

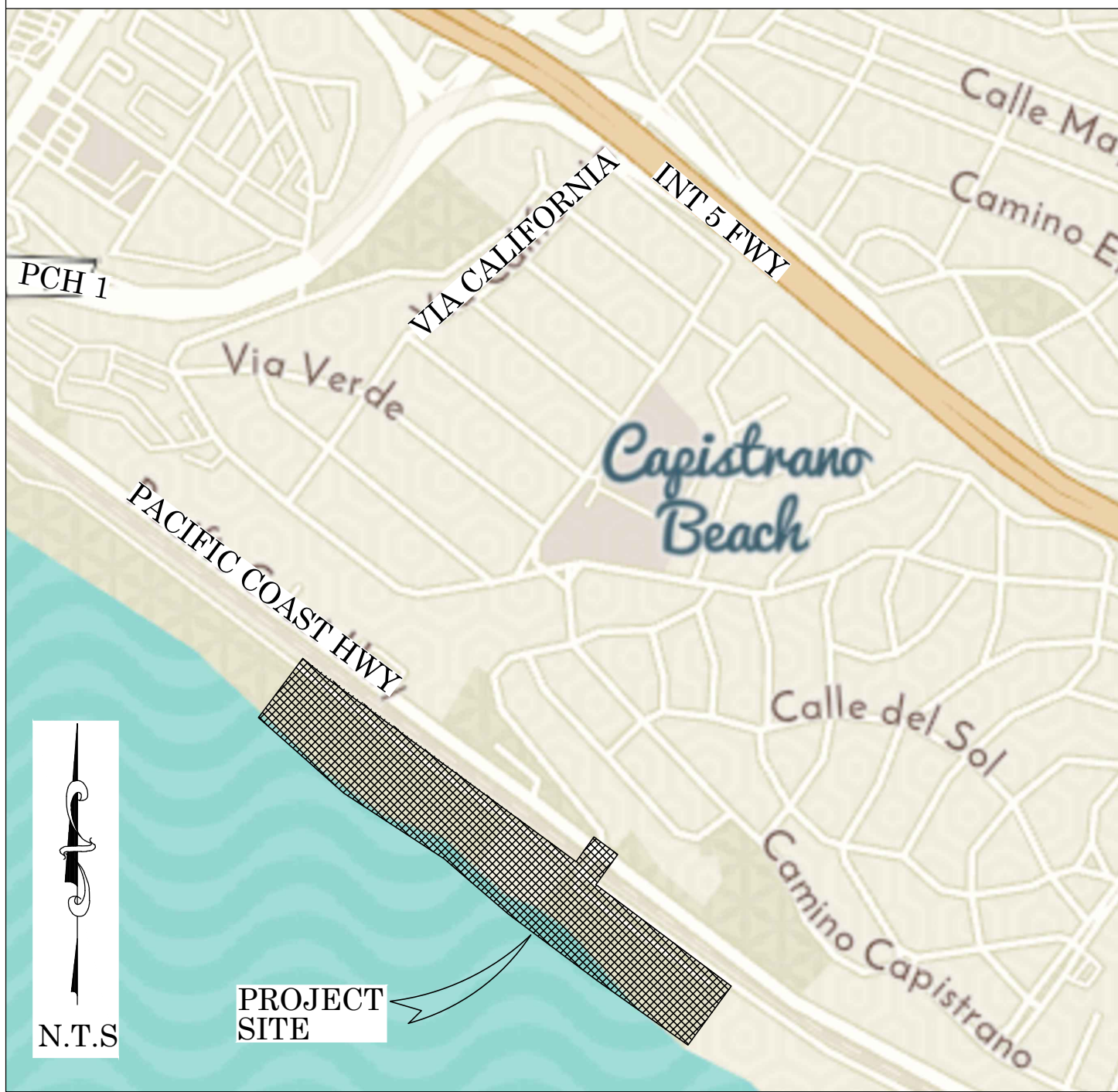


OC PUBLIC WORKS DEPARTMENT
KEVIN ONUMA, DIRECTOR OF PUBLIC WORKS
CAPISTRANO BEACH



NATURE BASED SHORELINE PROJECT

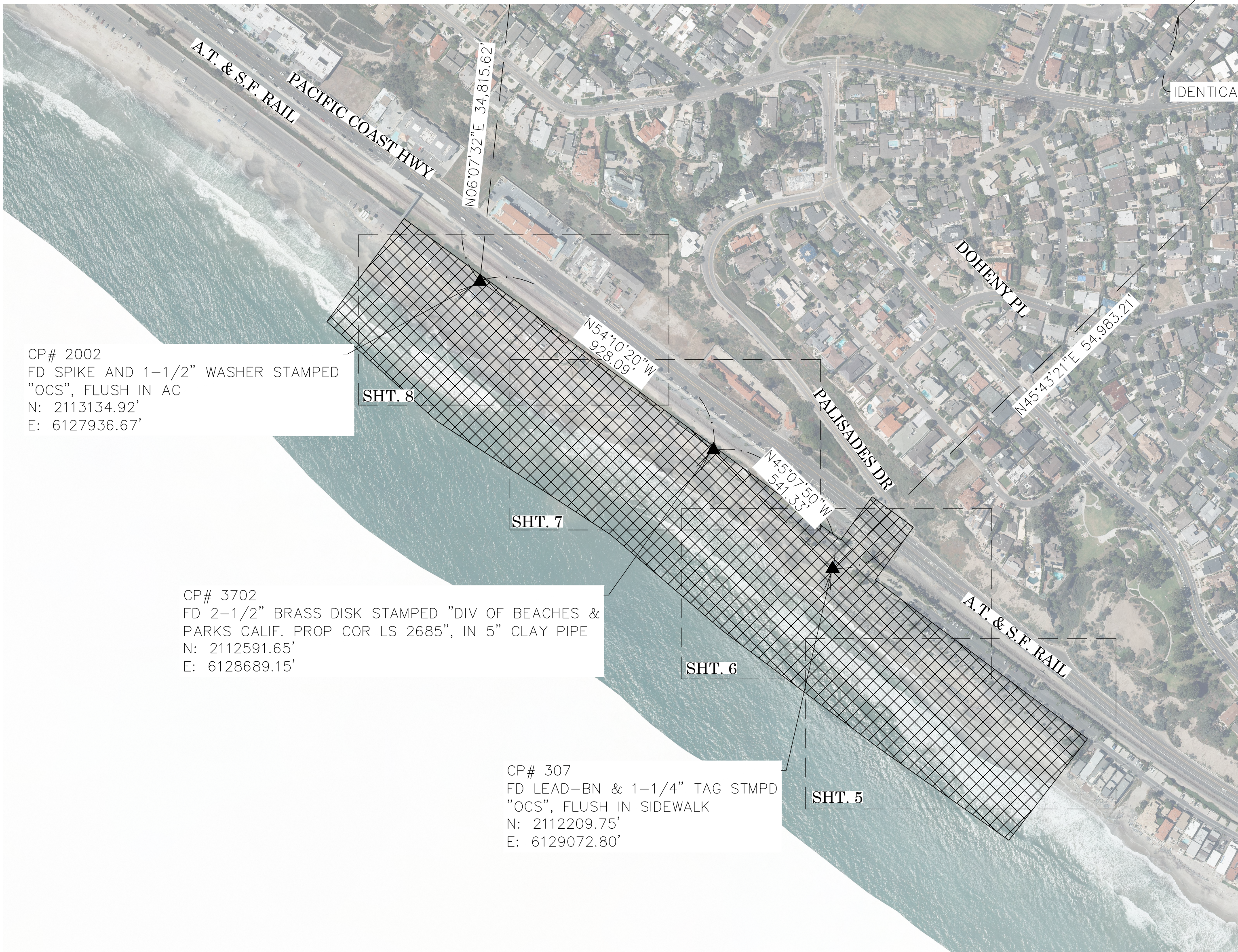
LOCATION MAP



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).

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).

N85°34'46.99"E 36,896.90'
BASIS OF BEARINGS



CP# 2002
FD SPIKE AND 1-1/2" WASHER STAMPED
"OCS", FLUSH IN AC
N: 2113134.92'
E: 6127936.67'

CP# 3702
FD 2-1/2" BRASS DISK STAMPED "DIV OF BEACHES &
PARKS CALIF. PROP COR LS 2685", IN 5" CLAY PIPE
N: 2112591.65'
E: 6128689.15'

CP# 307
FD LEAD-BN & 1-1/4" TAG STMPD
"OCS", FLUSH IN SIDEWALK
N: 2112209.75'
E: 6129072.80'

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 "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) TIDAL DATUM

BENCHMARK:

O.C.S .BM. 3B-50-68 ELEV. = 14.707' NATIONAL GEODETIC VERTICAL DATUM OF
1929 (NGVD29) YEAR LEVELED: 1989

ADJUSTMENT TO MEAN LOWER LOW WATER (MLLW) PER COUNTY OF ORANGE/ OC
PUBLIC WORKS/ O.C.S. SURVEY GEODETIC DATA SHEET BASED ON THE NATIONAL
OCEANIC & ATMOSPHERIC ADMINISTRATION (NOAA) DATA SHEET FOR TIDAL
STATION 9410580 NEWPORT BAY ENTRANCE TIDAL EPOCH 1983-2001 =
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.

THE MEAN HIGH WATER ELEVATION (MHW) WAS DETERMINED TO BE 4.68' (4.7'
SHOWN ON TOPOGRAPHIC MAP HEREON) IN TERMS OF MEAN LOWER LOW WATER
TIDAL DATUM, TIDAL EPOCH 1983-2001 PER VALUES PUBLISHED BY THE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA).

SEE SHEET 2 OF 17.

SHEET INDEX

SHEET NO.	DESCRIPTION
SHEET 1	TITLE SHEET
SHEETS 2-4	BOUNDARY SHEETS
SHEETS 5-8	TOPOGRAPHIC MAP
SHEETS 9-17	SECTIONS

PURPOSE OF SURVEY

THIS SURVEY IS TO PROVIDE A TOPOGRAPHY/ WITH SUPPORTING BOUNDARY,
RIGHT OF WAY, AND EASEMENT INFORMATION. A PRELIMINARY REPORT DATED
2019 WAS USED FOR THIS SUBMITTAL. FURTHER INVESTIGATION MAY BE
NECESSARY. THIS SURVEY IS NOT INTENDED FOR LAND ACQUISITION PURPOSES.

BASIS OF STATIONING

THE BASIS FOR STATIONING FOR CONSTRUCTION ALIGNMENT #1 (SEE SHEETS
5-8) IS STA 10+00 BEGINNING AT THE INTERSECTION OF THE NWLY LINE OF
BLOCK 9, TRACT MAP NO. 797, M.M. 24/10-15, AND A LINE AT A 90'
PERPENDICULAR OFFSET SWLY OF THE SWLY LINE OF LOT Y, TRACT MAP NO.
797, M.M. 24/10-15.

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 19 DAY OF FEBRUARY, 2025.

Michael Kubisty

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 19 DAY OF
FEBRUARY, 2025.

Elliott Medina

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		
			CAPISTRANO BEACH NATURE BASED SHORELINE PROJECT		
			TITLE SHEET		
			PROJECT LIMITS: FROM SE'LY FROM THE BEACH RD AND PCH INTERSECTION TO APPROX. 1400' NW'LY OF SAID INTERSECTION		
			DATE OF SURVEY: 09/19/2024		SHEET NO. 1 of 17
			MAPPING		
			OFFICE CHECK		
			FIELD CHECK		
			SCALE: N.T.S.		
			W.O. #EX419185		
FILE: CAPO_SHORELINE_TOPO_2024.DWG					
MARK	DATE	ITEM	REVISIONS		

MONUMENT NOTES

- 1

FOUND 2 1/2 "BRASS CAP STAMPED "BEACHES & PARKS L.S. 2685 PROP COR" IN CONCRETE TOP OF 4"x24" VITRIFIED CLAY PIPE PER R6, DN. 1.0' IN DIRT, ACCEPTED AS N'LY CORNER OF LOT "Y" OF R1.
- 2

FOUND 1 1/2 " IRON PIPE WITH TAG STAMPED RCE 13095 NO REFERENCE, DN. 0.50' IN SAND S08°16'23"W 0.17' FROM W'LY CORNER OF LOT "Y" OF R1
- 3

FOUND 1 1/2" IRON PIPE HOLLOW, DISTURBED NO REFERENCE, DOWN 0.50' IN SAND, ACCEPTED AS 1" IRON PIPE PER R1 BUT DID NOT ACCEPT POSITION. N36°43'35"E 0.16' FROM LINE ESTABLISHMENT 
- 4

FOUND 3/4" BRASS TAG IN TOP OF CURB STAMPED "LS 2667", NO REFERENCE, S36°43'35"W 0.14" FROM LINE ESTABLISHMENT 
- 5

FOUND 3/4" BRASS TAG IN TOP OF CURB STAMPED "LS 4384", PER R13, S36°43'35"W 0.14" FROM LINE ESTABLISHMENT 
- 6

FOUND SPIKE & WASHER STAMPED LS 6970 PER R14, FLUSH IN A.C. S37°56'50"W 0.20' FROM LINE ESTABLISHMENT 
- 7

FOUND 2" IRON PIPE HOLLOW, ACCEPTED AS 2" IRON PIPE PER R2 AND ANGLE POINT IN NE'LY RIGHT OF WAY OF PACIFIC COAST HIGHWAY PER R2
- 8

FOUND SPIKE & WASHER STAMPED LS 6970 PER R15, DOWN 0.20'IN A.C. N89°37'57"W, 0.50 ' FROM CENTERLINE E.C PACIFIC COAST HIGHWAY PER R5.

REFERENCES

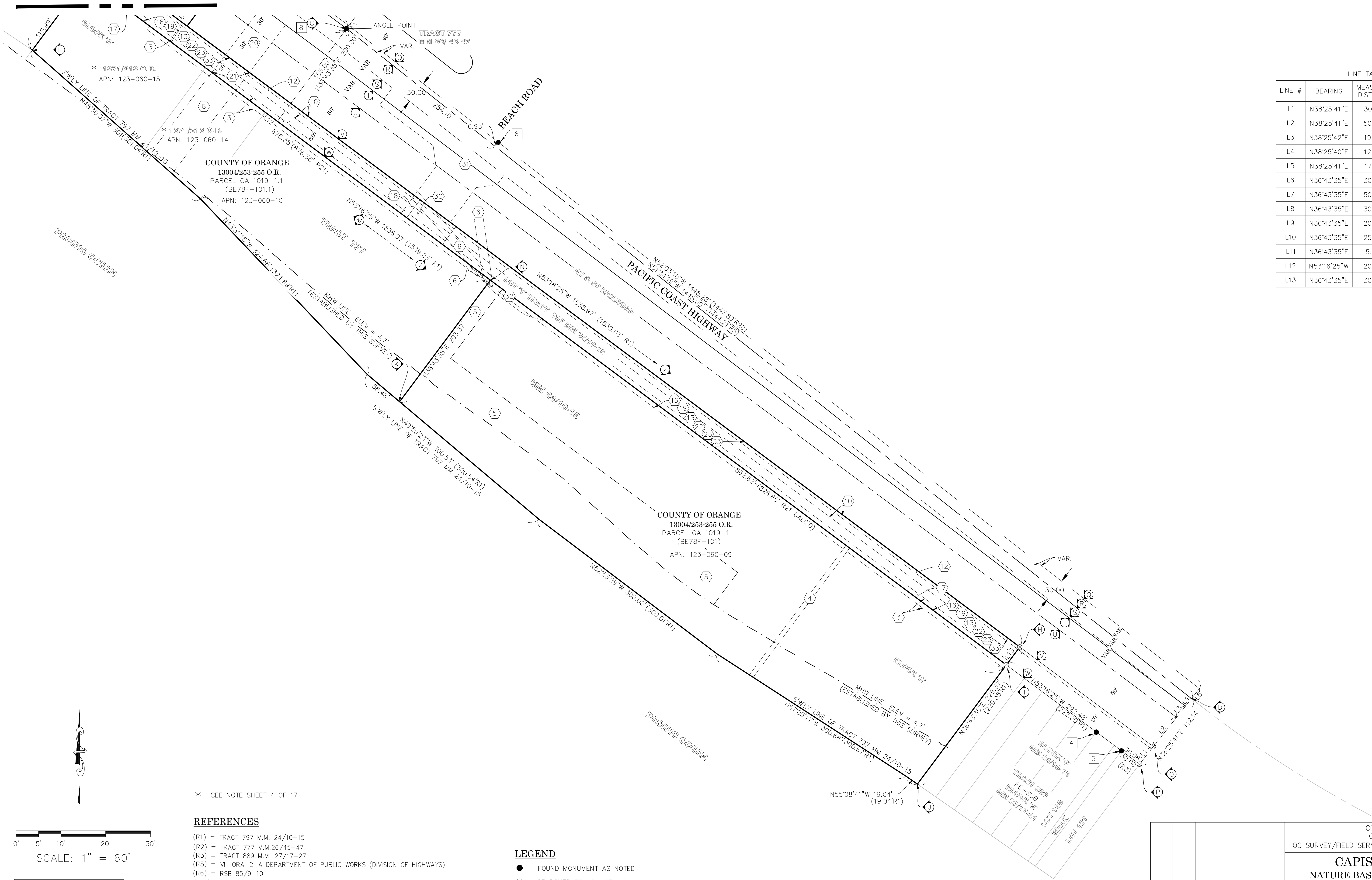
(R1) = TRACT 797 M.M. 24/10-15
(R2) = TRACT 777 M.M.26/45-47
(R3) = TRACT 889 M.M. 27/17-27
(R5) = VI-ORA-2-A DEPARTMENT OF PUBLIC WORKS (DIVISION OF HIGHWAYS)
(R6) = RSB 85/9-10
(R10) = O.C.S. ALIGNMENT NOTE A/8-8/2088-2091
(R11) = CORNER RECORD 2006-1801B
(R12) = CORNER RECORD 2006-1798B
(R13) = CORNER RECORD 2003-0386
(R14) = CORNER RECORD 2006-1800
(R15) = CORNER RECORD 2006-1799B
(R20) = 280-121 D.B.
(R21) = 13004/253-255 O.R.
(R22) = ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY RIGHT OF WAY MAP Z99507.

NOTES

ASSESSOR PARCEL NUMBERS 123-060-14, & 123-060-15 EXIST AS SEPARATE PARCELS ON THE OC LAND INSIGHTS LAND BASE SO THEY ARE GRAPHICALLY PLOTTED HEREON. R21 APPEARS TO ABSORB THEM THROUGH CONDEMNATION. FURTHER INVESTIGATION MAY BE NECESSARY TO CLEAR UP TITLE.

MONUMENTS                                                        

SEE SHEET 4



LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L1	N38°25'41"E	30.01'	30.01' CALC'D R1
L2	N38°25'41"E	50.02'	50.02' CALC'D R1
L3	N38°25'42"E	19.23'	N/A
L4	N38°25'40"E	12.87'	N/A
L5	N38°25'41"E	17.13'	N/A
L6	N36°43'35"E	30.00'	30.00' R1
L7	N36°43'35"E	50.00'	N/A
L8	N36°43'35"E	30.00'	30.00' R1
L9	N36°43'35"E	20.00'	N/A
L10	N36°43'35"E	25.00'	N/A
L11	N36°43'35"E	5.00'	N/A
L12	N53°16'25"W	20.35'	N/A
L13	N36°43'35"E	30.00'	30.00' R1

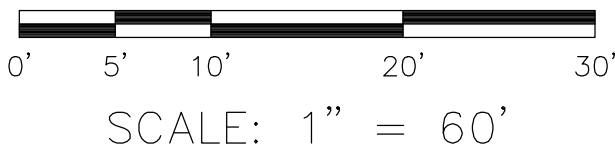
* SEE NOTE SHEET 4 OF 17

REFERENCES

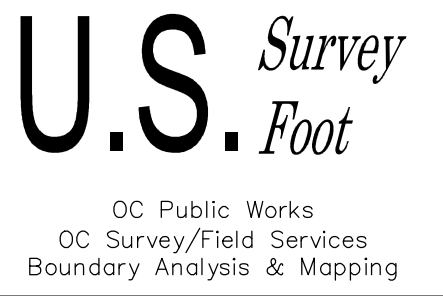
- (R1) = TRACT 797 M.M. 24/10-15
(R2) = TRACT 777 M.M.26/45-47
(R3) = TRACT 889 M.M. 27/17-27
(R5) = VII-ORA-2-A DEPARTMENT OF PUBLIC WORKS (DIVISION OF HIGHWAYS)
(R6) = RSB 85/9-10
(R10) = O.C.S. ALIGNMENT NOTE A/8-8/2088-2091
(R11) = CORNER RECORD 2006-18018
(R12) = CORNER RECORD 2006-1798B
(R13) = CORNER RECORD 2003-0386
(R14) = CORNER RECORD 2006-1800
(R15) = CORNER RECORD 2006-1799
(R20) = 280-121 D.B.
(R21) = 13004/253-255 O.R.
(R22) = ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY RIGHT OF WAY MAP Z99507.

LEGEND

- FOUND MONUMENT AS NOTED
⊗ SEARCHED FOUND NOTHING



SCALE: 1" = 60'



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			CAPISTRANO BEACH NATURE BASED SHORELINE PROJECT				
			BOUNDARY MAP				
			PROJECT LIMITS: FROM SE'LY FROM THE BEACH RD AND POH INTERSECTION TO APPROX. 1400' NW'LY OF SAID INTERSECTION				
			DATE OF SURVEY: 09/19/2024		BY: J. RUSSO & PARTY		SHEET NO. 3 of 17
			MAPPING		BY: M. KUBISTY, PLS		
			OFFICE CHECK		BY: E. MEDINA, PLS		
			FIELD CHECK		BY: J. RUSSO & PARTY		
			SCALE: 1" = 60'		W.O. #EX419185		
			MARK	DATE	ITEM	FILE: CAPISTRANO BEACH BOUNDARY 2025.DWG	
REVISIONS							

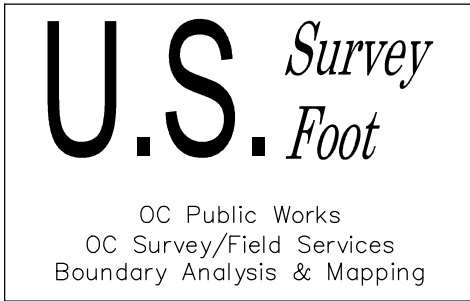
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L2	N38°25'41"E	50.02'	50.02'CALC'D R1
L3	N38°25'42"E	19.23'	N/A
L4	N38°25'40"E	12.87'	N/A
L5	N38°25'41"E	17.13'	N/A
L6	N36°43'35"E	30.00'	30.00' R1
L7	N36°43'35"E	50.00'	N/A
L8	N36°43'35"E	30.00'	30.00' R1
L9	N36°43'35"E	20.00'	N/A
L10	N36°43'35"E	25.00'	N/A
L11	N36°43'35"E	5.00'	N/A
L12	N53°16'25"W	20.35'	N/A
L13	N36°43'35"E	30.00'	30.00' R1

* SEE NOTE SHEET 4 OF 17

REFERENCES

- (R1) = TRACT 797 M.M. 24/10-15
(R2) = TRACT 777 M.M.26/45-47
(R3) = TRACT 889 M.M. 27/17-27
(R5) = VII-ORA-2-A DEPARTMENT OF PUBLIC WORKS (DIVISION OF HIGHWAYS)
(R6) = RSB 85/9-10
(R10) = O.C.S. ALIGNMENT NOTE A/8-8/2088-2091
(R11) = CORNER RECORD 2006-1801B
(R12) = CORNER RECORD 2006-1798B
(R13) = CORNER RECORD 2003-0386
(R14) = CORNER RECORD 2006-1800
(R15) = CORNER RECORD 2006-1799
(R20) = 280-121 D.B.
(R21) = 13004/253-255 O.R.
(R22) = ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY RIGHT OF WAY MAP Z99507.

0' 5' 10' 20' 30'
SCALE: 1" = 60'



SEE SHEET 3

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			CAPISTRANO BEACH NATURE BASED SHORELINE PROJECT		
			BOUNDARY MAP		
			PROJECT LIMITS: FROM SE'LY FROM THE BEACH RD AND PCH INTERSECTION TO APPROX. 1400' NW'LY OF SAID INTERSECTION		
			DATE OF SURVEY: 09/19/2024		SHEET NO. 4 of 17
			MAPPING		
			OFFICE CHECK		
			FIELD CHECK		
			SCALE: 1" = 60' W.O. #EX419185		
			FILE: CAPISTRANOBEACH_BOUNDARY_2025.DWG		
MARK	DATE	ITEM	REVISIONS		

SEE SHEET 6

COUNTY OF ORANGE
13004/253-255 O.R.
PARCEL GA 1019-1
(BE78F-101)
APN: 123-060-09

BEACH RD

PACIFIC COAST HIGHWAY

A.T. & S.F. RAILROAD

VAR. VAR.

BEACH RD

50'

30'

CP# 651
SET LEAD AND BRASS
PIN AND 1-1/4 INCH
SS WASHER STAMPED
"OCS CP" FLUSH IN CONCRETE
N: 2111671.31'
E: 6129858.74'
EL: 17.67'

BEGIN CONSTRUCTION ALIGNMENT
STA: 10+00.00
N: 2111575.18, E: 6129850.87

BLOCK A, TRACT NO. 797, MIN 24/10-15
COUNTY OF ORANGE
PARCEL NO. (101)
BK. 13004/253 O.R.
APN 123-060-09

DOUBLE CONCRETE BOX CHANNEL
TOP OF WALL: 16.63'
FLOWLINE: 11.65'

SWLY LINE OF TRACT 797 MIN 24/10-15
MH/LINE ELEV. 4.7'
(ESTABLISHED BY THIS SURVEY)

PACIFIC OCEAN

LEGEND

SYMBOL

- Control Box Undefined
- Control Point
- Curb Drain/Weep Hole
- Firepit
- Gate, Double
- Gate, Single
- Guy Wire Anchor
- Guy Wire Pole
- Guy Wire Pole with Stand
- Hose Bibb
- Irrigation Stand Pipe
- Light Pole, Double
- Light Pole, Single
- Manhole Undefined
- Meter Water
- Picnic Table
- Post
- Pull Box Cable TV
- Pull Box Electrical
- Pull Box Irrigation
- Sign Post
- Traffic Signal

SYMBOL

- Traffic Signal w/ Light
- Trash Can
- Tree
- Tree, Palm
- Utility Pole, Underground
- Utility Pole w/ 2 Lights, Underground
- Valve Undefined
- Vault Cable TV
- Vault Traffic
- Vault Undefined
- Vault Water
- Vent Pipe

ABBREVIATION

- | | |
|-----|--------------------------|
| APN | Assessor Parcel Number |
| CP | Control Point |
| EL | Elevation |
| FD | Found |
| INV | Invert |
| SS | Stainless Steel |
| RCP | Reinforced Concrete Pipe |

AREA PATTERN KEY

- | | |
|--|------------|
| | Concrete |
| | Rip Rap |
| | Sand |
| | Sand Cubes |

LINE PATTERN KEY

- | | |
|--|--------------------------|
| | Building Outline |
| | Centerline |
| | Concrete Wall |
| | Edge of Concrete |
| | Edge of Asphalt Pavement |
| | Fence Chainlink |
| | Fence Wood |
| | Fence Wrought Iron |
| | Flowline |
| | Hinge Point |
| | Railroad |
| | Right of Way |
| | Traffic Striping |

U.S. Survey

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

0' 15' 30' 60' 90'

SCALE: 1" = 30'

CONTOUR INTERVAL: 1'

COUNTY OF ORANGE
OC PUBLIC WORKS
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING

CAPISTRANO BEACH NATURE BASED SHORELINE PROJECT

TOPOGRAPHIC MAP

PROJECT LIMITS: FROM SE'LY FROM THE BEACH RD AND POH

INTERSECTION TO APPROX. 1400' NW'LY OF SAID INTERSECTION

DATE OF SURVEY: 09/19/2024

MAPPING

OFFICE CHECK

FIELD CHECK

SCALE: 1" = 30' W.O. #EX41918S

FILE: #2425PW-ENG0003

BY: J. RUSSO & PARTY

BY: J. PEDRETTI

BY: E. MEDINA, PLS

BY: J. RUSSO & PARTY

FILE: #2425PW-ENG0003

SHEET NO.

5

of

17

SEE SHEET 7

30"ø PVC PIPE
INV. EL. = 9.18
30"ø PVC PIPE
INV. EL. = 9.10
30"ø PVC PIPE
INV. EL. = 9.20

COUNTY OF ORANGE
13004/253-255 O.R.
PARCEL GA 1019-1.1
(BE78F-101.1)
APN: 123-060-10

COUNTY OF ORANGE
13004/253-255 O.R.
PARCEL GA 1019-1
(BE78F-101)
APN: 123-060-09

LEGEND

SYMBOL

- Control Box Undefined
- Control Point
- Curb Drain/Weep Hole
- Firepit
- Gate, Double
- Gate, Single
- Guy Wire Anchor
- Guy Wire Pole
- Guy Wire Pole with Stand
- Hose Bibb
- Irrigation Stand Pipe
- Light Pole, Double
- Light Pole, Single
- Manhole Undefined
- Meter Water
- Picnic Table
- Post
- Pull Box Cable TV
- Pull Box Electrical
- Pull Box Irrigation
- Sign Post
- Traffic Signal

SYMBOL

- Traffic Signal w/ Light
- Trash Can
- Tree
- Tree, Palm
- Utility Pole, Underground
- Utility Pole w/ 2 Lights, Underground
- Valve Undefined
- Vault Cable TV
- Vault Traffic
- Vault Undefined
- Vault Water
- Vent Pipe

ABBREVIATION

- | | |
|-----|--------------------------|
| APN | Assessor Parcel Number |
| CP | Control Point |
| EL | Elevation |
| FD | Found |
| INV | Invert |
| SS | Stainless Steel |
| RCP | Reinforced Concrete Pipe |

AREA PATTERN KEY

- | | |
|--|------------|
| | Concrete |
| | Rip Rap |
| | Sand |
| | Sand Cubes |

LINE PATTERN KEY

- | | |
|--|--------------------------|
| | Building Outline |
| | Centerline |
| | Concrete Wall |
| | Edge of Concrete |
| | Edge of Asphalt Pavement |
| | Fence Chainlink |
| | Fence Wood |
| | Fence Wrought Iron |
| | Flowline |
| | Hinge Point |
| | Railroad |
| | Right of Way |
| | Traffic Striping |

0' 15' 30' 60' 90'

SCALE: 1" = 30'
CONTOUR INTERVAL: 1'

U.S. Survey
Foot
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SEE SHEET 5

COUNTY OF ORANGE
OC PUBLIC WORKS
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING

CAPISTRANO BEACH NATURE BASED SHORELINE PROJECT

TOPOGRAPHIC MAP

PROJECT LIMITS: FROM SE'LY FROM THE BEACH RD AND PCH

INTERSECTION TO APPROX. 1400' NW'LY OF SAID INTERSECTION

DATE OF SURVEY: 09/19/2024

MAPPING

OFFICE CHECK

FIELD CHECK

SCALE: 1" = 30' W.O. #EX419185

FILE: #2425PW-ENG0003

BY: J. RUSSO & PARTY

BY: J. PEDRETTI

BY: E. MEDINA, PLS

BY: J. RUSSO & PARTY

FILE: #2425PW-ENG0003

SHEET NO.

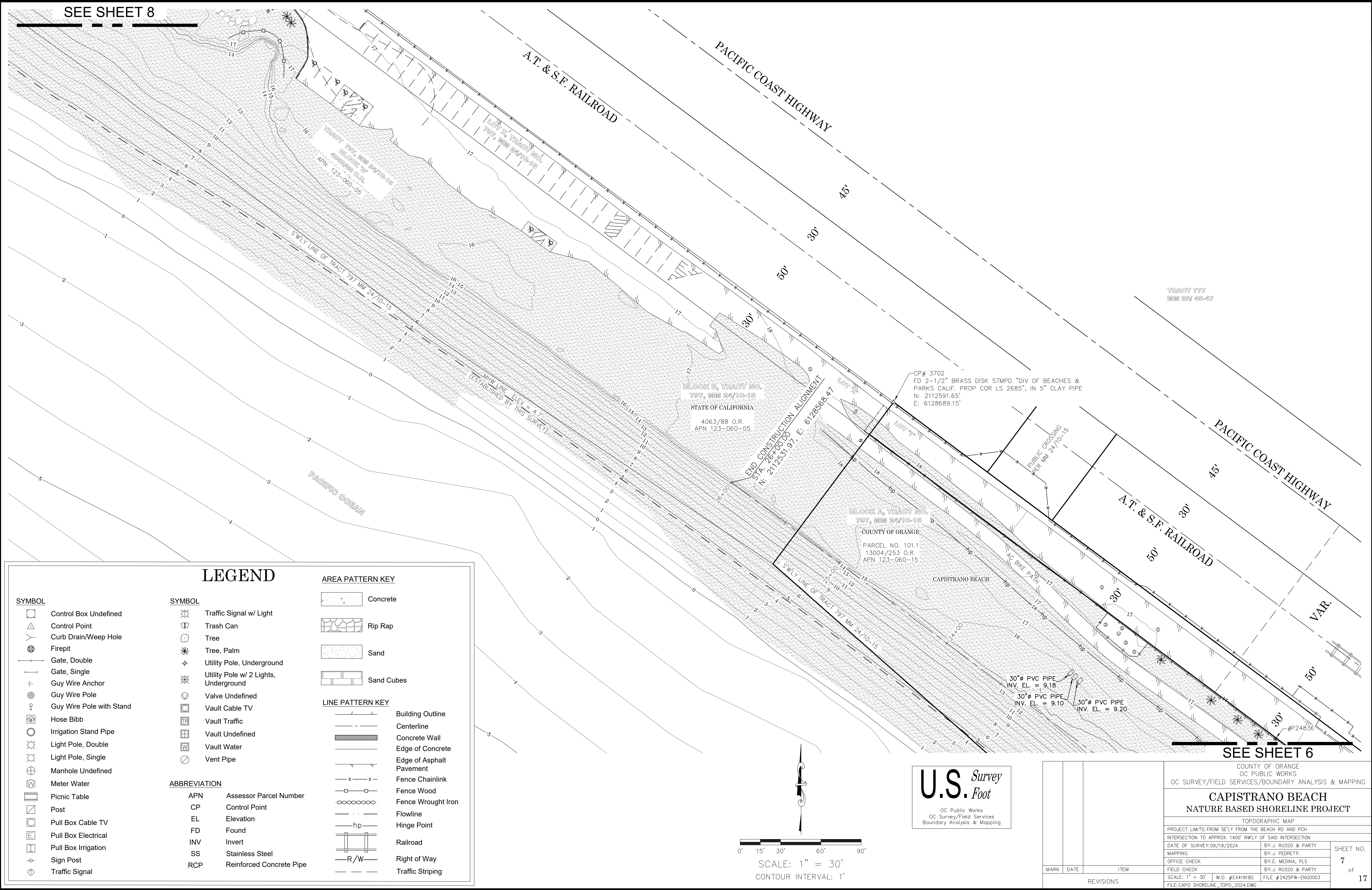
6

of

17

MARK DATE ITEM

REVISIONS

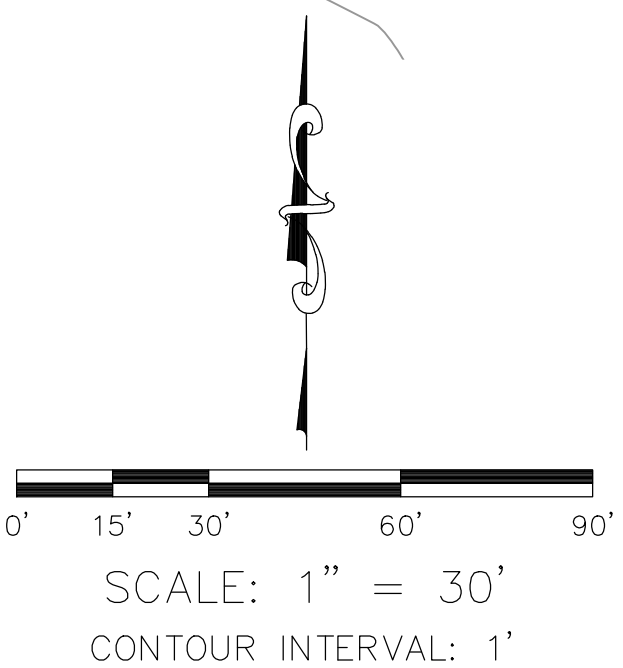


- SYMBOL**
- Control Box Undefined
 - Control Point
 - Curb Drain/Weep Hole
 - Firepit
 - Gate, Double
 - Gate, Single
 - Guy Wire Anchor
 - Guy Wire Pole
 - Guy Wire Pole with Stand
 - Hose Bibb
 - Irrigation Stand Pipe
 - Light Pole, Double
 - Light Pole, Single
 - Manhole Undefined
 - Meter Water
 - Picnic Table
 - Post
 - Pull Box Cable TV
 - Pull Box Electrical
 - Pull Box Irrigation
 - Sign Post
 - Traffic Signal

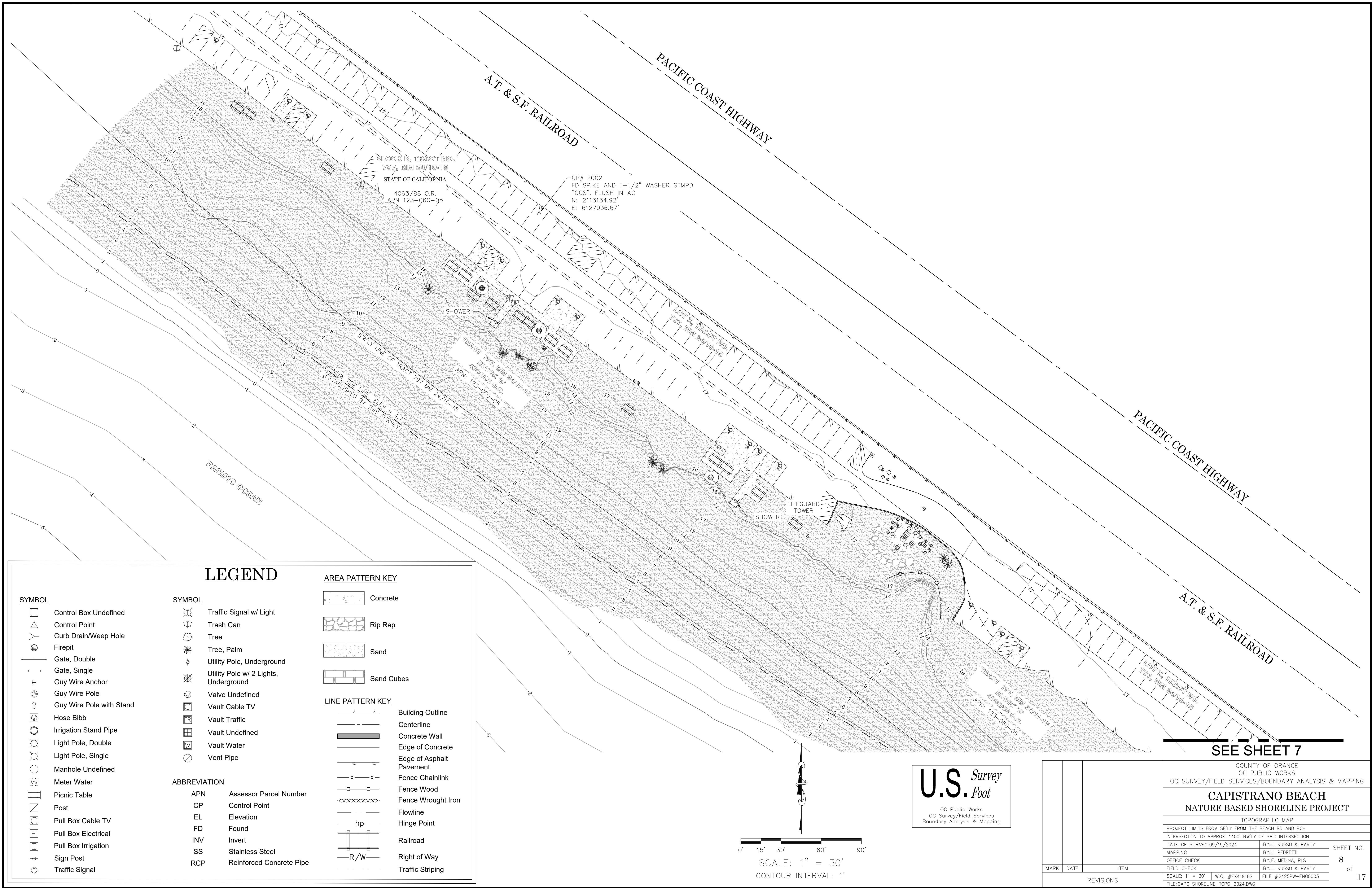
- SYMBOL**
- Traffic Signal w/ Light
 - Trash Can
 - Tree
 - Tree, Palm
 - Utility Pole, Underground
 - Utility Pole w/ 2 Lights, Underground
 - Valve Undefined
 - Vault Cable TV
 - Vault Traffic
 - Vault Undefined
 - Vault Water
 - Vent Pipe
- ABBREVIATION**
- APN Assessor Parcel Number
 - CP Control Point
 - EL Elevation
 - FD Found
 - INV Invert
 - SS Stainless Steel
 - RCP Reinforced Concrete Pipe

- AREA PATTERN KEY**
- Concrete
 - Rip Rap
 - Sand
 - Sand Cubes
- LINE PATTERN KEY**
- Building Outline
 - Centerline
 - Concrete Wall
 - Edge of Concrete
 - Edge of Asphalt Pavement
 - Fence Chainlink
 - Fence Wood
 - Fence Wrought Iron
 - Flowline
 - Hinge Point
 - Railroad
 - Right of Way
 - Traffic Striping

U.S. Survey
Foot
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping



				COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		CAPISTRANO BEACH NATURE BASED SHORELINE PROJECT	
MARK		DATE		ITEM		TOPOGRAPHIC MAP	
						PROJECT LIMITS: FROM SE'LY FROM THE BEACH RD AND PCH INTERSECTION TO APPROX. 1400' NW'LY OF SAID INTERSECTION	
						DATE OF SURVEY: 09/19/2024	
						BY: J. RUSSO & PARTY	
						SHEET NO.	
						MAPPING	
						BY: J. PEDRETTI	
						OFFICE CHECK	
						BY: E. MEDINA, PLS	
						7	
						FIELD CHECK	
						BY: J. RUSSO & PARTY	
						SCALE: 1" = 30'	
						W.O. #EX41918S	
						17	
REVISIONS						FILE # 2425PW-ENG0003	
						FILE: C:\P\O SHORELINE_TOPO_2024.DWG	



LEGEND

SYMBOL

- Control Box Undefined
- Control Point
- Curb Drain/Weep Hole
- Firepit
- Gate, Double
- Gate, Single
- Guy Wire Anchor
- Guy Wire Pole
- Guy Wire Pole with Stand
- Hose Bibb
- Irrigation Stand Pipe
- Light Pole, Double
- Light Pole, Single
- Manhole Undefined
- Meter Water
- Picnic Table
- Post
- Pull Box Cable TV
- Pull Box Electrical
- Pull Box Irrigation
- Sign Post
- Traffic Signal

SYMBOL

- Traffic Signal w/ Light
- Trash Can
- Tree
- Tree, Palm
- Utility Pole, Underground
- Utility Pole w/ 2 Lights, Underground
- Valve Undefined
- Vault Cable TV
- Vault Traffic
- Vault Undefined
- Vault Water
- Vent Pipe

ABBREVIATION

- | | |
|-----|--------------------------|
| APN | Assessor Parcel Number |
| CP | Control Point |
| EL | Elevation |
| INV | Invert |
| SS | Stainless Steel |
| RCP | Reinforced Concrete Pipe |

AREA PATTERN KEY

- | | |
|-----------|------------|
| [Pattern] | Concrete |
| [Pattern] | Rip Rap |
| [Pattern] | Sand |
| [Pattern] | Sand Cubes |

LINE PATTERN KEY

- | | |
|--------|--------------------------|
| [Line] | Building Outline |
| [Line] | Centerline |
| [Line] | Concrete Wall |
| [Line] | Edge of Concrete |
| [Line] | Edge of Asphalt Pavement |
| [Line] | Fence Chainlink |
| [Line] | Fence Wood |
| [Line] | Fence Wrought Iron |
| [Line] | Flowline |
| [Line] | Hinge Point |
| [Line] | Railroad |
| [Line] | Right of Way |
| [Line] | Traffic Striping |

U.S. Survey
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SEE SHEET 7

COUNTY OF ORANGE
OC PUBLIC WORKS
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING

CAPISTRANO BEACH
NATURE BASED SHORELINE PROJECT

TOPOGRAPHIC MAP

PROJECT LIMITS: FROM SE'LY FROM THE BEACH RD AND PCH

INTERSECTION TO APPROX. 1400' NW'LY OF SAID INTERSECTION

DATE OF SURVEY: 09/19/2024

MAPING

OFFICE CHECK

FIELD CHECK

SCALE: 1" = 30' W.O. #EX419185 FILE #2425PW-ENG0003

FILE: CAPO_SHORELINE_TOPO_2024.DWG

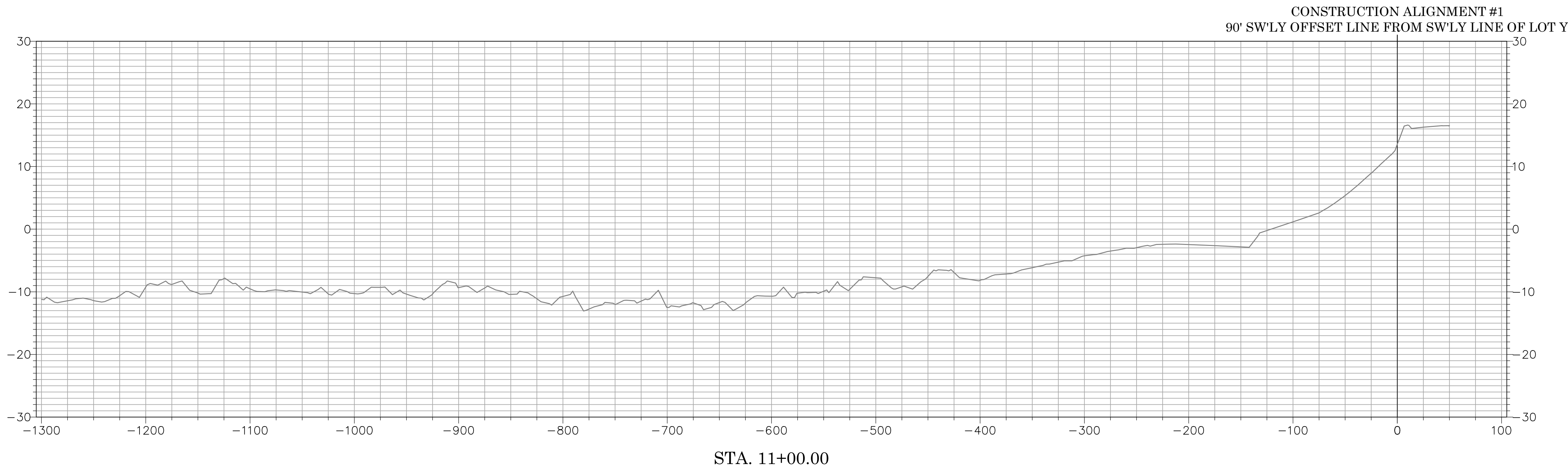
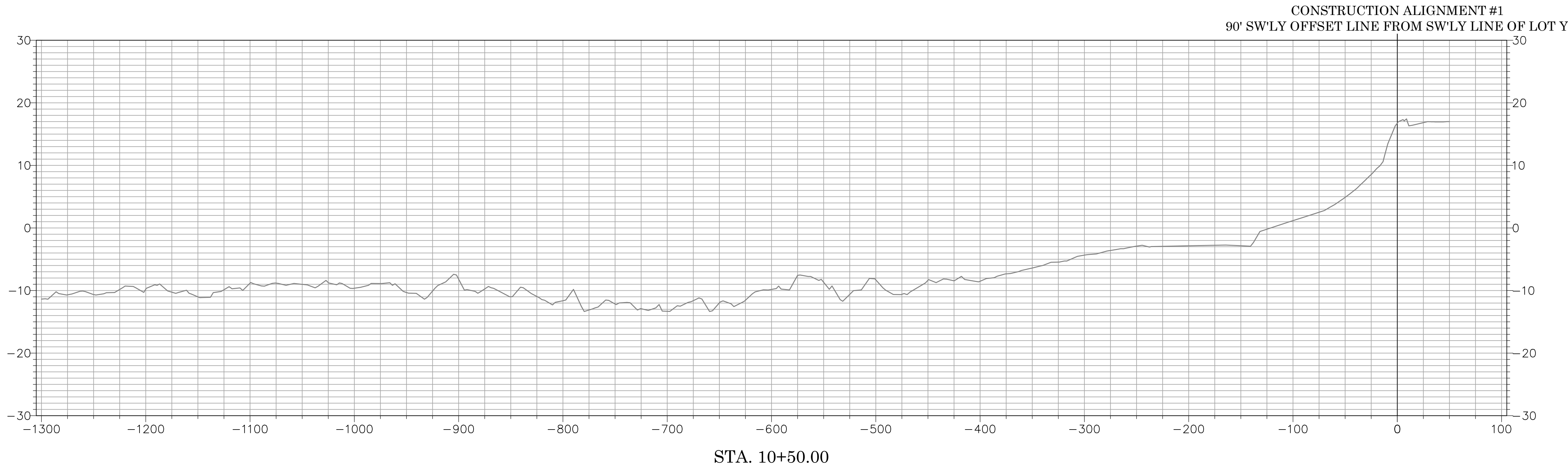
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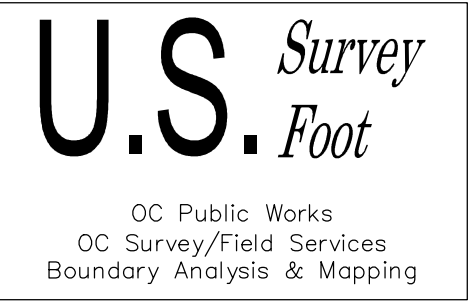
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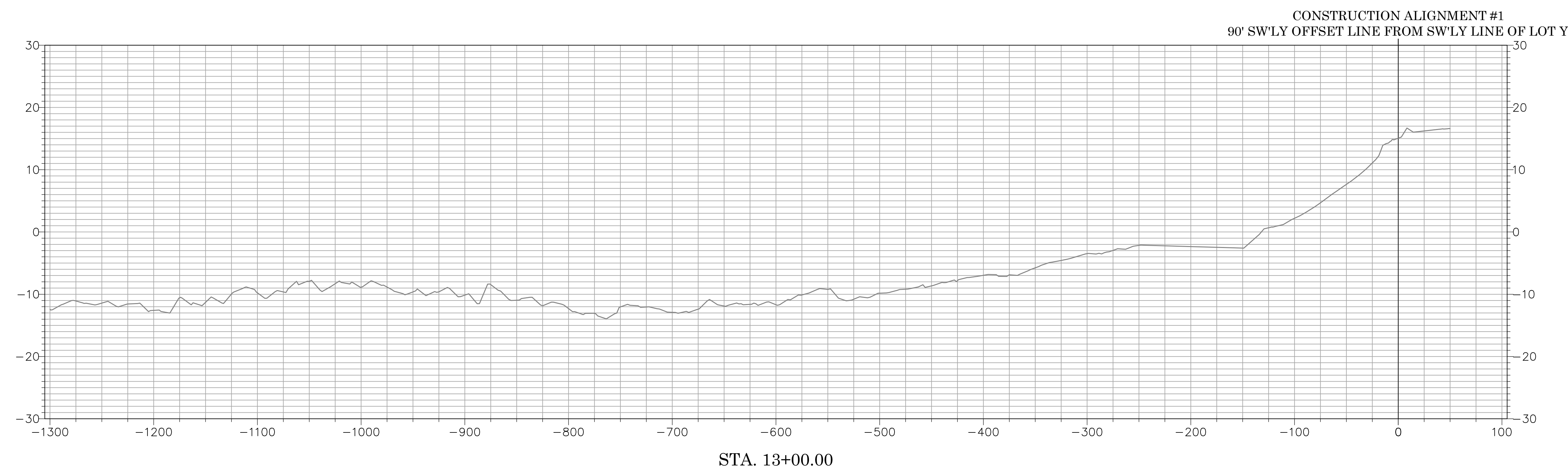
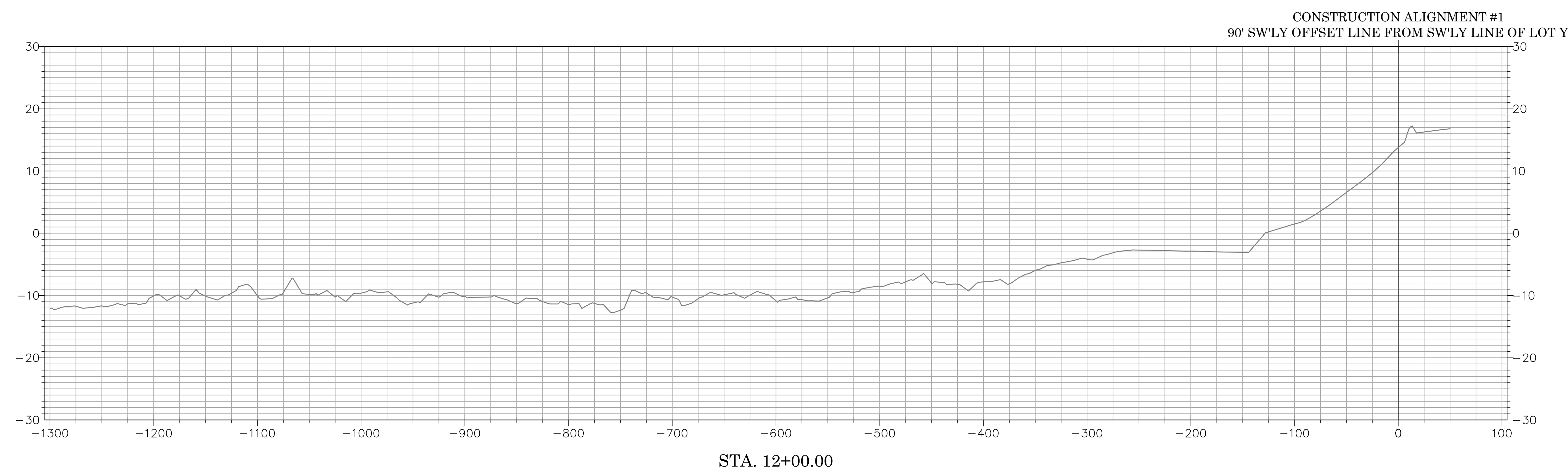
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REVISIONS		



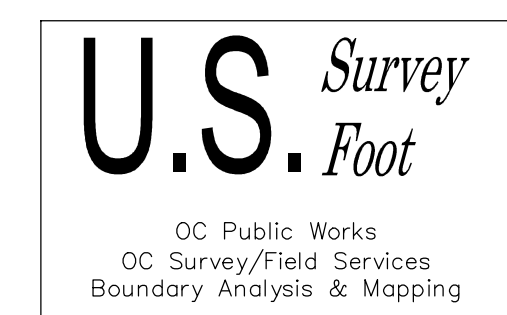
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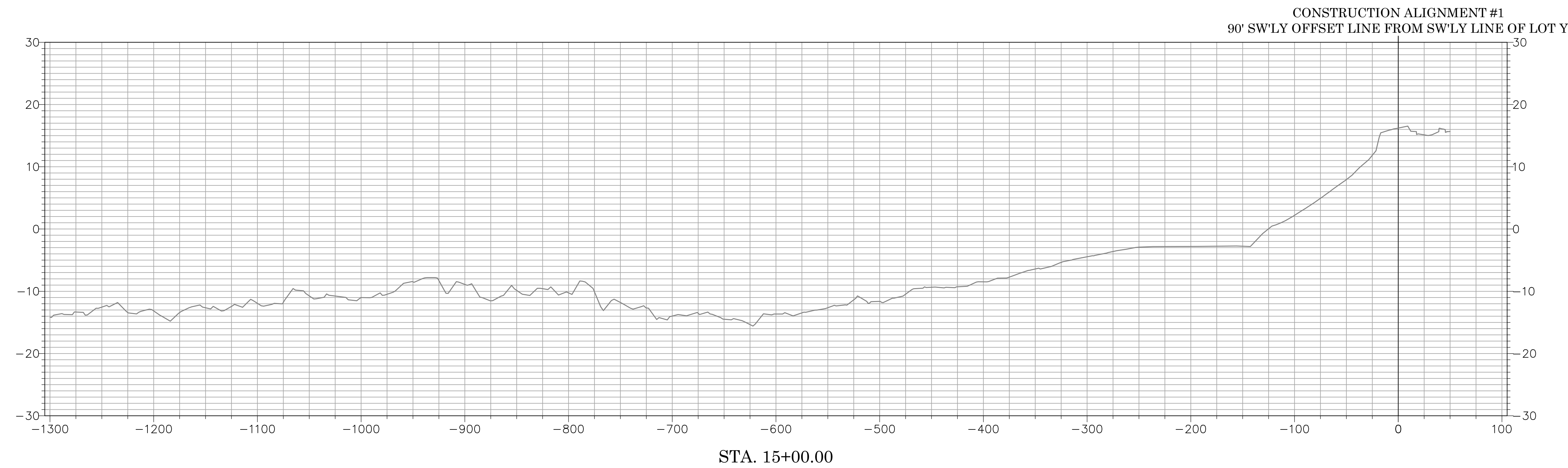
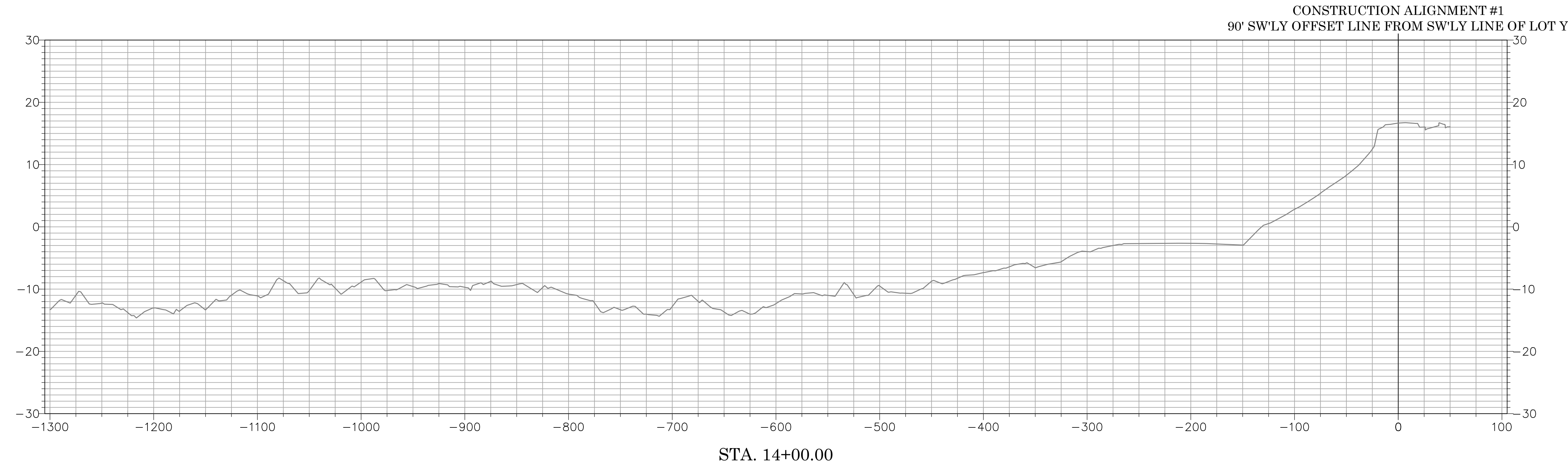
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			CAPISTRANO BEACH NATURE BASED SHORELINE PROJECT				
			CROSS SECTIONS				
			PROJECT LIMITS: FROM SE'LY FROM THE BEACH RD AND POH				
			INTERSECTION TO APPROX. 1400' NW'LY OF SAID INTERSECTION				
			DATE OF SURVEY: 09/19/2024		BY: J. RUSSO & PARTY		SHEET NO. 9 of 17
			MAPPING		BY: J. PEDRETTI		
			OFFICE CHECK		BY: E. MEDINA, PLS		
			FIELD CHECK		BY: J. RUSSO & PARTY		
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FILE: CAPO_SHORELINE_SECTIONS_2024.DWG							
REVISIONS							



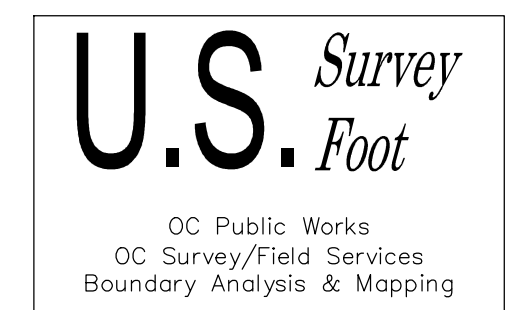
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			CAPISTRANO BEACH NATURE BASED SHORELINE PROJECT			
			CROSS SECTIONS			
			PROJECT LIMITS: FROM SE'LY FROM THE BEACH RD AND POH			
			INTERSECTION TO APPROX. 1400' NW'LY OF SAID INTERSECTION			
			DATE OF SURVEY: 09/19/2024		BY: J. RUSSO & PARTY	
			MAPPING		BY: J. PEDRETTI	
			OFFICE CHECK		BY: E. MEDINA, PLS	
			FIELD CHECK		BY: J. RUSSO & PARTY	
MARK	DATE	ITEM		SCALE: 1" = 40'		W.O. #EX419185
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SHEET NO. 10 of 17						

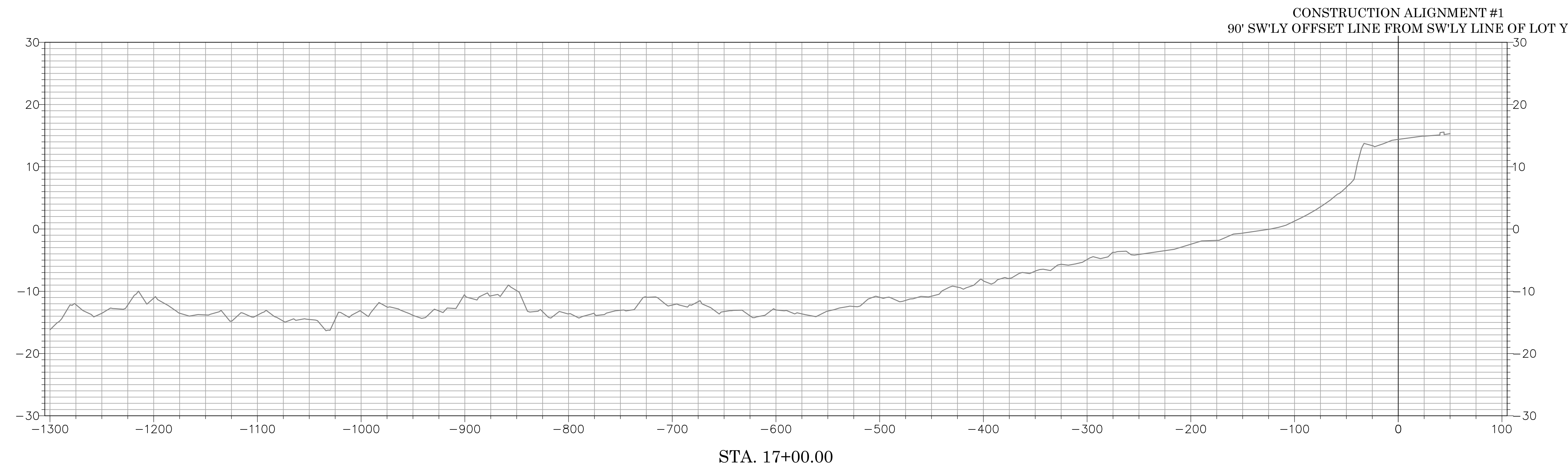
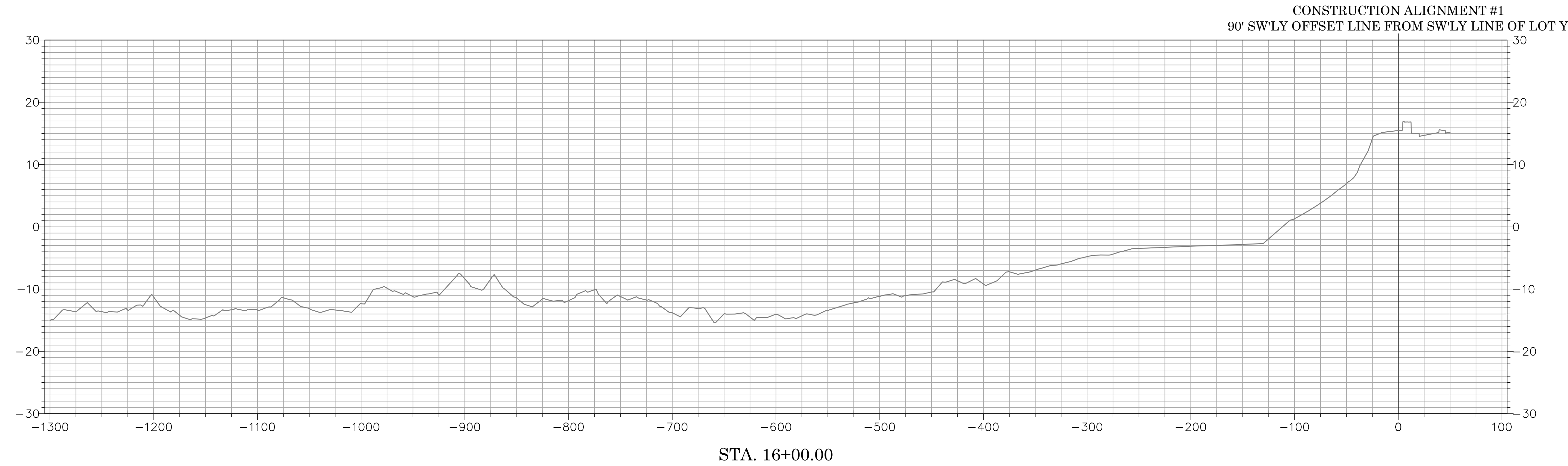


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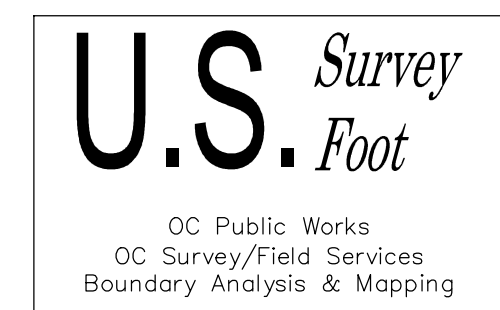


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			CAPISTRANO BEACH NATURE BASED SHORELINE PROJECT			
			CROSS SECTIONS			
			PROJECT LIMITS: FROM SE'LY FROM THE BEACH RD AND POH INTERSECTION TO APPROX. 1400' NW'LY OF SAID INTERSECTION			
			DATE OF SURVEY: 09/19/2024		BY: J. RUSSO & PARTY	
			MAPPING		BY: J. PEDRETTI	
			OFFICE CHECK		BY: E. MEDINA, PLS	
			FIELD CHECK		BY: J. RUSSO & PARTY	
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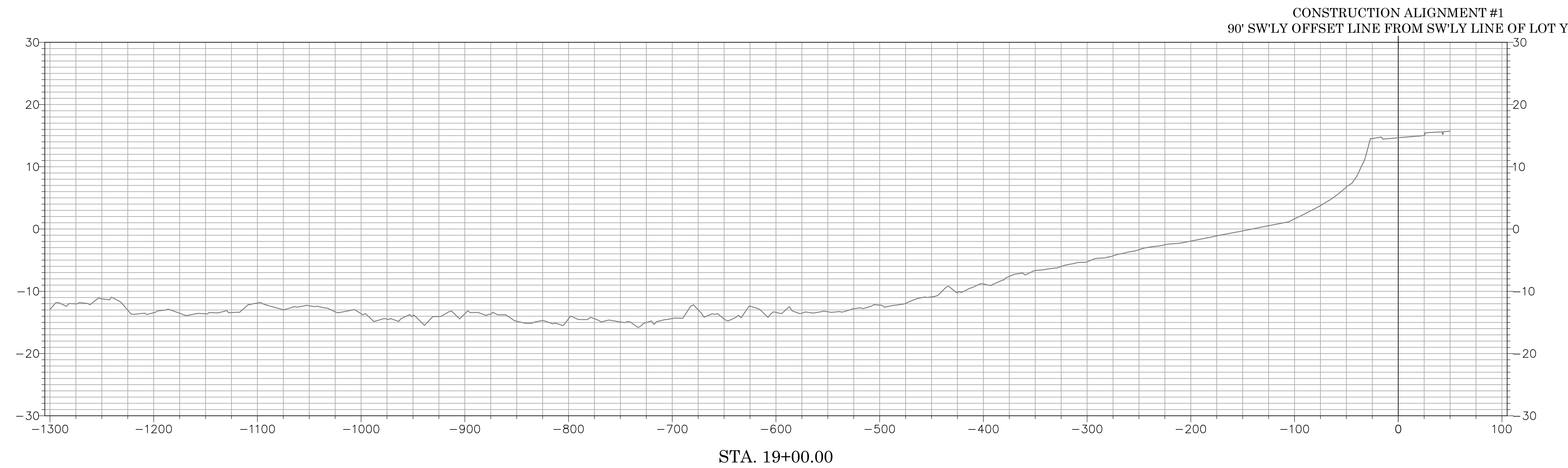
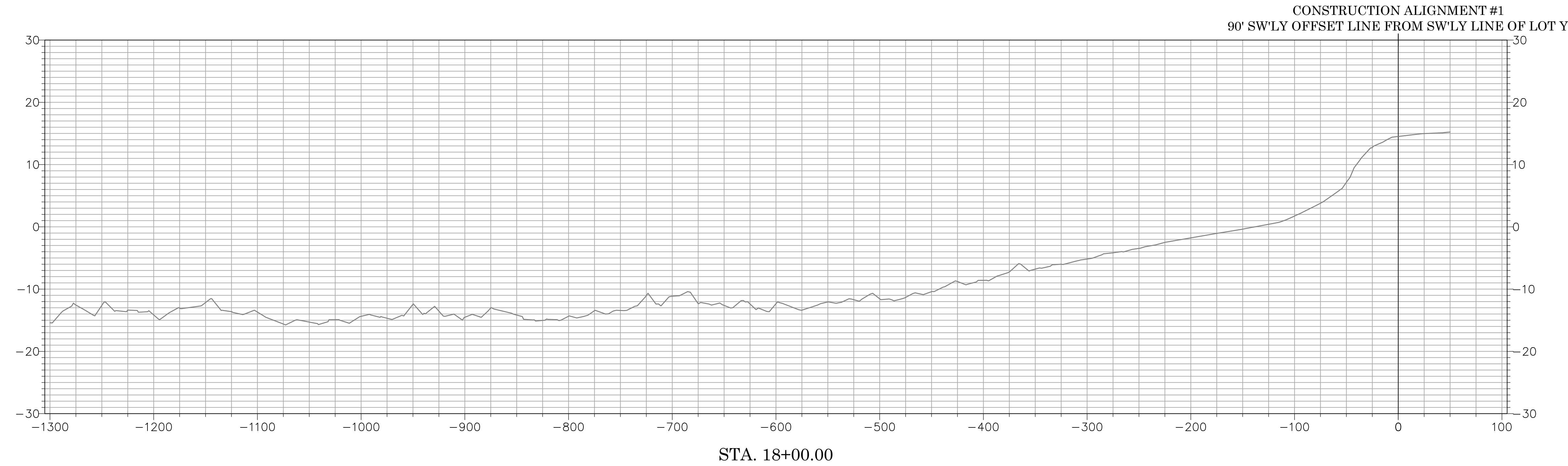
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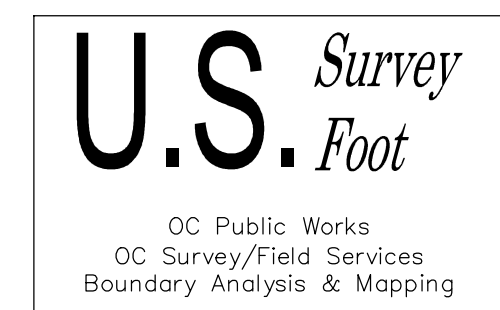
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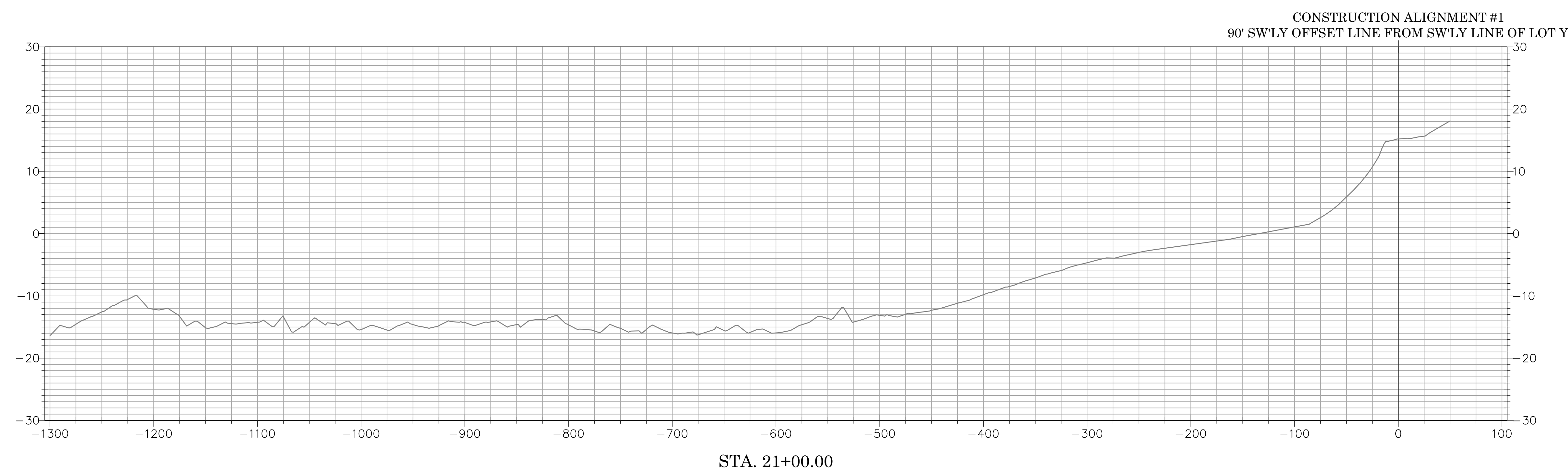
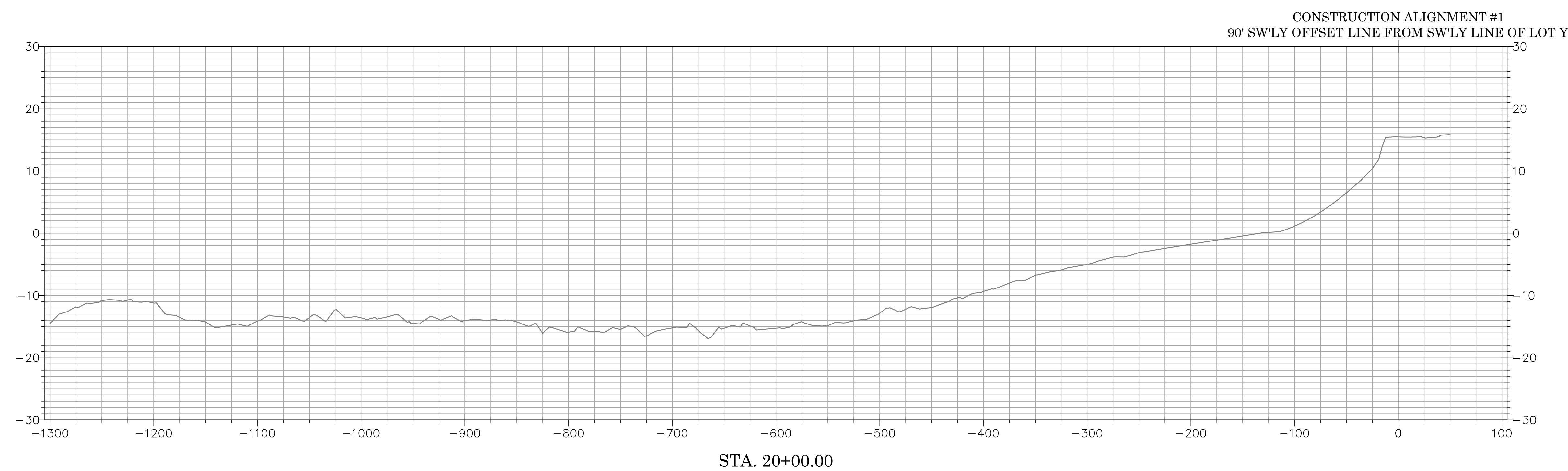
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			CAPISTRANO BEACH NATURE BASED SHORELINE PROJECT			
			CROSS SECTIONS			
			PROJECT LIMITS: FROM SE'LY FROM THE BEACH RD AND POH INTERSECTION TO APPROX. 1400' NW'LY OF SAID INTERSECTION			
			DATE OF SURVEY: 09/19/2024	BY: J. RUSSO & PARTY	SHEET NO. 12 of 17	
			MAPPING	BY: J. PEDRETTI		
			OFFICE CHECK	BY: E. MEDINA, PLS		
			FIELD CHECK	BY: J. RUSSO & PARTY		
MARK	DATE	ITEM	SCALE: 1" = 40'	W.O. #EX419185	FILE #2425PW-ENG0003	
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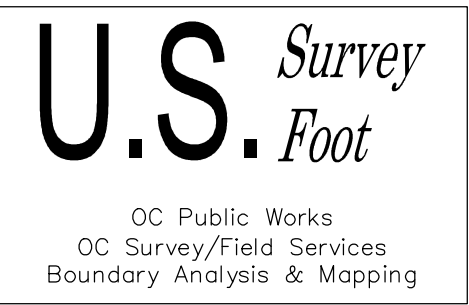
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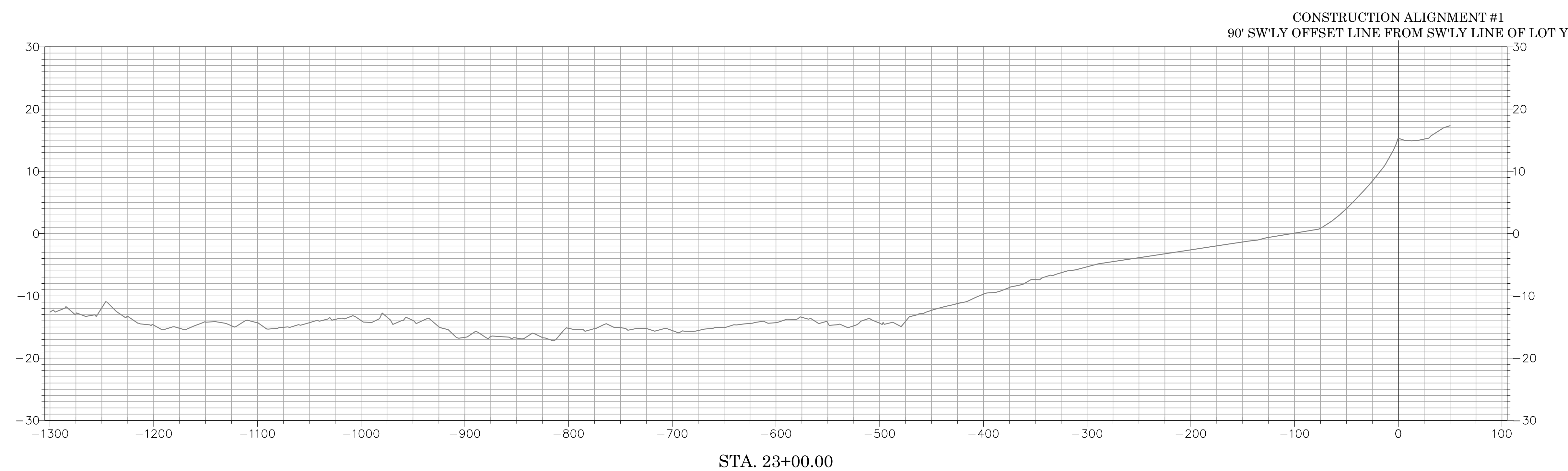
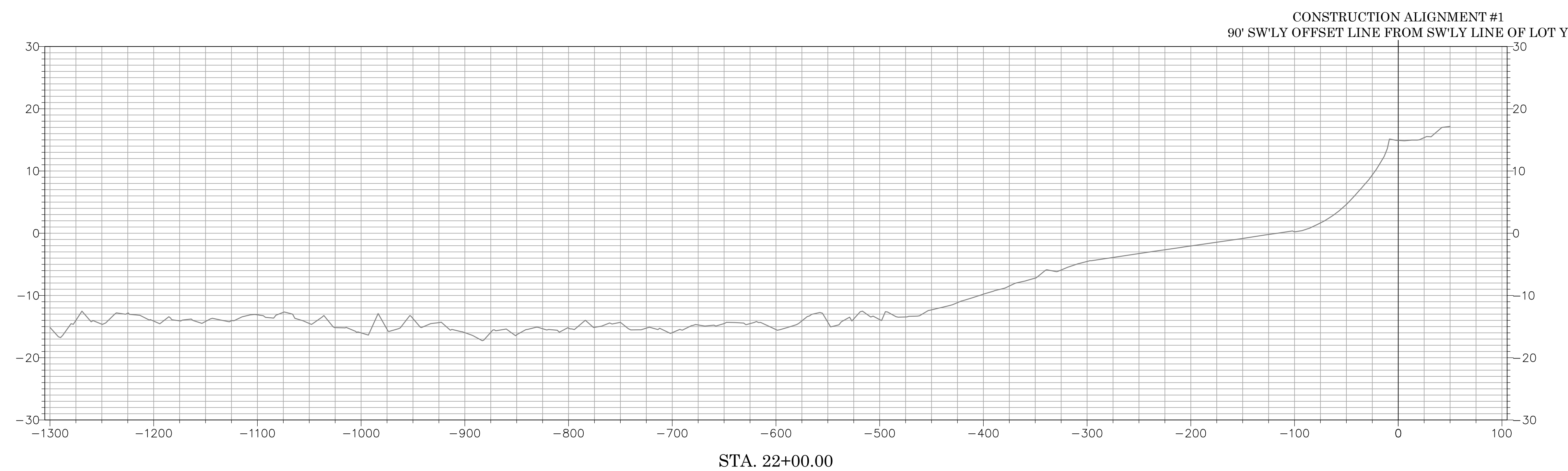
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			DATE OF SURVEY: 09/19/2024	BY: J. RUSSO & PARTY	SHEET NO. 13 of 17	
			MAPPING	BY: J. PEDRETTI		
			OFFICE CHECK	BY: E. MEDINA, PLS		
			FIELD CHECK	BY: J. RUSSO & PARTY		
MARK	DATE	ITEM	SCALE: 1" = 40'	W.O. #EX41918S	FILE #2425PW-ENG0003	
REVISIONS			FILE: CAPO SHORELINE_SECTIONS_2024.DWG			



Vert. Scale: 1"=6'
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			COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			CAPISTRANO BEACH NATURE BASED SHORELINE PROJECT				
			CROSS SECTIONS				
			PROJECT LIMITS: FROM SE'LY FROM THE BEACH RD AND POH				
			INTERSECTION TO APPROX. 1400' NW'LY OF SAID INTERSECTION				
			DATE OF SURVEY: 09/19/2024		BY: J. RUSSO & PARTY		SHEET NO. 14 of 17
			MAPPING		BY: J. PEDRETTI		
			OFFICE CHECK		BY: E. MEDINA, PLS		
			FIELD CHECK		BY: J. RUSSO & PARTY		
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MARK	DATE	ITEM	REVISIONS		FILE: CAPO_SHORELINE_SECTIONS_2024.DWG		

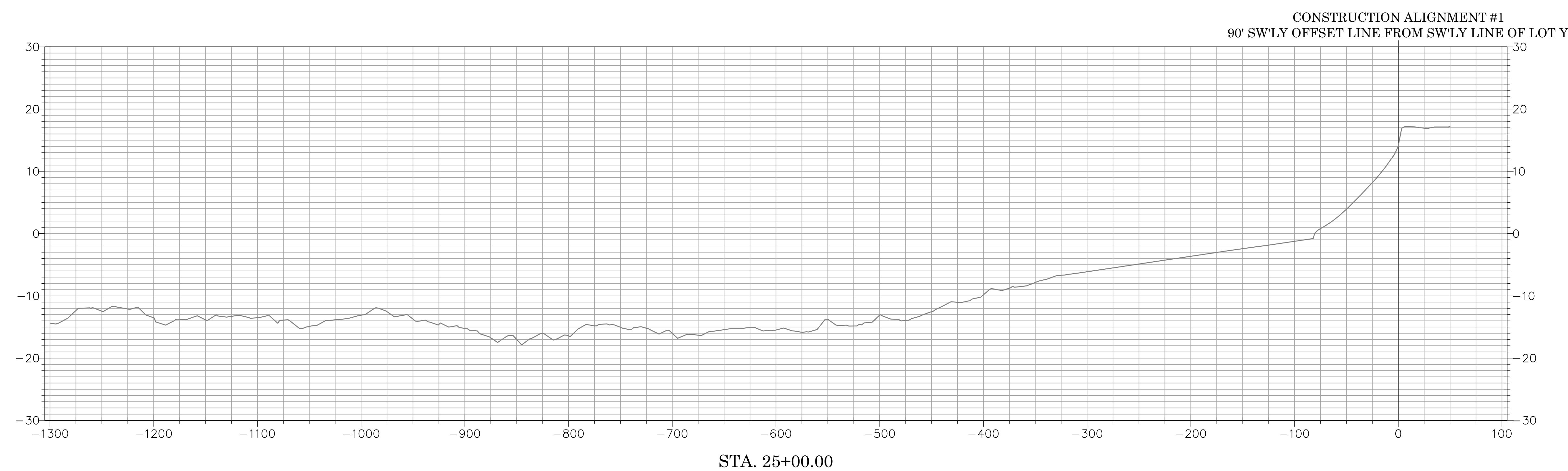
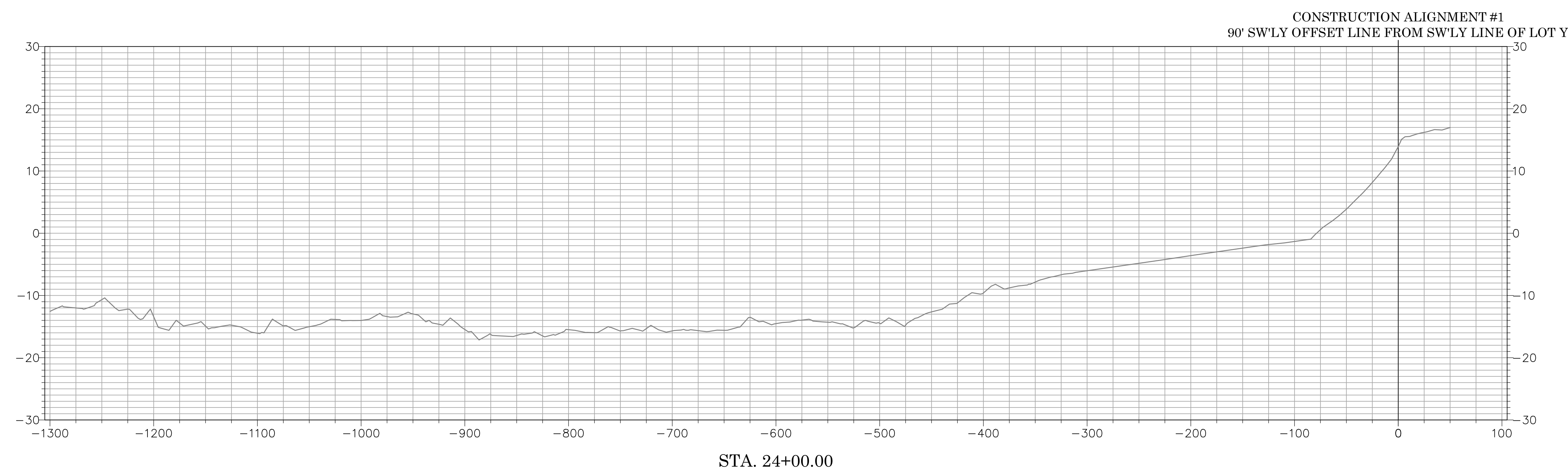


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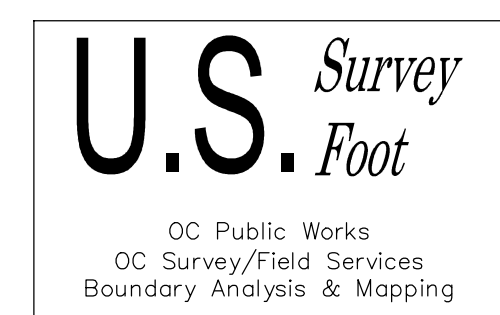


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			MAPPING		BY: J. PEDRETTI	
			OFFICE CHECK		BY: E. MEDINA, PLS	
			FIELD CHECK		BY: J. RUSSO & PARTY	
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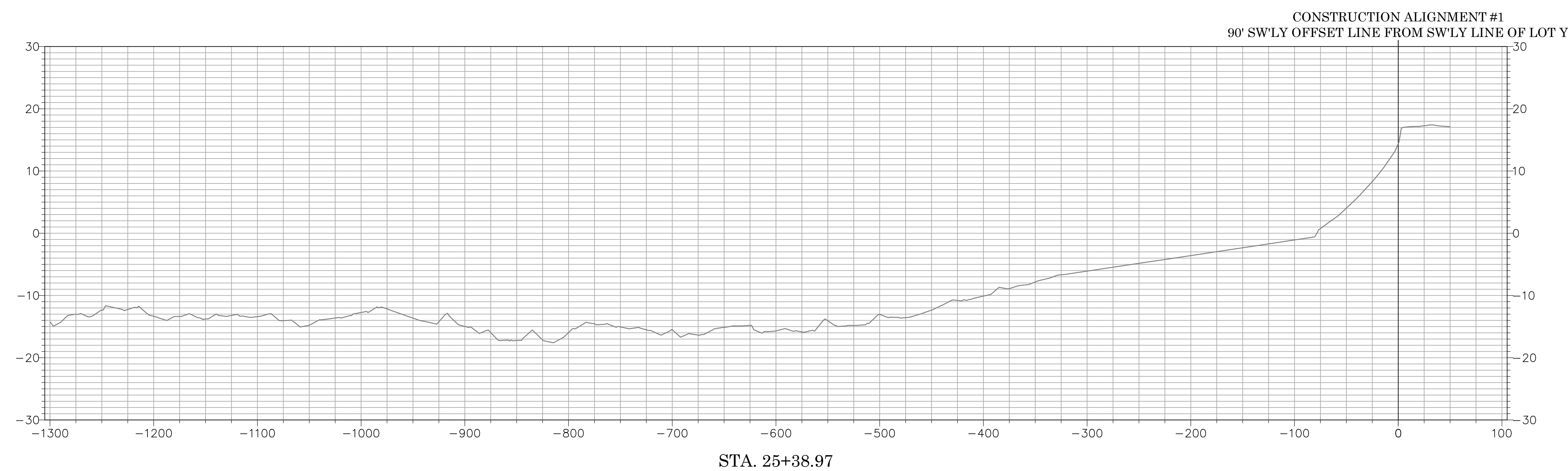
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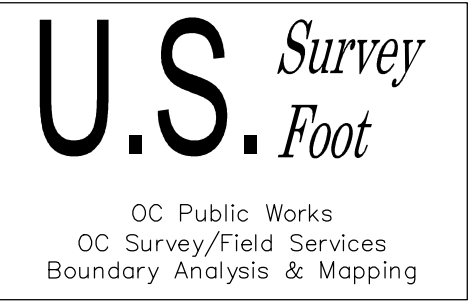
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			CAPISTRANO BEACH NATURE BASED SHORELINE PROJECT			
			CROSS SECTIONS			
			PROJECT LIMITS: FROM SE'LY FROM THE BEACH RD AND POH INTERSECTION TO APPROX. 1400' NW'LY OF SAID INTERSECTION			
			DATE OF SURVEY: 09/19/2024	BY: J. RUSSO & PARTY	SHEET NO. 16 of 17	
			MAPPING	BY: J. PEDRETTI		
			OFFICE CHECK	BY: E. MEDINA, PLS		
			FIELD CHECK	BY: J. RUSSO & PARTY		
MARK	DATE	ITEM	SCALE: 1" = 40'	W.O. #EX41918S	FILE #2425PW-ENG0003	
REVISIONS			FILE: CAPO_SHORELINE_SECTIONS_2024.DWG			



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MARK	DATE	ITEM	COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			CAPISTRANO BEACH NATURE BASED SHORELINE PROJECT				
			CROSS SECTIONS				
			PROJECT LIMITS: FROM SE'LY FROM THE BEACH RD AND POB				
			INTERSECTION TO APPROX. 1400' NW'LY OF SAID INTERSECTION				
			DATE OF SURVEY: 09/19/2024		BY: J. RUSSO & PARTY		SHEET NO. 17 of 17
			MAPPING		BY: J. PEDRETTI		
			OFFICE CHECK		BY: E. MEDINA, PLS		
			FIELD CHECK		BY: J. RUSSO & PARTY		
			SCALE: 1" = 40'		W.O. #EX419185		FILE #2425PW-ENG0003
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