INDEX OF SHEETS:

SHEET No.		DESCRIPTION
1	T-1	TITLE
2	PC-1	PROJECT CONTROL
3	X-1	TYPICAL SECTIONS
4-7	L-1 TO L-4	LAYOUT
8-10	P-1 TO P-3	PROFILE
11-16	C-1 TO C-6	CONSTRUCTION DETAILS
17-18	SC-1 TO SC-2	STAGE CONSTRUCTION
19-20	D-1 TO D-2	DETOUR PLANS
21		POLLUTION PREVENTION

CITY OF BERKELEY

ALAMEDA COUNTY, CALIFORNIA

PLANS

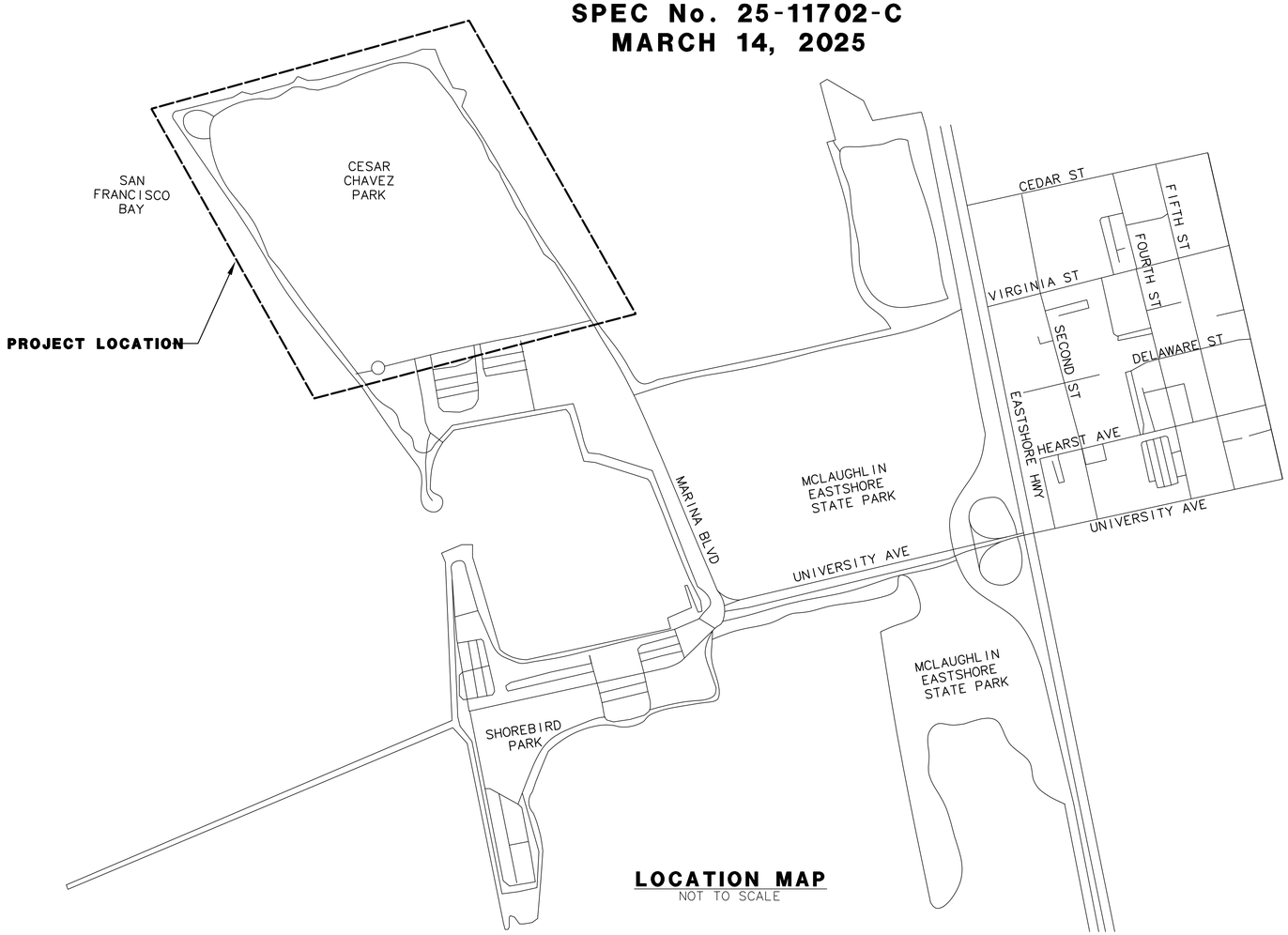
FOR THE CONSTRUCTION OF

CESAR CHAVEZ PARK PERIMETER PATHWAY IMPROVEMENT PROJECT

CITY PROJECT No. PRWWF23004

SPEC No. 25-11702-C

MARCH 14, 2025



LOCATION MAP
NOT TO SCALE

THIS SET INCLUDES BASE BID, ADDITIVE BID A, B, AND C.

BASE BID:

- "A" LINE FROM STA 1+00 TO STA 51+00
- "B" LINE
- SHORELINE RIPRAP REPAIR
- MARINA BLVD TRUCK ENTRANCE
- SPINNAKER WAY SERVICE ENTRANCE
- CONCRETE PADS FOR BIGBELLY RECEPTACLE NEAR LIMITS OF WORK(R03, R06-R11, AND R18-R24)

ADDITIVE BID A:

- "A" LINE FROM STA 51+00 TO 58+64
- PICNIC AREAS
- CONCRETE PADS FOR BIGBELLY RECEPTACLE NEAR LIMITS OF WORK (R14-R17)

ADDITIVE BID B:

- NW CORNER SITTING AREA

ADDITIVE BID C:

- BIGBELLY TRASH RECEPTACLE WITH CONCRETE PADS (R01, R05, R12, AND R13)

CESAR CHAVEZ PARK PERIMETER PATHWAY IMPROVEMENT PROJECT

TITLE

SHEET No. T-1

TOTAL SHEETS 21

FILE No.: SCC_22-155

CITY OF BERKELEY
PARKS, RECREATION & WATERFRONT DEPARTMENT

DESIGNED BY: HG
DRAWN BY: EH
APPROVED BY:
SUPERVISING CIVIL ENGINEER: NELSON LAM

CHECKED BY: JLS
APPROVAL REC'M'D:

PROJ. NO.: PRWWF23004
DATE: 03-14-2025
SCALE:

BY	DESCRIPTION	DATE	REV.

REGISTERED PROFESSIONAL ENGINEER
JOE STREEPER
NO 64445
CIVIL
STATE OF CALIFORNIA

03-14-2025
DATE

JOE STREEPER, PE

MARK THOMAS

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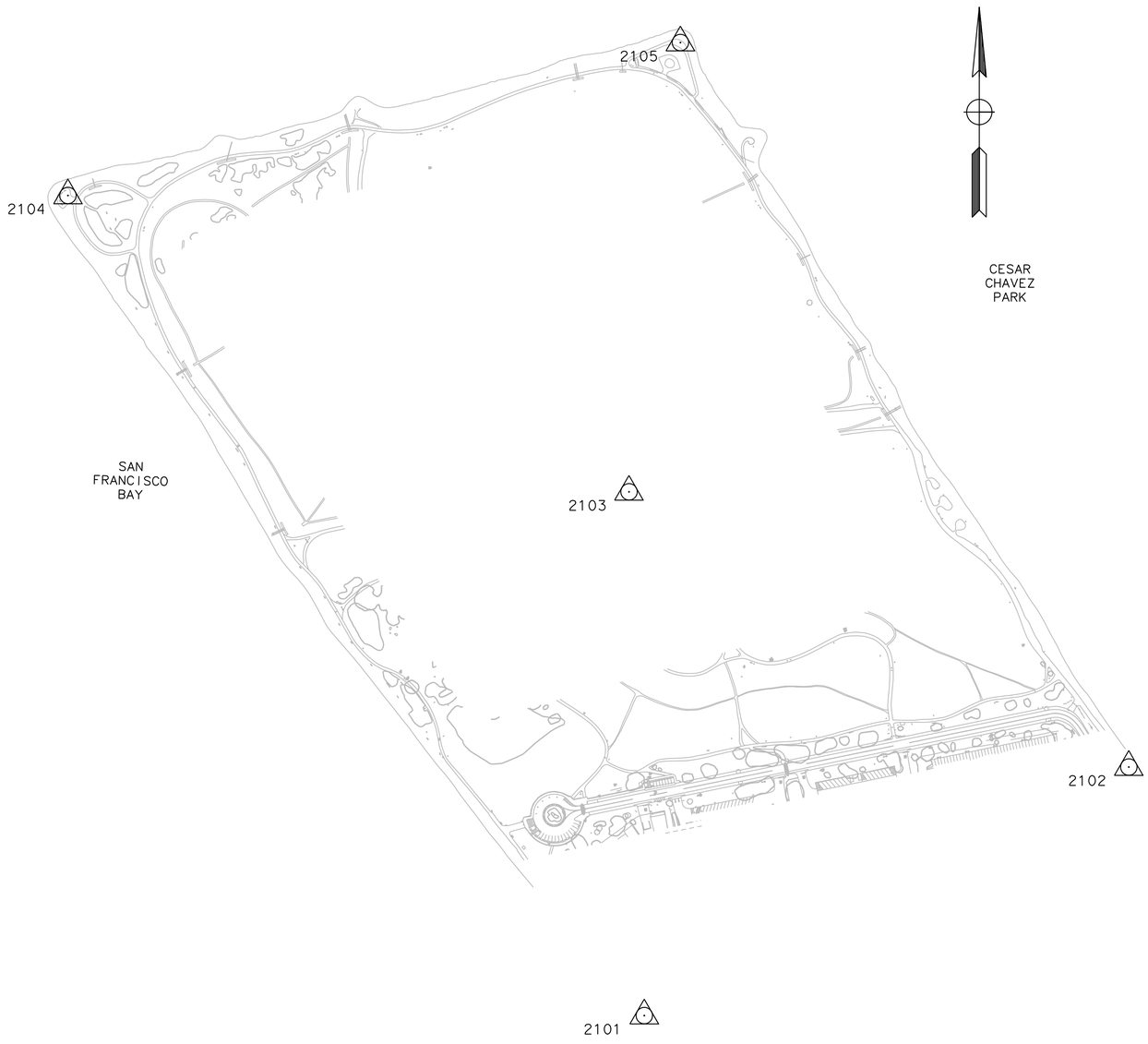
LEGEND:

CONTROL POINT



PLAN

SURVEY CONTROL REPORT

DATUM STATEMENT

COORDINATES SHOWN ARE BASED ON NAD83 (2011), CCS83 ZONE 3 EPOCH 2017.50 AND ORTHOMETRIC HEIGHTS SHOWN ARE NAVD 88 VALUES BASED ON SCRIPPS ORBIT AND PERMANENT ARRAY CENTER (SOPAC) / CALIFORNIA SPATIAL REFERENCE CENTER (CSRC) HORIZONTAL CONTINUOUSLY OPERATING BASE STATIONS AND NATIONAL GEODETIC SURVEY (NGS) VERTICAL CONTROL POINTS. COORDINATES AND ELEVATIONS ARE IN U.S. SURVEY FEET.

HORIZONTAL AND VERTICAL CONTROL

THE HORIZONTAL AND VERTICAL CONTROL WAS ESTABLISHED UTILIZING GPS FAST STATIC AND GPS RTK METHODS. GPS DATA WAS COLLECTED WITH TRIMBLE GPS SYSTEM DUAL FREQUENCY, DUAL P-CODE RECEIVERS OWNED AND OPERATED BY MARK THOMAS.

FAST STATIC SURVEY

THE PUBLISHED VALUES FOR THE CSRC CONTROL POINTS P224 (SIBLEYVOLCCN2005) AND WINT (WINT_BARD_CN1991) WERE HELD BOTH HORIZONTALLY AND VERTICALLY TO THIS NETWORK OF MEASUREMENTS.

THE PUBLISHED VALUES FOR THE CSRC CONTROL POINT OHLN (OHLONE PARK) WAS HELD HORIZONTALLY ONLY TO THIS NETWORK OF MEASUREMENTS.

THE PUBLISHED VALUES FOR THE CSRC CONTROL POINT TIBB (TIBURON PENINSULA) WAS HELD VERTICALLY ONLY TO THIS NETWORK OF MEASUREMENTS.

SURVEY CERTICATION

I HEREBY CERTIFY THAT THIS SURVEY WAS PREPARED UNDER MY PERSONAL DIRECTION AND DIRECT SUPERVISION.

MARK THOMAS & COMPANY, INC.

Sherrie J. Zimmerman, LS 8964
Survey Manager

PROFESSIONAL LAND SURVEYOR
SHERRIE J. ZIMMERMAN
LS 8964
STATE OF CALIFORNIA

November 21, 2024
Date

SURVEY CONTROL

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
2101	2143666.21	6036703.17	12.46	FLIGHT CROSS
2102	2144377.09	6038089.09	8.74	FLIGHT CROSS
2103	2145164.01	6036659.38	33.12	FLIGHT CROSS
2104	2146011.48	6035054.50	15.67	FLIGHT CROSS
2105	2146448.76	6036806.49	15.10	FLIGHT CROSS

CESAR CHAVEZ PARK PERIMETER PATHWAY IMPROVEMENT PROJECT

PROJECT CONTROL

SHEET No. PC-1
TOTAL SHEETS 21
FILE No.: SCC_22-155
SCALE: 1" = 200'
DATE: 03-14-2025
PROJ. NO.: PRWW23004

CITY OF BERKELEY
PARKS, RECREATION & WATERFRONT DEPARTMENT

DESIGNED BY: HG
DRAWN BY: EH
APPROVED BY: NELSON LAM
SUPERVISING CIVIL ENGINEER
CHECKED BY: JLS
APPROVAL REC'M'D:

BY	DESCRIPTION	DATE	REV.

MARK THOMAS

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NOTE:

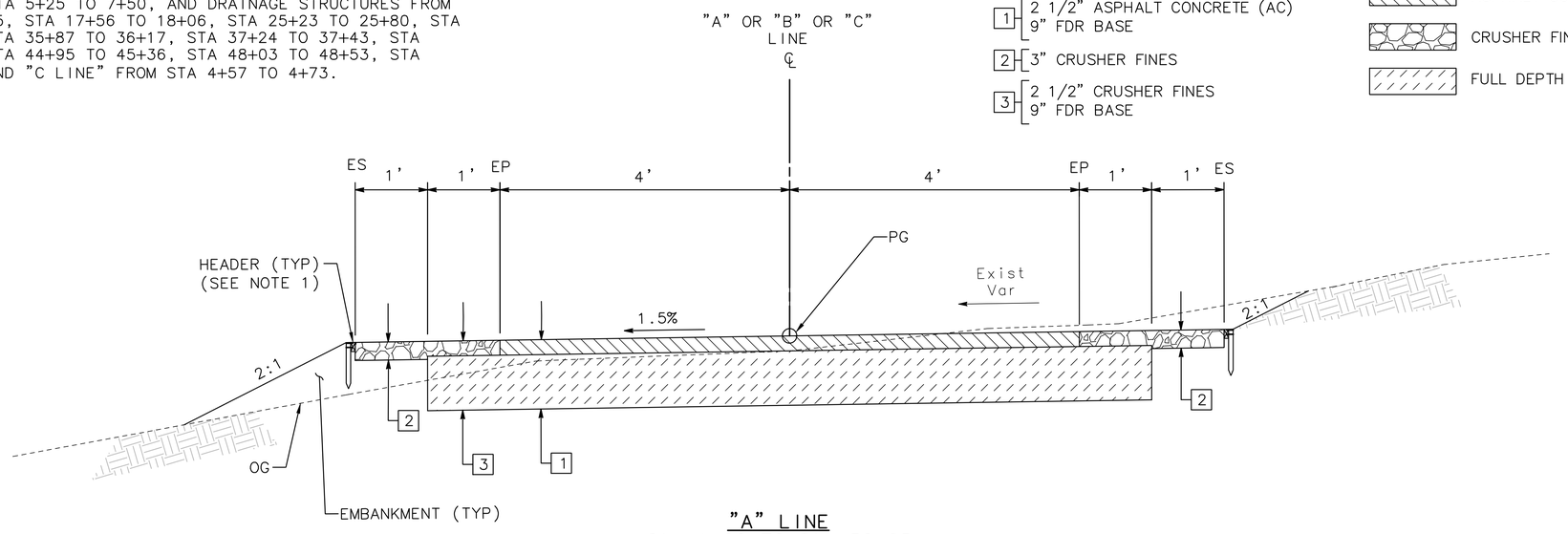
1. HEADER BOARDS ARE OMITTED ON THE OUTWARD SIDE OF THE TRAIL DUE TO RIPRAP BOULDERS FROM "A LINE" STA 1+21 TO 2+22, DENSE VEGETATION FROM STA 5+25 TO 7+50, AND DRAINAGE STRUCTURES FROM STA 12+26 TO 12+65, STA 17+56 TO 18+06, STA 25+23 TO 25+80, STA 28+94 TO 29+48, STA 35+87 TO 36+17, STA 37+24 TO 37+43, STA 42+13 TO 42+76, STA 44+95 TO 45+36, STA 48+03 TO 48+53, STA 50+06 TO 50+44, AND "C LINE" FROM STA 4+57 TO 4+73.

TYPICAL PAVEMENT STRUCTURAL SECTIONS:

1. 2 1/2" ASPHALT CONCRETE (AC) 9" FDR BASE
2. 3" CRUSHER FINES
3. 2 1/2" CRUSHER FINES 9" FDR BASE

LEGEND:

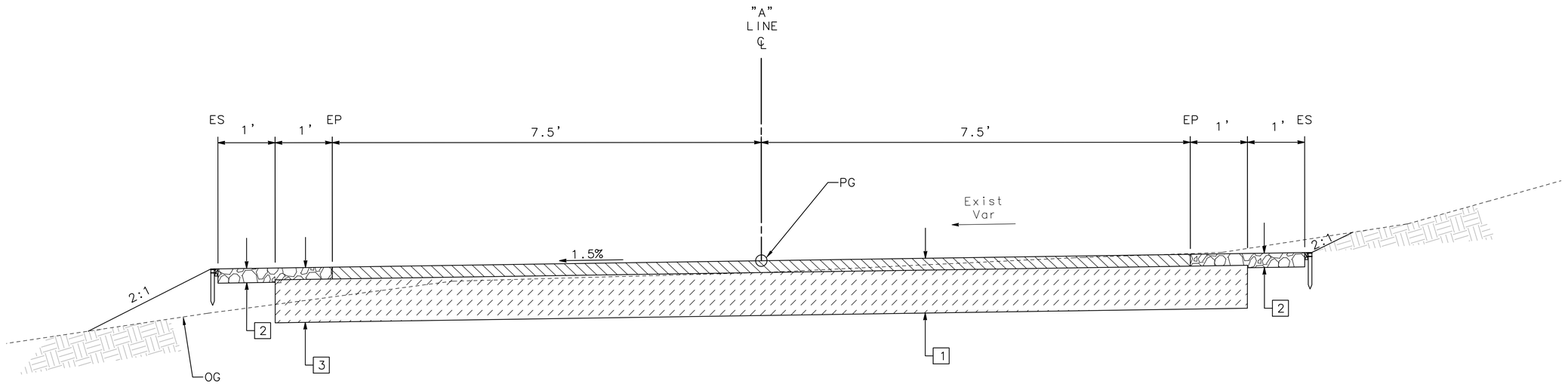
- ASPHALT CONCRETE (AC)
- CRUSHER FINES
- FULL DEPTH RECLAMATION (FDR)



"A" LINE
Sta 1+00 TO Sta 50+65

"B" LINE
Sta 59+43 TO Sta 74+35

"C" LINE
Sta 1+00 TO Sta 6+42



"A" LINE
Sta 52+02 TO Sta 60+66

CESAR CHAVEZ PARK PERIMETER PATHWAY IMPROVEMENT PROJECT

TYPICAL SECTIONS

SHEET No. X-1
TOTAL SHEETS: 21
FILE No.: SCC 22-155
SCALE: 1" = 1'
DATE: 03-14-2025

CITY OF BERKELEY
PARKS, RECREATION & WATERFRONT DEPARTMENT

DESIGNED BY: HG
DRAWN BY: EH
APPROVED BY: NELSON LAM
SUPERVISING CIVIL ENGINEER
CHECKED BY: JLS
APPROVAL REC'M'D:

PROJ. NO.: PRWWF23004

REV.	DATE	DESCRIPTION	BY

REGISTERED PROFESSIONAL ENGINEER
JOE STREEPER
NO 64445
CIVIL
STATE OF CALIFORNIA

03-14-2025
DATE

JOE STREEPER, PE

MARK THOMAS

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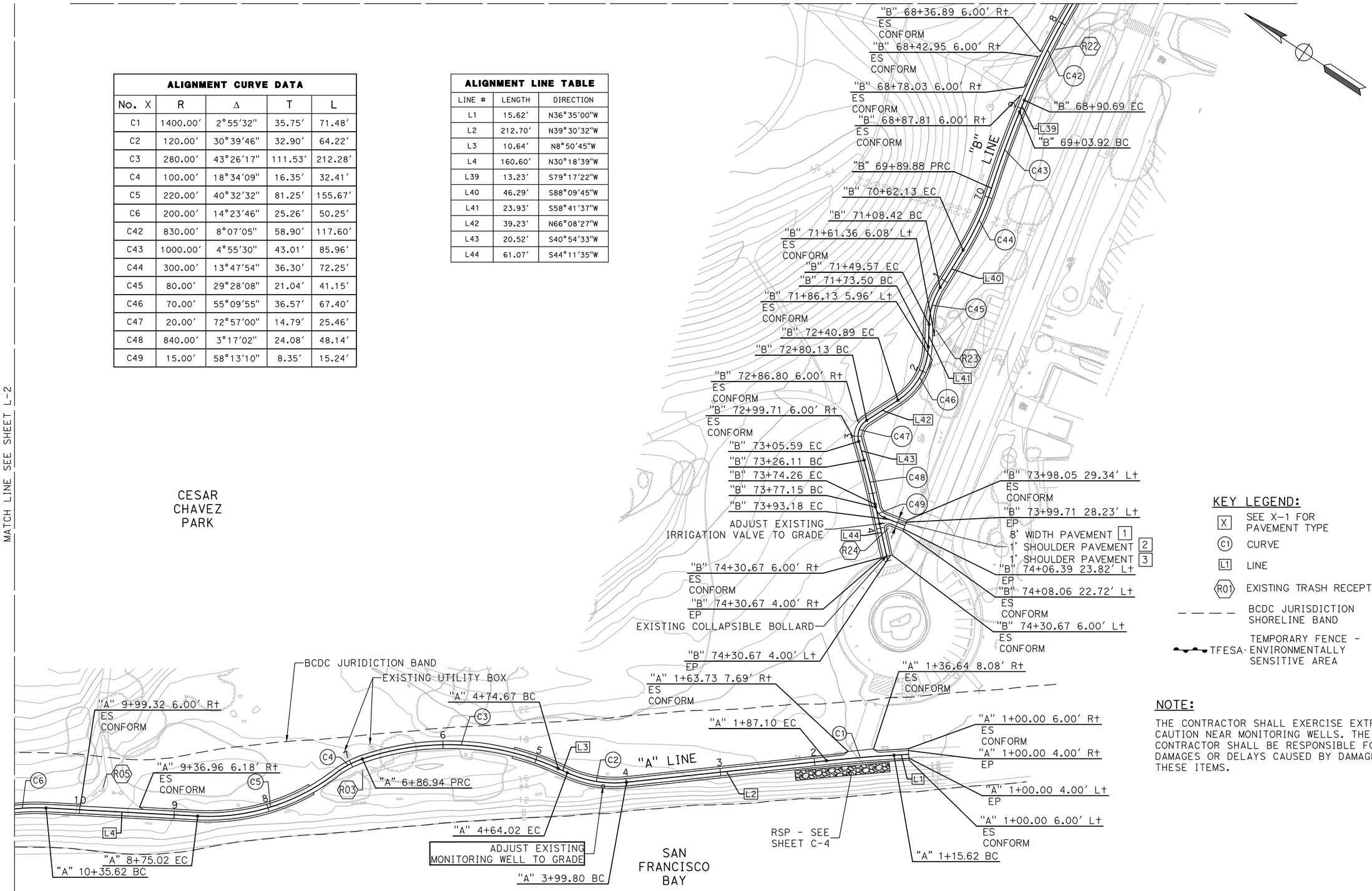
MATCH LINE SEE SHEET L-4

MATCH LINE SEE SHEET L-2

ALIGNMENT CURVE DATA				
No. X	R	Δ	T	L
C1	1400.00′	2°55′32"	35.75′	71.48′
C2	120.00′	30°39′46"	32.90′	64.22′
C3	280.00′	43°26′17"	111.53′	212.28′
C4	100.00′	18°34′09"	16.35′	32.41′
C5	220.00′	40°32′32"	81.25′	155.67′
C6	200.00′	14°23′46"	25.26′	50.25′
C42	830.00′	8°07′05"	58.90′	117.60′
C43	1000.00′	4°55′30"	43.01′	85.96′
C44	300.00′	13°47′54"	36.30′	72.25′
C45	80.00′	29°28′08"	21.04′	41.15′
C46	70.00′	55°09′55"	36.57′	67.40′
C47	20.00′	72°57′00"	14.79′	25.46′
C48	840.00′	3°17′02"	24.08′	48.14′
C49	15.00′	58°13′10"	8.35′	15.24′

ALIGNMENT LINE TABLE		
LINE #	LENGTH	DIRECTION
L1	15.62′	N36°35′00"W
L2	212.70′	N39°30′32"W
L3	10.64′	N8°50′45"W
L4	160.60′	N30°18′39"W
L39	13.23′	S79°17′22"W
L40	46.29′	S88°09′45"W
L41	23.93′	S58°41′37"W
L42	39.23′	N66°08′27"W
L43	20.52′	S40°54′33"W
L44	61.07′	S44°11′35"W



KEY LEGEND:

- [X] SEE X-1 FOR PAVEMENT TYPE
- (C1) CURVE
- [L1] LINE
- (R01) EXISTING TRASH RECEPTACLE
- BCDC JURISDICTION SHORELINE BAND
- TFESA - TEMPORARY FENCE - ENVIRONMENTALLY SENSITIVE AREA

NOTE:

THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION NEAR MONITORING WELLS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES OR DELAYS CAUSED BY DAMAGE TO THESE ITEMS.

ALL ITEMS ON THIS SHEET ARE BASE BID ITEMS, UNLESS OTHERWISE NOTED.

CESAR CHAVEZ PARK PERIMETER PATHWAY IMPROVEMENT PROJECT

LAYOUT

CITY OF BERKELEY
PARKS, RECREATION & WATERFRONT DEPARTMENT

DESIGNED BY: HG
DRAWN BY: EM
APPROVED BY: NELSON LAM
SUPERVISING CIVIL ENGINEER

CHECKED BY: JLB
APPROVAL REC'M'D:

SCALE: 1" = 50'
TOTAL SHEETS: 21
FILE No.: SCC_22-155
PROJ. NO.: PRWF23004
DATE: 03-14-2025

SHEET No. L-1

BY	DESCRIPTION	DATE	REV.

REGISTERED PROFESSIONAL ENGINEER
JOE STREEPER
NO 64445
CIVIL
STATE OF CALIFORNIA

03-14-2025
DATE

JOE STREEPER, PE

MARK THOMAS

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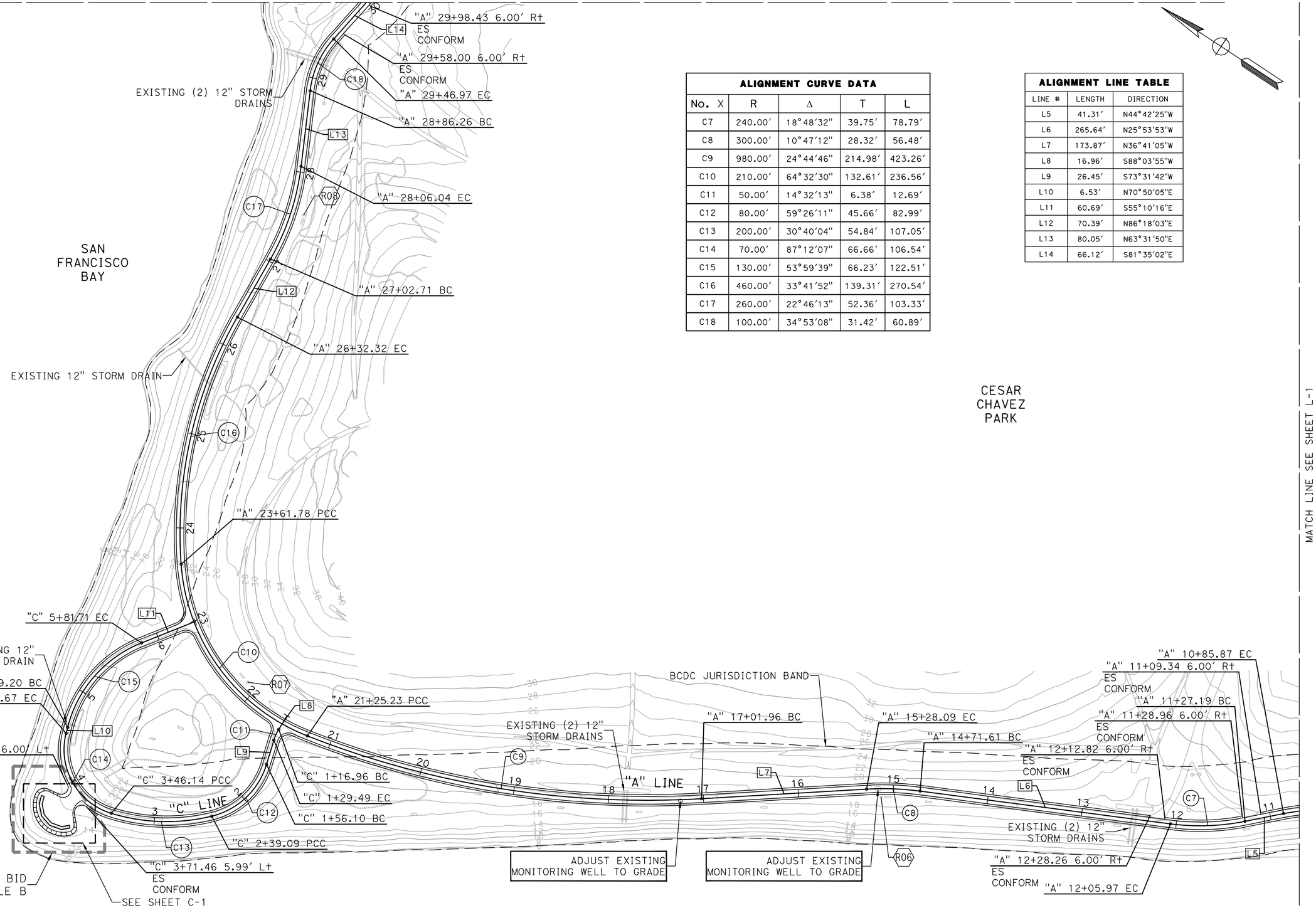
MATCH LINE SEE SHEET L-3



ALIGNMENT CURVE DATA

No. X	R	Δ	T	L
C7	240.00′	18°48′32"	39.75′	78.79′
C8	300.00′	10°47′12"	28.32′	56.48′
C9	980.00′	24°44′46"	214.98′	423.26′
C10	210.00′	64°32′30"	132.61′	236.56′
C11	50.00′	14°32′13"	6.38′	12.69′
C12	80.00′	59°26′11"	45.66′	82.99′
C13	200.00′	30°40′04"	54.84′	107.05′
C14	70.00′	87°12′07"	66.66′	106.54′
C15	130.00′	53°59′39"	66.23′	122.51′
C16	460.00′	33°41′52"	139.31′	270.54′
C17	260.00′	22°46′13"	52.36′	103.33′
C18	100.00′	34°53′08"	31.42′	60.89′

ALIGNMENT LINE TABLE

LINE #	LENGTH	DIRECTION
L5	41.31′	N44°42′25"W
L6	265.64′	N25°53′53"W
L7	173.87′	N36°41′05"W
L8	16.96′	S88°03′55"W
L9	26.45′	S73°31′42"W
L10	6.53′	N70°50′05"E
L11	60.69′	S55°10′16"E
L12	70.39′	N86°18′03"E
L13	80.05′	N63°31′50"E
L14	66.12′	S81°35′02"E

ALL ITEMS ON THIS SHEET ARE BASE BID ITEMS, UNLESS OTHERWISE NOTED.

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CESAR CHAVEZ PARK PERIMETER PATHWAY IMPROVEMENT PROJECT

LAYOUT

SHEET No. L-2
TOTAL SHEETS 21
FILE No.: SCC 22-155
SCALE: 1" = 50'
DATE: 03-14-2025
PROJ. NO.: PRWW23004

CITY OF BERKELEY
PARKS, RECREATION & WATERFRONT DEPARTMENT

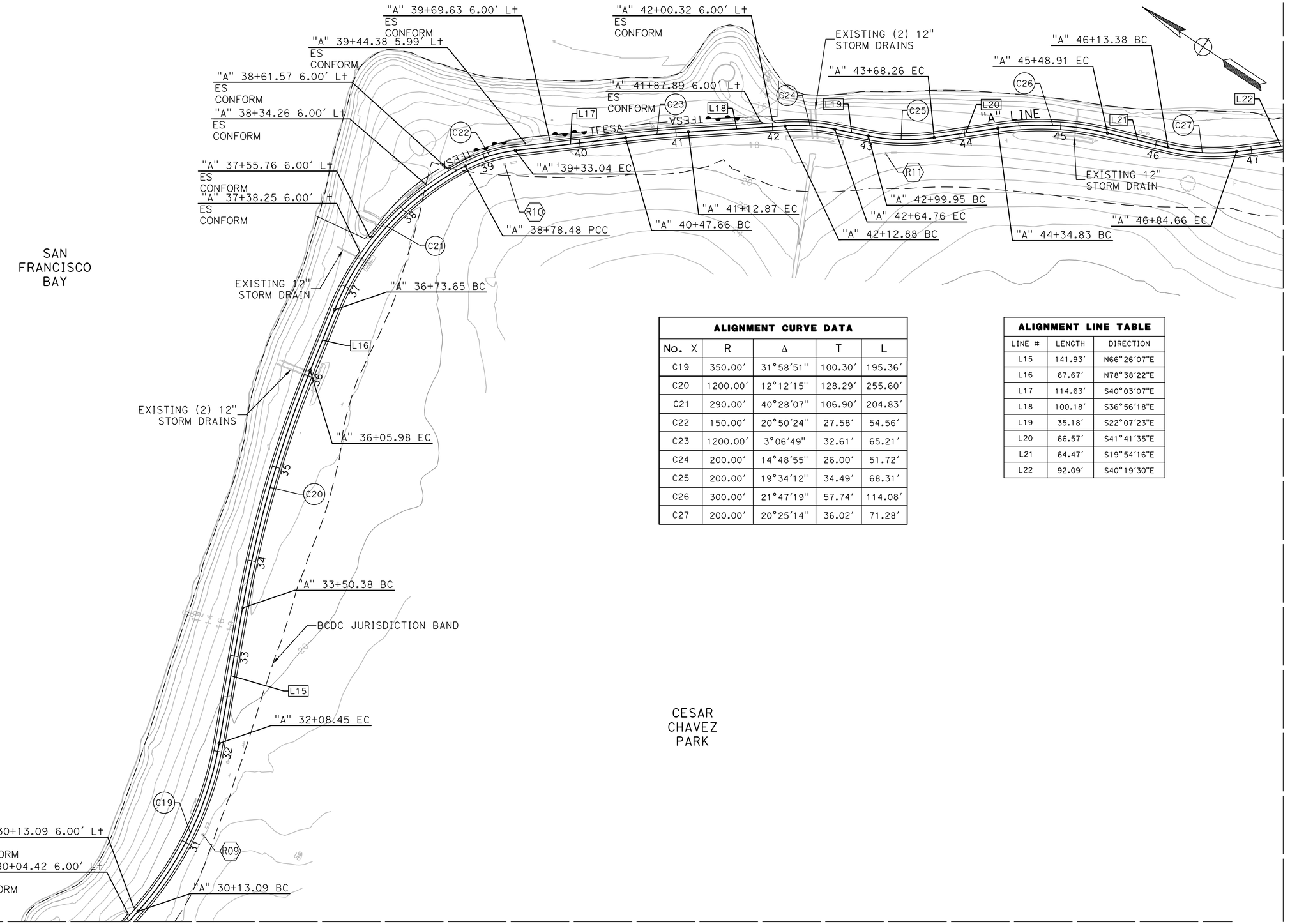
DESIGNED BY: HG
DRAWN BY: EM
APPROVED BY: NELSON LAM
SUPERVISING CIVIL ENGINEER
CHECKED BY: JLB
APPROVAL REC'M'D:

REV.	DATE	DESCRIPTION	BY

REGISTERED PROFESSIONAL ENGINEER
JOE STREEPER
NO 64445
CIVIL
STATE OF CALIFORNIA

Joe Streeper
03-14-2025
DATE
JOE STREEPER, PE

MARK THOMAS



ALIGNMENT CURVE DATA

No. X	R	Δ	T	L
C19	350.00′	31°58′51"	100.30′	195.36′
C20	1200.00′	12°12′15"	128.29′	255.60′
C21	290.00′	40°28′07"	106.90′	204.83′
C22	150.00′	20°50′24"	27.58′	54.56′
C23	1200.00′	3°06′49"	32.61′	65.21′
C24	200.00′	14°48′55"	26.00′	51.72′
C25	200.00′	19°34′12"	34.49′	68.31′
C26	300.00′	21°47′19"	57.74′	114.08′
C27	200.00′	20°25′14"	36.02′	71.28′

ALIGNMENT LINE TABLE

LINE #	LENGTH	DIRECTION
L15	141.93′	N66°26′07"E
L16	67.67′	N78°38′22"E
L17	114.63′	S40°03′07"E
L18	100.18′	S36°56′18"E
L19	35.18′	S22°07′23"E
L20	66.57′	S41°41′35"E
L21	64.47′	S19°54′16"E
L22	92.09′	S40°19′30"E

ALL ITEMS ON THIS SHEET ARE BASE BID ITEMS, UNLESS OTHERWISE NOTED.

CESAR CHAVEZ PARK PERIMETER PATHWAY IMPROVEMENT PROJECT

LAYOUT

SHEET No. L-3
TOTAL SHEETS 21
FILE No.: SCC 22-155
SCALE: 1" = 50'
DATE: 03-14-2025
PROJ. NO.: PRWW23004

CITY OF BERKELEY
PARKS, RECREATION & WATERFRONT DEPARTMENT

DESIGNED BY: HG
DRAWN BY: EM
APPROVED BY: NELSON LAM
SUPERVISING CIVIL ENGINEER
CHECKED BY: JLB
APPROVAL REC'M'D:

REV.	DATE	DESCRIPTION	BY

REGISTERED PROFESSIONAL ENGINEER
JOE STREEPER
NO 64445
CIVIL
STATE OF CALIFORNIA

03-14-2025
DATE

JOE STREEPER, PE

MARK THOMAS

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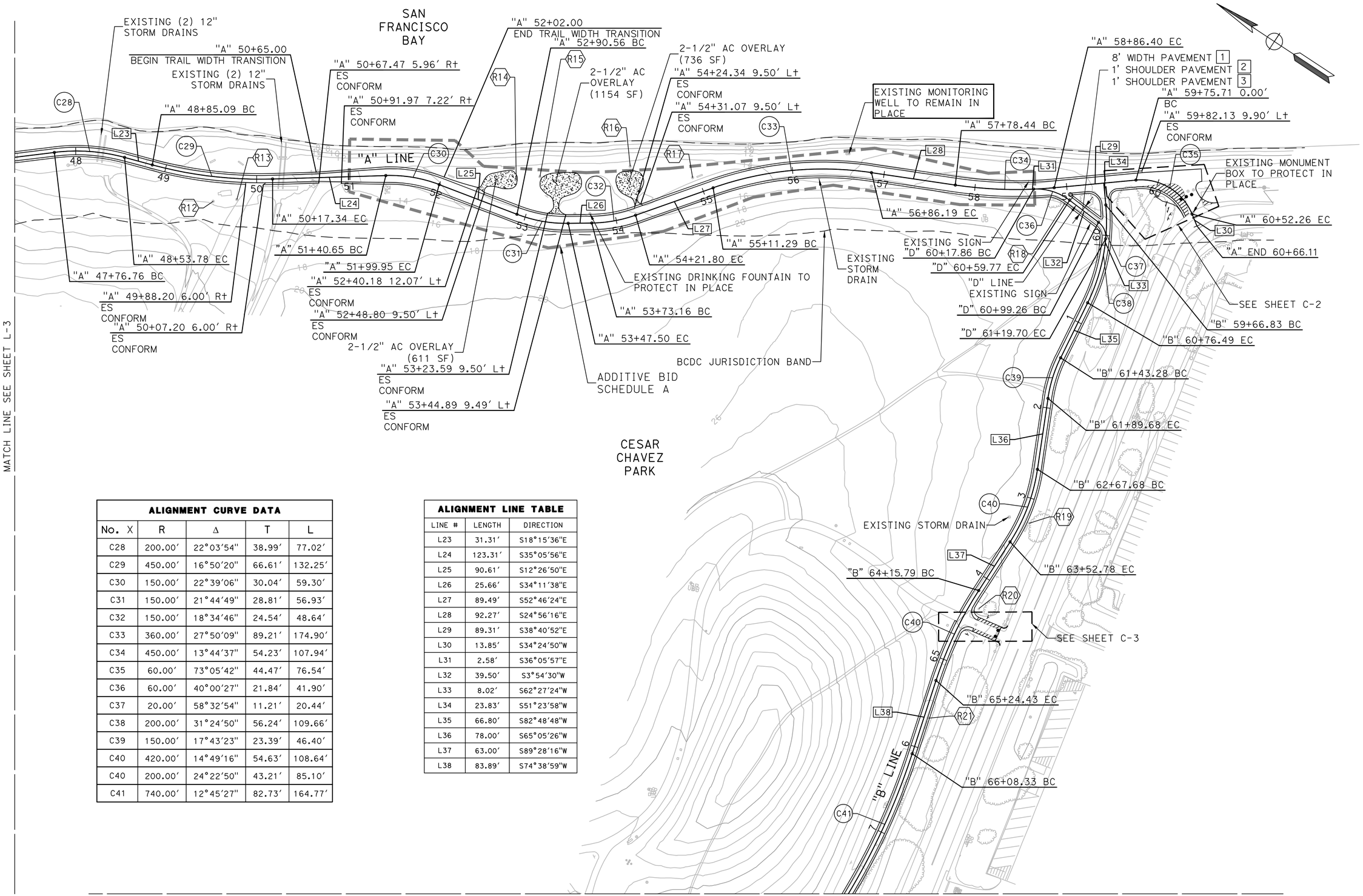

ALIGNMENT CURVE DATA

No. X	R	Δ	T	L
C28	200.00′	22°03′54"	38.99′	77.02′
C29	450.00′	16°50′20"	66.61′	132.25′
C30	150.00′	22°39′06"	30.04′	59.30′
C31	150.00′	21°44′49"	28.81′	56.93′
C32	150.00′	18°34′46"	24.54′	48.64′
C33	360.00′	27°50′09"	89.21′	174.90′
C34	450.00′	13°44′37"	54.23′	107.94′
C35	60.00′	73°05′42"	44.47′	76.54′
C36	60.00′	40°00′27"	21.84′	41.90′
C37	20.00′	58°32′54"	11.21′	20.44′
C38	200.00′	31°24′50"	56.24′	109.66′
C39	150.00′	17°43′23"	23.39′	46.40′
C40	420.00′	14°49′16"	54.63′	108.64′
C40	200.00′	24°22′50"	43.21′	85.10′
C41	740.00′	12°45′27"	82.73′	164.77′

ALIGNMENT LINE TABLE

LINE #	LENGTH	DIRECTION
L23	31.31′	S18°15′36"E
L24	123.31′	S35°05′56"E
L25	90.61′	S12°26′50"E
L26	25.66′	S34°11′38"E
L27	89.49′	S52°46′24"E
L28	92.27′	S24°56′16"E
L29	89.31′	S38°40′52"E
L30	13.85′	S34°24′50"W
L31	2.58′	S36°05′57"E
L32	39.50′	S3°54′30"W
L33	8.02′	S62°27′24"W
L34	23.83′	S51°23′58"W
L35	66.80′	S82°48′48"W
L36	78.00′	S65°05′26"W
L37	63.00′	S89°28′16"W
L38	83.89′	S74°38′59"W

ALL ITEMS ON THIS SHEET ARE BASE BID ITEMS, UNLESS OTHERWISE NOTED.

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CESAR CHAVEZ PARK PERIMETER PATHWAY IMPROVEMENT PROJECT

LAYOUT

SHEET No. L-4
TOTAL SHEETS 21
FILE No.: SCC 22-155
SCALE: 1" = 50'
DATE: 03-14-2025
PROJ. NO.: PRWW23004

CITY OF BERKELEY
PARKS, RECREATION & WATERFRONT DEPARTMENT
DESIGNED BY: HG
DRAWN BY: EM
CHECKED BY: JLB
APPROVED BY: NELSON LAM
SUPERVISING CIVIL ENGINEER
APPROVAL REC'M'D:

REV.	DATE	DESCRIPTION	BY

REGISTERED PROFESSIONAL ENGINEER JOE STREEPER NO 64445 CIVIL STATE OF CALIFORNIA

03-14-2025
DATE

Joe Streeper
JOE STREEPER, PE

MARK THOMAS

CESAR CHAVEZ PARK PERIMETER PATHWAY IMPROVEMENT PROJECT

PROFILE

SHEET No. P-1

TOTAL SHEETS 21
FILE No.: SCC_22-155

SCALE:

DATE: 03-14-2025

PROJ. NO.: PRWM23004

CITY OF BERKELEY
PARKS, RECREATION & WATERFRONT DEPARTMENT

DESIGNED BY: HG
DRAWN BY: EH
APPROVED BY: NELSON LAM
SUPERVISING CIVIL ENGINEER

CHECKED BY: JLS
APPROVAL REC'M'D:

REV.	DATE	DESCRIPTION	BY

REGISTERED PROFESSIONAL ENGINEER
JOE STREEPER
NO 64445
CIVIL
STATE OF CALIFORNIA

03-14-2025
DATE

JOE STREEPER, PE

MARK THOMAS

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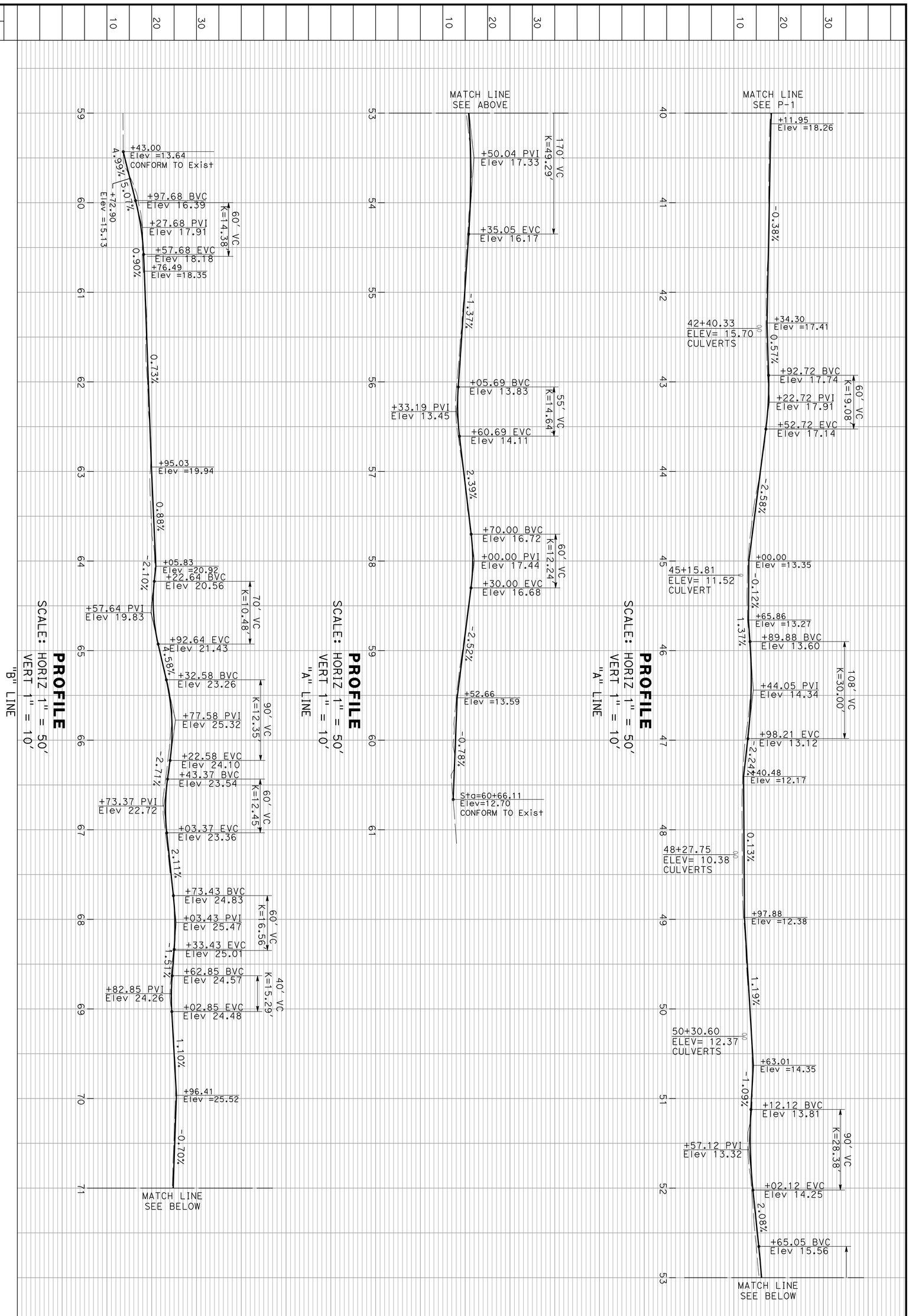

MARK THOMAS

JOE STREEPER, PE

03-14-2025
DATE

REGISTERED PROFESSIONAL ENGINEER
JOE STREEPER
NO 64445
CIVIL
STATE OF CALIFORNIA

REV.	DATE	DESCRIPTION	BY

CITY OF BERKELEY
PARKS, RECREATION & WATERFRONT DEPARTMENT

DESIGNED BY: HQ
CHECKED BY: JLS
DRAWN BY: EH
APPROVAL REC'M'D:
APPROVED BY: NELSON LAM
SUPERVISING CIVIL ENGINEER
PROJ. NO.: PRWWF23004
DATE: 03-14-2025
SCALE:

CESAR CHAVEZ PARK PERIMETER PATHWAY IMPROVEMENT PROJECT

PROFILE

TOTAL SHEETS: 21
FILE No.: SCC 22-155

SHEET No.
P-2

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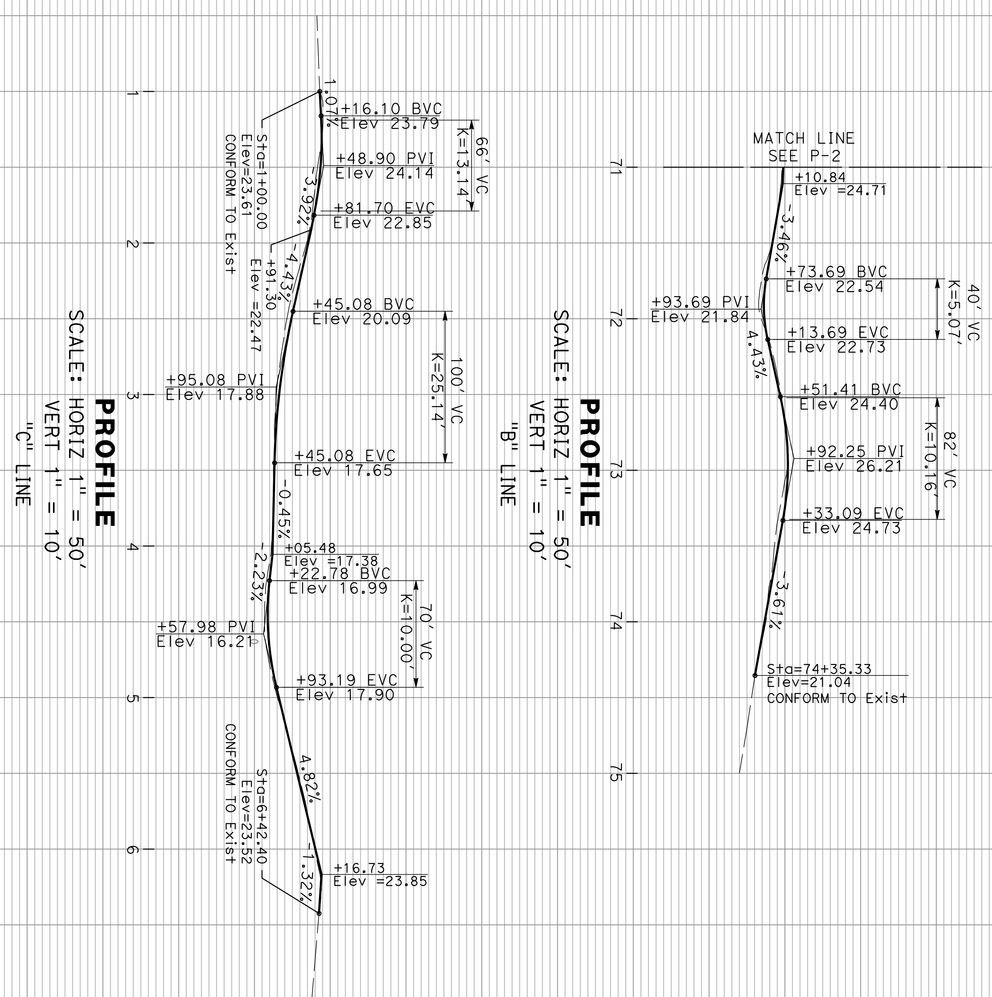

MARK THOMAS

Joe Streeper
JOE STREEPER, PE
03-14-2025
DATE

REGISTERED PROFESSIONAL ENGINEER
JOE STREEPER
NO 64445
CIVIL
STATE OF CALIFORNIA

REV.	DATE	DESCRIPTION	BY

CITY OF BERKELEY
PARKS, RECREATION & WATERFRONT DEPARTMENT

DESIGNED BY: HQ | CHECKED BY: JLS
DRAWN BY: EH | APPROVAL REC'M'D:
APPROVED BY: NELSON LAM
SUPERVISING CIVIL ENGINEER

PROJ. NO.: PRWWF23004 | DATE: 03-14-2025 | SCALE:

CESAR CHAVEZ PARK PERIMETER PATHWAY IMPROVEMENT PROJECT

PROFILE

TOTAL SHEETS: 21
FILE No.: SCC 22-155

SHEET No.
P-3

ABBREVIATIONS:
AB AGGREGATE BASE
AC ASPHALT CONCRETE

4+00.47 "C" 6.00' Lt
FG 16.92
EC

3+96.33 "C" 18.46' Lt
FG 15.92
BC

3+94.43 "C" 19.64' Lt
FG 16.37
BC

4+01.79 "C" 25.92' Lt
FG 16.19
EC

4+04.14 "C" 26.25' Lt
FG 15.10
EC

4+00.47 "C" 4.00' Lt
FG 17.13
EC

R= 10.0'

R= 7.0'

"C" LINE

4+04.66 "C" 40.52' Lt
FG 14.69
BC

R= 9.0'

-0.70%

4+02.56 "C" 39.50' Lt
FG 16.17
BC

R= 8.5'

3+78.70 "C" 4.00' Lt
FG 17.22
BC

3+71.53 "C" 6.00' Lt
FG 17.11
BC

4+00.68 "C" 33.34' Lt
FG 16.22

-4.32%

3+97.85 "C" 41.89' Lt
FG 16.18

3+96.97 "C" 46.11' Lt
FG 16.14

3+96.80 "C" 39.35' Lt
FG 16.21

3+96.00 "C" 50.54' Lt
FG 14.52

RELOCATE BENCH (TYP)

-1.11%

3+90.53 "C" 46.77' Lt
FG 16.15

3+90.19 "C" 43.78' Lt
FG 16.18

CONCRETE PADS - 4" PCC ON
2" CLASS 2 AGGREGATE BASE
PAVEMENT
2-1/2" AC
9" AB

2:1 OR FLATTER

3+83.16 "C" 43.56' Lt
FG 16.19

3+82.75 "C" 46.52' Lt
FG 16.16

R= 8.0'

3+76.41 "C" 19.09' Lt
FG 16.04
EC

3+75.74 "C" 22.04' Lt
FG 16.55
EC

R= 32.0'

-1.81%

R= 7.0'

3+69.25 "C" 27.34' Lt
FG 14.99
BC

R= 28.5'

3+70.73 "C" 28.76' Lt
FG 16.34
BC

3+87.50 "C" 50.19' Lt
FG 16.11

R= 9.0'

3+73.00 "C" 32.37' Lt
FG 16.34
EC

3+71.51 "C" 34.39' Lt
FG 16.28
EC

3+81.55 "C" 52.93' Lt
FG 14.46

3+70.64 "C" 38.25' Lt
FG 16.24
EC

EMBANKMENT (TYP)

3+68.51 "C" 40.66' Lt
FG 14.27
EC

3+76.62 "C" 38.78' Lt
FG 16.26

3+75.48 "C" 41.23' Lt
FG 16.24

ADDITIVE BID SCHEDULE B

20
18
16
14

NW CORNER SITTING AREA
SCALE: 1" = 5'

CESAR CHAVEZ PARK PERIMETER PATHWAY IMPROVEMENT PROJECT
CONSTRUCTION DETAILS

SHEET No. C-1
TOTAL SHEETS 16
FILE No.: SCC_22-155
SCALE: 1" = 5'
DATE: 03-14-2025
PROJ. NO.: PRWW23004

CITY OF BERKELEY
PARKS, RECREATION & WATERFRONT DEPARTMENT
DESIGNED BY: HG
DRAWN BY: MC
APPROVED BY: NELSON LAM
SUPERVISING CIVIL ENGINEER
CHECKED BY: JLB
APPROVAL REC'M'D:

REV.	DATE	DESCRIPTION	BY

REGISTERED PROFESSIONAL ENGINEER
JOE STREEPER
NO 64445
CIVIL
STATE OF CALIFORNIA

03-14-2025
DATE

JOE STREEPER, PE

MARK THOMAS

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LEGEND:

NEW PAVING AREAS

— — —c— CUT LINE

59+82.13 "A" 9.90' Lt
CONFORM TO Exist

59+82.32 "A" 7.91' Lt
FG 12.76
AP

PAVEMENT SECTION 2 3

REMOVE EXISTING
COLLAPSIBLE BOLLARDS

REMOVE EXISTING
WOOD BOLLARD

EXISTING EDGE OF
PAVEMENT

60+25.60 "A" 37.35' Lt
FG 12.15
CONFORM TO Exist

R= 60.0'

RELOCATE EXISTING
BIKE RACK

EXISTING EDGE OF
PAVEMENT

PAVEMENT SECTION 1

FROM

TO

60

60+32.20 "A" 28.18' Lt
FG 12.26
CONFORM TO Exist

EXISTING TRAFFIC SIGN
(TYP)

R= 7.0'

59+54.52 "A" 7.50' Rt
OG 13.33
CONFORM TO Exist
59+54.52 "A" 9.50' Rt
FG 13.52

59+75.71 "A" 7.50' Rt
OG 13.00
CONFORM TO Exist
59+75.52 "A" 9.41' Rt
FG 13.39

"A" LINE

60+35.28 "A" 17.23' Lt
FG 12.15

60+37.39 "A" 16.79' Lt
FG 12.12

R= 20.0'

PAVEMENT
2-1/2" AC
9" AB

PAVEMENT SECTION 2 3

RELOCATE EXISTING
WOODEN SIGN

59+46.52 "A" 17.49' Rt
FG 14.09

59+44.52 "A" 17.49' Rt
FG 14.12

60+22.81 "A" 9.50' Rt
FG 13.11

RELOCATE EXISTING
WOODEN SIGN

RELOCATE EXISTING
TRAFFIC SIGN

60+52.39 "A" 9.50' Rt
END REMOVE CURB

60+51.90 "A" 7.50' Rt
OG 12.86
CONFORM TO Exist

60+51.04 "A" 3.32' Rt
Beg REMOVE CURB

60+51.28 "A" 29.62' Lt
OG 11.58
CONFORM TO Exist

REMOVABLE BOLLARDS -
SEE SHEET C-4 (TYP)

EXISTING MONUMENT BOX
TO PROTECT IN PLACE

SE CORNER
TRUCK ENTRANCE
(BASE BID)

SCALE: 1" = 5'

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CESAR CHAVEZ PARK PERIMETER
PATHWAY IMPROVEMENT PROJECT
CONSTRUCTION DETAILS

SHEET No. C-2
TOTAL SHEETS 16
FILE No.: SCC 22-155
SCALE: 1" = 5'
DATE: 03-14-2025
PROJ. NO.: PRWW23004

CITY OF BERKELEY
PARKS, RECREATION & WATERFRONT DEPARTMENT
DESIGNED BY: HG
DRAWN BY: MC
APPROVED BY: NELSON LAM
SUPERVISING CIVIL ENGINEER
CHECKED BY: JLB
APPROVAL REC'M'D:

REV.	DATE	DESCRIPTION	BY

REGISTERED PROFESSIONAL ENGINEER
JOE STREEPER
NO 64445
CIVIL
STATE OF CALIFORNIA

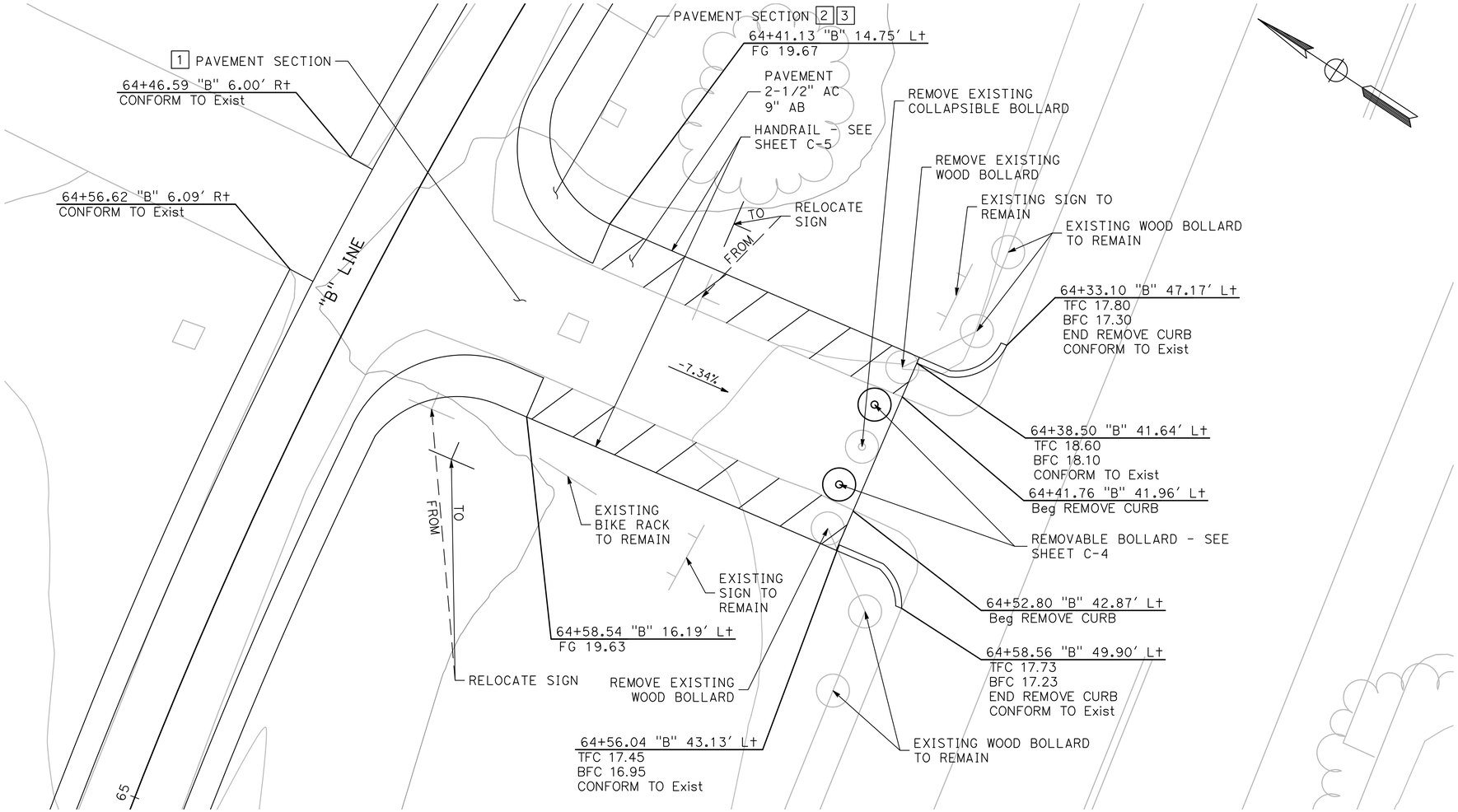
03-14-2025
DATE

JOE STREEPER, PE

MARK THOMAS

LEGEND:

NEW PAVING AREAS



"B" 64+50
SERVICE VEHICLE RAMP ENTRANCE
(BASE BID)

SCALE: 1" = 5'

CESAR CHAVEZ PARK PERIMETER PATHWAY IMPROVEMENT PROJECT

CONSTRUCTION DETAILS

SHEET No. C-3

TOTAL SHEETS: 16

FILE No.: SCC_22-155

SCALE: 1" = 5'

DATE: 03-14-2025

PROJ. NO.: PRWW23004

CITY OF BERKELEY
PARKS, RECREATION & WATERFRONT DEPARTMENT

DESIGNED BY: **HG**
DRAWN BY: **MC**
APPROVED BY: **NELSON LAM**
SUPERVISING CIVIL ENGINEER

CHECKED BY: **JLS**
APPROVAL REC'M'D:

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JOE STREEPER
NO 64445
CIVIL
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03-14-2025
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Joe Streeper
JOE STREEPER, PE

MARK THOMAS

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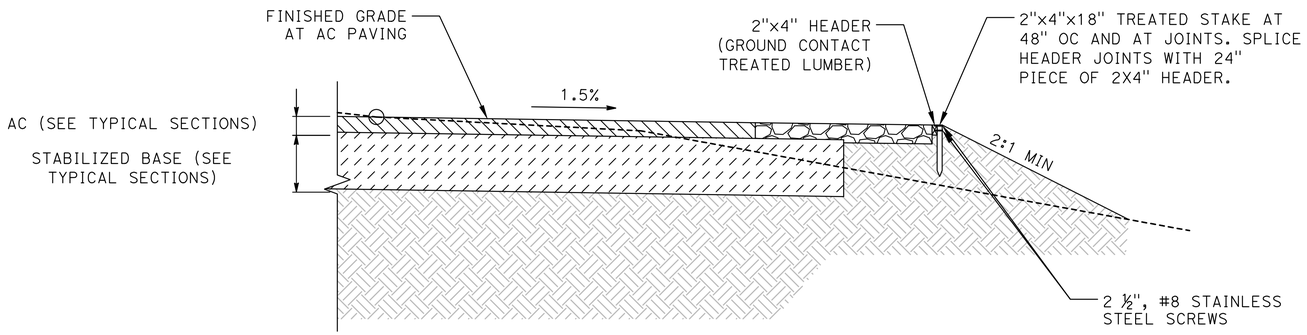
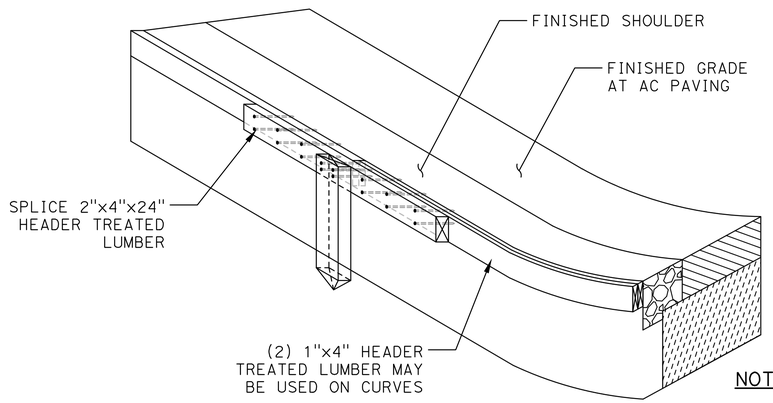


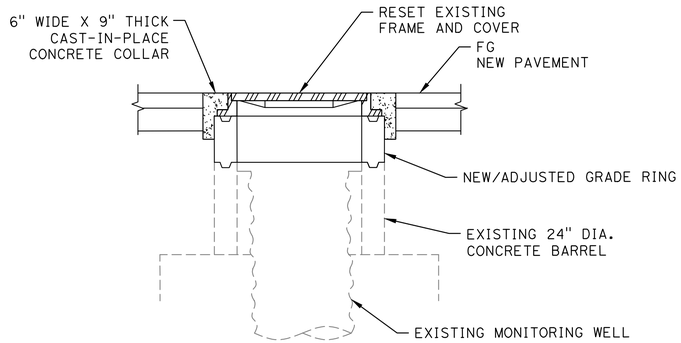
HEADER AT AC PAVING

NO SCALE



SPLICE DETAIL ON CURBS

NO SCALE

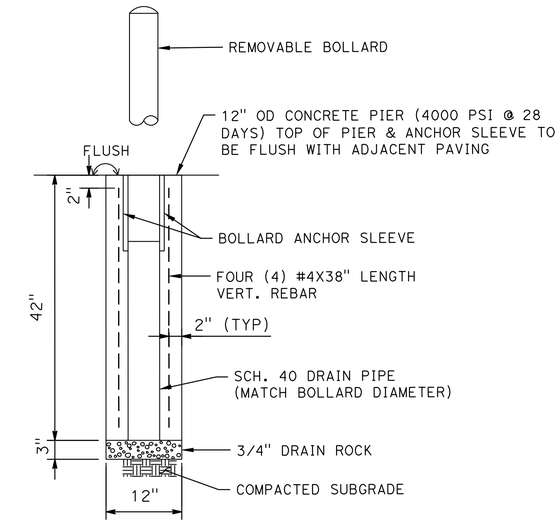


ADJUST MONITORING WELL

NO SCALE

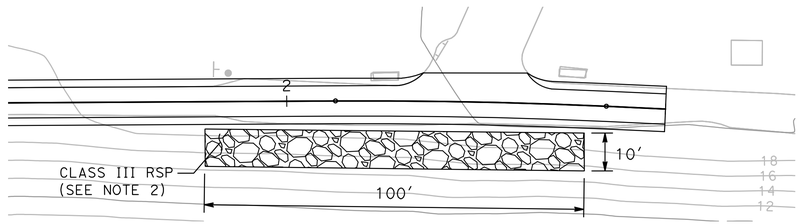
NOTES:

1. HEADER BOARD TO BE PLACED AT THE EDGE OF ALL AC SURFACING NOT ABUTTING CONCRETE.
2. FOR ROCK SLOPE PROTECTION, DIG OUT THE BARE EARTH AREAS TO PREPARE SUBGRADE. FILL IN WITH RSP AS NEEDED. THE LIMITS OF RSP WILL BE DETERMINED IN THE FIELD.



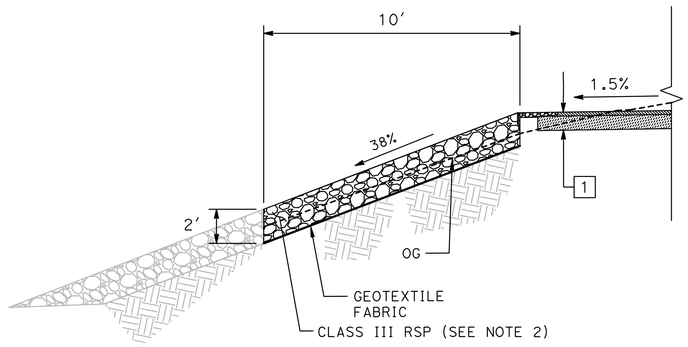
REMOVABLE BOLLARD

NO SCALE



ROCK SLOPE PROTECTION PLAN

SCALE: 1" = 20'



ROCK SLOPE PROTECTION

NO SCALE

CESAR CHAVEZ PARK PERIMETER PATHWAY IMPROVEMENT PROJECT
CONSTRUCTION DETAILS

SHEET No. C-4
TOTAL SHEETS 16
FILE No.: SCC_22-155
SCALE: AS SHOWN
DATE: 03-14-2025
PROJ. NO.: PRWW23004

CITY OF BERKELEY
PARKS, RECREATION & WATERFRONT DEPARTMENT

DESIGNED BY: HG
DRAWN BY: MC
APPROVED BY: NELSON LAM
SUPERVISING CIVIL ENGINEER
CHECKED BY: JLS
APPROVAL REC'M'D:

REV.	DATE	DESCRIPTION	BY

REGISTERED PROFESSIONAL ENGINEER
JOE STREEPER
NO 64445
CIVIL
STATE OF CALIFORNIA

03-14-2025
DATE

Joe Streeper
JOE STREEPER, PE

MARK THOMAS

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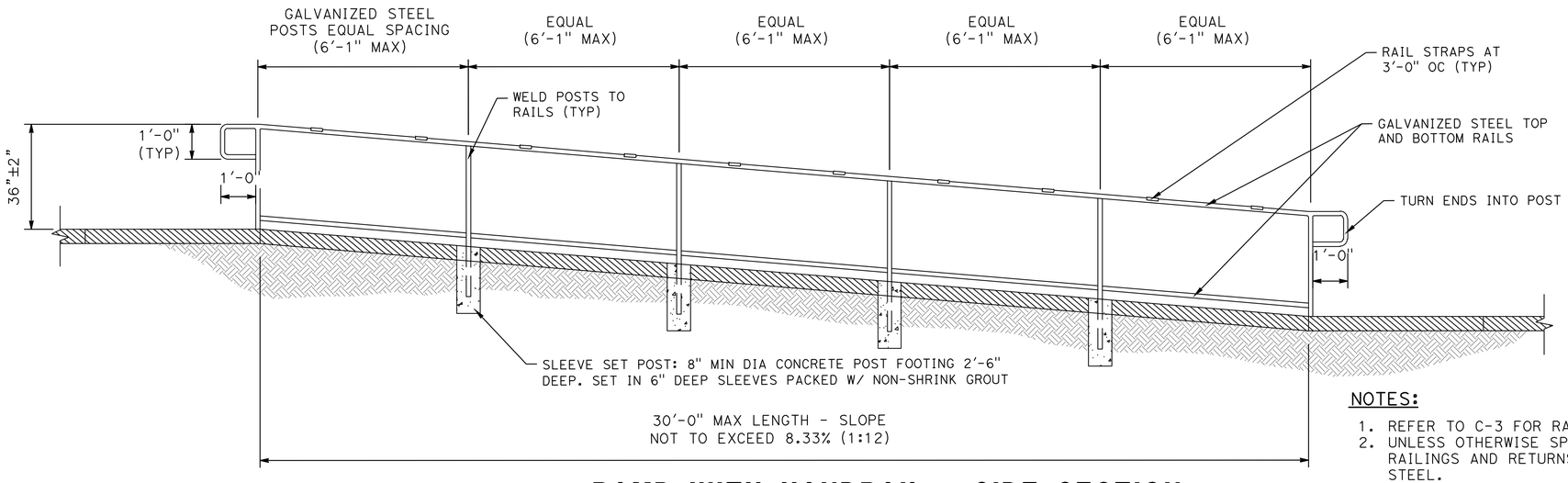
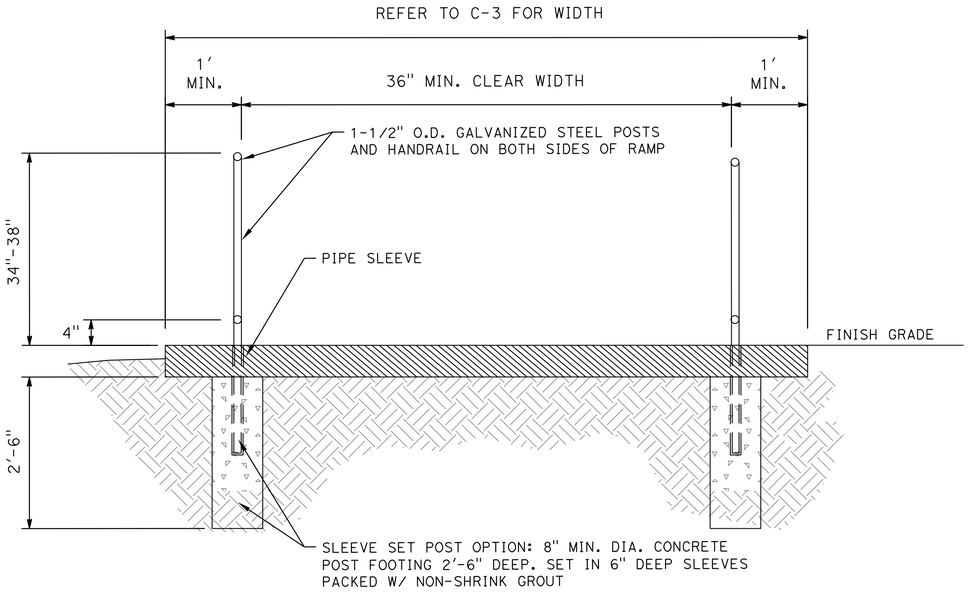


RAMP WITH HANDRAIL - SIDE SECTION

NO SCALE

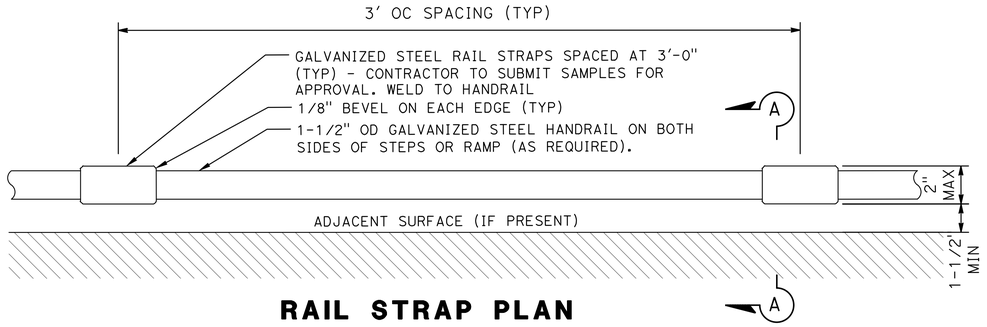
NOTES:

1. REFER TO C-3 FOR RAMP DIMENSIONS AND SLOPES.
2. UNLESS OTHERWISE SPECIFIED, ALL RAMP POSTS, HANDRAILS, RAILINGS AND RETURNS SHALL BE SCHEDULE 40 GALVANIZED STEEL.
3. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS BEFORE MANUFACTURING AND/OR INSTALLING HANDRAIL AND HANDRAIL STRAPS.
4. PROVIDE CONTINUOUS WELDS ALONG ALL EDGES OF HANDRAIL STRAP MEMBERS. GRIND SMOOTH ALL WELDS.
5. ALL STEEL POSTS AND HANDRAILS SHALL BE FLUSH AND FREE OF ALL DENTS, SPURS, AND SHARP EDGES AND SHALL BE INSTALLED LEVEL, PLUMB, AND SQUARE.



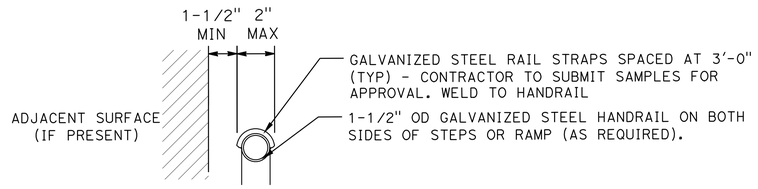
RAMP WITH HANDRAIL - END SECTION

NO SCALE



RAIL STRAP PLAN

NO SCALE



RAIL STRAP CROSS SECTION A-A

NO SCALE

CESAR CHAVEZ PARK PERIMETER PATHWAY IMPROVEMENT PROJECT

CONSTRUCTION DETAILS

SHEET No. C-5

TOTAL SHEETS: 16

FILE No.: SCC_22-155

SCALE: AS SHOWN

DATE: 03-14-2025

PROJ. NO.: PRWW23004

CITY OF BERKELEY
PARKS, RECREATION & WATERFRONT DEPARTMENT

DESIGNED BY: HG
DRAWN BY: MC
APPROVED BY: NELSON LAM
SUPERVISING CIVIL ENGINEER
CHECKED BY: JLB
APPROVAL REC'M'D:

REV.	DATE	DESCRIPTION	BY

REGISTERED PROFESSIONAL ENGINEER
JOE STREEPER
NO 64445
CIVIL
STATE OF CALIFORNIA

03-14-2025
DATE

JOE STREEPER, PE

MARK THOMAS

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NOTES:

1. SEE MANUFACTURERS SPECS FOR MORE INFORMATION
2. TRASH RECEPTACLES THAT ARE INSTALLED ONTO EXISTING ASPHALT ARE NOT REQUIRED TO HAVE A CONCRETE PAD

TYPICAL PLAN VIEW
ANCHOR LAYOUT
FOR CONCRETE PAD

TYPICAL ELEVATION

KEY:

1. BIGBELLY ELEMENT TRASH RECEPTACLE CONTACT NUMBER 617.340.6392
2. STAINLESS STEEL BOLT WITH WASHER ATTACHED TO BASE PLATE
3. BASE PLATE
4. STAINLESS STEEL CONCRETE BOLT WITH WASHER, EMBEDDED 3" INTO CONCRETE
5. TRASH IMAGE LOCATION
6. CONCRETE PAD
7. AGGREGATE BASE
8. NATIVE SOIL
9. AC SEE PLAN
10. HEADER TYPICAL

TRASH RECEPTACLE 1" = 1'-0"

CITY OF BERKELEY
PARKS, RECREATION & WATERFRONT DEPARTMENT

DESIGNED BY: HG | CHECKED BY: JLS
DRAWN BY: EH | APPROVAL REC'M'D:
APPROVED BY: NELSON LAM
SUPERVISING CIVIL ENGINEER

PROJ. NO.: PRWM23004 | DATE: 03-14-2025 | SCALE: AS SHOWN

CESAR CHAVEZ PARK PERIMETER PATHWAY IMPROVEMENT PROJECT

CONSTRUCTION DETAILS

TOTAL SHEETS: 21
FILE No.: SCC_22-155
SHEET No. C-6

REV.	DATE	DESCRIPTION	BY

REGISTERED PROFESSIONAL ENGINEER
JOE STREEPER
NO 64445
CIVIL
STATE OF CALIFORNIA

03-14-2025
DATE

JOE STREEPER, PE

MARK THOMAS

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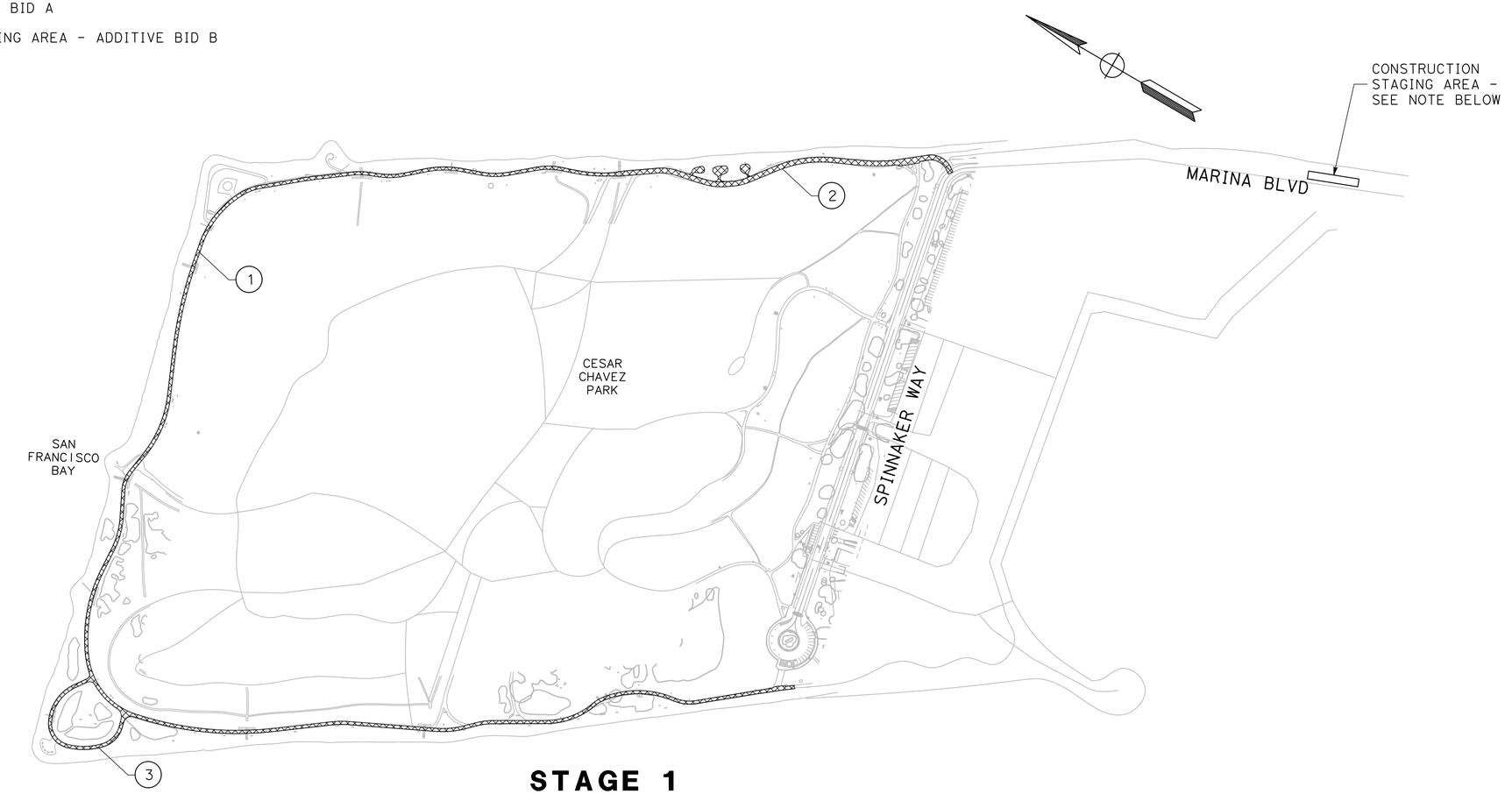
LEGEND:

CONSTRUCT THIS STAGE

CONSTRUCT THIS STAGE:

1. CONSTRUCT TRAIL - BASE BID
2. CONSTRUCT TRAIL- ADDITIVE BID A
3. CONSTRUCT NORTHWEST VIEWING AREA - ADDITIVE BID B



STAGE 1

CONSTRUCTION STAGING AREA:
CONTRACTOR SHALL INSTALL A STAGING AREA OF APPROXIMATE DIMENSIONS 60′ X 200′. AREA SHALL BE SURROUNDED BY TEMPORARY K-RAIL AND AN EXTERIOR 6′ TEMPORARY CHAIN LINK FENCE WITH SCREENING FABRIC. AREA SHALL BE 5′ CLEAR FROM THE TRAFFIC STRIPE EDGE ON MARINA BOULEVARD.

CESAR CHAVEZ PARK PERIMETER PATHWAY IMPROVEMENT PROJECT

STAGE CONSTRUCTION

SHEET No. SC-1
TOTAL SHEETS 21
FILE No.: SCC_22-155
SCALE: 1" = 200'
DATE: 03-14-2025
PROJ. NO.: PRWW23004

CITY OF BERKELEY
PARKS, RECREATION & WATERFRONT DEPARTMENT
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NO 64445
CIVIL
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03-14-2025
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LEGEND:

CONSTRUCT THIS STAGE

CONSTRUCTED AT PREVIOUS STAGE

CONSTRUCT THIS STAGE:

(1) CONSTRUCT TRAIL - BASE BID

STAGE 2

CONSTRUCTION STAGING AREA:
CONTRACTOR SHALL INSTALL A STAGING AREA OF APPROXIMATE DIMENSIONS 60' X 200'. AREA SHALL BE SURROUNDED BY TEMPORARY K-RAIL AND AN EXTERIOR 6' TEMPORARY CHAIN LINK FENCE WITH SCREENING FABRIC. AREA SHALL BE 5' CLEAR FROM THE TRAFFIC STRIPE EDGE ON MARINA BOULEVARD.

CESAR CHAVEZ PARK PERIMETER PATHWAY IMPROVEMENT PROJECT

STAGE CONSTRUCTION

SHEET No. SC-2

TOTAL SHEETS 21

FILE No.: SCC 22-155

SCALE: 1" = 200'

DATE: 03-14-2025

CITY OF BERKELEY
PARKS, RECREATION & WATERFRONT DEPARTMENT

DESIGNED BY: HG
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APPROVED BY: NELSON LAM
SUPERVISING CIVIL ENGINEER

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JOE STREEPER, PE

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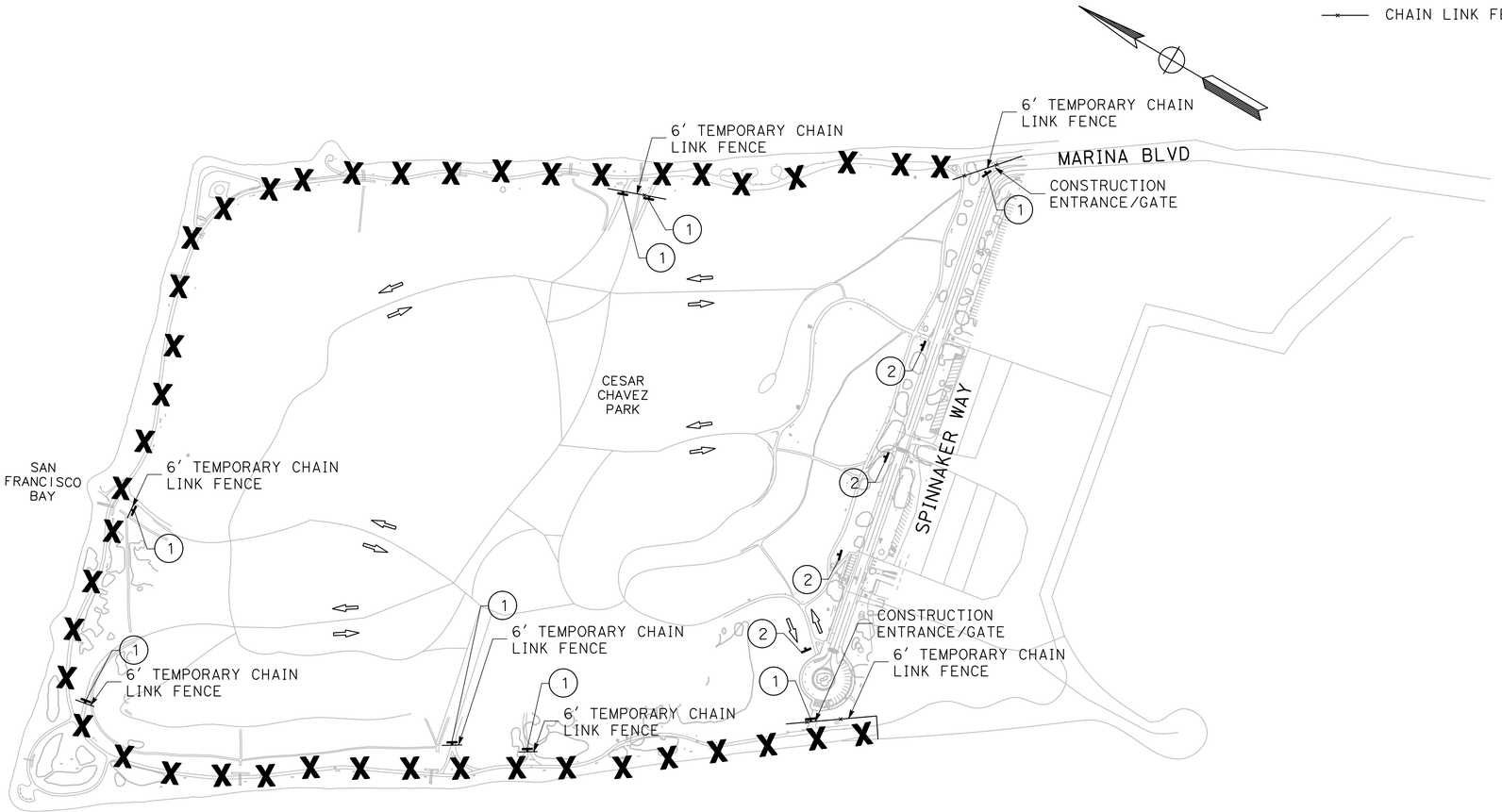
NOTE:

1. LOCATIONS OF DETOUR SIGNS SHOWN ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.

LEGEND:

- X — CLOSURE
- 1 — TEMPORARY SIGN (ONE POST)
- DETOUR ROUTE
- (X) — DETOUR AREA SIGN NUMBER
- CHAIN LINK FENCE



STAGE 1 DETOUR PLAN

SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
1	R5-1	24" X 24"	DO NOT ENTER	1 - 4" X 6"	8
2	M4-8	24" X 18"	DETOUR	1 - 4" X 6"	4
	M6-3	21" X 15"	UP ARROW		

CESAR CHAVEZ PARK PERIMETER PATHWAY IMPROVEMENT PROJECT

DETOUR PLANS

SHEET No. D-1
TOTAL SHEETS 21
FILE No.: SCC 22-155
SCALE: 1" = 200'
DATE: 03-14-2025

CITY OF BERKELEY
PARKS, RECREATION & WATERFRONT DEPARTMENT

DESIGNED BY: HG
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CHECKED BY: JLS
APPROVED BY: NELSON LAM
SUPERVISING CIVIL ENGINEER
APPROVAL REC'M'D:

PROJ. NO.: PRWWF23004

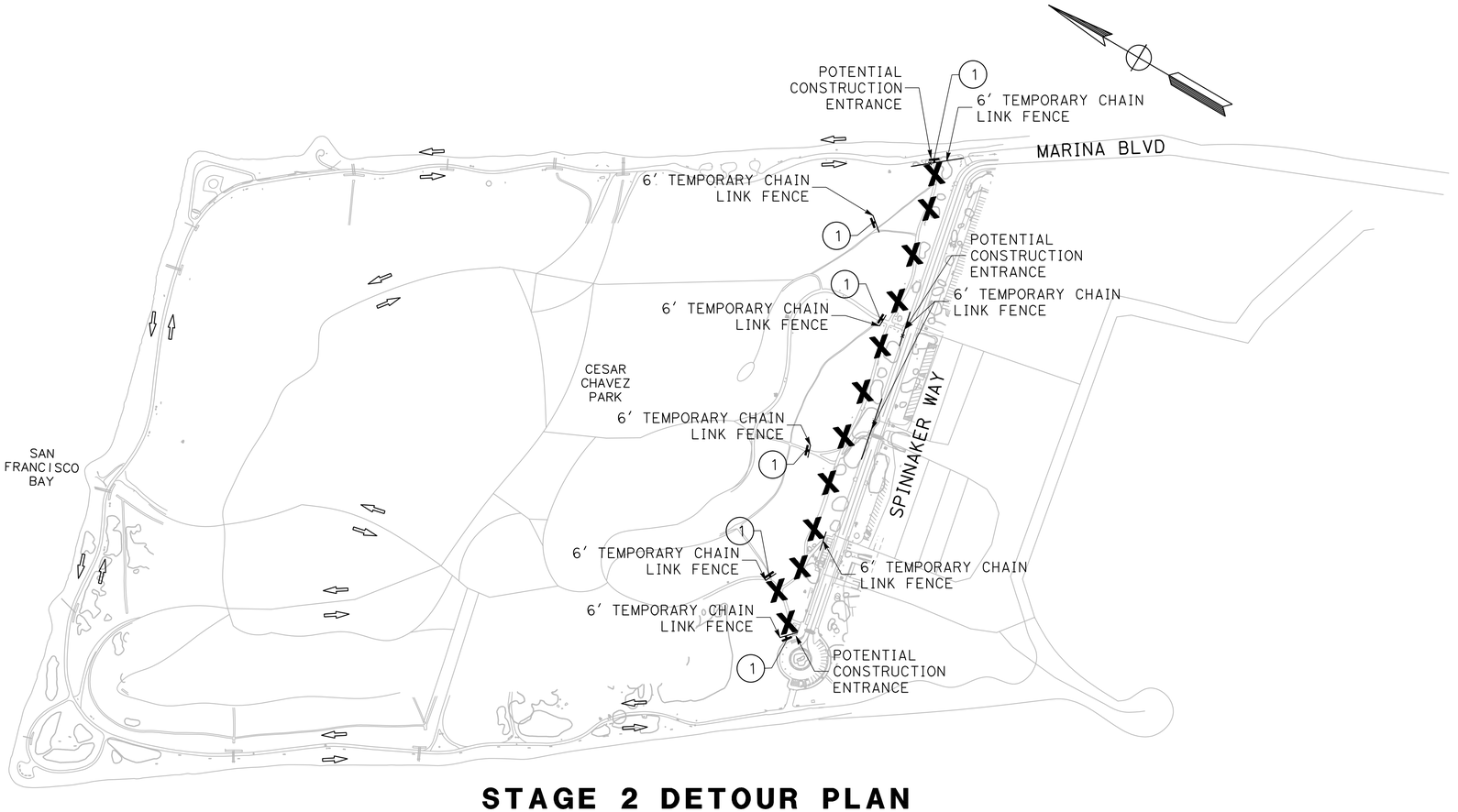
BY	DESCRIPTION	DATE	REV.

REGISTERED PROFESSIONAL ENGINEER
JOE STREEPER
NO 64445
CIVIL
STATE OF CALIFORNIA

03-14-2025
DATE

JOE STREEPER, PE

MARK THOMAS



STAGE 2 DETOUR PLAN

SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
1	R5-1	24" X 24"	DO NOT ENTER	1 - 4" X 6"	6

CESAR CHAVEZ PARK PERIMETER PATHWAY IMPROVEMENT PROJECT

DETOUR PLANS

CITY OF BERKELEY
PARKS, RECREATION & WATERFRONT DEPARTMENT

DESIGNED BY: HG
DRAWN BY: EH
APPROVED BY: NELSON LAM
SUPERVISING CIVIL ENGINEER

CHECKED BY: JLS
APPROVAL REC'M'D:

PROJ. NO.: PRWM23004

DATE: 03-14-2025

SCALE: 1" = 200'

TOTAL SHEETS: 21
FILE No.: SCC 22-155

SHEET No. D-2

REV.	DATE	DESCRIPTION	BY

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NO 64445
CIVIL
STATE OF CALIFORNIA

03-14-2025
DATE

JOE STREEPER, PE

MARK THOMAS

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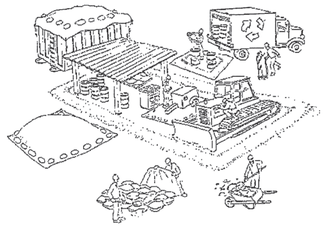
City of Berkeley's
Pollution Prevention - It's Part of the Plan



Make sure your crews and subs do the job right!

Runoff from streets and other paved areas is a major source of pollution and damage to creeks and the San Francisco Bay. Construction activities can directly affect the health of creeks and the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from storm drains and local creeks. Following these guidelines and the project specifications will ensure your compliance with City of Berkeley requirements.

Materials storage & spill cleanup

Non-hazardous materials management

- Sand, dirt, and similar materials must be stored at least 10 feet (3 meters) from catch basins. All construction material must be covered with a tarp and contained with a perimeter control during wet weather or when rain is forecasted or when not actively being used within 14 days.
- Use (but don't overuse) reclaimed water for dust control as needed.
- Sweep or vacuum streets and other paved areas daily. Do not wash down streets or work areas with water!
- Recycle all asphalt, concrete, and aggregate base material from demolition activities. Comply with City of Berkeley Ordinances for recycling construction materials, wood, gyp board, pipe, etc.
- Check dumpsters regularly for leaks and to make sure they are not overfilled. Repair or replace leaking dumpsters promptly.
- Cover all dumpsters with a tarp at the end of every work day or during wet weather.

Hazardous materials management

- Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state, and federal regulations.
- Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecasted.
- Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecasted within 24 hours.
- Be sure to arrange for appropriate disposal of all hazardous wastes.

Spill prevention and control

- Keep a stockpile of spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain. Never wash spilled material into a gutter, street, storm drain, or creek!
- Dispose of all containment and cleanup materials properly.
- Report any hazardous materials spills immediately! Dial 911 or the City of Berkeley's Public Works Department by dialing 311

Construction Entrances and Perimeter

- Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking.

Vehicle and equipment maintenance & cleaning

- Inspect vehicles and equipment for leaks frequently. Use drip pans to catch leaks until repairs are made; repair leaks promptly.
- Fuel and maintain vehicles on site only in a bermed area or over a drip pan that is big enough to prevent runoff.
- If you must clean vehicles or equipment on site, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or creeks.
- Do not clean vehicles or equipment on-site using soaps, solvents, degreasers, steam cleaning equipment, etc.

Earthwork & contaminated soils

- Keep excavated soil on the site where it will not collect in the street.
- Transfer to dump trucks should take place on the site, not in the street.
- Use fiber rolls, silt fences, or other control measures to minimize the flow of silt off the site.

- Earth moving activities are only allowed during dry weather by permit and as approved by the City Inspector in the Field.
- Mature vegetation is the best form of erosion control. Minimize disturbance to existing vegetation whenever possible.
- If you disturb a slope during construction, prevent erosion by securing the soil with erosion control fabric, or seed with fast-growing grasses as soon as possible. Place fiber rolls down-slope until soil is secure.
- If you suspect contamination (from site history, discoloration, odor, texture, abandoned underground tanks or pipes, or buried debris), call the Engineer for help in determining what should be done, and manage disposal of cntaminated soil according to their instructions.

Architectural Copper

If project contains architectural copper use best management practices as detailed in the handout Requirements for Architectural Copper available at the lobby of the Permit Service Center.

Dewatering operations

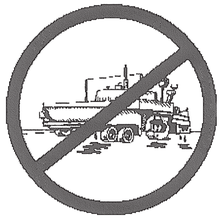
- Effectively manage all run-on, all runoff within the site, and all runoff that discharges from the site. Run-on from off site shall be directed away from all disturbed areas or shall collectively be in compliance.
- Reuse water for dust control, irrigation, or another on-site purpose to the greatest extent possible.

- Be sure to notify and obtain approval from the Engineer before discharging water to a street, gutter, or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the Engineer to determine what testing is required and how to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.

Saw cutting

- Always completely cover or barricade storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or sand/gravel bags to keep slurry out of the storm drain system.
- Shovel, absorb, or vacuum saw-cut slurry and pick up all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- If saw cut slurry enters a catch basin, clean it up immediately.

Paving/asphalt work



- Always cover storm drain inlets and manholes when paving or applying seal coat, tack coat, slurry seal, or fog seal.
- Protect gutters, ditches, and drainage courses with sand/gravel bags, or earthen berms.
- Do not sweep or wash down excess sand from sand sealing into gutters, storm drains, or creeks. Collect sand and return it to the stockpile, or dispose of it as trash.
- Do not use water to wash down fresh asphalt concrete pavement.

Concrete, grout, and mortar storage & waste disposal

- Store concrete, grout, and mortar under cover, on pallets, and away from drainage areas. These materials must never reach a storm drain.
- Wash out concrete equipment/trucks off-site or into contained washout areas that will not allow discharge of wash water onto the underlying soil or onto the surrounding areas.

- Collect the wash water from washing exposed aggregate concrete and remove it for appropriate disposal off site.

Painting

- Never rinse paint brushes or materials in a gutter or street!
- Paint out excess water-based paint before rinsing brushes, rollers, or containers in a sink.
- Paint out excess oil-based paint before cleaning brushes in thinner.
- Filter paint thinners and solvents for reuse whenever possible. Dispose of oil-based paint sludge and unusable thinner as hazardous waste.

Landscape Materials

- Contain, cover, and store on pallets all stockpiled landscape materials (mulch, compost, fertilizers, etc.) during wet weather or when rain is forecasted or when not actively being used within 14 days.
- Discontinue the application of any erodible landscape material within 2 days of forecasted rain and during wet weather.

Storm drain polluters may be liable for fines of $10,000 or more per day!

For references and more detailed information:
www.cleanwaterprogram.org
www.cabmphandbooks.com

REVISIONS

NO.	DESCRIPTION	BY	DATE	APPVD
1				
2				
3				
4				
5				

APPROVED

CITY OF BERKELEY ☆ PUBLIC WORKS AGENCY

POLLUTION PREVENTION

WORK ORDER NO.

SPECIFICATION NO.

SHEET NO.

OF

FILE NO.