



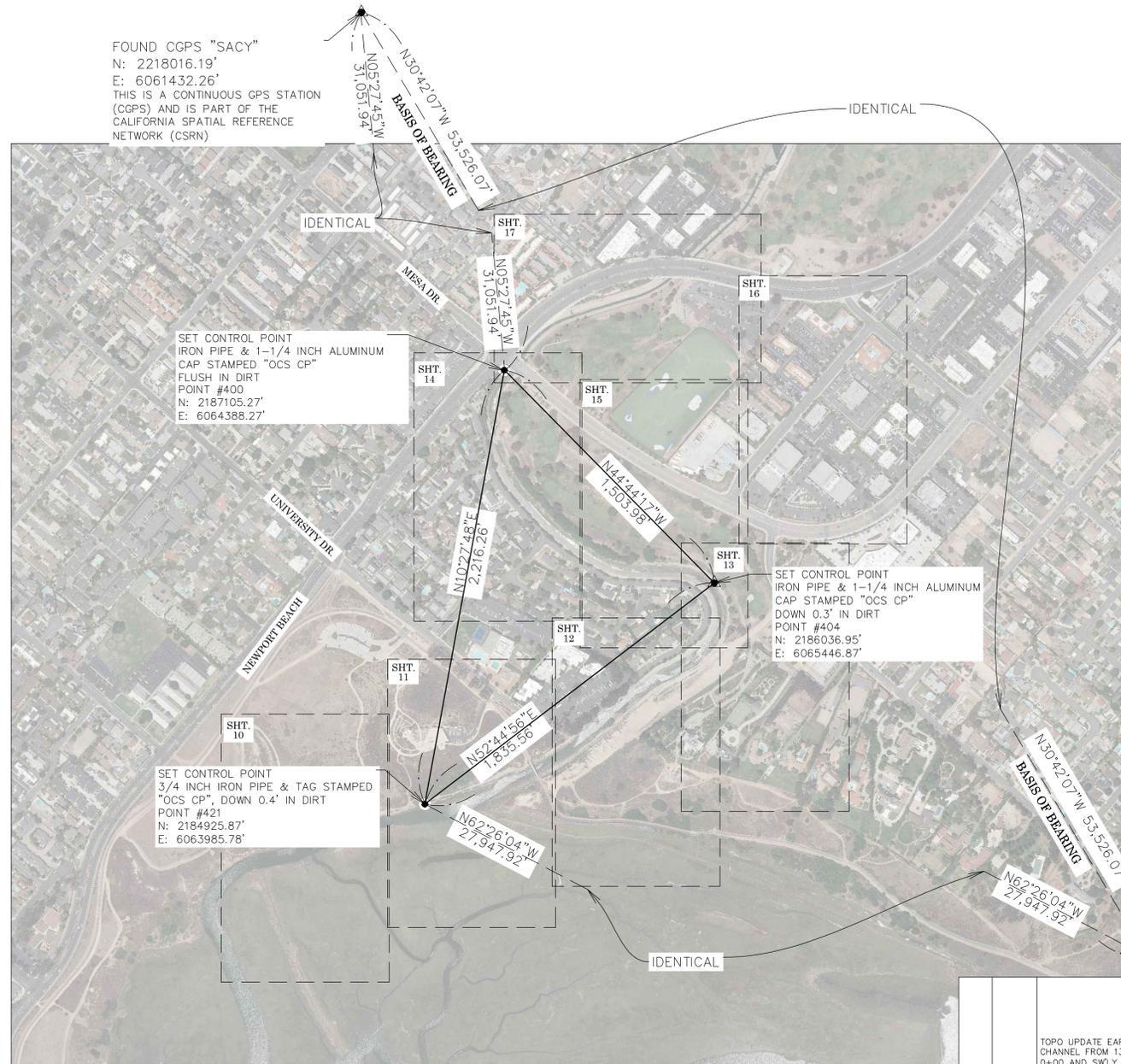
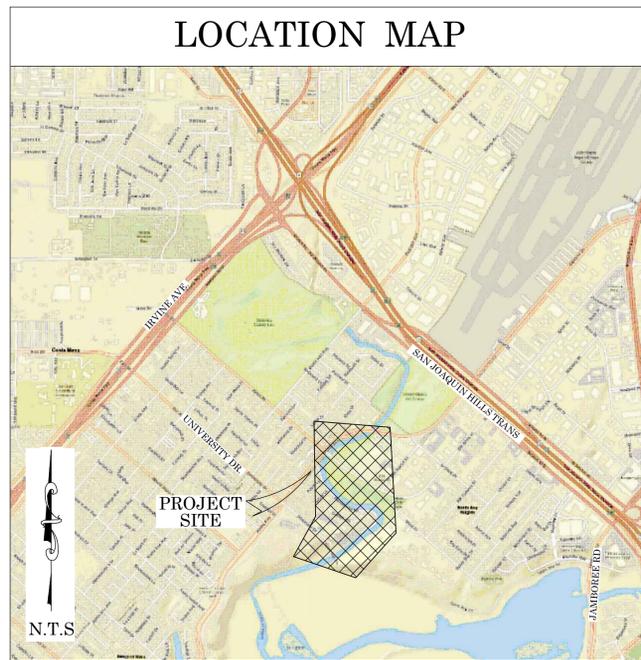
OC PUBLIC WORKS DEPARTMENT

KEVIN ONUMA, DIRECTOR OF PUBLIC WORKS



SANTA ANA DELHI CHANNEL (F01)

FROM DOWN STREAM OF MESA DR. TO 1400' W'LY OF BIKE BRIDGE OVER F01 CHANNEL



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 (SACY) AND (TRAK) BEING N30°42'07"W AS DERIVED FROM THE COORDINATES PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRN) ALONG WITH DATA SHEETS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.

HORIZONTAL DATUM

THE 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 1.00002582. COMBINATION FACTOR WAS HELD AT POINT NUMBER #404 N: 2186036.95', E: 6065446.87', ELEVATION: 17.66' ALL DISTANCES ARE BASED ON THE U.S. SURVEY FOOT.

VERTICAL DATUM

O.C.S. CM-21-71 ELEV. = 66.007' YEAR LEVELED 1989
NAVD 1988 (O.C.S. 1995 ADJUSTMENT)

DESCRIBED BY OCS 2001 - FOUND 3 3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "CM-21-71", SET IN THE TOP OF A 4 IN. BY 4 IN. CONCRETE POST. MONUMENT IS LOCATED IN THE SOUTHERLY CORNER OF THE INTERSECTION OF MESA DRIVE AND CYPRESS, 21 FT. WESTERLY OF THE CENTERLINE OF MESA DRIVE AND 27 FT. SOUTHERLY OF THE CENTERLINE OF CYPRESS, 3 POST. SOUTHERLY OF POWER POLE #1788402E AND IN LINE WITH GUY WIRES. MONUMENT IS SET 0.2 FT. BELOW TOP OF CURB.

NOTES

THE SURVEY INFORMATION SHOWN HEREON IS TO BE USED FOR TOPOGRAPHIC RELATIONSHIPS ONLY AND IS NOT INTENDED FOR LAND ACQUISITION OR BOUNDARY PURPOSES. TOPOGRAPHY OUTSIDE OF THE CONVENTIONAL SURVEY LIMITS SHOWN HEREON WERE DERIVED FROM AERIAL LIDAR PROVIDED BY DMI INC.

SHEET INDEX

| SHEET NO. | DESCRIPTION |
|--------------|-------------------------------|
| SHEET 1 | TITLE SHEET |
| SHEETS 2-8 | BOUNDARY MAP |
| SHEET 9 | ALIGNMENT ESTABLISHMENT SHEET |
| SHEETS 10-17 | TOPOGRAPHIC MAP |
| SHEETS 18-26 | SECTIONS |

PURPOSE OF SURVEY

THE PURPOSE OF THE SURVEY IS TO PROVIDE A TOPOGRAPHIC MAP AND RIGHT OF WAY ESTABLISHMENT FOR THIS PORTION OF THE SANTA ANA DELHI CHANNEL (F01).

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 23 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 23 DAY OF JANUARY, 2026.

Tate Lofgreen

TATE LOFGREEN, PLS. SENIOR LAND SURVEYOR



TOPOGRAPHIC MAPPING PROJECT

| REVISIONS | | MARK | | DATE | ITEM |
|-----------|----------|------|--|------|------|
| △ | 08/25/25 | △ | TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 | | |
| △ | 10/22/24 | △ | FIXED COURSE L3 ON DETAIL B SHEET 6 | | |
| △ | 7/24/23 | △ | ALIGNMENT LABEL UPDATE | | |
| △ | 6/29/23 | △ | UPDATING TEXT | | |
| △ | 7/12/22 | △ | CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT, CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE | | |
| △ | 5/19/22 | △ | REVISED RIGHT OF WAY, FIXED FENCING, ADD BATHY, & LOCATED GAUGES | | |
| △ | 12/30/25 | △ | TOPO UPDATE EARTHEN CHANNEL FROM 13+00 TO 0+00 AND SW'LY 1000' INTO WASH. FIXED CENTERLINE ALIGNMENT AND RIGHT OF WAY ALONG WITH EASEMENTS FROM STATIONS 13+15.16 EC TO 0+01.00 SHTS 7 & 9 | | |
| △ | 12/4/25 | △ | REVISED RIGHT OF WAY, FIXED FENCING, ADD BATHY, & LOCATED GAUGES | | |

| COUNTY OF ORANGE | | OC PUBLIC WORKS/ENGINEERING SERVICES | | OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING | |
|---|--|--------------------------------------|--|--|--|
| SANTA ANA DELHI CHANNEL (F01) | | | | | |
| TOPOGRAPHIC SURVEY | | | | | |
| TITLE SHEET | | | | | |
| PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL | | | | | |
| DATE OF SURVEY: 04/16/2020 | | BY: T. LOFGREEN & CREW | | SHEET NO. | |
| MAPPING | | BY: H. AFIM | | 1 | |
| OFFICE CHECK | | BY: M. KUBISTY, PLS | | of | |
| FIELD CHECK | | BY: T. LOFGREEN & CREW | | 26 | |
| SCALE: 1" = 40' | | W.O. #EF164045 | | FILE #1920PW-IND016 | |
| FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2025.DWG | | | | | |

ESTABLISHMENT NOTES

- (A) ESTABLISHED THE CENTERLINE OF MESA DRIVE BY HOLDING A LINE BETWEEN MONUMENTS [1] AND [4]
- (B) ESTABLISHED THE CENTERLINE BC OF MESA DRIVE BY HOLDING RECORD DISTANCE NW'LY FROM MONUMENT [4] PER (R3).
- (C) ESTABLISHED THE CENTERLINE OF IRVINE AVE. BY HOLDING A LINE BETWEEN MONUMENTS [2] AND [5]
- (D) S.F.N. ESTABLISHED THE CENTERLINE INTERSECTION OF MESA DRIVE AND ANNIVERSARY LN. BY HOLDING RECORD DISTANCE SW'LY ALONG LINE ESTABLISHMENT FROM MONUMENT [2], PER (R2).
- (E) ESTABLISHED THE CENTERLINE OF ANNIVERSARY LN PER (R2) BY LEAST SQUARES ADJUSTMENT BETWEEN ESTABLISHMENT NOTE (D) AND MONUMENT [8]
- (F) ESTABLISHED THE CENTERLINE OF ANNIVERSARY LN PER (R2). BETWEEN MONUMENTS MONUMENTS [9] [10] AND [11]
- (G) ESTABLISHED THE CENTERLINE OF ANNIVERSARY LN PER (R2). BETWEEN MONUMENTS [11] [12] AND [13]
- (H) ESTABLISHED THE CENTERLINE OF ANNIVERSARY LN PER (R2). BY LEAST SQUARES ADJUSTMENT BETWEEN MONUMENTS [14] AND [15]
- (I) ESTABLISHED THE CENTERLINE OF ANNIVERSARY LN BY PROLONGATION THE TANGENT LINE FROM THE SW'LY TERMINUS OF ESTABLISHMENT NOTE (H) TO THE INTERSECTION WITH ESTABLISHMENT NOTE (E)
- (J) ESTABLISHED THE E'LY RIGHT OF WAY OF ANNIVERSARY LN PARALLEL, CONCENTRIC, WITH & 25' E'LY OF ESTABLISHMENT (H) PER (R2).
- (K) ESTABLISHED THE E'LY RIGHT OF WAY OF ANNIVERSARY LN PARALLEL, CONCENTRIC WITH, & 25' E'LY OF ESTABLISHMENT (G) PER (R2).
- (L) ESTABLISHED THE E'LY RIGHT OF WAY OF ANNIVERSARY LN PARALLEL, CONCENTRIC WITH, & 25' E'LY OF ESTABLISHMENT (F) PER (R2).
- (M) ESTABLISHED THE E'LY RIGHT OF WAY OF ANNIVERSARY LN PARALLEL, CONCENTRIC WITH, & 25' E'LY OF ESTABLISHMENT (E) PER (R2).
- (N) ESTABLISHED THE INTERSECTION POINT BETWEEN THE W'LY RIGHT OF WAY OF SANTA ANA DELHI CHANNEL AND THE E'LY RIGHT OF WAY OF ANNIVERSARY LN BY HOLDING RECORD DISTANCE AND BEARING PER (R1) ALONG ESTABLISHMENT NOTE (M) FROM ESTABLISHMENT NOTE (A)
- (P) ESTABLISHED THE POINT OF BEGINNING OF PARCEL 5, PER (R20) BY HOLDING A RECORD DISTANCE PER (R20) SE'LY FROM MONUMENT [1] ALONG ESTABLISHMENT NOTE (A)
- (Q) ESTABLISHED THE CENTERLINE OF PARCELS 5,6 AND PORTION OF 7 OF (R20) BY HOLDING A RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION PER (R20) S'LY FROM (P) BETWEEN (F) & (A)
- (R) ESTABLISHED THE SE'LY LINE OF TRACT 3068 BY HOLDING A LINE BETWEEN MONUMENTS [16] AND [17]
- (S) S.F.N. ESTABLISHED THE INTERSECTION OF THE W'LY LINE OF (R21) AND LINE ESTABLISHMENT (A) BY HOLDING RECORD DISTANCE PER (R21) SE'LY FROM MONUMENT [2] ALONG LINE ESTABLISHMENT (A)
- (T) ESTABLISHED THE W'LY RIGHT OF WAY OF (R21) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION PER (R21). BETWEEN ESTABLISHMENTS (S) AND (Q)
- (U) ESTABLISHED THE W'LY TERMINUS OF THAT COURSE DESCRIBED IN (R22) AS BEING THE INTERSECTION OF ESTABLISHMENT (T) WITH A LINE THAT IS PARALLEL WITH, PERPENDICULAR TO, & 90' SW'LY OF ESTABLISHMENT NOTE (A), PER (R21).
- (V) ESTABLISHED THE E'LY TERMINUS OF THAT COURSE DESCRIBED IN (R22) AS BEING THE INTERSECTION OF ESTABLISHMENT (Z) WITH A LINE THAT IS PARALLEL WITH, PERPENDICULAR TO, & 44' SW'LY OF ESTABLISHMENT NOTE (A), PER (R21).
- (W) ESTABLISHED THE S'LY RIGHT OF WAY OF MESA DRIVE BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION BETWEEN ESTABLISHMENTS (U) AND (U), PER (R24).
- (X) ESTABLISHED THE INTERSECTION OF THE NE'LY LINE OF (R21) AND LINE ESTABLISHMENT (A) BY HOLDING RECORD DISTANCE PER (R20) SE'LY FROM ESTABLISHMENT (P), ALONG LINE ESTABLISHMENT (A)

ESTABLISHMENT NOTES

- (Y) ESTABLISHED THE INTERSECTION OF THE NE'LY LINE OF (R21) AND LINE ESTABLISHMENT (A) BY HOLDING RECORD DISTANCE PER (R21) SE'LY FROM ESTABLISHMENT (X), ALONG LINE ESTABLISHMENT (A)
- (Z) ESTABLISHED THE E'LY COURSE OF (R21) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION PARALLEL & CONCENTRIC WITH (R20)
- (AA) ESTABLISHED THE INTERSECTION OF THE NE'LY LINE OF (R25) AND LINE ESTABLISHMENT (A) BY HOLDING RECORD DISTANCE PER (R25) SE'LY FROM ESTABLISHMENT (Y), ALONG LINE ESTABLISHMENT (A)
- (AB) ESTABLISHED THE NE'LY COURSE OF (R25) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION FROM ESTABLISHMENT NOTE (AA)
- (AC) ESTABLISHED THE S'LY RIGHT OF WAY OF MESA DRIVE BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 43' S'LY OF ESTABLISHMENT (A) PER (R23).
- (AD) ESTABLISHED THE SW'LY TERMINUS OF PARCEL 7 OF (R20) BY HOLDING RECORD ANGLE & DISTANCE FROM MONUMENT [4] PER (R20) PRODUCES A NON TANGENT LINE SW'LY FROM (A) SEE ALSO (R1)
- (AE) ESTABLISHED E.C OF PARCEL 7 OF (R20) HOLDING RECORD CURVATURE INFORMATION PER (R20)
- (AG) ESTABLISHED PORTION OF CENTERLINE OF PARCEL 7 OF (R20) BY HOLDING A NON TANGENT LINE BETWEEN ESTABLISHMENTS (A) & (A) SEE NOTE (A) & (R1)
- (AH) ESTABLISHED THE SE'LY LINE OF (R21) BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 60' S'LY OF ESTABLISHMENT (A)
- (AI) ESTABLISHED THE NW'LY LINE OF PARCEL 2 OF (R21) BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 40' N'LY OF ESTABLISHMENT (A)
- (AJ) ESTABLISHED PORTION OF THE NW'LY LINE OF PARCEL 2 OF (R21) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION PARALLEL & CONCENTRIC WITH THE NW'LY LINE OF (R20)
- (AL) ESTABLISHED THE INTERSECTION OF THE NE'LY LINE OF (R28) AND LINE ESTABLISHMENT (A) BY HOLDING RECORD DISTANCE PER (R28) SE'LY FROM ESTABLISHMENT (Y), ALONG LINE ESTABLISHMENT (A)
- (AM) ESTABLISHED THE COURSE OF (R28) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION PER (R28). BETWEEN ESTABLISHMENT NOTES (AL) AND (A)
- (AN) ESTABLISHED THE NW'LY COURSE OF PARCEL 1 OF (R31) AND NW'LY BOUNDARY OF LAND DESCRIBED IN (R32) BY HOLDING RECORD ANGLE, DISTANCE, & CURVATURE INFORMATION BETWEEN ESTABLISHMENT NOTE (A) & MONUMENT [52]
- (AO) ESTABLISHED THE NW'LY COURSE OF PARCEL 2 OF (R31) HOLDING RECORD CURVATURE INFORMATION PER (R31) TANGENT TO ESTABLISHMENT (AN) SW'LY FROM MONUMENT [52] PASSING THROUGH MONUMENT [72]
- (AP) ESTABLISHED THE SE'LY LINE OF PARCEL 1 OF (R31) BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 30' SE'LY OF ESTABLISHMENT (AN)
- (AQ) ESTABLISHED THE SE'LY LINE OF PARCEL 2 OF (R31) BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 30' SE'LY OF ESTABLISHMENT (A)
- (AR) ESTABLISHED THE S'LY COURSE OF (R35) BY HOLDING RECORD DIMENSIONS PARALLEL WITH, CONCENTRIC TO, & 132' SE'LY OF ESTABLISHMENT (Z), BETWEEN MONUMENTS [69] & [66]
- (AS) S.F.N. ESTABLISHED THE INTERSECTION OF NW'LY LINE OF (R36) AND ESTABLISHMENT (A) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION SW'LY FROM ESTABLISHMENT (A), PER (R37).
- (AT) ESTABLISHED E'LY LINE OF (R38) HOLDING MONUMENTS PER (R36) AS SHOWN HEREIN.

ESTABLISHMENT NOTES

- (AW) ESTABLISHED THE SW'LY COURSE OF (R32) BY HOLDING RECORD INFORMATION THROUGH MONUMENTS [66] [65] [67] [53] [52] [58]
- (AX) ESTABLISHED THE E'LY RIGHT OF WAY BC BY HOLDING A RECORD DIMENSION PARALLEL WITH, PERPENDICULAR TO, & 25' E'LY OF ESTABLISHMENT NOTE (N)
- (AY) ESTABLISHED THE SW'LY LINE OF (R39) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION THROUGH MONUMENTS [69] [70] [71] [72] [38]
- (AZ) ESTABLISHED THE SE'LY TERMINUS OF THAT COURSE DESCRIBED IN (R28) AS BEING THE INTERSECTION OF ESTABLISHMENT (AM) WITH A LINE THAT IS PARALLEL WITH, PERPENDICULAR TO, & 10' W'LY OF THE W'LY RIGHT OF WAY LINE OF BIRCH STREET, PER (R28).
- (BA) S.F.N. ESTABLISHED THE CENTERLINE INTERSECTION OF MESA DRIVE AND BIRCH STREET BY BY TIES PER (R30)
- (BB) ESTABLISHED BY INTERSECTION BETWEEN ESTABLISHMENT NOTES (AW) AND (A)
- (BC) ESTABLISHED THE CENTERLINE OF UNIVERSITY DRIVE PER (R1). BY HOLDING A RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION PER (R1) SE'LY FROM MONUMENT [5] FITS 20' OFFSET FROM (E)
- (BD) ESTABLISHED BY INTERSECTION BETWEEN ESTABLISHMENT NOTES (BB) AND (A)
- (BE) S.F.N ESTABLISHED BY TIES PER (R45)
- (BF) S.F.N ESTABLISHED A POINT ON THE CENTERLINE OF UNIVERSITY DRIVE BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 20' S'LY OF ESTABLISHMENT (E) PER (R41).
- (BG) ESTABLISHED THE CENTERLINE OF UNIVERSITY DRIVE PER (R1). BY HOLDING A RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION PER (R1) SE'LY FROM ESTABLISHMENT (E)
- (BH) ESTABLISHED THE N'LY RIGHT OF WAY OF UNIVERSITY DRIVE BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 50' N'LY OF ESTABLISHMENT (E) & (E)
- (BI) ESTABLISHED THE SW'LY CORNER OF LOT Y OF (R29) BY HOLDING RECORD DISTANCE OF 985.20' PER (R29) SW'LY FROM MONUMENT [2] ALONG ESTABLISHMENT (C) PER (R29).
- (BJ) ESTABLISHED STATION F OF (R29) BY HOLDING RECORD ANGLE AND DISTANCE OF 1596.07' PER (R29) SE'LY FROM ESTABLISHMENT NOTE (E)
- (BK) ESTABLISHED THE CENTERLINE OF ACACIA ST BY HOLDING A LINE BETWEEN MONUMENTS [74] AND [75]
- (BL) ESTABLISHED THE CENTERLINE INTERSECTION OF MESA DR. & CYPRESS ST. BY TIES PER CORNER RECORDS 2014-1432 B & 2013-0253

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|--|--|--|-------------------------|
| | | COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING | |
| | | SANTA ANA DELHI CHANNEL (F01) | |
| | | BOUNDARY AND RIGHT OF WAY ESTABLISHMENT SHEETS | |
| | | PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE. TO: 800' WESTERLY OF BIKE BRIDGE OF OVER FOI CHANNEL. | |
| | | DATE OF SURVEY: 04/16/2020 | BY: T. LOFGREEN & PARTY |
| | | TOPOGRAPHIC MAPPING | BY: H. AFTIM |
| | | OFFICE CHECK | BY: M. KUBISTY |
| | | FIELD CHECK | BY: T. LOFGREEN & PARTY |
| | | SCALE: N.T.S. | W.O. #EF164045 |
| | | | FILE #1920PW-IND016 |
| | | FILE: SANTA ANA DELHI CHANNEL (F01)_BOUNDARY_2020.DWG | |
| | | SHEET NO. 2 of 26 | |

| | | | |
|-----------|---|-----------|---|
| 12/30/25 | TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00, LOCATED E'LY FENCE AND CLEANED UP BOUNDARY SHEETS | 08/25/24 | TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00, LOCATED E'LY FENCE AND CLEANED UP BOUNDARY SHEETS |
| 12/4/25 | REVISED RIGHT OF WAY, FIXED FENCING, ADD BATHY, & LOCATED GAUGES | 10/22/24 | FIXED COURSE L3 ON DETAIL B SHEET 6 |
| | | 7/24/23 | ALIGNMENT LABEL UPDATE |
| | | 6/29/23 | TEXT UPDATE |
| | | 7/12/22 | CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT, CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE |
| | | 5/19/22 | ADDED ENCUMBRANCE SHEET 8 |
| MARK | DATE | MARK | DATE |
| REVISIONS | | REVISIONS | |

MONUMENT NOTES

- 1 FOUND LEAD, TACK AND TAG STAMPED "RCE 27743", PER (R17), FLUSH IN AC, ACCEPTED AS THE CENTERLINE INTERSECTION OF SANTA ANA AVE. AND MESA DRIVE.
- 2 FOUND 2 1/2" PUNCHED BRASS DISK, STAMPED "8-99", PER (R18), DOWN 0.8' IN O.C.S. WELL MONUMENT, ACCEPTED AS THE CENTERLINE INTERSECTION OF IRVINE AVE. AND MESA DRIVE.
- 3 FOUND 2 1/2" PUNCHED BRASS DISK, STAMPED "8-99.", PER (R18), DOWN 0.8' IN O.C.S. WELL MONUMENT, N40°38'43"E 0.05' FROM ESTABLISHMENT NOTE 6
- 4 FOUND GEAR SPIKE AND 1 1/2" WASHER, STAMPED "8-99.", PER (R18), FLUSH IN AC, ACCEPTED AS CENTERLINE BC OF MESA DRIVE.
- 5 FOUND 5/8" HEXBAR PUNCHED, PER (R19), DOWN 1.82' IN O.C.S. WELL MONUMENT, ACCEPTED AS THE CENTERLINE INTERSECTION OF IRVINE AVE. AND UNIVERSITY DRIVE.
- 6 FOUND GEAR SPIKE AND 1 1/2" WASHER STAMPED "RCE 28328", PER (R5), DOWN 0.05' IN A/C, S48°49'54"E 0.11' FROM CENTERLINE BC OF ANNIVERSARY LN.
- 7 FOUND GEAR SPIKE AND 1 1/2" WASHER STAMPED "RCE 28328", PER (R5), DOWN 0.05' IN A/C, S83°12'41"E 0.19' FROM CENTERLINE EC OF ANNIVERSARY LN.
- 8 FOUND GEAR SPIKE WITH TAG STAMPED 'LS 4182', PER (R4), FLUSH IN AC. ACCEPTED AS CENTERLINE BC OF ANNIVERSARY LN.
- 9 FOUND SPIKE, NO WASHER, ACCEPTED AS SPIKE & WASHER STAMPED "O.C.S." PER (R1), DOWN 0.05' IN A/C, ACCEPTED AS CENTERLINE EC OF ANNIVERSARY LN.
- 10 FOUND SPIKE, NO WASHER, ACCEPTED AS SPIKE & WASHER STAMPED "O.C.S." PER (R1), DOWN 0.05' IN A/C, S42°20'00"E 0.27' FROM CENTERLINE BC OF ANNIVERSARY LN. ACCEPTED AS POINT ON CENTERLINE.
- 11 FOUND SPIKE, NO WASHER, ACCEPTED AS SPIKE & WASHER STAMPED "O.C.S." PER (R1), DOWN 0.05' IN A/C, ACCEPTED AS CENTERLINE EC OF ANNIVERSARY LN.
- 12 FOUND SPIKE, NO WASHER ACCEPTED AS SPIKE & WASHER STAMPED "O.C.S." PER (R1), FLUSH IN A/C, ACCEPTED AS CENTERLINE BC OF ANNIVERSARY LN.
- 13 FOUND SPIKE, NO WASHER, ACCEPTED AS SPIKE & WASHER STAMPED "O.C.S." PER (R1), FLUSH IN A/C, ACCEPTED AS CENTERLINE EC OF ANNIVERSARY LN.
- 14 FOUND SPIKE, NO WASHER, ACCEPTED AS SPIKE & WASHER STAMPED "O.C.S." PER (R1), FLUSH IN A/C, ACCEPTED AS CENTERLINE BC OF ANNIVERSARY LN.
- 15 FOUND SPIKE, NO WASHER, ACCEPTED AS SPIKE & WASHER STAMPED "O.C.S." PER (R1), DN. 0.05' IN A/C, ACCEPTED AS CENTERLINE EC OF ANNIVERSARY LN.
- 16 FOUND 2" IRON PIPE, NAIL AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R1), DOWN 0.4' IN AC, ACCEPTED AS INTERSECTION OF THE CENTERLINE OF ANNIVERSARY LN. & THE SW'LY LINE OF (R2).
- 17 FOUND 2" IRON PIPE, NAIL AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R1), DOWN 0.4' IN DIRT, ACCEPTED AS POINT ON SW'LY LINE OF (R2) N62°51'36"W 0.20' FROM E'LY RIGHT OF WAY EC OF ANNIVERSARY LN.
- 18 FOUND 2" IRON PIPE, NAIL AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R1), FLUSH IN DIRT, S80°30'52"W 0.19' FROM E'LY RIGHT OF WAY PCC OF ANNIVERSARY LN.
- 19 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R1), FLUSH IN DIRT, N83°30'52"W 0.19' FROM E'LY RIGHT OF WAY PCC OF ANNIVERSARY LN.
- 20 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R1), DOWN 0.1' IN DIRT, S46°45'14"W 0.10' FROM E'LY RIGHT OF WAY PCC OF ANNIVERSARY LN.
- 21 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R1), DOWN 0.1' IN DIRT, S08°56'57"E 0.08' FROM E'LY RIGHT OF WAY EC. OF ANNIVERSARY LN.
- 22 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R1), DOWN 0.1' IN DIRT, S06°14'00"E 0.08' FROM E'LY RIGHT OF WAY BC. OF ANNIVERSARY LN.
- 23 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R1), DOWN 0.1' IN DIRT, ACCEPTED AS POINT IN E'LY RIGHT OF WAY EC. OF ANNIVERSARY LN.
- 24 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R1), DOWN 1.1' IN DIRT, N73°59'39"E 0.29' FROM EC ESTABLISHMENT NOTE 2
- 25 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R1), DOWN 2.0' IN DIRT, N47°18'38"E 0.29' FROM BC ESTABLISHMENT NOTE 2
- 26 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S." PER (R1), DOWN 0.4' IN DIRT, N32°15'10"E 0.24' FROM EC ESTABLISHMENT NOTE 2
- 27 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R1), DOWN 0.4' IN DIRT, N18°29'07"E 0.24' FROM BC ESTABLISHMENT NOTE 2
- 28 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R1), DOWN 0.8' IN DIRT, N66°30'25"W 0.06' FROM EC ESTABLISHMENT NOTE 2
- 29 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S." PER (R1), FLUSH IN DIRT, N00°46'29"E 0.43' FROM ESTABLISHMENT NOTE 2
- 30 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R1), DOWN 1.1' IN DIRT, ACCEPTED AS BC OF ESTABLISHMENT NOTE 2
- 31 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R1), DOWN 0.8' IN DIRT, ACCEPTED AS PCC OF ESTABLISHMENT NOTE 2
- 32 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R1), DOWN 0.6' IN DIRT, ACCEPTED AS POINT ON LINE ESTABLISHMENT 2 N57°25'07"E 0.29' FROM THE INTERSECTION OF LINE ESTABLISHMENTS 2 & 2

MONUMENT NOTES

- 33 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R27), DOWN 0.5' IN DIRT, ACCEPTED AS BC OF ESTABLISHMENT NOTE 2
- 34 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R1), DOWN 0.2' IN DIRT, N27°51'14"W 0.05' FROM BC ESTABLISHMENT NOTE 2
- 35 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R1), DOWN 0.4' IN DIRT, ACCEPTED AS POINT ON LINE ESTABLISHMENT 2 S49°21'29"W 0.20' FROM EC
- 36 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R27), DOWN 0.6' IN DIRT, ACCEPTED AS THE INTERSECTION OF LINE ESTABLISHMENTS 2 & 2
- 37 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R27), DOWN 0.8' IN DIRT, ACCEPTED AS BC ON LINE ESTABLISHMENT 2
- 38 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R27), DOWN 0.3' IN DIRT, ACCEPTED AS INTERSECTION OF LINE ESTABLISHMENTS 2 & 2
- 39 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R1), DOWN 0.6' IN DIRT, N79°30'20"E 0.27' FROM SW'LY CORNER OF PARCEL 1 OF (R21) ACCEPTED AS POINT ON S'LY LINE OF (R21)
- 40 FOUND 4"x4" CONC. MON. WITH LEAD AND BRASS NAIL, PER RSB 80/11, DOWN 1.4' IN DIRT, ACCEPTED AS TIE MONUMENT CALLED FOR IN (R20)
- 41 FOUND 2" IRON PIPE AND 1 1/4 TAG STAMPED "OCS", PER (R1), FLUSH IN DIRT, S73°39'20"W, 0.28' FROM NW'LY CORNER OF PARCEL2 OF (R22) ACCEPTED AS POINT ON NW'LY LINE OF (R22)
- 42 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R1), DOWN 0.4' IN DIRT, ACCEPTED AS B.C. OF (R21)
- 43 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R1), DOWN 0.2' IN DIRT, N32°58'59"W 0.27' FROM EC (R21) 2
- 48 FOUND 2 1/2" PUNCHED BRASS DISK, STAMPED "8-99", PER (R30), DOWN 1.5' IN O.C.S. WELL MONUMENT, ACCEPTED AS THE CENTERLINE BC OF MESA DRIVE.
- 49 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R27), DOWN 0.3' IN DIRT, N26°11'27"W 0.10' FROM EC ESTABLISHMENT 2
- 50 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R27), DOWN 0.4' IN DIRT, ACCEPTED AS POINT ON CURVATURE ALONG ESTABLISHMENT 2 0.10' SW'LY FROM INTERSECTION OF ESTABLISHMENTS 2 & 2
- 51 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "OCS", PER (R27), DOWN 0.4' IN DIRT,ACCEPTED AS BC ALONG LINE ESTABLISHMENT 2
- 52 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R27), DOWN 2.30' IN DIRT, ACCEPTED AS EC ESTABLISHMENT NOTE 2 AND BC ESTABLISHMENT 2
- 53 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R27), DOWN 0.85' IN DIRT, ACCEPTED AS THE INTERSECTION OF LINE ESTABLISHMENTS 2 & 2
- 54 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R27), DOWN 0.90' IN DIRT, ACCEPTED AS BC ALONG LINE ESTABLISHMENT 2
- 55 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R27), DOWN 1.40' IN DIRT, N38°07'38"W 0.07' FROM EC ESTABLISHMENT NOTE 2
- 56 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R27), DOWN 0.80' IN DIRT, ACCEPTED AS BC ESTABLISHMENT NOTE 2
- 57 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R27), DOWN 0.80' IN DIRT, ACCEPTED AS POINT ON ESTABLISHMENT NOTE 2 N13°11'06"E 0.16' FROM INTERSECTION BETWEEN LINE ESTABLISHMENTS 2 & 2
- 58 FOUND 1 1/2" IRON PIPE AND TAG STAMPED "LS 6042", PER (R36), DOWN 0.20' IN DIRT, ACCEPTED B.C. ON ESTABLISHMENT 2
- 59 FOUND 1 1/2" IRON PIPE AND TAG STAMPED "LS 6042", PER (R36), DOWN 0.20' IN DIRT, ACCEPTED AS ANGLE POINT IN SOUTHEASTERLY LINE OF 2

MONUMENT NOTES

- 60 FOUND 1 1/2" IRON PIPE AND TAG STAMPED 'LS 6042', PER (R36), DOWN 0.20' IN DIRT, ACCEPTED AS ANGLE POINT IN SOUTHEASTERLY LINE OF (R38)
- 61 FOUND 1 1/2" IRON PIPE AND TAG STAMPED 'LS 6042', PER (R36), DOWN 0.20' IN DIRT, ACCEPTED AS ANGLE POINT IN SOUTHEASTERLY LINE OF (R38)
- 62 FOUND 1 1/2" IRON PIPE AND TAG STAMPED 'LS 6042', PER (R36), FLUSH IN DIRT, ACCEPTED AS ANGLE POINT TIN SOUTHEASTERLY LINE OF (R38)
- 63 FOUND 1 1/2" IRON PIPE AND TAG STAMPED 'LS 6042', PER (R36), FLUSH IN DIRT, ACCEPTED AS ANGLE POINT IN SOUTHEASTERLY LINE OF (R38)
- 64 FOUND 1 1/2" IRON PIPE AND TAG STAMPED 'LS 6042', PER (R36), DOWN 0.3' IN DIRT, ACCEPTED AS ANGLE POINT ON SOUTHEASTERLY LINE OF (R38)
- 65 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R27), DOWN 0.1' IN DIRT, ACCEPTED AS SOUTHERLY CORNER OF (R38)
- 66 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R27), DOWN 0.15' IN DIRT, ACCEPTED AS INTERSECTION BETWEEN ESTABLISHMENT NOTES 2 & 2
- 67 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R27), DOWN 0.6' IN DIRT, ACCEPTED AS B.C ALONG SW'LY COURSE OF 2
- 68 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R27), DOWN 0.3' IN DIRT, N28°04'46"E 0.09' FROM BC ESTABLISHMENT NOTE 2
- 69 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R27), FLUSH IN DIRT, ACCEPTED AS THE INTERSECTION OF LINE ESTABLISHMENTS 2 & 2
- 70 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "OCS", PER (R27), DOWN 0.2' IN DIRT, ACCEPTED AS BC OF LINE ESTABLISHMENT 2
- 71 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "O.C.S.", PER (R27), DOWN 0.1' IN DIRT, ACCEPTED AS INTERSECTION OF LINE ESTABLISHMENTS 2 & 2
- 72 FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED "OCS", PER (R27), DOWN 1.7' IN DIRT, ACCEPTED AS THE INTERSECTION OF LINE ESTABLISHMENTS 2 & 2
- 73 FOUND 2" PUNCHED BRASS DISK, PER (R41), DOWN 0.8' IN O.C.S. WELL MONUMENT, ACCEPTED AS THE CENTERLINE INTERSECTION OF MONTE VISTA AV. AND IRVINE AV.
- 74 FOUND PUNCHED SPIKE AND WASHER STAMPED '8-99', PER (R49), FLUSH IN AC, ACCEPTED AS THE CENTERLINE INTERSECTION OF MESA DRIVE AND ACACIA ST.
- 75 FOUND PUNCHED ROUND HEAD SPIKE, PER (R48), DOWN 0.3 IN AC, ACCEPTED AS THE CENTERLINE INTERSECTION OF ORCHARD DR. AND ACACIA ST.
- 76 FOUND SPIKE & WASHER STAMPED "LS 7914" FLUSH IN A.C., ACCEPTED AS CENTERLINE RADIUS POINT PER PM 2014-171 PMB 385/30-33

| | | | | | |
|-----------|----------|--|---|---|--|
| | | | | COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING | |
| | | | | SANTA ANA DELHI CHANNEL (F01) | |
| | | | | BOUNDARY AND RIGHT OF WAY ESTABLISHMENT SHEETS | |
| | | | | PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO: 800' WESTERLY OF BIKE BRIDGE OF OVER FO1 CHANNEL. | |
| | 12/30/25 | TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00, LOCATED E'LY FENCE AND CLEANED UP BOUNDARY SHEETS FIXED COURSE L3 ON DETAIL B SHEET 6 ALIGNMENT LABEL UPDATE | 08/25/25 10/22/24 7/24/23 6/29/23 7/12/22 | TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00, LOCATED E'LY FENCE AND CLEANED UP BOUNDARY SHEETS FIXED COURSE L3 ON DETAIL B SHEET 6 ALIGNMENT LABEL UPDATE TEXT UPDATE CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT, CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE ADDED ENCUMBRANCE SHEET 8 | BY: T. LOFGREEN & PARTY BY: H. AFTIM BY: M. KUBISTY BY: T. LOFGREEN & PARTY |
| MARK | DATE | ITEM | MARK | DATE | ITEM |
| REVISIONS | | | | | |
| | | | | SCALE: N.T.S. W.O. #EF16404S FILE #1920PW-IN0016 SANTA ANA DELHI CHANNEL (F01)_BOUNDARY_2020.DWG | SHEET NO. 3 of 26 |

| CURVE TABLE | | | | | | |
|-------------|------------|----------|---------|-----------------|-----------------|---------------|
| CURVE # | DELTA | RADIUS | LENGTH | RECORD DELTA | RECORD RADUIS | RECORD LENGTH |
| C1 | 33°51'12" | 150.00' | 88.63' | (33°52'10" R2) | (150.00' R2) | (88.67' R2) |
| C2 | 27°07'49" | 140.00' | 66.29' | (27°07'58" R2) | (140.00' R2) | (66.30' R2) |
| C3 | 27°25'54" | 219.99' | 105.33' | (27°25'00" R2) | (220.00' R2) | (105.27' R2) |
| C4 | 19°58'54" | 399.99' | 139.50' | (19°58'14" R2) | (400.00' R2) | (139.41' R2) |
| C5 | 18°51'14" | 619.98' | 204.01' | (18°52'00" R2) | (620.00' R2) | (204.16' R2) |
| C6 | 108°37'24" | 165.00' | 312.81' | (108°38'00" R2) | (165.00' R2) | (312.84' R2) |
| C7 | 27°25'54" | 244.99' | 117.30' | (27°25'00" R2) | (245.00' R2) | (117.24' R2) |
| C8 | 27°07'49" | 115.00' | 54.45' | (27°07'58" R2) | (115.00' R2) | (54.46' R2) |
| C9 | 18°45'53" | 919.98' | 301.30' | (18°46'51" R2) | (920.00' R2) | (301.56' R2) |
| C10 | 26°50'37" | 358.99' | 168.19' | (26°50'16" R2) | (358.99' R2) | (168.16' R2) |
| C11 | 52°43'21" | 269.99' | 248.44' | (52°43'55" R2) | (270.00' R2) | (248.49' R2) |
| C13 | 50°58'12" | 189.99' | 169.01' | (24°30'21" R27) | (2060.00' R27) | (289.92' R27) |
| C14 | 8°53'46" | 2109.95' | 327.60' | (50°58'10" R21) | (190.00' R21) | (169.02' R21) |
| C15 | 0°32'25" | 2109.95' | 19.89' | (M&R CR31) | (2110.00' R31) | (M&R CR31) |
| C16 | 0°32'25" | 2079.95' | 19.61' | (M&R CR31) | (2110.00' CR31) | (M&R CR31) |
| C17 | 3°38'46" | 799.98' | 50.91' | (0°32'25" R31) | (2080.00' R31) | (M&R R31) |
| C18 | 0°48'14" | 799.98' | 11.22' | (0°38'50" R27) | (800.00' R27) | (50.93' R27) |
| C19 | 10°15'22" | 499.99' | 89.50' | (00°47'56" R27) | (800.00' R27) | (11.15' R27) |
| C20 | 10°15'22" | 469.99' | 84.13' | (10°15'20" R2) | (500.00' R31) | (89.50' R31) |
| C21 | 18°52'38" | 2079.95' | 685.28' | (M&R CR31) | (470.00' CR31) | (M&R CR31) |

| CURVE TABLE | | | | | | |
|-------------|-----------|----------|---------|-----------------|-----------------|---------------|
| CURVE # | DELTA | RADIUS | LENGTH | RECORD DELTA | RECORD RADUIS | RECORD LENGTH |
| C22 | 27°35'02" | 239.99' | 115.54' | (M&R CR31) | (2080.00' CR31) | (M&R CR31) |
| C23 | 27°34'59" | 299.99' | 144.42' | (27°34'55" R21) | (240.00' R21) | (M&R R21) |
| C24 | 16°38'14" | 329.99' | 95.82' | (M&R R20) | (300.00' R20) | (M&R R20) |
| C25 | 18°11'23" | 718.36' | 228.06' | (16°38'09" R21) | (330.00' R21) | (M&R R21) |
| C26 | 27°25'02" | 277.71' | 132.89' | (18°11'25" R21) | (718.40' R21) | (280.78' R21) |
| C27 | 50°58'12" | 175.99' | 156.56' | (27°24'55" R20) | (277.72' R20) | (M&R R20) |
| C29 | 0°58'18" | 2061.95' | 34.96' | (M&R CR25) | (176.00' CR25) | (M&R CR25) |
| C30 | 2°17'50" | 2061.95' | 82.67' | (00°39'21" R27) | (2062.00' R27) | (23.61' R27) |
| C31 | 18°47'52" | 399.99' | 131.23' | (00°58'18" R27) | (2062.00' R27) | (34.97' R27) |
| C32 | 2°58'42" | 499.99' | 25.99' | (02°17'50" R27) | (2062.00' R27) | (82.66' R27) |
| C33 | 13°48'43" | 499.99' | 120.53' | (18°47'50" R20) | (400.00' R20) | (M&R R20) |

REFERENCES

- (R1) = RECORD OF SURVEY RSB 110/39-42
- (R2) = TRACT NO. 3068, MM 93/9-11
- (R3) = RECORD OF SURVEY RSB 176/45-50
- (R4) = RECORD OF SURVEY RSB 209/31
- (R5) = RECORD OF SURVEY RSB 222/7
- (R6) = PARCEL MAP NO. 82-710, P.M.B. 176/42-43
- (R7) = PARCEL MAP P.M.B. 3/35
- (R8) = RECORD OF SURVEY RSB 172/27
- (R9) = RECORD OF SURVEY RSB 137/24-31
- (R10) = RECORD OF SURVEY RSB 121/37
- (R11) = RECORD OF SURVEY RSB 183/10-17
- (R12) = RECORD OF SURVEY RSB 273/36-44
- (R13) = RECORD PER CERTIFICATE OF CORRECTION RECORDED 04/18/1995, AS INSTRUMENT 1995-00159849 O.R.
- (R14) = RECORD PER CERTIFICATE OF CORRECTION RECORDED 09/03/1996, AS INSTRUMENT 1996-00449461 O.R.
- (R15) = RECORD PER O.C.F.C.D. DRAWING F01-101-8-A
- (R16) = RECORD OF SURVEY RSB 180/17-24
- (R17) = CORNER RECORD , C.R. 2001-0831
- (R18) = CORNER RECORD , C.R. 1999-0423
- (R19) = O.C.S. ALIGNMENT NOTE A/SW/IRV, PG. 2258
- (R20) = EASEMENT AND RIGHT OF WAY TO THE O.C.F.C.D., RECORDED 1/11/1949, IN BOOK 1804 PAGE 432 O.R.
- (R21) = PERPETUAL EASEMENT AND RIGHT OF WAY FOR O.C.F.C.D., RECORDED 11/8/1961, IN BOOK 5906 PAGE 516 O.R.
- (R22) = EXISTING PROPERTY OWNED IN FEE BY THE ORANGE COUNTY, RECORDED 09/04/1997, AS INSTRUMENT 1997-0428866 O.R.
- (R23) = PERPETUAL EASEMENT AND RIGHT OF WAY FOR O.C.F.C.D., RECORDED 01/07/1997, AS INSTRUMENT 1997-0008767 O.R.
- (R24) = RIGHT OF WAY MAP Z99629.
- (R25) = EXISTING PROPERTY OWNED IN FEE BY THE O.C.F.C.D., RECORDED 12/24/1990, AS INSTRUMENT 1990-670389 O.R.
- (R26) = RECORD PER OCS SURVEY FILE NO. 1112PW-FL550005 SURVEY CONTROL SCHEMATIC.
- (R27) = RECORD OF SURVEY RSB 146/2-7
- (R28) = 20' IRREVOCABLY OFFERED TO DEDICATE (NOT YET ACCEPTED), EASEMENT FOR RECREATIONAL PURPOSES TO ORANGE COUNTY HARBORS, BEACHES AND PARKS DISTRICT, RECORDED 06/30/1975, IN BOOK 11446 PAGE 210 O.R.
- (R29) = TRACT NO. 706, MM 21/25
- (R30) = CORNER RECORD, C.R. 2014-1430B
- (R31) = EXISTING NON-EXCLUSIVE EASEMENT FOR PEDESTRIAN AND BICYCLE INGRESS AND EGRESS TO THE STATE OF CALIFORNIA, RECORDED 4/22/1975, IN BOOK 11382 PAGE 1909 O.R.
- (R32) = O.R. 2207/196 RECORDED 07/23/1951
- (R33) = RECORD OF SURVEY RSB 143/2-7
- (R34) = RECORD OF SURVEY RSB 172/27
- (R35) = EXISTING PROPERTY OWNED IN FEE BY THE COUNTY OF ORANGE, RECORDED 11/27/1990, AS INSTRUMENT 90-395556 O.R.
- (R36) = PARCEL MAP NO. 2016-157, P.M.B. 394/37-43
- (R37) = O.R. 2273/175 RECORDED 01/11/1952
- (R38) = EXISTING PROPERTY OWNED IN FEE BY THE ORANGE COUNTY FLOOD CONTROL DISTRICT, BY FINAL ORDER CONDEMNATION, RECORDED 12/15/1978. IN BOOK 11997 PAGE 22 O.R.
- (R39) = O.R. 11382/1898
- (R40) = RECORD PER OCS SURVEY FILE NO. 1112PW-FL550005
- (R41) = RECORD OF SURVEY RSB 137/24-31
- (R42) = RECORD OF SURVEY RSB 105/5
- (R43) = RECORD PER O.C.F.C.D DRAWING F01-701-11A
- (R44) = RECORD PER O.C.F.C.D DRAWING F01-101-8A
- (R45) = CORNER RECORD, C.R. 2013-2668
- (R46) = PARCEL MAP P.M.B. 3/35
- (R47) = TRACK NO. 376 15/29
- (R48) = PARCEL MAP P.M.B 219/20-21
- (R49) = CORNER RECORD, 1999-0423

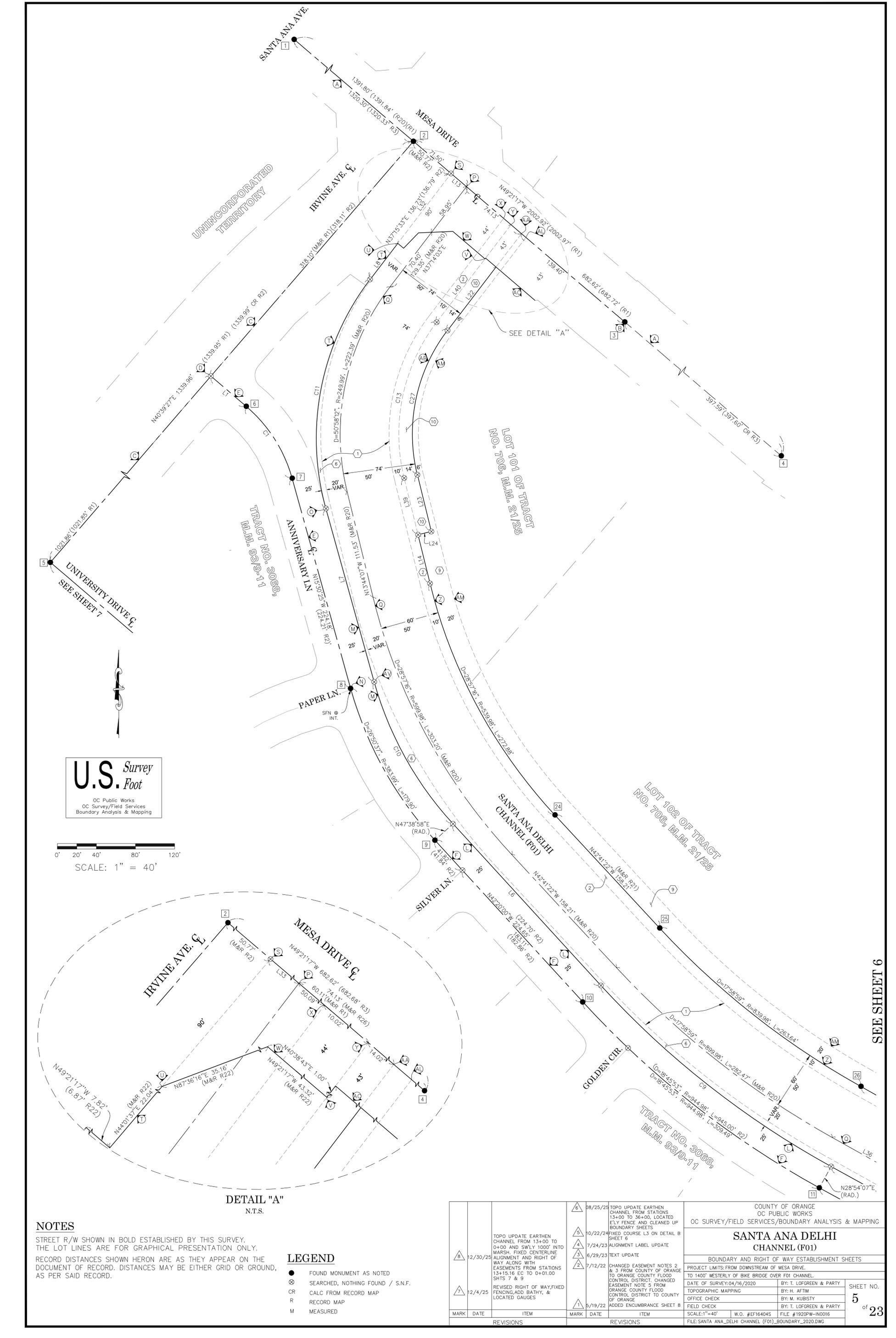
EASEMENT NOTES

- ① EXISTING EASEMENT AND RIGHT OF WAY TO THE ORANGE COUNTY FLOOD CONTROL DISTRICT, RECORDED 1/11/1949, IN BOOK 1804 PAGE 432 O.R. (R20)
- ② EXISTING PERPETUAL EASEMENT AND RIGHT OF WAY FOR FLOOD CONTROL PURPOSES TO THE ORANGE COUNTY FLOOD CONTROL DIRSTRIC, RECORDED 11/8/1961, IN BOOK 5906 PAGE 516 O.R.
- ③ EXISTING PROPERTY OWNED IN FEE BY THE ORANGE COUNTY FLOOD CONTROL DISTRICT, RECORDED 11/27/1990, AS INSTRUMENT 90-395556 O.R
- ④ EXISTING PROPERTY OWNED IN FEE BY THE ORANGE COUNTY FLOOD CONTROL DISTRICT, BY FINAL ORDER CONDEMNATION, RECORDED 12/15/1978. IN BOOK 11997 PAGE 22 O.R.
- ⑤ EXISTING 30' WIDE STRIP OWNED IN FEE BY THE COUNTY OF ORANGE, RECORDED 3/12/1974, IN BOOK 11093 PAGE 1811 O.R.
- ⑥ EXISTING VARIABLE STRIP OWNED IN FEE BY THE ORANGE COUNTY FLOOD CONTROL DISTRICT, RECORDED 11/23/1956, IN BOOK 3721 PAGE 130 O.R
- ⑦ EXISTING PROPERTY OWNED IN FEE BY THE ORANGE COUNTY FLOOD CONTROL DISTRICT, RECORDED 02/15/1961, IN BOOK 5629 PAGE 45 O.R.
- ⑧ EXISTING NON-EXCLUSIVE EASEMENT FOR PEDESTRIAN AND BICYCLE INGRESS AND EGRESS TO THE STATE OF CALIFORNIA, RECORDED 4/22/1975, IN BOOK 11382 PAGE 1909 O.R.
- ⑨ 20' IRREVOCABLY OFFERED TO DEDICATE (NOT YET ACCEPTED), EASEMENT FOR RECREATIONAL PURPOSES TO ORANGE COUNTY HARBORS, BEACHES AND PARKS DISTRICT, RECORDED 6/30/1975, IN BOOK 11446 PAGE 210 O.R.
- ⑩ 14' WIDE STRIP OWNED IN FEE, BY THE ORANGE COUNTY FLOOD CONTROL DISTRICT, RECORDED 12/24/1990, AS INSTRUMENT 90-670389 O.R.
- ⑪ 30' WIDE STRIP EASEMENT AND RIGHT OF WAY TO THE CITY OF NEWPORT BEACH, RECORDED 11/04/1986, AS INSTRUMENT 86-528284 O.R.
- ⑫ 30' WIDE STRIP EASEMENT AND RIGHT OF WAY TO THE CITY OF NEWPORT BEACH, RECORDED 10/20/1986, AS INSTRUMENT 86-494140 O.R.
- ⑬ 10' WIDE STRIP EASEMENT AND RIGHT OF WAY TO THE CITY OF NEWPORT BEACH, RECORDED 04/22/1975, AS INSTRUMENT 11382-1936 O.R.
- ⑭ 50' WIDE STRIP EASEMENT AND RIGHT OF WAY TO THE CITY OF NEWPORT BEACH, RECORDED 06/06/1982, AS INSTRUMENT 82-232549 O.R.
- ⑮ 60' WIDE STRIP EASEMENT FOR DRAINAGE MAINTENANCE, RECORDED 03/12/1929, IN BOOK 246 PAGE 495 O.R. QUITCLAIMED TO IRVINE CO. PER O.R. 1804-432
- ⑯ 60' WIDE STRIP EASEMENT FOR ROAD PURPOSES, RECORDED 03/12/1929, IN BOOK 530 PAGE 128 DDS SHOWN ON MM 21/25 TRACT 706 BEING THE S'LY PROLONGATION OF ACACIA ST. ALSO SHOWN ON RE-SUBDIVISION MAP TRACT 376 MM 15/29
- ⑰ 10' WIDE STRIP EASEMENT FOR PEDESTRIAN AND BICYCLE TRAIL PURPOSES TO THE CITY OF NEWPORT BEACH PER (R6).
- ⑱ 30' WIDE STRIP EASEMENT FOR ROAD & UTILITY PURPOSES PER 2207/196 O.R.
- ⑲ 30' WIDE STRIP EASEMENT FOR ROAD & UTILITY PURPOSES PER 2273/175 O.R.
- ⑳ 10' WIDE STRIP EASEMENT TO SOUTHERN CALF. EDISON 8634/434 O.R.

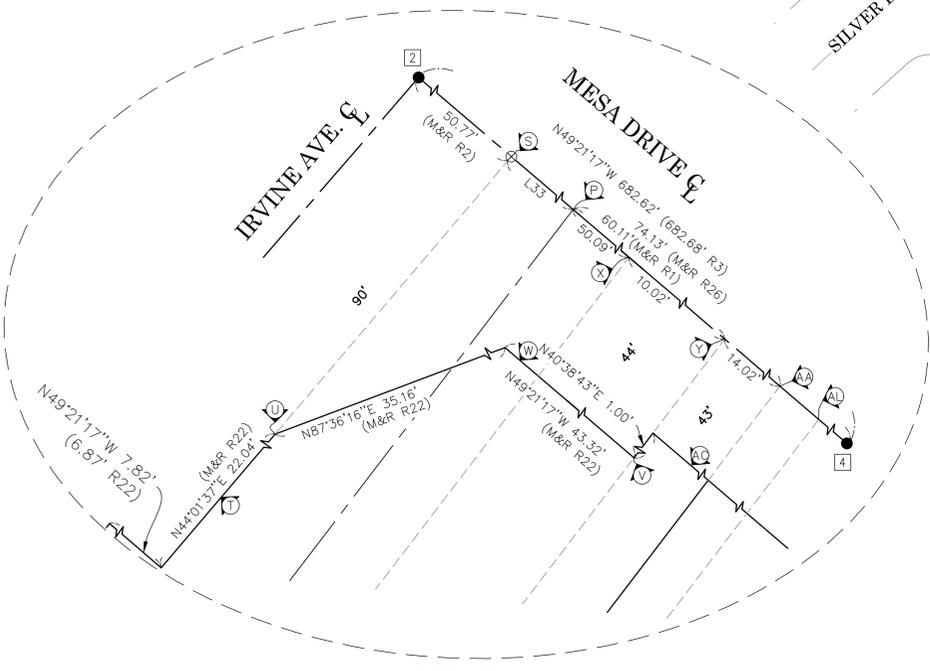
| LINE TABLE | | | |
|------------|-------------|-------------------|-----------------|
| LINE # | BEARING | MEASURED DISTANCE | RECORD DISTANCE |
| L1 | N49°21'37"W | 47.70' | 47.78' (R2) |
| L2 | N46°40'00"E | 8.73' | 8.68' (R2) |
| L3 | N62°51'36"W | 26.55' | 26.46' (R1) |
| L4 | N88°14'26"W | 260.40' | (M&R R2) |
| L5 | N61°05'20"W | 133.18' | 133.20' (R2) |
| L6 | N42°20'00"W | 224.94' | 224.70' (R2) |
| L7 | N15°30'25"W | 184.81' | (M&R R1) |
| L8 | N37°15'33"E | 46.57' | 46.69' (R40) |
| L9 | N11°53'41"W | 1.64' | (1.62' R1) |
| L10 | N85°27'28"E | 81.76' | (M&R R1&R41) |
| L11 | N18°25'45"W | 58.24' | (M&R R1&R41) |
| L12 | N65°59'18"E | 7.62' | (M&R R20) |
| L13 | N49°21'17"W | 20.73' | 20.82' (R1) |
| L14 | N13°44'07"W | 51.53' | (M&R CR21) |
| L16 | N60°40'22"W | 84.33' | (M&R R27) |
| L17 | N40°37'43"E | 130.21' | (M&R R21) |
| L18 | N71°44'48"E | 29.24' | (M&R R31) |
| L21 | N49°21'29"E | 310.27' | (M&R R21) |
| L22 | N37°14'03"E | 81.86' | (M&R R21) |
| L23 | N13°44'07"W | 60.00' | (M&R R21) |

| LINE TABLE | | | |
|------------|-------------|-------------------|-----------------|
| LINE # | BEARING | MEASURED DISTANCE | RECORD DISTANCE |
| L24 | S76°15'53"W | 14.00' | (310.32' R21) |
| L25 | N49°13'59"W | 19.73' | (81.85' R40) |
| L26 | N49°13'59"W | 30.22' | (M&R R25) |
| L27 | N49°13'59"W | 21.84' | (M&R CR25) |
| L28 | N47°09'46"E | 244.33' | (19.71' R27) |
| L30 | N57°25'06"E | 226.30' | (M&R R27) |
| L31 | N57°25'06"E | 191.88' | (21.91' R27) |
| L32 | S37°15'33"W | 90.16' | (244.34' R31) |
| L33 | S29°23'00"W | 56.02' | (244.34' CR31) |
| L34 | S13°11'06"W | 24.03' | (M&R CR31) |
| L35 | S13°11'06"W | 43.97' | (M&R CR31) |
| L36 | N60°40'22"W | 84.33' | (M&R R40) |
| L38 | N49°21'48"E | 57.13' | (M&R R38) |
| L39 | N13°44'07"W | 60.00' | (M&R CR38) |
| L40 | N37°14'03"E | 125.77' | (M&R CR38) |

| | | | | | | |
|---------------------|---|--|--|---|------|------------------------------------|
| 12/30/25 12/4/25 | TOPO UPDATE EARTHEN CHANNEL FROM 13+00 TO 0+00 AND SW'LY 1000' INTO MARSH. FIXED CENTERLINE ALIGNMENT AND RIGHT OF WAY ALONG WITH EASEMENTS FROM STATIONS 13+15.16 EC TO 0+01.00 SITS 7 & 9 REVISED RIGHT OF WAY, FIXED FENCING, ADD BATHY. & LOCATED GAUGES | 08/25/25 10/22/24 7/24/23 6/29/23 7/12/22 5/19/22 | TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00. LOCATED ELY FENCE AND CLEANED UP BOUNDARY SHEETS FIXED COURSE L3 ON DETAIL B SHEET 6 ALIGNMENT LABEL UPDATE TEXT UPDATE CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT. CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE ADDED ENCUMBRANCE SHEET 8 | COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING | | |
| | | | | SANTA ANA DELHI CHANNEL (F01) BOUNDARY AND RIGHT OF WAY ESTABLISHMENT SHEETS PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE. TO: 800' WESTERLY OF BIKE BRIDGE OF OVER FOI CHANNEL. | | |
| MARK | DATE | ITEM | MARK | DATE | ITEM | SHEET NO. 4 of 26 |
| REVISIONS | | | REVISIONS | | | |



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



DETAIL "A"
 N.T.S.

NOTES

STREET R/W SHOWN IN BOLD ESTABLISHED BY THIS SURVEY. THE LOT LINES ARE FOR GRAPHICAL PRESENTATION 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.

LEGEND

- FOUND MONUMENT AS NOTED
- ⊗ SEARCHED, NOTHING FOUND / S.N.F.
- CR CALC FROM RECORD MAP
- R RECORD MAP
- M MEASURED

| MARK | DATE | ITEM | MARK | DATE | ITEM |
|------|----------|--|------|----------|--|
| △ | 08/25/25 | TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00, LOCATED ELY FENCE AND CLEANED UP BOUNDARY SHEETS | △ | 08/25/25 | TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00, LOCATED ELY FENCE AND CLEANED UP BOUNDARY SHEETS |
| △ | 10/22/24 | FIXED COURSE L3 ON DETAIL B SHEET 6 | △ | 10/22/24 | FIXED COURSE L3 ON DETAIL B SHEET 6 |
| △ | 7/24/23 | ALIGNMENT LABEL UPDATE | △ | 7/24/23 | ALIGNMENT LABEL UPDATE |
| △ | 6/29/23 | TEXT UPDATE | △ | 6/29/23 | TEXT UPDATE |
| △ | 7/12/22 | CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT; CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE | △ | 7/12/22 | CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT; CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE |
| △ | 5/19/22 | ADDED ENCUMBRANCE SHEET B | △ | 5/19/22 | ADDED ENCUMBRANCE SHEET B |
| △ | 12/30/25 | TOPO UPDATE EARTHEN CHANNEL FROM 13+00 INTO 0+00 AND SWLY 1000' INTO MARSH; FIXED CENTERLINE ALIGNMENT AND RIGHT OF WAY ALONG WITH EASEMENTS FROM STATIONS 13+15.16 EC TO 0+01.00 SHTS 7 & 9 | △ | 12/30/25 | TOPO UPDATE EARTHEN CHANNEL FROM 13+00 INTO 0+00 AND SWLY 1000' INTO MARSH; FIXED CENTERLINE ALIGNMENT AND RIGHT OF WAY ALONG WITH EASEMENTS FROM STATIONS 13+15.16 EC TO 0+01.00 SHTS 7 & 9 |
| △ | 12/4/25 | REVISED RIGHT OF WAY, FIXED FENCING, ADD BATHY, & LOCATED GAUGES | △ | 12/4/25 | REVISED RIGHT OF WAY, FIXED FENCING, ADD BATHY, & LOCATED GAUGES |

| | |
|--|-------------------------|
| COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING | |
| SANTA ANA DELHI CHANNEL (F01) | |
| BOUNDARY AND RIGHT OF WAY ESTABLISHMENT SHEETS | |
| PROJECT LIMITS: FROM DOWNSTREAM OF BIKE BRIDGE OVER F01 CHANNEL TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL. | |
| DATE OF SURVEY: 04/16/2020 | BY: T. LOFGREEN & PARTY |
| TOPOGRAPHIC MAPPING | BY: H. AFTIM |
| OFFICE CHECK | BY: M. KUBISTY |
| FIELD CHECK | BY: T. LOFGREEN & PARTY |
| SCALE: 1"=40' | W.O. #EF16404S |
| FILE: SANTA ANA_DELHI_CHANNEL (F01)_BOUNDARY_2020.DWG | FILE #1920PW-IN0016 |

SEE SHEET 6

SEE SHEET 5

SEE SHEET 7

PORTION OF LOT 103 OF TRACT NO. 706, M.M. 21/25

DETAIL C
N.T.S.

SANTA ANA DELHI CHANNEL (F01)

ANNIVERSARY LN

TRACT NO. 3068, M.M. 93/9-11

PORTION OF LOT 103 OF TRACT NO. 706, M.M. 21/25

DETAIL B
N.T.S.

TRACT NO. 3068, M.M. 93/9-11

ANNIVERSARY LN

SANTA ANA DELHI CHANNEL (F01)



SCALE: 1" = 40'

NOTES

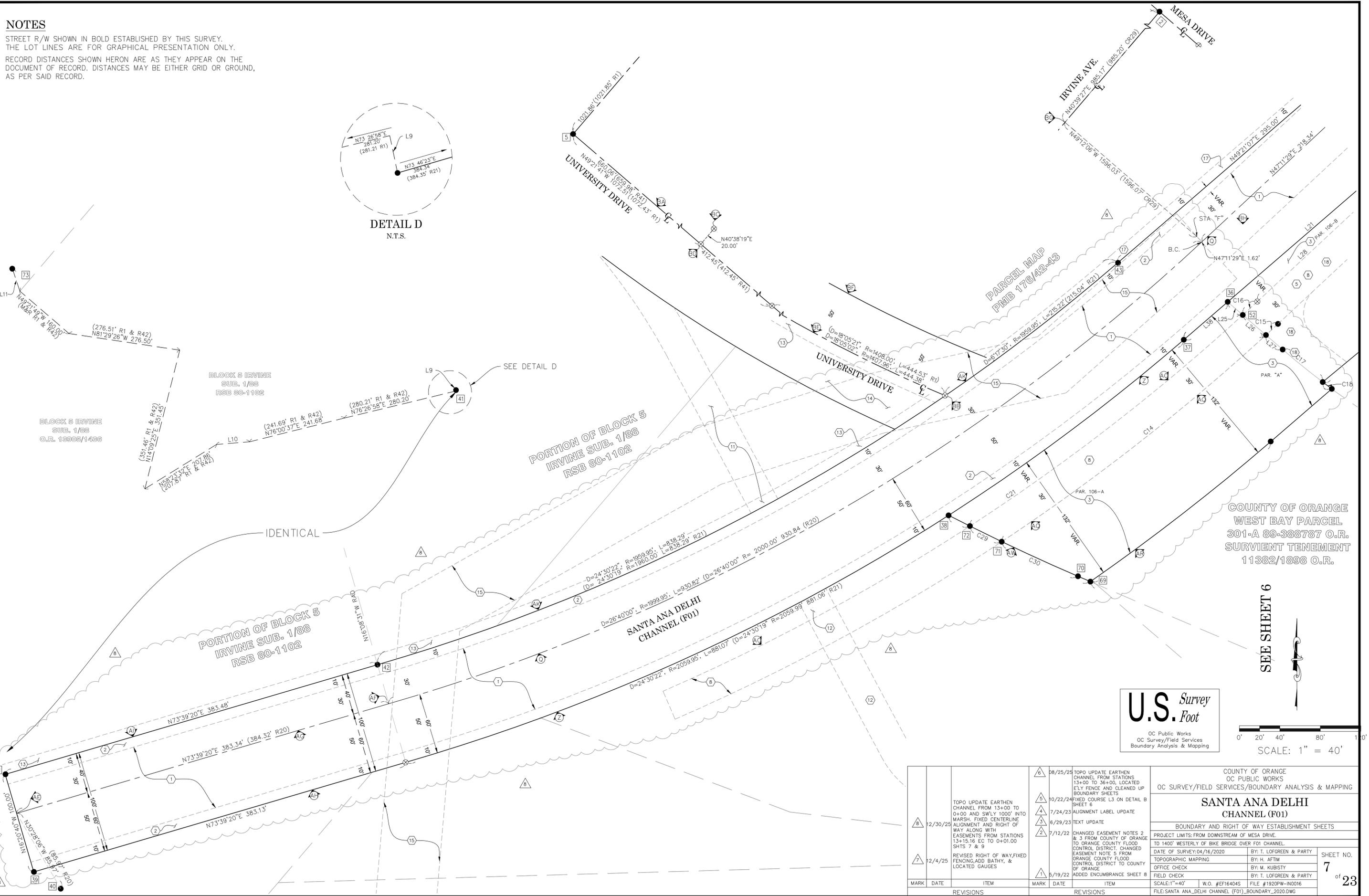
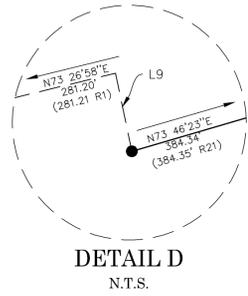
STREET R/W SHOWN IN BOLD ESTABLISHED BY THIS SURVEY. THE LOT LINES ARE FOR GRAPHICAL PRESENTATION ONLY. RECORD DISTANCES SHOWN HERON ARE AS THEY APPEAR ON THE DOCUMENT OF RECORD. DISTANCES MAY BE EITHER GRID OR GROUND, AS PER SAID RECORD.

COUNTY OF ORANGE
WEST BAY PARCEL
301-A 89-388787 O.R.
SURVIENT TENEMENT
11382/1898 O.R.

| REVISIONS | | REVISIONS | | COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING | |
|-----------|----------|-----------|----------|---|-------------------------|
| MARK | DATE | MARK | DATE | SANTA ANA DELHI CHANNEL (F01) | |
| △ | 12/30/25 | △ | 08/25/25 | BOUNDARY AND RIGHT OF WAY ESTABLISHMENT SHEETS | |
| △ | 12/4/25 | △ | 10/22/24 | PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL | |
| | | △ | 7/24/23 | DATE OF SURVEY: 04/16/2020 | BY: T. LOFGREEN & PARTY |
| | | △ | 6/29/23 | TOPOGRAPHIC MAPPING | BY: H. AFTIM |
| | | △ | 7/12/22 | OFFICE CHECK | BY: M. KUBISTY |
| | | △ | 5/19/22 | FIELD CHECK | BY: T. LOFGREEN & PARTY |
| | | | | SCALE: 1"=40' | W.O. #EF164045 |
| | | | | FILE: SANTA ANA_DELHI_CHANNEL (F01)_BOUNDARY_2020.DWG | FILE #1920PW-IN0016 |

NOTES

STREET R/W SHOWN IN BOLD ESTABLISHED BY THIS SURVEY.
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COUNTY OF ORANGE
 WEST BAY PARCEL
 301-A 89-388787 O.R.
 SURVIENT TENEMENT
 11382/1898 O.R.

SEE SHEET 6



| REVISIONS | | REVISIONS | |
|-----------|----------|-----------|----------|
| MARK | DATE | MARK | DATE |
| Δ | 12/30/25 | Δ | 08/25/25 |
| Δ | 12/4/25 | Δ | 10/22/24 |
| | | Δ | 7/24/23 |
| | | Δ | 6/29/23 |
| | | Δ | 7/12/22 |
| | | Δ | 5/19/22 |

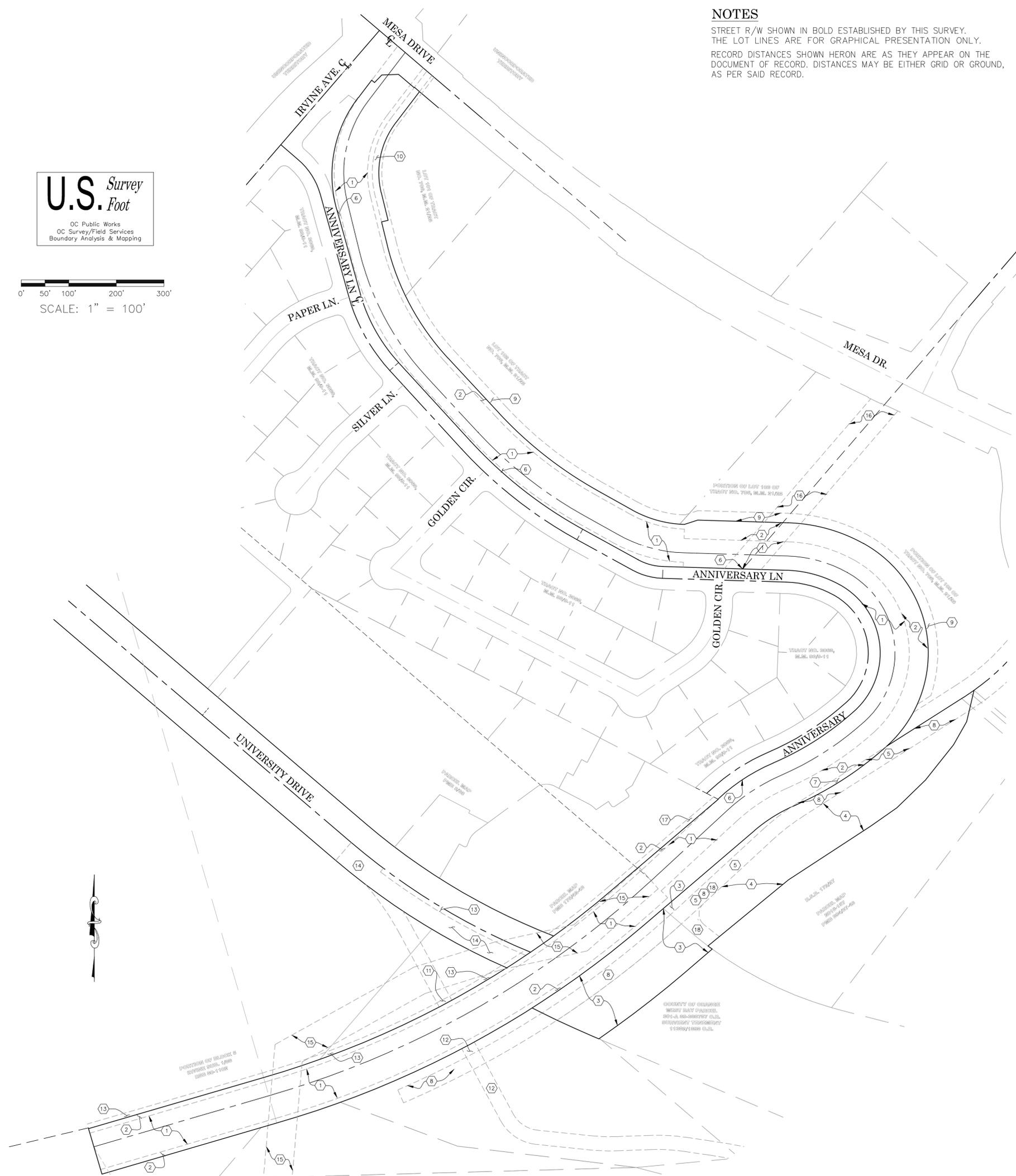
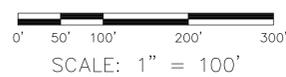
| | |
|---|--|
| TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00, LOCATED INTO MARSH. FIXED CENTERLINE ALIGNMENT AND RIGHT OF WAY ALONG WITH EASEMENTS FROM STATIONS 13+15.16 EC TO 0+01.00 SHITS 7 & 9 REVISED RIGHT OF WAY, FIXED FENCING, ADD BATHY, & LOCATED GAUGES | TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00, LOCATED INTO MARSH. FIXED CENTERLINE ALIGNMENT AND CLEANED UP BOUNDARY SHEETS ALIGNMENT LABEL UPDATE TEXT UPDATE CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT. CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE ADDED ENCUMBRANCE SHEET B |
|---|--|

| | |
|---|---|
| COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING | |
| SANTA ANA DELHI CHANNEL (F01) | |
| BOUNDARY AND RIGHT OF WAY ESTABLISHMENT SHEETS | |
| PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE, TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL | |
| DATE OF SURVEY: 04/16/2020 TOPOGRAPHIC MAPPING OFFICE CHECK FIELD CHECK SCALE: 1"=40' | BY: T. LOFGREEN & PARTY BY: H. AFTIM BY: M. KUBISTY BY: T. LOFGREEN & PARTY FILE #1920PW-IND016 FILE #EF16404S |
| SHEET NO. 7 of 23 | |

NOTES

STREET R/W SHOWN IN BOLD ESTABLISHED BY THIS SURVEY. THE LOT LINES ARE FOR GRAPHICAL PRESENTATION ONLY. RECORD DISTANCES SHOWN HERON ARE AS THEY APPEAR ON THE DOCUMENT OF RECORD. DISTANCES MAY BE EITHER GRID OR GROUND, AS PER SAID RECORD.

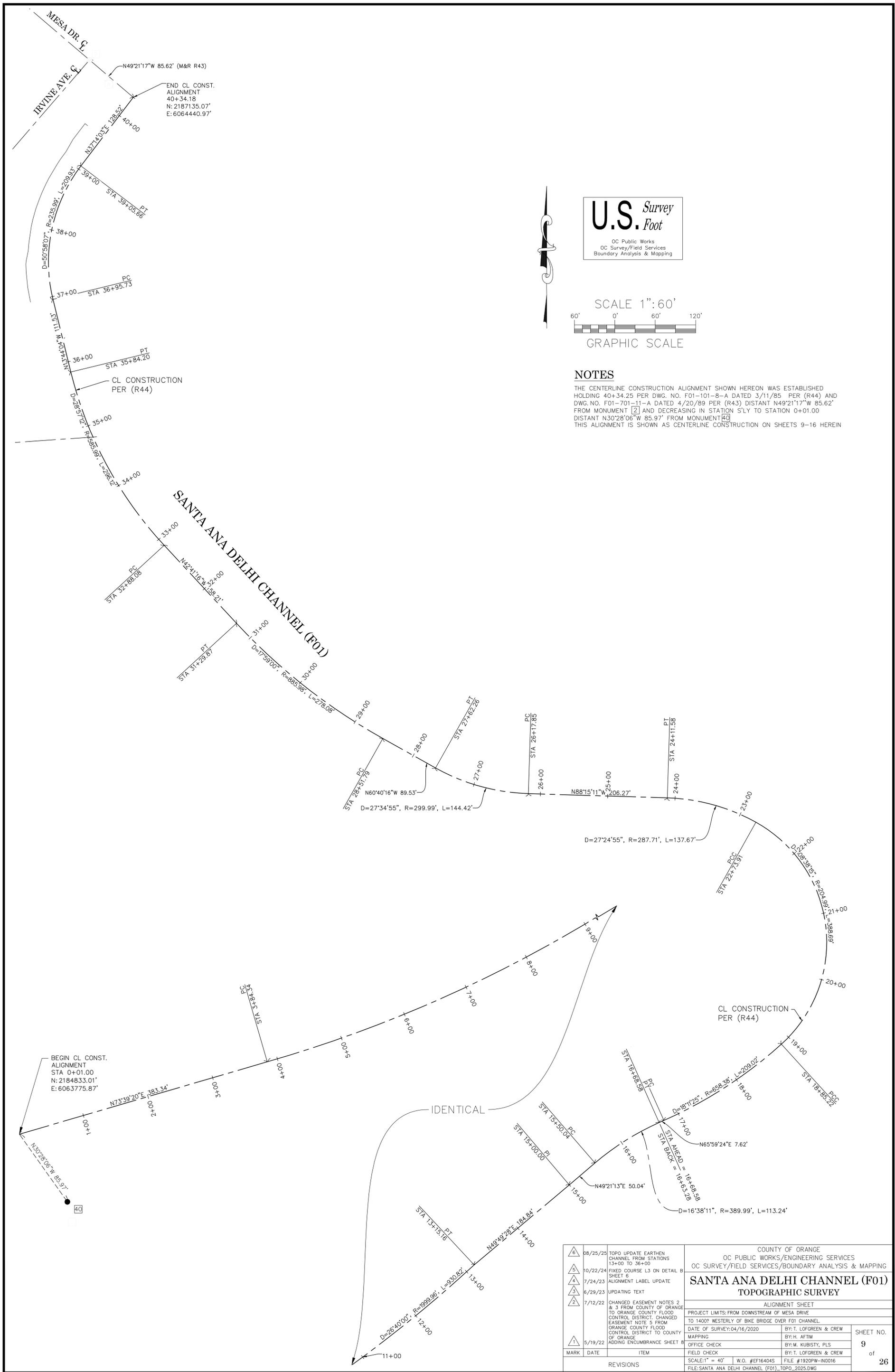
U.S. Survey
 OC Public Works
 OC Survey/Field Services
 Boundary Analysis & Mapping



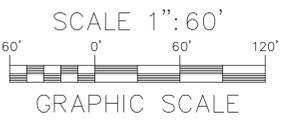
EASEMENT, RIGHT OF WAY, AND FEE NOTES

- ① EXISTING EASEMENT AND RIGHT OF WAY TO THE ORANGE COUNTY FLOOD CONTROL DISTRICT, RECORDED 1/11/1949, IN BOOK 1804 PAGE 432 O.R. (R20)
- ② EXISTING PERPETUAL EASEMENT AND RIGHT OF WAY FOR FLOOD CONTROL PURPOSES TO THE ORANGE COUNTY FLOOD CONTROL DISTRICT, RECORDED 11/8/1961, IN BOOK 5906 PAGE 516 O.R.
- ③ EXISTING PROPERTY OWNED IN FEE BY THE ORANGE COUNTY FLOOD CONTROL DISTRICT, RECORDED 11/27/1990, AS INSTRUMENT 90-395556 O.R.
- ④ EXISTING PROPERTY OWNED IN FEE BY THE ORANGE COUNTY FLOOD CONTROL DISTRICT, BY FINAL ORDER CONDEMNATION, RECORDED 12/15/1978, IN BOOK 11997 PAGE 22 O.R.
- ⑤ EXISTING 30' WIDE STRIP OWNED IN FEE BY THE COUNTY OF ORANGE, RECORDED 3/12/1974, IN BOOK 11093 PAGE 1811 O.R.
- ⑥ EXISTING VARIABLE STRIP OWNED IN FEE BY THE ORANGE COUNTY FLOOD CONTROL DISTRICT, RECORDED 11/23/1956, IN BOOK 3721 PAGE 130 O.R.
- ⑦ EXISTING PROPERTY OWNED IN FEE BY THE ORANGE COUNTY FLOOD CONTROL DISTRICT, RECORDED 02/15/1961, IN BOOK 5629 PAGE 45 O.R.
- ⑧ EXISTING NON-EXCLUSIVE EASEMENT FOR PEDESTRIAN AND BICYCLE INGRESS AND EGRESS TO THE STATE OF CALIFORNIA, RECORDED 4/22/1975, IN BOOK 11382 PAGE 1909 O.R.
- ⑨ 20' IRREVOCABLY OFFERED TO DEDICATE (NOT YET ACCEPTED), EASEMENT FOR RECREATIONAL PURPOSES TO ORANGE COUNTY HARBORS, BEACHES AND PARKS DISTRICT, RECORDED 6/30/1975, IN BOOK 11446 PAGE 210 O.R.
- ⑩ 14' WIDE STRIP OWNED IN FEE, BY THE ORANGE COUNTY FLOOD CONTROL DISTRICT, RECORDED 12/24/1990, AS INSTRUMENT 90-670389 O.R.
- ⑪ 30' WIDE STRIP EASEMENT AND RIGHT OF WAY TO THE CITY OF NEWPORT BEACH, RECORDED 11/04/1986, AS INSTRUMENT 86-528284 O.R.
- ⑫ 30' WIDE STRIP EASEMENT AND RIGHT OF WAY TO THE CITY OF NEWPORT BEACH, RECORDED 10/20/1986, AS INSTRUMENT 86-494140 O.R.
- ⑬ 10' WIDE STRIP EASEMENT AND RIGHT OF WAY TO THE CITY OF NEWPORT BEACH, RECORDED 04/22/1975, AS INSTRUMENT 11382-1936 O.R.
- ⑭ 50' WIDE STRIP EASEMENT AND RIGHT OF WAY TO THE CITY OF NEWPORT BEACH, RECORDED 06/06/1982, AS INSTRUMENT 82-232549 O.R.
- ⑮ 60' WIDE STRIP EASEMENT FOR DRAINAGE MAINTENANCE, RECORDED 03/12/1929, IN BOOK 246 PAGE 495 O.R. QUITCLAIMED TO IRVINE CO. PER O.R. 1804-432
- ⑯ 60' WIDE STRIP EASEMENT FOR ROAD PURPOSES, RECORDED 03/12/1929, IN BOOK 530 PAGE 128 DDS.
- ⑰ 10' WIDE STRIP EASEMENT FOR PEDESTRIAN AND BICYCLE TRAIL PURPOSES TO THE CITY OF NEWPORT BEACH PER (R6).
- ⑱ 30' WIDE STRIP EASEMENT FOR ROAD & UTILITY PURPOSES PER 2207/196 O.R.
- ⑳ 30' WIDE STRIP EASEMENT FOR ROAD & UTILITY PURPOSES PER 2273/175 O.R.
- ㉑ 10' WIDE STRIP EASEMENT TO SOUTHERN CALF. EDISON 8634/434 O.R.

| | | | | | | | |
|---|--|---------------------|--|--|---|---|--|
| TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 0+00 AND SWLY 1000' INTO MARSH. FIXED CENTERLINE ALIGNMENT AND RIGHT OF WAY ALONG WITH EASEMENTS FROM STATIONS 13+15.16 EC TO 0+01.00 SHTS 7 & 9 REVISED RIGHT OF WAY, FIXED FENCING, ADD BATHY. & LOCATED GAUGES | | 12/30/25 12/4/25 | 08/25/25 10/22/24 7/24/23 6/29/23 7/12/22 5/19/22 | TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00, LOCATED ELY FENCE AND CLEANED UP BOUNDARY SHEETS FIXED COURSE L3 ON DETAIL B SHEET 6 ALIGNMENT LABEL UPDATE TEXT UPDATE CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT. CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE ADDED ENCUMBRANCE SHEET B | COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING SANTA ANA DELHI CHANNEL (F01) BOUNDARY AND RIGHT OF WAY ESTABLISHMENT SHEETS PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL. DATE OF SURVEY: 04/16/2020 TOPOGRAPHIC MAPPING OFFICE CHECK FIELD CHECK SCALE: 1"=40' W.O. #EF16404S FILE: SANTA ANA_DELHI_CHANNEL (F01)_BOUNDARY_2020.DWG | BY: T. LOFGREEN & PARTY BY: H. AFTIM BY: M. KUBISTY BY: T. LOFGREEN & PARTY FILE #1920PW-IND016 | SHEET NO. 8 of 23 |
|---|--|---------------------|--|--|---|---|--|



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



NOTES
 THE CENTERLINE CONSTRUCTION ALIGNMENT SHOWN HEREON WAS ESTABLISHED HOLDING 40+34.25 PER DWG. NO. F01-101-8-A DATED 3/11/85 PER (R44) AND DWG. NO. F01-701-11-A DATED 4/20/89 PER (R43) DISTANT N49°21'17"W 85.62' FROM MONUMENT [2] AND DECREASING IN STATION S'LY TO STATION 0+01.00 DISTANT N30°28'06"W 85.97' FROM MONUMENT [4]. THIS ALIGNMENT IS SHOWN AS CENTERLINE CONSTRUCTION ON SHEETS 9-16 HEREIN

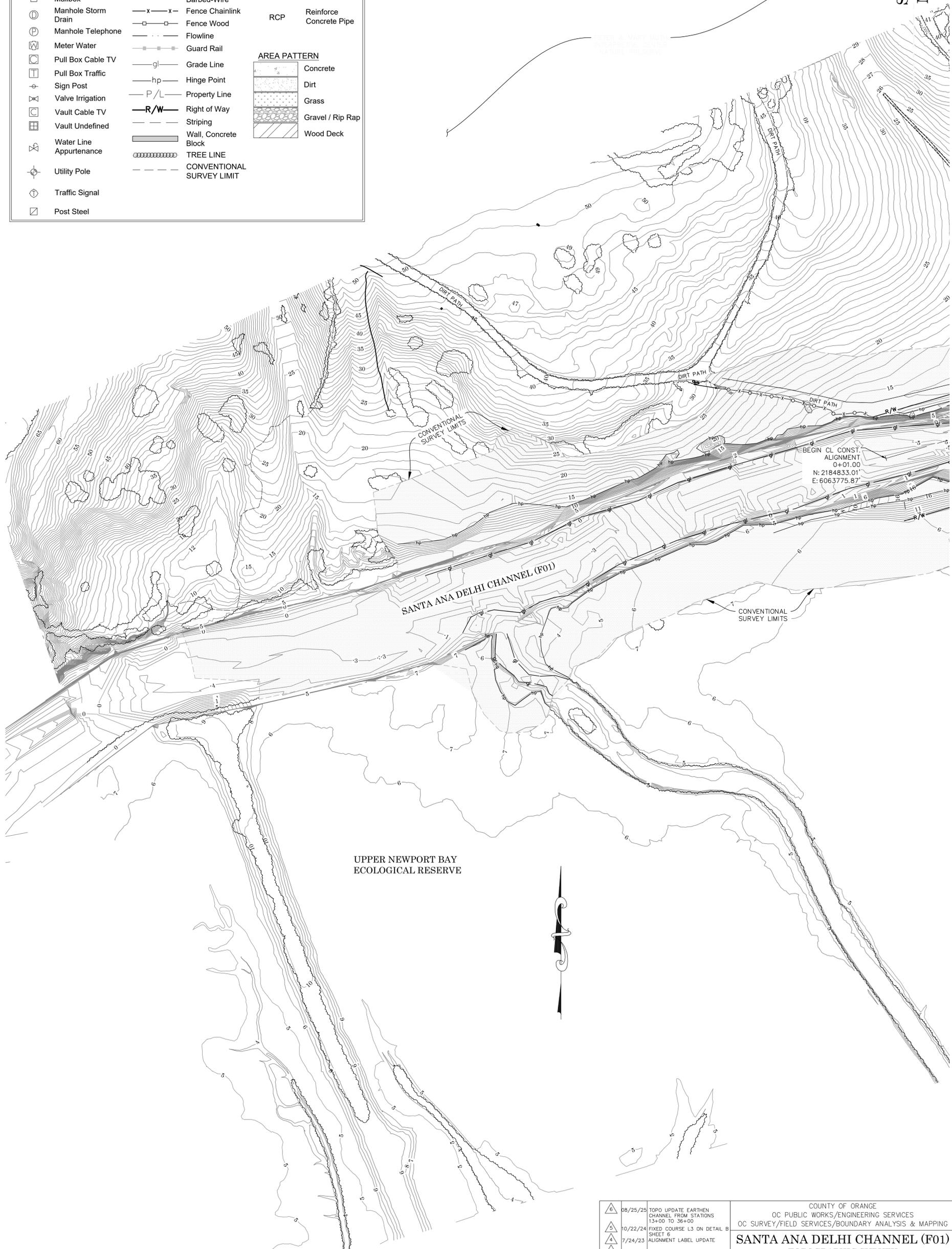
| | | | |
|--|--|---|--|
| 08/25/25 TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 10/22/24 FIXED COURSE L3 ON DETAIL B SHEET 6 7/24/23 ALIGNMENT LABEL UPDATE 6/29/23 UPDATING TEXT 7/12/22 CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT. CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE. ADDING ENCUMBRANCE SHEET 8 5/19/22 | | COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY ALIGNMENT SHEET PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL DATE OF SURVEY: 04/16/2020 MAPPING OFFICE CHECK FIELD CHECK SCALE: 1" = 40' FILE: #EF164045 FILE #1920PW-IN0016 FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2025.DWG | |
| BY: T. LOFGREEN & CREW BY: H. AFTIM BY: M. KUBISTY, PLS BY: T. LOFGREEN & CREW | | SHEET NO. 9 of 26 | |

LEGEND

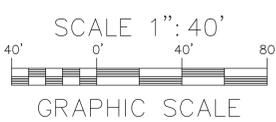
| SYMBOL | LINE PATTERN | ABBREVIATION |
|--------|--------------|-----------------------------|
| | | AC Asphalt Concrete |
| | | CL Centerline |
| | | CONC. Concrete |
| | | CP Control Point |
| | | CMP Corrugated Metal Pipe |
| | | RCP Reinforce Concrete Pipe |
| | | |
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| AREA PATTERN | ABBREVIATION |
|--------------|------------------|
| | Concrete |
| | Dirt |
| | Grass |
| | Gravel / Rip Rap |
| | Wood Deck |

SEE SHEET 11
MATCH LINE



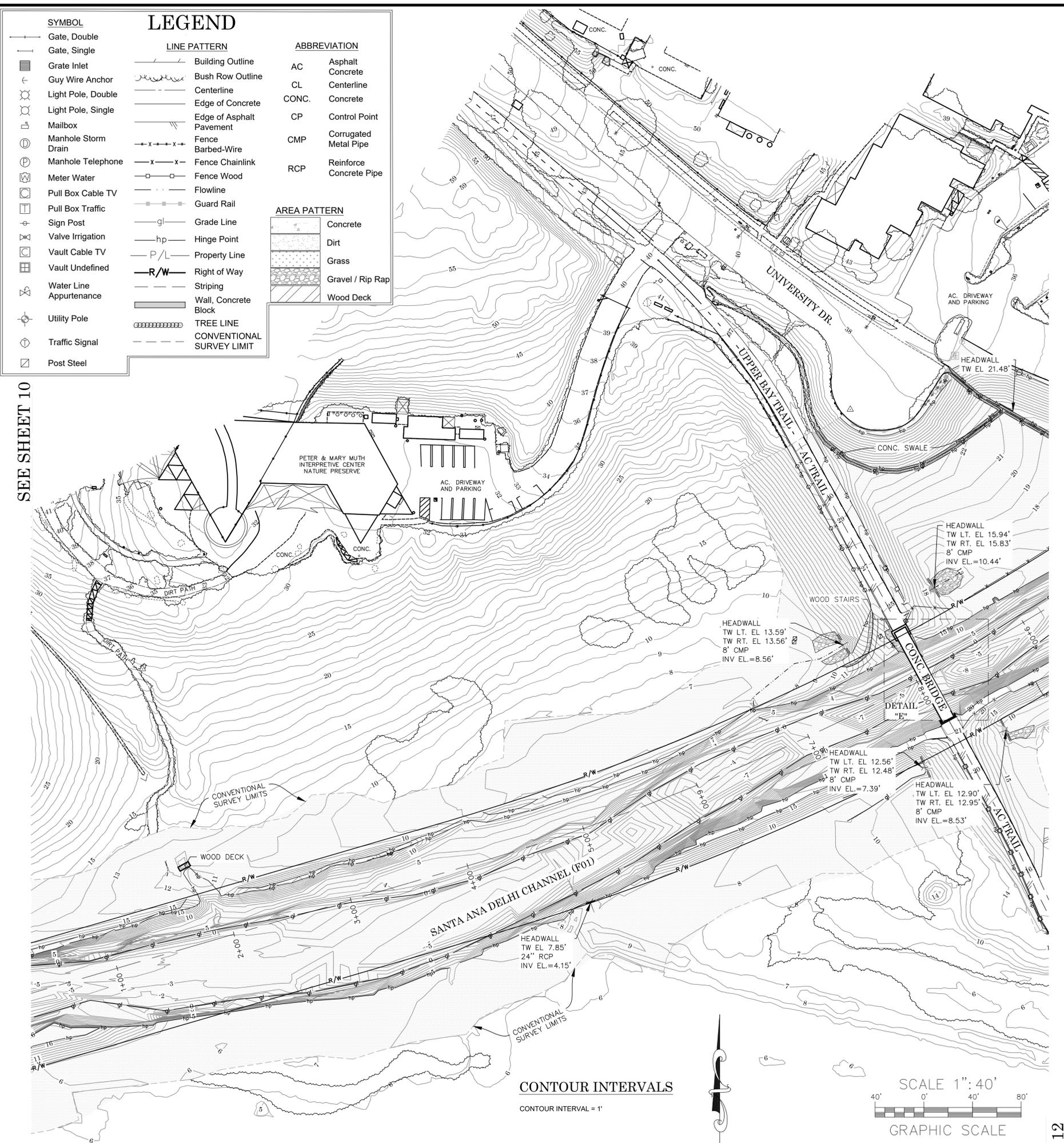
UPPER NEWPORT BAY
ECOLOGICAL RESERVE



CONTOUR INTERVALS
CONTOUR INTERVAL = 1'



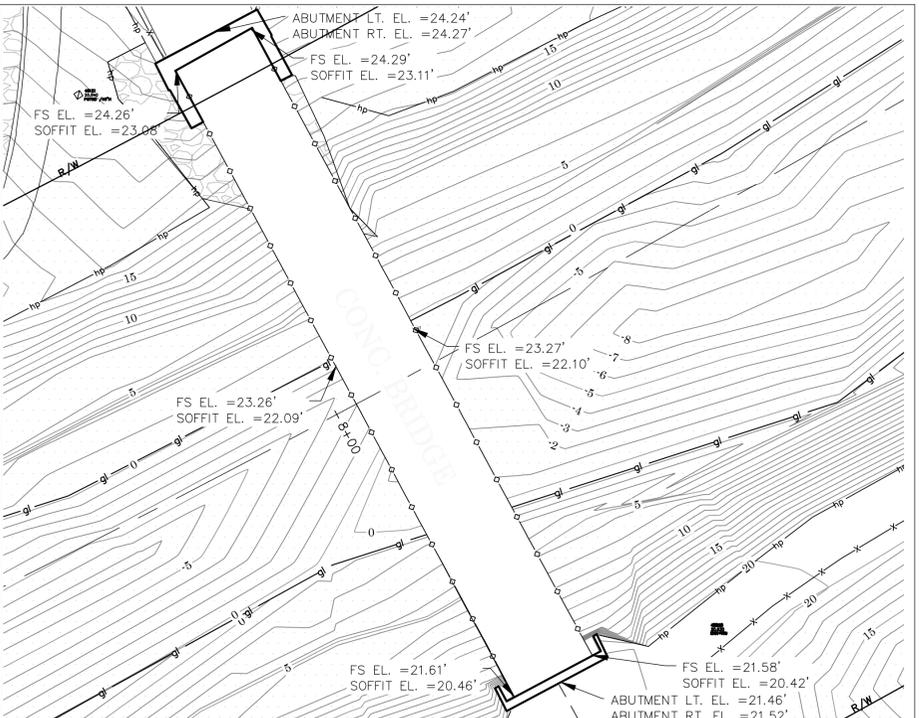
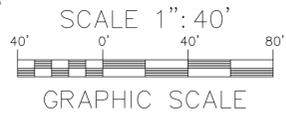
| REVISIONS | | COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING | |
|-----------|----------|---|--|
| 6 | 08/25/25 | TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 | SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY TOPOGRAPHIC MAP PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL DATE OF SURVEY: 04/16/2020 SCALE: 1" = 40' W.O. #EF164045 FILE: #1920PW-IN0016 FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2025.DWG |
| 5 | 10/22/24 | FIXED COURSE L3 ON DETAIL B SHEET 6 | |
| 4 | 7/24/23 | ALIGNMENT LABEL UPDATE | |
| 3 | 6/29/23 | UPDATING TEXT | |
| 2 | 7/12/22 | CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT. CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE. ADDING ENCUMBRANCE SHEET 8 | |
| 1 | 5/19/22 | | BY: T. LOFGREEN & CREW BY: H. AFTIM BY: M. KUBISTY, PLS BY: T. LOFGREEN & CREW |



SEE SHEET 10

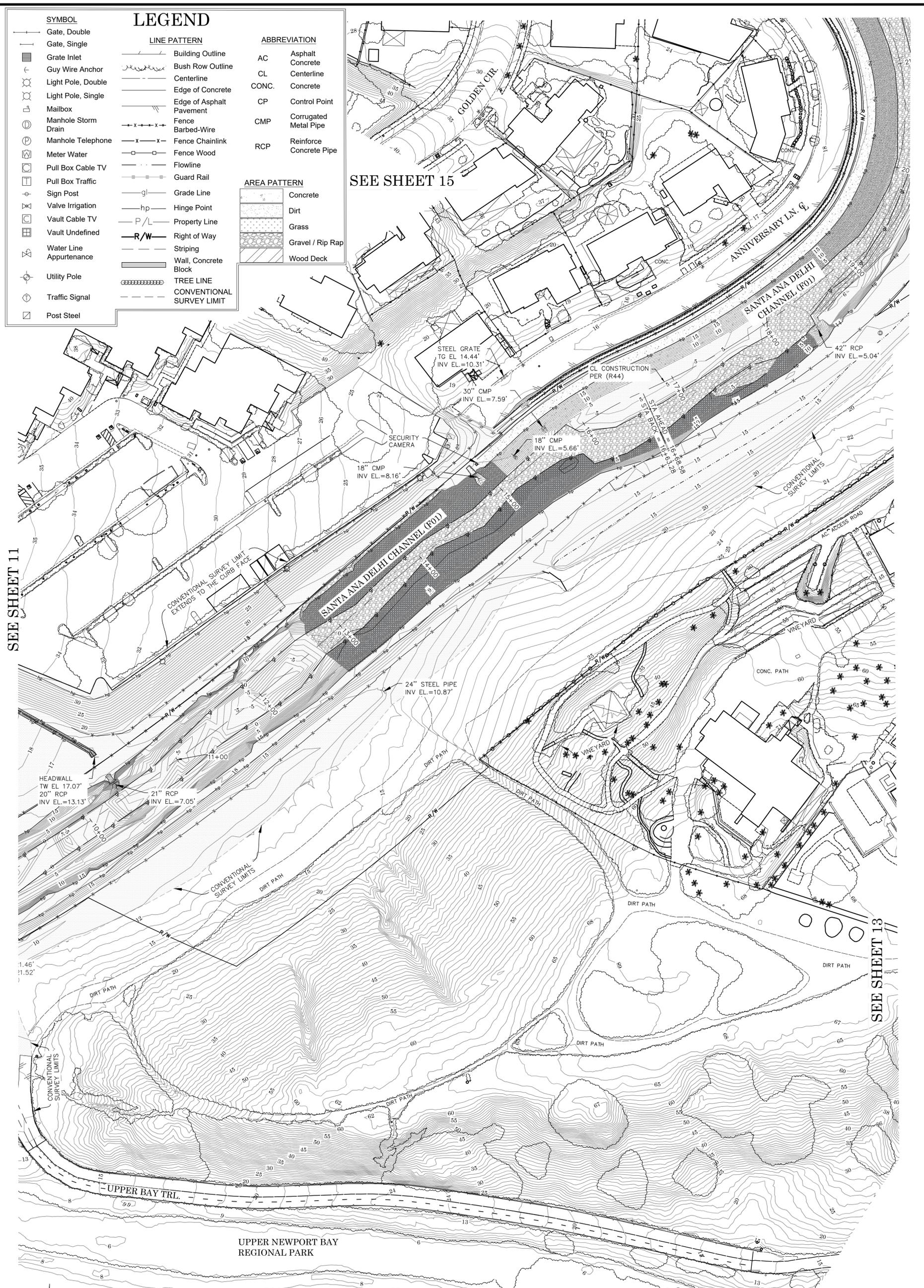
SEE SHEET 12

CONTOUR INTERVALS
CONTOUR INTERVAL = 1'



| REVISIONS | | COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING | |
|-----------|----------|---|--|
| 6 | 08/25/25 | TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 | |
| 5 | 10/22/24 | FIXED COURSE L3 ON DETAIL B SHEET 6 ALIGNMENT LABEL UPDATE | |
| 4 | 7/24/23 | ALIGNMENT LABEL UPDATE | |
| 3 | 6/29/23 | UPDATING TEXT | |
| 2 | 7/12/22 | CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT. CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE. ADDING ENCUMBRANCE SHEET 8 | |
| 1 | 5/19/22 | OFFICE CHECK | |

| SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY | |
|---|---|
| PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL | DATE OF SURVEY: 04/16/2020 |
| BY: T. LOFGREEN & CREW | BY: H. AFTIM |
| BY: M. KUBISTY, PLS | BY: T. LOFGREEN & CREW |
| SCALE: 1" = 40' | W.O. #EF164045 |
| FILE: #1920PW-IND016 | FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2025.DWG |



SEE SHEET 11

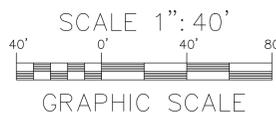
SEE SHEET 13

SEE SHEET 15

| SYMBOL | | LEGEND | |
|----------|-------------------------|----------------|---------------------------|
| [Symbol] | Gate, Double | [Line Pattern] | Building Outline |
| [Symbol] | Gate, Single | [Line Pattern] | Bush Row Outline |
| [Symbol] | Grate Inlet | [Line Pattern] | Centerline |
| [Symbol] | Guy Wire Anchor | [Line Pattern] | Edge of Concrete |
| [Symbol] | Light Pole, Double | [Line Pattern] | Edge of Asphalt Pavement |
| [Symbol] | Light Pole, Single | [Line Pattern] | Fence |
| [Symbol] | Mailbox | [Line Pattern] | Fence Barbed-Wire |
| [Symbol] | Manhole Storm Drain | [Line Pattern] | Fence Chainlink |
| [Symbol] | Manhole Telephone | [Line Pattern] | Fence Wood |
| [Symbol] | Meter Water | [Line Pattern] | Flowline |
| [Symbol] | Pull Box Cable TV | [Line Pattern] | Guard Rail |
| [Symbol] | Pull Box Traffic | [Line Pattern] | Grade Line |
| [Symbol] | Sign Post | [Line Pattern] | Hinge Point |
| [Symbol] | Valve Irrigation | [Line Pattern] | Property Line |
| [Symbol] | Vault Cable TV | [Line Pattern] | Right of Way |
| [Symbol] | Vault Undefined | [Line Pattern] | Striping |
| [Symbol] | Water Line Appurtenance | [Line Pattern] | Wall, Concrete Block |
| [Symbol] | Utility Pole | [Area Pattern] | Concrete |
| [Symbol] | Traffic Signal | [Area Pattern] | Dirt |
| [Symbol] | Post Steel | [Area Pattern] | Grass |
| | | [Area Pattern] | Gravel / Rip Rap |
| | | [Area Pattern] | Wood Deck |
| | | [Line Pattern] | TREE LINE |
| | | [Line Pattern] | CONVENTIONAL SURVEY LIMIT |

SEE SHEET 11

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



CONTOUR INTERVALS
 CONTOUR INTERVAL = 1'

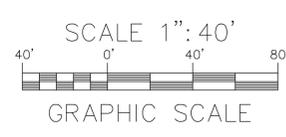
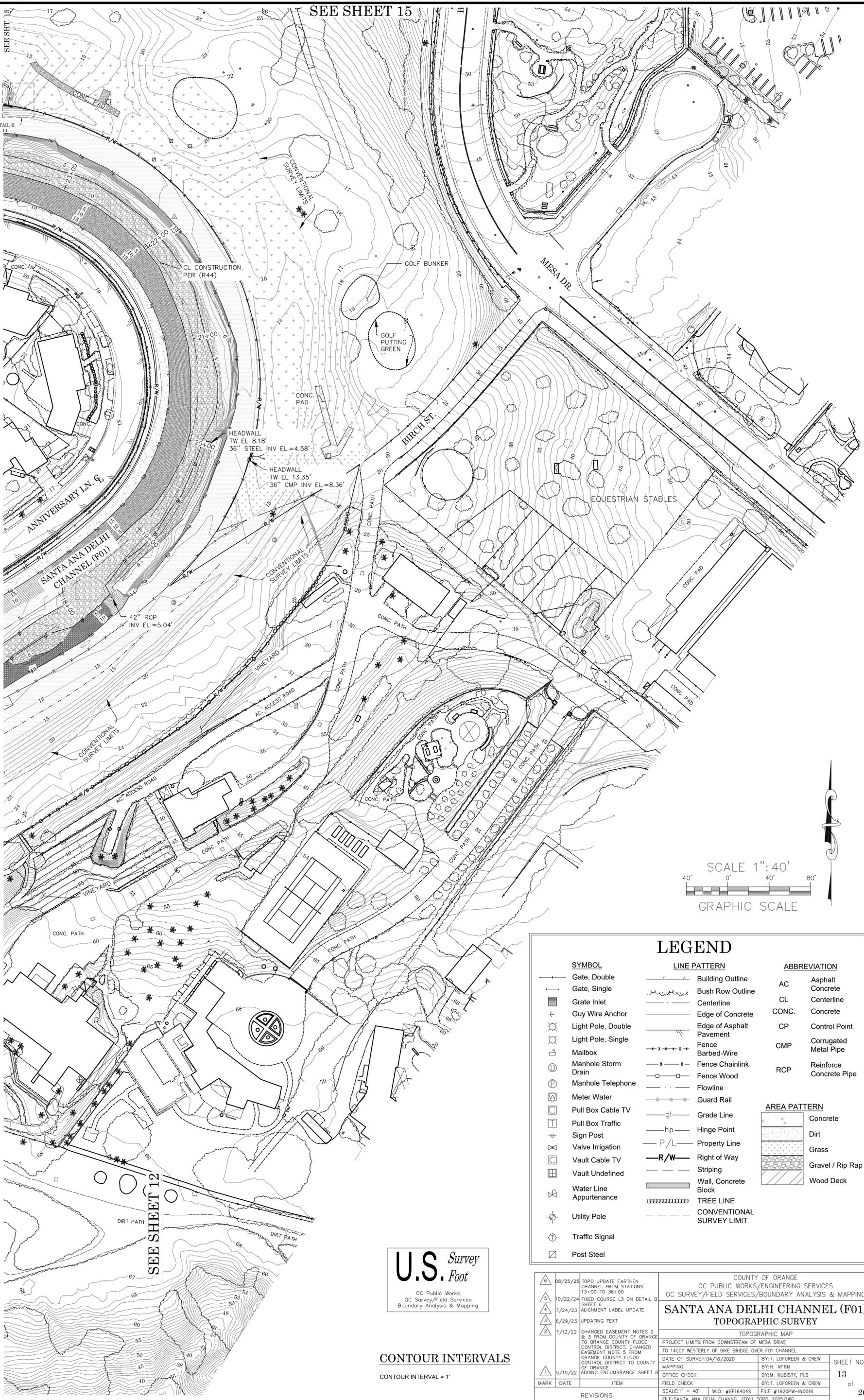
| MARK | DATE | ITEM |
|------|----------|---|
| 6 | 08/25/25 | TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 |
| 5 | 10/22/24 | FIXED COURSE L3 ON DETAIL B |
| 4 | 7/24/23 | SHEET 6 ALIGNMENT LABEL UPDATE |
| 3 | 6/29/23 | UPDATING TEXT |
| 2 | 7/12/22 | CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT. CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE. ADDING ENCUMBRANCE SHEET 8 |
| 1 | 5/19/22 | |

| COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING | |
|--|------------------------|
| SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY | |
| TOPOGRAPHIC MAP | |
| PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL | |
| DATE OF SURVEY: 04/16/2020 | BY: T. LOFGREEN & CREW |
| MAPPING | BY: H. AFIM |
| OFFICE CHECK | BY: M. KUBISTY, PLS |
| FIELD CHECK | BY: T. LOFGREEN & CREW |
| SCALE: 1" = 40' | W.O. #EF164045 |
| FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2025.DWG | FILE #1920PW-IN0016 |

SHEET NO.
12 of 26

SEE SHEET 15

SEE DETAIL E
SHT. 11



LEGEND

| SYMBOL | LINE PATTERN | ABBREVIATION |
|--------|--------------|-----------------------------|
| | | AC Asphalt |
| | | Concrete |
| | | CL Centerline |
| | | CONC. Concrete |
| | | CP Control Point |
| | | CMP Corrugated Metal Pipe |
| | | RCP Reinforce Concrete Pipe |
| | | |
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U.S. Survey
Foot

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

CONTOUR INTERVALS
CONTOUR INTERVAL = 1'

| | | | |
|----------|---|--|---|
| 08/25/25 | TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 | COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING | |
| 10/22/24 | FIXED COURSE L3 ON DETAIL B SHEET 6 | SANTA ANA DELHI CHANNEL (FO1) TOPOGRAPHIC SURVEY | |
| 7/24/23 | ALIGNMENT LABEL UPDATE | TOPOGRAPHIC MAP | |
| 6/29/23 | UPDATING TEXT | PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER FO1 CHANNEL | |
| 7/12/22 | CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT. CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE. ADDING ENCUMBRANCE SHEET 8 | DATE OF SURVEY: 04/16/2020 | BY: T. LOFGREEN & CREW |
| 5/19/22 | | MAPPING | BY: H. AFTIM |
| | | OFFICE CHECK | BY: M. KUBISTY, PLS |
| | | FIELD CHECK | BY: T. LOFGREEN & CREW |
| | | SCALE: 1" = 40' | W.O. #EF164045 |
| | | | FILE #1920PW-IND016 |
| | | | FILE: SANTA ANA DELHI CHANNEL (FO1)_TOPO_2025.DWG |

SHEET NO.
13
of
26

SOFFIT EL. = 22.52'
 CL LT. = 6.22'
 CL RT. = 6.35'
 CONC. FL. LT. = 5.19'
 CONC. FL. RT. = 5.19'

END CL CONST.
 ALIGNMENT
 40+34.18
 N: 2187135.07'
 E: 6064440.97'

SEE SHEET 17

SEE SHEET 15



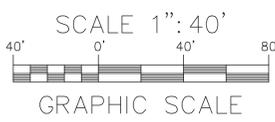
CONTOUR INTERVALS

CONTOUR INTERVAL = 1'

LEGEND

| SYMBOL | LINE PATTERN | ABBREVIATION |
|----------|---------------------------|-----------------------------|
| [Symbol] | Building Outline | AC Asphalt |
| [Symbol] | Bush Row Outline | Concrete |
| [Symbol] | Centerline | CL Centerline |
| [Symbol] | Edge of Concrete | CONC. Concrete |
| [Symbol] | Edge of Asphalt Pavement | CP Control Point |
| [Symbol] | Fence Barbed-Wire | CMP Corrugated Metal Pipe |
| [Symbol] | Fence Chainlink | RCP Reinforce Concrete Pipe |
| [Symbol] | Fence Wood | |
| [Symbol] | Flowline | |
| [Symbol] | Guard Rail | |
| [Symbol] | Grade Line | |
| [Symbol] | Hinge Point | |
| [Symbol] | Property Line | |
| [Symbol] | Right of Way | |
| [Symbol] | Striping | |
| [Symbol] | Wall, Concrete Block | |
| [Symbol] | TREE LINE | |
| [Symbol] | CONVENTIONAL SURVEY LIMIT | |

| AREA PATTERN | Material |
|--------------|------------------|
| [Pattern] | Concrete |
| [Pattern] | Dirt |
| [Pattern] | Grass |
| [Pattern] | Gravel / Rip Rap |
| [Pattern] | Wood Deck |

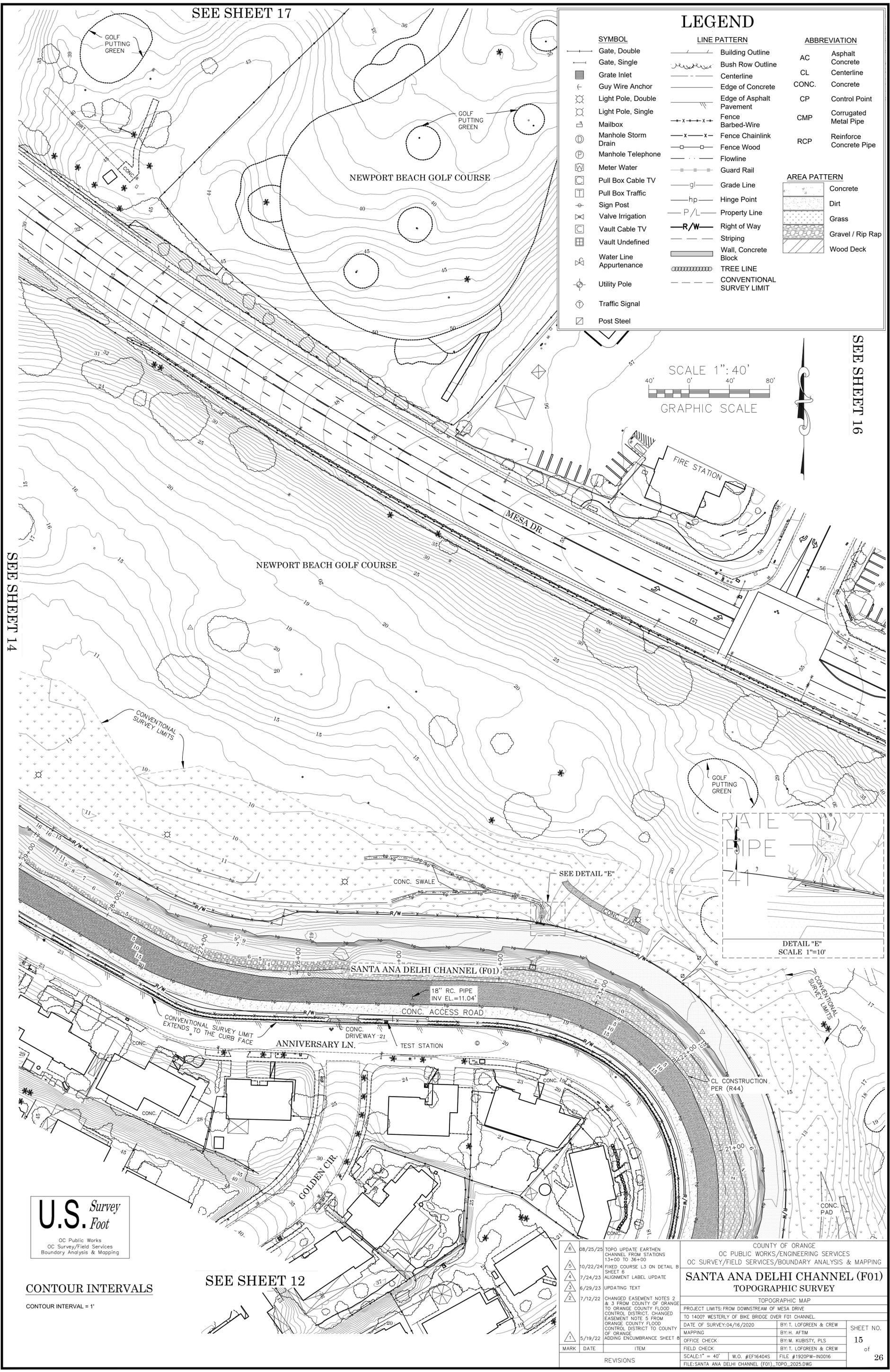


| | | | |
|----------|---|---|-----------------------------|
| 08/25/25 | TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 | COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY TOPOGRAPHIC MAP PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL DATE OF SURVEY: 04/16/2020 BY: T. LOFGREEN & CREW MAPPING BY: M. KUBISTY, PLS BY: T. LOFGREEN & CREW SCALE: 1" = 40' W.O. #EF164045 FILE #1920PW-IN0016 FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2025.DWG | SHEET NO. 14 of 26 |
| 10/22/24 | FIXED COURSE L3 ON DETAIL B | | |
| 7/24/23 | ALIGNMENT LABEL UPDATE | | |
| 6/29/23 | UPDATING TEXT | | |
| 7/12/22 | CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT. CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE. ADDING ENCUMBRANCE SHEET 8 | | |
| 5/19/22 | OFFICE CHECK | | |
| | FIELD CHECK | | |
| | REVISIONS | | |

SEE SHEET 17

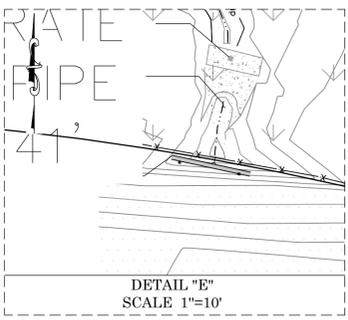
LEGEND

| SYMBOL | LINE PATTERN | ABBREVIATION |
|----------|--------------|------------------|
| [Symbol] | [Symbol] | AC |
| [Symbol] | [Symbol] | CL |
| [Symbol] | [Symbol] | CONC. |
| [Symbol] | [Symbol] | CP |
| [Symbol] | [Symbol] | CMP |
| [Symbol] | [Symbol] | RCP |
| [Symbol] | [Symbol] | Concrete |
| [Symbol] | [Symbol] | Dirt |
| [Symbol] | [Symbol] | Grass |
| [Symbol] | [Symbol] | Gravel / Rip Rap |
| [Symbol] | [Symbol] | Wood Deck |



SEE SHEET 16

SEE SHEET 14



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

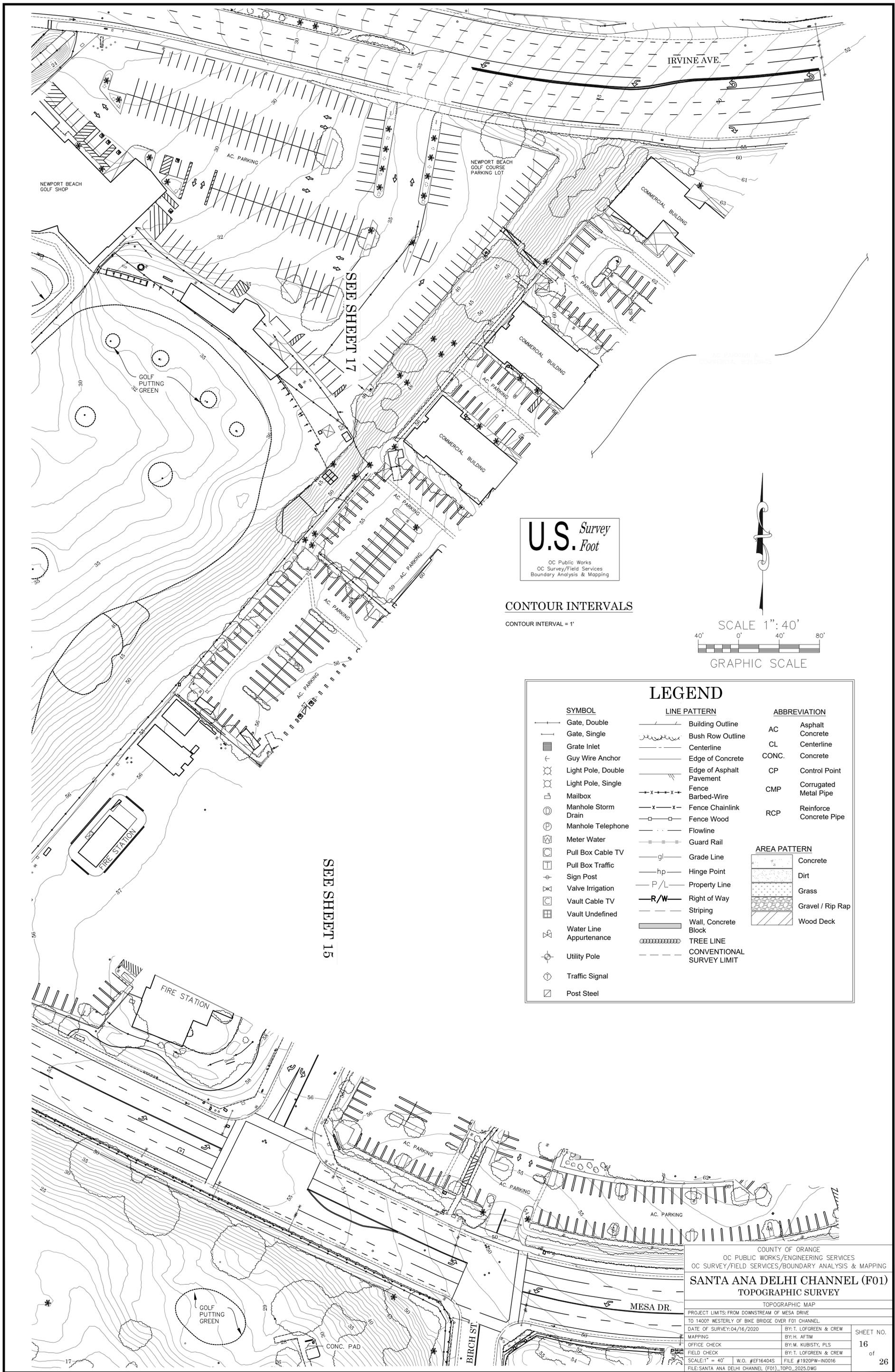
CONTOUR INTERVALS
 CONTOUR INTERVAL = 1'

SEE SHEET 12

| MARK | DATE | ITEM |
|------|----------|---|
| 6 | 08/25/25 | TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 |
| 5 | 10/22/24 | FIXED COURSE L3 ON DETAIL B |
| 4 | 7/24/23 | SHEET 6 ALIGNMENT LABEL UPDATE |
| 3 | 6/29/23 | UPDATING TEXT |
| 2 | 7/12/22 | CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT. CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE. ADDING ENCUMBRANCE SHEET 8 |
| 1 | 5/19/22 | OFFICE CHECK |

| COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING | |
|--|------------------------|
| SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY | |
| TOPOGRAPHIC MAP | |
| PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL | |
| DATE OF SURVEY: 04/16/2020 | BY: T. LOFGREEN & CREW |
| MAPPING | BY: H. AFTIM |
| OFFICE CHECK | BY: M. KUBISTY, PLS |
| FIELD CHECK | BY: T. LOFGREEN & CREW |
| SCALE: 1" = 40' | W.O. #EF164045 |
| FILE #1920PW-IN0016 | FILE #1920PW-IN0016 |
| FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2025.DWG | |

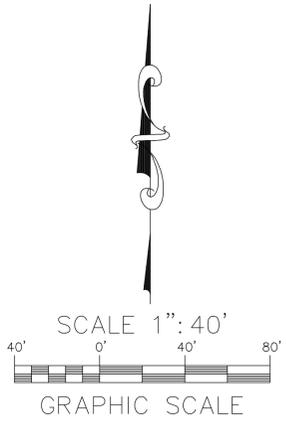
SHEET NO.
15
of
26



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

CONTOUR INTERVALS

CONTOUR INTERVAL = 1'



| SYMBOL | | LINE PATTERN | | ABBREVIATION | |
|--------|-------------------------|--------------|---------------------------|--------------|-------------------------|
| | Gate, Double | | Building Outline | AC | Asphalt Concrete |
| | Gate, Single | | Bush Row Outline | CL | Centerline |
| | Grate Inlet | | Centerline | CONC. | Concrete |
| | Guy Wire Anchor | | Edge of Concrete | CP | Control Point |
| | Light Pole, Double | | Edge of Asphalt Pavement | CMP | Corrugated Metal Pipe |
| | Light Pole, Single | | Fence Barbed-Wire | RCP | Reinforce Concrete Pipe |
| | Mailbox | | Fence Chainlink | | |
| | Manhole Storm Drain | | Fence Wood | | |
| | Manhole Telephone | | Flowline | | |
| | Meter Water | | Guard Rail | | |
| | Pull Box Cable TV | | Grade Line | | |
| | Pull Box Traffic | | Hinge Point | | |
| | Sign Post | | Property Line | | |
| | Valve Irrigation | | Right of Way | | |
| | Vault Cable TV | | Striping | | |
| | Vault Undefined | | Wall, Concrete Block | | |
| | Water Line Appurtenance | | TREE LINE | | |
| | Utility Pole | | CONVENTIONAL SURVEY LIMIT | | |
| | Traffic Signal | | | | |
| | Post Steel | | | | |

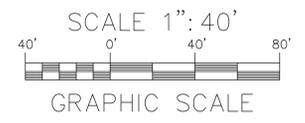
SEE SHEET 15

SEE SHEET 17

| | |
|--|------------------------|
| COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING | |
| SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY | |
| TOPOGRAPHIC MAP | |
| PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL | |
| DATE OF SURVEY: 04/16/2020 | BY: T. LOFGREEN & CREW |
| MAPPING | BY: H. AFTIM |
| OFFICE CHECK | BY: M. KUBISTY, PLS |
| FIELD CHECK | BY: T. LOFGREEN & CREW |
| SCALE: 1" = 40' | W.O. #EF164045 |
| FILE #1920PW-IN0016 | FILE #1920PW-IN0016 |
| FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2025.DWG | |

LEGEND

| SYMBOL | LINE PATTERN | ABBREVIATION |
|----------|---------------------------|-----------------------------|
| [Symbol] | Building Outline | AC Asphalt |
| [Symbol] | Bush Row Outline | CL Centerline |
| [Symbol] | Centerline | CONC. Concrete |
| [Symbol] | Edge of Concrete | CP Control Point |
| [Symbol] | Edge of Asphalt Pavement | CMP Corrugated Metal Pipe |
| [Symbol] | Fence | RCP Reinforce Concrete Pipe |
| [Symbol] | Fence Barbed-Wire | |
| [Symbol] | Fence Chainlink | |
| [Symbol] | Fence Wood | |
| [Symbol] | Flowline | |
| [Symbol] | Guard Rail | |
| [Symbol] | Grade Line | Concrete |
| [Symbol] | Hinge Point | Dirt |
| [Symbol] | Property Line | Grass |
| [Symbol] | Right of Way | Gravel / Rip Rap |
| [Symbol] | Striping | Wood Deck |
| [Symbol] | Wall, Concrete Block | |
| [Symbol] | TREE LINE | |
| [Symbol] | CONVENTIONAL SURVEY LIMIT | |
| [Symbol] | Gate, Double | |
| [Symbol] | Gate, Single | |
| [Symbol] | Grate Inlet | |
| [Symbol] | Guy Wire Anchor | |
| [Symbol] | Light Pole, Double | |
| [Symbol] | Light Pole, Single | |
| [Symbol] | Mailbox | |
| [Symbol] | Manhole Storm Drain | |
| [Symbol] | Manhole Telephone | |
| [Symbol] | Meter Water | |
| [Symbol] | Pull Box Cable TV | |
| [Symbol] | Pull Box Traffic | |
| [Symbol] | Sign Post | |
| [Symbol] | Valve Irrigation | |
| [Symbol] | Vault Cable TV | |
| [Symbol] | Vault Undefined | |
| [Symbol] | Water Line Appurtenance | |
| [Symbol] | Utility Pole | |
| [Symbol] | Traffic Signal | |
| [Symbol] | Post Steel | |



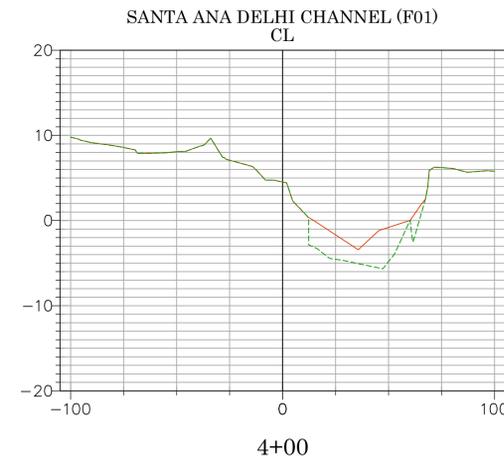
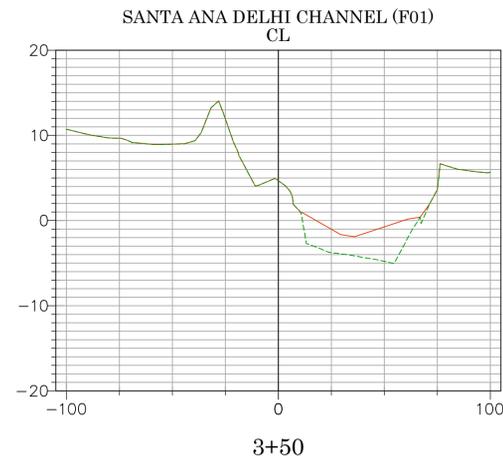
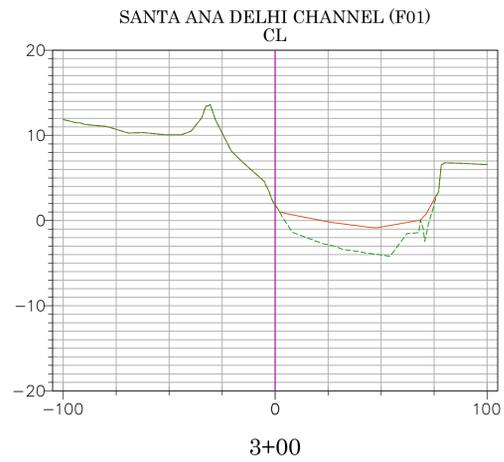
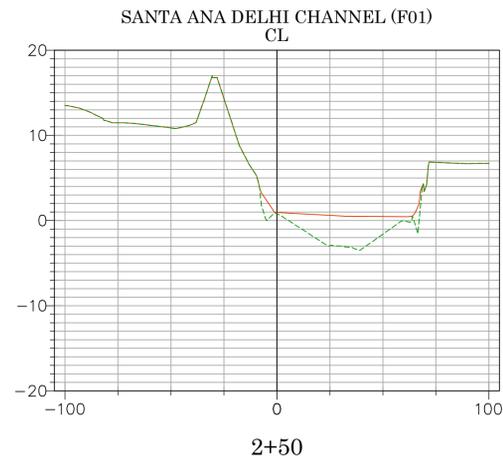
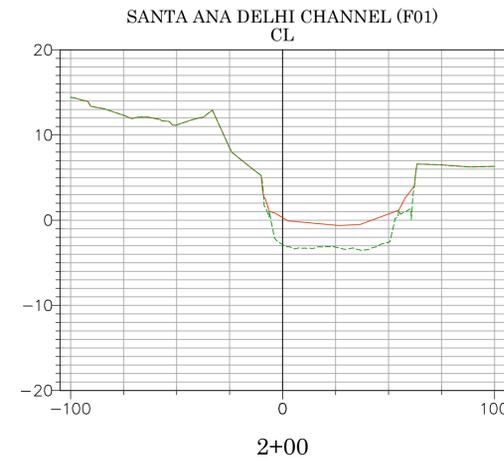
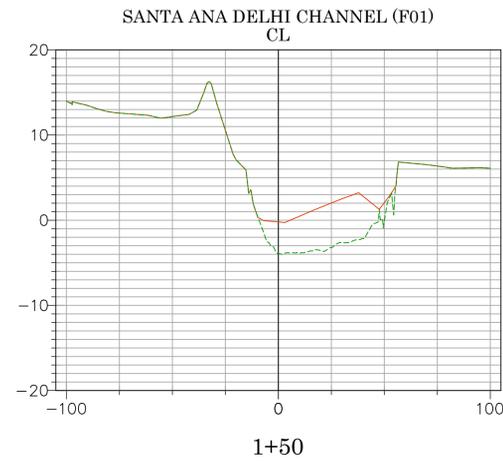
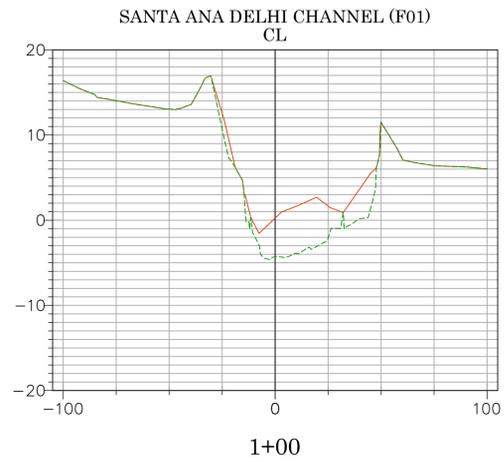
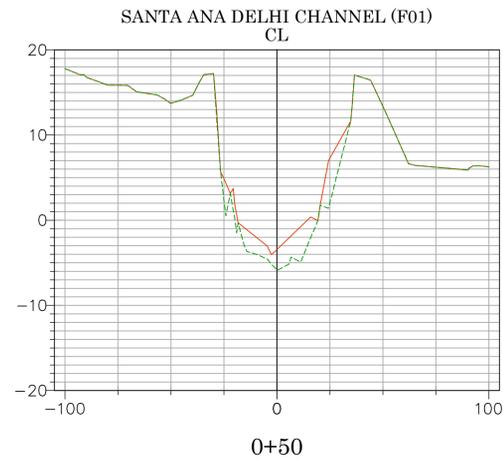
CONTOUR INTERVALS

CONTOUR INTERVAL = 1'



END CL CONST. ALIGNMENT
40+34.15
N: 2187135.07'
E: 6064440.97'

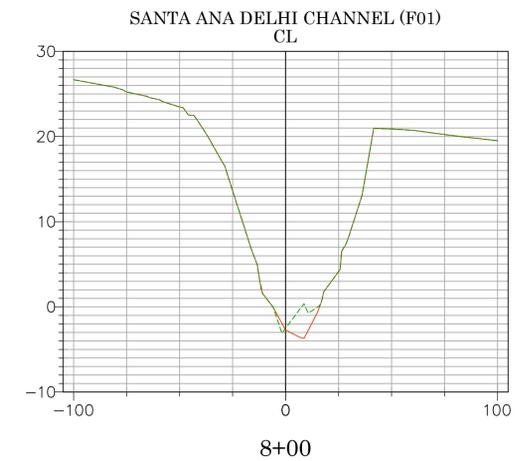
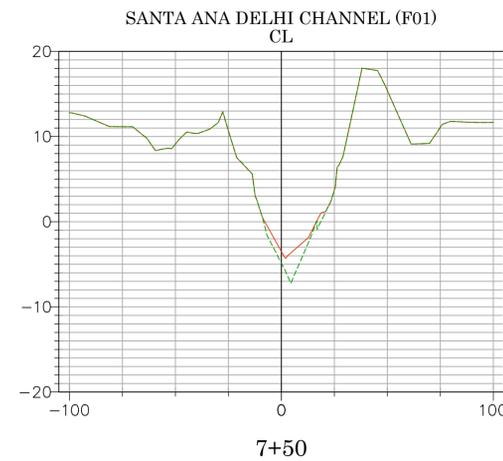
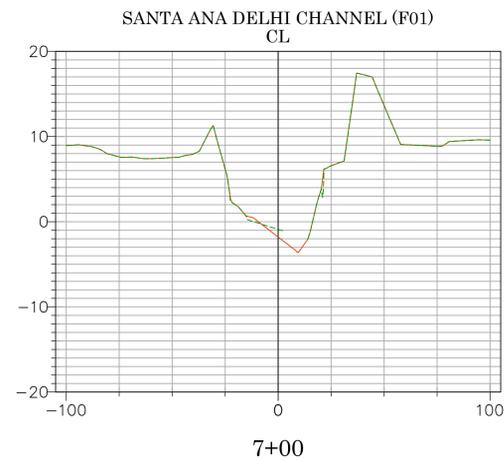
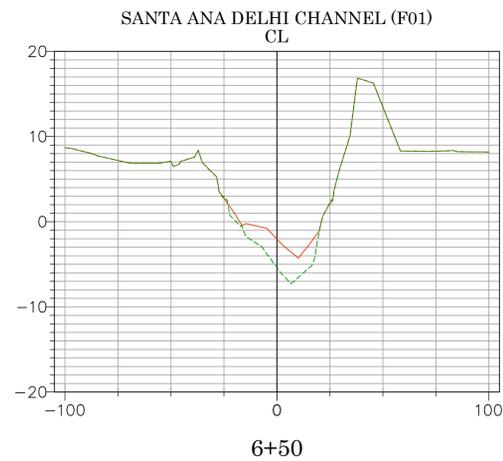
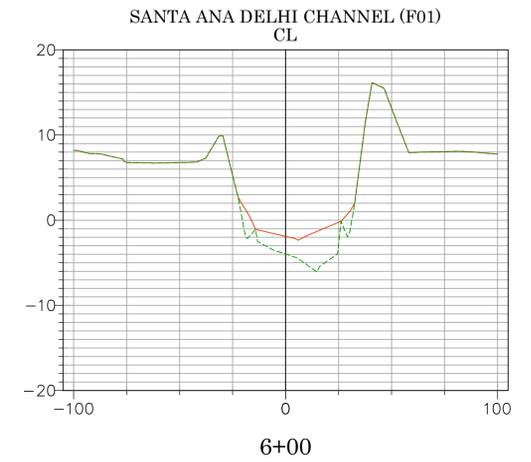
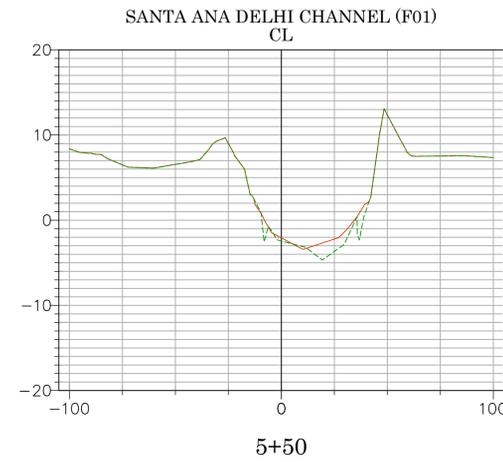
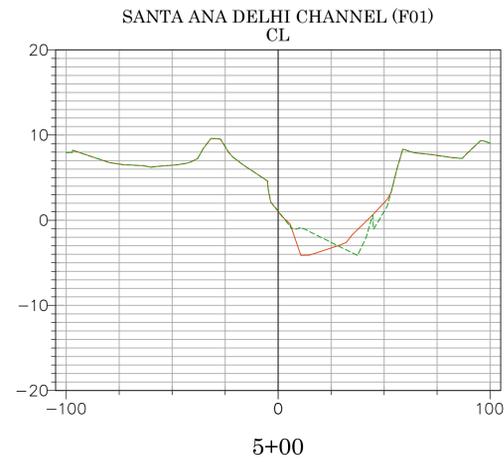
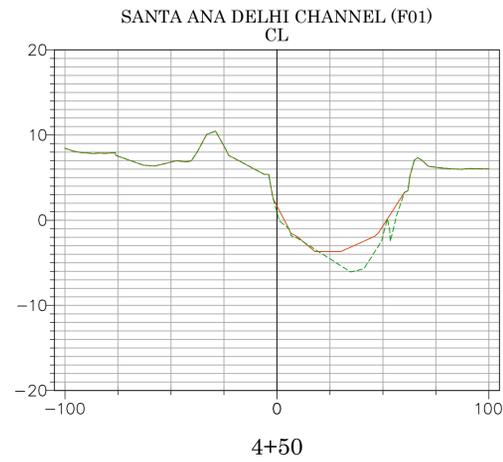
| REVISIONS | | COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING | |
|-----------|----------|---|--|
| △ | 08/25/25 | TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 | SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY TOPOGRAPHIC MAP PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL. DATE OF SURVEY: 04/16/2020 BY: T. LOFGREEN & CREW MAPPING BY: H. AFTIM OFFICE CHECK BY: M. KUBISTY, PLS FIELD CHECK BY: T. LOFGREEN & CREW SCALE: 1" = 40' W.O. #E716404S FILE #1920PW-IN016 FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2025.DWG |
| △ | 10/22/24 | FIXED COURSE L3 ON DETAIL B | |
| △ | 7/24/23 | ALIGNMENT LABEL UPDATE | |
| △ | 6/29/23 | UPDATING TEXT | |
| △ | 7/12/22 | CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT, CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE ADDING ENCUMBRANCE SHEET B | |
| △ | 5/19/22 | | SHEET NO. 17 of 26 |



2025 UPDATED TOPO
2020 ORIGINAL SURFACE
DATE PREPARED: 09/17/2025
Vert Scale: 1"=10'
Hor Scale: 1"=40'



| | | | |
|---|--|---|--|
| TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 FIXED COURSE L3 ON DETAIL B SHEET 6 ALIGNMENT LABEL UPDATE 7/24/23 6/29/23 UPDATING TEXT 7/12/22 CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT, CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE 5/19/22 ADDING ENCUMBRANCE SHEET 8 | | COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY | |
| TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 FIXED COURSE L3 ON DETAIL B SHEET 6 ALIGNMENT LABEL UPDATE 7/24/23 6/29/23 UPDATING TEXT 7/12/22 CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT, CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE 5/19/22 ADDING ENCUMBRANCE SHEET 8 | | SECTIONS PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400? WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL. DATE OF SURVEY: 04/16/2020 BY: T. LOFGREEN & CREW MAPPING BY: H. AFTIM OFFICE CHECK BY: M. KUBISTY, PLS FIELD CHECK BY: T. LOFGREEN & CREW | |
| REVISIONS | | REVISIONS | |
| TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 FIXED COURSE L3 ON DETAIL B SHEET 6 ALIGNMENT LABEL UPDATE 7/24/23 6/29/23 UPDATING TEXT 7/12/22 CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT, CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE 5/19/22 ADDING ENCUMBRANCE SHEET 8 | | SHEET NO. 18 of 26 | |
| SCALE: 1" = 40' W.O. #EF16404S FILE #1920PW-IN0016 FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2025.DWG | | | |

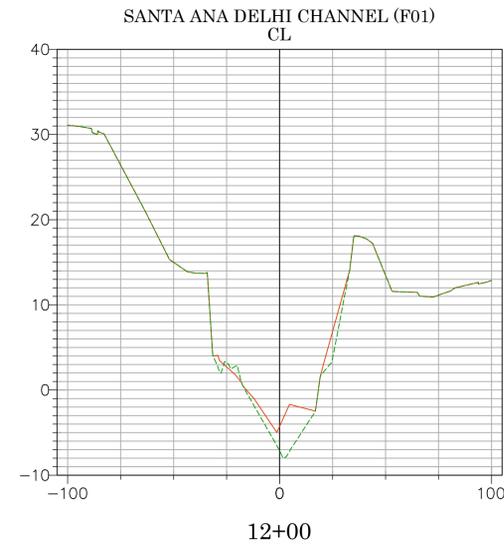
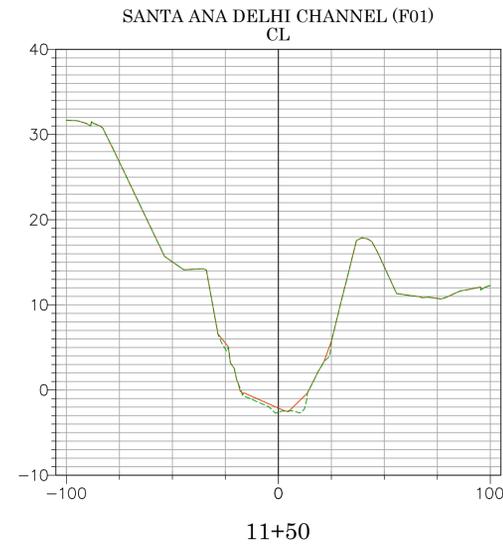
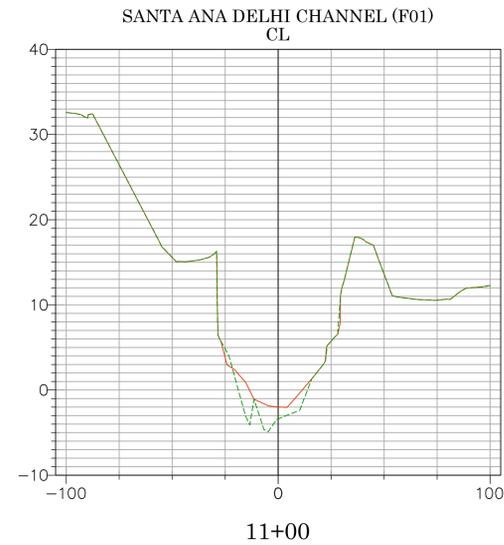
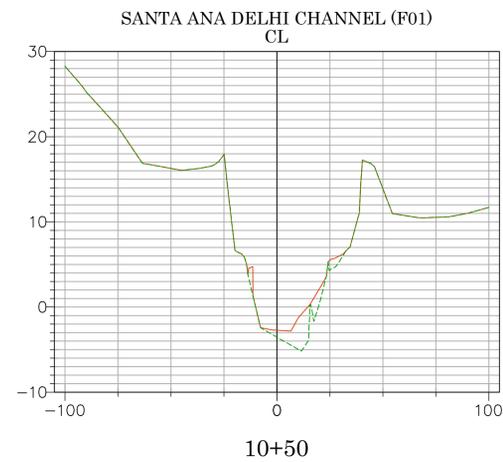
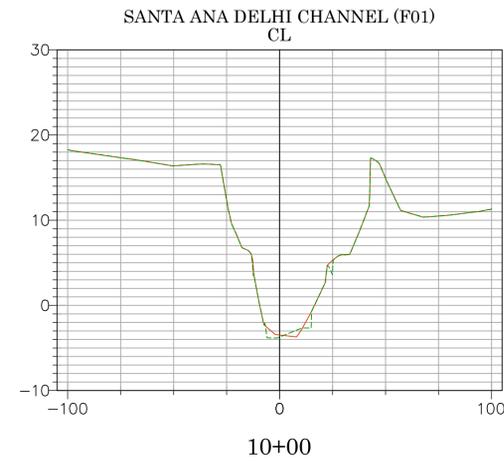
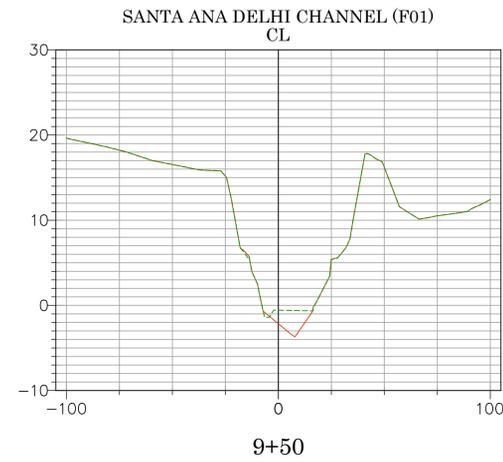
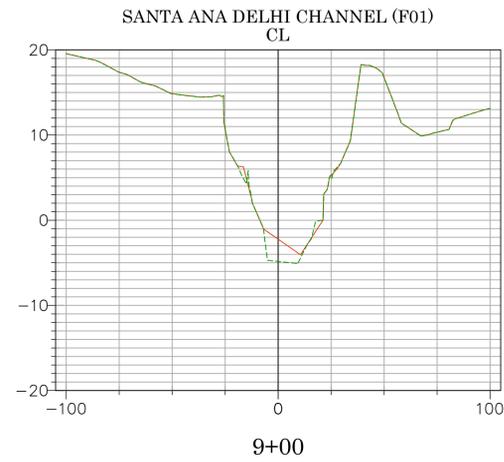
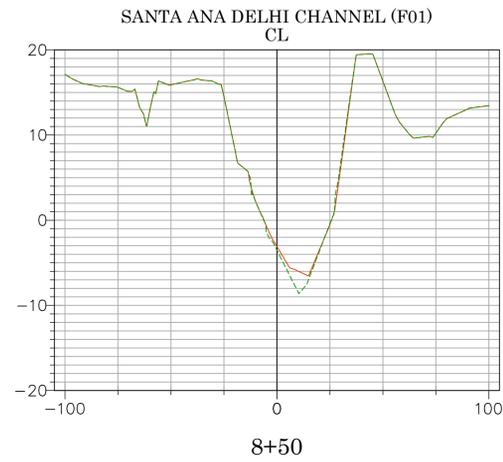


2025 UPDATED TOPO
2020 ORIGINAL SURFACE
DATE PREPARED: 09/17/2025

Vert. Scale: 1"=30'
Hor. Scale: 1"=40'



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| TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 FIXED COURSE L3 ON DETAIL B SHEET 6 ALIGNMENT LABEL UPDATE UPDATING TEXT CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT, CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE ADDING ENCUMBRANCE SHEET 8 | | 06/25/25 10/22/24 7/24/23 6/29/23 7/12/22 5/19/22 | COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY |
| TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 AND SW'LY 1000' INTO MARSH. FIXED CENTERLINE ALIGNMENT AND RIGHT OF WAY ALONG WITH EASEMENTS FROM STATIONS 13+15.16 EC TO 0+01.00 SHTS 7 & 9 REVISED RIGHT OF WAY, FIXED FENCING, ADD BATHY, & LOCATED GAUGES | | 12/30/25 12/4/25 | PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL. DATE OF SURVEY: 04/16/2020 BY: T. LOGGREEN & CREW MAPPING BY: H. AFTIM OFFICE CHECK BY: M. KUBISTY, PLS FIELD CHECK BY: T. LOGGREEN & CREW SCALE: 1" = 40' W.O. #EF16404S FILE #1920PW-IN0016 FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2025.DWG |
| REVISIONS | | REVISIONS | SHEET NO. 19 of 26 |

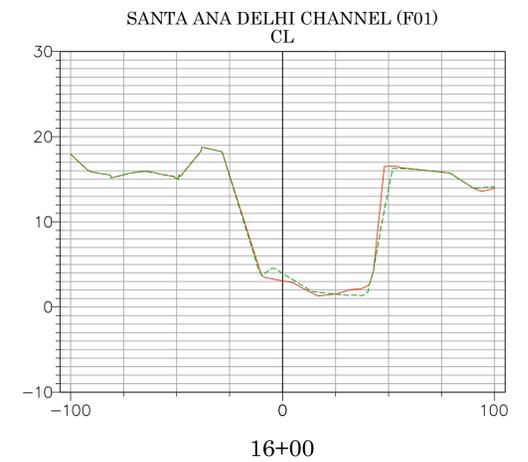
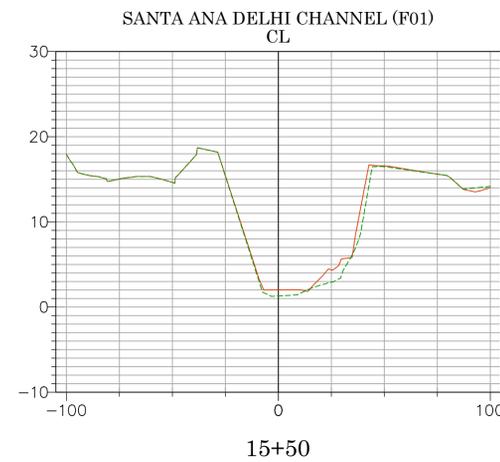
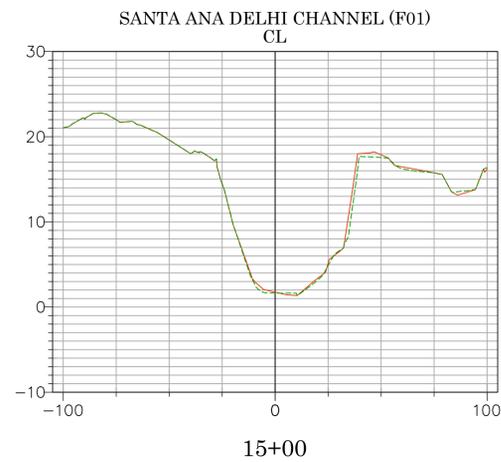
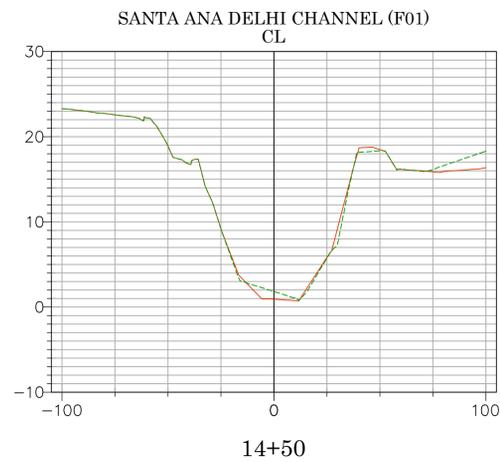
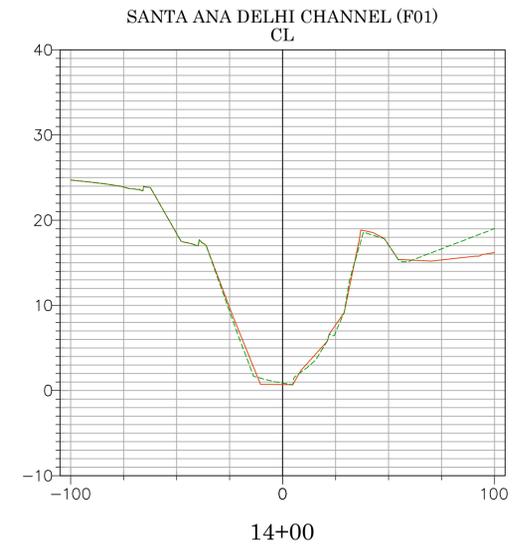
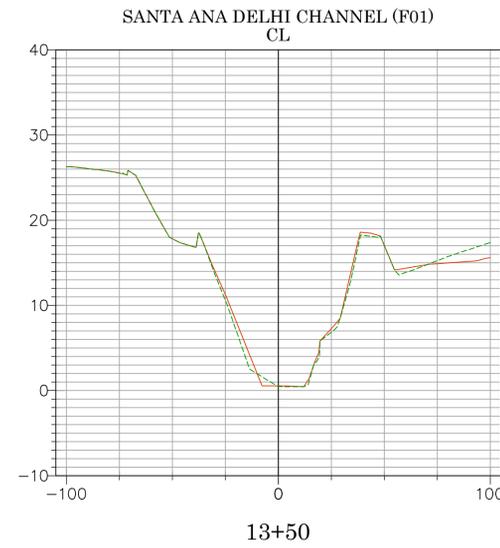
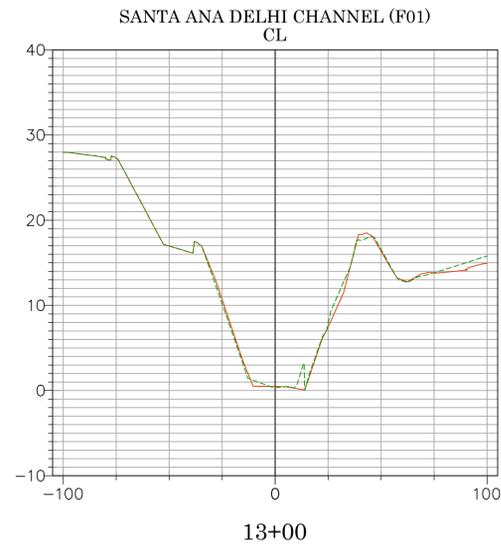
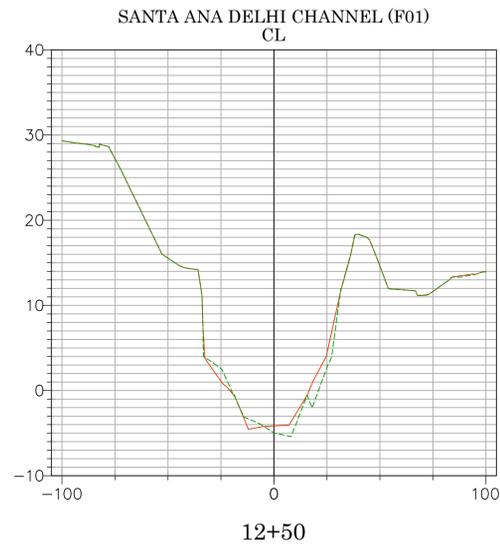


2025 UPDATED TOPO
2020 ORIGINAL SURFACE
DATE PREPARED: 09/17/2025

Vert Scale: 1"=30'
Hor Scale: 1"=40'



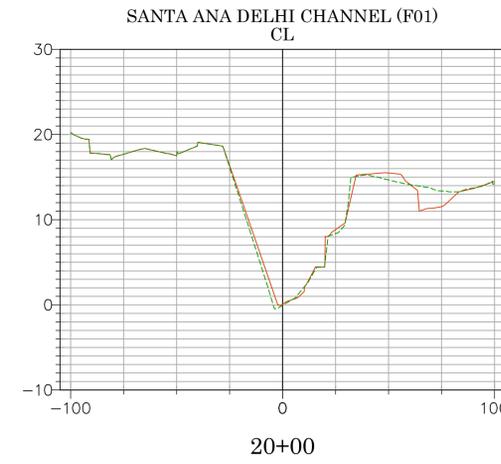
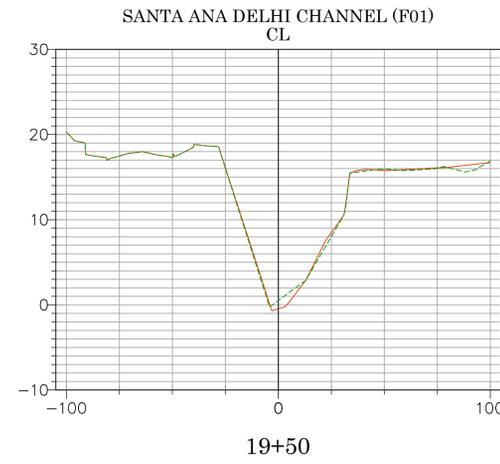
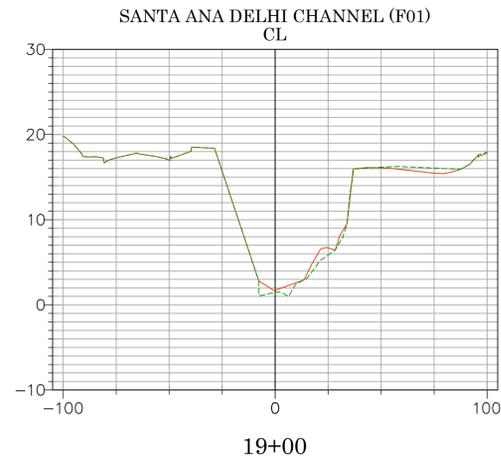
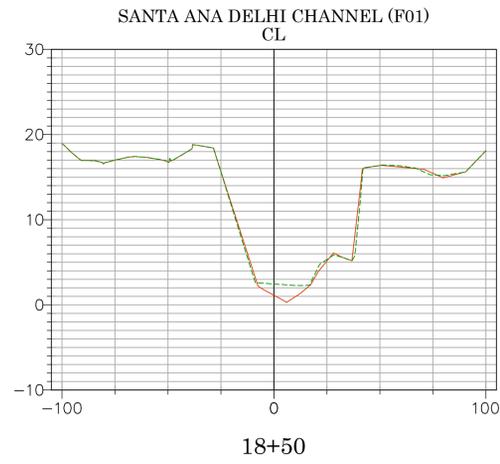
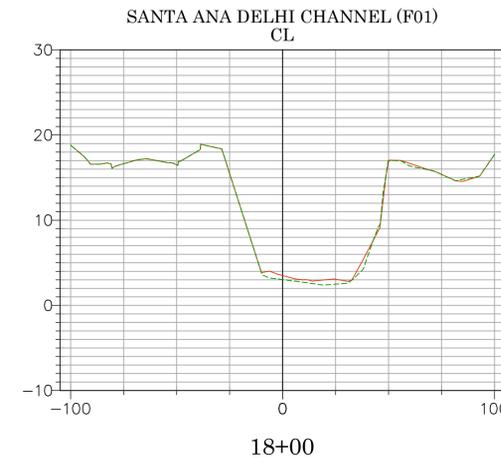
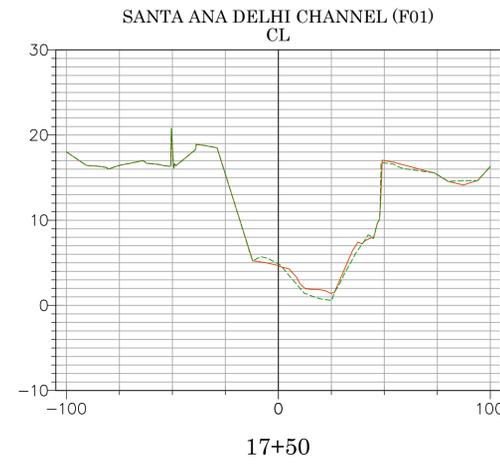
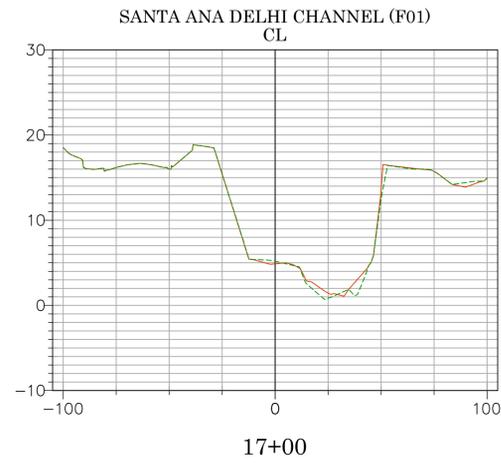
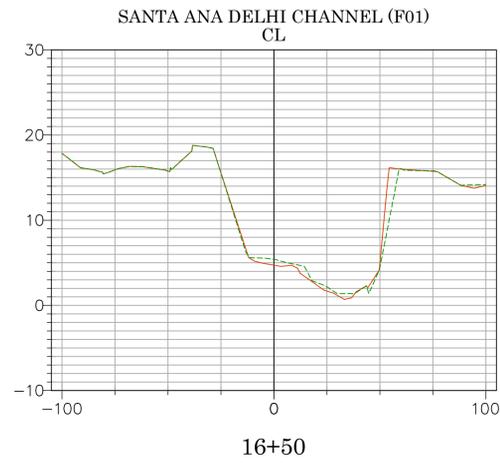
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| TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 FIXED COURSE L3 ON DETAIL B SHEET 6 ALIGNMENT LABEL UPDATE 7/24/23 UPDATING TEXT 6/29/23 CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT, CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE 7/12/22 REVISOR: | | COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY | |
| 12/30/25 TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 AND SW'LY 1000' INTO MARSH. FIXED CENTERLINE ALIGNMENT AND RIGHT OF WAY ALONG WITH EASEMENTS FROM STATIONS 13+15.16 EC TO 0+01.00 SHTS 7 & 9 12/4/25 REVISED RIGHT OF WAY, FIXED FENCING, ADD BATHY, & LOCATED GAUGES | 06/25/25 TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 10/22/24 FIXED COURSE L3 ON DETAIL B 7/24/23 ALIGNMENT LABEL UPDATE 6/29/23 UPDATING TEXT 7/12/22 CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT, CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE 5/19/22 ADDING ENCUMBRANCE SHEET 8 | PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL. DATE OF SURVEY: 04/16/2020 MAPPING OFFICE CHECK FIELD CHECK SCALE: 1" = 40' W.O. #EF16404S FILE #1920PW-IN0016 FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2025.DWG | SHEET NO. 20 of 26 |



2025 UPDATED TOPO
2020 ORIGINAL SURFACE
DATE PREPARED: 09/17/2025
Vert. Scale: 1"=30'
Hor. Scale: 1"=40'



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| TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 FIXED COURSE L3 ON DETAIL B SHEET 6 ALIGNMENT LABEL UPDATE UPDATING TEXT CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT, CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE ADDING ENCUMBRANCE SHEET 8 | | COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY | |
| 12/30/25 TOPO UPDATE EARTHEN CHANNEL FROM 13+00 TO 0+00 AND SW'LY 1000' INTO MARSH. FIXED CENTERLINE ALIGNMENT AND RIGHT OF WAY ALONG WITH EASEMENTS FROM STATIONS 13+15.16 EC TO 0+01.00 SHTS 7 & 9 REVISED RIGHT OF WAY, FIXED FENCING, ADD BATHY, & LOCATED GAUGES | 06/25/25 TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 10/22/24 7/24/23 6/29/23 7/12/22 5/19/22 | PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL. DATE OF SURVEY: 04/16/2020 MAPPING OFFICE CHECK FIELD CHECK | BY: T. LOGGREEN & CREW BY: H. AFTIM BY: M. KUBISTY, PLS BY: T. LOGGREEN & CREW |
| REVISIONS | | SHEET NO. 21 of 26 | |

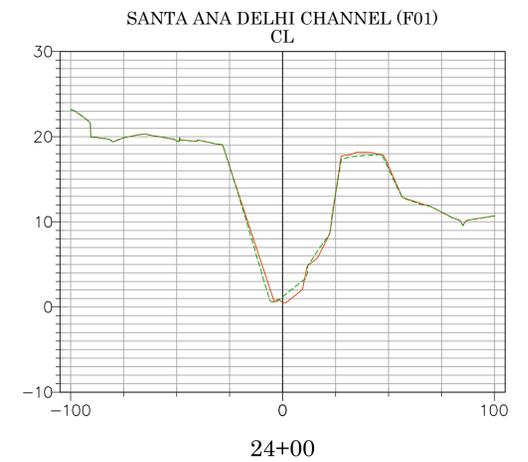
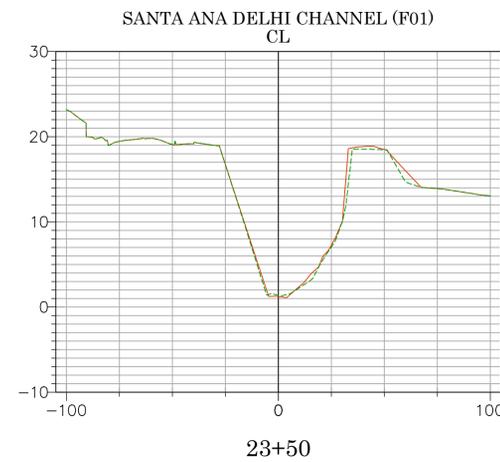
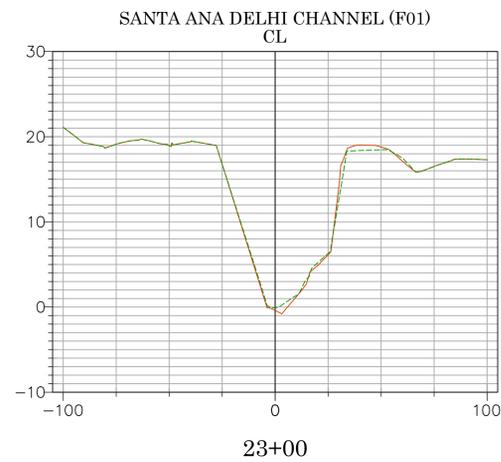
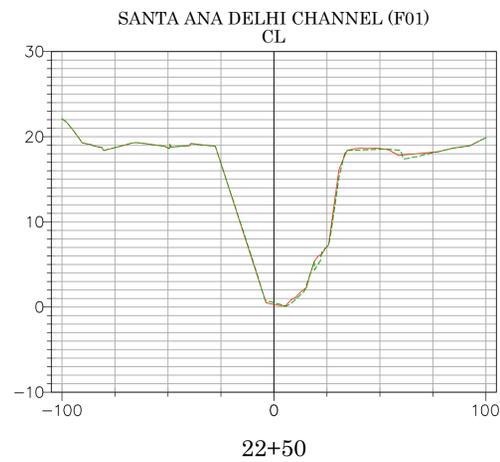
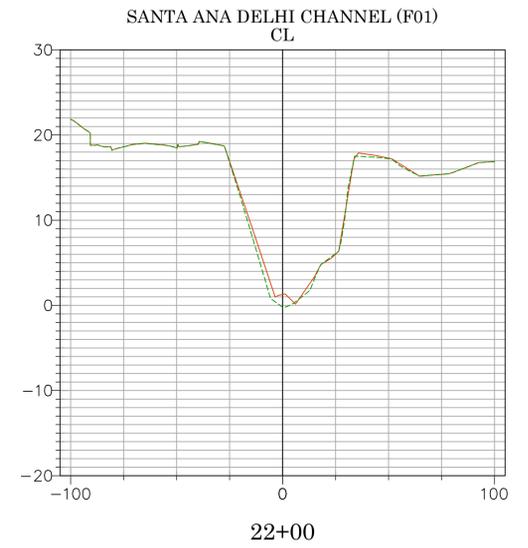
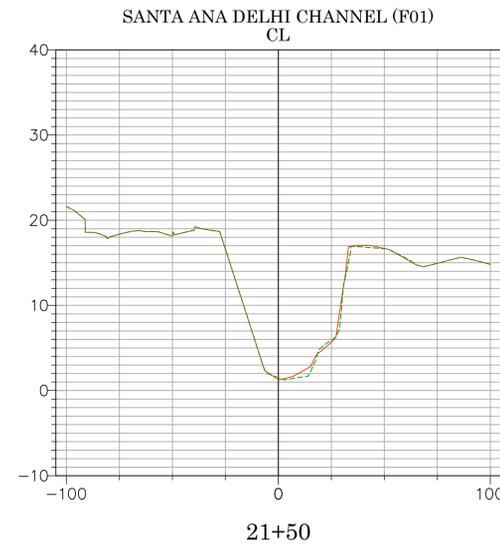
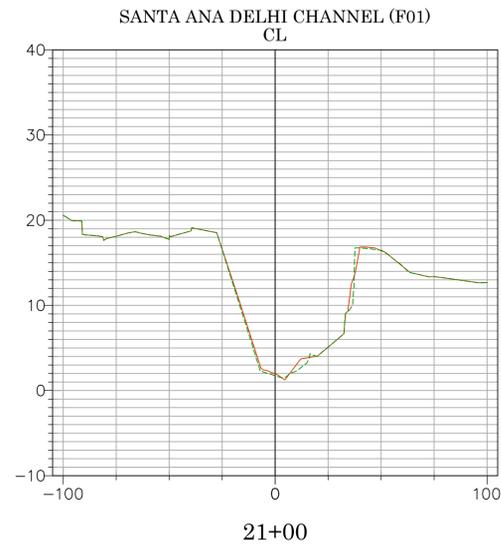
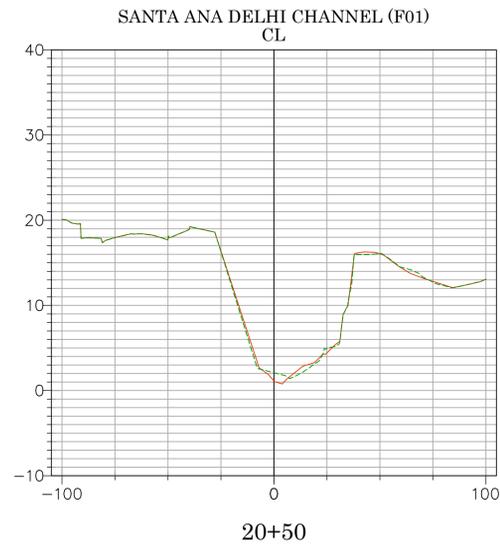


2025 UPDATED TOPO
2020 ORIGINAL SURFACE
DATE PREPARED: 09/17/2025

Vert. Scale: 1"=30'
Hor. Scale: 1"=40'



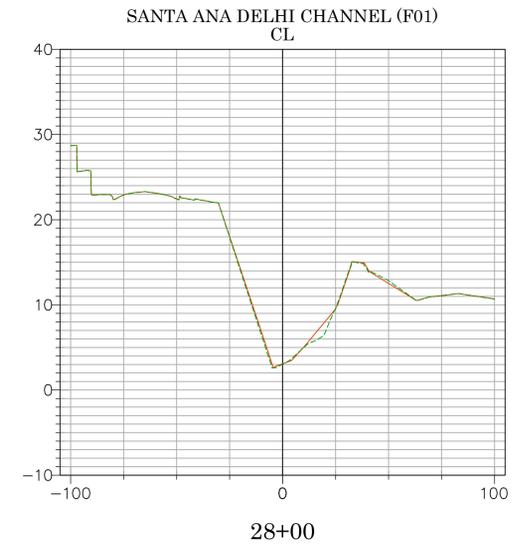
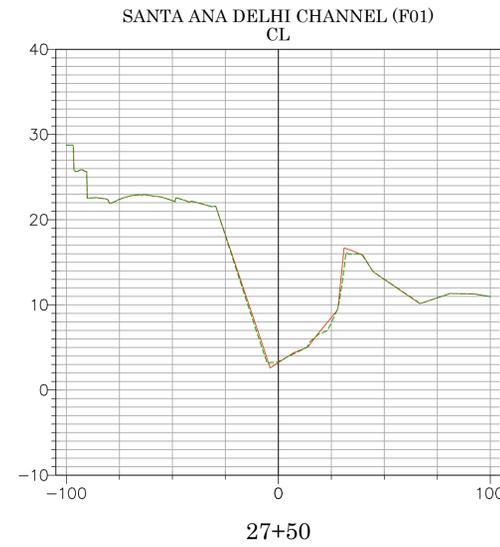
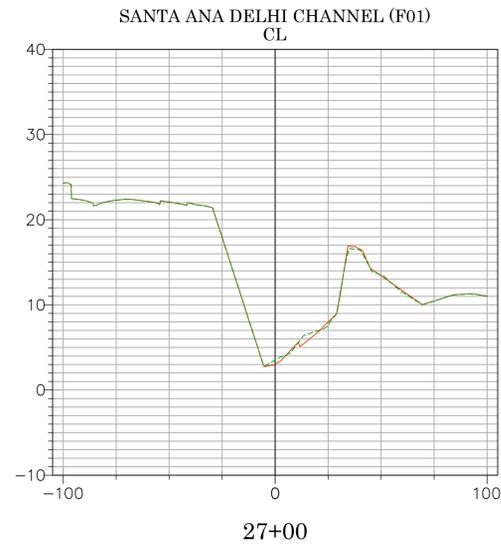
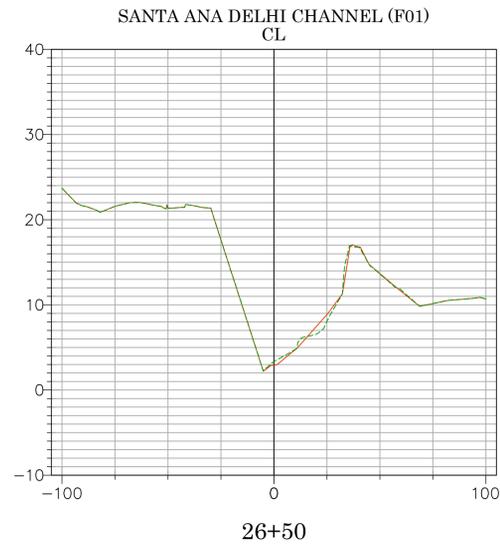
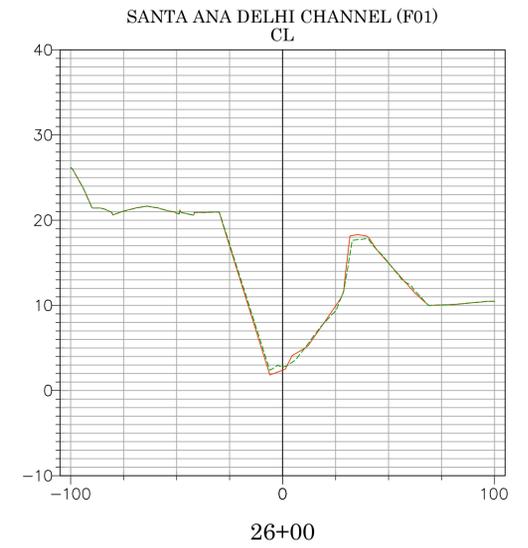
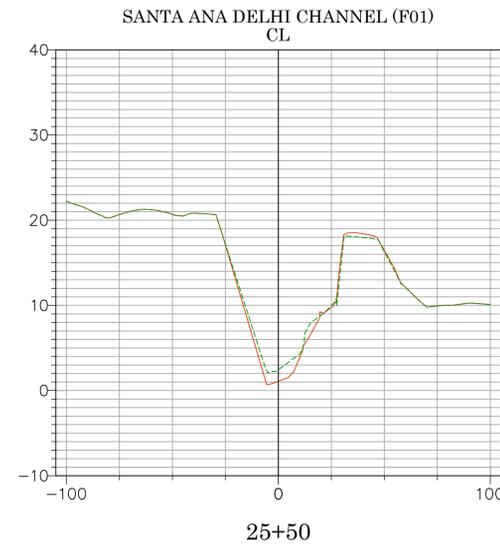
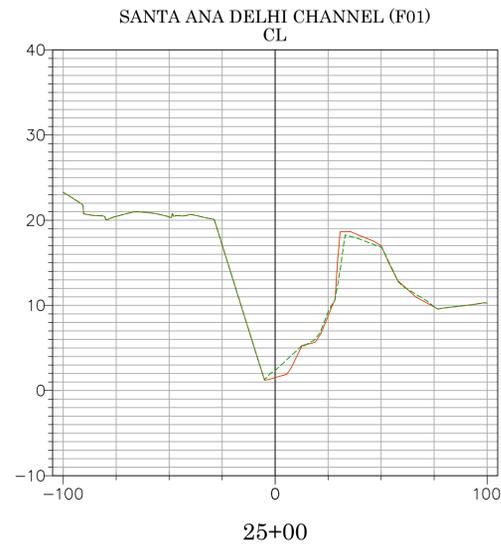
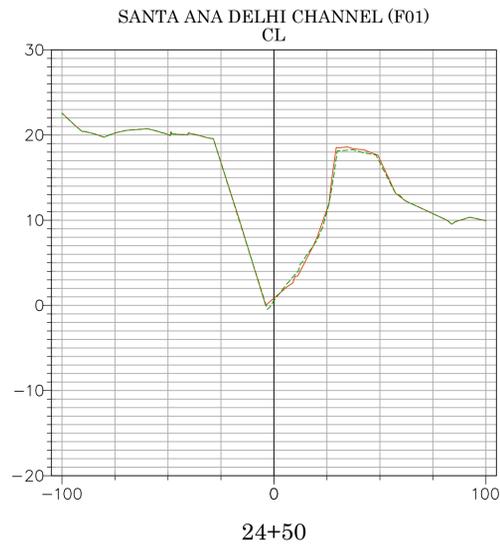
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| TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 FIXED COURSE L3 ON DETAIL B SHEET 6 ALIGNMENT LABEL UPDATE UPDATING TEXT CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT, CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE ADDING ENCUMBRANCE SHEET 8 | | COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY | |
| 12/30/25 TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 AND SW'LY 1000' INTO MARSH. FIXED CENTERLINE ALIGNMENT AND RIGHT OF WAY ALONG WITH EASEMENTS FROM STATIONS 13+15.16 EC TO 0+01.00 SHTS 7 & 9 REVISED RIGHT OF WAY, FIXED FENCING, ADD BATHY, & LOCATED GAUGES | 06/25/25 10/22/24 7/24/23 6/29/23 7/12/22 5/19/22 | TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 FIXED COURSE L3 ON DETAIL B SHEET 6 ALIGNMENT LABEL UPDATE UPDATING TEXT CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT, CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE ADDING ENCUMBRANCE SHEET 8 | PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL. DATE OF SURVEY: 04/16/2020 MAPPING OFFICE CHECK FIELD CHECK SCALE: 1" = 40' W.O. #EF16404S FILE #1920PW-IN0016 FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2025.DWG |
| REVISIONS | | REVISIONS | |
| | | SHEET NO. 22 of 26 | |



2025 UPDATED TOPO
2020 ORIGINAL SURFACE
DATE PREPARED: 09/17/2025
Vert. Scale: 1"=30'
Hor. Scale: 1"=40'



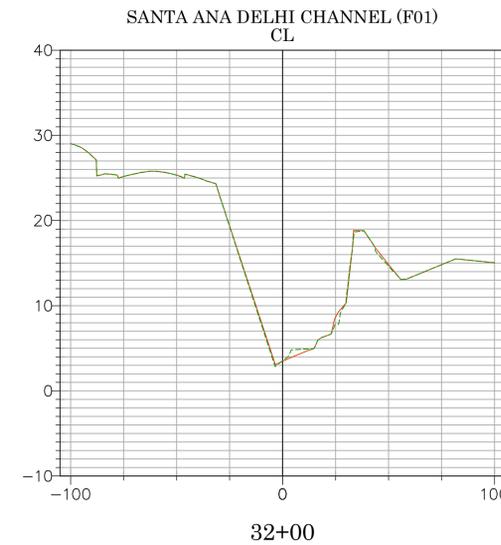
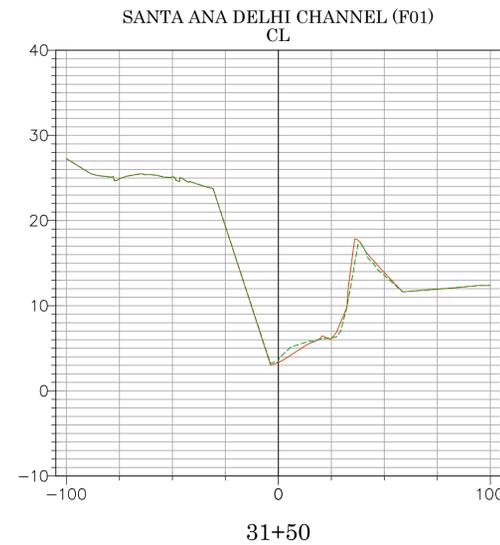
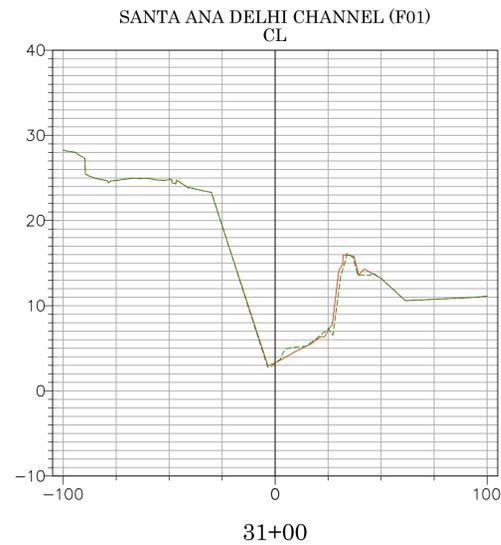
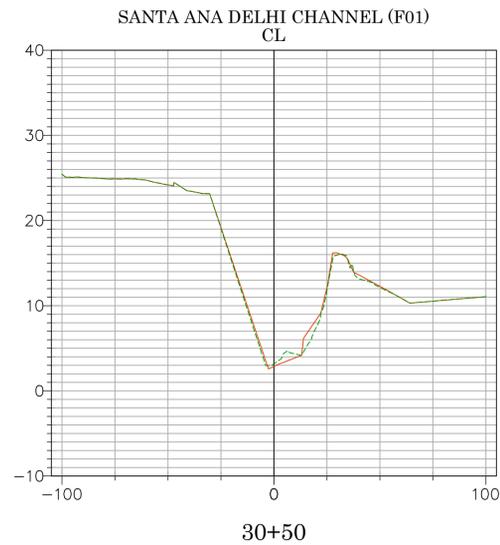
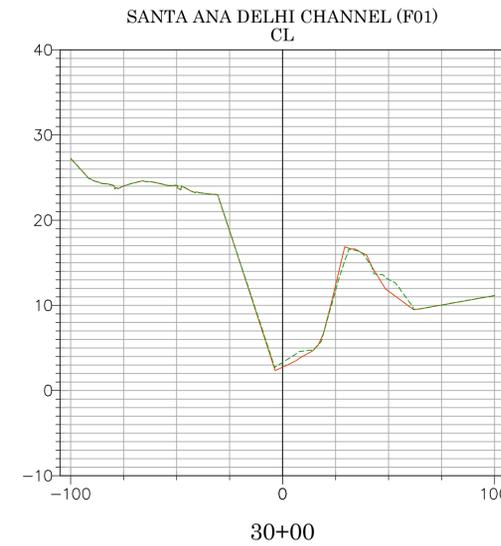
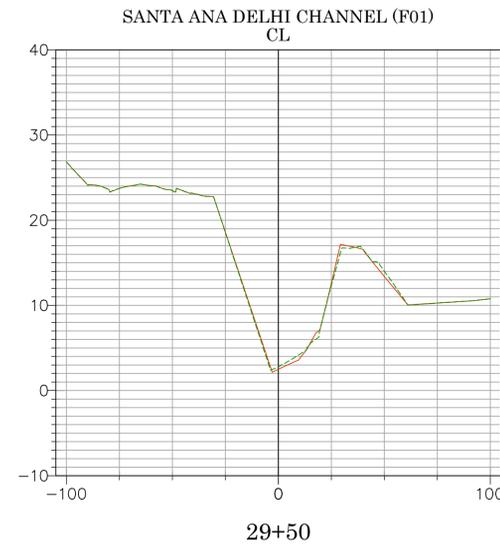
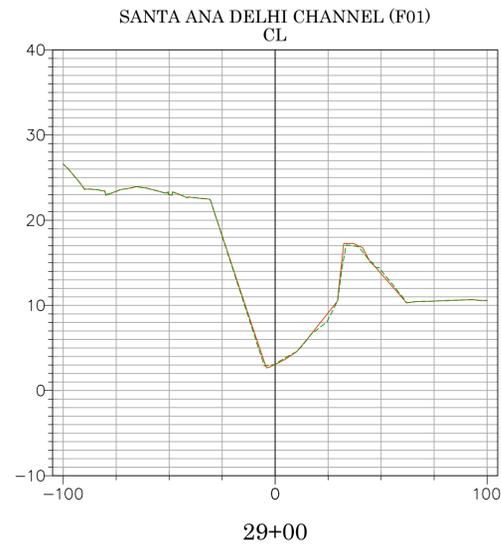
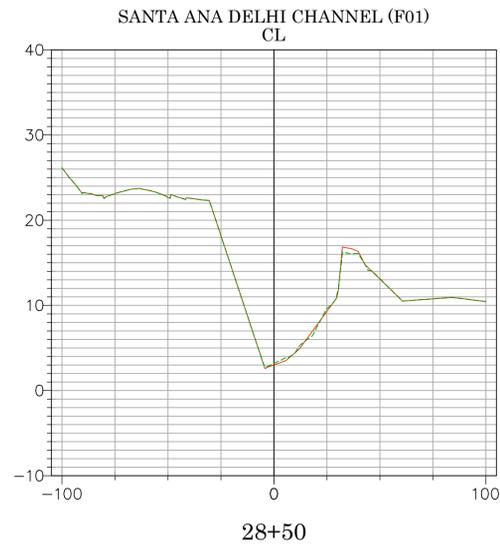
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| TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 FIXED COURSE L3 ON DETAIL B SHEET 6 ALIGNMENT LABEL UPDATE UPDATING TEXT CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT, CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE ADDING ENCUMBRANCE SHEET 8 | | COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY | |
| 12/30/25 TOPO UPDATE EARTHEN CHANNEL FROM 13+00 TO 0+00 AND SW'LY 1000' INTO MARSH. FIXED CENTERLINE ALIGNMENT AND RIGHT OF WAY ALONG WITH EASEMENTS FROM STATIONS 13+15.16 EC TO 0+01.00 SHTS 7 & 9 | 06/25/25 TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 | 10/22/24 FIXED COURSE L3 ON DETAIL B SHEET 6 | PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400? WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL. |
| 12/4/25 REVISED RIGHT OF WAY, FIXED FENCING, ADD BATHY, & LOCATED GAUGES | 7/24/23 ALIGNMENT LABEL UPDATE | 6/29/23 UPDATING TEXT | DATE OF SURVEY: 04/16/2020 BY: T. LOGGREEN & CREW |
| | 5/19/22 ADDING ENCUMBRANCE SHEET 8 | 7/12/22 CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT, CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE | MAPPING BY: H. AFTIM |
| | | | OFFICE CHECK BY: M. KUBISTY, PLS |
| | | | FIELD CHECK BY: T. LOGGREEN & CREW |
| | | | SCALE: 1" = 40' W.O. #EF16404S FILE #1920PW-IN0016 FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2025.DWG |
| REVISIONS | | SHEET NO. 23 of 26 | |



2025 UPDATED TOPO
2020 ORIGINAL SURFACE
DATE PREPARED: 09/17/2025
Vert. Scale: 1"=30'
Hor. Scale: 1"=40'



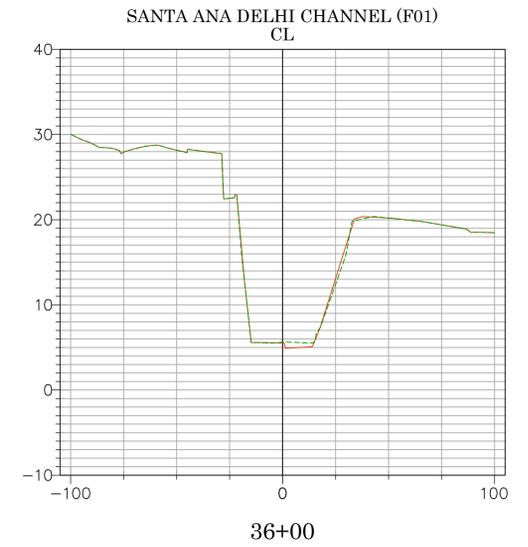
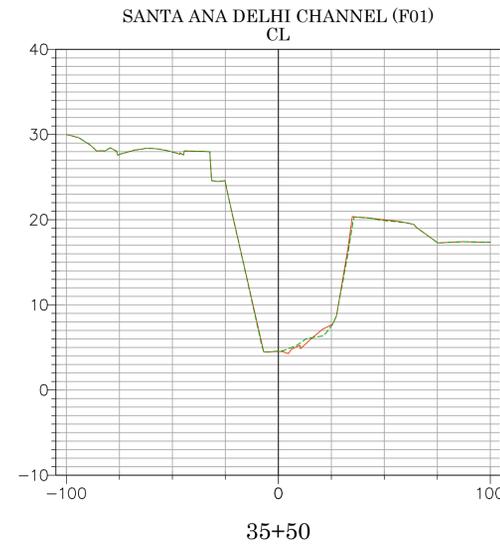
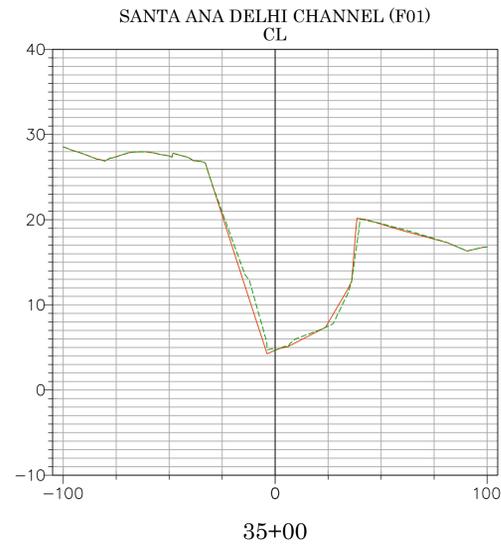
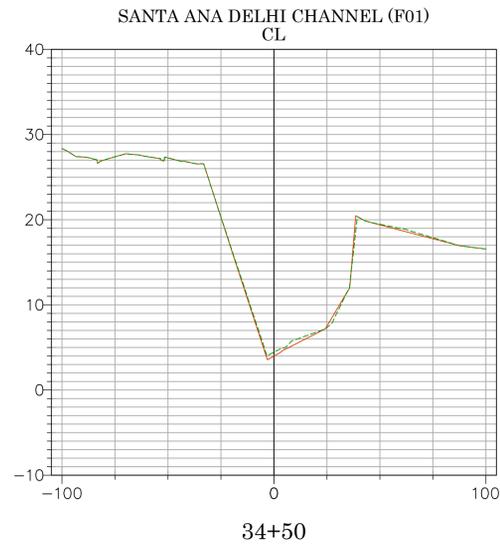
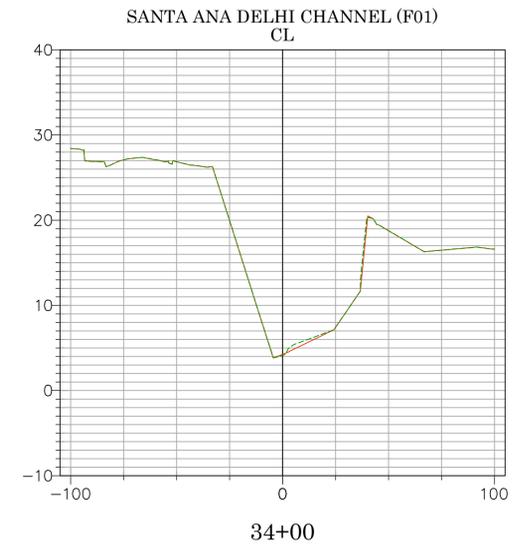
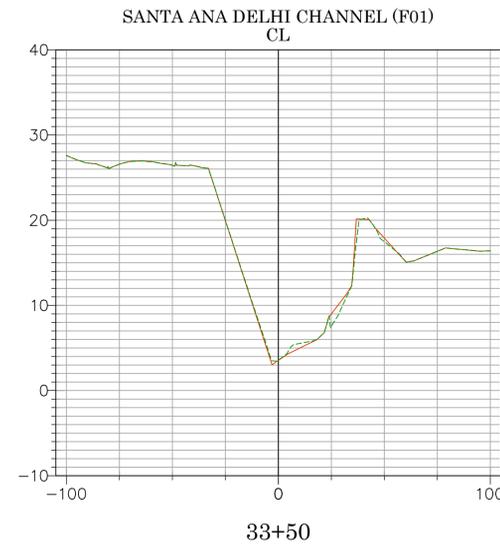
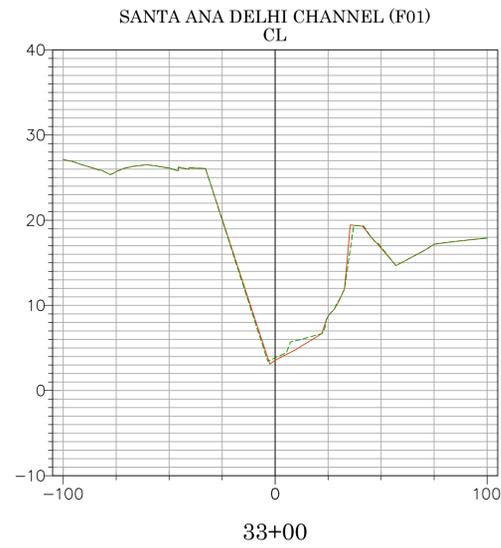
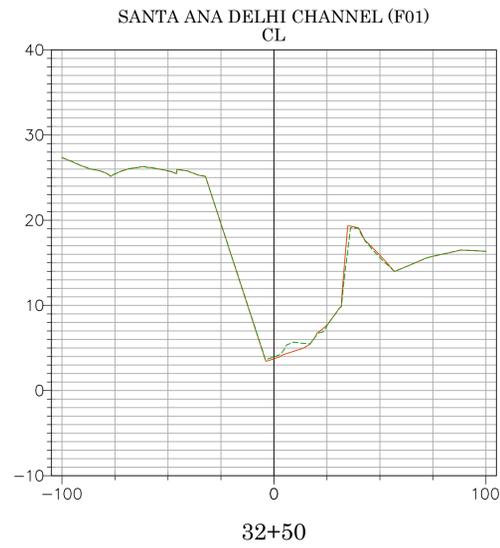
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| TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 FIXED COURSE L3 ON DETAIL B SHEET 6 ALIGNMENT LABEL UPDATE UPDATING TEXT CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT, CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE ADDING ENCUMBRANCE SHEET 8 | | COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY | |
| 12/30/25 TOPO UPDATE EARTHEN CHANNEL FROM 13+00 TO 0+00 AND SW'LY 1000' INTO MARSH. FIXED CENTERLINE ALIGNMENT AND RIGHT OF WAY ALONG WITH EASEMENTS FROM STATIONS 13+15.16 EC TO 0+01.00 SHTS 7 & 9 REVISED RIGHT OF WAY, FIXED FENCING, ADD BATHY, & LOCATED GAUGES | 06/25/25 10/22/24 7/24/23 6/29/23 7/12/22 5/19/22 | PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL. DATE OF SURVEY: 04/16/2020 MAPPING OFFICE CHECK FIELD CHECK SCALE: 1" = 40' W.O. #EF16404S FILE: #1920PW-IN0016 FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2025.DWG | SHEET NO. 24 of 26 |



2025 UPDATED TOPO
2020 ORIGINAL SURFACE
DATE PREPARED: 09/17/2025
Vert. Scale: 1"=30'
Hor. Scale: 1"=40'



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| TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 FIXED COURSE L3 ON DETAIL B SHEET 6 ALIGNMENT LABEL UPDATE UPDATING TEXT CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT, CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE ADDING ENCUMBRANCE SHEET 8 | | COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY | |
| 12/30/25 TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 AND SW'LY 1000' INTO MARSH. FIXED CENTERLINE ALIGNMENT AND RIGHT OF WAY ALONG WITH EASEMENTS FROM STATIONS 13+15.16 EC TO 0+01.00 SHTS 7 & 9 REVISED RIGHT OF WAY, FIXED FENCING, ADD BATHY, & LOCATED GAUGES | 06/25/25 TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 10/22/24 FIXED COURSE L3 ON DETAIL B SHEET 6 7/24/23 ALIGNMENT LABEL UPDATE 6/29/23 UPDATING TEXT 7/12/22 CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT, CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE 5/19/22 ADDING ENCUMBRANCE SHEET 8 | SECTIONS PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL. DATE OF SURVEY: 04/16/2020 BY: T. LOFGREEN & CREW MAPPING BY: H. AFTIM OFFICE CHECK BY: M. KUBISTY, PLS FIELD CHECK BY: T. LOFGREEN & CREW SCALE: 1" = 40' W.O. #EF16404S FILE #1920PW-IN0016 FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2025.DWG | |
| REVISIONS | | SHEET NO. 25 of 26 | |



2025 UPDATED TOPO
2020 ORIGINAL SURFACE
DATE PREPARED: 09/17/2025
Vert. Scale: 1"=30'
Hor. Scale: 1"=40'



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| TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 FIXED COURSE L3 ON DETAIL B SHEET 6 ALIGNMENT LABEL UPDATE UPDATING TEXT CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT, CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE ADDING ENCUMBRANCE SHEET 8 | | COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY | |
| 12/30/25 TOPO UPDATE EARTHEN CHANNEL FROM 13+00 TO 0+00 AND SW'LY 1000' INTO MARSH. FIXED CENTERLINE ALIGNMENT AND RIGHT OF WAY ALONG WITH EASEMENTS FROM STATIONS 13+15.16 EC TO 0+01.00 SHTS 7 & 9 REVISED RIGHT OF WAY, FIXED FENCING, ADD BATHY, & LOCATED GAUGES | 06/25/25 TOPO UPDATE EARTHEN CHANNEL FROM STATIONS 13+00 TO 36+00 | 10/22/24 FIXED COURSE L3 ON DETAIL B SHEET 6 | 7/24/23 ALIGNMENT LABEL UPDATE |
| 12/4/25 | 5/19/22 ADDING ENCUMBRANCE SHEET 8 | 6/29/23 UPDATING TEXT | 7/12/22 CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT, CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE |
| REVISIONS | | REVISIONS | |
| PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL. DATE OF SURVEY: 04/16/2020 MAPPING OFFICE CHECK FIELD CHECK SCALE: 1" = 40' W.O. #EF16404S FILE #1920PW-IN016 FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2025.DWG | | COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY | |
| | | SHEET NO. 26 of 26 | |