



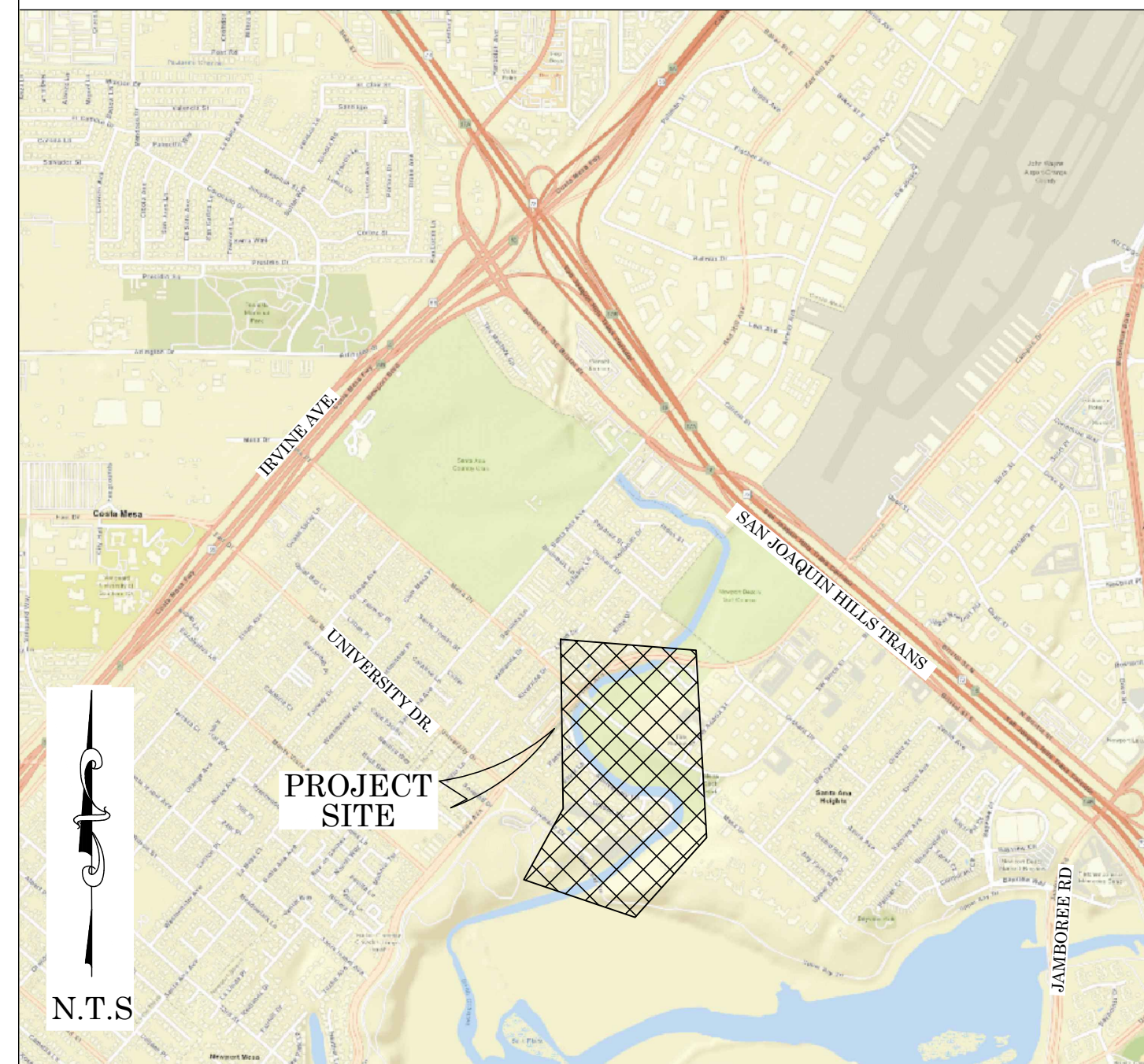
OC PUBLIC WORKS DEPARTMENT  
JAMES TREADAWAY, DIRECTOR OF PUBLIC WORKS  
KEVIN HILLS, COUNTY SURVEYOR



SANTA ANA DELHI CHANNEL (F01)

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

LOCATION MAP



SENIOR LAND SURVEYOR'S CERTIFICATE:

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS DAY OF 29 JUNE, 2023.

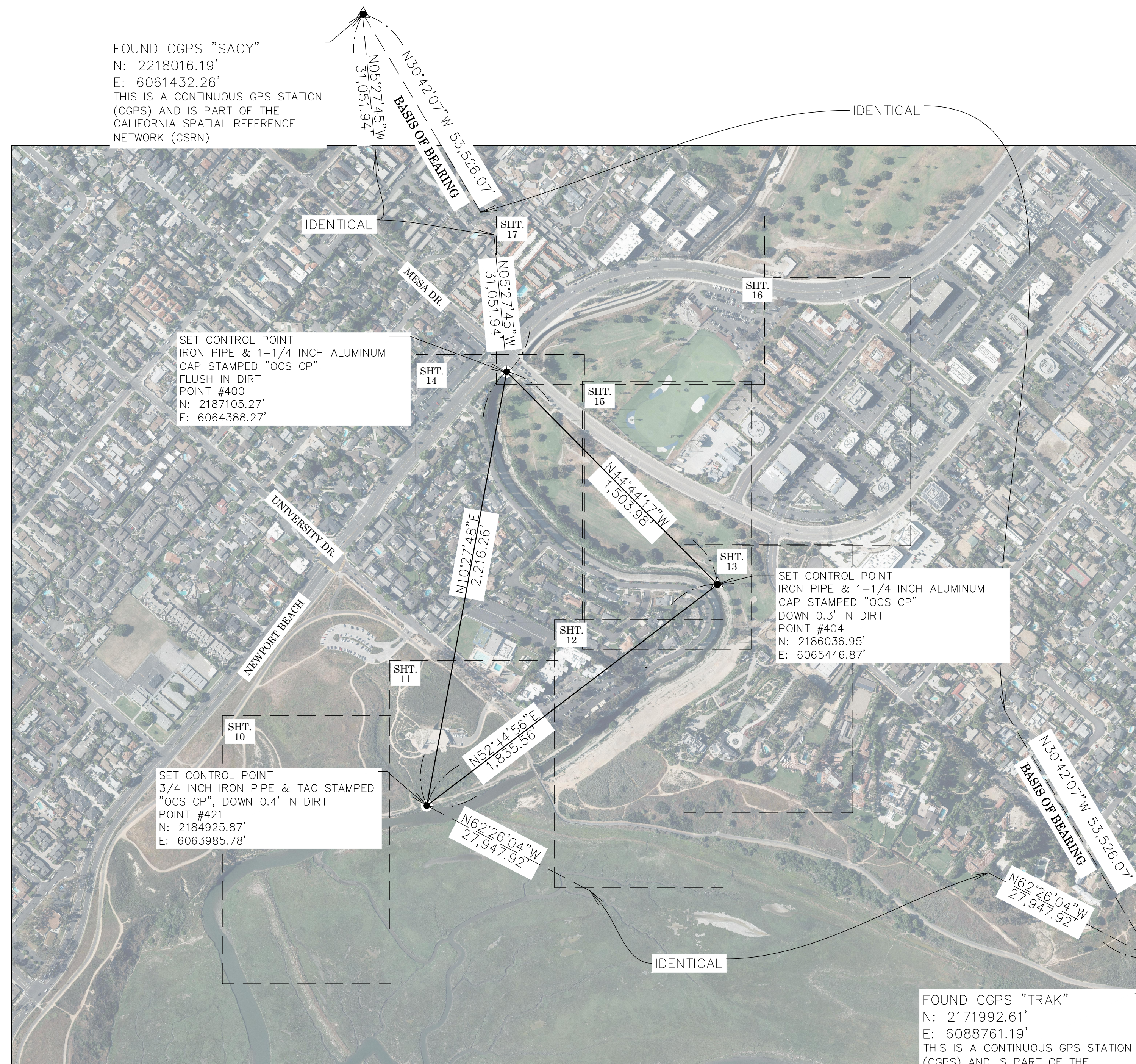
MICHAEL KUBISTY, PLS. SENIOR LAND SURVEYOR



DEPUTY COUNTY SURVEYOR'S STATEMENT:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS DAY OF 29 JUNE, 2023.

MICHAEL LAFONTAINE, PLS. DEPUTY COUNTY SURVEYOR



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 (CSRC) 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

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 CHANNEL (F01).

10/22/24		FIXED COURSE L3 ON DETAIL B SHEET 6	COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
7/24/23		ALIGNMENT LABEL UPDATE	SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY	
6/29/23		UPDATING TEXT	TITLE SHEET	
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	PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL.	
5/19/22		ADDING ENCUMBRANCE SHEET 8	DATE OF SURVEY: 04/21/2020 BY: T. LOFGREEN & PARTY	
MARK		DATE	OFFICE CHECK BY: M. KUBISTY, PLS.	
		ITEM	FIELD CHECK BY: T. LOFGREEN	
		REVISIONS	SCALE: N.T.S. W.O. # EF16404S FILE NO. 1920PW-IN0016	
			FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2020.DWG	

TOPOGRAPHIC MAPPING PROJECT



ESTABLISHMENT NOTES

- ESTABLISHED THE CENTERLINE OF MESA DRIVE BY HOLDING A LINE BETWEEN MONUMENTS AND .
- ESTABLISHED THE CENTERLINE BC OF MESA DRIVE BY HOLDING RECORD DISTANCE NW'LY FROM MONUMENT PER (R3).
- ESTABLISHED THE CENTERLINE OF IRVINE AVE. BY HOLDING A LINE BETWEEN MONUMENTS AND .
- S.F.N. ESTABLISHED THE CENTERLINE INTERSECTION OF MESA DRIVE AND ANNIVERSARY LN. BY HOLDING RECORD DISTANCE SW'LY ALONG LINE ESTABLISHMENT FROM MONUMENT , PER (R2).
- ESTABLISHED THE CENTERLINE OF ANNIVERSARY LN PER (R2) BY LEAST SQUARES ADJUSTMENT BETWEEN ESTABLISHMENT NOTE AND MONUMENT .
- ESTABLISHED THE CENTERLINE OF ANNIVERSARY LN PER (R2). BY LEAST SQUARES ADJUSTMENT BETWEEN MONUMENTS AND .
- ESTABLISHED THE CENTERLINE OF ANNIVERSARY LN PER (R2). BETWEEN MONUMENTS AND .
- ESTABLISHED THE CENTERLINE OF ANNIVERSARY LN PER (R2). BY LEAST SQUARES ADJUSTMENT BETWEEN MONUMENTS AND .
- ESTABLISHED THE CENTERLINE OF ANNIVERSARY LN BY PROLONGATION THE TANGENT LINE FROM THE SW'LY TERMINUS OF ESTABLISHMENT NOTE TO THE INTERSECTION WITH ESTABLISHMENT NOTE .
- ESTABLISHED THE E'LY RIGHT OF WAY OF ANNIVERSARY LN BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 25' E'LY OF ESTABLISHMENT PER (R2).
- ESTABLISHED THE E'LY RIGHT OF WAY OF ANNIVERSARY LN BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 25' E'LY OF ESTABLISHMENT PER (R2).
- ESTABLISHED THE E'LY RIGHT OF WAY OF ANNIVERSARY LN BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 25' E'LY OF ESTABLISHMENT PER (R2).
- ESTABLISHED THE E'LY RIGHT OF WAY OF ANNIVERSARY LN BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 25' E'LY OF ESTABLISHMENT PER (R2).
- ESTABLISHED THE THE CENTERLINE BC OF ANNIVERSARY LN PER (R2). BY LEAST SQUARES ADJUSTMENT BETWEEN ESTABLISHMENT NOTE AND MONUMENT .
- 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 FROM ESTABLISHMENT NOTE .
- ESTABLISHED THE POINT OF BEGINNING OF PARCEL 5, PER (R20) BY HOLDING A RECORD DISTANCE PER (R20) SE'LY FROM MONUMENT ALONG ESTABLISHMENT NOTE .
- ESTABLISHED THE CENTERLINE OF PARCELS 5,6 AND PORTION OF 7 OF (R20) BY HOLDING A RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION PER (R20) BETWEEN ESTABLISHMENT NOTES AND .
- ESTABLISHED THE SE'LY LINE OF TRACT 3068 BY HOLDING A LINE BETWEEN MONUMENTS AND .
- S.F.N. ESTABLISHED THE INTERSECTION OF THE W'LY LINE OF (R21) AND LINE ESTABLISHMENT BY HOLDING RECORD DISTANCE PER (R21) SE'LY FROM MONUMENT ALONG LINE ESTABLISHMENT .
- ESTABLISHED THE W'LY RIGHT OF WAY OF (R21) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION PER (R21). BETWEEN ESTABLISHMENTS AND .
- ESTABLISHED THE W'LY TERMINUS OF THAT COURSE DESCRIBED IN (R22) AS BEING THE INTERSECTION OF ESTABLISHMENT WITH A LINE THAT IS PARALLEL WITH, PERPENDICULAR TO, & 90' SW'LY OF ESTABLISHMENT NOTE , PER (R21).
- ESTABLISHED THE E'LY TERMINUS OF THAT COURSE DESCRIBED IN (R22) AS BEING THE INTERSECTION OF ESTBLISHMENT WITH A LINE THAT IS PARALLEL WITH, PERPENDICULAR TO, & 44' SW'LY OF ESTABLISHMENT NOTE , PER (R21).
- ESTABLISHED THE S'LY RIGHT OF WAY OF MESA DRIVE BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION BETWEEN ESTABLISHMENTS AND , PER (R24).
- ESTABLISHED THE INTERSECTION OF THE NE'LY LINE OF (R21) AND LINE ESTABLISHMENT BY HOLDING RECORD DISTANCE PER (R20) SE'LY FROM ESTABLISHMENT , ALONG LINE ESTABLISHMENT .

ESTABLISHMENT NOTES

- ESTABLISHED THE INTERSECTION OF THE NE'LY LINE OF (R21) AND LINE ESTABLISHMENT BY HOLDING RECORD DISTANCE PER (R21) SE'LY FROM ESTABLISHMENT , ALONG LINE ESTABLISHMENT .
- ESTABLISHED THE E'LY COURSE OF (R21) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION BETWEEN ESTABLISHMENT NOTES AND THE NE'LY TERMINUS OF LINE ESTABLISHMENT .
- ESTABLISHED THE INTERSECTION OF THE NE'LY LINE OF (R25) AND LINE ESTABLISHMENT BY HOLDING RECORD DISTANCE PER (R25) SE'LY FROM ESTABLISHMENT , ALONG LINE ESTABLISHMENT .
- ESTABLISHED THE NE'LY COURSE OF (R25) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION FROM ESTABLISHMENT NOTE .
- ESTABLISHED THE S'LY RIGHT OF WAY OF MESA DRIVE BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 43' S'LY OF ESTABLISHMENT PER (R23).
- ESTABLISHED THE S'LY LINE OF PARCEL 7 OF (R20) BY HOLDING LINE BETWEEN MONUMENTS AND .
- ESTABLISHED THE SW'LY TERMINUS OF PARCEL 7 OF (R20) BY HOLDING A RECORD DISTANCE PER (R20) SE'LY FROM MONUMENT ALONG ESTABLISHMENT NOTE .
- ESTABLISHED THE SW'LY TERMINUS OF A CURVE DESCRIBED IN PARCEL 7 OF (R20) HAVING RADIUS OF 2000' AND LENGTH OF 930.84' BY HOLDING A RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION PER (R20) FROM ESTABLISHMENT ALONG ESTABLISHMENT NOTE .
- ESTABLISHED THE CENTERLINE OF PARCEL 7 OF (R20) BY HOLDING A LINE BETWEEN ESTABLISHMENTS AND .
- ESTABLISHED THE SE'LY LINE OF (R21) BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 60' S'LY OF ESTABLISHMENT .
- ESTABLISHED THE NW'LY LINE OF PARCEL 2 OF (R21) BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 40' N'LY OF ESTABLISHMENT .
- ESTABLISHED THE BC OF PARCEL 2 OF (R21) BY HOLDING RECORD DISTANCE PER (R21) NE'LY MONUMENT ALONG ESTABLISHMENT .
- ESTABLISHED THE NW'LY LINE OF PARCEL 2 OF (R21) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION FROM ESTABLISHMENT NOTE TO THE INTERSECTION OF A POINT ON THE CURVE IN THE NW'LY LINE OF PARCEL 6 OF (R20), SAID POINT CALLED FOR IN (R20). HAVING RADIUS OF 430', A RADIAL LINE BEARING N41°28'54"W.
- ESTABLISHED THE INTERSECTION OF THE NE'LY LINE OF (R28) AND LINE ESTABLISHMENT BY HOLDING RECORD DISTANCE PER (R28) SE'LY FROM ESTABLISHMENT , ALONG LINE ESTABLISHMENT .
- ESTABLISHED THE COURSE OF (R28) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION PER (R28). BETWEEN ESTABLISHMENT NOTES AND .
- ESTABLISHED THE N'LY COURSE OF PARCEL 1 OF (R31) AND NW'LY BOUNDARY OF LAND DESCRIBED IN (R32) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION FROM ESTABLISHMENT NOTE AND NE'LY MONUMENT , PER (R31).
- ESTABLISHED THE N'LY COURSE OF PARCEL 2 OF (R31) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION SW'LY FROM MONUMENT TO THE INTERSECTION OF N'LY ESTABLISHMENT , PER (R31).
- ESTABLISHED THE SE'LY LINE OF PARCEL 1 OF (R31) BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 30' S'LY OF ESTABLISHMENT .
- ESTABLISHED THE SE'LY LINE OF PARCEL 2 OF (R31) BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 30' SE'LY OF ESTABLISHMENT .
- ESTABLISHED THE S'LY COURSE OF (R35) BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 132' S'LY OF ESTABLISHMENT , TO THE INTERSECTION OF SE'LY ESTABLISHMENT , TO THE INTERSECTION OF SW'LY ESTABLISHMENT , PER (R35).
- S.F.N. ESTABLISHED THE INTERSECTION OF NW'LY LINE OF (R36) AND ESTABLISHMENT BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION SW'LY FROM ESTABLISHMENT ALONG ESTABLISHMENT , PER (R37).
- ESTABLISHED THE S'LY COURSE OF (R38) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION BETWEEN ESTABLISHMENT NOTE AND MONUMENT , PER (R38).

ESTABLISHMENT NOTES

- ESTABLISHED THE COURSE OF (R32) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION BETWEEN MONUMENTS AND , PER (R32).
- ESTABLISHED THE E'LY RIGHT OF WAY BC BY HOLDING A RECORD DIMENSION PARALLEL WITH, PERPENDICULAR TO, & 25' E'LY OF ESTABLISHMENT NOTE .
- ESTABLISHED THE SW'LY LINE OF (R39) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION BETWEEN MONUMENTS AND TO THE INTERSECTION OF S'LY ESTABLISHMENT , PER (R39).
- ESTABLISHED THE SE'LY TERMINUS OF THAT COURSE DESCRIBED IN (R28) AS BEING THE INTERSECTION OF ESTABLISHMENT 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).
- S.F.N. ESTABLISHED THE CENTERLINE INTERSECTION OF MESA DRIVE AND BIRCH STREET BY LEAST SQUARES ADJUSTMENT OF RECORD TIE DIMENSIONS PER (R30) FROM MONUMENTS , , , AND .
- ESTABLISHED BY INTERSECTION BETWEEN ESTABLISHMENT NOTES AND .
- ESTABLISHED THE CENTERLINE OF UNIVERSITY DRIVE PER (R1). BY HOLDING A RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION PER (R1) SE'LY FROM MONUMENT IN BETWEEN ESTABLISHMENT NOTE AND MONUMENT .
- ESTABLISHED BY INTERSECTION BETWEEN ESTABLISHMENT NOTES AND .
- S.F.N ESTABLISHED BY TIES PER (R45).
- 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 PER (R41).
- ESTABLISHED THE CENTERLINE OF UNIVERSITY DRIVE PER (R1). BY HOLDING A RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION PER (R1) SE'LY FROM ESTABLISHMENT .
- ESTABLISHED THE N'LY RIGHT OF WAY OF UNIVERSITY DRIVE BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 50' N'LY OF ESTABLISHMENT . .
- ESTABLISHED THE SW'LY CORNER OF LOT Y OF (R29) BY HOLDING RECORD DISTANCE OF 985.20' PER (R29) SW'LY FROM MONUMENT ALONG ESTABLISHMENT PER (R29).
- ESTABLISHED STATION F OF (R29) BY HOLDING RECORD ANGLE AND DISTANCE OF 1596.07' PER (R29) SE'LY FROM ESTABLISHMENT NOTE .
- ESTABLISHED THE CENTERLINE OF ACACIA ST BY HOLDING A LINE BETWEEN MONUMENTS AND .


		COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
<div><div><div>5</div></div><div>10/22/24</div></div> <div><div><div>4</div></div><div>7/24/23</div></div> <div><div><div>3</div></div><div>6/29/23</div></div> <div><div><div>2</div></div><div>7/12/22</div></div> <div><div><div>1</div></div><div>5/19/22</div></div>		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		SANTA ANA DELHI CHANNEL (F01)	
MARK		DATE	ITEM	BOUNDARY AND RIGHT OF WAY ESTABLISHMENT SHEETS	
				PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE.	
				TO: 800' WESTERLY OF BIKE BRIDGE OF 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: N.T.S.	W.O. #EF164045
					FILE #1920PW-IN0016
REVISIONS				FILE: SANTA_ANA_DELHI_CHANNEL_(F01)_BOUNDARY_2020.DWG	
SHEET NO. 2 of 17					

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 
- 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. N03°19'16"E 0.05' FROM CENTERLINE BC OF ANNIVERSARY LN.
- 9

FOUND GEAR SPIKE, PER (R1), DOWN 0.05' IN A/C, ACCEPTED AS CENTERLINE EC OF ANNIVERSARY LN.
- 10

FOUND GEAR SPIKE, PER (R1), DOWN 0.05' IN A/C, S40°55'04"E 0.27' FROM CENTERLINE BC OF ANNIVERSARY LN.
- 11

FOUND GEAR SPIKE, PER (R1), DOWN 0.10' IN A/C, ACCEPTED AS CENTERLINE EC OF ANNIVERSARY LN.
- 12

FOUND GEAR SPIKE, PER (R1), FLUSH IN A/C, ACCEPTED AS CENTERLINE BC OF ANNIVERSARY LN.
- 13

FOUND GEAR SPIKE, PER (R1), FLUSH IN A/C, ACCEPTED AS CENTERLINE EC OF ANNIVERSARY LN.
- 14

FOUND GEAR SPIKE, PER (R1), DOWN 0.05' IN A/C, ACCEPTED AS CENTERLINE BC OF ANNIVERSARY LN.
- 15

FOUND GEAR SPIKE, PER (R1), DOWN 0.05' IN A/C, ACCEPTED AS A CENTERLINE EC OF ANNIVERSARY LN.
- 16

FOUND 2" IRON PIPE, NAIL AND 1 1/4 " TAG STAMPED "OCS", PER (R1), DOWN 0.4' IN AC, ACCEPTED AS A CENTERLINE POINT OF ANNIVERSARY LN. AND A POINT ON SE'LY LINE OF TR 3068.
- 17

FOUND 2" IRON PIPE, NAIL AND 1 1/4 " TAG STAMPED "OCS", PER (R1), DOWN 0.4' IN DIRT, 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 "OCS", 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 "OCS", 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 "OCS", 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 "OCS", 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 "OCS", 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 'OCS', PER (R1), DOWN 0.1' IN DIRT, N24°24'13"E 0.03' FROM E'LY RIGHT OF WAY EC. OF ANNIVERSARY LN.
- 24


FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R1), DOWN 1.1' IN DIRT, N73°59'39"E 0.29' FROM EC ESTABLISHMENT NOTE 
- 25


FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R1), DOWN 2.0' IN DIRT, N47°18'38"E 0.29' FROM BC ESTABLISHMENT NOTE 
- 26


FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R1), DOWN 0.4' IN DIRT, N32°15'10"E 0.24' FROM EC ESTABLISHMENT NOTE 
- 27


FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R1), DOWN 0.4' IN DIRT, N18°29'07"E 0.24' FROM BC ESTABLISHMENT NOTE 
- 28

FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R1), DOWN 0.8' IN DIRT, N66°30'25"W 0.06' FROM EC ESTABLISHMENT NOTE 
- 29

FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R1), FLUSH IN DIRT, N00°46'29"E 0.43' FROM ESTABLISHMENT NOTE 
- 30


FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R1), DOWN 1.1' IN DIRT, ACCEPTED AS BC OF ESTABLISHMENT NOTE 
- 31


FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R1), DOWN 0.8' IN DIRT, ACCEPTED AS PCC OF ESTABLISHMENT NOTE 
- 32


FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R1), DOWN 0.6' IN DIRT, S57°40'59"E 0.06' FROM PCC ESTABLISHMENT NOTE 



MONUMENT NOTES


- 33



FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R27), DOWN 0.5' IN DIRT, ACCEPTED AS BC OF ESTABLISHMENT NOTE 
- 34

FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R1), DOWN 0.2' IN DIRT, N27°51'14"W 0.05' FROM BC ESTABLISHMENT NOTE 
- 35

FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R1), DOWN 0.4' IN DIRT, N61°31'01"E 0.20' FROM EC ESTABLISHMENT NOTE 
- 36

FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R27), DOWN 0.6' IN DIRT, S66°04'40"E 0.06' FROM THE INTERSECTION BETWEEN ESTABLISHMENT NOTES  AND 
- 37


FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R27), DOWN 0.8' IN DIRT, S59°35'45"E 0.1' FROM BC ESTABLISHMENT NOTE 
- 38


FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R27), DOWN 0.3' IN DIRT, S54°41'07"E 0.33' FROM THE INTERSECTION BETWEEN ESTABLISHMENT NOTES  AND 
- 39

FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R1), DOWN 0.6' IN DIRT, S16°26'56"E 0.07' FROM SW'LY CORNER OF PARCEL 1 OF (R22)
- 40

FOUND 4"x4" CONC. MON. WITH LEAD AND BRASS NAIL, PER (R1), DOWN 1.4' IN DIRT, S67°13'07"W 0.38' FROM S'LY TERMINUS OF TIE LINE CALLED FOR IN (R20).
- 41

FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R1), FLUSH IN DIRT, ACCEPTED AS NW'LY CORNER OF PARCEL 2 OF (R22)
- 42

FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R1), DOWN 0.4' IN DIRT, S41°08'01"E 1.34' FROM BC ESTABLISHMENT NOTE 
- 43

FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R1), DOWN 0.2' IN DIRT, S35°09'02"E 1.33' FROM EC ESTABLISHMENT NOTE 
- 44


FOUND LEAD, BRASS NAIL W/TAG, STAMPED "O.C.S. TIE", FLUSH IN CONCRETE CURB, ACCEPTED FOR TIES PER (R30).
- 45



FOUND LEAD, BRASS NAIL W/TAG, STAMPED "O.C.S. TIE", FLUSH IN CONCRETE CURB, ACCEPTED FOR TIES PER (R30).
- 46


FOUND LEAD, BRASS NAIL W/TAG, STAMPED "O.C.S. TIE", FLUSH IN CONCRETE CURB, ACCEPTED FOR TIES PER (R30).
- 47



FOUND LEAD, BRASS NAIL W/TAG, STAMPED "O.C.S. TIE", FLUSH IN CONCRETE CURB, ACCEPTED FOR TIES PER (R30).
- 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 'OCS', PER (R27), DOWN 0.3' IN DIRT, N26°11'27"W 0.10' FROM EC ESTABLISHMENT NOTE 
- 50


FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R27), DOWN 0.4' IN DIRT, S60°31'07"W 0.24' FROM THE INTERSECTION BETWEEN ESTABLISHMENT NOTES  AND 
- 51


FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R27), DOWN 0.4' IN DIRT, N65°17'24"W 0.04' FROM EC ESTABLISHMENT NOTE 
- 52




FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R27), DOWN 2.30' IN DIRT, ACCEPTED AS EC ESTABLISHMENT NOTE  AND BC ESTABLISHMENT NOTE 
- 53


FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R27), DOWN 0.85' IN DIRT, ACCEPTED AS THE INTERSECTION BETWEEN ESTABLISHMENT NOTES  AND 
- 54


FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R27), DOWN 0.90' IN DIRT, ACCEPTED AS BC ESTABLISHMENT NOTE 
- 55

FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R27), DOWN 1.40' IN DIRT, N38°07'38"W 0.07' FROM EC ESTABLISHMENT NOTE 
- 56

FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R27), DOWN 0.80' IN DIRT, ACCEPTED AS BC ESTABLISHMENT NOTE 
- 57


FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R27), DOWN 0.80' IN DIRT, ACCEPTED AS POINT ON ESTABLISHMENT NOTE  AND N12°19'24"E 0.16' FROM INTERSECTION BETWEEN ESTABLISHMENT NOTES  AND 
- 58


FOUND 1 1/2" IRON PIPE AND TAG STAMPED 'LS 6042', PER (R36), DOWN 0.20' IN DIRT, S51°02'41"E 0.04' FROM EC ESTABLISHMENT NOTE 
- 59


FOUND 1 1/2" IRON PIPE AND TAG STAMPED 'LS 6042', PER (R36), DOWN 0.20' IN DIRT, S17°38'00"E 0.03' FROM ESTABLISHMENT NOTE 


MONUMENT NOTES


- 60



FOUND 1 1/2" IRON PIPE AND TAG STAMPED 'LS 6042', PER (R36), DOWN 0.20' IN DIRT, ACCEPTED AS A POINT ON ESTABLISHMENT NOTE 
- 61



FOUND 1 1/2" IRON PIPE AND TAG STAMPED 'LS 6042', PER (R36), DOWN 0.20' IN DIRT, S79°28'50"E 0.06' FROM ESTABLISHMENT NOTE 
- 62


FOUND 1 1/2" IRON PIPE AND TAG STAMPED 'LS 6042', PER (R36), FLUSH IN DIRT, S77°54'52"E 0.06' FROM ESTABLISHMENT NOTE 
- 63


FOUND 1 1/2" IRON PIPE AND TAG STAMPED 'LS 6042', PER (R36), FLUSH IN DIRT, S77°54'52"E 0.06' FROM ESTABLISHMENT NOTE 
- 64




FOUND 1 1/2" IRON PIPE AND TAG STAMPED 'LS 6042', PER (R36), DOWN 0.3' IN DIRT, S61°48'54"E 0.08' FROM ESTABLISHMENT NOTE 
- 65


FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R27), DOWN 0.1' IN DIRT, ACCEPTED AS INTERSECTION BETWEEN ESTABLISHMENT NOTES  AND 
- 66



FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R27), DOWN 0.15' IN DIRT, ACCEPTED AS INTERSECTION BETWEEN ESTABLISHMENT NOTES  AND 
- 67



FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R27), DOWN 0.6' IN DIRT, N64°09'06"W 0.03' FROM EC ESTABLISHMENT NOTE 
- 68

FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R27), DOWN 0.3' IN DIRT, N28°04'46"E 0.09' FROM BC ESTABLISHMENT NOTE 
- 69

FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R27), FLUSH IN DIRT, ACCEPTED AS THE SE'LY LINE ESTABLISHMENT  AND S61°46'08"E 0.28' FROM THE INTERSECTION BETWEEN ESTABLISHMENT NOTES  AND 
- 70

FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R27), DOWN 0.2' IN DIRT, ACCEPTED AS BC ESTABLISHMENT NOTE 
- 71






FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R27), DOWN 0.1' IN DIRT, S33°57'05"W 0.07' FROM THE INTERSECTION BETWEEN ESTABLISHMENT NOTES  AND 
- 72

FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R27), DOWN 1.7' IN DIRT, N63°34'25"W 0.05' FROM THE INTERSECTION BETWEEN ESTABLISHMENT NOTES  AND 
- 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.

<div><div></div><div>10/22/24</div></div> <div><div></div><div>7/24/23</div></div> <div><div></div><div>6/29/23</div></div> <div><div></div><div>7/12/22</div></div> <div><div></div><div>5/19/22</div></div>		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 F01 CHANNEL.		
MARK		DATE	ITEM	TOPOGRAPHIC MAPPING OFFICE CHECK FIELD CHECK SCALE: N.T.S.   W.O. #EF16404S	BY: T. LOFGREEN & PARTY BY: H. AFTIM BY: M. KUBISTY BY: T. LOFGREEN & PARTY FILE #1920PW-IN0016
SANTA ANA_DELHI CHANNEL (F01)_BOUNDARY_2020.DWG				SHEET NO. 3 of 17	



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)
C12	8°03'58"	2059.95'	290.00'	(24°30'21" R27)	(2060.00' R27)	(289.92' R27)
C13	50°58'12"	169.99'	169.01'	(50°58'10" R21)	(190.00' R21)	(169.02' R21)
C14	8°53'46"	2109.95'	327.60'	(M&R CR31)	(2110.00' R31)	(M&R CR31)
C15	0°32'25"	2109.95'	19.89'	(M&R CR31)	(2110.00' CR31)	(M&R CR31)
C16	0°32'25"	2079.95'	19.61'	(0°32'25" R31)	(2080.00' R31)	(M&R R31)
C17	3°38'46"	799.98'	50.91'	(03°38'50" R27)	(800.00' R27)	(50.93' R27)
C18	0°48'02"	799.98'	11.18'	(00°47'56" R27)	(800.00' R27)	(11.15' R27)
C19	10°15'22"	499.99'	89.50'	(10°15'20" R2)	(500.00' R31)	(89.50' R31)
C20	10°15'22"	469.99'	84.13'	(M&R CR31)	(470.00' CR31)	(M&R CR31)

CURVE TABLE						
CURVE #	DELTA	RADIUS	LENGTH	RECORD DELTA	RECORD RADUIS	RECORD LENGTH
C21	9°23'14"	2079.95'	340.77'	(M&R CR31)	(2080.00' CR31)	(M&R CR31)
C22	27°35'02"	239.99'	115.54'	(27°34'55" R21)	(240.00' R21)	(M&R R21)
C23	27°34'59"	299.99'	144.42'	(M&R R20)	(300.00' R20)	(M&R R20)
C24	16°38'14"	329.99'	95.82'	(16°38'09" R21)	(330.00' R21)	(M&R R21)
C25	18°11'23"	718.36'	228.06'	(18°11'25" R21)	(718.40' R21)	(280.78' R21)
C26	27°25'02"	277.71'	132.89'	(27°24'55" R20)	(277.72' R20)	(M&R R20)
C27	50°58'12"	175.99'	156.56'	(M&R CR25)	(176.00' CR25)	(M&R CR25)
C28	0°39'55"	2061.95'	23.94'	(00°39'21" R27)	(2062.00' R27)	(23.61' R27)
C29	0°58'18"	2061.95'	34.96'	(00°58'18" R27)	(2062.00' R27)	(34.97' R27)
C30	2°17'50"	2061.95'	82.67'	(02°17'50" R27)	(2062.00' R27)	(82.66' R27)
C31	18°47'52"	399.99'	131.23'	(18°47'50" R20)	(400.00' R20)	(M&R R20)
C32	2°58'42"	499.99'	25.99'	(M&R CR31)	(500.00' CR31)	(M&R CR31)
C33	13°48'43"	499.99'	120.53'	(16°47'23" R31)	(500.00' R31)	(M&R CR31)

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 RECRETATIONAL 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).

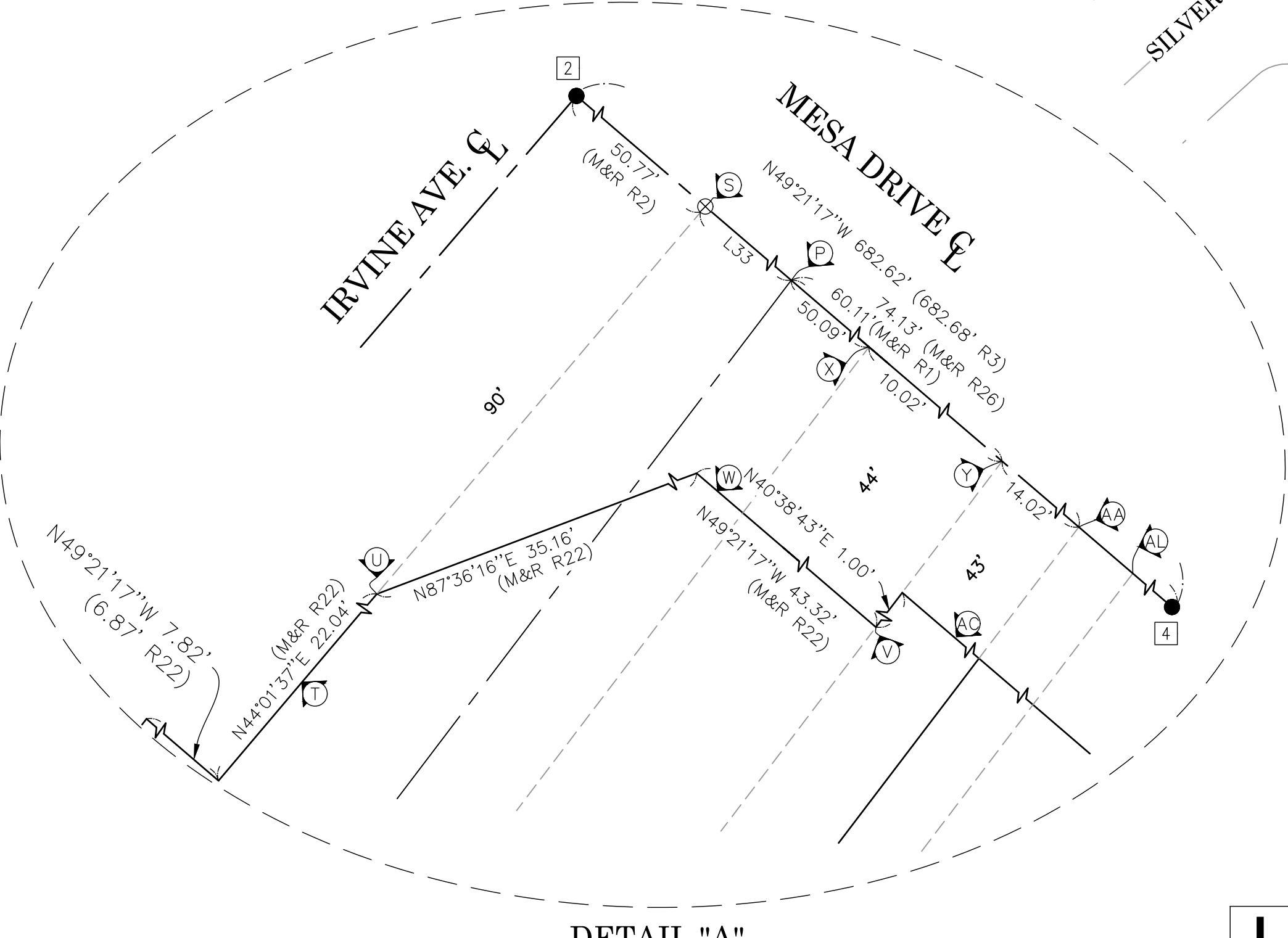
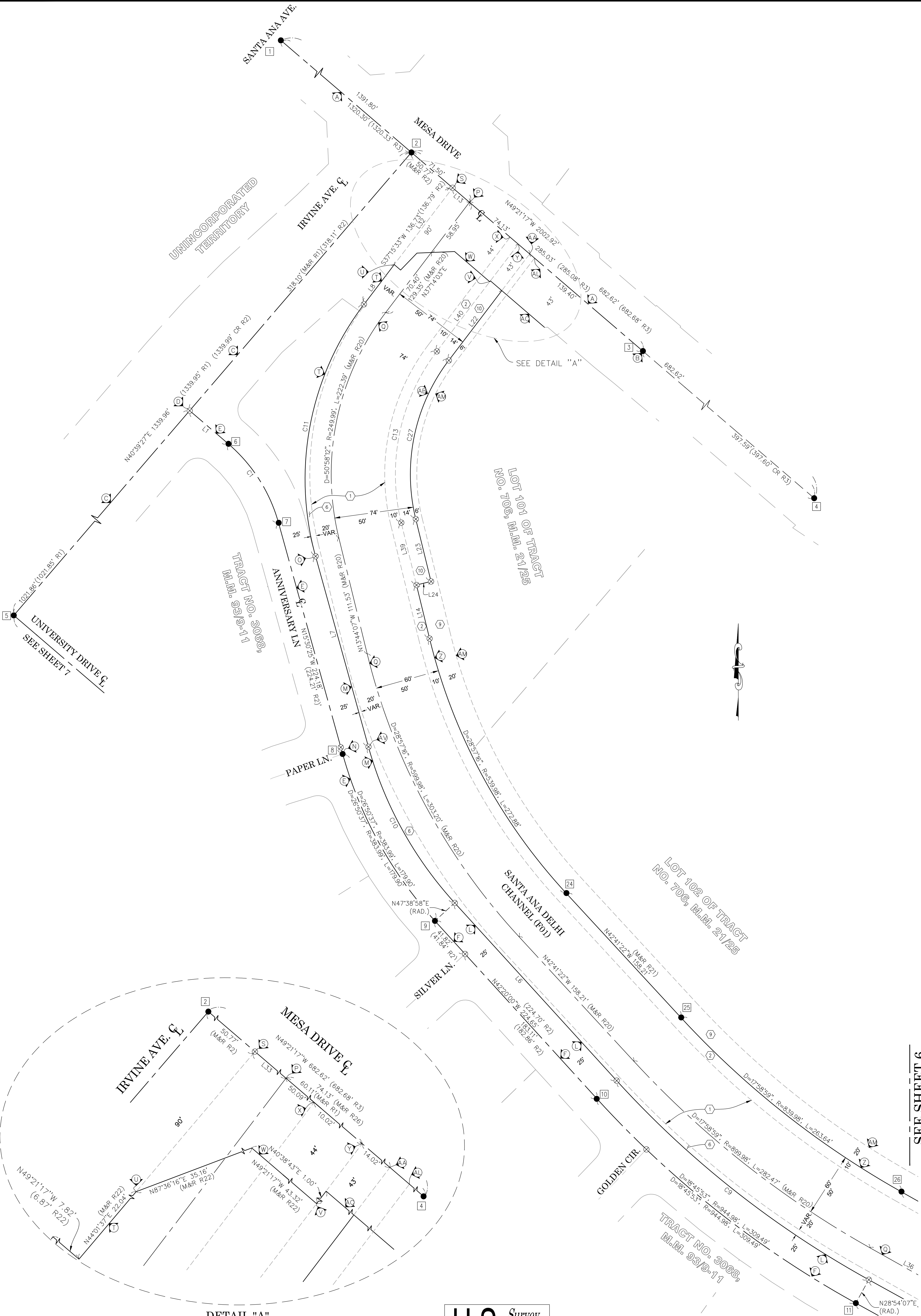
LINE TABLE				
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE	
L1	N49°21'37"W	47.70'	47.78' (R2)	
L2	S46°40'00"W	8.73'	8.68' (R2)	
L3	N62°51'36"W	26.55'	26.46' (R1)	
L4	N88°14'26"W	260.40'	(M&R R2)	
L5	N61°05'20"W	133.18'	133.20' (R2)	
L6	N42°20'00"W	224.94'	224.70' (R2)	
L7	N15°30'25"W	184.81'	(M&R R1)	
L8	S37°15'33"W	46.57'	46.69' (R40)	
L9	N11°57'16"W	1.66'	(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)	
L15	N66°50'35"W	13.41'	(M&R R27)	
L16	N60°40'22"W	84.33'	(M&R R21)	
L17	N40°37'43"E	130.21'	(M&R R31)	
L18	N71°44'48"E	29.24'	(M&R R21)	
L19	S16°19'53"E	40.00'	(M&R R21)	
L20	S16°19'53"E	60.00'	(M&R R21)	

LINE TABLE				
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE	
L21	N49°21'48"E	310.31'	(310.32' R21)	
L22	N37°14'03"E	81.86'	(81.85' R40)	
L23	N13°44'07"W	60.00'	(M&R R25)	
L24	S76°15'53"W	14.00'	(M&R CR25)	
L25	N49°13'59"W	19.78'	(19.71' R27)	
L26	N49°13'59"W	30.22'	(M&R R27)	
L27	N49°13'59"W	21.84'	(21.91' R27)	
L28	N47°09'46"E	244.33'	(244.34' R31)	
L29	N47°09'46"E	244.33'	(244.34' CR31)	
L30	N57°25'06"E	226.30'	(M&R CR31)	
L31	N57°25'06"E	186.34'	(M&R CR31)	
L32	S37°15'33"W	90.16'	(M&R R40)	
L33	S29°23'54"W	56.00'	(M&R R38)	
L34	S13°11'06"W	24.03'	(M&R CR38)	
L35	S13°11'06"W	43.97'	(M&R CR38)	
L36	N60°40'22"W	84.33'	(M&R R20)	
L37	N57°25'06"E	226.10'	(M&R CR31)	
L38	N49°21'48"E	57.13'	(57.14' R27)	
L39	N13°44'07"W	60.00'	(M&R CR21)	
L40	N37°14'03"E	125.77'	(M&R CR21)	

		COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
<div><div>5</div></div>	10/22/24	FIXED COURSE L3 ON DETAIL B SHEET 6			
<div><div>4</div></div>	7/24/23	ALIGNMENT LABEL UPDATE			
<div><div>3</div></div>	6/29/23	TEXT UPDATE			
<div><div>2</div></div>	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			
<div><div>1</div></div>	5/19/22	ADDED ENCUMBRANCE SHEET 8			
MARK	DATE	ITEM			
REVISIONS					

BOUNDARY AND RIGHT OF WAY ESTABLISHMENT SHEETS					
PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE. TO: 800' WESTERLY OF BIKE BRIDGE OF OVER F01 CHANNEL.					
DATE OF SURVEY: 04/16/2020		BY: T. LOFGREEN & PARTY		SHEET NO.  4 of 17	
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-IN0016			
FILE: SANTA ANA_DELHI CHANNEL (F01)_BOUNDARY_2020.DWG					





NOTES

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

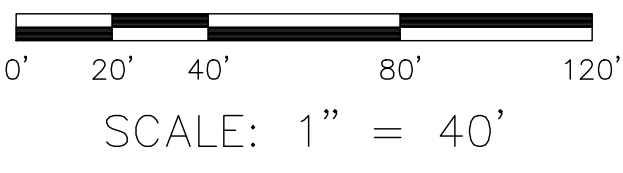
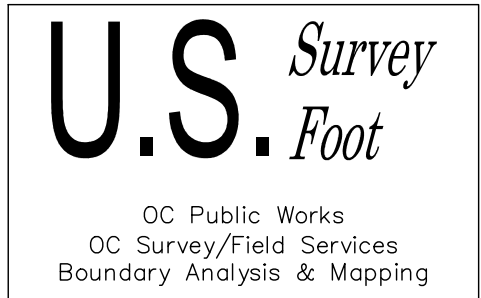
RECORD DISTANCES SHOWN HERON ARE AS THEY APPEAR ON THE DOCUMENT OF RECORD. DISTANCES MAY BE EITHER GRID OR GROUND, AS PER SAID RECORD.

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

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

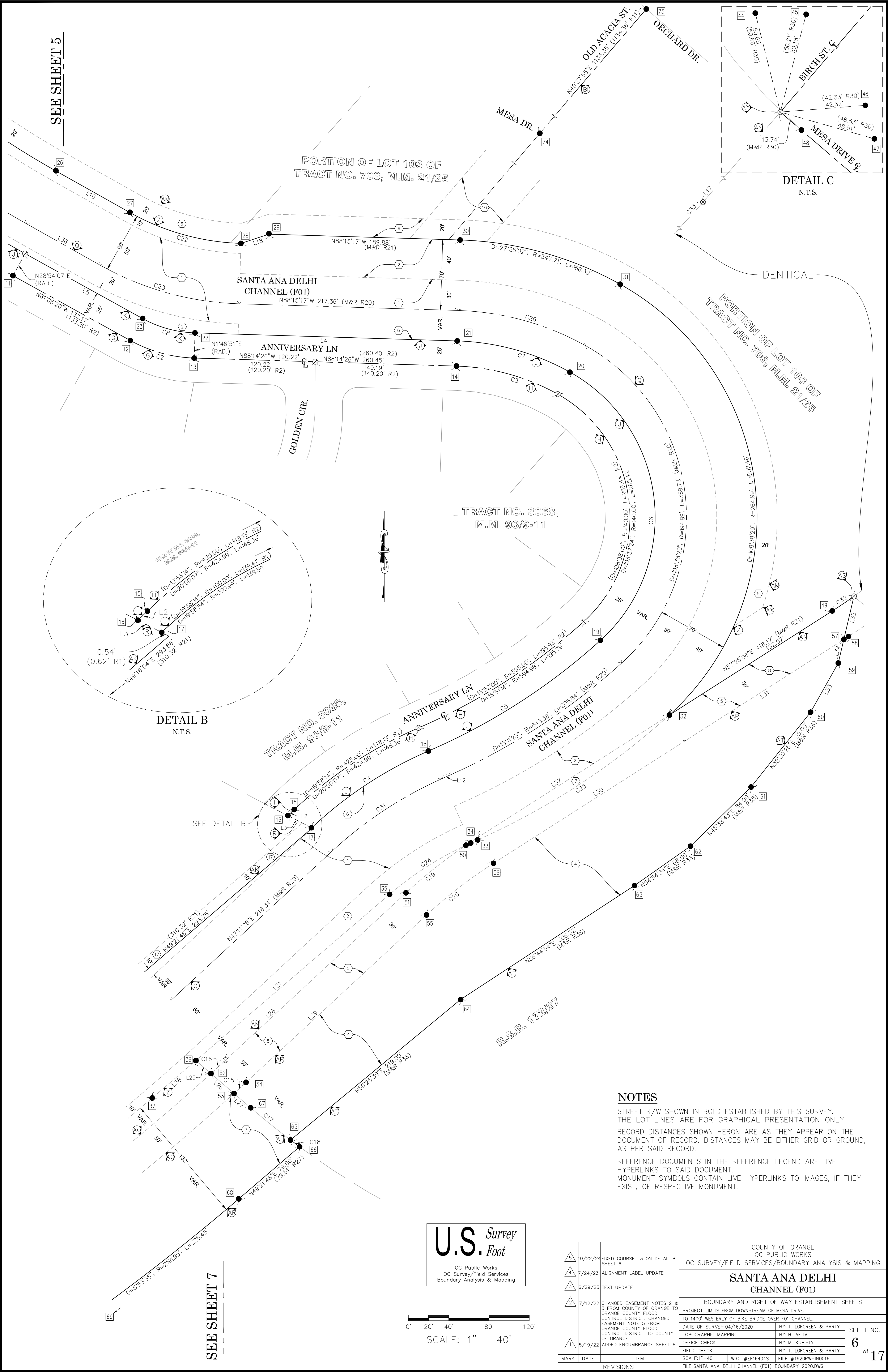
LEGEND

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



<div>5</div>	10/22/24	FIXED COURSE L3 ON DETAIL B SHEET 6	COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
<div>4</div>	7/24/23	ALIGNMENT LABEL UPDATE	SANTA ANA DELHI CHANNEL (F01)		
<div>3</div>	6/29/23	TEXT UPDATE			
<div>2</div>	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			
<div>1</div>	5/19/22	ADDED ENCUMBRANCE SHEET 8	BOUNDARY AND RIGHT OF WAY ESTABLISHMENT SHEETS		
MARK      DATE      ITEM			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		
			BY: T. LOFGREEN & PARTY		SHEET NO.  5 of 17
			BY: H. AFTIM		
			BY: M. KUBISTY		
			BY: T. LOFGREEN & PARTY		
REVISIONS			SCALE: 1"=40'      W.O. #EF16404S      FILE #1920PW-IN0016		
			FILE: SANTA ANA_DELHI_CHANNEL (F01)_BOUNDARY_2020.DWG		





NOTES

STREET R/W SHOWN IN BOLD ESTABLISHED BY THIS SURVEY.  
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MONUMENT SYMBOLS CONTAIN LIVE HYPERLINKS TO IMAGES, IF THEY EXIST, OF RESPECTIVE MONUMENT.

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

0' 20' 40' 80' 120'  
SCALE: 1" = 40'

<div>5</div>	10/22/24	FIXED COURSE L3 ON DETAIL B SHEET 6	COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
<div>4</div>	7/24/23	ALIGNMENT LABEL UPDATE	SANTA ANA DELHI CHANNEL (F01)			
<div>3</div>	6/29/23	TEXT UPDATE				
<div>2</div>	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	BOUNDARY AND RIGHT OF WAY ESTABLISHMENT SHEETS			
<div>1</div>	5/19/22	ADDED ENCUMBRANCE SHEET 8	PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE. TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL.			SHEET NO.  6 of 17
			DATE OF SURVEY: 04/16/2020			
			TOPOGRAPHIC MAPPING			
			OFFICE CHECK			
			FIELD CHECK			
			SCALE: 1"=40'			
MARK	DATE	ITEM	W.O. #EF164045			FILE #1920PW-IN0016
REVISIONS			FILE: SANTA_ANA_DELHI_CHANNEL (F01)_BOUNDARY_2020.DWG			

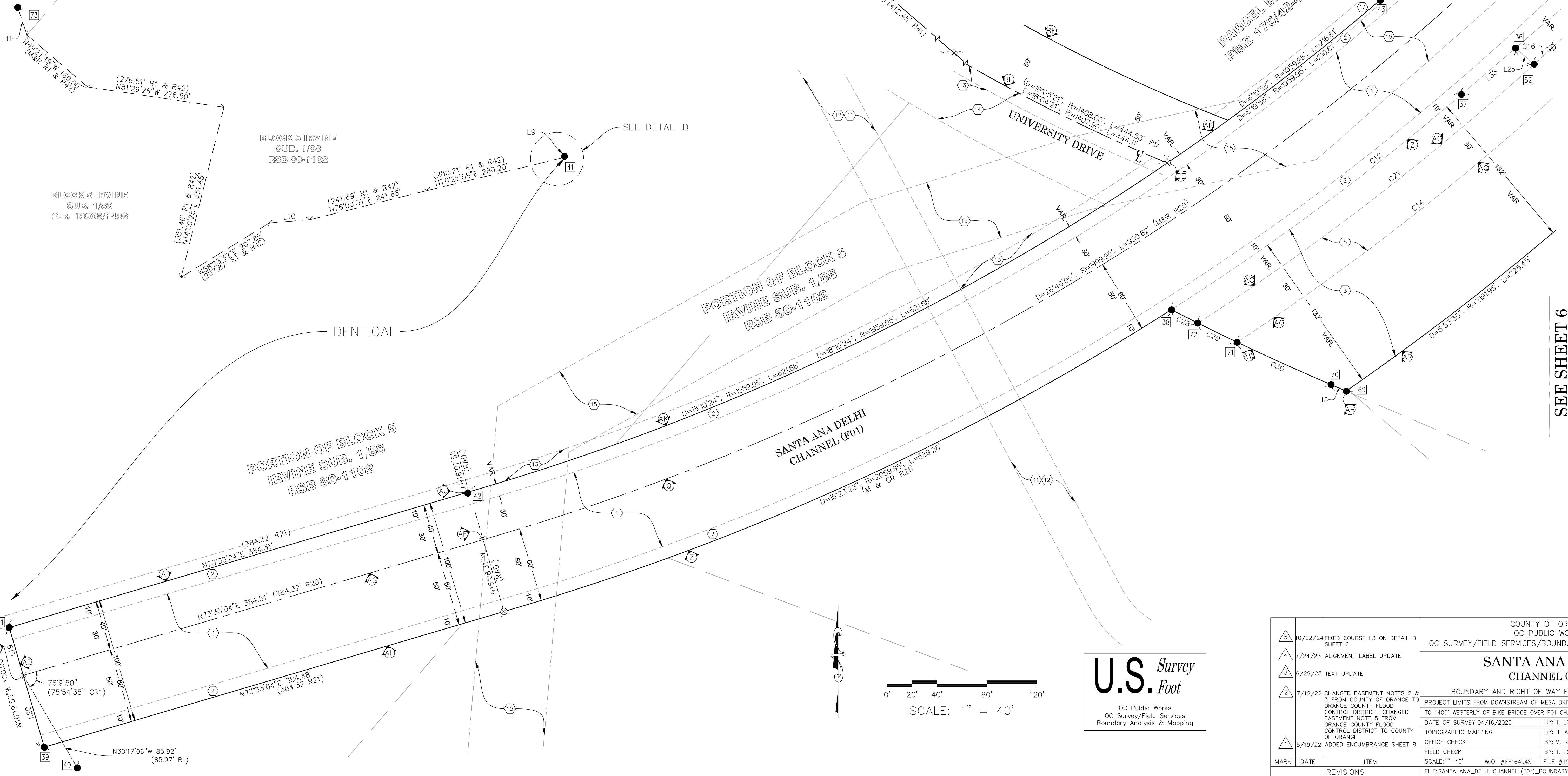


STREET R/W SHOWN IN BOLD ESTABLISHED BY THIS SURVEY.  
THE LOT LINES ARE FOR GRAPHICAL PRESENTATION ONLY.

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

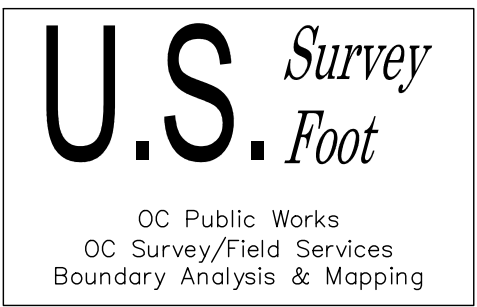
REFERENCE DOCUMENTS IN THE REFERENCE LEGEND ARE LIVE  
HYPERLINKS TO SAID DOCUMENT.

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



<div>5</div>	10/22/24	FIXED CURVE L3 ON DETAIL B SHEET 6	COUNTY OF ORANGE COUNTY PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	<div>SANTA ANA DELHI CHANNEL (F01)</div>	<div>BOUNDARY AND RIGHT OF WAY ESTABLISHMENT SHEETS</div>	<div>PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE, TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL.</div>	<div>DATE OF SURVEY: 04/16/2020</div>	<div>BY: T. LOFGREEN &amp; PARTY</div>	<div>TOPOGRAPHIC MAPPING</div>	<div>FIELD CHECK</div>	<div>FILE: SANTA_ANA_DELHI_CHANNEL (F01)_BOUNDARY_2020.DWG</div>	<div>BY: H. AFTIM</div>	<div>BY: M. KUBISTY</div>	<div>BY: T. LOFGREEN &amp; PARTY</div>	<div>FILE: "1920PW-10016"</div>	<div>SHEET NO. 7 of 17</div>
	7/24/23	ALIGNMENT LABEL UPDATE														
<div>3</div>	6/29/23	TEXT UPDATE														
<div>2</div>	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.														
<div>1</div>	5/19/22	ADDED ENCUMBRANCE SHEET B														
MARK	DATE	ITEM	<div>REVISIONS</div>													





0' 50' 100' 200' 300'  
SCALE: 1" = 100'



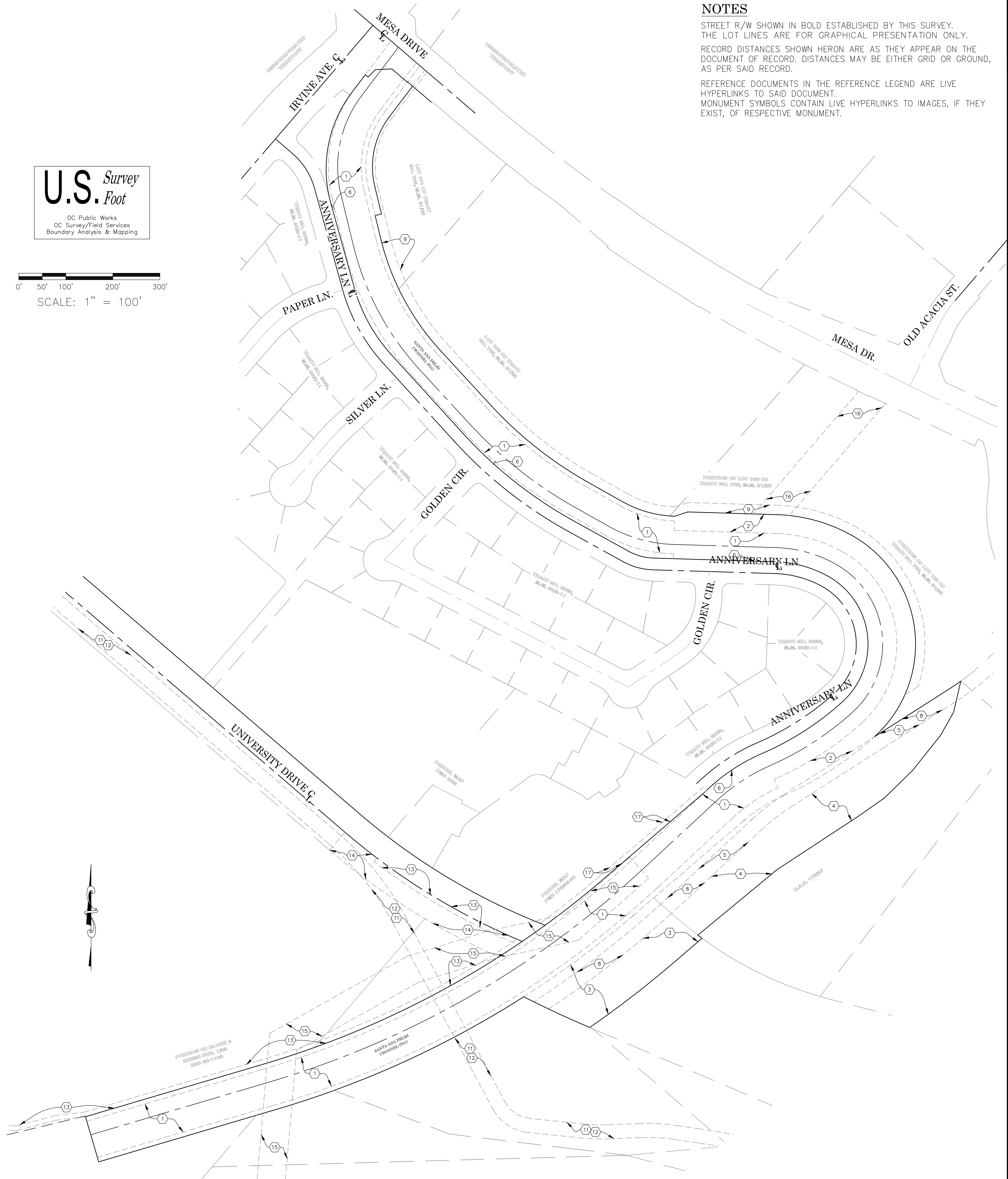
### NOTES

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.

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



### EASEMENT NOTES

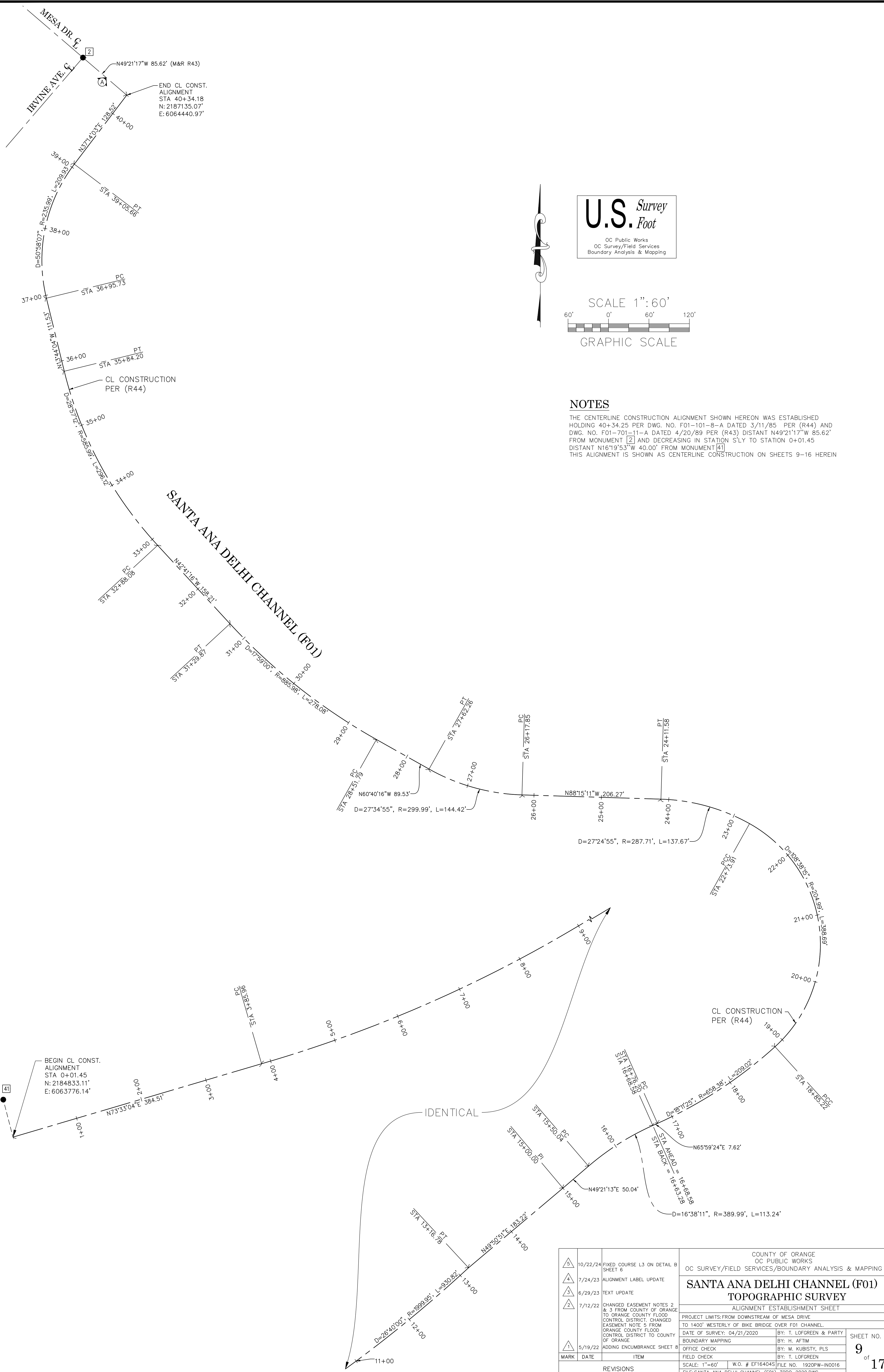
- 1 EXISTING EASEMENT AND RIGHT OF WAY TO THE ORANGE COUNTY FLOOD CONTROL DISTRICT, RECORDED 1/11/1949, IN BOOK 1804 PAGE 432 O.R. (R20)
- 2 EXISTING PERPETUAL EASEMENT AND RIGHT OF WAY FOR FLOOD CONTROL PURPOSES TO THE ORANGE COUNTY FLOOD CONTROL DISTRICT, RECORDED 11/8/1961, IN BOOK 5906 PAGE 516 O.R.
- 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 RECRETATIONAL 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.

### EASEMENT NOTES

- 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).

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
<div>5</div>	10/22/24	FIXED COURSE L3 ON DETAIL B SHEET 6	SANTA ANA DELHI CHANNEL (F01)			
<div>4</div>	7/24/23	ALIGNMENT LABEL UPDATE				
<div>3</div>	6/29/23	TEXT UPDATE	ENCUMBRANCE SHEET			
<div>2</div>	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	PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL.			
<div>1</div>	5/19/22	ADDING ENCUMBRANCE SHEET 8	DATE OF SURVEY: 04/16/2020	BY: T. LOFGREEN & PARTY		SHEET NO.  8 of 17
MARK	DATE	ITEM	TOPOGRAPHIC MAPPING	BY: H. AFTIM		
			OFFICE CHECK	BY: M. KUBISTY		
			FIELD CHECK	BY: T. LOFGREEN & PARTY		
			SCALE: 1"=100'	W.O. #EF164045	FILE #1920PW-IN0016	
		REVISIONS	FILE: SANTA ANA_DELHI CHANNEL (F01)_BOUNDARY_2020.DWG			







SYMBOL

Gate, Double

Gate, Single

Grate Inlet

Guy Wire Anchor

Light Pole, Double

Light Pole, Single

Mailbox

Manhole Storm Drain

Manhole Telephone

Meter Water

Pull Box Cable TV

Pull Box Traffic

Sign Post

Valve Irrigation

Vault Cable TV

Vault Undefined

Water Line Appurtenance

Utility Pole

Traffic Signal

Post Steel

LINE PATTERN

Building Outline

Bush Row Outline

Centerline

Edge of Concrete

Edge of Asphalt Pavement

Fence Barbed-Wire

Fence Chainlink

Fence Wood

Flowline

Guard Rail

Grade Line

Hinge Point

Property Line

Right of Way

Striping

Wall, Concrete Block

TREE LINE

CONVENTIONAL SURVEY LIMIT

ABBREVIATION

AC

CL

CONC.

CP

CMP

RCP

Asphalt Concrete

Centerline

Concrete

Control Point

Corrugated Metal Pipe

Reinforce Concrete Pipe

AREA PATTERN

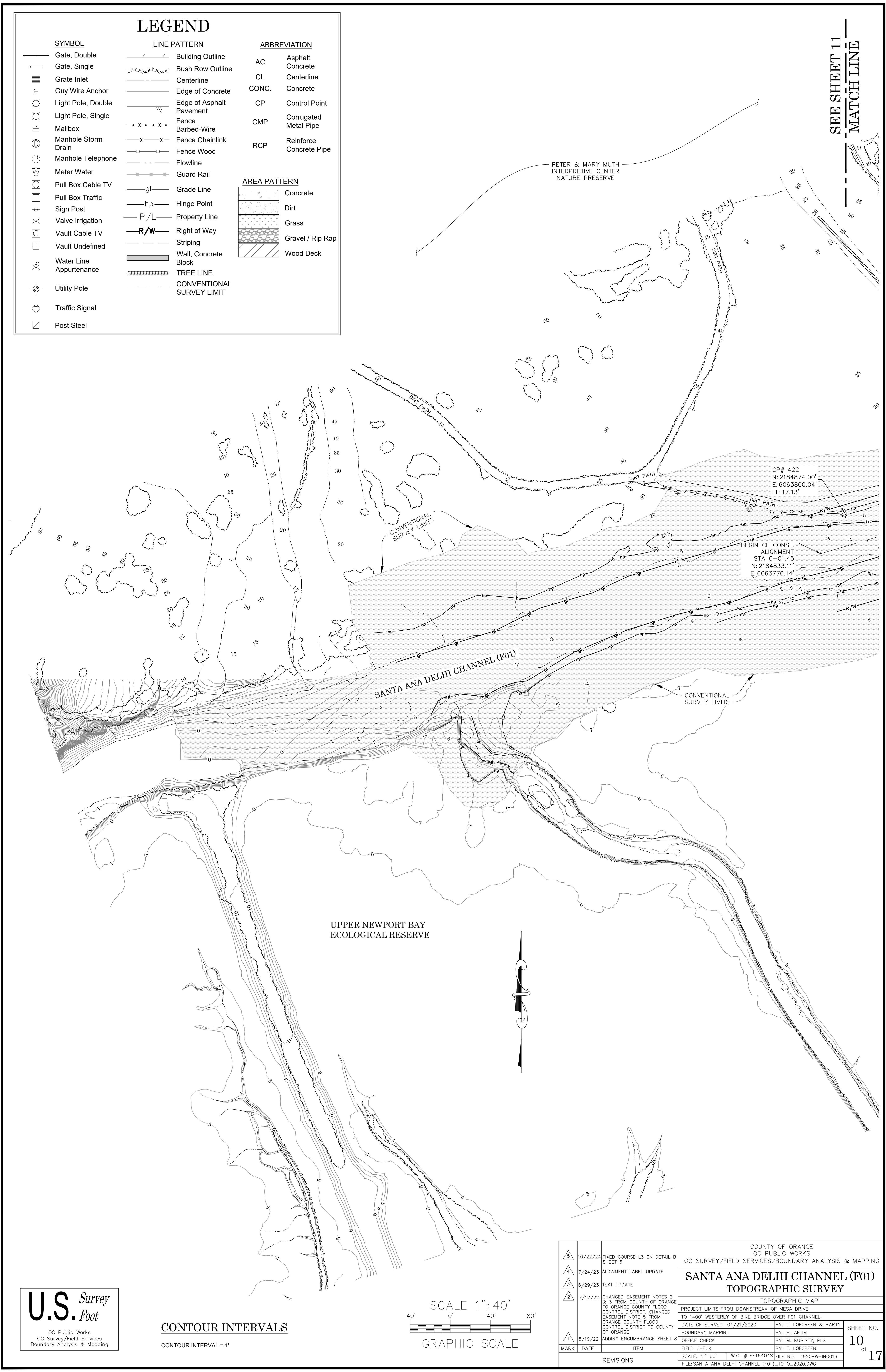
Concrete

Dirt

Grass

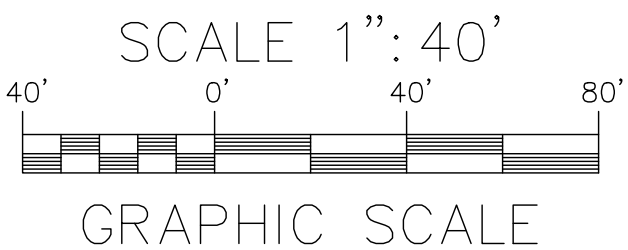
Gravel / Rip Rap

Wood Deck



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

**CONTOUR INTERVALS**  
CONTOUR INTERVAL = 1'








COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			<b>SANTA ANA DELHI CHANNEL (F01)</b> <b>TOPOGRAPHIC SURVEY</b>	
PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL.				
TOPOGRAPHIC MAP			SHEET NO. <b>10</b> of <b>17</b>	
DATE OF SURVEY: 04/21/2020 BOUNDARY MAPPING OFFICE CHECK FIELD CHECK				
BY: T. LOFGREEN & PARTY BY: H. AFIM BY: M. KUBISTY, PLS BY: T. LOFGREEN				
SCALE: 1"=60' FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2020.DWG				
REVISIONS				
MARK	DATE	ITEM		
5	10/22/24	FIXED COURSE L3 ON DETAIL B SHEET 6		
4	7/24/23	ALIGNMENT LABEL UPDATE		
3	6/29/23	TEXT UPDATE		
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		
1	5/19/22	ADDING ENCUMBRANCE SHEET 8		

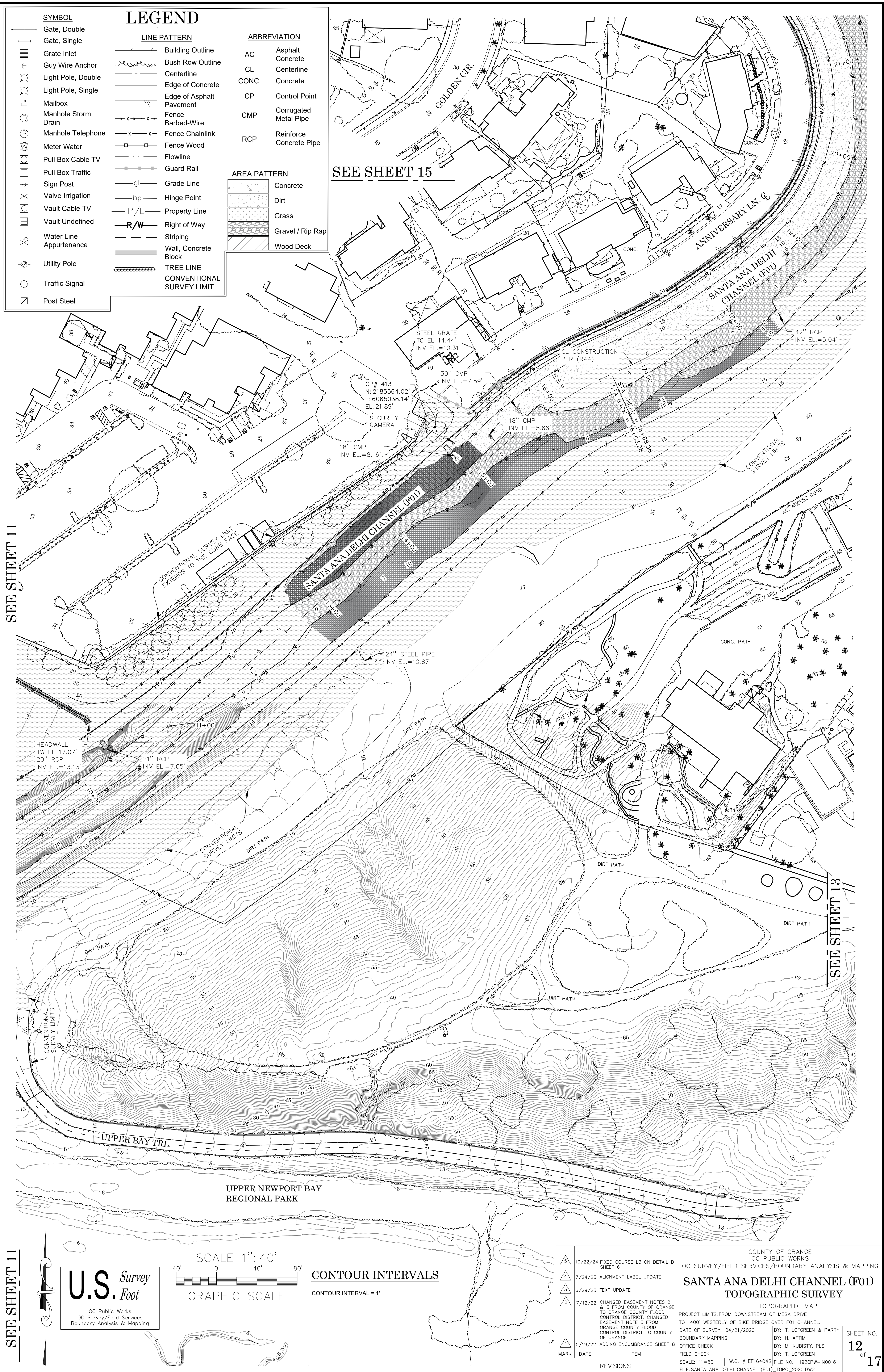


SEE SHEET 10



    	10/22/24	FIXED COURSE L3 ON DETAIL B SHEET 6	COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING  <b>SANTA ANA DELHI CHANNEL (F01)</b> <b>TOPOGRAPHIC SURVEY</b>  TOPOGRAPHIC MAP PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL. DATE OF SURVEY: 04/21/2020 BOUNDARY MAPPING OFFICE CHECK FIELD CHECK SCALE: 1"=60' FILE NO. 192PW-IN0016 E/F/S: SANTA ANA DELHI CHANNEL (F01) TOPO-2020PW-	SHEET NO. 11 of 17
	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	ADDING ENCUMBRANCE SHEET 8		BY: T. LOFGREEN & PARTY BY: H. AFTIM BY: M. KUBISTEN, PLS BY: T. LOFGREEN	
MARK	DATE	ITEM	REVISIONS SCALE: 1"=60' FILE NO. 192PW-IN0016 E/F/S: SANTA ANA DELHI CHANNEL (F01) TOPO-2020PW-	



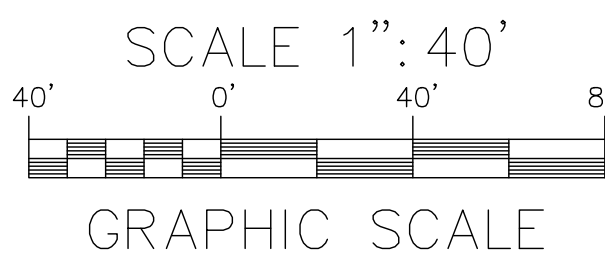
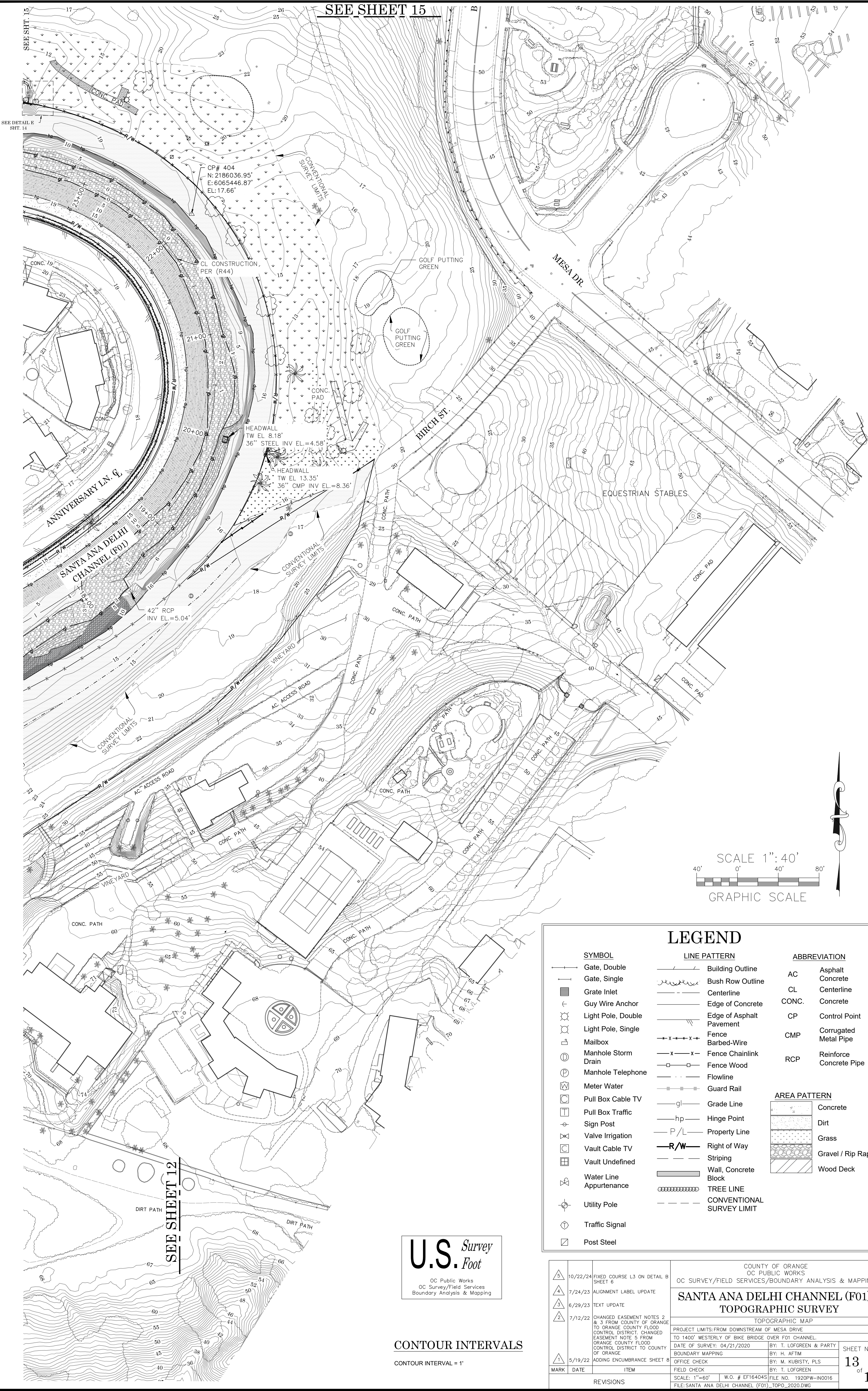


SEE SHEET 11



SEE SHEET 15

SEE DETAIL E  
SHEET 14



### LEGEND

SYMBOL	LINE PATTERN	ABBREVIATION
		AC Asphalt
		CONC. Concrete
		CP Control Point
		CMP Corrugated Metal Pipe
		RCP Reinforce Concrete Pipe

AREA PATTERN	
	Concrete
	Dirt
	Grass
	Gravel / Rip Rap
	Wood Deck

U.S. Survey  
Foot

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

### CONTOUR INTERVALS

CONTOUR INTERVAL = 1'

10/22/24	FIXED COURSE L3 ON DETAIL B SHEET 6	COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING
7/24/23	ALIGNMENT LABEL UPDATE	SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY
6/29/23	TEXT UPDATE	TOPOGRAPHIC MAP
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	PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL.
5/19/22	ADDING ENCUMBRANCE SHEET 8	DATE OF SURVEY: 04/21/2020 BY: T. LOFGREEN & PARTY
MARK	DATE	ITEM
		BOUNDARY MAPPING BY: M. KUBISTY, PLS
		OFFICE CHECK BY: T. LOFGREEN
		FIELD CHECK
		SCALE: 1"=60' W.O. # EF164045 FILE NO. 1920PW-IN0016
		FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2020.DWG

SHEET NO.  
13 of 17





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

CONTOUR INTERVAL = 1'

AC	Asphalt Concrete
CL	Centerline
CONC.	Concrete
CP	Control Point
CMP	Corrugated Metal Pipe
RCP	Reinforce Concrete Pipe



5	10/22/24	FIXED COURSE L3 ON DETAIL B SHEET 6	COUNTY OF ORANGE OC PUBLIC WORKS 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: 04/21/2020 BY: T. LOFGREEN & PARTY BOUNDARY MAPPING BY: H. AFTIM FIELD CHECK BY: M. KUBISITY, PLS FIELD CHECK BY: T. LOFGREEN	SHEET NO. 14 of 17
	7/24/23	ALIGNMENT LABEL UPDATE					
3	6/29/23	TEXT UPDATE					
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					
1	5/19/22	ADDING ENCUMBRANCE SHEET 8					
MARK	DATE	ITEM					
REVISIONS SCALE: 1"=60' W.O. # EF164045 FILE NO. 1920PW-IN0016 FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2020.DWG.							

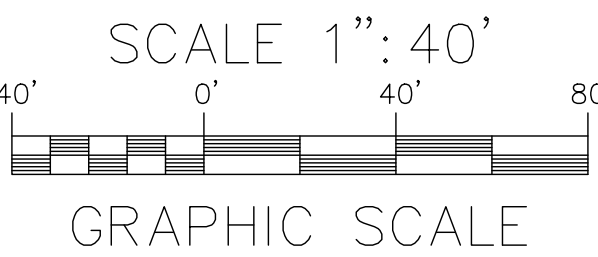


SEE SHEET 17

LEGEND

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				

AREA PATTERN	
	Concrete
	Dirt
	Grass
	Gravel / Rip Rap
	Wood Deck



SEE SHEET 16

SEE SHEET 14

U.S. Survey Foot

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

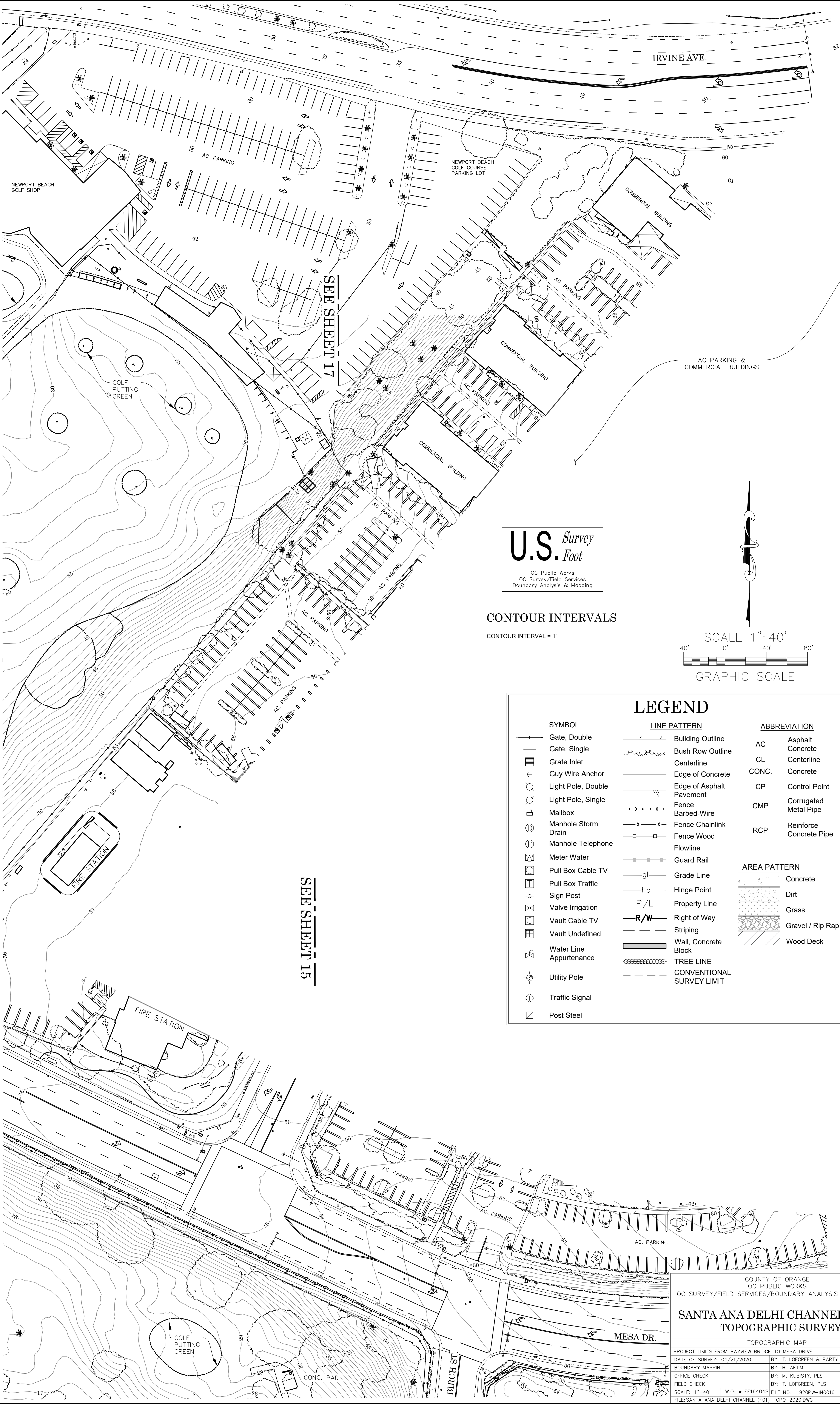
CONTOUR INTERVALS

CONTOUR INTERVAL = 1'

SEE SHEET 12

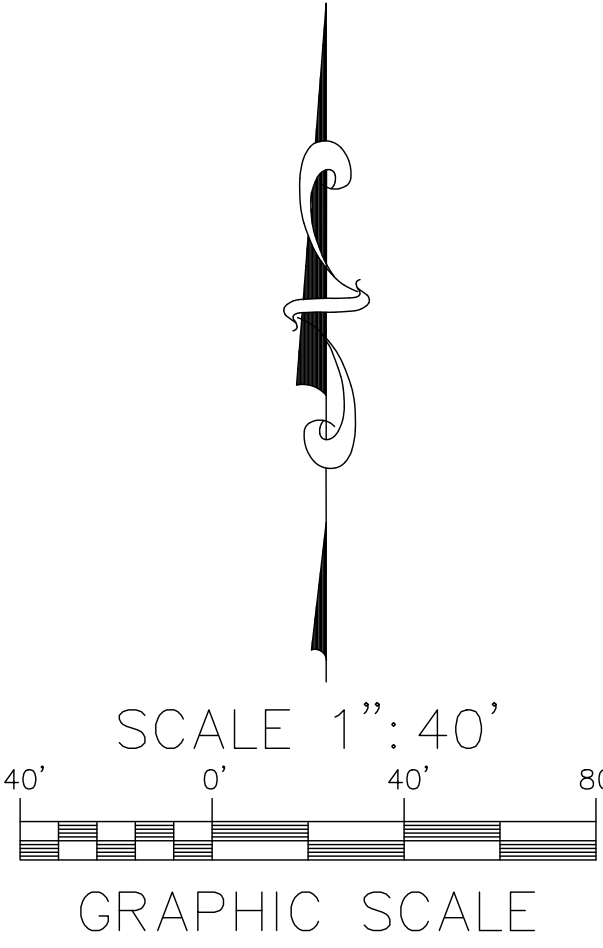
5	10/22/24	FIXED COURSE L3 ON DETAIL B SHEET 6
4	7/24/23	ALIGNMENT LABEL UPDATE
3	6/29/23	TEXT UPDATE
2	7/12/22	CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT, CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE
1	5/19/22	ADDING ENCUMBRANCE SHEET 8
MARK	DATE	ITEM
REVISIONS		
COUNTY OF ORANGE OC PUBLIC WORKS 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: 04/21/2020	BY: T. LOFGREEN & PARTY	SHEET NO. <b>15</b> of 17
BOUNDARY MAPPING	BY: H. AFTIM	
OFFICE CHECK	BY: M. KUBISTY, PLS	
FIELD CHECK	BY: T. LOFGREEN	
SCALE: 1"=60'	W.O. # EF164045	FILE NO. 1920PW-IN0016
FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2020.DWG		





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

CONTOUR INTERVALS  
CONTOUR INTERVAL = 1'



LEGEND

SYMBOL	LINE PATTERN	ABBREVIATION
		AC Asphalt
		CL Concrete
		CONC. Concrete
		CP Control Point
		CMP Corrugated Metal Pipe
		RCP Reinforce Concrete Pipe

AREA PATTERN	
	Concrete
	Dirt
	Grass
	Gravel / Rip Rap
	Wood Deck

COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY	
TOPOGRAPHIC MAP	
PROJECT LIMITS: FROM BAYVIEW BRIDGE TO MESA DRIVE	BY: T. LOFGREEN & PARTY
DATE OF SURVEY: 04/21/2020	BY: H. AFTIM
BOUNDARY MAPPING	BY: M. KUBISTY, PLS
OFFICE CHECK	BY: T. LOFGREEN, PLS
FIELD CHECK	W.O. # EF164045   FILE NO. 1920PW-IND016
SCALE: 1"=40'	FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2020.DWG

SHEET NO.

16

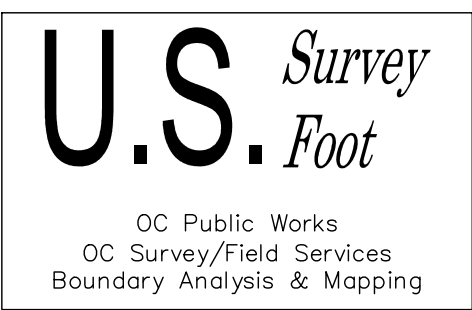
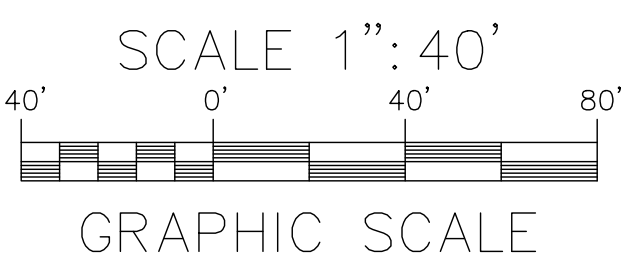
of 17



LEGEND

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

AREA PATTERN	
	Concrete
	Dirt
	Grass
	Gravel / Rip Rap
	Wood Deck



CONTOUR INTERVALS

CONTOUR INTERVAL = 1'



COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY		SHEET NO.  17 of 17
TOPOGRAPHIC MAP					
PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL.					
DATE OF SURVEY: 04/21/2020			BY: T. LOFGREEN & PARTY		
BOUNDARY MAPPING			BY: H. AFTIM		
OFFICE CHECK			BY: M. KUBISTY, PLS		
FIELD CHECK			BY: T. LOFGREEN		
SCALE: 1"=60'			W.O. # EF16404S		
FILE: SANTA ANA DELHI CHANNEL (F01)_TOPG_2020.DWG			FILE NO. 1920PW-IN0016		

MARK	DATE	ITEM
5	10/22/24	FIXED COURSE L3 ON DETAIL B SHEET 6
4	7/24/23	ALIGNMENT LABEL UPDATE
3	6/29/23	TEXT UPDATE
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.
A	5/19/22	ADDING ENCUMBRANCE SHEET 8

REVISIONS	
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