

## general notes:

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR PERMITEE TO CONTACT "UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA" BY PHONE AT 8-1-1 TWO WORKING DAYS PRIOR TO START OF CONSTRUCTION FOR LOCATION OF POWER, TELEPHONE, OIL AND NATURAL GAS UNDERGROUND FACILITIES. CONTRACTOR OR PERMITEE SHALL ALSO CONTACT THE APPROPRIATE AGENCY FOR THE LOCATION OF CABLE T.V., WATER, SEWER, DRAINAGE OR UNDERGROUND FACILITIES.
- THE CONTRACTOR SHALL POSSESS A CLASS "A" LICENSE AT THE TIME OF THE BID OPENING.
- CONTRACTOR SHALL DETERMINE ALL UTILITY CONFLICTS AND SHALL POT HOLE AND LOCATE PRIOR TO CONSTRUCTION, UTILITY LOCATION, DEPTH, SIZE AND MATERIAL SHALL BE REPORTED TO THE ENGINEER, AS REQUIRED BY THE SPECIAL PROVISIONS
- EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AND MAINTAINED DURING ALL CONSTRUCTION AND GROUND DISTURBING ACTIVITIES PER CITY OF SAN LUIS OBISPO STANDARDS.
- SEE APPENDIX [B] OF THE PROJECT SPECIAL PROVISIONS FOR THE GEOTECHNICAL ENGINEERING REPORT "LAGUNA LAKE DOG PARK IMPROVEMENTS, 504 MADONNA ROAD, SAN LUIS OBISPO, CALIFORNIA" PREPARED ON AUGUST 4, 2023 FOR THE CITY OF SAN LUIS OBISPO

## scope of work:

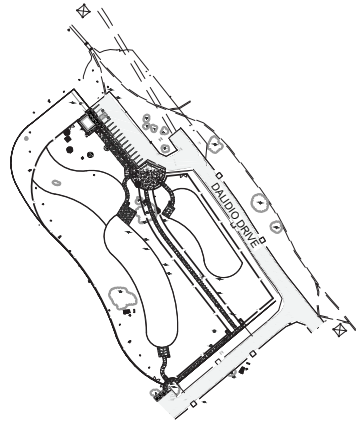
- WORK FOR THIS PLAYGROUND RENOVATION PROJECT INCLUDES:
- REMOVAL OF THE EXISTING FENCE AND CMU WALLS, EXISTING LOG BARRIERS, EXISTING CONCRETE, EXISTING BENCHES, AND EXISTING NON-ADA COMPLIANT PATH OF TRAVEL.
  - INSTALLATION OF NEW SIDEWALK, RECREATION AREAS, SHADE EQUIPMENT, PAVERS, PICNIC TABLES, BENCHES, FENCING, ADA PATH OF TRAVEL, ADA COMPLIANT RAMP, AND WATER FOUNTAINS.

## datum:

- SEE SHEET SC-1 FOR SURVEY DATUM INFORMATION.

## deferred submittals:

- SHADE STRUCTURE STRUCTURAL DESIGN. SEE SPECIAL PROVISIONS, SECTION 5-1.23B(3)
- SWPPP



DOG PARK LOCATION MAP

Scale: NTS



SCALE: NTS

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IP-2	IRRIGATION PLAN
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ID-2	IRRIGATION DETAILS & NOTES

Reference Documents:  
 City Standard Specifications - August 2020 Edition  
 City Engineering Standards - August 2020 Edition

### APPLICABLE CODES:

CALTRANS STANDARD PLANS - 2022  
 CBC - 2022 California Building Code  
 CPC - 2022 California Plumbing Code  
 GBC - 2022 Green Building Code  
 CFC - 2022 California Fire Code



## LAGUNA LAKE DOG PARK REVITALIZATION 504 MADONNA ROAD

SPECIFICATION NO. 2001068

APPROVED BY

Brian Nelson  
City Engineer

R.C.E. C 79870

DATE  
12/21/2023

FILE NO./LOCATION

SHEET

C-1.0 OF 31

GENERAL NOTES

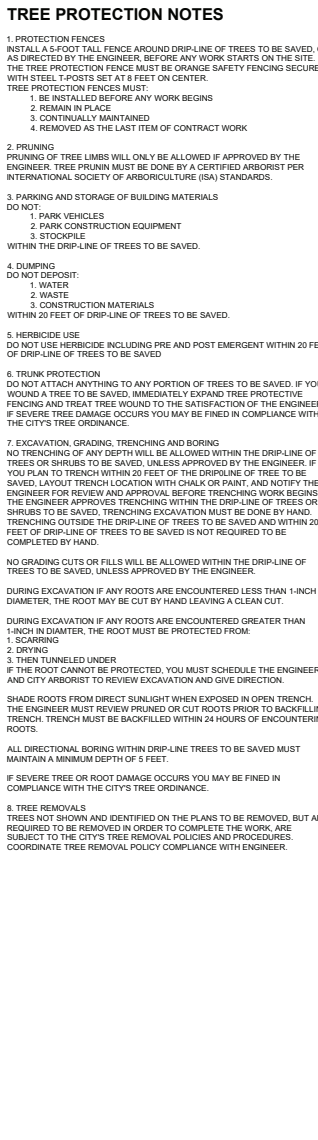
- 1. THESE PLANS ARE PART OF A SET OF CONTRACT DOCUMENTS AND SHALL NOT BE CONSIDERED THE SOLE SOURCE OF CONSTRUCTION INFORMATION...
2. THE CITY OF SAN LUIS OBISPO HAS COPIES OF THE APPROVED CONTRACT DOCUMENTS FOR THIS PROJECT ON THE SITE AT ALL TIMES AND SHALL BE FAMILIAR WITH ALL APPLICABLE STANDARDS AND SPECIFICATIONS.
3. CONTRACTOR AGREES THAT HE OR SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE DURING THE COURSE OF THE PROJECT...

CONSTRUCTION NOTES

- 1. CONTRACTOR SHALL INVESTIGATE THE SITE DURING CLEARING, DEMOLITION AND EXISTING EARTHWORK FOR EXISTING HAZARD SUCH AS CESPOOLINGS, GISTERS, FOUNDATIONS OR LARGE DEPOSITS OF ORGANIC MATERIAL, ETC.
2. CONTRACTOR SHALL PROVIDE A MIN. OF 48 HOURS WRITTEN NOTICE TO THE PROJECT REPRESENTATIVE AND SURVEYOR WHEN REQUESTING SURVEY STAKES.
3. ANY SECTIONS OF DAMAGED OR DISPLACED CURB, GUTTER & SIDEWALK OR DRIVEWAY APPROACH SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER, NEW CURB, GUTTER, SIDEWALK, UTILITY ABANDONMENTS, AND NEW UTILITIES SHALL COMPLY WITH THE LATEST CITY ENGINEERING STANDARDS.

- 6. THE CONTRACTOR AND QSP SHALL BE RESPONSIBLE TO REVIEW THE PROJECT SITE PRIOR TO OCTOBER 15 (RAINY SEASON) AND TO COORDINATE AN IMPLEMENTATION PLAN FOR WEATHER-EROSION CONTROL DEVICES.
7. PERMANENT EROSION CONTROL SHALL BE PLACED AND ESTABLISHED WITHIN 72 HOURS OF ALL DISTURBED SURFACES OTHER THAN PAVED OR GRAVEL SURFACES.
8. EFFECTIVE SOIL COVER SHALL BE IMPLEMENTED FOR AREAS SCHEDULED TO BE NACTIVE FOR AT LEAST 14 DAYS AND ALL FINISHED SLOPES, OPEN SPACE, UTILITY BACKFILL, AND COMPLETED LOTS.
9. THE USE OF PLASTIC MATERIALS SHALL BE LIMITED WHEN ALTERNATIVES EXIST.

LEGEND



EXISTING PROPOSED DESCRIPTION

Table with 3 columns: Existing, Proposed, and Description. Rows include: SLOPE, FIRE ELEVATIONS, SPOT HYDRANTS, SEWER CLEANOUT, SEWER MANHOLE, SEWER LATERAL, STORM DRAIN MANHOLE, STORM DRAIN CURB INLET, STORM DRAIN CATCH BASIN, WATER SERVICE, WATER SERVICE MANIFOLD, ABANDON UTILITY, EXISTING EDGE OF PAVEMENT, EXISTING IRRIGATION LINE, UNDERGROUND CABLE TELEVISION LINE, UNDERGROUND ELECTRICAL LINE, UNDERGROUND GAS LINE, UNDERGROUND TELECOMMUNICATIONS LINE, UNDERGROUND UTILITY LINE, GRAVITY SEWER LINE, STORM DRAIN, WATER LINE, SEWER FORCE MAIN, STORM DRAIN, RIGHT OF WAY, EASEMENT, CENTERLINE, BARBED WIRE FENCE, CHAIN LINK FENCE, WOOD FENCE.



PROJECT ENGINEER

PLANS APPROVAL DATE

- City of San Luis Obispo, Planning and Public Works Department
616 CLAYTON COURT, SAN LUIS OBISPO, CA 93401

GENERAL NOTES

LAGUNA LAKE DOG PARK REVITALIZATION

Table with 2 columns: PROJECT TITLE and SHEET TITLE, both containing 'LAGUNA LAKE DOG PARK REVITALIZATION'.

DESIGNED BY: BDH
DRAWN BY: CPK
CHECKED BY: BDH
APPROVED BY:
DATE: 12/21/2023
CITY SPECIFICATION NO.
SHEET NO. C-1.1
2 OF 31

AIR QUALITY MITIGATION NOTES

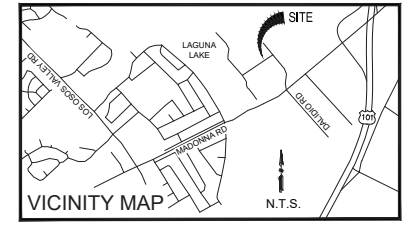
- THE FOLLOWING DUST MITIGATION MEASURES ARE REQUIRED AT THE START AND MAINTAINED THROUGHOUT THE DURATION OF THE CONSTRUCTION OR GRADING ACTIVITY:
1. CONSTRUCTION VEHICLE SPEED AT THE WORK SITE MUST BE LIMITED TO FIFTEEN (15) MILES PER HOUR OR LESS.
2. PRIOR TO ANY GROUND DISTURBANCE, SUFFICIENT WATER MUST BE APPLIED TO THE AREA TO BE DISTURBED TO PREVENT VISIBLE EMISSIONS FROM CROSSING THE PROPERTY LINE.

SWPPP AND EROSION CONTROL

- 1. CONTRACTOR SHALL PREPARE SWPPP AND OBTAIN WIDM NUMBER FOR PROJECT. SWPPP SHALL BE A PART OF THE DEFERRED SUBMITTAL PACKAGE.
2. EROSION CONTROL MEASURES FOR WIND, WATER, MATERIAL STOCKPILES, AND TRACKING SHALL BE IMPLEMENTED ON ALL PROJECTS AT ALL TIMES AND SHALL INCLUDE SOURCE CONTROL, INCLUDING PROTECTION OF STOCKPILES, PROTECTION OF SLOPES, PROTECTION OF UNPROTECTED AREAS, PROTECTION OF ACCESSES, AND PERIMETER CONTAINMENT MEASURES.
3. SITE INSPECTIONS AND APPROPRIATE MAINTENANCE OF ALL EROSION CONTROL MEASURES/DEVICES SHALL BE CONDUCTED AND DOCUMENTED AT ALL TIMES DURING CONSTRUCTION AND ESPECIALLY PRIOR TO, DURING, AND AFTER RAIN EVENTS.

Revision table with columns: DATE, REVISIONS, APPROVAL, SHEET NUMBER, CITY. Includes a triangle symbol in the date column.

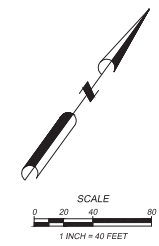
### SHEET LAYOUT AND SURVEY CONTROL



#### SURVEY NOTES

- THE HORIZONTAL DATUM FOR THIS SURVEY IS THE NORTH AMERICAN DATUM OF 1983, 1982 ADJUSTMENT (NAD83/1992). EPOCH DATE OF 1991.35 ACCORDING TO THE CITY OF SAN LUIS OBISPO HORIZONTAL CONTROL NETWORK, JANUARY 2007 REVISION.
- THE PROJECTION USED IS THE CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS83), ZONE 5 PROJECTION ACCORDING TO THE CITY OF SAN LUIS OBISPO'S HORIZONTAL CONTROL NETWORK, JANUARY 2007 REVISION.
- THIS SURVEY TIED TO TWO CITY OF SAN LUIS OBISPO HORIZONTAL CONTROL POINT STATIONS. THOSE STATIONS ARE DESIGNATED '8118', HAVING A PUBLISHED POSITION OF: NORTHING 2291824.331', EASTING 5759987.892', AND '10120', HAVING A PUBLISHED POSITION OF: NORTHING 2292760.657', EASTING 5759556.922'. THE RECORD BEARING FROM ..... HERE BEARINGS ..... SHOWN HEREON ARE REFERENCED TO CCS83, ZONE 5 GRID NORTH ACCORDING TO THE CITY OF SAN LUIS OBISPO'S HORIZONTAL CONTROL NETWORK, JANUARY 2007 REVISION.
- ALL MEASUREMENTS LISTED, SHOWN AND REPRESENTED HEREON ARE BASED ON GRID DISTANCES OF THE CALIFORNIA COORDINATE SYSTEM OF 1983 ZONE 5 PROJECTION ACCORDING TO THE CITY OF SAN LUIS OBISPO'S HORIZONTAL CONTROL NETWORK, JANUARY 2007 REVISION. THE COMBINED SCALE FACTOR FOR THE PROJECT IS 0.99996144. THIS SCALE FACTOR WAS CALCULATED USING AN ELEVATION OF 130.53 FEET FOR PT. NO. 106 CITY VERTICAL BSM 327). DIVIDE THE DISTANCES HEREON BY THE COMBINED SCALE FACTOR TO OBTAIN GROUND DISTANCES. ALL DISTANCES SHOWN ARE U.S. SURVEY FEET.
- THE CONVERGENCE ANGLE IS: ..... HERE NO. 327.
- THE ORTHOMETRIC HEIGHTS (ELEVATIONS) ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVDS88) ACCORDING TO THE CITY OF SAN LUIS OBISPO BENCH MARK SYSTEM, JANUARY 2007 REVISION. THIS SURVEY TIED TO THE POINT DESIGNATED AS PT. NO 327 OF THE CITY OF SAN LUIS OBISPO BENCH MARK SYSTEM, JANUARY 2007 REVISION, HAVING A PUBLISHED ELEVATION OF 130.52'.
- THE CONTOUR INTERVAL IS 1 FOOT.
- ORTHOPHOTOGRAPHY PRODUCED BY WALLACE GROUP. PHOTOGRAPHY DATED: 10/26/2022.
- UNDERGROUND UTILITY LOCATIONS ARE PLOTTED BASED ON ABOVE GROUND PAINT MARKS BY OTHERS. ABOVE GROUND SURFACE STRUCTURES. ACTUAL LOCATION MAY DIFFER. ADDITIONAL UNDERGROUND UTILITY LINES MAY EXIST. FOR INFORMATION REGARDING UTILITY LOCATION, SIZE, DEPTH, CONDITION, AND CAPACITY CONTACT UTILITY OR MUNICIPAL/PUBLIC SERVICE FACILITY.
- UNDERGROUND PIPE SIZES ARE BASED ON VISUAL OBSERVATIONS MADE FROM THE SURFACE AND ARE APPROXIMATE.
- THIS IS NOT A BOUNDARY SURVEY. NO BOUNDARY LINES ARE DEPICTED AND NO BOUNDARY EVIDENCE WAS REVIEWED. NO TITLE INFORMATION WAS PROVIDED FOR THIS PROJECT.

SURVEY CONTROL POINTS				
PT. NO.	NORTHING	EASTING	ELEV.	DESC.
100	2293553.06	5760917.49	146.88	SET 5/8 REBAR 'WG CONTROL'
101	2293502.83	5760875.26	144.56	SET 5/8 REBAR 'WG CONTROL'
102	2293588.59	5760762.90	143.40	SET MAG NAIL IN PAINT STRIPE
103	2293206.52	5761126.06	148.30	SET MAG NAIL 'WG CONTROL'
104	2293001.46	5760930.42	139.47	SET MAG NAIL 'WG CONTROL'



SCALE: HORIZ AS SHOWN  
VERT AS SHOWN  
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

DATE	REVISIONS	APPROVAL	
		DESIGNER	CITY



PROJECT ENGINEER

PLANS APPROVAL DATE

612 CLAYTON COURT  
SAN LUIS OBISPO, CA 93401  
www.wallacegroup.com



PROJECT TITLE:  
**LAGUNA LAKE DOG PARK  
REVITALIZATION**

SHEET TITLE:  
**SURVEY CONTROL**

DESIGNED BY:

DRAWN BY:

CHECKED BY:

APPROVED BY:

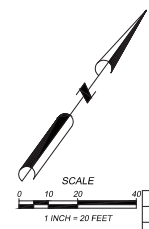
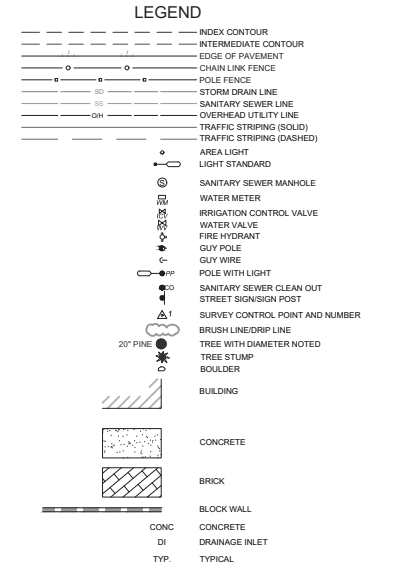
DATE: 12/21/2023

CITY SPECIFICATION NO. 200526-01

SHEET DES: **SC-1**

SHEET NO:

**3 OF 31**



SCALE: HORIZ AS SHOWN  
VERT AS SHOWN  
ORIGINAL SCALE IN INCHES  
FOR REDUCED PLANS

DATE	REVISIONS	APPROVAL
	DESCRIPTION	DESIGN APPROVAL CITY



PROJECT ENGINEER

PLANS APPROVAL DATE

041 AND 042 REGISTERED PROFESSIONAL ENGINEERS  
 WALLACE GROUP  
 612 CLARION COURT  
 SAN LUIS OBISPO, CA 95071  
 WWW.WALLACEGROUP.COM  
 805.762.4444  
**WALLACE GROUP**

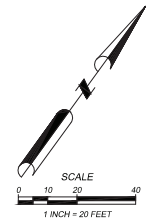
**LAGUNA LAKE DOG PARK  
 REVITALIZATION**  
**SURVEY - EXISTING CONDITIONS**

PROJECT TITLE: \_\_\_\_\_  
 SHEET TITLE: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 APPROVED BY: \_\_\_\_\_  
 DATE: 12/21/2023  
 CITY SPECIFICATION NO. 200526-01  
 SHEET DES: **SC-2**  
 SHEET NO. \_\_\_\_\_  
**4 OF 31**



**LEGEND**

	INDEX CONTOUR
	INTERMEDIATE CONTOUR
	EDGE OF PAVEMENT
	CHAIN LINK FENCE
	POLE FENCE
	STORM DRAIN LINE
	SANITARY SEWER LINE
	OVERHEAD UTILITY LINE
	TRAFFIC STRIPING (SOLID)
	TRAFFIC STRIPING (DASHED)
	AREA LIGHT
	LIGHT STANDARD
	SANITARY SEWER MANHOLE
	WATER METER
	IRRIGATION CONTROL VALVE
	WATER VALVE
	FIRE HYDRANT
	GLY POLE
	GLY WIRE
	POLE WITH LIGHT
	SANITARY SEWER CLEAN OUT
	STREET SIGN/SIGN POST
	SURVEY CONTROL POINT AND NUMBER
	BRUSH LINE/DRIP LINE
	TREE WITH DIAMETER NOTED
	TREE STUMP
	BOULDER
	BUILDING
	CONCRETE
	BRICK
	BLOCK WALL
	CONC
	DI
	TYP.



SCALE: HORIZ AS SHOWN  
VERT AS SHOWN  
ORIGINAL SCALE IN INCHES  
FOR REDUCED PLANS

DATE	REVISIONS	APPROVAL
	DESCRIPTION	DESIGN APPROVAL CITY



PROJECT ENGINEER

PLANS APPROVAL DATE

04. AND 05. 2023  
 ARCHITECTURAL SERVICES  
 LANDSCAPE ARCHITECTURE  
 PUBLIC WORKS/CONSTRUCTION  
 WATER RESOURCES  
 612 CLAYTON COURT  
 SAN LUIS OBISPO, CA 95070  
 805.461.8800  
 www.bostromusa.com

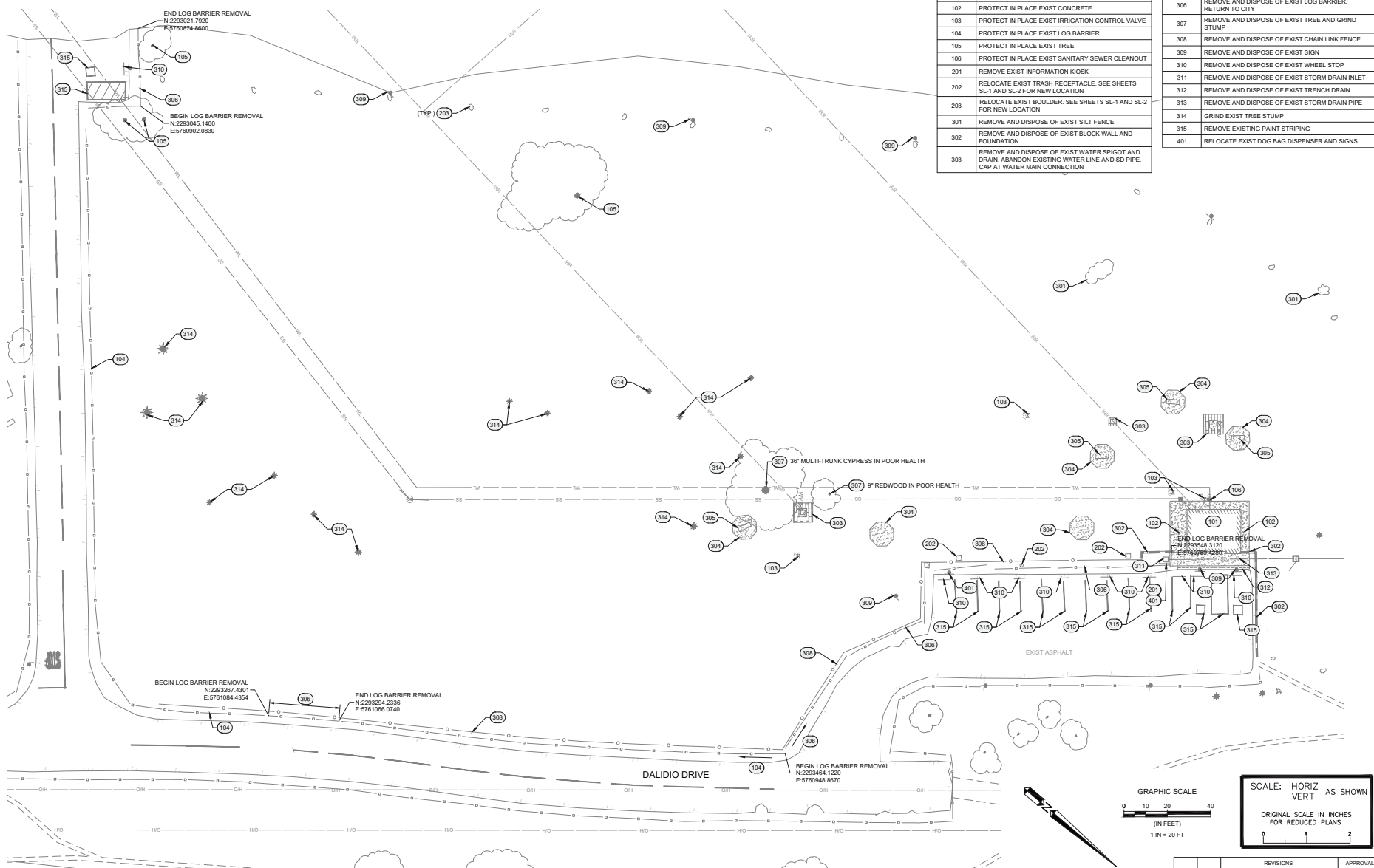


**LAGUNA LAKE DOG PARK  
REVITALIZATION**

PROJECT TITLE:  
SHEET TITLE:  
DESIGNED BY:  
DRAWN BY:  
CHECKED BY:  
APPROVED BY:

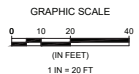
DATE: 12/21/2023  
 CITY SPECIFICATION NO.  
 200526-01

SHEET DES: **SC-3**  
 SHEET NO:  
**5 OF 31**



REFERENCE KEYNOTES	
101	PROTECT IN PLACE EXIST RESTROOM
102	PROTECT IN PLACE EXIST CONCRETE
103	PROTECT IN PLACE EXIST IRRIGATION CONTROL VALVE
104	PROTECT IN PLACE EXIST LOG BARRIER
105	PROTECT IN PLACE EXIST TREE
106	PROTECT IN PLACE EXIST SANITARY SEWER CLEANOUT
201	REMOVE EXIST INFORMATION KIOSK
202	RELOCATE EXIST TRASH RECEPTACLE. SEE SHEETS SL-1 AND SL-2 FOR NEW LOCATION
203	RELOCATE EXIST BOULDER. SEE SHEETS SL-1 AND SL-2 FOR NEW LOCATION
301	REMOVE AND DISPOSE OF EXIST SILT FENCE
302	REMOVE AND DISPOSE OF EXIST BLOCK WALL AND FOUNDATION
303	REMOVE AND DISPOSE OF EXIST WATER SPOUT AND DRAIN. ABANDON EXISTING WATER LINE AND SD PIPE. CAP AT WATER MAIN CONNECTION
304	REMOVE AND DISPOSE OF EXIST CONCRETE
305	REMOVE AND DISPOSE OF EXIST BENCH
306	REMOVE AND DISPOSE OF EXIST LOG BARRIER. RETURN TO CITY
307	REMOVE AND DISPOSE OF EXIST TREE AND GRIND STUMP
308	REMOVE AND DISPOSE OF EXIST CHAIN LINK FENCE
309	REMOVE AND DISPOSE OF EXIST SIGN
310	REMOVE AND DISPOSE OF EXIST WHEEL STOP
311	REMOVE AND DISPOSE OF EXIST STORM DRAIN INLET
312	REMOVE AND DISPOSE OF EXIST TRENCH DRAIN
313	REMOVE AND DISPOSE OF EXIST STORM DRAIN PIPE
314	GRIND EXIST TREE STUMP
315	REMOVE EXISTING PAINT STRIPING
401	RELOCATE EXIST DOG BAG DISPENSER AND SIGNS

304	REMOVE AND DISPOSE OF EXIST CONCRETE
305	REMOVE AND DISPOSE OF EXIST BENCH
306	REMOVE AND DISPOSE OF EXIST LOG BARRIER. RETURN TO CITY
307	REMOVE AND DISPOSE OF EXIST TREE AND GRIND STUMP
308	REMOVE AND DISPOSE OF EXIST CHAIN LINK FENCE
309	REMOVE AND DISPOSE OF EXIST SIGN
310	REMOVE AND DISPOSE OF EXIST WHEEL STOP
311	REMOVE AND DISPOSE OF EXIST STORM DRAIN INLET
312	REMOVE AND DISPOSE OF EXIST TRENCH DRAIN
313	REMOVE AND DISPOSE OF EXIST STORM DRAIN PIPE
314	GRIND EXIST TREE STUMP
315	REMOVE EXISTING PAINT STRIPING
401	RELOCATE EXIST DOG BAG DISPENSER AND SIGNS



SCALE: HORIZ AS SHOWN  
VERT AS SHOWN  
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

DATE	REVISIONS	APPROVAL
	DESCRIPTION	DESIGN APPROVAL CITY



PROJECT ENGINEER

PLANS APPROVAL DATE

DATE AND TIME OF THIS PLAN'S PREPARATION:  
 PREPARED BY: BDM  
 CHECKED BY: CPK  
 DRAWN BY: BDM  
 PROJECT NO.: 200526-01  
 SHEET NO.: C-1.2  
 6 OF 31



PROJECT TITLE:  
**LAGUNA LAKE DOG PARK REVITALIZATION**  
 SHEET TITLE:  
**DEMOLITION PLAN**

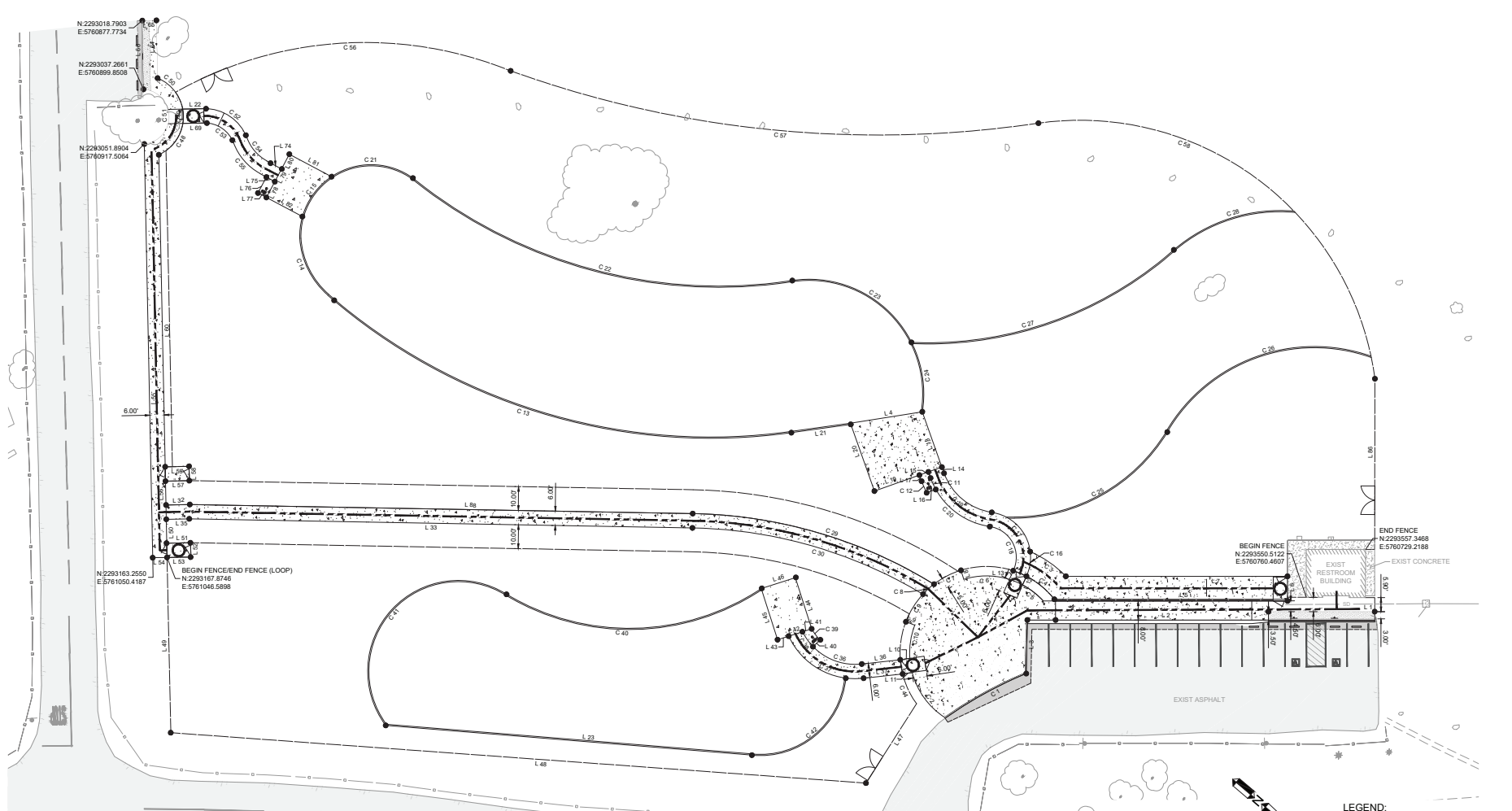
DESIGNED BY: BDM  
 DRAWN BY: CPK  
 CHECKED BY: BDM  
 APPROVED BY:

DATE: 12/21/2023

CITY SPECIFICATION NO. 200526-01

SHEET NO. **C-1.2**

SHEET NO. **6 OF 31**



Curve #	Length	Radius	Delta
C 1	38.93	174.50	.....
C 2	23.88	32.25	.....
C 3	18.28	46.25	.....
C 4	15.27	36.25	.....
C 5	10.87	32.25	.....
C 6	19.50	32.25	.....
C 7	12.80	36.25	.....
C 8	6.26	36.25	.....
C 9	13.65	36.25	.....
C 10	14.20	32.25	.....
C 11	33.71	31.00	.....
C 12	5.29	35.00	.....
C 13	208.86	245.00	.....
C 14	27.31	34.50	.....

Curve #	Length	Radius	Delta
C 15	66.75	30.00	.....
C 16	35.33	19.00	.....
C 17	35.33	19.00	.....
C 18	24.37	13.00	.....
C 19	27.18	25.00	.....
C 20	33.71	31.00	.....
C 21	66.75	30.00	.....
C 22	169.49	204.50	.....
C 23	90.06	48.00	.....
C 24	90.06	48.00	.....
C 25	76.90	75.50	.....
C 26	98.70	71.50	.....
C 27	119.51	155.50	.....
C 28	54.34	68.50	.....

Curve #	Length	Radius	Delta
C 29	106.64	200.00	.....
C 30	101.70	194.00	.....
C 31	22.48	24.50	.....
C 32	31.05	30.50	.....
C 33	7.68	24.00	.....
C 34	5.90	20.50	.....
C 35	112.66	100.00	.....
C 36	105.32	38.00	.....
C 37	56.50	36.00	.....
C 38	13.67	36.25	.....
C 39	17.27	17.50	.....
C 40	6.03	17.50	.....
C 41	17.44	17.50	.....
C 42	34.28	11.50	.....

Curve #	Length	Radius	Delta
C 43	23.39	19.00	.....
C 44	15.99	13.00	.....
C 45	12.94	18.00	.....
C 46	17.26	24.00	.....
C 47	145.60	162.00	.....
C 48	224.57	455.00	.....
C 49	196.94	124.75	.....

Line #	Length	Direction
L 1	44.54	.....
L 2	89.22	.....
L 3	22.44	.....
L 4	30.41	.....
L 5	97.73	.....
L 6	9.63	.....
L 7	92.84	.....
L 8	4.01	.....
L 9	4.01	.....
L 10	4.01	.....
L 11	4.02	.....
L 12	4.00	.....
L 13	4.00	.....

Line #	Length	Direction
L 14	2.60	.....
L 15	2.60	.....
L 16	4.05	.....
L 17	2.73	.....
L 18	24.74	.....
L 19	30.00	.....
L 20	29.64	.....
L 21	25.16	.....
L 22	8.83	.....
L 23	10.00	.....
L 24	210.57	.....
L 25	10.00	.....
L 26	16.26	.....

Line #	Length	Direction
L 27	16.45	.....
L 28	3.99	.....
L 29	4.05	.....
L 30	6.05	.....
L 31	4.89	.....
L 32	22.50	.....
L 33	22.50	.....
L 34	15.00	.....
L 35	39.43	.....
L 36	292.12	.....
L 37	73.45	.....
L 38	10.00	.....
L 39	10.00	.....
L 40	10.00	.....

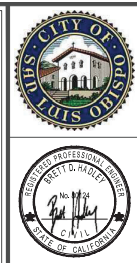
Line #	Length	Direction
L 41	6.00	.....
L 42	10.01	.....
L 43	6.00	.....
L 44	173.40	.....
L 45	10.00	.....
L 46	10.00	.....
L 47	6.00	.....
L 48	10.00	.....
L 49	10.00	.....
L 50	130.80	.....
L 51	24.20	.....
L 52	6.00	.....
L 53	67.59	.....
L 54	210.80	.....
L 55	8.87	.....

Line #	Length	Direction
L 56	7.01	.....
L 57	7.06	.....
L 58	7.53	.....
L 59	4.00	.....
L 60	20.50	.....
L 61	20.50	.....
L 62	20.50	.....
L 63	20.50	.....
L 64	20.05	.....
L 65	17.08	.....
L 66	7.01	.....
L 67	7.53	.....
L 68	4.00	.....
L 69	20.50	.....
L 70	20.50	.....
L 71	20.50	.....
L 72	20.50	.....
L 73	20.50	.....
L 74	20.50	.....
L 75	20.50	.....
L 76	20.50	.....
L 77	20.50	.....
L 78	20.50	.....
L 79	20.50	.....
L 80	20.50	.....
L 81	20.05	.....
L 82	17.08	.....
L 83	67.59	.....
L 84	210.80	.....
L 85	8.87	.....

**LEGEND:**  
 --- ACCESSIBLE PATH OF TRAVEL

**GRAPHIC SCALE**  
 0 10 20 40  
 (IN FEET)  
 1" = 20' FT

**SCALE: HORIZ VERT AS SHOWN**  
 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



PROJECT ENGINEER

PLANS APPROVAL DATE



**LAGUNA LAKE DOG PARK REVITALIZATION**

**HORIZONTAL CONTROL**

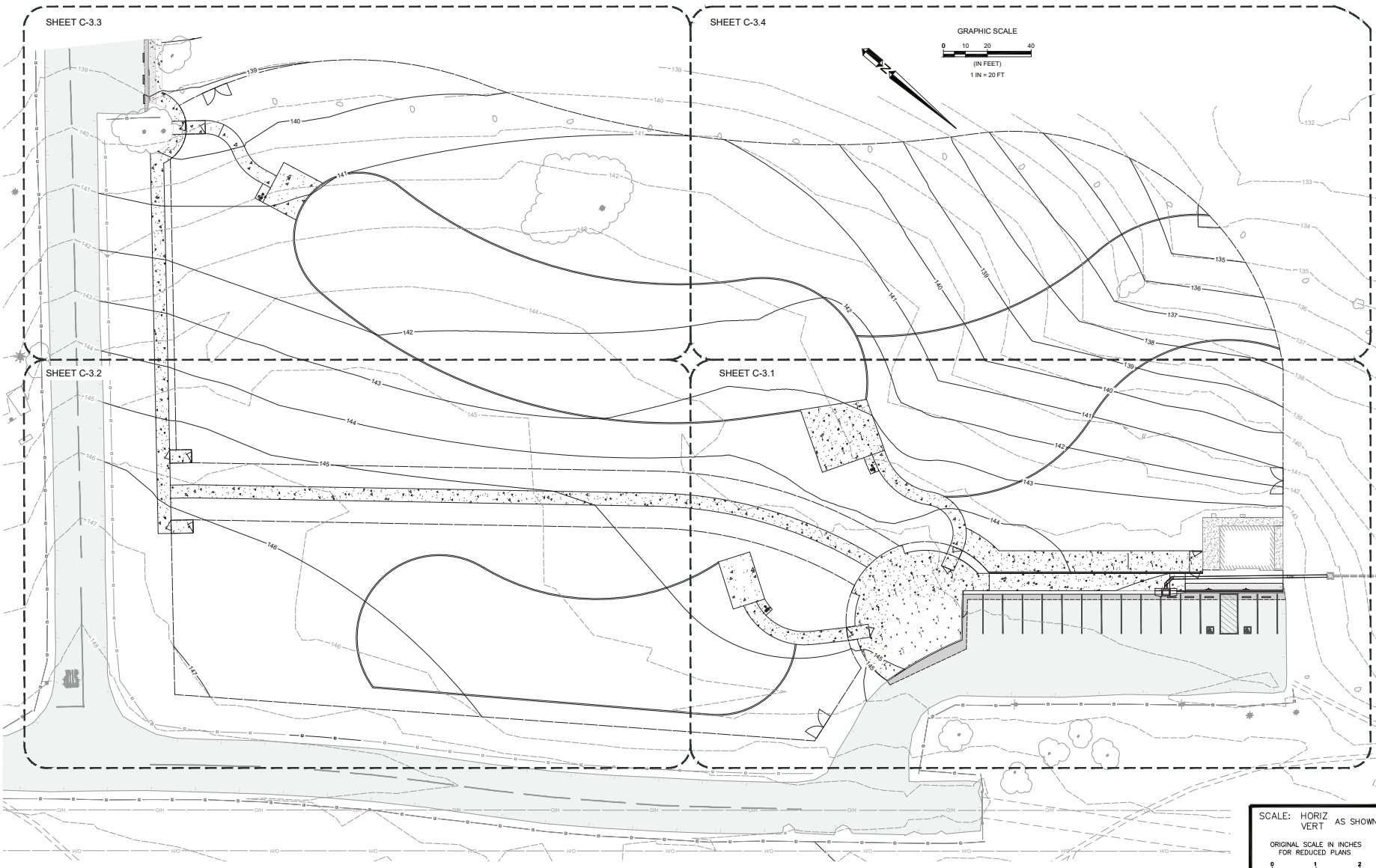
DESIGNED BY: BDH  
 DRAWN BY: CPK  
 CHECKED BY: BDH  
 APPROVED BY:

DATE: 12/21/2023  
 CITY SPECIFICATION NO: 200526-01

SHEET NO: **C-2.0**

SHEET OF **7 OF 31**

DATE	REVISIONS DESCRIPTION	APPROVAL	
		DESIGN	CITY



PROJECT ENGINEER

PLANS APPROVAL DATE

CIVIL AND LANDSCAPE ARCHITECTS  
 LANDSCAPE ARCHITECTS  
 LANDSCAPE ARCHITECTS  
 PUBLIC WORKS ENGINEERS  
 WATER RESOURCES  
 612 CLAYTON COURT  
 SAN LUIS OBISPO, CA 95071  
 www.borstrom.com



**LAGUNA LAKE DOG PARK  
 REVITALIZATION**  
**OVERALL GRADING PLAN**

PROJECT TITLE:  
 SHEET TITLE:

DESIGNED BY:  
 DRAWN BY:  
 CHECKED BY:  
 APPROVED BY:

DATE: 12/21/2023  
 CITY SPECIFICATION NO: 200526-01

SHEET DES: **C-3.0**  
 SHEET NO:

**8 OF 31**

SCALE: HORIZ AS SHOWN  
 VERT AS SHOWN  
 ORIGINAL SCALE IN INCHES  
 FOR REDUCED PLANS

DATE	REVISIONS	APPROVAL	
		DATE	CITY





PROJECT ENGINEER

PLANS APPROVAL DATE

014 AND 015 DEVELOPMENT SERVICES  
LANDSCAPE ARCHITECTURE  
ARCHITECTURE  
PLUMBING MECHANICAL ELECTRICAL  
WATER RESOURCES  
612 CLAYTON COURT  
SAN LUIS OBISPO, CA 95051  
www.bhgroup.com



# LAGUNA LAKE DOG PARK REVITALIZATION GRADING PLAN

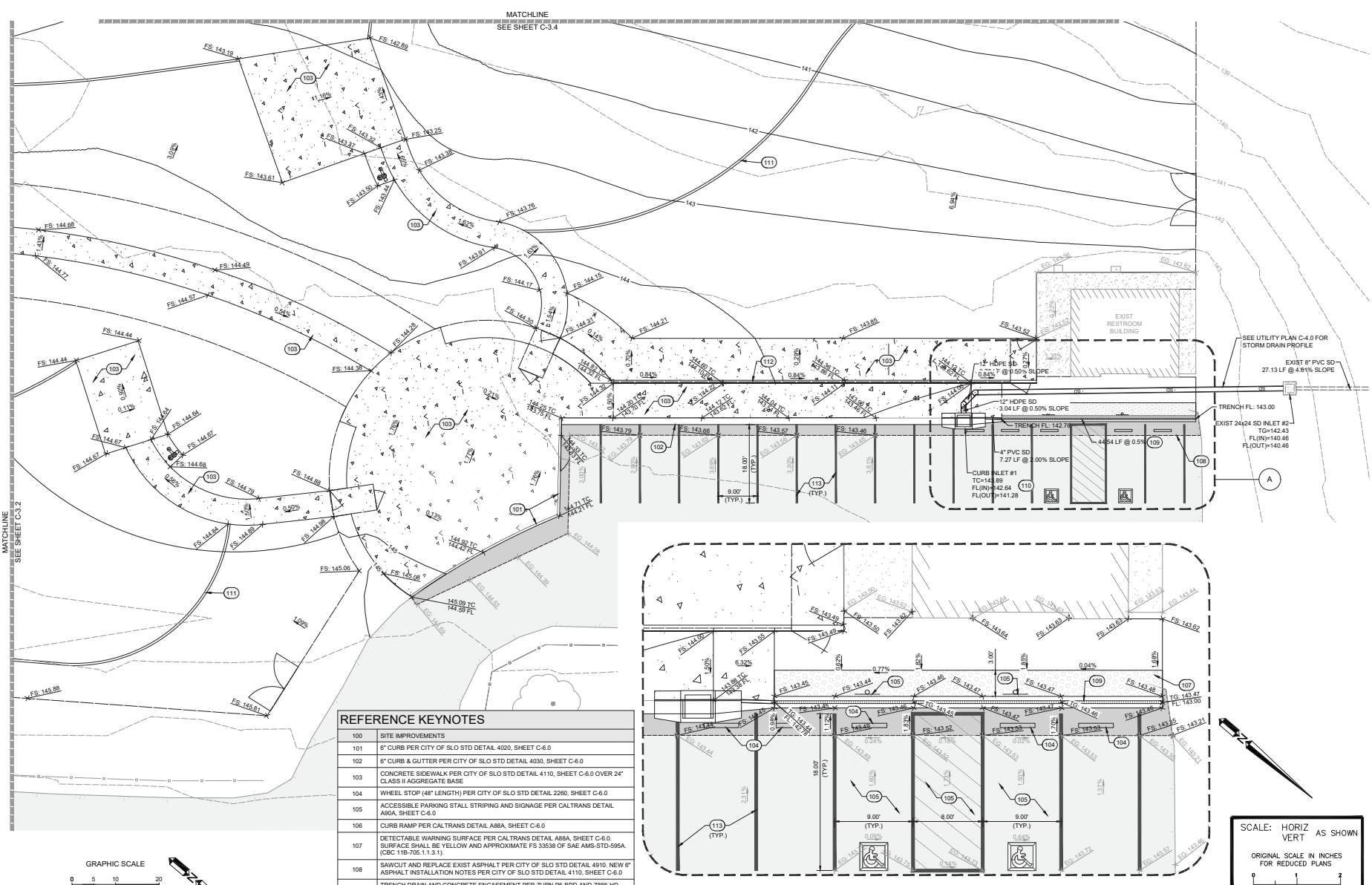
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SHEET TITLE:

DESIGNED BY:  
DRAWN BY:  
CHECKED BY:  
APPROVED BY:

DATE: 12/21/2023  
CITY SPECIFICATION NO:  
200526-01

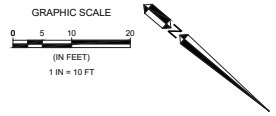
SHEET NO:  
**C-3.1**

9 OF 31



**REFERENCE KEYNOTES**

100	SITE IMPROVEMENTS
101	6" CURB PER CITY OF SLO STD DETAIL 4020, SHEET C-6.0
102	6" CURB & GUTTER PER CITY OF SLO STD DETAIL 4030, SHEET C-6.0
103	CONCRETE SIDEWALK PER CITY OF SLO STD DETAIL 4110, SHEET C-6.0 OVER 24" CLASS II AGGREGATE BASE
104	WHEEL STOP (48" LENGTH) PER CITY OF SLO STD DETAIL 2260, SHEET C-6.0
105	ACCESSIBLE PARKING STALL STRIPING AND SIGNAGE PER CALTRANS DETAIL A90A, SHEET C-6.0
106	CURB RAMP PER CALTRANS DETAIL A88A, SHEET C-6.0
107	DETECTABLE WARNING SURFACE PER CALTRANS DETAIL A88A, SHEET C-6.0. SURFACE SHALL BE YELLOW AND APPROXIMATE FS 33538 OF SAE AMS-STD-509A (CNC 110-705.11.3.1).
108	SAWCUT AND REPLACE EXIST ASPHALT PER CITY OF SLO STD DETAIL 4910. NEW 6" ASPHALT INSTALLATION NOTES PER CITY OF SLO STD DETAIL 4110, SHEET C-6.0
109	TRENCH DRAIN AND CONCRETE ENCASMENT PER ZURN P6-BDD AND Z886-HD, SHEET C-6.0 AND DETAIL 1, SHEET C-6.0
110	CURB INLET PER CITY OF SLO STD DETAIL 3350, SHEET C-6.1
111	CONCRETE EDGING (LANDSCAPE CURB), SEE SHEETS SL-1 AND SL-2 FOR DETAIL
112	6" CURB PER CITY OF SLO STD DETAIL 4020, SHEET C-6.0
113	SINGLE STRIPE PARKING STALLS PER CITY OF SLO STD DETAIL 2260, SHEET C-6.1
114	INSTALL NEW LOG BARRIER PER DETAIL 30, SHEET C-6.1

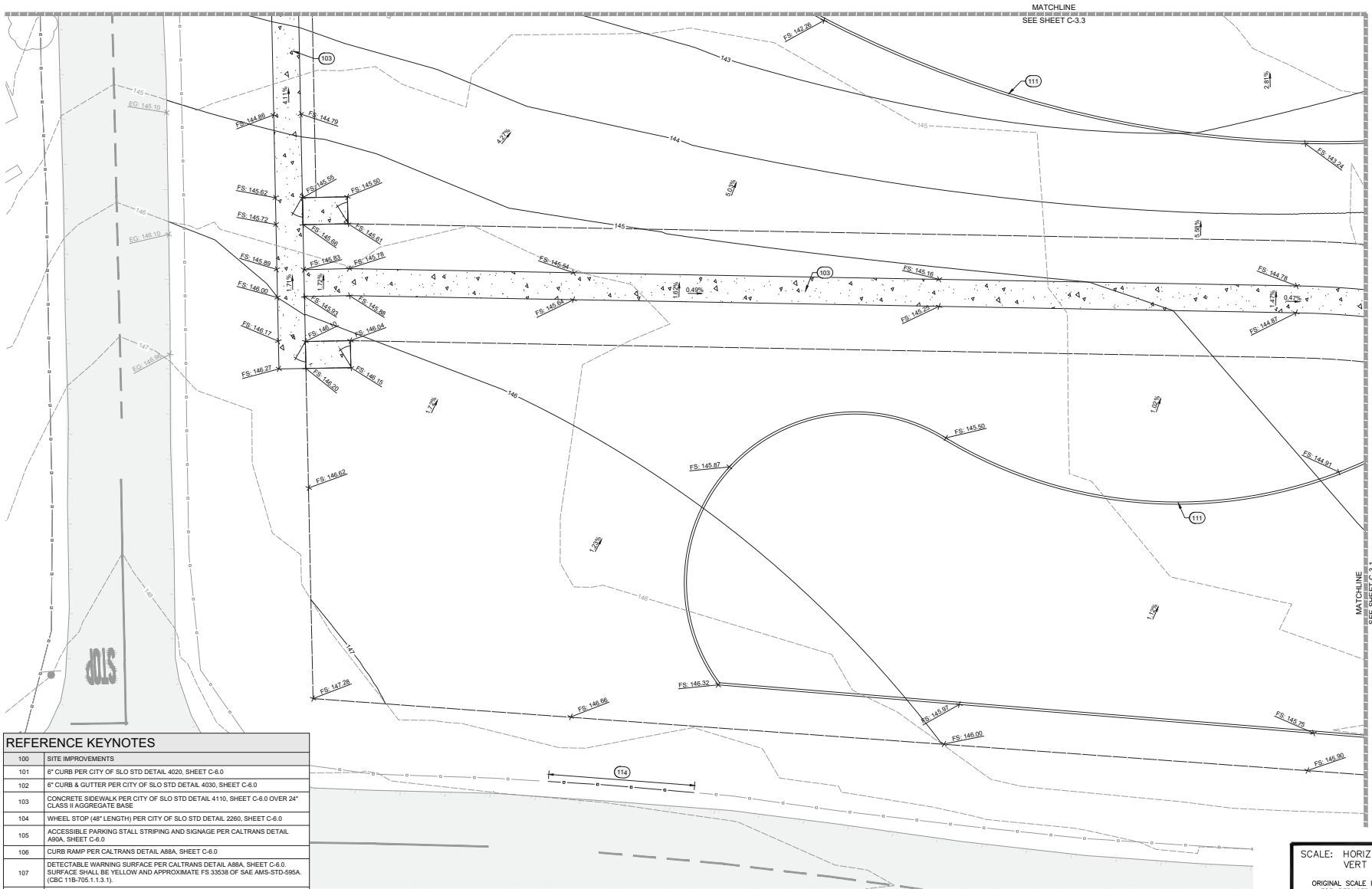


**A GRADING DETAIL**

Scale: 1"=5'

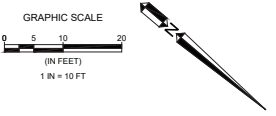
SCALE: HORIZ AS SHOWN  
VERT AS SHOWN  
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

DATE	REVISIONS		APPROVAL	
	NO.	DESCRIPTION	DESIGN	CITY



**REFERENCE KEYNOTES**

100	SITE IMPROVEMENTS
101	6" CURB PER CITY OF SLO STD DETAIL 4020, SHEET C-6.0
102	6" CURB & GUTTER PER CITY OF SLO STD DETAIL 4030, SHEET C-6.0
103	CONCRETE SIDEWALK PER CITY OF SLO STD DETAIL 4110, SHEET C-6.0 OVER 24" CLASS II AGGREGATE BASE
104	WHEEL STOP (48" LENGTH) PER CITY OF SLO STD DETAIL 2260, SHEET C-6.0
105	ACCESSIBLE PARKING STALL STRIPING AND SIGNAGE PER CALTRANS DETAIL A90A, SHEET C-6.0
106	CURB RAMP PER CALTRANS DETAIL A88A, SHEET C-6.0
107	DETECTABLE WARNING SURFACE PER CALTRANS DETAIL A81A, SHEET C-6.0. SURFACE SHALL BE YELLOW AND APPROXIMATE FS 33538 OF SAE AMS-STD-595A. (CIBC 118-705:1.1.3.1)
108	SAWCUT AND REPLACE EXIST ASPHALT PER CITY OF SLO STD DETAIL 4910. NEW 6" ASPHALT INSTALLATION NOTES PER CITY OF SLO STD DETAIL 4110, SHEET C-6.0
109	TRENCH DRAIN AND CONCRETE ENCASEMENT PER ZURN P6-BDD AND Z886-HD, SHEET C-6.0 AND DETAIL 1, SHEET C-6.0
110	CURB INLET PER CITY OF SLO STD DETAIL 3350, SHEET C-6.1
111	CONCRETE EDGING (LANDSCAPE CURB), SEE SHEETS SL-1 AND SL-2 FOR DETAIL
112	6" CURB PER CITY OF SLO STD DETAIL 4020, SHEET C-6.0
113	SINGLE STRIPE PARKING STALLS PER CITY OF SLO STD DETAIL 2250, SHEET C-6.1
114	INSTALL NEW LOG BARRIER PER DETAIL 30, SHEET C-6.1



SCALE: HORIZ AS SHOWN  
VERT AS SHOWN  
ORIGINAL SCALE IN INCHES  
FOR REDUCED PLANS

DATE	REVISIONS	APPROVAL	
		DESIGN	CITY



PROJECT ENGINEER

PLANS APPROVAL DATE

CIVIL AND LANDSCAPE ARCHITECTS  
 LANDSCAPE ARCHITECT  
 ARCHITECTURAL ENGINEER  
 PUBLIC WORKS ENGINEER  
 WATER RESOURCES  
 612 CLARION COURT  
 SAN LUIS OBISPO, CA 95071  
 (805) 474-8800  
 www.bonbrun.us



**LAGUNA LAKE DOG PARK  
REVITALIZATION  
GRADING PLAN**

PROJECT TITLE:  
SHEET TITLE:

DESIGNED BY:  
DRAWN BY:  
CHECKED BY:  
APPROVED BY:

DATE: 12/21/2023  
CITY SPECIFICATION NO: 200526-01

SHEET NO: **C-3.2**

SHEET NO: **10 OF 31**



PROJECT ENGINEER

PLANS APPROVAL DATE

612 CLAYTON COURT  
SAN LUIS OBISPO, CA 95071  
www.bdmgroup.com



# LAGUNA LAKE DOG PARK REVITALIZATION GRADING PLAN

PROJECT TITLE:  
SHEET TITLE:

DESIGNED BY:  
BDH  
DRAWN BY:  
CPK  
CHECKED BY:  
BDH  
APPROVED BY:

DATE: 12/21/2023

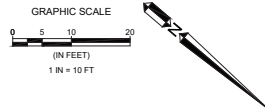
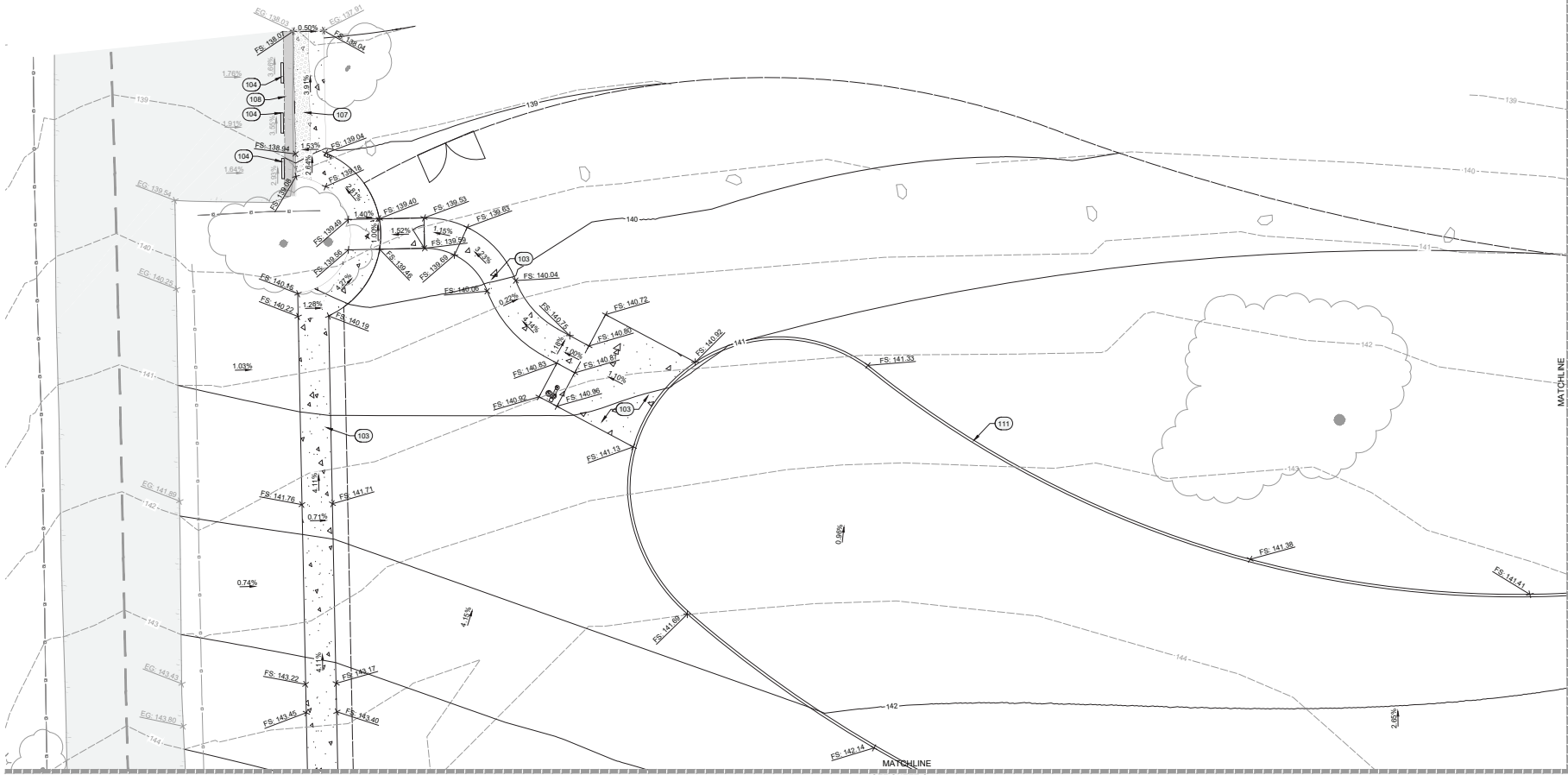
CITY SPECIFICATION NO:  
200526-01

SHEET NO:

**C-3.3**

SHEET NO:

**11 OF 31**



### REFERENCE KEYNOTES

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101	6" CURB PER CITY OF SLO STD DETAIL 4020, SHEET C-6.0
102	6" CURB & GUTTER PER CITY OF SLO STD DETAIL 4030, SHEET C-6.0
103	CONCRETE SIDEWALK PER CITY OF SLO STD DETAIL 4110, SHEET C-6.0 OVER 24" CLASS II AGGREGATE BASE
104	WHEEL STOP (48" LENGTH) PER CITY OF SLO STD DETAIL 2280, SHEET C-6.0
105	ACCESSIBLE PARKING STALL STRIPING AND SIGNAGE PER CALTRANS DETAIL ASGA, SHEET C-6.0
106	CURB RAMP PER CALTRANS DETAIL A88A, SHEET C-6.0
107	DETECTABLE WARNING SURFACE PER CALTRANS DETAIL A88A, SHEET C-6.0. SURFACE SHALL BE YELLOW AND APPROXIMATE FS 33538 OF SAE AMS-STD-595A. (CBC 11B-705.1.1.3.1)
108	SAWCUT AND REPLACE EXIST ASPHALT PER CITY OF SLO STD DETAIL 4810, NEW 6" ASPHALT INSTALLATION NOTES PER CITY OF SLO STD DETAIL 4110, SHEET C-6.0
109	TRENCH DRAIN AND CONCRETE ENCASMENT PER ZURN P6-BDD AND Z886-HD, SHEET C-6.0 AND DETAIL 1, SHEET C-6.0
110	CURB INLET PER CITY OF SLO STD DETAIL 3350, SHEET C-6.1
111	CONCRETE EDGING (LANDSCAPE CURB), SEE SHEETS SL-1 AND SL-2 FOR DETAIL
112	6" CURB PER CITY OF SLO STD DETAIL 4020, SHEET C-6.0
113	SINGLE STRIPE PARKING STALLS PER CITY OF SLO STD DETAIL 2250, SHEET C-6.1
114	INSTALL NEW LOG BARRIER PER DETAIL 30, SHEET C-6.1

SCALE: HORIZ AS SHOWN  
VERT AS SHOWN  
ORIGINAL SCALE IN INCHES  
FOR REDUCED PLANS

DATE	REVISIONS	APPROVAL	
		DESIGN	CITY



PROJECT ENGINEER

PLANS APPROVAL DATE

DATE AND TIME OF PLAN REVIEW: 12/21/2023 10:00 AM  
DESIGNED BY: BDH  
DRAWN BY: CPK  
CHECKED BY: BDH  
APPROVED BY:  
CITY SPECIFICATION NO: 200526-01  
SHEET NO: C-3.4  
SHEET DES: 12 OF 31



# LAGUNA LAKE DOG PARK REVITALIZATION GRADING PLAN

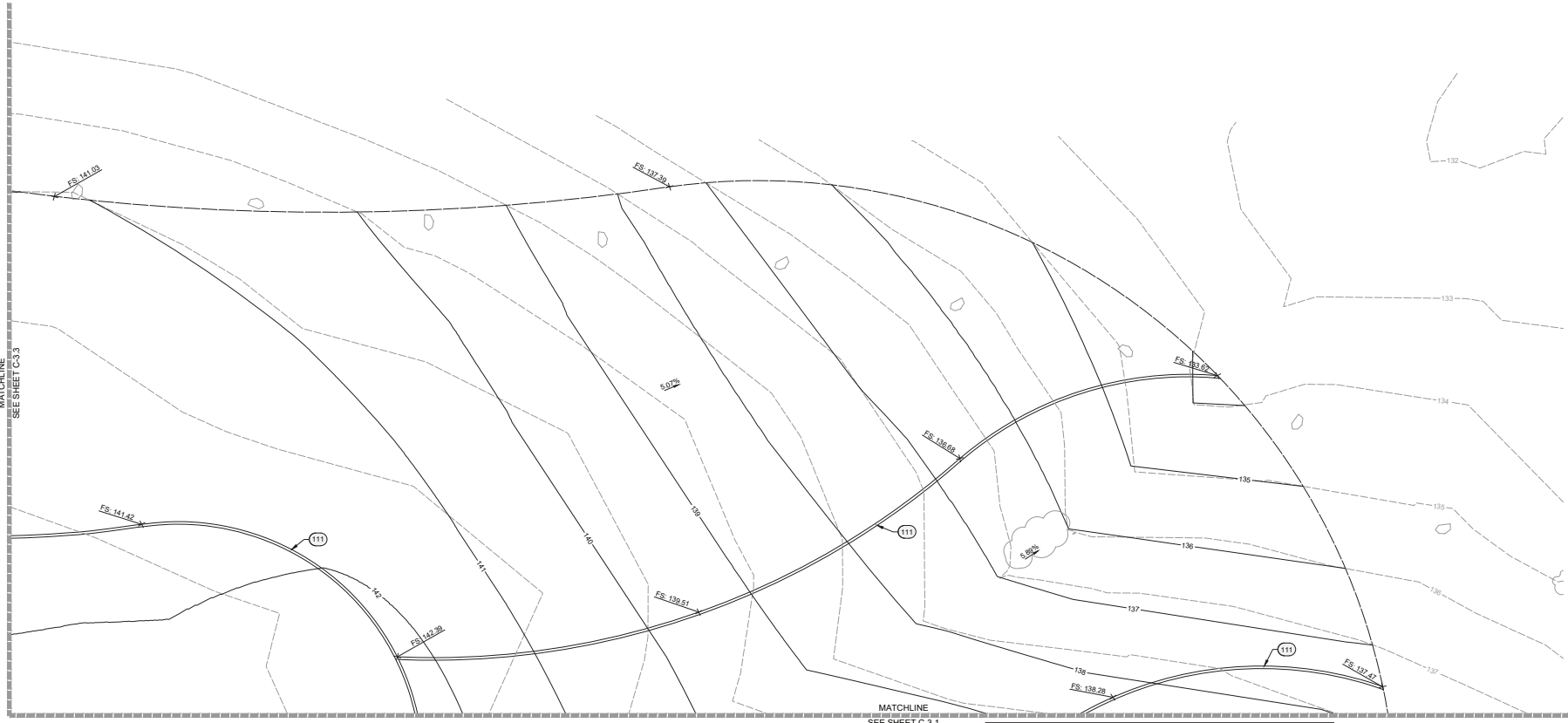
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SHEET TITLE:

DESIGNED BY:  
DRAWN BY:  
CHECKED BY:  
APPROVED BY:

DATE: 12/21/2023  
CITY SPECIFICATION NO: 200526-01

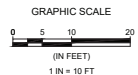
SHEET NO: **C-3.4**

12 OF 31



MATCHLINE  
SEE SHEET C-3.3

MATCHLINE  
SEE SHEET C-3.1



### REFERENCE KEYNOTES

100	SITE IMPROVEMENTS
101	6" CURB PER CITY OF SLO STD DETAIL 4020, SHEET C-6.0
102	6" CURB & GUTTER PER CITY OF SLO STD DETAIL 4030, SHEET C-6.0
103	CONCRETE SIDEWALK PER CITY OF SLO STD DETAIL 4110, SHEET C-6.0 OVER 24" CLASS II AGGREGATE BASE
104	WHEEL STOP (48" LENGTH) PER CITY OF SLO STD DETAIL 2260, SHEET C-6.0
105	ACCESSIBLE PARKING STALL STRIPING AND SIGNAGE PER CALTRANS DETAIL 880A, SHEET C-6.0
106	CURB RAMP PER CALTRANS DETAIL 888A, SHEET C-6.0
107	DETECTABLE WARNING SURFACE PER CALTRANS DETAIL 888A, SHEET C-6.0. SURFACE SHALL BE YELLOW AND APPROXIMATE FS 33538 OF SAE AMS-STD-595A. (CBC 11B-705.1.1.3.1)
108	SAWCUT AND REPLACE EXIST ASPHALT PER CITY OF SLO STD DETAIL 4910. NEW 6" ASPHALT INSTALLATION NOTES PER CITY OF SLO STD DETAIL 4110, SHEET C-6.0
109	TRENCH DRAIN AND CONCRETE ENCASUREMENT PER ZURN P9-6DD AND Z886-HD, SHEET C-6.0 AND DETAIL 1, SHEET C-6.0
110	CURB INLET PER CITY OF SLO STD DETAIL 3350, SHEET C-6.1
111	CONCRETE EDGING (LANDSCAPE CURB). SEE SHEETS SL-1 AND SL-2 FOR DETAIL
112	8" CURB PER CITY OF SLO STD DETAIL 4020, SHEET C-6.0
113	SINGLE STRIPE PARKING STALLS PER CITY OF SLO STD DETAIL 2290, SHEET C-6.1
114	INSTALL NEW LOG BARRIER PER DETAIL 30, SHEET C-6.1

SCALE: HORIZ AS SHOWN  
VERT AS SHOWN  
ORIGINAL SCALE IN INCHES  
FOR REDUCED PLANS

DATE	REVISIONS	APPROVAL	
		DESIGN	CITY



PROJECT ENGINEER

PLANS APPROVAL DATE

DATE AND TIME OF THIS DRAWING: 12/21/2023 10:00 AM  
DRAWN BY: CPK  
CHECKED BY: BDH  
APPROVED BY: [Signature]  
CITY SPECIFICATION NO. 200526-01  
SHEET NO. C-4.0  
SHEET TITLE: LAGUNA LAKE DOG PARK REVITALIZATION UTILITY PLAN



# LAGUNA LAKE DOG PARK REVITALIZATION UTILITY PLAN

PROJECT TITLE: LAGUNA LAKE DOG PARK REVITALIZATION UTILITY PLAN  
SHEET TITLE: C-4.0

DESIGNED BY: BDH  
DRAWN BY: CPK  
CHECKED BY: BDH  
APPROVED BY: [Signature]

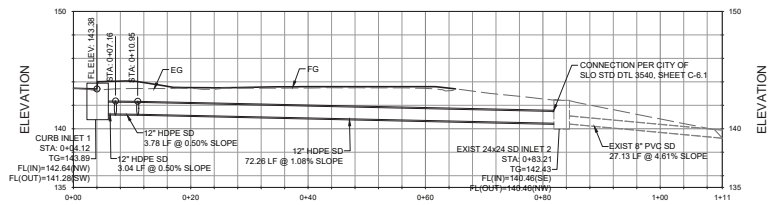
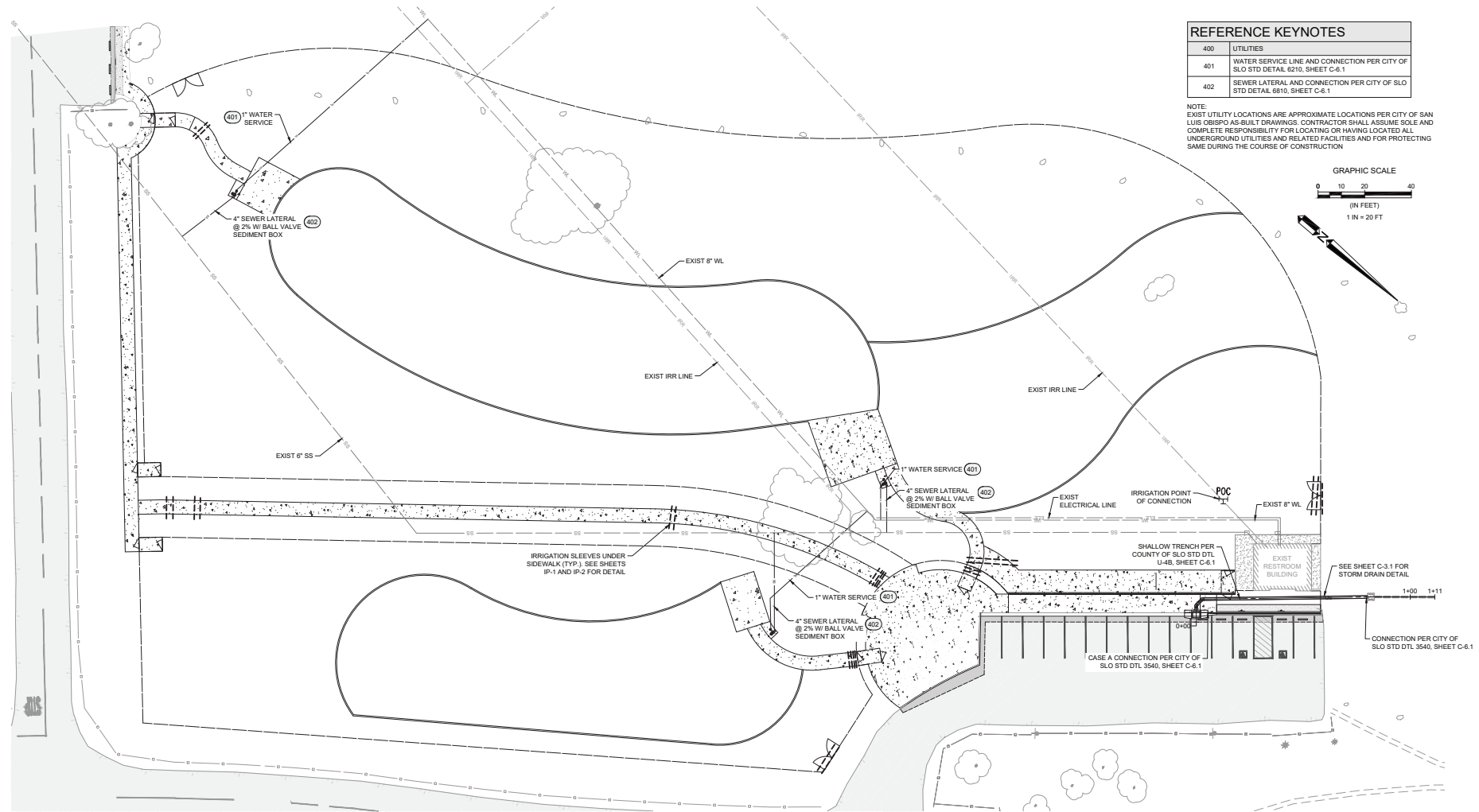
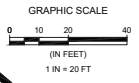
DATE: 12/21/2023  
CITY SPECIFICATION NO. 200526-01

SHEET NO. **C-4.0**

13 OF 31

REFERENCE KEYNOTES	
400	UTILITIES
401	WATER SERVICE LINE AND CONNECTION PER CITY OF SLO STD DETAIL 6210, SHEET C-6.1
402	SEWER LATERAL AND CONNECTION PER CITY OF SLO STD DETAIL 6810, SHEET C-6.1

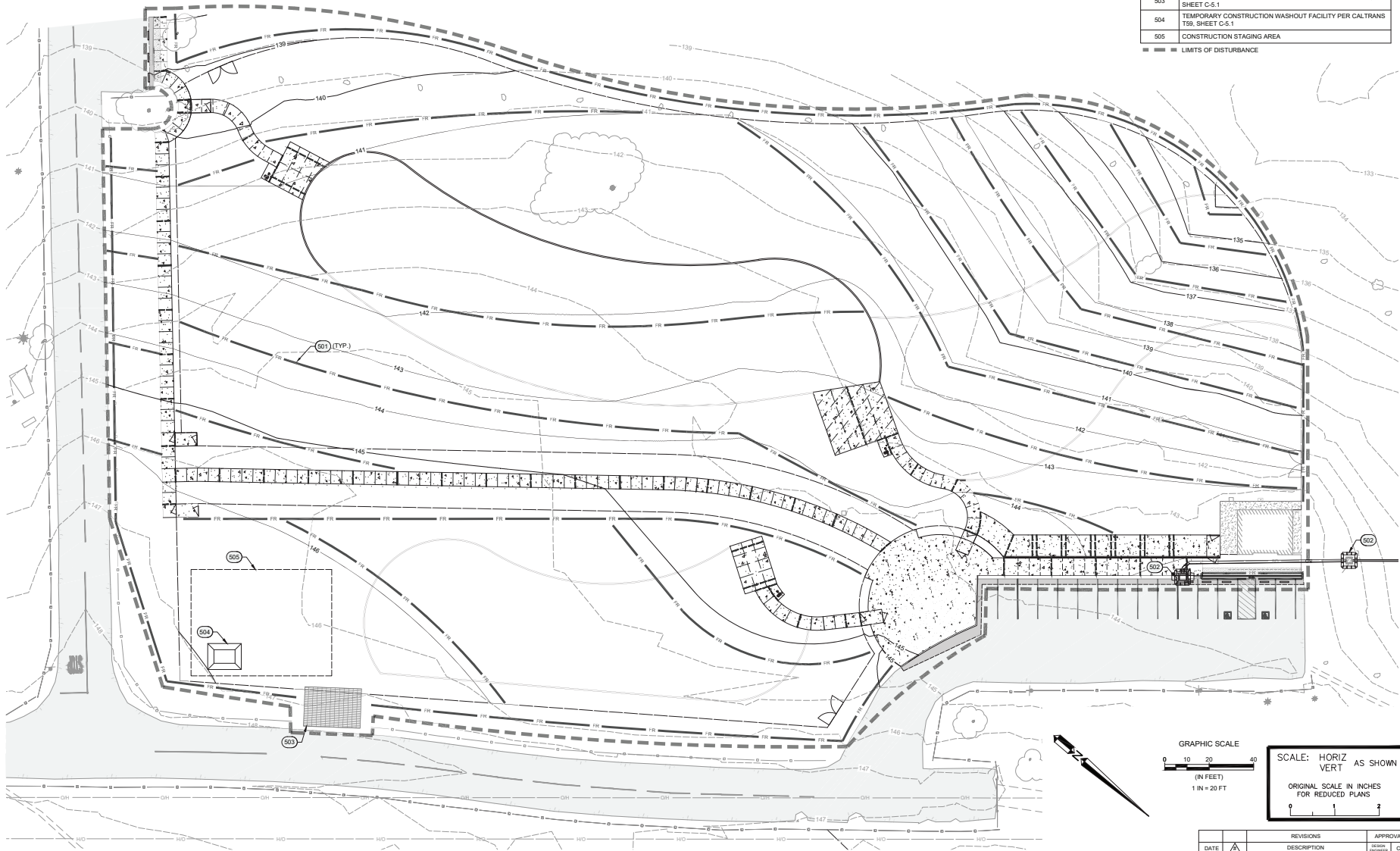
NOTE: EXIST UTILITY LOCATIONS ARE APPROXIMATE LOCATIONS PER CITY OF SAN LUIS OBISPO AS-BUILT DRAWINGS. CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR LOCATING OR HAVING LOCATED ALL UNDERGROUND UTILITIES AND RELATED FACILITIES AND FOR PROTECTING SAME DURING THE COURSE OF CONSTRUCTION



STATION  
**1** STORM DRAIN  
Scale: 1"= 10'

SCALE: HORIZ AS SHOWN  
VERT 1"= 4'  
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

DATE	REVISIONS DESCRIPTION	APPROVAL	
		DESIGN	CITY



REFERENCE KEYNOTES	
TEMPORARY EROSION CONTROL	
501	FIBER ROLL PER CALTRANS BMP SC-5 AND T56, SHEET C-5.1
502	TEMPORARY DRAINAGE INLET PROTECTION TYPE 3A - GRAVEL BAG BERM PER CALTRANS BMP SC-10 AND T52, SHEET C-5.1
503	TEMPORARY CONSTRUCTION ENTRANCE PER CALTRANS T58, SHEET C-5.1
504	TEMPORARY CONSTRUCTION WASHOUT FACILITY PER CALTRANS T59, SHEET C-5.1
505	CONSTRUCTION STAGING AREA
--- LIMITS OF DISTURBANCE	



PROJECT ENGINEER

PLANS APPROVAL DATE

CIVIL AND LANDSCAPE ARCHITECTS  
 612 CLAYTON COURT  
 SAN LUIS OBISPO, CA 95071  
 WWW.BORTRONICS.COM



**LAGUNA LAKE DOG PARK  
 REVITALIZATION  
 EROSION CONTROL PLAN**

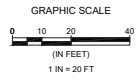
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 SHEET TITLE:

DESIGNED BY: BDH  
 DRAWN BY: CPK  
 CHECKED BY: BDH  
 APPROVED BY:

DATE: 12/21/2023  
 CITY SPECIFICATION NO: 200526-01

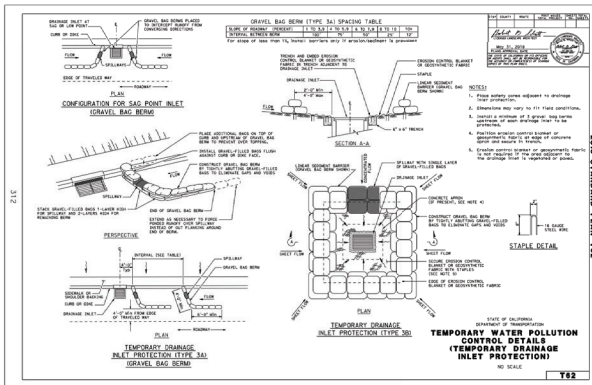
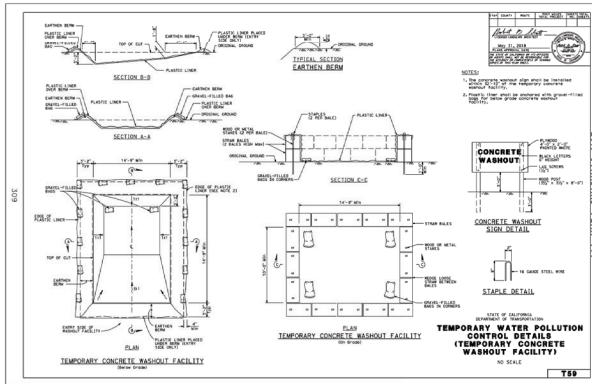
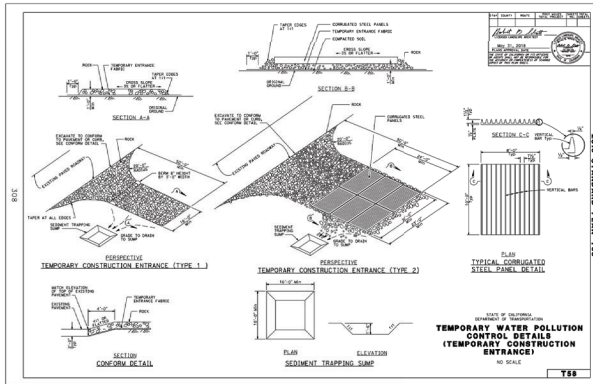
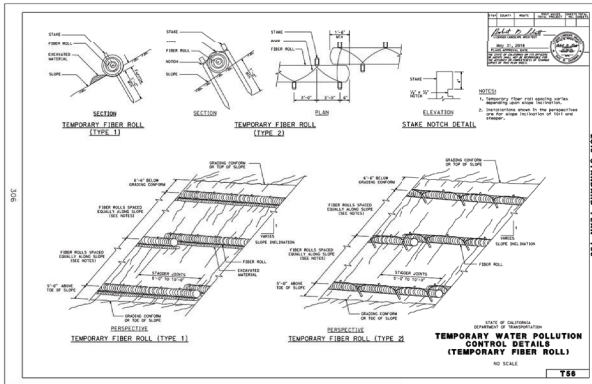
SHEET NO: **C-5.0**

14 OF 31



SCALE: HORIZ AS SHOWN  
 VERT AS SHOWN  
 ORIGINAL SCALE IN INCHES  
 FOR REDUCED PLANS

DATE	REVISIONS	APPROVAL	
		DATE	CITY



### Stockpile Management WM-3

**Definition and Purpose**  
 Stockpile management procedures and practices are designed to reduce or eliminate air and storm water pollution from stockpiles of soil, and paving materials such as portland cement concrete (PCC) rubble, asphalt concrete (ACA), asphalt concrete rubble, aggregate base, aggregate subbase or pre-treated aggregate, asphalt binder (so called "cold mix" asphalt) and pressure treated wood.

**Appropriate Applications**  
 Implemented in all projects that stockpile soil and other materials.

**Limitations**  
 Use of plastic cover might be restricted depending on the location of the site and regulatory permits.

**Standards and Specifications**  
 Stockpiles must comply with Standard Specification 13-4.03C (3) Stockpile Management.  
 Protection of stockpiles is a year-round requirement.  
 Locate stockpiles a minimum of 50 ft. away from concentrated flows of storm water, drainage courses, and inlets.  
 Utilize run-on and run-off BMPs to ensure stockpile materials are protected and do not have the potential to discharge material.  
 Implement wind erosion control practices as appropriate on all stockpile material. For specific information on see WE-1, "Wind Erosion Control."

**Standard Symbol**

**BMP Objectives**

**Caltrans Storm Water Quality Handbooks**  
 Construction Site BMP Manual May 2017

**Section 8**  
 Stockpile Management (WS-2) 1 of 3

### Sanitary and Septic Waste Management WM-9

**Definition and Purpose**  
 Procedures and practices to minimize or eliminate the discharge of construction site sanitary and septic waste materials to the storm drain system or to receiving waters.

**Appropriate Applications**  
 Sanitary/septic waste management practices are implemented on all construction sites that use temporary or portable sanitary and septic waste systems.

**Limitations**  
 None identified.

**Standards and Specifications**  
**Education**  
 Educate employees, subcontractors, and suppliers on sanitary and septic waste storage and disposal procedures.  
 Educate employees, subcontractors, and suppliers of potential dangers to humans and the environment from sanitary/septic wastes.  
 Instruct employees, subcontractors, and suppliers in identification of sanitary/septic waste.  
 Hold regular meetings to discuss and reinforce disposal procedures (incorporate into regular safety meetings and tailgates).  
 Establish a continuing education program to indoctrinate new employees.

**Standard Symbol**

**BMP Objectives**

**Caltrans Storm Water Quality Handbooks**  
 Construction Site BMP Manual May 2017

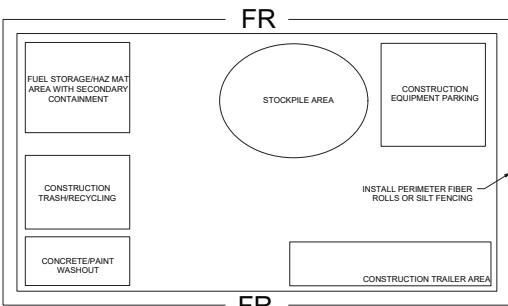
**Section 8**  
 Sanitary and Septic Waste Management (WS-2) 1 of 2

**GENERAL NOTES**

- CALTRANS CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMP) MANUAL (DATED MAY 2017) "FACT SHEETS" SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REFER TO ORIGINAL CALTRANS CONSTRUCTION SITE BMP MANUAL (MAY 2017) FOR ENTIRE "FACT SHEET" INFORMATION AND DOCUMENTATION.

**SCALE: HORIZ AS SHOWN**  
**VERT AS SHOWN**  
 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

DATE	REVISIONS	APPROVAL	
		DESIGN	CITY



**505 CONSTRUCTION STAGING AREA**  
 Scale: N.T.S.



PROJECT ENGINEER

PLANS APPROVAL DATE

612 CLAYTON COURT  
 SAN LUIS OBISPO, CA 95070  
 www.burtoncorp.com



**LAGUNA LAKE DOG PARK REVITALIZATION**  
**EROSION CONTROL DETAILS**

PROJECT TITLE:  
 SHEET TITLE:

DESIGNED BY: BDH  
 DRAWN BY: CPK  
 CHECKED BY: BDH  
 APPROVED BY:

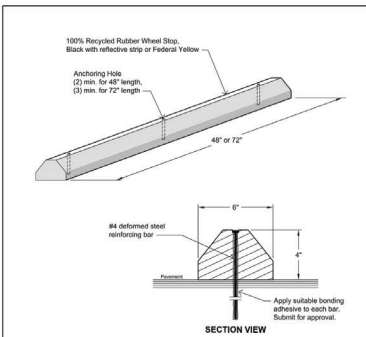
DATE: 12/21/2023

CITY SPECIFICATION NO: 200526-01

SHEET NO: **C-5.1**

SHEET NO:

**15 OF 31**



**GENERAL NOTES:**

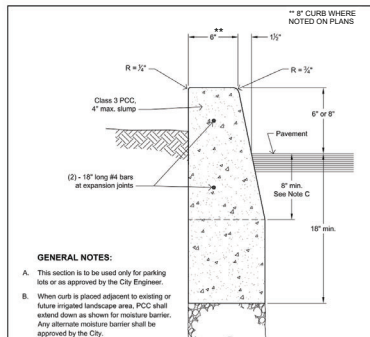
A. Wheel stop shall be installed at location where wheeled vehicles may roll into pedestrian, structures, or hazardous areas. Wheel stop location shall not create a barrier for pedestrians.

B. Wheel stop shall be securely attached onto grade concrete and aggregate asphalt pavement with #4 deformed steel reinforcing bars embedded in holes cast into wheel stops.

C. Concrete pavement, drill holes in pavement for dowels. At parking structure slabs, epoxy to slab.

REVISIONS	BY	APP	DATE
New Standard	JSL	RL	4-13
Revision Note A	JSL	RL	3-12

STANDARD CURRENT AS OF: AUGUST 2020



**GENERAL NOTES:**

A. This section is to be used only for parking lots as approved by the City Engineer.

B. When curb is placed adjacent to existing or future impinged landscape area, PCC shall extend down as shown for measure barrier. Any alternate measure barrier shall be approved by the City.

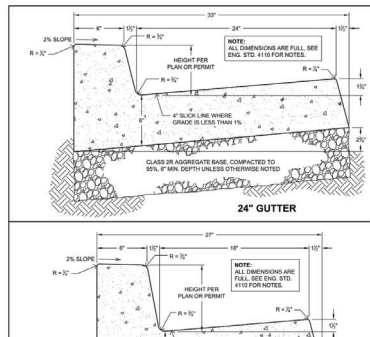
C. When curb is not located as in Note B, depth may be reduced.

D. Expansion joints shall be placed at corners, B/Cs and E/Cs, and at 30' maximum spacing.

E. See Engineering Standard 4110 for notes regarding required pavement removal and repair.

REVISIONS	BY	APP	DATE
Allow Class 2B Base	CHSR	RL	11-08
Change Dimension Correction	JSL	RL	1-20
Change Note	JSL	RL	10-22

STANDARD CURRENT AS OF: AUGUST 2020



**GENERAL NOTES:**

A. This section is to be used only for parking lots as approved by the City Engineer.

B. When gutter is placed adjacent to existing or future impinged landscape area, PCC shall extend down as shown for measure barrier. Any alternate measure barrier shall be approved by the City.

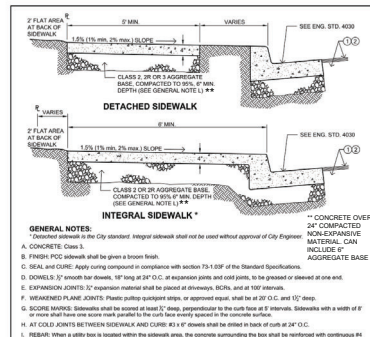
C. When gutter is not located as in Note B, depth may be reduced.

D. Expansion joints shall be placed at corners, B/Cs and E/Cs, and at 30' maximum spacing.

E. See Engineering Standard 4110 for notes regarding required pavement removal and repair.

REVISIONS	BY	APP	DATE
Drafting edit	JSL	RL	10-12
Change Dimension Correction	JSL	RL	9-21
Change Note	AW	RL	1-20

STANDARD CURRENT AS OF: AUGUST 2020



**GENERAL NOTES:**

A. This section is to be used only for parking lots as approved by the City Engineer.

B. When gutter is placed adjacent to existing or future impinged landscape area, PCC shall extend down as shown for measure barrier. Any alternate measure barrier shall be approved by the City.

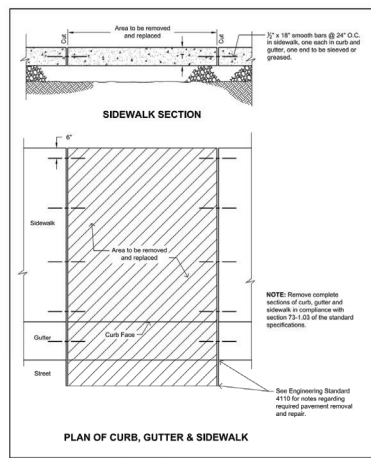
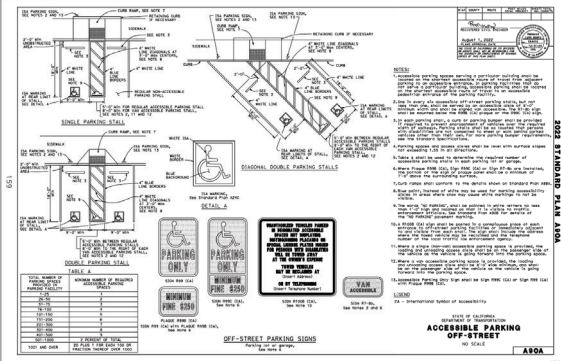
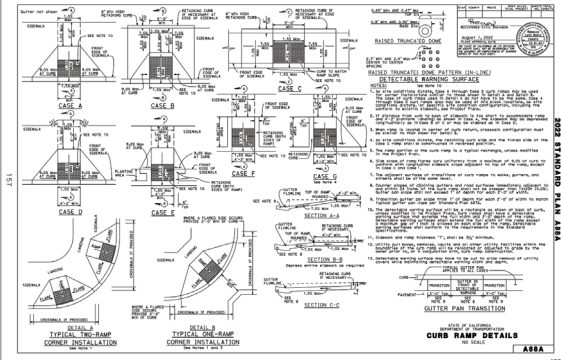
C. When gutter is not located as in Note B, depth may be reduced.

D. Expansion joints shall be placed at corners, B/Cs and E/Cs, and at 30' maximum spacing.

E. See Engineering Standard 4110 for notes regarding required pavement removal and repair.

REVISIONS	BY	APP	DATE
Allow Class 2B Base	CHSR	RL	11-08
Change Dimension Correction	JSL	RL	1-20
Change Note	JSL	RL	10-22

STANDARD CURRENT AS OF: AUGUST 2020



**CUTTING CONCRETE**

See Engineering Standard 4110 for notes regarding required pavement removal and repair.

REVISIONS	BY	APP	DATE
Revised Concrete Note	SR	RL	2-24
Revised Cut Detail, Revised Note	SR	RL	7-14
Drafting edit	JSL	RL	7-12

STANDARD CURRENT AS OF: AUGUST 2020

**ZURN Z886-HD 6-3/4" (171) WIDE REVEAL TRENCH DRAIN SYSTEM WITH HEAVY-DUTY FRAME ASSEMBLY**

**SPECIFICATION SHEET TAG**

Dimensional Data (inches and [mm]) are Subject to Manufacturing Tolerances and Change Without Notice.

Item	Part No.	Qty	Unit	Notes
1	Z886-HD	1	Linear Foot	Standard
2	Z886-HD	1	Linear Foot	Standard

**REVISIONS:**

REVISIONS	BY	APP	DATE
1	JSL	RL	10-12
2	JSL	RL	10-12

**ZURN P6-BDD 6 (152) Wide Decorative Grate**

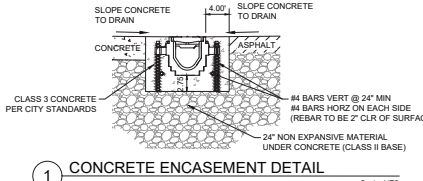
Dimensional Data (inches and [mm]) are Subject to Manufacturing Tolerances and Change Without Notice. Lower [mm] Area [mm] X [mm] Height [mm].

Part No.	Part Number	Part ID
4	67806	P6-BDD

**BDD GRATE ENGINEERING SPECIFICATION:** ZURN P6-BDD 20" (508mm) X 5-3/8" (137mm) Bronze diagonal decorative grate, weighing 8.9 lbs per linear foot (10.2kg/m). The grate has an open area of 17.3 sq ft per linear foot (377mm<sup>2</sup>). Grate conforms to DIN rating of A, ANSI rating of Light-Duty, ADA compliant and ASTM B882 Copper Alloy No. C844.

**REVISIONS:**

REVISIONS	BY	APP	DATE
1	JSL	RL	10-12
2	JSL	RL	10-12



**SCALE: HORIZ VERT AS SHOWN**

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

DATE	REVISIONS	APPROVAL
	DESCRIPTION	City



PROJECT ENGINEER

PLANS APPROVAL DATE

612 CLAYTON COURT  
SAN LUIS OBISPO, CA 95070  
www.wallacegroup.com



**LAGUNA LAKE DOG PARK REVITALIZATION**

**CONSTRUCTION DETAILS**

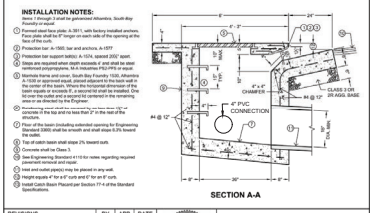
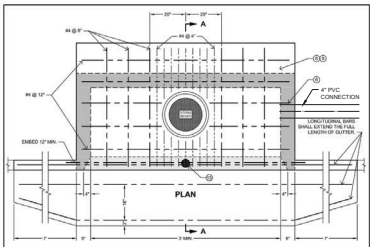
PROJECT TITLE: LAGUNA LAKE DOG PARK REVITALIZATION  
SHEET TITLE: CONSTRUCTION DETAILS

DESIGNED BY: BDH  
DRAWN BY: CPK  
CHECKED BY: BDH  
APPROVED BY:

DATE: 12/21/2023  
CITY SPECIFICATION NO: 200526-01  
SHEET NO: C-6.0  
SHEET NO:

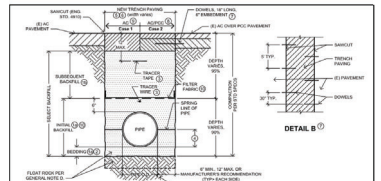
16 OF 31





REVISIONS	BY	APP	DATE
Revised Note 2	MH	RL	11/20/20
Crating note	JCL	MH	6/12/21
Revised Note 2	JCL	MH	7/24/21

**CATCH BASIN SIDE OPENING**  
STANDARD CURRENT AS OF: AUGUST 2020 3350

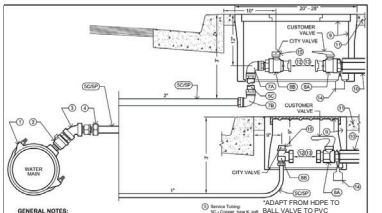


**INSTALLATION NOTES:**

- Trench backfill sand to conform with 26-1.003.
- Bedding shall be 4" thick except otherwise noted in the Standard Specifications.
- When the pipe is installed, the bedding shall be compacted and the pipe shall be backfilled to the top of the bedding.
- When the pipe is installed, the bedding shall be compacted and the pipe shall be backfilled to the top of the bedding.

REVISIONS	BY	APP	DATE
Revised Note 1, Add Bed rock note	JCL	RL	3/21/21
Revised Note 2	JCL	DA	10/12/21

**TRENCH DETAIL #1 PAVED OR UNPAVED STREETS**  
STANDARD CURRENT AS OF: AUGUST 2020 6020

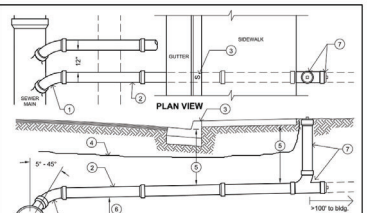


**GENERAL NOTES:**

- Water services shall be installed in accordance with the City of San Luis Obispo Water Services Manual.
- Water services shall be installed in accordance with the City of San Luis Obispo Water Services Manual.

REVISIONS	BY	APP	DATE
Revised Note 2	JCL	MH	11/22/21

**WATER SERVICES NEW REPLACEMENTS**  
STANDARD CURRENT AS OF: AUGUST 2020 6210

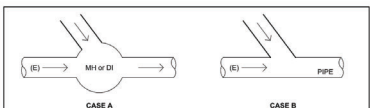


**GENERAL NOTES:**

- Sewer lateral shall be installed in accordance with the City of San Luis Obispo Sewer Lateral Standards.
- Sewer lateral shall be installed in accordance with the City of San Luis Obispo Sewer Lateral Standards.

REVISIONS	BY	APP	DATE
Revised Note 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	JCL	MH	11/22/21

**SEWER LATERAL**  
STANDARD CURRENT AS OF: AUGUST 2020 6310



**CASE A:**

- Case A hole between 1" and 2" larger than the pipe OD. Salvage the reinforcing from the manhole/catch basin. Steel shall be bent outward from the manhole.
- Concrete the pipe in place using a Class 3, 3/4" concrete mix, incorporating reinforcing steel. Concrete shall completely fill the void between the pipe and the manhole and form a collar around the pipe behind the manhole of sufficient length and thickness to cover the reinforcing steel with 2" of concrete. Concrete shall be flush with interior of existing facility. Any voids that appear in the seal between the manhole and the pipe after setting shall be patched with a non-shrink grout.
- Pipe shall be flush out with the manhole inside wall.
- Whenever possible, the new pipe should enter the manhole at an angle, pointing the flow downstream.
- The manhole shall be replaced and enlarged when the penetration from the new line will result in an inadequate section of the manhole remaining between the new penetration and existing penetrations to properly support the structure.

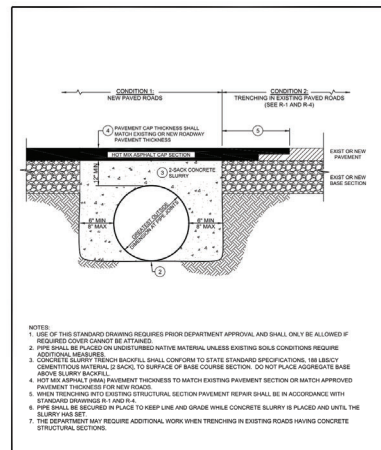
**CASE B:**

- Where a catch basin or manhole exist within 30' of the proposed connection, or the new pipe is less than 12" in size and serves a private property, the connection may be made without the installation of a manhole at the junction point. In either case, the new pipe must be at least one size smaller than the existing pipe. In all other cases a manhole shall be installed.
- Connection to an existing HDPE line shall be made using a manufactured wye connection out into the existing line with connection of the wye to the line made in accordance with the manufacturer's recommendation.
- Connection to an existing RCP line shall be made in the manner described above for connection to an existing manhole. New penetrations must be made a minimum of 3 feet from any existing penetrations.
- Connection to an existing CMP line shall be done by replacing the portion of the CMP at the junction point with a City approved pipe material and completing the connection as specified above and constructing a collar to connect the new section to the existing CMP.

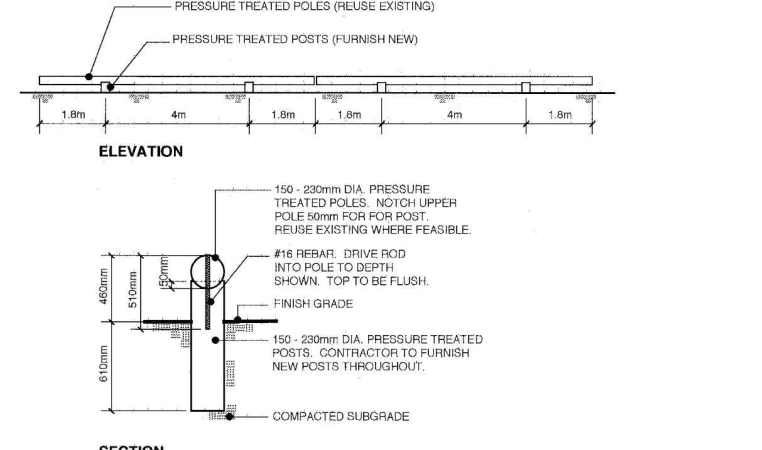
In all cases connections shall not be made to the City's storm drain system until calculations have been reviewed and approved by the City showing the existing system is capable of handling the additional water for the required design storm per the City's Watershed Management Plan and Drainage Design Manual, and for private systems, that an engineering permit has been obtained.

REVISIONS	BY	APP	DATE
Note revision #7 & 8	MH	RL	7/24/21
Crating note	JCL	MH	10/12/21
Class 3 Concrete	JCL	MH	2/12/22

**STORM DRAIN CONNECTIONS**  
STANDARD CURRENT AS OF: AUGUST 2020 3560



**DEPARTMENT OF PUBLIC WORKS - STANDARD DRAWINGS**  
**TRENCH SECTION SHALLOW TRENCH**  
STANDARD CURRENT AS OF: AUGUST 2020 U-4b



**LOG BARRIER**  
STANDARD CURRENT AS OF: AUGUST 2020 30

SCALE: HORIZ AS SHOWN  
VERT AS SHOWN  
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

DATE	REVISIONS	APPROVAL
	DESCRIPTION	DESIGN NUMBER CITY



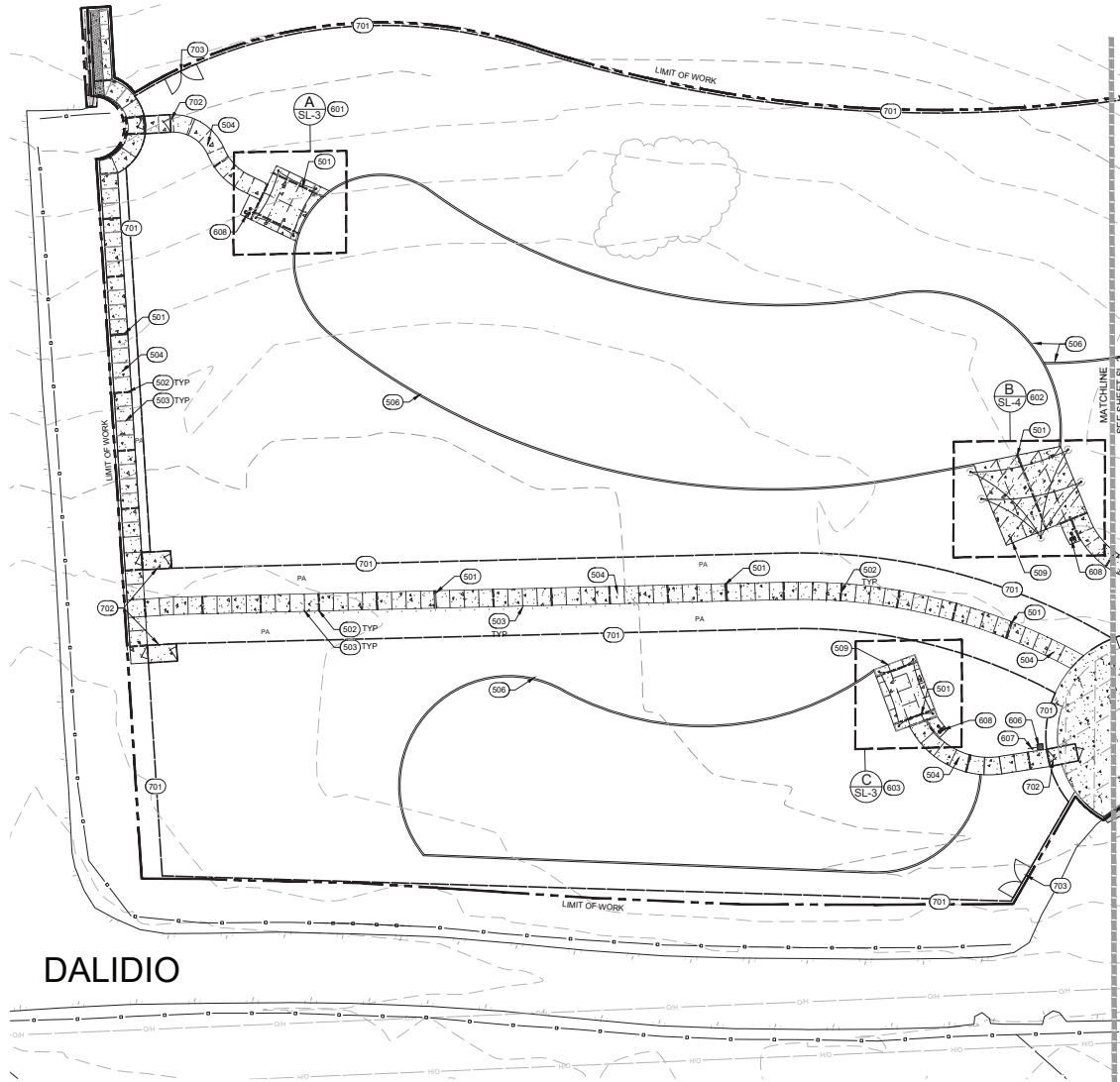
PROJECT ENGINEER

PLANS APPROVAL DATE



**LAGUNA LAKE DOG PARK REVITALIZATION**  
**CONSTRUCTION DETAILS**

DESIGNED BY: BDH  
DRAWN BY: CPK  
CHECKED BY: BDH  
APPROVED BY: [Signature]  
DATE: 12/21/2023  
CITY SPECIFICATION NO: 200526-01  
SHEET NO: **C-6.1**  
SHEET NO: **17 OF 31**



**REFERENCE KEYNOTES**

KEYNOTE	DESCRIPTION
500	SURFACE IMPROVEMENTS
501	EXPANSION JOINTS AT 100' INTERVALS (EXCEPT WHERE SHOWN OR NOTED OTHERWISE); SEE DETAIL 4110, SHEET C-6.0
502	WEAKENED PLANE JOINTS, 20" O.C. SPACING (EXCEPT WHERE SHOWN OR NOTED OTHERWISE) SEE DETAIL 4110, SHEET C-6.0
503	SCORE MARKS AT 5' INTERVALS (EXCEPT WHERE SHOWN OR NOTED OTHERWISE); SEE DETAIL 4110, SHEET C-6.0
504	CONCRETE SIDEWALK; SEE DETAIL 4110, SHEET C-6.0
505	CONCRETE EXPANSION CONTROL; SEE DETAIL 4110, SHEET C-6.0
506	CONCRETE EDGING; SEE DETAIL 8710, SHEET SD-3
507	8" CONCRETE CURB; SEE DETAIL 4020, SHEET C-6.0
508	EXISTING LANDSCAPE BOULDERS-RELOCATED;
600	SITE FURNISHINGS
601	RECTANGULAR SHADE SAIL; SEE DETAILS 2-4, SHEET SD-1, ENLARGEMENT A, SHEET SL-3, AND SPECIAL PROVISIONS
602	TRIANGULAR SHADE SAIL; SEE DETAILS 1,4.5 SHEET SD-1, ENLARGEMENT B, SHEET SL-4, AND SPECIAL PROVISIONS
603	RECTANGULAR SHADE SAIL; SEE DETAILS 2-4, SHEET SD-1, ENLARGEMENT C, SHEET SL-3, AND SPECIAL PROVISIONS
604	RECTANGULAR SHADE SAIL; SEE DETAILS 2-4, SHEET SD-1, ENLARGEMENT D, SHEET SL-3, AND SPECIAL PROVISIONS
605	RELOCATE EXISTING BLUE PLASTIC TRASH RECYCLE RECEPTACLE; SEE REF. NOTE 202, SHEET C-1.2
606	RELOCATE EXISTING CONCRETE TRASH RECEPTACLE WITH FOUR-WAY METAL LID; SEE REF. NOTE 202, SHEET C-1.2
607	EXISTING PET STATION AND SIGN-RELOCATED; SEE DETAIL 3, SHEET SD-3
608	DRINKING FOUNTAIN AND DOG WATER STATION; SEE DETAIL 1, SHEET SD-3
700	SITE IMPROVEMENTS
701	4' CHAINLINK FENCE WITH BLACK VINYL COATING; SEE DETAIL 2, SHEET SD-2
702	DOG PARK DOUBLE ENTRY GATE; SEE DETAIL 3, SHEET SD-2
703	CHAINLINK MAINTENANCE GATE; SEE DETAIL 1, SHEET SD-2
704	4' CHAINLINK FENCE WITH CONCRETE CURB; SEE DETAIL 4020, SHEET C-6.0



PROJECT ENGINEER

PLANS APPROVAL DATE

DATE AND TIME OF PLAN CHECKING:  
 PROJECT ENGINEER: [Signature]  
 LANDSCAPE ARCHITECT:  
 PUBLIC WORKS/ADMINISTRATIVE:  
 WATER RESOURCES:  
 612 CLAYTON COURT  
 SAN LUIS OBISPO, CA 95071  
 www.bonbrun.us



**LAGUNA LAKE DOG PARK  
 REVITALIZATION  
 SITE PLAN**

PROJECT TITLE:  
 SHEET TITLE:

DESIGNED BY: SLB  
 DRAWN BY: MCC  
 CHECKED BY: EAS  
 APPROVED BY:

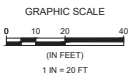
DATE: 12/21/2023

CITY SPECIFICATION NO. 200526-01

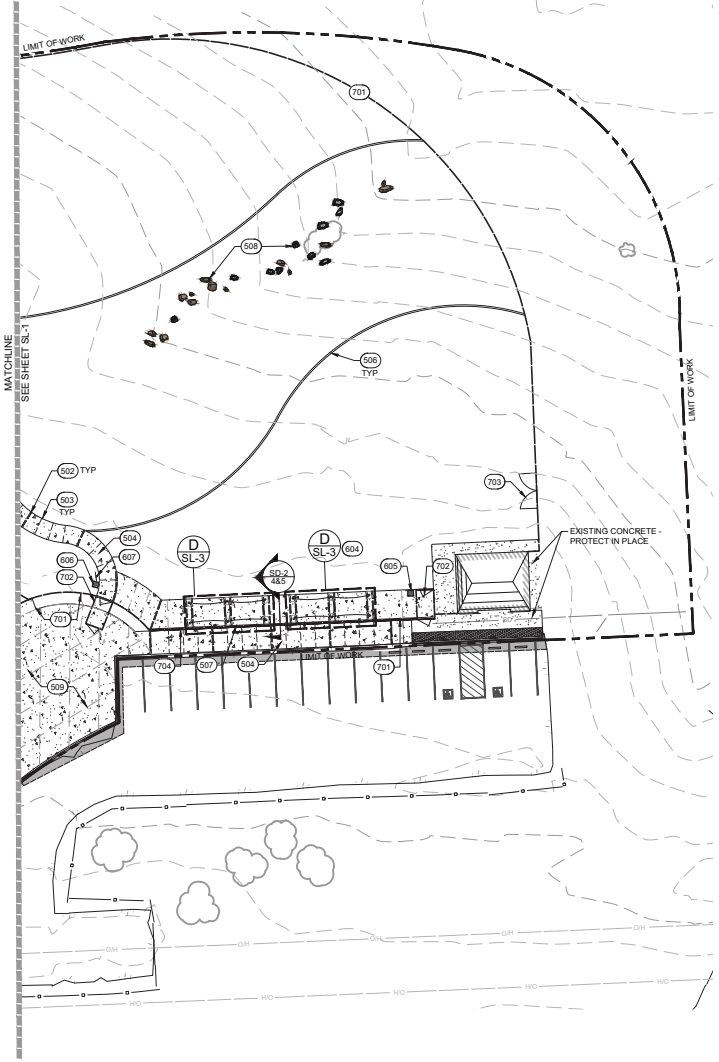
SHEET DES: **SL-1**

SHEET NO. **18 OF 31**

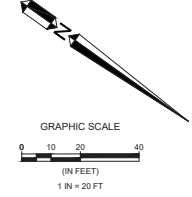
SCALE: HORIZ AS SHOWN  
 VERT AS SHOWN  
 ORIGINAL SCALE IN INCHES  
 FOR REDUCED PLANS



DATE	REVISIONS	APPROVAL	
		DATE	CITY



REFERENCE KEYNOTES	
KEYNOTE	DESCRIPTION
500	SURFACE IMPROVEMENTS
501	EXPANSION JOINTS AT 100' INTERVALS (EXCEPT WHERE SHOWN OR NOTED OTHERWISE), SEE DETAIL 4110, SHEET C-6.0
502	WEAKENED PLANE JOINTS; 20' O.C. SPACING (EXCEPT WHERE SHOWN OR NOTED OTHERWISE) SEE DETAIL 4110, SHEET C-6.0
503	SCORE MARKS AT 8' INTERVALS (EXCEPT WHERE SHOWN OR NOTED OTHERWISE), SEE DETAIL 4110, SHEET C-6.0
504	CONCRETE SIDEWALK; SEE DETAIL 4110, SHEET C-6.0
505	CONCRETE EXPANSION CONTROL; SEE DETAIL 4110, SHEET C-6.0
506	CONCRETE EDGING; SEE DETAIL 8710, SHEET SD-3
507	8" CONCRETE CURB; SEE DETAIL 4020, SHEET C-6.0
508	EXISTING LANDSCAPE BOULDERS-RELOCATED;
509	CONCRETE PLAZA/FLATWORK - SEE DETAIL 4110, SHEET C-6.0
600	SITE FURNISHINGS
601	RECTANGULAR SHADE SAIL; SEE DETAILS 2-4, SHEET SD-1, ENLARGEMENT A, SHEET SL-3, AND SPECIAL PROVISIONS
602	TRIANGULAR SHADE SAIL; SEE DETAILS 1, 4.5 SHEET SD-1, ENLARGEMENT B, SHEET SL-4, AND SPECIAL PROVISIONS
603	RECTANGULAR SHADE SAIL; SEE DETAILS 2-4, SHEET SD-1, ENLARGEMENT C, SHEET SL-3, AND SPECIAL PROVISIONS
604	RECTANGULAR SHADE SAIL; SEE DETAILS 2-4, SHEET SD-1, ENLARGEMENT D, SHEET SL-3, AND SPECIAL PROVISIONS
605	RELOCATE EXISTING BLUE PLASTIC TRASH RECYCLE RECEPTACLE; SEE REF. NOTE 202, SHEET C-1.2
606	RELOCATE EXISTING CONCRETE TRASH RECEPTACLE WITH FOUR-WAY METAL LID; SEE REF. NOTE 202, SHEET C-1.2
607	EXISTING PET STATION AND SIGN-RELOCATED; SEE DETAIL 3, SHEET SD-3
608	DRINKING FOUNTAIN AND DOG WATER STATION; SEE DETAIL 1, SHEET SD-3
700	SITE IMPROVEMENTS
701	4' CHAINLINK FENCE WITH BLACK VINYL COATING; SEE DETAIL 2, SHEET SD-2
702	DOG PARK DOUBLE ENTRY GATE; SEE DETAIL 3, SHEET SD-2
703	CHAINLINK MAINTENANCE GATE; SEE DETAIL 1, SHEET SD-2
704	4' CHAINLINK FENCE WITH CONCRETE CURB; SEE DETAIL 4020, SHEET C-6.0



SCALE: HORIZ AS SHOWN  
VERT AS SHOWN  
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

DATE	REVISIONS		APPROVAL	
	NO.	DESCRIPTION	DESIGNED BY	CITY



PROJECT ENGINEER

PLANS APPROVAL DATE

04A AND 04B DEVELOPMENT CONTRACTING  
LANDSCAPE ARCHITECTURE  
LANDSCAPE ARCHITECT  
PAUL J. JONES  
612 CLAYTON COURT  
SAN LUIS OBISPO, CA 95071  
www.jonesgroup.com



**LAGUNA LAKE DOG PARK  
REVITALIZATION  
SITE PLAN**

PROJECT TITLE: LAGUNA LAKE DOG PARK REVITALIZATION  
SHEET TITLE: SITE PLAN

DESIGNED BY: SLB

DRAWN BY: MCC

CHECKED BY: EAS

APPROVED BY:

DATE: 12/21/2023

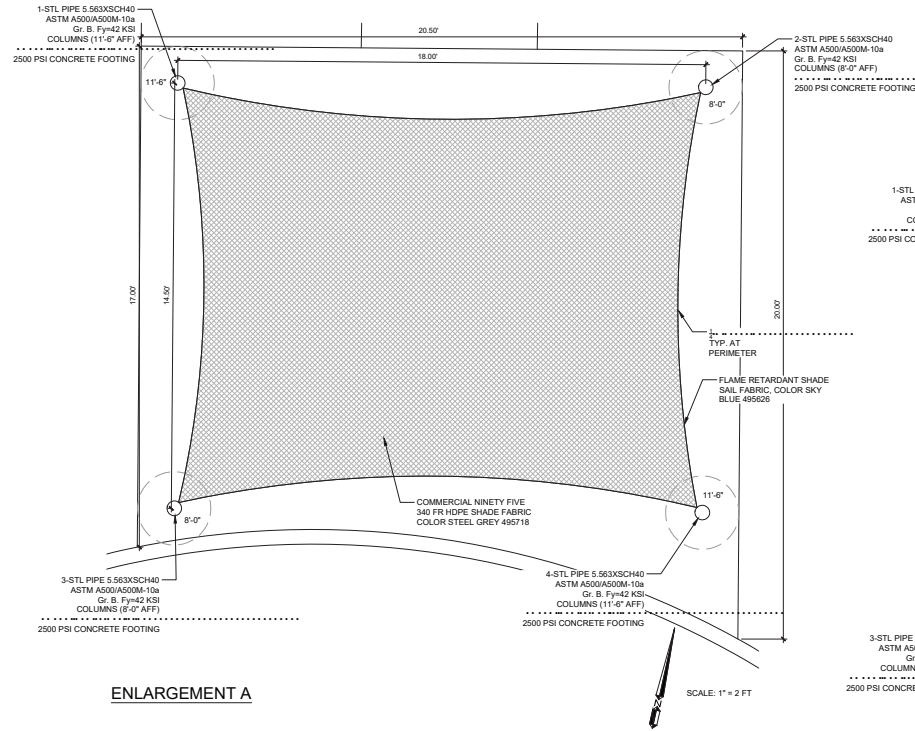
CITY SPECIFICATION NO: 200526-01

SHEET DES: **SL-2**

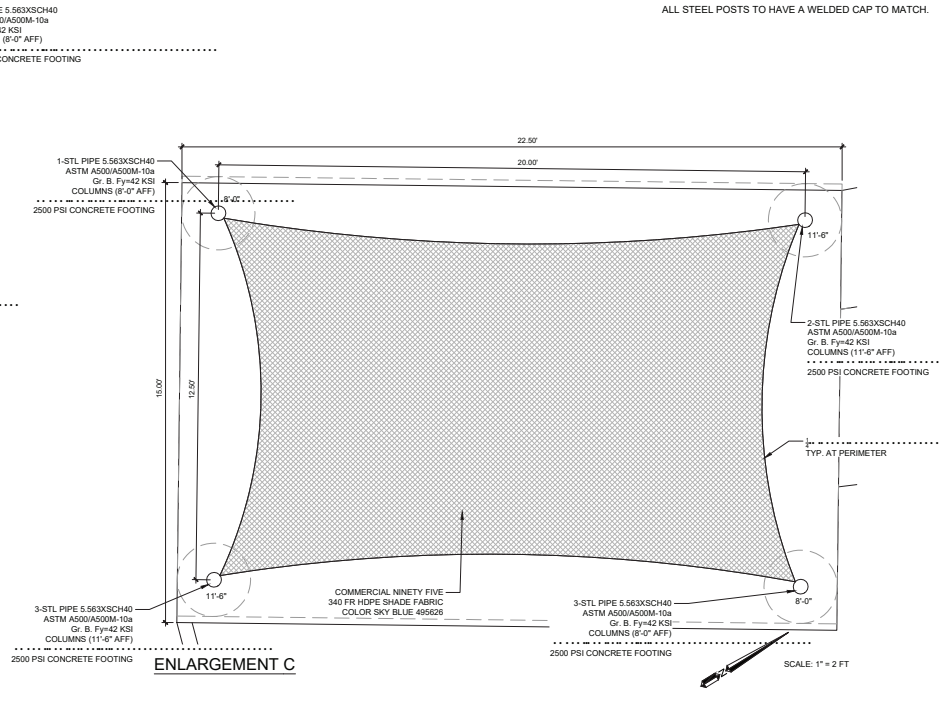
SHEET NO:

**19 OF 31**

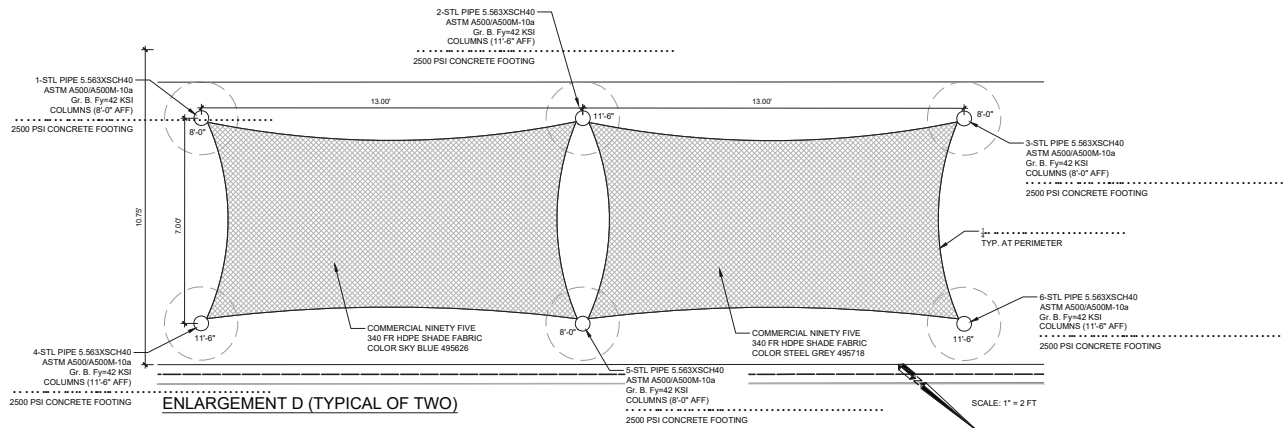
FILE NAME: 0881-0118 SITE.DWG



**ENLARGEMENT A**



**ENLARGEMENT C**



**ENLARGEMENT D (TYPICAL OF TWO)**

**NOTE:**  
ALL STEEL POSTS TO HAVE A WELDED CAP TO MATCH.

SCALE: HORIZ VERT AS SHOWN  
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

DATE	REVISIONS	APPROVAL
	DESCRIPTION	DATE



PROJECT ENGINEER

PLANS APPROVAL DATE

612 CLAYTON COURT  
SAN LUIS OBISPO, CA 95071  
www.danjonese.com



**LAGUNA LAKE DOG PARK  
REVITALIZATION**  
**SITE PLAN ENLARGEMENTS**

PROJECT TITLE:  
SHEET TITLE:

DESIGNED BY: SLB  
DRAWN BY: MCC  
CHECKED BY: EAS  
APPROVED BY:

DATE: 12/21/2023

CITY SPECIFICATION NO. 200526-01

SHEET NO. **SL-3**

20 OF 31



PROJECT ENGINEER

PLANS APPROVAL DATE

612 CLAYTON COURT  
SAN LUIS OBISPO, CA 95071  
www.wallacegroup.com



# LAGUNA LAKE DOG PARK REVITALIZATION

## SITE PLAN ENLARGEMENTS

PROJECT TITLE:

SHEET TITLE:

DESIGNED BY:

SLB

DRAWN BY:

MCC

CHECKED BY:

EAS

APPROVED BY:

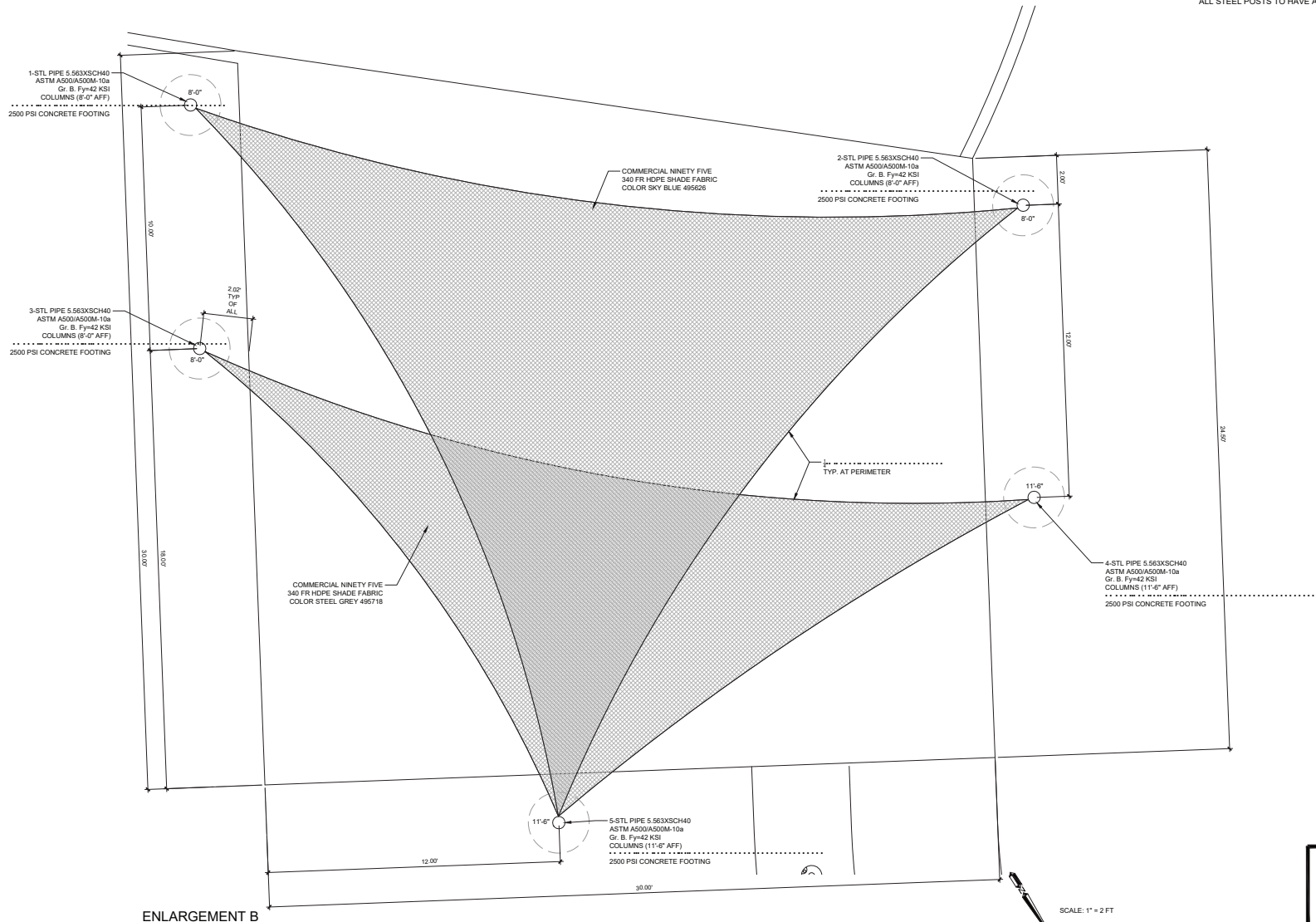
DATE: 12/21/2023

CITY SPECIFICATION NO: 200526-01

SHEET DES: **SL-4**

SHEET NO: **21 OF 31**

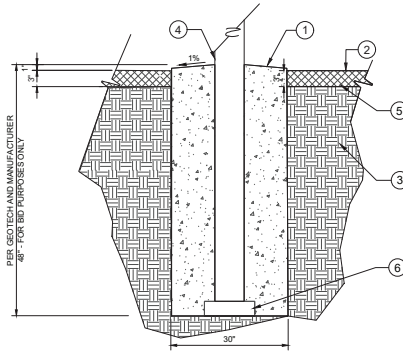
NOTE:  
ALL STEEL POSTS TO HAVE A WELDED CAP TO MATCH.



SCALE: HORIZ AS SHOWN  
VERT AS SHOWN

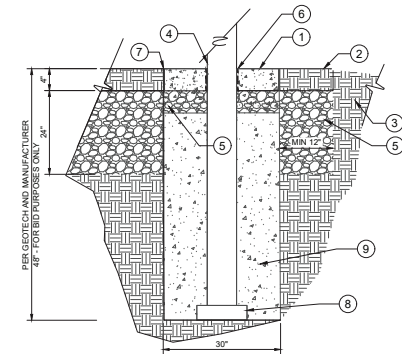
ORIGINAL SCALE IN INCHES  
FOR REDUCED PLANS

DATE	REVISIONS	APPROVAL	
		DESIGN	CITY



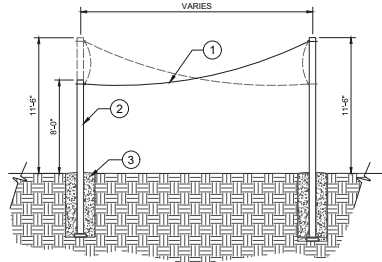
**1 SHADE SAIL FOOTING IN MULCH**  
1" = 1'-0"  
321313.13-21

- LEGEND:**
- 1 FC-2500 PSI CONCRETE SHALLOW FOOTING, MIN. 1% SLOPE
  - 2 FINISH GRADE
  - 3 COMPACTED SUBGRADE PER SOILS ENGINEER'S REPORT
  - 4 STEEL SHADE SAIL POST WITH DARK GREEN POWDER COATING PER PLAN
  - 5 BARK MULCH, SEE PLANTING NOTES
  - 9 3" DOBIE CONCRETE BLOCK
- NOTES:**
- A. BASE PREPARATION AND REINFORCING ARE SHOWN FOR BID PURPOSES ONLY. VERIFY REQUIREMENTS OF THE SOILS REPORT AND COMPLY.
  - B. FOOTING TO BE DESIGNED USING A MAX. ALLOWABLE BEARING CAPACITY OF 2000 PSI DEAD PLUS LIVE LOADS.
  - C. SEE LANDSCAPE LAYOUT PLAN FOR LOCATIONS.
  - D. FINAL DETAILING OF THE FOOTING SHALL BE PER THE SHADE SAIL MANUFACTURER.

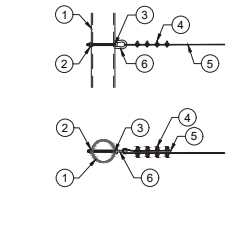


**2 SHADE SAIL FOOTING IN CONCRETE**  
1" = 1'-0"  
321313.13-22

- LEGEND:**
- 1 CONCRETE PAVING
  - 2 FINISH GRADE
  - 3 COMPACTED SUBGRADE PER SOILS ENGINEER'S REPORT
  - 4 STEEL SHADE SAIL POST WITH DARK GREEN POWDER COATING PER PLAN
  - 5 COMPACTED CLASS II BASE
  - 6 SIKAFLEX (OR EQUIVALENT) JOINT SEALANT
  - 7 EXPANSION JOINT
  - 8 3" DOBIE CONCRETE BLOCK
  - 9 FC-2500 PSI CONCRETE SHALLOW FOOTING
- NOTES:**
- A. PAVING THICKNESS, BASE PREPARATION AND REINFORCING ARE SHOWN FOR BID PURPOSES ONLY. VERIFY REQUIREMENTS OF THE SOILS REPORT AND COMPLY.
  - B. FOOTING TO BE DESIGNED USING A MAX. ALLOWABLE BEARING CAPACITY OF 2000 PSI DEAD PLUS LIVE LOADS.
  - C. SEE LANDSCAPE LAYOUT PLAN FOR LOCATIONS.
  - D. FINAL DETAILING OF THE FOOTING SHALL BE PER THE SHADE SAIL MANUFACTURER.

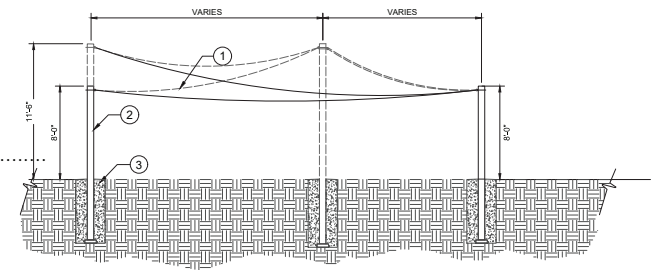


**3 RECTANGULAR SHADE SAIL ELEVATION**  
1" = 1'-0"  
321313.13-23



**4 SHADE SAIL ATTACHMENT**  
1" = 1'-0"  
321313.13-24

- LEGEND:**
- 1 POST PER PLAN
  - 2 1/2" x #325 LOCK WASHER
  - 3 3/16" HOLE THROUGH
  - 4 CABLE CLAMPS
  - 5 CABLE AT PERIMETER PER PLAN
  - 6 1/2" x #10 KIPS PROOF STRENGTH BOLT



**5 TRIANGULAR SHADE SAIL ELEVATION**  
1" = 1'-0"  
323025-04

- LEGEND:**
- 1 STEEL SHADE SAIL POST PER PLAN
  - 2 STEEL SHADE SAIL POST PER PLAN
  - 3 FOOTINGS, SEE DETAIL THIS SHEET

**SECTION 3105 AWNINGS AND CANOPIES NOTES:**

1. 3105.1 GENERAL. AWNINGS OR CANOPIES SHALL COMPLY WITH THE REQUIREMENTS OF THIS SECTION AND OTHER APPLICABLE SECTIONS OF THIS CODE.
2. 3105.2 DEFINITION. THE FOLLOWING TERM SHALL, FOR THE PURPOSES OF THIS SECTION AND AS USED ELSEWHERE IN THIS CODE, HAVE THE MEANING SHOWN HEREIN.
3. 3105.3 DESIGN AND CONSTRUCTION. AWNINGS AND CANOPIES SHALL BE DESIGNED AND CONSTRUCTED TO WITHSTAND WIND OR OTHER LATERAL LOADS AND LIVE LOADS AS REQUIRED BY CHAPTER 16 WITH DUE ALLOWANCE FOR SHAPE. OPEN CONSTRUCTION AND SIMILAR FEATURES THAT RELIEVE THE PRESSURES OR LOADS. STRUCTURAL MEMBERS SHALL BE PROTECTED TO PREVENT DETEIORATION. AWNINGS SHALL HAVE FRAMES OF NONCOMBUSTIBLE MATERIAL, FIRE-RETARDENT-TREATED WOOD, WOOD OF TYPE IV SIZE, OR 1-HOUR CONSTRUCTION WITH COMBUSTIBLE OR NONCOMBUSTIBLE COVERS AND SHALL BE EITHER FIXED, RETRACTABLE, FOLDING OR COLLAPSIBLE.
4. 3105.4 CANOPY MATERIALS. CANOPIES SHALL BE CONSTRUCTED OF A RIGID FRAMEWORK WITH AN APPROVED COVERING THAT MEETS THE FIRE PROPAGATION PERFORMANCE CRITERIA OF NFPA 701 OR HAS A FLAME SPREAD INDEX NOT GREATER THAN 25 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723. ALL FABRICS AND ALL INTERIOR DECORATIVE FABRICS OR MATERIALS SHALL BE FLAME RESISTANT IN ACCORDANCE WITH APPROPRIATE STANDARDS SET FORTH IN CCR, TITLE 19, DIVISION 1, CHAPTER 8. TOPS AND SIDEWALLS SHALL BE MADE EITHER FROM FABRIC WHICH HAS BEEN FLAME RESISTANT TREATED WITH AN APPROVED EXTERIOR CHEMICAL PROCESS BY AN APPROVED APPLICATION CONCERN, OR FROM INHERENTLY FLAME RESISTANT FABRIC APPROVED AND LISTED BY THE STATE FIRE MARSHAL (SEE CCR, TITLE 19, DIVISION 1, CHAPTER 8).
5. 3202.2.3 AWNINGS. THE VERTICAL CLEARANCE FROM THE PUBLIC RIGHT-OF-WAY TO THE LOWEST PART OF ANY WAWING, INCLUDING VALANCES, SHALL BE 7 FEET (2134 MM) MINIMUM.

**GENERAL NOTES:**

1. ALL AWNINGS AND CANOPIES SHALL CONFORM TO SECTION 3105.
2. ALL FOOTING AND MEMBER SIZING FOR SHADE SAILS ARE PER MANUFACTURER AND STRUCTURAL ENGINEER CALCULATIONS.
3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO OWNER REP AND LANDSCAPE ARCHITECT FOR REVIEW PRIOR TO FABRICATION.
4. ALL CONSTRUCTION SHALL COMPLY WITH THE LATEST EDITION OF LOCAL BUILDING CODE OR THE 2022 EDITION OF THE CALIFORNIA BUILDING CODE, WHICHEVER IS MORE STRICT.
5. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS, CONDITIONS, NOTES, AND SPECIFICATIONS AT JOB SITE AND SHALL REPORT ANY ERRORS, OMISSIONS OR DISCREPANCIES PRIOR TO BID AND START WORK TO PROJECT ARCHITECT AND/OR ENGINEERS.
6. DETAILS OF CONSTRUCTION NOT SPECIFICALLY SHOWN SHALL BE CONSTRUCTED IN ACCORDANCE WITH DETAILS SHOWN FOR SIMILAR CONDITIONS AND MATERIALS.
7. ALL WELDING DONE AT CERTIFIED WELDING MANUFACTURER.
8. IF CERTAIN INFORMATION IS NOTED ON THE PLANS OR ONLY IN THE SPECIFICATIONS, THEN THAT INFORMATION WILL BE AS VALID AS IF NOTED ON BOTH PLANS AND SPECIFICATIONS.
9. DO NOT SCALE DRAWINGS. NOTED SCALES ARE FOR GENERAL REFERENCE ONLY. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT THE JOB SITE AND SHALL NOT RELY SOLELY ON SCALING FOR BIDDING PURPOSES. VERIFY ALL NOTED SCALES MATCH FIELD CONDITIONS PRIOR TO PROCEEDING. NOTED DIMENSIONS SHALL TAKE PRECEDENCE. IF DISCREPANCIES EXIST, LARGE SCALE DETAILS GOVERN OVER SMALL.

10. DIMENSIONS ARE SHOWN TO FINISH FACE. COLUMN, GRID, AND FACE OF CONCRETE MASONRY WALLS, UNLESS OTHERWISE NOTED.

SCALE: HORIZ AS SHOWN  
VERT AS SHOWN  
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS




PROJECT ENGINEER

PLANS APPROVAL DATE

DATE AND TIME OF THIS APPROVAL: 11/21/2023 10:00 AM  
 PROJECT: LAGUNA HILLS CITY CENTER  
 PROJECT NUMBER: 200526-01  
 WATER RESOURCES  
 612 CLAYTON COURT  
 SAN LUIS OBISPO, CA 95071  
 www.bonbrun.us



**LAGUNA LAKE DOG PARK REVITALIZATION**  
**SITE DETAILS & NOTES**

PROJECT FILE: SHEET TITLE:

DESIGNED BY: SLB  
 DRAWN BY: MCC  
 CHECKED BY: EAS

APPROVED BY:

DATE: 12/21/2023

CITY SPECIFICATION NO: 200526-01

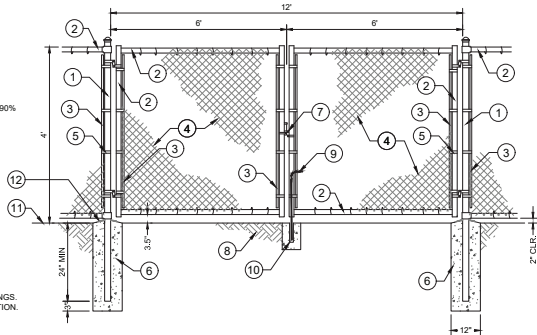
SHEET DES: SD-1

SHEET NO:

22 OF 31

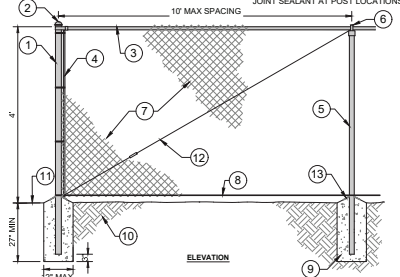
**LEGEND:**

- ① 3" GALV. GATE POST
  - ② 2" TOP & BOTTOM RAILS
  - ③ TENSION BARS
  - ④ CHAIN LINK FABRIC
  - ⑤ TENSION BAR STRAPS
  - ⑥ CONCRETE FOOTING, COMPACT BELOW @ 90% GRAVEL
  - ⑦ LATCH ASSEMBLY
  - ⑧ SUBGRADE
  - ⑨ CANE BOLT
  - ⑩ CANE BOLT SLEEVE
  - ⑪ FINISH GRADE OR SURFACE
  - ⑫ ADD SIKAFLEX (OR EQUIVALENT) JOINT SEALANT AT POST LOCATIONS
- NOTES:**  
 A. CITY WILL PROVIDE LOCK.  
 B. ALL METAL FENCE COMPONENTS SHALL BE GALVANIZED STEEL WITH BLACK VINYL COATING.  
 C. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS.  
 D. SEE SPECIFICATIONS FOR MORE INFORMATION.



**LEGEND:**

- ① 2-1/2" DIA. END POST
- ② END CAP
- ③ 2" DIA. TOP RAIL
- ④ TENSION BAR
- ⑤ 2" DIA. FENCE POST
- ⑥ RAIL-THRU TOP CAP
- ⑦ CHAIN LINK FABRIC
- ⑧ BOTTOM TENSION WIRE
- ⑨ CONCRETE FOOTING
- ⑩ COMPACTED SUBGRADE
- ⑪ FINISH GRADE
- ⑫ 3/8" STEEL TENSION ROD W/ TIGHTENER AT ALL CORNERS
- ⑬ ADD SIKAFLEX (OR EQUIVALENT) JOINT SEALANT AT POST LOCATIONS



**HARDSCAPE NOTES:**

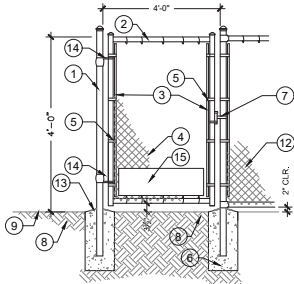
1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR FENCES, GATES, HARDWARE, & ASSEMBLIES.
2. ALL METAL FENCE COMPONENTS SHALL BE GALVANIZED STEEL WITH BLACK VINYL COATING.
3. COMPACT SURFACE BELOW FOOTINGS TO 90% RELATIVE COMPACTION.

**1** 4' CHAIN-LINK MAINTENANCE GATE  
1/2" = 1'-0"

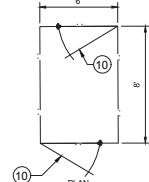
323113-24

**LEGEND:**

- ① 2-1/2" GALV. GATE POST
- ② 2" TOP & BOTTOM RAILS
- ③ TENSION BARS
- ④ CHAIN LINK FABRIC
- ⑤ TENSION BAR STRAPS
- ⑥ CONCRETE FOOTING
- ⑦ LOCINOX GATE LOCK/LATCH, SEE SPECIFICATIONS
- ⑧ 90% COMPACTED SUBGRADE OR PAVEMENT
- ⑨ FINISH GRADE OR SURFACE
- ⑩ GATE
- ⑪ SEE DETAIL FOR CHAINLINK FENCE
- ⑫ ADD SIKAFLEX (OR EQUIVALENT) GROUT
- ⑬ TIGER COMPACT HINGE, SEE SPECIFICATIONS
- ⑭ 10" GALVANIZED STEEL KICK PLATE, SEE SPECIFICATIONS



- NOTES:**  
 A. ALL FENCE MATERIAL SHALL BE GALV. STEEL WITH BLACK VINYL COATING.  
 B. SEE LANDSCAPE LAYOUT PLAN FOR LAYOUT.  
 C. CONTRACTOR TO SUBMIT SHOP DRAWINGS.  
 D. SEE SPECIFICATIONS FOR MORE INFORMATION.

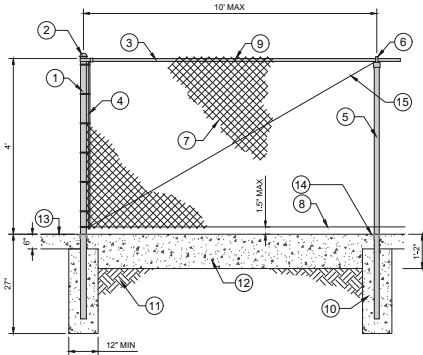


**3** DOG PARK DOUBLE ENTRY GATE  
1/2" = 1'-0"

323113-29

**LEGEND:**

- ① 2-1/2" DIA. CORNER & END POST
  - ② END CAP AND BRACE BAND
  - ③ 1-5/8" DIAMETER TOP RAIL
  - ④ TENSION BAR
  - ⑤ 2" DIAMETER FENCE POST
  - ⑥ RAIL-THRU TOP CAP
  - ⑦ CHAIN LINK FABRIC
  - ⑧ BOTTOM TENSION WIRE
  - ⑨ HOG TIES AT 12" O.C.
  - ⑩ CONCRETE FOOTING: SEE 8" CONCRETE CURB DETAIL, THIS PAGE
  - ⑪ COMPACTED SUBGRADE
  - ⑫ CONCRETE CURB SEE DETAIL 4220, SHEET C-6.0
  - ⑬ FINISH GRADE
  - ⑭ ADD SIKAFLEX (OR EQUIVALENT) JOINT SEALANT AT POST LOCATIONS
  - ⑮ 3/8" STEEL TENSION ROD W/ TIGHTENER AT ALL CORNERS
- NOTES:**  
 A. ALL FENCE MATERIAL SHALL BE GALVANIZED STEEL WITH BLACK VINYL COATING.  
 B. SEE LANDSCAPE LAYOUT PLAN FOR LOCATIONS.  
 C. CONTRACTOR TO SUBMIT SHOP DRAWINGS.  
 D. SEE SPECIFICATIONS FOR MORE INFORMATION.



**4** 4' CHAIN-LINK FENCE WITH CONCRETE CURB  
1/2" = 1'-0"

323113-25

SCALE: HORIZ AS SHOWN  
VERT AS SHOWN  
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS




PROJECT ENGINEER

PLANS APPROVAL DATE

OR, AND PROFESSIONAL ENGINEERS:  
 LANDSCAPE ARCHITECTS:  
 ARCHITECTS:  
 PLUMBING ENGINEERS:  
 WATER RESOURCES ENGINEERS:  
 612 CLAYTON COURT  
 SAN LUIS OBISPO, CA 95060  
 www.bonbrun.us



**LAGUNA LAKE DOG PARK  
REVITALIZATION**

**SITE DETAILS & NOTES**

PROJECT TITLE:  
SHEET TITLE:

DESIGNED BY: SLB  
 DRAWN BY: MCC  
 CHECKED BY: EAS  
 APPROVED BY:

DATE: 12/21/2023

CITY SPECIFICATION NO: 200526-01

SHEET DES: **SD-2**

SHEET NO:

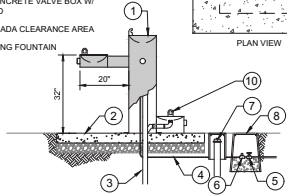
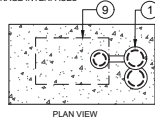
**23 OF 31**

**LEGEND:**

- ① DRINKING FOUNTAIN, SEE MANUFACTURER SPECIFICATIONS
- ② CONCRETE PAVING
- ③ PVC DRAIN LINE, SEE CIVIL PLANS
- ④ WATER SUPPLY, SEE CIVIL PLANS
- ⑤ 1" BRASS GATE VALVE, SEE SPECIFICATIONS
- ⑥ 1" TEE W/ PLUG FOR DRAIN DOWN
- ⑦ 6" ROUND PVC CLEANOUT IN BOX
- ⑧ 12" X 18" CONCRETE VALVE BOX W/ LOCKING LID
- ⑨ 30"W x 18"D ADA CLEARANCE AREA
- ⑩ DOG DRINKING FOUNTAIN

**NOTES:**

- A. INSTALL PER MANUFACTURER'S HARDWARE INSTRUCTIONS.
- B. SEE LANDSCAPE LAYOUT PLAN FOR LOCATIONS
- C. SEE CIVIL PLANS FOR UTILITY AND DRAINAGE INTERFACES

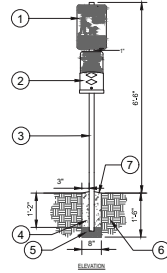
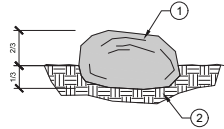


**LEGEND:**

- ① EXISTING BOULDERS FROM SITE
- ② COMPACTED SUBGRADE

**NOTES:**

- A. DEPRESS BOULDER MASS  $\frac{1}{2}$  TO  $\frac{3}{4}$  BELOW GRADE AS SHOWN.
- B. SEE LANDSCAPE LAYOUT PLAN FOR LOCATIONS.
- C. BOULDER GROUPINGS SHALL BE VARYING SIZES.
- D. BOULDERS TO BE SELECTED & COORDINATED WITH CITY REPRESENTATIVE IN THE FIELD.



**LEGEND:**

- ① EXISTING PET SIGN
- ② 1.75" x 2" 14 GAUGE QUICK PUNCH POST
- ③ P.C. CONCRETE
- ④ AGGREGATE BASE
- ⑤ NATIVE SOIL
- ⑥ PITCH SURFACE TO DRAIN

① DRINKING FOUNTAIN & DOG WATER STATION  
1/2" = 1'-0" 131213-09

② EXISTING LANDSCAPE BOULDERS  
NTS 323020-04

③ RELOCATED PET STATION  
1/2" = 1'-0" 129323-13

**SECTION**

**GENERAL NOTES:**

- A.  $\frac{1}{2}$ " Full expansion joints at 20' intervals, at change in direction, at beginning/ends of curves, and where more strip abuts other structures.

**INSTALLATION NOTES:**

- ① Class 3 Concrete, light broom finish. No color unless specified in contract documents.
- ② #4 Reinforcing bar continuous at center. 18" overlap at splice.
- ③ Class 3 base. No recycled AC base allowed.

REVISIONS	BY	APP	DATE
New Standard	BE	EL	5-12
Drafting edit	JDK	AMY	10-12

**CONCRETE EDGING**

STANDARD CURRENT AS OF: AUGUST 2020

8710

SCALE: HORIZ AS SHOWN  
VERT AS SHOWN  
ORIGINAL SCALE IN INCHES  
FOR REDUCED PLANS




PROJECT ENGINEER

PLANS APPROVAL DATE

DATE AND TIME OF THIS APPROVAL:  
 PROJECT ENGINEER: DAN JONES  
 PROFESSIONAL ENGINEER  
 PUBLIC WORKS/CONSTRUCTION  
 WATER RESOURCES  
 612 CLAYTON COURT  
 SAN LUIS OBISPO, CA 95070  
 www.danjonese.com



**LAGUNA LAKE DOG PARK  
REVITALIZATION  
SITE DETAILS & NOTES**

PROJECT TITLE:  
SHEET TITLE:

DESIGNED BY:  
SLB

DRAWN BY:  
MCC

CHECKED BY:  
EAS

APPROVED BY:

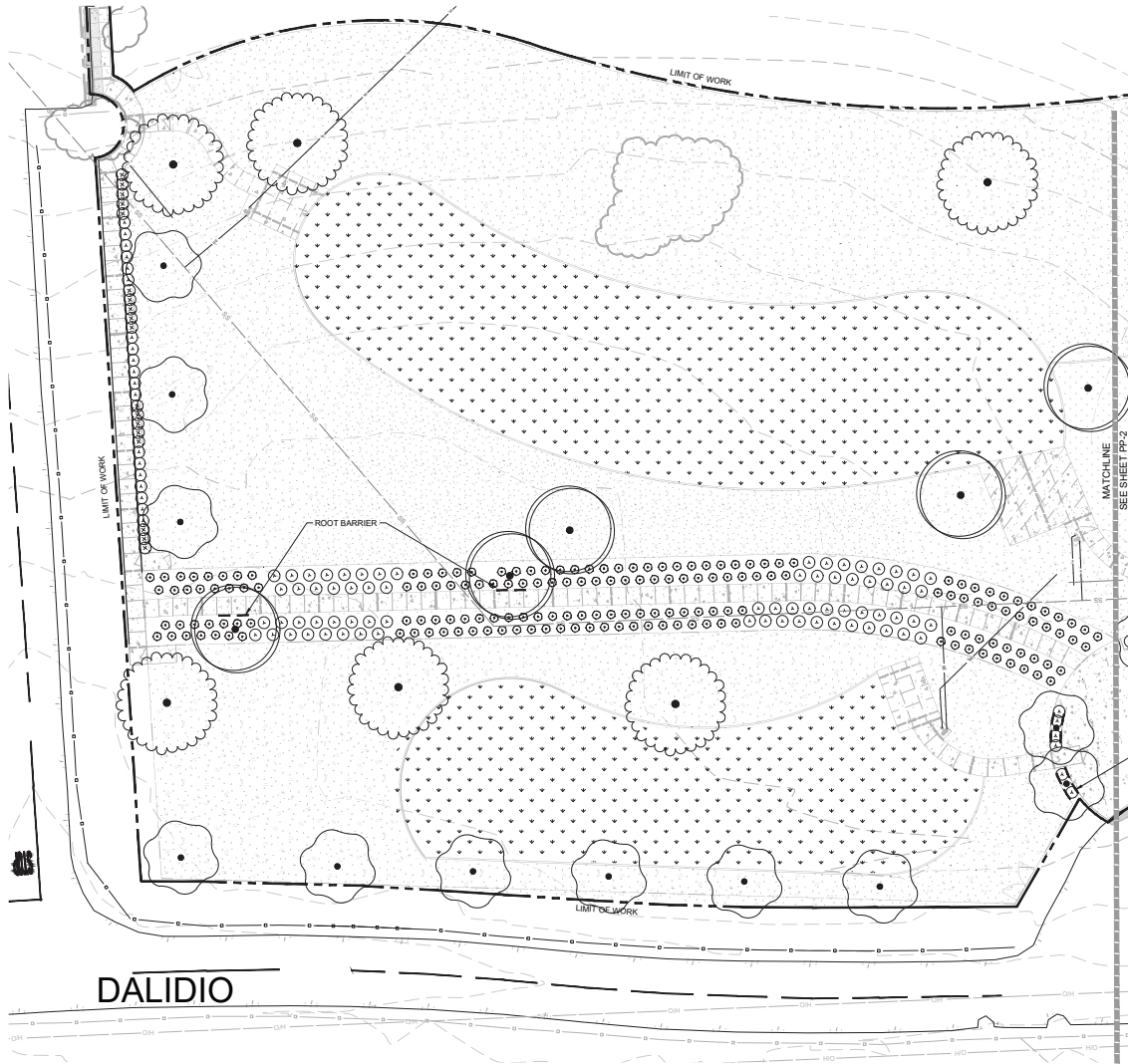
DATE: 12/21/2023

CITY SPECIFICATION NO:  
200526-01

SHEET DES:  
**SD-3**

SHEET NO:  
**24 OF 31**



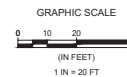


**PLANT SCHEDULE**

SYMBOL	BOTANICAL / COMMON NAME	CONT	QTY
<b>TREES</b>			
	ALNUS RHOMBIFOLIA / WHITE ALDER	24"BOX	8
	CUPRESSUS MACROCARPA / MONTEREY CYPRESS	24"BOX	5
	PLATANUS RACEMOSA / CALIFORNIA SYCAMORE MULTI-TRUNK	24"BOX	2
	QUERCUS AGRIFOLIA / COAST LIVE OAK	24"BOX	10
	XCHITALPA TASHKENTENSIS / CHITALPA	24"BOX	13
<b>SHRUBS</b>			
	ARCTOSTAPHYLOS X 'PACIFIC MIST' / PACIFIC MIST MANZANITA	5 GAL	18
	HETEROMELES ARBUTIFOLIA / TOYON	15 GAL	9
	JUNCUS PATENS 'ELK BLUE' / SPREADING RUSH	1 GAL	26
	LEYMUS CONDENSATUS 'CANYON PRINCE' / CANYON PRINCE GIANT WILD RYE	1 GAL	100
	MYRICA CALIFORNICA / PACIFIC WAX MYRTLE	15 GAL	3
<b>GROUND COVERS</b>			
	BARK MULCH	NA	52,058 SF
	PEA GRAVEL	NA	11,935 SF
	TURF SOD / DROUGHT TOLERANT FESCUE BLEND	NA	25,889 SF
	ROOT BARRIER		

**NOTES:**

1. QUANTITIES SHOWN ARE FOR ENTIRE PROJECT.



SCALE: HORIZ AS SHOWN  
VERT AS SHOWN  
ORIGINAL SCALE IN INCHES  
FOR REDUCED PLANS

DATE	REVISIONS	APPROVAL
	DESCRIPTION	DESIGN APPROVAL CITY



PROJECT ENGINEER

PLANS APPROVAL DATE

CH AND LANDSCAPE ARCHITECTS  
 10000 UNIVERSITY AVENUE, SUITE 100  
 SAN LUIS OBISPO, CA 95050  
 WWW.CHANDLANDSCAPEARCHITECTS.COM



**LAGUNA LAKE DOG PARK  
REVITALIZATION  
PLANTING PLAN**

PROJECT TITLE: LAGUNA LAKE DOG PARK REVITALIZATION  
SHEET TITLE: PLANTING PLAN

DESIGNED BY: SLB  
DRAWN BY: MCC  
CHECKED BY: EAS  
APPROVED BY:

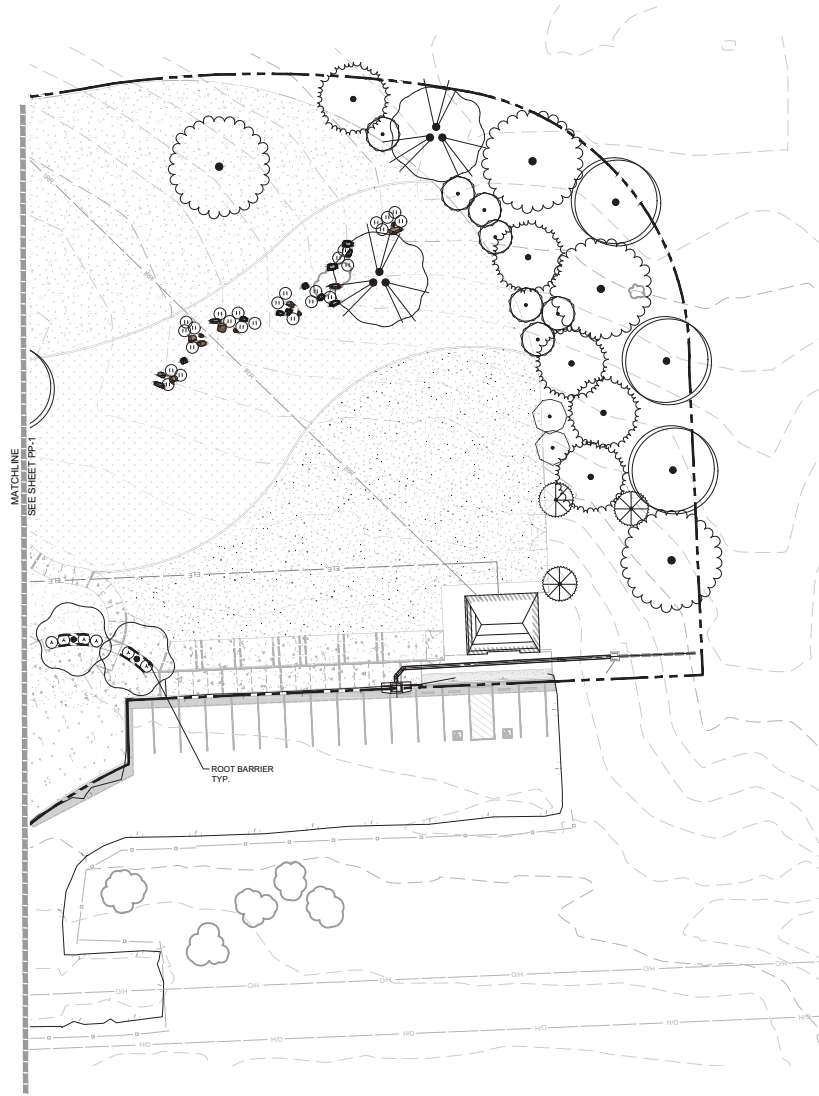
DATE: 12/21/2023

CITY SPECIFICATION NO: 200526-01

SHEET DES: **PP-1**

SHEET NO:

**25 OF 31**

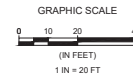


**PLANT SCHEDULE**

SYMBOL	BOTANICAL / COMMON NAME	CONT	QTY
<b>TREES</b>			
	ALNUS RHOMBIFOLIA / WHITE ALDER	24"BOX	8
	CUPRESSUS MACROCARPA / MONTEREY CYPRESS	24"BOX	5
	PLATANUS RACEMOSA / CALIFORNIA SYCAMORE MULTI-TRUNK	24"BOX	2
	QUERCUS AGRIFOLIA / COAST LIVE OAK	24"BOX	10
	X CHITALPA TASHKENTENSIS / CHITALPA	24"BOX	13
<b>SHRUBS</b>			
	ARCTOSTAPHYLOS X 'PACIFIC MIST' / PACIFIC MIST MANZANITA	5 GAL	18
	HETEROMELES ARBUTIFOLIA / TOYON	15 GAL	9
	JUNCUS PATENS 'ELK BLUE' / SPREADING RUSH	1 GAL	26
	LEYMUS CONDENSATUS 'CANYON PRINCE' / CANYON PRINCE GIANT WILD RYE	1 GAL	100
	MYRICA CALIFORNICA / PACIFIC WAX MYRTLE	15 GAL	3
<b>GROUND COVERS</b>			
	BARK MULCH	NA	52,056 SF
	PEA GRAVEL	NA	11,935 SF
	TURF SOD / DROUGHT TOLERANT FESCUE BLEND	NA	25,889 SF
	ROOT BARRIER		

**NOTES:**

- 1. QUANTITIES SHOWN ARE FOR ENTIRE PROJECT.



SCALE: HORIZ AS SHOWN  
VERT AS SHOWN  
ORIGINAL SCALE IN INCHES  
FOR REDUCED PLANS

DATE	REVISIONS	APPROVAL
	DESCRIPTION	DESIGN APPROVAL CITY



PROJECT ENGINEER

PLANS APPROVAL DATE

DATE AND TIME OF PLAN CHECKING:  
 PROJECT ENGINEER: DAN CHILES  
 LICENSE NUMBER: 23710  
 CITY OF LAGUNA HILLS, CALIFORNIA  
 612 CLAYTON COURT  
 SAN LUIS OBISPO, CA 95071  
 www.dan-chiles.com



**LAGUNA LAKE DOG PARK  
REVITALIZATION  
PLANTING PLAN**

PROJECT TITLE:

DESIGNED BY: SLB

DRAWN BY: MCC

CHECKED BY: EAS

APPROVED BY:

DATE: 12/21/2023

CITY SPECIFICATION NO. 200526-01

SHEET DES: PP-2

SHEET NO. 26 OF 31



PROJECT ENGINEER

PLANS APPROVAL DATE

OKLAHOMA TRANSPORTATION DEPARTMENT  
 LANDSCAPE ARCHITECTURE  
 PROFESSIONAL CERTIFICATE  
 PAUL J. JONES  
 612 CLARION COURT  
 SALLABURG, OKLAHOMA 73162  
 WWW.PAULJONES.COM



PROJECT TITLE

DESIGNED BY

DRAWN BY

CHECKED BY

APPROVED BY

DATE

CITY SPECIFICATION NO.

SHEET NO.

DATE

CITY

DATE

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DATE

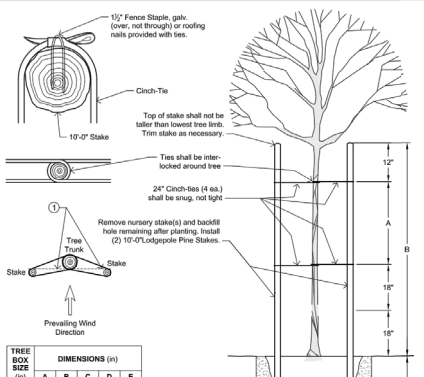
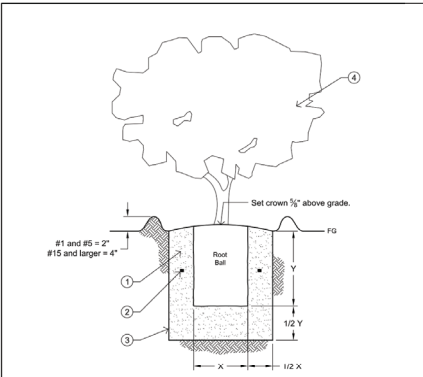
CITY

DATE

CITY

**PLANTING NOTES:**

- REFER TO PLANTING PLANS, PLAN NOTES, SPECIFICATIONS, PLANT LEGEND, AND PLANTING DETAILS FOR ADDITIONAL PLANTING INFORMATION. REFER TO IRRIGATION PLANS, NOTES, SPECIFICATIONS, AND DETAILS FOR RELATED LANDSCAPE WORK.
- NOTIFY OWNER'S REPRESENTATIVE (REP) 48 HOURS MINIMUM PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT INSPECTION SCHEDULE.
- VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH THE WORK. IMMEDIATELY NOTIFY OWNER'S REPRESENTATIVE OF FIELD CONDITIONS THAT VARY FROM THOSE SHOWN ON DRAWINGS AND MAKE CORRECTIONS AND DIRECTIONS BEFORE PROCEEDING WITH WORK. ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY CORRECTIONS DUE TO FAILURE TO REPORT KNOWN DISCREPANCIES.
- LOCATE AND MARK ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT. PROTECT FROM DAMAGE ALL UTILITIES, AREAS AND STRUCTURES IN AND AROUND LANDSCAPE WORK AREAS. ASSUME FULL RESPONSIBILITY AND EXPENSE FOR REPAIR AND REPLACEMENT OF DAMAGES CAUSED BY CONTRACTOR.
- LOCATION OF NON-LANDSCAPE CONSTRUCTION ELEMENTS SUCH AS LIGHTS, SIGNS, VENTS, HYDRANTS, TRANSFORMERS, AND OTHER STRUCTURES OR ELEMENTS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY FIELD CONDITIONS WHETHER SHOWN HEREON OR NOT. WHEN SHOWN ITEMS DO NOT CORRESPOND TO FIELD CONDITIONS, REPORT DISCREPANCIES TO OWNER'S REP. FOR CLARIFICATIONS AND INSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.
- PLANTING ACCESSORIES & MATERIAL:
  - TREE TIE: CINCH TIE, BY V.I.T. PRODUCTS, 800-729-1314.
  - FERTILIZER TABLETS: AGRIFORM (OR APPROVED EQUAL) 20-10-5, THREE 20-GRAM TABLETS FOR 15 GALLON OR LARGER SIZE TREES, TWO 10-GRAM TABLETS FOR 5 GALLON SIZE PLANTS, ONE 10-GRAM TABLET FOR 1 GALLON SIZE.
  - ROOT BARRIER: 18" DEEP X 24" INJECTION MOLDED CO-POLYMER POLYPROPYLENE ROOT BARRIER PANELS.
  - TOPSOIL (BACKFILL MIX): 60-70% LOAM TOPSOIL THOROUGHLY MIXED WITH 30-40% FULLY COMPOSTED ORGANIC MATERIAL.
  - MULCH: CONIFEROUS BARK MULCH AS SHOWN ON PLAN AND AT SHRUB ONLY LOCATIONS WHERE NO COARSE GRAVEL OR RIVER COBBLE IS SHOWN. SUBMIT SAMPLE FOR APPROVAL.
- PROVIDE AGRONOMIC SOIL TEST PER SPECIFICATIONS.
- BACKFILL MIX: PREPARE IN ACCORDANCE TO SOIL TEST REPORT'S RECOMMENDATIONS, ADDING AMENDMENTS, FERTILIZER, AND OTHER MATERIAL AS REQUIRED TO SITE SOIL.
- ADD FERTILIZER AND AMENDMENTS TO THE SITE SOIL PER SOIL TEST REPORT RECOMMENDATIONS FOR PLANTING WORK.
- PRE-PLANTING PREPARATION:
  - PROCEED WITH PLANTING WORK ONLY AFTER IRRIGATION WORK IS COMPLETED, TESTED, AND APPROVED BY OWNER'S REP. PROTECT IRRIGATION SYSTEM FROM DAMAGE.
  - REMOVE ALL ROCKS GREATER THAN 1" DIAMETER AND ALL DEBRIS AND DELETERIOUS MATERIAL FROM PLANTING AREAS.
- PLANTS: ALL PLANTS OF THE SAME SPECIES/CULTIVAR/VARIETY SHALL HAVE MATCHING FORM, FLOWER COLOR, AND SIZE, IN HEALTHY AND THRIVING CONDITION, FREE FROM INJURIES, DISEASES, PESTS AND ROOT-BOUND OR GIRDLING ROOTS. REPLACE REJECTED PLANTS WITH MATCHING SPECIES, SIZE AND FORM.
- PLANTING:
  - IRRIGATE PLANTING AREAS TO BRING TOP 6" OF SOIL TO FIELD CAPACITY. ALLOW SOIL TO DRAIN. DO NOT WORK SOIL UNTIL IT RETURNS TO A MOST FRAGILE CONDITION. TREE EXCAVATIONS MAY REQUIRE ADDITIONAL IRRIGATION. FLOOD TREE PITS AS REQUIRED TO MOISTEN SUBGRADE.
  - PLACE PLANTS IN THEIR CONTAINERS AT THE LOCATIONS PER PLANS FOR APPROVAL. BY OWNER'S REP. MAKE MINOR ADJUSTMENTS AS REQUIRED BY FIELD CONDITIONS AND TO ALLOW OPTIMAL IRRIGATION COVERAGE.
  - PLANT QUANTITIES GIVEN ON PLANT LEGEND ARE FOR GENERAL GUIDANCE ONLY. PROVIDE THE SPECIFIED PLANT SPECIES IN THE QUANTITIES AT THE REQUIRED SPACING TO ACHIEVE THE DESIGN EFFECT/INTENT SHOWN ON THE PLANS.
  - FOR TREES WITHIN 6' FEET OF PAVEMENT AND SLAB FOUNDATIONS, PRIOR TO TREE PLACEMENT, INSTALL ROOT BARRIER PANELS ALL AROUND THE PLANT PIT PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND DETAIL 2, THIS SHEET.
  - PLANT TREES AND SHRUBS AS SHOWN ON DETAILS.
  - INSTALL 3" DEEP CONIFEROUS BARK MULCH TO COVER BARE SOIL AROUND TREES & SHRUBS. KEEP MULCH 1" AWAY FROM SHRUB TRUNKS, 6" AWAY FROM TREE TRUNKS. DO NOT INSTALL CONIFEROUS BARK MULCH WHERE MINERAL MULCHES (PEA GRAVEL) OCCUR.
  - INSTALL 2" DEEP PEA GRAVEL WHERE SHOWN ON PLANS.
- 90 DAY MAINTENANCE PERIOD: MAINTAIN PLANTINGS IN THRIVING CONDITION USING ACCEPTED INDUSTRY PRACTICES FOR WATERING, FERTILIZING, AND PRUNING. DO NOT MOW BIOTRANSFORMATION. MAINTAIN TREE STAKES IN PROPER POSITIONS. REMOVE TREE STAKES AT END OF MAINTENANCE PERIOD. REPLACE PLANTS THAT DIE OR FAIL TO ESTABLISH IN THRIVING CONDITION WITH SPECIES, SIZE AND FORM MATCHING OTHERS ON SITE. REPAIR OR REPLACE BROKEN IRRIGATION COMPONENTS.
- WARRANTY: WARRANT PLANT MATERIAL AND IRRIGATION SYSTEM FOR ONE YEAR FROM END OF MAINTENANCE PERIOD. REPLACE DEAD OR DYING PLANTS AND BROKEN IRRIGATION COMPONENTS WITHIN THIS PERIOD.



TREE BOX SIZE (in)	DIMENSIONS (in)				
	A	B	C	D	E
24	36	84	24	18	40
36	24	72	36	24	48
48	18	60	42	30	60

**INSTALLATION NOTES:**  
 1. Align face of tree trunk with face of stake.  
 2. Remove nursery stake(s) and backfill hole remaining after planting. Install (2) 10-07 Lodgepole Pine Stakes.

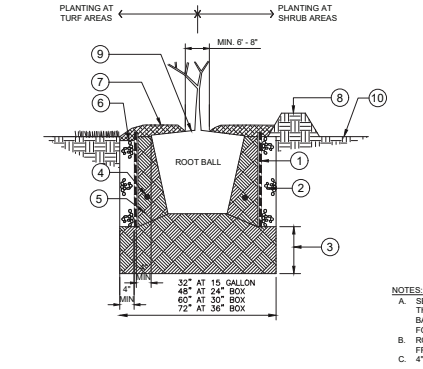
**ZONE 1:** Trees planted in tree wells or parkway  
**ZONE 2:** Trees planted within 7' of curb, sidewalk, or paving

REVISIONS	BY	APP	DATE
New Standard	EL	JZW	1-04
Revise Note 2, Add Notes 3 and 4	JCK	EL	5-12
Quantity note	JCK	MM	5-13

STANDARD CURRENT AS OF: AUGUST 2020

REVISIONS	BY	APP	DATE
Revised crosshatch	MM	MM	01-18
Revised Tube Length	MM	EL	11-09
Quantity note	JCK	MM	5-13

STANDARD CURRENT AS OF: AUGUST 2020



- LEGEND:**
- 24" DEEP ROOT BARRIER SYSTEM, FACE ROOT GUIDING RIBS TOWARD ROOT BALL
  - 3/4" CRUSHED ROCK OUTSIDE OF BARRIER
  - EXCAVATE 12" OF SOIL BELOW ROOT BARRIER SYSTEM. REPLACE WITH FIRMLY COMPACTED AMENDED BACKFILL.
  - PLANT TABLETS. SEE PLANTING NOTES.
  - AMENDED BACKFILL, COMPACTED
  - RECESS 1" AT TURF TO ALLOW FOR MULCH
  - 3" THICK MULCH LAYER
  - 2" HIGH WATER WELL AT SHRUBS
  - KEEP MULCH 6 - 8" FROM BASE OF TREE
  - FINISHED GRADE

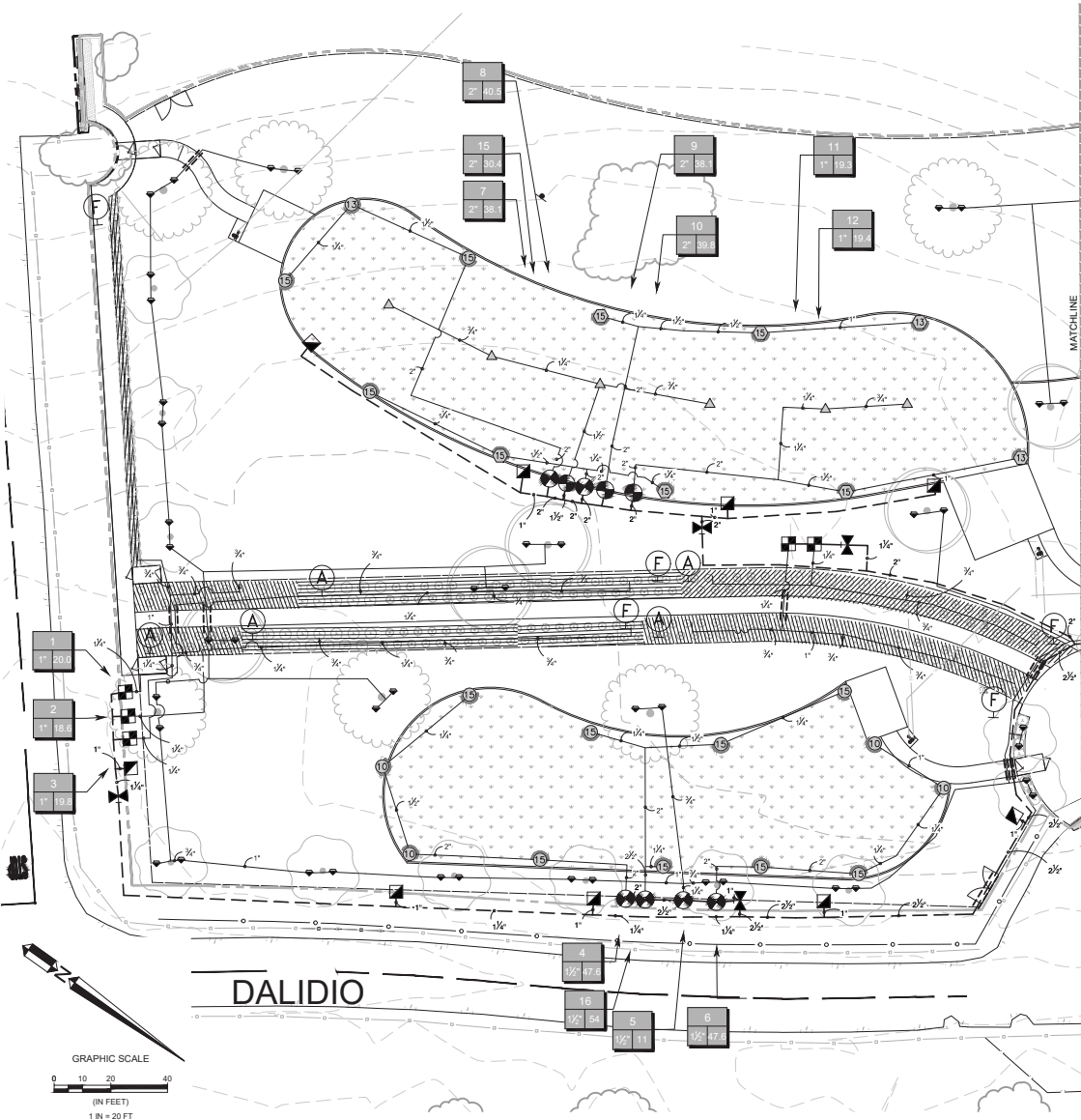
**NOTES:**  
 A. SET ROOT BALL CROWN 1 1/2" HIGHER THAN FINISHED GRADE. SLOPE BACKFILL AWAY FROM ROOT BALL FOR POSITIVE DRAINAGE.  
 B. ROOT BARRIER TO BE PLACED MIN. 4" FROM ROOT BALL.  
 C. 4" MIN. GRAVEL BACKFILL REQUIRED

**3 ROOT BARRIER TREE PLANTING ONLY**  
 SCALE = NTS 329343.19-37

SCALE: HORIZ AS SHOWN  
 VERT AS SHOWN  
 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

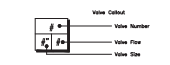
DATE	REVISIONS	APPROVAL	
		DESIGNER	CITY

**LAGUNA LAKE DOG PARK REVITALIZATION**  
**PLANTING DETAILS & NOTES**  
 PROJECT TITLE: LAGUNA LAKE DOG PARK REVITALIZATION  
 SHEET TITLE: PLANTING DETAILS & NOTES  
 DESIGNED BY: SLB  
 DRAWN BY: MCC  
 CHECKED BY: EAS  
 APPROVED BY:  
 DATE: 12/21/2023  
 CITY SPECIFICATION NO.: 2005-26-01  
 SHEET NO.: PD-1  
 SHEET NO.: 27 OF 31



### IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	SIZE
	HUNTER RZWS-SLEEVE-18-CV-25 1" LONG RZWS WITH FILTER FABRIC SLEEVE, 25 GPM OR 50 GPM BUBBLER OPTIONS, CHECK VALVE, 1/2" BRASS JOINT FOR CONNECTION TO 1/2" PIPE	76	30
	HUNTER 140-SS-48 08 TURF ROTOR, 8IN. POP-UP, ADJUSTABLE TO FULL CIRCLE. DRUM CHECK VALVE, STAINLESS STEEL RISER, 1IN. FEMALE NPT INLET THREADS, HIGH SPEED NOZZLE.	6	40 7.6 41"
	HUNTER 140-SS-48 10 TURF ROTOR, 8IN. POP-UP, ADJUSTABLE TO FULL CIRCLE. DRUM CHECK VALVE, STAINLESS STEEL RISER, 1IN. FEMALE NPT INLET THREADS, HIGH SPEED NOZZLE.	4	50 10.3 45"
	HUNTER 140-SS-48 13 TURF ROTOR, 8IN. POP-UP, ADJUSTABLE TO FULL CIRCLE. DRUM CHECK VALVE, STAINLESS STEEL RISER, 1IN. FEMALE NPT INLET THREADS, HIGH SPEED NOZZLE.	3	50 11.1 46"
	HUNTER 140-SS-48 15 TURF ROTOR, 8IN. POP-UP, ADJUSTABLE TO FULL CIRCLE. DRUM CHECK VALVE, STAINLESS STEEL RISER, 1IN. FEMALE NPT INLET THREADS, HIGH SPEED NOZZLE.	16	50 13.5 51"
	RAIN BIRD XCC-150LCS HIGH FLOW CONTROL ZONE KIT, FOR LARGE COMMERCIAL DRIP ZONES, 1-1/2IN. PEB GLOBE VALVE WITH SINGLE 1-1/2IN. PRESSURE REGULATING SPRING QUICK-CHECK BASKET FILTER, FLOW RANGE: 15-60 GPM.	5	
	RAIN BIRD XCCZF-100PRP LOW FLOW, 2-1/2 GPM WITH 1IN. LOW FLOW VALVE VALVE AND 1IN. PRESSURE REGULATING RBY FILTER AND 40PSI PRESSURE REGULATOR.	1	
	RAIN BIRD MDCFCAP DRIPLINE FLUSH VALVE CAP W/ COMPRESSION FITTING COUPLER.	6	
	RAIN BIRD ARV500 1/2IN. AIR RELEASE VALVE, MADE OF QUALITY RUST-PROOF MATERIALS, WITH A 3IN. DRIP VALVE BOX (SEE 7X5 EMITTER BOX). USE WITH INSTALLATION BELOW SOIL, THE VALVE WILL ALLOW AIR TO ESCAPE THE PIPELINE, THUS PREVENTING WATER HAMMER OR BLOCKAGE.	6	
	AREA TO RECEIVE DRP EMITTERS RAIN BIRD 80C-PC SINGLE OUTLET, PRESSURE COMPENSATING DRP EMITTERS, FLOW RATES OF 0.5 GPH/SLEEVE, 1.0 GPH/BLACK, AND 2.0 GPH/RED. COMES WITH A SELF-PENETRATING BARB INLET X BARB OUTLET WITH CHECK VALVE.	2,837	S.F.
	AREA TO RECEIVE DRIPLINE NET FLOW 0.25 TECHLINE PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH CHECK VALVE, 0.9 GPH EMITTERS AT 1/2" D.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN, 1MM.	6,489	S.F.
	HUNTER CV-4-FS (2) 1IN., 1-1/2IN., 2IN. AND 3IN. PLASTIC ELECTRIC REMOTE CONTROL VALVES, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE, WITH FILTER BENTRY.	10	
	RAIN BIRD 44LRC (2) 1IN. BRASS QUICK-COUPLING VALVE WITH CORROSION-RESISTANT STAINLESS STEEL SPRING LOCKING THERMOPLASTIC RUBBER COVER, AND 3-PIECE BODY.	13	
	MAINLINE ISOLATION GATE VALVE NIBCO T-134 THREADED (2-1/2" - 8" SIZE), NIBCO T-113 (2" & SMALLER SIZES)	7	
	BUCKNER SUPERIOR 3100-PRB-SPT 1-1/2" NORMALLY OPEN BRASS MASTER VALVE THAT PROVIDES DIRTY WATER PROTECTION, AVAILABLE IN 1/4", 1-1/4", 1-1/2", 2", 2-1/2" AND 3" WITH BRITISH THREAD. PRESSURE REGULATOR FEATURE, OR APPROVED EQUAL, PROVIDE DC LATCHING SOLENOID AND DECODER FOR 2-WIRE OPERATION.	1	
	CALENSE CS3-16-WM GR-BUNDLE-2 CALENSE CS3000 16-STATION CONTROLLER WITH THE WEATHER OPTION, MODEL CS3-WAIT, TO KEEP A RECORD OF ACCUMULATED RAINFALL. CONTROLLER TO BE WITHIN A RIGID, LOCKABLE, VANDAL-PROOF STAINLESS STEEL WALL-MOUNT ENCLOSURE MOUNTED ON WALL INSIDE RESTROOM STORAGE AREA.	1	
	CALENSE RS-1 CALENSE TRIPPING RAIN BUCKET WITH 2FT TWO WIRE CABLE, EXTENDABLE UP TO 1000FT WITH P1717D CABLE (NOT INCLUDED).	1	
	CALENSE FM-128 CALENSE MIPPLER FLOW SENSOR, 1-1/4IN. BRASS TIE-ADAPTED, 3 GPM @ 41 GPM.	1	
	POINT OF CONNECTION TIE INTO EXISTING IRRIGATION MAINLINE	1	
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40	4,608	L.F.
	IRRIGATION MAINLINE: PVC SCHEDULE 40	1,484	L.F.
	PIPE SLEEVE: PVC CLASS 315 SDR 13.5 TYPICAL PIPE SLEEVES FOR IRRIGATION PIPE. PIPE SLEEVE SIZE SHALL ALLOW FOR IRRIGATION PIPING AND THEIR RELATED COUPLERS TO EASILY SLIDE THROUGH SLEEVING MATERIAL. EXTEND SLEEVES 12 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION.	133.1	L.F.



SCALE: HORIZ AS SHOWN  
VERT AS SHOWN  
ORIGINAL SCALE IN INCHES  
FOR REDUCED PLANS



PROJECT ENGINEER

PLANS APPROVAL DATE

612 CLAYTON COURT  
SAN LUIS OBISPO, CA 95071  
www.wallacegroup.com



## LAGUNA LAKE DOG PARK REVITALIZATION IRRIGATION PLAN

PROJECT FILE: SHEET TITLE:

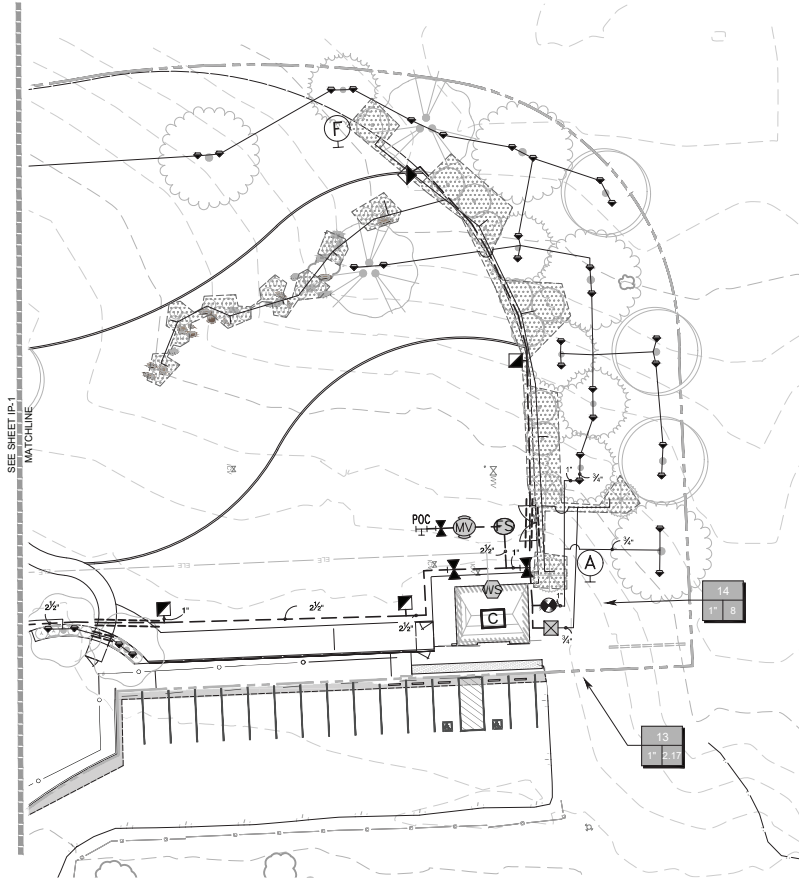
DESIGNED BY: SLB  
DRAWN BY: MCC  
CHECKED BY: EAS  
APPROVED BY:

DATE: 12/21/2023  
CITY SPECIFICATION NO: 200526-01

SHEET NO: IP-1

28 OF 31

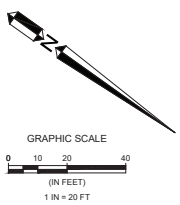
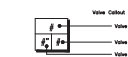
DATE	REVISIONS	APPROVAL
		DESIGN APPROVAL
		CITY



SEE SHEET IP-1  
MATCHLINE

### IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PIE
	HUNTER RZWS-SLEEVE-18-CV-25 1" LONG RZWS WITH FILTER FABRIC SLEEVE, 25 GPM OR 50 GPM BUBBLER OPTIONS, CHECK VALVE, 1/2" BRASS JOINT FOR CONNECTION TO 1/2" PIPE	76	30
	HUNTER LA-06-SS-40 08 TURF ROTOR, 6IN. POP-UP, ADJUSTABLE TO FULL CIRCLE. DRAIN CHECK VALVE, STAINLESS STEEL RISER, 1IN. FEMALE NPT INLET THREADS, HIGH SPEED NOZZLE	6	40 7.6 41"
	HUNTER LA-06-SS-45 10 TURF ROTOR, 6IN. POP-UP, ADJUSTABLE TO FULL CIRCLE. DRAIN CHECK VALVE, STAINLESS STEEL RISER, 1IN. FEMALE NPT INLET THREADS, HIGH SPEED NOZZLE	4	50 10.3 45"
	HUNTER LA-06-SS-45 13 TURF ROTOR, 6IN. POP-UP, ADJUSTABLE TO FULL CIRCLE. DRAIN CHECK VALVE, STAINLESS STEEL RISER, 1IN. FEMALE NPT INLET THREADS, HIGH SPEED NOZZLE	3	50 11.1 46"
	HUNTER LA-06-SS-48 15 TURF ROTOR, 6IN. POP-UP, ADJUSTABLE TO FULL CIRCLE. DRAIN CHECK VALVE, STAINLESS STEEL RISER, 1IN. FEMALE NPT INLET THREADS, HIGH SPEED NOZZLE	16	50 13.5 51"
	RAIN BIRD XCC-150LCS HIGH FLOW CONTROL ZONE KIT, FOR LARGE COMMERCIAL DRIP ZONES, 1-1.0IN. PEEB GLOBE VALVE WITH SINGLE 1-1.0IN. PRESSURE REGULATING SPRING QUICK-CHECK BASKET FILTER, FLOW RANGE: 15-60 GPM.	5	
	RAIN BIRD XCCZF-100PRF LOW FLOW, 2-2.0 GPM WITH 1IN. LOW FLOW VALVE AND 1IN. PRESSURE REGULATING RBY FILTER AND 40PSI PRESSURE REGULATOR	1	
	RAIN BIRD MDCFCAP DRIP LINE FLUSH VALVE CAP W/ COMPRESSION FITTING COUPLER	6	
	RAIN BIRD ARV50 1/2IN. AIR RELIEF VALVE, MADE OF QUALITY BRASS/PROOF MATERIALS, WITH A 6IN. DRIP VALVE BOX (SEE TAB) EMITTER BOX. USE WITH INSTALLATION BELOW SOIL. THE VALVE WILL ALLOW AIR TO ESCAPE THE PIPELINE, THUS PREVENTING WATER HAMMER OR BLOCKAGE	6	
	AREA TO RECEIVE DRIP EMITTERS RAIN BIRD 80C/PC SINGLE OUTLET, PRESSURE COMPENSATING DRIP EMITTERS, FLOW RATES OF 0.5 GPH @ 1.0 GPH @ 1.0, AND 2.0 GPH @ 1.0. COMES WITH A SELF-PENETRATING BARB INLET X BARB OUTLET, WITH CHECK VALVE.	2,637	S.F.
	AREA TO RECEIVE DRIP LINE NET IRR FLOW @ 2.0 TECHLINE PRESSURE COMPENSATING LANDSCAPE DRIP LINE WITH CHECK VALVE, 0.9 GPH EMITTERS AT 1/2" D.C. DRIP LINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN, 1MM.	6,469	S.F.
	HUNTER CV-4-FS (2) 1IN., 1-1/2IN., 2IN. AND 3IN. PLASTIC ELECTRIC REMOTE CONTROL VALVES, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE, WITH FILTER BENTRY.	10	
	RAIN BIRD 44LR (2) 1IN. BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING LOCKING THERMOPLASTIC RUBBER COVER, AND 1/2-PIECE BODY.	13	
	MAINLINE ISOLATION GATE VALVE NIBCO T-134 THREADED (2-1/2" - 8" SIZE), NIBCO T-113 (2" & SMALLER SIZES)	7	
	BUCKNER SUPERIOR 3100-PRLSBPT 1-1/2" NORMALLY OPEN BRASS MASTER VALVE THAT PROVIDES DIRTY WATER PROTECTION, AVAILABLE IN 1/4", 1-1/4", 1-1/2", 2", 2-1/2" AND 3" WITH BRITISH THREAD. PRESSURE REGULATION FEATURE, OR IMPROVED EQUAL, PROVIDE DC LATCHING SOLENOID AND DECODER FOR 2-WIRE OPERATION.	1	
	CALENSE CS3-16-WM GR-BUNDLE-2 CALENSE CS3000 16-STATION CONTROLLER WITH THE WEATHER OPTION, MODEL CS3-WAIT, TO KEEP A RECORD OF ACCUMULATED RAINFALL. CONTROLLER TO BE WITHIN A RIGID, LOCKABLE, WINDAL-PROOF STAINLESS STEEL WALL-MOUNT ENCLOSURE MOUNTED ON WALL INSIDE RESTROOM STORAGE AREA.	1	
	CALENSE RS-1 CALENSE TRIPPING RAIN BUCKET WITH 1/2FT TWO WIRE CABLE, EXTENDABLE UP TO 1000FT WITH P7171D CABLE (NOT INCLUDED).	1	
	CALENSE FM-128 CALENSE IMPELLER FLOW SENSOR, 1-1/4IN. BRASS TIE-MOUNTED, 3 GPM @ 40 PSI	1	
	POINT OF CONNECTION TIE INTO EXISTING IRRIGATION MAINLINE	1	
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40	4,608	L.F.
	IRRIGATION MAINLINE: PVC SCHEDULE 40	1,484	L.F.
	PIPE SLEEVE: PVC CLASS 315 SDR 13.5 TYPICAL PIPE SLEEVES FOR IRRIGATION PIPE. PIPE SLEEVE SIZE SHALL ALLOW FOR IRRIGATION PIPING AND THEIR RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING MATERIAL. EXTEND SLEEVES 12 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION.	133.1	L.F.



SCALE: HORIZ AS SHOWN  
VERT AS SHOWN  
ORIGINAL SCALE IN INCHES  
FOR REDUCED PLANS

DATE	REVISIONS	APPROVAL
	DESCRIPTION	DESIGN APPROVAL CITY



PROJECT ENGINEER

PLANS APPROVAL DATE

612 CLAYTON COURT  
SAN LUIS OBISPO, CA 95071  
www.wallacegroves.com



**LAGUNA LAKE DOG PARK  
REVITALIZATION  
IRRIGATION PLAN**

PROJECT TITLE: LAGUNA LAKE DOG PARK REVITALIZATION  
SHEET TITLE: IRRIGATION PLAN

DESIGNED BY: SLB  
DRAWN BY: MCC  
CHECKED BY: EAS  
APPROVED BY:

DATE: 12/21/2023  
CITY SPECIFICATION NO: 200526-01

SHEET NO: IP-2

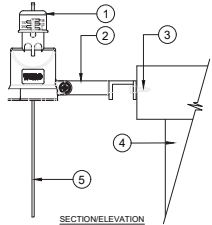
29 OF 31

**LEGEND:**

- 1 SET THE CONTROLLER 60" ABOVE FINISHED GRADE IN A WATERPROOF ENCLOSURE UNLESS OTHERWISE NOTED
- 2 CONTROLLER AS SPECIFIED. SECURELY LOCK CONTROLLER TO WALL. INSTALL BACKUP BATTERIES AS REQUIRED. GROUND AS PER MANUFACTURER'S SPECIFICATIONS.
- 3 2" DIAMETER RIGID STEEL CONDUIT FOR RCV WIRES
- 4 1/2" DIA. RIGID STEEL CONDUIT FOR 110 VAC ELECTRICAL SOURCE. INSTALL AS PER LOCAL ELECTRICAL CODES
- 5 12" X 12" X 4" STEEL JUNCTION BOX. GROUP WIRE BUNDLES AND SPLICE TO 18 GA. WIRES WITH TERMINAL STRIP AS PER SPECIFICATIONS
- 6 2" DIAMETER RIGID STEEL CONDUIT FOR RCV WIRES
- 7 FINISHED GRADE
- 8 LONG SWEEP ELL
- 9 USE PVC SCH. 40 BELOW GRADE

**NOTE:**

A. REPLACE EXISTING CONTROLLER AND USE EXISTING CONDUIT SWEEP



**LEGEND:**

- 1 TORO WIRELESS RAIN SENSOR, MODEL NO. TWRF5
- 2 ADJUSTABLE MOUNTING BRACKET
- 3 WOOD SCREW
- 4 BUILDING WALL AT ROOF LINE
- 5 ANTENNA

**NOTE:**  
 MOUNT SENSOR VERTICALLY. AVOID PLACEMENT UNDER EYE OR TREE CANOPY. LOCATE WITHIN 300 FEET OF SENSOR RECEIVER AND CONTROLLER.

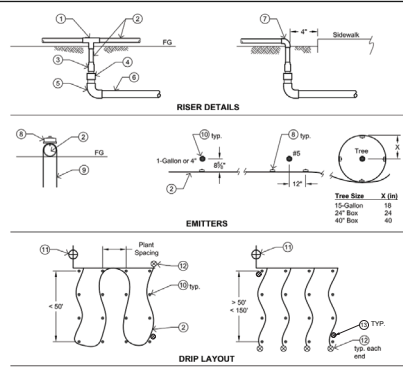
**NOTES:**  
 A. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.  
 B. DO NOT SCALE DRAWINGS.  
 C. CONTRACTOR NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT: www.CADetails.com/info REFERENCE NUMBER 065-256.

**2 WALL MOUNT CONTROLLER**

**3 WIRELESS RAIN SENSOR - ROOF LINE MOUNT**

1" = 1'-0" 328409.13-02

NOT TO SCALE 328409.65-06



**GENERAL NOTES:**  
 A. Lateral lines shall be class 200 unless otherwise noted.  
 B. All drip irrigation lines and emitters shall be installed below mulch layer.  
 C. Total length of drip tubing not to exceed 150'.  
 D. Ends of drip tube shall be no more than 3" from edge of hardscape in valve box as shown.  
 E. In areas where recycled water will or could be used, all tubing shall be purple for use with recycled water.

**INSTALLATION NOTES:**

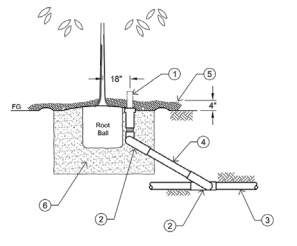
1 Drip Tee	13 PVC El	16 1/2" Staple @ 5' O.C. - Soil Saver
2 Drip Tubing - 1/2"	14 PVC Irrigation Lateral Line - 1/2"	17 Corner of Flant
3 Drip Thread / Slip Adapter	15 Drip Ell	18 Pressure Line Valve
4 PVC Slip / Thread Adapter	16 Emitter - Pressure compensating, self-flushing	19 Manual Flush Valve
		20 Hunter pop up indicator

REVISIONS	BY	APP	DATE
New Standard	RL	JDF	1-6-1
Added Note E	SR	RL	3-0-0
Drafting edit	JCL	AR	6-13

STANDARD CURRENT AS OF: AUGUST 2020

**DRIP IRRIGATION**

8860



**GENERAL NOTES:**  
 A. Where system is or has the potential to hook up to non-potable water, rotor head shall have a Recirculate Water cover.  
 B. Pipe material shall be Class 200 PCV.  
 C. See Engineering Standards for tree planting.  
 D. Minimum of one (1) bubbler per tree or as specified on the plans.

**INSTALLATION NOTES:**

- 1 Bubbler Pop-up, set even with finished grade; Rain Bird
- 2 Triple Swing Joint; Marflex (3)
- 3 Irrigation Lateral Line
- 4 Schedule 80 PVC Nipple
- 5 4" deep Mulch
- 6 5 gallon tree; 30" diameter around tree
- 7 15 gallon tree; 18" diameter around tree
- 8 24" box; 72" diameter around tree
- 9 Backfill per Standard Specifications

REVISIONS	BY	APP	DATE
New Standard	RL	JDF	1-6-1
Drafting edit	JCL	AR	6-13
Detail Note 7	SR	RL	

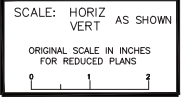
STANDARD CURRENT AS OF: AUGUST 2020

**TREE BUBBLER**

3670

**IRRIGATION NOTES:**

1. THE SYSTEM DESIGN SHOWN IS BASED UPON A MINIMUM PRESSURE OF 80 PSI AT A MAXIMUM DISCHARGE OF 80 GPM. VERIFY PRESSURE AND FLOW ON SITE PRIOR TO CONSTRUCTION WORK AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE.
2. ALL WORK SHALL CONFORM TO LOCAL AND STATE CODES AND ORDINANCES AND THE PLANS, SPECIFICATIONS, DETAILS AND NOTES FOR THIS PROJECT. READ THOROUGHLY AND BECOME FAMILIAR WITH THE SPECIFICATIONS AND INSTALLATION DETAILS FOR THIS AND RELATED WORK PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, INCLUDING, BUT NOT LIMITED TO, UNDERGROUND UTILITIES AND STRUCTURES. COORDINATE ALL WORK WITH CIVIL, MECHANICAL, AND ELECTRICAL WORK AND TRADES TO MINIMIZE CONFLICTS. THE WORK INCLUDES THE RESPONSIBILITY FOR THE INSTALLATION OF IRRIGATION SLEEVING. CONTRACTOR SHALL COORDINATE SLEEVE INSTALLATION AND SEQUENCE HIS WORK WITH ALL WORK AND DISCIPLINES AS REQUIRED.
4. LAYOUT SHOWN IS DIAGRAMMATIC. IRRIGATION PIPING AND COMPONENTS MAY BE SHOWN OUTSIDE PLANTING AREAS FOR CLARITY. INSTALL IRRIGATION PIPING AND WIRING IN LANDSCAPED AREAS WHENEVER POSSIBLE. INSTALL IRRIGATION VALVES IN GRASS COVER OR SHRUB AREAS WHENEVER POSSIBLE. LOCATE IRRIGATION CONTROL AND QUICK COUPLING VALVES ADJACENT TO HARDSCAPE OR TURF AREAS FOR EASY ACCESS. AVOID CONFLICTS BETWEEN THE IRRIGATION SYSTEM, PLANTING MATERIAL, AND ARCHITECTURAL FEATURES.
5. DO NOT PROCEED WITH THE INSTALLATION OF THE SYSTEM WHEN IT IS EVIDENT THAT FIELD CONDITIONS OR DIFFERENCES EXIST THAT COULD NOT HAVE BEEN CONSIDERED IN ENGINEERING OR IF DISCREPANCIES IN CONSTRUCTION DRAWINGS, DETAILS, NOTES AND SPECIFICATIONS ARE DISCOVERED. BRING ALL SUCH DIFFERING FIELD CONDITIONS AND DISCREPANCIES TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
6. THE BACKFLOW PREVENTION DEVICE IS EXISTING AND LOCATED AT PARK ENTRANCE ALONG MADONNA RD.
7. SEE LEGEND FOR PIPING MATERIAL. SEE DRAWINGS AND LEGEND FOR PIPE SIZES. SIZE CALLOUTS ON DRAWINGS INDICATE NOMINAL PIPE SIZE. UNLABELED SECTIONS ARE THE NOMINAL SIZE OF THE PRECEDING CALLOUT. SUBSEQUENT CALLOUTS INDICATE CHANGE IN PIPE SIZE.
8. UNLESS OTHERWISE NOTED, TRENCHING DEPTHS FOR IRRIGATION SHALL BE 18" FOR MAINLINES AND 12" FOR LATERALS. DEPTH SHALL BE MEASURED FROM THE TOP OF PIPE TO FINISHED SOIL LEVEL.
9. INSTALL CONCRETE THRUST BLOCKS ON ALL MAINLINES THREE (3) INCHES AND LARGER IN DIAMETER IN ACCORDANCE WITH LOCAL CODES AND STANDARDS OR ASSE STANDARDS S178.1.
10. ALL MAINLINES, LATERALS, AND CONTROL WIRES UNDER PAVEMENT OR CONCRETE SHALL BE INSTALLED IN SCHEDULE 40 PVC SLEEVES. SLEEVES SHALL EXTEND 12" BEYOND EDGE OF PAVEMENT AND SHALL HAVE ENDS CLEARLY MARKED ABOVE GRADE DURING CONSTRUCTION.
11. PRIOR TO BACKFILLING, FLUSH AND TEST MAINS AND LATERALS. FLUSH MAINS BEFORE INSTALLING VALVES. FLUSH LATERALS BEFORE INSTALLING SPRINKLERS. SUBJECT MAINS TO HYDROSTATIC PRESSURE OF 1.5 TIMES THE ANTICIPATED OPERATING PRESSURE (MIN. 100 PSI) FOR TWO HOURS. SUBJECT LATERALS TO HYDROSTATIC PRESSURE EQUAL TO ANTICIPATED OPERATING PRESSURE. ALL FLUSHING SHALL BE DONE IN THE PRESENCE OF THE ARCHITECT. BACKFILL WITH CLEAN MATERIAL FROM EXCAVATION. REMOVE ROCKS AND DEBRIS LARGER THAN 1" DIAMETER.
12. INSTALL QUICK COUPLING VALVE ASSEMBLIES AS SHOWN OR APPROXIMATELY 50 FEET ON CENTER FOR IRRIGATION AND HARDSCAPE WASHDOWN WATER.
13. THE FINAL LOCATION OF THE IRRIGATION CONTROLLER SHALL BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. 120V ELECTRICAL SUPPLY SHALL BE BY OTHERS. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING THE FINAL CONNECTION TO THE CONTROLLER IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND LOCAL ELECTRICAL CODES.
14. INSTALL ONE (1) AWG #14 CONTROL WIRE (WIRE COLOR TO VARY FOR EACH VALVE) FROM THE CONTROLLER TO EACH REMOTE CONTROL VALVE. INSTALL ONE (1) AWG #14 WIRE (GREEN) FROM THE CONTROLLER TO THE MOST REMOTE REMOTE CONTROL VALVE ALONG EACH BRANCH OF WIRING RUNS FOR USE AS A SPARE CONTROL WIRE. INSTALL ONE (1) AWG #12 WIRE (WHITE) FOR COMMON GROUND. COIL THREE (3) FEET OF WIRE IN EACH VALVE OR SPLICE BOX. USE 3M DBY SPLICE KITS FOR ALL WIRE CONNECTIONS AND SPLICES.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE AND UNIFORM COVERAGE OF ALL PLANTED AREAS. ADJUST REMOTE CONTROL VALVE PRESSURE REGULATOR AND FLOW CONTROL TO BALANCE EACH LATERAL SYSTEM AND TO ENSURE PROPER VALVE CLOSURE TIME. SELECT AND ADJUST NOZZLES FOR SPRAY AND BUBBLER SPRINKLERS WITH RADI AND ANGLES TO ENSURE UNIFORM COVERAGE WITH MINIMUM OVERSPRAY. SELECT NOZZLES FOR ROTARY SPRINKLERS AND ADJUST DIFFUSER AND RADIUS TO ENSURE UNIFORM COVERAGE WITH MINIMUM OVERSPRAY.
16. CONTRACTOR SHALL ADJUST SPRINKLER HEAD LOCATION(S) AND ADD HEADS AS REQUIRED TO ACCOMMODATE VERTICAL OBSTRUCTIONS, INCLUDING, BUT NOT LIMITED TO LIGHT POLES, FIRE HYDRANTS, AND SIGNAGE.
17. INSTALL PLASTIC CHECK VALVES AT THE BASE OF ALL SPRINKLER HEADS OR INSTALL SPRINKLER HEADS WITH INTEGRAL CHECK VALVES AS REQUIRED TO PREVENT LOW-HEAD DRAINAGE.



DATE	REVISIONS	APPROVAL
	DESCRIPTION	DESIGNER



PROJECT ENGINEER

PLANS APPROVAL DATE

041 And 042 (04/20/2020) (04/20/2020)  
 043 (04/20/2020) (04/20/2020)  
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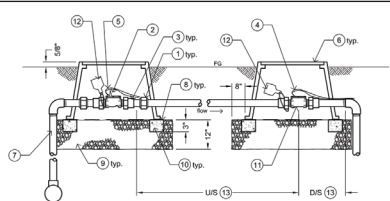
**LAGUNA LAKE DOG PARK  
 REVITALIZATION  
 IRRIGATION DETAILS & NOTES**

PROJECT FILE: SHEET TITLE:  
 DESIGNED BY: SLB  
 DRAWN BY: MCC  
 CHECKED BY: EAS  
 APPROVED BY:

DATE: 12/21/2023  
 CITY SPECIFICATION NO: 200526-01

SHEET NOS: **ID-1**

SHEET NO: **30 OF 31**



**GENERAL NOTES:**

- A. Locate valves in shrub areas whenever possible.
- B. Valve boxes shall be a maximum of 12" from walkways or curbs.
- C. Valve boxes shall be set parallel to walkways or curbs.
- D. Flow meter size and pipe size must be equal.
- E. No splices are allowed in wiring except at connectors shown (in box).

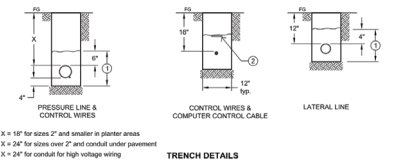
**INSTALLATION NOTES:**

- 1 PVC Union
- 2 Master Valve - normally open
- 3 PVC Male Adapter
- 4 Flow Sensor Specialized Shielded Cable (EV-CAB-SEN) (1-Flow Meter, 1-Common) - Maximum distance between meter and controller is 2000' -
- 5 14 gauge Master Valve Controller Wires (1-Valve, 1-Common)
- 6 Plastic Valve Box with bolt-down lid. Bolts to be stainless steel. Emboss "MV" and "FS" on lid Carson Industries 1419-3B (purple) for Recycled Water Valves up to 2" Carson Industries 1324-3B (purple) for Recycled Water Valves 2 1/2" and larger
- 7 Irrigation Pressure Mainline
- 8 Galvanized Cloth set under box - 1/2" grid
- 9 Gravel - 3/4" to 1 1/2" in size
- 10 Cement Blocks or Brick continuous for box support
- 11 Flow Sensor - Rain-Master
- 12 Attach Recycled Water Warning Tab per Engineering Standard 8810 when used in recycled water system.
- 13 US distance equals ten (10) times the Flow Meter size.
- D/S distance equals five (5) times the Flow Meter size.

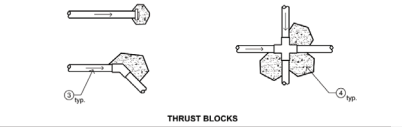
REVISIONS	BY	APP	DATE
Esti New 11, add PVC Union	JCL	RL	6-12
Revised Note 2 and 11	AM	RL	11-03
Revised Note 4 and 5	SR	RL	6-17

**MASTER VALVE & FLOW SENSOR**

8500



X = 18" for sizes 2" and smaller in plaster areas  
X = 24" for sizes over 2" and conduit under pavement  
X = 24" for conduit for high voltage wiring



**GENERAL NOTES:**

- A. Pressure lines shall be per the Standard Specifications unless otherwise noted.
- B. Lateral lines shall be Class 200 unless otherwise noted.
- C. Control wires shall be taped together at 2' intervals. Where control wires share a trench with pressure lines, they shall be placed below the 4 o'clock and 8 o'clock position under the pressure line.
- D. Thrust blocks shall be installed at maximum turns, elbows, tees, caps, plugs, changes in direction, at terminal points of all rubber gasket piping and at any other additional points shown on the plans.

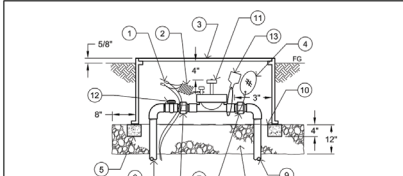
**INSTALLATION NOTES:**

- 1 Select backfill compacted to 95%, with native above to grade compacted to 85%. Native material to be fine earth material free from clods, rocks, and other large matter. If existing soil is not acceptable, the contractor shall import soil as backfill.
- 2 3" Detectable Marker Type marked "WATER" or "NON-POTABLE WATER" depending on the irrigation supply source. The Enterprises (distributed by T. Crisley Enterprises)
- 3 Direction of flow
- 4 Class 3 PCC Thrust Block, sized as needed for pressure.

REVISIONS	BY	APP	DATE
New Standard	JCL	JMW	1-04
Revised Lateral Line Detail	DVB	RL	11-08
Revised Installation Note 7	JCL	RL	5-12

**TRENCH DETAIL & THRUST BLOCKS**

8610



**GENERAL NOTES:**

- A. Locate valves in shrub areas whenever possible.
- B. Valve boxes shall be a maximum of 12" from walkways or curbs.
- C. Valve boxes shall be set parallel to walkways or curbs.
- D. One valve per box.

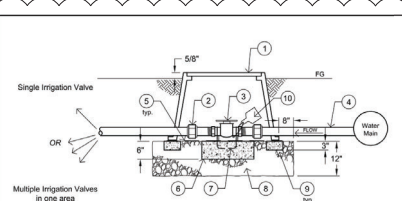
**INSTALLATION NOTES:**

- 1 Connector: King One Step Model 70-566 30 Volt Rain Bird Squatite with isolator #87-03 Grey PT-55
- 2 14 gauge Direct Burial Wire with 12" expansion coil (1- valve, 1- common)
- 3 Plastic Valve Box with bolt-down lid, bolts to be stainless steel. Emboss "MV" on lid Carson Industries 1419-3B (purple) for Recycled Water Valves up to 2" Carson Industries 1324-3B (purple) for Recycled Water Valves 2 1/2" and larger
- 4 2" diameter aluminum or plastic Valve Tag, attach with non-ferrous wire, engrave with valve station number.
- 5 Cement Block (4 total) under each box corner
- 6 Irrigation Lateral Line
- 7 PVC Union
- 8 Gravel - 1/2" to 1 1/2" in size
- 9 Irrigation Pressure Line
- 10 Galvanized Cloth set under box - 1/2" grid
- 11 Control Valve: Introl 100 Series
- 12 PVC Ball Valve
- 13 Attach Recycled Water Warning Tab per Engineering Standard 8810 when used for recycled water

REVISIONS	BY	APP	DATE
Esti New 11, add PVC Union	JCL	RL	6-12
Add Note 12	AM	RL	6-05
Revised Note 2	SR	RL	6-17

**ELECTRIC CONTROL VALVE & BOX**

8620



**GENERAL NOTES:**

- A. Isolation valves shall be installed for all irrigation valves.
- B. Locate valves in shrub areas whenever possible.
- C. Valve boxes shall be a maximum of 12" from walkways or curbs.
- D. Valve boxes shall be set parallel to walkways or curbs.
- E. Valve size and pipe size must be equal.

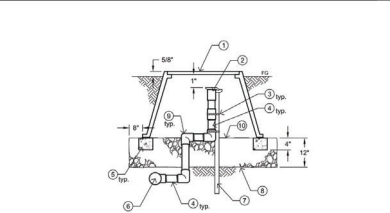
**INSTALLATION NOTES:**

- 1 Plastic Valve Box with bolt-down lid. Bolts to be stainless steel. Carson Industries 1419-3B (purple) for Recycled Water Valves up to 2" Carson Industries 1324-3B (purple) for Recycled Water Valves 2 1/2" and larger
- 2 PVC Union
- 3 Brass Ball Valve
- 4 Schedule 40 Pressure Line
- 5 Galvanized Cloth set under box: 1/2" grid
- 6 Concrete block below valve, extending 6" beyond outside dimensions of valve
- 7 #10 Reinforcing Bar looped over valve - Only for valves 2 1/2" and larger
- 8 Gravel: 3/4" to 1 1/2" in size
- 9 Cement Blocks or Brick continuous for box support
- 10 Attach Recycled Water Warning Tab per Engineering Standard 8810 when used for recycled water.

REVISIONS	BY	APP	DATE
Add PVC Union, drafting only	JCL	RL	6-12
Revised Notes and Detail	AM	RL	10-05
Change Note 7, Add Note 10	SR	RL	3-05

**ISOLATION VALVE**

8640



**GENERAL NOTES:**

- A. Locate valves in shrub areas whenever possible.
- B. Valve boxes shall be a maximum of 12" from walkways or curbs.
- C. Valve boxes shall be set parallel to walkways or curbs.
- D. One valve per box.
- E. Areas where recycled water may be used shall have purple box covers.
- F. Pipe shall be Schedule 40 PVC unless otherwise noted.

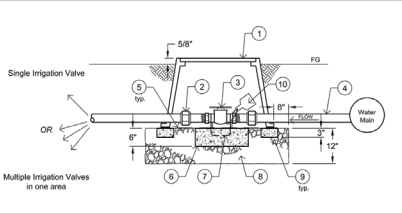
**INSTALLATION NOTES:**

- 1 Round Plastic Valve Box: Carson #910-12B Emboss "QC" on lid
- 2 Quick Coupler Valve: Rain Bird #44, use #4N for Recycled Water
- 3 Stainless Steel Clamp
- 4 Schedule 80 Nipple
- 5 Cement Block (4 total) under each box corner when box is located in turf area
- 6 Tee connected to irrigation pressure line
- 7 1/2" x 1" x 30" Angle Iron
- 8 Gravel: 3/4" to 1 1/2" in size
- 9 Schedule 80 Elb
- 10 Galvanized Cloth set under box, 1/2" grid

REVISIONS	BY	APP	DATE
New Standard	JCL	JMW	1-04
Revised Note 2 and 2	SR	RL	3-05
Drafting only	JCL	AM	6-12

**QUICK COUPLER VALVE and BOX**

8630



**GENERAL NOTES:**

- A. Isolation valves shall be installed for all irrigation valves.
- B. Locate valves in shrub areas whenever possible.
- C. Valve boxes shall be a maximum of 12" from walkways or curbs.
- D. Valve boxes shall be set parallel to walkways or curbs.
- E. Valve size and pipe size must be equal.

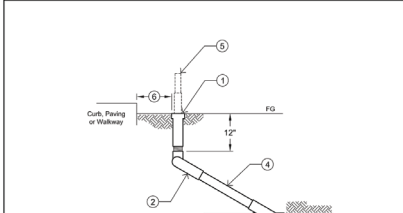
**INSTALLATION NOTES:**

- 1 Plastic Valve Box with bolt-down lid. Bolts to be stainless steel. Emboss "IV" on lid Carson Industries 1419-3B (purple) for Recycled Water Valves up to 2" Carson Industries 1324-3B (purple) for Recycled Water Valves 2 1/2" and larger
- 2 PVC Union
- 3 Brass Ball Valve
- 4 Schedule 40 Pressure Line
- 5 Galvanized Cloth set under box: 1/2" grid
- 6 Concrete block below valve, extending 6" beyond outside dimensions of valve
- 7 #10 Reinforcing Bar looped over valve - Only for valves 2 1/2" and larger
- 8 Gravel: 3/4" to 1 1/2" in size
- 9 Cement Blocks or Brick continuous for box support
- 10 Attach Recycled Water Warning Tab per Engineering Standard 8810 when used for recycled water.

REVISIONS	BY	APP	DATE
Add PVC Union, drafting only	JCL	RL	6-12
Revised Notes and Detail	AM	RL	10-05
Revised Note 7, Add Note 10	SR	RL	3-05

**ISOLATION VALVE**

8640



**GENERAL NOTES:**

- A. Where system is or has the potential to hook up to non-potable water, rotor head shall have a Reclaimed Water cover.
- B. Pipe material shall be Class 200 PVC unless otherwise noted.

**INSTALLATION NOTES:**

- 1 Rotor or Spray Pop-up or Hs-pop Body, set even with finished grade.
- 2 Triple Swing Joint, Marx (3)
- 3 Irrigation Lateral Line
- 4 Schedule 80 Nipple
- 5 Pop-up height to be above matured plant material height.
- 6 Distance must be 2 feet but may be reduced to 2 inches where overspray to adjacent impervious surface runs off to vegetated area.

REVISIONS	BY	APP	DATE
Added note 6	AM	RL	1-14
Revised Note from curb	DVB	RL	11-07
Pop-up height (Note 5)	JCL	RL	6-12

**POP-UP HEAD**

8650



PROJECT ENGINEER

PLANS APPROVAL DATE

DATE AND TIME OF PLAN CHECKS:  
 PROJECT ENGINEER: DAN JONES  
 PROJECT SUPERVISOR: [Name]  
 WATER RESOURCES DIVISION  
 612 CLAYTON COURT  
 SAN LUIS OBISPO, CA 95071  
 www.lubbockonline.com



PROJECT ENGINEER

**LAGUNA LAKE DOG PARK  
 REVITALIZATION  
 IRRIGATION DETAILS & NOTES**

PROJECT TITLE: SHEET TITLE:

DESIGNED BY: SLB  
 DRAWN BY: MCC  
 CHECKED BY: EAS  
 APPROVED BY:

DATE: 12/21/2023  
 CITY SPECIFICATION NO: 200526-01

SHEET NO: **ID-2**

31 OF 31

DATE	REVISIONS	APPROVAL	
		DESIGNER	CITY

SCALE: HORIZ AS SHOWN  
 VERT AS SHOWN  
 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS