

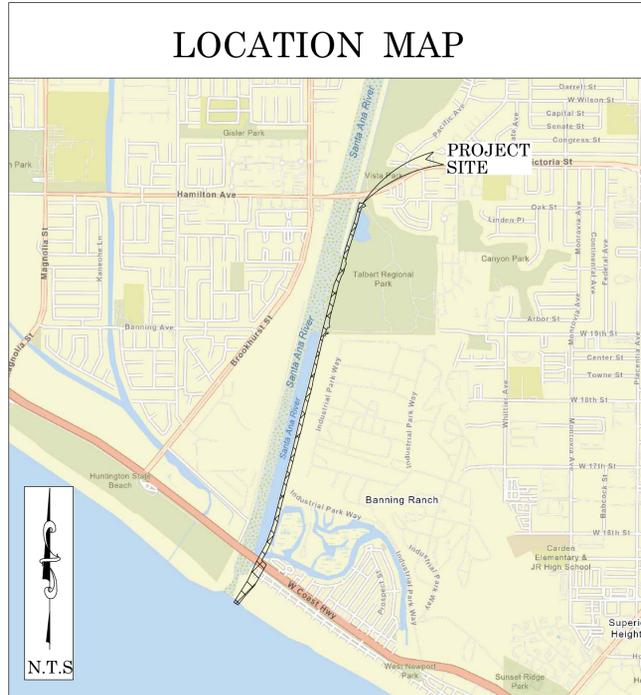


OC PUBLIC WORKS DEPARTMENT

KEVIN ONUMA, DIRECTOR OF PUBLIC WORKS

SANTA ANA RIVER (E01)

FENCE REHABILITATION



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 "TRAK" AND "FVPK" BEING NORTH 67°14'53.47" WEST 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 1.00002740.

THIS COMBINATION FACTOR WAS HELD AT: CP# 4115
N: 2177600.08 E: 6041681.25 EL: 10.77'

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

VERTICAL DATUM

MEAN LOWER-LOW WATER (MLLW), PER NOAA TIDE STATION 9410580 - NEWPORT BAY ENTRANCE, TIDAL EPOCH 1983-2001.

OCS BM 1L-99-91 ELEV. = 24.742' YEAR LEVELED 2005 NAVD 88 (OCS 1995 ADJUSTMENT) + 0.18' = 24.922' MLLW

DESCRIPTION: FOUND 3 3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "1L-99-91", SET IN THE WEST END OF A CONCRETE BRIDGE ABUTMENT. MONUMENT IS LOCATED IN THE NORTHWEST CORNER OF THE INTERSECTION OF PACIFIC COAST HIGHWAY AND THE SANTA ANA RIVER CROSSING, 52 FT. WESTERLY OF THE CENTERLINE OF PCH AND AT THE WESTERLY END OF THE NORTHERLY BRIDGE ABUTMENT. MONUMENT IS SET LEVEL WITH THE BIKE TRAIL.

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 AND RIGHT OF WAY HEREON WAS ESTABLISHED WITHOUT THE BENEFIT OF A TITLE REPORT, FURTHER INVESTIGATION MAY BE NECESSARY.

SHEET INDEX

SHEET NO.	DESCRIPTION
SHEET 1	TITLE SHEET
SHEET 2-9	BOUNDARY MAP
SHEET 10-26	TOPOGRAPHIC MAP
SHEET 27	SECTION

BASIS OF STATIONING

THE BASIS OF STATIONING FOR THE BEGINNING OF THE SANTA ANA RIVER ALIGNMENT SHOWN HEREON IS 6+50 PER RECORD DRAWINGS E01-101-29R.

PURPOSE OF SURVEY

THE PURPOSE OF THE SURVEY IS TO PROVIDE TOPOGRAPHY AND RIGHT OF WAY ESTABLISHMENT FOR A FENCE REHABILITATION 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 15 DAY OF JANUARY, 2026.

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 15 DAY OF JANUARY, 2026.

Tate Loggreen

TATE LOGGREEN, PLS. SENIOR LAND SURVEYOR



TOPOGRAPHIC MAPPING PROJECT

		COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION / SURVEY-FIELD SERVICES		SANTA ANA RIVER (E01) FENCE REHABILITATION
		TITLE SHEET		
△	12/10/25	UPDATED RIGHT OF WAY AND PROVIDE CROSS SECTION UNDER BRIDGE AT PCH	BY: E. HERTZ & CREW	SHEET NO. 1 of 27
		MARK	DATE	
REVISIONS		SCALE: N.T.S.	W.O. #EF21489	FILE #2526PW-CM0006
		FILE: SANTA ANA RIVER REHAB_TOPO_2025.DWG		

MONUMENT NOTES

- 1 FOUND MAG NAIL AND WASHER STAMPED "CALTRANS" PER R37, FLUSH IN AC, ACCEPTED AS TIE TO THE CENTERLINE OF PACIFIC COAST HIGHWAY.
- 2 FOUND LEAD TACK AND 3/4" TAG STAMPED "CALTRANS" PER R37, FLUSH IN CONCRETE CURB, ACCEPTED AS TIE TO THE CENTERLINE OF PACIFIC COAST HIGHWAY.
- 3 FOUND SPIKE AND WASHER STAMPED "ORANGE COUNTY SURVEYOR GPS 5012R10" PER R34, FLUSH IN AC, ACCEPTED AS THE INTERSECTION OF HAMILTON AVE. AND BUSHARD ST..
- 4 FOUND PUNCHED HEX BAR IN WELL MONUMENT NO REF, AS SHOWN ON R35, DOWN 1.1', ACCEPTED AS THE CENTERLINE INTERSECTION OF HAMILTON AVE. AND BROOKHURST ST..
- 5 FOUND LEAD TACK AND TAG STAMPED "OCS TIE" PER R30, FLUSH IN CONCRETE, ACCEPTED AS POINT ON THE CENTERLINE OF VICTORIA ST.
- 6 FOUND LEAD TACK AND TAG STAMPED "OCS TIE" PER R30, FLUSH IN CONCRETE, ACCEPTED AS POINT ON THE CENTERLINE OF VICTORIA ST.
- 7 FOUND LEAD TACK AND TAG STAMPED "OCS TIE" PER R30, FLUSH IN CONCRETE, ACCEPTED AS POINT ON THE CENTERLINE OF VICTORIA ST.
- 8 FOUND LEAD TACK AND TAG STAMPED "ORANGE COUNTY SURVEYOR" PER R30, ACCEPTED AS THE CENTERLINE BC OF VICTORIA ST.
- 9 FOUND LEAD TACK AND TAG STAMPED "OCS TIE" PER R64, FLUSH ON CONCRETE CURB, ACCEPTED AS TIE FOR THE CENTERLINE OF HAMILTON AVE.
- 10 FOUND HOLLOW 2" IRON PIPE NO REFERENCE, DOWN 0.10' IN DIRT N69°47'49"E 0.22' FROM POINT "W" PER R55.
- 11 FOUND 2-1/2" BRASS DISK IN CONCRETE STAMPED "S 35 00 E 15 00 HOMER R DULIN L.S. 2037" PER R8, DOWN 0.1'
- 12 FOUND 2" IRON PIPE AND BRASS TAG IN WELL MONUMENT PER R32, DOWN 1.4', ACCEPTED AS THE CENTERLINE INTERSECTION OF ATLANTA AVE. AND BROOKHURST ST.
- 13 FOUND MAG NAIL AND TAG STAMPED "CITY OF HB" IN WELL MONUMENT PER R33, DOWN 0.9', ACCEPTED AS THE CENTERLINE INTERSECTION OF ATLANTA AVE. AND SURGE LANE.
- 14 FOUND 2" IRON PIPE AND TAG STAMPED "OCS" PER R59, FLUSH IN DIRT, ACCEPTED AS POINT ON THE W'LY RIGHT OF WAY OF SANTA ANA RIVER, N14°18'45"W 0.18' FROM THE INTERSECTION OF THE CENTERLINE OF ATLANTA AVE. AND W'LY RIGHT OF WAY OF SANTA ANA RIVER PER R68.
- 15 FOUND 2" IRON PIPE AND NAIL, NO REFERENCE, FLUSH IN DIRT, ACCEPTED AS POINT ON THE CENTERLINE OF ATLANTA AVE.
- 19 FOUND SPIKE & 1 1/2" WASHER STAMPED "LS 4653" IN LIEU OF O.C.S. SPIKE & WASHER PER R6, FLUSH IN AC, ACCEPTED AS THE CENTERLINE INTERSECTION OF SEASHORE DR. & HIGHLAND ST.
- 20 FOUND 2" BRASS DISK PER R6, DN 0.8' IN WELL MONUMENT, ACCEPTED AS THE CENTERLINE INTERSECTION OF SEASHORE DR. & NORDINA ST.
- 21 FOUND SQUARE HEAD SPIKE PER R7, DN 0.1' IN AC, ACCEPTED AS THE CENTERLINE INTERSECTION OF SEASHORE DR. & SONORA ST.
- 22 FOUND 2" BRASS DISK PER R7, DN 1.0' IN WELL MONUMENT, ACCEPTED AS THE CENTERLINE INTERSECTION OF SEASHORE DR. & OLIVE ST.
- 23 FOUND 1" I.P. W/ TACK & TAG STAMPED "LS 2312" PER R8, DN 1.2' IN SAND, ACCEPTED AS SW'LY CORNER OF LOT 4 OF R9.
- 24 FOUND 2" I.P. W/ TAG STAMPED "ORANGE COUNTY SURVEYOR" PER R2, DN 0.6' IN SAND, ACCEPTED AS ANGLE POINT ON THE NW'LY LINE OF SANTA ANA RIVER PER R2.
- 25 FOUND LEAD AND TACK WITH 1-1/2" TAG STAMPED OCS NO REFERENCE, FLUSH IN CONCRETE SIDEWALK ON BRIDGE DECK.
- 26 FOUND 1 1/2" I.P. W/ TAG STAMPED "ORANGE COUNTY SURVEYOR" PER R2, DN 0.5' IN SAND, ACCEPTED AS POINT ON THE NW'LY LINE OF SANTA ANA RIVER PER R2.
- 27 FOUND LEAD & 1 1/2" TAG STAMPED "ORANGE COUNTY SURVEYOR" PER R2, FLUSH IN SIDEWALK, ACCEPTED AS ANGLE POINT ON THE NE'LY LINE OF SANTA ANA RIVER PER R2.
- 28 FOUND LEAD & 1 1/2" TAG STAMPED "ORANGE COUNTY SURVEYOR" PER R2, FLUSH IN CONC, ACCEPTED AS ANGLE POINT ON THE NE'LY LINE OF SANTA ANA RIVER PER R2.
- 29 FOUND 2" I.P. W/ TAG STAMPED "ORANGE COUNTY SURVEYOR" PER R2, DN 0.6' IN SAND, ACCEPTED AS ANGLE POINT ON THE NW'LY LINE OF SANTA ANA RIVER PER R2.
- 30 FOUND 2" IP & 3/4 INCH BRASS TAG "LS 4599" PER RS 91-1012, RSB 158/44, DOWN 1.2' IN DIRT N11°24'1"E 0.39' PERPENDICULAR TO THE CL OF CANAL ST.
- 31 FD MAG SPIKE & 1-1/2 INCH STEEL WASHER "LS 5411" PER CORNER RECORD CR-2006-0975, FLUSH IN AC, ACCEPTED AS THE CENTERLINE PI OF CANAL ST. PER RECORD OF SURVEY RS 91-1042, RSB 148/44.
- 32 FOUND 2" IRON PIPE WITH BRASS NAIL & 1-1/2 INCH TAG STAMPED "OCS" PER R69, DOWN 0.30' IN DIRT, N14°18'45"W 0.12' FROM THE CENTERLINE OF ADAMS ST., ACCEPTED AS A POINT ON THE NW'LY R/W OF THE SANTA ANA RIVER PER R68.
- 33 FOUND LEAD-BRASS NAIL & 1-1/4" TAG STAMPED 'OCS' PER R67, FLUSH IN CONCRETE DRIVEWAY, ACCEPTED AS A POINT ON THE W'LY R/W OF THE SANTA ANA RIVER PER R68.
- 34 FOUND LEAD-BRASS NAIL & 1-1/4" TAG STAMPED 'OCS' PER R67, FLUSH IN CONCRETE DRIVEWAY, ACCEPTED AS A POINT ON THE W'LY R/W OF THE SANTA ANA RIVER PER R68.
- 35 FOUND 2" IRON PIPE WITH BRASS NAIL & 3/4 INCH TAG, NO STAMPING PER CITY TIES HB-133, DN. 1.30' IN TRIANGULAR WELL MARKED "WATER", ACCEPTED AS THE CENTERLINE INTERSECTION OF BROOKHURST ST. AND ADAMS ST.
- 36 FOUND LEAD-BRASS NAIL & 3/4" TAG NO STAMPING PER R64 HOLDING A 1-1/2" TAG STAMPED 'OCS' PER R69, FLUSH IN CONC. MEDIAN ISLAND, N14°18'45"W 0.09' FROM THE INTERSECTION OF THE CENTERLINE OF ADAMS ST., ACCEPTED AS A POINT ON THE CENTERLINE OF THE SANTA ANA RIVER PER R68.
- 37 FOUND 2" PUNCHED BRASS DISK DN. 1.50' IN CITY OF COSTA MESA WELL MONUMENT HAND HOLE AS SHOWN ON (R63) & (R47), ACCEPTED AS A POINT ON THE CENTERLINE OF ADAMS AVE. DID NOT ESTABLISH POSITION RELATIVE TO SHANTAR DR.
- 38 FOUND 2" PUNCHED BRASS DISK DN. 1.30' IN CITY OF COSTA MESA WELL MONUMENT HAND HOLE PER (R32), ACCEPTED AS THE CENTERLINE INTERSECTION OF ALBATROSS DR. & ADAMS AVE.

NOTES

ALL BOUNDARY LINES NOT SHOWN IN BOLD ARE FOR GRAPHICAL REPRESENTATION ONLY.

RECORD DISTANCES SHOWN HEREON ARE AS THEY APPEAR ON THE DOCUMENT OF RECORD. DISTANCES MAY BE EITHER GRID OR GROUND, AS PER SAID RECORD.

RIGHT OF WAY SHOWN WAS ESTABLISHED FROM RECOVERED CENTERLINE MONUMENTS, HOWEVER, A TITLE REPORT WAS NOT OBTAINED.

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 "TRAK" AND "FVPK" BEING NORTH 67°14'53.47" 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 DISTANCE MULTIPLY A GRID DISTANCE BY 1.00002740.

COMBINATION FACTOR WAS HELD AT POINT NUMBER 4115 N:2177600.04', E:6041681.20', ELEVATION= 10.6'

RECORD DISTANCES SHOWN HEREON ARE AS THEY APPEAR ON THE DOCUMENT OF RECORD. DISTANCES MAY BE EITHER GRID OR GROUND, AS PER SAID RECORD.

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

ESTABLISHMENT NOTES

- A ESTABLISHED BY TIES, MONUMENT WELL LIES IN ACTIVE TRAVEL LANE, THE CENTERLINE INTERSECTION OF PACIFIC COAST HWY. WITH BROOKHURST ST. PER R40.
- B SFN, ESTABLISHED BY TIES , PER R37 AND R41.
- C ESTABLISHED THE NE'LY RIGHT OF WAY THE PACIFIC COAST HIGHWAY SE'LY BETWEEN MONUMENT NOTE 30 AND THE SE'LY RIGHT OF WAY OF SUMMIT ST. PARALLEL A RECORD DISTANCE OF 100.00' AS SHOWN ON R4 WITH THE NE'LY LINE OF THE SOUTHERN PACIFIC RAILROAD PER DEED 12544/772 O.R. TO THE ORANGE COUNTY FLOOD CONTROL DISTRICT.
- D ESTABLISHED THE W'LY RIGHT OF WAY OF THE SANTA ANA RIVER BETWEEN ESTABLISHMENT NOTES A AND C.
- E ESTABLISHED THE CENTERLINE BC OF PACIFIC COAST HWY. NW'LY FROM ESTABLISHMENT NOTE D HOLDING A RECORD RADIUS OF 5000.00', PER R1 AND PERPENDICULAR TO MONUMENT NOTE 11 PER R37.
- F ESTABLISHED THE CENTERLINE EC OF PACIFIC COAST HWY. NW'LY FROM ESTABLISHMENT NOTE C AND PERPENDICULAR TO MONUMENT NOTE 11 PER R37.
- G ESTABLISHED THE CENTERLINE BC OF PACIFIC COAST HWY. NW'LY FROM ESTABLISHMENT NOTE D HOLDING A RECORD RADIUS OF 4000.00' PER R1 AND PERPENDICULAR TO MONUMENT NOTE 12 PER R37.
- H ESTABLISHED THE CENTERLINE EC OF PACIFIC COAST HWY. NW'LY FROM ESTABLISHMENT NOTE B AND PERPENDICULAR TO MONUMENT NOTE 2 PER R37.
- I ESTABLISHED BY INTERSECTION OF THE S'LY PROLONGATION OF LINE ESTABLISHMENT NOTE B WITH LINE ESTABLISHMENT NOTE D.
- J ESTABLISHED A POINT ON THE OLD CENTERLINE OF PACIFIC COAST HWY. (P.C.H.) A RECORD DISTANCE OF 11.50', PER R1 SW'LY FROM ESTABLISHMENT NOTE D ALONG THE SW'LY PROLONGATION OF THE APPARENT CENTERLINE OF BROOKHURST ST. BETWEEN MONUMENT NOTE 2 AND ESTABLISHMENT NOTE A.
- K ESTABLISHED THE BC OF THE OLD CENTERLINE OF P.C.H. HOLDING A RECORD DISTANCE OF 1946.41', PER R1 SE'LY FROM ESTABLISHMENT NOTE D.
- L ESTABLISHED THE PRC OF THE CENTERLINE OF OLD P.C.H. HOLDING A RECORD RADIUS (R=1013.27'), DELTA (Δ = 8°00'42") AND ARC LENGTH (L=141.69'), PER R1 CONCAVE NE'LY AND ALONG SAID CURVE SE'LY FROM ESTABLISHMENT NOTE D.
- M ESTABLISHED THE EC OF THE CENTERLINE OF OLD P.C.H. HOLDING A RECORD RADIUS (R=1013.27'), DELTA (Δ = 8°00'42") AND ARC LENGTH (L=141.69'), PER R1 CONCAVE SW'LY AND ALONG SAID CURVE SE'LY FROM ESTABLISHMENT NOTE D.
- N ESTABLISHED THE INTERSECTION OF THE CONSTRUCTION CENTERLINE OF THE SANTA ANA RIVER WITH THE OLD CENTERLINE OF P.C.H. BY HOLDING A RECORD DISTANCE OF 340.30', PER R2 SE'LY AND PARALLEL WITH THE CENTERLINE OF P.C.H. A RECORD DISTANCE OF 27.50', PER R1 FROM ESTABLISHMENT NOTE D.
- O ESTABLISHED THE PI OF THE OLD CENTERLINE OF P.C.H. BY HOLDING A RECORD DISTANCE OF 905.18', PER R1 SE'LY AND PARALLEL WITH THE CENTERLINE OF P.C.H. A RECORD DISTANCE OF 27.50', PER R1 FROM ESTABLISHMENT NOTE D.
- P ESTABLISHED THE OLD CENTERLINE OF P.C.H. BETWEEN ESTABLISHMENT NOTES D AND C.
- Q ESTABLISHED THE CENTERLINE OF P.C.H. BY HOLDING LINE BETWEEN ESTABLISHMENT NOTES D AND B.
- R SFN, ESTABLISHED BY TIES PER R31 ACCEPTED AS THE EC OF THE CENTERLINE OF VICTORIA ST.
- S SFN, ESTABLISHED BY TIES PER R31 ACCEPTED AS A POINT ALONG THE TANGENT OF THE CENTERLINE OF VICTORIA ST.
- T SFN, ESTABLISHED BY TIES, PER R64 ACCEPTED AS A POINT ON CENTERLINE OF HAMILTON AVE.
- U SFN, ESTABLISHED BY TIES, PER R64 THE INTERSECTION OF THE CONSTRUCTION CENTERLINE OF THE SANTA ANA RIVER WITH THE CENTERLINE OF HAMILTON AVENUE.
- V SFN, ESTABLISHED BY TIES, PER R64 ACCEPTED AS A POINT ON CENTERLINE OF HAMILTON AVE.
- W ESTABLISHED THE CENTERLINE OF VICTORIA ST. BETWEEN ESTABLISHMENT NOTES D AND C.
- X ESTABLISHED THE CENTERLINE OF HAMILTON AVE. BETWEEN MONUMENT NOTES 8 AND 5, PASSING THROUGH MONUMENT NOTES 6 AND 7.
- Y ESTABLISHED THE CENTERLINE OF VICTORIA ST. BY HOLDING RECORD RADIUS OF 1800.00' , PER R64 BETWEEN LINE ESTABLISHMENTS D AND D.
- Z SFN, ESTABLISHED THE PI OF THE CENTERLINE OF HAMILTON AVE. A RECORD DISTANCE OF 47.00', PER R3 E'LY FROM MONUMENT NOTE 4 ALONG THE E'LY PROLONGATION OF LINE ESTABLISHMENT D.
- A1 SFN, ESTABLISHED THE PI OF THE CENTERLINE OF HAMILTON AVE. A RECORD DISTANCE OF 10.43', PER R35. W'LY FROM ESTABLISHMENT NOTE D ALONG THE W'LY PROLONGATION OF A LINE BETWEEN ESTABLISHMENT NOTES D AND D.
- A2 ESTABLISHED THE CENTERLINE OF HAMILTON AVE. BETWEEN ESTABLISHMENT NOTES D AND C.
- A3 ESTABLISHED THE CENTERLINE OF ATLANTA AVE. BETWEEN MONUMENT NOTES 13 AND 15.
- A4 ESTABLISHED THE CENTERLINE PI OF HAMILTON AVENUE BY HOLDING A RECORD DISTANCE OF 857.19', PER R48 E'LY FROM MONUMENT NOTE 4 ALONG LINE ESTABLISHMENT D.
- A5 ESTABLISHED THE PI OF VICTORIA ST. BY HOLDING A RECORD DISTANCE OF 558.96' PER R63 E'LY FROM ESTABLISHMENT NOTE D AND BY HOLDING A RECORD DEFLECTION ANGLE OF 11°22'15", PER R42 FROM LINE ESTABLISHMENT D.
- A6 ESTABLISHED THE CENTERLINE OF VICTORIA ST. NE'LY FROM ESTABLISHMENT NOTE D BY HOLDING A RECORD DEFLECTION ANGLE OF 14°41'00", PER R42, FROM LINE ESTABLISHMENT D.
- A7 ESTABLISHED THE CENTERLINE OF VICTORIA ST. BY HOLDING A RECORD RADIUS OF 2000.00' PER R42 BETWEEN LINE ESTABLISHMENTS D AND D.
- A8 ESTABLISHED THE CENTERLINE OF VICTORIA ST. BY HOLDING A RECORD RADIUS OF 800.00', PER R42 BETWEEN LINE ESTABLISHMENTS D AND D.
- A9 ESTABLISHED THE CENTERLINE OF VICTORIA ST. BY HOLDING A RECORD RADIUS OF 1000.00', PER R42 BETWEEN LINE ESTABLISHMENTS D AND D.
- A10 ESTABLISHED THE CENTERLINE OF VICTORIA ST. BETWEEN ESTABLISHMENT NOTES D AND D.
- A11 ESTABLISHED THE CENTERLINE OF HAMILTON AVENUE BY THE E'LY PROLONGATION OF LINE ESTABLISHMENT D FROM MONUMENT NOTE 4.
- A12 ESTABLISHED THE CENTERLINE OF ADAMS ST. BETWEEN MONUMENT NOTES 33 AND 37.
- A13 ESTABLISHED THE CENTERLINE INTERSECTION OF THE CONSTRUCTION CENTERLINE OF THE SANTA ANA RIVER WITH THE CENTERLINE OF ADAMS ST. BY HOLDING A RECORD DISTANCE OF 245.52', PER R7 E'LY FROM MONUMENT NOTE 20 ALONG LINE ESTABLISHMENT D.
- A14 ESTABLISHED THE W'LY RIGHT OF WAY OF THE SANTA ANA RIVER BETWEEN MONUMENT NOTES 33 AND 14 PASSING THROUGH MONUMENT NOTES 32 AND 34.
- A15 ESTABLISHED THE INTERSECTION OF THE W'LY RIGHT OF WAY OF THE SANTA ANA RIVER WITH THE CENTERLINE OF HAMILTON AVE. BETWEEN LINE ESTABLISHMENTS D AND D.
- A16 ESTABLISHED PI #2 A RECORD DISTANCE OF 481.38', PER R2, NE'LY FROM ESTABLISHMENT NOTE D.
- A17 ESTABLISHED THE CONSTRUCTION CENTERLINE OF THE SANTA ANA RIVER BETWEEN ESTABLISHMENT NOTES D AND D AND ITS SW'LY PROLONGATION.
- A18 ESTABLISHED PI #1 OF THE CONSTRUCTION CENTERLINE OF THE SANTA ANA RIVER BY HOLDING A RECORD DISTANCE OF 1059.79', PER R64 FROM ESTABLISHMENT NOTE D ALONG THE SW'LY PROLONGATION OF LINE ESTABLISHMENT D.
- A19 ESTABLISHED PI #3 OF THE CONSTRUCTION CENTERLINE OF THE SANTA ANA RIVER BY HOLDING A RECORD DISTANCE OF 11416.36' PER R64 N'LY FROM ESTABLISHMENT NOTE D AND BY HOLDING A RECORD DEFLECTION ANGLE OF 13°49'38", PER R38 N'LY FROM LINE ESTABLISHMENT D.
- A20 ESTABLISHED THE CONSTRUCTION CENTERLINE OF THE SANTA ANA RIVER (E01) BETWEEN ESTABLISHMENT NOTES D AND D PASSING THROUGH ESTABLISHMENT NOTE D.
- A21 ESTABLISHED THE CONSTRUCTION CENTERLINE OF THE SANTA ANA RIVER (E01) BY HOLDING A RECORD RADIUS OF 2730.00', PER R38 BETWEEN LINE ESTABLISHMENTS D AND D.

- A22 SFN, ESTABLISHED THE ANGLE POINT IN THE W'LY LINE OF PARCEL E1-1a08.1 PER R50, HOLDING A RECORD DEFLECTION ANGLE OF 11°02'16" PER R2 SW'LY FROM MONUMENT NOTE 29 AND PASSING THROUGH MONUMENT NOTE 28.
- A23 SFN, ESTABLISHED THE W'LY MOST CORNER OF PARCEL E1-1a08.1 PER R50 BY HOLDING A RECORD DISTANCE OF 650.00 PER R2 SW'LY FROM ESTABLISHMENT NOTE D PASSING THROUGH MONUMENT NOTE 28.
- A24 SFN, ESTABLISHED THE NW'LY LINE OF BLOCK "N" PER R10 NE'LY FROM MONUMENT NOTE 23, PERPENDICULAR TO A LINE PASSING THROUGH MONUMENT NOTES 19, 20, 21 AND 22.
- A25 SFN, ESTABLISHED THE ANGLE POINT IN THE E'LY LINE OF PARCEL E1-1a08.1 PER R2 A RECORD DISTANCE OF 191.49' PER R2 SW'LY FROM MONUMENT NOTE 27. AND PARALLEL WITH LINE ESTABLISHMENT NOTE D.
- A26 ESTABLISHED THE N'LY MOST CORNER OF BLOCK N1 PER R10 BY INTERSECTION OF A LINE PERPENDICULAR TO THE LINE BETWEEN ESTABLISHMENT NOTE D AND MONUMENT NOTE 27 WITH LINE ESTABLISHMENT D PER R2.
- A27 ESTABLISHED THE SW'LY LINE OF THE LOS ANGELES INTER-URBAN RAILWAY AS DESCRIBED IN DEED BK 12544 PG 772 O.R. SE'LY FROM MONUMENT NOTE 23 PASSING THROUGH MONUMENT NOTE 24 AND PARALLEL WITH LINE ESTABLISHMENT D.
- A28 SFN, ESTABLISHED A POINT ON THE E'LY BOUNDARY LINE OF RANCHO LAS BOLSAS A RECORD DISTANCE OF 3.51' PER R2 NW'LY ALONG CURVE "C4" FROM ESTABLISHMENT NOTE D.
- A29 SFN, ESTABLISHED THE INTERSECTION OF THE SOUTH LINE OF LOT A OF THE BANNING TRACT LA BOOK 1/34-35, ALSO BEING THE W'LY PROLONGATION OF THE CENTERLINE OF 19TH STREET, AS SHOWN ON R59, BETWEEN MONUMENT NOTES AND , AND A LINE PARALLEL WITH AND AT A RECORD DISTANCE OF 480' E'LY FROM LINE ESTABLISHMENT , AS SHOWN ON R59.
- A30 SFN, ESTABLISHED THE N'LY MOST CORNER OF PARCEL 1 PER INST. 199200245763 O.R. AS SHOWN AS CITY OF NEWPORT BEACH PARCEL ON R6 AND R8 A RECORD DISTANCE OF 3038.73' PER R8, S'LY ALONG THE E'LY RIGHT OF WAY OF THE GREENVILLE BANNING CHANNEL FROM ESTABLISHMENT NOTE D AND PARALLEL A RECORD DISTANCE OF 480' AS SHOWN ON R59 WITH LINE ESTABLISHMENT D .
- A31 SFN, ESTABLISHED THE W'LY MOST CORNER OF A PORTION OF LOT 75 OF FAIRVIEW FARMS TRACT A RECORD DISTANCE OF 162.67' PER R61, E'LY ALONG LINE ESTABLISHMENT D FROM THE E'LY BC OF CURVE ESTABLISHMENT .
- A32 SFN, ESTABLISHED THE SE SEC. COR. OF T6S, R19W, PER R63 BY GRANT BOUNDARY ADJUSTMENT BETWEEN MONUMENT NOTES 57 AND 58, PER R63.
- A33 SFN, ESTABLISHED FROM TIES PER CORNER RECORD CR-2004-1979, ACCEPTED AS A POINT ON CENTERLINE OF CANAL ST.
- A34 SFN, ESTABLISHED FROM TIES PER CORNER RECORD CR-2006-0502, ACCEPTED AS A POINT ON CENTERLINE OF CANAL ST.
- A35 SFN, ESTABLISHED CORNER "SSA 120" AS SHOWN ON R6 BY THE PROLONGATION OF A LINE BETWEEN MONUMENT NOTE 31 AND ESTABLISHMENT NOTE D, E'LY A RECORD DISTANCE OF 281.53' PER R6

LEGEND

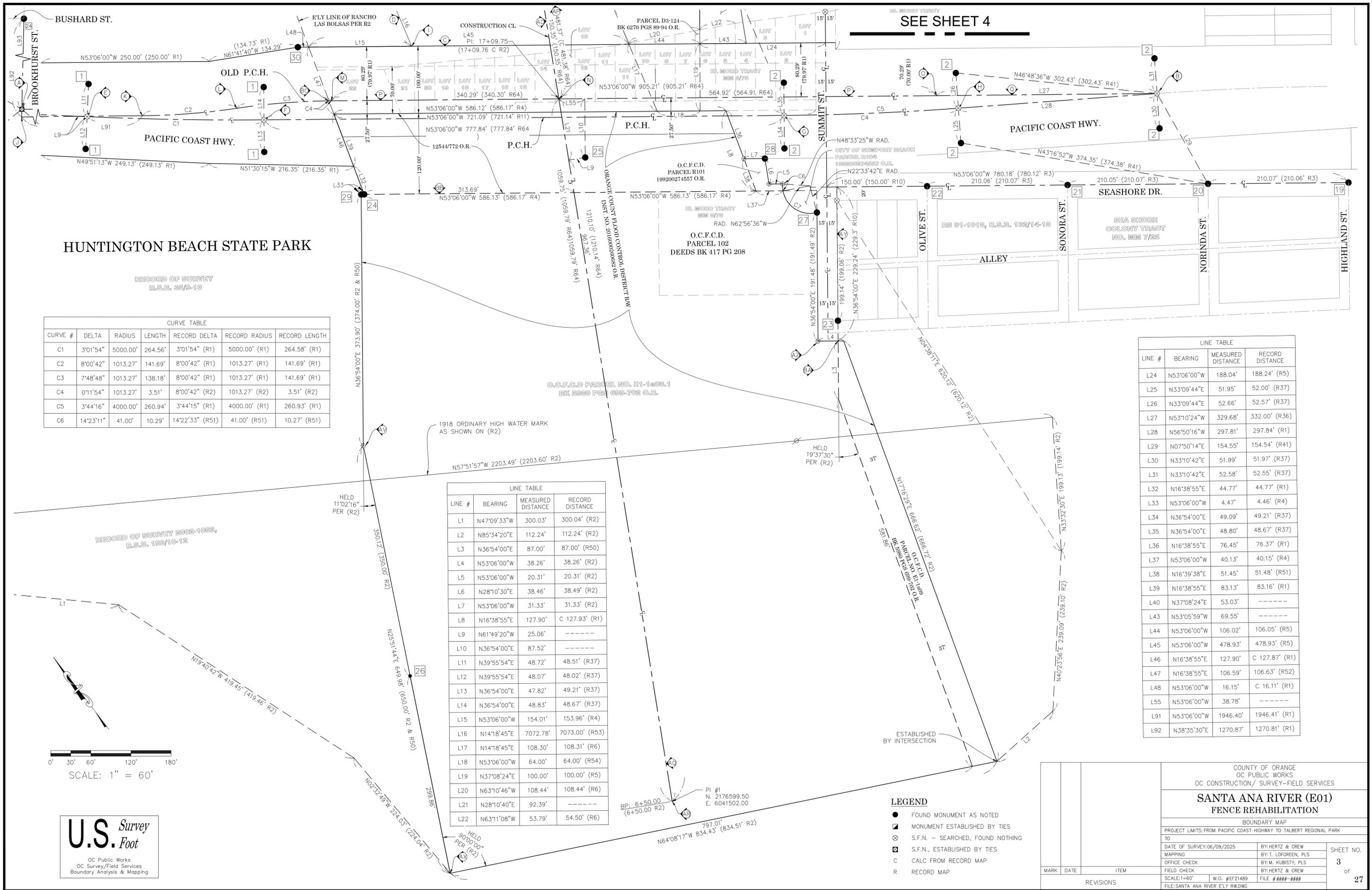
- FOUND MONUMENT AS NOTED
- MONUMENT ESTABLISHED BY TIES
- ⊗ S.F.N. - SEARCHED, FOUND NOTHING
- ⊠ S.F.N., ESTABLISHED BY TIES
- C CALC FROM RECORD MAP
- R RECORD MAP

REFERENCES

- (R1) = RECORD OF SURVEY RS 94-1003, RSB 147/6-13
- (R2) = RECORD OF SURVEY RS 2002-1092, RSB 193/10-12
- (R3) = RECORD OF SURVEY RS 81-1018, RSB 132/14-18
- (R4) = RECORD OF SURVEY RS 90-1152, RSB 156/1-6
- (R5) = RECORD OF SURVEY RS 87-1099, R.S.B. 121/32-36
- (R6) = RECORD OF SURVEY R.S.B. 65/31-36
- (R7) = RECORD OF SURVEY RS 89-1031, R.S.B. 121/40-43
- (R8) = RECORD OF SURVEY RS 90-1112, R.S.B. 135/5-6
- (R9) = RECORD OF SURVEY, R.S.B. 87/38-42
- (R10) = SEASHORE COLONY TRACT, MM 7/25
- (R11) = EL MORO TRACT, M.M. 8/75
- (R12) = TRACT 772, M.M. 23/5-6
- (R17) = TRACT NO. 5560, M.M. 215/23-28
- (R18) = TRACT NO. 9735, M.M. 416/23-25
- (R19) = TRACT MAP NO.5492, M.M. 238/43-44
- (R30) = COSTA MESA CONSTRUCTION PLANS, C.C.M. 77-8-4 (PER R63 AND R5)
- (R31) = COSTA MESA TIE BOOK, C.M.-T.B./1-18
- (R32) = CITY OF HUNTINGTON BEACH TIE BOOK, HB-133/ PG 3
- (R33) = CITY OF HUNTINGTON BEACH TIE BOOK, TT-54, PAGE 007291
- (R34) = O.C.S. ALIGNMENT NOTE A/6-11/53-54
- (R35) = O.C.S. ALIGNMENT NOTE A/6-10/29-33
- (R36) = CALTRANS SURVEY MAP NO. 000127-SM0034
- (R37) = CALTRANS SURVEY TIE NOTES BK 92-028-003
- (R38) = RECORD PER ARMY CORPS OF ENGINEERS ASBUILT E01-101-29R, D03-101-6R
- (R39) = CORNER RECORD CR 2005-0498B
- (R40) = CORNER RECORD CR 2019-0013
- (R41) = O.C.S. ALIGNMENT NOTE A/6-10/641-653
- (R42) = O.C.S. ALIGNMENT NOTE A/6-10/1-4
- (R43) = CORNER RECORD CR 2018-0434
- (R44) = CORNER RECORD CR 2002-1869
- (R45) = CORNER RECORD CR 2005-0847
- (R46) = CORNER RECORD CR 2002-1867
- (R47) = COSTA MESA TIE BOOK, C.M.-T.B./1-10
- (R48) = COUNTY SURVEYOR TIE BOOK CSTB 112/39-42
- (R50) = DEED 5980/699 O.R.
- (R51) = INSTRUMENT NO. 199200274557 O.R.
- (R52) = CALTRANS RIGHT OF WAY MAP SC-FMS-0036-011
- (R53) = INSTRUMENT 200401093324 O.R.
- (R54) = DEED 5993/441 O.R.
- (R55) = INSTRUMENT 91-455338 O.R.
- (R56) = SANTA ANA RIVER AD-A204-544/1-402, PG 347
- (R57) = INSTRUMENT NO. 199300007882 O.R.
- (R58) = INSTRUMENT NO. 199100254013 O.R.
- (R59) = RECORD OF SURVEY RS 90-1151, RSB 154/36-47
- (R60) = DEED 12269/328 O.R.
- (R61) = RECORD OF SURVEY RSB 36/29
- (R62) = COUNTY OF ORANGE RIGHT OF WAY MAP E01-R004_LEGACY
- (R63) = RECORD OF SURVEY RS 88-1023, R.S.B. 121/23-28
- (R64) = RECORD OF SURVEY RS 98-1026, R.S.B. 172/5-8
- (R65) = DEED 6660/865 O.R.
- (R66) = RECORD OF SURVEY RS 96-1093, R.S.B. 169/37-46
- (R67) = O.C.S. ALIGNMENT NOTE A/6-10/139-140
- (R68) = RECORD OF SURVEY R.S.B. 12/25-31
- (R69) = RECORD OF SURVEY RS 90-1056, R.S.B. 159/28-38
- (R70) = RECORD OF SURVEY RS 2012-1024, R.S.B. 263/21
- (R71) = COUNTY OF ORANGE RIGHT OF WAY MAP E01-R001_LEGACY



		COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES	
SANTA ANA RIVER (E01) FENCE REHABILITATION			
BOUNDARY MAP			
PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK			
TO			
DATE OF SURVEY: 06/09/2025	BY: HERTZ & CREW		SHEET NO. 2 of 27
MAPPING	BY: T. LOFGREEN, PLS		
OFFICE CHECK	BY: M. KUBISTY, PLS		
FIELD CHECK	BY: HERTZ & CREW		
SCALE: 1"=60'	W.O. #EF21489	FILE #####-####	
FILE: SANTA ANA RIVER E'LY RW.DWG			
MARK	DATE	ITEM	
REVISIONS			



SEE SHEET 4

HUNTINGTON BEACH STATE PARK

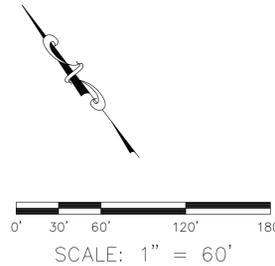
RECORD OF SURVEY
R.S.B. 36/9-13

CURVE TABLE						
CURVE #	DELTA	RADIUS	LENGTH	RECORD DELTA	RECORD RADIUS	RECORD LENGTH
C1	3°01'54"	5000.00'	264.56'	3°01'54" (R1)	5000.00' (R1)	264.58' (R1)
C2	8°00'42"	1013.27'	141.69'	8°00'42" (R1)	1013.27' (R1)	141.69' (R1)
C3	7°48'48"	1013.27'	138.18'	8°00'42" (R1)	1013.27' (R1)	141.69' (R1)
C4	0°11'54"	1013.27'	3.51'	8°00'42" (R2)	1013.27' (R2)	3.51' (R2)
C5	3°44'16"	4000.00'	260.94'	3°44'15" (R1)	4000.00' (R1)	260.93' (R1)
C6	14°23'11"	41.00'	10.29'	14°22'33" (R51)	41.00' (R51)	10.27' (R51)

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L1	N47°09'33"W	300.03'	300.04' (R2)
L2	N85°34'20"E	112.24'	112.24' (R2)
L3	N36°54'00"E	87.00'	87.00' (R50)
L4	N53°06'00"W	38.26'	38.26' (R2)
L5	N53°06'00"W	20.31'	20.31' (R2)
L6	N28°10'30"E	38.46'	38.49' (R2)
L7	N53°06'00"W	31.33'	31.33' (R2)
L8	N16°38'55"E	127.90'	C 127.93' (R1)
L9	N61°49'20"W	25.06'	-----
L10	N36°54'00"E	87.52'	-----
L11	N39°55'54"E	48.72'	48.51' (R37)
L12	N39°55'54"E	48.07'	48.02' (R37)
L13	N36°54'00"E	47.82'	49.21' (R37)
L14	N36°54'00"E	48.83'	48.67' (R37)
L15	N53°06'00"W	154.01'	153.96' (R4)
L16	N14°18'45"E	7072.78'	7073.00' (R53)
L17	N14°18'45"E	108.30'	108.31' (R6)
L18	N53°06'00"W	64.00'	64.00' (R54)
L19	N37°08'24"E	100.00'	100.00' (R5)
L20	N63°10'46"W	108.44'	108.44' (R6)
L21	N28°10'40"E	92.39'	-----
L22	N63°11'08"W	53.79'	54.50' (R6)

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L24	N53°06'00"W	188.04'	188.24' (R5)
L25	N33°09'44"E	51.95'	52.00' (R37)
L26	N33°09'44"E	52.66'	52.57' (R37)
L27	N53°10'24"W	329.68'	332.00' (R36)
L28	N56°50'16"W	297.81'	297.84' (R1)
L29	N07°50'14"E	154.55'	154.54' (R41)
L30	N33°10'42"E	51.99'	51.97' (R37)
L31	N33°10'42"E	52.58'	52.55' (R37)
L32	N16°38'55"E	44.77'	44.77' (R1)
L33	N53°06'00"W	4.47'	4.46' (R4)
L34	N36°54'00"E	49.09'	49.21' (R37)
L35	N36°54'00"E	48.80'	48.67' (R37)
L36	N16°38'55"E	76.45'	76.37' (R1)
L37	N53°06'00"W	40.13'	40.15' (R4)
L38	N16°38'55"E	51.45'	51.48' (R51)
L39	N16°38'55"E	83.13'	83.16' (R1)
L40	N37°08'24"E	53.03'	-----
L43	N53°05'59"W	69.55'	-----
L44	N53°06'00"W	106.02'	106.05' (R5)
L45	N53°06'00"W	478.93'	478.93' (R5)
L46	N16°38'55"E	127.90'	C 127.87' (R1)
L47	N16°38'55"E	106.59'	106.63' (R52)
L48	N53°06'00"W	16.15'	C 16.11' (R1)
L55	N53°06'00"W	38.78'	-----
L91	N53°06'00"W	1946.40'	1946.41' (R1)
L92	N38°35'30"E	1270.87'	1270.81' (R1)

RECORD OF SURVEY 2002-1002,
R.S.B. 198/10-12



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

- LEGEND**
- FOUND MONUMENT AS NOTED
 - ⊠ MONUMENT ESTABLISHED BY TIES
 - ⊗ S.F.N. - SEARCHED, FOUND NOTHING
 - ⊙ S.F.N., ESTABLISHED BY TIES
 - C CALC FROM RECORD MAP
 - R RECORD MAP

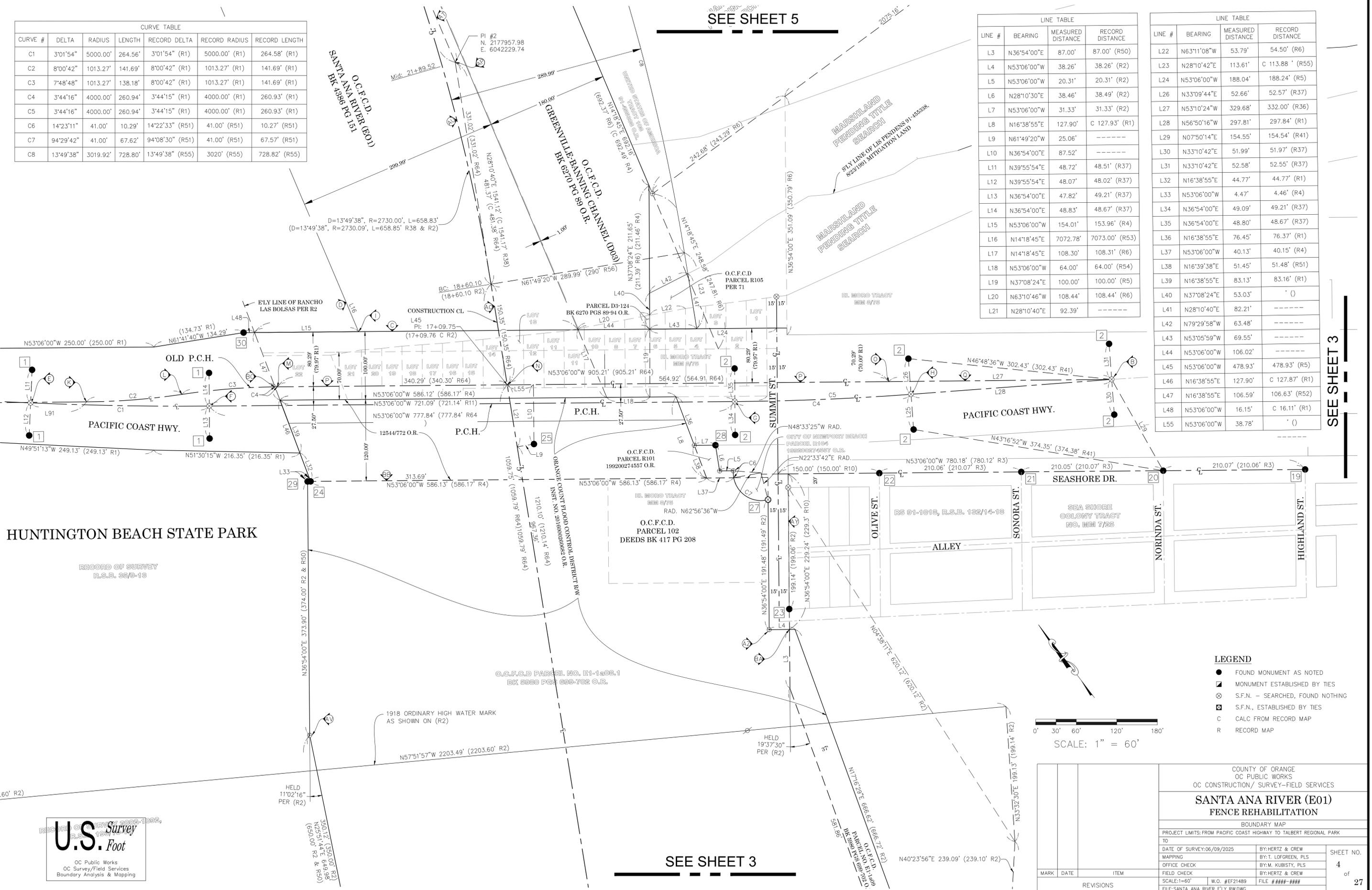
COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES		
SANTA ANA RIVER (E01) FENCE REHABILITATION		
BOUNDARY MAP		
PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK		
TO		
DATE OF SURVEY: 06/09/2025	BY: HERTZ & CREW	SHEET NO. 3 of 27
MAPPING	BY: T. LOGREEN, PLS	
OFFICE CHECK	BY: M. KUBISTY, PLS	FILE: #EP21489 FILE: #####
FIELD CHECK	BY: HERTZ & CREW	
SCALE: 1"=60'	W.O. #EP21489	
FILE: SANTA ANA RIVER ELY RWDWG		

CURVE TABLE						
CURVE #	DELTA	RADIUS	LENGTH	RECORD DELTA	RECORD RADIUS	RECORD LENGTH
C1	3°01'54"	5000.00'	264.56'	3°01'54" (R1)	5000.00' (R1)	264.58' (R1)
C2	8°00'42"	1013.27'	141.69'	8°00'42" (R1)	1013.27' (R1)	141.69' (R1)
C3	7°48'48"	1013.27'	138.18'	8°00'42" (R1)	1013.27' (R1)	141.69' (R1)
C4	3°44'16"	4000.00'	260.94'	3°44'15" (R1)	4000.00' (R1)	260.93' (R1)
C5	3°44'16"	4000.00'	260.94'	3°44'15" (R1)	4000.00' (R1)	260.93' (R1)
C6	14°23'11"	41.00'	10.29'	14°22'33" (R51)	41.00' (R51)	10.27' (R51)
C7	94°29'42"	41.00'	67.62'	94°08'30" (R51)	41.00' (R51)	67.57' (R51)
C8	13°49'38"	3019.92'	728.80'	13°49'38" (R55)	3020' (R55)	728.82' (R55)

SEE SHEET 5

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L3	N36°54'00"E	87.00'	87.00' (R50)
L4	N53°06'00"W	38.26'	38.26' (R2)
L5	N53°06'00"W	20.31'	20.31' (R2)
L6	N28°10'30"E	38.46'	38.49' (R2)
L7	N53°06'00"W	31.33'	31.33' (R2)
L8	N16°38'55"E	127.90'	C 127.93' (R1)
L9	N61°49'20"W	25.06'	-----
L10	N36°54'00"E	87.52'	-----
L11	N39°55'54"E	48.72'	48.51' (R37)
L12	N39°55'54"E	48.07'	48.02' (R37)
L13	N36°54'00"E	47.82'	49.21' (R37)
L14	N36°54'00"E	48.83'	48.67' (R37)
L15	N53°06'00"W	154.01'	153.96' (R4)
L16	N14°18'45"E	7072.78'	7073.00' (R53)
L17	N14°18'45"E	108.30'	108.31' (R6)
L18	N53°06'00"W	64.00'	64.00' (R54)
L19	N37°08'24"E	100.00'	100.00' (R5)
L20	N63°10'46"W	108.44'	108.44' (R6)
L21	N28°10'40"E	92.39'	-----

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L22	N63°11'08"W	53.79'	54.50' (R6)
L23	N28°10'42"E	113.61'	C 113.88' (R55)
L24	N53°06'00"W	188.04'	188.24' (R5)
L26	N33°09'44"E	52.66'	52.57' (R37)
L27	N53°10'24"W	329.68'	332.00' (R36)
L28	N56°50'16"W	297.81'	297.84' (R1)
L29	N07°50'14"E	154.55'	154.54' (R41)
L30	N33°10'42"E	51.99'	51.97' (R37)
L31	N33°10'42"E	52.58'	52.55' (R37)
L32	N16°38'55"E	44.77'	44.77' (R1)
L33	N53°06'00"W	4.47'	4.46' (R4)
L34	N36°54'00"E	49.09'	49.21' (R37)
L35	N36°54'00"E	48.80'	48.67' (R37)
L36	N16°38'55"E	76.45'	76.37' (R1)
L37	N53°06'00"W	40.13'	40.15' (R4)
L38	N16°39'38"E	51.45'	51.48' (R51)
L39	N16°38'55"E	83.13'	83.16' (R1)
L40	N37°08'24"E	53.03'	()
L41	N28°10'40"E	82.21'	-----
L42	N79°29'58"W	63.48'	-----
L43	N53°05'59"W	69.55'	-----
L44	N53°06'00"W	106.02'	-----
L45	N53°06'00"W	478.93'	478.93' (R5)
L46	N16°38'55"E	127.90'	C 127.87' (R1)
L47	N16°38'55"E	106.59'	106.63' (R52)
L48	N53°06'00"W	16.15'	C 16.11' (R1)
L55	N53°06'00"W	38.78'	()



HUNTINGTON BEACH STATE PARK

RECORD OF SURVEY
R.S.B. 38/8-13

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

- LEGEND**
- FOUND MONUMENT AS NOTED
 - MONUMENT ESTABLISHED BY TIES
 - ⊗ S.F.N. - SEARCHED, FOUND NOTHING
 - ⊠ S.F.N., ESTABLISHED BY TIES
 - C CALC FROM RECORD MAP
 - R RECORD MAP

SCALE: 1" = 60'

COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES		SANTA ANA RIVER (E01) FENCE REHABILITATION	
BOUNDARY MAP			
PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK			
TO			
DATE OF SURVEY: 06/09/2025	BY: HERTZ & CREW	SHEET NO.	
MAPPING	BY: T. LOGGREN, PLS	4	
OFFICE CHECK	BY: M. KUBISTY, PLS	of	
FIELD CHECK	BY: HERTZ & CREW	27	
SCALE: 1"=60'	W.O. #EF21489	FILE: #####	
REVISIONS			
MARK	DATE	ITEM	
FILE: SANTA ANA RIVER ELY RWDWG			

SEE SHEET 3

SEE SHEET 3

U.S. Survey Foot

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

LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L5	N53°06'00"W	20.31'	20.31' (R2)
L6	N28°10'30"E	38.46'	38.49' (R2)
L7	N53°06'00"W	31.33'	31.33' (R2)
L8	N16°38'55"E	127.90'	C 127.93' (R1)
L9	N61°49'20"W	25.06'	-----
L10	N36°54'00"E	87.52'	-----
L17	N14°18'45"E	108.30'	108.31' (R6)
L18	N53°06'00"W	64.00'	64.00' (R54)
L19	N37°08'24"E	100.00'	100.00' (R5)
L20	N63°10'46"W	108.44'	108.44' (R6)
L21	N28°10'40"E	92.39'	-----
L22	N63°11'08"W	53.79'	54.50' (R6)
L23	N28°10'42"E	113.61'	C 113.88' (R55)
L24	N53°06'00"W	188.04'	188.24' (R5)
L26	N33°09'44"E	52.66'	52.57' (R37)
L34	N36°54'00"E	49.09'	49.21' (R37)
L35	N36°54'00"E	48.80'	48.67' (R37)
L36	N16°38'55"E	76.45'	76.37' (R1)
L37	N53°06'00"W	40.13'	40.15' (R4)
L38	N16°39'38"E	51.45'	51.48' (R51)
L40	N37°08'24"E	53.03'	-----
L41	N28°10'40"E	82.21'	-----
L42	N79°29'58"W	63.48'	-----
L43	N53°05'59"W	69.55'	-----
L44	N53°06'00"W	106.02'	106.05' (R5)
L45	N53°06'00"W	478.93'	478.93' (R5)
L49	N88°47'19"W	137.71'	137.71' (R12)
L50	N53°06'00"W	777.84'	777.84" (R64)
L51	N53°06'00"W	721.09'	721.14' (R11)
L52	N53°06'00"W	586.12'	586.17' (R4)
L53	N75°41'15"W	97.38'	97.40' (R4)
L54	N75°41'15"W	97.82'	97.84' (R4)
L55	N53°06'00"W	38.78'	-----

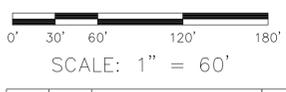
SEE SHEET 6

BANNING TRACT
LA BOOK 1/34-35

LEGEND

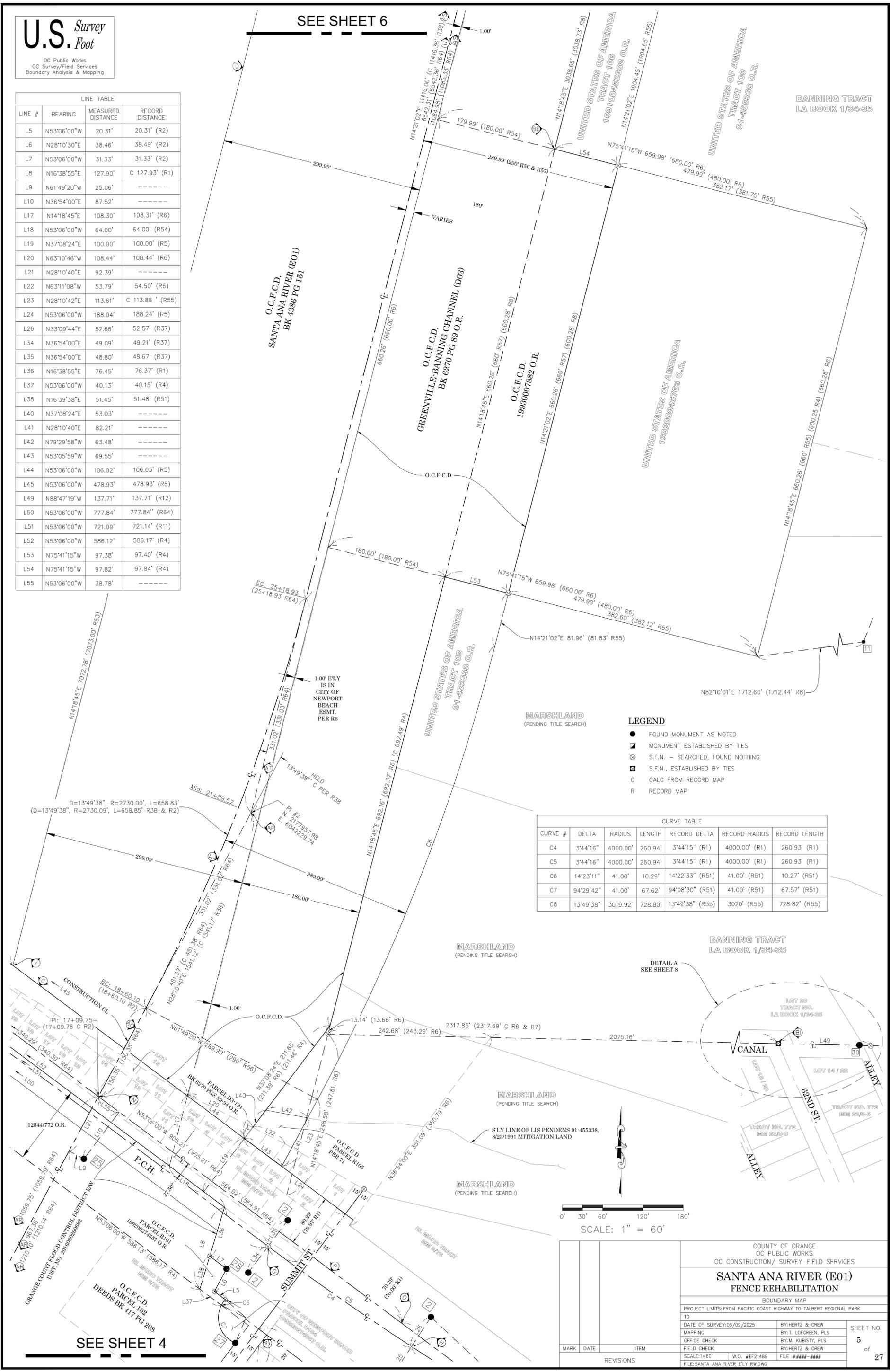
- FOUND MONUMENT AS NOTED
- MONUMENT ESTABLISHED BY TIES
- ⊗ S.F.N. - SEARCHED, FOUND NOTHING
- ⊠ S.F.N., ESTABLISHED BY TIES
- C CALC FROM RECORD MAP
- R RECORD MAP

CURVE #	DELTA	RADIUS	LENGTH	RECORD DELTA	RECORD RADIUS	RECORD LENGTH
C4	3°44'16"	4000.00'	260.94'	3°44'15" (R1)	4000.00' (R1)	260.93' (R1)
C5	3°44'16"	4000.00'	260.94'	3°44'15" (R1)	4000.00' (R1)	260.93' (R1)
C6	14°23'11"	41.00'	10.29'	14°22'33" (R51)	41.00' (R51)	10.27' (R51)
C7	94°29'42"	41.00'	67.62'	94°08'30" (R51)	41.00' (R51)	67.57' (R51)
C8	13°49'38"	3019.92'	728.80'	13°49'38" (R55)	3020' (R55)	728.82' (R55)

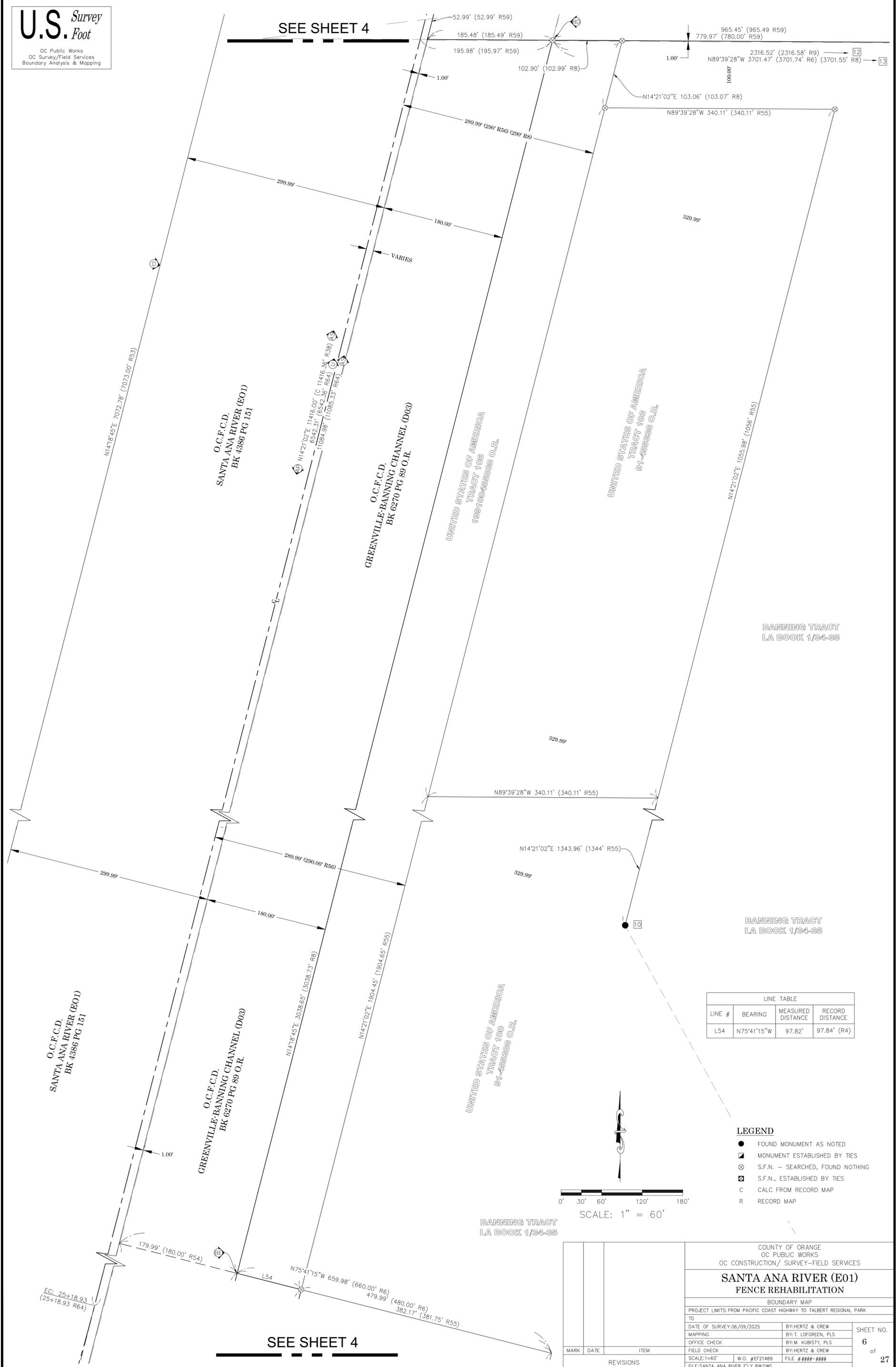


COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES		SANTA ANA RIVER (E01) FENCE REHABILITATION	SHEET NO. 5 of 27
BOUNDARY MAP PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK			
DATE OF SURVEY: 06/09/2025	BY: HERTZ & CREW		
MAPPING	BY: T. LOFGREEN, PLS		
OFFICE CHECK	BY: M. KUBISTY, PLS		
FIELD CHECK	BY: HERTZ & CREW		
SCALE: 1"=60'	W.O. #F21489	FILE #	####-####
FILE: SANTA ANA RIVER ELY RW.DWG			

SEE SHEET 4



SEE SHEET 4



LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L54	N75°41'15"W	97.82'	97.84' (R4)

- LEGEND**
- FOUND MONUMENT AS NOTED
 - MONUMENT ESTABLISHED BY TIES
 - ⊗ S.F.N. - SEARCHED, FOUND NOTHING
 - ⊠ S.F.N., ESTABLISHED BY TIES
 - C CALC FROM RECORD MAP
 - R RECORD MAP



EC 25+18.93
(25+18.93 R64)

SEE SHEET 4

MARK		DATE	ITEM
REVISIONS			
COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES			
SANTA ANA RIVER (E01) FENCE REHABILITATION			
BOUNDARY MAP			
PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK			
TO			
DATE OF SURVEY: 06/09/2025	BY: HERTZ & CREW		SHEET NO. 6
MAPPING	BY: T. LOFGREEN, PLS		
OFFICE CHECK	BY: M. KUBISTY, PLS		of 27
FIELD CHECK	BY: HERTZ & CREW		
SCALE: 1"=60'	W.O. #EF21489	FILE #	
FILE: SANTA ANA RIVER ELY RW.DWG			

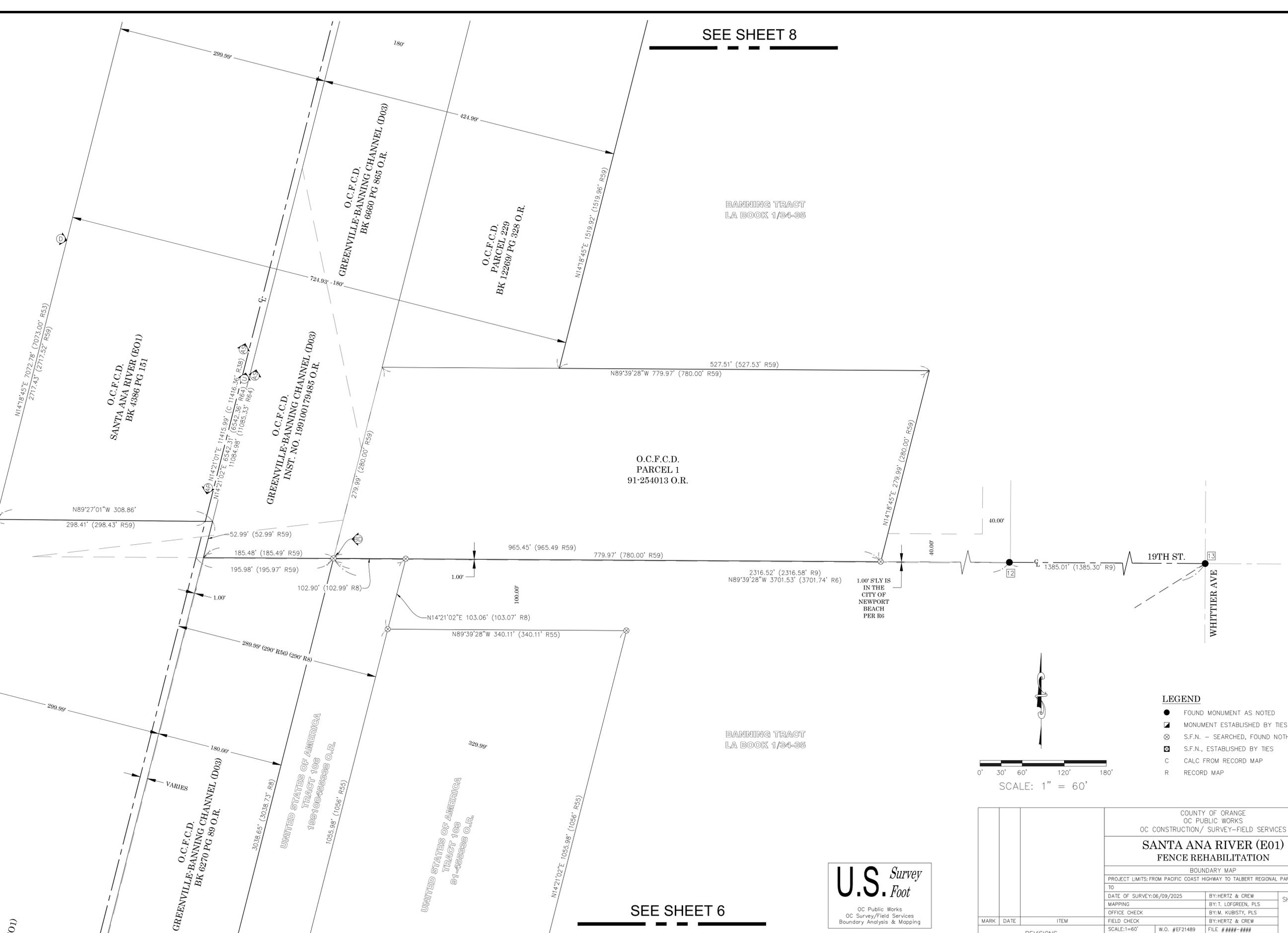
SEE SHEET 8

BANNING TRACT
LA BOOK 1/34-35

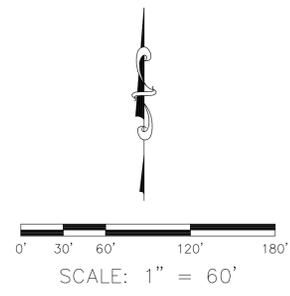
O.C.F.C.D.
PARCEL 1
91-254013 O.R.

BANNING TRACT
LA BOOK 1/34-35

SEE SHEET 6

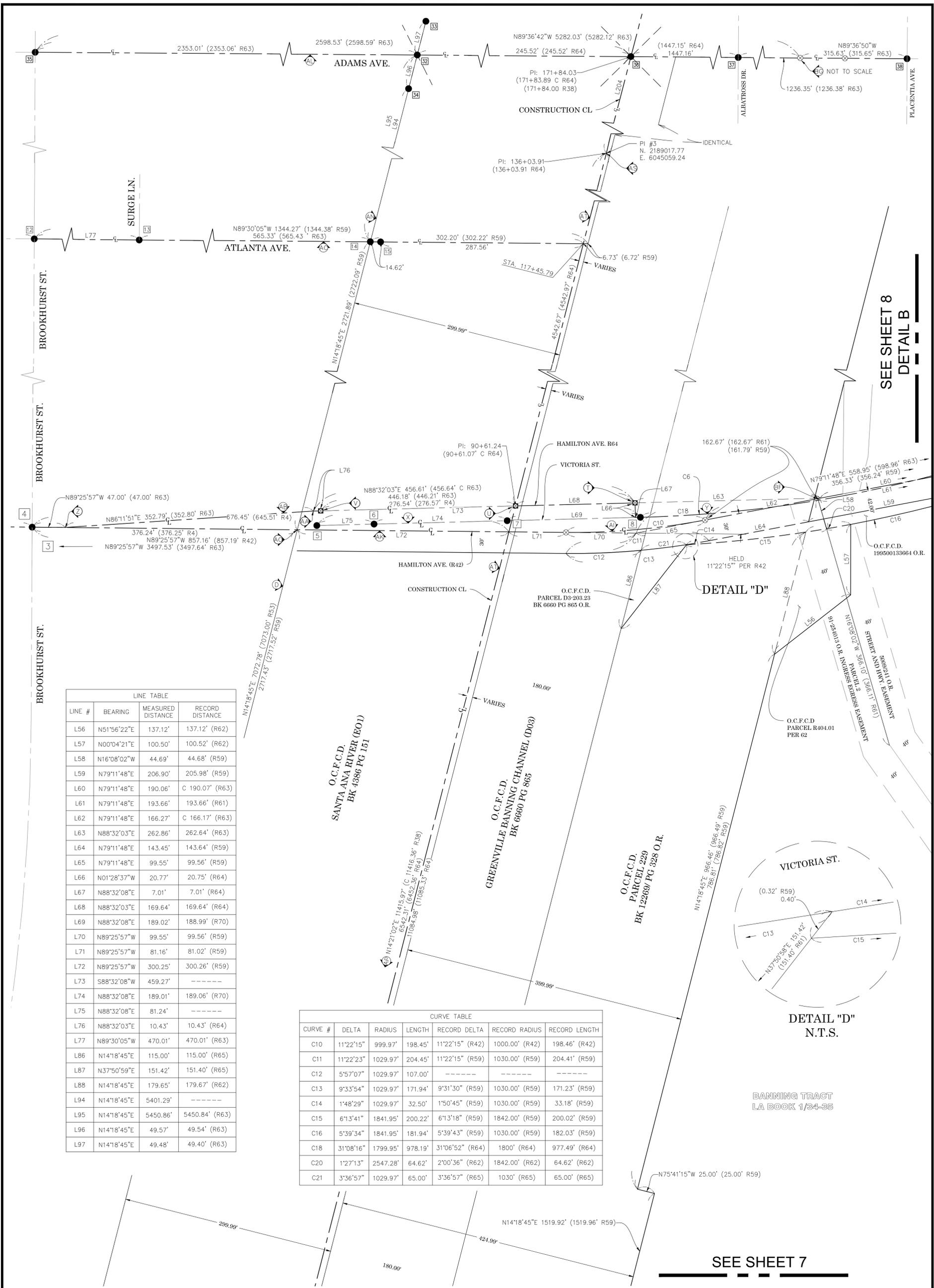


- LEGEND**
- FOUND MONUMENT AS NOTED
 - MONUMENT ESTABLISHED BY TIES
 - ⊗ S.F.N. - SEARCHED, FOUND NOTHING
 - ⊠ S.F.N., ESTABLISHED BY TIES
 - C CALC FROM RECORD MAP
 - R RECORD MAP



COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION / SURVEY-FIELD SERVICES		SHEET NO. 7 of 27
SANTA ANA RIVER (E01) FENCE REHABILITATION		
BOUNDARY MAP		
PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK		
TO		
DATE OF SURVEY: 06/09/2025	BY: HERTZ & CREW	REVISIONS
MAPPING	BY: T. LOGREEN, PLS	
OFFICE CHECK	BY: M. KUBISTY, PLS	
FIELD CHECK	BY: HERTZ & CREW	
SCALE: 1"=60'	W.O. #EF21489	
FILE: SANTA ANA RIVER ELY.RWDWG	FILE: #####	

101)



SEE SHEET 8
DETAIL B

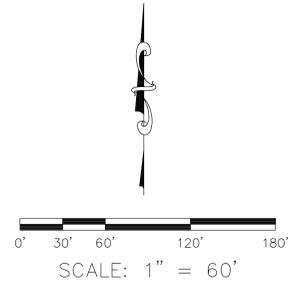
DETAIL "D"

DETAIL "D"
N.T.S.

BANNING TRACT
LA BOOK 1/34-35

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L56	N51°56'22"E	137.12'	137.12' (R62)
L57	N00°04'21"E	100.50'	100.52' (R62)
L58	N16°08'02"W	44.69'	44.68' (R59)
L59	N79°11'48"E	206.90'	205.98' (R59)
L60	N79°11'48"E	190.06'	C 190.07' (R63)
L61	N79°11'48"E	193.66'	193.66' (R61)
L62	N79°11'48"E	166.27'	C 166.17' (R63)
L63	N88°32'03"E	262.86'	262.64' (R63)
L64	N79°11'48"E	143.45'	143.64' (R59)
L65	N79°11'48"E	99.55'	99.56' (R59)
L66	N01°28'37"W	20.77'	20.75' (R64)
L67	N88°32'08"E	7.01'	7.01' (R64)
L68	N88°32'03"E	169.64'	169.64' (R64)
L69	N88°32'08"E	189.02'	188.99' (R70)
L70	N89°25'57"W	99.55'	99.56' (R59)
L71	N89°25'57"W	81.16'	81.02' (R59)
L72	N89°25'57"W	300.25'	300.26' (R59)
L73	S88°32'08"W	459.27'	-----
L74	N88°32'08"E	189.01'	189.06' (R70)
L75	N88°32'08"E	81.24'	-----
L76	N88°32'03"E	10.43'	10.43' (R64)
L77	N89°30'05"W	470.01'	470.01' (R63)
L86	N14°18'45"E	115.00'	115.00' (R65)
L87	N37°50'59"E	151.42'	151.40' (R65)
L88	N14°18'45"E	179.65'	179.67' (R62)
L94	N14°18'45"E	5401.29'	-----
L95	N14°18'45"E	5450.86'	5450.84' (R63)
L96	N14°18'45"E	49.57'	49.54' (R63)
L97	N14°18'45"E	49.48'	49.40' (R63)

CURVE TABLE						
CURVE #	DELTA	RADIUS	LENGTH	RECORD DELTA	RECORD RADIUS	RECORD LENGTH
C10	11°22'15"	999.97'	198.45'	11°22'15" (R42)	1000.00' (R42)	198.46' (R42)
C11	11°22'23"	1029.97'	204.45'	11°22'15" (R59)	1030.00' (R59)	204.41' (R59)
C12	5°57'07"	1029.97'	107.00'	-----	-----	-----
C13	9°33'54"	1029.97'	171.94'	9°31'30" (R59)	1030.00' (R59)	171.23' (R59)
C14	1°46'29"	1029.97'	32.50'	1°50'45" (R59)	1030.00' (R59)	33.18' (R59)
C15	6°13'41"	1841.95'	200.22'	6°13'18" (R59)	1842.00' (R59)	200.02' (R59)
C16	5°39'34"	1841.95'	181.94'	5°39'43" (R59)	1030.00' (R59)	182.03' (R59)
C18	31°08'16"	1799.95'	978.19'	31°08'52" (R64)	1800' (R64)	977.49' (R64)
C20	1°27'13"	2547.28'	64.62'	2°00'36" (R62)	1842.00' (R62)	64.62' (R62)
C21	3°36'57"	1029.97'	65.00'	3°36'57" (R65)	1030' (R65)	65.00' (R65)

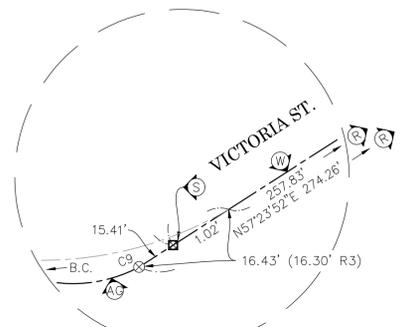


- LEGEND**
- FOUND MONUMENT AS NOTED
 - MONUMENT ESTABLISHED BY TIES
 - ⊗ S.F.N. - SEARCHED, FOUND NOTHING
 - ⊠ S.F.N., ESTABLISHED BY TIES
 - C CALC FROM RECORD MAP
 - R RECORD MAP

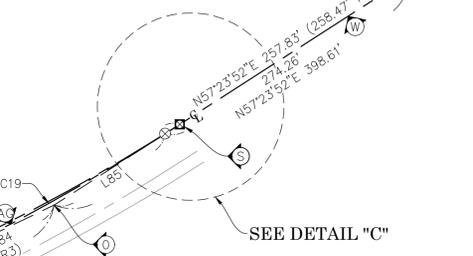
COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES		SANTA ANA RIVER (E01) FENCE REHABILITATION	
BOUNDARY MAP			
PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK			
TO		BY: HERTZ & CREW	
DATE OF SURVEY: 06/09/2025		BY: T. LOFGREEN, PLS	
MAPPING		BY: M. KUBISTY, PLS	
OFFICE CHECK		BY: HERTZ & CREW	
FIELD CHECK		BY: HERTZ & CREW	
SCALE: 1"=60'		W.O. #F21489	
FILE: SANTA ANA RIVER ELY RW.DWG		FILE: #####	
MARK	DATE	ITEM	
REVISIONS			
			SHEET NO. 8 of 27

SEE SHEET 7

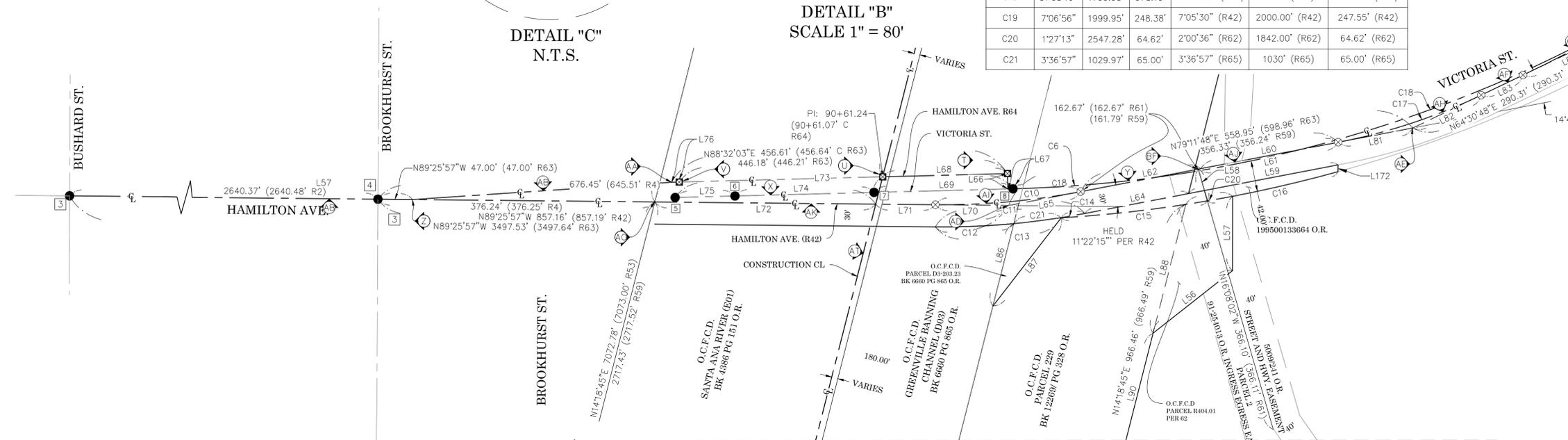
- LEGEND**
- FOUND MONUMENT AS NOTED
 - MONUMENT ESTABLISHED BY TIES
 - ⊗ S.F.N. - SEARCHED, FOUND NOTHING
 - ⊠ S.F.N., ESTABLISHED BY TIES
 - C CALC FROM RECORD MAP
 - R RECORD MAP



CURVE TABLE						
CURVE #	DELTA	RADIUS	LENGTH	RECORD DELTA	RECORD RADIUS	RECORD LENGTH
C10	11°22'15"	999.97'	198.45'	11°22'15" (R42)	1000.00' (R42)	198.46' (R42)
C11	11°22'23"	1029.97'	204.45'	11°22'15" (R59)	1030.00' (R59)	204.41' (R59)
C12	5°57'07"	1029.97'	107.00'	-----	-----	-----
C13	9°33'54"	1029.97'	171.94'	9°31'30" (R59)	1030.00' (R59)	171.23' (R59)
C14	1°48'29"	1029.97'	32.50'	1°50'45" (R59)	1030.00' (R59)	33.18' (R59)
C15	6°13'41"	1841.95'	200.22'	6°13'18" (R59)	1842.00' (R59)	200.02' (R59)
C16	5°39'34"	1841.95'	181.94'	5°39'43" (R59)	1030.00' (R59)	182.03' (R59)
C17	14°41'00"	799.98'	205.01'	14°41'00" (R42)	800.00' (R42)	205.02' (R42)
C18	31°08'16"	1799.95'	978.19'	31°06'52" (R64)	1800' (R64)	977.49' (R64)
C19	7°06'56"	1999.95'	248.38'	7°05'30" (R42)	2000.00' (R42)	247.55' (R42)
C20	1°27'13"	2547.28'	64.62'	2°00'36" (R62)	1842.00' (R62)	64.62' (R62)
C21	3°36'57"	1029.97'	65.00'	3°36'57" (R65)	1030' (R65)	65.00' (R65)



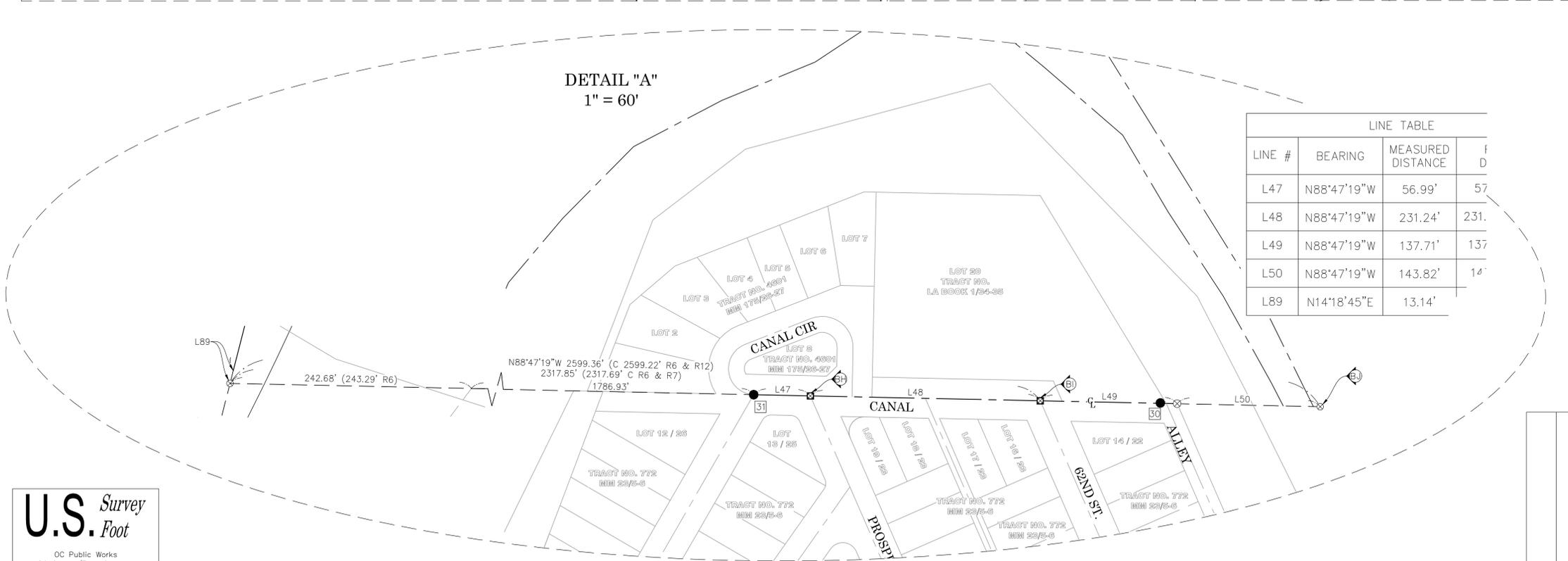
DETAIL "B"
SCALE 1" = 80'



LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L60	N79°11'48"E	190.06'	C 190.07' (R63)
L61	N79°11'48"E	193.66'	C 193.66' (R61)
L62	N79°11'48"E	166.27'	C 166.17' (R63)
L63	N88°32'03"E	262.86'	C 262.64' (R63)
L64	N79°11'48"E	143.45'	C 143.64' (R59)
L65	N79°11'48"E	99.55'	C 99.56' (R59)
L66	N01°28'37"W	20.77'	C 20.75' (R64)
L67	N88°32'08"E	7.01'	C 7.01' (R64)
L68	N88°32'03"E	169.64'	C 169.64' (R64)
L69	N88°32'08"E	189.02'	C 188.99' (R70)
L70	N89°25'57"W	99.55'	C 99.56' (R59)
L71	N89°25'57"W	81.16'	C 81.02' (R59)
L72	N89°25'57"W	300.25'	C 300.26' (R59)
L73	S88°32'08"W	459.27'	-----
L74	N88°32'08"E	189.01'	C 189.06' (R70)
L75	N88°32'08"E	81.24'	-----
L76	N88°32'03"E	10.43'	C 10.43' (R64)
L81	N79°11'48"E	103.07'	C 103.07' (R42)
L82	N64°30'48"E	103.07'	C 103.07' (R42)
L83	N64°30'48"E	62.89'	C 63.26' (R42)
L84	N64°30'48"E	124.35'	C 123.93' (R42)
L85	N57°23'52"E	124.35'	C 123.93' (R42)
L86	N14°18'45"E	115.00'	C 115.00' (R65)
L87	N37°50'59"E	151.42'	C 151.40' (R65)
L88	N14°18'45"E	179.65'	C 179.67' (R62)
L90	N14°18'45"E	786.81'	C 786.82' (R59)

DETAIL "A"
1" = 60'

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	F D
L47	N88°47'19"W	56.99'	57
L48	N88°47'19"W	231.24'	231
L49	N88°47'19"W	137.71'	137
L50	N88°47'19"W	143.82'	14
L89	N14°18'45"E	13.14'	



COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION / SURVEY-FIELD SERVICES		SANTA ANA RIVER (E01) FENCE REHABILITATION	
		BOUNDARY MAP PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK	
DATE OF SURVEY: 06/09/2025		BY: HERTZ & CREW	
MAPPING		BY: T. LOGGREEN, PLS	
OFFICE CHECK		BY: M. KUBISTY, PLS	
FIELD CHECK		BY: HERTZ & CREW	
SCALE: 1"=60'		W.O. #EF21489	
FILE: SANTA ANA RIVER ELY RWDWG		FILE: #####	
MARK	DATE	ITEM	REVISIONS

SANTA ANA RIVER (E01)

SEE SHEET 11

O.C.F.C.D.
INST. NO. 2016000260682

1918 ORDINARY HIGH WATER MARK PER (R8)

5' CHAINLINK FENCE

5' CHAINLINK FENCE

LEGEND

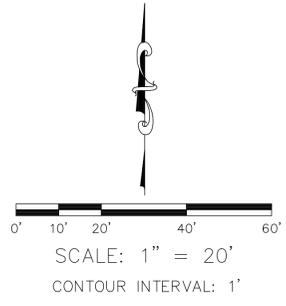
SYMBOL	DESCRIPTION	AREA PATTERN KEY	DESCRIPTION
[]	Control Box Undefined	[]	Concrete
[△]	Control Point	[]	Dirt
[— —]	Gate, Single	[]	Rip Rap
[]	Grate Inlet		
[]	Monitor Well		
[]	Sign Board		
[]	Sign Post		
[]	Utility Pole, Underground		
LINE PATTERN KEY		ABBREVIATION	
[]	Building Outline	AC	Asphalt Concrete
[]	Bush Row Outline	CL	Centerline
[]	Concrete Wall	CLR	Clearance
[]	Edge of Concrete	CONC	Concrete
[]	Edge of Asphalt Pavement	CP	Control Point
[]	Exposed Pipe	EL	Elevation
[]	Fence Barbed-Wire	ENC	Encroachment
[]	Fence Chainlink	FD	Found
[]	Fence Wrought Iron	FS	Finished Surface
[]	Hand Rail	MLLW	Mean Lower-Low Water
[]	Hinge Point	TW	Top of Wall
[]	Right of Way		
[]	Striping		

CP# 2118
SET MAG NAIL WITH 1-1/4 INCH
STAINLESS STEEL WASHER STAMPED
"ORANGE COUNTY SURVEYOR CP 2118"
FLUSH IN BEACH ROCK
N: 2176687.91'
E: 6041853.67'
EL: 11.52'

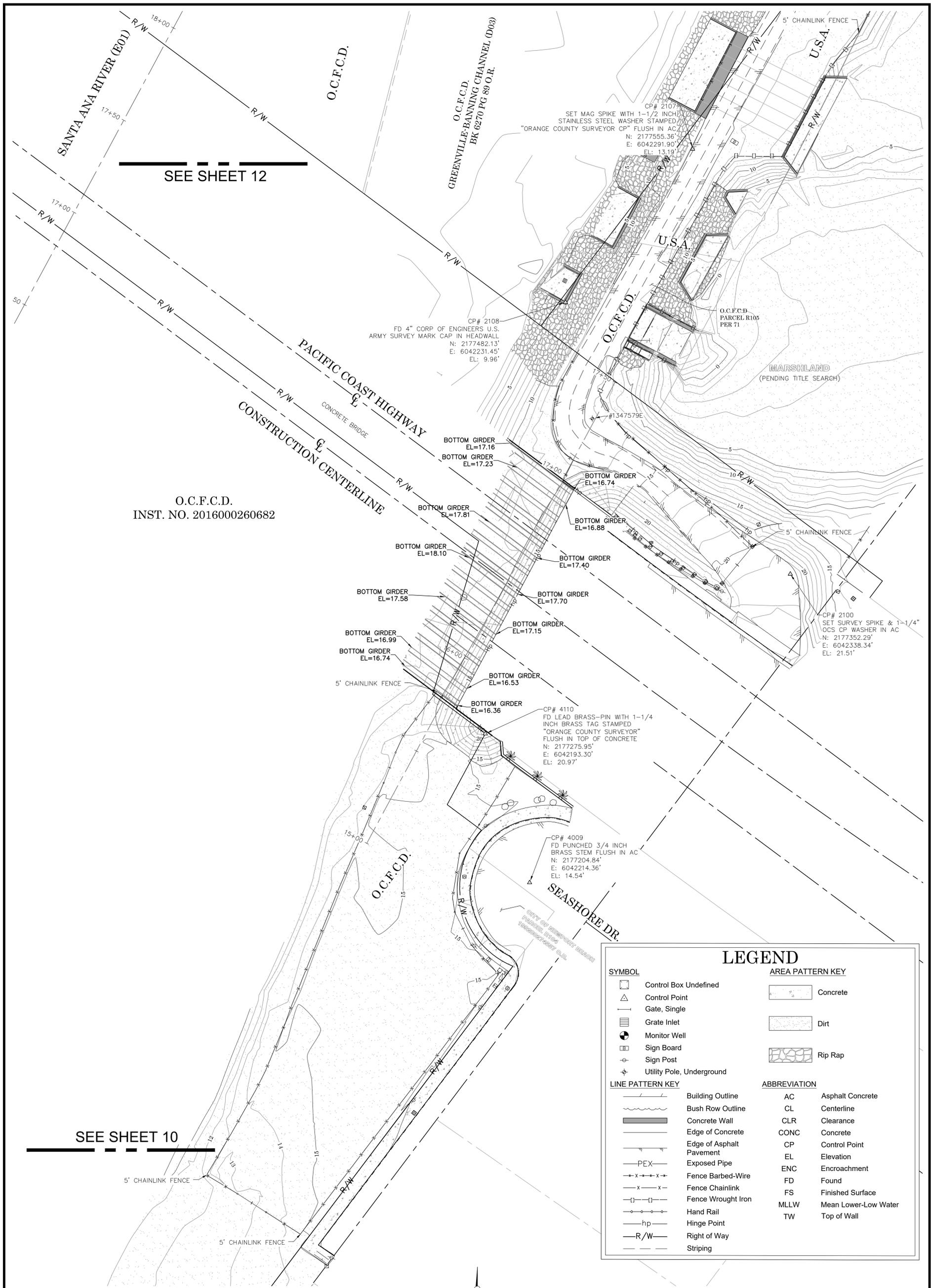
PACIFIC OCEAN

O.C.F.C.D.

CITY OF NEWPORT BEACH

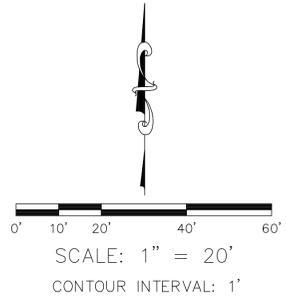


COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES		SANTA ANA RIVER (E01) FENCE REHABILITATION	
TOPOGRAPHIC MAP			
PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK			
DATE OF SURVEY: 06/09/2025	BY: E. HERTZ & CREW	SHEET NO.	
MAPPING	BY: I. ISLAS	10	
OFFICE CHECK	BY: M. KUBISTY, PLS	of	
FIELD CHECK	BY: E. HERTZ & CREW	27	
SCALE: 1"=20'	W.O. #EF21489	FILE #2526PW-CM0006	
FILE: SANTA ANA RIVER REHAB_TOPO_2025.DWG			

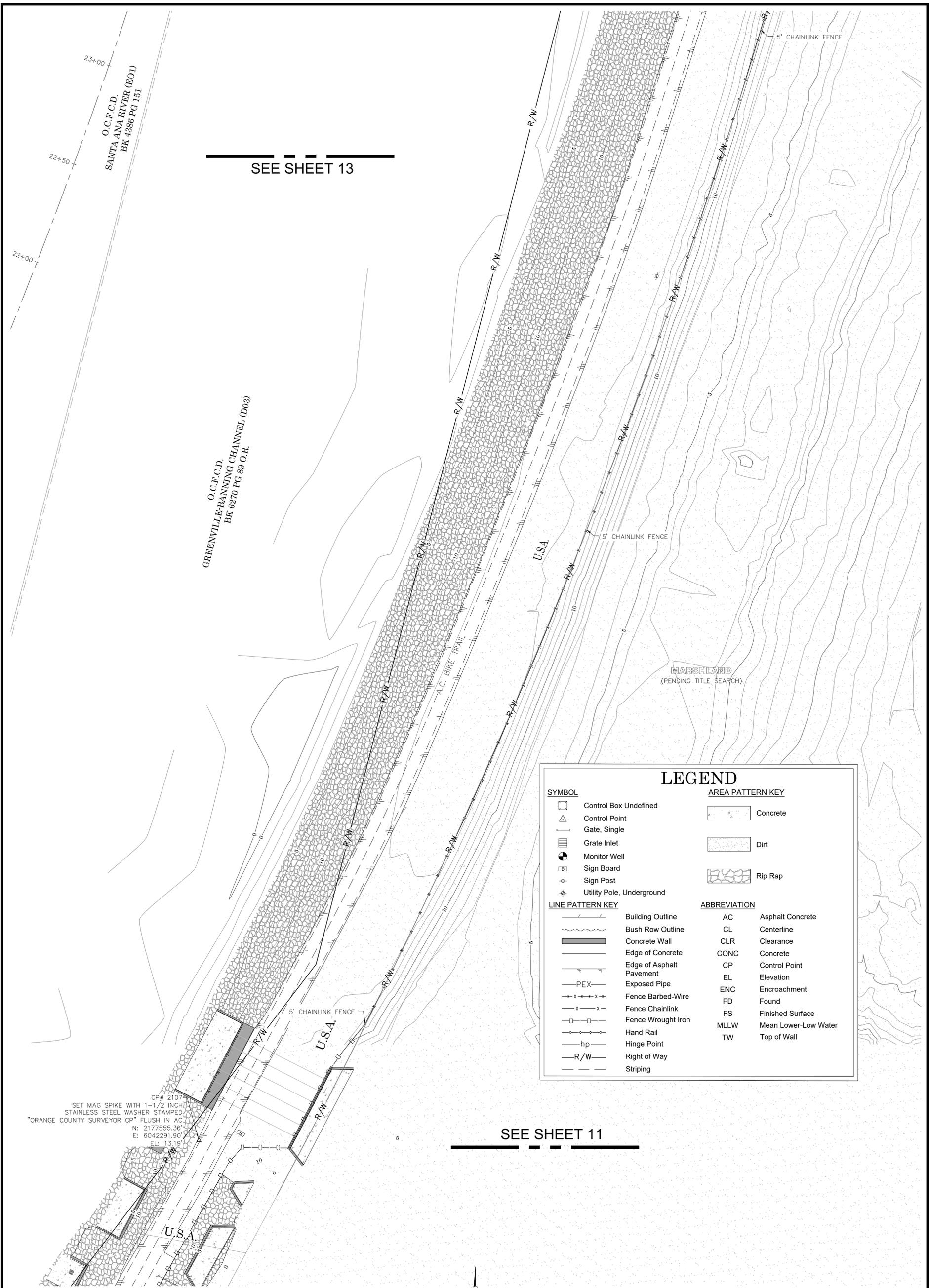


LEGEND

SYMBOL		AREA PATTERN KEY	
	Control Box Undefined		Concrete
	Control Point		Dirt
	Gate, Single		Rip Rap
	Grate Inlet		
	Monitor Well		
	Sign Board		
	Sign Post		
	Utility Pole, Underground		
LINE PATTERN KEY		ABBREVIATION	
	Building Outline	AC	Asphalt Concrete
	Bush Row Outline	CL	Centerline
	Concrete Wall	CLR	Clearance
	Edge of Concrete	CONC	Concrete
	Edge of Asphalt Pavement	CP	Control Point
	Exposed Pipe	EL	Elevation
	Fence Barbed-Wire	ENC	Encroachment
	Fence Chainlink	FD	Found
	Fence Wrought Iron	FS	Finished Surface
	Hand Rail	MLLW	Mean Lower-Low Water
	Hinge Point	TW	Top of Wall
	Right of Way		
	Striping		



COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES			
SANTA ANA RIVER (E01) FENCE REHABILITATION			
TOPOGRAPHIC MAP			
PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK			
DATE OF SURVEY: 06/09/2025	BY: E. HERTZ & CREW	SHEET NO.	
MAPPING	BY: I. ISLAS	11	
OFFICE CHECK	BY: M. KUBISTY, PLS	of	
FIELD CHECK	BY: E. HERTZ & CREW	27	
SCALE: 1"=20'	W.O. #EF21489	FILE #2526FW-CM006	
FILE: SANTA ANA RIVER REHAB_TOPO_2025.DWG			



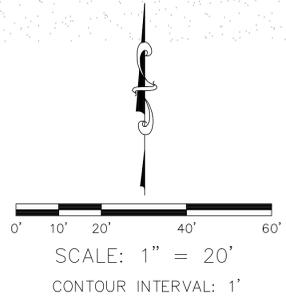
SEE SHEET 13

SEE SHEET 11

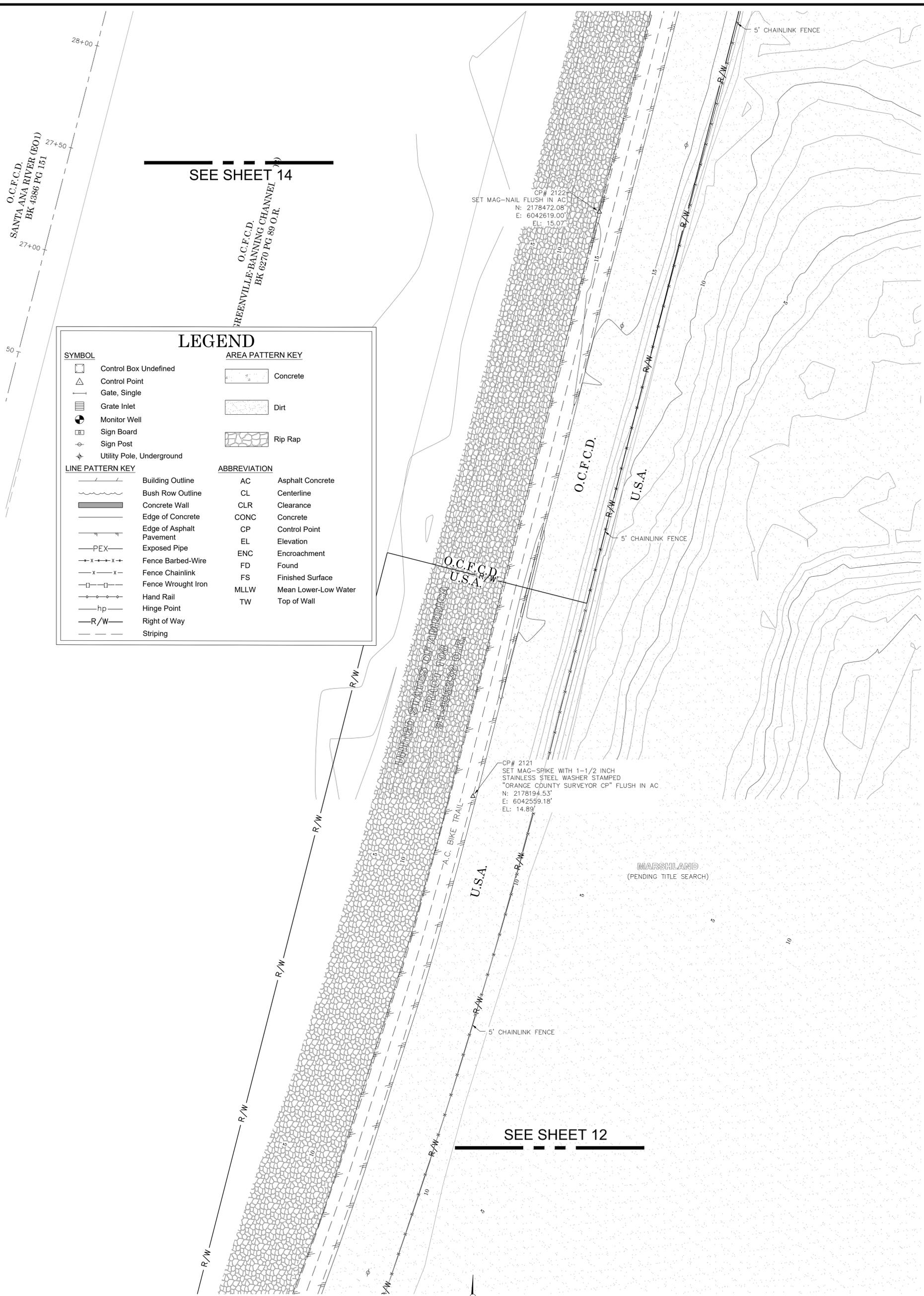
CP# 2107
 SET MAG SPIKE WITH 1-1/2 INCH
 STAINLESS STEEL WASHER STAMPED
 "ORANGE COUNTY SURVEYOR CP" FLUSH IN AC.
 N: 2177555.36
 E: 6042291.90
 EL: 13.19

SYMBOL		AREA PATTERN KEY	
	Control Box Undefined		Concrete
	Control Point		Dirt
	Gate, Single		Rip Rap
	Grate Inlet		
	Monitor Well		
	Sign Board		
	Sign Post		
	Utility Pole, Underground		
LINE PATTERN KEY		ABBREVIATION	
	Building Outline	AC	Asphalt Concrete
	Bush Row Outline	CL	Centerline
	Concrete Wall	CLR	Clearance
	Edge of Concrete	CONC	Concrete
	Edge of Asphalt Pavement	CP	Control Point
	Exposed Pipe	EL	Elevation
	Fence Barbed-Wire	ENC	Encroachment
	Fence Chainlink	FD	Found
	Fence Wrought Iron	FS	Finished Surface
	Hand Rail	MLLW	Mean Lower-Low Water
	Hinge Point	TW	Top of Wall
	Right of Way		
	Striping		

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



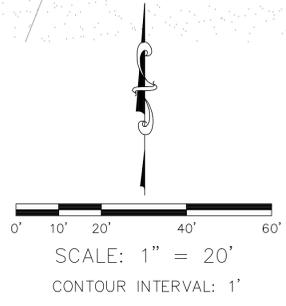
COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES			
SANTA ANA RIVER (E01) FENCE REHABILITATION			
TOPOGRAPHIC MAP			
PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK			
DATE OF SURVEY: 06/09/2025	BY: E. HERTZ & CREW	SHEET NO.	
MAPPING	BY: I. ISLAS	12	
OFFICE CHECK	BY: M. KUBISTY, PLS	of	
FIELD CHECK	BY: E. HERTZ & CREW	27	
SCALE: 1"=20'	W.O. #EF21489	FILE #2526PW-CM0006	
FILE: SANTA ANA RIVER REHAB_TOPO_2025.DWG			



SEE SHEET 14

SEE SHEET 12

LEGEND	
SYMBOL	AREA PATTERN KEY
LINE PATTERN KEY	ABBREVIATION
	AC Asphalt Concrete
	CL Centerline
	CLR Clearance
	CONC Concrete
	CP Control Point
	EL Elevation
	ENC Encroachment
	FD Found
	FS Finished Surface
	MLLW Mean Lower-Low Water
	TW Top of Wall



COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES			
SANTA ANA RIVER (E01) FENCE REHABILITATION			
TOPOGRAPHIC MAP			
PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK			
DATE OF SURVEY: 06/09/2025	BY: E. HERTZ & CREW	SHEET NO.	
MAPPING	BY: I. ISLAS	13	
OFFICE CHECK	BY: M. KUBISTY, PLS	of	
FIELD CHECK	BY: E. HERTZ & CREW	27	
SCALE: 1"=20'	W.O. #EF21489	FILE #2526FW-CM006	
FILE: SANTA ANA RIVER REHAB_TOPO_2025.DWG			

O.C.F.C.D.
SANTA ANA RIVER (E01)
BK 4386 PG 151

O.C.F.C.D.
GREENVILLE-BANNING CHANNEL (D03)
BK 6270 PG 89 O.R.

SEE SHEET 15

CP# 2109
SET MAG-SPIKE WITH 1-1/2 INCH
STAINLESS STEEL WASHER STAMPED
"ORANGE COUNTY SURVEYOR CP" FLUSH IN AC
N: 2178986.23'
E: 6042763.57'
EL: 16.73'

CP# 2103
SET SURVEY MARK-SPIKE WITH 1-1/2
INCH STAINLESS STEEL WASHER STAMPED
"ORANGE COUNTY SURVEYOR CP" FLUSH IN AC
N: 2178896.76'
E: 6042740.15'
EL: 16.37'

CP# 2122
SET MAG-NAIL FLUSH IN AC
N: 2178472.08'
E: 6042619.00'
EL: 15.07'

LEGEND

SYMBOL		AREA PATTERN KEY	
	Control Box Undefined		Concrete
	Control Point		Dirt
	Gate, Single		Rip Rap
	Grate Inlet		
	Monitor Well		
	Sign Board		
	Sign Post		
	Utility Pole, Underground		
LINE PATTERN KEY		ABBREVIATION	
	Building Outline	AC	Asphalt Concrete
	Bush Row Outline	CL	Centerline
	Concrete Wall	CLR	Clearance
	Edge of Concrete	CONC	Concrete
	Edge of Asphalt Pavement	CP	Control Point
	Exposed Pipe	EL	Elevation
	Fence Barbed-Wire	ENC	Encroachment
	Fence Chainlink	FD	Found
	Fence Wrought Iron	FS	Finished Surface
	Hand Rail	MLLW	Mean Lower-Low Water
	Hinge Point	TW	Top of Wall
	Right of Way		
	Striping		

31+50

32+00

32+50

O.C.F.C.D.
GREENVILLE-BANNING CHANNEL (D03)
BK 6270 PG 89 O.R.

SEE SHEET 13

UNITED STATES OF AMERICA
199200246763 O.R.

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

0' 10' 20' 40' 60'

SCALE: 1" = 20'

CONTOUR INTERVAL: 1'

COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES			
SANTA ANA RIVER (E01) FENCE REHABILITATION			
TOPOGRAPHIC MAP			
PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK			
DATE OF SURVEY: 06/09/2025	BY: E. HERTZ & CREW	SHEET NO.	
MAPPING	BY: I. ISLAS	14	
OFFICE CHECK	BY: M. KUBISTY, PLS	of	
FIELD CHECK	BY: E. HERTZ & CREW	27	
SCALE: 1" = 20'	W.O. #EF21489	FILE #2526FW-CM006	
FILE: SANTA ANA RIVER REHAB_TOPO_2025.DWG			

O.C.F.C.D.
SANTA ANA RIVER (E01)
BK 4386 PG 151

SEE SHEET 16

O.C.F.C.D.
GREENVILLE-BANNING CHANNEL (D03)
BK 0270 PG 89 O.R.

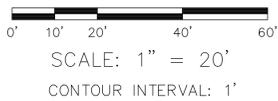
LEGEND

SYMBOL		AREA PATTERN KEY	
	Control Box Undefined		Concrete
	Control Point		Dirt
	Gate, Single		Rip Rap
	Grate Inlet		
	Monitor Well		
	Sign Board		
	Sign Post		
	Utility Pole, Underground		
LINE PATTERN KEY		ABBREVIATION	
	Building Outline	AC	Asphalt Concrete
	Bush Row Outline	CL	Centerline
	Concrete Wall	CLR	Clearance
	Edge of Concrete	CONC	Concrete
	Edge of Asphalt Pavement	CP	Control Point
	Exposed Pipe	EL	Elevation
	Fence Barbed-Wire	ENC	Encroachment
	Fence Chainlink	FD	Found
	Fence Wrought Iron	FS	Finished Surface
	Hand Rail	MLLW	Mean Lower-Low Water
	Hinge Point	TW	Top of Wall
	Right of Way		
	Striping		

CP# 2109
SET MAG-SPIKE WITH 1-1/2 INCH
STAINLESS STEEL WASHER STAMPED
"ORANGE COUNTY SURVEYOR CP" FLUSH IN AC
N: 2178986.23'
E: 6042763.57'
EL: 16.73'

CP# 2103
SET SURVEY MARK-SPIKE WITH 1-1/2
INCH STAINLESS STEEL WASHER STAMPED
"ORANGE COUNTY SURVEYOR CP" FLUSH IN AC
N: 2178896.76'
E: 6042740.15'
EL: 16.37'

SEE SHEET 14

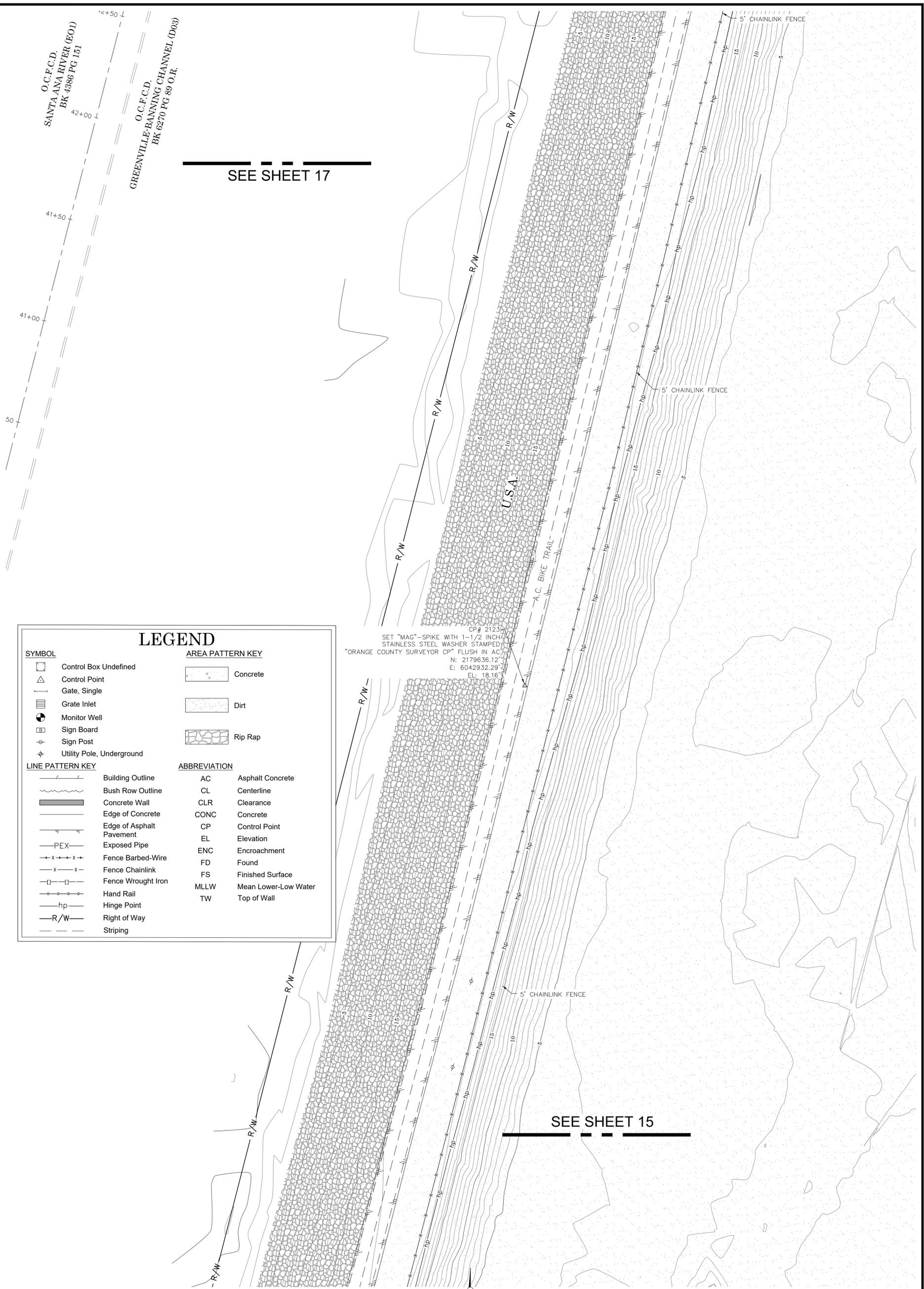


COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES		SANTA ANA RIVER (E01) FENCE REHABILITATION	
		TOPOGRAPHIC MAP PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK	
DATE OF SURVEY: 06/09/2025	BY: E. HERTZ & CREW	SHEET NO.	
MAPPING	BY: I. ISLAS	15	
OFFICE CHECK	BY: M. KUBISTY, PLS		
FIELD CHECK	BY: E. HERTZ & CREW	of	
SCALE: 1"=20'	W.C. #EF21489 FILE # 2526FW-CM0006		
12/10/25 UPDATED RIGHT OF WAY AND PROVIDE CROSS SECTION UNDER BRIDGE AT PCH		REVISIONS	
FILE: SANTA ANA RIVER REHAB_TOPO_2025.DWG			

O.C.F.C.D.
SANTA ANA RIVER (E01)
BK 4386 PG 151

O.C.F.C.D.
GREENVILLE-BANNING CHANNEL (D03)
BK 6270 PG 89 O.R.

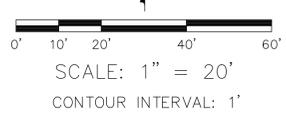
SEE SHEET 17



CP # 2123
SET "MAC"-SPIKE WITH 1-1/2 INCH
STAINLESS STEEL WASHER STAMPED
"ORANGE COUNTY SURVEYOR CP" FLUSH IN AC
N: 2179636.12
E: 6042932.29
EL: 18.16'

LEGEND	
SYMBOL	AREA PATTERN KEY
LINE PATTERN KEY	ABBREVIATION
	AC Asphalt Concrete
	CLR Clearance
	CONC Concrete
	CP Control Point
	EL Elevation
	ENC Encroachment
	FD Found
	FS Finished Surface
	MLLW Mean Lower-Low Water
	TW Top of Wall

SEE SHEET 15



COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES		SANTA ANA RIVER (E01) FENCE REHABILITATION	
TOPOGRAPHIC MAP			
PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK			
DATE OF SURVEY: 06/09/2025	BY: E. HERTZ & CREW	SHEET NO.	
MAPPING	BY: I. ISLAS	16	
OFFICE CHECK	BY: M. KUBISTY, PLS	of	
FIELD CHECK	BY: E. HERTZ & CREW	27	
SCALE: 1"=20'	W.O. #EF21489	FILE #2526PW-CM0006	
FILE: SANTA ANA RIVER REHAB_TOPO_2025.DWG			

O.C.F.C.D.
SANTA ANA RIVER (E01)
BK 4386 PG 151

O.C.F.C.D.
GREENVILLE-BANNING CHANNEL (D03)
BK 6270 PG 89 O.R.

SEE SHEET 18

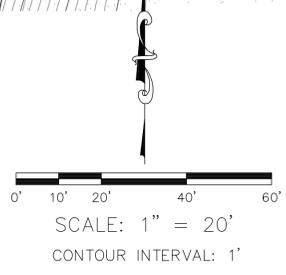
CP# 2110
SET MAG-NAIL WITH PAINTED
AERIAL TARGET FLUSH IN AC
N: 2180329.79'
E: 6043092.52'
EL: 17.97'

CP# 2124
SET MAG-NAIL FLUSH IN AC
N: 2180028.28'
E: 6043026.95'
EL: 18.48'

SEE SHEET 16

LEGEND

SYMBOL		AREA PATTERN KEY	
	Control Box Undefined		Concrete
	Control Point		Dirt
	Gate, Single		Rip Rap
	Grate Inlet		
	Monitor Well		
	Sign Board		
	Sign Post		
	Utility Pole, Underground		
LINE PATTERN KEY		ABBREVIATION	
	Building Outline	AC	Asphalt Concrete
	Bush Row Outline	CL	Centerline
	Concrete Wall	CLR	Clearance
	Edge of Concrete	CONC	Concrete
	Edge of Asphalt Pavement	CP	Control Point
	Exposed Pipe	EL	Elevation
	Fence Barbed-Wire	ENC	Encroachment
	Fence Chainlink	FD	Found
	Fence Wrought Iron	FS	Finished Surface
	Hand Rail	MLLW	Mean Lower-Low Water
	Hinge Point	TW	Top of Wall
	Right of Way		
	Striping		



COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES			
SANTA ANA RIVER (E01) FENCE REHABILITATION			
TOPOGRAPHIC MAP			
PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK			
DATE OF SURVEY: 06/09/2025	BY: E. HERTZ & CREW	SHEET NO.	
MAPPING	BY: I. ISLAS	17	
OFFICE CHECK	BY: M. KUBISTY, PLS	of	
FIELD CHECK	BY: E. HERTZ & CREW	27	
SCALE: 1"=20'	W.O. #EF21489	FILE #2526PW-CM006	
FILE: SANTA ANA RIVER REHAB_TOPO_2025.DWG			

O.C.F.C.D.
SANTA ANA RIVER (E01)
BK 4386 PG 151

SEE SHEET 19

O.C.F.C.D.
GREENVILLE-BANNING CHANNEL (D083)
BK 6270 PG 89 O.R.

CP# 2125
SET "MAG"-SPIKE WITH 1-1/2"
INCH STAINLESS STEEL WASHER STAMPED
"ORANGE COUNTY SURVEYOR CP" FLUSH IN AC.
N: 2180723.33'
E: 6043203.55'
EL: 18.41'

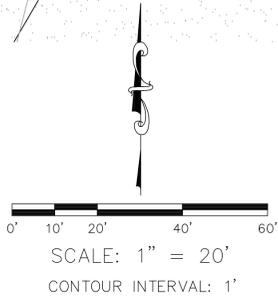
CP# 2110
SET MAG-NAIL WITH PAINTED
AERIAL TARGET FLUSH IN AC.
N: 2180329.79'
E: 6043092.52'
EL: 17.97'

DIRT ROAD LEADING TO BRIDGE

SEE SHEET 17

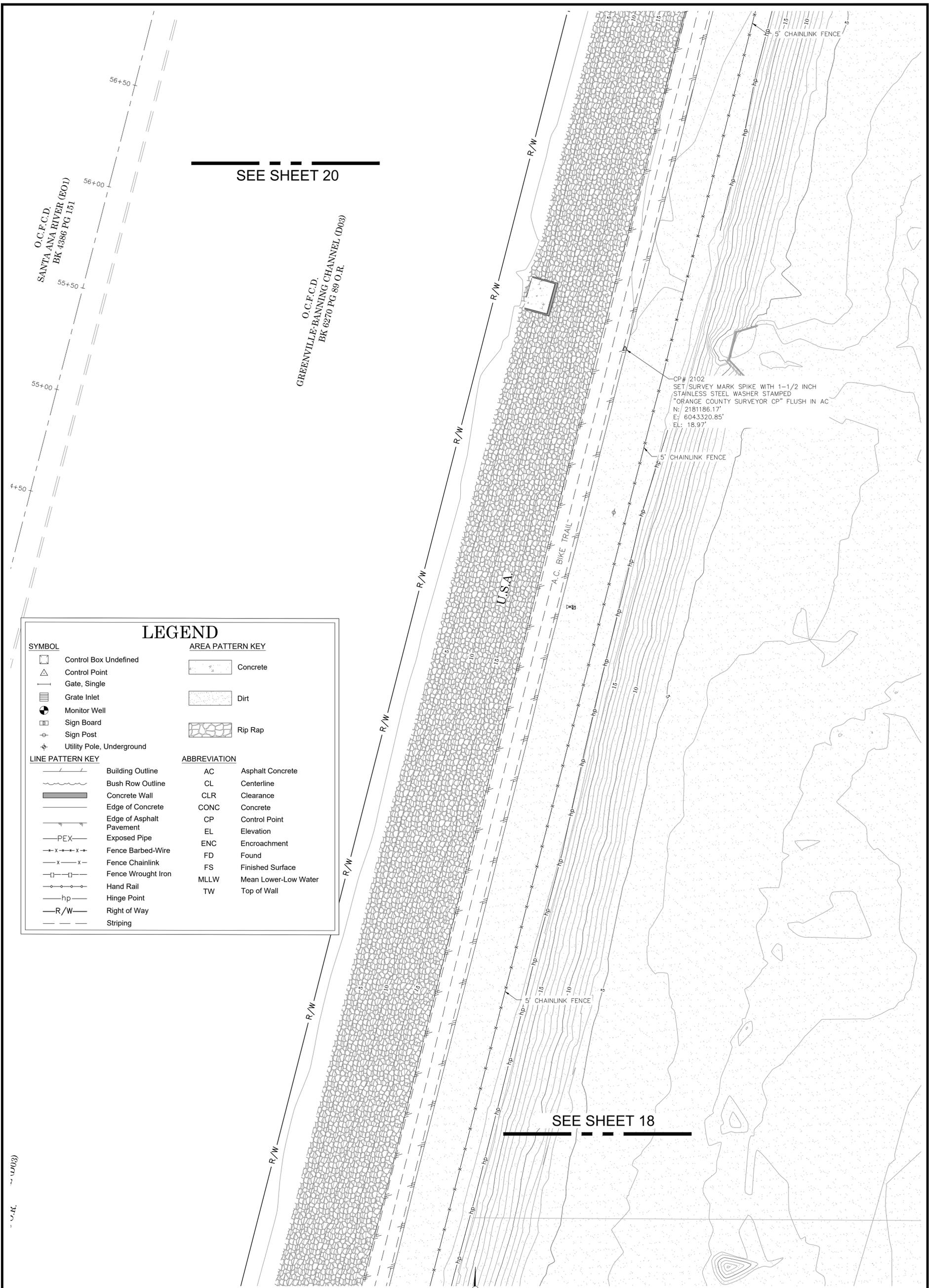
LEGEND

SYMBOL		AREA PATTERN KEY	
	Control Box Undefined		Concrete
	Control Point		Dirt
	Gate, Single		Rip Rap
	Grate Inlet		
	Monitor Well		
	Sign Board		
	Sign Post		
	Utility Pole, Underground		
LINE PATTERN KEY		ABBREVIATION	
	Building Outline	AC	Asphalt Concrete
	Bush Row Outline	CL	Centerline
	Concrete Wall	CLR	Clearance
	Edge of Concrete	CONC	Concrete
	Edge of Asphalt Pavement	CP	Control Point
	Exposed Pipe	EL	Elevation
	Fence Barbed-Wire	ENC	Encroachment
	Fence Chainlink	FD	Found
	Fence Wrought Iron	FS	Finished Surface
	Hand Rail	MLLW	Mean Lower-Low Water
	Hinge Point	TW	Top of Wall
	Right of Way		
	Striping		



COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES			
SANTA ANA RIVER (E01) FENCE REHABILITATION			
TOPOGRAPHIC MAP			
PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK			
DATE OF SURVEY: 06/09/2025	BY: E. HERTZ & CREW	SHEET NO.	
MAPPING	BY: I. ISLAS	18	
OFFICE CHECK	BY: M. KUBISTY, PLS	of	
FIELD CHECK	BY: E. HERTZ & CREW	27	
SCALE: 1"=20'	W.O. #EF21489	FILE #2526FW-CM0006	
FILE: SANTA ANA RIVER REHAB_TOPO_2025.DWG			

MARK	DATE	ITEM
1	12/10/25	UPDATED RIGHT OF WAY AND PROVIDE CROSS SECTION UNDER BRIDGE AT PCH

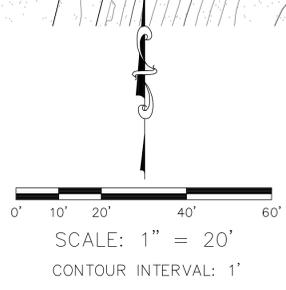


SEE SHEET 20

SEE SHEET 18

LEGEND

SYMBOL		AREA PATTERN KEY	
	Control Box Undefined		Concrete
	Control Point		Dirt
	Gate, Single		Rip Rap
	Grate Inlet		
	Monitor Well		
	Sign Board		
	Sign Post		
	Utility Pole, Underground		
LINE PATTERN KEY		ABBREVIATION	
	Building Outline	AC	Asphalt Concrete
	Bush Row Outline	CL	Centerline
	Concrete Wall	CLR	Clearance
	Edge of Concrete	CONC	Concrete
	Edge of Asphalt Pavement	CP	Control Point
	Exposed Pipe	EL	Elevation
	PEX	ENC	Encroachment
	Fence Barbed-Wire	FD	Found
	Fence Chainlink	FS	Finished Surface
	Fence Wrought Iron	MLLW	Mean Lower-Low Water
	Hand Rail	TW	Top of Wall
	Hinge Point		
	Right of Way		
	Striping		



COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES			
SANTA ANA RIVER (E01) FENCE REHABILITATION			
TOPOGRAPHIC MAP			
PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK			
DATE OF SURVEY: 06/09/2025	BY: E. HERTZ & CREW	SHEET NO.	
MAPPING	BY: I. ISLAS	19	
OFFICE CHECK	BY: M. KUBISTY, PLS	of	
FIELD CHECK	BY: E. HERTZ & CREW	27	
SCALE: 1"=20'	W.O. #EF21489	FILE #2526FW-CM0006	
FILE: SANTA ANA RIVER REHAB_TOPO_2025.DWG			

O.C.F.C.D.
SANTA ANA RIVER (E01)
BK 4386 PG 151

SEE SHEET 21

1.00'
CITY OF NEWPORT BEACH
PER R6

O.C.F.C.D.
GREENVILLE-BANNING CHANNEL (D03)
BK 6270 PG 89 O.R.

LEGEND

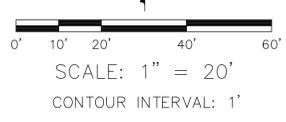
SYMBOL		AREA PATTERN KEY	
	Control Box Undefined		Concrete
	Control Point		Dirt
	Gate, Single		Rip Rap
	Grate Inlet		
	Monitor Well		
	Sign Board		
	Sign Post		
	Utility Pole, Underground		
LINE PATTERN KEY		ABBREVIATION	
	Building Outline	AC	Asphalt Concrete
	Bush Row Outline	CL	Centerline
	Concrete Wall	CLR	Clearance
	Edge of Concrete	CONC	Concrete
	Edge of Asphalt Pavement	CP	Control Point
	Exposed Pipe	EL	Elevation
	Fence Barbed-Wire	ENC	Encroachment
	Fence Chainlink	FD	Found
	Fence Wrought Iron	FS	Finished Surface
	Hand Rail	MLLW	Mean Lower-Low Water
	Hinge Point	TW	Top of Wall
	Right of Way		
	Striping		

SEE SHEET 19

D.
G CHANNEL (D03)
G 89 O.R.

CP # 2126
SET MAG NAIL FLUSH IN AC
N: 2181475.82'
E: 6043382.79'
EL: 19.27'

UNITED STATES OF AMERICA
TRACT 103
91-455338 O.R.



COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES		SANTA ANA RIVER (E01) FENCE REHABILITATION	
		TOPOGRAPHIC MAP PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK	
DATE OF SURVEY: 06/09/2025	BY: E. HERTZ & CREW	SHEET NO.	
MAPPING	BY: I. ISLAS	20 of 27	
OFFICE CHECK	BY: M. KUBISTY, PLS		
FIELD CHECK	BY: E. HERTZ & CREW	FILE # 2526PW-CM0006	
SCALE: 1"=20'	W.O. #EF21489	FILE # 2526PW-CM0006	
REVISIONS 12/10/25 UPDATED RIGHT OF WAY AND PROVIDE CROSS SECTION UNDER BRIDGE AT PCH			
FILE: SANTA ANA RIVER REHAB_TOPO_2025.DWG			

O.C.F.C.D.
SANTA ANA RIVER (E01)
BK 4386 PG 151

O.C.F.C.D.
GREENVILLE-BANNING CHANNEL (D03)
INST. NO. 199100179485 O.R.

CP# 2127
SET "MAG"-SPIKE WITH 1-1/2 INCH
STAINLESS STEEL WASHER STAMPED
"ORANGE COUNTY SURVEYOR CP" FLUSH IN AC
N: 2182205.87'
E: 6043581.50'
EL: 20.35'

SEE SHEET 22

LEGEND

SYMBOL		AREA PATTERN KEY	
	Control Box Undefined		Concrete
	Control Point		Dirt
	Gate, Single		Rip Rap
	Grate Inlet		
	Monitor Well		
	Sign Board		
	Sign Post		
	Utility Pole, Underground		
LINE PATTERN KEY		ABBREVIATION	
	Building Outline	AC	Asphalt Concrete
	Bush Row Outline	CL	Centerline
	Concrete Wall	CLR	Clearance
	Edge of Concrete	CONC	Concrete
	Edge of Asphalt Pavement	CP	Control Point
	Exposed Pipe	EL	Elevation
	Fence Barbed-Wire	ENC	Encroachment
	Fence Chainlink	FD	Found
	Fence Wrought Iron	FS	Finished Surface
	Hand Rail	MLLW	Mean Lower-Low Water
	Hinge Point	TW	Top of Wall
	Right of Way		
	Striping		

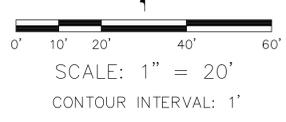
CP# 2101
SET "SURVEY MARK"-SPIKE
WITH 1-1/2 INCH STAINLESS STEEL WASHER
STAMPED "ORANGE COUNTY SURVEYOR CP" FLUSH IN AC
N: 2181893.88'
E: 6043501.16'
EL: 20.23'

O.C.F.C.D.
U.S.A.

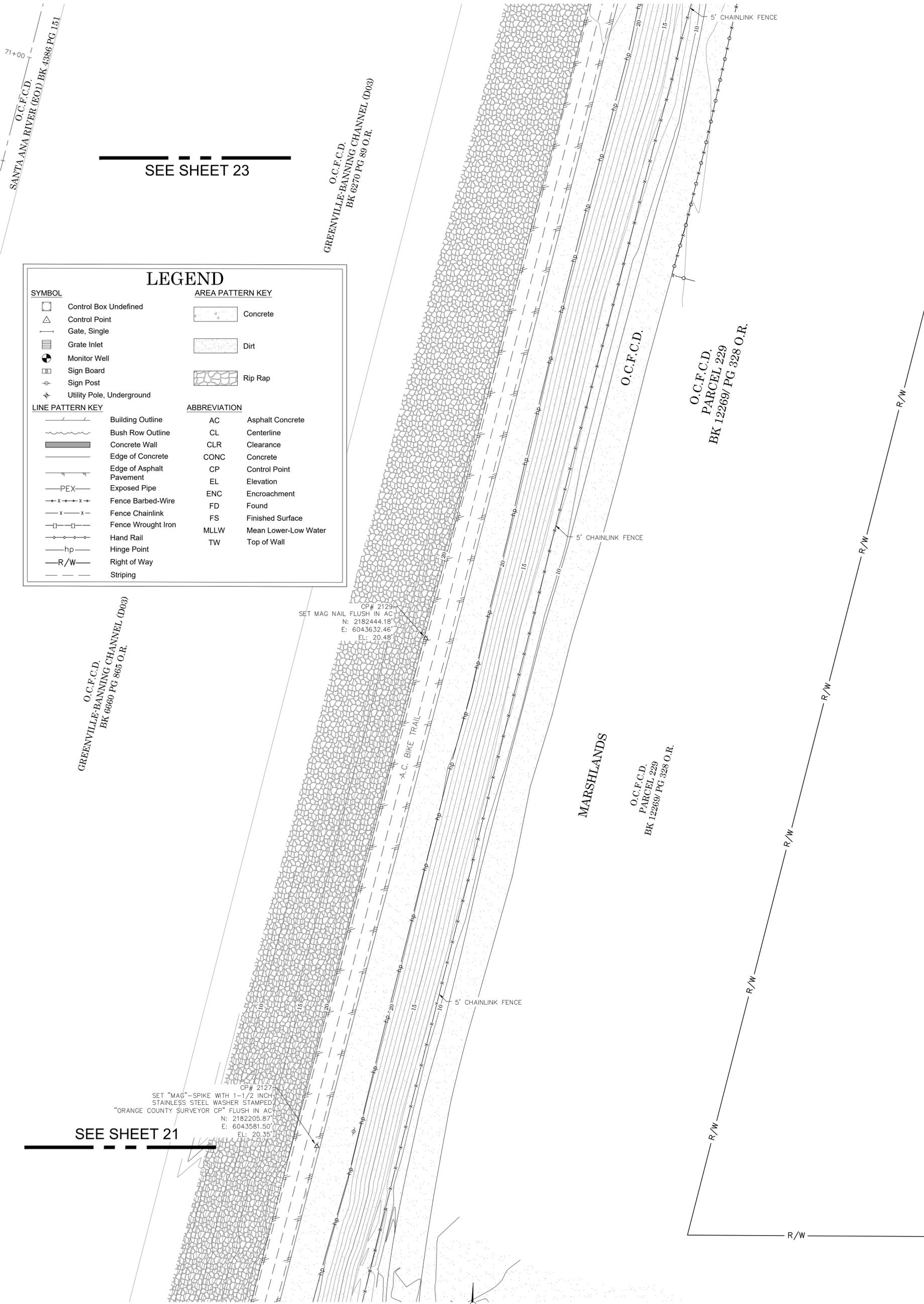
O.C.F.C.D.

1.00'
CITY OF NEWPORT BEACH
PER R6

SEE SHEET 20



COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES			
SANTA ANA RIVER (E01) FENCE REHABILITATION			
TOPOGRAPHIC MAP			
PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK			
DATE OF SURVEY: 06/09/2025	BY: E. HERTZ & CREW	SHEET NO.	
MAPPING	BY: I. ISLAS	21	
OFFICE CHECK	BY: M. KUBISTY, PLS	of	
FIELD CHECK	BY: E. HERTZ & CREW	27	
SCALE: 1"=20'	W.O. #EF21489	FILE #2526FW--CM0006	
FILE: SANTA ANA RIVER REHAB_TOPO_2025.DWG			



SEE SHEET 23

LEGEND

SYMBOL		AREA PATTERN KEY	
	Control Box Undefined		Concrete
	Control Point		Dirt
	Gate, Single		Rip Rap
	Grate Inlet		
	Monitor Well		
	Sign Board		
	Sign Post		
	Utility Pole, Underground		
LINE PATTERN KEY		ABBREVIATION	
	Building Outline	AC	Asphalt Concrete
	Bush Row Outline	CL	Centerline
	Concrete Wall	CLR	Clearance
	Edge of Concrete	CONC	Concrete
	Edge of Asphalt Pavement	CP	Control Point
	Exposed Pipe	EL	Elevation
	Fence Barbed-Wire	ENC	Encroachment
	Fence Chainlink	FD	Found
	Fence Wrought Iron	FS	Finished Surface
	Hand Rail	MLLW	Mean Lower-Low Water
	Hinge Point	TW	Top of Wall
	Right of Way		
	Striping		

O.C.F.C.D.
GREENVILLE-BANNING CHANNEL (D03)
BK 6660 PG 865 O.R.

O.C.F.C.D.
GREENVILLE-BANNING CHANNEL (D03)
BK 6270 PG 88 O.R.

O.C.F.C.D.

O.C.F.C.D.
PARCEL 229
BK 12269/ PG 328 O.R.

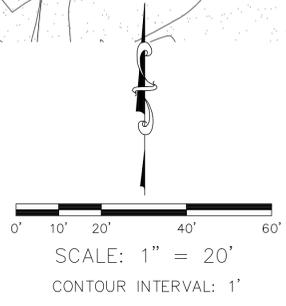
MARSHLANDS

O.C.F.C.D.
PARCEL 229
BK 12269/ PG 328 O.R.

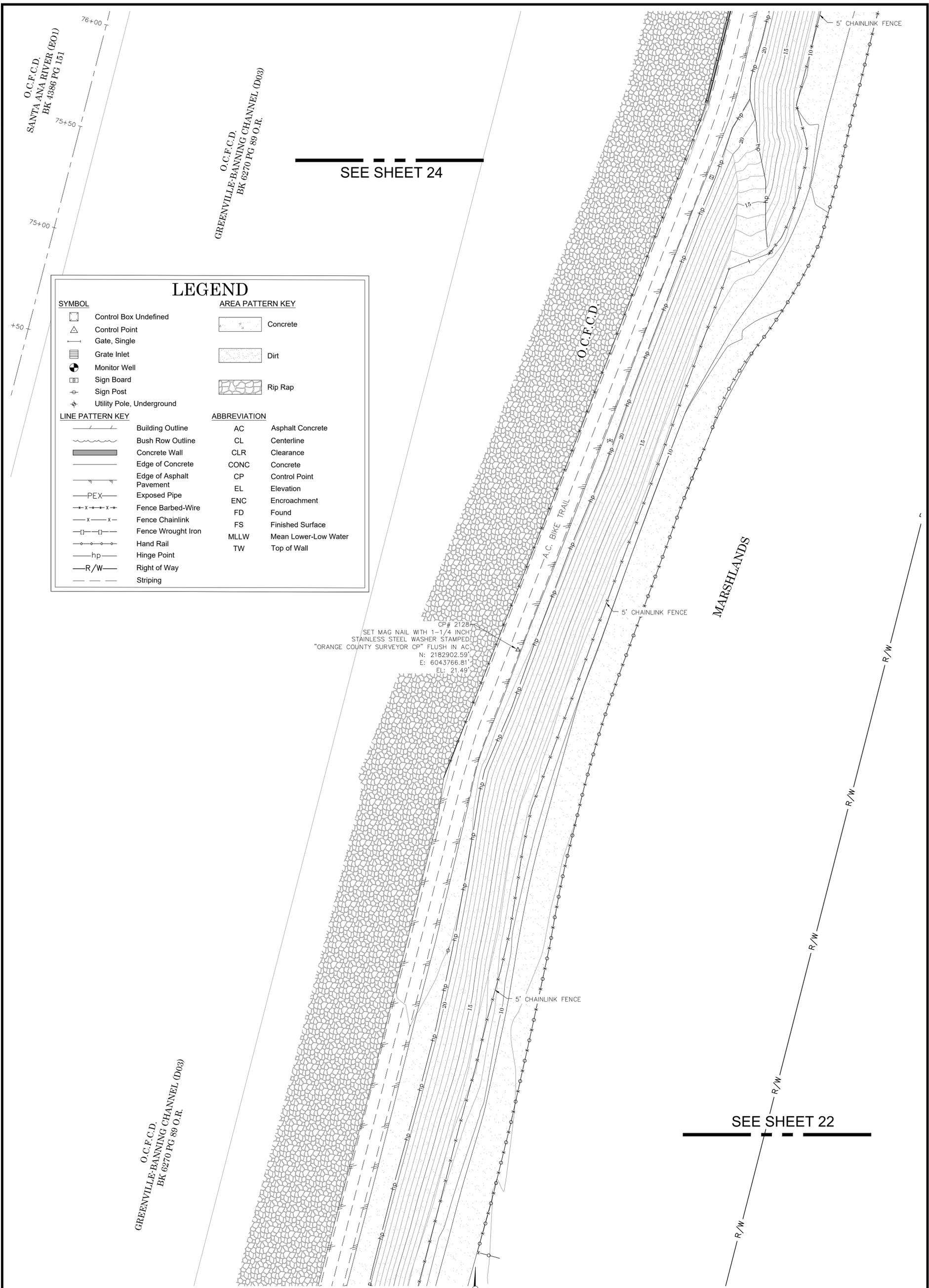
CP # 2129
SET MAG NAIL FLUSH IN AC
N: 2182444.18'
E: 6043632.46'
EL: 20.48'

CP # 2127
SET "MAG"-SPIKE WITH 1-1/2 INCH
STAINLESS STEEL WASHER STAMPED
"ORANGE COUNTY SURVEYOR CP" FLUSH IN AC
N: 2182205.87'
E: 6043581.50'
EL: 20.35'

SEE SHEET 21



COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES			
SANTA ANA RIVER (E01) FENCE REHABILITATION			
TOPOGRAPHIC MAP			
PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK			
DATE OF SURVEY: 06/09/2025	BY: E. HERTZ & CREW	SHEET NO.	
MAPPING	BY: I. ISLAS	22	
OFFICE CHECK	BY: M. KUBISTY, PLS	of	
FIELD CHECK	BY: E. HERTZ & CREW	27	
SCALE: 1"=20'	W.O. #EF21489	FILE #2526FW-CM006	
FILE: SANTA ANA RIVER REHAB_TOPO_2025.DWG			

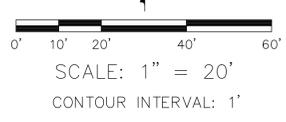


SEE SHEET 24

SEE SHEET 22

LEGEND	
SYMBOL	AREA PATTERN KEY
LINE PATTERN KEY	ABBREVIATION
	AC Asphalt Concrete
	CL Centerline
	CLR Clearance
	CONC Concrete
	CP Control Point
	EL Elevation
	ENC Encroachment
	FD Found
	FS Finished Surface
	MLLW Mean Lower-Low Water
	TW Top of Wall

CP# 2128
 SET MAG NAIL WITH 1-1/4 INCH
 STAINLESS STEEL WASHER STAMPED
 "ORANGE COUNTY SURVEYOR CP" FLUSH IN AC
 N: 2182902.59'
 E: 6043766.81'
 EL: 21.49'

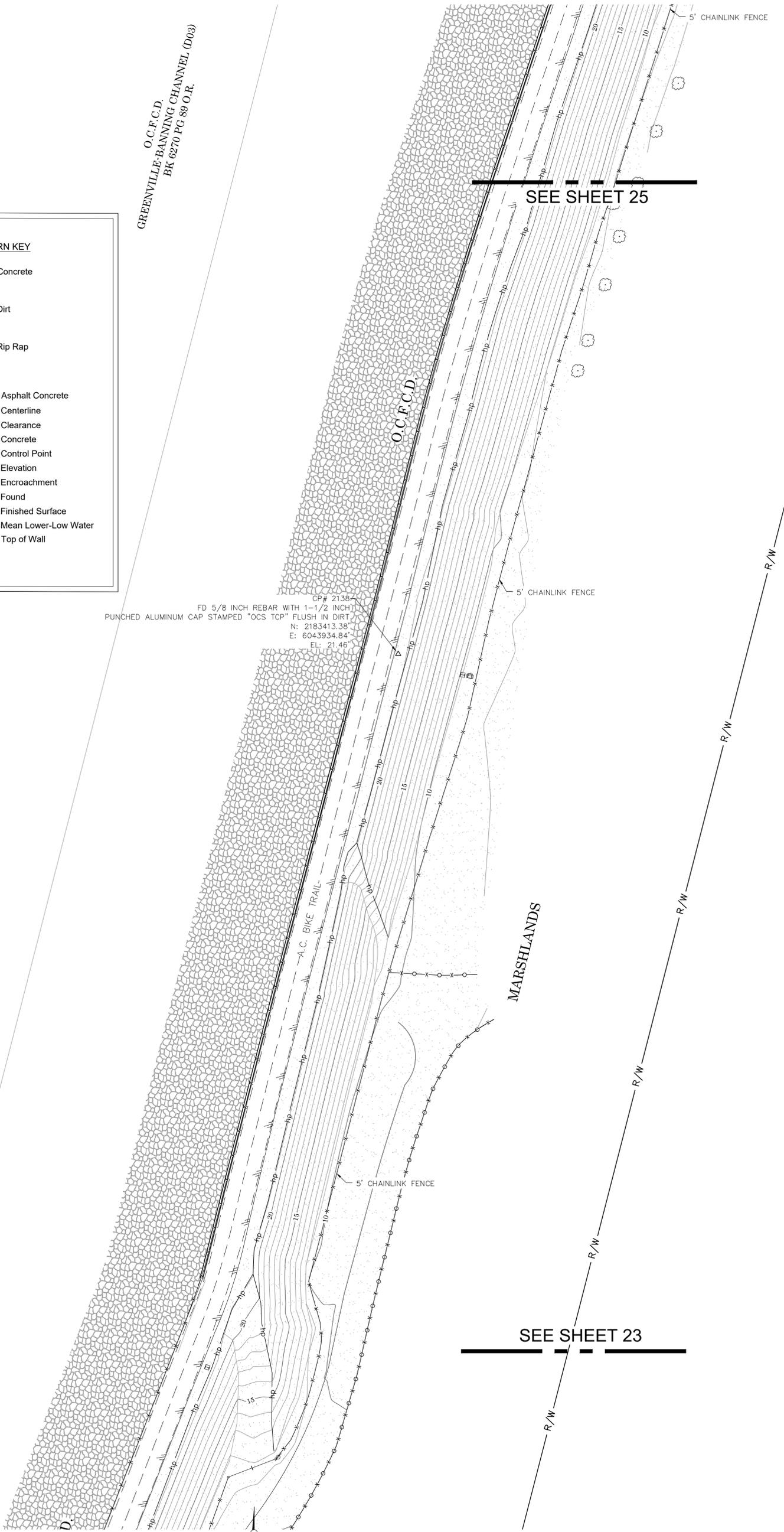


COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES			
SANTA ANA RIVER (E01) FENCE REHABILITATION			
TOPOGRAPHIC MAP			
PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK			
DATE OF SURVEY: 06/09/2025	BY: E. HERTZ & CREW	SHEET NO.	
MAPPING	BY: I. ISLAS	23	
OFFICE CHECK	BY: M. KUBISTY, PLS	of	
FIELD CHECK	BY: E. HERTZ & CREW	27	
SCALE: 1"=20'	W.O. #EF21489	FILE #2526FW-CM0006	
FILE: SANTA ANA RIVER REHAB_TOPO_2025.DWG			

O.C.F.C.D.
SANTA ANA RIVER (E01)
BK 4386 PG 151

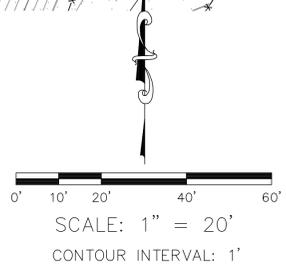
O.C.F.C.D.
GREENVILLE-BANNING CHANNEL (D03)
BK 6270 PG 89 O.R.

LEGEND	
SYMBOL	AREA PATTERN KEY
LINE PATTERN KEY	ABBREVIATION
	AC Asphalt Concrete
	CL Centerline
	CLR Clearance
	CONC Concrete
	CP Control Point
	EL Elevation
	ENC Encroachment
	FD Found
	FS Finished Surface
	MLLW Mean Lower-Low Water
	TW Top of Wall



SEE SHEET 25

SEE SHEET 23



COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES		SANTA ANA RIVER (E01) FENCE REHABILITATION	
TOPOGRAPHIC MAP			
PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK			
DATE OF SURVEY: 06/09/2025	BY: E. HERTZ & CREW	SHEET NO. 24 of 27	
MAPPING	BY: I. ISLAS		
OFFICE CHECK	BY: M. KUBISTY, PLS		
FIELD CHECK	BY: E. HERTZ & CREW		
SCALE: 1"=20'	W.O. #EF21489	FILE # 2526FW-CM006	
FILE: SANTA ANA RIVER REHAB_TOPO_2025.DWG			

O.C.F.C.D.
SANTA ANA RIVER (E01) BK 4386 PG 151
85+50
85+00

SEE SHEET 26

O.C.F.C.D.
GREENVILLE-BANNING CHANNEL (D003)
BK 6270 PG 89 O.R.

O.C.F.C.D.
PARCEL 229
BK 12268J PG 328 O.R.

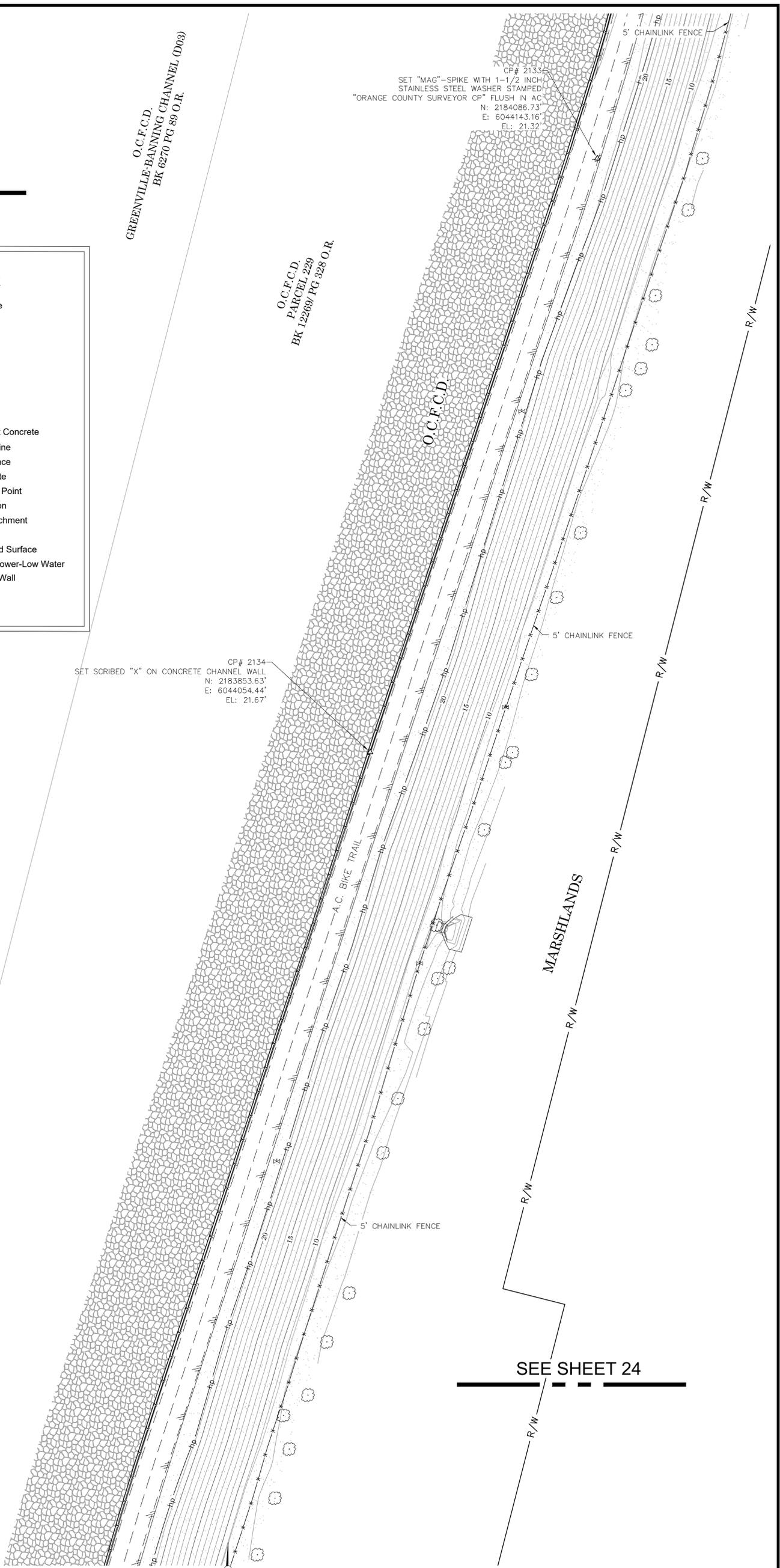
CP# 2133
SET "MAG"-SPIKE WITH 1-1/2 INCH
STAINLESS STEEL WASHER STAMPED
"ORANGE COUNTY SURVEYOR CP" FLUSH IN AC
N: 2184086.73'
E: 6044143.16'
EL: 21.32'

LEGEND

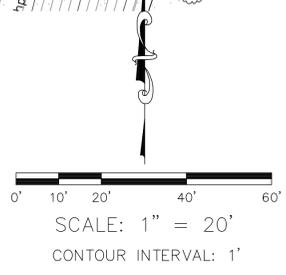
SYMBOL	AREA PATTERN KEY
Control Box Undefined	Concrete
Control Point	Dirt
Gate, Single	Rip Rap
Grate Inlet	
Monitor Well	
Sign Board	
Sign Post	
Utility Pole, Underground	
LINE PATTERN KEY	ABBREVIATION
Building Outline	AC Asphalt Concrete
Bush Row Outline	CL Centerline
Concrete Wall	CLR Clearance
Edge of Concrete	CONC Concrete
Edge of Asphalt Pavement	CP Control Point
Exposed Pipe	EL Elevation
Fence Barbed-Wire	ENC Encroachment
Fence Chainlink	FD Found
Fence Wrought Iron	FS Finished Surface
Hand Rail	MLLW Mean Lower-Low Water
Hinge Point	TW Top of Wall
Right of Way	
Striping	

O.C.F.C.D.
GREENVILLE-BANNING CHANNEL (D003)
BK 6270 PG 89 O.R.

CP# 2134
SET SCRIBED "X" ON CONCRETE CHANNEL WALL
N: 2183853.63'
E: 6044054.44'
EL: 21.67'



SEE SHEET 24



COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES		SANTA ANA RIVER (E01) FENCE REHABILITATION	
TOPOGRAPHIC MAP			
PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK			
DATE OF SURVEY: 06/09/2025	BY: E. HERTZ & CREW	SHEET NO.	
MAPPING	BY: I. ISLAS	25	
OFFICE CHECK	BY: M. KUBISTY, PLS	of	
FIELD CHECK	BY: E. HERTZ & CREW	27	
SCALE: 1"=20'	W.O. #EF21489	FILE # 2526FW--CM0006	
FILE: SANTA ANA RIVER REHAB_TOPO_2025.DWG			

VICTORIA ST.
HAMILTON AVE.

LEGEND	
SYMBOL	AREA PATTERN KEY
LINE PATTERN KEY	ABBREVIATION
	AC Asphalt Concrete
	CL Centerline
	CLR Clearance
	CONC Concrete
	CP Control Point
	EL Elevation
	ENC Encroachment
	FD Found
	FS Finished Surface
	MLLW Mean Lower-Low Water
	TW Top of Wall

O.C.F.C.D.
PARCEL
R404.01 PER
62

GREENVILLE BANNING (D03)
O.C.F.C.D.

O.C.F.C.D.
PARCEL 229
BK 12269/ PG 328 O.R.

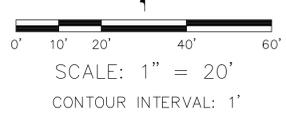
O.C.F.C.D.
GREENVILLE-BANNING CHANNEL (D03)
BK 6270 PG 89 O.R.

O.C.F.C.D.
PARCEL 229
BK 12269/ PG 328 O.R.

CP# 2136
SET "MAG"-NAIL WITH 1-1/4 INCH
STAINLESS STEEL WASHER STAMPED
"ORANGE COUNTY SURVEYOR CP" FLUSH IN AC
N: 2184427.59'
E: 6044249.94'
EL: 21.93'

CP# 2133
SET "MAG"-SPIKE WITH 1-1/2 INCH
STAINLESS STEEL WASHER STAMPED
"ORANGE COUNTY SURVEYOR CP" FLUSH IN AC
N: 2184086.73'
E: 6044143.16'
EL: 21.32'

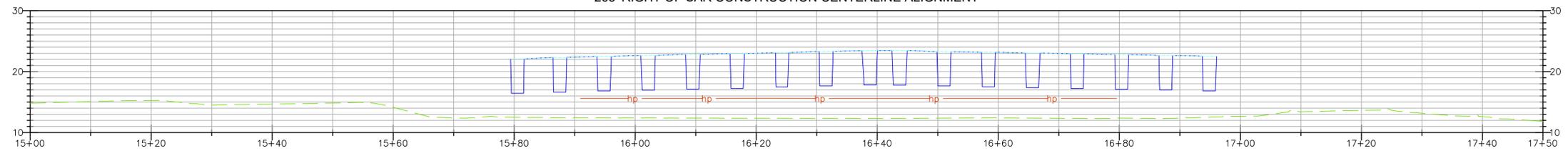
SEE SHEET 25



COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES		SANTA ANA RIVER (E01) FENCE REHABILITATION	
TOPOGRAPHIC MAP			
PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK			
DATE OF SURVEY: 06/09/2025	BY: E. HERTZ & CREW	SHEET NO.	
MAPPING	BY: I. ISLAS	26	
OFFICE CHECK	BY: M. KUBISTY, PLS	of	
FIELD CHECK	BY: E. HERTZ & CREW	27	
SCALE: 1"=20'	W.O. #EF21489	FILE #2526FW--CM006	
FILE: SANTA ANA RIVER REHAB_TOPO_2025.DWG			

BRIDGE OVER PACIFIC COAST HIGHWAY AND THE SANTA ANA RIVER

GIRDER X-SEC AT SE'LY BRIDGE ABUTMENT 265' RIGHT OF SAR CONSTRUCTION CENTERLINE ALIGNMENT



SOFFIT
GIRDER
CONCRETE HINGEPOINT/BOTTOM ABUTMENT
2025 GROUND
DATE PREPARED: 12/26/2025



Vert. Scale: 1"=20'
Hor. Scale: 1"=20'



		COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION / SURVEY-FIELD SERVICES	
		SANTA ANA RIVER (E01) FENCE REHABILITATION	
		SECTION	
		PROJECT LIMITS: FROM PACIFIC COAST HIGHWAY TO TALBERT REGIONAL PARK	
		DATE OF SURVEY: 06/09/2025	BY: E. HERTZ & CREW
		MAPPING	BY: I. ISLAS
		OFFICE CHECK	BY: M. KUBISTY, PLS
		FIELD CHECK	BY: E. HERTZ & CREW
		SCALE: 1"=10'	W.O. #EF21489
			FILE #2526PW-CM0006
		FILE: SANTA ANA RIVER REHAB_TOPO_2025.DWG	
		REVISIONS	
			SHEET NO. 27 of 27