

ORTEGA PARK PRELIMINARY DESIGN

VICINITY MAP



PROJECT INFORMATION
Park Name: Ortega Park
Owner: City of Santa Barbara, Parks and Recreation Department
Owner,s Representative: Jill Zachary, Parks and Recreation Director
Project Address: 604 East Ortega Street Santa Barbara, CA 93103
Accessors Parcel Number: 031-172-002
Zone: P-R (Parks and Recreation)
General Plan: Parks and Open Space
Occupancy Type
Flood Zone 2019: AH

PROJECT DESCRIPTION

The Parks and Recreation Department is leading an effort to renovate Ortega Park. Following an extensive community engagement process, a master plan was developed and approved by City Council in January 2019. The Ortega Park renovation plan proposes a new community swimming pool, skate park, restrooms, playground, picnic area, outdoor game area, and formal ball fields. Public art will remain a part of the project, as documentation of all existing murals will occur prior to any on-site grading or demolition. Five (5) murals are proposed for relocation on-site, three (3) murals will be re-created, and four (4) will be re-envisioned. Additional blank space for new murals is proposed. All new murals would be consistent with a Mural Implementation Plan to ensure thematic consistency. New street parking is also proposed that is aligned perpendicular to the curb on Salsipuedes St. and angled to the Ortega St. curb. The project represents a complete renovation and update of Ortega Park that is envisioned to make significant facility upgrades, expand recreational activities for all ages, and create a cohesive landscape plan for one of Santa Barbara's largest urban parks.

There are currently 40 trees proposed for removal and 108 trees proposed for planting. There are 18 trees to remain on the project site. See Existing Condition and Demolition Plan on sheet D-1 and sheet L-9 for location, quantity, size, and species of trees proposed.

PROJECT STATISTICS

PARCEL SIZE:	5.46 ACRES (237,970 SF)	
TOTAL DEVELOPMENT AREA:	5.67 ACRES (247,047 SF)	
PROPOSED IMPERVIOUS AREA:	2.0 ACRES (87,034 SF)	
PROPOSED PERVIOUS AREA:	3.67 ACRES (160,013 SF)	
ON SITE (PARK INTERIOR)	4.71 ACRES (205,016 SF)	
EXISTING IMPERVIOUS AREA:	32,570 SF	
EXISTING PERVIOUS AREA:	172,446 SF	
PROPOSED IMPERVIOUS AREA:	60,114 SF	
PROPOSED PERVIOUS AREA:	144,902 SF	
PROPOSED LANDSCAPE AREA:	43,437 SF	
PROPOSED SYNTHETIC TURF:	93,452 SF	
RIGHT-OF-WAY (OFF-SITE):	0.96 ACRES (42,031 SF)	
EXISTING IMPERVIOUS AREA:	22,671 SF	
EXISTING PERVIOUS AREA:	19,360 SF	
PROPOSED IMPERVIOUS AREA:	26,920 SF	
PROPOSED PERVIOUS AREA:	15,111 SF	
PROPOSED LANDSCAPE AREA:	4,109 SF	

BUILDING SQUARE FOOTAGE	AREA (S.F.)	
	GROSS	NET
EXISTING		
WELCOME HOUSE	1,604 SF	1,478 SF
RESTROOM BUILDING	577 SF	529 SF
POOL EQUIPMENT BUILDING	557 SF	510 SF
DEMOLISHED		
RESTROOM BUILDING	577 SF	529 SF
POOL EQUIPMENT BUILDING	557 SF	510 SF
PROPOSED		
RESTROOM BUILDING	2019 SF	1825 SF
POOL EQUIPMENT BUILDING	1167 SF	1082 SF
TOTAL AT PROJECT COMPLETION	4790 SF	4385 SF

ACCESSORY STRUCTURE SQUARE FOOTAGE	AREA (S.F)	
	GROSS	NET
PROPOSED		
PERGOLA 1	528 SF	324 SF
PERGOLA 2	528 SF	324 SF
PERGOLA 3	528 SF	324 SF
TRASH ENCLOSURE	180 SF	183 SF

PARKING

AUTO PARKING	SPACE COUNT
EXISTING PARKING SPACES REMOVED:	40
EXISTING PASSENGER LOADING:	0
PROPOSED PARKING SPACES:	63
PROPOSED PASSENGER LOADING SPACES:	3
VEHICLE PARKING REQUIRED:	-

AS DETERMINED BY THE COMMUNITY DEVELOPMENT DIRECTOR IN CONSULTATION WITH THE PUBLIC WORKS DIRECTOR.

BICYCLE PARKING PROVIDED:	24
BICYCLE PARKING REQUIRED:	-

AS DETERMINED BY THE PUBLIC WORKS DIRECTOR PER MUNICIPAL CODE 30.175.040. SEE SHEET L-2 FOR LOCATIONS AND QUANTITY OF BIKE RACKS PROPOSED.

SHEET INDEX

L-1	COVER SHEET
L-2	SITE PLAN
L-3	PARK RENDERING #1
L-4	PARK RENDERING #2
L-5	PARK RENDERING #3
L-6	GENERAL PARK AMENITY AREAS
L-7	PLAY EQUIPMENT
L-8	SITE FURNISHINGS AND MATERIALS
L-9	LANDSCAPE PLAN AND MWELO CALCULATIONS
L-10	PLANT PALETTE
C-1	PRELIMINARY GRADING
C-2	PRELIMINARY GRADING
D-1	EXISTING CONDITIONS AND DEMOLITION PLAN
D-2	CONSTRUCTION PHASING PLAN
A-1	EXISTING SITE PHOTOS
A-2	EXISTING BUILDING PHOTOS
A-3	EXISTING ELEVATION PHOTOS
A-4	EXISTING ELEVATION PHOTOS
A-5	EXISTING SURROUNDING NEIGHBORHOOD
A-6	EXISTING SURROUNDING NEIGHBORHOOD
A-7	WELCOME HOUSE FLOOR PLAN
A-8	WELCOME HOUSE ELEVATIONS
A-9	WELCOME HOUSE ELEVATIONS
A-10	POOL EQUIPMENT BUILDING FLOOR PLAN
A-11	POOL EQUIPMENT BUILDING ELEVATIONS
A-12	POOL EQUIPMENT BUILDING ELEVATIONS
A-13	RESTROOM BUILDING FLOOR PLAN
A-14	RESTROOM BUILDING ROOF PLAN
A-15	RESTROOM BUILDING ELEVATIONS
A-16	RESTROOM BUILDING ELEVATIONS
A-17	COLOR AND MATERIALS - WELCOME HOUSE
A-18	COLOR AND MATERIALS - POOL EQUIPMENT BUILDING
A-19	COLOR AND MATERIALS - RESTROOM BUILDING
A-20	TRASH AND ENCLOSURE PLANS AND ELEVATIONS
P1-P13	PHOTOMETRIC PLANS AND ILLUMINATION SUMMARIES

Parks & Recreation
rrm design group
Wormhoudt INC
AQUATIC DESIGN GROUP

ORTEGA PARK
TITLE SHEET

#1144-03-RC19
JULY 2020

L-1



DESIGN KEY

GENERAL PARK IMPROVEMENTS

1. EXISTING BIKE PATH
2. EXISTING PARKWAY & STREET TREES
3. EXISTING TREES TO REMAIN WITH LAWN (SEE DEMO SHEET)
4. 6' DECORATIVE FENCE WITH PILASTERS
5. BACK-IN ANGLED PARKING WITH SIDEWALK
6. PARK RESTROOM
7. STAMPED CONCRETE ENTRY PROMENADE
8. OPEN GRASS AREA
9. DROUGHT TOLERANT PLANTER AREA
10. SECONDARY ACCESS GATE (MAINTENANCE & PEDESTRIAN EXIT)
11. PILASTERS WITH ROLLING GATE
12. PILASTERS WITH SWING GATE
13. ENTRY PLAZA WITH PARK SIGN, PER CITY OF SB STANDARD
14. HEAD-IN PARKING SPACES WITH EV CHARGING WHERE SHOWN
15. SPACE FOR TEMPORARY POP-UP TENTS & GATHERING
16. SEAT WALLS (18")
17. TRASH ENCLOSURE WITH OVERHEAD TRELLIS (PATH OF TRAVEL AS SHOWN ON PLAN)
18. BIKE RACKS (12 RACKS, 2 BICYCLES PER RACK, TYP. = 24)
19. IRON TREE GRATE, TYP.
20. IRON TRENCH GRATE, TYP.
21. BENCH
22. POOL SHOWERS
23. RELOCATED WELL, PER CITY OF SB
24. PUBLIC ART OR MURAL LOCATION

POOL AREA

25. POOL FACILITIES BUILDING AND PARK RESTROOMS
26. AQUATIC MECHANICAL AND CHEMICAL BUILDING
27. EXISTING WELCOME HOUSE AND POOL FACILITY ENTRY
28. WET PLAY/ WADING POOL (CAPACITY = 63 PEOPLE)
29. POOL SLIDE FEATURE
30. NON-COMPETITIVE LAP POOL (CAPACITY = 140 PEOPLE)
31. OVERHEAD SHADE STRUCTURE
32. CHANGING ROOMS
33. 6' POOL PERIMETER FENCE

SKATE PLAZA

34. CONCRETE SKATE PARK
35. SKATE PARK ENTRY FROM PARK
36. RETAINING WALL (36")

FAMILY PICNIC AREA & PLAYGROUND

37. SPLASH PAD IN PLAZA (RECIRCULATING, SEASONAL USE ONLY)
38. TRASH AND RECYCLING RECEPTACLES, PER CITY STANDARD
39. COLORIZED RUBBER SURFACING
40. FAMILY PICNIC AREA
41. PLAY EQUIPMENT (2-5 YEARS, 5-12 YEARS)
42. SHADE SAILS
43. CONCRETE PICNIC TABLES
44. 4' SAFETY FENCE AT PLAYGROUND

MULTI-GENERATIONAL ACTIVITY ZONE

45. RAISED PLANTERS WITH SEATING (18")
46. BASKETBALL
47. CONCRETE CORNHOLE
48. DURABLE OUTDOOR PING PONG TABLES
49. BOCCE BALL COURT
50. GAME TABLES

MULTI-SPORT FIELD AREA

51. MULTI-SPORT SYNTHETIC TURF WITH LIGHTING
52. BACKSTOP WITH ROOM FOR SEATING
53. YOUTH BASEBALL STRIPING ON SYTHETIC TURF
54. SECONDARY PEDESTRIAN ENTRANCE
55. FIELD ENTRANCE WITH SLIDING GATE AND PILASTERS
56. 4' DECORATIVE FENCE
57. SOCCER FIELD PROMENADE

****REFER TO ARCHITECTURAL SHEETS FOR BUILDING DIMENSIONS & MATERIALS**

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ORTEGA PARK
SITE PLAN

0' 15' 30' 60' 90'

SCALE 1" = 30'

NORTH

#1144-03-RC19
JULY 2020

L-2





KEYMAP

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ORTEGA PARK
PERSPECTIVE RENDERING #1



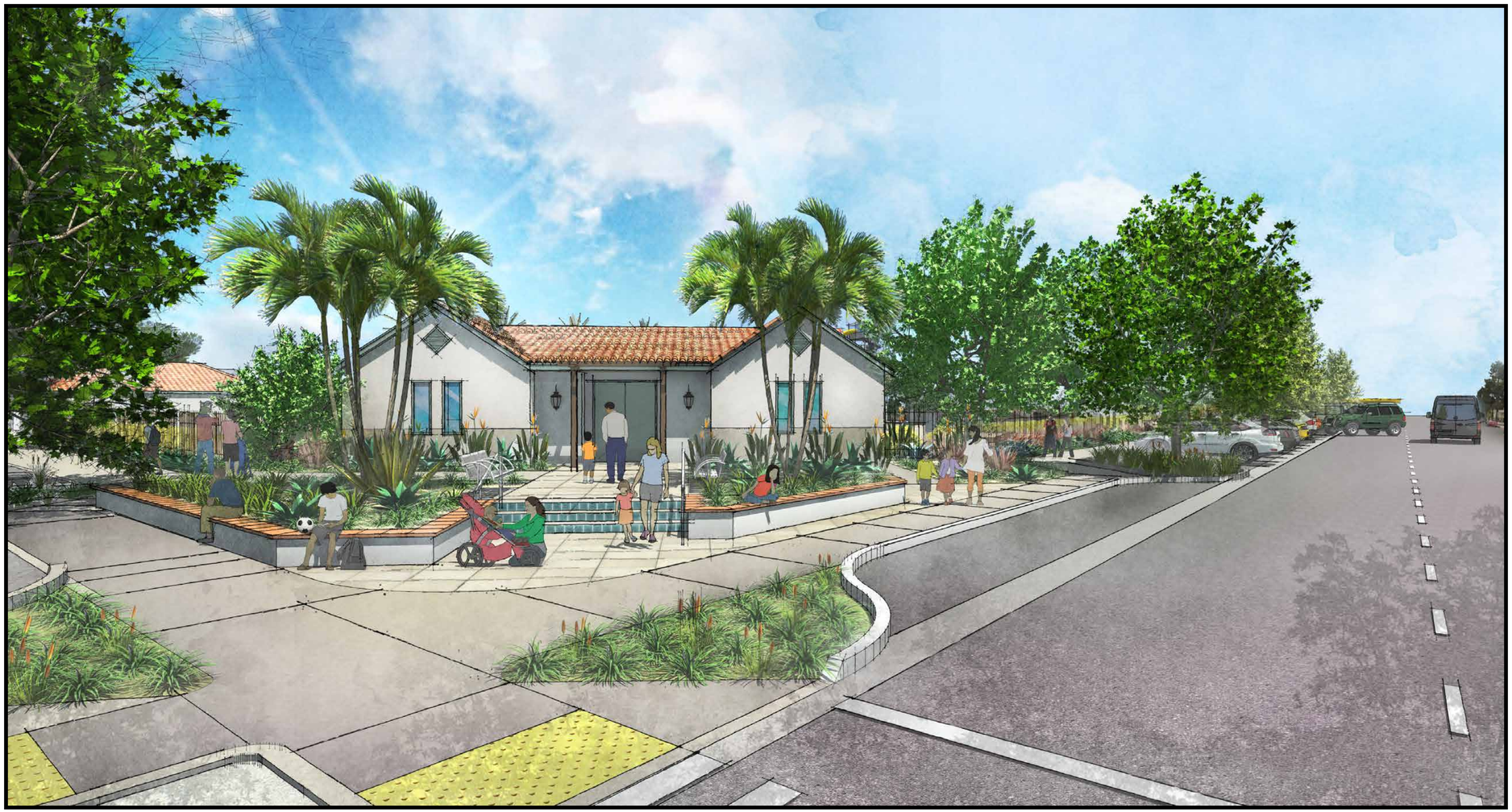


KEYMAP

ORTEGA PARK
PERSPECTIVE RENDERING #2

#1144-03-RC19
JULY 2020

L-4

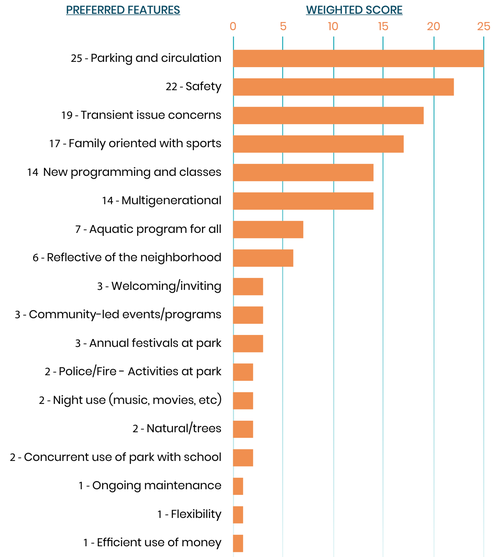


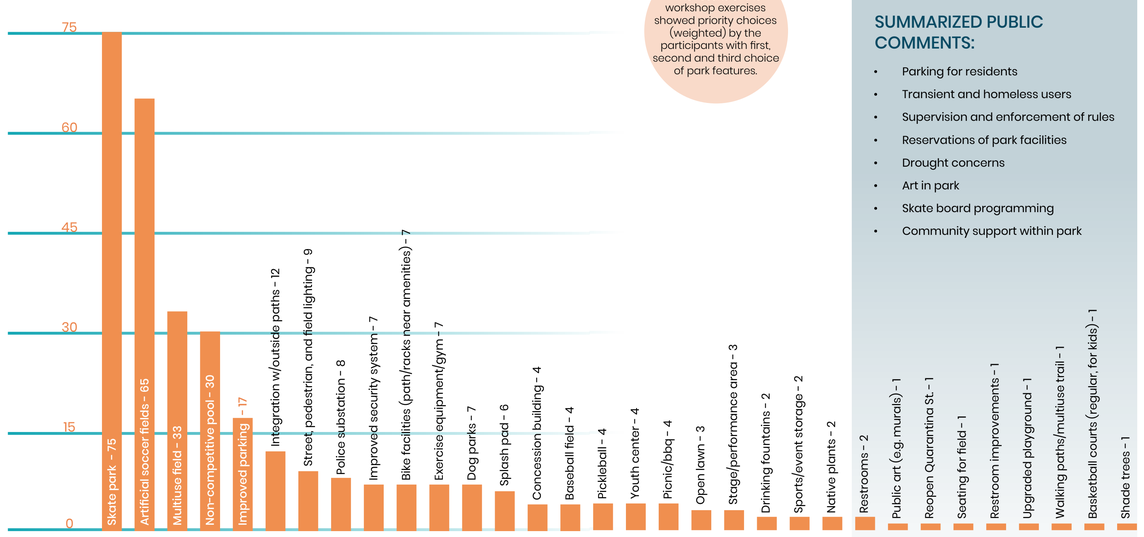


KEYMAP

ORTEGA PARK
PERSPECTIVE RENDERING #3

#1144-03-RC19
JULY 2020





*The results of the workshop exercises showed priority choices (weighted) by the participants with first, second and third choice of park features.

SUMMARIZED PUBLIC COMMENTS:

- Parking for residents
- Transient and homeless users
- Supervision and enforcement of rules
- Reservations of park facilities
- Drought concerns
- Art in park
- Skate board programming
- Community support within park

MASTER PLAN WORKSHOP 1 SUMMARY RESULTS



SKATE PARK



CONCRETE PING PONG



CONCRETE CORNHOLE



SHADE SAILS



MULTI-SPORT SYNTHETIC FIELD AREA



BOCCE BALL



BASKETBALL



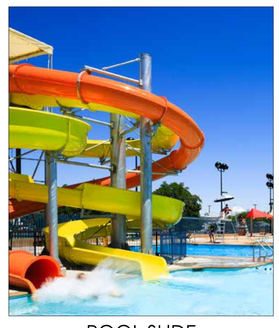
OPEN LAWN AREA



SPLASH PAD



WET PLAY & POOL



POOL SLIDE

MULTI-GENERATION ACTIVITY AREA

CENTRAL BBQ AND PICNIC AREA

POOL AREA

ORTEGA PARK
GENERAL PARK AMENITY AREAS



HEMISPHERE CLIMBER



RHAPSODY MUSIC EQUIPMENT



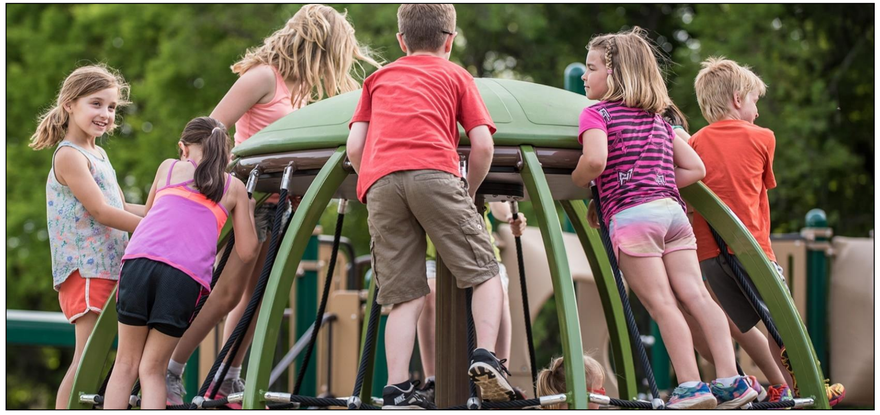
CORKSCREW NET CLIMBER



ECLIPSE CLIMBER



CURVA SPINNER



GLOBE SPINNER (OPTION)



ECLIPSE CLIMBER



MUSIC PLAY



OODLE SWING



MUSIC PLAY



RHAPSODY CASCATA BELLS

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PLAY EQUIPMENT



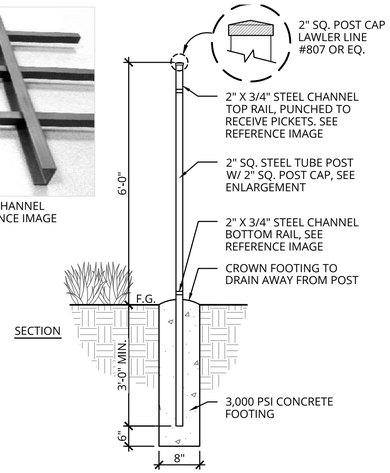
PUBLIC ART



SITE PILASTERS

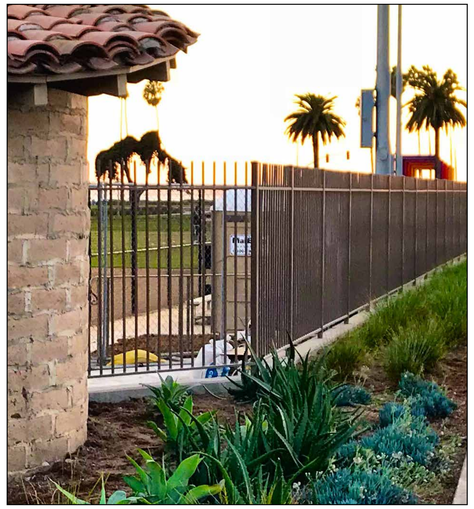


STEEL CHANNEL
REFERENCE IMAGE



SECTION

FENCING
2" TUBULAR STEEL WITH SQUARE POST



FENCING
AS SHOWN AT CABRILLO BALL FIELD IN
COLOR 'MOCHA'



UMBRELLAS AT POOL



CONCRETE SEAT WALLS



CONCRETE PICNIC TABLE



GAME TABLES



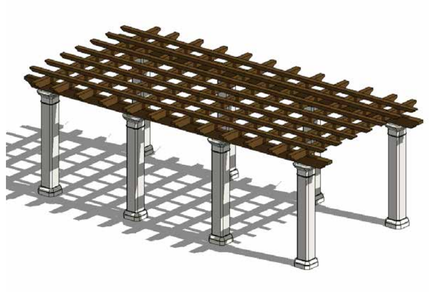
BIKE RACK
ACCOMODATES 2 BICYCLES PER RACK



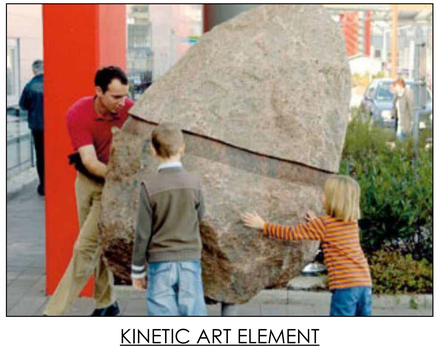
WOOD STAMPED CONCRETE



SHADE STRUCTURE



SHADE STRUCTURE



KINETIC ART ELEMENT



BENCH
VICTOR STANLEY: CBF-12 CITY SITES COLLECTION



TRASH RECEPTACLE
STANDARD RECEPTACLE TO BE
PROVIDED BY PARKS AND RECREATION,
IN COORDINATION WITH PUBLIC WORKS.
'INDUSTRIAL' EXAMPLE IMAGE SHOWN PER CITY
OF SANTA BARBARA'S MASTER CONTAINER LIST

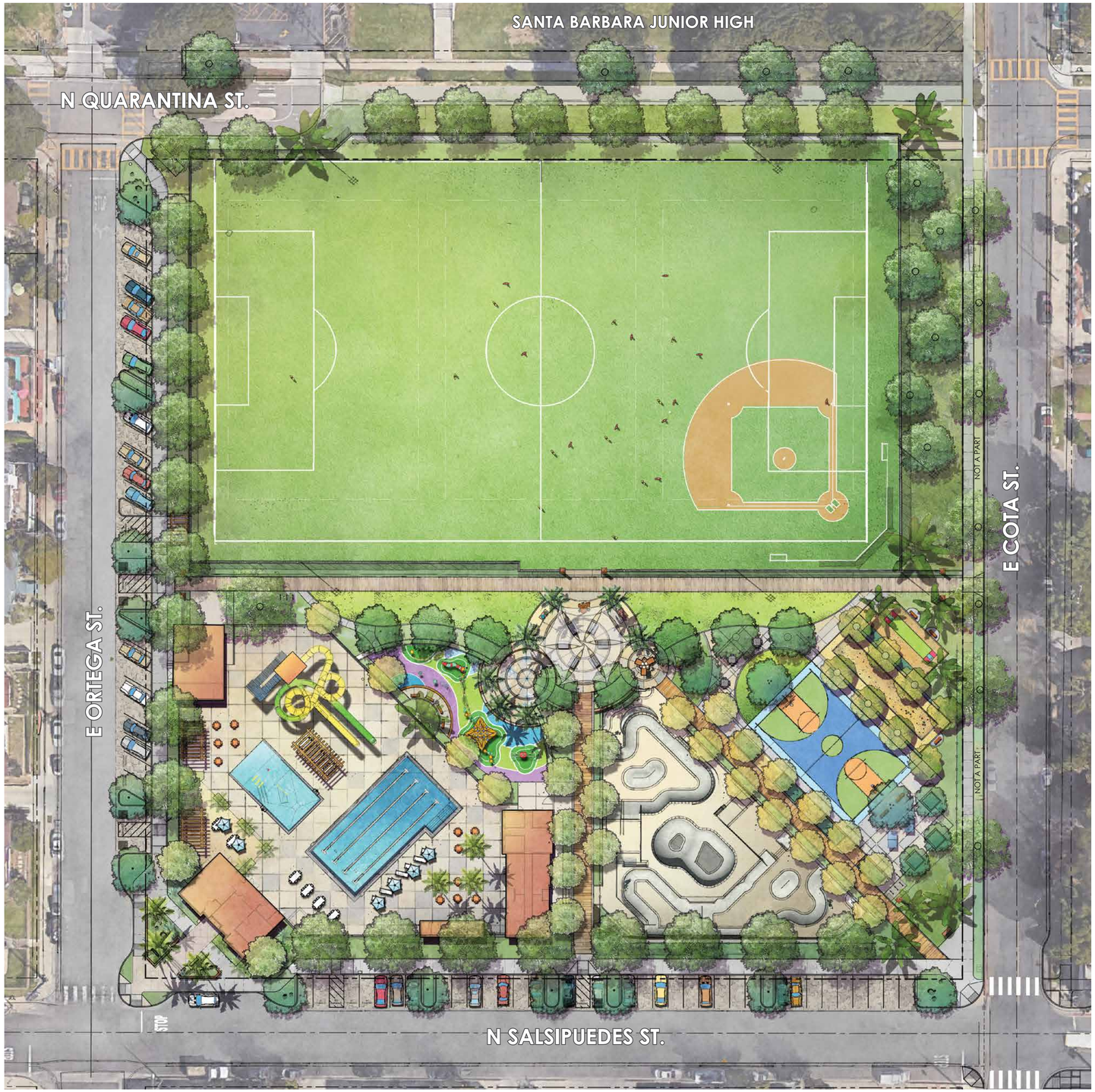


CONCRETE WITH SCORING

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ORTEGA PARK
SITE FURNISHINGS AND MATERIALS

#1144-03-RC19
JULY 2020



*SEE EXISTING CONDITIONS AND DEMO PLAN FOR EXISTING TREES TO BE REMOVED OR PROTECTED

PROPOSED PLANT PALETTE

SHADE TREES (24-36" BOX) QTY 47

SUCH AS:

CINNAMOMUM CAMPHORA	CAMPHOR TREE
PLATANUS RACEMOSA	MEXICAN SYCAMORE
KOELREUTERIA BIPINNATA	CHINESE FLAME TREE
ZELKOVA SERRATA `VILLAGE GREEN`	'VILLAGE GREEN' ZELKOVA
GINGKO BILOBA 'AUTMN GOLD'	MAIDENHAIR

STREET TREES (36" BOX) QTY 12

* PINUS CANARIENSIS	CANARY ISLAND PINE (SALSIPUEDES ST.)
+ ZELKOVA SERRATA `HALKA`	SAWLEAF ZELKOVA (SALSIPUEDES ST.)
* STENOCARPUS SINUATUS	FIREWHEEL TREE (E. ORTEGA ST.)
+ GINGKO BILOBA 'AUTMN GOLD'	MAIDENHAIR
+ KOELREUTERIA BIPINNATA	CHINESE FLAME TREE

*** PER CITY OF SANTA BARBARA STREET TREE DESIGNATION & STREET TREE MASTER PLAN**
+ INDICATES SPECIES IS UNDER REVIEW FOR N. SALSIPUDEDES ST. CO-DESIGNATION (PRC)

ACCENT TREES (24" BOX) QTY 39

SUCH AS:

CASSIA LEPTOPHYLLA	GOLDEN MEDALLION TREE
BRAHEA ARMATA	MEXICAN BLUE PALM
JUBAEA CHILENSIS	CHILEAN WINE PALM
LAGERSTROEMIA INDICA	CRAPE MYRTLE
OLEA EUROPAEA `MAJESTIC BEAUTY` TM	MAJESTIC BEAUTY FRUITLESS OLIVE
TABEBOUIA IMPETIGINOSA	PINK TRUMPET TREE

FOCAL AREA/ ENTRY TREES (48" BOX) QTY 10

SUCH AS:

ARCHONTOPHOENIX CUNNINGHAMIANA	MULTI-TRUNK KING PALM
CEIBA SPECIOSA	FLOSS SILK TREE
PHOENIX CANARIENSIS	CANARY ISLAND DATE PALM
JACARANDA MIMOSIFOLIA	JACARANDA MULTI-TRUNK

SHRUBS, GRASSES, AND GROUNDCOVERS (1, 5, 15 GAL) QTY 1,672

34,209 SF (ALL LOW WATER USING)

SUCH AS:

ACACIA COGNATA `COUSIN ITT`	RIVER WATTLE
AEONIUM URBICUM	DINNER PLATE AEONIUM
AGAVE ATTENUATA `NOVA`	BLUE CLONE
AGAVE VILMORINIANA	OCTOPUS AGAVE
AGAVE X `BLUE GLOW`	BLUE GLOW AGAVE
ALOE SPP.	ALOE
ALYOGYNE HUEGELII `SANTA CRUZ`	BLUE HIBISCUS
ANIGOZANTHOS X `BUSH BABY`	BUSH BABY KANGAROO PAW
BACCHARIS X 'PIGEON POINT'	COYOTE BRUSH
BULBINE FRUTESCENS	STALKED BULBINE
CAESALPINIA SPP.	DESERT BIRD OF PARADISE
CEANOTHUS SPP.	CALIFORNIA LILAC
CERCIS 'RISING SUN'	GOLDEN REDBUD
-CAREX DIVULSA	BERKELEY SEDGE
CEANOTHUS GRISEUS HORZIONTALIS	CARMEL CREEPER
CISTUS PULVERULENTUS `SUNSET`	ROCKROSE
-CHONDROPETALUM TECTORUM	CAPE RUSH
DIETES GRANDIFLORA	WILD IRIS
ECHEVERIA X `AFTERGLOW`	AFTERGLOW ECHEVERIA
FURCREA FOETIDA MEDIOPICTA	GIANT CABUYA
-KNIPHOFIA UVARIA `MALIBU YELLOW`	MALIBU YELLOW TORCH LILY
LEUCADENDRON X `PERRY`S RED`	CONEBUSH
LEUCADENDRON X `SAFARI GOLD STRIKE`	YELLOW CONEBUSH
LEUCOSPERMUM CORDIFOLIUM	PINCUSHION
-LEYMUS CONDENSATUS `CANYON PRINCE`	NATIVE BLUE RYE
-LOMANDRA HYSTRIX `TROPIC BELLE`	TROPIC BELLE MAT RUSH
-LOMANDRA LONGIFOLIA `BREEZE`	DWARF MAT RUSH
MUHLENBERGIA SPP.	MUHLY GRASS
OLEA EUROPAEA `LITTLE OLLIE`	LITTLE OLLIE OLIVE
PENNISETUM SPATHIOLATUM	RYE PUFFS
PHORMIUM X `YELLOW WAVE`	YELLOW WAVE FLAX
SALVIA LEUCANTHA `SANTA BARBARA`	MEXICAN BUSH SAGE
SALVIA X `BEE`S BLISS`	BEE`S BLISS SAGE
SENECIO MANDRALISCAE	SENECIO
SEDUM SPP.	SEDUM
-SESLERIA AUTUMNALIS	AUTUMN MOOR GRASS
STRELITZIA SPP.	BIRD OF PARADISE

- INDICATES SPECIES SUITABLE FOR LID AREAS

EXISTING TREES TO REMAIN QTY 18

SEE EXISTING CONDITIONS AND DEMOLITION PLAN SHEET D-1

EXISTING TREES TO BE REMOVED QTY 40

SEE EXISTING CONDITIONS AND DEMOLITION PLAN SHEET D-1

TURF (NATURAL) QTY 5,697 SF

EXISTING TURF TO REMAIN QTY 7,640 SF

(LOCATED ON PARK PROPERTY EAST OF SOCCER FIELD ADJACENT TO E. COTA STREET. EXCLUDES EXISTING PARKWAYS ALONG E. COTA OUTSIDE OF IMPROVEMENT AREAS)

TURF CLASSIFIED AS SPECIAL LANDSCAPE AREA (SLA) FOR RECREATIONAL PURPOSES SEE MWELO CALCULATIONS AND NOTES, THIS SHEET.

IRRIGATION COMPLIANCE & DESIGN CRITERIA

THE PLANT PALETTE IS COMPRISED OF SPECIES KNOWN TO THRIVE IN THE LOCAL CLIMATE AND SOIL CONDITIONS. THE PROPOSED PLANT MATERIAL (OUTSIDE OF AREAS ALLCOATED FOR RECREATIONAL USE) WILL REQUIRE LOW TO VERY LOW WATER ONCE ESTABLISHED. THIS PLANT PALETTE COUPLED WITH THE IRRIGATION SYSTEM DESCRIBED BELOW HAS BEEN DESIGNED TO MEET OR EXCEED THE STATE AND LOCAL STANDARDS FOR WATER CONSERVATION BASED ON THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE.

A WEATHER SENSING, 'SMART CONTROLLER' WILL BE USED TO MONITOR THE PROVISION OF IRRIGATION WATER AND MANAGE DAILY WATER CONSUMPTION TO THE MINIMUM REQUIREMENTS FOR EACH HYDROZONE. ALL TREES, SHRUBS, AND GROUNDCOVER AREAS WILL BE IRRIGATED ON SEPARATE HYDROZONES SO THAT ONCE ESTABLISHED, WATER CAN BE REGULATED IN A MORE EFFICIENT MANNER. TREES WILL BE IRRIGATED BY BUBBLERS. ALL ORNAMENTAL PLANTING WILL RECEIVE DRIP IRRIGATION OR OTHER HIGHLY EFFICIENT IRRIGATION. AREAS TO RECEIVE DRIP IRRIGATION SHALL EXCEED THE REQUIRED 25% PER CITY OF SANTA BARBARA'S LANDSCAPE DESIGN STANDARDS FOR WATER CONSERVATION.

MWELO CALCULATIONS

TOTAL DEVELOPMENT AREA (ON-SITE & OFF-SITE): 247,047 SF
SEE TITLE SHEET L-1 FOR ADDITIONAL AREA CALCULATIONS
TOTAL ON-SITE LANDSCAPE AREA: 43,437 SF
TOTAL ON-SITE SYNTHETIC TURF: 93,452 SF
TOTAL ON-SITE HARDSCAPE AREA: 60,114 SF
TOTAL OFF-SITE LANDSCAPE AREA: 4,109 SF

TOTAL PERVIOUS AREA: 144,902 SF
TOTAL IMPERVIOUS AREA: 60,114 SF

AREAS WITHIN THE PROJECT SITE THAT ARE TO BE USED FOR RECREATIONAL PURPOSES AND ALL AREAS THAT WILL BE IRRIGATED WITH RECLAIMED WATER ARE CLASSIFIED AS SPECIAL LANDSCAPE AREAS. SPECIAL LANDSCAPE AREAS HAVE BEEN INCORPORATED INTO THE FOLLOWING CALCULATIONS AND ARE REFLECTED IN THE MAXIMUM APPLIED WATER ALLOWANCE PER CALIFORNIA CODE OF REGULATIONS AND THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE.

ESTIMATED TOTAL WATER USE: 1,143,438 GAL / YR.
MAXIMUM APPLIED WATER ALLOWANCE: 1,143,438 GAL / YR.

AVERAGE EXISTING WATER USE FOR ORTEGA PARK IRRIGATION IS 1,567,920 GAL / YR.
SEE PRELIMINARY SEWER AND WATER DEMAND STUDIES ISSUED TO WATER RESOURCES DEPT AS PART OF DART REPONSES.

Source:
California Code of Regulations
Title 23. Waters
Division 2. Department of Water Resources
Chapter 2.7. Model Water Efficient Landscape Ordinance

NOTE: PUBLISHED AUTHORITATIVE SOURCES FOR WATER USE CLASSIFICATIONS OF ALL PROPOSED PLANT SPECIES ON THIS SHEET INCLUDE THE CAL POLY URBAN FOREST ECOSYSTEMS INSTITUTE, SUNSET WESTERN GARDENS, US DEPARTMENT OF AGRICULTURE, AND SANTA BARBARA'S ADDENDUM TO WUCOLS.

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ORTEGA PARK
LANDSCAPE PLAN

0' 15' 30' 60' 90'
SCALE 1" = 30'

NORTH

#1144-03-RC19
JULY 2020

L-9


JUBEA CHILENSIS


STENOCARPUS SINUATUS


ARCHONTOPHOENIX CUNNINGHAMIANA


ZELKOVA SERRATA 'HALKA'


CASSIA LEPTOPHYLLA


FURCREA FOETIDA 'MEDIOPICTA'


SENECIO SERPENS

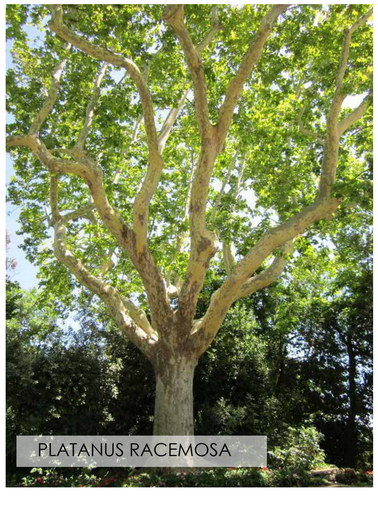

LEUCADENDRON 'SAFARI GOLD STRIKE'


DIETES GRANDIFLORA


ANIGOZANTHOS SPP.


OLEA EUROPAENA 'LITTLE OLLIE'


KNIPHOFIA UVARIA


PLATANUS RACEMOSA


LOMANDRA LONGIFOLIA


VERBENA X BALKENDALE


AGAVE 'BLUE GLOW' & AGAVE ATTENUATA


DECOMPOSED GRANITE


COBBLE MULCH

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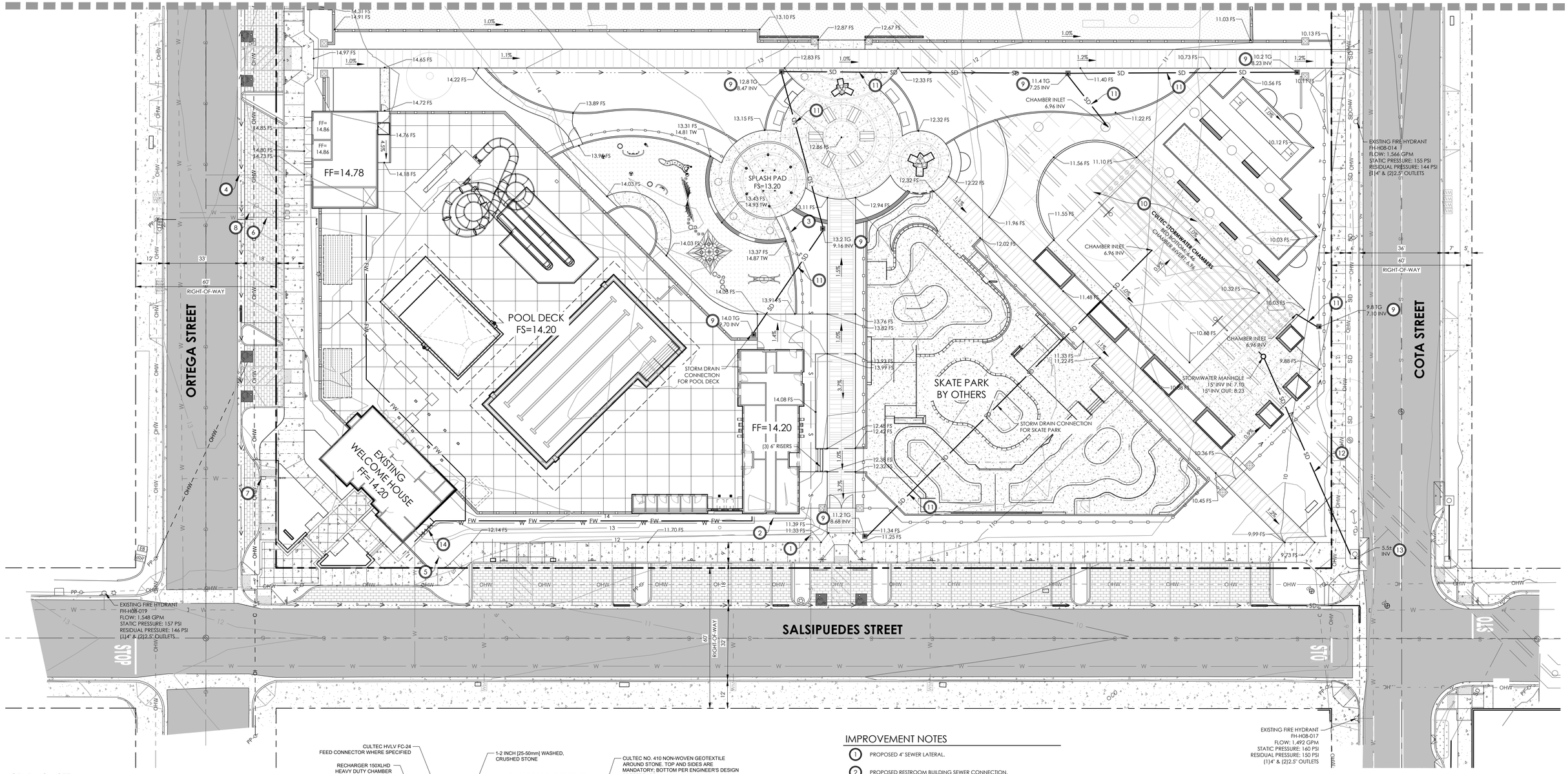
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ORTEGA PARK
PLANT PALETTE

#1144-03-RC19
JULY 2020

MATCHLINE SEE SHEET C2



GRADING NOTE:

SITE GRADING SHALL CONFORM TO THE RECOMMENDATIONS MADE BY THE GEOTECHNICAL ENGINEER IN THE APPROVED SOILS REPORT.

EARTH QUANTITIES:

AREA OF DISTURBANCE 5.5 AC±

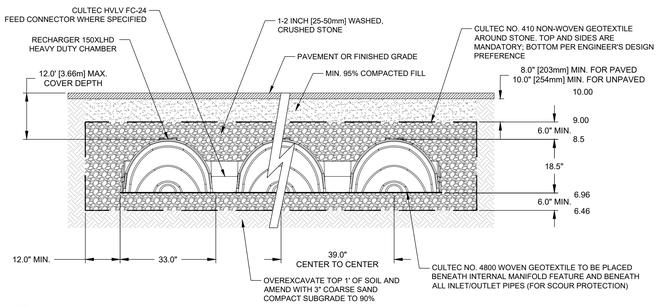
RAW CUT: 10,600 CY
RAW FILL: 480 CY
NET: 10,120 CY CUT

SOIL REMOVAL BELOW STORMWATER INFILTRATION AREAS PER SOIL MANAGEMENT PLAN*
EXPORT: 1,950 CY
IMPORT: 1,950 CY

QUANTITY ESTIMATES ON THESE PLANS ARE TO BE USED FOR PERMIT PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ACTUAL QUANTITIES FOR THE PURPOSE OF CONSTRUCTION.

THE RAW EARTHWORK QUANTITIES SHOWN HEREON REPRESENT THE ESTIMATED VOLUMETRIC DIFFERENCE BETWEEN THE PROPOSED ROUGH GRADE AND THE LIMITED TOPOGRAPHIC EXISTING GRADES. THESE ESTIMATES DO NOT MAKE CONSIDERATIONS FOR LOSSES OR BULKING DUE TO: SHRINKAGE, SOIL AMENDMENTS, STABILIZATION, CONSTRUCTION TECHNIQUE, FOOTING & TRENCHING SPOILS, ETC. THESE, IN ADDITION TO ACTUAL FIELD CONDITIONS, CONSTRUCTION TECHNIQUE AND THE FINAL RECOMMENDATIONS OF THE SOILS ENGINEER MAY SIGNIFICANTLY EFFECT THE FINAL IMPORT/EXPORT QUANTITIES.

*CORRECTIVE ACTION PLAN/SOIL MANAGEMENT PLAN PREPARED BY RINCON CONSULTANTS RECOMMENDS REMOVAL OF CONTAMINATED SOILS BELOW INFILTRATION AREAS TO GROUNDWATER DEPTH WITH A LATERAL THREE-FOOT BUFFER. CALCULATIONS ASSUME GROUNDWATER DEPTH IS FIVE FEET BELOW EXISTING GRADE.



A CULTEC STORMWATER CHAMBERS
SCALE: N.T.S.

IMPROVEMENT NOTES

1. PROPOSED 4" SEWER LATERAL.
2. PROPOSED RESTROOM BUILDING SEWER CONNECTION.
3. PROPOSED SPLASH PAD SEWER CONNECTION.
4. PROPOSED DEDICATED 4" SEWER LATERAL FOR POOL FACILITIES.
5. EXISTING SEWER LATERAL SERVING WELCOME HOUSE TO REMAIN.
6. EXISTING IRRIGATION METER AND BACKFLOW DEVICE TO BE UPSIZED TO 3" METER AND LINE FOR IRRIGATION USE (SYNTHETIC TURF MAINTENANCE).
7. EXISTING WATER METER AND BACKFLOW TO REMAIN FOR DOMESTIC USE (WELCOME HOUSE AND RESTROOM BUILDING).
8. PROPOSED 3" WATER METER AND SERVICE FOR POOL EQUIPMENT.
9. PROPOSED STORM DRAIN CATCH BASIN.
10. PROPOSED UNDERGROUND STORMWATER CHAMBERS (CULTEC RECHARGER 150XLHD- 80 CHAMBERS TOTAL). SEE DETAIL 'A' THIS SHEET.
11. PROPOSED 8" STORM DRAIN AT 1.0% MINIMUM SLOPE.
12. PROPOSED 15" STORM DRAIN AT 1.0% MINIMUM SLOPE.
13. PROPOSED 15" STORM DRAIN CONNECTION TO EXISTING CURB INLET.
14. PROPOSED FIRE WATER LINE AND BACKFLOW PREVENTER.

LEGEND

- PROPOSED SYNTHETIC TURF
- PROPOSED BIO-RETENTION AREA
- PROPOSED CONCRETE
- PROPERTY LINE
- 821 — EXISTING CONTOUR
- 821 — PROPOSED CONTOUR
- PROPOSED FLOWLINE
- SD — PROPOSED STORM DRAIN
- W — EXISTING WATER MAIN
- S — EXISTING SANITARY SEWER MAIN
- SD — EXISTING STORM DRAIN
- PROPOSED GRADE BREAK

0 20 40 60 feet
1"=20'

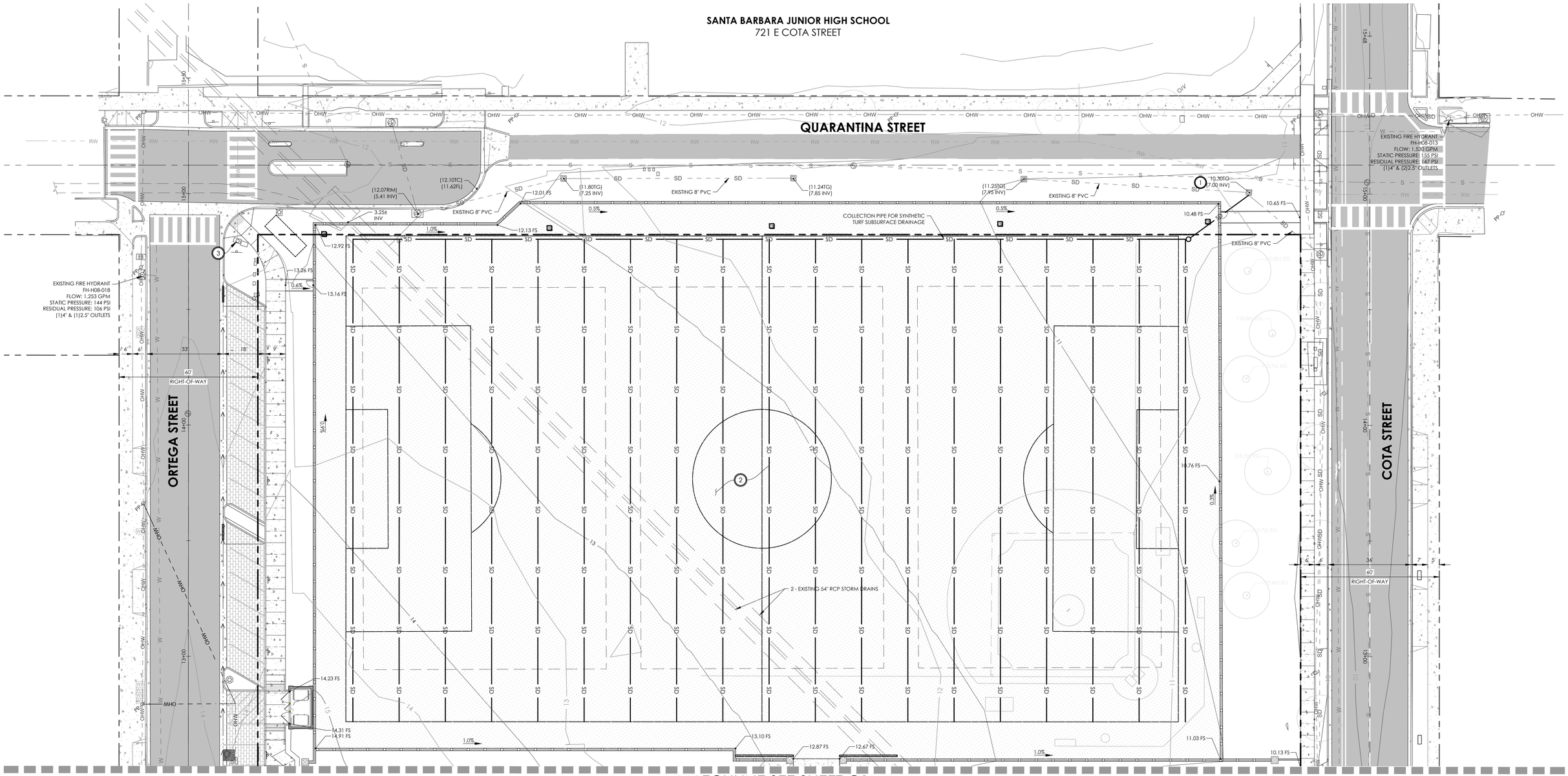
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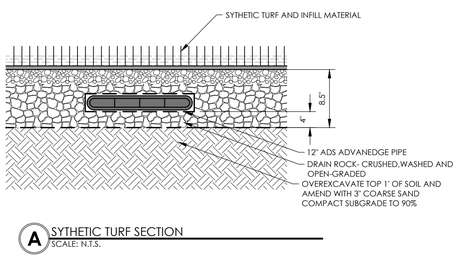
ORTEGA PARK
PRELIMINARY GRADING AND UTILITY PLAN (SOUTH)

#1144-03-RC19
JULY 2020

C-1

SANTA BARBARA JUNIOR HIGH SCHOOL
721 E COTA STREET





A SYTHETIC TURF SECTION
SCALE: N.T.S.

IMPROVEMENT NOTES

1. CONNECT TO EXISTING CATCH BASIN.
2. PROPOSED SYNTHETIC TURF AND SUBSURFACE DRAINAGE. SEE DETAIL 'A' THIS SHEET.
3. EXISTING 2" RECYCLED WATER METER TO BE USED FOR IRRIGATION.

LEGEND

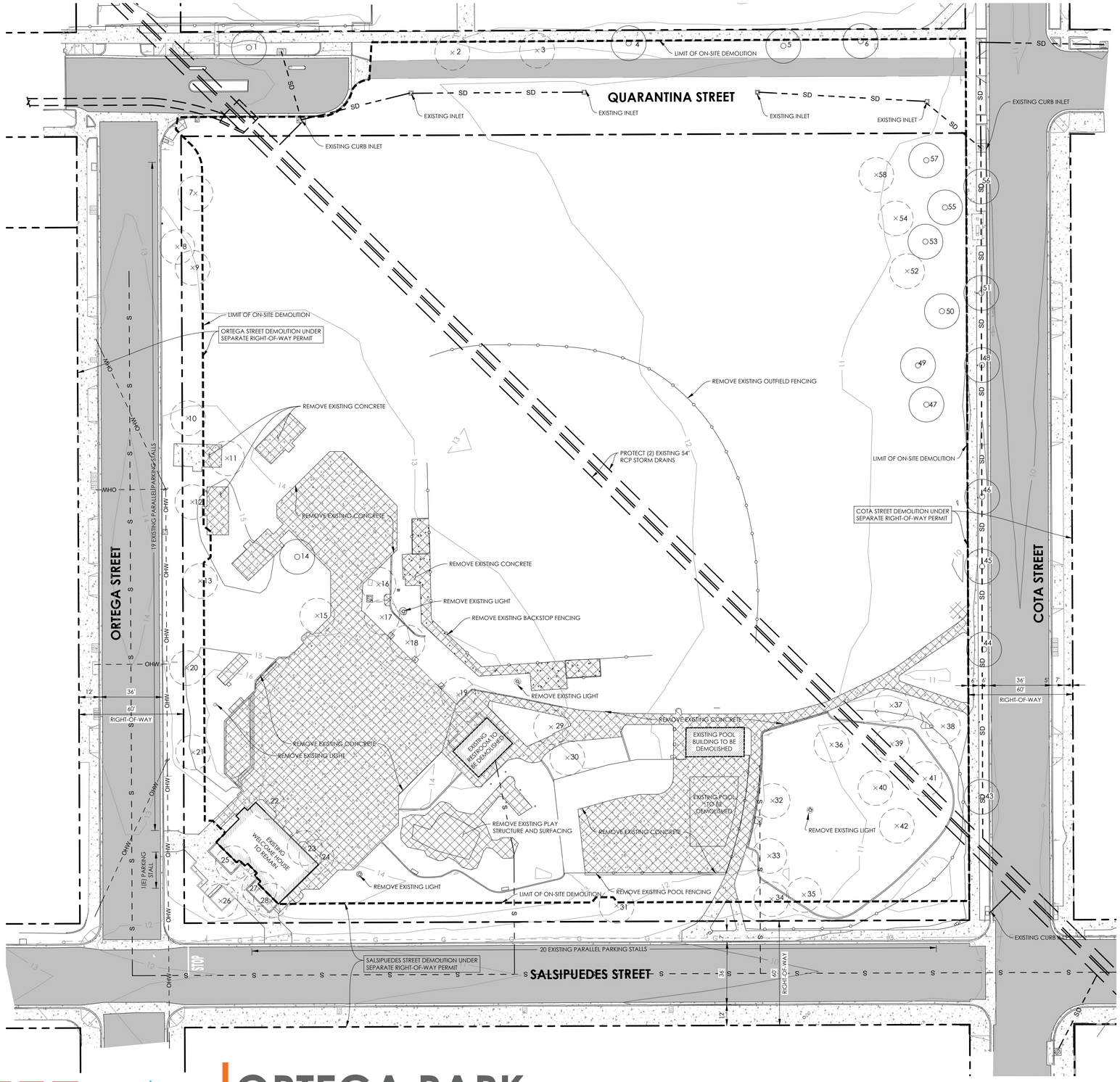
- PROPOSED SYNTHETIC TURF
- PROPOSED BIO-RETENTION AREA
- PROPOSED CONCRETE
- PROPERTY LINE
- 821 EXISTING CONTOUR
- 821 PROPOSED CONTOUR
- PROPOSED FLOWLINE
- SD PROPOSED STORM DRAIN
- W EXISTING WATER MAIN
- S EXISTING SANITARY SEWER MAIN
- SD EXISTING STORM DRAIN
- PROPOSED GRADE BREAK

0 20 40 60 feet
1"=20'

ORTEGA PARK
PRELIMINARY GRADING AND UTILITY PLAN (NORTH)

#1144-03-RC19
JULY 2020

C-2



LEGEND

	QUANTITY
PROPERTY LINE	
LIMIT OF ON-SITE DEMOLTION	
EXISTING AC PAVING TO REMAIN	
EXISTING CONCRETE PAVING TO REMAIN	
EXISTING CONCRETE PAVING TO BE REMOVED	30,843 SF
EXISTING BUILDING TO REMAIN	1,604 SF
EXISTING BUILDING TO BE DEMOLISHED	1,134 SF
200 EXISTING CONTOUR	
SD EXISTING STORM DRAIN	
EXISTING TREE TO REMAIN	18
EXISTING TREE TO BE REMOVED	40

EXISTING TREE DISPOSITION

ID #	SCIENTIFIC NAME	COMMON NAME	DBH (in)	ACTION
1	*PINUS PINEA*	ITALIAN STONE PINE	48	PROTECT
2	*PINUS PINEA*	ITALIAN STONE PINE	8	REMOVE
3	*PINUS PINEA*	ITALIAN STONE PINE	8	REMOVE
4	*PINUS PINEA*	ITALIAN STONE PINE	40	PROTECT
5	*PINUS PINEA*	ITALIAN STONE PINE	48	PROTECT
6	*PINUS PINEA*	ITALIAN STONE PINE	36	PROTECT
7	*MAGNOLIA GRANDIFLORA*	SOUTHERN MAGNOLIA	6	REMOVE
8	*PINUS CANARIENSIS*	CANARY ISLAND PINE	8	REMOVE
9	*PINUS CANARIENSIS*	CANARY ISLAND PINE	10	REMOVE
10	*PINUS ELDARICA*	AFGHAN PINE	24	REMOVE
11	*PINUS PATULA*	JELECOTE PINE	14	REMOVE
12	*PINUS ELDARICA*	AFGHAN PINE	18	REMOVE
13	*PINUS PATULA*	JELECOTE PINE	18	REMOVE
14	*PINUS ELDARICA*	AFGHAN PINE	36	PROTECT
15	*PYRUS KAWAKAMII*	EVERGREEN PEAR	18	REMOVE
16	*PYRUS KAWAKAMII*	EVERGREEN PEAR	18	REMOVE
17	*PYRUS KAWAKAMII*	EVERGREEN PEAR	12	REMOVE
18	*PYRUS KAWAKAMII*	EVERGREEN PEAR	14	REMOVE
19	*PYRUS KAWAKAMII*	EVERGREEN PEAR	6	REMOVE
20	*PINUS ELDARICA*	AFGHAN PINE	24	REMOVE
21	*PINUS ELDARICA*	AFGHAN PINE	28	REMOVE
22	*PHOENIX ROEBELENII*	PYGMY DATE PALM	(3)-4	REMOVE
23	*PHOENIX ROEBELENII*	PYGMY DATE PALM	3	REMOVE
24	*PHOENIX ROEBELENII*	PYGMY DATE PALM	(3)-6	REMOVE
25	*PHOENIX ROEBELENII*	PYGMY DATE PALM	4	REMOVE
26	*SCHINUS TEREBINTHIFOLIUS*	BRAZILIAN PEPPER	14	REMOVE
27	*PHOENIX ROEBELENII*	PYGMY DATE PALM	4	REMOVE
28	*PHOENIX ROEBELENII*	PYGMY DATE PALM	8	REMOVE
29	*PINUS CANARIENSIS*	CANARY ISLAND PINE	24	REMOVE
30	*PINUS CANARIENSIS*	CANARY ISLAND PINE	24	REMOVE
31	*PINUS ELDARICA*	AFGHAN PINE	26	REMOVE
32	*KOELREUTERIA BIPINNATA*	CHINESE FLAME TREE	8	REMOVE
33	*KOELREUTERIA BIPINNATA*	CHINESE FLAME TREE	8	REMOVE
34	*PINUS ELDARICA*	AFGHAN PINE	20	REMOVE
35	*KOELREUTERIA BIPINNATA*	CHINESE FLAME TREE	12	REMOVE
36	*KOELREUTERIA BIPINNATA*	CHINESE FLAME TREE	16	REMOVE
37	*KOELREUTERIA BIPINNATA*	CHINESE FLAME TREE	18	REMOVE
38	*KOELREUTERIA BIPINNATA*	CHINESE FLAME TREE	18	REMOVE
39	*KOELREUTERIA BIPINNATA*	CHINESE FLAME TREE	6	REMOVE
40	*KOELREUTERIA BIPINNATA*	CHINESE FLAME TREE	16	REMOVE
41	*KOELREUTERIA BIPINNATA*	CHINESE FLAME TREE	8	REMOVE
42	*KOELREUTERIA BIPINNATA*	CHINESE FLAME TREE	12	REMOVE
43	*KOELREUTERIA BIPINNATA*	CHINESE FLAME TREE	18	PROTECT
44	*KOELREUTERIA BIPINNATA*	CHINESE FLAME TREE	18	PROTECT
45	*KOELREUTERIA BIPINNATA*	CHINESE FLAME TREE	18	PROTECT
46	*KOELREUTERIA BIPINNATA*	CHINESE FLAME TREE	18	PROTECT
47	*KOELREUTERIA BIPINNATA*	LONDON PLANE TREE	18	PROTECT
48	*KOELREUTERIA BIPINNATA*	CHINESE FLAME TREE	18	PROTECT
49	*PLATANUS X HISPANICA*	LONDON PLANE TREE	36	PROTECT
50	*LIQUIDAMBAR STYRACIFLUA*	AMERICAN SWEETGUM	18	PROTECT
51	*KOELREUTERIA BIPINNATA*	CHINESE FLAME TREE	18	PROTECT
52	*PINUS ELDARICA*	AFGHAN PINE	24	REMOVE
53	*LIQUIDAMBAR STYRACIFLUA*	AMERICAN SWEETGUM	12	PROTECT
54	*PINUS ELDARICA*	AFGHAN PINE	24	REMOVE
55	*LIQUIDAMBAR STYRACIFLUA*	AMERICAN SWEETGUM	12	PROTECT
56	*KOELREUTERIA BIPINNATA*	CHINESE FLAME TREE	15	PROTECT
57	*PINUS ELDARICA*	AFGHAN PINE	18	PROTECT
58	*LIQUIDAMBAR STYRACIFLUA*	AMERICAN SWEETGUM	12	REMOVE

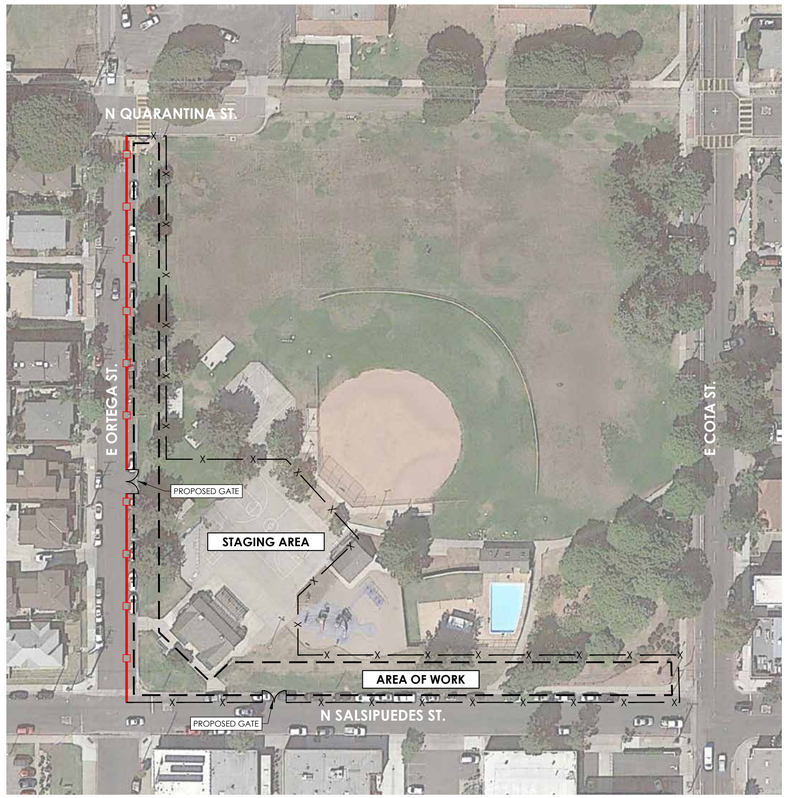
0 30 60 90 feet
1"=30'

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ORTEGA PARK
EXISTING CONDITIONS AND DEMOLITION PLAN

#1144-03-RC19
JULY 2020

D-1



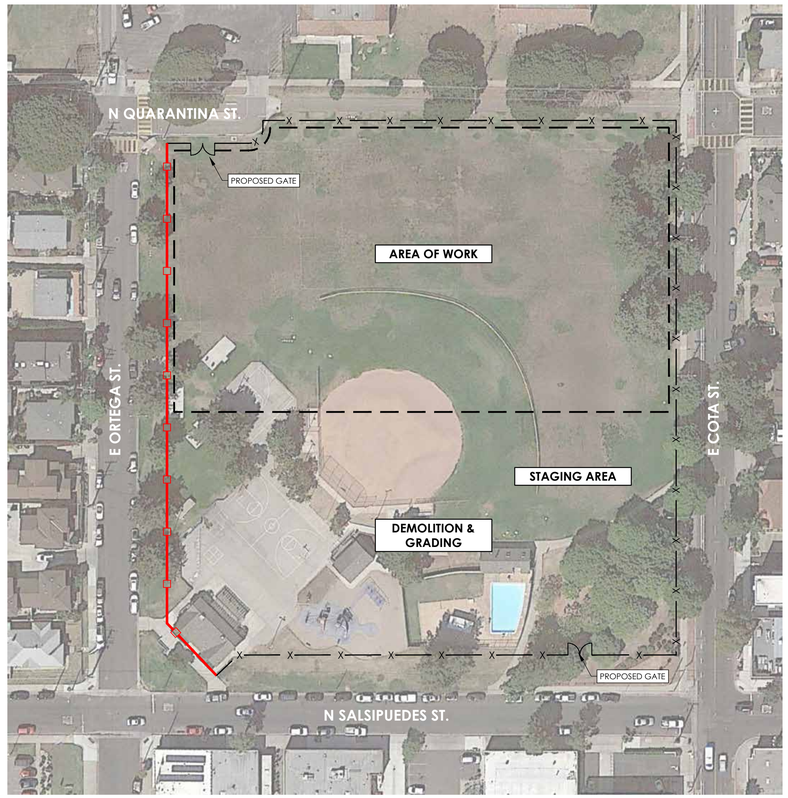
PHASE ONE
RIGHT-OF-WAY IMPROVEMENTS

DESCRIPTION: INSTALL PARKING AND SIDEWALKS ONLY. THESE IMPROVEMENTS CAN BE MADE WHILE STILL KEEPING THE EXISTING PARK AMENITIES OPERATING. IT WILL ALSO PROVIDE ADDITIONAL PARKING AND IMPROVE ACCESSIBILITY TO THE PARK.

CONSTRUCTION PARKING: DURING CONSTRUCTION THE BASKETBALL COURT CAN BE FENCED AND USED FOR CONSTRUCTION PARKING, JOB TRAILER, AND PORTABLE TOILETS

ESTIMATED CONSTRUCTION SCHEDULE: 4 MONTHS

NOISE REDUCTION MEASURES DURING CONSTRUCTION: NOISE GENERATING ACTIVITY WOULD BE LIMITED TO BETWEEN 8 AM AND 5 PM ON WEEK DAYS. CONSTRUCTION OF THE NEW PARKING AND SIDEWALK ALONG ORTEGA STREET WILL GENERATE NOISE CLOSEST TO RESIDENTIAL HOUSES. TO MITIGATE THE TEMPORARY CONSTRUCTION NOISE, A 6-FOOT-TALL CONSTRUCTION FENCE WITH SOUND REDUCTION BLANKETS OR PLYWOOD WILL BE INSTALLED ALONG THE 480 FOOT LENGTH OF PROPERTY ALONG ORTEGA STREET.



PHASE TWO
SPORTS FIELD, DEMOLITION & GRADING

DESCRIPTION: THIS PHASE WILL FOCUS ON ALL DEMOLITION AND GRADING OF THE WHOLE SITE. PRIOR TO THE START OF ANY CONSTRUCTION WORK THE FIVE CULTURALLY SIGNIFICANT MURALS SHALL BE REMOVED FROM THE SITE TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION, AND ALL MURALS ON-SITE WOULD BE DOCUMENTED. NO CONSTRUCTION EQUIPMENT, EXCEPT FOR WHAT IS REQUIRED FOR MURAL REMOVAL, WILL BE ON-SITE UNTIL THE MURALS ARE REMOVED; THEREFORE, NO CONSTRUCTION FENCING FOR THE MURALS IS PROPOSED. AFTER THE MURAL ARE REMOVED FROM THE SITE, THE GRADING SHALL TAKE PLACE. THIS WILL OCCURE WHEN SCHOOL IS NOT IN SESSION TO ALLOW FOR THE REMOVAL OF CONTAMINATED SOIL. AFTER THE SOILS IS REMOVED AND ROUGH GRADING IS COMPLETE, THE MULTI-SPORT SYNTHETIC TURF FIELD, FENCING, LIGHTING, AND HARDSCAPE WILL BE COMPLETED. PRIOR TO THE START OF PHASE 3, THE REMAINING SOUTH HALF OF THE PROPERTY WOULD BE SEEDED WITH GRASS TO MINIMIZE EROSION.

CONSTRUCTION PARKING: PARKING AND STAGING WILL TAKE PLACE ON THE SOUTHERN HALF OF THE PARCEL.

ESTIMATED CONSTRUCTION TIME: 8 MONTH (NOISE GENERATING ACTIVITY WOULD BE LIMITED TO BETWEEN 8 AM AND 5 PM ON WEEK DAYS) REMOVAL OF ALL CONTAMINATED SOILS WILL TAKE PLACE DURING THE SUMMER, WHEN THE ADJACENT JUNIOR HIGH IS CLOSED.

NOISE REDUCTION MEASURES DURING CONSTRUCTION: (NOISE GENERATING ACTIVITY WOULD BE LIMITED TO BETWEEN 8 AM AND 5 PM ON WEEK DAYS). A 6-FOOT-TALL CONSTRUCTION FENCE WITH SOUND REDUCTION BLANKETS OR PLYWOOD WILL BE INSTALLED ALONG THE 480 FOOT LENGTH OF PROPERTY ALONG ORTEGA STREET.



PHASE THREE
POOL FACILITY, BUILDINGS, SKATE PARK & COURTS

DESCRIPTION: THIS FINAL PHASE WILL FIRST FOCUS ON THE CORNER AREA AT ORTEGA AND SALSIPUEDES STREET. THIS INCLUDES THE RENOVATION OF THE WELCOME HOUSE, CONSTRUCTION OF THE POOL, AND ALL OTHER BUILDINGS. THE SKATE PARK WITH FOLLOW, ALONG WITH THE PLAYGROUND. THE BASKETBALL, BOCCE BALL, AND CORNHOLE COURT WOULD BE CONSTRUCTED LAST TO ALLOW FOR SPACE FOR THE PORTABLE TOILETS, JOB TRAILER, AND CONSTRUCTION STAGING AREA. PHASE 3 WOULD ALSO INCLUDE MURAL INSTALLATION OF THE FIVE CULTURALLY SIGNIFICANT MURALS PROPOSED FOR RELOCATION ON-SITE. AFTER THE PARK IS OPEN TO THE PUBLIC, THE MURAL IMPLEMENTATION PLAN WILL BE AN ONGOING EFFORT. A MINIMUM OF TWENTY (20) MURALS WILL BE INSTALLED ON-SITE, INCLUDING THE FIVE (5) RELOCATED MURALS, THREE (3) RECREATED MURALS, AND FOUR (4) RE-ENVISIONED MURALS, LEAVING OPPORTUNITIES FOR AT LEAST EIGHT (8) NEW MURALS ON-SITE.

CONSTRUCTION PARKING: DURING CONSTRUCTION THE PROPERTY CORNER AT E. COTA AND SALSIPUEDES STREET WILL BE DEVELOPED LAST TO PRESERVE AREA FOR CONSTRUCTION PARKING AND STAGING.

ESTIMATED CONSTRUCTION TIME: 14 MONTHS (NOISE GENERATING ACTIVITY WOULD BE LIMITED TO BETWEEN 8 AM AND 5 PM ON WEEK DAYS)

NOISE REDUCTION MEASURES DURING CONSTRUCTION: (NOISE GENERATING ACTIVITY WOULD BE LIMITED TO BETWEEN 8 AM AND 5 PM ON WEEK DAYS). A 6-FOOT-TALL CONSTRUCTION FENCE WITH SOUND REDUCTION BLANKETS OR PLYWOOD WILL BE INSTALLED ALONG THE AREA OF WORK ALONG ORTEGA STREET.

LEGEND

- AREA OF WORK/IMPROVEMENTS
- PROPOSED CONSTRUCTION FENCING
- CONSTRUCTION SOUND ABATEMENT FENCING

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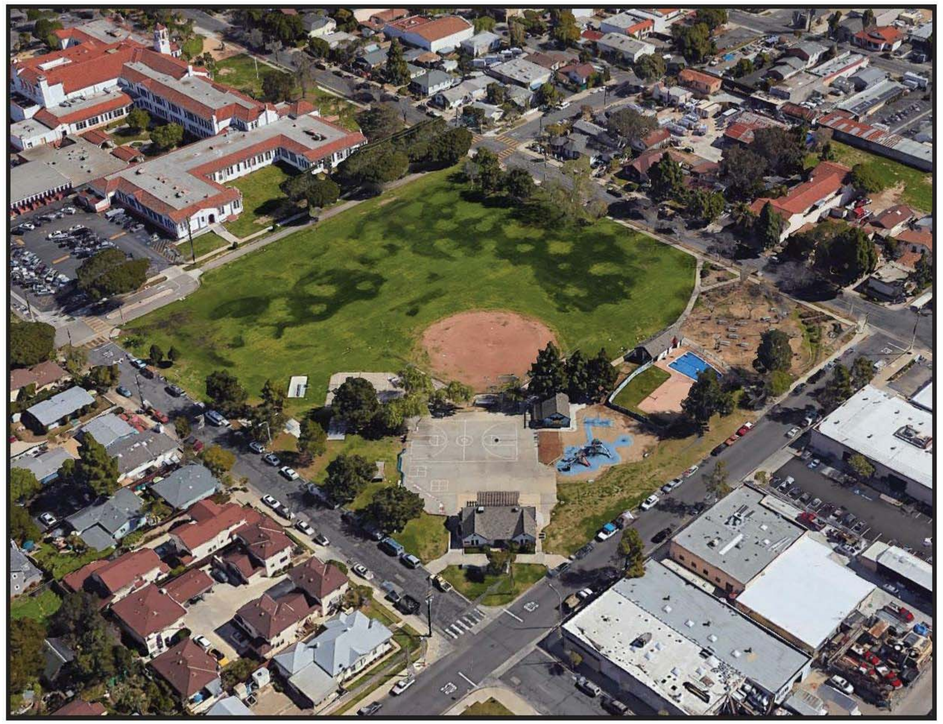
ORTEGA PARK
CONSTRUCTION PHASING PLAN

#1144-03-RC19
JULY 2020

D-2



FRONT VIEW - SALSIPUEDES & ORTEGA



AERIAL VIEW OF PARK

ORTEGA PARK

EXISTING SITE PHOTOS

#1144-03-RC19
JULY 2020

A-1



EXISTING WELCOME HOUSE MAIN ENTRANCE



EXISTING WELCOME HOUSE EAST ENTRANCE

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EXISTING BUILDING PHOTOS

#1144-03-RC19
JULY 2020

A-2



EXISTING WELCOME HOUSE SOUTH ELEVATION



EXISTING WELCOME HOUSE EAST ELEVATION

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EXISTING BUILDING PHOTOS

#1144-03-RC19
JULY 2020

A-3



EXISTING WELCOME HOUSE NORTH ELEVATION



EXISTING WELCOME HOUSE WEST ELEVATION

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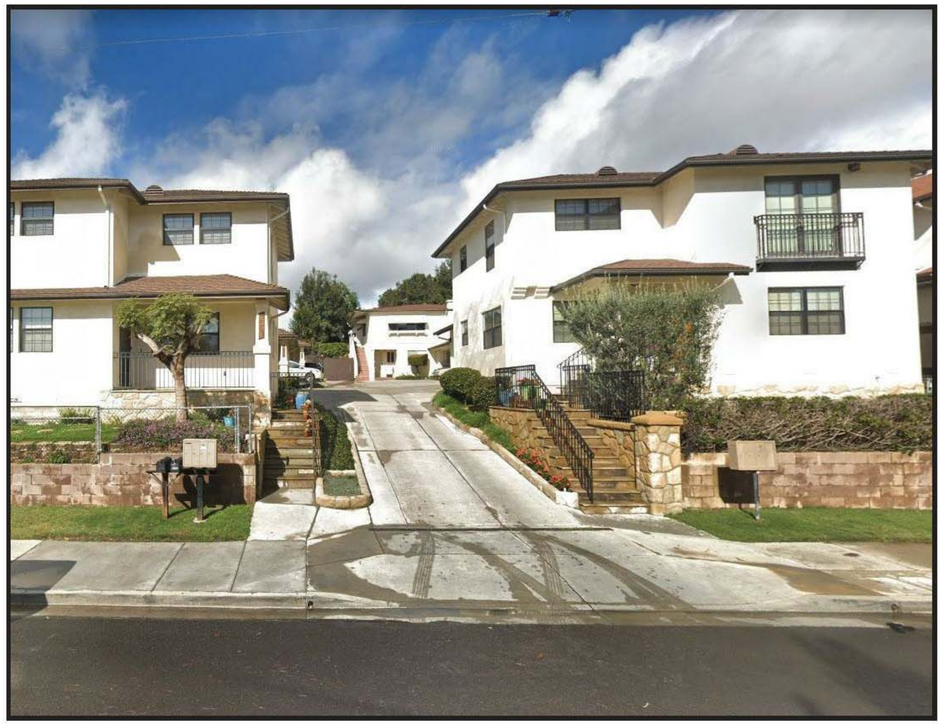
EXISTING BUILDING PHOTOS

#1144-03-RC19
JULY 2020

A-4



SURROUNDING NEIGHBORHOOD - EAST VIEW FROM N. QUARANTINA



SURROUNDING NEIGHBORHOOD - NORTH VIEW FROM ORTEGA

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SURROUNDING NEIGHBORHOOD

#1144-03-RC19
JULY 2020

A-5



SURROUNDING NEIGHBORHOOD - SOUTH VIEW FROM E. COTA



SURROUNDING NEIGHBORHOOD - WEST VIEW FROM N. SALSIPUEDES

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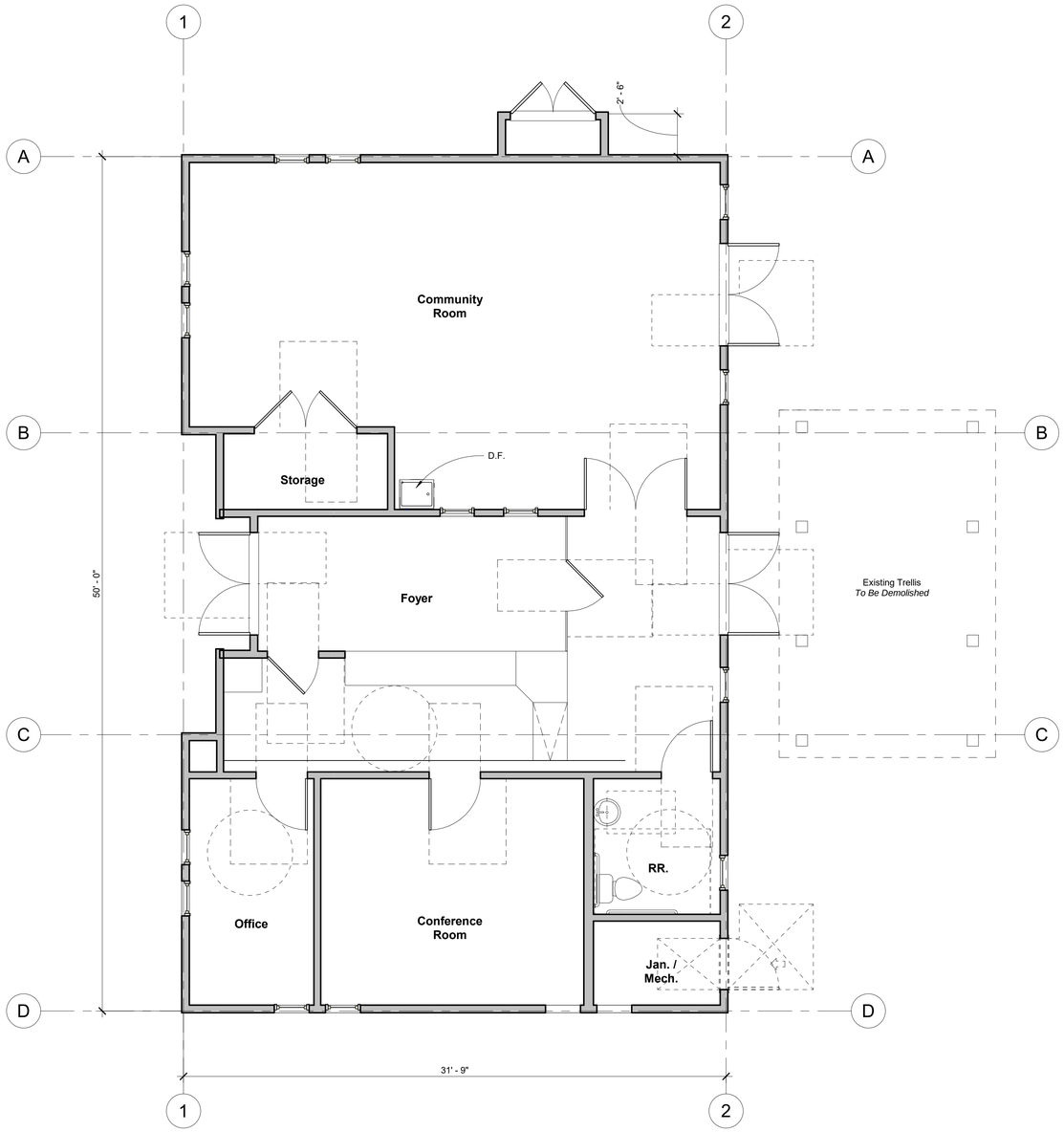
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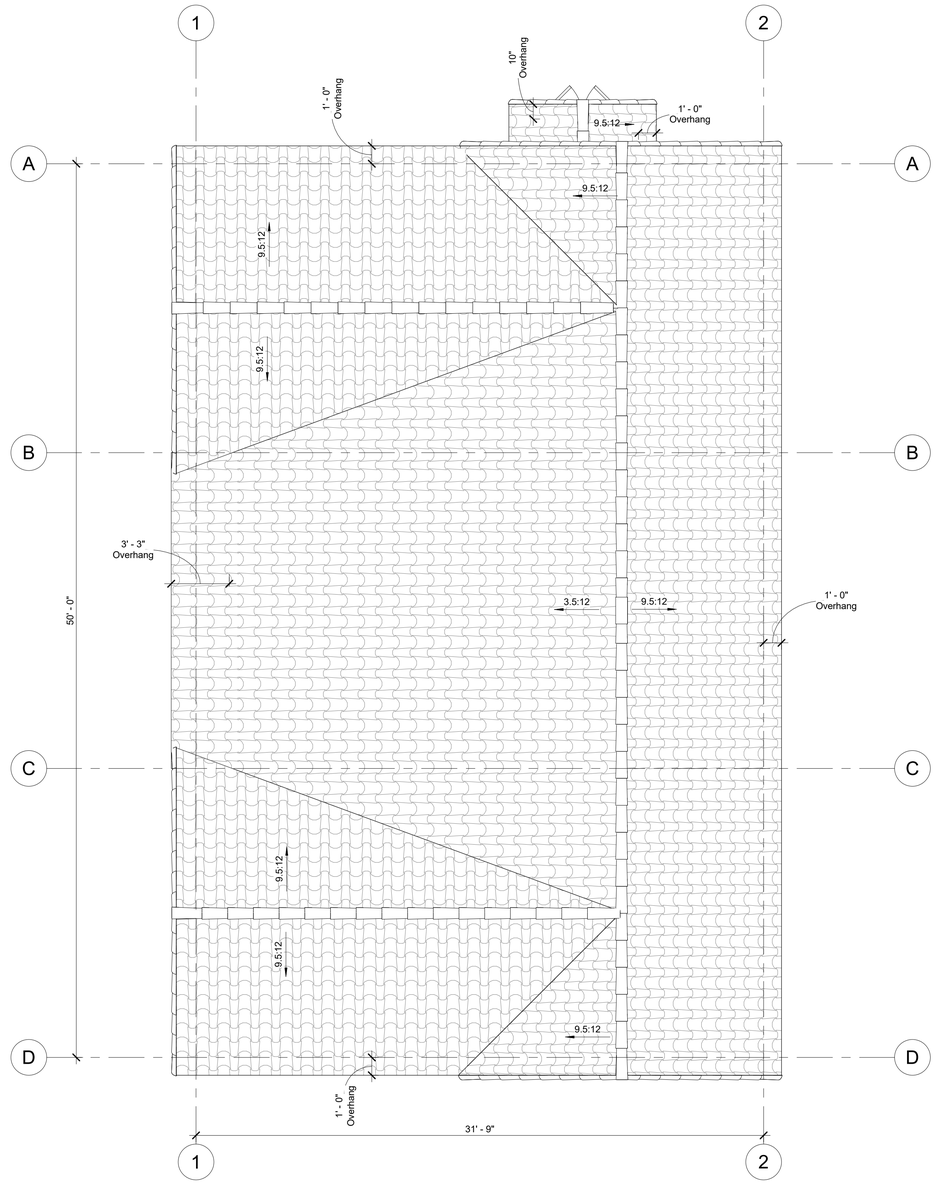
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SURROUNDING NEIGHBORHOOD



WELCOME HOUSE FLOOR PLAN

1/4" = 1'-0"



WELCOME HOUSE ROOF PLAN

1/4" = 1'-0"

Notes:

1. Automatic sprinkler system to be place, in accordance with NFPA standards. (SBMC Ch. 8.94, Sec 903.2.20.4)

ORTEGA PARK

WELCOME HOUSE FLOOR PLAN

#1144-03-RC19
JULY 2020

A-7



WELCOME HOUSE EAST ELEVATION

1/4" = 1'-0"



WELCOME HOUSE WEST ELEVATION

1/4" = 1'-0"

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ORTEGA PARK

WELCOME HOUSE ELEVATIONS

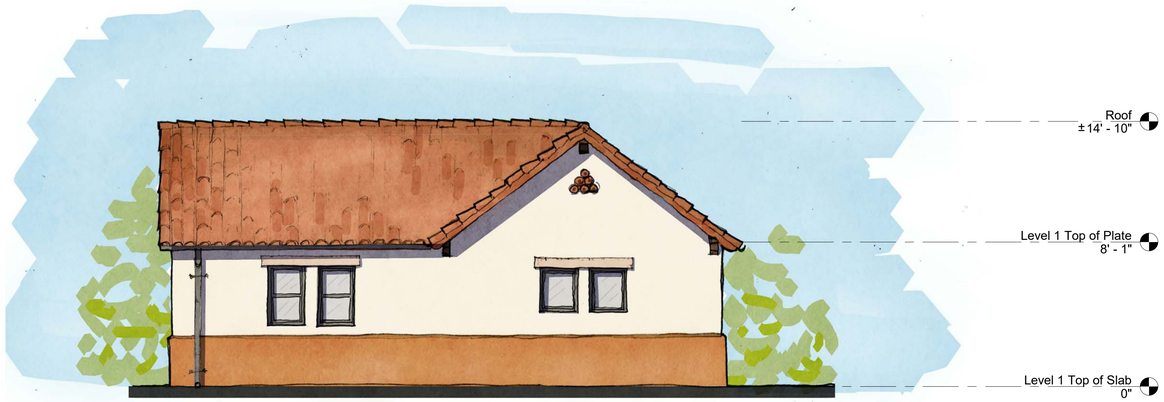
#1144-03-RC19
JULY 2020

A-8



WELCOME HOUSE NORTH ELEVATION

1/4" = 1'-0"



WELCOME HOUSE SOUTH ELEVATION

1/4" = 1'-0"

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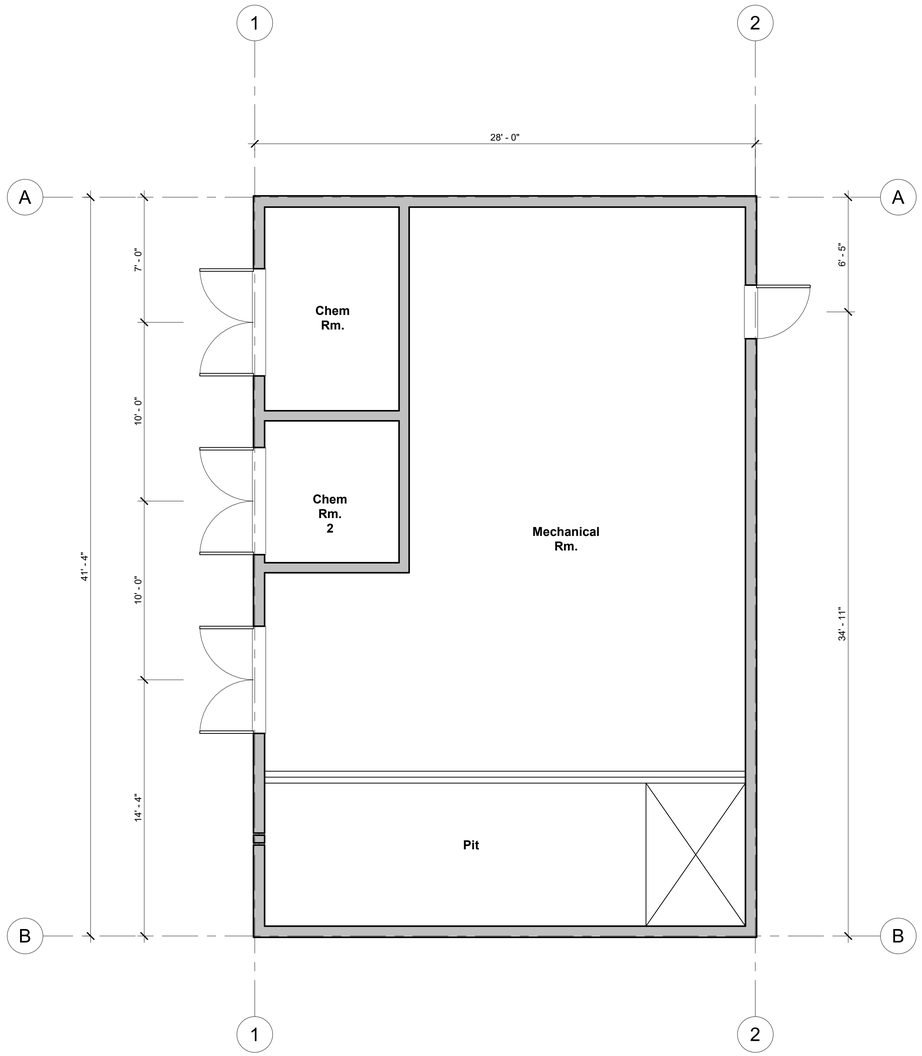
AQUATIC DESIGN GROUP

ORTEGA PARK

WELCOME HOUSE ELEVATIONS

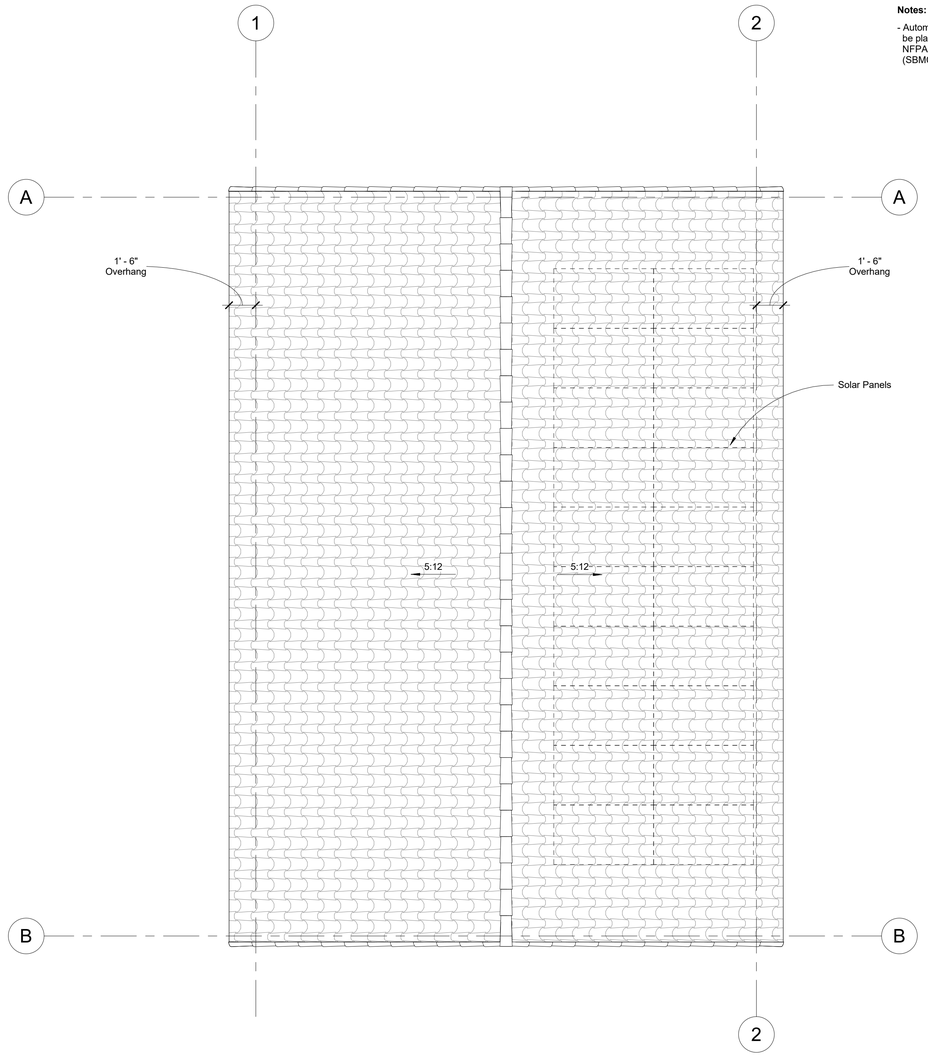
#1144-03-RC19
JULY 2020

A-9



POOL EQUIPMENT BUILDING FLOOR PLAN

1/4" = 1'-0"



POOL EQUIPMENT BUILDING ROOF PLAN

1/4" = 1'-0"

Notes:

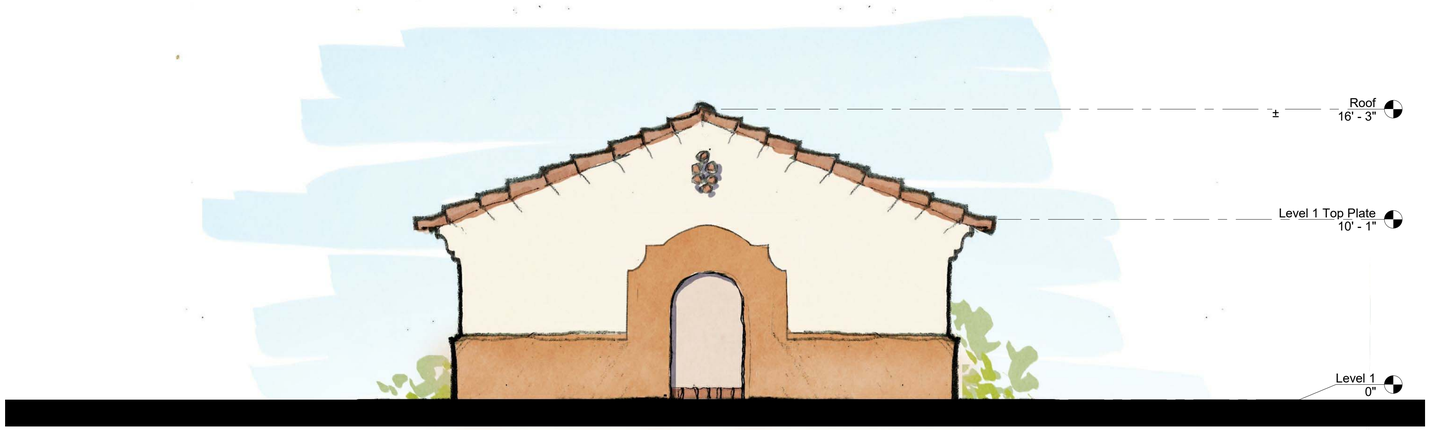
- Automatic sprinkler system to be place, in accordance with NFPA standards. (SBMC Ch. 8.94, Sec 903.2.20.4)

ORTEGA PARK

POOL EQUIPMENT BUILDING FLOOR PLAN

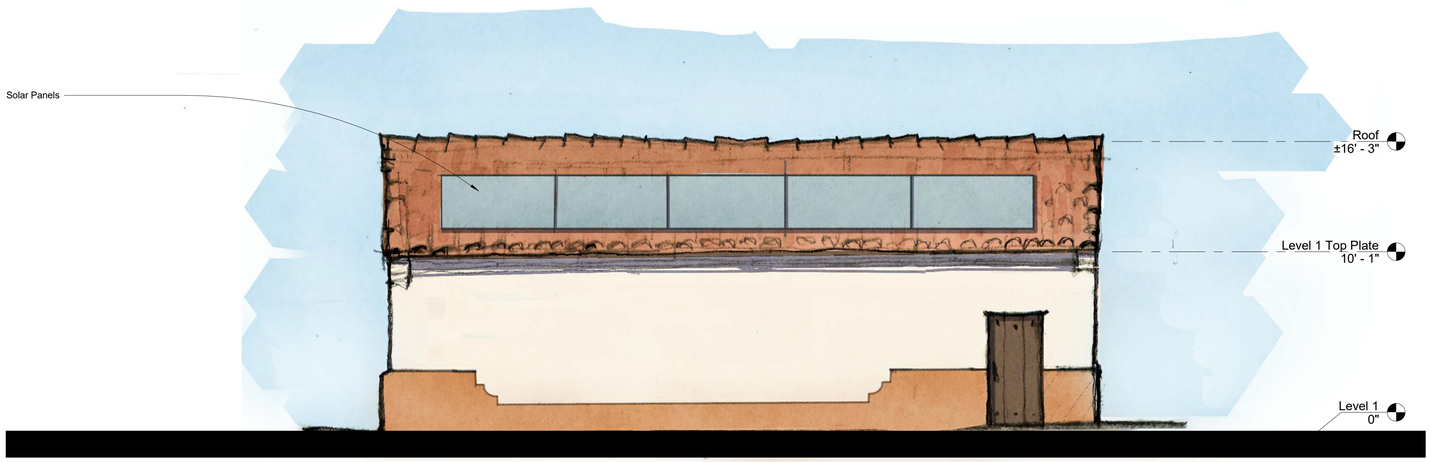
#1144-03-RC19
JULY 2020

A-10



POOL EQUIPMENT BUILDING WEST ELEVATION

1/4" = 1'-0"



POOL EQUIPMENT BUILDING SOUTH ELEVATION

1/4" = 1'-0"

Parks & Recreation

rrm design group

Wormhoudt INC

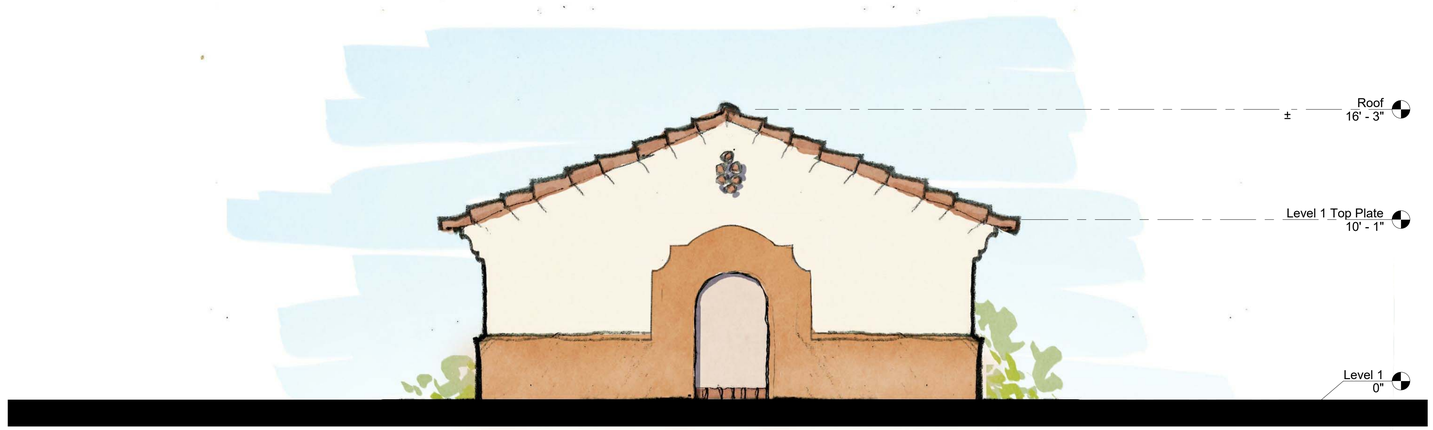
AQUATIC DESIGN GROUP

ORTEGA PARK

POOL EQUIPMENT BUILDING ELEVATIONS

#1144-03-RC19
JULY 2020

A-11



POOL EQUIPMENT BUILDING EAST ELEVATION

1/4" = 1'-0"



POOL EQUIPMENT BUILDING NORTH ELEVATION

1/4" = 1'-0"

Parks & Recreation

rrm design group

Wormhoudt INC

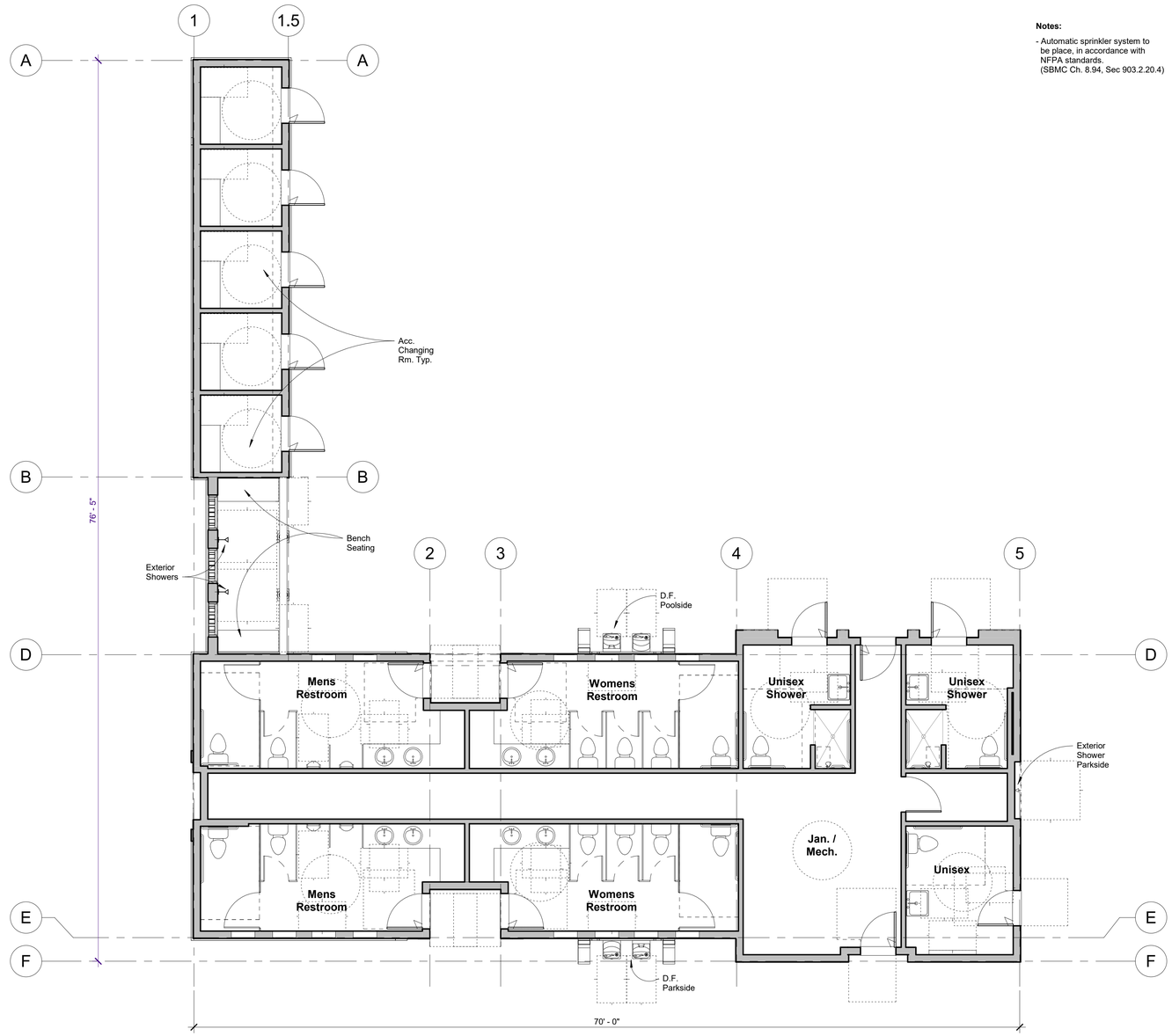
AQUATIC DESIGN GROUP

ORTEGA PARK

POOL EQUIPMENT BUILDING ELEVATIONS

#1144-03-RC19
JULY 2020

A-12



RESTROOM BUILDING FLOOR PLAN

3/16" = 1'-0"

Notes:

- Automatic sprinkler system to be place, in accordance with NFPA standards. (SBMC Ch. 8.94, Sec 903.2.20.4)

Parks & Recreation

rrm design group

Wormhoudt INC

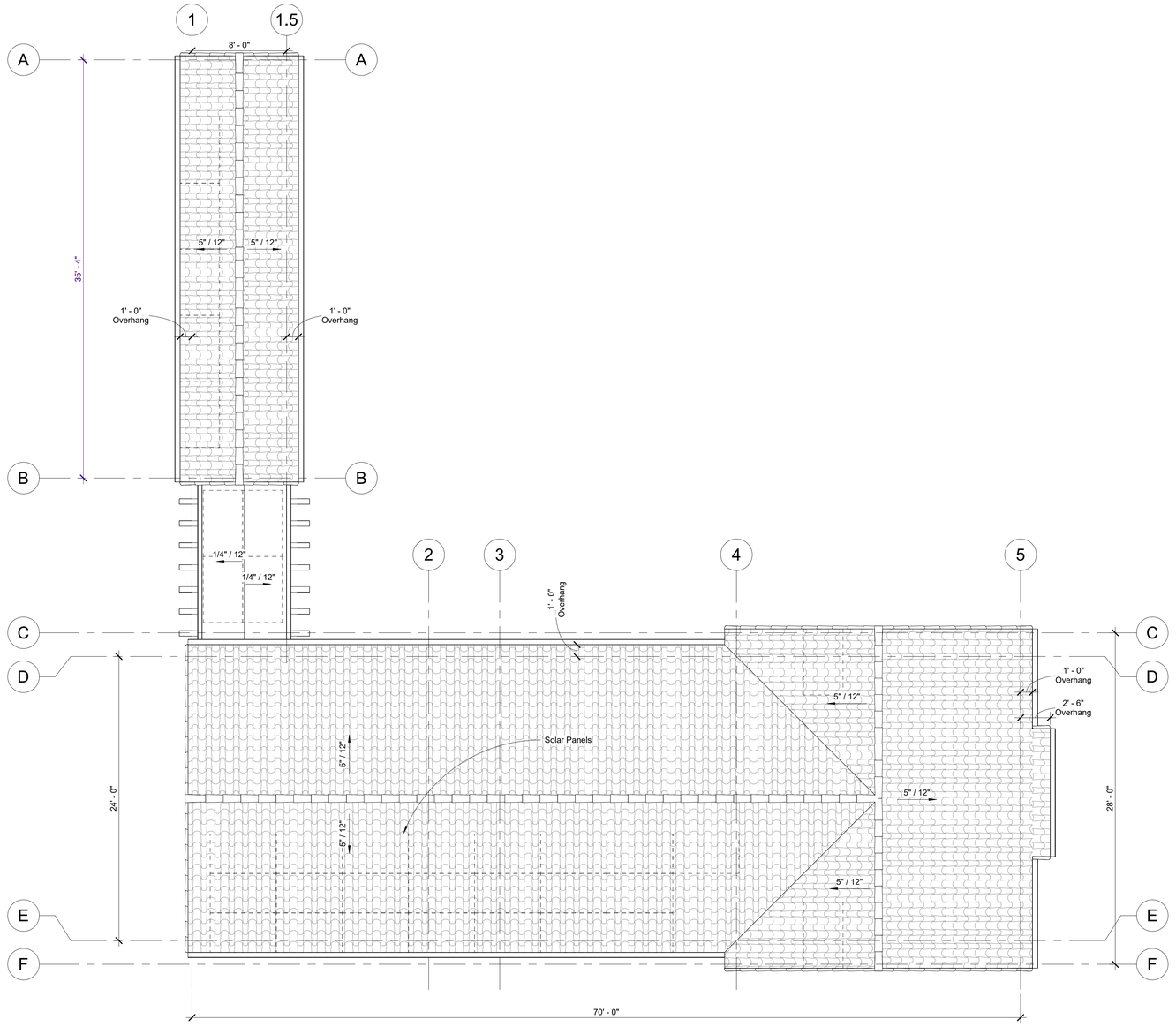
AQUATIC DESIGN GROUP

ORTEGA PARK

RESTROOM BUILDING FLOOR PLAN

#1144-03-RC19
JULY 2020

A-13



RESTROOM BUILDING ROOF PLAN

3/16" = 1'-0"

ORTEGA PARK

RESTROOM BUILDING ROOF PLAN

#1144-03-RC19
JULY 2020

A-14



RESTROOM BUILDING NORTH ELEVATION

1/4" = 1'-0"



RESTROOM BUILDING SOUTH ELEVATION

1/4" = 1'-0"

Parks & Recreation

rrm design group

Wormhoudt INC

AQUATIC DESIGN GROUP

ORTEGA PARK

RESTROOM BUILDING ELEVATIONS

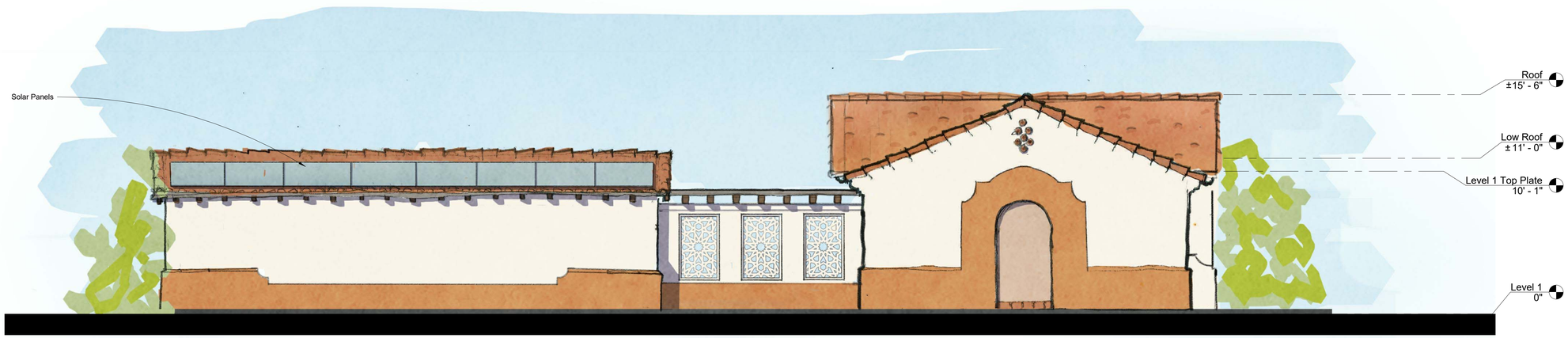
#1144-03-RC19
JULY 2020

A-15



RESTROOM BUILDING EAST ELEVATION

1/4" = 1'-0"



RESTROOM BUILDING WEST ELEVATION

1/4" = 1'-0"

Parks & Recreation

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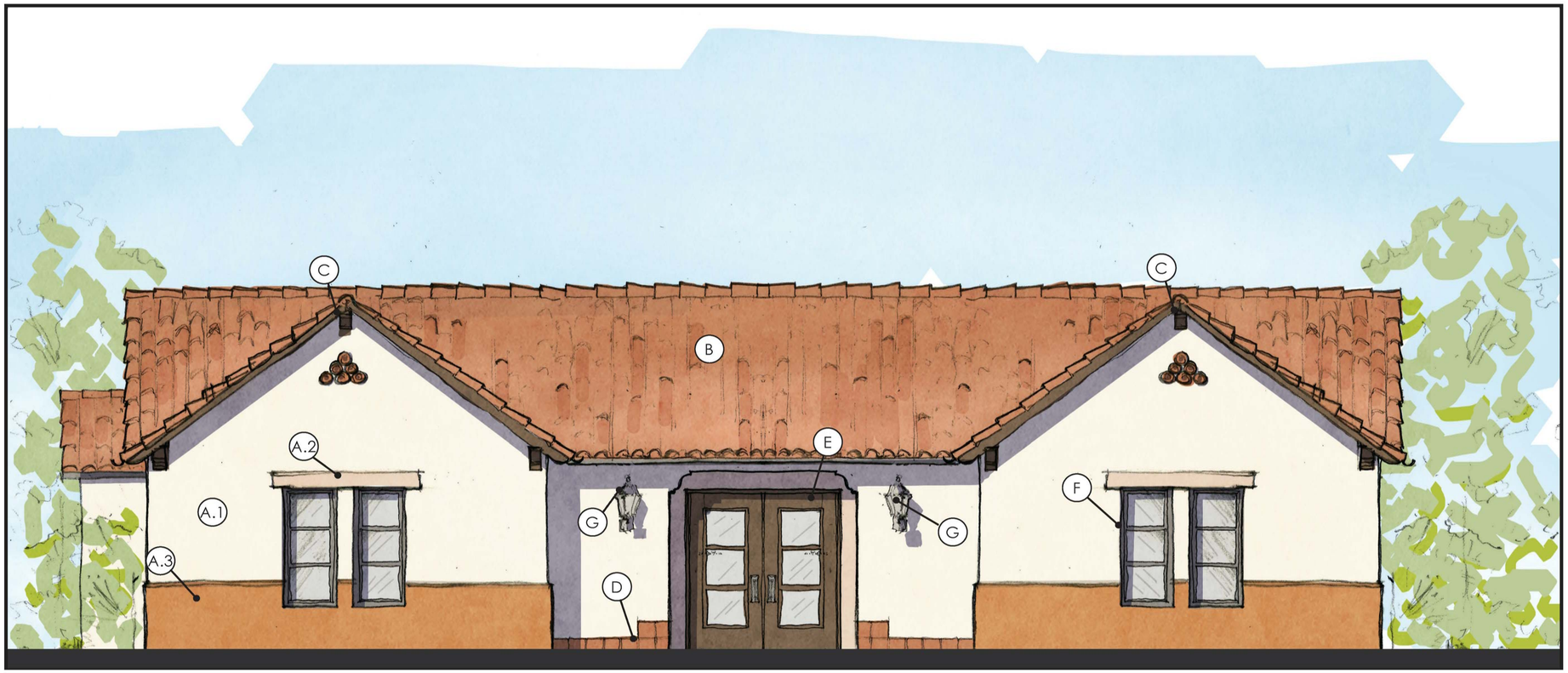
AQUATIC DESIGN GROUP

ORTEGA PARK

RESTROOM BUILDING ELEVATIONS

#1144-03-RC19
JULY 2020

A-16



A.1
A.2
A.3

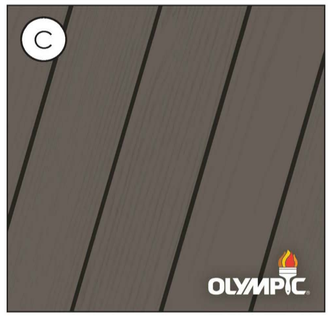
STUCCO: SANTA BARBARA
COLOR : A.1 LA HABRA EGGSHELL
A.2 DUNN EDWARDS 970
A.3 DUNN EDWARDS 763

B



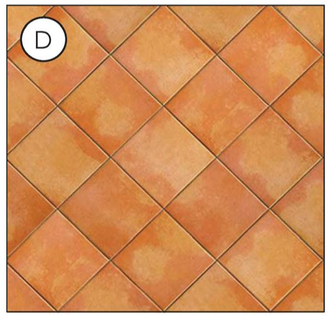
CLAY TILE ROOFING
REDLAND CLAY TILE: CAFE ANTIGUA

C



WOOD RAFTERS
OLYMPIC OXFORD BROWN

D



SALTILLO TILE
TERRACOTA

E

STEEL DOORS
COLOR : WEATHERED BROWN

F

WINDOW & FRAME
COLOR : METAL FRINGE

G



EXTERIOR LIGHT FIXTURES
HANDLEMEN
EMERSON 8" WALL

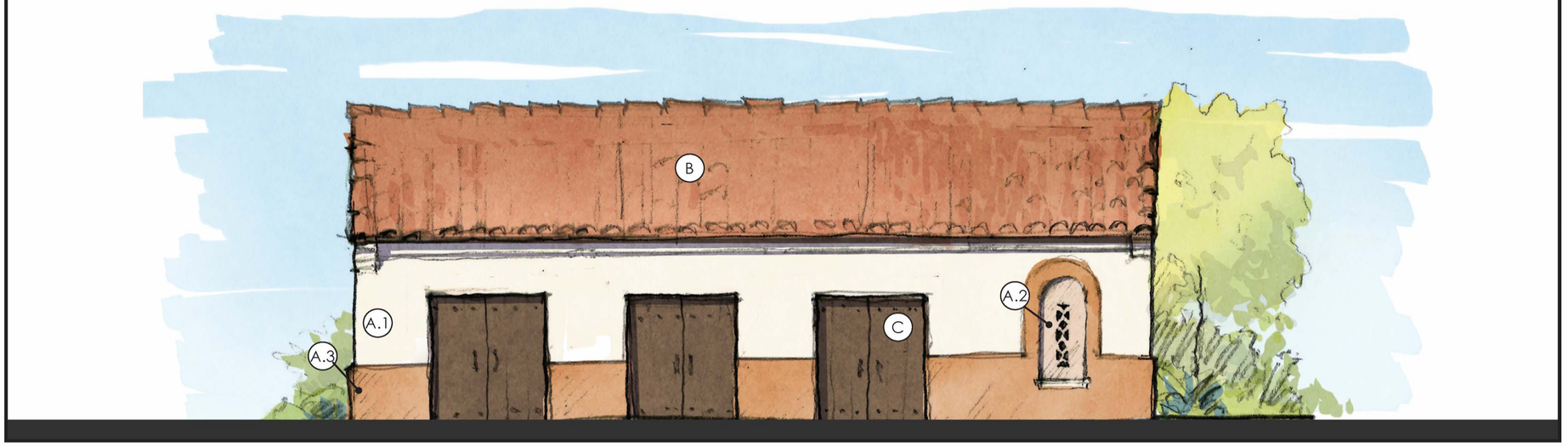
Parks & Recreation
rrm design group
Wormhoudt INC
AQUATIC DESIGN GROUP

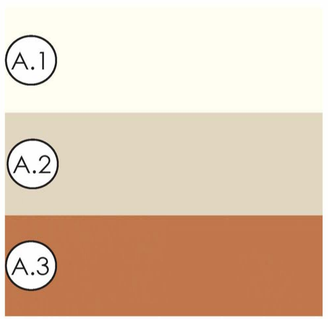
ORTEGA PARK

COLOR AND MATERIALS - WELCOME HOUSE

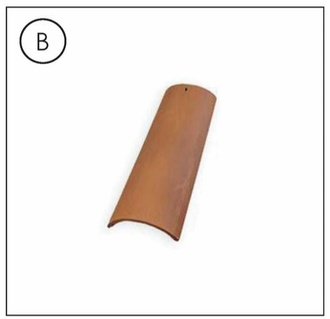
#1144-03-RC19
JULY 2020

A-17

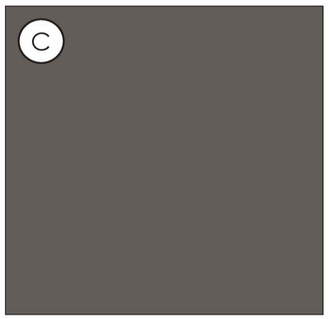




STUCCO: SANTA BARBARA
COLOR : A.1 LA HABRA EGGSHELL
A.2 DUNN EDWARDS 970
A.3 DUNN EDWARDS 763



CLAY TILE ROOFING
REDLAND CLAY TILE: CAFE ANTIGUA



STEEL DOORS
COLOR : WEATHERED BROWN

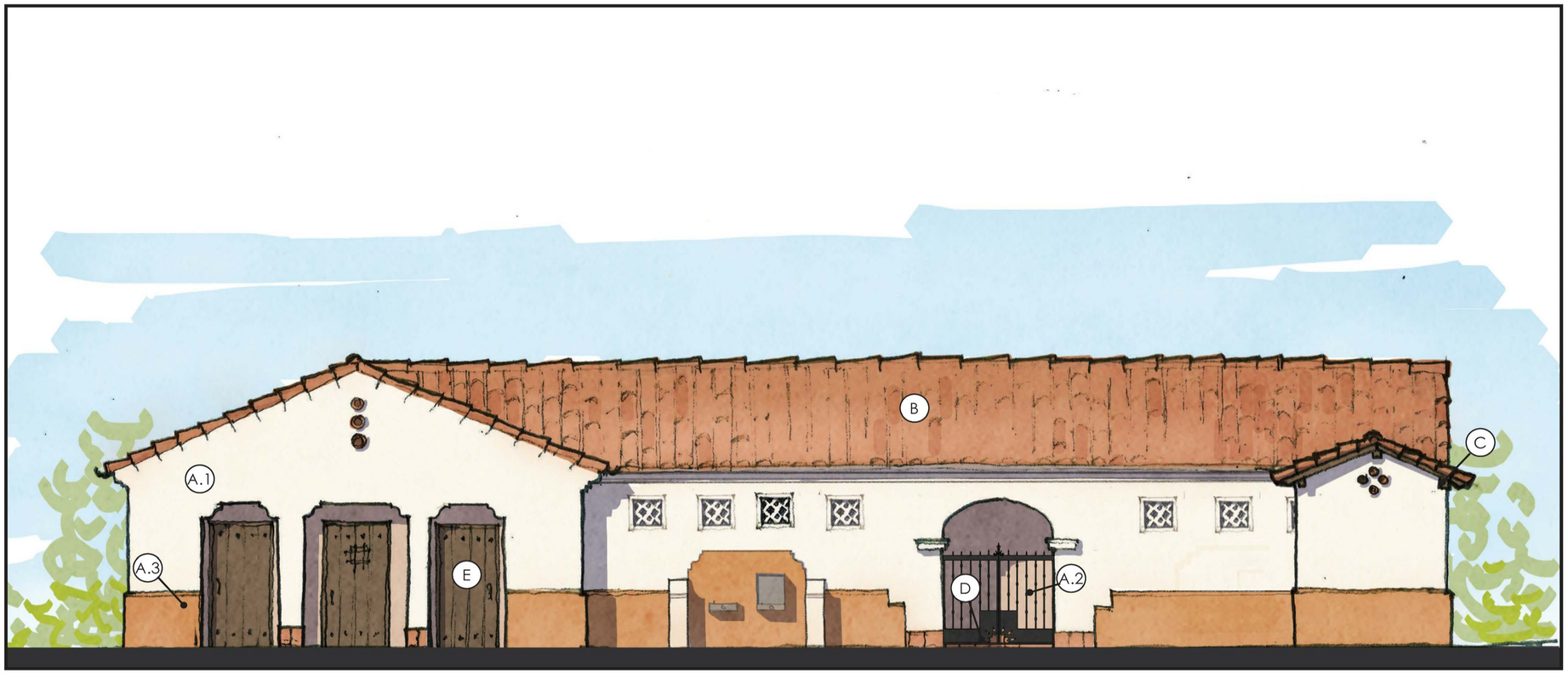
Parks & Recreation
rrm design group
Wormhoudt INC
AQUATIC DESIGN GROUP

ORTEGA PARK

COLOR AND MATERIALS - POOL EQUIPMENT BUILDING

#1144-03-RC19
JULY 2020

A-18



A.1
A.2
A.3

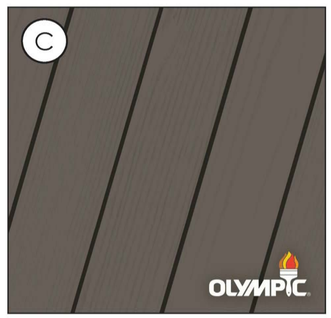
STUCCO: SANTA BARBARA
COLOR : A.1 LA HABRA EGGSHELL
A.2 DUNN EDWARDS 970
A.3 DUNN EDWARDS 763

B



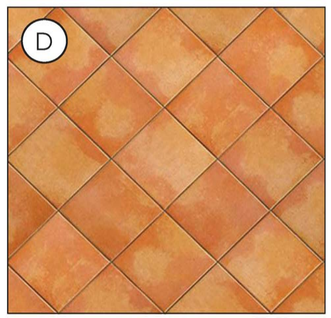
CLAY TILE ROOFING
REDLAND CLAY TILE: CAFE ANTIGUA

C



WOOD RAFTERS
OLYMPIC OXFORD BROWN

D



SALTILLO TILE
TERRACOTA

E

STEEL DOORS
COLOR : WEATHERED BROWN

DALTILE
COLOR : ATLANTIS
COLOR: NAVY
(AT SHOWER AREA)

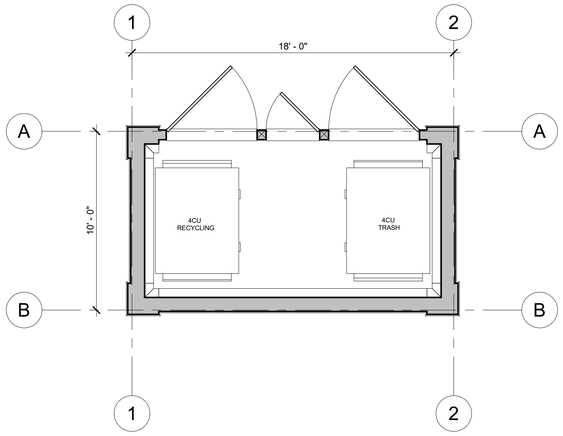
Parks & Recreation
rrm design group
Wormhoudt INC
AQUATIC DESIGN GROUP

ORTEGA PARK

COLOR AND MATERIALS - RESTROOM BUILDING

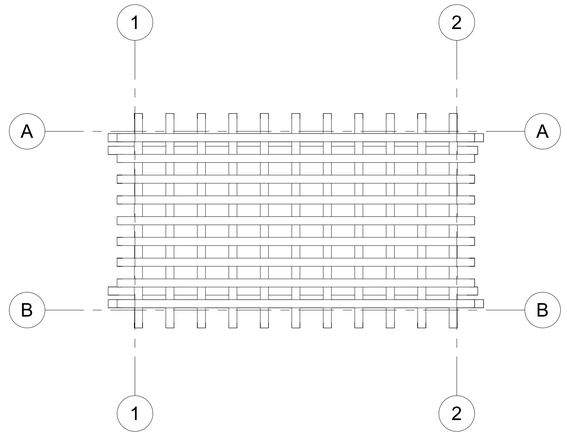
#1144-03-RC19
JULY 2020

A-19



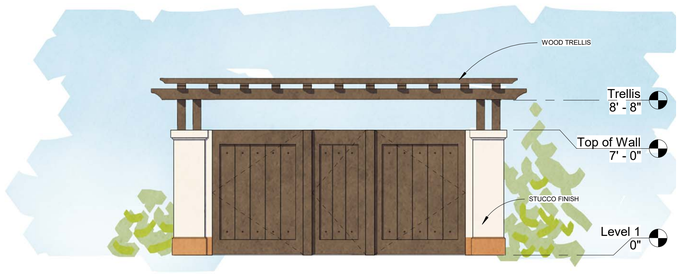
PLAN VIEW

1/4" = 1'-0"



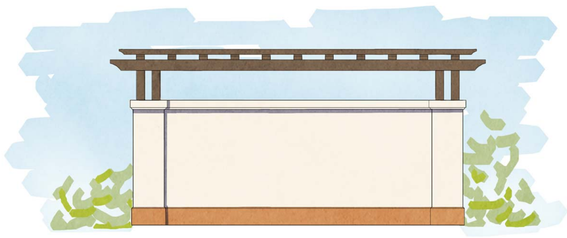
TRELLIS PLAN VIEW

1/4" = 1'-0"



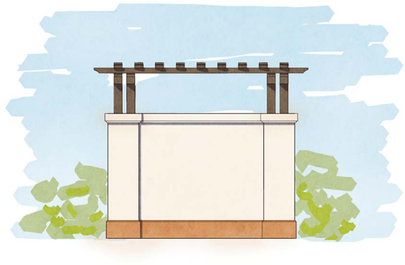
EAST ELEVATION

1/4" = 1'-0"



WEST ELEVATION

1/4" = 1'-0"



NORTH ELEVATION

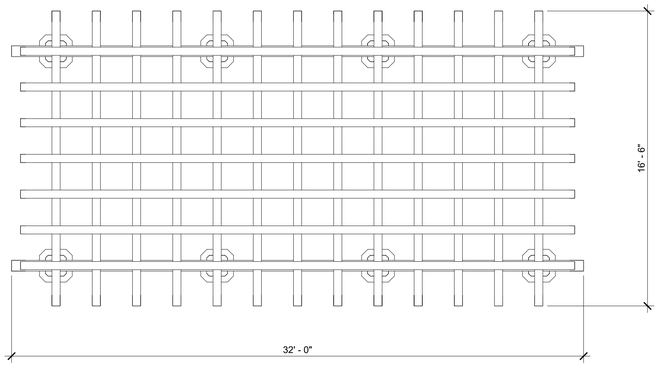
1/4" = 1'-0"

ORTEGA PARK

TRASH ENCLOSURE PLANS AND ELEVATIONS

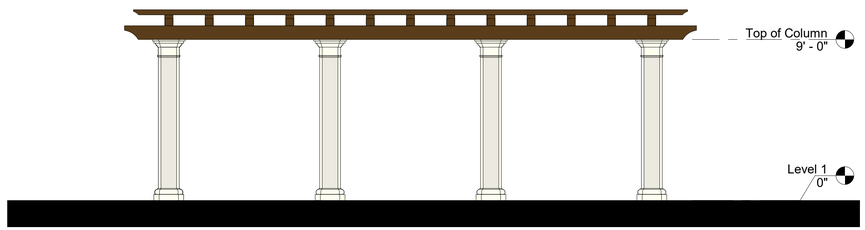
1144-03-RC19
24 June 2020

A-20



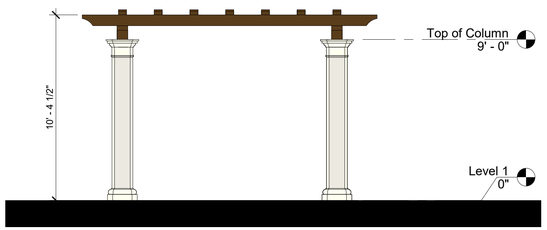
PLAN VIEW TRELLIS

1/4" = 1'-0"



West Elevation

1/4" = 1'-0"



East Elevation

1/4" = 1'-0"

ORTEGA PARK

TRELLIS SHADE STRUCTURE FLOOR PLAN AND ELEVATIONS

#1144-03-RC19
24 June 2020

A-21

Ortega Park

Santa Barbara, CA

Lighting System

Pole / Fixture Summary

Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
A1	70'	70'	4	TLC-LED-900	3.56 kW	C
BB1-BB2	40'	40'	2	TLC-LED-400	0.80 kW	C
S1	60'	60'	1	TLC-LED-1200	1.17 kW	A
		60'	1	TLC-LED-600	0.58 kW	A
		60'	3	TLC-LED-900	2.67 kW	A
S2	60'	60'	1	TLC-LED-1200	1.17 kW	B
		60'	1	TLC-LED-600	0.58 kW	B
		60'	3	TLC-LED-900	2.67 kW	B
S3	70'	70'	3	TLC-LED-1200	3.51 kW	B
		70'	3	TLC-LED-1500	4.29 kW	B
S4	70'	70'	4	TLC-LED-1200	4.68 kW	A
		70'	2	TLC-LED-900	1.78 kW	A
S5	60'	60'	4	TLC-LED-900	3.56 kW	B
8			***34***		***31.82 kW***	

Circuit Summary

Circuit	Description	Load	Fixture Qty
A	Soccer	10.88 kW	11
B	Soccer/Softball	15.78 kW	15
C	Baseball Infield	5.16 kW	8

Fixture Type Summary

Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-LED-900	LED 5700K - 75 CRI	890W	89,600	>120,000	>120,000	>120,000	16
TLC-LED-1500	LED 5700K - 75 CRI	1430W	160,000	>120,000	>120,000	>120,000	3
TLC-LED-400	LED 5700K - 75 CRI	400W	46,500	>120,000	>120,000	>120,000	4
TLC-LED-600	LED 5700K - 75 CRI	580W	65,600	>120,000	>120,000	>120,000	2
TLC-LED-1200	LED 5700K - 75 CRI	1170W	136,000	>120,000	>120,000	>120,000	9

Light Level Summary

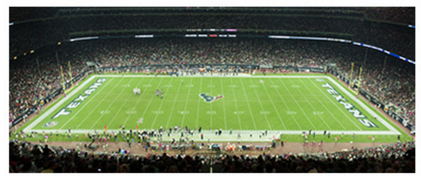
Calculation Grid Summary

Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Basketball	Horizontal Illuminance	32.3	24.1	43.3	1.80	1.34	C	8
Soccer	Horizontal Illuminance	32.8	22.3	40.6	1.82	1.47	A,B	26
Softball (Infield)	Horizontal Illuminance	55.4	38.6	70.6	1.83	1.44	B,C	23
Softball (Outfield)	Horizontal Illuminance	32.2	19.6	46.5	2.37	1.64	B,C	23
Spill/Glare - Residential	Horizontal Illuminance	0.02	0	0.09	0.00		A,B,C,D	34
Spill/Glare - Residential	Max Candela Metric	1074	0.66	7648	11590.66	1626.52	A,B,C,D	34
Spill/Glare - Residential	Max Vertical Illuminance Metric	0.04	0	0.17	0.00		A,B,C,D	34

From Hometown to Professional









ENGINEERED DESIGN By: • File #201823B • 30-Apr-20

Parks & Recreation

rrm design group

Wormhoudt INC

AQUATIC DESIGN GROUP

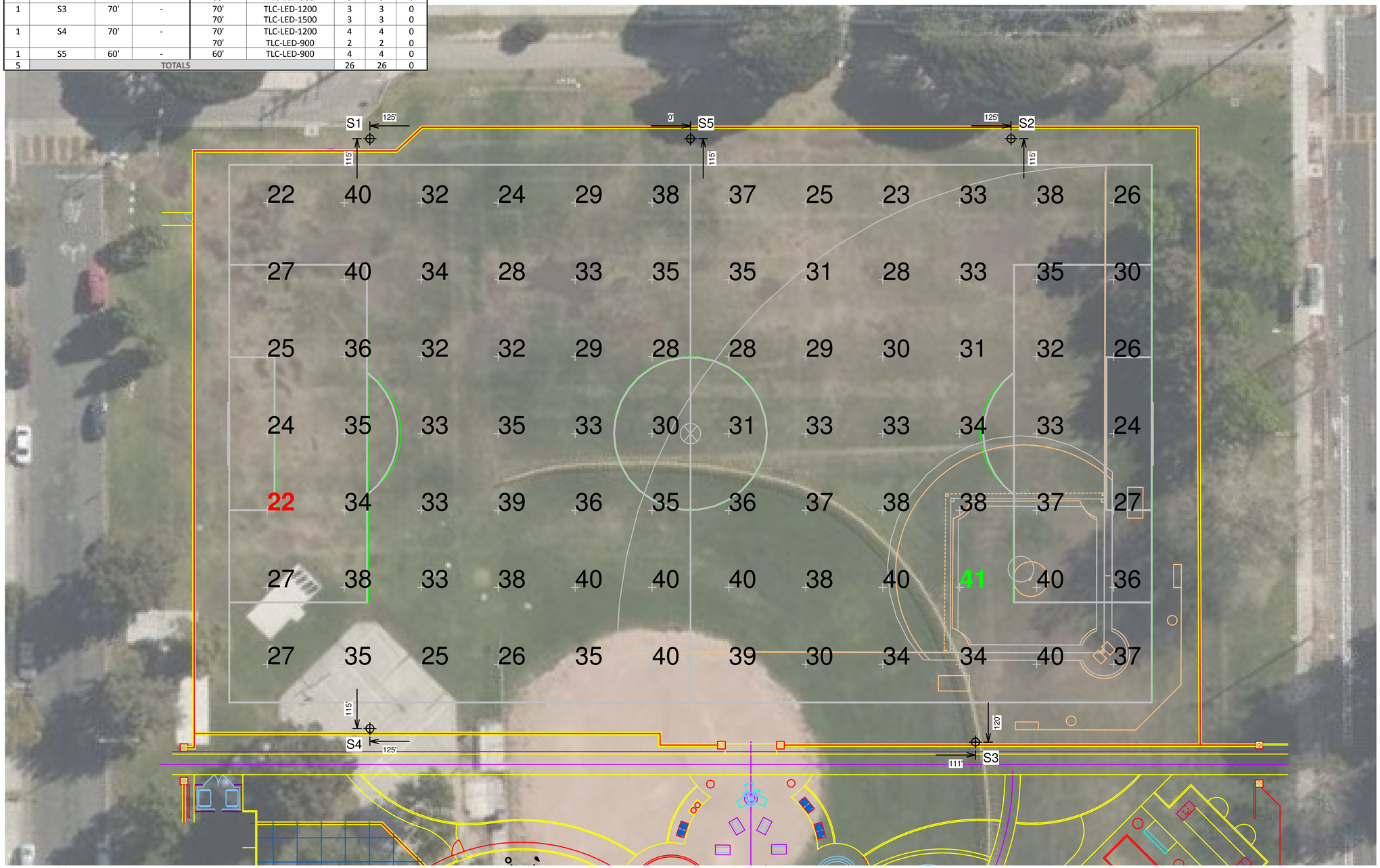
ORTEGA PARK
PHOTOMETRICS PLAN SUMMARY

We Make It Happen.

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EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	S1	60'	-	60'	TLC-LED-600	1	1	0
				60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	3	3	0
1	S2	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-600	1	1	0
				60'	TLC-LED-900	3	3	0
1	S3	70'	-	70'	TLC-LED-1200	3	3	0
				70'	TLC-LED-1500	3	3	0
1	S4	70'	-	70'	TLC-LED-1200	4	4	0
				70'	TLC-LED-900	2	2	0
1	S5	60'	-	60'	TLC-LED-900	4	4	0
5	TOTALS					26	26	0



SCALE IN FEET 1 : 40

0' 40' 80'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Ortega Park

Santa Barbara, CA

GRID SUMMARY

Name:	**Soccer**
Size:	360' x 210'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**30**
Scan Average:	32.8
Maximum:	40.6
Minimum:	22.3
Avg / Min:	1.47
Guaranteed Max / Min:	**2**
Max / Min:	1.82
UG (adjacent pts):	1.76
CU:	0.86
No. of Points:	84

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	89,600 / 160,000 / 65,600 / 136,000 lumens
No. of Luminaires:	**26**
Total Load:	26.66 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-LED-900	>120,000	>120,000	>120,000
TLC-LED-1500	>120,000	>120,000	>120,000
TLC-LED-600	>120,000	>120,000	>120,000
TLC-LED-1200	>120,000	>120,000	>120,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

musco Lighting
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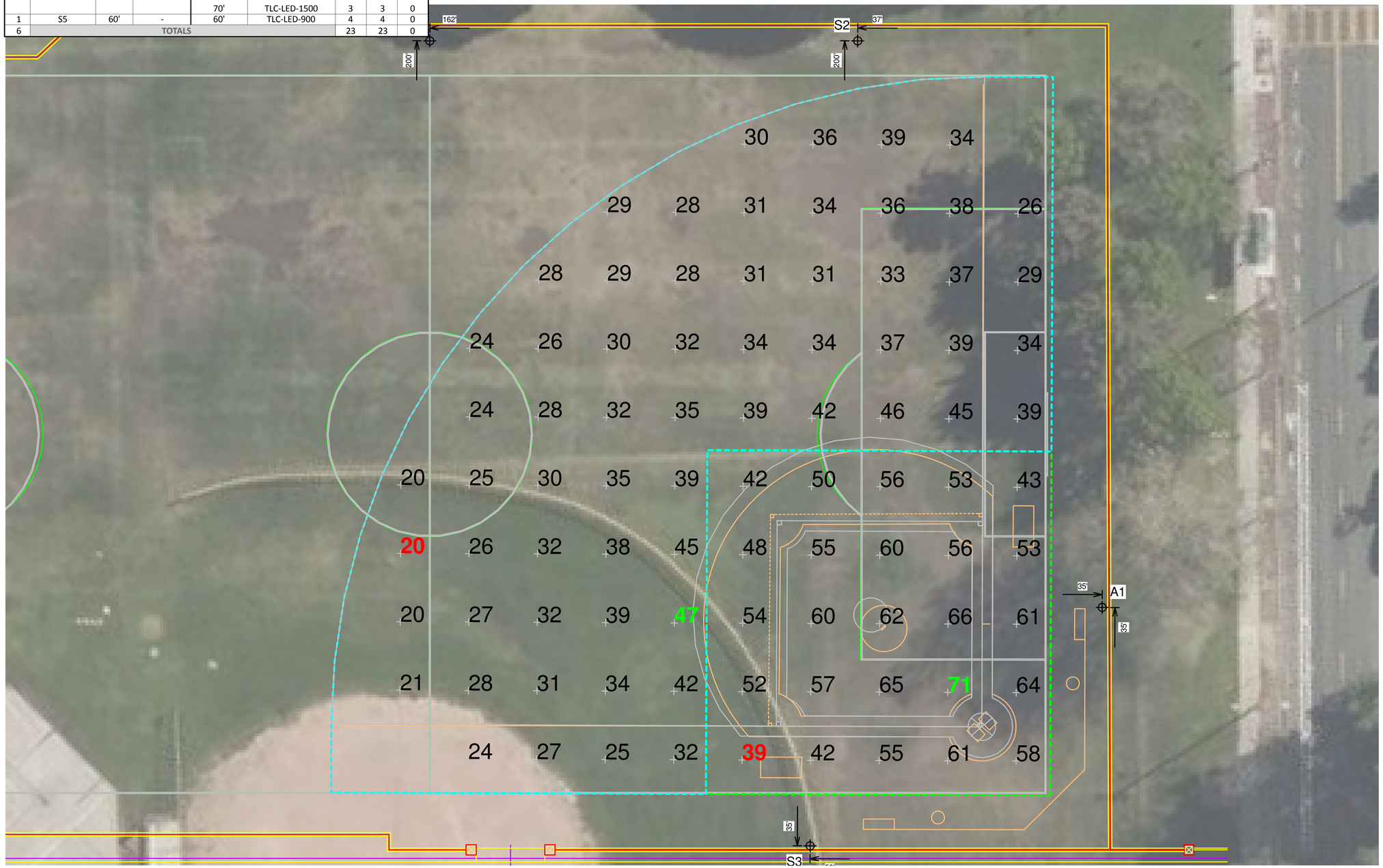
ENGINEERED DESIGN By: • File #201823B • 30-Apr-20

Parks & Recreation · rrm design group · Wormhoudt INC · AQUATIC DESIGN GROUP

ORTEGA PARK
PHOTOMETRICS PLAN - FULL ATHLETIC FIELD ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A1	70'	-	70'	TLC-LED-900	4	4	0
2	BB1, BB2	40'	-	40'	TLC-LED-400	2	2	0
1	S2	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-600	1	1	0
				60'	TLC-LED-900	3	3	0
1	S3	70'	-	70'	TLC-LED-1200	3	3	0
				70'	TLC-LED-1500	3	3	0
1	S5	60'	-	60'	TLC-LED-900	4	4	0
6	TOTALS					23	23	0



SCALE IN FEET 1 : 30

0' 30' 60'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Ortega Park

Santa Barbara, CA

GRID SUMMARY

Name:	**Softball**
Size:	190'/190'/190' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	55.4	32.2
Maximum:	70.6	46.5
Minimum:	38.6	19.6
Avg / Min:	1.44	1.64
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.83	2.37
UG (adjacent pts):	1.36	1.49
CU:	0.59	
No. of Points:	25	61

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	89,600 / 160,000 / 46,500 / 136,000 / 65,600
No. of Luminaires:	**23**
Total Load:	20.94 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-LED-900	>120,000	>120,000	>120,000
TLC-LED-1500	>120,000	>120,000	>120,000
TLC-LED-400	>120,000	>120,000	>120,000
TLC-LED-1200	>120,000	>120,000	>120,000
TLC-LED-600	>120,000	>120,000	>120,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

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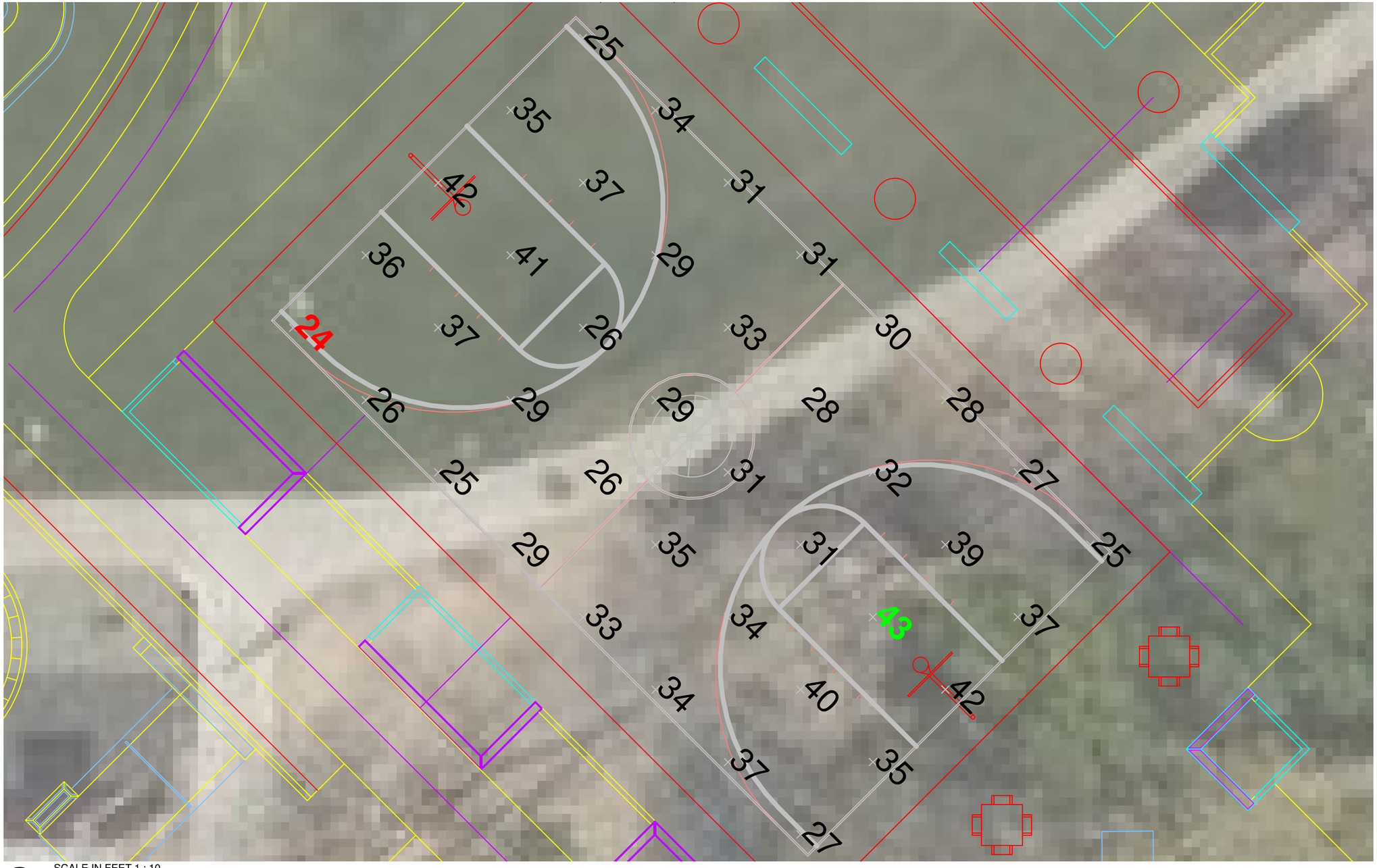
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ORTEGA PARK

PHOTOMETRICS PLAN - BASEBALL FIELD ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A1	70'	-	70'	TLC-LED-900	4	4	0
2	BB1, BB2	40'	-	40'	TLC-LED-400	2	2	0
3	TOTALS					8	8	0



SCALE IN FEET 1 : 10

0' 20' 40'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Ortega Park

Santa Barbara, CA

GRID SUMMARY

Name:	**Basketball**
Size:	74' x 42'
Spacing:	10.0' x 10.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**30**
Scan Average:	32.3
Maximum:	43.3
Minimum:	24.1
Avg / Min:	1.34
Guaranteed Max / Min:	**2**
Max / Min:	1.80
UG (adjacent pts):	1.56
CU:	0.23
No. of Points:	40

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	89,600 / 46,500 lumens
No. of Luminaires:	**8**
Total Load:	5.16 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-LED-900	>120,000	>120,000	>120,000
TLC-LED-400	>120,000	>120,000	>120,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

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ORTEGA PARK

PHOTOMETRICS PLAN - BASKETBALL COURT ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A1	70'	-	70'	TLC-LED-900	4	4	0
2	BB1, BB2	40'	-	40'	TLC-LED-400	2	2	0
1	S1	60'	-	60'	TLC-LED-600	1	1	0
				60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	3	3	0
1	S2	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-600	1	1	0
				60'	TLC-LED-900	3	3	0
1	S3	70'	-	70'	TLC-LED-1200	3	3	0
				70'	TLC-LED-1500	3	3	0
1	S4	70'	-	70'	TLC-LED-1200	4	4	0
				70'	TLC-LED-900	2	2	0
1	S5	60'	-	60'	TLC-LED-900	4	4	0
8	TOTALS					34	34	0



SCALE IN FEET 1 : 100

0' 100' 200'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Ortega Park

Santa Barbara, CA

GRID SUMMARY

Name:	**Spill/Glare - Residential**
Spacing:	30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

HORIZONTAL FOOTCANDLES

	Entire Grid
Scan Average:	**0.017**
Maximum:	0.089
Minimum:	0.000
No. of Points:	76

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	89,600 / 160,000 / 46,500 / 65,600 / 136,000
No. of Luminaires:	**34**
Total Load:	31.82 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-LED-900	>120,000	>120,000	>120,000
TLC-LED-1500	>120,000	>120,000	>120,000
TLC-LED-400	>120,000	>120,000	>120,000
TLC-LED-600	>120,000	>120,000	>120,000
TLC-LED-1200	>120,000	>120,000	>120,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

THIS SHEET PROVIDES AN ANALYSIS OF LIGHT EMISSION AND SPILLOVER ILLUMINANCE LEVELS FOR THE PROPOSED LIGHTING SYSTEM MEASURED IN HORIZONTAL FOOTCANDLES.

These calculations demonstrate that where adjacent to residential uses, such as Ortega Street, illuminance does not exceed the maximum 0.1 footcandle per Lighting Design Guidlines. In areas adjacent to commercial uses, such as Salsipuedes Street, illuminance does not exceed 0.2 footcandle at 10' beyond the property line. **The illumination levels provided in the current design are compatible with the adjacent residential use and light trespass/glare levels are below the maximum allowable output.**

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ORTEGA PARK

PHOTOMETRICS PLAN - FULL SITE ILLUMINATION SUMMARY (LIGHT TRESPASS)

#1144-03-RC19
JULY 2020

Ortega Park

Santa Barbara, CA

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A1	70'	-	70'	TLC-LED-900	4	4	0
2	BB1, BB2	40'	-	40'	TLC-LED-400	2	2	0
1	S1	60'	-	60'	TLC-LED-600	1	1	0
				60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	3	3	0
1	S2	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-600	1	1	0
				60'	TLC-LED-900	3	3	0
1	S3	70'	-	70'	TLC-LED-1200	3	3	0
				70'	TLC-LED-1500	3	3	0
1	S4	70'	-	70'	TLC-LED-1200	4	4	0
				70'	TLC-LED-900	2	2	0
1	S5	60'	-	60'	TLC-LED-900	4	4	0
8	TOTALS					34	34	0



SCALE IN FEET 1 : 100

0' 100' 200'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

GRID SUMMARY

Name:	**Spill/Glare - Residential**
Spacing:	30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAX VERTICAL FOOTCANDLES

	Entire Grid
Scan Average:	**0.038**
Maximum:	0.167
Minimum:	0.000
No. of Points:	76

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	89,600 / 160,000 / 46,500 / 65,600 / 136,000
No. of Luminaires:	**34**
Total Load:	31.82 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-LED-900	>120,000	>120,000	>120,000
TLC-LED-1500	>120,000	>120,000	>120,000
TLC-LED-400	>120,000	>120,000	>120,000
TLC-LED-600	>120,000	>120,000	>120,000
TLC-LED-1200	>120,000	>120,000	>120,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

THIS SHEET PROVIDES AN ANALYSIS OF LIGHT EMISSION AND SPILLOVER ILLUMINANCE LEVELS FOR THE PROPOSED LIGHTING SYSTEM MEASURED IN MAXIMUM VERTICAL FOOTCANDLES, OR THE AMOUNT OF LIGHT CAST UPON A VERTICAL SURFACE.

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ORTEGA PARK

PHOTOMETRICS PLAN - FULL SITE ILLUMINATION SUMMARY (LIGHT TRESPASS)

#1144-03-RC19
JULY 2020

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A1	70'	-	70'	TLC-LED-900	4	4	0
2	BB1, BB2	40'	-	40'	TLC-LED-400	2	2	0
1	S1	60'	-	60'	TLC-LED-600	1	1	0
				60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	3	3	0
1	S2	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-600	1	1	0
				60'	TLC-LED-900	3	3	0
1	S3	70'	-	70'	TLC-LED-1200	3	3	0
				70'	TLC-LED-1500	3	3	0
1	S4	70'	-	70'	TLC-LED-1200	4	4	0
				70'	TLC-LED-900	2	2	0
1	S5	60'	-	60'	TLC-LED-900	4	4	0
8	TOTALS					34	34	0



SCALE IN FEET 1 : 100

0' 100' 200'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Ortega Park

Santa Barbara, CA

GRID SUMMARY

Name:	**Spill/Glare - Residential**
Spacing:	30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

CANDELA (PER FIXTURE)

	Entire Grid
Scan Average:	**1073.502**
Maximum:	7648.167
Minimum:	0.660
No. of Points:	76

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	89,600 / 160,000 / 46,500 / 65,600 / 136,000
No. of Luminaires:	**34**
Total Load:	31.82 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-LED-900	>120,000	>120,000	>120,000
TLC-LED-1500	>120,000	>120,000	>120,000
TLC-LED-400	>120,000	>120,000	>120,000
TLC-LED-600	>120,000	>120,000	>120,000
TLC-LED-1200	>120,000	>120,000	>120,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

THIS SHEET PROVIDES AN ANALYSIS OF LIGHT INTENSITY & LUMINANCE LEVELS FOR THE PROPOSED LIGHTING SYSTEM MEASURED IN CANDELAS, OR THE INTENSITY OF LUMINATION PRODUCED IN A PARTICULAR DIRECTION THAT RESULTS IN GLARE.

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ORTEGA PARK

PHOTOMETRICS PLAN - SITE ILLUMINATION SUMMARY (GLARE)

#1144-03-RC19
JULY 2020

Ortega Park

Santa Barbara, CA

EQUIPMENT LAYOUT

INCLUDES:
- Basketball
- Soccer
- Softball

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires		
QTY	LOCATION	CLASS	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE
1	A1	LSS70C	-	70'	TLC-LED-900	4
2	BB1, BB2	LSS40A	-	40'	TLC-LED-400	2
1	S1	LSS60B	-	60'	TLC-LED-600	1
				60'	TLC-LED-1200	1
				60'	TLC-LED-900	3
1	S2	LSS60B	-	60'	TLC-LED-1200	1
				60'	TLC-LED-600	1
				60'	TLC-LED-900	3
1	S3	LSS70C	-	70'	TLC-LED-1200	3
				70'	TLC-LED-1500	3
1	S4	LSS70C	-	70'	TLC-LED-1200	4
				70'	TLC-LED-900	2
1	S5	LSS60B	-	60'	TLC-LED-900	4
8	TOTALS					34

SINGLE LUMINAIRE AMPERAGE DRAW CHART

Ballast Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
Single Phase Voltage	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
TLC-LED-900	5.3	5.0	4.6	4.0	3.2	2.9	2.3
TLC-LED-1500	8.5	8.1	7.4	6.4	5.1	4.7	3.7
TLC-LED-400	2.3	2.2	2.0	1.7	1.4	1.3	1.0
TLC-LED-600	3.4	3.2	3.0	2.6	2.0	1.9	1.5
TLC-LED-1200	7.0	6.6	6.1	5.2	4.2	4.0	3.0

SCALE IN FEET 1 : 80

0' 80' 160'

Pole location(s) ⊹ dimensions are relative to 0,0 reference point(s) ⊗

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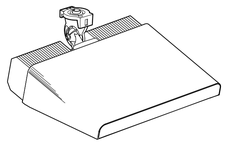
ORTEGA PARK
PHOTOMETRICS PLAN - EQUIPMENT LAYOUT

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#1144-03-RC19
JULY 2020



Datasheet: **TLC-LED-1200 Luminaire and Driver**



Luminaire Data

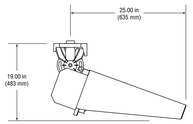
Weight (luminaire)	45 lb (20 kg)
UL listing number	E338094
UL listed for USA / Canada	UL1598 CSA-C22.2 No.250.0
CE Declaration	LVD, EMC, RoHS
Ingress protection, luminaire	IP65
Material and finish	Aluminum, powder-coat painted
Wind speed rating (aiming only)	150 mi/h (67 m/s)
UL, IEC ambient temperature rating, luminaire	50°C (122°F)

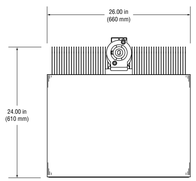
Photometric Characteristics

Projected lumen maintenance per IES TM-21-11	
L90 (20k)	>120,000 h
L80 (20k)	>120,000 h
L70 (20k)	>120,000 h
Lumens[1]	136,000
CIE correlated color temperature	5700 K
Color rendering index (CRI)	75 typ, 70 min

Footnotes:

1) Incorporates appropriate dirt depreciation factor for life of luminaire.





Datasheet: **TLC-LED-1200 Luminaire and Driver**

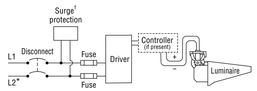
Driver Data

Electrical Data

Rated wattage[1]	
Per driver	1170 W
Per luminaire	1170 W
Number of luminaires per driver	1
Starting (inrush) current	<40 A, 256 µs
Fuse rating	15 A
UL, IEC ambient temperature rating, electrical components enclosure	50°C (122°F)
Ingress protection, electrical components enclosure	IP54
Efficiency	95%
Dimming mode	optional
Range, energy consumption	14 – 100%
Range, light output	19 – 100%

	200 Vac 50/60 Hz	208 Vac 60 Hz	220 Vac 50/60 Hz	230 Vac 50 Hz	240 Vac 50/60 Hz	277 Vac 60 Hz	347 Vac 60 Hz	380 Vac 50/60 Hz	400 Vac 50 Hz	415 Vac 50 Hz	480 Vac 60 Hz
Max operating current per luminaire[2]	7.26 A	6.98 A	6.60 A	6.31 A	6.05 A	5.24 A	4.18 A	3.82 A	3.63 A	3.50 A	3.03 A

Typical Wiring



* If L2 (com) is neutral then not switched or fused.
† Not present if indoor installation.

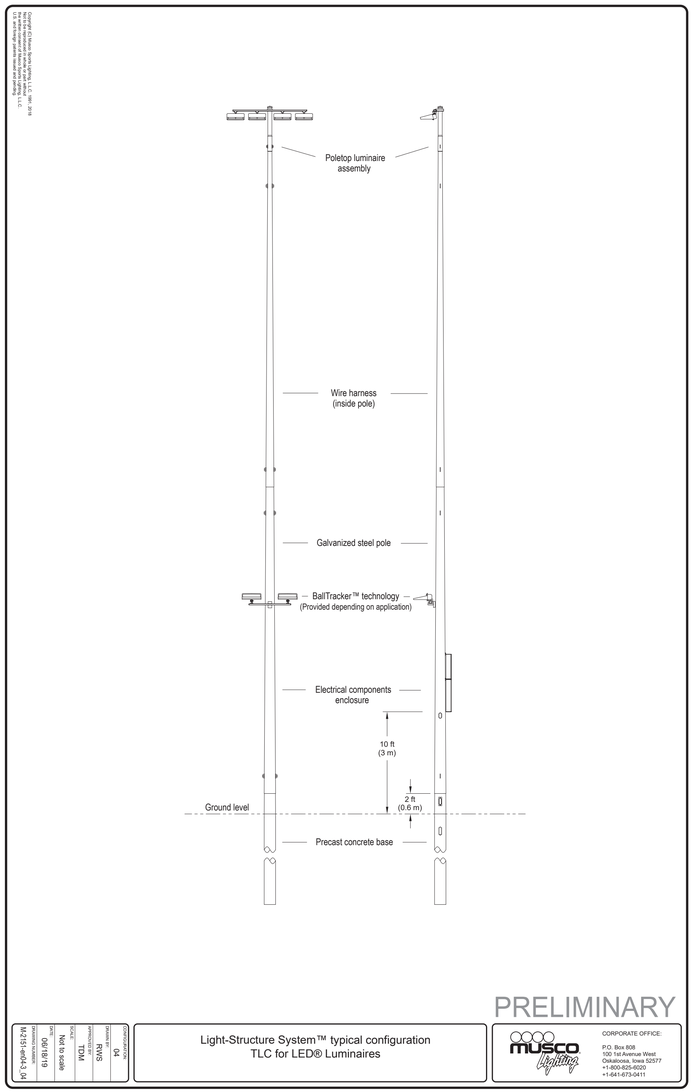
Footnotes:

1) Rated wattage is the power consumption, including driver efficiency losses, at stabilized operation in 25°C ambient temperature environment.
2) Operating current includes allowance for 0.90 minimum power factor, operating temperature, and LED light source manufacturing tolerances.

Notes

1. Use thermal magnetic HID-rated or D-curve circuit breakers.
2. See *Musco Control System Summary* for circuit information.

STANDARD FIXTURE FOR TLC FOR LED LUMINAIRE, TYP.



POLE LIGHT CONFIGURATION, TLC FOR LED LUMINAIRE, TYP.

ORTEGA PARK
PHOTOMETRICS PLAN - EQUIPMENT IMAGES AND SPECIFICATIONS

#1144-03-RC19
JULY 2020

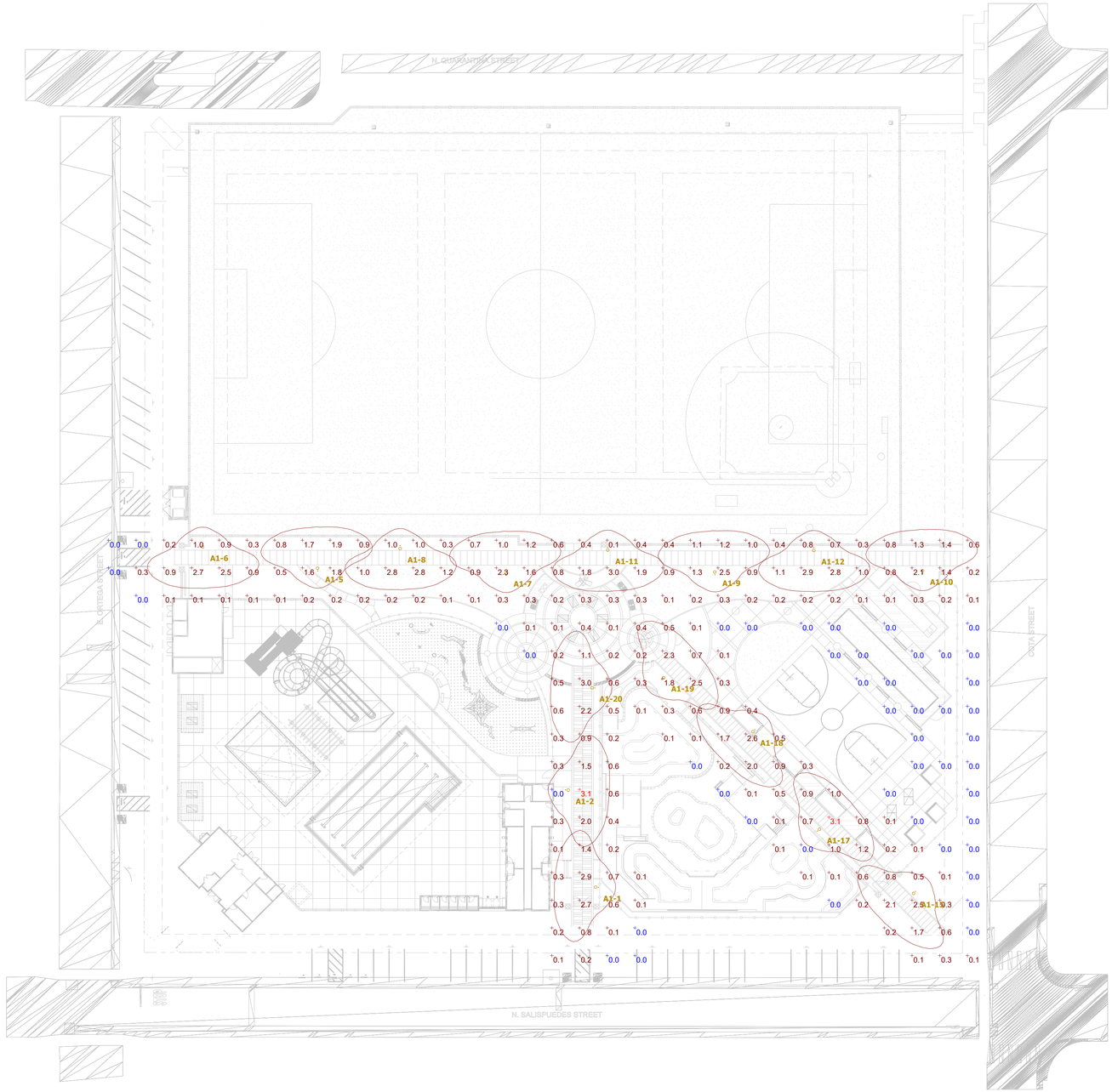
Schedule		
Symbol	Label	QTY
○	A1	15

Number Lamps	Lumens per Lamp	Lumen Multiplier	LLF	Wattage
1	2491	1	0.95	24.16

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
SITE LIGHTING	+	0.6 fc	3.1 fc	0.0 fc	N/A	N/A

Luminaire Locations

		Location						Aim		
No.	Label	X	Y	Z	MH	Orientation	Tilt	X	Y	Z
1	A1	512.83	141.34	14.00	14.00	273.50	0.00	511.33	141.43	0.00
2	A1	494.97	194.17	14.00	14.00	93.14	0.00	496.46	194.09	0.00
5	A1	360.84	312.69	14.00	14.00	357.26	0.00	360.77	314.19	0.00
6	A1	298.51	327.17	14.00	14.00	178.29	0.00	298.56	325.67	0.00
7	A1	462.89	310.34	14.00	14.00	357.26	0.00	462.82	311.84	0.00
8	A1	405.42	326.38	14.00	14.00	178.29	0.00	405.47	324.88	0.00
9	A1	575.87	310.65	14.00	14.00	357.26	0.00	575.80	312.15	0.00
10	A1	688.35	311.33	14.00	14.00	357.26	0.00	688.28	312.83	0.00
11	A1	517.82	325.51	14.00	14.00	178.29	0.00	517.86	324.01	0.00
12	A1	629.42	325.34	14.00	14.00	179.23	0.00	629.44	323.84	0.00
15	A1	684.44	139.13	14.00	14.00	223.81	0.00	683.40	138.04	0.00
17	A1	631.34	171.83	14.00	14.00	48.76	0.00	632.47	172.82	0.00
18	A1	597.41	226.74	14.00	14.00	223.81	0.00	596.37	225.66	0.00
19	A1	547.02	253.93	14.00	14.00	48.76	0.00	548.15	254.92	0.00
20	A1	510.83	249.34	14.00	14.00	273.50	0.00	509.33	249.43	0.00



Plan View

ORTEGA PARK
SITE LIGHTING
SANTA BARBARA, CA

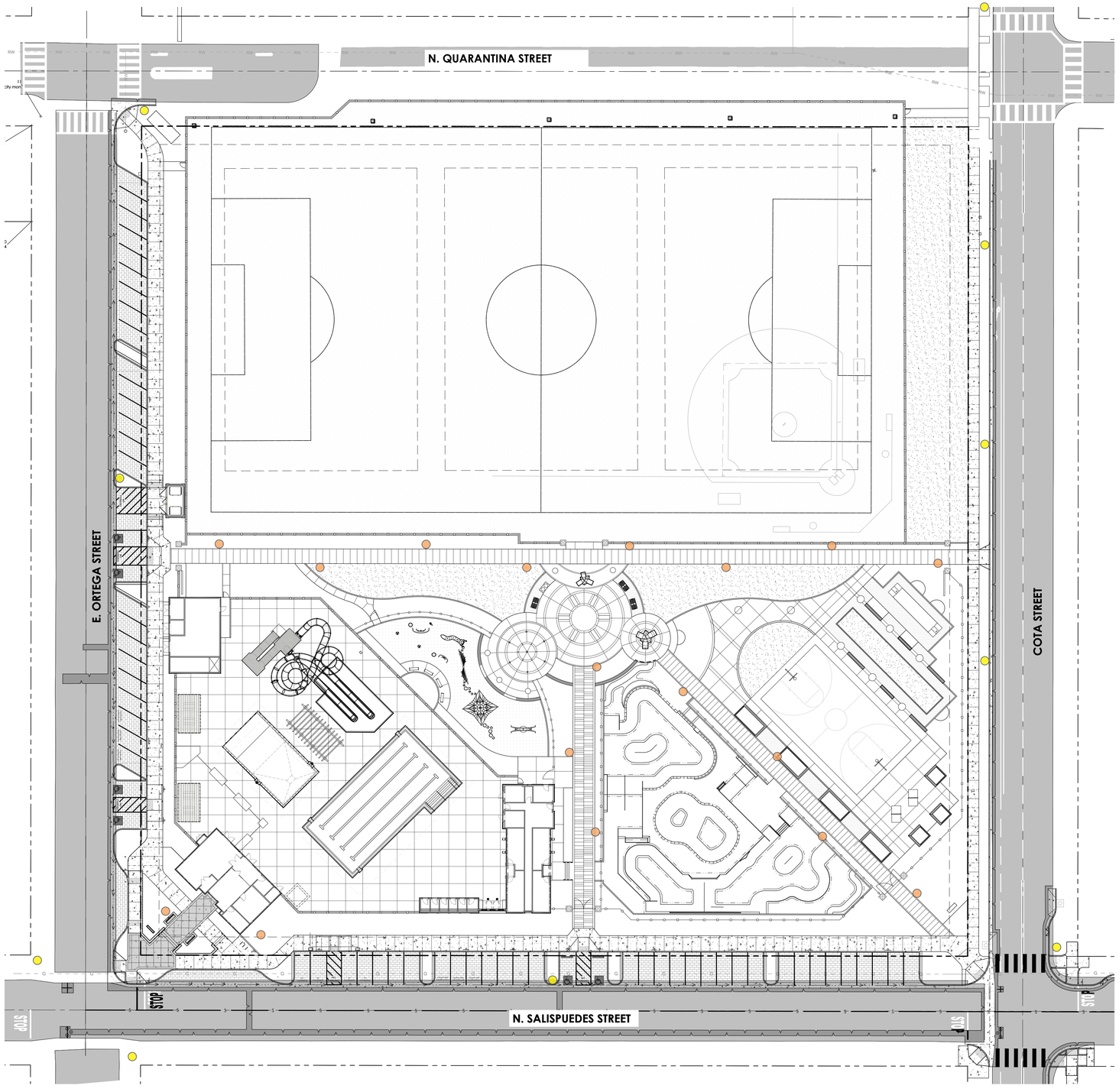
Designer
Michael Blackmon
805-937-8676
Date
XX/XX/2018
Scale
Not to Scale
Drawing No.

Summary

ORTEGA PARK
PHOTOMETRICS PLAN - PEDESTRIAN POLE LIGHTING

#1144-03-RC19
JULY 2020

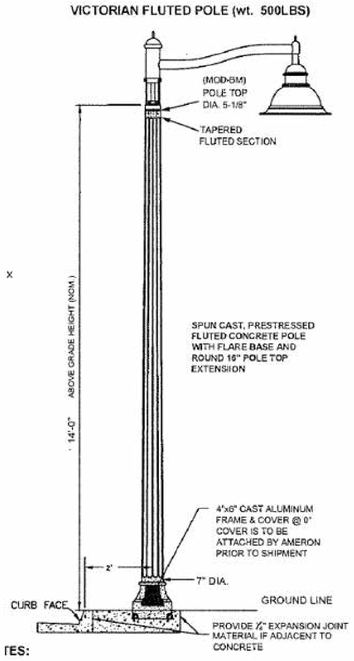
P-10



PEDESTRIAN POLE LIGHT, TYP.

FIXTURE PER CITY OF SANTA BARBARA STANDARD,
SEE NEXT SHEET FOR SPECIFICATIONS.





LEGEND

- PEDESTRIAN / SECURITY LIGHT LOCATIONS
- POLE LIGHT LOCATIONS (INCLUDES EXISTING & PROPOSED)

SEE P1-P9 FOR SPORTS POLE LIGHTING LOCATIONS & SPECIFICATIONS

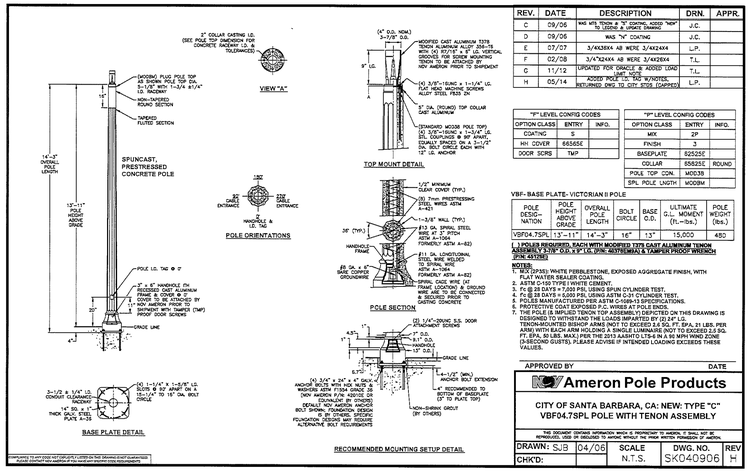
0' 15' 30' 60' 90'
SCALE 1" = 30'

NORTH

ORTEGA PARK
PEDESTRIAN POLE LIGHTING LOCATIONS

#1144-03-RC19
JULY 2020

SPECIFICATIONS PER CITY OF SANTA BARBARA STANDARD



REV.	DATE	DESCRIPTION	DRN.	APPR.
C	09/06	WAS MFG TENON & "K" COATING. ADDED "NEW" TO LEGEND & UPDATE DRAWING	J.C.	
D	09/06	WAS "K" COATING	J.C.	
E	07/07	3/4X38XX AB WERE 3/4X24XX	L.P.	
F	02/08	3/4"X24XX AB WERE 3/4X26XX	T.L.	
G	11/12	UPDATED FOR GRADE B ADDED LONG ANT. NOTE	T.L.	
H	05/14	ADDED POLE I.D. TAG W/NOTES. RETURNED DWG TO CITY STDS. (APPROX)	L.P.	

"F" LEVEL CONFIG CODES		
OPTION CLASS	ENTRY	INFO.
COATING	S	
HH COVER	66565E	
DOOR SCRS	TWP	

"S" LEVEL CONFIG CODES		
OPTION CLASS	ENTRY	INFO.
MFR	2P	
FINISH	3	
BASEPLATE	62525E	
COLLAR	55525E	ROUND
POLE TOP CON.	M0039	
SPL POLE LNGTH	M0089M	

VBF-BASE PLATE- VICTORIAN II POLE

POLE DESIG-NATION	POLE HGT=" ABOVE GRADE	OVERALL POLE LENGTH	BOLT CIRCLE	BASE O.D.	ULTIMATE G.L. MOMENT (Ft.-lbs.)	POLE WEIGHT (lbs.)
VBF04.7SPL	13'-11"	14'-3"	16"	13"	15,000	480

( ) POLES REQUIRED. EACH WITH MODIFIED T378 CAST ALUMINUM TENON ASSEMBLY 3.75" O.D. x 9" LG. (P/N: 4STPTENON) & TAMPER PROOF WRENCH (P/N: 4STPKT)

NOTES:
1. MIX (CP35): WHITE PEBBLESTONE, EXPOSED AGGREGATE FINISH, WITH FLAT WATER SEALER COATING.
2. ASTM C-150 TYPE I WHITE CEMENT.
3. Fc @ 28 DAYS = 7,000 PSI, USING 6INCH CYLINDER TEST.
4. Fc @ 18 HOURS = 4,000 PSI, USING 2-IN CYLINDER TEST.
5. POLES MANUFACTURED PER ASTM C-1089+13 SPECIFICATIONS.
6. PROTECTIVE COAT EXPOSED P.C. WIRES AT POLE ENDS.
7. THE POLE (& IMPLIED TENON TOP ASSEMBLY) DEPICTED ON THIS DRAWING IS DESIGNED TO WITHSTAND THE LOADS IMPARTED BY (2) 64" LG. TENON-MOUNTED BISHOP ARMS (NOT TO EXCEED 2.6 SQ. FT. EPA, 31 LBS. PER ARM) WITH 3 LUMINAIRES PER ARM (NOT TO EXCEED 1.5 SQ. FT. EPA, 16 LBS. MAX.) PER THE 2013 AASHTO LTS-6 (IN A 50 MPH WIND ZONE (3-SECOND GUSTS). PLEASE ADVISE IF INTENDED LOADING EXCEEDS THESE VALUES.

APPROVED BY _____ DATE _____

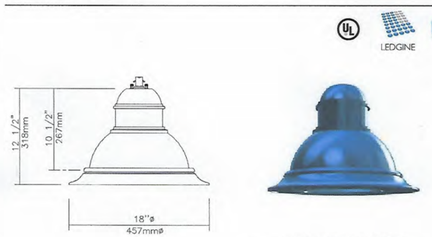
Ameron Pole Products

CITY OF SANTA BARBARA, CA: NEW: TYPE "C"
VBF04.7SPL POLE WITH TENON ASSEMBLY

THIS DOCUMENT CONTAINS INFORMATION WHICH IS PROPRIETARY TO AMERON, IT SHALL NOT BE REPRODUCED, USED OR DISCLOSED TO ANYONE WITHOUT THE PRIOR WRITTEN PERMISSION OF AMERON.

DRAWN: SJB	04/06	SCALE N.T.S.	DWG. NO. SK040906	REV H
CHK'D:				

Santa Barbara City of (4957)



EPA: .64 sq ft / weight: 35 lb (15.9 kg)
Note: 3D image may not represent color or option selected.
Logos above include link, click to access.

Qty **5** Luminaire **DOS-30W16LED4K-T-LE2F-120-SCZT311G151TX**

Description of Components: CUSTOM COLOR: MAGALA GREEN

Housing: In a round shape, this housing is made of die cast A380 aluminum, c/w a watertight grommet, mechanically assembled to the bracket with four bolts 5/16-18 UNC. This suspension system permits for a full rotation of the luminaire in 90 degree increments.

Access-Mechanism: A die cast A360 aluminum technical ring with latch, hinge and a cast-in decorative skirt. The mechanism shall offer tool-free access to the inside of the luminaire. An embedded memory-retentive gasket shall ensure weatherproofing.

Light Engine: LEDgine composed of 5 main components: **Heat Sink / Lens / LED Module / Optical System / Driver** Electrical components are RoHS compliant.

Heat Sink: Made of cast aluminum optimising the LEDs efficiency and life. Product does not use any cooling device with moving parts (only passive cooling device).

Lens: Made of soda-lime tempered glass lens, mechanically assembled and sealed onto the lower part of the heat sink.

LED Module: LED type Philips Lumileds LUXEON T. Composed of 16 high-performance white LEDs. Color temperature as per ANSI/NEMA bin Neutral White, 4000 Kelvin nominal (3985K +/- 275K or 3710K to 4260K), CRI 70 Min. 75 Typical.

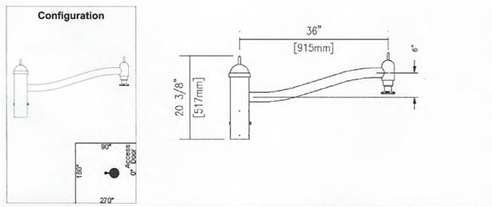
Optical System: (LE2F), IES type II (asymmetrical). Composed of high-performance optical grade PMMA acrylic refractor lenses to achieve desired distribution optimized to get maximum spacing, target lumens and a superior lighting uniformity. Optical system is rated IP66. Performance shall be tested per LM-63, LM-79 and TM-15 (IESNA) certifying its photometric performance. Street side indicated.0% uplight and U0 per IESNA TM-15.

Santa Barbara City of (4957)

Driver: High power factor of 90% minimum. Electronic driver, operating range 50/60 Hz. **Auto-adjusting universal voltage input from 120 to 277 VAC rated for both application line to line or line to neutral, Class I**, THD of 20% max. Maximum ambient operating temperature from -40F(-40C) to 130F(55C) degrees.

The current supplying the LEDs will be reduced by the driver if the driver experiences internal overheating as a protection to the LEDs and the electrical components. Output is protected from short circuits, voltage overload and current overload. Automatic recovery after correction. Standard built-in driver surge protection of 2.5kV (min).

Surge Protector: Surge protector tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line-Ground, Line-Neutral and Neutral-Ground, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid-State Street Lighting Consortium) model specification for LED roadway luminaires electrical immunity requirements for High Test Level 10kV / 10kA.



Qty **5** Bracket **[B-LCP-030]-1A-TS-SCZT311G151TX**

Description of Components: CUSTOM COLOR: MAGALA GREEN

Arm: Shall be made from bent 6061-T6 aluminum tubing, 2 3/8in. (60mm) outside diameter, welded.

Adaptor: Made of cast 356.1 aluminum, welded to the arm.

Central Adaptor: Made of aluminum tubing, 4 1/2" (114mm) outside diameter, slip fits over a 4" (102mm) diameter by 9" (229mm) long pole tenon, mechanically fastened by two sets of four 1/4-20 UNC sets-screws and one button head thru-bolt. **Hole to be drilled on-site. Lumec shall provide 2 lengths of set screws.**

Santa Barbara City of (4957)

Miscellaneous

Description of Components:

Hardware: All exposed screws shall be complete with Ceramic primer-seal basecoat to reduce seizing of the parts and offers a high resistance to corrosion. All seals and sealing devices are made and/or lined with EPDM and/or silicone and/or rubber.

Finish: (SCZT311G151TX) Special Color **ZT311G151, textured Protech Z Series Textured Color Malaga Green**. In accordance with the AAMA 2603 standard. Application of polyester powder coat paint (4 mils/100 microns) with ± 1 mils/24 microns of tolerance. The Thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 standard.

The surface treatment achieves a minimum of 2000 hours for salt spray resistant finish in accordance with testing performed and per ASTM B117 standard.

Note: ***IMPORTANT:*** **The pole manufacturer must make sure that the pole tenon is strong enough to support the assembly.**

LED products manufacturing standard: The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with IEC61340-5-1 and ANSI/ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

Quality Control: The manufacturer must provide a written confirmation of its ISO 9001-2008 and ISO 14001-2004 International Quality Standards Certification.

Certification: The manufacturer will have to supply a copy of approval products certificate, CSA or UL.

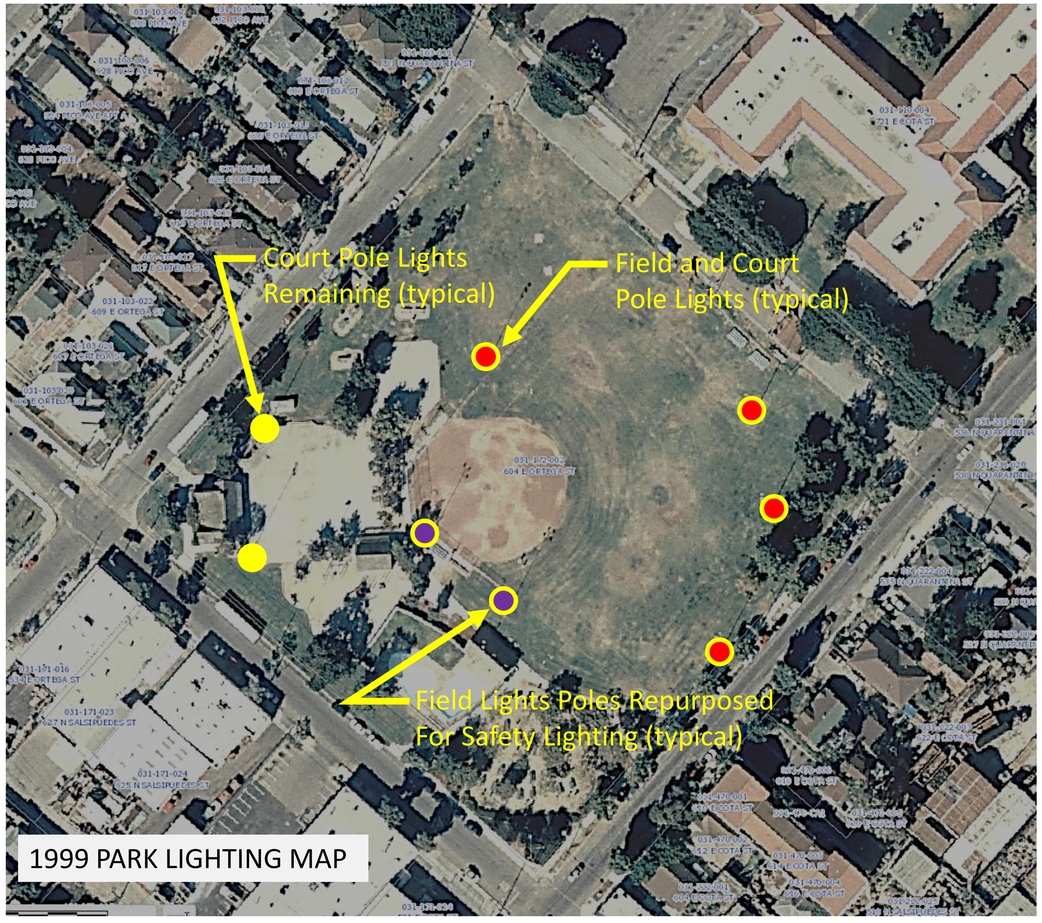
LED light engine technical information for DOS
LED = Philips Lumileds Luxeon T, CRI = 70, CCT = 4000K (+/- 350K)
System (LED + driver) rated life = 100,000 hrs [1]

LED Module	Typical delivered lumens	Typical system wattage [2] (W)	Typical current @ 120 V (A)	Typical current @ 208 V (A)	Typical current @ 240 V (A)	Typical current @ 277 V (A)	LED current (mA)	HID Replacement [3]	Luminaire Efficacy Rating (LER/W)	BUG rating
24W16LED4K-T-LE2F	2596	29	0.25	0.15	0.13	0.12	530	70-100	90.6	B1-U0-G1
24W16LED4K-T-LE3F	2487	29	0.25	0.15	0.13	0.12	530	70-100	86.8	B1-U0-G0
24W16LED4K-T-LE4F	2431	29	0.23	0.15	0.13	0.12	530	70-100	84.8	B1-U0-G1
24W16LED4K-T-LE5F	2333	29	0.25	0.15	0.13	0.12	530	70-100	81.4	B2-U0-G0
30W16LED4K-T-LE2F	3267	38	0.32	0.19	0.17	0.15	700	70-100	87.0	B1-U0-G1
30W16LED4K-T-LE3F	3129	38	0.32	0.19	0.17	0.15	700	70-100	83.3	B1-U0-G1
30W16LED4K-T-LE4F	3059	38	0.32	0.19	0.17	0.15	700	70-100	81.4	B1-U0-G1
30W16LED4K-T-LE5F	2903	38	0.32	0.19	0.17	0.15	700	70-100	77.3	B2-U0-G1
35W32LED4K-T-LE2F	3530	36	0.31	0.19	0.17	0.16	350	70-100	99.3	B1-U0-G1
35W32LED4K-T-LE3F	3400	36	0.31	0.19	0.17	0.16	350	70-100	95.1	B1-U0-G1
35W32LED4K-T-LE4F	3324	36	0.31	0.19	0.17	0.16	350	70-100	93.0	B1-U0-G1
35W32LED4K-T-LE5F	3155	36	0.31	0.19	0.17	0.16	350	70-100	88.2	B2-U0-G1
55W32LED4K-T-LE2F	5149	53	0.47	0.27	0.24	0.22	530	100-150	96.4	B1-U0-G1
55W32LED4K-T-LE3F	4932	54	0.47	0.27	0.24	0.22	530	100-150	90.8	B1-U0-G1
55W32LED4K-T-LE4F	4822	54	0.47	0.27	0.24	0.22	530	100-150	89.8	B1-U0-G1
55W32LED4K-T-LE5F	4576	54	0.5	0.3	0.2	0.2	530.0	100-150	84.9	B1-U0-G1

1 L70 = 100,000 hrs (at ambient temperature = 25°C).
2 System wattage or total luminaire wattage includes the LED module and the LED driver.
3 Note: These guidelines show typical replacements for the HID wattage ranges shown. Replacements should always be confirmed with a photometric layout.
Note | Due to rapid and continuous advances in LED technology, LED luminaire data is subject to change without notice and at the discretion of Philips.



Aerial image provided for reference.



Note: Image shows existing and removed park light locations. Field and court lights shown in red were removed in 2004 due to deferred maintenance issue.

ORTEGA PARK
EXISTING PARK LIGHTING

#1144-03-RC19
JULY 2020