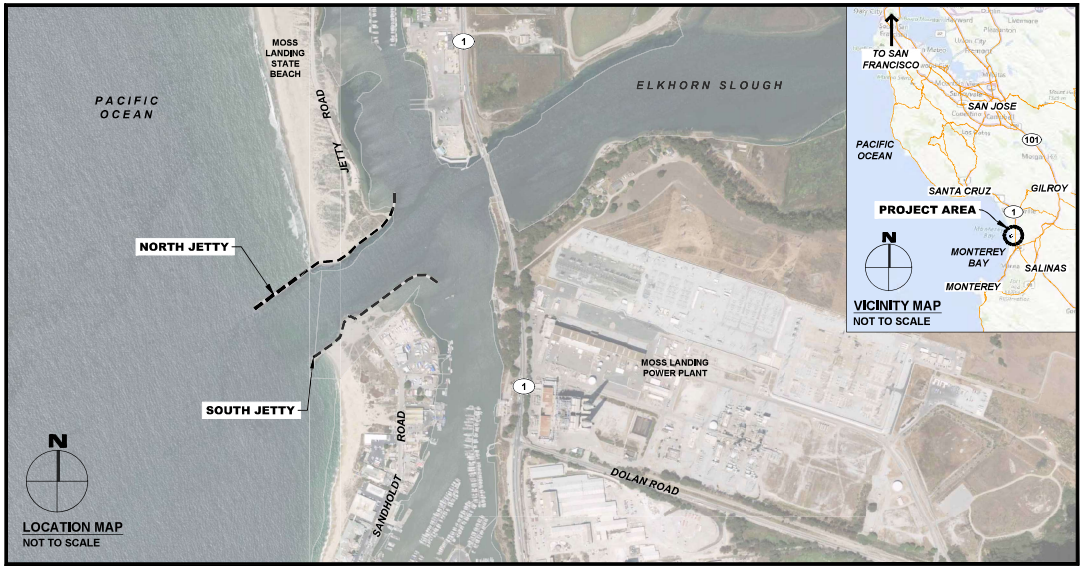
US Army Corps of Engineers®

San Francisco District

MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT



SOLICITATION NO.: W912P723B0001

CONTRACT NO.: W912P723C00XX

ISSUE DATE: OCTOBER 2022

THIS PROJECT WAS DESIGNED BY THE SAN FRANCISCO DISTRICT OF THE U.S. ARMY CORPS OF ENGINEERS. THE INITIALS OR SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS THAT APPEAR ON THESE PROJECT DOCUMENTS ARE WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER 1110-1-8152.

SIGNATURES AFFIXED BELOW INDICATE OFFICIAL RECOMMENDATION AND APPROVAL OF DRAWINGS IN THIS SET.

SUBMITTED BY:

SON T. HA, P.E., P.M.P. — DATE
CHIEF, ENGINEERING BRANCH

APPROVED BY:

RYAN T. LARSON, P.E. — DATE
CHIEF, ENGINEERING AND TECHNICAL SERVICES DIVISION

PREPARED UNDER THE DIRECTION OF:

KEVIN P. ARNETT, P.E.
LT. COLONEL, DISTRICT COMMANDER

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: F. SUN
DRAWN BY: A. MIRSCH
CHECKED BY: A. FARHAN
SUBMITTED BY: S. HA
SIZE: ANSI D
ISSUE DATE: OCTOBER 2022
SOLICITATION NO.: W912P723B0001
CONTRACT NO.: W912P723C00XX
PROJECT NO.:

U.S. ARMY CORPS OF ENGINEERS
SAN FRANCISCO DISTRICT
450 GOLDEN GATE AVE, 4TH FLOOR
SAN FRANCISCO, CA 94102-3404

MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

COVERSHEET

SHEET ID
G-001

SOLICITATION

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DRAWING INDEX

SHEET ID	DESCRIPTION
G-001	COVER SHEET
G-002	DRAWING INDEX, ABBREVIATIONS, LEGEND, SYMBOLS AND GENERAL NOTES
G-003	HAUL ROUTES AND SURVEY CONTROL POINTS
G-004	SITE ACCESS, STAGING AREAS AND LIMITS OF CONSTRUCTION
G-005	NORTH JETTY ALIGNMENT CONTROL
G-006	SOUTH JETTY ALIGNMENT CONTROL
C-001	NORTH JETTY EXISTING CONDITIONS
C-002	NORTH JETTY EXISTING CONDITIONS
C-003	SOUTH JETTY EXISTING CONDITIONS
C-004	SOUTH JETTY EXISTING CONDITIONS
C-101	NORTH JETTY PLAN AND PROFILE - STA 47+80 TO STA 55+75
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C-111	NORTH JETTY ISOPACH PLAN AND PROFILE - STA 47+80 TO STA 55+75
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C-301	NORTH JETTY CROSS SECTIONS
C-302	SOUTH JETTY CROSS SECTIONS
C-501	NORTH AND SOUTH JETTY TYPICAL REPAIR SECTIONS
C-502	TYPICAL JETTY REPAIR AND STONE PLACEMENT DETAILS
C-503	NAVIGATION AID DETAILS

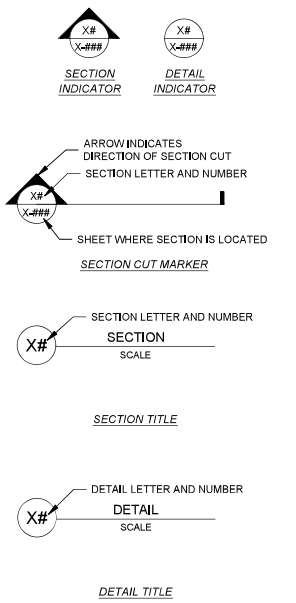
ABBREVIATIONS

APPROX	APPROXIMATE
ATON	AID TO NAVIGATION
℄	CENTERLINE
CO	CONTRACTING OFFICER
CONC	CONCRETE
(E)	EXISTING
E	EASTING
EG	EXISTING GRADE
EL	ELEVATION
EP	ENGINEERING PAMPHLET
FG	FINISHED GRADE/NEAT LINE
FT	FEET
H	HORIZONTAL
L	LINE
MHHW	MEAN HIGHER HIGH WATER
MHW	MEAN HIGH WATER
MIN	MINIMUM
MLLW	MEAN LOWER LOW WATER
MLW	MEAN LOW WATER
MSL	MEAN SEA LEVEL
N	NORTHING
N/A	NOT APPLICABLE
NAD 83	NORTH AMERICAN DATUM OF 1983
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
NTS	NOT TO SCALE
OFF	OFFSET
PCF	POUNDS PER CUBIC FOOT
PID	NATIONAL GEODETIC SURVEY BENCHMARK PERMANENT IDENTIFIER
R	RADIUS
STA	STATION
TYP	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
USCG	UNITED STATES COAST GUARD
V	VERTICAL
W/	WITH
W/O	WITHOUT

LEGEND

- LOCATION OF ATON
- SURVEY CONTROL
- EXISTING CONTOUR
- EXISTING ARMOR STONE
- NEW ARMOR STONE OR EXISTING STONE RESETS
- EXISTING GROUND
- CONSTRUCTION STAGING AREA
- EXISTING CONTOUR
- MONTEREY BAY NATIONAL MARINE SANCTUARY
- PROJECT SIGN
- DANGER SIGN
- EXISTING WILDLIFE PROTECTION FENCE

GENERAL SYMBOLOGY



GENERAL NOTES

1. HORIZONTAL DATUM IS NAD 83, CALIFORNIA STATE PLANE COORDINATE SYSTEM, ZONE IV, U.S. FEET.
2. VERTICAL DATUM IS MEAN LOWER LOW WATER.
3. ALL UNITS ARE IN U.S. FEET.
4. BATHYMETRY AND LIDAR CONTOURS INDICATE THE GENERAL CONDITIONS AT TIME OF SURVEY. BATHYMETRY SURVEYS WERE CONDUCTED DURING NOVEMBER 2020 AND AUGUST 2021. LIDAR SURVEY WAS CONDUCTED DURING OCTOBER 2020. SURVEYS WERE CONDUCTED BY THE U.S. ARMY CORPS OF ENGINEERS, SAN FRANCISCO DISTRICT.
5. INTERPOLATED CONTOUR DATA AND SLOPES MAY NOT REFLECT ACTUAL EXISTING CONDITIONS.
6. LOCATION AND DIMENSIONS OF JETTY CREST, TOE, AND REPAIR LOCATIONS ARE APPROXIMATE.
7. LOCATION OF ROADS, STRUCTURES AND FEATURES ARE APPROXIMATE.
8. NOAA REFERENCE STATION: MOSS LANDING, CA
   NOAA STATION ID: 9413616
   TIDAL EPOCH: 1983-2001
9. THIS PLAN SET IS RECOMMENDED TO BE PRINTED IN COLOR DUE TO REPRESENTATIONAL CONTOUR RANGES AND HATCHING.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: OCTOBER 2022
SOLICITATION NO.: W912P7-22-B-0001
CONTRACT NO.: W912P7-23-C-0XXX
PROJECT NO.:

DESIGNED BY: F. SUN
DRAWN BY: A. KIRSCH
CHECKED BY: A. FARHAN
SUBMITTED BY: S. HA
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAN FRANCISCO DISTRICT
450 GOLDEN GATE AVE, 4TH FLOOR
SAN FRANCISCO, CA 94102-3404

MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

DRAWING INDEX, ABBREVIATIONS, LEGEND, SYMBOLS AND GENERAL NOTES

SHEET ID
G-002

SOLICITATION

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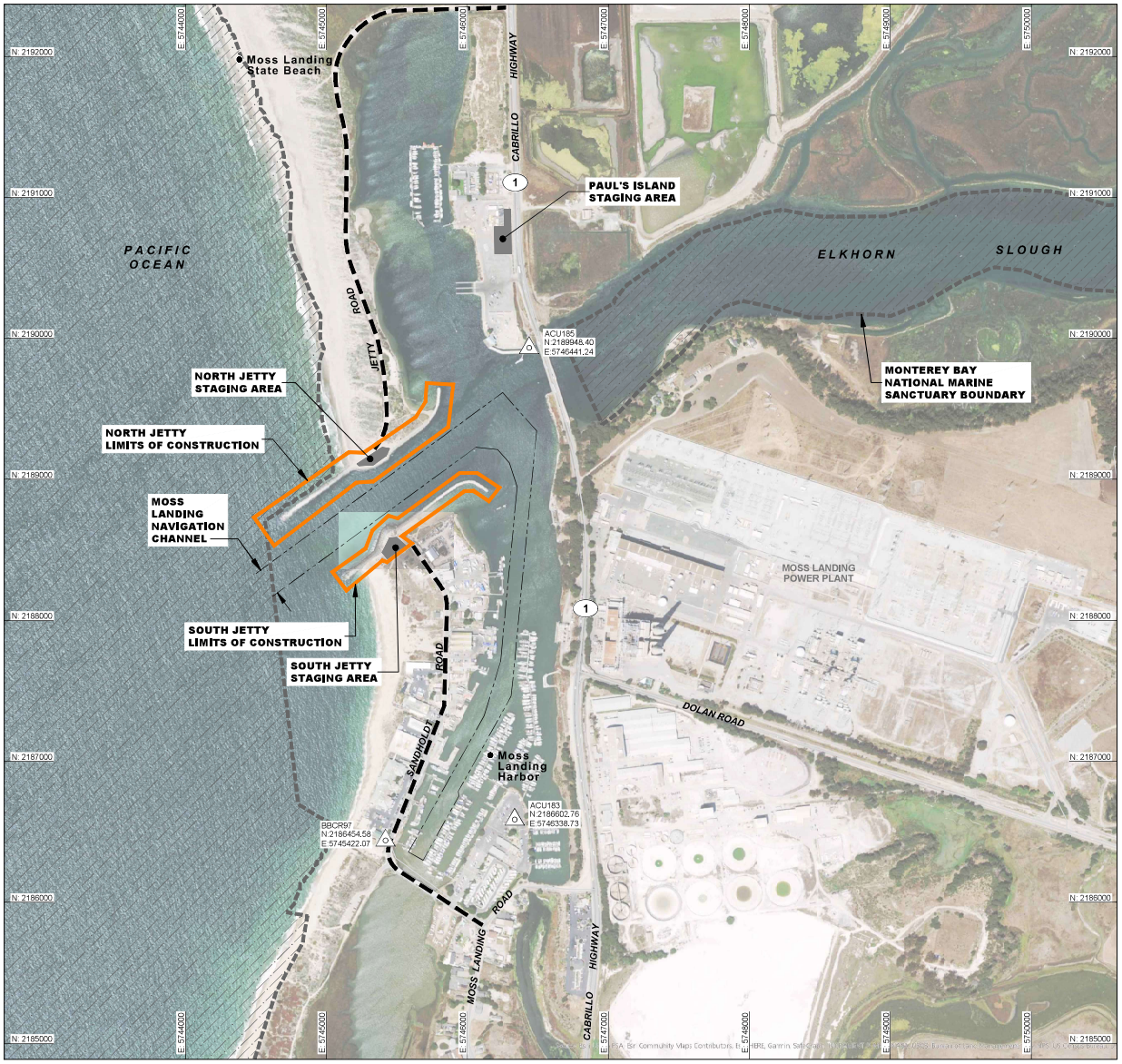

A1 HAUL ROUTES AND SURVEY CONTROL POINTS
SCALE: 1"=400'

NOTES:

1. INGRESS AND EGRESS TO ANY DOCKS / PIERS / BOAT YARDS ARE ONLY SHOWN LEADING TO THE NEAREST STREET, CALIFORNIA HIGHWAY, OR FEDERAL INTERSTATE.
2. SURVEY CONTROL HORIZONTAL DATUM IS CALIFORNIA NAD83 STATE PLANE ZONE 4, US FOOT. SURVEY CONTROL VERTICAL DATUM IS MLLW.
3. NOAA REFERENCE STATION: MOSS LANDING, CA
   NOAA STATION ID: 9413616
   TIDAL EPOCH: 1983-2001

LEGEND

- EXISTING ROAD
- NAVIGATION CHANNEL
- SURVEY CONTROL POINT
- APPROXIMATE LIMITS OF CONSTRUCTION
- MONTEREY BAY NATIONAL MARINE SANCTUARY

CONTROL POINT COORDINATE TABLE

POINT ID	EASTING	NORTHING	ELEVATION, FT (MLLW)	MARKER
ACU183	5,746,338.73	2,186,602.76	11.52	941 3616 D TIDAL
ACU185	5,746,441.24	2,189,948.40	8.46	941 3623 A TIDAL
BBCR97	5,745,422.07	2,186,454.58	14.14	941 3616 A TIDAL

TIDAL DATUMS

DATUM	ELEVATION, FT (MLLW)
MHHW	5.22
MHW	4.52
MSL	2.73
MLW	1.04
MLLW	0.00

N

0 400 800 Feet

US Army Corps of Engineers®

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SAN FRANCISCO DISTRICT
450 GOLDEN GATE AVE, 4TH FLOOR
SAN FRANCISCO, CA 94102-3404

MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

HAUL ROUTES AND SURVEY CONTROL POINTS

SHEET ID
G-003

SOLICITATION

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CONTROL LINE TABLE - NORTH JETTY LIMITS OF CONSTRUCTION						
NUMBER	START EASTING	START NORTHING	END EASTING	END NORTHING	LENGTH (FT)	BEARING
L1	5745705.46	2189692.21	5745696.03	2189556.97	135.56	S3° 59' 19.45"W
L2	5745696.03	2189556.97	5745627.00	2189451.50	126.06	S33° 12' 16.61"W
L3	5745627.00	2189451.50	5745257.54	2189198.56	447.75	S55° 36' 13.74"W
L4	5745257.54	2189198.56	5745156.00	2189203.00	101.64	N87° 29' 49.95"W
L5	5745156.00	2189203.00	5744480.17	2188741.94	818.12	S55° 41' 53.10"W
L6	5744480.17	2188741.94	5744623.08	2188540.25	247.19	S35° 19' 16.51"E
L7	5744623.08	2188540.25	5745208.38	2188986.42	735.96	N52° 40' 55.57"E
L8	5745208.38	2188986.42	5745324.43	2188994.49	116.34	N86° 01' 07.32"E
L9	5745324.43	2188994.49	5745858.50	2189379.27	658.24	N54° 13' 41.55"E
L10	5745858.50	2189379.27	5745894.09	2189682.03	304.84	N6° 42' 19.02"E
L11	5745894.09	2189682.03	5745705.46	2189692.21	188.91	N86° 54' 38.23"W

CONTROL LINE TABLE - SOUTH JETTY LIMITS OF CONSTRUCTION						
NUMBER	START EASTING	START NORTHING	END EASTING	END NORTHING	LENGTH (FT)	BEARING
L12	5746222.34	2188950.73	5746064.47	2189055.24	189.33	N56° 29' 45.12"W
L13	5746064.47	2189055.24	5745940.92	2189054.71	123.55	S89° 45' 18.78"W
L14	5745940.92	2189054.71	5745498.77	2188732.90	546.86	S53° 57' 06.36"W
L15	5745498.77	2188732.90	5745436.03	2188753.21	65.95	N72° 03' 39.18"W
L16	5745436.03	2188753.21	5745320.40	2188648.43	156.04	S47° 48' 53.26"W
L17	5745320.40	2188648.43	5745271.85	2188519.97	137.32	S20° 42' 23.85"W
L18	5745271.85	2188519.97	5745037.54	2188353.99	287.14	S54° 41' 12.97"W
L19	5745037.54	2188353.99	5745135.76	2188221.60	164.85	S36° 34' 16.53"E
L20	5745135.76	2188221.60	5745392.82	2188434.29	333.65	N50° 23' 43.74"E
L21	5745392.82	2188434.29	5745423.62	2188422.78	32.88	S69° 30' 11.41"E
L22	5745423.62	2188422.78	5745601.63	2188555.23	221.88	N53° 20' 56.23"E
L23	5745601.63	2188555.23	5745527.89	2188606.87	90.03	N54° 59' 51.62"W
L24	5745527.89	2188606.87	5745976.15	2188926.01	550.26	N54° 33' 05.47"E
L25	5745976.15	2188926.01	5746040.66	2188927.57	64.52	N88° 36' 52.20"E
L26	5746040.66	2188927.57	5746145.44	2188854.51	127.74	S55° 06' 49.74"E
L27	5746145.44	2188854.51	5746222.34	2188950.73	123.17	N38° 37' 50.42"E

LEGEND

- EXISTING ROAD
- APPROXIMATE LIMITS OF CONSTRUCTION
- CONSTRUCTION STAGING AREA
- JETTY CONTROL LINE
- APPROXIMATE JETTY CREST
- APPROXIMATE JETTY TOE
- NAVIGATION CHANNEL
- LOT PARCEL (MONTEREY COUNTY)
- MONTEREY BAY NATIONAL MARINE SANCTUARY
- SURVEY CONTROL POINT

N

0 100 200 Feet

A1 SITE ACCESS, STAGING AREAS AND LIMITS OF CONSTRUCTION
SCALE: 1"=100'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: F. SUN
DRAWN BY: A. KIRSCH
CHECKED BY: A. FARHAN
SUBMITTED BY: S. HA
SIZE: ANSI D
ISSUE DATE: OCTOBER 2022
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CONTRACT NO.: W912P723C00XX
PROJECT NO.:

U.S. ARMY CORPS OF ENGINEERS
SAN FRANCISCO DISTRICT
450 GOLDEN GATE AVE, 4TH FLOOR
SAN FRANCISCO, CA 94102-3404

MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

SITE ACCESS, STAGING AREAS AND LIMITS OF CONSTRUCTION

SHEET ID
G-004

SOLICITATION

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NORTH JETTY ALIGNMENT CONTROL LINE TABLE

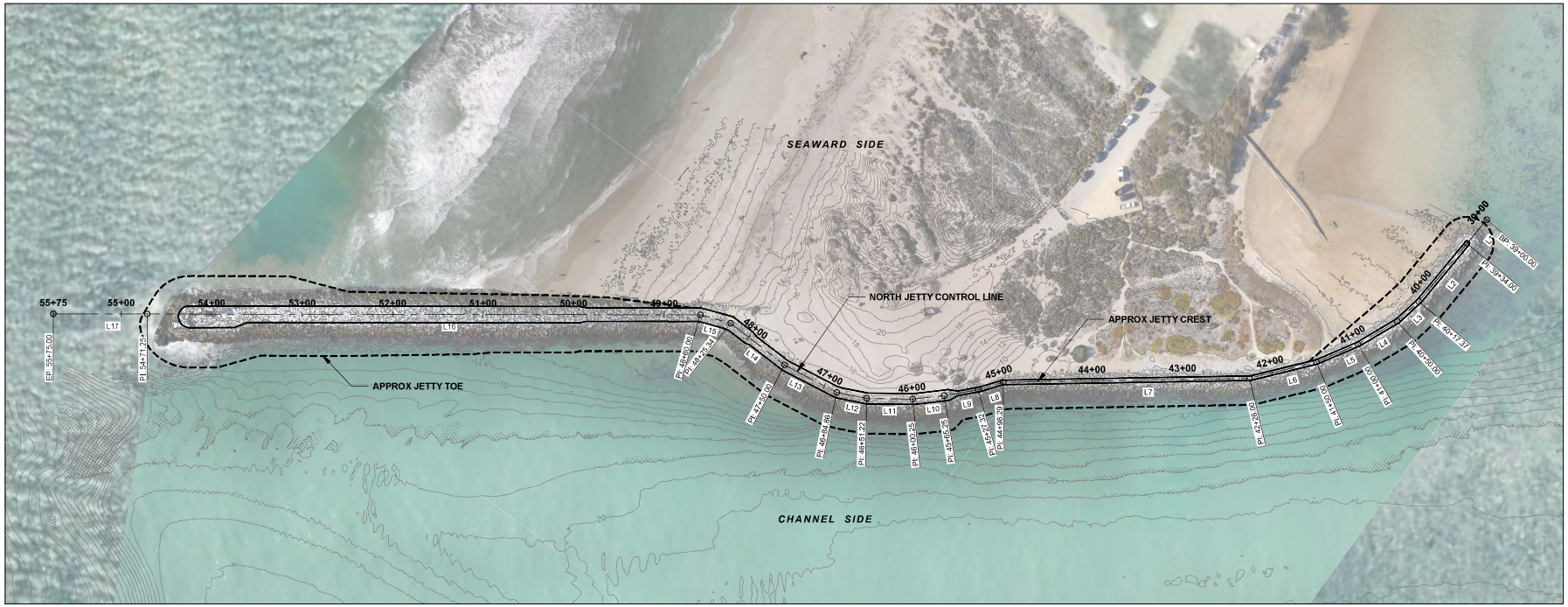
Line #	Length	Direction	Start Easting	Start Northing	End Easting	End Northing
L1	34.00	S3° 32' 39.44"W	5745800.19	2189680.82	5745798.08	2189646.88
L2	83.37	S3° 31' 33.33"W	5745798.08	2189646.88	5745792.96	2189563.66
L3	32.63	S11° 25' 26.56"W	5745792.96	2189563.66	5745786.49	2189531.68
L4	50.00	S23° 18' 59.04"W	5745786.49	2189531.68	5745766.70	2189485.77
L5	50.00	S30° 42' 29.64"W	5745766.70	2189485.77	5745741.17	2189442.78
L6	76.00	S40° 07' 13.41"W	5745741.17	2189442.78	5745692.20	2189384.66
L7	272.29	S52° 48' 35.22"W	5745692.20	2189384.66	5745475.28	2189220.07
L8	29.03	S37° 10' 19.60"W	5745475.28	2189220.07	5745457.74	2189196.94
L9	37.93	S44° 01' 31.50"W	5745457.74	2189196.94	5745431.38	2189169.66
L10	35.00	S47° 34' 41.70"W	5745431.38	2189169.66	5745405.54	2189146.05
L11	50.97	S54° 35' 37.38"W	5745405.54	2189146.05	5745364.00	2189116.52
L12	33.64	S65° 13' 14.02"W	5745364.00	2189116.52	5745333.46	2189102.42
L13	65.14	S81° 22' 02.73"W	5745333.46	2189102.42	5745269.06	2189092.65
L14	75.34	N88° 33' 43.44"W	5745269.06	2189092.65	5745193.74	2189094.54
L15	34.66	S69° 30' 15.68"W	5745193.74	2189094.54	5745161.27	2189082.40
L16	611.25	S53° 50' 22.61"W	5745161.27	2189082.40	5744667.77	2188721.74
L17	103.75	S53° 49' 59.20"W	5744667.77	2188721.74	5744584.01	2188660.51

LEGEND

———	APPROXIMATE JETTY CREST
- - - - - - -	APPROXIMATE JETTY TOE
—— – ——	JETTY CONTROL ALIGNMENT LINE
PI: 39+34	JETTY CONTROL ALIGNMENT LABEL
-20	EXISTING CONTOUR LINE

NOTES

1. SURVEY CONTROL HORIZONTAL DATUM IS CALIFORNIA NAD83 STATE PLANE ZONE 4, US FOOT. SEE DRAWING G-003 FOR CONTROL POINT REFERENCE DATA.



A1 NORTH JETTY
SCALE: 1"=60'

0 60 120 Feet

US Army Corps of Engineers®

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MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

NORTH JETTY
ALIGNMENT CONTROL

SHEET ID
G-005

SOLICITATION

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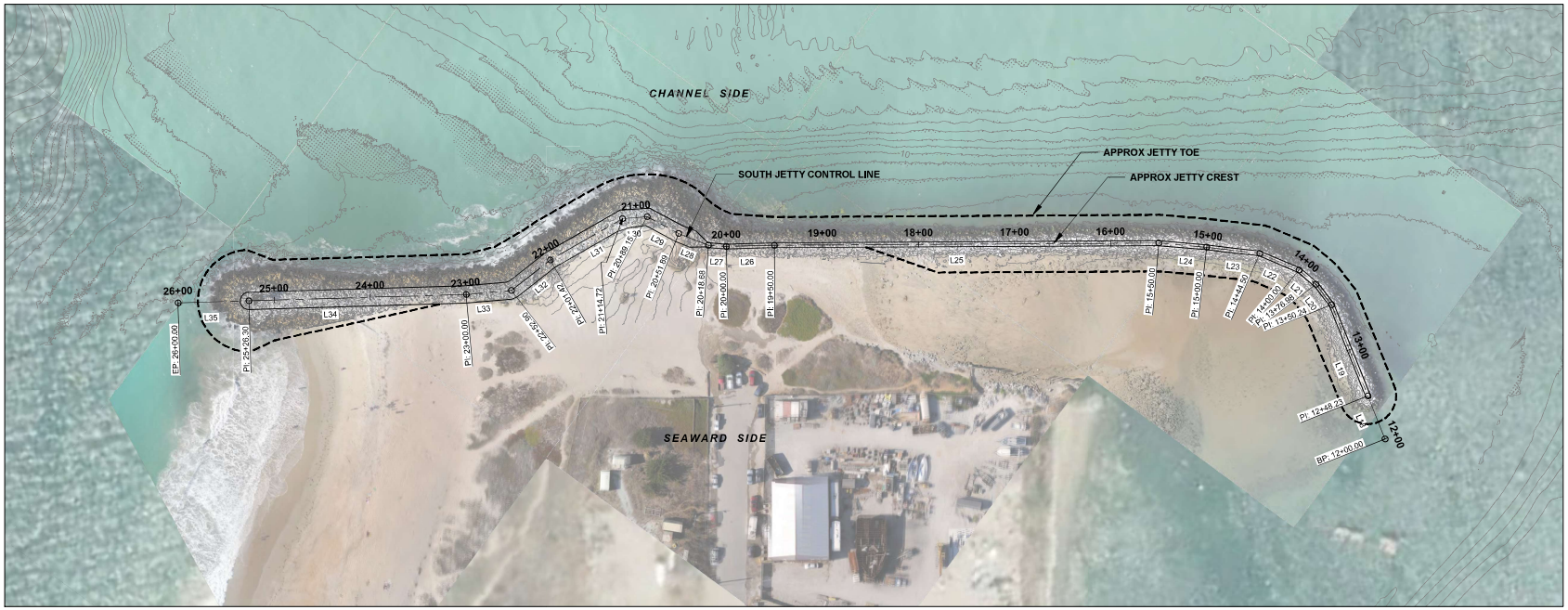
SOUTH JETTY ALIGNMENT CONTROL LINE TABLE						
Line #	Length	Direction	Start Easting	Start Northing	End Easting	End Northing
L18	48.23	N57° 59' 18.18"W	5746180.89	2188907.79	5746140.00	2188933.36
L19	102.01	N57° 59' 18.18"W	5746140.00	2188933.36	5746053.50	2188987.43
L20	26.74	N73° 27' 59.10"W	5746053.50	2188987.43	5746027.86	2188995.04
L21	23.02	N86° 29' 22.43"W	5746027.86	2188995.04	5746004.89	2188996.45
L22	44.50	S76° 53' 38.45"W	5746004.89	2188996.45	5745961.55	2188986.36
L23	55.50	S60° 20' 48.69"W	5745961.55	2188986.36	5745913.32	2188956.90
L24	50.00	S58° 43' 03.07"W	5745913.32	2188958.90	5745870.59	2188932.94
L25	400.00	S53° 26' 02.92"W	5745870.59	2188932.94	5745549.32	2188694.64
L26	50.00	S52° 15' 34.27"W	5745549.32	2188694.64	5745509.78	2188664.04
L27	18.68	S57° 44' 01.33"W	5745509.78	2188664.04	5745493.98	2188654.07
L28	33.22	S75° 24' 46.72"W	5745493.98	2188654.07	5745461.84	2188645.70
L29	37.26	S81° 49' 41.45"W	5745461.84	2188645.70	5745424.96	2188640.41
L30	25.57	S49° 01' 09.00"W	5745424.96	2188640.41	5745405.66	2188623.64
L31	86.70	S24° 02' 28.85"W	5745405.66	2188623.64	5745370.34	2188544.46
L32	51.48	S15° 39' 33.78"W	5745370.34	2188544.46	5745356.44	2188494.89
L33	47.10	S48° 44' 41.11"W	5745356.44	2188494.89	5745321.03	2188463.83
L34	226.30	S52° 05' 51.26"W	5745321.03	2188463.83	5745142.46	2188324.81
L35	73.70	S52° 06' 11.15"W	5745142.46	2188324.81	5745084.31	2188279.54

LEGEND

———	APPROXIMATE JETTY CREST
- - - - - - -	APPROXIMATE JETTY TOE
—— – ——	JETTY CONTROL ALIGNMENT LINE
PI: 39+34	JETTY CONTROL ALIGNMENT LABEL
-20	EXISTING CONTOUR LINE

NOTES

1. SURVEY CONTROL HORIZONTAL DATUM IS CALIFORNIA NAD83 STATE PLANE ZONE 4, US FOOT. SEE DRAWING G-003 FOR CONTROL POINT REFERENCE DATA.



A1 SOUTH JETTY
SCALE: 1"=60'

0 60 120 Feet

US Army Corps of Engineers®

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SOUTH JETTY
ALIGNMENT CONTROL

SHEET ID
G-006

SOLICITATION

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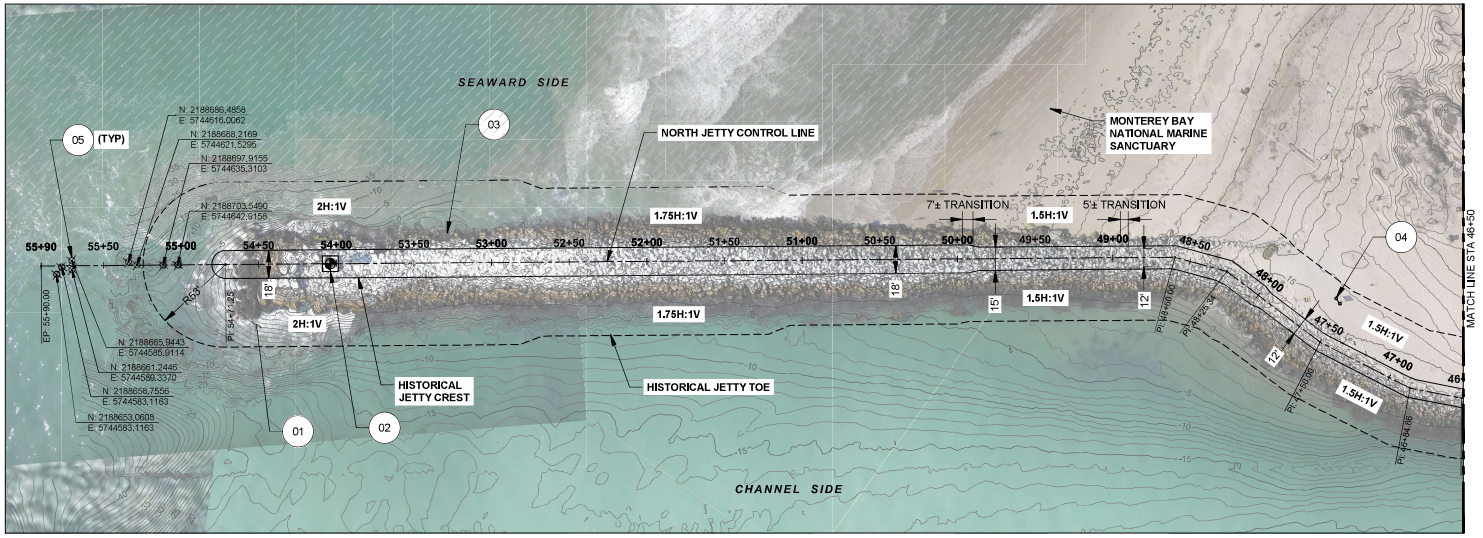


KEY NOTES

(01) NORTH JETTY HEAD, EXISTING CONDITION. SEE DWGS C-101-C104 FOR REPAIR DETAILS.

(02) EXISTING ATON VERTICAL STRUCTURAL MEMBER TO BE REMOVED FROM CONCRETE BASE AND STORED DURING CONSTRUCTION. (E) CONCRETE BASE TO BE DEMOLISHED. (N) CONCRETE BASE TO BE CONSTRUCTED PER SHEET C-503. (E) ATON TO BE INSTALLED ON (N) CONCRETE BASE. COORDINATE WITH USCG PRIOR TO RE-INSTALLATION OF ATON.

(03) NORTH JETTY SEAWARD SIDE, EXISTING CONDITION. SEE DWGS C-101 AND C-102 FOR REPAIR DETAILS.

(04) EXISTING DANGER SIGN AND CONCRETE BASE TO BE REMOVED AND REPLACED WITH NEW DANGER SIGN PER EP 310-1-6a.

(05) TIMBER PILES TO BE REMOVED (8 IN TOTAL). CONTRACTOR TO VERIFY LOCATION AND NUMBER OF PILES.

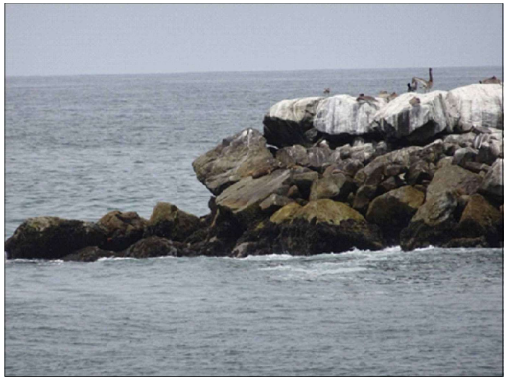
LEGEND

- JETTY CONTROL LINE
- APPROXIMATE JETTY CREST
- APPROXIMATE JETTY TOE
- MONTEREY BAY NATIONAL MARINE SANCTUARY
- (E) TIMBER PILE TO BE REMOVED
- EXISTING FEATURE TO BE DEMOLISHED/REMOVED

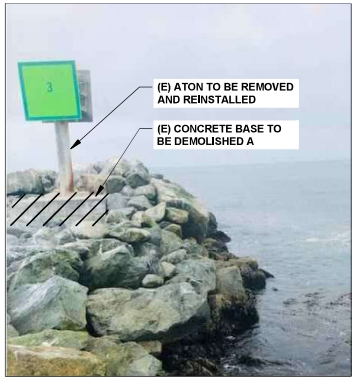
G1 PLAN VIEW - NORTH JETTY STA 46+50 TO STA 55+70

SCALE: 1"=40'

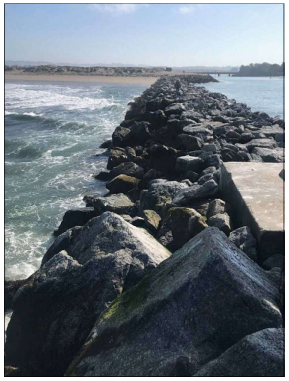
0 40 80 Feet



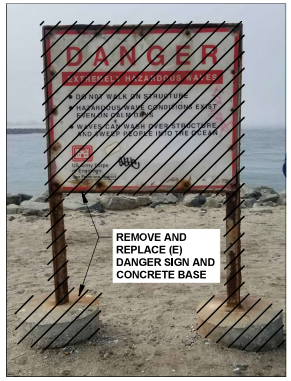
01 NORTH JETTY HEAD (FACING NORTH)



02 NAVIGATION AID



03 NORTH JETTY SEAWARD SIDE FACING EAST



04 DANGER SIGN

US Army Corps of Engineers

MARK	DESCRIPTION	DATE

DESIGNED BY: F. SUN
DRAWN BY: A. MERSCH
CHECKED BY: A. FARHAN
SUBMITTED BY: S. HA
SIZE: ANSI D
ISSUE DATE: OCTOBER 2022
SOLICITATION NO.: W912P723-22-B-0001
CONTRACT NO.: W912P723C00XX
PROJECT NO.:

U.S. ARMY CORPS OF ENGINEERS
SAN FRANCISCO DISTRICT
450 GOLDEN GATE AVE, 4TH FLOOR
SAN FRANCISCO, CA 94102-3404

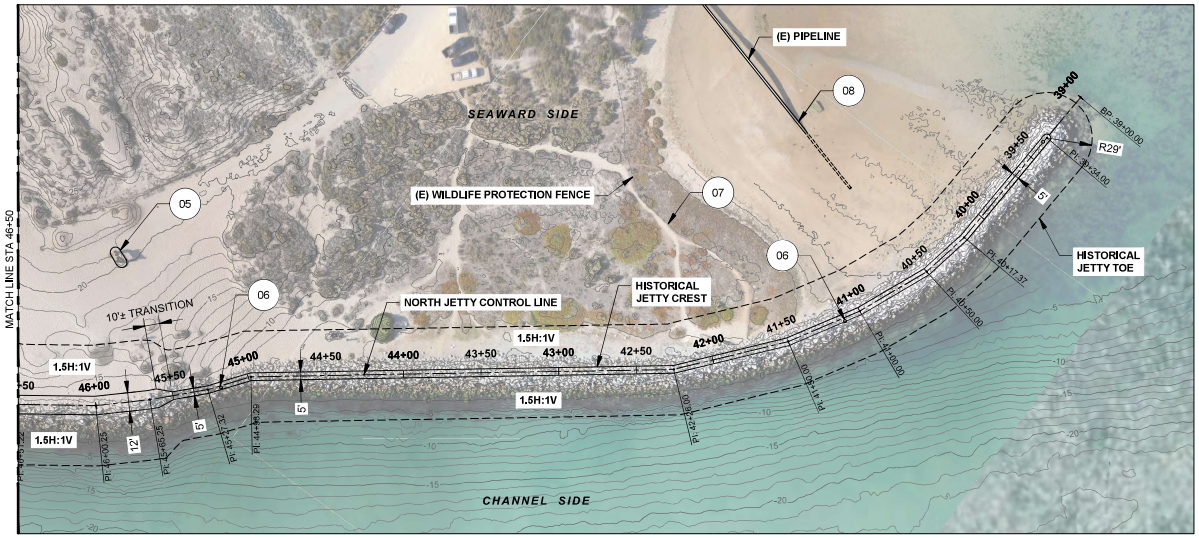
MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

NORTH JETTY
EXISTING CONDITIONS

SHEET ID
C-001

SOLICITATION

C:\Users\L3ECEALK\AppData\Local\Temp\AcPublish_6404\ C001-C002.dwg 13 Oct 2022 - 1:00pm



G1 PLAN VIEW - NORTH JETTY STA 39+00 TO STA 46+50

SCALE: 1"=40'

0 40 80 Feet

KEY NOTES

05 EXISTING NORTH JETTY PROJECT SIGN AND CONCRETE BASE TO BE REMOVED AND REPLACED WITH NEW GROUND-MOUNTED PROJECT SIGN PER EP 310-1-6.

06 EXISTING BOLLARD (TYPICAL); PROTECT IN PLACE.

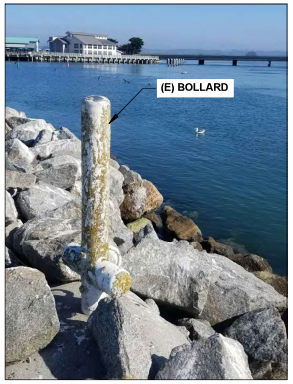
07 EXISTING WILDLIFE PROTECTION FENCE; PROTECT IN PLACE.

08 UNKNOWN UTILITY PIPE; PROTECT IN PLACE.

LEGEND

- JETTY CONTROL LINE
- APPROXIMATE JETTY CREST
- APPROXIMATE JETTY TOE
- EXISTING FEATURE TO BE DEMOLISHED

05 NORTH JETTY PROJECT SIGN



06 BOLLARD

07 WILDLIFE PROTECTION FENCE

08 UTILITY PIPE

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: F. SUN
DRAWN BY: A. KIRSCH
CHECKED BY: A. FARHAN
SUBMITTED BY: S. HA
SIZE: ANSI D
ISSUE DATE: OCTOBER 2022
SOLICITATION NO.: W912P7-22-B0001
CONTRACT NO.: W912P723C00XX
PROJECT NO.:

U.S. ARMY CORPS OF ENGINEERS
SAN FRANCISCO DISTRICT
450 GOLDEN GATE AVE, 4TH FLOOR
SAN FRANCISCO, CA 94102-3404

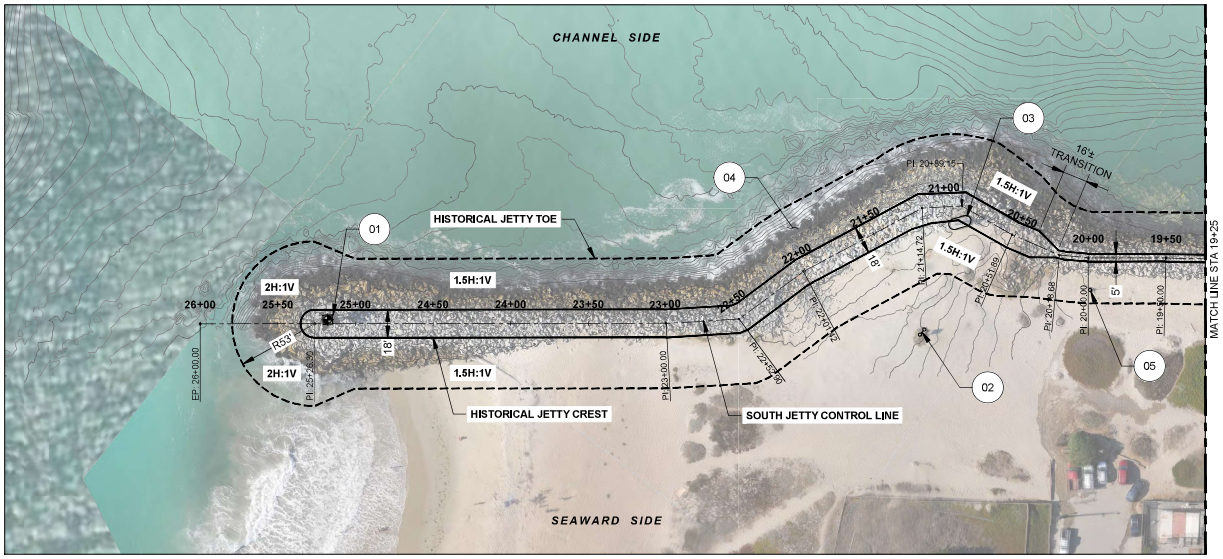
MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

NORTH JETTY
EXISTING CONDITIONS

SHEET ID
C-002

SOLICITATION

C:\Users\L3ECEALK\AppData\Local\Temp\AcPublish_6404\ C001-C002.dwg 13 Oct 2022 - 1:01pm



G1 PLAN VIEW - SOUTH JETTY STA 19+25 TO STA 26+00

SCALE: 1"=40'

0 40 80 Feet

KEY NOTES

01 EXISTING ATON VERTICAL STRUCTURAL MEMBER TO BE REMOVED FROM CONCRETE BASE AND STORED DURING CONSTRUCTION. EXISTING CONCRETE BASE TO BE DEMOLISHED. (N) CONCRETE BASE TO BE CONSTRUCTED PER C-503. ATON TO BE INSTALLED ON (N) CONCRETE BASE. COORDINATE WITH USCG PRIOR TO RE-INSTALLATION OF ATON.

02 EXISTING DANGER SIGN TO BE REMOVED AND REPLACED WITH NEW DANGER SIGN PER USACE SIGN STANDARDS MANUAL EP 310-1-6a. SEE C-103 FOR NEW LOCATION

03 EXISTING SOUTH JETTY PROJECT IDENTIFICATION SIGN AND CONCRETE BASE TO BE REMOVED. INSTALL NEW GROUND-MOUNTED PROJECT IDENTIFICATION SIGN PER USACE SIGN STANDARDS MANUAL EP 310-1-6a.

04 SOUTH JETTY EXISTING CONDITION. SEE PLANS FOR REPAIR DETAILS.

05 EXISTING BOLLARD (TYPICAL); PROTECT IN PLACE.

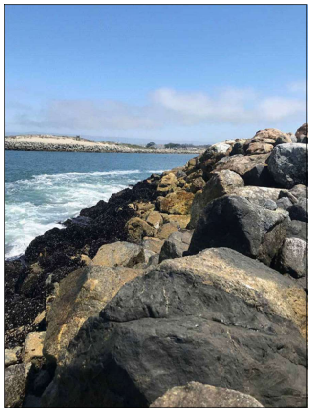
LEGEND

- JETTY CONTROL LINE
- APPROXIMATE JETTY CREST
- APPROXIMATE JETTY TOE
- EXISTING FEATURE TO BE DEMOLISHED

01 NAVIGATION AID

02 DANGER SIGN

03 SOUTH JETTY PROJECT SIGN



04 SOUTH JETTY CHANNEL SIDE FACING EAST

US Army Corps of Engineers

MARK	DESCRIPTION	DATE

DESIGNED BY: F. SUN
DRAWN BY: A. KIRSCH
CHECKED BY: A. FARHAN
SUBMITTED BY: S. HA
SIZE: ANSI D
ISSUE DATE: OCTOBER 2022
SOLICITATION NO.: W912P723-22-B-0001
CONTRACT NO.: W912P723C00XX
PROJECT NO.:

U.S. ARMY CORPS OF ENGINEERS
SAN FRANCISCO DISTRICT
450 GOLDEN GATE AVE, 4TH FLOOR
SAN FRANCISCO, CA 94102-3404

MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

SOUTH JETTY
EXISTING CONDITIONS

SHEET ID
C-003

SOLICITATION

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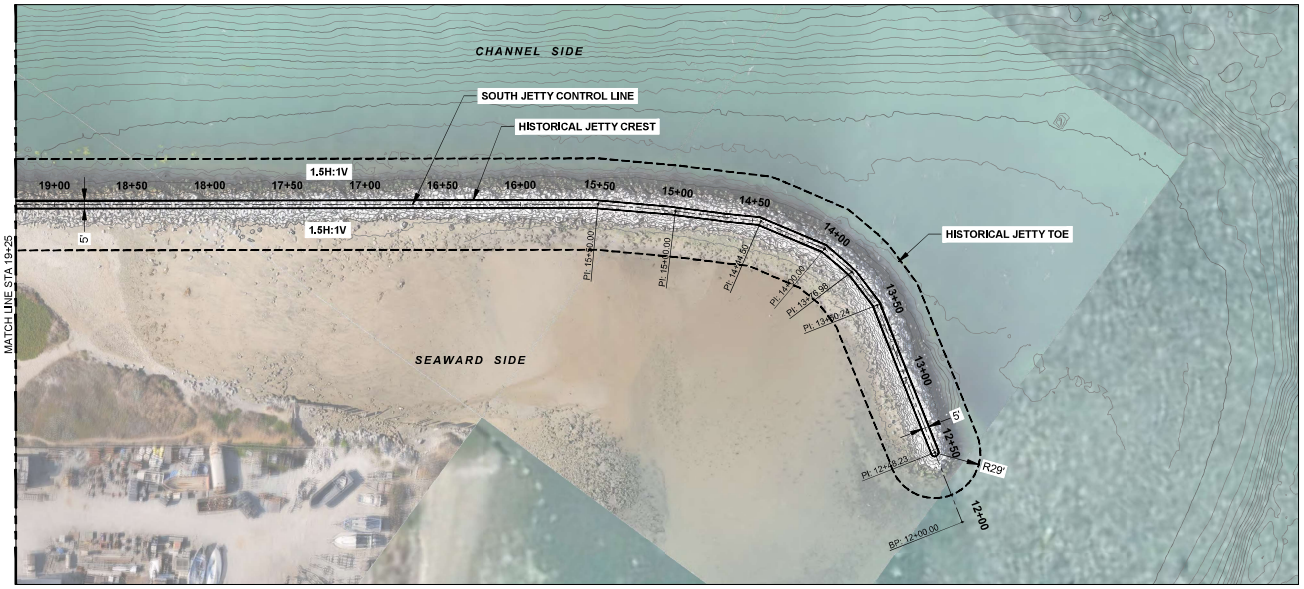

LEGEND

- JETTY CONTROL LINE
- APPROXIMATE JETTY CREST
- APPROXIMATE JETTY TOE

N

0 40 80 Feet

G1 PLAN VIEW - SOUTH JETTY STA 12+00 TO STA 19+25

SCALE: 1"=40'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: F. SUN
DRAWN BY: A. MIRSCH
CHECKED BY: A. FARHAN
SUBMITTED BY: S. HA
SIZE: ANSI D

ISSUE DATE: OCTOBER 2022
SOLICITATION NO.: W912P723-22-B-0001
CONTRACT NO.: W912P723C00XX
PROJECT NO.:

U.S. ARMY CORPS OF ENGINEERS
SAN FRANCISCO DISTRICT
450 GOLDEN GATE AVE, 4TH FLOOR
SAN FRANCISCO, CA 94102-3404

MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

SOUTH JETTY
EXISTING CONDITIONS

SHEET ID
C-004

SOLICITATION

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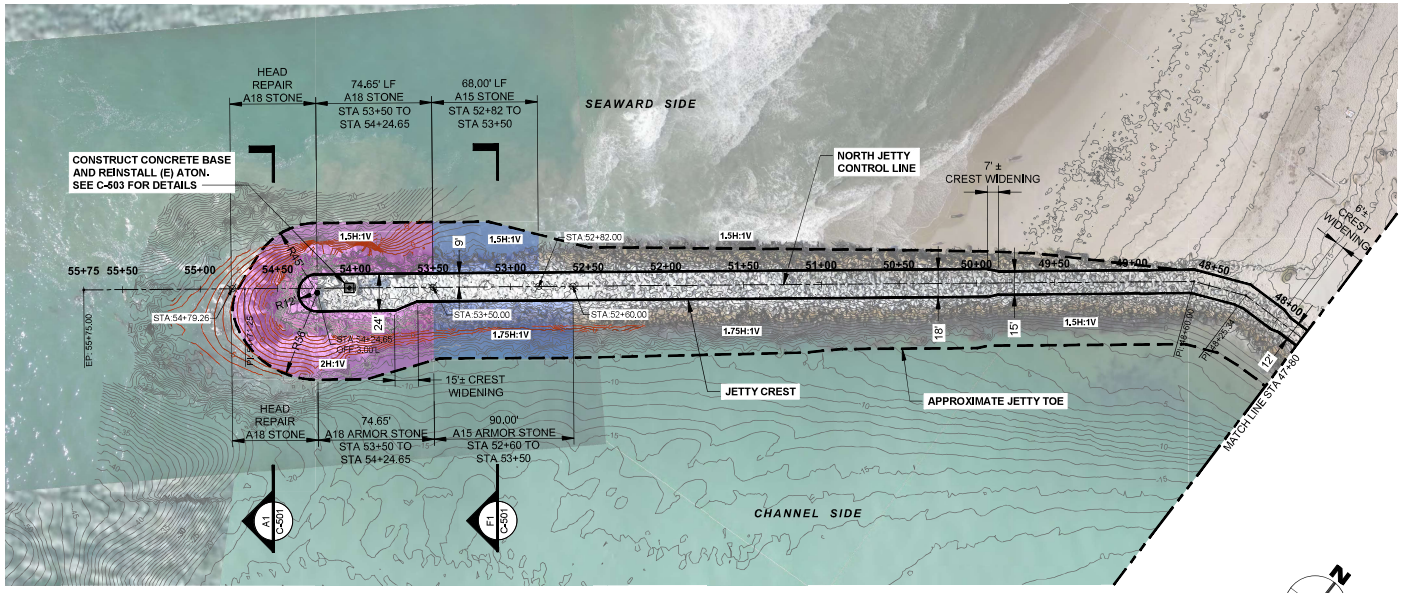


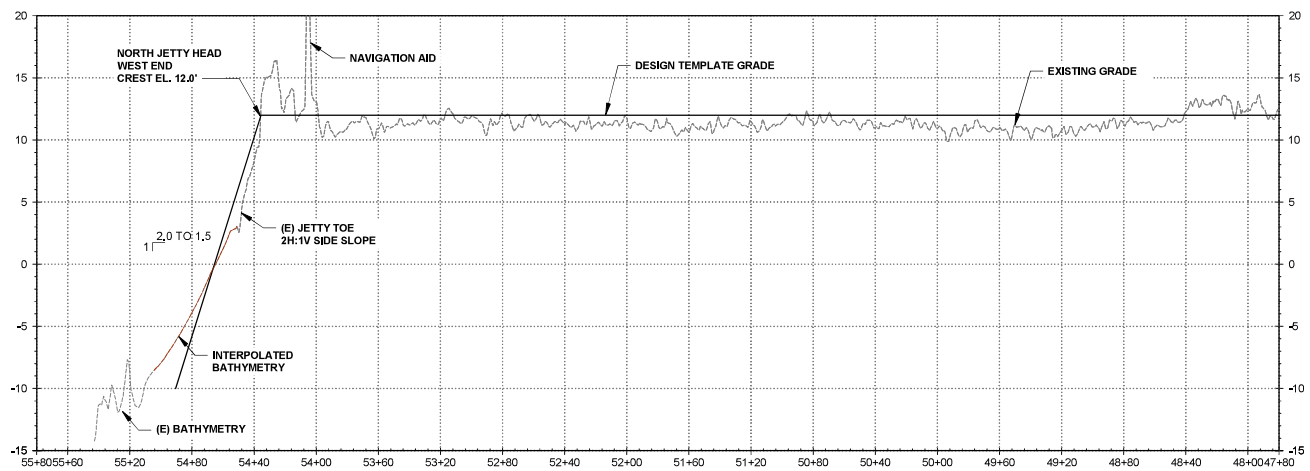
LEGEND

- REPAIR LOCATION - A18 ARMOR STONE
- REPAIR LOCATION - A15 ARMOR STONE
- (E) CONTOUR (INTERPOLATED)
- (E) CONTOUR
- JETTY CREST
- JETTY TOE

NOTES

1. THE JETTY CONTROL LINE SHOWN ON THIS DRAWING ESTABLISHES THE ALIGNMENT OF THE EXISTING JETTY AND IS BASED ON THE CONTROL TABLE ON SHEET G-005. THE JETTY CONTROL LINE DOES NOT CORRESPOND TO THE JETTY REPAIR CENTERLINE AT ALL LOCATIONS.
2. HATCHING SHOWN IS INDICATIVE OF THE APPROXIMATE REPAIR LOCATION, AND DOES NOT INDICATE THE ACTUAL SIZE OR DIMENSIONS OF THE REPAIR AREA.
3. DIMENSIONS OF JETTY CREST WIDENING AND TRANSITION AREAS ARE APPROXIMATE.

G1 PLAN VIEW - NORTH JETTY STA 47+80 TO STA 55+75
SCALE: 1"=40'



A1 PROFILE VIEW - NORTH JETTY CENTERLINE STA 47+80 TO STA 55+75
SCALE: 1"=40' HORIZONTAL, 1"=5' VERTICAL

US Army Corps of Engineers

MARK	DESCRIPTION	DATE

DESIGNED BY: F. SUN
DRAWN BY: A. KIRSCH
CHECKED BY: A. FARHAN
SUBMITTED BY: S. HA
SIZE: ANSI D
ISSUE DATE: OCTOBER 2022
SOLICITATION NO.: W912P723-22-B-0001
CONTRACT NO.: W912P723C00XX
PROJECT NO.:

U.S. ARMY CORPS OF ENGINEERS
SAN FRANCISCO DISTRICT
450 GOLDEN GATE AVE, 4TH FLOOR
SAN FRANCISCO, CA 94102-3404

MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

NORTH JETTY PLAN AND PROFILE
STA 47+80 TO STA 55+75

SHEET ID
C-101

SOLICITATION

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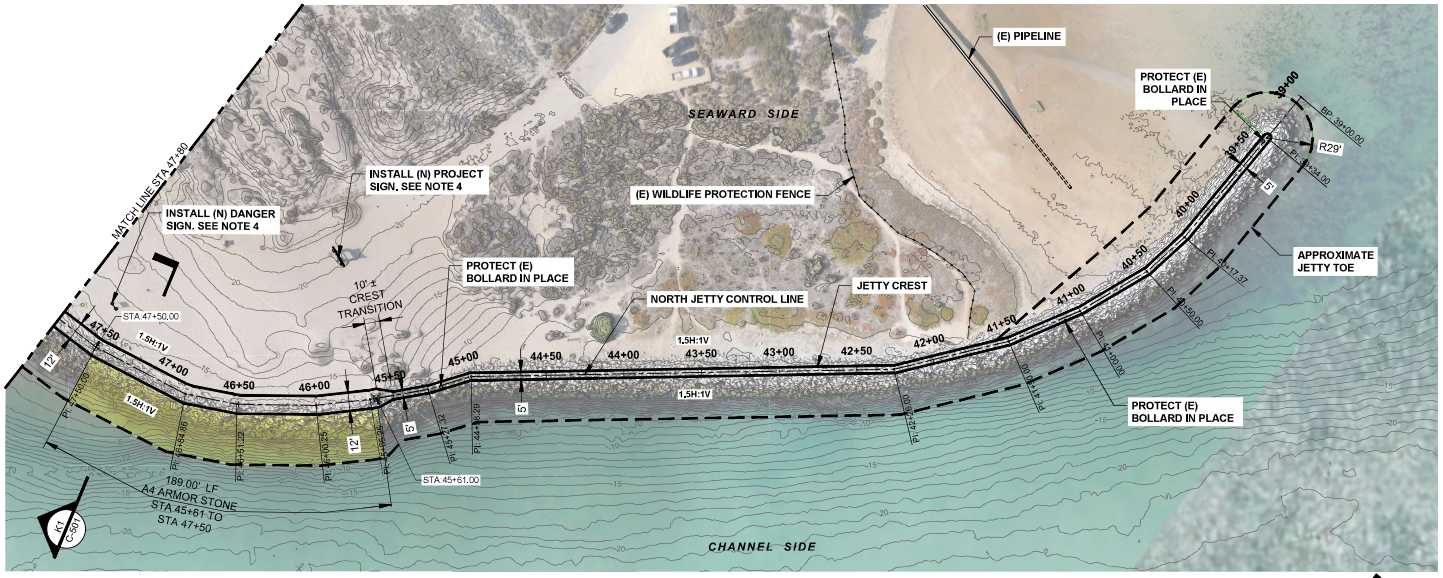


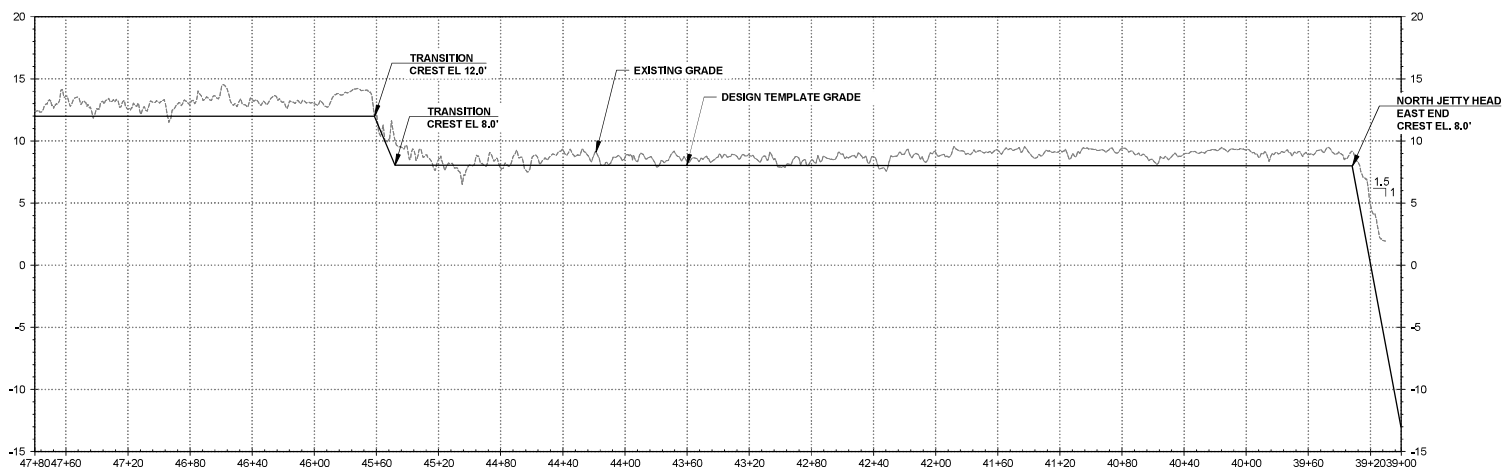
LEGEND

- REPAIR LOCATION - A4 ARMOR STONE
- (E) CONTOUR
- JETTY CREST
- JETTY TOE

NOTES

1. THE JETTY CONTROL LINE SHOWN ON THIS DRAWING ESTABLISHES THE ALIGNMENT OF THE EXISTING JETTY AND IS BASED ON THE CONTROL TABLE ON SHEET G-005. THE JETTY CONTROL LINE DOES NOT CORRESPOND TO THE JETTY REPAIR CENTERLINE AT ALL LOCATIONS.
2. HATCHING SHOWN IS INDICATIVE OF THE APPROXIMATE REPAIR LOCATION, AND DOES NOT INDICATE THE ACTUAL SIZE OR DIMENSIONS OF THE REPAIR AREA.
3. DIMENSIONS OF JETTY CREST WIDENING AND TRANSITION AREAS ARE APPROXIMATE.
4. FABRICATE AND INSTALL PROJECT AND DANGER SIGNS PER EP 310-1-6.

G1 PLAN VIEW - NORTH JETTY STA 39+00 TO STA 47+80
SCALE: 1"=40'



A1 PROFILE VIEW - NORTH JETTY CENTERLINE STA 39+00 TO STA 47+80
SCALE: 1"=40' HORIZONTAL, 1"=5' VERTICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: F. SUN
DRAWN BY: A. KIRSCH
CHECKED BY: A. FARHAN
SUBMITTED BY: S. HA
SIZE: ANSI D
ISSUE DATE: OCTOBER 2022
SOLICITATION NO: W912P723B0001
CONTRACT NO: W912P723C00XX
PROJECT NO:

U.S. ARMY CORPS OF ENGINEERS
SAN FRANCISCO DISTRICT
450 GOLDEN GATE AVE, 4TH FLOOR
SAN FRANCISCO, CA 94102-3404

MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

NORTH JETTY PLAN AND PROFILE
STA 39+00 TO STA 47+80

SHEET ID
C-102

SOLICITATION

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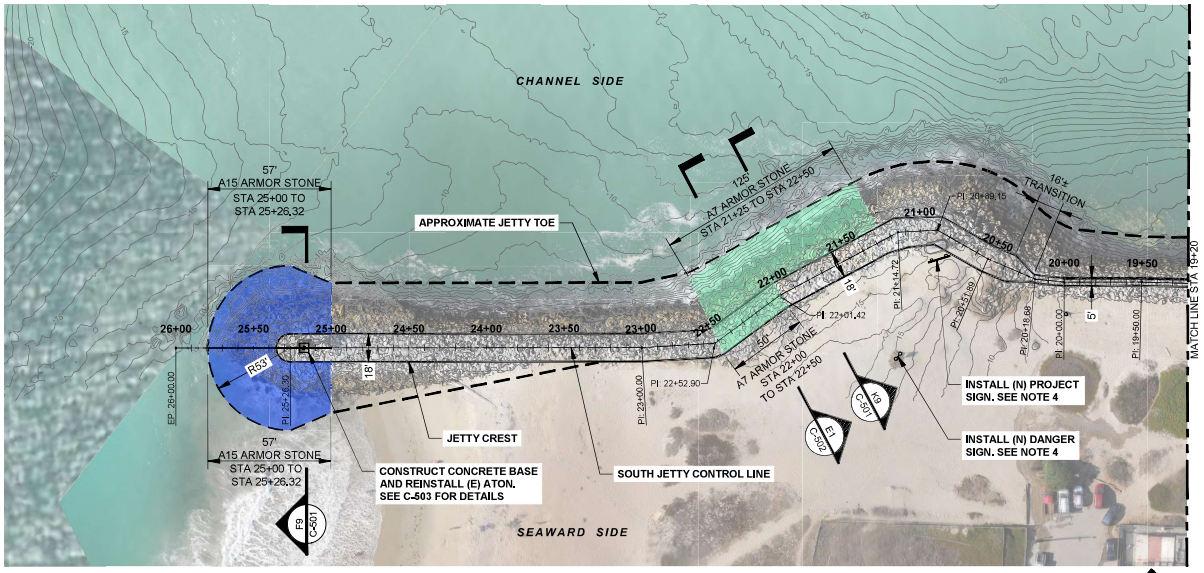
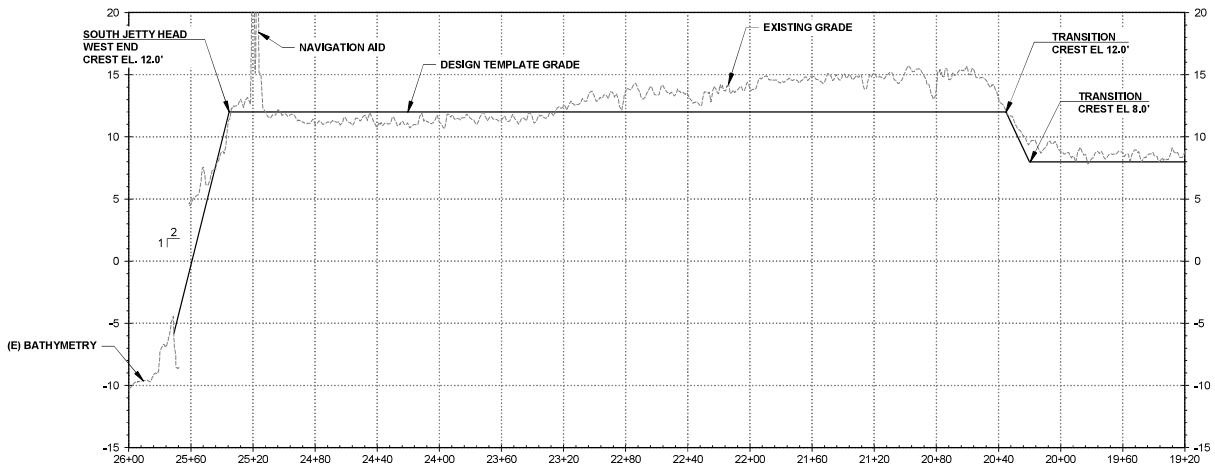


G1 PLAN VIEW - SOUTH JETTY STA 19+20 TO STA 26+00

SCALE: 1"=40'



A1 PROFILE VIEW - SOUTH JETTY CENTERLINE STA 19+20 TO STA 26+00

SCALE: 1"=40' HORIZONTAL, 1"=5' VERTICAL

LEGEND

- REPAIR LOCATION - A15 ARMOR STONE
- REPAIR LOCATION - A7 ARMOR STONE
- (E) CONTOUR
- JETTY CREST
- JETTY TOE

NOTES

1. THE JETTY CONTROL LINE SHOWN ON THIS DRAWING ESTABLISHES THE ALIGNMENT OF THE EXISTING JETTY AND IS BASED ON THE CONTROL TABLE ON SHEET G-005. THE JETTY CONTROL LINE DOES NOT CORRESPOND TO THE JETTY REPAIR CENTERLINE AT ALL LOCATIONS.
2. HATCHING SHOWN IS INDICATIVE OF THE APPROXIMATE REPAIR LOCATION, AND DOES NOT INDICATE THE ACTUAL SIZE OR DIMENSIONS OF THE REPAIR AREA.
3. DIMENSIONS OF JETTY CREST WIDENING AND TRANSITION AREAS ARE APPROXIMATE.
4. FABRICATE AND INSTALL SIGNS PER EP 310-1-6.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: F. SUN
DRAWN BY: A. KIRSCH
CHECKED BY: A. FARHAN
SUBMITTED BY: S. HA
SIZE: ANSI D
ISSUE DATE: OCTOBER 2022
SOLICITATION NO.: W912P723-22-B0001
CONTRACT NO.: W912P723C00XX
PROJECT NO.:

U.S. ARMY CORPS OF ENGINEERS
SAN FRANCISCO DISTRICT
450 GOLDEN GATE AVE, 4TH FLOOR
SAN FRANCISCO, CA 94102-3404

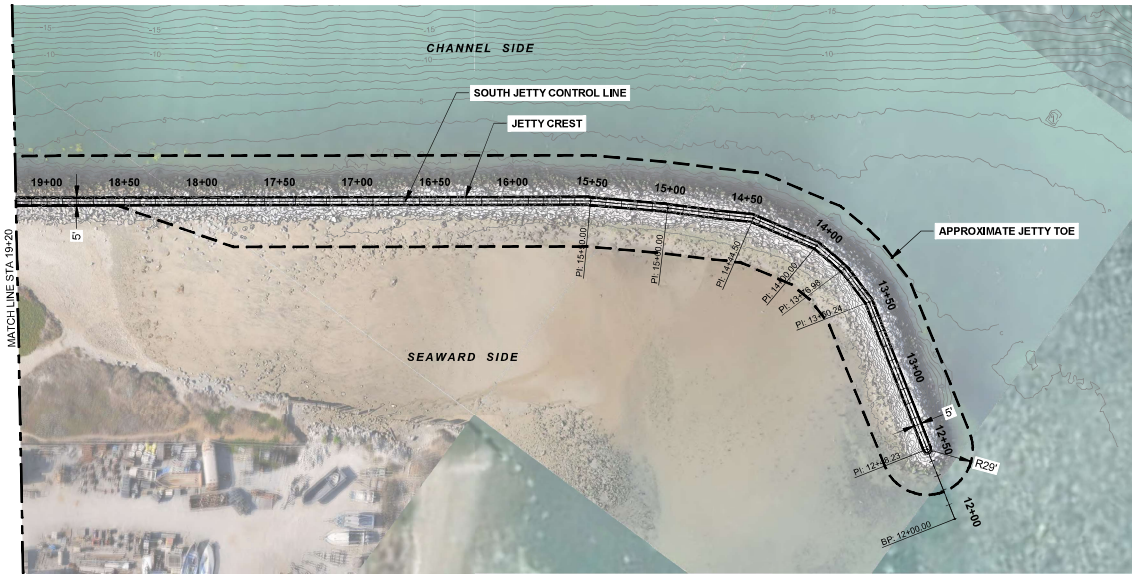
MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

SOUTH JETTY PLAN AND PROFILE
STA 19+20 TO STA 26+00

SHEET ID
C-103

SOLICITATION

C:\Users\L3ECEALK\AppData\Local\Temp\AcPublish_6404\ C103-C104.dwg 13 Oct 2022 - 1:47pm



LEGEND

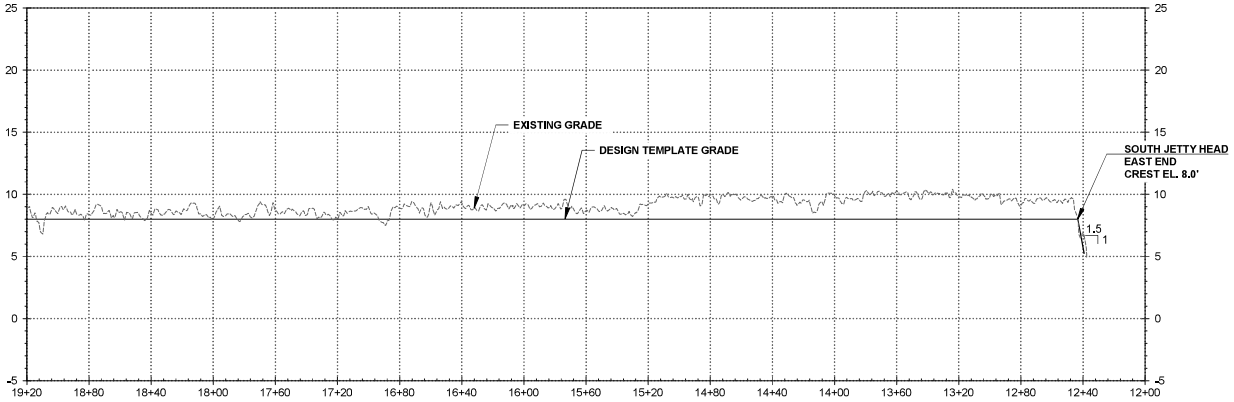
- (E) CONTOUR
- JETTY CREST
- JETTY TOE

NOTES

1. THE JETTY CONTROL LINE SHOWN ON THIS DRAWING ESTABLISHES THE ALIGNMENT OF THE EXISTING JETTY AND IS BASED ON THE CONTROL TABLE ON SHEET G-005. THE JETTY CONTROL LINE DOES NOT CORRESPOND TO THE JETTY REPAIR CENTERLINE AT ALL LOCATIONS.

G1 PLAN VIEW - SOUTH JETTY STA 12+00 TO STA 19+20

SCALE: 1"=40'



A1 PROFILE VIEW - SOUTH JETTY CENTERLINE STA 12+00 TO STA 19+20

SCALE: 1"=40' HORIZONTAL, 1"=5' VERTICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: F. SUN
DRAWN BY: A. KIRSCH
CHECKED BY: A. FARHAN
SUBMITTED BY: S. HA
SIZE: ANSI D
ISSUE DATE: OCTOBER 2022
SOLICITATION NO.: W912P723-22-B-0001
CONTRACT NO.: W912P723C00XX
PROJECT NO.:

U.S. ARMY CORPS OF ENGINEERS
SAN FRANCISCO DISTRICT
450 GOLDEN GATE AVE, 4TH FLOOR
SAN FRANCISCO, CA 94102-3404

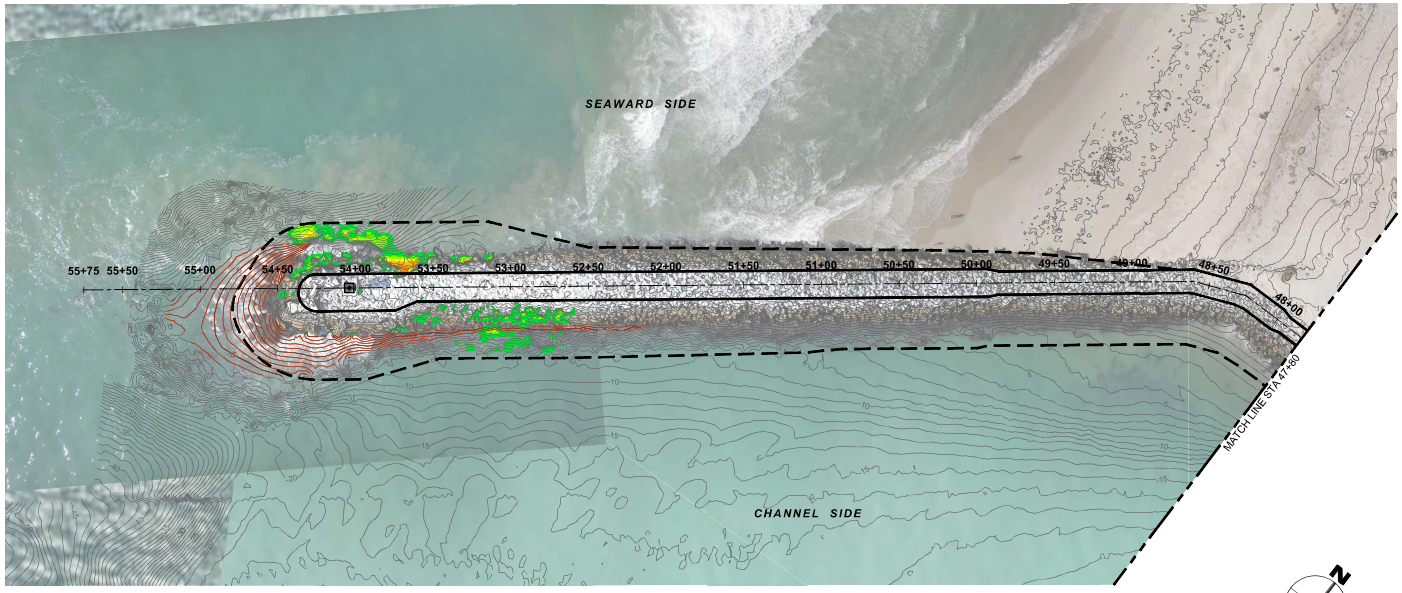
MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

SOUTH JETTY PLAN AND PROFILE
STA 12+00 TO STA 19+20

SHEET ID
C-104

SOLICITATION

C:\Users\L3ECEALK\AppData\Local\Temp\AcPublish_6404\ C103-C104.dwg 13 Oct 2022 - 1:50pm



DEPTH BELOW DESIGN TEMPLATE (FT)			
NO.	FROM	TO	COLOR
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2	3.0	4.0	
3	4.0	5.0	
4	5.0	6.0	
5	6.0	7.0	
6	7.0	8.0	
7	8.0	9.0	
8	9.0	10.0	

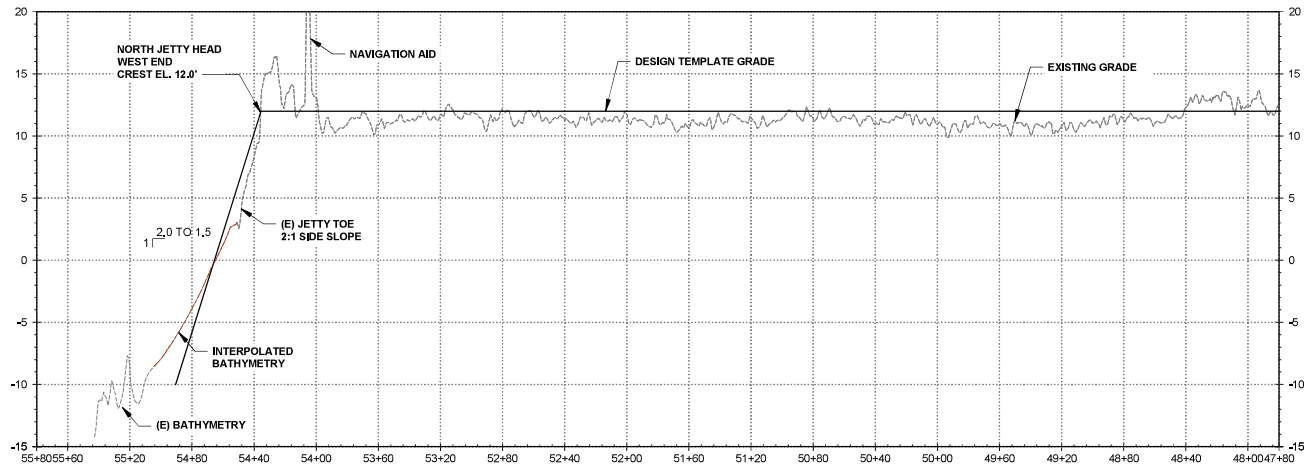
LEGEND

- (E) CONTOUR (INTERPOLATED)
- (E) CONTOUR
- JETTY CREST
- JETTY TOE

NOTES:

1. DUE TO INCOMPLETE SURVEY DATA AT THE NORTH JETTY HEAD AREA, NOT ALL CONTOURS AND RANGES ARE SHOWN.
2. INTERPOLATED CONTOUR DATA AND SLOPES MAY NOT REFLECT ACTUAL EXISTING CONDITIONS.

G1 PLAN VIEW - NORTH JETTY STA 47+80 TO STA 55+75
SCALE: 1"=40'



A1 PROFILE VIEW - NORTH JETTY CENTERLINE STA 47+80 TO STA 55+75
SCALE: 1"=40' HORIZONTAL, 1"=5' VERTICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: F. SUN
DRAWN BY: A. KIRSCH
CHECKED BY: A. FARHAN
SUBMITTED BY: S. HA
SIZE: ANSI D
ISSUE DATE: OCTOBER 2022
SOLICITATION NO.: W912P723-22-B-0001
CONTRACT NO.: W912P723C00XX
PROJECT NO.:

U.S. ARMY CORPS OF ENGINEERS
SAN FRANCISCO DISTRICT
450 GOLDEN GATE AVE, 4TH FLOOR
SAN FRANCISCO, CA 94102-3404

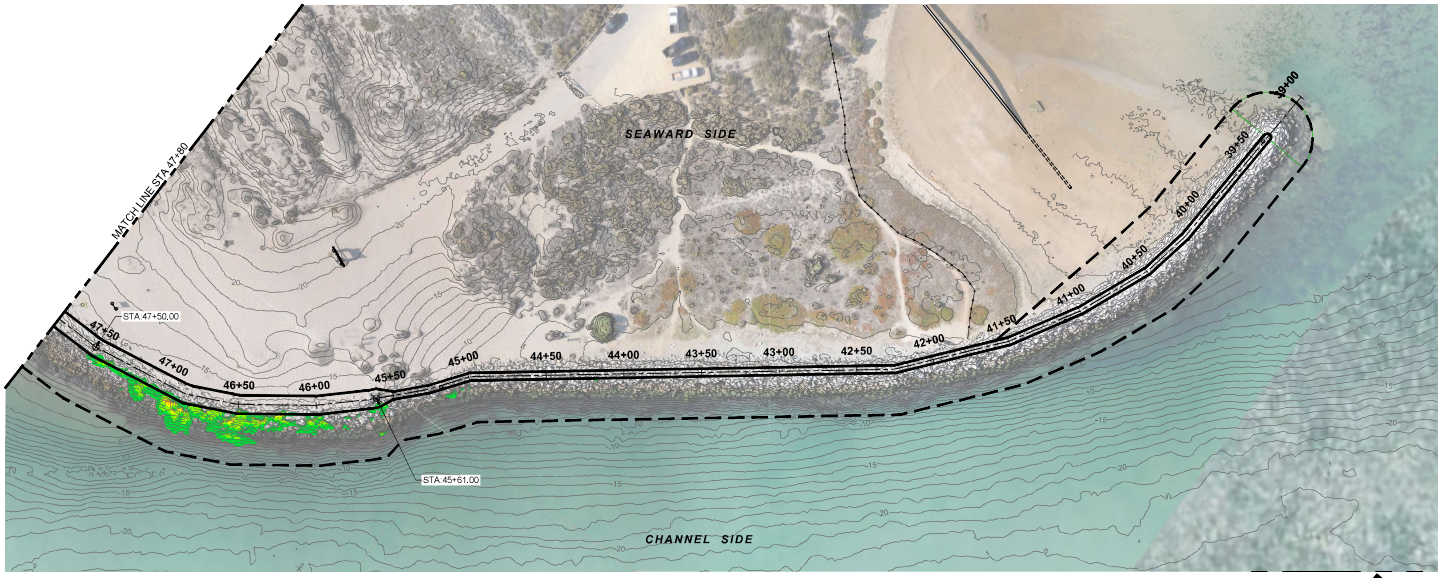
MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

NORTH JETTY ISOPACH PLAN AND PROFILE
STA 47+80 TO STA 55+75

SHEET ID
C-111

SOLICITATION

C:\Users\L3ECEALK\AppData\Local\Temp\AcPublish_6404\ C101-C102.dwg 13 Oct 2022 - 1:27pm



DEPTH BELOW DESIGN TEMPLATE (FT)			
NO.	FROM	TO	COLOR
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2	3.0	4.0	
3	4.0	5.0	
4	5.0	6.0	
5	6.0	7.0	
6	7.0	8.0	
7	8.0	9.0	
8	9.0	10.0	

LEGEND

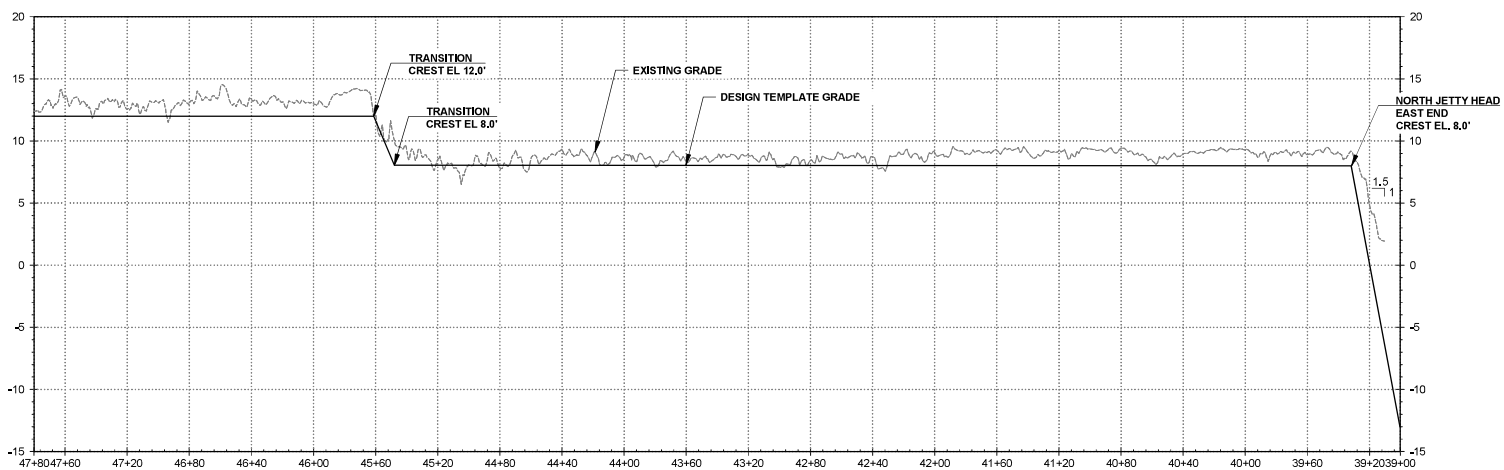
(E) CONTOUR

JETTY CREST

JETTY TOE

G1 PLAN VIEW - NORTH JETTY STA 39+00 TO STA 47+80

SCALE: 1"=40'



A1 PROFILE VIEW - NORTH JETTY CENTERLINE STA 39+00 TO STA 47+80

SCALE: 1"=40' HORIZONTAL, 1"=5' VERTICAL

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: F. SUN
DRAWN BY: A. KIRSCH
CHECKED BY: A. FARHAN
SUBMITTED BY: S. HA
SIZE: ANSI D

ISSUE DATE: OCTOBER 2022
SOLICITATION NO.: W912P723R0001
CONTRACT NO.: W912P723C00XX
PROJECT NO.:

U.S. ARMY CORPS OF ENGINEERS
SAN FRANCISCO DISTRICT
450 GOLDEN GATE AVE, 4TH FLOOR
SAN FRANCISCO, CA 94102-3404

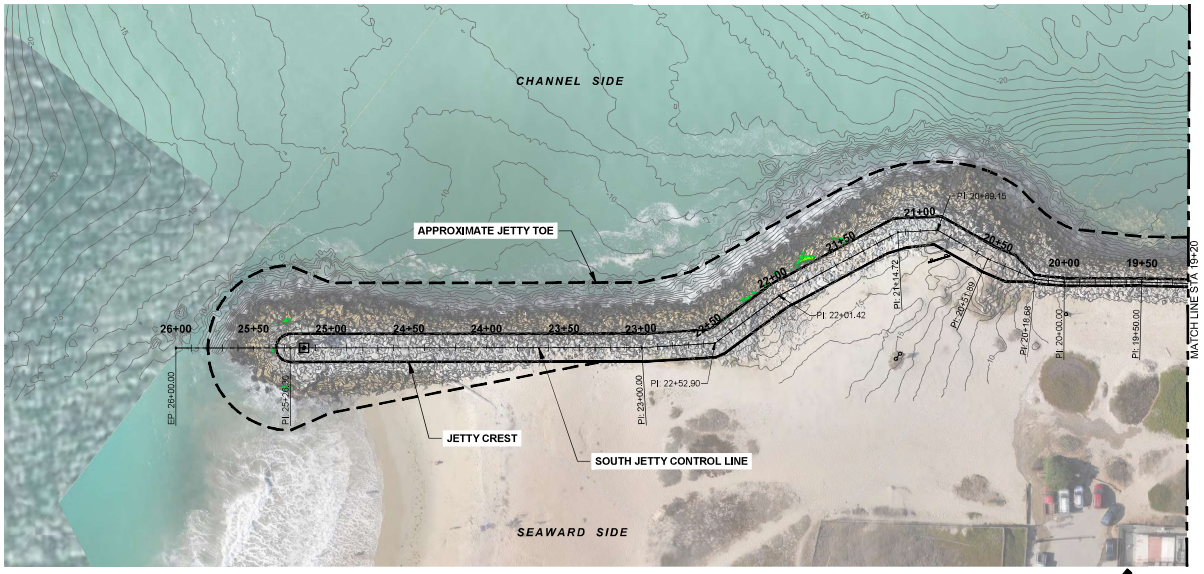
MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

NORTH JETTY ISOPACH PLAN AND PROFILE
STA 39+00 TO STA 47+80

SHEET ID
C-112

SOLICITATION

C:\Users\L3ECEALK\AppData\Local\Temp\AcPublish_6404\ C101-C102.dwg 13 Oct 2022 - 1:29pm



G1 PLAN VIEW - SOUTH JETTY STA 19+20 TO STA 26+00

SCALE: 1"=40'

DEPTH BELOW DESIGN TEMPLATE (FT)			
NO.	FROM	TO	COLOR
1	2.0	3.0	
2	3.0	4.0	
3	4.0	5.0	
4	5.0	6.0	
5	6.0	7.0	
6	7.0	8.0	
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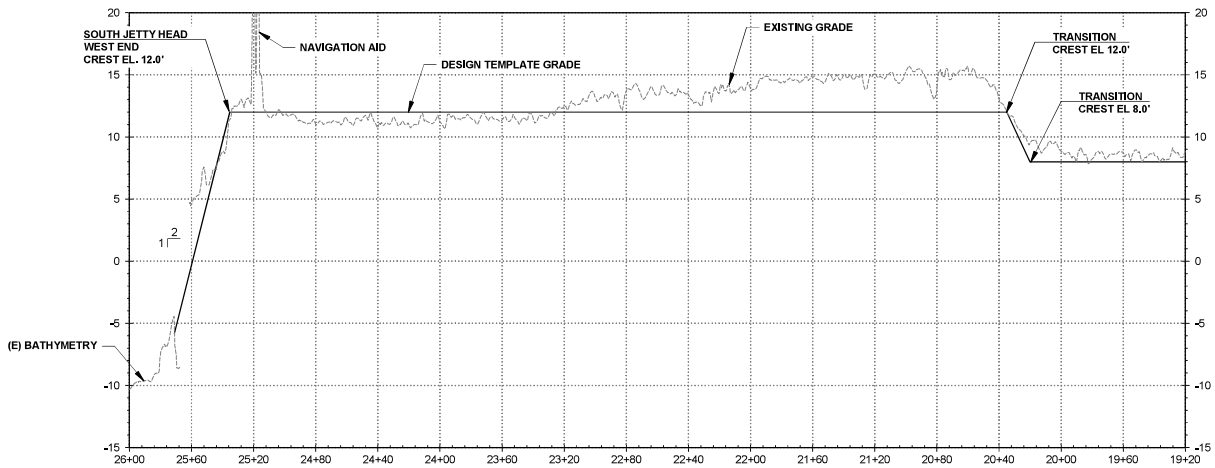
8	9.0	10.0	

LEGEND

- (E) CONTOUR
- JETTY CREST
- JETTY TOE



A1 PROFILE VIEW - SOUTH JETTY STA 19+20 TO STA 26+00

SCALE: 1"=40' HORIZONTAL, 1"=5' VERTICAL

US Army Corps of Engineers

MARK	DESCRIPTION	DATE

DESIGNED BY: F. SUN
DRAWN BY: A. MERSCH
CHECKED BY: A. FARHAN
SUBMITTED BY: S. HA
SIZE: ANSI D
ISSUE DATE: OCTOBER 2022
SOLICITATION NO.: W912P723-22-B-0001
CONTRACT NO.: W912P723C00XX
PROJECT NO.:

U.S. ARMY CORPS OF ENGINEERS
SAN FRANCISCO DISTRICT
450 GOLDEN GATE AVE, 4TH FLOOR
SAN FRANCISCO, CA 94102-3404

MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

SOUTH JETTY ISOPACH PLAN AND PROFILE
STA 19+20 TO STA 26+00

SHEET ID
C-113

SOLICITATION

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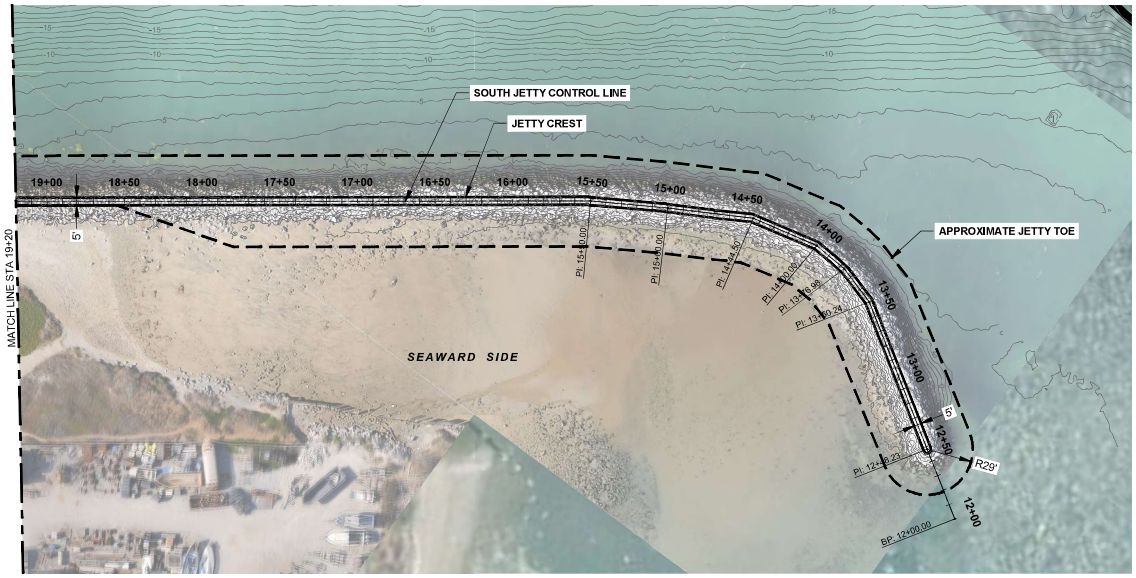

DEPTH BELOW DESIGN TEMPLATE (FT)			
NO.	FROM	TO	COLOR
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5	6.0	7.0	
6	7.0	8.0	
7	8.0	9.0	
8	9.0	10.0	

LEGEND

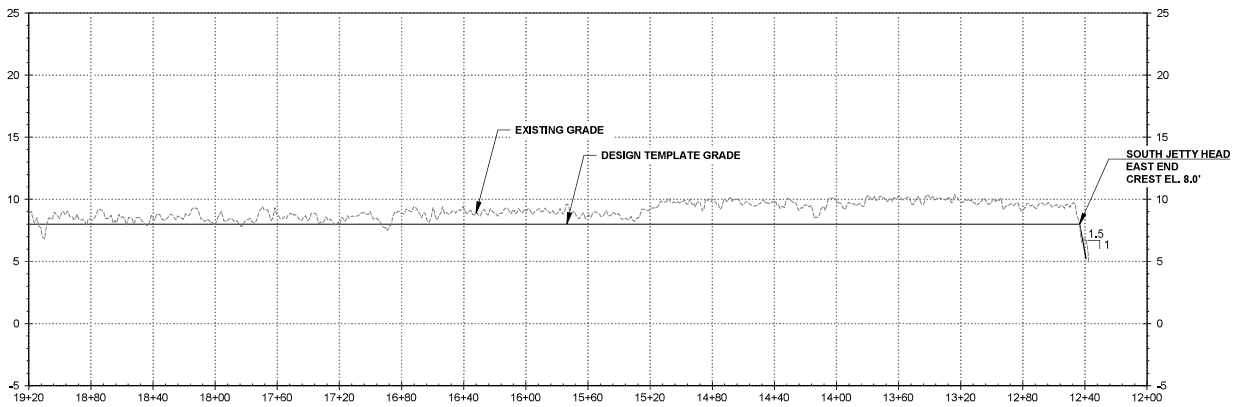
(E) CONTOUR

JETTY CREST

JETTY TOE

G1 PLAN VIEW - SOUTH JETTY STA 12+00 TO STA 19+20

SCALE: 1"=40'



A1 PROFILE VIEW - SOUTH JETTY STA 12+00 TO STA 19+20

SCALE: 1"=40' HORIZONTAL, 1"=5' VERTICAL

US Army Corps of Engineers

MARK	DESCRIPTION	DATE

DESIGNED BY: F. SUN
DRAWN BY: A. KIRSCH
CHECKED BY: A. FARHAN
SUBMITTED BY: S. HA
SIZE: ANSI D
ISSUE DATE: OCTOBER 2022
SOLICITATION NO.: W912P723-22-B0001
CONTRACT NO.: W912P723C00XX
PROJECT NO.:

U.S. ARMY CORPS OF ENGINEERS
SAN FRANCISCO DISTRICT
450 GOLDEN GATE AVE, 4TH FLOOR
SAN FRANCISCO, CA 94102-3404

MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

SOUTH JETTY ISOPACH PLAN AND PROFILE
STA 12+00 TO STA 19+20

SHEET ID
C-114

SOLICITATION

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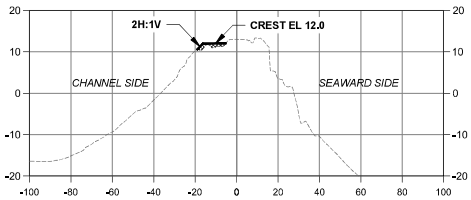
LEGEND

- JETTY PRISM NEAT LINE
- EXISTING GRADE
- JETTY REPAIR AREA



CROSS SECTION STA 54+00

HORIZONTAL GRAPHIC SCALE 0 30 60 FEET
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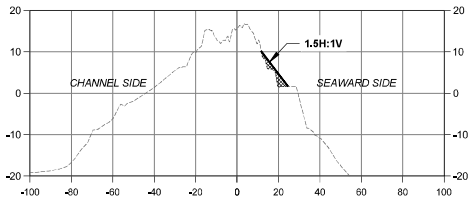

CROSS SECTION STA 54+24.65

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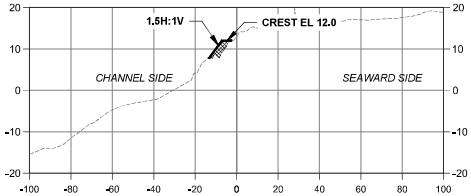

CROSS SECTION STA 47+50

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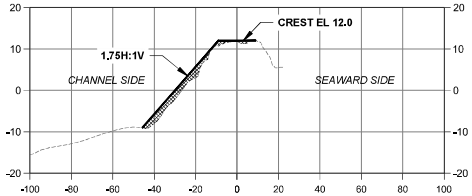

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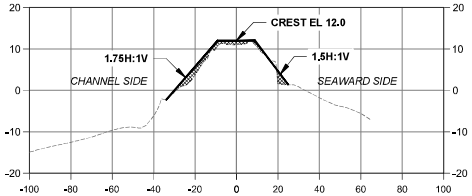

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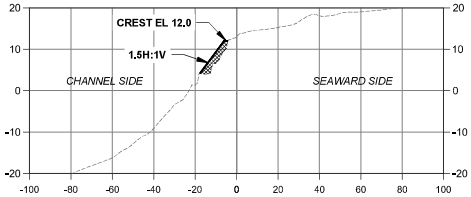

CROSS SECTION STA 46+00

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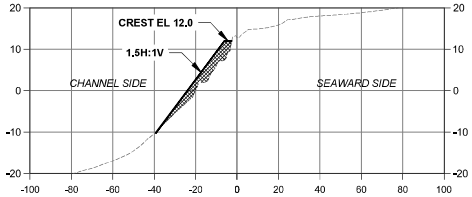

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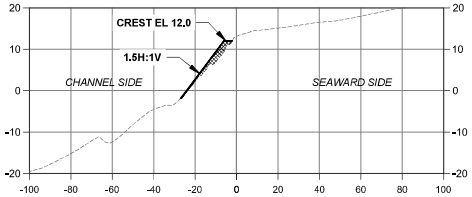


CROSS SECTION STA 47+00

HORIZONTAL GRAPHIC SCALE 0 30 60 FEET
VERTICAL GRAPHIC SCALE 0 15 30 FEET

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: F. SUN
DRAWN BY: A. KIRSCH
CHECKED BY: A. FARHAN
SUBMITTED BY: S. HA
SIZE: ANSI D

ISSUE DATE: OCTOBER 2022
SOLICITATION NO.: W912P722R0001
CONTRACT NO.: W912P723C00XX
PROJECT NO.:

U.S. ARMY CORPS OF ENGINEERS
SAN FRANCISCO DISTRICT
450 GOLDEN GATE AVE, 4TH FLOOR
SAN FRANCISCO, CA 94102-3404

MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

NORTH JETTY
CROSS SECTIONS

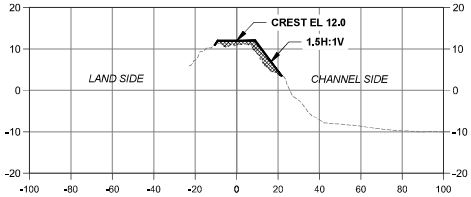
SHEET ID
C-301

SOLICITATION

C:\Users\L3ECEALK\AppData\Local\Temp\AcPublish_6404\ C301-C302.dwg 13 Oct 2022 - 2:00pm

LEGEND

- JETTY PRISM NEAT LINE
- EXISTING GRADE
- JETTY REPAIR AREA



CROSS SECTION STA 25+00

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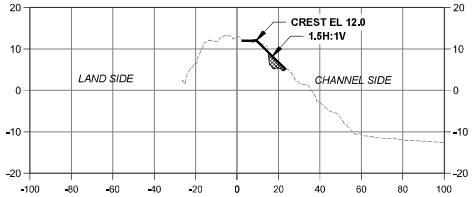

CROSS SECTION STA 25+26.30

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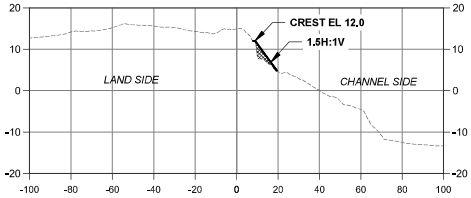
VERTICAL GRAPHIC SCALE 0 15 30 FEET



CROSS SECTION STA 21+50

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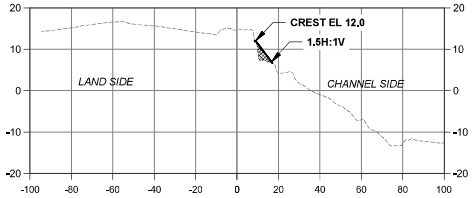
VERTICAL GRAPHIC SCALE 0 15 30 FEET



CROSS SECTION STA 22+00

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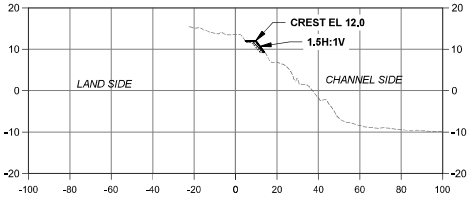


CROSS SECTION STA 22+50

HORIZONTAL GRAPHIC SCALE 0 30 60 FEET
VERTICAL GRAPHIC SCALE 0 15 30 FEET

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: F. SUN
DRAWN BY: A. KIRSCH
CHECKED BY: A. FARHAN
SUBMITTED BY: S. HA
SIZE: ANSI D
ISSUE DATE: OCTOBER 2022
SOLICITATION NO.: W912P723R0001
CONTRACT NO.: W912P723C00XX
PROJECT NO.:

U.S. ARMY CORPS OF ENGINEERS
SAN FRANCISCO DISTRICT
450 GOLDEN GATE AVE, 4TH FLOOR
SAN FRANCISCO, CA 94102-3404

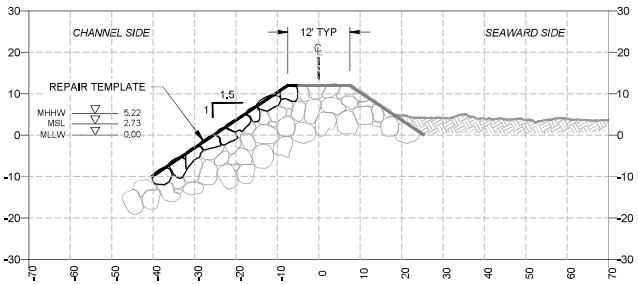
MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

SOUTH JETTY
CROSS SECTIONS

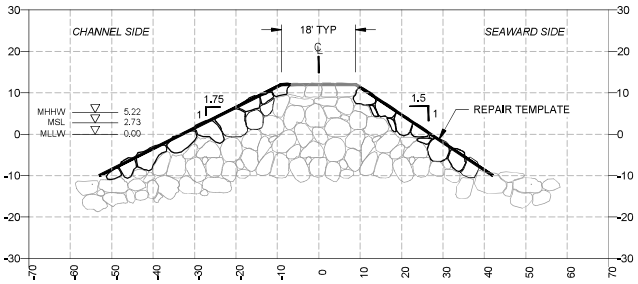
SHEET ID
C-302

SOLICITATION

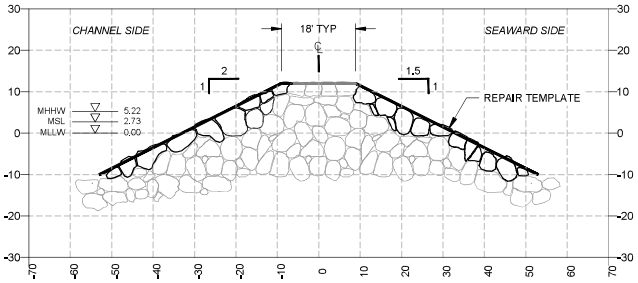
C:\Users\L3ECEALK\AppData\Local\Temp\AcPublish_6404\ C301-C302.dwg 13 Oct 2022 - 2:01pm



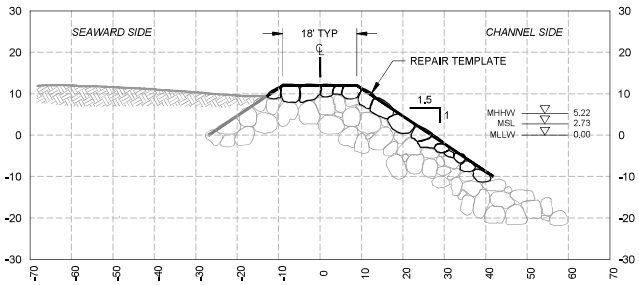
K1 NORTH JETTY TYPICAL CHANNEL SIDE SLOPE REPAIR
NOT TO SCALE



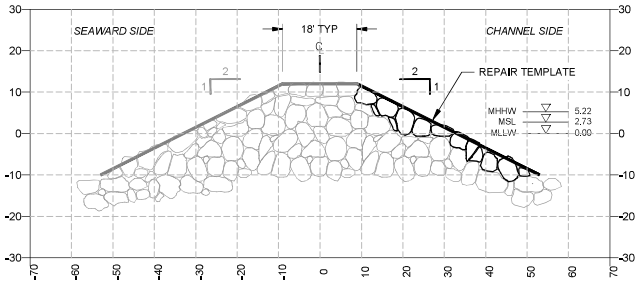
F1 NORTH JETTY TYPICAL CHANNEL AND SEAWARD SIDE SLOPE REPAIR
NOT TO SCALE



A1 NORTH JETTY TYPICAL FULL HEAD REPAIR
NOT TO SCALE



K9 SOUTH JETTY TYPICAL CREST AND CHANNEL SIDE SLOPE REPAIR
NOT TO SCALE



F9 SOUTH JETTY TYPICAL CHANNEL SIDE SLOPE REPAIR AT JETTY HEAD
NOT TO SCALE

NOTES:

1. THE CROSS-SECTIONS REPRESENT THE GENERAL CONDITIONS OF THE NORTH AND SOUTH JETTIES. THE EXISTING CONDITION MAY CONTAIN ALL, SOME, OR NONE OF THE ARMOR STONE WITH THE REPAIR SECTION. THE INTERIOR CONDITION OF THE JETTY IS NOT SHOWN AND MAY CONSIST OF SMALLER SIZED ARMOR STONE FROM PREVIOUS CONSTRUCTION.
2. EXISTING JETTY SLOPES SHOWN ARE IDEAL. ACTUAL CONDITIONS MAY VARY.
3. PLACE ALL STONES TO MEET THE LINES AND GRADES SHOWN ON THE CROSS-SECTIONS.
4. THE LIMITS OF THE REPAIRED SECTIONS MUST FOLLOW THE INDICATED NEAT LINES AND SLOPES. CONTRACTOR SHALL NOT REMOVE STONE ABOVE THE NEAT LINE TEMPLATE OR REDUCE CONSTRUCTION LIMITS.
5. SEAWARD ELEVATIONS OF THE BEACH ARE REPRESENTATIVE ONLY. FIELD VERIFY ALL ELEVATIONS.
6. THE DESIRED BELOW WATER INTERSECTION POINT BETWEEN THE EXISTING ARMOR STONES AND THE NEW ARMOR STONES ARE SHOWN.
7. ELEVATIONS VARY ALONG CREST OF JETTY. MATCH REPAIR SECTION FINAL CREST ELEVATION TO ADJACENT UNDAMAGED SECTIONS.
8. ARMOR STONES SHOWN ON THESE DETAILS ARE REPRESENTATIONAL ONLY AND DO NOT REFLECT ACTUAL SIZE OR SCALE.

LEGEND:

- EXISTING STONE
- NEW STONE OR EXISTING STONE RESETS
- JETTY REPAIR TEMPLATE (NEAT LINE)
- EXISTING JETTY NEAT LINE

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: F. SUN
DRAWN BY: A. KIRSCH
CHECKED BY: A. FARHAN
SUBMITTED BY: S. HA
SIZE: ANSI D
ISSUE DATE: OCTOBER 2022
SOLICITATION NO.: W912P723-22-B-0001
CONTRACT NO.: W912P723C00XX
PROJECT NO.:

U.S. ARMY CORPS OF ENGINEERS
SAN FRANCISCO DISTRICT
450 GOLDEN GATE AVE, 4TH FLOOR
SAN FRANCISCO, CA 94102-3404

MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

NORTH AND SOUTH JETTY
TYPICAL REPAIR SECTIONS

SHEET ID
C-501

SOLICITATION

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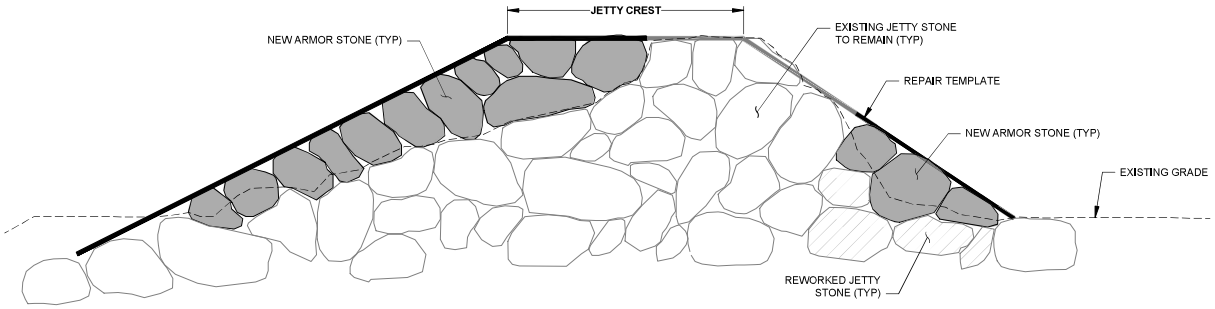
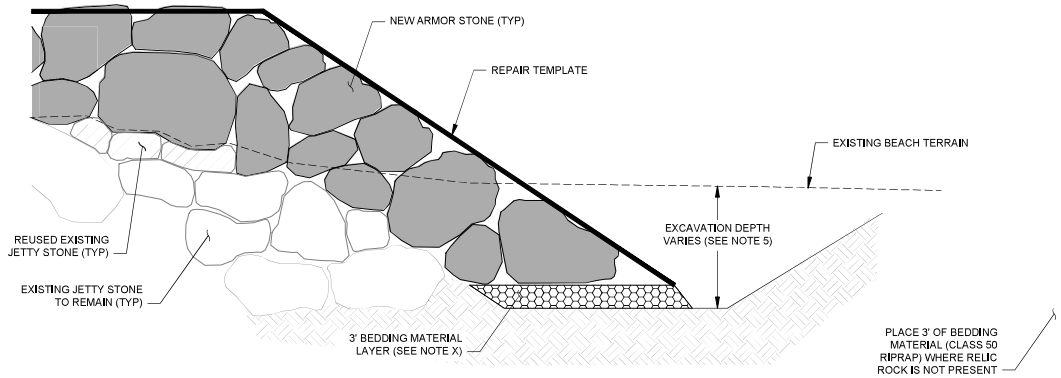
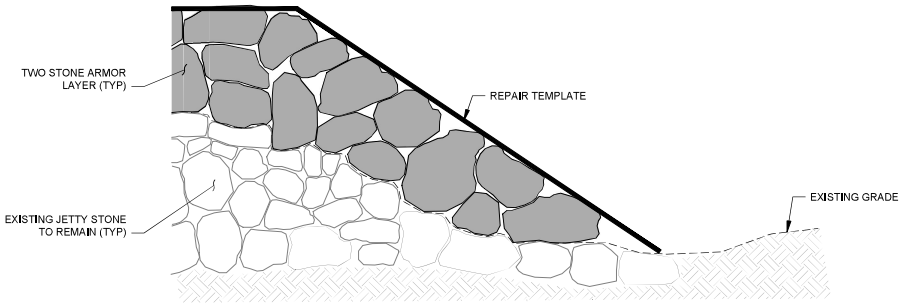


K1 TYPICAL JETTY REPAIR CROSS SECTION
NOT TO SCALE



E1 TYPICAL JETTY REPAIR TOE DETAIL
NOT TO SCALE



A1 TYPICAL JETTY ROOT REPAIR SECTION
NOT TO SCALE

NOTES

1. REWORK EXISTING STONE AS NECESSARY TO ACHIEVE A SMOOTH INTERFACE WITHOUT DISCONTINUITIES BETWEEN NEW STONE AND EXISTING STONE.
2. RECONSTRUCTION WORK WILL BE REQUIRED AT AREAS OF THE JETTY CREST OR SIDE SLOPE WHICH HAS UNSTABLE CONDITIONS DUE TO STONE BRIDGING, EXCESSIVE VOIDS, OR DEFICIENT STONE TO STONE INTERLOCK BUT ARE CURRENTLY WITHIN THE REPAIR TEMPLATE TOLERANCE. MOVE AND REARRANGE EXISTING JETTY STONE AS NECESSARY TO ALLOW KEYING IN THE NEW STONE TO FORM A TIGHT-KNIT, SMOOTH TRANSITION FROM EXISTING STRUCTURE TO THE NEW WORK WITH NO PROTRUSIONS, NOTCHES, OR SHARP SLOPE CHANGES.
3. REWORK EXISTING JETTY STONE AS NECESSARY IN ORDER TO PLACE, INTERLOCK AND SEAT NEW JETTY STONE WITHIN THE REPAIR. REPAIR SLOPE MAY BE ADJUSTED LOCALLY TO ACHIEVE STABLE TIE-IN AT TOE OF REPAIR WITH EXISTING JETTY SURFACE.
4. FOR NORTH JETTY HEAD REPAIR, REWORK EXISTING STONE TO ACHIEVE STABLE AND WELL-INTERLOCKED PLACEMENT OF THE FULL NEW TOE BERM. PLACE AND SET STONE ALONG TRANSITION FROM THE HEAD TO THE TRUNK TO ACHIEVE GOOD STONE-TO-STONE INTERLOCK.
5. FOR LANDWARD SIDE REPAIRS, EXCAVATE THE EXISTING BEACH TERRAIN TO ALLOW FOR TIE-IN OF REPAIRS SECTIONS TO EXISTING LANDWARD SIDE SLOPE. EXCAVATE, STOCKPILE AND REPLACE TO EXISTING GRADE. EXCAVATION SHALL NOT EXCEED BELOW 3 FEET MLLW.
6. SEE SHEET C-501 FOR JETTY DIMENSIONS AND SIDE SLOPES.

LEGEND

ARMOR LAYER

EXISTING GRADE

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: F. SUN
DRAWN BY: A. KIRSCH
CHECKED BY: A. FARHAN
SUBMITTED BY: S. HA
SIZE: ANSI D
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SOLICITATION NO.: W912P723-22-B-0001
CONTRACT NO.: W912P723C00XX
PROJECT NO.:

U.S. ARMY CORPS OF ENGINEERS
SAN FRANCISCO DISTRICT
450 GOLDEN GATE AVE, 4TH FLOOR
SAN FRANCISCO, CA 94102-3404

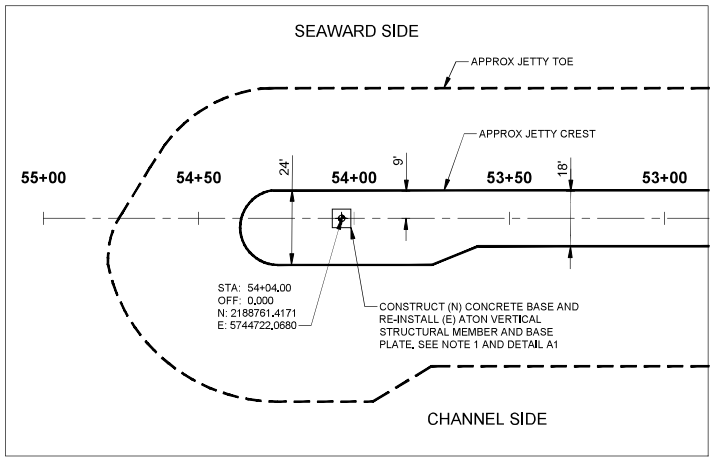
MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

TYPICAL JETTY REPAIR AND STONE PLACEMENT DETAILS

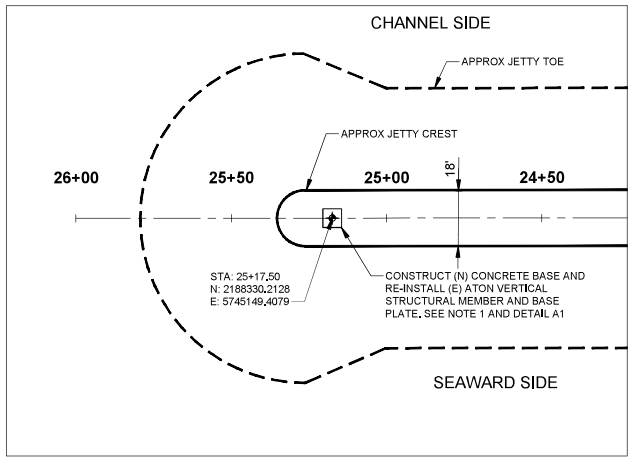
SHEET ID
C-502

SOLICITATION

C:\Users\L3ECEALK\AppData\Local\Temp\AcPublish_6404\ USACE_MossLandingJettyRepair_Typicals.dwg 13 Oct 2022 - 2:11pm



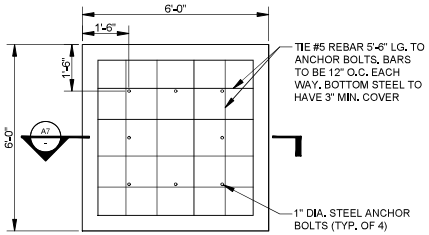
H1 PLAN VIEW - NORTH JETTY ATON
SCALE: 1"=20'



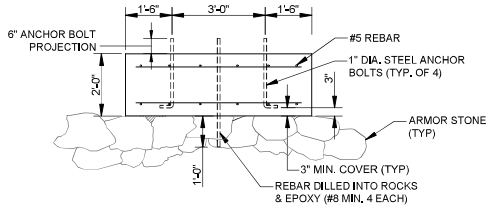
H10 PLAN VIEW - SOUTH JETTY ATON
SCALE: 1"=20'

SHEET NOTES:

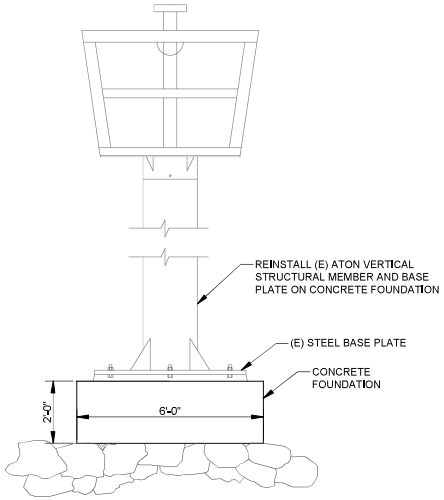
1. COORDINATE WITH USGS PRIOR TO RE-INSTALLATION OF ATON TO VERIFY PLACEMENT LOCATION.
2. REMOVE AND STORE (E) ATON VERTICAL STRUCTURE MEMBER AND BASE PLATE DURING JETTY CONSTRUCTION.
3. RE-INSTALL (E) ATON VERTICAL STRUCTURE MEMBER AND BASE PLATE ON CONCRETE BASE.



A1 PLAN DETAIL: EXPOSED JETTY STRUCTURE CONCRETE FOUNDATION
SCALE: 1/2"=1'-0"



A7 SECTION: EXPOSED JETTY STRUCTURE CONCRETE FOUNDATION
SCALE: 1/2"=1'-0"



A14 ELEVATION: EXPOSED JETTY STRUCTURE CONCRETE FOUNDATION
SCALE: 1/2"=1'-0"

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: F. SUN
DRAWN BY: A. KIRSCH
CHECKED BY: A. FARHAN
SUBMITTED BY: S. HA
SIZE: ANSI D
ISSUE DATE: OCTOBER 2022
SOLICITATION NO.: W912P72B0001
CONTRACT NO.: W912P723C00XX
PROJECT NO.:

U.S. ARMY CORPS OF ENGINEERS
SAN FRANCISCO DISTRICT
450 GOLDEN GATE AVE, 4TH FLOOR
SAN FRANCISCO, CA 94102-3404

MONTEREY COUNTY, CALIFORNIA
MOSS LANDING JETTY REPAIR PROJECT

NAVIGATION AID DETAILS

SHEET ID
C-503

SOLICITATION

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