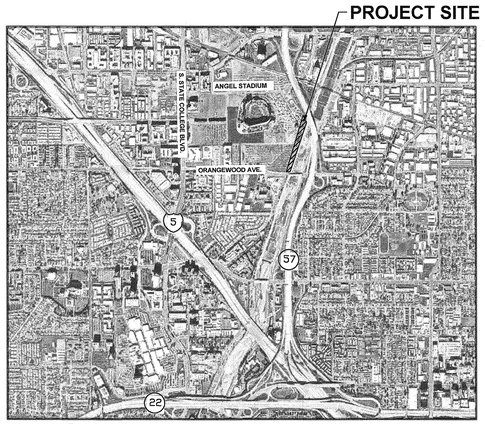
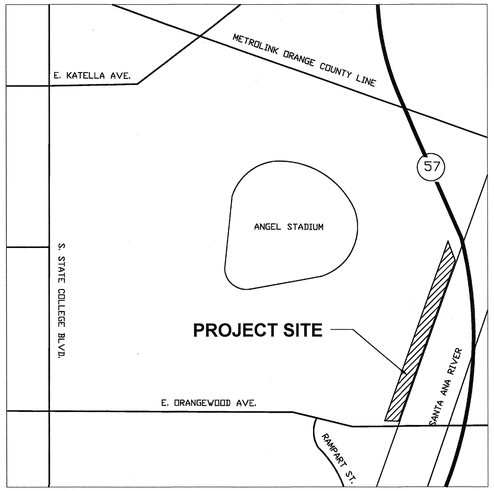
CITY OF ANAHEIM

CONSTRUCTION DOCUMENTS FOR
RIVER PARK
2445 EAST ORANGEWOOD, ANAHEIM, CA 92806



NTS

VICINITY MAP



NTS

LOCATION MAP

PROJECT DIRECTORY

OWNER:
CITY OF ANAHEIM, COMMUNITY SERVICES
CONTACT: ANA STRAABE
(714) 765-4463
ASTRAABE@ANAHEIM.NET

LANDSCAPE ARCHITECT:
SCHMIDT DESIGN GROUP,INC
JEFF JUSTUS, TECHNICAL PRINCIPAL
(619) 236-1462,
JJUSTUS@SCHMIDTDESIGN.COM
CHRIS TIFFANY, PRINCIPAL
(619) 236-1462
CTIFFANY@SCHMIDTDESIGN.COM

CIVIL ENGINEER
PROACTIVE ENGINEERING
CONTACT: OMAR MACIEL
(949) 242-0519
OMACIEL@PROENG.NET

GEOTECHNICAL ENGINEER:
HARRINGTON GEOTECHNICAL ENGINEERING, INC
(714) 637-3093
admin@harringtongeotechnical.com

ELECTRICAL ENGINEER
MPE CONSULTING
CONTACT: JENNY OECHEL
(619) 849-0059
JENNY@MPECONSULTING.COM

STRUCTURAL ENGINEER
AARK ENGINEERING, INC.
CONTACT: MARK VAN BIBBER
(619) 312-6336
VANBIBBER@AARKENGINEERING.COM

SHEET INDEX

MASTER TITLE SHEET
1. MS-1.0

BUILDING PERMIT: BLD2025-04799
2. T-1.0 TITLE SHEET
3. T-1.1 PATH OF TRAVEL
4. LC-001 LANDSCAPE KEY MAP & LANDSCAPE CONSTRUCTION NOTES
5. LC-100 LANDSCAPE CONSTRUCTION LEGEND
6. LC-101 LANDSCAPE CONSTRUCTION PLAN
7. LC-102 LANDSCAPE CONSTRUCTION PLAN
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32. LI-103 IRRIGATION PLAN
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42. LP-103 PLANTING PLAN
43. LP-104 PLANTING PLAN
44. LP-105 PLANTING PLAN
45. LP-106 PLANTING ENLARGEMENT
46. LP-200 PLANTING DETAILS
47. E-001 NOTE SHEET
48. E-002 LIGHTING DETAIL SHEET
49. E-100 OVERALL SITE PLAN
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51. E-102 SITE ELECTRICAL PLAN-2
52. E-103 SITE ELECTRICAL PLAN-3
53. E-104 SITE ELECTRICAL PLAN-4
54. E-105 SITE ELECTRICAL PLAN-5
55. E-201 SINGLELINE DIAGRAM
56. E-T01 TITLE 24
57. LC-214 LANDSCAPE CONSTRUCTION DETAILS
58. DW1.0 WATER PLAN
59. LC-215 LANDSCAPE CONSTRUCTION DETAILS
60. S100 PLAY EQUIPMENT STRUCTURAL NOTES, FOUNDATION PLAN, AND DETAIL
61. S101 PLAY EQUIPMENT FOUNDATION PLAN
62. S102 SHADE GENERAL NOTES
63. S103 SHADE PLAN AND SECTIONS

GRADING PERMIT: GRA2025-04067
64. C1.0 TITLE SHEET
65. C2.0 GENERAL AND CONSTRUCTION NOTES
66. C3.0 DEMOLITION PLAN
67. C3.1 DEMOLITION PLAN
68. C3.2 DEMOLITION PLAN
69. C3.3 DEMOLITION PLAN
70. C3.4 DEMOLITION PLAN
71. C4.0 GRADING PLAN
72. C4.1 GRADING PLAN
73. C4.2 GRADING PLAN
74. C4.3 GRADING PLAN
75. C4.4 GRADING PLAN
76. C5.0 EROSION CONTROL PLAN
77. C6.0 DETAIL SHEET
78. C6.1 DETAIL SHEET
79. LC-200 LANDSCAPE CONSTRUCTION DETAILS
80. LC-201 LANDSCAPE CONSTRUCTION DETAILS
81. LC-202 LANDSCAPE CONSTRUCTION DETAILS

SIGN PERMIT: SGN2025-00163
82. T-1.0 TITLE SHEET
83. T-1.1 OVERALL SITE PLAN
84. LC-100 SIGNAGE PLANS
85. LC-200 LANDSCAPE CONSTRUCTION DETAILS
86. E001 LIGHTING DETAIL SHEET
87. E002 TITLE 24

APPLICABLE STANDARD DRAWINGS & SPECIFICATIONS:

1. GREENBOOK STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2024. INCLUDES ALL SUPPLEMENTAL AMENDMENTS.
2. 2019 CALIFORNIA BUILDING CODE ACCESS REGULATIONS, TITLE 24, AND CALIFORNIA STATE ACCESSIBILITY STANDARDS INTERPRETIVE MANUAL PREPARED BY THE OFFICE OF THE STATE ARCHITECT AND DEPARTMENT OF REHABILITATION.
3. AMERICAN WITH DISABILITIES ACT TITLE II REGULATIONS 28 CFR PART 35 AND 35.151, INCLUDING THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.
4. MANUAL ON TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES, STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, DOCUMENT NO 769744.

NOTE:
LATEST EDITIONS OF THE PRECEDING SPECIFICATIONS AND DRAWINGS SHOULD BE USED. WHERE ONE OR MORE SETS OF SPECIFICATIONS ARE APPLICABLE, THE MORE RESTRICTIVE WILL TAKE PRECEDENCE.

SPECIAL INSPECTION NOTES:

1. SPECIAL INSPECTIONS, STRUCTURAL TESTS AND STRUCTURAL OBSERVATIONS SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF CHAPTER 17 OF THE 2025 CBC.
2. THE SPECIAL INSPECTOR MUST BE CERTIFIED BY THE CITY OF ANAHEIM, COMMUNITY SERVICES, IN THE CATEGORY OF WORK REQUIRED TO HAVE SPECIAL INSPECTION.
3. THE SPECIAL INSPECTIONS IDENTIFIED ON PLANS ARE IN ADDITION TO AND NOT A SUBSTITUTE FOR THOSE INSPECTIONS REQUIRED TO BE PERFORMED BY A CITY BUILDING INSPECTOR.
4. A PROPERTY OWNER'S FINAL REPORT FORM FOR WORK REQUIRED TO HAVE SPECIAL INSPECTIONS, TESTING AND STRUCTURAL OBSERVATIONS MUST BE COMPLETED BY THE PROPERTY OWNER, PROPERTY OWNER'S AGENT OF RECORD OR ENGINEER OF RECORD AND SUBMITTED TO THE INSPECTION SERVICES DIVISION.
5. THE CONSTRUCTION MATERIALS TESTING LABORATORY MUST BE APPROVED BY THE CITY OF ANAHEIM, COMMUNITY SERVICES, FOR TESTING OF MATERIALS, SYSTEMS, COMPONENTS AND EQUIPMENT.
6. PROJECT SHALL BE INSPECTED BY A CERTIFIED ACCESS SPECIALIST.

OTHER RELEVANT PERMITS

- RIVER PARK WATER PERMIT UWM2025-00102
- RIVER PARK ELECTRICAL PERMIT UEC2026-00129, DRAWING NUMBER R-2350
- ORANGEWOOD WIDENING PERMIT RCP 2025-23407 / RCP2016-12348

LEGAL DESCRIPTION:

APN 232-011-58
AREA: 134,264 SQ/FT
FIPS CODE: 06059
LOCALITY: ANAHEIM
PARCEL APN: 232-011-58
POSTAL CODE: 92806
STATE: CA
STREET NUMBER: 2445
33.796042, -117.880060

RAW EARTHWORK ESTIMATE:

CUT (CY): 549
FILL (CY): 516
OVEREXC. CUT (CY): 1,935
OVEREXC. FILL (CY): 1,935
MAX DEPTH CUT (FT): 2
MAX DEPTH FILL (FT): 2
NET (CY): 33 (EXPORT)
NET SOIL DISTURBED (AC): 0.88
TOTAL AREA (AC): 3.09

PROJECT SCOPE:

THE SCOPE OF PROJECT CONSISTS OF A NEW PARK INCLUDING PLANTING, IRRIGATION, DG WALKING PATH, SHADE STRUCTURES, FENCING, CONCRETE PLAZAS, PLAYGROUND, SITE FURNISHINGS, BENCH SWINGS, DRINKING FOUNTAINS, SOLAR LIGHTING, EXERCISE EQUIPMENT, INTERPRETIVE AND OTHER SIGNAGE, TWO MONUMENT SIGNS, AND OTHER IMPROVEMENTS IDENTIFIED IN THIS PLAN SET.

IMPERVIOUS AREA

EXISTING: 15,072 SQ FT
PROPOSED: 24,252 (+9,180 SQ FT NEW)

UTILITY PROVIDERS

WATER SERVICE PROVIDED BY: CITY OF ANAHEIM PUBLIC UTILITIES DEPT.
201 SOUTH ANAHEIM BLVD.
ANAHEIM, CA 92805
(714) 765-3300

SEWER SERVICE PROVIDED BY: ORANGE COUNTY SANITATION DISTRICT
10844 ELLIS AVE.
FOUNTAIN VALLEY, CA 92708
(714) 962-2411

ELECTRICAL SERVICE PROVIDED BY: CITY OF ANAHEIM PUBLIC UTILITIES DEPT.
201 SOUTH ANAHEIM BLVD. #107
ANAHEIM, CA 92805
(714) 765-3300

WDID NO. N/A

DIGALERT
DIAL TOLL FREE
1 - 800 - 227 - 2600
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

APPROVED:
PARKS MANAGER — DATE 5/20/26

APPROVED:
PRINCIPAL PROJECT PLANNER — DATE 5/20/26

RECOMMEND APPROVAL:
COMMUNITY SERVICES DIRECTOR — DATE 5/20/26

APPROVED FOR GRADING ONLY:
CARLOS CASTELLANOS – CITY ENGINEER — DATE 5/21/26

FOR CITY USE ONLY

RIVER PARK 100% CONSTRUCTION DOCUMENTS

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:
BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

BASEMAP FOR THIS PROJECT PROVIDED BY ANAHEIM SURVEY TOPOGRAPHIC MAP NUMBER 25-07

OWNER OR DEVELOPER:
CITY OF ANAHEIM
COMMUNITY SERVICES DEPARTMENT
ANA STRAABE, PHONE: (714) 765-4463
200 S. ANAHEIM BLVD., SUITE 433
ANAHEIM, CA 92805

PREPARED BY:
SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

LICENSED LANDSCAPE ARCHITECT — JEFFREY T. BARR No. 5209 — SIGNATURE — 12-31-26 RENEWAL DATE — 05-12-2026 DATE — STATE OF CALIFORNIA

I HEREBY CERTIFY THAT:
1. THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION:
2. THE GRADING SHOWN HEREON WILL NOT DIVERT DRAINAGE FROM ITS NATURAL DOWNSTREAM COURSE OR OBSTRUCT THE DRAINAGE OF ADJACENT PROPERTIES:

ENGINEER — FELIX GONZALEZ — 06-30-2027 EXP. DATE

REGISTERED PROFESSIONAL ENGINEER — FELIX GONZALEZ — No. 67660 — Exp. 6-30-2027 — CIVIL — STATE OF CALIFORNIA

MASTER TITLE SHEET

SITE ADDRESS: RIVER PARK
2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

MS-1.0

SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

CITY OF ANAHEIM

D-

PLOT DATE: 09/11/2025

SHEET LIST

SHEET #	SHEET NAME	
T-1.0	TITLE SHEET	1
T-1.1	PATH OF TRAVEL	2
LC-001	LANDSCAPE KEY MAP & LANDSCAPE CONSTRUCTION NOTES	3
LC-100	LANDSCAPE CONSTRUCTION LEGEND	4
LC-101	LANDSCAPE CONSTRUCTION PLAN	5
LC-102	LANDSCAPE CONSTRUCTION PLAN	6
LC-103	LANDSCAPE CONSTRUCTION PLAN	7
LC-104	LANDSCAPE CONSTRUCTION PLAN	8
LC-105	LANDSCAPE CONSTRUCTION PLAN	9
LC-106	LANDSCAPE CONSTRUCTION ENLARGEMENT	10
LC-107	LANDSCAPE CONSTRUCTION ENLARGEMENT	11
LC-108	LANDSCAPE CONSTRUCTION ENLARGEMENT	12
LC-200	LANDSCAPE CONSTRUCTION DETAILS	13
LC-201	LANDSCAPE CONSTRUCTION DETAILS	14
LC-202	LANDSCAPE CONSTRUCTION DETAILS	15
LC-203	LANDSCAPE CONSTRUCTION DETAILS	16
LC-204	LANDSCAPE CONSTRUCTION DETAILS	17
LC-205	LANDSCAPE CONSTRUCTION DETAILS	18
LC-206	LANDSCAPE CONSTRUCTION DETAILS	19
LC-207	LANDSCAPE CONSTRUCTION DETAILS	20
LC-208	LANDSCAPE CONSTRUCTION DETAILS	21
LC-209	LANDSCAPE CONSTRUCTION DETAILS	22
LC-210	LANDSCAPE CONSTRUCTION DETAILS	23
LC-211	LANDSCAPE CONSTRUCTION DETAILS	24
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LP-100.1	PLANTING NOTES AND LEGEND	38
LP-101	PLANTING PLAN	39
LP-102	PLANTING PLAN	40
LP-103	PLANTING PLAN	41
LP-104	PLANTING PLAN	42
LP-105	PLANTING PLAN	43
LP-106	PLANTING ENLARGEMENT	44
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E-002	LIGHTING DETAIL SHEET	47
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E-101	SITE ELECTRICAL PLAN-1	49
E-102	SITE ELECTRICAL PLAN-2	50
E-103	SITE ELECTRICAL PLAN-3	51
E-104	SITE ELECTRICAL PLAN-4	52
E-105	SITE ELECTRICAL PLAN-5	53
E-201	SINGLELINE DIAGRAM	54
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DW1.0	WATER PLAN	57
LC-215	LANDSCAPE CONSTRUCTION DETAILS	58
S100	PLAY EQUIPMENT STRUCTURAL NOTES, FOUNDATION PLAN, AND DETAIL	59
S101	PLAY EQUIPMENT FOUNDATION PLAN	60
S102	SHADE GENERAL NOTES	61
S103	SHADE PLAN AND SECTIONS	62

I HEREBY CERTIFY THAT THE IMPROVEMENTS HAVE BEEN COMPLETED IN CONFORMANCE WITH THIS APPROVED PLAN.

(SIGNATURE) _____ _____
NAME: DATE
RCE NO:
EXP:
COMPANY: _____
ADDRESS: _____ PHONE: _____ (SEAL)
_____
_____

REVISIONS

(SIGNATURE) _____ _____
NAME: DATE
RCE NO:
EXP:
COMPANY: _____
ADDRESS: _____ PHONE: _____
_____
_____

NO.	INT.	DATE	NO.	INT.	DATE	NO.	INT.	DATE	NO.	INT.	DATE

(SEAL)

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

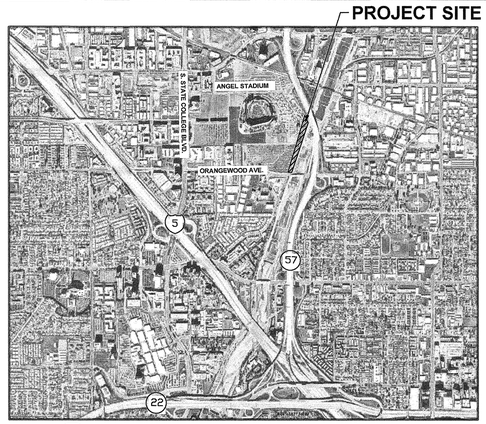
CITY OF ANAHEIM

RIVER PARK

2445 EAST ORANGEWOOD, ANAHEIM, CA 92806

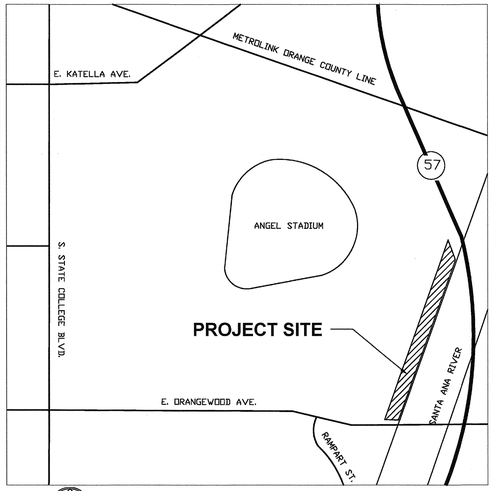
BUILDING PERMIT

VICINITY MAP



NTS

LOCATION MAP



NTS

SCOPE OF WORK - BUILDING DEPARTMENT

BLD2025-04799

- PATH OF TRAVEL
- LIGHTING FOUNDATION FOR (20) TWENTY LIGHT POLES
- ELECTRICAL PLAN
- PLUMBING FOR (3) THREE DRINKING FOUNTAINS WITH BOTTLE FILLERS
- 1,520 LF 8 FT. HIGH WIRE MESH FENCE WITH GATES, 12,160 SF TOTAL.
- 25 LF 8 FT. HIGH DECORATIVE FENCE WITH GATE, 200 SF TOTAL.
- SHADE STRUCTURES AND FOOTINGS, (6) SIX STRUCTURES AT 201 SF EACH, 1,206 SF TOTAL.
- ADULT SWINGS AND FOOTINGS

APPLICABLE CODES AND STANDARDS

2022 CA ADMINISTRATIVE CODE TITLE 24 PART 1
2022 CA BUILDING CODE TITLE 24 PART 2 VOLUME 1 & 2
2022 CA ELECTRICAL CODE TITLE 24 PART 3
2022 CA ENERGY CODE TITLE 24 PART 6
AMERICANS WITH DISABILITIES ACT (ADA), TITLE II: ADA STANDARDS FOR ACCESSIBLE DESIGN

NOTE:
ALL REQUIREMENTS OF THE SOIL ENGINEER REPORT(S) DATED OCTOBER 28, 2024 BY HARRINGTON GEOTECHNICAL ENGINEERING, INC. AND ALL SUBSEQUENT REPORTS, ADDENDA, RECOMMENDATIONS, ETC. SHALL BE CONSIDERED PART OF THIS PLAN.

REFERENCE DOCUMENTS

- RIVER PARK GRADING PERMIT PACKAGE GRA2025-04067
- RIVER PARK SIGN PERMIT PACKAGE SGN2025-00163
- RIVER PARK WATER PERMIT UWM2025-00102
- RIVER PARK ELECTRICAL PERMIT UEC2026-00129, DRAWING NUMBER R-2350
- ORANGEWOOD WIDENING PERMIT RCP 2025-23407 / RCP2016-12348

CONTRACTOR UTILITY NOTIFICATIONS

THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES A MINIMUM OF TWO WORKING DAYS PRIOR TO THE COMMENCING OF CONSTRUCTION:

- UNDERGROUND SERVICE ALERT (USA) TEL: 800-422-4133
- SOUTHERN CALIFORNIA GAS COMPANY HEADQUARTERS PLANNING OFFICE: TEL: 714-634-3118 ANAHEIM OFFICE TEL: 714-634-3229 ATTN: BOB TRENTON 714-634-3121
- CITY OF ANAHEIM CONSTRUCTION SERVICES DIVISION TEL: 714-765-5126
- CITY OF ANAHEIM PUBLIC UTILITIES INSPECTION TEL: 714-765-6905
- METROPOLITAN WATER DISTRICT WATER SYSTEMS OPERATIONS GROUP ATTN: TIM HATCH OR RICK BICKER TEL: 714-577-5084
- AT&T ATTN: JOE LUQUE, MANAGER AT&T OSP CABLE TEL: 661-325-0572 CELL: 661-333-4080
- VERIZON TELECOMMUNICATIONS ATTN: CHUCK TRIMBLE TEL: 909-421-3339
- TIME WARNER / CHARTER COMMUNICATIONS ATTN: KEITH KLUMP, CONSTRUCTION MANAGER, ZONE 11 TEL: 951-547-3831
- CROWN CASTLE ATTN: RANDY OLIVER, UTILITY COORDINATOR TEL: 724-416-2725

DESIGN TEAM

LANDSCAPE ARCHITECT:
SCHMIDT DESIGN GROUP
1310 ROSECRANS STREET, SUITE G
SAN DIEGO, CA 92106
TEL: (619) 236-1462

ELECTRICAL:
MPE CONSULTING
10807 THORNMINT RD.
SUITE 200
SAN DIEGO, CA 92127
TEL: (858) 673-4445

CIVIL:
PROACTIVE ENGINEERING CONSULTANTS
27051 TOWNE CENTRE DRIVE
SUITE 270
FOOTHILL RANCH, CA 92610
TEL: (949) 716-7460

SITE STRUCTURAL ENGINEER:
AARK ENGINEERING INC.
1870 CORDELL COURT,
SUITE 202
EL CAJON, CA 92020
TEL: (619) 312-6336

SHADE STRUCTURE STRUCTURAL ENGINEER:
ICON SHELTER SYSTEMS INC.
1455 LINCOLN AVE.
HOLLAND MI, 49423
TEL:(616) 396-0919

PROJECT DATA

OCCUPANCY TYPE: N/A
CONSTRUCTION TYPE: N/A
NO. OF STORIES: N/A
ALLOWABLE AREA PER 2019 CBC: N/A
TABLE 506.2: N/A
TOTAL BUILDING AREA: N/A

PROJECT SCOPE

THE SCOPE OF PROJECT CONSISTS OF A NEW PARK INCLUDING PLANTING, IRRIGATION, DG WALKING PATH, SHADE STRUCTURES, FENCING, CONCRETE PLAZAS, PLAYGROUND, AND MONUMENT SIGN.

ADD ALTERNATES

1 CONCRETE BENCH TO BE REPLACED WITH BENCH SWING. MODEL: 11357. AVAILABLE THROUGH ICON OR APPROVED EQUAL. PH (616)396-0919

LEGAL DESCRIPTION

APN 232-011-58
AREA: 134,264 SQ/FT
FIPS CODE: 06059
LOCALITY: ANAHEIM
PARCEL APN: 232-011-58
POSTAL CODE: 92806
STATE: CA
STREET NUMBER: 2445
33.796042, -117.880060

NOTE TO CONTRACTOR

THESE PLANS HAVE BEEN EXAMINED AND ARE APPROVED ONLY AS TO COMPATIBILITY WITH ADJOINING EXISTING OR FUTURE IMPROVEMENTS AND CONFORMANCE WITH CITY OF ANAHEIM STANDARD DETAILS AND THE REQUIREMENTS FOR THE FOLLOWING APPLICABLE FACTORS: RIGHT-OF-WAY, ROADWAY MATERIALS, ALIGNMENTS AND GRADES, HYDROLOGY AND HYDRAULIC DESIGN OF STORM DRAIN OR SANITARY SEWER SYSTEMS AND UNDER GROUND CONDUITS OR OPEN CHANNEL ALIGNMENTS, GRADES, SIZES AND MATERIALS.

PREPARED UNDER THE SUPERVISION OF:

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

JEFFREY T. BARR
DATE: 05/12/2026

LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5319
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

OWNER / DEVELOPER:

CITY OF ANAHEIM
COMMUNITY SERVICES DEPARTMENT
ATTN: ANA STRAABE
200 SOUTH ANAHEIM BOULEVARD
ANAHEIM, CA 92805
TEL: (714) 765-4463

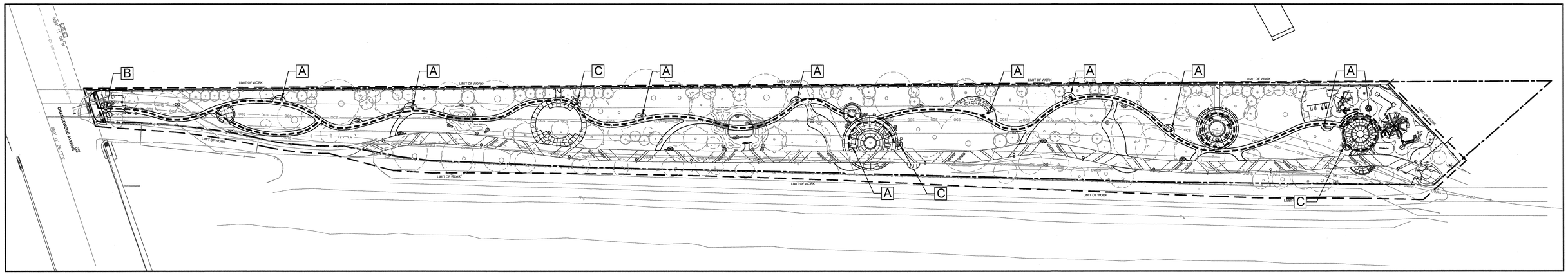
BENCH MARK:
BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

TITLE SHEET	T-1.0
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799
	SHEET 1 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM	D-XXX

RIVER PARK 100% CONSTRUCTION DOCUMENTS

FOR CITY USE ONLY

PLOT DATE: 09/11/2025



ACCESSIBLE PATH OF TRAVEL NOTES:

SITE DEVELOPMENT AND GRADING HAS BEEN DESIGNED TO PROVIDE ACCESS TO ALL ENTRANCES AND EXTERIOR GROUND FLOOR EXITS, AND ACCESS TO NORMAL PATHS OF TRAVEL, AND WHERE NECESSARY THE DESIGN SHALL INCORPORATE PEDESTRIAN RAMPS, CURB RAMPS, ZERO CURB, ETC. TO PROVIDE ACCESS CONSISTENT WITH DEFINITION OF ACCESSIBLE ROUTE OF TRAVEL PER TITLE 24, SECTION 11B-206.

ACCESSIBILITY NOTES:

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX, AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE FIRM AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80".

ACCESSIBLE 'PATH OF TRAVEL' LEGEND:

- A — ADA COMPANION SEATING
- B — PARK ENTRANCE
- C — DRINKING FOUNTAIN, SHALL COMPLY WITH CBC TITLE 24, SECTION 11B-202.4.3.
- ACCESSIBLE PATH OF TRAVEL

NOTE: SEE SHEET LC-215 FOR PLAYGROUND PATH OF TRAVEL ENLARGEMENT

LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE

0 25 50 100

SCALE : 1" = 50'-0"

NORTH

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

FOR CITY USE ONLY

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82

LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER

ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5209
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

PATH OF TRAVEL	T-1.1
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799
	SHEET 2 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM	D-XXX

PLOT DATE: 09/11/2025

CONSTRUCTION NOTES:

1. UNLESS SPECIFIED OTHERWISE, LANDSCAPE CONSTRUCTION AND LAYOUT WORK INCLUDES, BUT IS NOT LIMITED TO THE LOCATION, PLACEMENT AND DETAILING OF THE PAVING, WALLS, SEATWALLS, LANDSCAPE WALLS, CONSTRUCTION OF SPECIFIED SITE FURNITURE, AND AMENITIES.
2. SEE CIVIL ENGINEER'S PLAN FOR SITE DRAINAGE AND GRADING, FINISH GRADING, SITE UTILITY LAYOUT AND CONSTRUCTION.
3. DIMENSIONS INDICATED ON PLANS SHALL PREVAIL OVER PLAN SCALE. DIMENSIONS ARE TO FACES OF AND PERPENDICULAR FACE OF WALLS UNLESS SHOWN OTHERWISE. ALL ANGLES AND CONNECTIONS ARE (90) DEGREES UNLESS NOTED OTHERWISE.
4. ALL DIMENSIONS ARE TAKEN FROM THE BACK OF CURB UNLESS OTHERWISE NOTED.
5. EXPANSION JOINTS SHALL BE AS LOCATED ON THE PLANS AND WHERE CONCRETE MEETS EXISTING WALLS, PAVING, OR OTHER HARD SURFACES. EXPANSION JOINTS ON WALKS TO BE A MAXIMUM OF 30'-0" ON CENTER.
6. SCORE JOINTS SHALL BE AS SHOWN ON THE PLANS OR SET ON TYPICAL ON CENTER SPACING.
7. ALL CONCRETE SHALL BE A MINIMUM STRENGTH OF 2500 PSI AT 28 DAYS FOR SIDEWALKS UNLESS OTHERWISE INDICATED. FINISH SHALL BE AS NOTED ON PLANS.
8. CONCRETE PAVING SHALL HAVE FINISHED GRADES SMOOTHED TO ELIMINATE PUDDLING OR STANDING WATER. ALL FINISH SURFACES SHALL MAINTAIN A 1.5% SLOPE AWAY FROM WALLS INTO DRAINAGE STRUCTURES AND SHALL HAVE A MAX. CROSS SLOPE OF 1.5%. CONTRACTOR SHALL NOTIFY THE CITY ENGINEER OF ANY CONFLICTS MAINTAINING DRAINAGE.
9. LAYOUT POINTS OF ALL RADIUS SHALL BE CONNECTED BY SMOOTH EVEN LINES TO CREATE THE CURVED CONFIGURATION AS SHOWN ON THE PLANS.
10. SEE IRRIGATION PLANS FOR SLEEVE LOCATIONS PRIOR TO CONSTRUCTION.
11. SEE ELECTRICAL PLANS FOR CONDUIT AND LIGHT POLE LOCATIONS PRIOR TO CONSTRUCTION.
12. NO DEVIATIONS FROM PLANS SHALL OCCUR WITHOUT APPROVAL OF THE OWNER OR LANDSCAPE ARCHITECT.
13. ANY PROPOSED WORK THAT IS INCONSISTENT WITH COMMON, SAFE CONSTRUCTION PRACTICES SHALL BE BROUGHT TO THE ATTENTION OF THE CITY ENGINEER PRIOR TO COMMENCING WITH CONSTRUCTION.
14. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL FIELD CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
15. CONTRACTOR SHALL REVIEW PLANS AND DETAILS TO ASCERTAIN LOCATIONS NECESSARY TO PROVIDE ELECTRICAL CONNECTIONS TO POWER IRRIGATION, LIGHTING, ETC.
16. CONTRACTOR SHALL DETERMINE THE LOCATION AND DEPTH OF ALL SITE UTILITIES PRIOR TO CONSTRUCTION. NOTIFY THE CITY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
17. THE CONTRACTOR SHALL HAVE THE LANDSCAPE ARCHITECT VERIFY ALL CONSTRUCTION STAKING LOCATIONS PRIOR TO INSTALLATION OF ALL PAVING.
18. ALL HARDWARE SUCH AS NAILS, BOLTS, FASTENERS ETC. SHALL BE STAINLESS STEEL UNLESS OTHERWISE NOTED.
19. THE CONTRACTOR SHALL PROVIDE A 4'X4' MOCK UP OF EACH UNIQUE PAVING AND HARDSCAPE MATERIAL;FOR APPROVAL PRIOR TO CONSTRUCTION INCLUDING, BUT NOT LIMITED TO: CONCRETE, DECOMPOSED GRANITE, MOW CURBS, AND AC PAVING. MOCK UPS MAY NOT BE PART OF FINAL CONSTRUCTION.
20. AEROSOL ADHESIVES, AND SMALLER UNIT SIZES OF ADHESIVES, AND SEALANTS OR CAULKING COMPOUNDS (IN UNITS OF PRODUCT, LESS PACKAGING, WHICH DO NOT WEIGH MORE THAN ONE POUND AND DO NOT CONSIST OF MORE THAN 16 FLUID OUNCES) SHALL COMPLY WITH STATEWIDE VOC STANDARDS AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS, OF CALIFORNIA CODE OF REGULATIONS, TITLE 17, COMMENCING WITH SECTION 94507.
    A. ARCHITECTURAL PAINTS AND COATINGS SHALL COMPLY WITH TABLE 5.504.4.2 UNLESS MORE STRINGENT LOCAL LIMITS APPLY (SECTION 5.504.3 OF CALGREEN).
    B. AEROSOL PAINTS AND COATINGS. AEROSOL PAINTS AND COATINGS SHALL MEET THE PRODUCT-WEIGHTED MIR LIMITS FOR ROC IN SECTION 94522(A)(3) AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS AND OZONE DEPLETING SUBSTANCES (CCR, TITLE 17, SECTION 94520 ET SEQ). (SECTION 5.504.4.3.1 OF CALGREEN).
    C. A LETTER FROM THE CONTRACTOR CERTIFYING WHAT PAINT HAS BEEN USED AND ITS COMPLIANCE WITH THE CODE MUST BE SUBMITTED TO THE BUILDING INSPECTOR.
21. CONTRACTOR SHALL SECURE ALL PERMITS, CITY WILL PAY FEES, TO CONSTRUCT THE PLANS HEREIN.
22. THE CONTRACTOR SHALL PAY FOR ANY CONSTRUCTION RE-STAKING REQUIRED TO COMPLETE THE PROJECT TO THE SATISFACTION OF THE CITY ENGINEER. THE LANDSCAPE ARCHITECT WILL PROVIDE CAD FILES FOR DEVELOPMENT OF A CERTIFIED HORIZONTAL CONTROL PLAN. CITY WILL PROVIDE INITIAL STAKING SERVICES.
23. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES AS NECESSARY.
24. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL FOR DETAILS AS NOTED ON PLANS AND SPECIFICATIONS.
25. CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY CLEANUP OF THE SITE AND PROVIDING ADEQUATE SAFETY MEASURES DURING CONSTRUCTION ON A 24 HOUR BASIS.
26. ANY CREDITS AND/OR DEBTS SHALL BE REPORTED TO LANDSCAPE ARCHITECT AND CITY ENGINEER AT A TIME OF OCCURRENCE FOR PROPER VERIFICATION AND/OR APPROVAL PRIOR TO COMMENCEMENT OF RESULTING ACTION.
27. CONTRACTOR SHALL PROVIDE A 24 HOUR PHONE NUMBER IN CASE OF EMERGENCY.
28. CONTRACTOR TO PROVIDE SAMPLES OF MATERIAL AND FINISHES (STAINS, PAVERS, SIGNAGE MATERIALS, ETC.) FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT AND CITY ENGINEER PRIOR TO CONSTRUCTION.
29. ACCESS TO EASEMENT APPURTENANCES BY EASEMENT HOLDERS FOR MAINTENANCE SHALL BE AVAILABLE DURING CONSTRUCTION.
30. CONTRACTOR TO NOTIFY OWNER'S ARBORIST FOR INSPECTION AND REVIEW OF TREE PROTECTION MEASURES PRIOR TO CONSTRUCTION ACTIVITY UNDER DRIPLINE OF EXISTING TREES.
31. ALL REQUIREMENTS OF THE SOIL ENGINEER REPORT(S) DATED OCTOBER 28, 2024 BY HARRINGTON GEOTECHNICAL ENGINEERING AND ALL SUBSEQUENT REPORTS, ADDENDA, RECOMMENDATIONS, ETC. SHALL BE CONSIDERED PART OF THIS PLAN AND SHALL BE COMPLIED WITH, SUBJECT TO THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS/ CITY ENGINEER.

EQUIVALENT PRODUCTS:

SEE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, SECTION 4, 4-1.6, "TRADE NAMES OR EQUALS" AND THE FOLLOWING: WHENEVER ANY PARTICULAR MATERIAL, PROCESS, EQUIPMENT, ETC. IS INDICATED BY BRAND NAME OR MANUFACTURER, SUCH WORDING IS USED FOR THE PURPOSE OF FACILITATING ITS DESCRIPTION AND SHALL BE DEEMED TO BE FOLLOWED BY THE WORDS "OR AN APPROVED EQUAL." A LISTING OF MANUFACTURERS IS NOT INTENDED TO BE COMPREHENSIVE. THE CONTRACTOR MAY OFFER ANY MATERIAL, PROCESS OR EQUIPMENT CONSIDERED TO BE EQUIVALENT TO THAT INDICATED. UNLESS OTHERWISE AUTHORIZED BY THE CITY ENGINEER, THE SUBSTANTIATION OF EQUIVALENTS MUST BE SUBMITTED WITHIN 35 DAYS AFTER THE AWARD OF THE CONTRACT. THE CITY'S CITY ENGINEER SHALL HAVE AUTHORITY TO DETERMINE WHETHER THE MATERIAL, PROCESS OR EQUIPMENT OFFERED IS EQUIVALENT TO THAT SPECIFIED. THE DECISION OF THE CITY ENGINEER SHALL BE FINAL.

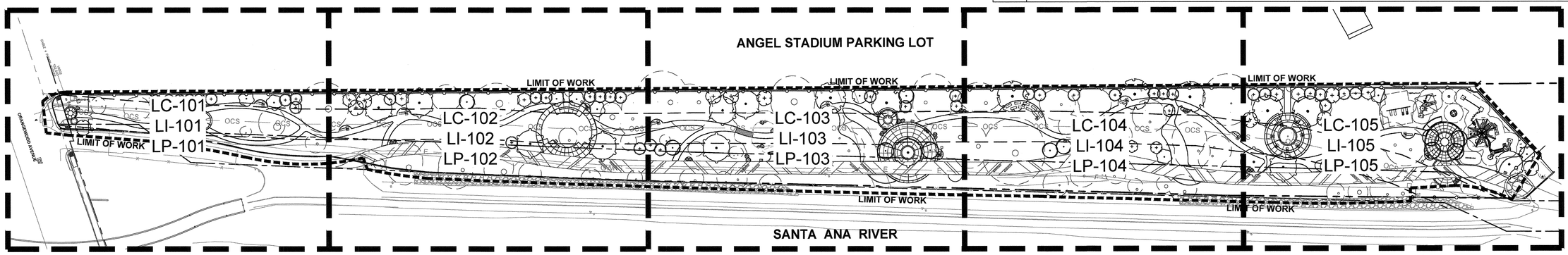
THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE INCREASED PROJECT COSTS AND ALL PERMITS THAT MAY BE REQUIRED WHICH ARE PRECIPITATED BY THE CHANGE IN ANY MATERIAL, PROCESS OR EQUIPMENT AT HIS REQUEST AFTER THE AWARD OF THE CONTRACT. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, ADDITIONAL COSTS INCURRED BY THE CITY FOR REVIEW AND/OR REDESIGN OF THE CONTRACT DOCUMENTS TO ACCOMMODATE THE REQUESTED CHANGE. IN THE EVENT THAT THE CONTRACT DOCUMENTS MUST BE ALTERED TO ACCOMMODATE THE CONTRACTOR'S REQUESTED CHANGE IN MATERIAL, PROCESS OR EQUIPMENT, THE CONTRACTOR SHALL HAVE THE OPTION OF PROVIDING THE CITY ENGINEER WITH DETAILED DRAWINGS AND SPECIFICATIONS THAT FULLY DEFINE HOW THE REQUESTED CHANGE CAN BE INCORPORATED INTO THE PROJECT OR THE CONTRACTOR MAY, AT HIS OWN EXPENSE, WORK WITH THE PROJECT CONSULTANTS LISTED IN THE CONTRACT DOCUMENTS TO MAKE THE REQUIRED CHANGES TO THE PLANS AND SPECIFICATIONS. IN EITHER CASE, THE CITY ENGINEER SHALL REVIEW THE PROPOSED PLANS AND SPECIFICATIONS PRIOR TO GRANTING APPROVAL. NO ADDITIONAL WORKING DAYS WILL BE ADDED TO MAKE CONTRACTOR REQUESTED CHANGES.

SPECIAL INSPECTION AND TESTING

1. SPECIAL INSPECTION IS REQUIRED PER CHAPTER 17 OF THE 2022 CALIFORNIA BUILDING CODE AND AS SUMMARIZED BELOW. THE OWNER SHALL EMPLOY A SPECIAL INSPECTION AGENCY APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE START OF WORK. COPIES OF ALL INSPECTION REPORTS SHALL BE SUBMITTED TO THE ARCHITECT OF RECORD, STRUCTURAL ENGINEER OF RECORD, AND CITY BUILDING INSPECTOR IN A TIMELY MANNER.
2. THE SPECIAL INSPECTIONS IDENTIFIED ON THE PLANS ARE IN ADDITION TO, AND NOT A SUBSTITUTE FOR, THOSE INSPECTIONS REQUIRED TO BE PERFORMED BY A CITY BUILDING INSPECTOR.
3. CONTINUOUS INSPECTION SHALL BE PROVIDED DURING THE PERFORMANCE OF WORK REQUIRING SPECIAL INSPECTION , UNLESS OTHERWISE NOTED. WHEN WORK IN MORE THAN ONE CATEGORY OF WORK REQUIRING SPECIAL INSPECTION IS TO BE PERFORMED SIMULTANEOUSLY, OR THE GEOGRAPHIC LOCATION OF THE WORK IS SUCH THAT IT CANNOT BE CONTINUOUSLY OBSERVED, IT SHALL BE THE RESPONSIBILITY OF THE AGENT TO EMPLOY A SUFFICIENT NUMBER OF SPECIAL INSPECTORS TO ASSURE THAT ALL WORK IS CONTINUOUSLY INSPECTED IN ACCORDANCE WITH THOSE PROVISIONS.
4. THE SPECIAL INSPECTORS SHALL BE CERTIFIED BY THE CITY OF ANAHEIM, DEVELOPMENT SERVICES, TO PERFORM THE CATEGORY OF SPECIAL INSPECTION SPECIFIED.
5. THE CONSTRUCTION MATERIALS TESTING LABORATORY SHALL BE APPROVED BY THE CITY OF ANAHEIM, DEVELOPMENT SERVICES, FOR TESTING OF MATERIALS, SYSTEMS, COMPONENTS, AND EQUIPMENT.
6. OFF-SITE FABRICATION: SPECIAL INSPECTION IS REQUIRED FOR FABRICATION OF MEMBERS AND ASSEMBLIES PERFORMED IN A FABRICATION SHOP NOT APPROVED BY THE CITY OF ANAHEIM. FABRICATOR SHALL BE REGISTERED AND APPROVED BY THE CITY OF ANAHEIM FOR THE FABRICATION OF MEMBERS AND ASSEMBLIES ON THE PREMISES OF THE FABRICATOR'S SHOP.
7. THE CONTRACTOR SHALL NOTIFY THE SPECIAL INSPECTOR OR INSPECTION AGENCY AT LEAST THREE WORKING DAYS PRIOR TO PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION.
8. WHERE MATERIALS OR ASSEMBLIES ARE REQUIRED BY THE CALIFORNIA BUILDING CODE TO BE LABELED, SUCH MATERIALS AND ASSEMBLIES SHALL BE LABELED BY AN AGENCY APPROVED BY THE CITY OF ANAHEIM IN ACCORDANCE WITH SECTION 1703 OF THE CALIFORNIA BUILDING CODE. PRODUCTS AND MATERIALS TO BE LABELED SHALL BE TESTED, INSPECTED AND LABELED IN ACCORDANCE WITH THE PROCEDURES SET FORTH IN SECTIONS 1703.5.1 THROUGH 1703.5.4 OF THE CALIFORNIA BUILDING CODE.
9. THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY FOR CONSTRUCTION OF ITEMS LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN: (1) ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS; (2) ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL; (3) PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION; (4) THE METHOD AND FREQUENCY OF REPORTING AND DISTRIBUTION OF THE SPECIAL INSPECTION REPORTS; AND (5) IDENTIFICATION AND QUALIFICATIONS OF THE PERSON OR PERSONS EXERCISING SUCH CONTROL AND THEIR POSITION IN THE ORGANIZATION.

STATEMENT OF SPECIAL INSPECTIONS

CBC REF	DESCRIPTION OF TYPE OF INSPECTION REQUIRED, LOCATION, REMARKS, ET CETERA	DESIGN STRENGTH
1705.2	**STEEL CONSTRUCTION** DOCUMENTATION: MATERIAL VERIFICIATION OF STRUCTURAL STEEL (IDENTIFICATION MARKINGS TO CONFORM TO ASTM A6 OR ASTM A568, AND MANUFACTURER'S CERTIFIED MILL TEST REPORTS); MATERIAL VERFICATION OF WELD FILLER MATERIALS (IDENTIFICATION MARKING TO CONFORM TO AWS STANDARDS; MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED). CONTINUOUS INSPECTIONS: COMPLETE AND PARTIAL PENETRATION GROOVE WELDS; MULTI-PASS FILLET WELDS; SINGLE-PASS FILLET WELDS GREATER THAN 5/16" ROOT. PERIODIC INSPECTIONS: SINGLE-PASS FILLET WELDS 5/16" ROOT OR LESS; FIELD WELDS; INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS (DETAILS SUCH AS BRACING AND STIFFENING, MEMBER LOCATIONS, AND APPLICATION OF JOINT DETAILS AT EACH CONNECTION).	PER SPECIFICATIONS
1705.3	**CONCRETE CONSTRUCTION** CONTINUOUS INSPECTIONS: INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE; AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE; INSPECTION OF CONCRETE FOR PROPER APPLICATION TECHNIQUES. PERIODIC INSPECTIONS: INSPECTION OF REINFORCING STEEL AND PLACEMENT; VERIFICATION OF USE OF REQUIRED DESIGN MIX; INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES; INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	f'c = 4000 PSI
1705.3	**POST-INSTALLED ANCHORS IN CONCRETE (EPOXY)** PERIODIC INSPECTIONS: VERIFY ANCHOR/BAR TYPE AND DIMENSIONS; CONCRETE TYPE AND COMPRESSIVE STRENGTHS; HOLE DIMENSIONS, HOLE CLEANING PROCEDURES, ANCHOR/BAR SPACING, EDGE DISTANCES, CONCRETE THICKNESS, ANCHOR/BAR EMBEDMENT. THE INSPECTOR SHALL VERIFY THE INITIAL INSTALLATIONS OF EACH TYPE AND SIZE OF ADHESIVE ANCHOR/BAR BY CONSTRUCTION PERSONNEL ON SITE. SUBSEQUENT INSTALLATIONS OF THE SAME ANCHOR/BAR TYPE AND SIZE BY THE SAME CONSTRUCTION PERSONNEL SHALL BE PERMITTED TO BE PERFORMED IN THE ABSENCE OF THE INSPECTOR. ANY CHANGE IN THE ANCHOR/BAR PRODUCT BEING INSTALLED OR THE PERSONNEL PERFORMING THE INSTALLATION SHALL REQUIRE AN INITIAL INSPECTION. FOR ONGOING INSTALLATIONS OVER AN EXTENDED PERIOD, THE INSPECTOR SHALL MAKE REGULAR INSPECTIONS TO CONFIRM CORRECT HANDLING AND INSTALLATION OF THE PRODUCT.	HILTI HIT-HY 200 V3 EPOXY ADHESIVE (ICC ESR-4868)



LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE
- GWR EASEMENT
- SEWER LINE EASEMENT
- FLOOD CONTROL EMERGENCY ACCESS

0 25 50 100

SCALE : 1" = 50'-0"

NORTH

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

FOR CITY USE ONLY

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
SEE SHEET LC-100 FOR LANDSCAPE CONSTRUCTION LEGEND
SEE SHEETS LC-101 - LC-105 FOR LANDSCAPE CONSTRUCTION PLANS
SEE SHEETS LC-200 - LC-214 FOR LANDSCAPE CONSTRUCTION DETAILS

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LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5209
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12-31-26
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05-12-26
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STATE OF CALIFORNIA

LANDSCAPE KEY MAP & LANDSCAPE CONSTRUCTION NOTES — LC-001

SITE ADDRESS: RIVER PARK
2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

BLD2025-04799

SHEET 3 OF 62

SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

CITY OF ANAHEIM — D-XXX

PLOT DATE: 09/11/2025

REFERENCE NOTES SCHEDULE

SYMBOL	CODE	DESCRIPTION	DETAIL
	1A	PEDESTRIAN CONCRETE PAVING. COLOR: NATURAL GREY. FINISH: MEDIUM BROOM. PSI: 3250. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	1B	ENHANCED PEDESTRIAN CONCRETE PAVING. COLOR: OMAHA TAN 5084 BY DAVIS COLORS. FINISH: TOPCAST #3. AGGREGATE: 1/4 IN - 3/8 IN. AGGREGATE COLOR: BIRDSEYE BROWN. PSI: 2500. FINAL COLOR AND TEXTURE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	1C	ENHANCED PEDESTRIAN CONCRETE PAVING. COLOR: OMAHA TAN 5084 BY DAVIS COLORS. FINISH: TOPCAST #3. AGGREGATE: 1/4 IN - 3/8 IN. AGGREGATE COLOR: BIRDSEYE BROWN. APPLY MEDIUM SANDBLAST FINISH AFTER INITIAL CURING. PSI: 2500. FINAL COLOR AND TEXTURE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	1D	ENHANCED PEDESTRIAN CONCRETE PAVING. COLOR: ADOBE 61078 BY DAVIS COLORS. FINISH: TOPCAST #3. PSI: 2500. FINAL COLOR AND TEXTURE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	2A	ENHANCED VEHICULAR CONCRETE PAVING. COLOR: OMAHA 5084 BY DAVIS COLORS. FINISH: TOPCAST #3. AGGREGATE: 1/4 IN - 3/8 IN. AGGREGATE COLOR: BIRDSEYE BROWN. PSI: 3250. FINAL COLOR AND TEXTURE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	2B	ENHANCED VEHICULAR CONCRETE PAVING. COLOR: OMAHA 5084 BY DAVIS COLORS. FINISH: TOPCAST #3. AGGREGATE: 1/4 IN - 3/8 IN. AGGREGATE COLOR: BIRDSEYE BROWN. PSI: 3250. APPLY MEDIUM SANDBLAST FINISH AFTER CURING. FINAL COLOR AND TEXTURE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	2C	ENHANCED VEHICULAR CONCRETE PAVING. COLOR: ADOBE 61078 BY DAVIS COLORS. FINISH: TOPCAST #3. PSI: 3250. FINAL COLOR AND TEXTURE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	3A	PEDESTRIAN STABILIZED DECOMPOSED GRANITE WITH 4" CONCRETE MOWCURB HEADER. COLOR: GAILS GOLD. DG AVAILABLE THROUGH GAIL MATERIALS. PH: (951) 667-6106. PX300 STABILIZER AVAILABLE THROUGH INTEGRATED 8A SOLUTIONS. PH: (949) 675-9934. SEE GRA2025-04067 FOR MORE INFORMATION.	4/LC-202
	3B	VEHICULAR STABILIZED DECOMPOSED GRANITE WITH 4" CONCRETE MOWCURB HEADER. COLOR: GAILS GOLD. DG AVAILABLE THROUGH GAIL MATERIALS. PH: (951) 667-6106. PX300 STABILIZER AVAILABLE THROUGH INTEGRATED 8A SOLUTIONS. PH: (949) 675-9934. SEE GRA2025-04067 FOR MORE INFORMATION.	4/LC-202
	4	VEHICULAR AC PAVING PER CIVIL, SEE GRA2025-04067.	SEE CIVIL
	5A	GAF STREETBOND 150 PAVEMENT COATING. STREETBOND COLOR: CERULEAN. HEX #006E90 AVAILABLE THROUGH SIPLAST OR APPROVED EQUAL. PH: (800) 922-8800. SEE CIVIL PLANS, C-7.0 FOR ADDITIONAL INFORMATION, GRA2025-04067.	1/LC-206
	5B	GAF STREETBOND 150 PAVEMENT COATING. STREETBOND COLOR: CARROT ORANGE. HEX # F18F01 AVAILABLE THROUGH SIPLAST OR APPROVED EQUAL. PH: (800) 922-8800. SEE CIVIL PLANS, C-7.0 FOR ADDITIONAL INFORMATION, GRA2025-04067.	1/LC-206
	5C	GAF STREETBOND 150 PAVEMENT COATING. STREETBOND COLOR: APPLE GREEN. HEX # A5BE00. AVAILABLE THROUGH SIPLAST OR APPROVED EQUAL. PH: (800) 922-8800. SEE CIVIL PLANS, C-7.0 FOR ADDITIONAL INFORMATION, GRA2025-04067.	1/LC-206
	5D	GAF STREETBOND 150 PAVEMENT COATING. STREETBOND COLOR: SKY BLUE. HEX # 41BBD9. AVAILABLE THROUGH SIPLAST OR APPROVED EQUAL. PH: (800) 922-8800. SEE CIVIL PLANS, C-7.0 FOR ADDITIONAL INFORMATION, GRA2025-04067.	1/LC-206
	6	ENGINEERED WOOD FIBER SURFACING. AVAILABLE THROUGH TURBOSCAPE OR APPROVED EQUAL. PH: (866) 887-2672.	10/LC-200
	7	COBBLE IN BASIN. COLOR: SIERRA COBBLE 4"-10". AVAILABLE THROUGH SOUTHWEST BOULDER & STONE. SEE GRA2025-04067 FOR MORE INFORMATION.	5/LP-200
	8	COBBLE WET-SET IN CONCRETE. COLOR: SIERRA COBBLE 4"-10" SET IN 2500 PSI SILCA GROUT NATURAL COLOR. AVAILABLE THROUGH SOUTHWEST BOULDER & STONE. SEE GRA2025-04067 FOR MORE INFORMATION.	7/LC-201
N	9A	EXPANSION JOINT	2/LC-200
	9B	SCORE JOINT. SAW CUT FOR STRAIGHT JOINTS, TROWEL FOR CURVED JOINTS.	2/LC-200
CJ	9C	COLD JOINT	3/LC-200
	10A	8' HT WIRE MESH PANEL FENCE. COLOR: BLACK. AVAILABLE THROUGH BETAFENCE OR APPROVED EQUAL. PH: (972) 878-7000	1/LC-202
	10B	8' HT WIRE MESH PANEL FENCE WITH PRIVACY SLATS. COLOR: BLACK. AVAILABLE THROUGH BETAFENCE OR APPROVED EQUAL. PH: (972) 878-7000	1/LC-202
	10C	8' HT DECORATIVE FENCE. PATTERN: THATCH. COLOR: BLACK. AVAILABLE THROUGH ARTISAN PANELS. PH: (714) 351-3234.	3/LC-202
	11A	8' HT X 4' WIDE WIRE MESH MAINTENANCE GATE. COLOR: BLACK. AVAILABLE THROUGH BETAFENCE OR APPROVED EQUAL. PH: (972) 878-7000.	2/LC-202
	11B	8' HT X 8' WIDE (4' EACH PANEL) DOUBLE DECORATIVE GATE. PATTERN: THATCH. COLOR: BLACK.	3/LC-202
	12	18" HT. X 18" WIDE CONCRETE SEAT WALL. COLOR: NATURAL GREY. FINISH: GCP-EUROTARD #15.	4/LC-205
	13A	PREFABRICATED STEEL SHADE STRUCTURE 'A' WITH PERFORATED PANELS. 16FT DIAMETER, 8'-6" CLR HEIGHT. COLOR BRONZE. AVAILABLE THROUGH ICON OR APPROVED EQUAL. PH: (616) 396-0919.	LC-210, 211
	13B	PREFABRICATED STEEL SHADE STRUCTURE 'B' WITH PERFORATED PANELS.16FT DIAMETER, 9'-6" CLR HEIGHT. COLOR BRONZE. AVAILABLE THROUGH ICON OR APPROVED EQUAL. PH: (616) 396-0919.	LC-208, 209
	14	ACCESSIBLE OUTDOOR VANDAL-RESISTANT STAINLESS STEEL PEDESTAL DRINKING FOUNTAIN WITH PET BOWL AND SAND TRAP AND DEEP WELL CONNECTION. MODEL: 3612 WITH 3670 PET BOWL. SURFACE MOUNTED. COLOR: SILVER. SANDTRAP MODEL: 6611. AVAILABLE THROUGH HAWS. PH: (888) 640-4297	1/LC-205
	15A	CONCRETE PICNIC TABLE. MODEL: Q-RON73T. COLOR: NATURAL. FINISH: HONED. AVAILABLE THROUGH QCP OR APPROVED EQUAL. PH:(866) 703-3434.	5/LC-201
	15B	CONCRETE PICNIC TABLE WITH ACCESSIBLE COMPANION SEATING. MODEL: Q-RON73T. COLOR: NATURAL. FINISH: HONED. AVAILABLE THROUGH QCP OR APPROVED EQUAL. PH: 530-243-6477.	6/LC-201
	16 ◊	CONCRETE BENCH. MODEL: Q2-RON52B. COLOR: NATURAL. FINISH: HONED. AVAILABLE THROUGH QCP OR APPROVED EQUAL. PH: (866) 703-3434.	2/LC-201
	17A	CONCRETE LARGE LEAF BENCH WITH SKATE DETERENT. MODEL: Q-LEAF-B. COLOR: NATURAL. FINISH: HONED. AVAILABLE THROUGH QCP OR APPROVED EQUAL. PH: (866) 703-3434.	3/LC-201
	17B	CONCRETE SMALL LEAF BENCH WITH SKATE DETERENT. MODEL: Q2LEAF66B. COLOR: NATURAL. FINISH: HONED. AVAILABLE THROUGH QCP OR APPROVED EQUAL. PH: (866) 703-3434.	4/LC-201
	18	CONCRETE TRASH & RECYCLING RECEPTACLE. MODEL: QR-CE3036W-A25. COLOR: NATURAL. FINISH: HONED. STEEL LIDS. BASALT GREY, RAL: 7012. AVAILABLE THROUGH QCP OR APPROVED EQUAL. PH: (866) 703-3434.	1/LC-201
	19	TIMBERCRAFT 6 FT FULL-ROUND LOG SEAT. MODEL: 2216. AVAILABLE THROUGH COLUMBIA CASCADE OR APPROVED EQUAL. PH: (800) 547-1940	6/LC-205
	20A	INTERPRETIVE PANEL 1: NATIVE PLANTS AND THE TONGVA TRIBE. DOUBLE SIDED, SURFACE MOUNTED. AVAILABLE THROUGH IZONE IMAGING OR APPROVED EQUAL. PH:(888) 464-9663.	2/LC-203
	20B	INTERPRETIVE PANEL 2: PLANTS AND BASKET MAKING. OUBLED SIDED, SURFACE MOUNTED. AVAILABLE THROUGH IZONE IMAGING OR APPROVED EQUAL. PH: (888) 464-9663.	2/LC-203
	20C	INTERPRETIVE PANEL 3: TONGVA TOOLS AND TRANSPORTATION. DOUBLED SIDED, SURFACE MOUNTED. AVAILABLE THROUGH IZONE IMAGING OR APPROVED EQUAL. PH: (888) 464-9663.	2/LC-203
	20D	INTERPRETIVE PANEL 4: THE RIVERS WILDLIFE. DOUBLE SIDED, SURFACE MOUNTED. AVAILABLE THROUGH IZONE IMAGING OR APPROVED EQUAL. PH: (888) 464-9663.	2/LC-203
	20E	INTERPRETIVE PANEL 5: THE RIVER'S FUTURE. DOUBLED SIDED, SURFACE MOUNTED. AVAILABLE THROUGH IZONE IMAGING OR APPROVED EQUAL. PH: (888) 464-9663.	2/LC-203
	21	MONUMENT SIGN, SURFACE MOUNTED. AVAILABLE THROUGH SIGN AGE IDENTITY SYSTEMS, INC. OR APPROVED EQUAL. PH: (619) 596-6150. THROUGH SEPERATE PERMIT, SGN2025-00163.	
	22	DEDICATION PLAQUE, SURFACE MOUNTED. ARTWORK PROVIDED BY CITY OF ANAHEIM.	
	23	PARK RULES SIGN. ARTWORK PROVIDED BY CITY OF ANAHEIM.	4/LC-203
	24A	CANOE SCULPTURE PROVIDED BY CITY. FINAL LOCATION SHALL BE APPROVED BY THE CITY PRIOR TO INSTALLING. CONTRACTOR TO MOVE FROM STORAGE LOCATION, DELIVER TO SITE AND INSTALL PER CITY DIRECTION, BOLTED TO CONCRETE PAD.	7/LC-206
	24B	CUSTOM CONCRETE ART 48" X 48" X 19". COLOR: NECTARINE JUICE. FINISH: LIGHT SANDBLAST WITH NANO - NON-SACRIFICIAL SEALER AVAILABLE THROUGH OUTDOOR CREATIONS OR APPROVED EQUAL. PH: (530) 365-6106.	3/LC-203
	25	POETRY STENCILED ON PAVING. COLOR: SKY BLUE.	1,2/LC-214
	26	SOLAR CLOCK WITH BRONZE INLAID NUMBERING.	1/LC-204
	27A	BACK EXTENSION. MODEL: #UBX221. AVAILABLE THROUGH GREENFIELDS OR APPROVED EQUAL. COLOR: SKY BLUE. SURFACE MOUNT PER MANUFACTURERS RECOMENDATION. PH: (888) 315-9037.	9/LC-200
	27B	RECUMBENT BIKE. MODEL: #UBX249. AVAILABLE THROUGH GREENFIELDS OR APPROVED EQUAL. COLOR: SKY BLUE. SURFACE MOUNT PER MANUFACTURERS RECOMENDATION. PH: (888) 315-9037.	9/LC-200
	27C	TRICEP PRESS. MODEL: #UBX244W. AVAILABLE THROUGH GREENFIELDS OR APPROVED EQUAL. COLOR: SKY BLUE. SURFACE MOUNT PER MANUFACTURERS RECOMENDATION. PH: (888) 315-9037.	9/LC-200
	27D	2-PERSON ACCESSIBLE CHEST PRESS. MODEL: #SGR048AW. AVAILABLE THROUGH GREENFIELDS OR APPROVED EQUAL. COLOR: SKY BLUE. SURFACE MOUNT PER MANUFACTURERS RECOMENDATION. PH: (888) 315-9037.	9/LC-200
	27E	LEG EXTENSION AND CURL. MODEL: #UBX221. AVAILABLE THROUGH GREENFIELDS OR APPROVED EQUAL. COLOR: SKY BLUE. SURFACE MOUNT PER MANUFACTURERS RECOMENDATION. PH: (888) 315-9037.	9/LC-200
	27F	STEPPER. MODEL: #UBX292. AVAILABLE THROUGH GREENFIELDS OR APPROVED EQUAL. COLOR: SKY BLUE. SURFACE MOUNT PER MANUFACTURERS RECOMENDATION. PH: (888) 315-9037.	9/LC-200
	27G	ACCESSIBLE ROWER. MODEL: #UBX290W. AVAILABLE THROUGH GREENFIELDS OR APPROVED EQUAL. COLOR: SKY BLUE. SURFACE MOUNT PER MANUFACTURERS RECOMENDATION. PH: (888) 315-9037.	9/LC-200
	28A	PLAY EQUIPMENT: OMNISPIN SPINNER. MODEL: #173591. AVAILABLE THROUGH LANDSCAPE STRUCTURES INC. OR APPROVED EQUAL, PH: (888) 438-6574.	
	28B	PLAY EQUIPMENT: PANELS. MODEL: 1194783- 02-09. AVAILABLE THROUGH LANDSCAPE STRUCTURES INC. OR APPROVED EQUAL. PH: (888) 438-6574.	
	28C	PLAY EQUIPMENT: 5-12 PLAY STRUCTURE. MODEL: 1194783- 02-09. AVAILABLE THROUGH LANDSCAPE STRUCTURES INC. OR APPROVED EQUAL. PH: (888) 438-6574.	1/LC-215
	28D	PLAY EQUIPMENT: CHIMES. MODEL: 1194783- 02-09. AVAILABLE THROUGH LANDSCAPE STRUCTURES INC. OR APPROVED EQUAL. PH: (888) 438-6574.	
	28E	PLAY EQUIPMENT: CHILL SPINNER. MODEL #247189. AVAILABLE THROUGH LANDSCAPE STRUCTURES INC. OR APPROVED EQUAL. PH: (888) 438-6574.	
	28F	PLAY EQUIPMENT: 2-5 PLAY STRUCTURE. MODEL: 1194783- 02-09. AVAILABLE THROUGH LANDSCAPE STRUCTURES INC. OR APPROVED EQUAL. PH: (888) 438-6574.	1/LC-215
	28G	PLAY EQUIPMENT: TWO BAY SWING. MODEL: 1194783- 02-09. AVAILABLE THROUGH LANDSCAPE STRUCTURES INC. OR APPROVED EQUAL. PH: (888) 438-6574.	
	28H	PLAY EQUIPMENT: SEESAW 4-SEATS. MODEL #148637. AVAILABLE THROUGH LANDSCAPE STRUCTURES INC. OR APPROVED EQUAL. PH: (888) 438-6574.	
	28I	2-5 PLAY AREA SIGNAGE	
	28J	5-12 PLAY AREA SIGNAGE	
	29	REMOVEABLE PEDESTRIAN FOOTBRIDGE OVER BIOSWALE. COMPOSITE DECKING. COLOR: ENGLISH WALNUT. AVAILABLE THROUGH TIMBER TECH OR APPROED EQUAL. PH: (1-877) 272-2935.	3/LC-207
	30	LANDSCAPE BOULDERS. VARIOUS SIZES: (A) 2'X2'X2', (B) 3'X3'X3', (C) 4'X4',4'. EXISTING BOULDERS AT ORANGEWOOD TO BE REUSED AND LOCATED PER PLANS. SEE CIVIL FOR MORE INFORMATION.	5/LC-205
	31	PEDESTRIAN SOLAR LIGHTING. COLOR: GREY BROWN, RAL 8019. SEE ELECTRICAL PLANS FOR MORE INFORMATION	ELECTRICAL
	32A	4" WIDE CONCRETE CURB AT DECOMPOSED GRANITE PATH. COLOR: NATURAL GREY. FINISH: MEDIUM BROOM. PSI: 2500. SEE GRA2025-04067 FOR MORE INFORMATION.	5/LC-200
	32B	6" WIDE FLUSH CONCRETE CURB. COLOR: NATURAL GREY. FINISH: MEDIUM BROOM. PSI: 2500. SEE GRA2025-04067 FOR MORE INFORMATION.	5/LC-200
	32C	6" WIDE RAISED CONCRETE CURB. COLOR: NATURAL GREY. FINISH: MEDIUM BROOM. SEE GRA2025-04067 FOR MORE INFORMATION.	6/LC-200
	33	6" WIDE X 16" DEEP CONCRETE CURB AT PLAY AREAS. COLOR: NATURAL GREY. FINISH: MEDIUM BROOM. SEE GRA2025-04067 FOR MORE INFORMATION.	11/LC-200
	34	DEEPEEND CONCRETE EDGE AT DECOMPOSED GRANITE PATH.	4/LC-202
	35	DEEPENED CONCRETE EDGE AT PLAYGROUND.	10/LC-200
	36	PLAYGROUND ACCESSIBLE CONCRETE PATH. COLOR: NATURAL GREY.	4/LC-200
	37	DOG STATION. MODEL: JJB006-GRN. DIRECT IMBED IN CONCRETE FOOTING, INSTALL PER MANUFACTURER'S RECOMENDATIONS. AVAILABLE THROUGH ZEROWASTEUSA.COM. PHONE: (800) 789-2563.	3/LC-206
	38	BIKE RACKS. MODEL 292-00/S-2 AVAILABLE THROUGH DUMOR. COLOR: A: CERULEAN, COLOR B: APPLE GREEN, COLOR C: SKY BLUE. ONE OF EACH COLOR AT EACH LOCATION. PH: (800) 598-4018	8/LC-200
	39	30 IN X 48 IN CLEAR FLOOR SPACE	
	40	INTERNATIONAL SYMBOL OF ACCESIBILTY SIGNAGE.	3/LC-205
	41	BOLLARDS. MODEL: 400-42. COLOR: BLACK. AVAILABLE THROUGH DUMOR. OR APPROVED EQUAL. PH: (800) 789-2563.	5/LC-206
	43	TRASH RACK. SEE GRA2025-04067 FOR MORE INFORMATION.	
	44	KNOX BOX ATTACHED TO GATE POST	4/LC-206
	45	PROPOSED TREE. SEE PLANTING PLANS FOR MORE INFORMATION	
	46	DOMESTIC WATER METER,FOR MORE INFORMATION SEE PERMIT UWM2025-00102.	DW1.0
	47	IRRIGATION WATER METER. SEE IRRIGATION PLANS FOR MORE INFORMATION, PERMIT UWM2025-00102.	
	48	BACKFLOW PREVENTERS. SEE IRRIGATION PLANS FOR MORE INFORMATION.	LI-101
	49	IRRIGATION CONTROLLER AND ELECTRICAL METER PEDESTAL. SEE IRRIGATION AND ELECTRICAL PLANS FOR MORE INFORMATION.	LI-101 E-201
	50	ELECTRICAL TRANSFORMER PER PERMIT UEC2026-00129. DRAWING NUMBER R-2350. SEE ELECTRICAL PLANS FOR MORE INFORMATION.	E-101
	51	ELECTRICAL PULL BOX	
	52	GATE LATCH POST	6/LC-206
	53	EXISTING TREE TO REMAIN, PROTECT IN PLACE	EXISTING
	54	EXISTING OCWD PULL BOX TO REMAIN, PROTECT IN PLACE	EXISTING
	55	EXISTING OC SANITATION MANHOLE TO REMAIN, PROTECT IN PLACE	EXISTING
	56	EXISTING 8' HIGH WELDED WIRE MESH SECURITY FENCE TO REMAIN, PROTECT IN PLACE.	EXISTING
	57	EXISTING RIP-RAP TO REMAIN. PROTECT IN PLACE.	EXISTING
	58A	EXISTING GATE TO REMAIN.	EXISTING
	58B	EXISTING GATE TO BE RELOCATED, SEE GRADING PERMIT GRA2025-04067	EXISTING
	59	EDGE OF EXISTING AC PAVING.	EXISTING
	60	PROPOSED 6' HIGH CHAINLINK FABRIC- CONNECT TO EXISTING POSTS.	EXISTING
	61	EXISTING CMU WALL TO BE PAINTED. PAINT COLOR: RUSTIC TAUPE DE 6129. AVAILABLE THROUGH DUNN EDWARDS PAINTS OR APPROVED EQUAL. PH: (888) 337-2468.	EXISTING
	PA	PLANTING AREA. SEE PLANTING PLANS	

NOTE: ALL HARDSCAPE SURFACING CONSTRUCTION INCLUDING CURBS, GUTTERS, AND PAVING SHALL BE SHOWN ON AND BUILT PER GRADING PLANS. SEE GRA2025-04067 FOR MORE INFORMATION.

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82

LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER

ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

ADD ALTERNATES

◊ CONCRETE BENCH TO BE REPLACED WITH BENCH SWING. MODEL: 11357. AVAILABLE THROUGH ICON OR APPROVED EQUAL. PH (616)396-0919 — LC-213, LC-214

SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
SEE SHEET LC-100 FOR LANDSCAPE CONSTRUCTION LEGEND
SEE SHEETS LC-101 - LC-105 FOR LANDSCAPE CONSTRUCTION PLANS
SEE SHEETS LC-200 - LC-214 FOR LANDSCAPE CONSTRUCTION DETAILS

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

LICENSED LANDSCAPE ARCHITECT — JEFFREY T. BARR No. 5208 — SIGNATURE — 12-31-26 RENEWAL DATE — 05-12-26 DATE — STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION LEGEND | LC-100

SITE ADDRESS: RIVER PARK, 2445 EAST ORANGEWOOD AVE., ANAHEIM, CA 92806 | BLD2025-04799 | SHEET 4 OF 62

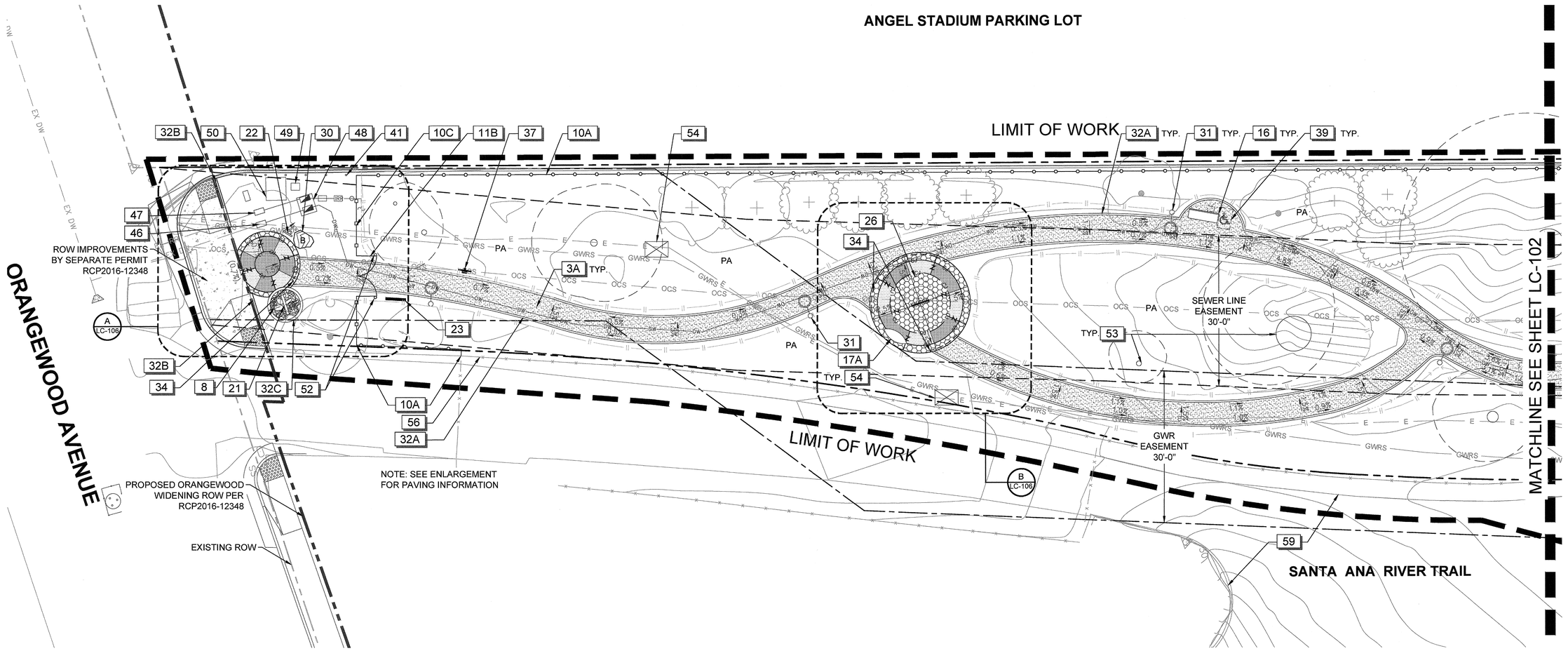
SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

CITY OF ANAHEIM | D-XXX

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

FOR CITY USE ONLY

PLOT DATE: 09/11/2025



LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE
- GWR EASEMENT
- SEWER LINE EASEMENT
- FLOOD CONTROL EMERGENCY ACCESS

0 5 10 20

SCALE : 1" = 10'-0"

NORTH

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

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REVISIONS

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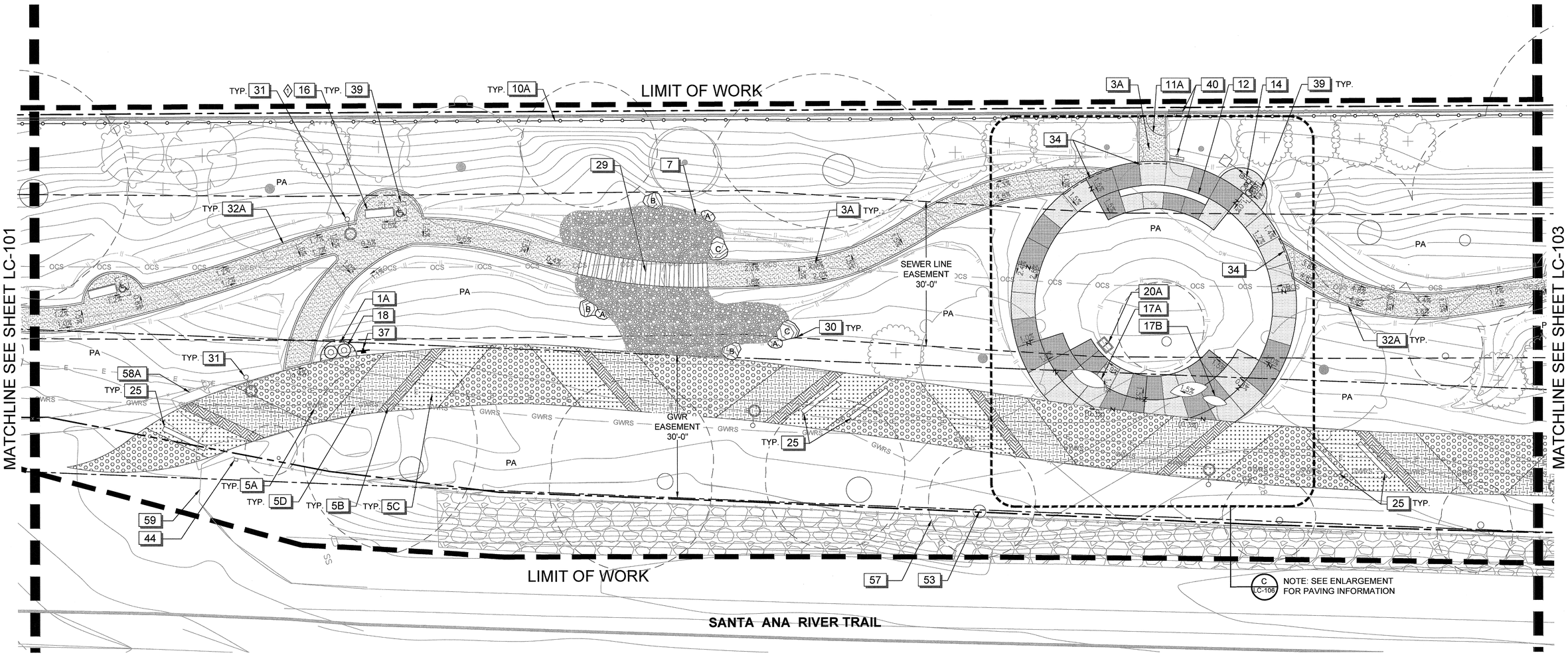
SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
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LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No 5205
SIGNATURE 12-31-26
RENEWAL DATE 05-12-26
DATE
STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION PLAN	LC-101
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799
	SHEET 5 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM	D-XXX

PLOT DATE: 09/11/2025



LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE
- GWR EASEMENT
- SEWER LINE EASEMENT
- FLOOD CONTROL EMERGENCY ACCESS

0 5 10 20

SCALE : 1" = 10'-0"

NORTH

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

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NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82
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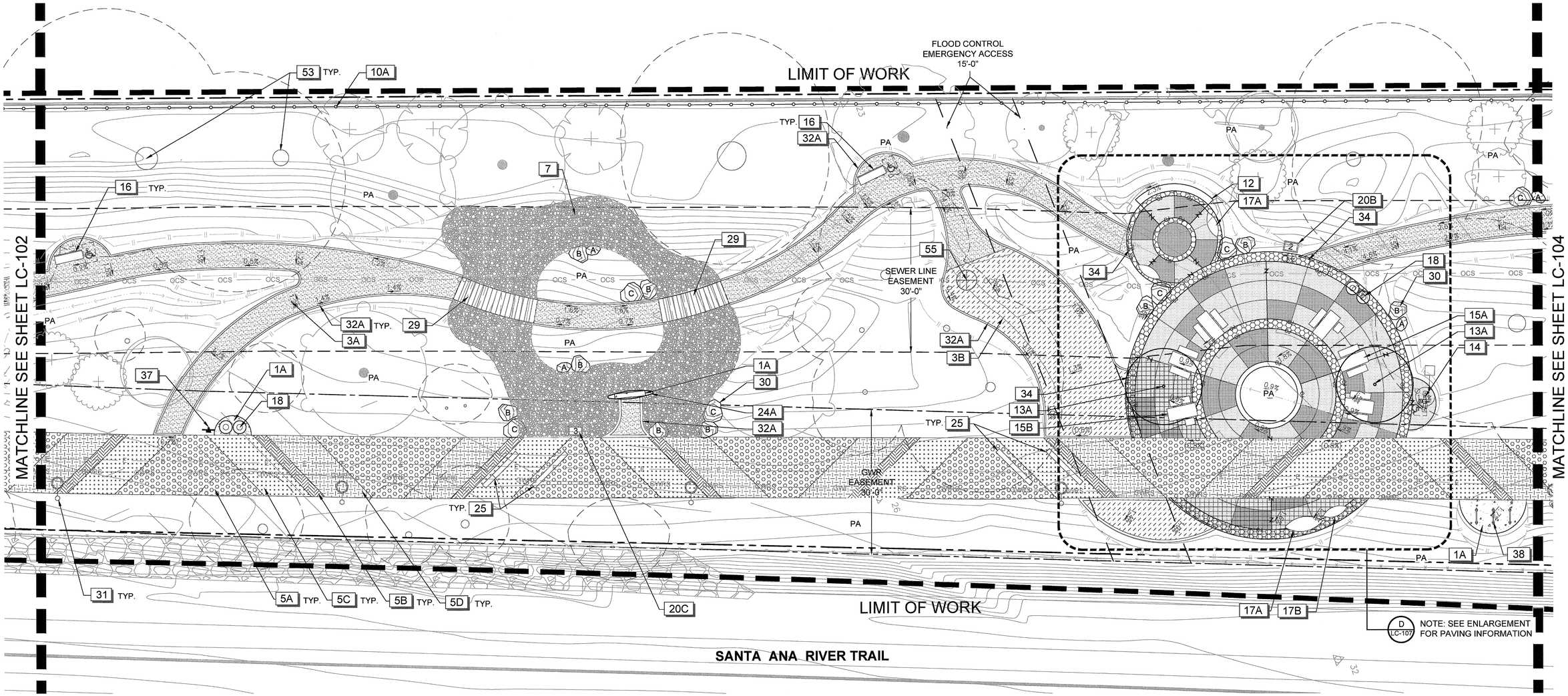
SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
SEE SHEET LC-100 FOR LANDSCAPE CONSTRUCTION LEGEND
SEE SHEETS LC-101 - LC-105 FOR LANDSCAPE CONSTRUCTION PLANS
SEE SHEETS LC-200 - LC-214 FOR LANDSCAPE CONSTRUCTION DETAILS

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LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5209
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION PLAN	LC-102
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799
	SHEET 6 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM	D-XXX

PLOT DATE: 09/11/2025



LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE
- GWR EASEMENT
- SEWER LINE EASEMENT
- FLOOD CONTROL EMERGENCY ACCESS

0 5 10 20

SCALE : 1" = 10'-0"

NORTH

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

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LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER

ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
SEE SHEET LC-100 FOR LANDSCAPE CONSTRUCTION LEGEND
SEE SHEETS LC-101 - LC-105 FOR LANDSCAPE CONSTRUCTION PLANS
SEE SHEETS LC-200 - LC-214 FOR LANDSCAPE CONSTRUCTION DETAILS

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LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5205
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION PLAN | LC-103

SITE ADDRESS: RIVER PARK
2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

BLD2025-04799

SHEET 7 OF 62

SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

CITY OF ANAHEIM | D-XXX

PLOT DATE: 09/11/2025

LIMIT OF WORK

MATCHLINE SEE SHEET LC-103

MATCHLINE SEE SHEET LC-105

SEWER LINE EASEMENT 30'-0"

GWR EASEMENT 30'-0"

SANTA ANA RIVER TRAIL

LIMIT OF WORK

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

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LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE
- GWR EASEMENT
- SEWER LINE EASEMENT
- FLOOD CONTROL EMERGENCY ACCESS

0 5 10 20

SCALE : 1" = 10'-0"

NORTH

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82

LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER

ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

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SEE SHEET LC-100 FOR LANDSCAPE CONSTRUCTION LEGEND
SEE SHEETS LC-101 - LC-105 FOR LANDSCAPE CONSTRUCTION PLANS
SEE SHEETS LC-200 - LC-214 FOR LANDSCAPE CONSTRUCTION DETAILS

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JEFFREY T. BARR No. 5209
SIGNATURE
12-31-26
RENEWAL DATE
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DATE
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LANDSCAPE CONSTRUCTION PLAN | LC-104

SITE ADDRESS: RIVER PARK
2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

BLD2025-04799

SHEET 8 OF 62

SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

CITY OF ANAHEIM | D-XXX

PLOT DATE: 09/11/2025

NOTE: SEE ENLARGEMENT FOR PAVING INFORMATION

NOTE: SEE ENLARGEMENT FOR PAVING INFORMATION

LIMIT OF WORK

MATCHLINE SEE SHEET LC-104

LIMIT OF WORK

LIMIT OF WORK

SANTA ANA RIVER TRAIL

SEWER LINE EASEMENT 30'-0"

GWR EASEMENT 30'-0"

RE-USE EXISTING WIRE MESH PANELS THAT WERE SALVAGED DURING DEMOLITION.

LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE
- GWR EASEMENT
- SEWER LINE EASEMENT
- FLOOD CONTROL EMERGENCY ACCESS

0 5 10 20

SCALE : 1" = 10'-0"

NORTH

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

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SEE SHEETS LC-101 - LC-105 FOR LANDSCAPE CONSTRUCTION PLANS
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619.2361462
LIC. CA 2138 | NV 219 | AZ 34139
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LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 6209
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

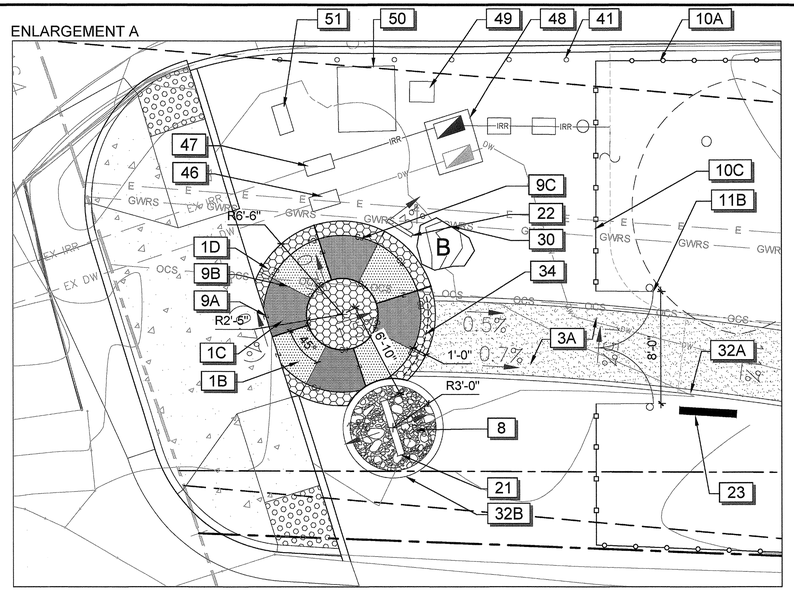
LANDSCAPE CONSTRUCTION PLAN	LC-105
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799
	SHEET 9 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM	D-XXX

PLOT DATE: 09/11/2025

REFERENCE NOTES

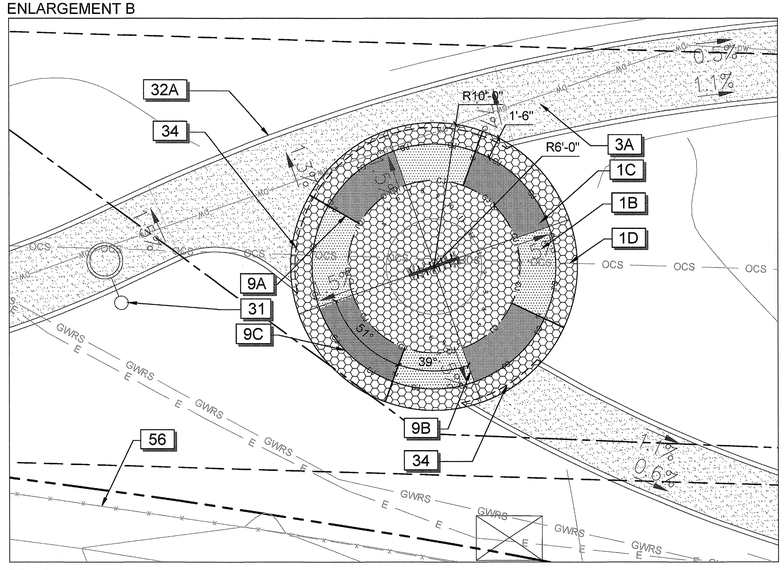
SYMBOL	CODE	DESCRIPTION	DETAIL
	1B	ENHANCED PEDESTRIAN CONCRETE PAVING. COLOR: OMAHA TAN 5084 BY DAVIS COLORS. FINISH: TOPCAST #3. AGGREGATE: 1/4 IN - 3/8 IN. AGGREGATE COLOR: BIRDSEYE BROWN. PSI: 2500. FINAL COLOR AND TEXTURE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	1C	ENHANCED PEDESTRIAN CONCRETE PAVING. COLOR: OMAHA TAN 5084 BY DAVIS COLORS. FINISH: TOPCAST #3. AGGREGATE: 1/4 IN - 3/8 IN. AGGREGATE COLOR: BIRDSEYE BROWN. APPLY MEDIUM SANDBLAST FINISH AFTER INITIAL CURING. PSI: 2500. FINAL COLOR AND TEXTURE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	1D	ENHANCED PEDESTRIAN CONCRETE PAVING. COLOR: ADOBE 61078 BY DAVIS COLORS. FINISH: TOPCAST #3. PSI: 2500. FINAL COLOR AND TEXTURE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	3A	PEDESTRIAN STABILIZED DECOMPOSED GRANITE WITH 4" CONCRETE MOWCURB HEADER. COLOR: GAILS GOLD. DG AVAILABLE THROUGH GAIL MATERIALS. PH: (951) 667-6106. PX300 STABILIZER AVAILABLE THROUGH INTEGRATED 8A SOLUTIONS. PH: (949) 675-9934. SEE GRA2025-04067 FOR MORE INFORMATION.	4/LC-202
	8	COBBLE WET-SET IN CONCRETE. COLOR: SIERRA COBBLE 4"-10" SET IN 2500 PSI SILCA GROUT NATURAL COLOR. AVAILABLE THROUGH SOUTHWEST BOULDER & STONE. SEE GRA2025-04067 FOR MORE INFORMATION.	7/LC-201
	9A	EXPANSION JOINT	2/LC-200
	9B	SCORE JOINT. SAW CUT FOR STRAIGHT JOINTS, TROWEL FOR CURVED JOINTS.	2/LC-200
	9C	COLD JOINT	3/LC-200
	10A	8' HT WIRE MESH PANEL FENCE. COLOR: BLACK. AVAILABLE THROUGH BETAFENCE OR APPROVED EQUAL. PH: (972) 878-7000	1/LC-202
	10C	8' HT DECORATIVE FENCE. PATTERN: THATCH. COLOR: BLACK. AVAILABLE THROUGH ARTISAN PANELS. PH: (714) 351-3234.	3/LC-202
	11A	8' HT X 4' WIDE WIRE MESH MAINTENANCE GATE. COLOR: BLACK. AVAILABLE THROUGH BETAFENCE OR APPROVED EQUAL. PH: (972) 878-7000.	2/LC-202
	11B	8' HT X 8' WIDE (4' EACH PANEL) DOUBLE DECORATIVE GATE. PATTERN: THATCH. COLOR: BLACK.	3/LC-202
	12	18" HT. X 18" WIDE CONCRETE SEAT WALL. COLOR: NATURAL GREY. FINISH: GCP-EUROTARD #15.	4/LC-205
	14	ACCESSIBLE OUTDOOR VANDAL-RESISTANT STAINLESS STEEL PEDESTAL DRINKING FOUNTAIN WITH PET BOWL AND SAND TRAP AND DEEP WELL CONNECTION. MODEL: 3612 WITH 3670 PET BOWL. SURFACE MOUNTED. COLOR: SILVER. SANDTRAP MODEL: 6611. AVAILABLE THROUGH HAWS. PH: (888) 640-4297	1/LC-205
	20A	INTERPRETIVE PANEL 1: NATIVE PLANTS AND THE TONGVA TRIBE. DOUBLE SIDED, SURFACE MOUNTED. AVAILABLE THROUGH IZONE IMAGING OR APPROVED EQUAL. PH:(888) 464-9663.	2/LC-203
	21	MONUMENT SIGN, SURFACE MOUNTED. AVAILABLE THROUGH SIGN AGE IDENTITY SYSTEMS, INC. OR APPROVED EQUAL. PH: (619) 596-6150. THROUGH SEPERATE PERMIT, SGN2025-00163.	
	22	DEDICATION PLAQUE, SURFACE MOUNTED. ARTWORK PROVIDED BY CITY OF ANAHEIM.	
	23	PARK RULES SIGN. ARTWORK PROVIDED BY CITY OF ANAHEIM.	4/LC-203
	30	LANDSCAPE BOULDERS. VARIOUS SIZES: (A) 2'X2'X2', (B) 3'X3'X3', (C) 4'X4',4'. EXISTING BOULDERS AT ORANGEWOOD TO BE REUSED AND LOCATED PER PLANS. SEE CIVIL FOR MORE INFORMATION.	5/LC-205
	31	PEDESTRIAN SOLAR LIGHTING. COLOR: GREY BROWN, RAL 8019. SEE ELECTRICAL PLANS FOR MORE INFORMATION	
	32A	4" WIDE CONCRETE CURB AT DECOMPOSED GRANITE PATH. COLOR: NATURAL GREY. FINISH: MEDIUM BROOM. PSI: 2500. SEE GRA2025-04067 FOR MORE INFORMATION.	5/LC-200

ENLARGEMENT A



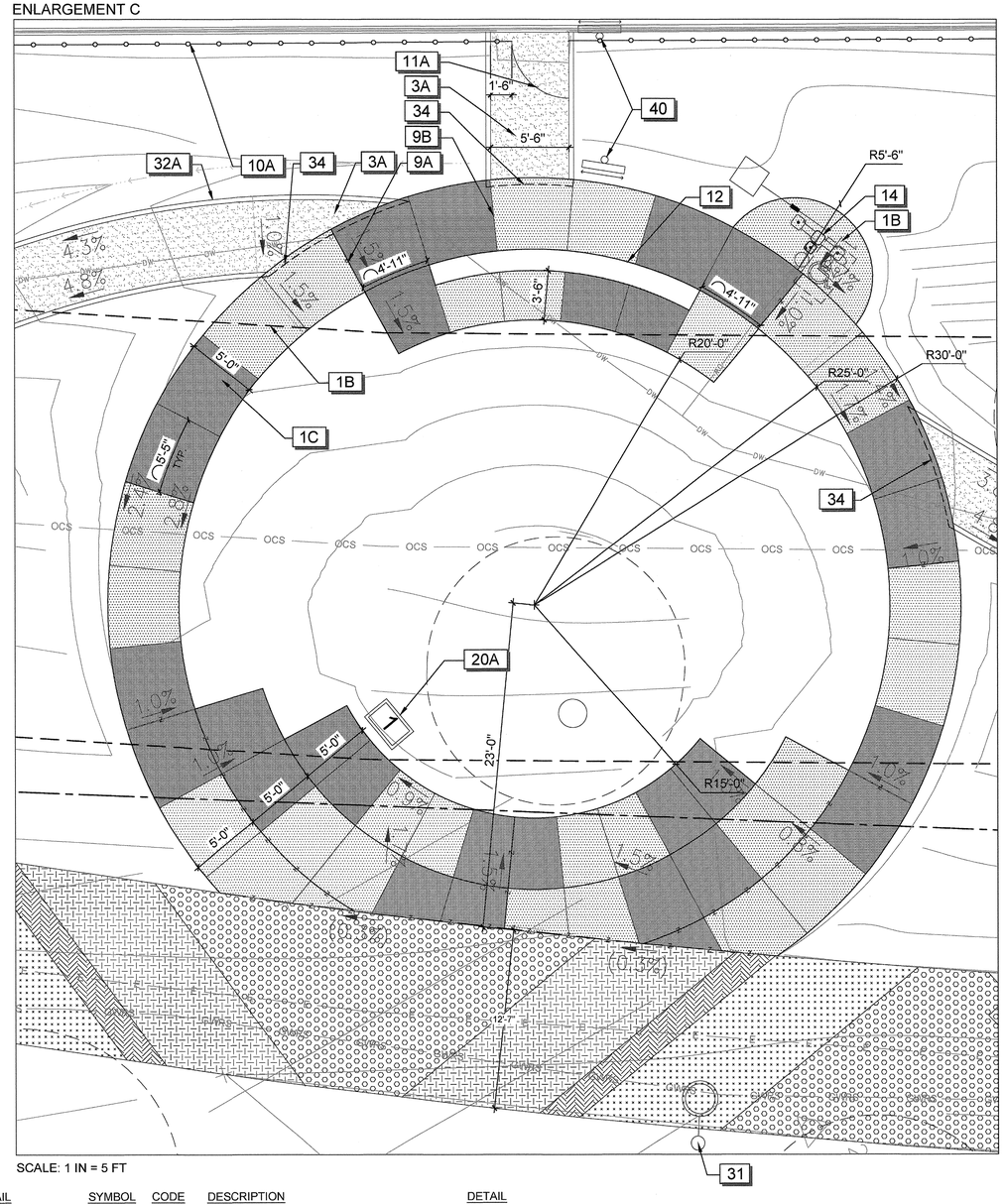
SCALE: 1 IN = 5 FT

ENLARGEMENT B



SCALE: 1 IN = 5 FT

ENLARGEMENT C



SCALE: 1 IN = 5 FT

SYMBOL	CODE	DESCRIPTION	DETAIL
	32B	6" WIDE FLUSH CONCRETE CURB. COLOR: NATURAL GREY. FINISH: MEDIUM BROOM. PSI: 2500. SEE GRA2025-04067 FOR MORE INFORMATION.	5/LC-200
	34	DEEPEEND CONCRETE EDGE AT DECOMPOSED GRANITE PATH.	4/LC-202
	40	INTERNATIONAL SYMBOL OF ACCESIBILTY SIGNAGE.	3/LC-205
	41	BOLLARDS. MODEL: 400-42. COLOR: BLACK. AVAILABLE THROUGH DUMOR. OR APPROVED EQUAL. PH: (800) 789-2563.	5/LC-206
	46	DOMESTIC WATER METER,FOR MORE INFORMATION SEE PERMIT UWM2025-00102.	

SYMBOL	CODE	DESCRIPTION	DETAIL
	47	IRRIGATION WATER METER. SEE IRRIGATION PLANS FOR MORE INFORMATION, PERMIT UWM2025-00102.	
	48	BACKFLOW PREVENTERS. SEE IRRIGATION PLANS FOR MORE INFORMATION.	
	49	IRRIGATION CONTROLLER AND ELECTRICAL METER PEDESTAL. SEE IRRIGATION AND ELECTRICAL PLANS FOR MORE INFORMATION.	
	50	ELECTRICAL TRANSFORMER PER PERMIT UEC2026-00129. DRAWING NUMBER R-2350. SEE ELECTRICAL PLANS FOR MORE INFORMATION.	
	51	ELECTRICAL PULL BOX	

SYMBOL	CODE	DESCRIPTION	DETAIL
	52	GATE LATCH POST	6/LC-206
	56	EXISTING 8' HIGH WELDED WIRE MESH SECURITY FENCE TO REMAIN, PROTECT IN PLACE.	EXISTING

LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE
- GWR EASEMENT
- SEWER LINE EASEMENT
- FLOOD CONTROL EMERGENCY ACCESS

NORTH

SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
SEE SHEET LC-100 FOR LANDSCAPE CONSTRUCTION LEGEND
SEE SHEETS LC-101 - LC-105 FOR LANDSCAPE CONSTRUCTION PLANS
SEE SHEETS LC-200 - LC-214 FOR LANDSCAPE CONSTRUCTION DETAILS

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.2363462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5208
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION ENLARGEMENT | L-106

SITE ADDRESS: RIVER PARK
2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

BLD2025-04799
SHEET 10 OF 62

SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

CITY OF ANAHEIM | D-XXX

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

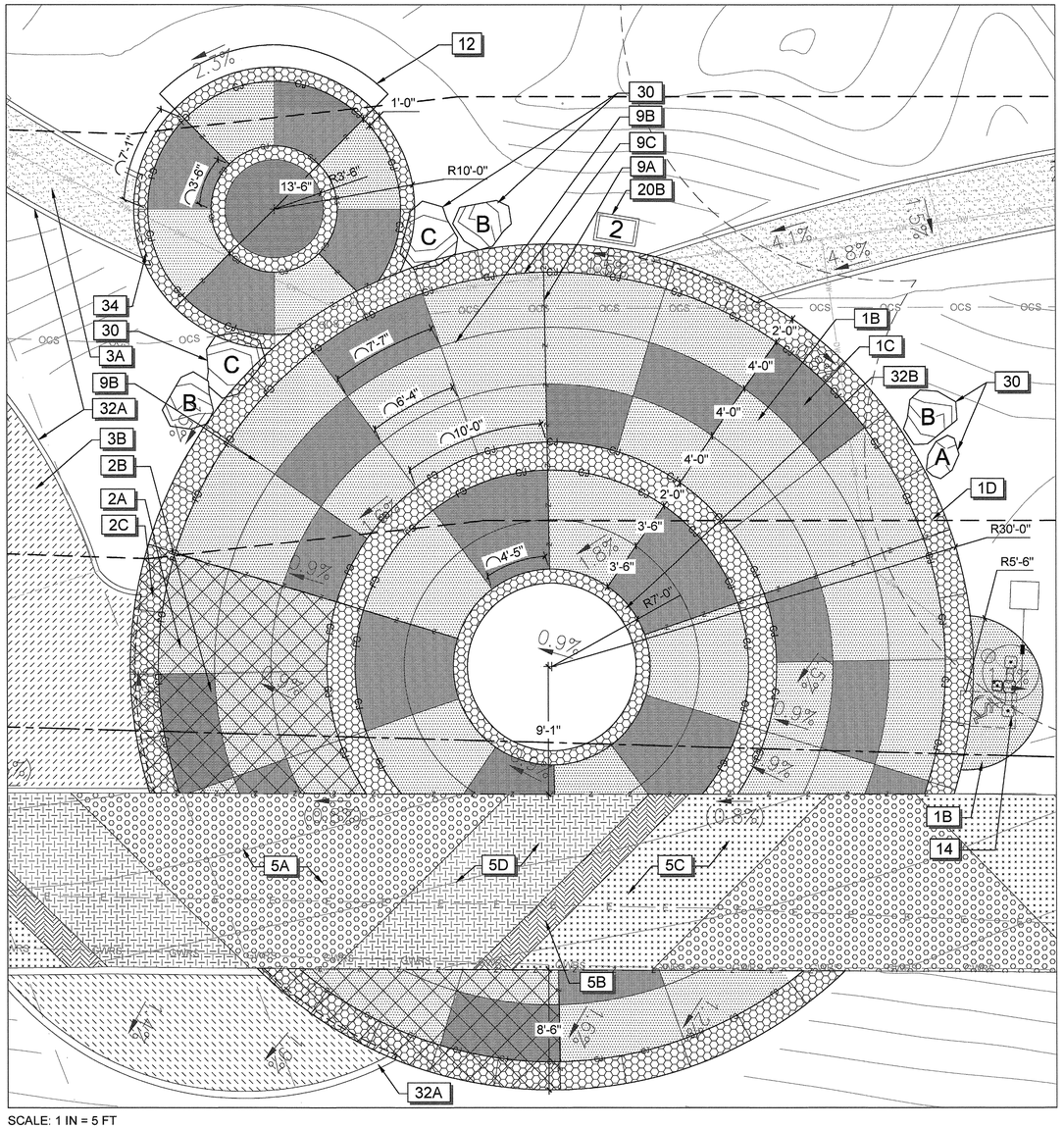
FOR CITY USE ONLY

PLOT DATE: 09/11/2025

REFERENCE NOTES

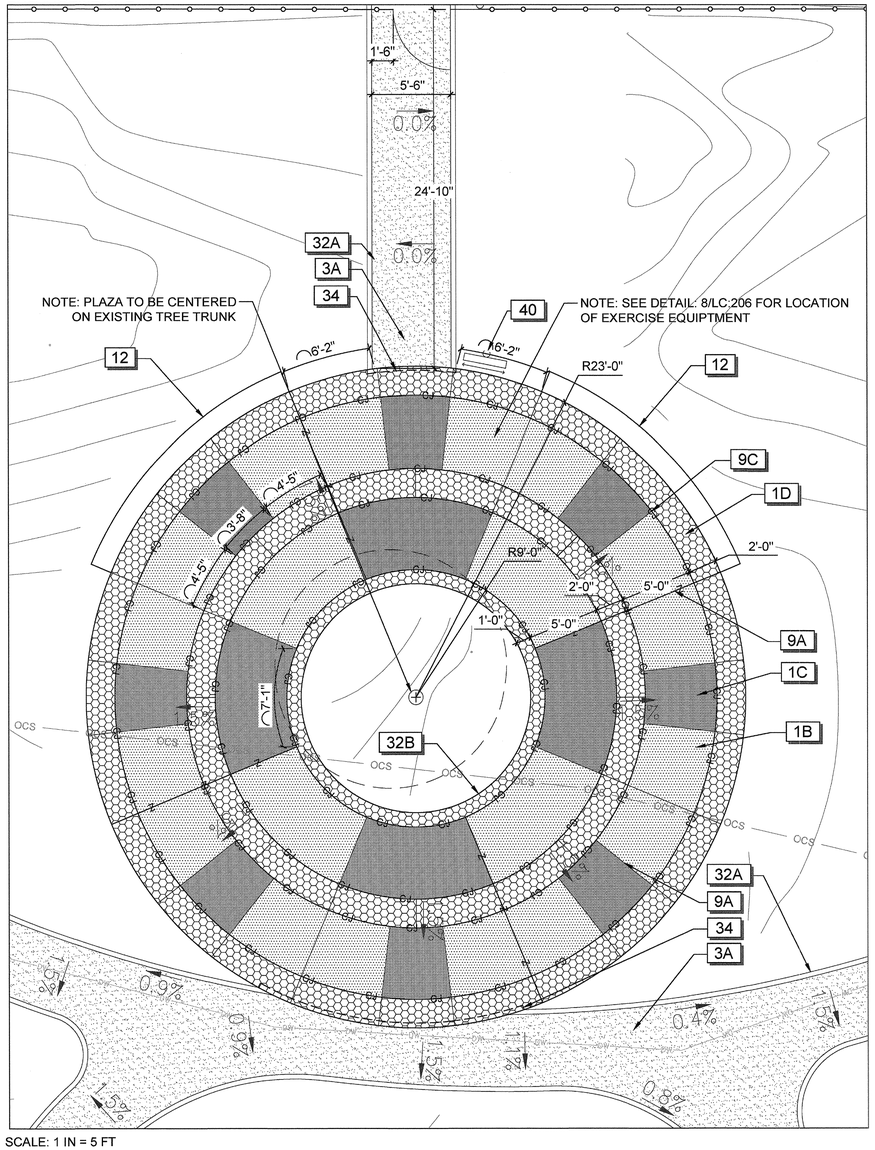
	1B	ENHANCED PEDESTRIAN CONCRETE PAVING. COLOR: OMAHA TAN 5084 BY DAVIS COLORS. FINISH: TOPCAST #3. AGGREGATE: 1/4 IN - 3/8 IN. AGGREGATE COLOR: BIRDSEYE BROWN. PSI: 2500. FINAL COLOR AND TEXTURE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	1C	ENHANCED PEDESTRIAN CONCRETE PAVING. COLOR: OMAHA TAN 5084 BY DAVIS COLORS. FINISH: TOPCAST #3. AGGREGATE: 1/4 IN - 3/8 IN. AGGREGATE COLOR: BIRDSEYE BROWN. APPLY MEDIUM SANDBLAST FINISH AFTER INITIAL CURING. PSI: 2500. FINAL COLOR AND TEXTURE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	1D	ENHANCED PEDESTRIAN CONCRETE PAVING. COLOR: ADOBE 61078 BY DAVIS COLORS. FINISH: TOPCAST #3. PSI: 2500. FINAL COLOR AND TEXTURE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	2A	ENHANCED VEHICULAR CONCRETE PAVING. COLOR: OMAHA 5084 BY DAVIS COLORS. FINISH: TOPCAST #3. AGGREGATE: 1/4 IN - 3/8 IN. AGGREGATE COLOR: BIRDSEYE BROWN. PSI: 3250. FINAL COLOR AND TEXTURE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	2B	ENHANCED VEHICULAR CONCRETE PAVING. COLOR: OMAHA 5084 BY DAVIS COLORS. FINISH: TOPCAST #3. AGGREGATE: 1/4 IN - 3/8 IN. AGGREGATE COLOR: BIRDSEYE BROWN. PSI: 3250. APPLY MEDIUM SANDBLAST FINISH AFTER CURING. FINAL COLOR AND TEXTURE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	2C	ENHANCED VEHICULAR CONCRETE PAVING. COLOR: ADOBE 61078 BY DAVIS COLORS. FINISH: TOPCAST #3. PSI: 3250. FINAL COLOR AND TEXTURE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	3A	PEDESTRIAN STABILIZED DECOMPOSED GRANITE WITH 4" CONCRETE MOWCURB HEADER. COLOR: GAILS GOLD. DG AVAILABLE THROUGH GAIL MATERIALS. PH: (951) 667-6106. PX300 STABILIZER AVAILABLE THROUGH INTEGRATED 8A SOLUTIONS. PH: (949) 675-9934. SEE GRA2025-04067 FOR MORE INFORMATION.	4/LC-202
	3B	VEHICULAR STABILIZED DECOMPOSED GRANITE WITH 4" CONCRETE MOWCURB HEADER. COLOR: GAILS GOLD. DG AVAILABLE THROUGH GAIL MATERIALS. PH: (951) 667-6106. PX300 STABILIZER AVAILABLE THROUGH INTEGRATED 8A SOLUTIONS. PH: (949) 675-9934. SEE GRA2025-04067 FOR MORE INFORMATION.	4/LC-202
	5A	GAF STREETBOND 150 PAVEMENT COATING. STREETBOND COLOR: CERULEAN. HEX #006E90. AVAILABLE THROUGH SIPLAST OR APPROVED EQUAL. PH: (800) 922-8800. SEE CIVIL PLANS, C-7.0 FOR ADDITIONAL INFORMATION, GRA2025-04067.	1/LC-206
	5B	GAF STREETBOND 150 PAVEMENT COATING. STREETBOND COLOR: CARROT ORANGE. HEX # F18F01 AVAILABLE THROUGH SIPLAST OR APPROVED EQUAL. PH: (800) 922-8800. SEE CIVIL PLANS, C-7.0 FOR ADDITIONAL INFORMATION, GRA2025-04067.	1/LC-206
	5C	GAF STREETBOND 150 PAVEMENT COATING. STREETBOND COLOR: APPLE GREEN. HEX # A5BE00. AVAILABLE THROUGH SIPLAST OR APPROVED EQUAL. PH: (800) 922-8800. SEE CIVIL PLANS, C-7.0 FOR ADDITIONAL INFORMATION, GRA2025-04067.	1/LC-206
	5D	GAF STREETBOND 150 PAVEMENT COATING. STREETBOND COLOR: SKY BLUE. HEX # 41BBD9. AVAILABLE THROUGH SIPLAST OR APPROVED EQUAL. PH: (800) 922-8800. SEE CIVIL PLANS, C-7.0 FOR ADDITIONAL INFORMATION, GRA2025-04067.	1/LC-206
EJ	9A	EXPANSION JOINT	2/LC-200
	9B	SCORE JOINT. SAW CUT FOR STRAIGHT JOINTS, TROWEL FOR CURVED JOINTS.	2/LC-200
CJ	9C	COLD JOINT	3/LC-200

ENLARGEMENT D



SCALE: 1 IN = 5 FT

ENLARGEMENT E



SCALE: 1 IN = 5 FT

SYMBOL	CODE	DESCRIPTION	DETAIL
	11A	8' HT X 4' WIDE WIRE MESH MAINTENANCE GATE. COLOR: BLACK. AVAILABLE THROUGH BETAFENCE OR APPROVED EQUAL. PH: (972) 878-7000.	2/LC-202
	12	18" HT. X 18" WIDE CONCRETE SEAT WALL. COLOR: NATURAL GREY. FINISH: GCP-EUROTARD #15.	4/LC-205
	14	ACCESSIBLE OUTDOOR VANDAL-RESISTANT STAINLESS STEEL PEDESTAL DRINKING FOUNTAIN WITH PET BOWL AND SAND TRAP AND DEEP WELL CONNECTION. MODEL: 3612 WITH 3670 PET BOWL. SURFACE MOUNTED. COLOR: SILVER. SANDTRAP MODEL: 6611. AVAILABLE THROUGH HAWS. PH: (888) 640-4297	1/LC-205

SYMBOL	CODE	DESCRIPTION	DETAIL
	20B	INTERPRETIVE PANEL 2: PLANTS AND BASKET MAKING. OUBLED SIDED, SURFACE MOUNTED. AVAILABLE THROUGH IZONE IMAGING OR APPROVED EQUAL. PH: (888) 464-9663.	2/LC-203
	30	LANDSCAPE BOULDERS. VARIOUS SIZES: (A) 2'X2'X2', (B) 3'X3'X3', (C) 4'X4'.4'. EXISTING BOULDERS AT ORANGEWOOD TO BE REUSED AND LOCATED PER PLANS. SEE CIVIL FOR MORE INFORMATION.	5/LC-205
	32A	4" WIDE CONCRETE CURB AT DECOMPOSED GRANITE PATH. COLOR: NATURAL GREY. FINISH: MEDIUM BROOM. PSI: 2500. SEE GRA2025-04067 FOR MORE INFORMATION.	5/LC-200
	32B	6" WIDE FLUSH CONCRETE CURB. COLOR: NATURAL GREY. FINISH: MEDIUM BROOM. PSI: 2500. SEE GRA2025-04067 FOR MORE INFORMATION.	5/LC-200

SYMBOL	CODE	DESCRIPTION	DETAIL
	34	DEEPEEND CONCRETE EDGE AT DECOMPOSED GRANITE PATH.	4/LC-202
	40	INTERNATIONAL SYMBOL OF ACCESIBILTY SIGNAGE.	3/LC-205

LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE
- GWR EASEMENT
- SEWER LINE EASEMENT
- FLOOD CONTROL EMERGENCY ACCESS

NORTH

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

FOR CITY USE ONLY

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK
1L-53-82

LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER

ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
SEE SHEET LC-100 FOR LANDSCAPE CONSTRUCTION LEGEND
SEE SHEETS LC-101 - LC-105 FOR LANDSCAPE CONSTRUCTION PLANS
SEE SHEETS LC-200 - LC-214 FOR LANDSCAPE CONSTRUCTION DETAILS

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5205
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION ENLARGEMENT | L-107

SITE ADDRESS: RIVER PARK
2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

BLD2025-04799

SHEET 11 OF 62

SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

CITY OF ANAHEIM | D-XXX

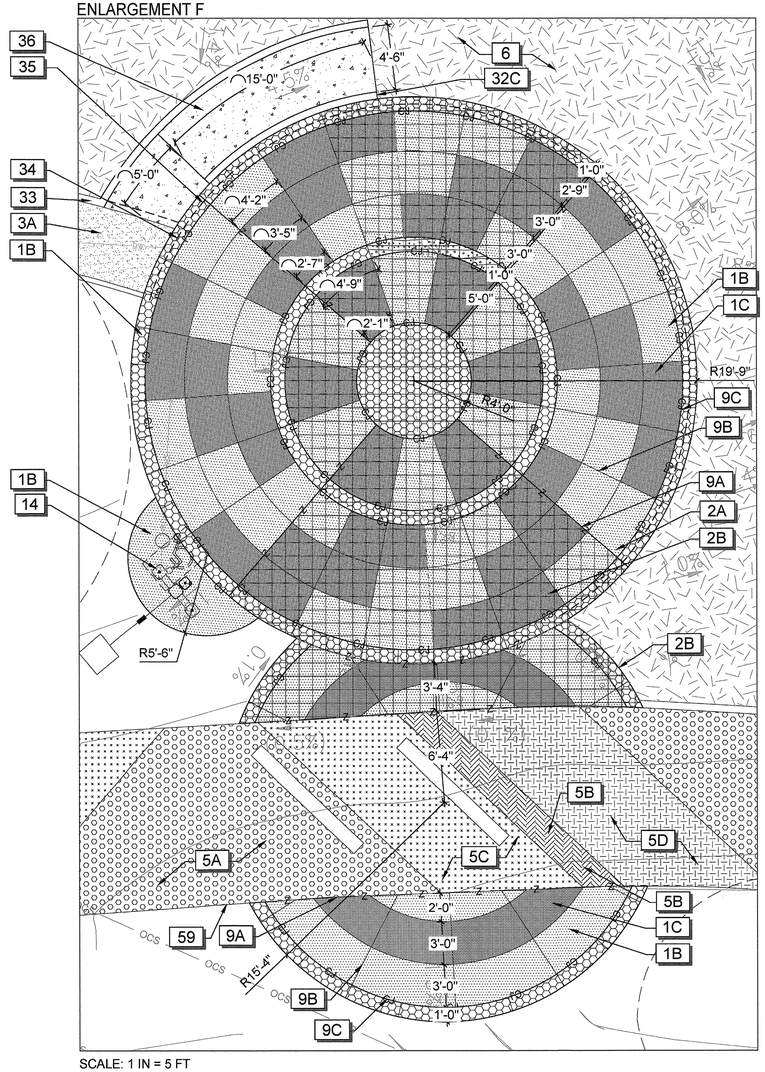
PLOT DATE: 09/11/2025

REFERENCE NOTES

SYMBOL	CODE	DESCRIPTION	DETAIL
	1A	PEDESTRIAN CONCRETE PAVING. COLOR: NATURAL GREY. FINISH: MEDIUM BROOM. PSI: 3250. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	1B	ENHANCED PEDESTRIAN CONCRETE PAVING. COLOR: OMAHA TAN 5084 BY DAVIS COLORS. FINISH: TOPCAST #3. AGGREGATE: 1/4 IN - 3/8 IN. AGGREGATE COLOR: BIRDSEYE BROWN. PSI: 2500. FINAL COLOR AND TEXTURE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	1C	ENHANCED PEDESTRIAN CONCRETE PAVING. COLOR: OMAHA TAN 5084 BY DAVIS COLORS. FINISH: TOPCAST #3. AGGREGATE: 1/4 IN - 3/8 IN. AGGREGATE COLOR: BIRDSEYE BROWN. APPLY MEDIUM SANDBLAST FINISH AFTER INITIAL CURING. PSI: 2500. FINAL COLOR AND TEXTURE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	1D	ENHANCED PEDESTRIAN CONCRETE PAVING. COLOR: ADOBE 61078 BY DAVIS COLORS. FINISH: TOPCAST #3. PSI: 2500. FINAL COLOR AND TEXTURE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	2A	ENHANCED VEHICULAR CONCRETE PAVING. COLOR: OMAHA 5084 BY DAVIS COLORS. FINISH: TOPCAST #3. AGGREGATE: 1/4 IN - 3/8 IN. AGGREGATE COLOR: BIRDSEYE BROWN. PSI: 3250. FINAL COLOR AND TEXTURE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	2B	ENHANCED VEHICULAR CONCRETE PAVING. COLOR: OMAHA 5084 BY DAVIS COLORS. FINISH: TOPCAST #3. AGGREGATE: 1/4 IN - 3/8 IN. AGGREGATE COLOR: BIRDSEYE BROWN. PSI: 3250. APPLY MEDIUM SANDBLAST FINISH AFTER CURING. FINAL COLOR AND TEXTURE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	2C	ENHANCED VEHICULAR CONCRETE PAVING. COLOR: ADOBE 61078 BY DAVIS COLORS. FINISH: TOPCAST #3. PSI: 3250. FINAL COLOR AND TEXTURE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. SEE GRA2025-04067 FOR MORE INFORMATION.	1/LC-200
	3A	PEDESTRIAN STABILIZED DECOMPOSED GRANITE WITH 4" CONCRETE MOWCURB HEADER. COLOR: GAILS GOLD. DG AVAILABLE THROUGH GAIL MATERIALS. PH: (951) 667-6106. PX300 STABILIZER AVAILABLE THROUGH INTEGRATED 8A SOLUTIONS. PH: (949) 675-9934. SEE GRA2025-04067 FOR MORE INFORMATION.	4/LC-202
	4	VEHICULAR AC PAVING PER CIVIL, SEE GRA2025-04067.	
	5A	GAF STREETBOND 150 PAVEMENT COATING. STREETBOND COLOR: CERULEAN. HEX #006E90 AVAILABLE THROUGH SIPLAST OR APPROVED EQUAL. PH: (800) 922-8800. SEE CIVIL PLANS, C-7.0 FOR ADDITIONAL INFORMATION, GRA2025-04067.	1/LC-206
	5B	GAF STREETBOND 150 PAVEMENT COATING. STREETBOND COLOR: CARROT ORANGE. HEX # F18F01 AVAILABLE THROUGH SIPLAST OR APPROVED EQUAL. PH: (800) 922-8800. SEE CIVIL PLANS, C-7.0 FOR ADDITIONAL INFORMATION, GRA2025-04067.	1/LC-206
	5C	GAF STREETBOND 150 PAVEMENT COATING. STREETBOND COLOR: APPLE GREEN. HEX # A5BE00. AVAILABLE THROUGH SIPLAST OR APPROVED EQUAL. PH: (800) 922-8800. SEE CIVIL PLANS, C-7.0 FOR ADDITIONAL INFORMATION, GRA2025-04067.	1/LC-206

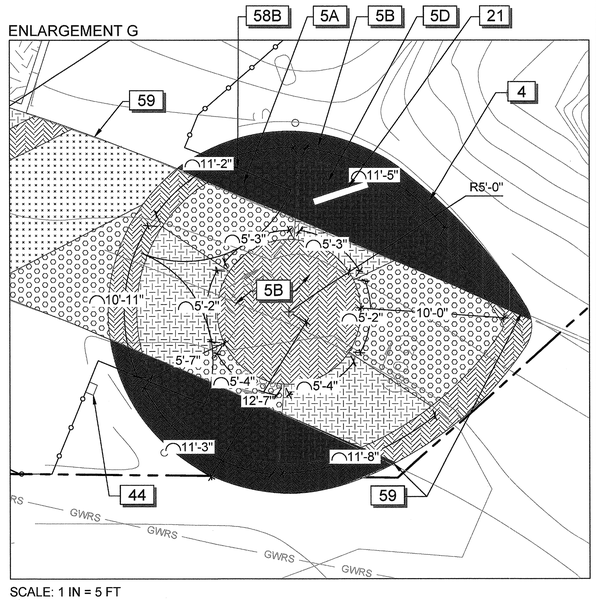
SYMBOL	CODE	DESCRIPTION	DETAIL
	5D	GAF STREETBOND 150 PAVEMENT COATING. STREETBOND COLOR: SKY BLUE. HEX # 41BBD9. AVAILABLE THROUGH SIPLAST OR APPROVED EQUAL. PH: (800) 922-8800. SEE CIVIL PLANS, C-7.0 FOR ADDITIONAL INFORMATION, GRA2025-04067.	1/LC-206
	6	ENGINEERED WOOD FIBER SURFACING. AVAILABLE THROUGH TURBOSCAPE OR APPROVED EQUAL. PH: (866) 887-2672.	10/LC-200
	9A	EXPANSION JOINT	2/LC-200
	9B	SCORE JOINT. SAW CUT FOR STRAIGHT JOINTS, TROWEL FOR CURVED JOINTS.	2/LC-200
CJ	9C	COLD JOINT	3/LC-200
	14	ACCESSIBLE OUTDOOR VANDAL-RESISTANT STAINLESS STEEL PEDESTAL DRINKING FOUNTAIN WITH PET BOWL AND SAND TRAP AND DEEP WELL CONNECTION. MODEL: 3612 WITH 3670 PET BOWL. SURFACE MOUNTED. COLOR: SILVER. SANDTRAP MODEL: 6611. AVAILABLE THROUGH HAWS. PH: (888) 640-4297	1/LC-205
	21	MONUMENT SIGN, SURFACE MOUNTED. AVAILABLE THROUGH SIGN AGE IDENTITY SYSTEMS, INC. OR APPROVED EQUAL. PH: (619) 596-6150. THROUGH SEPERATE PERMIT, SGN2025-00163.	
	28I	2-5 PLAY AREA SIGNAGE	
	28J	5-12 PLAY AREA SIGNAGE	
	32C	6" WIDE RAISED CONCRETE CURB. COLOR: NATURAL GREY. FINISH: MEDIUM BROOM. SEE GRA2025-04067 FOR MORE INFORMATION.	6/LC-200
	33	6" WIDE X 16" DEEP CONCRETE CURB AT PLAY AREAS. COLOR: NATURAL GREY. FINISH: MEDIUM BROOM. SEE GRA2025-04067 FOR MORE INFORMATION.	11/LC-200
	34	DEEPEEND CONCRETE EDGE AT DECOMPOSED GRANITE PATH.	4/LC-202
	35	DEEPENED CONCRETE EDGE AT PLAYGROUND.	10/LC-200
	36	PLAYGROUND ACCESSIBLE CONCRETE PATH. COLOR: NATURAL GREY.	4/LC-200
	38	BIKE RACKS. MODEL 292-00/S-2 AVAILABLE THROUGH DUMOR. COLOR: A: CERULEAN, COLOR B: APPLE GREEN, COLOR C: SKY BLUE. ONE OF EACH COLOR AT EACH LOCATION. PH: (800) 598-4018	8/LC-200
	44	KNOX BOX ATTACHED TO GATE POST	4/LC-206
	52	GATE LATCH POST	6/LC-206
	58B	EXISTING GATE TO BE RELOCATED, SEE GRADING PERMIT GRA2025-04067	EXISTING
	59	EDGE OF EXISTING AC PAVING.	EXISTING

ENLARGEMENT F



SCALE: 1 IN = 5 FT

ENLARGEMENT G



SCALE: 1 IN = 5 FT

LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE
- GWR EASEMENT
- SEWER LINE EASEMENT
- FLOOD CONTROL EMERGENCY ACCESS

NORTH

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

FOR CITY USE ONLY

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82

LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER

ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

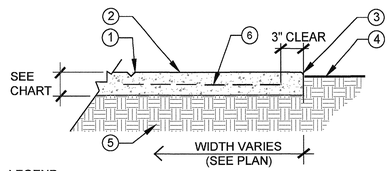
SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
SEE SHEET LC-100 FOR LANDSCAPE CONSTRUCTION LEGEND
SEE SHEETS LC-101 - LC-105 FOR LANDSCAPE CONSTRUCTION PLANS
SEE SHEETS LC-200 - LC-214 FOR LANDSCAPE CONSTRUCTION DETAILS

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5205
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION ENLARGEMENT	L-108
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799
	SHEET 12 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM	D-XXX

PLOT DATE: 09/11/2025



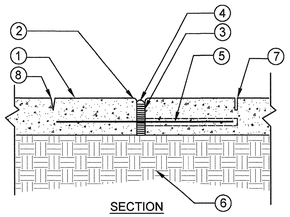
LEGEND:

1. SCORE LINES AND EXPANSION JOINTS PER 2/LC-200
2. CONCRETE PAVING PER CHART
3. 1/2 RAD. ON ALL OUTSIDE EDGES.
4. FINISH GRADE 1" BELOW EDGE OF PAVING IN TURF AREAS TO HAVE SOD, 3" BELOW SHRUB BEDS.
5. SCARIFY SUBGRADE SOIL TO A DEPTH OF 12", PER GEOTECHNICAL REPORT.
6. REBAR, PER CHART.

NOTES:

A. AT A MINIMUM PROVIDE THE FOLLOWING: CONSTRUCTION JOINTS: 10' O.C. EXPANSION JOINTS: 30' O.C.
B. ALL REINFORCEMENT MUST BE CENTERED IN CONCRETE PROFILE.
C. CONCRETE COLOR AND FINISH PER PLAN.
D. CONTRACTOR TO FOLLOW RECOMMENDATIONS OF GEOTECHNICAL REPORT AND/OR STRUCTURAL ENGINEER.
E. PROVIDE 4'-0" MOCK UP INCLUDING JOINT FOR APPROVAL PRIOR TO CONSTRUCTION. MOCK UP MAY NOT BE PART OF FINAL CONSTRUCTION.

Concrete Paving Chart	
PEDESTRIAN CONCRETE WALKS & SLABS	CONCRETE PAVING 520-C-2500: 4" THICK. #3 REBAR AT 18" O.C. BOTH WAYS.
VEHICULAR CONCRETE	CONCRETE PAVING 560-C-3250. 8" THICK. #5 REBAR AT 18" O.C. BOTH WAYS.

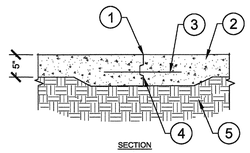


NOTES:

A. SEE LANDSCAPE CONSTRUCTION PLAN FOR EXPANSION JOINT LOCATIONS
B. AT A MINIMUM PROVIDE EXPANSION JOINTS FOR EVERY 400 SF OF CONTIGUOUS CONCRETE PAVING OR 30' O.C.
C. SAND DRESS ALL EXPANSION JOINTS. COLOR TO MATCH ADJACENT CONCRETE. PROVIDE SAMPLE OF SEALANT WITH SAND APPLIED FOR APPROVAL.

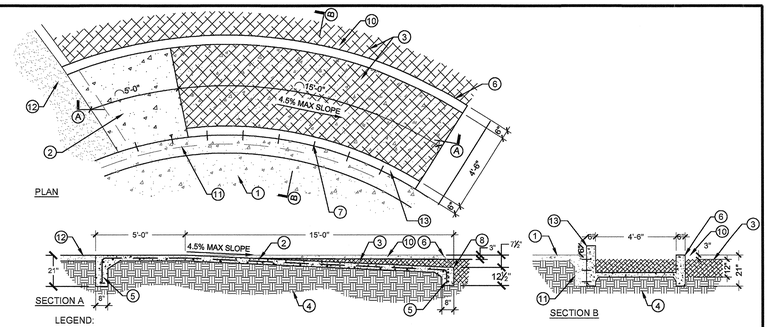
LEGEND:

1. CONCRETE PAVING PER GRA2025-04067
2. 3/16 RADIUS - 1/4" DEPTH TOOLED EDGE
3. 1/4" FELT EXPANSION JOINT
4. POLYURETHANE SEALANT 'SONNEBORN' SL-2 SLOPE GRADE - CONFORM TO ASTM C920 TYPE M - GRADE T
5. 5/8" X 24" LONG SPEED DOWEL AT 24" ON CENTER MAX., ONE SIDE WITHIN SLEEVE FOR MOVEMENT AT ALL EXPANSION JOINTS.
6. SCARIFY SUBGRADE SOIL TO A DEPTH OF 12", RE-COMPACT TO 95% PER SOILS REPORT.
7. SCORE LINE, SAW CUT TO A DEPTH OF 1/4 SLAB THICKNESS, 1" MINIMUM
8. TROWEL JOINT ALL CURVED JOINTS, TO BE DEPTH OF 1/4 SLAB THICKNESS. 1" MINIMUM.



LEGEND:

1. 1/8" RADIUS TOOLED EDGE EACH SIDE. PROVIDE FLAT TOOLED POLYURETHANE SEALANT AT JOINT
2. CONCRETE SLAB PER GRA2025-04067
3. #4 REBAR DOWEL AT 24" O.C. MAX SPACING
4. CONSTURCTION KEY 2.5" JOINT PER PLAN
5. COMPACT SUBGRADE TO 95% MINIMUM

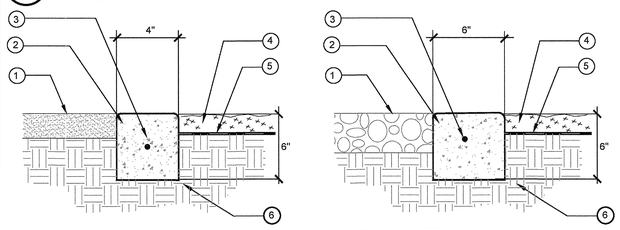


LEGEND:

1. CONCRETE WALK PER GRA2025-04067
2. CONCRETE PAVING PER GRA2025-04067 @ MAX. 5% SLOPE,
3. ENGINEERED WOOD FIBAR SURFACING
4. COMPACTED SUBGRADE PER GEOTECH REPORT
5. TURNED-DOWN EDGE W/ #4 REBAR @ 18" O.C. EACH WAY
6. TRANSITION CURB HEIGHT @ 2:1 SLOPE @ PATH TERMINUS
7. CONCRETE CONNECTION 3/8" DIAM. SMOOTH STEEL DOWEL AT 3/8" DIAM. SMOOTH STEEL DOWEL AT 18" LENGTH, 24" O.C. MAX, ONE SIDE WITHIN SLEEVE FOR MOVEMENT
8. 1/2" RADIUS ON ALL EXPOSED EDGES
10. RAISED CONCRETE CURB PER GRA2025-04067
11. DEEPENED CONCRETE EDGE AT PLAYGROUND
12. ADJACENT STABILIZED DECOMPOSED GRANITE PATH PER GRA2025-04067.

1 CONCRETE PAVING PER GRA2025-04067

NO SCALE



LEGEND:

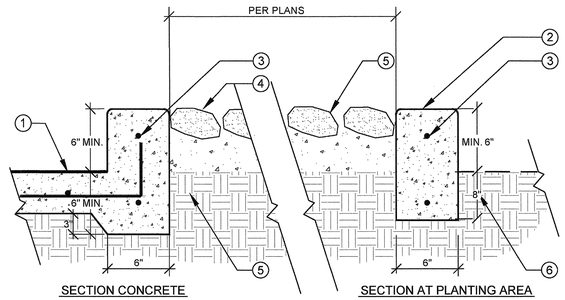
1. FINISHED GRADE 1" BELOW TOP OF CURB IN LAWN AREAS AND 2" AT SHRUB BEDS TO RECEIVE WOOD MULCH OR DG MULCH.
2. 2500 PSI CONCRETE MOW CURB
3. #4 REBAR HORIZONTAL AND CONTINUOUS OVERLAP SPLICES 12" MINIMUM.
4. MATERIAL PER PLAN
5. FINISHED GRADE 2" BELOW TOP OF CURB IN SHRUB AREAS.
6. COMPACT TO 90% PER SOILS REPORT.

NOTES:

A. PROVIDE EXPANSION JOINTS AT 30'-0" MAX. O.C., TYP. PER DETAIL. PROVIDE CONTROL JOINTS @ 10'-0" O.C., TYP.

2 EXPANSION / SCORE JOINT / TROWEL JOINT

NO SCALE



LEGEND:

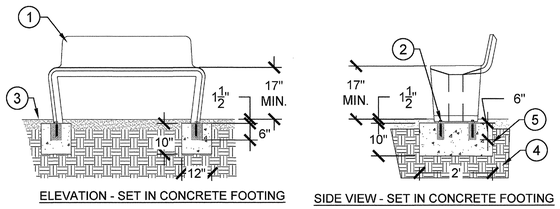
1. ADJACENT FINISHED SURFACE PER GRA2025-04067
2. 6" RAISED CONCRETE CURB
3. #4 REBAR HORIZONTAL AND CONTINUOUS OVERLAP SPLICES 12" MINIMUM
4. WET SET COBBLE PER GRA2025-04067
5. SILICA GROUT NATURAL COLOR
6. SUB-GRADE TO BE 90% COMPACTED

NOTES:

A. PROVIDE CONTROL JOINTS AT 30'-0" ON CENTER MAXIMUM TYP.
B. CENTER REBAR IN MOWCURB, TYP.

3 KEY JOINT / COLD JOINT - SLAB CONNECTION

3/4" = 1'-0"

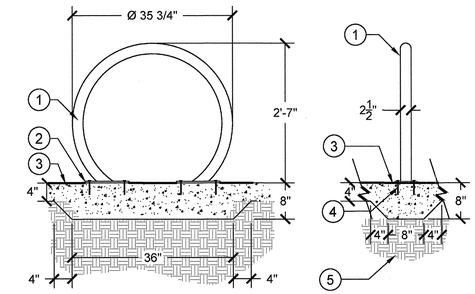


LEGEND:

1. BENCH WITH BACK PER CONSTRUCTION LEGEND
2. (2) SURFACE MOUNT TABS WITH 5" DEEP X 7/8" DIA. HOLE FOR ANCHORING. NON-CORROSIVE HARDWARE SUPPLIED BY OTHERS.
3. DECOMPOSED GRANITE, PER GRA2025-04067
4. COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
5. 2500 PSI CONCRETE FOOTING

4 PLAYGROUND ACCESSIBLE PATH

NO SCALE



LEGEND:

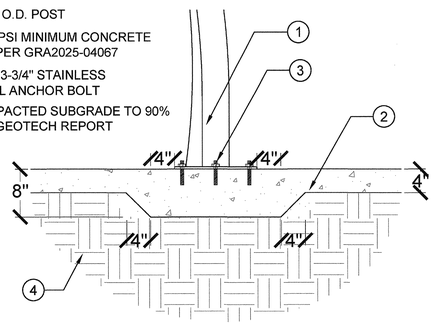
1. BIKE RACK PER CONSTRUCTION LEGEND.
2. 3/8" STEEL PLATE BOLTED TO CONCRETE FOOTING
3. CONCRETE PER GRA2025-04067.
4. 1/2" x 3-3/4" ANCHOR BOLTS (STAINLESS STEEL)
5. COMPACTED SUBGRADE. COMPACT TO 95% PER SOILS REPORT.

5 CONCRETE CURB PER GRA2025-04067

NO SCALE

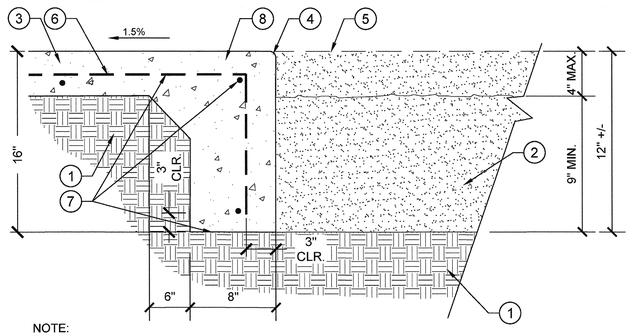
LEGEND:

1. 4' - 5" O.D. POST
2. 3250 PSI MINIMUM CONCRETE PAD PER GRA2025-04067
3. 1/2" x 3-3/4" STAINLESS STEEL ANCHOR BOLT
4. COMPACTED SUBGRADE TO 90% PER GEOTECH REPORT



6 RAISED CONCRETE CURB AT WET SET COBBLE

N.T.S.



NOTE:

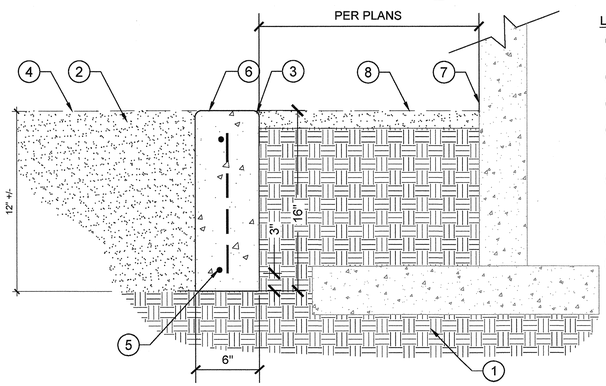
A. ALL EXPOSED VERTICAL CONCRETE SURFACES AND THOSE DIRECTLY ADJACENT TO ENGINEERED WOOD FIBER INFILL SHALL HAVE A SMOOTH, HAND TROWELED FINISH. POST CURE GRINDING WILL NOT BE ACCEPTED.

LEGEND:

1. COMPACTED SUBGRADE TO 95% RELATIVE COMPACTION PER GEOTECH REPORT.
2. ENGINEERED WOOD FIBER PER SPECIFICATIONS
3. CONCRETE HARDSCAPE PER GRA2025-04067 - SLOPE AWAY FROM TOT LOT AT 1.5%; SEE CIVIL PLANS.
4. 1/8" RADIUS
5. AT INITIAL CONSTRUCTION, FILL ENGINEERED WOOD FIBER TO THE TOP OF PLAYGROUND EDGING, 12" TOTAL DEPTH
6. CONCRETE REINFORCEMENT; TERMINATE WITH STD. HOOK.
7. (2) #4 BAR CONTINUOUS; TOP AND BOTTOM. OVERLAP SPLICES 30" MIN.
8. 20" THICKENED CONCRETE EDGE. VERTICAL CONCRETE FACE TO BE FINISHED TO 16" DEPTH WHEN LOOSE FILL IS USED.

7 FURNITURE INSTALLED IN DECOMPOSED GRANITE

NOT TO SCALE



LEGEND:

1. COMPACTED SUBGRADE TO 90% RELATIVE COMPACTION PER GEOTECH REPORT.
2. ENGINEERED WOOD FIBER PER SPECIFICATIONS
3. 1/8" RADIUS
4. AT INITIAL CONSTRUCTION, FILL ENGINEERED WOOD FIBER TO THE TOP OF PLAYGROUND EDGING, 12" TOTAL DEPTH
5. #4 BAR CONTINUOUS; TOP AND BOTTOM. OVERLAP SPLICES 30" MIN.
6. 16" THICKENED CONCRETE EDGE.
7. EXISTING WALL AND FOOTING
8. 3" MULCH ON TOP OF FINAL GRADE

NOTE:

A. ALL EXPOSED VERTICAL CONCRETE SURFACES AND THOSE DIRECTLY ADJACENT TO ENGINEERED WOOD FIBER INFILL SHALL HAVE A SMOOTH, HAND TROWELED FINISH. POST CURE GRINDING WILL NOT BE ACCEPTED.

8 BIKE RACK

NO SCALE

9 GREENFIELDS EXERCISE EQUIPTMENT SURFACE MOUNT

NO SCALE

10 THICKENED CONCRETE EDGE AT FIBAR

NO SCALE

11 6" X 16" CONCRETE CURB AT FIBAR

NO SCALE

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

NOTE: ALL HARDSCAPE SURFACING CONSTRUCTION INCLUDING CURBS, GUTTERS, AND PAVING SHALL BE SHOWN ON AND BUILT PER GRADING PLANS. SEE GRA2025-04067 FOR MORE INFORMATION.

SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
SEE SHEET LC-100 FOR LANDSCAPE CONSTRUCTION LEGEND
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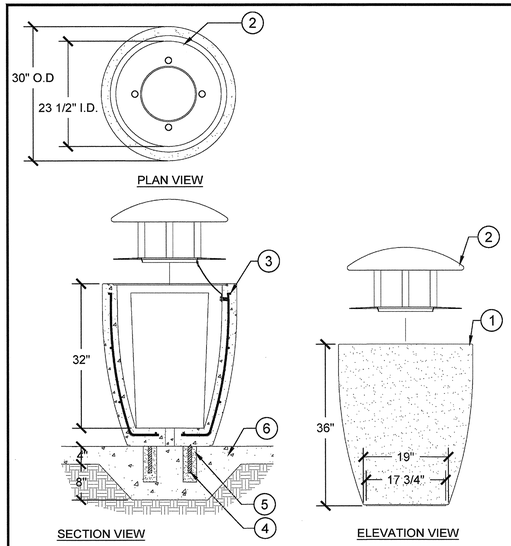
LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5209
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION DETAILS	LC-200
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799
	SHEET 13 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM	D-XXX

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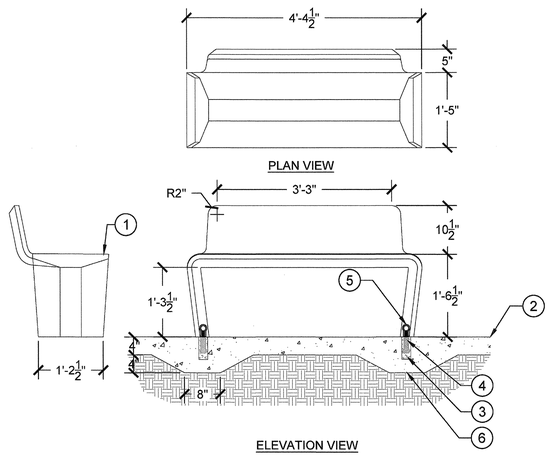


LEGEND:

1. TRASH RECEPTACLE PER CONSTRUCTION PLANS
2. LID HOVER 25 WITH SECURITY CABLE AND TAMPER PROOF BOLT
3. #2 REBAR VERTICAL AND HORIZONTAL
4. 3/4" DIA. X 11" L COIL ROD
5. 3" DIA X 8" DEEP GROUT POCKET
6. CONCRETE FOOTING PER GRADING PERMIT GRA2025-04067

NOTES:
1. SEE DETAIL 6/LC-2.1 FOR INSTALLATION IN DECOMPOSED GRANITE PAVING.

1 TRASH RECEPTACLE
NOT TO SCALE



LEGEND:

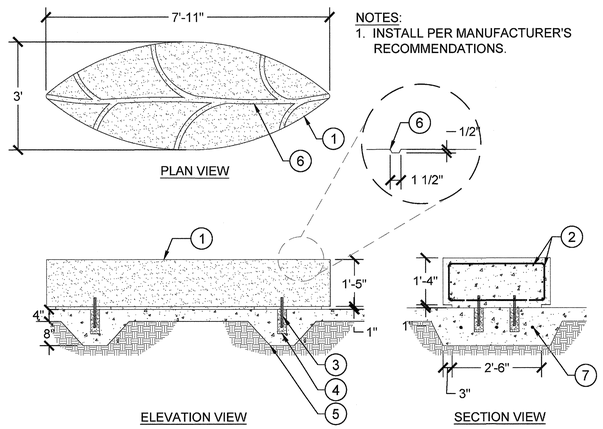
1. BENCH PER CONSTRUCTION PLANS
2. ADJACENT CONCRETE PAVING PER GRA2025-04067
3. 2" DIA. X 5" DEEP GROUT POCKETS.
4. 1/2" DIA. X 4-1/2" L ANCHOR BOLT
5. 1/2" DIA. X 2-3/4" INSERT
6. CONCRETE FOOTING PER GRADING PERMIT: GRA2025-04067

NOTES:
1. SEE DETAIL 6/LC-2.1 FOR INSTALLATION IN DECOMPOSED GRANITE PAVING.

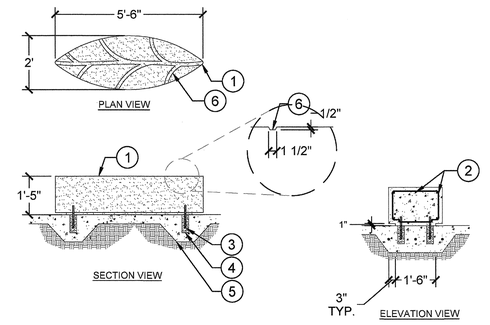
2 QCP BENCH WITH BACK
NO SCALE

LEGEND:

1. BENCH PER CONSTRUCTION PLANS
2. #3 REBAR EA. WAY AT 12" O.C. MAX.
3. 3/4" DIA. X 10 3/16" L COIL ROD
4. 3" DIA X 8" DEEP GROUT POCKET
5. CONCRETE FOOTING PER GRADING PERMIT: GRA2025-04067
6. SKATE DETERENT NOTCH. 1' O.C. FROM EDGE, 2' O.C. TYP. NOTCH TO GO FROM FRONT TO BACK OF WALL
7. #4 BAR EA. WAY AT 12" O.C. UNDER BENCH.



3 QCP LEAF BENCH - LARGE
NOT TO SCALE

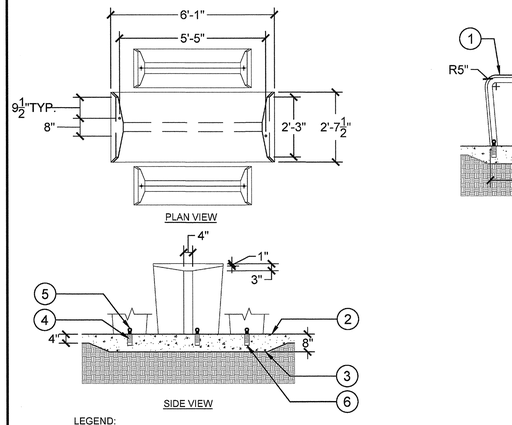


LEGEND:

1. BENCH PER CONSTRUCTION PLANS
2. #3 REBAR EA. WAY AT 12" O.C. MAX.
3. 3/4" DIA. X 10 3/16" L COIL ROD
4. 3" DIA X 8" DEEP GROUT POCKET
5. CONCRETE FOOTING PER GRADING PERMIT, GRA2025-04067
6. SKATE DETERENT NOTCH. 1' O.C. FROM EDGE, 2' O.C. TYP. NOTCH TO GO FROM FRONT TO BACK OF WALL
7. #4 REBAR EA. WAY AT 12" O.C. MAX UNDER BENCH.

NOTES:
1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

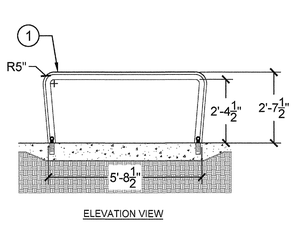
4 QCP LEAF BENCH SMALL
NOT TO SCALE

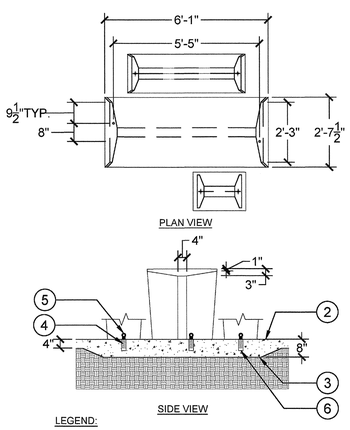


LEGEND:

1. PICNIC TABLE PER CONSTRUCTION PLANS
2. ADJACENT CONCRETE PAVING PER GRA2025-04067
3. CONCRETE FOOTING PER GRA2025-04067
4. 1/2" DIA. X 4-1/2" ANCHOR BOLT
5. 1/2" DIA. X 2-3/4" INSERT
6. 2" DIA. X 5" DEEP GROUT POCKET

5 QCP PICNIC TABLE - TWO BENCH SEATS
NOT TO SCALE

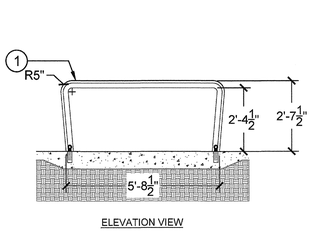


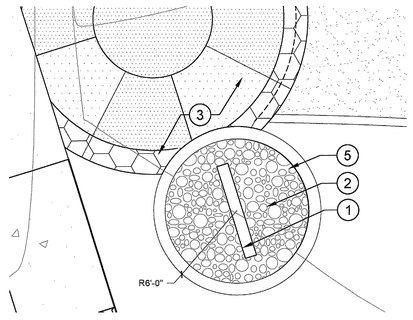


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3. CONCRETE FOOTING PER GRA2025-04067
4. 1/2" DIA. X 4-1/2" ANCHOR BOLT
4. 1/2" DIA. X 2-3/4" INSERT
4. 2" DIA. X 5" DEEP GROUT POCKET

6 QCP PICNIC TABLE - ACCESSIBLE
NOT TO SCALE





LEGEND:

1. MONUMENT SIGN PER SGN2025-00163
2. 4" - 10" COBBLE MIX WET-SET INTO NATURAL GRAY CONCRETE. COBBLE TO BE 'SIERRA COBBLE' AVAILABLE THROUGH SOUTHWEST BOULDER AND STONE. 1/4" MAXIMUM VOIDS BETWEEN COBBLE WITH SILCA GROUT NATURAL COLOR.
3. ADJACENT LANDSCAPING PER GRA2025-04067
4. COMPACTED SUBGRADE TO 95% RELATIVE COMPACTION
5. RAISED 6 IN. CONCRETE CURB PER GRA2025-04067

NOTES:
THE SURFACE OF ALL EXPOSED STONE COBBLE SHALL BE CLEAN AND FREE OF CONCRETE RESIDUE.

7 WET-SET COBBLE AT MONUMENT SIGN
NO SCALE

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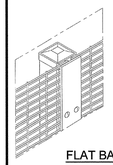
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1310 Rosecrans St., Suite G, San Diego, CA 92106
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LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

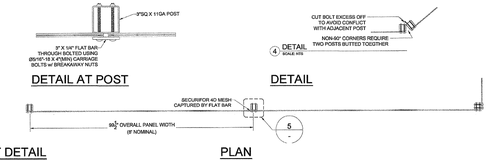
LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5269
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

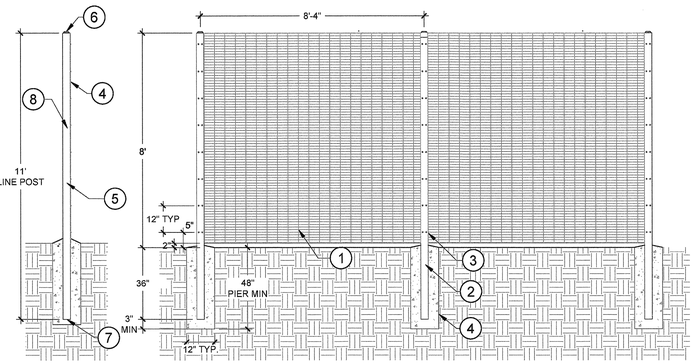
LANDSCAPE CONSTRUCTION DETAILS		LC-201
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806		BLD2025-04799 SHEET 14 OF 62
SCALE: SCALE PER SHEET	DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM		D-XXX

PLOT DATE: 09/11/2025



FLAT BAR ATTACHMENT DETAIL





SECTION FRONT ELEVATION

LEGEND

1. BETA FENCE MESH PANELS 8' WIDE X 8' HIGH GALVANIZED WIRE WITH APERTURE SIZE (CENTERS) @ 1/2" X 3-1/64". PANEL INFORMATION: PANEL REINFORCED WITH 4 X DEEP 'V' FORMATION HORIZONTAL RECESSED BANDS (RIGIDITY). 2 X FLANGES ALONG SIDES (INTERNAL FIXTURES-ANTI VANDAL, ALLOWING FOR FLUSH POST AND PANEL FINISH, 48 LINE WIRE SECURE CONNECTION, LOCKING RECESS MECHANISM) AND 1 X 90 DEGREE FLANGE ALONG TOP AND 1 X 30 DEGREE FLANGE ALONG TOE. (ARROW - STRAIGHT EDGES, INTEGRATED ANGLE.) COATING: MESH GALVANIZED, THEN MARINE FUSION BOND COATED.
2. COCHRANE TAPER LOCKING POST 3-11/32" X 1-49/64" X 3-11/32" THEN SEALED WITH UV STABILIZED POLYMER CAP. COATING: GALVANIZED, THEN MARINE FUSION BOND COASTED.
3. FLAT BAR OVER MESH, THROUGH BOLTED TO POST.
4. 12" DIA. X 4'-6' DEEP CIP CONCRETE FOOTING.
5. COCHRANE ANTI-SCALE. COATING: GALVANIZED, THEN MARINE FUSION BOND COATED.
6. PRESS ON POST CAP
7. 3" X ¼" ALUMINUM FLAT BAR
8. 3" SQ X 11 GA POST

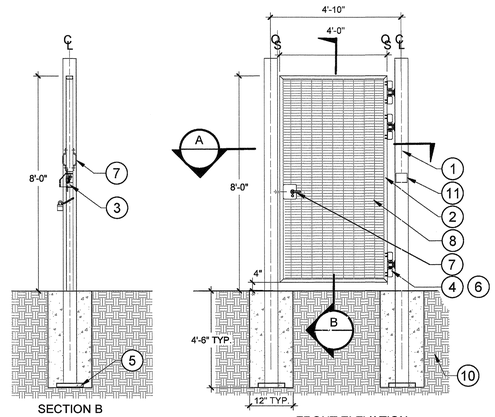
NOTES

A. SPECIFIC PLACEMENT OF MESH EITHER AT GROUND LEVEL OR UP TO 2" OFF GROUND SHALL BE OWNERS DISCRETION.

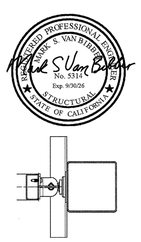


1 8'H X 8'W BETAFENCE WIRE MESH PANEL

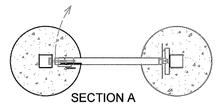
NOT TO SCALE



SECTION B FRONT ELEVATION



TYPICAL HINGE DETAIL

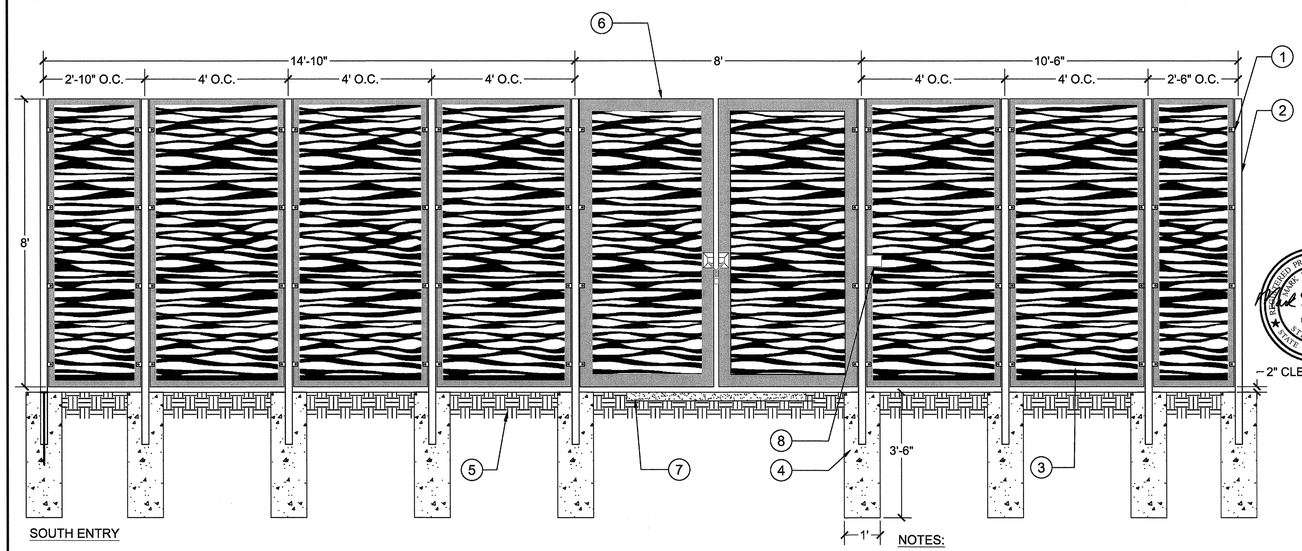


SECTION A

1. HINGE POST 5 7/8" X 1/8" SQUARE TUBE
2. GATE FRAME 3"X1 1/2"X1/8"RECTANGULAR TUBE
3. LOCKING DEVICE 5/8" T-SLIDE LOCK, WITH LOCK BOX: CSP-05-0001•74•00•02-18-A CSP-05-0001•74•00•02-18-B, WITH BACKING PLATES.
4. LARGE HINGE CSP-05-4861_M27•18-01-A-R02
5. ANGLE IRON: 2" X 2" X 1/8" CSP-05-0001•74•00•06-18-A-002
6. COVER PLATE CSP-05-0001•74•00•01-18-B CSP-05-0001•74•00•01-18-C
7. SOLID CAST LEVER HANDLE AND MORTISE LOCK WITH ¾" THROW LATCH BOLT
8. CLEARVU MESH
9. FLAT BAR TO COVER CUT MESH, 1 5/8" X 1/8" FLAT BAR.
10. COMPACTED SUBGRADE. COMPACT TO 90% PER SOILS REPORT.
11. KNOX BOX

2 8' WIRE MESH MAINTENANCE SWING GATE

NOT TO SCALE



SOUTH ENTRY

LEGEND:

1. STEEL TABS WELDED TO STEEL POSTS. ATTACH PANELS TO TABS WITH MACHINE BOLTS AND NUTS.
2. 3" SQ X 11 GA. TUBULAR STEEL POST
3. 1/4" ALUMINUM ARTISAN PANELS. THATCH PATTERN. COLOR: BLACK
4. 12" X 42" CONCRETE FOOTING
5. COMPACTED SUBGRADE AT 95% RELATIVE COMPACTION PER GEOTECH REPORT.
6. 4" STEEL FRAME AT GATE
7. ADJACENT PAVING PER GRA2025-04067
8. KNOX BOX

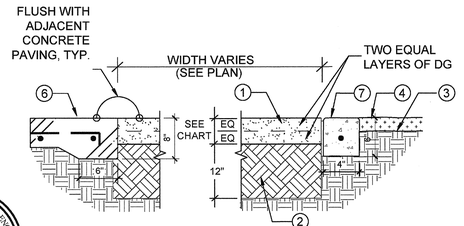
NOTES:

A. ALL METAL FASTENERS TO BE GALVANIZED INSIDE AND OUT.
B. ALL EXPOSED METAL FASTENERS TO BE PAINTED WITH TWO COATS PF RUST RESISTANT PRIMER AND TWO COATS FINAL COLOR
C. GRIND ALL WELDS SMOOTH PRIOR TO PAINTING.
D. COLOR PER CONSTRUCTION LEGEND.
E. EPOXY SEAL ALL WELDED JOINTS
F. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL BY LANDSCAPE ARCHITECT
G. PANELS AVAILABLE THROUGH ARTISAN PANELS. PHONE: (714) 351-3234

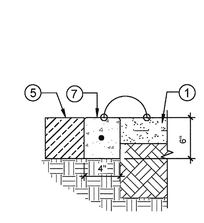


3 8' DECORATIVE FENCE

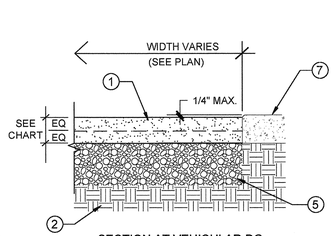
NOT TO SCALE



SECTION-CONCRETE EDGE & ADJACENT HARDSCAPE



CONCRETE CURB AT EXISTING AC PAVING



SECTION AT VEHICULAR DG

LEGEND:

1. DG PAVING WITH SOIL STABILIZER (SEE SPECIFICATIONS) TO BE PLACED IN TWO (2) EQUAL LAYERS. ROLL EACH LAYER SEPARATELY TO 90% MIN. COMPACTION. PAVING TO HAVE ROLLED TRANSITION EDGES ADJACENT TO PLANTING AREAS.
2. COMPACT TO 90% PER SOILS REPORT.
3. FINISH GRADE: 4" BELOW FINISH SURFACE OF D.G. WHEN ADJACENT SHRUB AREAS TO ACCOMMODATE 4" OF MULCH IN SHRUB AREAS.
4. 3" MULCHED SHRUB AREA.
5. CLASS II AGGREGATE BASE
6. ADJACENT SURFACING PER PLAN. WHEN ADJACENT TO CONCRETE PAVING OR CONCRETE CURB; THE TOP OF D.G. PAVING TO MEET FLUSH (1/4" MAX.) WITH TOP OF ADJACENT PAVING.
7. ADJACENT CONCRETE CURB PER LANDSCAPE CONSTRUCTION PLANS.

DECOMPOSED GRANITE PAVING CHART	
ANTICIPATED TRAFFIC	SECTION
VEHICULAR	5" DECOMPOSED GRANITE OVER 7" Class II AB
PEDESTRIAN	4" DECOMPOSED GRANITE OVER 12" COMPACTED NATIVE SOIL

NOTES:

A. SEE CONSTRUCTION PLAN FOR DECOMPOSED GRANITE PAVING TYPE AND MANUFACTURER.
B. CONSTRUCTION SHALL COMPLY WITH ALL LOCAL AND REGIONAL STANDARDS.
C. CONTRACTOR TO SUBMIT SAMPLE OF DECOMPOSED GRANITE TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO ORDER AND INSTALLATION. PROVIDE 4' X 4' MOCK UP IN FIELD FOR APPROVAL. MOCK UP IS FOR REVIEW ONLY AND SHALL NOT BE INSTALLED IN PLACE OF FINAL WORK.
D. INSTALL PER MANUFACTURER'S RECOMMENDATION.

4 STABILIZED DECOMPOSED GRANITE PAVING PER GRA2025-04067

NOT TO SCALE

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

NOTE: ALL HARDSCAPE SURFACING CONSTRUCTION INCLUDING CURBS, GUTTERS, AND PAVING SHALL BE SHOWN ON AND BUILT PER GRADING PLANS. SEE GRA2025-04067 FOR MORE INFORMATION.

SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
SEE SHEET LC-100 FOR LANDSCAPE CONSTRUCTION LEGEND
SEE SHEETS LC-101 - LC-106 FOR LANDSCAPE CONSTRUCTION PLANS
SEE SHEETS LC-200 - LC-214 FOR LANDSCAPE CONSTRUCTION DETAILS

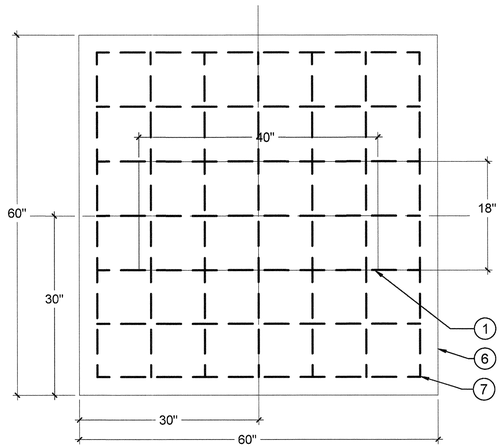
SCHMIDT DESIGN GROUP
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619.236.1462
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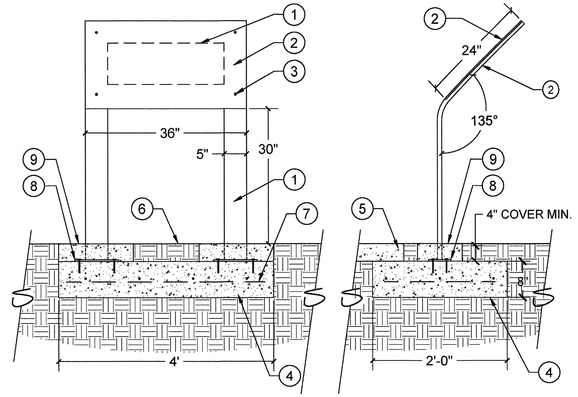
LANDSCAPE CONSTRUCTION DETAILS	LC-202
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799
	SHEET 15 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM	D-XXX

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

FOR CITY USE ONLY

PLOT DATE: 09/11/2025

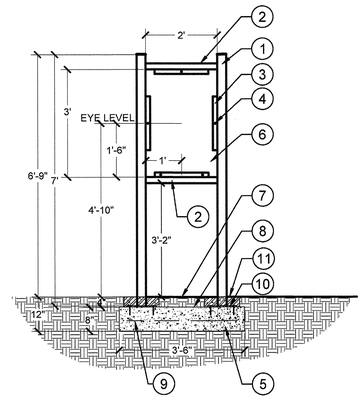




1. 3/8" THK. x 5" WIDE STAINLESS STEEL SIGNAGE SUPPORTS (ANGLE AS DETAILED)
2. FULL COLOR SIGNAGE GRAPHICS BY IZONE OR APPROVED EQUAL 1/2" THK. MATERIAL MINIMUM (IMAGE AND CONTENT PROVIDED BY LANDSCAPE ARCH.)
3. STAINLESS STEEL VANDAL RESISTANT MOUNTING SCREWS / SIGN PINS (4 TOTAL))
4. CONCRETE FOOTING (SIZE AS INDICATED) PER GRA2025-04067
5. ADJACENT PAVING PER GRA2025-04067
6. FINISH GRADE / PLANTING AREA - SEE PLANS (4" COVER FROM TOP OF FOOTING MIN.)
7. #4 REBAR AT 12" O.C. EACH WAY
8. 3/8" THICK SS STEEL ANCHOR PLATE W/ (4) $\frac{3}{8}$" SS HILTI HWIK BOLT TZ2 WEDGE ANCHORS
9. CONCRETE OVERPOUR

NOTES:
1. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS WHICH INCLUDE MATERIALS AND COMPONENTS TO BE USED DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH MAKE IZONE IMAGING (PH: 888.464.9663) OR APPROVED EQUAL FOR DESIGN AND FABRICATION OF PANEL.
2. UPON REQUEST, IMAGES AND TEXT, IN DIGITAL FORMAT, FOR SIGNS WILL BE PROVIDED TO THE CONTRACTOR BY THE LANDSCAPE ARCHITECT. SEE SPECIFICATIONS APPENDIX FOR SAMPLE OF IMAGES.
3. CHARACTERS AND SYMBOLS ON SIGNS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

2 INTERPRETIVE PANEL
NTS



LEGEND:
1. 3"X3" 14 GA STEEL POST WITH CAP
2. 2"X2" 14 GA STEEL TOP AND BOTTOM RAIL
3. 1.5" X 18" X 1/8" THICK STEEL FLAT BAR WELDED UPRIGHT, O.C. OF POST (TYP.) ALL SIDES.
4. (5) TAMPER RESISTANT, S.S. 1/4" BOLTS AND NUTS WITH WASHERS.
5. 3'-6" WIDE CONCRETE FOOTING PER GRA2025-04067, MIN. 2500 PSI
6. 24" X 36" TWO GRAPHIC RULES SIGNS (EACH DOUBLED SIDED) WITH THE METAL FLAT BARS SANDWICHED BETWEEN THE TWO SIGNS. FASTEN WITH TAMPER RESISTANT S.S. HARDWARE.
7. FINISH GRADE
8. UNDISTURBED EARTH
9. #4 REBAR AT 12" O.C. EACH WAY
10. 3/8" THICK WELDED STEEL ANCHOR PLATE WITH (4) 3/8" SS HILTI KWIK BOLTZ TZ WEDGE ANCHORS
11. CONCRETE OVERPOUR

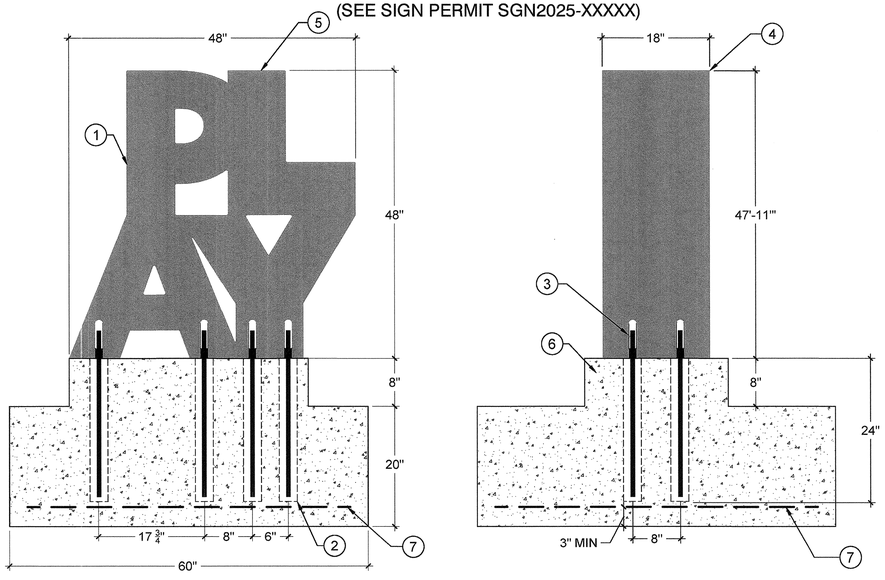
NOTES:
1. METAL SIGN POSTS SHALL BE GALVANIZED THEN POWDER COATED GLOSSY BLACK.
2. INSTALL CENTER OF SIGN AT EYE LEVEL
3. SLOPE TOP OF CONCRETE FOOTING AWAY FROM POST.
4. CITY OF ANAHEIM TO PROVIDE SIGNS, CONTRACTOR TO INSTALL.

4 ANAHEIM PARK RULES DOUBLE SIDED SIGN
NO SCALE

LEGEND:
1. CONCRETE LETTERS PAINTED ON ALL SIDES EXCEPT BOTTOM. COLOR: LIGHT ORANGE PRATT & LAMBERT 11-12 NECTARINE JUICE.
2. 3" DIAMETER GROUT POCKETS, CAST INTO FOOTING.
3. CAST IN THREADED INSERTS IN BOTTOM OF SIGN TO ACCEPT (8) 3/4" X 26" COILROD (SUPPLIED)
4. 1/2" RADIUS ON EDGES
5. THREADED PICK POINTS, PATCH IN FIELD BY OTHERS (OPT)
6. CONCRETE FOOTING PER GRA2025-04067
7. (7) #5 BARS EVENLY SPACED EACH WAY TOP AND BOTTOM

NOTES:
1. CONCRETE MIX DESIGN TO INCLUDE A MIXTURE OF PORTLAND CEMENT, WATER, COARSE AND FINE AGGREGATES, PURE MINERAL OXIDE COLORING AGENTS (WHEN APPLICABLE) TO YIELD A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI.
2. FINAL PRODUCT SHALL BE REINFORCED WITH #4 AND #5 REBAR GRID.
3. PRODUCT IS CAST IN 1-PIECE WITH NO ASSEMBLY REQUIRED.
4. HAIRLINE CRACKS MAY DEVELOP OVER TIME. THESE ARE NOT STRUCTURAL FAILURES, BUT INHERENT OF THE MATERIAL ITSELF.
5. AIR POCKETS ARE A COMMON OCCURRENCE IN PRECAST PRODUCTS. THE FREQUENCY AND SIZE OF AIR POCKETS ARE VARIABLE AND TO BE EXPECTED, ESPECIALLY ON VERTICAL SURFACES.
6. CONCRETE CORNERS AND EDGES WILL CHIP IF NOT HANDLED ACCORDING TO GUIDELINES. PATCH KITS ARE AVAILABLE BUT MAY OR MAY NOT BLEND AND CAN BE VARIABLE.
7. THERE IS A LEVEL OF CARE AND MAINTENANCE ASSOCIATED WITH YOUR PRODUCT AND IS THE RESPONSIBILITY OF THE END USER. CHOOSING THE RIGHT SEALER CAN HELP MINIMIZE THE COST.
8. TEXTURE: LIGHT SANDBLAST. SEALER: NANOTECH BARRIER.
9. CONTRACTOR TO PROVIDE SUBMITTAL FORM WITH STRUCTURAL ENGINEER SIGNATURE.
10. MFGR IS OUTDOOR CREATIONS OR EQUAL. PH: (530) 365-6106

(SEE SIGN PERMIT SGN2025-XXXXX)



3 CUSTOM CONCRETE ART
NO SCALE

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
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SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
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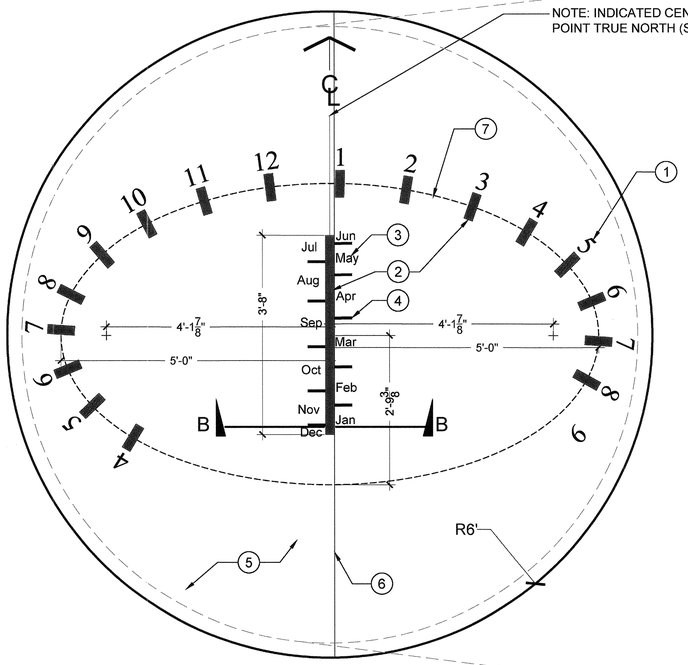
LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5219
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

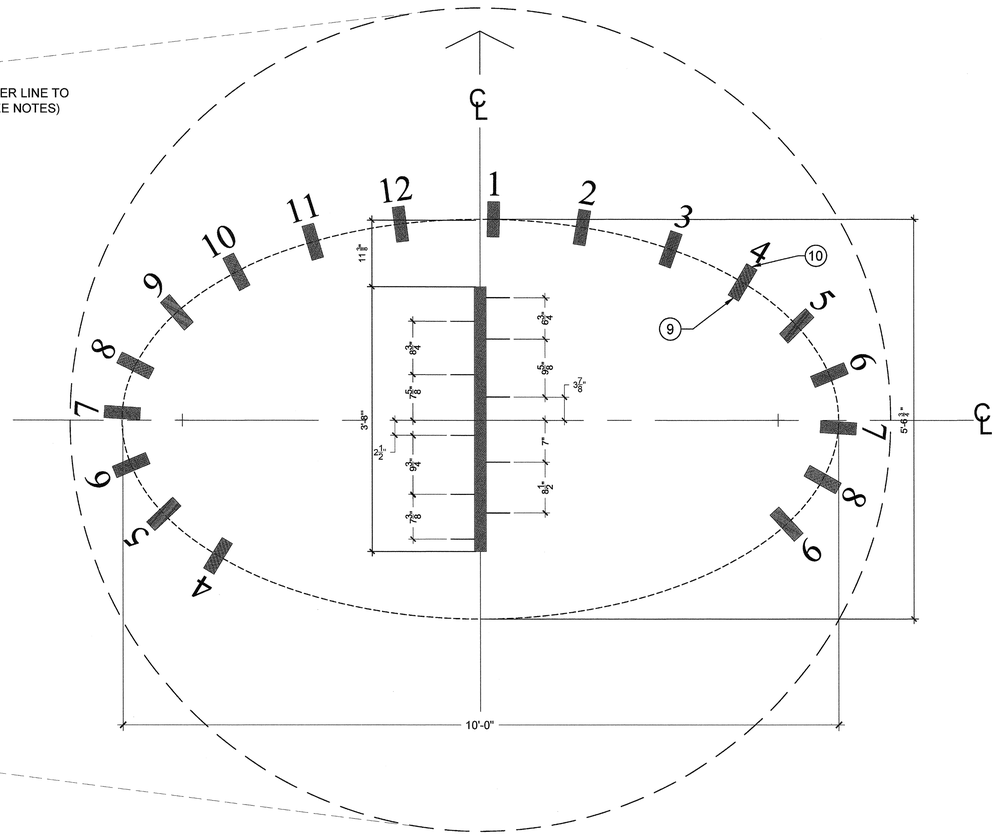
LANDSCAPE CONSTRUCTION DETAILS		LC-203
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806		BLD2025-04799
		SHEET 16 OF 62
SCALE: SCALE PER SHEET	DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM		D-XXX

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

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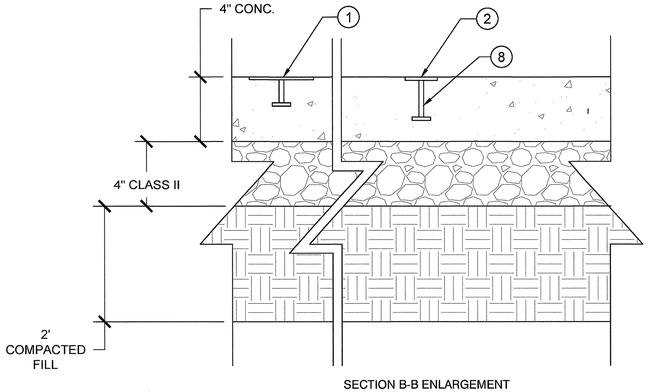


ENLARGEMENT

NORTHING AND EASTING CHART

Item		Outer Point		Inner Point	
		Northing	Easting	Northing	Easting
West Number Markers	4	2,237,236.5862	6,066,489.9201	2,237,237.0151	6,066,490.1767
	5	2,237,237.2191	6,066,489.1121	2,237,237.5639	6,066,489.4740
	6	2,237,237.9733	6,066,488.6079	2,237,238.1646	6,066,489.0696
	7	2,237,238.8143	6,066,488.4653	2,237,238.7806	6,066,488.9639
	8	2,237,239.5610	6,066,488.6759	2,237,239.3349	6,066,489.1216
	9	2,237,240.3604	6,066,489.3124	2,237,239.9861	6,066,489.6436
	10	2,237,240.9528	6,066,490.1938	2,237,240.5096	6,066,490.4248
	11	2,237,241.3917	6,066,491.3052	2,237,240.9121	6,066,491.4460
	12	2,237,241.6519	6,066,492.5664	2,237,241.1561	6,066,492.6294
East Number Markers	1	2,237,241.7214	6,066,493.9016	2,237,241.2217	6,066,493.8912
	2	2,237,241.6053	6,066,495.1713	2,237,241.1121	6,066,495.0900
	3	2,237,241.2841	6,066,496.4484	2,237,240.8122	6,066,496.2838
	4	2,237,240.8006	6,066,497.4983	2,237,240.3718	6,066,497.2416
	5	2,237,240.1677	6,066,498.3062	2,237,239.8229	6,066,497.9444
	6	2,237,239.4135	6,066,498.8104	2,237,239.2221	6,066,498.3486
	7	2,237,238.5726	6,066,498.9529	2,237,238.6061	6,066,498.4542
	8	2,237,237.7502	6,066,498.7021	2,237,237.9931	6,066,498.2654
	9	2,237,237.4332	6,066,497.8107	2,237,237.0644	6,066,498.1480

Item	North Point		South Point	
	Northing	Easting	Northing	Easting
Month Marker	2,237,240.5260	6,066,493.7091	2,237,236.8608	6,066,493.7091



SECTION B-B ENLARGEMENT
NTS

LEGEND:

1. 4" TALL BRONZE INSET LETTERING. WETSET LETTERING INTO CONCRETE, FLUSH WITH PAVEMENT, PER GRA2025-04067. FONT: TIMES NEW ROMAN. DIMENSIONS: 4" HEIGHT BY 1/4" THICK WITH 3/8 DIA. X 1.5" LONG PINS. SPACE LETTERING EQUALLY, AS SHOWN.
2. 2" WIDE BY 3/8" THICK CORTEN STEEL PLATE TO BE WETSET INTO CONCRETE FLATWORK ALIGNED TO TRUE NORTH.
3. 2" TALL SANDBLASTED TEXT IN CONCRETE PAVING. TEXT TO BE PAINTED EXTERIOR ACRYLIC BLACK TEXT FONT: ARIAL
4. 1/2" WIDE SANDBLASTED LINE BREAK.
5. INTEGRAL COLOR CONCRETE WITH ACID ETCH FINISH. SEE GRA2025-04067 FOR MORE INFORMATION.
6. SCORE JOINT
7. LINE OF ELLIPSE FOR REFERENCE ONLY
8. NELSON STUD WELDED TO CORTEN STEEL INLAYS - PROVIDE ONE 3/8"X3" CORTEN STEEL STUD WITH HEAD CENTERED IN BACK OF EACH INDEPENDENT CORTEN STEEL PIECE - PROVIDE 3/8"X3" CORTEN STEEL STUDS WITH HEADS CENTERED ON LINEAR CORTEN STEEL PLATE AT 18" O.C. CONTINUOUS
9. INNER POINT OF TICK MARKS
10. OUTER POINT OF TICK MARKS

NOTES:

1. CONTRACTOR TO COORDINATE SANDBLASTED TEXT STYLE WITH LANDSCAPE ARCHITECT VIA RESIDENT ENGINEER.
2. CONTRACTOR TO VERIFY TRUE NORTH DIRECTION REQUIRED FOR PROPER SUNDIAL ORIENTATION & FUNCTIONING PRIOR TO CONSTRUCTION. CONTRACTOR TO IDENTIFY ANY DIRECTIONAL / LAYOUT DISCREPANCIES FROM THE PLANS WITH THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL COORDINATE METAL COMPONENT FABRICATION WITH 'MAKE FABRICATION' (ATTN: TERRY DIXON 619-398-6408) OR APPROVED EQUAL.
4. SEE PLANS FOR ADJACENT PAVING MATERIALS.
5. PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
6. MOCKUPS: INCLUDE THE FOLLOWING MOCKUPS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT AND CITY REPRESENTATIVE.
   A. 4' X 4' DECORATIVE CONCRETE.
   B. TWO BRONZE LETTERS SET IN CONCRETE.
   C. 1' LONG X 2" WIDE CORTEN STEEL PLATE SET IN CONCRETE.
   D. SANDBLAST TEXT.
   E. SANDBLAST LINE BREAK

1 SUNDIAL
3/4" = 1'-0"

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
SEE SHEET LC-100 FOR LANDSCAPE CONSTRUCTION LEGEND
SEE SHEETS LC-101 - LC-106 FOR LANDSCAPE CONSTRUCTION PLANS
SEE SHEETS LC-200 - LC-214 FOR LANDSCAPE CONSTRUCTION DETAILS

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.2361462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5205
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION DETAILS | LC-204

SITE ADDRESS: RIVER PARK
2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

BLD2025-04799

SHEET 17 OF 62

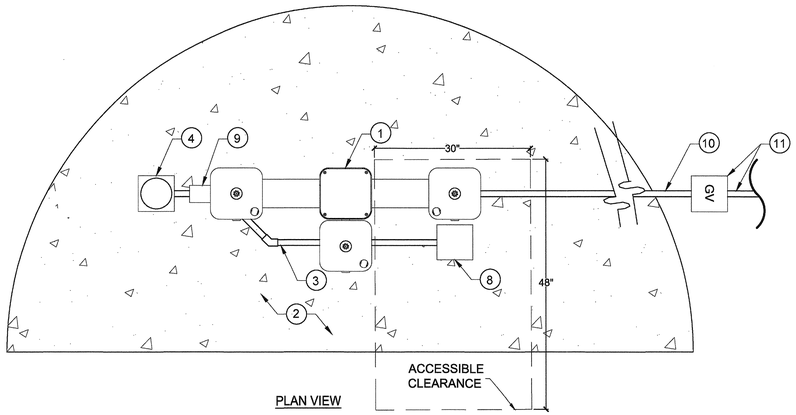
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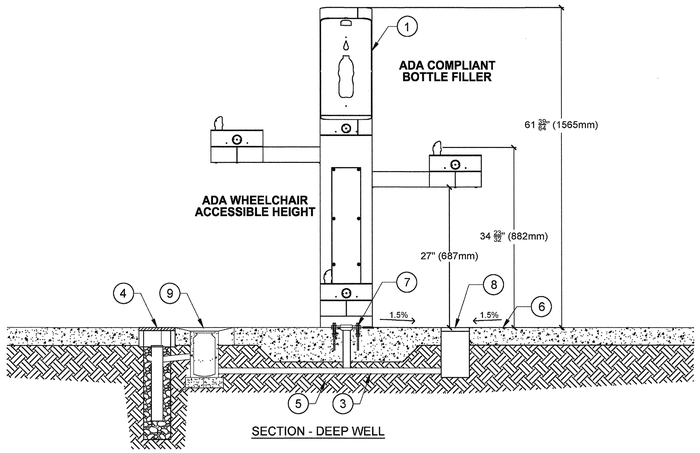
CITY OF ANAHEIM | D-XXX

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

FOR CITY USE ONLY

PLOT DATE: 09/11/2025



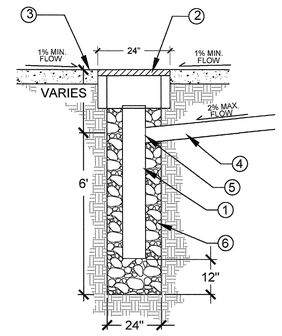


LEGEND:

1. ADA OUTDOOR STAINLESS STEEL BOTTLE FILLER AND DUAL FOUNTAIN WITH OPTIONAL PET FOUNTAIN. HAWS MODEL #3612, DOG BOWL MODEL #3670. UNIT SHALL COMPLY WITH ALL APPLICABLE TITLE 24 PROVISIONS. INSTALL PER MANUFACTURER'S SPECS.
2. PAVING PER GRA2025-04067.
3. 4" PVC WASTE LINE FROM DRINKING FOUNTAIN CONNECT TO DEEP WELL PER PLAN.
4. DEEP WELL PER DETAIL 2/LC-205
5. SCARIFY SUBGRADE SOIL TO A DEPTH OF 12", RE-COMPACT TO 95% PER SOILS REPORT.
6. SLOPE CONCRETE TO DRAIN INLET @ 1.5% MAX.
7. STAINLESS STEEL ANCHOR BOLT IN CONCRETE, ANTI-TAMPER PER DRINKING FOUNTAIN MANUFACTURER'S SPECIFICATIONS, TYPICAL.
8. NDS #921B (6" SQUARE BRASS GRATE W/ STYRENE ADAPTER), NDS #66 RISER (TO OBTAIN SPECIFIED SEWER LINE DEPTH), AND SPEE-D BASIN #101 (1- 3" AND 4" LOCKING OUTLET). CONTRACTOR SHALL INSTALL PER MANUFACTURER'S SPECIFICATIONS. OVERFLOW WATER FROM DRINKING FOUNTAIN SHALL FLOW INTO DRAIN INLET AND SHALL NOT POND. CENTER DRAIN BELOW FOUNTAIN IN MIDDLE OF CONCRETE PAD.
9. YARD BOX / SAND TRAP
10. 3/4" WATER LINE
11. 2" PVC WATER LINE AND GATE VALVE PER WATER PLAN DW1.0.

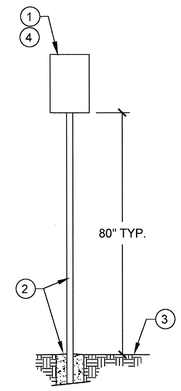
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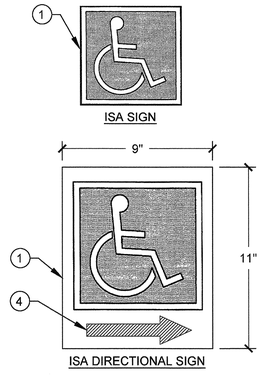
A. THE CONTRACTOR IS TO INSTALL FOUNTAIN PER MANUFACTURER'S RECOMMENDATIONS IN ACCORDANCE WITH LOCAL PLUMBING CODE.
B. THE SPOUT SHALL PROVIDE A FLOW OF WATER AT LEAST 4" HIGH SO AS TO ALLOW THE INSERTION OF A CUP UNDER THE FLOW OF WATER. PER THE CBC; THE SPOUT ON ACCESSIBLE DRINKING FOUNTAINS WITH A ROUND OR OVAL BOWLS MUST BE POSITIONED SO THAT THE FLOW OF WATER IS WITHIN 3" OF THE FRONT EDGE OF THE DRINKING FOUNTAIN. WHERE THE SPOUT IS LOCATED LESS THAN 3" FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAXIMUM.
C. ON "HI-LOW" FOUNTAIN; THE 30" X 48" CLEAR FLOOR SPACE IS ON "LOW" FOUNTAIN FIXTURE.
D. FOUNTAIN PUSH BUTTON LOCATION. CONTRACTOR TO VERIFY CUSTOM PUSH BUTTON LOCATION AND PROVIDE MANUFACTURER'S SHOP DRAWINGS FOR EACH FOUNTAIN PRIOR TO ORDERING FOUNTAINS.
E. PIPE TUBE, FITTINGS, SOLVENT CEMENT, THREAD SEALANTS, SOLDERS, AND FLUX USED IN POTABLE WATER SYSTEMS INTENDED TO SUPPLY DRINKING WATER SHALL COMPLY WITH NSF 61.2022 CPC SECTION 604.1



LEGEND:

1. 8" PERFORATED SCH 40 PVC PIPE. SET CONCRETE BROOKS BOX OVER DEEP WELL. FILL WITH 3/4" DRAIN ROCK TO TOP OF PIPE. DO NOT FILL IN PIPE
2. 24" SQUARE CONCRETE BROOKS BOX WITH SOLID LID
3. FINISH GRADE PER GRA2025-04067
4. SOLID DRAIN PIPE - DRINKING FOUNTAIN DISCHARGE LINE - SIZE AS REQUIRED BY CODE
5. CONNECT WASTE LINE TO 8" PERFORATED DEEP WELL LINE
6. 3/4" CRUSHED GRAVEL - DRAIN ROCK





LEGEND:

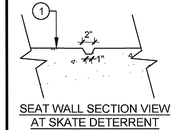
1. INTERNATIONAL SYMBOL OF ACCESSIBILITY PER ADAAG SECTION 4.30.7 SIZE, COLORS AND SIGN THICKNESS PER OWNER AND REGIONAL STANDARDS.
2. CONCRETE FOOTING AND POST. CONCRETE SHALL BE TYPE II OR V, CLASS 520-C-2500. WOOD POST SHALL BE PRESSURE TREADED DOUGLAS FIR OR REDWOOD. FOOTING MAY BE ROUND OR SQUARE.
3. FINISH GRADE.
4. DIRECTIONAL ARROW TOWARDS ADA RAMP OR PATH OF TRAVEL - TO BE COORDINATED WITH CITY ENGINEER ONSITE

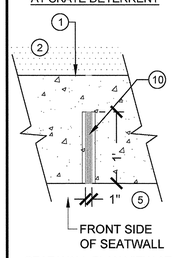
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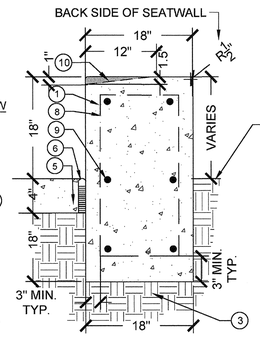
A. SIGN SHALL BE INSTALLED WITHIN PLANTING AREA AND SHALL NOT OBSTRUCT THE PATH OF TRAVEL
B. DIRECTIONAL SIGN SHALL INCLUDE ARROW ORIENTATED TOWARDS ADA RAMP OR ACCESSIBLE PATH OF TRAVEL
C. CONTRACTOR TO VERIFY HEIGHT AND SIGN LOCATION WITH CITY ENGINEER PRIOR TO FINAL PLACEMENT.

1 DRINKING FOUNTAIN WITH FILTERED BOTTLE FILLER AND DOG BOWL

NO SCALE







LEGEND:

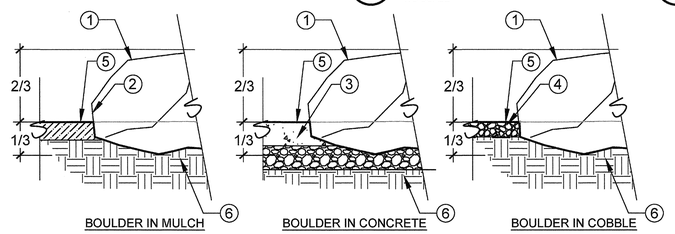
1. 2500 PSI CONCRETE SEAT WALL, LOCATION PER PLANS
2. ADJACENT PLANTING AREA. SEE GRADING PLANS FOR FINISH GRADE
3. SCARIFY SUBGRADE SOIL TO A DEPTH OF 12", RE-COMPACT TO 90% PER SOILS REPORT.
4. SLOPE SURFACE TO DRAIN 2% MIN. PER GRA2025-04067
5. PAVING PER GRA2025-04067.
6. EXPANSION JOINT
7. CONTROL JOINT, 1/4" WIDE X 1" DEEP SAW CUT ON ALL SIDES
8. #4 REBAR, VERTICAL, 12" O.C. EACH FACE
9. #4 REBAR, HORIZONTAL, 12" O.C. EACH FACE
10. SKATE DETERRENT, 2" WIDE X 1" DEEP X 12" LONG RECESS WITH 45 DEGREE CHAMFERED SIDES. TAPER CUT STARTS AT MIDDLE OF CONCRETE STRUCTURE TO FRONT EDGE OF SEAT WITH MAX DEPTH OF 1". SPACE AT 36" INTERVALS, ALIGN IN CENTER OF WALL AND SPACE OUTWARD

NOTES:

A. SEE CONSTRUCTION PLAN FOR CONCRETE FINISH AND COLOR.
B. PROVIDE CONSTRUCTION AND EXPANSION JOINTS ALIGNED WITH SKATE DETERRENT. PROVIDE EXPANSION JOINTS AT 30' O.C. MAXIMUM.
C. PROVIDE 4'-0" MOCK UP INCLUDING JOINT AND SKATE DETERRENT FOR APPROVAL PRIOR TO CONSTRUCTION. MOCK UP MAY NOT BE PART OF FINAL CONSTRUCTION.

2 DEEP WELL

NO SCALE



LEGEND:

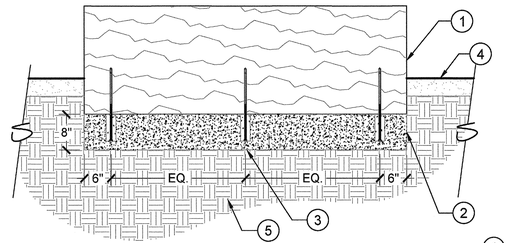
1. BOULDER - LOCATE PER PLAN. SEE LC-100 FOR SIZE AND TYPE.
2. MULCH, PER PLAN.
3. CONCRETE PAVING, PER GRA2025-04067
4. COBBLE, PER GRA2025-04067.
5. FINISHED GRADE PER GRA2025-04067.
6. COMPACTED SUBGRADE

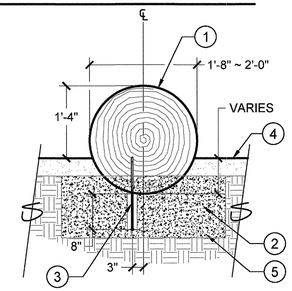
NOTES:

A. BOULDERS SHALL BE INSTALLED SO THAT NO ROCKING WILL OCCUR. ANY ROUGH OR JAGGED EDGES SHALL BE GROUND SMOOTH.
B. BURY BOULDERS BY 1/3 HEIGHT
C. BOULDERS TO BE PLACED PRIOR TO INSTALLATION OF D.G. AND RESILIENT SURFACING. LOCATION TO BE APPROVED ON SITE BY LANDSCAPE ARCHITECT / RESIDENT ENGINEER.

3 INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) SIGN

NTS





1. TIMBERCRAFT 6FT FULL-ROUND LOG SEAT PER CONSTRUCTION LEGEND.
2. 2500 PSI CONCRETE FOOTING PER GRA2025-04067.
3. 3/4" X 10" LAG SCREW, 5" EMBEDMENT INTO LOG SEAT AND 5" EPOXY SET INTO CONCRETE FOOTING.
4. DECOMPOSED GRANITE PER GRA2025-04067
5. COMPACTED SUBGRADE.

4 POURED IN PLACE SEAT WALL

1" = 1'-0"

5 BOULDER SET IN GRADE

NO SCALE

6 FULL ROUND LOG SEAT

NTS

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

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1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

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LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5209
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION DETAILS | LC-205

SITE ADDRESS: RIVER PARK
2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

BLD2025-04799

SHEET 18 OF 62

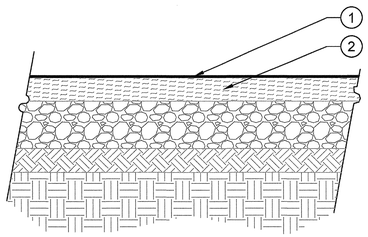
SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

CITY OF ANAHEIM | D-XXX

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

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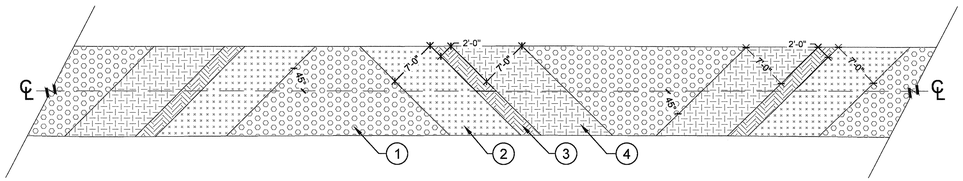
PLOT DATE: 09/11/2025



LEGEND:

1. COLOR ASPHALT SURFACING SYSTEM - APPLY 3 COATS AS REQUIRED. REFER TO PRODUCT SPECIFICATIONS SECTION 32 12 16.40 FOR TYPE OF COATING MATERIAL AND LAYER CHART. REFER TO CONSTRUCTION LEGEND FOR COLORS.
2. EXISTING AC PAVING. PROTECT IN PLACE.

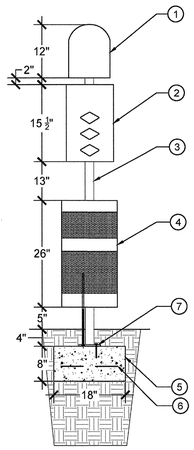
1 STREET BOND PAVING ENHANCEMENT
N.T.S.



LEGEND:

1. GAF STREETBOND 150 PAVEMENT COATING. STREETBOND COLOR: CERULEAN. HEX #006E90.
2. GAF STREETBOND 150 PAVEMENT COATING. STREETBOND COLOR: APPLE GREEN. HEX #A5BE00.
3. GAF STREETBOND 150 PAVEMENT COATING. STREETBOND COLOR: CARROT ORANGE. HEX #F18F01.
4. GAF STREETBOND 150 PAVEMENT COATING. STREETBOND COLOR: SKY BLUE. HEX #41BBD9.

2 STREETBOND PATTERN
NO SCALE



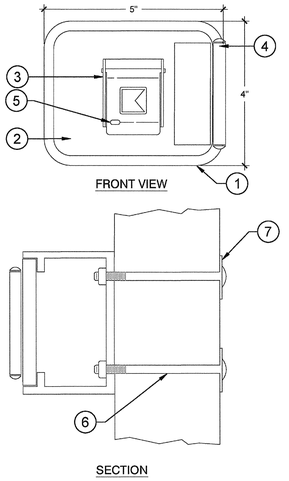
LEGEND:

1. THE SENTRY DOG STATION. MODEL #JJB006-GRN
2. DOG STATION WASTE DISPENSER. .08 GUAGE ALUMINUM, 400 GUAGE CAPACITY.
3. GALVANIZED STEEL MOUNTING POST.
4. 12-GALLON, ALUMINUM ROUND TRASH CAN WITH LID AND LINER CLAMPS.
5. CONCRETE FOOTING PER GRA2025-04067
6. (2) # 4 REBAR BOTH WAYS AT MID DEPTH
7. 3/8" STEEL PLATE BOLTED TO CONCRETE FOOTING PER MANUFACTURER'S RECOMENDATIONS.

NOTES:

IN-GROUND MOUNT PER MANUFACTURERS RECOMMENDATIONS.

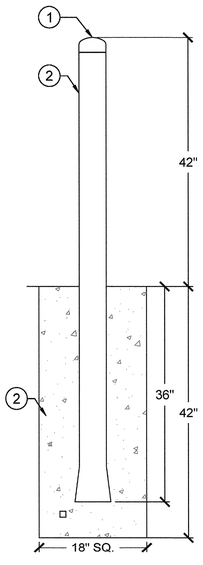
3 THE SENTRY DOG STATION
NO SCALE



LEGEND:

1. 1/4" SOLID STEEL HOUSING 100% WELDED
2. 1/2" SOLID PLATE STEEL DOOR WITH GASKET
3. HEAVY 1/8" THICK STAINLESS STEEL LOCK COVER
4. STAINLESS STEEL DOOR HINGE
5. HOLE FOR TAMPER SEAL
6. 3/8" GRADE 5 OR GRADE 8 FASTENER
7. LARGE THICK STEEL WASHER

4 KNOX BOX POST MOUNT
NO SCALE



LEGEND

1. WELDED CAP
2. 4" SCHEDULE 40 STEEL PIPE (4-1/2" O.D.)
3. CONCRETE FOOTING PER GRA2025-04067

NOTES:

1. STEEL MEMBERS COATED WITH ZINC RICH EPOXY THEN FINISHED WITH POLYESTER POWDER COATING.

5 DUMOR BOLLARD
NOT TO SCALE

BOLLARD ELEVATION

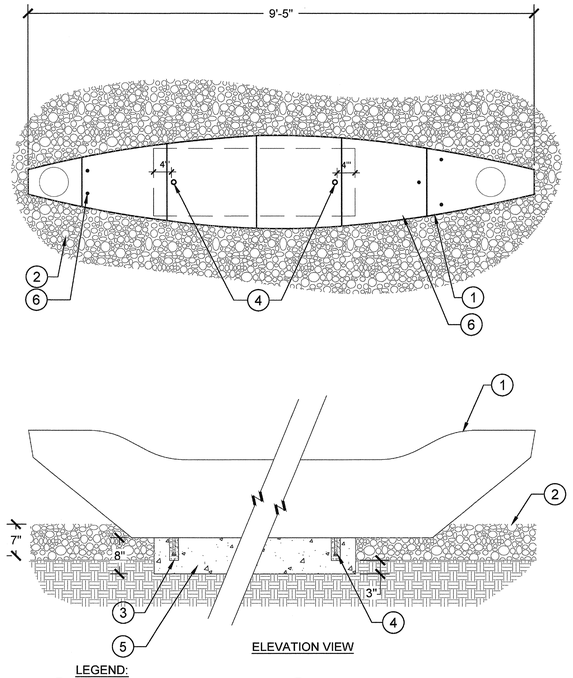
LEGEND:

1. LATCH POST BOLLARD
2. 3" GALVANIZED U-BOLT WELDED TO POST
3. 24" DIA. X 48" DEEP CONCRETE FOOTING. CONCRETE SHALL BE F'C=3000PSI
4. ADJACENT PLANTING OR PAVING PER GRA2025-04067

NOTES:

1. WELD AND GRIND SMOOTH ALL CONNECTIONS, EDGES, AND CORNERS TO ELIMINATE ANY SHARP EDGES, AND PAINT ALL EXPOSED WELDS WITH GALVANIZED PAINT.
2. CONTRACTOR TO PROVIDE ONE CHAIN AND LOCK FOR EACH GATE AND BOLLARD.
3. CONTRACTOR TO VERIFY ENTRY WAY WIDTH AT GATE LOCATION BEFORE SHOP DRAWINGS ARE CREATED.

6 BOLLARD LATCH POST
NOT TO SCALE



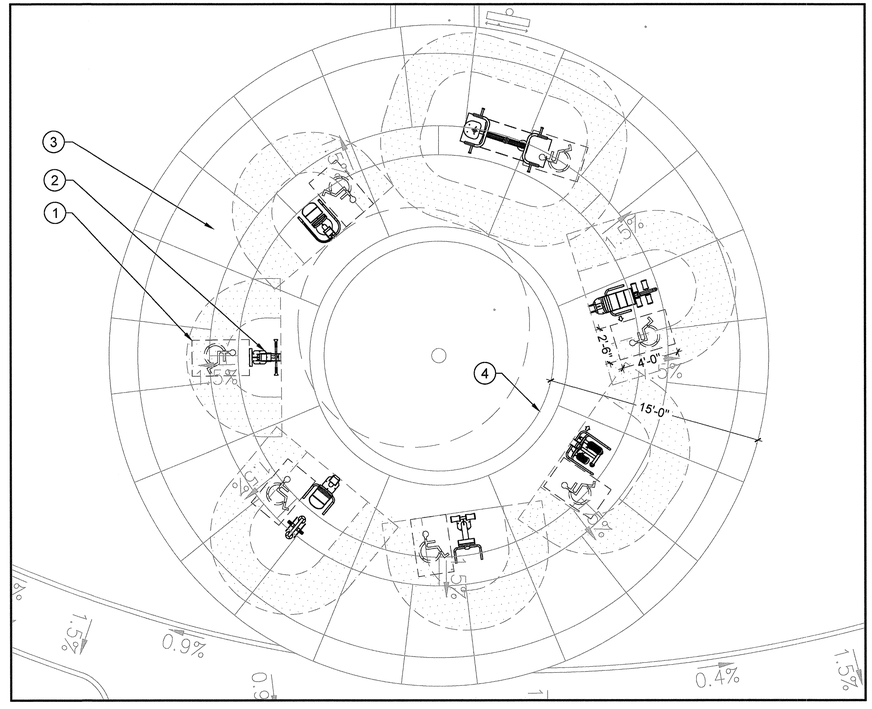
ELEVATION VIEW

LEGEND:

1. CANOE SCULPTURE PER CONSTRUCTION PLANS
2. 4"-10" SIERRA COBBLE. SEE GRA2025-04067
3. 2" DIA. X 5" DEEP GROUT POCKETS
4. 1/2" DIA. X 4" ANCHOR BOLT WELDED TO BOTTOM OF CANOE
5. 8" CONCRETE PAD PER GRA2025-04067 WITH #4 12" OC AT MID DEPTH EACH WAY.
6. WEEP HOLE

NOTE: SCULPTURE DIMENSIONS TO BE VERIFIED IN THE FIELD. CONTRACTOR TO PROVIDE SHOP DRAWINGS PRIOR TO INSTALLATION.

7 CANOE SCULPTURE
NO SCALE



LEGEND:

1. 30" X 48" ADA CLEAR FLOOR SPACE
2. EXERCISE EQUIPMENT PER PLANS
3. CONCRETE PAVING PER GRA2025-04067
4. FLUSH CONCRETE CURB PER GRA2025-04067

8 ADA CLEAR SPACE AT FITNESS EQUIPTMENT
1"=5'

REVISIONS

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LANDSCAPE CONSTRUCTION DETAILS | LC-206

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BLD2025-04799

SHEET 19 OF 62

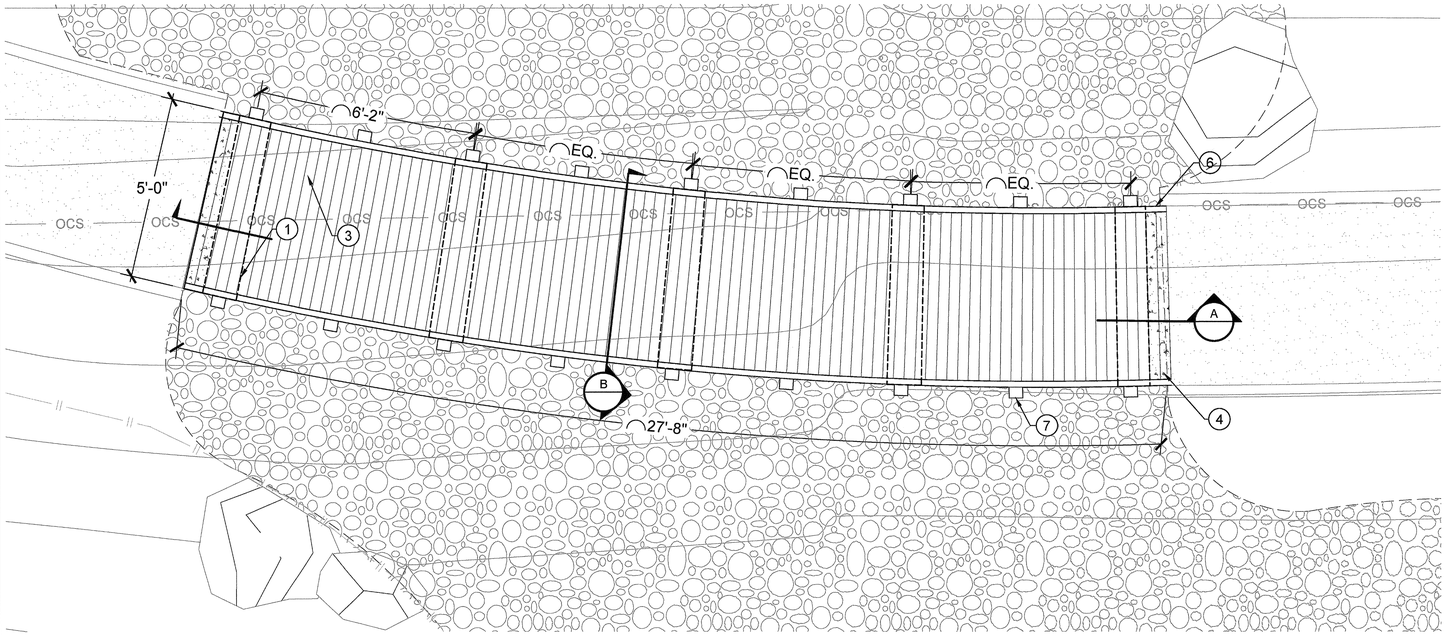
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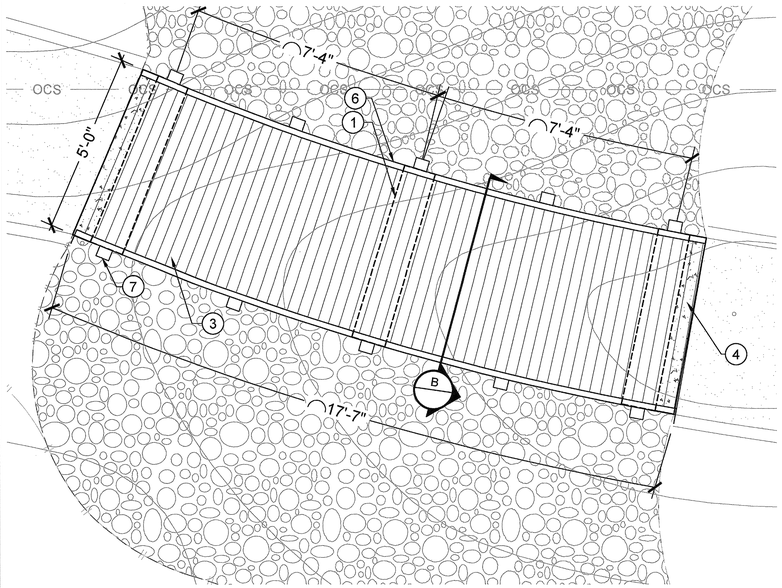
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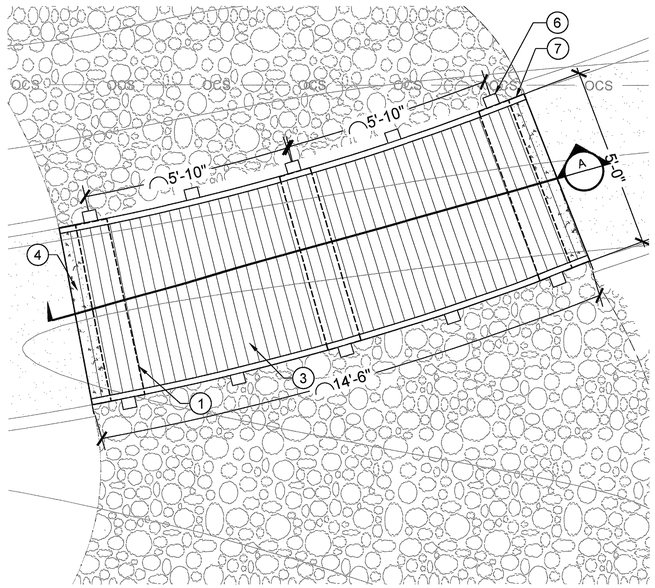
PLOT DATE: 09/11/2025



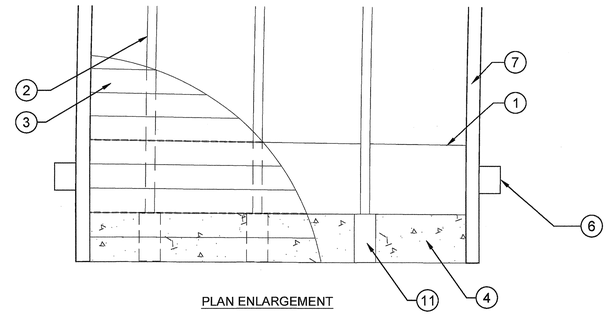
PEDESTRIAN FOOTBRIDGE ENLARGEMENT "A"
SCALE: 1 IN = 2 FT



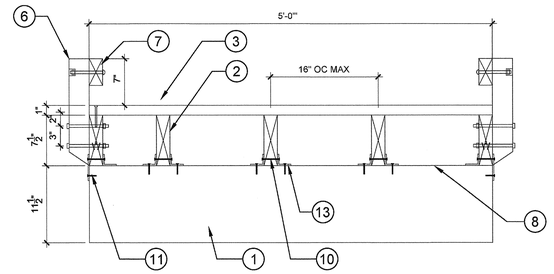
PEDESTRIAN FOOTBRIDGE ENLARGEMENT "B"
SCALE: 1 IN = 2 FT



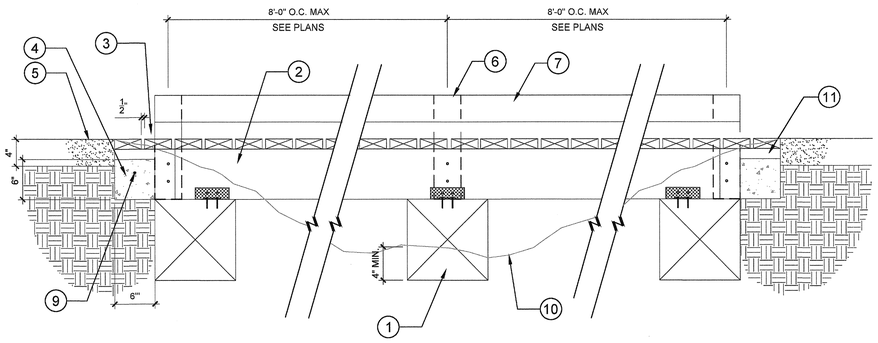
PEDESTRIAN FOOTBRIDGE ENLARGEMENT "C"
SCALE: 1 IN = 2 FT



PLAN ENLARGEMENT



SECTION B



SECTION A

LEGEND:

1. TREATED DF-1 12X12 FOUNDATION SLEEPER, 8'-0" O.C. MAX
2. TREATED 2X8 JOISTS, 12" O.C. MAX. W/ A35 EACH SIDE AT EACH SLEEPER WITH (12) 8D SS OR HDG NAIL.
3. 1X4 TREX RUNNING PLANKS W/ (2) DECK SCREWS TO EACH JOIST. SCREWS TO 3/4" MINIMUM FROM EDGE OF BOARD.
4. CONCRETE DEEPENED CURB AT BRIDGE END
5. DECOMPOSED GRANITE SURFACING PER GRA2025-04067
6. 3X4 POST BOLTED TO JOISTS W/ (2) HDG OR SS THRU-BOLTS W/ WASHERS AND NUTS AT 8'-0" MAX SPACING
7. 2X4 TREX PLANK FASTENED TO POSTS W/ (2) HDG OR SS 3/8" SCREWS W/ 2" MIN PENETRATION INTO POSTS (COUNTERBORE)
8. CONTINUOUS 2X BLOCKING AT EACH SLEEPER
9. #4 REBAR CONTINUOUS AT FOOTING
10. FINISH GRADE OF SWALE, SEE CIVIL PANS FOR MORE INFORMATION.
11. 2X4 PRESSURE TREATED NAILERS ATTACHED TO CONCRETE CURB WITH HILITI ANCHORS. NAILERS TO ALIGN WITH 2X8 JOISTS

NOTES:
1. ALL WOOD TO BE PRESSURE TREATED
2. ALL HARDWARE AND FASTENERS TO BE HOT-DIPPED GALVANIZED OR STAINLESS STEEL.

3 PEDESTRIAN FOOTBRIDGE

NOT TO SCALE

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

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REVISIONS					
NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82

LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER

ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
SEE SHEET LC-100 FOR LANDSCAPE CONSTRUCTION LEGEND
SEE SHEETS LC-101 - LC-106 FOR LANDSCAPE CONSTRUCTION PLANS
SEE SHEETS LC-200 - LC-214 FOR LANDSCAPE CONSTRUCTION DETAILS

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619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
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LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5219
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION DETAILS	LC-207
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799
	SHEET 20 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM	D-XXX

PLOT DATE: 09/11/2025

ICON Shelter Systems Inc

JOB NUMBER: 11355
JOB NAME: ANAHEIM RIVER PARK
JOB LOCATION: ANAHEIM, CA 92806

REVISION: B
A INITIAL SUBMITTAL REVISION (DTH 8/19/2025)
B UPDATED PER MARK UPS (DTH 9/17/2025)

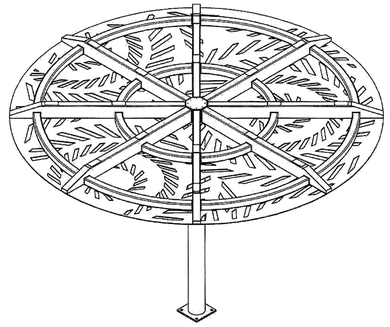
REV: B
DATE: 9/17/2025

APPROVAL FOR FABRICATION REQUIRED:
BY SIGNING THIS FABRICATION APPROVAL I AUTHORIZE ICON SHELTERS TO FABRICATE THE PRODUCT AS REPRESENTED AND DESCRIBED WITHIN THIS SUBMITTAL PACKAGE, WITH NO FURTHER CHANGES OR AMENDMENTS REQUIRED. THIS APPROVED SUBMITTAL DOCUMENT SUPERSEDES ALL OTHER DESIGN DOCUMENTS RELATED TO THIS SHELTER/PRODUCT AND REPRESENTS THE FINAL DESIGN TO BE FABRICATED.

PRINT NAME: _____ DATE: _____
SIGNATURE: _____

TABLE OF CONTENTS

1.0 - 1.1 COVER SHEET/ NOTES
2.0 ELEVATION
3.0 ANCHOR BOLT LAYOUT
4.0 - 4.1 FRAME LAYOUT
5.0 - 5.1 FRAME CONNECTIONS



DESIGN LOADS

CODE: 2022 CALIFORNIA BUILDING CODE

TOTAL DEAD: 17.31 P.S.F.
FRAME DEAD: 14.31 P.S.F.
ROOF DEAD: 1.20 P.S.F.
COLLATERAL DEAD: 1.80 P.S.F.
ROOF LIVE LOAD: 20.00 P.S.F.
GROUND SNOW LOAD: 20.00 P.S.F.
ROOF SNOW LOAD: 20.00 P.S.F.
WIND SPEED: 95.00 M.P.H.
EXPOSURE: C
SEISMIC USE GROUP: I
SEISMIC SITE CLASS: D
SEISMIC DESIGN CATEGORY: D
SEISMIC ANALYSIS: SIMPLIFIED
Ss: 1.520 S1: 0.537

MATERIALS

	(ASTM DESIGNATION)
TUBE STEEL (HSS HOLLOW STRUCTURAL SECTION)	A-500 GRADE B/C
WIDE FLANGE SECTIONS	A-992
STRUCTURAL STEEL PLATE	A-36, A-572 GRADE 50
ROOF PANELS (STEEL)	A-792
ANCHOR BOLTS	F1554 GRADE 55
CONNECTION BOLTS	F3125 GRADE A325

David Dayton
Digitally signed by David Dayton
Date: 2025.09.25 12:14:35 -04'00'

FABRICATOR APPROVALS
CLARK COUNTY STEEL FABRICATOR NUMBER: 707
CITY OF LOS ANGLES FABRICATOR NUMBER: FB03254

REGISTERED PROFESSIONAL ENGINEER DAVID S. DAYTON III No. C 045618 Exp. Dec. 31, 2026 CIVIL STATE OF CALIFORNIA 9/24/25

THIS SEAL PERTAINS ONLY TO THE MATERIALS AND INFORMATION SHOWN ON THESE DRAWINGS. THIS SEAL DOES NOT BEAR AT OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.

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800.748.0983
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COVER SHEET

DRAWN BY: DTH
DATE: 9/17/2025
JOB NO.: 11355
REVISION: B
BUILDING TYPE: CUS16X16-9.5Z
PROJECT NAME: ANAHEIM RIVER PARK
ANAHEIM, CA 92806
SHEET 1.0

S:\Jobs\11300 Jobs\11355 - CUS16X16-9.5Z-PD (3) - Anaheim River Park\Engineering\Info\Drawings\Submittals\11355 - CUS16X16-9.5Z - INVENTOR.dw

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NOTES:

ALL WELDING CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED.
ALL WELDING IS PERFORMED BY AWS CERTIFIED WELDERS. THERE IS NO FIELD WELDING REQUIRED, U.N.O.

FOUNDATIONS HAVE BEEN DESIGNED WITH CLASS 5 SOILS PRESUMPTIVE LOAD-BEARING VALUES IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS. VERTICAL FOUNDATION PRESSURE: 1,500 PSF. LATERAL BEARING PRESSURE: 100 PSF/FT. COHESION 130 PSF. IF SITE-SPECIFIC SOILS DO NOT MEET THE REQUIREMENTS FOR SOIL CLASS 5 , CONTACT A LOCAL GEOTECHNICAL ENGINEER.

DUE TO STANDARDIZED FABRICATION, PARTS SHOWN MAY BE UPGRADED. REFER TO THE SHIPPING BILL OF MATERIALS FOR POSSIBLE SUBSTITUTIONS.

ICON SHELTER SYSTEMS INC. RECOMMENDS THAT THE PRIMARY FRAMING INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM OF FIVE (5) YEARS OF DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.

HIGH STRENGTH BOLTING:
ALL HIGH STRENGTH BOLTS ARE F3125 GRADE A325 BOLTS WITH HEAVY HEX NUTS. THE BOLTS ARE TO BE INSTALLED UTILIZING THE "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS" (8/1/2014) AS PREPARED BY RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC) FOR THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC). THE BOLTS SHALL BE INSTALLED AS SNUG TIGHTENED WHICH IS DEFINED AS "THE TIGHTNESS THAT IS ATTAINED WITH A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRONWORKER USING AN ORDINARY SPUD WRENCH TO BRING THE PLIES INTO FIRM CONTACT, WHICH IS THE CONDITION WHEN THE PLANES OF CONTACT BETWEEN TWO PLIES ARE SOLIDLY SEATED AGAINST EACH OTHER, BUT NOT NECESSARILY IN CONTINUOUS CONTACT WITH UTILIZATION OF THE SNUG TIGHTENING METHOD, NO WASHERS ARE REQUIRED.
ALL CONNECTIONS ARE BEARING TYPE CONNECTIONS UNLESS NOTED OTHERWISE.

BEFORE ERECTING THE FRAME, VERIFY ALL BOLTS AND NUTS ARE CLEAN OF DEBRIS AND BURRS - INCLUDING THE HARDWARE ALREADY FASTENED INSIDE THE MEMBERS. CHASING THREADS ON SOME BOLTS AND NUTS MAY BE REQUIRED. APPLICATION OF THREAD WAX MAY BE USED TO ASSIST IN TIGHTENING (NOT BY ICON).

IT IS THE RESPONSIBILITY OF THE INSTALLER TO INSURE PROPER TIGHTNESS.

PROPER ERECTION OF THE FRAMING MEMBERS REQUIRES THE MAIN COLUMNS TO BE PLUMB & SQUARE. COLUMNS, RAFTER, AND TIE BEAM CONNECTIONS MUST BE TIGHTENED BEFORE INSTALLING THE PURLINS. PURLINS MUST BE PARALLEL TO THE TIE BEAMS AND EAVE BEAMS.

ICON RECOMMENDS TO NOT FULLY TIGHTEN CONNECTION HARDWARE UNTIL THE MAJORITY OR ENTIRETY OF FRAME COMPONENTS ARE ERECTED. PURLINS OR OTHER MEMBERS THAT REQUIRE SCREW FASTENERS SHOULD BE INSTALLED LAST. THIS ALLOWS FOR MOVEMENT OF MEMBERS TO HELP ALIGN THE SHELTER AS INTENDED.

THE TOUCH-UP KIT SHOULD BE UTILIZED FOR ANY EXPOSED STEEL (CHIPS, SCUFFS, OR SCRATCHES) THAT MAY RESULT FROM SHIPPING, HANDLING, OR INSTALLATION OF SHELTER COMPONENTS. ROUTINE TOUCH-UP IS RECOMMENDED.

WHEN DRILLING OPERATIONS ARE REQUIRED, METAL SHAVINGS CAN ACCUMULATE AND MUST BE QUICKLY AND CAREFULLY REMOVED TO PREVENT RUST AND STAINS ON SHELTER COMPONENTS (FRAME AND ROOF). THIS SHOULD BE CHECKED AND PERFORMED AT THE END OF EACH DAY OF INSTALLATION BY SWEEPING, BRUSHING, AND/OR USING COMPRESSED AIR.

THE ENGINEERING AND DETAILING FOR THIS STRUCTURE IS ONLY VALID IF ICON SHELTERS SYSTEMS FABRICATES THE COMPONENTS.

CARE & MAINTENANCE:

ICON REQUIRES THAT THE COATED PRODUCTS LOCATED NEAR A SEASHORE (SALT WATER) ENVIRONMENT BE SYSTEMATICALLY CLEANED, TO REMOVE SALT DEPOSITS PER THE FOLLOWING CLEANING PROGRAM:
A. PERIODIC CLEANING AND INSPECTION OF THE STRUCTURES IS REQUIRED TO REMOVE CONTAMINANTS THAT CAN CAUSE CHEMICAL OR MECHANICAL FILM DEGRADATION IF LEFT EXPOSED FOR LONG PERIODS OF TIME.
B. CLEANING AND INSPECTION MUST COMMENCE IMMEDIATELY AFTER INSTALLATION TO CLEAN ANY SOILS, CONCRETE, OR OTHER CONTAMINANTS THAT HAVE BEEN DEPOSITED DURING THIS TIME. FOR APPLICATION OF WARRANTY, CLEANING MUST BE DOCUMENTED, AND PROPER RECORDS KEPT, OR WARRANTIES ARE CONSIDERED NULL AND VOID.
   I. NON-HAZARDOUS ENVIRONMENTS - CLEAN AND CHECK EVERY 12 MONTHS.
   II. TROPICAL ENVIRONMENTS - CLEAN AN CHECK EVERY 9 MONTHS.
   III. SWIMMING AND LEISURE POOLS - CLEAN AND CHECK EVERY 2 MONTHS.
   IV. MARINE ENVIRONMENTS - CLEAN AND CHECK EVERY 3 MONTHS.
   V. INDUSTRIAL ENVIRONMENTS - CLEAN AND CHECK EVERY 3 MONTHS.
   VI. HAZARDOUS ENVIRONMENTS - CLEAN AND CHECK MONTHLY.
C. DO NOT USE ABRASIVE CLEANERS OR ABRASIVE IMPLEMENTS SUCH AS STEEL WOOL, SANDPAPER, OR WIRE BRUSHES.
D. CLEANING AGENTS SHOULD ALWAYS BE TESTED IN AN AREA THAT IS NOT EASILY SEEN BEFORE USE.
E. STRONG SOLVENTS SHOULD NOT BE USED.
F. ALWAYS RINSE CLEANER WITH PLENTIFUL AMOUNTS OF CLEAN WATER.
G. MILDEW CAN BE REMOVED WITH A SOLUTION OF:
   I. 1/3 CUP DETERGENT.
   II. 2/3 CUP TRISODIUM PHOSPHATE
   III. 1-QUART SODIUM HYPOCHLORITE, 5% SOLUTION (BLEACH)

RECEIVING SHIPMENTS:

PERFORM A FULL INVENTORY OF ALL ITEMS RECEIVED UPON DELIVERY. ANY DEFECTS OR DAMAGE MUST BE ANNOTATED ON THE BILL OF LADING AND REPORTED TO ICON SHELTER SYSTEMS AS SOON AS POSSIBLE.

PLASTIC WRAP ON COMPONENT BUNDLES MUST BE REMOVED WITHIN 5 DAYS OF DELIVERY. FAILURE TO COMPLY MAY DAMAGE COATING AND WILL VOID WARRANTY. EXTRA PRECAUTION SHOULD BE TAKEN TO AVOID DAMAGE TO MEMBER FINISH.

TOUCH-UP KITS SHOULD BE REMOVED FROM SHIPMENT BUNDLES AND STORED INDOORS WITH MINIMAL HEAT FLUCTUATION. OPTIMAL STORAGE TEMPERATURE IS 70 DEG F. PAINT WILL QUICKLY DEGRADE AT TEMPERATURES LOWER THAN 40 DEG F, AND HIGHER THAN 90 DEG F.

IF METAL ROOF PANELS ARE NOT TO BE INSTALLED WITHIN 2 WEEKS, ICON RECOMMENDS KEEPING IN A CLIMATE CONTROLLED STORAGE FACILITY OR A COVERED, LOW HUMIDITY ENVIRONMENT. ROOF MATERIALS CAN QUICKLY DEVELOP STORAGE STAINS FROM EXCESS MOISTURE BETWEEN PANELS/TRIM WHICH CAN BE DIFFICULT, OR IMPOSSIBLE, TO FULLY REMOVE.

REGISTERED PROFESSIONAL ENGINEER DAVID S. DAYTON III No. C 045618 Exp. Dec. 31, 2026 CIVIL STATE OF CALIFORNIA 9/24/25

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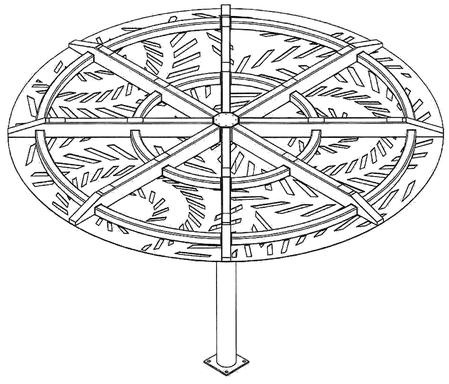
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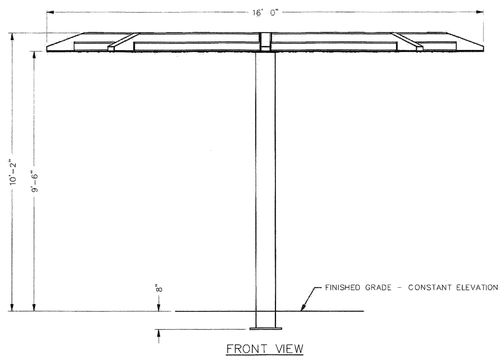
DRAWN BY: DTH
DATE: 9/17/2025
JOB NO.: 11355
REVISION: B
BUILDING TYPE: CUS16X16-9.5Z
PROJECT NAME: ANAHEIM RIVER PARK
ANAHEIM, CA 92806
SHEET 1.1

S:\Jobs\11300 Jobs\11355 - CUS16X16-9.5Z-PD (3) - Anaheim River Park\Engineering\Info\Drawings\Submittals\11355 - CUS16X16-9.5Z - INVENTOR.dw

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ISOMETRIC VIEW



FRONT VIEW

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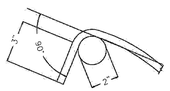
ELEVATION

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SHEET 2.0

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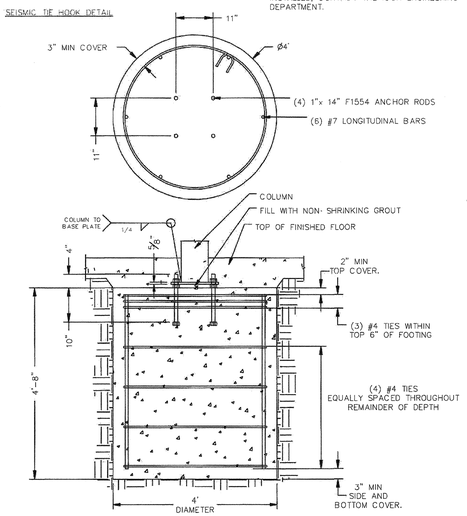
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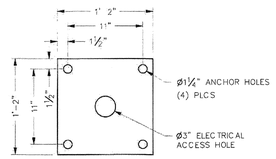
NOTE:
IT IS ESSENTIAL THAT ANCHOR BOLTS ARE PLACED ACCURATELY! MEASUREMENTS SHOULD BE TAKEN BEFORE AND AFTER FOUNDATIONS ARE POURED TO CONFIRM DIMENSIONS ARE MET AND COMPONENTS HAVE NOT SHIFTED. ICON STRONGLY RECOMMENDS UTILIZING ANCHOR BOLT TEMPLATES TO AID IN THIS PROCESS.



SEISMIC TIE HOOK DETAIL

CONCRETE STRENGTH F'c = 3500 PSI
REBAR GRADE Fy = 60 KSI
SLAB IS REQUIRED. IF NO SLAB IS TO BE INSTALLED, CONTACT THE ICON ENGINEERING DEPARTMENT.





DETAIL A
BASE PLATE MATERIAL
5/8" THICK GR50

REGISTERED PROFESSIONAL ENGINEER DAVID S. DAYTON III No. C 045618 Exp. Dec. 31, 2026 CIVIL STATE OF CALIFORNIA 9/24/25

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ANCHOR BOLT LAYOUT

DRAWN BY: DTH
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JOB NO.: 11355
REVISION: B
BUILDING TYPE: CUS16X16-9.5Z
PROJECT NAME: ANAHEIM RIVER PARK
ANAHEIM, CA 92806
SHEET 3.0

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RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

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REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

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LICENSED LANDSCAPE ARCHITECT JEFFREY T. BARR No. 5205 SIGNATURE 12-31-26 RENEWAL DATE 05-12-26 DATE STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION DETAILS — LC-208

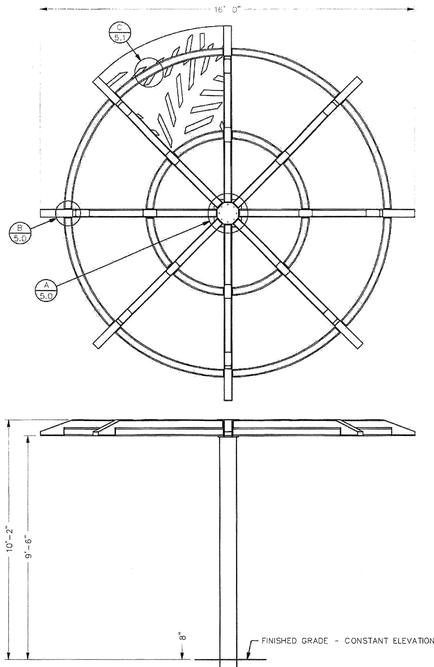
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ANAHEIM, CA 92806

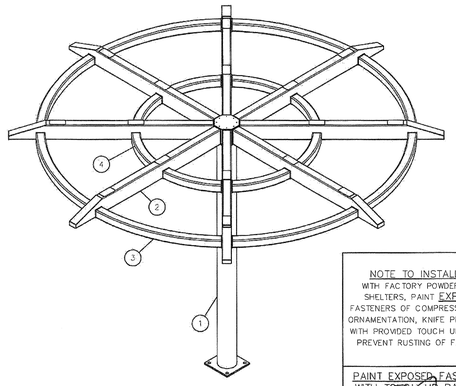
BLD2025-04799
SHEET 20 OF 62

SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

CITY OF ANAHEIM — D-XXX

PLOT DATE: 09/11/2025





ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	LENGTH	UNIT WEIGHT
1	1		COLUMN	8" SCHEDULE 40		379 lbmass
2	8		RAFTER	HSS8X4X0.1875		104 lbmass
3	8		CURVED BEAM 1	HSS4X4X0.375		64 lbmass
4	8		CURVED BEAM 2	HSS4X4X0.375		31 lbmass

NOTE: LASER CUT PANELS HIDDEN FOR CLARITY.
FOR LASER CUT PANEL LOCATIONS SEE SHEET 4.1

B

NOTE TO INSTALLERS:
WITH FACTORY POWDERCOATED SHELTERS, PAINT EXPOSED FASTENERS OF COMPRESSION RINGS, ORNAMENTATION, KNIFE PLATES, ETC. WITH PROVIDED TOUCH UP PAINT TO PREVENT RUSTING OF FASTENERS

PAINT EXPOSED FASTENERS WITH TOUCH UP PAINT KIT

REGISTERED PROFESSIONAL ENGINEER DARREN T. DAWSON III No. C 045618 Exp. Dec. 31, 2026 CIVIL STATE OF CALIFORNIA 9/24/25

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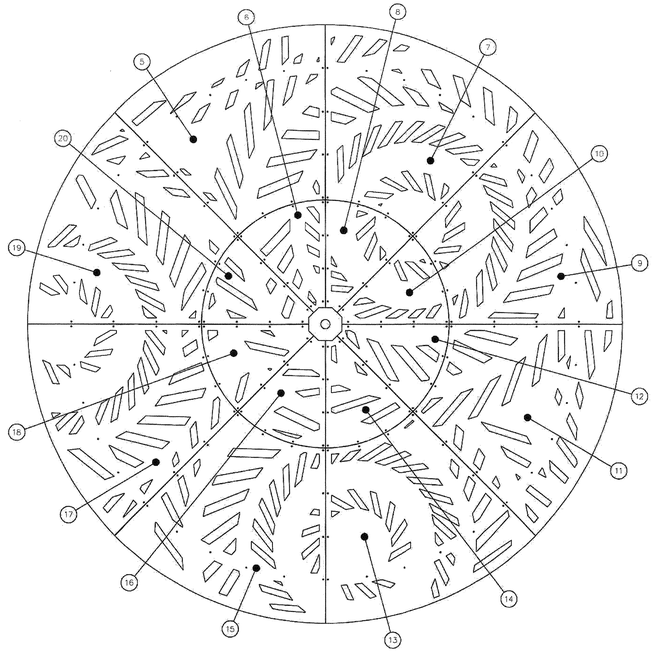
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800.748.0985
616.396.0944 FX

FRAME LAYOUT

DRAWN BY: DTH
DATE: 9/17/2025
JOB NO.: 11355
REVISION: B
BUILDING TYPE: CUS16X16-9.5Z
PROJECT NAME: ANAHEIM RIVER PARK
ANAHEIM, CA 92806
SHEET 4.0

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ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	LENGTH	UNIT WEIGHT
5	1		LASER CUT PANEL 1	1/4" PLATE		184 lbmass
6	1		LASER CUT PANEL 2	1/4" PLATE		36 lbmass
7	1		LASER CUT PANEL 3	1/4" PLATE		179 lbmass
8	1		LASER CUT PANEL 4	1/4" PLATE		39 lbmass
9	1		LASER CUT PANEL 5	1/4" PLATE		178 lbmass
10	1		LASER CUT PANEL 6	1/4" PLATE		36 lbmass
11	1		LASER CUT PANEL 7	1/4" PLATE		179 lbmass
12	1		LASER CUT PANEL 8	1/4" PLATE		36 lbmass
13	1		LASER CUT PANEL 9	1/4" PLATE		183 lbmass
14	1		LASER CUT PANEL 10	1/4" PLATE		39 lbmass
15	1		LASER CUT PANEL 11	1/4" PLATE		178 lbmass
16	1		LASER CUT PANEL 12	1/4" PLATE		38 lbmass
17	1		LASER CUT PANEL 13	1/4" PLATE		177 lbmass
18	1		LASER CUT PANEL 14	1/4" PLATE		39 lbmass
19	1		LASER CUT PANEL 15	1/4" PLATE		179 lbmass
20	1		LASER CUT PANEL 16	1/4" PLATE		38 lbmass

B

NOTE TO INSTALLERS:
WITH FACTORY POWDERCOATED SHELTERS, PAINT EXPOSED FASTENERS OF COMPRESSION RINGS, ORNAMENTATION, KNIFE PLATES, ETC. WITH PROVIDED TOUCH UP PAINT TO PREVENT RUSTING OF FASTENERS

PAINT EXPOSED FASTENERS WITH TOUCH UP PAINT KIT

REGISTERED PROFESSIONAL ENGINEER DARREN T. DAWSON III No. C 045618 Exp. Dec. 31, 2026 CIVIL STATE OF CALIFORNIA 9/24/25

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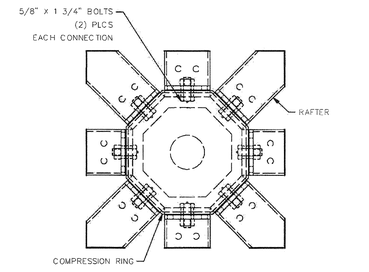
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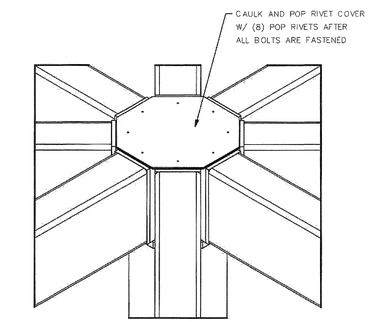
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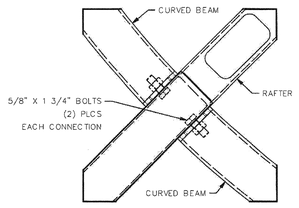
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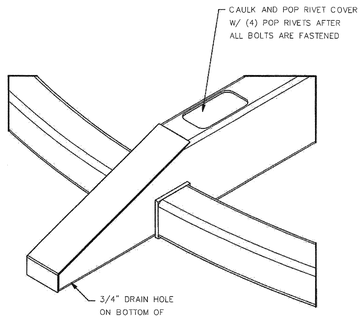
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RAFTER CONNECTION @ COLUMN DETAIL A





CURVED BEAM CONNECTION @ RAFTER DETAIL B

NOTE TO INSTALLERS:
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PAINT EXPOSED FASTENERS WITH TOUCH UP PAINT KIT

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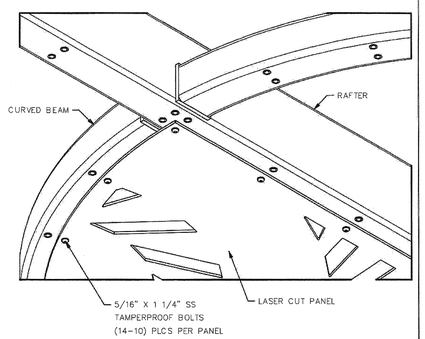
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FRAME CONNECTIONS

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LASER CUT PANEL CONNECTION @ RAFTER DETAIL C

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RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

FOR CITY USE ONLY

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
SEE SHEET LC-100 FOR LANDSCAPE CONSTRUCTION LEGEND
SEE SHEETS LC-101 - LC-106 FOR LANDSCAPE CONSTRUCTION PLANS
SEE SHEETS LC-200 - LC-214 FOR LANDSCAPE CONSTRUCTION DETAILS

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

LICENSED LANDSCAPE ARCHITECT JEFFREY T. BARR No. 5308 SIGNATURE 12-31-26 RENEWAL DATE 05-12-26 DATE STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION DETAILS — LC-209

SITE ADDRESS: RIVER PARK, 2445 EAST ORANGEWOOD AVE., ANAHEIM, CA 92806 — BLD2025-04799

SHEET 21 OF 62

SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

CITY OF ANAHEIM — D-XXX

PLOT DATE: 09/11/2025

ICON
Shelter Systems Inc

JOB NUMBER: 11356
JOB NAME: ANAHEIM RIVER PARK
JOB LOCATION: ANAHEIM, CA 92806

REVISION: B
A INITIAL SUBMITTAL REVISION (8/19/2025)
B UPDATED PER MARK UPS (DTH 9/17/2025)

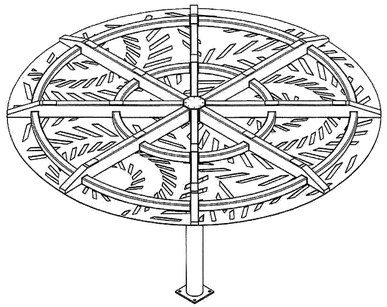
REV'D DATE: 9/17/2025

APPROVAL FOR FABRICATION REQUIRED:
BY SIGNING THIS FABRICATION APPROVAL I AUTHORIZE ICON SHELTERS TO FABRICATE THE PRODUCT AS REPRESENTED AND DESCRIBED WITHIN THIS SUBMITTAL PACKAGE, WITH NO FURTHER CHANGES OR AMENDMENTS REQUIRED. THIS APPROVED SUBMITTAL DOCUMENT SUPERSEDES ALL OTHER DESIGN DOCUMENTS RELATED TO THIS SHELTER/PRODUCT AND REPRESENTS THE FINAL DESIGN TO BE FABRICATED.

PRINT NAME: _____ DATE: _____
SIGNATURE: _____

TABLE OF CONTENTS

1.0 - 1.1 COVER SHEET/ NOTES
2.0 ELEVATION
3.0 ANCHOR BOLT LAYOUT
4.0 - 4.1 FRAME LAYOUT
5.0 - 5.1 FRAME CONNECTIONS



DESIGN LOADS

CODE: 2022 CALIFORNIA BUILDING CODE

TOTAL DEAD: 17.31 P.S.F.
FRAME DEAD: 14.31 P.S.F.
ROOF DEAD: 1.20 P.S.F.
COLLATERAL DEAD: 1.80 P.S.F.
ROOF LIVE LOAD: 20.00 P.S.F.
GROUND SNOW LOAD: 20.00 P.S.F.
ROOF SNOW LOAD: 20.00 P.S.F.
WIND SPEED: 95.00 M.P.H.
EXPOSURE: C
SEISMIC USE GROUP: I
SEISMIC SITE CLASS: D
SEISMIC DESIGN CATEGORY: D
SEISMIC ANALYSIS: SIMPLIFIED
Ss: 1.520 S1: 0.537

MATERIALS

	(ASTM DESIGNATION)
TUBE STEEL (HSS HOLLOW STRUCTURAL SECTION)	A-500 GRADE B/C
WIDE FLANGE SECTIONS	A-992
STRUCTURAL STEEL PLATE	A-36, A-572 GRADE 50
ROOF PANELS (STEEL)	A-792
ANCHOR BOLTS	F1554 GRADE 55
CONNECTION BOLTS	F3125 GRADE A325

David Dayton
Digitally signed by David Dayton
Date: 2025.09.25 12:28:13 -04'00'

FABRICATOR APPROVALS
CLARK COUNTY STEEL FABRICATOR NUMBER: 707
CITY OF LOS ANGLES FABRICATOR NUMBER: FB03254

REGISTERED PROFESSIONAL ENGINEER DAVID C. DAYTON III No. C 045618 Exp. Dec. 31, 2026 CIVIL STATE OF CALIFORNIA 9/24/25

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COVER SHEET

DRAWN BY: DTH
DATE: 9/17/2025
JOB NO.: 11356
REVISION: B
BUILDING TYPE: CUS16X16-8.5Z
PROJECT NAME: ANAHEIM RIVER PARK
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SHEET 1.0

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NOTES:

ALL WELDING CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED.
ALL WELDING IS PERFORMED BY AWS CERTIFIED WELDERS. THERE IS NO FIELD WELDING REQUIRED, U.N.O.

FOUNDATIONS HAVE BEEN DESIGNED WITH CLASS 5 SOILS PRESUMPTIVE LOAD-BEARING VALUES IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS. VERTICAL FOUNDATION PRESSURE: 1,500 PSF, LATERAL BEARING PRESSURE: 100 PSF/FT, COHESION 130 PSF. IF SITE-SPECIFIC SOILS DO NOT MEET THE REQUIREMENTS FOR SOIL CLASS 5 , CONTACT A LOCAL GEOTECHNICAL ENGINEER.

DUE TO STANDARDIZED FABRICATION, PARTS SHOWN MAY BE UPGRADED. REFER TO THE SHIPPING BILL OF MATERIALS FOR POSSIBLE SUBSTITUTIONS.

ICON SHELTER SYSTEMS INC. RECOMMENDS THAT THE PRIMARY FRAMING INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM OF FIVE (5) YEARS OF DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.

HIGH STRENGTH BOLTING:
ALL HIGH STRENGTH BOLTS ARE F3125 GRADE A325 BOLTS WITH HEAVY HEX NUTS. THE BOLTS ARE TO BE INSTALLED UTILIZING THE "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS" (8/1/2014) AS PREPARED BY RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC) FOR THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC). THE BOLTS SHALL BE INSTALLED AS SNUG TIGHTENED WHICH IS DEFINED AS THE TIGHTNESS THAT IS ATTAINED WITH A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRONWORKER USING AN ORDINARY SPUD WRENCH TO BRING THE PLIES INTO FIRM CONTACT, WHICH IS THE CONDITION WHEN THE PLANES OF CONTACT BETWEEN TWO PLIES ARE SOLIDLY SEATED AGAINST EACH OTHER, BUT NOT NECESSARILY IN CONTINUOUS CONTACT WITH UTILIZATION OF THE SNUG TIGHTENING METHOD, NO WASHERS ARE REQUIRED.
ALL CONNECTIONS ARE BEARING TYPE CONNECTIONS UNLESS NOTED OTHERWISE.

BEFORE ERECTING THE FRAME, VERIFY ALL BOLTS AND NUTS ARE CLEAN OF DEBRIS AND BURRS – INCLUDING THE HARDWARE ALREADY FASTENED INSIDE THE MEMBERS. CHASING THREADS ON SOME BOLTS AND NUTS MAY BE REQUIRED. APPLICATION OF THREAD WAX MAY BE USED TO ASSIST IN TIGHTENING (NOT BY ICON).

IT IS THE RESPONSIBILITY OF THE INSTALLER TO INSURE PROPER TIGHTNESS.

PROPER ERECTION OF THE FRAMING MEMBERS REQUIRES THE MAIN COLUMNS TO BE PLUMB & SQUARE. COLUMNS, RAFTER, AND TIE BEAM CONNECTIONS MUST BE TIGHTENED BEFORE INSTALLING THE PURLINS. PURLINS MUST BE PARALLEL TO THE TIE BEAMS AND EAVE BEAMS.

ICON RECOMMENDS TO NOT FULLY TIGHTEN CONNECTION HARDWARE UNTIL THE MAJORITY OR ENTIRETY OF FRAME COMPONENTS ARE ERECTED. PURLINS OR OTHER MEMBERS THAT REQUIRE SCREW FASTENERS SHOULD BE INSTALLED LAST. THIS ALLOWS FOR MOVEMENT OF MEMBERS TO HELP ALIGN THE SHELTER AS INTENDED.

THE TOUCH-UP KIT SHOULD BE UTILIZED FOR ANY EXPOSED STEEL (CHIPS, SCUFFS, OR SCRATCHES) THAT MAY RESULT FROM SHIPPING, HANDLING, OR INSTALLATION OF SHELTER COMPONENTS. ROUTINE TOUCH-UP IS RECOMMENDED.

WHEN DRILLING OPERATIONS ARE REQUIRED, METAL SHAVINGS CAN ACCUMULATE AND MUST BE QUICKLY AND CAREFULLY REMOVED TO PREVENT RUST AND STAINS ON SHELTER COMPONENTS (FRAME AND ROOF). THIS SHOULD BE CHECKED AND PERFORMED AT THE END OF EACH DAY OF INSTALLATION BY SWEEPING, BRUSHING, AND/OR USING COMPRESSED AIR.

THE ENGINEERING AND DETAILING FOR THIS STRUCTURE IS ONLY VALID IF ICON SHELTERS SYSTEMS FABRICATES THE COMPONENTS.

CARE & MAINTENANCE:

ICON REQUIRES THAT THE COATED PRODUCTS LOCATED NEAR A SEASHORE (SALT WATER) ENVIRONMENT BE SYSTEMATICALLY CLEANED. TO REMOVE SALT DEPOSITS PER THE FOLLOWING CLEANING PROGRAM:
A. PERIODIC CLEANING AND INSPECTION OF THE STRUCTURES IS REQUIRED TO REMOVE CONTAMINANTS THAT CAN CAUSE CHEMICAL OR MECHANICAL FILM DEGRADATION IF LEFT EXPOSED FOR LONG PERIODS OF TIME.
B. CLEANING AND INSPECTION MUST COMMENCE IMMEDIATELY AFTER INSTALLATION TO CLEAN ANY SOILS, CONCRETE, OR OTHER CONTAMINANTS THAT HAVE BEEN DEPOSITED DURING THIS TIME. FOR APPLICATION OF WARRANTY, CLEANING MUST BE DOCUMENTED, AND PROPER RECORDS KEPT, OR WARRANTIES ARE CONSIDERED NULL AND VOID
   I. NON-HAZARDOUS ENVIRONMENTS – CLEAN AND CHECK EVERY 12 MONTHS.
   II. TROPICAL ENVIRONMENTS – CLEAN AN CHECK EVERY 9 MONTHS.
   III. SWIMMING AND LEISURE POOLS – CLEAN AND CHECK EVERY 3 MONTHS.
   IV. MARINE ENVIRONMENTS – CLEAN AND CHECK EVERY 3 MONTHS.
   V. INDUSTRIAL ENVIRONMENTS – CLEAN AND CHECK EVERY 3 MONTHS.
   VI. HAZARDOUS ENVIRONMENTS – CLEAN AND CHECK MONTHLY.
C. DO NOT USE ABRASIVE CLEANERS OR ABRASIVE IMPLEMENTS SUCH AS STEEL WOOL, SANDPAPER, OR WIRE BRUSHES.
D. CLEANING AGENTS SHOULD ALWAYS BE TESTED IN AN AREA THAT IS NOT EASILY SEEN BEFORE USE.
E. STRONG SOLVENTS SHOULD NOT BE USED.
F. ALWAYS RINSE CLEANER WITH PLENTIFUL AMOUNTS OF CLEAN WATER.
G. MILDEW CAN BE REMOVED WITH A SOLUTION OF:
   I. 1/3 CUP DETERGENT.
   II. 2/3 CUP TRISODIUM PHOSPHATE
   III. 1-QUART SODIUM HYPOCHLORITE, 5% SOLUTION (BLEACH)

RECEIVING SHIPMENTS:

PERFORM A FULL INVENTORY OF ALL ITEMS RECEIVED UPON DELIVERY. ANY DEFECTS OR DAMAGE MUST BE ANNOTATED ON THE BILL OF LADING AND REPORTED TO ICON SHELTER SYSTEMS AS SOON AS POSSIBLE.

PLASTIC WRAP ON COMPONENT BUNDLES MUST BE REMOVED WITHIN 5 DAYS OF DELIVERY. FAILURE TO COMPLY MAY DAMAGE COATING AND WILL VOID WARRANTY. EXTRA PRECAUTION SHOULD BE TAKEN TO AVOID DAMAGE TO MEMBER FINISH.

TOUCH-UP KITS SHOULD BE REMOVED FROM SHIPMENT BUNDLES AND STORED INDOORS WITH MINIMAL HEAT FLUCTUATION. OPTIMAL STORAGE TEMPERATURE IS 70 DEG F. PAINT WILL QUICKLY DEGRADE AT TEMPERATURES LOWER THAN 40 DEG F, AND HIGHER THAN 90 DEG F.

IF METAL ROOF PANELS ARE NOT TO BE INSTALLED WITHIN 2 WEEKS, ICON RECOMMENDS KEEPING IN A CLIMATE CONTROLLED STORAGE FACILITY OR A COVERED, LOW HUMIDITY ENVIRONMENT. ROOF MATERIALS CAN QUICKLY DEVELOP STORAGE STAINS FROM EXCESS MOISTURE BETWEEN PANELS/TRIM WHICH CAN BE DIFFICULT, OR IMPOSSIBLE, TO FULLY REMOVE.

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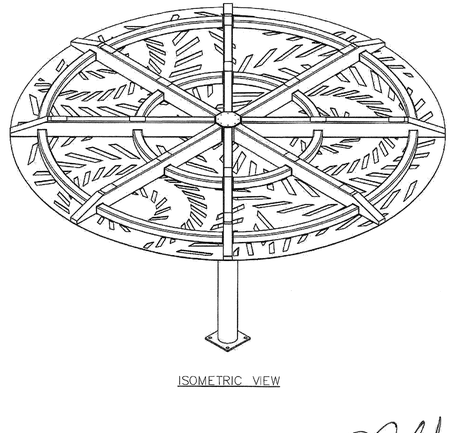
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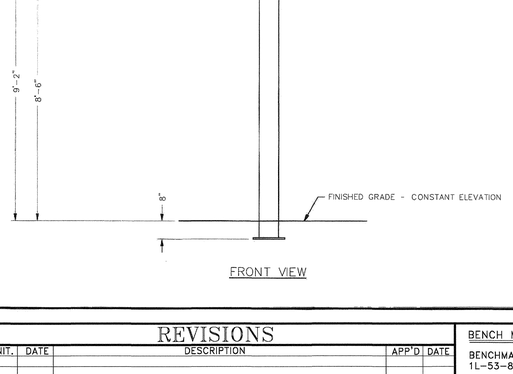
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ISOMETRIC VIEW



FRONT VIEW

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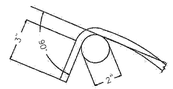
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ELEVATION

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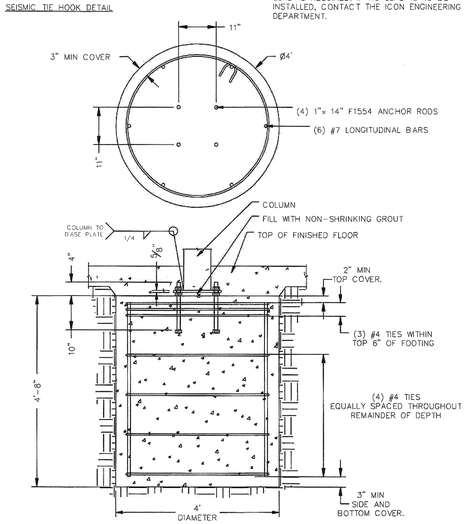
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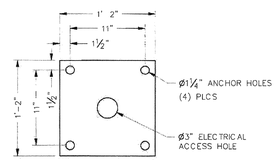


SEISMIC TIE HOOK DETAIL

CONCRETE STRENGTH F'c = 3500 PSI
REBAR GRADE Fy = 60 KSI
SLAB IS REQUIRED. IF NO SLAB IS TO BE INSTALLED, CONTACT THE ICON ENGINEERING DEPARTMENT.

NOTE:
IT IS ESSENTIAL THAT ANCHOR BOLTS ARE PLACED ACCURATELY. MEASUREMENTS SHOULD BE TAKEN BEFORE AND AFTER FOUNDATIONS ARE POURED TO CONFIRM DIMENSIONS ARE MET AND COMPONENTS HAVE NOT SHIFTED. ICON STRONGLY RECOMMENDS UTILIZING ANCHOR BOLT TEMPLATES TO AID IN THIS PROCESS.





DETAIL A
BASE PLATE MATERIAL
5/8" THICK GR50

REGISTERED PROFESSIONAL ENGINEER DAVID C. DAYTON III No. C 045618 Exp. Dec. 31, 2026 CIVIL STATE OF CALIFORNIA 9/24/25

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HOLLAND MI. 49423
616.396.0919
800.748.0985
616.396.0944 FX

ANCHOR BOLT LAYOUT

DRAWN BY: DTH
DATE: 9/17/2025
JOB NO.: 11356
REVISION: B
BUILDING TYPE: CUS16X16-8.5Z
PROJECT NAME: ANAHEIM RIVER PARK
ANAHEIM, CA 92806
SHEET 3.0

PRINTED ON :

S:\Jobs\11300 Jobs\11356 - CUS16X16-8.5Z-P0 (2) - Anaheim River Park\Engineering\Drawings\Submittals\11356 - CUS16X16-8.5Z - INVENTOR.idw

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

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REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
SEE SHEET LC-100 FOR LANDSCAPE CONSTRUCTION LEGEND
SEE SHEETS LC-101 - LC-106 FOR LANDSCAPE CONSTRUCTION PLANS
SEE SHEETS LC-200 - LC-214 FOR LANDSCAPE CONSTRUCTION DETAILS

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1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
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LICENSED LANDSCAPE ARCHITECT JEFFREY T. BARR No. 5209 SIGNATURE 12-31-26 RENEWAL DATE 05-12-26 DATE STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION DETAILS — LC-210

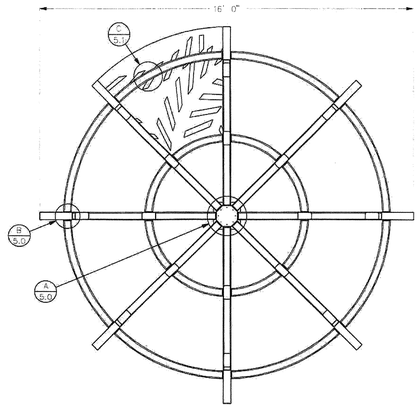
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2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

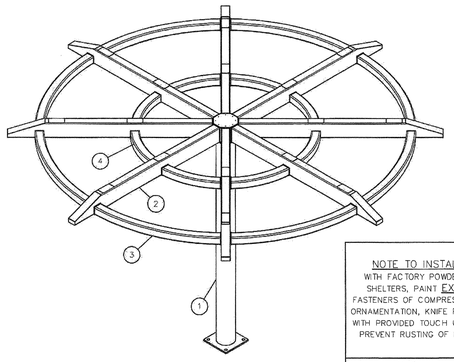
BLD2025-04799
SHEET 22 OF 62

SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

CITY OF ANAHEIM — D-XXX

PLOT DATE: 09/11/2025





ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	LENGTH	UNIT WEIGHT
1	1		COLUMN	8" SCHEDULE 40		350 lbsmass
2	8		RAFTER	HSS8X4X0.1875		104 lbsmass
3	8		CURVED BEAM 1	HSS4X4X0.375		64 lbsmass
4	8		CURVED BEAM 2	HSS4X4X0.375		31 lbsmass

NOTE: LASER CUT PANELS HIDDEN FOR CLARITY.
FOR LASER CUT PANEL LOCATIONS SEE SHEET 4.1

B

NOTE TO INSTALLERS:
WITH FACTORY POWDERCOATED SHELTERS, PAINT EXPOSED FASTENERS OF COMPRESSION RINGS, ORNAMENTATION, KNIFE PLATES, ETC. WITH PROVIDED TOUCH UP PAINT TO PREVENT RUSTING OF FASTENERS

PAINT EXPOSED FASTENERS USING TOUCH UP PAINT KIT

REGISTERED PROFESSIONAL ENGINEER DAVID B. DARLINGTON III No. C 045618 Exp. Dec. 31, 2026 CIVIL STATE OF CALIFORNIA
9/24/25

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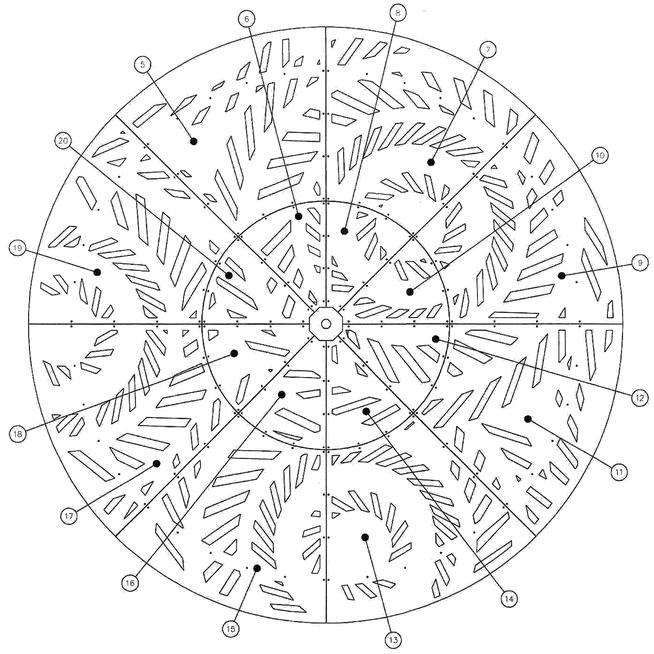
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FRAME LAYOUT

DRAWN BY: DTH
DATE: 9/17/2025
JOB NO.: 11356
REVISION: B-
BUILDING TYPE: CUS16X16-8.5Z
PROJECT NAME: ANAHEIM RIVER PARK
ANAHEIM, CA 92806
SHEET 4.0

S:\Jobs\11300 Jobs\11356 - CUS16X16-8.5Z-P0 (2) - Anaheim River Park\Engineering\n\Drawings\Submittals\11356 - CUS16X16-8.5Z - INVENTOR.idw

PRINTED ON :



ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	LENGTH	UNIT WEIGHT
5	1		LASER CUT PANEL 1	1/4" PLATE		184 lbsmass
6	1		LASER CUT PANEL 2	1/4" PLATE		36 lbsmass
7	1		LASER CUT PANEL 3	1/4" PLATE		179 lbsmass
8	1		LASER CUT PANEL 4	1/4" PLATE		39 lbsmass
9	1		LASER CUT PANEL 5	1/4" PLATE		178 lbsmass
10	1		LASER CUT PANEL 6	1/4" PLATE		38 lbsmass
11	1		LASER CUT PANEL 7	1/4" PLATE		179 lbsmass
12	1		LASER CUT PANEL 8	1/4" PLATE		36 lbsmass
13	1		LASER CUT PANEL 9	1/4" PLATE		183 lbsmass
14	1		LASER CUT PANEL 10	1/4" PLATE		38 lbsmass
15	1		LASER CUT PANEL 11	1/4" PLATE		178 lbsmass
16	1		LASER CUT PANEL 12	1/4" PLATE		39 lbsmass
17	1		LASER CUT PANEL 13	1/4" PLATE		177 lbsmass
18	1		LASER CUT PANEL 14	1/4" PLATE		39 lbsmass
19	1		LASER CUT PANEL 15	1/4" PLATE		179 lbsmass
20	1		LASER CUT PANEL 16	1/4" PLATE		38 lbsmass

B

NOTE TO INSTALLERS:
WITH FACTORY POWDERCOATED SHELTERS, PAINT EXPOSED FASTENERS OF COMPRESSION RINGS, ORNAMENTATION, KNIFE PLATES, ETC. WITH PROVIDED TOUCH UP PAINT TO PREVENT RUSTING OF FASTENERS

PAINT EXPOSED FASTENERS USING TOUCH UP PAINT KIT

REGISTERED PROFESSIONAL ENGINEER DAVID B. DARLINGTON III No. C 045618 Exp. Dec. 31, 2026 CIVIL STATE OF CALIFORNIA
9/24/25

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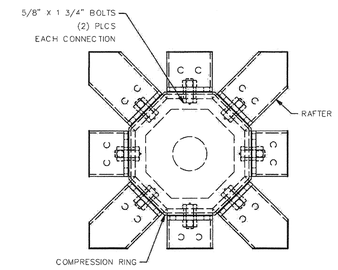
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FRAME LAYOUT

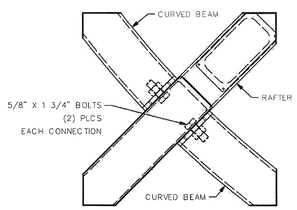
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DATE: 9/17/2025
JOB NO.: 11356
REVISION: B
BUILDING TYPE: CUS16X16-8.5Z
PROJECT NAME: ANAHEIM RIVER PARK
ANAHEIM, CA 92806
SHEET 4.1

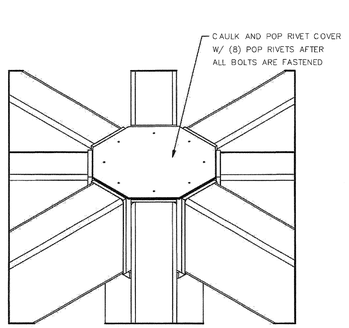
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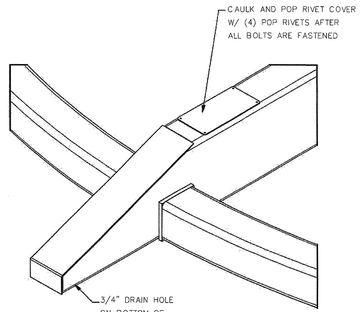
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RAFTER CONNECTION @ COLUMN — DETAIL A







CURVED BEAM CONNECTION @ RAFTER — DETAIL B

NOTE TO INSTALLERS:
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PAINT EXPOSED FASTENERS USING TOUCH UP PAINT KIT

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9/24/25

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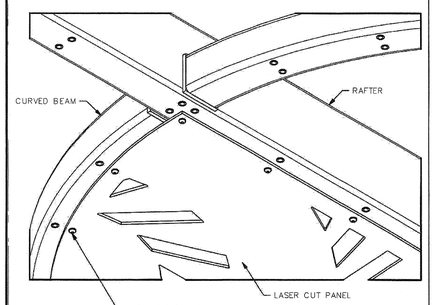
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FRAME CONNECTIONS

DRAWN BY: DTH
DATE: 9/17/2025
JOB NO.: 11356
REVISION: B
BUILDING TYPE: CUS16X16-8.5Z
PROJECT NAME: ANAHEIM RIVER PARK
ANAHEIM, CA 92806
SHEET 5.0

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LASER CUT PANEL CONNECTION @ RAFTER — DETAIL C

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DATE: 9/17/2025
JOB NO.: 11356
REVISION: B
BUILDING TYPE: CUS16X16-8.5Z
PROJECT NAME: ANAHEIM RIVER PARK
ANAHEIM, CA 92806
SHEET 5.1

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RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

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REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
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SEE SHEETS LC-101 - LC-106 FOR LANDSCAPE CONSTRUCTION PLANS
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619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5205
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION DETAILS — LC-211

SITE ADDRESS: RIVER PARK
2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

BLD2025-04799
SHEET 23 OF 62

SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

CITY OF ANAHEIM — D-XXX

PLOT DATE: 09/11/2025

ICON
Shelter Systems Inc

JOB NUMBER: 11357
JOB NAME: ANAHEIM RIVER PARK
JOB LOCATION: ANAHEIM, CA 92806

REVISION: B
A INITIAL SUBMITTAL REVISION (DTH 8/19/2025)
B UPDATED PER MARK UPS (DTH 9/17/2025)

REV: B
DATE: 9/17/2025

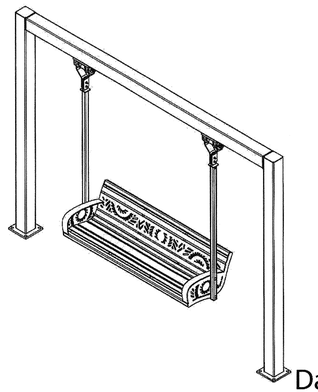
APPROVAL FOR FABRICATION REQUIRED:
BY SIGNING THIS FABRICATION APPROVAL I AUTHORIZE ICON SHELTERS TO FABRICATE THE PRODUCT AS REPRESENTED AND DESCRIBED WITHIN THIS SUBMITTAL PACKAGE, WITH NO FURTHER CHANGES OR AMENDMENTS REQUIRED. THIS APPROVED SUBMITTAL DOCUMENT SUPERSEDES ALL OTHER DESIGN DOCUMENTS RELATED TO THIS SHELTER/PRODUCT AND REPRESENTS THE FINAL DESIGN TO BE FABRICATED.

PRINT NAME: _____ DATE:
SIGNATURE: _____

TABLE OF CONTENTS

1.0-1.1 COVER SHEET/ NOTES
2.0 FRAME LAYOUT
3.0 ANCHOR BOLT LAYOUT
4.0- 4.1 FRAME CONNECTIONS

1



DESIGN LOADS
CODE: 2022 CALIFORNIA BUILDING CODE

TOTAL DEAD: 8.70 P.S.F.
FRAME DEAD: 5.70 P.S.F.
ROOF DEAD: 1.20 P.S.F.
COLLATERAL DEAD: 1.80 P.S.F.
ROOF LIVE LOAD: 20.00 P.S.F.
GROUND SNOW LOAD: 20.000 P.S.F.
ROOF SNOW LOAD: 20.00 P.S.F.
WIND SPEED: 95.00 M.P.H.
EXPOSURE: C
SEISMIC USE GROUP: I
SEISMIC SITE CLASS: D
SEISMIC DESIGN CATEGORY: D
SEISMIC ANALYSIS: SIMPLIFIED
Ss: 1.520 S1: 0.537

MATERIALS

	(ASTM DESIGNATION)
TUBE STEEL (HSS HOLLOW STRUCTURAL SECTION)	A-500 GRADE B/C
WIDE FLANGE SECTIONS	A-992
STRUCTURAL STEEL PLATE	A-36, A-572 GRADE 50
ROOF PANELS (STEEL)	A-792
ANCHOR BOLTS	F1554 GRADE 55
CONNECTION BOLTS	F3125 GRADE A325

David Dayton
Digitally signed by David Dayton
Date: 2025.09.25 12:41:43 -04'00'

FABRICATOR APPROVALS
CLARK COUNTY STEEL FABRICATOR NUMBER: 707
CITY OF LOS ANGLES FABRICATOR NUMBER: FB03254

REGISTERED PROFESSIONAL ENGINEER DAVID S. DAYTON No. C 045618 Exp. Dec. 31, 2026 CIVIL STATE OF CALIFORNIA
9/24/25
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COVER SHEET

DRAWN BY: DTH
DATE: 9/17/2025
JOB NO.: 11357
REVISION: B
BUILDING TYPE: EA12
PROJECT NAME: ANAHEIM RIVER PARK ANAHEIM, CA 92806
SHEET 1.0

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NOTES:

ALL WELDING CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED.
ALL WELDING IS PERFORMED BY AWS CERTIFIED WELDERS. THERE IS NO FIELD WELDING REQUIRED, U.N.O.

FOUNDATIONS HAVE BEEN DESIGNED WITH CLASS 5 SOILS PRESUMPTIVE LOAD-BEARING VALUES IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS. VERTICAL FOUNDATION PRESSURE: 1,500 PSF LATERAL BEARING PRESSURE: 100 PSF/FT. COHESION 130 PSF. IF SITE-SPECIFIC SOILS DO NOT MEET THE REQUIREMENTS FOR SOIL CLASS 5 , CONTACT A LOCAL GEOTECHNICAL ENGINEER.

DUE TO STANDARDIZED FABRICATION, PARTS SHOWN MAY BE UPGRADED. REFER TO THE SHIPPING BILL OF MATERIALS FOR POSSIBLE SUBSTITUTIONS.

ICON SHELTER SYSTEMS INC. RECOMMENDS THAT THE PRIMARY FRAMING INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM OF FIVE (5) YEARS OF DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.

HIGH STRENGTH BOLTING:
ALL HIGH STRENGTH BOLTS ARE F3125 GRADE A325 BOLTS WITH HEAVY HEX NUTS. THE BOLTS ARE TO BE INSTALLED UTILIZING THE "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS" (8/1/2014) AS PREPARED BY RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC) FOR THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC). THE BOLTS SHALL BE INSTALLED AS SNUG TIGHTENED WHICH IS DEFINED AS THE TIGHTNESS THAT IS ATTAINED WITH A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRONWORKER USING AN ORDINARY SPUD WRENCH TO BRING THE PLIES INTO FIRM CONTACT, WHICH IS THE CONDITION WHEN THE PLANES OF CONTACT BETWEEN TWO PLIES ARE SOLIDLY SEATED AGAINST EACH OTHER, BUT NOT NECESSARILY IN CONTINUOUS CONTACT WITH UTILIZATION OF THE SNUG TIGHTENING METHOD, NO WASHERS ARE REQUIRED.
ALL CONNECTIONS ARE BEARING TYPE CONNECTIONS UNLESS NOTED OTHERWISE.

BEFORE ERECTING THE FRAME, VERIFY ALL BOLTS AND NUTS ARE CLEAN OF DEBRIS AND BURRS - INCLUDING THE HARDWARE ALREADY FASTENED INSIDE THE MEMBERS. CHASING THREADS ON SOME BOLTS AND NUTS MAY BE REQUIRED. APPLICATION OF THREAD WAX MAY BE USED TO ASSIST IN TIGHTENING (NOT BY ICON).

IT IS THE RESPONSIBILITY OF THE INSTALLER TO INSURE PROPER TIGHTNESS.

PROPER ERECTION OF THE FRAMING MEMBERS REQUIRES THE MAIN COLUMNS TO BE PLUMB & SQUARE. COLUMNS, RAFTER, AND TIE BEAM CONNECTIONS MUST BE TIGHTENED BEFORE INSTALLING THE PURLINS. PURLINS MUST BE PARALLEL TO THE TIE BEAMS AND EAVE BEAMS.

ICON RECOMMENDS TO NOT FULLY TIGHTEN CONNECTION HARDWARE UNTIL THE MAJORITY OR ENTIRETY OF FRAME COMPONENTS ARE ERECTED. PURLINS OR OTHER MEMBERS THAT REQUIRE SCREW FASTENERS SHOULD BE INSTALLED LAST. THIS ALLOWS FOR MOVEMENT OF MEMBERS TO HELP ALIGN THE SHELTER AS INTENDED.

THE TOUCH-UP KIT SHOULD BE UTILIZED FOR ANY EXPOSED STEEL (CHIPS, SCUFFS, OR SCRATCHES) THAT MAY RESULT FROM SHIPPING, HANDLING, OR INSTALLATION OF SHELTER COMPONENTS. ROUTINE TOUCH-UP IS RECOMMENDED.

WHEN DRILLING OPERATIONS ARE REQUIRED, METAL SHAVINGS CAN ACCUMULATE AND MUST BE QUICKLY AND CAREFULLY REMOVED TO PREVENT RUST AND STAINS ON SHELTER COMPONENTS (FRAME AND ROOF). THIS SHOULD BE CHECKED AND PERFORMED AT THE END OF EACH DAY OF INSTALLATION BY SWEEPING, BRUSHING, AND/OR USING COMPRESSED AIR.

THE ENGINEERING AND DETAILING FOR THIS STRUCTURE IS ONLY VALID IF ICON SHELTERS SYSTEMS FABRICATES THE COMPONENTS

CARE & MAINTENANCE:

ICON REQUIRES THAT THE COATED PRODUCTS LOCATED NEAR A SEASHORE (SALT WATER) ENVIRONMENT BE SYSTEMATICALLY CLEANED. TO REMOVE SALT DEPOSITS PER THE FOLLOWING CLEANING PROGRAM:
A. PERIODIC CLEANING AND INSPECTION OF THE STRUCTURES IS REQUIRED TO REMOVE CONTAMINANTS THAT CAN CAUSE CHEMICAL OR MECHANICAL FILM DEGRADATION IF LEFT EXPOSED FOR LONG PERIODS OF TIME.
B. CLEANING AND INSPECTION MUST COMMENCE IMMEDIATELY AFTER INSTALLATION TO CLEAN ANY SOILS, CONCRETE, OR OTHER CONTAMINANTS THAT HAVE BEEN DEPOSITED DURING THIS TIME. FOR APPLICATION OF WARRANTY, CLEANING MUST BE DOCUMENTED, AND PROPER RECORDS KEPT, OR WARRANTIES ARE CONSIDERED NULL AND VOID.
   I. NON-HAZARDOUS ENVIRONMENTS - CLEAN AND CHECK EVERY 12 MONTHS.
   II. TROPICAL ENVIRONMENTS - CLEAN AN CHECK EVERY 9 MONTHS.
   III. SWIMMING AND LEISURE POOLS - CLEAN AND CHECK EVERY 3 MONTHS.
   IV. MARINE ENVIRONMENTS - CLEAN AND CHECK EVERY 3 MONTHS.
   V. INDUSTRIAL ENVIRONMENTS - CLEAN AND CHECK EVERY 3 MONTHS
   VI. HAZARDOUS ENVIRONMENTS - CLEAN AND CHECK MONTHLY.
C. DO NOT USE ABRASIVE CLEANERS OR ABRASIVE IMPLEMENTS SUCH AS STEEL WOOL, SANDPAPER, OR WIRE BRUSHES.
D. CLEANING AGENTS SHOULD ALWAYS BE TESTED IN AN AREA THAT IS NOT EASILY SEEN BEFORE USE.
E. STRONG SOLVENTS SHOULD NOT BE USED.
F. ALWAYS RINSE CLEANER WITH PLENTIFUL AMOUNTS OF CLEAN WATER.
G. MILDEW CAN BE REMOVED WITH A SOLUTION OF:
   I. 1/3 CUP DETERGENT.
   II. 2/3 CUP TRISODIUM PHOSPHATE
   III. 1-QUART SODIUM HYPOCHLORITE, 5% SOLUTION (BLEACH)

RECEIVING SHIPMENTS:

PERFORM A FULL INVENTORY OF ALL ITEMS RECEIVED UPON DELIVERY. ANY DEFECTS OR DAMAGE MUST BE ANNOTATED ON THE BILL OF LADING AND REPORTED TO ICON SHELTER SYSTEMS AS SOON AS POSSIBLE.

PLASTIC WRAP ON COMPONENT BUNDLES MUST BE REMOVED WITHIN 5 DAYS OF DELIVERY. FAILURE TO COMPLY MAY DAMAGE COATING AND WILL VOID WARRANTY. EXTRA PRECAUTION SHOULD BE TAKEN TO AVOID DAMAGE TO MEMBER FINISH.

TOUCH-UP KITS SHOULD BE REMOVED FROM SHIPMENT BUNDLES AND STORED INDOORS WITH MINIMAL HEAT FLUCTUATION. OPTIMAL STORAGE TEMPERATURE IS 70 DEG F. PAINT WILL QUICKLY DEGRADE AT TEMPERATURES LOWER THAN 40 DEG F, AND HIGHER THAN 90 DEG F.

IF METAL ROOF PANELS ARE NOT TO BE INSTALLED WITHIN 2 WEEKS, ICON RECOMMENDS KEEPING IN A CLIMATE CONTROLLED STORAGE FACILITY OR A COVERED, LOW HUMIDITY ENVIRONMENT. ROOF MATERIALS CAN QUICKLY DEVELOP STORAGE STAINS FROM EXCESS MOISTURE BETWEEN PANELS/TRIM WHICH CAN BE DIFFICULT, OR IMPOSSIBLE, TO FULLY REMOVE.

REGISTERED PROFESSIONAL ENGINEER DAVID S. DAYTON No. C 045618 Exp. Dec. 31, 2026 CIVIL STATE OF CALIFORNIA
9/24/25
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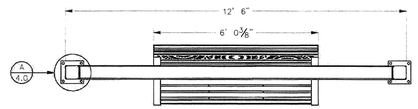
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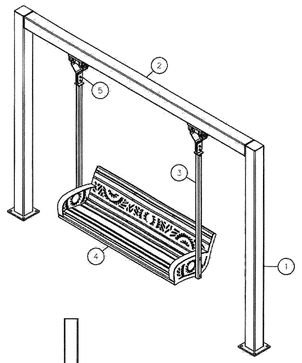
DRAWN BY: DTH
DATE: 9/17/2025
JOB NO.: 11357
REVISION: B
BUILDING TYPE: EA12
PROJECT NAME: ANAHEIM RIVER PARK ANAHEIM, CA 92806
SHEET 1.1

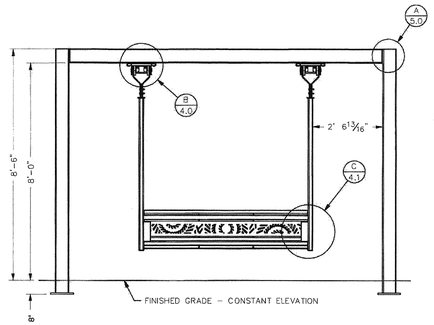
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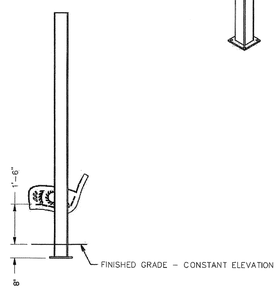
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ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	LENGTH	UNIT WEIGHT
1	2		COLUMN	HSS6X6X0.1875		132 lb/mass
2	1		TIE BEAM	HSS6X6X0.1875		176 lb/mass
3	2		SWING ARM	HSS2X2X0.1875		26 lb/mass
4	1		BENCH ASSEMBLY	WELDMENT		288 lb/mass
5	4		SWING BRACKET ASSEMBLY	ASSEMBLY		4 lb/mass









B

NOTE TO INSTALLERS:
WITH FACTORY POWDERCOATED SHELTERS, PAINT EXPOSED FASTENERS OF COMPRESSION RINGS, ORNAMENTATION, KNIFE PLATES, ETC. WITH PROVIDED TOUCH UP PAINT TO PREVENT RUSTING OF FASTENERS

PAINT EXPOSED FASTENERS USING TOUCH UP PAINT KIT

REGISTERED PROFESSIONAL ENGINEER DAVID S. DAYTON No. C 045618 Exp. Dec. 31, 2026 CIVIL STATE OF CALIFORNIA
9/24/25
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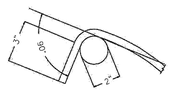
FRAME LAYOUT

DRAWN BY: DTH
DATE: 9/17/2025
JOB NO.: 11357
REVISION: B
BUILDING TYPE: EA12
PROJECT NAME: ANAHEIM RIVER PARK ANAHEIM, CA 92806
SHEET 2.0

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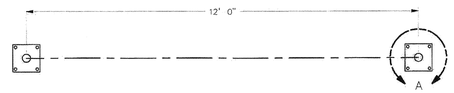
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NOTE:
IT IS ESSENTIAL THAT ANCHOR BOLTS ARE PLACED ACCURATELY! MEASUREMENTS SHOULD BE TAKEN BEFORE AND AFTER FOUNDATIONS ARE POURED TO CONFIRM DIMENSIONS ARE MET AND COMPONENTS HAVE NOT SHIFTED. ICON STRONGLY RECOMMENDS UTILIZING ANCHOR BOLT TEMPLATES TO AID IN THIS PROCESS.

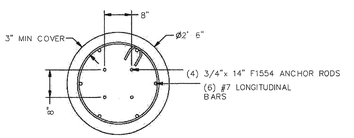


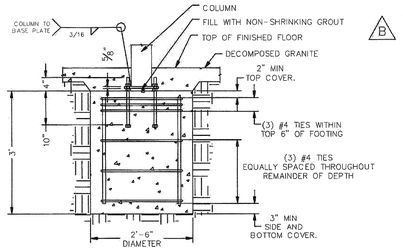
SEISMIC TIE HOOK DETAIL

CONCRETE STRENGTH F'c = 3500 PSI
REBAR GRADE Fy = 60 KSI

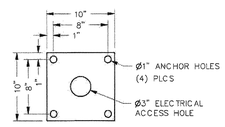


ANCHOR BOLT LAYOUT
FINISHED GRADE ASSUMED AT CONSTANT ELEVATION UNLESS NOTED OTHERWISE





B



DETAIL A
BASE PLATE MATERIAL
5/8" THICK GR50

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9/24/25
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ANCHOR BOLT LAYOUT

DRAWN BY: DTH
DATE: 9/17/2025
JOB NO.: 11357
REVISION: B
BUILDING TYPE: EA12
PROJECT NAME: ANAHEIM RIVER PARK ANAHEIM, CA 92806
SHEET 3.0

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REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:
BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
SEE SHEET LC-100 FOR LANDSCAPE CONSTRUCTION LEGEND
SEE SHEETS LC-101 - LC-106 FOR LANDSCAPE CONSTRUCTION PLANS
SEE SHEETS LC-200 - LC-214 FOR LANDSCAPE CONSTRUCTION DETAILS

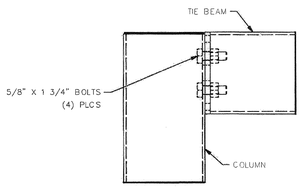
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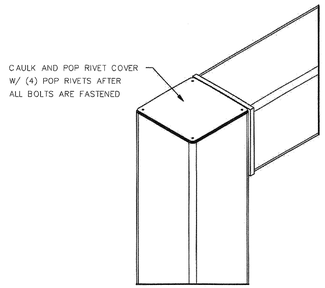
LICENSED LANDSCAPE ARCHITECT JEFFREY T. BARR No. 5205
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION DETAILS — LC-212
SITE ADDRESS: RIVER PARK, 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806 — BLD2025-04799
SHEET 24 OF 62
SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM — D-XXX

PLOT DATE: 09/11/2025

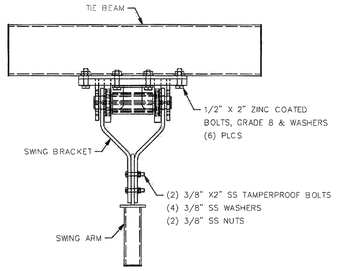
RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025
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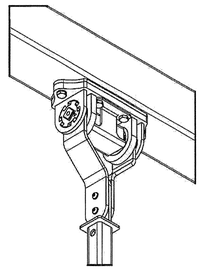




TIE BEAM CONNECTION
@ COLUMN

DETAIL A





SWING BRACKET AND SWING ARM
CONNECTION @ TIE BEAM

DETAIL B

B

NOTE TO INSTALLERS:
WITH FACTORY POWDERCOATED SHELTERS, PAINT EXPOSED FASTENERS OF COMPRESSION RINGS, ORNAMENTATION, KNIFE PLATES, ETC. WITH PROVIDED TOUCH UP PAINT TO PREVENT RUSTING OF FASTENERS

PAINT EXPOSED FASTENERS USING TOUCH UP PAINT KIT

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FRAME CONNECTIONS

DRAWN BY: DTH
DATE: 9/17/2025
JOB NO.: 11357
REVISION: B
BUILDING TYPE: EA12
PROJECT NAME: ANAHEIM RIVER PARK ANAHEIM, CA 92806
SHEET 4.0

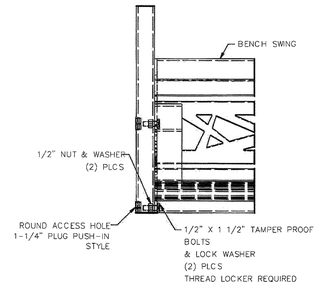
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9/24/25

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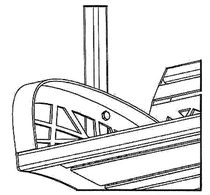
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NOTE: BENCH ORNAMENTATION DESIGN MAY VARY, SEE SHEET 2.0 FOR ACTUAL DESIGN.



NOTE: SWING ARMS MUST BE INSTALLED TO UPPER BEAMS BEFORE ATTACHING BENCH TO ARMS



BENCH CONNECTION
@ SWING ARM

DETAIL C

NOTE TO INSTALLERS:
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FRAME CONNECTIONS

DRAWN BY: DTH
DATE: 9/17/2025
JOB NO.: 11357
REVISION: B
BUILDING TYPE: EA12
PROJECT NAME: ANAHEIM RIVER PARK ANAHEIM, CA 92806
SHEET 4.1

REGISTERED PROFESSIONAL ENGINEER DARRIN D. DAWSON III No. C 045618 Exp. Dec. 31, 2026 CIVIL STATE OF CALIFORNIA
9/24/25

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RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

FOR CITY USE ONLY

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
SEE SHEET LC-100 FOR LANDSCAPE CONSTRUCTION LEGEND
SEE SHEETS LC-101 - LC-106 FOR LANDSCAPE CONSTRUCTION PLANS
SEE SHEETS LC-200 - LC-214 FOR LANDSCAPE CONSTRUCTION DETAILS

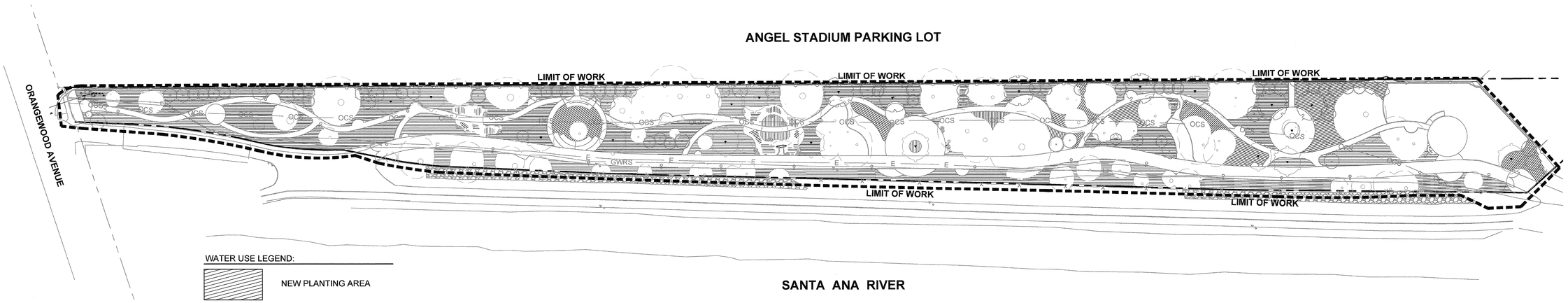
SCHMIDT DESIGN GROUP
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619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

LICENSED LANDSCAPE ARCHITECT JEFFREY T. BARR No. 5219
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION DETAILS	LC-213
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799
	SHEET 24 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM	D-XXX

PLOT DATE: 09/11/2025

ANGEL STADIUM PARKING LOT



WORST CASE IRRIGATION WATER SCHEDULE FOR CONTROLLER(S) x DURING JULY (typical driest month)

Anaheim River Park

Schedule based on the following design parameters
(Qty.1) 2" point of connection : 50 GPM "Capacity" @ 5.00fps
Current Design 50 GPM "Maximum Capacity" @ 5.00fps

FORMULA: T = (60 X ET X PF) / (PR X EA) X 7 / 3 where:

T = IRRIGATION TIME (in minutes)
ET = Evapotranspiration Rate for July = 0.204 6.33 in/yr in July div. by 31 days CIMIS Sta. 184: 47
PF = CROP COEFFICIENT (0.5 FOR TREES and SHRUBS and 0.65 for TURF)
PR = PRECIPITATION RATE
EA = APPLICATION EFFICIENCY (0.65 - 0.85)

Total number of hours avail per City of Anaheim Water Window standards =	8	**Hours**
Total hours per day for controller 1 running 2 valves per cycle @max. 50 GPM =	4.02	**Hours**
Total number of hours per week available for Water Window =	24	**Hours (8hrs/day * 7days)**
Total hours per week required to operate controller(s) 1 @max. 50 GPM =	12.05	**Hours**

		minutes per hour	ET	PF	PR	EA	water days	water days per week	Minutes per run day
TREE BUBBLER	=	60.0	0.204	0.5	1.91	0.81	6	3	8
DRIPLINE	=	60.0	0.204	0.5	0.64	0.85	6	3	23

Hydrozone	Irrigation Area	Controller / POC	Peak single valve GPM per Cycle
A	Turf Irrigation	x	
B	Shrub Irrigation	x	
C	Bubbler	x	

Summary of Controller Run Times

Irrigation Type	GPM	Station	PR	PF	Run Time	Gallons / Station
DRIPLINE	12.28	C1	0.64	0.5	23	276.6
DRIPLINE	22	C2	0.64	0.5	23	495.5
DRIPLINE	21.04	C3	0.64	0.5	23	473.8
DRIPLINE	9.36	C4	0.64	0.5	23	210.8
DRIPLINE	24.3	C5	0.64	0.5	23	547.3
DRIPLINE	24.3	C6	0.64	0.5	23	547.3
BUBBLER	8.14	C7	1.91	0.5	8	64.5
DRIPLINE	16.2	C8	0.64	0.5	23	364.8
DRIPLINE	24.3	C9	0.64	0.5	23	547.3
DRIPLINE	8	C10	0.64	0.5	23	180.2
DRIPLINE	3.59	C11	0.64	0.5	23	80.9
BUBBLER	11.97	C12	1.91	0.5	8	94.8
DRIPLINE	24.3	C13	0.64	0.5	23	547.3
DRIPLINE	24.3	C14	0.64	0.5	23	547.3
DRIPLINE	24.3	C15	0.64	0.5	23	547.3
BUBBLER	24.3	C16	1.91	0.5	8	192.4
DRIPLINE	24.3	C17	0.64	0.5	23	547.3
DRIPLINE	24.3	C18	0.64	0.5	23	547.3
DRIPLINE	13.2	C19	0.64	0.5	23	297.3
DRIPLINE	5	C20	0.64	0.5	23	112.6
DRIPLINE	32.4	C21	0.64	0.5	23	729.7
DRIPLINE	13.2	C22	0.64	0.5	23	297.3
DRIPLINE	18.21	C23	0.64	0.5	23	410.1
BUBBLER	17	C24	1.91	0.5	8	134.6
	430.3	**Total Overall GPM**			482.1	**Total Minutes Per Day**
	4.42	**Average # Operable Valves @ 50 GPM (Available Volume at POC)**				

TOTAL MINUTES PER DAY =	482.1	**minutes**
TOTAL HOURS PER DAY running 2 valves per cycle @ 50 GPM =	4.02	**hrs**
TOTAL GALLONS PER DAY =	8794	**gallons**

WORST CASE IRRIGATION WATER SCHEDULE FOR CONTROLLER(S) x DURING JULY (typical driest month)

Anaheim River Park

Schedule based on the following design parameters
(Qty.1) 2" point of connection : 50 GPM "Capacity" @ 5.00fps
Current Design 50 GPM "Maximum Capacity" @ 5.00fps

FORMULA: T = (60 X ET X PF) / (PR X EA) X 7 / 3 where:

T = IRRIGATION TIME (in minutes)
ET = Evapotranspiration Rate for July = 0.070 2.17 in/yr in December div. by 31 days CIMIS Sta. 184: 47
PF = CROP COEFFICIENT (0.5 FOR TREES and SHRUBS and 0.65 for TURF)
PR = PRECIPITATION RATE
EA = APPLICATION EFFICIENCY (0.65 - 0.85)

Total number of hours avail per City of Anaheim Water Window standards =	8	**Hours**
Total hours per day for controller 1 running 2 valves per cycle @max. 50 GPM =	1.38	**Hours**
Total number of hours per week available for Water Window =	24	**Hours (8hrs/day * 7days)**
Total hours per week required to operate controller(s) 1 @max. 50 GPM =	4.13	**Hours**

		minutes per hour	ET	PF	PR	EA	water days	water days per week	Minutes per run day
TREE BUBBLER	=	60.0	0.070	0.5	1.91	0.81	6	3	3
DRIPLINE	=	60.0	0.070	0.5	0.64	0.85	6	3	8

Hydrozone	Irrigation Area	Controller / POC	Peak single valve GPM per Cycle
A	Turf Irrigation	x	
B	Shrub Irrigation	x	
C	Bubbler	x	

Summary of Controller Run Times

Irrigation Type	GPM	Station	PR	PF	Run Time	Gallons / Station
DRIPLINE	12.28	C1	0.64	0.5	8	94.8
DRIPLINE	22	C2	0.64	0.5	8	169.9
DRIPLINE	21.04	C3	0.64	0.5	8	162.4
DRIPLINE	9.36	C4	0.64	0.5	8	72.3
DRIPLINE	24.3	C5	0.64	0.5	8	187.6
DRIPLINE	24.3	C6	0.64	0.5	8	187.6
BUBBLER	8.14	C7	1.91	0.5	3	22.1
DRIPLINE	16.2	C8	0.64	0.5	8	125.1
DRIPLINE	24.3	C9	0.64	0.5	8	187.6
DRIPLINE	8	C10	0.64	0.5	8	61.8
DRIPLINE	3.59	C11	0.64	0.5	8	27.7
BUBBLER	11.97	C12	1.91	0.5	3	32.5
DRIPLINE	24.3	C13	0.64	0.5	8	187.6
DRIPLINE	24.3	C14	0.64	0.5	8	187.6
DRIPLINE	24.3	C15	0.64	0.5	8	187.6
BUBBLER	24.3	C16	1.91	0.5	3	66.0
DRIPLINE	24.3	C17	0.64	0.5	8	187.6
DRIPLINE	24.3	C18	0.64	0.5	8	187.6
DRIPLINE	13.2	C19	0.64	0.5	8	101.9
DRIPLINE	5	C20	0.64	0.5	8	38.6
DRIPLINE	32.4	C21	0.64	0.5	8	250.1
DRIPLINE	13.2	C22	0.64	0.5	8	101.9
DRIPLINE	18.21	C23	0.64	0.5	8	140.6
BUBBLER	17	C24	1.91	0.5	3	46.2
	430.3	**Total Overall GPM**			165.3	**Total Minutes Per Day**
	4.42	**Average # Operable Valves @ 50 GPM (Available Volume at POC)**				

TOTAL MINUTES PER DAY =	165.3	**minutes**
TOTAL HOURS PER DAY running 2 valves per cycle @ 50 GPM =	1.38	**hrs**
TOTAL GALLONS PER DAY =	3015	**gallons**

State of CA Model Water Efficent Landscape Ordinance (MWELO) Update Impact Comparison

Project Name: Anaheim River Park

2015 Executive Order EO B-29-15 MWELO CALCS - MAWA & ETWU PROJECT WATER USE ANALYSIS

Description	MAWA	ETWU		Hydrozones		
			ETAF	Low Water Use	Medium Water Use	Total Usage
Total Landscape Area (Square Feet)	35,037.00	Hydrozone Area S.F. (HA)		35,037.00	1,728.00	36,765.00 SqFt
Special Landscape Area (SLA)	0.00	SLA Hydro Area		0.00	0.00	0.00 SqFt
Irrigation Efficiency (IE)	NA	Irrigation Efficiency (IE)		Irrig Type 0.81	Irrig Type 0.81	
Reference Evapotranspiration (Eto)	48.40	Ref ET (Eto)		48.40	48.40	
Plant Factor (PF) H=.8/.7, M=.6/.5, L=.4/.3, VL=.2/.1	NA	Plant Factor (PF)		0.3	0.5	
ET Adjustment Factor (ETAF) for non residential projects	0.45	ETAF (PF/IE)		0.37	0.62	
Conversation Factor (inches to Gallons)	0.62	Conversation Factor		0.62	0.62	
Eto x .62 x [(ETAF x Land Area) + ((1-ETAF) x SLA)]	473,126	(ETAF x Area) Eto x .62 x (ETAF x Area) ETo x 0.62 x (SLA Area)		12,976.67 389,404 0.00	1,066.67 32,009 0.00	14,043.33 SqFt 421,412 Gal/Yr 0.00 Gal/Yr
Total Gallons per year	473,126	421,412				421,412.35 Gal/Yr
		Project Average ETAF	0.38			

Anticipated evapotranspiration rates for the site are based on historical averages.
This data is collected from C.I.M.I.S.(California Irrigation Management Information System)

IE = All overhead spray = 0.75; Subsurface irrigation such as Bubblers and Drip = 0.81
Data from the C.I.M.I.S Station # 75 was used.

LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE

0 25 50 100
SCALE : 1" = 50'-0"

NORTH

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SEE SHEET LI-001 FOR IRRIGATION WATER USE CALCS
SEE SHEET LI-100 FOR IRRIGATION NOTES & LEGEND
SEE SHEETS LI-101 - LI-103 FOR IRRIGATION PLANS
SEE SHEETS LI-200 - LI-201 FOR IRRIGATION DETAILS

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LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No 5205
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

IRRIGATION WATER USE CALCS — LI-001

SITE ADDRESS: RIVER PARK
2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

BLD2025-04799
SHEET 27 OF 62

SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

CITY OF ANAHEIM — D-XXX

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

FOR CITY USE ONLY

PLOT DATE: 09/11/2025

IRRIGATION NOTES:

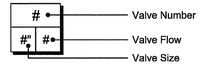
1. THE IRRIGATION SYSTEM DESIGN IS BASED ON AN AVAILABLE WATER PRESSURE OF 81 PSI AT CITY SERVICE FOR POTABLE WATER. CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION AND REPORT ANY DIFFERENCES TO THE RESIDENT ENGINEER.
   WATER COMPANY: CITY OF ANAHEIM, UTILITIES DEPARTMENT
   PHONE: (714) 765-4427
2. THE IRRIGATION SYSTEM IS SHOWN DIAGRAMMATICALLY FOR CLARITY. LOCATE ALL PIPING, VALVES, BACKFLOW PREVENTERS, AND OTHER IRRIGATION EQUIPMENT WITHIN PLANTING AREAS UNLESS NOTED OR DIRECTED OTHERWISE. LOCATE ALL VALVES AND VALVE BOXES SIX INCHES FROM EDGE OF PAVING OR CURB.
3. EXISTING UTILITIES AND FIELD CONDITIONS: PRIOR TO EXCAVATION, LOCATE ALL CABLES, CONDUITS, AND UNDERGROUND UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR AN UNDERGROUND UTILITY SERVICE TO LOCATE AND MARK UTILITIES. CONTRACTOR WILL TAKE PROPER PRECAUTIONS NOT TO DAMAGE OR DISTURB SUCH UNDERGROUND IMPROVEMENTS. NOTIFY THE RESIDENT ENGINEER IMMEDIATELY IF A CONFLICT EXISTS BETWEEN SUCH OBSTACLES AND THE PROPOSED WORK. PROCEED IN SAME MANNER IF ROCK LAYERS OR ANY OTHER CONDITIONS ENCOUNTERED UNDERGROUND MAKE CHANGES ADVISABLE.
4. ALL PIPING AND WIRING UNDER ROADWAYS AND PAVING AND THROUGH WALLS SHALL BE SLEEVED.
5. USE TWO WRAPS OF THREE-QUARTER INCH (3/4") TEFLON TAPE FOR ALL THREADED VALVE CONNECTIONS.
6. PROVIDE PULL BOXES FOR CONTROL WIRING AT ALL CHANGES IN DIRECTION GREATER THAN FORTY-FIVE (45) DEGREES AND WHERE WIRE RUNS EXCEED TWO HUNDRED FEET (200') IN LENGTH. WIRE SPLICES SHALL BE MADE IN PULL BOXES OR CONTROL VALVE BOXES ONLY.
7. AUTOMATIC IRRIGATION CONTROLLER IS TO BE SUPPLIED AND INSTALLED BY CONTRACTOR WITH ASSISTANCE FROM CITY IRRIGATION CONTROLLER CONSULTANT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTION OF FIELD WIRES TO APPROPRIATE TERMINAL STRIPS.
8. ADJUST ALL SPRINKLERS TO AVOID OVERSPRAY ONTO WALLS, WALKS, STREETS, UTILITY BOXES, BUILDINGS AND OTHER IMPROVEMENTS.
9. WHERE TRENCHING NEAR TREE ROOTS, TAKE EXTREME CAUTION, HAND DIG AND CONSULT CITY ARBORIST. NOTIFY DISTRICT LANDSCAPE INSPECTOR WHEN TRENCHING OPERATIONS HAVE SEVERED TREE ROOTS GREATER THAN THREE INCHES IN DIAMETER.
10. ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO THE FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE DESIGNED ON THE PLANS.
11. CONTRACTOR SHALL INSTALL IN-LINE ANTI-DRAIN VALVES AS WARRANTED BY SITE CONDITIONS TO ALLEVIATE LOW HEAD DRAINAGE.
12. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN THE AREA DIMENSIONS. SUCH OBSTRUCTIONS OR DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REVISIONS NECESSARY.
13. THE CONTRACTOR SHALL KEEP AN UP-TO-DATE COMPLETE "AS-BUILT" RECORD SET OF PRINTS WHICH SHALL BE UPDATED DAILY AND SHOW EVERY CHANGE FROM THE ORIGINAL DESIGN. BEFORE THE TIME OF FINAL INSPECTION, THE CONTRACTOR SHALL TRANSFER ALL INFORMATION FROM THE PRINTS TO A SET OF REPRODUCIBLE DRAWINGS, PROCURED FROM THE CITY. ALL WORK SHALL BE NEAT AND LEGIBLE.
14. INSTALL IRRIGATION HEADS IN TURF AREAS 1" FROM WALKS AND HARDSCAPE AREAS.
15. LATERAL LINE END RUNS SHALL BE 3/4" UNLESS OTHERWISE NOTED.
16. ALL CONTROL VALVES SHALL BE MANIFOLD AND GROUPED IN GENERAL AREAS SHOWN ON PLAN. VALVES SHALL BE LOCATED IN PLANTING AREAS AND IMMEDIATELY ADJACENT TO WALKS, CURBS, OR PAVING AREAS AND SET AT RIGHT ANGLES TO EDGES. INSTALL VALVES BOXES 6" FROM EDGES OF HARDSCAPE AREAS.
17. IRRIGATION LINES SHALL BE INSTALLED IN PLANTING AREAS WHERE EVER FEASIBLE AND WITHIN 12" OF PLANTING AREA EDGES UNLESS SHOWN OTHERWISE.
18. CONTRACTOR SHALL RECEIVE APPROVAL FROM LANDSCAPE ARCHITECT PRIOR TO PRUNING OF PLANT MATERIAL FOR TRENCHING OPERATION.
19. CONTRACTOR SHALL REMOVE AND DISCARD DAILY ALL PIPING DISTURBED DURING TRENCHING OPERATION.
20. CONTRACTOR SHALL REVIEW IRRIGATION SPECIFICATIONS PRIOR TO BEGINNING WORK. REFER TO TECHNICAL SPECIFICATIONS AND CONSTRUCTION DETAILS FOR INSTALLATION PROCEDURES.
21. PROVIDE PULL BOXES FOR FLOW SENSING AND MASTER VALVE CABLE AT ALL CHANGES GREATER THAN FORTY-FIVE (45) DEGREES AND WHERE CABLE RUNS EXCEED TWO HUNDRED FEET (200') IN LENGTH. INSTALL SEPARATE FLOW SENSING CABLE AND MASTER VALVE CABLE IN THE SAME ONE INCH (1") CONDUIT. NO SPLICES WILL BE ALLOWED IN FLOW SENSOR AND MASTER VALVE CABLE.
22. CONTRACTOR SHALL HEAT BRAND ALL PLASTIC VALVES BOXES WITH THE FOLLOWING LABELS. ALL LETTERS SHALL BE ONE INCH (1") HIGH. LETTERING ON VALVE BOX LIDS SHALL BE PLACED ON THE SAME LOCATION ON EACH VALVE BOX LID, AND ALL LABELING SHALL FACE THE SAME DIRECTION.
   CONTROL VALVE BOXES SHALL BE LABELED CONSECUTIVELY 1,2,3,ETC
   QUICK COUPLER VALVE BOXES SHALL BE LABELED "QCV"
   STUB OUT BOXES SHALL BE LABELED "SO"
   EXTRA CONTROL WIRE BOXES SHALL BE LABELED "LVW"
   FLOW SENSING CABLE BOXES SHALL BE LABELED "COM"
23. ALL BOLTS FOR LOCKING VALVE BOX LIDS SHALL BE STAINLESS STEEL.
24. CONTRACTOR SHALL CONTACT CITY ENGINEER PRIOR TO ANY TRENCHING OPERATIONS AROUND TREES AND PLANT MATERIAL TRIMMING REQUIREMENTS.
25. IF REQUIRED:
    ALL TREE CANOPY AND ROOT PRUNING SHALL BE PERFORMED UNDER THE SUPERVISION OF A CERTIFIED ARBORIST PRIOR TO TRENCHING OPERATIONS. CONTRACTOR SHALL PROVIDE MINIMUM TWO (2) WEEKS NOTICE PRIOR TO PERFORMING WORK.
26. CONTRACTOR TO BACKFILL AND COMPACT TRENCHES. TOP 4" OF TRENCH BACKFILL SHALL BE WITH AMENDED TOPSOIL. GRADE TRENCH LINES TO MATCH GRADE WITH SURROUNDING PLANTING AREAS.
27. CONTRACTOR SHALL INSTALL A SPARE CONTROL WIRE AT EACH VALVE MANIFOLD LOCATION UNLESS OTHERWISE NOTED ON THE PLAN. PULL WIRE INTO VALVE BOX AND COIL FOR FUTURE USE. SPARE WIRE TO BE ORANGE.
28. ALL LANDSCAPE AND IRRIGATION SHALL CONFORM TO THE STANDARDS OF THE CITY-WIDE LANDSCAPE REGULATIONS AND THE CITY OF ANAHEIM LAND DEVELOPMENT MANUAL LANDSCAPE STANDARDS AND ALL OTHER LANDSCAPE RELATED CITY AND REGIONAL STANDARDS.
29. FINAL LOCATIONS OF BACKFLOW PREVENTION DEVICE(S) SHALL BE AS NOTED ON PLANS AND APPROVED BY THE CITY'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLING. CONTRACTOR SHALL NOTIFY ALL LOCAL JURISDICTIONS FOR INSPECTION AND TESTING OF INSTALLED BACKFLOW(S).
30. CONTRACTOR TO MARK LOCATIONS OF LINES FOR CITY REVIEW AND APPROVAL PRIOR TO TRENCHING AND INSTALLING.

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	DETAIL
▼	TREE FLOOD BUBBLER (NEW TREES) (3) RAIN BIRD 1804-SAM-PRS-1400 FLOOD BUBBLER FLOOD BUBBLER 4.0IN. POPUP WITH CHECK VALVE AND PRESSURE REGULATOR. INSTALL W/ PA-80 ADAPTER.	30	509/LI-201

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	DETAIL
	RAIN BIRD XCZ-100-LC WIDE FLOW DRIP CONTROL KIT. 1IN. PEB VALVE, WITH 1IN. PRESSURE REGULATING 40PSI BASKET FILTER. 0.3-20 GPM.		1/LI-200 5/LI-200
	RAIN BIRD XCZ-150-LCS HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 15 - 62 GPM.		1/LI-200 5/LI-200
	PIPE TRANSITION POINT ABOVE GRADE PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING HEADER.		1/LI-201
F	NETAFIM TLSOV NETAFIM TLSOV- 1/2IN. MANUAL FLUSH VALVE, BARBED INSERT. INSTALL IN 10IN. BOX, WITH ADEQUATE BLANK OR IN.COBRAIN. TUBING TO EXTEND VALVE OUT OF VALVE BOX.		2/LI-200
DI	RAIN BIRD OPERIND DRIP SYSTEM OPERATION INDICATOR, STEM RISES 6IN. FOR CLEAR VISIBILITY WHEN DRIP SYSTEM IS CHARGED TO A MINIMUM OF 20PSI.		3/LI-200
	IRRIGATION DRIPLINE HEADER: RAIN BIRD QF HEADER 1" PIPE, 12" SPACING: XQF1012100 OR 3/4" PIPE, 12" SPACINGXZF7512100; SIZING BASED ON AREA.		4/LI-200
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFS-CV-09-18 XFS-CV SUB-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 4.3 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 18" O.C. DRIPLINE LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. SPECIFY XF INSERT FITTINGS.	20	4/LI-200

Valve Callout



SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL
	RAIN BIRD EFB-CP 1IN., 1-1/2IN., 2IN. BRASS REMOTE CONTROL VALVE, THAT IS CONTAMINATION PROOF W/SELF-FLUSHING FILTER SCREEN. GLOBE CONFIGURATION,	506-2/LI-201 5/LI-200
	RAIN BIRD 44-LRC 1IN. BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, AND 2-PIECE BODY.	504/LI-201
	SHUT OFF VALVE - MAINLINE NIBCO T-113-K CLASS 125 BRONZEGATE SHUT OFF VALVE WITH WHEEL HANDLE, SAME SIZE AS MAINLINE PIPE DIAMTER AT VALVE LOCATION.	503/LI-201
	SHUT OFF VALVE - MANIFOLD SPEARS 2100 TRUE UNION PVC BALL VALVE, SIZE PER LINE.	503/LI-201
MV	GRISWOLD 2160 2" SOLENOID, NORMALLY OPEN MASTER VALVE. CAST IRON AND BRONZE MATERIAL. NPT END CONNECTION.	526/LI-201
BF	FEBCO LF825YA 2" REDUCED PRESSURE BACKFLOW PREVENTER, LEAD FREE, IN STRONGBOX SMOOTH TOUCH SECURITY ENCLOSURE, STAINLESS STEEL, SBBC-22SS.	512/LI-201
C	IRRIGATION CONTROLLER CALSENSE CS3000 CONTROLLER IN HEAVY-DUTY STAINLESS-STEEL ENCLOSURE PER ELECTRICAL PLANS E201, INCLUDE CS3-GR-BUNDLE-2 FOR COMMUNICATION.	SEE ELECTRICAL PLAN
FS	CALSENSE FM 2U CALSENSE ULTRASONIC FLOW SENSOR. 2IN. PVC SCH 80 TEE-MOUNTED. 0.92 GPH-138 GPM.	526/LI-201
WM	WATER METER 2"	SEE CIVIL PLANS
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40	525/LI-201
	IRRIGATION MAINLINE: PVC SCHEDULE 80 PVC SCH 80 FOR 1" TO 1-1/2" PIPE. CLASS 315 PVC FOR 2" TO 3" PIPE.	525/LI-201
	PIPE SLEEVE: PVC SCHEDULE 40 TYPICAL PIPE SLEEVE FOR IRRIGATION PIPE SLEEVE SIZE SHALL BE 2X PIPE SIZE DIAMETER AND SHALL ALLOW FOR IRRIGATION PIPING AND THEIR RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING MATERIAL. EXTEND SLEEVES 18 INCHES BEYOND EDGES OF PAVING.	9/LI-200

CRITICAL ANALYSIS

Generated:	2025-09-11 08:15
P.O.C. NUMBER: 01	
Water Source Information:	New Water Meter
FLOW AVAILABLE	
Water Meter Size:	2"
Flow Available	70.55 GPM
PRESSURE AVAILABLE	
Static Pressure at POC:	81 PSI
Elevation Change:	5.00 ft
Service Line Size:	2"
Length of Service Line:	20 ft
Pressure Available:	78 PSI
DESIGN ANALYSIS	
Maximum Multi-valve Flow:	50 GPM
Flow Available at POC:	70.55 GPM
Residual Flow Available:	20.55 GPM

Critical Station:	C24
Design Pressure:	30 PSI
Friction Loss:	5.12 PSI
Fittings Loss:	0.53 PSI
Elevation Loss:	0 PSI
Loss through Valve:	0.9 PSI
Pressure Req. at Critical Station:	36.5 PSI
Loss for Fittings:	1.42 PSI
Loss for Main Line:	14.2 PSI
Loss for POC to Valve Elevation:	0 PSI
Loss for Backflow:	12.2 PSI
Loss for Master Valve:	1.6 PSI
Loss for Water Meter:	1.9 PSI
Critical Station Pressure at POC:	67.8 PSI
Pressure Available:	78 PSI
Residual Pressure Available:	10.2 PSI

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	DESIGN PSI	PSI	PSI @ POC	PRECIP
C1	RAIN BIRD XCZ-150-LCS	1-1/2"	AREA FOR DRIPLINE	19.13	20	28.2	45.9	0.64 in/h
C2	RAIN BIRD XCZ-150-LCS	1-1/2"	AREA FOR DRIPLINE	15.54	20	28.6	46.3	0.64 in/h
C3	RAIN BIRD XCZ-100-LC	1"	AREA FOR DRIPLINE	10.38	20	37.9	55.9	0.64 in/h
C4	RAIN BIRD XCZ-150-LCS	1-1/2"	AREA FOR DRIPLINE	32.31	20	30.1	50.6	0.64 in/h
C5	RAIN BIRD XCZ-150-LCS	1-1/2"	AREA FOR DRIPLINE	24.86	20	30.5	51.1	0.64 in/h
C6	RAIN BIRD XCZ-100-LC	1"	AREA FOR DRIPLINE	6.05	20	29.7	50.4	0.64 in/h
C7	RAIN BIRD EFB-CP	1"	BUBBLER	4.5	30	30.9	51.7	5.11 in/h
C8	RAIN BIRD XCZ-100-LC	1"	AREA FOR DRIPLINE	1.34	20	27.0	47.8	0.64 in/h
C9	RAIN BIRD XCZ-150-LCS	1-1/2"	AREA FOR DRIPLINE	26.94	20	28.1	51.8	0.64 in/h
C10	RAIN BIRD XCZ-100-LC	1"	AREA FOR DRIPLINE	9.36	20	34.1	58.0	0.64 in/h
C11	RAIN BIRD XCZ-100-LC	1"	AREA FOR DRIPLINE	11.63	20	39.3	63.3	0.64 in/h
C12	RAIN BIRD EFB-CP	1"	BUBBLER	7.5	30	31.7	55.8	5.11 in/h
C13	RAIN BIRD XCZ-100-LC	1"	AREA FOR DRIPLINE	5.58	20	28.5	52.6	0.65 in/h
C14	RAIN BIRD XCZ-150-LCS	1-1/2"	AREA FOR DRIPLINE	24.81	20	29.7	56.4	0.64 in/h
C15	RAIN BIRD XCZ-100-LC	1"	AREA FOR DRIPLINE	11.85	20	36.3	63.1	0.64 in/h
C16	RAIN BIRD EFB-CP	1"	BUBBLER	6	30	32.5	59.4	5.11 in/h
C18	RAIN BIRD XCZ-100-LC	1"	AREA FOR DRIPLINE	9.36	20	32.4	61.8	0.64 in/h
C19	RAIN BIRD XCZ-150-LCS	1-1/2"	AREA FOR DRIPLINE	20.8	20	30.2	59.4	0.64 in/h
C20	RAIN BIRD XCZ-150-LCS	1-1/2"	AREA FOR DRIPLINE	19.73	20	31.1	60.3	0.64 in/h
C21	RAIN BIRD XCZ-150-LCS	1-1/2"	AREA FOR DRIPLINE	21.74	20	32.4	63.6	0.64 in/h
C22	RAIN BIRD XCZ-150-LCS	1-1/2"	AREA FOR DRIPLINE	18.9	20	29.6	60.8	0.64 in/h
C23	RAIN BIRD XCZ-150-LCS	1-1/2"	AREA FOR DRIPLINE	17.0	20	29.3	60.5	0.64 in/h
C24	RAIN BIRD EFB-CP	1"	BUBBLER	12	30	36.5	67.8	5.11 in/h

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

FOR CITY USE ONLY

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SEE SHEET LI-001 FOR IRRIGATION WATER USE CALCS
SEE SHEET LI-100 FOR IRRIGATION NOTES & LEGEND
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LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5209
SIGNATURE
12-31-26
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STATE OF CALIFORNIA

IRRIGATION NOTES & LEGEND

LI-100

SITE ADDRESS: RIVER PARK
2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

BLD2025-04799

SHEET 28 OF 62

SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

CITY OF ANAHEIM

D-XXX

PLOT DATE: 09/11/2025

ANGEL STADIUM PARKING LOT

POINT OF CONNECTION EQUIPMENT IS SHOWN HERE FOR GRAPHIC CLARITY. SEE ENLARGEMENT BELOW FOR ACTUAL CONDITIONS AND SIZES.

HEADER LOCATION SHOWN DIAGRAMMATICALLY. HEADER TO BE LOCATED AT EDGE OF DRIP ZONES PER DETAIL 5/LI-200

NOTE: EXISTING TREES TO REMAIN, **PROTECT IN PLACE** (TYP).
NO IRRIGATION TO BE INSTALLED UNDER EXISTING DRIPLINE.

ROW IMPROVEMENTS BY SEPARATE PERMIT RCP2016-12348

ORANGEWOOD AVENUE

PROPOSED ORANGEWOOD WIDENING ROW PER RCP2016-12348

EXISTING ROW

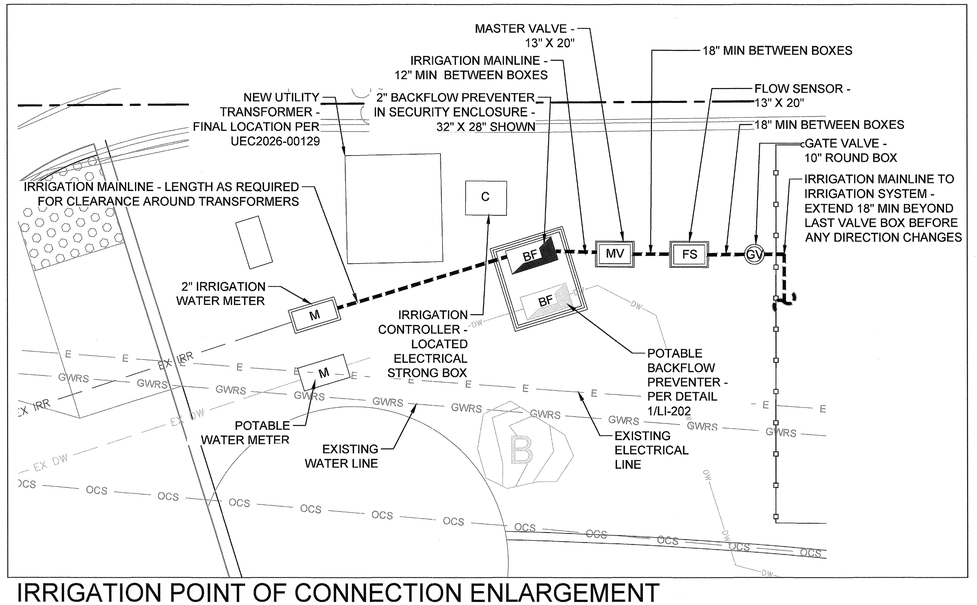
LIMIT OF WORK

C1	C2	C3
1½" 19.1	1½" 15.5	1" 10.4

MAINLINE, COMMUNICATION WIRE, AND VALVES SHOWN HERE FOR GRAPHIC CLARITY - CONTRACTOR TO INSTALL WITHIN PLANTING AREA ADJACENT TO ASPHALT PATH.

SANTA ANA RIVER TRAIL

MATCHLINE - SEE SHEET LI-102



IRRIGATION POINT OF CONNECTION ENLARGEMENT
1" = 3'

NOTE: CONTRACTOR SHALL MARK-OUT IRRIGATION MAINLINE & VALVES PRIOR TO EXCAVATION. CITY OF ANAHEIM, OR REPRESENTATIVE, WILL REVIEW AND APPROVE PER SHEET T-1.1 PARK INSPECTION STAGES. NO EXCAVATION SHALL TAKE PLACE UNTIL APPROVAL IS GIVEN.

LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE

0 5 10 20
SCALE : 1" = 10'-0"

NORTH

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

FOR CITY USE ONLY

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82

LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER

ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

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LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR NO. 5269
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

IRRIGATION PLAN		LI-101
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806		BLD2025-04799
		SHEET 29 OF 62
SCALE: SCALE PER SHEET	DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM		D-XXX

PLOT DATE: 09/11/2025

NOTE: EXISTING TREES TO REMAIN, **PROTECT IN PLACE** (TYP).
NO PLANTING OR IRRIGATION TO BE INSTALLED UNDER EXISTING DRIPLINE.

HEADER LOCATION SHOWN DIAGRAMMATICALLY. HEADER TO BE LOCATED AT EDGE OF DRIP ZONES PER DETAIL 4/LI-200

LIMIT OF WORK

MATCHLINE - SEE SHEET LI-101

MATCHLINE - SEE SHEET LI-103

C4	C5	C6	C7	C8
1½" 32.3	1½" 24.9	1" 6.05	1" 4.5	1" 1.34

MAINLINE, COMMUNICATION WIRE, AND VALVES SHOWN HERE FOR GRAPHIC CLARITY - CONTRACTOR TO INSTALL WITHIN PLANTING AREA ADJACENT TO ASPHALT PATH.

LIMIT OF WORK

SANTA ANA RIVER TRAIL

NOTE: CONTRACTOR SHALL MARK-OUT IRRIGATION MAINLINE & VALVES PRIOR TO EXCAVATION. CITY OF ANAHEIM, OR REPRESENTATIVE, WILL REVIEW AND APPROVE PER SHEET T-1.1 PARK INSPECTION STAGES. NO EXCAVATION SHALL TAKE PLACE UNTIL APPROVAL IS GIVEN.

LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE

0 5 10 20

SCALE : 1" = 10'-0"

NORTH

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

FOR CITY USE ONLY

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SEE SHEET LI-001 FOR IRRIGATION WATER USE CALCS
SEE SHEET LI-100 FOR IRRIGATION NOTES & LEGEND
SEE SHEETS LI-101 - LI-103 FOR IRRIGATION PLANS
SEE SHEETS LI-200 - LI-201 FOR IRRIGATION DETAILS

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.2361462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5209
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

IRRIGATION PLAN	LI-102
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799
	SHEET 30 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM	D-XXX

PLOT DATE: 09/11/2025

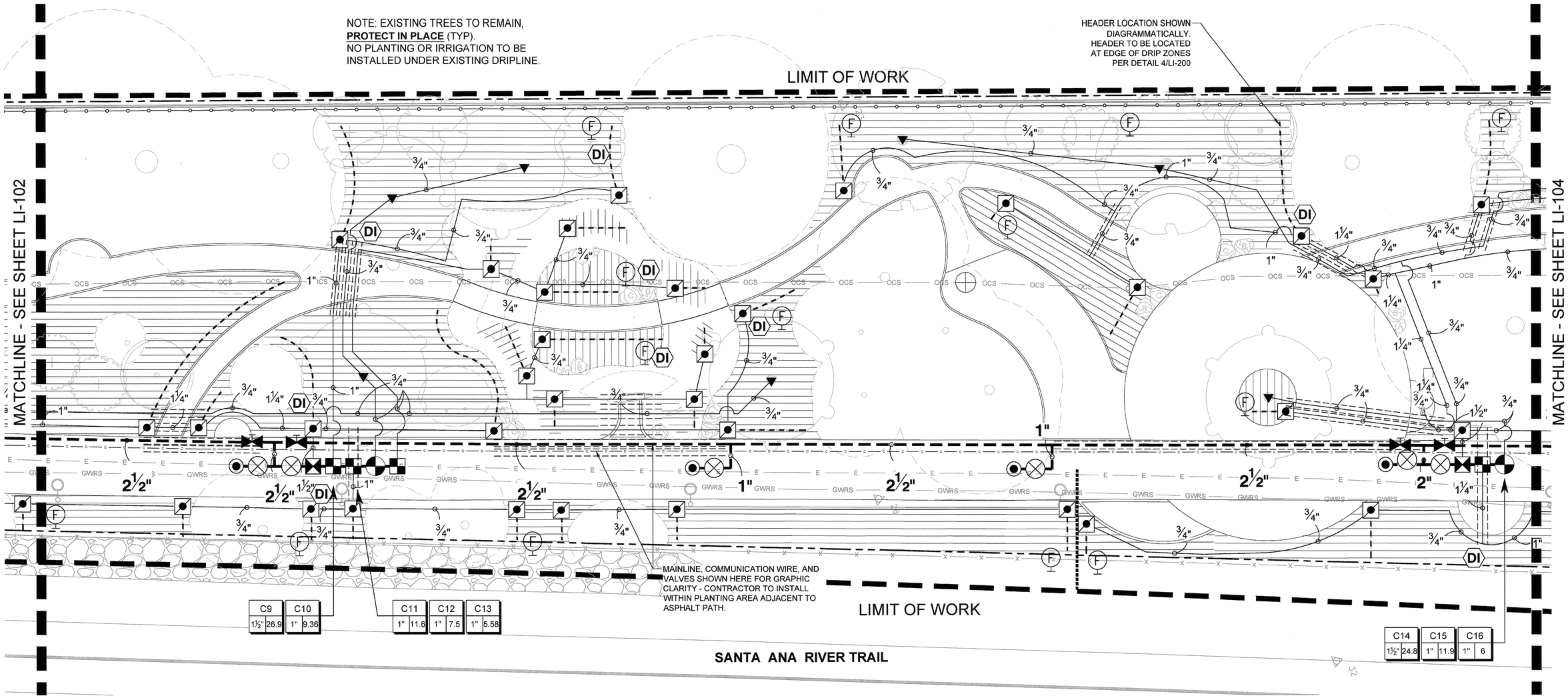
NOTE: EXISTING TREES TO REMAIN, **PROTECT IN PLACE** (TYP). NO PLANTING OR IRRIGATION TO BE INSTALLED UNDER EXISTING DRIPLINE.

HEADER LOCATION SHOWN DIAGRAMMATICALLY. HEADER TO BE LOCATED AT EDGE OF DRIP ZONES PER DETAIL 4/LI-200

LIMIT OF WORK

MATCHLINE - SEE SHEET LI-102

MATCHLINE - SEE SHEET LI-104



C9	C10	C11	C12	C13
1½" 26.9	1" 9.36	1" 11.6	1" 7.5	1" 5.58

C14	C15	C16
1½" 24.8	1" 11.9	1" 6

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LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE

0 5 10 20

SCALE : 1" = 10'-0"

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SIGNATURE
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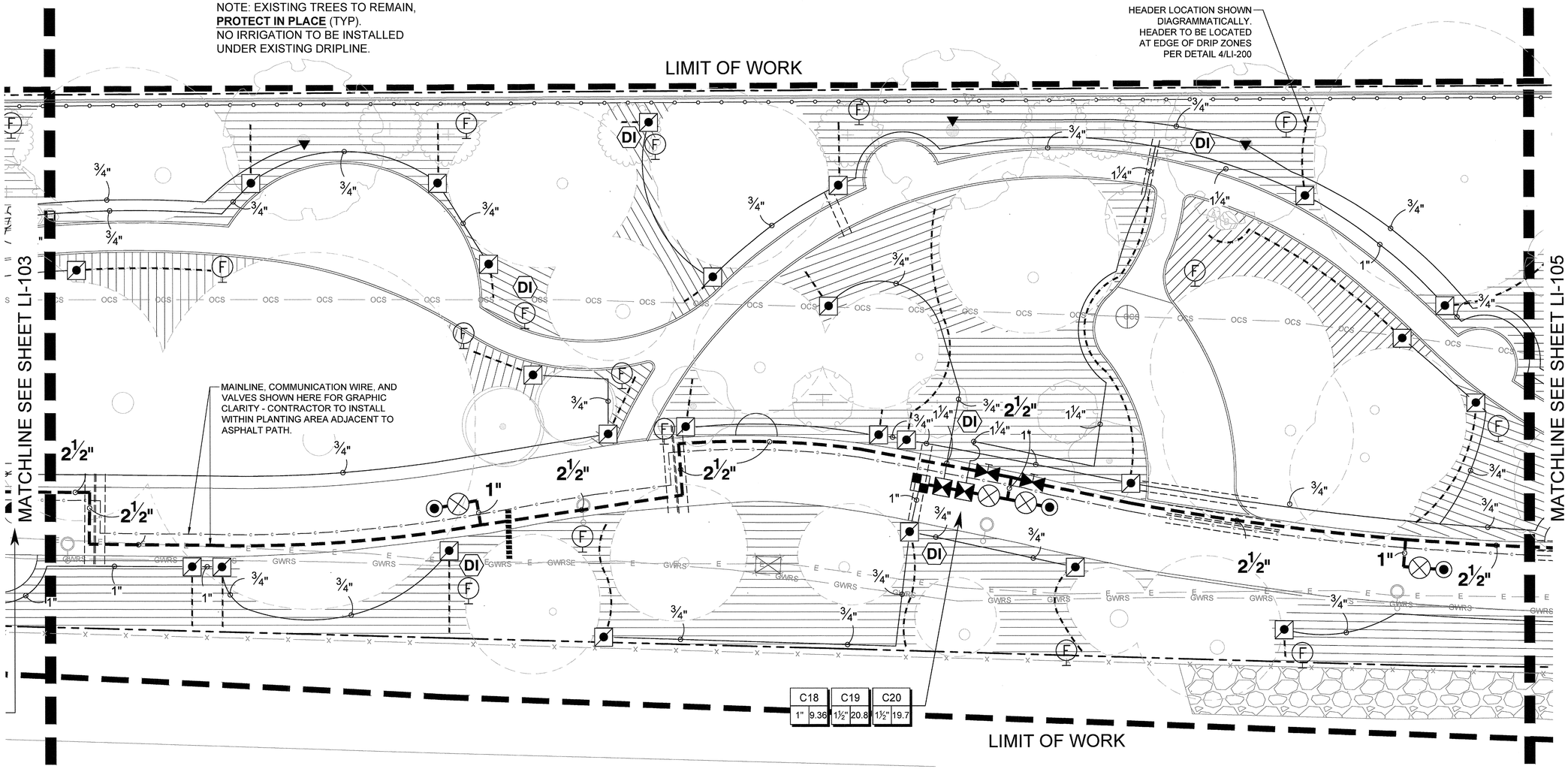
IRRIGATION PLAN	LI-103
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799
	SHEET 31 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM	D-XXX

PLOT DATE: 09/11/2025

NOTE: EXISTING TREES TO REMAIN, **PROTECT IN PLACE** (TYP). NO IRRIGATION TO BE INSTALLED UNDER EXISTING DRIPLINE.

LIMIT OF WORK

HEADER LOCATION SHOWN DIAGRAMMATICALLY. HEADER TO BE LOCATED AT EDGE OF DRIP ZONES PER DETAIL 4/LI-200



C18	C19	C20
1" 9.36	1½" 20.8	1½" 19.7

LIMIT OF WORK

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LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE

0 5 10 20

SCALE : 1" = 10'-0"

NORTH

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REVISIONS

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BENCHMARK = OCS BENCHMARK 1L-53-82
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JEFFREY T. BARRING 5308
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

IRRIGATION PLAN		LI-104
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806		BLD2025-04799
		SHEET 32 OF 62
SCALE: SCALE PER SHEET	DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM		D-XXX

PLOT DATE: 09/11/2025

NOTE: EXISTING TREES TO REMAIN, **PROTECT IN PLACE** (TYP). IRRIGATION TO BE INSTALLED UNDER EXISTING DRIPLINE.

HEADER LOCATION SHOWN DIAGRAMMATICALLY. HEADER TO BE LOCATED AT EDGE OF DRIP ZONES PER DETAIL 4/LI-200

LIMIT OF WORK

MATCHLINE - SEE SHEET LI-102

LIMIT OF WORK

MAINLINE, COMMUNICATION WIRE, AND VALVES SHOWN HERE FOR GRAPHIC CLARITY - CONTRACTOR TO INSTALL WITHIN PLANTING AREA ADJACENT TO ASPHALT PATH.

C21		C22		C23		C24	
1½"	21.7	1½"	18.9	1½"	17.0	1"	12

LIMIT OF WORK

SANTA ANA RIVER TRAIL

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LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE

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SCALE : 1" = 10'-0"

NORTH

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JEFFREY T. BARR No. 5269
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

IRRIGATION PLAN | LI-105

SITE ADDRESS: RIVER PARK
2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

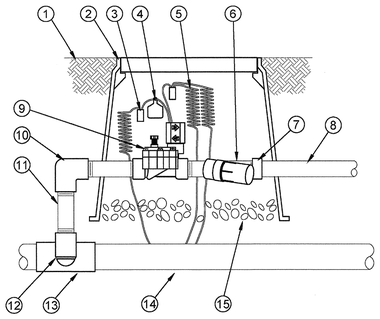
BLD2025-04799

SHEET 33 OF 62

SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

CITY OF ANAHEIM | D-XXX

PLOT DATE: 09/11/2025

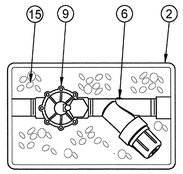


SECTION

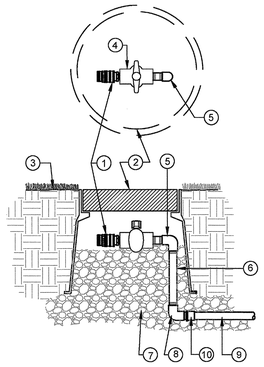
LEGEND:

1. FINISH GRADE
2. VALVE BOX WITH COVER AS SPECIFIED IN THE IRRIGATION NOTES
3. WATERPROOF CONNECTION, TYPICAL
4. VALVE ID TAG
5. 30-INCH LINEAR LENGTH OF WIRE, COILED
6. PRESSURE REGULATING FILTER PER MANUFACTURER'S RECOMMENDATIONS
7. PVC SCH 40 FEMALE ADAPTOR
8. LATERAL PIPE
9. REMOTE CONTROL VALVE PER IRRIGATION LEGEND
10. PVC SCH 40 ELL
11. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
12. PVC SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND PVC SCH 40 ELL)
13. PVC SCH 40 TEE OR ELL
14. PVC MAINLINE
15. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

NOTE:
1. FOR RECYCLE WATER SYSTEM PROVIDE 'PURPLE' PVC, VALVE BOX AND TAG.



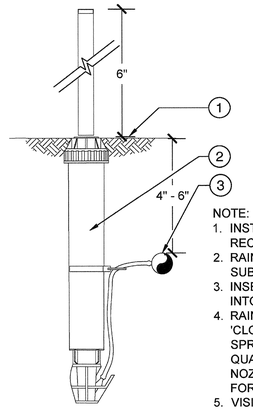
PLAN



LEGEND

1. BRASS QUICK DISCONNECT
2. 10" ROUND VALVE BOX. BRAND 'FLUSH' ON LID.
3. FINISH GRADE
4. PVC BALL VALVE (FIP X FIP)
5. MIP X FIP SCH. 40 PVC ELL
6. SCH 40 PVC PIPE LENGTH AS REQUIRED
7. 3/4" CRUSHED GRAVEL SUMP (1 CU. FT.)
8. FIP X FIP SCH. 40 PVC ELL
9. PVC LATERAL LINE PIPE
10. SLIP X MIPT SCH. 40 PVC FITTING

NOTE: WHEN FLUSHING THE SYSTEM, CONNECT HOSE TO BRASS QUICK DISCONNECT AND DIRECT TO NEAREST DRAIN INLET.

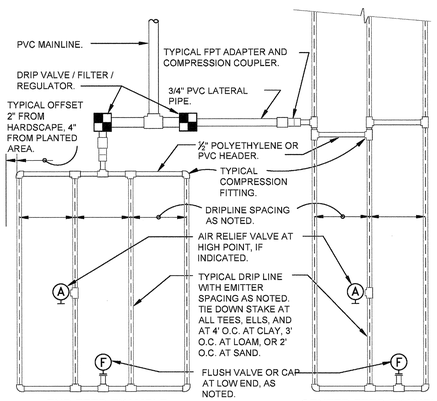


1. FINISH GRADE
2. DRIP OPERATION INDICATOR; RAIN BIRD OPERIND OR APPROVED EQUAL
3. SUB-SURFACE DRIP:SUCH AS OR EQUAL PER PLAN: RAIN BIRD XF SERIES SUB-SURFACE DRIP LINE-POTABLE: XFS DRIP LINE, OR NON-POTABLE: XFSP DRIP LINE OR APPROVED EQUAL

NOTE:
1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS
2. RAIN BIRD MODLE: OPERIND FOR XFS SUB-SURFACE DRIP LINE OR EQUAL
3. INSERT BARB TRANSFER FITTING DIRECTLY INTO DRIP LINE TUBING
4. RAIN BIRD VAN NOZZLE MAY BE SET TO 'CLOSE', OR (IF IT IS DESIRED TO SEE SPRAY FROM NOZZLE) SET THE ARC TO QUARTER PATTERN. THE FLOW FROM THE NOZZLE, 0.3 GPM, SHOULD BE ACCOUNTED FOR IN THE SYSTEM DESIGN.
5. VISIBILITY: STEM EXTENDS WHEN DRIP SYSTEM IS CHARGED WITH 20 PSI MINIMUM

1 TYPICAL DRIP CONTROL VALVE KIT

NO SCALE



END FEED EXAMPLE CENTER FEED EXAMPLE

FOR RW SYSTEM; PROVIDE 'PURPLE' LINE AND TAGS, TYPICAL

MAXIMUM LATERAL LENGTH (FEET)						
	EMITTER FLOW RATE GPH					
	12" SPACING		18" SPACING		24" SPACING	
PSI	0.6	0.9	0.6	0.9	0.6	0.9
10	125	96	175	135	218	171
20	249	191	350	171	442	340
30	307	236	434	333	550	422
40	350	268	495	380	627	171
50	125	96	175	135	218	171
60	125	96	175	135	218	171

GRID PRECIPITATION RATES (IN/HR)			
		EMITTER FLOW RATE	
EMITTER SPACING	LATERAL SPACING	0.6	0.9
12	12	0.96	1.44
18	18	0.69	1.03
24	24	0.28	0.41

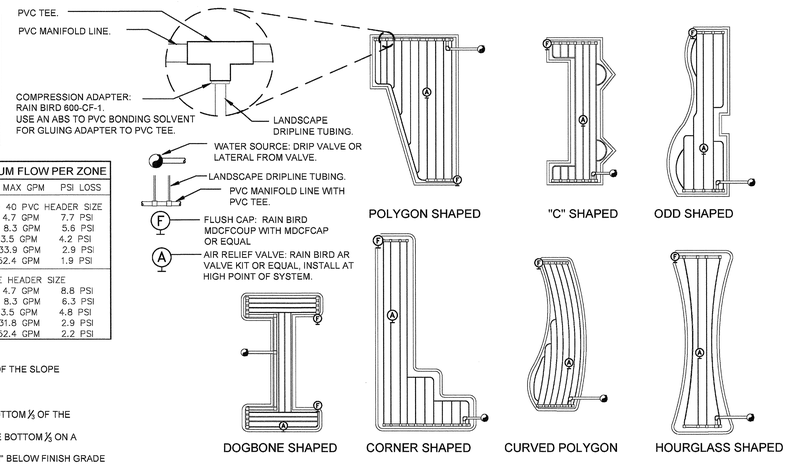
LATERAL FLOW PER 100 FT (GPM)			
EMITTER FLOW	12" SPACING	18" SPACING	24" SPACING
0.6 GPH	1.0 GPM	0.67 GPM	0.50 GPM
0.9 GPH	1.5 GPM	1.0 GPM	0.75 GPM

MAXIMUM FLOW PER ZONE		
	MAX GPM	PSI LOSS
SCHEDULE 40 PVC HEADER SIZE		
1/2"	4.7 GPM	7.7 PSI
3/4"	8.3 GPM	5.6 PSI
1"	13.5 GPM	4.2 PSI
1-1/2"	33.9 GPM	2.9 PSI
2"	52.4 GPM	1.9 PSI
POLY PIPE HEADER SIZE		
1/2"	4.7 GPM	8.8 PSI
3/4"	8.3 GPM	6.3 PSI
1"	13.5 GPM	4.8 PSI
1-1/2"	31.8 GPM	2.9 PSI
2"	52.4 GPM	2.2 PSI

SLOPED CONDITION NOTE:
1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE WHENEVER POSSIBLE.
2. INSTALL AIR RELIEF VALVE AT HIGHEST POINT.
3. NORMAL SPACING WITHIN THE TOP ⅓ OF SLOPE,
4. INSTALL DRIPLINE AT 25% GREATER SPACING AT THE BOTTOM ⅓ OF THE SLOPE.
5. WHEN ELEVATION CHANGE IS 10 FT OR MORE, ZONE THE BOTTOM ⅓ ON A SEPARATE VALVE.
6. BURRY HEADERS AND PVC PIPE - 12" AND DRIP TUBING 1" BELOW FINISH GRADE

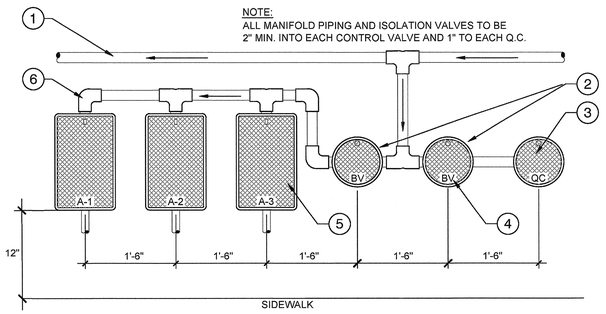
2 FLUSH VALVE ASSEMBLY

NTS



3 SUB-SURFACE DRIP INDICATOR

NO SCALE



1. PRESSURE SUPPLY LINE (SEE PLAN FOR SIZE)
2. BALL VALVES (SEE IRRIGATION LEGEND)
3. QUICK COUPLER (SEE IRRIGATION LEGEND)
4. HEAT BRAND ALL VALVES
5. ELECTRIC CONTROL VALVE
6. MANIFOLD PIPE-SAME SIZE AS PRESSURE SUPPLY LINE LOCATED UNDERNEATH VALVE BOXES. ALL MAINLINE FITTINGS TO BE SCH. 80 PVC

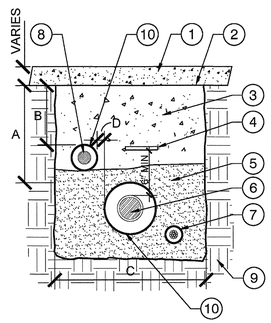
NOTE: EACH MANIFOLD SHALL HAVE A MAXIMUM OF 15' SEPARATION. ALL MANIFOLDS ARE TO BE INSTALLED IN PLANTER AREAS WHENEVER POSSIBLE.

4 TYPICAL DRIPLINE REQUIREMENTS-RAINBIRD

NO SCALE

5 MANIFOLD CONFIGURATION

No Scale



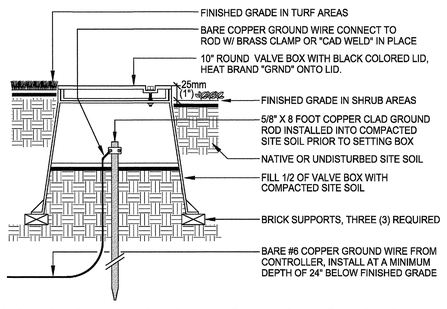
1. PAVING PER PLAN
2. FINISHED GRADE
3. CLEAN COMPACTED BACKFILL
4. MARKING STRIP
5. SAND BEDDING MATERIAL
6. IRRIGATION MAINLINE PER PLAN
7. DIRECT BURIAL CONTROL WIRES
8. LATERAL LINES PER PLAN
9. UNDISTURBED SOIL
10. SCH. 40 PVC SLEEVE 2x PIPE SIZE DIAMETER MIN. (EXTEND 12" MIN. BEYOND PAVING)

NOTE:
1. ALL PIPE AND CONTROL WIRE UNDER PAVEMENT SHALL BE INSTALLED IN A P.V.C. SLEEVE, 2X THE DIA. OF PIPE OR BUNDLE MIN.
2. BACKFILL MATERIAL SHALL BE COMPACTED PER SOILS REPORT.
3. PRESSURE MAINLINE SHALL BE INSTALLED ON A 6" SAND BED AND COVERED BY 6" OF SAND PRIOR TO ANY OTHER BACKFILL MATERIAL.

DIMENSION - PED.	A	B	C	D
2" - 12" SIZE	30"	24"	24"	6"
DIM - VEHICULAR				
2 - 12" SIZE	36"	30"	30"	6"

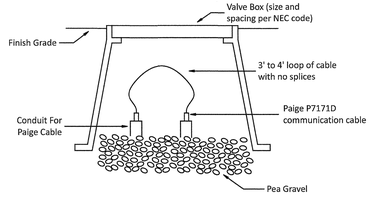
6 GROUNDING ROD / LIGHTING PROTECTION

NO SCALE



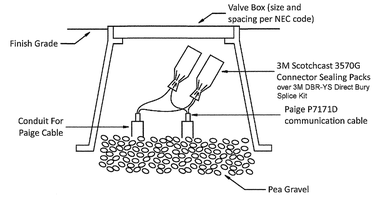
7 PULL BOX

NO SCALE



8 WIRE SPLICE

NO SCALE



NOTE: IF WIRE SPLICES ARE UNAVOIDABLE, SPLICES MUST BE COMPLETELY INSULATED FROM SOIL AND MOISTURE USING 3M SCOTCHCAST 3570G CONNECTOR SEALING PACKS OR SPEARS DS-100 DRI-SPLICE CONNECTORS WITH DS-300 DRI-SPLICE SEALANT.

9 SLEEVING UNDER PAVEMENT

1" = 1'-0"

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

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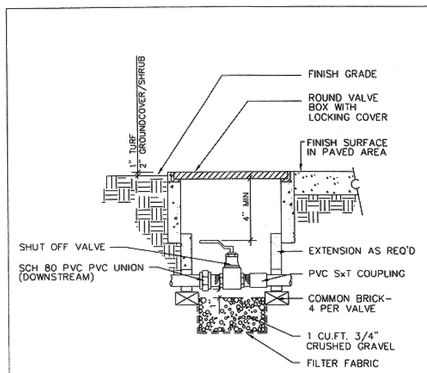
SEE SHEET LI-001 FOR IRRIGATION WATER USE CALCS
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STATE OF CALIFORNIA

IRRIGATION DETAILS	LI-200
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799
	SHEET 34 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM	D-XXX

PLOT DATE: 09/11/2025



NOTES:

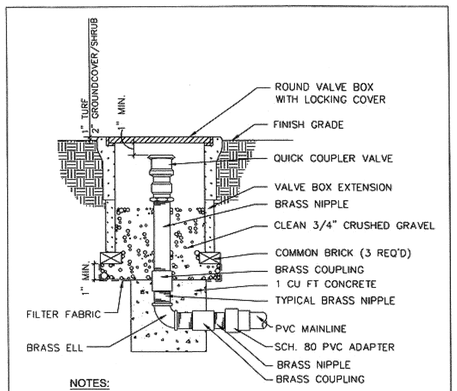
1. AREA AROUND VALVE BOX CAN EITHER BE PLANTED, HARDSURFACE, OR COMBINATION.
2. CLOSE NIPPLES SHALL NOT BE USED.
3. ALL PIPE FITTINGS SHALL BE PVC SCH 80 UNLESS OTHERWISE NOTED.
4. VALVE BOX SHALL BE ONE OF THE FOLLOWING CASES AS SPECIFIED ON PLANS:
   CASE 1 - CONCRETE BOX WITH LOCKING CAST IRON COVER.
   CASE 2 - PLASTIC BOX WITH LOCKING PLASTIC COVER.
5. CRUSHED ROCK SHALL COVER VALVE BOX PIPE OPENINGS TO PREVENT SOIL ENTRY.

REC'D	DEPUTY CITY ENGINEER	DATE	APP	DPW / CITY ENGINEER	DATE	REVISED	BY
8/12/03			8-29-03				

CITY OF ANAHEIM DEPARTMENT OF PUBLIC WORKS

SHUT OFF VALVE — STANDARD DETAIL NO. 503 — SHEET 1 OF 1

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION



NOTES:

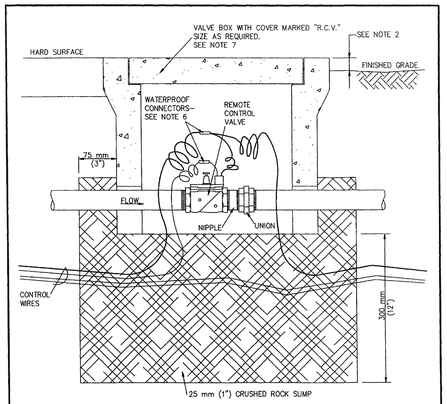
1. AREA AROUND BOX CAN EITHER BE PLANTED, HARDSURFACE, OR A COMBINATION.
2. CLOSE NIPPLES SHALL NOT BE USED.
3. CRUSHED ROCK SHALL COVER VALVE BOX PIPE OPENINGS TO PREVENT SOIL ENTRY.
4. VALVE BOX SHALL BE ONE OF THE FOLLOWING CASES AS SPECIFIED ON PLANS:
   CASE 1 - CONCRETE BOX WITH CAST IRON LOCKING COVER.
   CASE 2 - PLASTIC BOX WITH LOCKING PLASTIC COVER.

REC'D	DEPUTY CITY ENGINEER	DATE	APP	DPW / CITY ENGINEER	DATE	REVISED	BY
8/12/03			8-29-03				

CITY OF ANAHEIM DEPARTMENT OF PUBLIC WORKS

QUICK COUPLER VALVE BELOW GRADE — STANDARD DETAIL NO. 504 — SHEET 1 OF 1

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION



NOTES:

1. AREA AROUND BOX MAY EITHER BE PLANTED, HARD SURFACE, OR A COMBINATION OF BOTH.
2. TOP OF BOX:
   AT GRADE FOR HARD SURFACE
   12 mm (1/2") ABOVE GRADE FOR LAWN
   25 mm (1") ABOVE GRADE FOR GROUND COVER OR SHRUBS
3. CLOSE NIPPLES SHALL NOT BE USED.
4. CRUSHED ROCK SHALL COVER VALVE BOX PIPE OPENINGS TO PREVENT SOIL ENTRY.
5. PIPE AND FITINGS SHALL BE SCHEDULE 80 PVC.
6. WATERPROOF CONNECTORS SHALL BE SUBJECT TO ENGINEER'S APPROVAL.
7. VALVE BOX SHALL BE AS SPECIFIED, EITHER:
   CASE 1-CONCRETE BOX w/ CONCRETE COVER
   CASE 2-CONCRETE BOX w/ LOCKING CAST IRON COVER
   CASE 3-PLASTIC BOX w/ LOCKING PLASTIC COVER
8. PROVIDE 600 mm (24") EXPANSION LOOP FOR EACH CONTROL WIRE IN BOX.

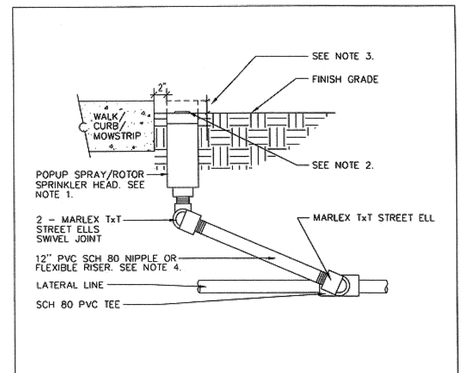
SYMBOL ON PLAN

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE PUBLIC WORKS STANDARDS INC. GREENBOOK COMMITTEE
1993
REV. 1996, 2005

REMOTE CONTROL VALVE — STANDARD PLAN METRIC 506-2 — SHEET 1 OF 1

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION



NOTES

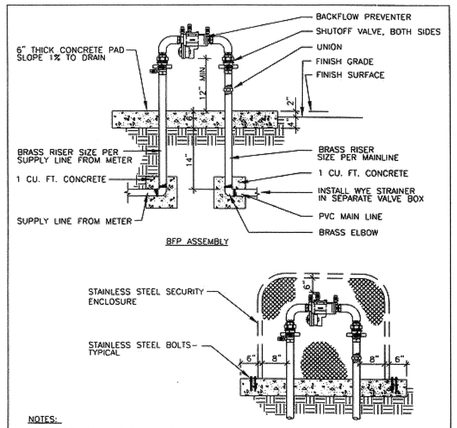
1. ALL TURF AREA POPUP SPRAY/ROTOR HEADS SHALL BE 6" POPUPS AND ALL SHRUB AREA POPUP SPRAY/ROTOR HEADS SHALL BE 12" POPUPS.
2. INSTALL POPUP SPRAY/ROTOR HEADS FLUSH WITH FINISHED GRADE IN TURF AREAS.
3. INSTALL POPUP SPRAY/ROTOR HEADS 2" ABOVE FINISHED GRADE IN SHRUB AREAS.
4. THE MAKE AND MANUFACTURER OF FLEXIBLE RISERS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PURCHASE. UNLESS OTHERWISE SPECIFIED ON THE PLANS, USE OF FLEXIBLE RISER OR THE SWING JOINT IS OPTIONAL.
5. ALL PIPE AND FITTINGS WITH EXCEPTION TO LATERAL LINE AND MARLEX STREET ELLS FOR SWING JOINT SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE SPECIFIED.

REC'D	DEPUTY CITY ENGINEER	DATE	APP	DPW / CITY ENGINEER	DATE	REVISED	BY
8/12/03			8-29-03				

CITY OF ANAHEIM DEPARTMENT OF PUBLIC WORKS

IRRIGATION SPRINKLER HEAD — STANDARD DETAIL NO. 509 — SHEET 1 OF 1

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION



NOTES:

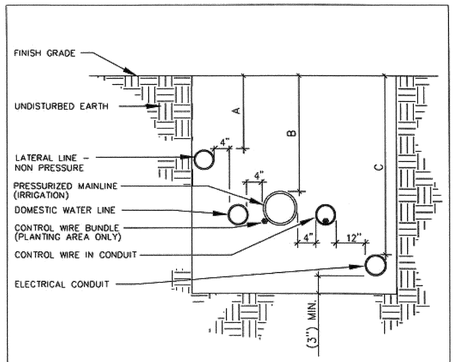
1. ALL FITTINGS, UNIONS AND RISERS TO BE RED BRASS.
2. P.C.C. PAD SIZE SHALL BE SUFFICIENT TO ACCOMMODATE BACKFLOW PREVENTER ENCLOSURE.
3. CONCRETE SHALL BE 310-C-17 (520-C-2500)
4. THE BACKFLOW PREVENTER DEVICES AND INSTALLATIONS SHALL BE APPROVED BY THE LOCAL DEPARTMENT OF HEALTH SERVICES AND WATER AGENCY.
5. VALVE ASSEMBLIES MAY HAVE SCREWED FITTINGS OR FLANGED FITTINGS.
6. APPROVED TEFLON TAPE, 12mm (1/2") WIDE, SHALL BE USED ON ALL THREADED CONNECTIONS.
7. DISSIMILAR METALS SHALL BE SEPARATED BY AN APPROVED DIELECTRIC COUPLING.
8. PLASTIC PIPE SHALL NOT BE USED ABOVE FINISHED GRADE.

REC'D	DEPUTY CITY ENGINEER	DATE	APP	DPW / CITY ENGINEER	DATE	REVISED	BY
8/12/03			8-29-03				

CITY OF ANAHEIM DEPARTMENT OF PUBLIC WORKS

BACKFLOW PREVENTER ASSEMBLY SIZE 2" OR SMALLER W/ ENCLOSURE — STANDARD DETAIL NO. 512 — SHEET 1 OF 2

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION



REQUIRED TRENCHING DEPTHS

DIMENSION	ROADWAY DEPTH	PAVEMENT DEPTH (NON-ROADWAY)	PLANTING AREA DEPTH	BORING DEPTH
A	32"	12"	12"	32"
B	36"	18"	18"	36"
C	DEPTH PER ELECTRICAL CODE			

NOTE:

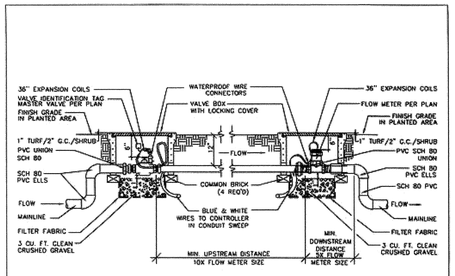
1. PROVIDE (3") OF CLEAN BACKFILL UNDER ALL PIPE.
2. ALL PIPES AND CONTROL WIRE UNDER ROADWAY AND PAVEMENT SHALL BE SLEEVED. PIPE SLEEVES SHALL BE SCH 40 PVC AND TWICE LINE SIZE FOR WATER LINES AND CONTROL WIRE CONDUIT SHALL BE GRAY SCH 40 AND SIZED SUFFICIENTLY ACCORDING TO NUMBER OF CONTROL WIRES.

REC'D	DEPUTY CITY ENGINEER	DATE	APP	DPW / CITY ENGINEER	DATE	REVISED	BY
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CITY OF ANAHEIM DEPARTMENT OF PUBLIC WORKS

TRENCHING DEPTHS FOR MAINLINE, LATERAL LINES AND CONDUITS — STANDARD DETAIL NO. 525 — SHEET 1 OF 1

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION



NOTES:

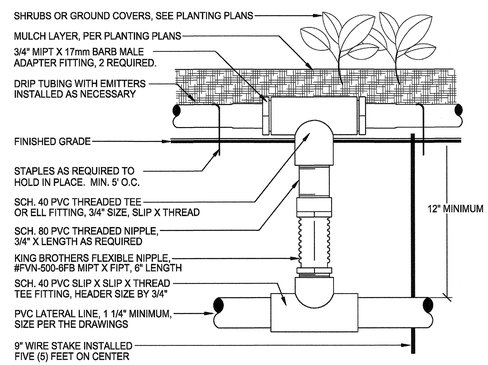
1. AREA AROUND VALVE BOX CAN EITHER BE PLANTED, HARDSURFACE, OR COMBINATION.
2. CLOSE NIPPLES SHALL NOT BE USED.
3. PROVIDE TWO FOOT EXPANSION LOOP AT EACH WIRE CONNECTION IN VALVE BOX AND COIL WIRES.
4. ALL PIPE FITTINGS SHALL BE PVC SCH 80 UNLESS OTHERWISE NOTED.
5. VALVE BOX SHALL BE ONE OF THE FOLLOWING CASES AS SPECIFIED ON PLANS:
   CASE 1 - CONCRETE BOX WITH LOCKING CAST IRON COVER.
   CASE 2 - PLASTIC BOX WITH LOCKING PLASTIC COVER.
6. CRUSHED ROCK SHALL COVER VALVE BOX PIPE OPENINGS TO PREVENT SOIL ENTRY.

REC'D	DEPUTY CITY ENGINEER	DATE	APP	DPW / CITY ENGINEER	DATE	REVISED	BY
8/12/03			9-29-03				

CITY OF ANAHEIM DEPARTMENT OF PUBLIC WORKS

REMOTE CONTROL MASTER VALVE AND FLOW METER — STANDARD DETAIL NO. 526 — SHEET 1 OF 1

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION



1 **DRIP TUBING CONNECTION**

NO SCALE

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82

LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER

ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SEE SHEET LI-001 FOR IRRIGATION WATER USE CALCS
SEE SHEET LI-100 FOR IRRIGATION NOTES & LEGEND
SEE SHEETS LI-101 - LI-103 FOR IRRIGATION PLANS
SEE SHEETS LI-200 - LI-202 FOR IRRIGATION DETAILS

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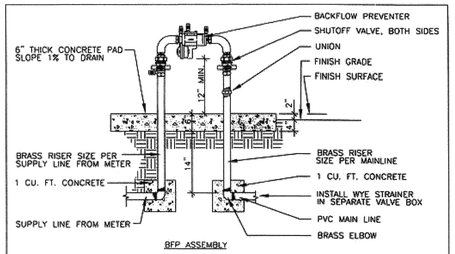
LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR NO. 5219
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

IRRIGATION DETAILS	LI-201
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799
	SHEET 35 OF 62
SCALE: SCALE PER SHEET	DRAWN BY: JB, AB
CITY OF ANAHEIM	D-XXX

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

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PLOT DATE: 09/11/2025



BFP ASSEMBLY



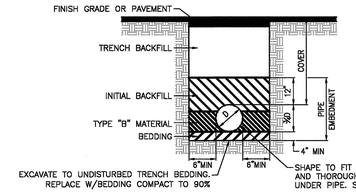
BFP ENCLOSURE

NOTES:

1. ALL FITTINGS, UNIONS AND RISERS TO BE RED BRASS.
2. P.C.C. PAD SIZE SHALL BE SUFFICIENT TO ACCOMMODATE BACKFLOW PREVENTER ENCLOSURE.
3. CONCRETE SHALL BE 310-C-17 (520-C-2500)
4. THE BACKFLOW PREVENTER DEVICES AND INSTALLATIONS SHALL BE APPROVED BY THE LOCAL DEPARTMENT OF HEALTH SERVICES AND WATER AGENCY.
5. VALVE ASSEMBLIES MAY HAVE SCREWED FITTINGS OR FLANGED FITTINGS.
6. APPROVED TEFLON TAPE, 12mm (1/2") WIDE, SHALL BE USED ON ALL THREADED CONNECTIONS.
7. DISSIMILAR METALS SHALL BE SEPARATED BY AN APPROVED DIELECTRIC COUPLING.
8. PLASTIC PIPE SHALL NOT BE USED ABOVE FINISHED GRADE.

1 POTABLE WATER BACKFLOW ASSEMBLY

NO SCALE



PIPE
FOR GRAVITY FLOW SAN. SEWERS AND DRAINAGE PVC CONFORMING TO ASTM D-3034 MAXIMUM SDR 35, GASKETED JOINTS FOR 4" TO 15" DIA PIPE AND ASTM F-679 FOR 18" DIA AND LARGER.

BEDDING
COARSE CLEAN SAND

INITIAL BACKFILL
NATIVE MATERIAL-MAXIMUM SIZE NOT TO EXCEED 1 1/2"

TRENCH BACKFILL
NATIVE MATERIAL-90% COMPACTION MIN UP TO CLASS IV SOILS, TYPE ML, CL, FINE GRAINED, LL<50, MEDIUM TO NO PLASTICITY. NOTE, IF CLASS IV SOIL TYPE MH OR ALL CLASS V SOILS THEN USE CLEAN COURSE SAND. SUBGRADE AND AGGREGATE BASE SECTION COMPACTIONS ABOVE THE UTILITY TRENCH SHALL MATCH THE MINIMUM COMPACTIONS FOR PAVEMENT SECTION ADJACENT TO THE UTILITY TRENCH.

CLEAN COARSE SAND
SHALL CONFORM TO THE REQUIREMENTS OF SAND FOR PORTLAND CEMENT CONCRETE AS SPECIFIED IN SECTION 200-1.5.5 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.

TYPE "B" MATERIAL
SHALL BE ONE OF THE FOLLOWING:

1. NATIVE FREE DRAINING MATERIAL OR CRUSHED ROCK CONFORMING TO SUBSECTION 200-1.2 OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" WITH 1/2" MAXIMUM ROCK GRADATION.
2. CLEAN COURSE SAND

NOTES:

1. EXCAVATE FOR BELLS OR HUBS SO FULL LOAD IS CARRIED BY PIPE BARRELS.
2. TYPE"B" MATERIAL SHALL BE PLACED IN A MANNER SUCH AS SLICING SHOVEL-SPADING, OR SHOVEL RODDING TO INSURE COMPLETE FILLING OF THE "HAUNCH AREAS" BELOW THE PIPE. (JETTING OF TYPE "B" MATERIAL IS NOT AUTHORIZED UNLESS PREVIOUSLY APPROVED).

2 PIPE BEDDING

NO SCALE

RIVER PARK 100% CONSTRUCTION DOCUMENTS
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PLANS APPROVED AS NOTED ON THIS SHEET MAY NOT BE CHANGED OR MODIFIED WITHOUT WRITTEN APPROVAL FROM THE CITY ENGINEER. ALL PLANS SHALL BE IN CONFORMANCE WITH APPLICABLE REQUIREMENTS OF THE CITY OF ANAHEIM MUNICIPAL CODE. APPROVAL OF PLANS DOES NOT AUTHORIZE THE VIOLATION OF ANY LAW. ANY PROVISIONS WHICH ARE CONTRARY TO OR IN CONFLICT WITH ANY LAW ARE NOT APPROVED UNLESS SPECIFICALLY AUTHORIZED. APPROVED 09/11/2025

REVISIONS					
NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

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SEE SHEET LI-001 FOR IRRIGATION WATER USE CALCS
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LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5219
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

IRRIGATION DETAILS	LI-202
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799
	SHEET 36 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM	D-XXX

PLOT DATE: 09/11/2025

PLANTING NOTES:

1. CONTRACTOR SHALL REVIEW PLANTING SPECIFICATIONS BEFORE BEGINNING WORK.
2. CONTRACTOR SHALL REVIEW PLANTING INSTALLATION DETAILS PRIOR TO BEGINNING WORK.
3. CONTRACTOR SHALL VISIT SITE AND BECOME FAMILIAR WITH CONDITIONS UNDER WHICH WORK SHALL BE DONE PRIOR TO BIDDING.
4. ALL WORK WILL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF ANAHEIM AND THE TECHNICAL SPECIFICATIONS FOR THE PROJECT.
5. CONTRACTOR SHALL NOTIFY CITY ENGINEER OF ANY DISCREPANCIES IN THE EXISTING CONDITIONS OR WITHIN THE PLANS PRIOR TO BEGINNING WORK.
6. FINISHED GRADES SHALL BE SMOOTHED TO ELIMINATE PUDDLING OR STANDING WATER. CONTRACTOR SHALL MAINTAIN A MINIMUM 2% DRAINAGE AWAY FROM BUILDINGS AND PAVING INTO DRAINAGE STRUCTURES OR TO STREET (SEE ENGINEERS GRADING AND DRAINAGE PLAN). CONTRACTOR SHALL NOTIFY RESIDENT ENGINEER IMMEDIATELY OF ANY CONFLICTS IN MAINTAINING DRAINAGE.
7. CITY ENGINEER SHALL APPROVE ALL FINISH GRADING PRIOR TO PLACEMENT OF ANY PLANT MATERIAL.
8. CONTRACTOR SHALL NOTIFY CITY ENGINEER FOR OBSERVATION AT THE FOLLOWING TIMES:
   --MAINLINE - PRIOR TO BACKFILL AND PRESSURE TEST
   --LATERAL LINES - PRIOR TO BACKFILL
   --CONTROL WIRES - PRIOR TO BACKFILL
   --TREE LOCATIONS - PRIOR TO PLANTING
   --IRRIGATION COVERAGE - PRIOR TO PLANT PLACEMENT
   --PLANT APPROVAL AND SPOTTING PRIOR TO PLANTING
   --PRE-MAINTENANCE APPROVAL
   --POST-MAINTENANCE/FINAL APPROVAL.
9. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY REPAIRS MADE NECESSARY THROUGH THE ACTIONS OR NEGLIGENCE OF HIS CREW.
10. SOIL AMENDMENTS SPECIFIED ARE FOR BIDDING PURPOSES ONLY. ACTUAL TYPES AND QUANTITIES WILL BE BASED ON SOIL ANALYSIS PROVIDED BY CONTRACTOR. AFTER ROUGH GRADING, SOIL SAMPLES SHALL BE TAKEN FROM ENOUGH LOCATIONS IN DIFFERENT AREAS OF THE SITE TO REPRESENT AN ADEQUATE CROSS SECTION OF CONDITIONS. TEST SHALL INCLUDE TESTS FOR SOIL FERTILITY, AGRICULTURAL SUITABILITY ORGANIC CONTENT N, P, K; PH; EC; SOIL TEXTURE; AND RECOMMENDATIONS FOR AMENDMENTS, LEACHING, AND MAINTENANCE FERTILIZATION. CONTRACTOR SHALL FURNISH RESIDENT ENGINEER WITH A COPY OF TEST RESULTS AND RECEIVE WRITTEN APPROVAL FOR AMENDMENTS/SOIL PREPARATION PRIOR TO INSTALLATION.

    BID MIX FOR SHRUB AREAS:
    SOIL AMENDMENTS BID MIX SHALL BE THE FOLLOWING PER 1000 SQUARE FEET:
    - 4 CU. YDS. NITROGEN STABILIZED ORGANIC AMENDMENT 'KELLOG NITRO MULCH'
    - 20 LBS. GRO-POWER PLUS
    - 100 LBS. GYPSUM

    "SOIL PREP" TO BE MIXED INTO THE TOP 6" OF SOIL THROUGHOUT THE SITE EXCEPT ON SLOPES GREATER THAN 3:1.

    BID MIX FOR SHRUB AND TREE BACKFILL:
    PLANTING AND BACKFILL MIX FOR PLANT PITS AND TABLETS SHALL BE AS FOLLOWS PER CUBIC YARD:
    - 70% OF NATIVE SOIL
    - 30% NITROGEN STABILIZED ORGANIC AMENDMENT
    - 16 LBS GRO-POWER PLUS
    - 2 LBS. FERROUS SULFATE
    THOROUGHLY BLEND THE ABOVE AT A CENTRAL ON-SITE LOCATION PRIOR TO USE. THE FERROUS SULFATE SHOULD NOT CONTACT PAVING SURFACES AS STAINING WILL RESULT.

11. SHRUB AND GROUNDCOVER MASS QUANTITIES ARE SHOWN ON PLANS. UNDERPLANT NEW TREES WITH THE ADJACENT SHRUB AND/ OR GROUNDCOVER AS INDICATED BY THE PLANS. PLANTS SHALL BE INSTALLED WITH TRIANGULAR SPACING. PLANT GROUNDCOVERS TO WITHIN 12" OF TREE OR SHRUB STEMS.
12. PLANT SYMBOLS TAKE PRECEDENCE OVER PLANT QUANTITIES SPECIFIED. WHERE SHRUB SYMBOLS ARE MASSED, CONTRACTOR SHALL MAINTAIN A CONSISTENT ON CENTER , TRIANGULAR SPACING AS SPECIFIED IN LEGEND. CONTRACTOR SHALL VERIFY PLANT TOTALS FOR BID PURPOSES.
13. ALL ROCKS AND DEBRIS TWO INCH (2") AND LARGER SHALL BE REMOVED FROM PLANTING AREAS AND THEN FROM THE SITE TO A LEGAL SITE OF DISPOSAL. WHERE THE GRASS IS TO BE LOCATED, ALL ROCKS AND DEBRIS ONE INCH (1") AND LARGER SHALL BE REMOVED FROM THE SITE TO A LEGAL SITE OF DISPOSAL.
14. PRIOR TO BEGINNING THE PLANTING OPERATION, IRRIGATE ALL PLANTING AREAS NORMALLY FOR TWO WEEKS TO GERMINATE WEEDS. APPLY CONTACT HERBICIDE TO WEEDS ONLY PER MANUFACTURER, MONSANTO "ROUND-UP" OR EQUAL. REPEAT PROCESS IF WEEDS PERSIST.
15. PERCOLATION TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE LANDSCAPE SPECIFICATIONS.
16. PRIOR TO PLANTING, IRRIGATION SYSTEM SHALL BE FULLY OPERATIONAL AND ALL PLANTING AREAS SHALL BE THOROUGHLY WATERED.
17. PLANT MATERIAL MAY BE REJECTED AT ANY TIME BY CITY ENGINEER DUE TO CONDITION, FORM OR DAMAGE BEFORE OR AFTER PLANTING.
18. ROOT BARRIERS SHALL BE PROVIDED FOR ALL NEW TREES WITHIN 10' OR LESS OF HARDSCAPE. ROOT BARRIER SHALL BE INSTALLED PARALLEL TO HARDSCAPE SURFACE OR AS INDICATED ON PLAN. ROOT BARRIER TO BE MANUFACTURED BY "DEEPROOT" OR "BIO-BARRIER" OR EQUIVALENT.
19. PLANTING TABLETS SHALL BE GRO-POWER PLANTING TABLETS 12-8-8 (12 MONTH SLOW RELEASE FORMULATION).
20. 1 GALLON GROUND COVER MATERIALS SHALL BE PLANTED TO WITHIN 12" OF ADJACENT SHRUB STEMS.
21. ALL PLANTING SHALL BE GUARANTEED THROUGH THE ESTABLISHMENT PERIOD (SEE PLANTING SPECIFICATIONS). ESTABLISHMENT PERIOD SHALL BE 90 DAYS. TREES SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR, BEGINNING FROM THE DATE OF THE FINAL ACCEPTANCE OF THE ESTABLISHMENT PERIOD.
22. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL AREAS IN A WEED AND DEBRIS-FREE CONDITION THROUGHOUT THE ESTABLISHMENT PERIOD.
23. COORDINATE PLACEMENT OF TREES WITH SITE LIGHTING. CANOPY OF TREE AT ULTIMATE SIZE SHALL NOT BE PLACED SO AS TO CONFLICT WITH LIGHTING THROW ALONG WALKWAYS.
24. PLANT MATERIAL SHALL BE GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE OF THE PROJECT SITE.
25. ALL LANDSCAPE AND IRRIGATION SHALL CONFORM TO THE STANDARDS OF THE CITY-WIDE LANDSCAPE REGULATIONS AND THE CITY OF ANAHEIM LAND DEVELOPMENT MANUAL LANDSCAPE STANDARDS AND ALL OTHER LANDSCAPE RELATED CITY AND REGIONAL STANDARDS.
26. MINIMUM TREE SEPARATION DISTANCE:
    TRAFFIC SIGNALS / STOP SIGNS - 20 FEET
    UNDERGROUND UTILITY LINES - 5 FEET (10' FOR SEWER)
    ABOVE GROUND UTILITY STRUCTURES - 10 FEET
    DRIVEWAY (ENTRIES) - 10 FEET
    INTERSECTIONS (INTERSECTING CURB LINES OF TWO STREETS) - 25 FEET
27. ALL PLANTING AREAS UNLESS OTHERWISE SPECIFIED TO RECEIVE 3" LAYER OF EVERBLOOM MULCH, AVAILABLE THROUGH AGRISERVICE, PHONE: (760) 439-9920 OR APPROVED EQUAL.
28. **NO PLANTING OR IRRIGATION SHALL BE INSTALLED WITHIN DRIP LINE OF EXISTING TREES.**
29. ADD 1" OF MULCH UNDER TREE CANOPIES.

CONTRACTOR SHALL IMMEDIATELY, UPON THE AWARD OF THE CONTRACT, ORDER, LOCATE AND PURCHASE (OR HAVE HELD) ALL PLANT MATERIAL REQUIRED BY THESE PLANS AND SPECIFICATIONS. WITH NATIVE PLANTS PROCUREMENT NEEDS TO BE DONE AT LEAST 6 MONTHS PRIOR TO PLANTING. LAST MINUTE SUBSTITUTIONS WILL NOT BE ACCEPTED.

AT LEAST 60 DAYS BEFORE PLANTING CONTRACTOR MUST SUBMIT A STATEMENT FROM THE VENDOR THAT THE ORDER FOR THE PLANTS REQUIRED, INCLUDING SAMPLE PLANTS FOR INSPECTION, HAS BEEN RECEIVED AND ACCEPTED BY THE VENDOR.

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QTY	DETAIL	WATER USE
TREES						
	EXISTING EXISTING TREE TO REMAIN		EXISTING			
ACCENT TREES						
	CERCIS OCCIDENTALIS	WESTERN REDBUD	15 GAL	8	1, 4/LP-200	VERY LOW - MEDIUM
	CHILOPSIS LINEARIS	DESERT WILLOW	15 GAL	5		LOW
	SAMBUCUS MEXICANA	MEXICAN ELDERBERRY	15 GAL	5		LOW
SHADE TREES						
	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	15 GAL	12		MEDIUM
	QUERCUS ENGELMANNII	ENGELMANN OAK	15 GAL	7		VERY LOW - LOW
SMALL SCREENING TREE						
	HETEROMELES ARBUTIFOLIA	TOYON	15 GAL	36		LOW
	PRUNUS ILICIFOLIA	HOLLYLEAF CHERRY	15 GAL	8		VERY LOW - MEDIUM
	RHUS INTEGRIFOLIA	LEMONADE BERRY	15 GAL	5		LOW
	RHUS OVATA	SUGAR BUSH	15 GAL	8		VERY LOW - LOW

NOTE:
QUANTITIES ON LEGEND ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ACTUAL QUANTITY OF PLANTS TO BE USED BASED ON PLANT SPACING AND PLANT SYMBOLS SHOWN ON PLANS.

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

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SEE SHEET LP-100 FOR PLANTING NOTES & LEGEND
SEE SHEETS LP-101 - LP-106 FOR PLANTING PLANS
SEE SHEET LP-200 FOR PLANTING DETAILS

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LICENSED LANDSCAPE ARCHITECT
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PLANTING NOTES & LEGEND | LP-100

SITE ADDRESS: RIVER PARK
2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

BLD2025-04799

SHEET 37 OF 62

SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

CITY OF ANAHEIM | D-XXX

PLOT DATE: 09/11/2025

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QTY	DETAIL	WATER USE
SHRUBS						
	ABUTILON PALMERI	INDIAN MALLOW	5 GAL	136	2/LP-200	MEDIUM
	BAHIOPSIS LACINIATA	SAN DIEGO SUNFLOWER	1 GAL	234		VERY LOW
	DIPLACUS AURANTIACUS	STICKY MONKEYFLOWER	1 GAL	63		VERY LOW
	DUDLEYA BRITTONII	GIANT CHALK DUDLEYA	1 GAL	25		LOW
	ENCELIA FARINOSA	BRITTLEBUSH	1 GAL	262		VERY LOW
	ERIOGONUM FASCICULATUM	CALIFORNIA BUCKWHEAT	1 GAL	189		VERY LOW
	ERIOGONUM GIGANTEUM	ST. CATHERINE'S LACE	5 GAL	82		LOW
	FRANGULA CALIFORNICA `MOUND SAN BRUNO`	MOUND SAN BRUNO COFFEEBERRY	5 GAL	20		LOW
	MALACOTHAMNUS FASCICULATUS	BUSH MALLOW	1 GAL	32		VERY LOW - LOW
	MUHLENBERGIA RIGENS	DEER GRASS	1 GAL	146		LOW
	ROMNEYA COULTERI	MATILIJA POPPY	1 GAL	36		LOW
	SALVIA APIANA	WHITE SAGE	1 GAL	100		LOW
	SALVIA CLEVELANDII `POZO BLUE`	POZO BLUE CLEVELAND SAGE	1 GAL	138		VERY LOW
	VERBENA LILACINA 'DE LA MINA'	DE LA MINA LILAC VERBENA	1 GAL	151		LOW
SWALE AREA						
	ACHILLEA MILLEFOLIUM	COMMON YARROW	1 GAL	110		LOW
	JUNCUS PATENS 'ELK BLUE'	SPREADING RUSH	1 GAL	48		LOW - MEDIUM
	JUNCUS TEXTILIS	BASKET RUSH	1 GAL	44		HIGH

SYMBOL	BOTANICAL NAME	COMMON NAME	CONT	SPACING	QTY	DETAIL	WATER USE
SHRUB AREAS							
	ASCLEPIAS FASCICULARIS	NARROWLEAF MILKWEED	1 GAL	8" o.c.	303	2/LP-200	VERY LOW - LOW
	BACCHARIS PILULARIS 'PIGEON POINT'	PIGEON POINT COYOTE BRUSH	1 GAL	48" o.c.	194		LOW
	GRINDELIA CAMPORUM	GREAT VALLEY GUMWEED	1 GAL	24" o.c.	290		VERY LOW - LOW
	LEYMUS CONDENSATUS 'CANYON PRINCE'	CANYON PRINCE GIANT WILD RYE	1 GAL	36" o.c.	301		LOW
	MUHLENBERGIA DUBIA	PINE MUHLY	1 GAL	30" o.c.	334		MEDIUM
	PENSTEMON CENTRANTHIFOLIUS	SCARLET BUGLER	1 GAL	12" o.c.	151		VERY LOW - LOW
	SALVIA LEUCOPHYLLA 'POINT SAL SPREADER'	POINT SAL SPREADER PURPLE SAGE	1 GAL	36" o.c.	210		LOW
	SALVIA SONOMENSIS	CREEPING SAGE	1 GAL	36" o.c.	209		LOW
SWALE AREA							
	CAREX PRAEGRACILIS	CALIFORNIA FIELD SEDGE	1 GAL	18" o.c.	171		MEDIUM

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE		QTY	DETAIL	WATER USE
GROUND COVERS							
	DISTICHLIS SPICATA	SALTGRASS	1 GAL	18" o.c.	1,464	3/LP-200	VERY LOW - LOW
	EPILOBIUM LATIFOLIUM 'EVERTT'S CHOICE'	HUMMINGBIRD TRUMPET	1 GAL	36" o.c.	143		VERY LOW
	ERIGERON GLAUCUS	SEASIDE DAISY	1 GAL	24" o.c.	363		LOW - MEDIUM
	FRAGARIA CALIFORNICA	CALIFORNIA STRAWBERRY	1 GAL	24" o.c.	190		LOW
	FRAGARIA CHILOENSIS	BEACH STRAWBERRY	1 GAL	24" o.c.	257		MEDIUM
	LESSINGIA FILAGINIFOLIA 'SILVER CARPET'	SILVER CARPET ASTER	1 GAL	36" o.c.	87		LOW - MEDIUM
	MONARDELLA VILLOSA	COYOTE MINT	1 GAL	24" o.c.	212		VERY LOW
UNDER EXISTING TREES							
	1" THICK MULCH UNDER TREES.		MULCH		32,980 SF		
	DEEP ROOT BARRIER UB-24-2						

NOTE:
QUANTITIES ON LEGEND ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ACTUAL QUANTITY OF PLANTS TO BE USED BASED ON PLANT SPACING AND PLANT SYMBOLS SHOWN ON PLANS.

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

FOR CITY USE ONLY

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SEE SHEET LP-100 FOR PLANTING NOTES & LEGEND
SEE SHEETS LP-101 - LP-106 FOR PLANTING PLANS
SEE SHEET LP-200 FOR PLANTING DETAILS

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5209
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

PLANTING NOTES & LEGEND | LP-100.1

SITE ADDRESS: RIVER PARK
2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

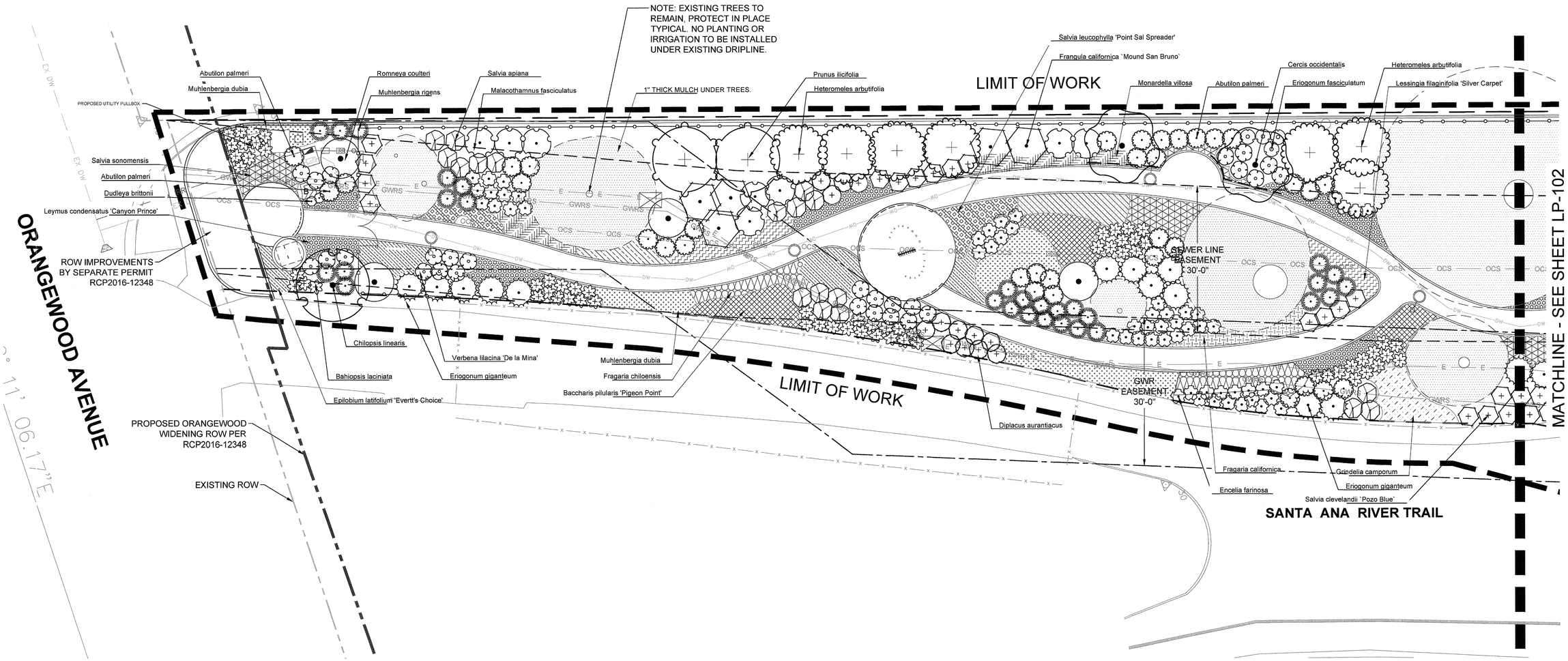
BLD2025-04799

SHEET 38 OF 62

SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

CITY OF ANAHEIM | D-XXX

PLOT DATE: 09/11/2025



LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE
- GWR EASEMENT
- SEWER LINE EASEMENT
- FLOOD CONTROL EMERGENCY ACCESS

0 5 10 20

SCALE : 1" = 10'-0"

NORTH

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

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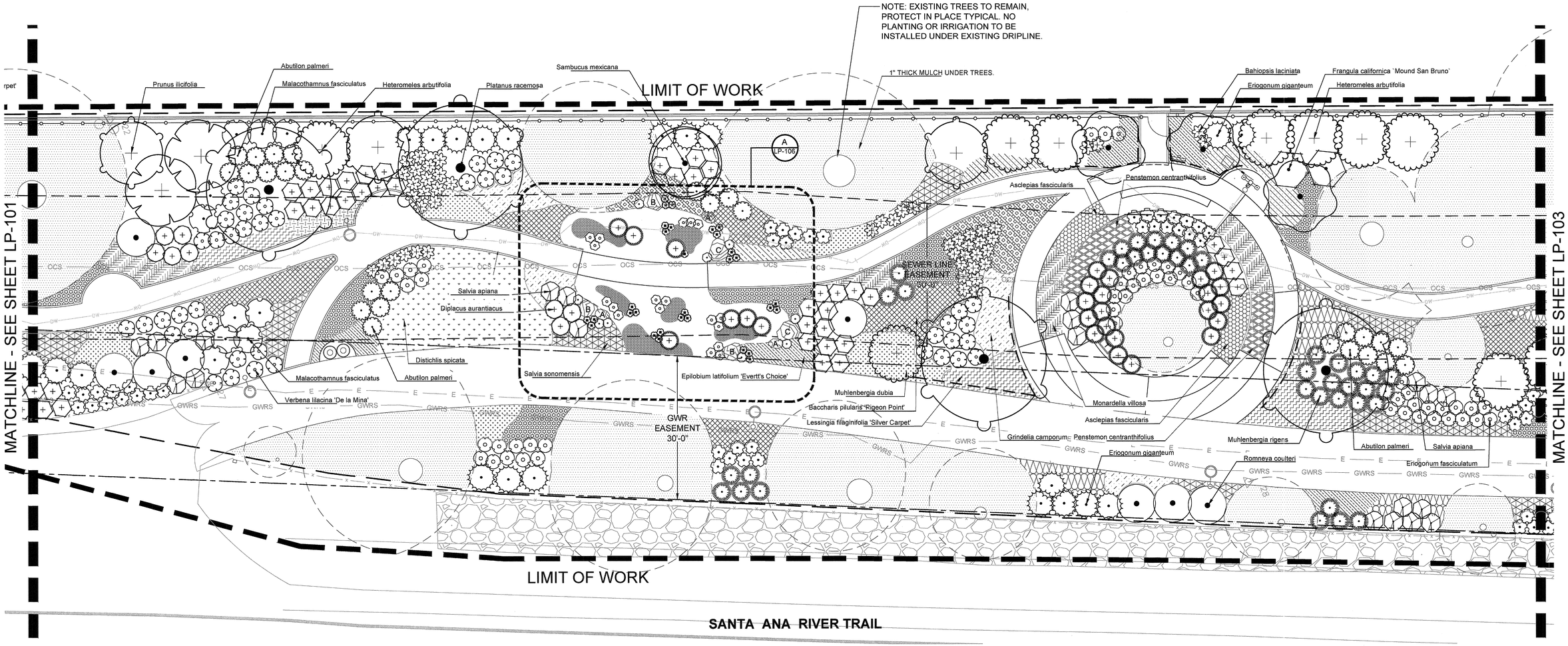
SEE SHEET LP-100 FOR PLANTING NOTES & LEGEND
SEE SHEETS LP-101 - LP-106 FOR PLANTING PLANS
SEE SHEET LP-200 FOR PLANTING DETAILS

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JEFFREY T. BARR No. 5209
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
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PLANTING PLAN	LP-101
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799
	SHEET 39 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM	D-XXX

PLOT DATE: 09/11/2025



LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE
- GWR EASEMENT
- SEWER LINE EASEMENT
- FLOOD CONTROL EMERGENCY ACCESS

0 5 10 20

SCALE : 1" = 10'-0"

NORTH

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ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

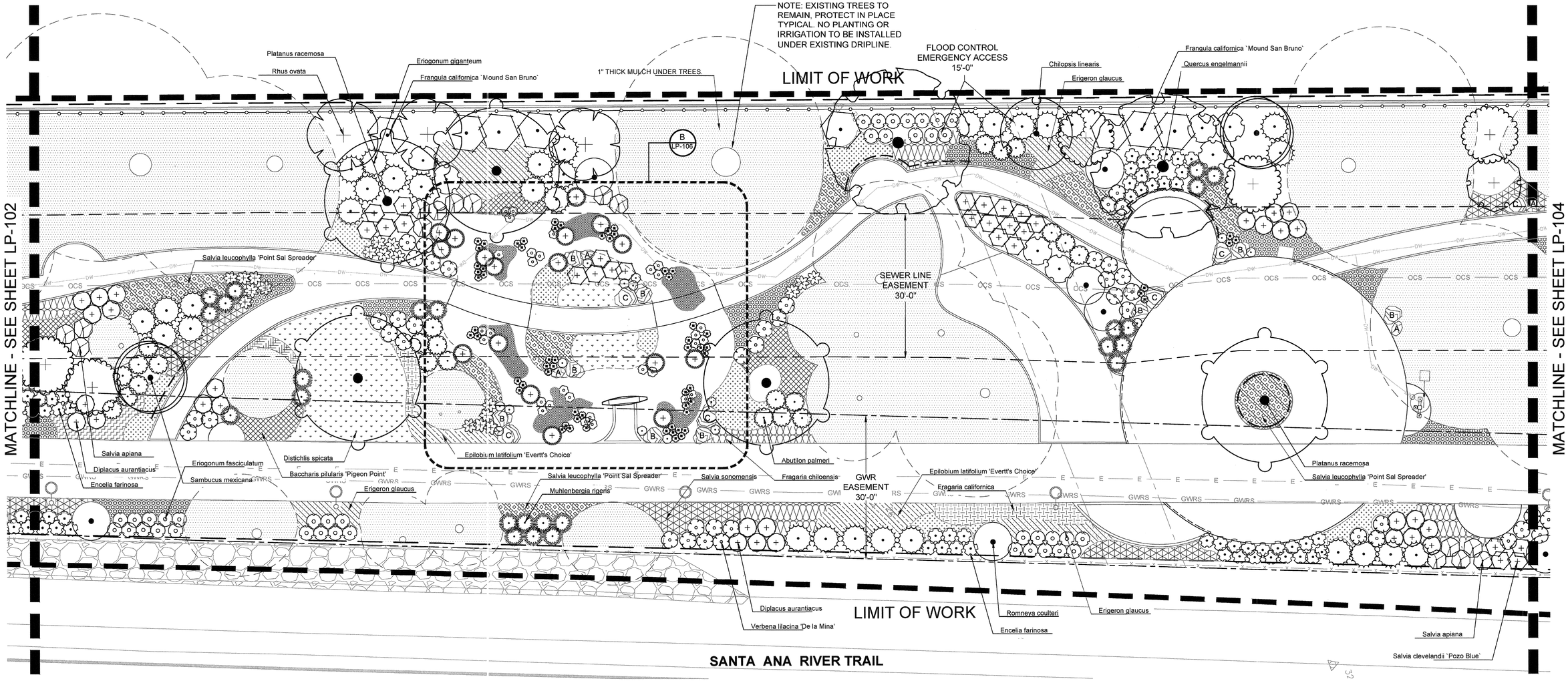
SEE SHEET LP-100 FOR PLANTING NOTES & LEGEND
SEE SHEETS LP-101 - LP-106 FOR PLANTING PLANS
SEE SHEET LP-200 FOR PLANTING DETAILS

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JEFFREY T. BARR No. 5203
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12-31-26
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05-12-26
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STATE OF CALIFORNIA

PLANTING PLAN	LP-102
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799
	SHEET 40 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM	D-XXX

PLOT DATE: 09/11/2025



LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE
- GWR EASEMENT
- SEWER LINE EASEMENT
- FLOOD CONTROL EMERGENCY ACCESS

0 5 10 20

SCALE : 1" = 10'-0"

NORTH

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SEE SHEET LP-100 FOR PLANTING NOTES & LEGEND
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SEE SHEET LP-200 FOR PLANTING DETAILS

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JEFFREY T. BARR No. 5209
SIGNATURE
12-31-26
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05-12-26
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PLANTING PLAN	LP-103
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799
	SHEET 41 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM	D-XXX

PLOT DATE: 09/11/2025

NOTE: EXISTING TREES TO REMAIN, PROTECT IN PLACE TYPICAL. NO PLANTING OR IRRIGATION TO BE INSTALLED UNDER EXISTING DRIPLINE.

LIMIT OF WORK

MATCHLINE - SEE SHEET LP-103

MATCHLINE - SEE SHEET LP-105

Romneya coulteri
Eriogonum fasciculatum
Quercus engelmannii
Heteromeles arbutifolia
Salvia sonomensis
Abutilon palmeri
Frangula californica `Mound San Bruno`
Grindelia camporum
SEWER LINE EASEMENT 30'-0"
Salvia leucophylla 'Point Sal Spreader'
Sambucus mexicana
Cercis occidentalis
Lessingia filaginifolia 'Silver Carpet'
Rhus integrifolia
Distichlis spicata
Fragaria californica
Grindelia camporum
Erigeron glaucus
Malacothamnus fasciculatus
Monardella villosa
Muhlenbergia rigens
GWR EASEMENT 30'-0"
Verbena lilacina 'De la Mina'
Bahiopsis laciniata
Muhlenbergia dubia
Baccharis pilularis 'Pigeon Point'
Leymus condensatus 'Canyon Prince'
Salvia clevelandii `Pozo Blue`
Encelia farinosa
Eriogonum fasciculatum
Eriogonum giganteum
Salvia apiana
Diplacus aurantiacus
LIMIT OF WORK
Eriogonum giganteum
SANTA ANA RIVER TRAIL

LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE
- GWR EASEMENT
- SEWER LINE EASEMENT
- FLOOD CONTROL EMERGENCY ACCESS

0 5 10 20
SCALE : 1" = 10'-0"

NORTH

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JEFFREY T. BARR No. 5209
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

PLANTING PLAN | LP-104

SITE ADDRESS: RIVER PARK
2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

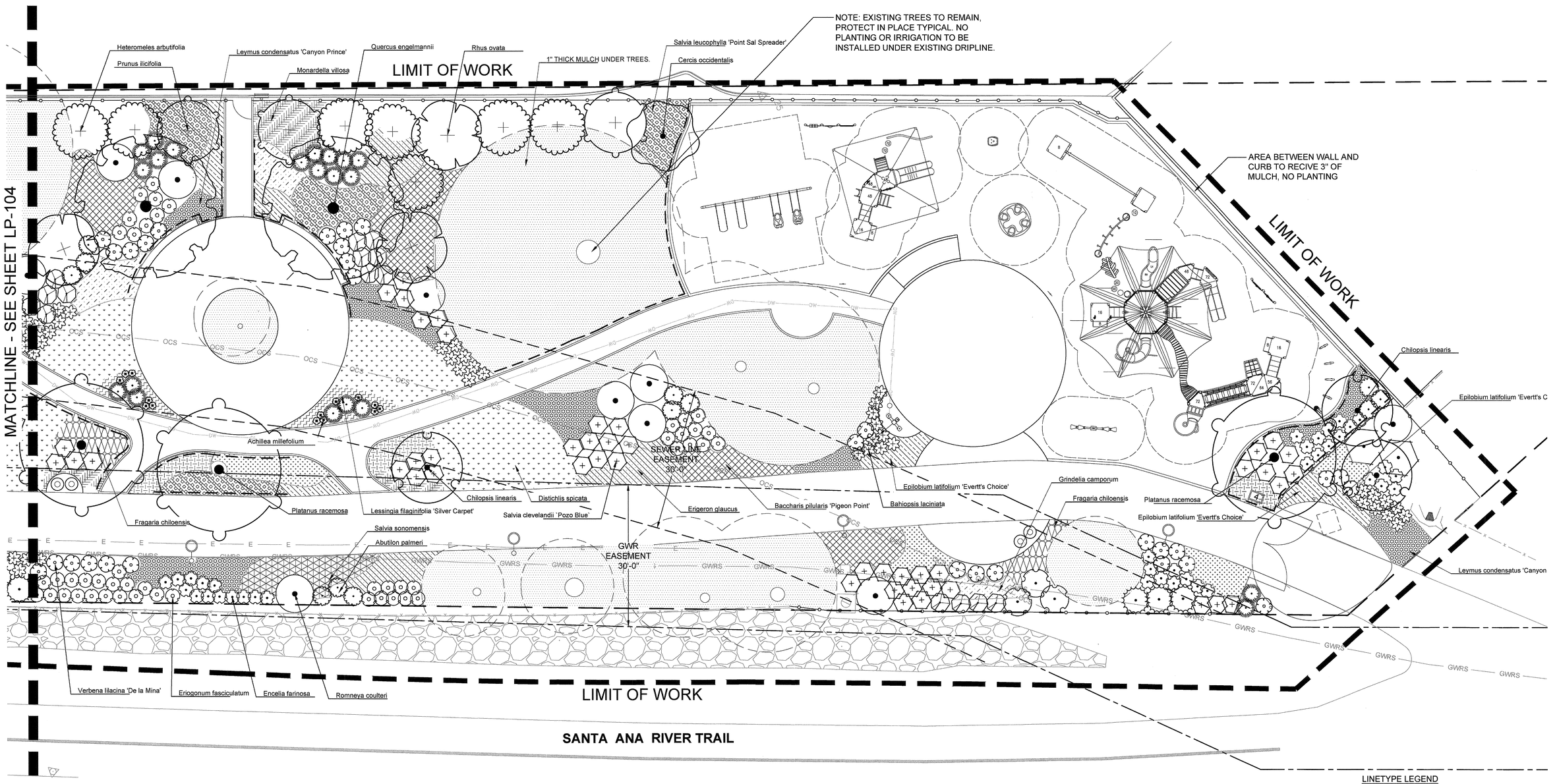
BLD2025-04799

SHEET 42 OF 62

SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

CITY OF ANAHEIM | D-XXX

PLOT DATE: 09/11/2025



LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE
- GWR EASEMENT
- SEWER LINE EASEMENT
- FLOOD CONTROL EMERGENCY ACCESS

0 5 10 20

SCALE : 1" = 10'-0"

NORTH

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

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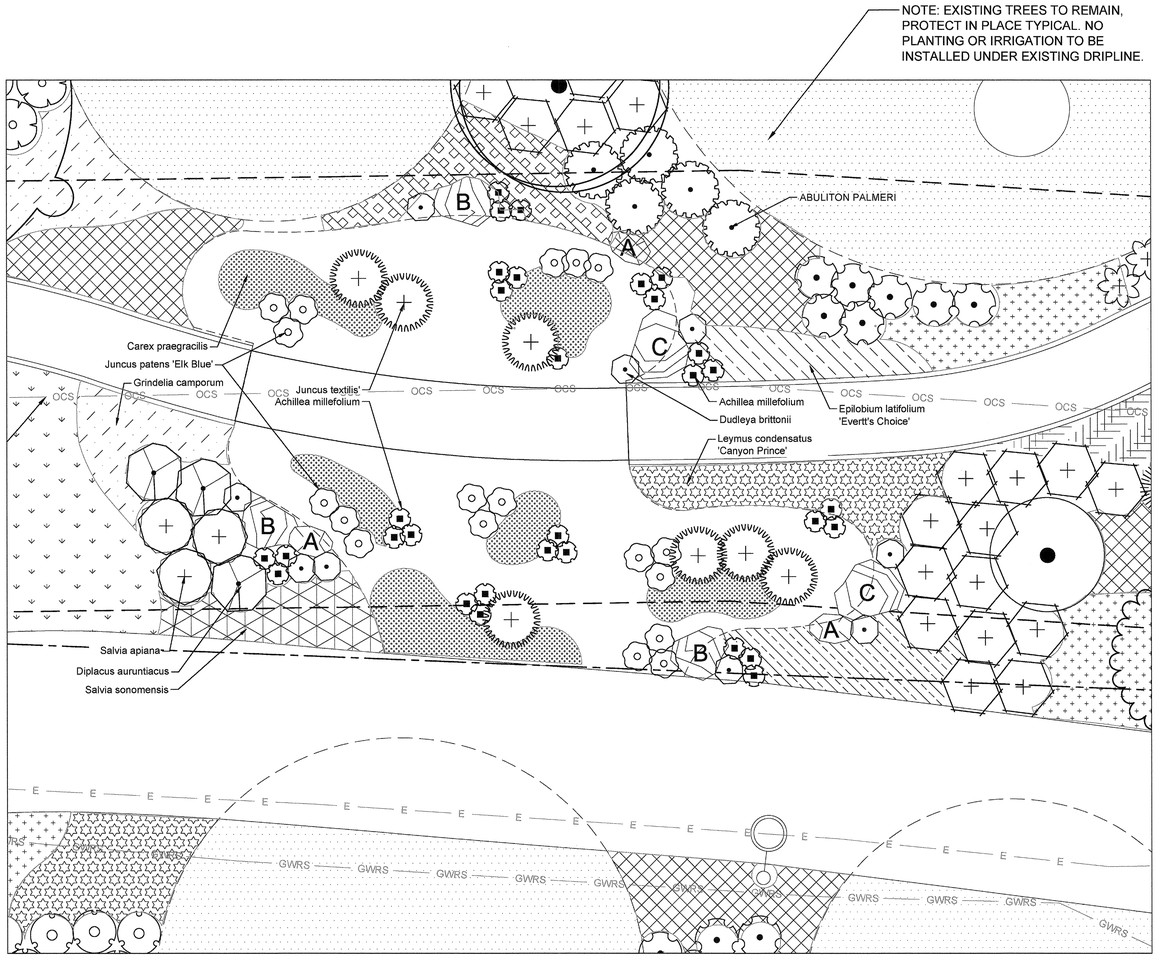
SEE SHEET LP-100 FOR PLANTING NOTES & LEGEND
SEE SHEETS LP-101 - LP-106 FOR PLANTING PLANS
SEE SHEET LP-200 FOR PLANTING DETAILS

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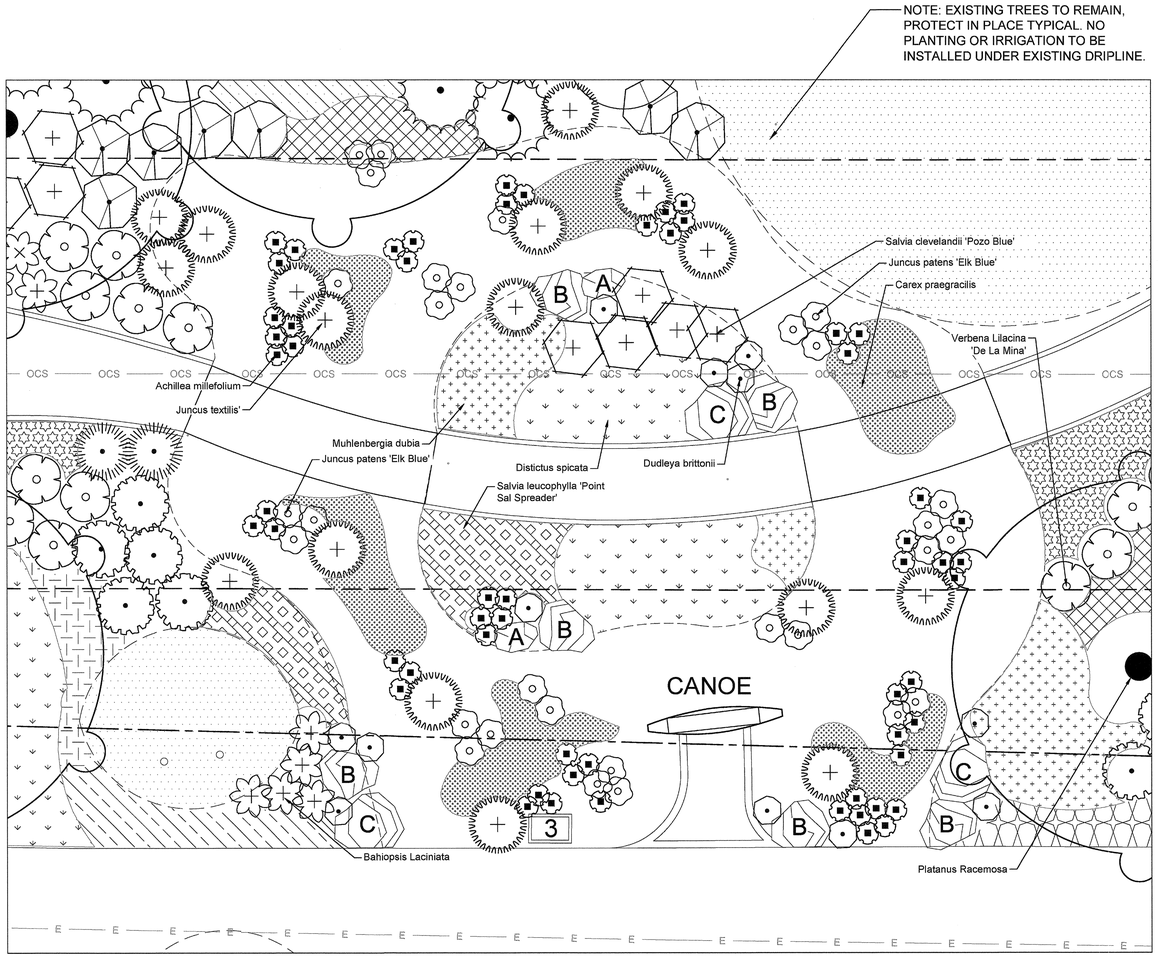
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JEFFREY T. BARR No. 5209
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12-31-26
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DATE
STATE OF CALIFORNIA

PLANTING PLAN	LP-105
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	SHEET 43 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM	D-XXX

PLOT DATE: 09/11/2025



PLANTING ENLARGEMENT "A"
SCALE: 1 IN = 5 FT



PLANTING ENLARGEMENT "B"
SCALE: 1 IN = 5 FT

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME
SHRUBS		
	ABUTILON PALMERI	INDIAN MALLOW
	BAHIOPSIS LACINIATA	SAN DIEGO SUNFLOWER
	DIPLACUS AURANTIACUS	STICKY MONKEYFLOWER
	DUDLEYA BRITTONII	GIANT CHALK DUDLEYA
	ERIOGONUM GIGANTEUM	ST. CATHERINE'S LACE
	ENCELIA FARINOSA	BRITTLEBUSH
	MUHLENBERGIA RIGENS	DEER GRASS
	ENCELIA FARINOSA	BRITTLEBUSH
	SALVIA APIANA	WHITE SAGE

SYMBOL	BOTANICAL NAME	COMMON NAME
SHRUBS		
	SALVIA APIANA	WHITE SAGE
	SALVIA CLEVELANDII `POZO BLUE`	POZO BLUE CLEVELAND SAGE
SWALE AREA		
	ACHILLEA MILLEFOLIUM	COMMON YARROW
	JUNCUS PATENS 'ELK BLUE'	SPREADING RUSH
	JUNCUS TEXTILIS	BASKET RUSH
SHRUB AREAS		
	BACCHARIS PILULARIS 'PIGEON POINT'	PIGEON POINT COYOTE BRUSH
	GRINDELIA CAMPORUM	GREAT VALLEY GUMWEED

SYMBOL	BOTANICAL NAME	COMMON NAME
SHRUB AREAS		
	LEYMUS CONDENSATUS 'CANYON PRINCE'	CANYON PRINCE GIANT WILD RYE
	MUHLENBERGIA DUBIA	PINE MUHLY
	SALVIA LEUCOPHYLLA 'POINT SAL SPREADER'	POINT SAL SPREADER PURPLE SAGE
	SALVIA SONOMENSIS	CREEPING SAGE
SWALE AREA		
	CAREX PRAEGRACILIS	CALIFORNIA FIELD SEDGE
GROUND COVERS		
	EPILOBIUM LATIFOLIUM 'EVERTT'S CHOICE'	HUMMINGBIRD TRUMPET

SYMBOL	BOTANICAL NAME	COMMON NAME
GROUND COVERS		
	DISTICHLIS SPICATA	SALTGRASS
	EPILOBIUM LATIFOLIUM 'EVERTT'S CHOICE'	HUMMINGBIRD TRUMPET
	FRAGARIA CHILOENSIS	BEACH STRAWBERRY

LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- PROPERTY LINE
- GWR EASEMENT
- SEWER LINE EASEMENT
- FLOOD CONTROL EMERGENCY ACCESS

NORTH

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

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ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

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SEE SHEETS LP-101 - LP-106 FOR PLANTING PLANS
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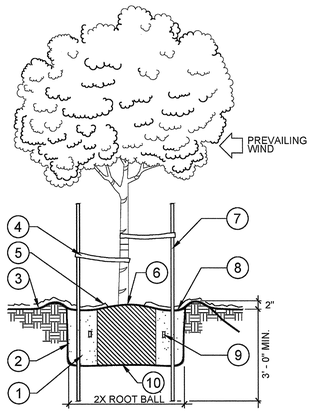
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JEFFREY T. BARR No. 5208
SIGNATURE
12-31-26
RENEWAL DATE
05-12-28
DATE
STATE OF CALIFORNIA

PLANTING ENLARGEMENT	LP-106
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799
	SHEET 44 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM	D-XXX

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

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PLOT DATE: 09/11/2025



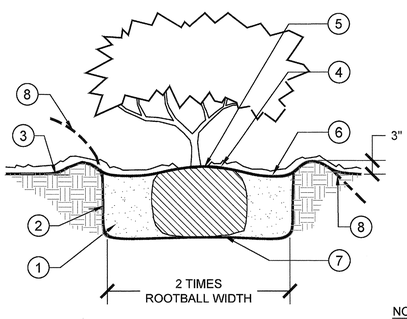
LEGEND:

1. PLANTING BACKFILL PER NOTES AND SPECIFICATIONS.
2. ROUGHEN SIDES AND BOTTOM OF PIT.
3. FINISHED GRADE OF PLANTING AREA.
4. "CINCH-TIE" MANUF. BY V.I.T. COMPANY, INC. . ATTACH PER MANUF. SPEC'S. AND SECURE WITH FURRING NAIL AT STAKE.
5. 3 INCH MULCH LAYER.
6. ROOTBALL SLIGHTLY HIGHER THAN FINISHED GRADE.
7. (3) 2" DIA. X 8' LONG LODGEPOLE STAKES. NOTE: USE THREE STAKES FOR TREE'S 15 GALLON AND LARGER.
8. WATER BASIN.
9. PLANTING TABLETS PER NOTES AND SPECIFICATIONS.
10. ROOT/SOIL BALL RESTING ON FIRM SOIL TO AVOID SETTLING.

NOTES:

A. KEEP MULCH 6" FROM TRUNK OF TREE TYP.

1 TREE PLANTING
NO SCALE



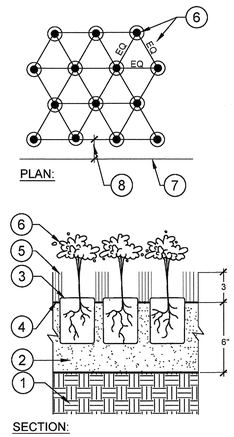
LEGEND:

1. PLANTING BACKFILL PER NOTES AND SPECIFICATIONS
2. ROUGHEN SIDES AND BOTTOM OF PIT
3. FINISHED GRADE
4. 3" MULCH LAYER PER SPECS
5. ROOTBALL SLIGHTLY HIGHER THAN FINISHED GRADE
6. FINISH GRADE TO BE MOUNDED AROUND SHRUB TO CREATE A WATER BASIN
7. SOIL BALL RESTING ON FIRM SOIL TO AVOID SETTLING
8. FOR SLOPE CONDITIONS CHAMFER SLOPE TO PREVENT EROSION

NOTES:

A. KEEP MULCH 6" FROM TRUNK OF TREE, 2"-3" FROM SHRUB TYP.

2 SHRUB PLANTING
NOT TO SCALE



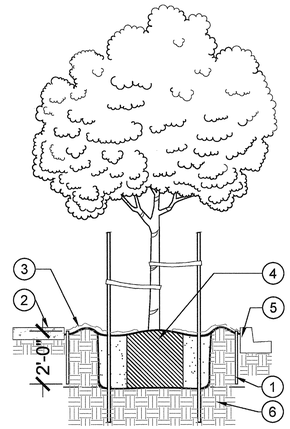
LEGEND:

1. EXISTING SUBGRADE
2. AMENDED PLANTING BACKFILL PER PLANTING NOTES & SPECIFICATIONS
3. ROOTBALL SLIGHTLY HIGHER THAN FINISHED GRADE.
4. FINISHED GRADE
5. 3" MULCH LAYER INSTALLED AFTER IRRIGATION COVERAGE TEST
6. PLANT TYPE AND SPACING AS SPECIFIED ON PLANS
7. EDGE OF PLANTING AREA
8. DISTANCE FROM EDGE OF PLANTER TO CENTER OF PLANT TO BE 1/2 THE SPECIFIED SPACING

NOTES:

A. KEEP MULCH 6" FROM TRUNK OF TREE, AND 2"-3" FROM SHRUB, OR GROUNDCOVER TYP.
B. IN AREAS WITH PLUGS OR LINERS, CONTRACTOR MAY INSTALL MULCH PRIOR TO PLANTING GROUNDCOVER.

3 GROUNDCOVER PLANTING
NOT TO SCALE



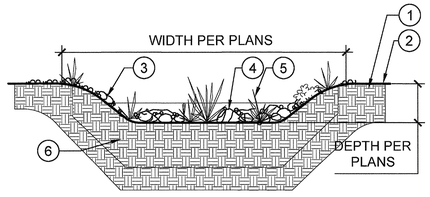
LEGEND

1. 24" DEEP ROOT BARRIER PER SPECIFICATIONS/ EXTEND 10' FROM TRUNK OF TREE IN EACH DIRECTION ALONG FACE OF PAVING, CURB, WALL, ETC.
2. CONCRETE PAVING PER PLAN (WHERE APPLICABLE)
3. EXTEND TOP OF ROOT BARRIER 1/2" MINIMUM ABOVE FINISHED GRADE
4. TREE PLANTING PER DETAILS
5. CONCRETE CURB PER PLANS (WHERE APPLICABLE)
6. COMPACTED SUBGRADE

NOTES:

A. CONTRACTOR SHALL INSTALL AND ASSEMBLE ROOT BARRIER PER MANUFACTURERS RECOMMENDATIONS
B. DO NOT INSTALL ROOT BARRIER IF CUTS EXISTING TREE ROOTS.

4 ROOT BARRIER
NOT TO SCALE



LEGEND

1. TOP OF BASIN PER CIVIL GRADING PLAN
2. ADJACENT MATERIAL PER PLANTING PLANS
3. MEDIUM COBBLE - 'SIERRA COBBLE' BY SOUTHWEST BOULDER PER PLANS. SIZE: 4"-7" (50% of TOTAL COBBLE)
4. LARGE COBBLE - 'SIERRA COBBLE' BY SOUTHWEST BOULDER PER PLANS. SIZE 8"+ (50% OF TOTAL COBBLE)
5. PLANTING IN SWALE - SEE PLANTING PLAN
6. SUB GRADE

NOTES

A. LINE SWALE WITH COBBLES 1" MINIMUM SIZE, SEE LEGEND ABOVE. SEE ALSO GRADING PLANS.

5 PLANTING IN COBBLE BASIN
NOT TO SCALE

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82

LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER

ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SEE SHEET LP-100 FOR PLANTING NOTES & LEGEND
SEE SHEETS LP-101 - LP-105 FOR PLANTING PLANS
SEE SHEET LP-200 FOR PLANTING DETAILS

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
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LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR NO. 5308
SIGNATURE
12-31-26
RENEWAL DATE
05-12-28
DATE
STATE OF CALIFORNIA

PLANTING DETAILS		LP-200
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806		BLD2025-04799 SHEET 45 OF 62
SCALE: SCALE PER SHEET	DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM		D-XXX

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

FOR CITY USE ONLY

PLOT DATE: 09/11/2025

A	AMPERES
AC	ALTERNATING CURRENT
AIC	AMPERES INTERRUPTING CAPACITY
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AF	AMP FRAME/AMP FUSE
AL	ALUMINUM
ARCH	ARCHITECT OR ARCHITECTURAL
AS	AMP SWITCH
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
BKBD	BACKBOARD
C	CONDUIT WITH WIRE
CATV	CABLE TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CB	CIRCUIT BREAKER
CLF	CURRENT LIMITING FUSE
C.O.	CONDUIT ONLY WITH NYLON PULL CORD
CONTR	CONTRACTOR
CPT	CONTROL POWER TRANSFORMER
CU	COPPER
CT	CURRENT TRANSFORMER
CW	COLD WATER
D	DEDICATED OUTLET
DC	DIRECT CURRENT
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DWGS	DRAWINGS
EA	EACH
EB	90-MINUTE BATTERY CONNECTED TO UNIT
EC	ELECTRICAL CONTRACTOR
ED	'IOTA' LED EMERGENCY DRIVER (IF AC DRIVER IS EXTERNAL) OR 'IOTA' MICRO INVERTER (IF DRIVER IS INTERNAL TO FIXTURE) QUANTITY OF MICRO INVERTERS PER INVERTER DIVIDED BY FIXTURE WATTAGE) PROVIDE ADDITIONAL VOLTAGE SENSING CIRCUIT FOR SWITCHED FIXTURES
EG	EMERGENCY GENERATOR CONNECTION
EGB	EMERGENCY GENERATOR AND 90-MINUTE BATTERY BACKUP
EF	EXHAUST FAN
ELECT	ELECTRICAL
ELEV	ELEVATION/ELEVATOR
EMT	ELECTRO-METALIC TUBING
EXIST	EXISTING
EXO	EXTERNALLY OPERATED CIRCUIT BREAKER
FA	FIRE ALARM
FC	FOOT CANDLE
FF	FURNITURE FEED
FIXT	FIXTURE
FLUOR	FLUORESCENT
FT.	FEET OR FOOT
FVNR	FULL VOLTAGE NON-REVERSING
G	GROUND BUS OR WIRE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GD	GARBAGE DISPOSAL
GEN	GENERATOR
GFCI	GROUND FAULT CURRENT INTERRUPTER
GFR	GROUND FAULT RELAY
GG	GREEN GROUND WIRE
GRD	GROUND
H	HORIZONTAL
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HR	HEIGHT
HT	HOUR
HV	HIGH VOLTAGE
HZ	HERTZ
IG	ISOLATED GROUND BUS OR WIRE
IMC	INTERMEDIATE METAL CONDUIT
INCAND	INCANDESCENT
INV.	INVERTER
J-BOX	JUNCTION BOX
KB	KNEE SPACE
KVA	KILO-VOLTAMPERE
KW	KILO-WATT
KWH	KILO-WATT-HOUR
LBS	POUNDS
LF	LINEAL FEET
LTG	LIGHTING
LV	LOW VOLTAGE
MANUF	MANUFACTURER
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MC	MECHANICAL CONTRACTOR
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTION
MECH	MECHANICAL
MIN	MINIMUM
MH	METAL HALIDE
MLO	MAIN LUGS ONLY
MTG	MOUNTING
MV	MERCURY VAPOR
N	NEUTRAL
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NTS	NOT TO SCALE
NO	NORMALLY OPEN
OC	ON CENTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
P	PEDESTAL MOUNT
PB	PULL BOX
PC	PHOTOCELL CONTROL
PCTC	PHOTOCELL/TIMECLOCK CONTROL
PF	POWER FACTOR
PH	PHASE
PIV	POST INDICATING VALVE
PL	PILOT LIGHT
PVC	POLYVINYL CHLORIDE
PWR	POWER
PP	POWER POLE
PT	POTENTIAL TRANSFORMER
QR	FIXTURE WITH QUARTZ RESTRIKE
QTY	QUANTITY
RECEPT	RECEPTACLE
REFER	REFRIGERATOR
RGS	RIGID GALVANIZED STEEL
SD	SMOKE DETECTOR
SPEC	SPECIFICATION
SQ FT	SQUARE FEET OR SQUARE FOOT
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TEMP	TEMPERATURE OR TEMPORARY
TV	TELEVISION
TEL, TELE	TELEPHONE
TC	TIME CLOCK
TL	TWIST LOCK
TRANSF	TRANSFORMER
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UGPS	UNDERGROUND PULL SECTION
UL	UNDERWRITERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS
VA	VOLT-AMPERE
VFD	VARIABLE FREQUENCY DRIVE
WH	WATER HEATER
WP	WEATHER PROOF DEVICE OR COVER
X	EXISTING
XFMR	TRANSFORMER
XL	EXISTING TO BE RELOCATED
XN	NEW LOCATION OF RELOCATED FIXTURE OR DEVICE
XR	EXISTING TO BE REMOVED

ABBREVIATIONS

FUSED SWITCH, SEE SINGLE-LINE DIAGRAM FOR MORE INFORMATION

CIRCUIT BREAKER, SEE SINGLE-LINE DIAGRAM FOR MORE INFORMATION

TRANSFORMER, SEE SINGLE-LINE DIAGRAM FOR MORE INFORMATION

SHIELDED TRANSFORMER, SEE SINGLE-LINE DIAGRAM FOR MORE INFORMATION

CURRENT TRANSFORMER

POTENTIAL TRANSFORMER

DRAWOUT DEVICE

AUTOMATIC TRANSFER SWITCH- OPEN TRANSITION WITH IN-PHASE MONITOR.

NEW PANEL L1

PANELBOARD
LOAD NOMENCLATURE:
L - LIGHTING
H - HOUSE
OP - OFFICE POWER
M - MECHANICAL
MP - MECHANICAL (208V)
LP - LAB POWER
CP - COMPUTER ROOM
K - KITCHEN
NUMBER INDICATES FLOOR LEVEL

METER
M - UTILITY METER
VM - VOLT METER
AM - AMMETER
VAR - VARMETER
WM - WATTMETER
WHM - WATTHOUR METER
WDM - WATTHOUR DEMAND METER

GROUND FAULT CIRCUIT INTERRUPTER

SHUNT TRIP DEVICE

DOUBLE LUG

SOLID STATE DEVICE

FEED THROUGH PANELBOARD

HEAVY DUTY 6PST OR DPST RELAY (SIEMENS 'PRO' SERIES OR EQUAL) IN NEMA 1 OR NEMA 3R ENCLOSURE WITH 120V CONTACT COIL.

PROVIDE LIQUID TIGHT FINAL CONNECTION TO EQUIPMENT

RACEWAY OR WIREWAY ASSEMBLY DOWN

RACEWAY OR WIREWAY ASSEMBLY UP

HOMERUN TO PANEL, CIRCUITS AS INDICATED

UNDERGROUND HOMERUN TO PANEL, CIRCUITS AS INDICATED

CONCEALED EMT CONDUIT WITH THWN/THHN WIRE 2#12AWG, ½"C MINIMUM. MC CABLE ACCEPTABLE AT CONCEALED LOCATIONS. OWNER & ARCHITECT TO APPROVE MC CABLE AT EXPOSED AREAS.

CONCEALED EMT CONDUIT WITH THWN/THHN WIRE 3#12AWG, ½"C MINIMUM. MC CABLE ACCEPTABLE AT CONCEALED LOCATIONS. OWNER & ARCHITECT TO APPROVE MC CABLE AT EXPOSED AREAS.

CONCEALED EMT CONDUIT WITH THWN/THHN WIRE 3#10AWG, ⅜"C MINIMUM. MC CABLE ACCEPTABLE AT CONCEALED LOCATIONS. OWNER & ARCHITECT TO APPROVE MC CABLE AT EXPOSED AREAS.

CONCEALED EMT CONDUIT WITH THW WIRE (3)#12AWG, (1)#10AWG NEUTRAL ⅜"C MINIMUM. MC CABLE ACCEPTABLE AT CONCEALED LOCATIONS. OWNER & ARCHITECT TO APPROVE MC CABLE AT EXPOSED AREAS.

STUBBED CONDUIT WITH PLASTIC BUSHING

UNDERGROUND CAPPED CONDUIT

PULL BOX SIZED PER NEC CODE

SEAL FITTING INSTALLED PER PLANS

MOTOR (PROVIDED BY OTHERS)

JUNCTION BOX

WALL MOUNTED JUNCTION BOX

DUPLEX RECEPTACLE MTD 18" AFF TO CENTER
COVER PLATE COLOR: WHITE

DEVICE TYPE		DEVICE COLOR
	STANDARD	WHITE
IG	ISOLATED GROUND	ORANGE WITH TRIANGLE IDENTIFICATION
D	DEDICATED 20A RATED 5-20R	GRAY
GFI	20A GFI RATED	WHITE
UPS	15A OR 20A UPS	GRAY
EG	EMERGENCY	RED
TVSS	80-150 JOULE TVSS	BLUE

LAB AREA DEVICE TYPES
100% OF ALL LAB RECEPTACLES TO BE 20A RATED 5-20R WITH STAINLESS STEEL COVERPLATES

L5-20R 120V RECEPTACLE
NEMA CONFIGURATION AS NEEDED

DOUBLE DUPLEX RECEPTACLE MTD 18" AFF TO CENTER SCHEDULE AS NOTED ABOVE

SPLIT WIRED 15A ½HOT, ½ SWITCHED OUTLET
COLOR: WHITE

SURFACE MOUNTED DUPLEX RECEPTACLE
PROVIDE CAST BOX AND STAINLESS STEEL COVER PLATE

SURFACE MOUNTED DOUBLE DUPLEX RECEPTACLE
PROVIDE CAST BOX AND STAINLESS STEEL COVER PLATE

208V/1Φ RECEPTACLE
NEMA CONFIGURATION AS NOTED

208V/3Φ RECEPTACLE
NEMA CONFIGURATION AS NOTED

SURFACE MOUNTED 208V/3Φ RECEPTACLE
NEMA CONFIGURATION AS NOTED

FLOOR BOX WITH DOUBLE DUPLEX RECEPTACLE AND SINGLE GANG TEL/DATA RECEPTACLE

FLOOR BOX WITH DUPLEX RECEPTACLE AND SINGLE GANG TEL/DATA RECEPTACLE

SPECIALTY FLOOR BOX PER PLANS
MULTIPLE GANG BOX. SEE SPECS

POKE THROUGH WITH DOUBLE DUPLEX RECEPTACLE AND SINGLE GANG TEL/DATA RECEPTACLE

POKE THROUGH WITH DUPLEX RECEPTACLE AND SINGLE GANG TEL/DATA RECEPTACLE

SPECIALTY POKE THROUGH PER PLANS
MULTIPLE GANG BOX. SEE SPECS

PEDESTAL MOUNTED DOUBLE DUPLEX RECEPTACLE
MANUF: HUBBELL #A6688 W/STAINLESS STEEL COVER PLATES

PEDESTAL MOUNTED DUPLEX RECEPTACLE
MANUF: HUBBELL #A6686 W/STAINLESS STEEL COVER PLATES

ROOF MOUNTED WEATHERPROOF, GFI WORK OUTLET
PROVIDE CAST BOX W/STAINLESS STEEL WP COVER

EXTERNALLY OPERATED FUSED DISCONNECT SWITCH
PROVIDE PER NEMA RATING REQUIRED

COMBINATION FVNR MAGNETIC MOTOR STARTER AND DISCONNECT
RATING AND POLES AS INDICATED. PROVIDE WITH OVERLOAD PER HORSEPOWER REQUIREMENTS, CPT, H.O.A. WITH PILOT LIGHTS
PROVIDE WITH (1) EACH N.O. AND N.C. AUX CONTACTS

FVNR MAGNETIC STARTER WITH OVERLOAD
PER HORSEPOWER REQUIREMENTS, CPT, H.O.A. WITH PILOT LIGHTS
PROVIDE WITH (1) EACH N.O. AND N.C. AUX CONTACTS

VARIABLE FREQUENCY DRIVE(PROVIDED BY OTHERS)

WALL MOUNTED UTILITY METER AND SERVICE DISCONNECT

FLUSH MOUNTED PANELBOARD

SURFACE MOUNTED PANELBOARD

SURFACE MOUNTED LIGHTING CONTROL PANEL, U.O.N.

FLUSH MOUNTED LIGHTING DIMMING PANEL, U.O.N.

DUAL CHASE POWER POLE

POWER SYMBOLS

LIGHTING CONTROL PANEL SEE CONTROL DETAIL AND SCHEDULES FOR MORE INFORMATION

PUSH BUTTON LOW VOLTAGE OVERRIDE CONTROL SWITCH

ZONE CONTROLLED (UPPER CASE LETTER DENOTES ZONE CONTROLLED)

SWITCH LEG CONTROLLED (LOWER CASE LETTER DENOTES SWITCH LEG CONTROLLED)

FIXTURE CALLOUT:

NUMBER → FIXTNO
VOLTAGE → 277V
WATTAGE → 32

MOUNTING TYPE:
R RECESSED
S SURFACE
P PENDANT
PT POLE TOP
CH CHAIN HUNG

ALL INTERIOR OFFICES SHALL BE PROVIDED WITH DECORA TYPE SWITCHES, SINGLE POLE 20A, MTD 48" AFF TO TOP DESIGNATED TO CONTROL LIGHTING IN CIRCUIT LEGS.
DEVICE: WHITE COVER PLATE: WHITE

2- DOUBLE POLE
3- THREE WAY
4- FOUR WAY
PL - PILOT LIGHT
T - ROTARY TIMER
K - KEYED SWITCH
M - HORSEPOWER RATED MOTOR SWITCH
MTO - MAN. MOTOR STARTER W/THERMAL OVERLOADS
DIM - LOAD RATED DIMMER
PB - PUSH-BUTTON

LAB AREA DEVICE TYPES
100% OF ALL LAB WALL SWITCHES TO BE 6PST TYPE WITH STAINLESS STEEL COVERPLATES

WALL MOUNTED MOTION CONTROLLED LIGHTING SWITCH WITH INTEGRAL BI-LEVEL SWITCHING, ULTRASONIC TYPE SEE DETAILS FOR DESCRIPTIONS
DEVICE: WHITE MTD 48" AFF TO TOP

MOTION SENSOR MOTION CONTROLLER SEE DETAILS FOR DESCRIPTIONS

CEILING MOUNTED ULTRASONIC MOTION SENSOR. SEE PLANS FOR DIRECTIONS
DEVICE: WHITE

POLE MOUNTED LIGHT FIXTURE. REFER TO FIXTURE SCHEDULE

EXTERIOR WALL PACK FIXTURE REFER TO FIXTURE SCHEDULE

EXIT SIGN WITH 90 MINUTE BATTERY PACK. REFER TO FIXTURE SCHEDULE

LOW LEVEL EXIT SIGN WITH 90MIN BATTERY PACK MTD 18" AFF TO CENTER. REFER TO FIXTURE SCHEDULE.

RECESSED FIXTURE IN T-BAR CEILING REFER TO FIXTURE SCHEDULE

SURFACE FIXTURE PER PLAN REFER TO FIXTURE SCHEDULE

SURFACE STRIP LED. REFER TO FIXTURE SCHEDULE

EGRESS LIGHTING WITH 90 MINUTE BATTERY PACK. REFER TO FIXTURE SCHEDULE

LIGHTING SYMBOLS

1. ALL CONDUCTORS SHALL BE STRANDED COPPER FOR SIZES ABOVE #10AWG. CONDUCTORS #10AWG AND SMALLER SHALL BE SOLID. AC CABLE IS NOT ALLOWED AND SHALL NOT BE INSTALLED. AN EQUIPMENT GROUND CONDUCTOR SHALL BE INSTALLED IN ALL FLEXIBLE CONDUITS. ALL BRANCH CIRCUITS SHALL BE INSTALLED WITH A GREEN GROUND CONDUCTOR. ALL BRANCH CIRCUITS OVER 60' SHALL USE A MINIMUM OF #10AWG CONDUCTORS.
2. ELECTRICAL CONTRACTOR TO REVIEW OTHER DISCIPLINE DRAWINGS AND INDICATE CONFLICTS OF CONDUIT ROUTING, UNDERGROUND COORDINATION AND CEILING HEIGHT CONFLICTS.
3. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF EXISTING SPACES ADJACENT TO WORK DURING THE COURSE OF DEMOLITION AND NEW WORK. ALL REPAIRS OF DAMAGED AREAS ARE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
4. ALL ELECTRICAL DEVICES, EQUIPMENT, AND LIGHT FIXTURES SHALL BE INSTALLED PER CALIFORNIA A.D.A. REQUIREMENTS.
5. ALL ELECTRICAL AND TEL/DATA CONDUIT AND RELATED FITTINGS SHALL BE CONCEALED. ANY LOCATIONS IN PUBLIC VIEW SHALL BE BROUGHT TO THE ATTENTION OF THE ELECTRICAL ENGINEER AND APPROVED PRIOR TO INSTALLATION. ALL CONDUIT RUNS SHOWN ARE DIAGRAMMATIC, COORDINATE ALL CONDUIT RUNS WITH OTHER DISCIPLINES.
6. ELECTRICAL WORK INSTALLED UNDER THIS PERMIT TO COMPLY WITH 2020 CALIFORNIA ELECTRICAL CODE, LOCAL AND STATE ENERGY STANDARDS AND ALL OTHER APPLICABLE CODES.
7. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL WEATHERPROOF DEVICES, JUNCTION BOXES, FITTINGS, CONDUIT AND PULLBOXES AT ALL DAMP AND WET LOCATIONS.
8. ELECTRICAL CONTRACTOR SHALL COORDINATE REQUIRED ELECTRICAL SHUTDOWNS WITH OWNER 7 DAYS PRIOR TO SHUTDOWN. ALL SCHEDULED UTILITY SHUTDOWNS SHOULD BE SCHEDULED FOR AFTER HOURS WORK FOR OCCUPIED BUILDINGS. THE CONTINUITY OF POWER FOR AREAS OUTSIDE THE PERMITTED WORK SHALL BE MAINTAINED UNLESS A SHUTDOWN IS SCHEDULED.
9. ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS PRIOR TO BID COMPLETION.
10. ELECTRICAL CONTRACTOR SHALL COORDINATE REQUIRED UTILITY METER APPLICATIONS AND ASSIST OWNER FOR PROPER METER RELEASE SCHEDULE.
11. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL REQUIRED MATERIALS FOR JOB COMPLETION. ELECTRICAL CONTRACTOR SHALL COORDINATE PROCUREMENT OF LONG LEAD ITEMS, AND COORDINATE STORAGE OF MATERIALS TO AVOID DAMAGE PRIOR TO INSTALLATION.
12. ALL EMPTY CONDUITS ARE TO BE PROVIDED WITH PULL ROPES. LABEL EACH END OF CONDUIT TO INDICATE EXACT DESTINATION.
13. ELECTRICAL PANELS SHALL NOT BE LOCATED WITHIN FIRE-RATED CORRIDORS.
14. ALL MATERIALS USED UNDER THIS PERMIT SHALL BE NEW AND BEAR THE APPROPRIATE UL LABEL. USED OR RE-CONDITIONED MATERIALS ARE PROHIBITED.
15. ALL PERMANENTLY INSTALLED EQUIPMENT SHALL BEAR A UL LABEL OR NATIONALLY RECOGNIZED TESTING AGENCY CERTIFICATION.
16. PROVIDE AND INSTALL CLEAR ADHESIVE LABELS INDICATING PANEL AND CIRCUIT NUMBER ON ALL OUTLETS AND SWITCHES, LETTER HEIGHT TO BE 1/4"
17. PROVIDE 120V CONNECTION TO DOOR HARDWARE/CONTROLLER AS REQUIRED. COORDINATE FINAL REQUIREMENTS WITH HARDWARE AND SECURITY VENDORS.
18. ALL MULTIWIRE BRANCH CIRCUITS SHALL BE INSTALLED WITH AN IDENTIFIED HANDLE TIE OR A 2-POLE/3-POLE CIRCUIT BREAKER PROVIDES THE REQUIRED SIMULTANEOUS OPENING OF THE UNGROUNDED CONDUCTORS PER NEC 240.15 (B)
19. ALL OUTLET DEVICES TO HAVE CLEAR ADHESIVE LABEL INDICATING PANEL AND CIRCUIT NUMBER ON INSIDE OF BOX AND OUTSIDE OF COVERPLATE.
20. ALL GFCI RECEPTACLES TO BE INSTALLED PER NEC 210.8. IF EQUIPMENT IS TO BE INSTALLED IN FRONT OF A GFCI RECEPTACLE, PROVIDE DEAD-FRONT GFCI IN READILY ACCESSIBLE LOCATION FEEDING A STANDARD OUTLET AND LABEL THE OUTLET WITH EQUIPMENT NAME TAG.
21. ALL CONDUIT SHALL BE CONCEALED TO THE MAXIMUM EXTENT POSSIBLE. IN EXPOSED CEILINGS OR AREAS WHERE THE CONDUIT CANNOT BE CONCEALED, CONTRACTOR TO USE EMT AND COORDINATED WITH ARCHITECT FOR ROUTING REQUIREMENTS.

GENERAL NOTES

DATA OUTLET WITH TRIM RING, PULL STRING TO ACCESSIBLE CEILING SPACE. +18" A.F.F. TO CENTER

TELEPHONE OUTLET WITH TRIM RING, PULL STRING TO ACCESSIBLE CEILING SPACE. +18" A.F.F. TO CENTER

TELECOMMUNICATIONS OUTLET WITH TRIM RING, PULL STRING TO ACCESSIBLE CEILING SPACE. +18" A.F.F. TO CENTER

TELECOMMUNICATIONS OUTLET WITH TRIM RING, PULL STRING WITH (1) 1" FLEX CONDUIT TO . ACCESSIBLE CEILING SPACE. +18" A.F.F. TO CENTER

TELECOMMUNICATION OUTLET FLUSH FLOOR MOUNTED ON FIRE RATED POKE-THRU.

TELECOMMUNICATIONS CONDUIT ONLY, 1"C.O. U.O.N.

SPEAKER BACK BOX LOCATION

INTERCOM J-BOX LOCATION

ELECTROMAGNETIC DOOR HOLDER

INTERCOM LOCATION

CARD READER

ELECTRIC DOOR STRIKE

¾" FIRE RATED PLYWOOD BACKBOARD WITH #6AWG GROUND TO BUILDING SYSTEM GROUND.

CLOSED SIDE CABLE TRAY PER PLANS. COORDINATE ROUTING WITH OTHER DISCIPLINES

OPEN LADDLER CABLE TRAY PER PLANS. COORDINATE ROUTING WITH OTHER DISCIPLINES

TEL/DATA SYMBOLS

Sheet List Table	
Sheet Number	Sheet Title
E001	NOTE SHEET
E002	LIGHTING DETAIL SHEET
E100	OVERALL SITE PLAN
E101	SITE ELECTRICAL PLAN - 1
E102	SITE ELECTRICAL PLAN - 2
E103	SITE ELECTRICAL PLAN - 3
E104	SITE ELECTRICAL PLAN - 4
E105	SITE ELECTRICAL PLAN - 5
E201	SINGLELINE DIAGRAM
ET01	TITLE 24

SHEET INDEX

RIVER PARK 100% CONSTRUCTION DOCUMENTS 04/30/2026

FOR CITY USE ONLY

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

COA BM 5A-30A
BROADWAY & OLIVE STREET
ELEVATION = 160.04' (NAVD-88)

mpe consulting
MECHANICAL . ELECTRICAL . PLUMBING
10807 Thornmint Rd.
San Diego, CA 92127
p: 858.673.4445
www.mpeconsulting.com

REGISTERED PROFESSIONAL ENGINEER — VINCENT MICHAEL TAMAYO — No. E-18377 — Exp. 6-30-26 — ELECTRICAL — STATE OF CALIFORNIA

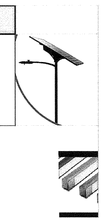
24-447

NOTE SHEET		E001
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806		BLD2025-04799
		SHEET 46 OF 62
SCALE: SCALE PER SHEET	DRAWN BY: VM,TF	CHECKED BY: JO
CITY OF ANAHEIM		D-XXX

PLOT DATE: 4/30/2026

NOT USED | 7

TYPE	MOUNTING	DESCRIPTION	MANUFACTURER	PART NUMBER	SOURCE	INITIAL LUMENS	EGRESS LUMENS	COLOR TEMP	MIN. CRI	VOLTAGE	INPUT WATTS	DIMMING	NOTES
P1	POLE	**PEDESTRIAN POLE LIGHT:'SOL EVERGEN'** SOLAR LIGHT WITH LITHIUM BATTERY BACKUP. BRONZE FINISH. TYPE 2 DISTRIBUTION. 10 YEAR LIMITED WARRANTY. MOUNT ON 15' SQUARE POLE WITH 8" HORIZONTAL ARM.	SUNNA DESIGN	**FIXTURE:** ATBMic-P104-SOLAR-R2-3K-DDB **POLE & ARM:** UMS-XX **SYSTEM:** EVG2-L-2028-LGSGL-300-15D-BZ-SW	SOLAR/ BATTERY	4,959 LM		3000K	80	/	36W	BLUETOOTH	



SEE MONUMENT PACKAGE FOR DETAILS.

FIXTURE LIST | 6

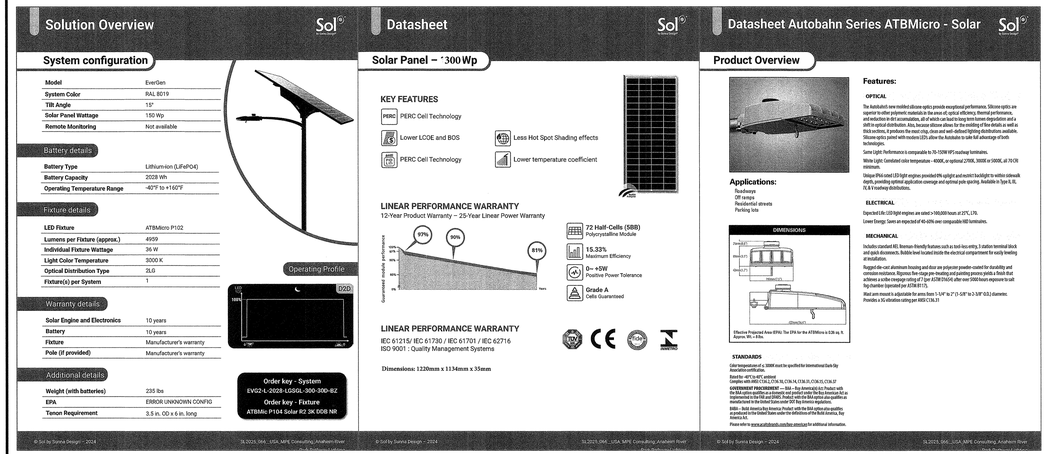
SEQUENCE OF OPERATIONS

SEQUENCE OF OPERATIONS	OCCUPANCY SENSOR: OCCUPANCY MODE (AUTO ON)	OCCUPANCY SENSOR: VACANCY MODE	OCCUPANCY SENSOR: DUAL TECHNOLOGY	OCCUPIED LEVEL (2)	OCCUPANCY SENSOR: PARTIAL OFF: TIME OF LAST DETECTED OCCUPANCY (MINUTES)	OCCUPANCY SENSOR: PARTIAL OFF: UNOCCUPIED DIM LEVEL (2)	OCCUPANCY TIME DELAY (MINUTES)	TIME CLOCK: SCHEDULE ON TIME	TIME CLOCK: SCHEDULE OFF TIME	TIME CLOCK: SCHEDULE OVERRIDE SWITCH	WALL SWITCH: MANUAL (ON/OFF)	WALL SWITCH: MANUAL DIMMING	WALL SWITCH: KEY SWITCH	WALL SWITCH: SCENE CONTROL	DAYLIGHT SENSOR: DIMMING (IF APPLICABLE)	OTHER: PLUG LOAD CONTROL (IF APPLICABLE)	NOTES
BREAKROOMS/KITCHENS	X		X	100	7.5	10	10				X	X			X	X	
CLASSROOMS	X		X	70	7.5	10	10				X	X		X	X		
CONFERENCE ROOMS	X		X	70	7.5	10	10				X	X		X	X	X	
COPY ROOMS	X		X	70	7.5	10	10				X	X			X	X	
CORRIDORS/STAIRWELLS	X			100	7.5	50	10				X	X	X		X		1
EXTERIOR				100				DUSK	DAWN								
LABS	X		X	100	17.5	10	20				X	X			X		
MULTIPURPOSE ROOMS	X		X	70	7.5	10	10				X	X			X		
OPEN OFFICE AREAS	X		X	100	7.5	10	10				X	X			X	X	
PARKING GARAGE	X			100	10	50	10 @ 5				X	X			X		
RESTAURANTS/STORES				100		10		TBD	TBD	X	X	X		X	X		2
RESTROOMS	X		X	70	7.5	10	10				X	X	X		X		
SMALL OFFICES <250 SQ FT	X		X	70	7.5	10	10				X	X			X	X	
STORAGE ROOMS >100 SQ FT	X			100	7.5	10	10				X	X			X		
WAREHOUSES	X			100	10	50	10 @ 5	TBD	TBD		X	X			X		

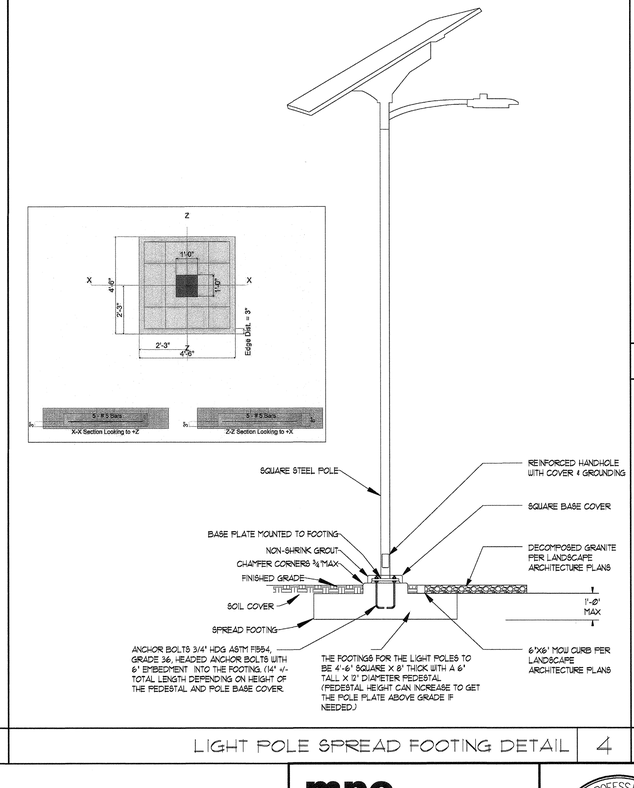
NOTES:

1. DURING OPERATIONAL HOURS THE LIGHTING DIM LEVEL WILL GO TO 50% AFTER 15 MINUTES OF NO OCCUPANCY. OUTSIDE OF OPERATIONAL HOURS THE DIM LEVEL WILL GO TO 50% AFTER 15 MINUTES OF NO OCCUPANCY, AND THEN AFTER A TOTAL OF 10 MINUTES OF NO OCCUPANCY. THE LIGHTS WILL TURN OFF. OWNER TO VERIFY TIME SCHEDULES.
2. 5 MINUTES BEFORE THE LIGHTING IS SCHEDULED TO TURN OFF THE LIGHTS WILL TURN OFF FOR 1 SECOND AND THEN GO BACK TO ITS PERVIOUS DIMMING LEVEL. THIS BLINK WARNING PREVENTS FALSE OFFS AND GIVES AUTHORIZED PERSONNEL A WARNING TO PRESS WALL SWITCH TO ACTIVATE A 2-HOUR OVERRIDE. OWNER TO VERIFY TIME SCHEDULES.

TITLE 24 SEQUENCE OF OPERATIONS | 1



SOLAR LIGHT SPECIFICATION | 5



LIGHT POLE SPREAD FOOTING DETAIL | 4

1. ALL POLES TO HAVE A SPREAD FOOTING.
2. POLE LIGHT LOCATIONS SUPERSEDE PROPOSED TREE LOCATIONS. ALL POLETOP/TREE CONFLICTS TO BE REPORTED TO THE GENERAL CONTRACTOR PRIOR TO POLE BASE DRILLING. COORDINATE TREE LOCATIONS WITH LANDSCAPE ARCHITECT.
3. ELECTRICAL CONTRACTOR TO COORDINATE POLE LOCATIONS WITH CIVIL WET UTILITIES. CONFLICTS TO BE REPORTED TO THE GENERAL CONTRACTOR PRIOR TO POLE BASE DRILLING.
4. GENERAL CONTRACTOR MUST SETUP ON-SITE COORDINATION MEETING WITH LANDSCAPE ARCHITECT, ELECTRICAL ENGINEER AND ELECTRICAL CONTRACTOR FOR ROUGH-IN AND FINAL PLACEMENT OF ALL SITE RELATED LIGHTING LOCATIONS. MEETING TO OCCUR PRIOR TO COMMENCEMENT OF WORK.

LIGHTING GENERAL NOTES | 2

CONTROL OF EXTERIOR LIGHTS
OUTDOOR LIGHTING SHALL BE INDEPENDENTLY CONTROLLED FROM OTHER ELECTRICAL LOADS, AND THE CONTROLS FOR OUTDOOR LIGHTING SHALL MEET THE FOLLOWING FUNCTIONAL REQUIREMENTS:

DAYLIGHT AVAILABILITY: PHOTO CONTROL, ASTRONOMICAL TIME-SWITCH CONTROL OR OTHER CONTROL CAPABLE OF AUTOMATICALLY SHUTTING OFF THE OUTDOOR LIGHTING WHEN DAYLIGHT IS AVAILABLE, OR:

AUTOMATIC SCHEDULE CONTROL, OR:

MOTION SENSING CONTROLS.

TITLE 24 MANDATORY NOTES

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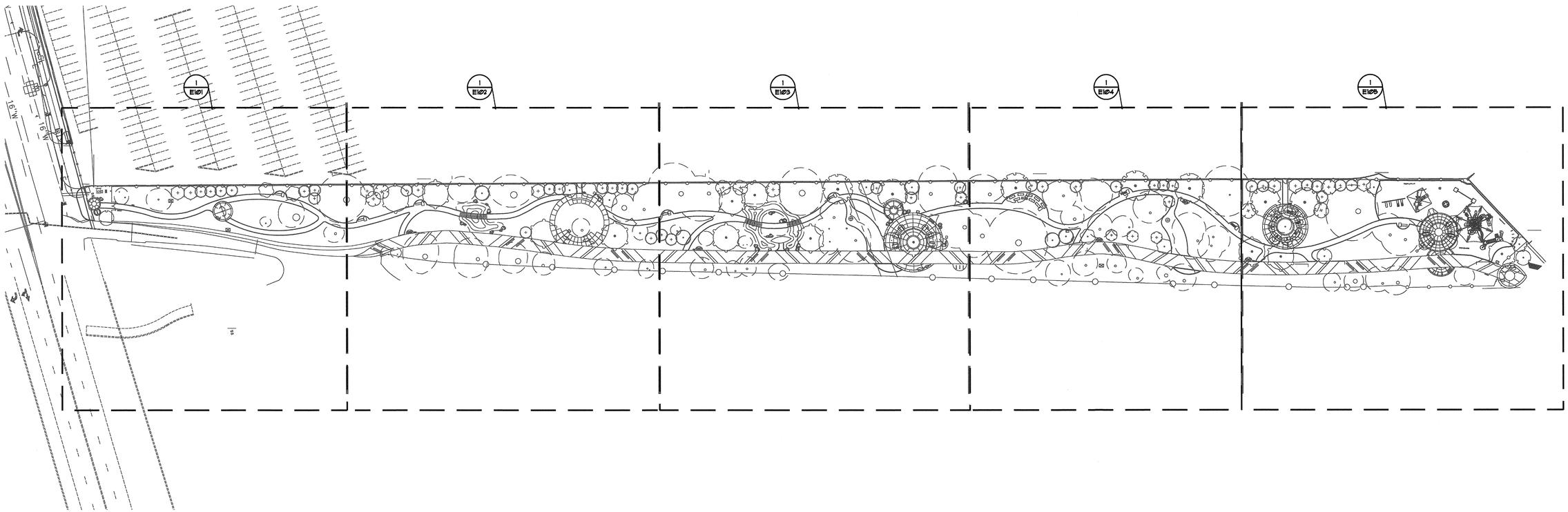
COA BM 5A-30A
BROADWAY & OLIVE STREET.
ELEVATION = 160.04' (NAVD-88)

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REGISTERED PROFESSIONAL ENGINEER
018377
Exp. 6-30-26
ELECTRICAL
STATE OF CALIFORNIA
24-447

LIGHTING DETAIL SHEET		E002
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806		BLD2025-04799 SHEET 47 OF 62
SCALE: SCALE PER SHEET	DRAWN BY: VM,TF	CHECKED BY: JO
CITY OF ANAHEIM		D-XXX

PLOT DATE: 4/30/2026



LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- SEWER LINE EASEMENT
- GWR EASEMENT

0 25 50 100

SCALE : 1" = 50'-0"

NORTH

OVERALL SITE PLAN

SCALE: 1/5Ø' = 1'-Ø' | 1

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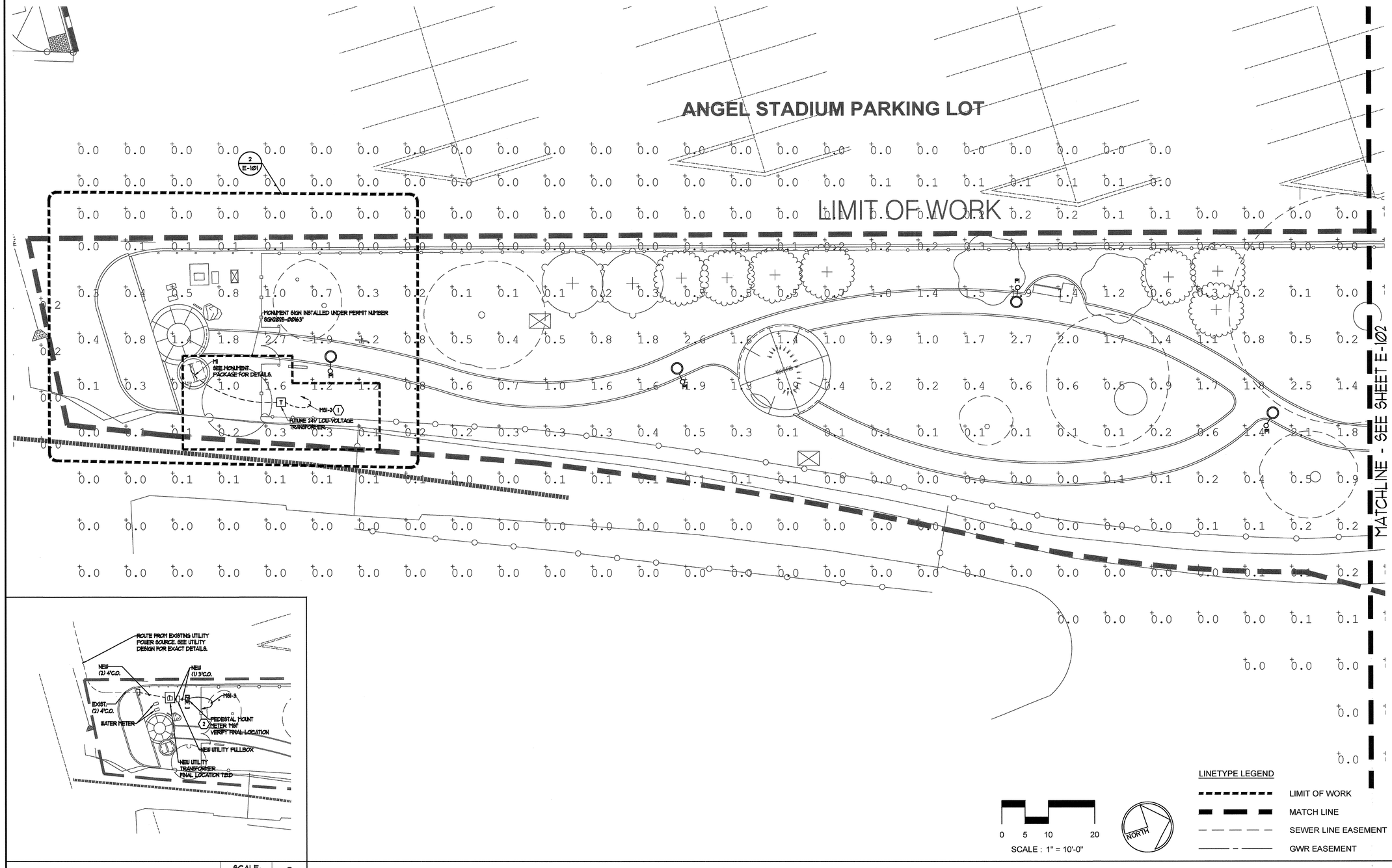
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REGISTERED PROFESSIONAL ENGINEER
JAMES L. PEARCE
No. 018577
Exp. 6-30-26
ELECTRICAL
STATE OF CALIFORNIA

24-447

OVERALL SITE PLAN	E100
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799 SHEET 48 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: VM,TF	CHECKED BY: JO
CITY OF ANAHEIM	D-XXX

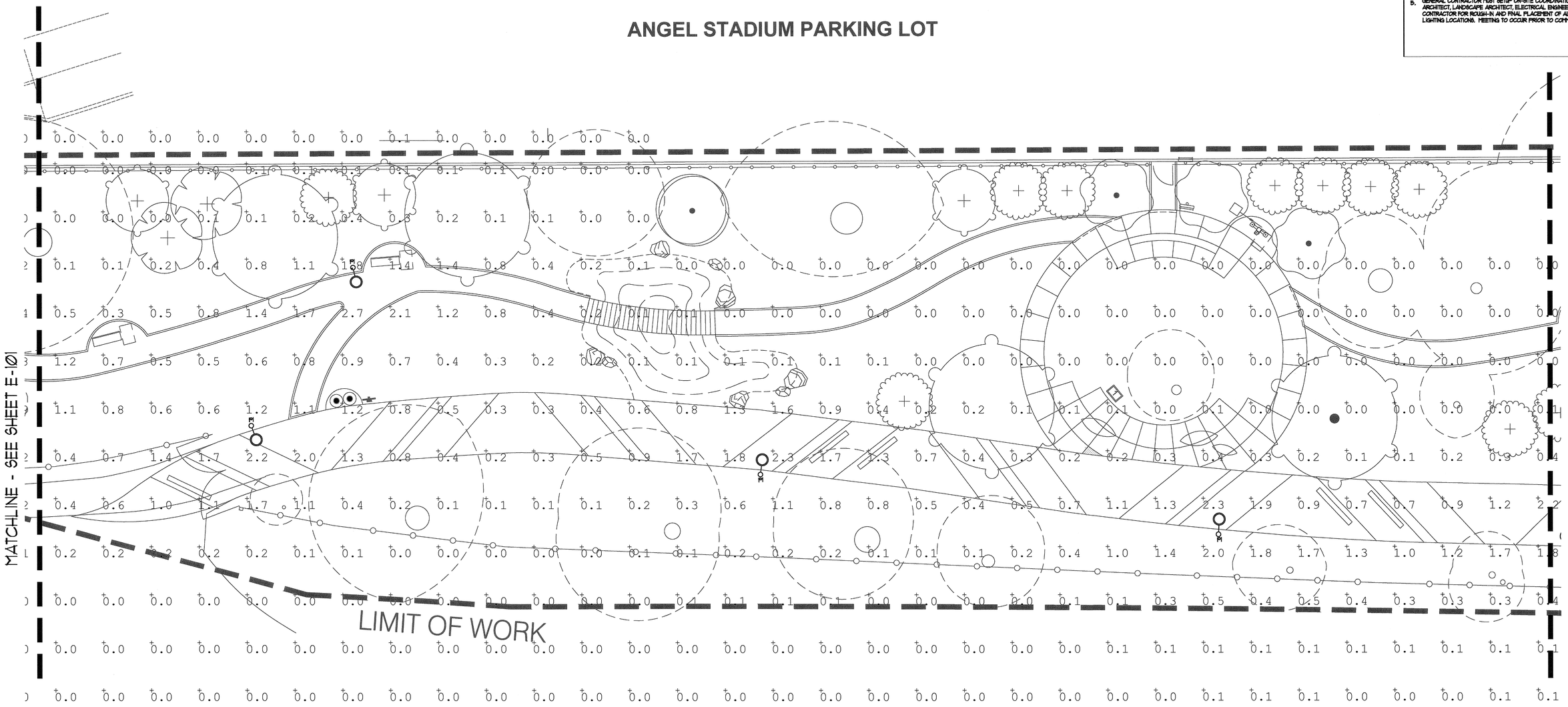
PLOT DATE: 4/30/2026


ANGEL STADIUM PARKING LOT
LIMIT OF WORK
MATCH LINE - SEE SHEET E-102
MONUMENT SIGN INSTALLED UNDER PERMIT NUMBER "BGN2025-00163"
M1
SEE MONUMENT PACKAGE FOR DETAILS.
M1-2
FUTURE 24V LOW-VOLTAGE TRANSFORMER.
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
P12
P13
P14
P15
P16
P17
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P28
P29
P30
P31
P32
P33
P34
P35
P36
P37
P38
P39
P40

ANGEL STADIUM PARKING LOT

GENERAL NOTES:

1. ALL OUTDOOR LIGHT FIXTURES SHALL BE CONTROLLED AN AUTOMATIC LIGHTING CONTROL PANEL. SEE SHEET E0X FOR MORE INFORMATION.
2. ALL POLES TO HAVE A SPREAD FOOTING.
3. POLETOP LOCATIONS SUPERSEDE TREE LOCATIONS. ALL POLETOP/TREE CONFLICTS TO BE REPORTED TO THE GENERAL CONTRACTOR PRIOR TO POLE BASE DRILLING. COORDINATE TREE LOCATIONS WITH LANDSCAPE ARCHITECT.
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LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- SEWER LINE EASEMENT
- GWR EASEMENT

0 5 10 20

SCALE : 1" = 10'-0"

NORTH

SITE ELECTRICAL PLAN - 2

SCALE: 1/10" = 1'-0" | 1

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

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VINCENT MICHAEL MARAS
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ELECTRICAL
STATE OF CALIFORNIA

24-447

SITE ELECTRICAL PLAN - 2	E102
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799
	SHEET 50 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: VM,TF	CHECKED BY: JO
CITY OF ANAHEIM	D-XXX

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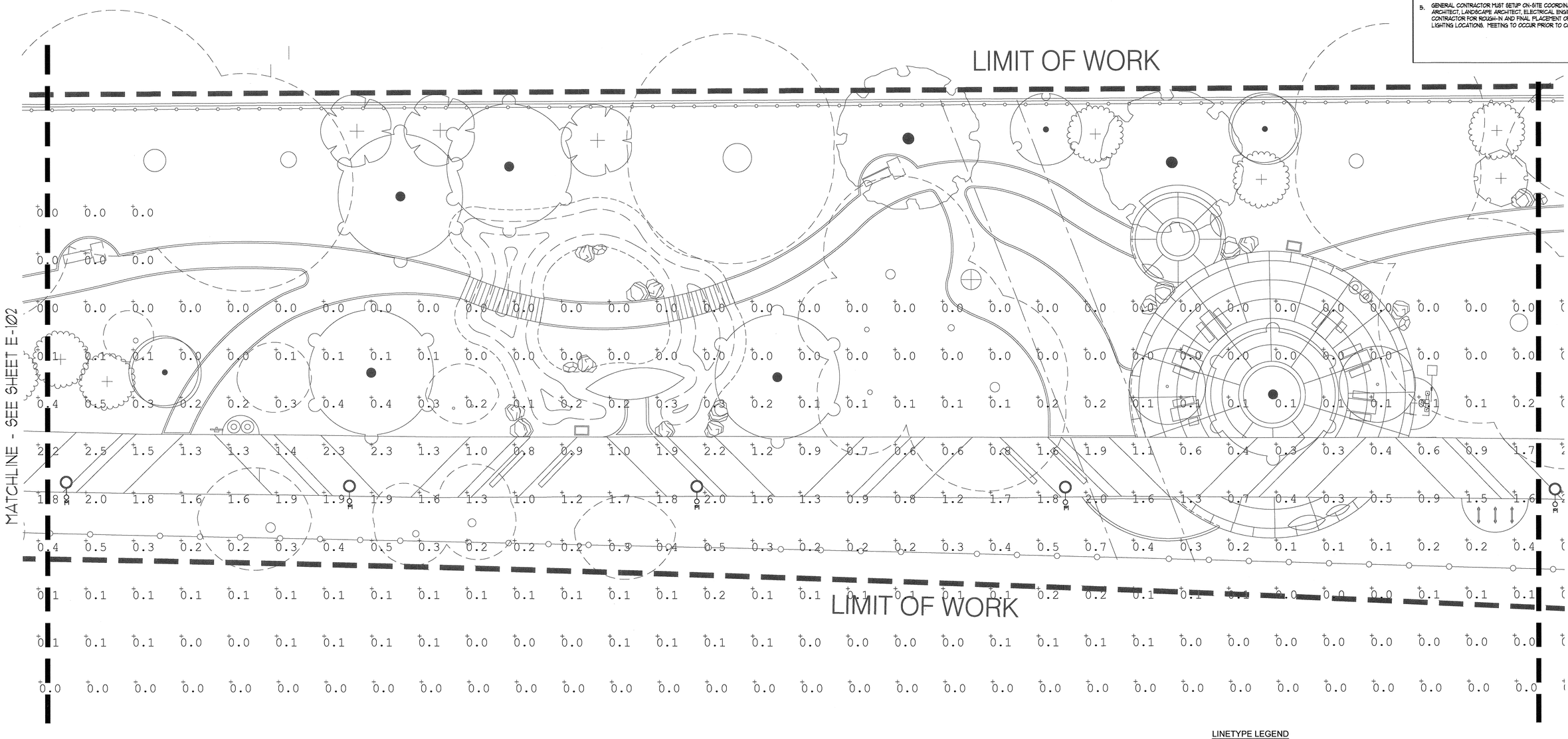
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PLOT DATE: 4/30/2026

GENERAL NOTES:

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ANGEL STADIUM PARKING LOT



LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- SEWER LINE EASEMENT
- GWR EASEMENT

0 5 10 20

SCALE : 1" = 10'-0"

NORTH

SITE ELECTRICAL PLAN - 3

SCALE: 1/10" = 1'-0" | 1

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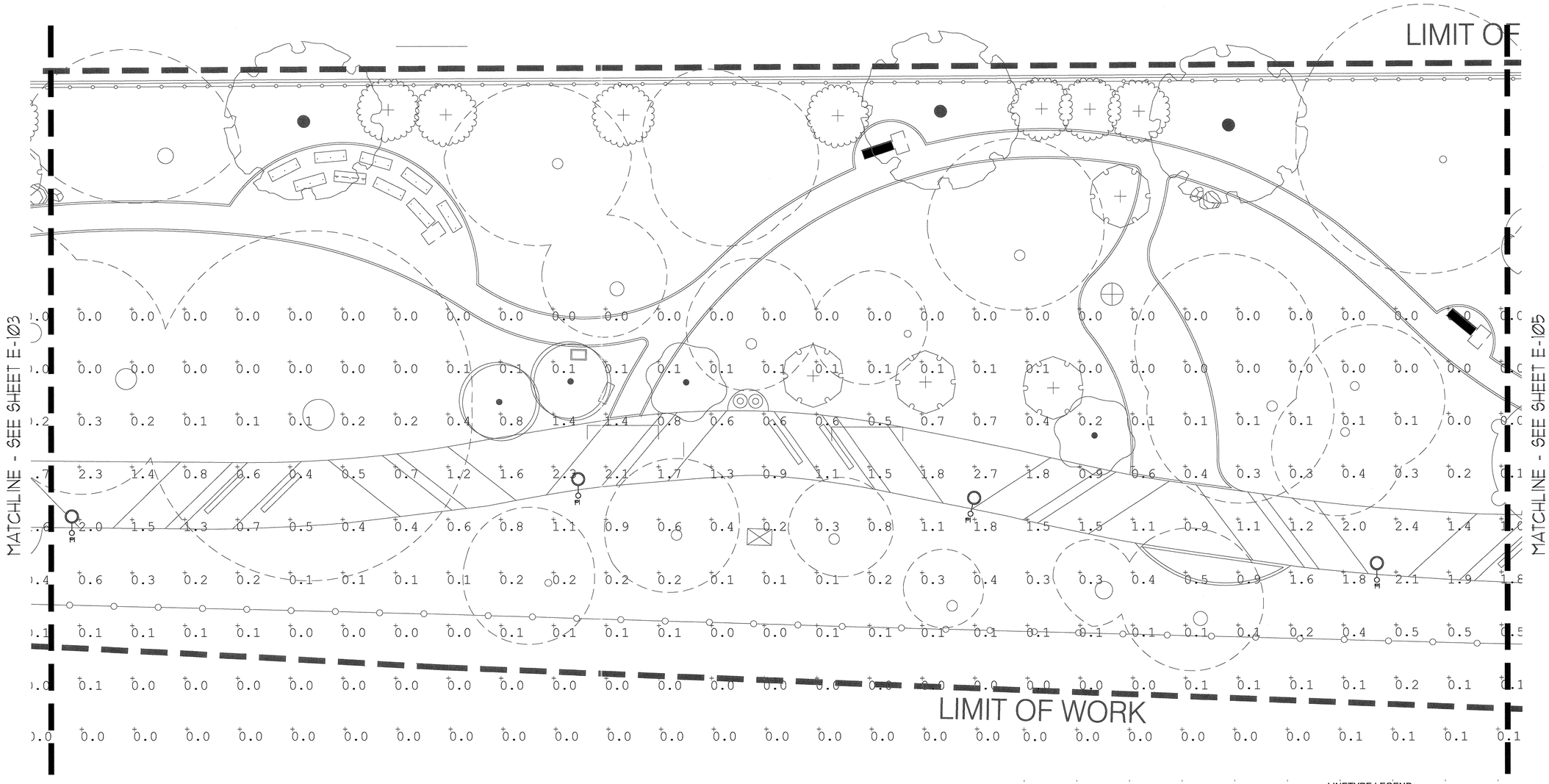
LICENSED PROFESSIONAL ENGINEER — JOSEPH OLIVARES — C018377 Exp. 6-30-26 — ELECTRICAL — STATE OF CALIFORNIA

24-447

SITE ELECTRICAL PLAN - 3	E103
SITE ADDRESS: RIVER PARK, 2445 EAST ORANGEWOOD AVE., ANAHEIM, CA 92806	BLD2025-04799
	SHEET 51 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: VM,TF	CHECKED BY: JO
CITY OF ANAHEIM	D-XXX

PLOT DATE: 4/30/2026

ANGEL STADIUM PARKING LOT



GENERAL NOTES:

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LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- SEWER LINE EASEMENT
- GWR EASEMENT

0 5 10 20

SCALE : 1" = 10'-0"

NORTH

SITE ELECTRICAL PLAN - 4

SCALE: 1/10" = 1'-0"

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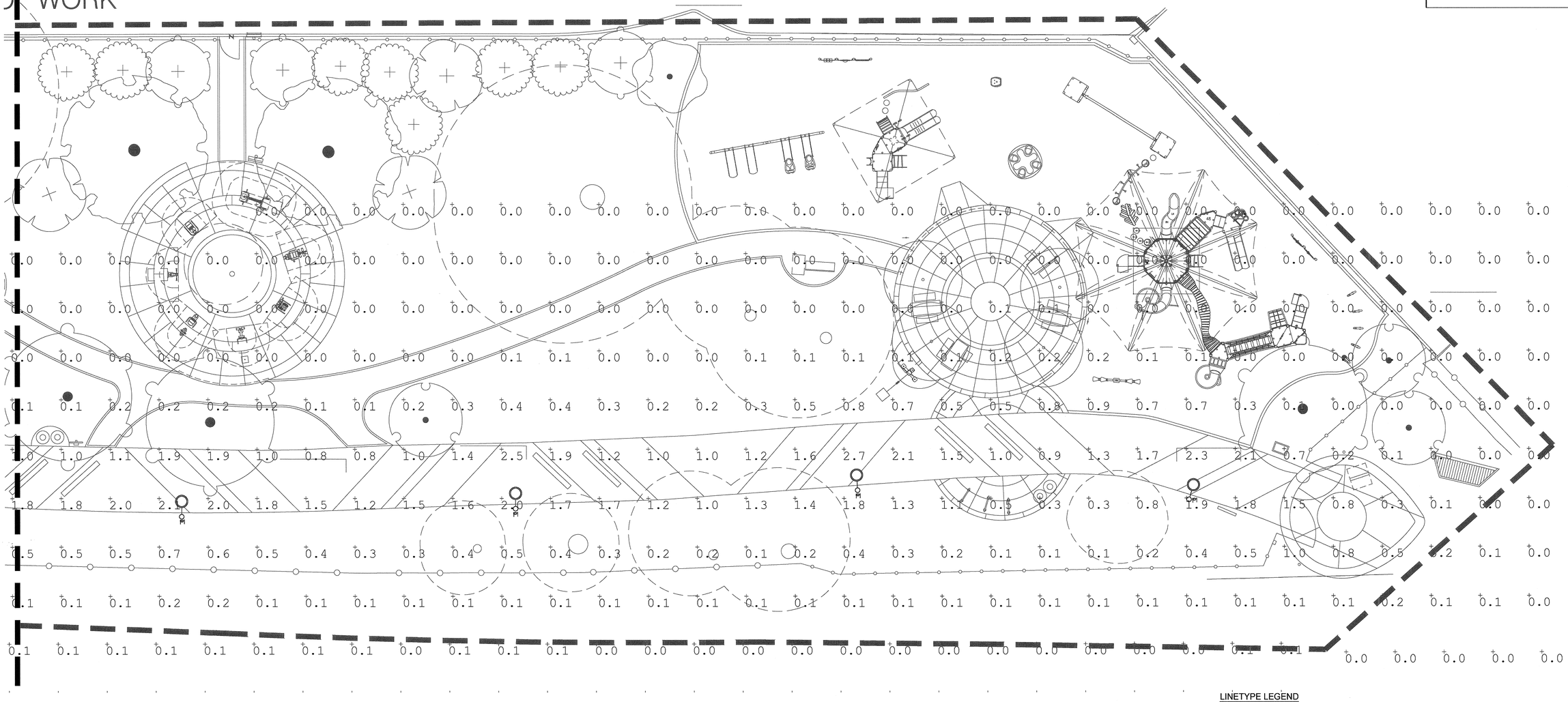
SITE ELECTRICAL PLAN - 4	E104
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799 SHEET 52 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: VM,TF	CHECKED BY: JO
CITY OF ANAHEIM	D-XXX

PLOT DATE: 4/30/2026

GENERAL NOTES:

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OF WORK



LINETYPE LEGEND

- LIMIT OF WORK
- MATCH LINE
- SEWER LINE EASEMENT
- GWR EASEMENT

0 5 10 20

SCALE : 1" = 10'-0"

NORTH

SITE ELECTRICAL PLAN - 4

SCALE: 1/16" = 1'-0"

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REGISTERED PROFESSIONAL ENGINEER
JOSEPH ANTHONY OCAMPO
No. E018377
Exp. 6-30-26
ELECTRICAL
STATE OF CALIFORNIA

24-447

SITE ELECTRICAL PLAN - 5

E105

SITE ADDRESS: RIVER PARK
2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

BLD2025-04799

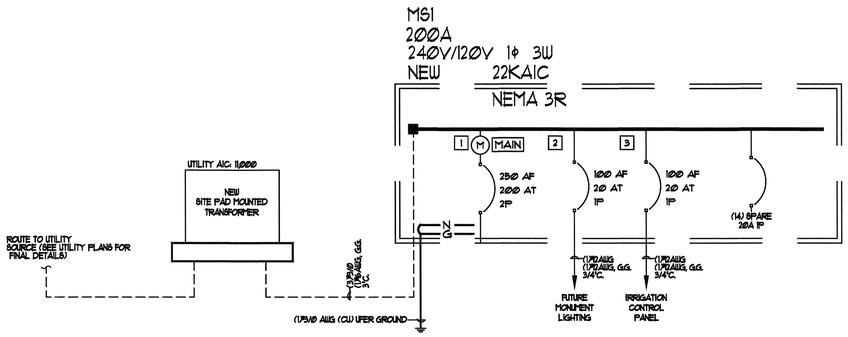
SHEET 53 OF 62

SCALE: SCALE PER SHEET | DRAWN BY: VM,TF | CHECKED BY: JO

CITY OF ANAHEIM

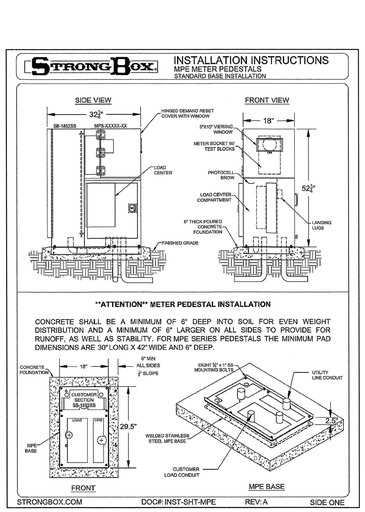
D-XXX

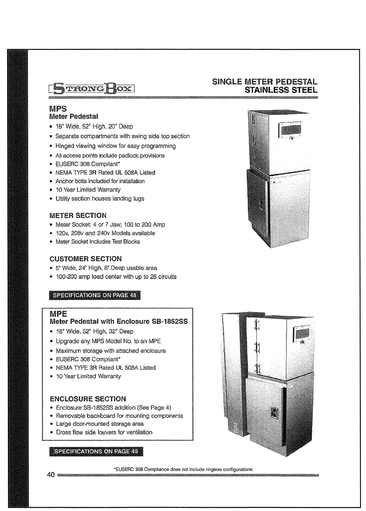
PLOT DATE: 4/30/2026

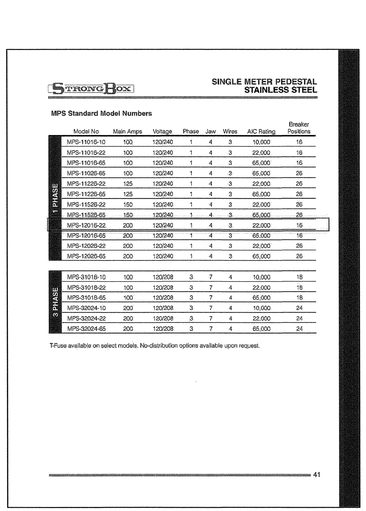


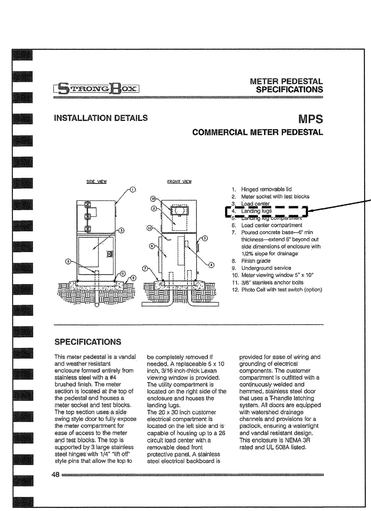
SINGLELINE NOTES

1. VERTICAL BUS MAY BE TAPERED TO NOT LESS THAN 1/3 THE AMPACITY RATING OF THE MAIN HORIZONTAL BUS.
2. HORIZONTAL AND VERTICAL BUS SHALL BE FULL LENGTH, AND BE RATED NO LESS THAN THE NOTED AIC RATED VALUE.
3. CONTRACTOR SHALL SUBMIT SWITCHBOARD SHOP DRAWINGS TO THE SERVING UTILITY FOR APPROVAL PRIOR TO FABRICATION. SWITCHBOARD SHALL COMPLY WITH SDG&E REQUIREMENTS.
4. CONTRACTOR TO SUBMIT 1/4" PLAN TO ENGINEER OF PROPOSED SWITCHGEAR LAYOUT TO CONFORM WITH MANUFACTURER'S SHOP DRAWINGS. SHOP DRAWING TO BE SUBMITTED AND APPROVED PRIOR TO UNDERGROUND ROUGH-IN.
5. ALL FUSES SHALL BE CURRENT LIMITING CLASS RK1, TYPE LPS-RK-SP. (FAST ACTION 600V)
6. ALL CONDUCTORS FEEDING PANELBOARDS SHALL BE COPPER TYPE 'THHN' WITH EMT CONDUIT. BRANCH CIRCUIT AND FEEDER CABLES IN ALL SIZES SHALL HAVE THW, THHN OR THWN INSULATION WITH EMT CONDUIT. AC CABLE IS NOT ALLOWED TO BE INSTALLED. AN EQUIPMENT GROUND CONDUCTOR SHALL BE IN ALL FLEXIBLE CONDUITS. 'XHHW' TO BE USED AT ALL EXTERIOR LOCATION PANEL FEEDERS.
7. ALL EQUIPMENT SHOWN IS NEW UNLESS NOTED OTHERWISE.
8. ALL TRANSFORMERS TO BE PROVIDED TO MEET CALIFORNIA ENERGY COMMISSION APPLIANCE EFFICIENCY REGULATION REQUIREMENTS FOR DRY TYPE 'EE' TRANSFORMERS, PER TABLE 'I' MINIMUM EFFICIENCY RATINGS.
9. EACH TRANSFORMER SHALL USE THE WATER PIPE ELECTRODE WITHIN 5' OF WHERE THE WATER SERVICE ENTERS THE BUILDING. (I.E. BUILDING STEEL, COLD WATER PIPE)
10. ALL TRANSFORMER SECONDARY FEEDER TERMINATIONS SHALL BE MADE WITHIN 10 CABLE FEET OF TRANSFORMER.
11. ALL TERMINATION LUGS OF PANELS AND SWITCHBOARDS TO BE RATED TO ACCEPT 75 DEGREE CONDUCTORS.
12. THE CONTRACTOR SHALL PROVIDE A SERIES RATED SYSTEM TO ENSURE THAT ALL ELECTRICAL COMPONENTS OF THIS SYSTEM EXCEED THE MAXIMUM SHORT CIRCUIT WITHSTAND RATING AVAILABLE. PROPERLY LABEL ALL SWITCHBOARDS AND PANELBOARDS TO DENOTE THE USE OF SERIES RATED DEVICES.
13. ALL MAIN SERVICE CIRCUIT BREAKERS SHALL BE 100% RATED.
14. SERVICE GROUND FAULT SHALL BE TESTED AS PER SAN DIEGO AREA ELECTRICAL BULLETIN 230-5B. CONTRACTOR TO PROVIDE MAKE AND MANUFACTURER OF ASSOCIATED BREAKERS TO ALLOW ENGINEER TO CALCULATE MAIN BREAKER AND GFI SETTINGS TWO WEEKS PRIOR TO THIRD PARTY TESTING.
15. PROVIDE AND INSTALL BARE COPPER GROUNDING 5/8" ELECTRODE AS INDICATED WITH A MINIMUM OF 10' LENGTH ENCASED IN BUILDING FOOTING. PROVIDE BONDED CONNECTION TO BUILDING STEEL. REBAR SHALL NOT BE USED AS GROUNDING ELECTRODE.
16. PROVIDE AND INSTALL A PERMANENT RED ENGRAVED PHENOLIC SIGN AT THE MAIN DISTRIBUTION BOARD INDICATING THE PRESENCE OF A STANDBY DIESEL GENERATOR SET LOCATED ON THIS SITE. SHOW ENGRAVED GRAPHICALLY THE LOCATION OF THE GENERATOR SET AND MAIN DISTRIBUTION ROOM.
17. ELECTRIC ROOMS CONTAINING SERVICES OF 800AMPS OR LARGER SHALL HAVE DOORS THAT OPEN OUTWARD AND BE EQUIPPED WITH PANIC BARS, PRESSURE PLATES, OR OTHER DEVICES THAT ARE NORMALLY LATCHED BUT OPEN UNDER SIMPLE PRESSURE.
18. ALL MULTIWIRE BRANCH CIRCUITS SHALL BE INSTALLED WITH DEDICATED NEUTRALS ROUTED IN HOMERUN TO THE PANEL FOR EACH CIRCUIT BEING UTILIZED PER NEC 2008 SECTION 210.4.
19. IF RELOCATING ANY ELECTRICAL PANELS, INTERCEPT AND EXTEND EXISTING BRANCH CIRCUITS AS NECESSARY.
20. PROVIDE COMPLETE ARC FLASH ANALYSIS AND ARC FLASH LABELING WITH PROPER CAL/CM2 VALUES AND EXACT APPROACH BOUNDARIES. STANDARD ARC FLASH WARNING LABELS WILL NOT BE ACCEPTED UNLESS CALCULATED SPECIFICALLY FOR THIS SYSTEM. STUDY AND LABELING WILL INCLUDE ALL SWITCHBOARDS, TRANSFORMERS, PANELS AND FUSE SWITCHES FOR EXISTING AND NEW SYSTEM. FOR CLARIFICATION CONTACT (858) 673-4448.









TYPICAL METER PEDESTAL DETAIL

SINGLELINE DIAGRAM

1

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

COA BM 5A-30A
BROADWAY & OLIVE STREET.
ELEVATION = 160.04' (NAVD-88)

mpe consulting
MECHANICAL . ELECTRICAL . PLUMBING
10807 Thornmint Rd.
San Diego, CA 92127
p: 858.673.4445
www.mpeconsulting.com

REGISTERED PROFESSIONAL ENGINEER
JOSEPH ANTHONY OCAMPO
No. E18377
Exp. 6-30-26
ELECTRICAL
STATE OF CALIFORNIA
24-447

SINGLELINE DIAGRAM	E201
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799 SHEET 54 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: VM,TF	CHECKED BY: JO
CITY OF ANAHEIM	D-XXX

RIVER PARK 100% CONSTRUCTION DOCUMENTS 04/30/2026

FOR CITY USE ONLY

PLOT DATE: 4/30/2026

STATE OF CALIFORNIA
Sign Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTS-E
This document is used to demonstrate compliance with requirements in 110.9, 110.12, 130.0/ 160.5, 130.3/ 160.5(a), 140.8/ 170.2(e) and 141.0(b)2M/ 180.2(b)4Bvi for sign lighting scopes using the prescriptive path. Exit signs and traffic signs are not required to comply with prescriptive requirements per exceptions to 140.8/ 170.2(e) and do not need to complete this compliance document.		
Project Name: ANAHEIM RIVER PARK	**Report Page:**	**(Page 1 of 5)**
Project Address: 2445 EAST ORANGEWOOD AVE.	**Date Prepared:**	10/16/2025

A. GENERAL INFORMATION

01	Project Location (city)	ANAHEIM
02	Climate Zone	8
03	Occupancy Types within Project	☐ Healthcare Facility
		☐ Multifamily/ MF Mixed-use >= 4 stories (includes dormitory, senior living)

B. PROJECT SCOPE

This table includes illuminated signs that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.8/ 170.2(e) or 141.0(b)2M/ 180.2(b)4Bvi for alterations. Exit signs and traffic signs are not required to comply with prescriptive requirements per exceptions to 140.8/ 170.2(e) and do not need to complete this compliance document.

01	02	03	04	05
Name or Item Tag	Complete Sign Description	Sign Status[1]	Sign Type	Compliance Method[2]
5	ANAHEIM RIVER PARK SIGN	New	Outdoor	Max Allowed Lighting Power

[1] *FOOTNOTE: Sign alterations that increase the connected lighting load, replace and rewire more that 50% of the ballasts, or relocate the sign to a different location must comply with 140.8/ 170.2(e). See 141.0(b)2M/ 180.2(b)4Bvi for more details.*

[2] *The ENERGY VERIFIED Label compliance method is only applicable if the sign has a permanent, factory-installed, ENERGY VERIFIED label certified by UL or comparable, confirming the sign complies with 140.8/ 170.2(e). Note that using an ENERGY VERIFIED label is an optional compliance path, not a mandatory requirement. See the tooltips for this table for more details.*

STATE OF CALIFORNIA
Sign Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTS-E
Project Name: ANAHEIM RIVER PARK	**Report Page:**	**(Page 2 of 5)**
	Date Prepared:	10/16/2025

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables B through H. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01	02	03		04		05		06	07
Name or Item Tag (See Table B)	Complete Sign Description (See Table B)	Total Allowed (Watts) (See Table F)	≥	Total Designed (Watts) (See Table F)	OR	Compliant Light Sources (See Table G)	OR	ENERGY VERIFIED Label (See Table H)	**Compliance Results**
5	ANAHEIM RIVER PARK SIGN	87.4	≥	70.3	OR		OR		COMPLIES
								Controls Compliance (See Table F/G/H for Details)	COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Sign Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTS-E
Project Name: ANAHEIM RIVER PARK	**Report Page:**	**(Page 3 of 5)**
	Date Prepared:	10/16/2025

F. MAXIMUM ALLOWED LIGHTING POWER AND CONTROLS

This table includes illuminated signs using the Maximum Allowed Lighting Power compliance method per 140.8(a) / 170.2(e) as indicated on Table B of this compliance document. It also demonstrates compliance with mandatory controls requirements from 130.3 / 160.5(d) by indicating control types for each sign.

01	02	03	04	05	06	07	08			09	
							Mandatory Controls			Field Inspector	
Name or Item Tag	Complete Sign Description	Illumination Method	Sign Area (ft²)	Allowed Density (W/ft²)	Allowance (Watts)	Design Watts	Shut-Off	Dimming	Demand Response[1]	Pass	Fail
5	ANAHEIM RIVER PARK SIGN	Externally	38	2.3	87.4	70.3	Automatic Time Switch + Photocontrol (outdoor)			☐	☐
		10	11		12	13			14		
		Luminaire Name or Item Tag	Complete Luminaire Description		Watts per luminaire	How is Wattage determined			Total Number of Luminaires		
		M1	TAPE LIGHT 3.7W/FT		3.7	Mfr. Spec			19		

** NOTES: Controls with a * require a note in the space below explaining how compliance is achieved. EX: Sign within tunnel illuminated day and night; EXCEPTION to 130.3(a)2A.*

[1] *FOOTNOTE: Demand response controls are only required for an Electronic Message Center having a new connected lighting power load greater than 15 kW per 110.12(d)*

G. LIGHT SOURCES AND CONTROLS

This section does not apply to this project.

H. ENERGY VERIFIED LABELED SIGNS AND CONTROLS

This section does not apply to this project.

STATE OF CALIFORNIA
Sign Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTS-E
Project Name: ANAHEIM RIVER PARK	**Report Page:**	**(Page 4 of 5)**
	Date Prepared:	10/16/2025

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTS-E - Must be submitted for all buildings

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

STATE OF CALIFORNIA
Sign Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTS-E
Project Name: ANAHEIM RIVER PARK	**Report Page:**	**(Page 5 of 5)**
Project Address: 2445 EAST ORANGEWOOD AVE.	**Date Prepared:**	10/16/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Dan Mayorgas	Documentation Author Signature:
Company: MPE Consulting	Signature Date:
Address: 10807 Thornmint Road	CEA/ HERS Certification Identification (if applicable): E018377
City/State/Zip: San Diego CA 92127	Phone: 858-673-4445

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: DAN MAYORGAS	Responsible Designer Signature:
Company: MPE CONSULTING	Date Signed: 2025-10-16
Address: 10807 THORNMINT ROAD	License: E018377
City/State/Zip: SAN DIEGO CA 92127	Phone: 8586734445

BUILDING OWNER REPRESENTATIVE OR GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE CERTIFICATE OF ACCEPTANCE LTG-1-A AND ALL RELATED ACCEPTANCE DOCUMENTS. THESE SHALL BE SUBMITTED TO THE FIELD INSPECTOR DURING CONSTRUCTION. CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED UNTIL THESE FORMS ARE REVIEWED AND APPROVED.

RIVER PARK 100% CONSTRUCTION DOCUMENTS 04/30/2026

FOR CITY USE ONLY

TITLE 24

1

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

COA BM 5A-30A
BROADWAY & OLIVE STREET.
ELEVATION = 160.04' (NAVD-88)

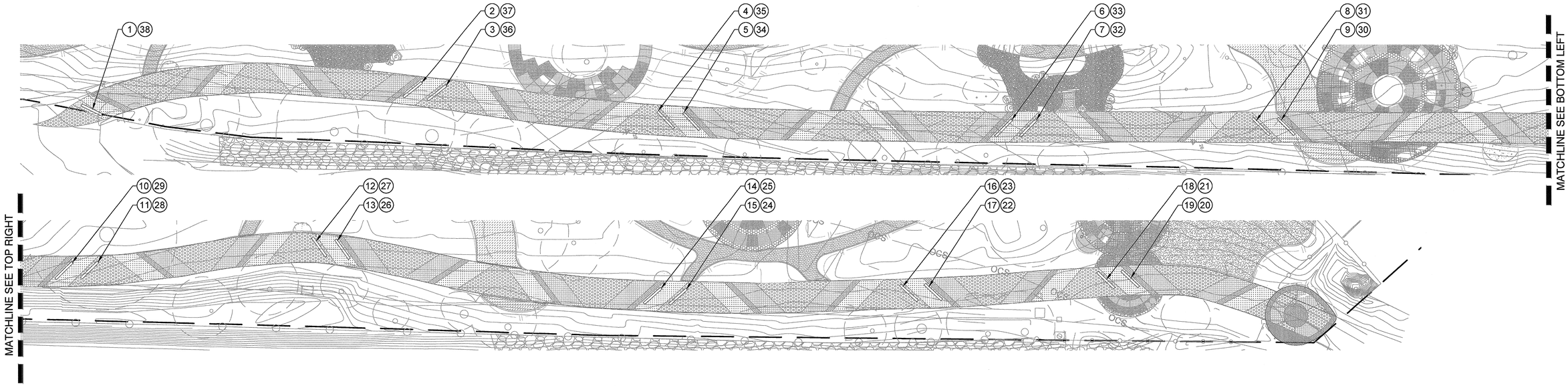
mpe consulting
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REGISTERED PROFESSIONAL ENGINEER
DANIEL MAYORGAS
No. E 018377
Exp. 6-30-26
ELECTRICAL
STATE OF CALIFORNIA

24-447

TITLE 24		ET01
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806		BLD2025-04799 SHEET 55 OF 62
SCALE: SCALE PER SHEET	DRAWN BY: VM,TF	CHECKED BY: JO
CITY OF ANAHEIM		D-XXX

PLOT DATE: 4/30/2026



POEM:

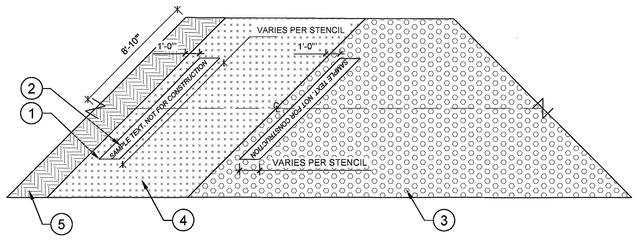
return to me. ask opened rivers
pouring whoa as abundantly
together we go to place each step
in ripples of a weeping history
and bellies laughing towards futures.
direct humanity's movement from
trite acts shunning fluidity.
I am glad you're here,
breathing through felt dimensions:
time, location, histories, lived realities
all intersecting inside, then outside.
stubborn feelings to exist
elsewhere, wriggling memories
like water in tightly woven baskets
cradle leaders whose palms
match yours. they
carry you now: balanced,
diving, and greeting
thoughts to enter.
enter to thoughts
diving, and greetings
balanced. now you carry
them. yours match
palms whose leaders cradle
baskets woven tightly in water like
memories wriggling elsewhere.
exist to feelings stubborn
outside, then inside. intersecting all
realities: lived histories, location, time.
dimensions felt through breathing
here. you're glad I am
fluidity, shunning acts trite
from movement. humanity directs
futures towards laughing bellies, and
history weeping ripples in
steps. each place to go. we, together,
abundantly as woes pouring
rivers opened. ask me to return.

LEGEND:

1. return to me. ask opened rivers
2. pouring whoa as abundantly
3. together we go to place each step
4. in ripples of a weeping history
5. and bellies laughing towards futures.
6. direct humanity's movement from
7. trite acts shunning fluidity.
8. I am glad you're here,
9. breathing through felt dimensions:
10. time, location, histories, lived realities
11. all intersecting inside, then outside.
12. stubborn feelings to exist
13. elsewhere, wriggling memories
14. like water in tightly woven baskets
15. cradle leaders whose palms
16. match yours. they
17. carry you now: balanced,
18. diving, and greeting
19. thoughts to enter.
20. enter to thoughts
21. diving, and greetings
22. balanced. now you carry
23. them. yours match
24. palms whose leaders cradle
25. baskets woven tightly in water like
26. memories wriggling elsewhere.
27. exist to feelings stubborn
28. outside, then inside. intersecting all
29. realities: lived histories, location, time.
30. dimensions felt through breathing
31. here. you're glad I am
32. fluidity, shunning acts trite
33. from movement. humanity directs
34. futures towards laughing bellies, and
35. history weeping ripples in
36. steps. each place to go. we, together,
37. abundantly as woes pouring
38. rivers opened. ask me to return.

1 POETRY STENCILED ON PAVING LAYOUT

1" = 20'



LEGEND:

1. POETRY STENCIL. LOCATE PER PLANS.
2. 4" TALL PAINTED TEXT. COLOR: SKY BLUE. HEX #41BBD9
3. GAF STREETBOND 150 PAVEMENTON AC PAVING. COLOR. CERULEAN. HEX: 006E90
4. GAF STREETBOND 150 PAVEMENTON AC PAVING. COLOR. APPLE GREEN. HEX: A5BE00
5. GAF STREETBOND 150 PAVEMENTON AC PAVING. COLOR. CARROT ORANGE. HEX: F18F01

NOTES

A. STENCIL PROVIDED BY TBD OR APPROVED EQUAL.
B. SPRAY TWO THIN LAYERS OF PAINT BETWEEN COATS AND BEFORE LIFTING THE STENCIL.
C. ALL LETTERING TO BE CENTERED ON AC PAVING

2 POETRY STENCILED ON PAVING

NO SCALE

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
SEE SHEET LC-100 FOR LANDSCAPE CONSTRUCTION LEGEND
SEE SHEETS LC-101 - LC-106 FOR LANDSCAPE CONSTRUCTION PLANS
SEE SHEETS LC-200 - LC-214 FOR LANDSCAPE CONSTRUCTION DETAILS

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5209
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION DETAILS | LC-214

SITE ADDRESS: RIVER PARK
2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

BLD2025-04799
SHEET 56 OF 62

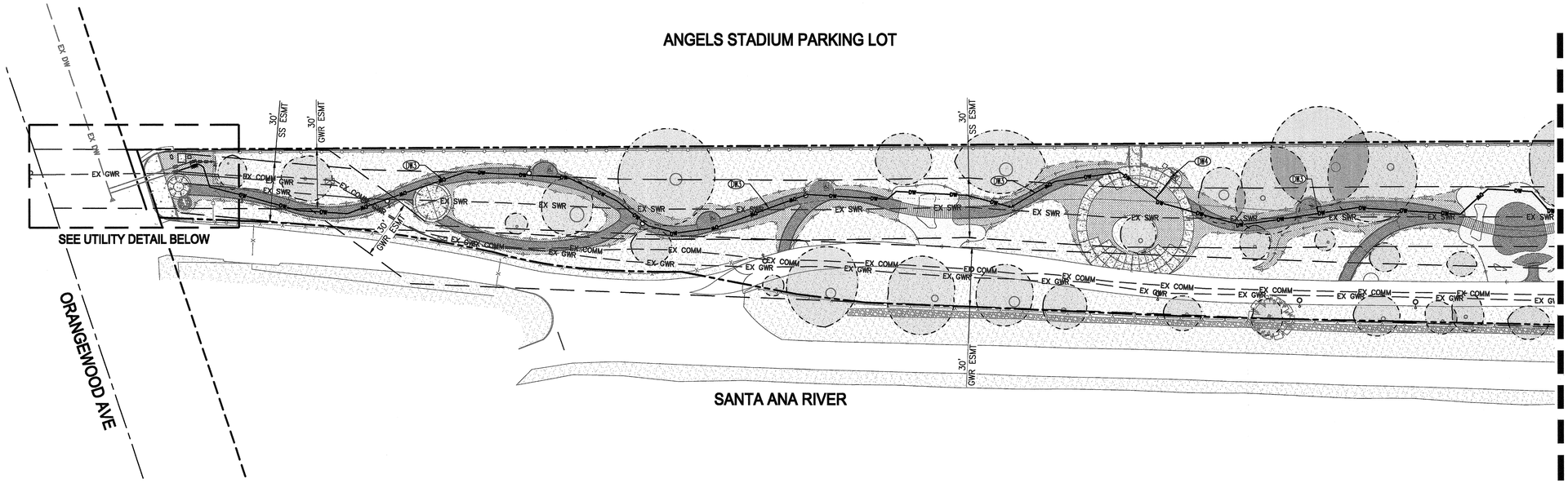
SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

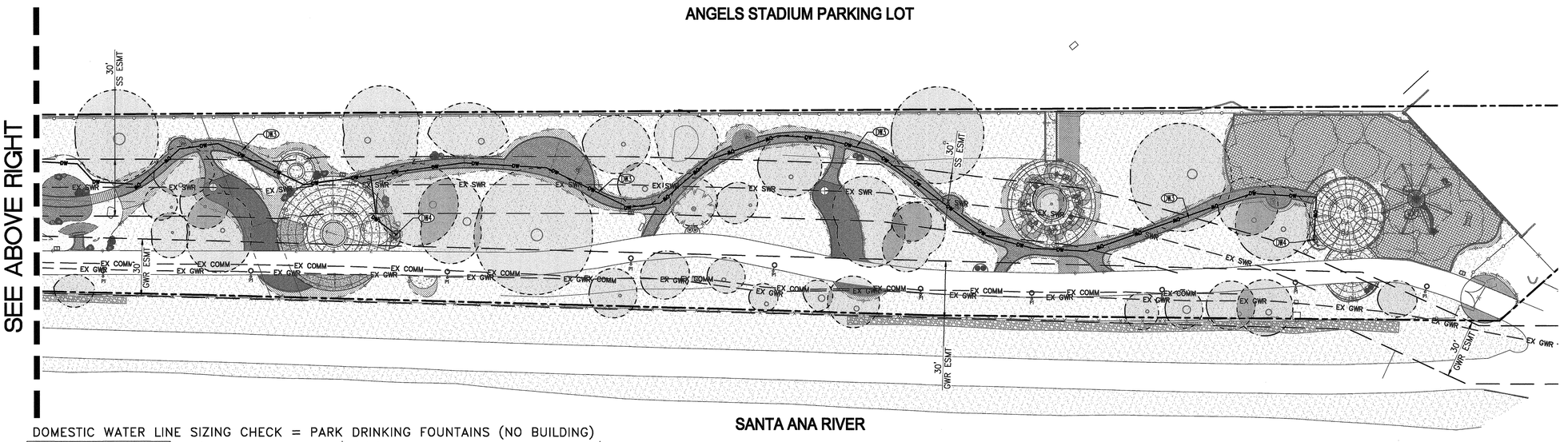
CITY OF ANAHEIM | D-XXX

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

FOR CITY USE ONLY

PLOT DATE: 09/11/2025





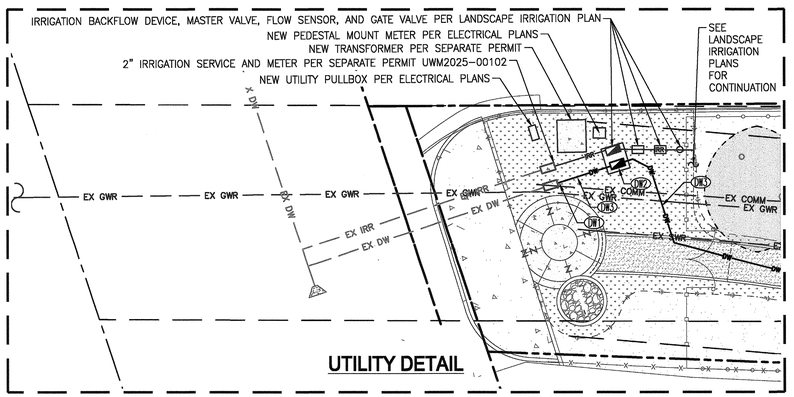
DOMESTIC WATER LINE SIZING CHECK = PARK DRINKING FOUNTAINS (NO BUILDING)

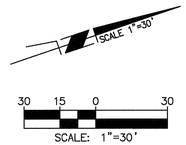
DOMESTIC WATER SIZING CHECK	CODE / MANUFACTURER BASIS	RESULTS
FIXTURES SERVED	PARK DRINKING FOUNTAIN STATIONS	2 EA
FOUNTAIN EQUIPMENT	MANUFACTURER/MODEL	HAWS 3612 + HAWS 3670 PET BOWL
CODE BASIS	SIZING METHOD	2022 CPC CH. 6 / APP. A; CPC §§610.4, 610.5
POINT OF CONNECTION	DOMESTIC WATER AT METER/POC	SITE POC / METER
PIPE MATERIAL / C-FACTOR	HAZEN-WILLIAMS	PVC SCH 40; C = 150
BACKFLOW PREVENTER	PROVIDED	2" FEBCO 825YALF "LEAD FREE"
CRITICAL LENGTH	POC TO FARTHEST STATION	1,473.2 FT
ELEVATION DIFFERENCE	POC TO STATIONS	6 FT (2.6 PSI)
MANUFACTURER FLOW RATES	DEMAND BASIS	BOTTLE FILLER 1.0 GPM; BUBBLER 0.45 GPM; PET BOWL 0.45 GPM
DESIGN DEMAND (CONSERVATIVE)	TWO STATIONS SIMULTANEOUS	5.0 GPM
REQUIRED RESIDUAL PRESSURE	MINIMUM AT FIXTURES	30 PSI
DEVICE LOSSES	RPDA BACKFLOW (ASSUMED)	8.7 PSI
MINIMUM REQUIRED PRESSURE AT POC	SUM FROM ABOVE	P(POC) = 41.3 PSI
PIPE SIZE PROVIDED	DOMESTIC WATER LINE	2 IN
HYDRAULIC CHECK – FRICTION LOSS	HAZEN-WILLIAMS @ 5 GPM	= 0.17 PSI
RESULT	COMPLIANCE STATUS	CITY TO CONFIRM AVAILABLE STATIC PRESSURE AT POC SHALL BE SUFFICIENT TO MAINTAIN 30PSI MINIMUM RESIDUAL PRESSURE AT THE FOUNTAINS, INCLUSIVE OF ELEVATION AND BACKFLOW PREVENTER LOSSES

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:
BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION = 153.529' (NAVD 1988) 2010 LEVELED





GENERAL NOTES:

NEW/REPAIRED POTABLE WATER SYSTEMS ARE REQUIRED TO BE DISINFECTED BY CHLORINATION. 2022 CPC SEC. 609.10 (1,2,3,4)

WATER NOTES:

1. ALL EXISTING PUBLIC WATER FACILITIES SHALL BE PROTECTED IN PLACE. THE CONTRACTOR PERFORMING THIS WORK SHALL BE RESPONSIBLE FOR ALL COSTS AS A RESULT OF ANY DAMAGE OR REPAIRS TO EXISTING WATER FACILITIES.
2. IN CASE OF EMERGENCY, THE CONTRACTOR SHALL IMMEDIATELY CONTACT WATER FIELD/OPERATIONS AT (714) 765-4560 AND WATER ENGINEERING AT (714) 765-5196.
3. SMALL WATER SERVICE LATERALS (i.e. 2" AND SMALLER) ARE TYPICALLY NOT SHOWN ON PLANS, BUT MUST BE PROTECTED IN PLACE. THE NORMAL DEPTH OF COVER FOR WATER SERVICE LATERALS IS 30".
4. ALL PUBLIC WATER SYSTEM APPURTENANCES INCLUDING METERS, SERVICE LATERALS, FIRE LINES, HYDRANTS, AND WATER MAINS SHOWN ON THIS PLAN SET ARE FOR CONCEPTUAL PURPOSES ONLY AND HAVE NOT BEEN APPROVED BY ANAHEIM PUBLIC UTILITIES DEPARTMENT FOR INSTALLATION, CONSTRUCTION, RELOCATION, OR ABANDONMENT.
5. THE OWNER, DEVELOPER, OR CONTRACTOR RESPONSIBLE FOR THE PROJECT SHALL PREPARE A SEPARATE PLAN SET FOR PUBLIC WATER SYSTEM IMPROVEMENTS OR COMPLETE A METER APPLICATION FOR ALL NEW, ABANDONED OR MODIFIED DOMESTIC WATER SERVICES, IRRIGATION SERVICES, OR FIRE LINE SERVICES AND SUBMIT THEM TO THE ANAHEIM PUBLIC UTILITIES DEPARTMENT, WATER ENGINEERING DIVISION FOR REVIEW AND APPROVAL PRIOR TO THE START OF DEMOLITION OR GRADING WORK.
6. WATER ENGINEERING WILL NOT APPROVE ANY PROPOSED DOMESTIC, IRRIGATION, OR FIRE LINE SERVICE INSTALLATIONS UNTIL THE OWNER, DEVELOPER, OR CONTRACTOR COMPLETES A WATER SERVICE METER APPLICATION AND PAYS ALL APPLICABLE DEVELOPMENT RELATED FEES. CONTACT CARLOS BUSTOS AT (714) 765-4231 TO PROCESS THE METER APPLICATION.
7. UNLESS OTHERWISE APPROVED, THE FOLLOWING CLEARANCES SHALL BE MAINTAINED BETWEEN EXISTING WATER FACILITIES AND ANY OTHER PROPOSED IMPROVEMENTS:
   A. A MINIMUM SEPARATION OF 12-INCHES FOR VERTICAL CROSSINGS.
   B. A MINIMUM SEPARATION OF 5-FEET FOR HORIZONTAL/PARALLEL INSTALLATIONS, EXCEPT FOR SANITARY SEWERS WHICH REQUIRE A MINIMUM HORIZONTAL SEPARATION OF 10-FEET.
   C. A MINIMUM OF 2-FEET AROUND ANY ABOVE-GROUND WATER FACILITY/APPURTENANCE.
8. ALL UNUSED WATER FACILITIES SHALL BE ABANDONED AT THE MAIN AS DIRECTED BY THE ENGINEER. PRIOR TO ANY ABANDONMENT OF SERVICES, THE CONTRACTOR SHALL ENSURE SERVICE LINE IS CLOSE AND RESTRAINED TO THE MAINS. THE SERVICE LINE SHALL BE CUT AND CAPPED AT THE SERVICE LINE VALVE. METER SHALL BE REMOVED AND RETURNED TO THE WATER SERVICE INSPECTOR. METER BOX FOR ABANDONED SERVICES SHALL BE REMOVED AND THE SURFACE IMPROVEMENTS SHALL BE RESTORED AS DIRECTED BY THE WATER SERVICES INSPECTOR.
9. A SEPARATE CONSTRUCTION PERMIT IS REQUIRED FOR ALL WORK WITHIN THE PUBLIC RIGHT OF WAY CONTACT THE ENGINEERING REPRESENTATIVE OF THE PUBLIC WORKS DEPARTMENT FRONT COUNTER OR CALL (714) 765-4431 TO OBTAIN INFORMATION.
10. A PLUMBING PERMIT IS REQUIRED FROM ANAHEIM BUILDING DIVISION FOR ANY NEW, ALTERED OR PREPARED PLUMBING SYSTEM ON PRIVATE PROPERTY. THE BUILDING DIVISION IS LOCATED ON THE FIRST FLOOR OF CITY HALL EAST, 200 S. ANAHEIM BLVD. OR CALL (714) 765-5743 EXT. 0.
11. CONTRACTOR SHALL CONTACT CITY OF ANAHEIM WATER INSPECTION AT (714) 765-4591 PRIOR TO BEGINNING WORK. ALL EXCAVATION AROUND EXISTING PUBLIC WATER FACILITIES SHALL BE OBSERVED BY CITY WATER INSPECTOR.
12. ALL ONSITE WATER LINES (DOMESTIC, FIRE AND IRRIGATION) SHALL BE PRIVATELY OWNED AND MAINTAINED BEGINNING AT THE CUSTOMER SIDE OF EACH METER AND ONTO THE PRIVATE PROPERTY.
13. ANY STRUCTURAL INFILTRATION BMP'S SHALL MEET THE FOLLOWING MINIMUM SEPARATION REQUIREMENTS:
   A. THE INFILTRATION SYSTEMS MUST BE LOCATED AT LEAST 100 FEET HORIZONTALLY FROM ANY WATER SUPPLY WELLS.
   B. THE VERTICAL DISTANCE FROM THE BOTTOM OF THE INFILTRATION SYSTEM TO THE SEASONAL HIGH GROUNDWATER LEVEL MUST BE AT LEAST 10 FEET.

DOMESTIC WATER NOTES

(DW1) CONNECT PROPOSED DOMESTIC WATER LINE TO EXISTING 2" WATER SERVICE AND METER INSTALLED PER UWM2025-00102

(DW2) INSTALL 2" FEBCO 825YALF "LEAD FREE" BACKFLOW PREVENTOR PER IRRIGATION PLANS DETAIL 1/LI-202.

(DW3) INSTALL 2" PVC SCHEDULE 40 DOMESTIC WATER LINE PER 2/LI-202

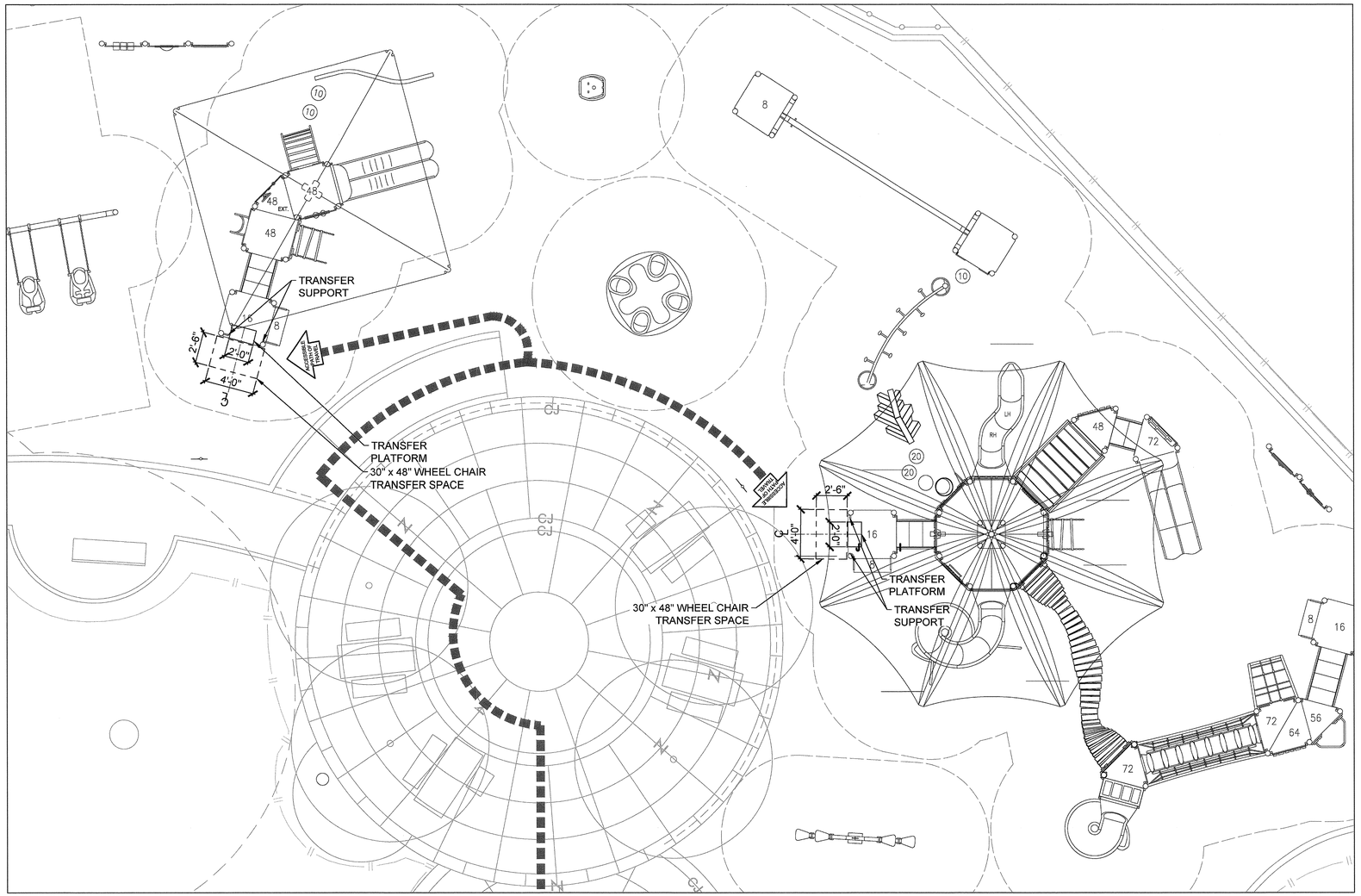
(DW4) DOMESTIC WATER POINT OF CONNECTION TO DRINKING FOUNTAIN. INSTALL NIBCO T-580 AT EACH WATER FOUNTAIN.

PLAN PREPARED BY:
PROACTIVE
ENGINEERING CONSULTANTS
27051 Towne Centre Drive, Suite 270
Foothill Ranch, CA 92610 (949) 716-7460
REVIEWED BY:
FELIX GONZALEZ
DATE: 2/12/26
R.C.E #67660

REGISTERED PROFESSIONAL ENGINEER FELIX GONZALEZ No. 67660 Exp. 6-30-2027 CIVIL STATE OF CALIFORNIA

WATER PLAN	DW1.0
SITE ADDRESS: 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	BLD2025-04799
	SHEET 57 OF 62
SCALE: SCALE PER SHEET / DRAWN BY: AM/WL	CHECKED BY: OM/FG
CITY OF ANAHEIM	**D-XXX**

FOR CITY USE ONLY



2 PLAY STRUCTURE ENLARGEMENT PLAN
1"=5'

PLAYGROUND INDEPENDENT AUDIT

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN INDEPENDENT AUDIT OF THE PLAYGROUND AREA FOLLOWING REINSTALLATION OF SAFETY SURFACING AND COMPONENTS. THE AUDIT SHALL BE CONDUCTED BY A NRPA/NPSI CERTIFIED PLAYGROUND SAFETY INSPECTOR. THE AUDIT SHALL DETERMINE COMPLIANCE OF THE PLAYGROUND AREA, SURFACING AND ALL PLAY EQUIPMENT WITH THE MOST CURRENT VERSIONS OF ACCESSIBILITY AND SAFETY STANDARDS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: AMERICANS WITH DISABILITIES ACT (ADA), CONSUMER PRODUCT SAFETY COMMISSION'S (CPSC) HANDBOOK FOR PUBLIC PLAYGROUND SAFETY, THE AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) STANDARD CONSUMER SAFETY PERFORMANCE SPECIFICATION FOR PLAYGROUND EQUIPMENT FOR PUBLIC USE (F-1487) AND STANDARD SPECIFICATION FOR IMPACT ATTENUATION OF SURFACE SYSTEMS UNDER AND AROUND PLAYGROUND EQUIPMENT (F-1292) AND STANDARD SPECIFICATION FOR DETERMINATION OF ACCESSIBILITY OF SURFACE SYSTEMS UNDER AND AROUND PLAYGROUND EQUIPMENT (F-1951). THE AUDIT SHALL ALSO TEXT FOR ACTUAL G-MAX RATINGS AND ACCOMPLISHED WITH VARIOUS SURFACE MATERIALS.

PLAY EQUIPMENT NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ITEMS FOUND NOT TO BE IN COMPLIANCE WITH THE ABOVE STANDARDS AS A RESULT OF THE AUDIT. THE CONTRACTOR SHALL PROVIDE THE LANDSCAPE CONSTRUCTION INSPECTOR AND DISTRICT PROJECT MANAGER A SIGNED LETTER STATING THAT THE PLAYGROUND AREAS, SURFACING AND REINSTALLED PLAY EQUIPMENT COMPLY WITH ALL CURRENT APPLICABLE ACCESSIBILITY AND SAFETY STANDARDS. THE LETTER SHALL INCLUDE AN ITEMIZED LIST CORRESPONDING TO EACH AUDIT ITEM, DESCRIBING ALL CORRECTIONS AND THE DATE EACH CORRECTION WAS COMPLETED. IF APPLICABLE, THE LETTER MAY STATE THAT ANY EQUIPMENT IN QUESTION IS CERTIFIED BY IPEMA. (PROVIDE MANUFACTURER'S PROOF OF IPEMA CERTIFICATION).

PLAY AREAS 11B-240

PG1) SEPARATE PLAY AREAS ARE PROVIDED FOR SPECIFIC AGE GROUPS AND EACH PLAY AREA SHALL COMPLY WITH CBC SECTION 11B-240.
PG2) ALL GROUND LEVEL AND ELEVATED PLAY COMPONENTS ARE IDENTIFIED ON THIS SHEET WITH AN ASTERICK(*) PER CBC SECTION 11B-240.2 AND TABLE 11B-240.2.1.2.
PG3) ACCESSIBLE ROUTES TO ALL ACCESSIBLE GROUND LEVEL AND ELEVATED PLAY COMPONENTS PER CBC SECTION 11B-1008.2.1 EXCEPTIONS.
PG4) RAMPS CONNECTING PLAY COMPONENTS COMPLY WITH CBC SECTION 11B-1008.2.5.
PG5) TRANSFER PLATFORMS FOR TRANSFER FROM WHEELCHAIRS OR OTHER MOBILITY AIDS COMPLY WITH CBC SECTION 11B-1008.3.1.
PG6) TRANSFER STEPS FOR MOVEMENT FROM TRANSFER PLATFORMS TO LEVELS WITH ELEVATED PLAY COMPONENTS COMPLY WITH CBC SECTION 11B-1008.3.2.
PG7) CLEAR FLOOR OR GROUND SPACE PER CBC SECTION 1008.4.2 AND A TURNING SPACE PER CBC SECTIONS 11B-1008.4.1 FOR ALL GROUND LEVEL PLAY COMPONENTS ON AN ACCESSIBLE ROUTE AND FOR ALL ELEVATED PLAY COMPONENTS CONNECTED BY RAMPS.
PG8) GROUND SURFACES ON ACCESSIBLE ROUTES, CLEAR FLOOR OR GROUND SPACES, AND TURNING SPACES SHALL COMPLY WITH ASTM F 1951 AND SHALL BE INSPECTED AND MAINTAINED REGULARLY AND FREQUENTLY TO ENSURE CONTINUED COMPLIANCE. MATERIAL FOR GROUND SURFACES LOCATED WITHIN USE ZONES ARE CALLED OUT ON LANDSCAPE CONSTRUCTION. GROUND SURFACES WITHIN USE ZONES SHALL COMPLY WITH ASTM F 1292.

CBC CHAPTER 2 DEFINITIONS:

"ELEVATED PLAY COMPONENT": A PLAY COMPONENT THAT IS APPROACHED ABOVE OR BELOW GRADE AND THAT IS PART OF A COMPOSITE PLAY STRUCTURE CONSISTING OF TWO OR MORE PLAY COMPONENTS ATTACHED OR FUNCTIONALLY LINKED TO CREATE AN INTEGRATED UNIT PROVIDING MORE THAN ONE PLAY ACTIVITY.
"GROUND LEVEL PLAY COMPONENT": A PLAY COMPONENT THAT IS APPROACHED AND EXITED AT GROUND LEVEL.

11B-1008.3.1 Transfer Platforms

Transfer platforms shall be provided where transfer is intended from wheel-chairs or other mobility aids. Transfer platforms shall comply with *Section 11B-1008.1.1.*

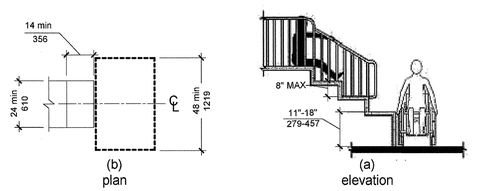


FIGURE 11B-1008.3.1

LEGEND

■■■■■■ SITE ACCESSIBLE ROUTE

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK
1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
SEE SHEET LC-100 FOR LANDSCAPE CONSTRUCTION LEGEND
SEE SHEETS LC-101 - LC-106 FOR LANDSCAPE CONSTRUCTION PLANS
SEE SHEETS LC-200 - LC-214 FOR LANDSCAPE CONSTRUCTION DETAILS

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1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5208
SIGNATURE
12-31-26
RENEWAL DATE
05-12-28
DATE
STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION DETAILS		LC-215
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806		BLD2025-04799
		SHEET 58 OF 62
SCALE: SCALE PER SHEET	DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM		D-XXX

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

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PLOT DATE: 09/11/2025

STRUCTURAL NOTES

WORK SCOPE
STRUCTURAL WORK SCOPE PRESENTED IN THIS DRAWING IS LIMITED TO THE DESIGN OF THE 5" DIA, 3 1/2" DIA, AND 2 3/8" DIA STEEL POSTS, AND 5" DIA ALUMINUM POSTS FOR THE PLAYBOOSTER ASSEMBLIES, AS WELL AS THE ASSOCIATED CONCRETE FOOTINGS. STRUCTURAL DESIGN IS LIMITED TO WIND, SEISMIC, AND LIVE LOADS ONLY.

BUILDING CODE USED FOR DESIGN

2025 CALIFORNIA BUILDING CODE (2024 IBC)

LOAD CRITERIA

1. WIND LOAD CRITERIA PER 2025 CBC (ASCE 7-22):
   BASIC WIND SPEED 102 MPH (ULTIMATE WIND SPEED)
   BUILDING EXPOSURE "C"
   RISK CATEGORY III
2. SEISMIC LOAD CRITERIA PER HARRINGTON GEOTECHNICAL ENGINEERING, INC. GEOTECHNICAL REPORT (HGEI PROJECT 21-ANA-0491) AND 2025 CBC (ASCE 7-22):
   RISK CATEGORY III
   I_e = 1.25
   S_S = 1.68
   S_1 = 0.56
   SITE CLASS D
   S_{DS} = 1.22
   S_{D1} = 0.85
   SEISMIC DESIGN CATEGORY D
   DESIGN BASE SHEAR, $V_E = C_S$*WEIGHT
   C_S = 0.76
   R = 2.00
   EQUIVALENT LATERAL FORCE PROCEDURE

   BASIC SEISMIC FORCE-RESISTING SYSTEM: AMUSEMENT STRUCTURES AND MONUMENTS.
3. LIVE LOAD — 100 PSF (PLAY SURFACES); 5 PSF (FABRIC CANOPY)
4. STRUCTURAL CALCULATIONS BASED ON LANDSCAPE STRUCTURES DRAWINGS #1194783-02-12 DATED 4/2/2026.

ALUMINUM

1. EXTRUDED ALUMINUM TUBES SHALL BE 6005A-T61 TEMPER AND ALLOY, Fy = 35 KSI AND Fu = 38 KSI.

STRUCTURAL STEEL

1. STEEL TUBES SHALL MEET THE REQUIREMENTS OF ASTM A500 GR C OR EQUIVALENT, Fy = 50 KSI AND Fu = 62 KSI.

CONCRETE

1. CAST-IN-PLACE CONCRETE STRENGTH SHALL BE f'c = 3500 PSI, NORMAL WEIGHT, AND AIR-ENTRAINED.
2. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301.
3. COMPLY WITH ACI 305 FOR HOT WEATHER CONCRETING.
4. REINFORCED CONCRETE DESIGNED PER ACI 318-19; UNREINFORCED CONCRETE DESIGNED PER ACI 318-19 SECTION 14.5.2

REINFORCING STEEL

1. MINIMUM STRENGTH, Fy = 60 KSI (ASTM A615; GR 60).
2. 2" MINIMUM CLEAR COVER FROM SIDE EDGE AND TOP.
3. 3" MINIMUM CLEAR COVER FROM BOTTOM EDGE.

SOIL

1. THE LATERAL SOIL BEARING PRESSURE (PER HARRINGTON GEOTECHNICAL ENGINEERING, INC. GEOTECHNICAL REPORT (HGEI PROJECT 21-ANA-0491) IS ASSUMED TO BE p = 250 PSF/FT.
2. THE SOIL BEARING PRESSURE (PER HARRINGTON GEOTECHNICAL ENGINEERING, INC. GEOTECHNICAL REPORT (HGEI PROJECT 21-ANA-0491) IS ASSUMED TO BE σ = 2000 PSF.

CONCRETE SPECIAL INSPECTIONS

1. CONCRETE PLACEMENT: PERIODIC INSPECTION REQUIRED.
2. SAMPLE FOR STRENGTH TESTS OF EACH CLASS OF CONCRETE PLACED EACH DAY SHALL BE TAKEN NOT LESS THEN ONCE PER DAY.

SOIL SPECIAL INSPECTIONS

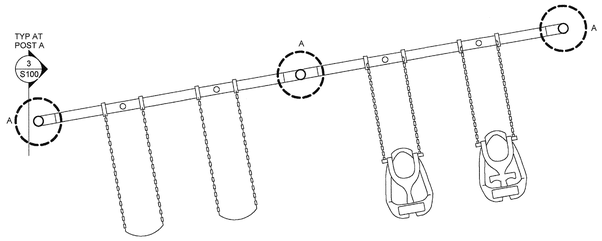
1. PERIODICALLY VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIRED BEARING CAPACITY.
2. PERIODICALLY VERIFY EXACAVATIONS ARE EXTENDED TO THE PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.
3. PERIODICALLY PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.
4. CONTINUOUSLY VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.
5. PRIOR TO PLACEMENT OF COMPACTED FILL, PERIODICALLY INSPECT SUBGRADE AND VERIFY THAT THE SITE HAS BEEN PREPARED PROPERLY.

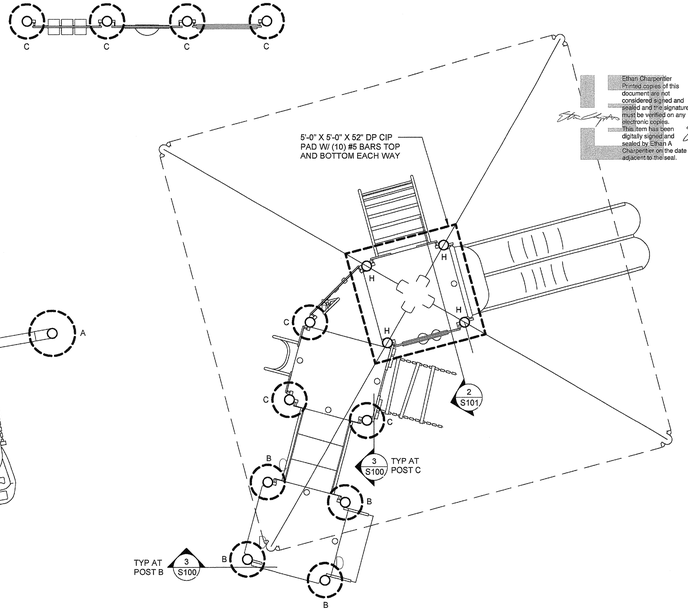
POST SCHEDULE

POST	SIZE
POST A	5" DIA X 0.125" THK ALUMINUM TUBE
POST B	5" DIA X 0.125" THK ALUMINUM TUBE
POST C	5" DIA X 0.125" THK ALUMINUM TUBE
POST D	5" DIA X 0.125" THK ALUMINUM TUBE
POST E	2 3/8" DIA X 0.095" THK STEEL TUBE
POST F	3 1/2" DIA X 0.125" THK STEEL TUBE
POST G	5" DIA X 0.120" THK STEEL TUBE
POST H	5" DIA X 0.120" THK STEEL TUBE

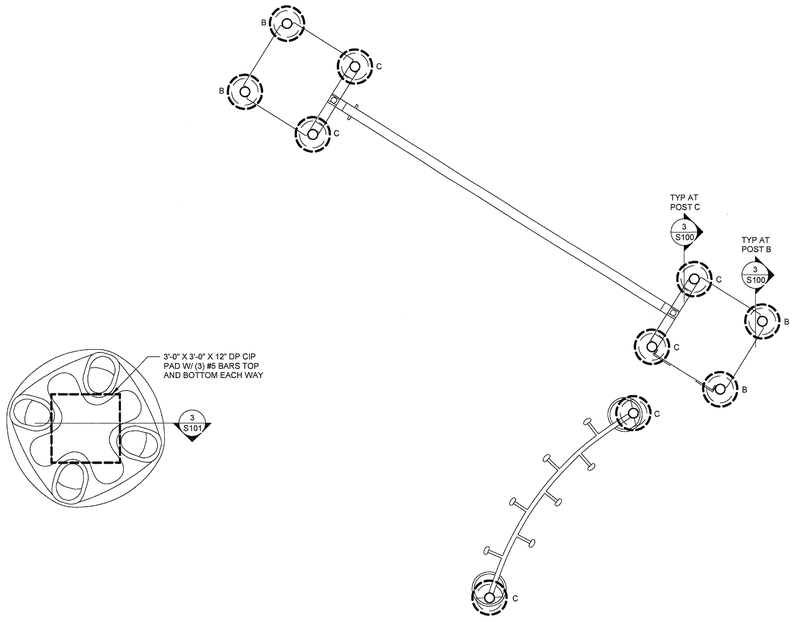
PIER FOOTING SCHEDULE

POST	bFTG	dFTG	dEMBED	dCLEAR
POST A	24" DIA	36"	28"	8"
POST B	18" DIA	26"	20"	6"
POST C	18" DIA	38"	20"	18"
POST D	18" DIA	56"	20"	36"
POST E	24" DIA	24"	20"	4"
POST F	24" DIA	24"	20"	4"
POST G	18" DIA	40"	36"	4"

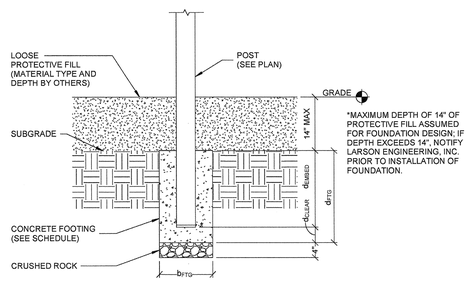




1 S100 PLAYBOOSTER AND SWING FOUNDATION PLAN
3/8" = 1'-0"



2 S100 OMNISPIN SPINNER, TRACK RIDE, AND LOLLILADDER FOUNDATION PLAN
3/8" = 1'-0"



3 S100 SECTION
3/4" = 1'-0"

Ethan Charpentier
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies. This item has been digitally signed and sealed by Ethan A Charpentier on the date adjacent to the seal.

REGISTERED PROFESSIONAL ENGINEER — ETHAN A. CHARPENTIER — C 72890 — EXP. 06/30/27 — CIVIL — STATE OF CALIFORNIA

04/24/2026

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DELANO, MINNESOTA 55328
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(1-888-574-4457)
FAX:1-763-972-3185

ANAHEIM RIVER PARK
PLAYBOOSTER ASSEMBLIES
ANAHEIM, CA

Issue/Revisions:

No:	Date:	Description:
	04/24/2026	Issue

Project No: 11260395
Drawn by: MAM
Checked by: DNB
Date: 04/24/2026

Sheet Title:
STRUCTURAL NOTES, FOUNDATION PLAN, AND DETAIL

Sheet No:
S100

W:\2026\26-xx\xx61\11260395 Anaheim River Park Landscape Structures\03 Working Docs\06 Drawings\11260395 - Anaheim River Park - PZD.rvt
4/23/2026 8:33:39 AM

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REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

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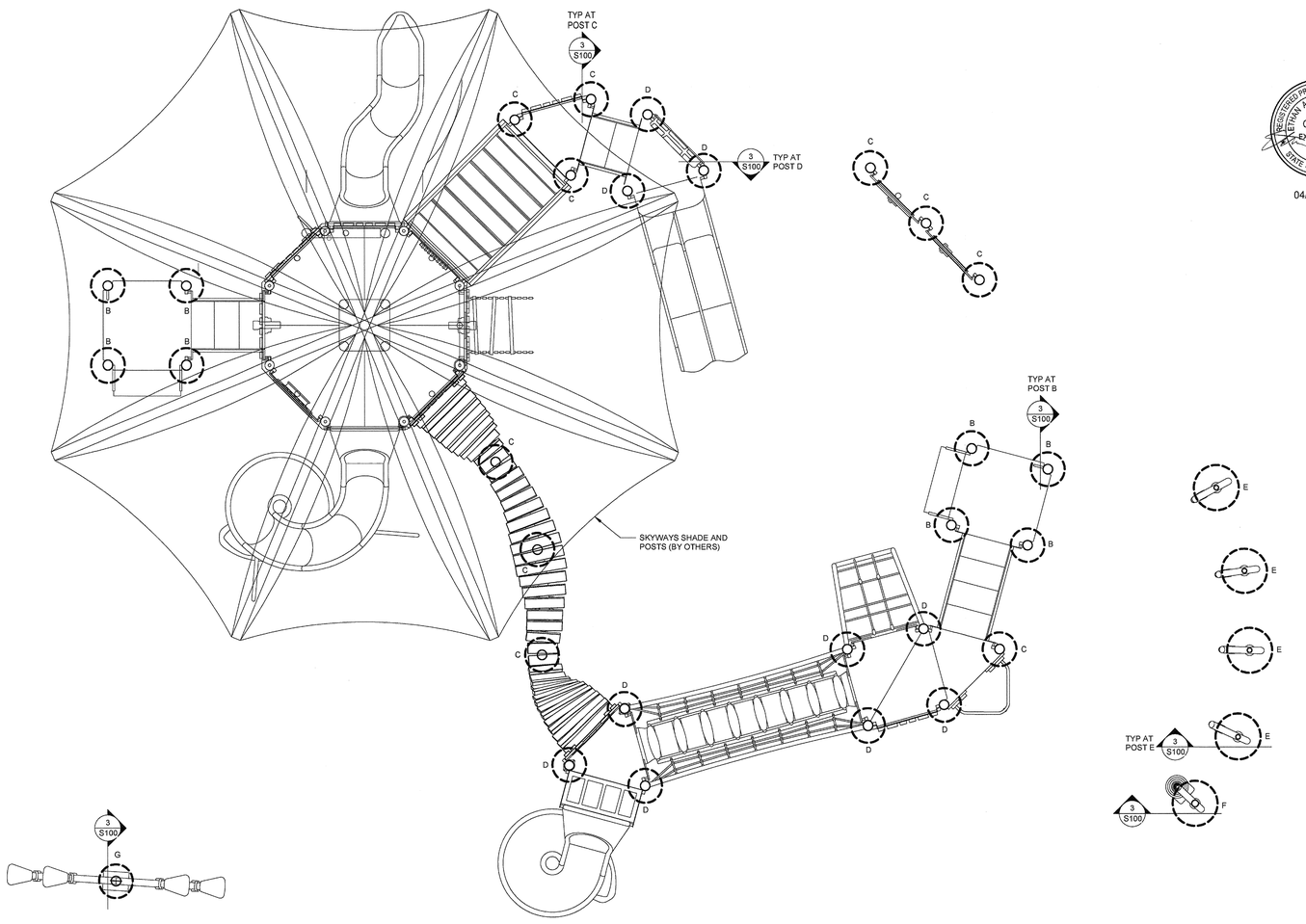
LICENSED LANDSCAPE ARCHITECT — JEFFREY T. BARR NO. 5208 — SIGNATURE — 12-31-26 RENEWAL DATE — 05-12-26 DATE — STATE OF CALIFORNIA

PLAY EQUIPMENT STRUCTURAL NOTES, FOUNDATION PLAN, AND DETAIL		S100
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806		BLD2025-04799
		SHEET 59 OF 62
SCALE: SCALE PER SHEET	DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM		D-XXX

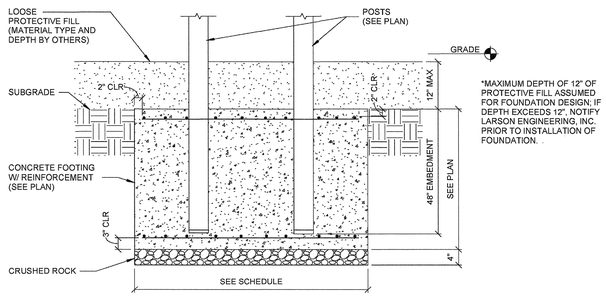
PLOT DATE: 09/11/2025

POST SCHEDULE	
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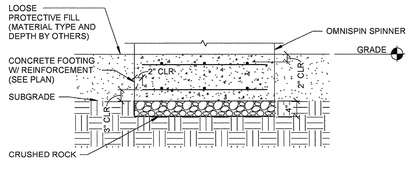
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1 S101 PLAYBOOSTER FOUNDATION PLAN
3/8" = 1'-0"



2 S101 SECTION
3/4" = 1'-0"



3 S101 SECTION
3/4" = 1'-0"

04/24/2026

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(1-888-574-4457)
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ANAHEIM RIVER PARK PLAYBOOSTER ASSEMBLIES

ANAHEIM, CA

Issue/Revisions:

No:	Date:	Description:
	04/24/2026	Issue

Project No: 11260095
Drawn by: MAM
Checked by: DNB
Date: 04/24/2026

Sheet Title:
FOUNDATION PLAN

Sheet No:
S101

W:\2026\26-xx\sub\11260095 Anaheim River Park 2 ambrose Playground\Workers Docs\R Detailing\11260095 - Anaheim River Park - FDN.rvt
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RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

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REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

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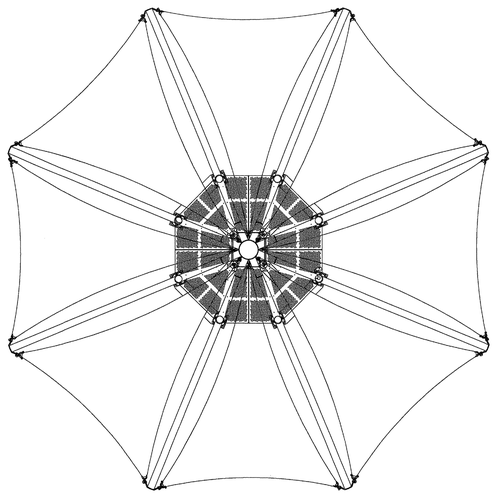
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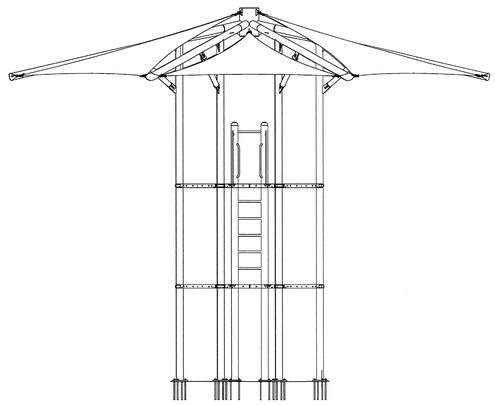
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LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5308
SIGNATURE
12-31-26
RENEWAL DATE
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PLAY EQUIPMENT FOUNDATION PLAN		S101
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806		BLD2025-04799 SHEET 60 OF 62
SCALE: SCALE PER SHEET	DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM		D-XXX

PLOT DATE: 09/11/2025





Part No: CP048962
SCALE 1/4"= 1' WEIGHT: N/A

THIS DRAWING WAS PREPARED BY OTHERS AND REVIEWED BY AMMTEC CONSULTANTS FOR STRUCTURAL CORRECTNESS

GENERAL NOTES:

DESIGN INFORMATION
CODE AND LOADS:
BUILDING CODE: CBC-2025
OCCUPANCY CLASSIFICATION - U (UTILITY & MISCELLANEOUS)
CONSTRUCTION TYPE - IIB
SINGLE STORY STRUCTURE

LOADS:
DEAD LOAD= SELF WEIGHT
LIVE LOAD = 5 PSF

DESIGN WIND LOAD Vult=119 MPH, 3 SEC. GUST

EXPOSURE: C
KZT: 1

GROUND SNOW LOADS: 5 PSF

THIS STRUCTURE WAS NOT DESIGNED FOR A SNOW LOAD LARGER THAN 5 PSF, TENSION FABRICS NEED TO BE REMOVED IN WINTER OR WHEN LOADS ARE EXPECTED TO SURPASS THE DESIGN LOADS.

THIS STRUCTURE WAS NOT DESIGNED FOR A FLOOD HAZARD AREA.

SOILS WERE EVALUATED USING VALUES OBTAINED FROM ABOVE REFERENCED BUILDING CODE TABLE 1806.2 AND ASSUMING SOIL TYPE 5. PRIOR TO PLACEMENT OF ANY FOUNDATION ELEMENTS, CONTRACTOR SHALL EXAMINE THE SOIL AND VERIFY THE BEARING STRATA (BOTTOM OF FOOTING) DOES NOT CONTAIN MUD, ORGANIC SILT, ORGANIC CLAYS, PEAT, UNPREPARED FILL, OR ANY FORM OF NON-LOAD BEARING CAPABLE SOILS. IF ANY OF THESE CONDITIONS ARE ENCOUNTERED, CONTRACTOR SHALL NOTIFY SKYWAYS IMMEDIATELY FOR ADDITIONAL RECOMMENDATIONS.

ALLOWABLE BEARING 1500 PSF

LATERAL BEARING: 100 PSF/FT

CABLE TENSION: 600 LBS

Michael King — Digitally signed by Michael King, Date: 2026.04.24 15:19:33 -07'00'

1. GENERAL NOTES:
   a. ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING:
      i. AMERICAN INSTITUTE OF STEEL CONSTRUCTION - "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES."
      ii. AMERICAN INSTITUTE OF STEEL CONSTRUCTION - "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS."
      iii. AMERICAN INSTITUTE OF STEEL CONSTRUCTION - "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A 325 OR A 490 BOLTS."
      iv. AMERICAN WELDING SOCIETY - "STRUCTURAL WELDING CODE" AWS D1.1
      v. AMERICAN SOCIETY FOR TESTING AND MATERIALS - AS REFERENCED HEREIN.
      vi. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) - AS REFERENCED.
   b. DO NOT SCALE OFF OF DRAWINGS

2. MATERIALS: MEMBERS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS U.N.O.
   a. PIPES SHALL CONFORM TO ASTM A 53, GRADE B, TYPE E OR S.
   b. STRUCTURAL TUBING SHALL CONFORM TO ASTM A 500, GRADE B/C.
   c. PLATES AND BARS SHALL CONFORM TO ASTM A 36 OR A 572 GRADE 50.
   d. TUBING SHALL BE INTERNALLY COATED WITH ZINC AND ORGANIC COATINGS TO PREVENT CORROSION AS MANUFACTURED BY ALLIED TUBE & CONDUIT.
   e. PINS SHALL CONFORM TO ASTM A 36, OR ASTM A 588, GRADE 50. ALL PINS SHALL BE GALVANIZED.
   f. ALL STRUCTURAL STEEL SHALL BE SHOT BLASTED PRIOR TO PAINT
   g. ALL WORK SHALL BE FREE OF OIL, GREASE, AND MACHINING CHIPS.

3. BOLTS AND WELDS: SHALL CONFORM TO THE FOLLOWING REQUIREMENTS U.N.O
   a. ALL WELDS SHALL BE CONTINUOUS WHERE LENGTH IS NOT GIVEN.
   b. ALL WELDS SHALL DEVELOP THE FULL STRENGTH OF THE WEAKER MEMBER. ALL WELDS SHALL BE MADE USING E70XX .035 OR .045 WIRE.
   c. ALL WELDED JOINTS SHALL CONFORM TO AWS PRE-QUALIFIED WELDED JOINTS AS DESIGNATED BY THE STANDARD WELD SYMBOLS AND TERMS AS SHOWN ON THE DRAWINGS.
   d. WELDS SHALL BE MADE ONLY BY OPERATORS WHO HAVE BEEN PREVIOUSLY QUALIFIED BY TESTS, AS PRESCRIBED IN THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY, D1.1, "STRUCTURAL WELDING CODE", TO PERFORM THE TYPE OF WORK REQUIRED.
   e. SHOP CONNECTIONS SHALL BE WELDED U.N.O. FIELD CONNECTIONS SHALL BE BOLTED AS INDICATED ON THE DRAWINGS. WELDING OF FIELD CONNECTIONS SHALL NOT BE ACCEPTED WITHOUT WRITTEN CONSENT FROM THE EOR.
   f. ALL FILLET WELDS SHALL BE A MINIMUM OF 3/16" UNLESS OTHERWISE NOTED.
   g. ALL HIGH STRENGTH BOLTS SHALL COMPLY WITH A325 OR EQUIVALENT.
   h. ALL HIGH STRENGTH NUTS SHALL COMPLY WITH A563C OR EQUIVALENT.
   i. ALL HIGH STRENGTH WASHERS SHALL COMPLY WITH F436-1 OR EQUIVALENT.
   j. ALL STAINLESS STEEL BOLTS SHALL COMPLY WITH ASTM F-593, ALLOY GROUP 1 OR 2 OR EQUIVALENT.
   k. ALL STAINLESS STEEL NUTS SHALL COMPLY WITH ASTM F-594 ALLOY GROUP 1 OR 2 OR EQUIVALENT.
   l. ALL STAINLESS STEEL WASHERS SHALL CONFORM TO TYPE 18-8 OR EQUIVALENT.
   m. ALL LOCK WASHERS SHALL BE SPLIT-RING
   n. COMMON SPRING LOCK WASHERS SHALL CONFORM TO ANSI B.18.21.1
      BOLTS SHALL BE TIGHETENED TO A SNUG CONDITION
   o. TOLERANCES ON HOLES FOR CONNECTIONG PLATES AND BOLTED ELEMENTS IN FIELD SHALL BE +1/16" LARGER THAN THE NOMINAL DIAMETER OF THE BOLT, FOR BASE PLATES IT SHALL BE 1/8" LARGER. BOLT HOLES IN METAL PARTS MAY BE BURNED USING A FLAME CUTTING MACHINE.
   p. SPECIAL ATTENTION SHALL BE GIVEN TO WELDS IN AREAS IN DIRECT CONTACT WITH SHADE FABRIC TO ENSURE THAT THESE WELDS ARE GROUND SMOOTH AND DO NOT HAVE SHARP EDGES OR BURRS.
   q. ALL THREADED ROD SHALL CONFORM TO ASTM A36, OR ASTM A 572, GRADE 50.

4. EXECUTION:
   a. STEEL FABRICATOR SHALL PROVIDE EFFECTIVE, FULL TIME QUALITY CONTROL OVER ALL FABRICATION ACTIVITIES.
   b. VISUAL INSPECTION SHALL BE PERFORMED TO ENSURE ALL WELDS CONFORM TO AWS STANDARDS.
   c. GRIND SMOOTH ALL SHARP EDGES AND CORNERS

5. CONCRETE:
   a. CONCRETE WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE BUILDING CODE.
   b. CONCRETE SPECIFICATIONS SHALL BE AS FOLLOWS:
      i. **28 DAY STRENGTH: f'c=3,000 PSI (MIN.)**
      ii. AGGREGATE: HR
      iii. SLUMP: 3-5
      iv. TYPE II/V PORTLAND CEMENT SHALL CONFORM TO ASTM C-150
      v. AGGREGATE SHALL CONFORM TO ASTM C-33
      vi. NO AIR REQUIRED
      vii. NISSAU COUNTY CLASS A
   c. ALL CONCRETE STEEL REINFORCEMENT SHALL CONFORM TO ASTM A-615 GRADE 60.
   d. REINFORCING STEEL SHALL BE DETAILED, FABRICATED, AND PLACED IN ACCORDANCE WITH THE LATEST ACI DETAILING MANUAL AND RSI MANUAL OF STANDARD PRACTICE.
   e. REINFORCING CONCRETE COVER SHALL BE 3" MIN.
   f. ALL CAST-IN-PLACE CONCRETE SHALL BE COMPACTED USING HIGH FREQUENCY VIBRATING EQUIPMENT.
   g. TOP OF PIERS ARE DESIGNED NON-CONSTRAINED.
   h. ALL ANCHOR BOLTS SET IN CONCRETE SHALL COMPLY WITH ASTM F-1554 GRADE 55
   i. **ALL NON-SHRINK GROUT SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 5000 PSI AND SHALL COMPLY WITH THE REQUIREMENTS OF ASTM C-109, ASTM C939, ASTM C1090 WHEN APPLICABLE.**
   j. PRIOR TO INSTALLATION OF FOUNDATION, INSTALLER SHALL VERIFY SOILS APPEAR TO BE CAPABLE BEARING SOILS AND ARE NOT MUDDY, LIQUIDY, OR ANY OTHER FORM OF NON-LOAD BEARING SOIL.
   k. ALL REBAR SHALL BE GRADE 60 A-615

6. STEEL CABLES:
   a. STRUCTURAL WIRE ROPE CABLES SHALL CONFORM TO THE LATEST REVISION OF ASTM A 603, "STANDARD SPECIFICATION FOR ZINC-COATED STEEL STRUCTURAL WIRE ROPE."
   b. STRUCTURAL STRAND CABLES SHALL CONFORM TO THE LATEST REVISIONS OF A 586, "STANDARD SPECIFICATION FOR ZING-COATED PARALLEL AND HELICAL STEEL WIRE STRUCTURAL STRANDS.
   c. SEVEN WIRE PRE-STRESSING STRANDS SHALL CONFORM TO THE LATEST REVISION OF ASTM A 416, "STANDARD SPECIFICATION FOR UNCOATED SEVEN WIRE STRESS RELIEVED STRAND FOR PRE-STRESSED CONCRETE" AND SHALL BE GRADE 270.
   d. WIRE ROPE CABLE SHALL BE 7X19 STRAND CORE GALVANIZED WIRE ROPE WITH A BREAKING STRENGTH VALUE OF:
      i. 1/4" DIAMETER=7,000 LB
   e. CABLES SHALL BE FED THROUGH THE FABRIC SLEEVES AROUND THE PERIMETER OF THE CANOPY AND TENSIONED UNTIL THE FABRIC PANELS (DESIGNED PURPOSELY UNDERSIZED) REACH A TAUGHT APPEARANCE. ANY LONG-TERM CABLE SAG SHALL BE MINIMIZED DURING THE MAINTENANCE RE-TIGHTENING VISITS AS REQUIRED.

7. FABRIC NOTES:
   a. FABRIC SHALL BE MANUFACTURED BY GALE PACIFIC OR ANY OTHER MANUFACTURER WHO CAN MEET THE SPECIFICATIONS LISTED BELOW.
   b. FABRIC SHALL BE POLYETHYLENE MATERIAL
   c. THE FABRIC SHALL ACHIEVE AN ULTIMATE TENSILE CAPACITY WHEN TESTED PER ASTM D-5034 IN THE:
   d. WARP DIRECTION OF 100 LBS PER INCH AT 66% MAX ELONGATION.
   e. FILL DIRECTION OF 50 LBS PER INCH AT 33% MAX ELONGATION.
   f. ACROSS THE SEAM OF STITCHING OF 80 LBS PER INCH AT 80% MAX ELONGATION
   g. THE FABRIC SHALL RETAIN 80% OF ITS TENSILE AND TEARING STRENGTH AFTER ULTRAVIOLET EXPOSURE PER ASTM G53 USING A 313 NM LIGHT SOURCE FOR 500 HOURS WHILE MOISTENED FOR 1 HOUR EVERY 12 HOURS.
   h. FABRIC SHALL REQUIRE ANNUAL INSPECTION AND MAINTENANCE. FABRIC SAMPLES OF THE SAME MATERIAL WHICH ARE MAINTAINED AT THE PROJECT SITE SHALL BE TESTED TO BE IN COMPLIANCE WITH ASTM D5034 AND D2261. THE ANNUAL TESTING ON THE APPROVED PLANS SHALL BE COMPARED TO THE FABRIC SPECIFICATIONS INDICATED ABOVE. THE FABRIC SHALL BE REPLACED WHEN THE TEST RESULTS RETURN LESS THAN 50% OF THE ULTIMATE VALUES NOTED ABOVE.
   i. **IT IS REQUIRED THAT THE FABRIC TOP SHALL BE REMOVED PRIOR TO A NATURAL EVENT WHERE THE SNOW AND WIND LOADS EXCEEDS WHAT IS SPECIFIED UNDER "DESIGN INFORMATION".**
   j. A VISUAL INSPECTION LOOKING FOR TEAR AND ABNORMAL WEAR IN FABRIC MATERIAL AND THREAD IS REQUIRED PRIOR TO RE-INSTALLATION. SHADE STRUCTURE MANUFACTURER SHALL BE NOTIFIED IF SIGNIFICANT DAMAGE IS PRESENT BEFORE RE-INSTALLATION.
   k. FABRIC MEMBRANES SHALL CONFORM TO FIRE PROPAGATION PERFORMANCE CRITERIA OF NFPA 701, OR HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 WHEN TESTED IN ACCORDANCE WITH ASTM E 84.
   l. IT IS RECOMMENDED THAT THE FABRIC TOP SHALL BE REMOVED PRIOR TO A NATURAL EVENT WHERE THE SUSTAINED LOAD IS EXPECTED TO EXCEED 75 MPH.

skyways by landscape structures
ISO 14001:2015 CERTIFIED COMPANY
AISC CERTIFIED FABRICATOR Certification Type BU

Skyways
by Landscape Structures Inc.
8131 Forney Rd.
Dallas TX, 75227
playlsi.com

Stamp:

REGISTERED PROFESSIONAL ENGINEER MICHAEL JAMES KING C62563 Exp. 09.30.2026 CIVIL STATE OF CALIFORNIA

Project Info.:
30' Play Odyssey 10' Tower Shade

Anaheim River Park

Anaheim, CA, 92806

Project No.
SO-01028989

Sheet title
GENERAL NOTES

Sheet Size:
'D' 34"x22"

Reference Scale: 1" 1/2" 1/2" 1/2"

Revisions

#	Revision	Date	By
A	For Approval	04/01/26	DG

Date: 04/01/26
Drawn by: DG
Designed by: TM
Approved by: TM
Drawing: 400-2026-093 SO-01028989 CP048962

Sheet No.: 1

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

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REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:
BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
SEE SHEET LC-100 FOR LANDSCAPE CONSTRUCTION LEGEND
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SEE SHEETS LC-200 - LC-214 FOR LANDSCAPE CONSTRUCTION DETAILS

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
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LICENSED LANDSCAPE ARCHITECT JEFFREY T. BARR No. 5205 SIGNATURE 12-31-26 RENEWAL DATE 05-12-26 DATE STATE OF CALIFORNIA

SHADE GENERAL NOTES | S102

SITE ADDRESS: RIVER PARK, 2445 EAST ORANGEWOOD AVE., ANAHEIM, CA 92806 | BLD2025-04799 | SHEET 61 OF 62

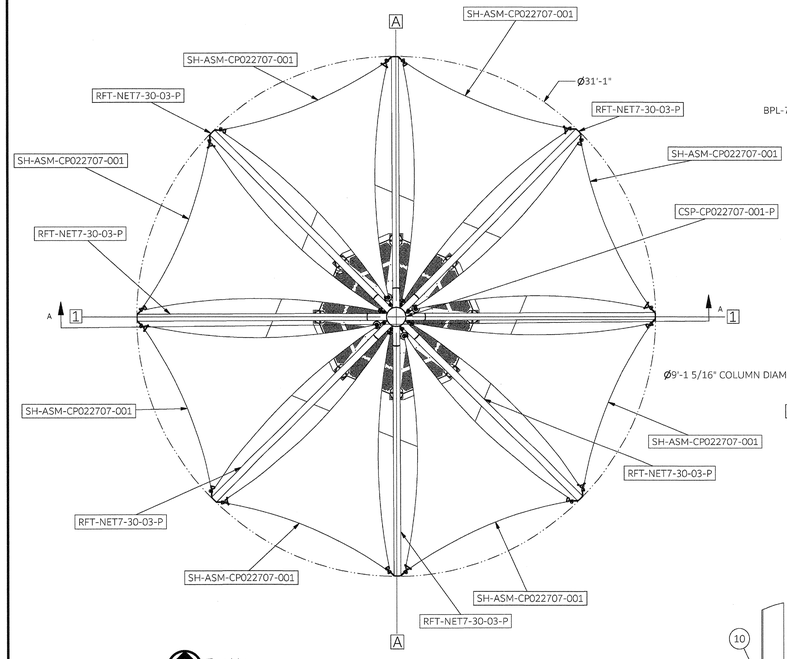
SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

CITY OF ANAHEIM | D-XXX

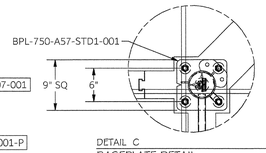
PLOT DATE: 09/11/2025

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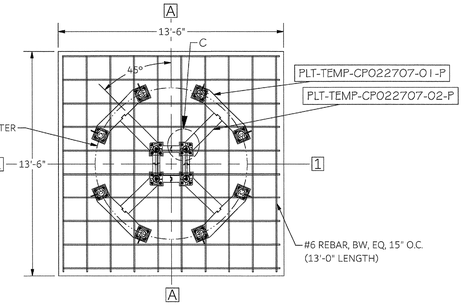
Subassemblies Part List						
ITEM	QTY	PART NUMBER	AX Part Number	DESCRIPTION	MATERIAL	STATUS
1	8	CLM-NET7-500-188-CP022707-02-P		Column, 5" OD x 3/16" Wall Painted		Released for Manufacturing
2	1	CSP-CP022707-001-P	303457	Play Odyssey Crosspiece CSP-CP022707-001 Painted		Released for Manufacturing
3	8	RFT-NET7-30-03-P	384730	Rafter Weldment 5" OD x 3/16" Wall RFT-NET7-30-03-Painted		Released for Manufacturing
4	8	BRC-100-350-165-031_0-01-P	303449	Brace Weldment 3.5" OD x 0.165" Wall BRC-100-350-165-031_0-01 Painted		Released for Manufacturing
5	8	SH-ASM-CP022707-001	303447	Shade Assembly SH-ASM-CP022707-001		Released for Manufacturing
6	1	PCK-CP022707-001		Hardware Package PCK-CP022707-001		Released for Manufacturing
6.1	64	9057_.5X2.0 SWN,N	257199	Hardware Set, 1/2" X 2" Screw, 2 Washers, Lock Washer, Nut		Released for Manufacturing
6.2	24	SS-SLT-10	260526	3/8" Twisted Shackle 10mm	Stainless Steel	Work in Progress
6.3	24	DVBND-006	260678	Sun Buckle 6" Long SS	Generic	Released for Manufacturing
6.5	16	CLCM-25	259617	HOG Cable Clamp 1/4"	Steel, Mild	Released for Manufacturing
7	2	WLD-CP022707-003-P		Double Post Ladder WLD-CP022707-003 Painted		Work In Progress (PS)
8	4	PLT-TEMP-CP022707-01-P		Anchor Template for Play Odyssey, Part A 9015-001 Painted		Released for Manufacturing
9	4	PLT-TEMP-CP022707-02-P		Anchor Template for Play Odyssey, Part B 9015-002 Painted		Released for Manufacturing
10	48	ANCH-0750-12-02	298596	Post-Install Anchor, 3/4"x12" HDG ANCH-0750-12-02		Released for Manufacturing



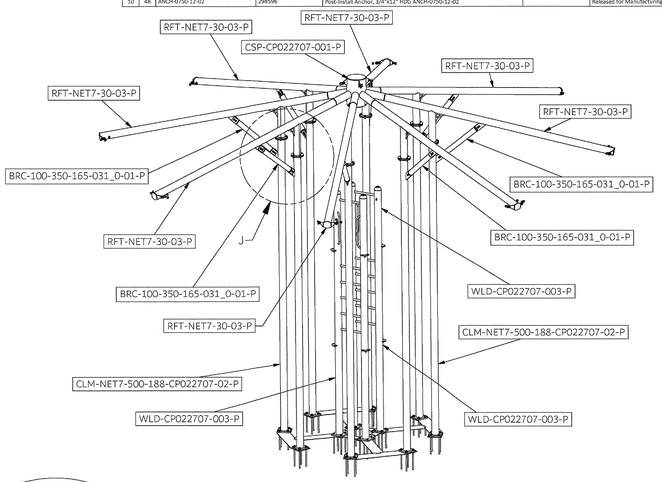
Top View
Plan
SCALE 1/4"= 1' WEIGHT: N/A



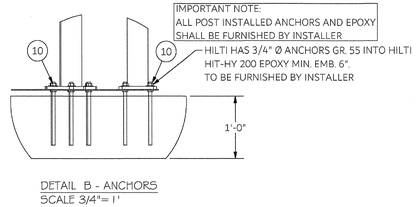
DETAIL C
BASEPLATE DETAIL
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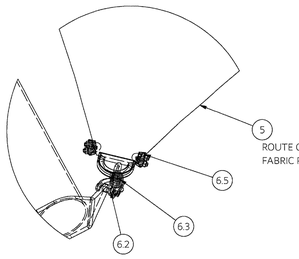
FOUNDATION LAYOUT
SCALE 1/4"= 1'



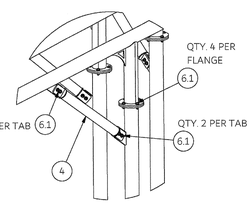
ISO VIEW - SHADES NOT SHOWN
SCALE 1/4"= 1'



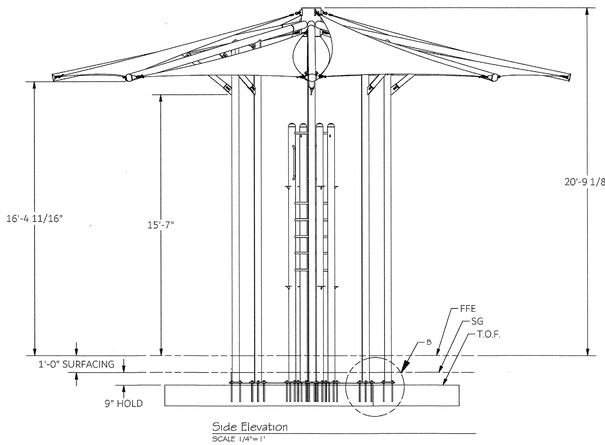
DETAIL B - ANCHORS
SCALE 3/4"= 1'



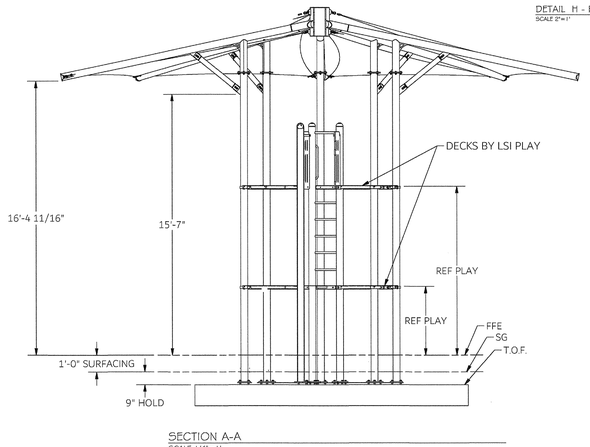
DETAIL H - RAFTER SHADE HARDWARE
SCALE 2"=1'



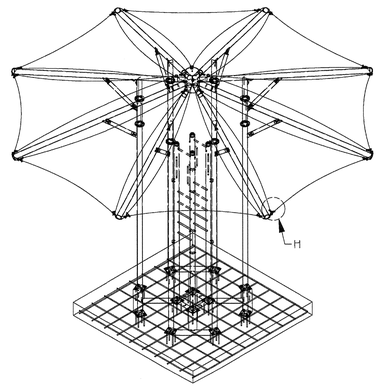
DETAIL J - BRACE CONNECTIONS
SCALE 1/2"=1'



Side Elevation
SCALE 1/4"= 1'



SECTION A-A
SCALE 1/4"= 1'



CP048962
ISO VIEW W/ TEMPLATES
SCALE 3/16"= 1'

skyways
by landscape structures
ISO 14001:2015
AISC CERTIFIED FABRICATOR
Certification Type BU

Skyways
by Landscape Structures Inc.
8131 Forney Rd.
Dallas TX, 75227
playlsi.com

Stamp:

REGISTERED PROFESSIONAL ENGINEER MICHAEL JAMES FINO C62563 Jun 24, 2026 CIVIL STATE OF CALIFORNIA

Project Info:

30' Play Odyssey 10' Tower Shade

Anaheim River Park

Anaheim, CA, 92806

Project No.
SO-01028989

Sheet title
PLAN AND SECTIONS

Sheet Size:
'D' 34"x22"

Reference Scale: 1" 1/2" 1/2" 1/2"

Revisions

#	Revision	Date	By
A	For Approval	04/01/26	DG

Date: 04/01/26
Drawn by: DG
Designed by: TM
Approved by: TM
Drawing: 400-2026-093 SO-01028989 CP048962

Sheet No.: 2

RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

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REVISIONS

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BENCH MARK:
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LICENSED LANDSCAPE ARCHITECT JEFFREY T. BARR No. 5208 SIGNATURE 12-31-26 RENEWAL DATE 05-12-25 DATE STATE OF CALIFORNIA

SHADE PLAN AND SECTIONS		S103
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806		BLD2025-04799
		SHEET 62 OF 62
SCALE: SCALE PER SHEET	DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM		D-XXX

PLOT DATE: 09/11/2025

CITY OF ANAHEIM

PRECISE GRADING PLANS FOR RIVER PARK
2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

GENERAL NOTES FOR FLATLAND GRADING PLANS:

1. ALL WORK SHALL CONFORM TO TITLE 17 OF THE ANAHEIM MUNICIPAL CODE, THE STATE CONSTRUCTION SAFETY ORDERS, AND ANY SPECIAL REQUIREMENTS OF THE PERMIT.
2. NO GRADING SHALL COMMENCE WITHOUT FIRST OBTAINING A GRADING PERMIT AND NOTIFYING FIELD ENGINEERING AT (714) 765-5126 48 HOURS IN ADVANCE FOR GRADING INSPECTION.
3. ALL IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE A RIGHT-OF-WAY CONSTRUCTION PERMIT.
4. ALL IMPROVEMENTS TO BE CONSTRUCTED PER CITY OF ANAHEIM STANDARD DETAILS, UNLESS OTHERWISE NOTED ON PLAN.
5. THIS PLAN IS APPROVED FOR CONFORMANCE WITH THE PUBLIC WORKS DEPARTMENT'S REQUIREMENTS FOR THE GRADING ORDINANCE ONLY. APPROVAL OF ALL WALLS AND SOUND ATTENUATION DEVICES SHOWN HEREON SHALL BE OBTAINED FROM THE PLANNING DEPARTMENT.
6. THIS PLAN HAS BEEN EXAMINED AND IS APPROVED ONLY AS TO CONFORMANCE TO TITLE 17 OF THE ANAHEIM MUNICIPAL CODE AND IS NOT APPROVED FOR HORIZONTAL OR VERTICAL ALIGNMENT OF STREET OR UTILITY GRADES. REVISIONS TO THIS GRADING PLAN MAY BE REQUIRED PRIOR TO APPROVAL OF THE FINAL SUBDIVISION MAP OR IMPROVEMENT PLANS IN ORDER TO CONFORM TO CITY STANDARDS AND POLICIES. THE DEVELOPER IS RESPONSIBLE FOR THE COST OF MODIFICATIONS DUE TO FINAL UTILITY OR STREET LOCATIONS.
7. BEFORE THE FORMS HAVE BEEN SET AND 24 HOURS PRIOR TO PLACEMENT OF ANY CONCRETE FOR SIDEWALK OR DRIVE APPROACH CONSTRUCTION, THE CONTRACTOR SHALL ADJUST ALL NECESSARY UTILITIES WITHIN THE PARKWAY TO GRADE AND OBTAIN APPROVAL FROM FIELD ENGINEERING, (714) 765-5126.
8. NO CUTS OR REMOVALS PERMITTED UNTIL THE FIELD ENGINEER MARKS DRIVEWAY LOCATION (S). CONTACT FIELD ENGINEER, AT (714) 765-5126, 24 HOURS PRIOR TO COMMENCING WORK WITHIN THE RIGHT-OF-WAY.
9. ANY EXISTING IRRIGATION LINES FOUND DURING CONSTRUCTION TO BE LOCATED WITHIN THE FUTURE RIGHT-OF-WAY ARE TO BE MAINTAINED IN SERVICE AND ENCASED IN A STEEL SLEEVE OR REPLACED WITH CASTIRON PIPE.
10. THE FOLLOWING APPLIES ONLY TO COMMERCIAL/INDUSTRIAL OPERATIONS DISTURBING LAND AREAS OF ONE TO FIVE ACRES.

    a. CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH A CONDITION THAT AN ANTICIPATED STORM DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE.

    DISCHARGES OF MATERIAL OTHER THAN STORMWATER ARE ALLOWED ONLY WHEN NECESSARY FOR PERFORMANCE AND COMPLETION OF CONSTRUCTION PRACTICES AND WHERE THEY DO NOT: CAUSE OR CONTRIBUTE TO A VIOLATION OF ANY WATER QUALITY STANDARD; CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR NUISANCE; OR CONTAIN A HAZARDOUS SUBSTANCE IN A QUANTITY REPORTABLE UNDER FEDERAL REGULATIONS 40 CFR PARTS 117 AND 302.

    POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SOLID OR LIQUID CHEMICAL SPILLS; WASTES FROM PAINTS, STAINS, SEALANT, GLUES, LIMES, PESTICIDES, HERBICIDES, WOOD PRESERVATIVES AND SOLVENTS; ASBESTOS FIBERS, PAINT FLAKES OR STUCCO FRAGMENTS; FUELS, OILS, LUBRICANTS, AND HYDRAULIC, RADIATOR OR BATTERY FLUIDS; FERTILIZERS, VEHICLE/EQUIPMENT WASH WATER AND CONCRETE WASH WATER; CONCRETE, DETERGENT OR FLOATABLE WASTES; WASTES FROM ANY ENGINE/EQUIPMENT STEAM CLEANING OR CHEMICAL DEGREASING; AND SUPERCHLORINATED POTABLE WATER LINE FLUSHINGS.

    DURING CONSTRUCTION, DISPOSAL OF SUCH MATERIALS SHOULD OCCUR IN SPECIFIED AND CONTROLLED TEMPORARY AREAS ON-SITE, PHYSICAL SEPARATED FROM POTENTIAL STORM WATER RUN-OFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.

    b. DEWATERING OF CONTAMINATED GROUNDWATER, OR DISCHARGING CONTAMINATED SOILS VIA SURFACE EROSION IS PROHIBITED. DEWATERING OF NON-CONTAMINATED GROUNDWATER REQUIRES A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT FROM THE RESPECTIVE STATE REGIONAL WATER QUALITY CONTROL BOARD.
11. PRIVATE STREETS SHALL BE MONUMENTED BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR IN THE SAME MANNER AS WOULD BE REQUIRED FOR THE MONUMENTATION OF A PUBLIC STREET.
12. ANY VIOLATIONS WILL RESULT IN STOPPING OF ALL WORK UNTIL THE VIOLATIONS ARE CORRECTED.
13. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALTER AT 1-800-422-4133 A MINIMUM OF 48 HOURS PRIOR TO START OF CONSTRUCTION WITHIN THE RIGHT-OF-WAY.
14. BUILDING PERMITS SHALL NOT BE ISSUED PRIOR TO (FINAL MAP, LOT LINE ADJUSTMENT, CERTIFICATE OF COMPLIANCE) RECORDATION.
15. CITY OF ANAHEIM MONUMENT PRESERVATION NOTE
    PRIOR TO CONSTRUCTION, ALL SURVEY MONUMENTS THAT MAY BE DISTURBED SHALL BE TIED OUT AND A CORNER RECORD OF EACH MONUMENT SHALL BE SUBMITTED TO THE CITY SURVEYOR FOR APPROVAL, PRIOR TO BEING FILED WITH THE COUNTY SURVEYOR. FOLLOWING CONSTRUCTION ALL SURVEY MONUMENTS THAT WERE DISTURBED SHALL BE RESET IN THEIR ORIGINAL POSITIONS AND A CORNER RECORD OF EACH MONUMENT SHALL BE SUBMITTED TO THE CITY SURVEYOR FOR APPROVAL, PRIOR TO BEING FILED WITH THE COUNTY SURVEYOR PURSUANT TO THE PROFESSIONAL LAND SURVEYORS ACT SECTION 8771 (d)
16. ALL REQUIREMENTS OF THE SOIL ENGINEER REPORT (S) DATED **04/21/26** BY **HARRINGTON GEOTECHNICAL ENGINEERING, INC. PROJECT 21-ANA-0491** AND ALL SUBSEQUENT REPORTS, ADDENDA, RECOMMENDATIONS, ETC. SHALL BE CONSIDERED PART OF THIS PLAN AND SHALL BE COMPLIED WITH, SUBJECT TO THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS/CITY ENGINEER.
17. PRIOR TO ISSUANCE OF A BUILDING PERMIT, ANY REVISIONS TO THE PAD MUST BE MADE ON THE ORIGINAL GRADING PLAN AND A LETTER OF "AS-GRADED" PAD CERTIFICATION MUST BE APPROVED BY THE DIRECTOR OF PUBLIC WORKS/CITY ENGINEER.
18. BEFORE THIS GRADING PLAN IS "AS-GRADED," THE SOIL ENGINEER SHALL ATTEST IN THE "AS-GRADED" SOIL REPORT THAT HE HAS APPROVED THE DESIGN OF ALL CRIBWALLS, THAT HE HAS FIELD INSPECTED THE CONSTRUCTION OF THE CRIBWALLS AND HE SHALL CERTIFY THAT THE OVERALL SLOPE IS STABLE WITH THE CRIBWALL(S) IN PLACE.
19. PRIOR TO ISSUANCE OF CERTIFICATION OF OCCUPANCY, AN "AS-GRADED" CERTIFICATION MUST BE MADE ON THE ORIGINAL GRADING PLAN AND SUBMITTED WITH FINAL SOIL REPORTS,INCLUDING SOIL FERTILITY REPORTS, TO BE APPROVED BY THE DIRECTOR OF PUBLIC WORKS/AND CITY ENGINEER.

PHASING NOTE:

1. THIS PROJECT IS NOT A PHASED PROJECT. CERTIFICATE OF OCCUPANCY WILL ONLY BE REQUESTED FOR THE PROJECT IN IT'S ENTIRETY AND NO TEMPORARY CERTIFICATED OF OCCUPANCY WILL BE REQUESTED FOR OCCUPANCY OF A PORTION OF THIS PROJECT RELATIVE TO THE FINAL USE OF THE PROJECT (OPERATIONAL PHASE). PHASED PROJECTS REQUIRE SPECIAL DESIGN TO ALLOW FOR FUNCTIONALITY, FOR PURPOSES OF OCCUPANCY FOR THE FINAL USE OF THE PROJECT, WHILE CONSTRUCTION CONTINUES ON THE REMAINDER OF THE SITE (SEE ITEM 18 IN GRADING PLAN CHECKLIST UNDER PLAN REQUIREMENTS). PLEASE ALSO BE AWARE THAT IF A PROJECT IS SUBMITTED AS A NON-PHASED PROJECT BUT PHASING AS REQUESTED AFTER GRADING PLAN APPROVAL, SIGNIFICANT DELAY SHOULD BE EXPECTED IN ORDER TO; MODIFY, SUBMIT, REVIEW, ADDRESS COMMENTS AND APPROVE PLANS REFLECTING PHASING.

ELECTRICAL NOTE:

1. PROTECT ALL EXISTING UNDERGROUND STRUCTURES IN PLACE AND MAINTAIN PROPER WORKING CLEARANCE PER GO128. IT IS THE DEVELOPER'S RESPONSIBILITY TO ASCERTAIN ALL EXISTING UNDERGROUND ELECTRICAL FACILITIES INCLUDING STREET LIGHTS AND PROTECT IN-PLACE OR RELOCATE PER APU ELECTRICAL ENGINEERING CONSTRUCTION STANDARDS AT THE DEVELOPER'S EXPENSE. IF RELOCATION OR REMOVAL OF EXISTING FACILITIES IS REQUIRED, THE DEVELOPER MUST CONTACT ELECTRICAL ENGINEERING (714) 765-4211 FOR ASSISTANCE.

WATER NOTES:

1. ALL EXISTING PUBLIC WATER FACILITIES SHALL BE PROTECTED IN PLACE. THE CONTRACTOR PERFORMING THIS WORK SHALL BE RESPONSIBLE FOR ALL COSTS AS A RESULT OF ANY DAMAGE OR REPAIRS TO EXISTING WATER FACILITIES.
2. IN CASE OF EMERGENCY, THE CONTRACTOR SHALL IMMEDIATELY CONTACT WATER FIELD/OPERATIONS AT (714) 765-4560 AND WATER ENGINEERING AT (714) 765-5196.
3. SMALL WATER SERVICE LATERALS (i.e. 2" AND SMALLER) ARE TYPICALLY NOT SHOWN ON PLANS, BUT MUST BE PROTECTED IN PLACE. THE NORMAL DEPTH OF COVER FOR WATER SERVICE LATERALS IS 30".
4. ALL PUBLIC WATER SYSTEM APPURTENANCES INCLUDING METERS, SERVICE LATERALS, FIRE LINES, HYDRANTS, AND WATER MAINS SHOWN ON THIS PLAN SET ARE FOR CONCEPTUAL PURPOSES ONLY AND HAVE NOT BEEN APPROVED BY ANAHEIM PUBLIC UTILITIES DEPARTMENT FOR INSTALLATION, CONSTRUCTION, RELOCATION, OR ABANDONMENT.
5. THE OWNER, DEVELOPER, OR CONTRACTOR RESPONSIBLE FOR THE PROJECT SHALL PREPARE A SEPARATE PLAN SET FOR PUBLIC WATER SYSTEM IMPROVEMENTS OR COMPLETE A METER APPLICATION FOR ALL NEW, ABANDONED OR MODIFIED DOMESTIC WATER SERVICES, IRRIGATION SERVICES, OR FIRE LINE SERVICES AND SUBMIT THEM TO THE ANAHEIM PUBLIC UTILITIES DEPARTMENT, WATER ENGINEERING DIVISION FOR REVIEW AND APPROVAL PRIOR TO THE START OF DEMOLITION OR GRADING WORK.
6. WATER ENGINEERING WILL NOT APPROVE ANY PROPOSED DOMESTIC, IRRIGATION, OR FIRE LINE SERVICE INSTALLATIONS UNTIL THE OWNER, DEVELOPER, OR CONTRACTOR COMPLETES A WATER SERVICE METER APPLICATION AND PAYS ALL APPLICABLE DEVELOPMENT RELATED FEES. CONTACT CARLOS BUSTOS AT (714) 765-4231 TO PROCESS THE METER APPLICATION.
7. UNLESS OTHERWISE APPROVED, THE FOLLOWING CLEARANCES SHALL BE MAINTAINED BETWEEN EXISTING WATER FACILITIES AND ANY OTHER PROPOSED IMPROVEMENTS:
   A. A MINIMUM SEPARATION OF 12-INCHES FOR VERTICAL CROSSINGS.
   B. A MINIMUM SEPARATION OF 5-FEET FOR HORIZONTAL/PARALLEL INSTALLATIONS, EXCEPT FOR SANITARY SEWERS WHICH REQUIRE A MINIMUM HORIZONTAL SEPARATION OF 10-FEET.
   C. A MINIMUM OF 2-FEET AROUND ANY ABOVE-GROUND WATER FACILITY/APPURTENANCE.
8. ALL UNUSED WATER FACILITIES SHALL BE ABANDONED AT THE MAIN AS DIRECTED BY THE ENGINEER. PRIOR TO ANY ABANDONMENT OF SERVICES, THE CONTRACTOR SHALL ENSURE SERVICE LINE IS CLOSE AND RESTRAINED TO THE MAINS. THE SERVICE LINE SHALL BE CUT AND CAPPED AT THE SERVICE LINE VALVE. METER SHALL BE REMOVED AND RETURNED TO THE WATER SERVICE INSPECTOR. METER BOX FOR ABANDONED SERVICES SHALL BE REMOVED AND THE SURFACE IMPROVEMENTS SHALL BE RESTORED AS DIRECTED BY THE WATER SERVICES INSPECTOR.
9. A SEPARATE CONSTRUCTION PERMIT IS REQUIRED FOR ALL WORK WITHIN THE PUBLIC RIGHT OF WAY CONTACT THE ENGINEERING REPRESENTATIVE OF THE PUBLIC WORKS DEPARTMENT FRONT COUNTER OR CALL (714) 765-4431 TO OBTAIN INFORMATION.
10. A PLUMBING PERMIT IS REQUIRED FROM ANAHEIM BUILDING DIVISION FOR ANY NEW, ALTERED OR PREPARED PLUMBING SYSTEM ON PRIVATE PROPERTY. THE BUILDING DIVISION IS LOCATED ON THE FIRST FLOOR OF CITY HALL EAST, 200 S. ANAHEIM BLVD. OR CALL (714) 765-5743 EXT. 0.
11. CONTRACTOR SHALL CONTACT CITY OF ANAHEIM WATER INSPECTION AT (714) 765-4591 PRIOR TO BEGINNING WORK. ALL EXCAVATION AROUND EXISTING PUBLIC WATER FACILITIES SHALL BE OBSERVED BY CITY WATER INSPECTOR.
12. ALL ONSITE WATER LINES (DOMESTIC, FIRE AND IRRIGATION) SHALL BE PRIVATELY OWNED AND MAINTAINED BEGINNING AT THE CUSTOMER SIDE OF EACH METER AND ONTO THE PRIVATE PROPERTY.
13. ANY STRUCTURAL INFILTRATION BMP'S SHALL MEET THE FOLLOWING MINIMUM SEPARATION REQUIREMENTS:
   A. THE INFILTRATION SYSTEMS MUST BE LOCATED AT LEAST 100 FEET HORIZONTALLY FROM ANY WATER SUPPLY WELLS.
   B. THE VERTICAL DISTANCE FROM THE BOTTOM OF THE INFILTRATION SYSTEM TO THE SEASONAL HIGH GROUNDWATER LEVEL MUST BE AT LEAST 10 FEET.

ADDITIONAL NOTES:

1. THERE IS AN UPCOMING BRIDGE WIDENING PROJECT (RCP2016-12348) ALONG ORANGEWOOD AVE. THAT IS SCHEDULED TO BEGIN CONSTRUCTION IN MARCH 2026 AND BE COMPLETED BY SEPTEMBER 2027. CONTACT RALPH CONTRERAS AT (714)765-4526 OR RCONTRERAS@ANAHEIM.NET WITH ANY QUESTIONS.
2. CONTRACTOR FOR RIVER PARK WILL BE EXPECTED TO COORDINATE.

SURVEY NOTE:

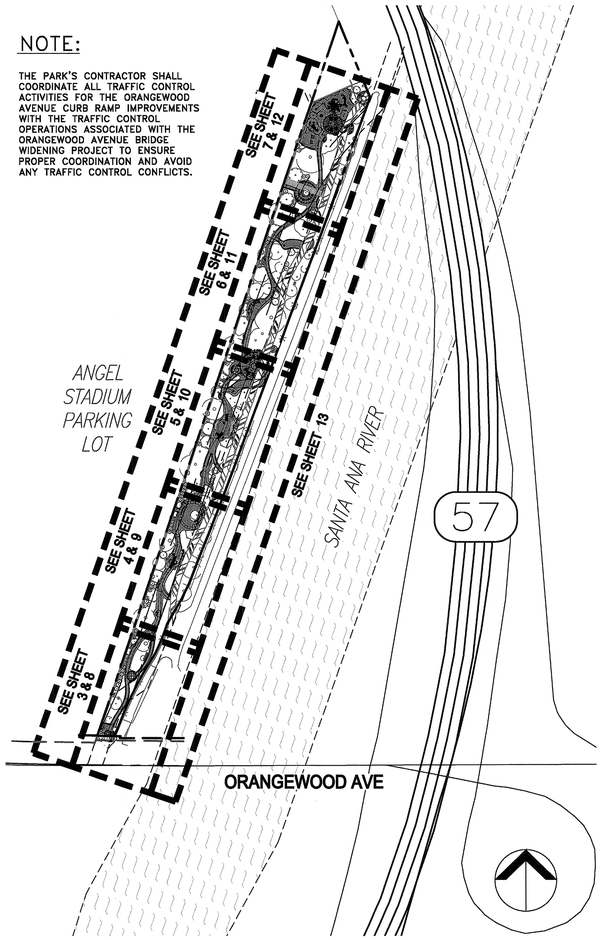
1. ALL IMPROVEMENTS ARE BASED ON SURVEY INFORMATION PROVIDED BY THE CITY OF ANAHEIM.

BASIS OF BEARINGS

THE CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE , NAD 83 (1991.35 EPOCH) BASED UPON THE ORANGE COUNTY SURVEYOR'S HORIZONTAL CONTROL POINTS: 3095R1 & 3100. SAID LINE HAVING A BEARING OF N 35° 19' 51" E CITY OF ANAHEIM SURVEY SECTION BASE MAP No. 20-50

NOTE:

THE PARK'S CONTRACTOR SHALL COORDINATE ALL TRAFFIC CONTROL ACTIVITIES FOR THE ORANGEWOOD AVENUE CURB RAMP IMPROVEMENTS WITH THE TRAFFIC CONTROL OPERATIONS ASSOCIATED WITH THE ORANGEWOOD AVENUE BRIDGE WIDENING PROJECT TO ENSURE PROPER COORDINATION AND AVOID ANY TRAFFIC CONTROL CONFLICTS.



LOCATION MAP
NTS

EROSION CONTROL GENERAL NOTES

1. IN CASE OF AN EMERGENCY RELATIVE TO EROSION CONTROL, AND SEDIMENT CONTROL, CONTACT: **PARKS** AT **(714) 765-5155**, 24 HOURS A DAY.
2. ALL SEDIMENT CONTROL BMPS (I.E. GRAVEL BAGS, SILT FENCE, FIBER ROLLS) SHALL BE IN PLACE AT THE END OF EACH WORKING DAY AND ON WEEKENDS WHEN THE NATIONAL WEATHER SERVICE 5-DAY FORECAST (WWW.WEATHER.GOV) SHOWS GREATER THAN 50% CHANCE OF PRECIPITATION WITHIN 48 HOURS.
3. ALL BMPS ON EROSION CONTROL PLANS SHALL BE INSPECTED AT LEAST WEEKLY, AND 48 HOURS FOLLOWING ANY RAIN EVENT OF 0.5 INCHES OR MORE. CORRECTIVE ACTIONS SHALL BE INITIATED WITHIN 24 HOURS OF IDENTIFYING A DEFICIENCY AND COMPLETED WITHIN 7 DAYS.
4. DESILTING BASINS SHALL BE DRAINED OR PUMPED DRY NO SOONER THAN 24 HOURS AFTER BUT NO LATER THAN 48 HOURS AFTER ACCUMULATION. DEWATERING SHALL BE PERFORMED ABOVE THE SETTLING ZONE TO AVOID DISTURBING SEDIMENT CAPTURED IN THE BASIN. SILT AND DEBRIS SHALL BE REMOVED AND PROPERLY DISPOSED OF WHEN THE SEDIMENT STORAGE CAPACITY IS MET.
5. IF THE COMBINATION OF EROSION AND SEDIMENT CONTROL BMPS ON THE EROSION CONTROL IS DETERMINED BY THE PUBLIC WORKS INSPECTOR TO BE INADEQUATE OR INEFFECTIVE, THE EROSION CONTROL PLAN SHALL BE MODIFIED AND RESUBMITTED TO PUBLIC WORKS FOR REVIEW, APPROVAL AND IMPLEMENTATION. DURING THIS PROCESS, ALL REASONABLE MEASURES SHALL BE IMPLEMENTED TO ADDRESS THE FAILURE.

SIGNATURE — 5/14/2026 DATE

67660
RCE NO.

6-30-2027
EXP. DATE

IMPERVIOUS AREA

EXISTING: 15,072 SQ FT PROPOSED: 24,252 SQ FT (+9,180 SQ FT NEW)

LEGAL DESCRIPTION

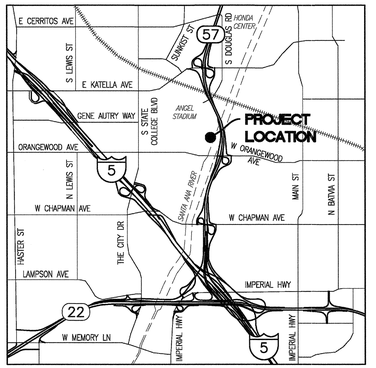
BEING A PORTION OF LAND OF THE RANCHO SANTIAGO DE SANTA ANA IN THE CITIES OF ANAHEIM AND ORANGE, COUNTY OF ORANGE, STATE OF CALIFORNIA, PER MAP FILED IN BOOK 3, PAGE 420 OF PATENTS, RECORDS OF LOS ANGELES COUNTY AND FILED IN BOOK 3, PAGE 101 OF MISCELLANEOUS RECORDS LOS ANGELES, IN THE OFFICE OF THE COUNTY RECORDER OF ORANGE COUNTY.

PROJECT SCOPE

THE SCOPE OF THE PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW PARK INCLUDING PLANTING, IRRIGATION, DG WALKING PATH, SHADE STRUCTURES, FENCING, CONCRETE PLAZAS AND PLAYGROUND

LEGEND

- GRADING LIMITS
- 8' HT SECURITY WELDED WIRED MESH FENCE
- PEDESTRIAN CONCRETE PAVEMENT
- VEHICULAR CONCRETE PAVEMENT
- STABILIZED DECOMPOSITE GRANITE PAVEMENT
- ENGINEERED WOOD FIBER SURFACING
- COBBLE
- TUFFTRACK WITH STABILIZED DECOMPOSED GRANITE
- EASEMENT LIMITS (EASEMENT TYPE SEPARATED BY HATCH ANGLE)
- EXISTING DIRT AND LANDSCAPING TO BE REMOVED FOR PROPOSED IMPROVEMENTS
- CLEAR AND GRUB EXISTING GROUND FOR ALL EXPOSED SOIL TO REMOVE WEEDS IN PREPARATION FOR PLANTING AND IRRIGATION
- REMOVE EXISTING FENCE
- EXISTING TREE DRIPLINES. CLEAR AND GRUB EXISTING GROUND FOR ALL EXPOSED SOIL TO REMOVE WEEDS UNDER EXISTING TREE DRIP LINES--ALL WORK TO BE DONE BY HAND
- PROPERTY LINE
- LIMIT OF WORK
- EXISTING FENCE



VICINITY MAP
NTS

ABBREVIATIONS

ASPH	ASPHALT	HP	HIGH POINT
BOT	BOTTOM OF TRENCH	LP	LOW POINT
COMM	COMMUNICATION	LS	LANDSCAPING
CONC	CONCRETE	MH	MANHOLE
CL	CENTERLINE	PL	PROPERTY LINE
ESMT	EASEMENT	S=	SLOPE
EX	EXISTING	SS	SANITARY SEWER
FG	FINISHED GROUND	TC	TOP OF CURB
FL	FLOW LINE	TG	TOP OF GRATE
FS	FINISHED SURFACE	TOP	TOP OF PIPE
GWR	GROUND WATER REPLENISHMENT	TYP	TYPICAL

UTILITY PROVIDERS

WATER SERVICE PROVIDED BY:	CITY OF ANAHEIM PUBLIC UTILITIES DEPT. 201 SOUTH ANAHEIM BLVD. ANAHEIM, CA 92805 (714) 765 - 3300
SEWER SERVICE PROVIDED BY:	ORANGE COUNTY SANITATION DISTRICT 10844 ELLIS AVE. FOUNTAIN VALLEY, CA 92708 (714) 962-2411
ELECTRICAL SERVICE PROVIDED BY:	ANAHEIM PUBLIC UTILITIES 201 S ANAHEIM BLVD#107, ANAHEIM, CA 92805 (714) 765-3300

SHEET INDEX

TITLE SHEET	1 (C1.0)
GENERAL & CONSTRUCTION NOTES	2 (C2.0)
DEMOLITION PLAN	3 (C3.0) TO 7 (C3.4)
GRADING PLAN	8 (C4.0) TO 12 (C4.4)
EROSION CONTROL PLAN	13 (C5.0)
DETAIL SHEET	14 (C6.0) TO 15 (C6.1)
LANDSCAPE CONSTRUCTION DETAILS	16 (LC-200) TO 18 (LC-202)

RAW EARTHWORK ESTIMATE

CUT (CY): 549 OVEREXC. CUT (CY): 1,935
FILL (CY): 516 OVEREXC. FILL (CY): 1,935

MAX DEPTH CUT (FT): 2
MAX DEPTH FILL (FT): 2

NET (CY): 33 (EXPORT) TOTAL AREA (AC): 3.09
NET SOIL DISTURBED (AC): 0.88

CERTIFICATION

SEAL

I HEREBY CERTIFY THAT THE GRADING HAS BEEN COMPLETED IN ACCORDANCE WITH THIS APPROVED GRADING PLAN

SIGNATURE — DATE

NAME — RCE NO.

GEOTECHNICAL REVIEW

THIS PLAN HAS BEEN REVIEWED AND CONFORMS TO RECOMMENDATIONS OF THE SOILS ENGINEERING/GEOLOGIC REPORT DATED April 21, 2026. and addendum dated August 25, 2025.

REGISTERED PROFESSIONAL ENGINEER — MEHRAB JESMANI — No. Exp. 6-30-2027 — GEOTECHNICAL — STATE OF CALIFORNIA

SIGNATURE — 5/13/2026 DATE

APPROVED:

BUILDING OFFICIAL — 5/20/26 DATE

RECOMMEND APPROVAL:

MIKE ESKANDER-DEVELOPMENT SERVICES MANAGER — 5/21/26 DATE

APPROVED:

JOANNE HWANG - PLANNING SERVICES, DEPUTY DIRECTOR — 5/18/26 DATE

APPROVED FOR GRADING ONLY:

CARLOS CASTELLANOS - CITY ENGINEER — 5/21/26 DATE

FOR CITY USE ONLY

SIGN HERE

WDID #N/A

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:
BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION = 153.529' (NAVD 1988) 2010 LEVELED

OWNER OR DEVELOPER:
CITY OF ANAHEIM
COMMUNITY SERVICES DEPARTMENT
ANA STRAABE PHONE: (714) 765-4463
200 S. ANAHEIM BLVD., SUITE 433
ANAHEIM, CA 92805

SOILS ENGINEER:
HARRINGTON GEOTECHNICAL ENGINEERING, INC.
1590 N. BRIAN STREET, ORANGE, CA 92867-3406
JOSEPH L. WELCH, P.E., G.E. PHONE: (714)637-3093
PROJECT NO: HGEI PROJECT 21-ANA-0491, DATE: 7/21/21

PREPARED BY:

PROACTIVE
ENGINEERING CONSULTANTS
27051 Towne Centre Drive, Suite 270
Foothill Ranch, CA 92610 (949) 716-7460

I HEREBY CERTIFY THAT:
1. THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION:
2. THE GRADING SHOWN HEREON WILL NOT DIVERT DRAINAGE FROM ITS NATURAL DOWNSTREAM COURSE OR OBSTRUCT THE DRAINAGE OF ADJACENT PROPERTIES:

REGISTERED PROFESSIONAL ENGINEER — FELIX GONZALEZ — No. 67660 Exp. 6-30-2027 — CIVIL — STATE OF CALIFORNIA

ENGINEER — 06-30-2027 EXP. DATE
FELIX GONZALEZ

TITLE SHEET

SITE ADDRESS:
2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806

SCALE: SCALE PER SHEET | DRAWN BY: AM/WL | CHECKED BY: OM/FG

CITY OF ANAHEIM

C1.0
GRA2025-04067
SHEET 1 OF 18
D-128/129

Drawing Name: N:\25.007.000\PLN\PLANS\GRA\25.007-RIVERPARK-PG-01-TS.dwg

ELECTRICAL ENGINEERING NOTES

1. ALL EXISTING ELECTRICAL UTILITY FACILITIES SHALL BE PROTECTED IN PLACE. THE CONTRACTOR PERFORMING THIS WORK SHALL BE RESPONSIBLE FOR ALL COSTS AS A RESULT OF ANY DAMAGE OR REPAIRS TO EXISTING FACILITIES.

2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN ALL ELECTRICAL UTILITY FACILITIES INCLUDING, BUT NOT LIMITED TO: UTILITY POLES, STREET LIGHTS, PULL BOXES, PAD MOUNTED EQUIPMENT, VAULTS, UNDERGROUND TRANSMISSION & DISTRIBUTION DUCTBANK, SECONDARY LINES, VENT PIPES, ETC. IF RELOCATION OR REMOVAL OF EXISTING FACILITIES IS REQUIRED, THE CONTRACTOR SHALL CONTACT ELECTRICAL ENGINEERING AT (714) 765-5156 FOR A SERVICE PLAN AT THE CONTRACTOR'S EXPENSE.

   A. CONTACT URECORDS@ANAHEIM.NET TO OBTAIN AS-BUILT / RECORD DRAWINGS AND SHOW ANAHEIM ELECTRICAL UTILITY FACILITIES INFORMATION ON THE PLANS WITH THE PROPER CLEARANCES. IT MAY TAKE UP TO TEN (10) BUSINESS DAYS TO RECEIVE A RESPONSE. ADDITIONAL FOLLOW-UP MAY BE NEEDED DEPENDING ON THE NATURE OF THE RECORDS REQUEST INVOLVING CRITICAL INFRASTRUCTURE INFORMATION (CII) AND A NON-DISCLOSURE AGREEMENT (NDA) WILL NEED TO BE EXECUTED.

3. CONTRACTOR SHALL CONTACT CITY OF ANAHEIM ELECTRICAL UTILITIES INSPECTOR AT (714) 292-8881 TEN (10) BUSINESS DAYS PRIOR TO BEGINNING WORK. ALL EXCAVATION AROUND EXISTING ELECTRICAL UTILITY FACILITIES SHALL BE OBSERVED BY CITY ELECTRICAL INSPECTOR.

4. IN CASE OF AN EMERGENCY, THE CONTRACTOR SHALL IMMEDIATELY CONTACT ELECTRICAL UTILITY FIELD/OPERATIONS AT (714) 765-3300.

5. UNLESS SPECIFIED OTHERWISE ON PLANS, ALL ELECTRICAL UTILITY FACILITIES ARE CONSIDERED ENERGIZED. CONTRACTOR SHALL UTILIZE NON-INVASIVE EXCAVATION METHODS WITHIN CLOSE PROXIMITY TO ALL ELECTRICAL UTILITY FACILITIES. CONTACT CITY OF ANAHEIM ELECTRICAL UTILITIES INSPECTOR AT (714) 292-8881 FOR APPROVED METHODS.

6. TYPICAL UNDERGROUND ELECTRICAL UTILITY DUCT BANKS ARE INSTALLED PER ANAHEIM CONSTRUCTION STANDARD CU 1600-4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO POTHOLE AND CONFIRM EXACT DEPTH OF EXISTING ELECTRICAL FACILITIES. FOR REFERENCE, TYPICAL DEPTHS OF ANAHEIM ELECTRICAL UTILITY FACILITIES ARE AS FOLLOWS:

   A. 48 INCH STANDARD COVER (36 INCH MINIMUM) FROM THE TOP OF THE CONCRETE ENCASEMENT TO FINISHED SURFACE FOR TRANSMISSION (69 KV) FACILITIES.

   B. 48 INCH STANDARD COVER (36 INCH MINIMUM) FROM THE TOP OF THE CONCRETE ENCASEMENT TO FINISHED SURFACE FOR DISTRIBUTION (6.9 KV, 12 KV) FACILITIES.

   C. 36 INCH STANDARD COVER (24 INCH MINIMUM) FROM THE TOP OF THE CONCRETE ENCASEMENT TO FINISHED SURFACE FOR SECONDARY & STREET LIGHTING (< 600 V) FACILITIES.

7. UNLESS OTHERWISE APPROVED, THE CONTRACTOR SHALL MAINTAIN MINIMUM CLEARANCES BETWEEN EXISTING ELECTRICAL FACILITIES AND ANY PROPOSED IMPROVEMENTS PER CALIFORNIA PUBLIC UTILITIES COMMISSION GENERAL ORDER 95, 128, AND ANAHEIM CONSTRUCTION STANDARDS.

8. IF PAVING IS IN THE SCOPE OF WORK, ELECTRICAL VAULTS AND STRUCTURES SHALL BE EXPOSED AND ADJUSTED TO GRADE BY AN APPROVED ANAHEIM ELECTRICAL UTILITY CONTRACTOR. CONTACT ELECTRICAL ENGINEERING AT (714) 765-5156 TO OBTAIN THE LATEST PREQUALIFIED HIGH-VOLTAGE ELECTRICAL CONTRACTOR LIST. ALL ADJUSTMENT WORK SHALL BE COORDINATED WITH AN ANAHEIM ELECTRICAL UTILITIES INSPECTOR AT (714) 292-8881.

DEMOLITION NOTES

- P PROTECT IN PLACE. IDENTIFIED PER PLAN.
- 1 CLEAR AND GRUB EXISTING GROUND FOR ALL EXPOSED SOIL TO REMOVE WEEDS IN PREPARATION FOR PLANTING AND IRRIGATION.
- 2 REMOVE AND DISPOSE OF EXISTING DIRT AND LANDSCAPING FOR PROPOSED IMPROVEMENTS.
- 3 REMOVE AND DISPOSE OF EXISTING FENCE AND FENCE FOOTINGS.
- 4 REMOVE EXISTING RIP-RAP AND STORE ON-SITE TO BE USED AS BOULDERS IN THE PROPOSED PARK. CLEAR AND GRUB UNDER RIP RAP ONCE REMOVED.
- 5 ALL CLEARING AND GRUBBING AND WEED REMOVAL UNDER EXISTING TREE DRIP LINES TO BE PERFORMED BY HAND. NO EQUIPMENT ALLOWED.
- 6 REMOVE EXISTING WOOD POLE PLACED ON THE GROUND
- 7 REMOVE AND SAVE EXISTING FENCE, POST, PANEL, AND GATES TO BE RE-USED PER BLD 2025-04799.
- 8 REMOVE EXISTING POST AND CHAIN LINK.
- 9 REMOVE EXISTING ASPHALT WALKWAY.
- 10 REMOVE EXISTING CONCRETE CURB.
- 11 OVER-EXCAVATE SOIL PER GEOTECHNICAL REPORT (24" MIN).
- 12 REMOVE EXISTING CHAIN-LINK PANEL AND PIPE RAIL. CUT POSTS TO 2" ABOVE ANGELS SIDE FINISH SURFACE. ALL SHORTENED POSTS WILL BE THE SAME HEIGHT. FILL WITH CONCRETE AND CAP (PER BUILDING PERMIT #BLD2025-04799).
- 13 REMOVE AND REPLACE EXISTING CHAIN-LINK FENCE FABRIC (PER BUILDING PERMIT #BLD2025-04799).

EROSION CONTROL NOTES

- E1 PLACE STRAW WADDLE PER CASQA DETAIL SE-5. SEE SHEET 15 (C6.1) FOR DETAILS.
- E2 SILT FENCE PER CASQA DETAIL SE-1. SEE SHEET 15 (C6.1) FOR DETAILS.
- E3 MATERIAL DELIVERY AND STORAGE PER CASQA DETAIL WM-1.
- E4 SOLID WASTE MANAGEMENT PER CASQA DETAIL WM-5.
- E5 CONCRETE WASTE MANAGEMENT PER CASQA DETAIL WM-9.
- E6 SANITARY/SEPTIC WASTE MANAGEMENT PER CASQA DETAIL WM-9.
- E7 STABILIZED CONSTRUCTION ENTRANCE PER CASQA DETAIL TC-1. SHEET 15 (C6.1) FOR DETAILS.
- E8 INLET PROTECTION PER CASQA DETAIL SE-10.

CONSTRUCTION NOTES

1. CONSTRUCT 4" THICK PEDESTRIAN CONCRETE PAVING PER DETAIL 1 ON SHEET 16 (LC-200).
2. CONSTRUCT 6" THICK VEHICULAR CONCRETE PAVING PER DETAIL 1 ON SHEET 16 (LC-200).
3. CONSTRUCT 4" THICK STABILIZED DECOMPOSITE GRANITE PAVING PER DETAIL 1 ON SHEET 18 (LC-202). THE SURFACE IS STABLE, FIRM, AND SLIP RESISTANT FOR ACCESSIBLE ROUTES.
4. CONSTRUCT 4" WIDE CONCRETE MOW CURB HEADER PER DETAIL 5 ON SHEET 16 (LC-200)
5. EXISTING AC PAVING PROTECT IN PLACE FOR COLOR ENHANCEMENT COATING PER BUILDING PERMIT #BLD2025-04799.
6. ENGINEERED WOOD FIBER SURFACING PER DETAIL 10 SHEET 16 (LC-200).
7. CONSTRUCT 5" THICK VEHICULAR STABILIZED DECOMPOSED GRANITE WITH PX300 STABILIZER PER DETAIL 1 ON SHEET 18 (LC-202).
8. COBBLE LINED SURFACE PER DETAIL 2 ON SHEET 18 (LC-202).
9. 8' HT SECURITY WELDED WIRE MESH FENCE PER SEPARATE BUILDING PERMIT #BLD2025-04799.
10. SINGLE SWING PANEL WIRE MESH GATE MAINTENANCE PER BUILDING PERMIT #BLD2025-04799.
11. SEAT WALL (18" TALL) PER BUILDING PERMIT #BLD2025-04799.
12. PREFABRICATED STEEL SHADE STRUCTURE PER BUILDING PERMIT #BLD2025-04799.
13. DRINKING FOUNTAIN WITH BOTTLE FILLER AND DOG BOWL PER BUILDING PERMIT #BLD2025-04799.
14. DAYLIGHT TO MATCH EXISTING GRADES (4: 1 TYPICAL MAX SLOPE).
15. DOUBLE SWING VEHICULAR GATE PER BUILDING PERMIT #BLD2025-04799.
16. BENCH AND SEATING FOOTING PER DETAIL 7 ON SHEET 16 (LC-200)
17. TRASH RECEPTACLE AND/OR DOG STATION PER BUILDING PERMIT #BLD2025-04799.
18. SIGNAGE PER BUILDING PERMIT #BLD2025-04799 & SGN2025-00163.
19. INTERPRETIVE PANELS PER BUILDING PERMIT #BLD2025-04799.
20. CANOE SCULPTURE PER BUILDING PERMIT #BLD2025-04799.
21. FITNESS EQUIPMENT FOOTING DETAIL 9 ON SHEET 16 (LC-200).
22. REMOVEABLE PEDESTRIAN FOOTBRIDGE PER BUILDING PERMIT #BLD2025-04799.
23. LANDSCAPE BOULDERS PER BUILDING PERMIT #BLD2025-04799.
24. PEDESTRIAN SOLAR LIGHTING PER BUILDING PERMIT #BLD2025-04799.
25. CONSTRUCT 8" WIDE DEEPENED CONCRETE CURB PER DETAIL 10 ON SHEET 16 (LC-200)
26. PLAYGROUND ACCESSIBLE RAMP DETAIL 4 ON SHEET 16 (LC-200)
27. BIKE RACK FOOTING PER DETAIL 8 ON SHEET 16 (LC-200)
28. CONSTRUCT EARTHEN SWALE TO INTERCEPT RUNOFF PER DETAIL 28 ON SHEET 15 (C6.1).
29. CONSTRUCT ASPHALT PAVEMENT PER GEOTECH RECOMMENDATIONS. SEE DETAIL 29 ON SHEET 15 (C6.1).
30. CONSTRUCT RAISED CONCRETE CURB AT WET SET COBLE PER DETAIL 6 ON SHEET 16 (LC-200) AND DETAIL 7 ON SHEET 17 (LC-201).
31. CONSTRUCT 6"X16" CONCRETE CURB AT FIBAR PER DETAIL 11 ON SHEET 16 (LC-200).
32. CONSTRUCT GRAVEL DRAINAGE PIT AT LOW POINTS PER DETAIL 32 ON SHEET 15 (C6.1).
33. 8' HT DECORATIVE FENCE PER BUILDING PERMIT #BLD2025-04799.
34. CONSTRUCT CONCRETE PAD FOR UTILITIES PER BUILDING PERMIT #BLD2025-04799
35. CONSTRUCT CONCRETE CURB PER CITY OF ANAHEIM STD. 120 TYPE "C".
36. INSTALL TRASH RACK (METAL BARS SPACING 3.5" O.C. MAX) PER DETAIL 36 ON SHEET 15 (C6.1).

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:
BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION = 153.529' (NAVD 1988) 2010 LEVELED

PLAN PREPARED BY:
PROACTIVE ENGINEERING CONSULTANTS
27051 Towne Centre Drive, Suite 270
Foothill Ranch, CA 92610 (949) 716-7460
REVIEWED BY:
FELIX GONZALEZ
DATE: 5/12/26
R.C.E #67660

GENERAL & CONSTRUCTION NOTES
SITE ADDRESS:
2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806

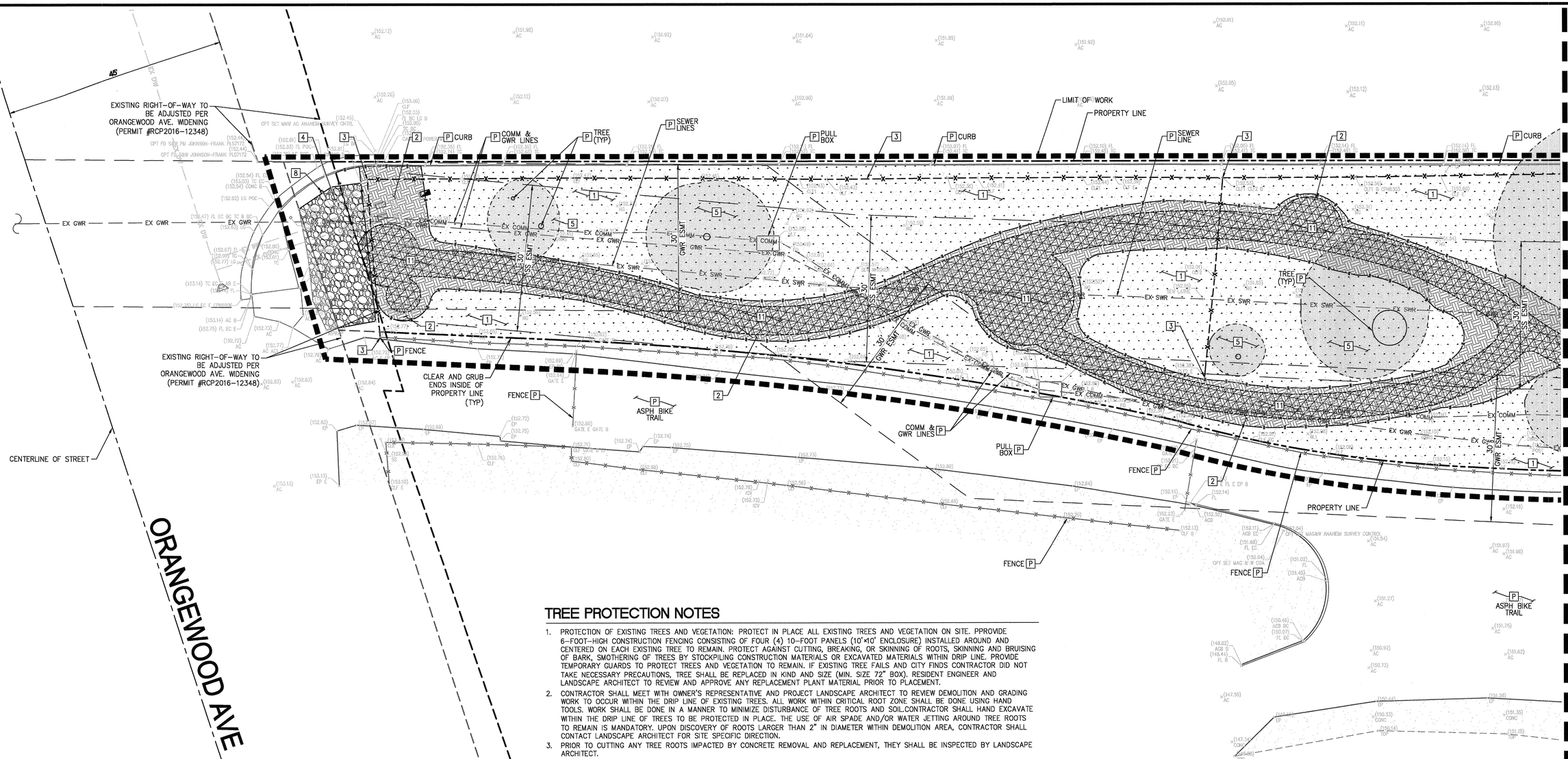
C2.0
GRA2025-04067
SHEET 2 OF 18

SCALE: SCALE PER SHEET | DRAWN BY: AM/WL | CHECKED BY: OM/FG

CITY OF ANAHEIM

D-128/129

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TREE PROTECTION NOTES

1. PROTECTION OF EXISTING TREES AND VEGETATION: PROTECT IN PLACE ALL EXISTING TREES AND VEGETATION ON SITE. PPROVIDE 6-FOOT-HIGH CONSTRUCTION FENCING CONSISTING OF FOUR (4) 10-FOOT PANELS (10'x10' ENCLOSURE) INSTALLED AROUND AND CENTERED ON EACH EXISTING TREE TO REMAIN. PROTECT AGAINST CUTTING, BREAKING, OR SKINNING OF ROOTS, SKINNING AND BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND VEGETATION TO REMAIN. IF EXISTING TREE FAILS AND CITY FINDS CONTRACTOR DID NOT TAKE NECESSARY PRECAUTIONS, TREE SHALL BE REPLACED IN KIND AND SIZE (MIN. SIZE 72" BOX). RESIDENT ENGINEER AND LANDSCAPE ARCHITECT TO REVIEW AND APPROVE ANY REPLACEMENT PLANT MATERIAL PRIOR TO PLACEMENT.
2. CONTRACTOR SHALL MEET WITH OWNER'S REPRESENTATIVE AND PROJECT LANDSCAPE ARCHITECT TO REVIEW DEMOLITION AND GRADING WORK TO OCCUR WITHIN THE DRIP LINE OF EXISTING TREES. ALL WORK WITHIN CRITICAL ROOT ZONE SHALL BE DONE USING HAND TOOLS. WORK SHALL BE DONE IN A MANNER TO MINIMIZE DISTURBANCE OF TREE ROOTS AND SOIL.CONTRACTOR SHALL HAND EXCAVATE WITHIN THE DRIP LINE OF TREES TO BE PROTECTED IN PLACE. THE USE OF AIR SPADE AND/OR WATER JETTING AROUND TREE ROOTS TO REMAIN IS MANDATORY. UPON DISCOVERY OF ROOTS LARGER THAN 2" IN DIAMETER WITHIN DEMOLITION AREA, CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT FOR SITE SPECIFIC DIRECTION.
3. PRIOR TO CUTTING ANY TREE ROOTS IMPACTED BY CONCRETE REMOVAL AND REPLACEMENT, THEY SHALL BE INSPECTED BY LANDSCAPE ARCHITECT.
4. UNILATERAL CUTTING OF ROOTS MUST BE PREVENTED UNLESS APPROVED BY A LANDSCAPE ARCHITECT.
5. ALL ROOT BARRIERS REMOVED OR DAMAGED DUE TO THE REMOVAL AND REPLACEMENT OF CONCRETE PAVING SHALL BE REPLACED TO THE SATISFACTION OF RESIDENT ENGINEER.
6. ALL EXISTING TREES IDENTIFIED TO REMAIN AND BE PROTECTED IN PLACE, SHALL BE MAINTAINED IN THEIR CURRENT HEALTHY STATE FOR THE DURATION OF THE PROJECT AND THROUGHOUT CONSTRUCTION.
7. TREE PROTECTION FENCE IS TO BE INSTALLED AT BOUNDARIES OF ALL CRITICAL ROOT ZONES. INSTALL FENCING ALONG EDGES OF PROTECTION ZONES BEFORE MATERIALS OR EQUIPMENT ARE BROUGHT ON THE SITE AND CONSTRUCITON OPERATIONS BEGIN. CONSTRUCT FENCING SO AS NOT TO OBSTRUCT SAFE PASSAGE OR VISIBILITY AT VEHICLE INTERSECTIONS OR PEDESTRIAN CIRCULATION. REMOVE PROTECTION FENCING AFTER CONSTRUCTION IS COMPLETE. TIMING TO BE APPROVED BY PROJECT ENGINEER.
   - 7.1. SECURLY ATTACH 6 FT HIGH CONSTRUCTION FENCING. PROVIDE MINIMUM 36" WIDE ACCESS TO ALLOW FOR MAINTENANCE ACTIVITES WITHIN THE TREE PROTECTION ZONE.
   - 7.2. INCLUDE PROTECTION-ZONE SIGNAGE: SHOP-FABRICATED, RIGID PLASTIC OR METAL SHEET, LEGIBLY PRINTED WITH NONFADING LETTERING, 3 - IN HIGH MIN BLACK CHARACTERS ON WHITE BACKGROUND. PLACE SIGNS APPROXIMATELY EVERY 20 FEET.
   - 7.3. MAINTAIN PROTECTION ZONES FREE OF WEEDS AND TRASH
8. DO NOT PRUNE OR TRIM TREES. DO NOT SCUFF OR TEAR TREE ROOTS. DO NOT CUT OR DAMAGE ROOTS 2" IN DIAMETER OR LARGER. ALL DAMAGED ROOTS TO HAVE STRAIGHT CLEAN CUTS WITH CLEAN SAW.
9. HEAVY EQUIPMENT SHALL REMAIN ON EXISTING PAVING AT ALL TIMES. IF EQUIPMENT MUST ACCESS ROOT ZONE AREAS OFF PAVING, PROTECT GRADE BY PLACING 3/4" PLYWOOD ON GRADE.
10. EQUIPMENT AND VEHICLES SHALL STAY OUT OF CRITICAL ROOT ZONE TO AVOID SCORCHING OF FOLIAGE, TWGS AND LIMBS CAUSED BY EXHAUST. DO NOT DAMAGE TREE TRUNKS AND LIMBS BY CONTACT WITH EQUIPMENT AND VEHICLES.
11. DO NOT DEPOSIT SOLVENTS, FUELS, CONCRETE WASHOUT MATERIALS, POWERED LIME OR OTHER HARMFUL MATERIALS IN OR NEAR TREE ROOT ZONE OR IN AREAS WHERE SUCH MATERIALS WILL LEAK OR WASH INTO TREE ROOT ZONE.
12. DO NOT PLACE SOIL IN EXCESS OF 3" ABOVE EXISTING GRADE IN CRITICAL ROOT ZONE AREAS.
13. DO NOT CHANGE SURFACE DRAINAGE OR IMPOUND WATER WITHIN DRIPLINE OF EXISTING TREE.
14. DO NOT USE EXISTING TREES AS TEMPORARY POWER POLE, BACKSTOP, WINCH SUPPORT, ANCHORAGE, OR OTHER SIMILAR FUNCTION.
15. PROHIBIT HEAT SOURCES, FLAMES, IGNITION SOURCES, AND SMOKING WITHIN OR NEAR PROTECTION ZONES AND ORGANIC MULCH.
16. DEMOLITION SHALL BE ACCOMPLISHED WITHOUT HARM TO TREE ROOTS AND SOILS. HEAVY EQUIPMENT MAY BE USED ONLY IF REMOVAL CAN BE ACCOMPLISHED WITHOUT DAMAGE TO TREE ROOTS AND SOILS. IF REMOVAL CANNOT BE ACCOMPLISHED WITHOUT DAMAGE TO TREE ROOTS AND SOILS, CONCRETE SHALL BE REMOVED BY HAND.
17. WHEN TRENCHING WITHIN CRITICAL ROOT ZONE. USE HAND TOOLS ONLY. TUNNEL UNDER AND AROUND ROOTS 1" IN DIAMETER OR LARGER.
18. WHEN GRADING OR PLANTING WITHIN CRITICAL ROOT ZONE, USE HAND TOOLS ONLY. REMOVE EXISTING PLANT MATERIAL AND SOIL USING HAND TOOLS ONLY. REMOVE NO MORE THAN 2" SOIL AND REPLACE WITH NO MORE THAN A COMBINED TOTAL OF 4" PREPARED BEDDING MIX AND SURFACE MULCH. MULCH AND SOIL SHALL NOT CONTACT TREE TRUNKS OR COVER EXPOSED SURFACE ROOTS.
19. WHEN PLANTING WITHIN CRITICAL ROOT ZONE DIG INDIVIDUAL SHALLOW PLANTING HOLES TO MINIMIZE DISTURBANCE OF EXISTING TREE ROOTS. ADJUST PLANTING HOLES TO ACCOMMODATE ROOTS MEASURING 1" IN DIAMETER OR LARGER.
20. MACHINE TILLING IN TREE ROOT ZONE IS PROHIBITED. EXISTING SOIL MAY BE TILLED USING A HAND HELD FORK TO A MAXIMUM DEPTH OF 2".
21. THE CITY OF ANAHEIM WILL PRUNE TREES PRIOR TO CONSTRUCTION. IF CONFLICTS EXIST WITH TREES DURING THE CONSTRUCTION PROCESS, PLEASE NOTIFY THE CITY FOR INSTRUCTIONS ON HOW TO PROCEED.

NOTE:

ONE HUNDRED PERCENT OF TREES, STUMPS, ROCKS AND ASSOCIATED VEGETATION AND SOILS RESULTING PRIMARILY FROM LAND CLEARING SHALL BE REUSED OR RECYCLED. FOR A PHASED PROJECT, SUCH MATERIAL MAY BE STOCKPILED ON SITE UNTIL THE STORAGE SITE IS DEVELOPED. EXCEPTION: REUSE, EITHER ON- OR OFF-SITE, OF VEGETATION OR SOIL CONTAMINATED BY DISEASE OR PEST INFESTATION. (CGBSC 5.408.3)

DEMOLITION NOTES

- P PROTECT IN PLACE. IDENTIFIED PER PLAN.
- 1 CLEAR AND GRUB EXISTING GROUND FOR ALL EXPOSED SOIL TO REMOVE WEEDS IN PREPARATION FOR PLANTING AND IRRIGATION.
- 2 REMOVE AND DISPOSE OF EXISTING DIRT AND LANDSCAPING FOR PROPOSED IMPROVEMENTS.
- 3 REMOVE AND DISPOSE OF EXISTING FENCE AND FENCE FOOTINGS.
- 4 REMOVE EXISTING RIP-RAP AND STORE ON-SITE TO BE USED AS BOULDERS IN THE PROPOSED PARK. CLEAR AND GRUB UNDER RIP RAP ONCE REMOVED.
- 5 ALL CLEARING AND GRUBBING AND WEED REMOVAL UNDER EXISTING TREE DRIP LINES TO BE PERFORMED BY HAND. NO EQUIPMENT ALLOWED.
- 8 REMOVE EXISTING POST AND CHAIN LINK.
- 11 OVER-EXCAVATE SOIL PER GEOTECHNICAL REPORT (24" MIN).

NOTE: ALL TREES TO BE PROTECTED IN PLACE

SCALE 1"=10'

10 5 0 10
SCALE: 1"=10'

LEGEND

- GWR EASEMENT LIMITS
- SS EASEMENT LIMITS
- EXISTING DIRT AND LANDSCAPING TO BE REMOVED FOR PROPOSED IMPROVEMENTS
- CLEAR AND GRUB EXISTING GROUND FOR ALL EXPOSED SOIL TO REMOVE WEEDS IN PREPARATION FOR PLANTING AND IRRIGATION
- OVER-EXCAVATION LIMITS
- REMOVE EXISTING FENCE AND FOOTINGS
- DAYLIGHT LIMIT
- EXISTING TREE DRIPLINES. CLEAR AND GRUB EXISTING GROUND FOR ALL EXPOSED SOIL TO REMOVE WEEDS UNDER EXISTING TREE DRIP LINES-ALL WORK TO BE DONE BY HAND
- PROPERTY LINE
- LIMIT OF WORK
- RIGHT-OF-WAY
- EXISTING FENCE TO REMAIN - PROTECT IN PLACE
- EXISTING FENCE TO BE REMOVED AND RE-USED

REVISIONS

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REVIEWED BY:
FELIX GONZALEZ
DATE: 5/12/26
R.C.E #67660

REGISTERED PROFESSIONAL ENGINEER FELIX GONZALEZ No. 67660 Exp. 6-30-2027 CIVIL STATE OF CALIFORNIA

DEMOLITION PLAN
SITE ADDRESS:
2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806
SCALE: SCALE PER SHEET | DRAWN BY: AM/WL

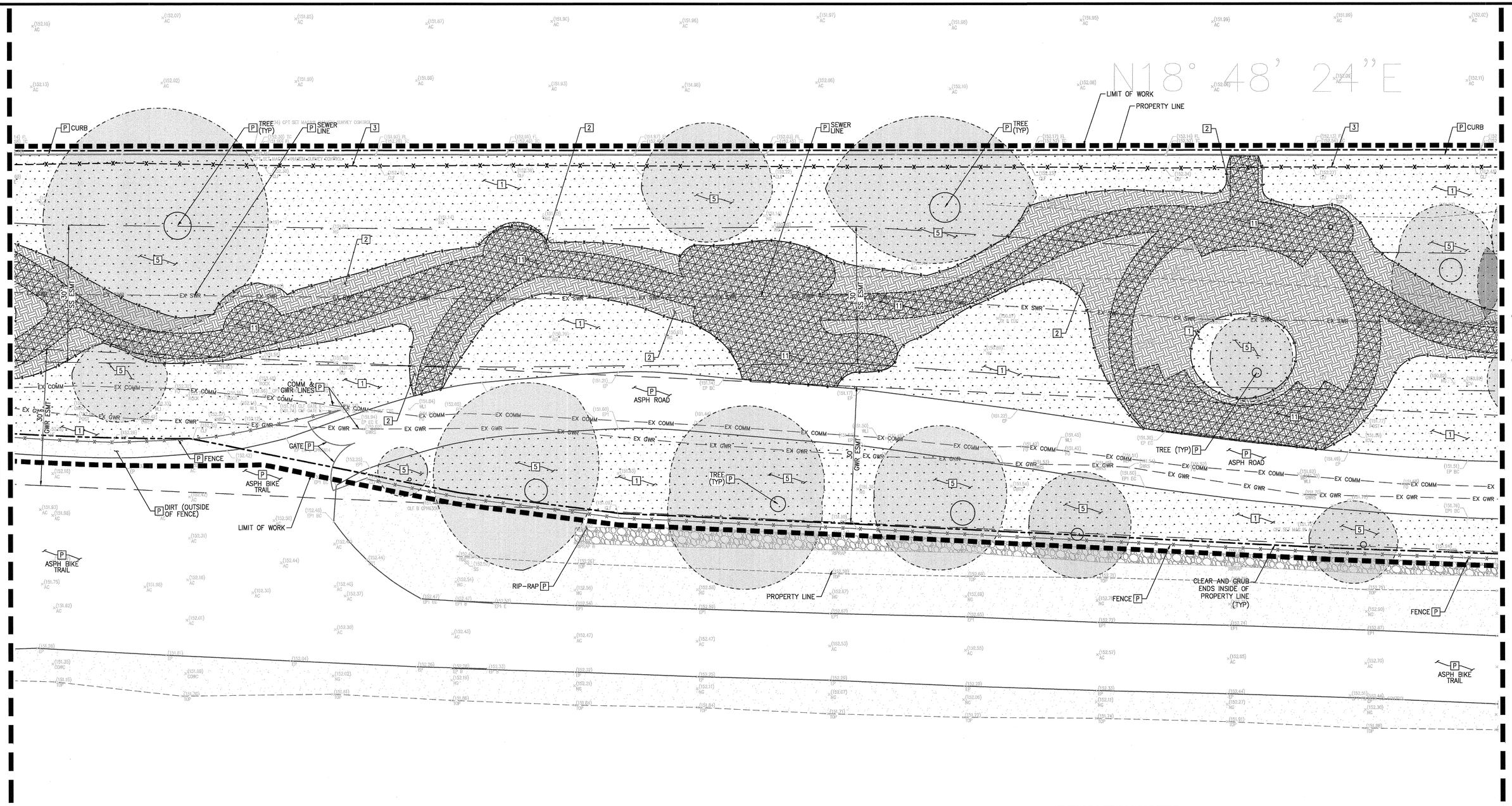
C3.0
GRA2025-04067
SHEET 3 OF 18
CHECKED BY: OM/FG

CITY OF ANAHEIM
D-128/129

FOR CITY USE ONLY

SEE SHEET 3 (C3.0)

SEE SHEET 5 (C3.2)



LEGEND

- GWR EASEMENT LIMITS
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- EXISTING DIRT AND LANDSCAPING TO BE REMOVED FOR PROPOSED IMPROVEMENTS
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11 OVER-EXCAVATE SOIL PER GEOTECHNICAL REPORT (24" MIN).

SCALE 1"=10'

10 5 0 10

SCALE: 1"=10'

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NOTE: ALL TREES TO BE PROTECTED IN PLACE
SEE TREE PROTECTION NOTES ON SHEET 3 (C3.0)

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CIVIL
STATE OF CALIFORNIA

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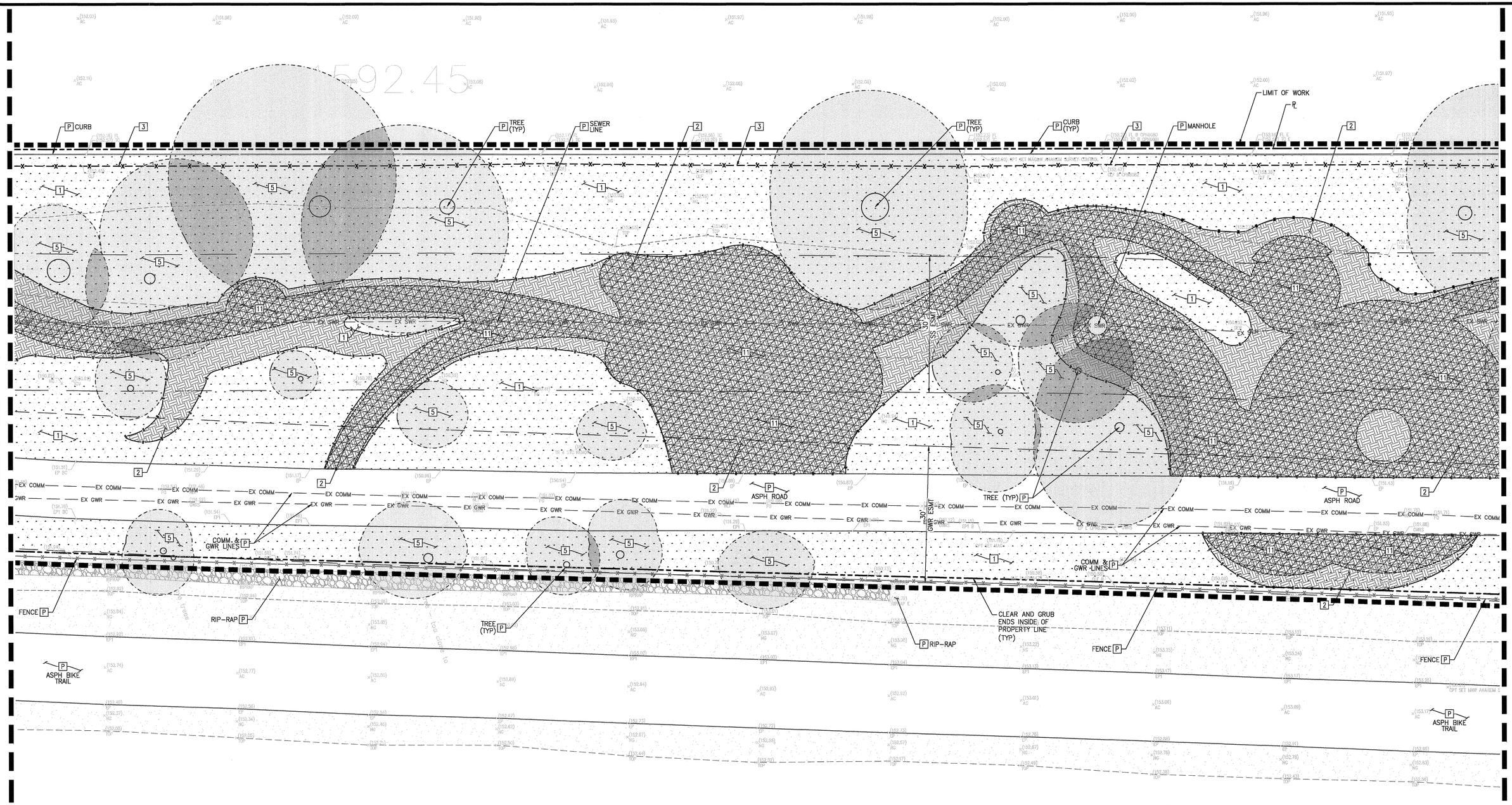
SCALE: SCALE PER SHEET | DRAWN BY: AM/WL | CHECKED BY: OM/FG

CITY OF ANAHEIM

C3.1
GRA2025-04067
SHEET 4 OF 18
D-128/129

SEE SHEET 4 (C3.1)

SEE SHEET 6 (C3.3)



LEGEND

- GWR EASEMENT LIMITS
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5 ALL CLEARING AND GRUBBING AND WEED REMOVAL UNDER EXISTING TREE DRIP LINES TO BE PERFORMED BY HAND. NO EQUIPMENT ALLOWED.

11 OVER-EXCAVATE SOIL PER GEOTECHNICAL REPORT (24" MIN).

SCALE 1"=10'

10 5 0 10

SCALE: 1"=10'

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REVISIONS

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NOTE: ALL TREES TO BE PROTECTED IN PLACE
SEE TREE PROTECTION NOTES ON SHEET 3 (C3.0)

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DEMOLITION PLAN

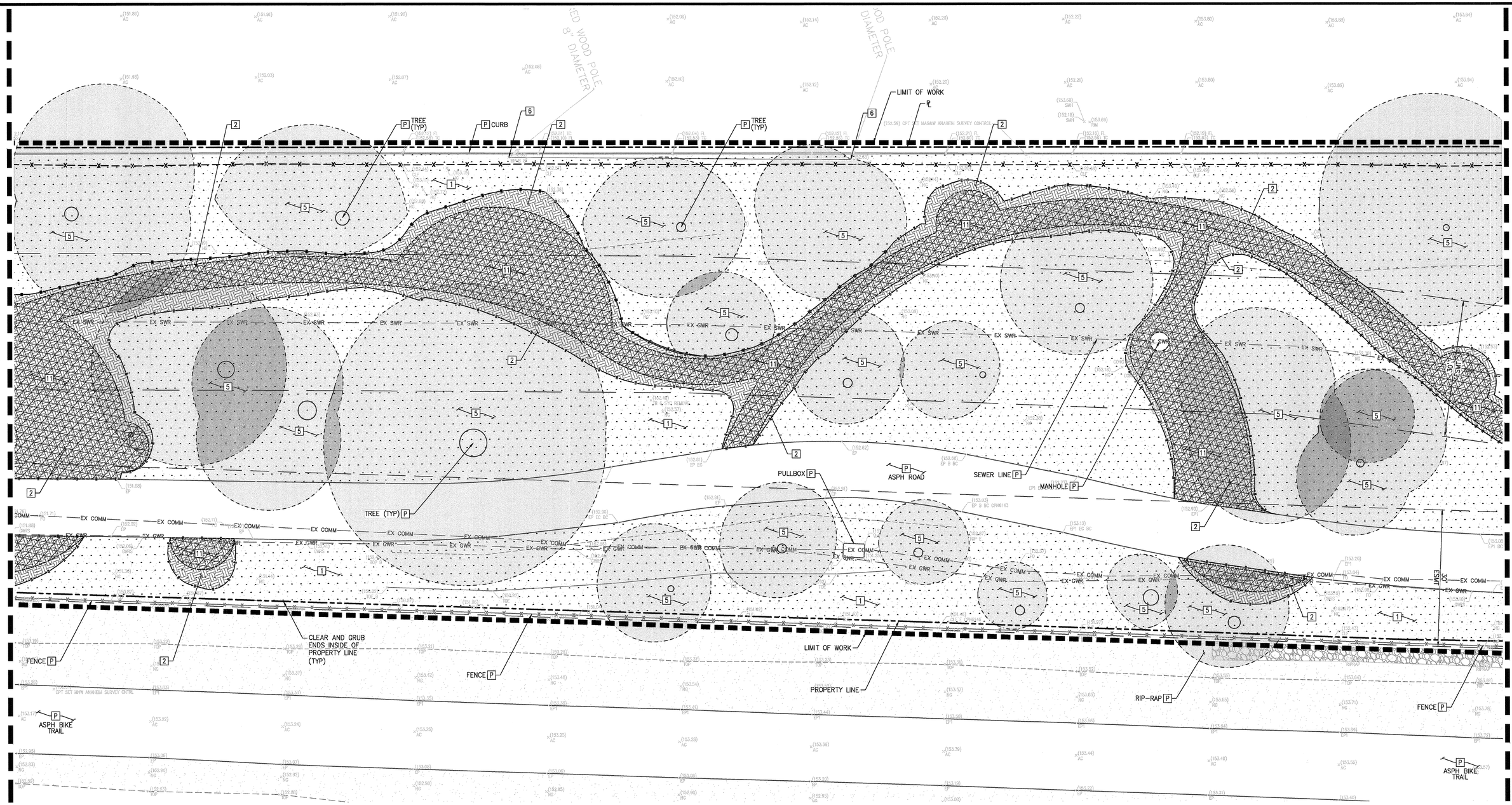
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CITY OF ANAHEIM

C3.2
GRA2025-04067
SHEET 5 OF 18
D-128/129

SEE SHEET 5 (C3.2)



SEE SHEET 7 (C3.4)

LEGEND

- GWR EASEMENT LIMITS
- SS EASEMENT LIMITS
- EXISTING DIRT AND LANDSCAPING TO BE REMOVED FOR PROPOSED IMPROVEMENTS
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5 ALL CLEARING AND GRUBBING AND WEED REMOVAL UNDER EXISTING TREE DRIP LINES TO BE PERFORMED BY HAND. NO EQUIPMENT ALLOWED.

6 REMOVE EXISTING WOOD POLE PLACED ON THE GROUND

11 OVER-EXCAVATE SOIL PER GEOTECHNICAL REPORT (24" MIN).

SCALE 1"=30'

30 15 0 30

SCALE: 1"=30'

REVISIONS

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NOTE: ALL TREES TO BE PROTECTED IN PLACE
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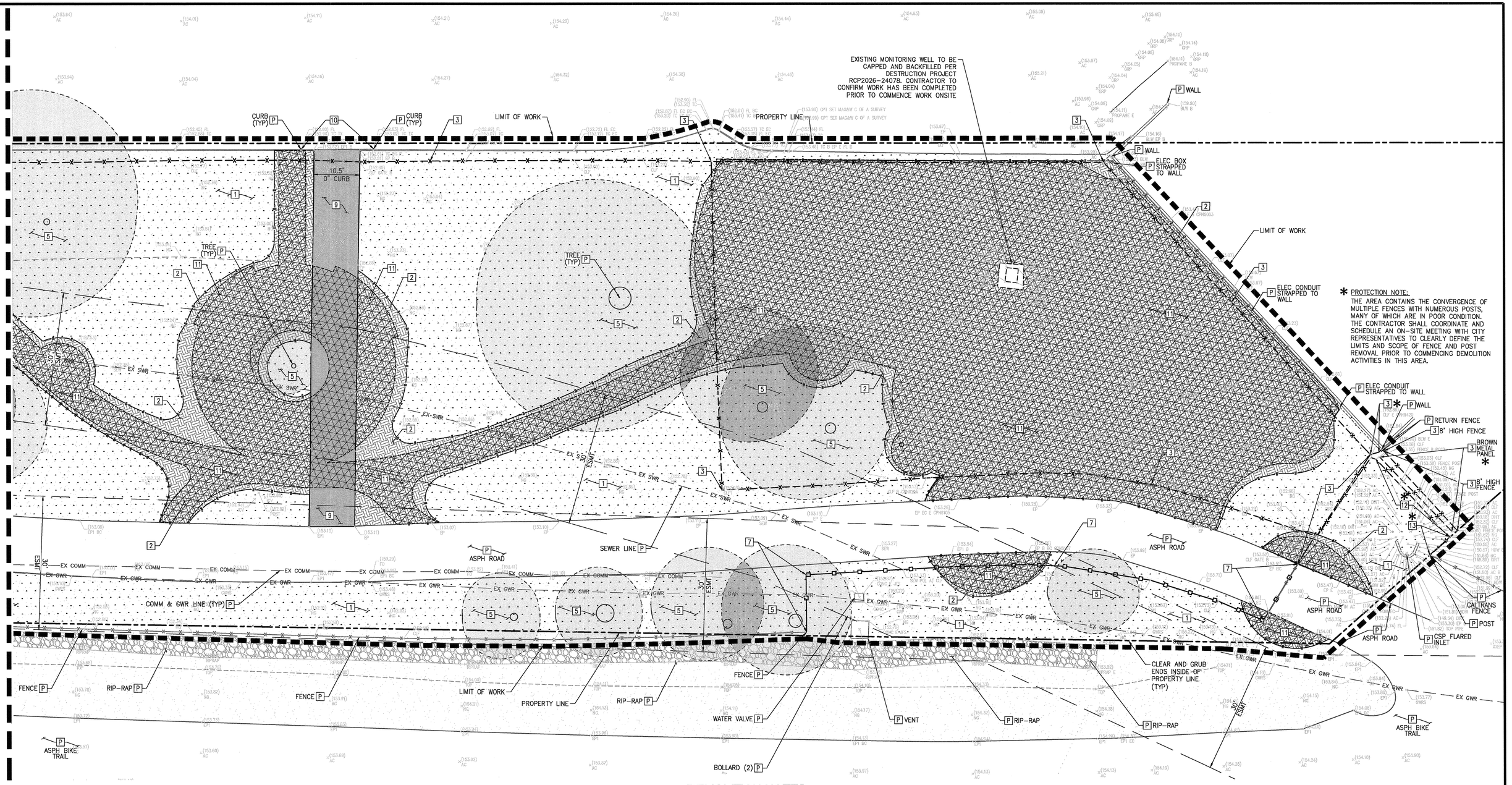
SCALE: SCALE PER SHEET | DRAWN BY: AM/WL | CHECKED BY: OM/FG

CITY OF ANAHEIM

C3.3
GRA2025-04067
SHEET 6 OF 18
D-128/129

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SEE SHEET 6 (C3.3)



LEGEND

- GWR EASEMENT LIMITS
- SS EASEMENT LIMITS
- EXISTING DIRT AND LANDSCAPING TO BE REMOVED FOR PROPOSED IMPROVEMENTS
- CLEAR AND GRUB EXISTING GROUND FOR ALL EXPOSED SOIL TO REMOVE WEEDS IN PREPARATION FOR PLANTING AND IRRIGATION
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3 REMOVE AND DISPOSE OF EXISTING FENCE AND FENCE FOOTINGS.

5 ALL CLEARING AND GRUBBING AND WEED REMOVAL UNDER EXISTING TREE DRIP LINES TO BE PERFORMED BY HAND. NO EQUIPMENT ALLOWED.

7 REMOVE AND SAVE EXISTING FENCE, POST, PANEL, AND GATES TO BE RE-USED PER BLD 2025-04799.

9 REMOVE EXISTING ASPHALT WALKWAY.

10 REMOVE EXISTING CONCRETE CURB.

11 OVER-EXCAVATE SOIL PER GEOTECHNICAL REPORT (24" MIN).

12 REMOVE EXISTING CHAIN-LINK PANEL AND PIPE RAIL. CUT POSTS TO 2" ABOVE ANGELS SIDE FINISH SURFACE. ALL SHORTENED POSTS WILL BE THE SAME HEIGHT. FILL WITH CONCRETE AND CAP (PER BUILDING PERMIT #BLD2025-04799).

13 REMOVE AND REPLACE EXISTING CHAIN-LINK FENCE FABRIC (PER BUILDING PERMIT #BLD2025-04799).

SCALE 1"=30'

30 15 0 30

SCALE: 1"=30'

NOTE: ALL TREES TO BE PROTECTED IN PLACE SEE TREE PROTECTION NOTES ON SHEET 3 (C3.0)

REVISIONS

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DEMOLITION PLAN

SITE ADDRESS:
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C3.4
GRA2025-04067
SHEET 7 OF 18
SCALE: SCALE PER SHEET
DRAWN BY: AM/WL
CHECKED BY: OM/FG

CITY OF ANAHEIM

D-128/129

FOR CITY USE ONLY

* LEVEL LANDING SPACE ON BOTH SIDES OF GATES (CBC Fig.11B-404.2.4.3)
  - A. LANDINGS SHALL BE LEVEL WITH MAX SLOPE OF 1:48.
  - B. THE LANDING ON THE SIDE WITH GATE SWING SHALL HAVE A MIN LENGTH OF 60" AND MIN 24" CLEAR SPACE PAST STRIKE EDGE OF THE GATE.
  - C. THE LANDING LENGTH ON THE SIDE WITHOUT DOOR SWING SHALL HAVE A MIN LENGTH OF48" (44" WITHOUT DOOR CLOSER) AND MIN 12" CLEAR SPACE PAST STRIKE EDGE OF DOOR UNLESS DOOR CLOSER IS NOT PROVIDED.

SEE GRADING DETAIL "A" BELOW

SEPARATE PERMIT NUMBERS BELOW

EXISTING RIGHT-OF-WAY TO BE ADJUSTED PER ORANGEWOOD AVE. WIDENING (PERMIT #RCP2016-12348)

EXISTING RIGHT-OF-WAY TO BE ADJUSTED PER ORANGEWOOD AVE. WIDENING (PERMIT #RCP2016-12348)

CENTERLINE OF STREET

ORANGEWOOD AVE

LIMIT OF WORK

PROPERTY LINE

EXISTING CURB

EX VAULT TO REMAIN

EX VAULT TO REMAIN

N: 2237221.6764
E: 6066481.8183

N: 2237170.2116
E: 6066468.7598

N: 2237713.2571
E: 6066447.7003

N: 2237119.1865
E: 6066452.5896

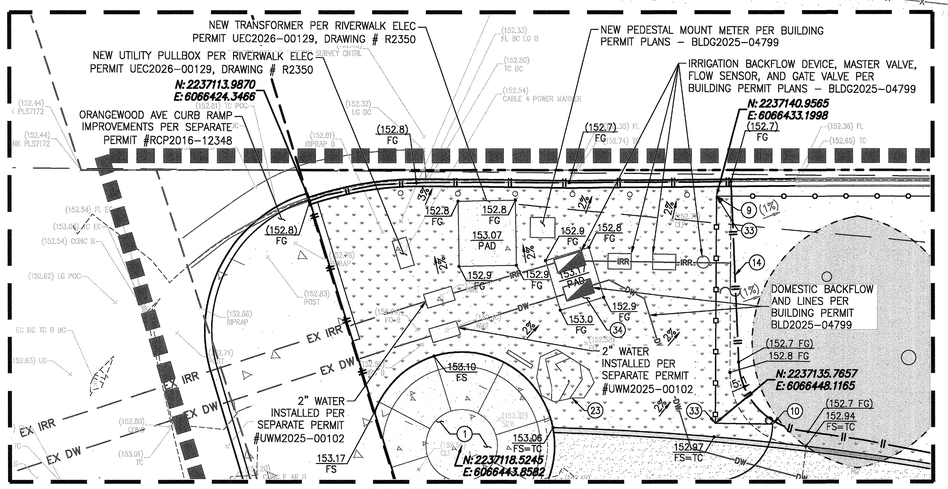
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N: 2237279.0616
E: 6066533.8726

SEE SHEET 9 (C4.1)



GRADING DETAIL "A"

SCALE: 1" = 5'

LEGEND

- PEDESTRIAN CONCRETE PAVEMENT
- VEHICULAR CONCRETE PAVEMENT
- STABILIZED DECOMPOSITE GRANITE PAVEMENT
- ENGINEERED WOOD FIBER SURFACING
- COBBLE
- ASPHALT PAVEMENT
- VEHICULAR STABILIZED DECOMPOSITE GRANITE PAVEMENT W/ PX300 STABILIZER
- EXISTING TREE DRIPLINES
- PROPERTY LINE
- LIMIT OF WORK
- RIGHT OF WAY
- EXISTING FENCE
- GRADING LIMITS
- 8' HT SECURITY WELDED WIRED MESH FENCE PER LANDSCAPE PLANS

CONSTRUCTION NOTES

1. CONSTRUCT 4" THICK PEDESTRIAN CONCRETE PAVING PER DETAIL 1 ON SHEET 16 (LC-200).
3. CONSTRUCT 4" THICK STABILIZED DECOMPOSITE GRANITE PAVING PER DETAIL 1 ON SHEET 18 (LC-202). THE SURFACE IS STABLE, FIRM, AND SLIP RESISTANT FOR ACCESSIBLE ROUTES.
4. CONSTRUCT 4" WIDE CONCRETE MOW CURB HEADER PER DETAIL 5 ON SHEET 16 (LC-200)
9. 8' HT SECURITY WELDED WIRE MESH FENCE PER SEPARATE BUILDING PERMIT #BLD2025-04799.
10. SINGLE SWING PANEL WIRE MESH GATE MAINTENANCE PER BUILDING PERMIT #BLD2025-04799.
14. DAYLIGHT TO MATCH EXISTING GRADES (4: 1 TYPICAL MAX SLOPE).
17. TRASH RECEPTACLE AND/OR DOG STATION PER BUILDING PERMIT #BLD2025-04799.
18. SIGNAGE PER BUILDING PERMIT #BLD2025-04799 & SGN2025-00163.
24. PEDESTRIAN SOLAR LIGHTING PER BUILDING PERMIT #BLD2025-04799.
28. CONSTRUCT EARTHEN SWALE TO INTERCEPT RUNOFF PER DETAIL 28 ON SHEET 15 (C6.1).
30. CONSTRUCT RAISED CONCRETE CURB AT WET SET COBLE PER DETAIL 6 ON SHEET 16 (LC-200) AND DETAIL 7 ON SHEET 17 (LC-201).
32. CONSTRUCT GRAVEL DRAINAGE PIT AT LOW POINTS PER DETAIL 32 ON SHEET 15 (C6.1).
33. 8' HT DECORATIVE FENCE PER BUILDING PERMIT #BLD2025-04799.
34. CONSTRUCT CONCRETE PAD FOR UTILITIES PER BUILDING PERMIT #BLD2025-04799.

SCALE 1"=10'

10 5 0 10

SCALE: 1"=10'

FOR CITY USE ONLY

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:
BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION = 153.529' (NAVD 1988) 2010 LEVELED

PLAN PREPARED BY:
PROACTIVE ENGINEERING CONSULTANTS
27051 Towne Centre Drive, Suite 270
Foothill Ranch, CA 92610 (949) 716-7460
REVIEWED BY:
FELIX GONZALEZ
REGISTERED PROFESSIONAL ENGINEER FELIX GONZALEZ No. 67660 Exp. 6-30-2027 CIVIL STATE OF CALIFORNIA
DATE: 5/12/26
R.C.E #67660

GRADING PLAN

SITE ADDRESS:
2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806

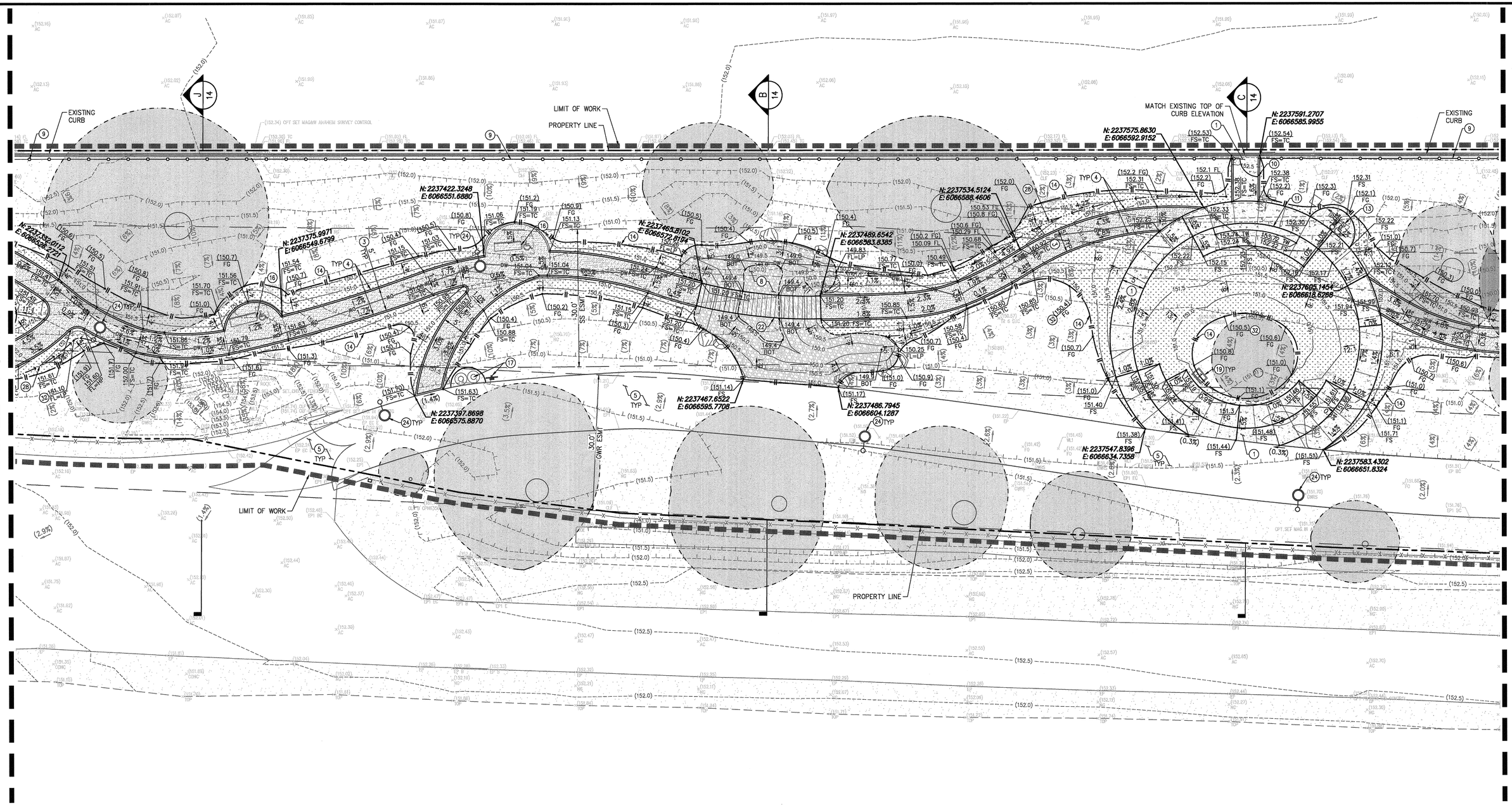
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CITY OF ANAHEIM

C4.0
GRA2025-04067
SHEET 8 OF 18
D-128/129

SEE SHEET 8 (C4.0)

SEE SHEET 10 (C4.2)



LEGEND

- PEDESTRIAN CONCRETE PAVEMENT
- VEHICULAR CONCRETE PAVEMENT
- STABILIZED DECOMPOSITE GRANITE PAVEMENT
- ENGINEERED WOOD FIBER SURFACING
- COBBLE
- ASPHALT PAVEMENT
- VEHICULAR STABILIZED DECOMPOSITE GRANITE PAVEMENT W/ PX300 STABILIZER
- EXISTING TREE DRIPLINES
- PROPERTY LINE
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- RIGHT OF WAY
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CONSTRUCTION NOTES

1. CONSTRUCT 4" THICK PEDESTRIAN CONCRETE PAVING PER DETAIL 1 ON SHEET 16 (LC-200).
3. CONSTRUCT 4" THICK STABILIZED DECOMPOSITE GRANITE PAVING PER DETAIL 1 ON SHEET 18 (LC-202). THE SURFACE IS STABLE, FIRM, AND SLIP RESISTANT FOR ACCESSIBLE ROUTES.
4. CONSTRUCT 4" WIDE CONCRETE MOW CURB HEADER PER DETAIL 5 ON SHEET 16 (LC-200)
5. EXISTING AC PAVING PROTECT IN PLACE FOR COLOR ENHANCEMENT COATING PER BUILDING PERMIT #BLD2025-04799.
8. COBBLE LINED SURFACE PER DETAIL 2 ON SHEET 18 (LC-202).
9. 8' HT SECURITY WELDED WIRE MESH FENCE PER SEPARATE BUILDING PERMIT #BLD2025-04799.
10. SINGLE SWING PANEL WIRE MESH GATE MAINTENANCE PER BUILDING PERMIT #BLD2025-04799.
11. SEAT WALL (18" TALL) PER BUILDING PERMIT #BLD2025-04799.
13. DRINKING FOUNTAIN WITH BOTTLE FILLER AND DOG BOWL PER BUILDING PERMIT #BLD2025-04799.
14. DAYLIGHT TO MATCH EXISTING GRADES (4:1 TYPICAL MAX SLOPE).
16. BENCH AND SEATING FOOTING PER DETAIL 7 ON SHEET 16 (LC-200)
17. TRASH RECEPTACLE AND/OR DOG STATION PER BUILDING PERMIT #BLD2025-04799.
19. INTERPRETIVE PANELS PER BUILDING PERMIT #BLD2025-04799.
22. REMOVEABLE PEDESTRIAN FOOTBRIDGE PER BUILDING PERMIT #BLD2025-04799.
24. PEDESTRIAN SOLAR LIGHTING PER BUILDING PERMIT #BLD2025-04799.
28. CONSTRUCT EARTHEN SWALE TO INTERCEPT RUNOFF PER DETAIL 28 ON SHEET 15 (C6.1).
32. CONSTRUCT GRAVEL DRAINAGE PIT AT LOW POINTS PER DETAIL 32 ON SHEET 15 (C6.1).

SCALE 1"=10'

10 5 0 10

SCALE: 1"=10'

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REVISIONS

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Foothill Ranch, CA 92610 (949) 716-7460

REVIEWED BY:
FELIX GONZALEZ

REGISTERED PROFESSIONAL ENGINEER
FELIX GONZALEZ
No. 67660
Exp. 6-30-2027
CIVIL
STATE OF CALIFORNIA

DATE: 5/12/26
R.C.E #67660

GRADING PLAN

SITE ADDRESS:
2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806

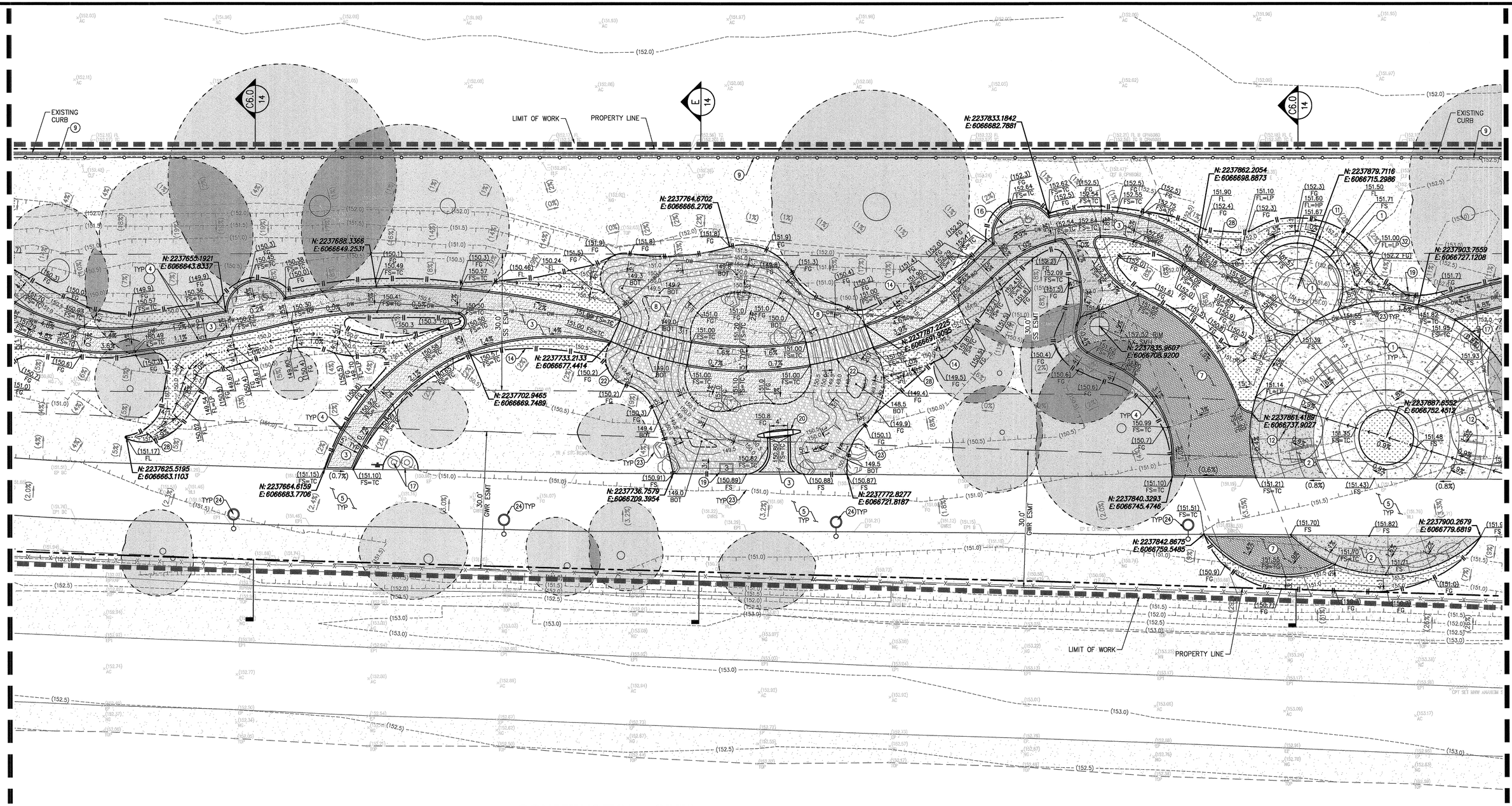
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CITY OF ANAHEIM

C4.1
GRA2025-04067
SHEET 9 OF 18
D-128/129

SEE SHEET 9 (C4.1)

SEE SHEET 11 (C4.3)



LEGEND

- PEDESTRIAN CONCRETE PAVEMENT
- VEHICULAR CONCRETE PAVEMENT
- STABILIZED DECOMPOSITE GRANITE PAVEMENT
- ENGINEERED WOOD FIBER SURFACING
- COBBLE
- ASPHALT PAVEMENT
- VEHICULAR STABILIZED DECOMPOSITE GRANITE PAVEMENT W/ PX300 STABILIZER
- EXISTING TREE DRIPLINES
- PROPERTY LINE
- LIMIT OF WORK
- RIGHT OF WAY
- EXISTING FENCE
- GRADING LIMITS
- 8' HT SECURITY WELDED WIRED MESH FENCE PER LANDSCAPE PLANS

CONSTRUCTION NOTES

1. CONSTRUCT 4" THICK PEDESTRIAN CONCRETE PAVING PER DETAIL 1 ON SHEET 16 (LC-200).
2. CONSTRUCT 6" THICK VEHICULAR CONCRETE PAVING PER DETAIL 1 ON SHEET 16 (LC-200).
3. CONSTRUCT 4" THICK STABILIZED DECOMPOSITE GRANITE PAVING PER DETAIL 1 ON SHEET 18 (LC-202). THE SURFACE IS STABLE, FIRM, AND SLIP RESISTANT FOR ACCESSIBLE ROUTES.
4. CONSTRUCT 4" WIDE CONCRETE MOW CURB HEADER PER DETAIL 5 ON SHEET 16 (LC-200)
5. EXISTING AC PAVING PROTECT IN PLACE FOR COLOR ENHANCEMENT COATING PER BUILDING PERMIT #BLD2025-04799.
7. CONSTRUCT 5" THICK VEHICULAR STABILIZED DECOMPOSED GRANITE WITH PX300 STABILIZER PER DETAIL 1 ON SHEET 18 (LC-202).
8. COBBLE LINED SURFACE PER DETAIL 2 ON SHEET 18 (LC-202).
9. 8' HT SECURITY WELDED WIRE MESH FENCE PER SEPARATE BUILDING PERMIT #BLD2025-04799.
11. SEAT WALL (18" TALL) PER BUILDING PERMIT #BLD2025-04799.
12. PREFABRICATED STEEL SHADE STRUCTURE PER BUILDING PERMIT #BLD2025-04799.
14. DAYLIGHT TO MATCH EXISTING GRADES (4: 1 TYPICAL MAX SLOPE).
17. TRASH RECEPTACLE AND/OR DOG STATION PER BUILDING PERMIT #BLD2025-04799.
19. INTERPRETIVE PANELS PER BUILDING PERMIT #BLD2025-04799.
20. CANOE SCULPTURE PER BUILDING PERMIT #BLD2025-04799.
22. REMOVEABLE PEDESTRIAN FOOTBRIDGE PER BUILDING PERMIT #BLD2025-04799.
23. LANDSCAPE BOULDERS PER BUILDING PERMIT #BLD2025-04799.
24. PEDESTRIAN SOLAR LIGHTING PER BUILDING PERMIT #BLD2025-04799.
28. CONSTRUCT EARTHEN SWALE TO INTERCEPT RUNOFF PER DETAIL 28 ON SHEET 15 (C6.1).
32. CONSTRUCT GRAVEL DRAINAGE PIT AT LOW POINTS PER DETAIL 32 ON SHEET 15 (C6.1).

SCALE 1"=10'

10 5 0 10

SCALE: 1"=10'

FOR CITY USE ONLY

REVISIONS

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REVIEWED BY:
FELIX GONZALEZ

REGISTERED PROFESSIONAL ENGINEER — FELIX GONZALEZ — No. 67660 Exp. 6-30-2027 — CIVIL — STATE OF CALIFORNIA

DATE: 5/12/26
R.C.E #67660

GRADING PLAN

SITE ADDRESS:
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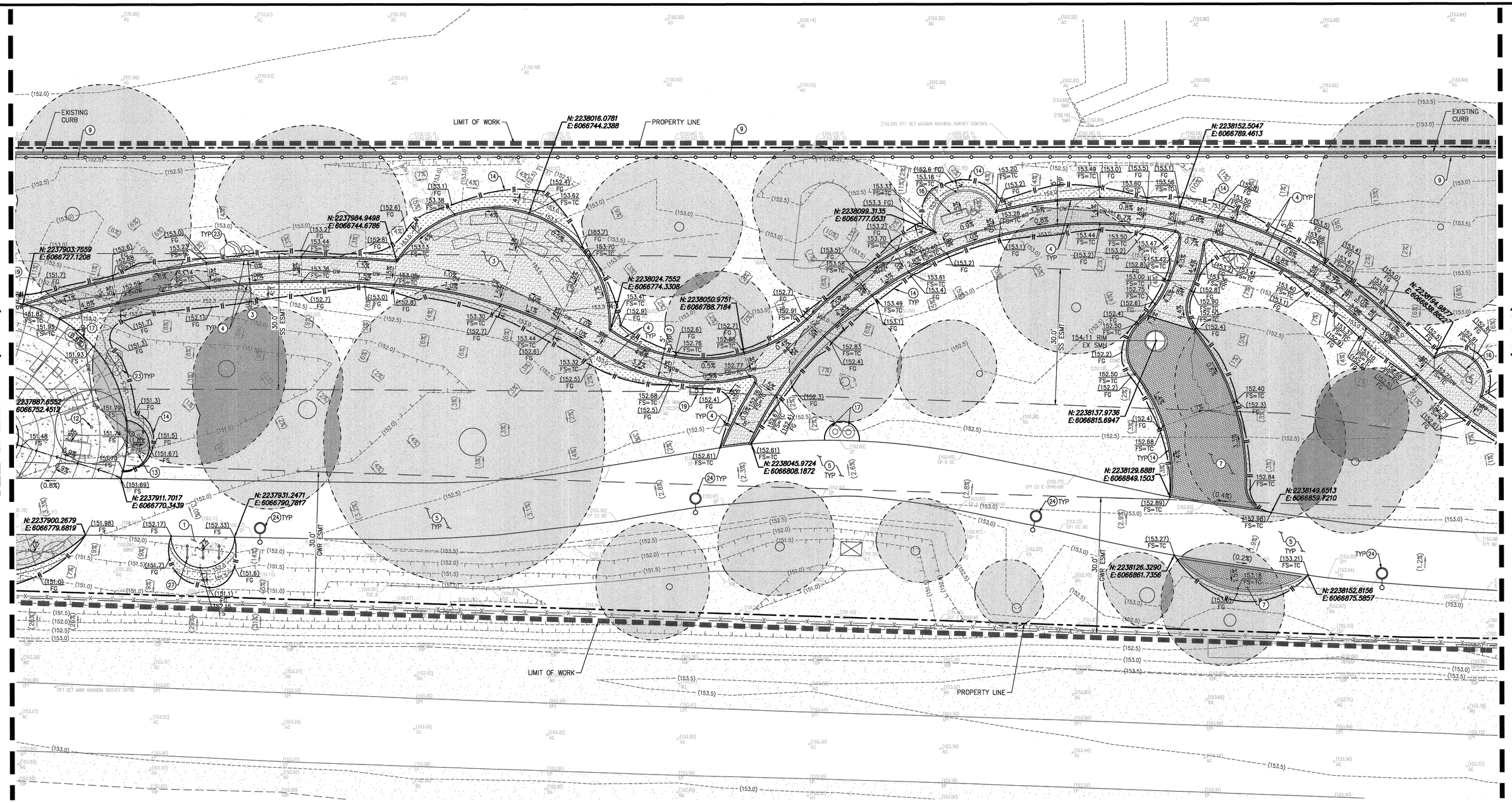
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CITY OF ANAHEIM

C4.2
GRA2025-04067
SHEET 10 OF 18
D-128/129

SEE SHEET 10 (C4.2)

SEE SHEET 12 (C4.4)



LEGEND

- PEDESTRIAN CONCRETE PAVEMENT
- VEHICULAR CONCRETE PAVEMENT
- STABILIZED DECOMPOSITE GRANITE PAVEMENT
- ENGINEERED WOOD FIBER SURFACING
- COBBLE
- ASPHALT PAVEMENT
- VEHICULAR STABILIZED DECOMPOSITE GRANITE PAVEMENT W/ PX300 STABILIZER
- EXISTING TREE DRIPLINES
- PROPERTY LINE
- LIMIT OF WORK
- RIGHT OF WAY
- EXISTING FENCE
- GRADING LIMITS
- 8' HT SECURITY WELDED WIRED MESH FENCE PER LANDSCAPE PLANS

CONSTRUCTION NOTES

1. CONSTRUCT 4" THICK PEDESTRIAN CONCRETE PAVING PER DETAIL 1 ON SHEET 16 (LC-200).
3. CONSTRUCT 4" THICK STABILIZED DECOMPOSITE GRANITE PAVING PER DETAIL 1 ON SHEET 18 (LC-202). THE SURFACE IS STABLE, FIRM, AND SLIP RESISTANT FOR ACCESSIBLE ROUTES.
4. CONSTRUCT 4" WIDE CONCRETE MOW CURB HEADER PER DETAIL 5 ON SHEET 16 (LC-200)
5. EXISTING AC PAVING PROTECT IN PLACE FOR COLOR ENHANCEMENT COATING PER BUILDING PERMIT #BLD2025-04799.
7. CONSTRUCT 5" THICK VEHICULAR STABILIZED DECOMPOSED GRANITE WITH PX300 STABILIZER PER DETAIL 1 ON SHEET 18 (LC-202).
9. 8' HT SECURITY WELDED WIRE MESH FENCE PER SEPARATE BUILDING PERMIT #BLD2025-04799.
12. PREFABRICATED STEEL SHADE STRUCTURE PER BUILDING PERMIT #BLD2025-04799.
13. DRINKING FOUNTAIN WITH BOTTLE FILLER AND DOG BOWL PER BUILDING PERMIT #BLD2025-04799.
14. DAYLIGHT TO MATCH EXISTING GRADES (4: 1 TYPICAL MAX SLOPE).
16. BENCH AND SEATING FOOTING PER DETAIL 7 ON SHEET 16 (LC-200)
17. TRASH RECEPTACLE AND/OR DOG STATION PER BUILDING PERMIT #BLD2025-04799.
19. INTERPRETIVE PANELS PER BUILDING PERMIT #BLD2025-04799.
23. LANDSCAPE BOULDERS PER BUILDING PERMIT #BLD2025-04799.
24. PEDESTRIAN SOLAR LIGHTING PER BUILDING PERMIT #BLD2025-04799.
27. BIKE RACK FOOTING PER DETAIL 8 ON SHEET 16 (LC-200)

SCALE 1"=10'

10 5 0 10

SCALE: 1"=10'

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REVISIONS

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REGISTERED PROFESSIONAL ENGINEER FELIX GONZALEZ No. 67660 Exp. 6-30-2027 CIVIL STATE OF CALIFORNIA
DATE: 5/12/26
R.C.E #67660

GRADING PLAN

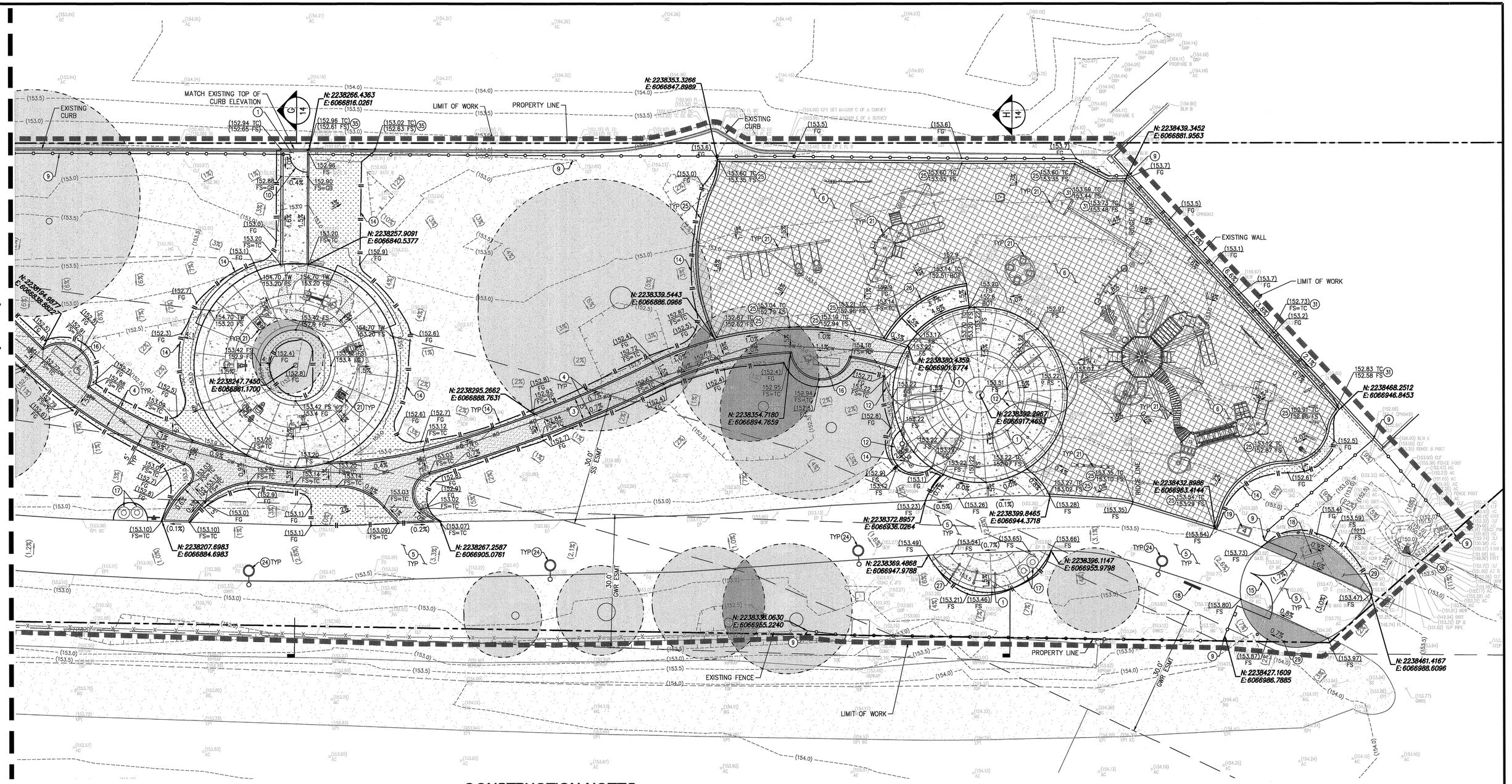
SITE ADDRESS:
2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806

SCALE: SCALE PER SHEET | DRAWN BY: AM/WL | CHECKED BY: OM/FG

CITY OF ANAHEIM

C4.3
GRA2025-04067
SHEET 11 OF 18
D-128/129

SEE SHEET 11 (C4.3)



LEGEND

- PEDESTRIAN CONCRETE PAVEMENT
- VEHICULAR CONCRETE PAVEMENT
- STABILIZED DECOMPOSITE GRANITE PAVEMENT
- ENGINEERED WOOD FIBER SURFACING
- COBBLE
- ASPHALT PAVEMENT
- VEHICULAR STABILIZED DECOMPOSITE GRANITE PAVEMENT W/ PX300 STABILIZER
- EXISTING TREE DRIPLINES
- PROPERTY LINE
- LIMIT OF WORK
- RIGHT OF WAY
- EXISTING FENCE
- GRADING LIMITS
- 8' HT SECURITY WELDED WIRED MESH FENCE PER LANDSCAPE PLANS

CONSTRUCTION NOTES

1. CONSTRUCT 4" THICK PEDESTRIAN CONCRETE PAVING PER DETAIL 1 ON SHEET 16 (LC-200).
3. CONSTRUCT 4" THICK STABILIZED DECOMPOSITE GRANITE PAVING PER DETAIL 1 ON SHEET 18 (LC-202). THE SURFACE IS STABLE, FIRM, AND SLIP RESISTANT FOR ACCESSIBLE ROUTES.
4. CONSTRUCT 4" WIDE CONCRETE MOW CURB HEADER PER DETAIL 5 ON SHEET 16 (LC-200)
5. EXISTING AC PAVING PROTECT IN PLACE FOR COLOR ENHANCEMENT COATING PER BUILDING PERMIT #BLD2025-04799.
6. ENGINEERED WOOD FIBER SURFACING PER DETAIL 10 SHEET 16 (LC-200).
9. 8' HT SECURITY WELDED WIRE MESH FENCE PER SEPARATE BUILDING PERMIT #BLD2025-04799.
10. SINGLE SWING PANEL WIRE MESH GATE MAINTENANCE PER BUILDING PERMIT #BLD2025-04799.
12. PREFABRICATED STEEL SHADE STRUCTURE PER BUILDING PERMIT #BLD2025-04799.
14. DAYLIGHT TO MATCH EXISTING GRADES (4: 1 TYPICAL MAX SLOPE).
15. DOUBLE SWING VEHICULAR GATE PER BUILDING PERMIT #BLD2025-04799.
16. BENCH AND SEATING FOOTING PER DETAIL 7 ON SHEET 16 (LC-200)
17. TRASH RECEPTACLE AND/OR DOG STATION PER BUILDING PERMIT #BLD2025-04799.
18. SIGNAGE PER BUILDING PERMIT #BLD2025-04799 & SGN2025-00163.
19. INTERPRETIVE PANELS PER BUILDING PERMIT #BLD2025-04799.
21. FITNESS EQUIPMENT FOOTING DETAIL 9 ON SHEET 16 (LC-200).
24. PEDESTRIAN SOLAR LIGHTING PER BUILDING PERMIT #BLD2025-04799.
25. CONSTRUCT 8" WIDE DEEPENED CONCRETE CURB PER DETAIL 10 ON SHEET 16 (LC-200)
26. PLAYGROUND ACCESSIBLE RAMP DETAIL 4 ON SHEET 16 (LC-200)
27. BIKE RACK FOOTING PER DETAIL 8 ON SHEET 16 (LC-200)
29. CONSTRUCT ASPHALT PAVEMENT PER GEOTECH RECOMMENDATIONS. SEE DETAIL 29 ON SHEET 15 (C6.1).
31. CONSTRUCT 6"X18" CONCRETE CURB AT FIBAR PER DETAIL 11 ON SHEET 16 (LC-200).
35. CONSTRUCT CONCRETE CURB PER CITY OF ANAHEIM STD. 120 TYPE "C".
36. INSTALL TRASH RACK (METAL BARS SPACING 3.5" O.C. MAX) PER DETAIL 36 ON SHEET 15 (C6.1).

SCALE 1"=10'

10 5 0 10

SCALE: 1"=10'

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REVISIONS

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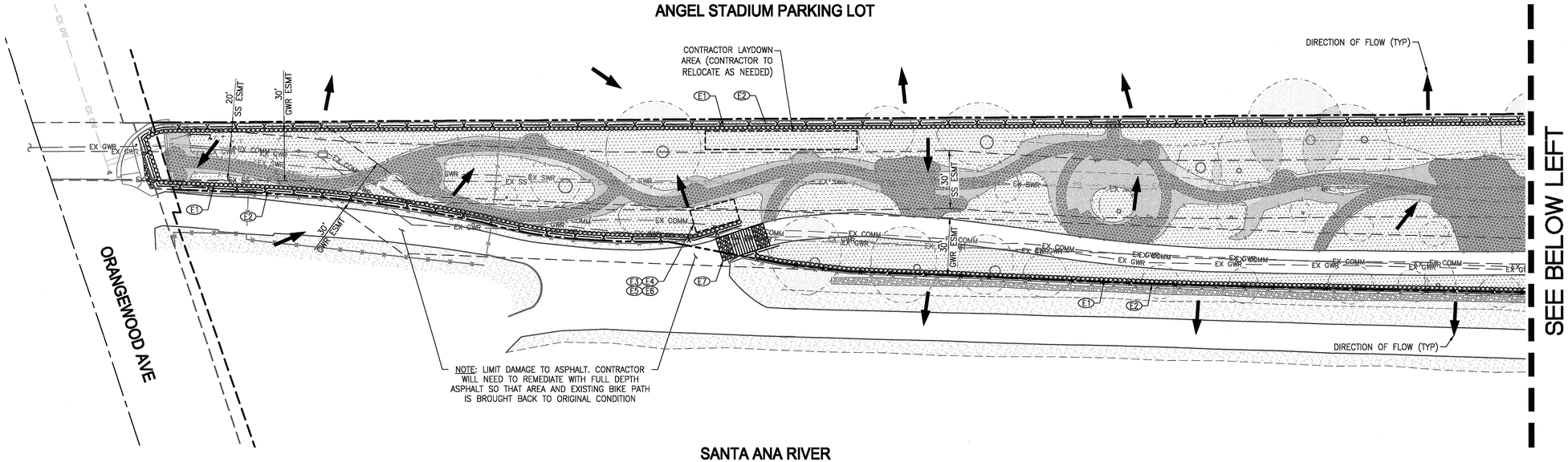
GRADING PLAN

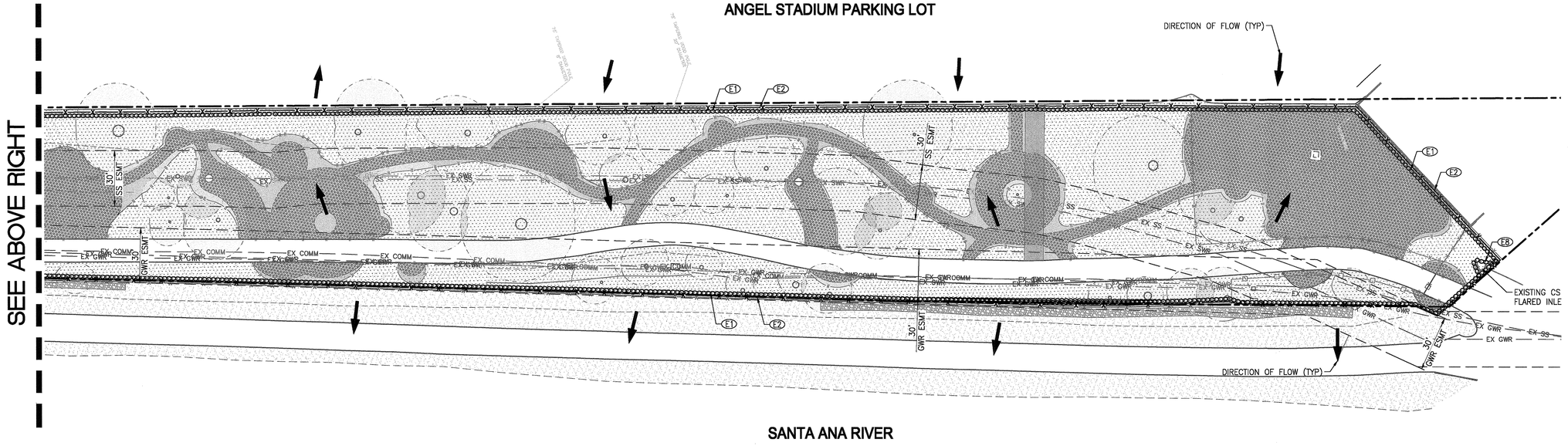
SITE ADDRESS:
2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806

SCALE: SCALE PER SHEET | DRAWN BY: AM/WL | CHECKED BY: OM/FG

CITY OF ANAHEIM

C4.4
GRA2025-04067
SHEET 12 OF 18
D-128/129





EROSION CONTROL NOTES

(E1) PLACE STRAW WADDLE PER CASQA DETAIL SE-5. SEE SHEET 15 (C6.1) FOR DETAILS.

(E2) SILT FENCE PER CASQA DETAIL SE-1. SEE SHEET 15 (C6.1) FOR DETAILS.

(E3) MATERIAL DELIVERY AND STORAGE PER CASQA DETAIL WM-1.

(E4) SOLID WASTE MANAGEMENT PER CASQA DETAIL WM-5.

(E5) CONCRETE WASTE MANAGEMENT PER CASQA DETAIL WM-9.

(E6) SANITARY/SEPTIC WASTE MANAGEMENT PER CASQA DETAIL WM-9.

(E7) STABILIZED CONSTRUCTION ENTRANCE PER CASQA DETAIL TC-1. SHEET 15 (C6.1) FOR DETAILS.

(E8) INLET PROTECTION PER CASQA DETAIL SE-10.

SCALE 1"=30'

30 15 0 30

SCALE: 1"=30'

FOR CITY USE ONLY

REVISIONS

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FELIX GONZALEZ

REGISTERED PROFESSIONAL ENGINEER — FELIX GONZALEZ — No. 67660 Exp. 6-30-2027 — CIVIL — STATE OF CALIFORNIA

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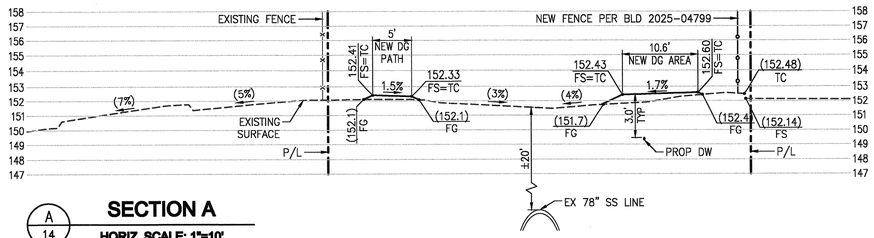
EROSION CONTROL PLAN

SITE ADDRESS:
2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806

SCALE: SCALE PER SHEET | DRAWN BY: AM/WL | CHECKED BY: OM/FG

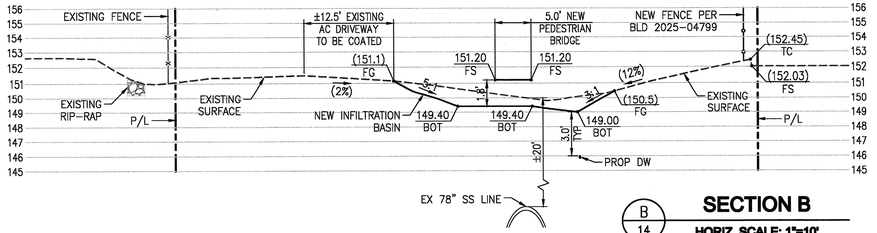
CITY OF ANAHEIM

C5.0
GRA2025-04067
SHEET 13 OF 18
D-128/129



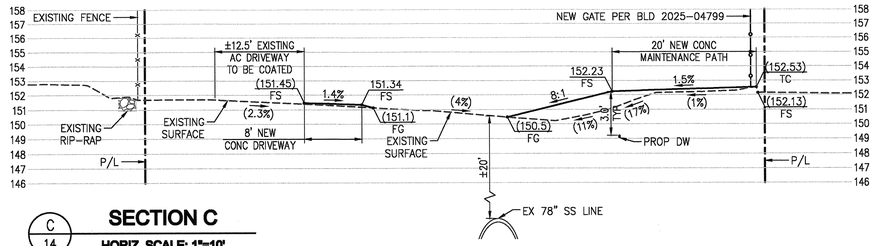
A 14 **SECTION A**

HORIZ. SCALE: 1"=10'
VERT. SCALE: 1"=5'



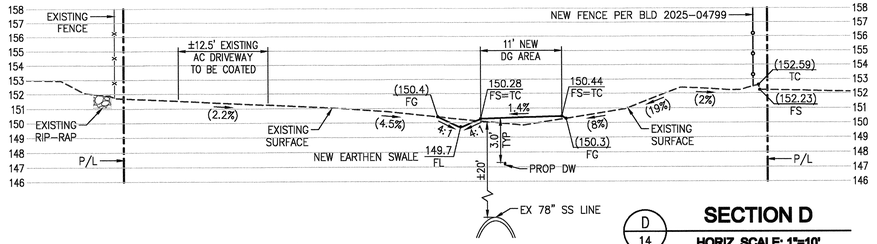
B 14 **SECTION B**

HORIZ. SCALE: 1"=10'
VERT. SCALE: 1"=5'



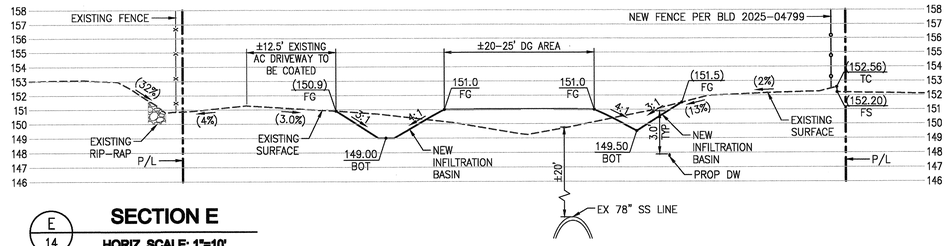
C 14 **SECTION C**

HORIZ. SCALE: 1"=10'
VERT. SCALE: 1"=5'



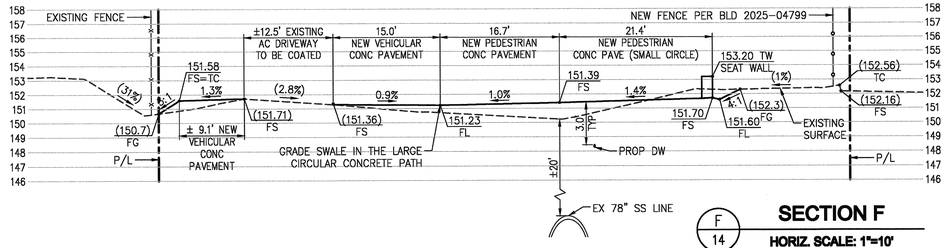
D 14 **SECTION D**

HORIZ. SCALE: 1"=10'
VERT. SCALE: 1"=5'



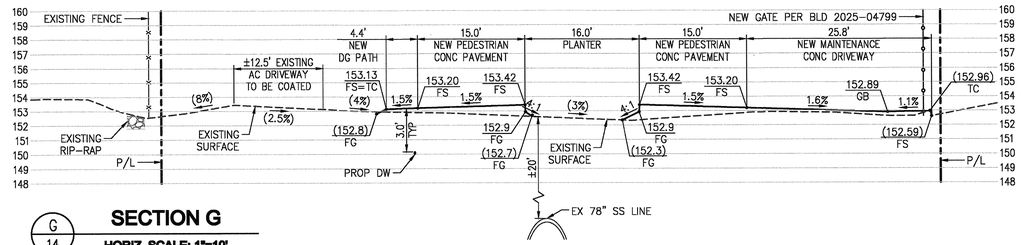
E 14 **SECTION E**

HORIZ. SCALE: 1"=10'
VERT. SCALE: 1"=5'



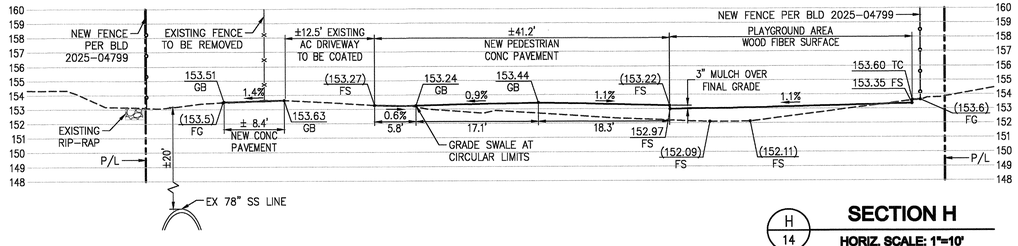
F 14 **SECTION F**

HORIZ. SCALE: 1"=10'
VERT. SCALE: 1"=5'



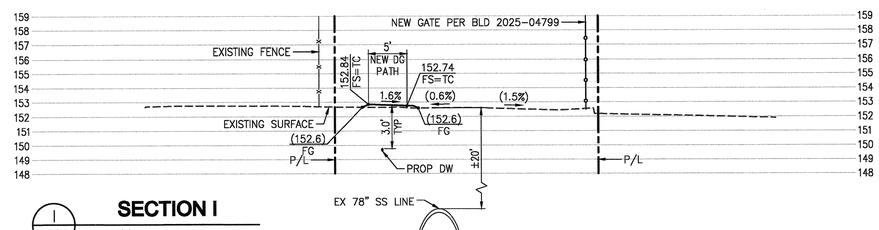
G 14 **SECTION G**

HORIZ. SCALE: 1"=10'
VERT. SCALE: 1"=5'



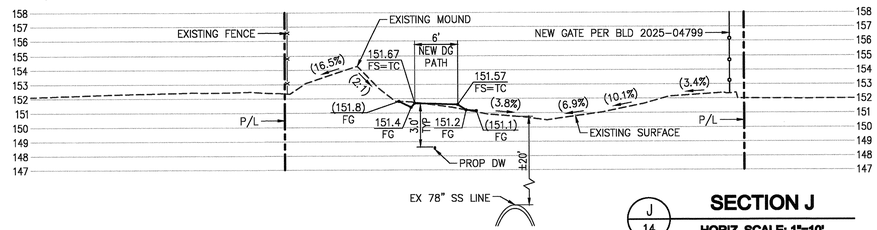
H 14 **SECTION H**

HORIZ. SCALE: 1"=10'
VERT. SCALE: 1"=5'



I 14 **SECTION I**

HORIZ. SCALE: 1"=10'
VERT. SCALE: 1"=5'



J 14 **SECTION J**

HORIZ. SCALE: 1"=10'
VERT. SCALE: 1"=5'

FOR CITY USE ONLY

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:
BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION = 153.529' (NAVD 1988) 2010 LEVELED

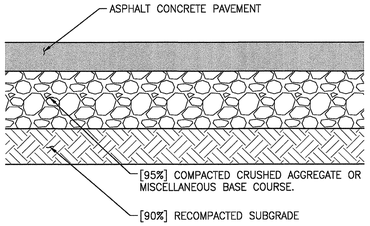
PLAN PREPARED BY:
PROACTIVE
ENGINEERING CONSULTANTS
27051 Towne Centre Drive, Suite 270
Foothill Ranch, CA 92610 (949) 716-7460
REVIEWED BY:
FELIX GONZALEZ
DATE: 5/12/26
R.C.E. #67660

REGISTERED PROFESSIONAL ENGINEER — FELIX GONZALEZ — No. 67660 — Exp. 6-30-2027 — CIVIL — STATE OF CALIFORNIA

DETAIL SHEET
SITE ADDRESS:
2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806
SCALE: SCALE PER SHEET | DRAWN BY: AM/WL | CHECKED BY: OM/FG

CITY OF ANAHEIM

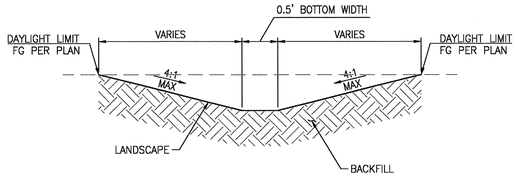
C6.0
GRA2025-04067
SHEET 14 OF 18
D-128/129



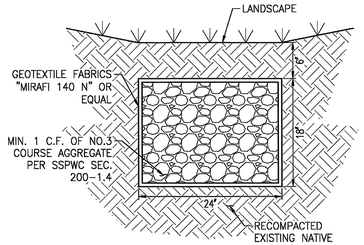
ASSUMED TRAFFIC INDEX (TI)	R-VALUE SUBGRADE	AC THICKNESS (INCH)	BASE THICKNESS (INCH)
5	50	3.5	6

NOTES:
1. PAVEMENT SECTIONS ARE BASED ON RECOMMENDATIONS FROM THE PRJOECT GEOTECHNICAL REPORT.

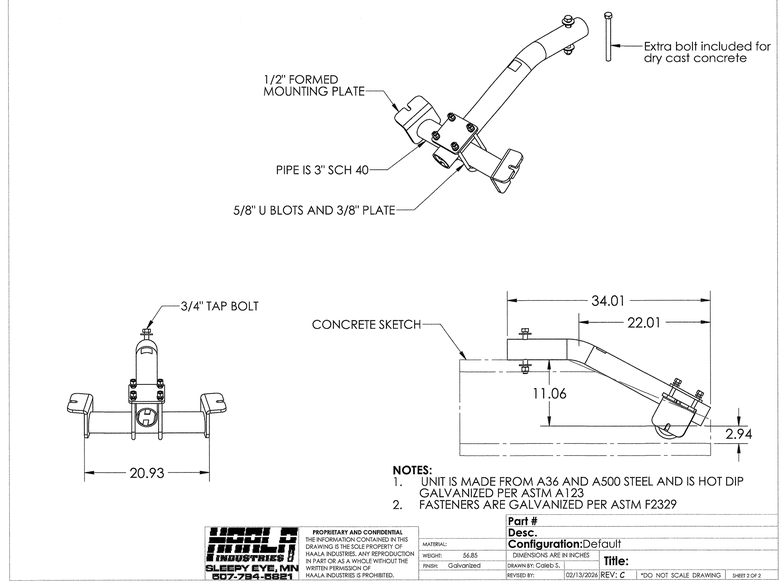
29 ASPHALT PAVEMENT SECTION
NOT TO SCALE



28 EARTHEN SWALE
NOT TO SCALE



32 GRAVEL DRAINAGE PIT
NOT TO SCALE



NOTES:
1. UNIT IS MADE FROM A36 AND A500 STEEL AND IS HOT DIP GALVANIZED PER ASTM A123
2. FASTENERS ARE GALVANIZED PER ASTM F2329

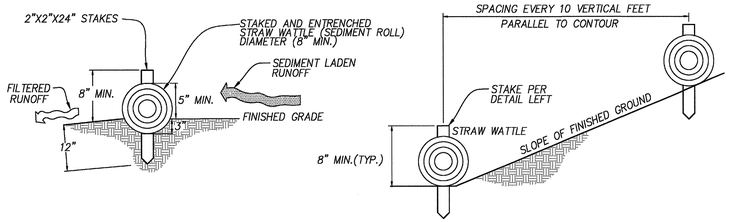
PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF HAALA INDUSTRIES. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF HAALA INDUSTRIES IS PROHIBITED.

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507-794-5521

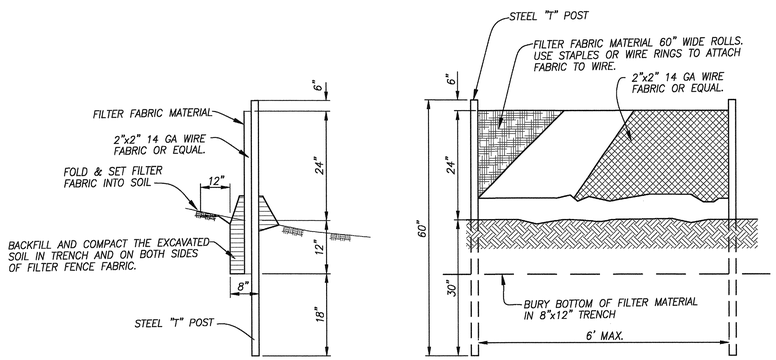
MATERIAL:	Part #
	Desc.
	Configuration: Default
WEIGHT: 56.85	DIMENSIONS ARE IN INCHES
FINISH: Galvanized	Title:
DRAWN BY: Caleb S.	
REVISED BY:	02/13/2026 REV: C "DO NOT SCALE DRAWING" SHEET 2 OF 2

NOTE: CONTRACTOR TO VERIFY SIZE OF PIPE AND FLARE IN THE FIELD AND SUBMIT SHOP DRAWINGS FOR APPROVAL.

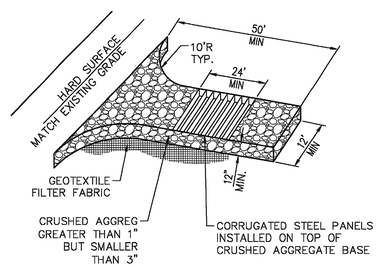
36 TRASH RACK (METAL BARS SPACING 3.5" O.C. MAX)
NOT TO SCALE



E1 STRAW WADDLE (CASQA SE-5)
NOT TO SCALE



E2 SILT FENCE (CASQA SE-1)
NOT TO SCALE



NOTES:
1. THE CONSTRUCTION ENTRANCE ROADWAYS SHALL BE STABILIZED SO AS TO PREVENT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC ROADS. DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS INTO THE STORM DRAIN SYSTEM.
2. STABILIZED CONSTRUCTION ENTRANCE SHALL BE:
   A. LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE OR FROM A PUBLIC RIGHT OF WAY, STREET, ALLEY, AND SIDEWALK OR PARKING AREA.
   B. SERIES OF STEEL PLATES WITH "RUMBLE STRIPS", AND/OR MIN 3" COARSE AGGREGATE WITH LENGTH, WIDTH AND THICKNESS AS NEEDED TO ADEQUATELY PREVENT ANY TRACKING ONTO PAVED SURFACE.
3. ADDING A WASH RACK WITH SEDIMENT TRAP LARGE ENOUGH TO COLLECT ALL WASH WATER CAN GREATLY IMPROVE EFFICIENCY
4. ALL VEHICLES ACCESSING THE CONSTRUCTION SITE SHALL UTILIZE THE STABILIZED CONSTRUCTION ENTRANCE.

E7 STABILIZED CONSTRUCTION ENTRANCE/EXIT (CASQA TC-1)
NOT TO SCALE

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:
BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
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PLAN PREPARED BY:
PROACTIVE ENGINEERING CONSULTANTS
27061 Towne Centre Drive, Suite 270
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REVIEWED BY:
FELIX GONZALEZ
DATE: 5/12/26
R.C.E #67660

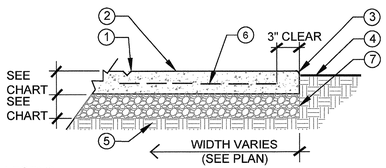
REGISTERED PROFESSIONAL ENGINEER FELIX GONZALEZ No. 67660 Exp. 6-30-2027 CIVIL STATE OF CALIFORNIA

DETAIL SHEET
SITE ADDRESS:
2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806

C6.1
GRA2025-04067
SHEET 15 OF 18
SCALE: SCALE PER SHEET | DRAWN BY: AM/WL | CHECKED BY: OM/FG

CITY OF ANAHEIM
D-128/129

FOR CITY USE ONLY



LEGEND:

1. SCORE LINES AND EXPANSION JOINTS PER 2/LC-200
2. CONCRETE PAVING PER CHART
3. 1/2 RAD. ON ALL OUTSIDE EDGES.
4. FINISH GRADE 1" BELOW EDGE OF PAVING IN TURF AREAS TO HAVE SOD, 3" BELOW SHRUB BEDS.
5. SCARIFY SUBGRADE SOIL TO A DEPTH OF 12", PER GEOTECHNICAL REPORT.
6. REBAR, PER CHART.
7. CLASS II AGGREGATE BASE PER CHART

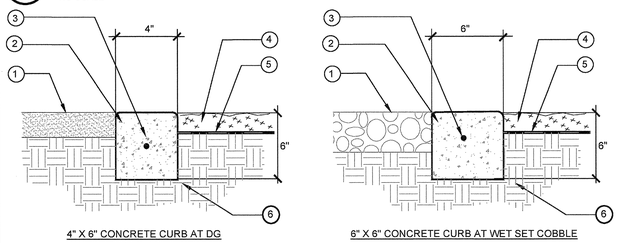
NOTES:

A. AT A MINIMUM PROVIDE THE FOLLOWING: CONSTRUCTION JOINTS: 10' O.C. EXPANSION JOINTS: 30' O.C.
B. ALL REINFORCEMENT MUST BE CENTERED IN CONCRETE PROFILE.
C. CONCRETE COLOR AND FINISH PER PLAN.
D. CONTRACTOR TO FOLLOW RECOMMENDATIONS OF GEOTECHNICAL REPORT AND/OR STRUCTURAL ENGINEER.
E. PROVIDE 4'-0" MOCK UP INCLUDING JOINT FOR APPROVAL PRIOR TO CONSTRUCTION. MOCK UP MAY NOT BE PART OF FINAL CONSTRUCTION.

Concrete Paving Chart	
PEDESTRIAN CONCRETE WALKS & SLABS	CONCRETE PAVING 520-C-2500: 4" THICK. #3 REBAR AT 18" O.C. BOTH WAYS.
VEHICULAR CONCRETE	CONCRETE PAVING 560-C-4000. 8" THICK. #5 REBAR AT 18" O.C. BOTH WAYS. 5" CLASS II AGGREGATE BASE

1 CONCRETE PAVING

NO SCALE



4" X 6" CONCRETE CURB AT DG

6" X 6" CONCRETE CURB AT WET SET COBBLE

LEGEND:

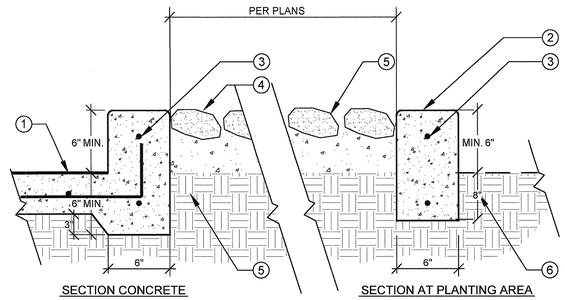
1. FINISHED GRADE 1" BELOW TOP OF CURB IN LAWN AREAS AND 2" AT SHRUB BEDS TO RECEIVE WOOD MULCH OR DG MULCH.
2. 2500 PSI CONCRETE MOW CURB
3. #4 REBAR HORIZONTAL AND CONTINUOUS OVERLAP SPLICES 12" MINIMUM.
4. MATERIAL PER PLAN
5. FINISHED GRADE 2" BELOW TOP OF CURB IN SHRUB AREAS.
6. COMPACT TO 90% PER SOILS REPORT.

NOTES:

A. PROVIDE EXPANSION JOINTS AT 30'-0" MAX. O.C., TYP. PER DETAIL. PROVIDE CONTROL JOINTS @ 10'-0" O.C., TYP.

2 EXPANSION / SCORE JOINT / TROWEL JOINT

NO SCALE



SECTION CONCRETE

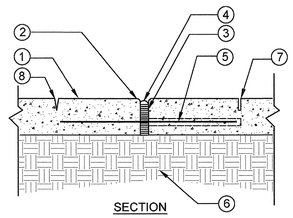
SECTION AT PLANTING AREA

LEGEND:

1. ADJACENT FINISHED SURFACE PER PLANS
2. 6" RAISED CONCRETE CURB
3. #4 REBAR HORIZONTAL AND CONTINUOUS OVERLAP SPLICES 12" MINIMUM
4. WET SET COBBLE
5. SILICA GROUT NATURAL COLOR
6. SUB-GRADE TO BE 90% COMPACTED

NOTES:

A. PROVIDE CONTROL JOINTS AT 30'-0" ON CENTER MAXIMUM TYP.
B. CENTER REBAR IN MOWCURB, TYP.



SECTION

NOTES:

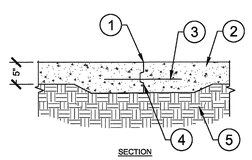
A. SEE LANDSCAPE CONSTRUCTION PLAN FOR EXPANSION JOINT LOCATIONS
B. AT A MINIMUM PROVIDE EXPANSION JOINTS FOR EVERY 400 SF OF CONTIGUOUS CONCRETE PAVING OR 30' O.C.
C. SAND DRESS ALL EXPANSION JOINTS. COLOR TO MATCH ADJACENT CONCRETE. PROVIDE SAMPLE OF SEALANT WITH SAND APPLIED FOR APPROVAL.

LEGEND:

1. CONCRETE PAVING
2. 3/16 RADIUS - 1/4" DEPTH TOOLED EDGE
3. 1/4" FELT EXPANSION JOINT
4. POLYURETHANE SEALANT 'SONNEBORN' SL-2 SLOPE GRADE - CONFORM TO ASTM C920 TYPE M - GRADE T
5. 5/8" X 24" LONG SPEED DOWEL AT 24" ON CENTER MAX., ONE SIDE WITHIN SLEEVE FOR MOVEMENT AT ALL EXPANSION JOINTS.
6. SCARIFY SUBGRADE SOIL TO A DEPTH OF 12", RE-COMPACT TO 95% PER SOILS REPORT.
7. SCORE LINE, SAW CUT TO A DEPTH OF 1/4 SLAB THICKNESS, 1" MINIMUM
8. TROWEL JOINT ALL CURVED JOINTS, TO BE DEPTH OF 1/4 SLAB THICKNESS. 1" MINIMUM.

3 KEY JOINT / COLD JOINT - SLAB CONNECTION

3/4" = 1'-0"



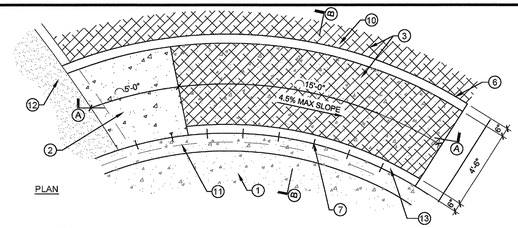
SECTION

LEGEND:

1. 1/8" RADIUS TOOLED EDGE EACH SIDE. PROVIDE FLAT TOOLED POLYURETHANE SEALANT AT JOINT
2. CONCRETE SLAB PER PLANS
3. #4 REBAR DOWEL AT 24" O.C. MAX SPACING
4. CONSTURCTION KEY 2.5" JOINT PER PLAN
5. COMPACT SUBGRADE TO 95% MINIMUM

4 PLAYGROUND ACCESSIBLE PATH

NO SCALE



PLAN

SECTION A

SECTION B

LEGEND:

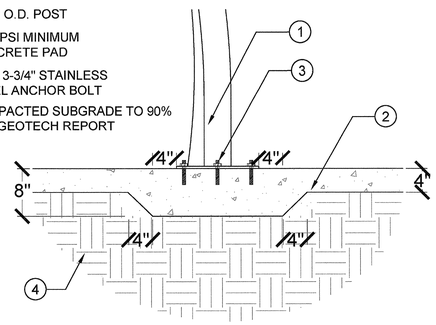
1. CONCRETE WALK PER PLAN
2. CONCRETE PAVING @ MAX. 5% SLOPE,
3. ENGINEERED WOOD FIBAR SURFACING
4. COMPACTED SUBGRADE PER GEOTECH REPORT
5. TURNED-DOWN EDGE W/ #4 REBAR @ 18" O.C. EACH WAY
6. TRANSITION CURB HEIGHT @ 2:1 SLOPE @ PATH TERMINUS
7. CONCRETE CONNECTION 3/8" DIAM. SMOOTH STEEL DOWEL AT 3/8" DIAM. SMOOTH STEEL DOWEL AT 18" LENGTH, 24" O.C. MAX, ONE SIDE WITHIN SLEEVE FOR MOVEMENT
8. 1/2" RADIUS ON ALL EXPOSED EDGES
10. RAISED CONCRETE CURB
11. DEEPENED CONCRETE EDGE AT PLAYGROUND
12. ADJACENT STABILIZED DECOMPOSED GRANITE PATH

5 CONCRETE CURB

NO SCALE

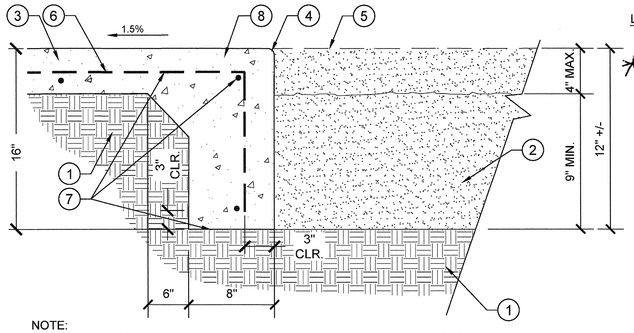
LEGEND:

1. 4' - 5" O.D. POST
2. 3250 PSI MINIMUM CONCRETE PAD
3. 1/2" x 3-3/4" STAINLESS STEEL ANCHOR BOLT
4. COMPACTED SUBGRADE TO 90% PER GEOTECH REPORT



6 RAISED CONCRETE CURB AT WET SET COBBLE

N.T.S.



NOTE:

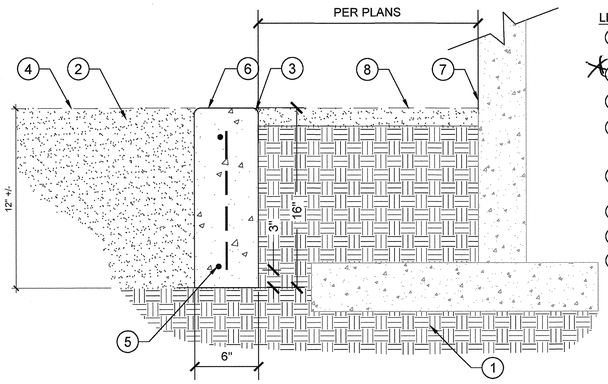
A. ALL EXPOSED VERTICAL CONCRETE SURFACES AND THOSE DIRECTLY ADJACENT TO ENGINEERED WOOD FIBER INFILL SHALL HAVE A SMOOTH, HAND TROWELED FINISH. POST CURE GRINDING WILL NOT BE ACCEPTED.

LEGEND:

1. COMPACTED SUBGRADE TO 95% RELATIVE COMPACTION PER GEOTECH REPORT.
2. ENGINEERED WOOD FIBER PER SPECIFICATIONS *
3. CONCRETE HARDSCAPE - SLOPE AWAY FROM TOT LOT AT 1.5%; SEE CIVIL PLANS.
4. 1/8" RADIUS
5. AT INITIAL CONSTRUCTION, FILL ENGINEERED WOOD FIBER TO THE TOP OF PLAYGROUND EDGING, 12" TOTAL DEPTH
6. CONCRETE REINFORCEMENT; TERMINATE WITH STD. HOOK.
7. (2) #4 BAR CONTINUOUS; TOP AND BOTTOM. OVERLAP SPLICES 30" MIN.
8. 20" THICKENED CONCRETE EDGE. VERTICAL CONCRETE FACE TO BE FINISHED TO 16" DEPTH WHEN LOOSE FILL IS USED.

7 FURNITURE INSTALLED IN DECOMPOSED GRANITE

NOT TO SCALE



LEGEND:

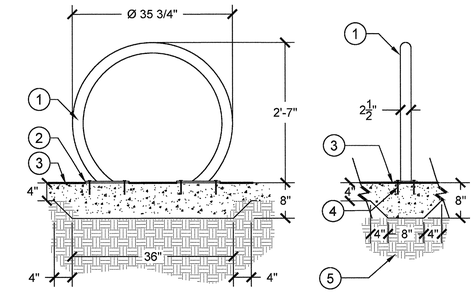
1. COMPACTED SUBGRADE TO 90% RELATIVE COMPACTION PER GEOTECH REPORT.
2. ENGINEERED WOOD FIBER PER SPECIFICATIONS *
3. 1/8" RADIUS
4. AT INITIAL CONSTRUCTION, FILL ENGINEERED WOOD FIBER TO THE TOP OF PLAYGROUND EDGING, 12" TOTAL DEPTH
5. #4 BAR CONTINUOUS; TOP AND BOTTOM. OVERLAP SPLICES 30" MIN.
6. 16" THICKENED CONCRETE EDGE.
7. EXISTING WALL AND FOOTING
8. 3" MULCH ON TOP OF FINAL GRADE

NOTE:

A. ALL EXPOSED VERTICAL CONCRETE SURFACES AND THOSE DIRECTLY ADJACENT TO ENGINEERED WOOD FIBER INFILL SHALL HAVE A SMOOTH, HAND TROWELED FINISH. POST CURE GRINDING WILL NOT BE ACCEPTED.

8 BIKE RACK

NO SCALE



LEGEND:

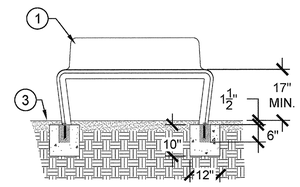
1. BIKE RACK PER BLD2025-04799
2. 3/8" STEEL PLATE BOLTED TO CONCRETE FOOTING
3. CONCRETE PER PLAN.
4. 1/2" x 3-3/4" ANCHOR BOLTS (STAINLESS STEEL)
5. COMPACTED SUBGRADE. COMPACT TO 95% PER SOILS REPORT.

9 GREENFIELDS EXERCISE EQUIPTMENT SURFACE MOUNT

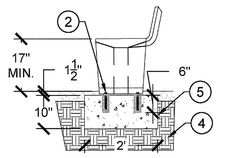
NO SCALE

10 THICKENED CONCRETE EDGE AT FIBAR

NO SCALE



ELEVATION - SET IN CONCRETE FOOTING



SIDE VIEW - SET IN CONCRETE FOOTING

LEGEND:

1. BENCH WITH BACK PER BLD2025-04799
2. (2) SURFACE MOUNT TABS WITH 5" DEEP X 7/8" DIA. HOLE FOR ANCHORING. NON-CORROSIVE HARDWARE SUPPLIED BY OTHERS.
3. DECOMPOSED GRANITE
4. COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
5. 2500 PSI CONCRETE FOOTING

11 6" X 16" CONCRETE CURB AT FIBAR

NO SCALE

* GROUND SURFACES SHALL COMPLY WITH ASTM F1951 AND F1292 (IN USE ZONES). GROUND SURFACES SHALL BE CERTIFIED BY AN ACCREDITED TESTING LAB PRIOR FINAL

REVISIONS					
NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

PLOT DATE: 09/11/2025

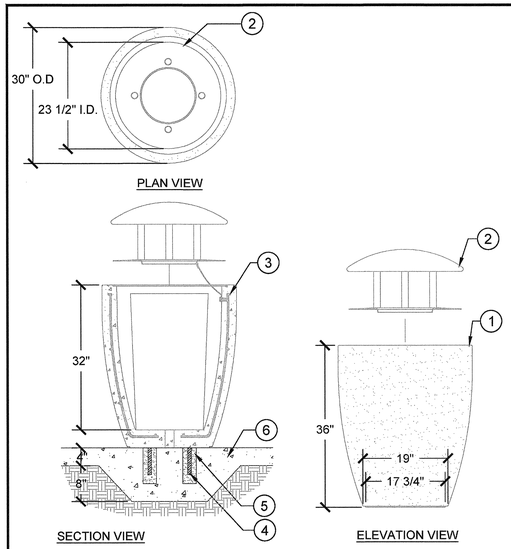
SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

LICENSED LANDSCAPE ARCHITECT JEFFREY T. BARR No. 5709 SIGNATURE 12-31-26 RENEWAL DATE 05-12-26 DATE STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION DETAILS	LC-200
SITE ADDRESS: ANAHEIM RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	GRA2025-04067
	SHEET 16 OF 18
SCALE: SCALE PER SHEET / DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM	D-128/129

ANAHEIM RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

FOR CITY USE ONLY

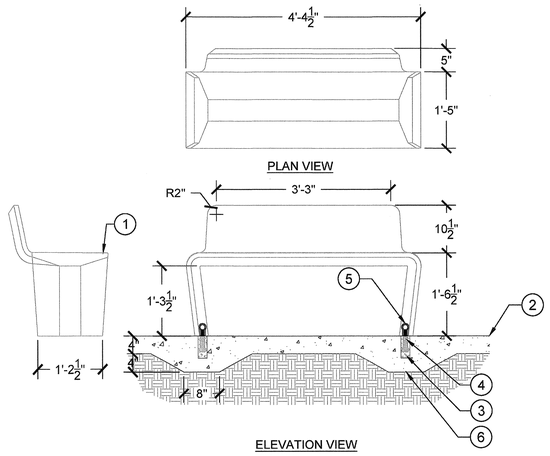


LEGEND:

1. TRASH RECEPTACLE PER BLD2025-04799
2. LID HOVER 25 WITH SECURITY CABLE AND TAMPER PROOF BOLT
3. #2 REBAR VERTICAL AND HORIZONTAL
4. 3/4" DIA. X 11" L COIL ROD
5. 3" DIA X 8" DEEP GROUT POCKET
6. CONCRETE FOOTING PER GRADING PERMIT GRA2025-04067

NOTES:
1. SEE DETAIL 6/LC-2.1 FOR INSTALLATION IN DECOMPOSED GRANITE PAVING.

1 TRASH RECEPTACLE PER BLD2025-04799
NOT TO SCALE



LEGEND:

1. BENCH PER BLD2025-04799
2. ADJACENT CONCRETE PAVING
3. 2" DIA. X 5" DEEP GROUT POCKETS.
4. 1/2" DIA. X 4-1/2" L ANCHOR BOLT
5. 1/2" DIA. X 2-3/4" INSERT
6. CONCRETE FOOTING PER GRADING PERMIT: GRA2025-04067

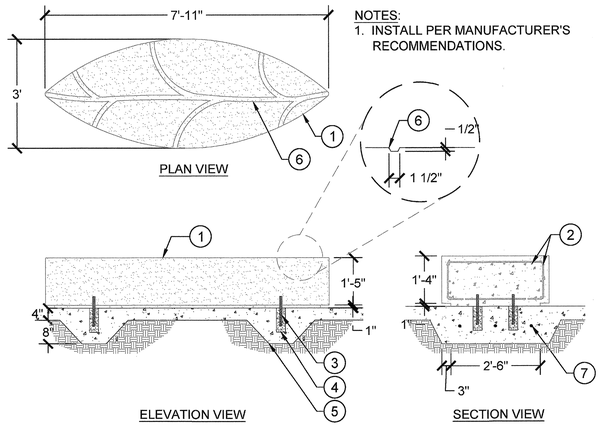
NOTES:
1. SEE DETAIL 6/LC-2.1 FOR INSTALLATION IN DECOMPOSED GRANITE PAVING.

2 QCP BENCH WITH BACK PER BLD2025-04799
NO SCALE

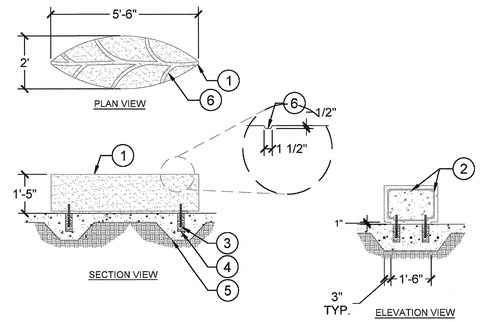
LEGEND:

1. BENCH PER BLD2025-04799
2. #3 REBAR EA. WAY AT 12" O.C. MAX.
3. 3/4" DIA. X 10 3/16" L COIL ROD
4. 3" DIA X 8" DEEP GROUT POCKET
5. CONCRETE FOOTING
6. SKATE DETERENT NOTCH. 1' O.C. FROM EDGE, 2' O.C. TYP. NOTCH TO GO FROM FRONT TO BACK OF WALL
7. #4 BAR EA. WAY AT 12" O.C. UNDER BENCH.

NOTES:
1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.



3 QCP LEAF BENCH - LARGE PER BLD2025-04799
NOT TO SCALE

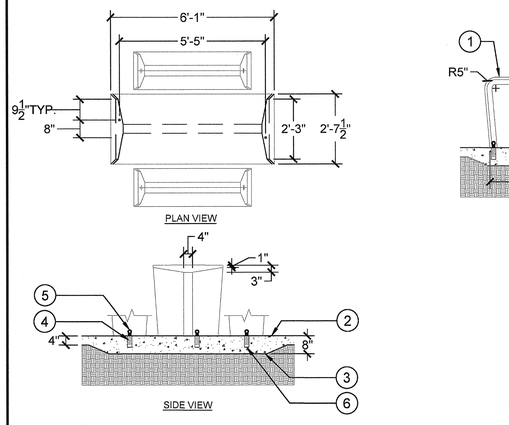


LEGEND:

1. BENCH PER BLD2025-04799
2. #3 REBAR EA. WAY AT 12" O.C. MAX.
3. 3/4" DIA. X 10 3/16" L COIL ROD
4. 3" DIA X 8" DEEP GROUT POCKET
5. CONCRETE FOOTING PER GRADING PERMIT
6. SKATE DETERENT NOTCH. 1' O.C. FROM EDGE, 2' O.C. TYP. NOTCH TO GO FROM FRONT TO BACK OF WALL
7. #4 REBAR EA. WAY AT 12" O.C. MAX UNDER BENCH.

NOTES:
1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

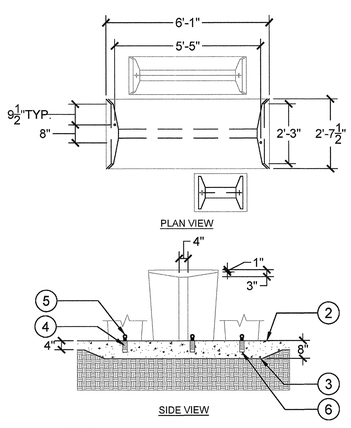
4 QCP LEAF BENCH SMALL PER BLD2025-04799
NOT TO SCALE



LEGEND:

1. PICNIC TABLE PER BLD2025-04799
2. ADJACENT CONCRETE PAVING
3. CONCRETE FOOTING
4. 1/2" DIA. X 4-1/2" ANCHOR BOLT
5. 1/2" DIA. X 2-3/4" INSERT
6. 2" DIA. X 5" DEEP GROUT POCKET

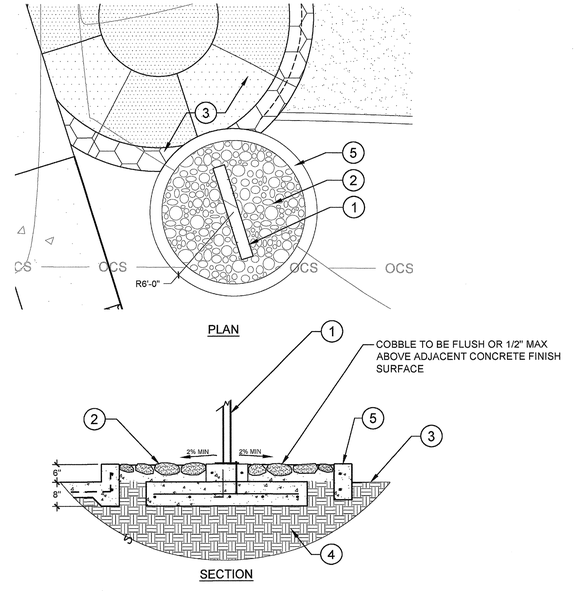
5 QCP PICNIC TABLE - TWO BENCH SEATS PER BLD2025-04799
NOT TO SCALE



LEGEND:

1. PICNIC TABLE PER BLD2025-04799
2. ADJACENT CONCRETE PAVING
3. CONCRETE FOOTING
4. 1/2" DIA. X 4-1/2" ANCHOR BOLT
4. 1/2" DIA. X 2-3/4" INSERT
4. 2" DIA. X 5" DEEP GROUT POCKET

6 QCP PICNIC TABLE - ACCESSIBLE PER BLD2025-04799
NOT TO SCALE



LEGEND:

1. MONUMENT SIGN PER SGN2025-0163
2. 4" - 10" COBBLE MIX WET-SET INTO NATURAL GRAY CONCRETE. COBBLE TO BE 'SIERRA COBBLE' AVAILABLE THROUGH SOUTHWEST BOULDER AND STONE. 1/4" MAXIMUM VOIDS BETWEEN COBBLE WITH SILCA GROUT NATURAL COLOR.
3. ADJACENT LANDSCAPING PER LANDSCAPE CONSTRUCTION PLANS
4. COMPACTED SUBGRADE TO 95% RELATIVE COMPACTION
5. RAISED 6 IN. CONCRETE CURB

NOTES:
THE SURFACE OF ALL EXPOSED STONE COBBLE SHALL BE CLEAN AND FREE OF CONCRETE RESIDUE.

7 WET-SET COBBLE AT MONUMENT SIGN
NO SCALE

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
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LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5209
SIGNATURE
12-31-25
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION DETAILS | LC-201

SITE ADDRESS: ANAHEIM RIVER PARK
2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

GRA2025-04067

SHEET 17 OF 18

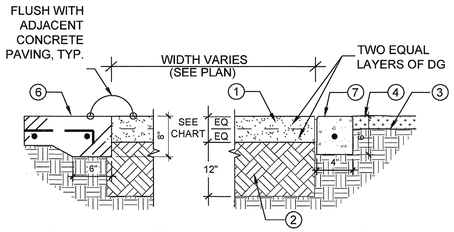
SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

CITY OF ANAHEIM | D-128/129

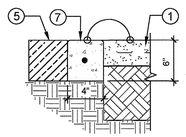
ANAHEIM RIVER PARK 100% CONSTRUCTION DOCUMENTS

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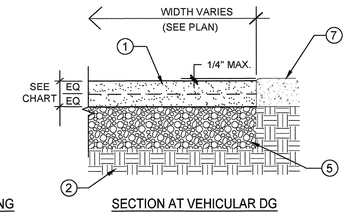
PLOT DATE: 09/11/2025



SECTION-CONCRETE EDGE & ADJACENT HARDSCAPE



CONCRETE CURB AT EXISTING AC PAVING



SECTION AT VEHICULAR DG

DECOMPOSED GRANITE PAVING CHART	
ANTICIPATED TRAFFIC	SECTION
VEHICULAR	5" DECOMPOSED GRANITE OVER 8" Class II AB
PEDESTRIAN	4" DECOMPOSED GRANITE OVER 12" COMPACTED NATIVE SOIL

LEGEND:

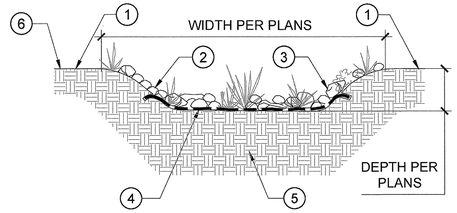
1. DG PAVING WITH SOIL STABILIZER (SEE SPECIFICATIONS) TO BE PLACED IN TWO (2) EQUAL LAYERS. ROLL EACH LAYER SEPARATELY TO 90% MIN. COMPACTION. PAVING TO HAVE ROLLED TRANSITION EDGES ADJACENT TO PLANTING AREAS.
2. COMPACT TO 90% PER SOILS REPORT.
3. FINISH GRADE: 4" BELOW FINISH SURFACE OF D.G. WHEN ADJACENT SHRUB AREAS TO ACCOMMODATE 4" OF MULCH IN SHRUB AREAS.
4. 3" MULCHED SHRUB AREA.
5. CLASS II AGGREGATE BASE
6. ADJACENT SURFACING PER PLAN. WHEN ADJACENT TO CONCRETE PAVING OR CONCRETE CURB; THE TOP OF D.G. PAVING TO MEET FLUSH (1/4" MAX.) WITH TOP OF ADJACENT PAVING.
7. ADJACENT CONCRETE CURB

NOTES:

A. SEE CONSTRUCTION PLAN FOR DECOMPOSED GRANITE PAVING TYPE AND MANUFACTURER.
B. CONSTRUCTION SHALL COMPLY WITH ALL LOCAL AND REGIONAL STANDARDS.
C. CONTRACTOR TO SUBMIT SAMPLE OF DECOMPOSED GRANITE TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO ORDER AND INSTALLATION. PROVIDE 4' X 4' MOCK UP IN FIELD FOR APPROVAL. MOCK UP IS FOR REVIEW ONLY AND SHALL NOT BE INSTALLED IN PLACE OF FINAL WORK.
D. INSTALL PER MANUFACTURER'S RECOMMENDATION.

1 STABILIZED DECOMPOSED GRANITE PAVING

NOT TO SCALE



COBBLE BASIN

NOTES:

A. LINE SWALE WITH COBBLES 1" MINIMUM SIZE, SEE LEGEND. PROVIDE HIGHER CONCENTRATION OF COBBLES AROUND INLETS, SEE ALSO GRADING PLANS.
B. FOR PLANTING, SEE PLANTING PLANS.

LEGEND:

1. ADJACENT MATERIAL PER PLANS
2. MEDIUM COBBLE: 'SIERRA COBBLE' BY SOUTHWEST BOULDER PER PLANS. SIZE 4"-7" (50% OF TOTAL COBBLE).
3. LARGE COBBLE: 'SIERRA COBBLE' BY SOUTHWEST BOULDER PER PLANS. SIZE 8"+ (50% OF COBBLE)
4. FILTER FABRIC
5. 90% COMPACTED SUBGRADE
6. TOP OF BASIN PER GRADING PLAN

2 COBBLE IN BASIN

NO SCALE

ANAHEIM RIVER PARK 100% CONSTRUCTION DOCUMENTS 09/11/2025

FOR CITY USE ONLY

REVISIONS					
NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82

LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER

ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SEE SHEET LC-001 FOR KEY MAP AND LANDSCAPE CONSTRUCTION NOTES
SEE SHEET LC-100 FOR LANDSCAPE CONSTRUCTION LEGEND
SEE SHEETS LC-101 - LC-106 FOR LANDSCAPE CONSTRUCTION PLANS
SEE SHEETS LC-200 - LC-214 FOR LANDSCAPE CONSTRUCTION DETAILS

SCHMIDT DESIGN GROUP
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LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5209
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION DETAILS

LC-202

SITE ADDRESS: ANAHEIM RIVER PARK
2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

GRA2025-04067

SHEET 18 OF 18

SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

CITY OF ANAHEIM

D-128|129

PLOT DATE: 09/11/2025

SHEET LIST

SHEET #	SHEET NAME	
T-1.0	TITLE SHEET	1
T-1.1	OVERALL SITE PLAN	2
LC-100	SIGNAGE PLANS	3
LC-200	LANDSCAPE CONSTRUCTION DETAILS	4
E001	LIGHTING DETAIL SHEET	5
E002	TITLE 24	6

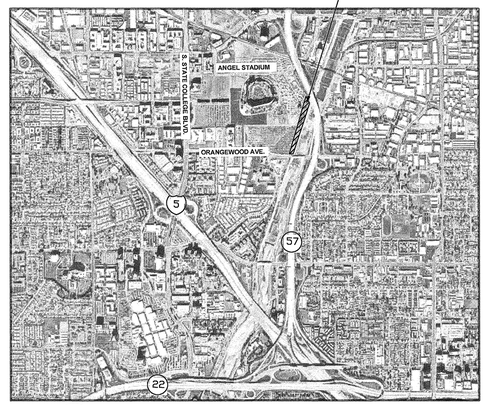
CITY OF ANAHEIM

RIVER PARK

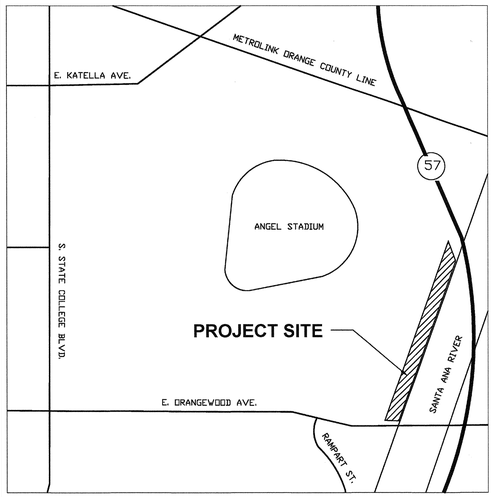
2445 EAST ORANGEWOOD, ANAHEIM, CA 92806

SIGNAGE PLANS

VICINITY MAP



LOCATION MAP



APPLICABLE CODES AND STANDARDS

2022 CA ADMINISTRATIVE CODE TITLE 24 PART 1
2022 CA BUILDING CODE TITLE 24 PART 2 VOLUME 1 & 2
2022 CA ELECTRICAL CODE TITLE 24 PART 3
2022 CA ENERGY CODE TITLE 24 PART 6
AMERICANS WITH DISABILITIES ACT (ADA), TITLE II: ADA STANDARDS FOR ACCESSIBLE DESIGN

NOTE:
ALL REQUIREMENTS OF THE SOIL ENGINEER REPORT(S) DATED OCTOBER 28, 2024 BY HARRINGTON GEOTECHNICAL ENGINEERING, INC. AND ALL SUBSEQUENT REPORTS, ADDENDA, RECOMMENDATIONS, ETC. SHALL BE CONSIDERED PART OF THIS PLAN.

CONTRACTOR UTILITY NOTIFICATIONS

THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES A MINIMUM OF TWO WORKING DAYS PRIOR TO THE COMMENCING OF CONSTRUCTION:

- UNDERGROUND SERVICE ALERT (USA) TEL: 800-422-4133
- SOUTHERN CALIFORNIA GAS COMPANY HEADQUARTERS PLANNING OFFICE: TEL: 714-634-3118 ANAHEIM OFFICE TEL: 714-634-3229 ATTN: BOB TRENTON 714-634-3121
- CITY OF ANAHEIM CONSTRUCTION SERVICES DIVISION TEL: 714-765-5126
- CITY OF ANAHEIM PUBLIC UTILITIES INSPECTION TEL: 714-765-6905
- METROPOLITAN WATER DISTRICT WATER SYSTEMS OPERATIONS GROUP ATTN: TIM HATCH OR RICK BICKER TEL: 714-577-5084
- AT&T ATTN: JOE LUQUE, MANAGER AT&T OSP CABLE TEL: 661-325-0572 CELL: 661-333-4080
- VERIZON TELECOMMUNICATIONS ATTN: CHUCK TRIMBLE TEL: 909-421-3339
- TIME WARNER / CHARTER COMMUNICATIONS ATTN: KEITH KLUMP, CONSTRUCTION MANAGER, ZONE 11 TEL: 951-547-3831
- CROWN CASTLE ATTN: RANDY OLIVER, UTILITY COORDINATOR TEL: 724-416-2725

DESIGN TEAM

LANDSCAPE ARCHITECT:
SCHMIDT DESIGN GROUP
1310 ROSECRANS STREET,
SUITE G
SAN DIEGO, CA 92106
TEL: (619) 236-1462

ELECTRICAL:
MPE CONSULTING
10807 THORNMINT RD.
SUITE 200
SAN DIEGO, CA 92127
TEL: (858) 673-4445

SITE STRUCTURAL ENGINEER:
AARK ENGINEERING INC.
1870 CORDELL COURT,
SUITE 202
EL CAJON, CA 92020
TEL: (619) 312-6336

PROJECT DATA

OCCUPANCY TYPE: N/A
CONSTRUCTION TYPE: N/A
NO. OF STORIES: N/A
ALLOWABLE AREA PER 2019 CBC: N/A
TABLE 506.2: N/A
TOTAL BUILDING AREA: N/A

PROJECT SCOPE

THE SCOPE OF PROJECT CONSISTS OF TWO PARK MONUMENT SIGNS. ONLY THE SOUTHERN SIGN WILL BE ILLUMINATED.

LEGAL DESCRIPTION

APN 232-011-58
AREA: 134,264 SQ/FT
FIPS CODE: 06059
LOCALITY: ANAHEIM
PARCEL APN: 232-011-58
POSTAL CODE: 92806
STATE: CA
STREET NUMBER: 2445
33.796042, -117.880060

I HEREBY CERTIFY THAT THE IMPROVEMENTS HAVE BEEN COMPLETED IN CONFORMANCE WITH THIS APPROVED PLAN.

(SIGNATURE) _____ _____
NAME: DATE
RCE NO:
EXP:
COMPANY: _____
ADDRESS: _____ PHONE: _____ (SEAL)
_____
_____

REVISIONS

(SIGNATURE) _____ _____
NAME: DATE
RCE NO:
EXP:
COMPANY: _____
ADDRESS: _____ PHONE: _____
_____
_____

NO.	INT.	DATE	NO.	INT.	DATE	NO.	INT.	DATE	NO.	INT.	DATE

(SEAL)

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

NOTE TO CONTRACTOR

THESE PLANS HAVE BEEN EXAMINED AND ARE APPROVED ONLY AS TO COMPATIBILITY WITH ADJOINING EXISTING OR FUTURE IMPROVEMENTS AND CONFORMANCE WITH CITY OF ANAHEIM STANDARD DETAILS AND THE REQUIREMENTS FOR THE FOLLOWING APPLICABLE FACTORS: RIGHT-OF-WAY, ROADWAY MATERIALS, ALIGNMENTS AND GRADES, HYDROLOGY AND HYDRAULIC DESIGN OF STORM DRAIN OR SANITARY SEWER SYSTEMS AND UNDER GROUND CONDUITS OR OPEN CHANNEL ALIGNMENTS, GRADES, SIZES AND MATERIALS.

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82

LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER

ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

PREPARED UNDER THE SUPERVISION OF:

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2188 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

JEFFREY T. BARR
DATE: 05/12/2026

LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR NO. 5269
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

OWNER / DEVELOPER:

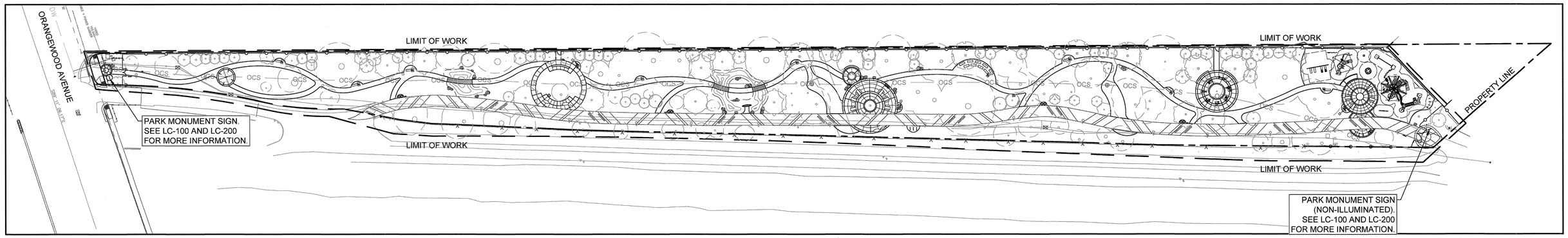
CITY OF ANAHEIM

COMMUNITY SERVICES DEPARTMENT
ATTN: ANA STRAABE
200 SOUTH ANAHEIM BOULEVARD
ANAHEIM, CA 92805
TEL: (714) 765-4463

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TITLE SHEET		T-1.0
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806		SGN2025-00163
		SHEET 1 OF 6
SCALE: SCALE PER SHEET	DRAWN BY: NM, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM		D-XXX

PLOT DATE: 06/26/2025



CONSTRUCTION NOTES:

1. UNLESS SPECIFIED OTHERWISE, LANDSCAPE CONSTRUCTION AND LAYOUT WORK INCLUDES, BUT IS NOT LIMITED TO THE LOCATION, PLACEMENT AND DETAILING OF THE MONUMENT SIGN.
2. DIMENSIONS INDICATED ON PLANS SHALL PREVAIL OVER PLAN SCALE. DIMENSIONS ARE TO FACES OF AND PERPENDICULAR FACE OF WALLS UNLESS SHOWN OTHERWISE. ALL ANGLES AND CONNECTIONS ARE (90) DEGREES UNLESS NOTED OTHERWISE.
3. ALL DIMENSIONS ARE TAKEN FROM THE BACK OF CURB UNLESS OTHERWISE NOTED.
4. EXPANSION JOINTS SHALL BE AS LOCATED ON THE PLANS AND WHERE CONCRETE MEETS EXISTING WALLS, PAVING, OR OTHER HARD SURFACES. EXPANSION JOINTS ON WALKS TO BE A MAXIMUM OF 30'-0" ON CENTER.
5. SCORE JOINTS SHALL BE AS SHOWN ON THE PLANS OR SET ON TYPICAL ON CENTER SPACING.
6. ALL CONCRETE SHALL BE A MINIMUM STRENGTH OF 2500 PSI AT 28 DAYS FOR SIDEWALKS UNLESS OTHERWISE INDICATED. FINISH SHALL BE AS NOTED ON PLANS.
7. CONCRETE PAVING SHALL HAVE FINISHED GRADES SMOOTHED TO ELIMINATE PUDDLING OR STANDING WATER. ALL FINISH SURFACES SHALL MAINTAIN A 1.5% SLOPE AWAY FROM WALLS INTO DRAINAGE STRUCTURES AND SHALL HAVE A MAX. CROSS SLOPE OF 1.5%. CONTRACTOR SHALL NOTIFY THE CITY ENGINEER OF ANY CONFLICTS MAINTAINING DRAINAGE.
8. LAYOUT POINTS OF ALL RADIUS SHALL BE CONNECTED BY SMOOTH EVEN LINES TO CREATE THE CURVED CONFIGURATION AS SHOWN ON THE PLANS.
9. SEE ELECTRICAL PLANS FOR CONDUIT LOCATIONS PRIOR TO CONSTRUCTION.
10. NO DEVIATIONS FROM PLANS SHALL OCCUR WITHOUT APPROVAL OF THE OWNER OR LANDSCAPE ARCHITECT.
11. ANY PROPOSED WORK THAT IS INCONSISTENT WITH COMMON, SAFE CONSTRUCTION PRACTICES SHALL BE BROUGHT TO THE ATTENTION OF THE CITY ENGINEER PRIOR TO COMMENCING WITH CONSTRUCTION.
12. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL FIELD CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
13. CONTRACTOR SHALL REVIEW PLANS AND DETAILS TO ASCERTAIN LOCATIONS NECESSARY TO PROVIDE ELECTRICAL CONNECTIONS TO POWER IRRIGATION, LIGHTING, ETC.
14. CONTRACTOR SHALL DETERMINE THE LOCATION AND DEPTH OF ALL SITE UTILITIES PRIOR TO CONSTRUCTION. NOTIFY THE CITY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
15. THE CONTRACTOR SHALL HAVE THE LANDSCAPE ARCHITECT VERIFY ALL CONSTRUCTION STAKING LOCATIONS PRIOR TO INSTALLATION OF ALL PAVING.
16. ALL HARDWARE SUCH AS NAILS, BOLTS, FASTENERS ETC. SHALL BE STAINLESS STEEL UNLESS OTHERWISE NOTED.
17. THE CONTRACTOR SHALL PROVIDE A 4'X4' MOCK UP OF EACH UNIQUE PAVING AND HARDSCAPE MATERIAL;FOR APPROVAL PRIOR TO CONSTRUCTION INCLUDING, BUT NOT LIMITED TO: CONCRETE, DECOMPOSED GRANITE, MOW CURBS, AND AC PAVING. MOCK UPS MAY NOT BE PART OF FINAL CONSTRUCTION.
18. AEROSOL ADHESIVES, AND SMALLER UNIT SIZES OF ADHESIVES, AND SEALANTS OR CAULKING COMPOUNDS (IN UNITS OF PRODUCT, LESS PACKAGING, WHICH DO NOT WEIGH MORE THAN ONE POUND AND DO NOT CONSIST OF MORE THAN 16 FLUID OUNCES) SHALL COMPLY WITH STATEWIDE VOC STANDARDS AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS, OF CALIFORNIA CODE OF REGULATIONS, TITLE 17, COMMENCING WITH SECTION 94507.
    A. ARCHITECTURAL PAINTS AND COATINGS SHALL COMPLY WITH TABLE 5.504.4.2 UNLESS MORE STRINGENT LOCAL LIMITS APPLY (SECTION 5.504.3 OF CALGREEN).
    B. AEROSOL PAINTS AND COATINGS. AEROSOL PAINTS AND COATINGS SHALL MEET THE PRODUCT-WEIGHTED MIR LIMITS FOR ROC IN SECTION 94522(A)(3) AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS AND OZONE DEPLETING SUBSTANCES (CCR, TITLE 17, SECTION 94520 ET SEQ). (SECTION 5.504.4.3.1 OF CALGREEN).
    C. A LETTER FROM THE CONTRACTOR CERTIFYING WHAT PAINT HAS BEEN USED AND ITS COMPLIANCE WITH THE CODE MUST BE SUBMITTED TO THE BUILDING INSPECTOR.
19. CONTRACTOR SHALL SECURE ALL PERMITS, CITY WILL PAY FEES, TO CONSTRUCT THE PLANS HEREIN.
20. THE CONTRACTOR SHALL PAY FOR ANY CONSTRUCTION RE-STAKING REQUIRED TO COMPLETE THE PROJECT TO THE SATISFACTION OF THE CITY ENGINEER. THE LANDSCAPE ARCHITECT WILL PROVIDE CAD FILES FOR DEVELOPMENT OF A CERTIFIED HORIZONTAL CONTROL PLAN. CITY WILL PROVIDE INITIAL STAKING SERVICES.
21. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES AS NECESSARY.
22. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL FOR DETAILS AS NOTED ON PLANS AND SPECIFICATIONS.
23. CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY CLEANUP OF THE SITE AND PROVIDING ADEQUATE SAFETY MEASURES DURING CONSTRUCTION ON A 24 HOUR BASIS.
24. ANY CREDITS AND/OR DEBTS SHALL BE REPORTED TO LANDSCAPE ARCHITECT AND CITY ENGINEER AT A TIME OF OCCURRENCE FOR PROPER VERIFICATION AND/OR APPROVAL PRIOR TO COMMENCEMENT OF RESULTING ACTION.
25. CONTRACTOR SHALL PROVIDE A 24 HOUR PHONE NUMBER IN CASE OF EMERGENCY.
26. CONTRACTOR TO PROVIDE SAMPLES OF MATERIAL AND FINISHES (STAINS, PAVERS, SIGNAGE MATERIALS, ETC.) FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT AND CITY ENGINEER PRIOR TO CONSTRUCTION.
27. ACCESS TO EASEMENT APPURTENANCES BY EASEMENT HOLDERS FOR MAINTENANCE SHALL BE AVAILABLE DURING CONSTRUCTION.
28. CONTRACTOR TO NOTIFY OWNER'S ARBORIST FOR INSPECTION AND REVIEW OF TREE PROTECTION MEASURES PRIOR TO CONSTRUCTION ACTIVITY UNDER DRIPLINE OF EXISTING TREES.
29. ALL REQUIREMENTS OF THE SOIL ENGINEER REPORT(S) DATED OCTOBER 28, 2024 BY HARRINGTON GEOTECHNICAL ENGINEERING AND ALL SUBSEQUENT REPORTS, ADDENDA, RECOMMENDATIONS, ETC. SHALL BE CONSIDERED PART OF THIS PLAN AND SHALL BE COMPLIED WITH, SUBJECT TO THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS/ CITY ENGINEER.

INSPECTIONS

1. A FINAL REPORT FOR ALL ITEMS REQUIREING SPECIAL INSECTION SHALL BE COMPLETED AND SUBMITTED TO THE CITY OF ANAHEIM INSPECTION DIVISION PRIOR TO FINAL.
2. ALL SPECIAL INSPECTORS SHALL BE ON THE APPROVED LIST OF THE CITY OF ANAHEIM WITH CURRENT AND VALID CERTIFICATION.

PARK INSPECTION TEAM

A. SITE SUPERINTENDENT (CONTRACTOR)
B. SUB CONTRACTORS
C. CITY ENGINEER REPRESENTATIVE OR PROJECT MANAGER
D. DESIGN CONSULTANT(S)
E. ACCESS COMPLIANCE OFFICER

PARK INSPECTION STAGES

CONSTRUCTION SCHEDULE SHALL INCLUDE BUT NOT LIMITED TO:

1. PRE-CONSTRUCTION MEETING
2. DEMOLITION MARK-OUT
3. ROUGH GRADING AND DRAINAGE
4. MARK-OUT OF UTILITIES, CONDUITS, AND LIGHT POLE LOCATIONS PRIOR TO TRENCHING/EXCAVATION
5. HARDSCAPE AT TIME OF FINISHED STAKING AND LAYOUT
6. FINISH GRADING AND SOIL PREPARATION
7. PROJECT CONSTRUCTION 90% COMPLETE (DEVELOP PUNCH LIST AND CONTRACTOR SUBMIT RED-LINE AS BUILT)
8. FINAL WALK-THROUGH, ACCEPTANCE BY THE CITY (CONSULTANT TO SUBMIT FINAL APPROVED AS-BUILTS TO THE CITY)

0 25 50 100
SCALE : 1" = 50'-0"

NORTH

LINETYPE LEGEND
LIMIT OF WORK
PROPERTY LINE

FOR CITY USE ONLY

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

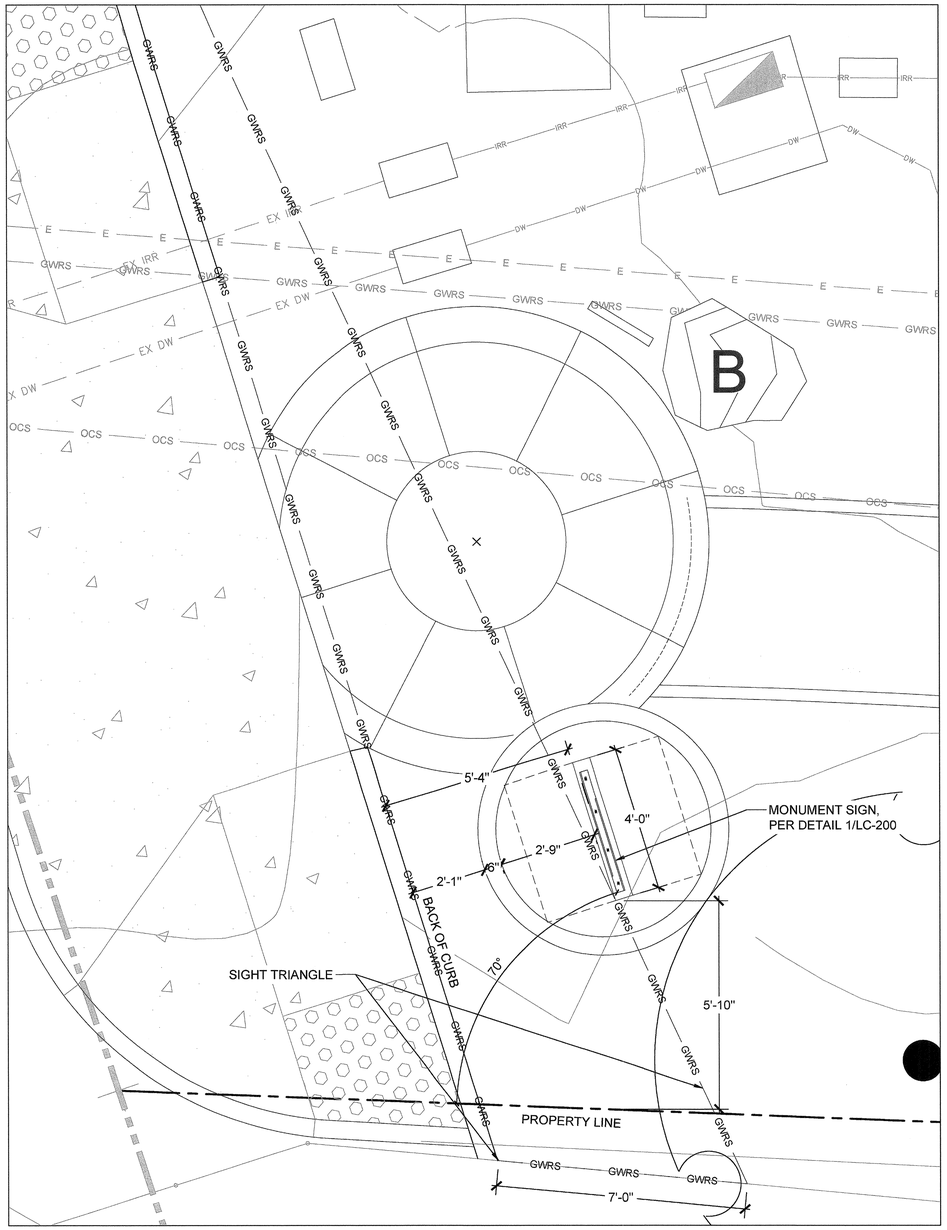
BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

SCHMIDT DESIGN GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5209
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

OVERALL SITE PLAN		T-1.1
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806		SGN2025-00163 SHEET 2 OF 6
SCALE: SCALE PER SHEET	DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM		D-XXX

PLOT DATE: 09/11/2025



MONUMENT SIGN SOUTH ENTRY



MONUMENT SIGN NORTH ENTRY

0 1 2 4

SCALE : 1/2" = 1'-0"

NORTH

LINETYPE LEGEND

LIMIT OF WORK

PROPERTY LINE

FOR CITY USE ONLY

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82

LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER

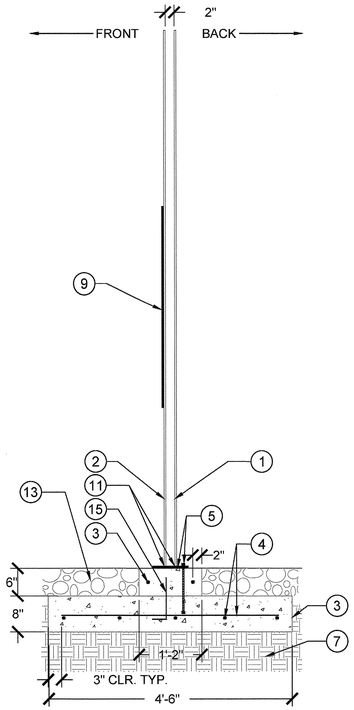
ELEVATION: 153.529' (NAVD 1988) 2010 LEVELED

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1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
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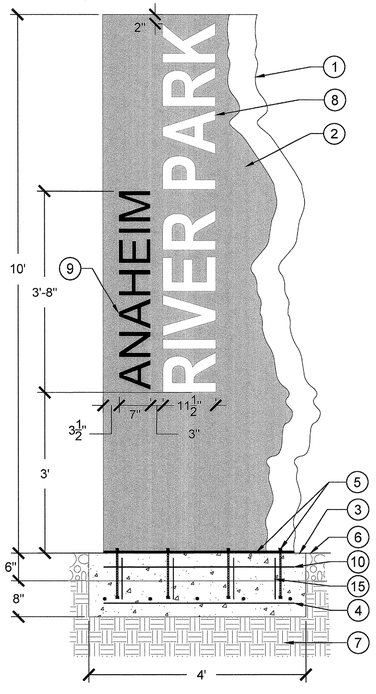
LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No 5205
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

SIGNAGE PLANS	LC-100
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806	SGN2025-00163 SHEET 3 OF 6
SCALE: SCALE PER SHEET / DRAWN BY: JB, AB	CHECKED BY: CT, JT, JJ
CITY OF ANAHEIM	D-XXX

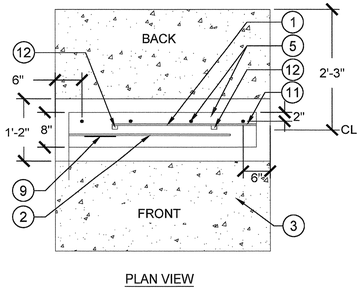
PLOT DATE: 09/11/2025



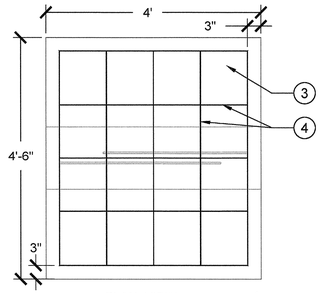
SOUTH ENTRY MONUMENT SIGN
SECTION AT WET SET COBBLE



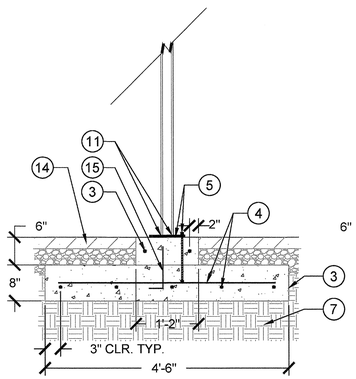
SOUTH ENTRY MONUMENT SIGN
ELEVATION AT WET SET COBBLE



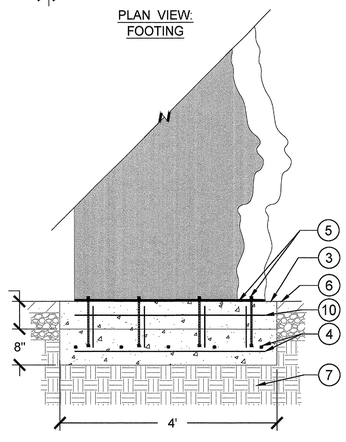
PLAN VIEW



PLAN VIEW:
FOOTING



NORTH ENTRY MONUMENT SIGN
SECTION AT AC PAVING



NORTH ENTRY MONUMENT SIGN
ELEVATION AT AC PAVING

LEGEND

1. 3/8" THICK SKY BLUE RAL# 210 70 35 POWDER-COATED STEEL PANEL
2. 3/8" THICK CORTEN STEEL PANEL, NATURAL FINISH
3. 4' X 4'-6" X 8" DEEP SPREAD FOOTING WITH 1'-2" WIDE 6" TALL CONCRETE PEDESTAL AT CL OF FOOTING
4. (5) #5 REBAR EVENLY SPACED EACH WAY AT MID DEPTH OF FOOTING
5. CORTEN STEEL BASE PLATE PL 1/2"x 8"x LENGTH OF STEEL PANELS. (4) 5/8" HDG ASTM F1554 GRADE 36 HEADED ANCHORS EVENLY SPACED WITH 10" MIN. EMBEDMENT WITH HDG NUT AND WASHER (1ST ANCHOR IS 6" MAX FROM END OF PL). ANCHOR TO PROTRUDE 2 THREADS MINIMUM BEYOND BOLT.
6. FINISH GRADE
7. COMPACT SUBGRADE TO 90% PER GEOTECHNICAL REPORT
8. LETTERING LASER CUT INTO CORTEN STEEL PLATE
9. 7" PIN MOUNTED FLUSH ½" LETTERING. COLOR: WHITE. FONT: ARIAL.
10. (2) #4 REBAR
11. WELD STEEL PANELS TO BASE PLATE WITH CONTINUOUS 3/16" FILLET WELD EACH SIDE OF STEEL PANEL.
12. TAPE LIGHTS MOUNTED TO BACK PANEL, SEE ELECTRICAL DETAIL 2/E001 FOR MORE INFORMATION.
13. WET SET COBBLE AT SOUTH ENTRY PER GRA2025-04067.
14. AC PAVING AT NORTH ENTRY PER GRA2025-04067.
15. #4 DWL WITH STD. HK. @ CL OF PEDESTAL AT EACH HEADED ANCHOR.

NOTE:

1. POWDER COAT ENTIRE ASSEMBLY EXCEPT CORTEN STEEL, AFTER FABRICATION.
2. ALL NUTS SHALL BE HOT-DIPPED GALVANIZED ANTI-THEFT TAMPERPROOF.

1 ANAHEIM RIVER PARK MONUMENT SIGN

NO SCALE

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

BENCHMARK = OCS BENCHMARK 1L-53-82
LOCATION = ORANGEWOOD AVE. & SANTA ANA RIVER
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LICENSED LANDSCAPE ARCHITECT
JEFFREY T. BARR No. 5203
SIGNATURE
12-31-26
RENEWAL DATE
05-12-26
DATE
STATE OF CALIFORNIA

LANDSCAPE CONSTRUCTION DETAILS | LC-200

SITE ADDRESS: RIVER PARK
2445 EAST ORANGEWOOD AVE.
ANAHEIM, CA 92806

SGN2025-00163

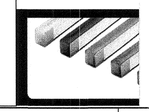
SHEET 4 OF 6

SCALE: SCALE PER SHEET | DRAWN BY: JB, AB | CHECKED BY: CT, JT, JJ

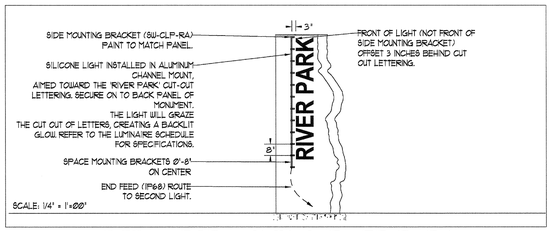
CITY OF ANAHEIM | D-XXX

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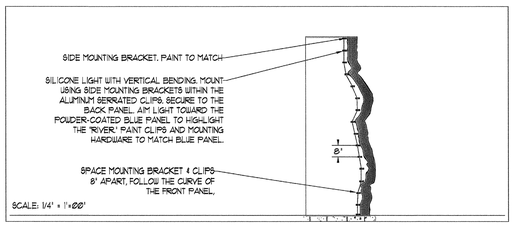
M1

MOUNTING	DESCRIPTION	MANUFACTURER	PART NUMBER	SOURCE	INITIAL LUMENS	EGRESS LUMENS	COLOR TEMP	MIN. CRI	VOLTAGE	INPUT WATTS	DIMMING	NOTES	PHOTO
SIDE MOUNT TO PANEL	**SIGNWAVE 3 SILICONE:** NARROW-VIEW FLEXIBLE LIGHT WITH VERTICAL PLANE BENDING. FEATURES A 160° BEAM ANGLE AND MEASURES 0.62" X 0.68". OPTIONAL 0-10V DIMMING AVAILABLE. ORDER CHANNELS, CLIPS AND MOUNTING BRACKETS SEPARATELY. USE ALUMINUM CHANNEL FOR STRAIGHT RUN AND ALUMINUM SERRATED CLIPS FOR CURVED RUNS. BOTH RUNS SHALL BE SECURED WITH SIDE-MOUNTING BRACKET. REFER TO DETAIL 2 ON THIS SHEET FOR ADDITIONAL INFORMATION.	KELVIX	**FIXTURE:** SW3S-PER PLANS-30K-VR-B-S-IP68 **CHANNEL (STRAIGHT RUN):** SW-K-AL-CH-SR-2M **MOUNTING CLIPS (CURVED RUN):** SW-K-CLP-AL-SR **SIDE MOUNTING BRACKET:** SW-CLP-RA	LED	143 LM/FT		3000K	80	24 VDC	3.7W/FT	0-10V		

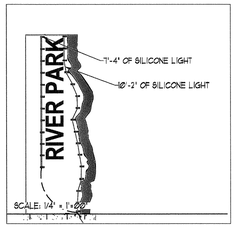
FIXTURE LIST | 1



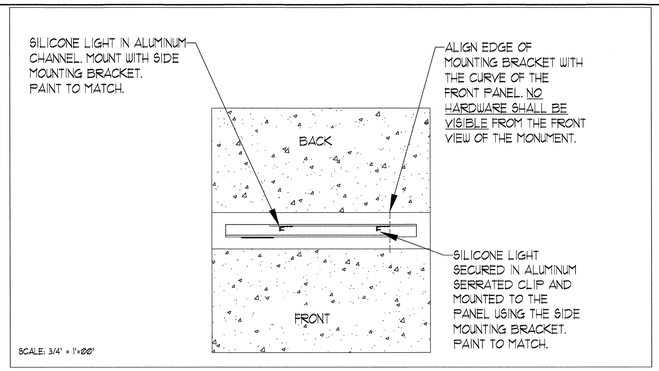
DETAIL FOR LIGHTING 'RIVER PARK'



DETAIL FOR LIGHTING BLUE PANEL



ELEVATION VIEW



PLAN VIEW

MONUMENT DETAIL | 2

FIXTURE TYPE
PROJECT NAME
LOCATION



Description

Signwave 3 is the only series offered with Horizontal or Vertical bending options. The perfectly flat top of Signwave 3 provides greatly reduced side-viewing angles and concentrates the incredibly bright illumination onto a single direct-view surface.

Features

- Dimmable
- 50,000 Hour Life
- Flat Profile for Streamline Projects
- Horizontal or Vertical Bending Option
- IP68
- UL-Listed for Indoor and Outdoor Use
- Factory-Installed Power Feed
- Injection-Molded Flush End Caps
- For Use with 24V Power Supplies

Specifications

Series	SW3S
Temp/Color	Static White, Red, Green, Blue, Amber, RGBW, DW (1800K–3000K), CT
Input Voltage	24V DC
Lumens per Foot	143 lm/ft (Static White)
Watts per Foot	2.4–3.7
Beam Angle	160°
CRI	80+
Max Run Length	Unlimited*
Dimensions	0.62" (16.0mm) x 0.68" (17.0mm)
Dimming Options	PWM, Triac, 0–10V, DMX, Hi-lume
Operating Temp	-40°F (-40°C) to 131°F (55°C)

Bending Options

HORIZONTAL



VERTICAL



HORIZONTAL BEND DIAMETER



VERTICAL BEND DIAMETER



Dimensions



* See Series Data for more information
* To mitigate risks associated with thermal expansion and contraction, outdoor applications are limited to 9ft fixture lengths.

Specification & Instruction Subject to Change | 040725CM

KELVIX

Product Code Builder

Series	Length	Temp/Color	Bending
SW3S — Signwave 3 Silicone	PER PLANS xx.xx — Length (in)	30K 30K — 3000K 35K — 3500K 40K — 4000K 57K — 5700K RD — Red GRN — Green BL — Blue AM — Amber RGBW — Color Changing DW — Dim to Warm CT — Color Tuning	VF VH — Vertical HZ — Horizontal

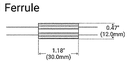
Feed Point	Feed Length	Rating
B B — Bottom Feed SL — Side-Feed Left SR — Side-Feed Right E — End Feed	S S — Standard (118") xx.xx — Length (in)	IP68 IP68 — IP68 Rated

Example: SW3S-36-27K-VR-B-S-IP68

Series Data

	Static White (Specify CCT)	Red	Green	Blue	Amber	RGBW	DW (1800K–30K)	CT (22K–57K)
Wavelength (nm)	N/A	620–630	520–530	465–475	585–595	N/A	N/A	N/A
Wattage (W/ft)	3.7	2.4	3.7	3.7	2.4	4.6	3.7	3.65
Power Feed (ft)*	Every 26ft	Every 38ft	Every 26ft	Every 26ft	Every 38ft	Every 25ft	Every 26ft	Every 22ft
Production Intervals (in)	2.19"	3.25"	2.19"	2.19"	3.25"	3.25"	2.46"	3.28"

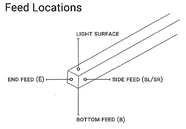
Ferrule



DryWire ferrule located 4.53" (±0.39") from the cable connector. Protects against damage from water ingress inside cable wire. Please note that any attempt to remove the anti-wicking ferrule will result in the voiding of the warranty.

* To mitigate risks associated with thermal expansion and contraction, outdoor applications are limited to 9ft fixture lengths.

Feed Locations



Specification & Instruction Subject to Change | 040725CM

KELVIX

Feed Options

Bottom Feed (IP68)‡



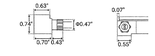
Unit Number	B
Unit Width	0.63" (16.0mm)
Unit Height	1.18" (29.9mm)



Side Feed Right/Left (IP68)‡



Unit Number	SL/SR
Unit Width	0.70" (2.75mm)
Unit Height	0.74" (2.91mm)



End Feed (IP68)‡



Unit Number	E
Unit Width	0.62" (15.7mm)
Unit Height	0.66" (16.7mm)



End Cap

End Cap (IP68)



Unit Number	EC
Unit Width	0.62" (15.7mm)
Unit Height	0.66" (16.7mm)



‡ Ferrule not included. The provided drawings and images are intended solely as a visual reference and does not fully depict the final product.

Specification & Instruction Subject to Change | 040725CM

KELVIX

Accessories

Aluminum Serrated Channel — STRAIGHT RUN



Unit Number	SW-K-AL-CH-SR-2M
Material	Aluminum
Length	78.75" (2m)
Width	0.80" (20.2mm)
Height	0.82" (20.8mm)
Internal Width	0.64" (16.3mm)



Aluminum Serrated Clip — CURVED RUN



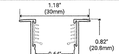
Unit Number	SW-K-CLP-AL-SR
Material	Aluminum
Length	0.79" (20.0mm)
Width	0.80" (20.0mm)
Height	0.82" (20.8mm)
Internal Width	0.64" (16.8mm)



Serrated Recessed Channel



Unit Number	SW-K-AL-CH-SR-RC-2M
Material	Aluminum
Length	78.74" (2m)
Width	1.18" (30mm)
Height	0.82" (20.8mm)
Internal Width	0.64" (16.3mm)



Aluminum Serrated Flex Channel



Unit Number	SW-K-CH-AL-FLX-1M
Material	Aluminum
Length	39.30" (1m)
Width	0.80" (20.2mm)
Height	0.82" (20.8mm)
Internal Width	0.64" (16.3mm)



Plastic Channel



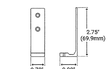
Unit Number	SW-K-CH-PL-2M
Material	Plastic
Length	78.75" (2m)
Width	0.79" (20.0mm)
Height	0.92" (23.5mm)
Internal Width	0.35" (8.9mm)



Side Mounting Bracket



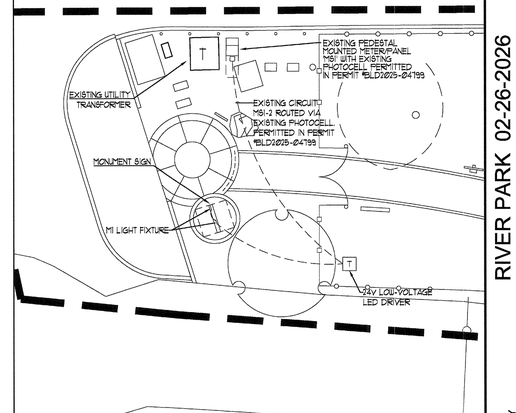
Unit Number	SW-CLP-RA
Material	Aluminum
Length	0.78" (20.0mm)
Width	0.98" (25.0mm)
Height	2.75" (70.0mm)
	Must be paired with channel



USE TO MOUNT FOR BOTH RUNS. 8" SPACING MIN.

Specification & Instruction Subject to Change | 040725CM

LIGHTING CUT SHEET | 4



SITE POWER PLAN | SCALE: 1/16" = 1'-0" | 3

RIVER PARK 02-26-2026

FOR CITY USE ONLY

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:

COA BM 5A-30A
BROADWAY & OLIVE STREET.
ELEVATION = 160.04' (NAVD-88)

mpe consulting
MECHANICAL . ELECTRICAL . PLUMBING
10807 Thornmint Rd.
San Diego, CA 92127
p: 858.673.4445
www.mpeconsulting.com

REGISTERED PROFESSIONAL ENGINEER
DANIEL W. MAYORGAS
E018377
Exp. 6-30-26
ELECTRICAL
STATE OF CALIFORNIA

24-447

LIGHTING DETAIL SHEET		E001
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806		SGN2025-00163 SHEET 5 OF 6
SCALE: SCALE PER SHEET	DRAWN BY: VM,TF	CHECKED BY: JO
CITY OF ANAHEIM		E001

PLOT DATE: 02-26-2026

STATE OF CALIFORNIA
Sign Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTS-E
This document is used to demonstrate compliance with requirements in 110.9, 110.12, 130.0/ 160.5, 130.3/ 160.5(d), 140.8/ 170.2(e) and 141.0(b)2M/ 180.2(b)4Bvi for sign lighting scopes using the prescriptive path. Exit signs and traffic signs are not required to comply with prescriptive requirements per exceptions to 140.8/ 170.2(e) and do not need to complete this compliance document.		
Project Name: ANAHEIM RIVER PARK	**Report Page:**	**(Page 1 of 5)**
Project Address: 2445 EAST ORANGEWOOD AVE.	**Date Prepared:**	10/16/2025

A. GENERAL INFORMATION

01	Project Location (city)	ANAHEIM
02	Climate Zone	8
03	Occupancy Types within Project	☐ Healthcare Facility
		☐ Multifamily/ MF Mixed-use >= 4 stories (includes dormitory, senior living)

B. PROJECT SCOPE

This table includes illuminated signs that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.8/ 170.2(e) or 141.0(b)2M/ 180.2(b)4Bvi for alterations. Exit signs and traffic signs are not required to comply with prescriptive requirements per exceptions to 140.8/ 170.2(e) and do not need to complete this compliance document.

01	02	03	04	05
Name or Item Tag	Complete Sign Description	Sign Status[1]	Sign Type	Compliance Method[2]
S	ANAHEIM RIVER PARK SIGN	New	Outdoor	Max Allowed Lighting Power

[1] *FOOTNOTE: Sign alterations that increase the connected lighting load, replace and rewire more that 50% of the ballasts, or relocate the sign to a different location must comply with 140.8/ 170.2(e). See 141.0(b)2M/ 180.2(b)4Bvi for more details.*

[2] *The ENERGY VERIFIED Label compliance method is only applicable if the sign has a permanent, factory-installed, ENERGY VERIFIED label certified by UL or comparable, confirming the sign complies with 140.8/ 170.2(e). Note that using an ENERGY VERIFIED label is an optional compliance path, not a mandatory requirement. See the tooltips for this table for more details.*

STATE OF CALIFORNIA
Sign Lighting
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CERTIFICATE OF COMPLIANCE		NRCC-LTS-E
Project Name: ANAHEIM RIVER PARK	**Report Page:**	**(Page 2 of 5)**
	Date Prepared:	10/16/2025

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables B through H. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01	02	03		04		05		06	07
Name or Item Tag (See Table B)	Complete Sign Description (See Table B)	Total Allowed (Watts) (See Table F)	≥	Total Designed (Watts) (See Table F)	OR	Compliant Light Sources (See Table G)	OR	ENERGY VERIFIED Label (See Table H)	**Compliance Results**
S	ANAHEIM RIVER PARK SIGN	87.4	≥	70.3	**OR**		**OR**		COMPLIES
								Controls Compliance (See Table F/G/H for Details)	COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Sign Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTS-E
Project Name: ANAHEIM RIVER PARK	**Report Page:**	**(Page 3 of 5)**
	Date Prepared:	10/16/2025

F. MAXIMUM ALLOWED LIGHTING POWER AND CONTROLS

This table includes illuminated signs using the Maximum Allowed Lighting Power compliance method per 140.8(a) / 170.2(e) as indicated on Table B of this compliance document. It also demonstrates compliance with mandatory controls requirements from 130.3 / 160.5(d) by indicating control types for each sign.

01	02	03	04	05	06	07	08			09	
Name or Item Tag	Complete Sign Description	Illumination Method	Sign Area (ft^2)	Allowed Density (W/ft^2)	Allowance (Watts)	Design Watts	Mandatory Controls			Field Inspector	
							Shut-Off	Dimming	Demand Response[1]	Pass	Fail
S	ANAHEIM RIVER PARK SIGN	Externally	38	2.3	87.4	70.3	Automatic Time Switch + Photocontrol (outdoor)			☐	☐
		10	11		12	13		14			
		Luminaire Name or Item Tag	Complete Luminaire Description		Watts per luminaire	How is Wattage determined		Total Number of Luminaires			
		M1	TAPE LIGHT 3.7W/FT		3.7	Mfr. Spec		19			

** NOTES: Controls with a * require a note in the space below explaining how compliance is achieved. EX: Sign within tunnel illuminated day and night; EXCEPTION to 130.3(a)2A.*

[1] *FOOTNOTE: Demand response controls are only required for an Electronic Message Center having a new connected lighting power load greater than 15 kW per 110.12(d)*

G. LIGHT SOURCES AND CONTROLS

This section does not apply to this project.

H. ENERGY VERIFIED LABELED SIGNS AND CONTROLS

This section does not apply to this project.

STATE OF CALIFORNIA
Sign Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTS-E
Project Name: ANAHEIM RIVER PARK	**Report Page:**	**(Page 4 of 5)**
	Date Prepared:	10/16/2025

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTS-E - Must be submitted for all buildings

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

STATE OF CALIFORNIA
Sign Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTS-E
Project Name: ANAHEIM RIVER PARK	**Report Page:**	**(Page 5 of 5)**
Project Address: 2445 EAST ORANGEWOOD AVE.	**Date Prepared:**	10/16/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Dan Mayorgas	Documentation Author Signature: *Dan Mayorgas*
Company: MPE Consulting	Signature Date: 2025-10-16
Address: 10807 Thornmint Road	CEA/ HERS Certification Identification (if applicable): E018377
City/State/Zip: San Diego CA 92127	Phone: 858-673-4445

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: DAN MAYORGAS	Responsible Designer Signature: *Dan Mayorgas*
Company: MPE CONSULTING	Date Signed: 2025-10-16
Address: 10807 THORNMINT ROAD	License: E018377
City/State/Zip: SAN DIEGO CA 92127	Phone: 8586734445

RIVER PARK 02-26-2026

FOR CITY USE ONLY

TITLE 24 | 1

REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

BENCH MARK:
COA BM 5A-30A
BROADWAY & OLIVE STREET.
ELEVATION = 160.04' (NAVD-88)

mpe consulting
MECHANICAL . ELECTRICAL . PLUMBING
10807 Thornmint Rd.
San Diego, CA 92127
p: 858.673.4445
www.mpeconsulting.com

REGISTERED PROFESSIONAL ENGINEER — DANIEL W. MAYORGAS — E018377 — Exp. 6-30-26 — ELECTRICAL — STATE OF CALIFORNIA

24-447

TITLE 24		E002
SITE ADDRESS: RIVER PARK 2445 EAST ORANGEWOOD AVE. ANAHEIM, CA 92806		SGN2025-00163
		SHEET 6 OF 6
SCALE: NA	DRAWN BY: VM,TF	CHECKED BY: JO
CITY OF ANAHEIM		E002

PLOT DATE: 02-26-2026