



OC PUBLIC WORKS DEPARTMENT

KEVIN ONUMA, INTERIM DIRECTOR OF PUBLIC WORKS

CAPISTRANO BEACH/ DOHENY STATE BEACH

SHORELINE PROJECT

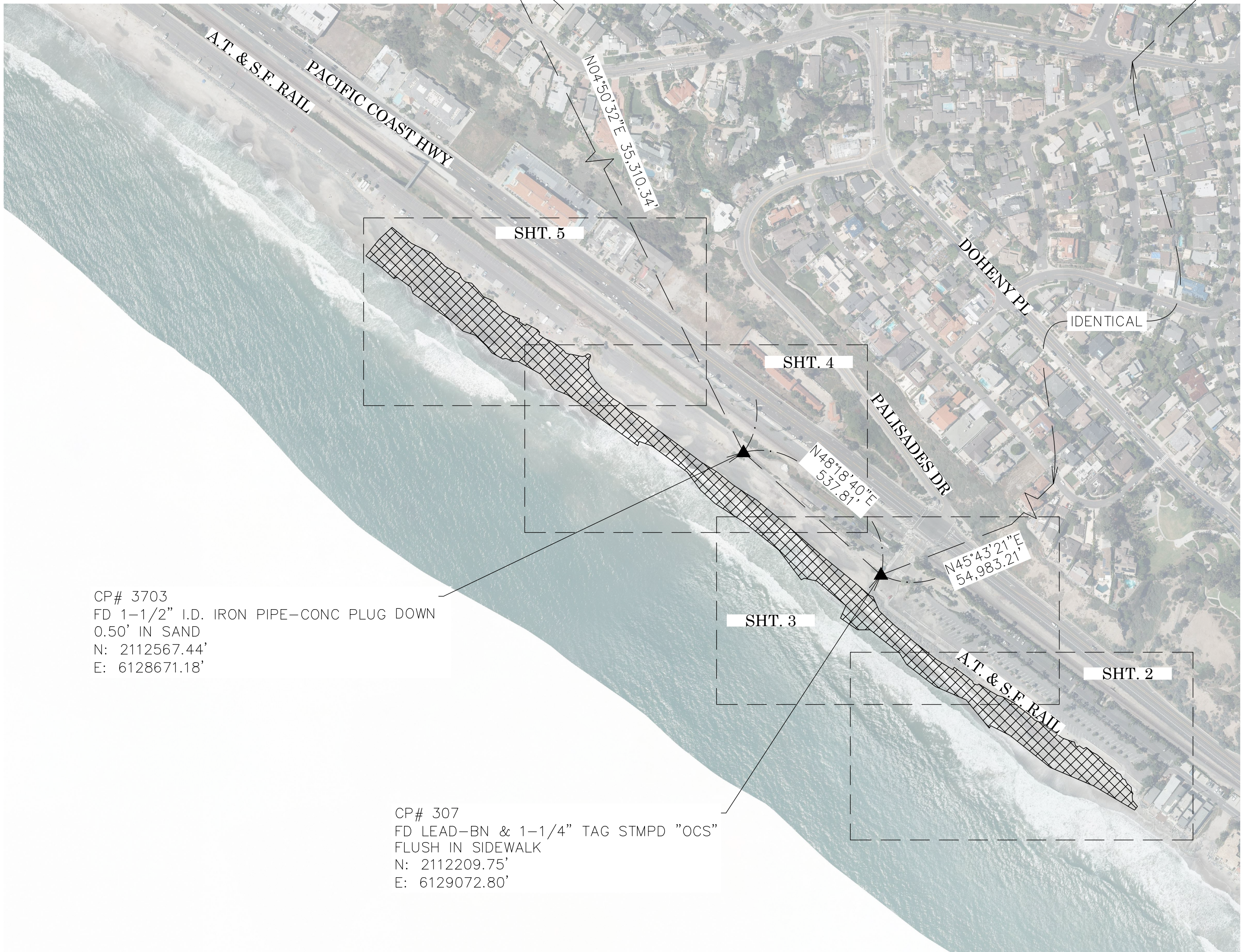


CGPS "P471"
N: 2150595.47'
E: 6168438.89'
THIS IS A CONTINUOUS GPS STATION
(CGPS) AND IS PART OF THE CALIFORNIA
SPATIAL REFERENCE NETWORK (CSRN).

LOCATION MAP



CGPS "SBCC"
N: 2147751.75'
E: 6131651.74'
THIS IS A CONTINUOUS GPS STATION
(CGPS) AND IS PART OF THE CALIFORNIA
SPATIAL REFERENCE NETWORK (CSRN).



BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2017.50) EPOCH ADJUSTMENT, AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS GLOBAL POSITIONING STATIONS CGPS STATIONS (SBCC) AND (P471) BEING NORTH 85°34'47" EAST AS DERIVED FROM THE COORDINATES PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC) ALONG WITH DATA SHEETS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.

HORIZONTAL DATUM

COORDINATES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2017.50) EPOCH ADJUSTMENT.

ALL DISTANCES SHOWN ARE GRID, UNLESS OTHERWISE NOTED. TO OBTAIN GROUND DISTANCES MULTIPLY GRID BY A COMBINED FACTOR OF 1.00003920.

THIS COMBINATION FACTOR WAS HELD AT: CP# 307
N: 2112209.75' E: 6129072.80' EL: 15.74'

ALL DISTANCES ARE BASED ON THE U.S. SURVEY FOOT.

VERTICAL DATUM

MEAN LOWER-LOW WATER (MLLW)

ELEVATIONS SHOWN ARE DERIVED BY A CONVERSION FROM NGVD29 TO MLLW. THAT CONVERSION BEING 2.52' FROM BM 3B-50-68 TO TIDAL STATION 9410580.

THE COUNTY WIDE VERTICAL DIFFERENCE AVERAGE OF 2.34' BETWEEN NGVD29 AND NAVD88 ALONG WITH THE NAVD88 ADJUSTMENT OF 0.18' FROM TIDAL STATION 9410580, EPOCH 1983-2001 WAS USED TO DETERMINE THE CONVERSION.

O.C.S. BM. 3B-50-68 ELEV. = 14.707' NGVD29 YEAR LEVELED: 1989

ADJUSTMENT= 14.707'+2.52'=17.227' MLLW

DESCRIPTION: FOUND 3-3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "3B-50-68", SET IN THE SOUTHERLY END OF A CONCRETE HEADWALL FOR A 24" CULVERT. MONUMENT IS LOCATED ALONG THE SOUTHWESTERLY SIDE OF PACIFIC COAST HIGHWAY, 0.55 MILES SOUTHWESTERLY OF THE CENTERLINE OF DEL OBISPO, 0.05 MILES NORTHERLY ALONG PCH FROM A PEDESTRIAN BRIDGE AND 40.4' WESTERLY OF THE CENTERLINE OF PCH. MONUMENT IS SET LEVEL WITH THE TOP OF THE WALL.

NOTES

THE SURVEY INFORMATION SHOWN HEREON IS TO BE USED FOR TOPOGRAPHIC RELATIONSHIPS ONLY AND IS NOT INTENDED FOR LAND ACQUISITION OR BOUNDARY PURPOSES. BOUNDARY, RIGHT OF WAY, AND EASEMENT LINEWORK SHOWN HEREIN IS PRELIMINARY AND DERIVED FROM GEOGRAPHICAL INFORMATION SYSTEM (GIS).

SHEET INDEX

SHEET	NO.	DESCRIPTION
SHEET	1	TITLE SHEET
SHEETS	2-5	TOPOGRAPHIC MAP

PURPOSE OF SURVEY

THE PURPOSE OF THE SURVEY IS TO ESTABLISH THE MEAN HIGH TIDE LINE (MHTL,MHW) AND PROVIDE TOPOGRAPHY FOR THIS PORTION OF THE CAPISTRANO/ DOHENY SHORELINE PROJECT.

SENIOR LAND SURVEYOR'S CERTIFICATE:

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYORS' ACT; THIS 2 DAY OF OCTOBER, 2024.

MICHAEL KUBISTY, PLS. SENIOR LAND SURVEYOR



SENIOR LAND SURVEYOR'S CERTIFICATE:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYORS' ACT; THIS 2 DAY OF OCTOBER, 2024.

ELLIOTT MEDINA, PLS. SENIOR LAND SURVEYOR



U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

TOPOGRAPHIC MAPPING PROJECT

		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		DOHENY SHORELINE PROJECT MEAN HIGH TIDE DETERMINATION	
		TITLE SHEET	
		PROJECT LIMITS: FROM THE S.E. CORNER OF PARCEL 101 PER BK 4063/88 O.R. TO 2767' NWLY ALONG SHORELINE OF CAPISTRANO/ DOHENY BEACH	
		DATE OF SURVEY: 09/19/2024	BY: E. OSTROWSKI & CREW
		MAPPING	BY: P. MAGUIRE, PLS
		OFFICE CHECK	BY: E. MEDINA, PLS
		FIELD CHECK	BY: E. OSTROWSKI & CREW
		SCALE: N.T.S.	W.O. #EC41918E
		FILE: #2425PW-ENG0003	FILE: CAPISTRANO_TOPO_2024.DWG
MARK	DATE	ITEM	
REVISIONS			
			SHEET NO. 1 of 5



LEGEND

SYMBOL

 Control Point

ABBREVIATION

APN Area Parcel Number

CP Control Point

EL Elevation

M.H.T.L Mean High Tide L

O.R. Official Records

SS Stainless Steel

GIS Geographic Information System

LINE PATTERN KEY

GIS Parcel Lines

AREA PATTERN KEY

 Sand

Rip Rap

 Sand Cubes

SCALE: 1" = 30'

CONTOUR INTERVAL: 1'

U.S. *Survey*
Foot

OC Public Works
OC Survey/Field Services
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DATE OF SURVEY: 09/19/2024				BY: E. OSTROWSKI & CREW		SHEET NO. 2 of 5
MAPPING				BY: P. MAGUIRE, PLS		
OFFICE CHECK				BY: E. MEDINA, PLS		
FIELD CHECK				BY: E. OSTROWSKI & CREW		
MARK		DATE		ITEM		
REVISIONS						
SCALE: 1" = 30'				W.O. #EC41918E		FILE # 2425PW-ENG0003
FILE: CAPISTRANO_TOPO_2024.DWG						

SEE SHEET 4

SD EASEMENT
200401134588 O.R.

COUNTY OF ORANGE
PARCEL NO. (101.1)
BK. 13004/253 O.R.
APN 123-060-14

BLOCK A, TRACT NO.
797, MM 24/10-15

COUNTY OF ORANGE
PARCEL NO. (101.1)
BK. 13004/253 O.R.
APN 123-060-10

COUNTY OF ORANGE
PARCEL 102.1
1983000351274 O.R.

COUNTY OF ORANGE
PARCEL 102.2
13744/1298 O.R.

CP# 307
SET LEAD AND BRASS PIN
AND 1-1/4 INCH BRASS WASHER
STAMPED "OCS CP" FLUSH IN CONCRETE
N: 2112209.75'
E: 6129072.80'
FL: 15.74'

BLOCK A, TRACT NO.
797, MM 24/10-15

COUNTY OF ORANGE
PARCEL NO. (101)
BK. 13004/253 O.R.
APN 123-060-09

CP# 312
LEAD AND BRASS PIN
AND 1-1/4 INCH BRASS WASHER
STAMPED "OCS CP" FLUSH IN CONCRETE
N: 2111874.37'
E: 6129489.20'
EL: 15.81'

SEE SHEET 2

LEGEND

SYMBOL

 Control Point

ABBREVIATION

APN	Area Parcel Number
CP	Control Point
EL	Elevation
M.H.T.L	Mean High Tide Line
O.R.	Official Records
SS	Stainless Steel
GIS	Geographic Information System

LINE PATTERN KEY

GIS Parcel Lines

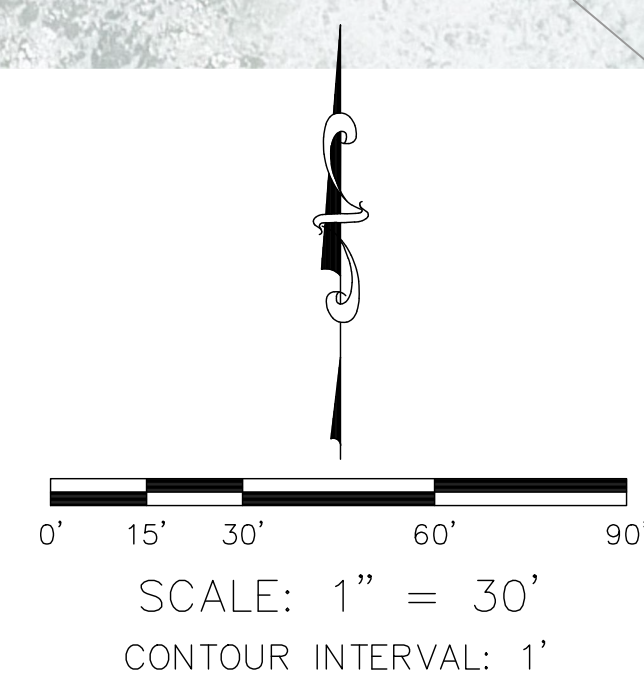
AREA PATTERN KEY



Sand



Rip Rap

 Sand CubesU.S. *Survey*
Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

MARK DATE ITEM REVISIONS	COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			3 of 5
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△ Control Point

ABBREVIATION

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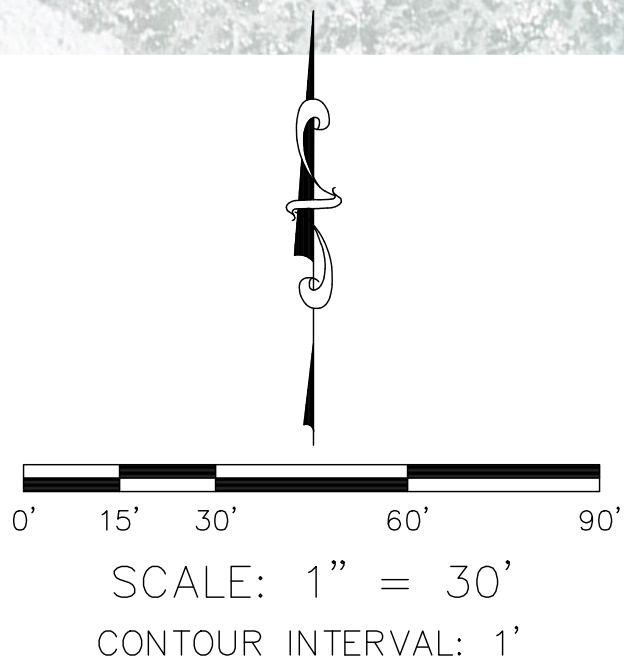
GIS Parcel Lines

AREA PATTERN KEY

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Rip Rap

Sand Cubes



U.S. Survey

Foot

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			OFFICE CHECK	BY: E. MEDINA, PLS	
			FIELD CHECK	BY: E. OSTROWSKI & CREW	
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			FILE: CAPISTRANO_TOPO_2024.DWG	FILE #2425PW-ENG0003	
MARK	DATE	ITEM	REVISIONS		



LEGEND

SYMBOL

△ Control Point

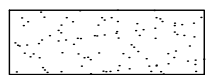
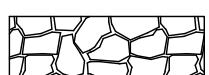
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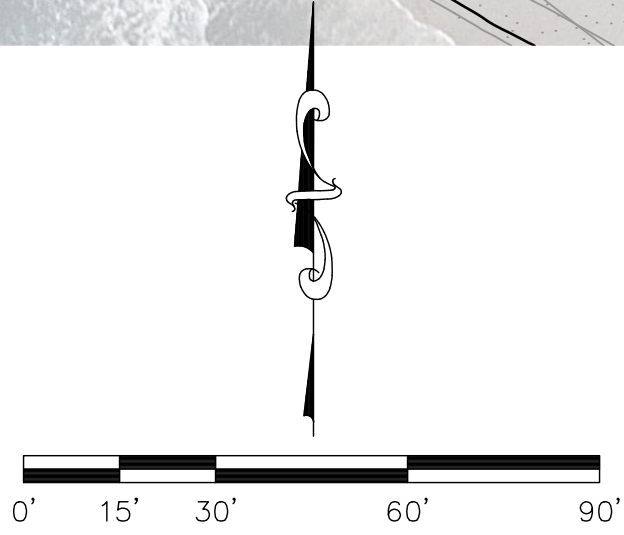
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