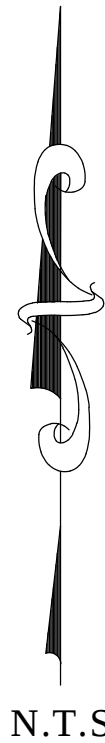
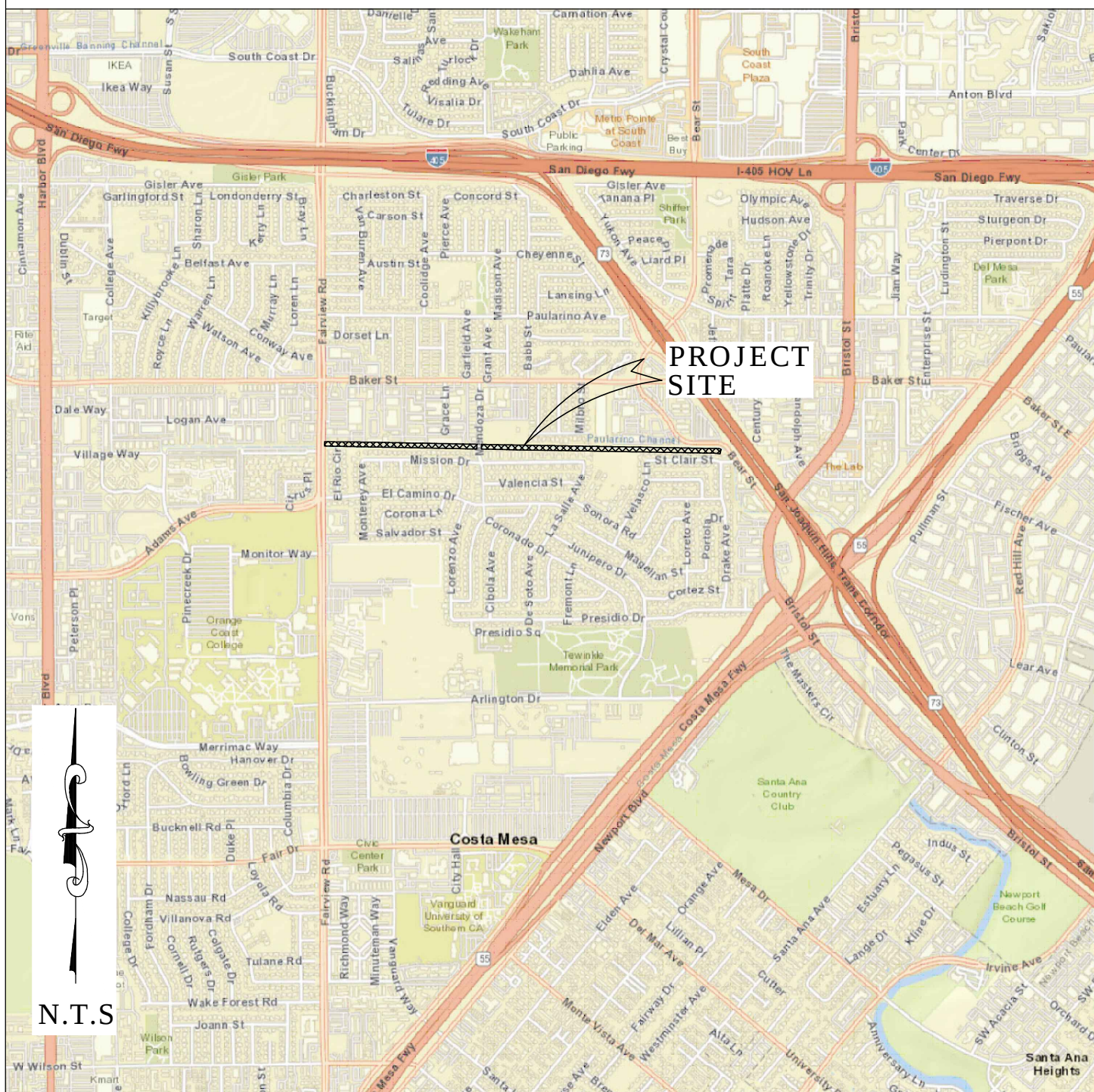




OC PUBLIC WORKS DEPARTMENT
JAMES TREADAWAY, DIRECTOR OF PUBLIC WORKS
KEVIN HILLS, COUNTY SURVEYOR
PAULARINO CHANNEL
REHABILITATION OF CHANNEL



LOCATION MAP



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 SURVEYOR'S ACT, THIS 20 DAY OF MARCH, 2024.

Jesom Moreno

JESOM MORENO, PLS. SENIOR LAND SURVEYOR

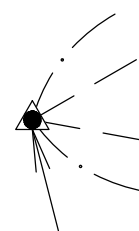


DEPUTY COUNTY SURVEYOR'S STATEMENT:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYORS' ACT; THIS 20 DAY OF MARCH, 2024.

Michael LaFontaine

MICHAEL LAFONTAINE, PLS. DEPUTY COUNTY SURVEYOR



FOUND CGPS "FVPK"
N: 2188769.57
E: 6048756.25
THIS IS A CONTINUOUS GPS STATION (CGPS) AND IS PART OF THE CALIFORNIA SPATIAL REFERENCE NETWORK (CSRN)

FOUND CGPS "TRAK"
N: 2171992.61
E: 6088761.20
THIS IS A CONTINUOUS GPS STATION (CGPS) AND IS PART OF THE CALIFORNIA SPATIAL REFERENCE NETWORK (CSRN)

TOPOGRAPHIC MAPPING PROJECT

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2017.50) EPOCH ADJUSTMENT, AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS GLOBAL POSITIONING STATIONS CGPS STATIONS (TRAK) AND (FVPK) BEING NORTH 67°14'53" 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 1.00002483.

THIS COMBINATION FACTOR WAS HELD AT: CP#109
N: 2194260.41' E: 6059227.17' EL: 44.07'

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

VERTICAL DATUM

O.C.S. BM. SA-289-77 ELEV. = 43.268' YEAR LEVELED: 2010

NAVD 1988 (O.C.S. 1995 ADJUSTMENT)

DESCRIPTION: FOUND 3 3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "SA-289-77", SET IN A 4" BY 4" CONCRETE POST. MONUMENT IS LOCATED AT THE INTERSECTION OF BAKER STREET AND LOREN STREET, 10.3 FT. NORTHERLY FROM THE SOUTH END OF THE CENTER MEDIAN ALONG LOREN STREET, MONUMENT IS SET LEVEL WITH SIDEWALK

NOTES

THE SURVEY INFORMATION SHOWN HEREON IS TO BE USED FOR TOPOGRAPHIC RELATIONSHIPS ONLY AND IS NOT INTENDED FOR LAND ACQUISITION OR BOUNDARY PURPOSES.

SHEET INDEX

SHEET	NO.	DESCRIPTION
SHEET	1	TITLE SHEET
SHEETS	2-5	BOUNDARY MAP
SHEETS	6-7	ALIGNMENT MAP
SHEETS	8-23	TOPOGRAPHIC MAP

BASIS OF STATIONING

THE BASIS OF STATIONING SHOWN HEREON IS STA 74+54.67 PER RECORD PLAN F03-701-1-A DATED JANUARY 1960 HELD AT THE CENTERLINE INTERSECTION OF THE PAULARINO CHANNEL (F03) AND FAIRVIEW AVENUE.

PURPOSE OF SURVEY

THE PURPOSE OF THE SURVEY IS TO PROVIDE A TOPOGRAPHIC MAP AND RIGHT OF WAY ESTABLISHMENT FOR THIS PORTION OF THE PAULARINO CHANNEL (F03).

		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
		PAULARINO CHANNEL REHABILITATION OF CHANNEL		
		TITLE SHEET		
		PROJECT LIMITS: FROM EASTERLY SIDE OF FAIRVIEW AVENUE AND PAULARINO CHANNEL TO WESTERLY SIDE OF BEAR STREET AND PAULARINO CHANNEL		
		DATE OF SURVEY: 03/07/2022	BY: E. HERTZ & CREW	SHEET NO. 1 of 23
		MAPPING	BY: P. MAGUIRE	
		OFFICE CHECK	BY: J. MORENO, PLS	
		FIELD CHECK	BY: E. HERTZ	
		SCALE: N.T.S.	W.O. #EF21472	
		FILE: PAULARINO_TOPO_2021.DWG		
MARK	DATE	ITEM	REVISIONS	

MONUMENT NOTES

- 1

FOUND 2" PUNCHED BRASS DISK NO STAMPING. NO REFERENCE AS SHOWN ON R4, DOWN 1.20' IN O.C.S. WELL MONUMENT, ACCEPTED AS THE CENTERLINE INTERSECTION OF BAKER STREET AND FAIRVIEW ROAD.
- 2

FOUND LEAD, TACK, AND 3/4" BRASS TAG, STAMPED "O.C.S. TIE", FLUSH IN CONCRETE CURB, ACCEPTED AS A TIE PER R25.
- 3

FOUND LEAD, TACK, AND 3/4" BRASS TAG, STAMPED "LS 8231", FLUSH IN CONCRETE CURB, ACCEPTED AS A TIE PER R25.
- 4

FOUND LEAD, TACK, AND 3/4" BRASS TAG, STAMPED "LS 5411", FLUSH IN CONCRETE CURB, ACCEPTED AS A TIE PER R25.
- 5

FOUND CHISELED X, FLUSH IN CONCRETE CURB, ACCEPTED AS A TIE PER R25.
- 6

FOUND LEAD, TACK, AND 3/4" BRASS TAG, STAMPED "O.C.S. TIE", FLUSH IN CONCRETE CURB, ACCEPTED AS A TIE PER R25.
- 7

FOUND PUNCHED SPIKE AND 1 1/2" BRASS WASHER, STAMPED "LS 4316", NO REFERENCE, FLUSH IN AC, N44°29'05"E 0.98' FROM THE ESTABLISHED CENTERLINE EC OF MENDOZA DRIVE.
- 8

FOUND PUNCHED SPIKE AND 1 3/4" BRASS WASHER, STAMPED "LS 4845", NO REFERENCE, FLUSH IN AC, ACCEPTED AS INTERSECTION OF MENDOZA DRIVE CL & N'LY RIGHT OF WAY OF PAULARINO CHANNEL.
- 9

FOUND SPIKE AND 1 1/2" BRASS WASHER, STAMPED "LS 6970", PER R23, FLUSH IN AC, N00°58'01"E 0.50' FROM CENTERLINE INTERSECTION OF MENDOZA DRIVE AND BAKER STREET.
- 10

FOUND SPIKE AND 1 1/2" BRASS WASHER, STAMPED "LS 6970", PER R27, FLUSH IN AC, ACCEPTED AS THE CENTERLINE INTERSECTION OF BAKER STREET AND BABB STREET NORTH.
- 11

FOUND SPIKE AND 1 1/2" BRASS WASHER, STAMPED "LS 9297", PER R43, FLUSH IN AC, ACCEPTED AS THE INTERSECTION OF THE CENTERLINE OF BAKER STREET AND APPARENT N'LY PROLONGATION OF W'LY LINE OF LOT 1 PER TRACT NO. 17980.
- 12

FOUND SPIKE AND 1 1/2" STEEL WASHER, STAMPED "LS 5411", PER R26, FLUSH IN AC, ACCEPTED AS THE CENTERLINE PRC OF BEAR STREET.
- 13

FOUND SPIKE AND 1 1/2" STEEL WASHER, STAMPED "LS 5411", PER R29, FLUSH IN AC, ALONG THE W'LY LINE OF LOT 12 OF BLOCK 8 OF BERRY TRACT AS SHOWN PER R14 N01°00'02"E 0.05' FROM THE INTERSECTION OF THE S'LY PROLONGATION OF THE E'LY LINE OF PARCEL 1 PER R14 WITH THE CENTERLINE OF BEAR STREET.
- 14

FOUND LEAD, TACK, AND 3/4" BRASS WASHER, STAMPED "LS 7780" PER R3, FLUSH IN CONCRETE, ACCEPTED AS THE CENTERLINE PI INTERSECTION OF BEAR ST PER R3
- 15

FOUND SPIKE AND 1 1/2" STEEL WASHER, STAMPED "LS 5411", PER R30, FLUSH IN AC, ACCEPTED AS THE CENTERLINE INTERSECTION OF BEAR STREET AND SAINT CLAIR STREET.
- 16

FOUND SPIKE AND 1 1/2" BRASS WASHER, STAMPED "LS 5411", PER R30, FLUSH IN AC, N56°28'17"E 0.31' FROM THE INTERSECTION OF SAINT CLAIR STREET CL AND THE E'LY LINE OF PAULARINO CHANNEL.
- 17

FOUND 2" IRON PIPE, AND TAG STAMPED "LS 2383" PER R48, DOWN 0.40' IN DIRT, N89D01°31'W 0.10' FROM THE ANGLE POINT ON THE E'LY LINE OF LOT 1 ALONG THE E'LY LINE OF TRACT NO 4184 AS SHOWN ON R5
- 18

FOUND 1" IRON PIPE AND PLASTIC CAP STAMPED "LS 7584", PER R5, FLUSH IN DIRT, ACCEPTED AS THE NW'LY CORNER OF A PORTION OF LOT 5 PER R5
- 19

FOUND LEAD, TACK, AND 3/4" BRASS TAG, STAMPED "LS 5411", FLUSH IN CONCRETE CURB, ACCEPTED AS A TIE PER R24.
- 20

FOUND SPIKE AND 1 1/4" BRASS WASHER, STAMPED "RCE 31720", PER R41, FLUSH IN AC, ACCEPTED AS THE INTERSECTION OF MENDOZA DRIVE AND EL CAMINO DRIVE.
- 21

FOUND BRASS NAIL AND 3/4" BRASS TAG STAMPED "RCE 11066". PER R14, FLUSH WITH TOP OF CONCRETE, ACCEPTED AS A RADIAL POINT 3.00' SW'LY FROM THE RIGHT OF WAY BC OF BEAR STREET
- 22

FOUND BRASS NAIL AND 3/4" BRASS TAG STAMPED "RCE 11066". PER R14, FLUSH WITH TOP OF CONCRETE, ACCEPTED AS A POINT ON A 3.00' OFFSET FROM THE SE'LY CORNER OF PARCEL 1 PER R14
- 23

FOUND 2" IRON PIPE, AND TAG STAMPED "RCE 8793". NO REFERENCE AS SHOWN ON R3, DOWN 0.70' IN DIRT, S71°14'01"W 0.14' FROM THE INTERSECTION OF THE E'LY LINE OF LOT 15 AND THE N'LY LINE OF PAULARINO CHANNEL.
- 24

FOUND 2" IRON PIPE, AND TAG STAMPED "LS 2312". NO REFERENCE, DOWN 0.60' IN DIRT, S00°24'26"W 0.09' FROM THE S'LY RIGHT OF WAY OF PAULARINO CHANNEL.
- 25

FOUND 2" IRON PIPE, AND TAG STAMPED "RCE 8793". NO REFERENCE AS SHOWN ON R3, FLUSH IN DIRT, N01°01'40"E 0.10' FROM N'LY RIGHT OF WAY OF PAULARINO CHANNEL.
- 26

FOUND 2" IRON PIPE, OPEN WITH NO TAG. NO REFERENCE, FLUSH IN DIRT, S26°04'32"E 0.65' FROM THE S'LY RIGHT OF WAY OF PAULARINO CHANNEL.
- 27

FOUND 2" IRON PIPE, WITH TAG STAMPED "LS 6178" IN LIEU OF 1" IRON PIPE PER R2, FLUSH IN DIRT, ACCEPTED AS INTERSECTION OF THE N'LY RIGHT OF WAY PAULARINO CHANNEL AND EAST LINE OF LOT 8 BLOCK A BERRY TRACT PER R2.
- 28

FOUND 1" IRON PIPE, AND TAG STAMPED "RCE 11066". PER R15, FLUSH IN DIRT, S26°49'26"W 0.18' FROM THE INTERSECTION OF THE N'LY RIGHT OF WAY OF PAULARINO CHANNEL AND W'LY LINE OF PROPERTY SHOWN PER R2.
- 29

FOUND 1" IRON PIPE, AND TAG STAMPED "LS 7780". PER R3, DOWN 0.30 IN DIRT, ACCEPTED AS THE SE'LY CORNER OF LOT 106 PER R46 AND N88°57'41"E 0.13' (0.11' R3) FROM THE RIGHT OF WAY EC AT THE NORTH WEST CORNER OF SAINT CLAIR STREET AND BEAR STREET.
- 30

FOUND 2-1/2" IRON PIPE, AND TAG STAMPED "RCE 8758". NO REFERENCE, DOWN 0.15 IN DIRT, N45°01'18"W 0.17' FROM THE SW CORNER OF LOT 9 PER R50.
- 31

FOUND BRASS NAIL AND 3/4" BRASS TAG STAMPED "LS 2921". NO REFERENCE, FLUSH WITH CONCRETE FOOTING, NOT ACCEPTED. N54°53'25"E 0.37' FROM THE SW CORNER OF LOT 9 PER R50.
- 32

FOUND BRASS NAIL AND 3/4" BRASS TAG STAMPED "RCE 8758". NO REFERENCE, FLUSH WITH CONCRETE FOOTING, ALONG THE E'LY LINE OF PAULARINO CHANNEL, N06°22'22"E 0.19' FROM THE NW CORNER OF LOT 9 PER R50.

ESTABLISHMENT NOTES

- A

S.F.N. ESTABLISHED THE CENTERLINE INTERSECTION OF ADAMS AVE. AND FAIRVIEW RD. AS SHOWN ON R10 BY TIES PER R20.
- B

ESTABLISHED THE CENTERLINE OF FAIRVIEW ROAD BY HOLDING A LINE BETWEEN MONUMENT [11](#) AND ESTABLISHMENT NOTE [D](#)
- C

ESTABLISHED THE NW'LY CORNER OF TRACT NO. 4204 PER R40 BY HOLDING A RECORD DISTANCE OF 825.45' PER R40 SW'LY OF MONUMENT [11](#) ALONG ESTABLISHMENT NOTE [D](#)
- D

ESTASHED THE CENTERLINE OF MENDOZA DRIVE PER R42 BY LEAST SQUARES ADJUSTMENT BETWEEN MONUMENTS [8](#), [9](#), AND [20](#)
- E

ESTABLISHED THE CENTERLINE INTERSECTION OF MENDOZA DRIVE AND THE N'LY LINE OF THE PAULARINO CHANNEL RIGHT OF WAY AS SHOW ON R42 BY HOLDING MONUMENT [8](#) ALONG ESTABUSHMENT NOTE [D](#)
- F

ESTABLISHED THE S'LY LINE OF LOT 8, BERRY RANCHO AS SHOWN PER R42 BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTES [D](#) TO THE ANGLE POINT ALONG MENDOZA DRIVE PER R42
- G

ESTABLISHED THE N'LY RIGHT OF WAY OF PAULARINO CHANNEL HOLDING A LINE PARALLEL WITH, & A RECORD DISTANCE OF 10' PER R71 N'LY OF LINE ESTABLISHMENT [D](#) AND [D](#)
- H

ESTABLISHED THE S'LY RIGHT OF WAY OF PAULARINO CHANNEL HOLDING A LINE PARALLEL WITH, & A RECORD DISTANCE OF 50' PER R40 & R42 S'LY OF LINE ESTABLISHMENT [D](#) AND [D](#)
- I

ESTABLISHED THE N'LY LINE OF LOT 8, BY HOLDING E'LY PROLONGATION OF ESTABLISHMENT NOTE [D](#) A RECORD DISTANCE OF 618.14' PER R42
- J

ESTABLISHED THE W'LY LINE OF BLOCK B BERRY TRACT PER R45 BY HOLDING A LINE FROM MONUMENT [10](#) AND THE E'LY TERMINUS OF ESTABLISHMENT NOTE [D](#)
- K

ESTABLISHED THE NW'LY CORNER OF LOT 75 PER R45 HOLDING A POINT ALONG THE ESTABLISHMENT NOTE [D](#) A RECORD DISTANCE OF 10.00' PER R45 N'LY FROM ESTABLISHMENT NOTE [D](#)
- L

ESTABLISHED N'LY RIGHT OF WAY OF PAULARINO CHANNEL BY HOLDING A LINE PARALLEL AND 10.00' N'LY OF ESTABLISHMENT NOTE [D](#) E'LY FROM ESTABLISHMENT NOTE [D](#)
- M

ESTABLISHED THE S'LY RIGHT OF WAY OF PAULARINO CHANNEL BY HOLDING A LINE PARALLEL WITH, & A RECORD DISTANCE OF 50' PER R46, R47 S'LY OF LINE ESTABLISHMENT [D](#)
- N

ESTABLISHED THE CENTERLINE OF BEAR STREET BY HOLDING A LINE BETWEEN MONUMENTS [14](#) AND [15](#)
- O

ESTABLISHED THE CENTERLINE OF BEAR STREET HOLDING RECORD CURVE INFORMATION PER R14 NW'LY AND TANGENT FROM THE W'LY TERMINUS OF ESTABLISHMENT NOTE [D](#)
- P

ESTABLISHED THE NW'LY CORNER OF R69 BY HOLDING A RECORD DISTANCE OF 98.57' PER R69 W'LY ALONG PROLONGATION OF ESTABLISHMENT NOTE [D](#) FROM ESTABLISHMENT NOTE [D](#)
- Q

ESTABLISHED THE NE'LY RIGHT OF WAY OF PAULARINO CHANNEL PER R69 HOLDING RECORD ANGLE AND DISTANCE 83.76' SE'LY FROM ESTABLISHMENT NOTE [D](#)
- R

ESTABLISHED THE CENTERLINE OF BEAR STREET BY HOLDING A LINE W'LY FROM MONUMENT [14](#) AND PARALLEL TO ESTABLISHMENT NOTE [D](#) TO A POINT 2.46' WEST OF THE W'LY LINE OF LOT 12 OF BLOCK B BERRY TRACT AS SHOWN PER R14
- S

ESTABLISHED THE NE'LY RIGHT OF WAY OF PAULARINO CHANNEL HOLDING RECORD CURVE INFORMATION PER R69 SE'LY AND TANGENT FROM ESTABLISHMENT NOTE [D](#)
- T

ESTABLISHED THE NE'LY RIGHT OF WAY OF PAULARINO CHANNEL HOLDING A LINE TANGENT TO ESTABLISHMENT NOTE [D](#) AND SE'LY TO THE E'LY LINE OF LOT B OF R46 PER R69
- U

ESTABLISHED THE E'LY LINE OF R48 AND R46 BY HOLDING A LINE BETWEEN MONUMENT [18](#) AND A POINT ALONG ESTABLISHMENT NOTE [D](#) A RECORD DISTANCE OF 17.05' PER R3 W'LY OF MONUMENT [15](#)
- W

ESTABLISHED THE CENTERLINE OF BAKER STREET BY HOLDING A LINE BETWEEN MONUMENT NOTES [11](#) AND [10](#)
- X

ESTABLISHED THE W'LY LINE OF PAULARINO CHANNEL BY HOLDING A LINE PARALLEL WITH AND RECORD DISTANCE 60' W'LY FROM ESTABLISHMENT NOTE [D](#) PER R46 AND R48
- Y

ESTABLISHED THE S'LY 7.00' OF LOT 6 AND THE W'LY 100.00' OF LOT 7 OF THE BERRY TRACT BY HOLDING RECORD INFORMATION PER R70 AS SHOWN ON R11 AND R15
- Z

ESTABLISHED THE CENTERLINE OF BAKER STREET BY PROLONGATION OF ESTABLISHMENT NOTE [D](#) E'LY FROM MONUMENT NOTE [11](#) 601.74' PER R43
- AA

ESTABLISHED THE CENTERLINE OF BAKER STREET BY HOLDING A LINE BETWEEN MONUMENT NOTES [10](#) AND [11](#)
- AB

ESTABLISHED THE SW'LY RIGHT OF WAY LINE OF PAULARINO CHANNEL BY HOLDING RECORD RADIUS PER R3 AND TANGENT TO ESTABLISHMENT NOTE [D](#) AND A LINE 5.00' SOUTH AND PARALLEL WITH ESTABLISHMENT NOTE [D](#)
- AC

ESTABLISHED THE RIGHT OF WAY JOG ALONG THE S'LY RIGHT OF WAY LINE OF PAULARINO CHANNEL BY HOLDING A LINE FROM THE W'LY TERMINUS OF ESTABLISHMENT NOTE [D](#) TO A POINT PERPENDICULAR WITH ESTABLISHMENT NOTE [D](#)
- AD

ESTABLISHED THE E'LY LINE OF PAULARINO CHANNEL EAST OF ESTABLISHMENT NOTE [D](#) BY HOLDING A LINE PARALLEL A RECORD DISTANCE OF 70' E'LY OF ESTABLISHMENT NOTES [D](#) AND [D](#) PER R50
- AE

ESTABLISHED THE CENTERLINE ANGLE POINT OF BEAR STREET BY PROLONGATION OF LINE ESTABLISHMENT [D](#) SE'LY 177.57' PER R3 FROM MONUMENT NOTE [15](#)

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L1	N35°50'09"W	475.86'	(475.83' R3)
L2	N88°59'58"W	284.67'	(284.63' R3)
L3	N88°59'58"W	282.62'	(282.63' R3)
L4	N88°59'58"W	28.76'	-----
L5	N88°59'58"W	311.39'	-----
L6	N01°00'02"E	5.00'	(5.00' R46)
L7	N88°59'58"W	55.85'	-----
L8	N36°45'43"W	83.76'	(83.76' R69)
L9	N32°21'33"W	63.66'	(63.60' R69)
L10	N35°50'09"W	122.98'	(123.01' R3)
L11	N00°58'29"E	11.19'	-----
L12	N88°57'41"W	54.16'	(54.10' R46)
L13	N88°57'41"W	136.67'	(136.67' R3)
L14	N88°57'41"W	129.65'	(129.63' C R46)
L15	N35°50'09"W	438.01'	(437.90' R3)
L16	N35°50'09"W	145.07'	(145.08' R3)
L17	N33°30'59"W	585.45'	(585.46' R3)
L18	N33°30'59"W	538.82'	(538.83' R3)
L19	N35°50'09"W	238.57'	-----
L20	N88°54'56"W	588.14'	(588.14' R42)
L21	N88°54'56"W	587.54'	(587.55' R42)
L22	N15°52'09"W	33.54'	(33.77' R42)
L23	N00°24'26"E	80.22'	(80.38' R42)
L24	N00°24'26"E	80.37'	(80.76' R42)
L25	N00°24'26"E	30.57'	(30.76' R42)

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L26	N00°24'26"E	49.80'	(50.00 R42)
L27	N00°24'26"E	50.21'	(50.00' R42)
L28	N00°43'45"E	24.95'	(24.97' R40)
L29	N00°58'01"E	10.21'	(10.00' R42)
L30	N00°58'01"E	10.00'	(10.00' R42)
L31	N00°58'01"E	9.79'	(10.00' R42)
L32	N00°43'45"E	3.00'	(3.00' R12)
L33	N00°43'45"E	50.00'	(50.00' R40)
L34	N88°57'41"W	7.01'	(7.03' R3)
L35	N00°58'29"E	10.00'	-----
L36	N88°57'41"W	7.06'	(7.03' R3)
L37	N00°58'29"E	28.84'	(28.30' R3)
L38	N00°58'29"E	18.84'	-----
L39	N88°57'41"W	7.32'	(7.35' R3)
L40	N00°58'29"E	27.39'	(27.92 R50)
L41	N35°50'09"W	298.30'	(298.26' R3)
L42	N35°50'09"W	177.56'	(177.57' R3)
L43	N88°59'58"W	370.44'	(370.42' R3)
L44	N00°58'29"E	356.23'	(356.24' C R46/R48)
L45	N00°58'29"E	356.23'	(356.22' C R50)
L46	N00°58'29"E	831.57'	(831.16' C R46/R48)
L47	N88°59'58"W	52.69'	(52.69' R42)
L48	N88°59'58"W	53.27'	(53.28' R42)
L49	N88°59'58"W	44.03'	(44.03' R72)
L50	N00°58'29"E	66.96'	(66.97' R50)

REFERENCES

- (R1) = RECORD OF SURVEY RSB 29/5
- (R2) = RECORD OF SURVEY RSB 174/45
- (R3) = RECORD OF SURVEY RSB 238/44-46
- (R4) = RECORD OF SURVEY RSB 102/13-14
- (R5) = RECORD OF SURVEY RSB 301/25
- (R10) = PARCEL MAP, P.M.B. 45/8-9
- (R11) = PARCEL MAP, P.M.B. 45/15
- (R12) = PARCEL MAP, P.M.B. 45/19
- (R13) = PARCEL MAP P.M.B. 318/46-50
- (R14) = PARCEL MAP P.M.B. 163/2-4
- (R15) = PARCEL MAP P.M.B. 17/46
- (R20) = CORNER RECORD, C.R. 2021-3464
- (R21) = CORNER RECORD CR 2006-0350
- (R22) = CORNER RECORD CR 2001-1606
- (R23) = CORNER RECORD CR 2008-3060B
- (R24) = CORNER RECORD CR 2018-0483B
- (R25) = CORNER RECORD CR 2023-1402
- (R26) = CORNER RECORD CR 2010-2460
- (R27) = CORNER RECORD CR 2008-2232
- (R28) = CORNER RECORD CR 2008-2233
- (R29) = CORNER RECORD CR 2010-2457
- (R30) = CORNER RECORD CR 2010-2458
- (R40) = TRACT NO. 4204, M.M. 149/24-28
- (R41) = TRACT NO.16917, M.M.895/32-34
- (R42) = TRACT NO. 3922, M.M. 174/39-42
- (R43) = TRACT NO. 17980, M.M. 967/25-29
- (R44) = TRACT NO. 3878, M.M. 160/26-27
- (R45) = TRACT NO. 2896, M.M. 89/9-10
- (R46) = TRACT NO. 4260, M.M. 157/28-33
- (R47) = TRACT NO. 5011, M.M. 180/15-17
- (R48) = TRACT NO. 4184, M.M. 146/38-40
- (R49) = TRACT NO. 10445, M.M. 449/12-17
- (R50) = TRACT NO. 3897, M.M. 138/5-6
- (R51) = TRACT NO. 4232, M.M. 148/21-22
- (R52) = TRACT NO. 15570, M.M. 768/22-23
- (R69) = DEED BK. 8435/13 O.R.
- (R70) = DEED BK. 5107/370 O.R.
- (R71) = DEED BK. 3945/544 O.R.
- (R72) = DEED BK. 5061/572 O.R.
- (R80) = C.S.T.B. 136/24-27
- (R100) = IMPROVEMENT PLANS PAULARINO CHANNEL F-3, JANUARY 1960 (F03-701-1-A)

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.

REFERENCE DOCUMENTS IN THE REFERENCE LEGEND ARE LIVE HYPERLINKS TO SAID DOCUMENT.

MONUMENT SYMBOLS CONTAIN LIVE HYPERLINKS TO IMAGES, IF THEY EXIST, OF RESPECTIVE MONUMENT.

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2017.50) EPOCH ADJUSTMENT, AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS GLOBAL POSITIONING STATIONS CGPS STATIONS (TRAK) AND (FVPK) BEING NORTH 67°14'53" 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 1.00002483.

THIS COMBINATION FACTOR WAS HELD AT: CP#109
N:2194260.41' E:6059227.17' EL:44.07'

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

EASEMENT NOTES

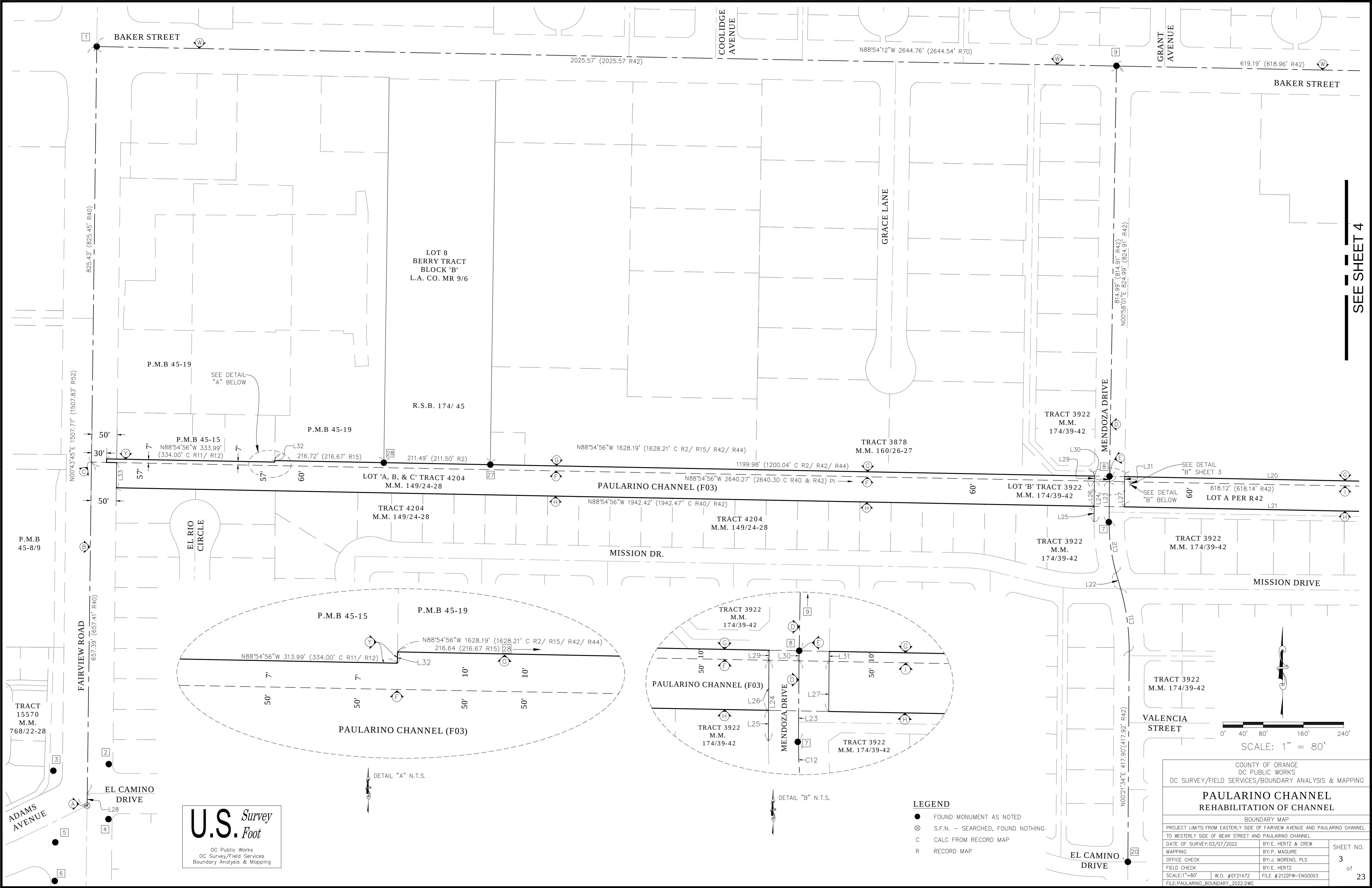
- 1

20' WIDE EASEMENT GRANTED TO O.C.F.C.D. FOR DRAINAGE PURPOSES ALONG THE SOUTHERLY BOUNDARY OF TRACT 2896 PER R45 M.M. 89 PAGE 9-10
- 2

12' WIDE EASEMENT GRANTED TO O.C.F.C.D. FOR DRAINAGE PURPOSES ALONG THE SOUTHERLY BOUNDARY OF TRACT 4260 PER R46 M.M. 157 PAGE 28-33

CURVE TABLE						
CURVE #	DELTA	RADIUS	LENGTH	RECORD DELTA	RECORD RADIUS	RECORD LENGTH
C1	63°52'52"	299.99'	334.47'	(63°51'44" R3)	(300.00' R3)	(334.38' R3)
C2	63°52'52"	271.99'	303.25'	(63°51'44" R3)	(272.00' R3)	(303.17' R3)
C3	63°52'52"	324.99'	362.35'	(63°51'44" R3)	(325.00' R3)	(362.25' R3)
C4	38°11'03"	206.99'	137.95'	(38°12'31" R3)	(207.00' R3)	(138.04' R3)
C5	53°09'49"	153.00'	141.96'	(53°09'05" R3)	(153.00' R3)	(141.93' R3)
C6	17°08'48"	224.99'	67.33'	(17°08'46" R72)	(225.00' R72)	(67.33' R72)
C7	89°58'28"	160.00'	251.26'	(89°59'27" R46)	(160.00' R46)	(251.30' R46)
C8	16°57'28"	229.99'	68.07'	(16°57'21" R50)	(230.00' R50)	(68.07' R50)
C9	4°24'10"	275.99'	21.21'	(04°24'10" R69)	(276.00' R69)	(21.21' R69)
C10	126°52'28"	15.00'	33.22'	(126°50'53" R3)	(15.00' R3)	(33.21' R3)
C11	16°13'43"	443.99'	125.76'	(16°13'40" R42)	(444.00' R42)	(125.75' R42)
C12	16°16'36"	359.99'	102.27'	(16°13'40" R42)	(360.00' R42)	(101.96' R42)
C13	2°46'49"	229.99'	11.16'	(2°54'57" R50)	(230.00' R50)	(11.70' R50)
C14	14°10'39"	229.99'	56.91'	(14°02'30" C R50)	(230.00' R50)	(56.37' C R50)

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			PAULARINO CHANNEL REHABILITATION OF CHANNEL				
			BOUNDARY MAP				
			PROJECT LIMITS: FAIRVIEW CONCRETE LINING TO EARTH TRANSITION TO BEAR ST EARTHEN SLOPE TO CONCRETE TRANSITION				
			DATE OF SURVEY: 03/07/2022		BY: E. HERTZ & CREW		SHEET NO. 2 of 23
			MAPPING		BY: P. MAGUIRE		
			OFFICE CHECK		BY: J. MORENO, PLS		
			FIELD CHECK		BY: E. HERTZ		
			SCALE: N.T.S.		W.O. #EF21472		
			MARK	DATE	ITEM		FILE: PAULARINO_BOUNDARY_2022.DWG
REVISIONS				FILE: #2122PW-ENG0003			

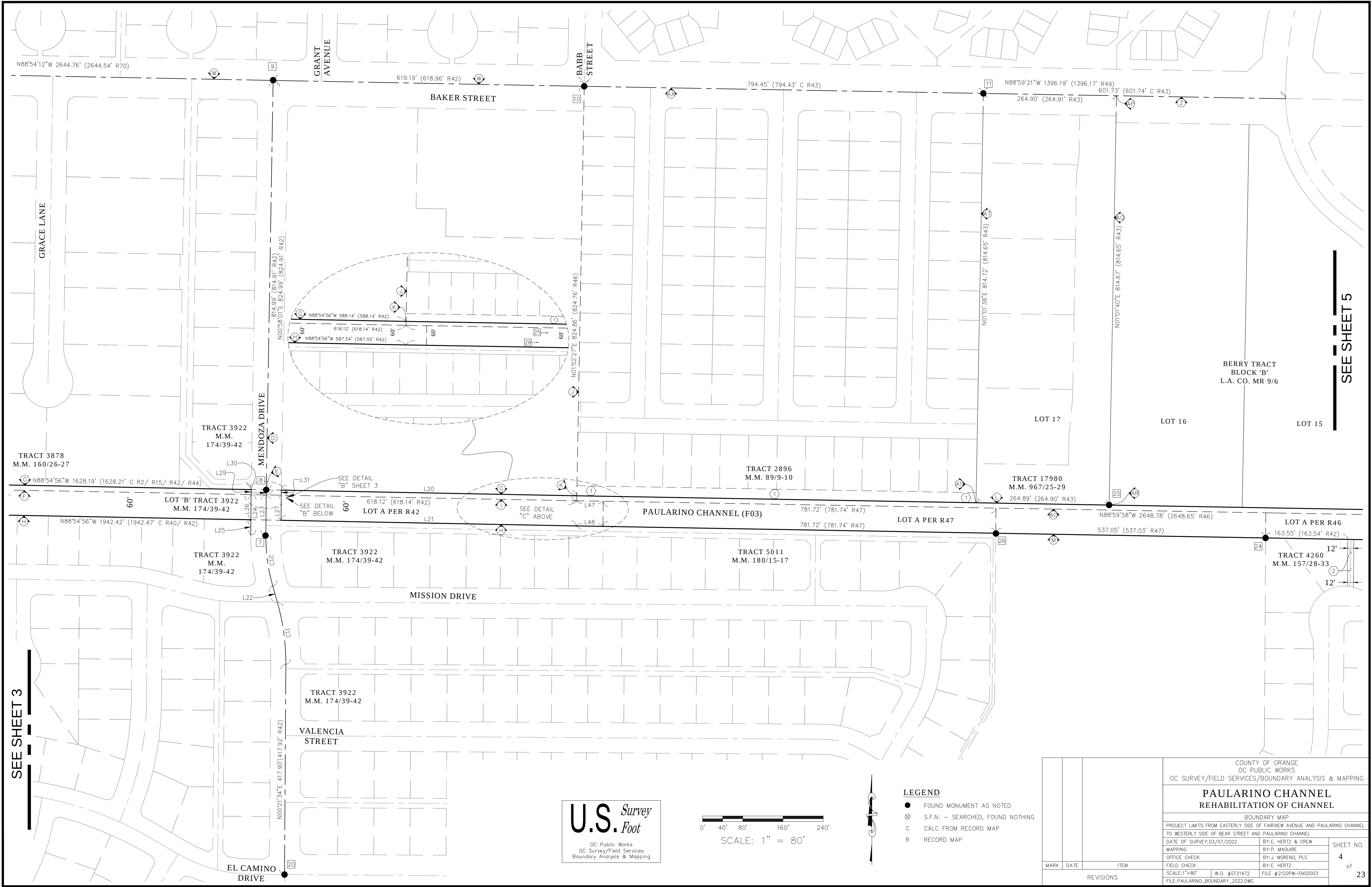


SEE SHEET 4

COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
PAULARINO CHANNEL REHABILITATION OF CHANNEL		
BOUNDARY MAP		
PROJECT LIMITS: FROM EASTERLY SIDE OF FAIRVIEW AVENUE AND PAULARINO CHANNEL TO WESTERLY SIDE OF BEAR STREET AND PAULARINO CHANNEL		
DATE OF SURVEY: 03/07/2022	BY: E. HERTZ & CREW	SHEET NO. 3 of 23
MAPPING	BY: P. MAGUIRE	
OFFICE CHECK	BY: J. MORENO, PLS	
FIELD CHECK	BY: E. HERTZ	
SCALE: 1"=80'	W.O. #EF21472	FILE #2122PW-ENG0003
FILE: PAULARINO_BOUNDARY_2022.DWG		

SEE SHEET 3

SEE SHEET 5

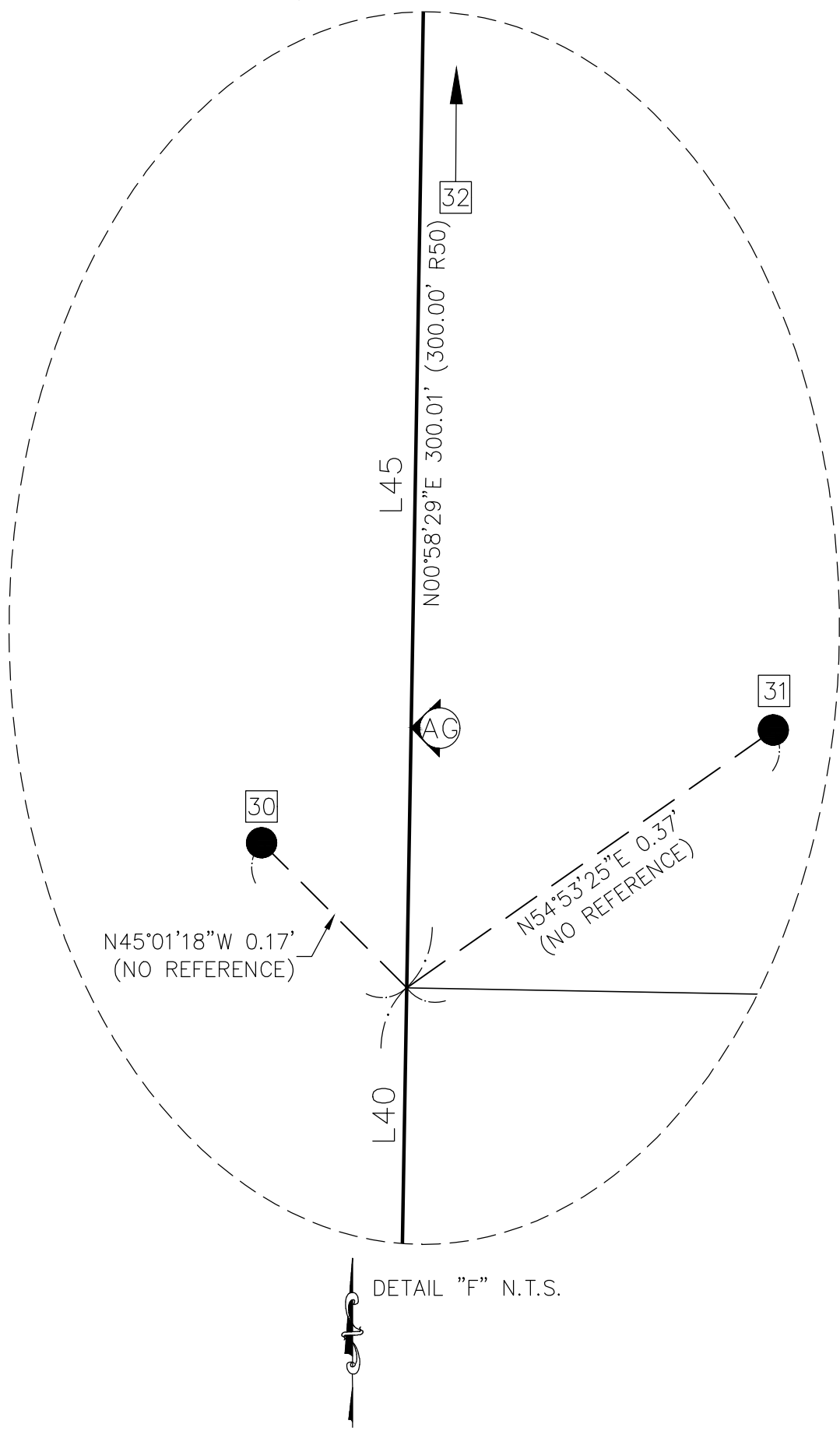
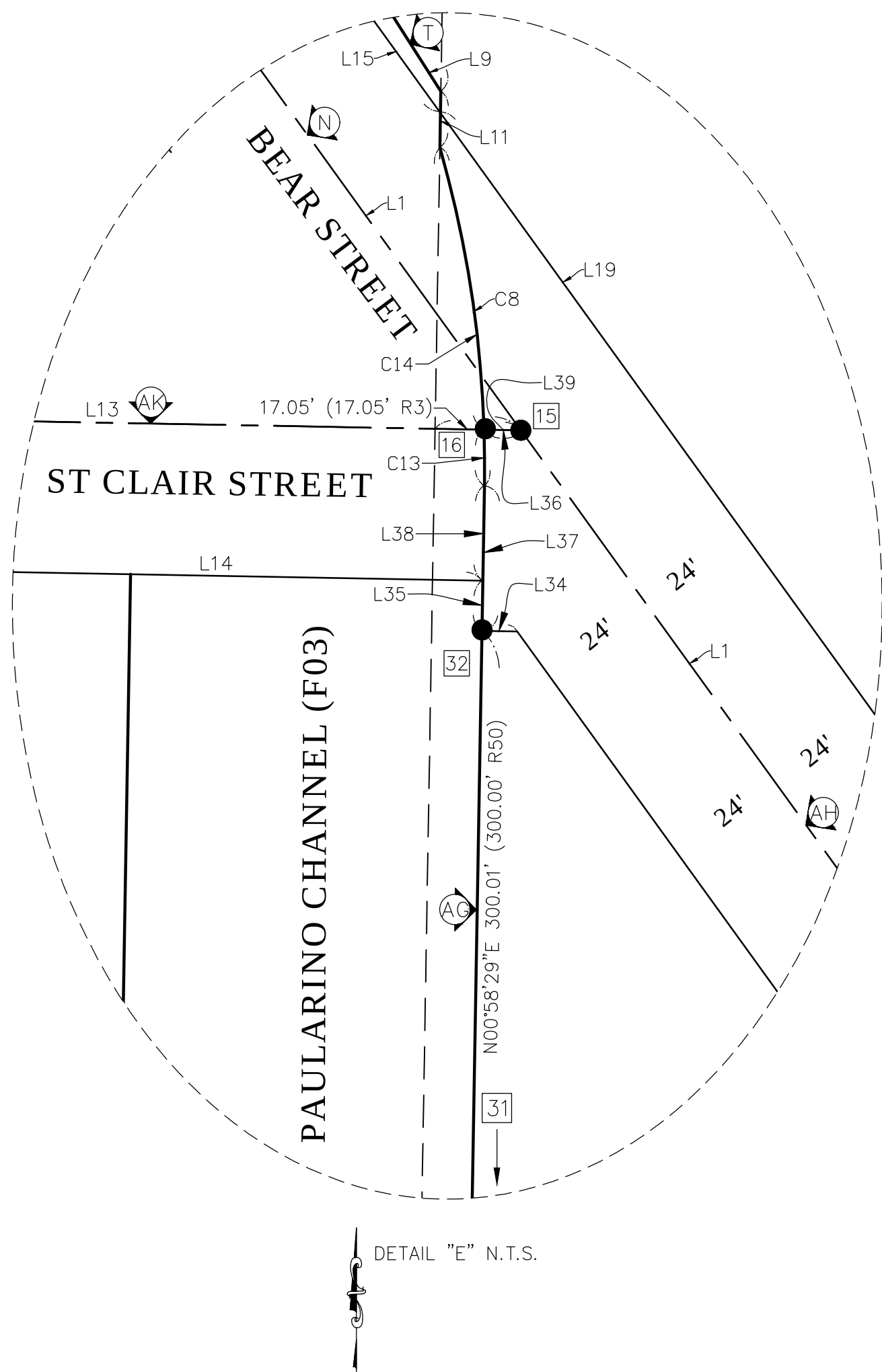
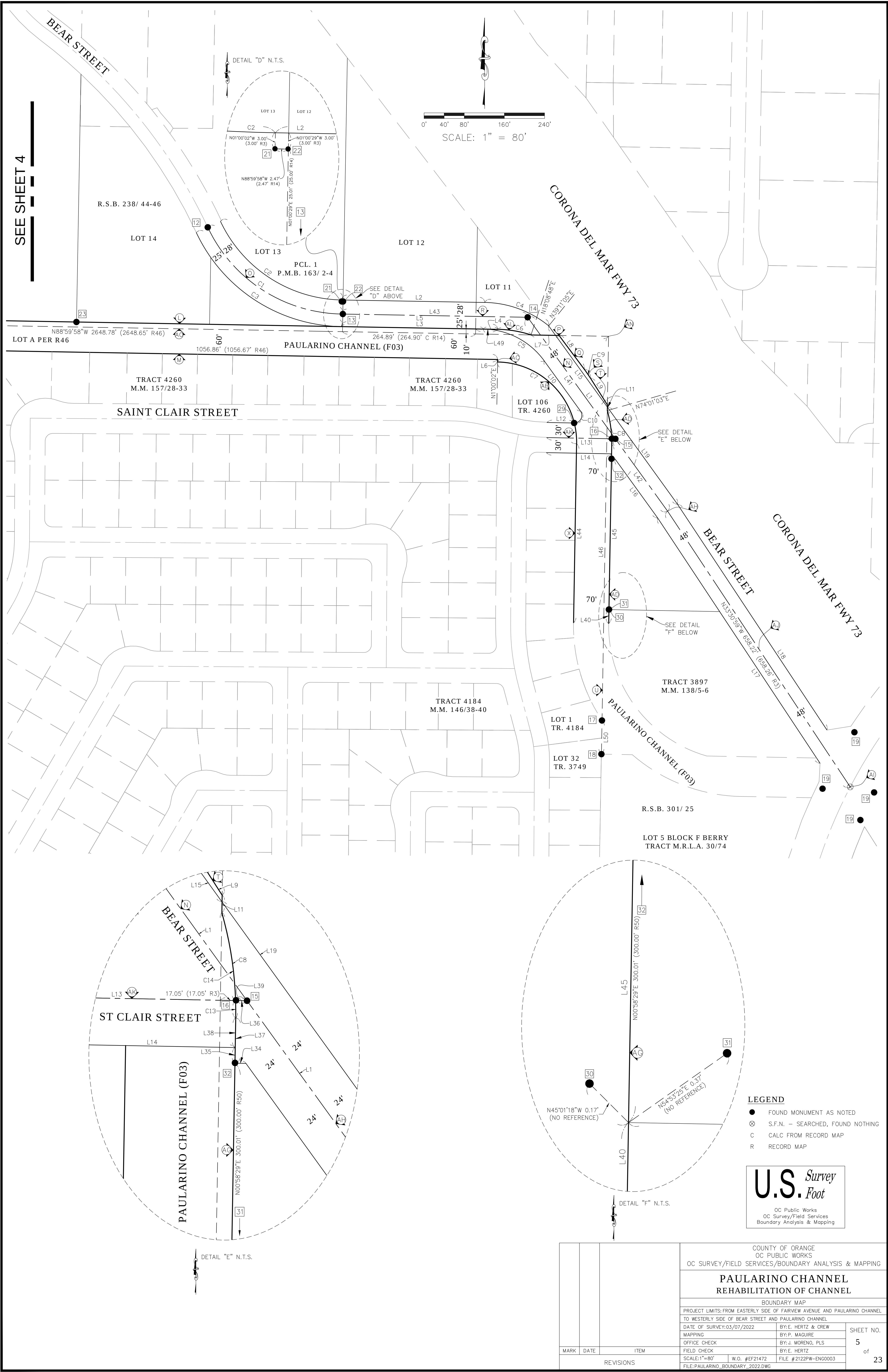


U.S. Survey Foot
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

0' 40' 80' 160' 240'
SCALE: 1" = 80'

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

		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
		PAULARINO CHANNEL REHABILITATION OF CHANNEL				
		BOUNDARY MAP				
		PROJECT LIMITS: FROM EASTERLY SIDE OF FAIRVIEW AVENUE AND PAULARINO CHANNEL TO WESTERLY SIDE OF BEAR STREET AND PAULARINO CHANNEL				
		DATE OF SURVEY: 03/07/2022			BY: E. HERTZ & CREW	
		MAPPING			BY: P. MAGUIRE	
		OFFICE CHECK			BY: J. MORENO, PLS	
		FIELD CHECK			BY: E. HERTZ	
		SCALE: 1"=80'			W.O. #EF21472	
		FILE: PAULARINO_BOUNDARY_2022.DWG			FILE # 2122PW-ENG0003	
MARK	DATE	ITEM	REVISIONS			
			SHEET NO. 4 of 23			

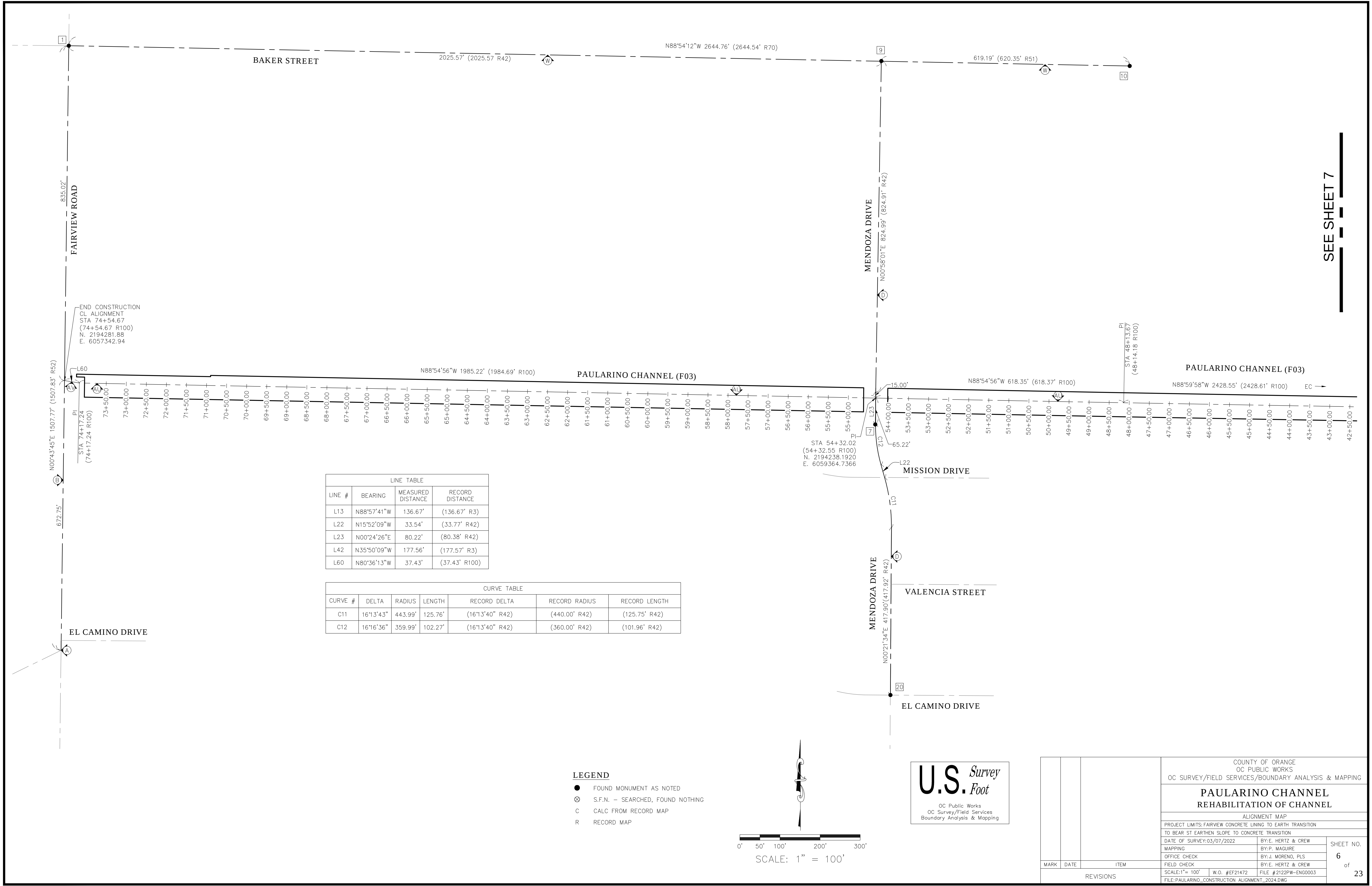


- LEGEND**
- FOUND MONUMENT AS NOTED
 - ⊗ S.F.N. - SEARCHED, FOUND NOTHING
 - C CALC FROM RECORD MAP
 - R RECORD MAP

U.S. Survey Foot

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

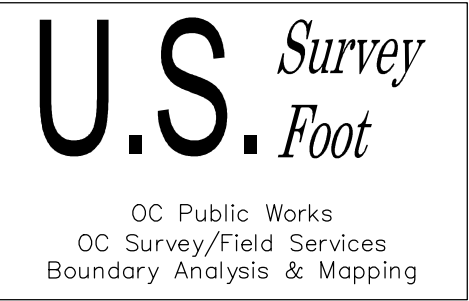
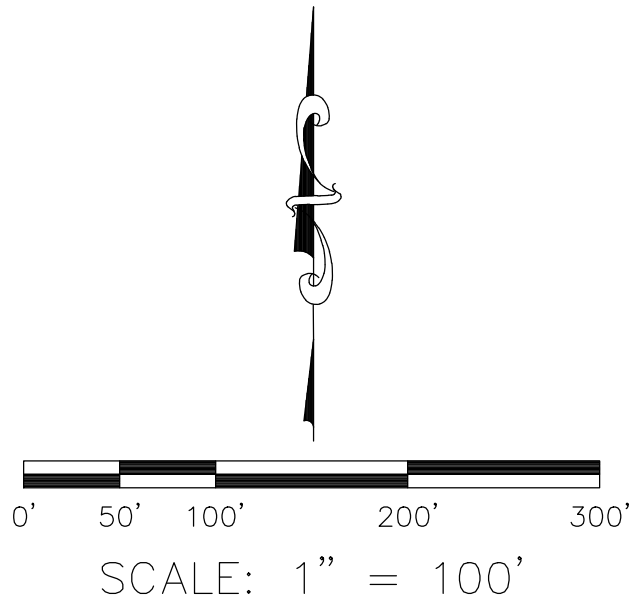
			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			PAULARINO CHANNEL REHABILITATION OF CHANNEL		
			BOUNDARY MAP		
			PROJECT LIMITS: FROM EASTERLY SIDE OF FAIRVIEW AVENUE AND PAULARINO CHANNEL TO WESTERLY SIDE OF BEAR STREET AND PAULARINO CHANNEL		
			DATE OF SURVEY:03/07/2022		SHEET NO. 5 of 23
			MAPPING		
			OFFICE CHECK		
MARK	DATE	ITEM	FIELD CHECK	BY:E. HERTZ	FILE #2122PW-ENG0003
REVISIONS			SCALE:1"=80'	W.O. #EF21472	
			FILE:PAULARINO_BOUNDARY_2022.DWG		



LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L13	N88°57'41"W	136.67'	(136.67' R3)
L22	N15°52'09"W	33.54'	(33.77' R42)
L23	N00°24'26"E	80.22'	(80.38' R42)
L42	N35°50'09"W	177.56'	(177.57' R3)
L60	N80°36'13"W	37.43'	(37.43' R100)

CURVE TABLE						
CURVE #	DELTA	RADIUS	LENGTH	RECORD DELTA	RECORD RADIUS	RECORD LENGTH
C11	16°13'43"	443.99'	125.76'	(16°13'40" R42)	(440.00' R42)	(125.75' R42)
C12	16°16'36"	359.99'	102.27'	(16°13'40" R42)	(360.00' R42)	(101.96' R42)

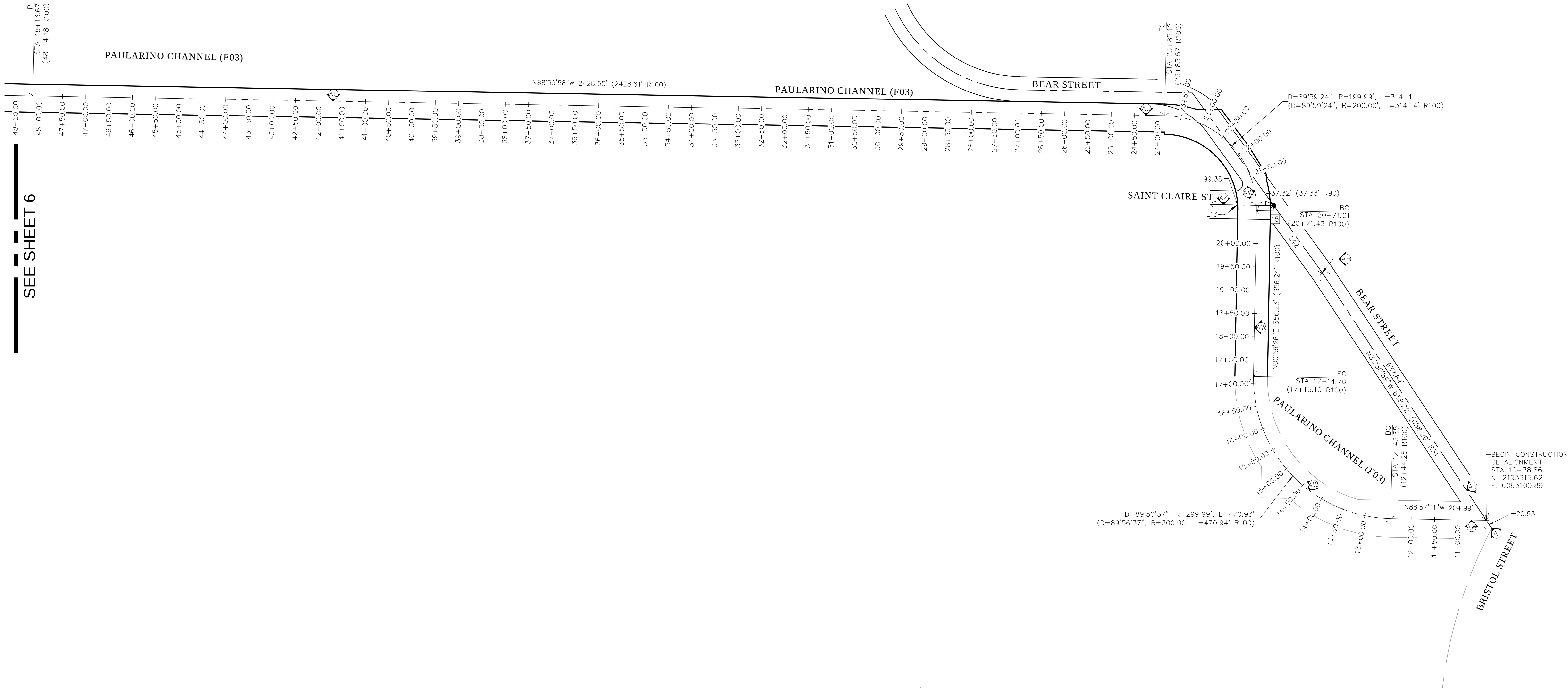
- LEGEND**
- FOUND MONUMENT AS NOTED
 - ⊗ S.F.N. - SEARCHED, FOUND NOTHING
 - C CALC FROM RECORD MAP
 - R RECORD MAP



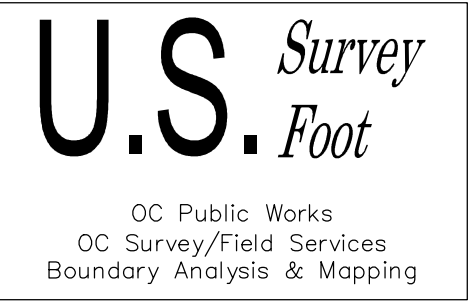
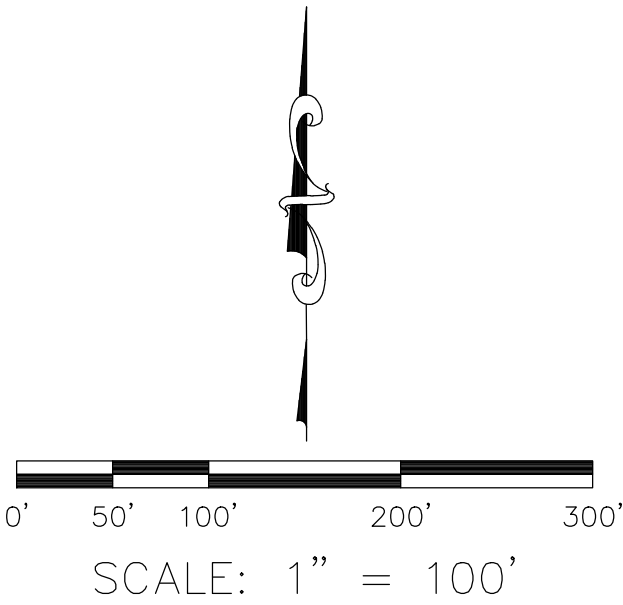
			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			PAULARINO CHANNEL REHABILITATION OF CHANNEL				
			ALIGNMENT MAP				
			PROJECT LIMITS: FAIRVIEW CONCRETE LINING TO EARTH TRANSITION TO BEAR ST EARTHEN SLOPE TO CONCRETE TRANSITION				
			DATE OF SURVEY: 03/07/2022		BY: E. HERTZ & CREW		SHEET NO. 6 of 23
			MAPPING		BY: P. MAGUIRE		
			OFFICE CHECK		BY: J. MORENO, PLS		
FIELD CHECK		BY: E. HERTZ & CREW					
SCALE: 1"= 100'		W.O. #EF21472					
MARK	DATE	ITEM	FILE: PAULARINO_CONSTRUCTION_ALIGNMENT_2024.DWG				
REVISIONS							

SEE SHEET 7

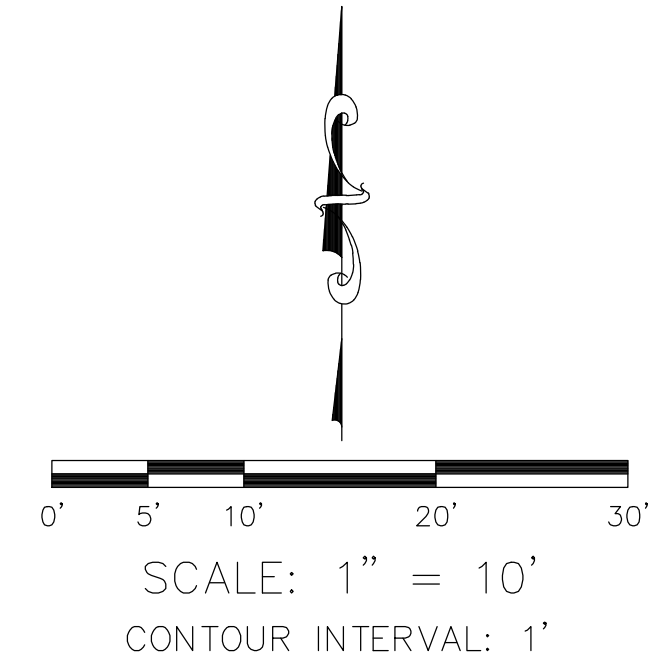
SEE SHEET 6



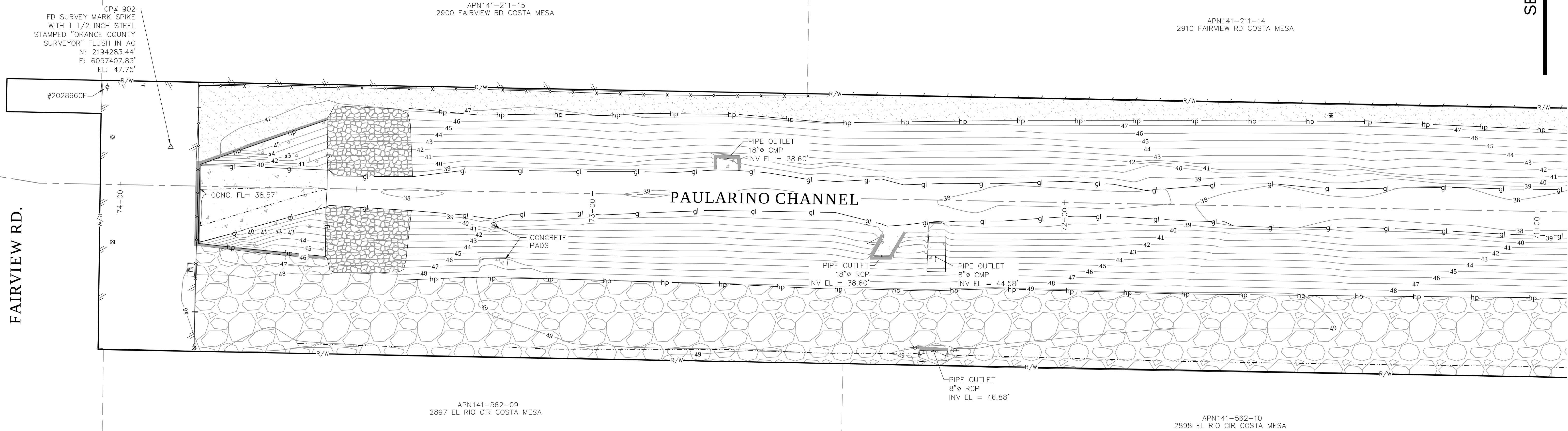
- LEGEND**
- FOUND MONUMENT AS NOTED
 - ⊗ S.F.N. — SEARCHED, FOUND NOTHING
 - C CALC FROM RECORD MAP
 - R RECORD MAP



COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
PAULARINO CHANNEL REHABILITATION OF CHANNEL		
ALIGNMENT MAP		
PROJECT LIMITS: FAIRVIEW CONCRETE LINING TO EARTH TRANSITION		
TO BEAR ST EARTHEN SLOPE TO CONCRETE TRANSITION		
DATE OF SURVEY: 03/07/2022	BY: E. HERTZ & CREW	SHEET NO. 7 of 23
MAPPING	BY: P. MAGUIRE	
OFFICE CHECK	BY: J. MORENO, PLS	
FIELD CHECK	BY: E. HERTZ & CREW	
SCALE: 1" = 100'	W.O. #EF21472	
FILE: #2122PW-ENG0003		
FILE: PAULARINO_CONSTRUCTION_ALIGNMNT_2024.DWG		
MARK	DATE	ITEM
REVISIONS		



SEE SHEET 9



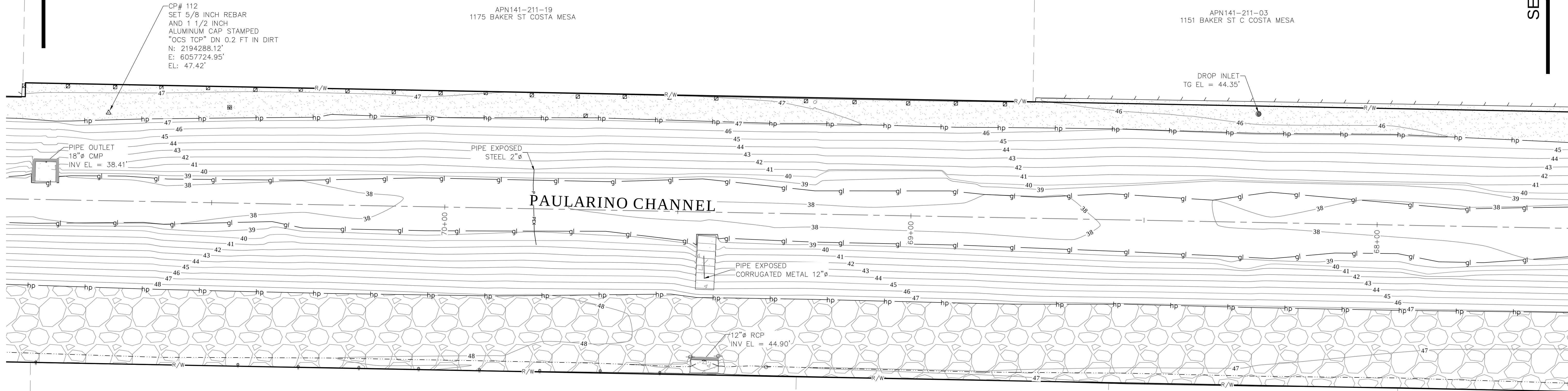
LEGEND

SYMBOL	LINE PATTERN KEY	ABBREVIATION	AREA PATTERN KEY
		AC Asphalt Concrete	
		BC Beginning of Curve	
		CL Centerline	
		CONC Concrete	
		CP Control Point	
		CMP Corrugated Metal Pipe	
		DWY Driveway	
		EL Elevation	
		EC End of Curve	
		FS Finished Surface	
		FL Flowline	
		FD Found	
		INV Invert	
		PVC Polyvinyl Chloride	
		RCP Reinforced Concrete Pipe	
		TC Top of Curb	
		TW Top of Wall	
		VCP Vitreous Clay Pipe	

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			PAULARINO CHANNEL REHABILITATION OF CHANNEL				
			TOPOGRAPHIC MAP				
			PROJECT LIMITS: FROM EASTERLY SIDE OF FAIRVIEW AVENUE AND PAULARINO CHANNEL TO WESTERLY SIDE OF BEAR STREET AND PAULARINO CHANNEL				
			DATE OF SURVEY: 03/07/2022		BY: E. HERTZ & CREW		SHEET NO. 8 of 23
			MAPPING		BY: P. MAGUIRE		
			OFFICE CHECK		BY: J. MORENO, PLS		
			FIELD CHECK		BY: E. HERTZ		
MARK	DATE	ITEM	SCALE: 1" = 10'		W.O. #EF21472		FILE #2122PW-ENG0003
REVISIONS			FILE: PAULARINO_TOPO_2021.DWG				

SEE SHEET 8

SEE SHEET 10



LEGEND

SYMBOL

	Control Point
	Drop Inlet
	Electrical Outlet Box Steel
	Gate, Double
	Gate, Single
	Guy Wire Anchor
	Hose Bibb
	Manhole Sewer
	Meter Water
	Post
	Pull Box Electrical
	Pull Box Undefined
	Sign Post
	Utility Pole w/ 1 Light
	Utility Pole, Underground
	Valve Gas
	Vault Undefined

LINE PATTERN KEY

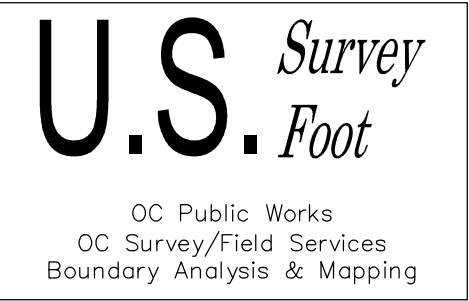
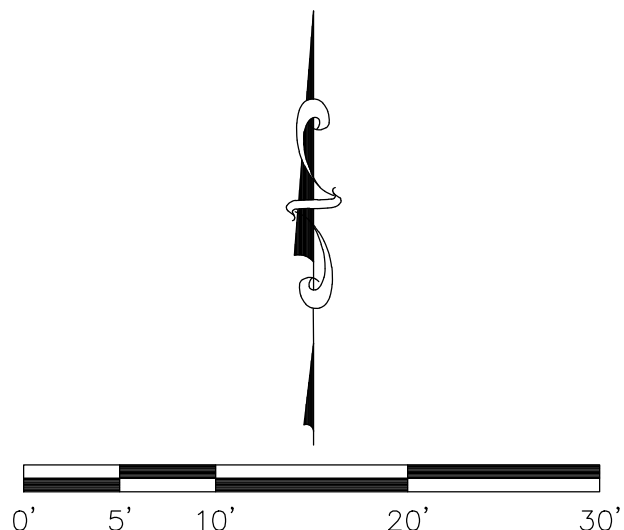
	Building Outline
	Centerline
	Concrete Wall
	Edge of Concrete
	Edge of Asphalt Pavement
	Exposed Pipe
	Fence Chainlink
	Flowline
	Grade Line
	Hinge Point
	Right of Way

ABBREVIATION

AC	Asphalt Concrete
BC	Beginning of Curve
CL	Centerline
CONC	Concrete
CP	Control Point
CMP	Corrugated Metal Pipe
DWY	Driveway
EL	Elevation
EC	End of Curve
FS	Finished Surface
FL	Flowline
FD	Found
INV	Invert
PVC	Polyvinyl Chloride
RCP	Reinforced Concrete Pipe
TC	Top of Curb
TW	Top of Wall
VCP	Vitreous Clay Pipe

AREA PATTERN KEY

	Concrete
	Dirt
	Gravel
	Rip Rap



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
			PAULARINO CHANNEL REHABILITATION OF CHANNEL	
			TOPOGRAPHIC MAP	
			PROJECT LIMITS: FROM EASTERLY SIDE OF FAIRVIEW AVENUE AND PAULARINO CHANNEL TO WESTERLY SIDE OF BEAR STREET AND PAULARINO CHANNEL	
			DATE OF SURVEY: 03/07/2022	BY: E. HERTZ & CREW
			MAPPING	BY: P. MAGUIRE
			OFFICE CHECK	BY: J. MORENO, PLS
			FIELD CHECK	BY: E. HERTZ
			SCALE: 1" = 10'	W.O. #EF21472
			FILE: #2122PW-ENG0003	
			FILE: PAULARINO_TOPO_2021.DWG	
MARK	DATE	ITEM		
			REVISIONS	

SEE SHEET 9

SEE SHEET 11

U.S. Survey
Foot

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



SCALE: 1" = 10'
CONTOUR INTERVAL: 1'

APN141-211-03
1151 BAKER ST C COSTA MESA

APN141-221-48
1127 BAKER ST COSTA MESA

APN141-221-47
1117 BAKER ST COSTA MESA

CP# 111
SET 5/8 INCH REBAR
AND 1 1/2 INCH
ALUMINUM CAP STAMPED
"OCS TCP" DN 0.3 FT IN DIRT
N: 2194275.95'
E: 6058340.10'
EL: 44.79'

12"Ø CMP
INV EL = 44.57'

12"Ø CMP
INV EL = 43.81'

8"Ø CMP
INV EL = 42.75'

12"Ø CMP
INV EL = 42.78'

PAULARINO CHANNEL

CP# 910
FD 5/8 INCH REBAR
AND 1 1/2 INCH ALUMINUM
CAP STAMPED "OCS 910 TCP"
DN 0.1 FT IN DIRT
N: 2194243.43'
E: 6058069.16'
EL: 46.83'

2"Ø PVC PIPE
INV EL = 45.62'

2"Ø PVC PIPE
INV EL = 45.74'

APN141-562-29
1150 MISSION DR COSTA MESA

APN141-562-30
1146 MISSION DR COSTA MESA

APN141-562-33
1128 MISSION DR COSTA MESA

APN141-562-34
1122 MISSION DR COSTA MESA

LEGEND

SYMBOL

	Control Point
	Drop Inlet
	Electrical Outlet Box Steel
	Gate, Double
	Gate, Single
	Guy Wire Anchor
	Hose Bibb
	Manhole Sewer
	Meter Water
	Post
	Pull Box Electrical
	Pull Box Undefined
	Sign Post
	Utility Pole w/ 1 Light
	Utility Pole, Underground
	Valve Gas
	Vault Undefined

LINE PATTERN KEY

	Building Outline
	Centerline
	Concrete Wall
	Edge of Concrete
	Edge of Asphalt Pavement
	Exposed Pipe
	Fence Chainlink
	Flowline
	Grade Line
	Hinge Point
	Right of Way

ABBREVIATION

AC	Asphalt Concrete
BC	Beginning of Curve
CL	Centerline
CONC	Concrete
CP	Control Point
CMP	Corrugated Metal Pipe
DWY	Driveway
EL	Elevation
EC	End of Curve
FS	Finished Surface
FL	Flowline
FD	Found
INV	Invert
PVC	Polyvinyl Chloride
RCP	Reinforced Concrete Pipe
TC	Top of Curb
TW	Top of Wall
VCP	Vitreous Clay Pipe

AREA PATTERN KEY

	Concrete
	Dirt
	Gravel
	Rip Rap

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

PAULARINO CHANNEL REHABILITATION OF CHANNEL

TOPOGRAPHIC MAP

PROJECT LIMITS: FROM EASTERLY SIDE OF FAIRVIEW AVENUE AND PAULARINO CHANNEL

TO WESTERLY SIDE OF BEAR STREET AND PAULARINO CHANNEL

DATE OF SURVEY: 03/07/2022

MAPPING

OFFICE CHECK

FIELD CHECK

SCALE: 1" = 10'

FILE: PAULARINO_TOPO_2021.DWG

BY: E. HERTZ & CREW

BY: J. MAGUIRE

BY: J. MORENO, PLS

BY: E. HERTZ

FILE: #2122PW-ENG0003

SHEET NO.

10

of

23

SEE SHEET 10

SEE SHEET 12

APN141-221-47
1117 BAKER ST COSTA MESA

APN141-562-35
1118 MISSION DR COSTA MESA

APN141-562-36
1114 MISSION DR COSTA MESA

APN141-562-37
1110 MISSION DR COSTA MESA

APN141-562-38
1106 MISSION DR COSTA MESA

APN141-562-39
1102 MISSION DR COSTA MESA

LEGEND

SYMBOL

	Control Point
	Drop Inlet
	Electrical Outlet Box Steel
	Gate, Double
	Gate, Single
	Guy Wire Anchor
	Hose Bibb
	Manhole Sewer
	Meter Water
	Post
	Pull Box Electrical
	Pull Box Undefined
	Sign Post
	Utility Pole w/ 1 Light
	Utility Pole, Underground
	Valve Gas
	Vault Undefined

LINE PATTERN KEY

	Building Outline
	Centerline
	Concrete Wall
	Edge of Concrete
	Edge of Asphalt Pavement
	Exposed Pipe
	Fence Chainlink
	Flowline
	Grade Line
	Hinge Point
	Right of Way

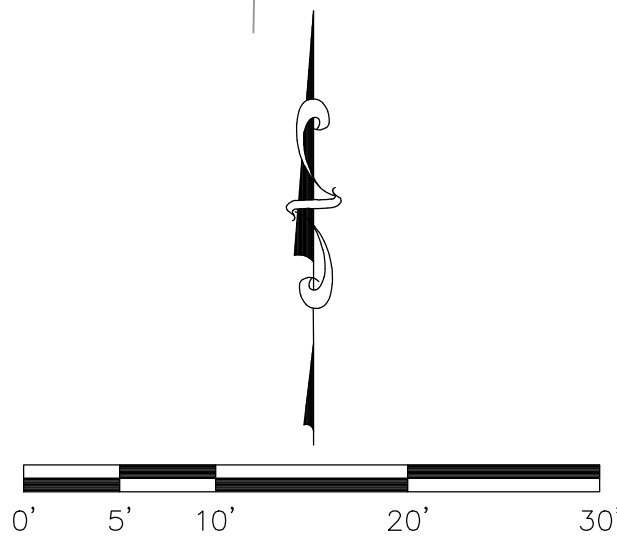
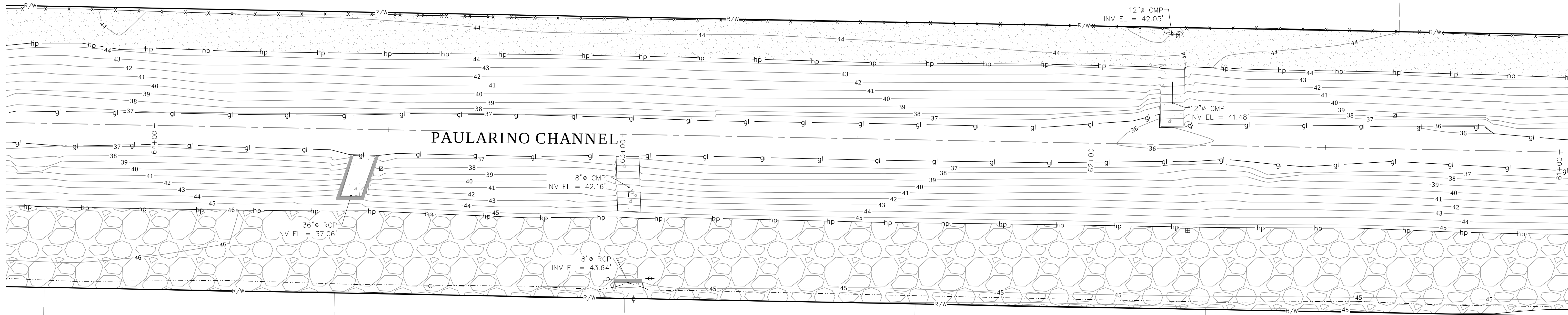
ABBREVIATION

AC	Asphalt Concrete
BC	Beginning of Curve
CL	Centerline
CONC	Concrete
CP	Control Point
CMP	Corrugated Metal Pipe
DWY	Driveway
EL	Elevation
EC	End of Curve
FS	Finished Surface
FL	Flowline
FD	Found
INV	Invert
PVC	Polyvinyl Chloride
RCP	Reinforced Concrete Pipe
TC	Top of Curb
TW	Top of Wall
VCP	Vitreous Clay Pipe

AREA PATTERN KEY

	Concrete
	Dirt
	Gravel
	Rip Rap

PAULARINO CHANNEL



SCALE: 1" = 10'
CONTOUR INTERVAL: 1'

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

PAULARINO CHANNEL REHABILITATION OF CHANNEL

TOPOGRAPHIC MAP

PROJECT LIMITS: FROM EASTERLY SIDE OF FAIRVIEW AVENUE AND PAULARINO CHANNEL

TO WESTERLY SIDE OF BEAR STREET AND PAULARINO CHANNEL

DATE OF SURVEY: 03/07/2022

MAPPING BY: E. HERTZ & CREW

OFFICE CHECK BY: J. MORENO, PLS

FIELD CHECK BY: E. HERTZ

SCALE: 1" = 10' W.O. #EF21472

FILE: #2122PW-ENG0003

FILE: PAULARINO_TOPO_2021.DWG

SHEET NO.

11

of

23

SEE SHEET 11

SEE SHEET 13

SYMBOL

Control Point

Drop Inlet

Electrical Outlet Box Steel

Gate, Double

Gate, Single

Guy Wire Anchor

Hose Bibb

Manhole Sewer

Meter Water

Post

Pull Box Electrical

Pull Box Undefined

Sign Post

Utility Pole w/ 1 Light

Utility Pole, Underground

Valve Gas

Vault Undefined

LINE PATTERN KEY

Building Outline

Centerline

Concrete Wall

Edge of Concrete

Edge of Asphalt Pavement

Exposed Pipe

Fence Chainlink

Flowline

Grade Line

Hinge Point

Right of Way

ABBREVIATION

AC

Asphalt Concrete

BC

Beginning of Curve

CL

Centerline

CONC

Concrete

CP

Control Point

CMP

Corrugated Metal Pipe

DWY

Driveway

EL

Elevation

EC

End of Curve

FS

Finished Surface

FL

Flowline

FD

Found

INV

Invert

PVC

Polyvinyl Chloride

RCP

Reinforced Concrete Pipe

TC

Top of Curb

TW

Top of Wall

VCP

Vitreous Clay Pipe

AREA PATTERN KEY

Concrete

Dirt

Gravel

Rip Rap

PAULARINO CHANNEL

APN141-562-40
1098 MISSION DR COSTA MESA

APN141-571-01
1094 MISSION DR COSTA MESA

APN141-571-02
1090 MISSION DR COSTA MESA

APN141-571-03
1086 MISSION DR COSTA MESA

APN141-571-04
1082 MISSION DR COSTA MESA

CP# 110
SET 1 INCH IP WITH
MAG NAIL AND 1 1/4 IN
STEEL WASHER
STAMPED "OCS CP"
DOWN 0.4 FT IN DIRT
N: 2194229.56'
E: 6058762.21'
EL: 45.60'

PIPE OUTLET
STEEL 2"Ø

PIPE OUTLET
STEEL 3"Ø

PIPE OUTLET
PLASTIC 4"Ø

15"Ø CMP
INV EL = 41.56'

0'+00

61'+00

59'+00

00'+00

0' 5' 10' 20' 30'

SCALE: 1" = 10'

CONTOUR INTERVAL: 1'

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			
			PAULARINO CHANNEL REHABILITATION OF CHANNEL			
			TOPOGRAPHIC MAP			
			PROJECT LIMITS: FROM EASTERLY SIDE OF FAIRVIEW AVENUE AND PAULARINO CHANNEL TO WESTERLY SIDE OF BEAR STREET AND PAULARINO CHANNEL			
			DATE OF SURVEY: 03/07/2022	BY: E. HERTZ & CREW	SHEET NO. 12 of 23	
			MAPPING	BY: P. MAGUIRE		
			OFFICE CHECK	BY: J. MORENO, PLS		
			FIELD CHECK	BY: E. HERTZ		
MARK	DATE	ITEM				
			REVISIONS			
			SCALE: 1" = 10'	W.O. #EF21472	FILE #2122PW-ENG0003	
			FILE: PAULARINO_TOPO_2021.DWG			

SEE SHEET 12

SEE SHEET 14

APN141-221-18
2930 GRACE LN COSTA MESA

APN141-221-37
2901 MENDOZA DR COSTA MESA

APN141-221-26

CP# 109
SET 1 INCH IP WITH
MAG NAIL AND 1 1/4
IN STEEL WASHER STAMPED
"OCS CP" DOWN 0.4 FT IN DIRT
N: 2194260.41'
E: 6059227.17'
EL: 44.06'

APN141-221-38

CP# 113
SET LEAD BRASS NAIL
AND 3/4 INCH BRASS
TAG STAMPED "OCS"
FLUSH IN CONCRETE CURB
N: 2194257.32'
E: 6059344.77'
EL: 43.43'

PAULARINO CHANNEL

MENDOZA DR.

APN141-571-05
1078 MISSION DR COSTA MESA

APN141-571-06
1074 MISSION DR COSTA MESA

APN141-571-07
1070 MISSION DR COSTA MESA

APN141-571-08
1066 MISSION DR COSTA MESA

APN141-571-09
1062 MISSION DR COSTA MESA

LEGEND

SYMBOL

- Control Point
- Drop Inlet
- Electrical Outlet Box Steel
- Gate, Double
- Gate, Single
- Guy Wire Anchor
- Hose Bibb
- Manhole Sewer
- Meter Water
- Post
- Pull Box Electrical
- Pull Box Undefined
- Sign Post
- Utility Pole w/ 1 Light
- Utility Pole, Underground
- Valve Gas
- Vault Undefined

LINE PATTERN KEY

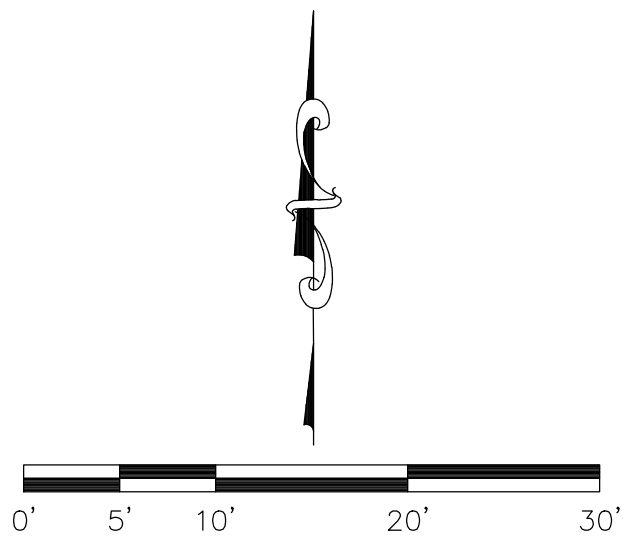
- Building Outline
- Centerline
- Concrete Wall
- Edge of Concrete
- Edge of Asphalt Pavement
- Exposed Pipe
- Fence Chainlink
- Flowline
- Grade Line
- Hinge Point
- Right of Way

ABBREVIATION

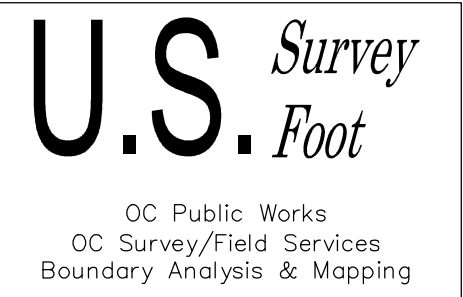
- AC Asphalt Concrete
- BC Beginning of Curve
- CL Centerline
- CONC Concrete
- CP Control Point
- CMP Corrugated Metal Pipe
- DWY Driveway
- EL Elevation
- EC End of Curve
- FS Finished Surface
- FL Flowline
- FD Found
- INV Invert
- PVC Polyvinyl Chloride
- RCP Reinforced Concrete Pipe
- TC Top of Curb
- TW Top of Wall
- VCP Vitreous Clay Pipe

AREA PATTERN KEY

- Concrete
- Dirt
- Gravel
- Rip Rap



SCALE: 1" = 10'
CONTOUR INTERVAL: 1'



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			PAULARINO CHANNEL REHABILITATION OF CHANNEL				
			TOPOGRAPHIC MAP				
			PROJECT LIMITS: FROM EASTERLY SIDE OF FAIRVIEW AVENUE AND PAULARINO CHANNEL TO WESTERLY SIDE OF BEAR STREET AND PAULARINO CHANNEL				
			DATE OF SURVEY:03/07/2022		BY:E. HERTZ & CREW		SHEET NO. 13 of 23
			MAPPING		BY:P. MAGUIRE		
			OFFICE CHECK		BY:J. MORENO, PLS		
			FIELD CHECK		BY:E. HERTZ		
			SCALE:1" = 10'		W.O. #EF21472		FILE #2122PW-ENG0003
			FILE:PAULARINO_TOPO_2021.DWG				
MARK	DATE	ITEM	REVISIONS				

SEE SHEET 13

SEE SHEET 15

MENDOZA DR.

PI
STA 54+32.02
(54+32.55 R100)
N. 2194238.1920
E. 6059364.7366

CONC. FL= 33.67'

PIPE EXPOSED
STEEL 12"Ø

APN141-662-02
1048 MISSION DR COSTA MESA

APN141-662-03
1042 MISSION DR COSTA MESA

APN141-662-04
1036 MISSION DR COSTA MESA

APN141-662-05
1030 MISSION DR COSTA MESA

PAULARINO CHANNEL

CP # 108
SET 1 INCH IP WITH MAG NAIL
AND 1 1/4 IN STEEL WASHER
STAMPED OCS CP
DOWN 0.3 FT IN DIRT
N: 2194214.75'
E: 6059472.12'
EL: 44.09'

#740540H

#1461359E

#740519H

SYMBOL

- Control Point
- Drop Inlet
- Electrical Outlet Box Steel
- Gate, Double
- Gate, Single
- Guy Wire Anchor
- Hose Bibb
- Manhole Sewer
- Meter Water
- Post
- Pull Box Electrical
- Pull Box Undefined
- Sign Post
- Utility Pole w/ 1 Light
- Utility Pole, Underground
- Valve Gas
- Vault Undefined

LINE PATTERN KEY

- Building Outline
- Centerline
- Concrete Wall
- Edge of Concrete
- Edge of Asphalt Pavement
- Exposed Pipe
- Fence Chainlink
- Flowline
- Grade Line
- Hinge Point
- Right of Way

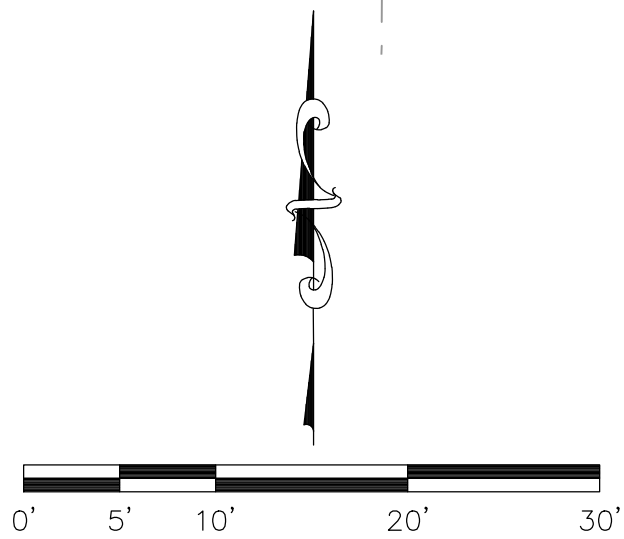
LEGEND

ABBREVIATION

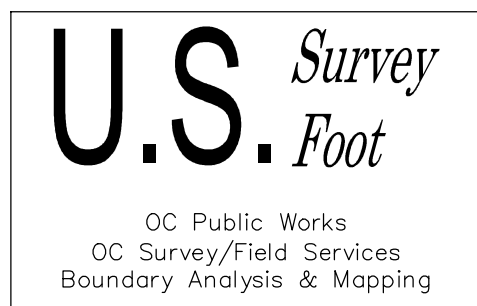
- AC Asphalt Concrete
- BC Beginning of Curve
- CL Centerline
- CONC Concrete
- CP Control Point
- CMP Corrugated Metal Pipe
- DWY Driveway
- EL Elevation
- EC End of Curve
- FS Finished Surface
- FL Flowline
- FD Found
- INV Invert
- PVC Polyvinyl Chloride
- RCP Reinforced Concrete Pipe
- TC Top of Curb
- TW Top of Wall
- VCP Vitreous Clay Pipe

AREA PATTERN KEY

- Concrete
- Dirt
- Gravel
- Rip Rap



SCALE: 1" = 10'
CONTOUR INTERVAL: 1'



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			PAULARINO CHANNEL REHABILITATION OF CHANNEL				
			TOPOGRAPHIC MAP				
			PROJECT LIMITS: FROM EASTERLY SIDE OF FAIRVIEW AVENUE AND PAULARINO CHANNEL TO WESTERLY SIDE OF BEAR STREET AND PAULARINO CHANNEL				
			DATE OF SURVEY: 03/07/2022		BY: E. HERTZ & CREW		
			MAPPING		BY: P. MAGUIRE		
MARK	DATE	ITEM	OFFICE CHECK		BY: J. MORENO, PLS		SHEET NO. 14 of 23
			FIELD CHECK		BY: E. HERTZ		
			SCALE: 1" = 10'		W.O. #EF21472		
REVISIONS			FILE: #2122PW-ENG0003				
			FILE: PAULARINO_TOPO_2021.DWG				

SEE SHEET 14

SEE SHEET 16

APN141-231-32
1021 BAKER ST COSTA MESA

PIPE OUTLET
18"Ø RCP
INV EL = 40.39'

CP# 107
SET 5/8 INCH REBAR
AND 1 1/2 INCH ALUMINUM CAP
STAMPED "OCS TCP"
DN 0.35 FT IN DIRT
N: 2194249.91'
E: 6059809.58'
EL: 41.32'

PIPE EXPOSED
CONCRETE 24"Ø

PIPE OUTLET
18"Ø RCP
INV EL = 35.65'

PIPE OUTLET
24"Ø CMP
INV EL = 35.41'

PAULARINO CHANNEL

#4866213E

#4909640E

LEGEND

SYMBOL

- Control Point
- Drop Inlet
- Electrical Outlet Box Steel
- Gate, Double
- Gate, Single
- Guy Wire Anchor
- Hose Bibb
- Manhole Sewer
- Meter Water
- Post
- Pull Box Electrical
- Pull Box Undefined
- Sign Post
- Utility Pole w/ 1 Light
- Utility Pole, Underground
- Valve Gas
- Vault Undefined

LINE PATTERN KEY

- Building Outline
- Centerline
- Concrete Wall
- Edge of Concrete
- Edge of Asphalt Pavement
- Exposed Pipe
- Fence Chainlink
- Flowline
- Grade Line
- Hinge Point
- Right of Way

ABBREVIATION

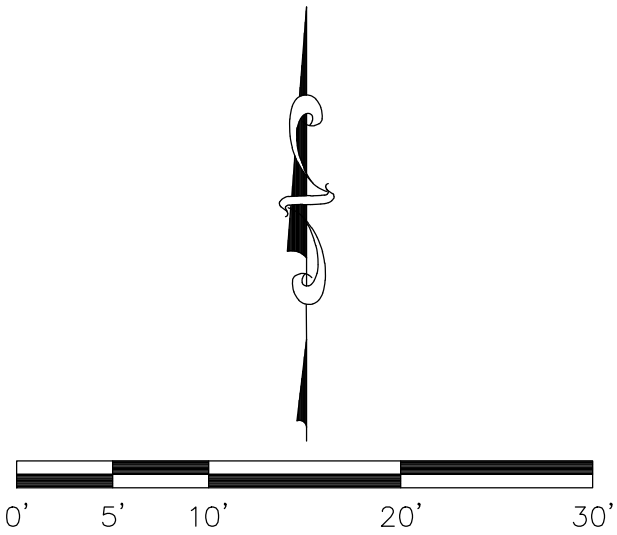
- AC Asphalt Concrete
- BC Beginning of Curve
- CL Centerline
- CONC Concrete
- CP Control Point
- CMP Corrugated Metal Pipe
- DWY Driveway
- EL Elevation
- EC End of Curve
- FS Finished Surface
- FL Flowline
- FD Found
- INV Invert
- PVC Polyvinyl Chloride
- RCP Reinforced Concrete Pipe
- TC Top of Curb
- TW Top of Wall
- VCP Vitreous Clay Pipe

AREA PATTERN KEY

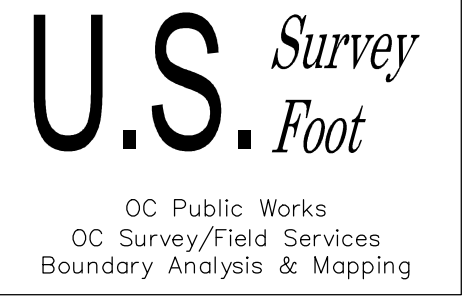
- Concrete
- Dirt
- Gravel
- Rip Rap

APN141-662-08
1012 MISSION DR COSTA MESA

APN141-662-09
1006 MISSION DR COSTA MESA



SCALE: 1" = 10'
CONTOUR INTERVAL: 1'



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			PAULARINO CHANNEL REHABILITATION OF CHANNEL				
			TOPOGRAPHIC MAP				
			PROJECT LIMITS: FROM EASTERLY SIDE OF FAIRVIEW AVENUE AND PAULARINO CHANNEL TO WESTERLY SIDE OF BEAR STREET AND PAULARINO CHANNEL				
			DATE OF SURVEY: 03/07/2022		B.Y.E. HERTZ & CREW		SHEET NO. 15 of 23
			MAPPING		B.Y.P. MACUIRE		
			OFFICE CHECK		B.Y.J. MORENO, PLS		
FIELD CHECK		B.Y.E. HERTZ					
SCALE: 1" = 10'		W.O. #EF21472					
MARK	DATE	ITEM	REVISIONS				
		FILE: PAULARINO_TOPO_2021.DWG		FILE # 2122PW-ENG0003			

APN141-231-15
1005 POST RD COSTA MESA

APN141-231-16
1003 POST RD COSTA MESA

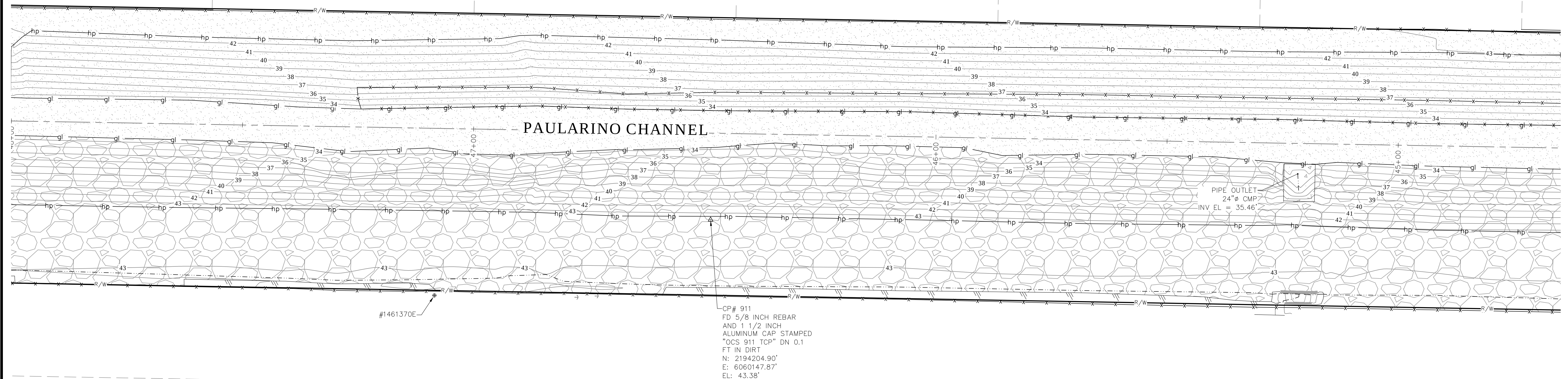
APN141-231-17
999 POST RD COSTA MESA

APN141-231-18
995 POST RD COSTA MESA

APN141-231-19
991 POST RD COSTA MESA

APN141-231-20
987 POST RD COSTA MESA

SEE SHEET 17

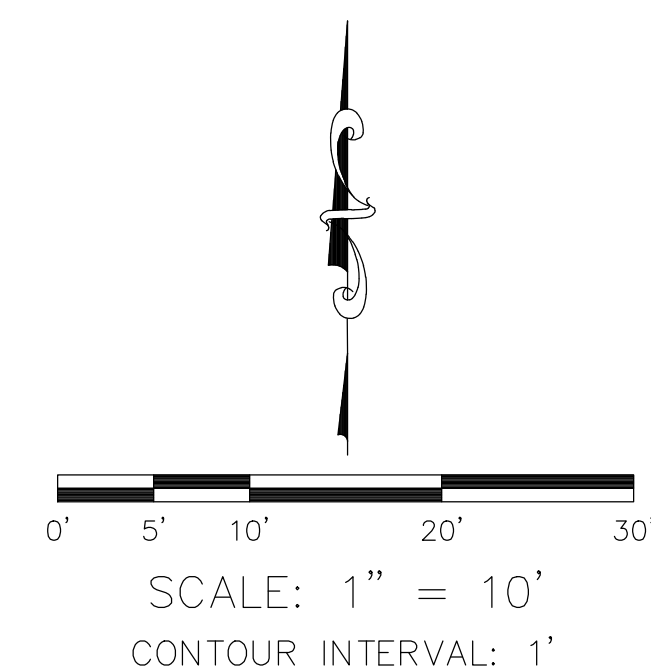


APN141-662-13
988 MISSION DR COSTA MESA

APN141-662-14
984 MISSION DR COSTA MESA

LEGEND

SYMBOL		LINE PATTERN KEY		ABBREVIATION		AREA PATTERN KEY	
	Control Point		Building Outline	AC	Asphalt Concrete		Concrete
	Drop Inlet		Centerline	BC	Beginning of Curve		
	Electrical Outlet Box Steel		Concrete Wall	CL	Centerline		
	Gate, Double		Edge of Concrete	CONC	Concrete		Dirt
	Gate, Single		Edge of Asphalt Pavement	CP	Control Point		
	Guy Wire Anchor		Exposed Pipe	CMP	Corrugated Metal Pipe		Gravel
	Hose Bibb		Fence Chainlink	DWY	Driveway		
	Manhole Sewer		Flowline	EL	Elevation		
	Meter Water		Grade Line	EC	End of Curve		Rip Rap
	Post		Hinge Point	FS	Finished Surface		
	Pull Box Electrical		Right of Way	FL	Flowline		
	Pull Box Undefined			FD	Found		
	Sign Post			INV	Invert		
	Utility Pole w/ 1 Light			PVC	Polyvinyl Chloride		
	Utility Pole, Underground			RCP	Reinforced Concrete Pipe		
	Valve Gas			TC	Top of Curb		
	Vault Undefined			TW	Top of Wall		
				VCP	Vitreous Clay Pipe		



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	
			PAULARINO CHANNEL REHABILITATION OF CHANNEL	
			TOPOGRAPHIC MAP	
			PROJECT LIMITS: FROM EASTERLY SIDE OF FAIRVIEW AVENUE AND PAULARINO CHANNEL	
			TO WESTERLY SIDE OF BEAR STREET AND PAULARINO CHANNEL	
			DATE OF SURVEY: 03/07/2022	BY: E. HERTZ & CREW
			MAPPING	BY: P. MAGUIRE
			OFFICE CHECK	BY: J. MORENO, PLS
			FIELD CHECK	BY: E. HERTZ
MARK	DATE	ITEM		
REVISIONS			SCALE: 1" = 10' FILE: PAULARINO_TOPO_2021.DWG	W.O. #EF21472 FILE # 2122PW-ENG0003
			SHEET NO. 16 of 23	

SEE SHEET 17

SEE SHEET 19

SYMBOL

- Control Point
- Drop Inlet
- Electrical Outlet Box Steel
- Gate, Double
- Gate, Single
- Guy Wire Anchor
- Hose Bibb
- Manhole Sewer
- Meter Water
- Post
- Pull Box Electrical
- Pull Box Undefined
- Sign Post
- Utility Pole w/ 1 Light
- Utility Pole, Underground
- Valve Gas
- Vault Undefined

LINE PATTERN KEY

- Building Outline
- Centerline
- Concrete Wall
- Edge of Concrete
- Edge of Asphalt Pavement
- Exposed Pipe
- Fence Chainlink
- Flowline
- Grade Line
- Hinge Point
- Right of Way

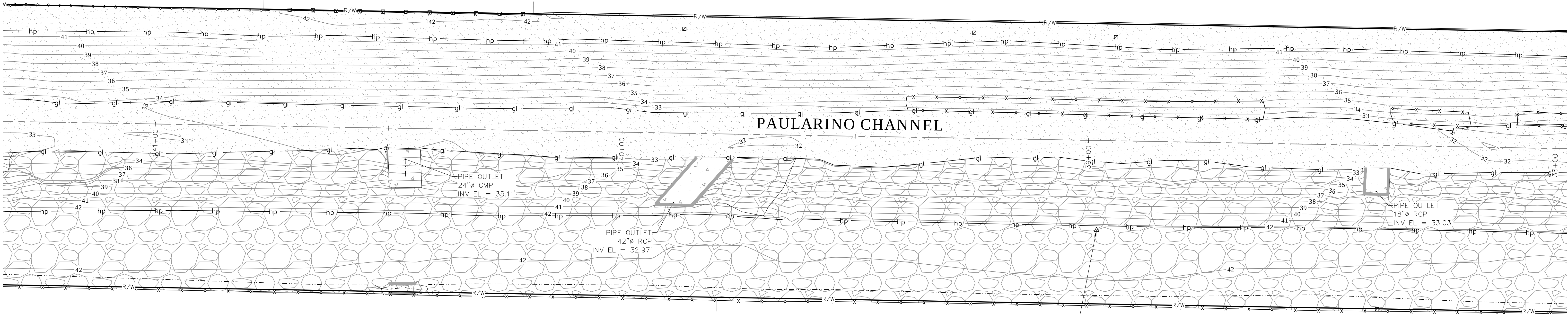
LEGEND

ABBREVIATION

- AC Asphalt Concrete
- BC Beginning of Curve
- CL Centerline
- CONC Concrete
- CP Control Point
- CMP Corrugated Metal Pipe
- DWY Driveway
- EL Elevation
- EC End of Curve
- FS Finished Surface
- FL Flowline
- FD Found
- INV Invert
- PVC Polyvinyl Chloride
- RCP Reinforced Concrete Pipe
- TC Top of Curb
- TW Top of Wall
- VCP Vitreous Clay Pipe

AREA PATTERN KEY

- Concrete
- Dirt
- Gravel
- Rip Rap



PAULARINO CHANNEL

PIPE OUTLET
24" Ø CMP
INV EL = 35.11'

PIPE OUTLET
42" Ø RCP
INV EL = 32.97'

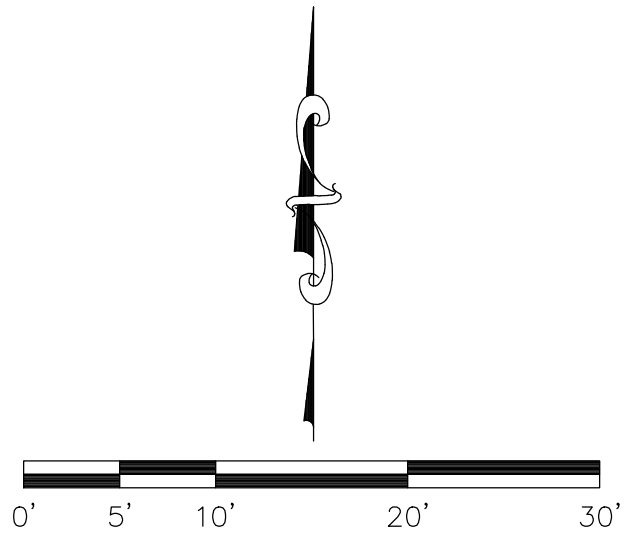
PIPE OUTLET
18" Ø RCP
INV EL = 33.03'

CP# 912-
FD 5/8" INCH REBAR
AND 1 1/2" INCH ALUMINUM
CAP STAMPED "OCS 912 TCP"
DN 0.1 FT IN DIRT
N: 2194191.29'
E: 6060898.20'
EL: 42.30'

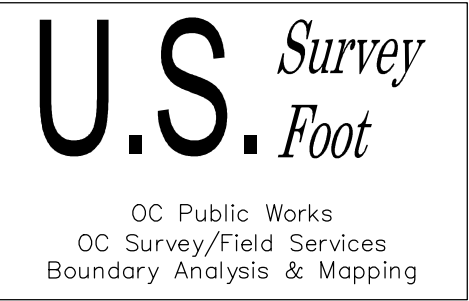
APN141-662-19
968 MISSION DR COSTA MESA

APN141-662-20
2884 LA SALLE AVE COSTA MESA

APN141-582-01
966 SONORA RD COSTA MESA



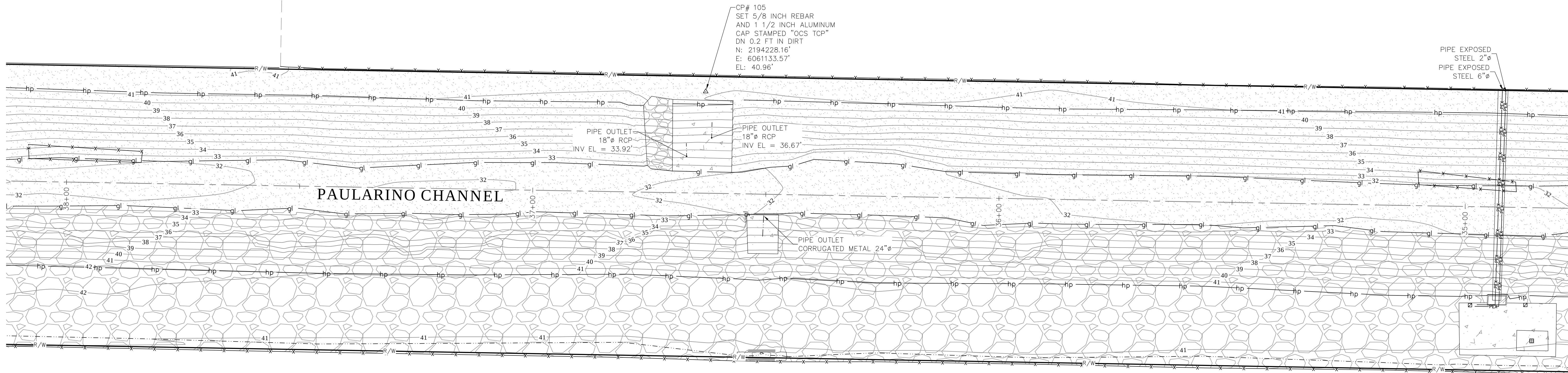
SCALE: 1" = 10'
CONTOUR INTERVAL: 1'



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			PAULARINO CHANNEL REHABILITATION OF CHANNEL		
			TOPOGRAPHIC MAP		
			PROJECT LIMITS: FROM EASTERLY SIDE OF FAIRVIEW AVENUE AND PAULARINO CHANNEL TO WESTERLY SIDE OF BEAR STREET AND PAULARINO CHANNEL		
			DATE OF SURVEY: 03/07/2022		SHEET NO. 18 of 23
MAPPING					
OFFICE CHECK					
FIELD CHECK					
MARK	DATE	ITEM	SCALE: 1" = 10'	W.O. #EF21472	FILE #2122PW-ENG0003
REVISIONS			FILE: PAULARINO_TOPO_2021.DWG		

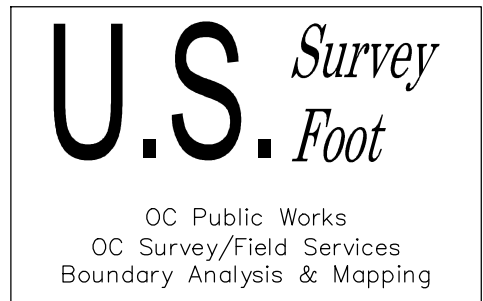
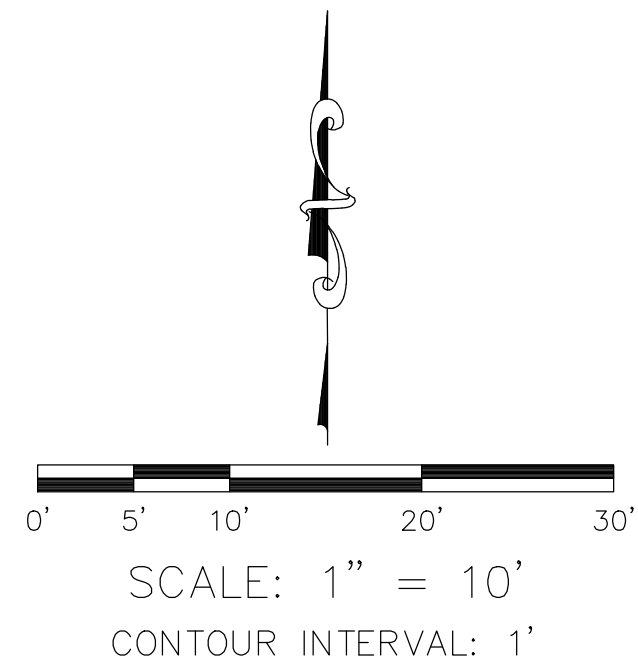
SEE SHEET 18

SEE SHEET 20



LEGEND

SYMBOL	LINE PATTERN KEY	ABBREVIATION	AREA PATTERN KEY
		AC Asphalt Concrete	
		BC Beginning of Curve	
		CL Centerline	
		CONC Concrete	
		CP Control Point	
		CMP Corrugated Metal Pipe	
		DWY Driveway	
		EL Elevation	
		EC End of Curve	
		FS Finished Surface	
		FL Flowline	
		FD Found	
		INV Invert	
		PVC Polyvinyl Chloride	
		RCP Reinforced Concrete Pipe	
		TC Top of Curb	
		TW Top of Wall	
		VCP Vitreous Clay Pipe	



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			PAULARINO CHANNEL REHABILITATION OF CHANNEL		
			TOPOGRAPHIC MAP		
			PROJECT LIMITS: FROM EASTERLY SIDE OF FAIRVIEW AVENUE AND PAULARINO CHANNEL TO WESTERLY SIDE OF BEAR STREET AND PAULARINO CHANNEL		
			DATE OF SURVEY: 03/07/2022	BY: E. HERTZ & CREW	SHEET NO. 19 of 23
			MAPPING	BY: P. MAGUIRE	
			OFFICE CHECK	BY: J. MORENO, PLS	
			FIELD CHECK	BY: E. HERTZ	
MARK	DATE	ITEM	SCALE: 1" = 10'	W.O. #EF21472	FILE #2122PW-ENG0003
REVISIONS			FILE: PAULARINO_TOPO_2021.DWG		

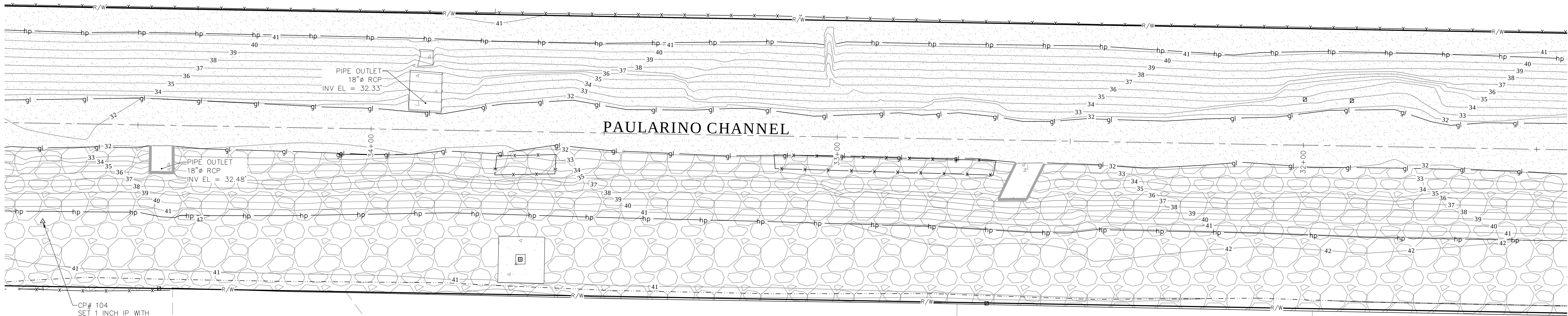
SEE SHEET 19

SEE SHEET 21

LEGEND

SYMBOL	LINE PATTERN KEY	ABBREVIATION	AREA PATTERN KEY
		AC Asphalt Concrete	
		BC Beginning of Curve	
		CL Centerline	
		CONC Concrete	
		CP Control Point	
		CMP Corrugated Metal Pipe	
		DWY Driveway	
		EL Elevation	
		EC End of Curve	
		FS Finished Surface	
		FL Flowline	
		FD Found	
		INV Invert	
		PVC Polyvinyl Chloride	
		RCP Reinforced Concrete Pipe	
		TC Top of Curb	
		TW Top of Wall	
		VCP Vitreous Clay Pipe	

APN141-242-01
2985 BEAR ST COSTA MESA

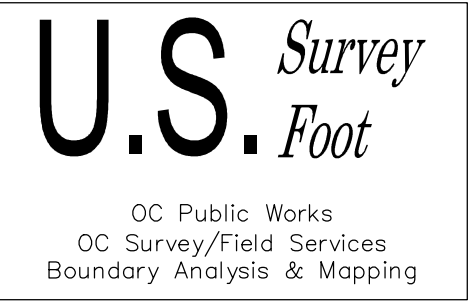
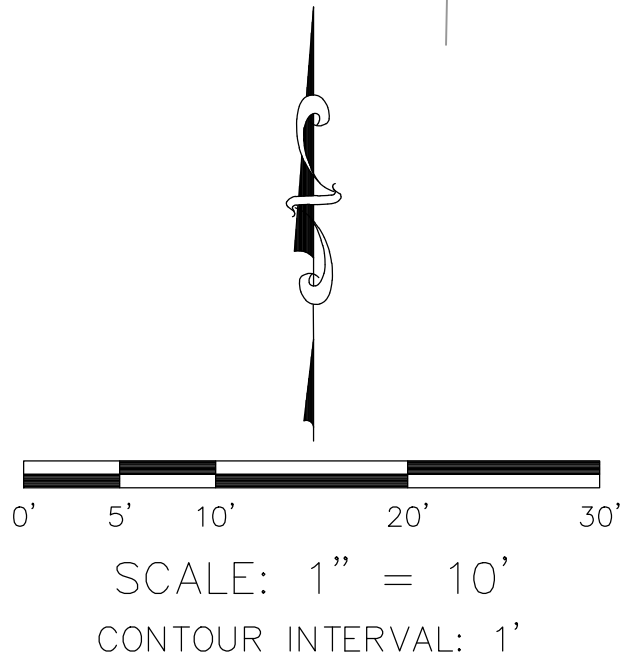


CP# 104
SET 1 INCH IP WITH
MAG NAIL AND 1 1/4 I
N STEEL WASHER
STAMPED "OCS CP"
DOWN 0.3 FT IN DIRT
N: 2194181.97'
E: 6061326.00'
EL: 41.62'

APN141-546-15
868 ST CLAIR ST COSTA MESA

APN141-546-14
860 ST CLAIR ST COSTA MESA

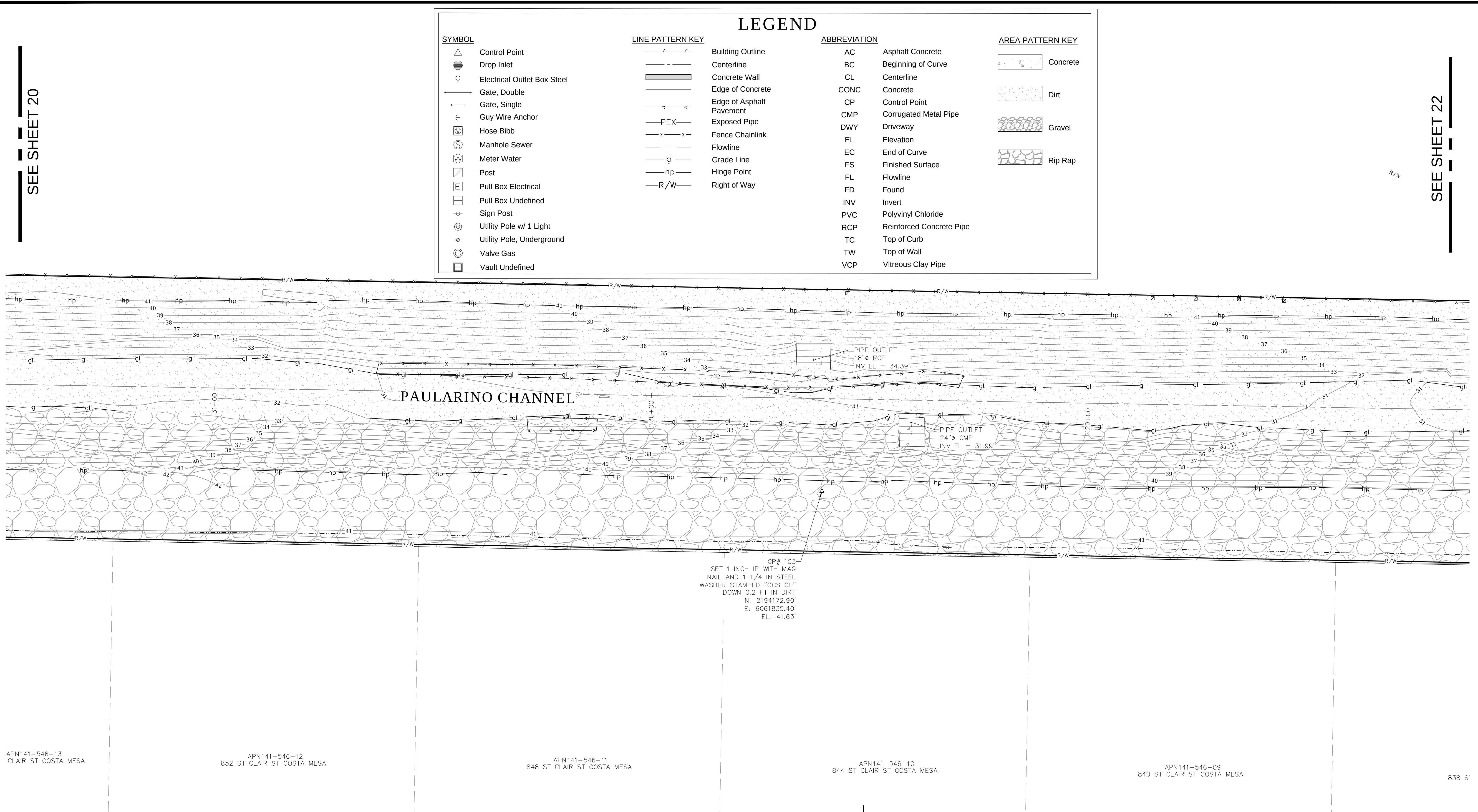
APN141-546-13
858 ST CLAIR ST COSTA MESA



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
			PAULARINO CHANNEL REHABILITATION OF CHANNEL	
			TOPOGRAPHIC MAP	
			PROJECT LIMITS: FROM EASTERLY SIDE OF FAIRVIEW AVENUE AND PAULARINO CHANNEL TO WESTERLY SIDE OF BEAR STREET AND PAULARINO CHANNEL	
			DATE OF SURVEY: 03/07/2022	BY: E. HERTZ & CREW
			MAPPING	BY: P. MAGUIRE
			OFFICE CHECK	BY: J. MORENO, PLS
			FIELD CHECK	BY: E. HERTZ
			SCALE: 1" = 10'	W.O. #EF21472
			FILE: PAULARINO_TOPO_2021.DWG	FILE: #2122PW-ENG0003
MARK	DATE	ITEM		
			REVISIONS	

SEE SHEET 20

SEE SHEET 22



APN141-546-13
CLAIR ST COSTA MESA

APN141-546-12
852 ST CLAIR ST COSTA MESA

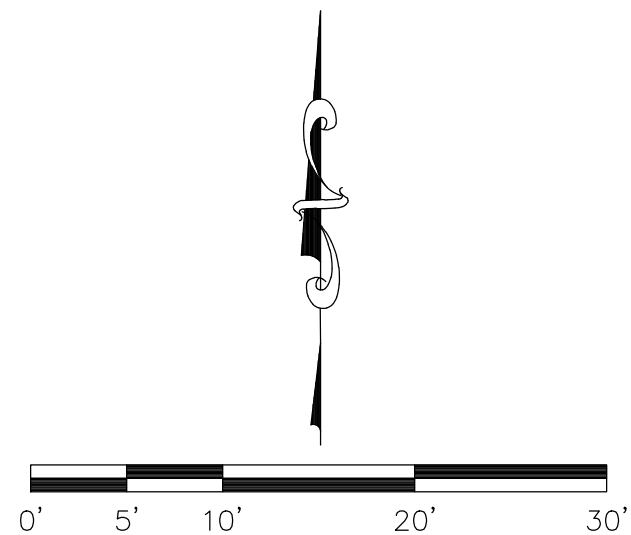
APN141-546-11
848 ST CLAIR ST COSTA MESA

APN141-546-10
844 ST CLAIR ST COSTA MESA

APN141-546-09
840 ST CLAIR ST COSTA MESA

838 S'

CP# 103
SET 1 INCH IP WITH MAG
NAIL AND 1 1/4 IN STEEL
WASHER STAMPED "OCS CP"
DOWN 0.2 FT IN DIRT
N: 2194172.90'
E: 6061835.40'
EL: 41.63'



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					
			PAULARINO CHANNEL REHABILITATION OF CHANNEL					
			TOPOGRAPHIC MAP					
			PROJECT LIMITS: FROM: EASTERLY SIDE OF FAIRVIEW AVENUE AND PAULARINO CHANNEL TO WESTERLY SIDE OF BEAR STREET AND PAULARINO CHANNEL					
			DATE OF SURVEY: 03/07/2022		BY: E. HERTZ & CREW		SHEET NO. 21 of 23	
			MAPPING		BY: P. MAGUIRE			
			OFFICE CHECK		BY: J. MORENO, PLS			
			FIELD CHECK		BY: E. HERTZ			
			MARK	DATE	ITEM			
			REVISIONS					
		SCALE: 1" = 10'	W.O. #EF21472	FILE #2122PW-ENG0003				
		FILE: PAULARINO_TOPO_2021.DWG						

SEE SHEET 21

SEE SHEET 23

BEAR ST.

CP# 102
SET 5/8 INCH REBAR
AND 1 1/2 INCH ALUMINUM
CAP STAMPED "OCS TCP"
DN 0.2 FT IN DIRT
N: 2194213.26'
E: 6061989.16'
EL: 41.43'

PAULARINO CHANNEL

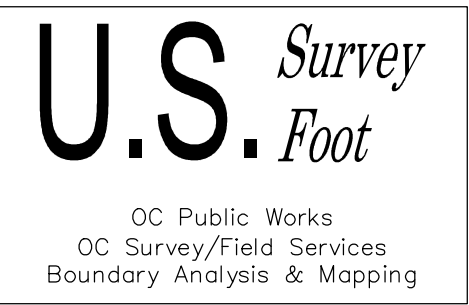
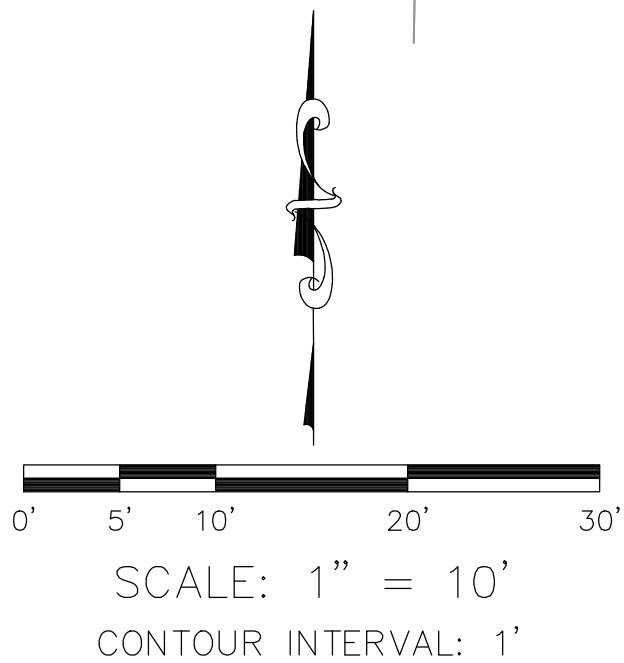
LEGEND

SYMBOL	LINE PATTERN KEY	ABBREVIATION	AREA PATTERN KEY
		AC Asphalt Concrete	
		BC Beginning of Curve	
		CL Centerline	
		CONC Concrete	
		CP Control Point	
		CMP Corrugated Metal Pipe	
		DWY Driveway	
		EL Elevation	
		EC End of Curve	
		FS Finished Surface	
		FL Flowline	
		FD Found	
		INV Invert	
		PVC Polyvinyl Chloride	
		RCP Reinforced Concrete Pipe	
		TC Top of Curb	
		TW Top of Wall	
		VCP Vitreous Clay Pipe	

APN141-546-06
830 ST CLAIR ST COSTA MESA

APN141-546-05
828 ST CLAIR ST COSTA MESA

APN141-546-04
824 ST CLAIR ST COSTA MESA



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
			PAULARINO CHANNEL REHABILITATION OF CHANNEL	
			TOPOGRAPHIC MAP	
			PROJECT LIMITS: FROM EASTERLY SIDE OF FAIRVIEW AVENUE AND PAULARINO CHANNEL TO WESTERLY SIDE OF BEAR STREET AND PAULARINO CHANNEL	
			DATE OF SURVEY: 03/07/2022	BY: E. HERTZ & CREW
			MAPPING	BY: P. MAGUIRE
			OFFICE CHECK	BY: J. MORENO, PLS
			FIELD CHECK	BY: E. HERTZ
			SCALE: 1" = 10'	W.O. #EF21472
			FILE: PAULARINO_TOPO_2021.DWG	FILE: #2122PW-ENG0003
MARK	DATE	ITEM	REVISIONS	
			SHEET NO. 22 of 23	

SEE SHEET 22

BEAR ST.

PAULARINO CHANNEL

PIPE OUTLET
30"Ø CMP
INV EL = 30.64'

2"Ø PVC PIPE
INV EL = 40.29'

CP# 101
SET MAG NAIL AND 1 1/4 INCH
STEEL WASHER STAMPED
"ORANGE COUNTY SURVEYOR CP"
FLUSH IN AC
N: 2194163.99'
E: 6062436.16'
EL: 40.16'

APN141-546-03
820 ST CLAIR ST COSTA MESA

APN141-546-02
816 SAINT CLAIR ST COSTA MESA

APN141-546-01
812 ST CLAIR ST COSTA MESA

BEAR ST.

LEGEND

SYMBOL

	Control Point
	Drop Inlet
	Electrical Outlet Box Steel
	Gate, Double
	Gate, Single
	Guy Wire Anchor
	Hose Bibb
	Manhole Sewer
	Meter Water
	Post
	Pull Box Electrical
	Pull Box Undefined
	Sign Post
	Utility Pole w/ 1 Light
	Utility Pole, Underground
	Valve Gas
	Vault Undefined

LINE PATTERN KEY

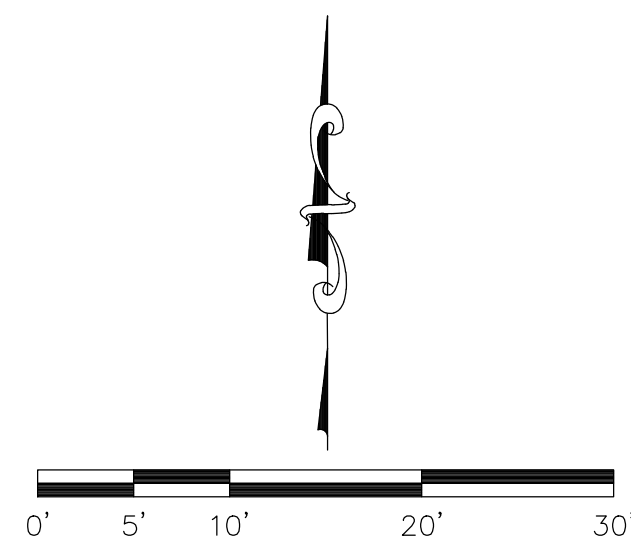
	Building Outline
	Centerline
	Concrete Wall
	Edge of Concrete
	Edge of Asphalt Pavement
	Exposed Pipe
	Fence Chainlink
	Flowline
	Grade Line
	Hinge Point
	Right of Way

ABBREVIATION

AC	Asphalt Concrete
BC	Beginning of Curve
CL	Centerline
CONC	Concrete
CP	Control Point
CMP	Corrugated Metal Pipe
DWY	Driveway
EL	Elevation
EC	End of Curve
FS	Finished Surface
FL	Flowline
FD	Found
INV	Invert
PVC	Polyvinyl Chloride
RCP	Reinforced Concrete Pipe
TC	Top of Curb
TW	Top of Wall
VCP	Vitreous Clay Pipe

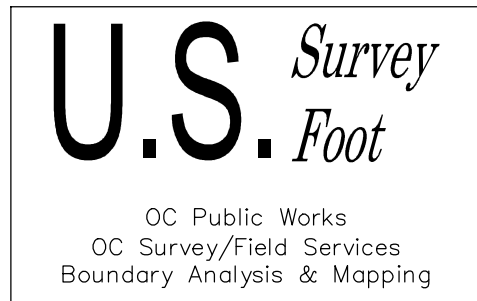
AREA PATTERN KEY

	Concrete
	Dirt
	Gravel
	Rip Rap



SCALE: 1" = 10'

CONTOUR INTERVAL: 1'



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
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			DATE OF SURVEY: 03/07/2022	BY: E. HERTZ & CREW
			MAPPING	BY: P. MAGUIRE
			OFFICE CHECK	BY: J. MORENO, PLS
			FIELD CHECK	BY: E. HERTZ
			SCALE: 1" = 10'	W.O. #EF21472
			FILE: PAULARINO_TOPO_2021.DWG	FILE: #2122PW-ENG0003
MARK	DATE	ITEM	REVISIONS	

SHEET NO.

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of

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