

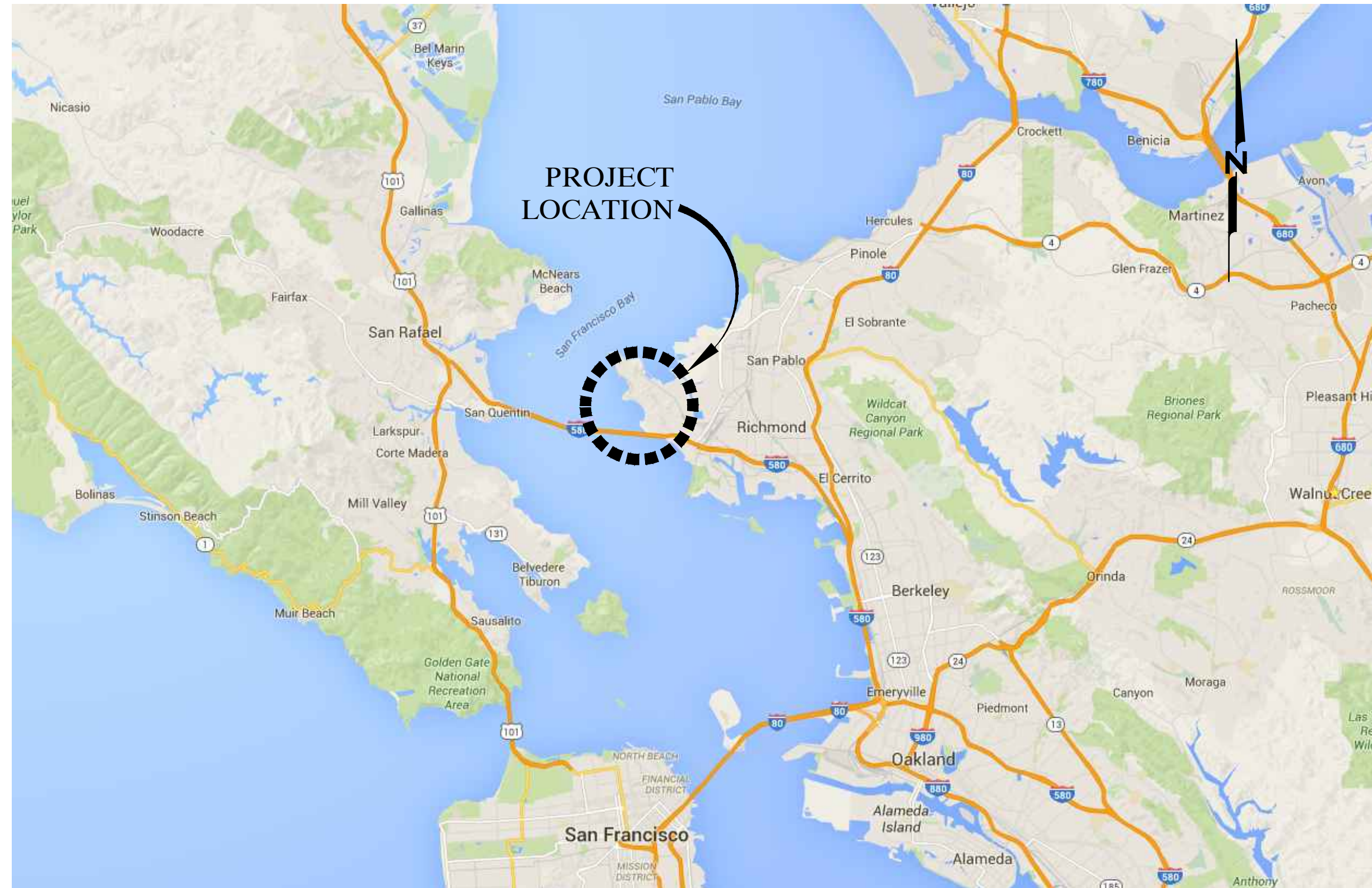
EAST BAY REGIONAL PARK DISTRICT SAN FRANCISCO BAY TRAIL AT POINT MOLATE RICHMOND, CALIFORNIA

NCE
501 Canal Blvd., Suite I
Richmond, Ca. 94804
(510) 215-3620 * Fax (510) 215-2898



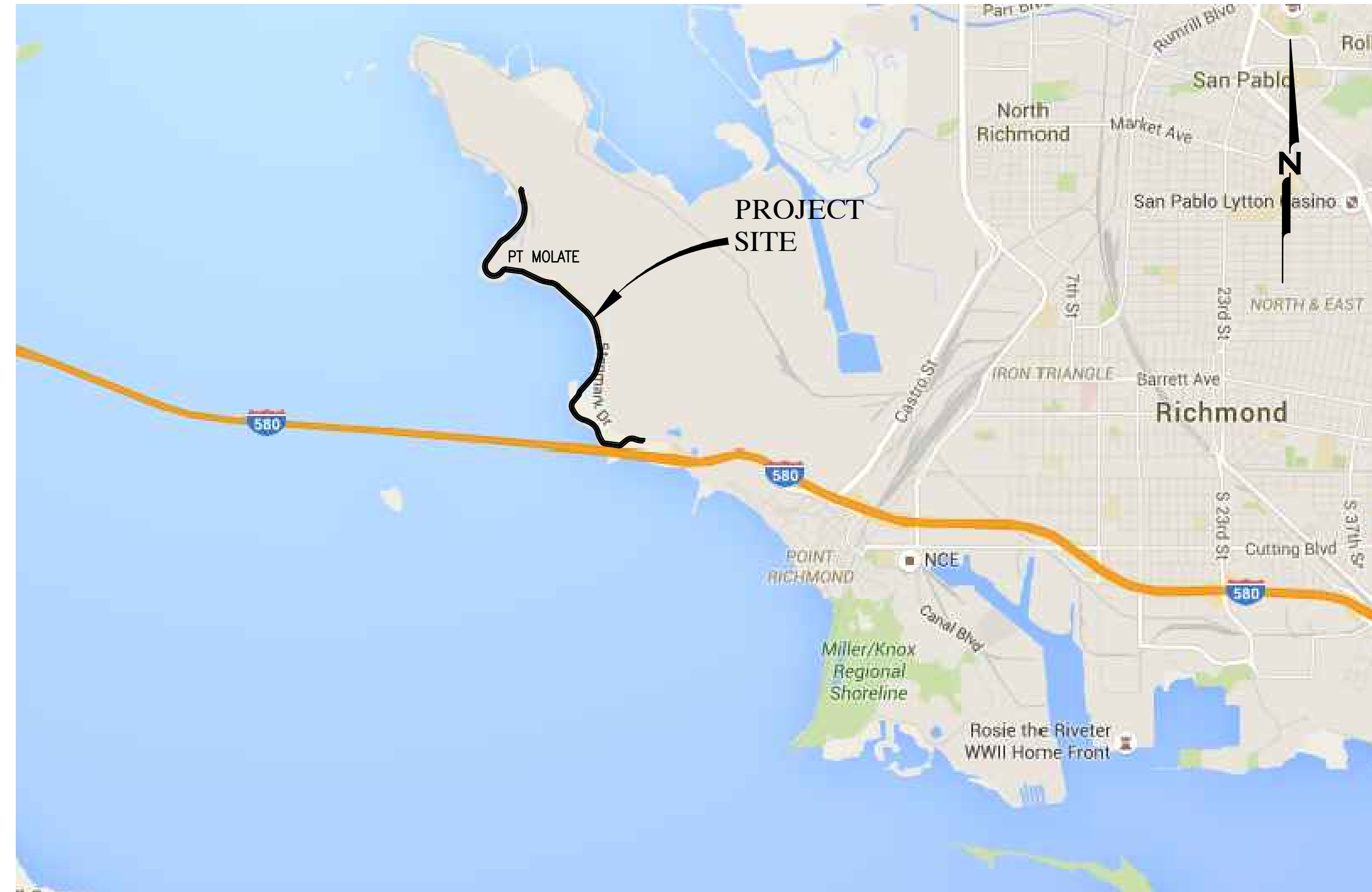
SAN FRANCISCO
BAY TRAIL
AT
POINT MOLATE

OWNER
East Bay
Regional Park District
EAST BAY REGIONAL
PARK DISTRICT
2950 PERALTA OAKS CT,
OAKLAND, CA 94605



SOURCE: GOOGLE MAPS

LOCATION MAP
NOT TO SCALE



SOURCE: GOOGLE MAPS

VICINITY MAP
NOT TO SCALE

SHEET NUMBER	DRAWING	SHEET TITLE
1	G1	TITLE SHEET
2	G2	NOTES, LEGEND, AND ABBREVIATIONS
3	G3	KEY MAP
4	G4	HORIZONTAL AND SURVEY CONTROL
5	G5	USACE & BCDC JURISDICTION 1
6	G6	USACE & BCDC JURISDICTION 2
7	S-D1	SITE AND DEMOLITION PLAN "B" 10+00 TO "B" 18+50
8	S-D2	SITE AND DEMOLITION PLAN "B" 18+50 TO "B" 28+50
9	S-D3	SITE AND DEMOLITION PLAN "B" 28+50 TO "B" 38+50
10	S-D4	SITE AND DEMOLITION PLAN "B" 38+50 TO "B" 48+50
11	S-D5	SITE AND DEMOLITION PLAN "B" 48+50 TO "B" 58+50
12	S-D6	SITE AND DEMOLITION PLAN "B" 58+50 TO "B" 68+50
13	S-D7	SITE AND DEMOLITION PLAN "B" 68+50 TO "B" 78+50
14	S-D8	SITE AND DEMOLITION PLAN "B" 78+50 TO "B" 88+50
15	S-D9	SITE AND DEMOLITION PLAN "B" 88+50 TO "B" 98+50
16	S-D10	SITE AND DEMOLITION PLAN "B" 98+50 TO "B" 108+50
17	S-D11	SITE AND DEMOLITION PLAN "B" 108+50 TO "B" 118+50
18	S-D12	SITE AND DEMOLITION PLAN "B" 118+50 TO "B" 128+50
19	S-D13	SITE AND DEMOLITION PLAN "B" 128+50 TO "B" 133+90
20	C1	TYPICAL TRAIL SECTION 1
21	C2	TYPICAL TRAIL SECTION 2
22	C3	DRAINAGE IMPROVEMENTS

SHEET NUMBER	DRAWING	SHEET TITLE
23	C4	TRAIL GRADING PLAN AND PROFILE "B" 10+00 TO "B" 13+50
24	C5	TRAIL GRADING PLAN AND PROFILE "B" 13+50 TO "B" 18+50
25	C6	TRAIL GRADING PLAN AND PROFILE "B" 18+50 TO "B" 23+50
26	C7	TRAIL GRADING PLAN AND PROFILE "B" 23+50 TO "B" 28+50
27	C8	TRAIL GRADING PLAN AND PROFILE "B" 28+50 TO "B" 33+50
28	C9	TRAIL GRADING PLAN AND PROFILE "B" 33+50 TO "B" 38+50
29	C10	TRAIL GRADING PLAN AND PROFILE "B" 38+50 TO "B" 43+50
30	C11	TRAIL GRADING PLAN AND PROFILE "B" 43+50 TO "B" 48+50
31	C12	TRAIL GRADING PLAN AND PROFILE "B" 48+50 TO "B" 53+50
32	C13	TRAIL GRADING PLAN AND PROFILE "B" 53+50 TO "B" 58+50
33	C14	TRAIL GRADING PLAN AND PROFILE "B" 58+50 TO "B" 63+50
34	C15	TRAIL GRADING PLAN AND PROFILE "B" 63+50 TO "B" 68+50
35	C16	TRAIL GRADING PLAN AND PROFILE "B" 68+50 TO "B" 73+50
36	C17	TRAIL GRADING PLAN AND PROFILE "B" 73+50 TO "B" 78+50
37	C18	TRAIL GRADING PLAN AND PROFILE "B" 78+50 TO "B" 83+50
38	C19	TRAIL GRADING PLAN AND PROFILE "B" 83+50 TO "B" 88+50
39	C20	TRAIL GRADING PLAN AND PROFILE "B" 88+50 TO "B" 93+50
40	C21	TRAIL GRADING PLAN AND PROFILE "B" 93+50 TO "B" 98+50
41	C22	TRAIL GRADING PLAN AND PROFILE "B" 98+50 TO "B" 103+50
42	C23	TRAIL GRADING PLAN AND PROFILE "B" 103+50 TO "B" 108+50
43	C24	TRAIL GRADING PLAN AND PROFILE "B" 108+50 TO "B" 113+50

SHEET NUMBER	DRAWING	SHEET TITLE
44	C25	TRAIL GRADING PLAN AND PROFILE "B" 113+50 TO "B" 118+50
45	C26	TRAIL GRADING PLAN AND PROFILE "B" 118+50 TO "B" 123+50
46	C27	TRAIL GRADING PLAN AND PROFILE "B" 123+50 TO "B" 128+50
47	C28	TRAIL GRADING PLAN AND PROFILE "B" 128+50 TO "B" 133+90
48	C29	FENCING PLAN "B" 9+50 TO "B" 35+50
49	C30	FENCING PLAN "B" 35+50 TO "B" 61+50
50	C31	FENCING PLAN "B" 61+50 TO "B" 87+50
51	C32	FENCING PLAN "B" 87+50 TO "B" 108+50
52	C33	FENCING PLAN "B" 108+50 TO "B" 133+90
53	S1	STRIPING AND SIGNAGE PLAN "B" 9+50 TO "B" 35+50
54	S2	STRIPING AND SIGNAGE PLAN "B" 35+50 TO "B" 61+50
55	S3	STRIPING AND SIGNAGE PLAN "B" 61+50 TO "B" 87+50
56	S4	STRIPING AND SIGNAGE PLAN "B" 87+50 TO "B" 108+50
57	S5	STRIPING AND SIGNAGE PLAN "B" 108+50 TO "B" 133+90
58	D1	FENCING DETAIL 1
59	D2	FENCING DETAIL 2
60	D3	BOARDWALK DETAILS
61	D4	UTILITY DETAILS
62	D5	CURB RAMP DETAILS
63	D6	SIGNAGE AND STRIPING DETAILS

PREPARED UNDER
THE DIRECTION OF:

FRANZ HAIDINGER, P.E.
ENGINEERING MANAGER, NCE

DATE

APPROVED
BY:

EAST BAY REGIONAL PARK DISTRICT

DATE

APPROVED
BY:

CITY OF RICHMOND

DATE

**65% SUBMITTAL
PRELIMINARY
FOR REVIEW
NOT FOR CONSTRUCTION**
DATE: 02-09-2017

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N.
DATE:	01/23/2017
DATE:	02/09/2017

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SHEET TITLE	TITLE SHEET
DRAWING	G1
SHEET	1 OF 63

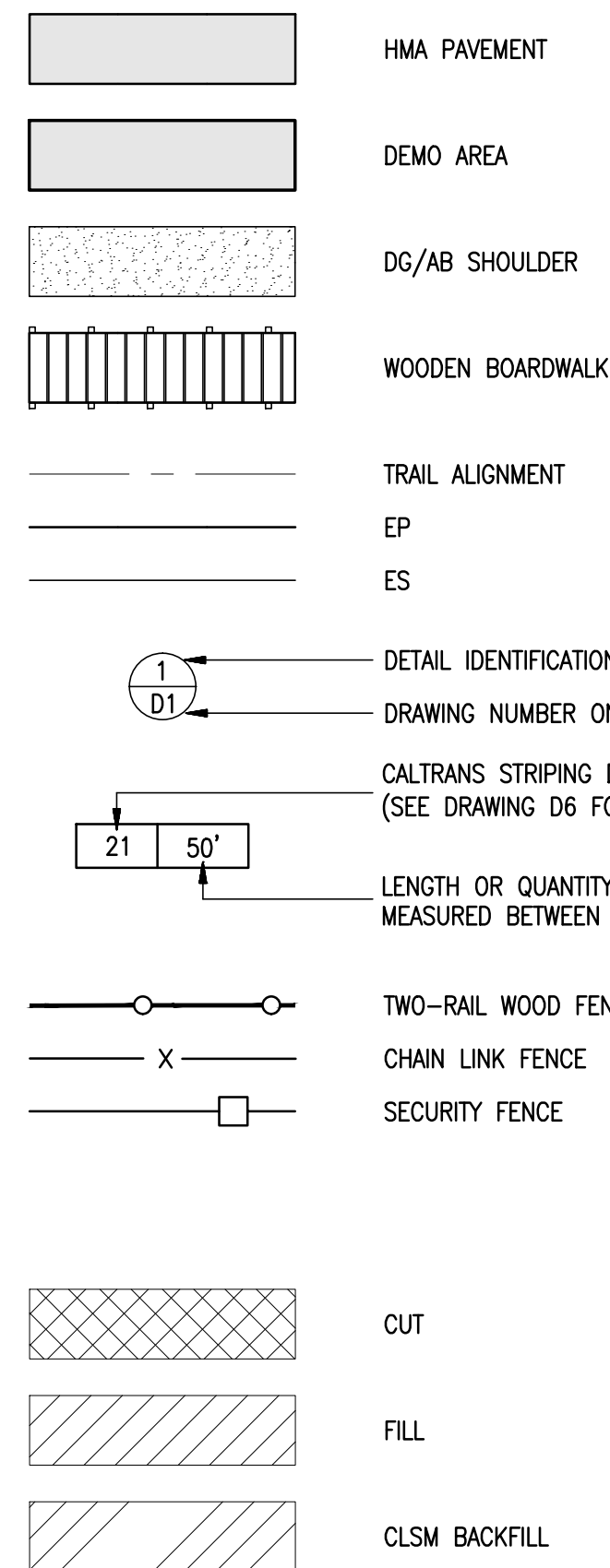


GENERAL NOTES

- ALL DRAWINGS AND SPECIFICATIONS ARE CONSIDERED PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION MAY BE ISSUED. WORK NOT CONFORMING TO THE CONTRACT DOCUMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT NO EXPENSE TO THE DISTRICT AND/OR CITY OF RICHMOND.
- DRAWING BASE MAP IS BASED ON AERIAL SURVEY AND SUPPLEMENTAL GROUND SURVEY. SEE SHEET G4 FOR SURVEY GENERAL NOTES, DATUM, AND CONTROL POINT TABLE.
- SPECIFIC NOTES AND DETAILS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY LOCATIONS OF EXISTING FACILITIES AND TO IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY FIELD CONFLICTS.
- ALL MATERIALS AND WORKMANSHIP SHALL FULLY CONFORM WITH THE SPECIFICATIONS, STANDARDS, AND ORDINANCES OF THE DISTRICT AND/OR CITY OF RICHMOND, THE LATEST CONTRA COSTA COUNTY STANDARD PLANS, AND THE CALTRANS STANDARD SPECIFICATIONS (LATEST REVISION). STANDARD PLANS ARE AVAILABLE AT THE OFFICE OF THE ENGINEER.
- CONTRACTOR SHALL MEET WITH THE DISTRICT AND/OR CITY OF RICHMOND PRIOR TO START OF CONSTRUCTION. 48 HOURS NOTICE TO THE ENGINEER IS REQUIRED ON ALL INSPECTIONS.
- CONTRACTOR IS RESPONSIBLE TO MAKE ALL ARRANGEMENTS FOR SITE INSPECTIONS AND ENSURE THAT ALL CURRENT STANDARDS FOR THE DISTRICT AND/OR CITY OF RICHMOND, CONTRA COSTA COUNTY AND CALTRANS ARE FOLLOWED PRIOR TO BEGINNING ANY PHASE OF CONSTRUCTION WORK.
- CONTRACTOR SHALL VERIFY DIMENSIONS PRIOR TO START OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
- CONSTRUCTION SHALL BE LIMITED TO BETWEEN THE HOURS OF 8:00 A.M. AND 4:30 P.M., MONDAY THROUGH FRIDAY AND INSPECTION REQUESTS SHALL BE LIMITED TO NORMAL DISTRICT AND/OR CITY OF RICHMOND BUSINESS HOURS: 8:30 A.M. TO 5:00 P.M., MONDAY THROUGH FRIDAY. ARRANGEMENTS FOR ANY OVERTIME INSPECTION SERVICES AND PAYMENTS OF FEES FOR SAME SHOULD BE MADE 48 HOURS IN ADVANCE AND ARE SUBJECT TO INSPECTION AVAILABILITY AND APPROVAL BY THE ENGINEER.
- THE DISTRICT AND/OR CITY OF RICHMOND IS RESPONSIBLE FOR ARRANGEMENTS TO PAY FOR ALL MATERIAL TESTING REQUIRED FOR QUALITY ASSURANCE/ACCEPTANCE OF THIS PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEE TO IT THAT ALL MATERIAL TESTING REQUIRED BY THE ENGINEER AND QUALITY CONTROL TESTING, PER THE SPECIAL PROVISIONS, IS PERFORMED. ENGINEER WILL ONLY PERFORM QUALITY ASSURANCE TESTING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER 24 HOURS IN ADVANCE OF QUALITY ASSURANCE TESTING TO ALLOW THE ENGINEER TO SCHEDULE MATERIAL TESTING LAB SAMPLING OR TESTING.
- DUST CONTROL DURING ALL PHASES OF CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR. IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN GOOD HOUSEKEEPING WITHIN THE CONSTRUCTION AREA AND STAGING AREA.
- WATER FOR DUST CONTROL AND USE FOR COMPACTION MAY BE PURCHASED FROM THE APPROPRIATE AGENCY PRIOR TO THE START OF ANY WORK, AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PAY FOR ANY FEES OR DEPOSITS.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL THE PROPOSED ROUTE(S) FOR ALL CONSTRUCTION TRAFFIC RELATED TO THE PROJECT. UPON APPROVAL, THE CONTRACTOR SHALL STRICTLY ADHERE TO THAT ROUTE(S) ONLY, UNLESS WRITTEN PERMISSION IS OBTAINED TO CHANGE THE ROUTE(S). IN ADDITION TO THE CONTRACTOR'S PROPOSED ROUTE(S), A DETOUR PLAN SHALL BE SUBMITTED FOR APPROVAL BY THE ENGINEER.
- CONTRACTOR SHOULD NOTE THE PRESENCE OF OVERHEAD UTILITIES IN THE WORK AREA. AS PART OF THEIR PRE-BID INSPECTION, CONTRACTOR SHALL NOTE THE TYPE AND LOCATION OF OVERHEAD UTILITIES IN THE PROPOSED WORK AREA. CONTRACTOR'S PRICE SHALL INCLUDE PROVISIONS FOR WORKING IN AREAS WHERE UTILITIES EXIST AT THE TIME OF BIDDING, AND NO ADDITIONAL COMPENSATION IS ALLOWED.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENCES AND BUSINESSES AFFECTED BY THE PROJECT THROUGHOUT THE LIFE OF THE CONTRACT AS SPECIFIED IN THE SPECIAL PROVISIONS.
- LOCATIONS OF EXISTING MONUMENTS, MONITORING WELLS, MANHOLES, WATER VALVES, ETC. ARE APPROXIMATED BASED ON FIELD OBSERVATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES.
- CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (U.S.A.) 800-227-2600 (OR DIAL 811), TWO (2) WORKING DAYS PRIOR TO START OF ANY EXCAVATION OR DEMOLITION OF IMPROVEMENTS.
- ANY DAMAGE TO THE EXISTING FACILITIES INCLUDING TREES, LANDSCAPING, IRRIGATION, FENCES, WALLS, SIDEWALK, UTILITIES, AND OTHER PAVEMENT SURFACES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE. CONTRACTOR SHALL RESTORE ANY AND ALL PAVEMENT AND OTHER FACILITIES OUTSIDE LIMITS OF WORK AFFECTED BY THE CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VIDEOTAPE OR DOCUMENT EXISTING CONDITIONS PRIOR TO START OF WORK TO SUBSTANTIATE ANY PREVIOUS DAMAGE, ETC.; COPIES OF WHICH SHALL BE PROVIDED TO THE ENGINEER.
- ALL SURVEY MONUMENTS SHALL ONLY BE RESET BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR AT THE DIRECTION OF THE ENGINEER.
- ALL STRIPING AND MARKINGS SHALL BE THERMOPLASTIC.
- TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN, AND OTHER DEVICES TO PROVIDE FOR SAFE PASSAGE OF PUBLIC VEHICULAR AND PEDESTRIAN TRAFFIC IN ACCORDANCE WITH CA MUTCD.
- TYPICAL DETAILS REFERRED TO ON THESE DRAWINGS ARE FROM THE LATEST VERSIONS OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS, CONTRA COSTA COUNTY STANDARD PLANS, AND DISTRICT STANDARD PLANS.
- CONTRACTOR SHALL POSSESS A VALID CLASS 'A' LICENSE AT THE TIME OF AWARD OF THE CONTRACT.

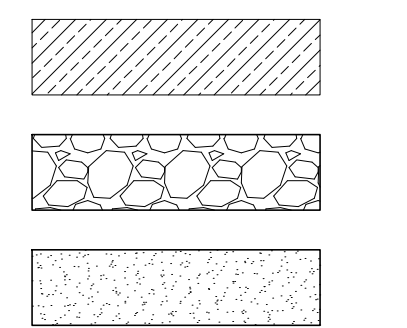
LEGEND

PROPOSED FEATURES

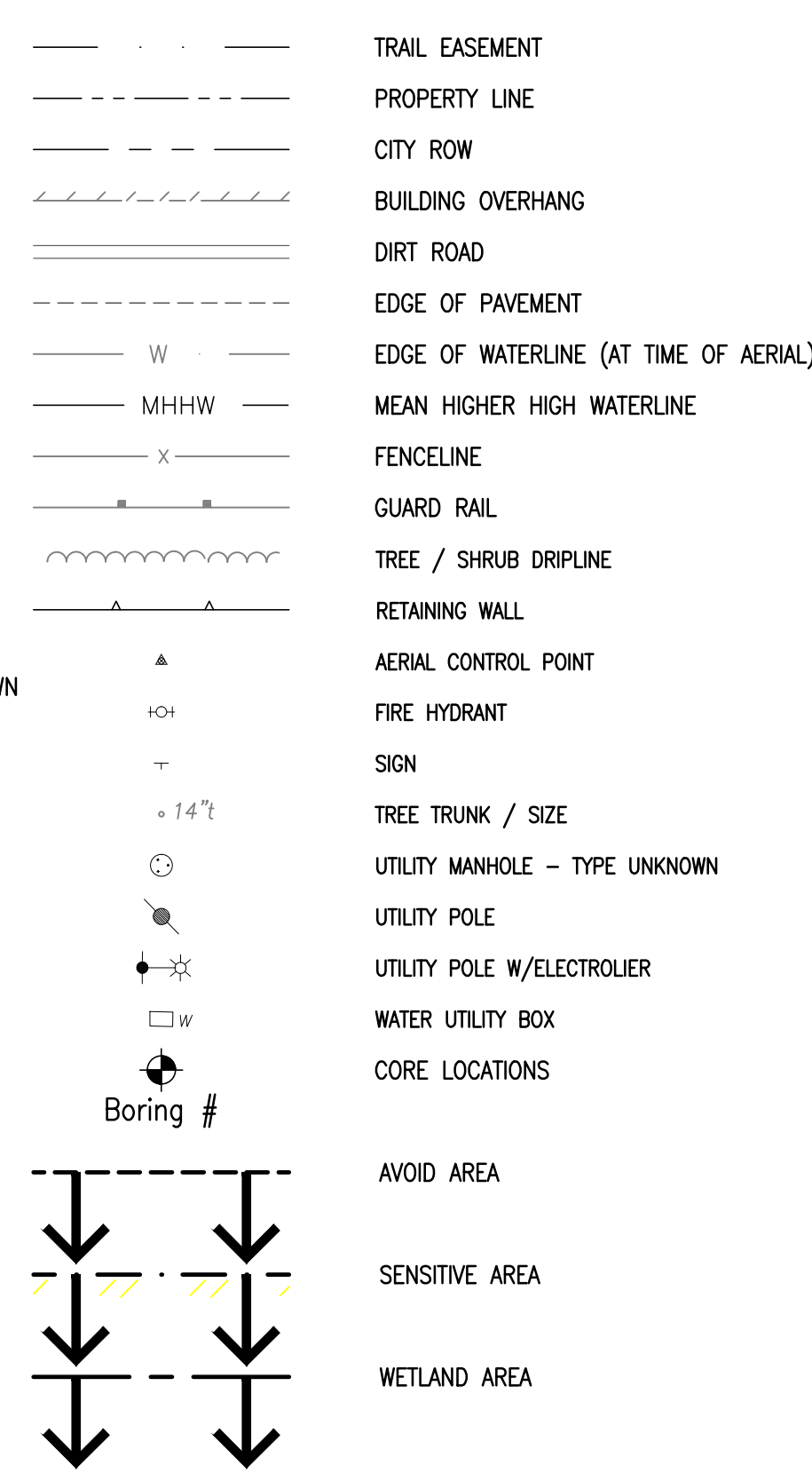


LEGEND - PAVING DETAIL SHEETS

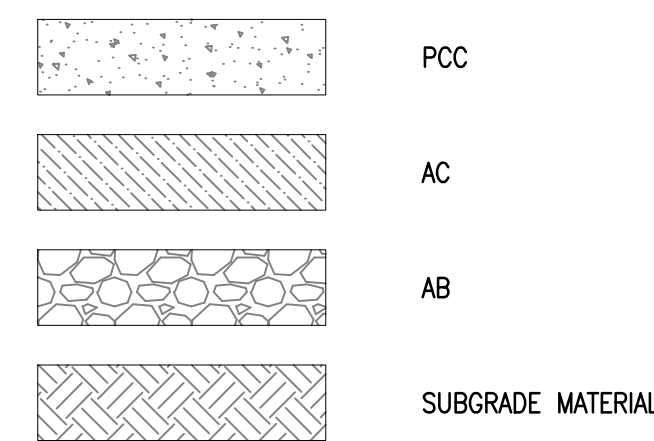
PROPOSED FEATURES



EXISTING FEATURES



EXISTING FEATURES

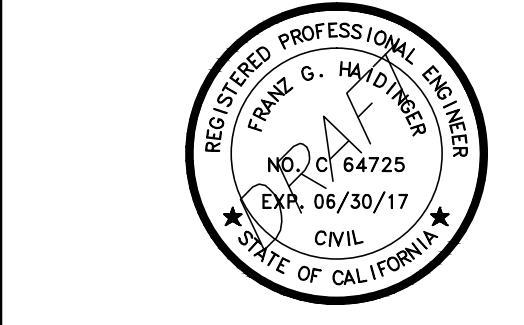


ABBREVIATIONS

NOT ALL ABBREVIATIONS LISTED ARE USED IN THESE PLANS

AB _____	AGGREGATE BASE	MH _____	MANHOLE
ABUT _____	ABUTMENT	MAX _____	MAXIMUM
AC _____	ASPHALT CONCRETE	MDD _____	MAXIMUM DRY DENSITY
⊙ _____	AT	MIN _____	MINIMUM
APPROX _____	APPROXIMATE	MISC _____	MISCELLANEOUS
AVG _____	AVERAGE	MON _____	MONUMENT
		MUTCD _____	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
BDC _____	BAY CONSERVATION DEVELOPMENT	N _____	NORTH
COMMISSION _____	COMMISSION	(N) _____	NEW
BMP _____	BEST MANAGEMENT PRACTICES	N/O _____	NORTH OF
		NIC _____	NOT IN CONTRACT
CATV _____	CABLE/TELEVISION	N.T.S. _____	NOT TO SCALE
C&G _____	CURB AND GUTTER	# _____	OR NO. NUMBER
CB _____	CATCH BASIN		
CF _____	CUBIC FEET	OC _____	ON CENTER
CIDH _____	CAST IN-DRILLED HOLE	OD _____	OUTER DIAMETER
CIR _____	COLD IN-PLACE RECYCLING		
CL OR Ⓞ _____	CENTERLINE	± _____	PLUS OR MINUS
CLR _____	CLEAR	(P) _____	PROPOSED
CLSM _____	CONTROLLED LOW STRENGTH MATERIAL	PG&E _____	PACIFIC GAS & ELECTRIC
COMM _____	COMMUNICATION	PT _____	POINT
CONC _____	CONCRETE	PCC _____	PORTLAND CEMENT CONCRETE
CONST _____	CONSTRUCT	PVMT _____	PAVEMENT
CY _____	CUBIC YARD	PSI _____	POUNDS PER SQUARE INCH
		PL _____	PROPERTY LINE
* OR DEG _____	DEGREE(S)	PP _____	POWER POLE
DG _____	DECOMPOSED GRANITE	PVC _____	POLYVINYL CHLORIDE
DI _____	DROP INLET		
Ø OR DIA _____	DIAMETER	R _____	RADIUS
DIR _____	DIRECTION	RHM _____	RUBBERIZED HOT MIX ASPHALT
DWG _____	DRAWING	ROW _____	RIGHT-OF-WAY
DWS _____	DETECTABLE WARNING SURFACE	S _____	SLOPE, SOUTH
DW, DWY _____	DRIVEWAY	SD _____	STORM DRAIN
		SDMH _____	STORM DRAIN MANHOLE
E _____	EAST	SF _____	SQUARE FOOT/FEET
EA _____	EACH	SSMH _____	SANITARY SEWER MANHOLE
EB _____	EASTBOUND, ELECTRICAL BOX	SSCO _____	SANITARY SEWER CLEAN OUT
EG _____	EXISTING GRADE	STD _____	STANDARD
ELEC _____	ELECTRIC	STA _____	STATION
EP _____	EDGE OF PAVEMENT	SW _____	SIDEWALK
EL _____	ELEVATION	SY _____	SQUARE YARD
(E) _____	EXISTING		
ES _____	EDGE OF SHOULDER	TBX _____	TELECOMMUNICATIONS BOX
ETW _____	EDGE OF TRAVELED WAY	TC _____	TOP OF CURB
		TEMP _____	TEMPORARY
FG _____	FINISH GRADE	TP _____	THERMO-PLASTIC
FH _____	FIRE HYDRANT	TSB _____	TRAFFIC SIGNAL BOX
FFC _____	FRONT FACE CURB	TYP _____	TYPICAL
FL _____	FLOWLINE		
FT or ' _____	FOOT, FEET	U/G _____	UNDERGROUND
		USACE _____	UNITED STATES ARMY CORPS OF ENGINEERS
G _____	GAS	VG _____	VALLEY GUTTER
GV _____	GATE VALVE		
GB _____	GRADE BREAK	W _____	WATER, WEST
		WL _____	WATERLINE
HMA _____	HOT MIX ASPHALT	W/ _____	WITH
		WM _____	WATER METER
IN or " _____	INCH	WV _____	WATER VALVE
INT _____	INTERSECTION	WB _____	WESTBOUND
ISA _____	INTERNATIONAL SYMBOL OF ACCESSIBILITY		
LEN _____	LENGTH		
LF _____	LINEAR FEET		
LP _____	LIGHT POLE		
LRFD _____	LOAD & RESISTANCE FACTOR DESIGN		
LS _____	LUMP SUM		

NCE
 501 Canal Blvd., Suite 1
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SAN FRANCISCO BAY TRAIL AT POINT MOLATE

East Bay Regional Park District
EAST BAY REGIONAL PARK DISTRICT
 2950 PERALTA OAKS CT, OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

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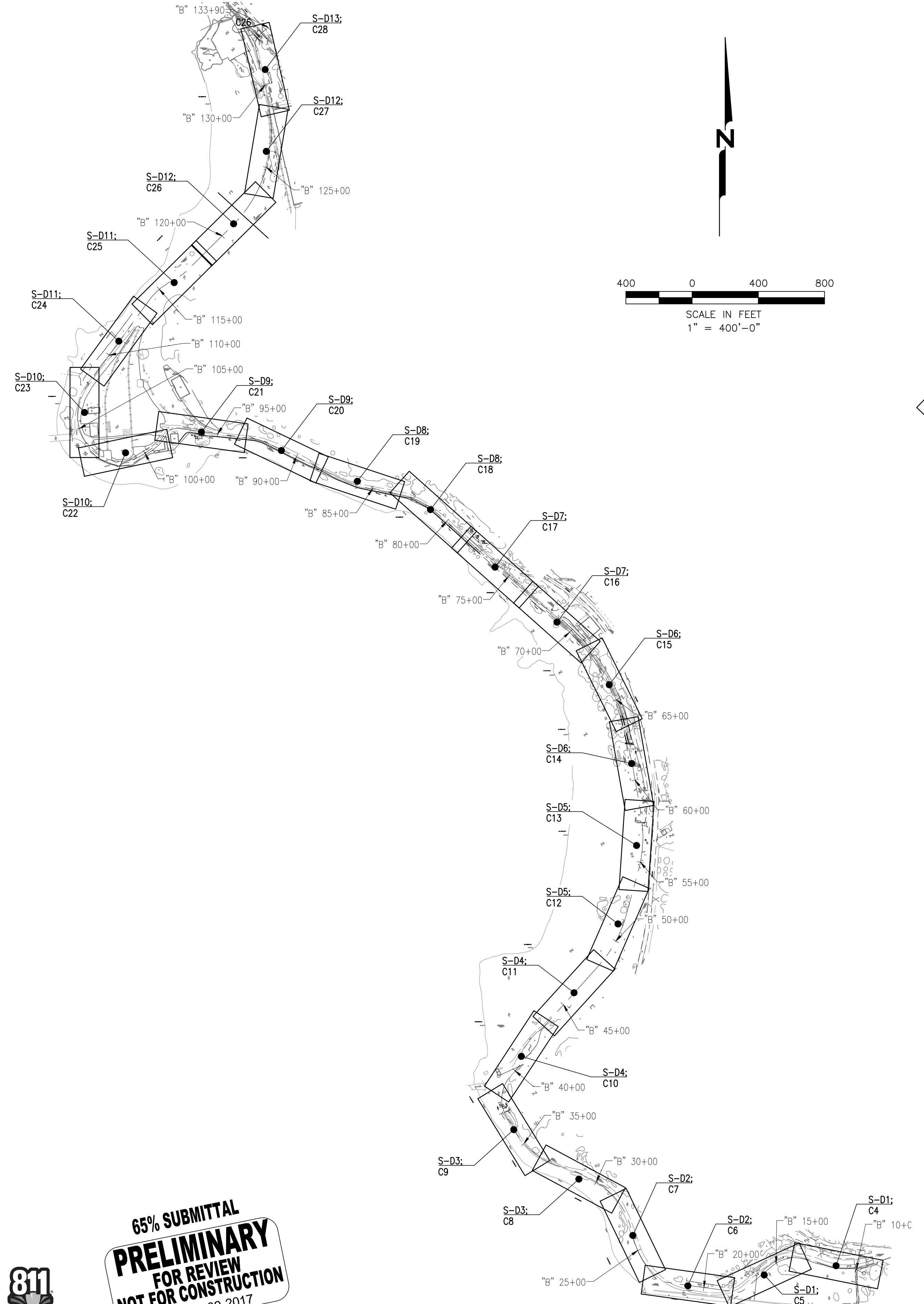
NOTES, LEGEND, AND ABBREVIATIONS

File: P:\active_projects\east_bay_regional_park.dwg - 2/8/2017 10:49:20 AM (J.B.)

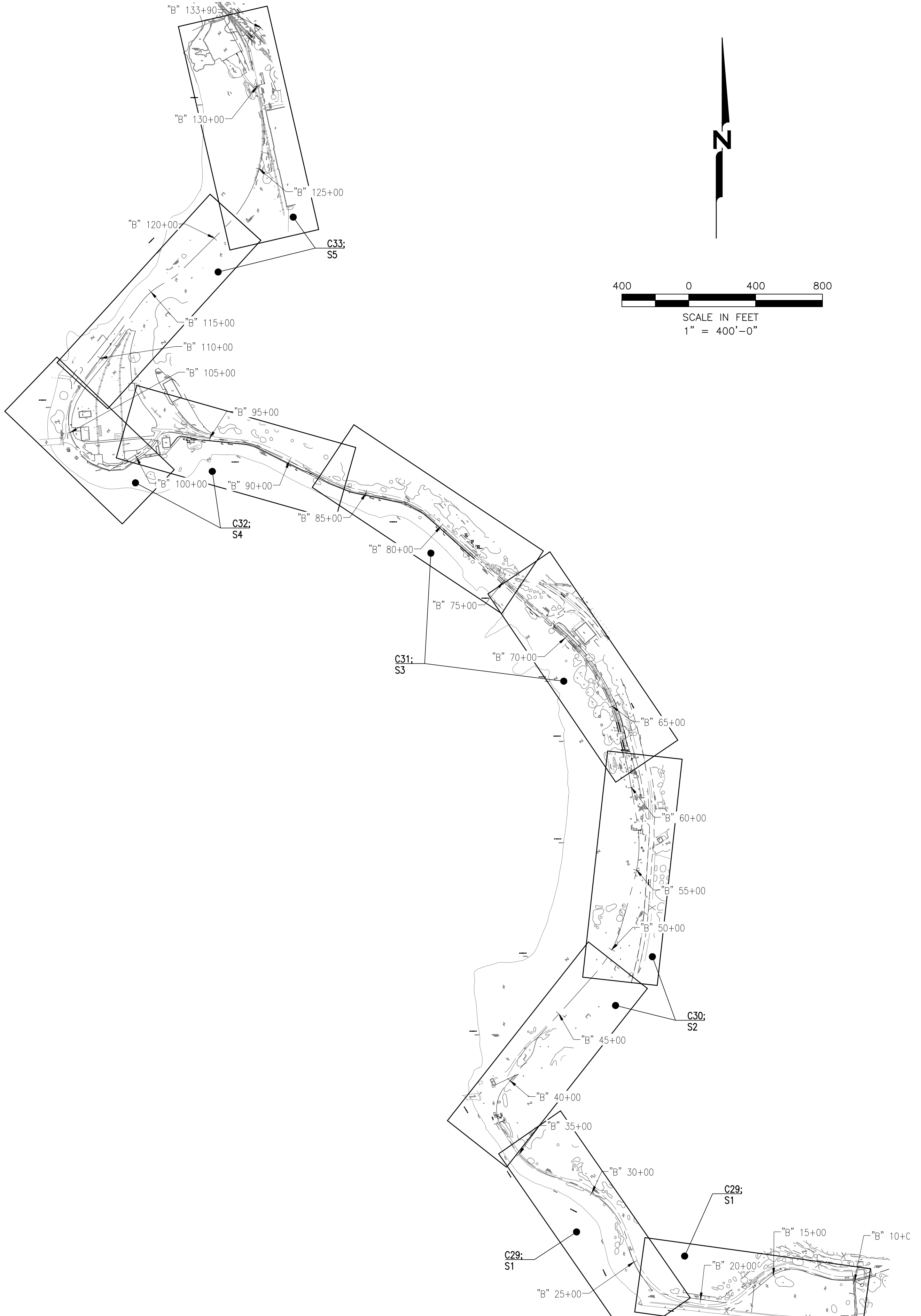
P:\active_projects\east_bay_regional_park\811\811.dwg - by: jay.neuberg, a & s:\3d\sheet\01\811.dwg - layout: 03 - 2/2/2017 @ 2:27pm [10:42:2017] (1/15 sheets)



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**SITE AND DEMOLITION PLANS
& TRAIL GRADING PLANS AND PROFILES**



**FENCING PLANS
& STRIPING AND SIGNAGE PLANS**

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 Richmond, Ca. 94804
 (510) 215-3620 * Fax (510) 215-2898



**SAN FRANCISCO
 BAY TRAIL
 AT
 POINT MOLATE**

OWNER
East Bay
 Regional Park District
**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
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SHEET TITLE

KEY MAP

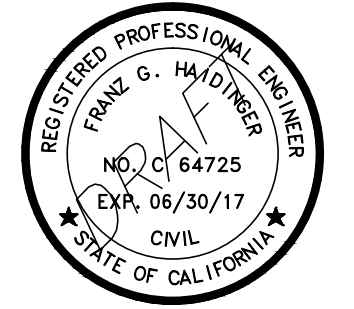
DRAWING

G3

SHEET 3 OF 63



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**SAN FRANCISCO
 BAY TRAIL
 AT
 POINT MOLATE**

OWNER



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SHEET TITLE

**HORIZONTAL AND
 SURVEY CONTROL**

DRAWING

G4

SHEET 4 OF 63

SURVEY CONTROL

CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
2	2167974.84	6012290.13	47.20	FIXED MAG & WASHER
4	2167796.03	6010982.92	18.46	FIXED REBAR & CAP
5	2168416.08	6010613.58	18.81	FIXED MAG & WASHER
6	2167683.04	6012085.55	19.19	FIXED 60D NAIL & WASHER
10	2168539.71	6010330.60	17.51	FIXED MAG & WASHER
11	2169364.18	6010051.09	10.66	FIXED REBAR & CAP
14	2170087.96	6010938.36	60.22	FIXED MAG & WASHER
15	2170939.65	6010795.92	17.89	FIXED REBAR & CAP
24	2175248.87	6008268.54	30.08	FIXED REBAR & CAP
31	2171732.70	6010695.82	22.02	FIXED MAG & WASHER
36	2172172.82	6009955.46	21.27	FIXED MAG & WASHER
37	2172880.97	6008616.54	21.19	FIXED MAG & WASHER
38	2172929.89	6007430.55	16.76	FIXED MAG & WASHER
39	2174015.81	6008128.95	10.38	FIXED REBAR & CAP
40	2173345.02	6007995.72	21.34	FIXED REBAR & CAP
75	2168071.04	6011810.72	46.08	BRASS DISC IN WELL (OLD 35)

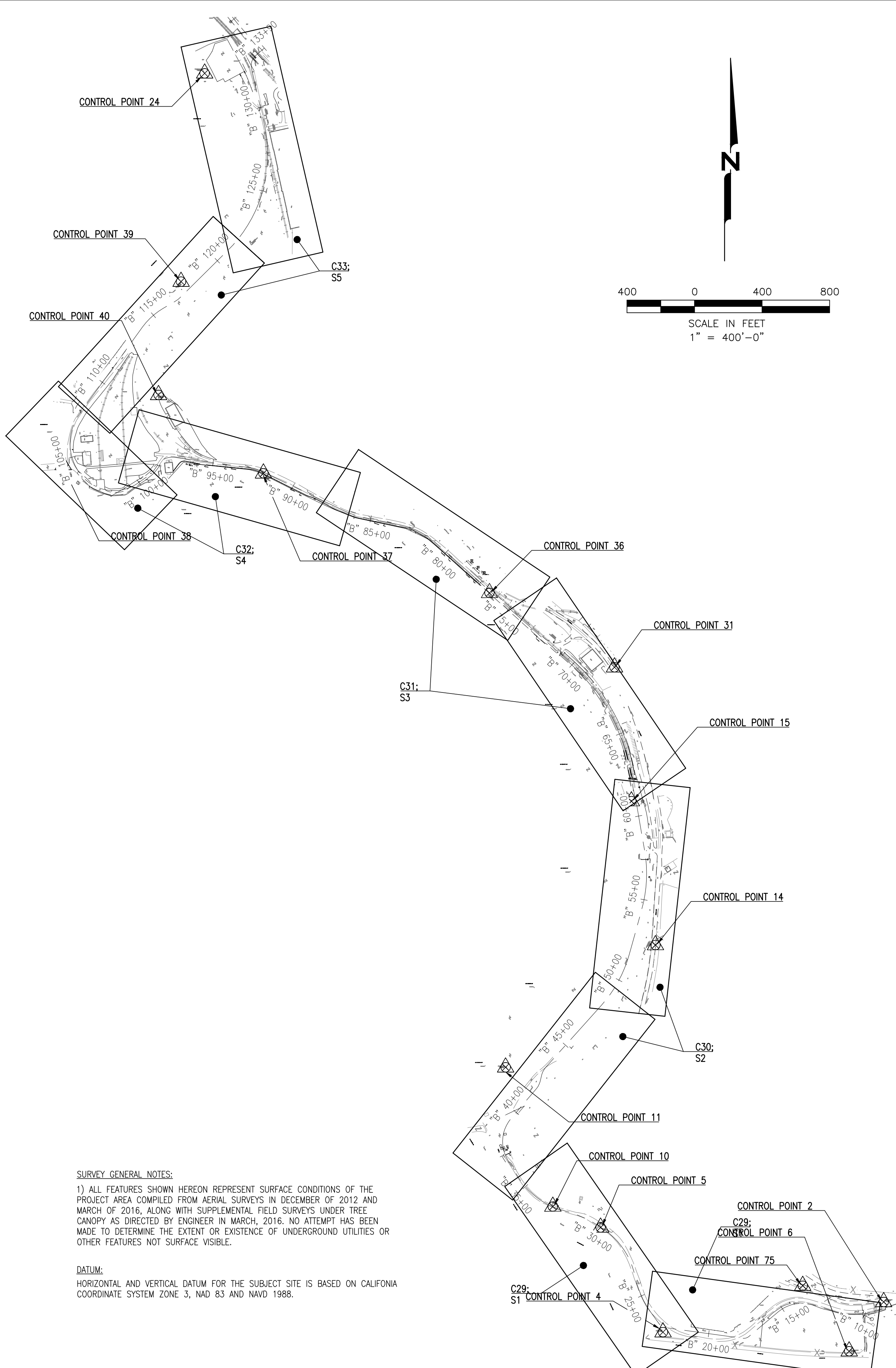
HORIZONTAL ALIGNMENT - SF BAY TRAIL

PI STATION	NORTHING	EASTING	Δ OR BEARING	DISTANCE	RADIUS
9+50.00	2167872.67	6012219.02	N 62° 10' 55" W	50.00	
10+00.00	2167896.00	6012174.79	Δ LT 33° 38' 52"		51.50
10+30.24	2167901.68	6012145.53	Δ RT 23° 47' 35"		348.50
11+74.97	2167916.87	6012002.65	N 72° 02' 12" W	103.89	
12+78.86	2167948.91	6011903.82	Δ LT 15° 54' 12"		351.50
13+76.42	2167965.82	6011808.05	Δ LT 41° 58' 38"		206.50
15+27.71	2167917.83	6011668.12	S 50° 04' 57" W	229.24	
17+56.96	2167770.73	6011492.30	Δ RT 47° 46' 44"		50.00
17+98.85	2167759.55	6011453.38	N 82° 08' 19" W	458.11	
22+56.76	2167822.21	6010999.58	Δ RT 46° 36' 30"		60.00
23+05.57	2167846.78	6010958.95	N 35° 31' 49" W	86.35	
23+91.91	2167917.05	6010908.77	Δ RT 23° 53' 48"		550.00
26+21.30	2168125.76	6010817.67	Δ LT 42° 34' 47"		450.00
29+55.72	2168400.06	6010640.06	Δ LT 21° 00' 29"		750.00
32+30.72	2168516.85	6010392.80	Δ RT 43° 44' 20"		450.00
35+74.24	2168716.95	6010123.83	N 31° 28' 56" W	114.74	
36+88.98	2168814.81	6010063.90	Δ RT 71° 49' 04"		210.00
39+52.21	2169060.40	6010082.92	N 40° 20' 08" E	233.69	
41+85.90	2169238.53	6010234.17	Δ LT 26° 16' 56"		100.00
42+31.77	2169278.98	6010254.95	N 14° 03' 12" E	42.88	
42+74.65	2169320.57	6010265.36	Δ RT 27° 51' 39"		100.00
43+23.27	2169363.09	6010287.96	N 41° 54' 50" E	495.05	
48+18.32	2169731.48	6010618.65	Δ LT 26° 25' 37"		750.00
51+64.24	2170032.22	6010783.31	N 15° 29' 13" E	275.49	
54+39.74	2170297.71	6010856.87	Δ LT 25° 19' 50"		800.00
57+93.42	2170648.09	6010874.14	N 09° 50' 37" W	302.33	
60+95.75	2170945.97	6010822.46	Δ LT 04° 48' 50"		200.00
61+12.55	2170962.39	6010818.89	N 14° 39' 27" W	33.74	
61+46.29	2170995.03	6010810.35	Δ RT 04° 35' 53"		200.00
61+62.34	2171010.71	6010806.92	N 10° 03' 34" W	104.61	
62+66.96	2171113.71	6010788.65	Δ LT 36° 12' 48"		1130.00
69+81.16	2171732.92	6010457.10	N 46° 16' 22" W	122.02	
71+03.18	2171817.26	6010368.93	N 48° 19' 20" W	982.70	
80+85.88	2172470.69	6009634.96	Δ LT 30° 14' 47"		450.00
83+23.43	2172575.66	6009424.92	N 78° 34' 06" W	214.03	
85+37.46	2172618.08	6009215.14	Δ RT 14° 05' 60"		500.00
86+60.51	2172656.99	6009098.73	N 64° 28' 06" W	553.88	
92+14.39	2172895.72	6008598.94	Δ LT 17° 42' 09"		200.00
92+76.18	2172913.38	6008539.98	N 82° 10' 16" W	456.07	
97+32.25	2172975.51	6008088.16	Δ LT 64° 59' 19"		100.00
98+45.68	2172930.67	6007990.52	S 32° 50' 25" W	16.98	
98+62.65	2172916.41	6007981.32	Δ RT 21° 55' 30"		200.00
99+39.19	2172861.51	6007928.67	S 54° 45' 55" W	65.25	
100+04.43	2172823.86	6007875.37	Δ RT 88° 45' 03"		250.00
103+91.68	2172879.41	6007530.14	Δ RT 72° 27' 03"		300.00
107+71.03	2173233.99	6007528.54	N 35° 58' 01.7188" E	633.78	
114+04.82	2173746.94	6007900.77	Δ RT 23° 49' 54"		400.00
115+71.19	2173857.72	6008089.78	N 59° 47' 55" E	76.93	
116+48.12	2173896.42	6008089.78	Δ LT 14° 31' 21"		200.00
116+98.81	2173927.17	6008129.91	N 45° 16' 34" E	3387.50	
120+86.31	2174199.85	6008405.23	Δ LT 58° 14' 58"		800.00
128+99.63	2174947.85	6008621.86	N 12° 58' 24" W	337.21	
132+36.84	2175276.46	6008546.16	Δ RT 62° 04' 29"		80.00
133+23.51	2175354.89	6008571.74	N 49° 06' 05" E	66.49	

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 DATE: 02-09-2017**



Know what's below.
 Call before you dig.



SURVEY GENERAL NOTES:
 1) ALL FEATURES SHOWN HEREON REPRESENT SURFACE CONDITIONS OF THE PROJECT AREA COMPILED FROM AERIAL SURVEYS IN DECEMBER OF 2012 AND MARCH OF 2016, ALONG WITH SUPPLEMENTAL FIELD SURVEYS UNDER TREE CANOPY AS DIRECTED BY ENGINEER IN MARCH, 2016. NO ATTEMPT HAS BEEN MADE TO DETERMINE THE EXTENT OR EXISTENCE OF UNDERGROUND UTILITIES OR OTHER FEATURES NOT SURFACE VISIBLE.

DATUM:
 HORIZONTAL AND VERTICAL DATUM FOR THE SUBJECT SITE IS BASED ON CALIFORNIA COORDINATE SYSTEM ZONE 3, NAD 83 AND NAVD 1988.

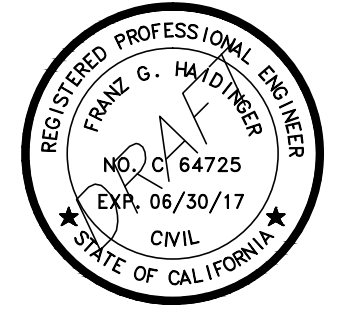
File: P:\active_projects\east_bay_regional_park.dwg - 2/9/2017 2:27:20pm - [10/10/2016] (WKS Team)

LEGEND

- BCDC JURISDICTION
- MEAN HIGH WATER
- HIGH TIDE WATER



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**SAN FRANCISCO
 BAY TRAIL
 AT
 POINT MOLATE**

OWNER



**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

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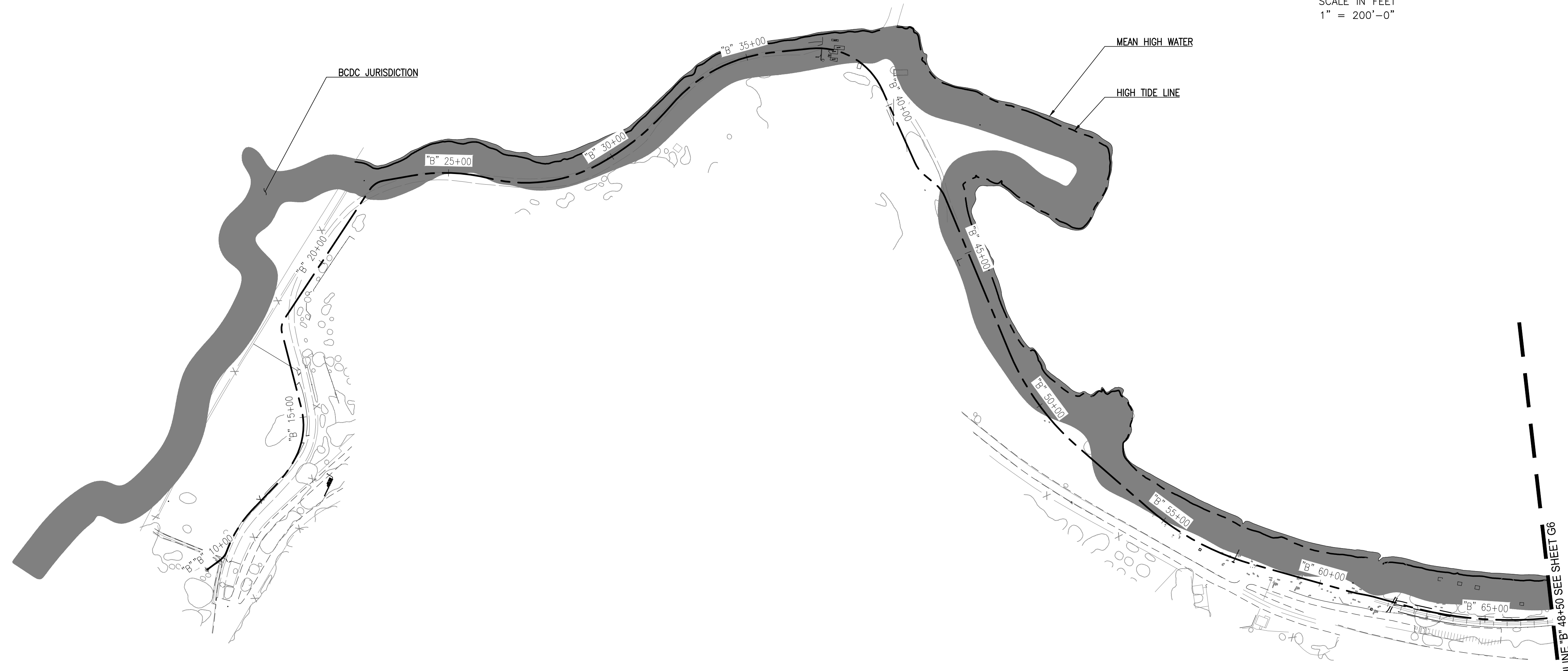
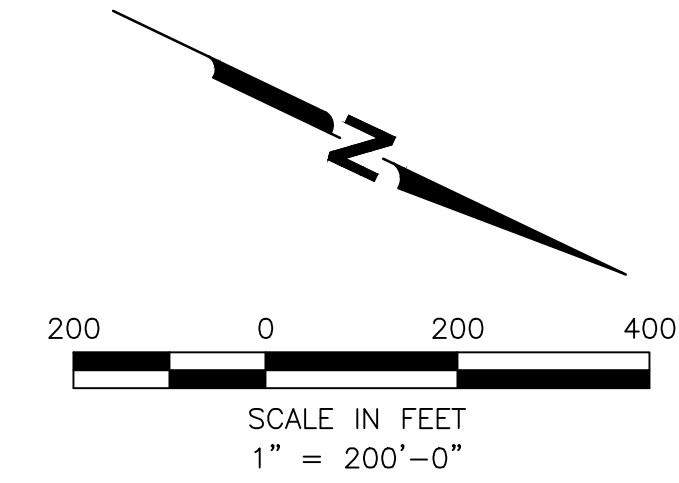
SHEET TITLE

**USACE & BCDC
 JURISDICTION 1**

DRAWING

G5

SHEET 5 OF 63






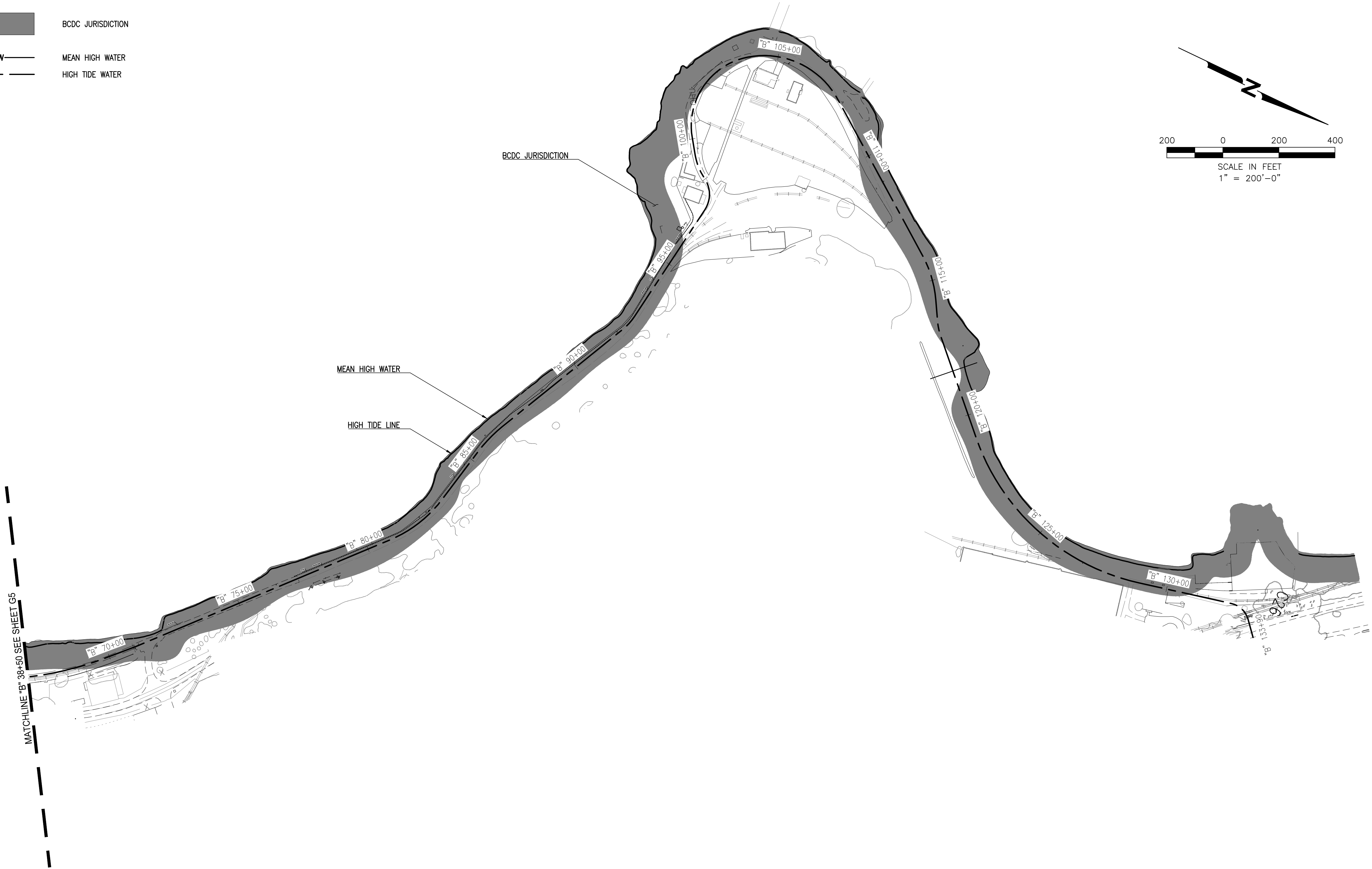
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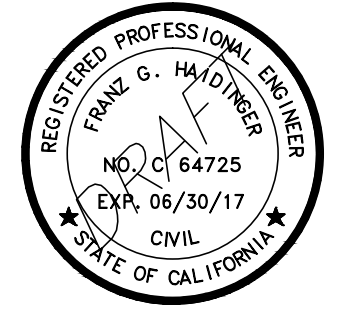
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LEGEND

-  BCDC JURISDICTION
-  MEAN HIGH WATER
-  HIGH TIDE WATER



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**SAN FRANCISCO
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 AT
 POINT MOLATE**

OWNER



**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

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SHEET TITLE

**USACE & BCDC
 JURISDICTION 2**

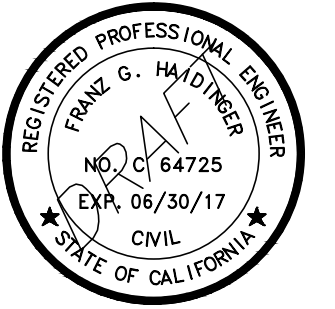
DRAWING
G6

SHEET 6 OF 63

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**SAN FRANCISCO
BAY TRAIL
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POINT MOLATE**

OWNER



**EAST BAY REGIONAL
PARK DISTRICT**
2950 PERALTA OAKS CT,
OAKLAND, CA 94605

NO.	DATE	DESCRIPTION
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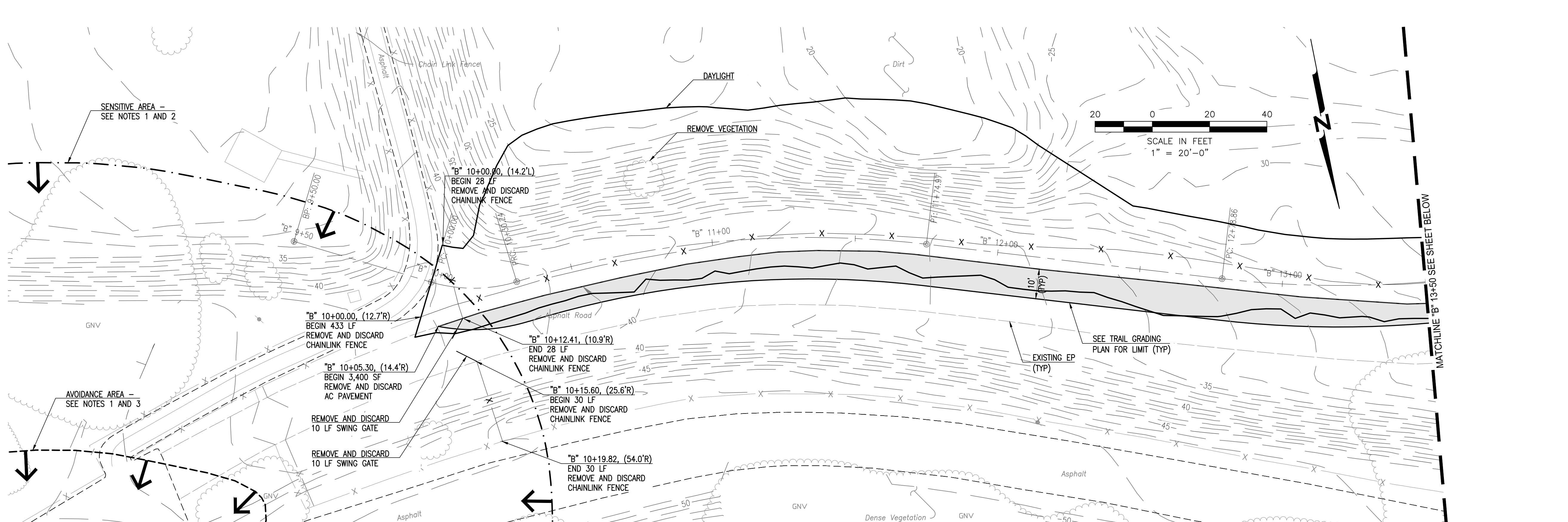
PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

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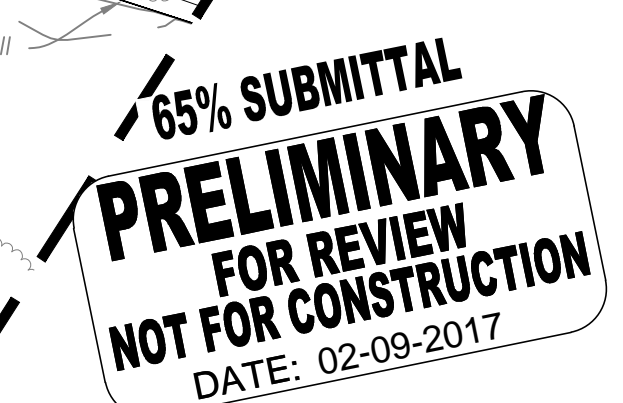
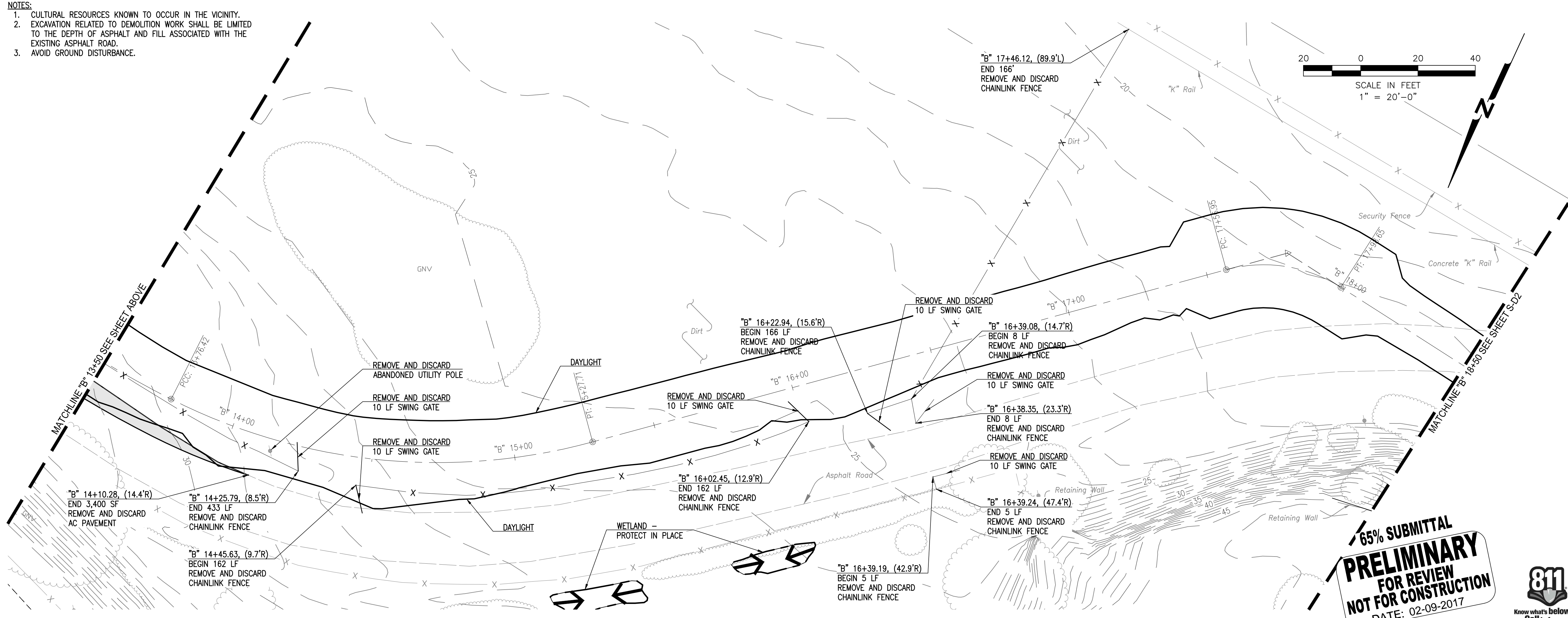
SHEET TITLE

**SITE AND DEMOLITION
PLAN "B" 10+00 TO "B"
18+50**

DRAWING
S-D1

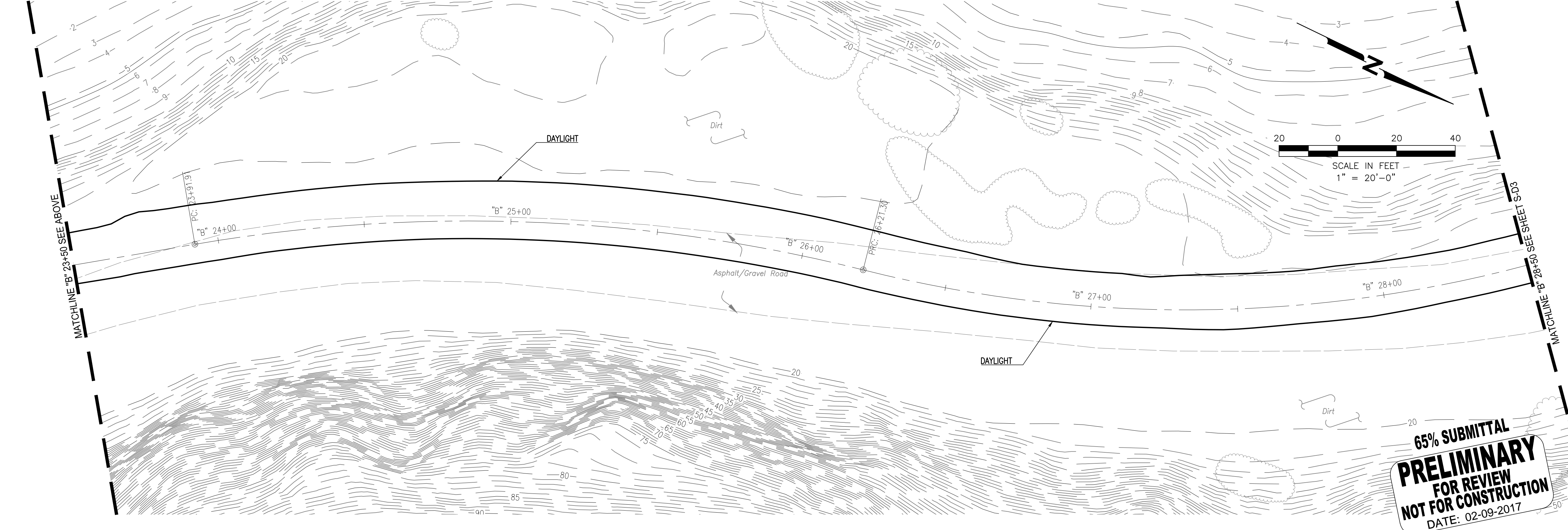
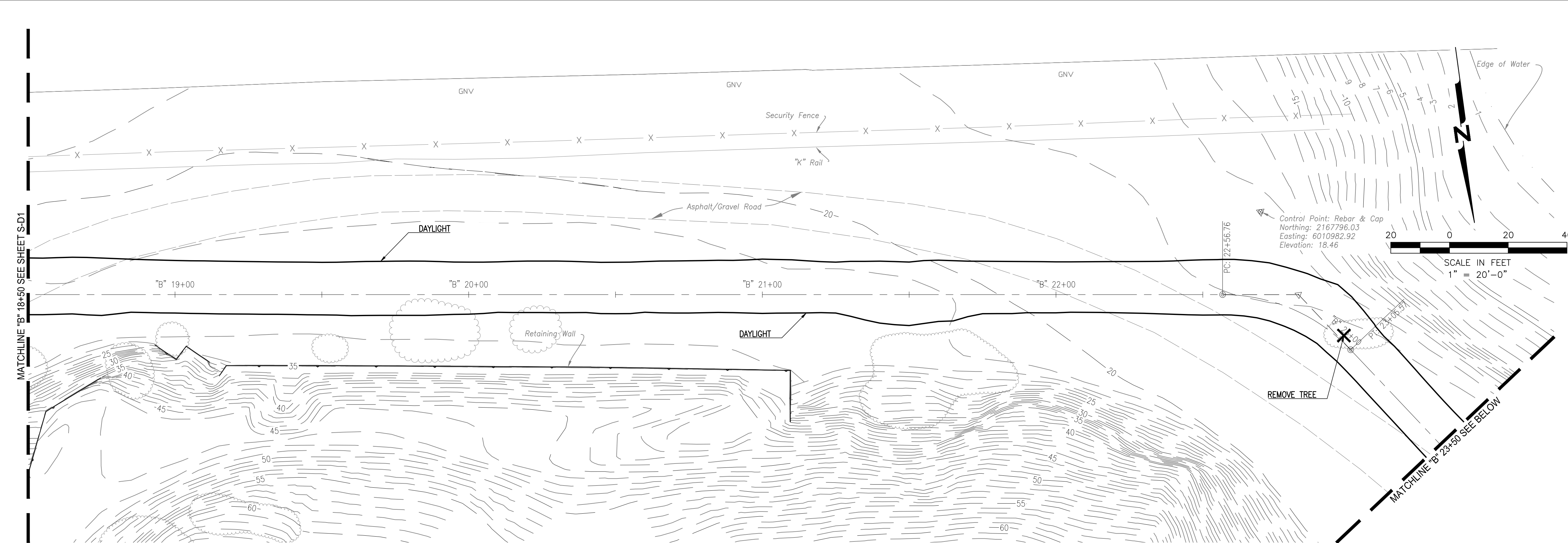


- NOTES:
1. CULTURAL RESOURCES KNOWN TO OCCUR IN THE VICINITY.
 2. EXCAVATION RELATED TO DEMOLITION WORK SHALL BE LIMITED TO THE DEPTH OF ASPHALT AND FILL ASSOCIATED WITH THE EXISTING ASPHALT ROAD.
 3. AVOID GROUND DISTURBANCE.



File: P:\active_projects\east_bay_regional_park_district - 02/09/2017 - bay trail segment a & b\04\Sheet\3-D1-S-D1_Site and Demolition.dwg | Layout: 3-D1 | Printed: Feb 09, 2017 @ 2:27pm | (11.0x17.0in) (US Units)

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**SAN FRANCISCO
 BAY TRAIL
 AT
 POINT MOLATE**

East Bay Regional Park District
 EAST BAY REGIONAL
 PARK DISTRICT
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION
-----	------	-------------

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

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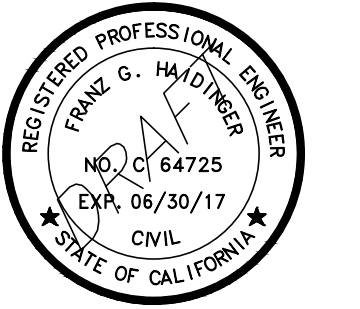
SHEET TITLE	
SITE AND DEMOLITION PLAN "B" 18+50 TO "B" 28+50	
DRAWING	S-D2
SHEET	8 OF 63

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**SAN FRANCISCO
 BAY TRAIL
 AT
 POINT MOLATE**

OWNER



**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

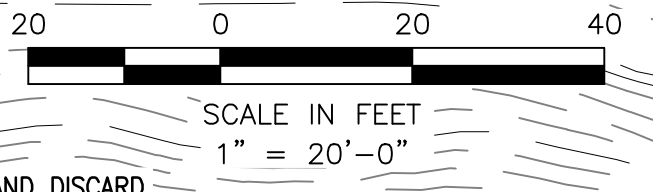
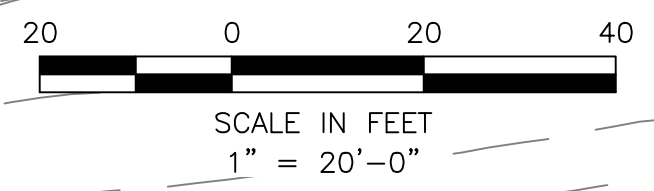
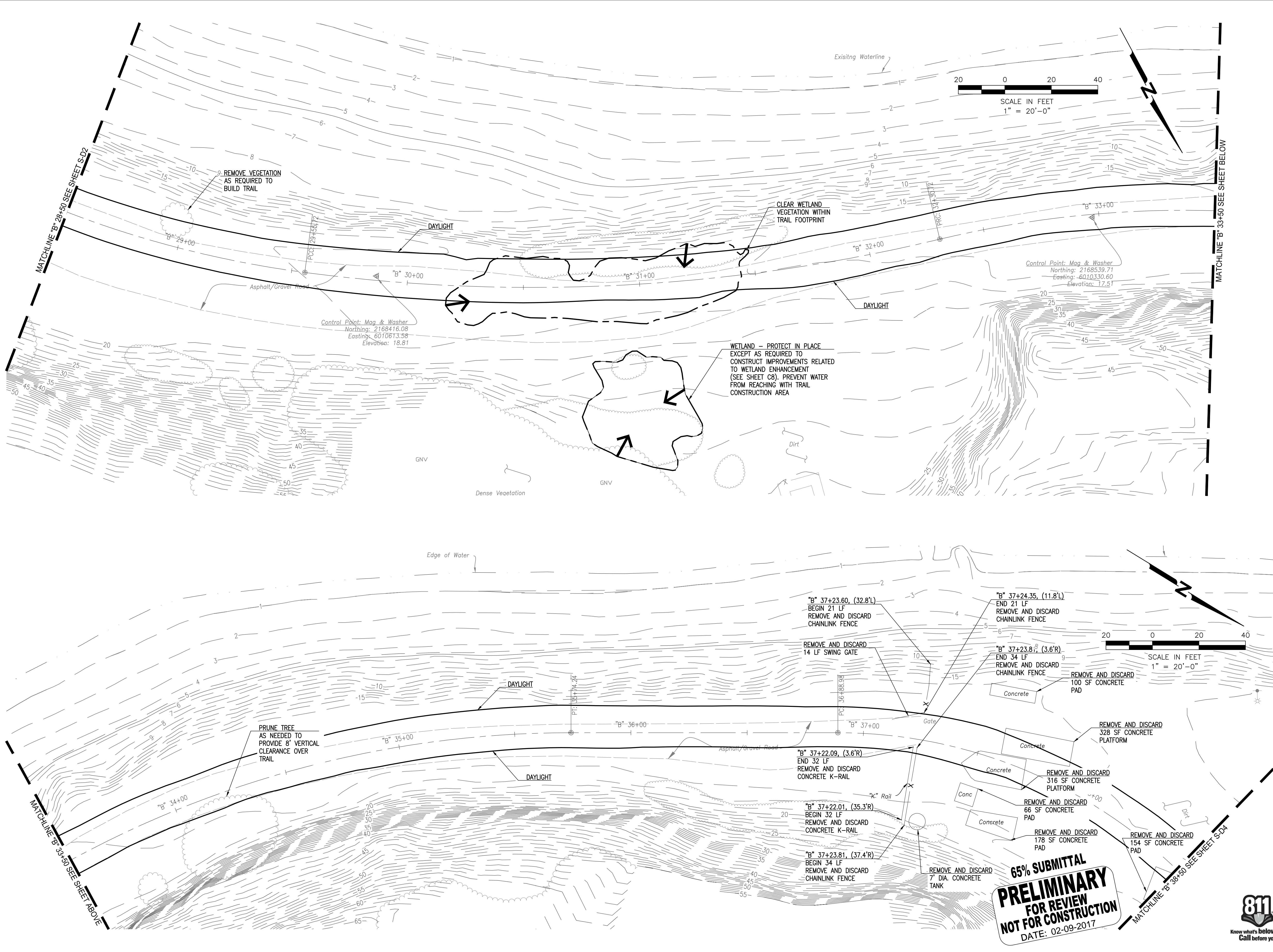
NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

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SHEET TITLE
**SITE AND DEMOLITION
 PLAN "B" 28+50 TO "B"
 38+50**

DRAWING
S-D3



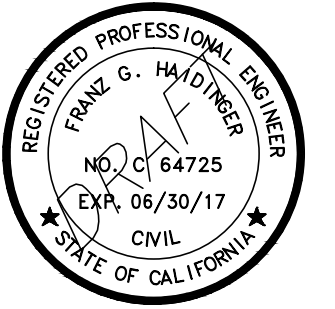
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**SAN FRANCISCO
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**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

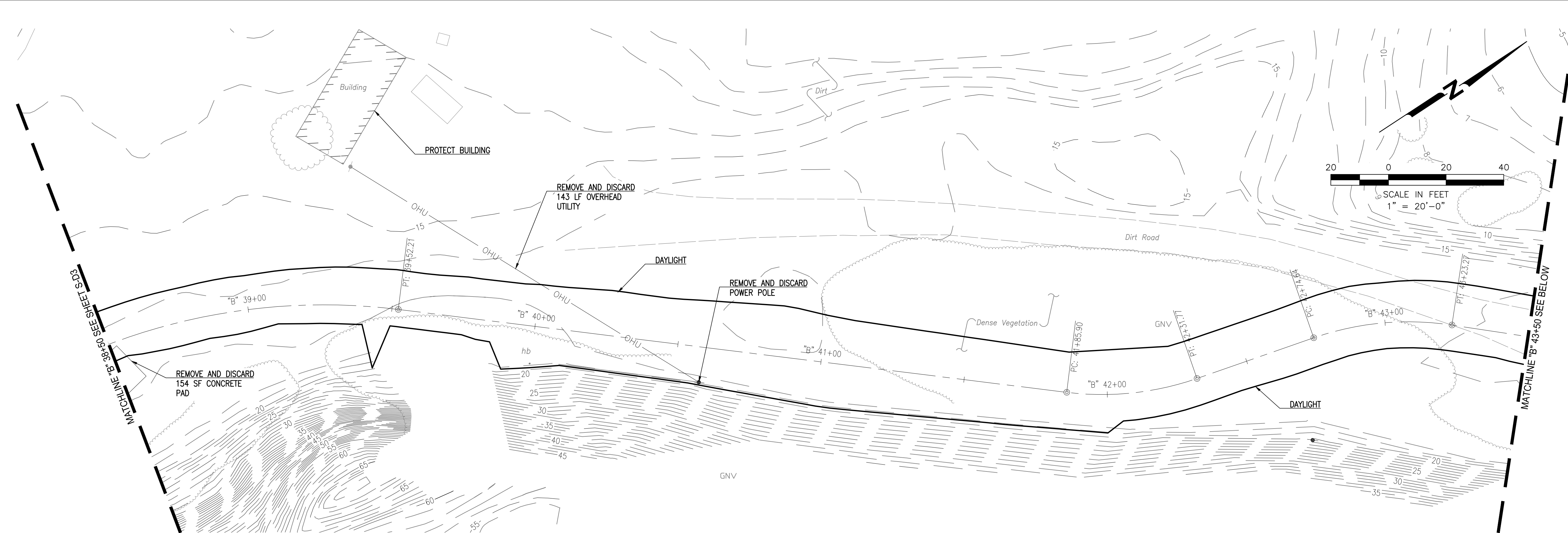
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SHEET TITLE

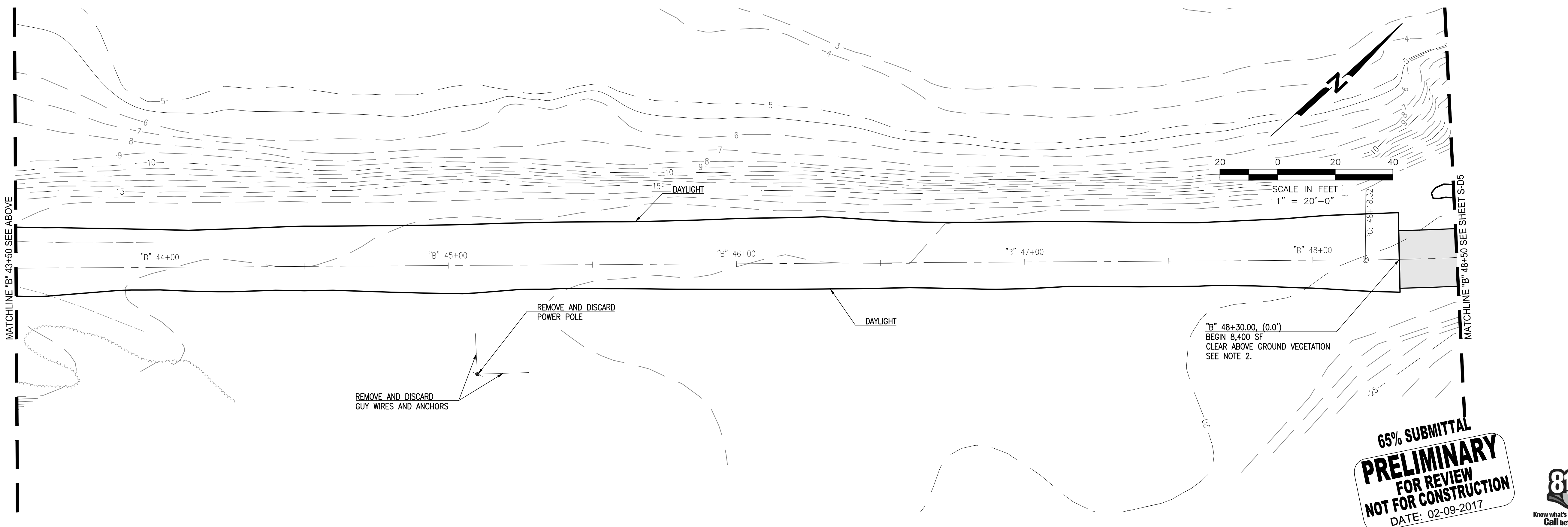
**SITE AND DEMOLITION
 PLAN "B" 38+50 TO "B"
 48+50**

DRAWING
S-D4

SHEET 10 OF 63



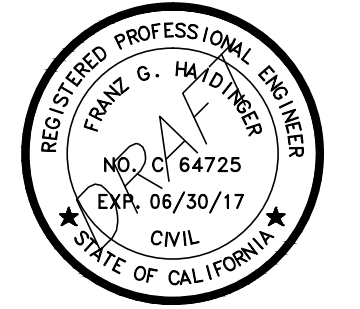
- NOTES:**
- RAILROAD TIES MAY EXIST BETWEEN "B" 41+00 AND 48+00 AND SHOULD BE REMOVED IF ENCOUNTERED.
 - CLEAR ABOVE GROUND VEGETATION AS NEEDED FOR CONSTRUCTION OF WOODEN BOARDWALK. SEE TRAIL GRADING AND IMPROVEMENT PLANS FOR BOARDWALK.



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File: P:\active_projects\east_bay_regional_park.dwg - e697569.dwg - by: tom.schmitt - 02-09-2017 2:27pm | P:\2016-2017 | 02-09-2017 2:27pm | P:\2016-2017 | 02-09-2017 2:27pm



SAN FRANCISCO
BAY TRAIL
AT
POINT MOLATE

OWNER



EAST BAY REGIONAL
PARK DISTRICT
2950 PERALTA OAKS CT,
OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

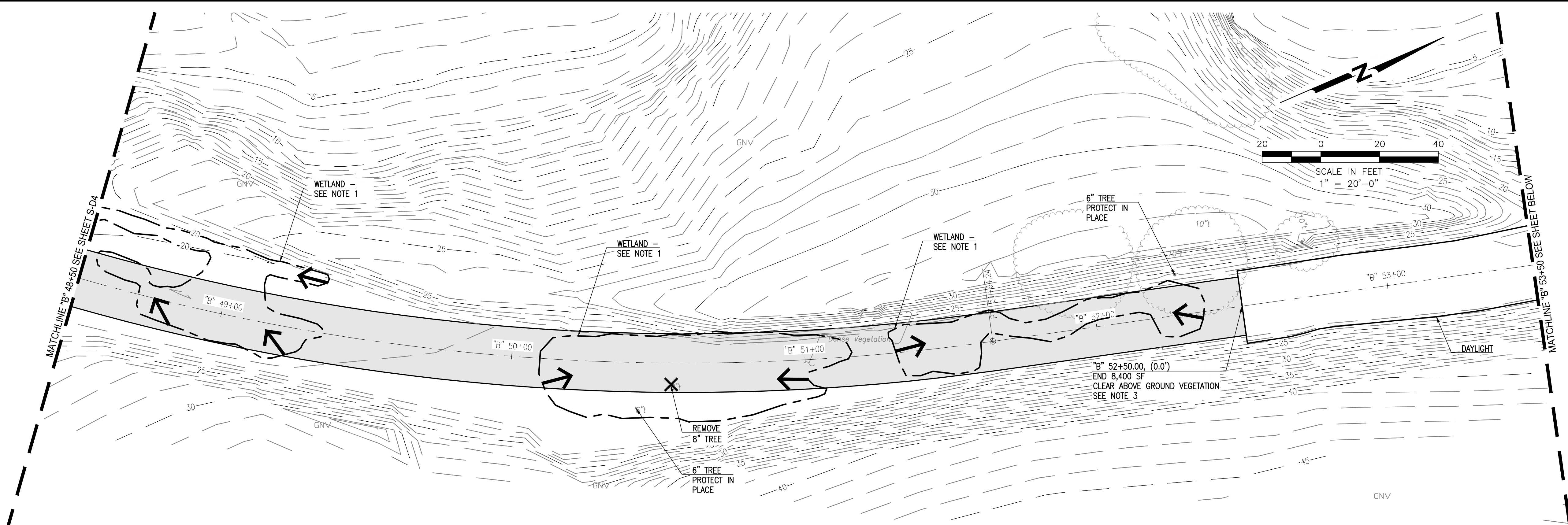
PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

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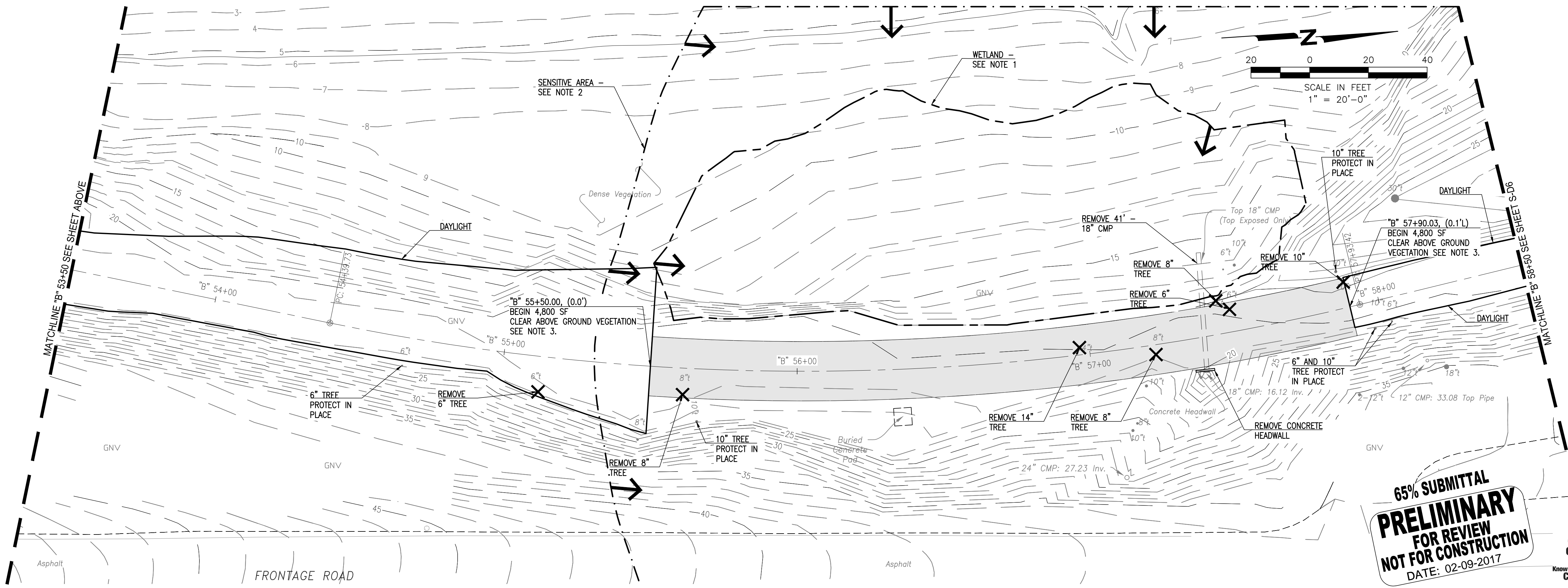
SHEET TITLE

SITE AND DEMOLITION
PLAN "B" 48+50 TO "B"
58+50

DRAWING
S-D5



- NOTES:**
1. A QUALIFIED BIOLOGIST SHALL CONDUCT A PRE-DISTURBANCE SURVEY NO MORE THAN 30 DAYS PRIOR TO GROUND DISTURBANCE TO AVOID IMPACTS TO NESTING BIRDS AND RAPTORS. TREES AND SHRUB REMOVAL IN WETLAND SHOULD BE LIMITED TO WHAT IS REQUIRED TO CONSTRUCT THE BOARDWALK. NO GRUBBING IS ALLOWED IN THE WETLAND AREAS. LIMBING AND PRUNING OF TREES SHOULD BE USED INSTEAD OF REMOVAL WHERE POSSIBLE.
 2. CULTURAL RESOURCES KNOWN TO EXIST IN THE VICINITY. ANY EXCAVATION SHOULD BE LIMITED TO A DEPTH OF TWO FEET OR DEPTH OF BALLAST IF PRESENT.
 3. CLEAR ABOVE GROUND VEGETATION AS NEEDED FOR CONSTRUCTION OF WOODEN BOARDWALK. SEE TRAIL GRADING AND IMPROVEMENT PLANS FOR BOARDWALK.



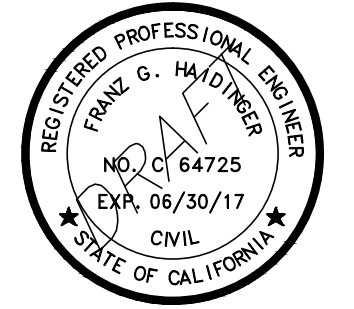
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DATE: 02-09-2017**



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 POINT MOLATE**

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**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
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CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

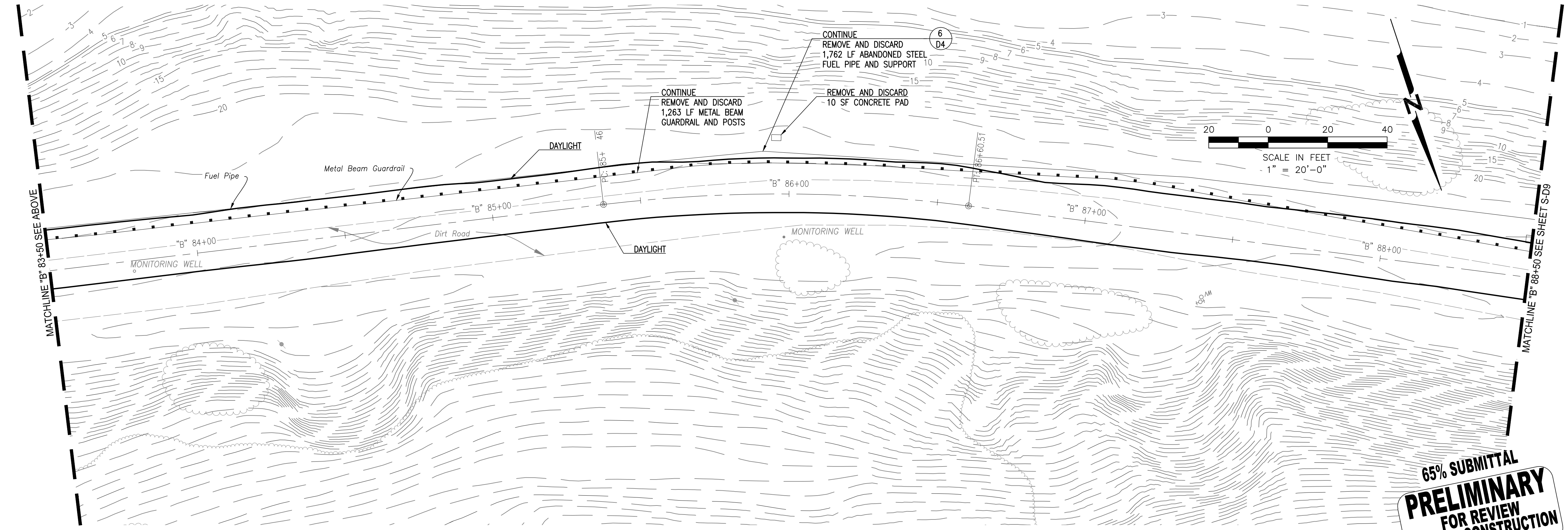
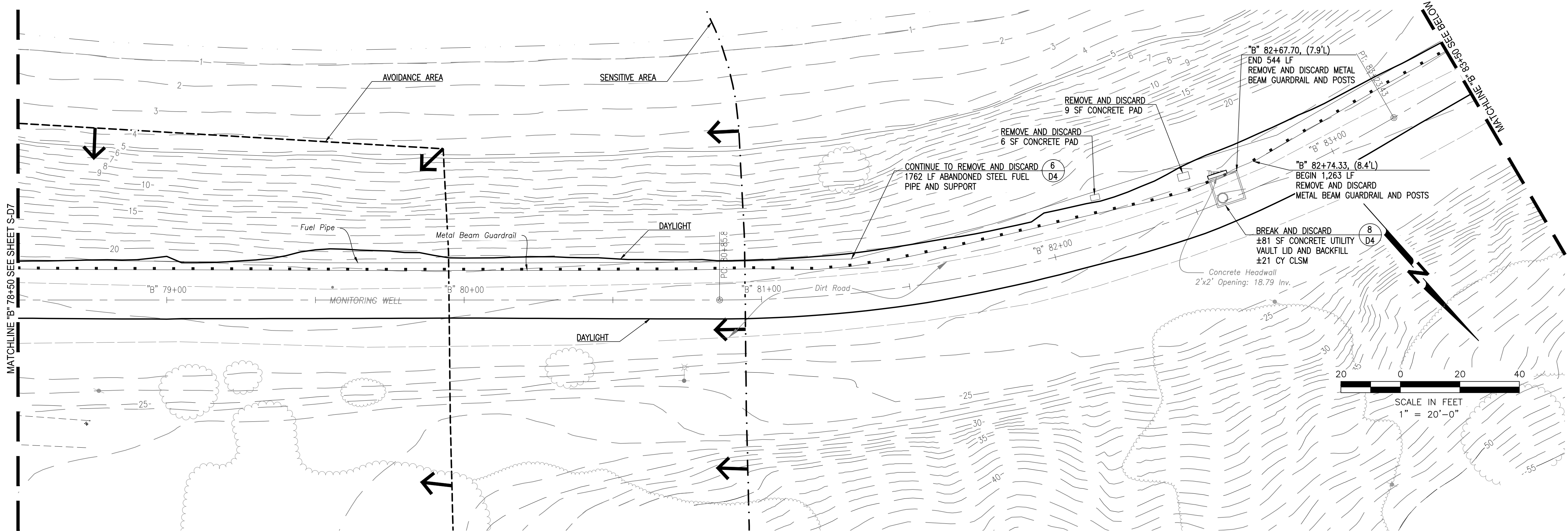
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SHEET TITLE

**SITE AND DEMOLITION
 PLAN "B" 78+50 TO "B"
 88+50**

DRAWING
S-D8

SHEET 14 OF 63



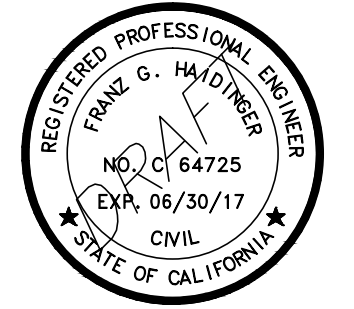
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 DATE: 02-09-2017**



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**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

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DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

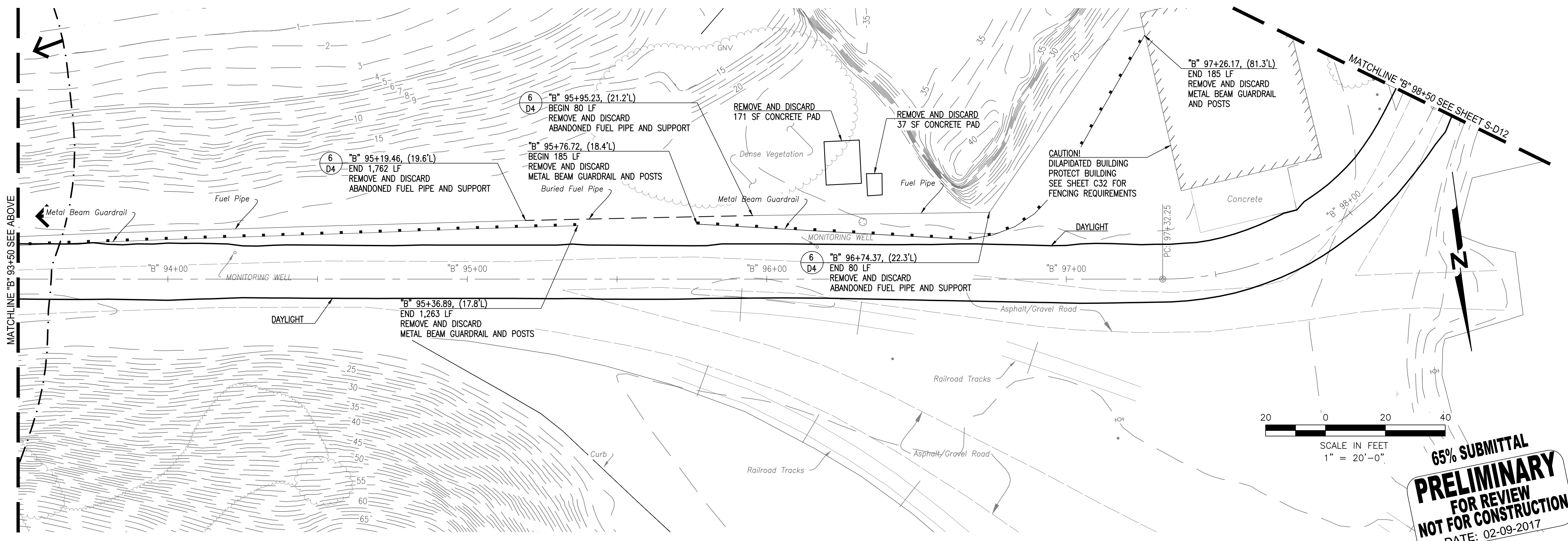
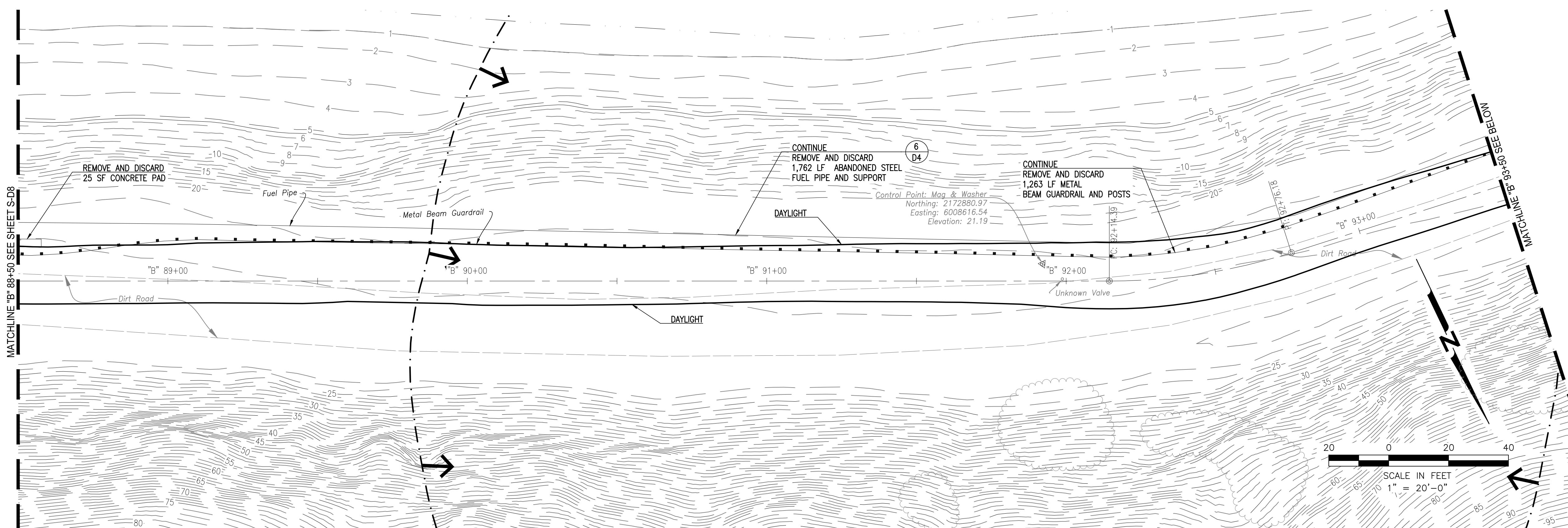
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SHEET TITLE

**SITE AND DEMOLITION
 PLAN "B" 88+50 TO "B"
 98+50**

DRAWING
S-D9

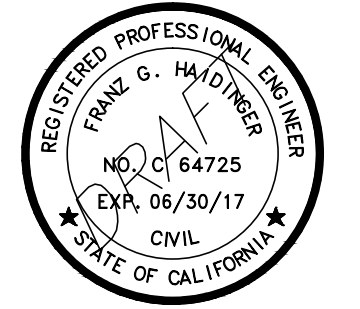
SHEET 15 OF 63



File: P:\active_projects\west_bay_regional_park.dwg - 2/9/2017 10:45:00 AM
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 Plot: 2/9/2017 10:45:00 AM
 Plot Device: HPGL2
 Plot Scale: 1" = 20'-0"
 Plot Orientation: Landscape
 Plot Range: Full
 Plot Color: Black
 Plot Lineweight: 0.5
 Plot Linetype: Solid
 Plot Font: Arial, 10
 Plot Title: SITE AND DEMOLITION PLAN "B" 88+50 TO "B" 98+50
 Plot Sheet: 15 OF 63
 Plot Date: 02-09-2017



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**SAN FRANCISCO
BAY TRAIL
AT
POINT MOLATE**

OWNER



**EAST BAY REGIONAL
PARK DISTRICT**
2950 PERALTA OAKS CT,
OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

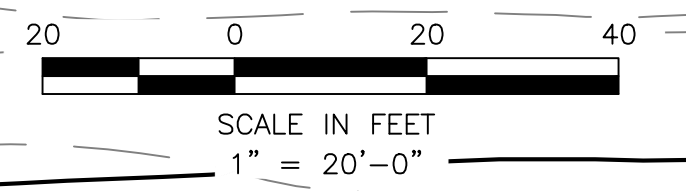
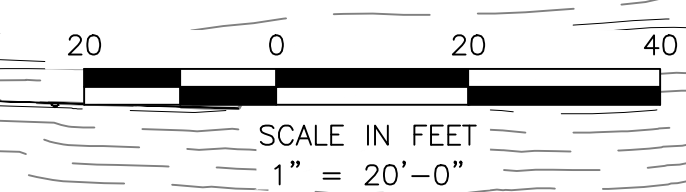
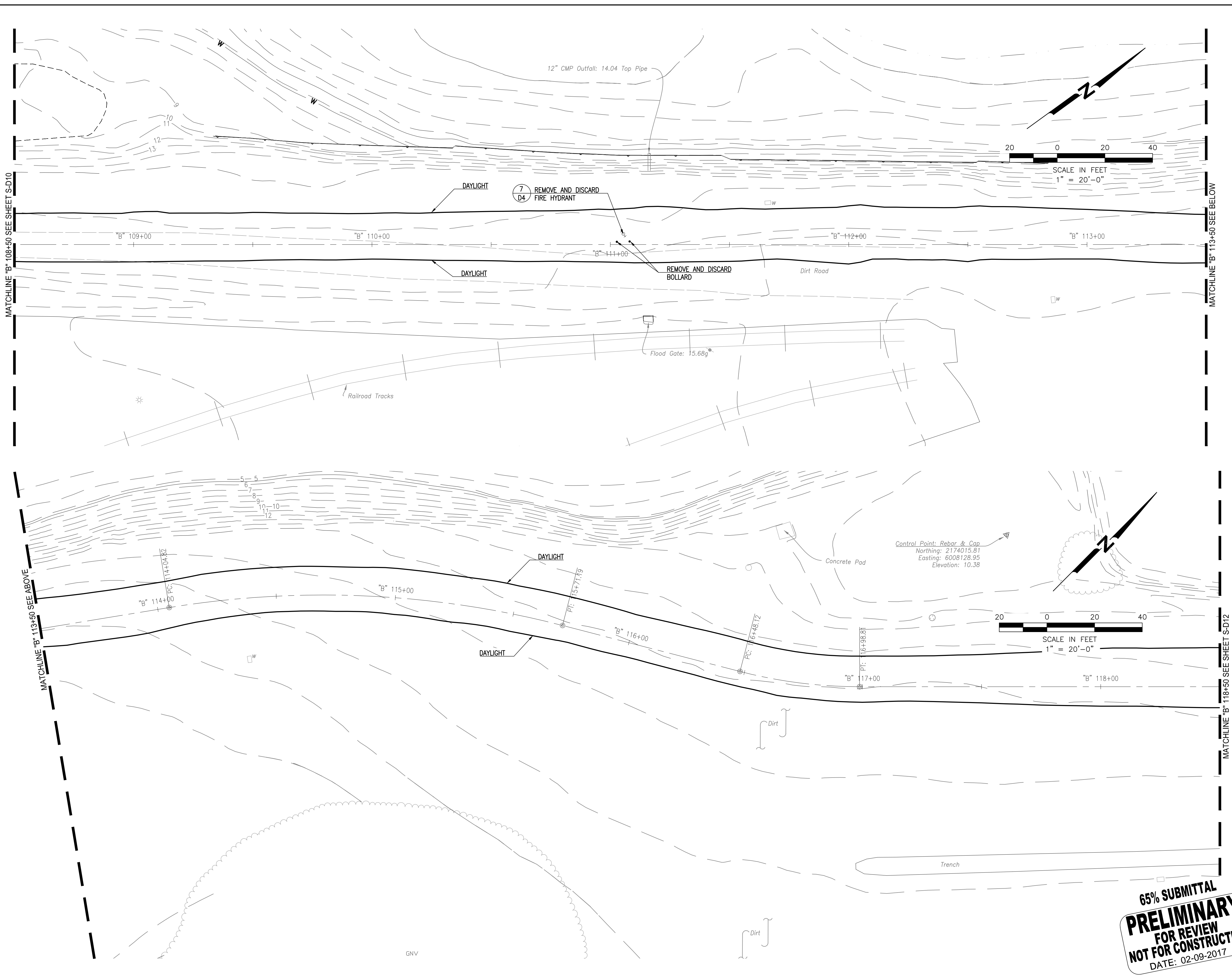
PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

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SHEET TITLE

**SITE AND DEMOLITION
PLAN "B" 108+50 TO "B"
118+50**

DRAWING
S-D11



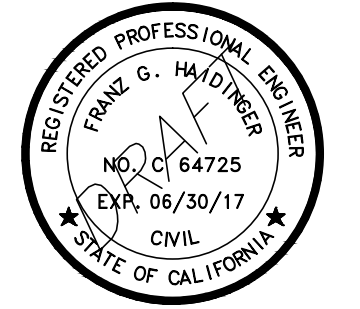
**65% SUBMITTAL
PRELIMINARY
FOR REVIEW
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DATE: 02-09-2017**



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**SAN FRANCISCO
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 POINT MOLATE**

OWNER



**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

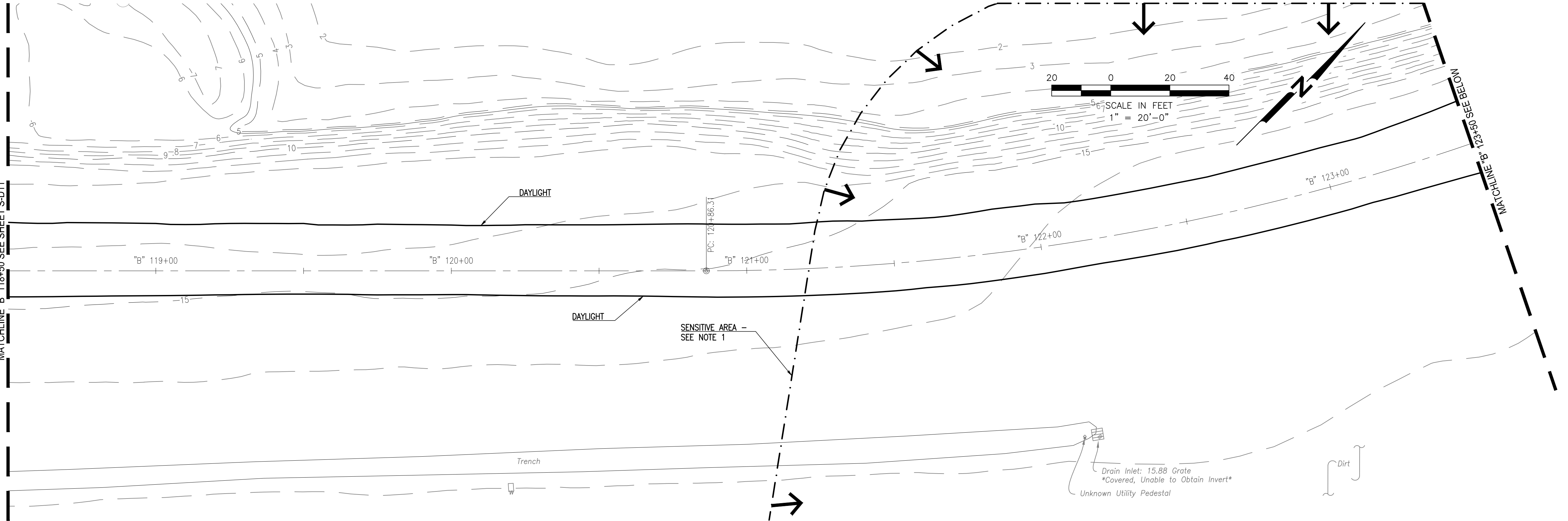
PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

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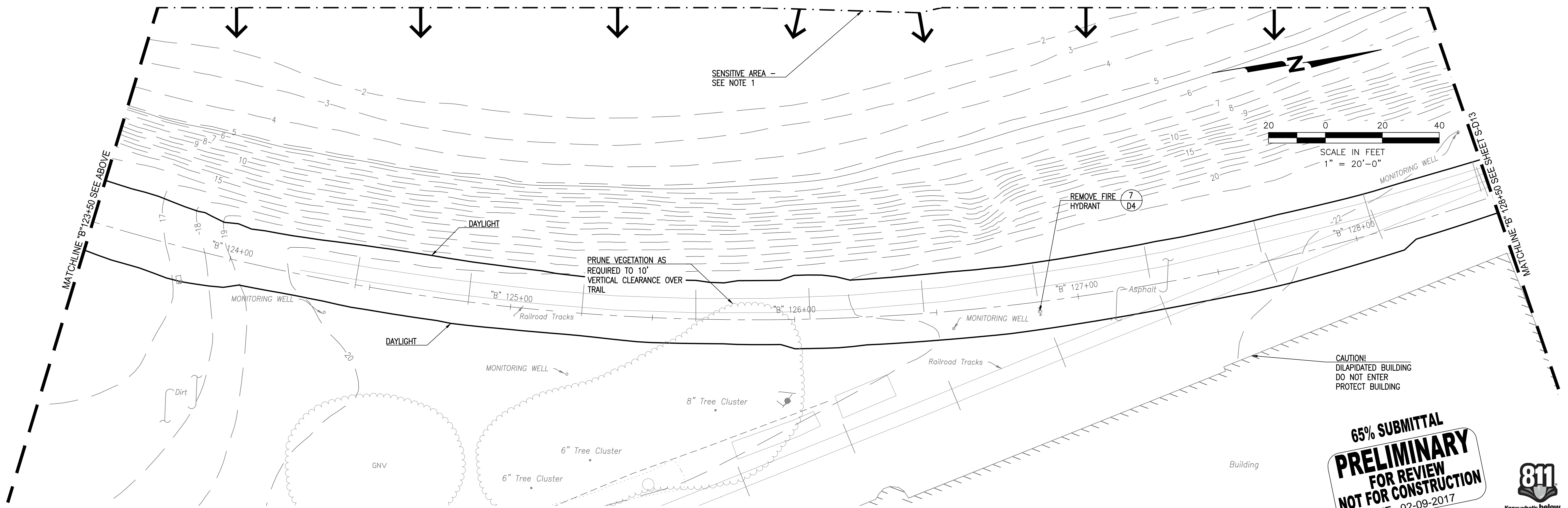
SHEET TITLE

**SITE AND DEMOLITION
 PLAN "B" 118+50 TO "B"
 128+50**

DRAWING
S-D12



NOTE:
 1. CONTRACTOR SHALL IMPLEMENT PROTOCOLS TO AVOID IMPACT TO THE WINEHAVEN HISTORIC DISTRICT, WHICH OCCURS WITHIN THIS VICINITY.



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File: P:\active_projects\east_bay_regional_park_district - 2017\sheet\18-S-D12_Site and Demolition.dwg | Layout: S-D12 | Printed: Feb 09, 2017 @ 2:29pm | 0.00 x 20.00 (US, Feet)



**SAN FRANCISCO
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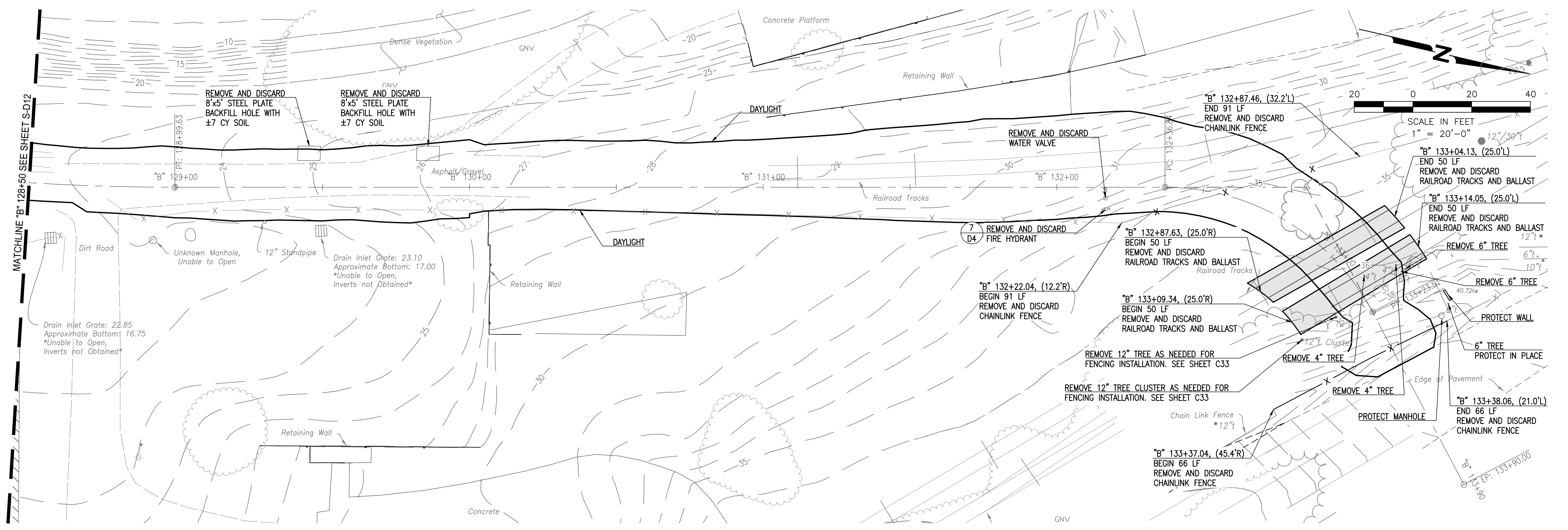
East Bay
 Regional Park District
**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO: 567.04.55
 DESIGNED BY: J.B.
 DRAWN BY: A.P., K.H., S.D.
 CHECKED BY: J.N. DATE: 01/23/2017
 DATE: 02/09/2017

SHEET TITLE
**SITE AND DEMOLITION
 PLAN "B" 128+50 TO "B"
 133+90**

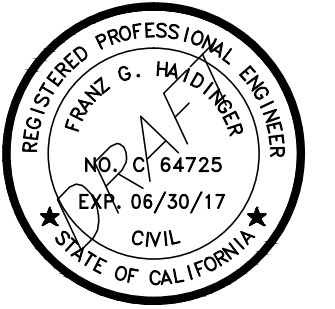
DRAWING
S-D13
 SHEET 19 OF 63



**65% SUBMITTAL
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 DATE: 02-09-2017**



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**SAN FRANCISCO
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OWNER



**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

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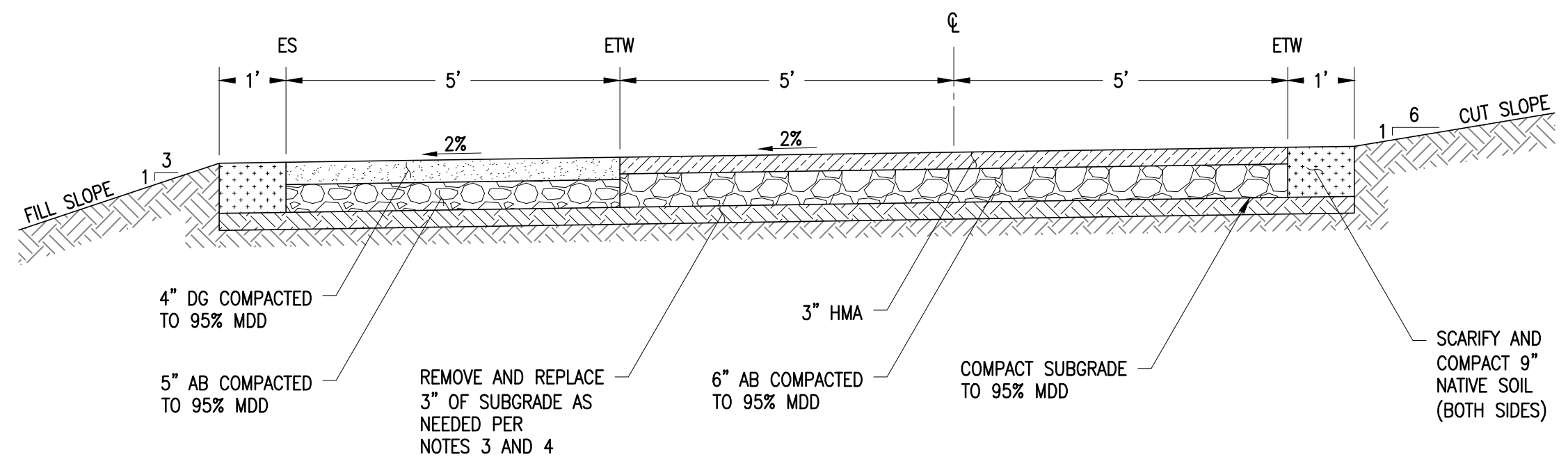
SHEET TITLE

TYPICAL TRAIL SECTION 1

DRAWING

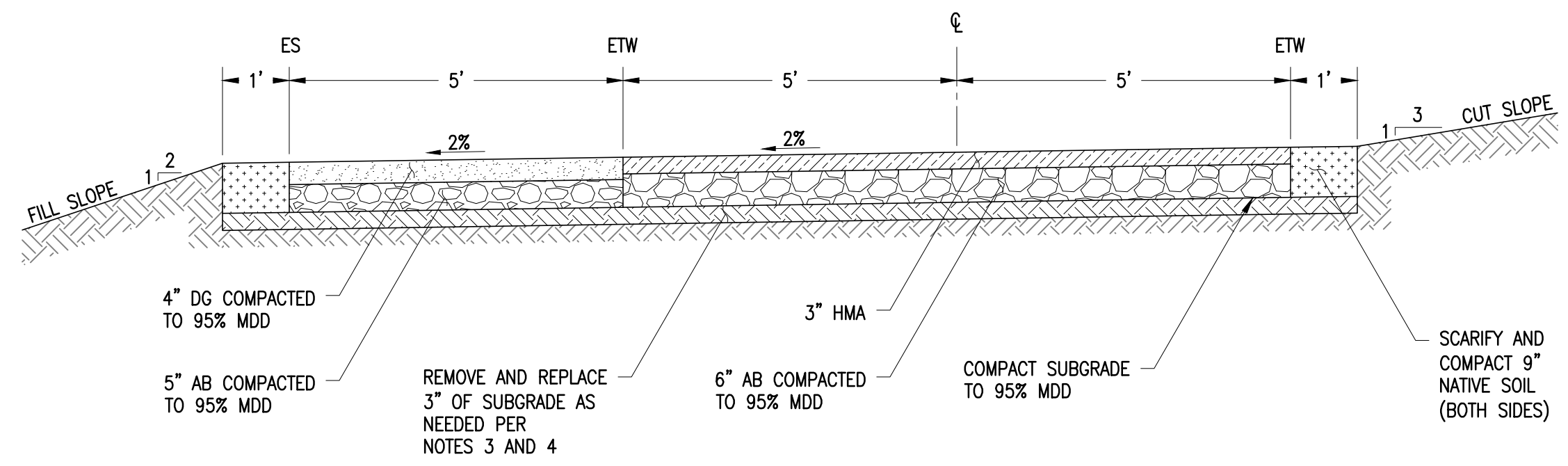
C1

SHEET 20 OF 63



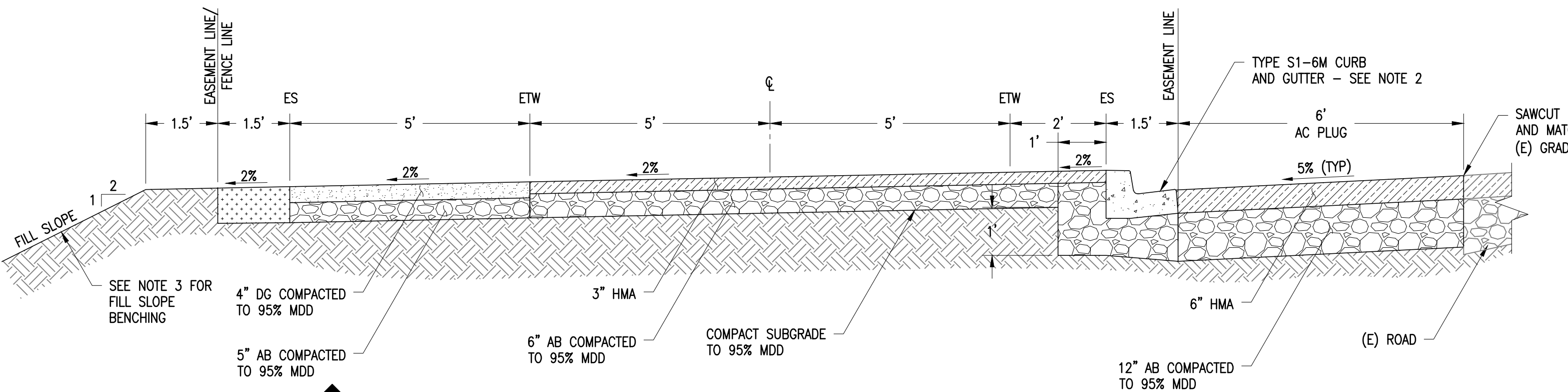
A
 C1
TYPICAL TRAIL SECTION
 N.T.S.

- NOTES:
- THIS TYPICAL SECTION APPLIES TO ALIGNMENT "B" 18+18.65 TO 33+00, 34+00 TO 48+30, 60+00 TO 62+46.47, 73+00 TO 79+00, 82+00 TO 100+00, 107+00 TO 124+00, AND 126+00 TO 130+00.
 - TYPICAL FILL SLOPES SHALL BE 3H:1V OR FLATTER.
 - TYPICAL CUT SLOPES SHALL BE 6H:1V OR FLATTER.
 - WHERE PROPOSED 15' WIDE TRAIL (ES TO ETW) OVERLAPS WITH EXISTING RAILROAD CORRIDOR, 3" OF SUBGRADE SHALL BE REMOVED AND REPLACED WITH CLEAN FILL, OR NATIVE SOIL WHICH DID NOT ORIGINATE FROM A RAILROAD CORRIDOR AND THEN COMPACTED TO 95% MDD PRIOR TO PLACEMENT OF AB.
 - SUBGRADE MATERIAL REMOVED PER NOTE 3 MAY BE USED AS FILL MATERIAL OUTSIDE OF THE 15' WIDE TRAIL (ES TO ETW) OR AS FILL MATERIAL BENEATH THE TRAIL CORRIDOR SO LONG AS IT IS AT LEAST 12" BELOW FINISHED GRADE.



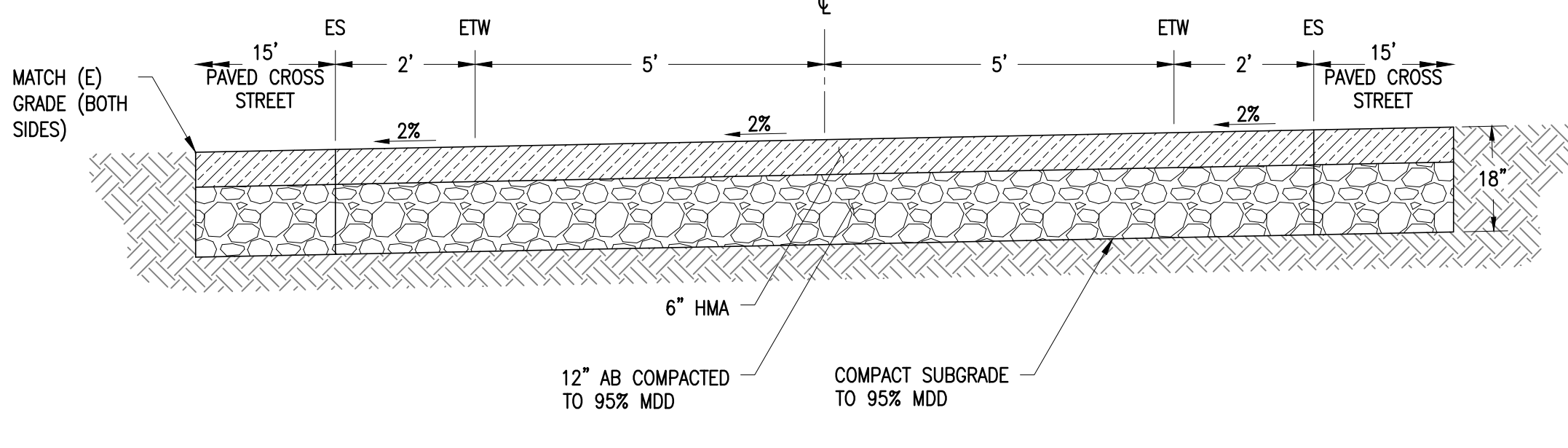
B
 C1
TYPICAL NARROW TRAIL SECTION
 N.T.S.

- NOTES:
- THIS TYPICAL SECTION APPLIES TO ALIGNMENT "B" 33+00 TO 34+00, 52+50 TO 55+50, 57+90 TO 60+00, 79+00 TO 82+00, 100+00 TO 107+00, 124+00 TO 126+00, AND 130+00 TO 133+43.84.
 - TYPICAL FILL SLOPES SHALL BE 2H:1V OR FLATTER.
 - TYPICAL CUT SLOPES SHALL BE 3H:1V OR FLATTER AND SHALL NOT EXCEED 2H:1V MAXIMUM.
 - WHERE PROPOSED 15' WIDE TRAIL (ES TO ETW) OVERLAPS WITH EXISTING RAILROAD CORRIDOR, 3" OF SUBGRADE SHALL BE REMOVED AND REPLACED WITH CLEAN FILL, OR NATIVE SOIL WHICH DID NOT ORIGINATE FROM A RAILROAD CORRIDOR AND THEN COMPACTED TO 95% MDD PRIOR TO PLACEMENT OF AB.
 - SUBGRADE MATERIAL REMOVED PER NOTE 3 MAY BE USED AS FILL MATERIAL OUTSIDE OF THE 15' WIDE TRAIL (ES TO ETW) OR AS FILL MATERIAL BENEATH THE TRAIL CORRIDOR SO LONG AS IT IS AT LEAST 12" BELOW FINISHED GRADE.



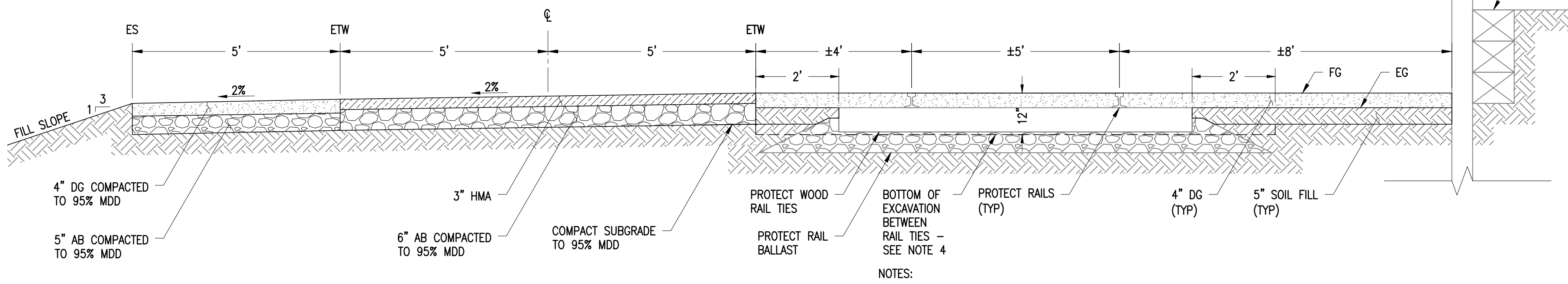
C
 C1
**TYPICAL TRAIL SECTION
 (CHEVRON DRAINAGE BASIN)**
 N.T.S.

- NOTES:
- THIS TYPICAL SECTION APPLIES TO ALIGNMENT "B" 10+00 TO 17+36.95.
 - FOR TYPE S1-6M CURB AND GUTTER DIMENSIONS SEE CONTRA COSTA COUNTY STANDARD PLAN CA71 "MEDIAN, CURB AND HMA DIKE DETAILS".
 - FILL SLOPE BETWEEN "B" 10+10 AND "B" 12+40 TO BE CONSTRUCTED PER CROSS SECTION A/C2 "TYPICAL BENCHING SECTION".
 - SEE FENCING PLANS FOR FENCING INSTALLATION.



D
 C1
**TYPICAL TRAIL SECTION
 (AT ROAD INTERSECTION)**
 N.T.S.

NOTE: THIS TYPICAL SECTION APPLIES TO ALIGNMENT "B" 17+36.95 TO 18+18.65. SEE PLANS FOR EXACT INTERSECTION LAYOUT.



E
 C1
**TYPICAL TRAIL SECTION
 (POINT MOLATE BEACH PARK)**
 N.T.S.

- NOTES:
- THIS TYPICAL SECTION APPLIES TO ALIGNMENT "B" 62+46.47 TO 71+00.
 - TYPICAL FILL SLOPES SHALL BE 3H:1V OR FLATTER.
 - TOP OF DG FG TO BE SLOPED 2% NOMINAL OR 5% MAX.
 - EXCAVATE BETWEEN TIES OVER LENGTH OF TIE TO ALLOW FOR PLACEMENT OF 12" OF CLEAN SOIL INCLUDING 4" DG.

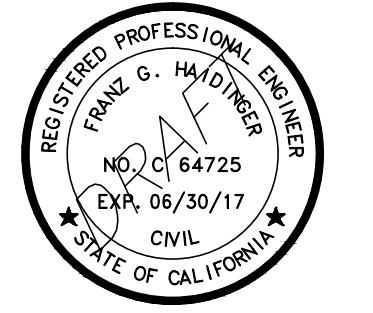
**65% SUBMITTAL
 PRELIMINARY
 FOR REVIEW
 NOT FOR CONSTRUCTION
 DATE: 02-09-2017**



File: P:\active_projects\east_bay_regional_park_district - 02/09/2017 - 02:28pm - 10:45:20:05 (Auto) (1).dwg
 User: jhalverson
 Plot: 02/09/2017 10:45:20:05 (Auto) (1).dwt
 Plot Device: HP DesignJet 500



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**SAN FRANCISCO
BAY TRAIL
AT
POINT MOLATE**

OWNER



**EAST BAY REGIONAL
PARK DISTRICT**
2950 PERALTA OAKS CT,
OAKLAND, CA 94605

NO.	DATE	DESCRIPTION
-----	------	-------------

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

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SHEET TITLE

**TYPICAL TRAIL
SECTION 2**

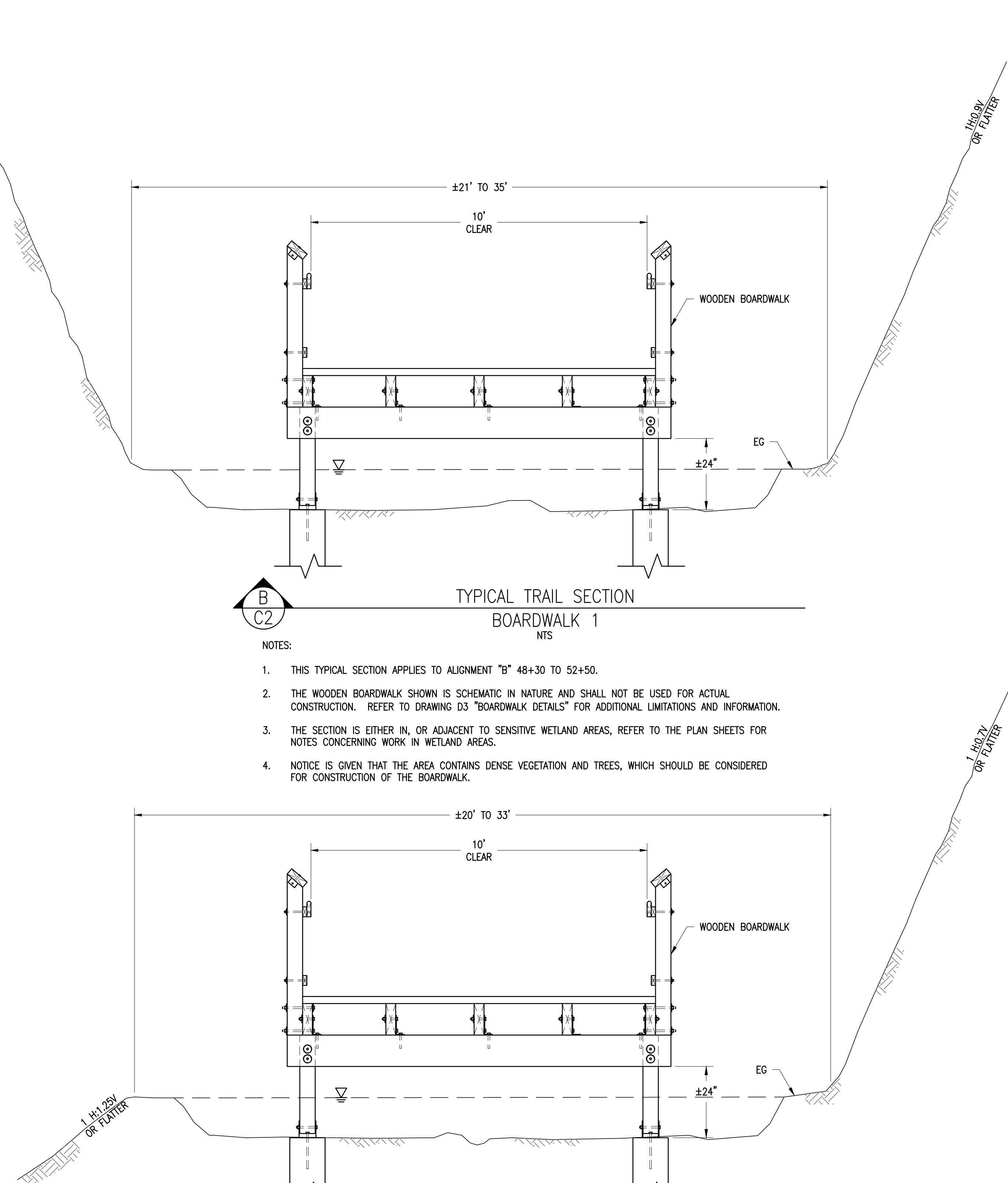
DRAWING

C2

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DATE: 02-09-2017**



Know what's below.
Call before you dig.



A
C2
TYPICAL BENCHING SECTION
(CHEVRON DRAINAGE BASIN)
NTS

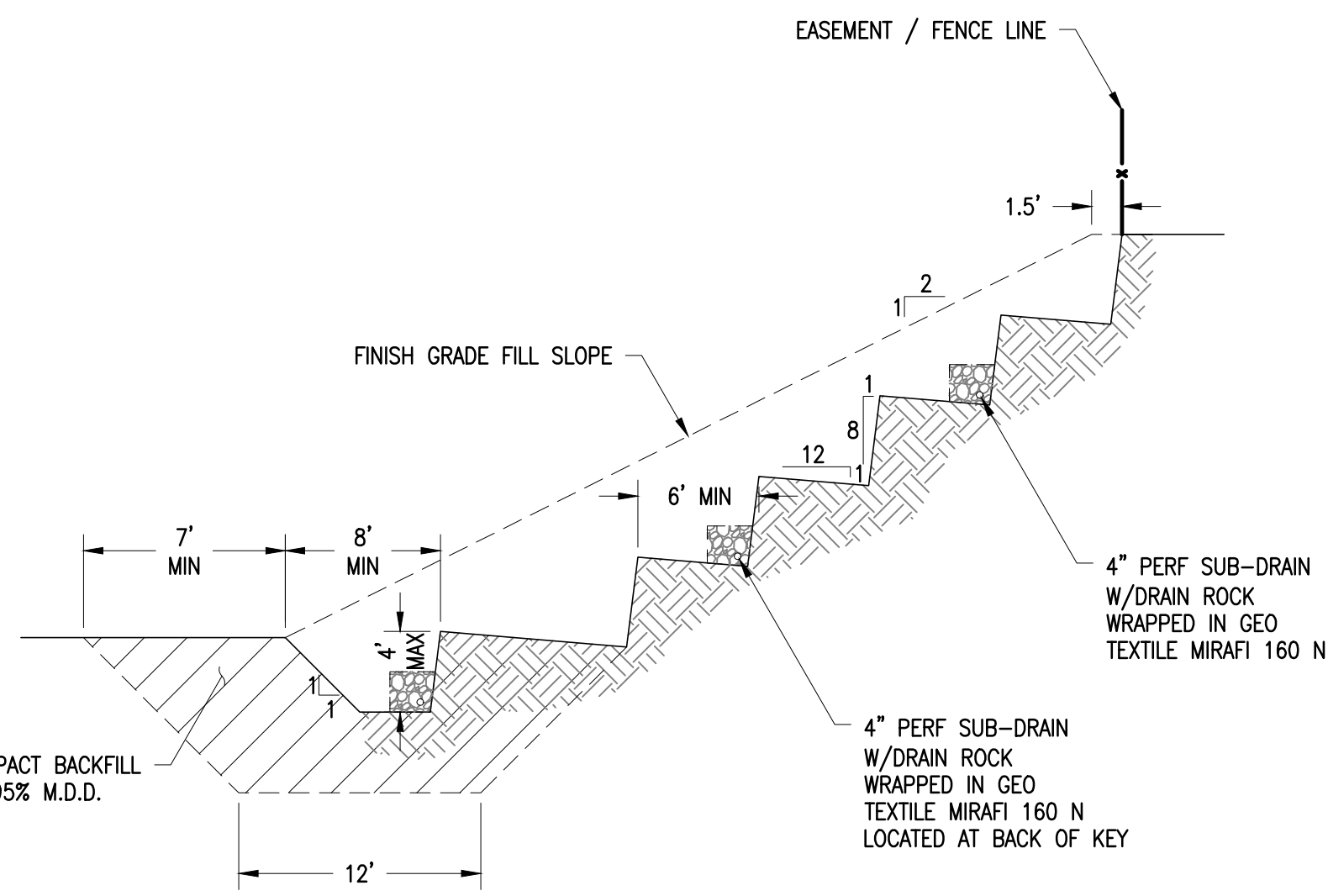
- NOTES:
1. TO BE COMPLETED IN THE SUBSEQUENT SUBMITTAL.

B
C2
TYPICAL TRAIL SECTION
BOARDWALK 1
NTS

- NOTES:
1. THIS TYPICAL SECTION APPLIES TO ALIGNMENT "B" 48+30 TO 52+50.
2. THE WOODEN BOARDWALK SHOWN IS SCHEMATIC IN NATURE AND SHALL NOT BE USED FOR ACTUAL CONSTRUCTION. REFER TO DRAWING D3 "BOARDWALK DETAILS" FOR ADDITIONAL LIMITATIONS AND INFORMATION.
3. THE SECTION IS EITHER IN, OR ADJACENT TO SENSITIVE WETLAND AREAS, REFER TO THE PLAN SHEETS FOR NOTES CONCERNING WORK IN WETLAND AREAS.
4. NOTICE IS GIVEN THAT THE AREA CONTAINS DENSE VEGETATION AND TREES, WHICH SHOULD BE CONSIDERED FOR CONSTRUCTION OF THE BOARDWALK.

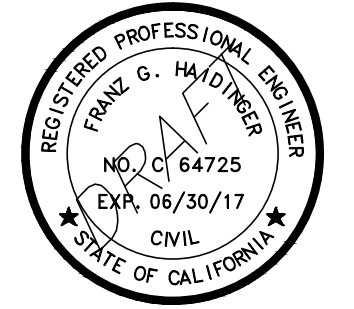
C
C2
TYPICAL TRAIL SECTION
BOARDWALK 2
NTS

- NOTES:
1. THIS TYPICAL SECTION APPLIES TO ALIGNMENT "B" 55+50 TO 57+90.
2. THE WOODEN BOARDWALK SHOWN IS SCHEMATIC IN NATURE AND SHALL NOT BE USED FOR ACTUAL CONSTRUCTION. REFER TO DRAWING D3 "BOARDWALK DETAILS" FOR ADDITIONAL LIMITATIONS AND INFORMATION.
3. THE SECTION IS EITHER IN, OR ADJACENT TO A SENSITIVE WETLAND AREA, REFER TO THE PLAN SHEETS FOR NOTES CONCERNING WORK IN THE WETLAND AREA.
4. NOTICE IS GIVEN THAT THE AREA CONTAINS DENSE VEGETATION AND TREES, WHICH SHOULD BE CONSIDERED FOR CONSTRUCTION OF THE BOARDWALK.





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**SAN FRANCISCO
 BAY TRAIL
 AT
 POINT MOLATE**

OWNER



**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

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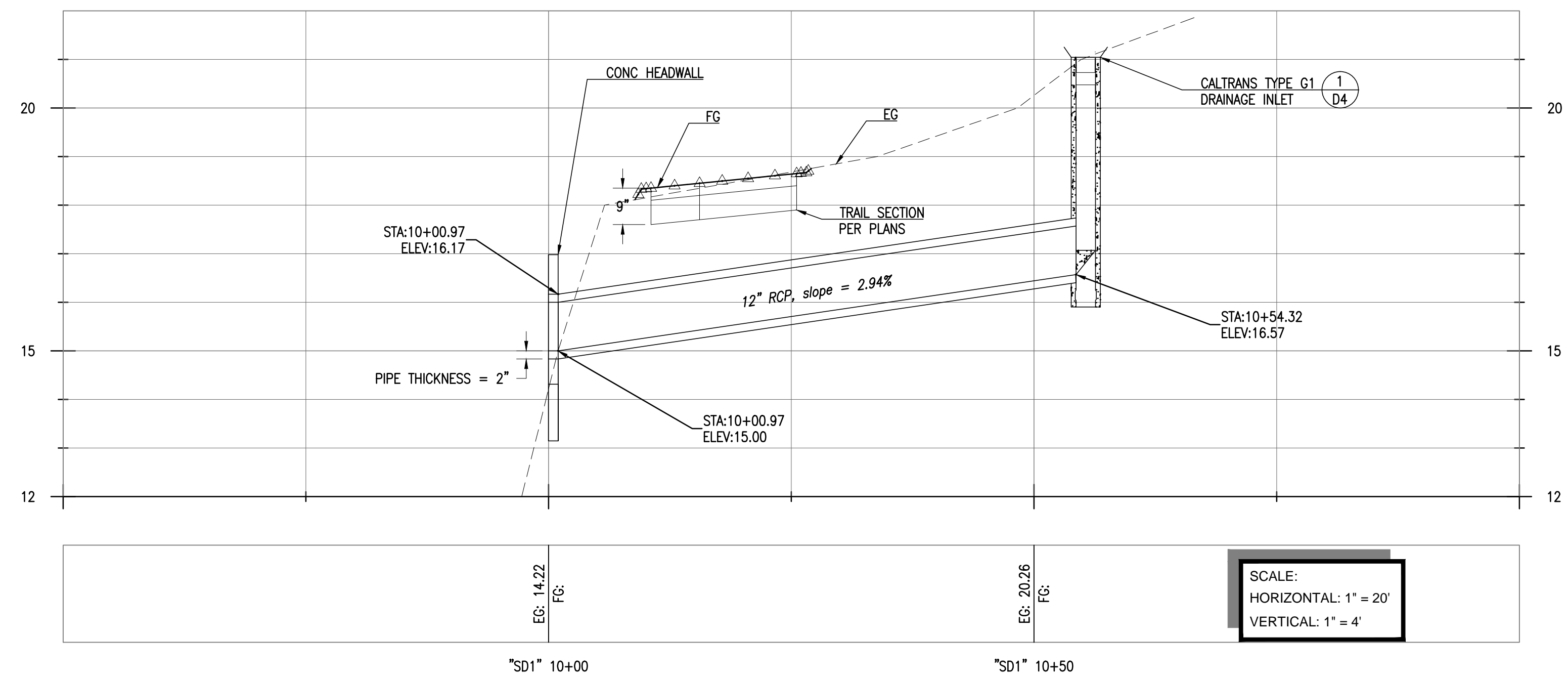
SHEET TITLE

**DRAINAGE
 IMPROVEMENTS**

DRAWING

C3

SHEET 22 OF 63



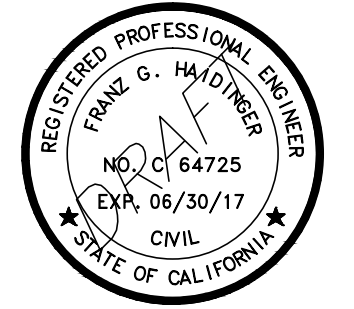
SCALE:
 HORIZONTAL: 1" = 20'
 VERTICAL: 1" = 4'

1
 C3 — WETLAND OVERFLOW DRAIN PIPE

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File: P:\active_projects\east_bay_regional_park_district - 65% Submittal\65% Submittal.dwg - 2/9/2017 2:28pm | 10/12/2016 (10/12/2016) | Layout: C3 | Printed: Feb 09, 2017 @ 2:28pm | 10/12/2016 (10/12/2016)



SAN FRANCISCO
BAY TRAIL
AT
POINT MOLATE

OWNER



EAST BAY REGIONAL
PARK DISTRICT
2950 PERALTA OAKS CT,
OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO: 567.04.55

DESIGNED BY: J.B.

DRAWN BY: A.P., K.H., S.D.

CHECKED BY: J.N. DATE: 01/23/2017

DATE: 02/09/2017

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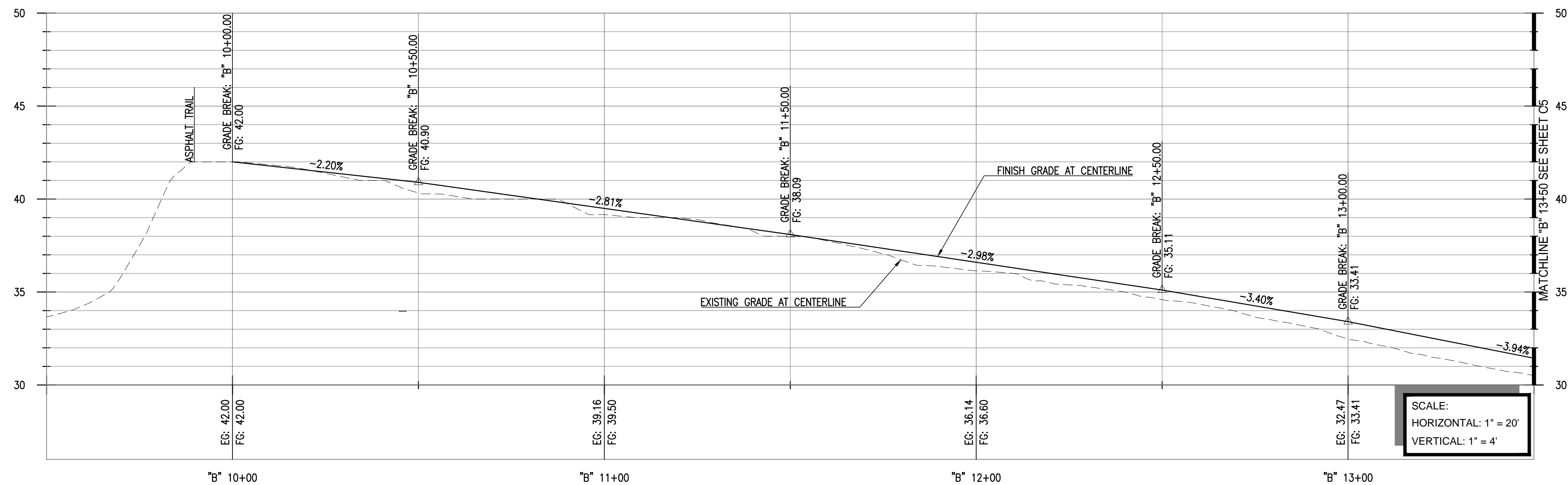
SHEET TITLE

TRAIL GRADING PLAN
AND PROFILE "B" 10+00
TO "B" 13+50

DRAWING

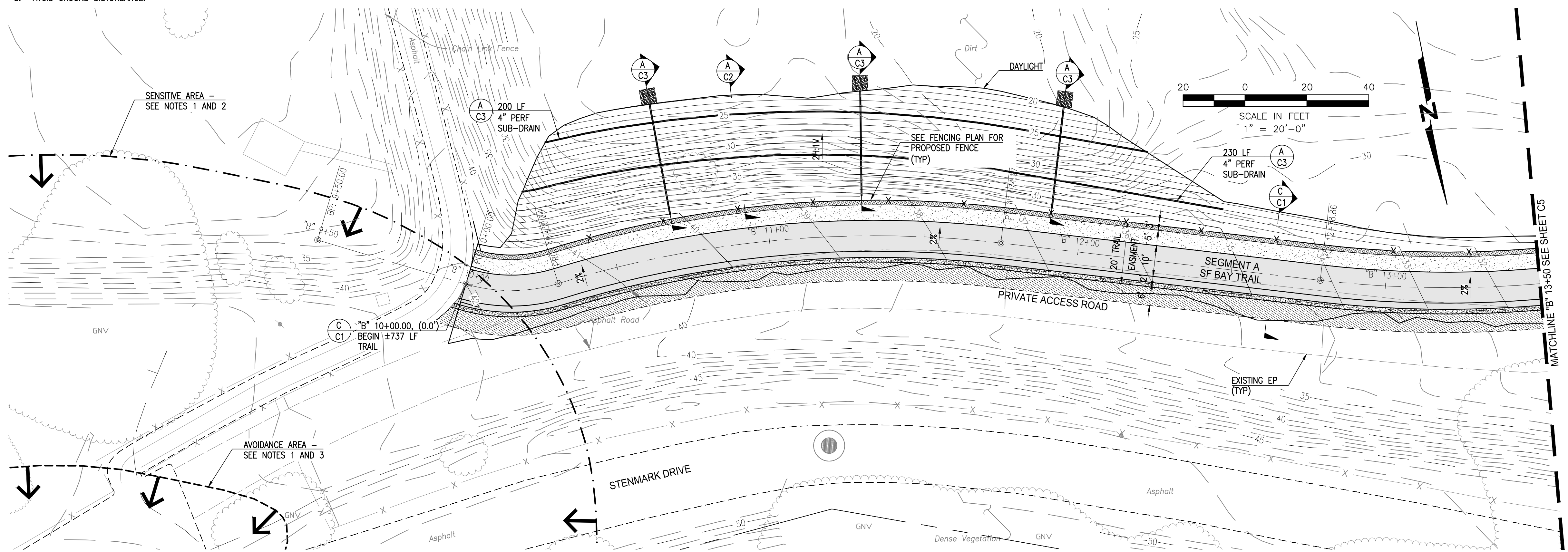
C4

SHEET 23 OF 63



SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 4'

- NOTES:
- CULTURAL RESOURCES KNOWN TO OCCUR IN THE VICINITY.
 - EXCAVATION RELATED TO GRADING AND TRAIL IMPROVEMENTS SHALL BE LIMITED TO THE DEPTH OF ASPHALT AND FILL ASSOCIATED WITH THE EXISTING ASPHALT ROAD.
 - AVOID GROUND DISTURBANCE.



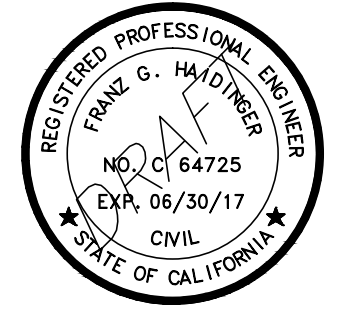
- NOTE TO REVIEWER:
- GEOTECHNICAL INVESTIGATIONS FOR THE DESIGN OF THE 2H:1V FILL SLOPE BETWEEN "B" 10+00 AND "B" 12+50 WILL BE COMPLETED PRIOR TO FINAL DESIGN.
 - THE INTERSECTION CONNECTING THE START OF THE PROPOSED TRAIL AT "B" 10+00 WITH THE EXISTING BICYCLE TRAIL IS PENDING DUE TO EXPECTED CHANGES OCCURRING AS PART OF THE BATA BICYCLE TRAIL ENHANCEMENTS.

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DATE: 02-09-2017





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**SAN FRANCISCO
 BAY TRAIL
 AT
 POINT MOLATE**

OWNER



**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

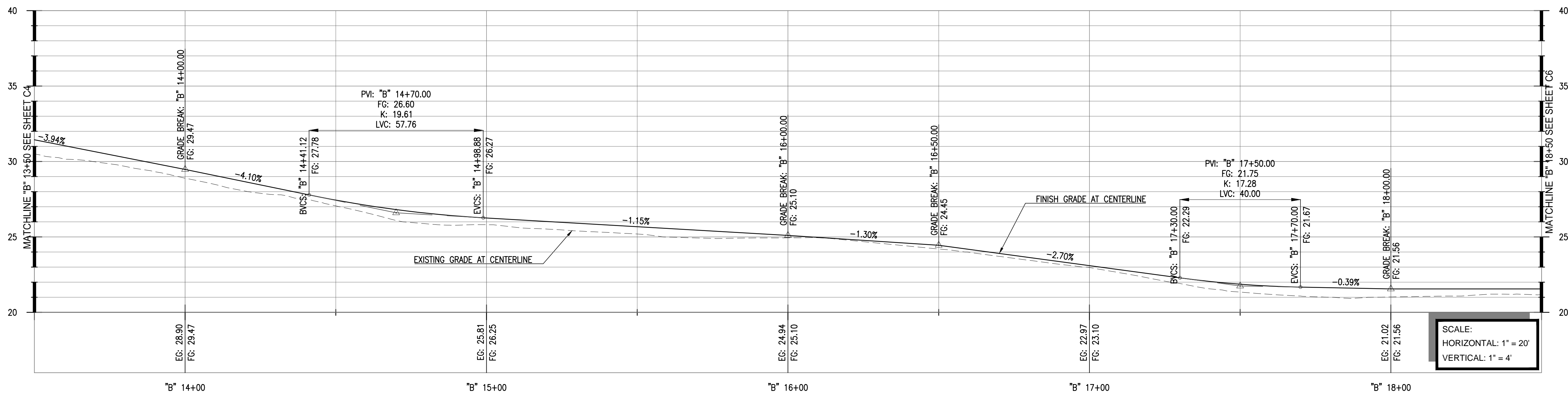
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SHEET TITLE

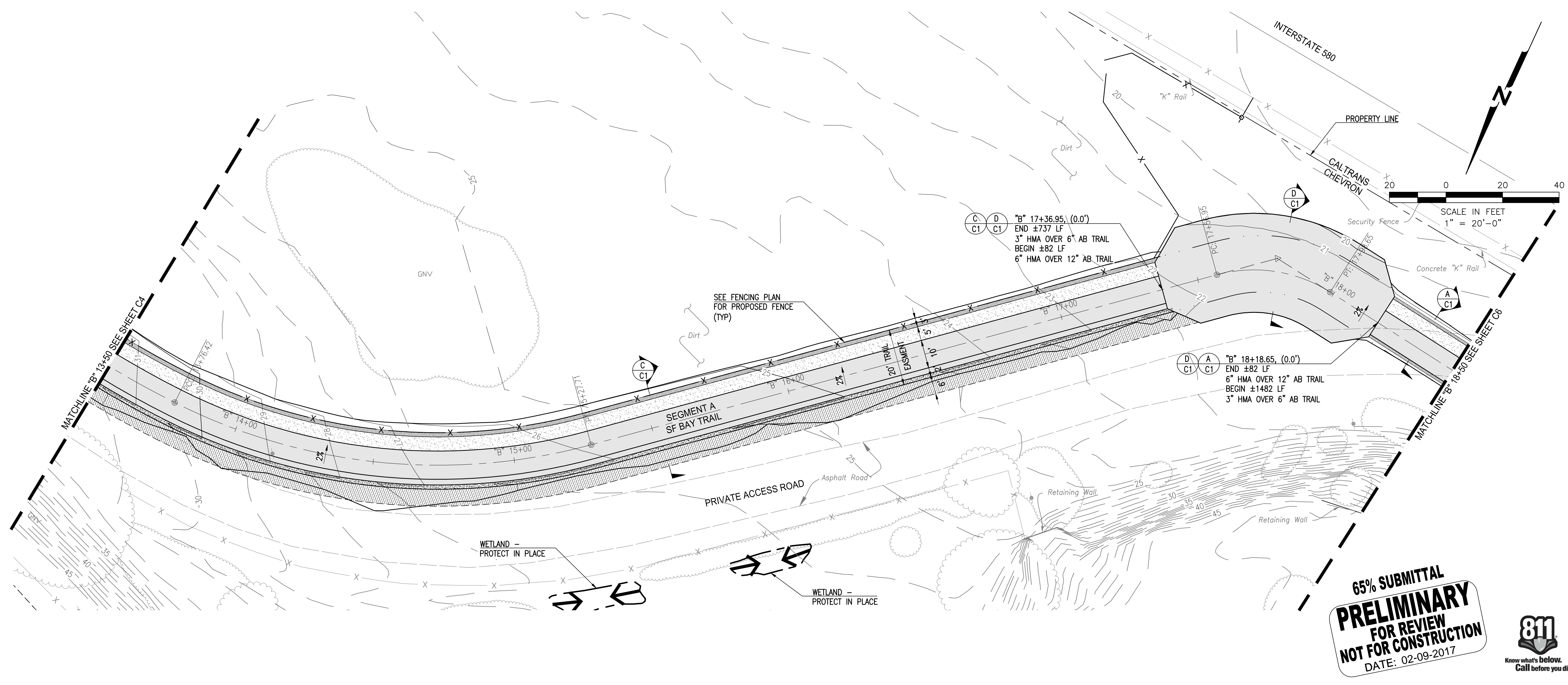
**TRAIL GRADING PLAN
 AND PROFILE "B" 13+50
 TO "B" 18+50**

DRAWING
C5

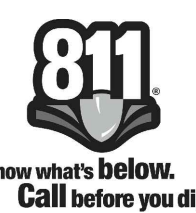
SHEET 24 OF 63



SCALE:
 HORIZONTAL: 1" = 20'
 VERTICAL: 1" = 4'



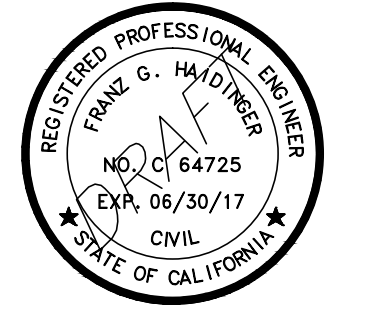
**65% SUBMITTAL
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 DATE: 02-09-2017**



File: P:\active_projects\east_bay_regional_park.dwg - 02/09/2017 10:52:06 AM (MS Text)



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**SAN FRANCISCO
 BAY TRAIL
 AT
 POINT MOLATE**

OWNER



**EAST BAY REGIONAL
 PARK DISTRICT
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605**

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

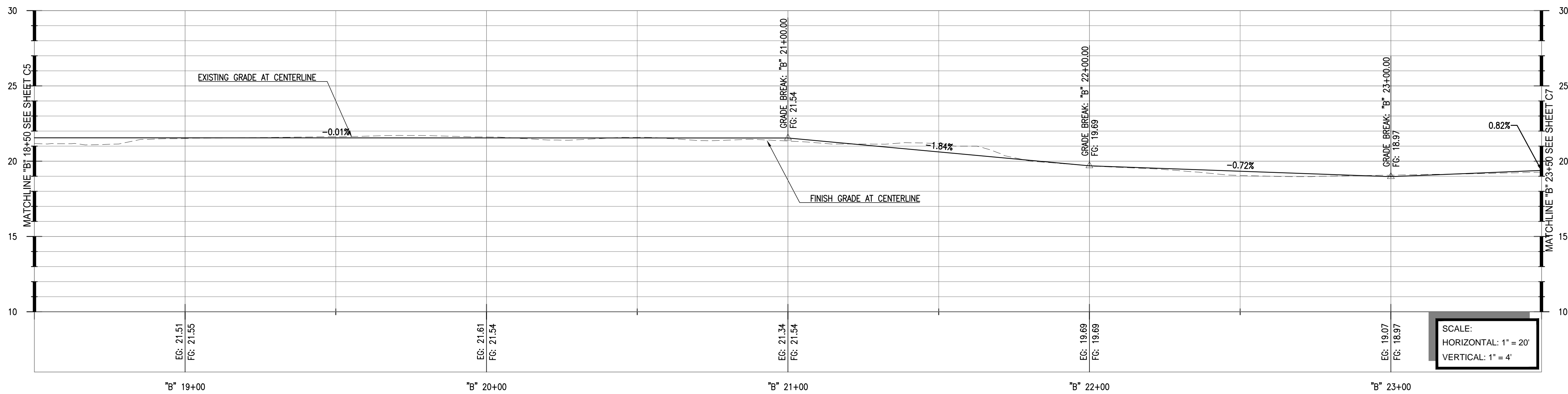
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SHEET TITLE

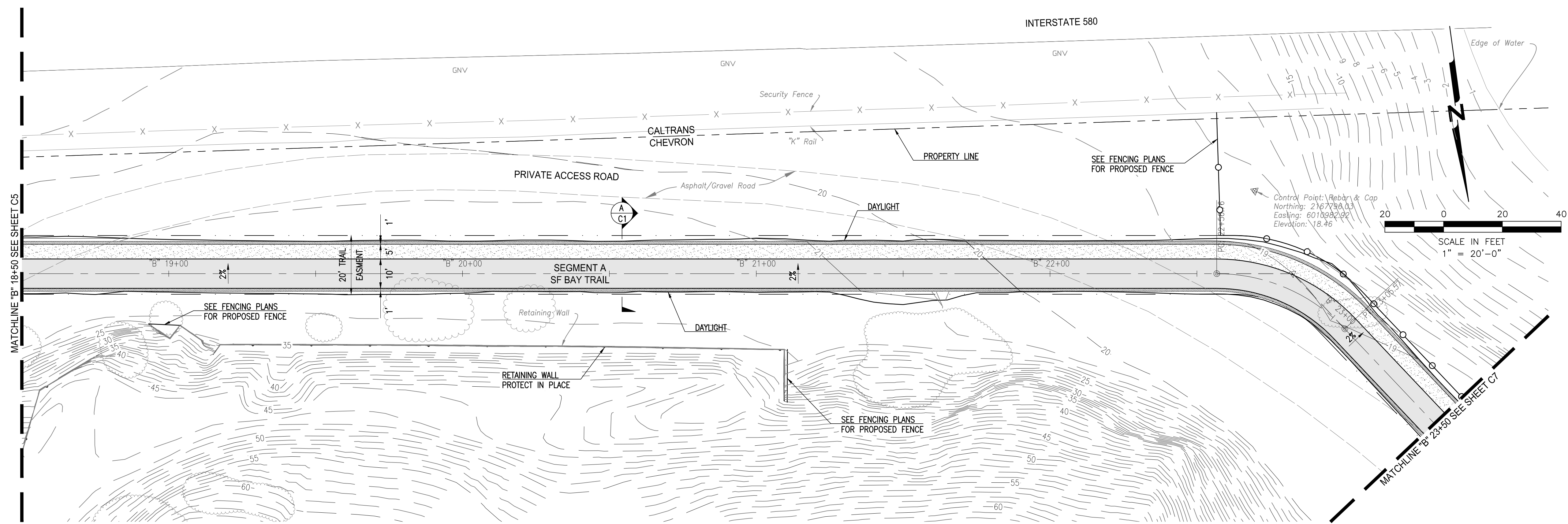
**TRAIL GRADING PLAN
 AND PROFILE "B" 18+50
 TO "B" 23+50**

DRAWING
C6

SHEET 25 OF 63



SCALE:
 HORIZONTAL: 1" = 20'
 VERTICAL: 1" = 4'



**65% SUBMITTAL
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 DATE: 02-09-2017**



File: P:\active_projects\east_bay_regional_park.dwg - 02/09/2017 10:42:20am (US Tech)



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**SAN FRANCISCO
BAY TRAIL
AT
POINT MOLATE**

OWNER

East Bay
Regional Park District
**EAST BAY REGIONAL
PARK DISTRICT
2950 PERALTA OAKS CT,
OAKLAND, CA 94605**

NO.	DATE	DESCRIPTION

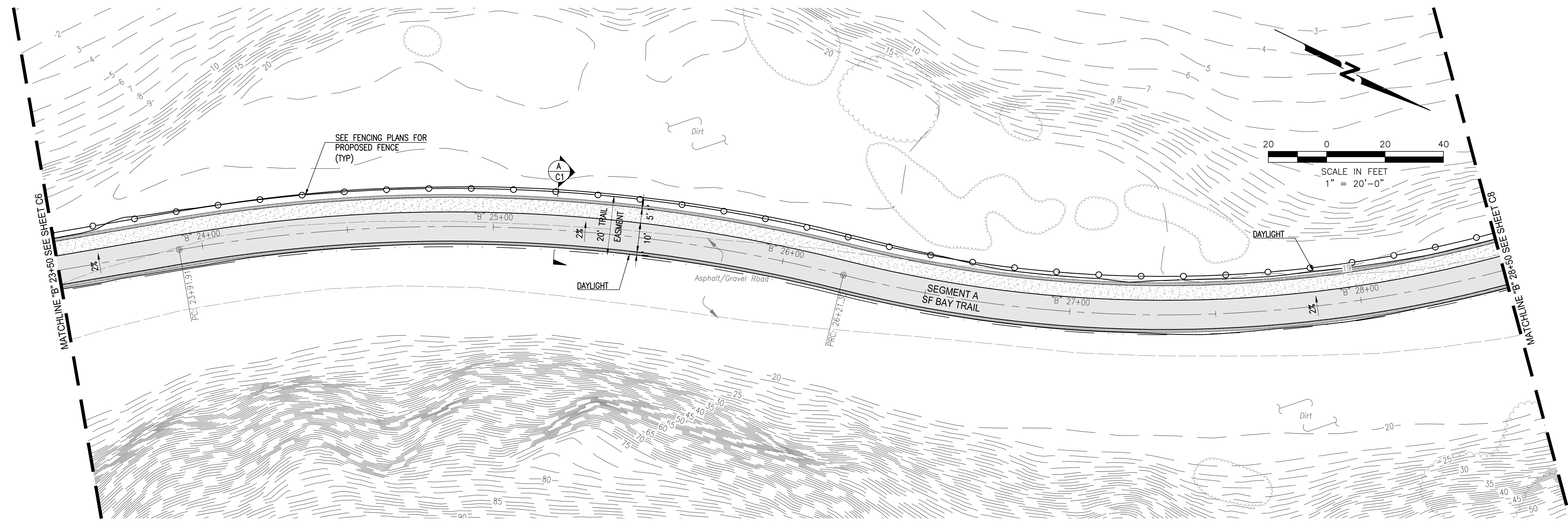
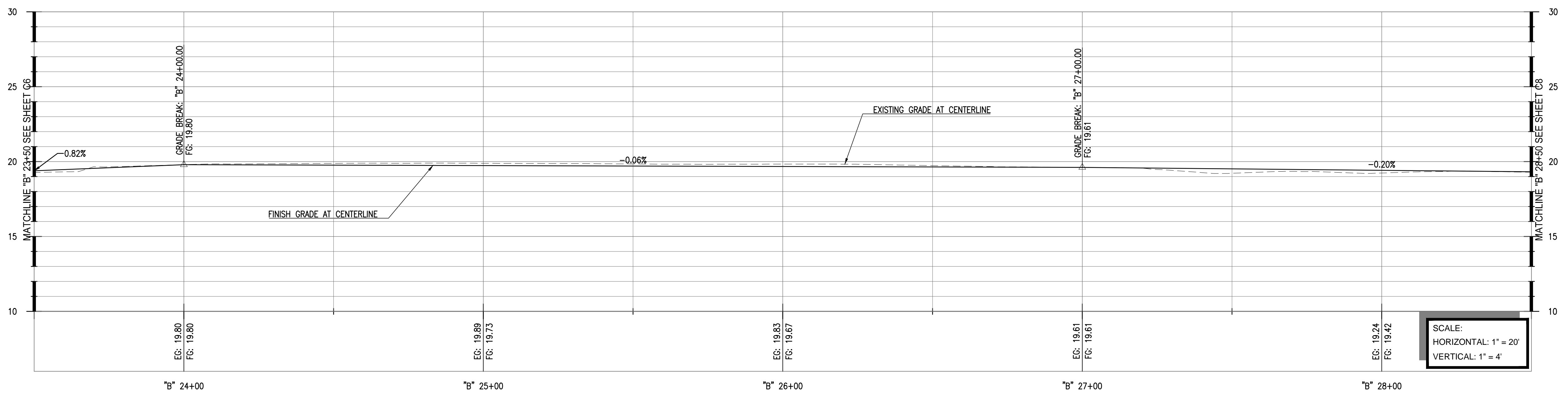
PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

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SHEET TITLE

**TRAIL GRADING PLAN
AND PROFILE "B" 23+50
TO "B" 28+50**

DRAWING **C7**



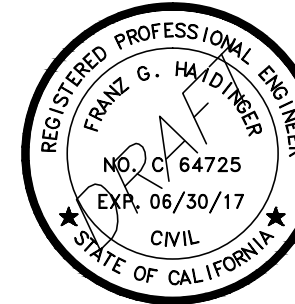
**65% SUBMITTAL
PRELIMINARY
FOR REVIEW
NOT FOR CONSTRUCTION
DATE: 02-09-2017**



P:\active_projects\east_bay_regional_park.dwg - 02/09/2017 10:42:00a (JMS)
 Plot: P:\active_projects\east_bay_regional_park.dwg - 02/09/2017 10:42:00a (JMS)
 Layout: C7 Trail Grading Plan and Profile.dwg
 Plot Date: 02/09/2017 10:42:00a (JMS)



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 (510) 215-3620 * Fax (510) 215-2898



**SAN FRANCISCO
 BAY TRAIL
 AT
 POINT MOLATE**

OWNER



**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

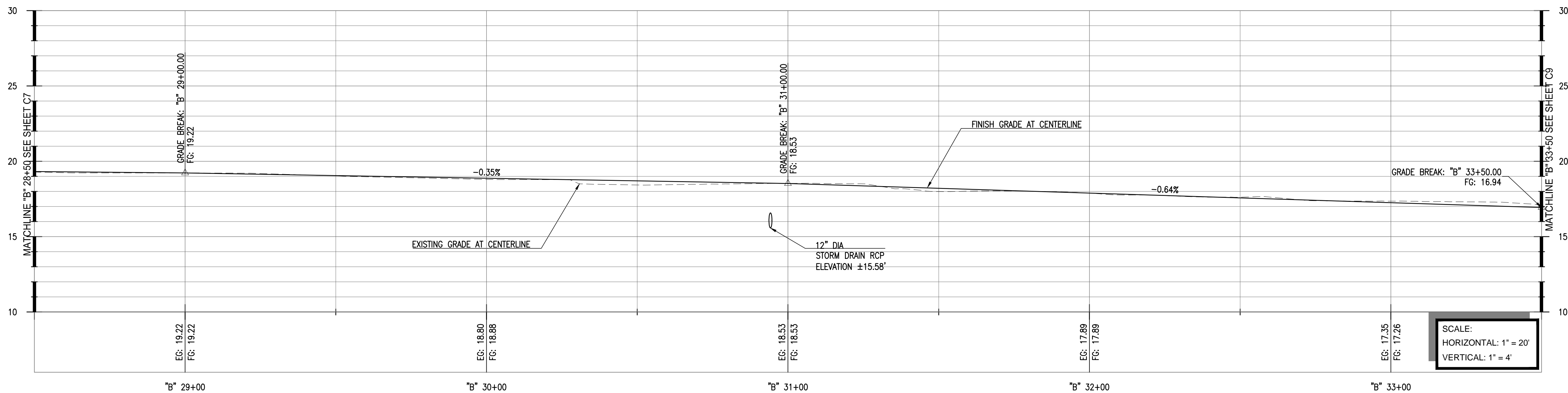
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SHEET TITLE

**TRAIL GRADING PLAN
 AND PROFILE "B" 28+50
 TO "B" 33+50**

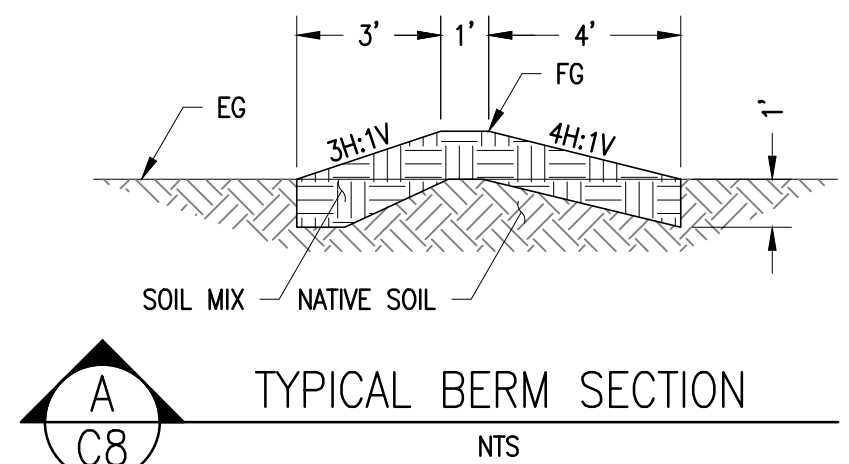
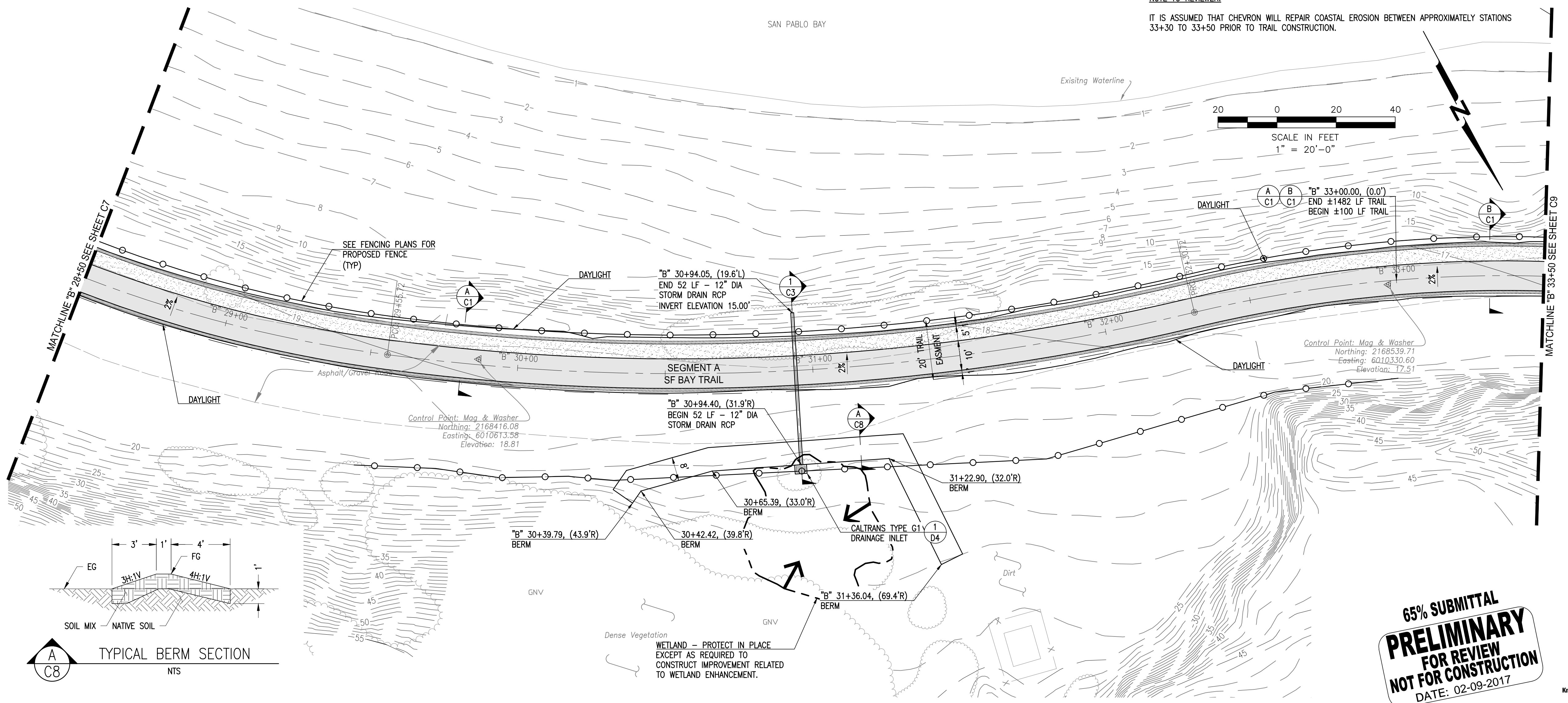
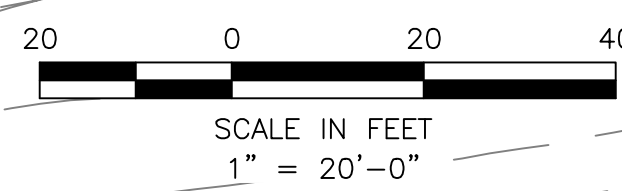
DRAWING
C8

SHEET 27 OF 63



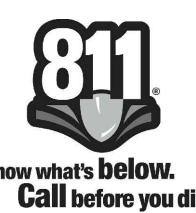
SCALE:
 HORIZONTAL: 1" = 20'
 VERTICAL: 1" = 4'

NOTE TO REVIEWER:
 IT IS ASSUMED THAT CHEVRON WILL REPAIR COASTAL EROSION BETWEEN APPROXIMATELY STATIONS 33+30 TO 33+50 PRIOR TO TRAIL CONSTRUCTION.



**WETLAND - PROTECT IN PLACE
 EXCEPT AS REQUIRED TO
 CONSTRUCT IMPROVEMENT RELATED
 TO WETLAND ENHANCEMENT.**

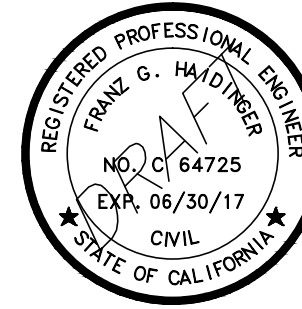
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File: P:\active_projects\west_bay_regional_park.dwg - 02/09/2017 10:50:56 AM (LWS Tech)



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**SAN FRANCISCO
 BAY TRAIL
 AT
 POINT MOLATE**

OWNER



**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO: 567.04.55

DESIGNED BY: J.B.

DRAWN BY: A.P., K.H., S.D.

CHECKED BY: J.N. DATE: 01/23/2017

DATE: 02/09/2017

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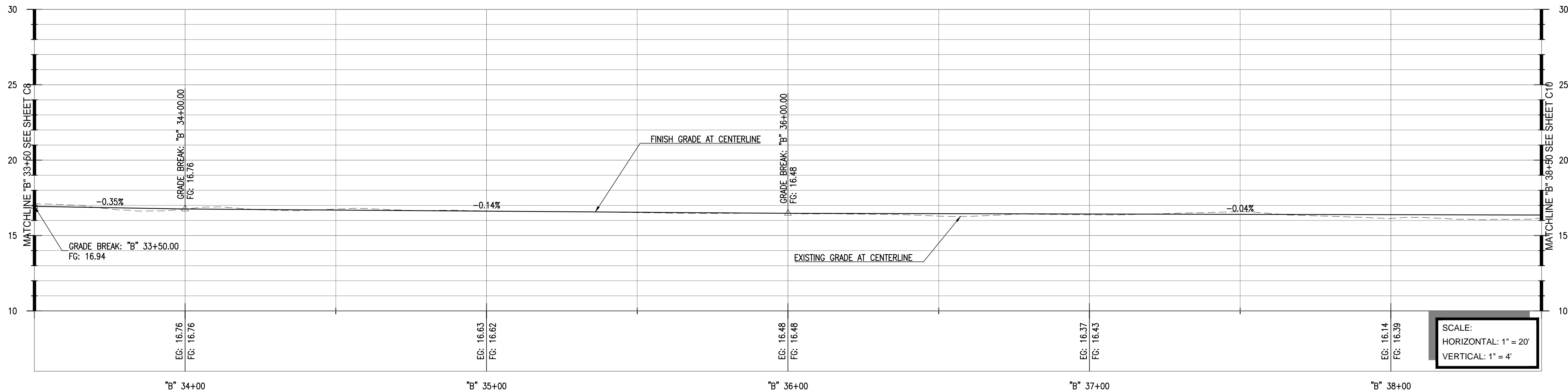
SHEET TITLE

**TRAIL GRADING PLAN
 AND PROFILE "B" 33+50
 TO "B" 38+50**

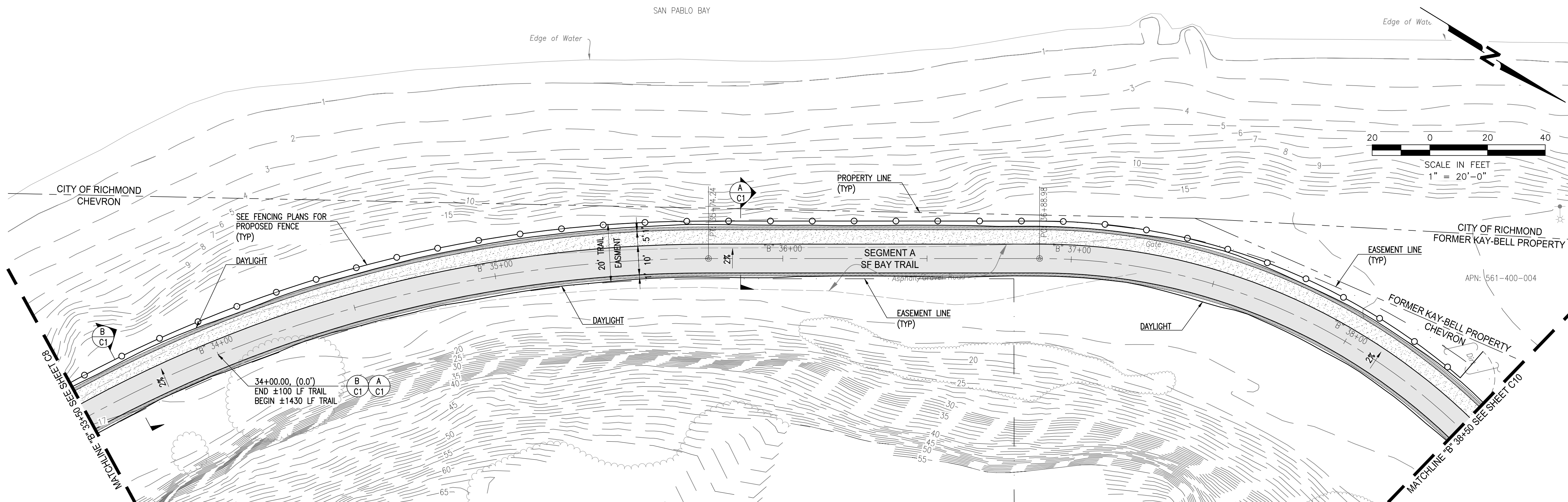
DRAWING

C9

SHEET 28 OF 63



SCALE:
 HORIZONTAL: 1" = 20'
 VERTICAL: 1" = 4'



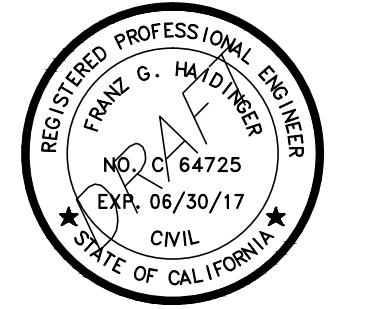
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**SAN FRANCISCO
 BAY TRAIL
 AT
 POINT MOLATE**

OWNER



**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

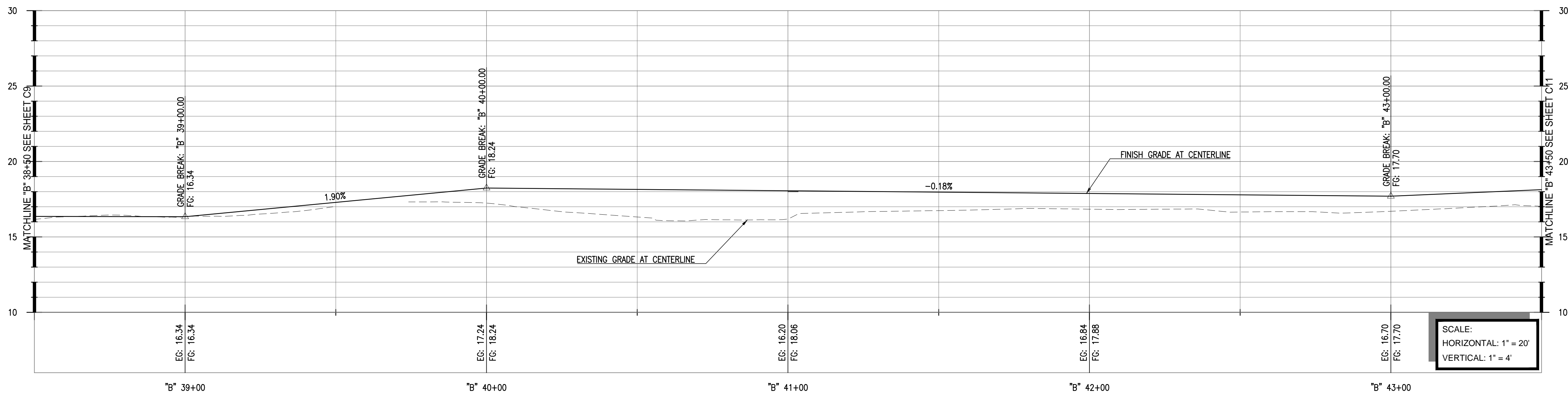
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SHEET TITLE

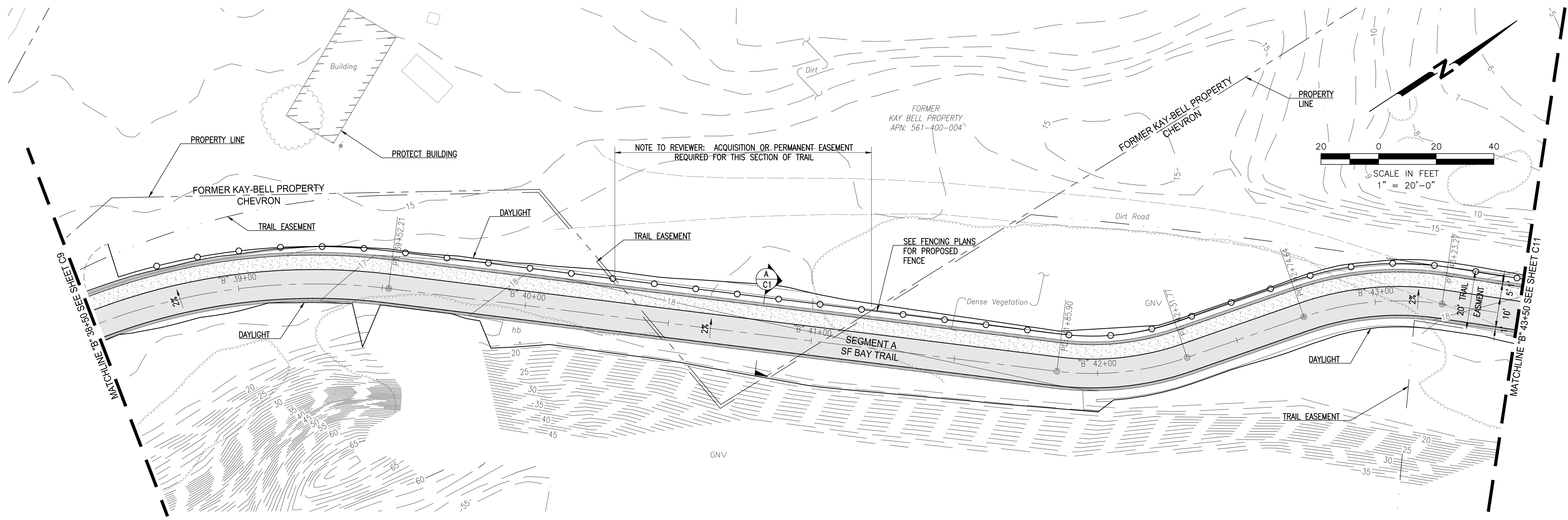
**TRAIL GRADING PLAN
 AND PROFILE "B" 38+50
 TO "B" 43+50**

DRAWING
C10

SHEET 29 OF 63



SCALE:
 HORIZONTAL: 1" = 20'
 VERTICAL: 1" = 4'

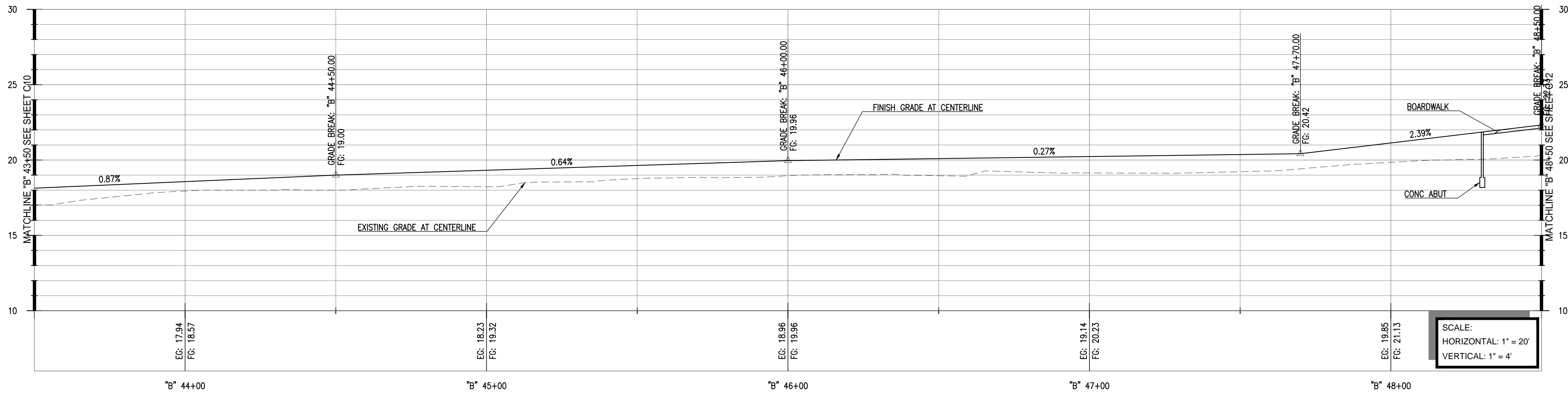


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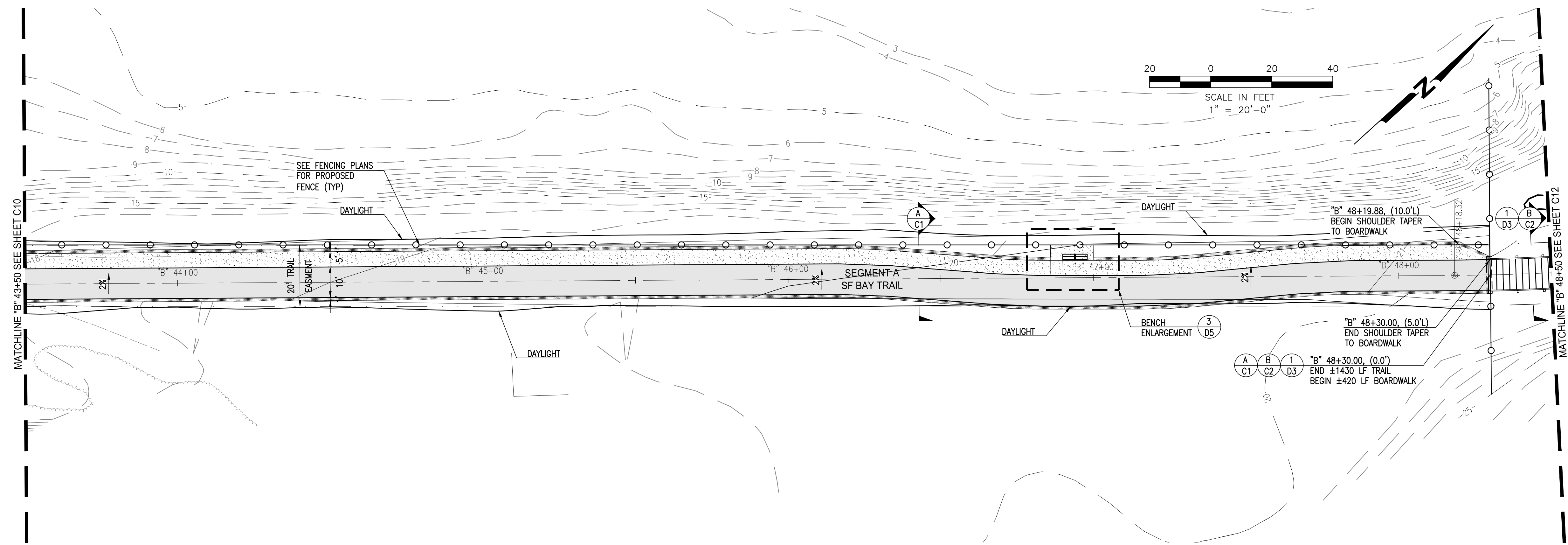


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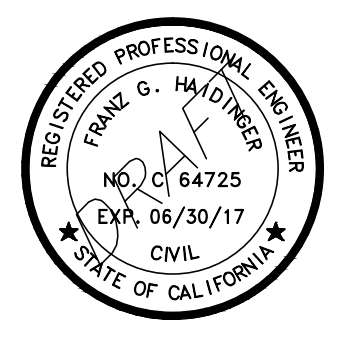
SCALE:
 HORIZONTAL: 1" = 20'
 VERTICAL: 1" = 4'



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SAN FRANCISCO
BAY TRAIL
AT
POINT MOLATE

OWNER
East Bay
 Regional Park District
EAST BAY REGIONAL
PARK DISTRICT
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

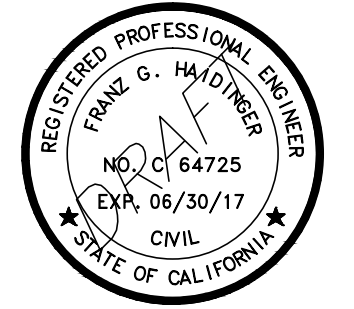
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SHEET TITLE
TRAIL GRADING PLAN
AND PROFILE "B" 43+50
TO "B" 48+50

DRAWING	C11
SHEET	30 OF 63



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**SAN FRANCISCO
 BAY TRAIL
 AT
 POINT MOLATE**

OWNER



**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

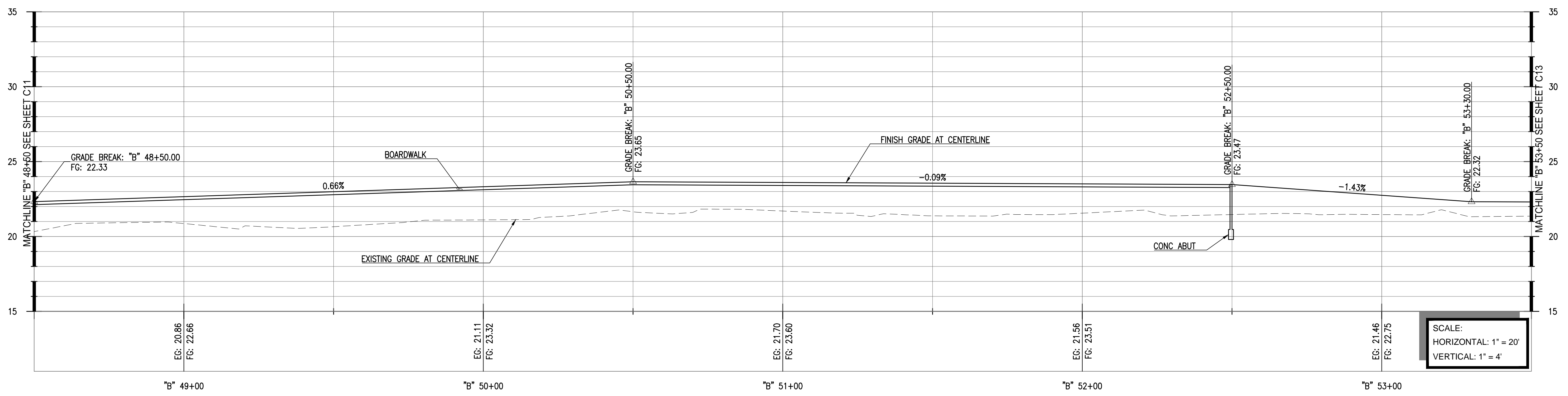
PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

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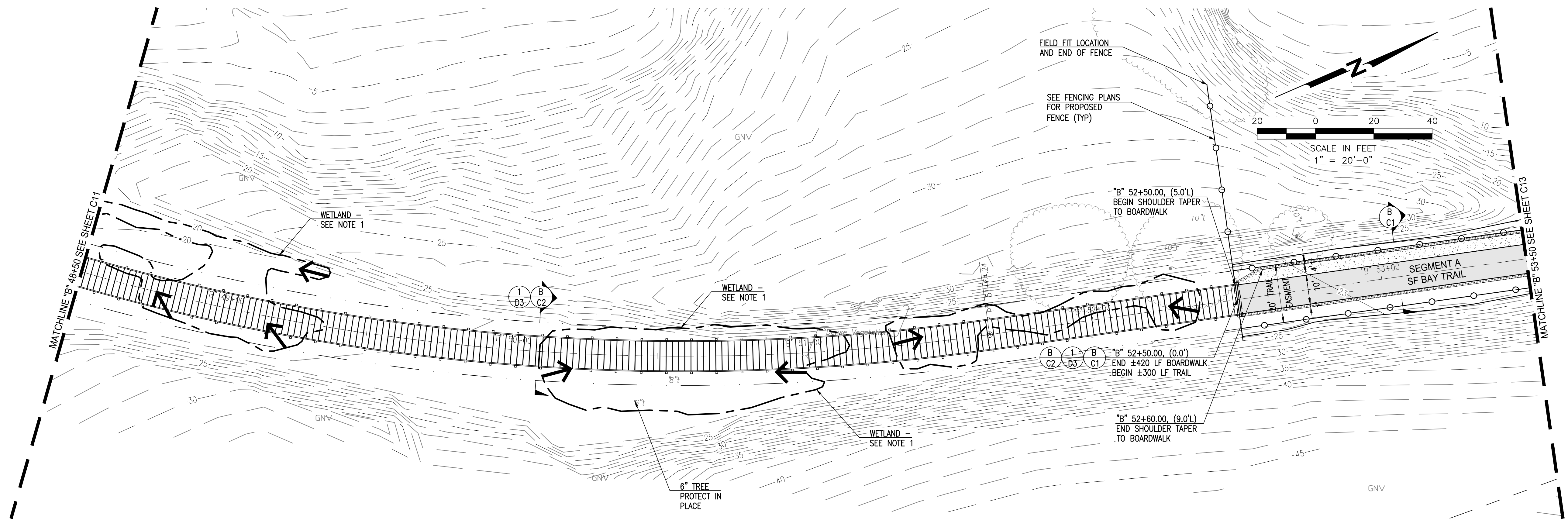
SHEET TITLE

**TRAIL GRADING PLAN
 AND PROFILE "B" 48+50
 TO "B" 53+50**

DRAWING
C12



SCALE:
 HORIZONTAL: 1" = 20'
 VERTICAL: 1" = 4'



NOTE:
 1. A QUALIFIED BIOLOGIST SHALL CONDUCT A PRE-DISTURBANCE SURVEY NO MORE THAN 30 DAYS PRIOR TO GROUND DISTURBANCE TO AVOID IMPACTS TO NESTING BIRDS AND RAPTORS. TREE AND SHRUB REMOVAL IN WETLANDS SHOULD BE LIMITED TO WHAT IS REQUIRED TO CONSTRUCT THE BOARDWALK. NO GRUBBING IS ALLOWED IN THE WETLAND AREAS. LIMBING AND PRUNING OF TREES SHOULD BE USED INSTEAD OF REMOVAL WHERE POSSIBLE.

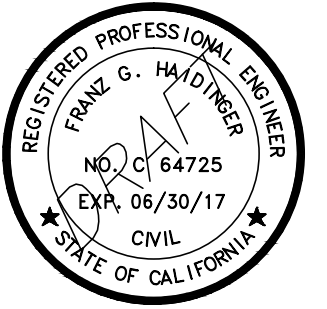
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**SAN FRANCISCO
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 AT
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OWNER



**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

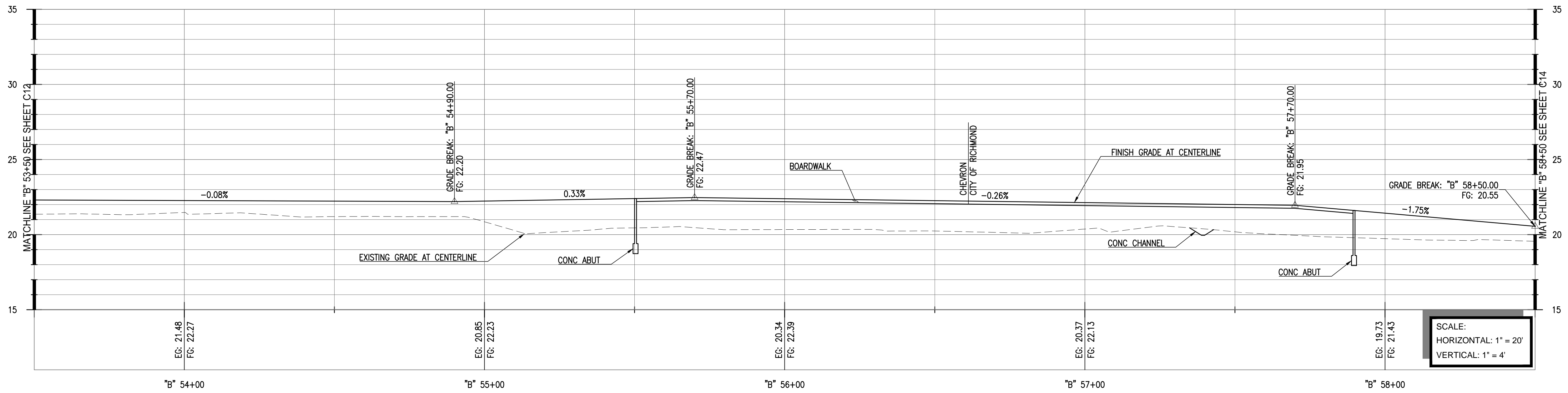
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SHEET TITLE

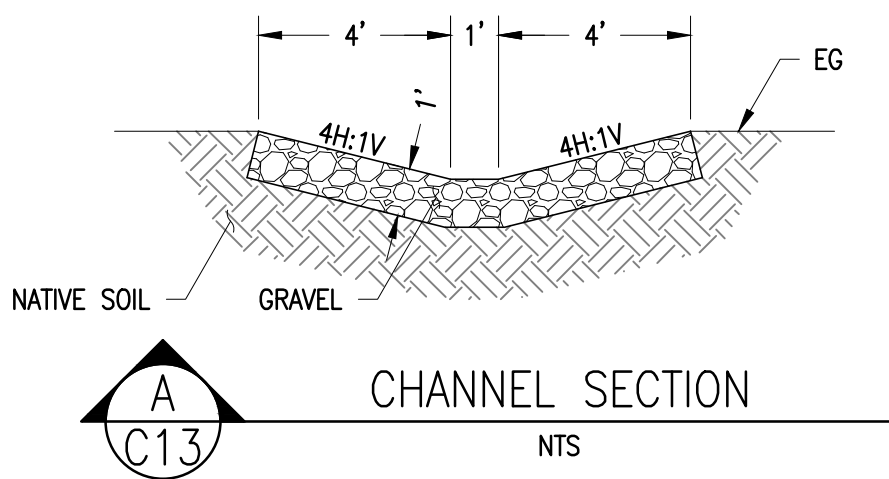
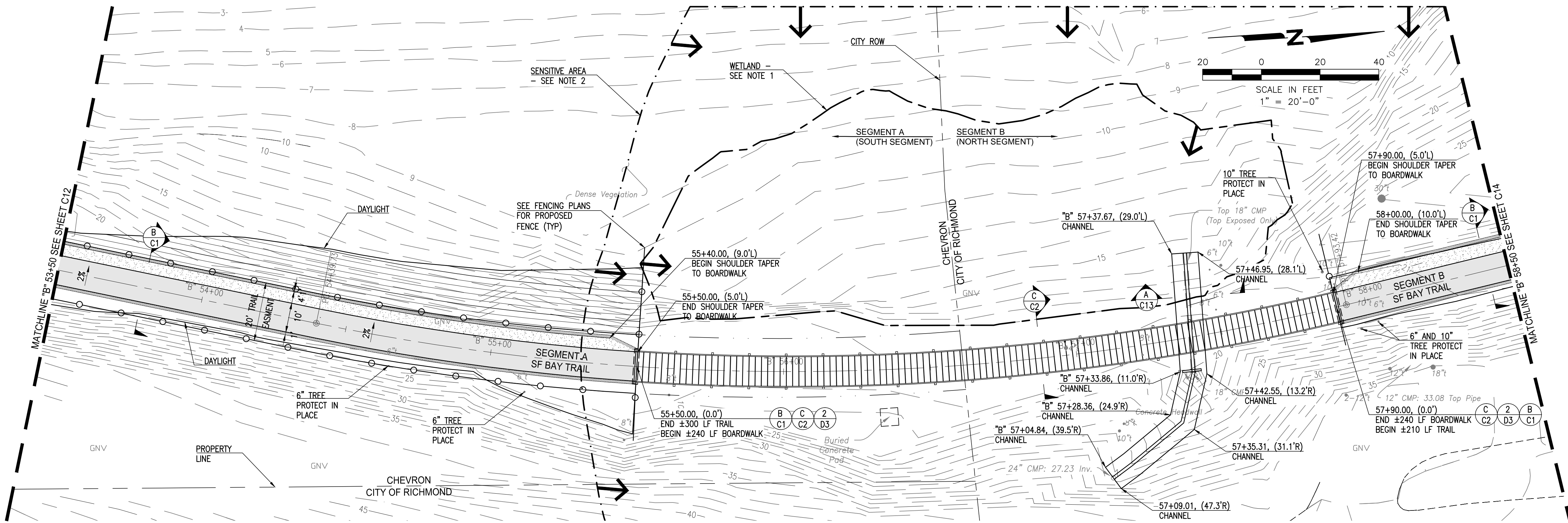
**TRAIL GRADING PLAN
 AND PROFILE "B" 53+50
 TO "B" 58+50**

DRAWING
C13

SHEET 32 OF 63



SCALE:
 HORIZONTAL: 1" = 20'
 VERTICAL: 1" = 4'



- NOTES:**
- A QUALIFIED BIOLOGIST SHALL CONDUCT A PRE-DISTURBANCE SURVEY NO MORE THAN 30 DAYS PRIOR TO GROUND DISTURBANCE TO AVOID IMPACTS TO NESTING BIRDS AND RAPTORS. TREE AND SHRUB REMOVAL IN WETLANDS SHOULD BE LIMITED TO WHAT IS REQUIRED TO CONSTRUCT THE BOARDWALK. NO GRUBBING IS ALLOWED IN THE WETLAND AREAS. LIMBING AND PRUNING OF TREES SHOULD BE USED INSTEAD OF REMOVAL WHERE POSSIBLE.
 - CULTURAL RESOURCES KNOWN TO OCCUR IN THE VICINITY. EXCAVATION SHOULD BE LIMITED TO A DEPTH OF TWO FEET OR DEPTH OF BALLAST, WHERE POSSIBLE. AN ARCHAEOLOGICAL OR NATIVE AMERICAN MONITOR MUST BE PRESENT FOR EXCAVATION ACTIVITIES THAT WILL EXCEED TWO FEET OR DEPTH OF BALLAST SUCH AS DRILLING/EXCAVATION FOR BOARDWALK FOOTINGS. THE CONTRACTOR SHALL NOTIFY THE LEAD AGENCY AT LEAST 14 DAYS PRIOR TO WHEN SUBSURFACE ACTIVITIES WILL OCCUR TO ENSURE AN ARCHAEOLOGICAL OR NATIVE AMERICAN MONITOR WILL BE PRESENT DURING EXCAVATION.

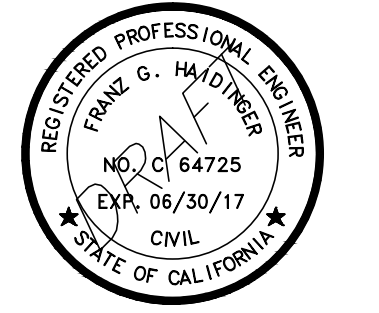
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 NOT FOR CONSTRUCTION
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 & S:\CAD\Sheet\02-C13 Trail Grading Plan and Profile.dwg Layout: C13 Printed File: 02-09-2017 10:55:30 AM - by: jay.m...



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**SAN FRANCISCO
 BAY TRAIL
 AT
 POINT MOLATE**

OWNER



**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

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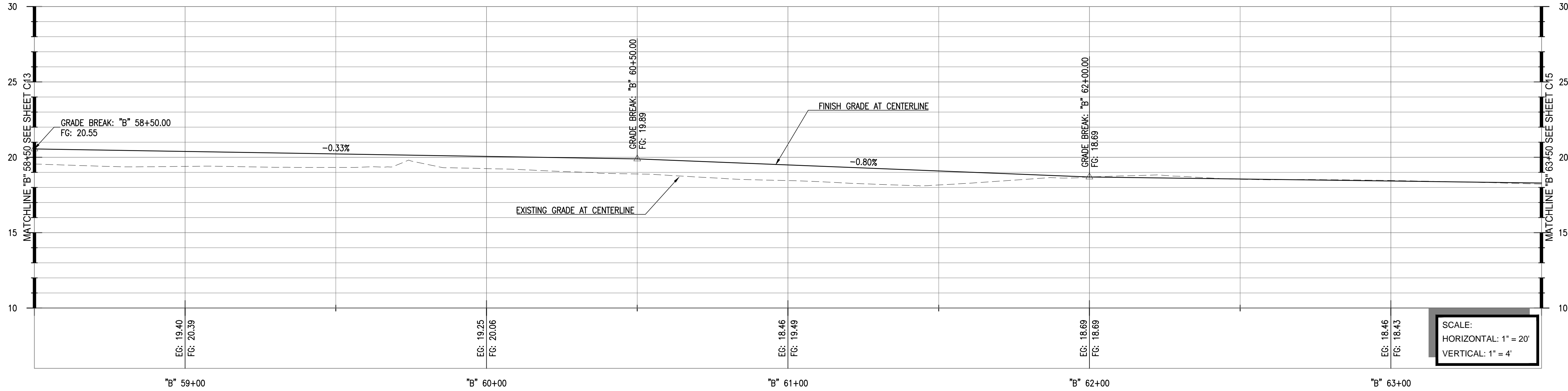
SHEET TITLE

**TRAIL GRADING PLAN
 AND PROFILE "B" 58+50
 TO "B" 63+50**

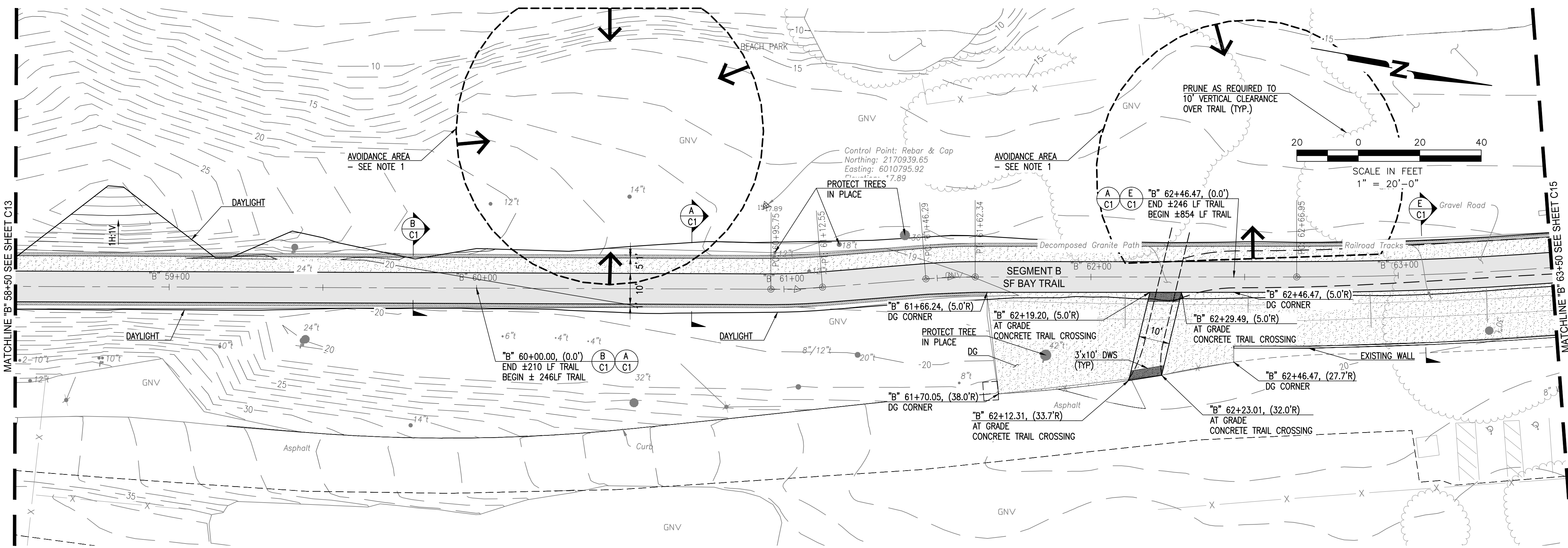
DRAWING

C14

SHEET 33 OF 63



SCALE:
 HORIZONTAL: 1" = 20'
 VERTICAL: 1" = 4'



NOTE:
 1. EXCAVATION RELATED TO THE CONSTRUCTION OF THE TRAIL SHALL BE LIMITED TO THE DEPTH OF ASPHALT AND FILL ASSOCIATED WITH THE EXISTING ASPHALT ROAD (BURMA ROAD). IF IT IS DETERMINED THAT THE DEPTH OF THE TRAIL CONSTRUCTION WILL EXCEED THE DEPTH OF ASPHALT AND FILL OF BURMA ROAD, THEN IT IS RECOMMENDED THAT AN ARCHAEOLOGICAL AND/OR NATIVE AMERICAN MONITOR BE PRESENT DURING SUBSURFACE ACTIVITIES.

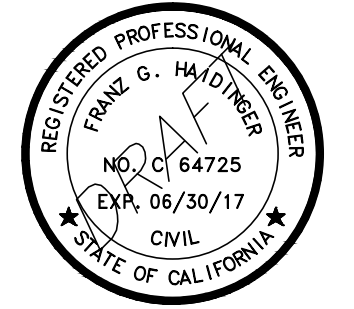
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**SAN FRANCISCO
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 AT
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**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

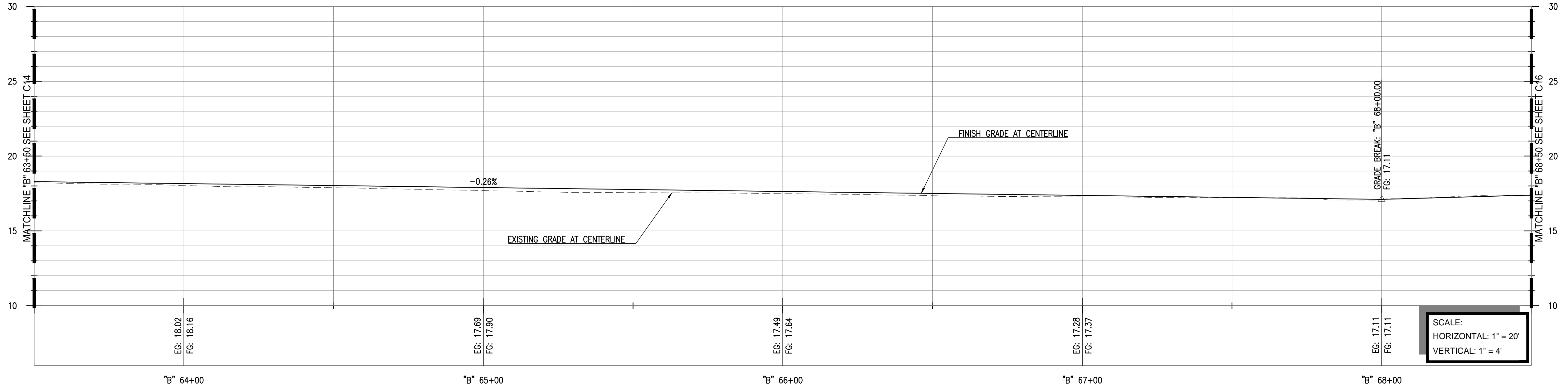
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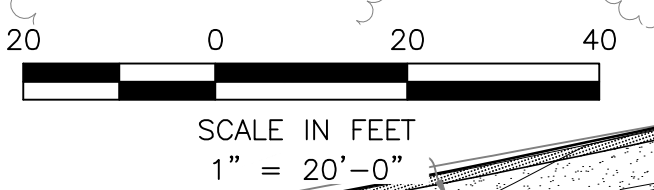
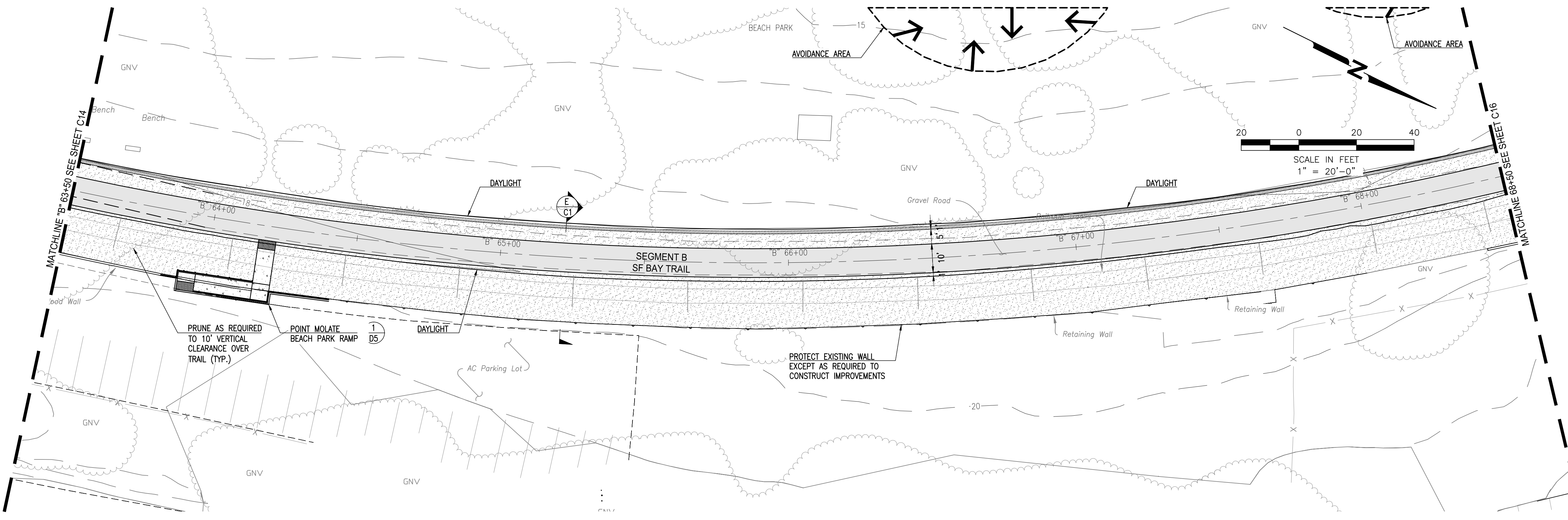
**TRAIL GRADING PLAN
 AND PROFILE "B" 63+50
 TO "B" 68+50**

DRAWING
C15

SHEET 34 OF 63



SCALE:
 HORIZONTAL: 1" = 20'
 VERTICAL: 1" = 4'



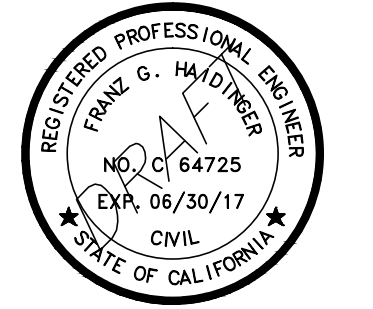
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**SAN FRANCISCO
 BAY TRAIL
 AT
 POINT MOLATE**

OWNER



**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

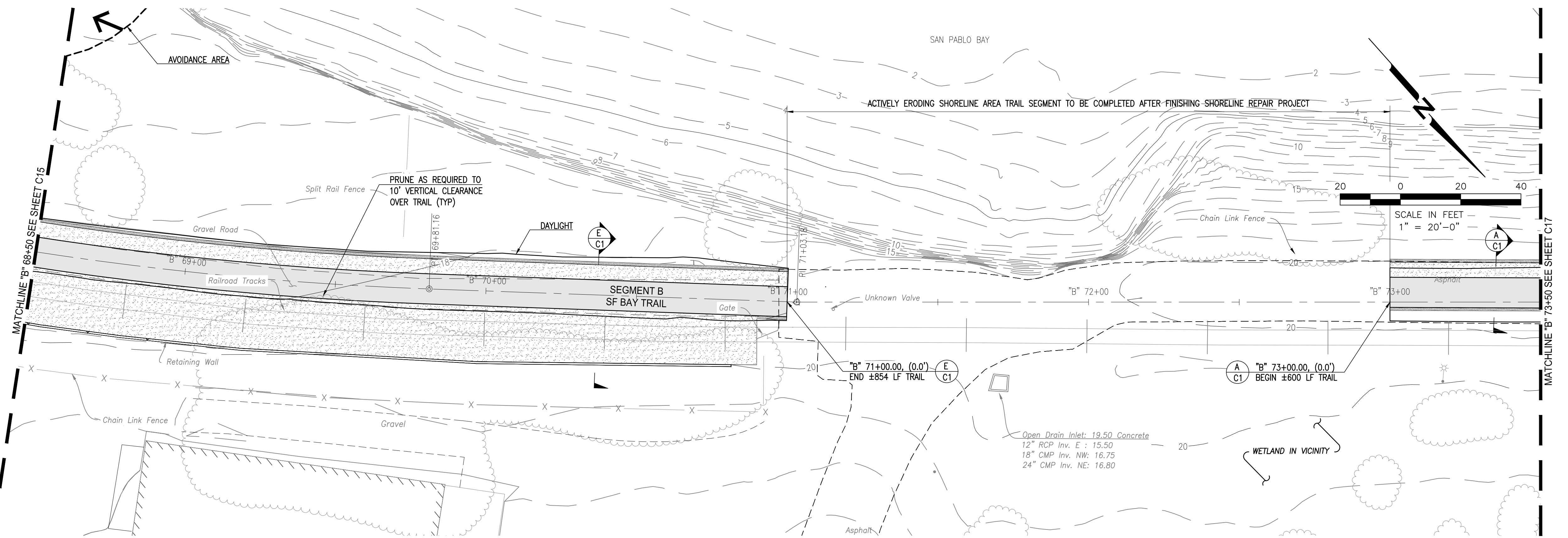
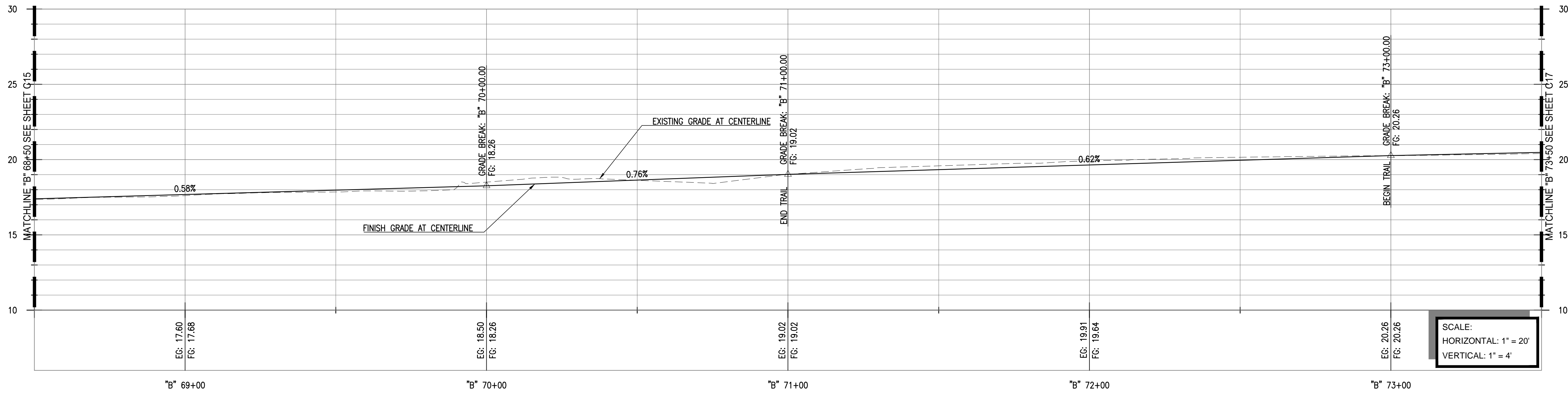
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SHEET TITLE

**TRAIL GRADING PLAN
 AND PROFILE "B" 68+50
 TO "B" 73+50**

DRAWING
C16

SHEET 35 OF 63



NOTE TO REVIEWER:
 * A MITIGATION WETLAND WAS RECENTLY INSTALLED NEAR "B" 72+00 BY TERRAPHASE, BUT THE BOUNDARY IS CURRENTLY UNKNOWN PENDING AS-BUILTS FROM TERRAPHASE.

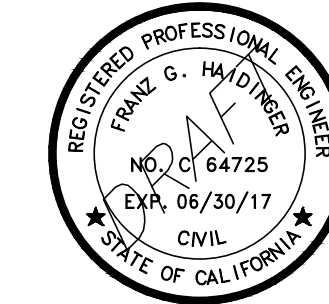
**65% SUBMITTAL
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 NOT FOR CONSTRUCTION
 DATE: 02-09-2017**



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SAN FRANCISCO BAY TRAIL AT POINT MOLATE

OWNER



EAST BAY REGIONAL
PARK DISTRICT
2950 PERALTA OAKS CT,
OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
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DATE:	02/09/2017

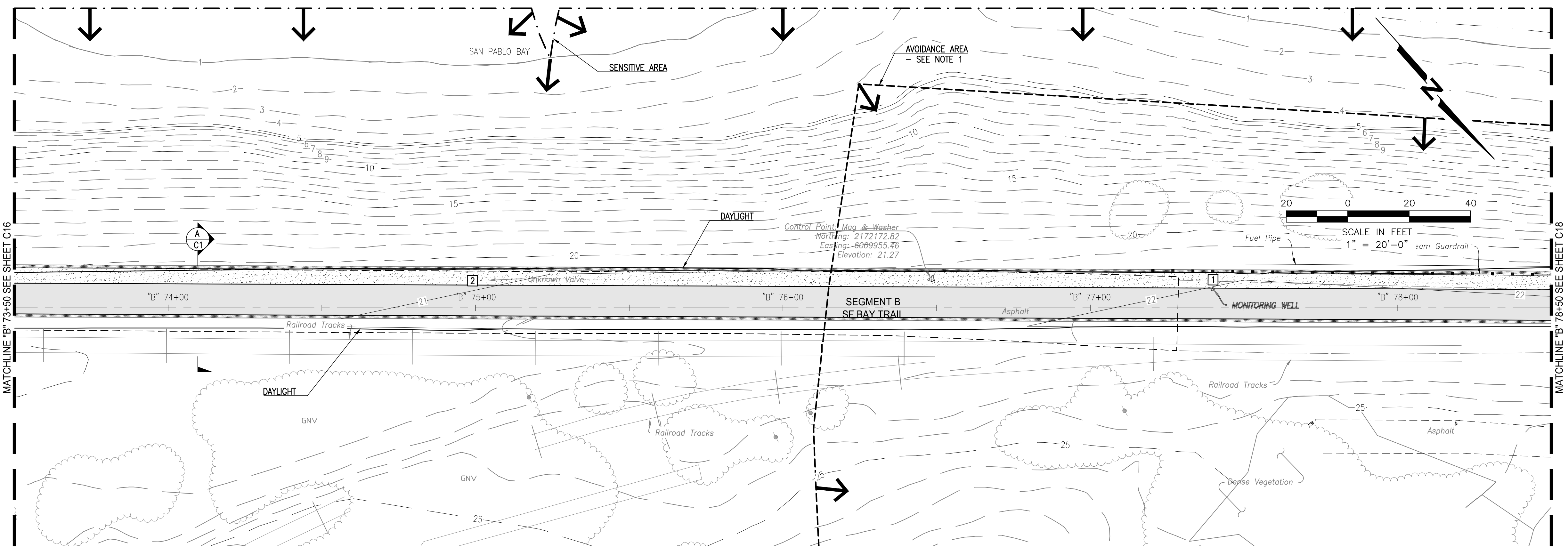
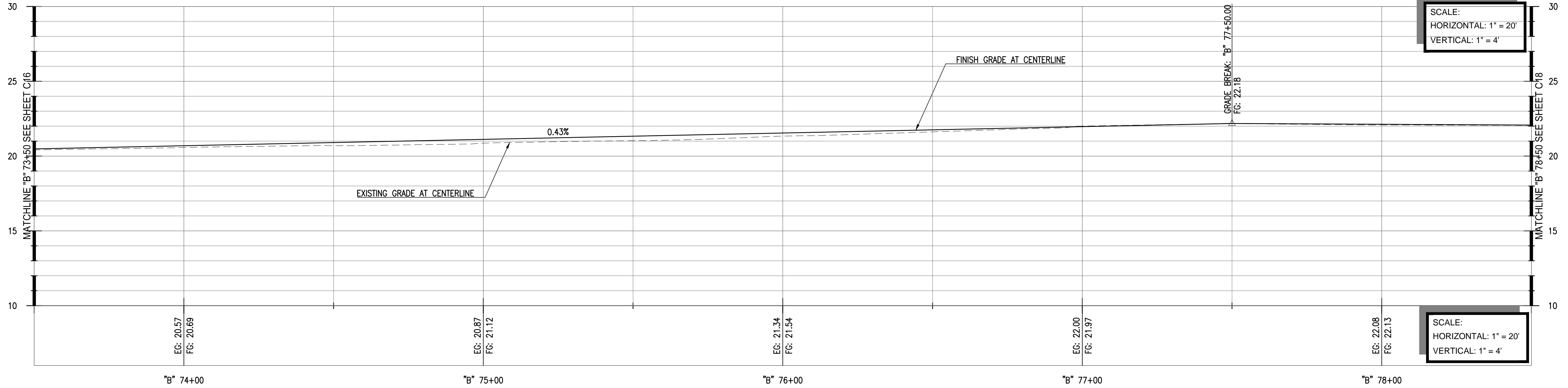
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SHEET TITLE

TRAIL GRADING PLAN AND PROFILE "B" 73+50 TO "B" 78+50

DRAWING
C17

SHEET 36 OF 63

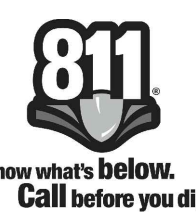


- KEYNOTES:**
- 1] MONITORING WELL; PROTECT IN PLACE. ADJUST BOX AND COVER.
 - 2] UNKNOWN VALVE; PROTECT IN PLACE. ADJUST BOX AND COVER.

NOTE:

1. EXCAVATION RELATED TO THE CONSTRUCTION OF THE TRAIL SHALL BE LIMITED TO THE DEPTH OF ASPHALT AND FILL ASSOCIATED WITH THE EXISTING ASPHALT ROAD (BURMA ROAD). IF IT IS DETERMINED THAT THE DEPTH OF THE TRAIL CONSTRUCTION WILL EXCEED THE DEPTH OF ASPHALT AND FILL OF BURMA ROAD, THEN IT IS RECOMMENDED THAT AN ARCHAEOLOGICAL AND/OR NATIVE AMERICAN MONITOR BE PRESENT DURING SUBSURFACE ACTIVITIES.

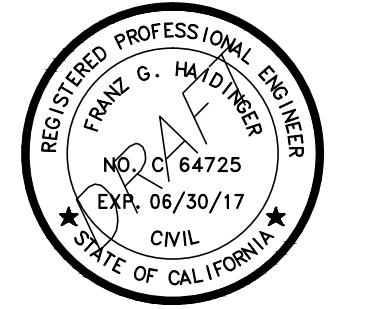
**65% SUBMITTAL
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DATE: 02-09-2017**



File: P:\active_projects\east_bay_regional_park.dwg - 4/27/2017 10:55:55 AM - by: jay.mccormack - 2017 02 09 10:55:55 AM - 10:55:55 AM - 10:55:55 AM



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**SAN FRANCISCO
 BAY TRAIL
 AT
 POINT MOLATE**

OWNER



**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

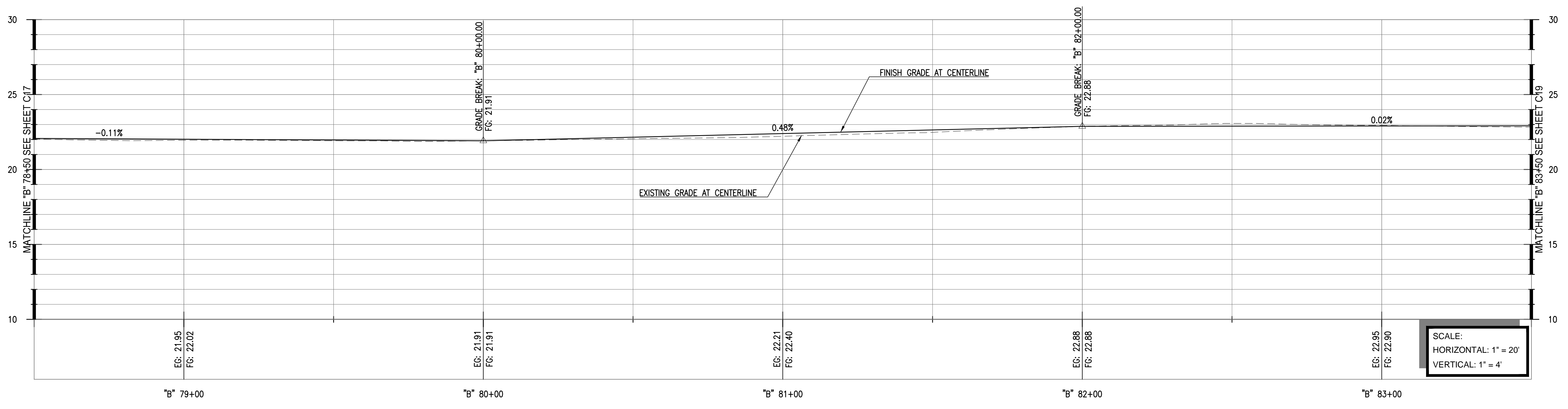
PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

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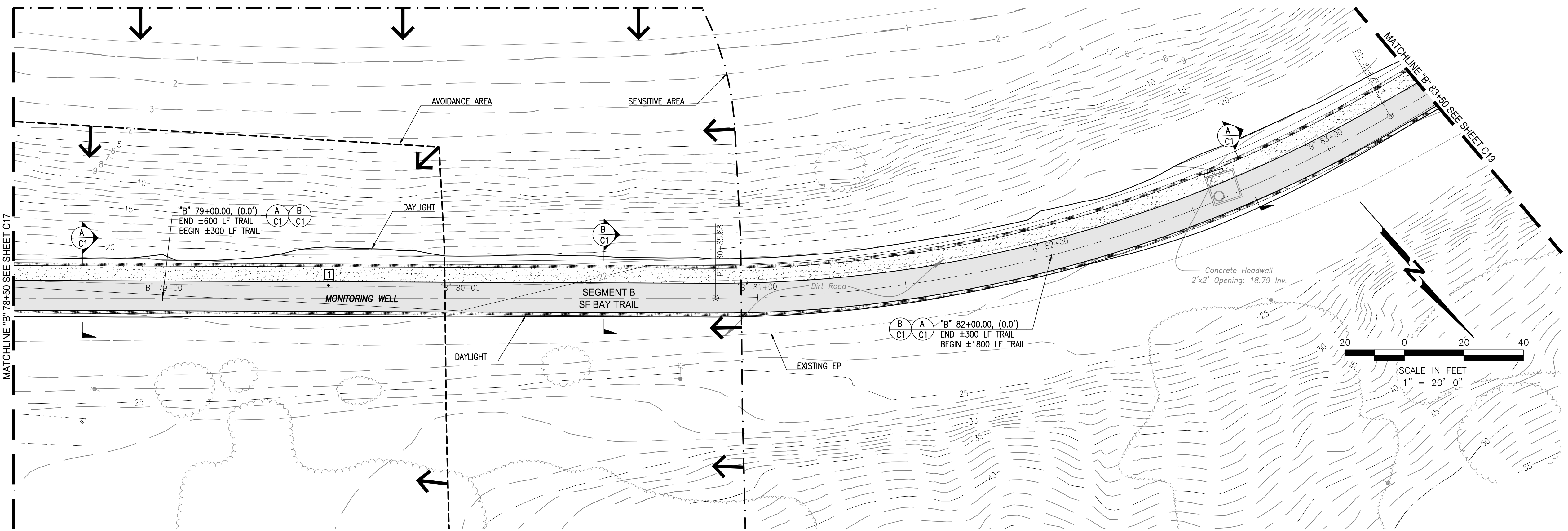
SHEET TITLE

**TRAIL GRADING PLAN
 AND PROFILE "B" 78+50
 TO "B" 83+50**

DRAWING
C18



SCALE:
 HORIZONTAL: 1" = 20'
 VERTICAL: 1" = 4'



- KEYNOTES:**
- 1 MONITORING WELL; PROTECT IN PLACE. ADJUST BOX AND COVER.
 - 2 UNKNOWN VALVE; PROTECT IN PLACE. ADJUST BOX AND COVER.

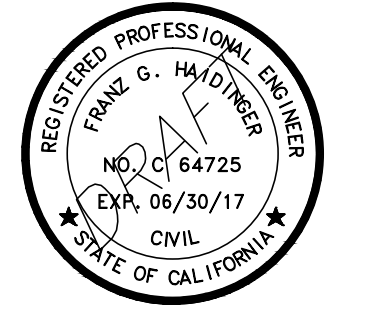
**65% SUBMITTAL
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 DATE: 02-09-2017



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**SAN FRANCISCO
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 POINT MOLATE**

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**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

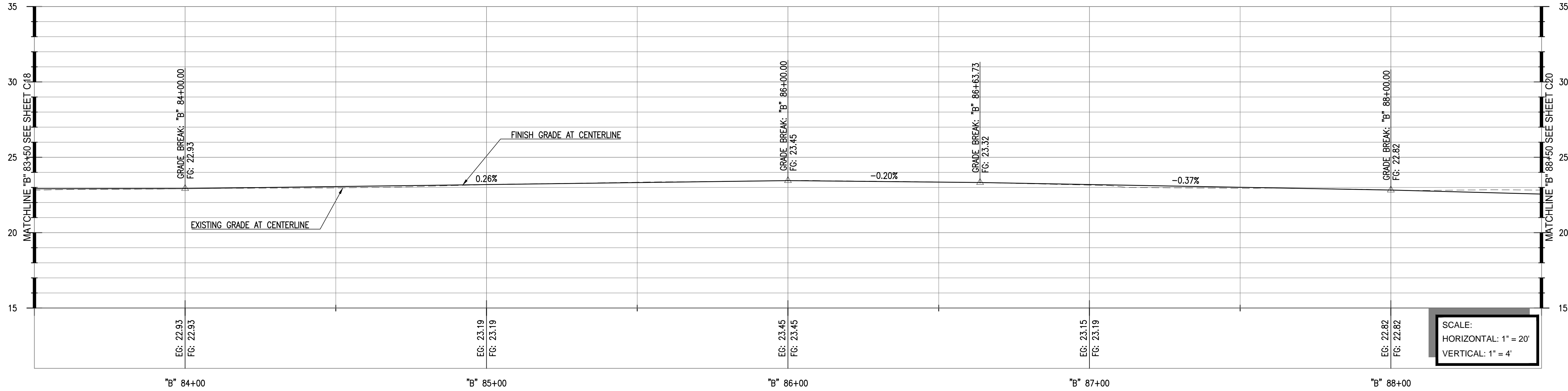
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SHEET TITLE

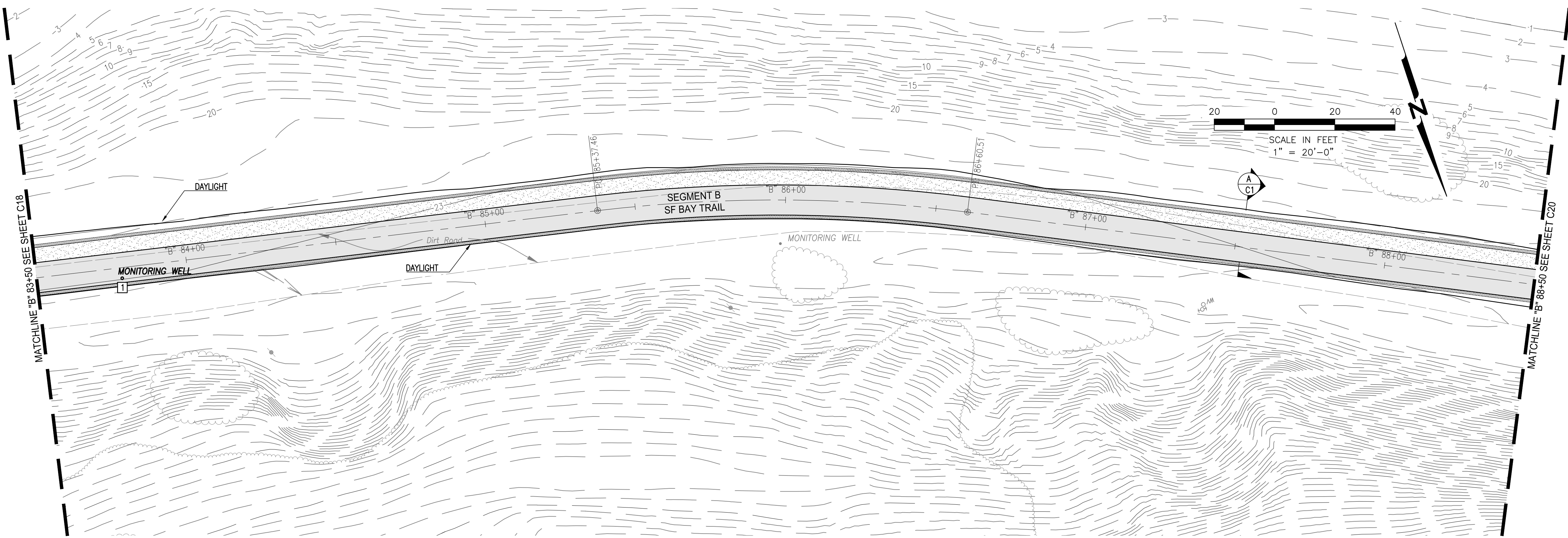
**TRAIL GRADING PLAN
 AND PROFILE "B" 83+50
 TO "B" 88+50**

DRAWING
C19

SHEET 38 OF 63



SCALE:
 HORIZONTAL: 1" = 20'
 VERTICAL: 1" = 4'



- KEYNOTES:**
- 1 MONITORING WELL; PROTECT IN PLACE. ADJUST BOX AND COVER.
 - 2 UNKNOWN VALVE; PROTECT IN PLACE. ADJUST BOX AND COVER.

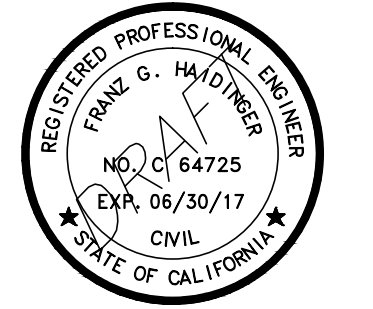
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 DATE: 02-09-2017**



File: P:\active_projects\east_bay_regional_park.dwg - 02/09/2017 10:45:00 AM - User: jhalverson - Plot: 02/09/2017 10:45:00 AM - Plot Device: HP DesignJet 500 - Plot Size: 11x17 - Plot Scale: 1" = 20' - Plot Orientation: Landscape - Plot Color: Black - Plot Lineweight: 0.25 - Plot Linetype: Solid - Plot Font: Arial - Plot Title: TRAIL GRADING PLAN AND PROFILE "B" 83+50 TO "B" 88+50



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SAN FRANCISCO BAY TRAIL AT POINT MOLATE

OWNER



EAST BAY REGIONAL
PARK DISTRICT
2950 PERALTA OAKS CT,
OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

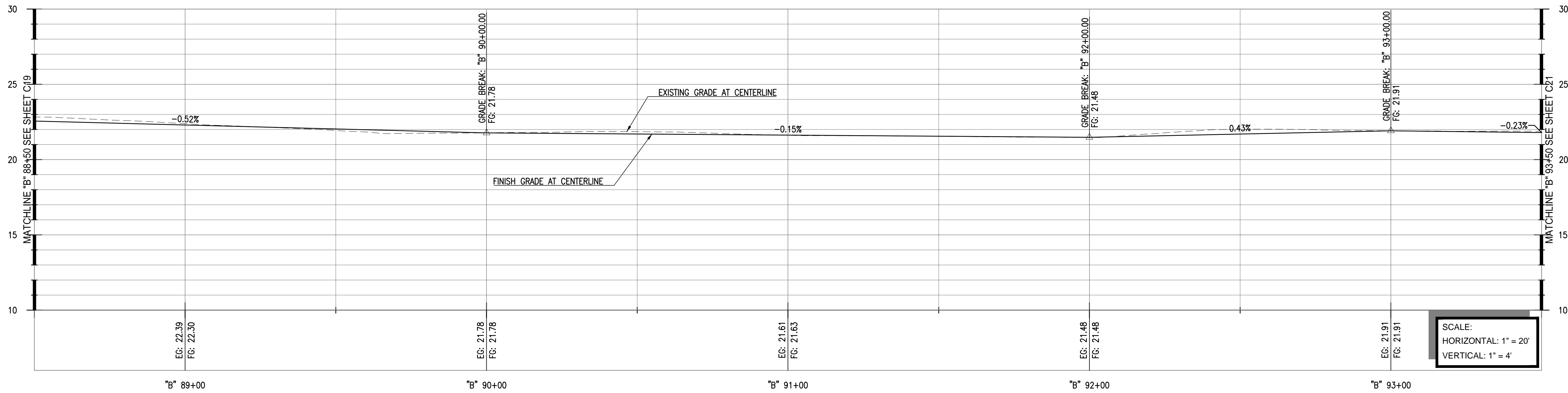
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SHEET TITLE

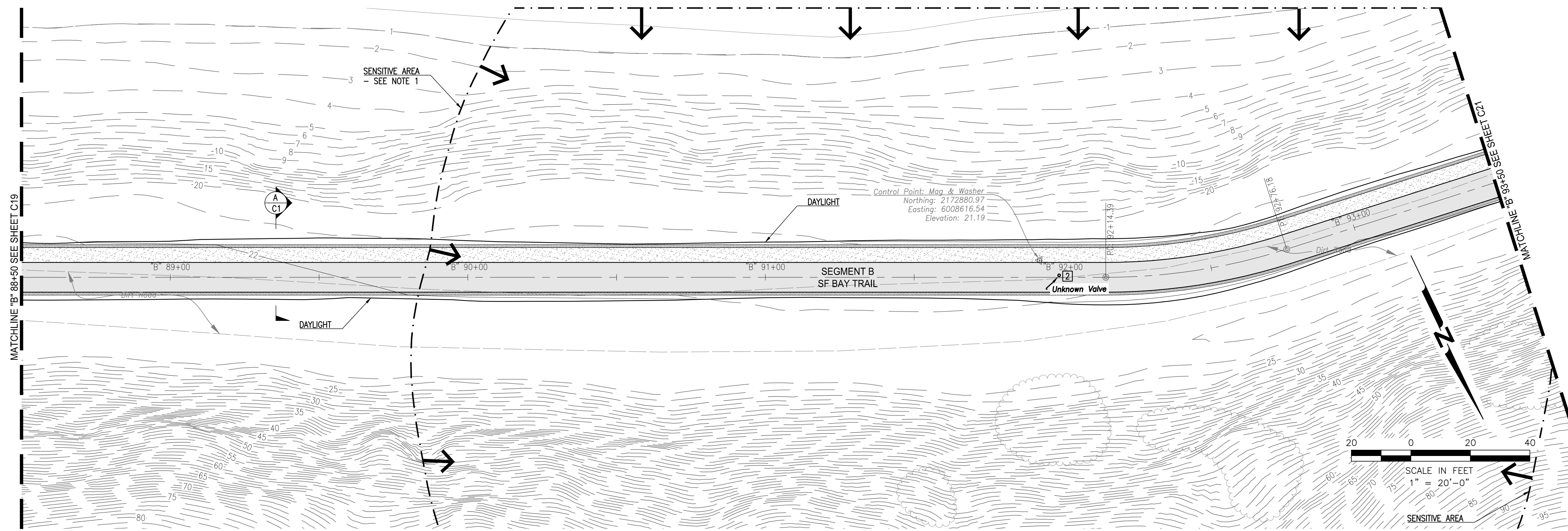
TRAIL GRADING PLAN AND PROFILE "B" 88+50 TO "B" 93+50

DRAWING
C20

SHEET 39 OF 63



SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 4'



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DATE: 02-09-2017**



KEYNOTES:

- 1] MONITORING WELL; PROTECT IN PLACE. ADJUST BOX AND COVER.
- 2] UNKNOWN VALVE; PROTECT IN PLACE. ADJUST BOX AND COVER.

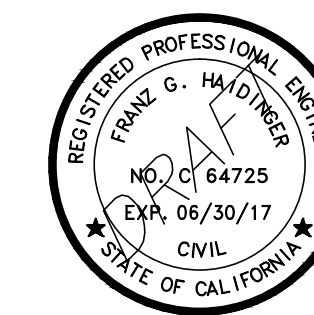
NOTE:

1. EXCAVATION RELATED TO THE CONSTRUCTION OF THE TRAIL SHALL BE LIMITED TO THE DEPTH OF ASPHALT AND FILL ASSOCIATED WITH THE EXISTING ASPHALT ROAD (BURMA ROAD), IF IT IS DETERMINED THAT THE DEPTH OF THE TRAIL CONSTRUCTION WILL EXCEED THE DEPTH OF ASPHALT AND FILL OF BURMA ROAD, THEN IT IS RECOMMENDED THAT AN ARCHAEOLOGICAL AND/OR NATIVE AMERICAN MONITOR BE PRESENT DURING SUBSURFACE ACTIVITIES.

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SAN FRANCISCO BAY TRAIL AT POINT MOLATE

OWNER



**EAST BAY REGIONAL
PARK DISTRICT**
2950 PERALTA OAKS CT,
OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO: 567.04.55

DESIGNED BY: J.B.

DRAWN BY: A.P., K.H., S.D.

CHECKED BY: J.N. DATE: 01/23/2017

DATE: 02/09/2017

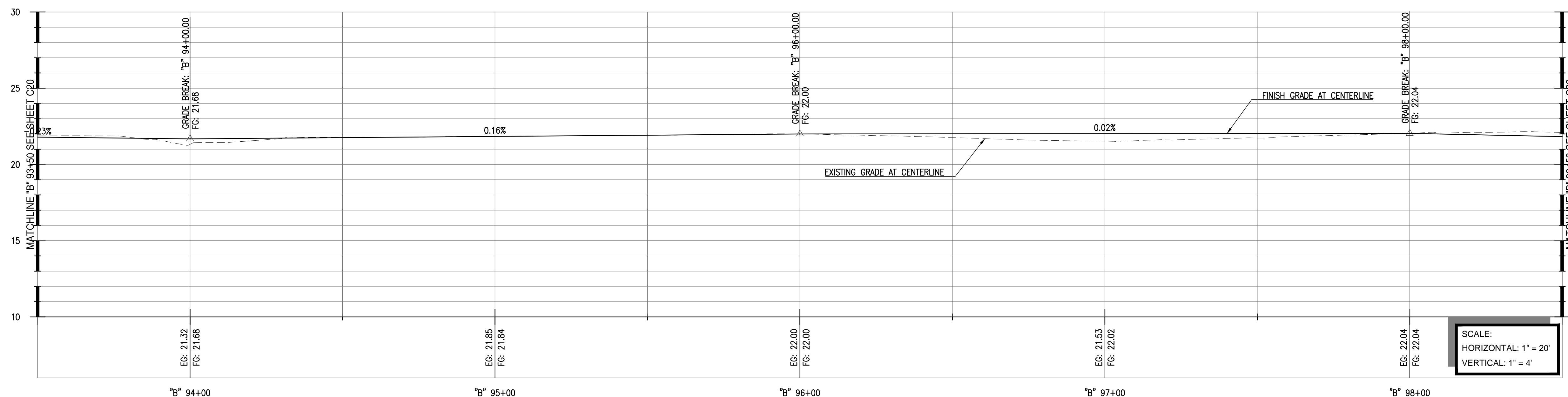
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SHEET TITLE

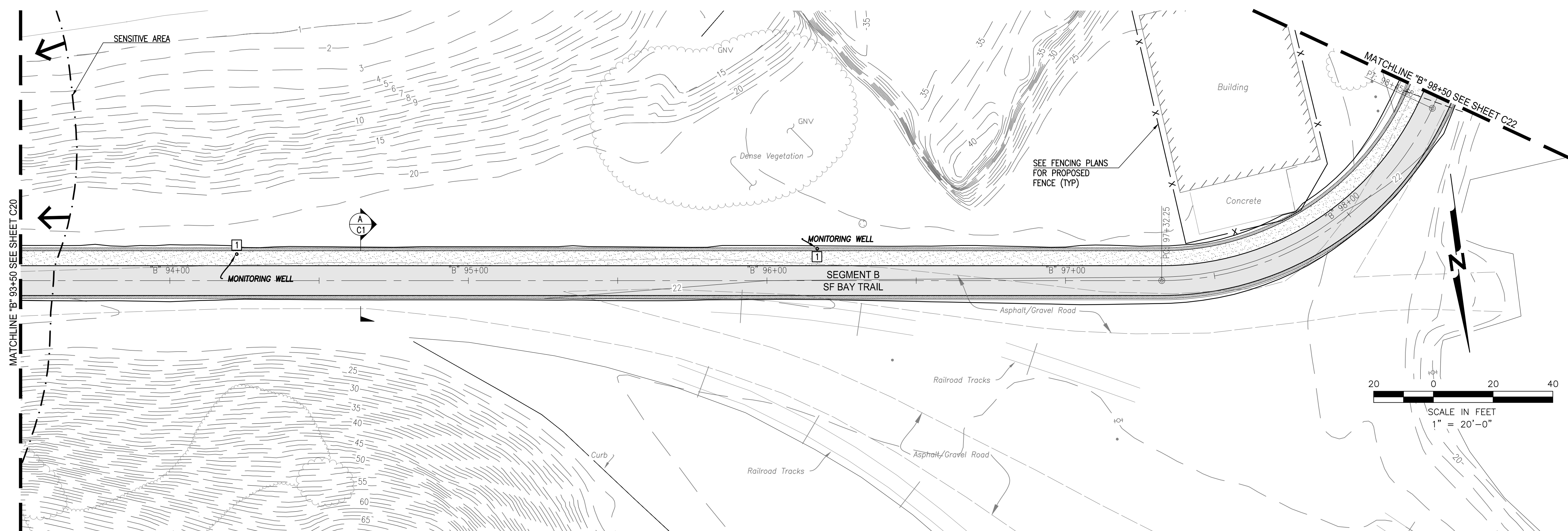
**TRAIL GRADING PLAN
AND PROFILE "B" 93+50
TO "B" 98+50**

DRAWING
C21

SHEET 40 OF 63



SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 4'



KEYNOTES:

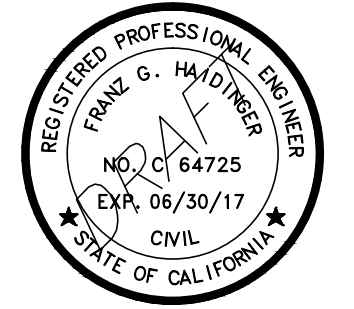
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- 2 UNKNOWN VALVE; PROTECT IN PLACE. ADJUST BOX AND COVER.

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**SAN FRANCISCO
 BAY TRAIL
 AT
 POINT MOLATE**

OWNER



**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

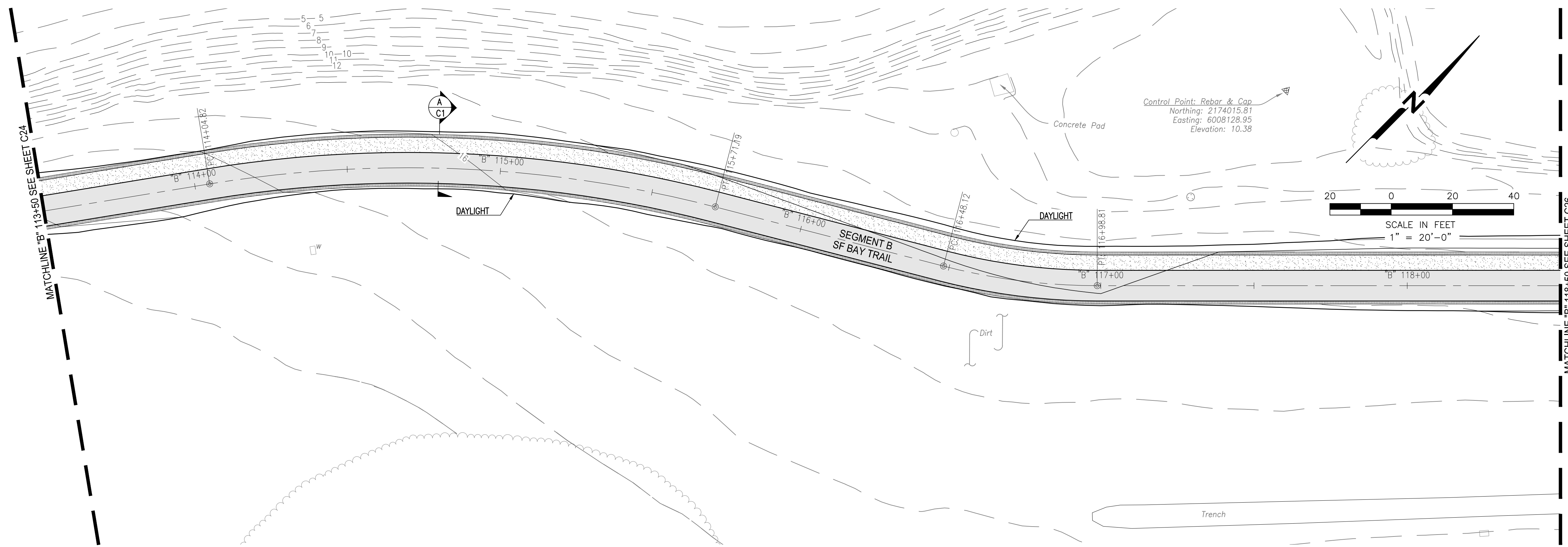
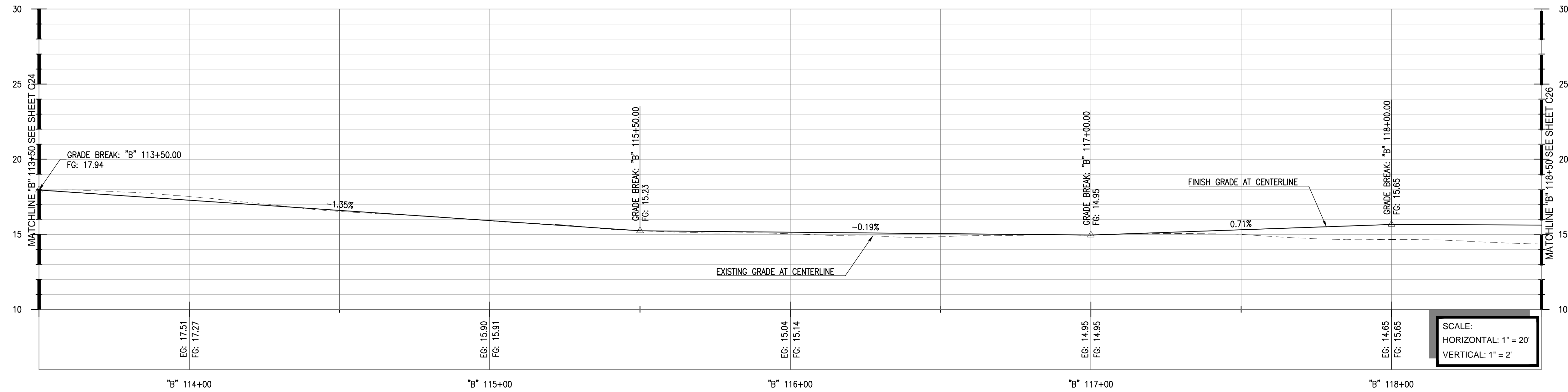
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SHEET TITLE

**TRAIL GRADING PLAN
 AND PROFILE "B"
 113+50 TO "B" 118+50**

DRAWING
C25

SHEET 44 OF 63



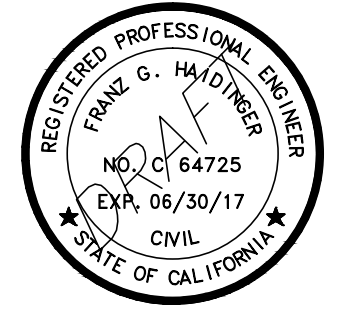
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**SAN FRANCISCO
BAY TRAIL
AT
POINT MOLATE**

OWNER



**EAST BAY REGIONAL
PARK DISTRICT**
2950 PERALTA OAKS CT,
OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

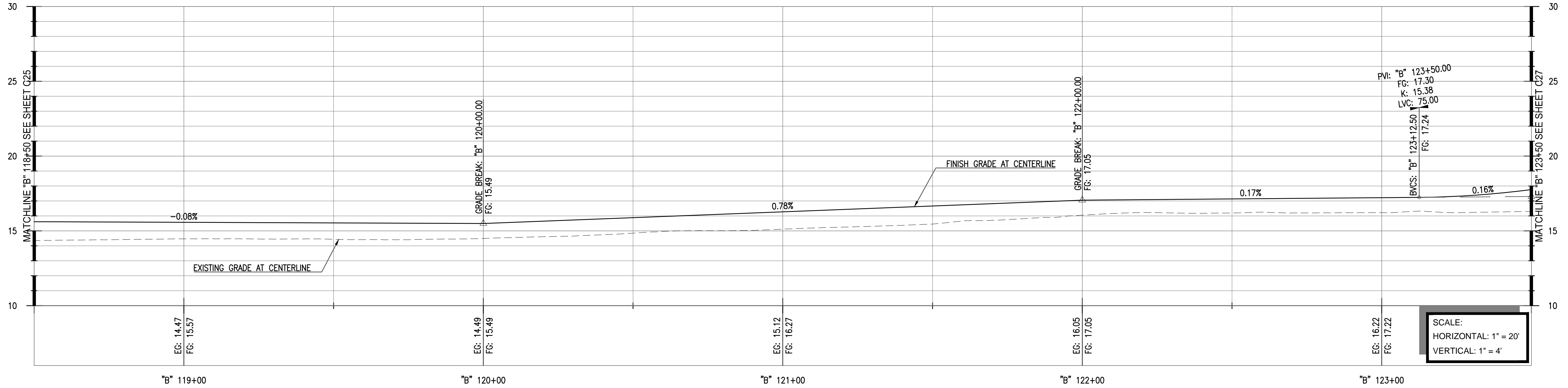
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SHEET TITLE

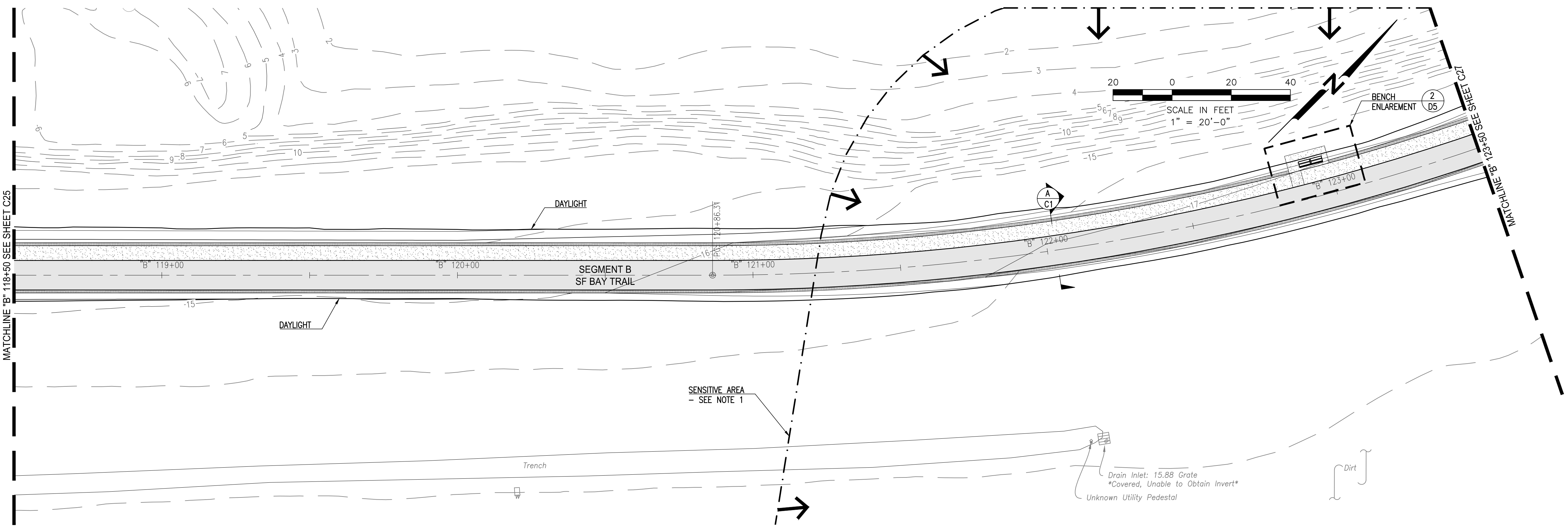
**TRAIL GRADING PLAN
AND PROFILE "B"
118+50 TO "B" 123+50**

DRAWING
C26

SHEET 45 OF 63



SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 4'



NOTE:
1. CONTRACTOR SHALL IMPLEMENT PROTOCOLS TO AVOID IMPACTS TO THE WINEHAVEN HISTORIC DISTRICT, WHICH OCCURS WITHIN THIS VICINITY.

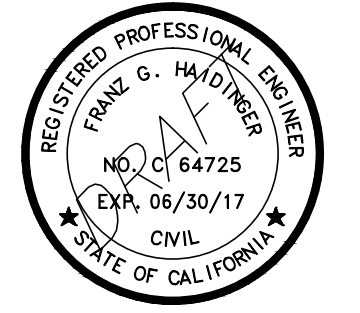
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**SAN FRANCISCO
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 AT
 POINT MOLATE**

OWNER



**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

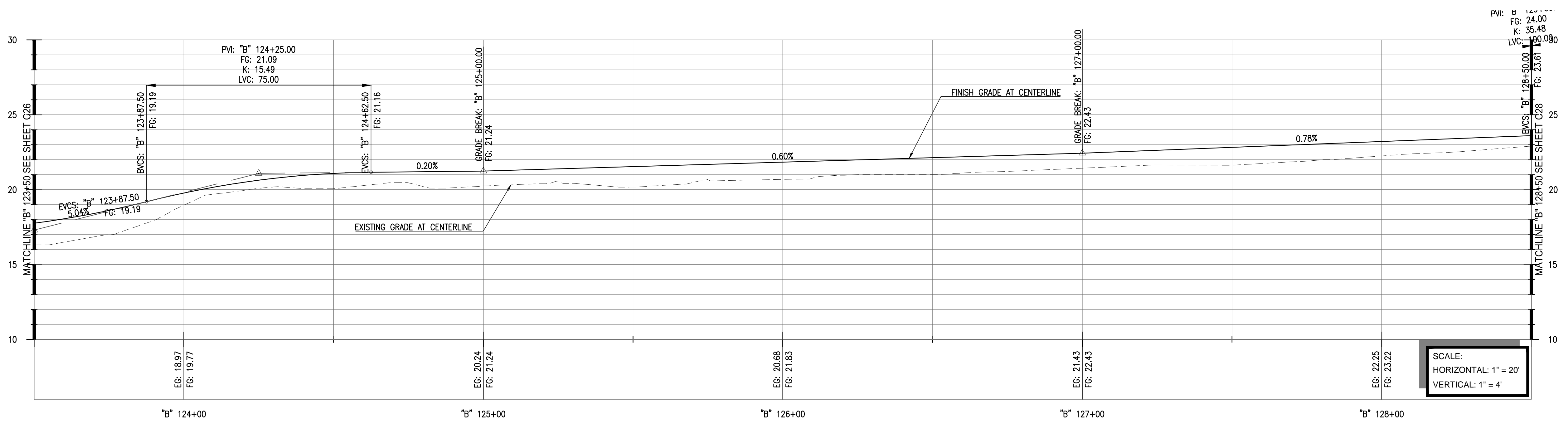
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SHEET TITLE

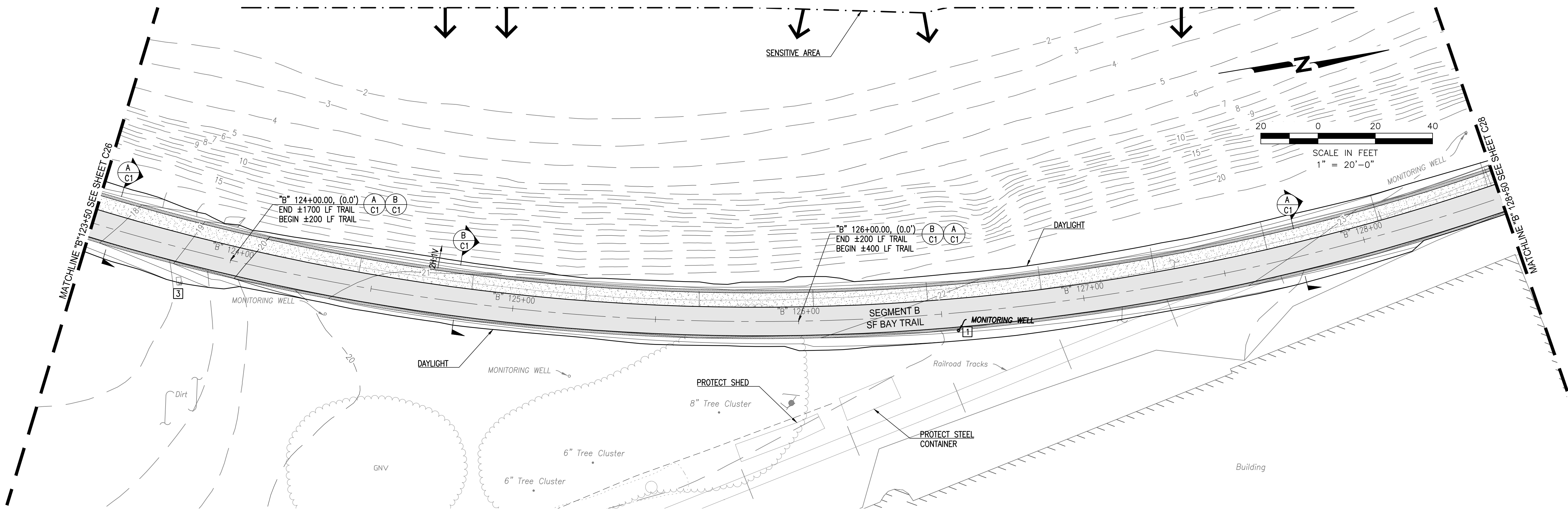
**TRAIL GRADING PLAN
 AND PROFILE "B"
 123+50 TO "B" 128+50**

DRAWING
C27

SHEET 46 OF 63



SCALE:
 HORIZONTAL: 1" = 20'
 VERTICAL: 1" = 4'



- KEYNOTES:**
- MONITORING WELL; PROTECT IN PLACE. ADJUST BOX AND COVER.
 - UNKNOWN VALVE; PROTECT IN PLACE. ADJUST BOX AND COVER.
 - IRRIGATION VALVE; PROTECT IN PLACE. ADJUST BOX AND COVER.

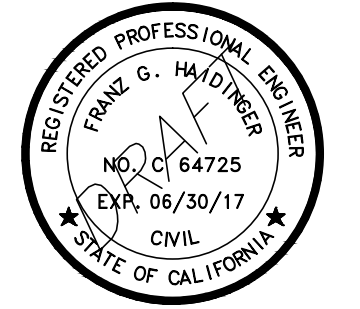
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**SAN FRANCISCO
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**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

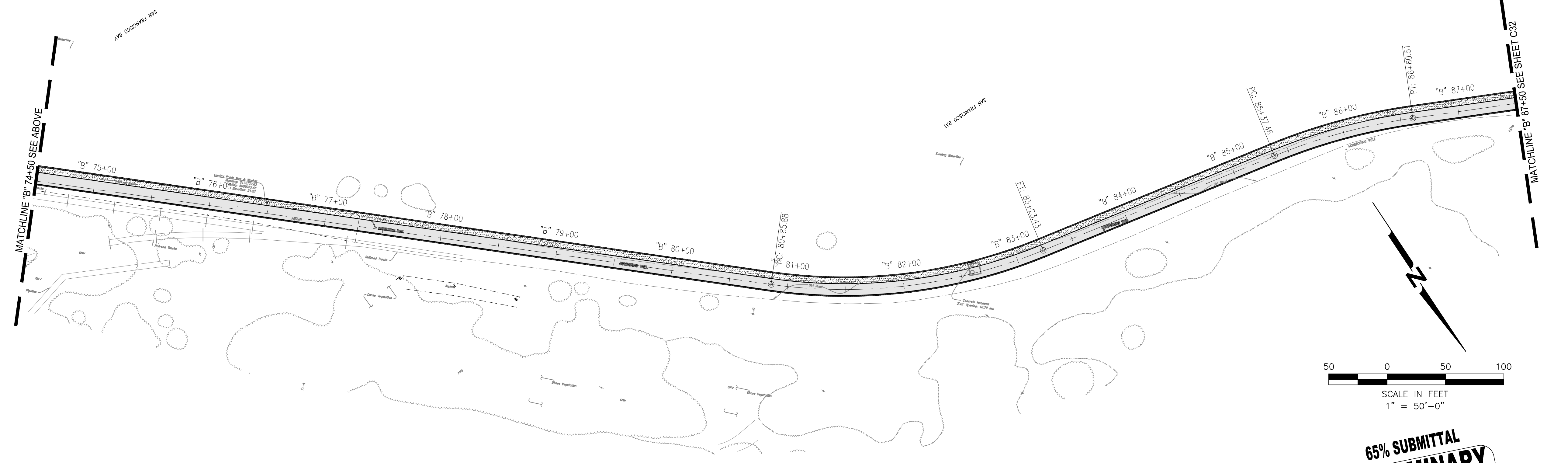
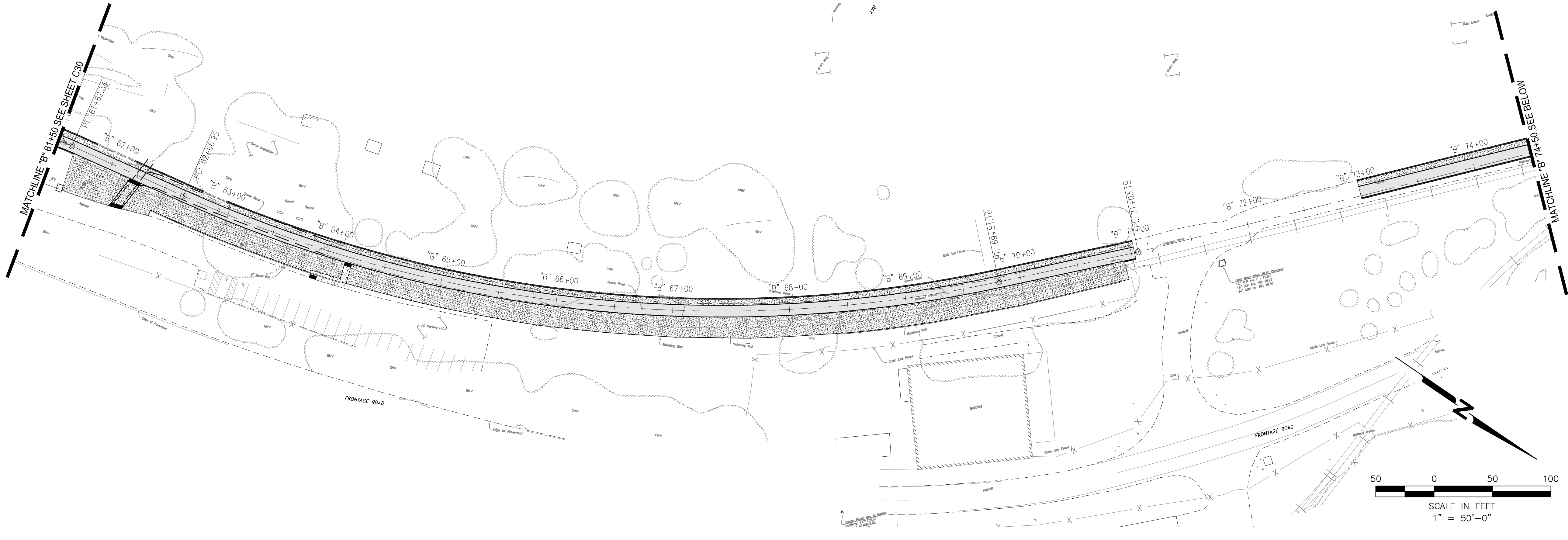
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SHEET TITLE

**FENCING PLAN "B" 61+50
 TO "B" 87+50**

DRAWING
C31

SHEET 50 OF 63



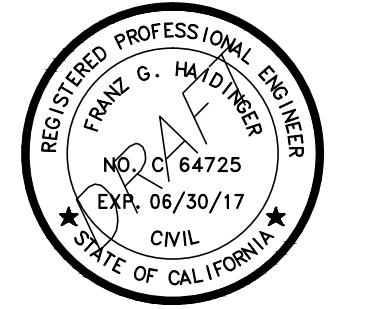
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**SAN FRANCISCO
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 AT
 POINT MOLATE**

OWNER



**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

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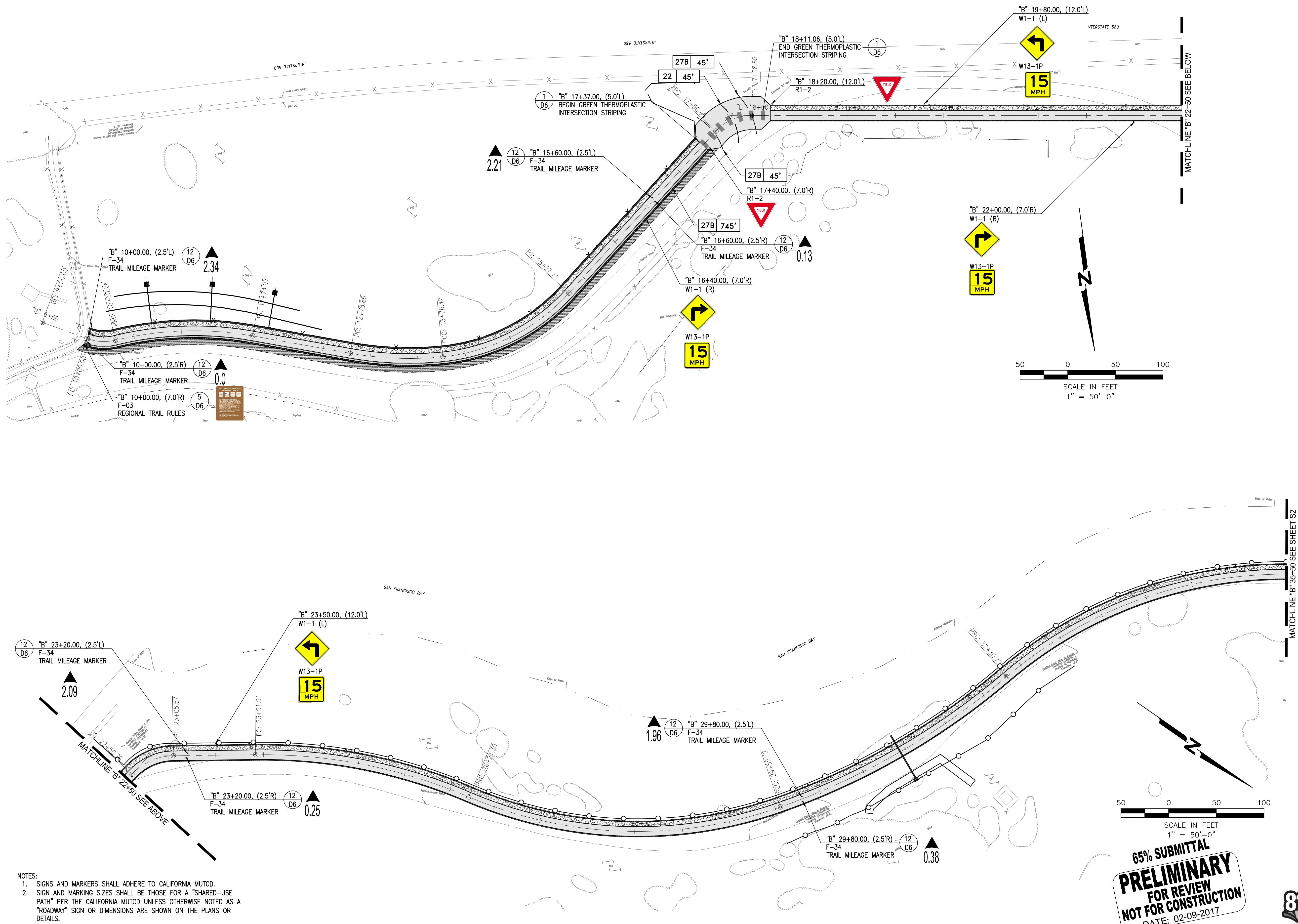
SHEET TITLE

**STRIPING AND SIGNAGE
 PLAN "B" 9+50 TO "B"
 35+50**

DRAWING

S1

SHEET 53 OF 63



- NOTES:
- SIGNS AND MARKERS SHALL ADHERE TO CALIFORNIA MUTCD.
 - SIGN AND MARKING SIZES SHALL BE THOSE FOR A "SHARED-USE PATH" PER THE CALIFORNIA MUTCD UNLESS OTHERWISE NOTED AS A "ROADWAY" SIGN OR DIMENSIONS ARE SHOWN ON THE PLANS OR DETAILS.

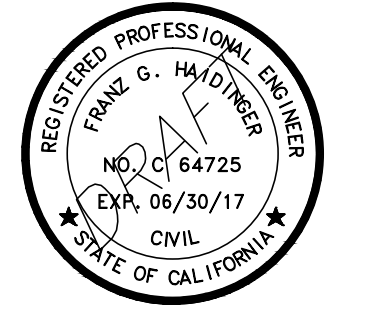
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 FOR REVIEW
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 DATE: 02-09-2017**



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**SAN FRANCISCO
 BAY TRAIL
 AT
 POINT MOLATE**

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**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

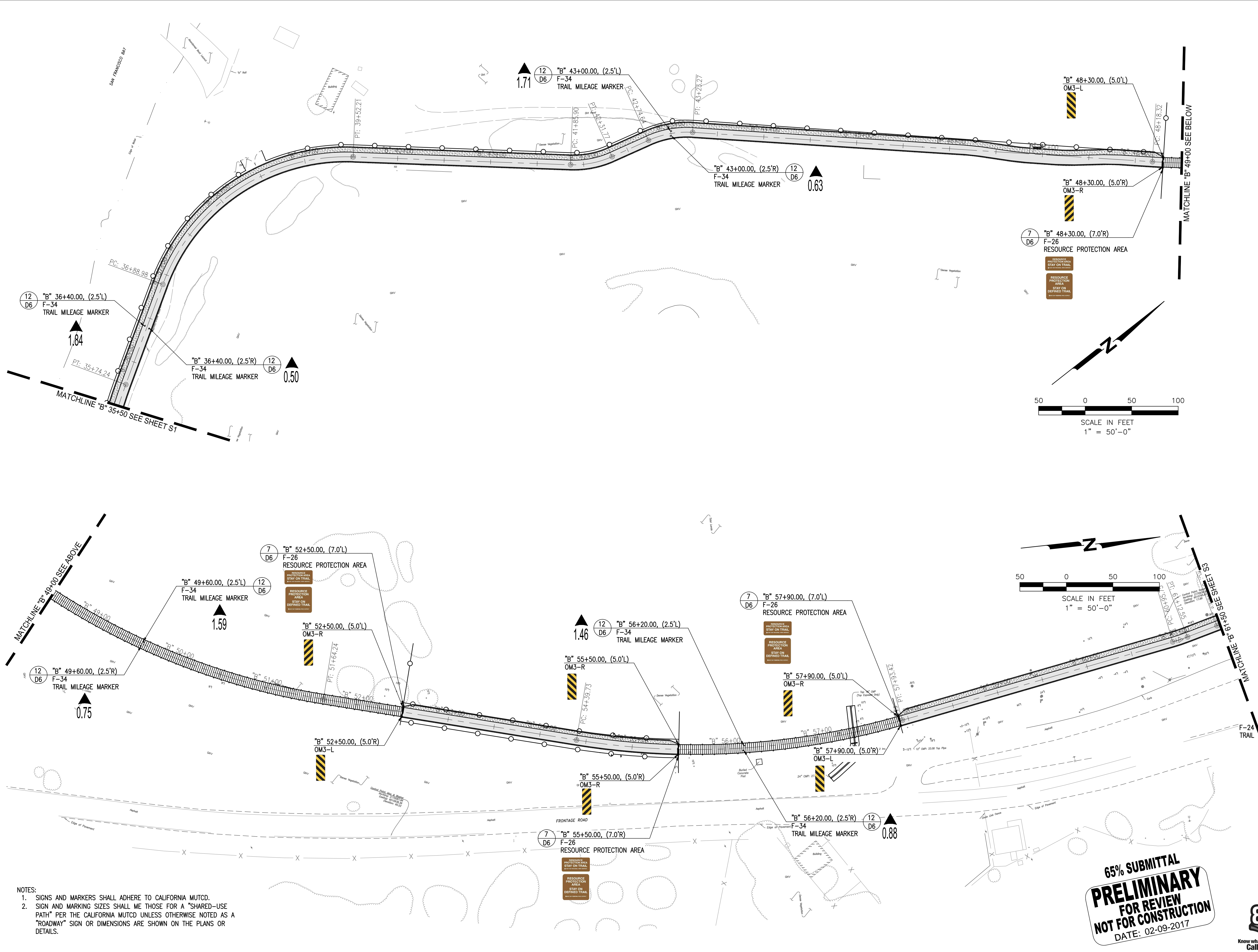
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SHEET TITLE

**STRIPING AND SIGNAGE
 PLAN "B" 35+50 TO "B"
 61+50**

DRAWING
S2

SHEET 54 OF 63



- NOTES:
- SIGNS AND MARKERS SHALL ADHERE TO CALIFORNIA MUTCD.
 - SIGN AND MARKING SIZES SHALL BE THOSE FOR A "SHARED-USE PATH" PER THE CALIFORNIA MUTCD UNLESS OTHERWISE NOTED AS A "ROADWAY" SIGN OR DIMENSIONS ARE SHOWN ON THE PLANS OR DETAILS.

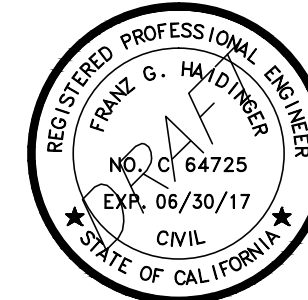
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**SAN FRANCISCO
BAY TRAIL
AT
POINT MOLATE**

OWNER



**EAST BAY REGIONAL
PARK DISTRICT**
2950 PERALTA OAKS CT,
OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO: 567.04.55

DESIGNED BY: J.B.

DRAWN BY: A.P., K.H., S.D.

CHECKED BY: J.N. DATE: 01/23/2017

DATE: 02/09/2017

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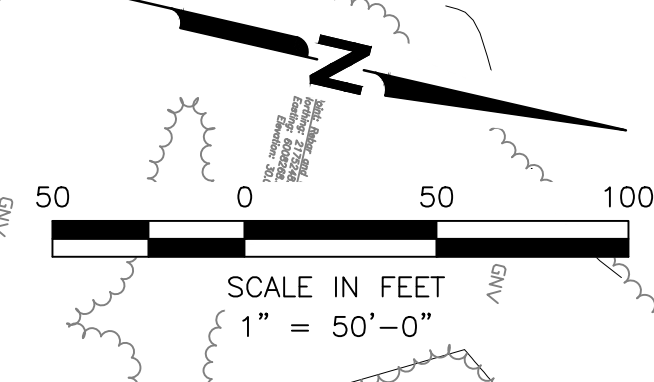
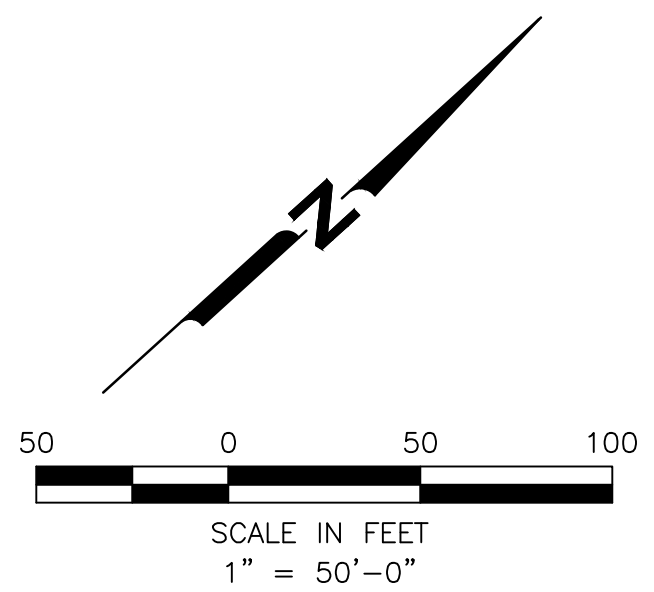
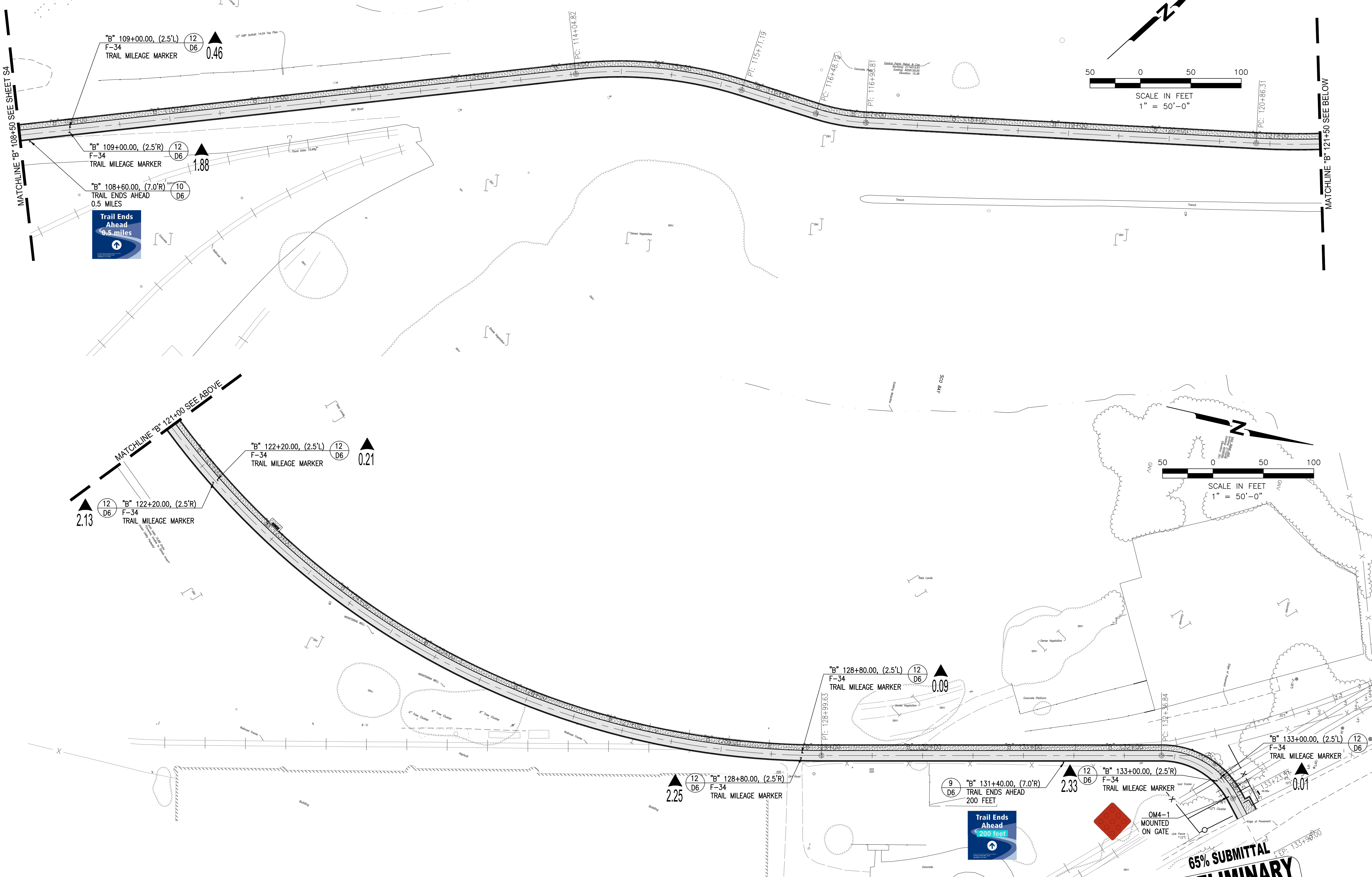
SHEET TITLE

**STRIPING AND SIGNAGE
PLAN "B" 108+50 TO "B"
133+90**

DRAWING

S5

SHEET 57 OF 63

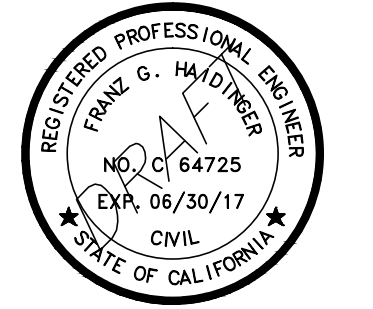


- NOTES:
- SIGNS AND MARKERS SHALL ADHERE TO CALIFORNIA MUTCD.
 - SIGN AND MARKING SIZES SHALL ME THOSE FOR A "SHARED-USE PATH" PER THE CALIFORNIA MUTCD UNLESS OTHERWISE NOTED AS A "ROADWAY" SIGN OR DIMENSIONS ARE SHOWN ON THE PLANS OR DETAILS.

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PRELIMINARY
FOR REVIEW
NOT FOR CONSTRUCTION
DATE: 02-09-2017**



File: P:\active_projects\east_bay_regional_park.dwg - 2/9/2017 9:25am - 10:30:20.02 (JMS Tech)



**SAN FRANCISCO
BAY TRAIL
AT
POINT MOLATE**

OWNER



**EAST BAY REGIONAL
PARK DISTRICT**
2950 PERALTA OAKS CT,
OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

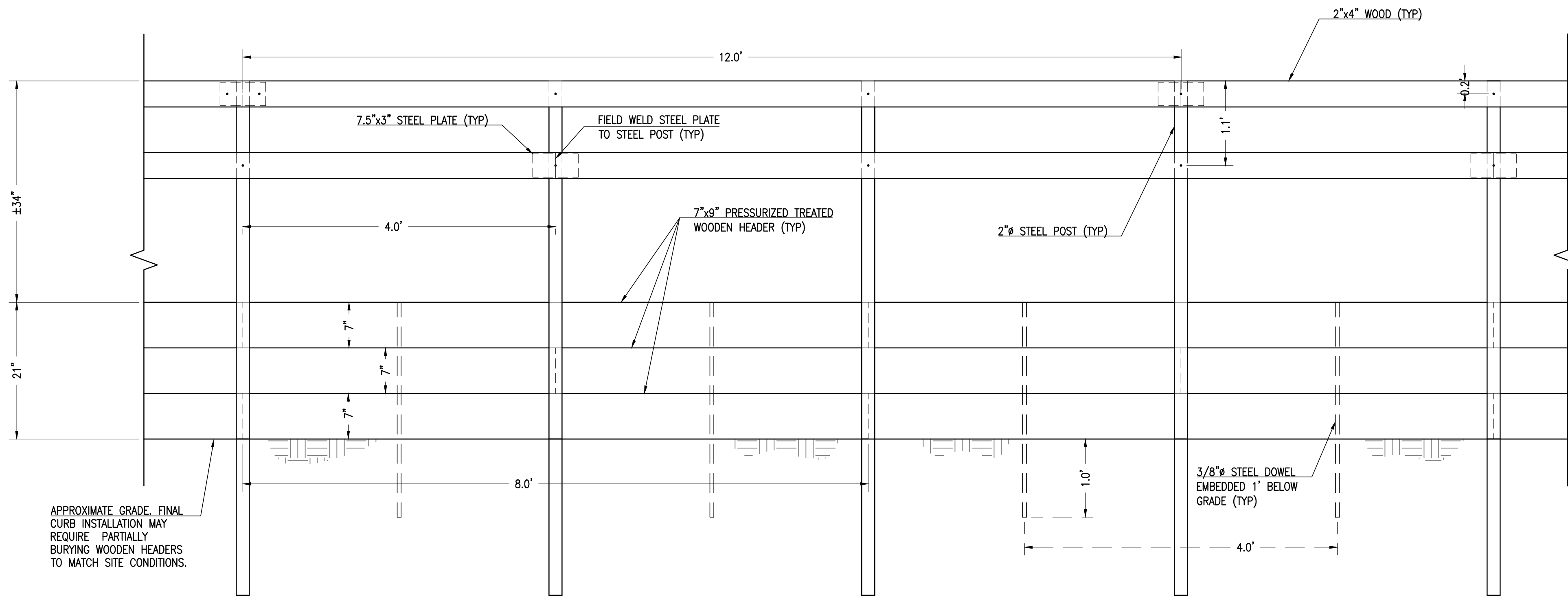
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SHEET TITLE

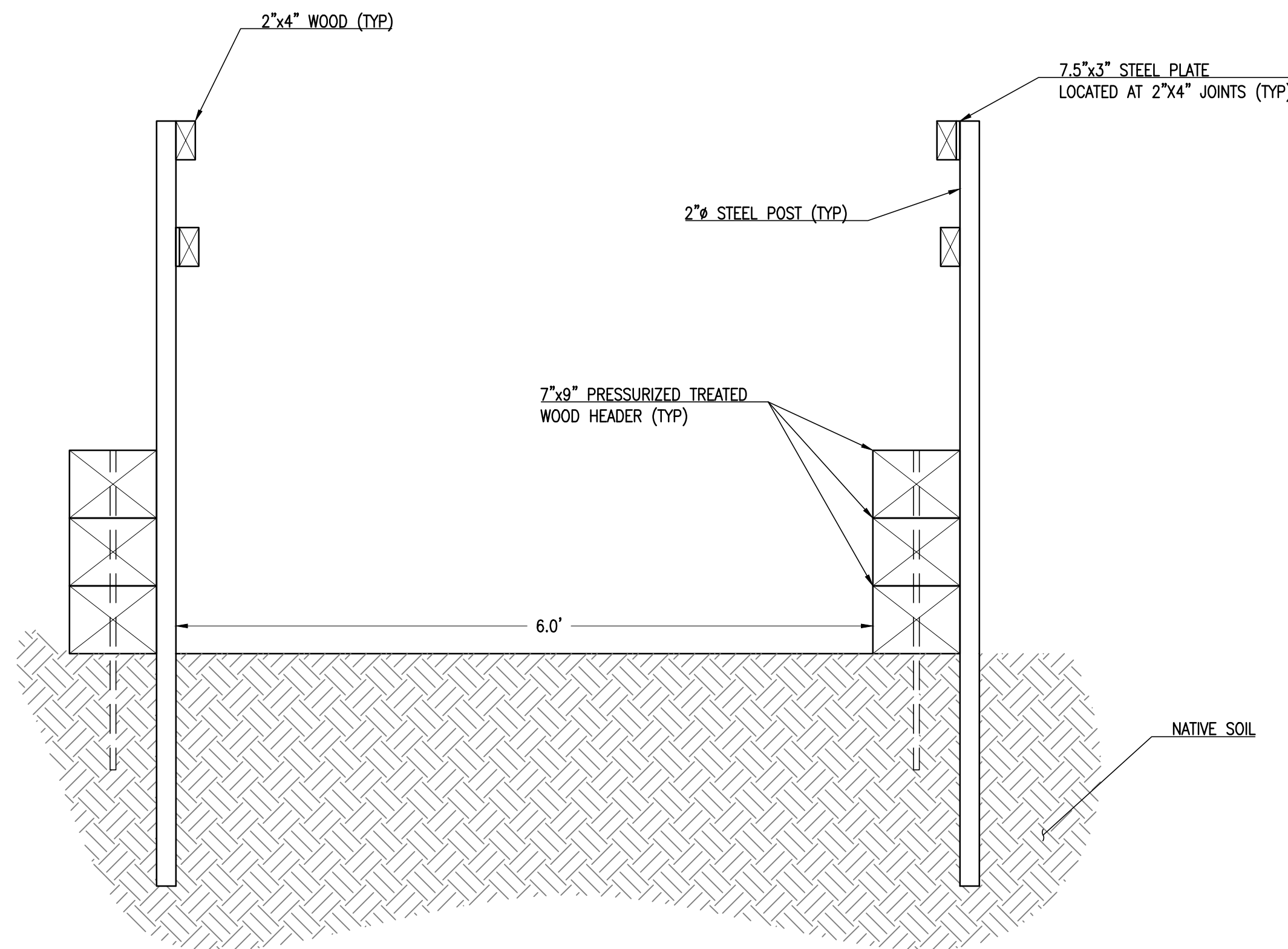
FENCING DETAIL 2

DRAWING

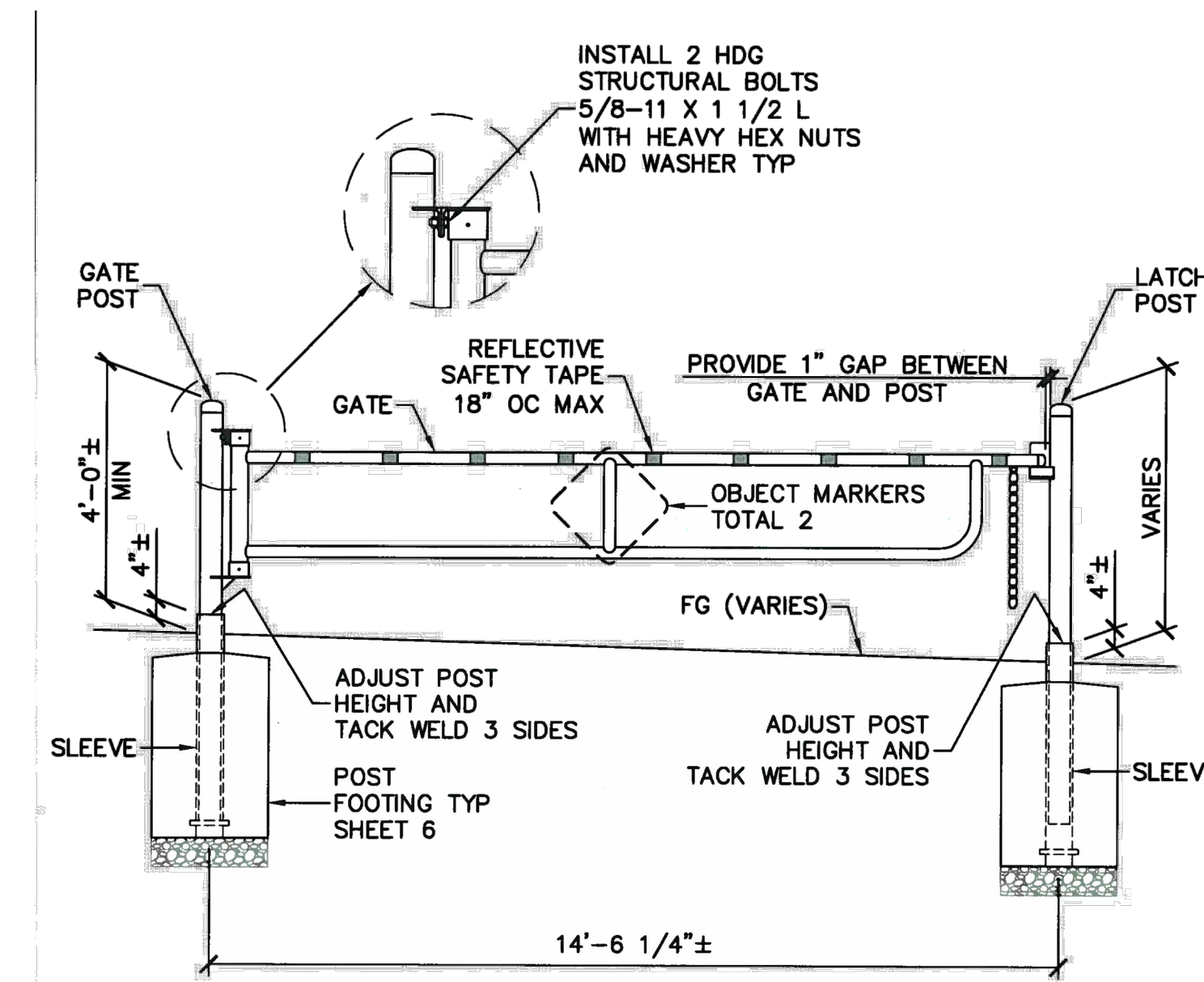
D2



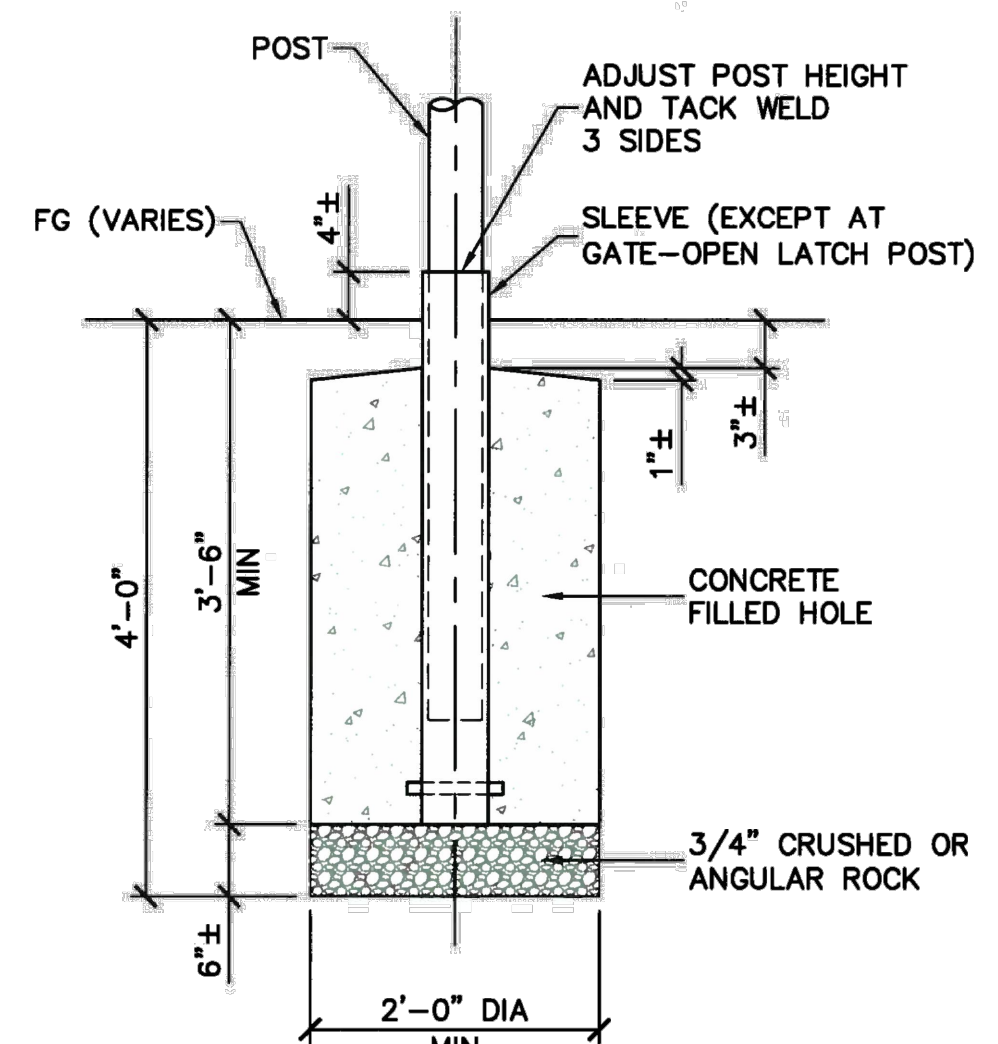
A
D2
RAMP FENCE AND WOODEN RETAINING CURB
NTS



B
D2
RAMP FENCE
NTS



1
D2
SINGLE PIPE GATE
NTS



POST FOOTING

SOURCE: EAST BAY REGIONAL PARK DISTRICT - STANDARD PLANS 301

NOTES:

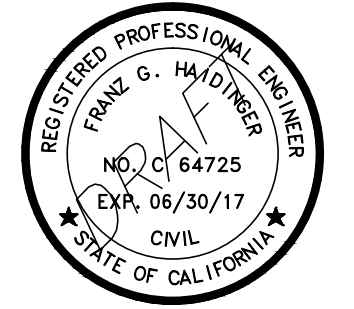
- FOR A COMPLETE INSTALLATION, ONE (1) GATE-OPEN LATCH POST IS REQUIRED AS SHOWN ON DETAIL 3/D5.
- FOR ADDITIONAL CONSTRUCTION NOTES REFER TO EAST BAY REGIONAL PARK DISTRICT STANDARD PLANS 301.
- FOR PIPE GATE FABRICATION, REFER TO EAST BAY REGIONAL PARK DISTRICT STANDARD PLANS 380.

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DATE: 02-09-2017**





501 Canal Blvd., Suite 1
Richmond, Ca. 94804
(510) 215-3620 * Fax (510) 215-2898



**SAN FRANCISCO
BAY TRAIL
AT
POINT MOLATE**

OWNER



**EAST BAY REGIONAL
PARK DISTRICT**
2950 PERALTA OAKS CT,
OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N. DATE: 01/23/2017
DATE:	02/09/2017

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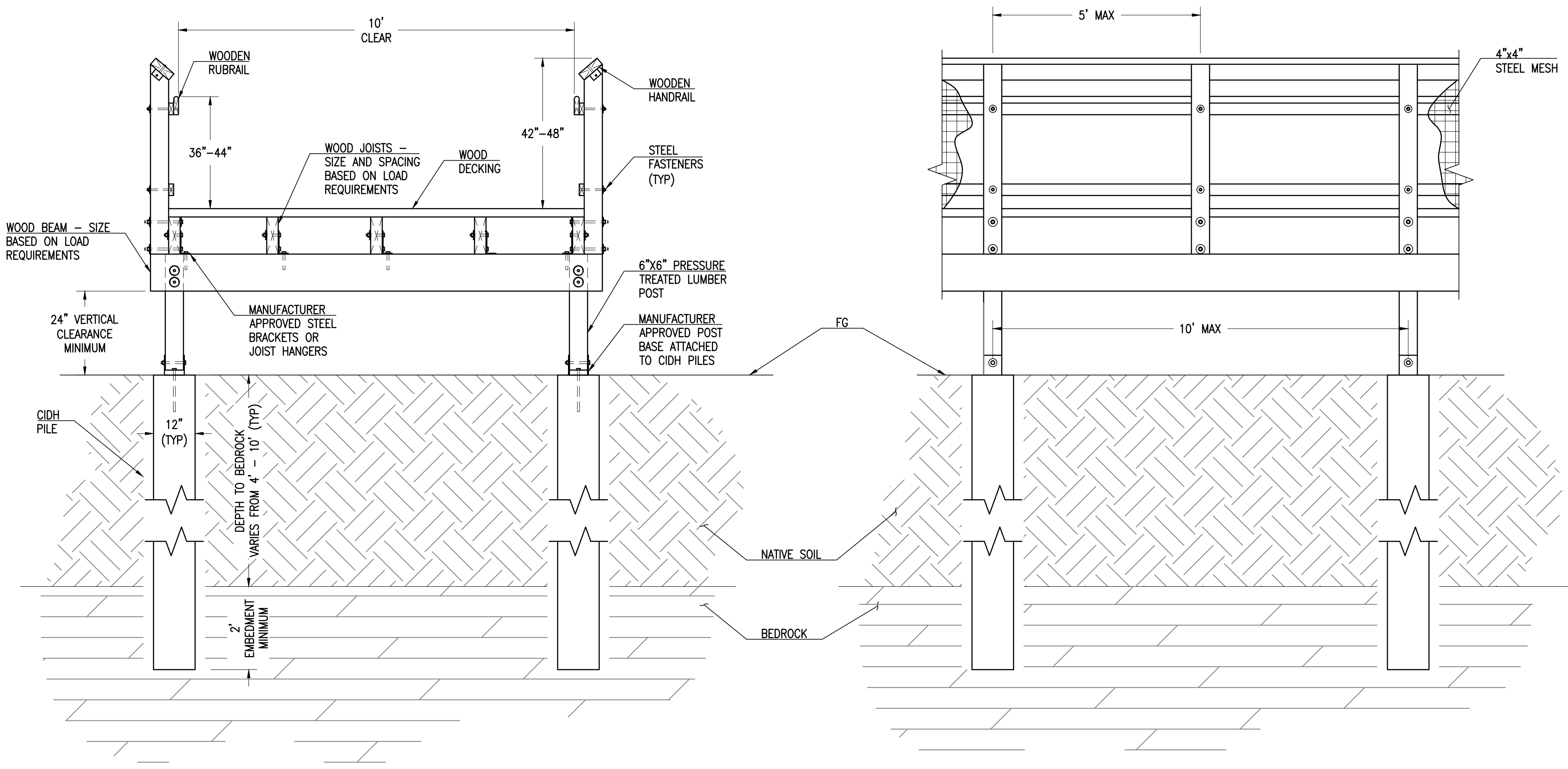
SHEET TITLE
BOARDWALK DETAILS

DRAWING
D3

SHEET 60 OF 63

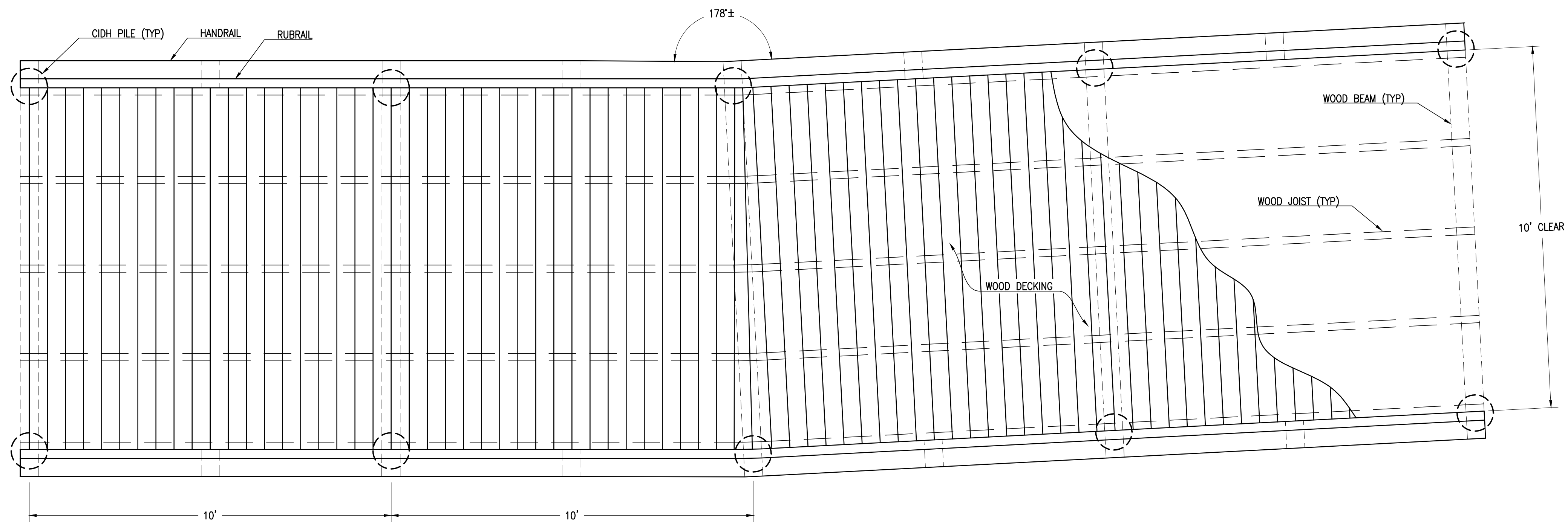
BOARDWALK GENERAL NOTES:

- LIMITATIONS**
THE WOODEN BOARDWALK PLANS, ELEVATIONS, AND DETAILS ARE CONCEPTUAL IN NATURE ONLY AND ARE SHOWN TO AID THE CONTRACTOR IN THE BIDDING PROCESS. THEY ARE NOT TO BE USED DURING ACTUAL CONSTRUCTION. NO ADDITIONAL PAYMENTS SHALL BE PROVIDED FOR THE DESIGN AND/OR CONSTRUCTION OF THE BOARDWALK BEYOND THAT WHICH IS ACCOUNTED FOR IN THE SUBMITTED BID.
- CONTRACTOR RESPONSIBILITY**
THE CONTRACTOR SHALL FURNISH FULLY DETAILED WOODEN BOARDWALK PLANS, ELEVATIONS, CONNECTION DETAILS, AND STRUCTURAL CALCULATIONS SIGNED AND STAMPED BY A REGISTERED STRUCTURAL ENGINEER.
- CODES**
WOODEN BOARDWALK PLANS SHALL BE BASED ON AASHTO LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES (DECEMBER 2009 EDITION WITH 2015 INTERIM REVISIONS) AND THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (2015 EDITION). PLANS SHALL ADHERE TO ALL LOCAL AGENCY BUILDING CODES.
- LOADS**
THE CONTRACTOR SHALL AT A MINIMUM USE THE FOLLOWING LOAD PARAMETERS FOR DESIGN OF THE WOODEN BOARDWALK:
PEDESTRIAN: LIVE LOAD = 90 PSF
SINGLE VEHICLE: AASHTO H5 DESIGN VEHICLE (10,000 LBS)
SOILS REPORT BY: CAL ENGINEERING & GEOLOGY, INC.*
RECOMMENDED FOUNDATION OPTION = CIDH PILES (12 INCH DIAMETER MINIMUM)
DEPTH TO BEDROCK = VARIES BETWEEN 4 AND 10 FEET
MINIMUM CIDH PILE EMBEDMENT = 2 FEET INTO BEDROCK
CIDH PILE ALLOWABLE VERTICAL BEARING CAPACITY = 5,000 PSF
* "GEOTECHNICAL DESIGN AND MATERIALS REPORT" DATED AUGUST 2, 2016 IS INCLUDED IN THE BID DOCUMENTS.
- MATERIALS**
WOOD: ALL DIMENSIONAL LUMBER SHALL BE DOUGLAS FIR #2 OR BETTER. WOODEN POSTS ATTACHED TO THE FOUNDATION SHALL BE PRESSURE TREATED LUMBER RATED AT AWPA U1 USE CATEGORY 4C (GROUND CONTACT EXTREME DUTY).
FASTENERS AND CONNECTORS: ALL FASTENERS AND CONNECTORS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE EITHER HOT-DIP GALVANIZED OR STAINLESS STEEL.



SECTION

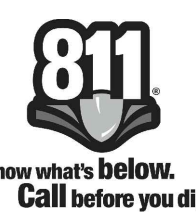
ELEVATION



PLAN

1
D3 WOODEN BOARDWALK
NTS

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DATE: 02-09-2017**



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 (510) 215-3620 * Fax (510) 215-2898



**SAN FRANCISCO
 BAY TRAIL
 AT
 POINT MOLATE**

OWNER



**EAST BAY REGIONAL
 PARK DISTRICT**
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION

PROJECT NO: 567.04.55

DESIGNED BY: J.B.

DRAWN BY: A.P., K.H., S.D.

CHECKED BY: J.N. DATE: 01/23/2017

DATE: 02/09/2017

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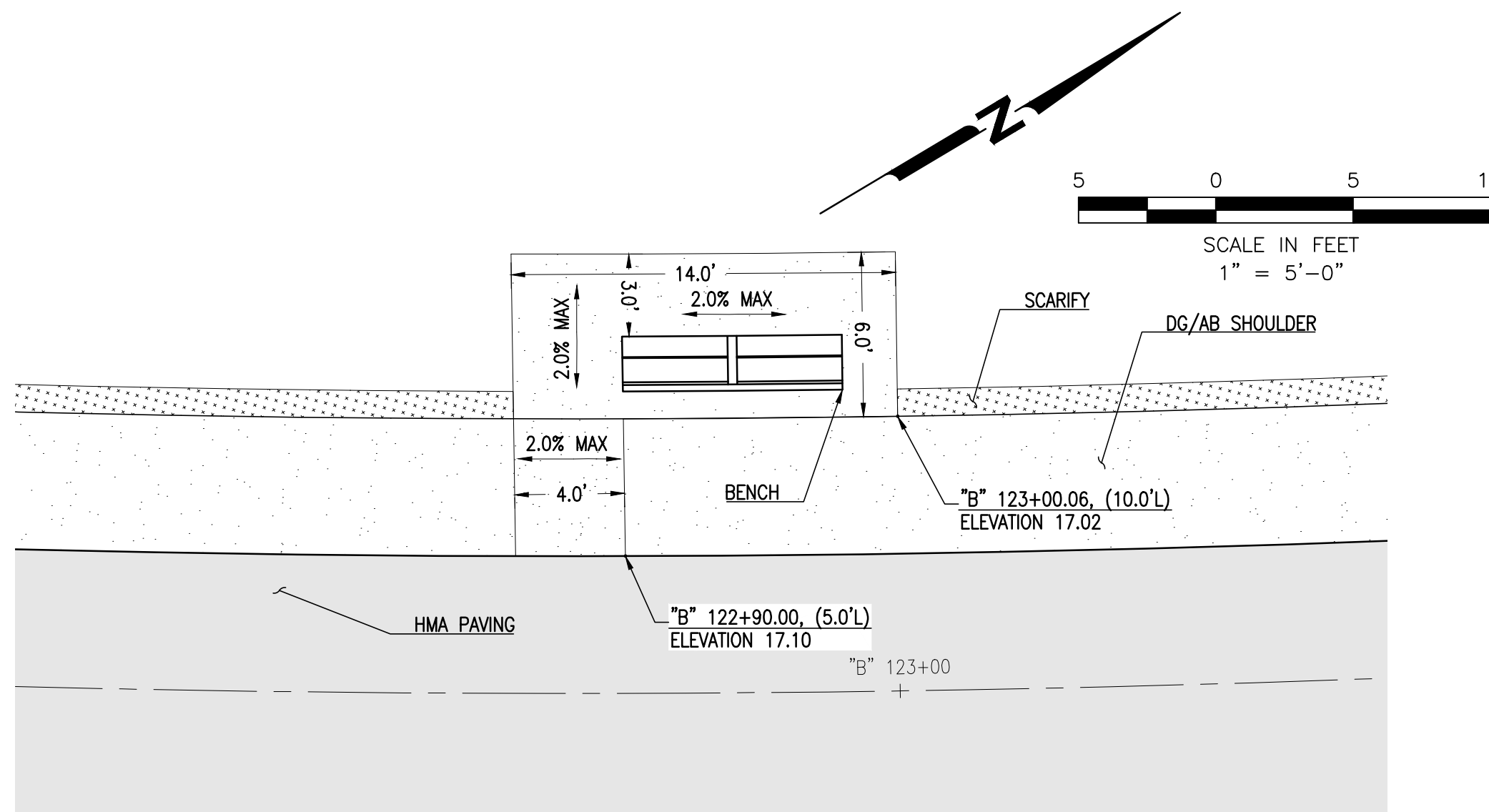
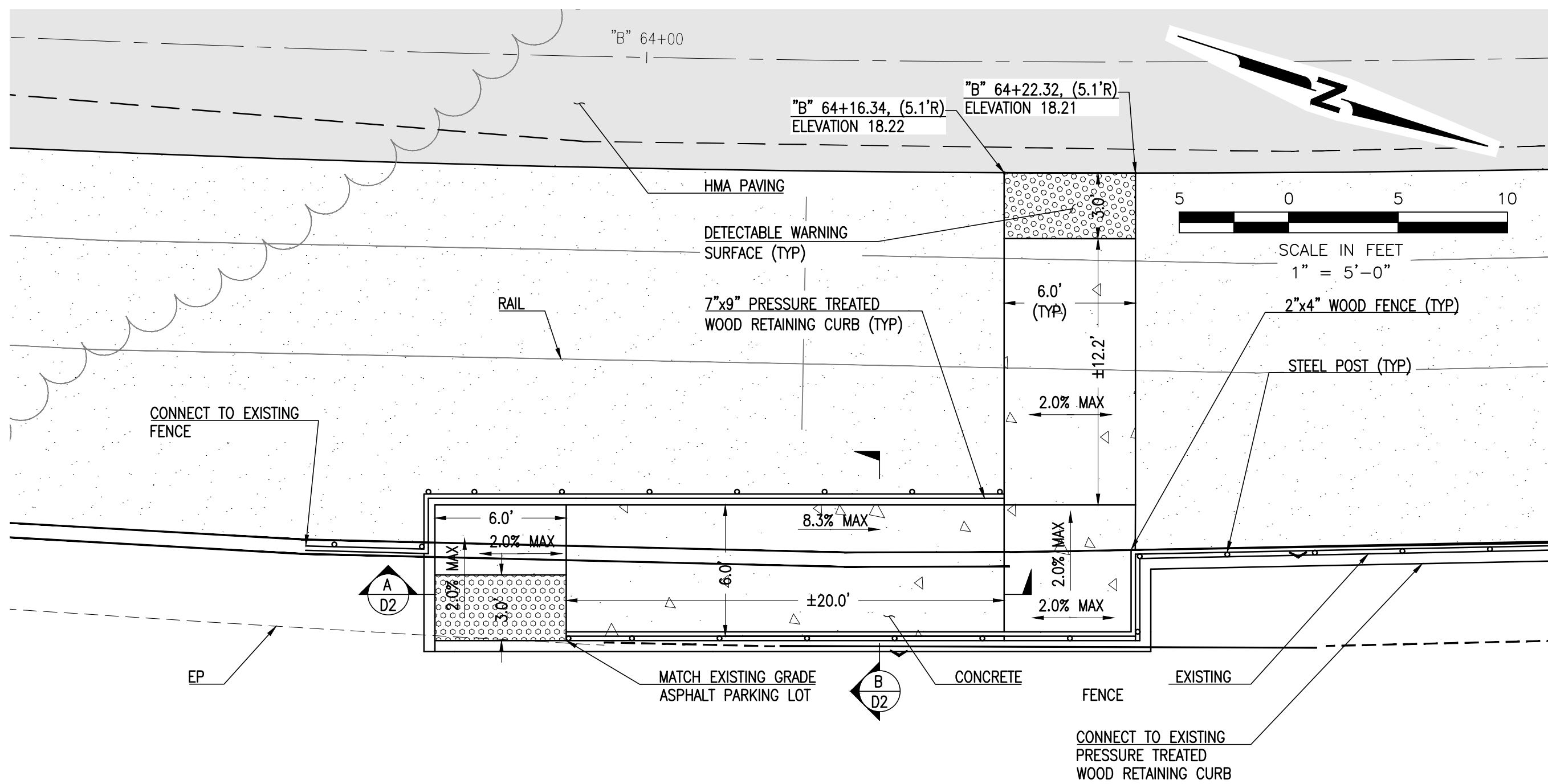
SHEET TITLE

CURB RAMP DETAILS

DRAWING

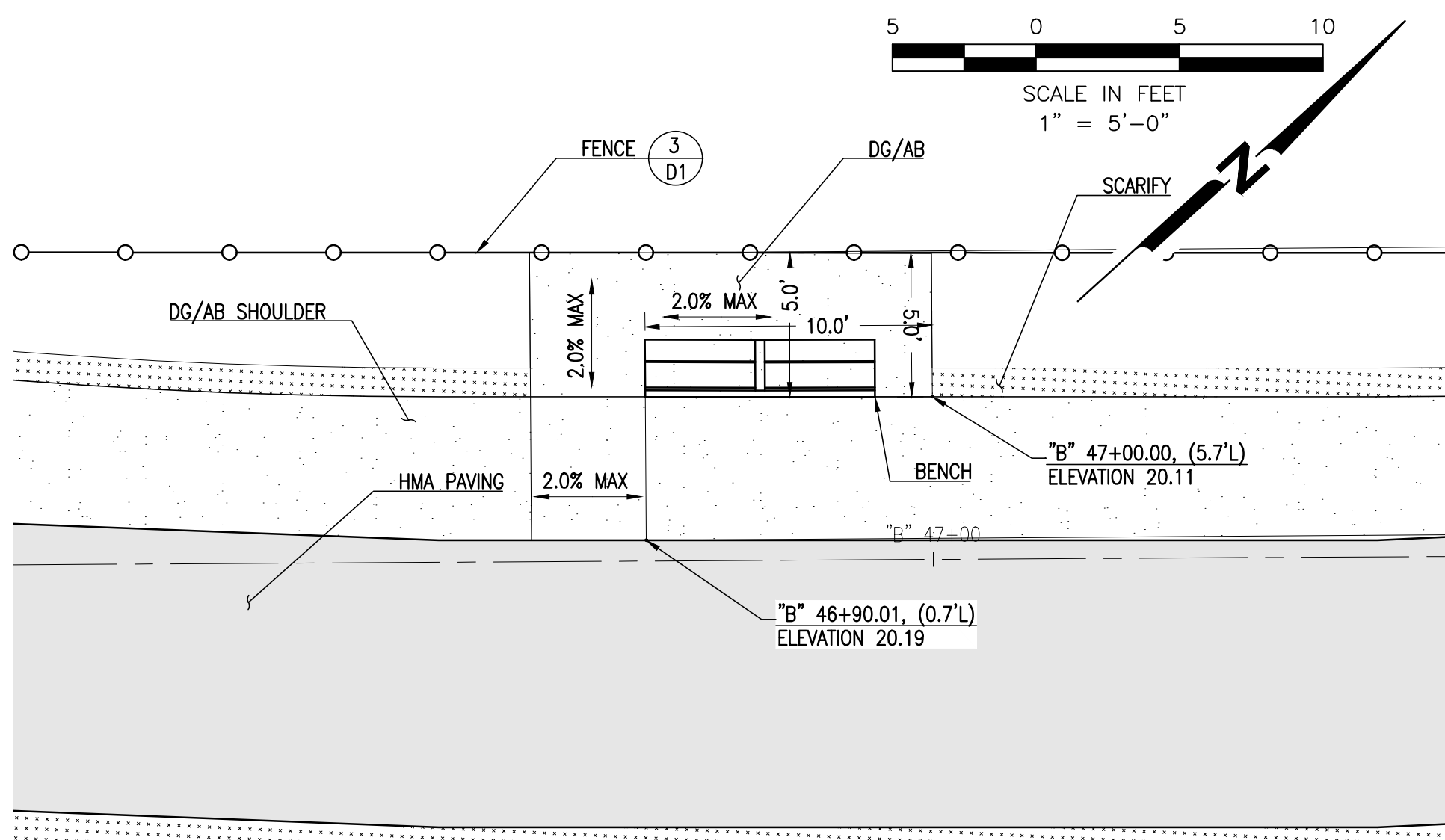
D5

SHEET 62 OF 63

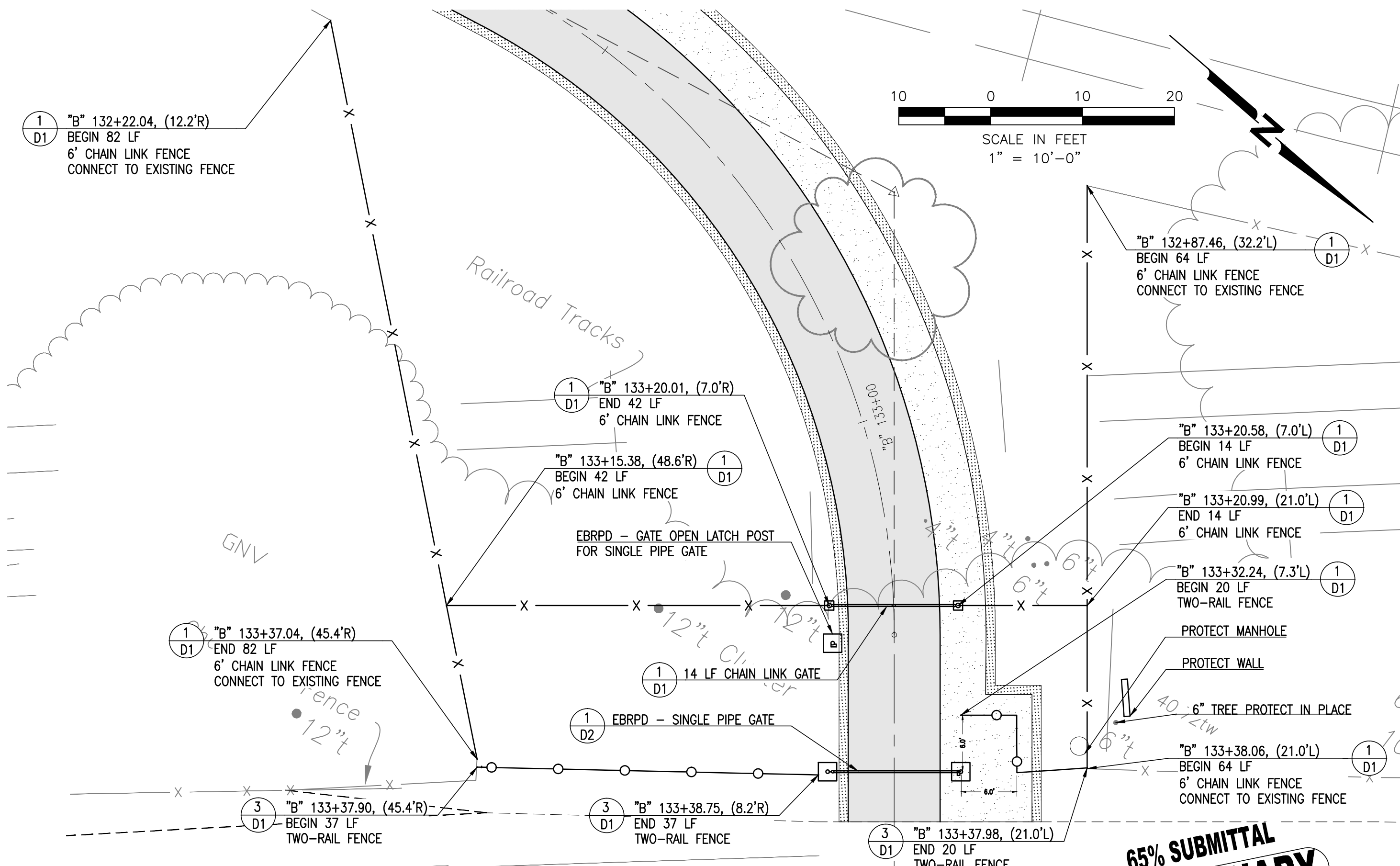


1
D5
RAMP
 Scale: 1" = 5'

2
D5
PARK BENCH
 Scale: 1" = 5'



3
D5
PARK BENCH
 Scale: 1" = 5'



4
D5
FENCING DETAIL
 Scale: 1" = 10'

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 FOR REVIEW
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 DATE: 02-09-2017**



Know what's below.
 Call before you dig.

File: P:\active_projects\point_bay_regional_park.dwg - 2/9/2017 4:20pm 1/8:50:50.00 (JMS:neer)



**SAN FRANCISCO
 BAY TRAIL
 AT
 POINT MOLATE**

OWNER
East Bay
 Regional Park District
 EAST BAY REGIONAL
 PARK DISTRICT
 2950 PERALTA OAKS CT,
 OAKLAND, CA 94605

NO.	DATE	DESCRIPTION
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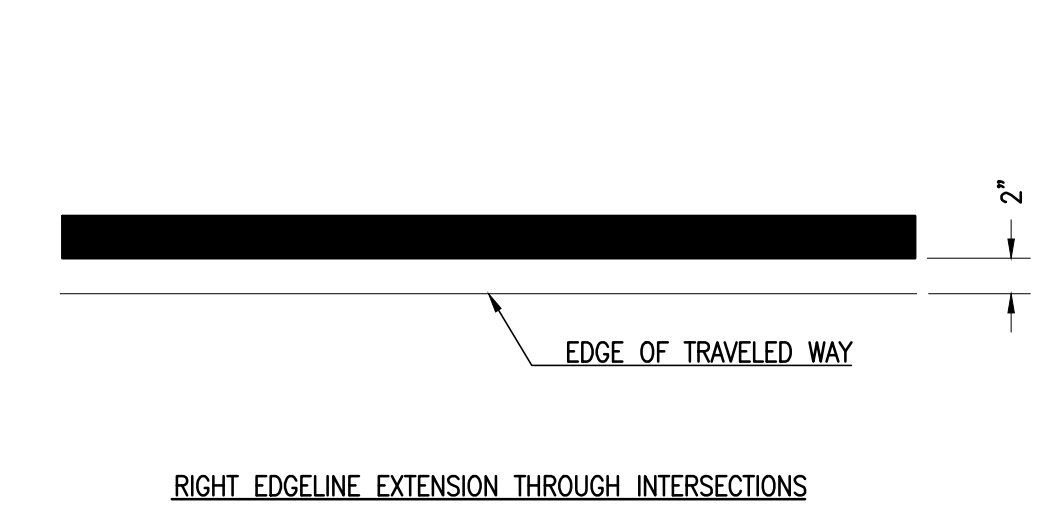
PROJECT NO:	567.04.55
DESIGNED BY:	J.B.
DRAWN BY:	A.P., K.H., S.D.
CHECKED BY:	J.N.
DATE:	01/23/2017
DATE:	02/09/2017

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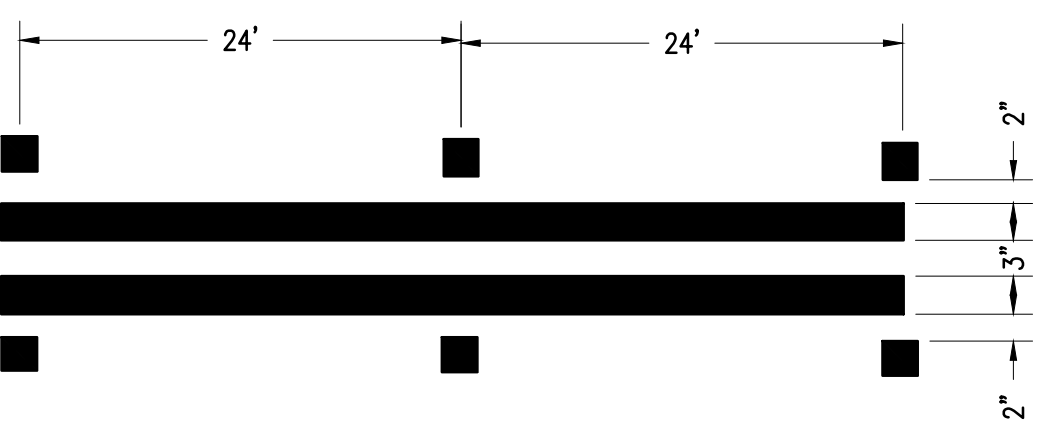
SHEET TITLE

**SIGNAGE AND
 STRIPING DETAILS**

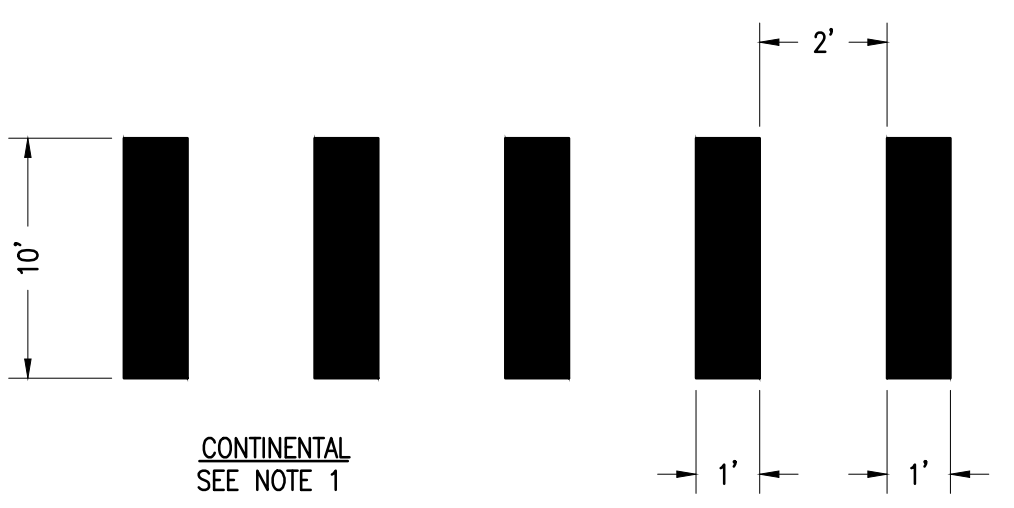
DRAWING
D6



4
 D6 CALTRANS DETAIL 27B
 NTS

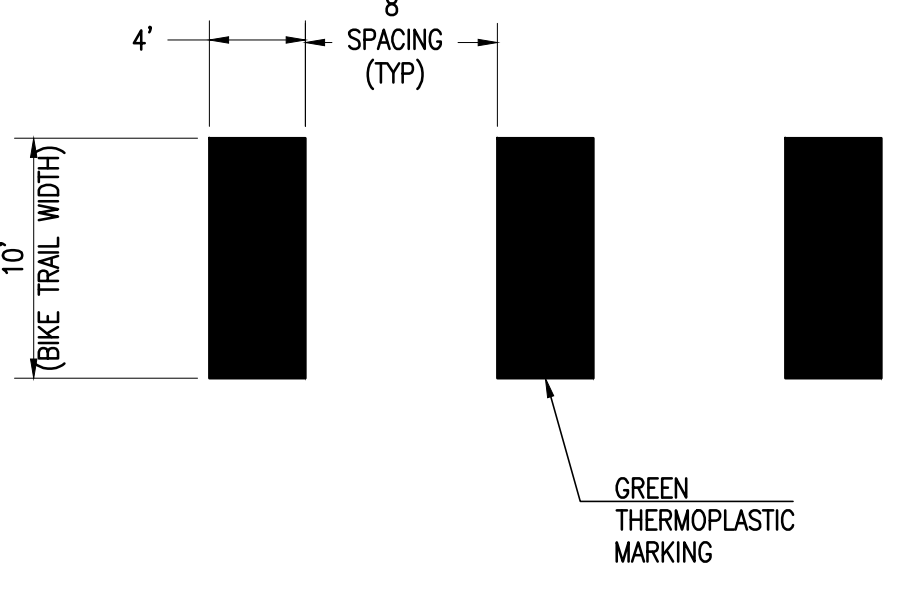


3
 D6 CALTRANS DETAIL 22
 NTS

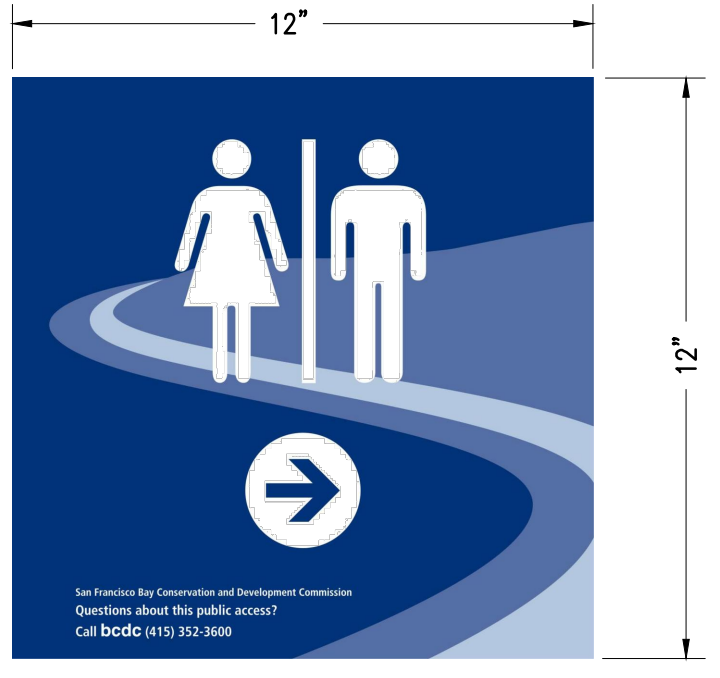


2
 D6 CALTRANS CONTINENTAL CROSSWALK
 NTS

- NOTES:
 1. SPACES BETWEEN MARKINGS SHOULD BE PLACED IN WHEEL TRACKS OF EACH LANE.
 2. SPACINGS NOT TO EXCEED 2.5 TIMES WIDTH OF LONGITUDINAL LINE.



1
 D6 INTERSECTION STRIPING
 NTS



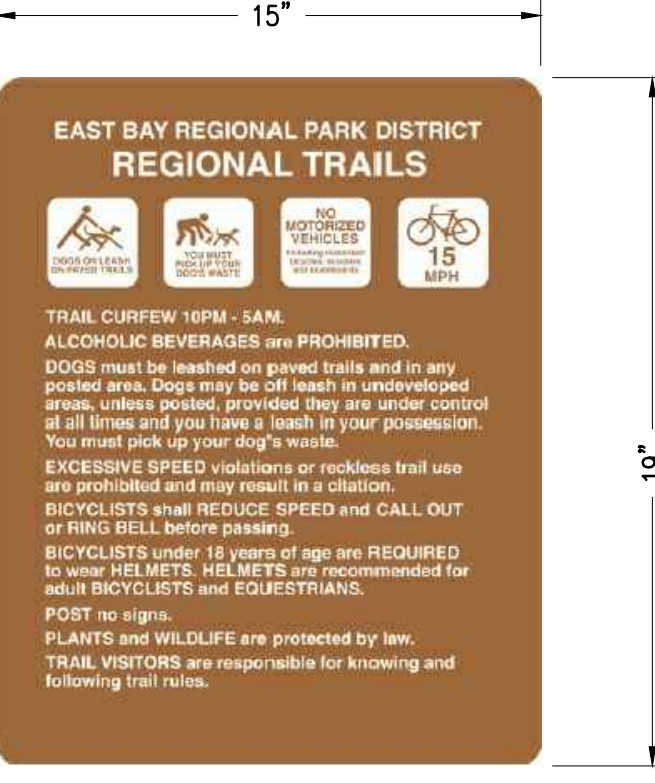
8
 D6 RESTROOM SIGN
 NTS
 SOURCE: SAN FRANCISCO BAY CONSERVATION AND DEVELOPMENT COMMISSION



7
 D6 F-26 RESOURCE PROTECTION AREA
 NTS
 SOURCE: EAST BAY REGIONAL PARK DISTRICT, ENVIRONMENTAL GRAPHICS



6
 D6 BAY TRAIL SIGN
 NTS
 SOURCE: SAN FRANCISCO BAY TRAIL



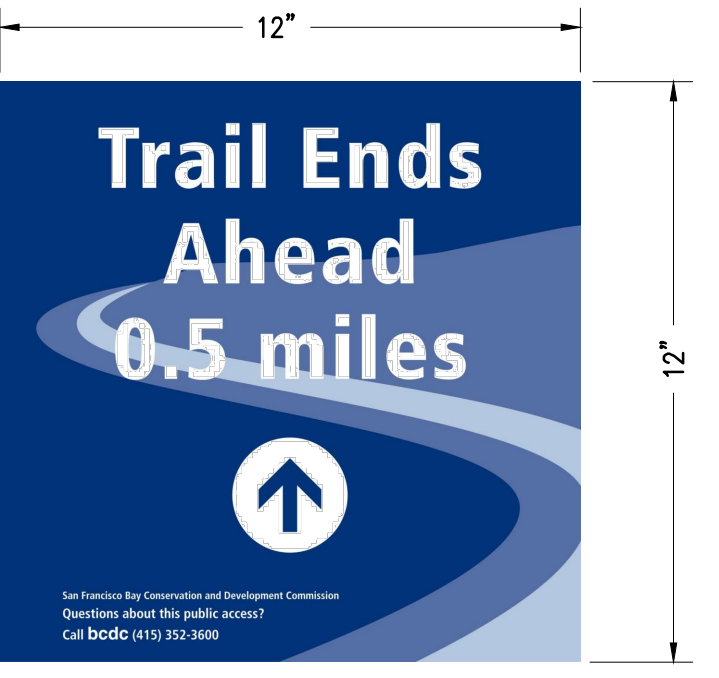
5
 D6 F-03 REGIONAL TRAIL RULES
 NTS
 SOURCE: EAST BAY REGIONAL PARK DISTRICT, ENVIRONMENTAL GRAPHICS



12
 D6 F-34 TRAIL MILEAGE MARKERS
 NTS
 SOURCE: EAST BAY REGIONAL PARK DISTRICT, ENVIRONMENTAL GRAPHICS



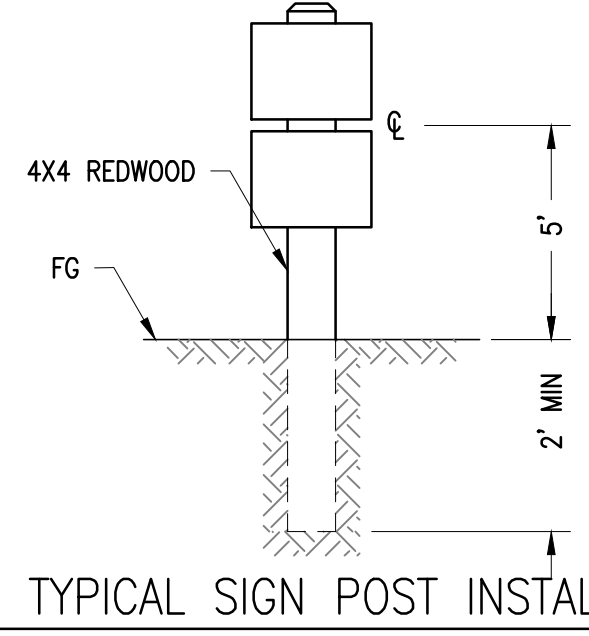
11
 D6 F-24 TRAIL DISK (3")
 NTS
 SOURCE: EAST BAY REGIONAL PARK DISTRICT, ENVIRONMENTAL GRAPHICS
 NOTES:
 1. TRAIL MARKER TO BE PRECUT SYMBOL 3M STAMARK 6350.



10
 D6 TRAIL ENDS 0.5 MILES SIGN
 NTS
 SOURCE: SAN FRANCISCO BAY CONSERVATION AND DEVELOPMENT COMMISSION



9
 D6 TRAIL ENDS 200 FT. SIGN
 NTS
 SOURCE: SAN FRANCISCO BAY CONSERVATION AND DEVELOPMENT COMMISSION



13
 D6 TYPICAL SIGN POST INSTALLATION
 NTS

- NOTES:
 1. THIS TYPICAL DETAIL APPLIES TO ALL POST MOUNTED SIGNS EXCEPT THOSE MOUNTED ON THE BOARDWALK.
 2. SIGN POSTS TO BE 4"x4" REDWOOD.
 3. SIGN LENGTH WILL VARY DEPENDING ON NUMBER AND SIZE OF SIGNS MOUNTED.
 4. SIGNS SHALL BE MOUNTED ON POSTS THAT THE CENTER OF ALL SIGNS BE 5' ABOVE GRADE.
 5. SIGN POSTS SHALL BE EMBEDDED A MIN 2' BELOW GRADE.

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 FOR REVIEW
 NOT FOR CONSTRUCTION
 DATE: 02-09-2017**



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