



OC PUBLIC WORKS DEPARTMENT

JAMES TREADAWAY, DIRECTOR OF PUBLIC WORKS

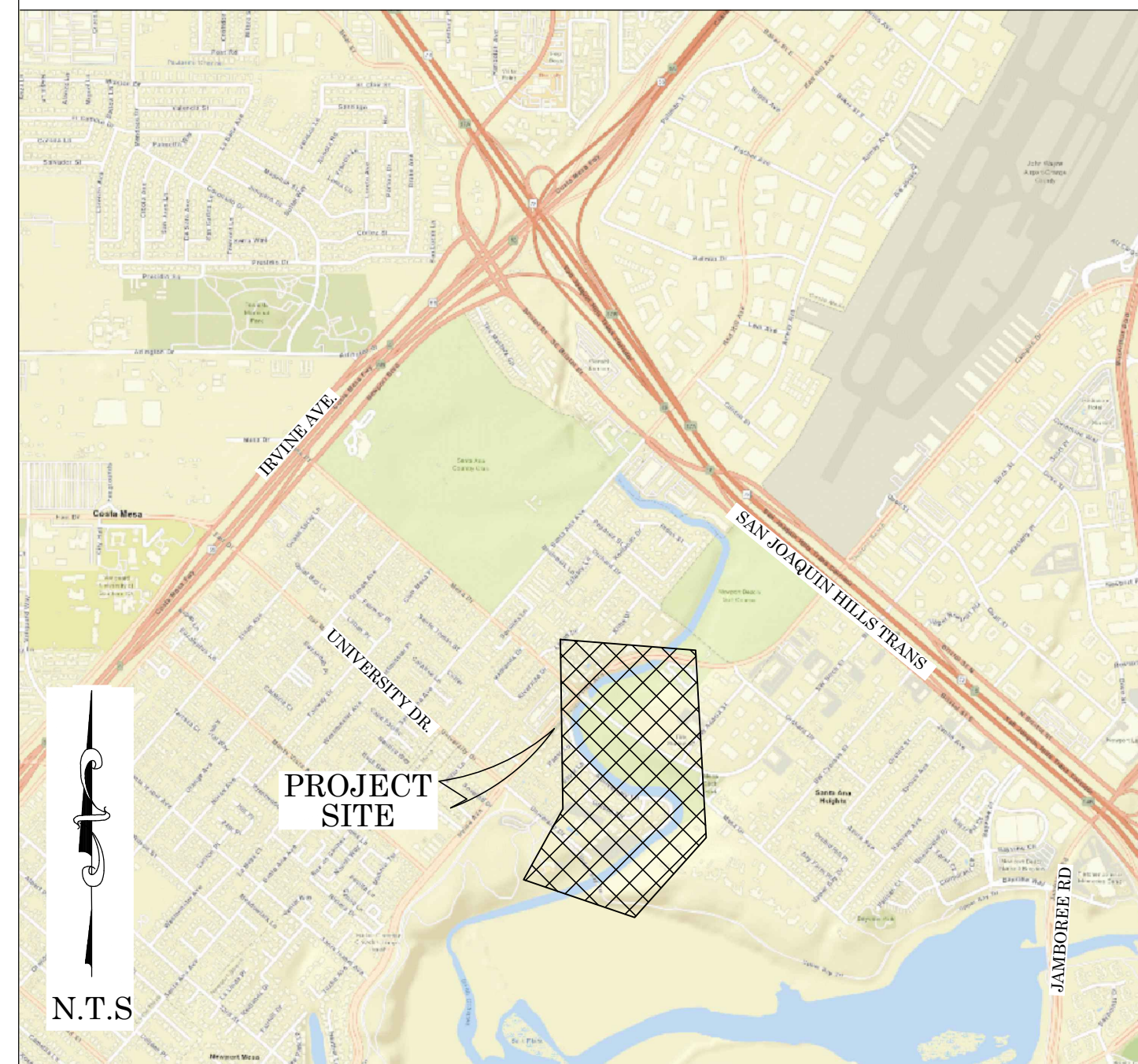
KEVIN HILLS, COUNTY SURVEYOR

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 25 JULY, 2023.

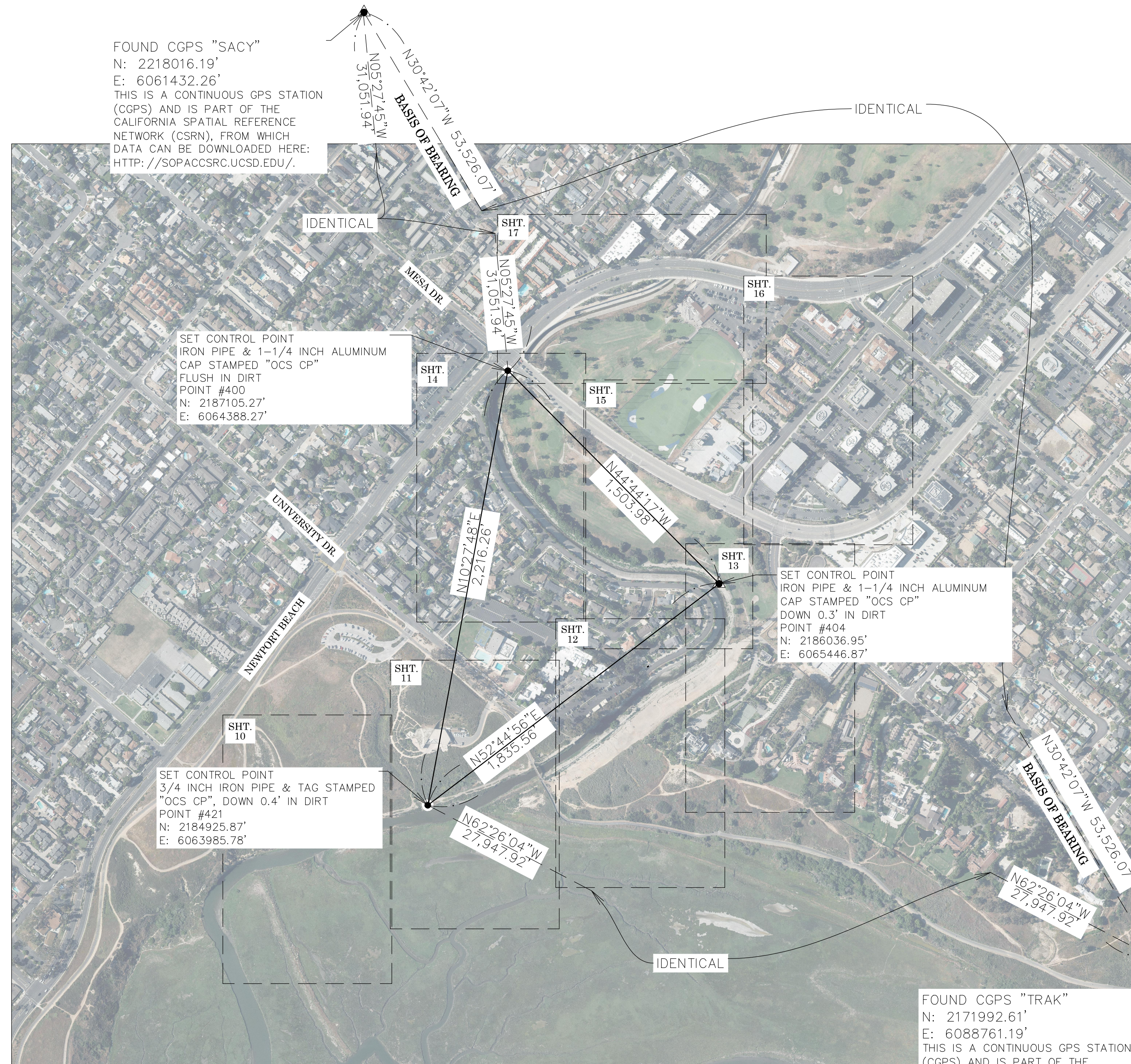
MICHAEL KUBISTY, PLS. SENIOR LAND SURVEYOR



DEPUTY COUNTY SURVEYOR'S STATEMENT:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS DAY OF 25 JULY, 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).

FOUND CGPS "TRAK"
N: 2171992.61'
E: 6088761.19'
THIS IS A CONTINUOUS GPS STATION (CGPS) AND IS PART OF THE CALIFORNIA SPATIAL REFERENCE NETWORK (CSRN), FROM WHICH DATA CAN BE DOWNLOADED HERE:
[HTTP://SOPACCSRC.UCSD.EDU/](http://SOPACCSRC.UCSD.EDU/).

		COUNTY OF ORANGE OC PUBLIC WORKS 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: 04/21/2020 BY: T. LOFGREEN & PARTY
		BOUNDARY MAPPING BY: H. AFTIM
		OFFICE CHECK BY: M. KUBISTY, PLS
		FIELD CHECK BY: T. LOFGREEN
		SCALE: N.T.S. W.O. # EF16404S FILE NO. 1920PW-IN0016
		FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2020.DWG
MARK	DATE	ITEM
△	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
		REVISIONS

TOPOGRAPHIC MAPPING PROJECT

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 **C** AND MONUMENT **9**
- F** ESTABLISHED THE CENTERLINE OF ANNIVERSARY LN PER (R2). BY LEAST SQUARES ADJUSTMENT BETWEEN MONUMENTS **9** AND **11**
- G** ESTABLISHED THE CENTERLINE OF ANNIVERSARY LN PER (R2). BETWEEN MONUMENTS **11** AND **13**
- H** ESTABLISHED THE CENTERLINE OF ANNIVERSARY LN PER (R2). BY LEAST SQUARES ADJUSTMENT BETWEEN MONUMENTS **13** 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 **R**
- J** ESTABLISHED THE E'LY RIGHT OF WAY OF ANNIVERSARY LN BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 25' E'LY OF ESTABLISHMENT **H** PER (R2).
- K** ESTABLISHED THE E'LY RIGHT OF WAY OF ANNIVERSARY LN BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 25' E'LY OF ESTABLISHMENT **G** PER (R2).
- L** ESTABLISHED THE E'LY RIGHT OF WAY OF ANNIVERSARY LN BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 25' E'LY OF ESTABLISHMENT **F** PER (R2).
- M** ESTABLISHED THE E'LY RIGHT OF WAY OF ANNIVERSARY LN BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 25' E'LY OF ESTABLISHMENT **E** PER (R2).
- N** ESTABLISHED THE THE CENTERLINE BC OF ANNIVERSARY LN PER (R2). BY LEAST SQUARES ADJUSTMENT BETWEEN ESTABLISHMENT NOTE **D** AND MONUMENT **9**
- O** 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 **AV**
- 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) BETWEEN ESTABLISHMENT NOTES **P** AND **AF**
- 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 ESTBLISHMENT **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 **V** AND **D**, 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 BETWEEN ESTABLISHMENT NOTES **Y** AND THE NE'LY TERMINUS OF LINE ESTABLISHMENT **AV**
- 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 **AV**
- 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 S'LY LINE OF PARCEL 7 OF (R20) BY HOLDING LINE BETWEEN MONUMENTS **41** AND **39**
- AE** ESTABLISHED THE SW'LY TERMINUS OF PARCEL 7 OF (R20) BY HOLDING A RECORD DISTANCE PER (R20) SE'LY FROM MONUMENT **41** ALONG ESTABLISHMENT NOTE **AD**
- AF** 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 **P** ALONG ESTABLISHMENT NOTE **D**
- AG** ESTABLISHED THE CENTERLINE OF PARCEL 7 OF (R20) BY HOLDING A LINE BETWEEN ESTABLISHMENTS **AF** AND **AE**
- AH** ESTABLISHED THE SE'LY LINE OF (R21) BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 60' S'LY OF ESTABLISHMENT **AG**
- AI** ESTABLISHED THE NW'LY LINE OF PARCEL 2 OF (R21) BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 40' N'LY OF ESTABLISHMENT **AG**
- AJ** ESTABLISHED THE BC OF PARCEL 2 OF (R21) BY HOLDING RECORD DISTANCE PER (R21) NE'LY MONUMENT **41** ALONG ESTABLISHMENT **A**
- AK** ESTABLISHED THE NW'LY LINE OF PARCEL 2 OF (R21) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION FROM ESTABLISHMENT NOTE **A** 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.
- 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 **AY**
- AN** 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 **AY** AND NE'LY MONUMENT **52**, PER (R31).
- AO** ESTABLISHED THE N'LY COURSE OF PARCEL 2 OF (R31) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION SW'LY FROM MONUMENT **52** TO THE INTERSECTION OF N'LY ESTABLISHMENT **AV**, PER (R31).
- AP** ESTABLISHED THE SE'LY LINE OF PARCEL 1 OF (R31) BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 30' S'LY OF ESTABLISHMENT **AM**
- AQ** ESTABLISHED THE SE'LY LINE OF PARCEL 2 OF (R31) BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 30' SE'LY OF ESTABLISHMENT **AO**
- AR** ESTABLISHED THE S'LY COURSE OF (R35) BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 132' S'LY OF ESTABLISHMENT **Z**, TO THE INTERSECTION OF SE'LY ESTABLISHMENT **AV**, TO THE INTERSECTION OF SW'LY ESTABLISHMENT **AV**, PER (R35).
- AS** S.F.N. ESTABLISHED THE INTERSECTION OF NW'LY LINE OF (R36) AND ESTABLISHMENT **AR** BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION SW'LY FROM ESTABLISHMENT **AY** ALONG ESTABLISHMENT **AN**, PER (R37).
- AT** ESTABLISHED THE S'LY COURSE OF (R38) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION BETWEEN ESTABLISHMENT NOTE **AS** AND MONUMENT **63**, PER (R38).

ESTABLISHMENT NOTES

- AU** ESTABLISHED THE COURSE OF (R32) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION BETWEEN MONUMENTS **65** AND **52**, PER (R32).
- AV** ESTABLISHED THE E'LY RIGHT OF WAY BC BY HOLDING A RECORD DIMENSION PARALLEL WITH, PERPENDICULAR TO, & 25' E'LY OF ESTABLISHMENT NOTE **N**
- AW** ESTABLISHED THE SW'LY LINE OF (R39) BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION BETWEEN MONUMENTS **72** AND **69** TO THE INTERSECTION OF S'LY ESTABLISHMENT **Z**, PER (R39).
- AX** 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).
- AY** 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 **44**, **45**, **46**, AND **47**
- AZ** ESTABLISHED BY INTERSECTION BETWEEN ESTABLISHMENT NOTES **AY** AND **AP**
- BA** ESTABLISHED THE CENTERLINE OF UNIVERSITY DRIVE PER (R1). BY HOLDING A RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION PER (R1) SE'LY FROM MONUMENT **5** IN BETWEEN ESTABLISHMENT NOTE **ED** AND MONUMENT **5**
- BB** ESTABLISHED BY INTERSECTION BETWEEN ESTABLISHMENT NOTES **EB** AND **AY**
- BC** S.F.N ESTABLISHED BY TIES PER (R45)
- BD** 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 **ED** PER (R41).
- BE** ESTABLISHED THE CENTERLINE OF UNIVERSITY DRIVE PER (R1). BY HOLDING A RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION PER (R1) SE'LY FROM ESTABLISHMENT **ED**
- BF** ESTABLISHED THE N'LY RIGHT OF WAY OF UNIVERSITY DRIVE BY HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & 50' N'LY OF ESTABLISHMENT **EB**, **EA** PER (R47).
- BG** 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).
- BH** ESTABLISHED STATION F OF (R29) BY HOLDING RECORD ANGLE AND DISTANCE OF 1596.07' PER (R29) SE'LY FROM ESTABLISHMENT NOTE **EG**
- BI** ESTABLISHED THE CENTERLINE OF ACACIA ST BY HOLDING A LINE BETWEEN MONUMENTS **74** AND **75**

 7/24/23 6/29/23 7/12/22 5/19/22	ALIGNMENT LABEL UPDATE		COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
	TEXT UPDATE		SANTA ANA DELHI CHANNEL (F01)			
	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			
	ADDING ENCUMBRANCE SHEET 8		PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE.			
MARK	DATE	ITEM	TO: 800' WESTERLY OF BIKE BRIDGE OF OVER F01 CHANNEL.			SHEET NO. 2 of 17
			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	
REVISIONS			SCALE: N.T.S. W.O. #EF164045 FILE #1920PW-IN0016			
REVISIONS			FILE: SANTA_ANA_DELHI_CHANNEL_(F01)_BOUNDARY_2020.DWG			

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

5
- 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, S72°45'08"W 0.05" FROM 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, N43°19'24"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

2
- 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

2
- 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

2
- 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

2
- 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

2
- 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

2
- 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

2
- 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

2
- 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

2

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

2
- 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

2
- 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

2
- 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

2

 AND

41
- 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

2
- 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

2

 AND

40
- 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

4
- 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

4
- 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

4
- 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

4

 AND

2
- 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

4
- 52

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

4

 AND BC ESTABLISHMENT NOTE

40
- 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

4

 AND

41
- 54

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

4
- 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

4
- 56

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

4
- 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

4

 AND N12°19'24"E 0.16' FROM INTERSECTION BETWEEN ESTABLISHMENT NOTES

4

 AND

4
- 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

4
- 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

4

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

4
- 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

4
- 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

4
- 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

4
- 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

4
- 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

4

 AND

4
- 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

4

 AND

4
- 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

4
- 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

4
- 69

FOUND 2" IRON PIPE AND 1 1/4 " TAG STAMPED 'OCS', PER (R27), FLUSH IN DIRT, ACCEPTED AS THE SE'LY LINE ESTABLISHMENT

4

 AND S61°46'08"E 0.28' FROM THE INTERSECTION BETWEEN ESTABLISHMENT NOTES

4

 AND

4
- 70

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

4
- 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

4

 AND

40
- 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

4

 AND

40
- 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.

			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.			
1 2 3	7/24/23	ALIGNMENT LABEL UPDATE	DATE OF SURVEY: 04/16/2020		BY: T. LOFGREEN & PARTY	SHEET NO. 3 of 17
	6/29/23	TEXT UPDATE	TOPOGRAPHIC MAPPING		BY: H. AFTIM	
	7/12/22	CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT. CHANGED EASEMENT NOTE 6 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE.	OFFICE CHECK		BY: M. KUBISTY	
			FIELD CHECK		BY: T. LOFGREEN & PARTY	
1	5/19/22	ADDING ENCUMBRANCE SHEET 8	SCALE: N.T.S.		W.O. #EF164045	FILE #1920PW-IN0016
MARK	DATE	ITEM	SANTA ANA_DELHI_CHANNEL (F01)_BOUNDARY_2020.DWG			

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

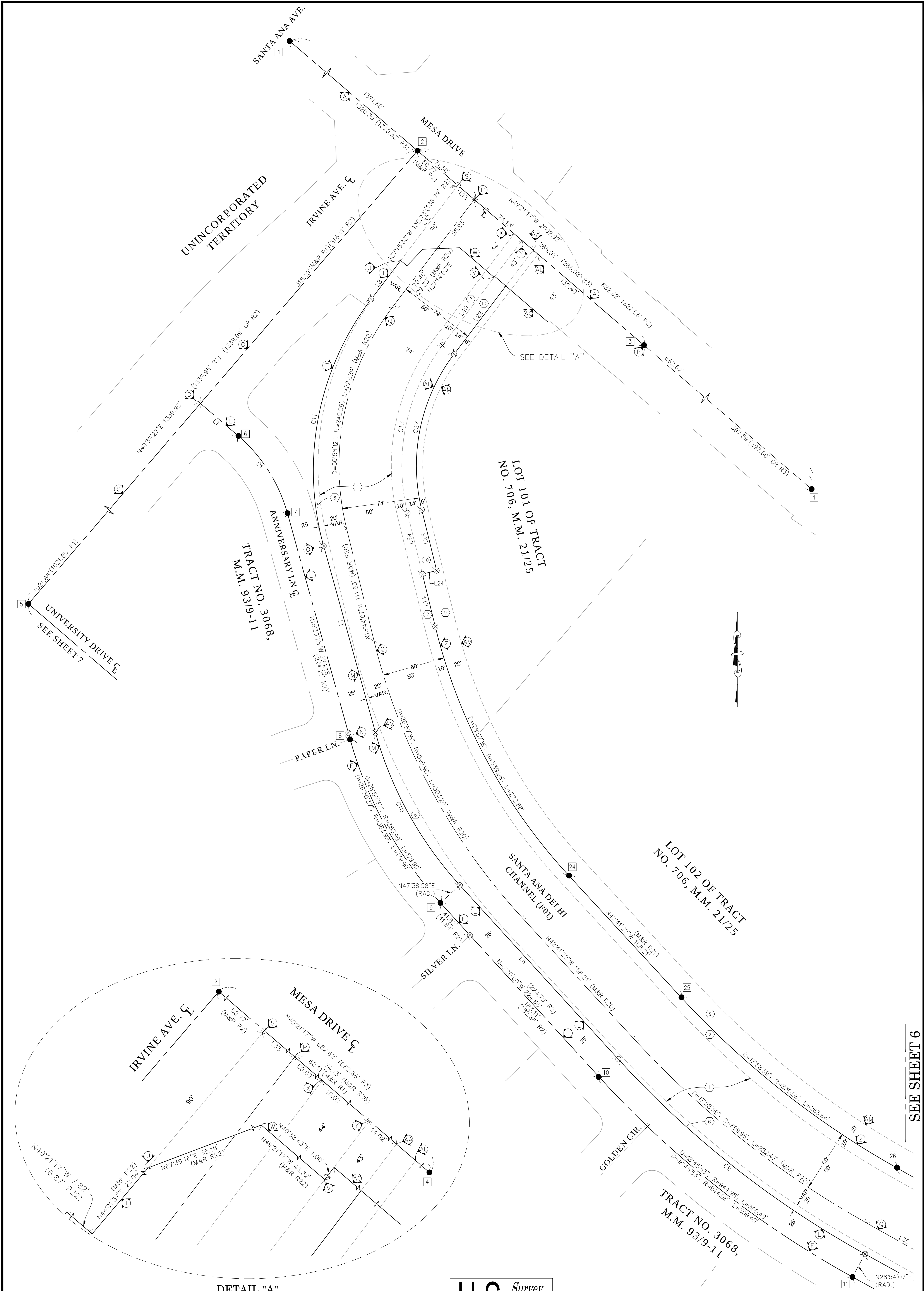
EASEMENT NOTES

- 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)	

△ 7/24/23 △ 6/29/23 △ 7/12/22 △ 5/19/22 MARK DATE ITEM		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.	
		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	
		FILE: SANTA ANA_DELHI CHANNEL (F01)_BOUNDARY_2020.DWG	
		REVISIONS	



NOTES

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

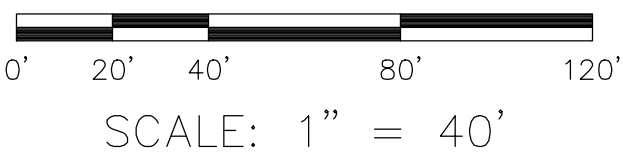
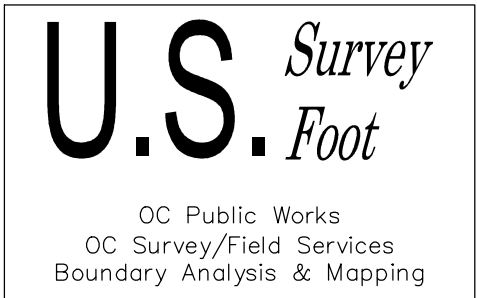
RECORD DISTANCES SHOWN HERON ARE AS THEY APPEAR ON THE DOCUMENT OF RECORD. DISTANCES MAY BE EITHER GRID OR GROUND, AS PER SAID RECORD.

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

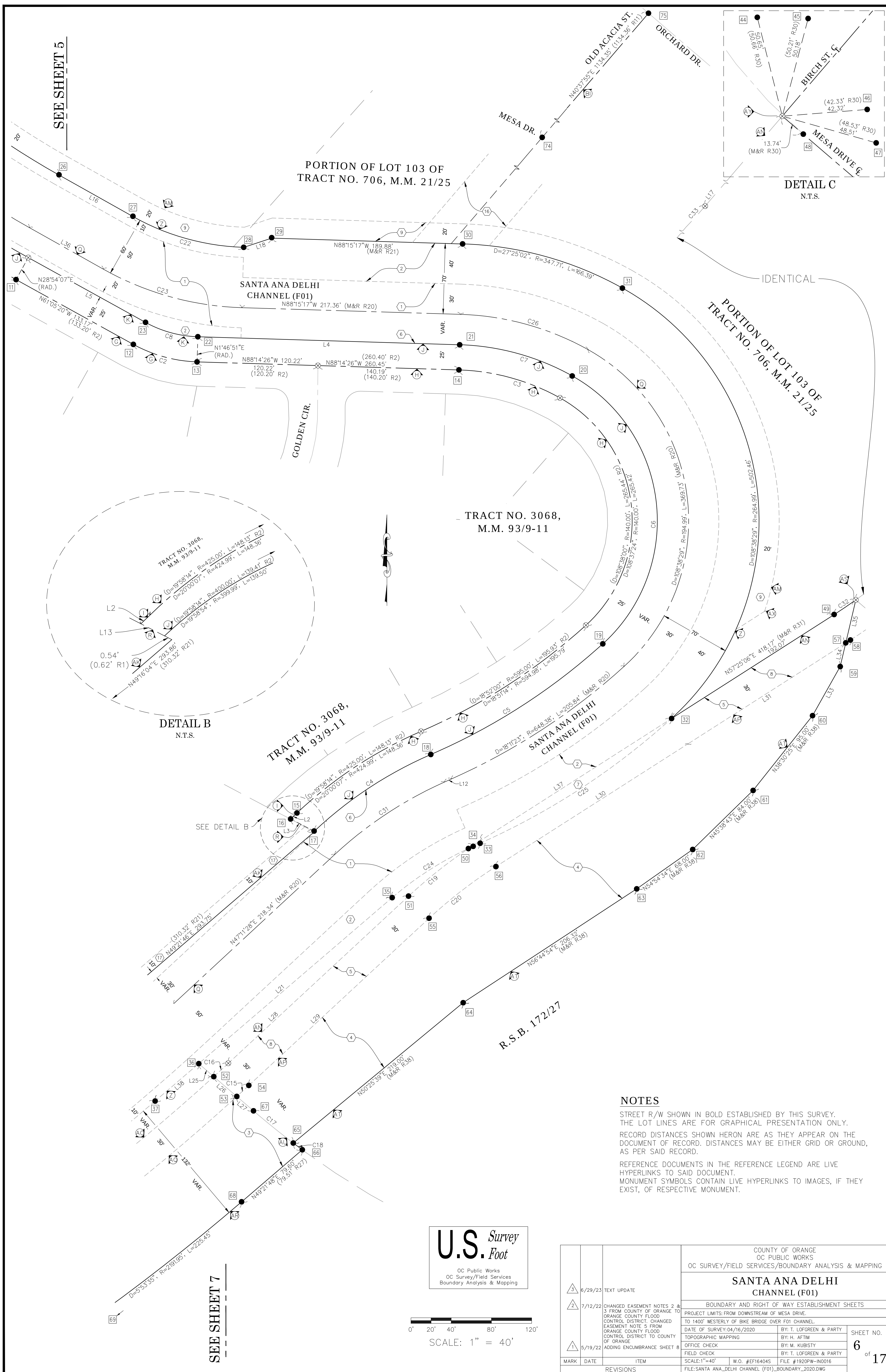


				COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
				SANTA ANA DELHI CHANNEL (F01)		
				BOUNDARY AND RIGHT OF WAY ESTABLISHMENT SHEETS		
				PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE. TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL.		
				DATE OF SURVEY: 04/16/2020		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 #1920PW-IN0016		
				FILE: SANTA ANA_DELHI_CHANNEL (F01)_BOUNDARY_2020.DWG		

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		

SHEET NO.
5 of 17



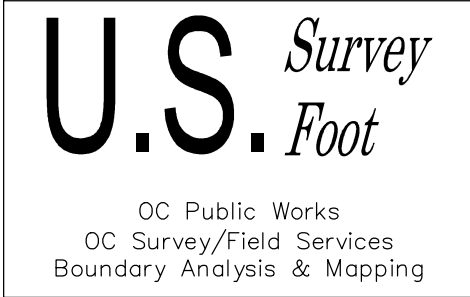
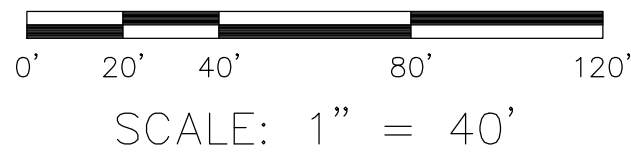
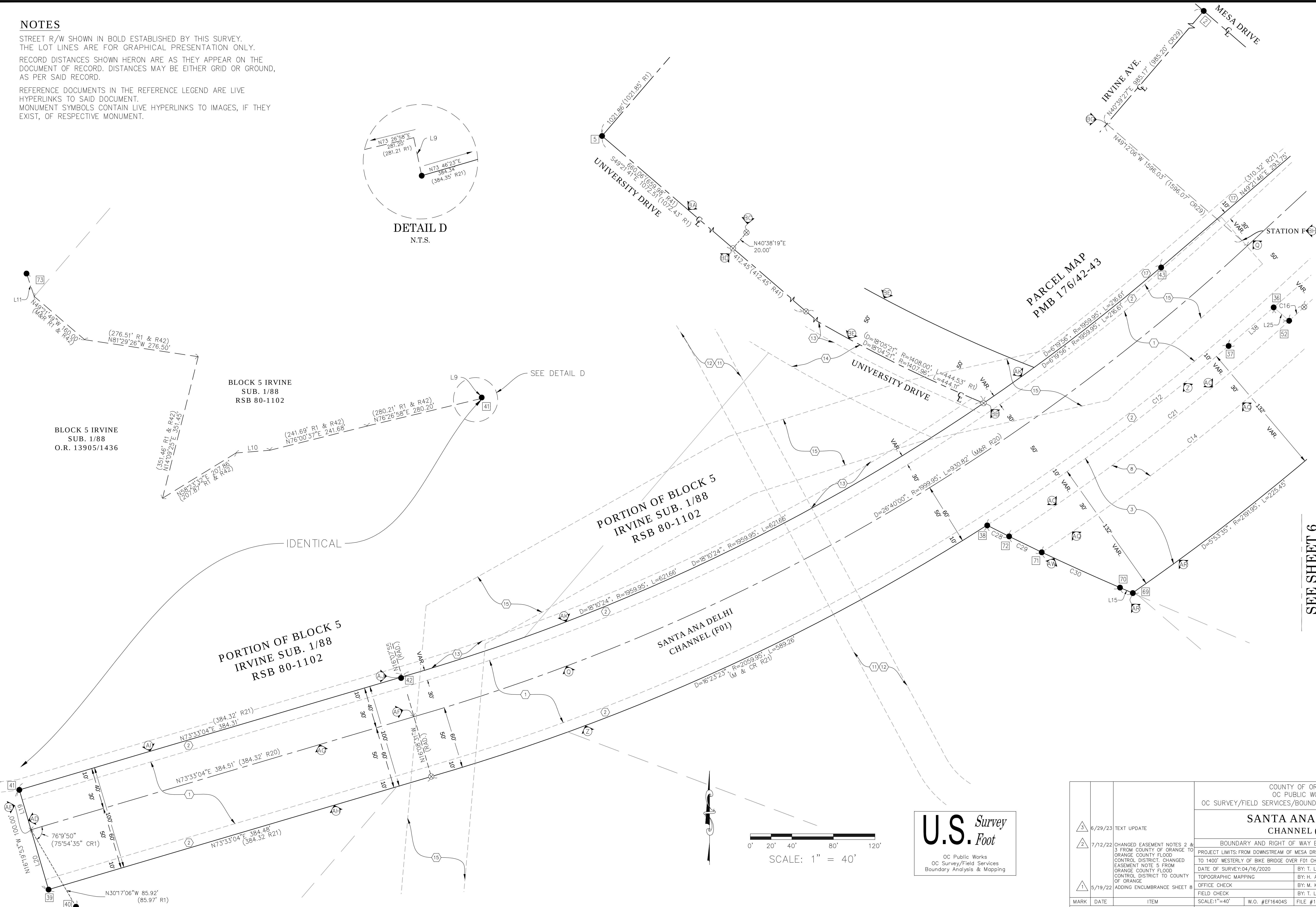
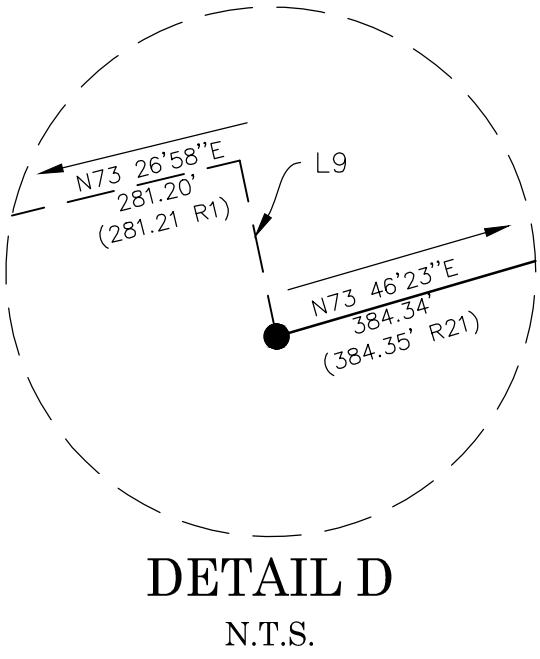
NOTES

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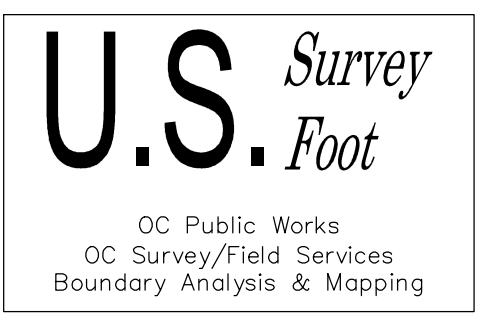
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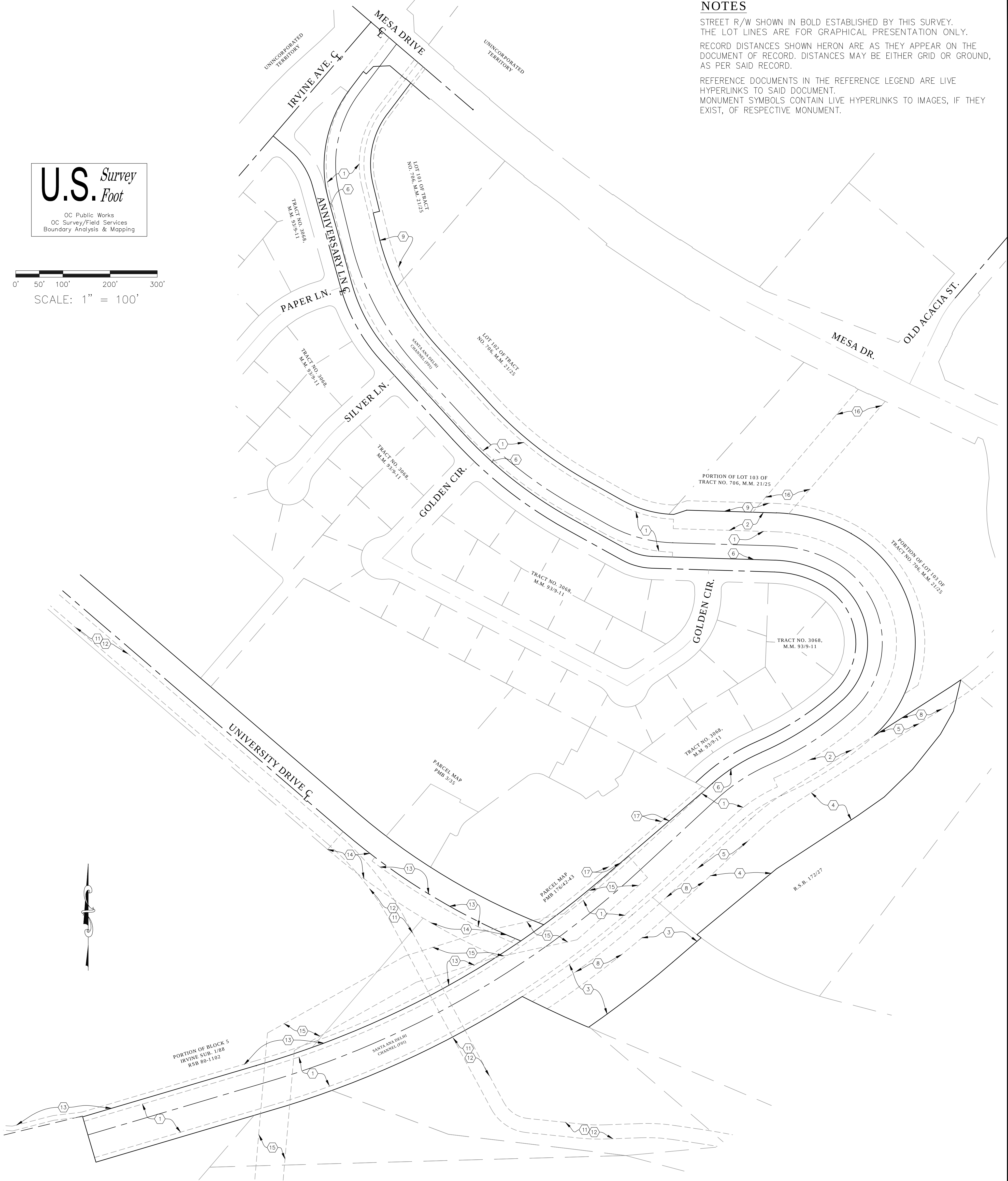
MONUMENT SYMBOLS CONTAIN LIVE HYPERLINKS TO IMAGES, IF THEY EXIST, OF RESPECTIVE MONUMENT.



			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.						
6/29/23		TEXT UPDATE	DATE OF SURVEY: 04/16/2020		BY: T. LOFGREEN & PARTY	
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	TOPOGRAPHIC MAPPING		BY: H. AFTIM	
5/19/22		ADDING ENCUMBRANCE SHEET 8	OFFICE CHECK		BY: M. KUBISTY	
			FIELD CHECK		BY: T. LOFGREEN & PARTY	
			SCALE: 1"=40'		FILE #1920PW-IN0016	
			FILE: SANTA_ANA_DELHI_CHANNEL (F01)_BOUNDARY_2020.DWG			
SHEET NO. 7 of 17						
MARK	DATE	ITEM				
REVISIONS						



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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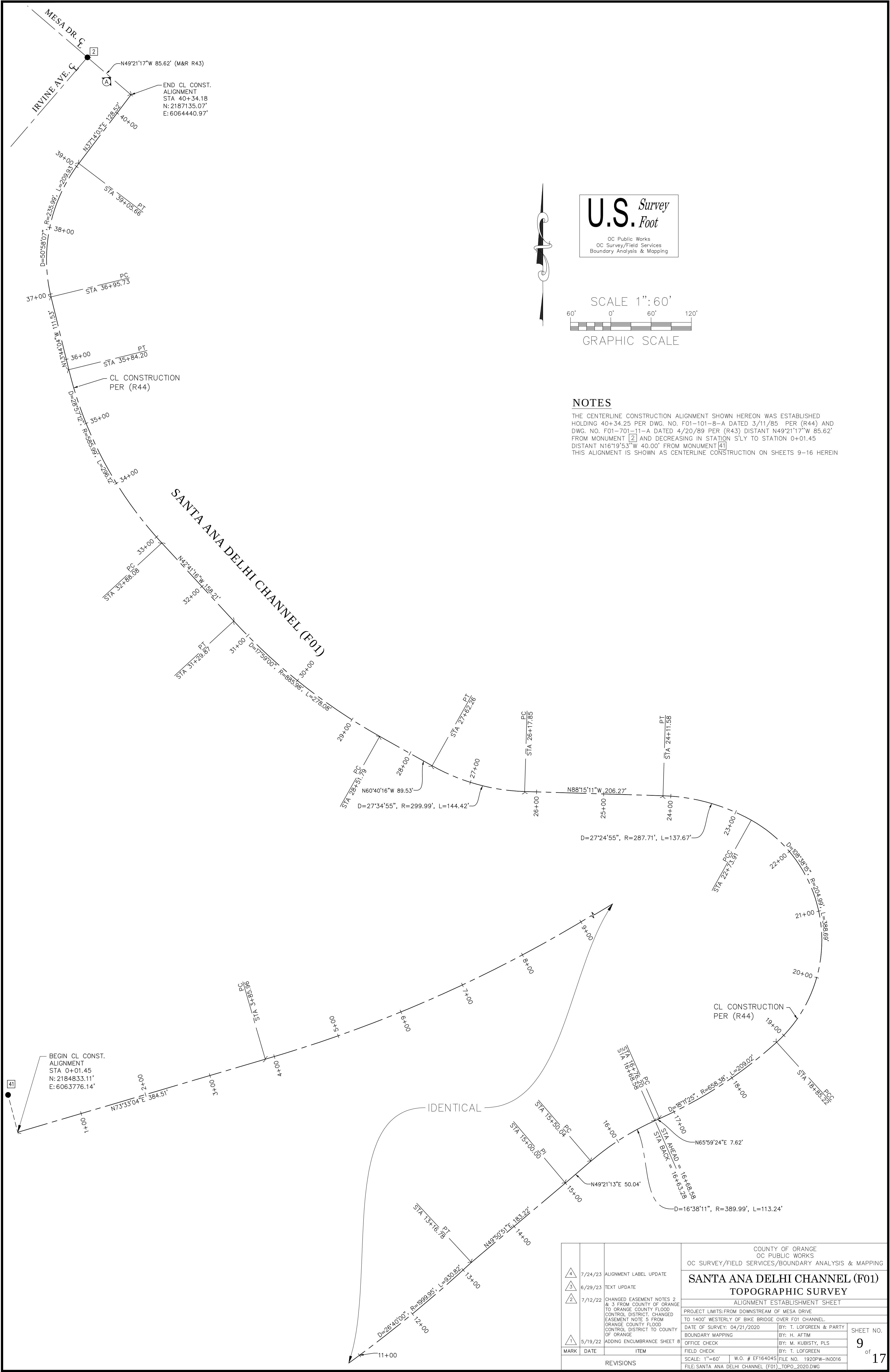
EASEMENT NOTES

- 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		
			SANTA ANA DELHI CHANNEL (F01)		
			ENCUMBRANCE SHEET		
			PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE. TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL.		
	6/29/23	TEXT UPDATE	DATE OF SURVEY: 04/16/2020	BY: T. LOFGREEN & PARTY	SHEET NO. 8 of 17
	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	TOPOGRAPHIC MAPPING	BY: H. AFTIM	
	5/19/22	ADDING ENCUMBRANCE SHEET 8	OFFICE CHECK	BY: M. KUBISTY	
MARK	DATE	ITEM	FIELD CHECK	BY: T. LOFGREEN & PARTY	
REVISIONS			SCALE: 1"=100'	W.O. #EF164045	FILE #1920PW-IN0016
			FILE: SANTA ANA_DELHI CHANNEL (F01)_BOUNDARY_2020.DWG		



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY		
			ALIGNMENT ESTABLISHMENT SHEET		
			PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL.		
1	7/24/23	ALIGNMENT LABEL UPDATE	DATE OF SURVEY: 04/21/2020	BY: T. LOFGREEN & PARTY	SHEET NO. 9 of 17
	6/29/23	TEXT UPDATE	BOUNDARY MAPPING	BY: H. AFTIM	
	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	OFFICE CHECK	BY: M. KUBISTY, PLS	
	5/19/22	ADDING ENCUMBRANCE SHEET 8	FIELD CHECK	BY: T. LOFGREEN	
REVISIONS			SCALE: 1"=60'	W.O. # EF164045	FILE NO. 1920PW-IN0016
			FILE: SANTA ANA DELHI CHANNEL (F01)_TOPG_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

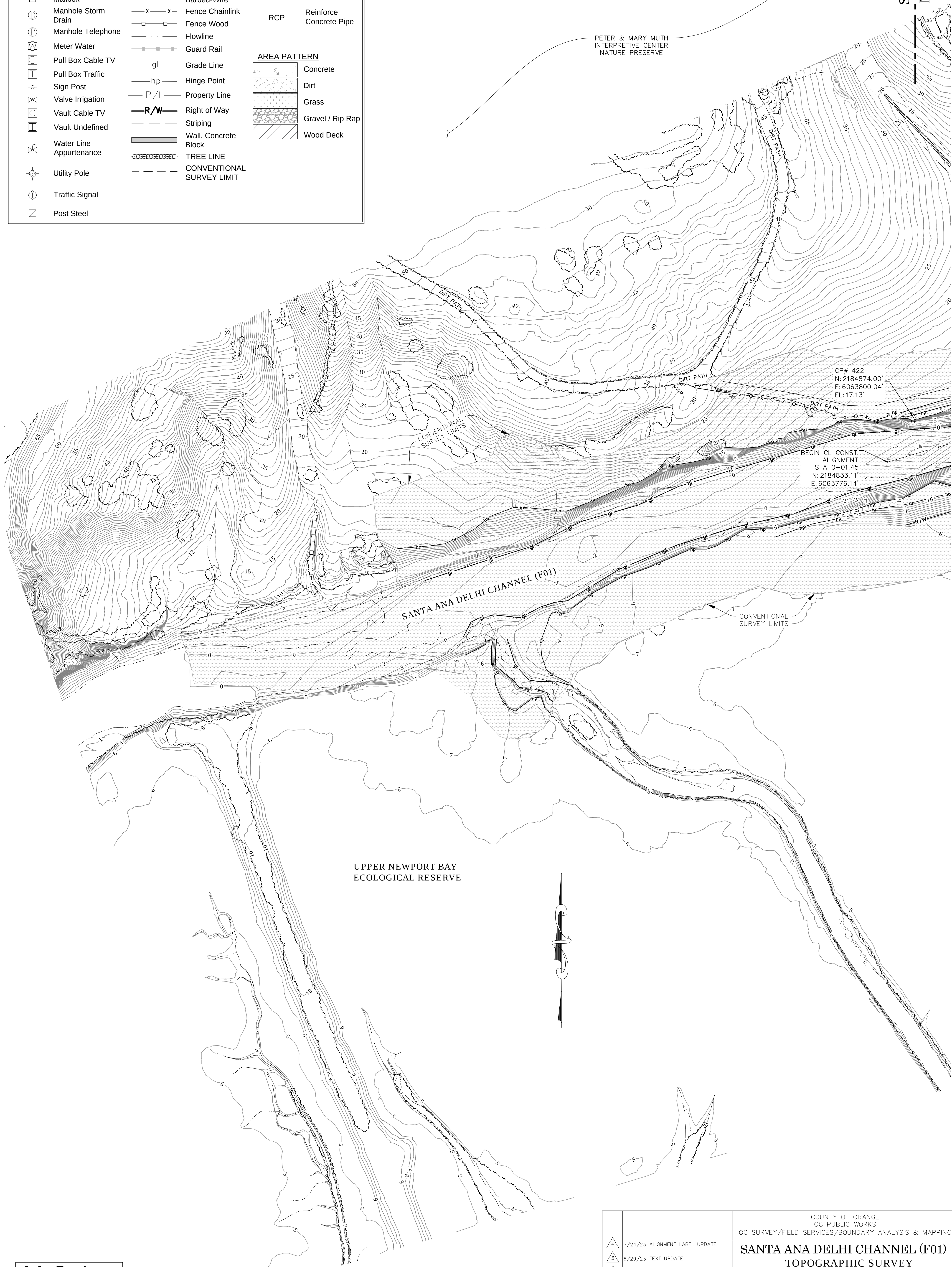
Concrete

Dirt

Grass

Gravel / Rip Rap

Wood Deck



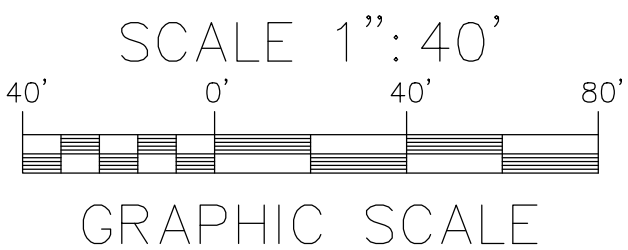
SEE SHEET 11
MATCH LINE

U.S. Survey

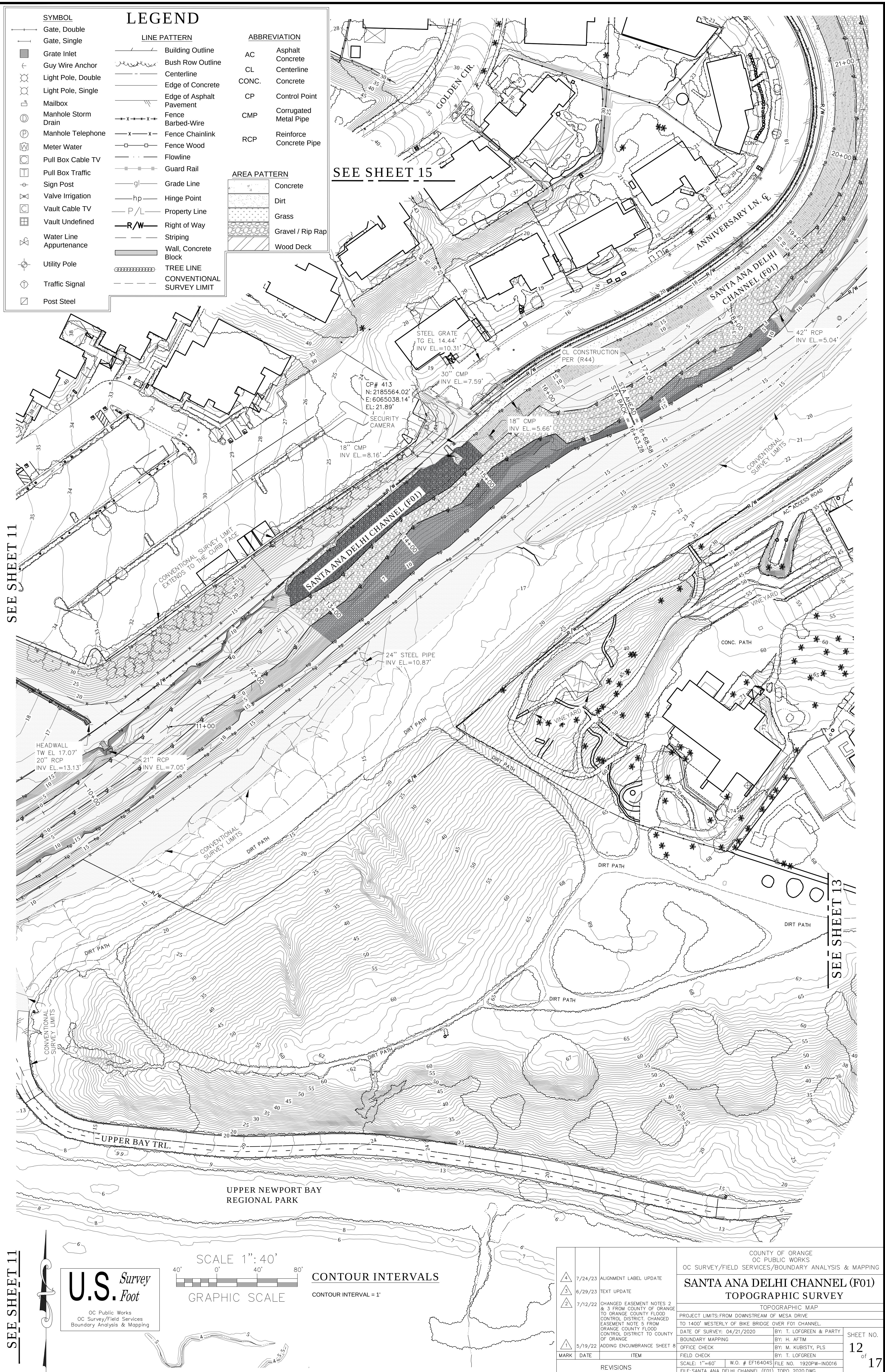
Foot

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

CONTOUR INTERVALS
CONTOUR INTERVAL = 1'



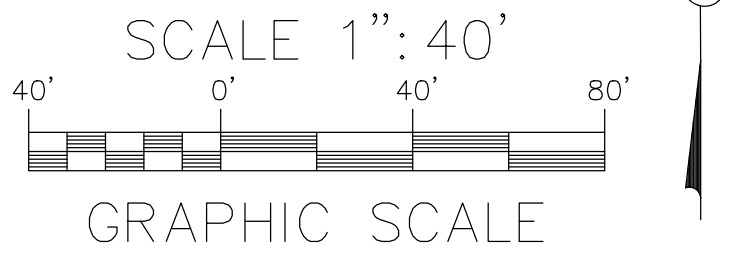
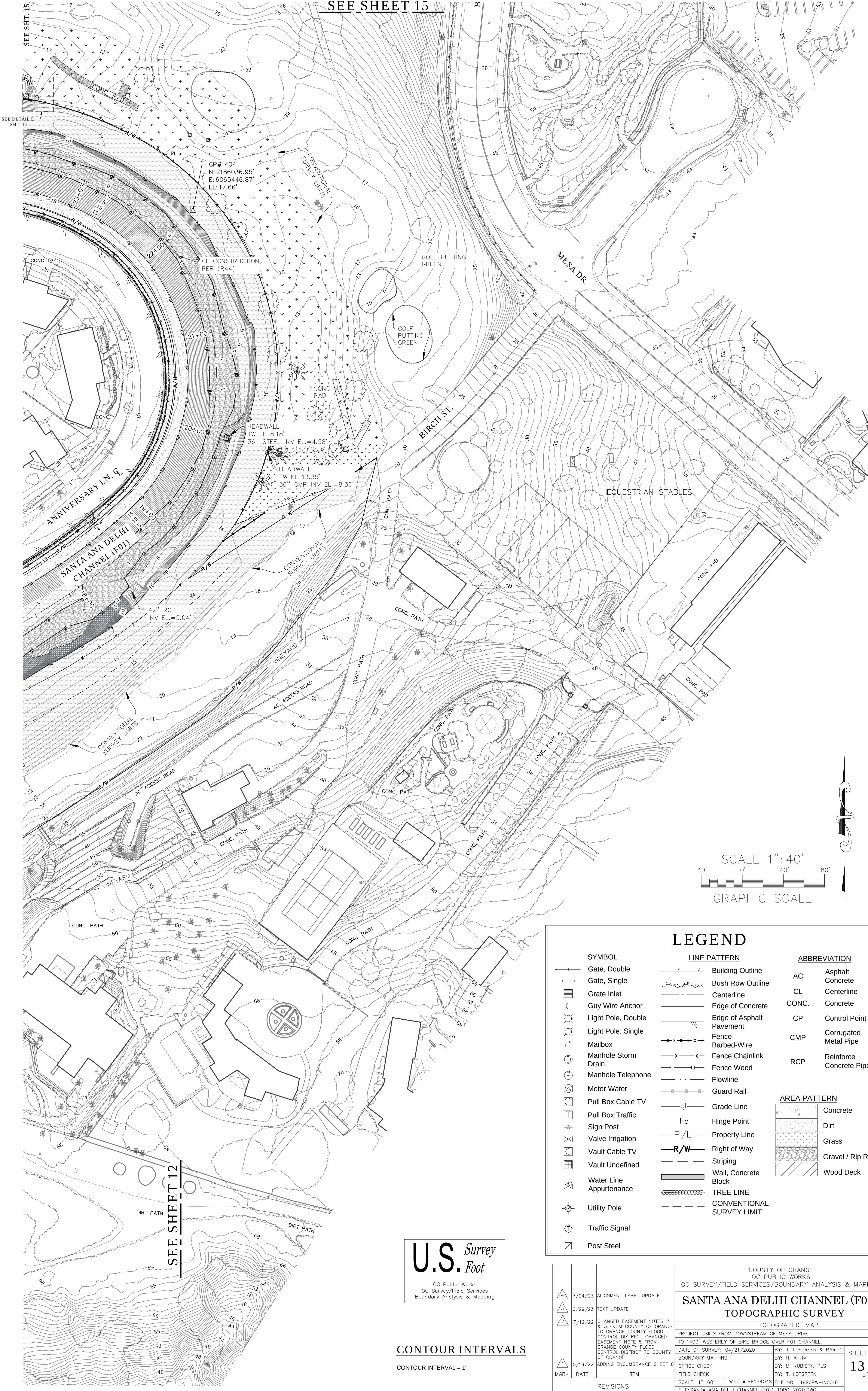
			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			SANTA ANA DELHI CHANNEL (F01) TOPOGRAPHIC SURVEY			
			TOPOGRAPHIC MAP			
			PROJECT LIMITS: FROM DOWNSTREAM OF MESA DRIVE TO 1400' WESTERLY OF BIKE BRIDGE OVER F01 CHANNEL			
			DATE OF SURVEY: 04/21/2020	BY: T. LOFGREEN & PARTY	SHEET NO. 10 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	
REVISIONS						
MARK	DATE	ITEM				
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 11

SEE SHEET 15

SEE DETAIL E
SHT. 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

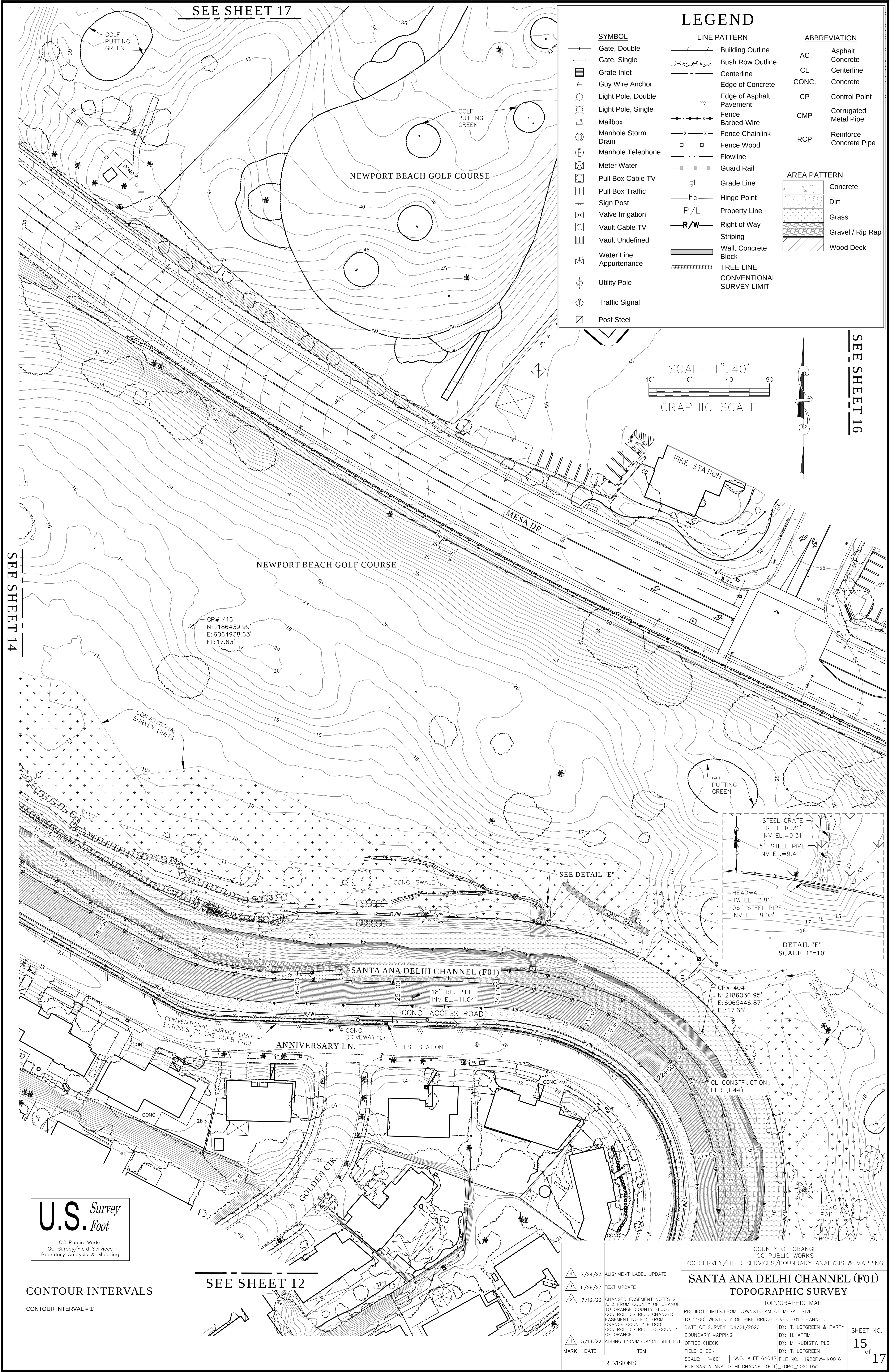
U.S. Survey Foot
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

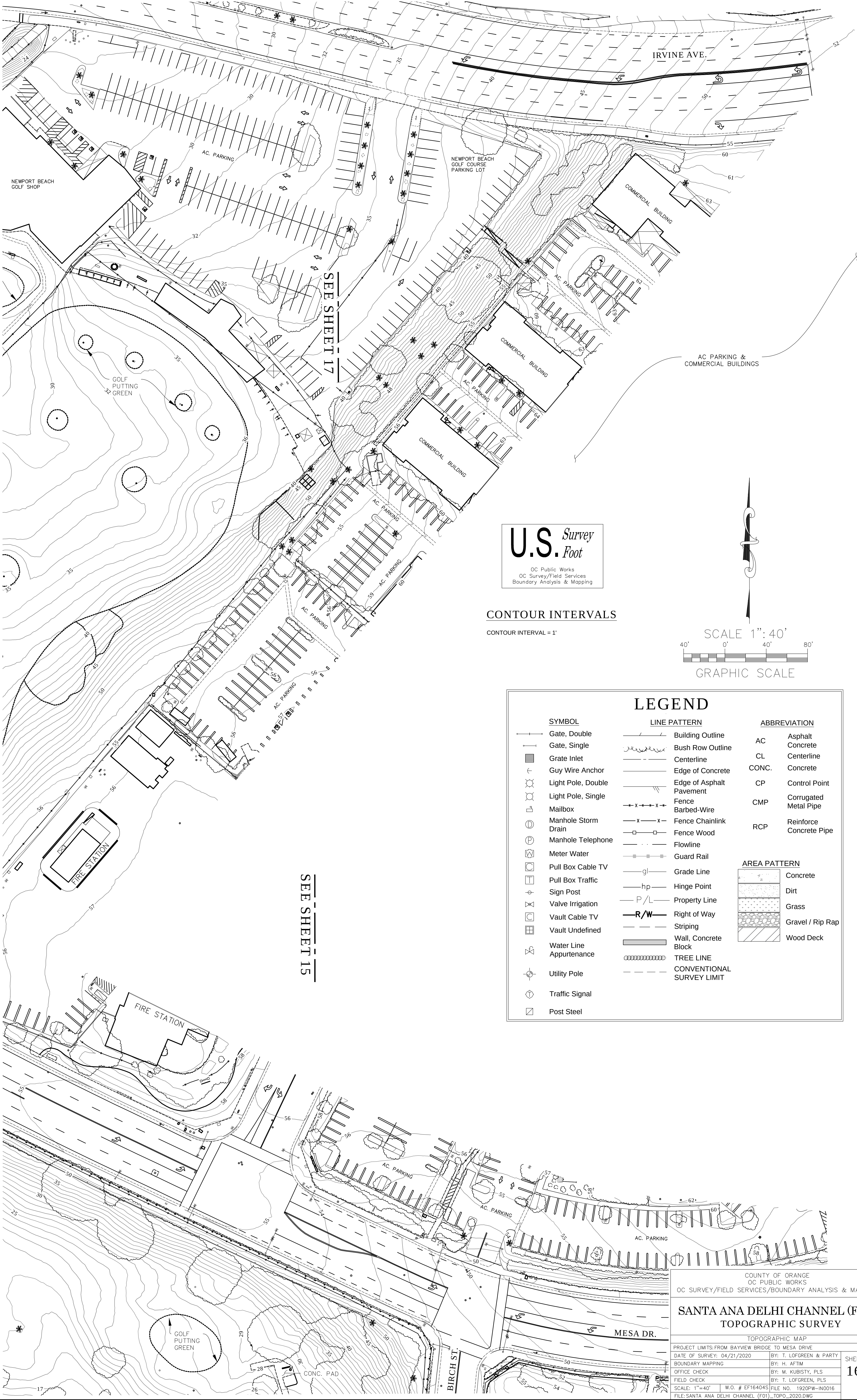
CONTOUR INTERVALS
CONTOUR INTERVAL = 1'

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
4	7/24/23	ALIGNMENT LABEL UPDATE	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: 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	
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			SHEET NO. 13 of 17	



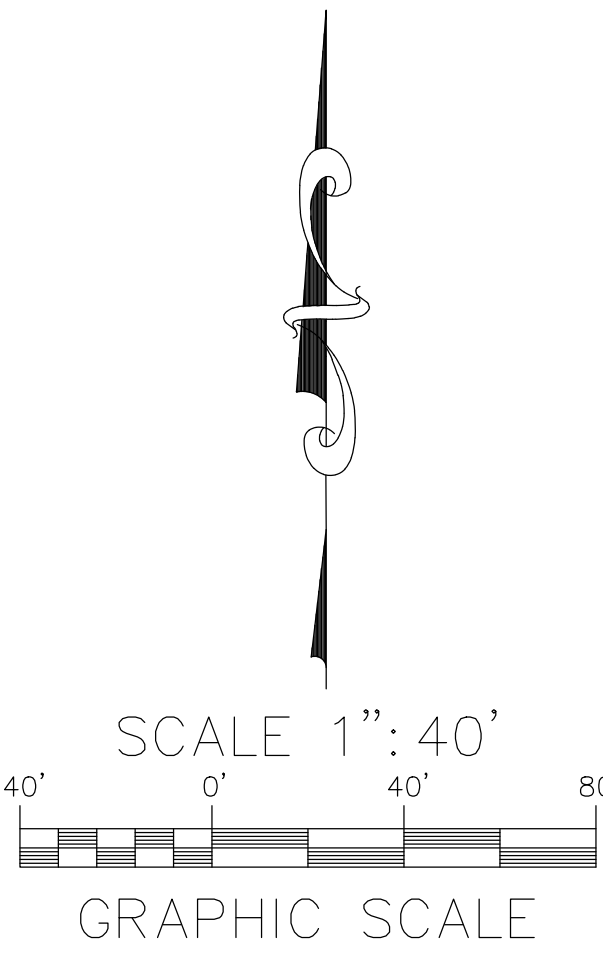
		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
4 7/24/23		ALIGNMENT LABEL UPDATE	
3 6/29/23		TEXT UPDATE	
2 7/12/22		CHANGED EASEMENT NOTES 2 & 3 FROM COUNTY OF ORANGE TO ORANGE COUNTY FLOOD CONTROL DISTRICT. CHANGED EASEMENT NOTE 5 FROM ORANGE COUNTY FLOOD CONTROL DISTRICT TO COUNTY OF ORANGE	
1 5/19/22		ADDING ENCUMBRANCE SHEET 8	
MARK	DATE	ITEM	
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 BOUNDARY MAPPING OFFICE CHECK FIELD CHECK SCALE: 1"=60' FILE NO. 1920PW-IN0016 BY: T. LOFGREEN & PARTY BY: H. AFTIM BY: M. KUBISTY, PLS BY: T. LOFGREEN W.O. # EF16404S FILE NO. 1920PW-IN0016 FILE: SANTA ANA DELHI CHANNEL (F01).TOPD_2020.DWG.			14 of 17
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U.S. Survey
Foot
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

CONTOUR INTERVALS
CONTOUR INTERVAL = 1'

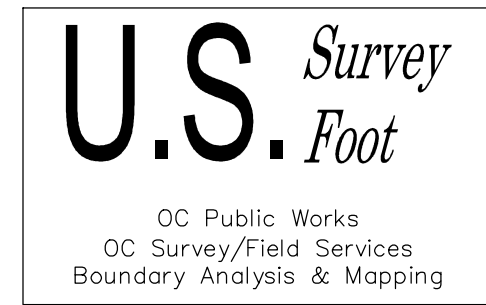


SYMBOL		LINE PATTERN		ABBREVIATION	
	Gate, Double		Building Outline	AC	Asphalt
	Gate, Single		Bush Row Outline	CL	Centerline
	Grate Inlet		Centerline	CONC.	Concrete
	Guy Wire Anchor		Edge of Concrete	CP	Control Point
	Light Pole, Double		Edge of Asphalt Pavement	CMP	Corrugated Metal Pipe
	Light Pole, 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				

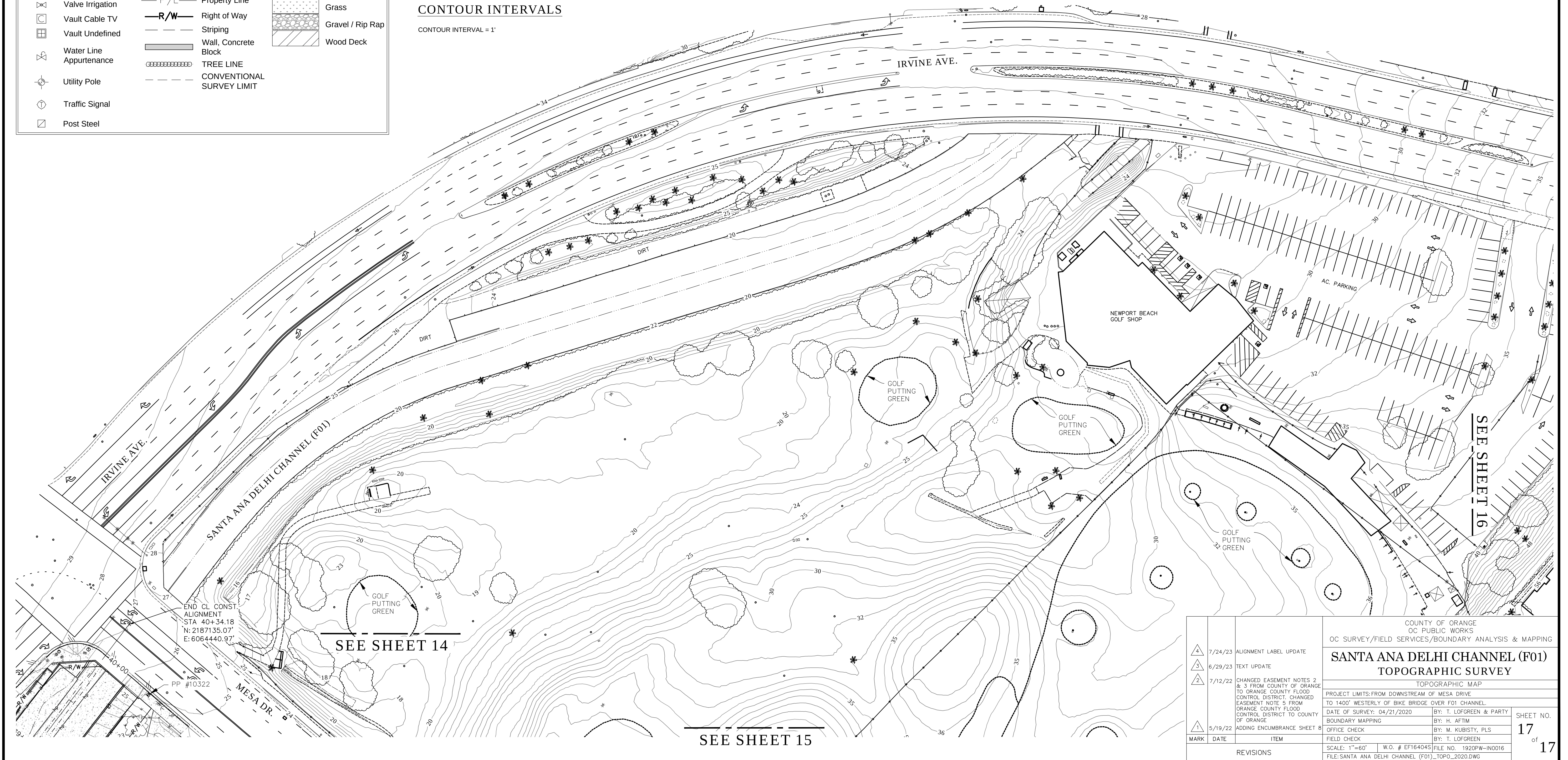
AREA PATTERN	
	Concrete
	Dirt
	Grass
	Gravel / Rip Rap
	Wood Deck

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	Centerline
		Centerline	CONC.	Concrete
		Edge of Concrete	CP	Control Point
		Edge of Asphalt Pavement	CMP	Corrugated Metal Pipe
		Fence Barbed-Wire	RCP	Reinforce Concrete Pipe
		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		



CONTOUR INTERVAL = 1'



			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 BOUNDARY MAPPING OFFICE CHECK FIELD CHECK	BY: T. LOFGREEN & PARTNER BY: H. AFTIM BY: M. KUBISTY, PLS BY: T. LOFGREEN
			SHEET NO. 17 of 17	
			SCALE: 1"=60' W.O. # EF160405 FILE NO. 1920PW-IN0016 FILE: SANTA ANA DELHI CHANNEL (F01)_TOPO_2020.DWG	
REVISIONS				