



OC PUBLIC WORKS DEPARTMENT

SHANE SILSBY, DIRECTOR

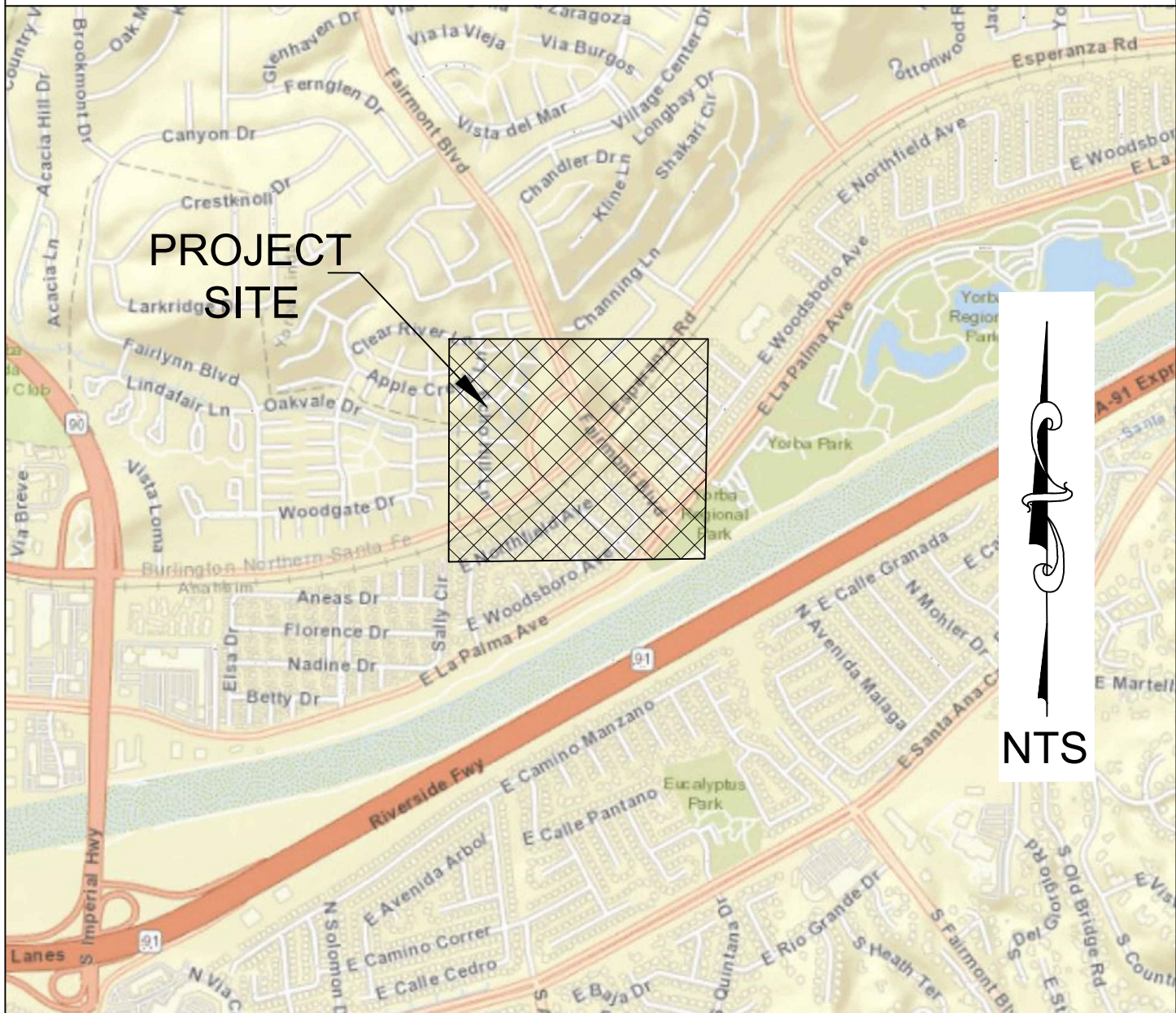
KEVIN HILLS, COUNTY SURVEYOR

OC LOOP - SEGMENT H BIKEWAY

FROM YORBA LINDA RECREATIONAL TRAIL TO SANTA ANA RIVER TRAIL



LOCATION MAP



SENIOR LAND SURVEYOR'S CERTIFICATE:

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS 20 DAY OF FEBRUARY, 2020.

JESOM MORENO SENIOR LAND SURVEYOR



DEPUTY COUNTY SURVEYOR'S STATEMENT:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS 20 DAY OF FEBRUARY, 2020.

WADE WEAVER DEPUTY COUNTY SURVEYOR



U.S. Survey
Foot

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

BASIS OF BEARINGS

THE BASIS OF BEARING 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) OEOC AND GPS 5196R1, BEING NORTH 16°41'47" WEST AS DERIVED FROM THE COORDINATES ESTABLISHED 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 2007.00 EPOCH ADJUSTMENT.

ALL DISTANCES SHOWN ARE GRID, UNLESS OTHERWISE NOTED. TO OBTAIN GROUND DISTANCES DIVIDE GRID BY 0.99998650

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

VERTICAL DATUM

O.C.S. BM. 21-71-06 ELEV. = 332.746' YEAR LEVELED 2006

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

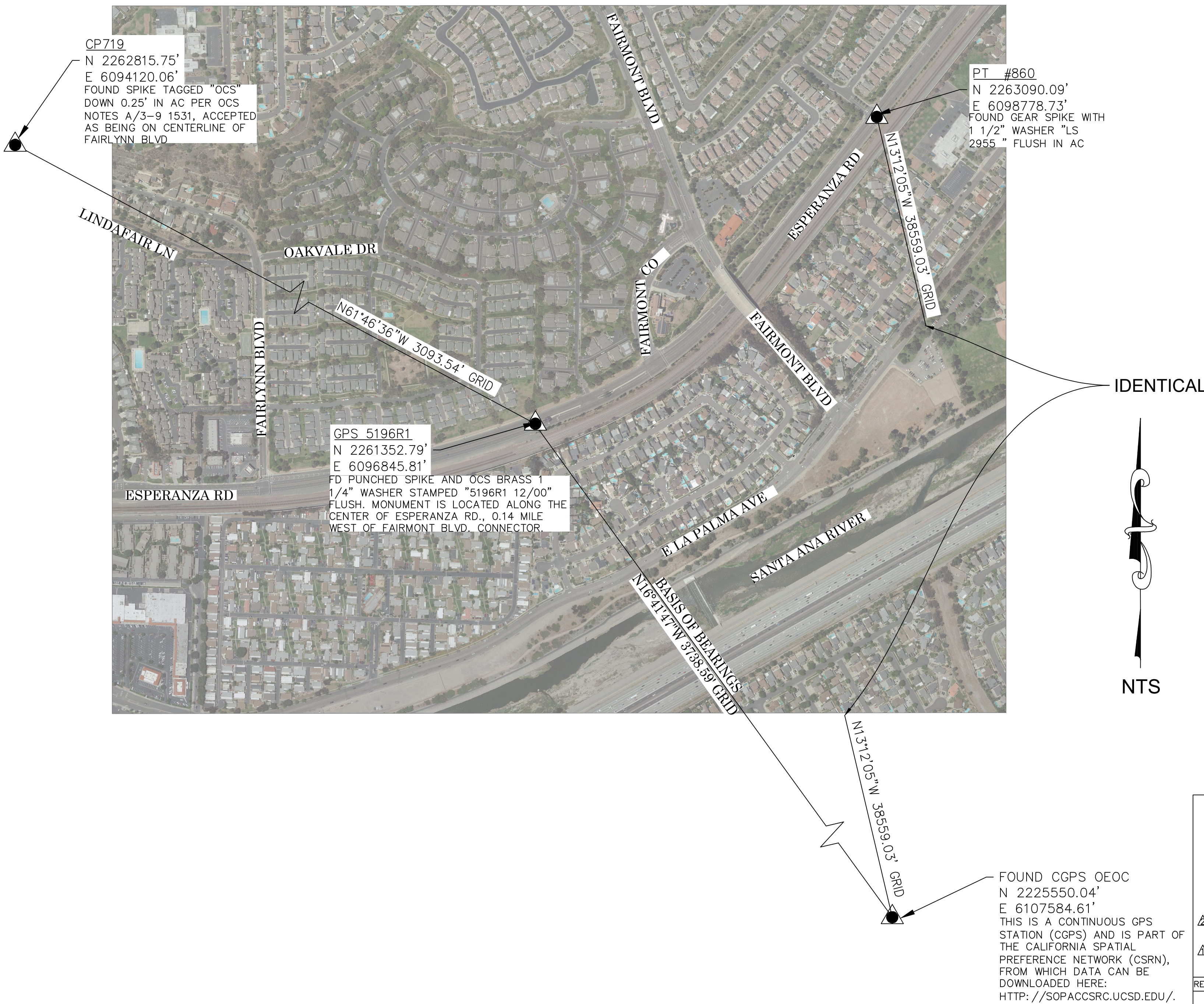
FOUND 4" OCS ALUMINUM BENCHMARK DISK STAMPED "2J- 71-06" LOCATED IN THE NORTHEAST PORTION OF THE INTERSECTION OF ESPERANZA RD. AND FAIRMONT BL. LOOP CONNECTOR FOUND

NOTES

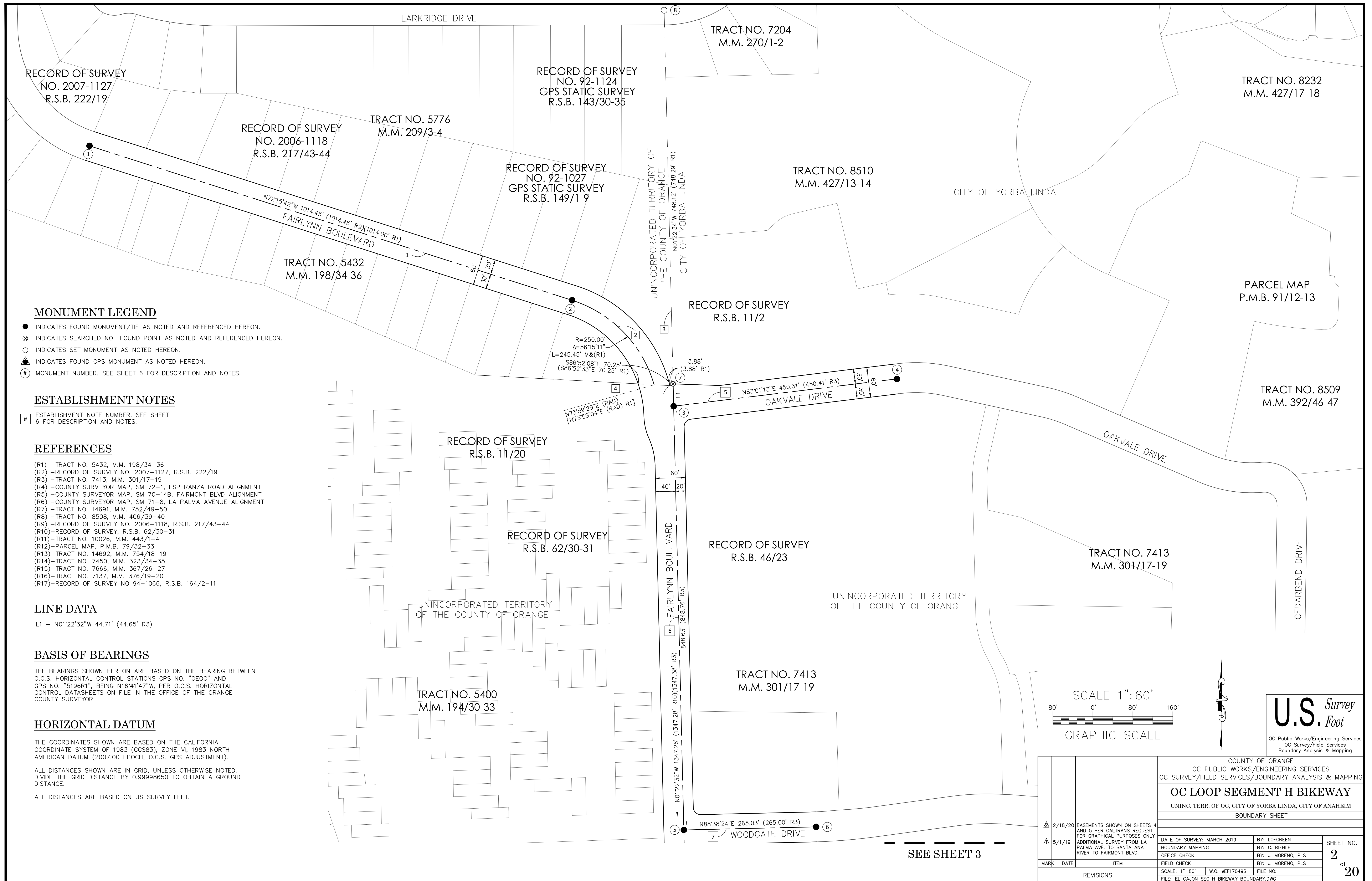
THE SURVEY INFORMATION SHOWN HEREON IS TO BE USED FOR TOPOGRAPHIC RELATIONSHIPS ONLY AND IS NOT INTENDED FOR LAND ACQUISITION OR BOUNDARY PURPOSES.

SHEET INDEX

SHEET NO. 1
SHEET #1 TITLE SHEET
SHEET #2-6 SURVEY SCHEMATIC SHEET
SHEET #7-20 TOPOGRAPHIC MAP



			COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			OC LOOP - SEGMENT H BIKEWAY		
			TITLE SHEET		
			FROM: YORBA LINDA RECREATIONAL TRAIL		
			TO: SANTA ANA RIVER TRAIL		
Δ 2/18/20	EASEMENTS SHOWN ON SHEETS 4 AND 5 PER CALTRANS REQUEST FOR GRAPHICAL PURPOSES ONLY		DATE OF SURVEY: MARCH, 2019	BY: JOHNS & PARTY	SHEET NO. 1 of 20
Δ 5/1/19	ADDITIONAL SURVEY FROM LA PALMA AVE. TO SANTA ANA RIVER TO FAIRMONT BLVD.		TOPOGRAPHIC MAPPING	BY: H. AFTIM	
			OFFICE CHECK	BY: J. MORENO, PLS	
			FIELD CHECK	BY: JOHNS & PARTY	
REV.	DATE	ITEM	SCALE: 1" = 20' W.O. #F174409S		
		REVISIONS	FILE: OCLoop-SEGMENT H-BIKEWAY_TOPOGRAPHICMAP_2019.DWG		



MONUMENT LEGEND

- INDICATES FOUND MONUMENT/TIE AS NOTED AND REFERENCED HEREON.
- ⊗ INDICATES SEARCHED NOT FOUND POINT AS NOTED AND REFERENCED HEREON.
- INDICATES SET MONUMENT AS NOTED HEREON.
- ▲ INDICATES FOUND GPS MONUMENT AS NOTED HEREON.
- # MONUMENT NUMBER. SEE SHEET 6 FOR DESCRIPTION AND NOTES.

ESTABLISHMENT NOTES

ESTABLISHMENT NOTE NUMBER. SEE SHEET 6 FOR DESCRIPTION AND NOTES.

REFERENCES

- (R1) -TRACT NO. 5432, M.M. 198/34-36
(R2) -RECORD OF SURVEY NO. 2007-1127, R.S.B. 222/19
(R3) -TRACT NO. 7413, M.M. 301/17-19
(R4) -COUNTY SURVEYOR MAP, SM 72-1, ESPERANZA ROAD ALIGNMENT
(R5) -COUNTY SURVEYOR MAP, SM 70-14B, FAIRMONT BLVD ALIGNMENT
(R6) -COUNTY SURVEYOR MAP, SM 71-8, LA PALMA AVENUE ALIGNMENT
(R7) -TRACT NO. 14691, M.M. 752/49-50
(R8) -TRACT NO. 8508, M.M. 406/39-40
(R9) -RECORD OF SURVEY NO. 2006-1118, R.S.B. 217/43-44
(R10)-RECORD OF SURVEY, R.S.B. 62/30-31
(R11)-TRACT NO. 10026, M.M. 443/1-4
(R12)-PARCEL MAP, P.M.B. 79/32-33
(R13)-TRACT NO. 14692, M.M. 754/18-19
(R14)-TRACT NO. 7450, M.M. 323/34-35
(R15)-TRACT NO. 7666, M.M. 367/26-27
(R16)-TRACT NO. 7137, M.M. 376/19-20
(R17)-RECORD OF SURVEY NO 94-1066, R.S.B. 164/2-11

LINE DATA

L1 - N01°22'32"W 44.71' (44.65' R3)

BASIS OF BEARINGS

THE BEARINGS SHOWN HEREON ARE BASED ON THE BEARING BETWEEN O.C.S. HORIZONTAL CONTROL STATIONS' GPS NO. "OEOC" AND GPS NO. "5196R1", BEING N16°41'47"W, PER O.C.S. HORIZONTAL CONTROL DATASHEETS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.

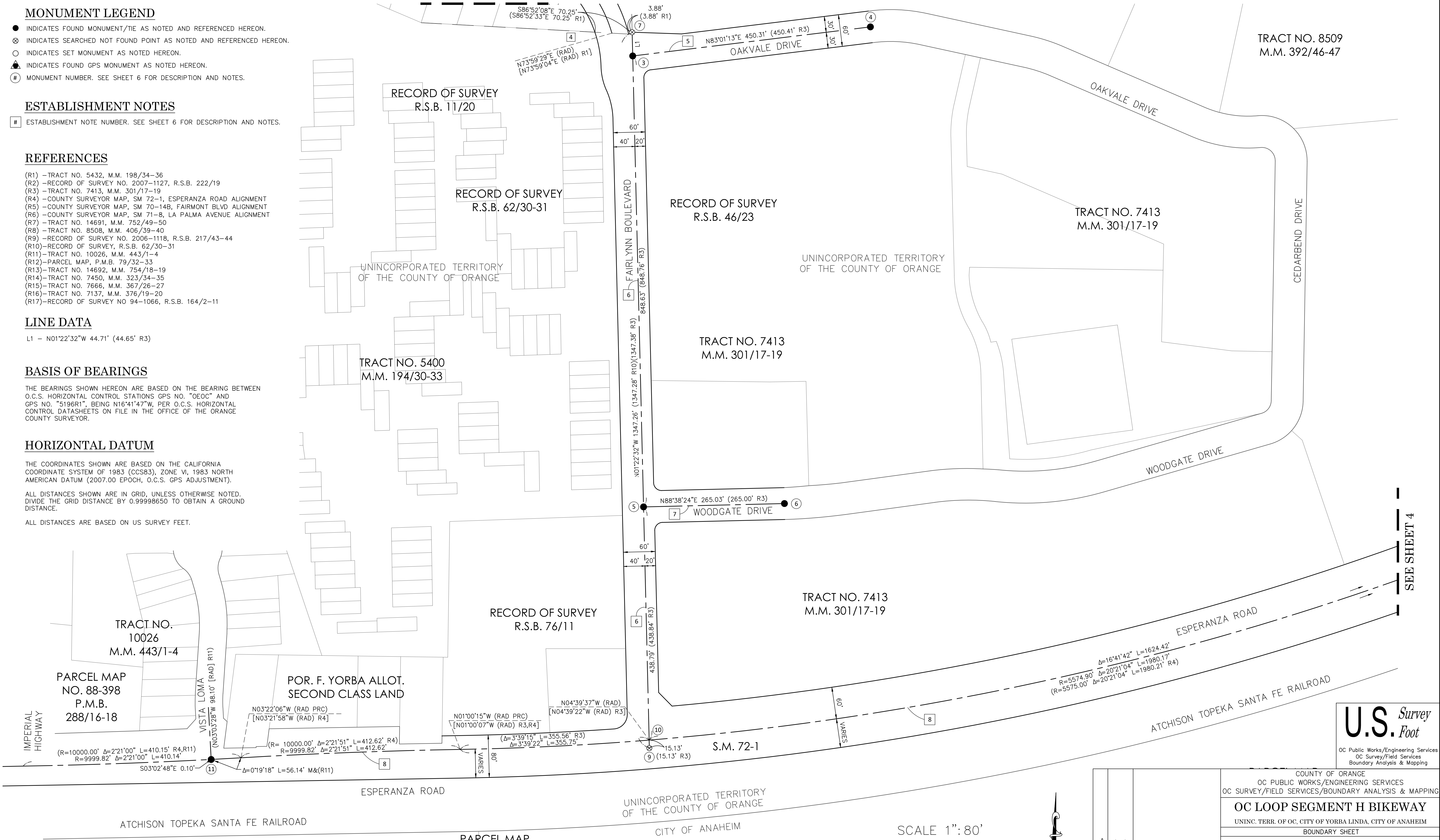
HORIZONTAL DATUM

THE COORDINATES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS83), ZONE VI, 1983 NORTH AMERICAN DATUM (2007.00 EPOCH, O.C.S. GPS ADJUSTMENT).

ALL DISTANCES SHOWN ARE IN GRID, UNLESS OTHERWISE NOTED. DIVIDE THE GRID DISTANCE BY 0.99998650 TO OBTAIN A GROUND DISTANCE.

ALL DISTANCES ARE BASED ON US SURVEY FEET.

SEE SHEET 2



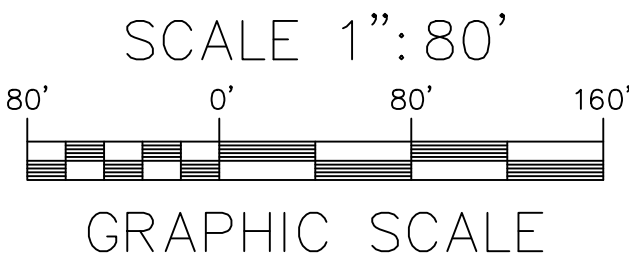
SEE SHEET 4

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

COUNTY OF ORANGE
OC PUBLIC WORKS/ENGINEERING SERVICES
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING
OC LOOP SEGMENT H BIKEWAY
UNINC. TERR. OF OC, CITY OF YORBA LINDA, CITY OF ANAHEIM
BOUNDARY SHEET

△	2/18/20	EASEMENTS SHOWN ON SHEETS 4 AND 5 PER CALTRANS REQUEST FOR GRAPHICAL PURPOSES ONLY
△	5/1/19	ADDITIONAL SURVEY FROM LA PALMA AVE. TO SANTA ANA RIVER TO FAIRMONT BLVD.
MARK	DATE	ITEM
REVISIONS		

DATE OF SURVEY: MARCH 2019	BY: LOFGREEN	SHEET NO. 3 of 20
BOUNDARY MAPPING	BY: C. RIEHLE	
OFFICE CHECK	BY: J. MORENO, PLS	
FIELD CHECK	BY: J. MORENO, PLS	
SCALE: 1"=80'	W.O. #EF17409S	FILE NO:
FILE: EL CAJON SEG H BIKEWAY BOUNDARY.DWG		



MONUMENT LEGEND

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(R16) -TRACT NO. 7137, M.M. 376/19-20
(R17) -RECORD OF SURVEY NO 94-1066, R.S.B. 164/2-11

ESTABLISHMENT NOTES

- # ESTABLISHMENT NOTE NUMBER. SEE SHEET 6 FOR DESCRIPTION AND NOTES.

LINE DATA

- L3 - N38°24'33"E 447.76' (447.73' R7)
L4 - N21°35'01"W 590.55' (590.82' R8)
L5 - N60°24'30"E 73.49' (74.21' R8)
L7 - N27°51'47"W 75.46' (N27°51'21"W 75.20' R8)
L8 - N38°24'39"E 1902.25' (1902.23' R15 + R16)

CURVE DATA

- C1 - R=2284.96' Δ=01°53'20" L=75.33'
(Δ=01°53'12" L=75.24' R4)
C3 - R=5574.90' Δ=20°21'04" L=1980.17'
(R=5575.00' Δ=20°21'04" L=1980.21' R4)
C7 - R=1799.98' Δ=13°42'23" L=430.60'
C8 - R=1799.98' Δ=04°36'33" L=144.80'

BASIS OF BEARINGS

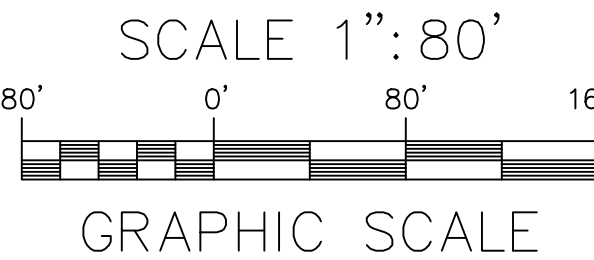
THE BEARINGS SHOWN HEREON ARE BASED ON THE BEARING BETWEEN O.C.S. HORIZONTAL CONTROL STATIONS GPS NO. "OEOC" AND GPS NO. "5196R1", BEING N16°41'47"W, PER O.C.S. HORIZONTAL CONTROL DATASHEETS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.

HORIZONTAL DATUM

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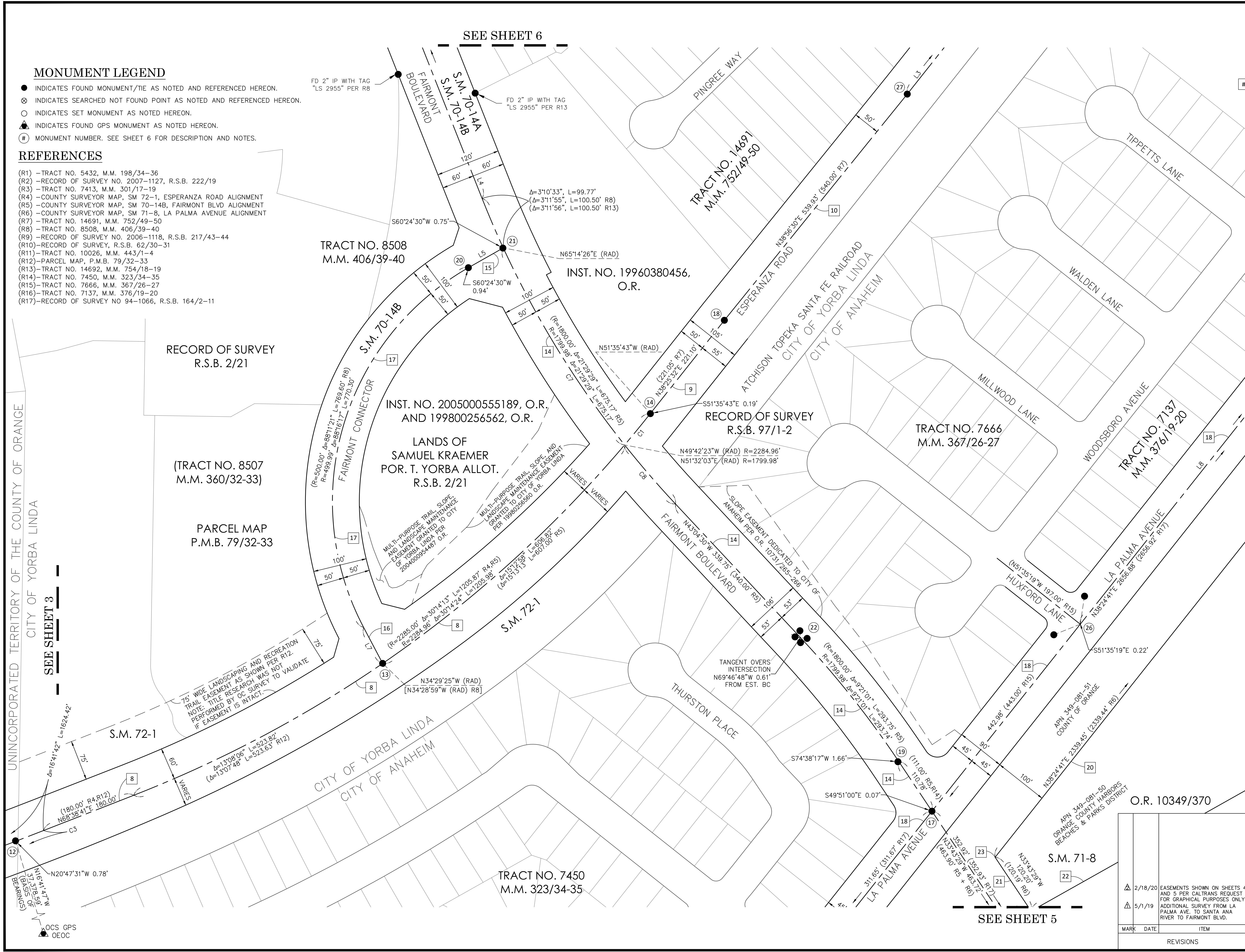


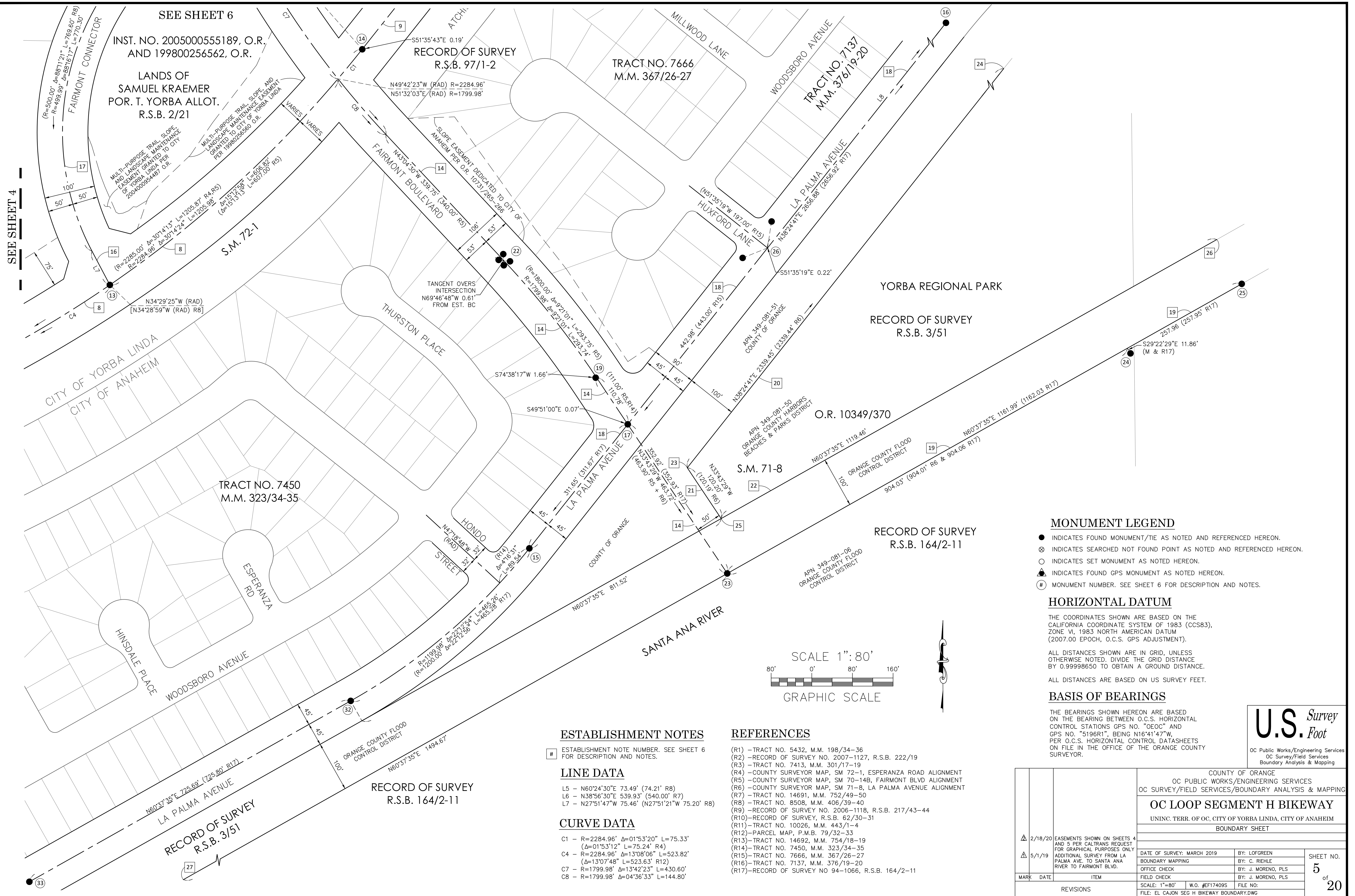
U.S. Survey Foot
OC Public Works/Engineering Services
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Boundary Analysis & Mapping

COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
OC LOOP SEGMENT H BIKEWAY	
UNINC. TERR. OF OC, CITY OF YORBA LINDA, CITY OF ANAHEIM	
BOUNDARY SHEET	

DATE OF SURVEY: MARCH 2019	BY: LOFGREEN
BOUNDARY MAPPING	BY: C. RIEHLE
OFFICE CHECK	BY: J. MORENO, PLS
FIELD CHECK	BY: J. MORENO, PLS
SCALE: 1"=80'	W.O. #EF17409S
FILE NO:	FILE: EL CAJON SEG H BIKEWAY BOUNDARY.DWG

SHEET NO.
4 of 20





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			COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			OC LOOP SEGMENT H BIKEWAY UNINC. TERR. OF OC, CITY OF YORBA LINDA, CITY OF ANAHEIM		
			BOUNDARY SHEET		
Δ 2/18/20 Δ 5/1/19	EASEMENTS SHOWN ON SHEETS 4 AND 5 PER CALTRANS REQUEST FOR GRAPHICAL PURPOSES ONLY ADDITIONAL SURVEY FROM LA PALMA AVE. TO SANTA ANA RIVER TO FAIRMONT BLVD.				
MARK	DATE	ITEM	DATE OF SURVEY: MARCH 2019 BOUNDARY MAPPING OFFICE CHECK FIELD CHECK		BY: LOFOREEN BY: C. RIEHLE BY: J. MORENO, PLS BY: J. MORENO, PLS
REVISIONS			SCALE: 1"=60' FILE: EL CAJON SEG H BIKEWAY BOUNDARY.DWG	SHEET NO. 5 of 20	

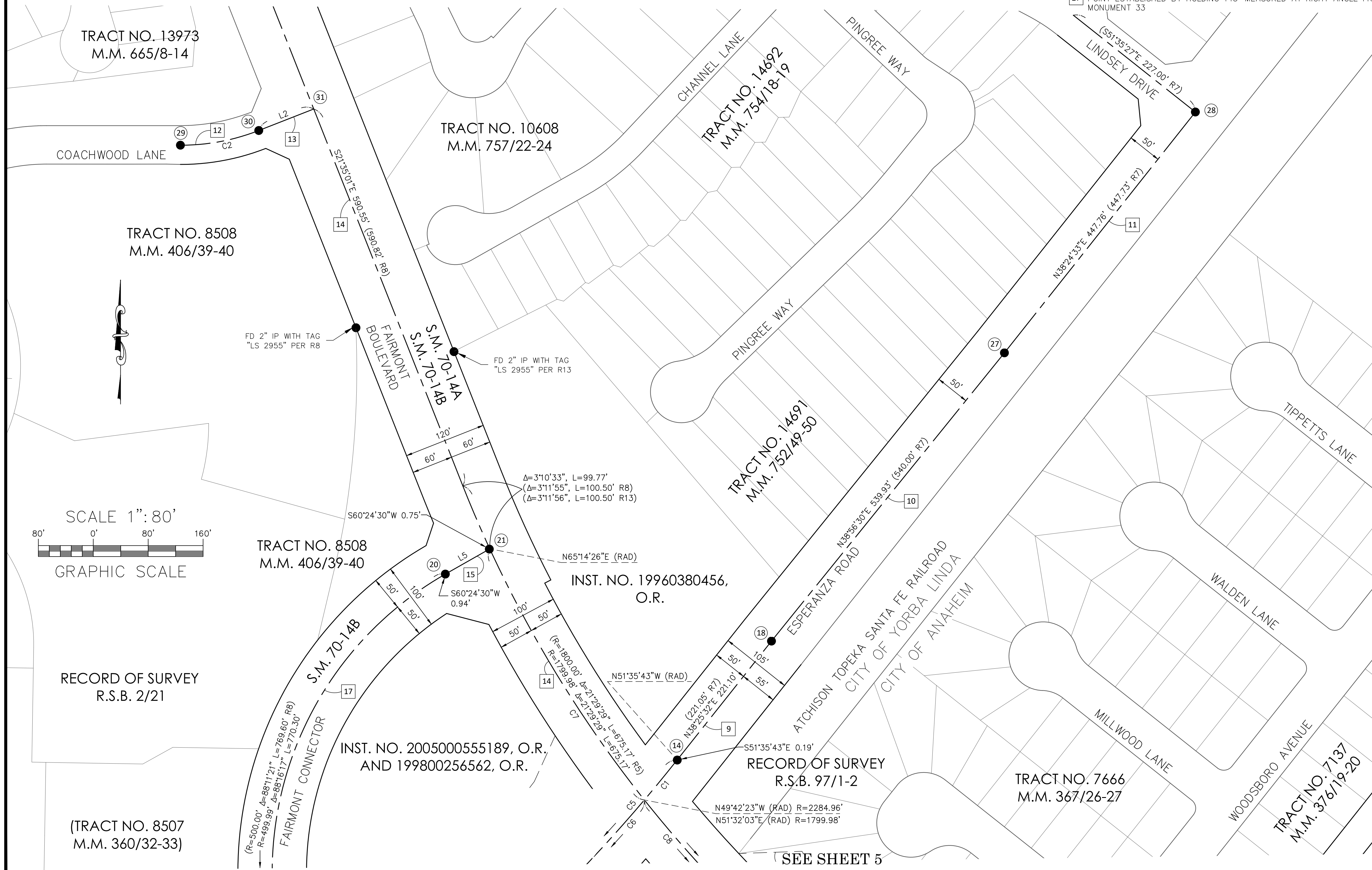
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PER O.C.S. HORIZONTAL CONTROL DATASHEETS ON
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ALL DISTANCES ARE BASED ON US SURVEY FEET.

L2 - N68°35'44"E 86.00' M&(R8)
L5 - N60°24'30"E 73.49' (74.21' R8)



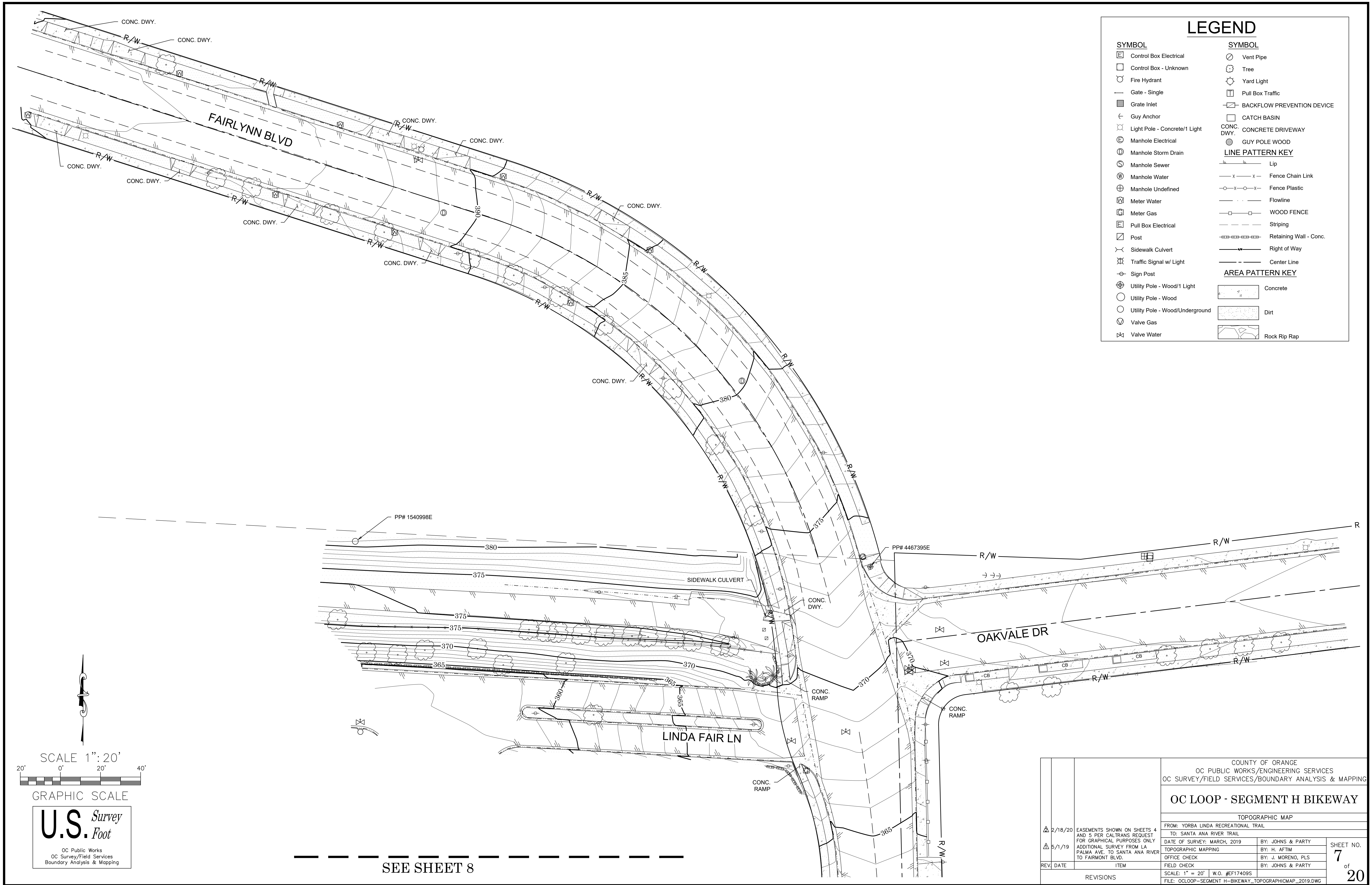
- 1 ESTABLISHED BY HOLDING MONUMENTS 1 AND 2 PER R1, R9
- 2 ESTABLISHED BY RECORD RADIUS AND DELTA PER R1
- 3 ESTABLISHED BY HOLDING ESTABLISHED CORNER 7 AND ESTABLISHED MONUMENT 8 PER R1
- 4 SOUTH LINE OF TRACT NO. 5432 ESTABLISHED AT REC ANGLE FROM RADIAL (19°08'23") PER R1
- 5 LINE ESTABLISHED BY HOLDING MONUMENTS 3 AND 4 PER R3
- 6 LINE ESTABLISHED BY HOLDING MONUMENTS 3 AND 5 PER R3
- 7 LINE ESTABLISHED BY HOLDING MONUMENTS 5 AND 6 PER R3
- 8 CENTERLINE OF ESPERANZA ROAD ESTABLISHED BY BEST FIT SOLUTION USING RECORD DELTAS AND BEARINGS HOLDING ESTABLISHED CENTERLINE INTERSECTION POINT 10 AND MONUMENT 13 PER R4
- 9 ESTABLISHED LINE BY HOLDING ESTABLISHED EC AND MONUMENT 18 PER R7
- 10 LINE ESTABLISHED BY HOLDING MONUMENTS 18 AND 27 PER R7
- 11 LINE ESTABLISHED BY HOLDING MONUMENTS 27 AND 28 PER R7
- 12 CURVE ESTABLISHED BY HOLDING MONUMENTS 29 AND 30 PER R8
- 13 LINE ESTABLISHED BY HOLDING TANGENT FROM MONUMENT 30 PER R8
- 14 CENTERLINE OF FAIRMONT BLVD. ESTABLISHED BY BEST FIT SOLUTION USING RECORD DELTAS AND BEARINGS PER R5 AND R6, HOLDING ESTABLISHED CENTERLINE INTERSECTION AT COACHWOOD LANE AND FAIRMONT BLVD. (PER R8) AND MONUMENT 23
- 15 LINE ESTABLISHED BY HOLDING MONUMENTS 20 AND 21 PER R8

- 16 CENTERLINE OF FAIRMONT CONNECTOR ESTABLISHED AT REC ANGLE FROM RADIAL FROM MONUMENT 13 PER R8
- 17 CENTERLINE CURVE OF FAIRMONT CONNECTOR ESTABLISHED USING RECORD RADIUS AND TANGENTS ESTABLISHED AT ESPERANZA ROAD AND FAIRMONT BLVD. PER R8
- 18 LINE ESTABLISHED BY HOLDING MONUMENTS 15, 16, 32 & 33 PER R17
- 19 LINE ESTABLISHED BY HOLDING MONUMENTS 23 AND 25 PER R6
- 20 LINE ESTABLISHED BY HOLDING PARALLEL TO CL OF LA PALMA AVE 145' PER R6
- 21 LINE ESTABLISHED BY HOLDING PARALLEL S'LY PROLONGATION OF FAIRMONT BLD 50' PER R6
- 22 LINE ESTABLISHED BY HOLDING PARALLEL TO NW'LY LINE OF SANTA ANA RIVER 100' PER R17
- 23 ESTABLISHED BY INTERSECTION OF LINES DESCRIBED IN ESTABLISHMENT NOTE 20 AND 21
- 24 POINT ESTABLISHED BY HOLDING 145' MEASURED AT RIGHT ANGLE FROM MONUMENT 16
- 25 ESTABLISHED BY INTERSECTION OF LINES DESCRIBED IN ESTABLISHMENT NOTE 21 AND 22
- 26 POINT ESTABLISHED BY HOLDING 100' MEASURED AT RIGHT ANGLE FROM MONUMENT 25
- 27 POINT ESTABLISHED BY HOLDING 145' MEASURED AT RIGHT ANGLE FROM MONUMENT 33

● INDICATES FOUND MONUMENT/TIE AS NOTED AND REFERENCED HEREON.
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 ▲ INDICATES FOUND GPS MONUMENT AS NOTED HEREON.

- (1) FOUND SPIKE TAGGED "OCS" DOWN 0.25' IN AC PER OCS NOTES A/3-9 1531, R2 & R9, ACCEPTED AS BEING ON CENTERLINE OF FAIRLYNN BLVD PER R1
- (2) FOUND BRASS NAIL TAGGED "PLS 7304" IN LIEU OF GEAR SPIKE & STEEL WASHER STAMPED "PLS 7304", DOWN 0.15' IN AC PER R9, ACCEPTED AS BEING ON CENTERLINE OF FAIRLYNN BLVD PER R1
- (3) FOUND 2" IP WITH BRASS NAIL NO TAG IN MON WELL, DOWN 1.5' IN AC, ACCEPTED AS BEING ON CENTERLINE INTERSECTION OF FAIRLYNN BLVD AND OAKVALE DRIVE PER R3
- (4) FOUND 2" IP TAGGED "LS 2955" IN MONUMENT WELL DOWN 1.6' IN AC, ACCEPTED AS CENTERLINE OF OAKVALE DRIVE PER R3
- (5) FOUND 2" IP WELL TAGGED "LS 2955" IN MONUMENT WELL DOWN 1.7' IN AC, ACCEPTED AS CENTERLINE INTERSECTION OF FAIRLYNN BLVD AND WOODGATE DRIVE PER R3
- (6) FOUND SPIKE TAGGED "LS 2955" DOWN 0.15' IN AC, ACCEPTED AS BEING ON CENTERLINE OF WOODGATE DRIVE PER R3
- (7) SEARCHED NOT FOUND, ESTABLISHED BY RECORD DISTANCE AND ACCEPTED AS ANGLE POINT IN EASTERLY LINE OF TRACT NO. 5432 PER R1
- (8) SET CONC NAIL TAGGED "OCS" FLUSH IN AC PER ALIGNMENT NOTE A/3-9/1193-1198, ACCEPTED AS INTERSECTION OF CENTERLINE OF LARKRIDGE DRIVE AND EASTERLY LINE OF TRACT NO. 5432 PER R1
- (9) SEARCHED NOT FOUND, ESTABLISHED BY RECORD DISTANCE FROM MONUMENT 7 PER R10 AND ACCEPTED AS INTERSECTION OF FORMER RIGHT OF WAYS OF FAIRLYNN BLVD AND ESPERANZA ROAD
- (10) SEARCHED NOT FOUND, ESTABLISHED BY RECORD DISTANCE 15.13' FROM ESTABLISHED POINT 9 AND ACCEPTED AS INTERSECTION OF CENTERLINE OF FAIRLYNN BLVD AND NEW CENTERLINE OF ESPERANZA ROAD PER R3
- (11) FOUND PUNCHED SPIKE WITH 1 1/2" BRASS WASHER TAGGED "LS 4212", IN LIEU OF FOUND BOAT SPIKE AND WASHER (NO TAG) PER CORNER RECORD CR 2007-1337, S03°02'48"E 0.10' FROM CENTERLINE INTERSECTION OF ESPERANZA ROAD AND VISTA LOMA ESTABLISHED PER R11
- (12) FOUND S&W TAGGED "OCS" GPS 5196R1 PER CR 2001-0097 AND RECORD OF SURVEY NO. 92-1027, R.S.B. 149/1-9, N20°47'31"W 0.78' FROM ESTABLISHED CENTERLINE OF ESPERANZA ROAD
- (13) FOUND GEAR SPIKE WITH 1 1/2" WASHER TAGGED "LS 5778" DOWN 0.05' IN AC, IN LIEU OF SPIKE AND WASHER STAMPED "LS. 2955" TO BE SET PER R8, NO REFERENCE, ACCEPTED AS CENTERLINE INTERSECTION OF ESPERANZA ROAD AND FAIRMONT CONNECTOR PER R5 AND R8.
- (14) FOUND GEAR SPIKE WITH 1 1/2" WASHER TAGGED "LS 5778" IN LIEU OF S&W TAGGED "CITY Y.L." PER R7, S51°35'43"E 0.19' FROM ESTABLISHED CENTERLINE EC OF ESPERANZA ROAD, FLUSH IN AC
- (15) FOUND 3/4" BRASS CAP TAGGED "ANAHEIM SURVEYOR" IN LIEU OF S&W STAMPED "LS. 2955" PER R14, ACCEPTED AS CENTERLINE BC OF LA PALMA AVENUE PER R14, DOWN 0.05' IN CONCRETE CURB
- (16) FOUND 1 1/4" TAGGED "OCS" DOWN 0.40' IN CONCRETE CURB, ACCEPTED AS CENTERLINE BC OF LA PALMA AVENUE PER R6
- (17) FOUND GEAR SPIKE WITH 1 1/2" WASHER TAGGED "LS 5778" IN LIEU OF S&W STAMPED "LS. 2955" PER R14, S62°44'25"E 0.04' FROM ESTABLISHED CENTERLINE INTERSECTION OF LA PALMA AVENUE AND FAIRMONT BLVD, FLUSH
- (18) FOUND S&W TAGGED "LS 5778" IN LIEU OF S&W TAGGED "CITY Y.L." PER R7, ACCEPTED AS CENTERLINE OF ESPERANZA ROAD PER R7, FLUSH IN AC
- (19) FOUND GEAR SPIKE WITH 1 1/2" WASHER TAGGED "LS 5778" IN LIEU OF S&W STAMPED "LS. 2955" PER R14, S74°38'17"W 1.66' FROM ESTABLISHED CENTERLINE BC OF FAIRMONT BLVD, FLUSH
- (20) FOUND GEAR SPIKE WITH 1 1/2" WASHER TAGGED "LS 5778" IN LIEU OF S&W STAMPED "LS. 2955" PER R8, S60°24'30"W 0.94' FROM ESTABLISHED CENTERLINE EC OF FAIRMONT CONNECTOR, HELD FOR TANGENT LINE PER R8, FLUSH
- (21) FOUND GEAR SPIKE WITH 1 1/2" WASHER TAGGED "LS 5778" IN LIEU OF S&W STAMPED "LS. 2955" PER R8, S60°24'30"W 0.75' FROM ESTABLISHED CENTERLINE INTERSECTION OF FAIRMONT BLVD. AND FAIRMONT CONNECTOR, HELD MONUMENT FOR LINE PER R8, FLUSH
- (22) FOUND (4) TIES TAGGED "LS 5778", NO REFERENCE. POINT ESTABLISHED PER TANGENT OVERS IS N69°46'48"W 0.61' OF ESTABLISHED BC OF FAIRMONT BLVD., FLUSH ON TOP OF CURB
- (23) FOUND 2-1/4" ALUM DISK STAMPED "1112+97 POT BM E01-V1-9 R/W LS 3522", PER R17, ACCEPTED AS INTERSECTION OF NWLY LINE OF SANTA ANA RIVER AND CENTERLINE OF FAIRMONT BLVD., DOWN 1.5' IN DIRT
- (24) FOUND 2-1/4" ALUM DISK STAMPED "ORANGE COUNTY SURVEYOR 1112+" PER R6, DOWN 2.0' IN DIRT
- (25) FOUND 2-1/4" ALUM DISK STAMPED "OCCFD R/W POT 1124+59.69 BM E01-V1-10 LS 3522", PER R17, ACCEPTED AS POINT ON NWLY LINE OF SANTA ANA RIVER, DOWN 1.0' IN DIRT
- (26) SEARCHED NOT FOUND, ESTABLISHED BY FOUND TIES PER CR 1999-0064, POINT FALLS S51°35'21"E 0.19' FROM ESTABLISHED CENTERLINE OF LA PALMA AVENUE
- (27) FOUND S&W TAGGED "LS 5778" IN LIEU OF SPIKE & WASHER TAGGED, "CITY Y.L." PER R7, FLUSH IN AC
- (28) FOUND S&W TAGGED "LS 2955" PER R7, FLUSH IN AC
- (29) FOUND SPIKE TAGGED "LS 2955" PER R8
- (30) FOUND PUNCHED SPIKE WITH 1-1/2" WASHER TAGGED "LS 2955" PER R8, DN 0.05' IN AC
- (31) SEARCHED NOT FOUND, ESTABLISHED BY TANGENT BEARING AND REC. DISTANCE FROM MONUMENT 30 PER R8
- (32) FOUND PUNCHED SPIKE, WITH CITY OF ANAHEIM SURVEY DIV TAG, FLUSH IN AC, PER R17, N60°37'35"E 0.09'
- (33) FOUND PUNCHED SPIKE, WITH CITY OF ANAHEIM SURVEY DIS TAG, FLUSH IN AC, PER R17

			COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
			OC LOOP SEGMENT H BIKEWAY UNINC. TERR. OF OC, CITY OF YORBA LINDA, CITY OF ANAHEIM	
			BOUNDARY SHEET	
2/18/20 5/1/19	EASEMENTS SHOWN ON SHEETS 4 AND 5 PER CALTRANS REQUEST FOR GRAPHICAL PURPOSES ONLY ADDITIONAL SURVEY FROM LA PALMA AVE. TO SANTA ANA RIVER TO FAIRMONT BLVD.	DATE OF SURVEY: MARCH 2019 BOUNDARY MAPPING OFFICE CHECK FIELD CHECK	BY: LOFGREEN BY: C. RIEHLE BY: J. MORENO, PLS BY: J. MORENO, PLS	SHEET NO. 6 of 20
MARK	DATE	ITEM		
REVISIONS				
		SCALE: 1"=80' FILE: EL CAJON SEC H BIKEWAY BOUNDARY.DWG	W.O. #F17409S FILE NO:	



LEGEND

SYMBOL	SYMBOL
Control Box Electrical	Vent Pipe
Control Box - Unknown	Tree
Fire Hydrant	Yard Light
Gate - Single	Pull Box Traffic
Grate Inlet	BACKFLOW PREVENTION DEVICE
Guy Anchor	CATCH BASIN
Light Pole - Concrete/1 Light	CONC. DWY. CONCRETE DRIVEWAY
Manhole Electrical	GUY POLE WOOD
Manhole Storm Drain	LINE PATTERN KEY
Manhole Sewer	Lip
Manhole Water	Fence Chain Link
Manhole Undefined	Fence Plastic
Meter Water	Flowline
Meter Gas	WOOD FENCE
Pull Box Electrical	Striping
Post	Retaining Wall - Conc.
Sidewalk Culvert	Right of Way
Traffic Signal w/ Light	Center Line
Sign Post	AREA PATTERN KEY
Utility Pole - Wood/1 Light	Concrete
Utility Pole - Wood	Dirt
Utility Pole - Wood/Underground	Rock Rip Rap
Valve Gas	
Valve Water	

SCALE 1"=20'

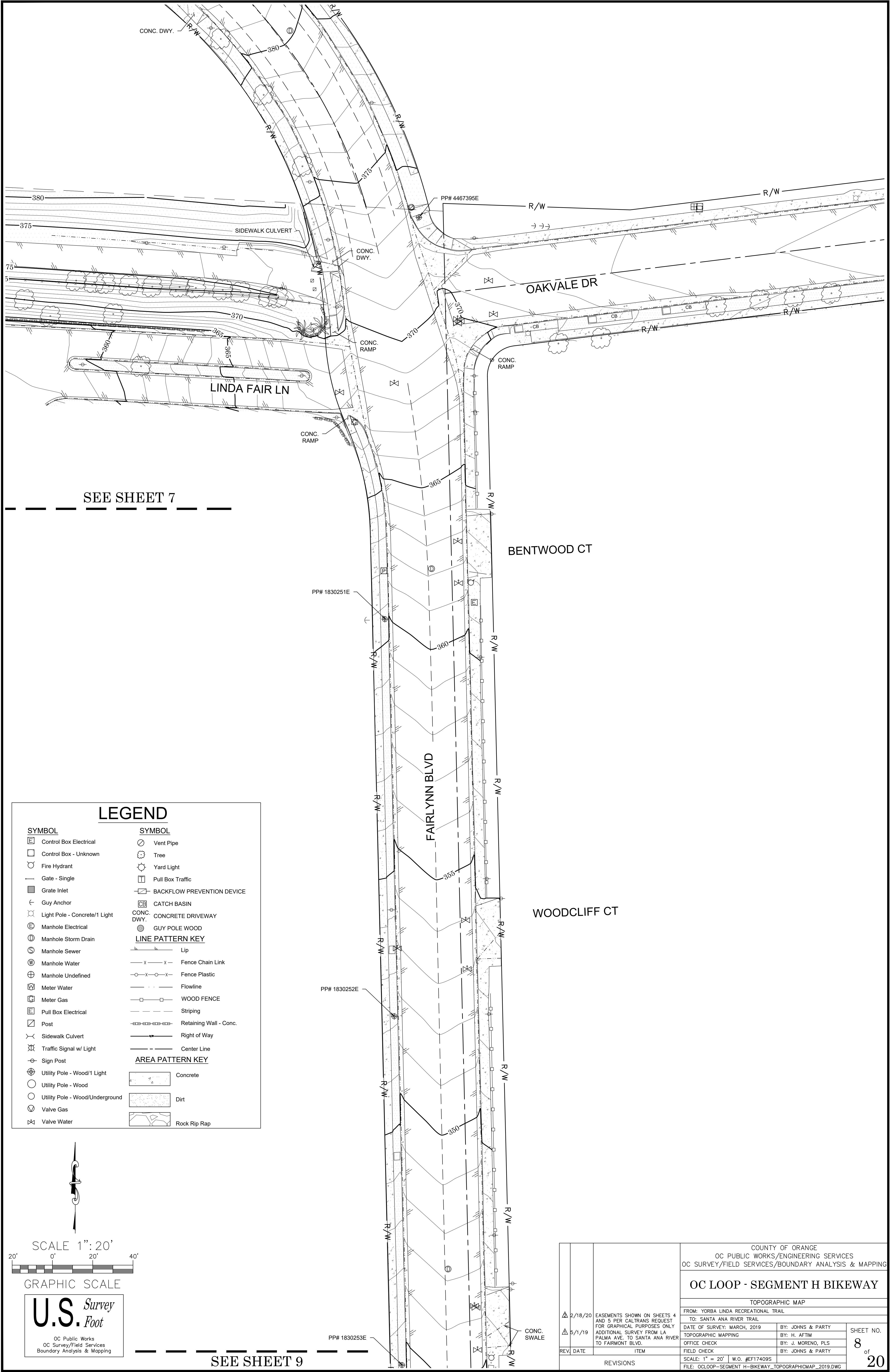
GRAPHIC SCALE

U.S. Survey Foot

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

SEE SHEET 8

		COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		OC LOOP - SEGMENT H BIKEWAY	
		TOPOGRAPHIC MAP	
		FROM: YORBA LINDA RECREATIONAL TRAIL	
		TO: SANTA ANA RIVER TRAIL	
2/18/20		DATE OF SURVEY: MARCH, 2019	BY: JOHNS & PARTY
5/1/19		TOPOGRAPHIC MAPPING	BY: H. AFTM
		OFFICE CHECK	BY: J. MORENO, PLS
		FIELD CHECK	BY: JOHNS & PARTY
REV. DATE		ITEM	
		SCALE: 1" = 20'	W.O. #EF17409S
		FILE: OCLoop-SEGMENT H-BIKeway_TOPOGRAPHICMAP_2019.DWG	
		SHEET NO. 7 of 20	



SEE SHEET 7

LEGEND

SYMBOL

- Control Box Electrical
- Control Box - Unknown
- Fire Hydrant
- Gate - Single
- Grate Inlet
- Guy Anchor
- Light Pole - Concrete/1 Light
- Manhole Electrical
- Manhole Storm Drain
- Manhole Sewer
- Manhole Water
- Manhole Undefined
- Meter Water
- Meter Gas
- Pull Box Electrical
- Post
- Sidewalk Culvert
- Traffic Signal w/ Light
- Sign Post
- Utility Pole - Wood/1 Light
- Utility Pole - Wood
- Utility Pole - Wood/Underground
- Valve Gas
- Valve Water

SYMBOL

- Vent Pipe
- Tree
- Yard Light
- Pull Box Traffic
- BACKFLOW PREVENTION DEVICE
- CATCH BASIN
- CONC. DWY.
- GUY POLE WOOD

LINE PATTERN KEY

- Lip
- Fence Chain Link
- Fence Plastic
- Flowline
- WOOD FENCE
- Striping
- Retaining Wall - Conc.
- Right of Way
- Center Line

AREA PATTERN KEY

- Concrete
- Dirt
- Rock Rip Rap

GRAPHIC SCALE

U.S. Survey Foot

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

SEE SHEET 9

		COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		OC LOOP - SEGMENT H BIKEWAY	
		TOPOGRAPHIC MAP	
		FROM: YORBA LINDA RECREATIONAL TRAIL	
		TO: SANTA ANA RIVER TRAIL	
		DATE OF SURVEY: MARCH, 2019	BY: JOHNS & PARTY
		TOPOGRAPHIC MAPPING	BY: H. AFTIM
		OFFICE CHECK	BY: J. MORENO, PLS
		FIELD CHECK	BY: JOHNS & PARTY
		SCALE: 1" = 20'	W.O. #EF17409S
		FILE: OCLOOP-SEGMENT H-BIKEWAY_TOPOGRAPHICMAP_2019.DWG	
REV.	DATE	ITEM	
Δ	2/18/20	EASEMENTS SHOWN ON SHEETS 4 AND 5 PER CALTRANS REQUEST FOR GRAPHICAL PURPOSES ONLY	
Δ	5/1/19	ADDITIONAL SURVEY FROM LA PALMA AVE. TO SANTA ANA RIVER TO FAIRMONT BLVD.	
REVISIONS			
		SHEET NO. 8 of 20	

SEE SHEET 8

PP# 1830253E

WRIGHTWOOD CT

FAIRLYNN BLVD

PP# 4415427E

SIDEWALK CULVERT

WILDWOOD CT

FAIRGREEN LN

WOODGATE DR

LEGEND

SYMBOL

- Control Box Electrical
- Control Box - Unknown
- Fire Hydrant
- Gate - Single
- Grate Inlet
- Guy Anchor
- Light Pole - Concrete/1 Light
- Manhole Electrical
- Manhole Storm Drain
- Manhole Sewer
- Manhole Water
- Manhole Undefined
- Meter Water
- Meter Gas
- Pull Box Electrical
- Post
- Sidewalk Culvert
- Traffic Signal w/ Light
- Sign Post
- Utility Pole - Wood/1 Light
- Utility Pole - Wood
- Utility Pole - Wood/Underground
- Valve Gas
- Valve Water

SYMBOL

- Vent Pipe
- Tree
- Yard Light
- Pull Box Traffic
- BACKFLOW PREVENTION DEVICE
- CATCH BASIN
- CONC. DWY.
- CONCRETE DRIVEWAY
- GUY POLE WOOD

LINE PATTERN KEY

- Lip
- Fence Chain Link
- Fence Plastic
- Flowline
- WOOD FENCE
- Striping
- Retaining Wall - Conc.
- Right of Way
- Center Line

AREA PATTERN KEY

- Concrete
- Dirt
- Rock Rip Rap



GRAPHIC SCALE

U.S. Survey
Foot

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

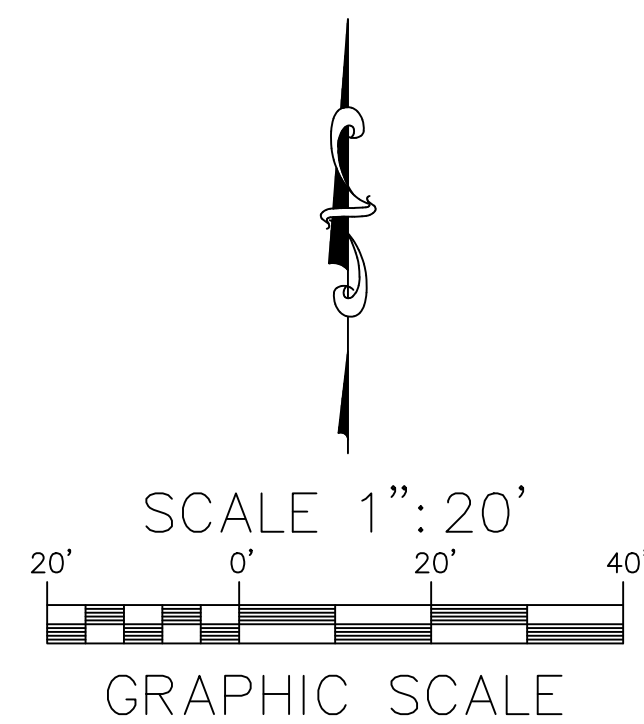
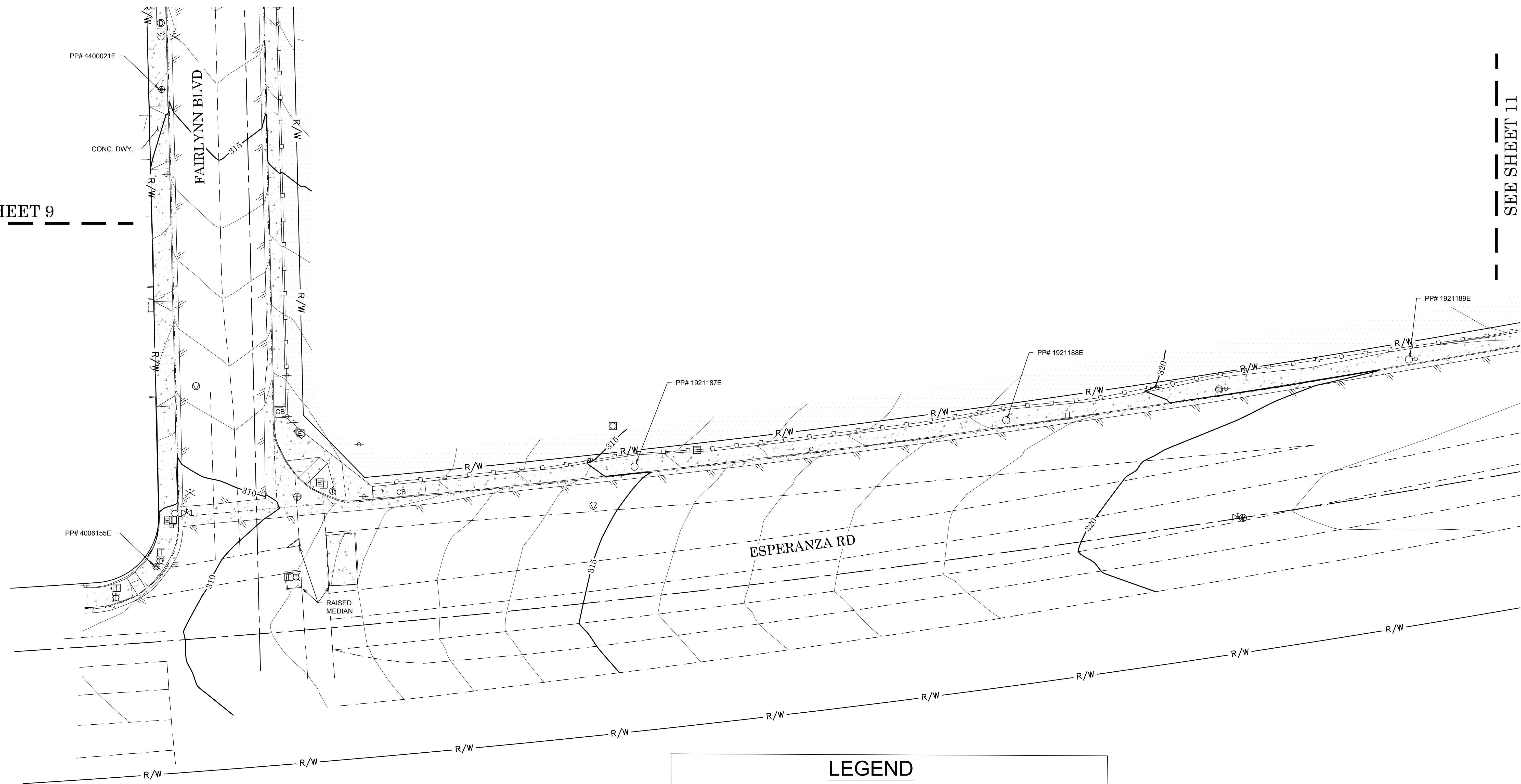
SEE SHEET 10

		COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		OC LOOP - SEGMENT H BIKEWAY	
		TOPOGRAPHIC MAP	
		FROM: YORBA LINDA RECREATIONAL TRAIL	
		TO: SANTA ANA RIVER TRAIL	
		DATE OF SURVEY: MARCH, 2019	BY: JOHNS & PARTY
		TOPOGRAPHIC MAPPING	BY: H. AFTIM
		OFFICE CHECK	BY: J. MORENO, PLS
		FIELD CHECK	BY: JOHNS & PARTY
		SCALE: 1" = 20'	W.O. #EF17409S
		FILE: OCLOOP-SEGMENT H-BIKEWAY_TOPOGRAPHICMAP_2019.DWG	
REV.	DATE	ITEM	
REVISIONS			
Δ	2/18/20	EASEMENTS SHOWN ON SHEETS 4 AND 5 PER CALTRANS REQUEST FOR GRAPHICAL PURPOSES ONLY	
Δ	5/1/19	ADDITIONAL SURVEY FROM LA PALMA AVE. TO SANTA ANA RIVER TO FAIRMONT BLVD.	

SHEET NO.
9 of **20**

SEE SHEET 9

SEE SHEET 11



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

LEGEND

SYMBOL

- Control Box Electrical
- Control Box - Unknown
- Fire Hydrant
- Gate - Single
- Gate Inlet
- Guy Anchor
- Light Pole - Concrete/1 Light
- Manhole Electrical
- Manhole Storm Drain
- Manhole Sewer
- Manhole Water
- Manhole Undefined
- Meter Water
- Meter Gas
- CATCH BASIN
- CONC. CONCRETE DRIVEWAY DWY.

SYMBOL

- Vent Pipe
- Tree
- Yard Light
- Pull Box Traffic
- Pull Box Electrical
- Post
- Sidewalk Culvert
- Traffic Signal w/ Light
- Sign Post
- Utility Pole - Wood/1 Light
- Utility Pole - Wood
- Utility Pole - Wood/Underground
- Valve Gas
- Valve Water
- BACKFLOW PREVENTION DEVICE
- GUY POLE WOOD

AREA PATTERN KEY

- Concrete
- Dirt
- Rock Rip Rap

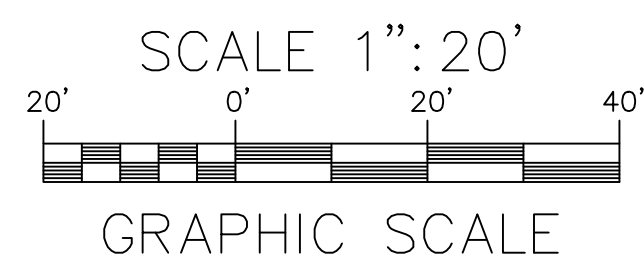
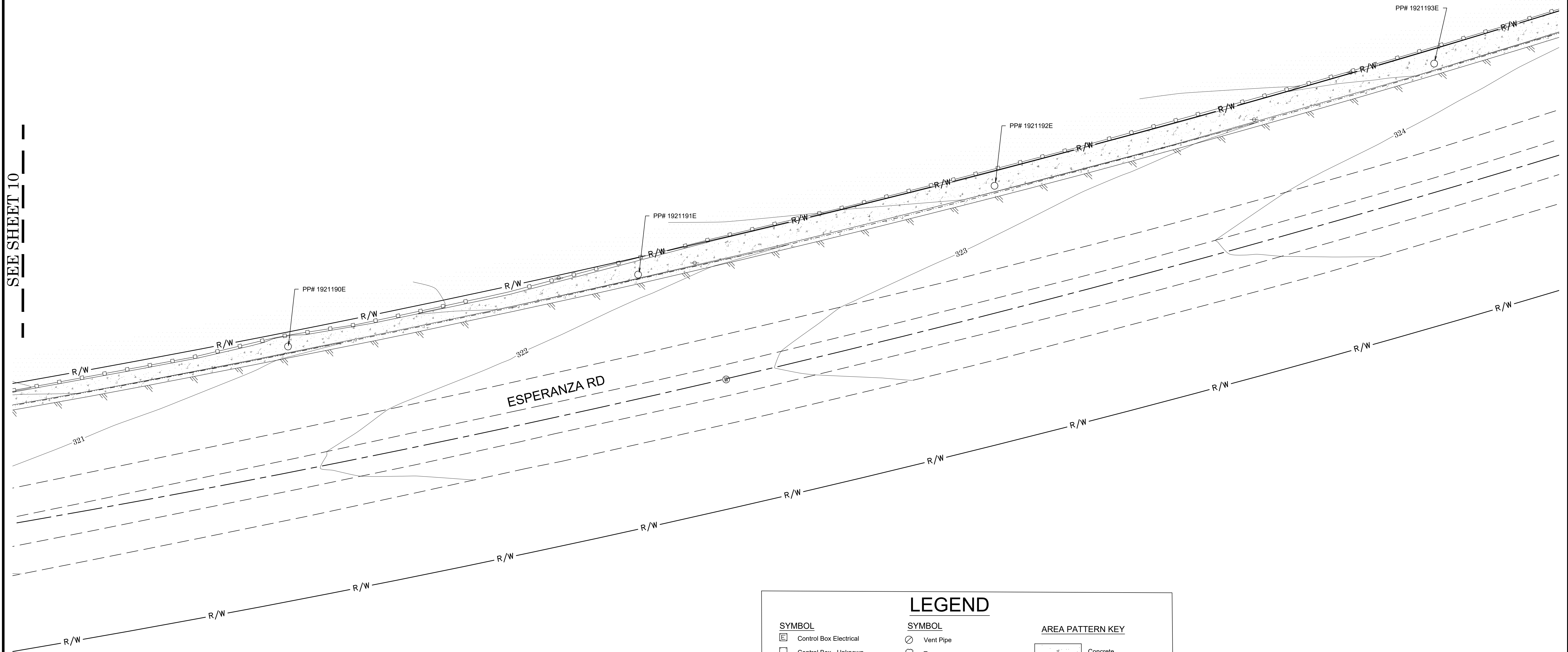
LINE PATTERN KEY

- Lip
- Fence Chain Link
- Fence Plastic
- Flowline
- Guard Rail
- Striping
- Retaining Wall - Conc.
- Right of Way
- Center Line

			COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			OC LOOP - SEGMENT H BIKEWAY			
			TOPOGRAPHIC MAP			
			FROM: YORBA LINDA RECREATIONAL TRAIL			
			TO: SANTA ANA RIVER TRAIL			
			DATE OF SURVEY: MARCH, 2019		BY: JOHNS & PARTY	
			TOPOGRAPHIC MAPPING		BY: H. AFTM	
			OFFICE CHECK		BY: J. MORENO, PLS	
			FIELD CHECK		BY: JOHNS & PARTY	
			SCALE: 1" = 20'		W.O. #EF174095	
			FILE: OCLoop-SEGMENT H-BIKEWAY_TOPOGRAPHICMAP_2019.DWG			
REV.	DATE	ITEM	REVISIONS			
Δ	2/18/20	EASEMENTS SHOWN ON SHEETS 4 AND 5 PER CALTRANS REQUEST FOR GRAPHICAL PURPOSES ONLY				
Δ	5/1/19	ADDITIONAL SURVEY FROM LA PALMA AVE. TO SANTA ANA RIVER TO FAIRMONT BLVD.				
						SHEET NO. 10 of 20

SEE SHEET 10

SEE SHEET 12



U.S. Survey
Foot

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



LEGEND

SYMBOL

- Control Box Electrical
- Control Box - Unknown
- Fire Hydrant
- Gate - Single
- Grate Inlet
- Guy Anchor
- Light Pole - Concrete/1 Light
- Manhole Electrical
- Manhole Storm Drain
- Manhole Sewer
- Manhole Water
- Manhole Undefined
- Meter Water
- Meter Gas
- CB CATCH BASIN
- CONC. CONCRETE DRIVEWAY DWY.

SYMBOL

- Vent Pipe
- Tree
- Yard Light
- Pull Box Traffic
- Pull Box Electrical
- Post
- Sidewalk Culvert
- Traffic Signal w/ Light
- Sign Post
- Utility Pole - Wood/1 Light
- Utility Pole - Wood
- Utility Pole - Wood/Underground
- Valve Gas
- Valve Water
- BACKFLOW PREVENTION DEVICE
- GUY POLE WOOD

AREA PATTERN KEY

- Concrete
- Dirt
- Rock Rip Rap

LINE PATTERN KEY

- Lip
- Fence Chain Link
- Fence Plastic
- Flowline
- Guard Rail
- Striping
- Retaining Wall - Conc.
- Right of Way
- Center Line

		COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		OC LOOP - SEGMENT H BIKEWAY	
		TOPOGRAPHIC MAP	
		FROM: YORBA LINDA RECREATIONAL TRAIL	
		TO: SANTA ANA RIVER TRAIL	
		DATE OF SURVEY: MARCH, 2019	BY: JOHNS & PARTY
		TOPOGRAPHIC MAPPING	BY: H. AFTM
		OFFICE CHECK	BY: J. MORENO, PLS
		FIELD CHECK	BY: JOHNS & PARTY
		SCALE: 1" = 20'	W.O. #EF17409S
		FILE: OCLoop-SEGMENT H-BIKEWAY_TOPOGRAPHICMAP_2019.DWG	
REV.	DATE	REVISIONS	
Δ 2/18/20		EASEMENTS SHOWN ON SHEETS 4 AND 5 PER CALTRANS REQUEST FOR GRAPHICAL PURPOSES ONLY	
Δ 5/1/19		ADDITIONAL SURVEY FROM LA PALMA AVE. TO SANTA ANA RIVER TO FAIRMONT BLVD.	
		SHEET NO. 11 of 20	

LEGEND

SYMBOL

- Control Box Electrical
- Control Box - Unknown
- Fire Hydrant
- Gate - Single
- Grate Inlet
- Guy Anchor
- Light Pole - Concrete/1 Light
- Manhole Electrical
- Manhole Storm Drain
- Manhole Sewer
- Manhole Water
- Manhole Undefined
- Meter Water
- Meter Gas
- CB CATCH BASIN
- CONC. CONCRETE DRIVEWAY DWY.

SYMBOL

- Vent Pipe
- Tree
- Yard Light
- Pull Box Traffic
- Pull Box Electrical
- Post
- Sidewalk Culvert
- Traffic Signal w/ Light
- Sign Post
- Utility Pole - Wood/1 Light
- Utility Pole - Wood
- Utility Pole - Wood/Underground
- Valve Gas
- Valve Water
- BACKFLOW PREVENTION DEVICE
- GUY POLE WOOD

AREA PATTERN KEY

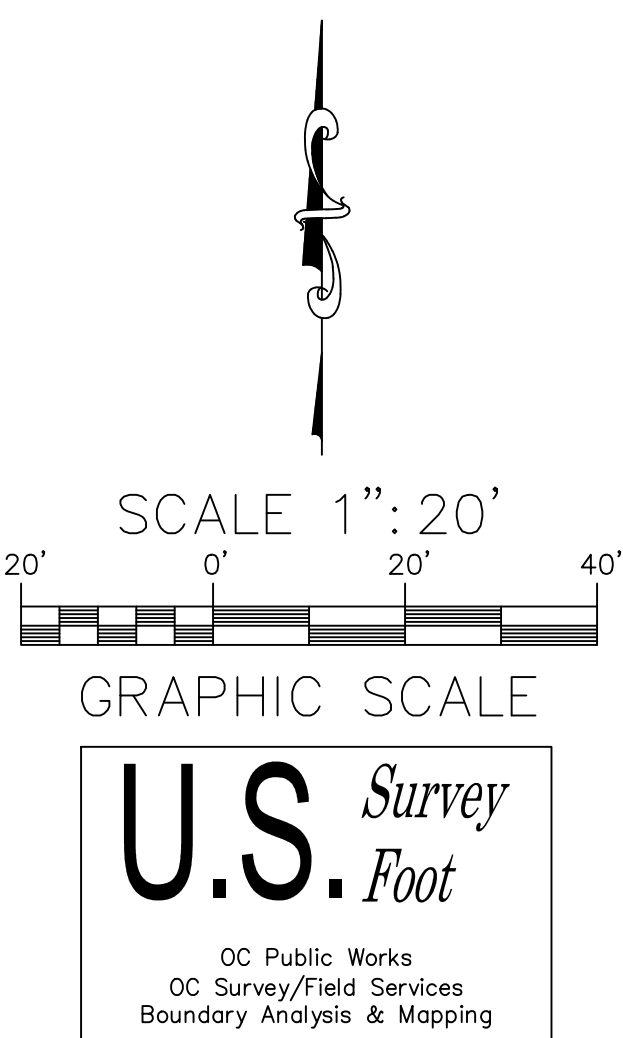
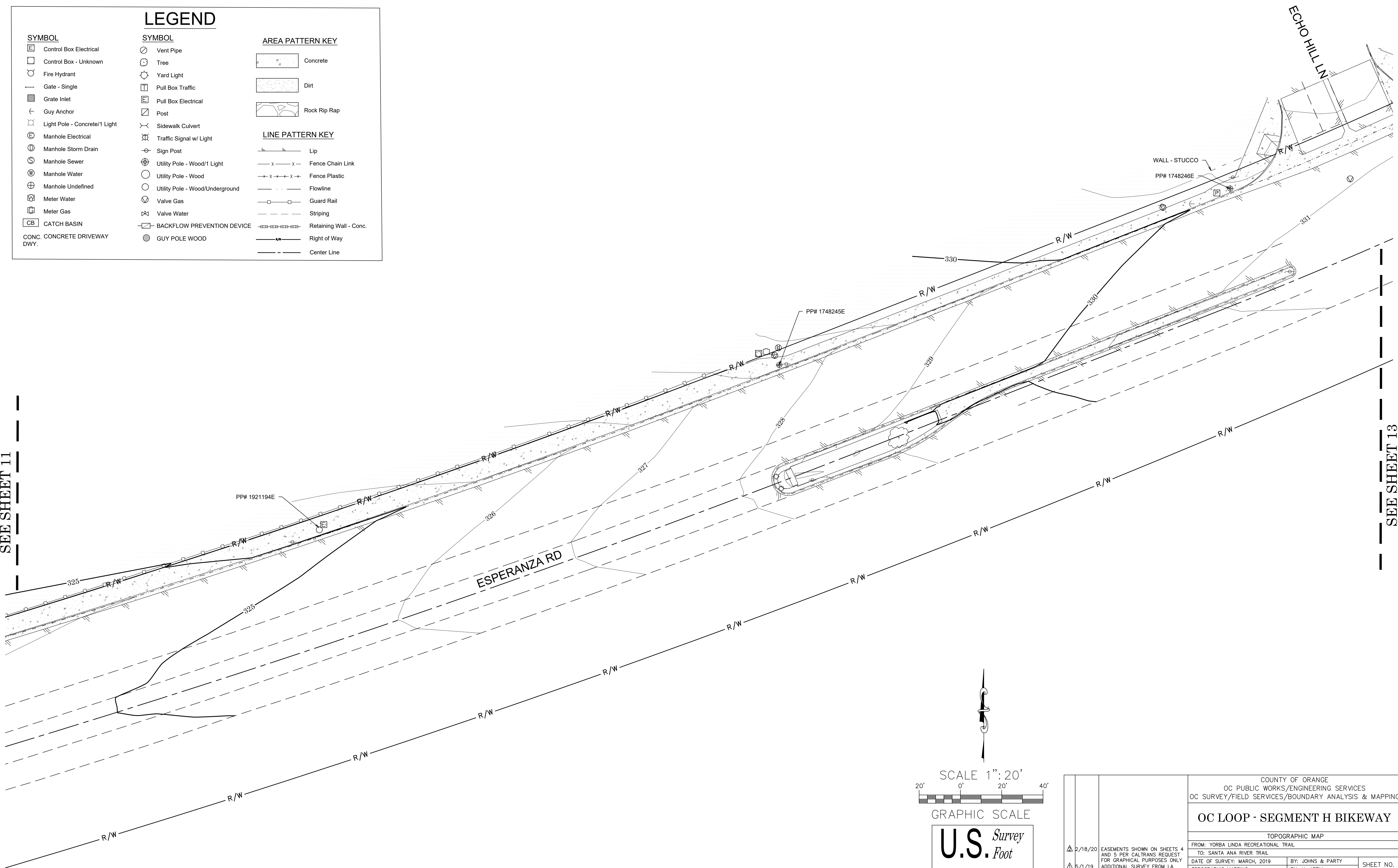
- Concrete
- Dirt
- Rock Rip Rap

LINE PATTERN KEY

- Lip
- Fence Chain Link
- Fence Plastic
- Flowline
- Guard Rail
- Striping
- Retaining Wall - Conc.
- Right of Way
- Center Line

SEE SHEET 11

SEE SHEET 13



		COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		OC LOOP - SEGMENT H BIKEWAY	
		TOPOGRAPHIC MAP	
		FROM: YORBA LINDA RECREATIONAL TRAIL	
		TO: SANTA ANA RIVER TRAIL	
2/18/20	EASEMENTS SHOWN ON SHEETS 4 AND 5 PER CALTRANS REQUEST FOR GRAPHICAL PURPOSES ONLY	DATE OF SURVEY: MARCH, 2019	BY: JOHNS & PARTY
		TOPOGRAPHIC MAPPING	BY: H. AFTM
5/1/19	ADDITIONAL SURVEY FROM LA PALMA AVE. TO SANTA ANA RIVER TO FAIRMONT BLVD.	OFFICE CHECK	BY: J. MORENO, PLS
		FIELD CHECK	BY: JOHNS & PARTY
REV.	DATE	ITEM	
REVISIONS			
		SCALE: 1" = 20'	W.O. #EF17409S
		FILE: OCLoop-SEGMENT H-BIKEWAY_TOPOGRAPHICMAP_2019.DWG	

SEE SHEET 14

SEE SHEET 16

75' WIDE LANDSCAPING AND RECREATION TRAIL EASEMENT AS SHOWN PER R12.
NOTE: TITLE RESEARCH WAS NOT PERFORMED BY OC SURVEY TO VALIDATE
IF EASEMENT IS INTACT.

ESPERANZA RD

ESPERANZA RD

FAIRMONT CONNECTOR

PP# 1748248E

PP# 1748249E

PP# 4503709E

PP# 4553716E

PP# 1748247E

WALL - STUCCO

SCALE 1" = 20'

GRAPHIC SCALE

U.S. Survey
Foot

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

LEGEND

SYMBOL

- Control Box Electrical
- Control Box - Unknown
- Fire Hydrant
- Gate - Single
- Grate Inlet
- Guy Anchor
- Light Pole - Concrete/1 Light
- Manhole Electrical
- Manhole Storm Drain
- Manhole Sewer
- Manhole Water
- Manhole Undefined
- Meter Water
- Meter Gas
- CATCH BASIN
- CONC. CONCRETE DRIVEWAY DWY.

SYMBOL

- Vent Pipe
- Tree
- Yard Light
- Pull Box Traffic
- Pull Box Electrical
- Post
- Sidewalk Culvert
- Traffic Signal w/ Light
- Sign Post
- Utility Pole - Wood/1 Light
- Utility Pole - Wood
- Utility Pole - Wood/Underground
- Valve Gas
- Valve Water
- BACKFLOW PREVENTION DEVICE
- GUY POLE WOOD

AREA PATTERN KEY

- Concrete
- Dirt
- Rock Rip Rap

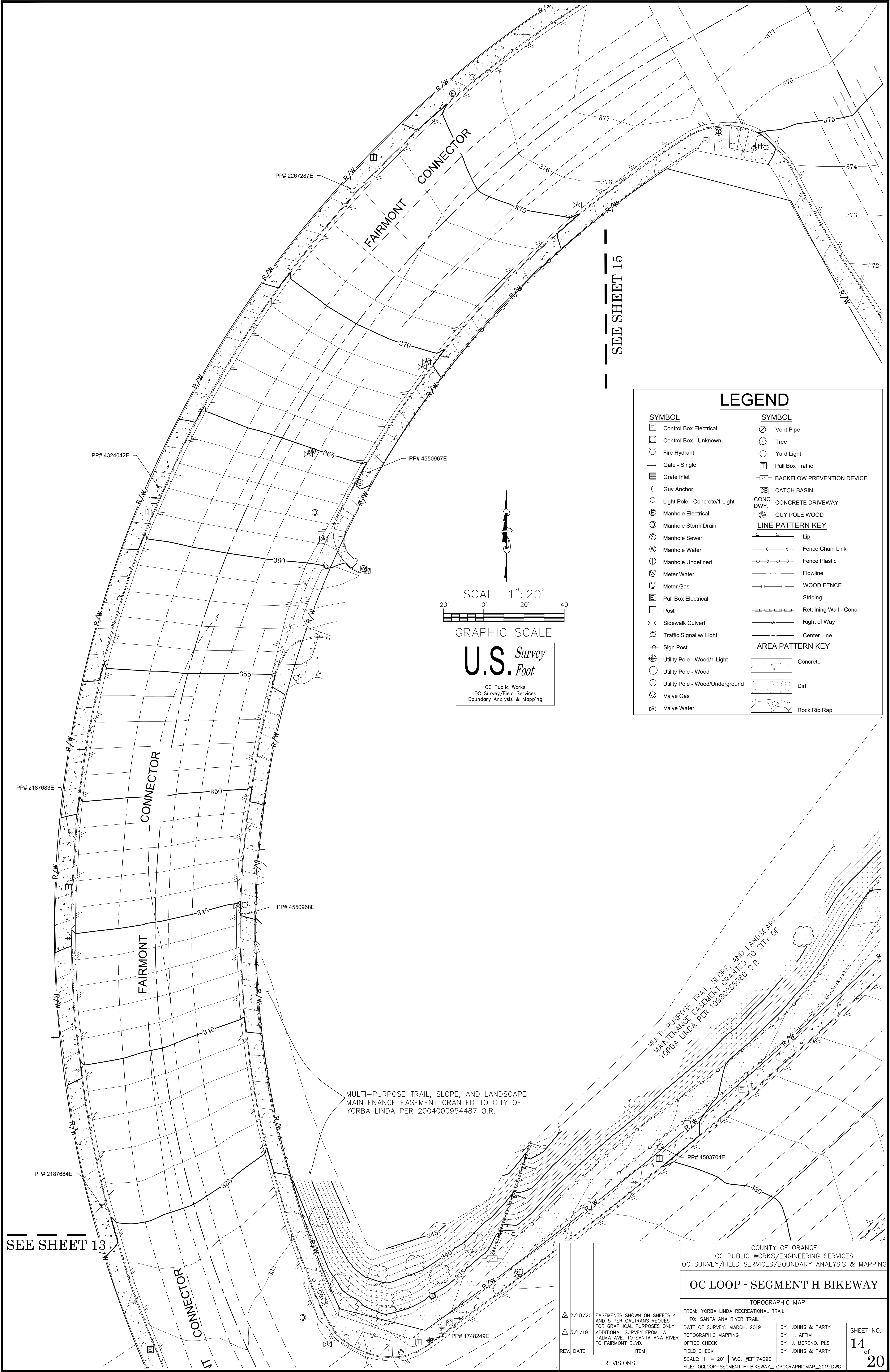
LINE PATTERN KEY

- Lip
- Fence Chain Link
- Fence Plastic
- Flowline
- Guard Rail
- Striping
- Retaining Wall - Conc.
- Right of Way
- Center Line

SEE SHEET 12

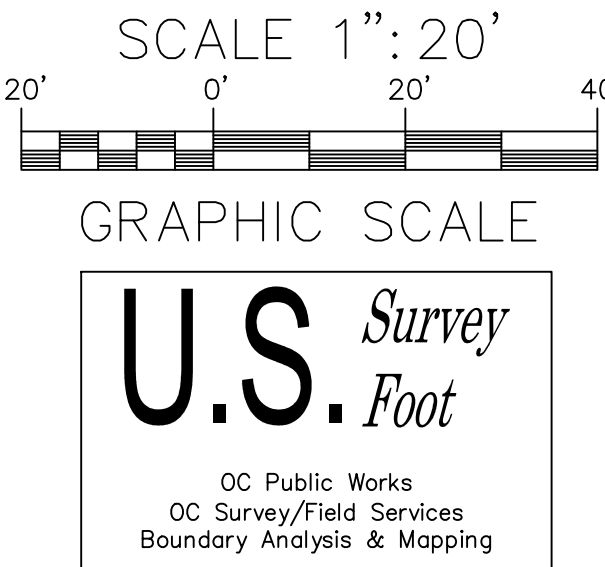
			COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			OC LOOP - SEGMENT H BIKEWAY		
			TOPOGRAPHIC MAP		
			FROM: YORBA LINDA RECREATIONAL TRAIL TO: SANTA ANA RIVER TRAIL		
Δ	2/18/20	EASEMENTS SHOWN ON SHEETS 4 AND 5 PER CALTRANS REQUEST FOR GRAPHICAL PURPOSES ONLY	DATE OF SURVEY: MARCH, 2019	BY: JOHNS & PARTY	SHEET NO. 13 of 20
Δ	5/1/19	ADDITIONAL SURVEY FROM LA PALMA AVE. TO SANTA ANA RIVER TO FAIRMONT BLVD.	TOPOGRAPHIC MAPPING	BY: H. AFTIM	
			OFFICE CHECK	BY: J. MORENO, PLS	
			FIELD CHECK	BY: JOHNS & PARTY	
			SCALE: 1" = 20'	W.O. #EF17409S	
REV. DATE		ITEM	FILE: OCL0OP-SEGMENT H-BIKEWAY_TOPOGRAPHICMAP_2019.DWG		
REVISIONS					

SHEET NO.
13
of
20



LEGEND

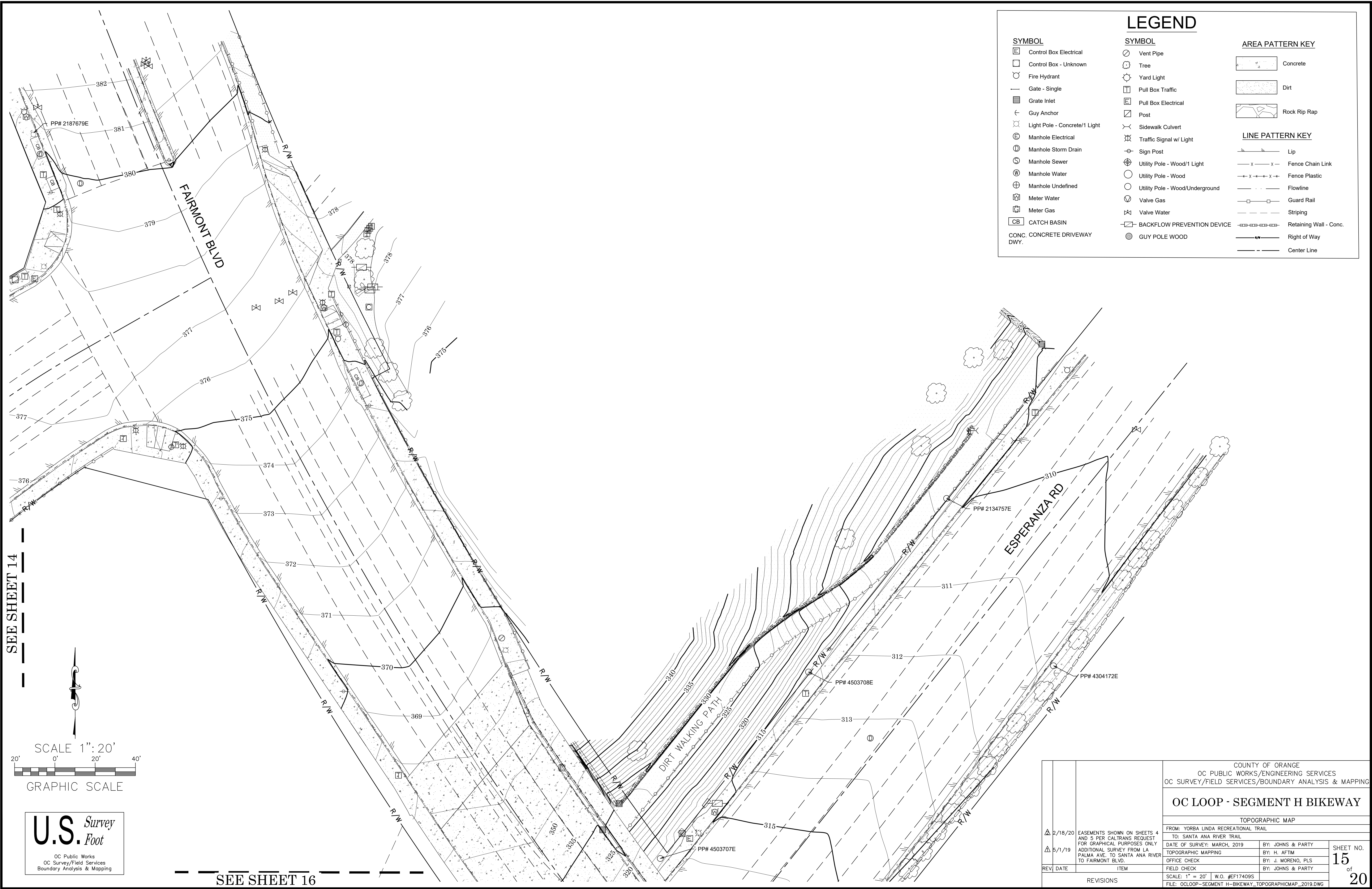
SYMBOL	SYMBOL	
Control Box Electrical	Vent Pipe	
Control Box - Unknown	Tree	
Fire Hydrant	Yard Light	
Gate - Single	Pull Box Traffic	
Grate Inlet	BACKFLOW PREVENTION DEVICE	
Guy Anchor	CATCH BASIN	
Light Pole - Concrete/1 Light	CONC. DWY.	
Manhole Electrical	GUY POLE WOOD	
Manhole Storm Drain	<th>LINE PATTERN KEY</th>	LINE PATTERN KEY
Manhole Sewer	Lip	
Manhole Water	Fence Chain Link	
Manhole Undefined	Fence Plastic	
Meter Water	Flowline	
Meter Gas	WOOD FENCE	
Pull Box Electrical	Striping	
Post	Retaining Wall - Conc.	
Sidewalk Culvert	Right of Way	
Traffic Signal w/ Light	Center Line	
Sign Post	<th>AREA PATTERN KEY</th>	AREA PATTERN KEY
Utility Pole - Wood/1 Light	Concrete	
Utility Pole - Wood	Dirt	
Utility Pole - Wood/Underground	Rock Rip Rap	
Valve Gas		
Valve Water		

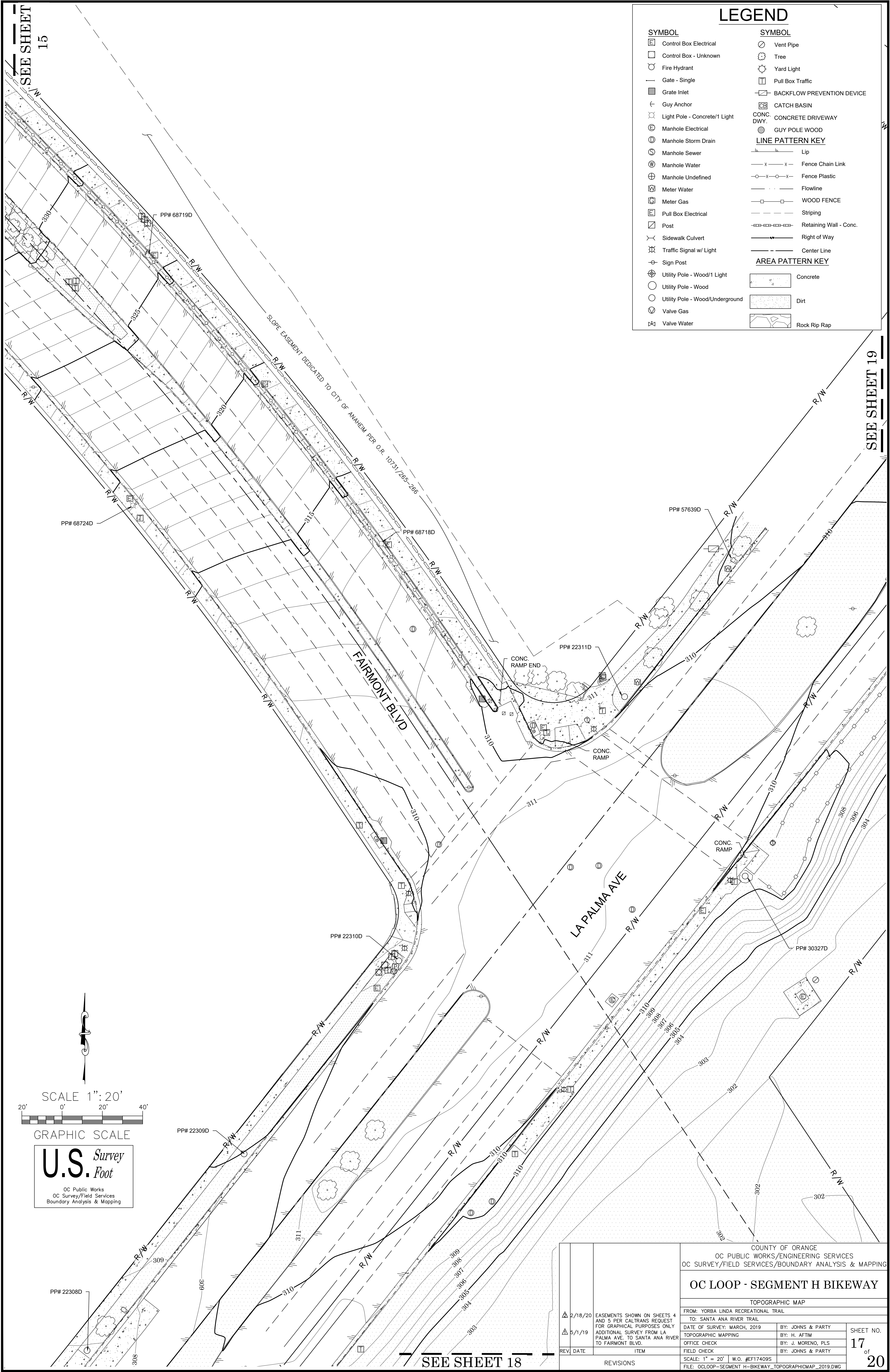


SEE SHEET 13

SEE SHEET 15

COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		OC LOOP - SEGMENT H BIKEWAY	
TOPOGRAPHIC MAP		FROM: YORBA LINDA RECREATIONAL TRAIL	
TO: SANTA ANA RIVER TRAIL		DATE OF SURVEY: MARCH, 2019	
DATE OF SURVEY: MARCH, 2019		BY: JOHNS & PARTY	
TOPOGRAPHIC MAPPING		BY: H. AFIM	
OFFICE CHECK		BY: J. MORENO, PLS	
FIELD CHECK		BY: JOHNS & PARTY	
SCALE: 1" = 20'		W.O. #EF174095	
FILE: OCLOOP-SEGMENT H-BIKEWAY_TOPOGRAPHICMAP_2019.DWG		SHEET NO. 14 of 20	
REV. DATE		ITEM	
2/18/20		EASEMENTS SHOWN ON SHEETS 4 AND 5 PER CALTRANS REQUEST FOR GRAPHICAL PURPOSES ONLY	
5/1/19		ADDITIONAL SURVEY FROM LA PALMA AVE. TO SANTA ANA RIVER TO FAIRMONT BLVD.	





LEGEND

SYMBOL

- Control Box Electrical
- Control Box - Unknown
- Fire Hydrant
- Gate - Single
- Grate Inlet
- Guy Anchor
- Light Pole - Concrete/1 Light
- Manhole Electrical
- Manhole Storm Drain
- Manhole Sewer
- Manhole Water
- Manhole Undefined
- Meter Water
- Meter Gas
- Pull Box Electrical
- Post
- Sidewalk Culvert
- Traffic Signal w/ Light
- Sign Post
- Utility Pole - Wood/1 Light
- Utility Pole - Wood
- Utility Pole - Wood/Underground
- Valve Gas
- Valve Water

SYMBOL

- Vent Pipe
- Tree
- Yard Light
- Pull Box Traffic
- BACKFLOW PREVENTION DEVICE
- CATCH BASIN
- CONC. DWY.
- GUY POLE WOOD
- LINE PATTERN KEY
- Lip
- Fence Chain Link
- Fence Plastic
- Flowline
- WOOD FENCE
- Striping
- Retaining Wall - Conc.
- Right of Way
- Center Line
- AREA PATTERN KEY
- Concrete
- Dirt
- Rock Rip Rap

SCALE 1" = 20'

GRAPHIC SCALE

U.S. Survey Foot

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

OC LOOP - SEGMENT H BIKEWAY

TOPOGRAPHIC MAP

FROM: YORBA LINDA RECREATIONAL TRAIL

TO: SANTA ANA RIVER TRAIL

DATE OF SURVEY: MARCH, 2019

TOPOGRAPHIC MAPPING

OFFICE CHECK

FIELD CHECK

SCALE: 1" = 20' W.O. #EF174095

FILE: OCLOOP-SEGMENT H-BIKEWAY_TOPOGRAPHICMAP_2019.DWG

BY: JOHNS & PARTY

BY: H. AFTIM

BY: J. MORENO, PLS

BY: JOHNS & PARTY

SHEET NO.

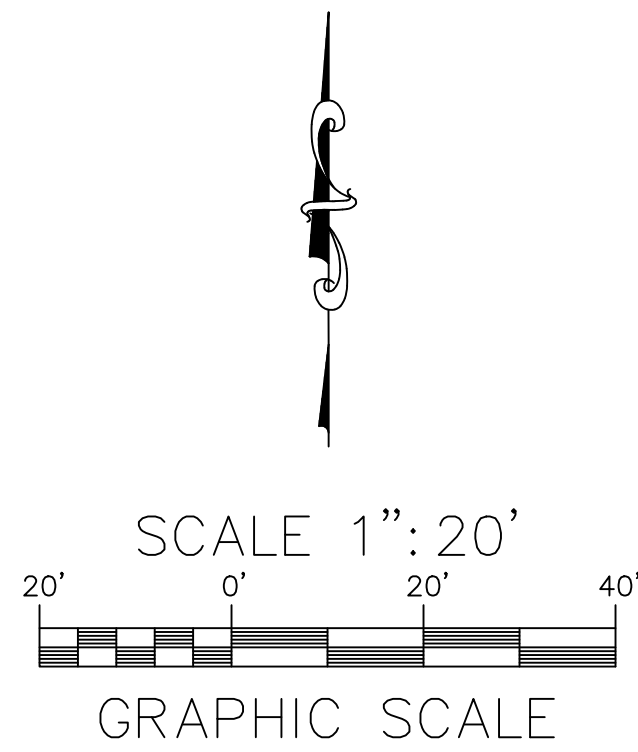
17

of

20

REVISIONS

2/18/20	EASEMENTS SHOWN ON SHEETS 4 AND 5 PER CALTRANS REQUEST FOR GRAPHICAL PURPOSES ONLY
5/1/19	ADDITIONAL SURVEY FROM LA PALMA AVE. TO SANTA ANA RIVER TO FAIRMONT BLVD.



U.S. Survey Foot

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

LEGEND

SYMBOL

- Control Box Electrical
- Control Box - Unknown
- Fire Hydrant
- Gate - Single
- Grate Inlet
- Guy Anchor
- Light Pole - Concrete/1 Light
- Manhole Electrical
- Manhole Storm Drain
- Manhole Sewer
- Manhole Water
- Manhole Undefined
- Meter Water
- Meter Gas
- CATCH BASIN

CONC. CONCRETE DRIVEWAY
DWY.

SYMBOL

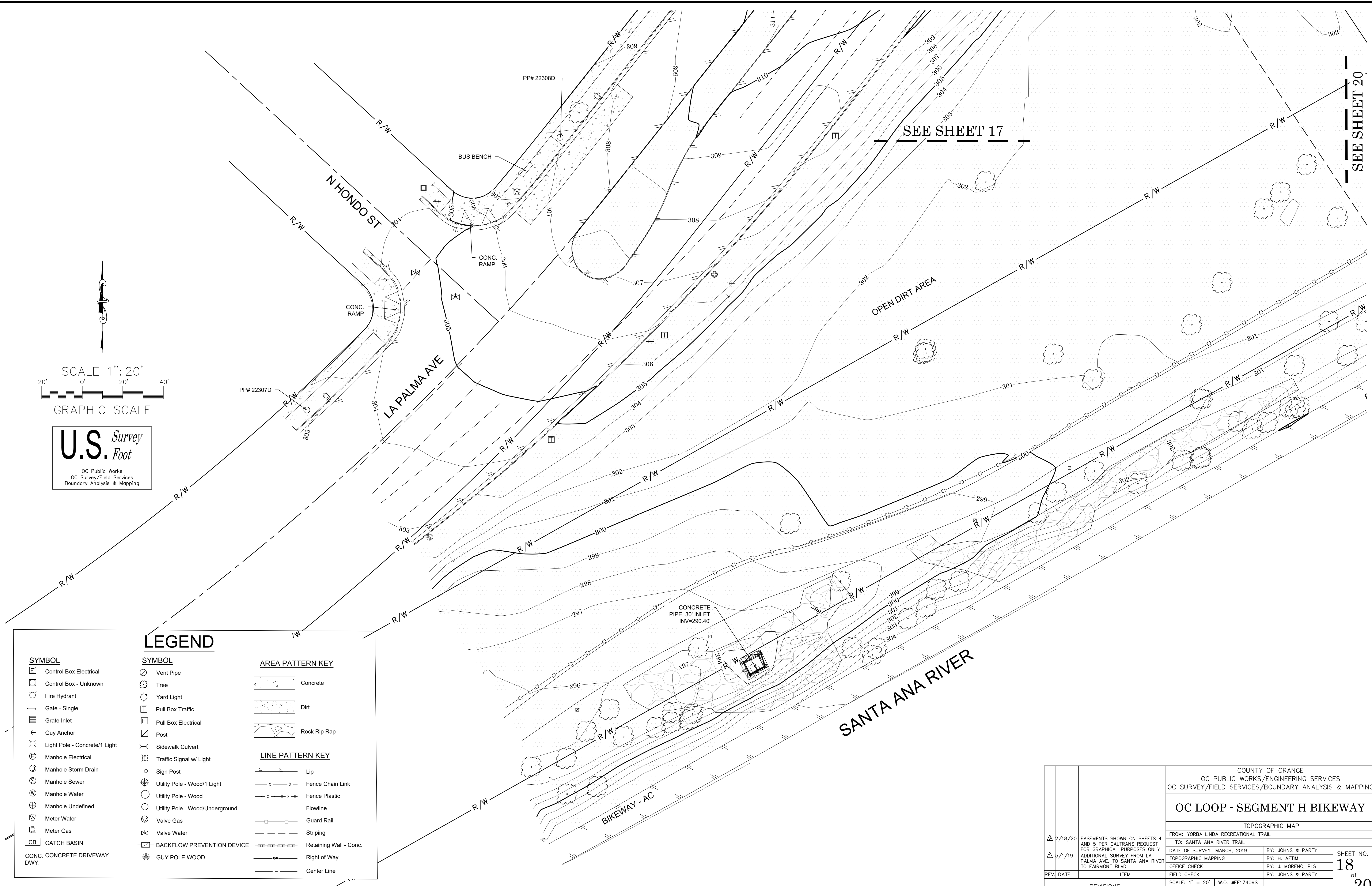
- Vent Pipe
- Tree
- Yard Light
- Pull Box Traffic
- Pull Box Electrical
- Post
- Sidewalk Culvert
- Traffic Signal w/ Light
- Sign Post
- Utility Pole - Wood/1 Light
- Utility Pole - Wood
- Utility Pole - Wood/Underground
- Valve Gas
- Valve Water
- BACKFLOW PREVENTION DEVICE
- GUY POLE WOOD

AREA PATTERN KEY

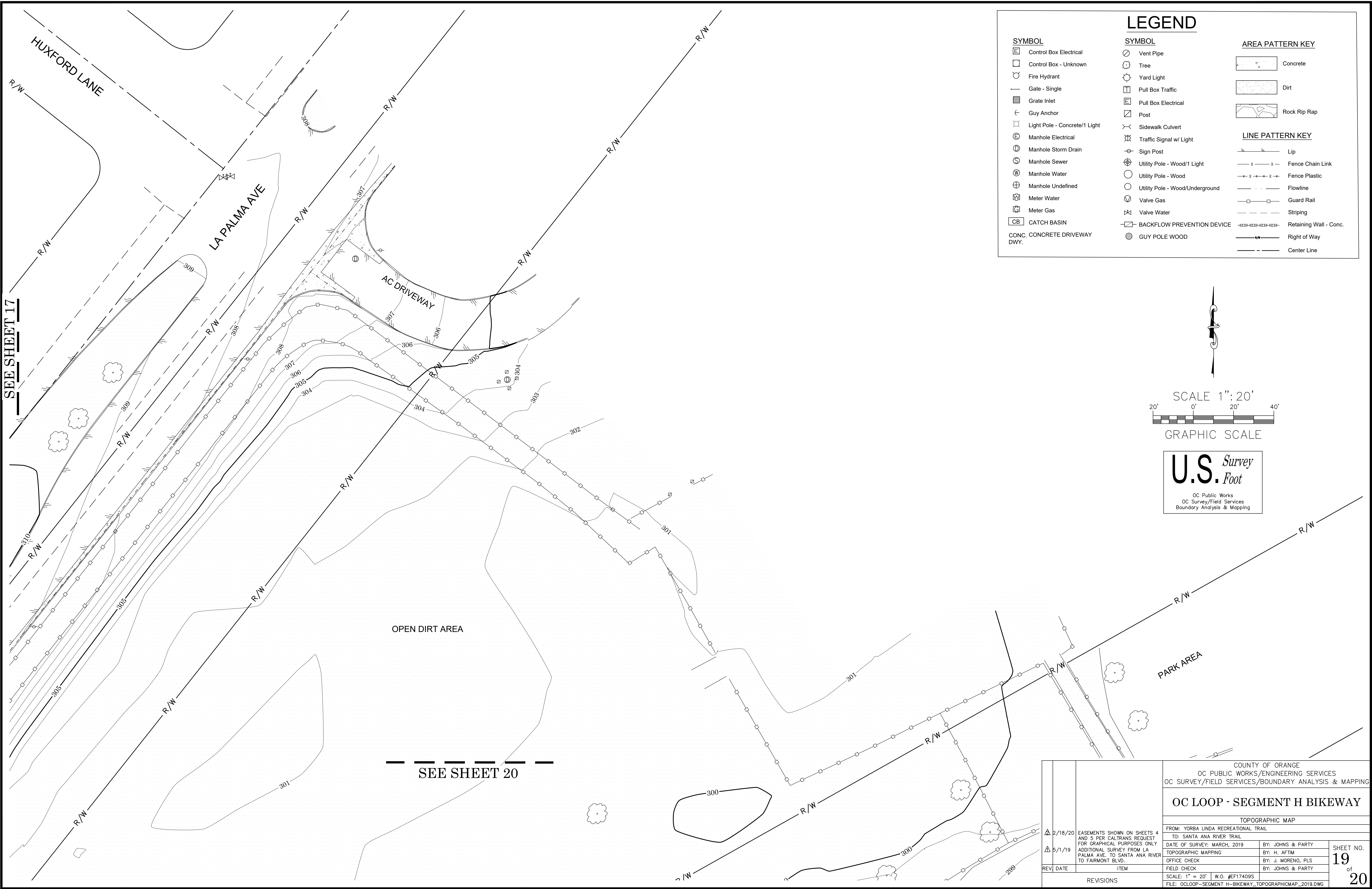
- Concrete
- Dirt
- Rock Rip Rap

LINE PATTERN KEY

- Lip
- Fence Chain Link
- Fence Plastic
- Flowline
- Guard Rail
- Striping
- Retaining Wall - Conc.
- Right of Way
- Center Line



COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
OC LOOP - SEGMENT H BIKEWAY			
TOPOGRAPHIC MAP			
FROM: YORBA LINDA RECREATIONAL TRAIL			
TO: SANTA ANA RIVER TRAIL			
DATE OF SURVEY: MARCH, 2019		BY: JOHNS & PARTY	
TOPOGRAPHIC MAPPING		BY: H. AFTIM	
OFFICE CHECK		BY: J. MORENO, PLS	
FIELD CHECK		BY: JOHNS & PARTY	
SCALE: 1" = 20'		W.O. #EF17409S	
FILE: OCLoop-SEGMENT H-BIKEWAY_TOPOGRAPHICMAP_2019.DWG			
REV.	DATE	ITEM	
REVISIONS			
EASEMENTS SHOWN ON SHEETS 4 AND 5 PER CALTRANS REQUEST FOR GRAPHICAL PURPOSES ONLY. ADDITIONAL SURVEY FROM LA PALMA AVE. TO SANTA ANA RIVER TO FAIRMONT BLVD.			
2/18/20			
5/1/19			



SYMBOL

Control Box Electrical

Control Box - Unknown

Fire Hydrant

Gate - Single

Grate Inlet

Guy Anchor

Light Pole - Concrete/1 Light

Manhole Electrical

Manhole Storm Drain

Manhole Sewer

Manhole Water

Manhole Undefined

Meter Water

Meter Gas

CATCH BASIN

CONC. CONCRETE DRIVEWAY DWY.

SYMBOL

Vent Pipe

Tree

Yard Light

Pull Box Traffic

Pull Box Electrical

Post

Sidewalk Culvert

Traffic Signal w/ Light

Sign Post

Utility Pole - Wood/1 Light

Utility Pole - Wood

Utility Pole - Wood/Underground

Valve Gas

Valve Water

BACKFLOW PREVENTION DEVICE

GUY POLE WOOD

AREA PATTERN KEY

Concrete

Dirt

Rock Rip Rap

LINE PATTERN KEY

Lip

Fence Chain Link

Fence Plastic

Flowline

Guard Rail

Striping

Retaining Wall - Conc.

Right of Way

Center Line

SCALE 1" = 20'

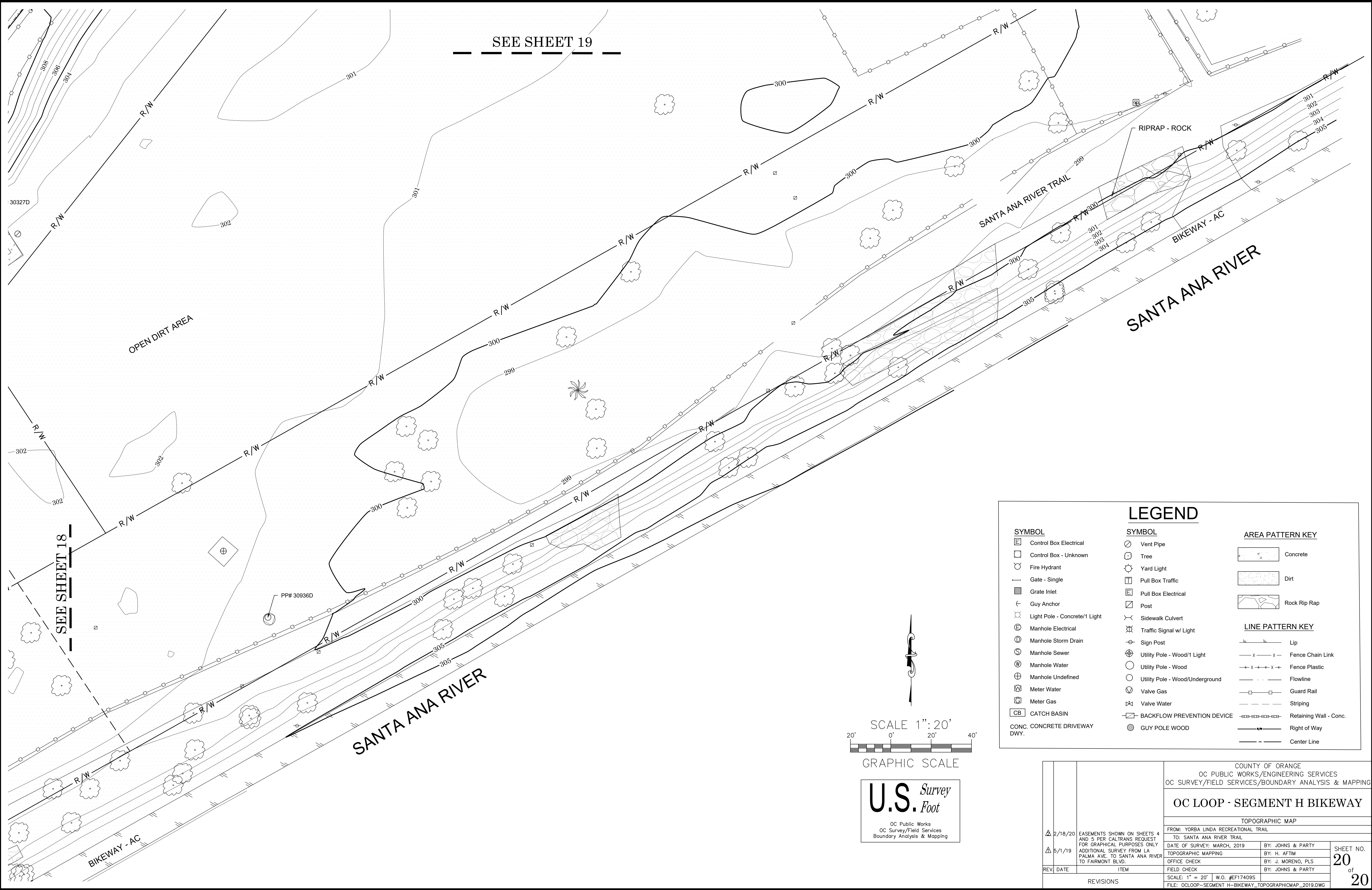
GRAPHIC SCALE

U.S. Survey

Foot

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

			COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			OC LOOP - SEGMENT H BIKEWAY		
			TOPOGRAPHIC MAP		
			FROM: YORBA LINDA RECREATIONAL TRAIL TO: SANTA ANA RIVER TRAIL		
Δ	2/18/20	EASEMENTS SHOWN ON SHEETS 4 AND 5 PER CALTRANS REQUEST FOR GRAPHICAL PURPOSES ONLY	DATE OF SURVEY: MARCH, 2019	BY: JOHNS & PARTY	SHEET NO. 19 of 20
Δ	5/1/19	ADDITIONAL SURVEY FROM LA PALMA AVE. TO SANTA ANA RIVER TO FAIRMONT BLVD.	TOPOGRAPHIC MAPPING	BY: H. AFTIM	
			OFFICE CHECK	BY: J. MORENO, PLS	
			FIELD CHECK	BY: JOHNS & PARTY	
			SCALE: 1" = 20'	W.O. #EF17409S	
REV.	DATE	ITEM	FILE: OCLOOP-SEGMENT H-BIKEWAY_TOPOGRAPHICMAP_2019.DWG		
		REVISIONS			



			COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			OC LOOP - SEGMENT H BIKEWAY			
			TOPOGRAPHIC MAP			
			FROM: YORBA LINDA RECREATIONAL TRAIL			
			TO: SANTA ANA RIVER TRAIL			
Δ	2/18/20	EASEMENTS SHOWN ON SHEETS 4 AND 5 PER CALTRANS REQUEST FOR GRAPHICAL PURPOSES ONLY	DATE OF SURVEY: MARCH, 2019	BY: JOHNS & PARTY	SHEET NO. 20 of 20	
Δ	5/1/19	ADDITIONAL SURVEY FROM LA PALMA AVE. TO SANTA ANA RIVER TO FAIRMONT BLVD.	TOPOGRAPHIC MAPPING	BY: H. AFTIM		
			OFFICE CHECK	BY: J. MORENO, PLS		
			FIELD CHECK	BY: JOHNS & PARTY		
			SCALE: 1" = 20'	W.O. #EF17409S		
REV.	DATE	ITEM	FILE: OCLoop-SEGMENT H-BIKEWAY_TOPOGRAPHICMAP_2019.DWG			
REVISIONS						