



OC PUBLIC WORKS DEPARTMENT
JAMES TREADAWAY, DIRECTOR
KEVIN HILLS, COUNTY SURVEYOR
LAGUNA CANYON CHANNEL (I02) SEGMENT I
CHANNEL MAINTENANCE PROJECT



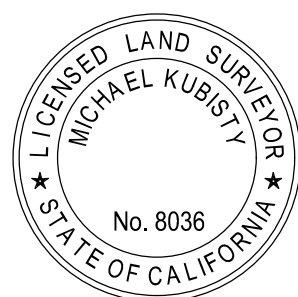
LOCATION MAP



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 7 DAY OF DECEMBER, 2020.

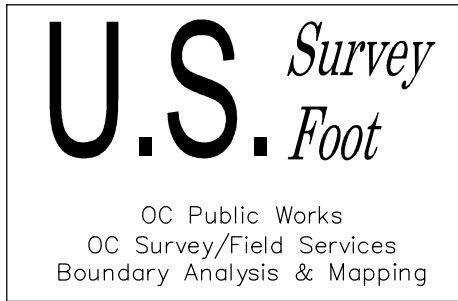
MICHAEL KUBISTY, PLS. SENIOR LAND SURVEYOR



DEPUTY COUNTY SURVEYOR'S STATEMENT:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS 7 DAY OF DECEMBER, 2020.

WADE WEAVER, PLS. DEPUTY COUNTY SURVEYOR



FOUND CGPS "WHYT"
N: 2191881.31'
E: 6137735.65'
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/).



TOPOGRAPHIC MAPPING PROJECT

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2007.00) EPOCH ADJUSTMENT, AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS GLOBAL POSITIONING STATIONS CGPS (WHYT) AND (SBCC) BEING NORTH 07°50'54" EAST AS DERIVED FROM THE COORDINATES PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC) ALONG WITH DATA SHEETS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.

HORIZONTAL DATUM

COORDINATES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS 2007.0 EPOCH ADJUSTMENT.

ALL DISTANCES SHOWN ARE GRID, UNLESS OTHERWISE NOTED. TO OBTAIN GROUND DISTANCES DIVIDE GRID BY 0.99996376.
ALL DISTANCES ARE BASED ON THE U.S. SURVEY FOOT.

VERTICAL DATUM

O.C.S. BM. 1E-71-69 ELEV. = 197.808' YEAR LEVELED: 1988

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

DESCRIPTION: FOUND 3 3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "3K-34-70", SET IN THE WESTERLY CORNER OF A 4 FT. BY 9 FT. CONCRETE CATCH BASIN. MONUMENT IS LOCATED ALONG THE SOUTHERLY SIDE OF LAGUNA CANYON ROAD (RTE 133) 0.4 MILES NORTHEASTERLY ALONG (RTE 133) FROM THE CENTERLINE OF PACIFIC COAST HIGHWAY, 39.5 FT. SOUTHWESTERLY OF THE CENTERLINE OF LAGUNA CANYON ROAD AND DIRECTLY ACROSS LAGUNA CANYON ROAD FROM A SIGN READING "HOME OF THE FESTIVAL OF ARTS LAGUNA BEACH" MONUMENT IS SET LEVEL WITH THE SIDEWALK.

NOTES

THE SURVEY INFORMATION SHOWN HEREON IS TO BE USED FOR TOPOGRAPHIC RELATIONSHIPS ONLY AND IS NOT INTENDED FOR LAND ACQUISITION OR BOUNDARY PURPOSES.
PARCELS SHOWN WITHOUT BEARING AND DISTANCES ARE FOR GRAPHICAL PURPOSES AND ARE PENDING RECEIPT OF TITLE REPORT.

SHEET INDEX

SHEET	NO.	DESCRIPTION
SHEET	1	TITLE SHEET
SHEETS	2-9	BOUNDARY/RIGHT OF WAY
SHEETS	10	ALIGNMENT SHEET
SHEETS	11-14	TOPOGRAPHIC MAP

ALIGNMENT NOTE

THE C/L CONSTRUCTION ALIGNMENT SHOWN HEREON WAS ESTABLISHED BY HOLDING A POINT PERPENDICULAR TO & 70' S'ELY OF STATION 45+03.58 HWY 133 WHICH WHICH IS EQUAL TO 27+84.31 C/L O.C.F.C.D CHANNEL PER (R49). STATIONING INCREASES N'LY & DECREASES S'WLY FROM SAID POINT & PARALLELS SAID C/L OF HWY.

PURPOSE OF SURVEY

THE PURPOSE OF THE SURVEY IS TO PROVIDE A TOPOGRAPHIC MAP AND RIGHT OF WAY ESTABLISHMENT FOR THIS PORTION OF THE LAGUNA CHANNEL (I 01).

COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
LAGUNA CANYON (I02) CHANNEL MAINTENANCE PROJECT			
TITLE SHEET			
FROM: 340' SOUTHERLY OF LAGUNA CANYON FRONTAGE ROAD			
TO: DOWNSTREAM OF MILIGAN DR.			
DATE OF SURVEY: OCTOBER, 2019		BY: T. LOFGREEN & PARTY	
TOPOGRAPHIC MAPPING		BY: H. AFTIM / R. BELTRAN	
OFFICE CHECK		BY: M. KUBISTY, PLS.	
FIELD CHECK		BY: T. LOFGREEN & PARTY	
SCALE: N.T.S.		W.O. #F21286	FILE NO. 1819PW-OP0010
FILE: LAGUNA CANYON CHANNEL SEGMENT 1_TOPO_2019.DWG			
12/5/20	ALIGNMENT UPDATE		
7/2/20	PTR UPDATE AT WOODLAND		
1/29/20	TEXT UPDATES		
MARK	DATE	ITEM	
REVISIONS			
			SHEET NO. 1 of 14

MONUMENT NOTES

- 403

FOUND PUNCHED SPIKE & WASHER STAMPED " CALTRANS," PER R3, DOWN 0.2' IN A.C. ACCEPTED AS CENTERLINE INTERSECTION OF BROADWAY & TRAVERSE LINE SHOWN ON R2.
- 419

FOUND PUNCHED SPIKE & WASHER PER R2 DOWN 0.2' IN A.C. ILLEGIBLE, ACCEPTED AS CENTERLINE INTERSECTION OF BEACH STREET & OCEAN AVE.
- 425

FOUND 3/4 " I.P. PER R1, HOLLOW, FLUSH IN DIRT LEANING N'WLY. N59°15'00"W 0.09' NOT ACCEPTED AS POINT ON N'WLY RIGHT OF WAY OCEAN AVE.
- 426

FOUND 3/4 " I.P. PER R1, HOLLOW, FLUSH IN DIRT LEANING N'WLY. N59°15'00"W 0.18' NOT ACCEPTED AS POINT ON N'WLY RIGHT OF WAY OCEAN AVE.
- 427

FOUND 1" I.P. WITH TAG STAMPED "RE 2708" PER R1 ACCEPTED AS POINT ON N'WLY RIGHT OF WAY OCEAN AVE.
- 428

FOUND LEAD & 3/4" BRASS TAG STAMPED "RCE 28328" PER R1, FLUSH IN CONCRETE, ACCEPTED AS 1.00' OFFSET TO THE N'WLY RIGHT OF WAY OF OCEAN AVE.
- 431

FOUND LEAD & 3/4" BRASS TAG PER R1, FLUSH IN CONCRETE, STAMPED " RCE 28328" ACCEPTED AS 1.00' OFFSET TO THE N'WLY RIGHT OF WAY OF OCEAN AVE.
- 432

FOUND LEAD & 1 1/4" BRASS TAG STAMPED "BC RW 4-92, PER R1, FLUSH IN CONCRETE, ACCEPTED AS B.C. IN S'WLY RIGHT OF WAY FOREST AVE.
- 434

FOUND MAG. NAIL & WASHER STAMPED "ORANGE COUNTY SURVEYOR" PER R2 FLUSH IN A.C., N25°35'05"E 1.65' FROM CENTERLINE INTERSECTION OCEAN AVE. & FOREST AVE.
- 444

FOUND LEAD & 3/4" BRASS TAG STAMPED "LS 3064" PER R7, FLUSH IN CONCRETE N62°18'25"W 0.48' NOT ACCEPTED AS CORNER "L" OF PARCEL 4 OF R7.
- 445

FOUND 1" BRASS TAG STAMPED "LS 1444" PER R7, FLUSH IN CONCRETE, ACCEPTED AS CORNER "H" OF PARCEL 4 OF R7.
- 446

FOUND 1 1/2" I.P. HOLLOW PER R7, FLUSH IN DIRT, ACCEPTED AS W'LY CORNER OF PARCEL 4 OF R7.
- 448

FOUND 1" I.P., WITH TAG STAMPED " LS 4139", PER R7, FLUSH IN DIRT, ACCEPTED AS THE NW CORNER OF PARCEL 4 OF R7.
- 449

FOUND LEAD AND TACK PER R14 FLUSH IN CONCRETE ACCEPTED AS THE B.C. OF THE SOUTHWESTERLY RIGHT OF WAY OF LAGUNA CANYON FRONTAGE ROAD.
- 452

FOUND 2" I.P. WITH NAIL PER R9, FLUSH IN DIRT, ACCEPTED AS E.C. OF THE 1968 CENTERLINE ALIGNMENT OF LAGUNA CANYON ROAD.
- 541

FOUND SPIKE & WASHER STAMPED O.C.S., PER R2, DOWN 0.2' IN A.C., ACCEPTED AS CENTERLINE INTERSECTION OF FOREST AVE., & THE N'ELY PROLONGATION OF THE CENTERLINE OF THE S'WLY PORTION OF THE LAGUNA CANYON CHANNEL (I02).
- 551

FOUND ROUND HEAD SPIKE & WASHER, ILLEGIBLE, NO REFERENCE, FLUSH IN A.C N08°27'49"E 0.46' FROM CENTERLINE P.J OF FOREST AVE.
- 560

FOUND GEAR SPIKE & WASHER STAMPED "KDM MERIDIAN, PLS 7564" PER R6, ACCEPTED AS THE CENTERLINE INTERSECTION OF FOREST AVE & LOMA PLACE.
- 563

FOUND GEAR SPIKE & WASHER STAMPED "PLS 7564" PER R6 & R1, ACCEPTED AS CENTERLINE P.J. OF FOREST AVE.
- 622

FOUND LEAD & 1 1/4" BRASS TAG PER R2, ILLEGIBLE, FLUSH IN TOP OF CURB, ACCEPTED AS CENTERLINE PROD. OF BROADWAY.
- 752

FOUND SPIKE & WASHER STAMPED O.C.S., PER R2, DOWN 0.2' IN A.C.ACCEPTED AS THE INTERSECTION OF FOREST AVE., & THE N'ELY PROLONGATION OF THE S'ELY LINE OF LOTS 8 & 9, BLK-4 OF M.M 4/58-59, & THE S'ELY LINE OF BLK-E OF TRACT 208, MM 22-18, & ALSO BOUNDARY LINE PER BOOK 95-338 OF DEEDS, AS SHOWN BY R2.
- 548

FOUND 1" I.P. WITH TAG ILLEGIBLE UNDER BRICK SIDEWALK ACCEPTED AS THE E.C. IN THE WESTERLY R/W OF FOREST AVENUE.
- 4496

FOUND MAG NAIL AND WASHER STAMPED "LS 5411" PER R39, FLUSH IN AC, SOUTHEASTERLY S62°43'07"E 0.27' NOT ACCEPTED AS THE BC OF LAGUNA CANYON FRONTAGE ROAD.
- 4497

FOUND LEAD AND TACK NO REFERENCE, FLUSH IN CONC. SIDEWALK, SOUTHEASTERLY S62°24'20"E 0.27' NOT ACCEPTED AS THE NORTHWESTERLY BC OF PARCEL 1 .
- 4463

FOUND CHISELED "+" IN TOP OF CURB PER R14, SOUTHEASTERLY S42°26'42"E 0.25' NOT ACCEPTED AS REFERENCE TO NORTHWESTERLY BC OF PARCEL 1.
- 4250

FOUND SPIKE AND 1 3/4" WASHER STAMPED "LS 3064" PER R25, DN 0.20' IN AC, SOUTHEASTERLY S61°11'52"E 0.19' NOT ACCEPTED AS THE EC OF LAGUNA CANYON FRONTAGE ROAD.
- 4504

FOUND 1" I.P. WITH TAG STAMPED "LS 3064" PER R25, DN 0.35' IN DIRT, SOUTHEASTERLY S46°31'36"E 0.11' NOT ACCEPTED AS THE BC OF PARCEL 2 .
- 4505

FOUND 1" I.P. WITH TAG STAMPED "LS 3064" PER R25, DN 0.35' IN DIRT, HELD FOR DISTANCE TO THE EC OF PARCEL 2 FROM ACCEPTED MONUMENT 4508 .
- 4506

FOUND 1" I.P. WITH TAG STAMPED "LS 3064" PER R25, DN 0.35' IN DIRT, ACCEPTED AS THE PI OF PARCEL 2 .
- 4511

FOUND 2" I.P. WITH TAG STAMPED "LS 3064" PER R19, DN 0.20' IN DIRT, ACCEPTED AS 5.00' OFFSET ALONG THE SOUTHEASTERLY LINE OF LOT 105.
- 4532

FOUND SPIKE AND WASHER STAMPED "LS 5411" PER R40, FLUSH IN AC, S39°49'57"W 0.08' HELD AS POINT ON CENTERLINE OF WOODLAND DRIVE.
- 4412

FOUND MAG NAIL AND 1 3/8" WASHER STAMPED "LS 5411" PER R40, FLUSH IN AC, S62°06'57"W 0.05' HELD FOR DISTANCE ALONG CENTERLINE OF WOODLAND DRIVE.
- 2014

FOUND SPIKE AND WASHER STAMPED "LS 5411" PER R40, FLUSH IN AC, ACCEPTED AS THE EC CENTERLINE OF WOODLAND DRIVE.
- 4766

FOUND PUNCHED SPIKE AND WASHER PER R25, ILLEGIBLE DN 0.30' IN AC, ACCEPTED AS THE BC CENTERLINE OF WOODLAND DRIVE.
- 4761

FOUND 2" I.P. PER R30, HOLLOW NO TAG, SOUTHEASTERLY S77°35'33"E 0.05' HELD FOR DISTANCE TO BC ALONG THE SOUTHWESTERLY LINE OF PARCEL B.
- 4100

FOUND SPIKE AND 1 1/4" WASHER STAMPED "CAL TRANS" PER R19, DN 0.25' IN AC ACCEPTED AS THE P.J. OF CENTERLINE WOODLAND DRIVE AND THE TANGENT LINE OF LAGUNA CANYON ROAD 1968 ALIGNMENT.
- 4464

FOUND 2" I.P. WITH TAG STAMPED "LS 3064",NO REFERENCE DN 0.80' IN DIRT, S86°30'14"E 0.09' NOT ACCEPTED AS THE BC OF THE 1968 CL OF LAGUNA CANYON ROAD.
- 4406

FOUND 3 1/2" ALUMINUM DISK STAMPED "LC4" PER R9, FLUSH IN DIRT, ACCEPTED AS THE NORTHEASTERLY TERMINUS OF THE 4.77' OFFSET LINE PER R9.
- 4519

FOUND 1 1/2' I.P. NO REFERENCE, ILLEGIBLE PLASTIC PLUG FLUSH IN DIRT, N71°34'55"E 0.07' NOT ACCEPTED AS THE NORTHWEST CORNER OF LOT 95 .
- 4516

FOUND 1" I.P. WITH TAG STAMPED "LS 4139' PER R41, FLUSH IN FLAGSTONE, ACCEPTED AS THE SOUTHEAST CORNER OF LOT 95 .
- 4518

FOUND 1" I.P. WITH TAG STAMPED "LS 4139' PER R41, FLUSH IN DIRT, ACCEPTED AS THE NORTHEAST CORNER OF LOT 83.
- 4514

FOUND 1 1/2" I.P WITH TAG STAMPED "LS 4139' PER R41, FLUSH IN DIRT, ACCEPTED AS THE SOUTHEAST CORNER OF LOT 83.
- 4781

FOUND 1" IP WITH TAG STAMPED "LS 3064" PER 41, DN 0.50' IN DIRT, NORTHEASTERLY N42°46'45"E 0.07' HELD AS POINT ON NORTHWESTERLY LINE OF LOT 76.
- 4468

FOUND 1" I.P. WITH TAG STAMPED "LS 4384' PER R32, DN 0.65' IN DIRT, SOUTHEASTERLY S86°27'15E 0.08' NOT ACCEPTED AS THE INTERSECTION OF 1968 CL LAGUNA CANYON ROAD HELD FOR CL MILLIGAN DRIVE.
- 4467

FOUND CONC. NAIL AND TAG STAMPED "LS 4384" , FLUSH IN AC, ACCEPTED AS POINT ON CL MILLIGAN DRIVE.
- 4466

FOUND GEAR SPIKE & WASHER STAMPED "LS 4384" PER R32, FLUSH IN AC, ACCEPTED AS POINT ON CL MILLIGAN DRIVE PER R32.
- 4471

FOUND 1" I.P. WITH TAG STAMPED "LS 4384' PER R32, DN 1.30' IN DIRT, ACCEPTED AS THE SOUTHWEST CORNER OF PARCEL 2.
- 4472

FOUND 1" I.P. PER R32, HOLLOW, DN 0.65' IN DIRT, ACCEPTED AS THE WESTERLY CORNER OF PARCEL 2.
- 4473

FOUND 1" I.P. PER R32, HOLLOW DN 0.65' IN DIRT, ACCEPTED AS THE WESTERLY CORNER OF PARCEL 2.
- 4755

FOUND 1" I.P. WITH TAG STAMPED "LS 4384" PER R32, FLUSH IN AC, ACCEPTED AS THE SOUTHWEST CORNER OF LOT A.
- 4213

FOUND 1" I.P. WITH TAG STAMPED "LS 4384" PER R32, FLUSH IN AC, ACCEPTED AS THE SOUTHERLY CORNER OF LOT A.
- 4218

FOUND 1" I.P. WITH TAG STAMPED "LS 4384" PER R32, FLUSH IN AC, ACCEPTED AS THE SOUTHERLY ANGLE POINT OF LOT A.
- 4762

FOUND 1" I.P. WITH TAG STAMPED "LS 4384" PER R32, FLUSH IN AC, ACCEPTED AS THE EASTERLY CORNER OF LOT A.
- 4760

FOUND 1" I.P. WITH PLASTIC PLUG STAMPED "LS 4384" PER R32 ,FLUSH IN AC, ACCEPTED AS THE EASTERLY CORNER OF LOT A.
- 4759

FOUND 1" I.P. WITH TAG STAMPED "LS 4384" PER R32, FLUSH IN AC, ACCEPTED AS THE EASTERLY ANGLE POINT OF LOT A.
- 4758

FOUND 1" I.P. PER R32, HOLLOW FLUSH IN AC, ACCEPTED AS THE EASTERLY ANGLE POINT OF LOT A.
- 4757

FOUND 1" I.P. WITH TAG STAMPED "LS 4384" PER R32, FLUSH IN AC, ACCEPTED AS THE EASTERLY ANGLE POINT OF LOT A.
- 4756

FOUND 1" I.P. WITH TAG STAMPED "LS 4384" PER R32 ,FLUSH IN AC, ACCEPTED AS THE NORTHEAST CORNER OF LOT A.
- 4474

FOUND 1" I.P. WITH TAG STAMPED "LS 4384" PER R32 ,FLUSH IN AC, ACCEPTED AS THE NORTHWEST CORNER OF LOT A.
- 4475

FOUND 1" I.P. WITH TAG STAMPED "LS 3064" PER R32 ,FLUSH IN DIRT, ACCEPTED AS THE NORTHEAST CORNER OF PARCEL 1.
- 4414

FOUND A BROKEN GEAR SPIKE NO REFERENCE DN 0.25' IN AC, ACCEPTED AS THE CENTERLINE PI OF CANYON ACRES DRIVE.
- 4753

FOUND A BROKEN SPIKE SHAFT NO REFERENCE, DN 0.25' IN AC, NORTHEASTERLY N37°21'25E 0.07' FROM INTERSECTION HELD AS POINT ON CENTERLINE 1968 LAGUNA CANYON ROAD.
- 470

FOUND GEAR SPIKE AND WASHER STAMPED "RCE 28328" PER34, FLUSH IN AC, ACCEPTED CENTERLINE PI OF ARROYO DRIVE.
- 4401

FOUND SPIKE WITH PUNCH & 1 1/4" WASHER STAMPED "CAL TRANS" PER R37, DN 0.20' IN AC, ACCEPTED AS E.C. CENTERLINE 1968 LAGUNA CANYON ROAD.
- 4488

FOUND 1" I.P. NO REFERENCE, NO TAG DN 2.5' IN DT, ACCEPTED AS NORTHWEST CORNER OF PARCEL 1 .
- 4494

FOUND 1" I.P. PER R37, NO TAG UP 0.70' IN DIRT, ACCEPTED AS THE NORTHEAST CORNER OF PARCEL 1.

NOTE

THE LOT LINES ARE FOR GRAPHICAL PRESENTATION ONLY.

LEGEND

- FOUND MONUMENT AS NOTED
- ▲ ESTABLISHED BY TIES SEE ESTABLISHMENT NOTES

LINE TABLE

CL ROADWAY	_____
SURVEY GEOMETRY	- - - - -
STATE HIGHWAY RIGHT-OF-WAY	_____ R/W _____ R/W _____

		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
		LAGUNA CHANNEL (I02) CHANNEL MAINTENANCE PROJECT			
		TOPOGRAPHIC MAP			
		FROM: FOREST AVE. TO: CANYON ACRES DRIVE			
MARK	12/5/20	ALIGNMENT UPDATE	DATE OF SURVEY: NOV 2019	BY: T. LOFGREEN	SHEET NO. 2 of 14
	7/2/20	PTR UPDATE AT WOODLAND	TOPOGRAPHIC MAPPING	BY: T. LOFGREEN/ R. BELTRAN	
	1/29/20	TEXT UPDATES	OFFICE CHECK	BY: M. KUBISTY, PLS.	
	DATE	ITEM	FIELD CHECK	BY: T. LOFGREEN	
REVISIONS			SCALE: W.O. #EF21286	FILE NO.	
			FILE: LAGUNA_CHANNEL_BOUNDARY_PHASE_II_2019.DWG		

ESTABLISHMENT NOTES:

- CENTERLINE OF OCEAN AVE ESTABLISHED BETWEEN MONUMENT NOTE [419] & ESTABLISHMENT NOTE (2)
- (2) S.F.N., ESTABLISHED THE INTERSECTION OF OCEAN AVENUE & FOREST AVENUE BY THE N'E'LY PROLONGATION OF A LINE BETWEEN MONUMENT NOTE [419] & ESTABLISHMENT NOTE (3) & AT RECORD DISTANCE N'W'LY PER R1 FROM ACCEPTED MONUMENT [563]. FITS RECORD DISTANCE BETWEEN MONUMENT NOTE [419] & ESTABLISHMENT NOTE (2) PER R1.
- (3) CENTERLINE OF FOREST AVE ESTABLISHED BETWEEN MONUMENT NOTE [563] & ESTABLISHMENT NOTE (2)
- (4) S.F.N. ESTABLISHED BY PROPORTION BETWEEN MONUMENT NOTES [622] & [403]
- (5) CENTERLINE BROADWAY ESTABLISHED BETWEEN MONUMENT NOTE [622] & MONUMENT NOTE [403]
- (6) CENTERLINE BROADWAY ESTABLISHED HOLDING RECORD DIMENSIONS FROM TRAVERSE LINE PER R9 BETWEEN MONUMENT NOTE [403] & ESTABLISHMENT NOTE (7)
- (7) SFN. ESTABLISHED HOLDING RECORD ANGLE AND DISTANCE PER R7 N'E'LY FROM MONUMENT NOTE [403]
- (8) CENTERLINE OF FOREST AVE ESTABLISHED BETWEEN ESTABLISHMENT NOTES (10) & (7)
- (9) CENTERLINE OF FOREST AVE ESTABLISHED BETWEEN ESTABLISHMENT NOTES (2) & (10)
- (10) S.F.N. ESTABLISHED BY INTERSECTION FROM THE N'W'LY PROLONGATION OF A LINE BETWEEN MONUMENT NOTES [563] & ESTABLISHMENT NOTE (2) & THE S'E'LY PROLONGATION OF A LINE BETWEEN MONUMENT NOTES [752] & [541] FITS RECORD DISTANCE BETWEEN ESTABLISHMENT NOTES (2) & (10) PER R2.
- (11) S'W'LY RIGHT OF WAY OF FOREST AVE ESTABLISHED PER LOT LINE ADJUSTMENT O.R. 199500424662.
- (12) CENTERLINE OF FOREST AVE ESTABLISHED BETWEEN ESTABLISHMENT NOTE (2) & (7)
- (13) ESTABLISHED HOLDING RECORD DISTANCE PER R5 N'W'LY ALONG THE CENTERLINE OF FOREST AVE BETWEEN ESTABLISHMENT NOTES (10) & (7)
- (14) ESTABLISHED S'E'LY PROLONGATION OF R5 BETWEEN ESTABLISHMENT NOTES (13) & (15)
- (15) ESTABLISHED AS THE P.O.B. FOR R5 BY HOLDING RECORD DISTANCE & ANGLE PER R5 FROM ESTABLISHMENT NOTE (13)
- (16) ESTABLISHED THE INTERSECTION OF THE N'E'LY RIGHT OF WAY FOREST AVE & THE CENTERLINE OF THE LAGUNA CANYON CHANNEL (102) BY HOLDING RECORD DISTANCE PER R8 N'W'LY ALONG THE N'E'LY RIGHT OF WAY OF SAID FOREST AVE FROM ESTABLISHMENT NOTE (15) POSITION IS ALSO THE P.O.B. FOR SAID R8
- (17) ESTABLISHED THE B.C. OF THE CENTERLINE OF THE LAGUNA CANYON CHANNEL (102) BY RECORD ANGLE & DISTANCE FROM ESTABLISHMENT NOTE (16) PER R8.
- (18) CENTERLINE OF THE LAGUNA CHANNEL (102) ESTABLISHED BY HOLDING RECORD DATA BETWEEN ESTABLISHMENT NOTES (16) & (19) PER R8.
- (19) ESTABLISHED BY RECORD ANGLE PER R7 & RECORD DISTANCE PER R17 FROM ESTABLISHMENT NOTE (20) .
- (20) ESTABLISHED BY RECORD ANGLE & DISTANCE FROM ESTABLISHMENT NOTE (21) PER R7.
- (21) ESTABLISHED AT RECORD DISTANCE PER R7 N'LY ALONG THE E'LY RIGHT OF WAY OF LAGUNA CANYON ROAD FROM ESTABLISHMENT NOTE (22)
- (22) ESTABLISHED POINT IN E'LY RIGHT OF WAY OF THE LAGUNA CANYON ROAD 1914 ALIGNMENT PERPENDICULAR TO & AT RECORD DISTANCE PER R7 FROM ESTABLISHMENT NOTE (23)
- (23) ESTABLISHED AT RECORD DISTANCE N'E'LY ALONG THE CENTERLINE OF LAGUNA CANYON ROAD BETWEEN ESTABLISHMENT NOTES (29) & (30) PER R7.
- (24) S.F.N. ESTABLISHED CENTERLINE B.C. OF LAGUNA CANYON ROAD 1968 ALIGNMENT BY TIES PER R15
- (25) ESTABLISHED POINT ON CENTERLINE OF LAGUNA CANYON ROAD 1968 ALIGNMENT BY TIES PER R15
- (26) ESTABLISHED POINT ON CENTERLINE OF LAGUNA CANYON ROAD 1968 ALIGNMENT BY TIES PER R15
- (27) S.F.N. ESTABLISHED P.I. OF LAGUNA CANYON ROAD 1968 ALIGNMENT BY LEAST SQUARES ADJUSTMENT BETWEEN ESTABLISHMENT NOTES (7) & (24) DID NOT ACCEPT TIES PER R15.
- (28) ESTABLISHED BY RECORD DISTANCE PER R2 N'W'LY FROM ESTABLISHMENT NOTE (7)
- (29) ESTABLISHED P.I. OF THE CENTERLINE OF LAGUNA CANYON ROAD 1914 ALIGNMENT BY HOLDING RECORD OFFSET DIMENSIONS PARALLEL TO & PERPENDICULAR WITH THE 1968 CENTERLINE ALIGNMENT PER R2, R16, & R18.
- (30) ESTABLISHED P.I. OF THE CENTERLINE OF LAGUNA CANYON ROAD 1914 ALIGNMENT BY HOLDING RECORD DISTANCE PER R7 & OFFSET DIMENSIONS PARALLEL TO & PERPENDICULAR WITH THE 1968 CENTERLINE ALIGNMENT PER R16 & R18.
- (31) CENTERLINE OF LAGUNA CANYON ROAD 1914 ALIGNMENT ESTABLISHED BY HOLDING RECORD OFFSET DIMENSIONS PARALLEL TO & PERPENDICULAR WITH THE 1968 CENTERLINE ALIGNMENT PER R2.
- (32) CENTERLINE OF LAGUNA CANYON ROAD 1968 ALIGNMENT ESTABLISHED BETWEEN ESTABLISHMENT NOTES (7) (27) (24) (25) (26) & MONUMENT NOTE [452]
- (33) ESTABLISHED POINT IN THE CENTERLINE OF OCEAN AVENUE AT 29.00' FROM ACCEPTED MONUMENT [431] AT A RIGHT ANGLE FROM ACCEPTED MONUMENT [428]
- (34) ESTABLISHED THE CENTERLINE OF OCEAN AVENUE BETWEEN ACCEPTED MONUMENT [419] & ESTABLISHMENT NOTE (3)
- (35) ESTABLISHED THE INTERSECTION OF CENTERLINE TANGENTS OF FOREST AVENUE (THIRD STREET) & OCEAN AVENUE PER R5.
- (36) ESTABLISHED THE CENTERLINE OF LAGUNA CANYON ROAD 1968 ALIGNMENT BETWEEN ESTABLISHMENT NOTE (25) & ESTABLISHMENT NOTE (26)
- (37) ESTABLISHED THE BC CENTERLINE OF LAGUNA CANYON ROAD 1968 ALIGNMENT BY TIES PER R18 & R19.
- (38) ESTABLISHED THE CENTERLINE OF LAGUNA CANYON ROAD 1968 ALIGNMENT BETWEEN ESTABLISHMENT NOTE (37) & ACCEPTED MONUMENT [452]
- (39) ESTABLISHED CENTERLINE P.I. OF LAGUNA CANYON ROAD 1968 ALIGNMENT BY THE NORTHEASTERLY PROLONGATION OF THE LINE ESTABLISHED BY NOTE (36) & THE SOUTHWESTERLY PROLONGATION THE LINE ESTABLISHED BY ESTABLISHMENT NOTE (38)
- (40) ESTABLISHED THE P.I. OF THE OFFSET LINE PER R9 BY INTERSECTION OF THE NORTHEASTERLY PROLONGATION OF THE LINE ESTABLISHED BY ESTABLISHMENT NOTE (38) & THE SOUTHWESTERLY PROLONGATION OF A LINE OFFSET HOLDING RECORD DIMENSION PARALLEL WITH THE 1968 CENTERLINE ALIGNMENT PER R9 ESTABLISHED BY NOTE (38)
- (41) S.F.N. ESTABLISHED THE CENTERLINE INTERSECTION OF WOODLAND DRIVE & LAGUNA CANYON FRONTAGE ROAD BY TIES PER R42.
- (42) S.F.N. ESTABLISHED A POINT ON CENTERLINE CANON ACRES DRIVE BY TIES PER R43.
- (43) S.F.N. ESTABLISHED THE CENTERLINE INTERSECTION OF CANYON ACRES DRIVE & ARROYO DRIVE BY TIES PER R44.
- (44) ESTABLISHED THE CENTERLINE OF WOODLAND DRIVE BY ACCEPTED MONUMENTS [4100] [4412] AND [4768]
- (45) ESTABLISHED THE CENTERLINE OF CANYON ACRES DRIVE BETWEEN ESTABLISHMENT NOTE (43) AND ACCEPTED MONUMENT [4414]
- (46) ESTABLISHED BY THE P.I. CENTERLINE LAGUNA CANYON ROAD 1914 & 1929 ALIGNMENT BY RECORD DIMENSIONS PER R19.
- (47) ESTABLISHED CENTERLINE LAGUNA CANYON ROAD 1914 AND 1929 ALIGNMENT BY LEAST SQUARES ADJUSTMENT BETWEEN ESTABLISHMENT NOTE (40) AND ESTABLISHMENT NOTE (46)
- (48) ESTABLISHED CENTERLINE LAGUNA CANYON ROAD 1914 AND 1929 ALIGNMENT BY LEAST SQUARES ADJUSTMENT BETWEEN ESTABLISHMENT NOTE (46) AND ACCEPTED MONUMENT [4401]
- (49) ESTABLISHED CITY OF LAGUNA BEACH RIGHT OF WAY OF LAGUNA CANYON FRONTAGE ROAD HOLDING RECORD DIMENSIONS PER R23 AND PARALLEL TO CENTERLINE LAGUNA CANYON ROAD 1968 ALIGNMENT ESTABLISHED BY NOTE (38) . THIS AREA PENDING RECEIPT OF TITLE REPORT.
- (50) ESTABLISHED CENTERLINE OF LAGUNA CANYON FRONTAGE ROAD PER R21, R14, AND R25 BY RECORD DIMENSIONS AND OFFSET PARALLEL TO SOUTHEASTERLY RIGHT OF WAY LAGUNA CANYON FRONTAGE ROAD ESTABLISHED BY NOTE (49)
- (51) CENTERLINE OF MILLIGAN AVENUE ESTABLISHED BETWEEN ACCEPTED MONUMENTS [4468] AND [4466]
- (52) ESTABLISHED BC CENTERLINE LAGUNA CANYON ROAD 1968 ALIGNMENT BY ESTABLISHMENT NOTE (48)
- (53) ESTABLISHED EC LAGUNA CANYON ROAD (STATE HIGHWAY 133) 1914 & 1929 ALIGNMENT AT RECORD DISTANCE FROM ESTABLISHMENT NOTE (52)
- (54) ESTABLISHED BC IN THE CENTERLINE OF LAGUNA CANYON ROAD 1968 ALIGNMENT AT 30.00' FROM ESTABLISHMENT NOTE (53) AT A RIGHT ANGLE FROM ESTABLISHMENT NOTE (52)
- (55) ESTABLISHED EC IN THE CENTERLINE OF LAGUNA CANYON ROAD 1968 ALIGNMENT AT 30.00' FROM ESTABLISHMENT NOTE (52) AT A RIGHT ANGLE FROM ESTABLISHMENT NOTE (53)
- (56) ESTABLISHED THE CENTERLINE OF LAGUNA CANYON ROAD 1968 ALIGNMENT BETWEEN ESTABLISHMENT NOTES (54) & (55)
- (57) ESTABLISHED THE CENTERLINE CURVE CONCAVE TO THE NORTHWEST BETWEEN ESTABLISHMENT NOTES (58) & (59) TANGENT TO CENTERLINES ESTABLISHED BY ESTABLISHMENT NOTES (38) AND (56)
- (58) ESTABLISHED THE NORTH LINE OF LOT 1 SEC 24, T7S, R9W, S.B.B.M. PER R37 BETWEEN ACCEPTED MONUMENTS [4488] AND [4494]

NOTE

THE LOT LINES ARE FOR GRAPHICAL PRESENTATION ONLY.

LEGEND

- FOUND MONUMENT AS NOTED
▲ ESTABLISHED BY TIES SEE ESTABLISHMENT NOTES

LINE TABLE

CL ROADWAY _____

SURVEY GEOMETRY _____

STATE HIGHWAY RIGHT-OF-WAY _____ R/W _____ R/W _____

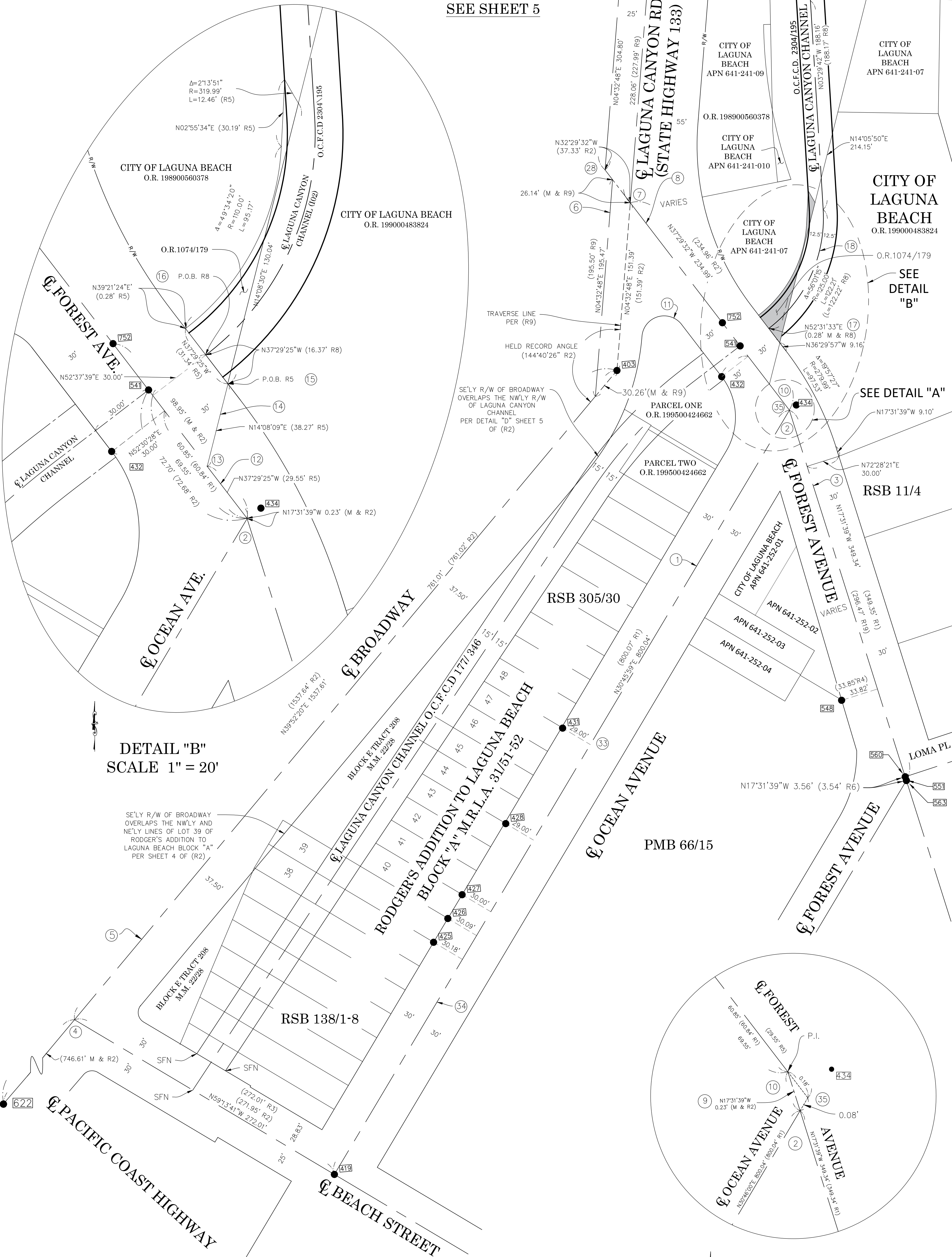
- ESTABLISHED NORTHEASTERLY LINE OF LOT 99 PARALLEL WITH, AND 15' PER R30 FROM ESTABLISHMENT NOTE 44)
- ESTABLISHED SOUTHEASTERLY RIGHT OF WAY OF 1914 & 1929 LAGUNA CANYON ROAD PARALLEL WITH, PERPENDICULAR TO AND 25' PER R28 FROM ESTABLISHMENT NOTE 47)
- ESTABLISHED HOLDING RECORD CURVE DATA PER R50 S'ELY FROM ESTABLISHMENT NOTE 62)
- ESTABLISHED THE POINT OF COMMENCEMENT FOR R50 BY HOLDING RECORD COURSES, PER BOOK 450 PAGE 1 O.R., N'WLY ALONG LINE ESTABLISHMENT 69) FROM ESTABLISHMENT NOTE 66)
- ESTABLISHED HOLDING RECORD CURVE DATA PER R30 SOUTHEASTERLY FROM ESTABLISHMENT NOTE 62)
- ESTABLISHED THE MOST WESTERLY CORNER OF R30 HOLDING RECORD DISTANCE, PER R30 FROM ESTABLISHMENT NOTE 62) PARALLEL WITH, PERPENDICULAR TO AND 25' FROM ESTABLISHMENT NOTE 47)
- ESTABLISHED THE MOST SOUTHERLY CORNER OF LOT 104 OF R30 HOLDING RECORD ANGLE AND DISTANCE PER R30 AT ESTABLISHMENT NOTE 64) FROM ESTABLISHMENT NOTE 62)
- ESTABLISHED THE MOST EASTERLY CORNER OF LOT 99, OF R30 HOLDING RECORD DISTANCE PER R30 FROM ESTABLISHMENT NOTE 63) PARALLEL WITH, AND PERPENDICULAR 15' FROM ESTABLISHMENT NOTE 44)
- ESTABLISHED THE SOUTHEASTERLY LINES OF LOTS 104, 103, 102, 101, 100, AND 99 OF R30 HOLDING RECORD ANGLES AND DISTANCES PER R30 BETWEEN ESTABLISHMENT NOTES 65) AND 66)
- ESTABLISHED THE WESTERLY CORNER OF R49 HOLDING RECORD DISTANCE PER R49 FROM SOUTHEASTERLY FROM ESTABLISHMENT NOTE 64) BETWEEN ESTABLISHMENT NOTES 64) AND 65)
- ESTABLISHED A LINE PARALLEL WITH AND 80.00' SOUTHEASTERLY OF LAGUNA CANYON CHANNEL PER R49 FROM ESTABLISHMENT NOTE 66)
- ESTABLISHED THE WESTERLY CORNER OF R46 HOLDING RECORD DISTANCE PER R46 FROM ESTABLISHMENT NOTE 64) BETWEEN ESTABLISHMENT NOTES 64) AND 65)
- ESTABLISHED THE NORTHERLY CORNER OF R46 HOLDING RECORD ANGLE AND DISTANCE PER R46 AT ESTABLISHMENT NOTE 70) FROM ESTABLISHMENT NOTE 65)
- ESTABLISHED THE NORTHERLY CORNER OF R47 HOLDING RECORD ANGLE AND DISTANCE PER R47 AT ESTABLISHMENT NOTE 71) FROM ESTABLISHMENT NOTE 70)
- ESTABLISHED THE NORTHERLY CORNER OF R48 HOLDING RECORD ANGLE AND DISTANCE PER R48 AT ESTABLISHMENT NOTE 72) FROM ESTABLISHMENT NOTE 71)
- ESTABLISHED THE BC ON THE 1914 CL OF LAGUNA CANYON RD. FROM ESTABLISHMENT NOTE 48) BETWEEN ESTABLISHMENT NOTE 48) AND ACCEPTED MONUMENT 4401)
- ESTABLISHED A POINT ON 1929 CL OF LAGUNA CANYON RD. FROM ESTABLISHMENT NOTE 48) RECORD DISTANCE PER R19 FROM ESTABLISHMENT NOTE 74)
- ESTABLISHED THE NORTHWESTERLY CORNER OF PARCEL 104 RADIAL 28.12' PER R19 FROM ESTABLISHMENT NOTE 75)
- ESTABLISHED THE BC OF A NON-TANGENT CURVE CONCAVE TO THE NORTHEAST ON THE PROLONGATION OF LINE ESTABLISHMENT NOTE 60) RECORD DISTANCE PER R19 FROM ESTABLISHMENT NOTE 75)
- ESTABLISHED THE EC OF A NON-TANGENT CURVE CONCAVE TO THE NORTHEAST BY RECORD CURVE DATA PER R19 FROM ESTABLISHMENT NOTE 77)
- ESTABLISHED THE MOST WESTERLY CORNER OF LOT 80, SARA THURSTON PARK RECORD DISTANCE PER R30 FROM ACCEPTED MONUMENT 4511) PARALLEL WITH, PERPENDICULAR TO AND 20' FROM ESTABLISHMENT NOTE 44)
- ESTABLISHED THE NORTHEASTERLY RIGHT OF WAY OF WOODLAND DR. PARALLEL WITH, PERPENDICULAR 20' FROM ESTABLISHMENT NOTE 44) BETWEEN ESTABLISHMENT NOTES 79) AND ACCEPTED MONUMENT 4511)
- ESTABLISHED THE MOST SOUTHERLY CORNER OF PARCEL 104 RECORD DISTANCE PER R19 ON A LINE BETWEEN ESTABLISHMENT NOTE 78) AND ACCEPTED MONUMENT 4518)
- ESTABLISHED THE NORTHEASTERLY RIGHT OF WAY PARALLEL WITH, PERPENDICULAR 23' FROM ESTABLISHMENT NOTE 44) BETWEEN ESTABLISHMENT NOTES 78) AND 81)
- ESTABLISHED THE EASTERLY CORNER OF R48 HOLDING RECORD ANGLE AND DISTANCE PER R48 AT ESTABLISHMENT NOTE 84) FROM ESTABLISHMENT NOTE 65)
- ESTABLISHED THE EASTERLY CORNER OF R47 HOLDING RECORD ANGLE AND DISTANCE PER R47 AT ESTABLISHMENT NOTE 85) FROM ESTABLISHMENT NOTE 68)
- ESTABLISHED THE EASTERLY CORNER OF R46 HOLDING RECORD ANGLE AND DISTANCE PER R46 AT ESTABLISHMENT NOTE 68) FROM ESTABLISHMENT NOTE 64)
- ESTABLISHED THE CENTERLINE E.C. OF LAGUNA CANYON ROAD 1968 ALIGNMENT PER (R21) BY HOLDING RECORD DISTANCE NWLY FROM ESTABLISHMENT NOTE 37) ALONG ESTABLISHMENT NOTE 38)
- ESTABLISHED THE 1968 CENTERLINE OF LAGUNA CANYON ROAD BY HOLDING RECORD RADIUS 2500.00 FEET PER R9 TANGENT TO A LINE ESTABLISHED BY ESTABLISHMENT NOTES 24) AND 23), AND LINE ESTABLISHMENT 58)

REFERENCES

(R1) = RECORD OF SURVEY RSB 305/30	(R34) = RECORD OF SURVEY, RSB 279/13
(R2) = RECORD OF SURVEY RSB 138/1-8	(R35) = OFFICIAL RECORD O.R. 2221/524
(R3) = RECORD OF SURVEY RSB 291/13-14	(R36) = OFFICIAL RECORD O.R. 3929/117
(R4) = PARCEL MAP PMB 66/15	(R37) = PARCEL MAP, PMB 66/44
(R5) = OFFICIAL RECORD O.R. 1074/179	(R38) = OFFICIAL RECORD O.R. 5860/340
(R6) = CORNER RECORD CR-2007-1482	(R39) = CORNER RECORD CR-2008-1607
(R7) = RECORD OF SURVEY RSB 232/42-43	(R40) = CORNER RECORD CR-2008-1597
(R8) = OFFICIAL RECORD O.R. 2304/195	(R41) = RECORD OF SURVEY RSB 304/28
(R9) = RECORD OF SURVEY RSB 119/22-23	(R42) = CORNER RECORD CR-2008-1601
(R10) = OFFICIAL RECORD O.R. 1055/250	(R43) = CORNER RECORD CR-2000-0345
(R11) = COUNTY SURVEYOR TIE BOOK CSTB 86/1-46-27A-28A	(R44) = CORNER RECORD CR-2007-2833
(R12) = OFFICIAL RECORD O.R. 440/192	(R45) = INSTRUMENT NO. 2003000700579 O.R.
(R13) = OFFICIAL RECORD O.R. 2243/119	(R46) = OFFICIAL RECORD O.R. 3915/558
(R14) = RECORD OF SURVEY RSB 114/10	(R47) = OFFICIAL RECORD O.R. 3898/551
(R15) = CALTRANS CL TIES SR-73-008	(R48) = OFFICIAL RECORD O.R. 3893/433
(R16) = CALTRANS SURVEY CONTROL MAP 001746-SM0583	(R49) = OFFICIAL RECORD O.R. 6454/188-190
(R17) = OFFICIAL RECORD O.R. 6875/114	(R50) = OFFICIAL RECORD O.R. 3688/211-213
(R18) = CALTRANS ALIGNMENT NOTES A269-001_013-020	(R51) = OFFICIAL RECORD O.R. 2233/164
(R19) = LAGUNA CANYON CHANNEL (I02) PARCEL 104 ENCROACHMENT 0P96/97-18	(R52) = OFFICIAL RECORD O.R. 2349/337
(R20) = CAL TRANS ALIGNMENT NOTES ORA185 LGN B&A A269-001 009-012	(R53) = OFFICIAL RECORD O.R. 2209/490
(R21) = RECORD OF SURVEY RSB 78/9	(R54) = OFFICIAL RECORD O.R. 2314/215
(R23) = LAGUNA CANYON FRONTAGE ROAD OFFICIAL RECORD 6003/824	(R55) = OFFICIAL RECORD O.R. 2185/190
(R25) = PARCEL MAP NO. 88-446, PMB-241/33	(R56) = OFFICIAL RECORD O.R. 6003/824-826
(R26) = OFFICIAL RECORD O.R. 2094/609-610	(R57) = OFFICIAL RECORD O.R. 3906/367
(R27) = OFFICIAL RECORD O.R. 2203/496	(R58) = OFFICIAL RECORD O.R. 3893/421
(R28) = OFFICIAL RECORD O.R. 2318/488-490	(R59) = OFFICIAL RECORD O.R. 1132/209
(R29) = CAL TRANS RIGHT OF WAY MAP, ROAD VII-ORA-185-LGN. B, A, FEB 1951	
(R30) = RECORD OF SURVEY RSB 4/16	
(R31) = OFFICIAL RECORD O.R. 3688/211	
(R32) = PARCEL MAP NO. 2005-168, PMB 367/45-46	
(R33) = PARCEL MAP, PMB 118/46	

  	12/5/20	ALIGNMENT UPDATE	COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
	7/2/20	PTR UPDATE AT WOODLAND	LAGUNA CHANNEL (I02) CHANNEL MAINTENANCE PROJECT		
	1/29/20	TEXT UPDATES	TOPOGRAPHIC MAP		
	DATE	ITEM	FROM: FOREST AVE. TO: CANYON ACRES DRIVE		
MARK	DATE	ITEM	DATE OF SURVEY: NOV 2019	BY: T. LOFGREEN	SHEET NO. 3^{of}14
			TOPOGRAPHIC MAPPING	BY: T. LOFGREEN / R. BELTRAN	
			OFFICE CHECK	BY: M. KUBISTY, PLS.	
			FIELD CHECK	BY: T. LOFGREEN	
			SCALE: _____	W.O. #EF21286 FILE NO. _____	
REVISIONS			FILE: LAGUNA_CHANNEL_BOUNDARY_PHASE_II_2019.DWG		

SEE SHEET 5



DETAIL "B"
SCALE 1" = 20'

SE'LY R/W OF BROADWAY
OVERLAPS THE NW'LY AND
NE'LY LINES OF LOT 39 OF
RODGER'S ADDITION TO
LAGUNA BEACH BLOCK "A"
PER SHEET 4 OF (R2)

DETAIL "A"
NTS

NOTE

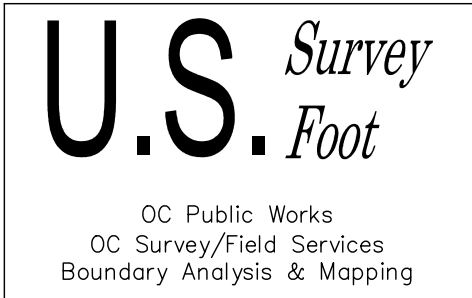
THE LOT LINES ARE FOR GRAPHICAL PRESENTATION ONLY.

LEGEND

- FOUND MONUMENT AS NOTED
- ▲ ESTABLISHED BY TIES SEE ESTABLISHMENT NOTES

LINE TABLE

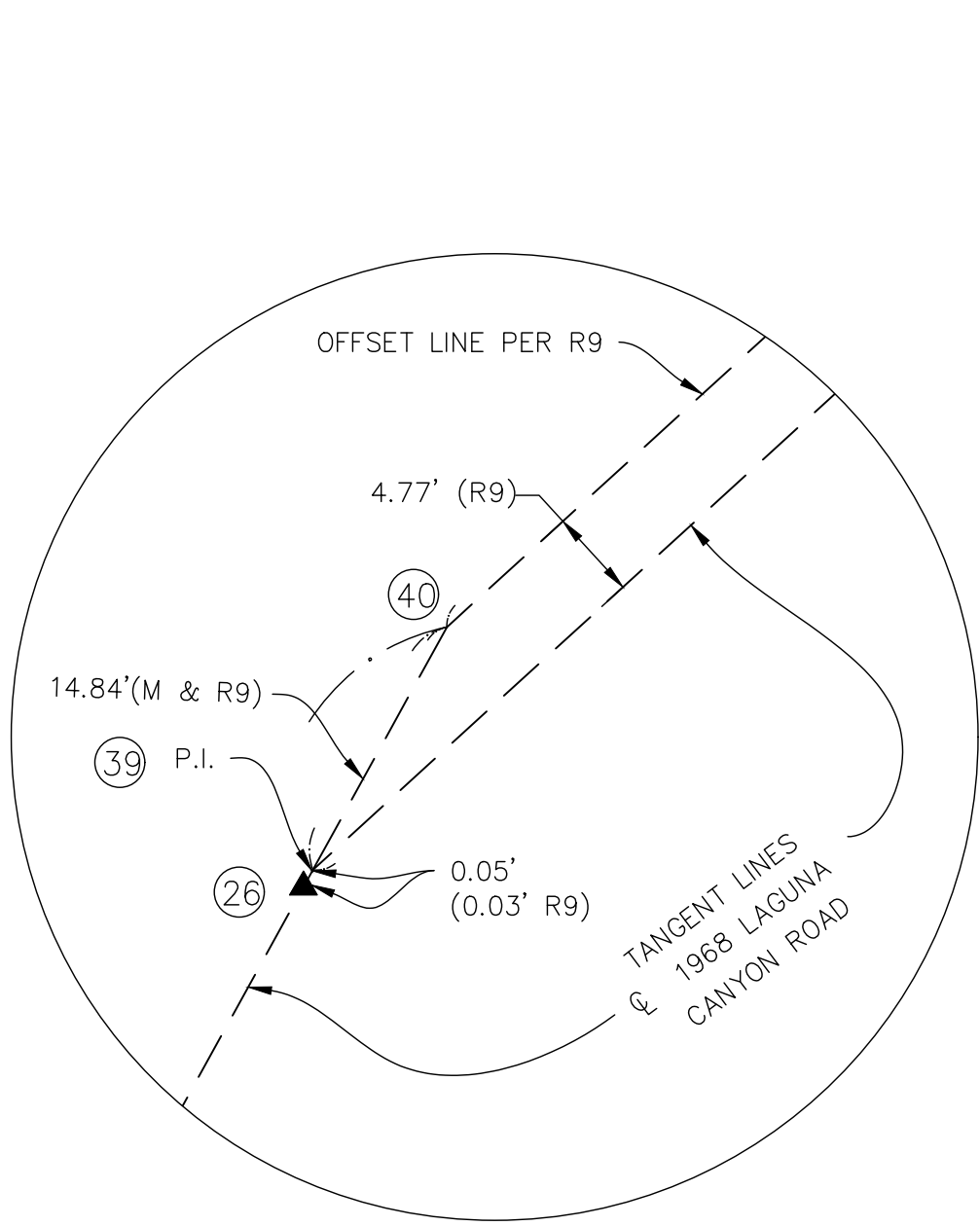
CL. ROADWAY	---
SURVEY GEOMETRY	- - - - -
STATE HIGHWAY RIGHT-OF-WAY	===== R/W ===== R/W



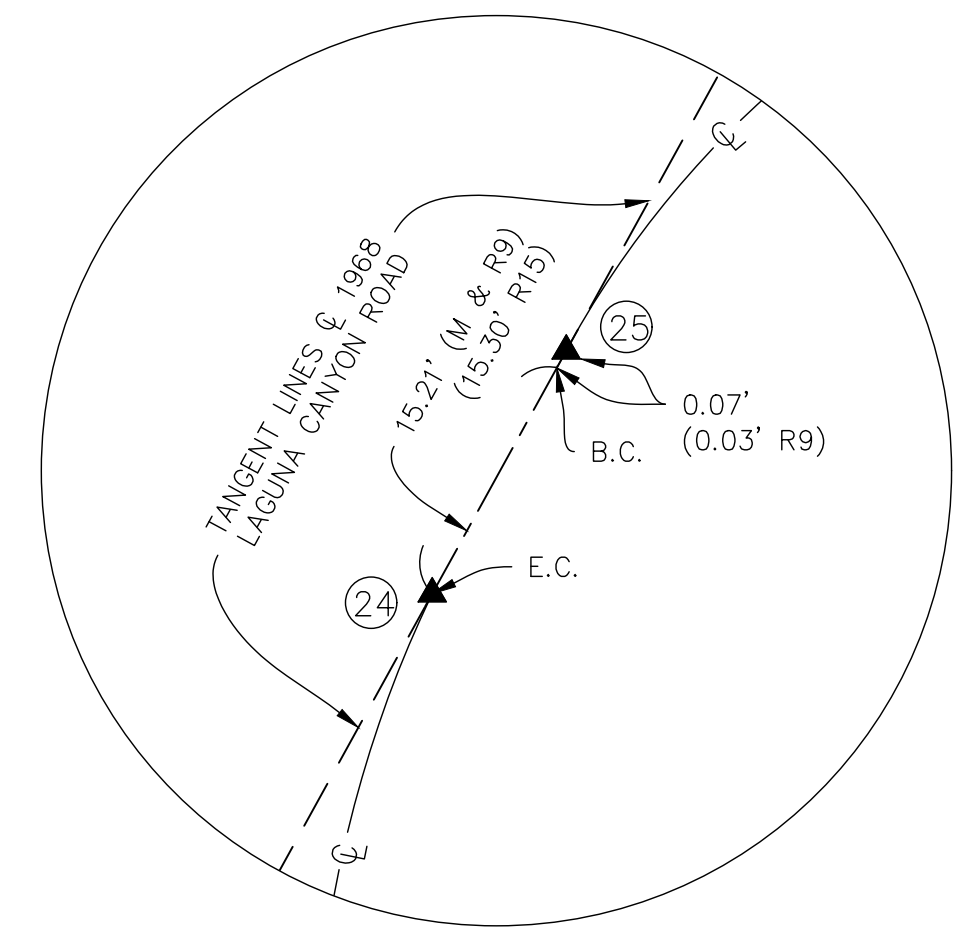
COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
LAGUNA CHANNEL (I02) CHANNEL MAINTENANCE PROJECT			
TOPOGRAPHIC MAP			
FROM: FOREST AVE. TO: CANYON ACRES DRIVE			
DATE OF SURVEY: NOV 2019		BY: T. LOFGREEN / R. BELTRAN	
TOPOGRAPHIC MAPPING		BY: M. KUBISTY, PLS.	
OFFICE CHECK		BY: T. LOFGREEN	
FIELD CHECK		FILE NO.	
SCALE: 1"=40' [W.O. #EF21286]		FILE NO.	
FILE: LAGUNA_CHANNEL_BOUNDARY_PHASE II_2019.DWG		SHEET NO.	
REVISIONS		4 of 14	

3	12/5/20	ALIGNMENT UPDATE
2	7/2/20	PTR UPDATE AT WOODLAND
1	1/29/20	TEXT UPDATES
MARK	DATE	ITEM

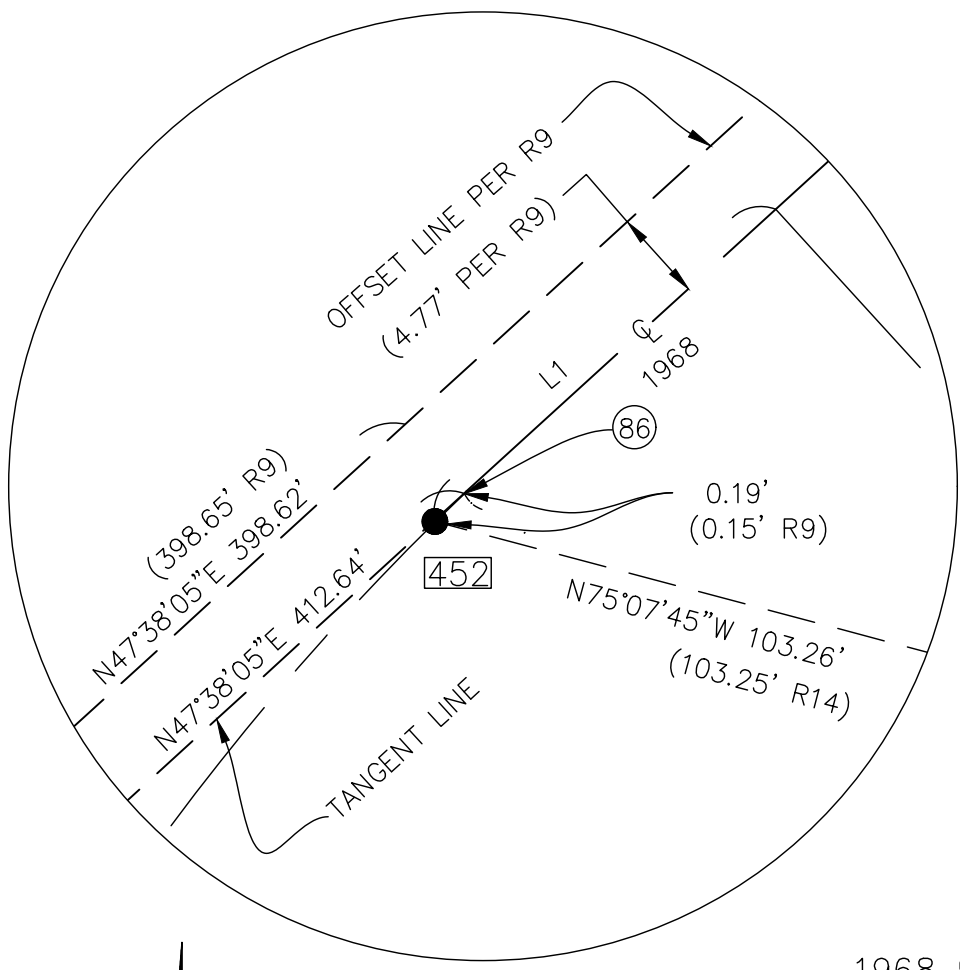
SEE SHEET 6



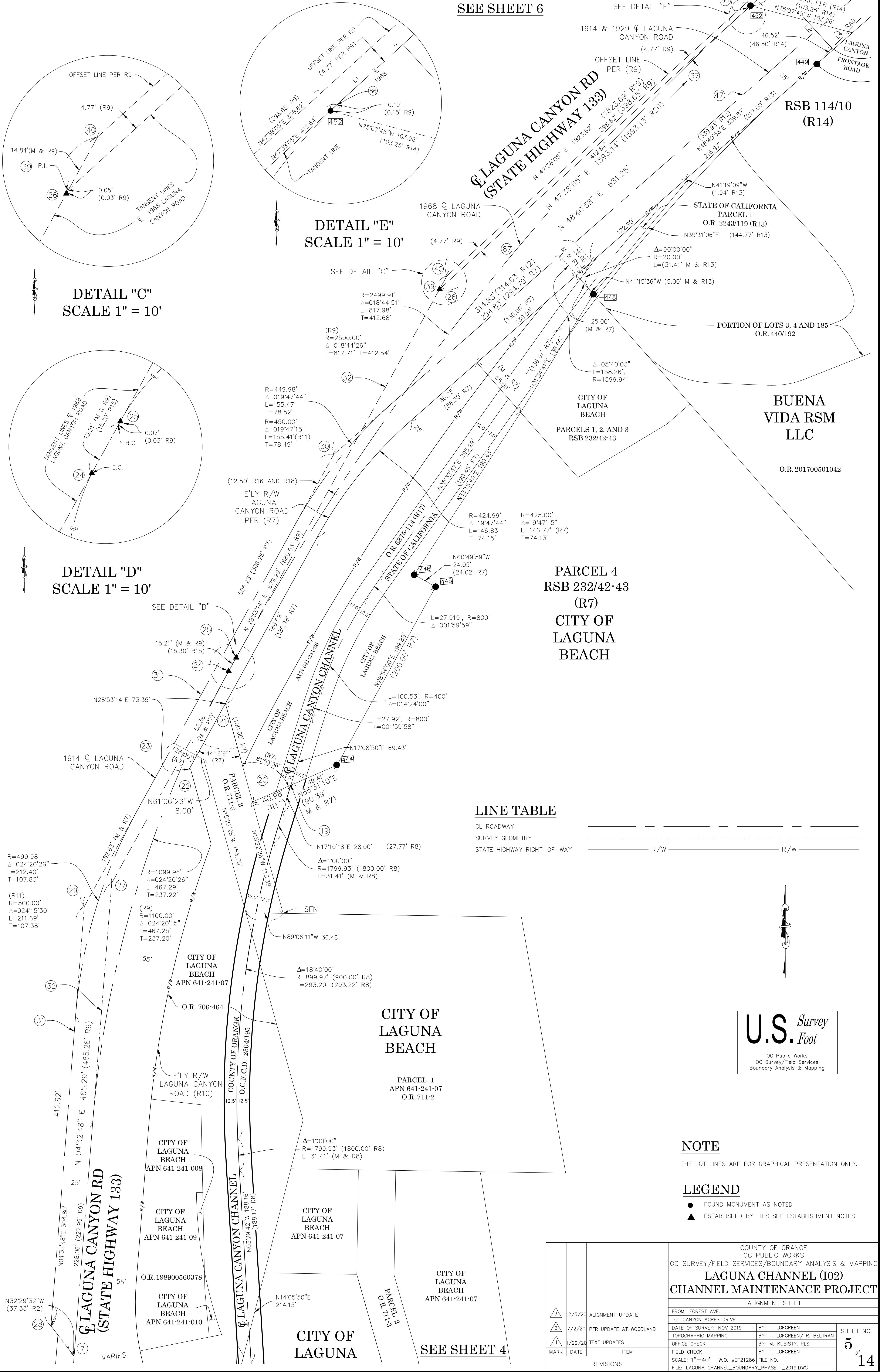
DETAIL "C"
SCALE 1" = 10'



DETAIL "D"
SCALE 1" = 10'



DETAIL "E"
SCALE 1" = 10'



LINE TABLE

CL ROADWAY	
SURVEY GEOMETRY	
STATE HIGHWAY RIGHT-OF-WAY	

NOTE

THE LOT LINES ARE FOR GRAPHICAL PRESENTATION ONLY.

LEGEND

- FOUND MONUMENT AS NOTED
- ▲ ESTABLISHED BY TIES SEE ESTABLISHMENT NOTES

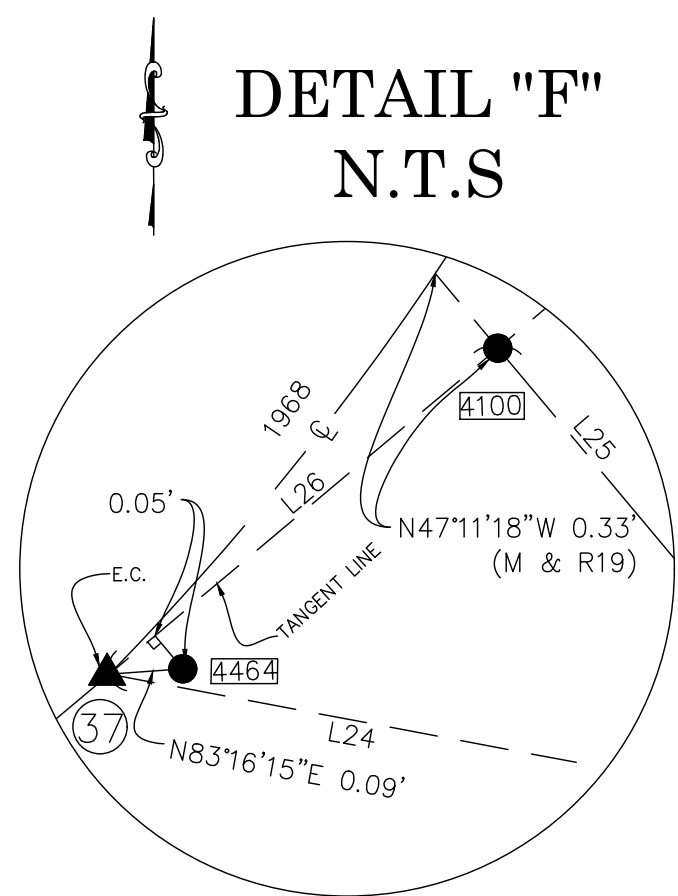
COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			LAGUNA CHANNEL (I02) CHANNEL MAINTENANCE PROJECT	
ALIGNMENT SHEET			FROM: FOREST AVE. TO: CANYON ACRES DRIVE	
DATE OF SURVEY: NOV 2019			BY: T. LOFGREEN	
TOPOGRAPHIC MAPPING			BY: T. LOFGREEN/ R. BELTRAN	
OFFICE CHECK			BY: M. KUBISTY, PLS.	
FIELD CHECK			BY: T. LOFGREEN	
SCALE: 1"=40' W.O. #EF21286 FILE NO.			SHEET NO. 5 of 14	
FILE: LAGUNA_CHANNEL_BOUNDARY_PHASE II_2019.DWG				

CL ROADWAY _____

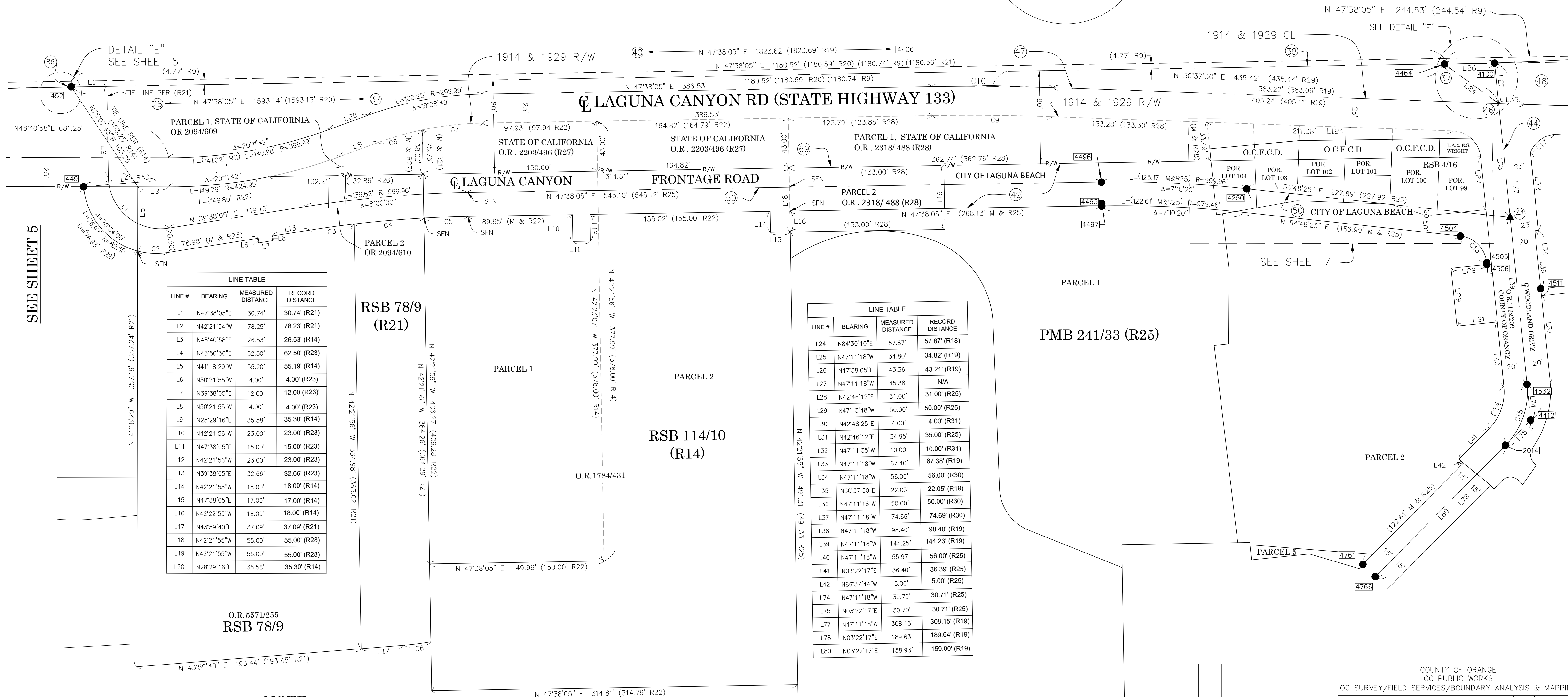
SURVEY GEOMETRY _____

STATE HIGHWAY RIGHT-OF-WAY _____ R/W _____ R/W _____

CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	RECORD DISTANCE
C1	76.97	45.00	098°00'00"	76.97' (R21)
C2	25.79	62.50	023°38'31"	25.83' (R14)
C3	38.76	979.46	002°16'02"	38.76' (R14)
C4	60.15	979.46	003°31'06"	60.16' (R14)
C5	37.85	979.46	002°12'52"	37.84' (R14)
C6	39.51	274.99	008°13'58"	39.74' (R14)
C7	52.38	274.99	010°54'50"	52.38' (R14)
C8	23.13	249.99	005°18'02"	23.13' (R21)
C9	103.08	1794.93	002°59'25"	102.98' (R28)
C10	104.38	1999.93	002°59'25"	104.43' (R19)
C11	34.86	25.61	078°00'00"	34.86' (R25)
C14	39.71	45.00	050°33'49"	39.72' (R25)
C15	57.36	65.00	050°33'35"	57.37' (R25)



SEE SHEET 7



THE LOT LINES ARE FOR GRAPHICAL PRESENTATION ONLY.

● FOUND MONUMENT AS NOTED
▲ ESTABLISHED BY TIES SEE ESTABLISHMENT NOTES

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L24	N84°30'10"E	57.87'	57.87' (R18)
L25	N47°11'18"W	34.80'	34.82' (R19)
L26	N47°38'05"E	43.36'	43.21' (R19)
L27	N47°11'18"W	45.38'	N/A
L28	N42°46'12"E	31.00'	31.00' (R25)
L29	N47°13'46"W	50.00'	50.00' (R25)
L30	N42°48'25"E	4.00'	4.00' (R31)
L31	N42°46'12"E	34.95'	35.00' (R25)
L32	N47°11'35"W	10.00'	10.00' (R31)
L33	N47°11'18"W	67.40'	67.38' (R19)
L34	N47°11'18"W	56.00'	56.00' (R30)
L35	N50°37'30"E	22.03'	22.05' (R19)
L36	N47°11'18"W	50.00'	50.00' (R30)
L37	N47°11'18"W	74.66'	74.69' (R30)
L38	N47°11'18"W	98.40'	98.40' (R19)
L39	N47°11'18"W	144.25'	144.23' (R19)
L40	N47°11'18"W	55.97'	56.00' (R25)
L41	N03°22'17"E	36.40'	36.39' (R25)
L42	N86°37'44"W	5.00'	5.00' (R25)
L74	N47°11'18"W	30.70'	30.71' (R25)
L75	N03°22'17"E	30.70'	30.71' (R25)
L77	N47°11'18"W	308.15'	308.15' (R19)
L78	N03°22'17"E	189.63'	189.64' (R19)
L80	N03°22'17"E	158.93'	159.00' (R19)

PROPOSED OPEN SPACE
TO BE DEDICATED TO
THE CITY OF LAGUNA BEACH

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

		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
LAGUNA CHANNEL (I02) CHANNEL MAINTENANCE PROJECT			
ALIGNMENT SHEET			
FROM: FOREST AVE. TO: CANYON ACRES DRIVE			
DATE OF SURVEY: NOV 2019		BY: T. LOFGREEN	
TOPOGRAPHIC MAPPING		BY: T. LOFGREEN / R. BELTRAN	
OFFICE CHECK		BY: M. KUBISTY, PLS.	
FIELD CHECK		BY: T. LOFGREEN	
SCALE: 1"=40'		W.O. #EF21286 FILE NO.	
FILE: LAGUNA_CHANNEL_BOUNDARY_PHASE_II_2019.DWG			
REVISIONS			

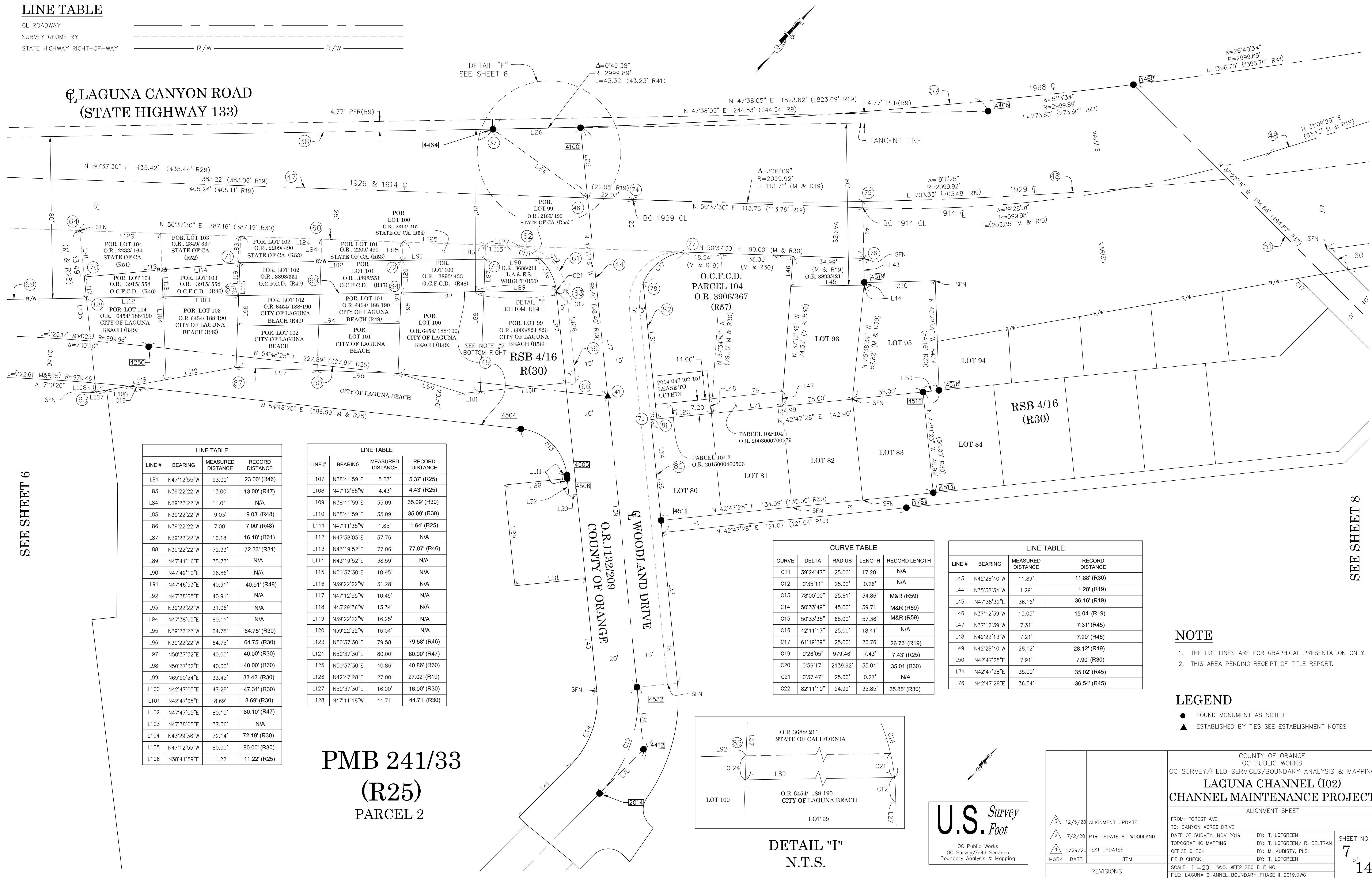
3 2 1	12/5/20	ALIGNMENT UPDATE	6 of 14
	7/2/20	PTR UPDATE AT WOODLAND	
	1/29/20	TEXT UPDATES	
MARK	DATE	ITEM	

SHEET NO.

CL ROADWAY _____

SURVEY GEOMETRY _____

STATE HIGHWAY RIGHT-OF-WAY _____ R/W _____ R/W _____



SEE SHEET 6

SEE SHEET 8

LINE TABLE

CL. ROADWAY	
SURVEY GEOMETRY	
STATE HIGHWAY RIGHT-OF-WAY	R/W

LAGUNA CANYON ROAD
(STATE HIGHWAY 133)

Δ=26°40'34"
R=2999.89'
L=1396.70' (1396.70' R41)

Δ=19°28'01"
R=599.98'
L=(203.85' M & R19)

Δ=13°01'15"
R=599.98'
L=(136.35' M & R19)

Δ=15°50'49"
R=599.98'
L=165.94' (165.98' R19)

Δ=19°11'25"
R=2099.92'
L=703.33' (703.48' R19)

Δ=8°04'25"
R=2139.92'
L=301.54' (301.39' R35)

Δ=15°24'52"
R=399.99'
L=(107.61' M & R38)

PARCEL B
O.R. 3929/117
O.C.F.C.D.
(R36)

PARCEL A O.C.F.C. D. O.R. 3929/117 (R36)

O.C.F.C.D., O.R. 2221/524 (R35)

PARCEL 1
PMB 367/45-46
(R32)

PARCEL 1
PMB 118/46
(R33)

LAGUNA CANYON CHANNEL O.C.F.C.D.
O.R. 5860/340 (R38)

PORTION OF LOT 1, SECTION 24, T.7S., R.9W., S.B.B. & M.
O.R. 200800389922

ARROYO DRIVE

CANYON ACRES DRIVE

MILLIGAN DRIVE

SEE SHEET 7

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L51	N47°40'48"W	5.01'	5.00' R32
L52	N41°51'55"E	33.00'	33.00' R32
L53	N48°12'59"W	40.00'	40.00' R32
L54	N41°49'30"E	25.04'	25.00' R32
L55	N48°10'15"W	40.00'	40.00' R32
L56	N41°47'31"E	11.99'	12.00' R32
L57	N48°10'07"W	24.98'	25.00' R32
L58	N41°48'59"E	70.81'	70.75' R32
L59	N16°03'08"W	51.69'	51.70' R32
L60	N86°27'15"W	14.39'	14.39' R35
L61	S86°27'15"E	52.07'	52.00' R36
L62	N16°03'09"W	52.15'	52.08' R33
L63	N38°41'12"E	60.08'	60.00' R36
L64	N38°48'04"E	12.42'	12.46' R32
L65	N63°20'11"W	19.17'	19.11' R35
L66	N63°20'11"W	13.12'	12.78' R33
L67	N63°20'11"W	20.73'	20.72' R32

NOTE

THE LOT LINES ARE FOR GRAPHICAL PRESENTATION ONLY.

LEGEND

- FOUND MONUMENT AS NOTED
- ▲ ESTABLISHED BY TIES SEE ESTABLISHMENT NOTES

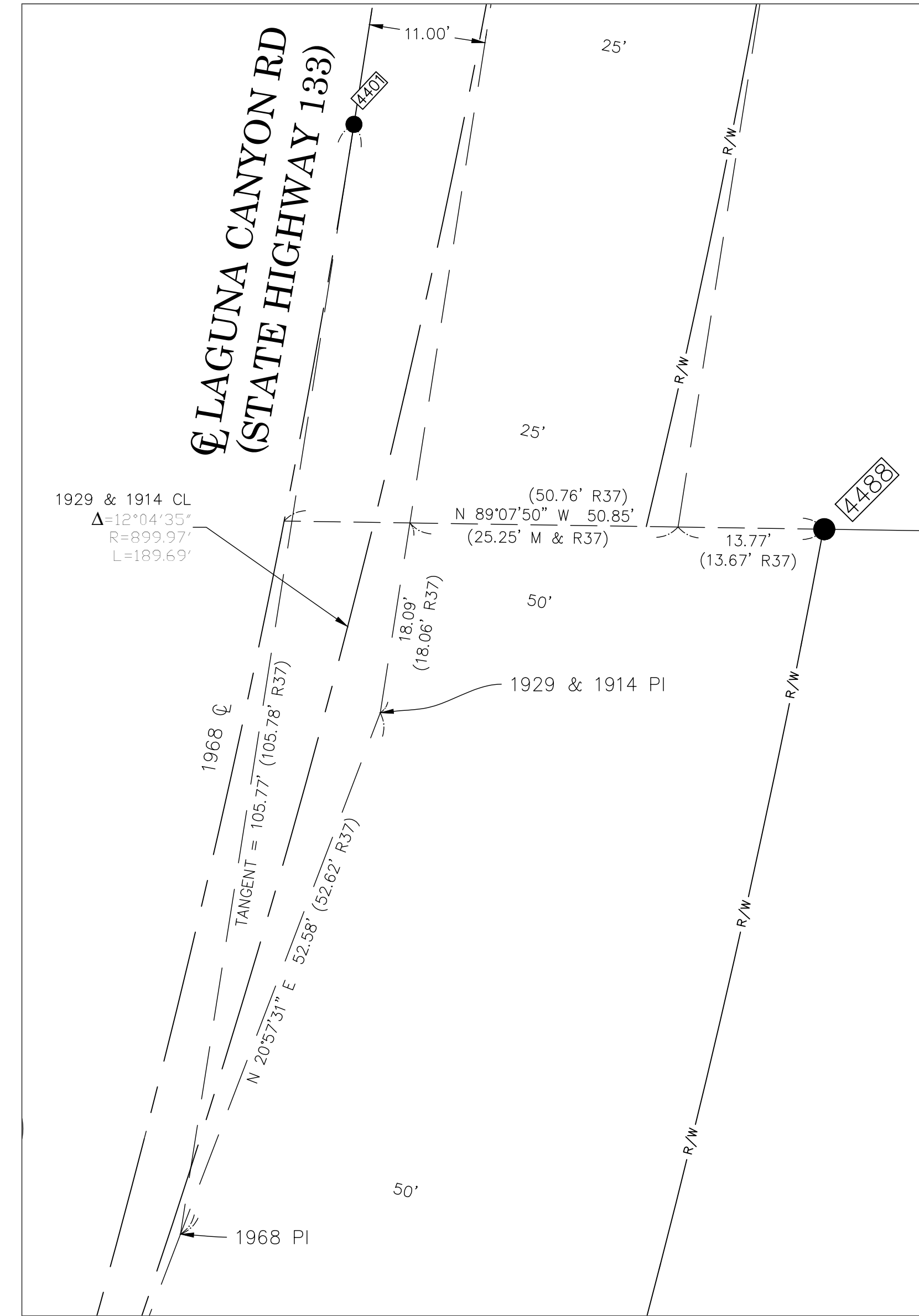
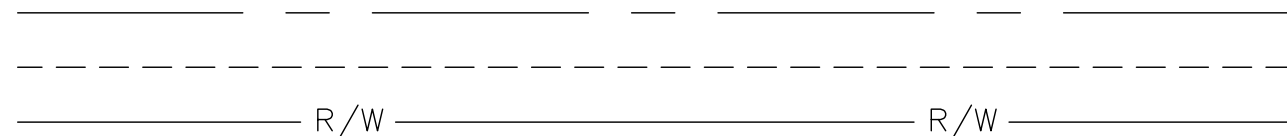
U.S. Survey
Foot

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

		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
LAGUNA CHANNEL (I02) CHANNEL MAINTENANCE PROJECT			
ALIGNMENT SHEET			
FROM: FOREST AVE. TO: CANYON ACRES DRIVE			
3	12/5/20	ALIGNMENT UPDATE	SHEET NO. 8 of 14
2	7/2/20	PTR UPDATE AT WOODLAND	
1	1/29/20	TEXT UPDATES	
MARK	DATE	ITEM	
REVISIONS			
SCALE: 1"=20'		W.O. #EF21286	FILE NO.
FILE: LAGUNA_CHANNEL_BOUNDARY_PHASE II_2019.DWG			

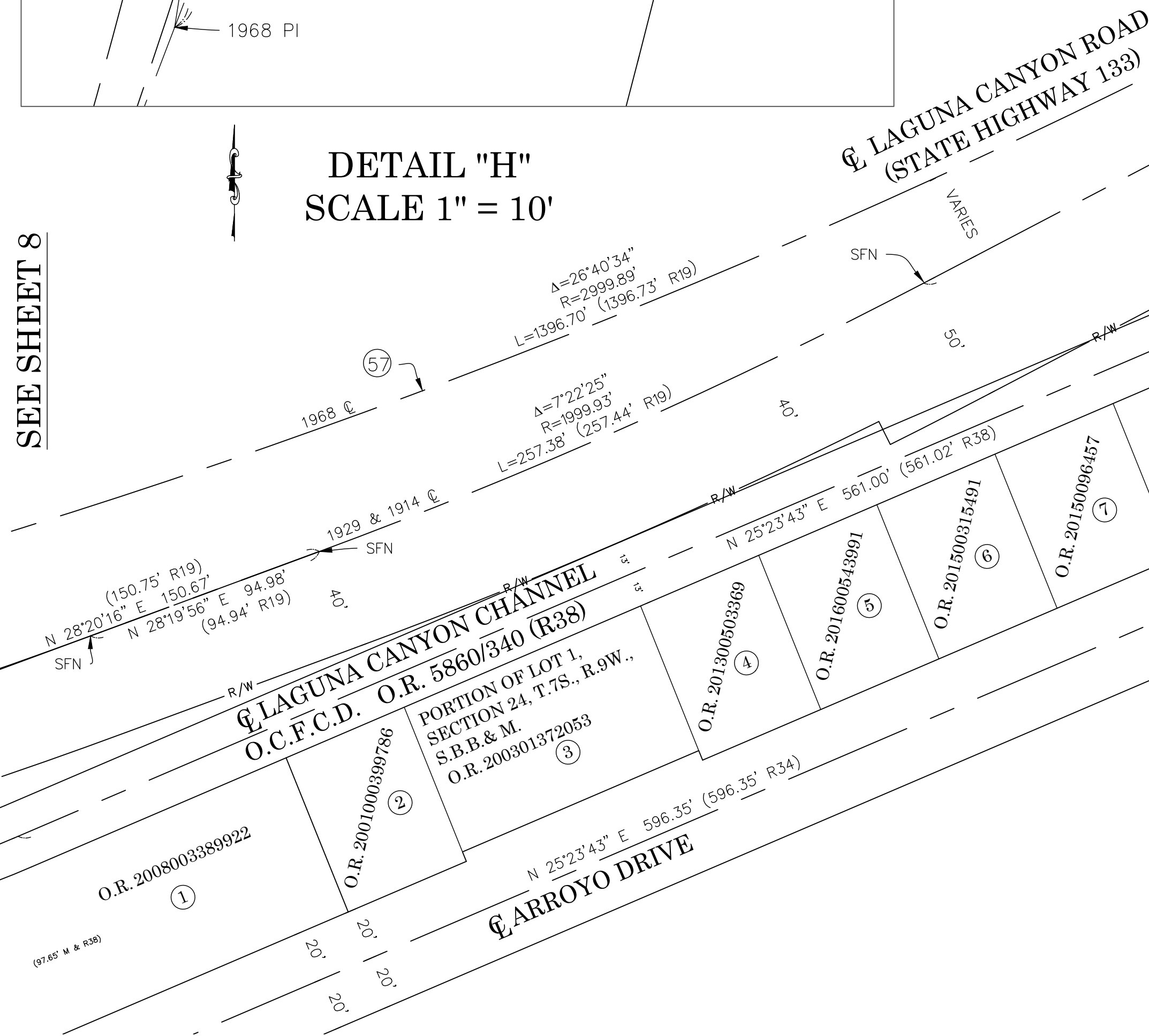
LINE TABLE

CL ROADWAY
SURVEY GEOMETRY
STATE HIGHWAY RIGHT-OF-WAY



DETAIL "H"
SCALE 1" = 10'

SEE SHEET 8



LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L68	N63°19'48"W	78.57'	78.57' R37
L69	N63°19'45"W	20.02'	20.02' R37
L70	N63°19'45"W	20.02'	20.02' R37
L72	N63°19'45"W	39.93'	39.93' R37
L73	N72°59'27"W	2.45'	2.46' R37

NOTE

THE LOT LINES ARE FOR GRAPHICAL PRESENTATION ONLY.

LEGEND

- FOUND MONUMENT AS NOTED
- ▲ ESTABLISHED BY TIES SEE ESTABLISHMENT NOTES

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			LAGUNA CHANNEL (I02) CHANNEL MAINTENANCE PROJECT		
			ALIGNMENT SHEET		
			FROM: FOREST AVE. TO: CANYON ACRES DRIVE		
			DATE OF SURVEY: NOV 2019	BY: T. LOFGREEN	SHEET NO. 9 of 14
			TOPOGRAPHIC MAPPING	BY: T. LOFGREEN / R. BELTRAN	
			OFFICE CHECK	BY: M. KUBISTY, PLS.	
			FIELD CHECK	BY: T. LOFGREEN	
			SCALE: 1"=40'	W.O. #EF21286	FILE NO.
			FILE: LAGUNA_CHANNEL_BOUNDARY_PHASE_1L_2019.DWG		
			REVISIONS		
3	12/5/20	ALIGNMENT UPDATE			
2	7/2/20	PTR UPDATE AT WOODLAND			
1	1/29/20	TEXT UPDATES			
MARK	DATE	ITEM			

CURVE TABLE						
CURVE #	DELTA	RADIUS	LENGTH	RECORD DELTA	RECORD RADIUS	RECORD LENGTH
C1	12°07'54"	1499.98'	317.60'	(12°07'55" R60)	(1500.00' R60)	(317.62' R60)
C2	5°50'58"	1999.97'	204.18'	(M&R R60)	(2000.00' R60)	(M&R R60)
C3	5°30'42"	2999.89'	288.57'	- - - -	- - - -	- - - -
C4	3°47'31"	2999.89'	198.54'	- - - -	- - - -	- - - -
C5	3°41'13"	2999.89'	193.04'	- - - -	- - - -	- - - -
C6	9°54'17"	2499.91'	432.16'	- - - -	- - - -	- - - -

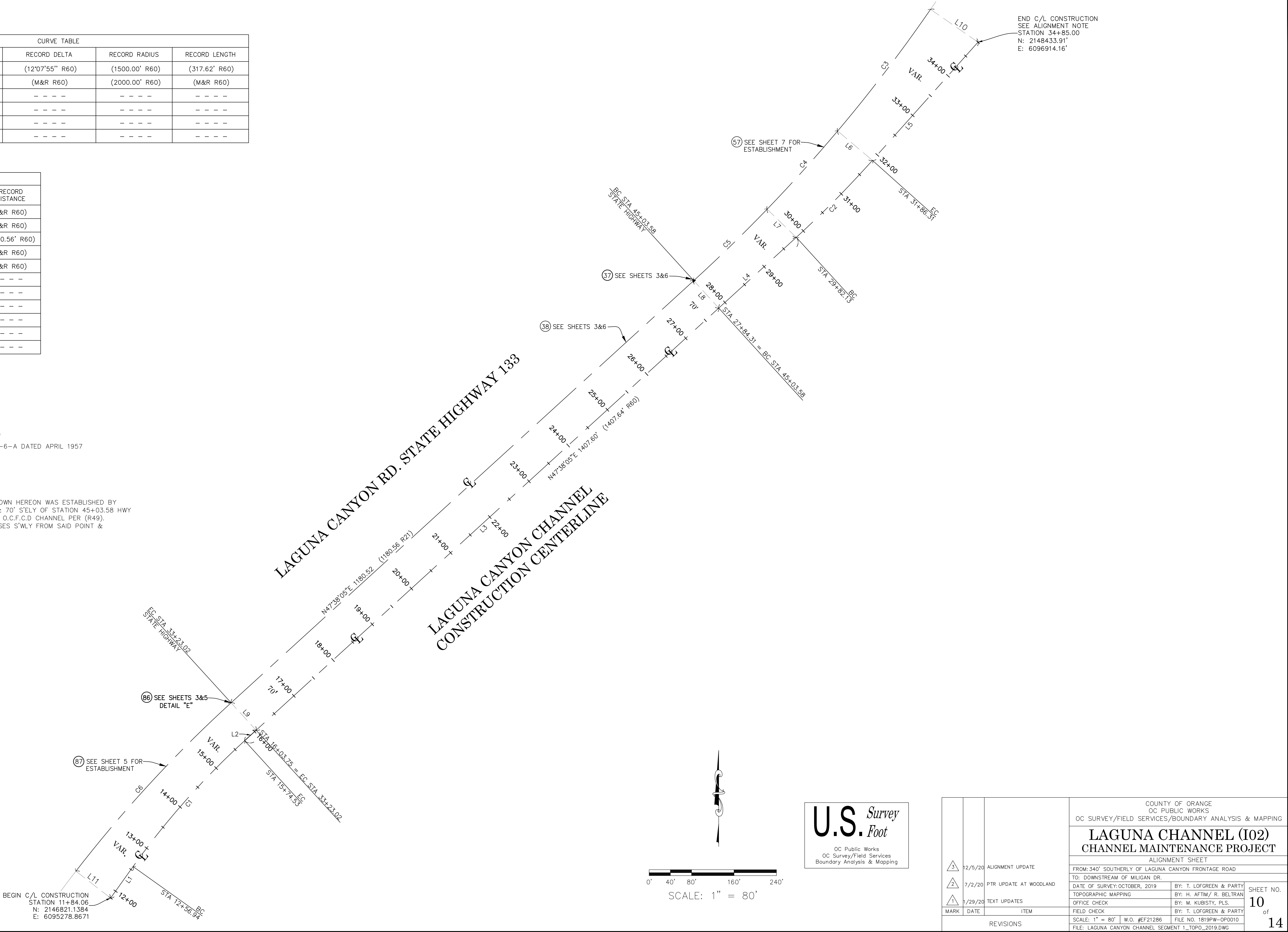
LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L1	N35°30'10"E	72.87'	(M&R R60)
L2	N47°38'05"E	29.26'	(M&R R60)
L3	N47°38'05"E	1180.51'	(1180.56' R60)
L4	N47°38'05"E	197.82'	(M&R R60)
L5	N41°47'07"E	298.69'	(M&R R60)
L6	N49°50'40"W	85.84'	- - - -
L7	N46°03'08"W	76.37'	- - - -
L8	N42°21'55"W	70.00'	- - - -
L9	N42°22'27"W	70.00'	- - - -
L10	N55°21'21"W	108.70'	- - - -
L11	N52°16'12"W	82.79'	- - - -

REFERENCES

(R21) = RECORD OF SURVEY RSB 78/9
(R60) = RECORD DRAWING NO. 102-101-6-A DATED APRIL 1957

ALIGNMENT NOTE

THE C/L CONSTRUCTION ALIGNMENT SHOWN HEREON WAS ESTABLISHED BY HOLDING A POINT PERPENDICULAR TO & 70' S'ELY OF STATION 45+03.58 HWY 133 WHICH IS EQUAL TO 27+84.31 C/L O.C.F.C.D CHANNEL PER (R49). STATIONING INCREASES N'LY & DECREASES S'WLY FROM SAID POINT & PARALLELS SAID C/L OF HWY.



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
			LAGUNA CHANNEL (I02) CHANNEL MAINTENANCE PROJECT	
			ALIGNMENT SHEET	
			FROM: 340' SOUTHERLY OF LAGUNA CANYON FRONTAGE ROAD	
			TO: DOWNSTREAM OF MILIGAN DR.	
3	12/5/20	ALIGNMENT UPDATE	DATE OF SURVEY: OCTOBER, 2019	BY: T. LOFGREEN & PARTY
	7/2/20	PTR UPDATE AT WOODLAND	TOPOGRAPHIC MAPPING	BY: H. AFTIM / R. BELTRAN
	1/29/20	TEXT UPDATES	OFFICE CHECK	BY: M. KUBISTY, PLS.
		ITEM	FIELD CHECK	BY: T. LOFGREEN & PARTY
MARK	DATE	ITEM	SCALE: 1" = 80' W.O. #F21286	FILE NO. 1819PW-OP0010
REVISIONS			FILE: LAGUNA CANYON CHANNEL SEGMENT 1_TOPO_2019.DWG	

LEGEND

SYMBOL PATTERN KEY

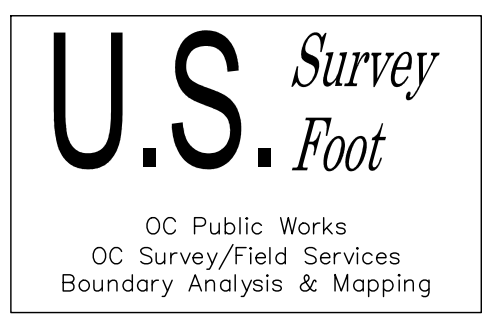
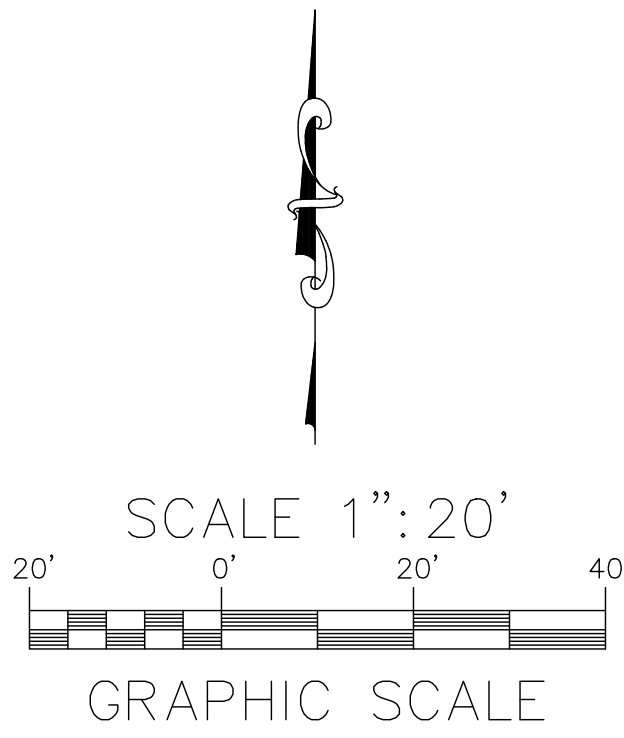
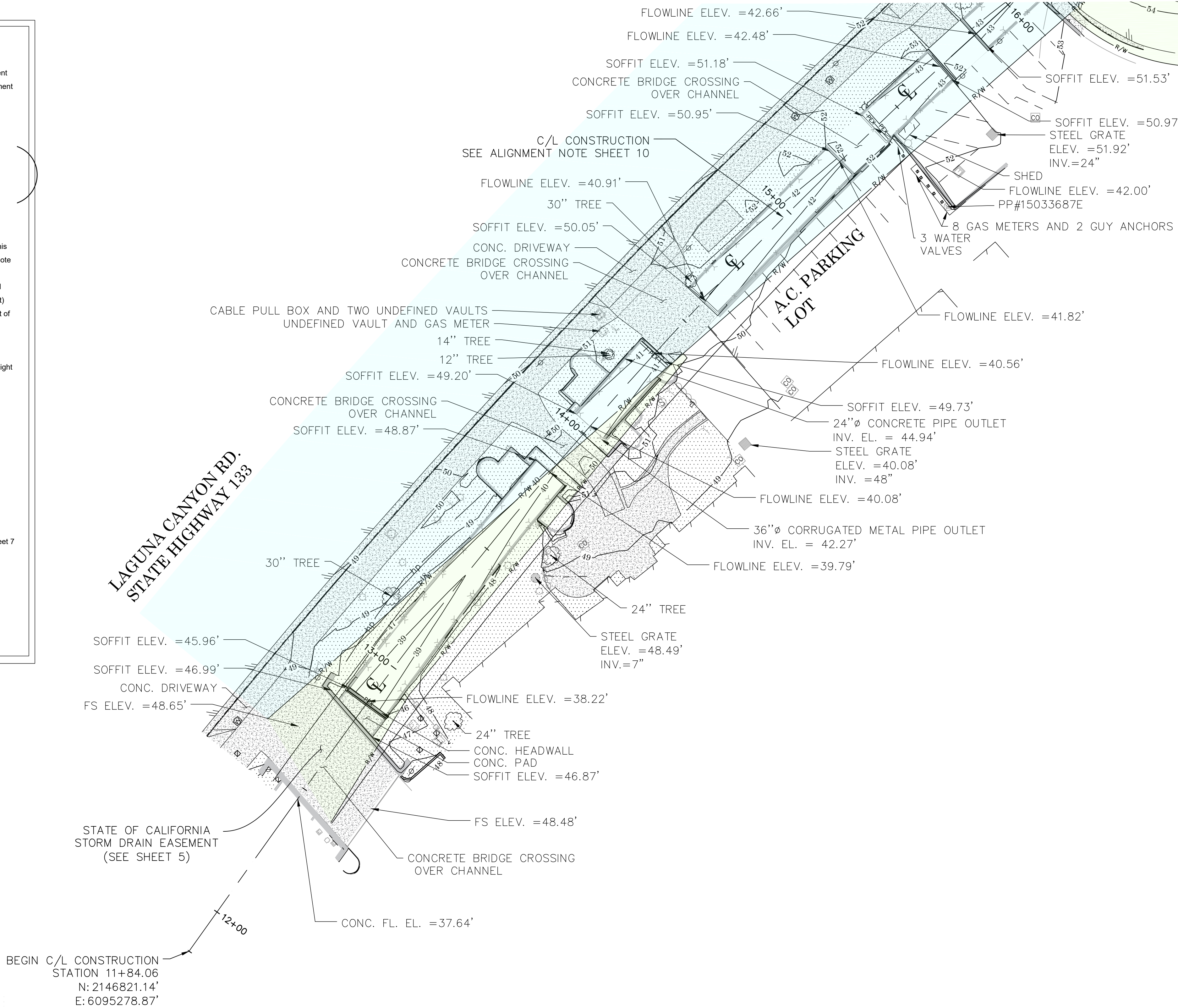
- 4" Pipe Inlet / Pipe Outlet Unless Otherwise Noted
- Vault - Electrical
- Steel Sign
- Water Meter
- Sewer Manhole
- Single Light Pole
- Water Valve
- Pull box - Electrical
- Fire Hydrant
- Tree
- Storm Drain Manhole
- Vault Undefined
- Steel Grate Inlet
- Telephone Pull Box
- Gas Valve
- TV Cable Control Box
- Catch Basin
- Double Gate
- Sewer Clean Out
- Drop Inlet
- Electric Meter
- Irrigation Pull Box
- Irrigation Valve
- Plastic Electric Outlet Box
- Plastic Yard Light
- Gas Meter
- Undefined Control Box
- Bush
- Double Light Pole
- Electric Manhole
- Undefined Parking Meter
- Rock - Boulder
- Temporary Support Beam For Shoring
- Utility Pole
- Palm Tree
- Mail Box
- TV Cable Pull Box
- Post
- Water Vault
- Guy Anchor
- Warning Sign

LINE PATTERN KEY

- Edge of Asphalt Pavement
- Edge of Concrete Pavement
- Guard Rail Steel
- Flowline
- Street Striping
- Concrete Wall
- Wood Fence
- Hand Rail Steel
- Building
- Chain Link Fence
- Wrought Iron Fence
- Dirt Hinge Point
- Exposed Pipe
- (C/L Construction Per This Survey See Alignment Note Sheet 10)
- (County of Orange Flood Control District Eastment)
- (County Of Orange Right of way)
- Caltrans Easment
- Caltrans Right Of Way
- (City of Laguna Beach Right Of Way)

AREA PATTERN KEY

- Concrete
- Dirt
- Caltrans Right Of Way
- City of Laguna Beach Right Of Way
- County Of Orange Right of way
- O.R. 3688/211 see sheet 7



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
			LAGUNA CHANNEL (I02) CHANNEL MAINTENANCE PROJECT	
			TOPOGRAPHIC MAP	
			FROM: 340' SOUTHERLY OF LAGUNA CANYON FRONTAGE ROAD	
			TO: DOWNSTREAM OF MILIGAN DR.	
3	12/5/20	ALIGNMENT UPDATE	DATE OF SURVEY: OCTOBER, 2019	BY: T. LOFGREEN & PARTY
	7/2/20	PTR UPDATE AT WOODLAND	TOPOGRAPHIC MAPPING	BY: H. AFTIM / R. BELTRAN
	1/29/20	TEXT UPDATES	OFFICE CHECK	BY: M. KUBISTY, PLS.
		ITEM	FIELD CHECK	BY: T. LOFGREEN & PARTY
REVISIONS			SCALE: 1" = 80' W.O. #EF21286	FILE NO. 1819PW-OP0010
			FILE: LAGUNA CANYON CHANNEL SEGMENT 1_TOPO_2019.DWG	

SYMBOL PATTERN KEY

4" Pipe Inlet / Pipe Outlet Unless Otherwise Noted

Vault - Electrical

Steel Sign

Water Meter

Sewer Manhole

Single Light Pole

Water Valve

Pull box - Electrical

Fire Hydrant

Tree

Storm Drain Manhole

Vault Undefined

Steel Grate Inlet

Telephone Pull Box

Gas Valve

TV Cable Control Box

Catch Basin

Double Gate

Sewer Clean Out

Drop Inlet

Electric Meter

Irrigation Pull Box

Irrigation Valve

Plastic Electric Outlet Box

Plastic Yard Light

Gas Meter

Undefined Control Box

Bush

Double Light Pole

Electric Manhole

Undefined Parking Meter

Rock - Boulder

Temporary Support Beam For Shoring

Utility Pole

Palm Tree

Mail Box

TV Cable Pull Box

Post

Water Vault

Guy Anchor

Warning Sign

LEGEND

LINE PATTERN KEY

Edge of Asphalt Pavement

Edge of Concrete Pavement

Guard Rail Steel

Flowline

Street Striping

Concrete Wall

Wood Fence

Hand Rail Steel

Building

Chain Link Fence

Wrought Iron Fence

Dirt Hinge Point

Exposed Pipe

(CIL Construction Per This Survey See Alignment Note Sheet 10)

(County of Orange Flood Control District Eastment)

(County Of Orange Right of way)

Caltrans Easment

Caltrans Right Of Way

(City of Laguna Beach Right Of Way)

AREA PATTERN KEY

Concrete

Dirt

Caltrans Right Of Way

City of Laguna Beach Right Of Way

County Of Orange Right of way

O.R. 3688/211 see sheet 7

36"Ø CONCRETE PIPE OUTLET
INV. EL. = 50.05'

SOFFIT ELEV. =57.38'

CONCRETE BRIDGE CROSSING
OVER CHANNEL

SOFFIT ELEV. =57.28'

SHED

FLOWLINE ELEV. =48.40'

27" TREE

LAGUNA CANYON RD.
STATE HIGHWAY 133

AC SIDEWALK

LAGUNA CANYON FRONTAGE RD.
CITY OF LAGUNA BEACH
(SEE SHEET 6)

26" TREE

19+00

FLOWLINE ELEV. =48.21'

C/L CONSTRUCTION
SEE ALIGNMENT NOTE SHEET 10

CATCH BASIN

4" TREE

24"Ø CONCRETE PIPE OUTLET
INV. EL. = 47.71'

SOFFIT ELEV. =54.09'

CONCRETE BRIDGE CROSSING
OVER CHANNEL

SOFFIT ELEV. =53.70'

CONC. RAMP

SOFFIT ELEV. =52.94'

12" TREE

CONC. RAMP

4" TREE

4" TREE

SOFFIT ELEV. =51.43'

CONC. DRIVEWAY

SOFFIT
ELEV. =51.19'

STOP STOP

FLOWLINE ELEV. =44.97'

FLOWLINE ELEV. =44.73'

FLOWLINE ELEV. =43.61'

LAGUNA CANYON
FRONTAGE RD.

FLOWLINE ELEV. =43.05'

SOFFIT EL. =52.35'

SEE SHEET 11

SEE SHEET 13

U.S. Survey
Foot

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

SCALE 1"=20'

GRAPHIC SCALE

COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
LAGUNA CHANNEL (I02) CHANNEL MAINTENANCE PROJECT		
TOPOGRAPHIC MAP		
FROM: 340' SOUTHERLY OF LAGUNA CANYON FRONTAGE ROAD		
TO: DOWNSTREAM OF MILIGAN DR.		
DATE OF SURVEY: OCTOBER, 2019		BY: T. LOFGREEN & PARTY
TOPOGRAPHIC MAPPING		BY: H. AFTIM / R. BELTRAN
OFFICE CHECK		BY: M. KUBISTY, PLS.
FIELD CHECK		BY: T. LOFGREEN & PARTY
SCALE: 1" = 80' W.O. #EF21286		FILE NO. 1819PW-OP0010
FILE: LAGUNA CANYON CHANNEL SEGMENT 1_TOPO_2019.DWG		

MARK	DATE	ITEM
3	12/5/20	ALIGNMENT UPDATE
2	7/2/20	PTR UPDATE AT WOODLAND
1	1/29/20	TEXT UPDATES

REVISIONS

SHEET NO.
12
of
14

LEGEND

SYMBOL PATTERN KEY

4" Pipe Inlet / Pipe Outlet Unless Otherwise Noted

Vault - Electrical

Steel Sign

Water Meter

Sewer Manhole

Single Light Pole

Water Valve

Pull box - Electrical

Fire Hydrant

Storm Drain Manhole

Vault Undefined

Steel Grate Inlet

Telephone Pull Box

Gas Valve

TV Cable Control Box

Catch Basin

Double Gate

Sewer Clean Out

Drop Inlet

Electric Meter

Irrigation Pull Box

Irrigation Valve

Plastic Electric Outlet Box

Plastic Yard Light

Gas Meter

Undefined Control Box

Bush

Double Light Pole

Electric Manhole

Undefined Parking Meter

Rock - Boulder

Temporary Support Beam For Shoring

Utility Pole

Palm Tree

Mail Box

TV Cable Pull Box

Post

Water Vault

Guy Anchor

Warning Sign

LINE PATTERN KEY

Edge of Asphalt Pavement

Edge of Concrete Pavement

Guard Rail Steel

Flowline

Street Striping

Concrete Wall

Wood Fence

Hand Rail Steel

Building

Chain Link Fence

Wrought Iron Fence

Dirt Hinge Point

Exposed Pipe

(C/L Construction Per This Survey See Alignment Note Sheet 10)

(County of Orange Flood Control District Eastment)

(County Of Orange Right of way)

Caltrans Easment

Caltrans Right Of Way

(City of Laguna Beach Right Of Way)

AREA PATTERN KEY

Concrete

Dirt

Caltrans Right Of Way

City of Laguna Beach Right Of Way

County Of Orange Right of way

O.R. 3688/211 see sheet 7

SEE SHEET 14

SEE SHEET 12

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

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
			LAGUNA CHANNEL (I02) CHANNEL MAINTENANCE PROJECT	
			TOPOGRAPHIC MAP	
			FROM: 340' SOUTHERLY OF LAGUNA CANYON FRONTAGE ROAD	
			TO: DOWNSTREAM OF MILIGAN DR.	
			DATE OF SURVEY: OCTOBER, 2019	BY: T. LOFGREEN & PARTY
			TOPOGRAPHIC MAPPING	BY: H. AFTIM / R. BELTRAN
			OFFICE CHECK	BY: M. KUBISTY, PLS.
			FIELD CHECK	BY: T. LOFGREEN & PARTY
			SCALE: 1" = 80'	W.O. #F21286
			FILE NO. 1819PW-0P010	
			FILE: LAGUNA CANYON CHANNEL SEGMENT 1_TOPO_2019.DWG	
			REVISIONS	
3	12/5/20	ALIGNMENT UPDATE		
2	7/2/20	PTR UPDATE AT WOODLAND		
1	1/29/20	TEXT UPDATES		
MARK	DATE	ITEM		

SHEET NO.
13
of
14

LEGEND

SYMBOL PATTERN KEY

- 4" Pipe Inlet / Pipe Outlet Unless Otherwise Noted
- Vault - Electrical
- Steel Sign
- Water Meter
- Sewer Manhole
- Single Light Pole
- Water Valve
- Pull box - Electrical
- Fire Hydrant
- Tree
- Storm Drain Manhole
- Vault Undefined
- Steel Grate Inlet
- Telephone Pull Box
- Gas Valve
- TV Cable Control Box
- Catch Basin
- Double Gate
- Sewer Clean Out
- Drop Inlet
- Electric Meter
- Irrigation Pull Box
- Irrigation Valve
- Plastic Electric Outlet Box
- Plastic Yard Light
- Gas Meter
- Undefined Control Box
- Bush
- Double Light Pole
- Electric Manhole
- Undefined Parking Meter
- Rock - Boulder
- Temporary Support Beam For Shoring
- Utility Pole
- Palm Tree
- Mail Box
- TV Cable Pull Box
- Post
- Water Vault
- Guy Anchor
- Warning Sign

LINE PATTERN KEY

- Edge of Asphalt Pavement
- Edge of Concrete Pavement
- Guard Rail Steel
- Flowline
- Street Striping
- Concrete Wall
- Wood Fence
- Hand Rail Steel
- Building
- Chain Link Fence
- Wrought Iron Fence
- Dirt Hinge Point
- Exposed Pipe
- (C/L Construction Per This Survey See Alignment Note Sheet 10)
- (County of Orange Flood Control District Eastment)
- (County Of Orange Right of way)
- Caltrans Easment
- Caltrans Right Of Way
- (City of Laguna Beach Right Of Way)

AREA PATTERN KEY

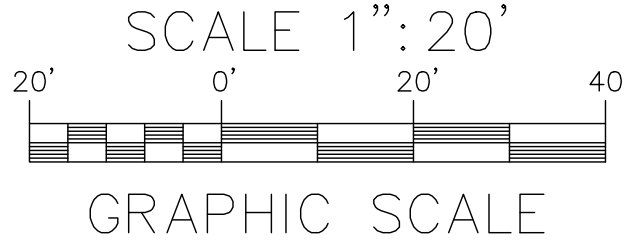
- Concrete
- Dirt
- Caltrans Right Of Way
- City of Laguna Beach Right Of Way
- County Of Orange Right of way
- O.R. 3688/211 see sheet 7

LAGUNA CANYON RD.
STATE HIGHWAY 133

RESIDENTIAL AREA

WOODLAND DR.

SEE SHEET 13



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

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			LAGUNA CHANNEL (I02) CHANNEL MAINTENANCE PROJECT				
			TOPOGRAPHIC MAP				
			FROM: 340' SOUTHERLY OF LAGUNA CANYON FRONTAGE ROAD TO: DOWNSTREAM OF MILIGAN DR.				
			DATE OF SURVEY: OCTOBER, 2019		BY: T. LOFGREEN & PARTY BY: H. AFTIM / R. BELTRAN		SHEET NO. 14 of 14
			TOPOGRAPHIC MAPPING		BY: M. KUBISTY, PLS.		
			OFFICE CHECK		BY: T. LOFGREEN & PARTY		
			FIELD CHECK		SCALE: 1" = 80' W.O. #F21286 FILE NO. 1819PW-OP0010		
			FILE: LAGUNA CANYON CHANNEL SEGMENT 1_TOPO_2019.DWG				
			MARK	DATE	ITEM	REVISIONS	
	12/5/20	ALIGNMENT UPDATE					
	7/2/20	PTR UPDATE AT WOODLAND					
	1/29/20	TEXT UPDATES					

COUNTY OF ORANGE
FLOOD CONTROL PARCELS
(SEE SHEET 7)

COUNTY OF ORANGE FLOOD CONTROL PARCELS
(SEE SHEET 8)

CONCRETE BOX CULVERT WIDTH 10.20' HEIGHT 3.70'
INV. ELEV. = 65.28'
CONC. BOX CULVERT
CONC. FL. = 67.86'
STEEL GRATE

FLOWLINE ELEV. = 63.35'
SOFFIT ELEV. = 73.68'

FLOWLINE ELEV. = 63.11'

CONC. DRIVEWAY
SOFFIT ELEV. = 74.02'

PP#4797371E
25" TREE

25" TREE

25" TREE

30" TREE

8" TREE

48" TREE

6" TREE

PP#4797372E
18" TREE

6" TREE

16" TREE

16" TREE

8" TREE

18" TREE

3" TREE

6" TREE

12" TREE

12" TREE

24" TREE

PP#7633451E
24" TREE

12" TREE

12" TREE

24" TREE

18" TREE

6" TREE

20" CORRUGATE METAL PIPE OUTLET
INV. EL. = 62.64'

FLOWLINE ELEV. = 60.67'

SOFFIT ELEV. = 69.51'

24" CORRUGATE METAL PIPE INLET
INV. EL. = 67.6'

24" CORRUGATE METAL PIPE OUTLET
INV. EL. = 63.66'

1 1/2" SURFACE PLASTIC PIPE
SHED

8" TREE

FLOWLINE ELEV. = 59.47'

SOFFIT ELEV. = 68.54'

PP#4797373E
6" TREE

45" TREE

AC. DRIVEWAY

6" TREE

8" TREE

22" TREE

PP#4797373E
6" TREE

8" TREE

3" TREE

8" TREE

12" TREE

6" TREE

6" TREE

6" TREE

10" TREE

CONC. RAMP
PP#4797374E

24" CORRUGATE METAL PIPE OUTLET
INV. EL. = 62.02'

CONC. RAMP
PP#4797374E

6" TREE

6" TREE

6" TREE

6" TREE

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