APPROVED:

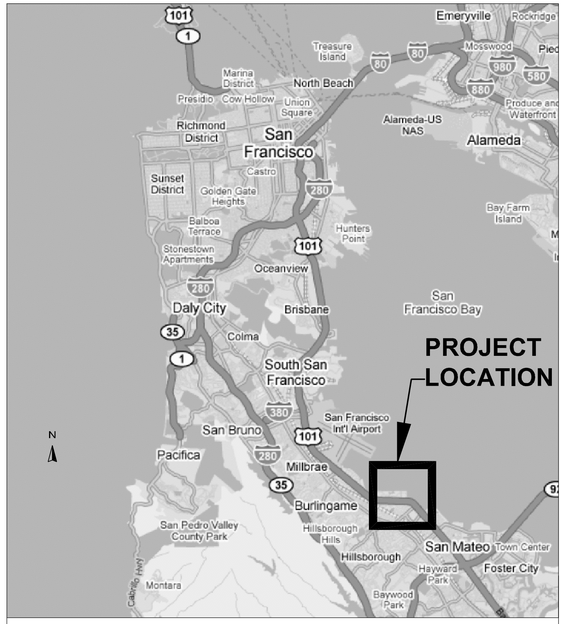
DATE: _____

JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
R. C. E. # 48056 / EXPIRES 12-31-2009

SAN MATEO COUNTY
COYOTE POINT RECREATION AREA

SHORELINE AND PROMENADE IMPROVEMENT PROJECT
100% COMPLETE DRAWINGS

TO BE SUPPLEMENTED BY STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS DATED MAY 2006 AND ADOPTED BY SAN MATEO COUNTY, NOVEMBER 14, 2006, BY RESOLUTION NO. 068389



VICINITY MAP
NO SCALE

LOCATION MAP
NO SCALE

LEGEND

- (E) MAJOR CONTOUR
- (E) MINOR CONTOUR
- (N) MAJOR CONTOUR
- (N) MINOR CONTOUR
- BREAKLINE (PLAN)
- DESIGN GRADE (SECTION)
- FILTER FABRIC
- MHW/HTL/100'-SHORELINE LINE
- CONSTRUCTION STAGING
- LIMITS OF WORK
- TOE OF REVETMENT
- EDGE OF SAND
- CATCH GRADE/DAYLIGHT LINE
- DUNE FENCE
- TOP OF SLOPE
- TOE OF SLOPE
- (DETAIL) — SHEET ON WHICH DETAIL IS TAKEN (TYP.) — SHEET ON WHICH DETAIL IS DRAWN (TYP.)
- EARTH
- (N) SAND DUNE (PLAN)
- (N) SAND BEACH (PLAN)
- DEMOLITION (PLAN)
- AC OVERLAY (PLAN)
- AC RECONSTRUCTION (PLAN)
- GRADED RIPRAP
- BEDDING
- ARTICULATING BLOCK MAT
- BEACH ACCESS
- BIOSWALE
- EXCAVATION
- SAND FILL (SECTION)
- SPOT ELEVATION
- SURVEY CONTROL BENCHMARK
- CONTROL POINT (SECTION)
- CONTROL POINT (PLAN)
- (N) LIGHT STANDARDS
- FLOW DIRECTION
- (E) DRAIN INLET
- 600 LB ARMOR STONE
- (E) VEGETATION
- SD — (N) STORM DRAIN LINE
- (N) STORM DRAIN CLEANOUT
- SD — (E) STORM DRAIN LINE
- IRR — (E) IRRIGATION LINE
- W — (E) WATER LINE
- E — (E) ELECTRIC LINE
- T — (E) TELEPHONE LINE
- SS — (E) SANITARY SEWER

ABBREVIATIONS

ABM	ARTICULATED BLOCK MAT	MIN.	MINIMUM	SF	SQUARE FEET
APPROX.	APPROXIMATE	MHW	MEAN HIGH WATER	TBD	TO BE DETERMINED
DEMO	DEMOLISH	MHHW	MEAN HIGHER HIGH WATER	T&R	TREADWELL AND ROLLO
DI	DROP INLET	NAVD88	NORTH AMERICAN VERTICAL DATUM OF 1988	TC	TOP OF CURB
EL,ELEV.	ELEVATION	(N)	NEW	TG	TOP OF GRATE
(E),EXIST.	EXISTING	NIC	NOT IN CONTRACT	TYP.	TYPICAL
EG	EXISTING GRADE	NTS	NOT TO SCALE	VIF	VERIFY IN FIELD
FG	FINISHED GRADE	OC	ON CENTER	3:1	SLOPE, HORIZONTAL: VERTICAL
FT	FOOT, FEET	OD	OUTSIDE DIAMETER		
HDPE	HIGH DENSITY POLYETHYLENE	PIP	PROTECT IN PLACE		
IE	INVERT ELEVATION	PV	PAVEMENT GRADE		
ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY	PWA	PHILIP WILLIAMS & ASSOCIATES		
MAX.	MAXIMUM	RC	RELATIVE COMPACTION		

SHEET INDEX:

1 TITLE SHEET
2 SITE PLAN
3 UTILITIES RELOCATION AND MODIFICATION PLAN
4 PARKING GRADING AND RECONSTRUCTION PLAN
5 DUNE GRADING AND PARKING LAYOUT
6 NEW REVETMENT TYPICAL PLAN & SECTIONS
7 NEW BEACH SECTIONS
8 MISCELLANEOUS DETAILS 1
9 MISCELLANEOUS DETAILS 2
10 ELECTRICAL LAYOUT
11 ELECTRICAL DETAILS (EM4 SOUTH WEST AREA MECHANICAL AND ELECTRICAL PLANS AND DETAILS)

BASIS OF BEARING:

SEE SURVEY CONTROL BENCHMARKS, SHEET 2

CONTACTS:

OWNER/ CONTRACT ADMINISTRATOR:
SAN MATEO COUNTY PARKS DEPARTMENT
(650) 363-4020

DESIGN ENGINEER:
PHILIP WILLIAMS AND ASSOCIATES, LTD.
(415) 262-2300

BENCH MARK LOCATION AND ELEVATION :

SEE SURVEY CONTROL BENCHMARKS, SHEET 2

GENERAL NOTES:

1. TOPOGRAPHICAL MAPPING PREPARED BY HJW GEOSPATIAL, INC., IN FEBRUARY 2007 USING COMPUTER ASSISTED PHOTOGRAMMETRIC METHODS. OTHRORECTIFIED USING GROUND CONTROL SURVEY PERFORMED BY TUCKER AND ASSOCIATES. SUPPLIMENTAL GROUND SURVEY PERFORMED BY PWA MARCH 2007 IS APPROXIMATE.
2. ELEVATIONS ARE REFERENCED TO NORTH AMERICAN DATUM OF 1988 (NAVD88) IN FEET. HORIZONTAL CONTROL IS CALIFORNIA STATE PLANE COORDINATE SYSTEM, ZONE 3, IN FEET (NAD83).
3. NORTHINGS AND EASTINGS ARE IN GRID COORDINATES. THE COMBINED GRID FACTOR IS 0.9999379 (THIS FACTOR IS THE PRODUCT OF THE CCS, ZONE 3 SCALE FACTOR OF 0.9999332 AND AN ELEVATION FACTOR OF 1.0000047). TO CONVERT FROM THE CALIFORNIA LAMBERT COORDINATE DISTANCES, MULTIPLY GRID DISTANCES BY THE RECIPROCAL OF THE ABOVE COMBINED GRID FACTOR (EQUAL TO 1.0000621) TO GET GROUND DISTANCES.
4. APPROX. 20,000 CY MATERIAL TO BE STOCKPILED IN COYOTE POINT PARK OR AS DIRECTED BY ENGINEER. APPROX. 5,000 CY MATERIAL TO BE DEWATERED AND STOCKPILED AT KNOLL AREA (CAPTAIN'S HOUSE) AND APPROX. 15,000 CY MATERIAL TO BE DEWATERED AND STOCKPILED BETWEEN (E) DIRT BERM BEHIND HUMANE SOCIETY AND AIRPORT BOULEVARD.
5. TIDAL BENCHMARK 9414458 AT SAN MATEO BRIDGE WAS USED TO ESTABLISH TIDAL DATUM FOR THE PRESENT TIDAL EPOCH FROM 1983 TO 2001. MEAN HIGHER HIGH WATER (MHHW) IS APPROX. 7 FT NAVD; MEAN LOWER LOW WATER (MLLW) IS APPROX. -0.75 FT NAVD. NOTE THAT THESE ARE APPROXIMATE TIDAL DATUMS FOR THE SITE.
6. CALL U.S.A. 1-800-642-2444 (2) WORKING DAYS PRIOR TO EXCAVATION ON SITE.
7. REFER TO CALTRANS STANDARD PLANS AND SPECIFICATIONS (2006) FOR DETAILS.

PRELIMINARY
NOT FOR CONSTRUCTION

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PREPARED BY:
PWA
PHILIP WILLIAMS & ASSOCIATES, LTD.
ENVIRONMENTAL HYDROLOGY
550 KEARNY STREET, SUITE 900
SAN FRANCISCO, CALIFORNIA 94108
PHONE (415) 262-2300 FAX (415) 262-2303

BKF ENGINEERS
255 SHORELINE DR., SUITE 200
REDWOOD CITY, CA 94065
(650) 482-6300

MH engineers, inc.
3350 scott blvd., bldg. 11
santa clara, ca 95054
(408) 986-8558
FAX (408) 986-9627
PROJECT NO. 10XXX-XX

APPROVED DATE:	
DAVE G. HOLLAND, DIRECTOR	
SAN MATEO COUNTY PARKS DEPARTMENT	

APPROVED DATE:	
ROBERT BATTALIO	
PHILIP WILLIAMS AND ASSOCIATES	
R.C.E. # C041765 / EXPIRES 03-31-2012	

REGISTERED PROFESSIONAL ENGINEER ROBERT T. BATTALIO No. C041765 Exp. 03/31/12 CIVIL STATE OF CALIFORNIA

COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE	DESIGNED BY: LAW	COYOTE POINT RECREATION AREA 100% COMPLETE DRAWINGS	SCALE: AS SHOWN
		CHECKED BY: RTB		DATE: 06-18-10
		DRAWN BY: LAW	TITLE SHEET	FILE NO.: 1/XXXX
			JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

1
SHEET 1 OF 11

CONTROL LINE TABLE

				LINE DATA			CURVE DATA			
POINT	STATION	BEGIN NORTHING	BEGIN EASTING	LINE #	DISTANCE	BEARING	CURVE #	DISTANCE	RADIUS	DELTA
1	10+00	2041843.57	6031330.82	L1	936.56	N71°27'00"E	-	-	-	-
2	19+36.56	2042141.52	6032218.73	L2	26.16	S21°12'21"E	-	-	-	-
3	19+62.72	2042117.14	6032228.19	-	-	-	C1	35.73	105.54	19°23'51"
4	19+98.45	2042086.68	6032246.55	L3	7.13	S40°24'59"E	-	-	-	-
5	20+05.59	2042081.25	6032251.17	-	-	-	C2	168.23	162.94	59°09'11"
6	21+73.81	2042042.43	6032407.27	-	-	-	C3	179.85	719.32	14°19'31"
7	23+53.66	2042119.08	6032569.45	-	-	-	C4	75.11	1096.38	3°55'30"
8	24+28.77	2042163.27	6032630.16	-	-	-	C5	4.88	12.00	23°16'44"
9	24+33.64	2042166.96	6032633.29	-	-	-	C6	16.24	47.61	19°32'35"
10	24+49.88	2042179.61	6032643.35	L4	245.20	N52°14'49"E	-	-	-	-
11	26+95.08	2042329.74	6032837.22	-	-	-	C7	33.38	49.49	38°39'02"
12	27+28.46	2042342.97	6032867.18	L5	6.63	N84°40'01"E	-	-	-	-
13	27+35.09	2042343.58	6032873.78	-	-	-	C8	50.51	37.33	77°31'47"
14	27+85.60	2042355.26	6032919.04	-	-	-	C9	16.08	69.30	13°17'48"
15	28+01.68	2042366.31	6032930.68	-	-	-	C10	38.35	1711.29	1°17'02"
16	28+40.03	2042395.22	6032955.87	-	-	-	C11	34.41	192.64	10°14'05"
17	28+74.44	2042418.73	6032980.93	-	-	-	C12	32.28	78.06	23°41'42"
18	29+06.72	2042444.67	6032999.76	-	-	-	C13	30.86	68.95	25°38'41"
19	29+37.50	2042468.36	6033019.14	-	-	-	C14	14.69	11.14	75°32'46"
20	29+49.90	2042476.20	6033028.65	L6	12.32	N50°28'44"E	-	-	-	-
21	29+64.60	2042489.42	6033032.06	L7	15.98	N24°33'48"W	-	-	-	-
22	29+80.58	2042503.95	6033025.42	-	-	-	-	-	-	-

BREAKWATER CONTROL TABLE

POINT	NORTHING	EASTING	DESCRIPTION
23	2042145.84	6032219.09	CL OF BREAKWATER CREST (WEST)
24	2042188.28	6032316.89	CL OF BREAKWATER CREST (EAST)

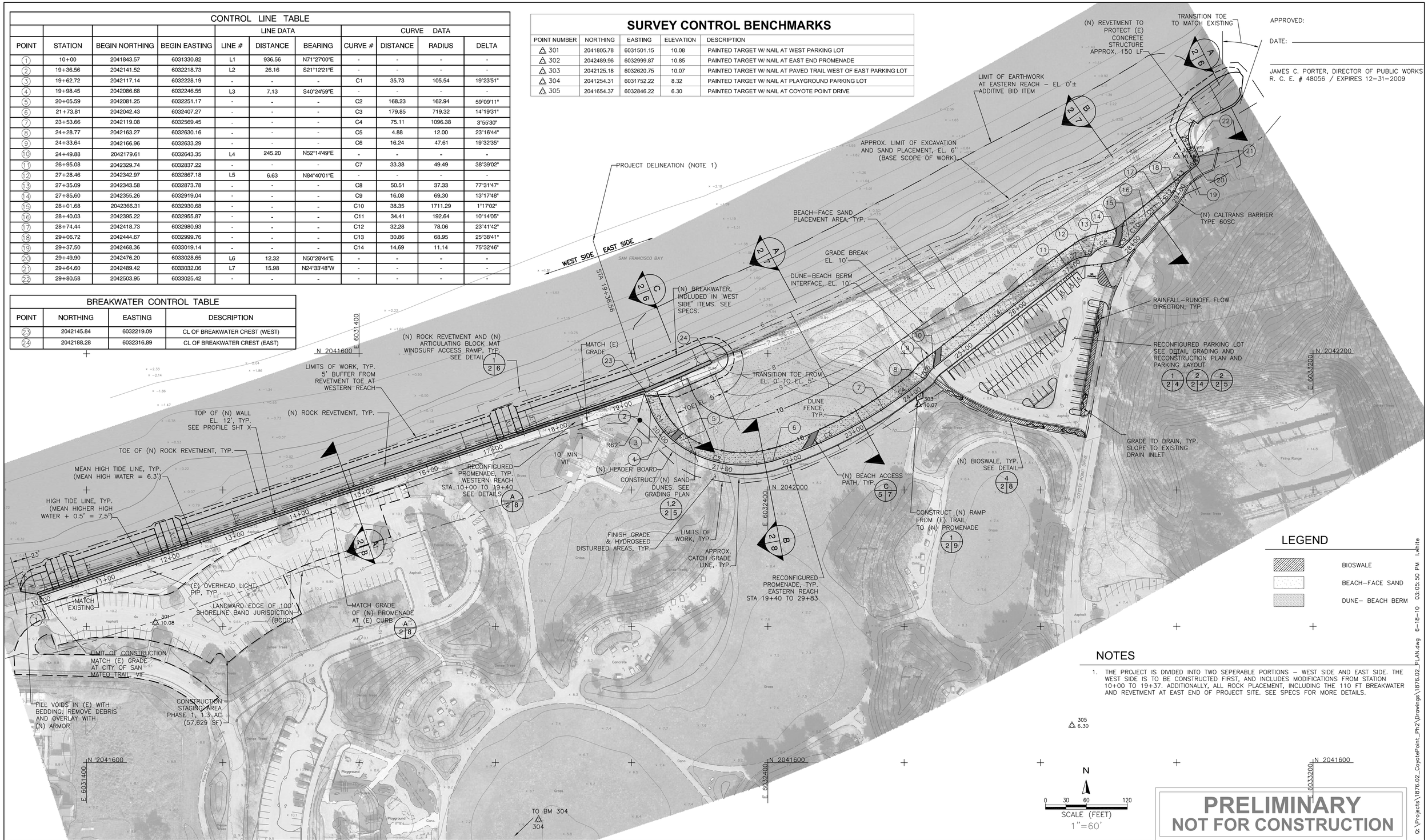
SURVEY CONTROL BENCHMARKS

POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
△ 301	2041805.78	6031501.15	10.08	PAINTED TARGET W/ NAIL AT WEST PARKING LOT
△ 302	2042489.96	6032999.87	10.85	PAINTED TARGET W/ NAIL AT EAST END PROMENADE
△ 303	2042125.18	6032620.75	10.07	PAINTED TARGET W/ NAIL AT PAVED TRAIL WEST OF EAST PARKING LOT
△ 304	2041254.31	6031752.22	8.32	PAINTED TARGET W/ NAIL AT PLAYGROUND PARKING LOT
△ 305	2041654.37	6032846.22	6.30	PAINTED TARGET W/ NAIL AT COYOTE POINT DRIVE

APPROVED:

DATE: _____

JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
R. C. E. # 48056 / EXPIRES 12-31-2009



LEGEND

- BIOSWALE
- BEACH-FACE SAND
- DUNE- BEACH BERM

NOTES

1. THE PROJECT IS DIVIDED INTO TWO SEPERABLE PORTIONS – WEST SIDE AND EAST SIDE. THE WEST SIDE IS TO BE CONSTRUCTED FIRST, AND INCLUDES MODIFICATIONS FROM STATION 10+00 TO 19+37. ADDITIONALLY, ALL ROCK PLACEMENT, INCLUDING THE 110 FT BREAKWATER AND REVETMENT AT EAST END OF PROJECT SITE. SEE SPECS FOR MORE DETAILS.

PRELIMINARY
NOT FOR CONSTRUCTION

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PREPARED BY:
PWA
PHILIP WILLIAMS & ASSOCIATES, LTD.
ENVIRONMENTAL HYDROLOGY
550 KEARNY STREET, SUITE 900
SAN FRANCISCO, CALIFORNIA 94108
PHONE (415) 262-2300 FAX (415) 262-2303

APPROVED DATE:
DAVE G. HOLLAND, DIRECTOR
SAN MATEO COUNTY PARKS DEPARTMENT

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ROBERT BATTALIO
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R.C.E. # C041765 / EXPIRES 03-31-2012

REGISTERED PROFESSIONAL ENGINEER ROBERT T. BATTALIO No. C041765 Exp. 03/31/12 CIVIL STATE OF CALIFORNIA

COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE

DESIGNED BY: LAW
CHECKED BY: RTB
DRAWN BY: LAW

COYOTE POINT RECREATION AREA
100% COMPLETE DRAWINGS
SITE PLAN

JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
SAN MATEO COUNTY

555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 06-18-10
FILE NO.: 1/XXXX

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

2
SHEET 2 OF 11

NOTES:

1. CONTACT COUNTY & UTILITY OWNER PRIOR TO CONSTRUCTION. LOCATE UTILITY DISTRIBUTION LINES AND SHUT OFF LOCATIONS. SHUT OFF UTILITY UNDER DIRECTION OF UTILITY OWNER AND/OR ENGINEER. CUT LINES AT LOCATION SPECIFIED BY ENGINEER IN FIELD. CAP LINE AND TEST UNDER DIRECTION OF UTILITY OWNER.
2. SALVAGE LIGHT STANDARDS, BOXES, GRATES, SIGNS, AND OTHER MISCELLANEOUS ITEMS. DO NOT REMOVE OR DEMOLISH UNLESS INDICATED ON THE DRAWINGS. OR AS DIRECTED BY THE ENGINEER
3. LOCATIONS OF UTILITIES SHOWN ON DRAWING ARE APPROXIMATE; ONLY BASED UPON INFORMATION PROVIDED TO PWA BY SAN MATEO COUNTY. VIF. PRIOR TO CONSTRUCTION. EXTENSIVE LINE IRRIGATION SYSTEMS ARE NOT SHOWN.
4. RELOCATE UTILITIES IN CORRIDOR. MINIMIZE DISTURBANCE TO (E) LANDSCAPING. HYDROSEED AND REPLACE TREES WITH LIKE SPECIES. SEE SECTION XX IN THE SPECS FOR DETAILS.
5. AT THE CONTRACTOR'S OPTION, DIRECTIONAL BORING MAY BE UTILIZED TO RELOCATE (E) UTILITIES.
6. CONTRACTOR SHALL CALL U.S.A. 1-800-642-2444 (2) WORKING DAYS PRIOR TO EXCAVATION.
7. (E) IRRIGATION LINES NOT SHOWN.
8. POTHOLING INFO

DEMOLITION KEY:

1. SALVAGE (E) LIGHT STANDARD
2. SALVAGE (E) BOLLARD
3. PIP (E) STORMDRAIN INLET, SALVAGE GRATE, ADJUST TO FINISH GRADE, INSTALL LID

3A. PIP (E) STORM DRAIN INLET

4. REMOVE (E) TIRE SPIKE, SALVAGE (E) GATE
5. SALVAGE (E) STORM DRAIN GRATE AND PIPE TO EDGE OF PAVEMENT REMOVAL. REMOVE PIPE TO NEXT DI & PLUG.
6. SALVAGE (E) VIEWING PLATFORM
7. SALVAGE (E) IRRIGATION ACCESS
8. SALVAGE (E) HIGH VOLTAGE BOX (BY OTHERS)
9. SALVAGE (E) TELEPHONE BOX (BY OTHERS)
10. SALVAGE & RELOCATE (E) PACIFIC CITY MONUMENT AS DIRECTED BY OWNER
11. SALVAGE & RELOCATE (E) BENCH AS DIRECTED BY OWNER
12. REMOVE LIGHT STANDARD BASE
13. REMOVE RESTROOM AND FOUNDATION
14. PIP (E) FIRE HYDRANT
15. SALVAGE (E) WATER SPIGOT. CAP WATER LINE AND INSTALL UTILITY BOX AT PROMENADE FG
16. SALVAGE (E) PAY TELEPHONE (BY OTHERS)
17. REMOVE (E) ELECTRIC BOX (2). RELOCATE TO NEW BOX; REMOVE/ABANDON (E) ELECTRICAL SUPPLY FOR PARKING LOT LIGHTING.
18. UTILITIES RELOCATIONS START & END (RE-CONNECTION LOCATIONS)
19. REMOVE (E) WATER VALVE

19A. PIP AND ADJUST VAULT TO (N) GRADE

20A. ABANDON/REMOVE (E) SANITARY SEWER (APPROX. 500 LF)

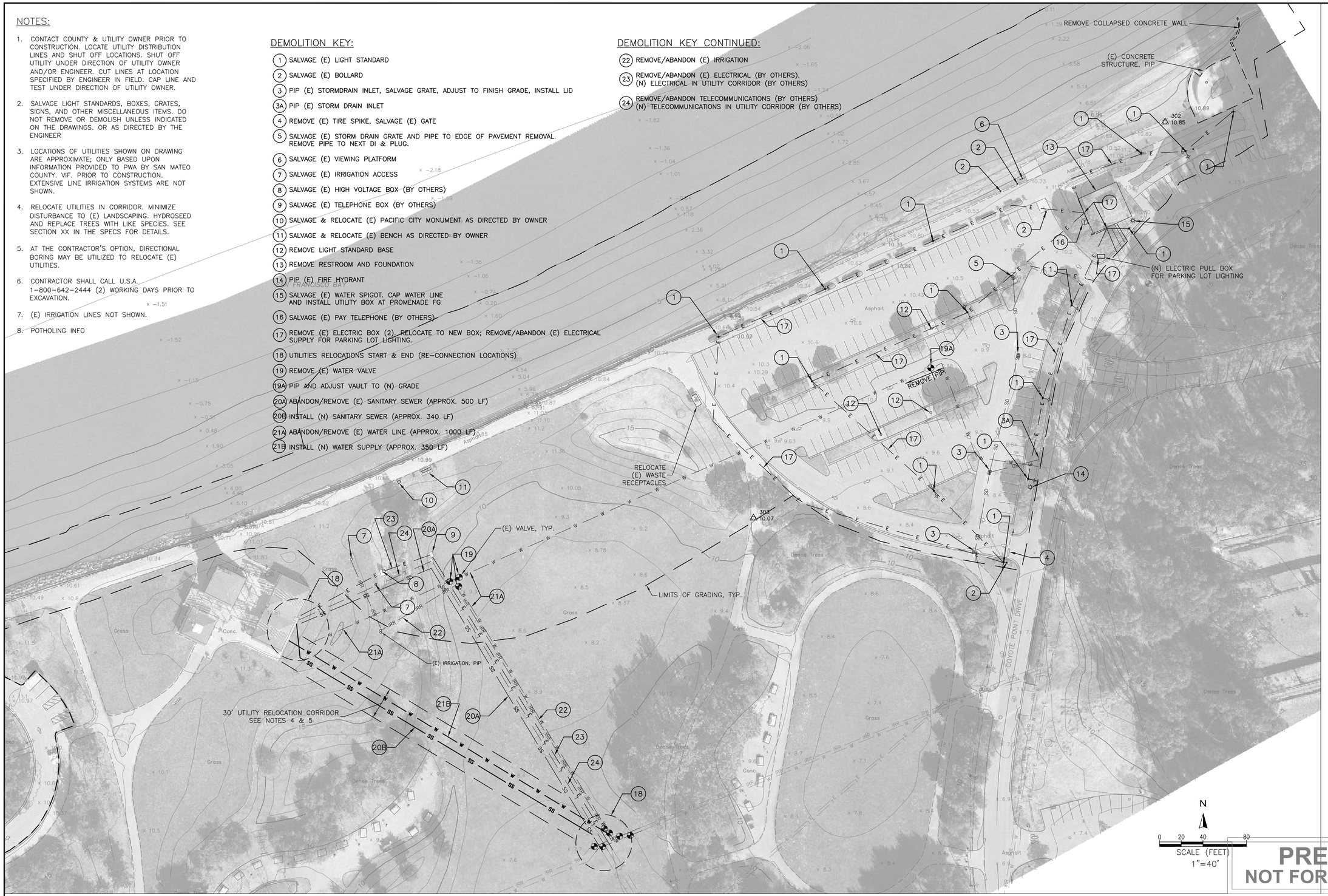
20B. INSTALL (N) SANITARY SEWER (APPROX. 340 LF)

21A. ABANDON/REMOVE (E) WATER LINE (APPROX. 1000 LF)

21B. INSTALL (N) WATER SUPPLY (APPROX. 350 LF)

DEMOLITION KEY CONTINUED:

22. REMOVE/ABANDON (E) IRRIGATION
23. REMOVE/ABANDON (E) ELECTRICAL (BY OTHERS). (N) ELECTRICAL IN UTILITY CORRIDOR (BY OTHERS)
24. REMOVE/ABANDON TELECOMMUNICATIONS (BY OTHERS) (N) TELECOMMUNICATIONS IN UTILITY CORRIDOR (BY OTHERS)



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JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
R. C. E. # 48056 / EXPIRES 12-31-2009

LEGEND

	SPIGOT OR HYDRANT
	DROP INLET
	LIGHT STANDARD
	TELEPHONE
	WATER VALVE
W	(E) POTABLE WATER
IRR	(E) IRRIGATION LINE
E	(E) ELECTRICAL
T	(E) TELEPHONE
SS	(E) SANITARY SEWER
SS	(N) SANITARY SEWER
W	(N) POTABLE WATER

PRELIMINARY
NOT FOR CONSTRUCTION

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PREPARED BY:

PWA
PHILIP WILLIAMS & ASSOCIATES, LTD.
ENVIRONMENTAL HYDROLOGY
550 KEARNY STREET, SUITE 900
SAN FRANCISCO, CALIFORNIA 94108
PHONE (415) 262-2300 FAX (415) 262-2303

APPROVED DATE:

DAVE G. HOLLAND, DIRECTOR
SAN MATEO COUNTY PARKS DEPARTMENT

STAMP

APPROVED DATE:

ROBERT BATTALIO
PHILLIP WILLIAMS AND ASSOCIATES
R.C.E. # C041765 / EXPIRES 03-31-2012

REGISTERED PROFESSIONAL ENGINEER ROBERT T. BATTALIO No. C041765 Exp. 03/31/12 CIVIL STATE OF CALIFORNIA

COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE

DESIGNED BY: LAW
CHECKED BY: RTB
DRAWN BY: LAW

JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
SAN MATEO COUNTY

COYOTE POINT RECREATION AREA
100% COMPLETE DRAWINGS
UTILITIES RELOCATION AND MODIFICATION PLAN

555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 06-18-10
FILE NO.: 1/XXXX

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

3
SHEET 3 OF 11

APPROVED:

DATE:

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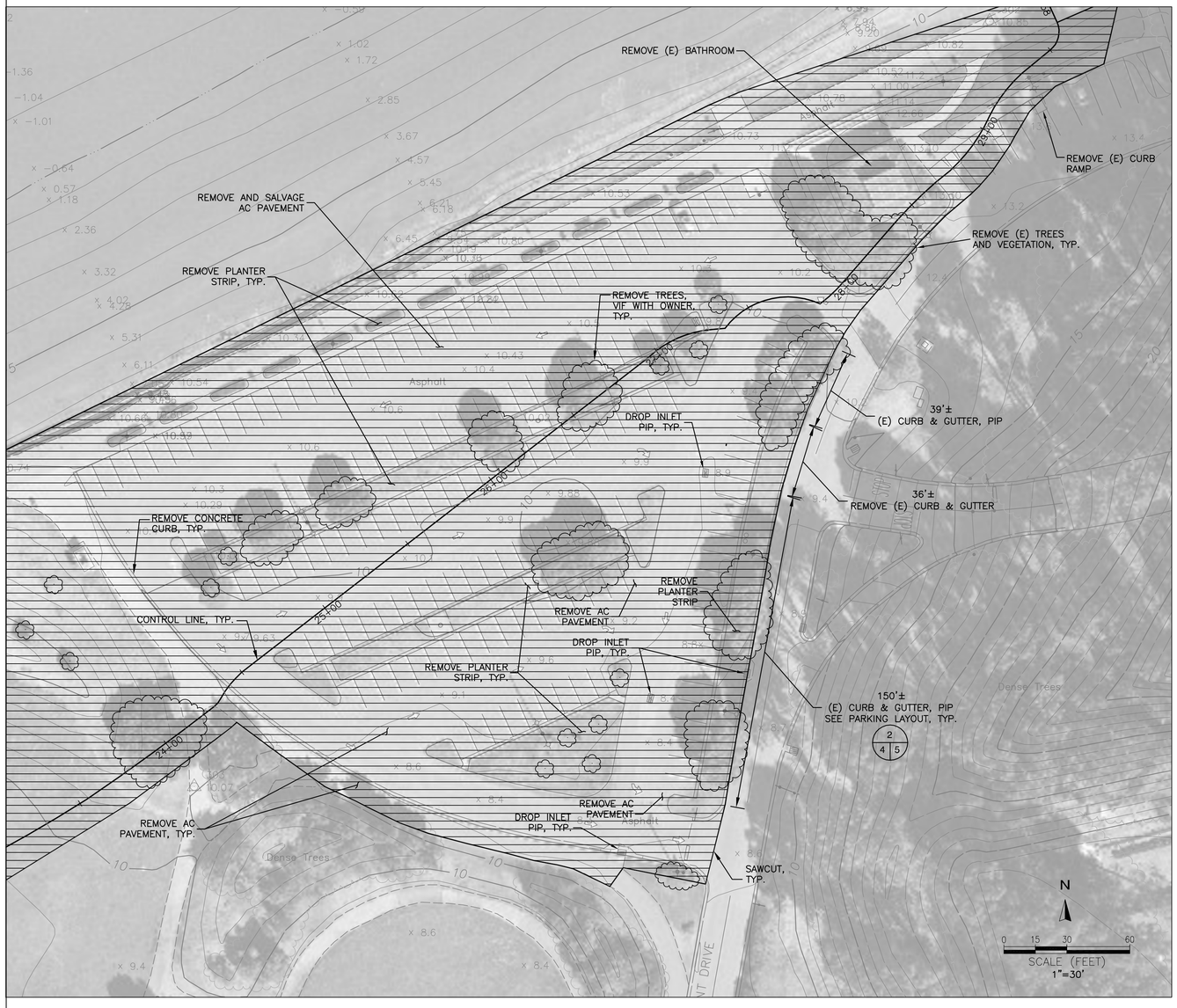
R. C. E. # 48056 / EXPIRES 12-31-2009

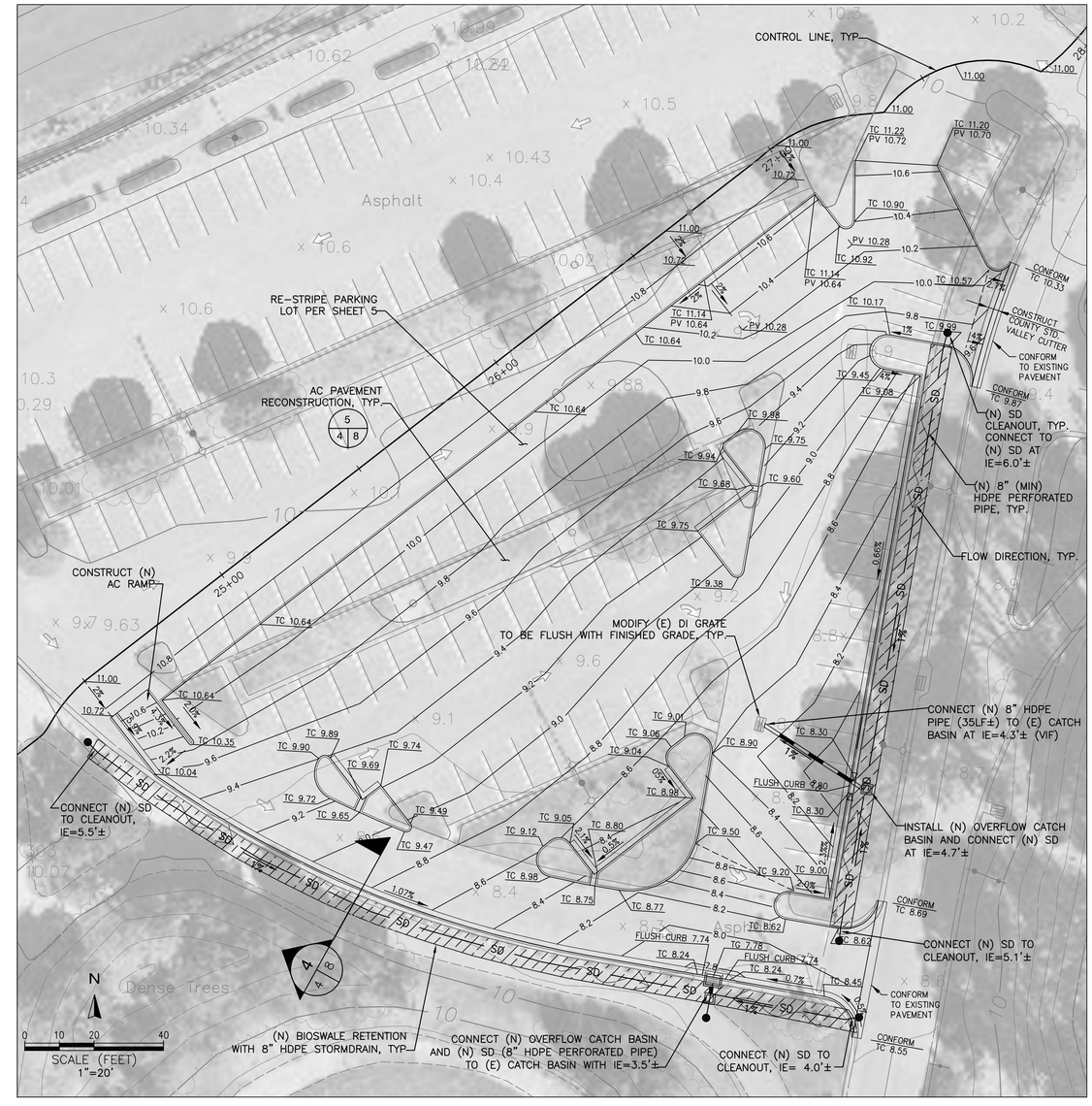


1 / 2 4 FACILITY MODIFICATIONS DETAIL PLAN

SCALE: 1"=30'

LEGEND

REMOVAL



2 / 2 4 RECONFIGURED PARKING LOT GRADING AND DRAINAGE DETAIL PLAN

SCALE: 1"=20'

PRELIMINARY
NOT FOR CONSTRUCTION

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PREPARED BY:

PWA
PHILIP WILLIAMS & ASSOCIATES, LTD.
ENVIRONMENTAL HYDROLOGY
550 KEARNY STREET, SUITE 900
SAN FRANCISCO, CALIFORNIA 94108
PHONE (415) 262-2300 FAX (415) 262-2303

BKF
ENGINEERS
255 SHORELINE DR., SUITE 200
REDWOOD CITY, CA 94065
(650) 482-6300

APPROVED DATE:

DAVE G. HOLLAND, DIRECTOR
SAN MATEO COUNTY PARKS DEPARTMENT

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ROBERT BATTALIO
PHILLIP WILLIAMS AND ASSOCIATES
R.C.E. # C041765 / EXPIRES 03-31-2010

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COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE

DESIGNED BY: LAW
CHECKED BY: RTB
DRAWN BY: LAW

COYOTE POINT RECREATION AREA
100% COMPLETE DRAWINGS
PARKING GRADING AND RECONSTRUCTION PLAN

JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
SAN MATEO COUNTY

555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
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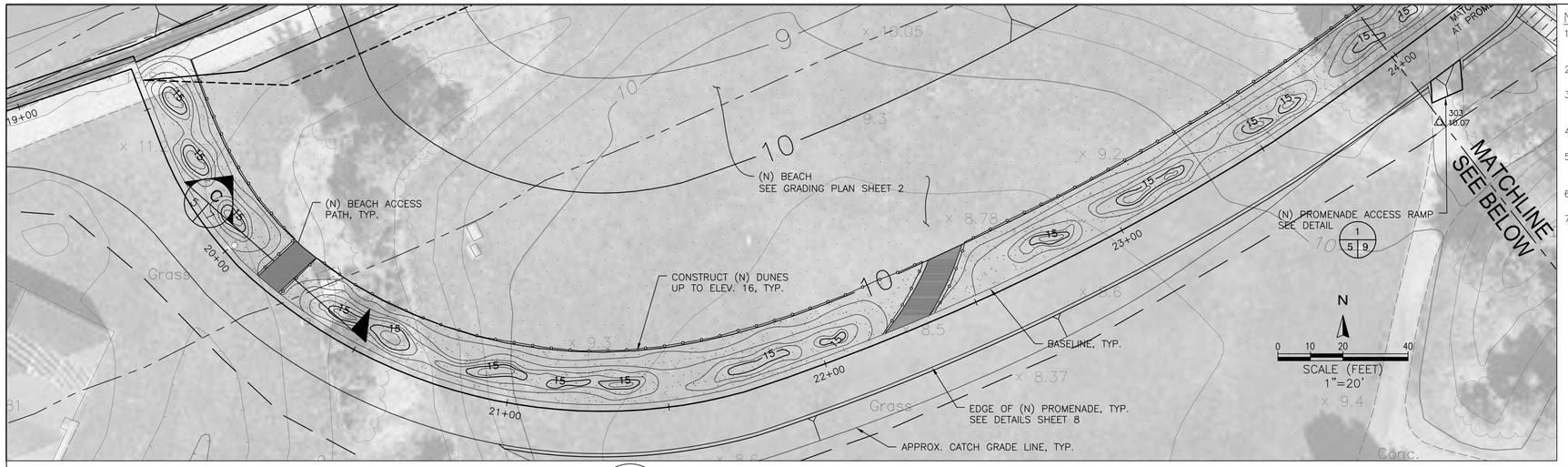
4
SHEET 4 OF 11



1 / 2 5 WEST DUNE GRADING PLAN
DETAIL PLAN
SCALE: 1"=20'

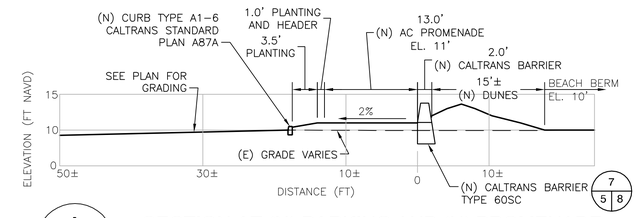
NOTES:

1. ISA CURB RAMPS (2 TOTAL) AND 3 ISA PARKING STALLS (1 VAN ACCESSIBLE) PER CALTRANS STANDARD PLAN A90A. SLOPE OF CURB RAMP NOT TO EXCEED 20:1.
2. ISA SIGNS AND MARKINGS PER CALTRANS STANDARD A90A.
3. (N) TRAFFIC ARROW PAVEMENT MARKINGS PER CALTRANS STANDARD A24A FOR BIKE LANE.
4. (N) STOP SIGN AND PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D.
5. STRIPING FOR EMERGENCY PARKING SHALL BE 4" WHITE LINES ON BORDER AND 4" WHITE LINES ON DIAGONALS AT 3' ON CENTER.
6. NO PARKING PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24E.
7. INSTALL BOLLARDS PER MANUFACTURER'S RECOMMENDATIONS. BOLLARDS SHALL BE MAXIFORCE MODEL MR-RP-RS2-R OR EQUIVALENT.

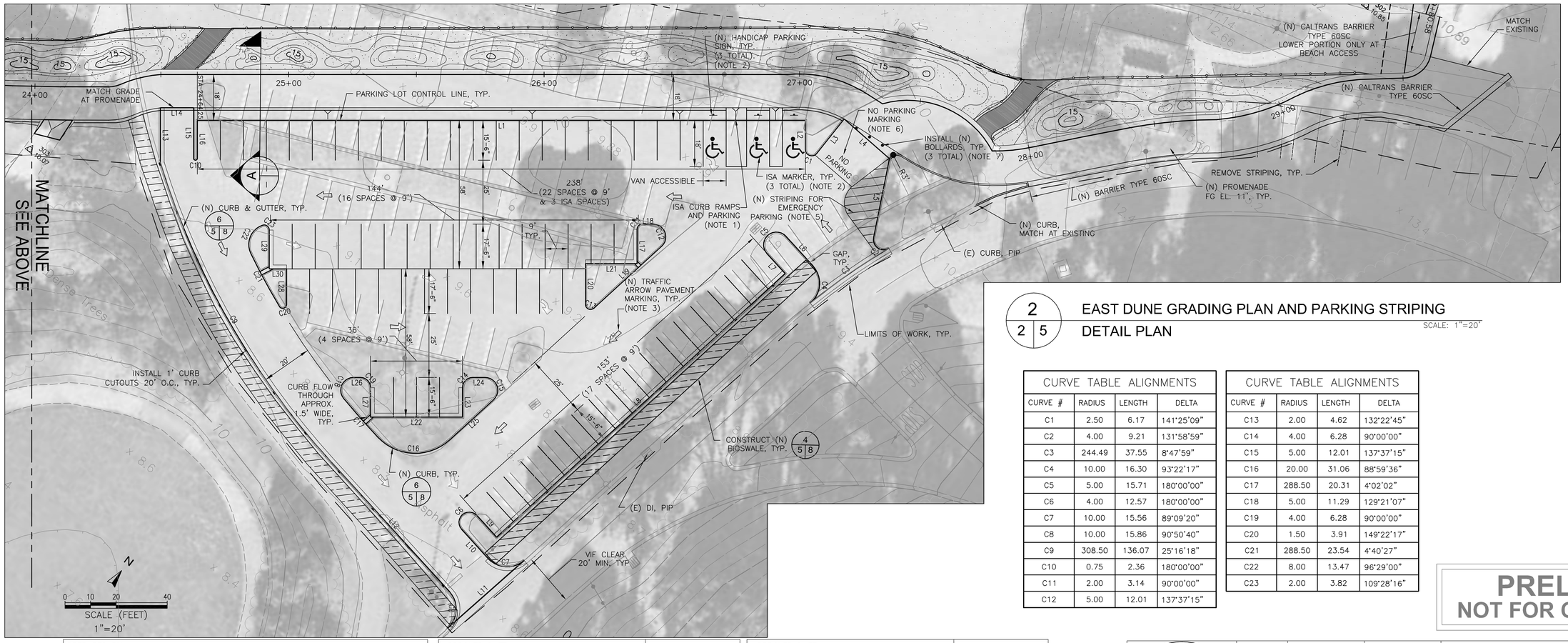
APPROVED:

DATE:

JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
R. C. E. # 48056 / EXPIRES 12-31-2009



A / - - SECTION AT (N) PARKING AND (N) PROMENADE
SECTION
SCALE: 1"=10'



2 / 2 5 EAST DUNE GRADING PLAN AND PARKING STRIPING
DETAIL PLAN
SCALE: 1"=20'

LINE TABLE ALIGNMENTS		
PARKING LOT CONTROL AT INTERSECTION OF LINES L1 AND L16 AT NEW CURB		
LINE #	LENGTH	BEARING
L1	238.00	N52° 14' 48.90"E
L2	11.31	S37° 45' 11.10"E
L3	17.25	N0° 49' 39.78"E
L4	23.57	S86° 29' 04.27"E
L5	31.45	S26° 21' 03.17"E
L6	15.76	N80° 07' 56.02"W
L7	10.65	S80° 07' 56.02"E
L8	153.00	S9° 52' 03.98"W
L9	11.50	N80° 07' 56.02"W
L10	15.48	S80° 07' 56.02"E
L11	40.00	S10° 42' 43.77"W
L12	68.60	N80° 07' 56.02"W
L13	21.49	N37° 45' 11.10"W
L14	13.00	N52° 14' 48.90"E
L15	19.75	S37° 45' 11.10"E
L16	14.75	N37° 45' 11.10"W
L17	13.50	N37° 45' 11.10"W
L18	4.21	N52° 14' 48.90"E
L19	35.85	S9° 52' 03.98"W
L20	15.88	N37° 45' 11.10"W
L21	20.25	N52° 14' 48.90"E
L22	36.00	N52° 14' 48.90"E
L23	11.50	N37° 45' 11.10"W
L24	4.78	N52° 14' 48.90"E
L25	23.37	S9° 52' 03.98"W
L26	2.68	N52° 14' 48.90"E
L27	11.50	S37° 45' 11.10"E
L28	13.96	S37° 45' 11.10"E
L29	15.16	S37° 45' 11.10"E
L30	6.75	N52° 14' 48.90"E

CURVE TABLE ALIGNMENTS			
CURVE #	RADIUS	LENGTH	DELTA
C1	2.50	6.17	141°25'09"
C2	4.00	9.21	131°58'59"
C3	244.49	37.55	8°47'59"
C4	10.00	16.30	93°22'17"
C5	5.00	15.71	180°00'00"
C6	4.00	12.57	180°00'00"
C7	10.00	15.56	89°09'20"
C8	10.00	15.86	90°50'40"
C9	308.50	136.07	25°16'18"
C10	0.75	2.36	180°00'00"
C11	2.00	3.14	90°00'00"
C12	5.00	12.01	137°37'15"

CURVE TABLE ALIGNMENTS			
CURVE #	RADIUS	LENGTH	DELTA
C13	2.00	4.62	132°22'45"
C14	4.00	6.28	90°00'00"
C15	5.00	12.01	137°37'15"
C16	20.00	31.06	88°59'36"
C17	288.50	20.31	4°02'02"
C18	5.00	11.29	129°21'07"
C19	4.00	6.28	90°00'00"
C20	1.50	3.91	149°22'17"
C21	288.50	23.54	4°40'27"
C22	8.00	13.47	96°29'00"
C23	2.00	3.82	109°28'16"

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PREPARED BY:
PWA
PHILIP WILLIAMS & ASSOCIATES, LTD.
ENVIRONMENTAL HYDROLOGY
550 KEARNY STREET, SUITE 900
SAN FRANCISCO, CALIFORNIA 94108
PHONE (415) 262-2300 FAX (415) 262-2303

BKF
ENGINEERS
255 SHORELINE DR., SUITE 200
REDWOOD CITY, CA 94065
(650) 482-6300

APPROVED DATE:

DAVE G. HOLLAND, DIRECTOR
SAN MATEO COUNTY PARKS DEPARTMENT

APPROVED DATE:

ROBERT BATTALIO
PHILLIP WILLIAMS AND ASSOCIATES
R.C.E. # C041765 / EXPIRES 03-31-2012

REGISTERED PROFESSIONAL ENGINEER ROBERT T. BATTALIO No. C041765 Exp. 03/31/12 CIVIL STATE OF CALIFORNIA

COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE

DESIGNED BY: LAW
CHECKED BY: RTB
DRAWN BY: LAW

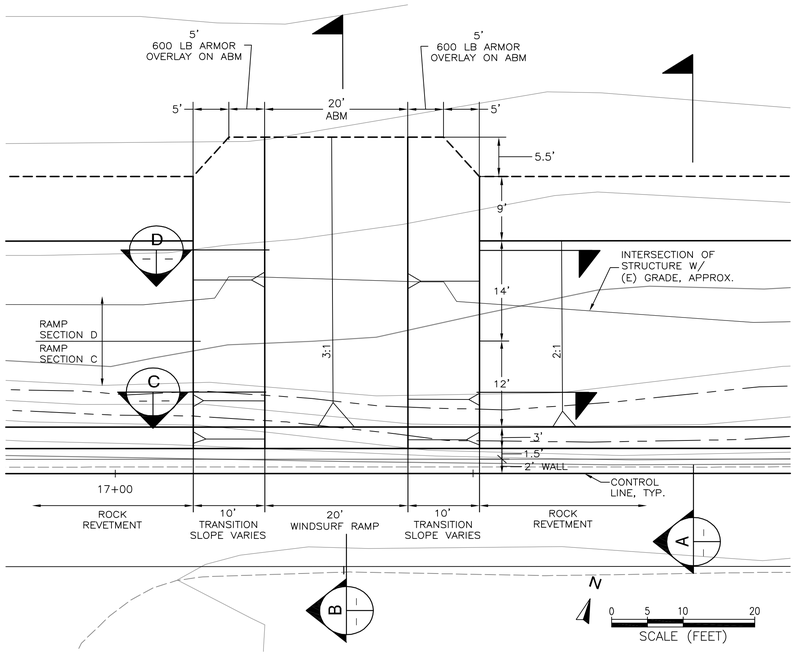
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
SAN MATEO COUNTY

COYOTE POINT RECREATION AREA
100% COMPLETE DRAWINGS
DUNE GRADING AND PARKING LAYOUT

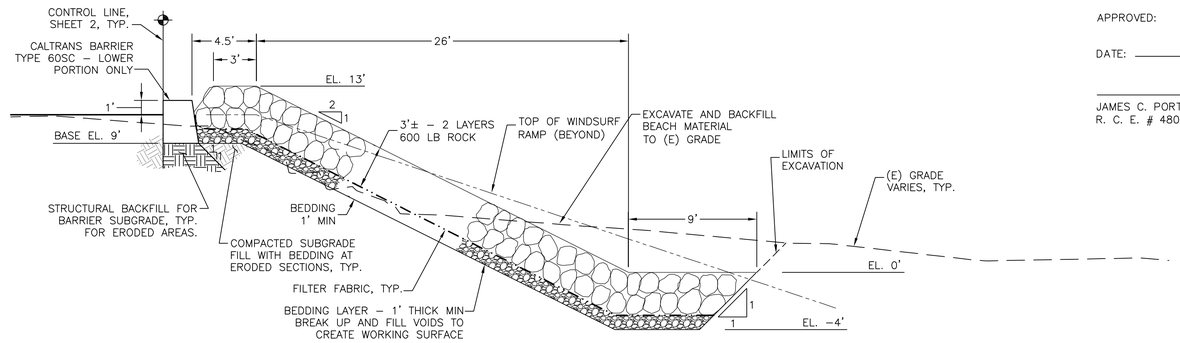
555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 06-18-10
FILE NO.: 1/XXXX

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4



1 / 2 6 REVETMENT AND WINDSURFER ACCESS RAMP
TYPICAL PLAN
SCALE: 1"=10'



A / -,2 6 WESTERN SHORELINE ROCK REVETMENT
TYPICAL SECTION
STA 10+00 TO STA 19+36.56
SCALE: 1"=5'

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DATE:

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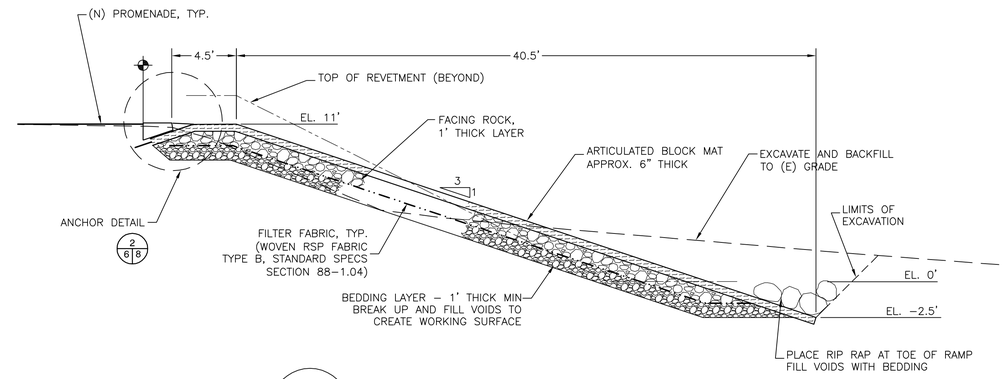
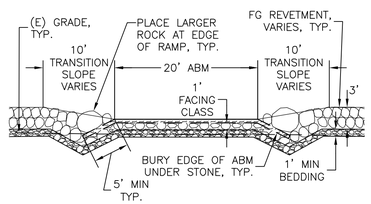
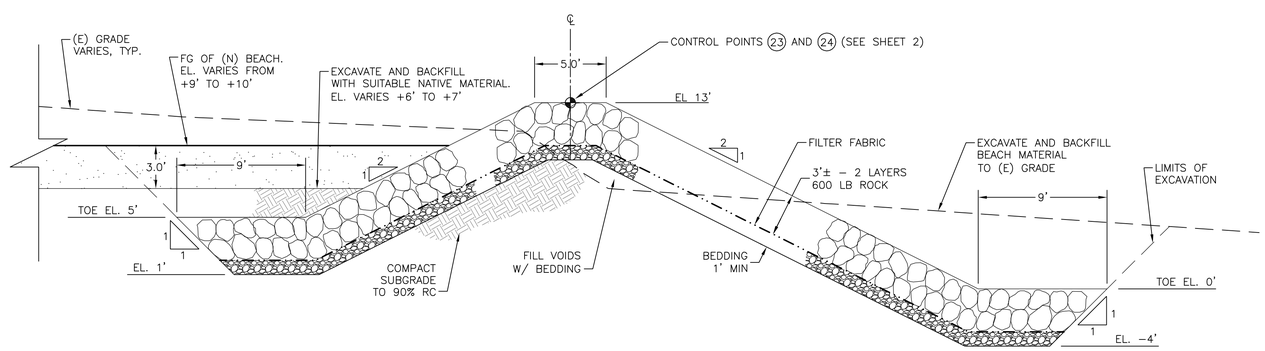
R. C. E. # 48056 / EXPIRES 12–31–2009



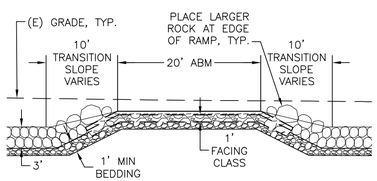
B / - 6 WINDSURFER ACCESS RAMP
TYPICAL SECTION
SCALE: 1"=5'



C / - 6 UPPER SECTION ACROSS WINDSURFER ACCESS RAMP
SECTION
SCALE: 1"=10'



C / 2 6 BREAKWATER
TYPICAL SECTION
SCALE: 1"=5'



D / - 6 LOWER SECTION ACROSS WINDSURFER ACCESS RAMP
SECTION
SCALE: 1"=10'

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PREPARED BY:
PWA
PHILIP WILLIAMS & ASSOCIATES, LTD.
ENVIRONMENTAL HYDROLOGY
550 KEARNY STREET, SUITE 900
SAN FRANCISCO, CALIFORNIA 94108
PHONE (415) 262-2300 FAX (415) 262-2303

APPROVED DATE:
DAVE G. HOLLAND, DIRECTOR
SAN MATEO COUNTY PARKS DEPARTMENT
STAMP

APPROVED DATE:
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PHILLIP WILLIAMS AND ASSOCIATES
R.C.E. # C041765 / EXPIRES 03–31–2012
REGISTERED PROFESSIONAL ENGINEER ROBERT T. BATTALIO No. C041765 Exp. 03/31/12 CIVIL STATE OF CALIFORNIA

COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE

DESIGNED BY: LAW
CHECKED BY: RTB
DRAWN BY: LAW

COYOTE POINT RECREATION AREA
100% COMPLETE DRAWINGS
NEW REVETMENT
TYPICAL PLAN AND SECTIONS

JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
SAN MATEO COUNTY
555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 06–18–10
FILE NO.: 1/XXXX

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6
SHEET 6 OF 11

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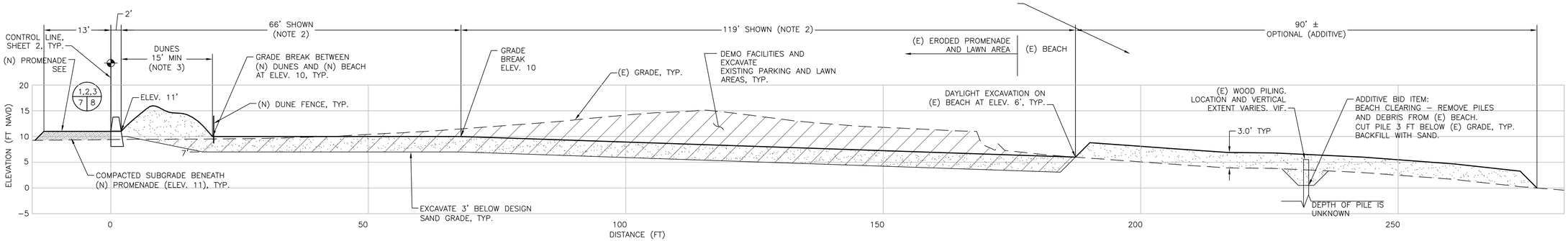
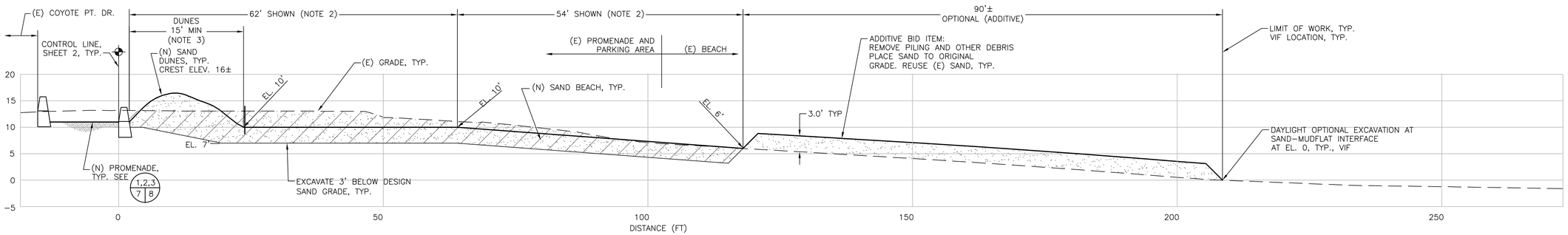


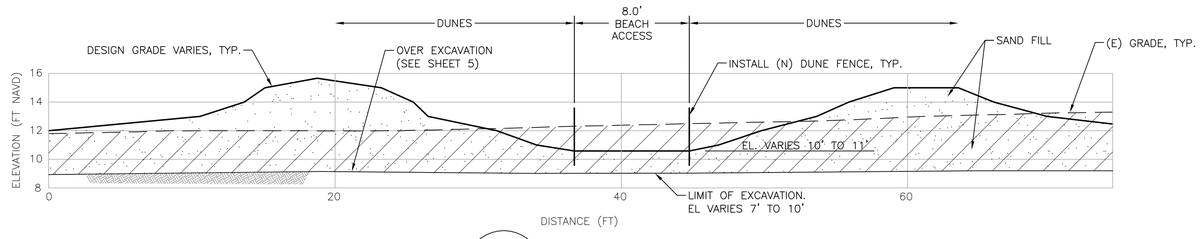
A / 2 7 — NEW BEACH - WEST END SECTION

SCALE: 1"=10'



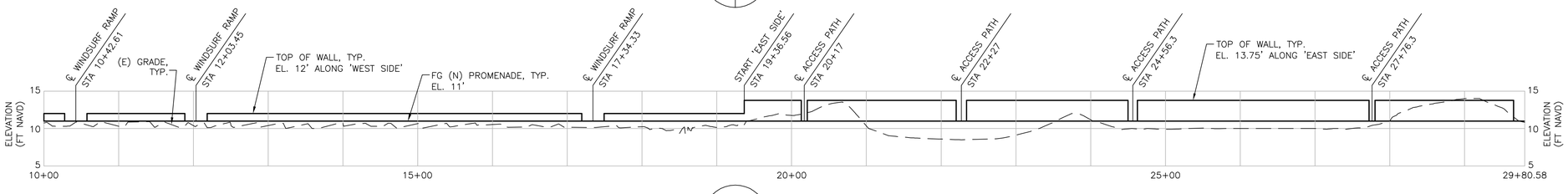
B / 2 7 — NEW BEACH - EAST END SECTION

SCALE: 1"=10'



C / 2,5 7 — BEACH ACCESS PATH SECTION

SCALE: 1"=5'



D / 2 7 — SEAWARD EDGE OF PROMENADE PROFILE

HORIZ: 1"=80'
VERT: 1"=8'

PRELIMINARY
NOT FOR CONSTRUCTION

NOTES:

1. REMOVE (E) DEBRIS ON BEACH INCLUDING CONCRETE, REBAR, PILES AND METAL.
2. DISTANCE BETWEEN GRADE BREAKS AT ELEV. +6' AND +10' (AND BETWEEN EDGE OF DUNES AND +10') VARIES. SEE PLAN SHEET 2. RANGES FROM __ TO __.
3. SEE SPECS FOR DUNE PLANTING REQUIREMENTS, INCLUDING EROSION CONTROL FABRIC.

PREPARED BY:
PWA
PHILIP WILLIAMS & ASSOCIATES, LTD.
ENVIRONMENTAL HYDROLOGY
550 KEARNY STREET, SUITE 900
SAN FRANCISCO, CALIFORNIA 94108
PHONE (415) 262-2300 FAX (415) 262-2303

APPROVED DATE:

DAVE G. HOLLAND, DIRECTOR
SAN MATEO COUNTY PARKS DEPARTMENT

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COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE

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COYOTE POINT RECREATION AREA
100% COMPLETE DRAWINGS

NEW BEACH SECTIONS

JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
SAN MATEO COUNTY

555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

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7
SHEET 7 OF 11

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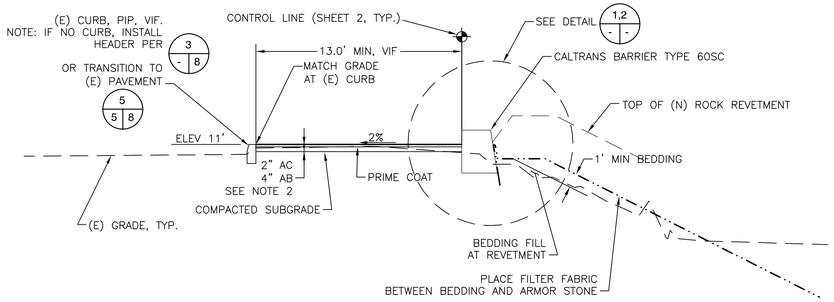
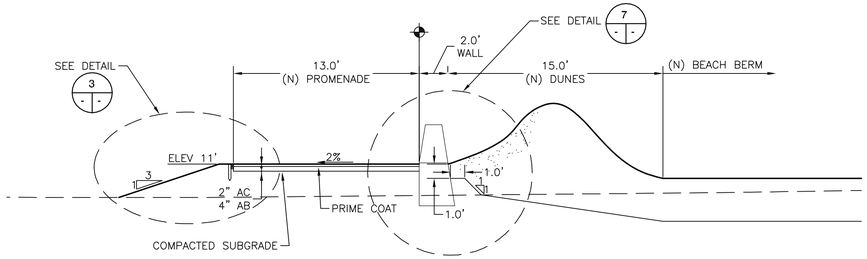


A | 2 | 8
NEW PROMENADE - WESTERN REACH
TYPICAL DETAIL
STA 10+00 TO STA 19+36.56
SCALE: 1"=5'



B | 2 | 8
NEW PROMENADE - EASTERN REACH
TYPICAL DETAIL
STA 19+36.53 TO STA 29+80.58
SCALE: 1"=5'

APPROVED:

DATE: _____

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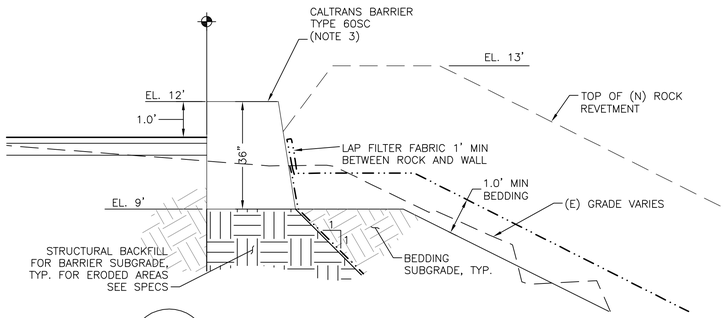
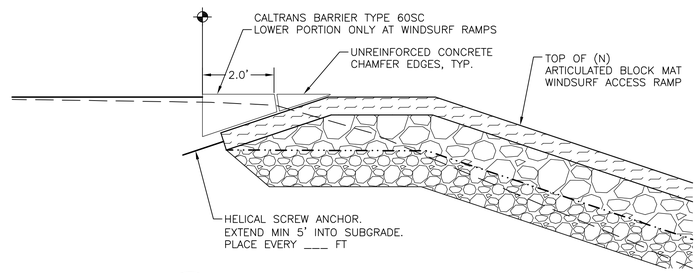
R. C. E. # 48056 / EXPIRES 12-31-2009

NOTES:

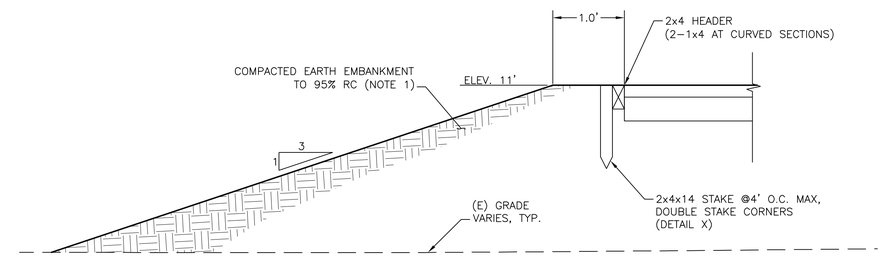
1. IF (E) GRADE IS LESS THAN ELEV. 11', CATCH GRADE ON 3:1 SLOPE OR FLATTER. OTHERWISE MATCH (E) GRADE AT HEADER.
2. AC TYPE B MAX GRADING, AB CLASS 2
3. CALTRANS BARRIER TYPE 60SC PER STANDARD PLANS A76G. ALONG REVETMENT (WEST SIDE) CONSTRUCT LOWER PORTION ONLY – INSTALL 36" BASE BEFORE PLACING ROCK. ALONG DUNE SECTION (EAST SIDE) CONSTRUCT TO FULL DIMENSIONS – INSTALL 36" BASE AND THEN INSTALL 32" TOP. CONSTRUCTION JOINT TO BE 1" ABOVE FINISHED GRADE OF (N) PROMENADE ALONG EAST SIDE. SUBGRADE TO BE COMPACTED TO 95% RELATIVE COMPACTION PER STRUCTURAL EARTHWORK SPECS.



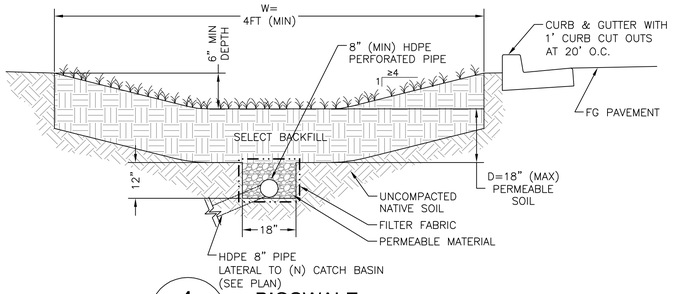
1 | -,5 | 8
BARRIER AND FILTER FABRIC OVERLAP
TYPICAL DETAIL ALONG WEST SIDE
SCALE: 1"=2'



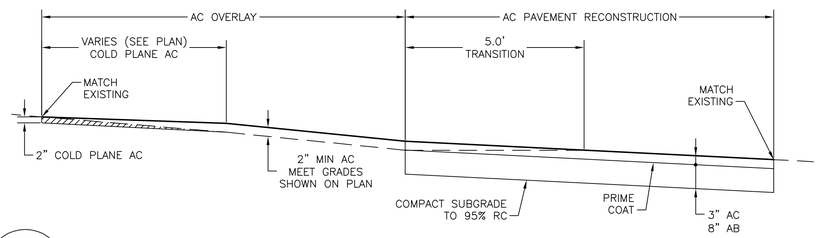
2 | - | 8
BARRIER AT WINDSURF RAMP / ABM ANCHOR
TYPICAL DETAIL
SCALE: 1"=2'



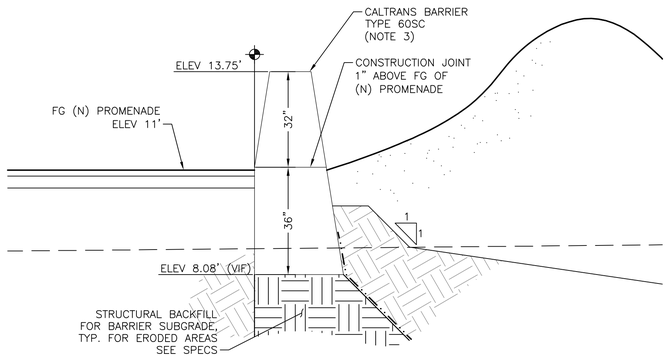
3 | - | 8
NEW PROMENADE - HEADER AND EMBANKMENT
TYPICAL DETAIL
SCALE: 1"=1'



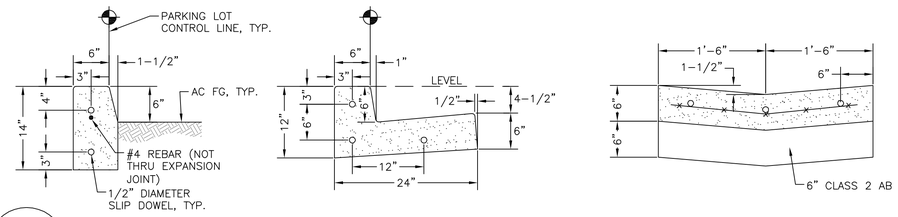
4 | 4 | 8
BIOSWALE
TYPICAL DETAIL
SCALE: 1"=2'



5 | 4 | 8
TYPICAL AC OVERLAY AND PAVEMENT RECONSTRUCTION SECTION
TYPICAL DETAIL
SCALE: 1"=2'



7 | -,5 | 8
BARRIER AND FILTER FABRIC OVERLAP
TYPICAL DETAIL ALONG EAST SIDE
SCALE: 1"=2'



6 | 5 | 8
A1-6 CURB (LEFT) AND CURB & GUTTER (MIDDLE) AND VALLEY GUTTER (RIGHT)
TYPICAL DETAIL
SCALE: 1"=1'

PRELIMINARY
NOT FOR CONSTRUCTION

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PREPARED BY:
PWA
PHILIP WILLIAMS & ASSOCIATES, LTD.
ENVIRONMENTAL HYDROLOGY
550 KEARNY STREET, SUITE 900
SAN FRANCISCO, CALIFORNIA 94108
PHONE (415) 262-2300 FAX (415) 262-2303

APPROVED DATE:
DAVE G. HOLLAND, DIRECTOR
SAN MATEO COUNTY PARKS DEPARTMENT

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REGISTERED PROFESSIONAL ENGINEER ROBERT T. BATTALIO No. C041765 Exp. 03/31/12 CIVIL STATE OF CALIFORNIA

COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE

DESIGNED BY: LAW
CHECKED BY: RTB
DRAWN BY: LAW

COYOTE POINT RECREATION AREA
100% COMPLETE DRAWINGS
MISCELLANEOUS DETAILS 1

JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
SAN MATEO COUNTY

555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 06-18-10
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8
SHEET 8 OF 11

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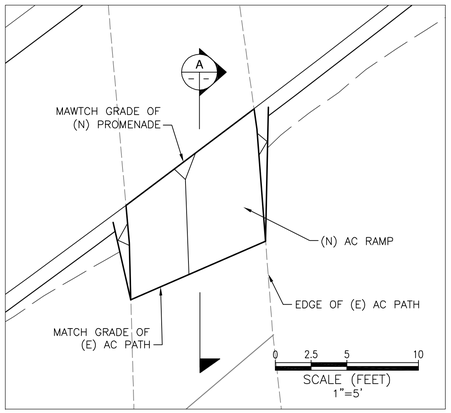
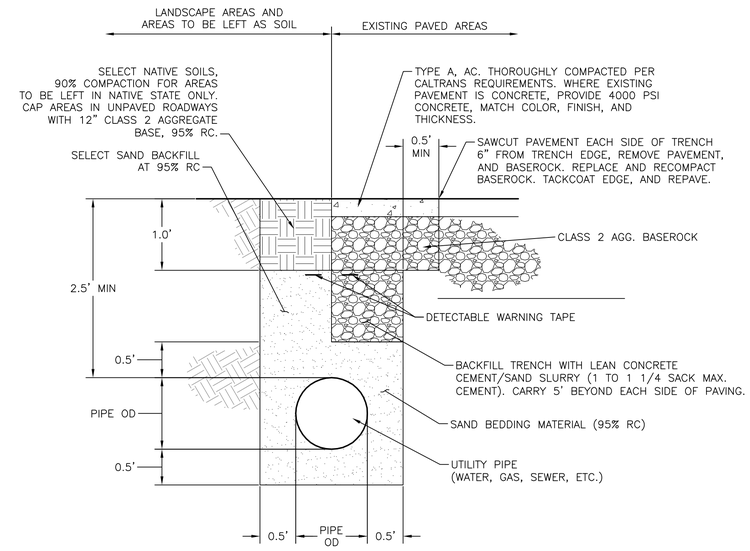


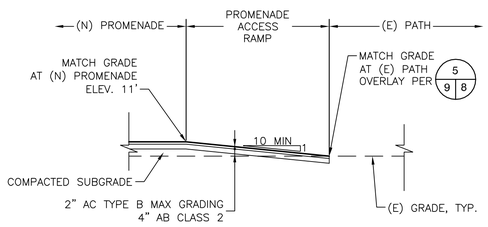
1 / 2,5 9 PROMENADE ACCESS RAMP
TYPICAL PLAN
SCALE: 1"=5'



2 / X 9 STANDARD UTILITY TRENCH DETAIL
TYPICAL DETAIL
SCALE: 1"=5'

NOTES:

1. UNLESS OTHERWISE NOTED OR SPECIFIED, MATERIALS AND INSTALLATION SHALL BE PER CALTRANS STANDARD SPECIFICATIONS, LATEST EDITION, REQUIREMENTS.
2. PROVIDE AC PAVEMENT SECTIONS AS FOLLOWS: UNLESS MORE STRINGENT STANDARD IN SPECIFICATION: PATHWAYS: 2" AC OVER 6" CLASS 2 BASE ROCK; ROADWAYS AND PARKING: 3" AC OVER 8" CLASS 2 BASE ROCK. INCREASE THE THICKNESS OF AC AND AGGREGATE BASE TO MATCH EXISTING WHEN GREATER THAN INDICATED ON THIS DETAIL. AC SHALL BE HOT MIX TYPE 'A' ASPHALT CONCRETE: FOR PATHS, 3/8" MAX. AGGREGATE; FOR ROADS, 1/2" MAX. AGGREGATE. FOG SEAL AFTER INSTALLATION.
3. WHERE EXISTING PAVEMENT IS PORTLAND CEMENT CONCRETE, AND TRENCH SAW CUT WILL BE WITHIN 30" OF EXISTING CONCRETE JOINT, REMOVE AND REPLACE CONCRETE TO JOINT. MATCH EXISTING FINISH, AND THICKNESS, MINIMUM THICKNESS 4".
4. FOR TRENCH DEPTHS GREATER THAN 6.5 FEET, ONLY TOP FIVE (5) FEET OF TRENCH SHALL BE 95% COMPACTED SELECT SAND BACKFILL. THE REMAINDER SHALL BE 90% COMPACTED SELECT SAND BACKFILL.
5. OWNER'S REPRESENTATIVE SHALL INSPECT BOTTOM OF ALL TRENCHES BEFORE PIPE OR CONDUIT PLACEMENT AND BACKFILL.



A / - - PROMENADE ACCESS RAMP
SECTION
SCALE: 1"=5'

PRELIMINARY
NOT FOR CONSTRUCTION

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PWA
PHILIP WILLIAMS & ASSOCIATES, LTD.
ENVIRONMENTAL HYDROLOGY
550 KEARNY STREET, SUITE 900
SAN FRANCISCO, CALIFORNIA 94108
PHONE (415) 262-2300 FAX (415) 262-2303

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COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE

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DRAWN BY: LAW

COYOTE POINT RECREATION AREA
100% COMPLETE DRAWINGS
MISCELLANEOUS DETAILS 2

JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
SAN MATEO COUNTY

555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 06-18-10
FILE NO.: 1/XXXX

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

9
SHEET 9 OF 11

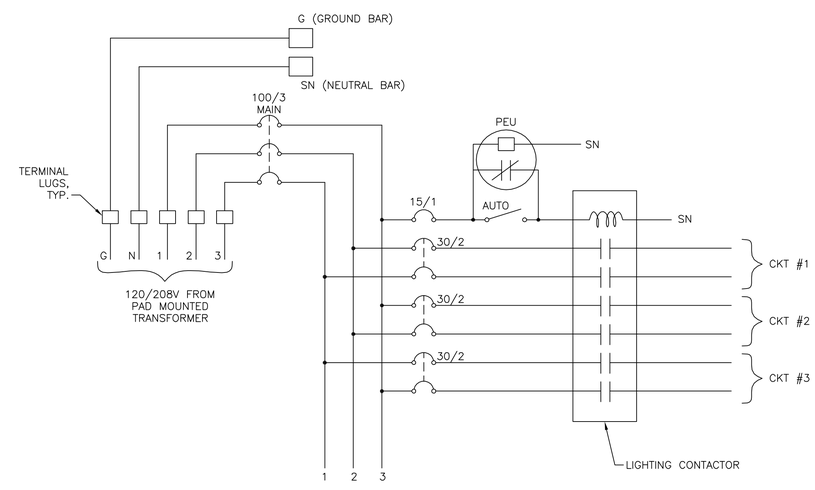
APPROVED:

DATE:

JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
R. C. E. # 48056 / EXPIRES 12-31-2009

1 / 5 10 ELECTRICAL LAYOUT PLAN

SCALE: 1"=20'



2 / - - DISTRIBUTION PEDESTAL SCHEMATIC DIAGRAM

SCALE: NTS

NOTES:

1. LIGHT STANDARD DETAILS INCLUDED ON SHEET 11 (EM4 SOUTH WEST AREA MECHANICAL AND ELECTRICAL PLAN AND DETAILS FROM COYOTE POINT PARK 1978 BEACH AREA DEVELOPMENT) PROVIDED BY SAN MATEO COUNTY (ON FILE)

CONSTRUCTION NOTES:

1. (N) CONCRETE PULLBOX, 17 ¼" X 30" X 24" D, STATE SPECIFICATION #6. PROVIDE WITH FIBERLYTE BOLT-DOWN COVER.
2. (N) DISTRIBUTION PEDESTAL, SIMILAR TO STATE TYPE III-AF, EXCEPT WITHOUT METER SOCKET AND WITH CIRCUIT BREAKERS, PHOTOCELL AND LIGHTING CONTACTOR PER WIRING DIAGRAM.
3. (E) 3" PVC SCHED. 40 CONDUIT. CONTRACTOR TO LOCATE AND EXTEND INTO (N) PULLBOX AND TERMINATE WITH 45 DEGREE ELBOW AND BELL.
4. INTERCEPT (E) 3" PVC CONDUIT AND EXTEND TO (N) PULLBOX AS INDICATED.
5. ABANDON IN PLACE REMAINING LENGTH OF (E) CONDUIT. REMOVE CONDUIT IF IT INTERFERES WITH (N) CONSTRUCTION.
6. (N) 4#2 AWG, #8(G) IN (E) AND (N) 3" PVC SCHED. 40 CONDUIT.
7. (N) (2) 3" PVC SCHED. 40 CONDUIT. USE (1) 3" PVC SCHED. 40 CONDUIT TO RUN FEEDER TO DISTRIBUTION PEDESTAL. USE (1) 3" PVC SCHED. 40 CONDUIT FOR BRANCH CIRCUITS TO PARKING LOT LIGHTS.
8. (N) 1" PVC SCHED 40, WITH 2#8 AWG, #10(G).

LEGEND

- E — (N) ELECTRICAL LINE
- E #8 — (N) TWO (2) SIZE #8 WIRES
- SINGLE LIGHT STANDARD
- DOUBLE LIGHT STANDARD

SCHEDULE OF EXISTING FIXTURES

FIXTURE TYPE	MFG	CAT. NO	LAMP	WATTAGE	HEIGHT	VOLTAGE	BASE
A	MOLD-CAST	T18194 LE BLK DURO W/ RWD TRIM	LOW PRESSURE SODIUM	55 (EA)	20-0	208V	SEE SHEET 11
B	MOLD-CAST	T18193 LE BLK DURO W/ RWD TRIM	LOW PRESSURE SODIUM	35	10-0	208V	SEE SHEET 11
C	MOLD-CAST	T1894 LE BLK DURO W/ RWD TRIM	LOW PRESSURE SODIUM	55	20-0	208V	SEE SHEET 11

PRELIMINARY
NOT FOR CONSTRUCTION

Q:\Projects\1876.02_CoyotePoint_Ph2\Drawings\1876.02_ELECTRIC.dwg 6-21-10 02:05:01 PM l.white

PREPARED BY:
PWA
PHILIP WILLIAMS & ASSOCIATES, LTD.
ENVIRONMENTAL HYDROLOGY
550 KEARNY STREET, SUITE 900
SAN FRANCISCO, CALIFORNIA 94108
PHONE (415) 262-2300 FAX (415) 262-2303

MTH engineers, inc.
3350 scott blvd., bldg. 11
santa clara, ca 95054
(408) 986-8558
FAX(408) 986-9627
PROJECT ND. 10XXX-XX

APPROVED DATE:
DAVE G. HOLLAND, DIRECTOR
SAN MATEO COUNTY PARKS DEPARTMENT

APPROVED DATE:
JULIO HERDOCIA
MTH ENGINEERS, INC.
R.E.E. # E9580 / EXPIRES 09-30-2010

COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE

DESIGNED BY: LAW
CHECKED BY: RTB
DRAWN BY: LAW

COYOTE POINT RECREATION AREA
100% COMPLETE DRAWINGS
ELECTRICAL LAYOUT

JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
SAN MATEO COUNTY

555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

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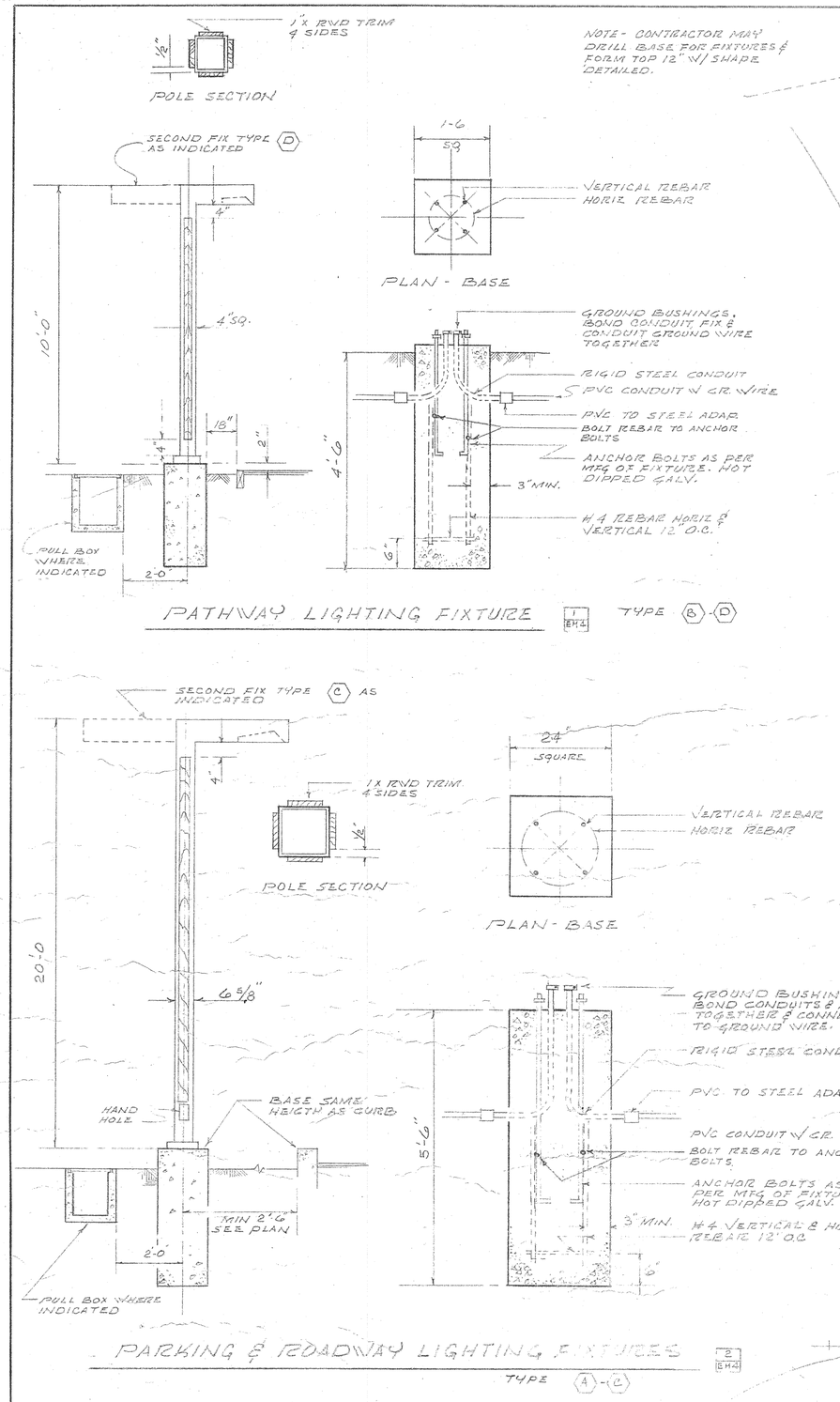

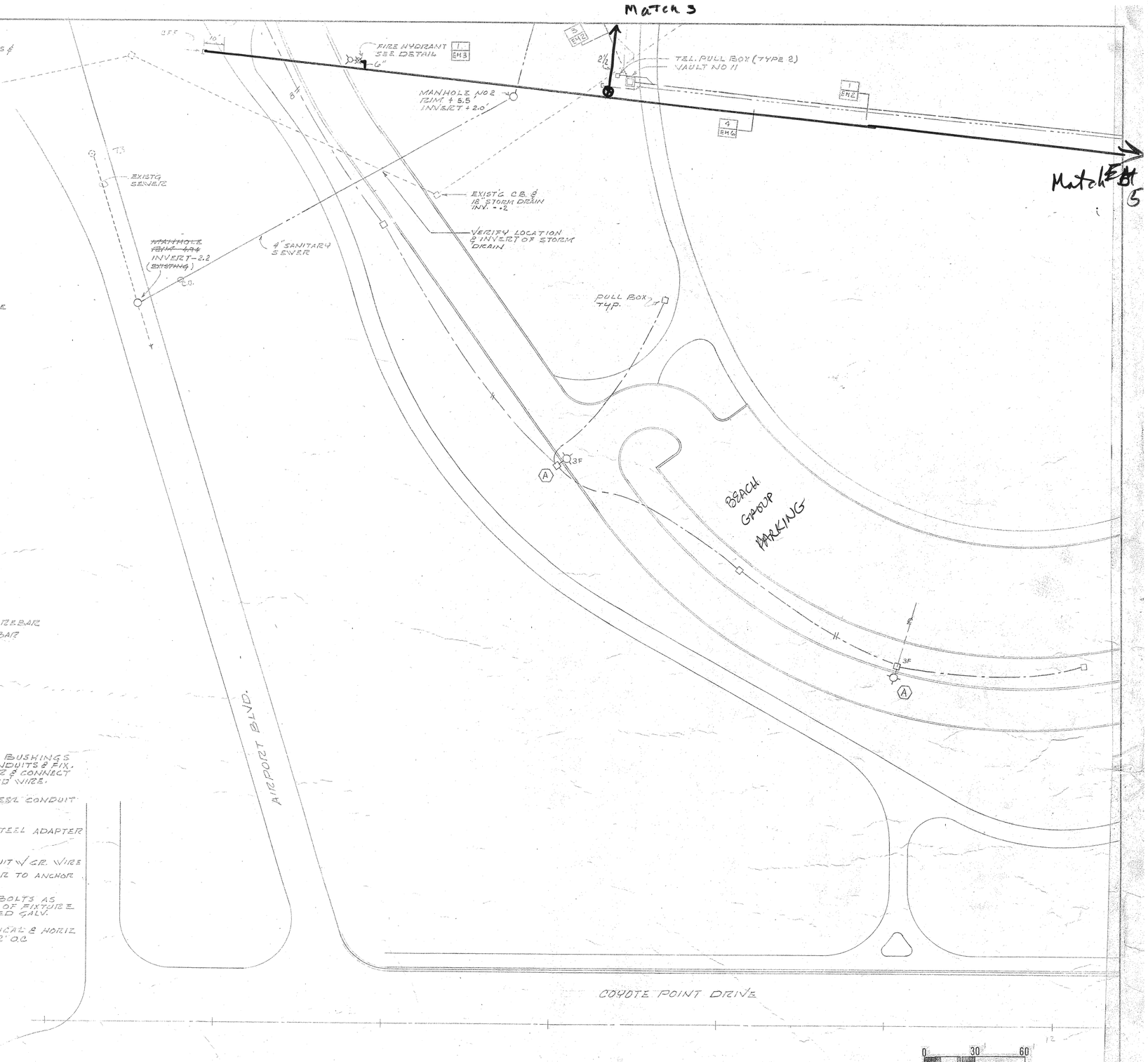

CHAIRMAN, BOARD OF SUPERVISORS	DEPARTMENT HEAD	DATE 2-7-78	
COUNTY MANAGER	SUPERVISOR, ARCH. & ENG. DIVISION C1990	DRAWN J.C.P.	
DIRECTOR, BUILDING CONSTRUCTION	ARCHITECT C2691	CHECKED C.F.D.	
CHIEF BUILDING CONSTRUCTION	CIVIL ENGINEER	REVISED	
		JOB NUMBER	

COUNTY OF SAN MATEO
DEPARTMENT OF BUILDING CONSTRUCTION AND GENERAL SERVICES
ARCHITECTURAL AND ENGINEERING DIVISION
COUNTY CENTER, REDWOOD CITY, TELEPHONE 364-5600, EXT. 2400

COYOTE POINT PARK
1978 BEACH AREA DEVELOPMENT
BAYSHORE AT COYOTE POINT DRIVE
SAN MATEO, CALIFORNIA

SOUTH WEST AREA
MECHANICAL & ELECTRICAL
PLAN & DETAILS

AS BUILT 7-27-79

SHEET EM4