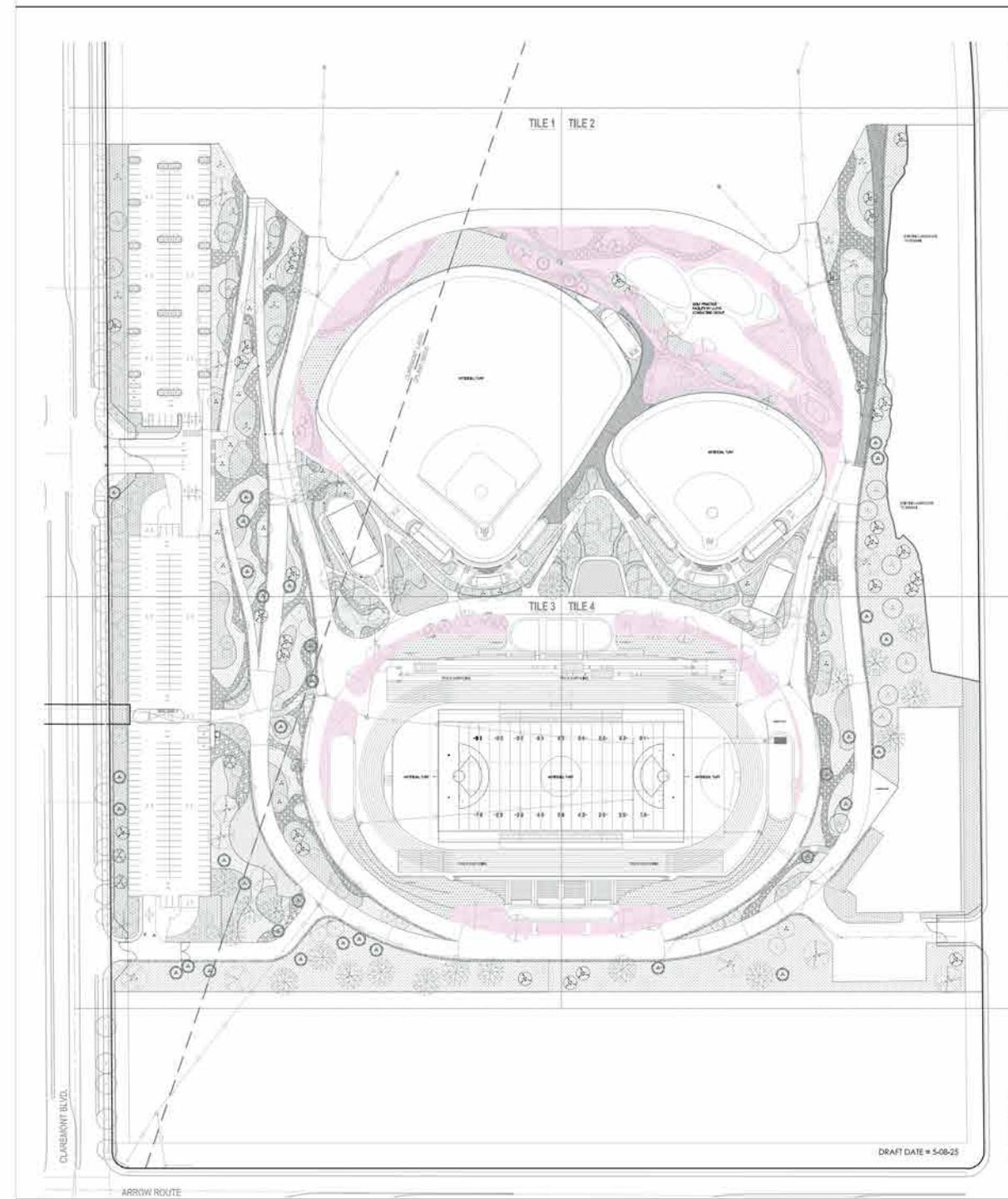


QUERCUS CHRYSOLEPIS
CANYON LIVE OAK



QUERCUS ENGELMANNII
ENGELMANN OAK

LANDSCAPE PLANTING ZONE - CHAPARRAL



LANDSCAPE PLANTING ZONE - SAGE SCRUB

SHRUBS

												
ABUTILON PALMERI PALMER'S ABUTILON	BACCHARIS 'CENTENNIAL' CENTENNIAL DESERT BROOM	HETEROMELES ARBUTIFOLIA TOYON	MALOSMA LAURINA LAUREL SUMAC	RHAMNUS CALIFORNICA COFFEEBERRY	SALVIA APIANA WHITE SAGE	SALVIA 'POZO BLUE' GREY MUSK SAGE	DENDROMECON RIGIDA BUSH POPPY	LEYMUS CONDENSATUS 'CANYON PRINCE' CANYON PRINCE WILD EYE	ERIOGONUM GIGANTEUM' ST. CATHERINE'S LACE	ARCHILLEA MILLEFOLIUM YARROW	MIMULUS AURANTIACUS BUSH MONKEYFLOWER	BACCHARIS PILULARIS 'PIGEON POINT' DWARF COYOTE BRUSH
												
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LANDSCAPE PLANTING ZONE - SAGE SCRUB

HYDROSEED



MALOSMA LAURINA
LAUREL SUMAC



BACCHARIS EMORYI
DESERT BACCHARIS



BACCHARIS SAROTHROIDES
TAMARISK-LEAVED
BACCHARIS



BRICKELLIA CALIFORNICA
BRICKEBUSH



ERIOPHYLLUM CONFERTIFLORUM
GOLDEN YARROW



CORETHROGYNE FILAGINIFOLIA
COMMON SANDASTER



HELIOTROPIUM CURASSAVICUM
SALT HELIOTROPE



SALVIA COLUMBARIAE
CHIA



MALACOTHAMNUS FREMONTI
FREMONT'S BUSH
MALLOW



CAMISSONIOPSIS BISTORTA
CALIFORNIA SUNCUP



PENSTEMON SPECTABILIS
SHOWY PENSTEMON



ARISTIDA PURPUREA
PURPLE THREEAWN



HETEROMELES ARBUTIFOLIA
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CVS.
BABY BLUE EYES



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CALIFORNIA POPPY

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CALIFORNIA BUCKEYE



PRUNUS ILICIFOLIA
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CATALINA CHERRY



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TOYON



ARCTOSTAPHYLOS SPP.
MANZANITA



QUERCUS AGRIFOLIA
COAST LIVE OAK

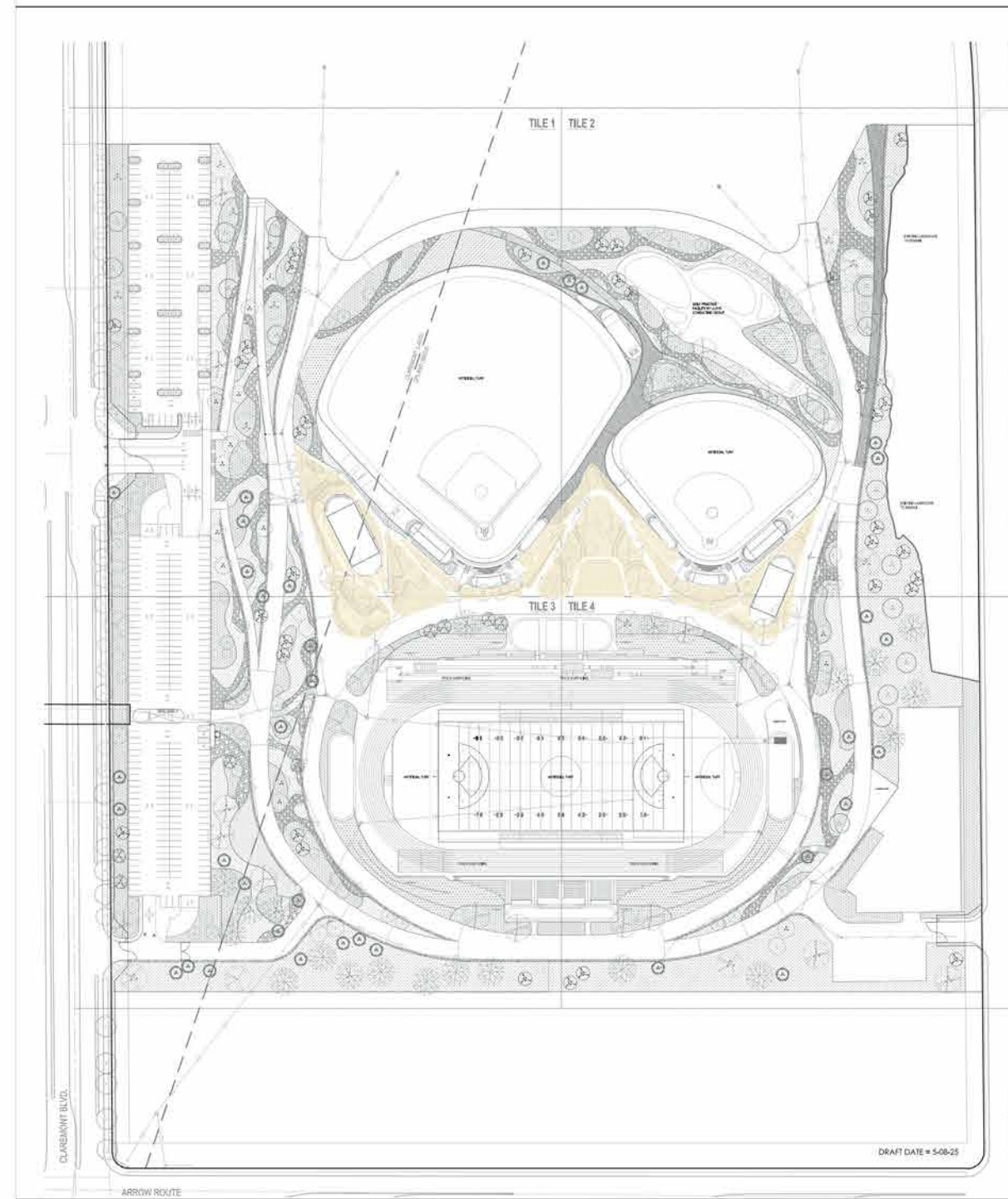


QUERCUS CHRYSOLEPIS
CANYON LIVE OAK



QUERCUS ENGELMANNII
ENGELMANN OAK

LANDSCAPE PLANTING ZONE - SAGE SCRUB



THE MINIMUM RIPARIAN
AREA REQUIRED BY THE
MMRP IS PROVIDED.

LANDSCAPE PLANTING ZONE - RIPARIAN



CALAMAGROTIS FOLIOSA
MENDOCINO REED GRASS



ARCHILLEA MILLIFOLIUM
YARROW



ANEMOPSIS CALIFORNICA
YERBA MANSA



HIBISCUS LASIOCARPOS
ROSEMALLOW



SCIRPUS SPP.
BULRUSH



ZEPHYRANTHES CANDIDA
RAIN LILY

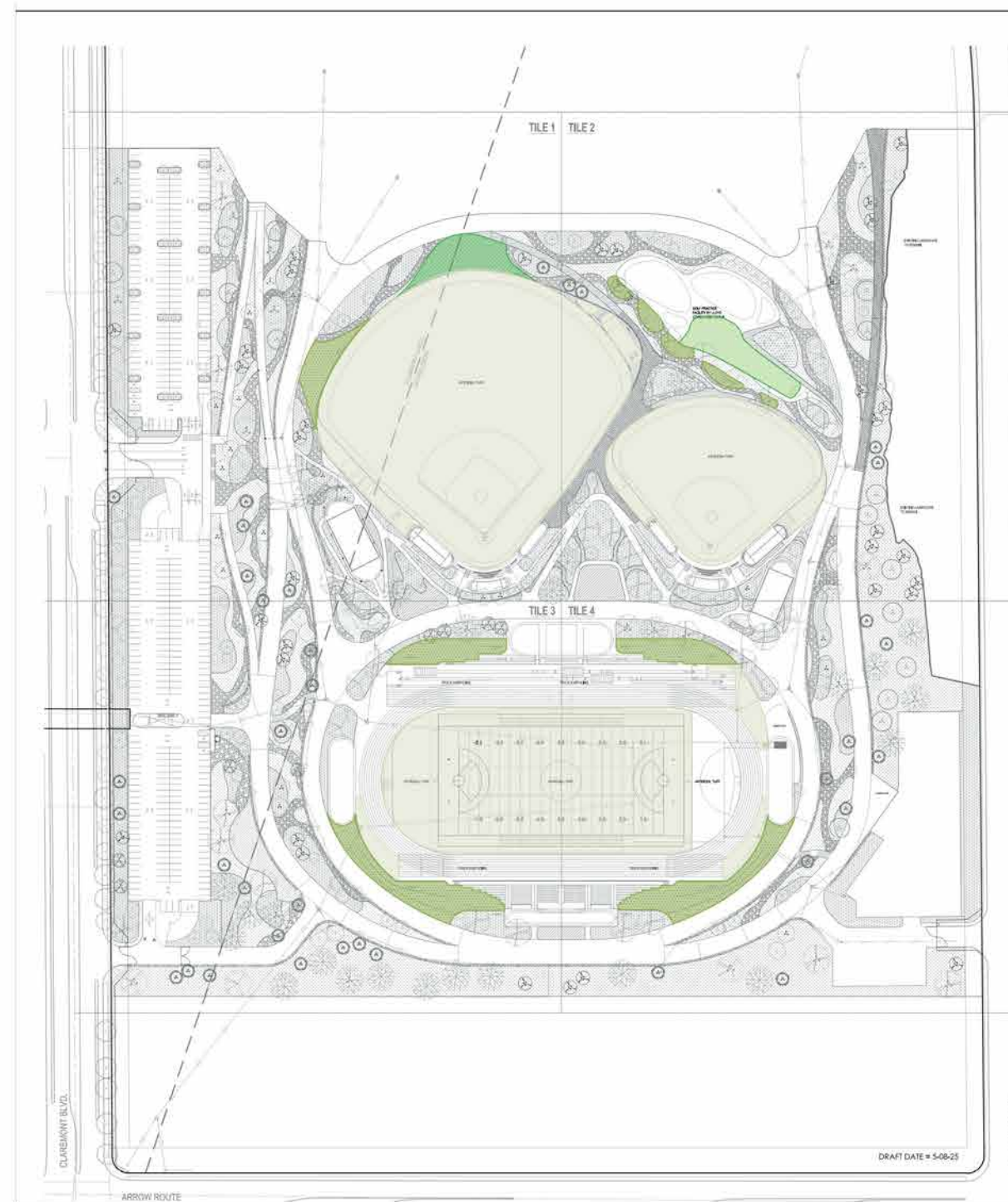


SALIX SPP.
WILLOW



JUNCUS 'CARMENS GREY'
GRAY RUSH

LANDSCAPE PLANTING ZONE - RIPARIAN



- BACCHARIS PILULARIS 'PIGEON POINT'- DWARF COYOTE BRUSH
- CALIFORNIA NO MOW - CALIFORNIA NATIVE BENTGRASS
- CALIFORNIA NATIVE MOW FREE™ SOD
- SYNTHETIC TURF

SPORTS FIELD - NATURAL AND SYNTHETIC TURF AREAS



**BACCHARIS PILULARIS
'PIGEON POINT'**
DWARF COYOTE BRUSH



CALIFORNIA NO MOW
CALIFORNIA NATIVE BENTGRASS

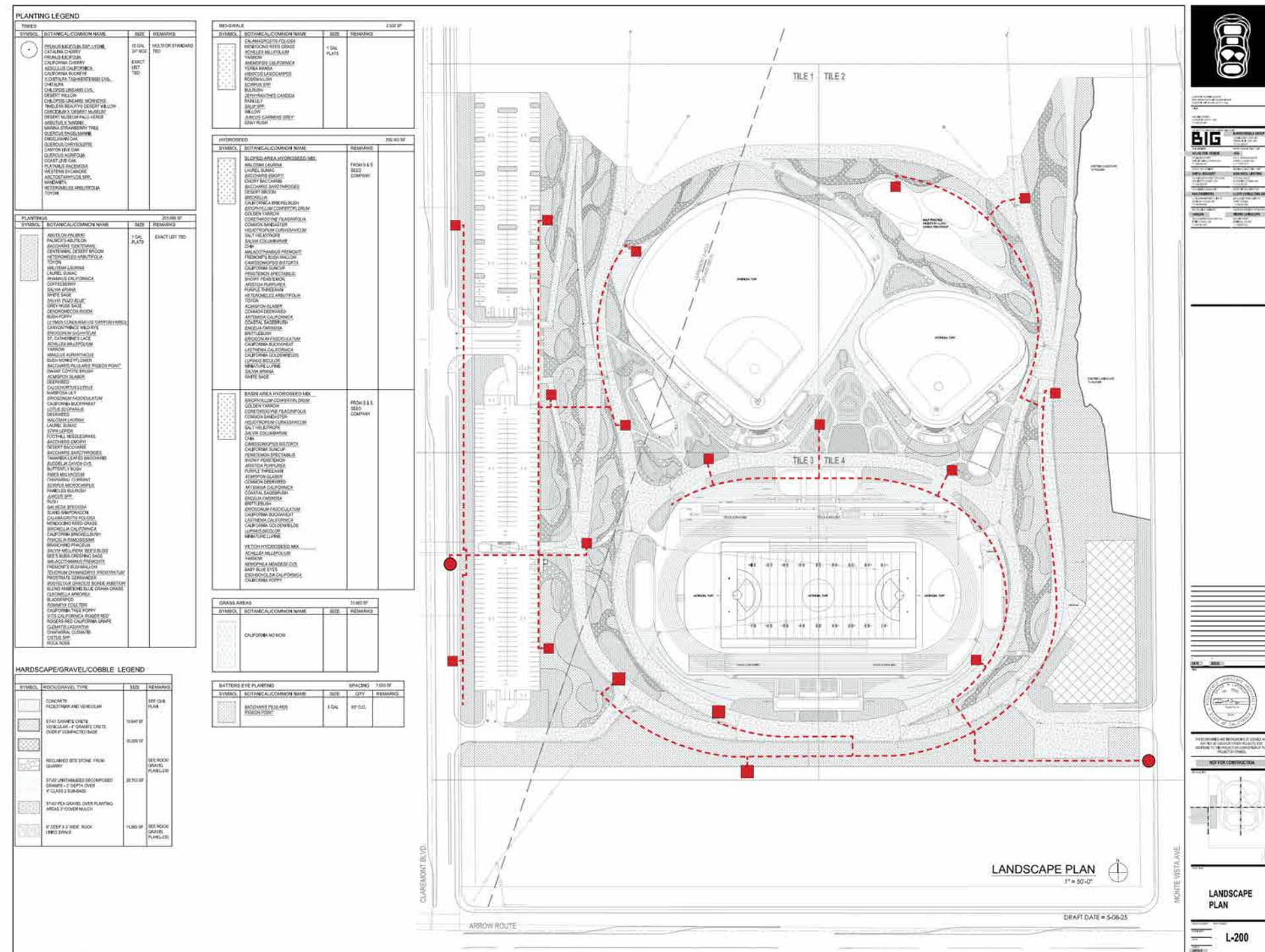


CALIFORNIA NATIVE MOW FREE™ SOD

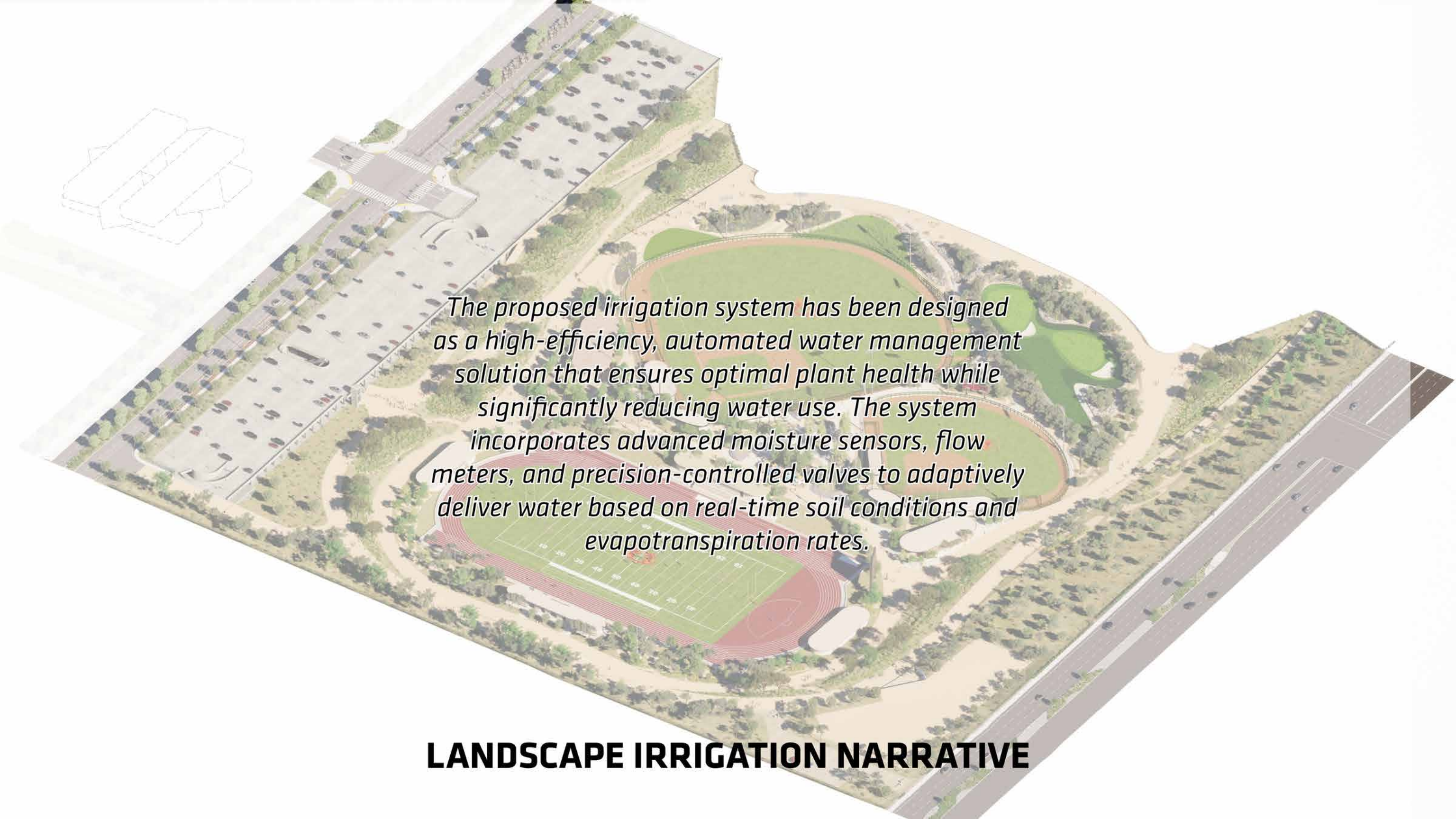


SYNTHETIC TURF

SPORTS FIELD - NATURAL AND SYNTHETIC TURF AREAS



LANDSCAPE IRRIGATION PLAN

An aerial perspective rendering of a sports and recreational facility. In the foreground, there is a large green football field with white yard lines and a red running track. To the right of the football field is a baseball field with a green infield and brown outfield. Further to the right is a golf course with several green fairways and sand traps. The entire facility is surrounded by landscaped areas with trees and shrubs. A large parking lot with many cars is visible on the left side of the image. A multi-lane road runs along the bottom right edge. In the top left corner, there is a small white line drawing of a building. The overall scene is brightly lit, suggesting a sunny day.

The proposed irrigation system has been designed as a high-efficiency, automated water management solution that ensures optimal plant health while significantly reducing water use. The system incorporates advanced moisture sensors, flow meters, and precision-controlled valves to adaptively deliver water based on real-time soil conditions and evapotranspiration rates.

LANDSCAPE IRRIGATION NARRATIVE

- The irrigation systems for the CMC Sport Bowl and surrounding medians will be a water-wise system designed to comply with California Assembly Bill 1881 (Model Water Efficient Landscape Ordinance).
- The irrigation design will incorporate smart ET controllers for efficient scheduling, watering in early AM hours, and shortening watering windows by running multiple valves concurrently.
- The system will use drip and low-volume irrigation and efficient spray heads.
- Trees may be placed on separate valves to ensure proper maintenance and support tree health.
- The irrigation design will aim to minimize over spray and runoff.
- The irrigation design will be sensitive to the varied irrigation needs of distinct groupings of plants.
- The system will be equipped with moisture sensors to adapt to varying soil moisture due to seasonal changes in precipitation and temperature.

WEATHER DATA

California Irrigation Management Information System (CIMIS)

CIMIS Monthly Report

Rendered in ENGLISH Units.
March 2024 - February 2025
Printed on Wednesday, March 5, 2025

Pomona - Los Angeles Basin - Station 78

Month Year	Total ETo (in)	Total Precip (in)	Avg Sol Rad (Ly/day)	Avg Vap Pres (mBars)	Avg Max Air Temp (°F)	Avg Min Air Temp (°F)	Avg Air Temp (°F)	Avg Max Rel Hum (%)	Avg Min Rel Hum (%)	Avg Rel Hum (%)	Avg Dew Point (°F)	Avg Wind Speed (mph)	Avg Soil Temp (°F)
Mar 2024	3.39 K	3.55 K	414 K	10.8	65.5 K	45.1	54.9	95	51	74	46.3	2.1	57.8
Apr 2024	4.48 K	0.87 K	524 K	11.4	70.6	47.2	58.2 K	92	48	69 K	47.7 K	2.2	60.6
May 2024	4.42	0.28 K	513 K	13.9 K	72.0	53.2	61.1 K	93 K	57 K	76	53.3	2.4 K	65.0 K
Jun 2024	5.93	0.00	623	16.8	82.2	58.8	69.0 K	91	50	70 K	58.5 K	2.4 K	69.8
Jul 2024	7.24 K	0.02	678 K	18.7	91.1	63.0 K	75.9 K	88	40	62 K	51.4 K	2.4	75.4
Aug 2024	6.96 K	0.87	623	16.9	93.6 K	62.8	77.0 K	81	32	54 K	58.7 K	2.2	76.3
Sep 2024	5.08 K	0.81 K	489 K	16.1 K	89.8 K	60.6 K	73.8 K	81 K	37 K	58 K	57.3 K	2.1 K	72.8 K
Oct 2024	3.83	1.04	389	13.5	85.2	55.3	68.7	81	33	56	51.6	1.9	67.2
Nov 2024	2.43 K	1.26 K	300 K	6.2	73.8	44.8	56.4	75	28	49	38.1	1.8	54.7 K
Dec 2024	1.91	0.71	245	8.7	71.8 K	43.3	55.7 K	80	36	59 K	40.1 K	1.6	54.3
Tota/Avg	45.66	9.4	480	13.5	79.6	53.4	65.3	86	41	63	51.3	2.1	65.3

Pomona - Los Angeles Basin - Station 78

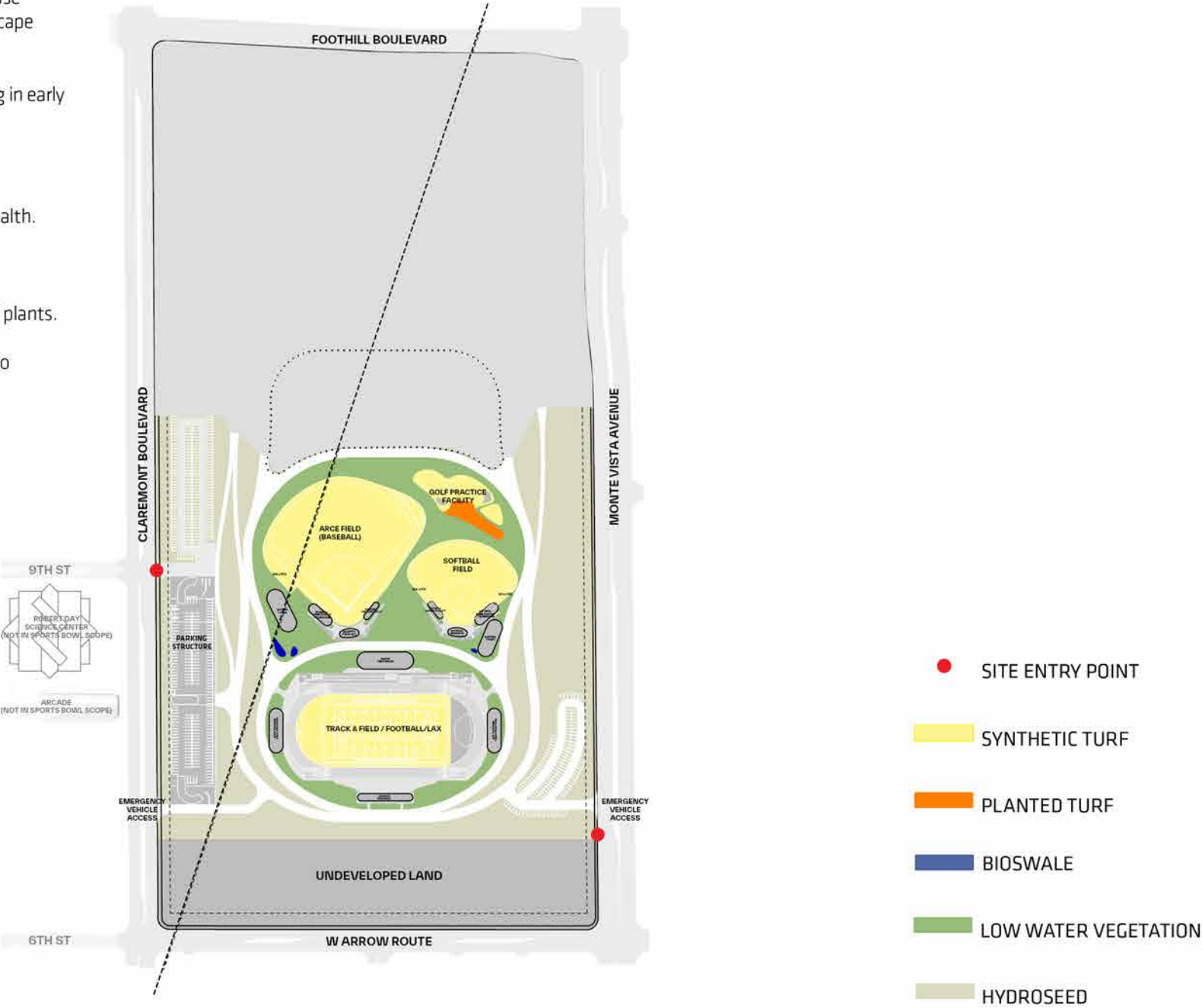
Month Year	Total ETo (in)	Total Precip (in)	Avg Sol Rad (Ly/day)	Avg Vap Pres (mBars)	Avg Max Air Temp (°F)	Avg Min Air Temp (°F)	Avg Air Temp (°F)	Avg Max Rel Hum (%)	Avg Min Rel Hum (%)	Avg Rel Hum (%)	Avg Dew Point (°F)	Avg Wind Speed (mph)	Avg Soil Temp (°F)
Jan 2025	2.28 K	1.46	284	6.4	69.5 K	39.1	53.5	72	27	47	31.5	1.8	51.7
Feb 2025	2.58 K	4.15	341 K	10.0	72.8 K	46.5 K	58.8 K	83	40	82 L	44.7 L	1.8	55.1
Tota/Avg	4.86	5.6	313	8.2	71.2	42.8	56.2	78	34	55	38.1	1.7	53.4

Flag Legend

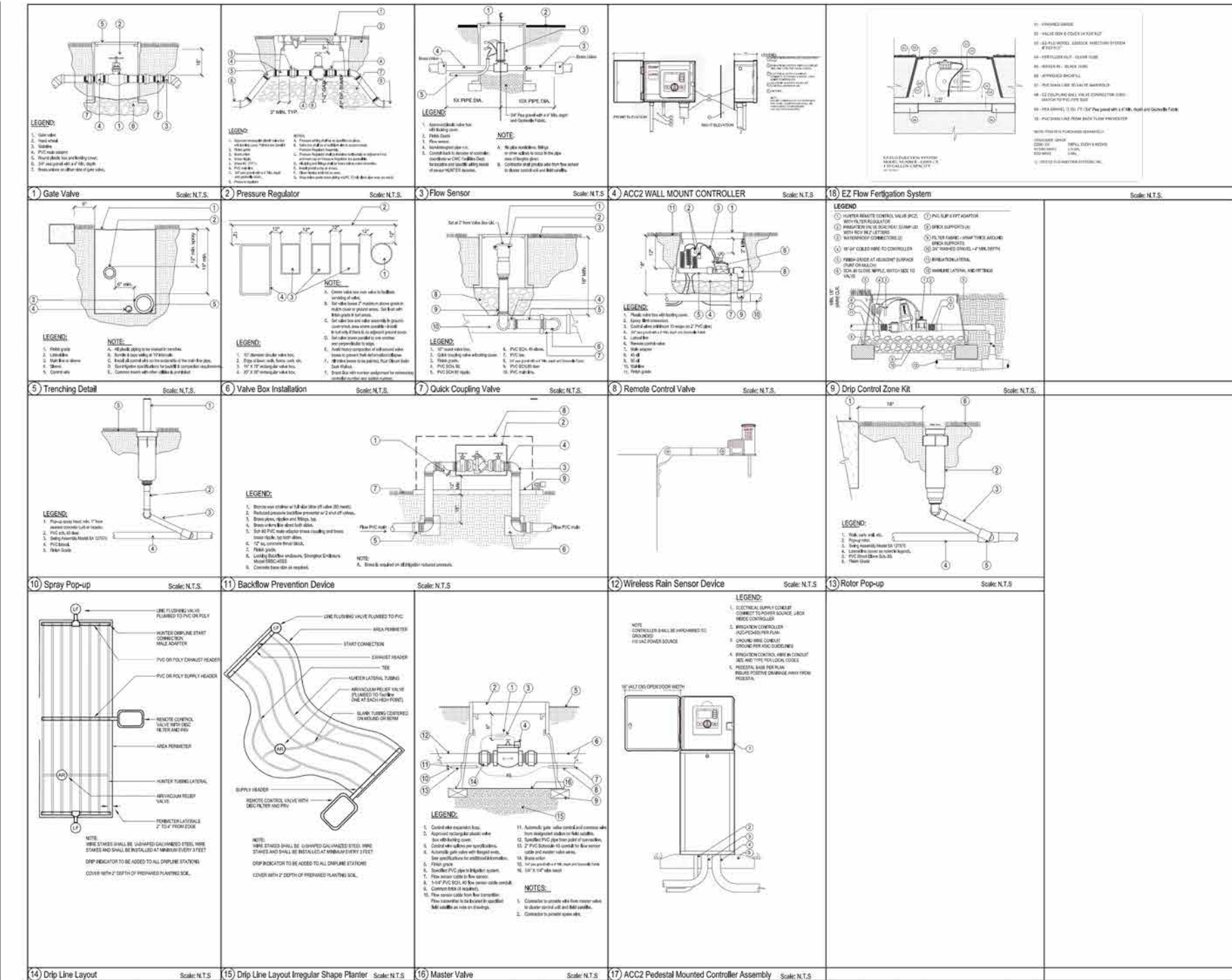
M - All Daily Values Missing	K - One or More Daily Values Flagged
J - One or More Daily Values Missing	L - Missing and Flagged Daily Values

Conversion Factors

W/sq.m = Ly/day/2.065	inches * 25.4 = mm	(F-32) * 5/9 = C
	mBars * 0.1 = kPa	--



PROJECT IRRIGATION DEMAND ZONES



BIG

100% SATISFACTION GUARANTEE

1-800-850-8500

www.bigirrigation.com

LEGEND:

1. 1/2" NPT x 1/2" NPT

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15. 1/2" NPT x 1/2" NPT

16. 1/2" NPT x 1/2" NPT

17. 1/2" NPT x 1/2" NPT

18. 1/2" NPT x 1/2" NPT

NOTES:

1. All components shall be installed in accordance with the manufacturer's instructions.

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IRRIGATION DETAILS

L-401

LANDSCAPE IRRIGATION DETAILS

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Built on Innovation

ICV

Top of the class system for high-resolution surveillance, built in and around streaming with the world's most powerful recording systems.



KEY BENEFITS

- **Real-time storage** – allows the frame grabber to drop any redundant frames.
- **Continuous recording** – allows for full frame grab utilization at the source.
- **Class 100 class 1000 compression** – low compression ratioing and reliability.
- **Unlimited I/O expansion** – one design means total file performance.
- **Multi-camera** – HDS (distributed) and local based cameras.
- **High performance** – built in HDS compression.
- **Customer focused** – services enhance the possibility of system expansion.
- **Highly trained** – services are compatible with the system.
- **Designed for** – Humber's commitment to the future.
- **Highly reliable** – system will deliver quality work product.
- **Flow control** – system will deliver the best of the system.

General Installation Options

- **Real-time backup** – system is available in the lab.
- **Recording without** – for system's powerful compression (HDS, HDS200).
- **Class 1000 class 1000** – system is available in the lab.
- **Unlimited I/O expansion** – (HDS 2000).

Performance Features

- **100% system** – system is available in the lab.
- **Real-time recording** – for system's powerful compression.
- **Class 1000 class 1000** – system is available in the lab.
- **Unlimited I/O expansion** – (HDS 2000).

General Specifications

- **Real-time** – system is available in the lab.
- **Real-time recording** – for system's powerful compression.
- **Class 1000 class 1000** – system is available in the lab.
- **Unlimited I/O expansion** – (HDS 2000).

ICV Pressure Line in PE

ICV Pressure Line in PE


Built on Innovation

ICZ-101-40-LF



Brand: LUMBER (Humber)

Product Line: ICZ-101-40-LF

Product Model: ICZ-101-40-LF

Description: ICZ-101-40-LF is a 100% system, built in and around streaming with the world's most powerful recording systems.

Operating Specifications: ICZ-101-40-LF is a 100% system, built in and around streaming with the world's most powerful recording systems.

General Specifications: ICZ-101-40-LF is a 100% system, built in and around streaming with the world's most powerful recording systems.

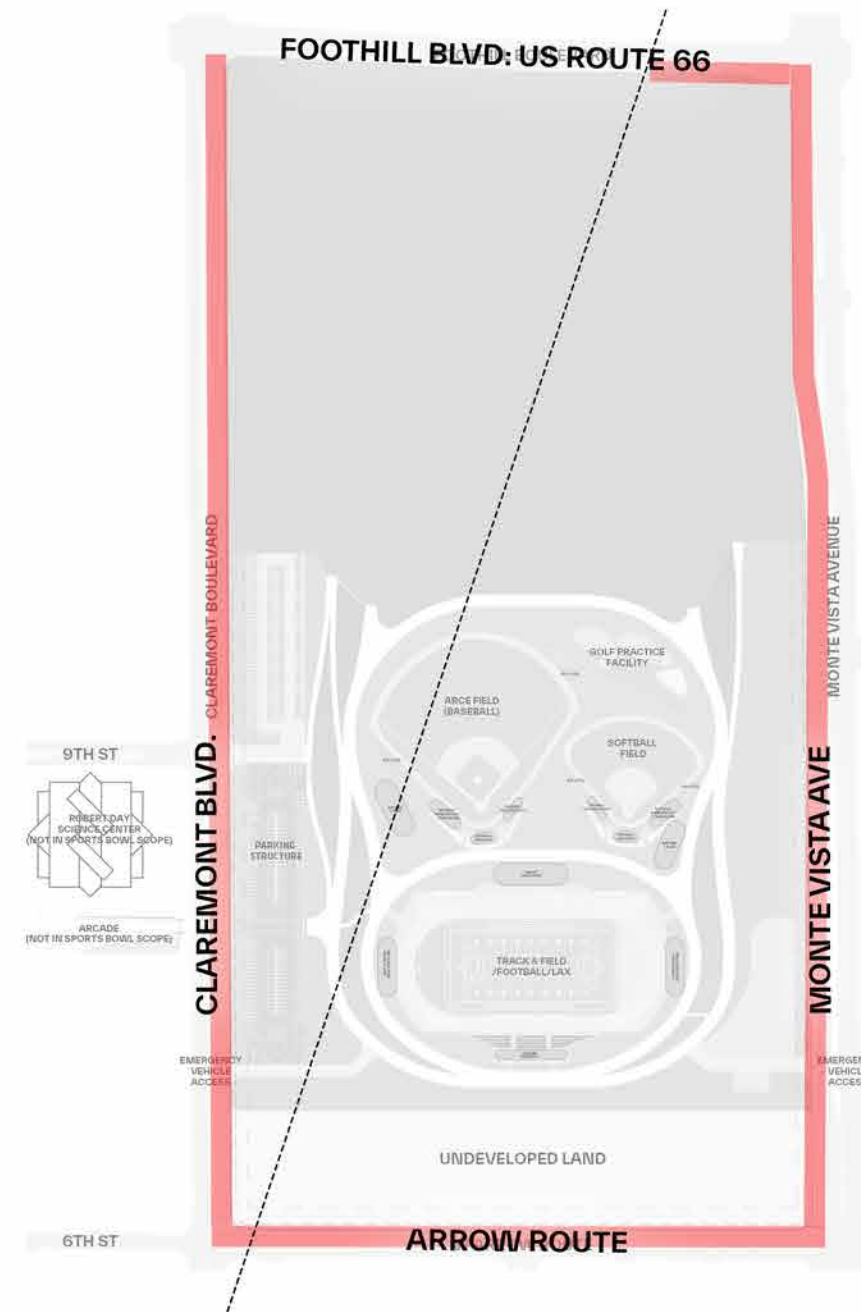
Performance Features: ICZ-101-40-LF is a 100% system, built in and around streaming with the world's most powerful recording systems.

General Installation Options: ICZ-101-40-LF is a 100% system, built in and around streaming with the world's most powerful recording systems.

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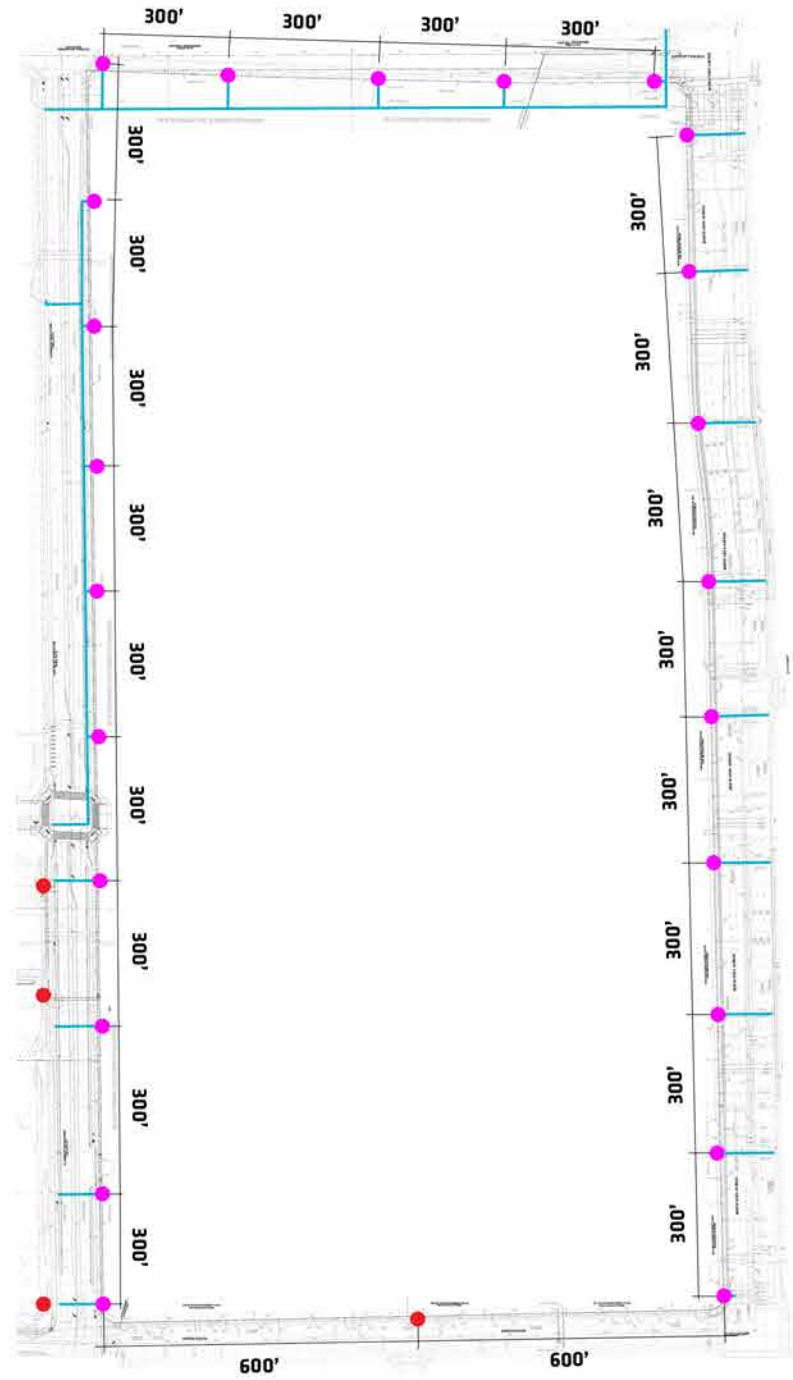
LANDSCAPE IRRIGATION DETAILS

ROBERTS CAMPUS SPORTS BOWL
PERIMETER IMPROVEMENTS



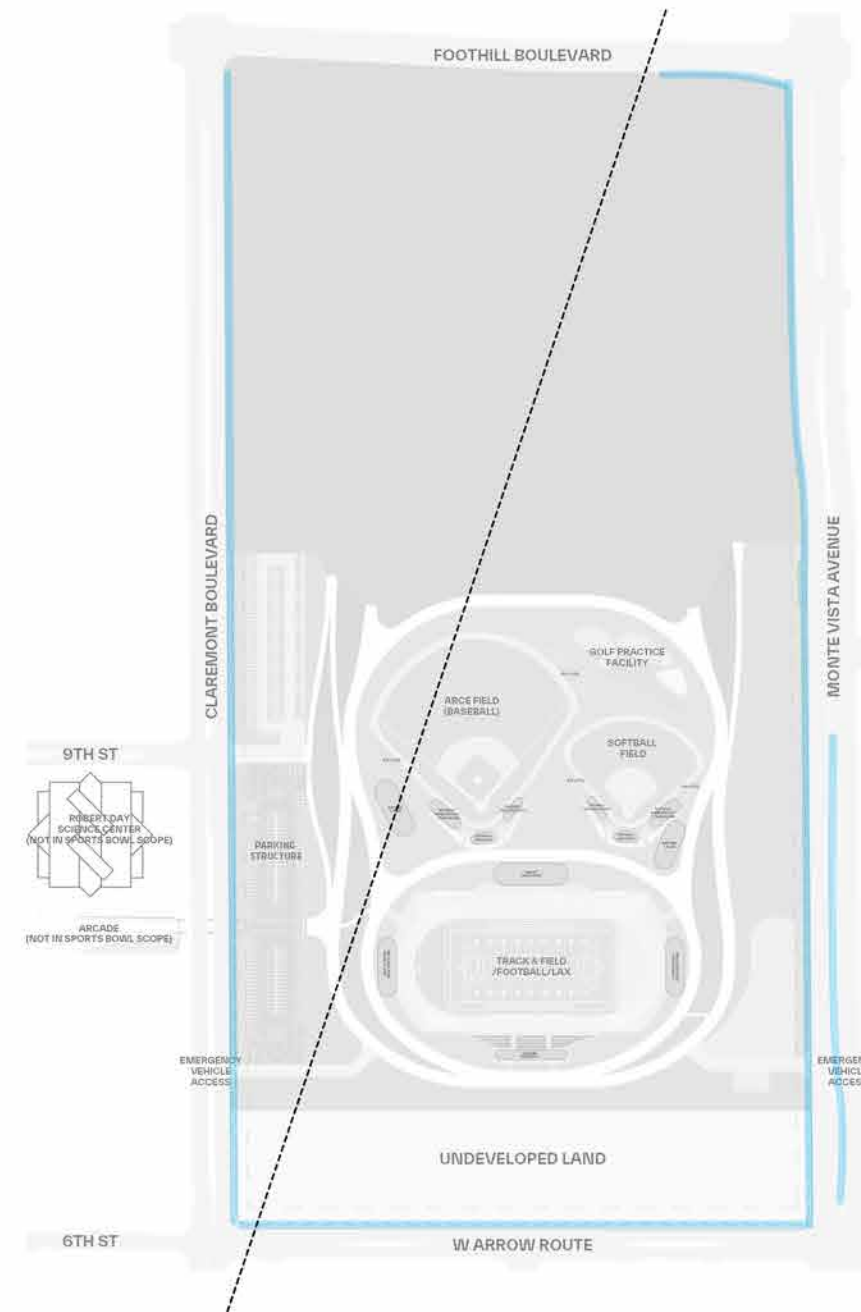
SPORTS BOWL OFFSITE PERIMETER IMPROVEMENT SCOPE

OFFSITE PERIMETER IMPROVEMENT SCOPE



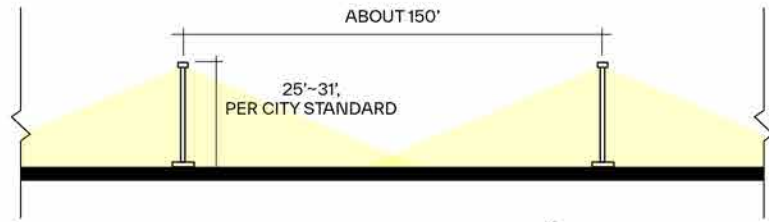
- NEW FIRE HYDRANTS
- EXISTING FIRE HYDRANTS
- WATER MAIN

OFF-SITE FIRE HYDRANT PLAN

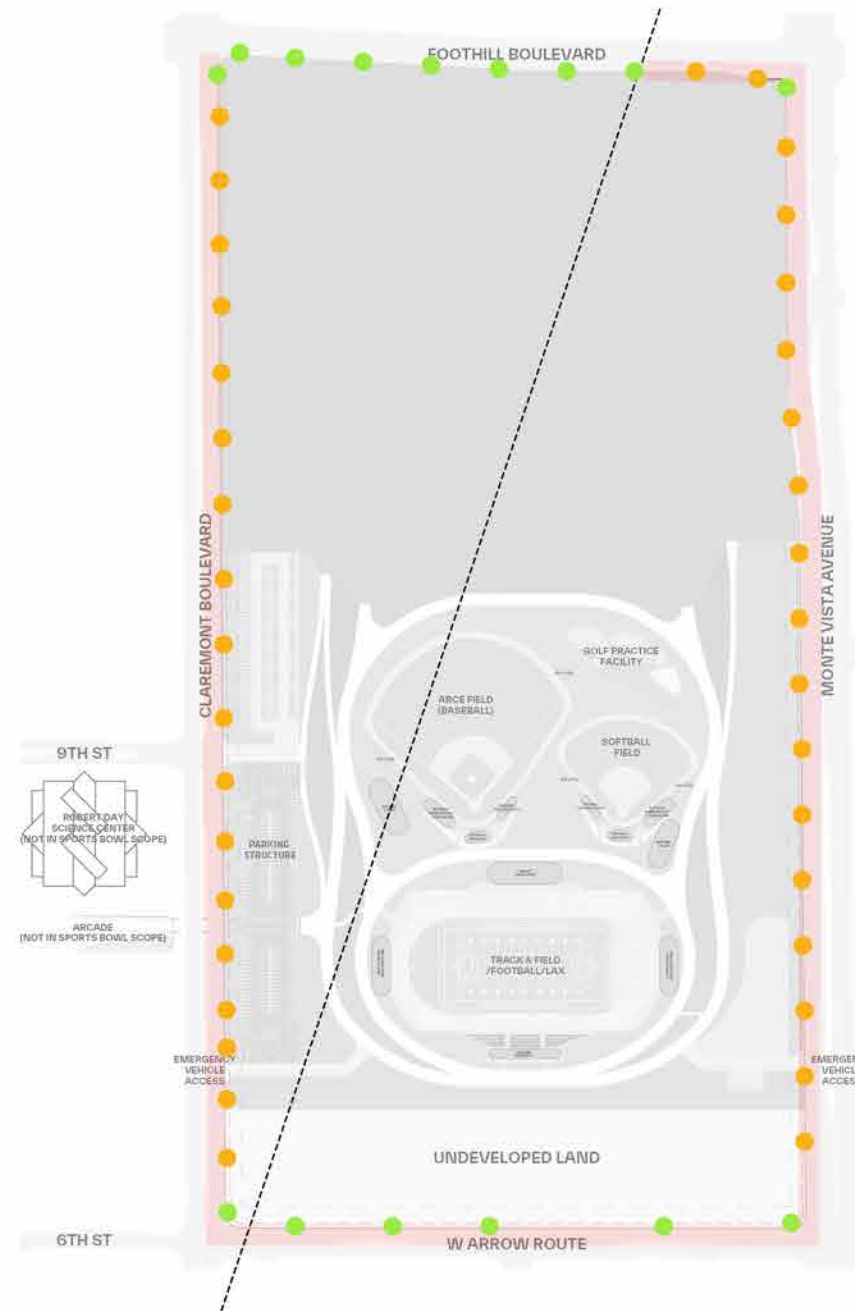


AREA TO BE IRRIGATED PER DEVELOPMENT AGREEMENT

OFFSITE IRRIGATION DEMAND ZONES



The new streetlights are spaced approximately 150 feet apart, with the height conforming to city standards.

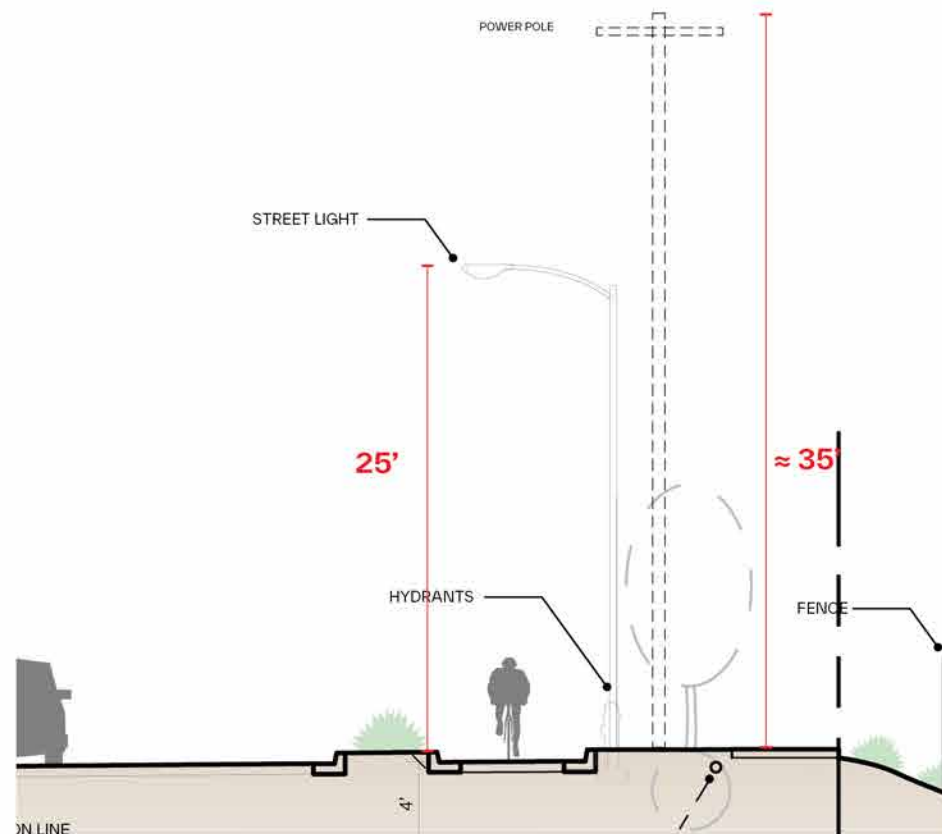


- NEW STREET LIGHT
- EXISTING STREET LIGHT
- OFFSITE PERIMETER IMPROVEMENT SCOPE

STREET LIGHTS

Power lines to be undergrounded from Arrow Route to first pole North of 9th Street.

Pedestrian level lighting over the sidewalk to be included



TYPICAL STREET LIGHT SECTION
CLAREMONT BLVD

EXHIBIT L-1
Ameron Type 1-C1 Streetlight Pole and Mast Arm

Ameron Catalog Number	Pole Height "A"	"C" (PER ARM LENGTH)			Base Plate (SQ)
		4'-0" (1.22m)	6'-0" (1.83m)	8'-0" (2.44m)	
ICI-23	23'-3"	25'-0"	25'-8"	26'-6"	12"
ICI-28	28'-3"	30'-0"	30'-8"	31'-6"	12"

Ameron Catalog Number	Anchor Bolt	Bolt Circle	Ultimate G.I. Moment (Ft. LBS.)	Weight (LBS.)
ICI-23	1" x 36" x 4"	12 - W"	22,000	940
ICI-28	1" x 36" x 4"	12 - W"	27,400	1,240

NOTES:
CONCRETE TO BE 6,000 PSI COMPRESSION MINIMUM IN 28 DAYS.
MANUFACTURED TO ASTM C 1089-88.
BASEPLATE ASTM A-36 FULLY PRESTRESSED WITH (8) 5/16" DIA. (8) A-416 WIRES.
DIMS IN BRACKETS ARE MILLIMETERS UNLESS NOTED OTHERWISE.

Ameron

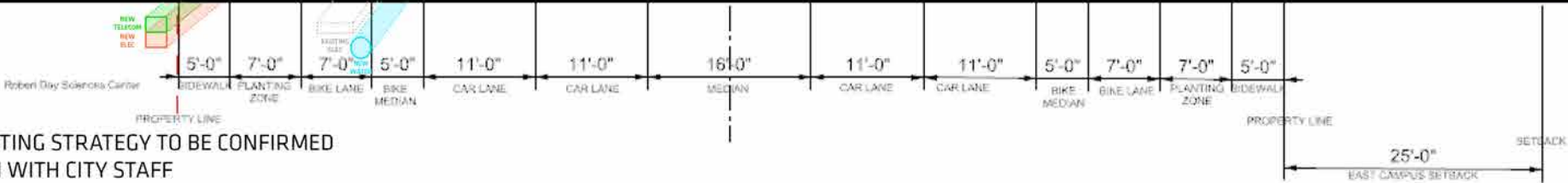
POLE PRODUCTS
& SYSTEMS

POLES W/CF ALUM ARMS

STREET LIGHT STANDARD
CITY OF CLAREMONT

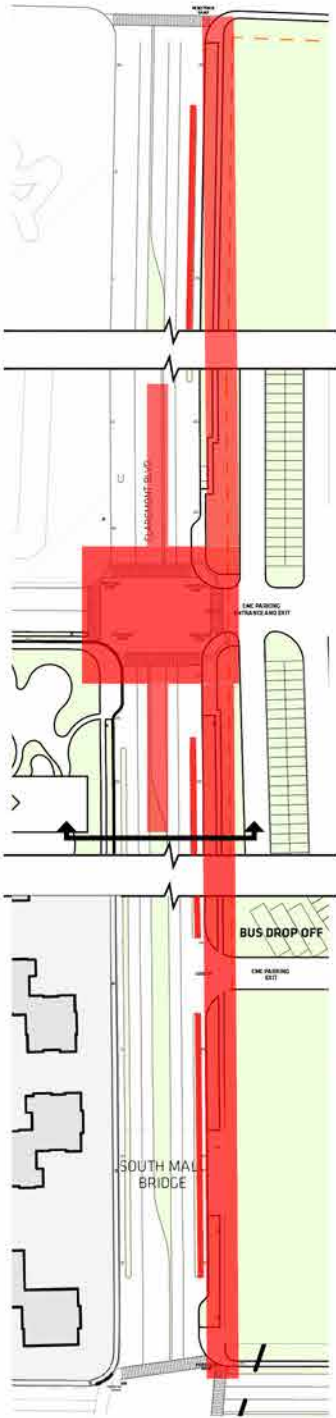
CLAREMONT STREET LIGHTING

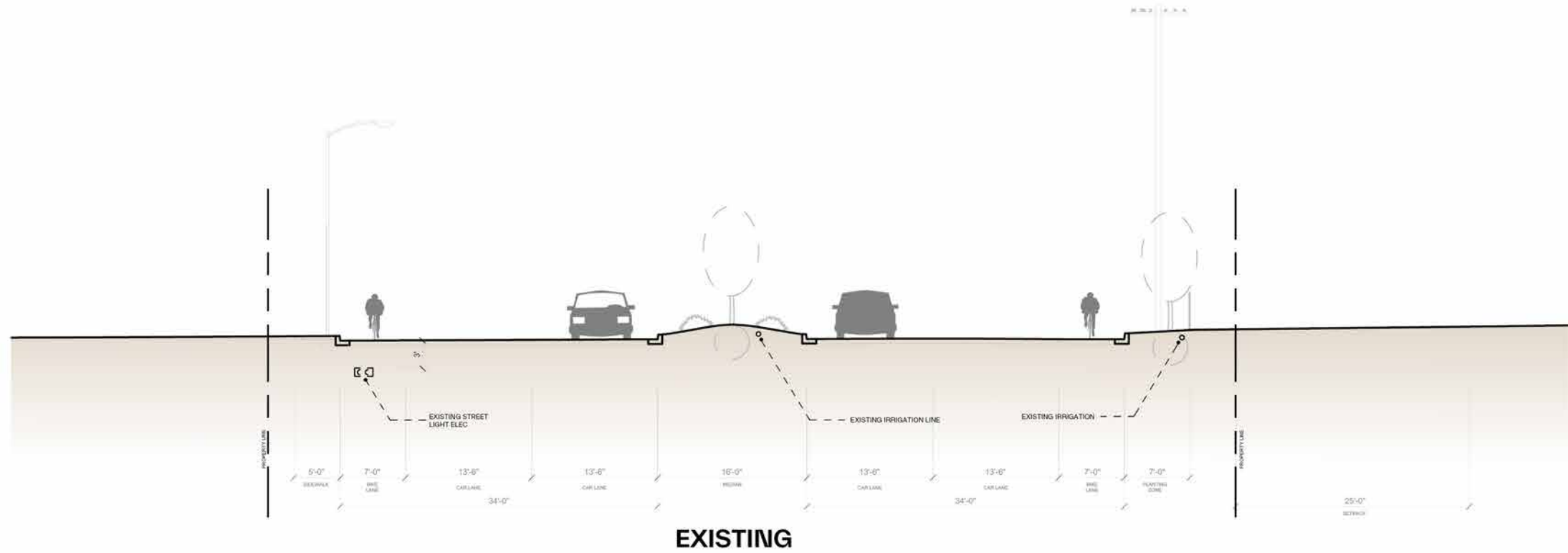
West side of Claremont Blvd Improvement
part of Robert Day Sciences Center



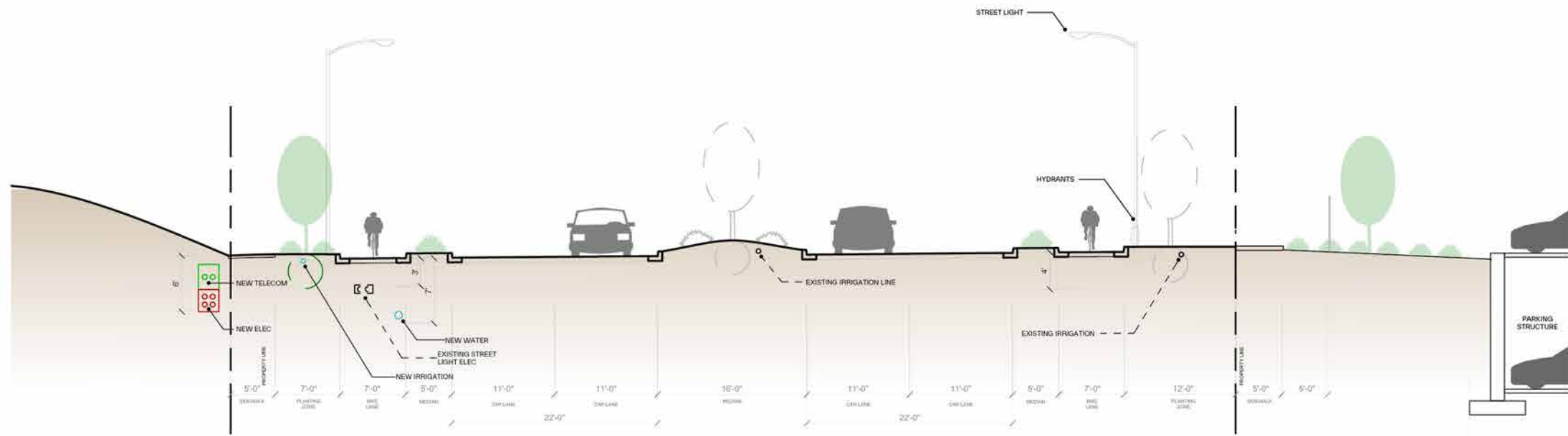
NOTE: OVERALL PLANTING STRATEGY TO BE CONFIRMED
AFTER CONSULTATION WITH CITY STAFF

CLAREMONT BLVD IMPROVEMENT PREVIEW





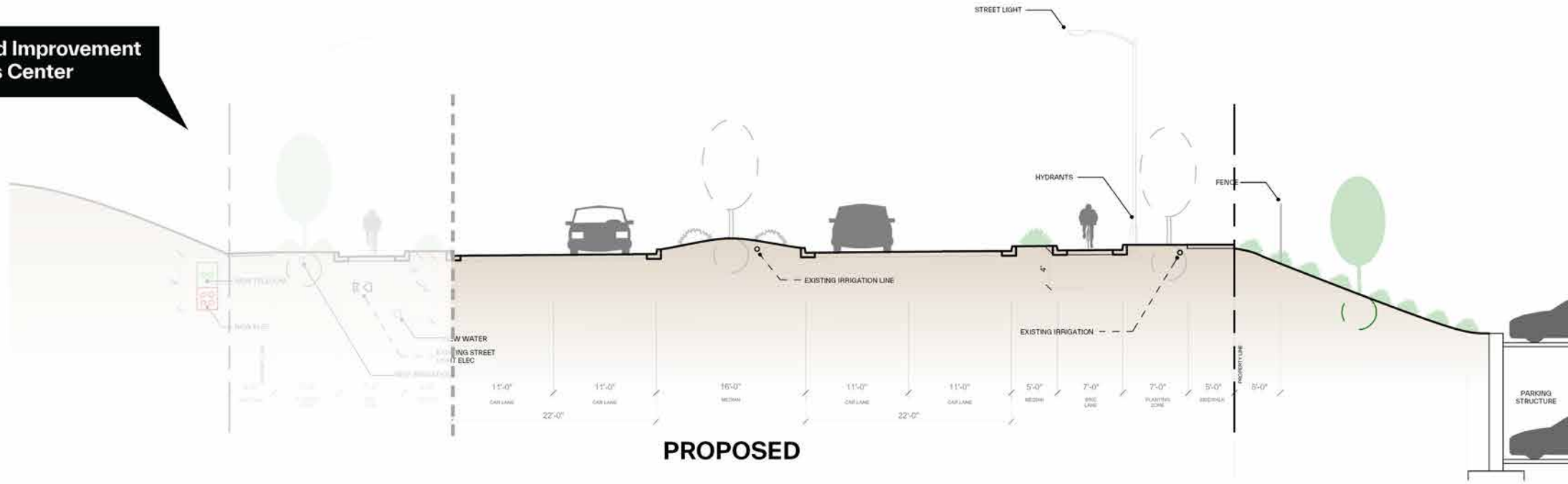
CLAREMONT BLVD IMPROVEMENT



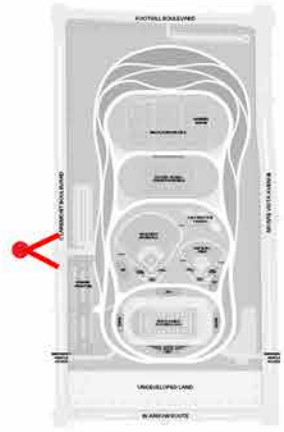
PREVIOUSLY APPROVED

CLAREMONT BLVD IMPROVEMENT

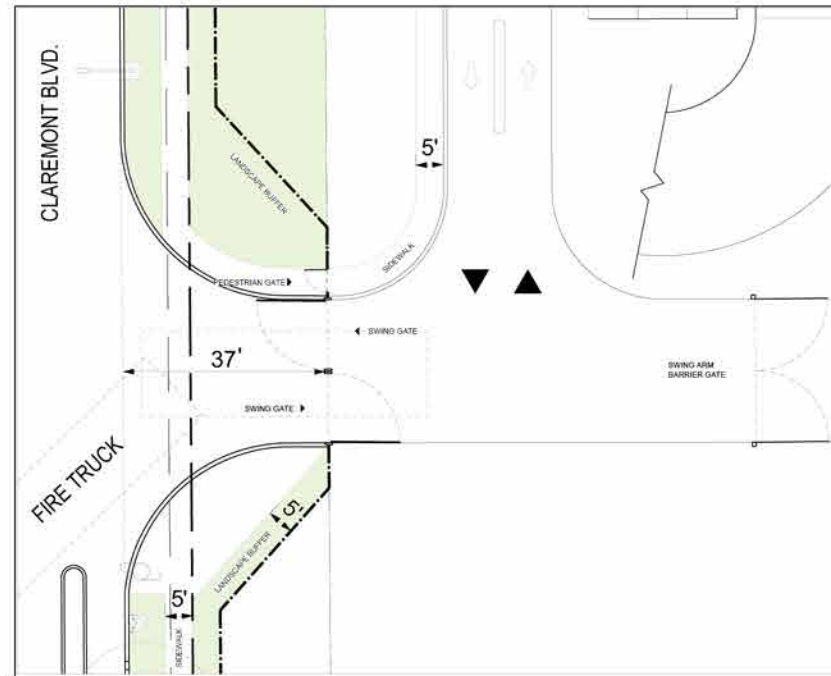
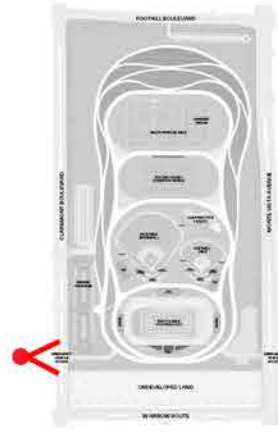
West side of Claremont Blvd Improvement
part of Robert Day Sciences Center



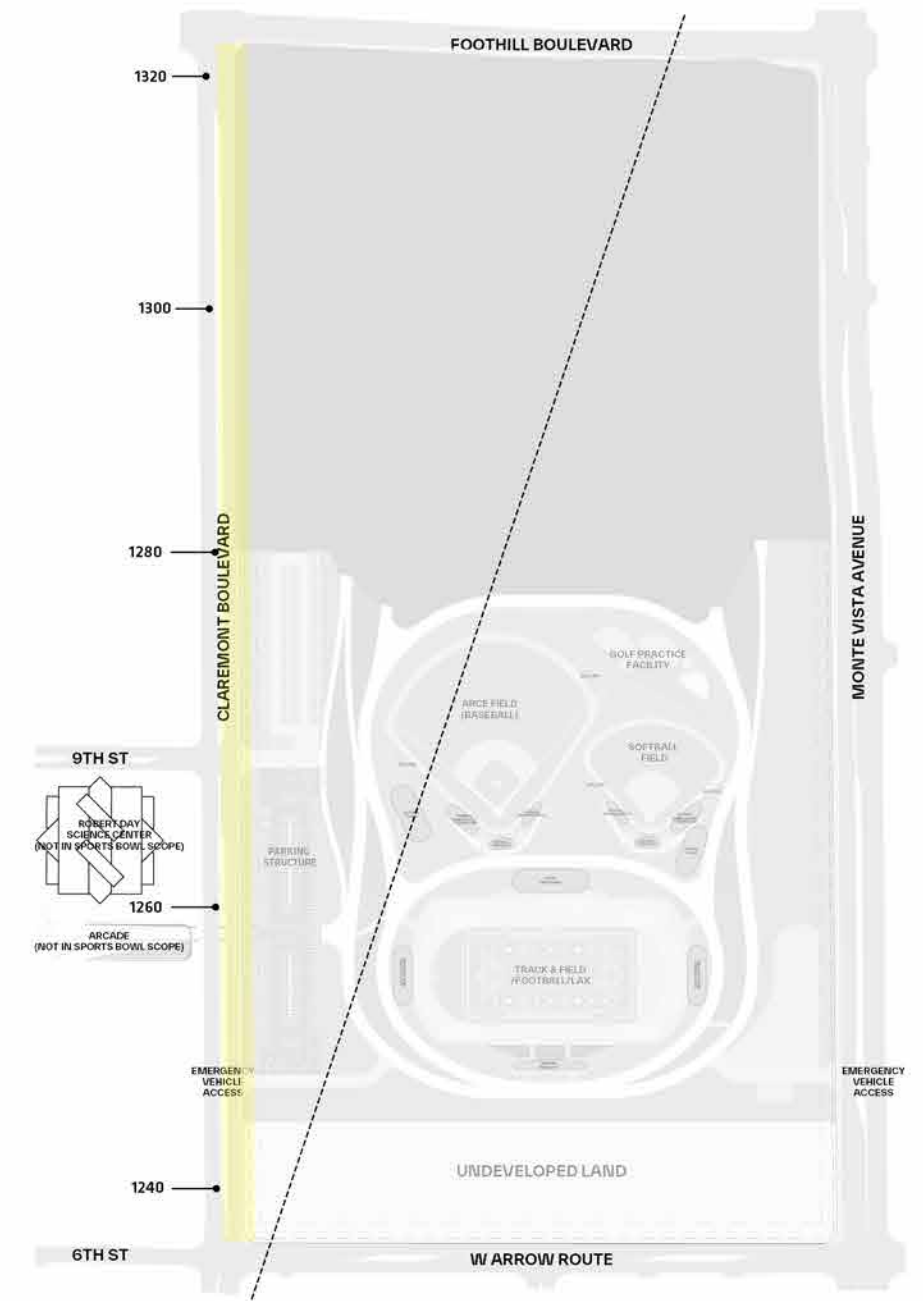
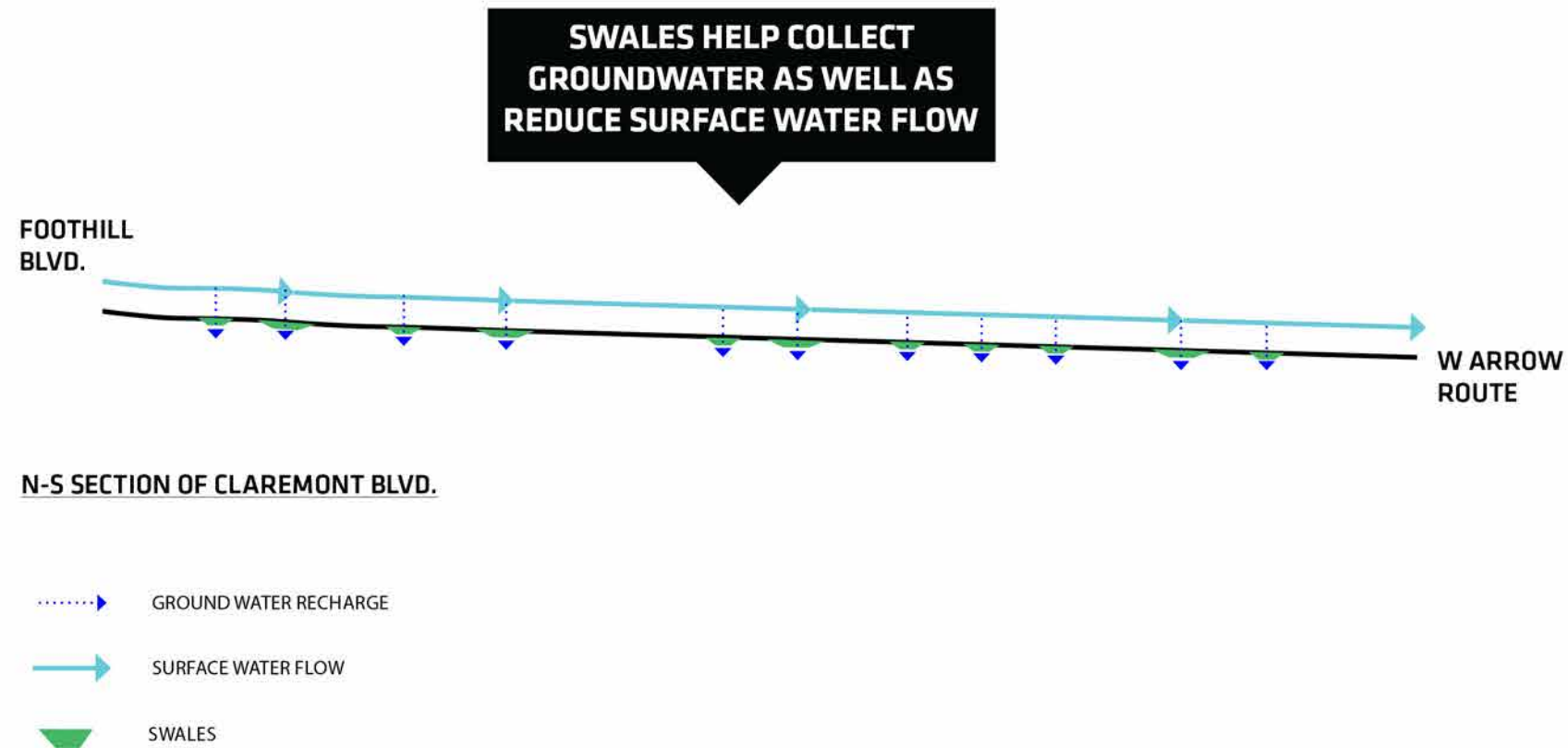
CLAREMONT BLVD IMPROVEMENT



9TH ST & EAST CLAREMONT BLVD INTERSECTION GATES



EAST CLAREMONT BLVD SOUTHERN SECTION GATES



SITE PLAN WITH ELEVATION POINTS

LOW IMPACT DEVELOPMENT INFRASTRUCTURE



**PROTECTED
BIKE LANE WITH
PLANTED MEDIAN**



**MIXED SEVERAL
TYPES OF PLANT
SPECIES.**



**INTEGRATED
LANDSCAPE LAYERS**



**CURB CUTS FEED
INTO BIOSWALE**



**SPARSE PLANTING
HIGHLIGHTS BIOSWALE**



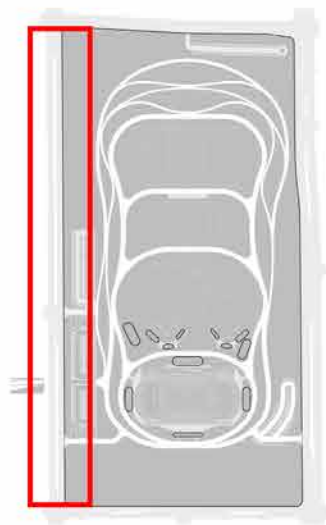
**LARGE BOULDERS,
GRAVEL, AND GRASS MIX**

FOOTHILL BOULEVARD STREETSCAPE
CLAREMONT, CA

WHITTIER GREENWAY TRAIL
WHITTIER, CA

UCSD KEELING APARTMENTS
SAN DIEGO, CA

PRECEDENT IMAGES



BOUTELOUA
'BLONDE AMBITION' PP #22,048
BLONDE AMBITION BLUE GRAMA GRASS



SALVIA 'EGGBEN005' PP #24,151
HEATWAVE BLAZE SAGE



SCUTELLARIA CVS.
SKULLCAP



BACCHARIS PILULARIS
'PIGEON POINT'
PIGEON POINT COYOTE BUSH



LANTANA MONTEVIDENSIS
TRAILING LANTANA



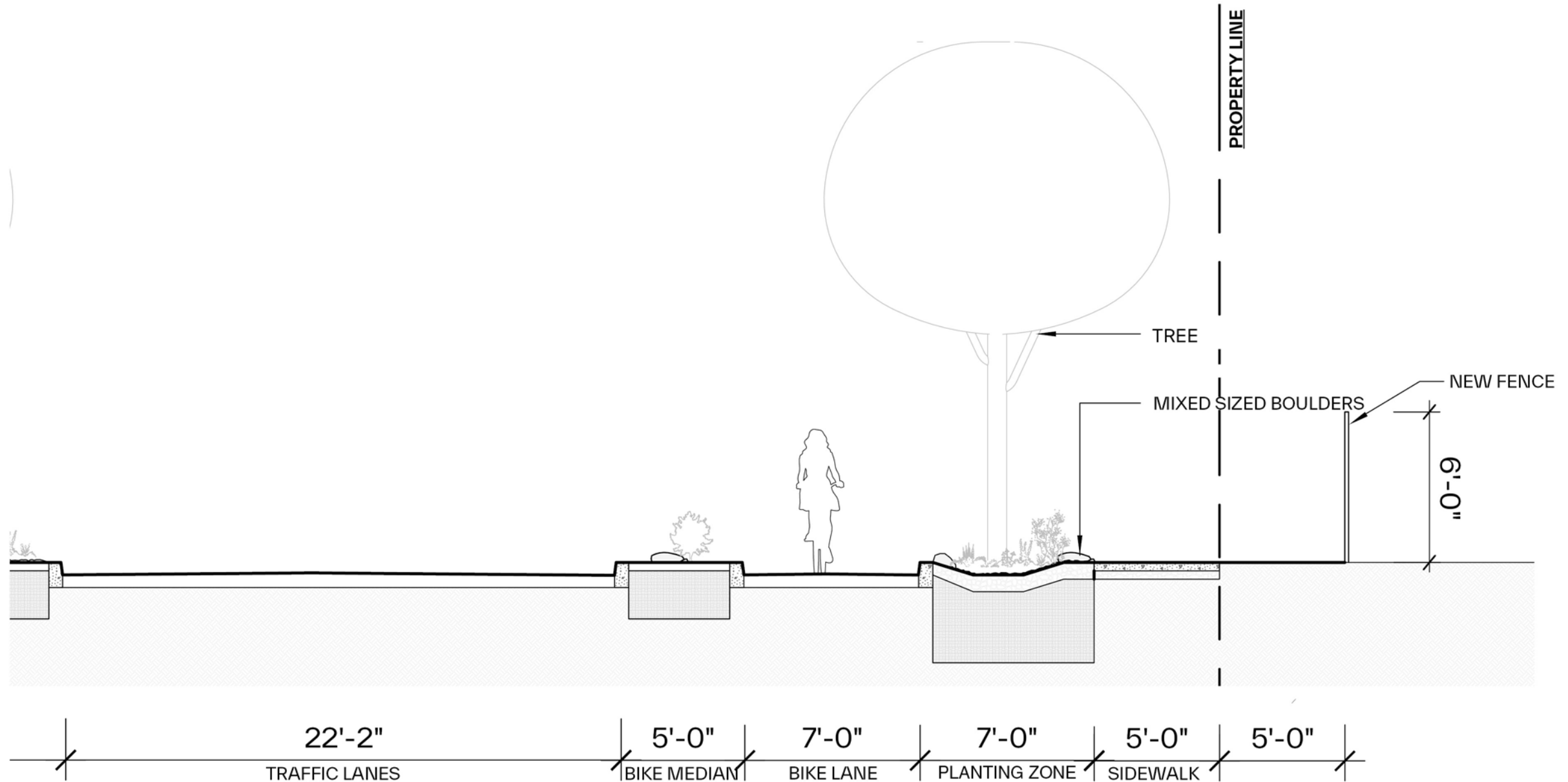
ACHILLEA X 'MOONSHINE'
MOONSHINE YARROW

NOTE: OVERALL PLANTING STRATEGY TO BE CONFIRMED
AFTER CONSULTATION WITH CITY STAFF

CLAREMONT BLVD. SWALE PLANTING PALETTE

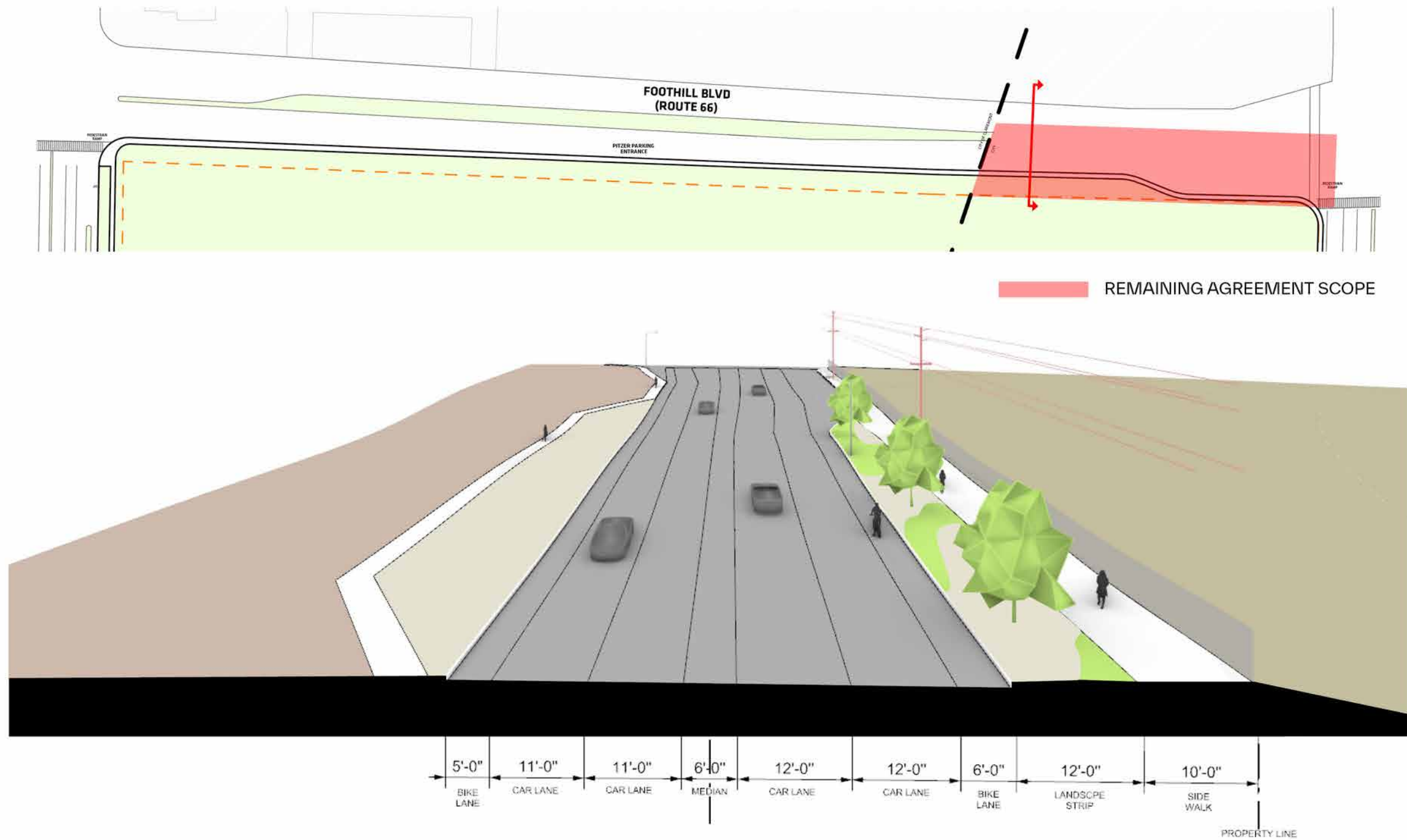


CLAREMONT BLVD IMPROVEMENT

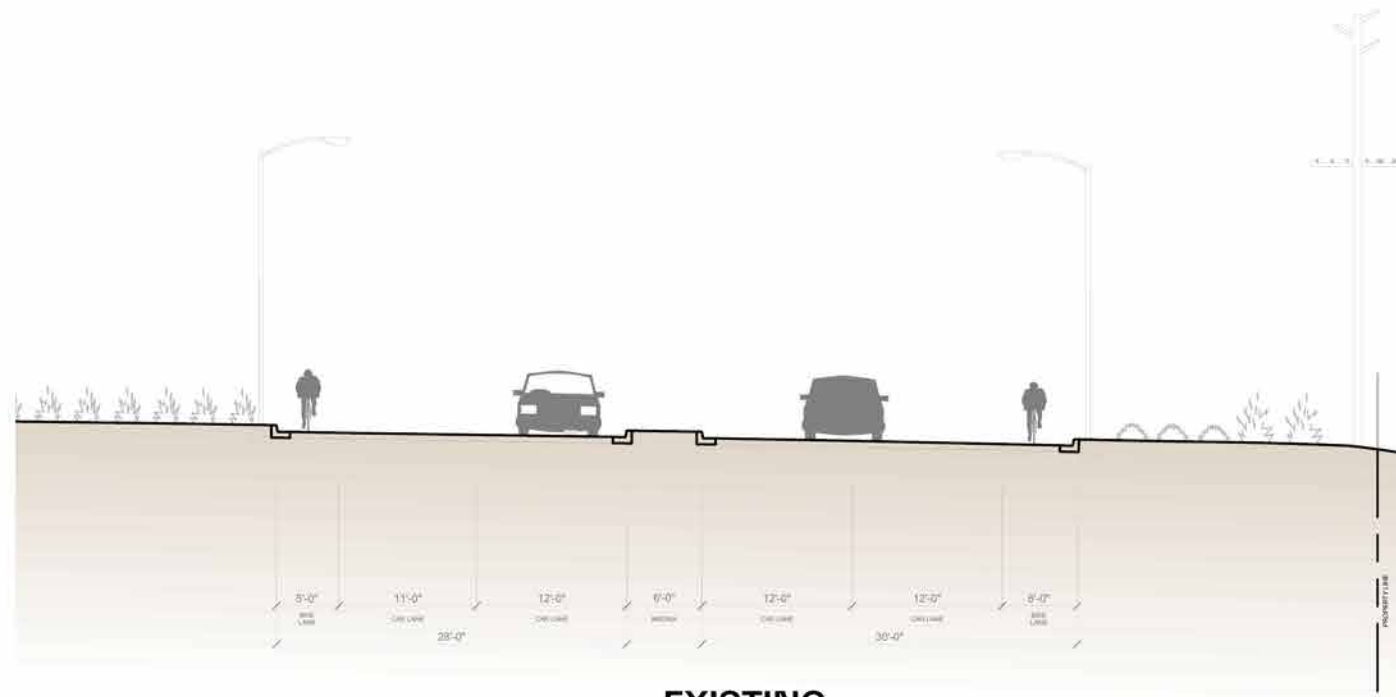


EAST SIDE OF CLAREMONT BLVD

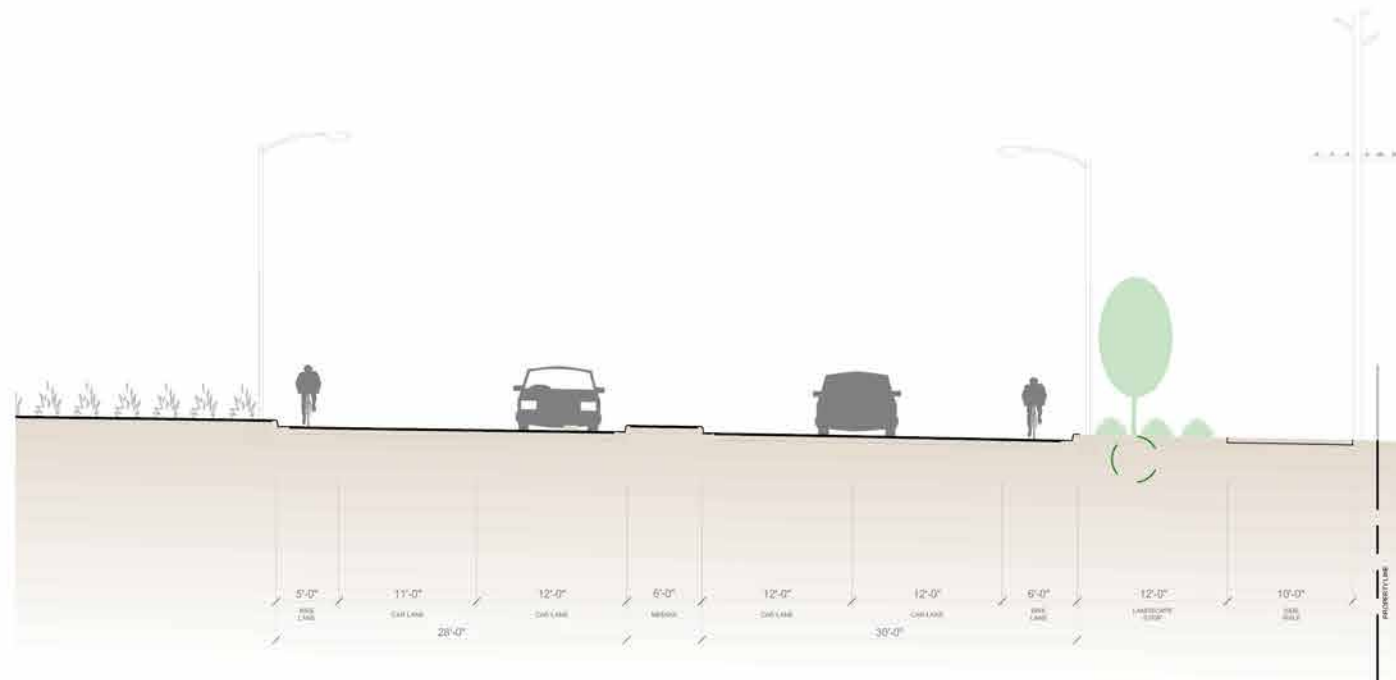
SWALE STREETSCAPE



FOOTHILL BLVD IMPROVEMENT PREVIEW



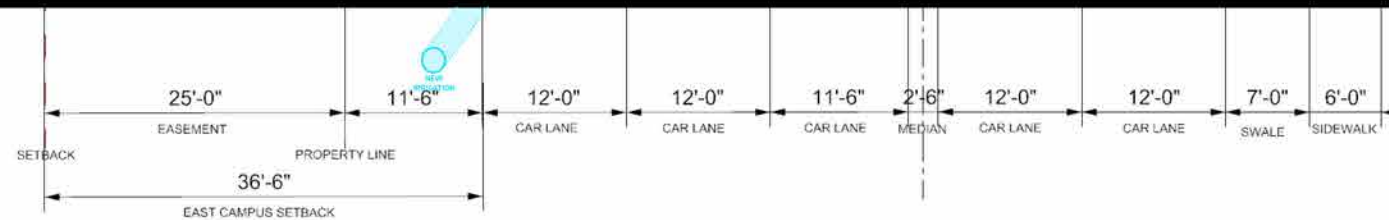
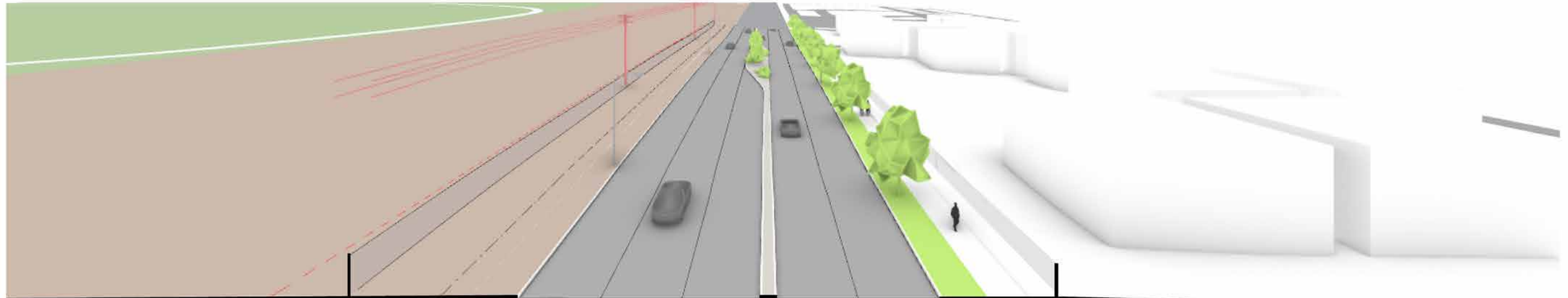
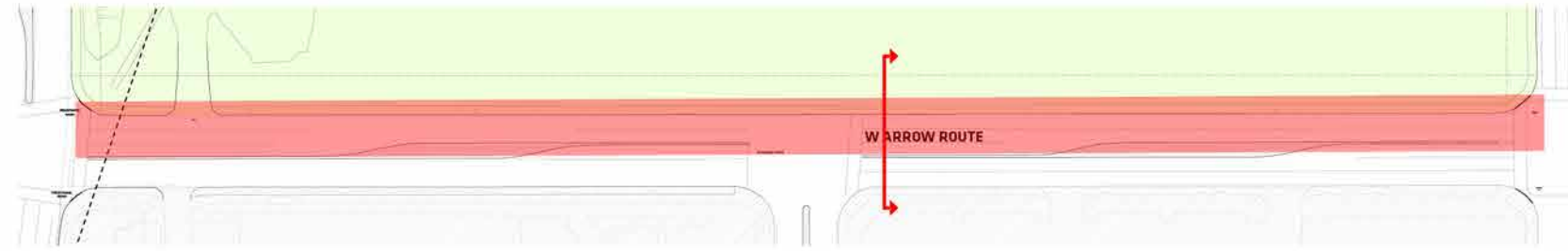
EXISTING



PROPOSED

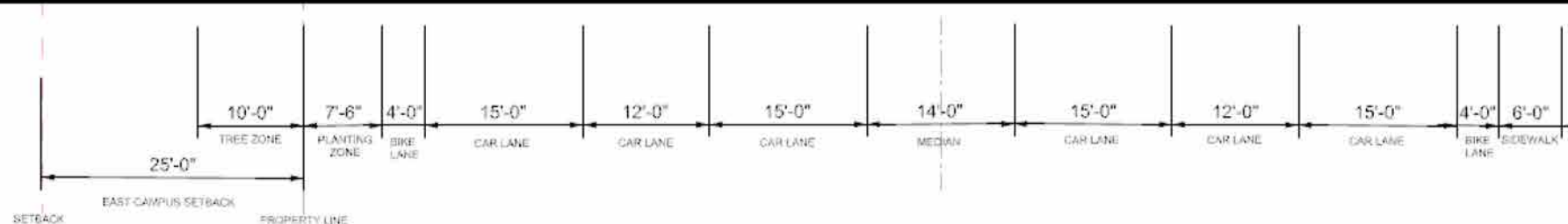
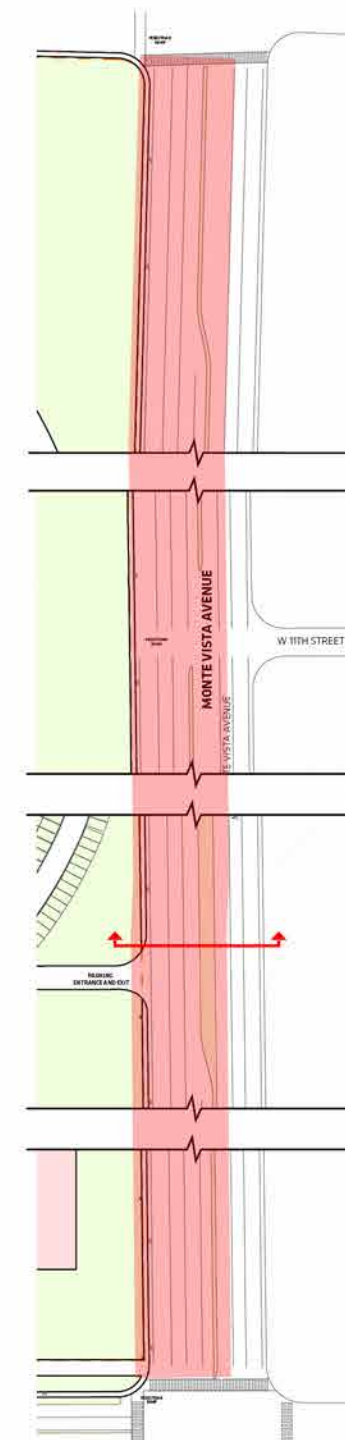
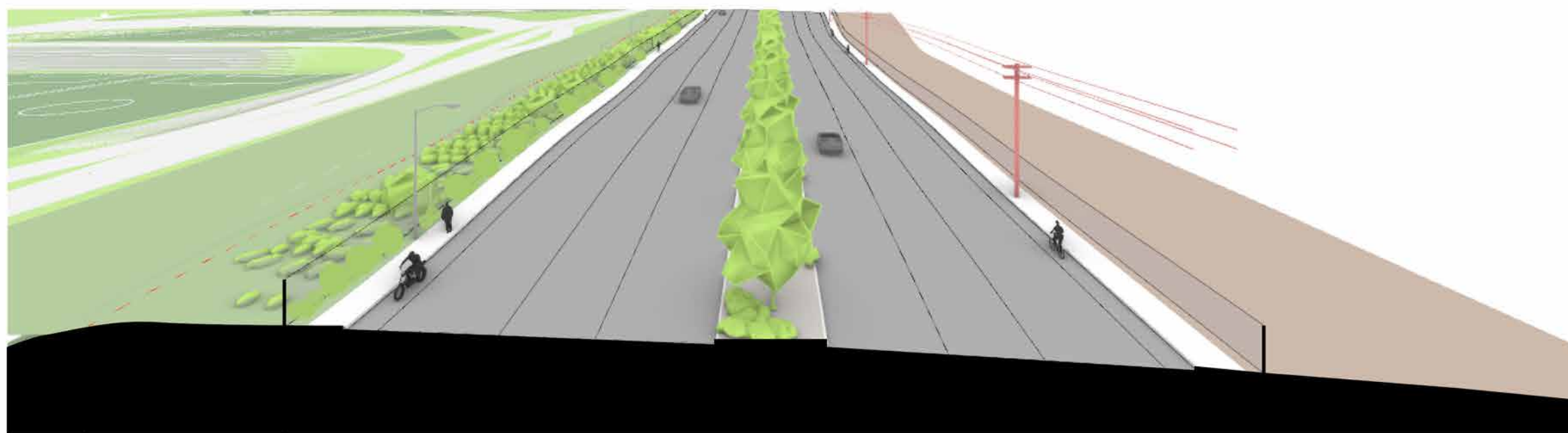
FOOTHILL BLVD IMPROVEMENT



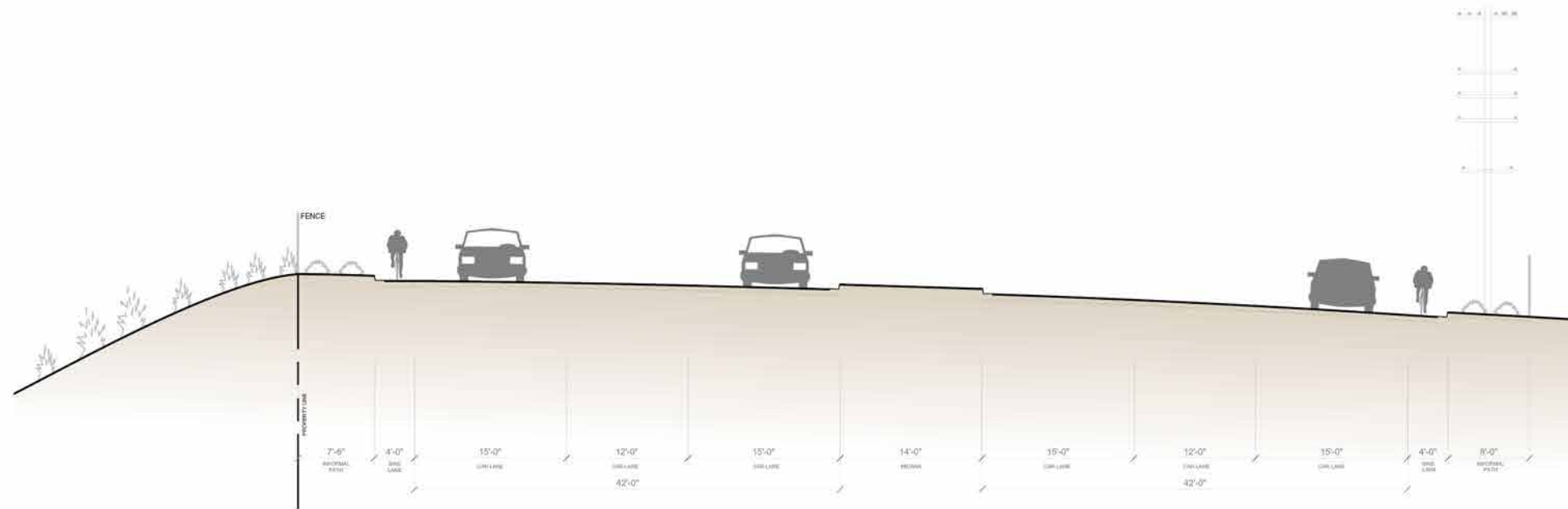


INTERIM CONDITION

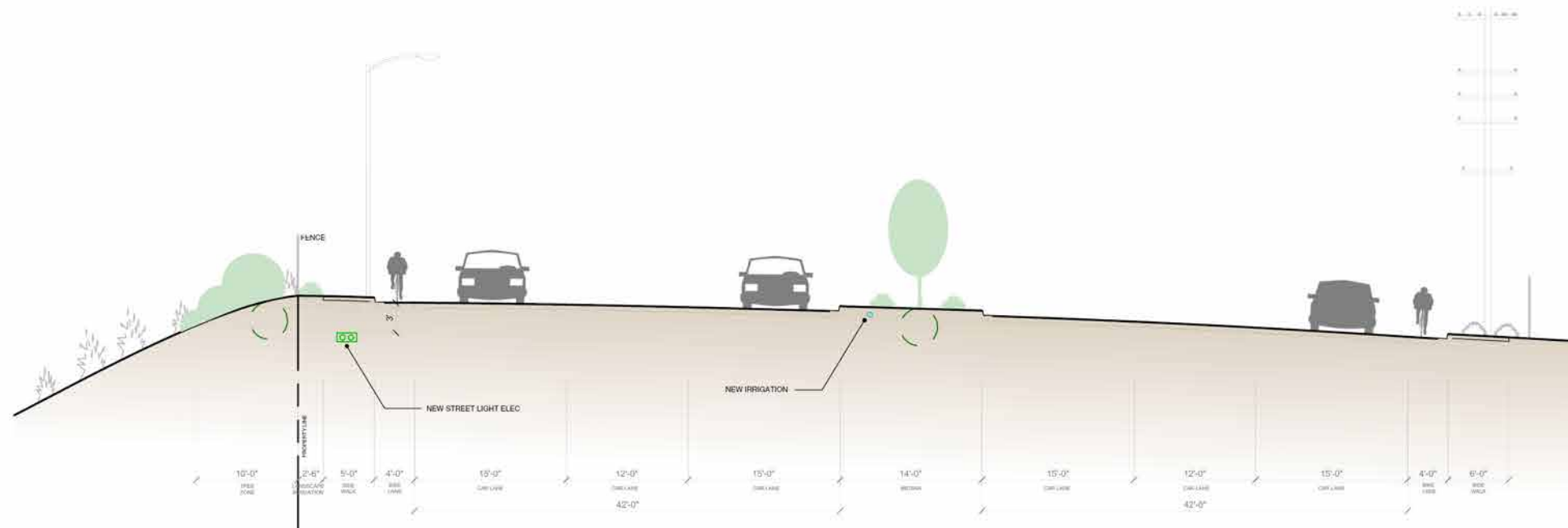
W. ARROW ROUTE IMPROVEMENT PREVIEW



MONTE VISTA BLVD IMPROVEMENT PREVIEW



EXISTING



PROPOSED

MONTE VISTA BLVD IMPROVEMENT



MONTE VISTA BLVD IMPROVEMENT



SPORTS BOWL

