

S:\Projects\2022\0843 - City of San Diego - Clay Avenue Mini Park\05-CD\17-406 - S-TITLE.dwg 06/05/2022 08:43

CONSTRUCTION DOCUMENTS for:

CLAY AVENUE MINI PARK

LEGAL DESCRIPTION:

LOTS 10 AND 11 IN BLOCK 334 OF CHOATE'S ADDITION, IN THE CITY OF SAN DIEGO, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 156, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAID SAN DIEGO COUNTY, JULY 14, 1886.

SITE ADDRESS

3161 1/3 CLAY AVENUE, SAN DIEGO, CA 92113

ASSESORS PARCEL NUMBER:

APN: 545-521-0900

SURVEY DATA:

BENCH MARK: CENTERLINE WELL MONUMENT AT INTERSECTION OF 31ST STREET AND OCEAN VIEW BLVD
ELEV.= 52.879

FIELD NOTES:

BASIS OF BEARINGS / COORDINATES:

GPS PT#176 TO GPS PT#1149 N33°20'05"E, HD 5001.56 FT
CCS 83 (EPOCH 1991.35 FEET)

DATUM: NGVD 29

REFERENCES:

MAP NO. 156

TOPOGRAPHY SOURCE: FIELD SURVEY METHODS ON JUNE 8-9, 2017

WATER FEES:

WATER AND SEWER CAPACITY FEES AND THE WET TAP FEES SHALL BE PRE-PAID BY THE CONTRACTOR WHO SHALL BE REIMBURSED BY THE CITY; THE CONTRACTOR SHALL PAY ALL OTHER CONSTRUCTION AND MAINTENANCE WATER METER AND SEWER FEES, AND SHALL COORDINATE WITH THE WATER UTILITIES DEPARTMENT FOR INSTALLATION OF SERVICES. ALLOW THREE (3) MONTHS NOTICE TO THE WATER UTILITIES DEPARTMENT.

SHEET INDEX:

SHEET NO.	DISCIPLINE CODE	TITLE
1	G-1.0	COVER SHEET
2	G-1.1	ACCESSIBILITY PLAN
3	D-1.0	DEMOLITION PLAN
4	C-1.0	GRADING PLAN
5	C-1.1	GRADING PLAN
6	C-1.2	GRADING PLAN
7	C-1.3	BMP MAP PERMANENT STORM WATER BEST MANAGEMENT PRACTICES (BPM) - STANDARD DEVELOPMENT PROJECTS
8	LC-1.0	CONSTRUCTION PLAN
9	LC-2.0	CONSTRUCTION DETAILS
10	LC-2.1	CONSTRUCTION DETAILS
11	LC-2.2	CONSTRUCTION DETAILS
12	LC-2.3	CONSTRUCTION DETAILS
13	LC-2.4	CONSTRUCTION DETAILS
14	E-0.1	ELECTRICAL SYMBOLS, LEGEND AND ABBREVIATIONS
15	E-0.2	TITLE 24
16	E-0.3	TITLE 24
17	E-0.4	TITLE 24
18	E-1.1	ELECTRICAL SITE PLAN
19	E-5.1	ELECTRICAL DETAILS
20	E-5.2	ELECTRICAL DETAILS
21	E-6.1	SINGLE LINE DIAGRAM, CALCULATIONS AND SCHEDULES
22	LTG-1	PHOTOMETRIC CALCULATIONS - NORTH
23	LTG-2	PHOTOMETRIC CALCULATIONS - SOUTH
24	LI-0.1	WATER USE ANALYSIS
25	LI-1.0	PLANTING PLAN
26	LP-1.0	PLANTING PLAN

SCOPE OF WORK:

CITY OWNED 0.19 ACRE PARK IS TO INCLUDE THE FOLLOWING IMPROVEMENTS: PLAYGROUND EQUIPMENT AND RESILIENT SURFACING, PICNIC AREA, OPEN PLAY AREA, ACCESSIBLE SIDEWALKS, ACCESSIBLE STREET PARKING STRIPING, ALLEY SECURITY GATE, AND SECURITY LIGHTING.

SCOPE OF WORK FOR DSD PERMITTING:

SECURITY LIGHTING AND DRINKING FOUNTAIN AND ASSOCIATED PLUMBING.

CAUTION NOTE:

BEFORE EXCAVATING, VERIFY THE LOCATION OF UNDERGROUND UTILITIES. AT LEAST TWO (2) WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR SHALL REQUEST MARKOUT OF UNDERGROUND UTILITIES BY CALLING THE BELOW LISTED REGIONAL NOTIFICATION CENTER FOR AN INQUIRY IDENTIFICATION NUMBER:

UNDERGROUND SERVICE ALERT 800-422-4133

(GAS, ELECTRIC, TELEPHONE, WATER, SEWER, LIGHTING, AND TV)

IRRIGATION SYSTEMS 619-533-5783

IRRIGATION CONTROL WIRE 619-533-5783

FACILITIES MAINTENANCE DIVISION 619-525-8500

- SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER CALL UNDERGROUND SERVICE ALERT AT 1-800-422-4133 TWO WORKING DAYS BEFORE YOU DIG.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL SUBSTRUCTURES, WHETHER SHOWN HEREON OR NOT, AND PROTECT THEM FROM DAMAGE. THE EXPENSE OF REPAIR OR REPLACEMENT OF SAID SUBSTRUCTURES SHALL BE BORNE BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO ENFORCE SAFETY MEASURES OR REGULATIONS.
- LOCATION AND ELEVATION OF ALL EXISTING IMPROVEMENTS WITHIN THE AREA OF WORK SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES TO PROTECT EXISTING IMPROVEMENTS.
- CONTRACTOR IS RESPONSIBLE FOR POT HOLING PRIOR TO START OF CONSTRUCTION TO VERIFY ALL ELEVATIONS OF UNDERGROUND UTILITIES.
- CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR FOR MARK-OUT OF ALL PRIVATE UTILITIES LOCATED ON PARK PROPERTY PRIOR TO EXCAVATION.

DECLARATION OF RESPONSIBLE CHARGE:

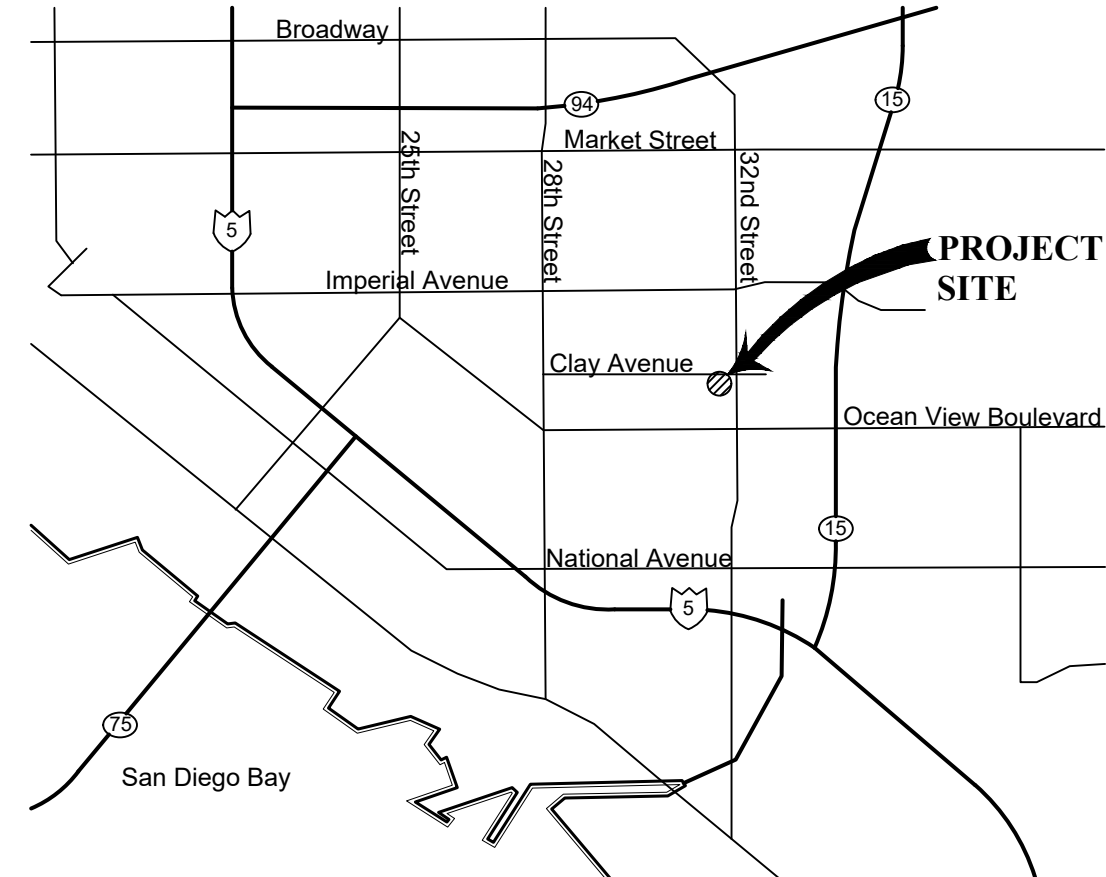
I HEREBY DECLARE THAT I AM THE LANDSCAPE ARCHITECT OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF THE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS THE LANDSCAPE ARCHITECT OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

Jeff Justus 05/05/2021
SIGNATURE DATE

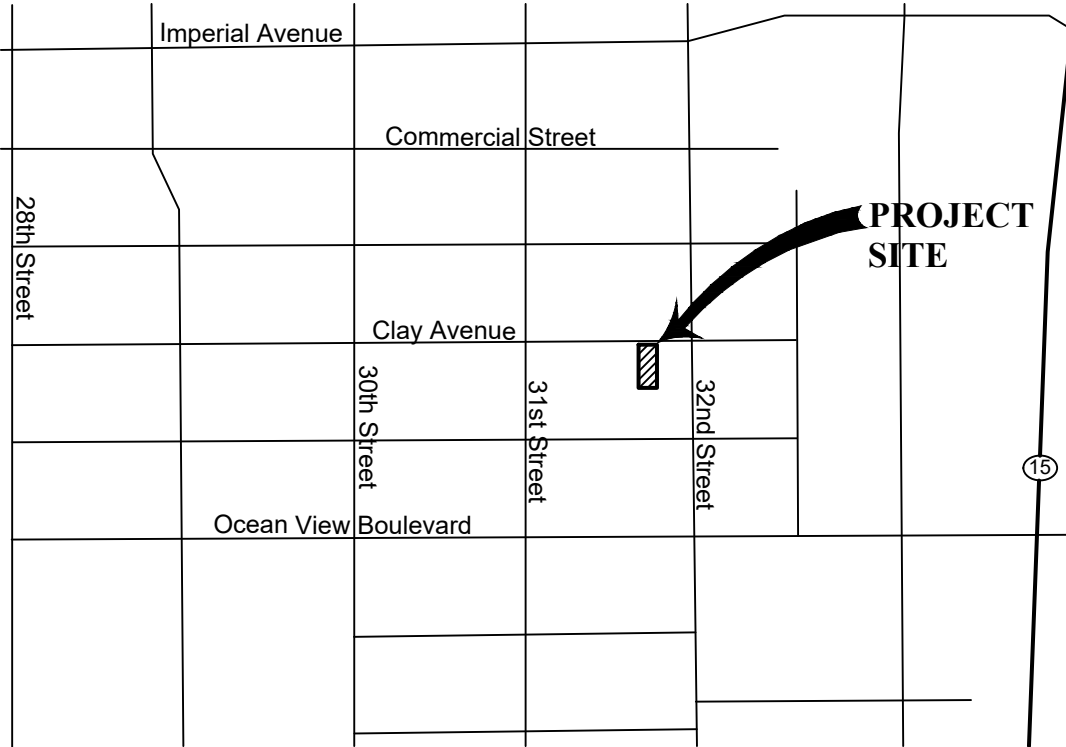
JEFF JUSTUS
REGISTRATION NO. 4028

JEFF JUSTUS, PRINCIPAL
SCHMIDT DESIGN GROUP, INC.
1111 SIXTH AVENUE, SUITE 500 SAN DIEGO, CA 92101
PHONE NO. (619) 236-1462. FAX NO. (619) 236-8792
EMAIL: jjustus@schmidtsgroup.com



VICINITY MAP

NTS



LOCATION MAP

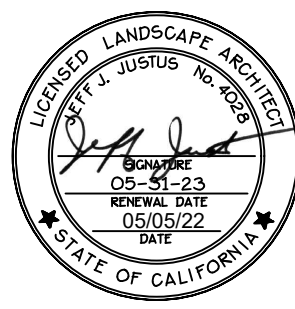
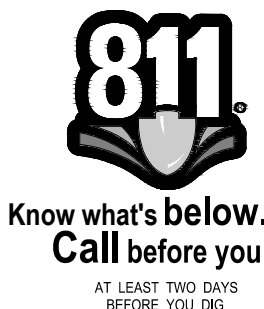
NTS



MONUMENTATION/ SURVEY NOTES:

THE CITY OF SAN DIEGO LAND SURVEYORS SHALL REPLACE SURVEY MONUMENTS WITH APPROPRIATE MONUMENTS. WHEN SETTING SURVEY MONUMENTS USED FOR RE-ESTABLISHMENT OF THE DISTURBED CONTROLLING SURVEY MONUMENTS, AS REQUIRED BY SECTIONS 6730.2 AND 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED WITH THE COUNTY SURVEYOR.

IF ANY HORIZONTAL OR VERTICAL CONTROL IS TO BE DESTROYED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING ANY HORIZONTAL CONTROL AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION. IF THE CITY OF SAN DIEGO SURVEY SECTION IS NOT NOTIFIED PRIOR TO CONSTRUCTION, THE FILING OF A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED WITH COUNTY SURVEYOR. A COPY OF THE FILED DOCUMENT SHALL BE FURNISHED TO THE CITY OF SAN DIEGO SURVEY SECTION.



PROJECT DIRECTORY:

OWNER: CITY OF SAN DIEGO. ENGINEERING & CAPITAL PROJECTS DEPARTMENT 525 "B" STREET, SUITE 750 MS 908A SAN DIEGO, CA 92101 PHONE: (619) 533-5219	CONTACT: LYDIA L. MARSHALL PROJECT MANAGER email:lmmarshall@sandiego.gov
PRIME CONSULTANT & LANDSCAPE ARCHITECT: SCHMIDT DESIGN GROUP, INC. 1310 ROSECRANS ST., SUITE G SAN DIEGO, CA 92106 PHONE: (619) 236-1462	CONTACT: JEFF JUSTUS, PRINCIPAL email: jjustus@schmidtsgroup.com JESUS ALAN FIGUEROA PROJECT MANAGER email: jfigueroa@schmidtsgroup.com
DESIGN CONSULTANT(S): CIVIL ENGINEER FUSCOE ENGINEERING, INC. 6390 GREENWICH DRIVE, SUITE 170 SAN DIEGO, CA 92122 (858) 554-1500 CONTACT: KEN KOZLIK	ELECTRICAL ENGINEER BSE ENGINEERING 10680 TREENA STREET, SUITE 100 SAN DIEGO, CA 92131 (858) 279-2000 CONTACT: BRANDON REED

APPLICABLE STANDARD DRAWINGS & SPECIFICATIONS:

GREENBOOK - STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION INCLUDING THE CITY OF SAN DIEGO "WHITEBOOK" SUPPLEMENT TO THE GREENBOOK (2021).

CITY OF SAN DIEGO STANDARD DRAWINGS (2021).

CALIFORNIA BUILDING STANDARDS CODE "TITLE 24" PART 2 - VOLUME 1 ACCESSIBILITY REGULATIONS AND CALIFORNIA STATE ACCESSIBILITY STANDARDS INTERPRETIVE MANUAL (CURRENT EDITION) PREPARED BY THE OFFICE OF THE STATE ARCHITECT AND THE DEPARTMENT OF REHABILITATION.

AMERICAN WITH DISABILITIES ACT TITLE II REGULATIONS 28 CFR PART 35, 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.

MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES. STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CURRENT EDITION).

U.S. CONSUMER PRODUCTS SAFETY COMMISSION HANDBOOK FOR PLAYGROUND SAFETY (CURRENT EDITION).

CALIFORNIA BUILDING CODE (MOST CURRENT EDITION)

CITY OF SAN DIEGO STORM WATER STANDARDS MANUAL (CURRENT EDITION)

NOTE: THE MOST CURRENT EDITIONS OF THE PRECEDING DOCUMENTS SHALL BE USED. WHERE ONE OR MORE SETS OF SPECIFICATIONS OR DRAWINGS ARE APPLICABLE, THE MORE RESTRICTIVE SHALL TAKE PRECEDENCE.

CONSTRUCTION STORM WATER PROTECTION NOTES:

- TOTAL SITE DISTURBANCE AREA (ACRES) 0.19 AC
HYDROLOGIC UNIT / WATERSHED HYDROLOGIC PUEBLO SAN DIEGO
HYDROLOGIC SUB AREA NAME AND NUMBER CHOLLAS 908.22
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE:
 - ☒ WPCP
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100
 - ☐ SWPPP
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100 AND CONSTRUCTION GENERAL PERMIT ORDER 2009-0009-DWQ AS AMENDED BY ORDER 2010-0014-DWQ AND 2012-0006-DWQ
 - A. TRADITIONAL: RISK LEVEL ☐ 1 ☐ 2 ☐ 3
 - B. LUP: RISK TYPE ☐ 1 ☐ 2 ☐ 3
- CONSTRUCTION SITE PRIORITY
☐ ASBS ☐ HIGH ☐ MEDIUM ☒ LOW

PARK INSPECTION TEAM:

- SITE SUPERINTENDENT (CONTRACTOR).
- SUB CONTRACTOR(S).
- RESIDENT ENGINEER FROM FIELD ENGINEERING DEPT.
- DESIGN CONSULTANT(S).
- CITY PROJECT MANAGER
- PARK & RECREATION DISTRICT MANAGER.
- PARK & RECREATION ASSET MANAGER.

PARK INSPECTION STAGES:

IN ADDITION TO THE RESIDENT ENGINEER'S INSPECTIONS, PARK & RECREATION REPRESENTATIVE(S) TO BE PRESENT AT THE FOLLOWING PARK INSPECTION STAGES:

- PRE-CONSTRUCTION MEETING.
- ROUGH GRADING AND DRAINAGE.
- IRRIGATION MAINLINE PRESSURE TEST.
- WIRING PRIOR TO BACKFILLING TRENCHES.
- HARDSCAPE AT TIME OF FINISHED STAKING AND LAYOUT.
- FINISH GRADING AND SOIL PREPARATION.
- IRRIGATION COVERAGE TEST.
- PLANT MATERIAL (WHEN DELIVERED) AND PLACEMENT APPROVAL.
- PLAYGROUND INSPECTION.
- PROJECT CONSTRUCTION 90% COMPLETE (DEVELOP PUNCH LIST AND SUBMIT RED-LINE AS-BUILT).
- 90-DAY PLANT MAINTENANCE PERIOD (THIS INSPECTION TO BE HELD WHEN THE PUNCH LIST ITEMS ARE COMPLETE.
- FINAL WALK-THROUGH, ACCEPTANCE BY THE CITY. CONTRACTOR TO SUBMIT FINAL APPROVED AS-BUILTS TO THE CITY.

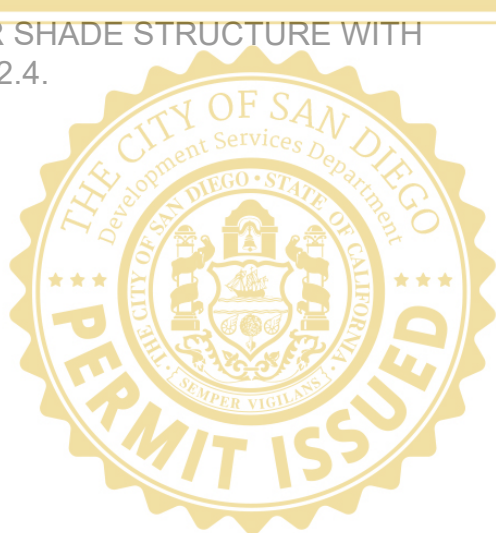
DEFERRED SUBMITTAL

REFER TO SHEET G-1.1 FOR NOTES REGARDING DEFERRED SUBMITTAL REQUIREMENTS.

ADDITIVE ALTERNATES

- PROVIDE 18" TALL GARDEN ACCENT WALL IN PLACE OF CONCRETE CURB, SEE SHEET LC-1.0 & LC-2.0.
- PROVIDE BOULDERS, SEE SHEET LC-1.0 & LC-2.0.
- PROVIDE ETCHED TEXT IN CONCRETE, SEE SHEET LC-1.0 & LC-2.1.
- PROVIDE 15 GAL PODOCARPUS MACROPHYLLUS 'MAKI' IN PLACE OF 5 GAL PODOCARPUS MACROPHYLLUS 'MAKI', SEE SHEET LP-1.0.

5. PROVIDE 14" X 26" STRAIGHT ARBOR SHADE STRUCTURE WITH THIS FOOTINGS; SEE SHEET LC-1.0 & LC-2.4. be kept on the site of the structure of work at all times during which work authorized by these plans is in progress, and shall be made available to City officials upon request. It is unlawful to change, modify, or alter the approved plans and specifications without authorization of the Building Official. The stamping of these plans and specifications SHALL NOT be held to permit nor approve the violation of any City, County, State, or Federal laws, nor restrictions.



G-1.0

AS-BUILT INFORMATION

-	-
-	-
-	-
-	-
-	-

CONSULTANT

SPEC. NO. 1854C



**SCHMIDT
DESIGN
GROUP**

1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
[SCHMIDTSGROUP.COM](http://schmidtsgroup.com)



PROJECT #: 17-406 - DRAWN BY: JF - CHECKED BY: JJ

PLT DATE: 05.05.2021

CONTRACTOR INSPECTOR

DATE STARTED

DATE COMPLETED

PLANS FOR THE CONSTRUCTION OF
CLAY AVENUE MINI PARK
COVER SHEET

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING & CAPITAL PROJECTS
SHEET 01 OF 26 SHEETS

WBS L-16000.5

APPROVED: <i>Jennifer Scott</i> FOR CITY ENGINEER JENNIFER SCOTT PRINT NAME	06/17/2022 DATE C74917 RCE#	SUBMITTED BY: LYDIA MARSHALL PROJECT MANAGER
DESCRIPTION	BY	CHECKED BY: LYDIA MARSHALL PROJECT ENGINEER
ORIGINAL	SDG	
		194-1725 CCS27 COORDINATE
		1837-6292 CCS83 COORDINATE

40621-01-D

CONSTRUCTION CHANGE / ADDENDUM

CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

WARNING

0 1
SHEET SIZE AND SCALE:
IF SHEET SIZE IS LESS
THAN 22" X 34" OR THIS
BAR DOES NOT
MEASURE 1", IT IS A
REDUCED PRINT -
SCALE ACCORDINGLY.



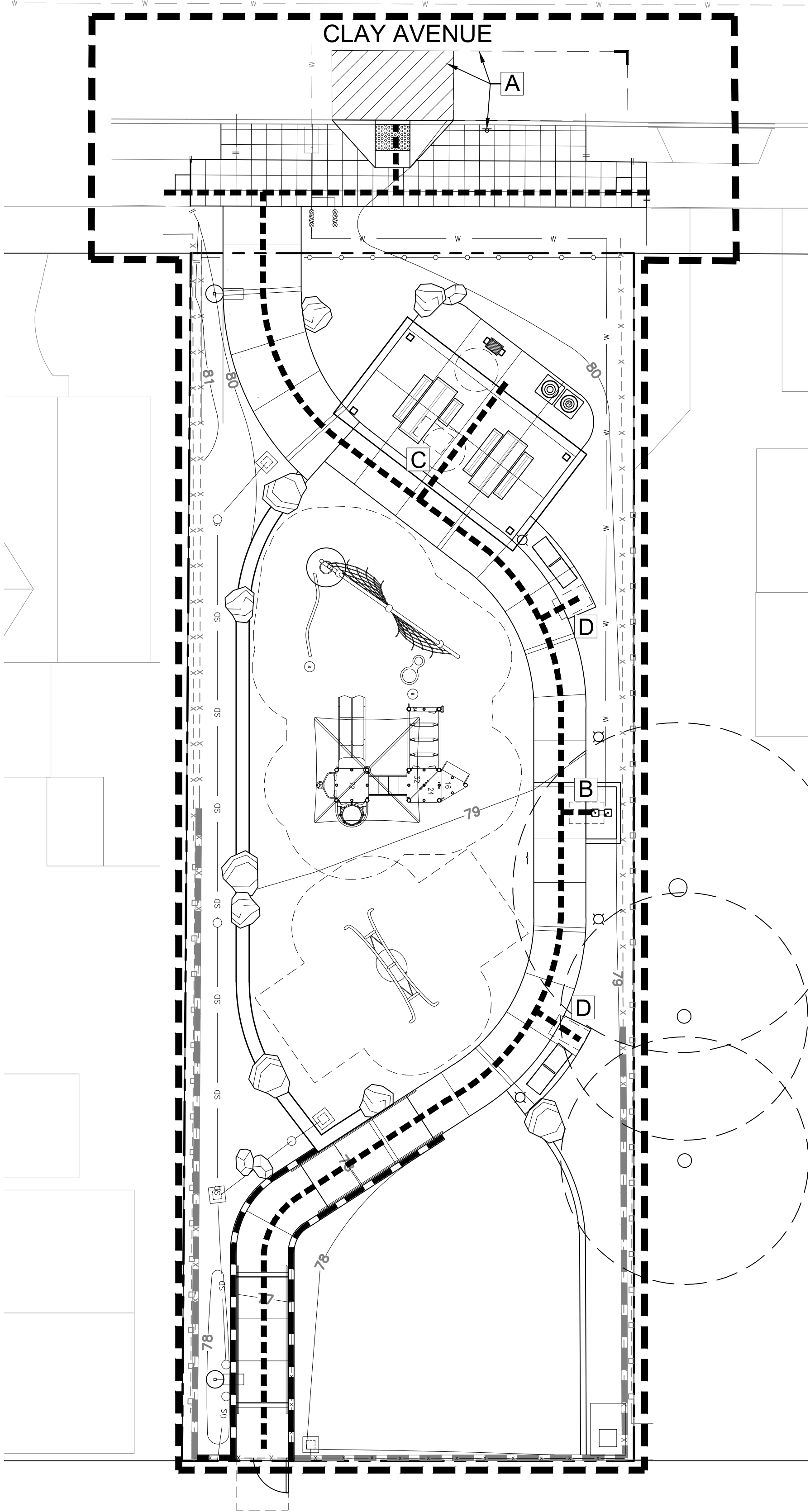
ENGINEERING & CAPITAL PROJECTS

CLAY AVENUE MINI PARK

DEFERRED SUBMITTAL

DEFERRED SUBMITTAL ITEM(S) ARE THE FOLLOWING:

- A. PRE-FABRICATED SHADE STRUCTURE (SEE SHEET LC-2.4)
(ADDITIVE ALTERNATE)
1. DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL INCLUDE A STATEMENT BY THE ARCHITECT OR ENGINEER OF RECORD IN RESPONSIBLE CHARGE INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN GENERAL CONFORMANCE TO THE DESIGN OF THE BUILDING.
2. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE BUILDING OFFICIAL HAS APPROVED THE DEFERRED SUBMITTAL DOCUMENTS. THE DEFERRED SUBMITTALS SHALL BE IN ACCORDANCE WITH THE BUILDING CODES UNDER WHICH THEY WERE PERMITTED.
3. CONSTRUCTION DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS (PLANS, SPECIFICATIONS, STRUCTURAL CALCULATIONS, REPORTS, ETC.) ARE TO BE SUBMITTED ELECTRONICALLY TO DEVELOPMENT SERVICES DEPARTMENT IN A TIMELY MANNER TO NOT HOLD UP CONSTRUCTION.
4. CONTRACTOR IN RESPONSIBLE CHARGE OF CONSTRUCTION OF THIS CITY PROJECT ASSUMES FULL RESPONSIBILITY FOR MANUFACTURING, CONSTRUCTION, AND INSTALLATION OF ALL DEFERRED SUBMITTAL ITEMS COMPLYING WITH ALL REQUIREMENTS OF THE GOVERNING CALIFORNIA BUILDING CODES AS WELL AS ALL CITY OF SAN DIEGO'S REGULATIONS. ANY ELEMENTS MANUFACTURED, CONSTRUCTED, OR INSTALLED IN VIOLATION OF SUCH CODES AND REGULATIONS WILL BE SUBJECT TO IN-SITU TESTING AND/OR REMOVAL FROM THE SITE AT THE SOLE EXPENSE OF THE CONTRACTOR.



LEGEND:

- A ACCESSIBLE ON-STREET PARALLEL PARKING SPACE, SIGN, AND STRIPING PER SDM-117
- B DRINKING FOUNTAIN, SHALL COMPLY WITH 2019 CBC, 11B-211
- C ACCESSIBLE PICNIC TABLE
- D ACCESSIBLE WHEELCHAIR SPACE WITH COMPANION SEATING

- ACCESSIBLE ROUTE
- LIMIT OF WORK
- PROPERTY LINE



ACCESSIBILITY COMPLIANCE NOTES



1. ALL SLOPES SHOWN ON THIS PLAN WERE DESIGNED AT OR BELOW MAXIMUMS ALLOWED BY THE ACCESSIBILITY REQUIREMENTS IN THE 2010 ADA STANDARDS AND 2019 CALIFORNIA BUILDING CODE. IN ORDER TO ALLOW FOR CONSTRUCTION TOLERANCES, IT IS THE CONTRACTORS RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH ACCESSIBILITY REQUIREMENTS AND IN THE EVENT THAT A DESIGN QUESTION SHOULD ARISE, OR A FIELD CONDITION PRESENTS ITSELF THAT IS DIFFERENT THAN SHOWN ON THESE PLANS, WORK SHOULD CEASE AND THE ENGINEER BE NOTIFIED SO THAT AN ACCEPTABLE SOLUTION CAN BE DETERMINED.
2. THE CONTRACTOR IS ADVISED TO CAREFULLY CHECK ALL PHASES OF WORK RELATING TO ACCESSIBILITY REQUIREMENTS FOR THIS PROJECT. SINCE THE CODE DOES NOT ALLOW FOR A CONSTRUCTION TOLERANCE THAT EXCEEDS MAXIMUM OR MINIMUM DIMENSIONS AND SLOPES AS CALLED OUT BY 2010 ADA STANDARDS AND 2018 CALIFORNIA BUILDING CODE, ALL PHASES OF WORK RELATING TO ACCESSIBILITY REQUIREMENTS ACCESS FOR THIS PROJECT ARE SUBJECT TO REJECTION BY THE CITY AND MAY BE REQUIRED TO BE REMOVED AND REPLACED.
3. SINCE THE CIVIL ENGINEER OR SURVEYOR CANNOT CONTROL THE EXACT METHODS OR MEANS USED BY THE GENERAL CONTRACTOR OR THEIR SUBCONTRACTOR DURING GRADING AND CONSTRUCTION OF THE PROJECT, THE CIVIL ENGINEER ASSUMES NO RESPONSIBILITY FOR FINAL ACCEPTANCE OF 2010 ADA STANDARDS AND 2019 CBC RELATED ITEMS OF THIS PROJECT BY THE CITY, ANY OTHER AUTHORITY OR OTHER AFFECTED PARTIES.

COMPLIANCE WITH 2010 ADA STANDARDS AND 2019 CBC CONSTRUCTION REQUIREMENTS WILL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

This set of plans and specifications shall be kept on the site of the structure of work at all times during which work authorized by these plans is in progress, and shall be made available to City officials upon request. It is unlawful to change, modify, or alter the approved plans and specifications without authorization of the Building Official. The stamping of these plans and specifications SHALL NOT be held to permit nor approve the violation of any City, County, State, or Federal laws, nor restrictions.



G-1.1

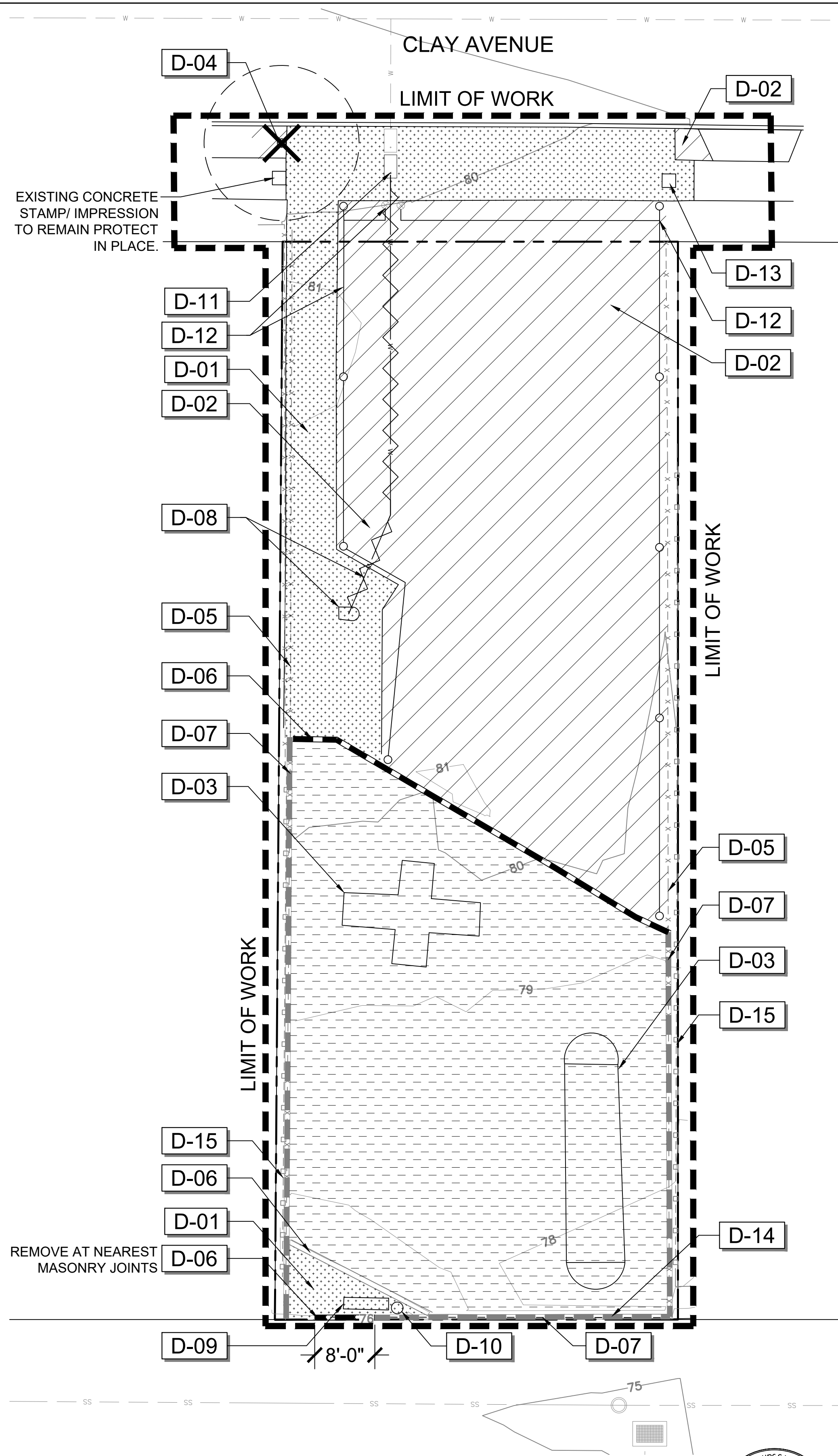
PLANS FOR THE CONSTRUCTION OF
CLAY AVENUE MINI PARK
ACCESSIBILITY PLAN

CONSULTANT		CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS SHEET 02 OF 26 SHEETS		WBS L-16000.5
 1310 Rosecrans St., Suite G, San Diego, CA 92106 619.236.1462 LIC. CA 2138 NV 219 AZ 34139 SCHMIDTDESIGN.COM		 APPROVED: FOR CITY ENGINEER JENNIFER SCOTT DATE 06/17/2022 RCE# C74917		SUBMITTED BY: LYDIA MARSHALL PROJECT MANAGER CHECKED BY: LYDIA MARSHALL PROJECT ENGINEER
PROJECT #: 17-406 - DRAWN BY: JF - CHECKED BY: JJ		DATE STARTED DATE COMPLETED		194-1725 CCS27 COORDINATE 1837-6292 CCS83 COORDINATE 40621-02-D

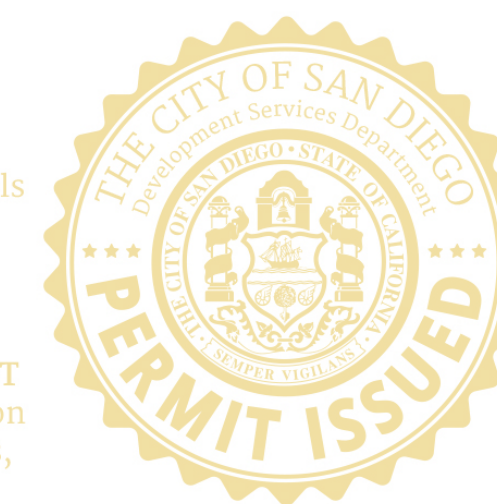
CLAY AVENUE MINI PARK

1. SUMMARY

4. TRUCK HAULING
A. THE CONTRACTOR SHALL SUBMIT A TRUCK HAUL ROUTE PLAN (11"x17") FOR APPROVAL PRIOR TO STARTING EXPORT OR IMPORT OF MATERIAL. THE PLAN SHALL BE SUBMITTED TO THE TRAFFIC CONTROL PERMIT CENTER, LAND DEVELOPMENT REVIEW DIVISION, 3RD FLOOR DEVELOPMENT SERVICES CENTER AT 1222 FIRST AVE. SAN DIEGO. THE CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF 5 DAYS PRIOR TO COMMENCING WORK.



DEMOLITION SCHEDULE	
SYMBOL	DESCRIPTION
D-01	6" MAX. DEPTH CONCRETE PAVING TO BE REMOVED. CONTRACTOR TO SAWCUT ALONG EXISTING CONCRETE SCORELINE UNLESS OTHERWISE INDICATED, TYP.
D-02	TURF TO BE REMOVED.
D-03	PLAYGROUND SURFACING/ SAND/ PLAY EQUIPMENT, AND CONCRETE FOOTINGS TO BE REMOVED.
D-04	TREE TO BE REMOVED.
D-05	CHAINLINK FENCE TO REMAIN, PROTECT IN PLACE. CONTRACTOR TO REMOVE WEEDS AND VINES OFF FENCE.
D-06	CONCRETE CURB/ CMU RETAINING WALL AND FOOTING TO BE REMOVED.
D-07	CONCRETE CURB/ CMU RETAINING WALL TO REMAIN, PROTECT IN PLACE. CONTRACTOR TO SANDBLAST ENTIRE WALL TO REMOVE ALL PAINT.
D-08	DRINKING FOUNTAIN, WATER LINE, AND LEACH LINE TO BE REMOVED.
D-09	CONCRETE BENCH TO BE REMOVED.
D-10	TRASH RECEPTACLE TO BE REMOVED.
D-11	IN-GROUND BACKFLOW, CONCRETE VAULT, AND PIPE FROM METER TO IRRIGATION VALVES TO BE REMOVED.
D-12	ENTIRE IRRIGATION SYSTEM INCLUDING VALVES, LATERALS, AND HEADS TO BE REMOVED.
D-13	EXISTING STAMP/ IMPRESSION SHALL BE SAWCUT AND SALVAGED. REINSTALL SALVAGED STAMP WITHIN NEW CONCRETE POUR.
D-14	EXISTING FENCE FABRIC ALONG SOUTH PORTION OF PARK TO BE REMOVED. POLES TO REMAIN PROTECT IN PLACE.
D-15	WOOD FENCE TO REMAIN, PROTECT IN PLACE.



D-1.0

PLANS FOR THE CONSTRUCTION OF CLAY AVENUE MINI PARK DEMOLITION PLAN

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

SCHMIDT
DESIGN
GROUP

REGISTERED PROFESSIONAL ENGINEER
JENNIFER SCOTT
NO. C74917
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: 06/17/2022

FOR CITY ENGINEER
JENNIFER SCOTT
PRINT NAME

C74917
RCE#

DESCRIPTION

BY

APPROVED

DATE

FILMED

ORIGINAL

SDG

06/17/2022

WBS

L-16000.5

SUBMITTED BY:

LYDIA MARSHALL

PROJECT MANAGER

CHECKED BY:

LYDIA MARSHALL

PROJECT ENGINEER

194-1725

CC527 COORDINATE

1837-6292

CC583 COORDINATE

PROJECT # : 17-406 - DRAWN BY: JF - CHECKED BY: JJ

PLT DATE: 05.05.2021

CONTRACTOR

INSPECTOR

DATE STARTED

DATE COMPLETED

40621-03-D

CLAY AVENUE MINI PARK

CLAY AVENUE MINI PARK

CONTRACTOR'S RESPONSIBILITIES

- PURSUANT TO SECTION 4216 OF THE CALIFORNIA GOVERNMENT CODE, AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION, YOU MUST CONTACT THE REGIONAL NOTIFICATION CENTER (E.G., UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA) AND OBTAIN AN INQUIRY IDENTIFICATION NUMBER.
- NOTIFY SDG&E AT LEAST 10 WORKING DAYS PRIOR TO EXCAVATING WITHIN 10' OF SDG&E UNDERGROUND HIGH VOLTAGE TRANSMISSION POWER LINES. (I.E., 69 KV & HIGHER)

PROJECT DATA

CONDITION OF SOIL: COMPACT

TOTAL AREA OF DISTURBANCE: 8,350 SF (0.19 AC)

GEOTECHNICAL RECOMMENDATIONS

- REMEDIAL GRADING SHOULD CONSIST OF REMOVING THE UPPER TWO FEET OF EXISTING SOILS ACROSS THE SITE AND REPLACING IT AS PROPERTY COMPACTED FILL. THE REMOVALS SHOULD EXTEND AT LEAST 2 FEET OUTSIDE OF THE IMPROVEMENT AREA, WHERE POSSIBLE.
- PRIOR TO FILL SOIL BEING PLACED, THE EXPOSED BOTTOM SHOULD BE SCARIFIED, MOISTURE CONDITIONED AS NECESSARY, AND COMPACTED TO A DEPTH OF AT LEAST 12 INCHES. DEEPER REMOVALS MAY BE REQUIRED IF SATURATED OR LOOSE SOIL IS ENCOUNTERED.
- EVEN WITH THE INCORPORATION OF THE RECOMMENDATIONS OF THE SOILS REPORT, THE EXTERIOR CONCRETE FLATWORK HAS A POTENTIAL TO EXPERIENCE SOME UPLIFT DUE TO EXPANSIVE SOIL BENEATH GRADE. THE STEEL REINFORCEMENT SHOULD OVERLAP CONTINUOUSLY IN FLATWORK TO REDUCE THE POTENTIAL FOR VERTICAL OFFSETS WITHIN FLATWORK. ADDITIONALLY, FLATWORK SHOULD BE STRUCTURALLY CONNECTED TO THE CURBS, WHERE POSSIBLE, TO REDUCE THE POTENTIAL FOR OFFSETS BETWEEN THE CURBS AND THE FLATWORK.

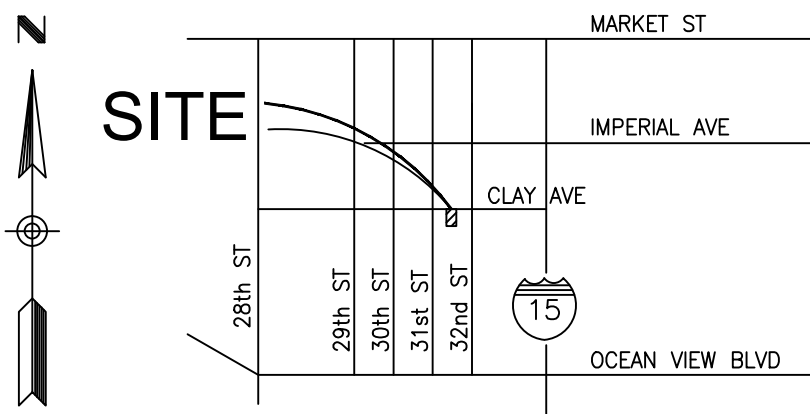
EARTHWORK ESTIMATE

ENGINEER'S ESTIMATE ONLY. NOT TO BE USED FOR BID PURPOSES

ONSITE CUT TO FILL: 265 CY

SHEET INDEX

SHEET NO.	DISCIPLINE CODE	TITLE	
4	C-1.0	COVER SHEET	
5	C-1.1	GRADING PLAN	
6	C-1.2	GRADING PLAN	
7	C-1.3	PERMANENT STORM WATER BEST MANAGEMENT PRACTICES (BMP) -STANDARD DEVELOPMENT PROJECTS	



VICINITY MAP
NOT TO SCALE

WORK TO BE DONE

CITY OWNED 0.17 ACRE PARK IS TO INCLUDE THE FOLLOWING IMPROVEMENTS: PLAYGROUND EQUIPMENT AND RESILIENT SURFACING, PICNIC AREA, OPEN PLAY AREA, ADA ACCESSIBLE SIDEWALKS, ACCESSIBLE STREET PARKING STRIPING, ALLEY SECURITY GATE, AND SECURITY LIGHTING.

LEGEND

PROPOSED WATER	
PROPOSED CONTOUR	
PROPOSED RETAINING WALL	
PROPOSED DRINKING FOUNTAIN (PER LC PLANS)	
PROPOSED HANDRAIL	
PROPOSED SEATWALL	
DAYLIGHT (EXISTING MEETS PROPOSED CONDITIONS)	
SAW CUT LINE	
AC/AB PAVING	
EXPANSION JOINT (PER LC-1.0 ITEM 3)	
DECORATIVE BOULDER (PER LC-2.0 DET 4.5)	
BACKFLOW PREVENTER (PER SDW-155)	

EXISTING STRUCTURES

EXISTING WATER	
EXISTING SEWER	
EXISTING SEWER MANHOLE	
EXISTING STORM DRAIN	
EXISTING STORM DRAIN INLET	
EXISTING CONTOUR	
EXISTING WATER METER	
EXISTING WATER GATE VALVE	
EXISTING CURB	
EXISTING WOODEN FENCE	
EXISTING CHAIN LINK FENCE	
EXISTING RETAINING WALL	

This set of plans and specifications shall be kept on file at all times during which work is authorized by the City of San Diego, and shall be made available to City officials upon request. It is unlawful to change, modify, or alter these plans and specifications without authorization of the City Engineer. Any person who violates these plans and specifications SHALL NOT be held liable for any damages or violation of any City, County, State, or Federal laws, nor restrictions.



DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

(KENNETH T. KOZLIK, RCE 71883)

05/05/2022
DATE

ABBREVIATIONS

ABAND	ABANDON	ELEC	ELECTRIC	OVHD	OVER HEAD
ABAND'D	ABANDONED	EX, EXIST	EXISTING	PVC	POLYVINYL CHLORIDE
AC	ASBESTOS CEMENT PIPE	E/O	EAST OF	PROP	PROPOSED
AHD	AHEAD	F	FLANGE	RED	REDUCER
ASSY	ASSEMBLY	FH	FIRE HYDRANT	RT	RIGHT
BFV	BUTTERFLY VALVE	FS	FIRE SERVICE	S	SURVEY LINE
BK	BACK	GV	GATE VALVE	SDA&E	SAN DIEGO ARIZONA & EASTERN RAILROAD
BTWN	BETWEEN	HDPE	HIGH-DENSITY POLYETHYLENE	SDTI	SAN DIEGO TROLLEY INC.
CATV	CABLE TV	HP	HIGH PRESSURE	SO	STUB OUT
CI	CAST IRON PIPE	IE	INVERT ELEVATION	S/O	SOUTH OF
C	CENTER LINE	LT	LEFT	SWR	SEWER
COND	CONDUIT	LUP	LINEAR UNDERGROUND PROJECT	TEL	TELEPHONE
CONT	CONTINUED	MJ	MECHANICAL JOINT	UNK	UNKNOWN
CONTR	CONTRACTOR	MTS	SAN DIEGO METROPOLITAN	VC	VITRIFIED CLAY PIPE
DB	DIRECT BURIED		TRANSIT SYSTEM	WM	WATER METER
DI	DUCTILE IRON	MTD	MULTIPLE TELEPHONE DUCT	WTR	WATER
EB	ENCASED BURIED	N/O	NORTH OF	W/O	WEST OF
EL, ELEV	ELEVATION				



By: Date: 05/05/2022
Name: KENNETH T. KOZLIK
R.C.E. 71883 exp. 12-31-23

CONSULTANT

SPEC. NO. 1854C



6390 Greenwich Dr., Suite 170, San Diego, California 92122
tel 858.554.1500 • fax 858.597.0335 • www.fuscoee.com



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

SCHMIDTDESIGN.COM



PROJECT #: 1440-005 - DRAWN BY: KW - CHECKED BY: KK

PLT DATE: 05.05.2022

CONTRACTOR
INSPECTOR

PLANS FOR THE CONSTRUCTION OF CLAY AVENUE MINI PARK GRADING PLAN

C-1.0

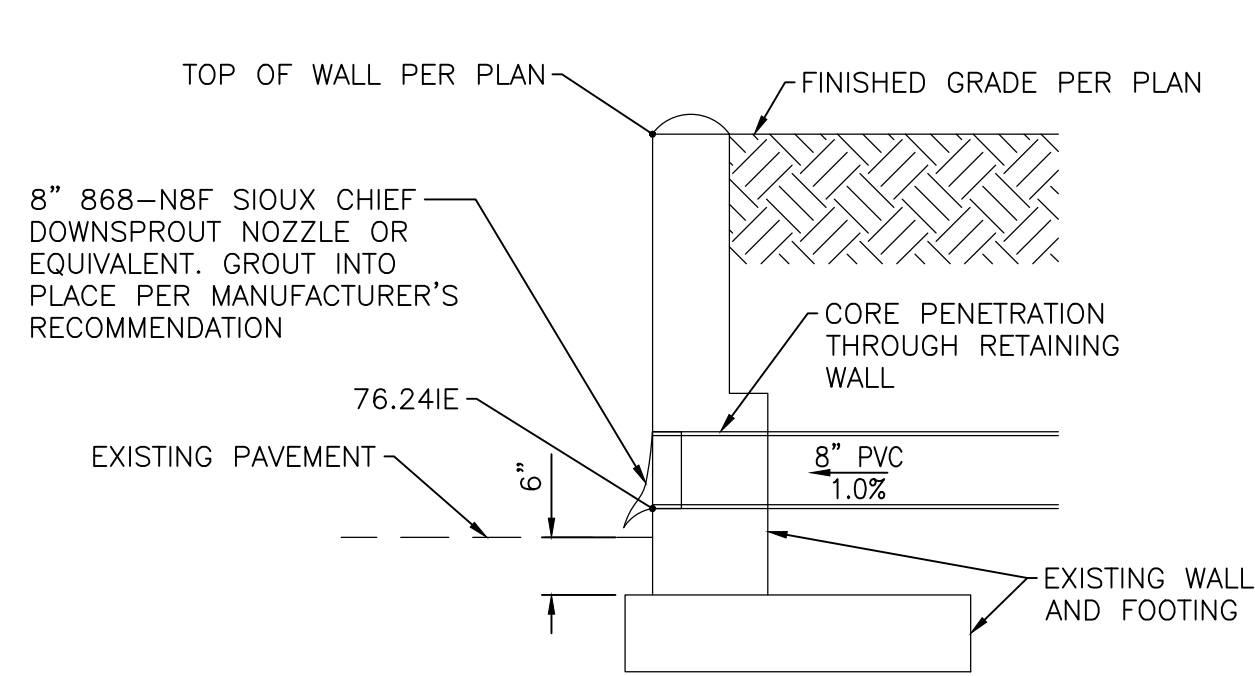
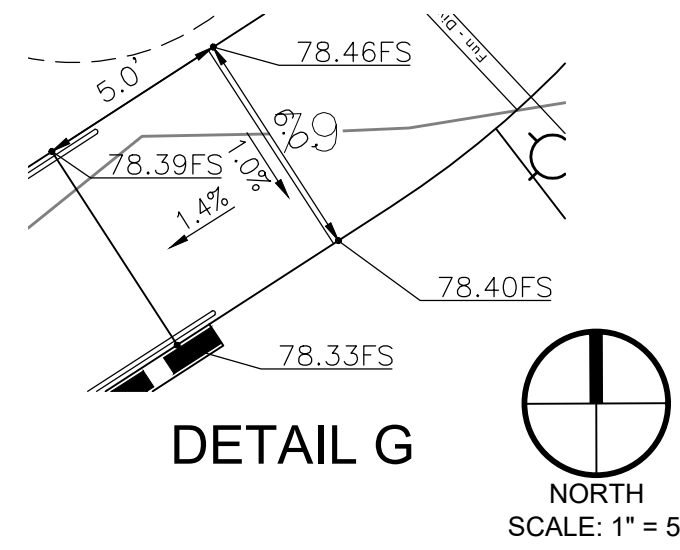
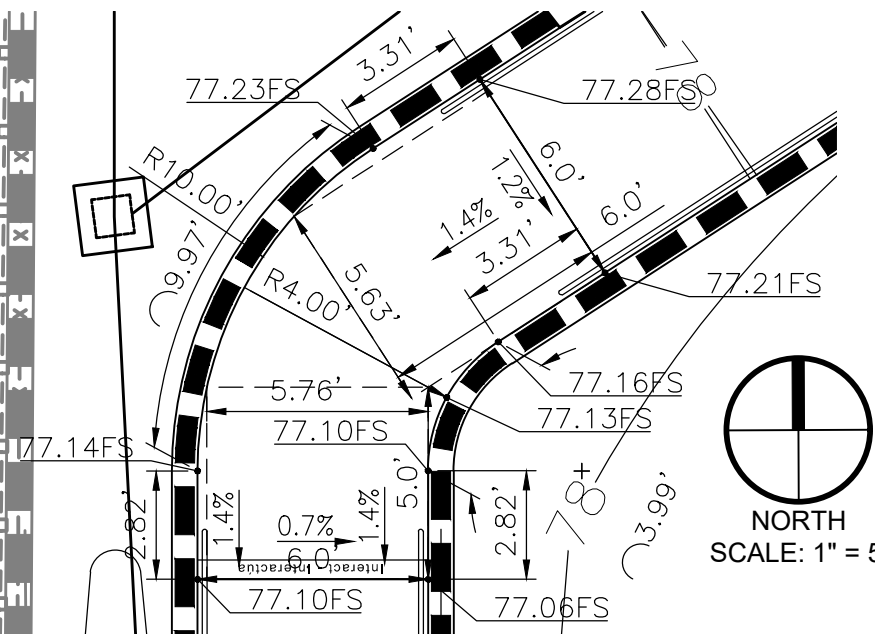
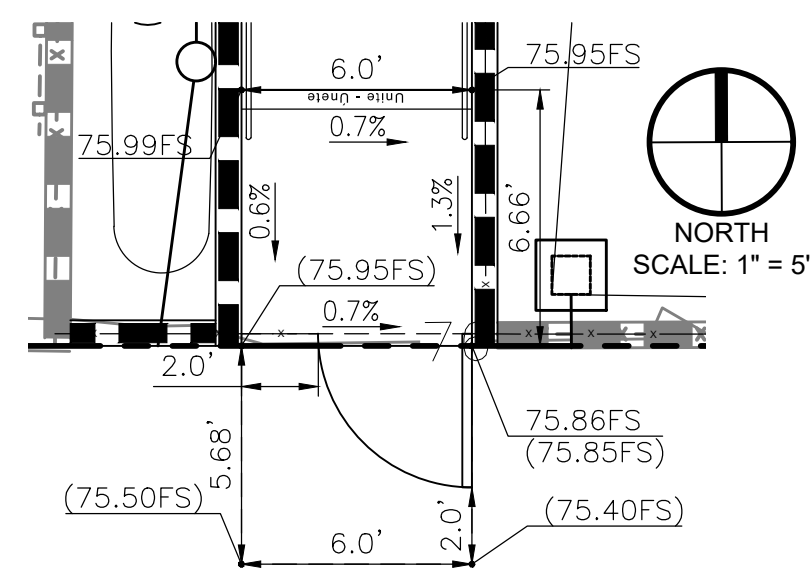
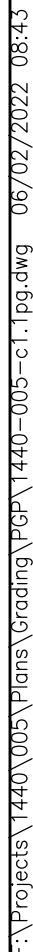
CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING & CAPITAL PROJECTS
SHEET 4 OF 26 SHEETS

WBS: L-16000.5

APPROVED:	06/17/2022	DATE	06/17/2022
FOR CITY ENGINEER	JENNIFER SCOTT	RCE#	C74917
PRINT NAME			
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	FEI		06/17/2022

SUBMITTED BY: LYDIA MARSHALL
PROJECT MANAGER
CHECKED BY: LYDIA MARSHALL
PROJECT ENGINEER
194-1725
CCS27 COORDINATE
1837-6292
CCS83 COORDINATE

40621-04-D



By: Kenneth I. Kozlik Date: 05/05/2022
Name: KENNETH I. KOZLIK
R.C.E. 71883 exp. 12-31-23



6390 Greenwich Dr., Suite 170, San Diego, California 92121
tel 858.554.1500 • fax 858.597.0335 • www.fuscoe.com

PROJECT #: 1440-005 - DRAWN BY: KW - CHECKED BY: KK

0 5 10 20

SCALE : 1" = 10'-0"

NORTH

CONSULTANT

**SCHMIDT
DESIGN
GROUP**

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

SCHMIDTDESIGN.COM

PLT DATE: 05.05.2022

CONSTRUCTION NOTES:

- ① CONCRETE WALKWAY PER SDG-155, 5" THICKNESS, NO REBAR
 - ② BASE BID: MOW CURB PER LC PLANS. MOW CURB TO FOLLOW RESILIENT SURFACING ELEVATION; ADD ALT #1: GARDEN ACCENT WALL PER LC PLANS
 - ③ RETAINING WALL PER SDRSD C-3
 - ④ RAMP WITH GUARDRAIL PER SDM-115, SEE DETAIL 6 ON SHEET LC-2.0
 - ⑤ TYPE B CURB RAMP PER SDG-133, SEE DETAIL A
 - ⑥ ACCESSIBLE PARKING SIGNS PER SDM-117
 - ⑦ ON-STREET ACCESSIBLE PARALLEL PARKING FOR RESTRICTED RIGHT-OF-WAY WIDTH PER SDM-117, SEE DETAIL A
 - ⑧ COPPER WATER LINE PER SDW-107
 - ⑨ DRINKING FOUNTAIN PER SDM-107, SEE LC-2.1 DETAIL 2
 - ⑩ CONNECT TO EXISTING WATER LINE
 - ⑪ ADD STORM DRAIN STENCILING TO EXISTING INLETS PER THE CITY OF SAN DIEGO STORM WATER STANDARDS MANUAL. EXISTING INLET TO REMAIN
 - ⑫ PROVIDE STORM DRAIN CONNECTION TO RESILIENT SURFACING DRAIN. COORDINATE RIM ELEVATION WITH RESILIENT RUBBER SURFACING THICKNESS. SEE LANDSCAPE PLANS DETAIL 3 SHEET LC203
 - ⑬ 12"x12" BROOKS CATCH BASIN OR EQUIVALENT
 - ⑭ CORE PENETRATION FOR PVC STORM DRAIN AND INSTALL 8" 868-N8F SIOUX CHIEF DOWNSPROUT NOZZLE OR EQUIVALENT PER DETAIL B
 - ⑮ STORM DRAIN PER SDD-110
 - ⑯ RESET WATER METER BOX TO NEW FINISH GRADE TO MEET ADA COMPLIANCE (PROTECT WATER METER IN PLACE)
 - ⑰ VEHICULAR CONCRETE, 7" THICKNESS, NO REBAR
 - ⑱ NOT USED
 - ⑲ INSTALL TWO BACKFLOW PREVENTER PER SDW-155 WITH SMOOTH TOUCH STAINLESS STEEL ENCLOSURES (MODEL: FEBC0825YA)
 - ⑳ GRADED EARTH CHANNEL PER SDD-109
 - ㉑ SAW CUT FULL DEPTH OF EXISTING AC PAVING
 - ㉒ AC/AB PAVING PER SDG-113
 - ㉓ CURB PER SDG-150, 3" CURB FACE
 - ㉔ NDS 1290 ATRIUM DRAIN OR EQUIVALENT PER DETAIL C, THIS SHEET
 - ㉕ EXISTING CONCRETE STAMP IMPRESSION TO BE SALVAGED AND REPLACED. SEE SHEET LC100
 - ㉖ EXISTING CONCRETE STAMP TO PROTECT IN PLACE
 - ㉗ 8" MOW CURB PER SDL-103. SEE LC-1.0, CONSTRUCTION NOTE 4
 - ㉘ SEE LANDSCAPE PLANS FOR CONTINUED IRRIGATION LINE
 - ㉙ COVERED 12"x12" CATCH BASIN AT RESILIENT SURFACING PER LC-2.3, DETAIL 3
 - ㉚ 6" CURB PER SDG-150
- SIDEWALK REMOVAL NOTE: REMOVE AND DISPOSE OF ALL EXISTING SIDEWALK WITHIN DAYLIGHT LINE (ASSUMED THICKNESS= 6")

12"x12" NDS 1211
(FLAT) SQUARE GRATE IN
TURF AREAS

FINISH GRADE/
EXISTING GRADE

NDS 1290 ATRIUM GRATE
IN GROUND COVER AND
SHRUB ALLEYS

Notes and Specifications shall
be kept on the site of the square of
work.

authorized by these plans is in progress,
and shall be made available to City officials
upon request. It is unlawful to change,
modify, or alter the approved plans and
specifications without authorization of
the City Engineer or larger.

1. USE A 16" LINE IN MAIN
DRAIN LINE (6" OR LARGER)

IN SIZE. The stamping of
these plans and specifications **SHALL NOT**
be held to permit nor approve the violation
of any City, County, State, or Federal laws,
nor restrictions.

GRATE ADAPTOR

6" DRAIN LINE SEE NOTE NO. 1

TIE INTO MAIN DRAIN LINE
USE 45° ELLS, 90° SWEEP
ELLs OR 45° WYES (GLUE
FITTING TO PIPE)

SEAL

12' SQUARE OR 6" ATRIUM DRAIN

NOT TO SCALE

C

Seal of the City of San Diego, California, Department of Public Works, Engineering Division, No. 11595

C-1.1

PLANS FOR THE CONSTRUCTION OF CLAY AVENUE MINI PARK GRADING PLAN

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING & CAPITAL PROJECTS
SHEET 5 OF 26 SHEETS

WBS L-16000.5

SUBMITTED BY:
LYDIA MARSHALL
PROJECT MANAGER

LYDIA MARSHALL
PROJECT ENGINEER

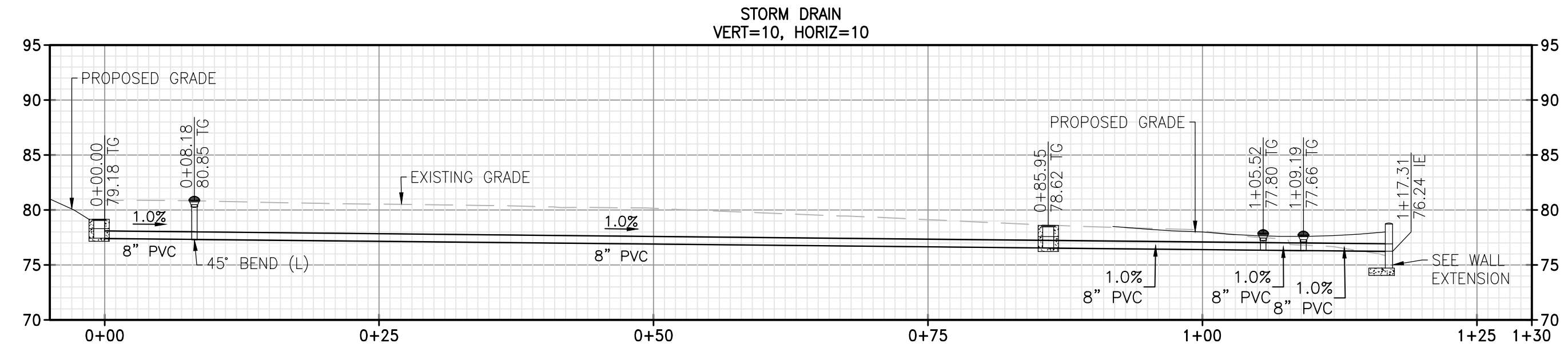
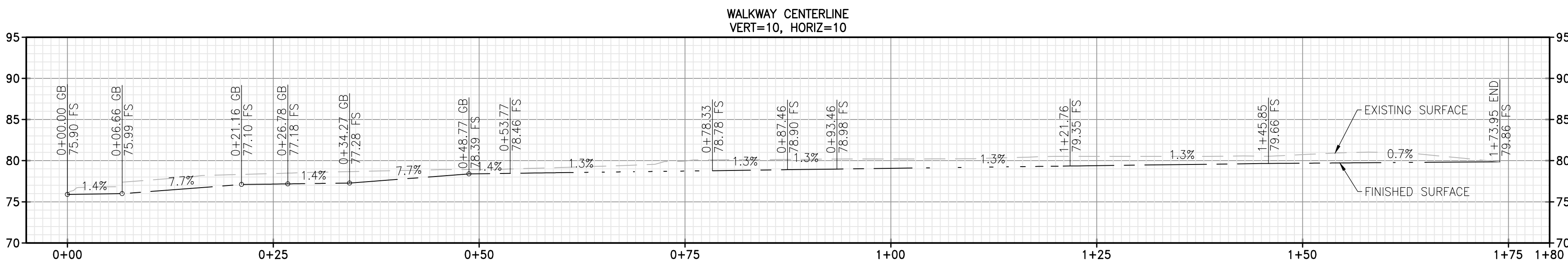
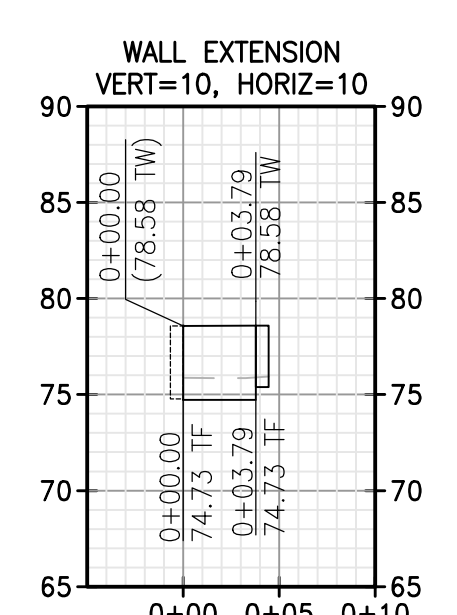
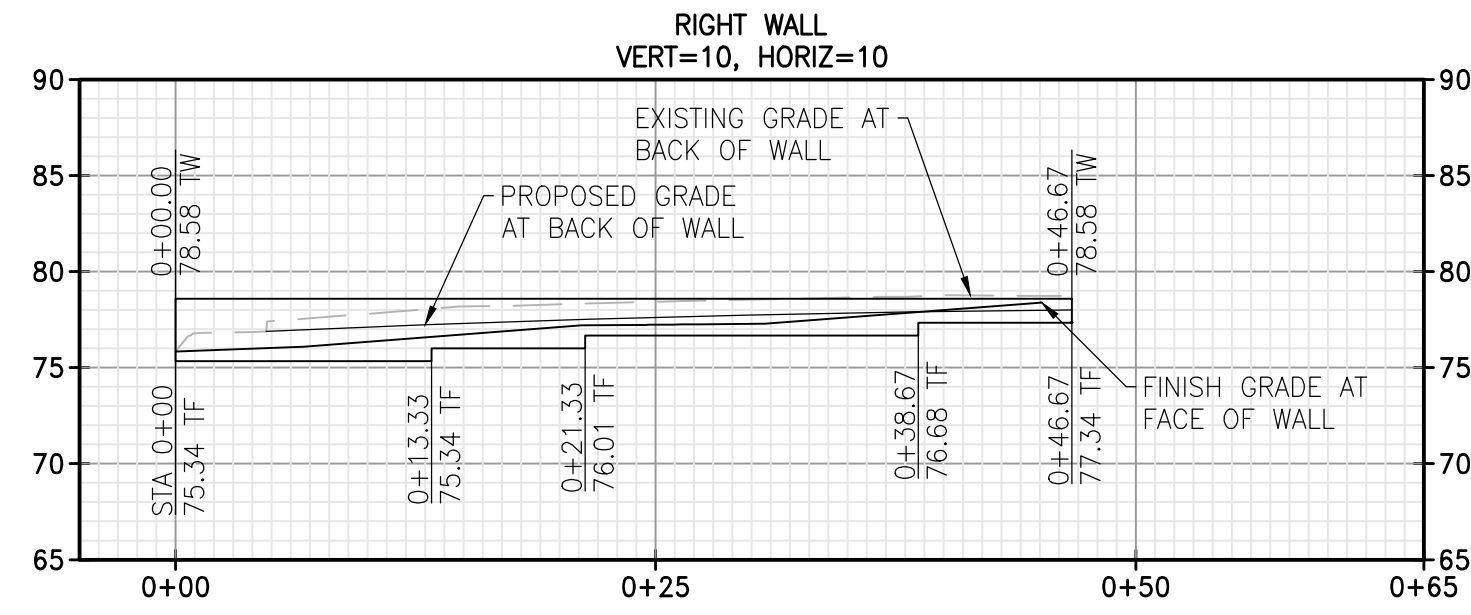
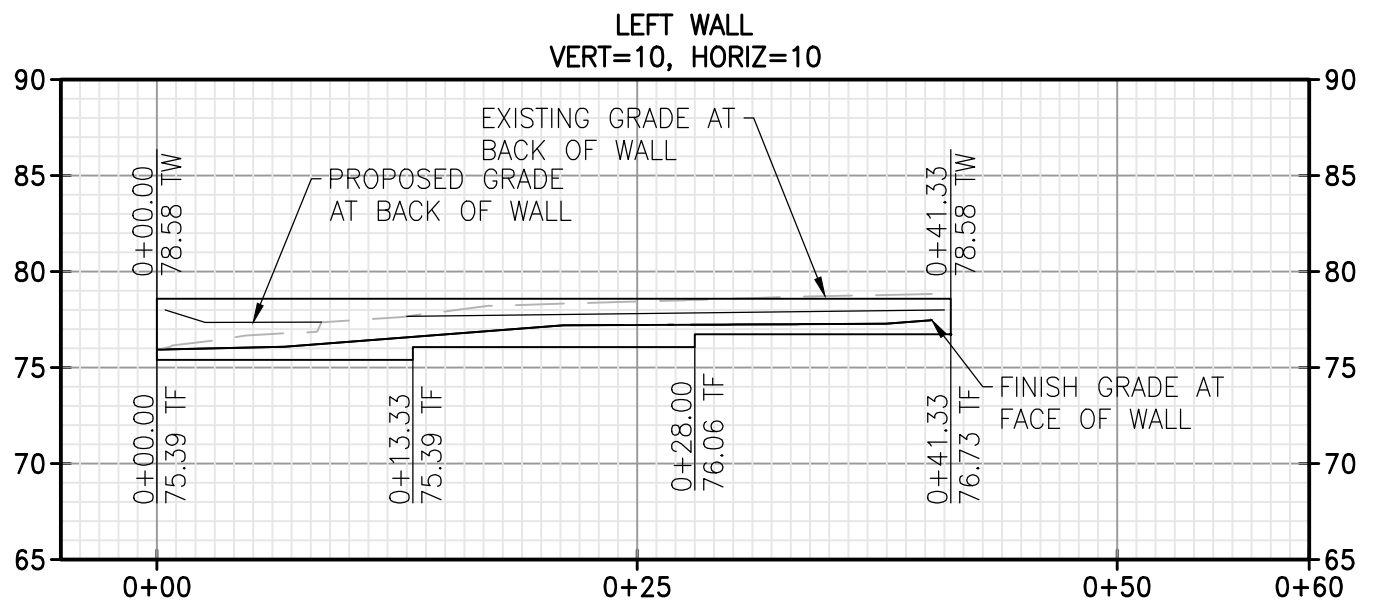
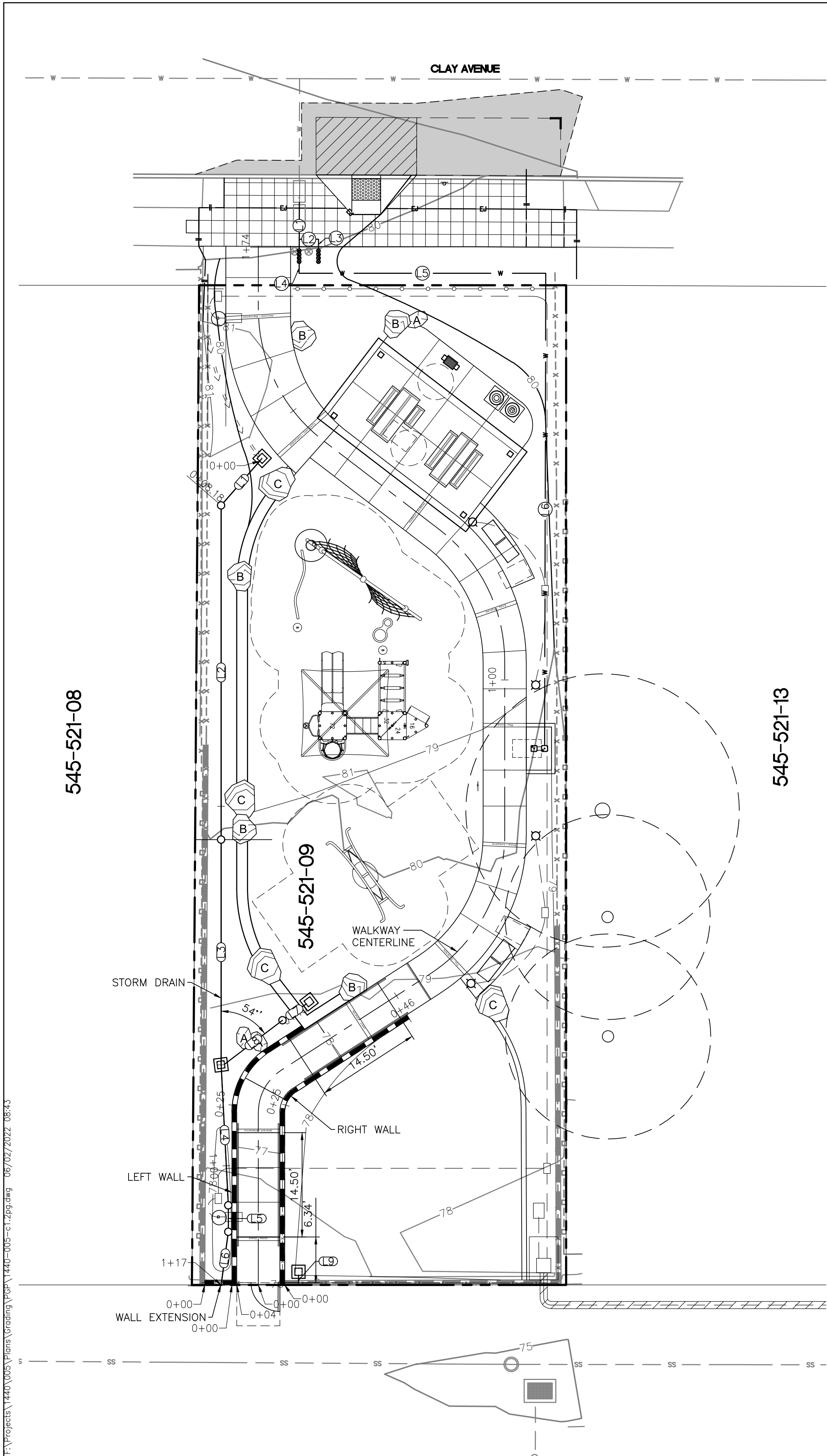
194-1725
CCS27 COORDINATE

1837-6292
CCS83 COORDINATE

40621-05-D

CLAY AVENUE MINI PARK

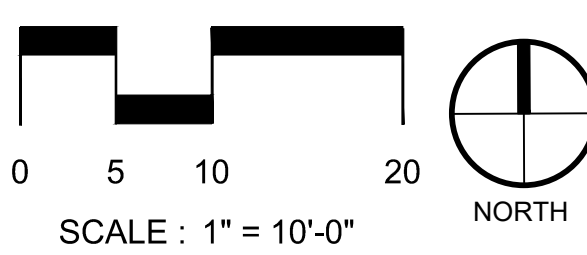
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WATER LINE DATA		
LINE #	SIZE	NOTES
①	1"	COPPER
②	1"	COPPER
③	1"	COPPER
④	1"	PVC
⑤	1"	PVC
⑥	1"	PVC

STORM DRAIN DATA					
LINE #	LENGTH	BEARING/Δ	SIZE	SLOPE	NOTES
①	8.68'	N40°56'14"E	8" PVC	1.0%	SOLID
②	46.46'	N00°00'00"E	8" PVC	1.0%	SOLID
③	31.31'	N00°00'00"E	8" PVC	1.0%	SOLID
④	19.57'	N02°55'44"W	8" PVC	1.0%	SOLID
⑤	3.67'	S00°00'00"E	8" PVC	1.0%	SOLID
⑥	7.46'	S07°42'19"W	8" PVC	1.0%	SOLID
⑦	4.00'	S55°17'36"W	8" PVC	1.0%	SOLID
⑧	10.12'	N52°50'54"E	8" PVC	1.0%	SOLID
⑨	1.39'	N00°09'31"W	8" PVC	1.0%	SOLID

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PLANS FOR THE CONSTRUCTION OF CLAY AVENUE MINI PARK GRADING PLAN

By: *Kenneth T. Kozlik* Date: 05/05/2022
Name: KENNETH T. KOZLIK
R.C.E. 71883 exp. 12-31-23

REGISTERED PROFESSIONAL ENGINEER
KENNETH T. KOZLIK
No. RCE 71883
EXP. 12-31-23
Civil
STATE OF CALIFORNIA

CONSULTANT

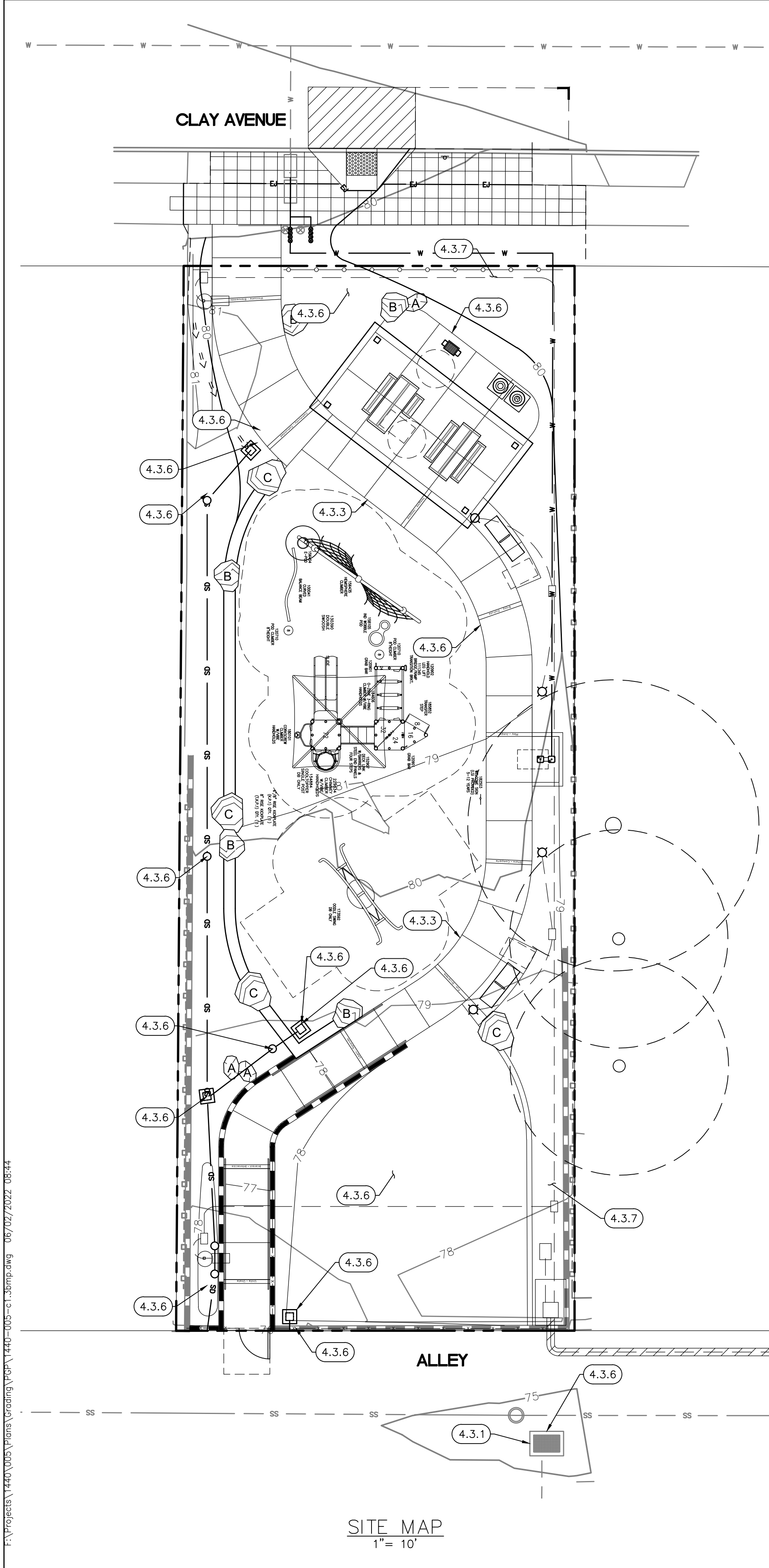
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ENGINEERING
6390 Greenwich Dr., Suite 170, San Diego, California 92122
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SCHMIDT
DESIGN
GROUP
1310 Rosecrans St., Suite G, San Diego, CA 92106
619.236.1462
LIC. CA 2138 | NV 219 | AZ 34139
SCHMIDTDESIGN.COM

PROJECT #: 1440-005 - DRAWN BY: KW - CHECKED BY: KK PLT DATE: 05.05.2022

SPEC. NO. 1854C		CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS SHEET 6 OF 26 SHEETS		WBS: L-16000.5
APPROVED: <i>Jennifer Scott</i> FOR CITY ENGINEER JENNIFER SCOTT PRINT NAME		DATE: 06/17/2022 RCE# C74917		SUBMITTED BY: LYDIA MARSHALL PROJECT MANAGER
DESCRIPTION		BY	APPROVED	DATE
ORIGINAL	FEI	<i>Jennifer Scott</i>		06/17/2022
				194-1725 CCS27 COORDINATE
				1837-6292 CCS83 COORDINATE
CONTRACTOR INSPECTOR		DATE STARTED		40621-06-D
		DATE COMPLETED		

CLAY AVENUE MINI PARK



SOURCE CONTROL BMP CHECKLIST FOR STANDARD PROJECTS (FORM I-4)			
ALL DEVELOPMENT PROJECTS MUST IMPLEMENT SOURCE CONTROL BMP'S SC-1 THROUGH SC-6 AND, REFER TO CHAPTER 4 AND APPENDIX E OF THE BMP DESIGN MANUAL FOR INFORMATION TO IMPLEMENT BMP'S AS SHOWN IN THIS CHECKLIST.			
NOTE: ALL SELECTED BMPs MUST BE SHOWN ON THE CONSTRUCTION PLANS.			
SOURCE CONTROL REQUIREMENT	YES	NO	N/A
4.2.1 PREVENTION OF ILLICIT DISCHARGES INTO THE MS4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.2.2 STORM DRAIN STENCILING OR SIGNAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.2.3 PROTECT OUTDOOR MATERIALS STORAGE AREAS FROM RAINFALL, RUN-ON, RUNOFF, AND WIND DISPERSAL	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.4 PROTECT MATERIALS STORED IN OUTDOOR WORK AREAS FROM RAINFALL, RUN-ON, AND RUNOFF, AND WIND DISPERSAL	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.5 PROTECT TRASH STORAGE AREAS FROM RAINFALL, RUN-ON, RUNOFF, AND WIND DISPERSAL	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.6 BMPs BASED ON POTENTIAL SOURCES OF RUNOFF POLLUTANTS			
ON-SITE STORM DRAIN INLETS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
INTERIOR FLOOR DRAINS AND ELEVATOR SHAFT SUMP PUMPS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
INTERIOR PARKING GARAGES	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
NEED FOR FUTURE INDOOR AND STRUCTURAL PEST CONTROL	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
LANDSCAPE/OUTDOOR PESTICIDE USE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
POOLS, SPAS, PONDS, DECORATIVE FOUNTAINS, AND OTHER WATER FEATURES	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
FOOD SERVICE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
REFUSE AREAS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
INDUSTRIAL PROCESSES	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
OUTDOOR STORAGE OF EQUIPMENT OR MATERIALS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VEHICLE/EQUIPMENT REPAIR AND MAINTENANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
FUEL DISPENSING AREAS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
LOADING DOCKS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
FIRE SPRINKLER TEST WATER	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MISCELLANEOUS DRAIN OR WASH WATER	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLAZAS, SIDEWALKS, AND PARKING LOTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SC-6A: LARGE TRASH GENERATING FACILITIES	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SC-6B: ANIMAL FACILITIES	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SC-6C: PLANT NURSERIES AND GARDEN CENTERS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SC-6D: AUTOMOTIVE-RELATED USES	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DISCUSSION/JUSTIFICATION FOR ALL "NO" ANSWER SHOWN ABOVE:			

SITE DESIGN BMP CHECKLIST FOR STANDARD PROJECTS (FORM I-5)			
ALL DEVELOPMENT PROJECTS MUST IMPLEMENT SOURCE CONTROL BMP'S SC-1 THROUGH SC-6 AND, REFER TO CHAPTER 4 AND APPENDIX E OF THE BMP DESIGN MANUAL FOR INFORMATION TO IMPLEMENT BMP'S AS SHOWN IN THIS CHECKLIST.			
NOTE: ALL SELECTED BMPs MUST BE SHOWN ON THE CONSTRUCTION PLANS.			
SOURCE CONTROL REQUIREMENT	YES	NO	N/A
4.3.1 MAINTAIN NATURAL DRAINAGE PATHWAYS AND HYDROLOGIC FEATURES	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.3.2 CONSERVE NATURAL AREAS, SOILS, AND VEGETATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.3.3 MINIMIZE IMPERVIOUS AREA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.3.4 MINIMIZE SOIL COMPACTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.3.5 IMPERVIOUS AREA DISPERSION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.3.6 RUNOFF COLLECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.3.7 LANDSCAPING WITH NATIVE OR DROUGHT TOLERANT SPECIES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.3.8 HARVESTING AND USING PRECIPITATION	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DISCUSSION/JUSTIFICATION FOR ALL "NO" ANSWER SHOWN ABOVE: 4.3.2: EXISTING VEGETATION CONSISTS OF DAMAGED TURF. REVISED PARK DESIGN REQUIRES REMOVAL AND REPLACEMENT OF TURF AND PLANTING AREAS WITH REGIONALLY APPROPRIATE PLANTING.			

SITE DESIGN AND SOURCE CONTROL BMP OPERATION AND MAINTENANCE PROCEDURE					
O&M RESPONSIBLE PARTY DESIGNEE: CITY OF SAN DIEGO					
BMP DESCRIPTION	INSPECTION FREQUENCY	MAINTENANCE FREQUENCY	MAINTENANCE METHOD	QUANTITY	SHEET NUMBER
SITE DESIGN ELEMENTS					
DESCRIPTION:					
SOURCE CONTROL ELEMENTS	ANNUALLY	AS NEEDED	REPAINT	1	C-1.1
DESCRIPTION: STORM DRAIN STENCILING OR SIGNAGE					

STORM WATER NOTE:

I. THIS PROJECT IS SUBJECT TO MUNICIPAL CODE SECTION 4303 AND ORDER NO. R9-2013-0001 AS AMENDED BY R9-2015-0100

PROPOSED IMPERVIOUS AREA			
	REPLACED	CREATED	TOTAL
IMPERVIOUS AREA	113	1683	1796
ADA WALKWAY	457	21	478
TOTAL	570	1704	2274

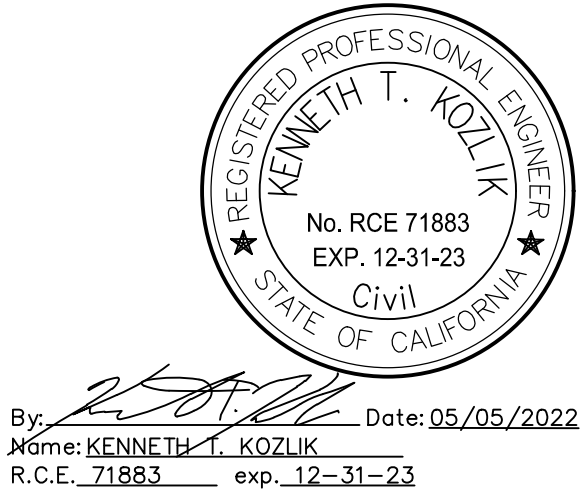
This set of plans and specifications shall be kept on the site of the structure of work at all times during which work authorized by these plans is in progress, and shall be made available to City officials upon request. It is unlawful to change, modify, or alter the approved plans and specifications without authorization of the Building Official. The stamping of these plans and specifications SHALL NOT be held to permit nor approve the violation of any City, County, State, or Federal laws, nor restrictions.



C-1.3

PLANS FOR THE CONSTRUCTION OF
CLAY AVENUE MINI PARK
BMP MAP

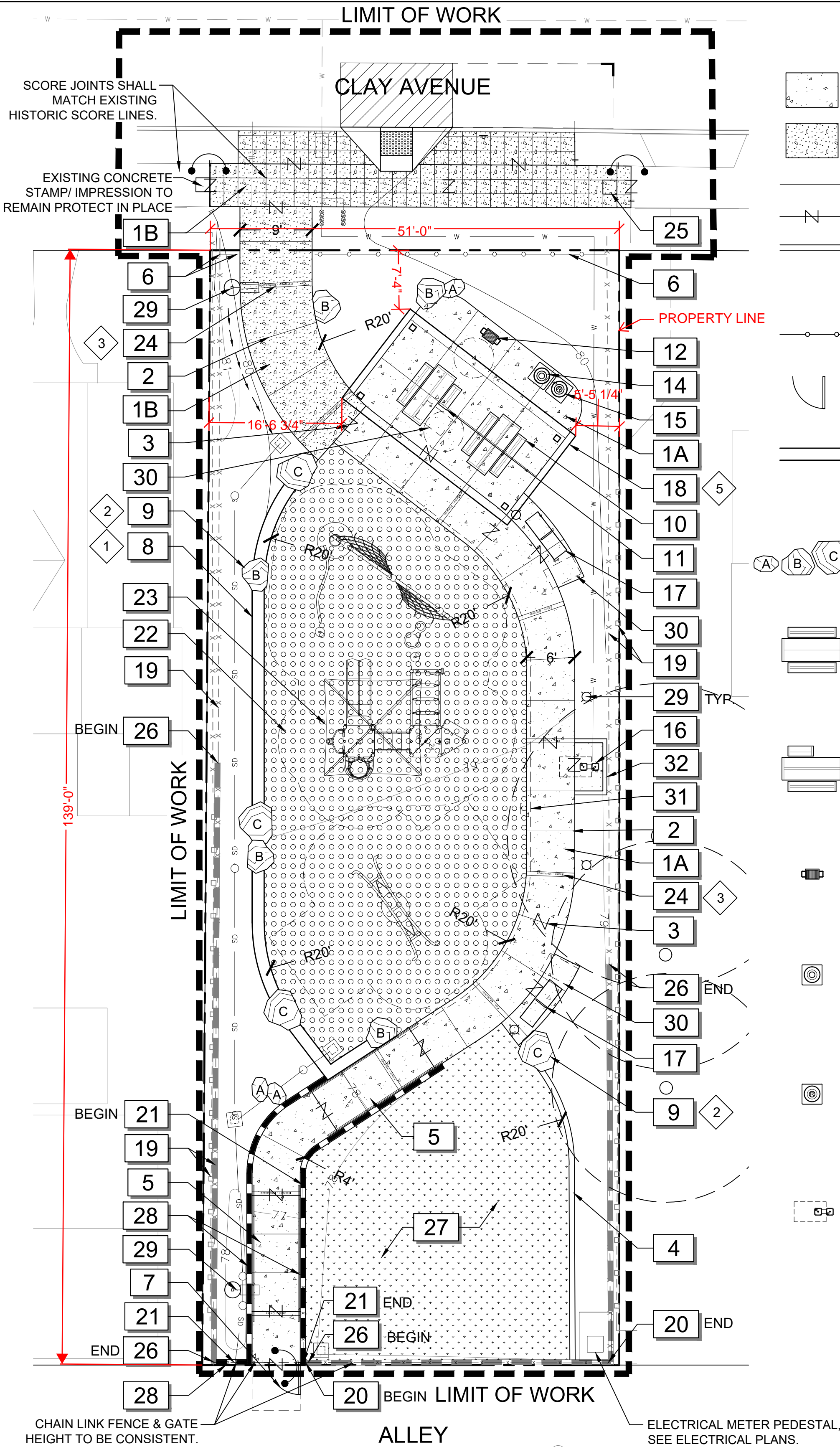
CONSULTANT		SPEC. NO. 1854C	CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS SHEET 7 OF 26 SHEETS		WBS L-16000.5
 1310 Rosecrans St., Suite G, San Diego, CA 92106 tel 858.554.1500 • fax 858.597.0335 • www.fuscoe.com	 6390 Greenwich Dr., Suite 170, San Diego, California 92122 tel 858.554.1500 • fax 858.597.0335 • www.fuscoe.com		APPROVED: FOR CITY ENGINEER JENNIFER SCOTT DATE 06/17/2022 RCE# C74917	SUBMITTED BY: LYDIA MARSHALL PROJECT MANAGER	
			DESCRIPTION	BY	APPROVED
PROJECT #: 1440-005 - DRAWN BY: KW - CHECKED BY: KK		CONTRACTOR INSPECTOR	DATE STARTED	DATE COMPLETED	194-1725 CCS27 COORDINATE 1837-6292 CCS83 COORDINATE



CLAY AVENUE MINI PARK

CONSTRUCTION NOTES:

- UNLESS SPECIFIED OTHERWISE, LANDSCAPE CONSTRUCTION AND LAYOUT WORK INCLUDES, BUT IS NOT LIMITED TO THE LOCATION, PLACEMENT AND DETAILING OF THE PAVING, RESILIENT SURFACING, CONCRETE MASONRY WALLS, CONCRETE ACCENT WALLS, SITE FURNITURE, AND PLAY STRUCTURES.
- SEE ENGINEER'S PLAN FOR PARKING AREA, RETAINING WALLS, SITE DRAINAGE AND GRADING, FINISH GRADING, SITE UTILITY LAYOUT AND CONSTRUCTION.
- DIMENSIONS INDICATED ON PLANS SHALL PREVAIL OVER PLAN SCALE. DIMENSIONS ARE TO FACES OF AND PERPENDICULAR FACE OF BUILDING WALLS UNLESS SHOWN OTHERWISE. ALL ANGLES AND CONNECTIONS ARE (90) DEGREES UNLESS NOTED OTHERWISE.
- ALL COORDINATE POINTS AND DIMENSIONS ARE TAKEN FROM THE BACK OF CURB UNLESS OTHERWISE NOTED.
- EXPANSION JOINTS SHALL BE AS LOCATED ON THE PLANS AND WHERE CONCRETE MEETS EXISTING WALLS, PAVING, OR OTHER HARD SURFACES. EXPANSION JOINTS SHALL BE SEALED TO PREVENT MOISTURE SEEPAGE AFTER CURING. EXPANSION JOINTS ON WALKS TO BE A MAXIMUM OF 30'-0" ON CENTER.
- SCORE JOINTS SHALL BE AS SHOWN ON THE PLANS OR SET ON TYPICAL ON CENTER SPACING.
- CONSTRUCT EXPANSION, WEAKENED-PLANE (CONTRACTION) AND CONSTRUCTION JOINTS IN ACCORDANCE WITH SECTION 303- 5.4 OF (GREENBOOK) STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- 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.
- 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 RESIDENT ENGINEER OF ANY CONFLICTS MAINTAINING DRAINAGE.
- LAYOUT POINTS OF ALL RADIUS SHALL BE CONNECTED BY SMOOTH EVEN LINES TO CREATE THE CURVED CONFIGURATION AS SHOWN ON THE PLANS.
- SEE IRRIGATION PLANS FOR SLEEVE LOCATIONS PRIOR TO CONSTRUCTION.
- SEE ELECTRICAL PLANS FOR CONDUIT AND LIGHT POLE LOCATIONS PRIOR TO CONSTRUCTION.
- GRAFFITI PROTECTION: ALL VERTICAL MASONRY AND CONCRETE SURFACES, AND CONCRETE AMENITIES SUCH AS BUT NOT LIMITED TO TABLES, BENCHES, DRINKING FOUNTAINS, ETC. SHALL BE TREATED WITH A NON-SACRIFICIAL ANTI-GRAFFITI COATING. ANTI-GRAFFITI COATING SHALL BE AS MANUFACTURED BY EVONIK INDUSTRIES OR EQUAL. MATERIALS SHALL BE APPLIED AS SPECIFIED BELOW.
 - PRIMER: AQUA TRETTE WATER REPELLENT
 - FIRST COAT: PROTECTOSIL ANTI-GRAFFITI
 - SECOND COAT: PROTECTOSIL ANTI-GRAFFITI
- NO DEVIATIONS FROM PLANS SHALL OCCUR WITHOUT APPROVAL OF THE RESIDENT ENGINEER.
- ANY PROPOSED WORK THAT IS INCONSISTENT WITH COMMON, SAFE CONSTRUCTION PRACTICES SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER PRIOR TO COMMENCING WITH CONSTRUCTION.
- CONTRACTOR SHALL VISIT SITE AND VERIFY ALL FIELD CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL REVIEW PLANS AND DETAILS TO ASCERTAIN LOCATIONS NECESSARY TO PROVIDE ELECTRICAL CONNECTIONS TO POWER IRRIGATION, LIGHTING, ETC.
- CONTRACTOR SHALL DETERMINE THE LOCATION AND DEPTH OF ALL SITE UTILITIES PRIOR TO CONSTRUCTION. NOTIFY RESIDENT ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
- THE CONTRACTOR SHALL HAVE RESIDENT ENGINEER VERIFY ALL CONSTRUCTION STAKING LOCATIONS PRIOR TO INSTALLATION OF CONCRETE & D.G.PAVING.
- ALL HARDWARE SUCH AS NAILS, BOLTS, FASTENERS ETC. SHALL BE HOT DIPPED GALVANIZED UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROVIDE A 6'X6' MOCK UP OF ALL PAVING MATERIALS, ACCENT WALLS AND RETAINING WALLS FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
- ALL DRINKING FOUNTAINS SHALL BE SELF-CLOSING AND COMPLY WITH NSF 61 AND TO THE APPLICABLE STANDARDS IN TABLE 1401.1 (REF. SECTION 415.1 CPO).
- FABRICATION OF MEMBERS AND ASSEMBLIES DONE IN A FABRICATOR'S SHOP, APPROVED BY INSPECTION SERVICES, NEED NOT HAVE CONTINUOUS OR PERIODIC SPECIAL INSPECTION. AT COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT THE 'CERTIFICATE OF COMPLIANCE' FORM TO INSPECTION SERVICES.
- SPECIAL INSPECTOR SHALL VERIFY THAT FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION CONTROL OF THE WORKMANSHIP AND FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. THE SPECIAL INSPECTOR SHALL REVIEW THE PROCEDURES FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE REQUIREMENTS FOR FABRICATOR'S SCOPE OF WORK.
 - FABRICATOR SHALL SUBMIT AN 'APPLICATION TO PERFORM OFF-SITE FABRICATION' TO THE INSPECTION SERVICES DIVISION FOR APPROVAL PRIOR TO COMMENCEMENT OF FABRICATION.
 - FABRICATOR MUST BE REGISTERED AND APPROVED BY CITY OF SAN DIEGO, DEVELOPMENT SERVICES FOR THE FABRICATION OF MEMBERS AND ASSEMBLIES ON THE PREMISES OF THE FABRICATOR'S SHOP.
 - FABRICATOR SHALL SUBMIT A 'CERTIFICATE OF COMPLIANCE FOR OFF-SITE FABRICATION' TO THE INSPECTION SERVICES DIVISION PRIOR TO ERECTION OF FABRICATED ITEMS AND ASSEMBLIES.
 - ADHESIVES, SEALANTS AND CAULKS. ADHESIVES AND SEALANTS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS OF THE FOLLOWING STANDARDS. (SECTION 5.504.4.1 OF CAL GREEN) ADHESIVES, ADHESIVE BONDING PRIMERS, ADHESIVE PRIMERS, SEALANTS, SEALANT PRIMERS, AND CAULKS SHALL COMPLY WITH LOCAL OR REGIONAL AIR POLLUTION CONTROL OR AIR QUALITY MANAGEMENT DISTRICT RULES WHERE APPLICABLE, OR SCAQMD RULE 1168 VOC LIMITS, AS SHOWN IN TABLES 5.504.4.1 AND 5.504.4.2 OF CALGREEN. (SEC. 5.504.4.1).
 - A LETTER FROM THE CONTRACTOR AND OR THE BUILDING OWNER CERTIFYING WHAT MATERIAL HAS BEEN USED AND ITS COMPLIANCE WITH THE CODE MUST BE SUBMITTED TO THE BUILDING INSPECTOR.
- 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.
 - ARCHITECTURAL PAINTS AND COATINGS SHALL COMPLY WITH TABLE 5.504.4.2 UNLESS MORE STRINGENT LOCAL LIMITS APPLY (SECTION 5.504.3 OF CALGREEN).
 - AEROSOL PAINTS AND COATINGS. AEROSOL PAINTS AND COATINGS SHALL MEET THE PRODUCT-WEIGHTED MIX LIMITS FOR VOC 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).
 - A LETTER FROM THE CONTRACTOR AND OR THE BUILDING OWNER CERTIFYING WHAT PAINT HAS BEEN USED AND ITS COMPLIANCE WITH THE CODE MUST BE SUBMITTED TO THE BUILDING INSPECTOR.



ADDITIVE ALTERNATES:

- PROVIDE 18" TALL GARDEN ACCENT WALL IN PLACE OF CONCRETE CURB, SEE SHEET LC-1.0 & LC-2.0.
- PROVIDE BOULDERS, SEE SHEET LC-1.0 & LC-2.0.
- PROVIDE ETCHED TEXT IN CONCRETE, SEE SHEET LC-1.0 & LC-2.1.
- PROVIDE 14' X 26' STRAIGHT ARBOR SHADE STRUCTURE WITH FOOTINGS, SEE SHEET LC-1.0 & LC-2.4.

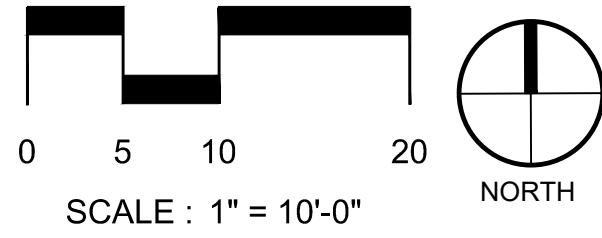


CONSTRUCTION LEGEND:

SYMBOL	DESCRIPTION	DETAIL	SYMBOL	DESCRIPTION	DETAIL
	1A 5" DEPTH NATURAL GRAY PEDESTRIAN CONCRETE PAVING, MEDIUM BROOM FINISH.	SDG-155		17 72" LONG CALIFORNIA CONCRETE BENCH WITH CENTER STEEL ARMREST, MODEL #Q2CAL72B. COLOR: LATTE, CRAFTSMAN ETCH TEXTURE, ANTI-GRAFFITI COATING. AVAILABLE THROUGH QCP CORP OR APPROVED EQUAL. PH: (866) 703-3434.	4/LC-2.2
	1B 7" DEPTH NATURAL GRAY VEHICULAR CONCRETE PAVING, MEDIUM BROOM FINISH.	7/LC-2.0		18 14' X 26' STRAIGHT ARBOR SHADE STRUCTURE. MODEL #AR14X26K AVAILABLE THROUGH ICON SHELTER SYSTEMS INC. REP: UNIQUE RECREATION CONSULTANTS, INC. PH: (951) 541-8380.	1/LC-2.4
	2 SCORE JOINT, TYPICAL.	2/LC-2.0		3 EXPANSION JOINT, TYPICAL.	2/LC-2.0
	4 8" CONCRETE MOW CURB.	SDL-103		5 ACCESSIBLE CONCRETE RAMP WITH GALVANIZED HANDRAILS.	6/LC-2.0
	6 42" TALL TUBULAR STEEL FENCE, COLOR: TO BE SELECTED BY LANDSCAPE ARCHITECT.	3/LC-2.1		19 EXISTING WOOD AND CHAIN LINK FENCE TO REMAIN, PROTECT IN PLACE.	/
	7 4' WIDE CHAINLINK GATE, BLACK VINYL COATED. HEIGHT TO MATCH ADJACENT FENCING. 180 DEGREE SWING.	1/LC-2.1		20 42" TALL BLACK VINYL COATED CHAIN LINK FENCE.	1/LC-2.1
	8 8" DEEP X 8" WIDE PLAY CONCRETE CURB - BASE BID. 18" TALL X 18" WIDE POURED IN PLACE CONCRETE GARDEN ACCENT WALL. GRAY CONCRETE WITH GRAFFITI PROTECTION - ADDITIVE ALTERNATE #1	4/LC-2.3 3/LC-2.0		22 POURED-IN-PLACE PLAYGROUND SURFACING WITH ALIPHATIC BINDER. COLOR MIX: 33% ROYAL BLUE, 33% SKY BLUE, 33% LIGHT GRAY. AVAILABLE THROUGH SURFACE AMERICA, REP: COAST RECREATION INC. OR APPROVED EQUAL. PH: (714) 619-0100.	2-4/LC-2.3
	9 2'-5" BOULDERS, TYPE: DESERT SAND. AVAILABLE THROUGH SOUTHWEST BOULDER & STONE OR APPROVED EQUAL. PH: (619) 331-3120. SIZES: A: 2'X2'X3' MIN. B: 3'X3'X4' MIN. C: 4'X4'X5' MIN.	4,5/LC-2.0		23 PLAYGROUND EQUIPMENT, MODEL #110024-1-1. AVAILABLE THROUGH LANDSCAPE STRUCTURES, REP: COAST RECREATION OR APPROVED EQUAL. PH: (714) 619-0100. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	1/LC-2.3
	10 90" LONG STANDARD PICNIC TABLE, MODEL #QSTD90PT WITH SKATEBOARD INDENTATIONS ON BENCH SEATS. COLOR: LATTE, CRAFTSMAN ETCH TEXTURE, PERMASHIELD 5400 SEALER. AVAILABLE THROUGH QCP CORP OR APPROVED EQUAL. PH: (866) 703-3434.	1/LC-2.2		24 4" TEXT ETCHED IN CONCRETE.	2/LC-2.1
	11 90" LONG STANDARD ADA PICNIC TABLE, MODEL #QSTD90PTADA WITH SKATEBOARD INDENTATIONS ON BENCH SEATS. COLOR: LATTE, CRAFTSMAN ETCH TEXTURE, PERMASHIELD 5400 SEALER. AVAILABLE THROUGH QCP CORP OR APPROVED EQUAL. PH: (866) 703-3434.	2-LC-2.2		25 EXISTING STAMP/ IMPRESSION TO BE SAWCUT AND SALVAGED. REINSTALL SALVAGED STAMP WITHIN NEW CONCRETE POUR. RELOCATE AS CLOSE AS POSSIBLE TO ORIGINAL LOCATION.	SDG-115
	12 ONE-PIECE ADJUSTABLE BARBEQUE SINGLE GRILL. MODEL #580-0098. AVAILABLE THROUGH BCI BURKE COMPANY OR APPROVED EQUAL. PH: (800) 356-2070.	3/LC-2.2		26 PAINT EXISTING RETAINING WALLS/ CURBS COLOR: OXFORD BROWN, FR 140 EVSH10-2 EVERSHIELD EXT FLAT. AVAILABLE THROUGH DUNN EDWARDS OR APPROVED EQUAL.	/
	13 CALIFORNIA WASTE RECEPTACLE, MODEL #QSCAL2553SDW WITH LOCKABLE PAD HANDLE. COLOR: LATTE, CRAFTSMAN ETCH TEXTURE, PERMASHIELD 5400 SEALER. AVAILABLE THROUGH QCP CORP OR APPROVED EQUAL. PH: (866) 703-3434.	5/LC-2.2		14 CALIFORNIA RECYCLE RECEPTACLE, MODEL #QSCAL2553SDW WITH LOCKABLE PAD HANDLE AND RECYCLE LOGO INSET. COLOR: LATTE, CRAFTSMAN ETCH TEXTURE, PERMASHIELD 5400 SEALER. AVAILABLE THROUGH QCP CORP OR APPROVED EQUAL. PH: (866) 703-3434.	5/LC-2.2
	15 HI-LOW BARRIER-FREE MODULAR PEDESTAL DRINKING FOUNTAIN, MODEL #3500. COLOR: SILVER. AVAILABLE THROUGH HAWS OR APPROVED EQUAL. PH: (888) 640-4297.	5/LC-2.1		27 LIGHT FIXTURE PER ELECTRICAL PLANS	2/LC-2.3
	16 NOT USED			28 THICKENED EDGE AT PLAYGROUND.	2/LC-2.3

TOTAL APPROXIMATE AREAS:

5" DEPTH CONCRETE: 1,675 SF
7" DEPTH CONCRETE: 410 SF
ACCENT WALL (TOP OF WALL): 135 SF
PLAYGROUND SURFACE: 2,000 SF
SYNTHETIC TURF: 1,120 SF



CONSULTANT



**SCHMITT
DESIGN
GROUP**

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




PROJECT #: 17-406 - DRAWN BY: JF - CHECKED BY: JJ PLT DATE: 05.05.2021

CONTRACTOR
INSPECTOR

DATE STARTED
DATE COMPLETED

PLANS FOR THE CONSTRUCTION OF
CLAY AVENUE MINI PARK
CONSTRUCTION PLAN

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING & CAPITAL PROJECTS
SHEET 08 OF 26 SHEETS

APPROVED: 

06/17/2022

FOR CITY ENGINEER


DATE

JENNIFER SCOTT

C74917

PRINT NAME

REF#

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	SDG		06/17/2022	

WBS _L-16000.5

194-1725

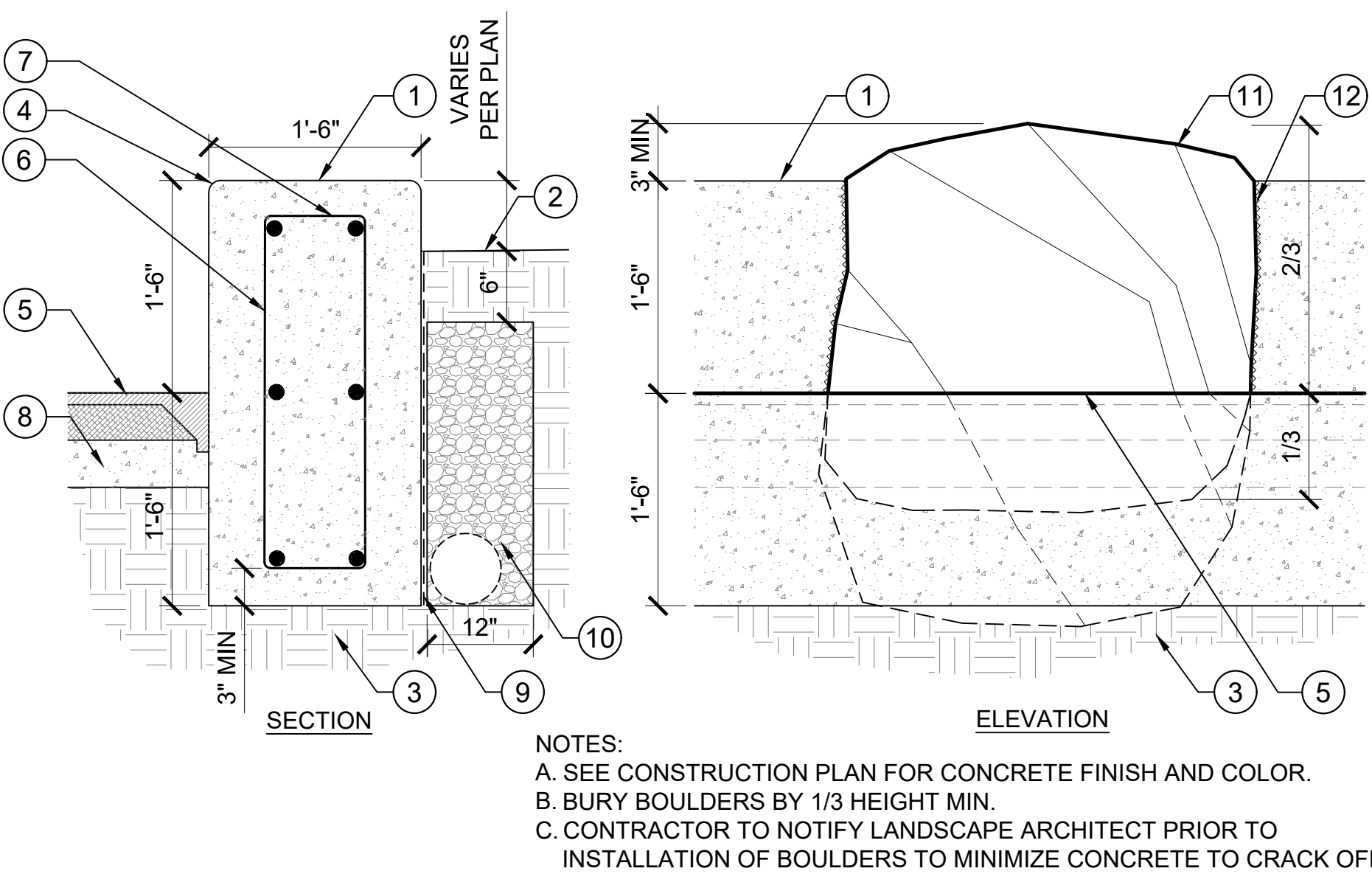
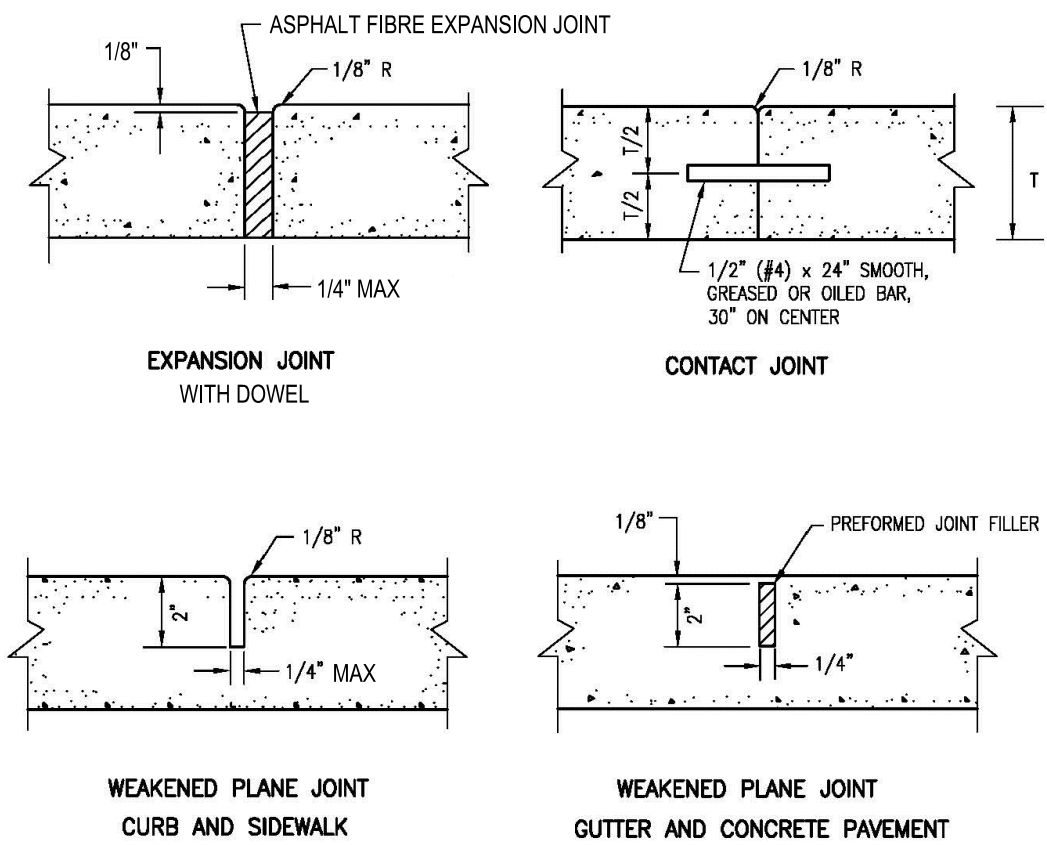
CCS27 COORDINATE

1837-6292

CCS83 COORDINATE

40621-08-D

CLAY AVENUE MINI PARK

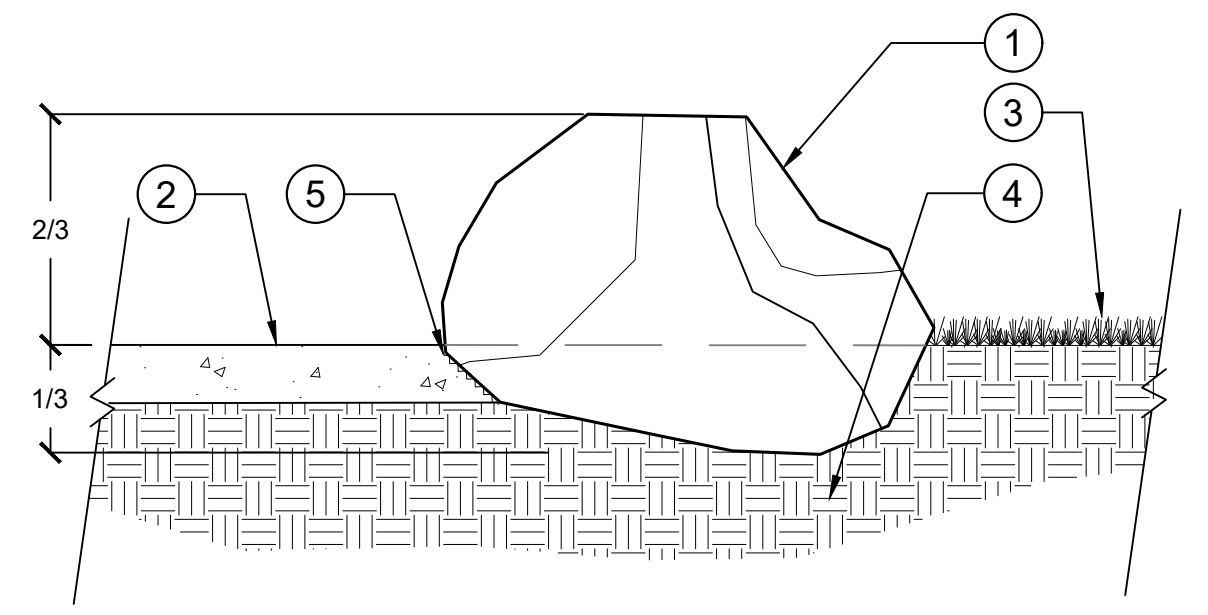


- LEGEND:
- 1 CONCRETE ACCENT WALL WITH ANTI-GRAFFITI COAT PER PLANS
 - 2 ADJACENT PLANTING AREA. SEE PLANTING PLANS
 - 3 90% COMPACTED SUBGRADE TO MIN. 12" DEPTH
 - 4 1" RADIUS ON ALL OUTSIDE EDGES
 - 5 RESILIENT SURFACING PER PLANS, SEE DETAIL 2/LC-2.3.
 - 6 #4 REBAR, VERTICAL 18" O.C.
 - 7 #4 REBAR - HORIZONTAL, 18" O.C.
 - 8 520-C-2500 CONCRETE BASE
 - 9 WATERPROOFING: TWO LAYERS OF HENRY'S STANDARD ASPHALT EMULSION 107 WITH A LAYER OF FIBERGLASS BETWEEN.
 - 10 1" X #4 GRAVEL BLANKET, 12" THICK. SURROUND WITH FILTER FABRIC. TO BE WITHIN 6" OF FINISH GRADE. WITH 8" DIA. PERFORATED DRAIN PIPE WITH FILTER SOCK. SLOPE 1/4" PER FOOT TO DRAIN BEYOND WALL.
 - 11 BOULDER PER PLAN (SEE PLAN FOR SIZES)
 - 12 FELT BETWEEN BOULDER AND CONCRETE

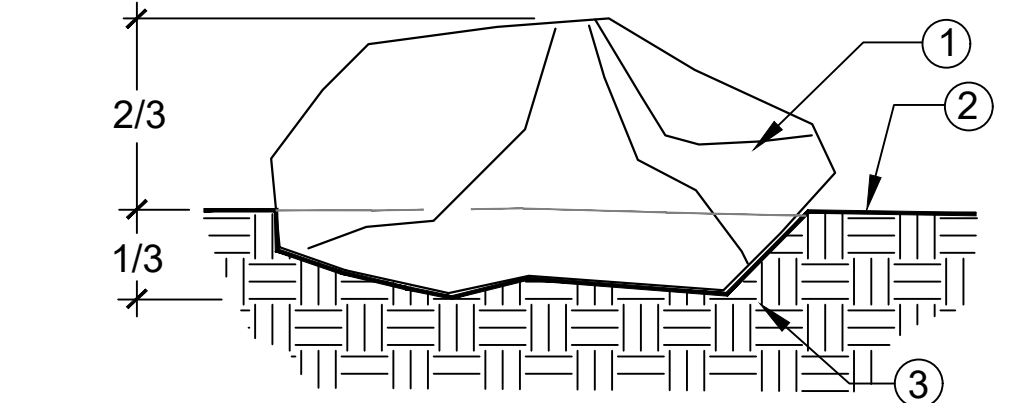
1 NOT USED

2 CONCRETE JOINT DETAILS

3 CONCRETE ACCENT WALL 1



- LEGEND:
- 1 BOULDER, SEE PLAN FOR SIZE & TYPE
 - 2 CONCRETE PAVEMENT OR CURB WALKWAY (PER PLAN), SEE SDG-155.
 - 3 PLANTING AREA
 - 4 90% COMPACTED SUBGRADE TO MIN. 12" DEPTH.
 - 5 FELT BETWEEN BOULDER AND CONCRETE
- 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. EXTEND MOW CURB OR CONCRETE PAVEMENT TO FACE OF ALL BOULDERS.



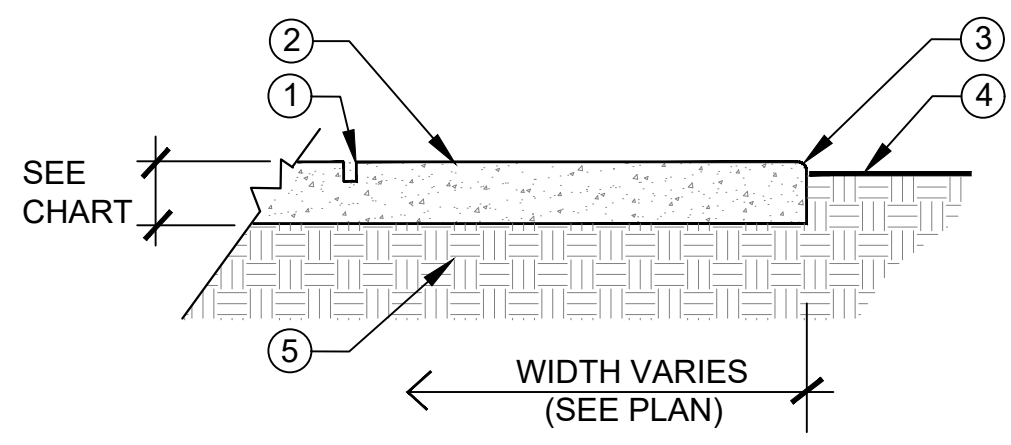
- LEGEND:
- 1 BOULDER (SEE PLAN FOR TYPE AND SIZE)
 - 2 FINISHED GRADE
 - 3 90% COMPACTED SUBGRADE TO MIN. 12" DEPTH.
- NOTES:
- A. BOULDERS SHALL BE INSTALLED SO THAT NO ROCKING WILL OCCUR. ANY ROUGH OR JAGGED EDGES SHALL BE GROUND SMOOTH.
 - B. BURY BOULDERS BY 1/3 HEIGHT

4 LANDSCAPE BOULDER SET IN CONCRETE 2

5 LANDSCAPE BOULDER 2

6 CONCRETE RAMP

- LEGEND:
- 1 SCORE LINES AND EXPANSION JOINTS PER CONSTRUCTION PLANS.
 - 2 CONCRETE PAVING 520-C-2500.
 - 3 1/2 RAD. ON ALL OUTSIDE EDGES.
 - 4 FINISH GRADE 1" BELOW EDGE OF PAVING IN TURF AREAS TO HAVE SOD, 2" IN SHRUB BEDS.
 - 5 90% COMPACTED SUBGRADE TO MIN. 12" DEPTH

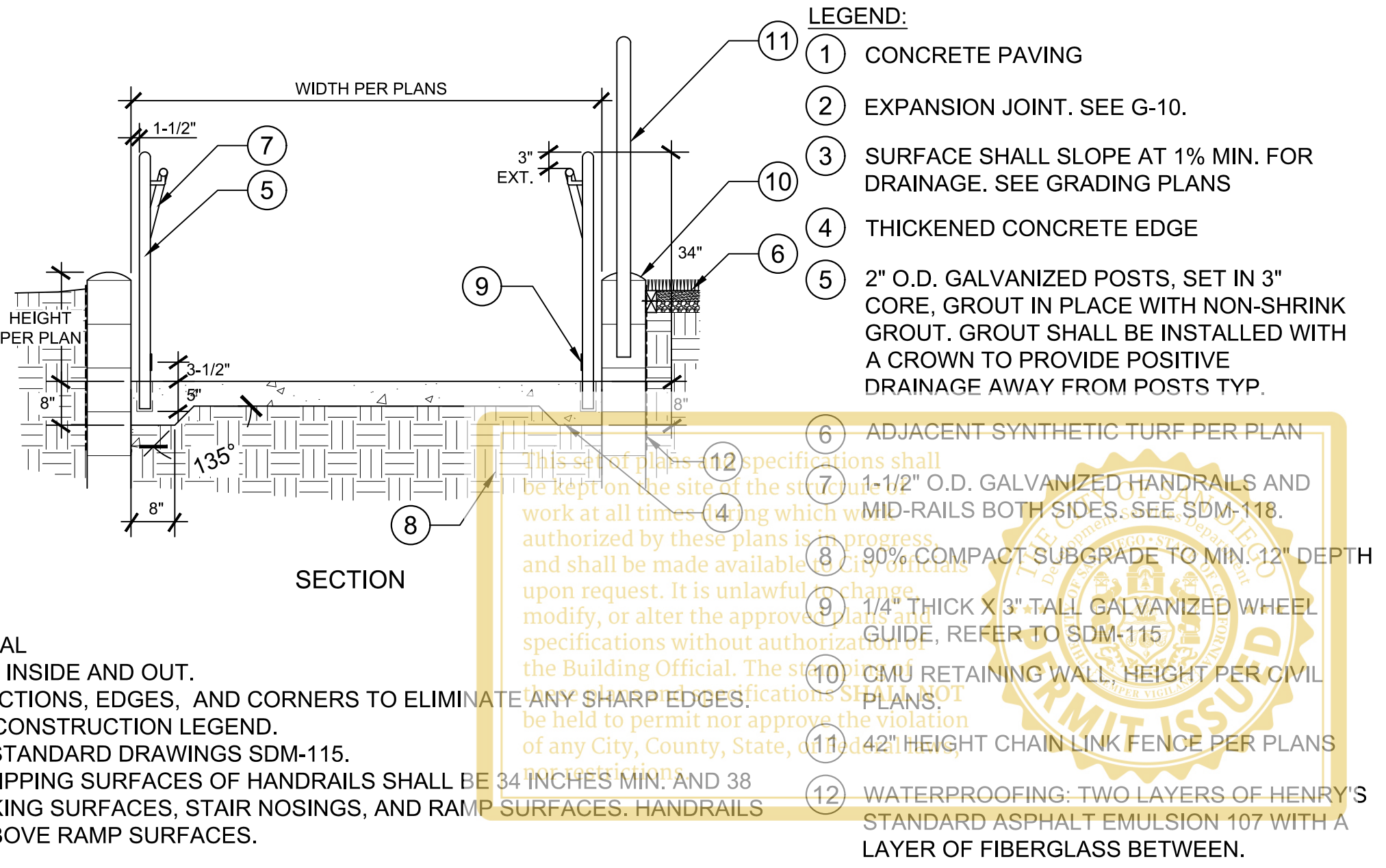


CONCRETE PAVING CHART			
TYPE	THICKNESS	STRENGTH	REBAR
PEDESTRIAN CONCRETE	5" MIN.	2500 PSI	-
VEHICULAR CONCRETE	7" MIN.	4000 PSI	-

- NOTES:
- A. AT A MINIMUM PROVIDE THE FOLLOWING: CONSTRUCTION JOINTS: 8" O.C. EXPANSION JOINTS: 30" O.C.
 - B. CONCRETE COLOR AND FINISH PER PLAN.

7 VEHICULAR CONCRETE PAVING

- NOTES:
- A. SUBMIT SHOP DRAWINGS FOR APPROVAL
 - B. ALL POSTS & RAILS TO BE GALVANIZED INSIDE AND OUT.
 - C. WELD AND GRIND SMOOTH ALL CONNECTIONS, EDGES, AND CORNERS TO ELIMINATE ANY SHARP EDGES.
 - D. EXTERIOR ENAMEL PAINT COLOR PER CONSTRUCTION LEGEND.
 - E. ALSO REFER TO CITY OF SAN DIEGO - STANDARD DRAWINGS SDM-115.
 - F. PER CBC 11B-505.4 HEIGHT. TOP OF GRIPPING SURFACES OF HANDRAILS SHALL BE 34 INCHES MIN. AND 38 INCHES MAX. VERTICALLY ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES. HANDRAILS SHALL BE AT A CONSISTENT HEIGHT ABOVE RAMP SURFACES.



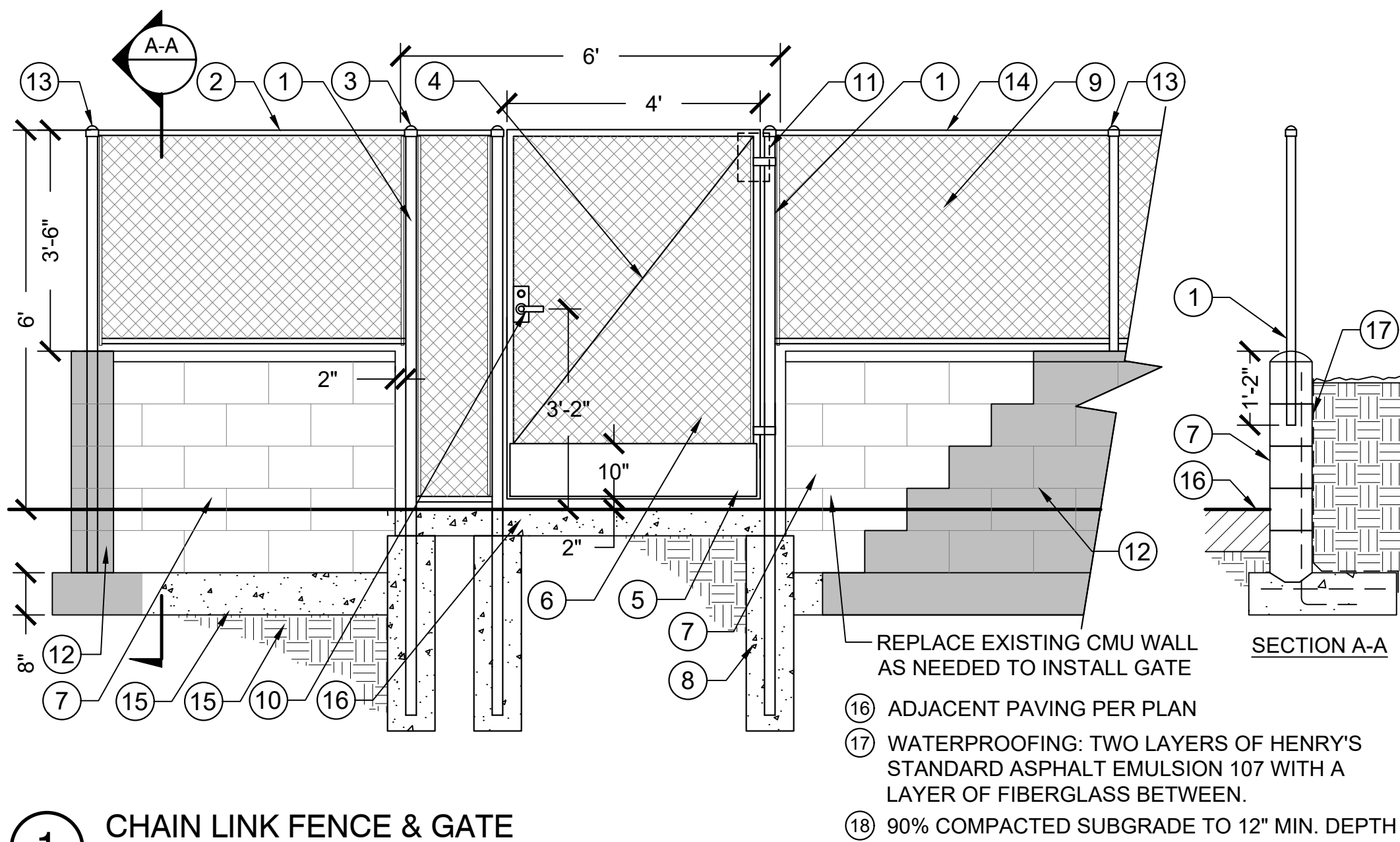
- LEGEND:
- 1 CONCRETE PAVING
 - 2 EXPANSION JOINT. SEE G-10.
 - 3 SURFACE SHALL SLOPE AT 1% MIN. FOR DRAINAGE. SEE GRADING PLANS
 - 4 THICKENED CONCRETE EDGE
 - 5 2" O.D. GALVANIZED POSTS, SET IN 3" CORE, GROUT IN PLACE WITH NON-SHRINK GROUT. GROUT SHALL BE INSTALLED WITH A CROWN TO PROVIDE POSITIVE DRAINAGE AWAY FROM POSTS TYP.
 - 6 ADJACENT SYNTHETIC TURF PER PLAN
 - 7 1-1/2" O.D. GALVANIZED HANDRAILS AND 1-1/2" O.D. GALVANIZED POSTS, SET IN 3" CORE, GROUT IN PLACE WITH NON-SHRINK GROUT. GROUT SHALL BE INSTALLED WITH A CROWN TO PROVIDE POSITIVE DRAINAGE AWAY FROM POSTS TYP.
 - 8 90% COMPACT SUBGRADE TO MIN. 12" DEPTH
 - 9 1-1/2" THICK X 3" TALL GALVANIZED WHEEL STOP
 - 10 CMU RETAINING WALL, HEIGHT PER CIVIL PLANS
 - 11 42" HEIGHT CHAIN LINK FENCE PER PLANS
 - 12 WATERPROOFING: TWO LAYERS OF HENRY'S STANDARD ASPHALT EMULSION 107 WITH A LAYER OF FIBERGLASS BETWEEN.

LC-2.0

PLANS FOR THE CONSTRUCTION OF CLAY AVENUE MINI PARK CONSTRUCTION DETAILS

CONSULTANT		CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS SHEET 09 OF 26 SHEETS		WBS L-16000.5
 1310 Rosecrans St., Suite G, San Diego, CA 92106 619.236.1462 LIC. CA 2138 NV 219 AZ 34139 SCHMIDTDESIGN.COM		 APPROVED: FOR CITY ENGINEER JENNIFER SCOTT DATE 06/17/2022 DATE 07/17/2022 RCE		SUBMITTED BY: LYDIA MARSHALL PROJECT MANAGER CHECKED BY: LYDIA MARSHALL PROJECT ENGINEER
PROJECT #: 17-406 - DRAWN BY: JF - CHECKED BY: JJ		DATE STARTED: 06/17/2022 DATE COMPLETED: 06/17/2022		194-1725 CCS27 COORDINATE 1837-6292 CCS83 COORDINATE
PLT DATE: 05.05.2021		CONTRACTOR INSPECTOR		40621-09-D

CLAY AVENUE MINI PARK



1 CHAIN LINK FENCE & GATE
6" = 1'-0"

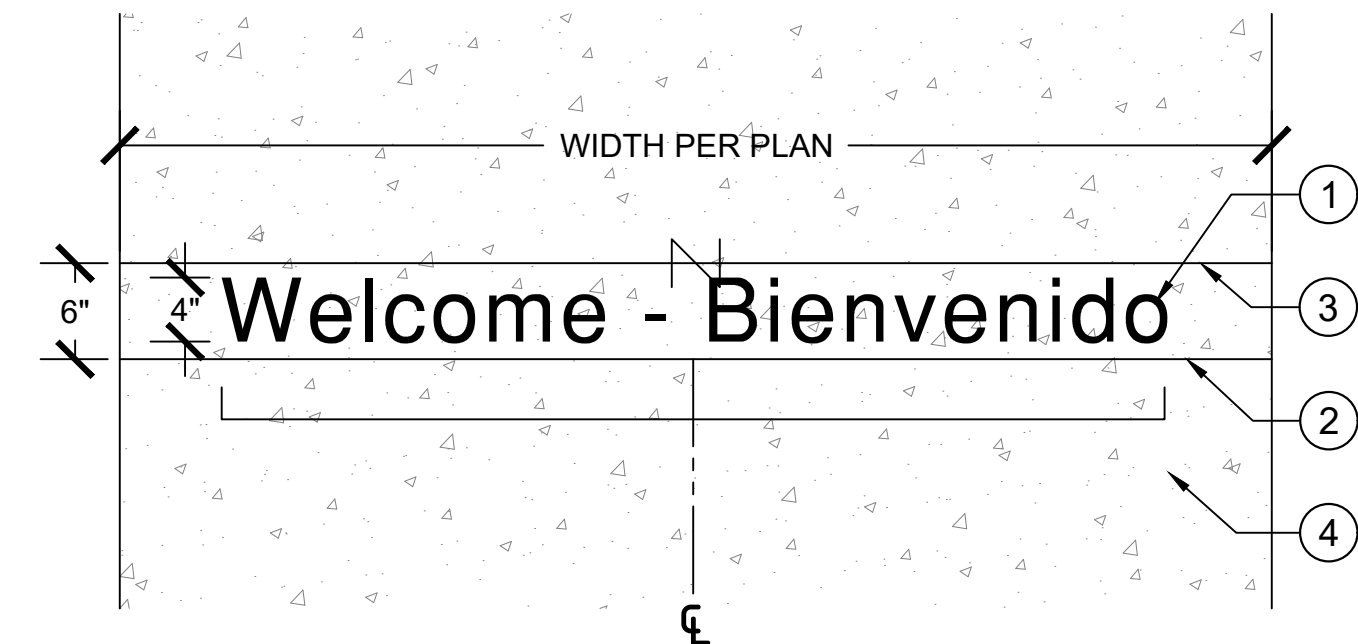
- LEGEND:
- END POST (SEE CHART FOR SIZES)
 - RAIL (SEE CHART FOR SIZES)
 - PRESSED STEEL CAP - POST SIZE
 - 3/8" CIRCULAR TRUSS ROD WITH TRUSS TIGHTENER, SEE SDM-114.
 - KICK-PLATE; GALVANIZED STEEL, PRIMED AND PAINTED PER CONSTRUCTION LEGEND. INSTALL ON BOTH SIDES OF GATE.
 - CHAIN LINK GATE, SEE SDM-114
 - CMU WALL TO MATCH HEIGHT OF ADJACENT CMU WALL. SEE CIVIL PLANS/ REFERENCE SDRSD C-3.
 - CONCRETE FOOTING (SEE FOOTING CHART FOR SIZES)
 - 2" 9 GAUGE WIRE MESH FENCING. ALL MESH SHALL BE BLACK VINYL COATED
 - ADA COMPLIANT LEVER BOTH SIDES OF GATE WITH DEAD-BOLT LOCK ON BOTH SIDES. COMMUNICATING (G-F14) 40H SERIES DEAD-BOLT AVAILABLE THROUGH BEST, DORMAKABA OR APPROVED EQUAL. PH: 855-365-2407.
 - COMMERCIAL GRADE HYDRAULIC GATE CLOSER
 - EXISTING CMU WALL & FOOTING
 - EXISTING POST TO REMAIN, PAINT BLACK
 - EXISTING RAILS TO REMAIN, PAINT BLACK
 - CONCRETE FOOTING
- REPLACE EXISTING CMU WALL AS NEEDED TO INSTALL GATE
- ADJACENT PAVING PER PLAN
- WATERPROOFING: TWO LAYERS OF HENRY'S STANDARD ASPHALT EMULSION 107 WITH A LAYER OF FIBERGLASS BETWEEN.
- 90% COMPACTED SUBGRADE TO 12" MIN. DEPTH

FENCING NOTES:

- GATE FRAMES SHALL BE 1-5/8" SS40 GALVANIZED WITH STANDARD HEAVY DUTY HINGES AND LATCH. (SDSRD M-5)
- GATES SHALL HAVE STOP PLATES AND WELDED LATCHING (GALV.).
- ALL CHAIN LINK FENCE FABRIC SHALL BE NINE (9) GAUGE ALUMINIZED STEEL CORE FABRIC WITH VINYL COATING PER SDRSD SDM-112
- ALL CHAIN LINK FABRIC SHALL BE MOUNTED ON THE SIDE OF THE POSTS TOWARD THE PLAYING FIELD.
- ALL HARDWARE, TENSION WIRE, TIE WIRE, TRUSS RODS AND GATES SHALL BE HOT DIPPED GALVANIZED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING ALL HARDWARE REQUIRED FOR FENCING AND GATES.
- CONTRACTOR TO PROVIDE SHOP DRAWINGS AND SUBMITTALS OF GATE AND ALL HARDWARE FOR APPROVAL PRIOR TO INSTALLATION.
- ALL FENCE POSTS, BRACES AND RAILS SHALL CONSIST OF NEW GALVANIZED PIPE MANUFACTURED IN ACCORDANCE WITH A.S.T.M. DESIGNATION A-120 AND SHALL BE OF THE FOLLOWING SIZES AND WEIGHTS:
 - 42" AND 6" HIGH CHAIN LINK FENCE:

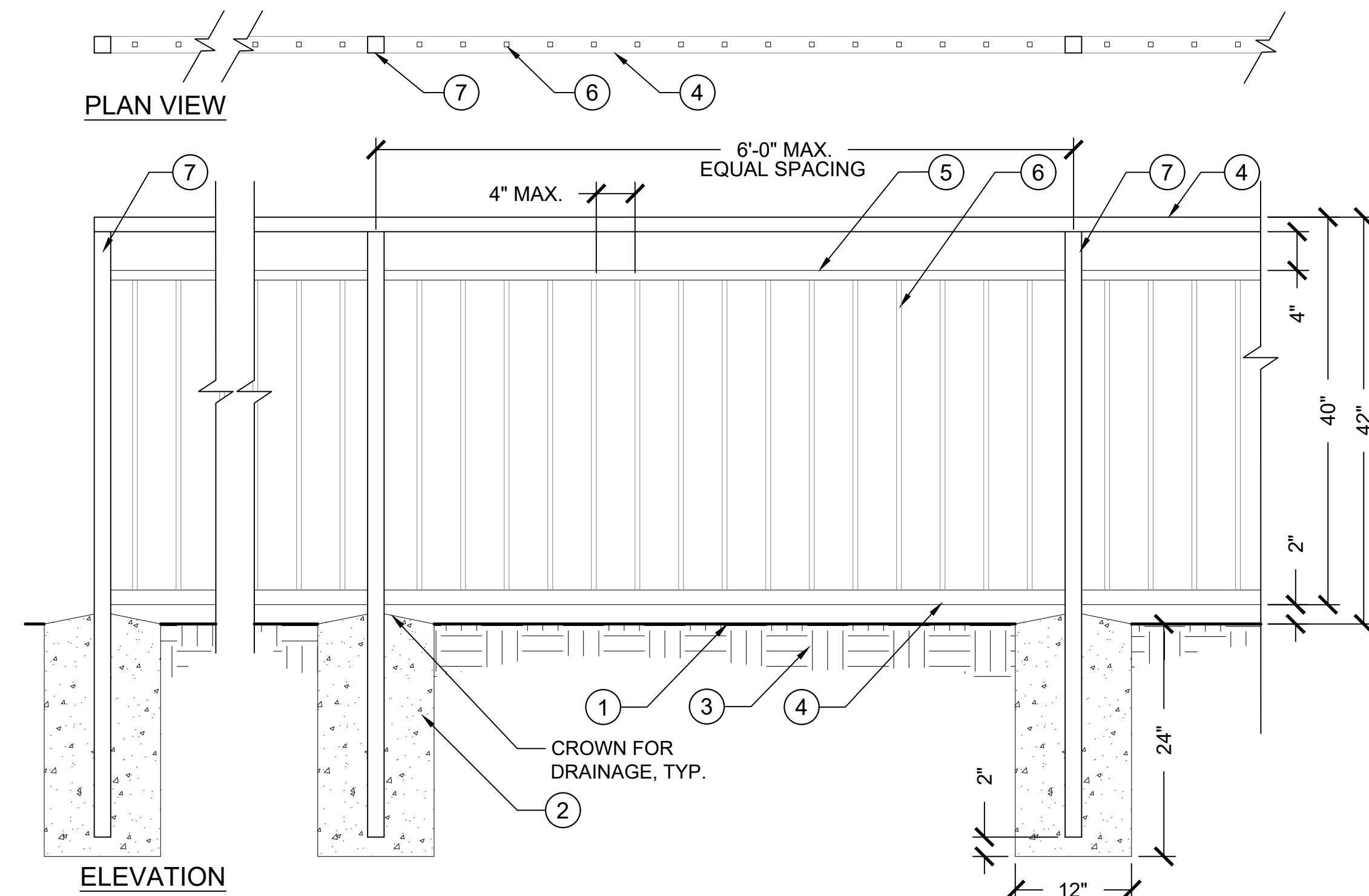
POST LOCATION	42"	6"	NOMINAL DIAMETER IN INCHES
END AND CORNER	2.5"	3"	STANDARD
LINE POSTS	2"	2"	STANDARD
RAILS	1.25"	2"	STANDARD
 - FOOTING SIZES SHALL BE AS FOLLOWS:

FENCE HEIGHT	END OR CORNER POST FOOTING WIDTH	LINE POST FOOTING WIDTH	FOOTING DEPTH
FORTY-TWO (42") INCH HEIGHT	9"	9"	3'-6"
SIX (6') FOOT HEIGHT	12"	9"	3'-6"



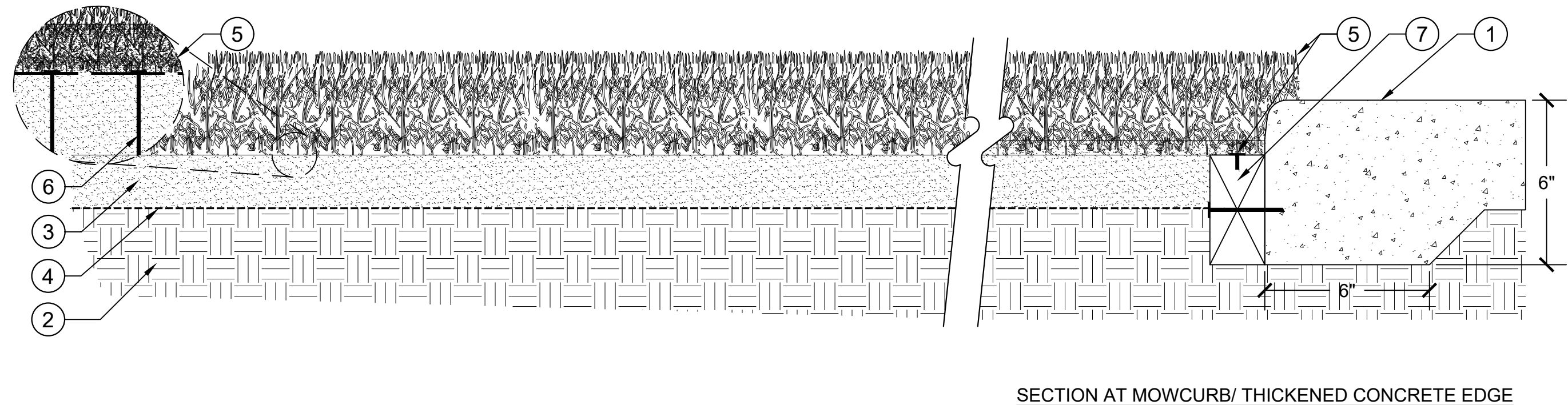
- LEGEND:
- 4" SAND BLASTED TEXT. CENTER BETWEEN TWO SCORE LINES. FONT: SANS SERIF.
 - 1/4" SAW CUT CONTROL JOINT AS SHOWN PER PLAN. SEE G-10.
 - 3/8" EXPANSION JOINT AS SHOWN PER PLAN. SEE G-10.
 - ADJACENT CONCRETE PAVING PER PLAN. SEE SDG-155.
- 1" = 1'-0"

- NOTES:
- ALL TEXT IS 4" (CAPITAL LETTER DIMENSION). FIRST LETTER OF WORD IS CAPITAL AND SUCCESSIVE LETTERING ARE LOWER CASE.
 - SANDBLAST TEXT INTO CONCRETE 1/4" DEPTH.
 - CENTER WIDTH OF BOTH WORDS IN THE CENTER OF SIDEWALK.
 - MOCK-UP LONGEST PHRASE (COMMUNITY - COMUNIDAD) ON SIDEWALK TO CONFIRM SIZING WITH LANDSCAPE ARCHITECT AND RESIDENT ENGINEER PRIOR TO INSTALLATION.
 - WORDS SHALL EXTEND ACROSS FULL WIDTH OF SIDEWALK WITH ±1'-6" BUFFER ON EACH SIDE.

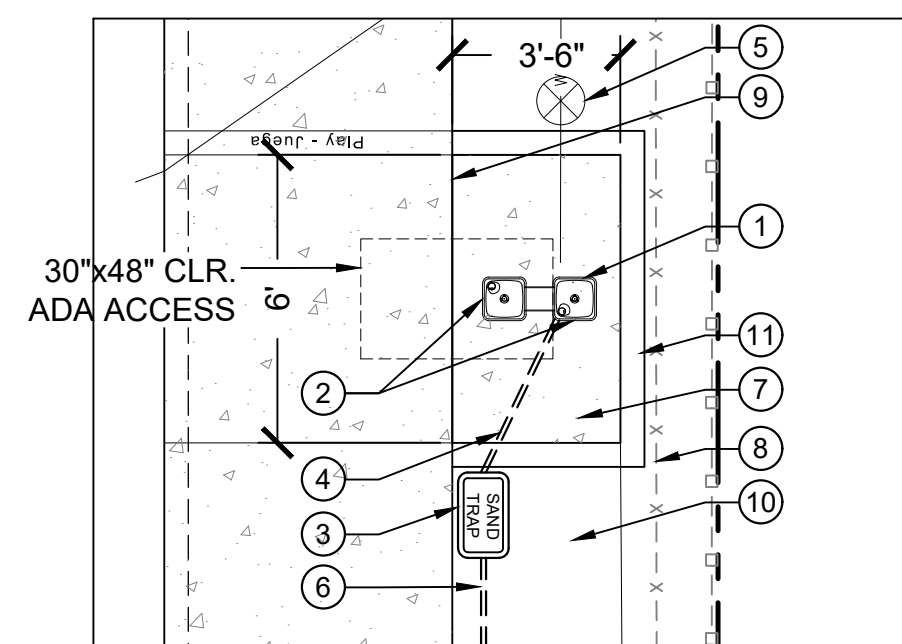


3 TUBULAR STEEL FENCE
NO SCALE

- LEGEND:
- FINISH SURFACE
 - CONCRETE FOOTING, 520-C-2500
 - 90% COMPACTED SUBGRADE TO 12" MIN. DEPTH
 - 2" SQUARE TUBE STEEL 14 GAUGE TOP & BOTTOM RAIL.
 - 1" SQUARE TUBE STEEL 14 GAUGE RAIL.
 - 5/8" SQUARE TUBE STEEL VERTICAL PICKETS 16 GAUGE AT 4-1/2" O.C.
 - 2" SQUARE TUBE STEEL 14 GAUGE POST
- NOTES:
- ALL METAL TO BE HOT DIPPED GALVANIZED AFTER FABRICATION PROCESS AND PAINTED WITH TWO (2) COATS CORROSION RESISTANT PRIMER AND TWO (2) COATS EXTERIOR ENAMEL. REFER TO CONSTRUCTION LEGEND FOR COLOR AND FINISH.
 - TUBE STEEL/ METAL STRAP FABRICATOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
 - TUBE STEEL/ METAL STRAP FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND TO VERIFY DESIGN CONFORMANCE.
 - ALL WELDS SHALL BE BUTT WELDED AND GROUND SMOOTH 360 DEGREES.
 - CONTRACTOR TO PROVIDE SAMPLE OF 6"X6" SECTION WITH PAINT FOR APPROVAL BY RESIDENT ENGINEER.

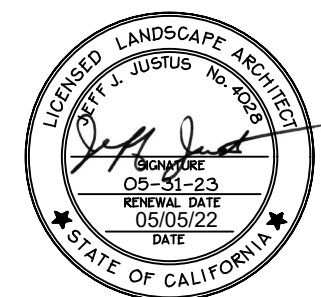


4 SYNTHETIC TURF
NO SCALE



5 DRINKING FOUNTAIN WITH LEACH LINE
NO SCALE

- LEGEND:
- DRINKING FOUNTAIN PER CONSTRUCTION LEGEND.
 - FOUNTAIN PUSH BUTTON LOCATION.
 - SAND TRAP IN CONCRETE BOX.
 - WASTE LINE FROM DRINKING FOUNTAIN.
 - GATE VALVE PER SDM-107.
 - CONNECT TO LEACH LINE PER CITY OF SAN DIEGO STANDARD DRAWING SMD-107.
 - CONCRETE PAVING PER PLAN.
 - EXISTING FENCE TO REMAIN, PROTECT IN PLACE.
 - CONCRETE SCORE JOINT.
 - PLANTING PER PLANTING PLAN.
 - 6" CURB PER CIVIL PLANS.

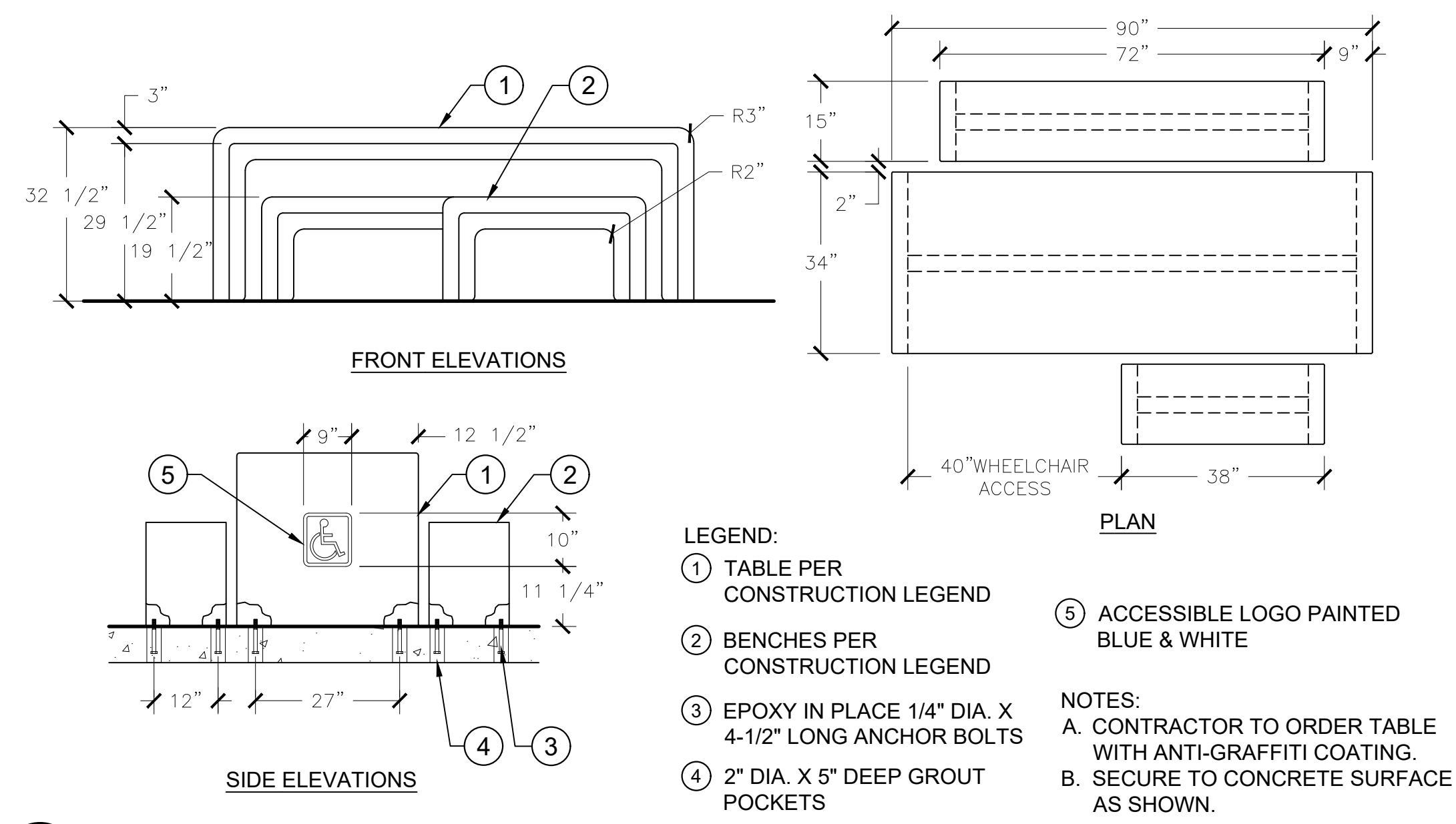


CONSULTANT		CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS SHEET 10 OF 26 SHEETS		WBS: L-16000.5
 1310 Rosecrans St., Suite G, San Diego, CA 92106 619.236.1462 LIC. CA 2138 NV 219 AZ 34139 SCHMIDTDESIGN.COM				APPROVED: FOR CITY ENGINEER JENNIFER SCOTT DATE: 06/17/2022 DATE: 06/17/2022 DATE: 06/17/2022
PROJECT #: 17-406 - DRAWN BY: JF - CHECKED BY: JJ		DATE STARTED: _____ DATE COMPLETED: _____		194-1725 CCS27 COORDINATE 1837-6292 CCS83 COORDINATE

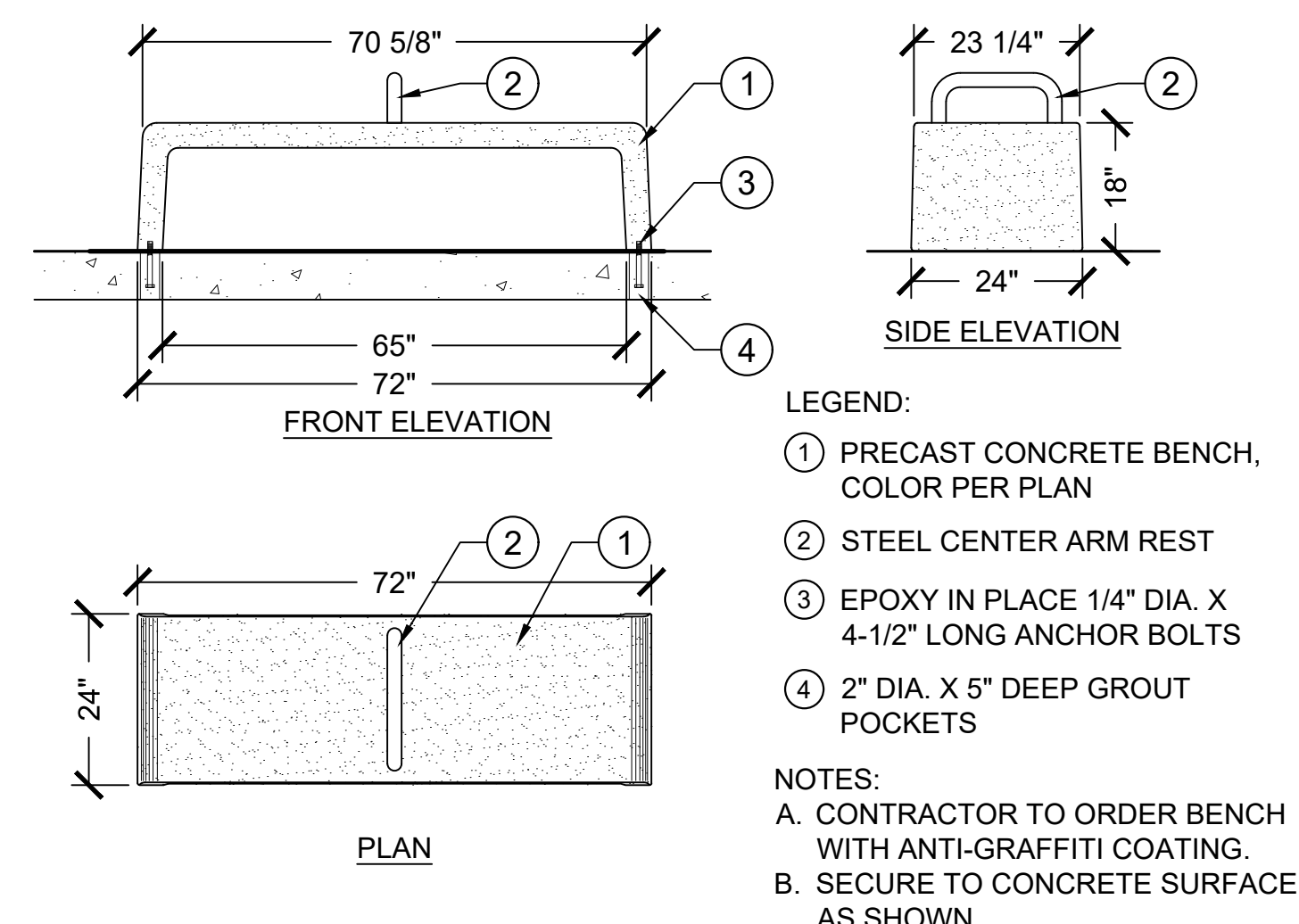
LC-2.1

PLANS FOR THE CONSTRUCTION OF
CLAY AVENUE MINI PARK
CONSTRUCTION DETAILS

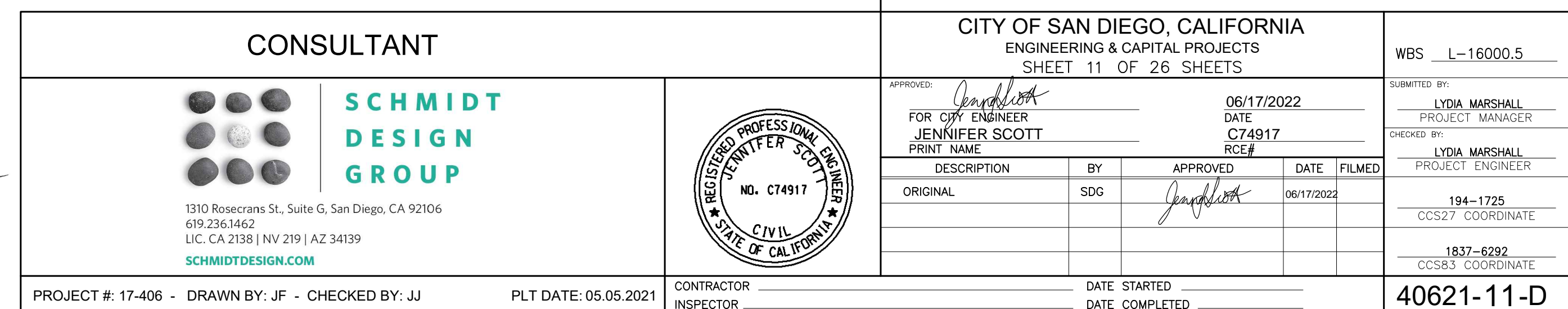
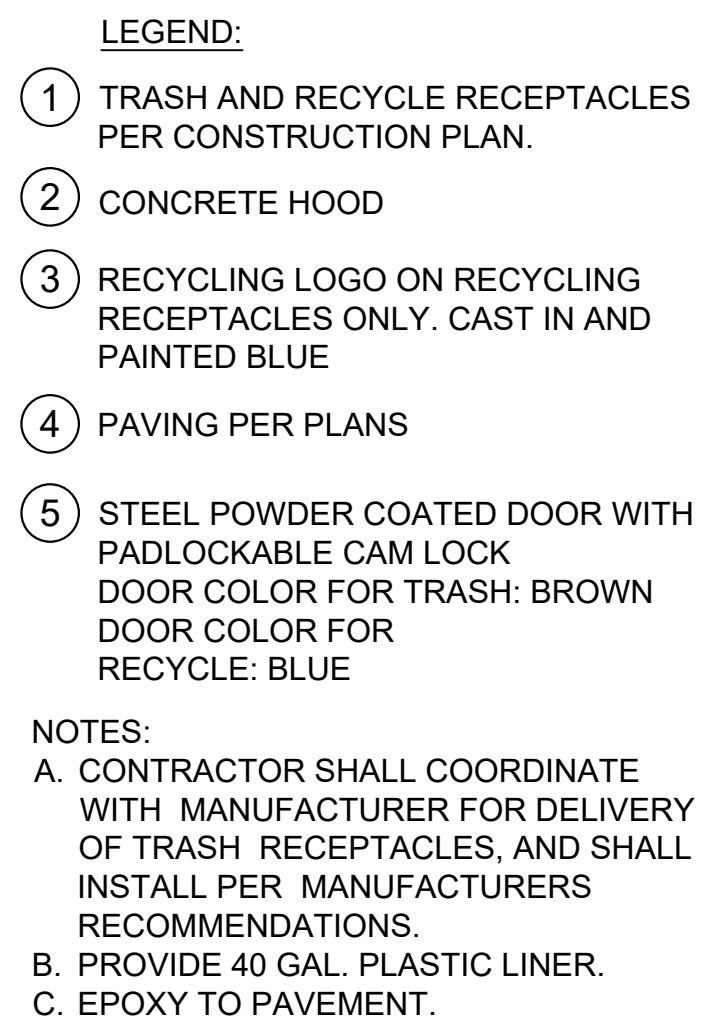
CLAY AVENUE MINI PARK



2 ACCESSIBLE CONCRETE PICNIC TABLE
1/2" = 1'-0"



4 CONCRETE BENCH
NO SCALE



LC-2.2

PLANS FOR THE CONSTRUCTION OF CLAY AVENUE MINI PARK CONSTRUCTION DETAILS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING & CAPITAL PROJECTS
SHEET 11 OF 26 SHEETS

WBS L-16000.5

SUBMITTED BY:

PROJECT MANAGER

LYDIA MARSHALL
PROJECT ENGINEER

194-1725

CCS27 COORDINATE

1837-6292
CCS83 COORDINATE

40621-11-

CLAY AVENUE MINI PARK

PLAYGROUND EQUIPMENT:

SYMBOL	DESCRIPTION
P-01	CUSTOM 5-12 YEARS PLAYBOOSTER AND EVOS PLAY STRUCTURE. MODEL #110024-1-1
P-02	OODLE SWING DB ONLY PLAY STRUCTURE. MODEL #173592
P-03	PLAYGROUND SIGN. MODEL #110024-1-1
P-04	INDIVIDUAL WOBBLE POD, MODEL #158105
P-05	POD CLIMBER - 8" HEIGHT, MODEL #120710
P-06	CURVED BALANCE BEAM, MODEL #100041
P-07	HEMISPHERE CLIMBER, MODEL #156435 WITH E-POD, MODEL #156454

ALL PLAYGROUND EQUIPMENT SHALL BE COLOR: PALETTE AA. AVAILABLE THROUGH LANDSCAPE STRUCTURES, REP: COAST RECREATION OR APPROVED EQUAL. PH: (714) 619-0100. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

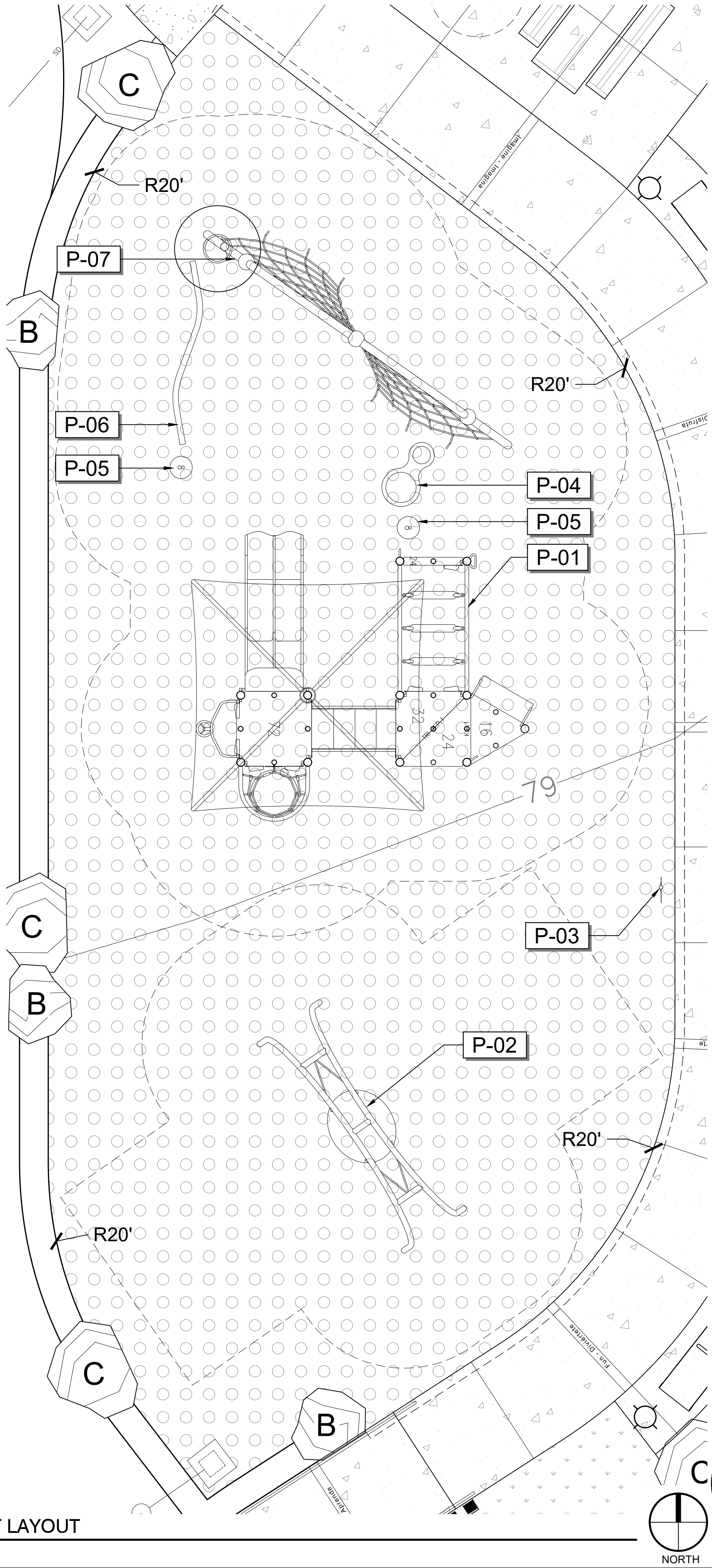
PLAYGROUND INDEPENDENT AUDIT:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN INDEPENDENT AUDIT OF THE PLAYGROUND AREA, SURFACING AND ALL PLAY EQUIPMENT. 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 TEST FOR ACTUAL G-MAX RATINGS ACCOMPLISHED WITH VARIOUS SURFACE MATERIALS.

PLAY EQUIPMENT NOTES:

- CONTRACTOR SHALL PROVIDE LANDSCAPE CONSTRUCTION INSPECTOR WITH ANY SUBSTITUTES OF PLAY EQUIPMENT FOR REVIEW AND APPROVAL DURING BIDDING.
- INSTALLATION CONTRACTOR SHALL BE CPSI CERTIFIED.
- 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 TO THE LANDSCAPE CONSTRUCTION INSPECTOR AND PROJECT MANAGER A SIGNED LETTER STATING THAT THE PLAYGROUND AREA, SURFACING AND 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.)
- CONTRACTOR SHALL PROVIDE LANDSCAPE ARCHITECT WITH MANUFACTURER'S STANDARD COLORS FOR SELECTION PRIOR TO PURCHASE.

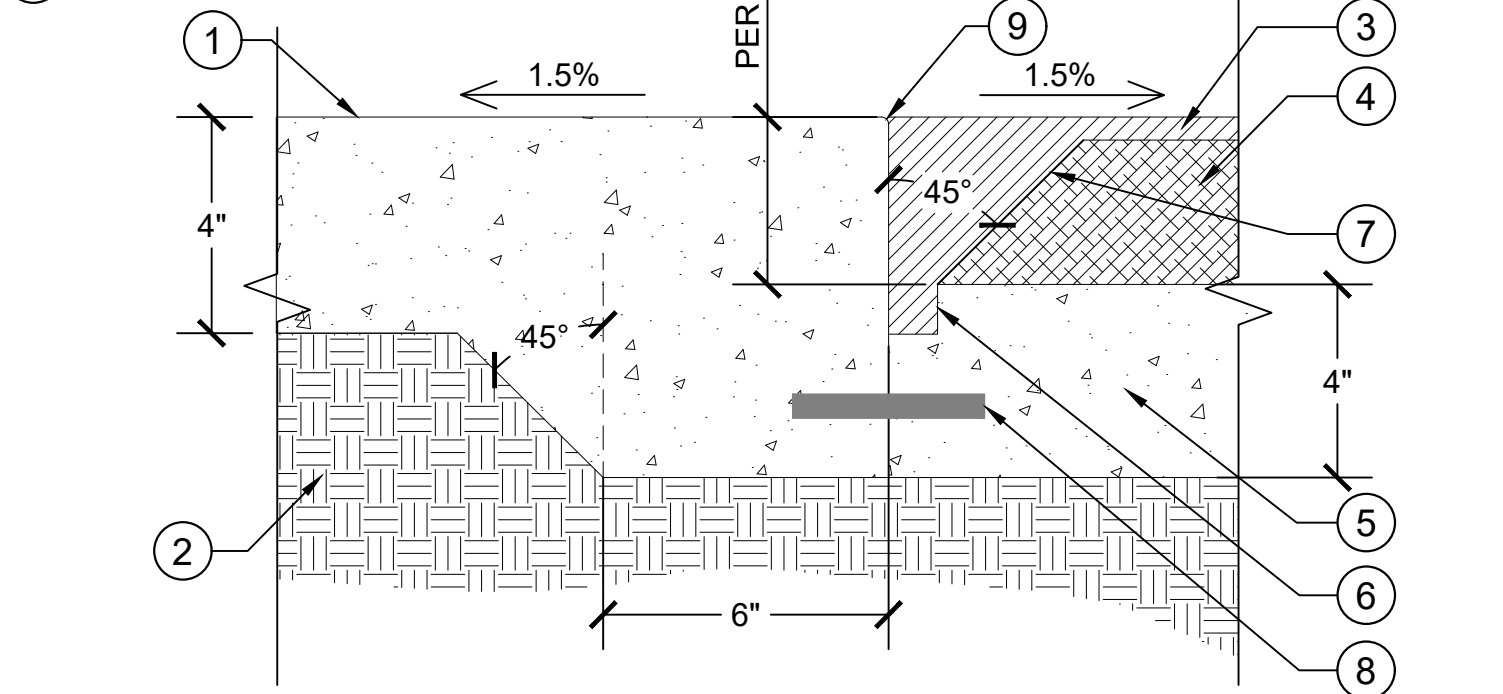
1 ENLARGED PLAN OF PLAYGROUND EQUIPMENT LAYOUT
1" = 4'-0"



LEGEND:

- 1 CONCRETE PAVEMENT WITH THICKENED EDGE SLOPE AWAY FROM TOT LOT AT 1.5% MAX.
- 2 90% COMPACTED SUB-GRADE TO MIN. 12" DEPTH.
- 3 COLOR WEAR LAYER PER MANUFACTURER.
- 4 CUSHION LAYER PER MANUFACTURER
- 5 520-C-2500 CONCRETE BASE
- 6 1" x 1" KEY IN CONCRETE BASE
- 7 45 DEG CHAMFER
- 8 14" #4 DOWEL. EPOXY INTO THICKENED CONCRETE EDGE, 36" O.C., 12" MIN FROM EDGE OF CONCRETE.
- 9 1/8" RADIUS AT CONCRETE EDGE

NOTE:
A. SLOPE CONCRETE BASE FOR RESILIENT SURFACING TOWARD TOT LOT DRAINAGE. SEE CIVIL PLANS.

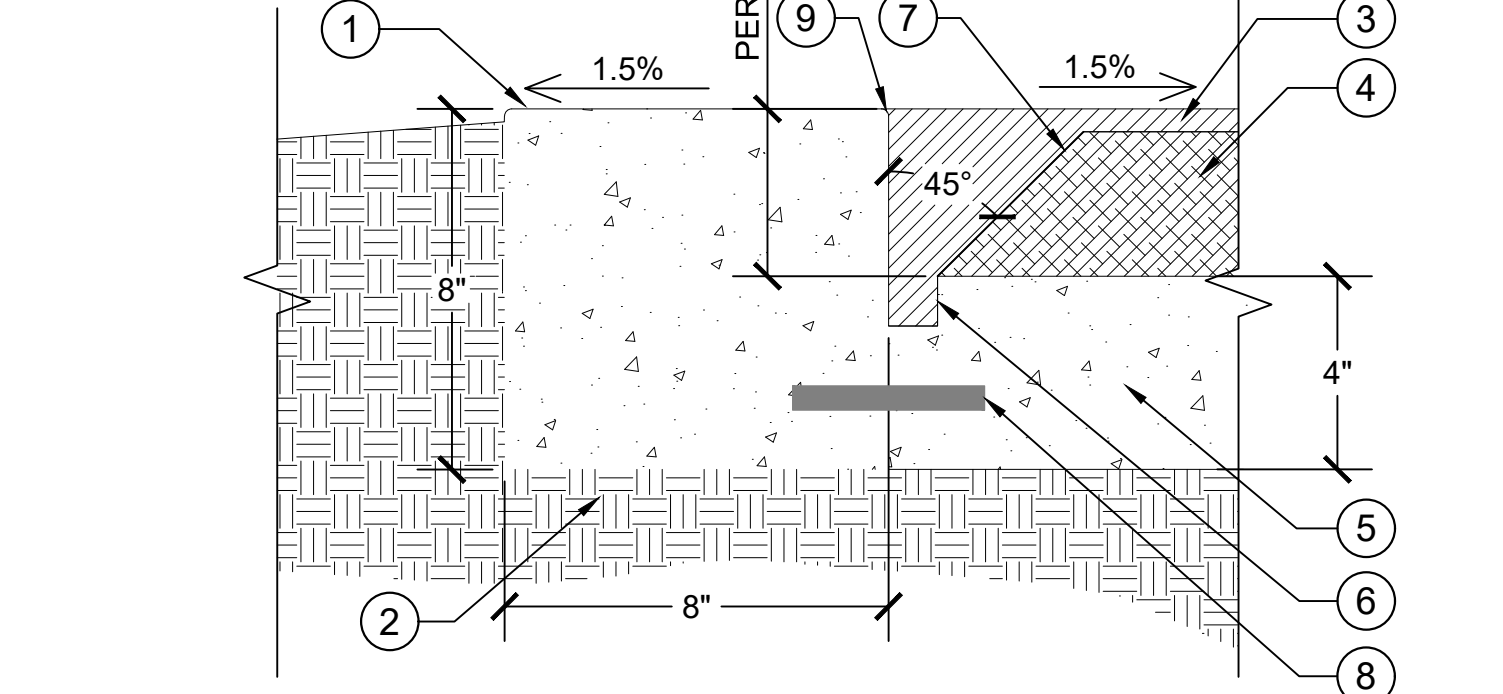


2 PLAY AREA SAFETY SURFACING @ THICKENED EDGE
3" = 1'-0" PER CONSULTANT'S GUIDE TO PARK DESIGN AND DEVELOPMENT - CITY OF SAN DIEGO. DETAIL D-1

LEGEND:

- 1 CONCRETE CURB, SLOPE AWAY FROM TOT LOT AT 1.5% MAX.
- 2 90% COMPACTED SUB-GRADE TO MIN. 12" DEPTH.
- 3 COLOR WEAR LAYER PER MANUFACTURER.
- 4 CUSHION LAYER PER MANUFACTURER
- 5 520-C-2500 CONCRETE BASE
- 6 1" x 1" KEY IN CONCRETE BASE
- 7 45 DEG CHAMFER
- 8 14" #4 DOWEL. EPOXY INTO THICKENED CONCRETE EDGE, 36" O.C., 12" MIN FROM EDGE OF CONCRETE.
- 9 1/8" RADIUS AT CONCRETE EDGE

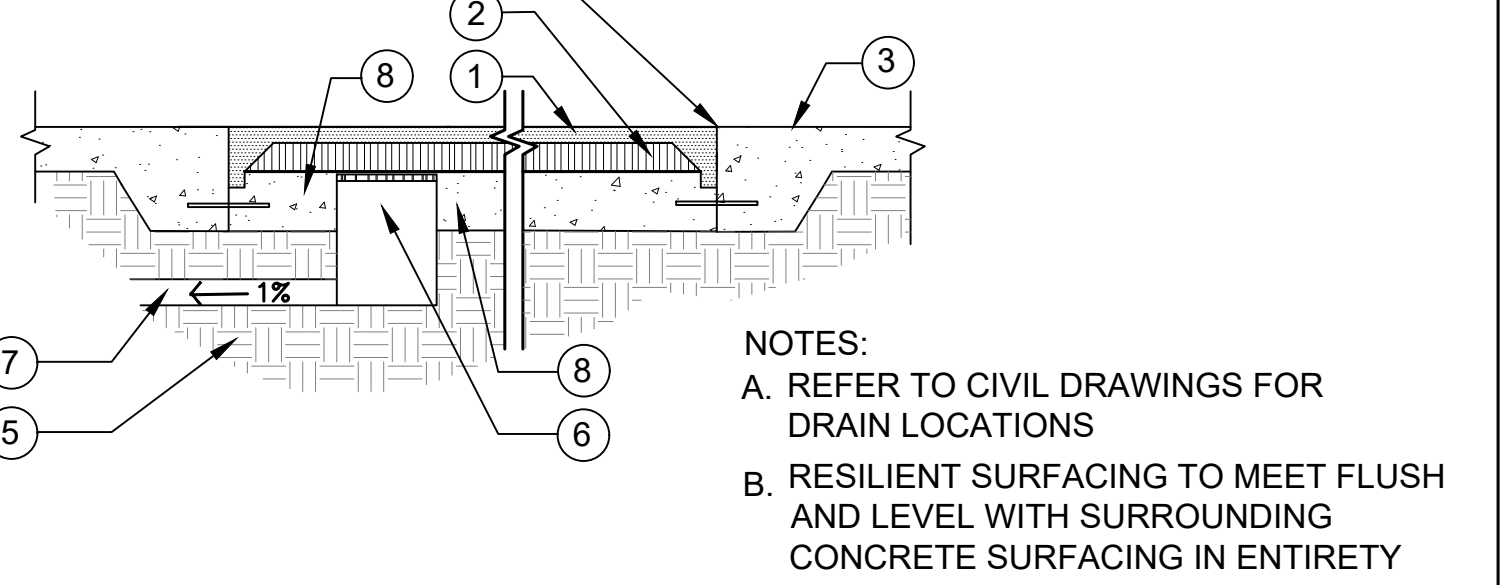
NOTE:
A. SLOPE CONCRETE BASE FOR RESILIENT SURFACING TOWARD TOT LOT DRAINAGE. SEE CIVIL PLANS.



4 PLAY AREA SAFETY SURFACING @ CURB
3" = 1'-0"

LEGEND:

- 1 ACCESSIBLE POURED-IN-PLACE RESILIENT SURFACING
- 2 CUSHION LAYER PER MANUFACTURER
- 3 ADJACENT SURFACING PER PLANS
- 4 THICKENED EDGE IS FLUSH WITH RESILIENT SURFACING
- 5 90% COMPACTED SUBGRADE TO MIN. 12" DEPTH
- 6 12"x12" SQUARE CONCRETE CATCH BASIN WITH TRAFFIC GRATE, COVER GRATE WITH GEOTEXTILE FABRIC TO PREVENT RESILIENT SURFACE MATERIALS FROM ENTERING DRAIN INLET. CATCH BASIN BY OLDCASTLE PRECAST OR APPROVED EQUAL.
- 7 8" SOLID PVC DRAIN PIPE. SEE GRADING PLAN FOR CONTINUATION
- 8 CONCRETE SUB-BASE FOR RESILIENT SURFACING. SEE DETAIL THIS SHEET. SLOPE TO DRAIN INLET.



3 DRAIN AT RESILIENT SURFACING
1" = 1'-0"

NOTES:
A. REFER TO CIVIL DRAWINGS FOR DRAIN LOCATIONS
B. RESILIENT SURFACING TO MEET FLUSH AND LEVEL WITH SURROUNDING CONCRETE SURFACING IN ENTIRETY

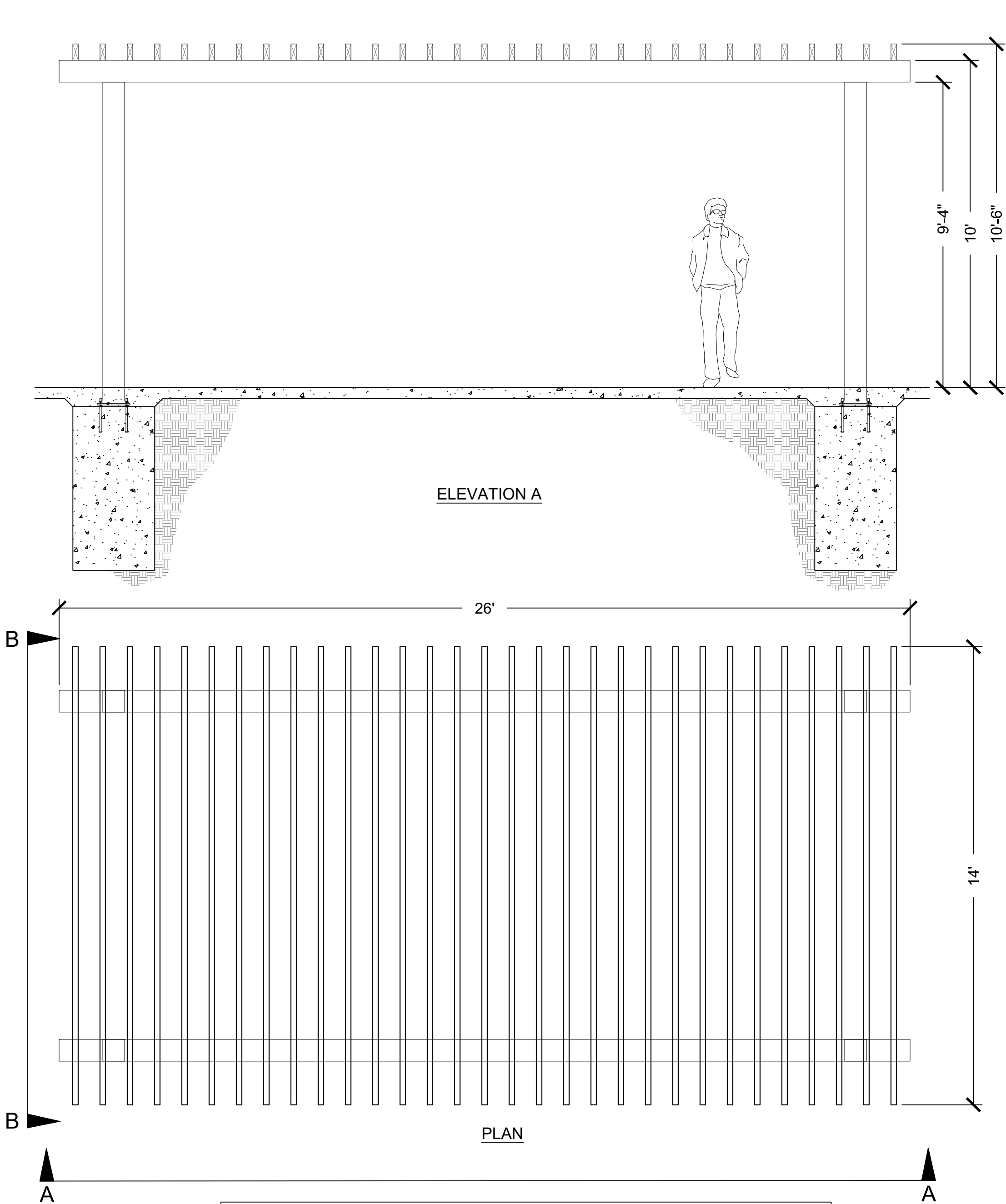
This set of plans and specifications shall be kept on the site of the structure of work at all times during which work authorized by these plans is in progress, and shall be made available to City officials upon request. It is unlawful to change, modify, or alter the approved plans and specifications without authorization of the Building Official. The stamping of these plans and specifications SHALL NOT be held to permit nor approve the violation of any City, County, State, or Federal laws, nor restrictions.

LC-2.3

PLANS FOR THE CONSTRUCTION OF
CLAY AVENUE MINI PARK
CONSTRUCTION DETAILS

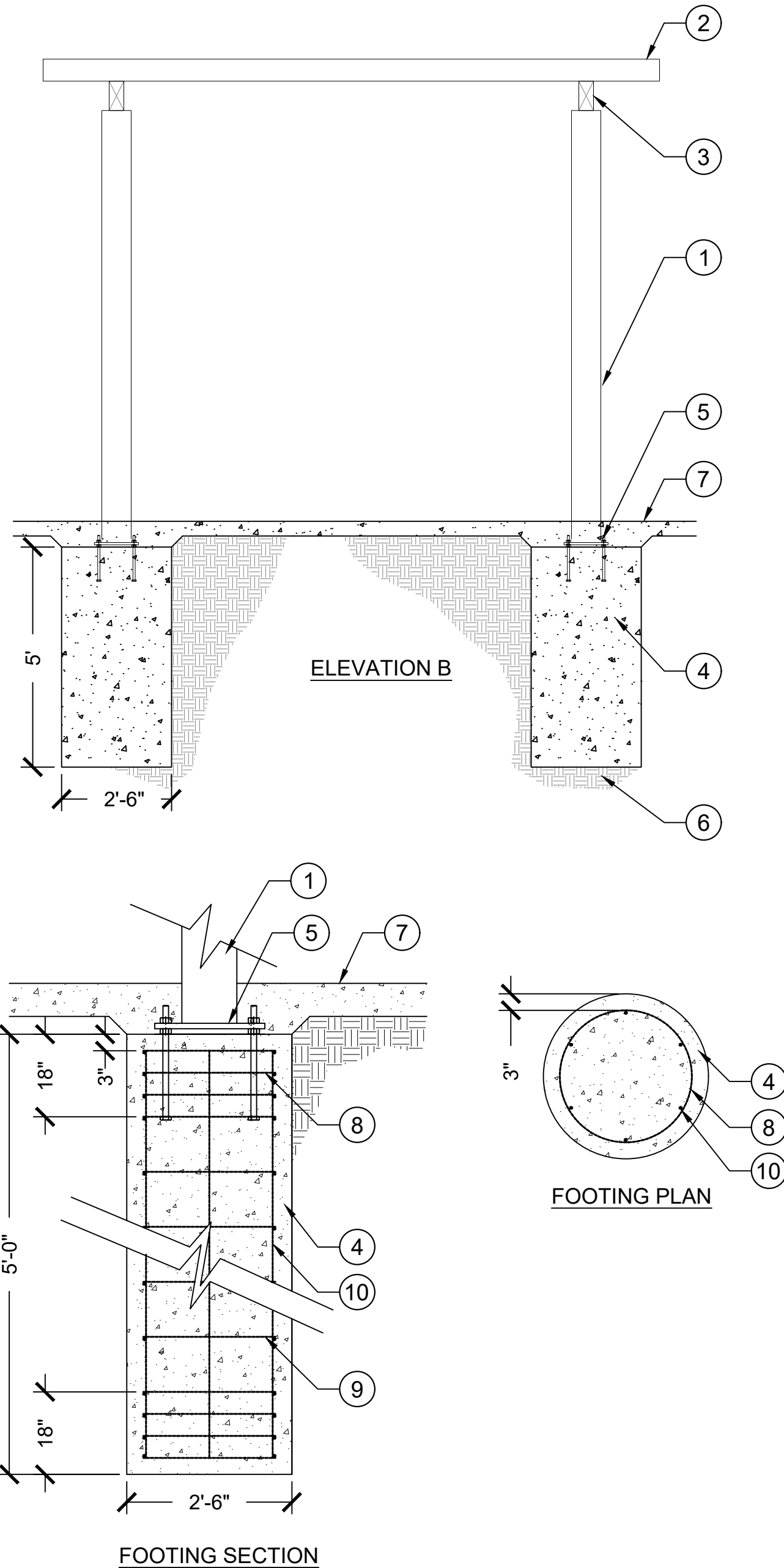
CONSULTANT			CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS SHEET 12 OF 26 SHEETS			WBS L-16000.5
 1310 Rosecrans St., Suite G, San Diego, CA 92106 619.236.1462 LIC. CA 2138 NV 219 AZ 34139 SCHMIDTDESIGN.COM			APPROVED: FOR CITY ENGINEER JENNIFER SCOTT PRINT NAME: _____ DATE: 06/17/2022 RCE# C74917	DATE: 06/17/2022	DATE: 06/17/2022	SUBMITTED BY: LYDIA MARSHALL PROJECT MANAGER
			DESCRIPTION: ORIGINAL	BY: SDG	APPROVED: DATE: 06/17/2022	CHECKED BY: LYDIA MARSHALL PROJECT ENGINEER
PROJECT #: 17-406 - DRAWN BY: JF - CHECKED BY: JJ			DATE STARTED: _____	DATE COMPLETED: _____	DATE: 06/17/2022	194-1725 CCS27 COORDINATE
PLT DATE: 05.05.2021			CONTRACTOR INSPECTOR			1837-6292 CCS83 COORDINATE
						40621-12-D

CLAY AVENUE MINI PARK



CONTRACTOR TO COORDINATE DEPTH OF FOOTING TO MAINTAIN MINIMUM 6" COVER ON ALL ANCHORS. POST LENGTH TO BE COORDINATED WITH SLOPE OF PAVEMENT. SEE CIVIL PLANS. CONTRACTOR TO COORDINATE FOOTING SIZE AND DEPTH WITH OTHER PROPOSED UTILITIES.

1 14' X 26' SHADE STRUCTURE (DEFERRED PERMIT) FOR BID PURPOSES ONLY
3/8" = 1'-0"



PREFABRICATED STRUCTURES NOTES:

MATERIALS	(ASTM DESIGNATION)
TUBE STEEL (HSS HOLLOW STRUCTURAL SECTION)	A-500 GRADE B
STRUCTURAL STEEL PLATE	A-36
ROOF PANELS (STEEL)	A-446
ANCHOR BOLTS	F1554 GRADE 36
CONNECTION BOLTS	A-325

ALL WELDING CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED AND DEVELOP FULL STRENGTH OF COMPONENT PARTS. ALL WELDING IS PERFORMED BY AWS CERTIFIED WELDERS.

ALL COMPONENTS TO BE HOT DIPPED ZINC GALVANIZED PRIOR TO POWDER COATING.

ALL COMPONENTS TO RECEIVE FACTORY POWDER COATING.

HIGH STRENGTH BOLTING:
ALL HIGH STRENGTH BOLTS ARE A-325 BOLTS WITH HEAVY HEX NUTS. THE BOLTS ARE TO BE INSTALLED UTILIZING THE "SPECIFICATION FOR STRUCTURAL JOINTS ASTM A325 OR A490 BOLTS" (6/30/2004) 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.

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.

LEGEND:

- 1 HSS 8X8X1/4 POST, POWDERCOAT COLOR: ASH GRAY. AVAILABLE THROUGH ICON SHELTER SYSTEMS OR APPROVED EQUAL. PHONE: (951) 541-8380.
- 2 HSS 2X6X1/4 BEAM, COLOR: ASH GRAY. AVAILABLE THROUGH ICON SHELTER SYSTEMS, INC. OR APPROVED EQUAL. PHONE: (951) 541-8380.
- 3 HSS 4X8X1/4 BEAM, COLOR: ASH GRAY. AVAILABLE THROUGH ICON SHELTER SYSTEMS, INC. OR APPROVED EQUAL. PHONE: (951) 541-8380.
- 4 CONCRETE FOOTING (PIER FOOTING ONLY - SPREAD FOOTING IS NOT ALLOWED)
- 5 ANCHOR BOLTS AND BASE CONNECTION PER MANUFACTURER'S RECOMMENDATIONS.
- 6 90% COMPACTED SUBGRADE TO MIN. 12" DEPTH.
- 7 CONCRETE PAVING PER PLAN.
- 8 #3 TIES AT 4" O.C. U.N.O.
- 9 #3 TIES AT 10" O.C.
- 10 6 - #7 REBAR VERTICAL

This set of plans and specifications shall be kept on the site of the structure of work at all times during which work authorized by these plans is in progress, and shall be made available to City officials upon request. It is unlawful to change, modify, or alter the approved plans and specifications without authorization of the Building Official. The stamping of these plans and specifications SHALL NOT be held to permit nor approve the violation of any applicable laws, codes, or regulations.

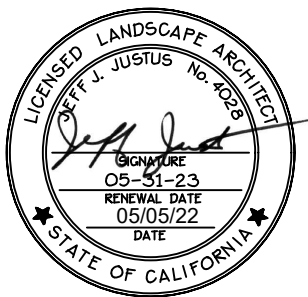


CONTRACTOR IS TO PROVIDE THE SHADE STRUCTURE IN PLACE, INCLUDING FOOTING. CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE PERMIT ASSOCIATED WITH CONSTRUCTION AND INSTALLATION OF THE SHADE STRUCTURE. CONTRACTOR WILL PROVIDE FOOTING DESIGN INCLUDING STAMPED STRUCTURAL DRAWINGS AND CALCULATIONS FOR THE FOOTING AND STRUCTURE. DESIGN AND CALCULATIONS WILL BE SUBMITTED TO THE CITY OF SAN DIEGO DEVELOPMENT SERVICES DIVISION FOR PERMITTING. REFER TO PREFABRICATED STRUCTURE NOTES FOR CONSTRUCTION OF OVERHEAD SHADE STRUCTURES.

LC-2.4

PLANS FOR THE CONSTRUCTION OF CLAY AVENUE MINI PARK CONSTRUCTION DETAILS

CONSULTANT		CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS SHEET 13 OF 26 SHEETS		WBS L-16000.5	
 1310 Rosecrans St., Suite G, San Diego, CA 92106 619.236.1462 LIC. CA 2138 NV 219 AZ 34139 SCHMIDTDESIGN.COM				SUBMITTED BY: LYDIA MARSHALL PROJECT MANAGER CHECKED BY: LYDIA MARSHALL PROJECT ENGINEER	
PROJECT #: 17-406 - DRAWN BY: JF - CHECKED BY: JJ		DATE STARTED: 06/17/2022 DATE COMPLETED: 06/17/2022		194-1725 CCS27 COORDINATE 1837-6292 CCS83 COORDINATE	
PLT DATE: 05.05.2021		CONTRACTOR INSPECTOR		40621-13-D	



CLAY AVENUE MINI PARK

K:\Projects\Schmidt Design Group - 340\006 Clay Avenue Mini Park\Drawings\CD 2013\Elec\E-01.dwg 05/31/2022 13:44

ELECTRICAL SYMBOLS

GENERAL SYMBOLS

DASHED SYMBOL INDICATES EXISTING FIXTURE, DEVICE, OUTLET OR EQUIPMENT TO REMAIN.

SOLID SYMBOL INDICATES NEW FIXTURE, DEVICE, OUTLET.

LIGHTING FIXTURE SCHEDULE REFERENCE.

NOTE REFERENCE

FEEDER REFERENCE, SEE FEEDER SCHEDULE.

DETAIL NUMBER DESIGNATION
SHEET DETAIL APPEARS ON

SECTION LETTER DESIGNATION
SHEET DETAIL APPEARS ON

3/E39 DETAIL OR SECTION REFERENCES IN NOTES.

SITE WORK

UNDERGROUND CONDUIT.

SAWCUT

LHH LIGHTING PULLBOX, PRECAST CONCRETE, TRAFFIC-RATED

EHH ELECTRICAL PULLBOX, PRECAST CONCRETE, TRAFFIC-RATED

GROUND ROD

GROUND ROD IN FLUSH UNDERGROUND UTILITY PULL BOX

SCHEMATIC AND SINGLE LINE DIAGRAM SYMBOLS

LOW VOLTAGE CIRCUIT BREAKER

GROUNDING ELECTRODE

SPLICE

TRANSFORMER, DRY TYPE. UNLESS OTHERWISE INDICATED

CURRENT TRANSFORMER

KILOWATT HOUR METER

PANELBOARD

LUMINAIRES

POLE MOUNTED LUMINAIRE

CONCRETE BOLLARD

DISCONNECT AND OVERCURRENT DEVICES

CIRCUIT BREAKER		SAFETY SWITCHES	
NUMBERS OF POLES	3	NUMBERS OF POLES	3
TRIP (AMPERES)	*	FUSE SIZE (AMPS)	*
FRAME (AMPERES)	100	RATING (AMPERES)	100
I.C. (1000 AMPS)	10	FUSE CLASS (UL)	RK5
*	"NA"	INDICATES NON-AUTOMATIC C/B	
*	"NF"	INDICATES NON-FUSED SWITCH	
*	"50"	INDICATES TRIP OR FUSE SIZE	

ELECTRICAL GENERAL NOTES

1. THE FOLLOWING GENERAL NOTES APPLY TO ALL ELECTRICAL DRAWINGS.

2. INSTALLATION OF ELECTRICAL MATERIAL SHALL CONFORM WITH LOCAL REGULATIONS AND THE 2016 CALIFORNIA ELECTRICAL CODE (CEC), PUBLIC WORKS GREEN BOOK (UPDATED), WHITE BOOK AND OTHER GOVERNING CODES AND ORDINANCES.

3. ALL ELECTRICAL EQUIPMENT SHALL BE NRTL LABELED.

4. THE CONTRACTOR SHALL VISIT THE SITE INCLUDING ALL AREAS INDICATED ON THE DRAWINGS. HE SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND BY SUBMITTING A BID ACCEPTS CONDITIONS UNDER WHICH HE SHALL BE REQUIRED TO PERFORM HIS WORK.

5. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COMPLETE SET OF DRAWINGS AND SPECIFICATIONS. HE SHALL CHECK THE DRAWINGS OF THE OTHER TRADES AND SHALL CAREFULLY READ THE ENTIRE SPECIFICATIONS AND DETERMINE HIS RESPONSIBILITIES. FAILURE TO DO SO SHALL NOT RELEASE THE CONTRACTOR FROM DOING THE WORK IN COMPLETE ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.

6. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AT THE SITE. ANY COST TO ROUTE CONDUIT OTHER THAN AS SHOWN ON THE PLANS SHALL BE INCURRED BY THE CONTRACTOR.

7. WHEREVER A DISCREPANCY IN QUANTITY OR SIZE OF CONDUIT, WIRE, EQUIPMENT DEVICES, CIRCUIT BREAKERS, TRANSFORMERS, GROUND FAULT PROTECTION SYSTEM, ETC. (ALL MATERIALS) ARISES ON THE DRAWINGS AND/OR SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL MATERIAL AND SERVICES REQUIRED BY THE STRICTEST CONDITIONS NOTED ON DRAWINGS AND/OR IN THE SPECIFICATIONS TO ENSURE COMPLETE AND OPERABLE SYSTEMS TO THE SATISFACTION OF THE RESIDENT ENGINEER.

8. ALL CONDUIT SIZES ARE BASED ON COPPER CONDUCTORS WITH THHN/THWN-2 INSULATION UNLESS OTHERWISE NOTED. ALL CONDUCTORS SHALL BE COPPER #12 AWG MINIMUM SIZE, TYPE THHN/THWN THERMOPLASTIC, 600 VOLT, 75 DEGREES CELSIUS WET AND 90 DEGREES CELSIUS DRY AND UL LISTED UNLESS NOTED OTHERWISE. CONDUCTORS #12 AWG AND LARGER SHALL BE STRANDED.

9. MINIMUM CONDUIT SIZE FOR ALL UNDERGROUND INSTALLATION SHALL BE 1", UNLESS OTHERWISE NOTED.

10. PROVIDE PROPERLY SIZED LUGS AT ALL CIRCUIT BREAKER PANELS, FOR THE CONDUCTORS SHOWN TO CONNECT TO THESE LUGS.

11. INSTALL ALL EXTERIOR MOUNTED ELECTRICAL EQUIPMENT IN WEATHERPROOF, NEMA 3R ENCLOSURES.

12. SEPARATE INSULATED EQUIPMENT GROUNDING CONDUCTOR, SIZED PER CEC TABLE 250.122, SHALL BE PROVIDED, INSTALLED IN THE SAME CONDUIT AS THE CIRCUIT CONDUCTORS, FOR ALL FEEDER AND BRANCH CIRCUITS.

13. THE CONTRACTOR SHALL SUPPLY POWER TO AND MAKE CONNECTION TO ALL MOTORS AND EQUIPMENT REQUIRING ELECTRICAL, INCLUDING ALL FRACTIONAL HORSEPOWER MOTORS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE CIVIL, LANDSCAPE, AND STRUCTURAL DRAWINGS.

14. THE SEISMIC BRACING AND ANCHORAGE OF ELECTRICAL CONDUITS, BUS DUCT, WIREWAY AND CABLE TRAY SHALL BE IN ACCORDANCE WITH THE "GUIDELINE FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS," PUBLISHED BY SMACNA AND PPIC.

15. ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

FIXED EQUIPMENT ON GRADE

20% OF OPERATING WEIGHT

FIXED EQUIPMENT ON STRUCTURE

30% OF OPERATING WEIGHT

EMERGENCY POWER & COMMUNICATION EQUIPMENT ON GRADE

50% OF OPERATING WEIGHT

EMERGENCY POWER & COMMUNICATION EQUIPMENT ON STRUCTURE

75% OF OPERATING WEIGHT

FOR FLEXIBLY MOUNTED EQUIPMENT USED FOUR (4) TIMES THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE ONE-THIRD (1/3) TIMES THE HORIZONTAL FORCE. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE CITY RESIDENT ENGINEER. WHERE ANCHORAGE IS INDICATED ON THE CONTRACT DOCUMENTS REVIEWED BY RESIDENT ENGINEER, ANCHORAGE SHALL BE AS PER THE CONTRACT DOCUMENTS.

ABBREVIATIONS

A	AMPERES, AMMETER	L	LOAD
AC	ALTERNATING CURRENT	LTG	LIGHTING
AF	AMPERE FRAME		
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
AIC	AMPERES INTERRUPTING CAPACITY	NTS	NOT TO SCALE
AT	AMPERE TRIP		
AWG	AMERICAN WIRE GAUGE	P	POLE OR PHASE
		PVC	POLYVINYL CHLORIDE
BC	BARE COPPER CONDUCTER	SCH	SCHEDULE
C	CONDUIT	SEC	SECONDARY OR SECONDS
CO	CONDUIT ONLY	SDG&E	SAN DIEGO GAS AND ELECTRIC
CONC	CONCRETE		
CU	COPPER	TRANSF	TRANSFORMER
		TYP	TYPICAL
(E)	EXISTING TO REMAIN		
EHH	ELECTRICAL HAND HOLE	UG	UNDER GROUND
		UON	UNLESS OTHERWISE NOTED
G	GROUND OR GENERATOR		
GALV	GALVANIZED	VA	VOLT AMPERES
GND	GROUND		
		WM	WATTMETER
		WP	WEATHERPROOF
JB	JUNCTION BOX		
KCM	1000 CIRCULAR MILS	XFMR	TRANSFORMER
KVA	KILOVOLT AMPERES		
KVAR	KILOVOLT AMPERES, REACTIVE		
KW	KILOWATT		
KWH	KILOWATT HOUR		

BSE PROJECT # 340-006

SCHMIDT
DESIGN
GROUP

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

CONSULTANT

SPEC. NO. 1854C

APPROVED: *Jennifer Scott*

FOR CITY ENGINEER

DATE 06/17/2022

PRINT NAME JENNIFER SCOTT

NO. C74917

CIVIL

REGISTERED PROFESSIONAL ENGINEER

STATE OF CALIFORNIA

PROJECT # 17-406 - DRAWN BY: JC - CHECKED BY: BR

PLT DATE: 05.05.2022

CONTRACTOR INSPECTOR

DATE STARTED

DATE COMPLETED

This set of plans and specifications shall be kept on the site of the structure of work at all times during which work authorized by these plans is in progress, and shall be made available to City officials upon request. It is unlawful to change, modify, or alter the approved plans and specifications without authorization of the Building Official. The stamping of these plans and specifications SHALL NOT be held to permit nor approve the violation of any City, County, State, or Federal laws, nor restrictions.

THE CITY OF SAN DIEGO

Development Services Department

PERMIT ISSUED

E-0.1

PLANS FOR THE CONSTRUCTION OF
CLAY AVENUE MINI PARK
ELECTRICAL SYMBOLS, LEGEND AND
ABBREVIATIONS

CITY OF SAN DIEGO, CALIFORNIA

ENGINEERING & CAPITAL PROJECTS

SHEET 14 OF 26 SHEETS

WBS: L-16000.5

APPROVED: *Jennifer Scott*

FOR CITY ENGINEER

DATE 06/17/2022

PRINT NAME JENNIFER SCOTT

NO. C74917

CIVIL

REGISTERED PROFESSIONAL ENGINEER

STATE OF CALIFORNIA

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	BSE	<i>Jennifer Scott</i>	06/17/2022	

194-1725

CCS27 COORDINATE

1837-6292

CCS83 COORDINATE

40621-14-D

CLAY AVENUE MINI PARK

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STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 04/16)
CERTIFICATE OF COMPLIANCE
Outdoor Lighting
Project Name: CLAY AVE - MINI PARK
Date Prepared: 3/14/2019

CALIFORNIA ENERGY COMMISSION
NRCC-LTO-01-E
(Page 1 of 4)

A. General Information
Project Address: 3161 1/3 CLAY AVENUE SAN DIEGO CA. 92113
Total Illuminated Hardscape Area: 1,044
Phase of Construction: ☐ New Construction ☐ Addition ☒ Alteration
Outdoor Lighting Zone (LZ) ☐ LZ-1 ☐ LZ-2 ☒ LZ-3 ☐ LZ-4
I have confirmed with the AHJ which LZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-114

B. Lighting Compliance Documents (check box for each document included)
For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.
☒ NRCC-LTO-01-E Certificate of Compliance
☒ NRCC-LTO-02-E Outdoor Lighting Controls Certificate of Compliance
☒ NRCC-LTO-03-E Outdoor Lighting Power Allowance Certificate of Compliance
☐ NRCC-LTO-04-E Outdoor Lighting Existing Conditions Certificate of Compliance

C. Summary of Allowed Outdoor Lighting Power
Sum Total ALLOWED Outdoor Lighting Wattage from NRCC-LTO-03-E, page 1
01 Alterations with NO increase of connected lighting load may instead use the allowed wattage from NRCC-LTO-04, page 2.
Complies ONLY if Installed (Box 02) ≤ Allowed (Box 01)
02 Sum Total INSTALLED Outdoor Lighting Wattage from NRCC-LTO-01-E, page 3.

D. Declaration of Required Installation Certificates
Declare by checking all Installation Certificates that will be submitted. (Retain copies and verify compliance documents are completed and signed.)
☒ NRCL-LTO-01-E - Must be submitted for all buildings ☐ Field Inspector
☒ NRCL-LTO-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance. ☐ Field Inspector

E. Declaration of Required Certificates of Acceptance
Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify compliance documents are completed and signed.)
☒ NRCA-LTO-02-A - Must be submitted for outdoor lighting controls. ☐ Field Inspector

F. Schedule of Luminaires Exempt from the Outdoor Lighting Power Requirements in §140.7
01
Name or Symbol
02
Description of exempt luminaire in accordance with the exemptions

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 04/16)
CERTIFICATE OF COMPLIANCE
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CALIFORNIA ENERGY COMMISSION
NRCC-LTO-01-E
(Page 2 of 4)

G. Schedule of Luminaires Exempt from the Cutoff Requirements in §130.2(b)
01
Name or Symbol
02
Description of exempt luminaire in accordance with the exemptions

H. Schedule of Luminaires Exempt from the Outdoor Lighting Control Requirements in §130.2(c)
01
Name or Symbol
02
Description of exempt luminaire in accordance with the exemptions

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 02/16)
CERTIFICATE OF COMPLIANCE
Outdoor Lighting
Project Name: CLAY AVE - MINI PARK
Date Prepared: 3/14/2019

CALIFORNIA ENERGY COMMISSION
NRCC-LTO-01-E
(Page 3 of 4)

I. Outdoor Lighting Schedule and Field Inspection Energy Checklist

Luminaire Schedule		Installed Watts			Location	Cutoff	Field Inspector			
01	02	03	04	05	06	07	08	09		
Name or Item Tag	Complete Luminaire Description	Watts per Luminaire	How wattage was determined CEC Default from NAB According to §130.0(c)	Number of Luminaires	Total Installed Watts in this area (3 x 5)	Primary Function area in which the luminaires are installed (Outdoor Lighting Zone)	BUG Rating	Pass Fail		
A	Type A - 32W LED 4000K Pole	32.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2	64	Pedestrian Hardscape	UH: n/a UL: n/a FVH: n/a BVH: n/a FH: n/a BH: n/a	<input type="checkbox"/>	<input type="checkbox"/>
B	Type B - 28W LED 3500K BOLLARD	28.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4	112	Pedestrian Hardscape	UH: n/a UL: n/a FVH: n/a BVH: n/a FH: n/a BH: n/a	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>				UH: n/a UL: n/a FVH: n/a BVH: n/a FH: n/a BH: n/a	<input type="checkbox"/>	<input type="checkbox"/>
INSTALLED WATTS PAGE TOTAL:						176	Enter sum total of all pages (Sum Total INSTALLED Outdoor lighting wattage) into NRCC-LTO-01-E, page 1.		176	

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 02/16)
CERTIFICATE OF COMPLIANCE
Outdoor Lighting
Project Name: CLAY AVE - MINI PARK
Date Prepared: 3/14/2019


CALIFORNIA ENERGY COMMISSION
NRCC-LTO-01-E
(Page 4 of 4)

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.
Documentation Author Name: ERSON BOLOS
Company: BSE ENGINEERING
Address: 9903 BUSINESSPARK AVE, STE 104
City/State/Zip: SAN DIEGO, CA 92131
Signature Date: 3/14/2019
CEA Certification Identification (if applicable):
Phone: (858) 800-6000


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: ALAN BROWN
Company: BSE ENGINEERING
Address: 9903 BUSINESSPARK AVE, STE 104
City/State/Zip: SAN DIEGO, CA 92131
Signature Date: 03/14/2019
License: E13353
Phone: (858) 800-6000

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2016


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BSE PROJECT # 340-006




BSE ENGINEERING, INC.
9903 BUSINESSPARK AVE, SUITE 104
SAN DIEGO, CA 92131
TEL: 858.800.6000
FAX: 858.800.6001



SCHMIDT DESIGN GROUP

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




REGISTERED PROFESSIONAL ENGINEER
JENNIFER SCOTT
NO. C74917
CIVIL
STATE OF CALIFORNIA

CONSULTANT

SPEC. NO. 1854C

**PLANS FOR THE CONSTRUCTION OF
CLAY AVENUE MINI PARK
TITLE 24**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING & CAPITAL PROJECTS
SHEET 15 OF 26 SHEETS

APPROVED: 
FOR CITY ENGINEER
JENNIFER SCOTT
DATE: 06/17/2022
DATE: 07/4917
RCEP

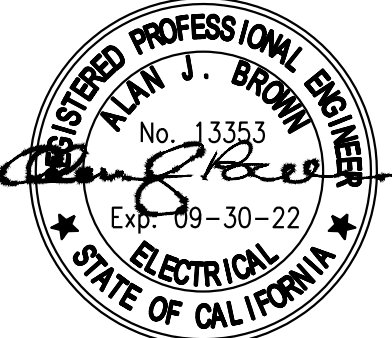
SUBMITTED BY: LYDIA MARSHALL
PROJECT MANAGER
CHECKED BY: LYDIA MARSHALL
PROJECT ENGINEER

WBS: L-16000.5

PROJECT # 17-406 - DRAWN BY: JC - CHECKED BY: BR
PLT DATE: 05.05.2022
CONTRACTOR INSPECTOR

DATE STARTED
DATE COMPLETED

194-1725
CCS27 COORDINATE
1837-6292
CCS83 COORDINATE
40621-15-D



REGISTERED PROFESSIONAL ENGINEER
ALAN J. BROWN
No. 13353
ELECTRICAL
STATE OF CALIFORNIA

5-05-22

CLAY AVENUE MINI PARK

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STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-NRCC-LTO-03-E (Revised 01/16)
CERTIFICATE OF COMPLIANCE
Outdoor Lighting Power Allowances
Project Name: CLAY AVE - MINI PARK
Date Prepared: 3/14/2019

CALIFORNIA ENERGY COMMISSION
NRCC-LTO-03-E
(Page 2 of 4)

C. ADDITIONAL "USE IT OR LOSE IT" OUTDOOR LIGHTING POWER ALLOWANCES FOR SPECIFIC APPLICATIONS

☐ The additional specific outdoor lighting power allowance shall be the smaller of the allowed lighting power or the actual lighting power used.

☐ Use Outdoor Lighting Zone (OLZ) that is documented on page 1 of NRCC-LTO-01-E to calculate the specific wattage allowances.

C-1. WATTAGE ALLOWANCE PER APPLICATION – Table 140.7-B

☐ Available only for qualifying locations, which include Building Entrances or Exits; Primary Entrances to Senior Care Facilities, Police Stations, Hospitals, Fire Stations, and Emergency Vehicle Facilities; Drive Up Windows; Vehicle Service Station Uncovered Fuel Dispenser, ATM Machine Lighting

☐ If more than one luminaire type is used per location, use multiple rows for that location

01	02	03	04	05	06	07	08	09	10
ALLOTTED WATTS			DESIGN WATTS						
Name of Location for Which Allowance is Claimed	Number of Qualifying Locations	Wattage Allowance per Qualifying Location	Allotted Watts (02 x 03)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (07 x 08)	Allowed Watts (smaller of 04 or 09)
Sum total allowance per application on this site: 0									

C-2. WATTAGE ALLOWANCE PER UNIT LENGTH (Sales Frontage) from Table 140.7-B

☐ If more than one luminaire type is used per location, use multiple rows for that location

01	02	03	04	05	06	07	08	09	10
ALLOTTED WATTS			DESIGN WATTS						
Name of Location for Which Allowance is Claimed	Linear Feet of Sales Frontage	Wattage Allowance per Linear Foot	Allotted Watts (02 x 03)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (07 x 08)	Allowed Watts (smaller of 04 or 09)
Sum total allowance for sales frontage on the site: 0									

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance
January 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-NRCC-LTO-03-E (Revised 01/16)
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Date Prepared: 3/14/2019

CALIFORNIA ENERGY COMMISSION
NRCC-LTO-03-E
(Page 3 of 4)

C-3. WATTAGE ALLOWANCE PER SQUARE FOOT OF HARDSCAPE AREA (Ornamental Lighting) – Table 140.7-B

☐ Allowance for the total site illuminated hardscape area. Luminaires qualifying for this allowance shall be rated for 100 watts or less as determined in accordance with Section 130.0(c), and shall be post-top luminaires, lanterns, pendant luminaires, or chandeliers.

☐ If more than one luminaire type is used per location, use multiple rows for that location

01	02	03	04	05	06	07	08	09	10
ALLOTTED WATTS			DESIGN WATTS						
Name of area for which ornamental allowance is claimed	Square Feet of Hardscape	Wattage Allowance per Square Foot	Allotted Watts (02 x 03)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (07 x 08)	Allowed Watts (smaller of 04 or 09)
Sum total allowance for ornamental lighting on the site: 0									

C-4. WATTAGE ALLOWANCE PER SQUARE FOOT OF SPECIFIC AREA - Table 140.7-B

☐ Allowances for Building Facades; Outdoor Sales Lots; Vehicle Service Station Hardscape; Vehicle Service Station Canopies; Sales Canopies; Non-sales Canopies; Tunnels; Guard Stations; Student Pick-up/Drop-off zone; Outdoor Dining; Special Security Lighting for Retail Parking and Pedestrian Hardscape.

☐ If more than one luminaire type is used per location, use multiple rows for that location

01	02	03	04	05	06	07	08	09	10
ALLOTTED WATTS			DESIGN WATTS						
Name of Location for Which Allowance is Claimed	Illuminated Area of Application	Wattage Allowance per square Foot	Allotted Watts (02 x 03)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (07 x 08)	Allowed Watts (smaller of 04 or 09)
Sum total allowance for specific area on the site: 0									

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance
January 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-NRCC-LTO-03-E (Revised 01/16)
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CALIFORNIA ENERGY COMMISSION
NRCC-LTO-03-E
(Page 4 of 4)

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: ERSON BOLOS
Company: BSE ENGINEERING
Address: 9903 BUSINESSPARK AVE, STE 104
City/State/Zip: SAN DIEGO, CA 92131

Documentation Author Signature: 
Signature Date: 3/14/2019
CEA Certification Identification (if applicable):
Phone: (858) 800-6000

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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

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Responsible Designer Name: ALAN BROWN
Company: BSE ENGINEERING
Address: 9903 BUSINESSPARK AVE, STE 104
City/State/Zip: SAN DIEGO, CA 92131

Responsible Designer Signature: 
Date Signed: 03/14/2019
License: E13353
Phone: (858) 800-6000

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance
January 2016

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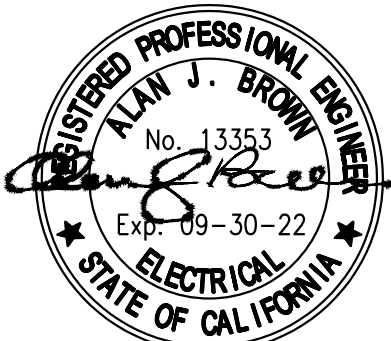


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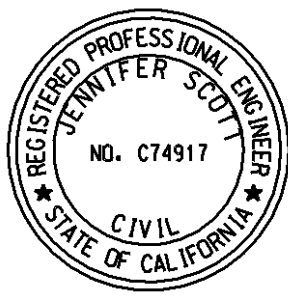

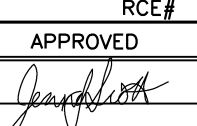
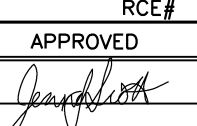
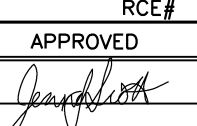
BSE PROJECT # 340-006



BSE ENGINEERING, INC.
9903 BUSINESSPARK AVE, SUITE 104
SAN DIEGO, CA 92131
TEL: 858.800.6000
FAX: 858.800.6001



5-05-22

CONSULTANT		SPEC. NO. 1854C																										
 1310 Roscomans St., Suite G, San Diego, CA 92106 619.236.1462 LIC. CA 2138 NV 219 AZ 34139 SCHMIDTDESIGN.COM	SCHMIDT DESIGN GROUP		<p>CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS SHEET 17 OF 26 SHEETS</p> <p>APPROVED:  FOR CITY ENGINEER JENNIFER SCOTT DATE: 06/17/2022 C74917 RCE</p> <table><thead><tr><th>DESCRIPTION</th><th>BY</th><th>APPROVED</th><th>DATE</th><th>FILMED</th></tr></thead><tbody><tr><td>ORIGINAL</td><td>BSE</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> <p>PROJECT # 17-406 - DRAWN BY: JC - CHECKED BY: BR PLT DATE: 05.05.2022</p> <p>CONTRACTOR INSPECTOR DATE STARTED DATE COMPLETED</p>	DESCRIPTION	BY	APPROVED	DATE	FILMED	ORIGINAL	BSE																		
DESCRIPTION	BY	APPROVED	DATE	FILMED																								
ORIGINAL	BSE																											

WBS: L-16000.5

SUBMITTED BY: LYDIA MARSHALL
PROJECT MANAGER

CHECKED BY: LYDIA MARSHALL
PROJECT ENGINEER

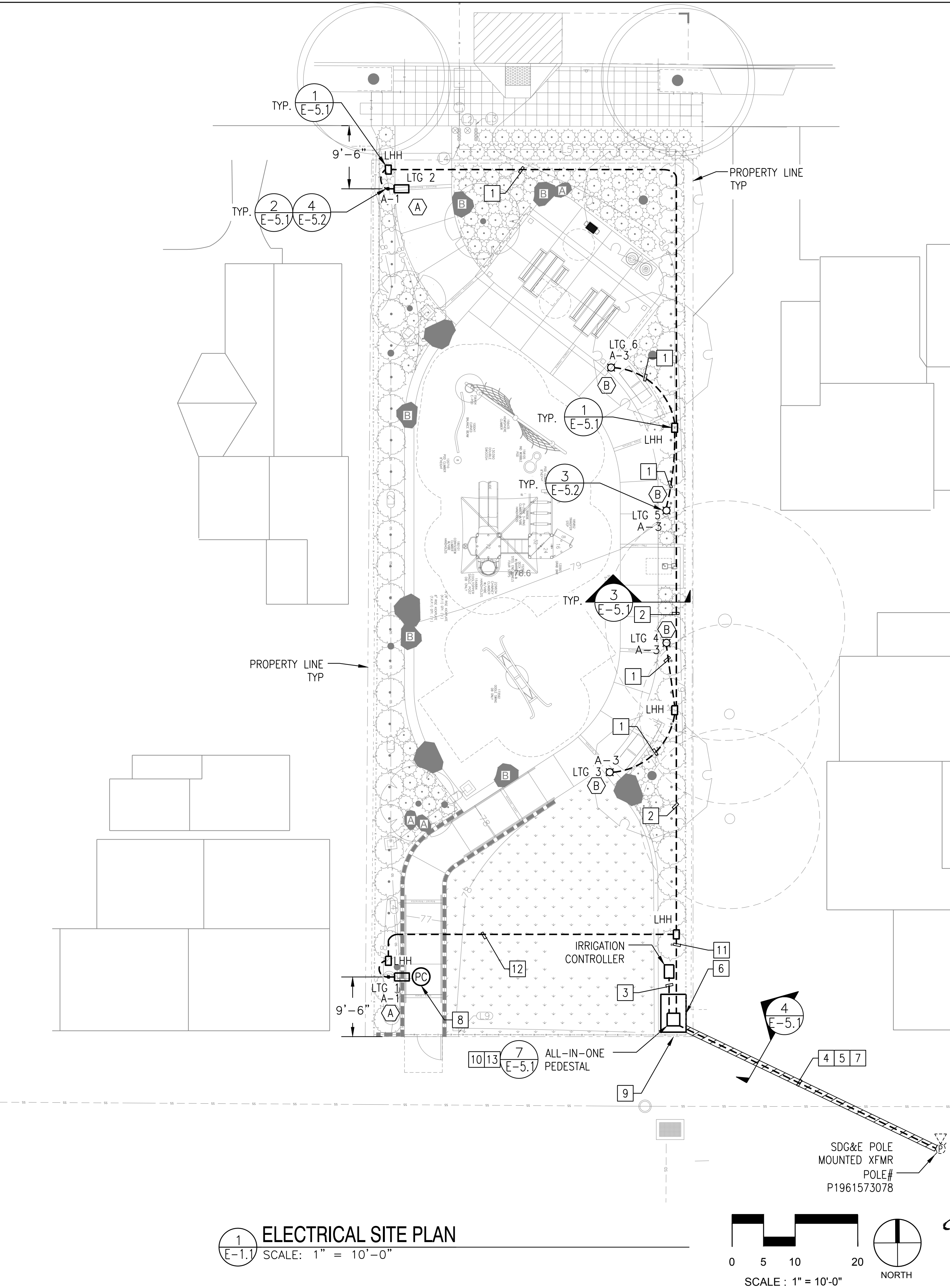
194-1725
CCS27 COORDINATE

1837-6292
CCS83 COORDINATE

40621-17-D

CLAY AVENUE MINI PARK

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VOLTAGE DROP CALCULATIONS				
	CKT	LENGTH	WIRE SIZE	VOLTAGE DROP %
LTG 1	A-1	71 FT	#12	0.08%
LTG 2	A-1	181 FT	#12	0.22%
LTG 3	A-3	62 FT	#12	0.20%
LTG 4	A-3	58 FT	#12	0.20%
LTG 5	A-3	104 FT	#12	0.29%
LTG 6	A-3	107 FT	#12	0.29%

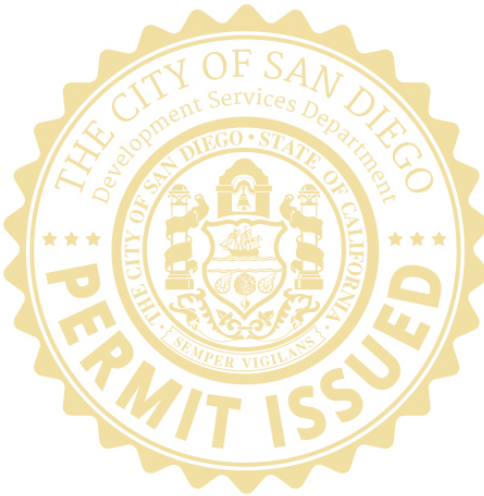
GENERAL NOTES

- REFER TO SINGLE LINE DIAGRAM, 5/E-6.1, FOR SIZES OF CABLES AND CONDUITS.
- REFER TO LUMINAIRE SCHEDULE, 4/E-6.1, FOR TYPES OF LUMINAIRES.
- PROVIDE CONDUIT SLEEVES FOR CONDUITS UNDER CONCRETE.

KEY NOTES

- TRENCH AND PROVIDE 2#12, #12G, CU, 2"C.
- TRENCH AND PROVIDE 4#12, 2#12G, CU, 2"C.
- TRENCH AND PROVIDE 2#12, #12G, CU, 2"C. TO IRRIGATION CONTROLLER. COORDINATE LOCATION AND REQUIREMENT WITH IRRIGATION PLAN.
- SAWCUT EXISTING CONCRETE FOR CONDUIT ROUTING. PATCH AND REPAIR TRENCHED AREA TO MATCH EXISTING SURFACE.
- TRENCH AND PROVIDE 3" C.O. FOR SDG&E SERVICE ENTRANCE CONDUCTOR.
- CONTRACTOR TO PROVIDE CONCRETE PAD FOR METER PEDESTAL, PER DETAIL 7/E-5.1.
- CONTRACTOR TO VERIFY SERVICE CONDUIT ROUTING WITH SDG&E.
- PROVIDE PHOTOCELL ON POLE FOR LUMINAIRES.
- CONTRACTOR TO HAND DIG UNDER BRICK WALL FOR CONDUIT ROUTING.
- PROVIDE ALL-IN-ONE PEDESTAL PER DETAIL 5/E-6.1.
- TRENCH AND PROVIDE 6#12, 3#12G, AND 3#16 CU, IN 2"C.
- TRENCH AND PROVIDE 2#12, #12G, AND 3#16 CU, IN 2"C.
- PROVIDE GROUNDING PER 5/E-5.1.

This set of plans and specifications shall be kept on the site of the structure of work at all times during which work authorized by these plans is in progress, and shall be made available to City officials upon request. It is unlawful to change, modify, or alter the approved plans and specifications without authorization of the Building Official. The stamping of these plans and specifications SHALL NOT be held to permit nor approve the violation of any City, County, State, or Federal laws, nor restrictions.



E-1.1

PLANS FOR THE CONSTRUCTION OF
CLAY AVENUE MINI PARK
ELECTRICAL SITE PLAN

BSE PROJECT # 340-006



BSE ENGINEERING, INC.
9903 BUSINESSPARK AVE, SUITE 104
SAN DIEGO, CA 92131
TEL: 858.800.6000
FAX: 858.800.6001

CONSULTANT

SPEC. NO. 1854C



**SCHMIDT
DESIGN
GROUP**

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



CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING & CAPITAL PROJECTS
SHEET 18 OF 26 SHEETS

WBS: L-16000.5

APPROVED: *Jennifer Scott* 06/17/2022
FOR CITY ENGINEER
DATE
JENNIFER SCOTT
PRINT NAME
C74917
RCE

SUBMITTED BY:
LYDIA MARSHALL
PROJECT MANAGER
CHECKED BY:
LYDIA MARSHALL
PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	BSE	<i>Jennifer Scott</i>	06/17/2022	

194-1725
CCS27 COORDINATE
1837-6292
CCS83 COORDINATE

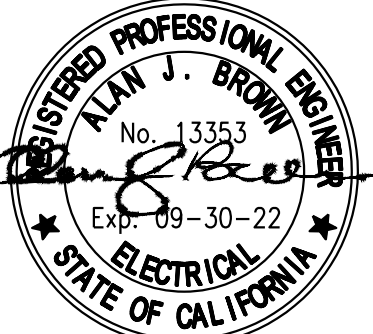
40621-18-D

PROJECT #: 17-406 - DRAWN BY: JC - CHECKED BY: BR

PLT DATE: 05.05.2022

CONTRACTOR
INSPECTOR

DATE STARTED
DATE COMPLETED



5-05-22

SDG&E POLE
MOUNTED XFMR
POLE#
P1961573078

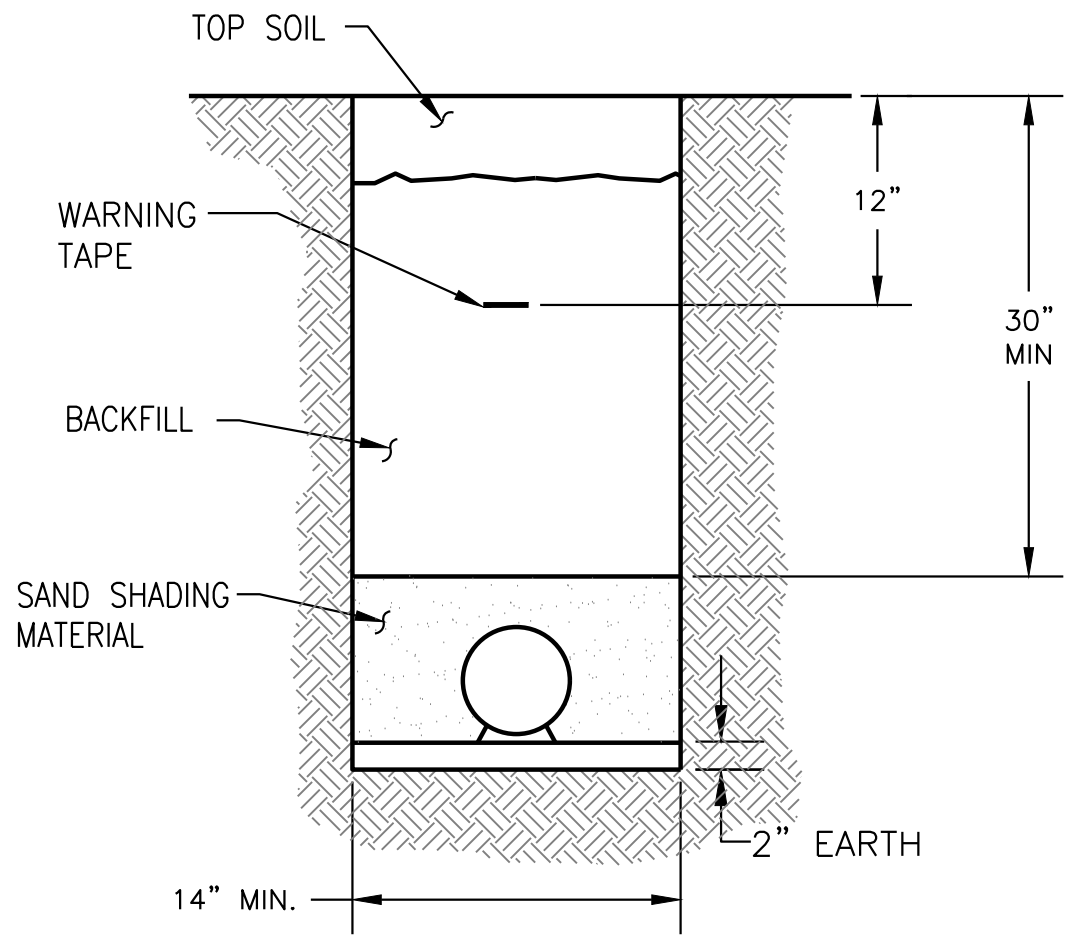


SCALE: 1" = 10'-0"

ELECTRICAL SITE PLAN
SCALE: 1" = 10'-0"

CLAY AVENUE MINI PARK

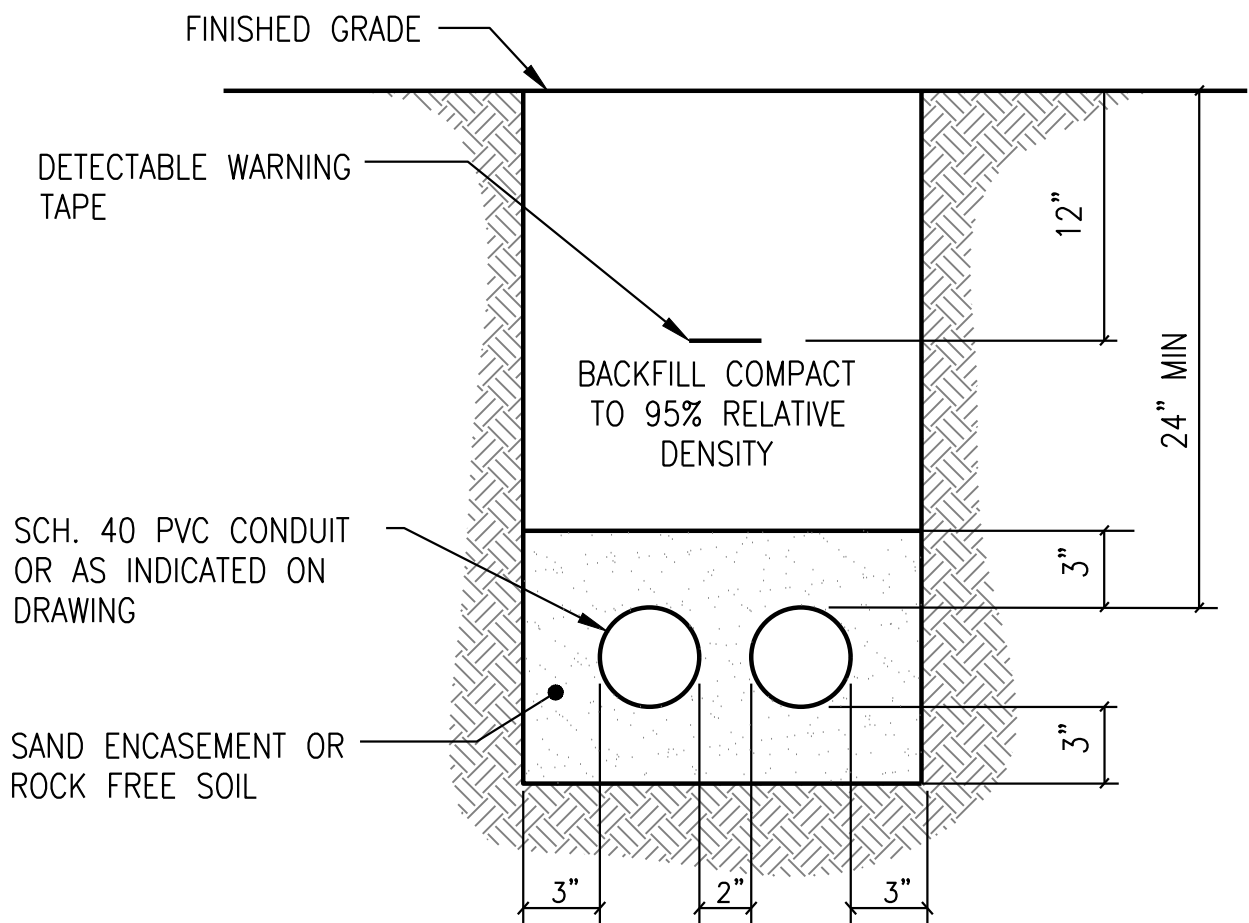
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DETAIL NOTES:

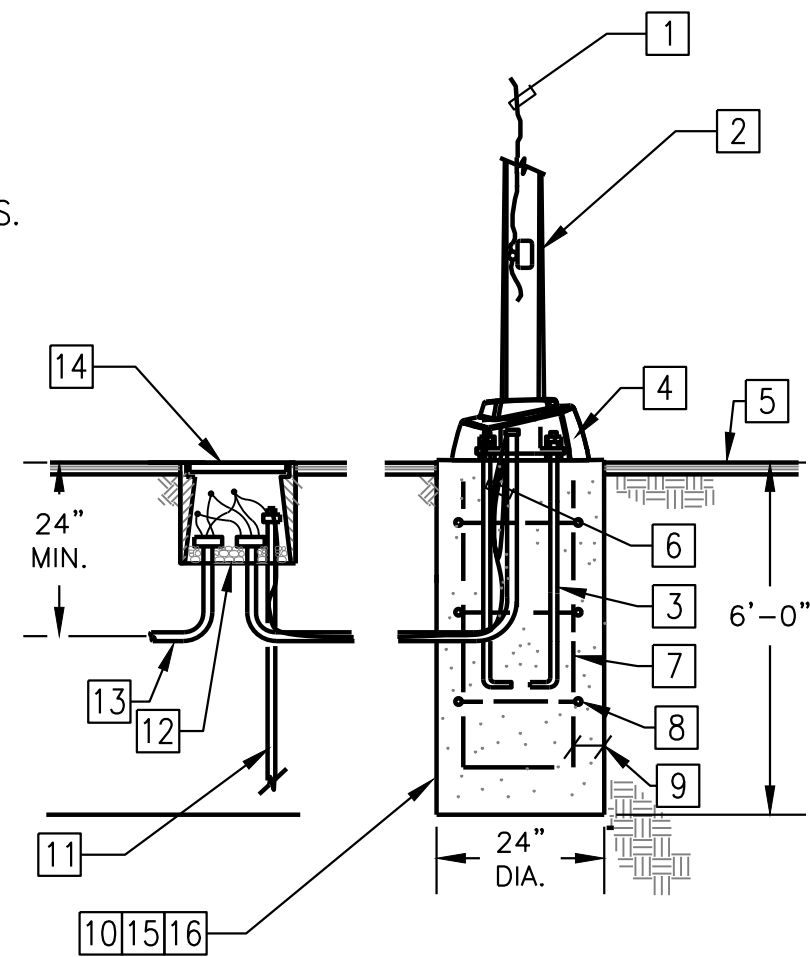
1. TRENCH CONSTRUCTED TO SDG&E STANDARDS. SEE STANDARD 3370.1.
2. ALL BASE, SHADING, AND BACKFILL MATERIAL MUST BE APPROVED BY AN SDG&E INSPECTOR.
3. DB 100 CONDUIT SHALL BE USED FOR SDG&E CONSTRUCTION. CONDUIT SIZE AND QUANTITY WILL VARY.
4. PROVIDE QUALITY OF CONDUITS PER ELECTRICAL SITE PLAN, SHEET E-1.1.

4 SDG&E DUCTBANK SECTION
E-5.1 SCALE: NOT TO SCALE

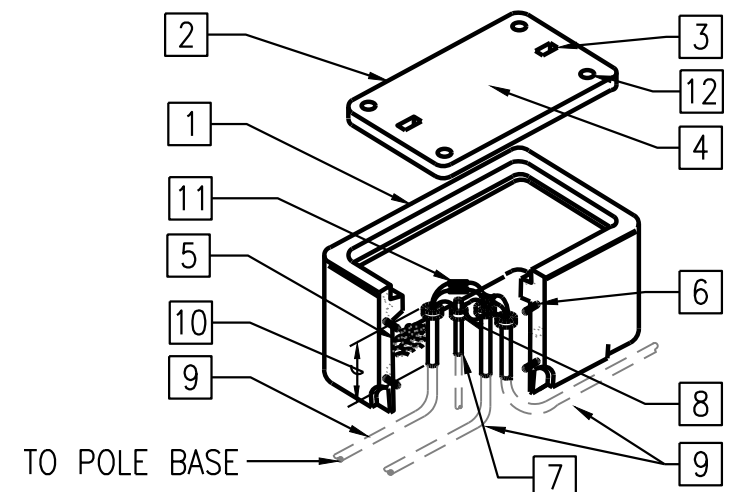


3 DUCTBANK SECTION
E-5.1 SCALE: NOT TO SCALE

- 1 #8 GROUND WIRE UP TO LUMINAIRE.
- 2 CURVED ALUMINUM POLE.
- 3 ANCHOR BOLTS. SIZE NUMBER AND PLACEMENT PER MFGRS. RECOMMENDATIONS.
- 4 BASE COVER. FINISH SHALL MATCH LUMINAIRE AND POLE.
- 5 GRADE LEVEL.
- 6 #8 BARE CU STRANDED GROUND CONDUCTOR.
- 7 #4 DEFORMED REBARS AT EACH CORNER.
- 8 #3 DEFORMED RE-BAR TIES AT 12" O/C MIN.
- 9 3" MIN.
- 10 3000 PSI CAST CONCRETE BASE AGAINST UNDISTURBED OR COMPACTED (95% MIN.) EARTH.
- 11 GROUND ROD, 3/4" DIA. X 10'-0" LONG COPPER CLAD STEEL.
- 12 3" LAYER OF CRUSHED ROCK.
- 13 CONDUIT AND CONDUCTORS AS SHOWN ON PLAN (TYP).
- 14 PULLBOX ADJACENT TO POLE BASE, SEE DETAIL 1/E-5.1.

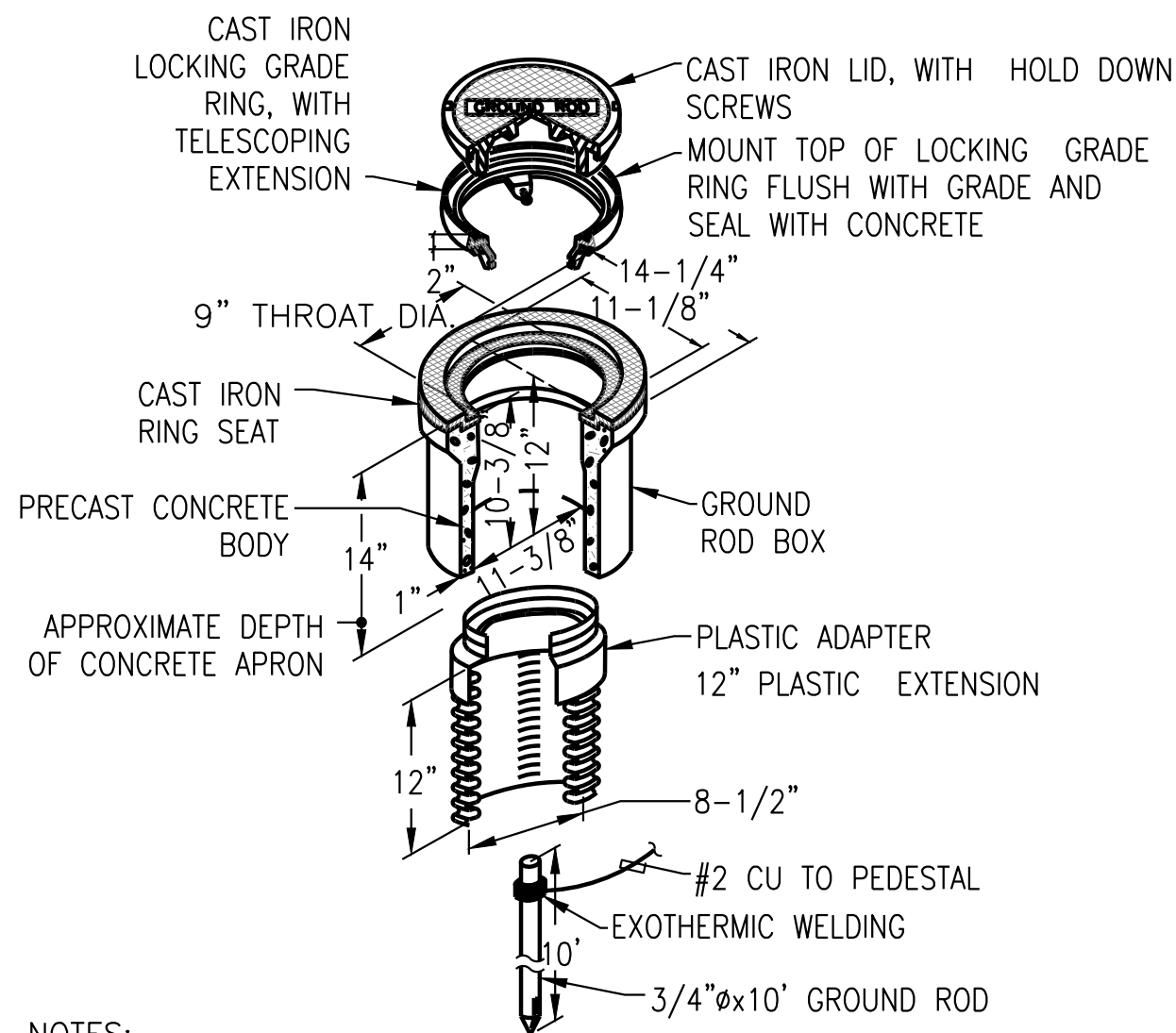


2 PEDESTRIAN LIGHTING POLE BASE DETAIL
E-5.1 SCALE: NOT TO SCALE



- 1 PRECAST CONCRETE PULLBOX. SET TOP FLUSH WITH TOP OF FINISHED GRADE, 14"x20" MIN. OUTSIDE DIMENSIONS.
- 2 CONCRETE COVER.
- 3 LIFTING EYE (2) REQUIRED (TYPICAL).
- 4 1" HIGH LETTERING, 'ELECTRICAL' OR 'LIGHTING', PERMANENTLY STAMPED ON CONCRETE COVER.
- 5 PROVIDE 6" GRAVEL FILL BELOW BOTTOM OF BOX FOR DRAINAGE.
- 6 9 GA. WELDED WIRE FRAME.
- 7 3/4" DIA. X 10'-0" COPPER-CLAD GROUND ROD.
- 8 TYPICAL GROUND CONDUCTORS SHALL BE CLAMPED TO GROUND ROD.
- 9 U.G. PVC CONDUITS, SEE SITE PLAN.
- 10 6" ABOVE TOP OF GRAVEL.
- 11 WATERPROOF 30A FUSE HOLDER ASSEMBLY WITH FUSES.
- 12 PENTAHEAD STAINLESS STEEL BOLTS REQUIRED. PROVIDE WRENCHES TO FIT PENTAHEAD BOLTS.

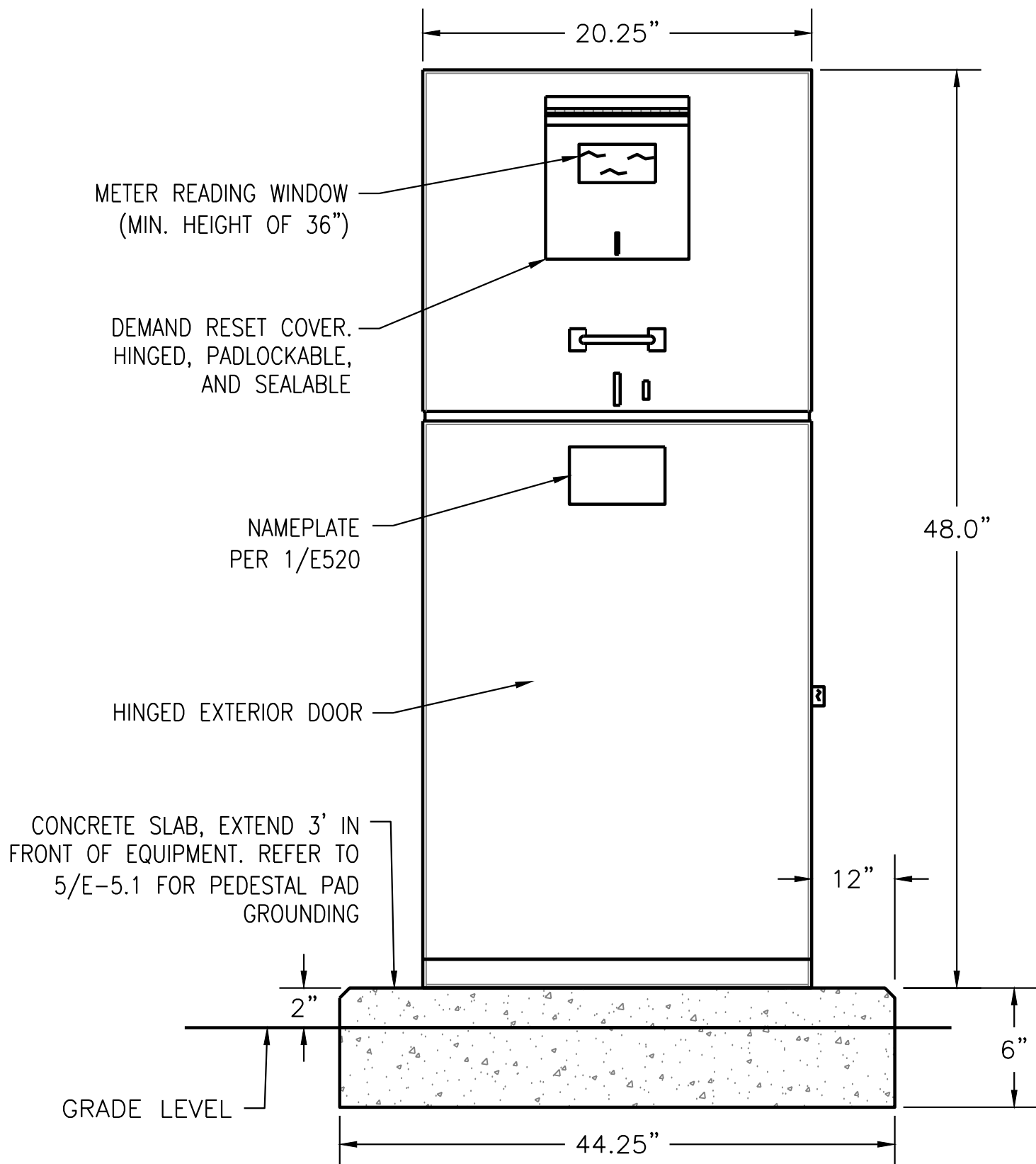
1 LIGHTING PULLBOX DETAIL
E-5.1 SCALE: NOT TO SCALE



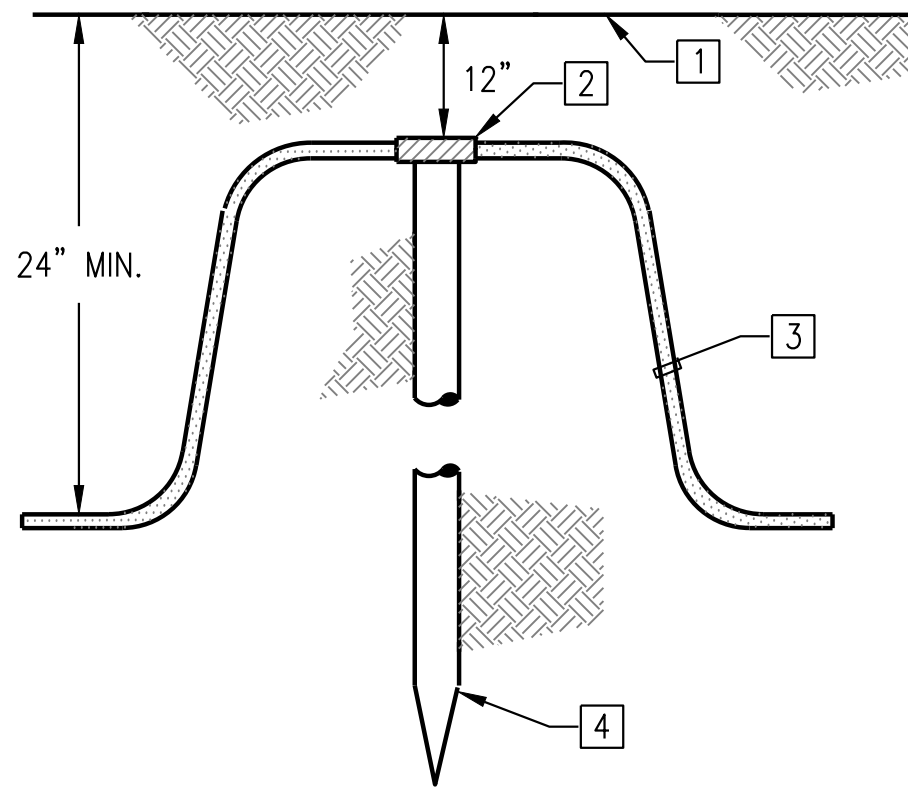
NOTES:

1. ALL DIMENSIONS ARE APPROXIMATE.
2. GROUND ROD SHALL BE MOUNTED FLUSH WITH FINISHED GRADE.

8 GROUND ROD BOX DETAIL
E-5.1 SCALE: NOT TO SCALE

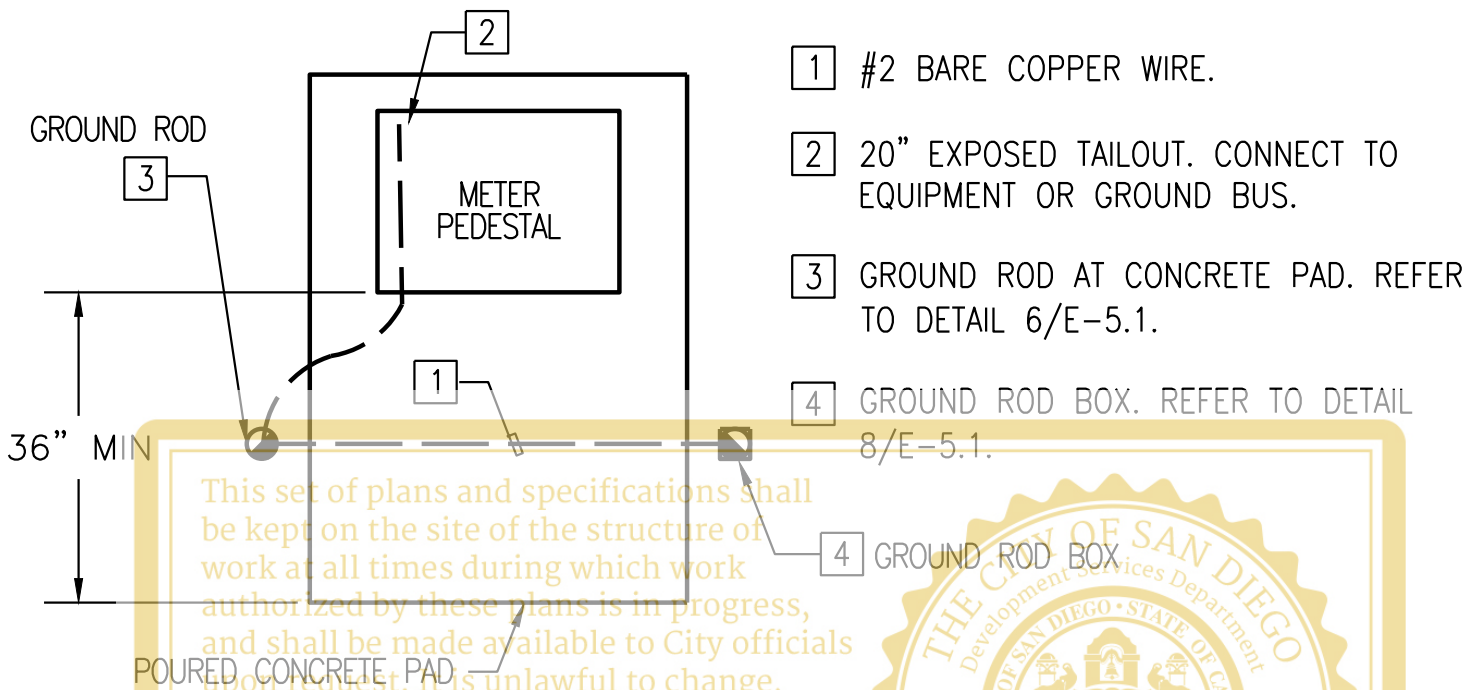


7 METERED PEDESTAL DETAIL
E-5.1 SCALE: NOT TO SCALE



- 1 FINISH GRADE.
- 2 CONNECT GROUND ROD WITH EXOTHERMIC WELD.
- 3 #2 B.C. STRANDED GROUND WIRE.
- 4 3/4" DIA. X 10' LONG COPPER CLAD GROUND ROD.

6 GROUND ROD INSTALLATION
E-5.1 SCALE: NOT TO SCALE

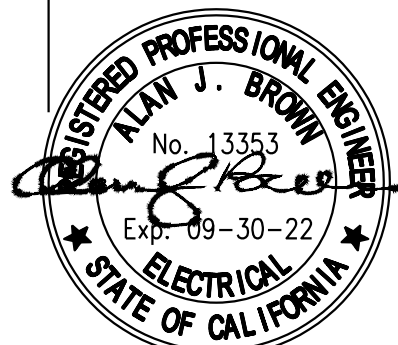


5 PEDESTAL PAD GROUNDING DETAIL
E-5.1 SCALE: NOT TO SCALE

BSE PROJECT # 340-006



BSE ENGINEERING, INC.
9903 BUSINESSPARK AVE, SUITE 104
SAN DIEGO, CA 92131
TEL: 858.800.6000
FAX: 858.800.6001

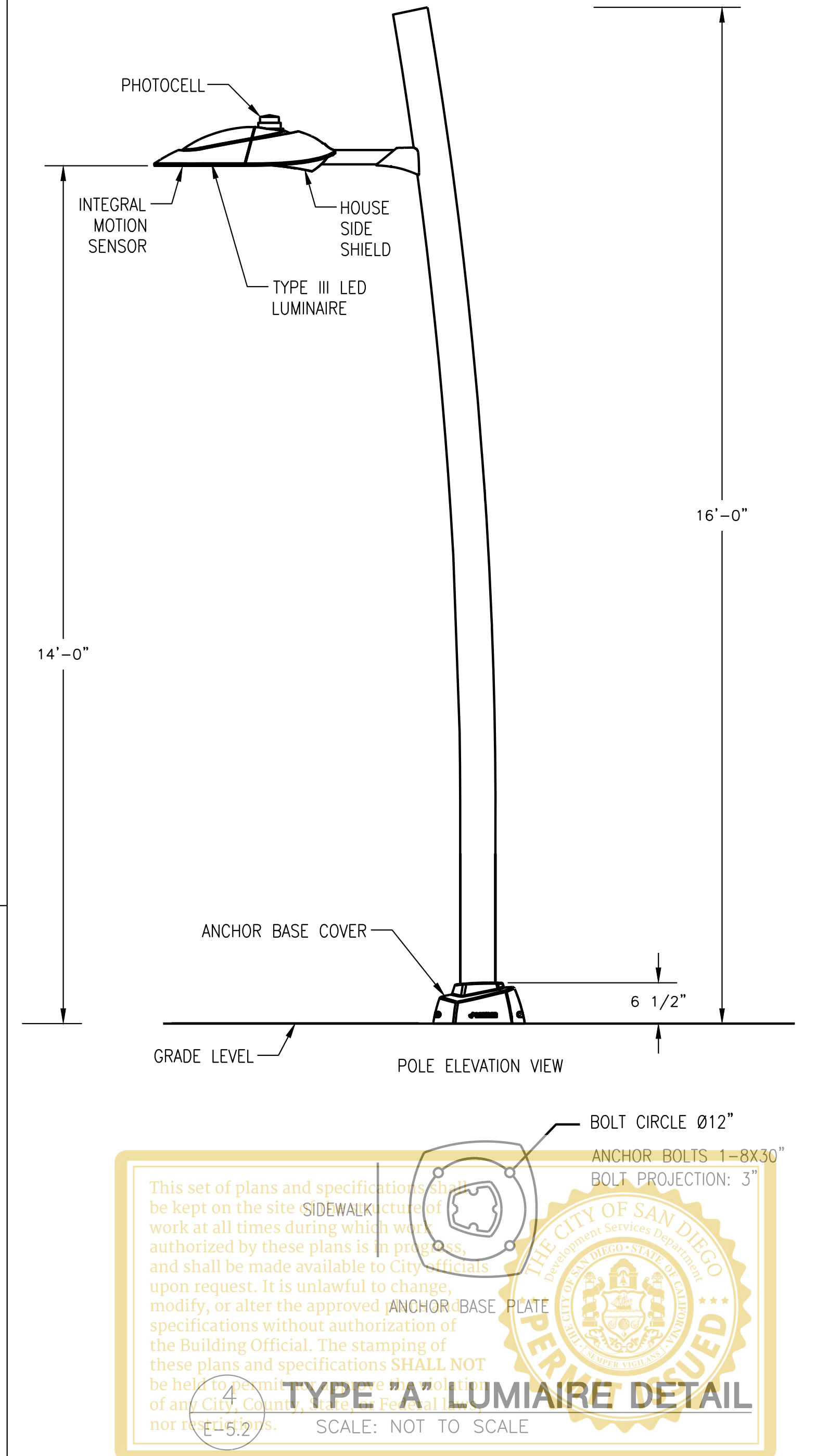


5-05-22

CONSULTANT		S
	<div>SCHMIDT DESIGN GROUP</div> <div>1310 Rosecrans St., Suite G, San Diego, CA 92106 619.236.1462 LIC. CA 2138 NV 219 AZ 34139 SCHMIDTDESIGN.COM</div>	
PROJECT # 17-406 - DRAWN BY: JC - CHECKED BY: BR		PLT DATE: 05.05.2022

PLANS FOR THE CONSTRUCTION OF CLAY AVENUE MINI PARK ELECTRICAL DETAILS			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS SHEET 19 OF 26 SHEETS		WBS L-16000.5	
APPROVED: FOR CITY ENGINEER JENNIFER SCOTT PRINT NAME		SUBMITTED BY: LYDIA MARSHALL PROJECT MANAGER	
DATE: 06/17/2022 RCE		CHECKED BY: LYDIA MARSHALL PROJECT ENGINEER	
DESCRIPTION		BY	
ORIGINAL		BSE	
APPROVED:		DATE: 06/17/2022	
FILMED		194-1725 CCS27 COORDINATE	
1837-6292 CCS83 COORDINATE		40621-19-D	

CLAY AVENUE MINI PARK



III-5.2

0621-20-D

CLAY AVENUE MINI PARK

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A									
ROOM MOUNTING FLOOR FED FROM POLE NOTE			VOLTS 240/120V 2P 3W BUS AMPS 100 NEUTRAL 100%			AIC 42,000 MAIN BKR 100 LUGS STANDARD			
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD VA		CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD VA	
			A	B				A	B
1	20/1	LIGHTING--POLE	64		2	20/1	IRRIGATION CONTROLLER	100	
3	20/1	LIGHTING--BOLLARD		112	4	20/1	TIME CLOCK		100
5	20/1	SPARE	0		6	20/1	SPARE	0	
7	20/1	SPARE		0	8	20/1	SPARE		0
9	20/1	SPARE			10	20/1	SPARE		
11	20/1	SPARE		0	12	20/1	SPARE		0
							TOTAL CONNECTED VA BY PHASE	164	212
							TOTAL CONNECTED AMPS BY PHASE	1	2
			CONN VA	CALC VA			CONN VA	CALC VA	
LIGHTING			176	220	(125%)		CONTINUOUS	100	125
LARGEST MOTOR			0	0	(N/A)		HEATING	0	0
OTHER MOTORS			0	0	(100%)		COOLING	0	0
RECEPTACLES			0	0	(50%-10)		NONCONTINUOUS	100	100
KITCHEN EQUIP			0	0	(N/A)		DIVERSE	0	0
							METERED DEMAND	0	0
							TOTAL KVA	376	445
							BALANCED AMPS	2	

1 PANEL SCHEDULE
E-6.1 SCALE: NO SCALE

VOLTAGE DROP SCHEDULE				
DEVICE	FEEDER			TOTAL VOLTAGE DROP
	WIRE SIZE	LENGTH	VOLTAGE DROP	
A	#2	73'	0.02%	0.02%

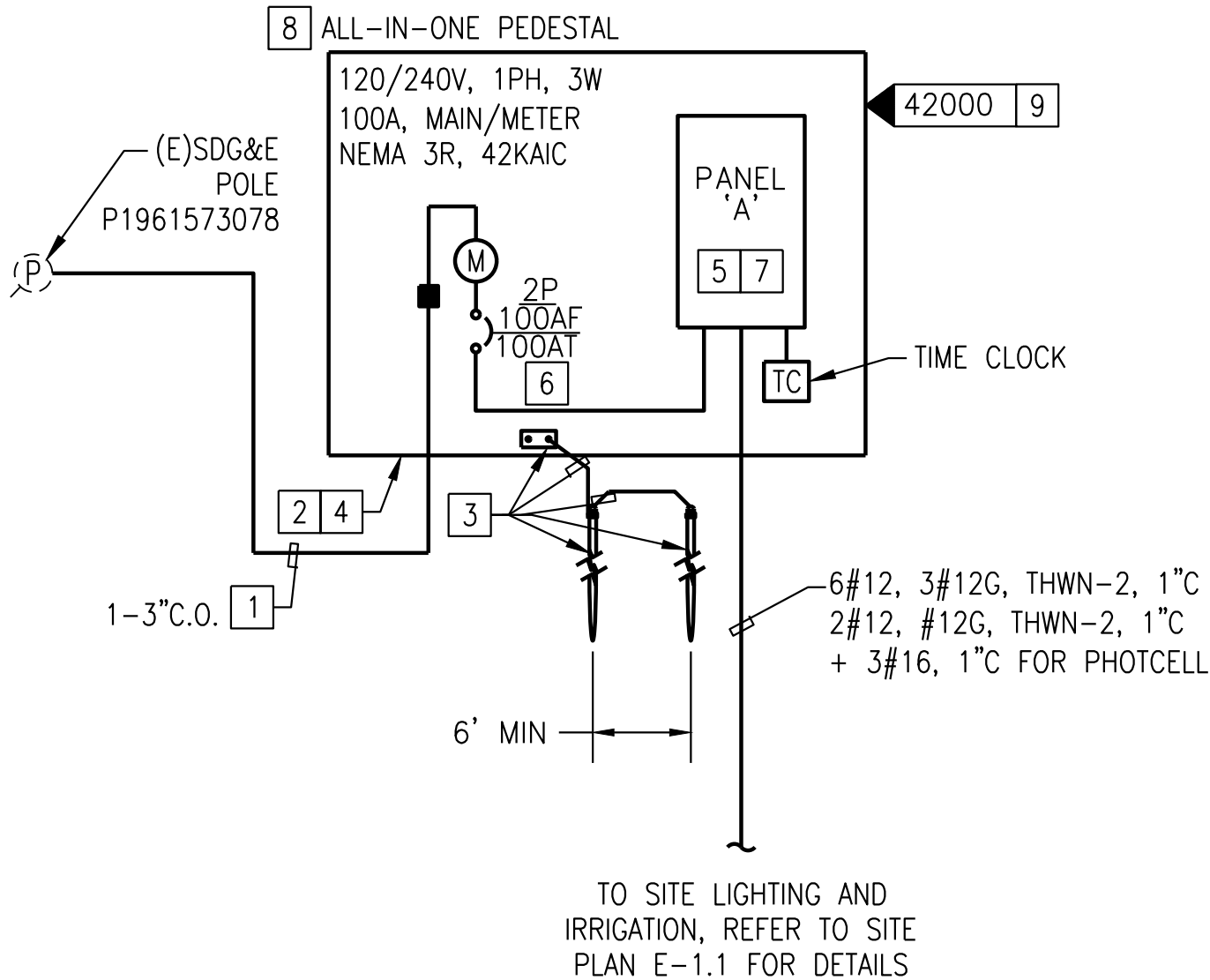
2 VOLTAGE DROP
E-6.1 SCALE: NO SCALE

FAULT CURRENT SCHEDULE					
DEVICE	FAULT	AIC RATING	FED FROM	FEEDER	
				SIZE	LENGTH
PANEL A	42,000	42,000	POLE	#2	73'

3 SHORT CIRCUIT CALCULATION
E-6.1 SCALE: NO SCALE

LUMINAIRE SCHEDULE											
TYPE	LUMINAIRE			VOLTS	QTY.	LAMPS		WATTS	MOUNTING		
	INCAN	FLUOR	HID			TYPE			REC'D	BOLLARD	POLE
A			X	120	1	32W 4000K MIN 3400 LUMENS		30W			X
B			X	120	1	28W 3500K MIN 760 LUMENS		28W	X		
DESCRIPTION											
POLE MOUNTED TYPE III LED LUMINAIRE WITH DIE CAST ALUMINUM HOUSING AND NON-VISIBLE PASSIVE HEATSINK. HIGH VISUAL APPEAL AND INDIVIDUAL POLYCARBONATE LENSED LED OPTICS WITH HOUSE SIDE SHIELD. BRONZE POWDER PAINT FINISH. UL LISTED FOR WET LOCATION, PHOTOCCELL, INTEGRAL MOTION SENSOR.											
16 FT CURVED ALUMINIUM POLE, ONE-PIECE ALUMINIUM BASE. BRONZE POWDER PAINT FINISH.											
MANUFACTURER AND CATALOG NUMBER											
LUMCA LIGHTING OL30 18LED05 30W 120V L3FL 40K TRP7 MS-24M HSS BE											
POLE: LUMCA LIGHTING TG06C-16 CAP-TG06 WB20 BE											
ARCHITECTURAL AREA LIGHTING CB9R 42 CO DOME 27LED WW											
DEGREE HOUSE SIDE SHIELD. BRONZE POWDER PAINT FINISH. UL LISTED FOR WET LOCATION.											

4 LUMINAIRE SCHEDULE
E-6.1 SCALE: NO SCALE



5 SINGLE LINE DIAGRAM
E-6.1 SCALE: NO SCALE

KEY NOTES

- 1 SERVICE ENTRANCE CONDUCTORS SHALL BE FURNISHED AND INSTALLED BY SDG&E.
- 2 PROVIDE 120/240V, 1 PHASE, 3 WIRE 100 AMP "ALL IN ONE" METER/PANEL PEDESTAL. MAIN CIRCUIT BREAKER SHALL BE SERIES RATED. PANEL SHALL HAVE INTEGRAL ASTRONOMICAL TIMECLOCK WITH BATTERY BACKUP FOR TIMECLOCK MEMORY, AND LIGHTING CONTACTOR. SEE LIGHTING CONTROL WIRING DIAGRAM, REFER TO 2/E-5.2. CABINET SHALL BE NEMA 3R RATED.,
- 3 PROVIDE #2 COPPER BARE STRANDED GROUND WIRE AND 3/4" X 10' COPPER CLAD STEEL GROUND ROD.
- 4 ELECTRICAL SERVICE EQUIPMENT SHALL HAVE MINIMUM AIC RATING OF 42,000 AMPS.
- 5 OVERCURRENT DEVICE ENCLOSURES SHALL BE IDENTIFIED LABELED IN ACCORDANCE WITH NEC 110.22.
- 6 LABEL CIRCUIT BREAKER AS SERVICE DISCONNECTING MEANS IN ACCORDANCE WITH NEC 230.70(B).
- 7 REFER TO 1/E-6.1 FOR PANEL SCHEDULE.
- 8 PROVIDE NAMEPLATE PER DETAIL 1/E-5.2.
- 9 UTILITY MAX AVAILABLE FAULT CURRENT.
- 10 PROVIDE CIRCUIT BREAKER FOR PROPOSED BOLLARD TIME CLOCK.

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E-6.1

PLANS FOR THE CONSTRUCTION OF
CLAY AVENUE MINI PARK
SINGLE LINE DIAGRAM, CALCULATIONS AND
SCHEDULES

BSE PROJECT # 340-006



BSE ENGINEERING, INC.
9903 BUSINESSPARK AVE, SUITE 104
SAN DIEGO, CA 92131
TEL: 858.800.6000
FAX: 858.800.6001

CONSULTANT

SPEC. NO. 1864C



**SCHMIDT
DESIGN
GROUP**

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



CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING & CAPITAL PROJECTS
SHEET 21 OF 26 SHEETS

WBS L-16000.5

APPROVED: *Jennifer Scott*
FOR CITY ENGINEER
JENNIFER SCOTT
DATE: 06/17/2022
C74917
RCE

SUBMITTED BY:
LYDIA MARSHALL
PROJECT MANAGER
CHECKED BY:
LYDIA MARSHALL
PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	BSE	<i>Jennifer Scott</i>		

194-1725
CCS27 COORDINATE
1837-6292
CCS83 COORDINATE

5-05-22

PROJECT #: 17-406 - DRAWN BY: JC - CHECKED BY: BR

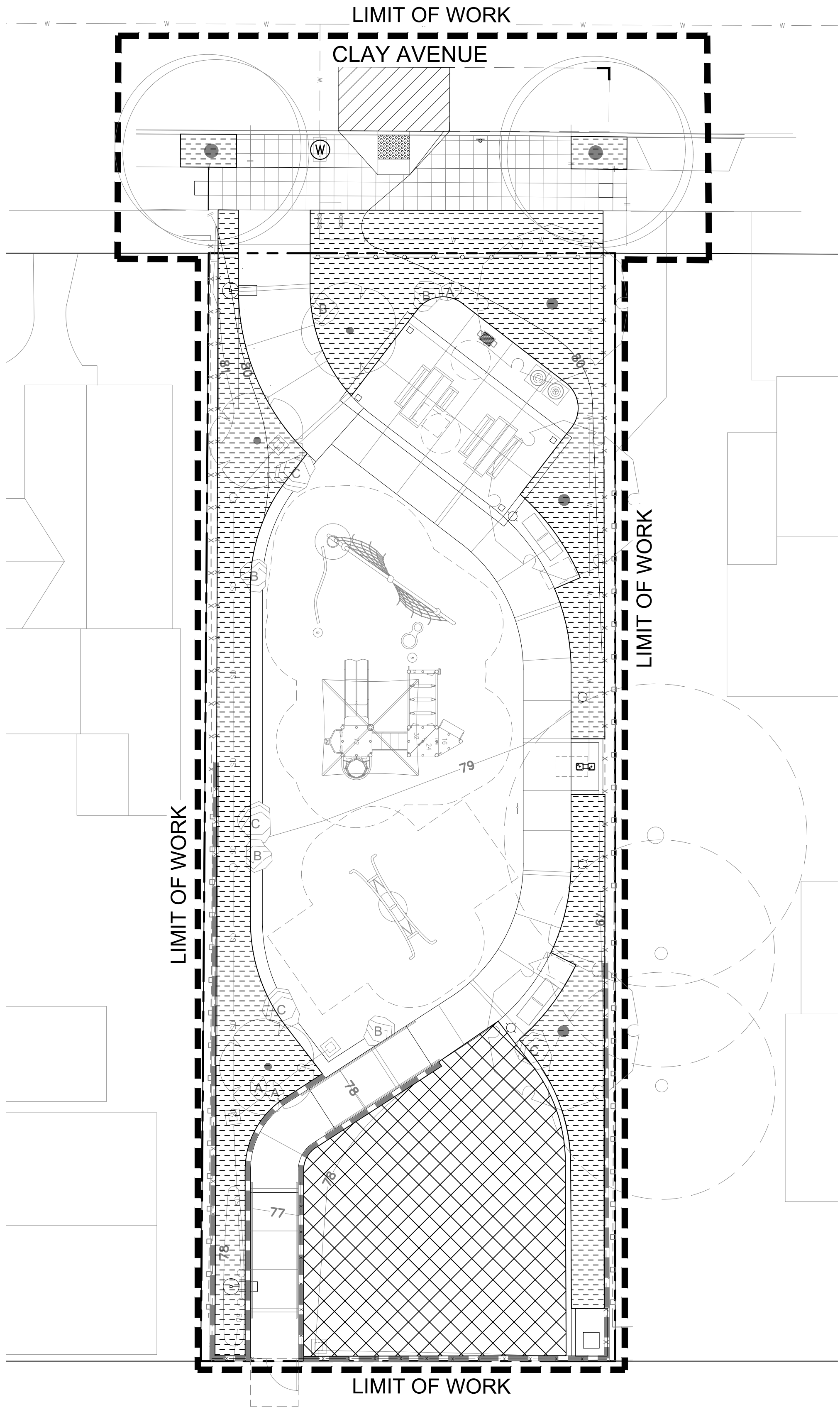
PLT DATE: 05.05.2022

CONTRACTOR
INSPECTOR

DATE STARTED
DATE COMPLETED

40621-21-D

CLAY AVENUE MINI PARK



State of CA Model Water Efficient Landscape Ordinance (MWELO)

Project Name: Clay Avenue Mini Park
2015 Executive Order EO B-29-15 MWELO (Updated ETWU) - PROJECT WATER USE ANALYSIS

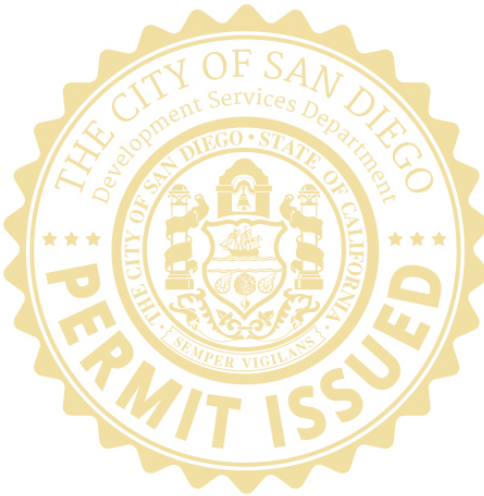
Description	MAWA	ETWU	Very Low Water Use - Synthetic		Moderate Water Use		Low Water Use		Total Usage
Total Landscape Area (Square Feet)	3,120	Hydrozone Area S.F. (HA)		0		2,000		0	2,000 SqFt
Special Landscape Area (SLA)	1,120	SLA Hydro Area		1,120		N/A		N/A	1,120 SqFt
Irrigation Efficiency (IE)	NA	Irrigation Efficiency (IE)	Irr. Type	0.75	Irr. Type	0.75	Irr. Type	0.75	
Reference Evapotranspiration (Eto)	46.60	Ref ET (Eto)		46.60		46.60		46.60	
Plant Factor (PF) - H= 8/7, M= 6/5, L= 4/3, VL= 2/1	NA	Plant Factor (PF)		0.1		0.5		0.2	
ET Adjustment Factor (ETAF) for non residential projects	0.45	ETAF (PF/IE)		0.13		0.67		0.27	
Conversation Factor (Inches to Gallons)	0.62	Conversation Factor (ETAF x Area)		0.62		0.62		0.62	
Eto x .62 x [(ETAF x Land Area) + ((1-ETAF) x SLA)]	58,361.8	Eto x .62 x (ETAF x Area)		0.00		1,333.33		0.00	1,333.3 SqFt
		ETo x 0.62 x (SLA Area)		0		38,523		0	38,522.7 Gal/Yr
				0.00		0.00		0.00	0.0 Gal/Yr
Total Gallons Per Year	58,361.8	38,522.7							38,522.7 Gal/Yr
		Project Average ETAF		0.67					

Anticipated evapotranspiration rates for the site are based on historical averages. IE = All overhead spray = 0.75; Subsurface irrigation such as Bubblers and Drip = 0.81
This data is collected from C.I.M.I.S.(California Irrigation Management Information System) Data from the C.I.M.I.S Station # 184 was used.

SITE MAP LEGEND

SYMBOL	DESCRIPTION
(W)	EXISTING 1-1/2" POTABLE WATER METER
---	LIMIT OF WORK
[Pattern]	MODERATE WATER USE - 2,000 SQ FT
[Pattern]	SYNTHETIC TURF - 1,120 SQ FT

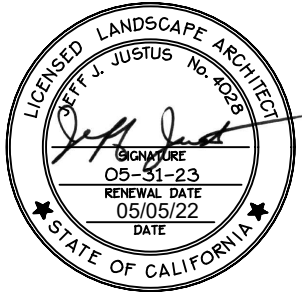
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LI-0.1

PLANS FOR THE CONSTRUCTION OF
CLAY AVENUE MINI PARK
IRRIGATION WATER USE

CONSULTANT		CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS SHEET 24 OF 26 SHEETS		WBS L-16000.5	
 1310 Roscomans St., Suite G, San Diego, CA 92106 619.236.1462 LIC. CA 2138 NV 219 AZ 34139 SCHMIDTDESIGN.COM				SUBMITTED BY: LYDIA MARSHALL PROJECT MANAGER CHECKED BY: LYDIA MARSHALL PROJECT ENGINEER	
PROJECT #: 17-406 - DRAWN BY: JF - CHECKED BY: JJ		DATE STARTED: 06/17/2022 DATE COMPLETED: 06/17/2022		194-1725 CCS27 COORDINATE 1837-6292 CCS83 COORDINATE	
PLT DATE: 05.05.2021		CONTRACTOR INSPECTOR		40621-24-D	

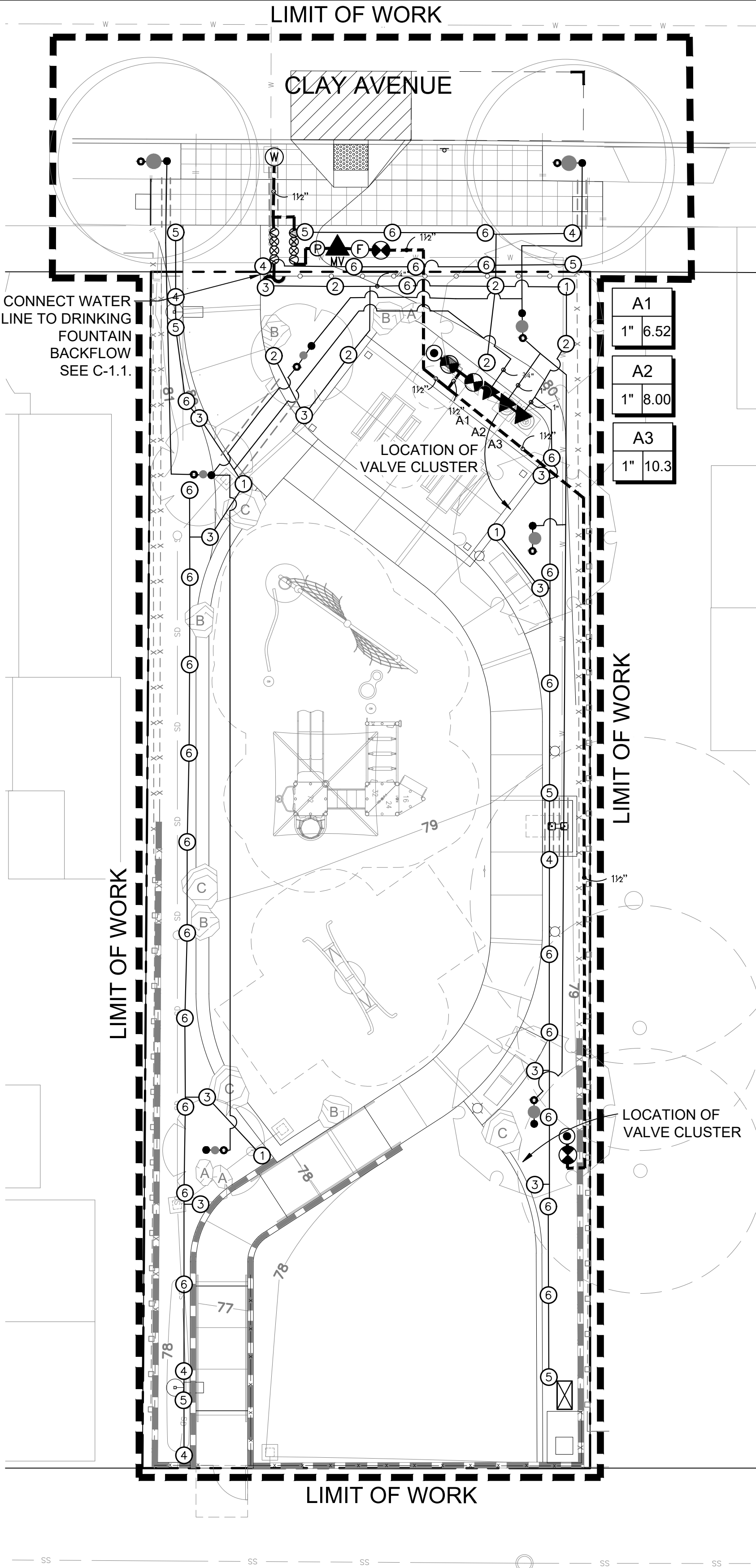


CLAY AVENUE MINI PARK

IRRIGATION NOTES:

- THE IRRIGATION SYSTEM DESIGN IS BASED ON AN AVAILABLE WATER PRESSURE OF 116 PSI AT CITY SERVICE. CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION AND REPORT ANY DIFFERENCES TO THE CITY OF SAN DIEGO.
- THE IRRIGATION SYSTEM IS SHOWN DIAGRAMMATICALLY FOR CLARITY. LOCATE ALL PIPING, VALVES, BACKFLOW PREVENTER, AND OTHER IRRIGATION EQUIPMENT WITHIN PLANTING AREAS. UNLESS NOTED OR DIRECTED OTHERWISE.
- 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 OWNER 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.
- PROVIDE PULL BOXES FOR CONTROL WIRING LOCATED UNDER PAVING 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND/OR VERIFYING THE AVAILABLE 120-VOLT POWER SOURCE FOR THE CONTROLLER IN THE AREA SHOWN ON THE PLANS. SHOULD A POWER SOURCE NOT BE AVAILABLE IN THE LOCATION SHOWN, THEN THE CONTRACTOR SHALL PROMPTLY NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO PROCEEDING WITH INSTALLATION.
- ALL PIPING AND WIRING UNDER ROADWAYS AND PAVING AND THROUGH WALLS SHALL BE SLEEVED.
- USE TWO WRAPS OF THREE-QUARTER INCH (3/4") TEFLON TAPE FOR ALL THREADED VALVE CONNECTIONS.
- AUTOMATIC IRRIGATION CONTROLLER IS TO BE SUPPLIED AND INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTION OF FIELD WIRES TO APPROPRIATE TERMINAL STRIPS.
- THE CONTROLLER FOR THIS SYSTEM IS TO BE A PRE-ASSEMBED UNIT AS SPECIFIED IN THE LEGEND. PRIOR TO THE FINAL WALK THROUGH, THE CONTRACTOR SHALL CONTACT THE PRE-ASSEMBLER AND ARRANGE FOR THEIR REPRESENTATIVE TO APPROVE THE INSTALLATION AND PROVIDE IN WRITING THAT THE INSTALLATION HAS MET THEIR SPECIFICATIONS.
- ADJUST ALL SPRINKLERS TO AVOID OVERSPRAY ONTO WALLS, WALKS, STREETS, UTILITY BOXES, BUILDINGS AND OTHER IMPROVEMENTS.
- ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO THE FINISH GRADE OF THE AREA. TO BE IRRIGATED UNLESS OTHERWISE DESIGNED ON THE PLANS.
- INSTALL FIXED ARC NOZZLES WHENEVER POSSIBLE. VARIABLE ARC NOZZLES SHALL ONLY BE USED IN AREAS WHERE FIXED ARC NOZZLES CANNOT ACHIEVE EFFECTIVE COVERAGE OR CAUSE EXCESSIVE OVERSPRAY. DURING THE FINAL CLOSEOUT PROCEDURES, NOZZLE CHANGES MAY BE REQUESTED AT NO ADDITIONAL EXPENSE TO THE OWNER.
- CONTRACTOR SHALL INSTALL IN-LINE ANTI-DRAIN VALVES AS WARRANTED BY SITE CONDITIONS TO ALLEVIATE LOW HEAD DRAINAGE.
- 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 LANDSCAPE ARCHITECT. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REVISIONS NECESSARY.
- SHOULD THE CONTRACTOR MAKE NOZZLE CHANGES OR ADD HEADS AS A RESULT OF SITE OBSTACLES OR CONSTRUCTION CHANGES, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATION AND ADJUSTMENTS IN PIPE SIZES. IN NO CASE SHALL FLOW VELOCITIES EXCEED 5 FEET PER SECOND.
- 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.
- INSTALL IRRIGATION HEADS IN TURF AREAS 1" FROM WALKS AND HARDSCAPE AREAS.
- LATERAL LINE END RUNS SHALL BE 3/4" UNLESS OTHERWISE NOTED.
- ALL CONTROL VALVES SHALL BE MANIFOLDED AND GROUPED IN ONE AREA SHOWN ON PLAN. VALVES SHALL BE SET AT RIGHT ANGLES TO EDGES. INSTALL VALVES BOXES 6" FROM EDGES OF HARDSCAPE AREAS.
- CONTRACTOR SHALL REMOVE AND DISCARD DAILY, ALL PIPING DISTURBED DURING TRENCHING OPERATION.
- CONTRACTOR SHALL REVIEW IRRIGATION SPECIFICATIONS PRIOR TO BEGINNING WORK. REFER TO TECHNICAL SPECIFICATIONS AND CONSTRUCTION DETAILS FOR INSTALLATION PROCEDURES.
- 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.
REMOTE CONTROL VALVE BOXES SHALL BE LABELED "RCV"
BALL VALVE BOXES "BV"
- ALL BOLTS FOR LOCKING VALVE BOX LIDS SHALL BE STAINLESS STEEL.
- CONTRACTOR SHALL FLUSH ALL MAINLINES PRIOR TO INSTALLATION OF VALVES AND ALL LATERAL LINES PRIOR TO INSTALLATION OF HEADS.
- CONTRACTOR SHALL CONTACT CITY OF SAN DIEGO INSPECTOR PRIOR TO ANY TRENCHING OPERATIONS.
- PROVIDE CONCRETE THRUST BLOCKS ON ALL MAINLINES 2-1/2" AND GREATER, PER DETAIL AND SPECIFICATIONS. THE CITY OF SAN DIEGO INSPECTION DEPARTMENT SHALL BE NOTIFIED 48 HOURS (2 WORKING DAYS) PRIOR TO THE START OF CONSTRUCTION. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.
- NO LOW HEAD DRAINAGE IS ALLOWED. ANY DRAINAGE OBSERVED SHALL BE CORRECTED BY INSTALLING A SPRING CHECK VALVE DIRECTLY UNDER SPRINKLERS AND/OR IN LINE EVERY 10' OF VERTICAL ELEVATION CHANGE.

IRRIGATION DESIGN IS BASED UPON A MAXIMUM OPERATING PRESSURE OF 116 PSI WITH A MAXIMUM DEMAND OF 30 GPM AT THE POINT OF CONNECTION.
WATER COMPANY: CITY OF SAN DIEGO
PHONE NUMBER: (619) 515-3500



VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	PSI	PSI @ POC	PRECIP
A1	RAIN BIRD EFB-CP	1"	SHRUB ROTARY	6.52	32.86	50.46	0.93 in/h
A2	RAIN BIRD EFB-CP	1"	BUBBLER	8.00	30.81	48.44	2.76 in/h
A3	RAIN BIRD EFB-CP	1"	SHRUB ROTARY	10.33	30.87	48.5	0.91 in/h

IRRIGATION SCHEDULE:

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	GPM	RADIUS	DETAIL	SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL
①	HUNTER MP1000 PROS-12-PRS40-CV SHRUB ROTATOR, 12" POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. (1/4)	30	0.17	12'	SDI-103	▲	RAIN BIRD EFB-CP 1", 1-1/2", 2" BRASS REMOTE CONTROL VALVE, THAT IS CONTAMINATION PROOF WITH SELF-FLUSHING FILTER SCREEN. GLOBE CONFIGURATION.	SDI-114 SDI-126
②	HUNTER MP1000 PROS-12-PRS40-CV SHRUB ROTATOR, 12" POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. (1/2)	30	0.34	12'		●	RAIN BIRD 44-LRC 1" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, AND 2-PIECE BODY.	SDI-105 SDI-126
③	HUNTER MP CORNER PROS-12-PRS40-CV SHRUB ROTATOR, 12" POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. (CORNER)	30	0.17	12'		⊗	NIBCO T-211-YK GLOBE SHUT OFF VALVE NIBCO OR APPROVED EQUAL. CLASS 150 BRONZE. SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION. LINE SIZE; RANGE- 1"-2 1/2".	SDI-106 SDI-126
④	HUNTER MP STRIP PROS-12-PRS40-CV SHRUB ROTATOR, 12" POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. (LEFT)	30	0.19	4'x14'		▲ MV	GRISWOLD 2160HE 1" 1" SOLENOID, NORMALLY OPEN MASTER VALVE. EPOXY COATING. CAST IRON AND BRONZE MATERIAL. NPT END CONNECTION.	SDI-111
⑤	HUNTER MP STRIP PROS-12-PRS40-CV SHRUB ROTATOR, 12" POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. (RIGHT)	30	0.19	4'x14'		Ⓟ	WILKINS 610XL PRESSURE REDUCING VALVE 1" WILKINS 600 SERIES PRESSURE REGULATOR WITH FNPT UNION OR APPROVED EQUAL. CONTRACTOR TO SET REGULATOR AT 65 PSI AND ADJUST AS NEEDED.	
⑥	HUNTER MP STRIP PROS-12-PRS40-CV SHRUB ROTATOR, 12" POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. (CENTER)	30	0.38	4'x28'		⊗	FEBCO 825YA 1" REDUCED PRESSURE BACKFLOW PREVENTER IN SMOOTH TOUCH STAINLESS STEEL ENCLOSURE.	SDW-155
●	RAIN BIRD RWS-M-B-C-SOCK MINI ROOT WATERING SYSTEM WITH 4.0" DIAMETER X 18.0" LONG WITH LOCKING GRATE, SEMI-RIGID MESH TUBE AND RAIN BIRD 1402 0.5 GPM BUBBLER. WITH CHECK VALVE, AND SAND SOCK FOR SANDY SOIL.	30	0.50	3'	SDI-104	⊠	IRRITROL MC-4-E COMMERCIAL CONTROLLER WITH ICA6-RB3-8/SP/RSE/IQ-GPRS-1/IFS-220C STAINLESS STEEL ENCLOSURE AND RAIN SENSOR INTEGRATED. AVAILABLE THROUGH GREEN PRODUCT SALES (GPS) OR APPROVED EQUAL. REP: DARYL GREEN, PH: (949) 584-7311.	SDI-117
●	HUNTER PROS-04-CV-MSBN MULTI-STREAM BUBBLER, 4" POP-UP, FACTORY INSTALLED DRAIN CHECK VALVE, 50=0.5GPM.	30	0.50	3'	SDI-103	Ⓟ	1" BADGER MODEL IR-220P	SDI-112
							IRRIGATION LATERAL LINE: PVC SCHEDULE 40 MIN. 3/4" UNLESS INDICATED OTHERWISE.	SDI-110

CRITICAL ANALYSIS

P.O.C. NUMBER: 01

Water Source Information:

FLOW AVAILABLE

Water Meter Size:	1-1/2"
Flow Available:	40.32 gpi

PRESSURE AVAILABLE

Static Pressure at POC:	116.00 P
Elevation Change:	5.00 ft
Service Line Size:	1 1/2"
Length of Service Line:	20.00 ft
Pressure Available:	112.00 ps

DESIGN ANALYSIS

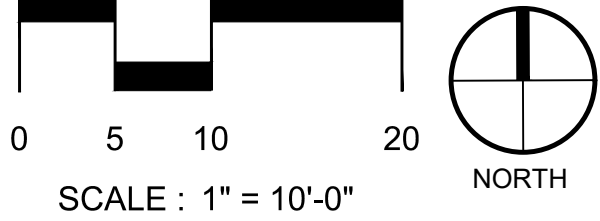
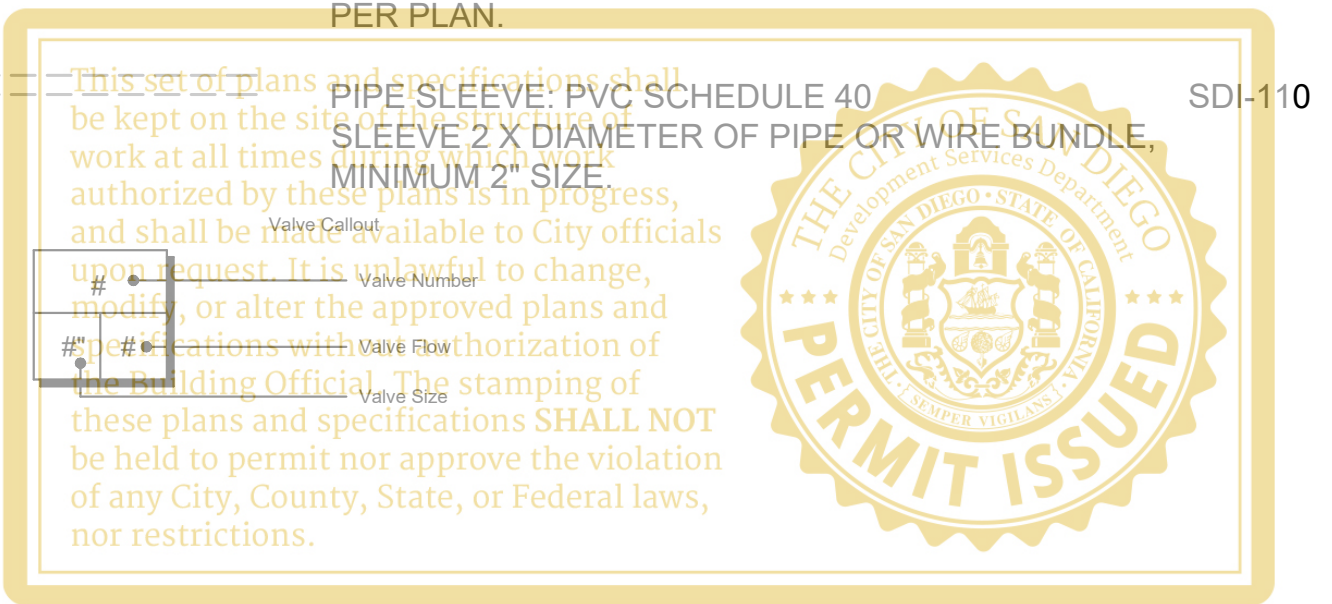
Maximum Multi-valve Flow:	30.00 gpi
Flow Available at POC:	40.32 gpi
Residual Flow Available:	10.32 gpi

Critical Station:

Design Pressure:	30.00 psi
Friction Loss:	3.07 psi
Fittings Loss:	0.30 psi
Elevation Loss:	-0.87 psi
Loss through Valve:	0.35 psi
Pressure Req. at Critical Station:	32.87 psi
Loss for Fittings:	0.09 psi
Loss for Main Line:	0.95 psi
Loss for POC to Valve Elevation:	0.00 psi
Loss for Backflow:	11.39 psi
Loss for Master Valve:	3.36 psi
Loss for Water Meter:	1.80 psi
Critical Station Pressure at POC:	50.46 psi
Pressure Available:	112.00 ps
Residual Pressure Available:	61.54 psi

A1

30.00 psi
3.07 psi
0.30 psi
-0.87 psi
0.35 psi
32.87 psi
0.09 psi
0.95 psi
0.00 psi
11.39 psi
3.36 psi
1.80 psi
50.46 psi
112.00 ps
61.54 psi



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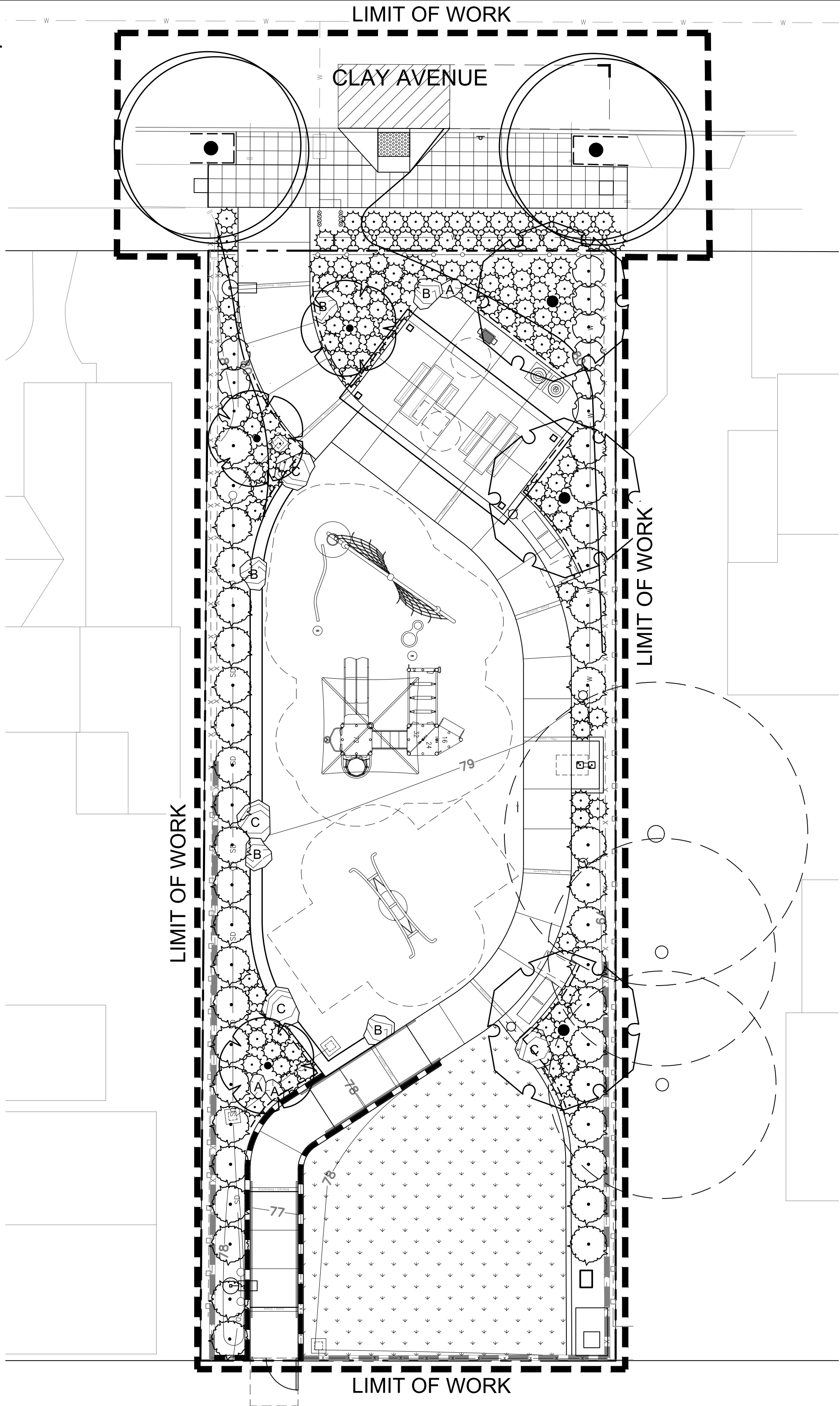
PLANS FOR THE CONSTRUCTION OF
CLAY AVENUE MINI PARK
IRRIGATION PLAN

CONSULTANT			CITY OF SAN DIEGO, CALIFORNIA		WBS
ENGINEERING & CAPITAL PROJECTS			SHEET 25 OF 26 SHEETS		L-16000.5
 1310 Rosecrans St., Suite G, San Diego, CA 92106 619.236.1462 LIC. CA 2138 NV 219 AZ 34139 SCHMIDTDESIGN.COM			APPROVED: FOR CITY ENGINEER JENNIFER SCOTT PRINT NAME: _____ DATE: 06/17/2022 C74917 RCE#	CHECKED BY: LYDIA MARSHALL PROJECT ENGINEER	SUBMITTED BY: LYDIA MARSHALL PROJECT MANAGER
			DESCRIPTION	BY	APPROVED
			ORIGINAL	SDG	Jennifer Scott
PROJECT #: 17-406 - DRAWN BY: JF - CHECKED BY: JJ			PLT DATE: 05.05.2021		CONTRACTOR INSPECTOR
			DATE STARTED		DATE COMPLETED

CLAY AVENUE MINI PARK

PLANTING NOTES:

1. FINISHED GRADES SHALL BE SMOOTHED TO ELIMINATE PUDDLING OR STANDING WATER. CONTRACTOR SHALL MAINTAIN A MINIMUM 1.5% DRAINAGE AWAY FROM PAVING INTO DRAINAGE STRUCTURES OR TO STREET (SEE ENGINEER'S GRADING AND DRAINAGE PLAN). CONTRACTOR SHALL NOTIFY RESIDENT ENGINEER AND LANDSCAPE ARCHITECT IMMEDIATELY OF ANY CONFLICTS IN MAINTAINING DRAINAGE.
2. RESIDENT ENGINEER AND LANDSCAPE ARCHITECT SHALL APPROVE ALL FINISH GRADING PRIOR TO PLACEMENT OF ANY PLANT MATERIAL.
3. 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.
4. CONTRACTOR SHALL NOTIFY RESIDENT ENGINEER & LANDSCAPE ARCHITECT FOR OBSERVATION AT THE FOLLOWING TIMES PER SHEET G-1.0.
5. SOIL AMENDMENTS SPECIFIED ARE FOR BIDDING PURPOSES ONLY. ACTUAL TYPES AND QUANTITIES WILL BE BASED ON SOIL ANALYSIS PROVIDED BY CONTRACTOR. SOIL SAMPLES SHALL BE PER WHITEBOOK SECTION 800-1.1.2
- PLANTING AND BACKFILL MIX FOR PLANT PITS & TABLETS SHALL BE AS FOLLOWS PER CUBIC YARD:
- 70% OF NATIVE SOIL
 - 30% NITROGEN STABILIZED ORGANIC AMENDMENT 'HUMIC COMPOST' BY AGRISERVICE OR APPROVED EQUAL
 - 16 LBS GRO-POWER PLUS
 - 2 LBS. FERROUS SULFATE
- THOROUGHLY BLEND THE ABOVE AT A CENTRAL OFF-SITE LOCATION PRIOR TO USE. THE FERROUS SULFATE SHOULD NOT CONTACT PAVING SURFACES AS STAINING WILL RESULT.
6. SEE PLANTING SPECIFICATIONS FOR PRE-EMERGENT TREATMENT OF SOIL.
7. SHRUB AND GROUNDCOVER MASS QUANTITIES ARE SHOWN ON PLANS. UNDERPLANT ALL TREES WITH THE ADJACENT SHRUB AND/ OR GROUNDCOVER AS INDICATED BY THE PLANS. GROUNDCOVER SHALL BE INSTALLED WITH TRIANGULAR SPACING TO WITHIN 12" OF TREE OR SHRUB STEMS.
8. PLANT SYMBOLS TAKE PRECEDENCE OVER PLANT QUANTITIES SPECIFIED. CONTRACTOR SHALL VERIFY PLANT TOTALS FOR BID PURPOSES.
9. PRIOR TO PLANTING, IRRIGATION SYSTEM SHALL BE FULLY OPERATIONAL AND ALL PLANTING AREAS SHALL BE THOROUGHLY WATERED.
10. PLANT MATERIAL MAY BE REJECTED AT ANY TIME BY RESIDENT ENGINEER OR LANDSCAPE ARCHITECT DUE TO CONDITION, FORM OR DAMAGE BEFORE OR AFTER PLANTING.
11. ALL TREES WITHIN 10' OR LESS OF HARDSCAPE SHALL BE INSTALLED WITH A ROOTBARRIER. ROOTBARRIER SHALL BE INSTALLED PARALLEL TO HARDSCAPE SURFACE FOR A DISTANCE OF 10' FROM THE CENTER LINE OF THE TREE TRUNK IN BOTH DIRECTIONS, OR AS INDICATED ON PLAN. ROOTBARRIER TO BE MANUFACTURED BY "DEEPROOT" OR EQUIVALENT.
12. PLANTING TABLETS SHALL BE GRO-POWER PLANTING TABLETS 20-10-5 PER GB/WB (12 MONTH SLOW RELEASE FORMULATION).
13. ALL PLANTING BEDS SHALL HAVE 3" (THREE INCH) THICK MULCH LAYER. "MULCH" SHALL BE TYPE 9 PER SPECIFICATIONS 'FOREST FINES MULCH' FROM AGRISERVICE OR APPROVED EQUAL. PH.(800) 262-4167. RATES AS SPECIFIED ON PLANS, FREE OF STICKS, STONES, CLAY OR OTHER FOREIGN MATERIAL. CONTRACTOR SHALL SUBMIT SAMPLE TO R.E FOR APPROVAL PRIOR TO INSTALLATION.
- NOTE: ALL REQUIRED PLANTING AREAS AND ALL EXPOSED SOIL AREAS WITHOUT VEGETATION SHALL BE COVERED WITH MULCH TO A MINIMUM DEPTH OF 3 INCHES, EXCLUDING SLOPES REQUIRING REVEGETATION PER SDMC 142 0411.
14. AT COMPLETION OF THE ESTABLISHMENT PERIOD, APPLY COMMERCIAL FERTILIZER (15-15-15) AT 2LBS/1000SF TO TURF AREAS ONLY AND WATER IMMEDIATELY WITH A THOROUGH IRRIGATION CYCLE.
15. 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 PARK WALKWAYS. ADJUSTMENTS TO TREE PLACEMENT SHALL ONLY OCCUR WITH APPROVAL FROM RESIDENT ENGINEER AND LANDSCAPE ARCHITECT.
16. 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
17. ALL REQUIRED LANDSCAPE AREAS SHALL BE MAINTAINED BY THE CITY OF SAN DIEGO.
18. A MINIMUM ROOT ZONE OF 40 SF IN AREA SHALL BE PROVIDED FOR ALL TREES. THE MINIMUM DIMENSION FOR THE IS AREA SHALL BE 5 FEET, PER LDC 142.0403(B)(5).
19. FINAL LOCATION OF ALL TREES SHALL BE VERIFIED BY THE RESIDENT ENGINEER AND LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO EXCAVATION OF PLANTING PITS.
20. ALL PLANTERS SHALL RECEIVE IRRIGATION AND DRAINAGE.
21. THE RESIDENT ENGINEER AND LANDSCAPE ARCHITECT SHALL APPROVE ALL PLANTING AREAS PRIOR TO THE INSTALLATION OF ANY MATERIALS. THE LANDSCAPE CONTRACTOR SHALL LAYOUT ALL PLANT MATERIAL IN THE FIELD PER THE PLANTING PLANS FOR REVIEW AND APPROVAL BY THE RESIDENT ENGINEER AND LANDSCAPE ARCHITECT BEFORE EXCAVATING PITS. MAKING NECESSARY ADJUSTMENTS AS DIRECTED.
22. EACH TREE LOCATION SHALL BE STAKED IN THE FIELD PER THE TREE PLANS BY THE LANDSCAPE CONTRACTOR USING MINIMUM 6' LONG STAKES. THE TOP 2' OF EACH STAKE SHALL BE PAINTED WITH A DIFFERENT COLOR OF PAINT FOR EACH TREE SPECIE. STAKE LOCATIONS SHALL BE APPROVED BY THE RESIDENT ENGINEER AND LANDSCAPE ARCHITECT PRIOR TO THE EXCAVATION OF PLANTING PITS. STAKES SHALL BE LOCATED IN THE FIELD BY THE LANDSCAPE CONTRACTOR FOR REVIEW AND APPROVAL BY RESIDENT ENGINEER AND LANDSCAPE ARCHITECT PRIOR TO THEIR ARRIVAL AT THE SITE.
23. STAKING AND GUY WIRES: CONTRACTOR TO USE GUY WIRES FOR TREES WITH TRUNKS GREATER THAN OR EQUAL TO 4" INCHES IN DIAMETER. TREES WITH TRUNKS SMALLER THAN 4" INCHES IN DIAMETER SHALL BE SECURED WITH STAKES.
24. ALL SHRUBS ARE TO BE SPOTTED IN THE FIELD PER THE SHRUB PLAN BY THE LANDSCAPE CONTRACTOR AND APPROVED BY THE RESIDENT ENGINEER AND LANDSCAPE ARCHITECT PRIOR TO THE EXCAVATION OF THE PLANTING PITS.
25. GROUND COVER PLANTS SHALL BE WELL ROOTED WITH RUNNERS MINIMUM 4" LONG.
26. TREE LOCATIONS SHALL BE STAKED IN THE FIELD PRIOR TO STORM DRAIN INSTALLATION AND REVIEWED BY THE RESIDENT ENGINEER AND LANDSCAPE ARCHITECT TO VERIFY GENERAL DESIGN CONFORMANCE. STORM DRAIN LOCATIONS SHALL BE MODIFIED IN THE FIELD TO ACCOMMODATE THE TREE LOCATIONS AND MAINTAIN THE CITY OF SAN DIEGO REQUIRED MINIMUM SEPARATION.
27. PERCOLATION TEST ON TREE PITS SHALL BE CONDUCTED, AND MUST COMPLY WITH STANDARDS DEFINED IN THE SUPPLEMENTAL CONDITIONS, SECTION 801-4.1.7.



PLANT SCHEDULE

TREES	BOTANICAL NAME	COMMON NAME	CONT	DETAIL
	CUPANIOPSIS ANACARDIOIDES	CARROT WOOD	36" BOX	SDL-101
	MAGNOLIA GRANDIFLORA 'LITTLE GEM'	DWARF SOUTHERN MAGNOLIA	24" BOX	SDL-101
	TRISTANIA CONFERTA	BRISBANE BOX	24" BOX	SDL-101
SHRUBS	BOTANICAL NAME	COMMON NAME	CONT	DETAIL
	CALLISTEMON X 'LITTLE JOHN'	BOTTLEBRUSH	5 GAL	SDL-102
	LEYMUS CONDENSATUS 'CANYON PRINCE'	NATIVE BLUE RYE	1 GAL	SDL-102
	PODOCARPUS MACROPHYLLUS 'MAKI'	SHRUBBY YEW PINE	5 GAL	SDL-102
	BOTANICAL NAME	COMMON NAME	CONT	DETAIL
	SYNTHETIC TURF PER PLAN			4/LC-2.1
	ROOT BARRIER, SEE PLANTING NOTE #14			SDL-106

This set of plans and specifications shall be kept on the site of the structure of work at all times during which work authorized by these plans is in progress, and shall be made available to City officials upon request. It is unlawful to change, modify, or alter the approved plans and specifications without authorization of the Building Official. The stamping of these plans and specifications SHALL NOT be held to permit nor approve the violation of any City, County, State, or Federal laws, nor restrictions.

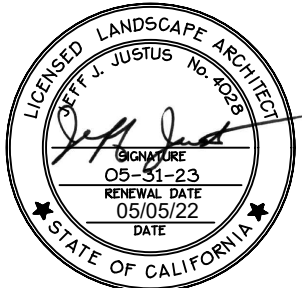


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PLANS FOR THE CONSTRUCTION OF
CLAY AVENUE MINI PARK
PLANTING PLAN

CONSULTANT		CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS SHEET 26 OF 26 SHEETS		WBS L-16000.5
 1310 Rosecrans St., Suite G, San Diego, CA 92106 619.236.1462 LIC. CA 2138 NV 219 AZ 34139 SCHMIDTDESIGN.COM		 APPROVED: FOR CITY ENGINEER JENNIFER SCOTT DATE: 06/17/2022 C74917 RCE#		SUBMITTED BY: LYDIA MARSHALL PROJECT MANAGER CHECKED BY: LYDIA MARSHALL PROJECT ENGINEER
DESCRIPTION		BY	APPROVED	DATE
ORIGINAL	SDG			06/17/2022
PROJECT #: 17-406 - DRAWN BY: JF - CHECKED BY: JJ		PLT DATE: 05.05.2021		DATE STARTED DATE COMPLETED
INSPECTOR				40621-26-D

4 ADDITIVE ALTERNATE #4 - UPSIZE SHRUBS
PROVIDE 15 GAL PODOCARPUS MACROPHYLLUS 'MAKI'
IN PLACE OF 5 GAL PODOCARPUS MACROPHYLLUS 'MAKI'



CLAY AVENUE MINI PARK