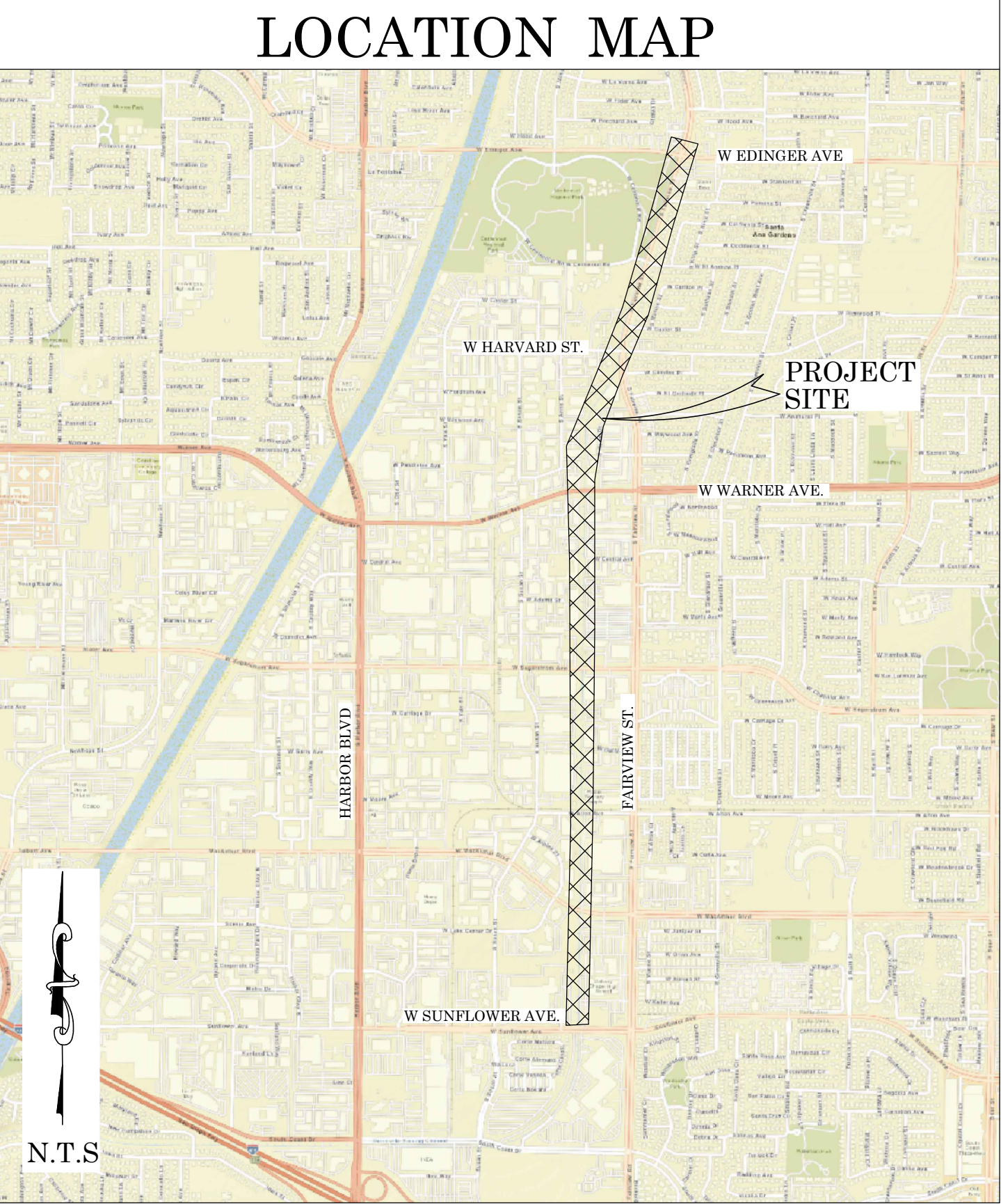




OC PUBLIC WORKS DEPARTMENT
JAMES TREADAWAY, DIRECTOR OF PUBLIC WORKS
KEVIN HILLS, COUNTY SURVEYOR
GREENVILLE BANNING CHANNEL (D03)
CHANNEL REHABILITATION



FOUND CGPS "BLSA"
N: 2239164.39'
E: 6021324.82'
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/).

FOUND CGPS "SACY"
N: 2218016.19'
E: 6061432.26'
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/).



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 STATIONS (BLSA) AND (SACY) BEING NORTH 62°11'52" WEST 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 (2017.50) EPOCH ADJUSTMENT.

ALL DISTANCES SHOWN ARE GRID, UNLESS OTHERWISE NOTED, TO OBTAIN GROUND DISTANCES MULTIPLY GRID BY A COMBINED FACTOR OF 1.00002040. THIS COMBINATION FACTOR WAS HELD AT POINT NUMBER #511 N:2208087.86', E:6056862.54', ELEVATION: 46.27'.
RECORD DISTANCES SHOWN HEREON ARE AS THEY APPEAR ON THE DOCUMENT OF RECORD. DISTANCES MAY BE EITHER GRID OR GROUND, AS PER SAID RECORD. ALL DISTANCES ARE BASED ON THE U.S. SURVEY FOOT.

VERTICAL DATUM

O.C.S. CM-28-81 ELEV. = 33.186' YEAR LEVELED: 2010
NAVD 1988 (O.C.S. 1995 ADJUSTMENT)
DESCRIPTION: DESCRIBED BY OCS 2001 - FOUND 3 3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "CM-28-81", SET IN THE NORTHWEST CORNER OF A 4' BY 9' CONCRETE CATCH BASIN. MONUMENT IS LOCATED IN THE NORTHWEST CORNER OF THE INTERSECTION OF SUNFLOWER AVENUE AND FAIRVIEW ROAD, 46' NORTHERLY OF THE PROLONGATION OF THE NORTH CURB ALONG SUNFLOWER. 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.

SHEET INDEX

SHEET	NO.	DESCRIPTION
SHEET	1	TITLE SHEET
SHEET	2-11	BOUNDARY MAP
SHEET	12-13	ALIGNMENT SHEET
SHEETS	14-31	TOPOGRAPHIC MAP

BASIS OF STATIONING

THE BASIS OF STATIONING SHOWN HEREON IS STA 334+23.76 PER RECORD PLAN D03-101-2-A DATED OCTOBER 1958 HELD AT THE CENTERLINE INTERSECTION OF THE GREENVILLE-BANNING CHANNEL (D03) AND SUNFLOWER AVENUE.
AND A STATION OF 405+03.17 PER RECORD PLAN D03-101-3 DATED SEPTEMBER 1995 HELD AT THE CENTERLINE INTERSECTION OF GREENVILLE-BANNING CHANNEL (D03) AND SUNFLOWER AVENUE.

PURPOSE OF SURVEY

THE PURPOSE OF THE SURVEY IS TO PROVIDE A TOPOGRAPHIC MAP AND RIGHT OF WAY ESTABLISHMENT FOR THIS PORTION OF THE GREENVILLE-BANNING CHANNEL (D03).

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 10 DAY OF JANUARY, 2022.

JESOM MORENO, PLS. SENIOR LAND SURVEYOR



DEPUTY COUNTY SURVEYOR'S STATEMENT:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS 10 DAY OF JANUARY, 2022.

WADE WEAVER, PLS. DEPUTY COUNTY SURVEYOR



U.S. Survey Foot

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

TOPOGRAPHIC MAPPING PROJECT

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION				
			TITLE SHEET				
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.				
			DATE OF SURVEY: 07/31/2020		BY: J. JOHNS & PARTY		SHEET NO. 1 of 31
			MAPPING		BY: H. AFTM		
			OFFICE CHECK		BY: M. KUBISTY, PLS		
			FIELD CHECK		BY: J. JOHNS & PARTY		
			SCALE: N.T.S.		FILE # 2012PW-IN0003		
			MARK	DATE	ITEM	FILE: GREENVILLE_BANNING_CHANNEL_TOPO_2020.DWG	
REVISIONS							

ESTABLISHMENT NOTES

- A** ESTABLISHED THE CENTERLINE OF SUNFLOWER AVENUE BY HOLDING A LINE BETWEEN MONUMENTS **1** AND **2**
- B** ESTABLISHED THE INTERSECTION OF GREENVILLE BANNING CHANNEL CENTERLINE AND SUNFLOWER AVENUE CENTERLINE BY HOLDING A RECORD DISTANCE SW'LY FROM MONUMENT **1** ALONG ESTABLISHMENT NOTE **A** PER (R20).
- C** ESTABLISHED THE CENTERLINE OF ALTON AVENUE BY HOLDING A LINE BETWEEN MONUMENTS **12** AND **13**
- D** ESTABLISHED ANGLE POINT CENTERLINE OF ALTON AVENUE BY HOLDING A RECORD DISTANCE ALONG THE SE'LY PROLONGATION OF LINE ESTABLISHMENT **C** SE'LY FROM MONUMENT **12** PER (R10).
- E** ESTABLISHED THE CENTERLINE OF ALTON AVENUE BY HOLDING A LINE BETWEEN MONUMENTS **9** AND ESTABLISHMENT NOTE **D**
- F** ESTABLISHED THE CENTERLINE INTERSECTION OF GREENVILLE BANNING CHANNEL AND ALTON AVENUE BY HOLDING A RECORD DISTANCE OF 1825.18' PER (R20 & R21) NW'LY FROM MONUMENT **9** ALONG THE W'LY PROLONGATION OF LINE ESTABLISHMENT NOTE **E**
- G** ESTABLISHED THE CENTERLINE OF GREENVILLE BANNING CHANNEL BY HOLDING A RECORD DATA AND CALLS BETWEEN ESTABLISHMENT NOTES AND **B** PER (R20).
- H** ESTABLISHED THE CENTERLINE OF WARNER AVENUE BY HOLDING A LINE BETWEEN MONUMENTS **18** AND **19**
- I** ESTABLISHED THE CENTERLINE OF WARNER AVENUE BY HOLDING A RECORD DISTANCE OF 1868.81' PER (R27) ALONG THE SW'LY PROLONGATION OF LINE ESTABLISHMENT **H** SW'LY FROM MONUMENT **18**
- J** ESTABLISHED THE CENTERLINE OF WARNER AVENUE BY HOLDING RECORD CURVATURE INFORMATION PER (R29) BETWEEN W'LY TERMINUS OF ESTABLISHMENT NOTE **J** AND MONUMENT **20**
- K** ESTABLISHED THE INTERSECTION OF GREENVILLE BANNING CHANNEL CENTERLINE AND WARNER AVENUE CENTERLINE BY HOLDING A RECORD DISTANCE OF 1825.49' PER (R21) SW'LY FROM MONUMENT **18** ALONG ESTABLISHMENT NOTES **H** AND **I**
- L** ESTABLISHED THE CENTERLINE OF GREENVILLE BANNING CHANNEL PER (R21) BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTES **K** AND **F**
- M** ESTABLISHED THE CENTERLINE OF HARVARD STREET BY HOLDING A LINE BETWEEN MONUMENTS **21** AND **28**
- N** ESTABLISHED THE CENTERLINE INTERSECTION OF FAIRVIEW STREET. AND HARVARD STREET BY HOLDING RECORD DISTANCE 0.25' SE'LY FROM A POINT PERPENDICULAR TO MONUMENT **22** ALONG LINE ESTABLISHMENT **M** PER (R12).
- O** ESTABLISHED THE INTERSECTION OF GREENVILLE BANNING CHANNEL CENTERLINE AND HARVARD STREET CENTERLINE BY HOLDING A RECORD DISTANCE OF 30.25' PER (R22) NW'LY FROM MONUMENT NOTE **23** ALONG ESTABLISHMENT NOTE **M**
- P** ESTABLISHED THE CENTERLINE OF GREENVILLE BANNING CHANNEL BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION PER (R22) BETWEEN ESTABLISHMENT NOTES **O** AND **K**
- Q** ESTABLISHED THE CENTERLINE OF FAIRVIEW STREET. BY HOLDING A LINE PARALLEL WITH ESTABLISHMENT NOTE **AS** NE'LY FROM ESTABLISHMENT NOTE **N** PER (R17).
- R** ESTABLISHED THE N'LY RIGHT OF WAY OF SUNFLOWER AVENUE BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **A** PER (R50).
- S** ESTABLISHED THE S'LY RIGHT OF WAY OF SUNFLOWER AVENUE BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **A** PER (R48).
- T** ESTABLISHED THE S'LY RIGHT OF WAY OF SUNFLOWER AVENUE BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **A** PER (R2).
- U** ESTABLISHED THE S'LY RIGHT OF WAY OF SUNFLOWER AVENUE BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **A** PER (R47).
- V** ESTABLISHED THE N'LY RIGHT OF WAY OF SUNFLOWER AVENUE BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **A** PER (R49).
- W** ESTABLISHED THE E'LY RIGHT OF WAY OF OF GREENVILLE BANNING CHANNEL BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **C** PER (R20).
- X** ESTABLISHED THE W'LY RIGHT OF WAY OF OF GREENVILLE BANNING CHANNEL BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **C** PER (R20).
- Y** ESTABLISHED THE CENTERLINE OF MACARTHUR BOULEVARD BY HOLDING RECORD ANGLE, DISTANCE, AND CURVATURE INFORMATION PER (R5) BETWEEN MONUMENTS **3**, **4**, **5**, **6** AND **8**
- Z** ESTABLISHED THE S'LY RIGHT OF WAY OF MACARTHUR BOULEVARD BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **Y** PER (R2).
- AA** ESTABLISHED THE N'LY RIGHT OF WAY OF MACARTHUR BOULEVARD BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **Y** PER (R6).
- AB** ESTABLISHED THE S'LY RIGHT OF WAY OF ALTON AVENUE BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT NOTE **E** PER (R52).
- AC** ESTABLISHED THE S'LY RIGHT OF WAY OF ALTON AVENUE BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **C** PER (R53).
- AD** ESTABLISHED THE N'LY RIGHT OF WAY OF ALTON AVENUE BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **C** PER (R10).

ESTABLISHMENT NOTES

- AF** ESTABLISHED THE S'LY RIGHT OF WAY OF ALTON AVENUE BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **E** PER (R9).
- AG** ESTABLISHED THE CENTERLINE OF SEGERSTROM AVENUE BY HOLDING A LINE BETWEEN MONUMENTS **14** AND **17**
- AH** ESTABLISHED THE S'LY RIGHT OF WAY OF SEGERSTROM AVENUE BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **AG** PER (R34).
- AI** ESTABLISHED THE S'LY RIGHT OF WAY OF SEGERSTROM AVENUE BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **AG** PER (R54).
- AJ** ESTABLISHED THE N'LY RIGHT OF WAY OF SEGERSTROM AVENUE BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **AG** PER (R54).
- AK** ESTABLISHED THE N'LY RIGHT OF WAY OF WARNER AVENUE BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **J** PER (R55).
- AL** ESTABLISHED THE S'LY RIGHT OF WAY OF WARNER AVENUE BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **J** PER (R55).
- AM** ESTABLISHED THE N'LY RIGHT OF WAY OF WARNER AVENUE BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **I** PER (R56).
- AN** ESTABLISHED THE S'LY RIGHT OF WAY OF WARNER AVENUE BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **I** PER (R56).
- AO** ESTABLISHED THE E'LY RIGHT OF WAY OF GREENVILLE BANNING CHANNEL BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **P** PER (R22).
- AP** ESTABLISHED THE W'LY RIGHT OF WAY OF GREENVILLE BANNING CHANNEL BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **P** PER (R22).
- AQ** ESTABLISHED THE N'LY RIGHT OF WAY OF HARVARD STREET BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **M** PER (R16).
- AR** ESTABLISHED THE S'LY RIGHT OF WAY OF HARVARD STREET BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **M** PER (R12).
- AS** ESTABLISHED THE W'LY RIGHT OF WAY OF GREENVILLE BANNING CHANNEL BY HOLDING A LINE BETWEEN MONUMENT **24** AND **43**
- AT** ESTABLISHED THE E'LY RIGHT OF WAY OF GREENVILLE BANNING CHANNEL PER (R17) BY HOLDING A LINE PARALLEL WITH ESTABLISHMENT NOTE **AS** NE'LY FROM MONUMENT **23**
- AU** ESTABLISHED THE W'LY RIGHT OF WAY OF FAIRVIEW STREET AND THE E'LY RIGHT OF WAY OF GREENVILLE BANNING CHANNEL PER (R68 & R17) BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT NOTE **O**
- AV** ESTABLISHED THE W'LY BOUNDARY LINE OF (R65) BY HOLDING A LINE BETWEEN MONUMENT **43** AND ESTABLISHMENT NOTE **BW** PER (R65).
- AW** ESTABLISHED THE CENTERLINE OF FAIRVIEW STREET AND THE S'LY LINE OF LOT 17 OF (R12) BY LEAST SQUARES ADJUSTMENT BETWEEN ESTABLISHMENT NOTE **N** AND MONUMENT **39**
- AX** ESTABLISHED THE ANGLE POINT OF THE E'LY RIGHT OF WAY OF GREENVILLE BANNING CHANNEL BY HOLDING A RECORD DISTANCE PER (R17) NE'LY FROM MONUMENT **23** AND PARALLEL WITH ESTABLISHMENT NOTE **AS** PER (R17).
- AY** ESTABLISHED THE E'LY RIGHT OF WAY OF GREENVILLE BANNING CHANNEL BY HOLDING A RECORD ANGLES PER (R17) SE'LY FROM ESTABLISHMENT NOTE **AX**
- AZ** ESTABLISHED THE INTERSECTION BETWEEN THE SE'LY LINE OF TRACT NO 2511 DESORIBED IN (R17) AND THE CENTERLINE OF FAIRVIEW STREET BY INTERSECTION BETWEEN THE E'LY PROLONGATION OF LINE ESTABLISHMENT **AY** AND THE CENTERLINE OF FAIRVIEW STREET ESTABLISHEMENT NOTE **C** PER (R17).
- BA** ESTABLISHED THE N'LY OF LOT A PER (R17) BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT NOTE **BU** PER (R17).
- BB** ESTABLISHED THE NW'LY CORNER OF (R65) BY INTERSECTION BETWEEN ESTABLISHMENT NOTE **BA** AND THE PROLONGATION OF ESTABLISHMENT NOTE **AV** PER (R65).
- BC** ESTABLISHED THE NE'LY OF LOT A PER (R17) BY HOLDING A CURVE TANGENT TO ESTABLISHMENT NOTES **BA** AND **AD** AND RECORD RADUIS OF 30' PER (R17).
- BD** FOUND WELL MONUMENT PER (R45) INACCESSIBLE DUE TO TRAFFIC CONDITIONS ESTABLISHED ANGLE POINT IN THE CENTERLINE OF EDINGER AVENUE BY TIES PER (R45) FROM MONUMENTS **31**, **32**, **33**, AND **34**
- BE** FOUND WELL MONUMENT PER (R46) INACCESSIBLE DUE TO TRAFFIC CONDITIONS ESTABLISHED ANGLE POINT CENTERLINE OF EDINGER AVENUE BY TIES PER (R46) FROM MONUMENTS **35**, **36**, **37**, AND **38**
- BF** ESTABLISHED THE CENTERLINE OF FAIRVIEW STREET. BY HOLDING A LINE BETWEEN MONUMENTS **30** AND **28** PER (R17).
- BG** ESTABLISHED THE CENTERLINE TANGENT OF EDINGER STREET BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTES **BE** AND **BD** PER (R15).
- BH** S.F.N. ESTABLISHED THE CENTERLINE INTERSECTION OF EDINGER STREET AND FAIRVIEW STREET BY INTERSECTION BETWEEN THE NE'LY PROLONGATION OF LINE ESTABLISHMENT **BF** AND ESTABLISHMENT NOTE **BD**
- BI** ESTABLISHED THE N'LY RIGHT OF WAY OF MACARTHUR BOULEVARD BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT **Y** PER (R7).

ESTABLISHMENT NOTES

- BJ** ESTABLISHED THE CENTERLINE INTERSECTION OF FAIRVIEW STREET AND THE S'LY LINE OF LOT 17 OF (R12) BY LEAST SQUARES ADJUSTMENT BETWEEN ESTABLISHMENT NOTE **N** AND MONUMENT **39**
- BK** ESTABLISHED THE CENTERLINE OF FAIRVIEW STREET BY HOLDING A CURVE TANGENT TO ESTABLISHMENT NOTES **BF** AND **C** AND RECORD RADUIS OF 727' PER (R14).
- BL** ESTABLISHED THE OLD W'LY CENTERLINE OF EDINGER STREET BY HOLDING A CURVE TANGENT TO ESTABLISHMENT NOTES **BC** AND **BS** AND RECORD RADUIS OF 1000' PER (R15).
- BM** ESTABLISHED THE E'LY LINE OF PARCEL 802.1, PER (R64) AS SHOWN ON (R12). BY HOLDING RECORD ANGLES, DISTANCES & CURVATURE INFORMATION PER (R12) BETWEEN MONUMENTS **23** AND **39**
- BN** ESTABLISHED THE W'LY LINE OF PARCEL 802.1, PER (R64) AS SHOWN ON (R12). BY HOLDING RECORD ANGLES, DISTANCES & CURVATURE INFORMATION PER (R12) BETWEEN MONUMENTS **39** AND **24**
- BS** ESTABLISHED THE CENTERLINE OF EDINGER AVENUE BY HOLDING A LINE BETWEEN MONUMENT **44** AND ESTABLISHMENT NOTE **BE**
- BT** ESTABLISHED THE OLD ANGLE POINT OF EDINGER AVENUE BY HOLDING A RECORD DISTANCE ALONG THE SE'LY PROLONGATION OF LINE ESTABLISHMENT **BE** SE'LY FROM ESTABLISHMENT NOTE **BE** PER (R16).
- BU** ESTABLISHED THE OLD CENTERLINE TANGENT OF EDINGER AVENUE BY HOLDING RECORD ANGLES AND DISTANCES PER (R15) BETWEEN ESTABLISHMENT NOTES **BT** AND **BD**
- BV** ESTABLISHED THE S'LY RIGHT OF WAY OF THE OLD CENTERLINE OF EDINGER AVENUE BY HOLDING RECORD DIMENSIONS PARALLEL WITH ESTABLISHMENT NOTE **BU** PER (R65).
- BW** ESTABLISHED THE NW'LY CORNER OF (R65) BY HOLDING A LINE MEASURED ALONG THE OLD S'LY RIGHT OF WAY LINE OF EDINGER AVENUE PER ESTABLISHMENT NOTE **BU** A RECORD DISTANCE OF 33.49' SE'LY FROM THE ANGLE POINT ALONG ESTABLISHMENT NOTE **BU** PER (R65).

MONUMENT NOTES

- 1** FOUND HEX BAR IN O.C.S WELL MONUMENT, PER (R2), DOWN 2.5', ACCEPTED AS THE CENTERLINE INTERSECTION OF SUNFLOWER AVENUE AND FAIRVIEW STREET.
- 2** FOUND HEX BAR IN WELL MONUMENT, PER (R4), DOWN 1.6' IN O.C.S. WELL MONUMENT, ACCEPTED AS A CENTERLINE INTERSECTION OF SUNFLOWER AVENUE AND HARBOR BOULEVARD.
- 3** FOUND 3" PUNCHED BRASS DISK STAMPED "OCS". PER (R5), DOWN 1.5' IN O.C.S. WELL MONUMENT, ACCEPTED AS A CENTERLINE INTERSECTION OF MACARTHUR BOULEVARD AND FAIRVIEW STREET.
- 4** FOUND 3" PUNCHED BRASS DISK STAMPED "OCS", PER (R5), DOWN 1.5' IN O.C.S. WELL MONUMENT, ACCEPTED AS A CENTERLINE BC OF MACARTHUR BOULEVARD.
- 5** FOUND SPIKE AND WASHER, ILLEGIBLE, PER (R6), DOWN 0.5' IN DIRT, ACCEPTED AS CENTERLINE INTERSECTION OF MACARTHUR BOULEVARD AND E'LY RIGHT OF WAY OF THE GREENVILLE BANNING CHANNEL.
- 6** FOUND 3/4" IRON PIPE, NO REFERENCE, DOWN 0.5' IN AC, ACCEPTED AS CENTERLINE INTERSECTION OF MACARTHUR BOULEVARD AND W'LY GREENVILLE BANNING CHANNEL RIGHT OF WAY.
- 7** FOUND BOAT SPIKE AND 1 1/2" WASHER STAMPED "CITY OF SANTA ANA SURV DIV", PER (R7), FLUSH IN AC, N72°10'21"E 0.06' FROM CENTERLINE INTERSECTION OF MACARTHUR BOULEVARD AND ALPINE STREET
- 8** FOUND 3" PUNCHED BRASS DISK, PER (R5), DOWN 1.5' IN O.C.S. WELL MONUMENT, ACCEPTED AS A CENTERLINE BC OF MACARTHUR BOULEVARD
- 9** FOUND GEAR SPIKE AND 1 1/2" WASHER STAMPED "LS6654", PER (R8), FLUSH IN AC, ACCEPTED AS A CENTERLINE INTERSECTION OF ALTON AVENUE AND GREENVILLE STREET
- 10** FOUND 3" PUNCHED BRASS DISK STAMPED "OCS". PER (R5), DOWN 1' IN O.C.S. WELL MONUMENT, ACCEPTED AS A CENTERLINE INTERSECTION OF ALTON AVENUE AND FAIRVIEW STREET
- 11** FOUND BOAT SPIKE AND 1 1/4" WASHER STAMPED "LS3246", PER (R9), FLUSH IN AC, S73°08'16"E 0.12" FROM INTERSECTION OF ALTON AVENUE CENTERLINE AND E'LY GREENVILLE BANNING CHANNEL RIGHT OF WAY.
- 12** FOUND PUNCHED HEX BAR, PER (R10), DOWN 1.25" IN O.C.S. WELL MONUMENT, ACCEPTED AS A POINT ON CENTERLINE OF ALTON AVENUE S89°59'16"W 0.29' FROM CENTERLINE INTERSECTION OF ALTON AVENUE AND W'LY GREENVILLE BANNING CHANNEL RIGHT OF WAY.
- 13** FOUND PUNCHED SPIKE, PER (R10), FLUSH IN AC, ACCEPTED AS A CENTERLINE INTERSECTION OF ALTON AVENUE AND SUSAN STREET
- 14** FOUND GEAR SPIKE AND 1 1/2" WASHER STAMPED "SANTA ANA SURVEY", PER (R31), FLUSH IN AC, ACCEPTED AS A CENTERLINE INTERSECTION OF SEGERSTROM AVENUE AND GREENVILLE STREET
- 15** FOUND 3" PUNCHED BRASS DISK, PER (R3), DOWN 1.5' IN O.C.S. WELL MONUMENT, 0.15' N64°57'12"W FROM INTERSECTION OF SEGERSTROM AVENUE AND FAIRVIEW STREET
- 16** FOUND HEX BAR, PER (R35), DOWN 1.5' IN O.C.S. WELL MONUMENT, S56°27'24"E 0.07' FROM CENTERLINE INTERSECTION OF SEGERSTROM AVENUE AND SUSAN STREET
- 17** FOUND HEX BAR, PER (R36), DOWN 1.5' IN O.C.S. WELL MONUMENT, ACCEPTED AS A CENTERLINE INTERSECTION OF SEGERSTROM AVENUE AND HARBOR BOULEVARD
- 18** FOUND 3" PUNCHED BRASS DISK, PER (R38), DOWN 1.5' IN O.C.S. WELL MONUMENT, ACCEPTED AS A POINT OF INTERSECTION OF GREENVILLE STREET AND WARNER AVENUE
- 19** FOUND HEX BAR, PER (R39), DOWN 1.4' IN O.C.S. WELL MONUMENT, ACCEPTED AS A CENTERLINE INTERSECTION OF WARNER AVENUE AND FAIRVIEW STREET
- 20** FOUND GEAR SPIKE AND 1 1/2" WASHER STAMPED "SANTA ANA SURVEY", PER (R29), FLUSH IN AC, ACCEPTED AS CENTERLINE INTERSECTION OF WARNER AVENUE AND ANNE STREET
- 21** FOUND CHISEL "X" IN 3" BRASS DISK, PER (R27), DOWN 2' IN O.C.S. WELL MONUMENT, ACCEPTED AS A POINT OF INTERSECTION OF GREENVILLE STREET AND HARVARD STREET
- 22** FOUND CHISEL "X" IN 3" BRASS DISK, PER (R27), DOWN 1.8' IN O.C.S. WELL MONUMENT, N72°14'29"W 0.26' FROM INTERSECTION OF FAIRVIEW STREET AND HARVARD STREET
- 23** FOUND GEAR SPIKE AND 1 1/2" WASHER STAMPED "LS5411", PER (R40), FLUSH IN AC, ACCEPTED AS THE SOUTHEAST CORNER OF LOT 3 OF (R13) AS SHOWN ON (R12).
- 24** FOUND GEAR SPIKE AND 1 1/2" WASHER STAMPED "LS5411", PER (R40), FLUSH IN AC, ACCEPTED AS A NW'LY CORNER OF PARCEL 802.1, PER (R64) AS SHOWN ON (R12).
- 25** FOUND GEAR SPIKE AND 1 1/2" WASHER STAMPED "LS5411", PER (R41), FLUSH IN AC, ACCEPTED AS CENTERLINE INTERSECTION OF HARVARD STREET AND SUSAN STREET

MONUMENT NOTES

- 26** FOUND GEAR SPIKE AND 1 1/2" WASHER STAMPED "LS5411", PER (R42), FLUSH IN AC, ACCEPTED AS CENTERLINE INTERSECTION OF HARVARD STREET AND YALE STREET
- 27** FOUND BOAT SPIKE AND 1 1/4" WASHER STAMPED "SANTA ANA SURVEY", PER SANTA ANA TIE NOTES 5/28, DOWN 0.5' IN AC, S01°03'59"W 2.40' FROM THE CENTERLINE EC OF FAIRVIEW STREET.
- 28** FOUND SQUARE HEAD SPIKE AND 1 1/4" WASHER STAMPED "ORANGE COUNTY SURVEYOR", PER (R43), FLUSH IN AC, ACCEPTED AS CENTERLINE INTERSECTION OF FAIRVIEW STREET AND CASTOR STREET
- 29** FOUND ROUND HEAD SPIKE, PER (R17), DOWN 0.5' IN AC, S72°37'22"E 0.05' FROM CENTERLINE INTERSECTION OF FAIRVIEW STREET AND ST ANDREW STREET
- 30** FOUND ROUND HEAD SPIKE, PER (R44), DOWN 0.5' IN AC, ACCEPTED AS CENTERLINE INTERSECTION OF FAIRVIEW STREET AND POMONA STREET
- 31** FOUND LEAD, TACK AND TAG FLUSH IN CONCRETE CURB, ACCEPTED AS TIE PER (R45)
- 32** FOUND LEAD, TACK AND TAG STAMPED "SANTA ANA SURVEY" FLUSH IN CONCRETE CURB, ACCEPTED AS TIE PER (R45)
- 33** FOUND LEAD, TACK AND TAG STAMPED "SANTA ANA SURVEY" FLUSH IN CONCRETE CURB, ACCEPTED AS TIE PER (R45)
- 34** FOUND LEAD, TACK AND TAG STAMPED "SANTA ANA SURVEY" FLUSH IN CONCRETE CURB, ACCEPTED AS TIE PER (R45)
- 35** FOUND LEAD, TACK AND TAG STAMPED "SANTA ANA SURVEY" FLUSH IN CONCRETE CURB, ACCEPTED AS TIE PER (R46)
- 36** FOUND LEAD, TACK AND TAG STAMPED "OCS TIE" FLUSH IN CONCRETE CURB, ACCEPTED AS TIE PER (R46)
- 37** FOUND LEAD, TACK AND TAG STAMPED "SANTA ANA SURVEY" FLUSH IN CONCRETE CURB, ACCEPTED AS TIE PER (R46)
- 38** FOUND LEAD, TACK AND TAG STAMPED "SANTA ANA SURVEY" FLUSH IN CONCRETE CURB, ACCEPTED AS TIE PER (R46)
- 39** FOUND 2" IRON PIPE, NAIL AND WASHER STAMPED "O.C.S", PER (R12), DOWN 0.1' IN DIRT, ACCEPTED AS A SW'LY CORNER OF PARCEL 802.1, PER (R64) AS SHOWN ON (R12).
- 40** FOUND 2.5" IRON PIPE, BRASS DISK STAMPED "OCFOZ R/W", PER (R57), DOWN 0.25' IN DIRT, N80°04'26"W 0.69' FROM SW'LY CORNER OF PARCEL 802.1, PER (R64) AS SHOWN ON (R12).
- 41** FOUND 1" IRON PIPE, TACK AND TAG STAMPED "RCE 31570", PER (R57), DOWN 0.50' IN DIRT, N68°48'44"E 2.48' FROM INTERSECTION OF S'LY RIGHT OF WAY OF HARVARD STREET AND THE W'LY LINE OF PARCEL 802.1, PER (R64) AS SHOWN ON (R12).
- 42** FOUND 2" IRON PIPE, NAIL AND WASHER STAMPED "O.C.S", PER (R12), DOWN 0.1' IN DIRT, ACCEPTED AS THE INTERSECTION OF S'LY RIGHT OF WAY OF HARVARD STREET AND THE W'LY LINE OF PARCEL 802.1, PER (R64) AS SHOWN ON (R12).
- 43** FOUND 2" IRON PIPE, NAIL AND WASHER WITH ILLEGIBLE TAG , PER (R12), DOWN 0.8' IN DIRT, S88°37'23"E 0.71' FROM THE INTERSECTION OF THE W'LY RIGHT OF WAY OF FAIRVIEW STREET AND THE E'LY LINE OF PARCEL 802.1, PER (R64) AS SHOWN ON (R12).
- 44** FOUND 2" PUNCHED BRASS DISK STAMPED "OCS", PER (R66), DOWN 1.0' IN O.C.S. WELL MONUMENT, ACCEPTED AS A CENTERLINE INTERSECTION OF EDINGER AVENUE AND HARBOR BOULEVARD.
- 45** FOUND 1" IRON PIPE, TACK AND TAG STAMPED "RE 9808", PER (R65), DOWN 1.50' IN DIRT, ACCEPTED AS AN ANGLE POINT ON THE W'LY RIGHT OF WAY OF GREENVILLE BANNING CHANNEL, PER (65).

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION			
			BOUNDARY MAP			
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE.			
			TO DOWNSTREAM OF EDINGER AVE.			
			DATE OF SURVEY: 07/31/2020	BY: J. JOHNS & PARTY	SHEET NO. 2 of 31	
			MAPPING	BY: H. AFTM		
			OFFICE CHECK	BY: M. KUBISTY, PLS		
			FIELD CHECK	BY: J. JOHNS & PARTY		
MARK	DATE	ITEM	SCALE: NTS	W.O. #EF21242	FILE #2012PW-IN0003	
REVISIONS			FILE: GREENVILLE BANNING CHANNEL_BOUNDARY_2020.DWG			

CURVE TABLE						
CURVE #	DELTA	RADIUS	LENGTH	RECORD DELTA	RECORD RADIUS	RECORD LENGTH
C1	10°08'37"	1009.86'	178.78'	(10°08'16" R27)	(1009.88' R27)	(178.68' R27)
C2	38°52'29"	799.98'	542.78'	(38°52'28" R22)	(800.00' R22)	(542.79' R22)
C3	38°12'40"	799.98'	533.51'	(38°12'04" R22)	(800.00' R22)	(533.39' R22)
C4	16°19'52"	726.98'	207.21'	(16°17'53" R14)	(727.00' R14)	(206.80' R14)
C5	16°36'11"	999.98'	289.77'	(16°35'46" R6)	(1000.00' R6)	(289.66' R6)
C6	4°30'49"	999.98'	78.77'	— — — —	— — — —	— — — —
C7	16°53'16"	999.98'	294.74'	(16°25'47" R7)	(1000.00' R7)	(294.82' R7)
C8	0°41'15"	999.98'	12.00'	(0°41'15" R7)	(1000.00' R7)	(12.00' R7)
C9	8°59'19"	726.98'	114.05'	(9°09'25" R17)	(727.00' R17)	(116.19' R17)
C10	9°22'25"	766.98'	125.48'	(9°31'32" R17)	(767.00' R17)	(127.59' R17)
C11	1°22'22"	947.98'	22.71'	(1°24'35" R17)	(948.00' R17)	(23.32' R17)
C12	93°18'48"	30.00'	48.86'	(93°19'01" R17)	(30.00' R17)	(48.86' R17)
C13	12°08'40"	105.50'	22.36'	(12°08'41" R62)	(105.50' R62)	(22.36' R62)
C14	16°29'15"	149.50'	43.02'	(16°29'19" R62)	(149.50' R62)	(43.02' R62)
C15	16°19'52"	766.98'	218.61'	— — — —	— — — —	— — — —
C16	17°10'55"	999.98'	299.87'	(17°09'38" R16)	(1000.00 R16)	(299.51' R16)
C17	2°13'07"	774.98'	30.01'	(2°13'07" R12)	(775.00' R12)	(30.01' R12)
C18	0°53'17"	774.98'	12.01'	(0°53'17" R12)	(775.00' R12)	(12.01' R12)
C19	28°23'19"	774.98'	383.98'	(28°32'12" R12)	(775.00' R12)	(383.97' R12)
C20	9°47'11"	1199.98'	204.96'	(09°47'12" R12)	(1200.00' R12)	(204.97' R12)

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L1	N89°40'33"W	721.00'	(721.01' R20)
L2	N00°36'22"E	751.20'	(751.22' R22)
L3	N39°28'51"E	117.56'	(117.56' R21)
L4	N01°22'54"E	196.97'	— — — —
L5	N89°40'33"W	43.00'	— — — —
L6	N89°40'33"W	34.00'	(34.00' R47)
L7	N89°37'22"W	32.00'	— — — —
L8	N89°37'22"W	43.10'	— — — —
L9	N89°37'22"W	75.01'	— — — —
L10	N89°40'33"W	75.00'	(75.00' R34)
L11	N89°40'33"W	43.00'	— — — —
L12	N89°40'33"W	32.00'	— — — —
L13	N89°17'13"E	32.01'	(32.01' R58)
L14	N89°17'13"E	43.01'	(43.01' R58)
L15	N89°17'13"E	35.01'	(35.01' R12)
L16	N89°17'13"E	25.01'	(25.01' R59)
L17	N89°17'13"E	18.00'	(18.00' R59)
L18	N89°17'13"E	60.02'	— — — —
L19	N89°17'13"E	75.02'	(75.02' C R58)
L20	N88°44'39"W	47.18'	(47.18' R12)

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L63	N89°33'49"W	151.07'	(150.88' R16)
L64	N01°22'54"E	33.29'	(33.23' R12)
L65	N72°36'12"W	55.19'	— — — —
L66	N17°23'48"E	143.90'	— — — —
L67	N17°22'34"E	15.80'	(15.80' R67)
L68	N28°24'28"W	39.97'	(39.97' R67)
L69	N76°20'39"W	25.81'	(26.41' R67)
L71	N72°36'12"W	54.41'	— — — —
L72	N72°31'32"W	12.73'	(13.04' R15)

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L21	N88°44'39"W	55.34'	(55.37' R12)
L22	N88°44'39"W	25.09'	(25.12' R12)
L23	N88°44'39"W	30.26'	(30.25' R12)
L24	N88°44'39"W	47.18'	(47.74' C R17)
L25	N88°44'39"W	55.34'	(55.37' R12)
L26	N01°02'46"E	85.48'	(87.97' R17)
L27	N88°57'14"W	12.83'	(13.08' R17)
L28	N88°57'14"W	40.31'	(40.30' R17)
L29	N17°22'38"E	58.15'	(56.72' R17)
L30	N27°39'32"W	34.15'	(34.15' R62)
L31	N72°35'08"W	5.04'	(5.04' R62)
L32	N17°22'36"E	46.32'	(46.32' R62)
L33	N72°37'07"W	3.33'	(3.33' R62)
L34	N55°51'34"E	24.70'	(24.70' R62)
L35	N17°22'36"E	218.53'	(218.53' R62)
L36	N77°00'03"W	5.24'	(5.24' R62)
L37	N17°22'38"E	373.68'	(373.68' R62)
L38	N72°35'08"W	10.41'	(10.41' R63)
L39	N77°25'58"W	13.80'	(13.80' R63)
L40	N68°19'23"W	1.52'	(1.63' R63)

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L41	N17°23'48"E	51.84'	(51.87' R63)
L42	N56°41'45"W	16.36'	(16.49' R63)
L43	N72°37'07"W	9.93'	(9.93' R63)
L44	N17°22'38"E	874.02'	(874.04' R63)
L45	N88°54'05"W	33.34'	— — — —
L46	N01°22'54"E	36.45'	(36.45' R12)
L47	N67°52'38"W	249.70'	(249.75' R16)
L48	N89°42'45"W	59.65'	(59.65' R12)
L49	N89°42'45"W	103.42'	(103.42' R12)
L50	N89°42'45"W	70.09'	(70.09' R12)
L51	N88°44'57"W	2.39'	(2.39' R12)
L52	N01°05'44"E	30.00'	(30.00' R12)
L53	N88°37'23"W	58.40'	(58.39' R12)
L54	N89°42'45"W	0.18'	(0.68' R12)
L55	N89°42'45"W	0.21'	(0.77' R12)
L56	N89°42'46"W	70.12'	(70.18' R12)
L57	N01°02'46"E	85.35'	(87.97' R12)
L58	N72°22'54"W	313.65'	(313.71' R16)
L61	N67°52'38"W	33.49'	(33.49' R65)
L62	N89°33'49"W	34.29'	(34.29' R16)

REFERENCES

- (R1) = O.C.S. ALIGNMENT NOTE A/5–10/377–386
- (R2) = PARCEL MAP P.M.B. 121/14–15
- (R3) = RECORD OF SURVEY RSB 257/26
- (R4) = O.C.S. ALIGNMENT NOTE A/5–10/414
- (R5) = O.C.S. ALIGNMENT NOTE A/5–10/415–419
- (R6) = PARCEL MAP P.M.B. 168/35–36
- (R7) = PARCEL MAP P.M.B. 75/30–31
- (R8) = RECORD OF SURVEY RSB 191/31–32
- (R9) = PARCEL MAP P.M.B. 82/45–46
- (R10) = PARCEL MAP P.M.B. 72/31–32
- (R11) = RECORD OF SURVEY RSB 259/6
- (R12) = RECORD OF SURVEY RSB 159/11–14
- (R13) = TRACT NO. 1024, M.M. 33/33
- (R14) = RECORD OF SURVEY RSB 60/43
- (R15) = RECORD OF SURVEY RSB 98/10
- (R16) = RECORD OF SURVEY RSB 98/11
- (R17) = TRACT NO. 2511, M.M. 113/29–34
- (R18) = O.C.S. ALIGNMENT NOTE A/5–10/405–410
- (R19) = RECORD OF SURVEY RSB 65/17
- (R20) = O.R. 4508–36 RECORDED 12/08/1958
- (R21) = O.R. 4468–450 RECORDED 10/31/1958
- (R22) = O.R. 4847–412 RECORDED 08/19/1959
- (R23) = O.R. 4522–503 RECORDED 12/19/1958
- (R24) = O.R. 4468–433 RECORDED 01/31/1959
- (R25) = O.R. 4468–450 RECORDED 01/31/1958
- (R26) = O.R. 5797–55 RECORDED 07/27/1961
- (R27) = PARCEL MAP P.M.B. 102/6–7
- (R28) = TRACT NO. 4022, M.M. 149/7–9
- (R29) = PARCEL MAP P.M.B. 87/22–23
- (R30) = PARCEL MAP P.M.B. 36/46–47
- (R31) = CORNER RECORD 2017–1170
- (R32) = TRACT NO. 2260, M.M. 106/1–6
- (R33) = PARCEL MAP P.M.B. 128/8–9
- (R34) = RECORD OF SURVEY RSB 257/4
- (R35) = CORNER RECORD 2011–1270
- (R36) = CORNER RECORD 2001–0976
- (R37) = PARCEL MAP P.M.B. 362/21–22
- (R38) = CORNER RECORD 2008–0529
- (R39) = CORNER RECORD 2005–0785
- (R40) = CORNER RECORD 2018–0691
- (R41) = CORNER RECORD 2018–0692
- (R42) = CORNER RECORD 2018–0693
- (R43) = O.C.S. ALIGNMENT NOTE A/5–10/1035–1043
- (R44) = CORNER RECORD 2003–1131
- (R45) = CORNER RECORD 2003–1133
- (R46) = CORNER RECORD 2003–1134
- (R47) = PARCEL MAP P.M.B. 139/21–24
- (R48) = TRACT NO. 16416, M.M. 845/28–33
- (R49) = PARCEL MAP 40/45
- (R50) = PARCEL MAP 284/7–10
- (R51) = O.C.S. ALIGNMENT NOTE A/5–10/33–37

REFERENCES

- (R52) = PARCEL MAP 69/20
- (R53) = PARCEL MAP 75/30–31
- (R54) = PARCEL MAP P.M.B. 65/42
- (R55) = TRACT NO. 4022, M.M. 149/7–9
- (R56) = RECORD OF SURVEY RSB 49/1
- (R57) = PARCEL MAP P.M.B. 246/8–9
- (R58) = TRACT NO. 2650, M.M. 112/9–11
- (R59) = TRACT NO. 3561, M.M. 142/27–29
- (R60) = RECORD DRAWING NO. D03–101–2A
- (R61) = RECORD DRAWING NO. D03–101–3A
- (R62) = INST. NO. 2006000165177 O.R.
- (R63) = INST. NO. 2006000166361 O.R.
- (R64) = O.R. BOOK 5526 PAGE 454 RECORDED 11/29/1960
- (R65) = RECORD OF SURVEY RSB 30/21
- (R66) = CORNER RECORD 2017–1626
- (R67) = O.R. 20020097500
- (R68) = O.R. 5127–2 RECORDED 03/02/1960

EASEMENT NOTES

- ① O.R. 2006–6000165177 GRANT DEED TO THE CITY OF SANTA ANA FOR STREET AND HIGHWAY PURPOSES.
- ② O.R. 2006–6000166361 GRANT DEED TO THE CITY OF SANTA ANA FOR STREET AND HIGHWAY PURPOSES.
- ③ O.R. 20020097500 GRANT DEED TO THE CITY OF SANTA ANA
- ④ EXISTING PROPERTY OWNED IN FEE BY THE ORANGE COUNTY FLOOD CONTROL DISTRICT. RECORDED 11/29/1960, IN BOOK 5526 PAGE 454 O.R.

NOTES

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

BASIS OF BEARINGS

THE BASIS OF BEARINGS SHOWN HEREON ARE BASED ON THE CGPS STATIONS (BLSA) AND (SACY) HAVING A BEARING OF NORTH 62°11'52" WEST.

HORIZONTAL DATUM

COORDINATES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2017.50) EPOCH ADJUSTMENT.

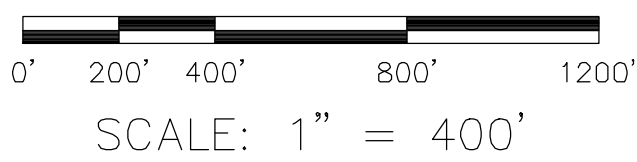
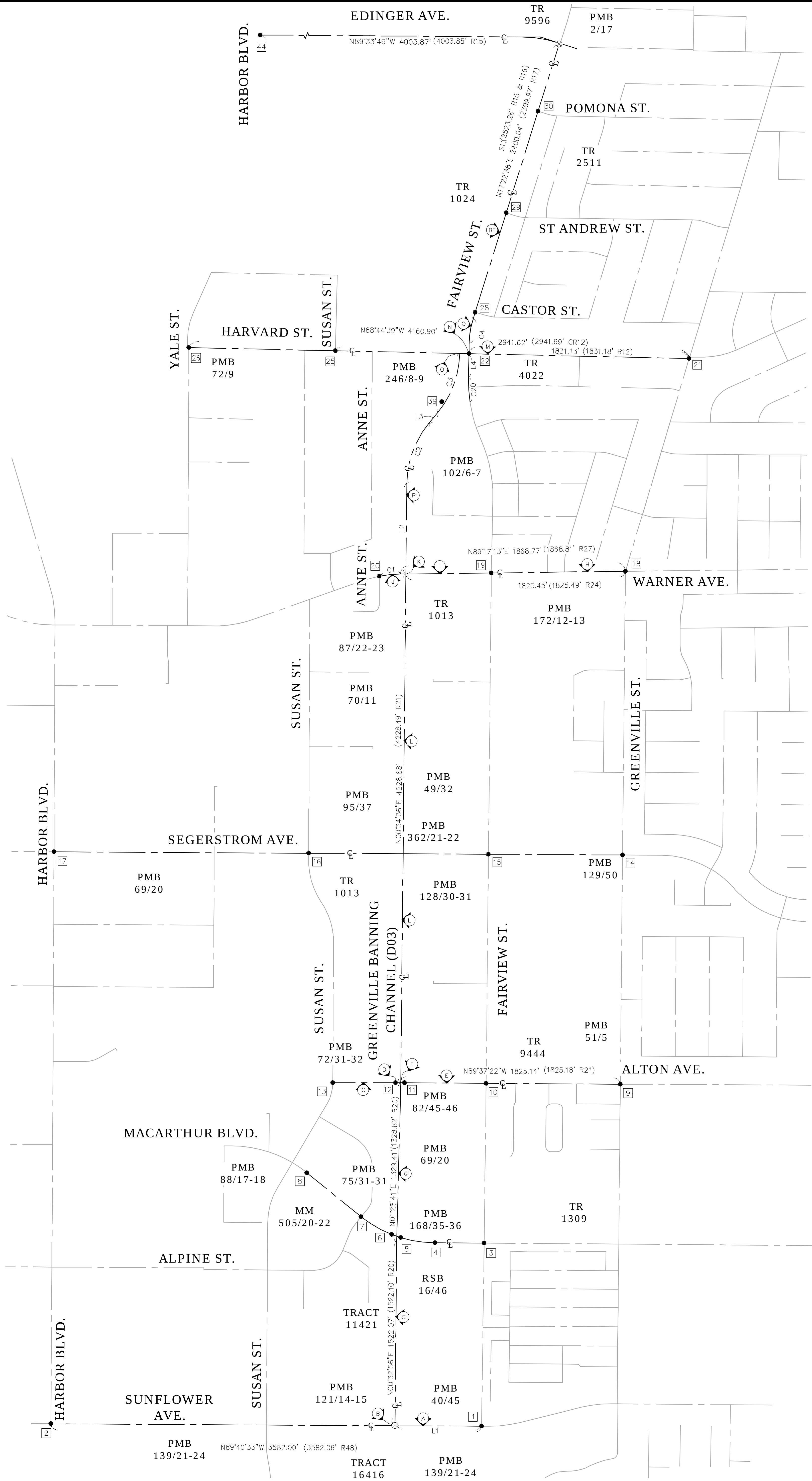
ALL DISTANCES SHOWN ARE GRID, UNLESS OTHERWISE NOTED. TO OBTAIN GROUND DISTANCE MULTIPLY A GRID DISTANCE BY 1.00002040.

THIS COMBINATION FACTOR WAS DERIVED AT POINT NUMBER #511 N:2208087.86', E:6056862.54', ELEVATION: 46.27'

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

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

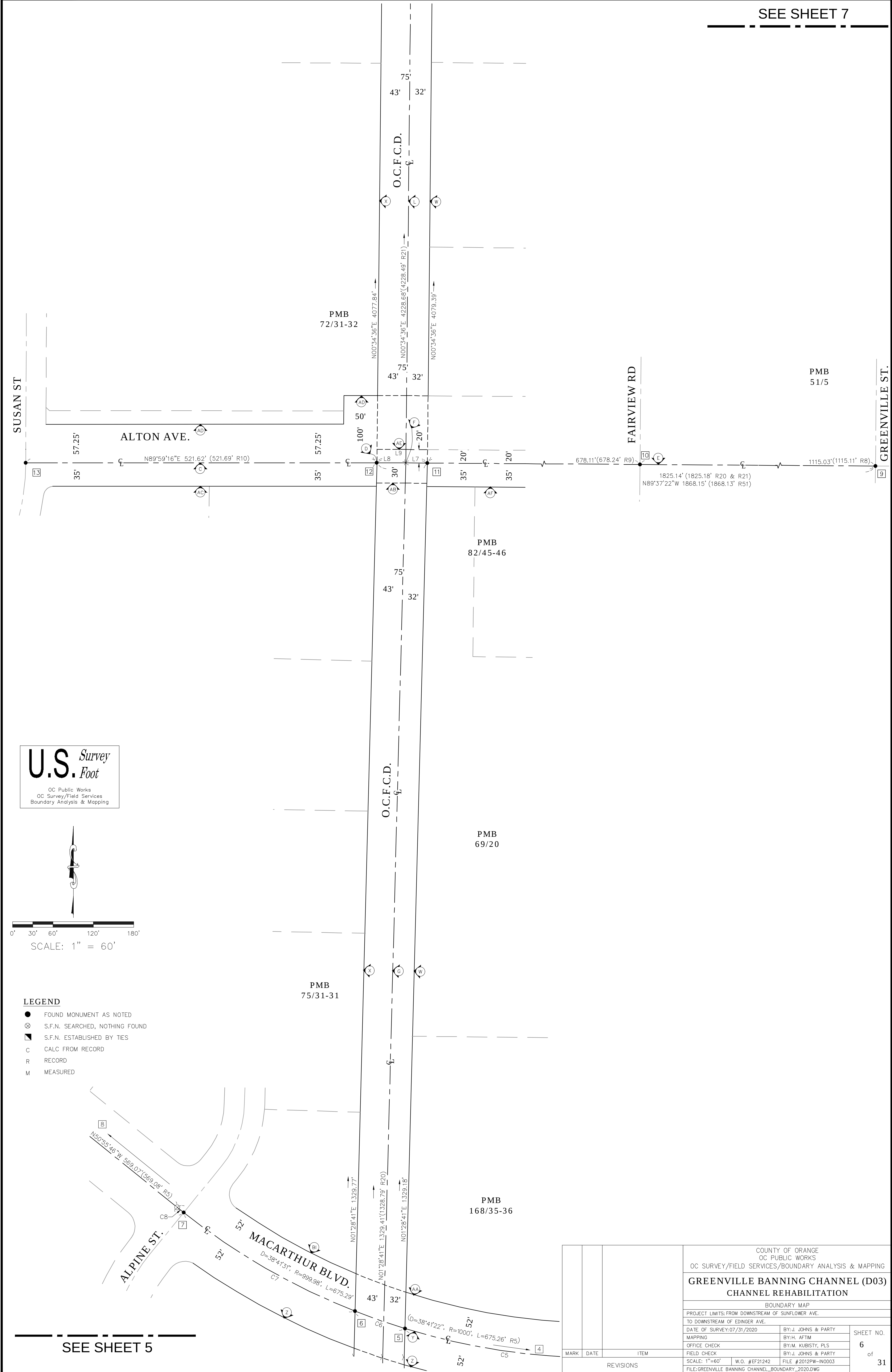
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			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION				
			BOUNDARY MAP				
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.				
			DATE OF SURVEY: 07/31/2020		BY: J. JOHNS & PARTY		SHEET NO. 3 of 31
			MAPPING		BY: H. AFTIM		
			OFFICE CHECK		BY: M. KUBISTY, PLS		
			FIELD CHECK		BY: J. JOHNS & PARTY		
			SCALE: NTS		W.O. #EF21242 FILE # 2012PW-IN0003		
			FILE: GREENVILLE BANNING_CHANNEL_BOUNDARY_2020.DWG				
MARK	DATE	ITEM	REVISIONS				



- LEGEND**
- FOUND MONUMENT AS NOTED
 - ⊗ S.F.N. SEARCHED, NOTHING FOUND
 - S.F.N. ESTABLISHED BY TIES
 - C CALC FROM RECORD
 - R RECORD
 - M MEASURED

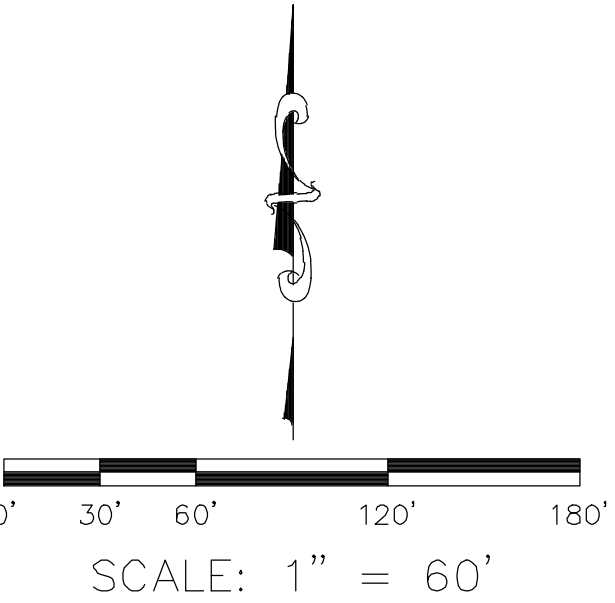


COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION		
BOUNDARY MAP		
PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.		
DATE OF SURVEY: 07/31/2020	BY: J. JOHNS & PARTY	SHEET NO. 4 of 31
MAPPING	BY: H. AFTIM	
OFFICE CHECK	BY: M. KUBISTY, PLS	
FIELD CHECK	BY: J. JOHNS & PARTY	
SCALE: 1"=400'	W.O. #EF21242 FILE: #2012PW-IN0003 FILE: GREENVILLE_BANNING_CHANNEL_BOUNDARY_2020.DWG	
MARK	DATE	ITEM
REVISIONS		



U.S. Survey Foot

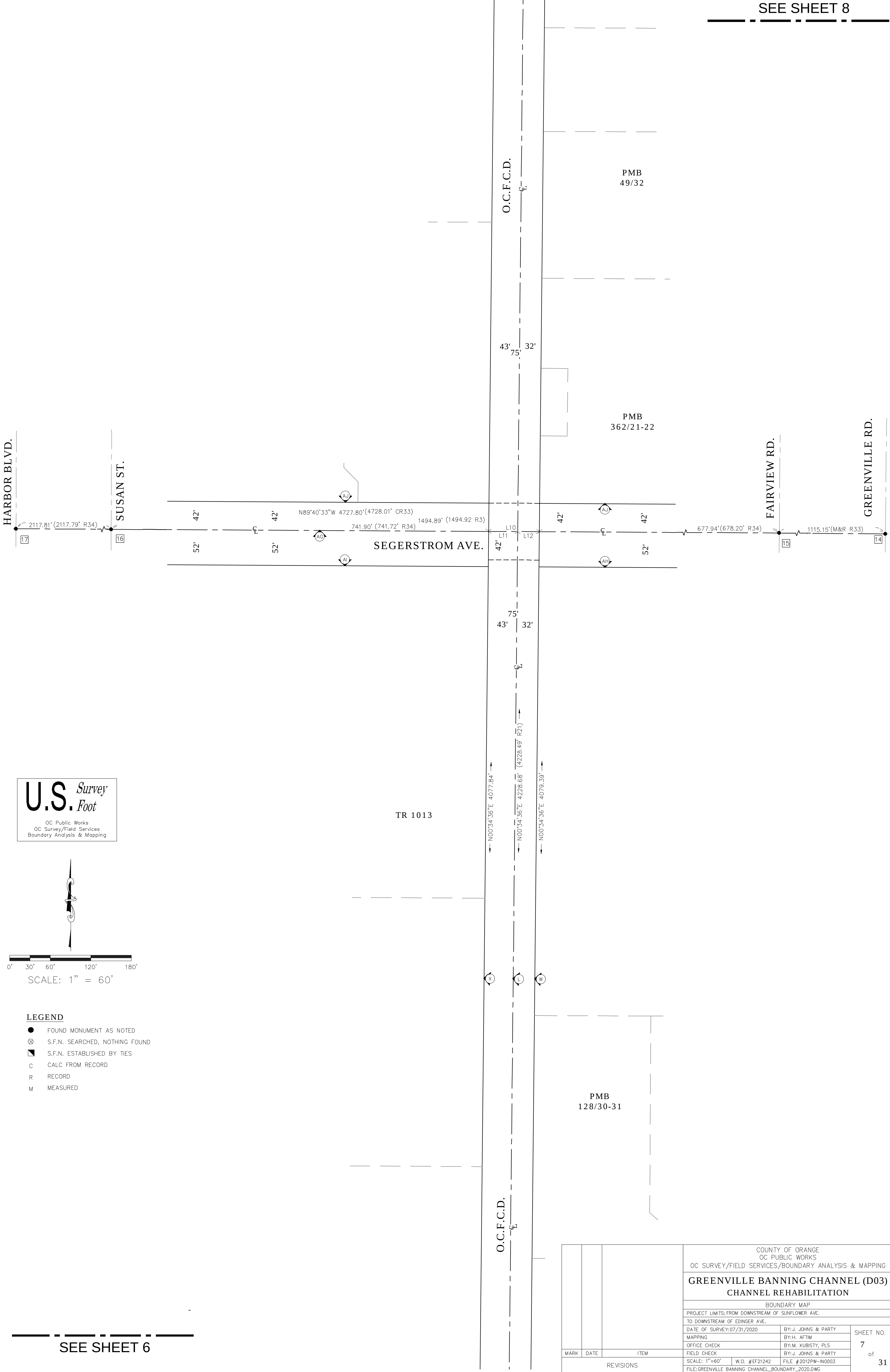
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping



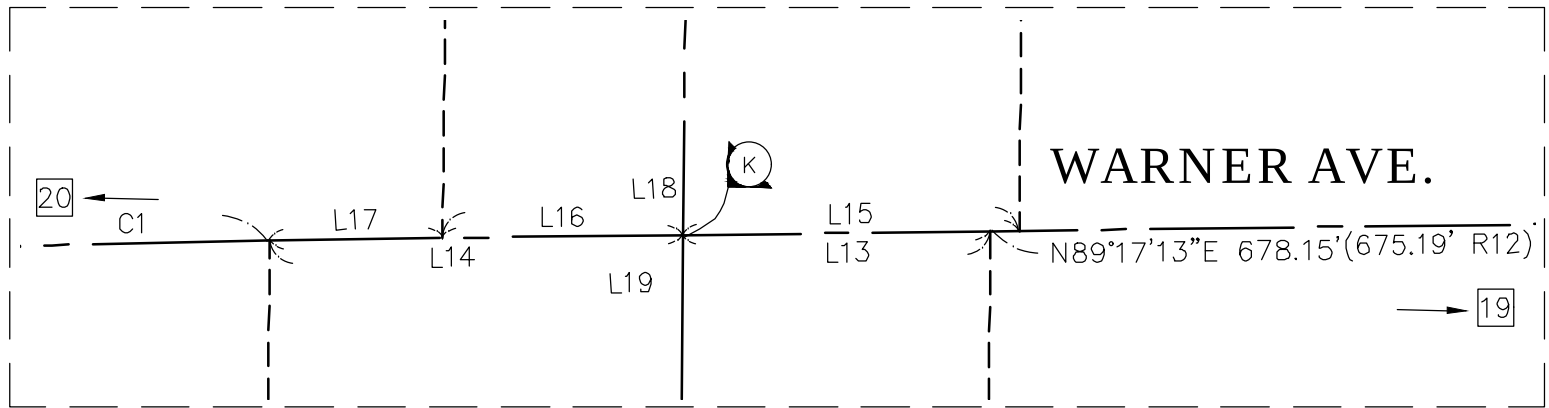
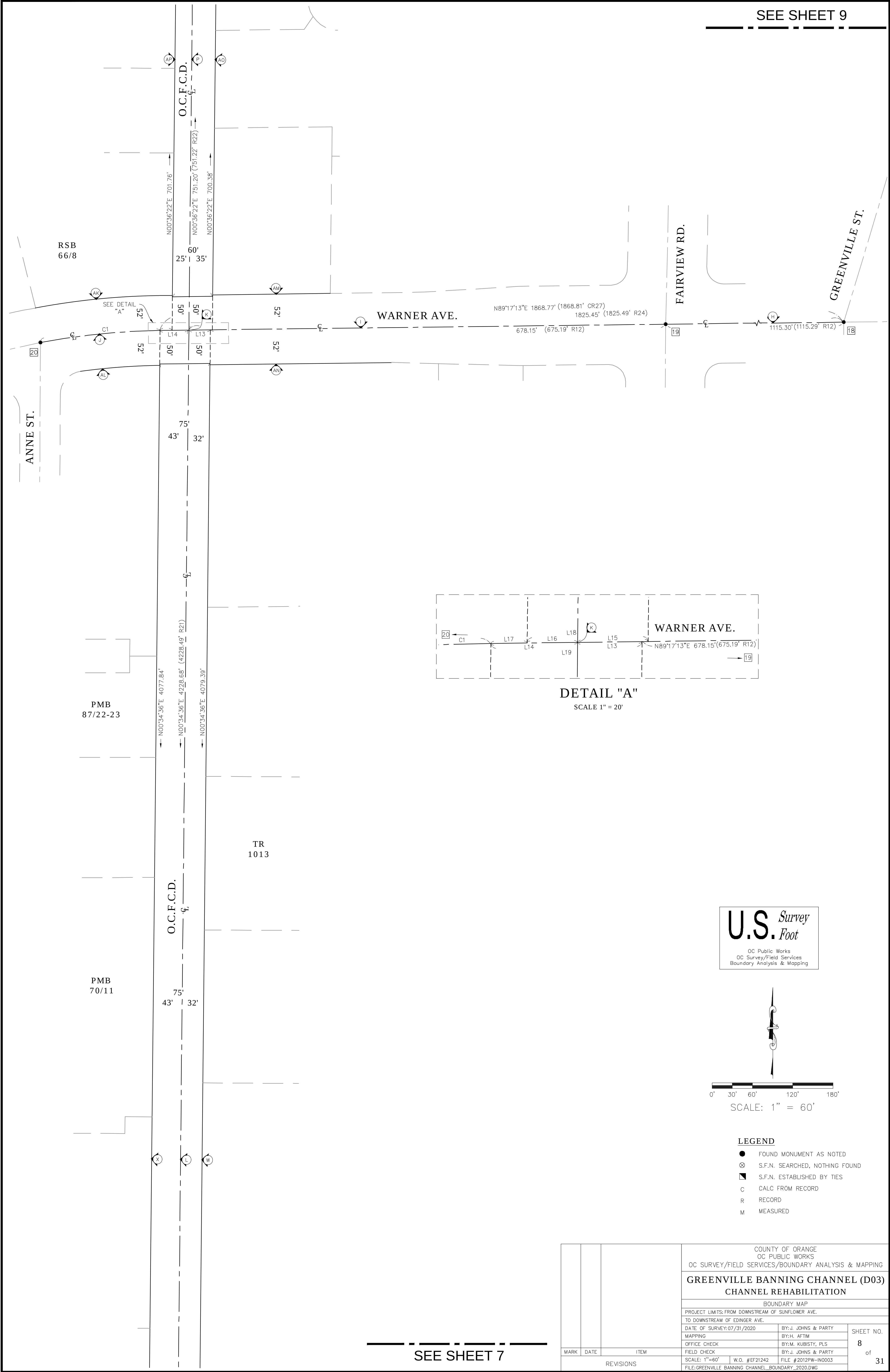
LEGEND

- FOUND MONUMENT AS NOTED
- ⊗ S.F.N. SEARCHED, NOTHING FOUND
- ▣ S.F.N. ESTABLISHED BY TIES
- C CALC. FROM RECORD
- R RECORD
- M MEASURED

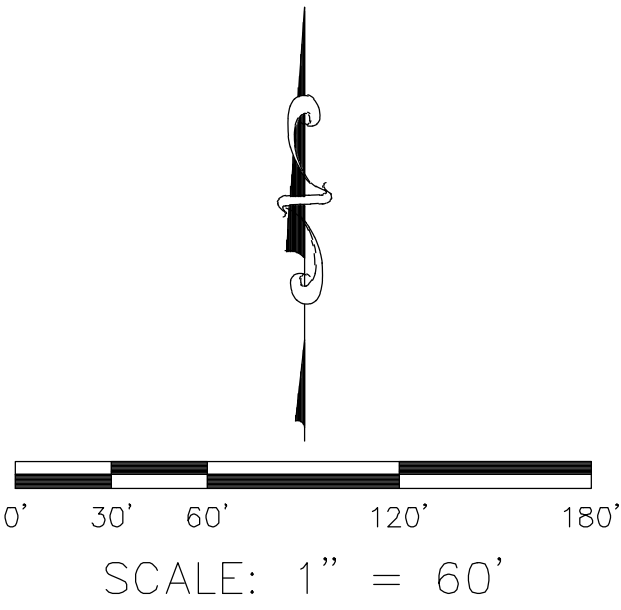
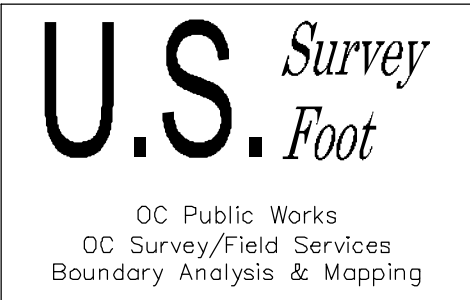
			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION				
			BOUNDARY MAP				
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.				
MARK	DATE	ITEM	DATE OF SURVEY: 07/31/2020		BY: J. JOHNS & PARTY		SHEET NO. 6 of 31
			MAPPING		BY: H. AFTIM		
			OFFICE CHECK		BY: M. KUBISTY, PLS		
			FIELD CHECK		BY: J. JOHNS & PARTY		
			SCALE: 1"=60'		W.O. #EF21242		
REVISIONS			FILE #2012PW-IN0003				
			FILE: GREENVILLE_BANNING_CHANNEL_BOUNDARY_2020.DWG				



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION			
			BOUNDARY MAP			
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.			
			DATE OF SURVEY: 07/31/2020 MAPPING		BY: J. JOHNS & PARTY BY: H. AFTIM	
OFFICE CHECK		BY: M. KUBISTY, PLS				
FIELD CHECK		BY: J. JOHNS & PARTY				
MARK	DATE	ITEM	SCALE: 1"=60' W.O. #EF21242 FILE #2012PW-IN0003			
REVISIONS			FILE: GREENVILLE_BANNING_CHANNEL_BOUNDARY_2020.DWG			



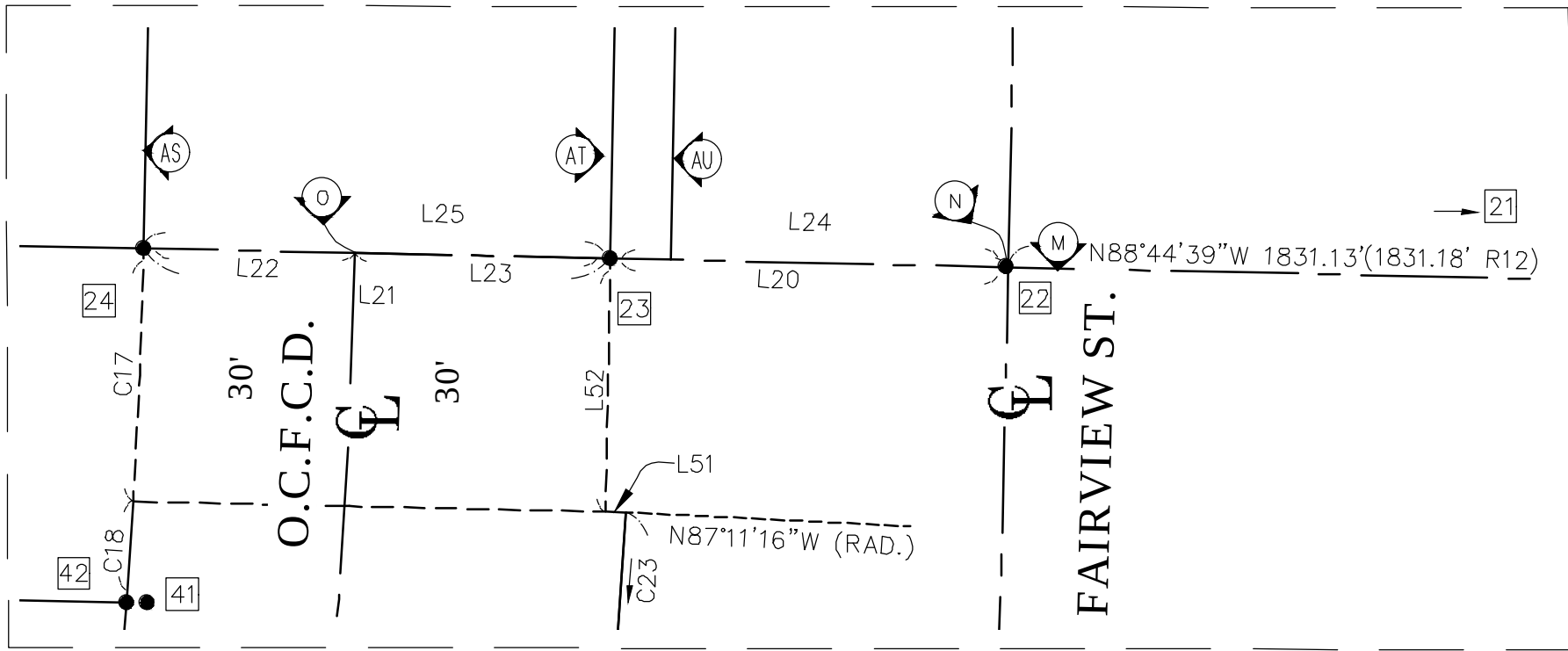
DETAIL "A"
SCALE 1" = 20'



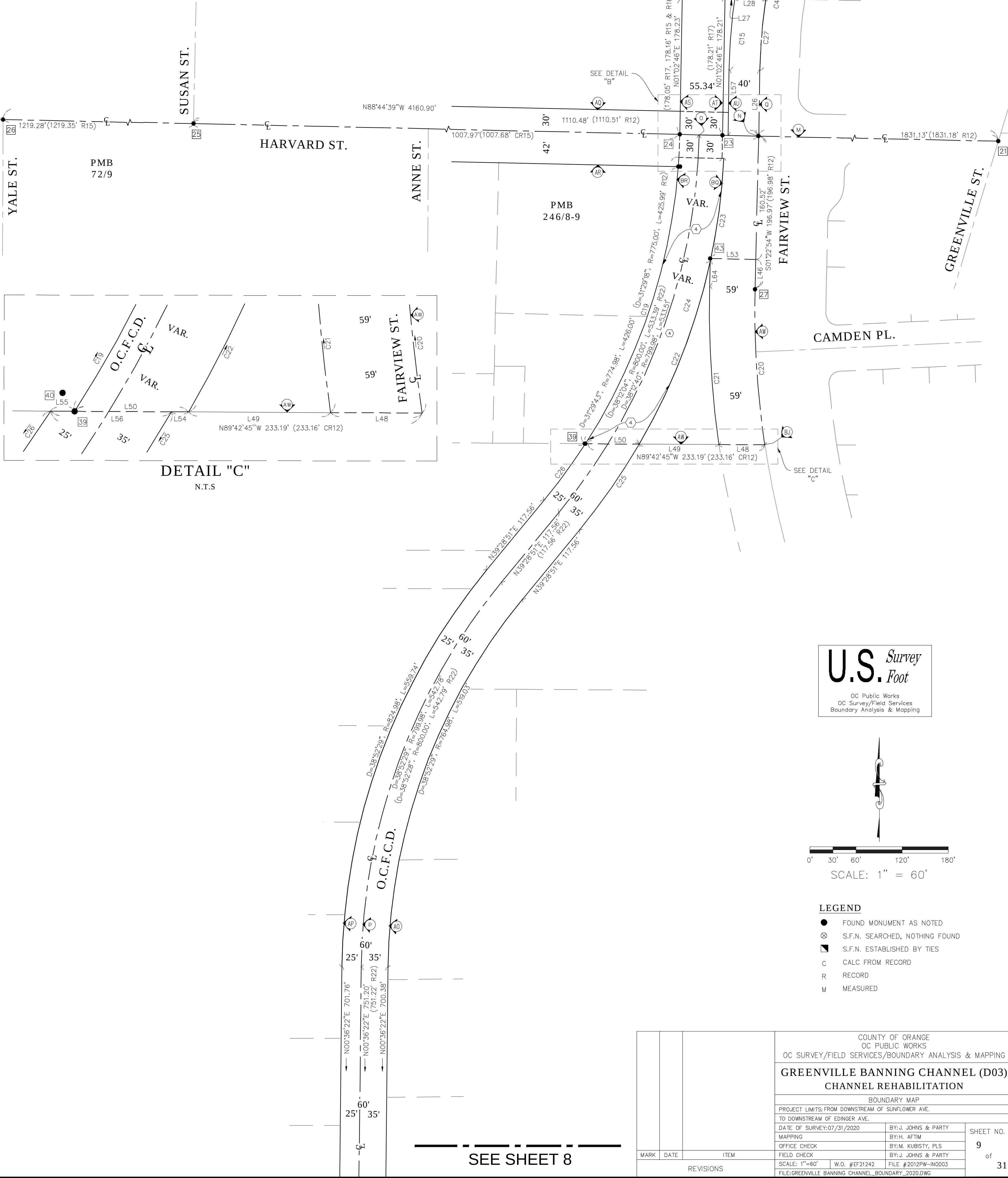
- LEGEND**
- FOUND MONUMENT AS NOTED
 - ⊗ S.F.N. SEARCHED, NOTHING FOUND
 - ▣ S.F.N. ESTABLISHED BY TIES
 - C CALC FROM RECORD
 - R RECORD
 - M MEASURED

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION			
			BOUNDARY MAP			
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.			
			DATE OF SURVEY: 07/31/2020		BY: J. JOHNS & PARTY	SHEET NO. 8 of 31
			MAPPING		BY: H. AFTIM	
			OFFICE CHECK		BY: M. KUBISTY, PLS	
			FIELD CHECK		BY: J. JOHNS & PARTY	
MARK	DATE	ITEM	SCALE: 1"=60'		W.O. #EF21242	FILE #2012PW-IN0003
REVISIONS			FILE: GREENVILLE_BANNING_CHANNEL_BOUNDARY_2020.DWG			

SEE SHEET 10

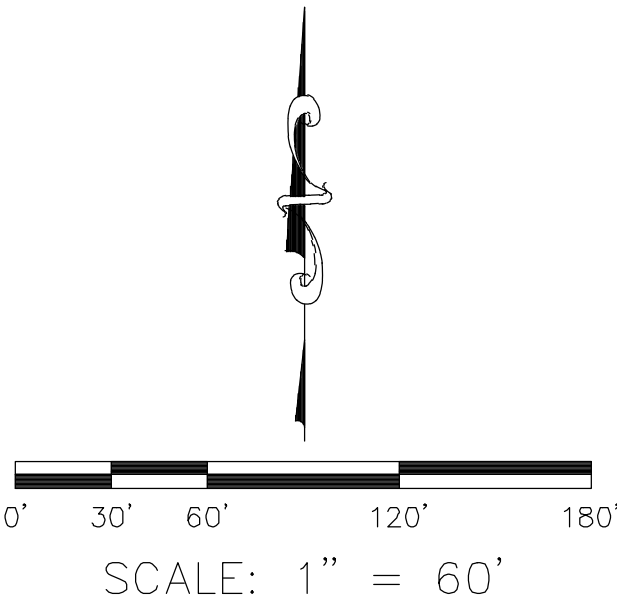


DETAIL "B"
SCALE 1" = 20'



DETAIL "C"
N.T.S.

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



- LEGEND**
- FOUND MONUMENT AS NOTED
 - ⊗ S.F.N. SEARCHED, NOTHING FOUND
 - ▣ S.F.N. ESTABLISHED BY TIES
 - C CALC FROM RECORD
 - R RECORD
 - M MEASURED

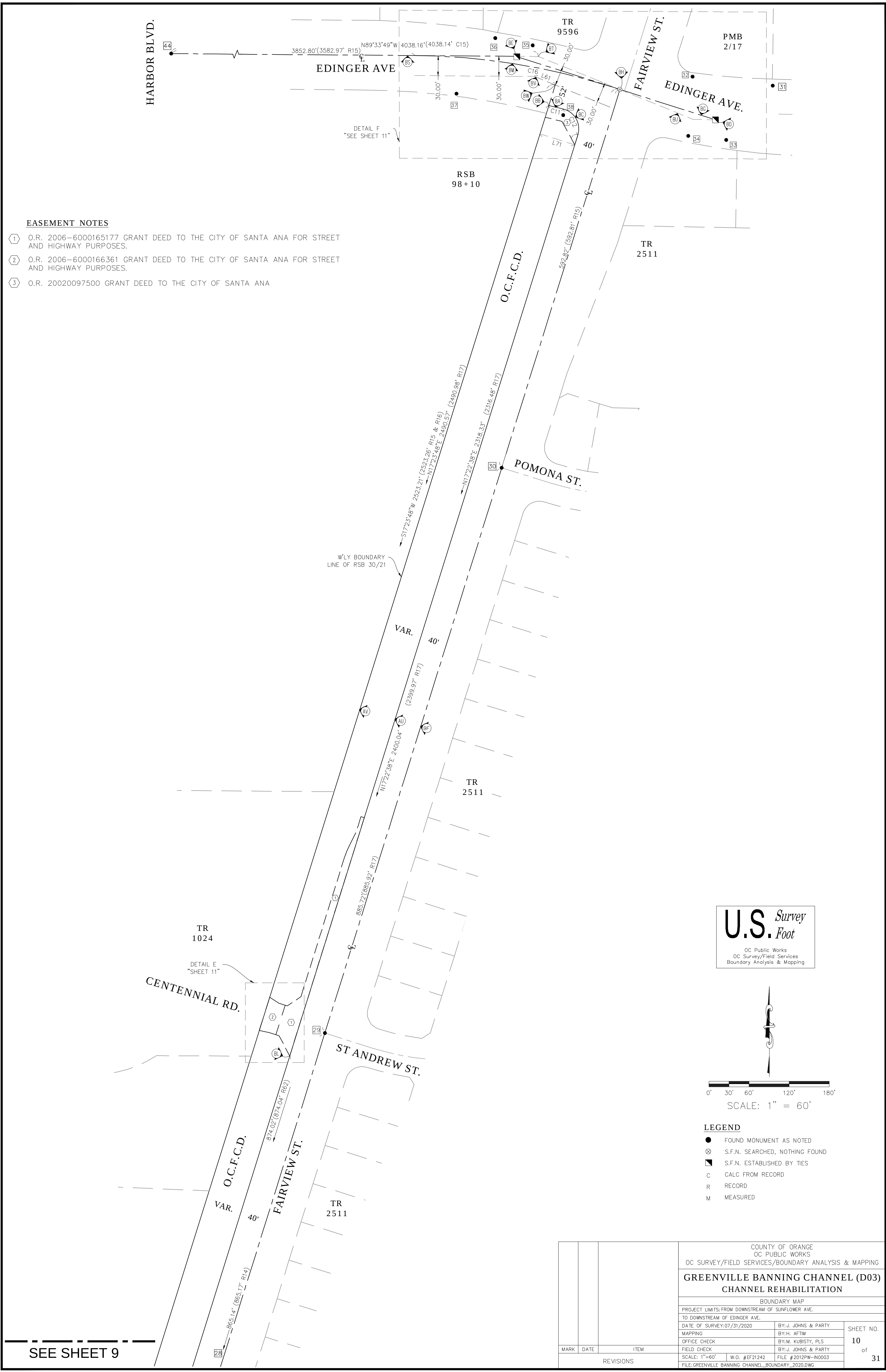
		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION	
		BOUNDARY MAP	
		PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.	
		DATE OF SURVEY: 07/31/2020	BY: J. JOHNS & PARTY
		MAPPING	BY: H. AFTIM
		OFFICE CHECK	BY: M. KUBISTY, PLS
		FIELD CHECK	BY: J. JOHNS & PARTY
		SCALE: 1"=60'	W.O. #EF21242
		FILE: GREENVILLE_BANNING_CHANNEL_BOUNDARY_2020.DWG	FILE #2012PW-IN0003
MARK	DATE	ITEM	SHEET NO.
REVISIONS			9 of 31

- EASEMENT NOTES**
- 1

O.R. 2006-6000165177 GRANT DEED TO THE CITY OF SANTA ANA FOR STREET AND HIGHWAY PURPOSES.
- 2

O.R. 2006-6000166361 GRANT DEED TO THE CITY OF SANTA ANA FOR STREET AND HIGHWAY PURPOSES.
- 3

O.R. 20020097500 GRANT DEED TO THE CITY OF SANTA ANA



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION			
			BOUNDARY MAP			
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.			
			DATE OF SURVEY: 07/31/2020		BY: J. JOHNS & PARTY	
			MAPPING		BY: H. AFTIM	
			OFFICE CHECK		BY: M. KUBISTY, PLS	
			FIELD CHECK		BY: J. JOHNS & PARTY	
			SCALE: 1"=60'		W.O. # EF21242	
			FILE: GREENVILLE_BANNING_CHANNEL_BOUNDARY_2020.DWG		FILE # 2012PW-IN0003	
MARK	DATE	ITEM	REVISIONS			

SHEET NO.

10

of

31

- ① O.R. 2006-6000165177 GRANT DEED TO THE CITY OF SANTA ANA FOR STREET AND HIGHWAY PURPOSES.
- ② O.R. 2006-6000166361 GRANT DEED TO THE CITY OF SANTA ANA FOR STREET AND HIGHWAY PURPOSES.
- ③ O.R. 20020097500 GRANT DEED TO THE CITY OF SANTA ANA



● FOUND MONUMENT AS NOTED
 ⊗ S.F.N. SEARCHED, NOTHING FOUND
 ▣ S.F.N. ESTABLISHED BY TIES
 C CALC FROM RECORD
 R RECORD
 M MEASURED

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION				
			BOUNDARY MAP				
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE.				
			TO DOWNSTREAM OF EDINGER AVE.				
			DATE OF SURVEY: 07/31/2020		BY: J. JOHNS & PARTY		SHEET NO. 11 of 31
			MAPPING		BY: H. AFTIM		
			OFFICE CHECK		BY: M. KUBISTY, PLS		
			FIELD CHECK		BY: J. JOHNS & PARTY		
MARK	DATE	ITEM	SCALE: N.T.S.		W.O. #EF21242	FILE #2012PW-IN0003	
REVISIONS			FILE: GREENVILLE BANNING CHANNEL_BOUNDARY_2020.DWG				

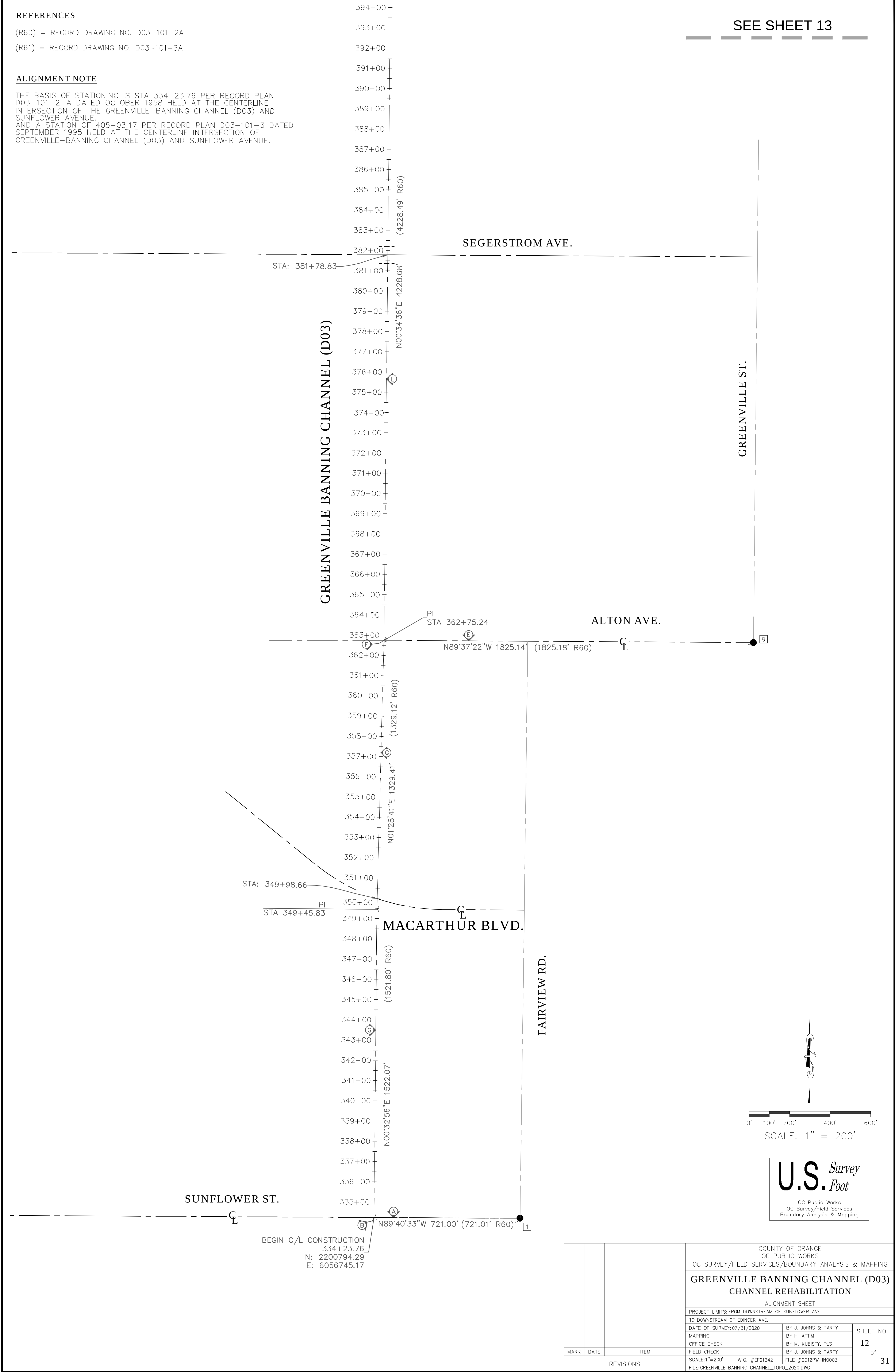
REFERENCES

(R60) = RECORD DRAWING NO. D03-101-2A
(R61) = RECORD DRAWING NO. D03-101-3A

ALIGNMENT NOTE

THE BASIS OF STATIONING IS STA 334+23.76 PER RECORD PLAN D03-101-2-A DATED OCTOBER 1958 HELD AT THE CENTERLINE INTERSECTION OF THE GREENVILLE-BANNING CHANNEL (D03) AND SUNFLOWER AVENUE.
AND A STATION OF 405+03.17 PER RECORD PLAN D03-101-3 DATED SEPTEMBER 1995 HELD AT THE CENTERLINE INTERSECTION OF GREENVILLE-BANNING CHANNEL (D03) AND SUNFLOWER AVENUE.

SEE SHEET 13



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION				
			ALIGNMENT SHEET				
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.				
			DATE OF SURVEY: 07/31/2020		BY: J. JOHNS & PARTY		SHEET NO. 12 of 31
			MAPPING		BY: H. AFTIM		
OFFICE CHECK		BY: M. KUBISTY, PLS					
FIELD CHECK		BY: J. JOHNS & PARTY					
MARK	DATE	ITEM	SCALE: 1"=200' W.O. # EF21242		FILE # 2012PW-IN0003		
REVISIONS			FILE: GREENVILLE_BANNING_CHANNEL_TOPO_2020.DWG				

REFERENCES

(R60) = RECORD DRAWING NO. D03-101-2A

(R61) = RECORD DRAWING NO. D03-101-3A

ALIGNMENT NOTE

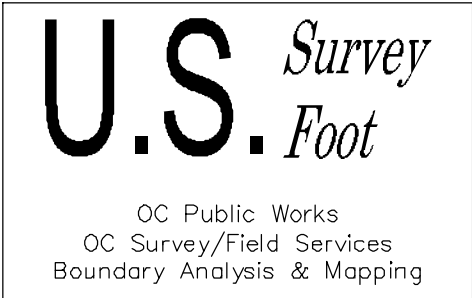
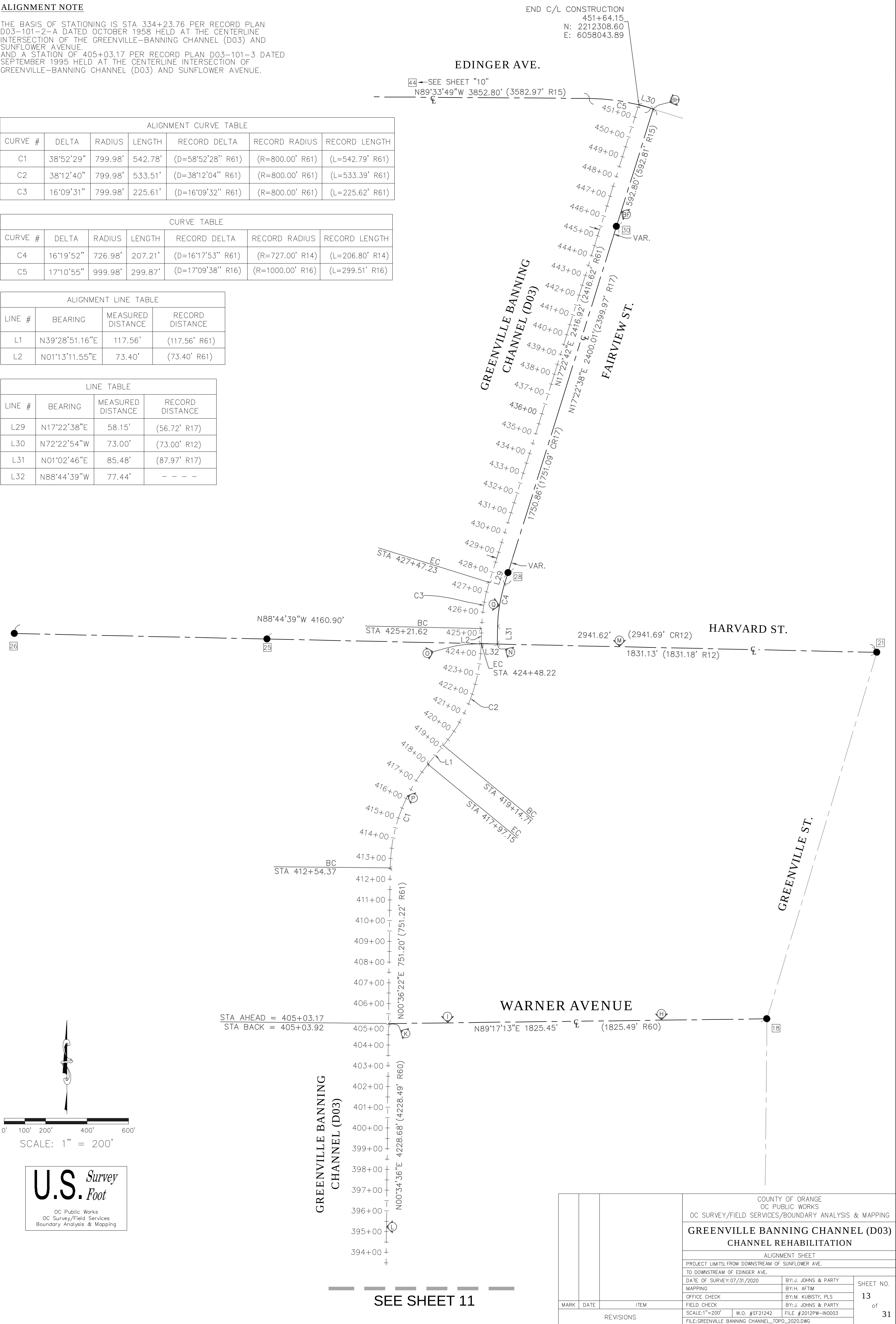
THE BASIS OF STATIONING IS STA 334+23.76 PER RECORD PLAN D03-101-2-A DATED OCTOBER 1958 HELD AT THE CENTERLINE INTERSECTION OF THE GREENVILLE-BANNING CHANNEL (D03) AND SUNFLOWER AVENUE AND A STATION OF 405+03.17 PER RECORD PLAN D03-101-3 DATED SEPTEMBER 1995 HELD AT THE CENTERLINE INTERSECTION OF GREENVILLE-BANNING CHANNEL (D03) AND SUNFLOWER AVENUE.

ALIGNMENT CURVE TABLE						
CURVE #	DELTA	RADIUS	LENGTH	RECORD DELTA	RECORD RADIUS	RECORD LENGTH
C1	38°52'29"	799.98'	542.78'	(D=58°52'28" R61)	(R=800.00' R61)	(L=542.79' R61)
C2	38°12'40"	799.98'	533.51'	(D=38°12'04" R61)	(R=800.00' R61)	(L=533.39' R61)
C3	16°09'31"	799.98'	225.61'	(D=16°09'32" R61)	(R=800.00' R61)	(L=225.62' R61)

CURVE TABLE						
CURVE #	DELTA	RADIUS	LENGTH	RECORD DELTA	RECORD RADIUS	RECORD LENGTH
C4	16°19'52"	726.98'	207.21'	(D=16°17'53" R61)	(R=727.00' R14)	(L=206.80' R14)
C5	17°10'55"	999.98'	299.87'	(D=17°09'38" R16)	(R=1000.00' R16)	(L=299.51' R16)

ALIGNMENT LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L1	N39°28'51.16"E	117.56'	(117.56' R61)
L2	N01°13'11.55"E	73.40'	(73.40' R61)

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L29	N17°22'38"E	58.15'	(56.72' R17)
L30	N72°22'54"W	73.00'	(73.00' R12)
L31	N01°02'46"E	85.48'	(87.97' R17)
L32	N88°44'39"W	77.44'	- - - -



SEE SHEET 11

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION			
			ALIGNMENT SHEET			
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.			
MARK	DATE	ITEM	DATE OF SURVEY: 07/31/2020		BY: J. JOHNS & PARTY	SHEET NO. 13 of 31
			MAPPING		BY: H. AFTIM	
			OFFICE CHECK		BY: M. KUBISTY, PLS	
			FIELD CHECK		BY: J. JOHNS & PARTY	
REVISIONS			SCALE: 1"=200'	W.O. #EF21242	FILE #2012PW-IN0003	
			FILE: GREENVILLE_BANNING_CHANNEL_TOPO_2020.DWG			

LEGEND

- SYMBOL
- Benchmark
 - Bush
 - Control Point
 - Drop Inlet
 - Fire Hydrant
 - Gate, Double
 - Gate, Single
 - Grate Inlet
 - Guy Wire Anchor
 - Light Pole, Single
 - Manhole Telephone
 - Manhole Undefined
 - Pipe Inlet/Outlet
 - Post
 - Pull Box Cable TV
 - Pull Box Electrical
 - Pull Box Irrigation
 - Pull Box Telephone
 - Pull Box Traffic
 - Sidewalk Culvert
 - Sign Board
 - Sign Post
 - Traffic Sensor
 - Traffic Signal w/ Light
 - Tree
 - Tree, Palm
 - Utility Pole, Underground
 - Valve Water
 - Vault Undefined
 - Vent Pipe
 - Yard Light
 - SIGN BOARD
- LINE PATTERN KEY
- Block Wall
 - Building Outline
 - Rail Track
 - Centerline
 - Concrete Wall
 - Edge of Concrete
 - Edge of Asphalt Pavement
 - Fence Chainlink
 - Fence Wrought Iron
 - Flowline
 - Grade Line
 - Guard Rail
 - Hinge Point
 - Property Line
 - Right of Way
- ABBREVIATION
- AC Asphalt Concrete
 - BC Beginning of Curve
 - DWY Driveway
 - CL Centerline
 - CONC Concrete
 - CP Control Point
 - EL Elevation
 - EC End of Curve
 - FL Flowline
 - INV Invert
- AREA PATTERN KEY
- Concrete
 - Gravel
 - Dirt
 - Rip Rap

SEE SHEET 14

APN414-272-04
3101 W SUNFLOWER AVE

APN414-271-02
3800 S FAIRVIEW ST SANTA ANA

GREENVILLE BANNING CHANNEL (D03)

GRAVEL MAINTENANCE ROAD

CP# 530
SET 1" IRON PIPE 3/4" BRASS TAG STAMPED "OCS"
N: 2201247.23'
E: 6056777.20'
EL: 32.96'

15"Ø RCP
INV EL = 27.90'

CP# 531
SET 1" IRON PIPE 3/4" BRASS
TAG STAMPED "OCS"
N: 2200905.76'
E: 6056715.88'
EL: 34.16'

HP LT. = 29.97'
HP RT. = 30.21'
CONC. FL. LT. = 20.31'
CONC. FL. RT. = 20.36'

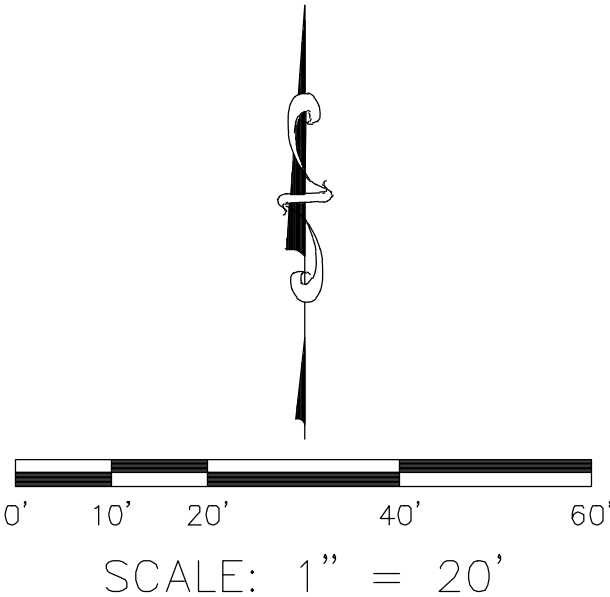
72"Ø RCP
INV EL = 31.15'

72"Ø RCP
INV EL = 31.19'

BEGIN C/L CONSTRUCTION
334+23.76
N: 2200794.29
E: 6056745.17

SIDWALK
CULVERT 72"Ø

SUNFLOWER ST.



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		
GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION		
TOPOGRAPHIC MAP		
PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.		
DATE OF SURVEY: 07/31/2020	BY: J. JOHNS & PARTY	SHEET NO. 13 of 31
MAPPING	BY: H. AFTIM	
OFFICE CHECK	BY: M. KUBISTY, PLS	
FIELD CHECK	BY: J. JOHNS & PARTY	
SCALE: 1" = 20'	W.O. #EF21242	FILE #2012PW-IN0003
FILE: GREENVILLE_BANNING_CHANNEL_TOPO_2020.DWG		

MARK	DATE	ITEM
REVISIONS		

SYMBOL

- LINE PATTERN KEY

- ## ABBREVIATION

- AREA PATTERN KEY

- | | |
|---|----------|
|  | Concrete |
|  | Gravel |
|  | Dirt |
|  | Rip Rap |

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APN 414-271-04

GREENVILLE BANNING CHANNEL (D03)

APN414-272-05
3000 W MACARTHUR BLVD 412 SANTA ANA

CP# 527
SET LEAD & 1-1/4" TAG STAMPED "OCS"
N: 2202013.11'
E: 6056716.16'
EL: 41.94'

FS EL. = 41.59'
SOFFIT EL. = 40.84'

- CONC. STAIRS
- FS EL. = 38.54'
- SOFFIT EL. = 37.96'

- FS EL. = 38.62'
SOFFIT EL. = 38.12'

- CONC.
STAIRS

18"Ø RCP
INV EL = 25.73'

24" ϕ RCP
* INV EL = 23.69'

36"Ø RCP-
INV EL = 26.36'

18"Ø
PALM

CP# 529
SET 1" IRON PIPE 3/4" BRASS TAG STAMPED "OCS"
N: 2201810.25'
E: 6056726.04'
EL: 35.51'

36"Ø RCP
INV EL = 25.48'

APN 414-272-10
3100 LAKE CENTER DR SANTA ANA

APN 414-272-03

APN414-271-02
3800 S FAIRVIEW ST SANTA ANA

APN414-272-04
3101 W SUNFLOWER AVE

Downloaded from <http://ajph.org/> on November 10, 2014



0' 10' 20' 40' 60'

SCALE: 1" = 20'

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				14 of 31
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION				
			TOPOGRAPHIC MAP				
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.				
			DATE OF SURVEY: 07/31/2020		BY: J. JOHNS & PARTY		
			MAPPING		BY: H. AFTIM		
			OFFICE CHECK		BY: M. KUBISTY, PLS		
			FIELD CHECK		BY: J. JOHNS & PARTY		
			SCALE: 1" = 20'		FILE # 2012PW-IN0003		
			FILE: GRFFENVILLIF RANINGE.CHANNL TOPO 2020.DWG				

LEGEND

- SYMBOL
- Benchmark
 - Bush
 - Control Point
 - Drop Inlet
 - Fire Hydrant
 - Gate, Double
 - Gate, Single
 - Grate Inlet
 - Guy Wire Anchor
 - Light Pole, Single
 - Manhole Telephone
 - Manhole Undefined
 - Pipe Inlet/Outlet
 - Post
 - Pull Box Cable TV
 - Pull Box Electrical
 - Pull Box Irrigation
 - Pull Box Telephone
 - Pull Box Traffic
 - Sidewalk Culvert
 - Sign Board
 - Sign Post
 - Traffic Sensor
 - Traffic Signal w/ Light
 - Tree
 - Tree, Palm
 - Utility Pole, Underground
 - Valve Water
 - Vault Undefined
 - Vent Pipe
 - Yard Light
- SIGN BOARD
- LINE PATTERN KEY
- Block Wall
 - Building Outline
 - Rail Track
 - Centerline
 - Concrete Wall
 - Edge of Concrete
 - Edge of Asphalt
 - Pavement
 - Fence Chainlink
 - Fence Wrought Iron
 - Flowline
 - Grade Line
 - Guard Rail
 - Hinge Point
 - Property Line
 - Right of Way
- ABBREVIATION
- AC Asphalt Concrete
 - BC Beginning of Curve
 - DWY Driveway
 - CL Centerline
 - CONC Concrete
 - CP Control Point
 - EL Elevation
 - EC End of Curve
 - FL Flowline
 - INV Invert
- AREA PATTERN KEY
- Concrete
 - Gravel
 - Dirt
 - Rip Rap

SEE SHEET 16

APN414-151-08
3101 W MACARTHUR BLVD SANTA ANA

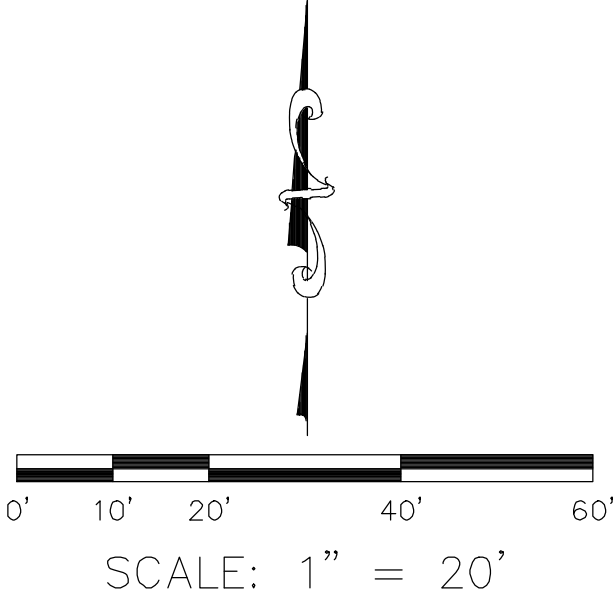
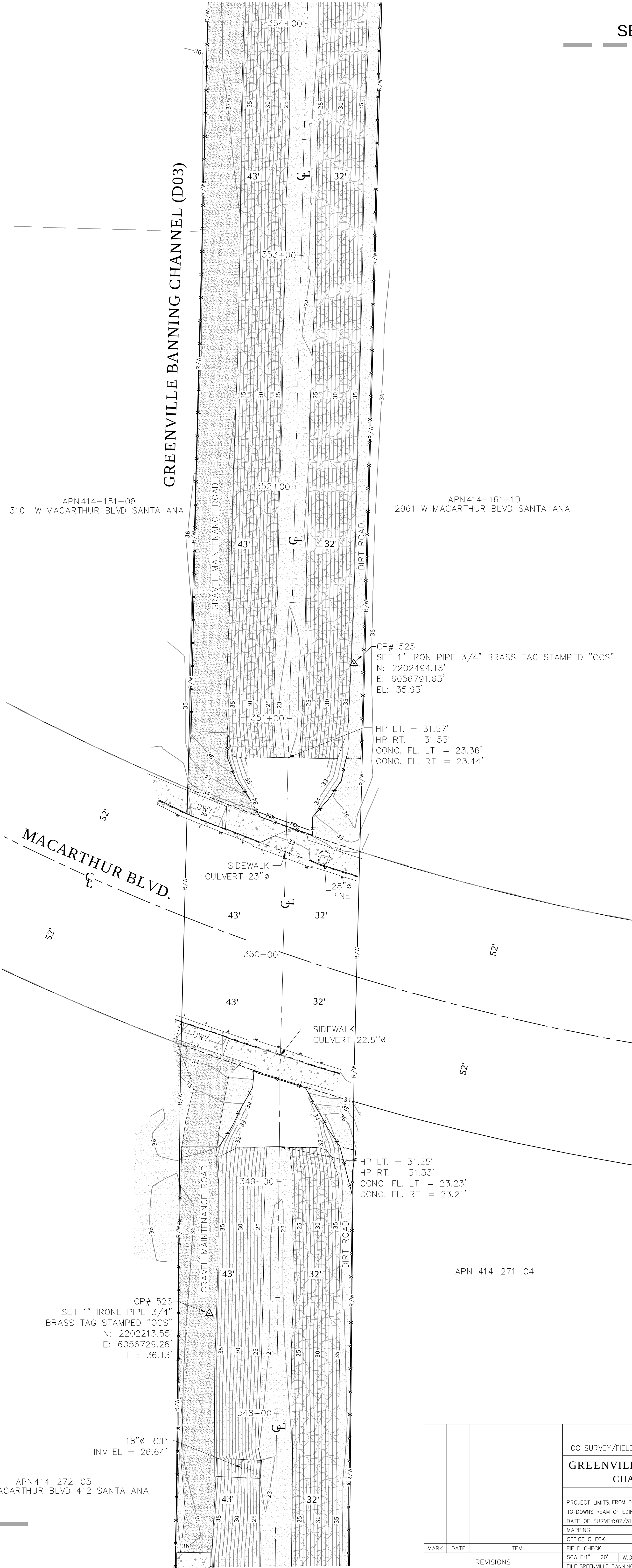
APN414-161-10
2961 W MACARTHUR BLVD SANTA ANA

APN 414-271-04

APN414-272-05
3000 W MACARTHUR BLVD 412 SANTA ANA

SEE SHEET 14

GREENVILLE BANNING CHANNEL (D03)



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				
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION				
			TOPOGRAPHIC MAP				
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.				
			DATE OF SURVEY: 07/31/2020		BY: J. JOHNS & PARTY	SHEET NO. 15 of 31	
			MAPPING		BY: H. AFTIM		
			OFFICE CHECK		BY: M. KUBISTY, PLS		
			FIELD CHECK		BY: J. JOHNS & PARTY		
MARK	DATE	ITEM	REVISIONS		SCALE: 1" = 20' W.O. #EF21242 FILE #2012PW-IN0003		
			FILE: GREENVILLE_BANNING_CHANNEL_TOPO_2020.DWG				

LEGEND

- SYMBOL
- Benchmark
 - Bush
 - Control Point
 - Drop Inlet
 - Fire Hydrant
 - Gate, Double
 - Gate, Single
 - Grate Inlet
 - Guy Wire Anchor
 - Light Pole, Single
 - Manhole Telephone
 - Manhole Undefined
 - Pipe Inlet/Outlet
 - Post
 - Pull Box Cable TV
 - Pull Box Electrical
 - Pull Box Irrigation
 - Pull Box Telephone
 - Pull Box Traffic
 - Sidewalk Culvert
 - Sign Board
 - Sign Post
 - Traffic Sensor
 - Traffic Signal w/ Light
 - Tree
 - Tree, Palm
 - Utility Pole, Underground
 - Valve Water
 - Vault Undefined
 - Vent Pipe
 - Yard Light
 - SIGN BOARD
- LINE PATTERN KEY
- Block Wall
 - Building Outline
 - Rail Track
 - Centerline
 - Concrete Wall
 - Edge of Concrete
 - Edge of Asphalt Pavement
 - Fence Chainlink
 - Fence Wrought Iron
 - Flowline
 - Grade Line
 - Guard Rail
 - Hinge Point
 - Property Line
 - Right of Way
- ABBREVIATION
- AC Asphalt Concrete
 - BC Beginning of Curve
 - DWY Driveway
 - CL Centerline
 - CONC Concrete
 - CP Control Point
 - EL Elevation
 - EC End of Curve
 - FL Flowline
 - INV Invert
- AREA PATTERN KEY
- Concrete
 - Gravel
 - Dirt
 - Rip Rap

SEE SHEET 18

APN414-151-04
3102 ALPINE AVE SANTA ANA

APN414-151-05
3123 ALPINE AVE SANTA ANA

APN414-161-06
3300 S FAIRVIEW ST SANTA ANA

APN414-151-06
3117 ALPINE AVE SANTA ANA

APN414-151-07
3105 ALPINE AVE SANTA ANA

GREENVILLE BANNING CHANNEL (D03)

CONC. CURB

CONC. CURB

CONC. CURB

CP# 524
SET 1" IRON PIPE 3/4"
BRASS TAG STAMPED "OCS"
N: 2203060.37'
E: 6056747.89'
EL: 37.84'

HEADWALL 6"
TW EL=29.65'
18"Ø RCP INV EL=26.53'

HEADWALL 6"W
TW EL=29.03'
18"Ø RCP INV EL=25.89'



0' 10' 20' 40' 60'
SCALE: 1" = 20'

U.S. Survey
Foot

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

SEE SHEET 16

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION			
			TOPOGRAPHIC MAP			
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.			
MARK	DATE	ITEM	DATE OF SURVEY: 07/31/2020		BY: J. JOHNS & PARTY	SHEET NO. 17 of 31
			MAPPING		BY: H. AFTIM	
			OFFICE CHECK		BY: M. KUBISTY, PLS	
			FIELD CHECK		BY: J. JOHNS & PARTY	
REVISIONS			SCALE: 1" = 20'	W.O. #EF21242	FILE #2012PW-IN0003	
			FILE: GREENVILLE_BANNING_CHANNEL_TOPO_2020.DWG			

LEGEND

SYMBOL

- Benchmark
- Bush
- Control Point
- Drop Inlet
- Fire Hydrant
- Gate, Double
- Gate, Single
- Grate Inlet
- Guy Wire Anchor
- Light Pole, Single
- Manhole Telephone
- Manhole Undefined
- Pipe Inlet/Outlet
- Post
- Pull Box Cable TV
- Pull Box Electrical
- Pull Box Irrigation
- Pull Box Telephone
- Pull Box Traffic
- Sidewalk Culvert
- Sign Board
- Sign Post
- Traffic Sensor
- Traffic Signal w/ Light
- Tree
- Tree, Palm
- Utility Pole, Underground
- Valve Water
- Vault Undefined
- Vent Pipe
- Yard Light
- SIGN BOARD

LINE PATTERN KEY

- Block Wall
- Building Outline
- Rail Track
- Centerline
- Concrete Wall
- Edge of Concrete
- Edge of Asphalt Pavement
- Fence Chainlink
- Fence Wrought Iron
- Flowline
- Grade Line
- Guard Rail
- Hinge Point
- Property Line
- Right of Way

ABBREVIATION

- AC Asphalt Concrete
- BC Beginning of Curve
- DWY Driveway
- CL Centerline
- CONC Concrete
- CP Control Point
- EL Elevation
- EC End of Curve
- FL Flowline
- INV Invert

AREA PATTERN KEY

- Concrete
- Gravel
- Dirt
- Rip Rap

SEE SHEET 19

APN 414-192-12
3130 S FAIRVIEW ST SANTA ANA

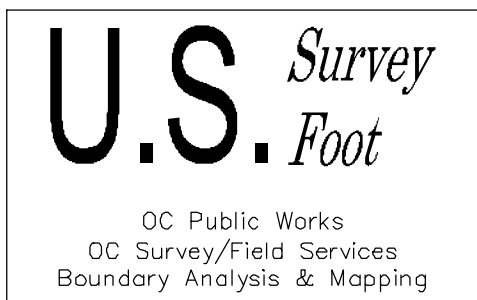
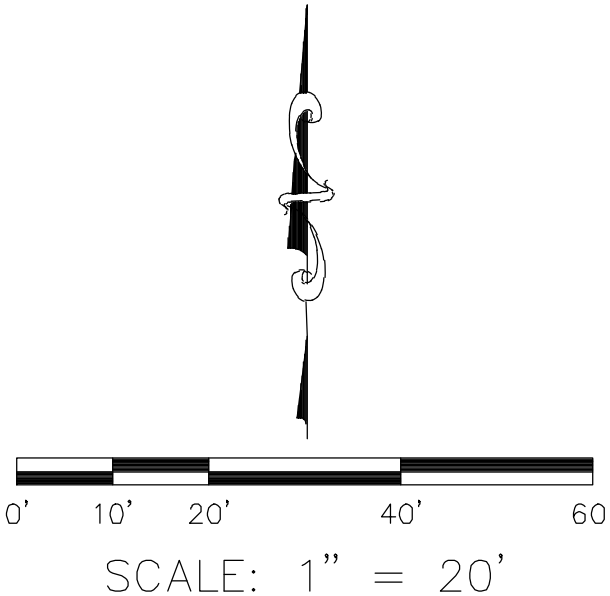
APN 414-192-11
3220 S FAIRVIEW ST SANTA ANA

APN 414-242-01
3201 S SUSAN ST SANTA ANA

ALTON AVE.

APN 414-161-05
3232 S FAIRVIEW ST SANTA ANA

APN 414-171-64
3204 S ALTON CT



SEE SHEET 17

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION			
			TOPOGRAPHIC MAP			
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.			
			DATE OF SURVEY: 07/31/2020		BY: J. JOHNS & PARTY	SHEET NO. 18 of 31
			MAPPING		BY: H. AFTIM	
			OFFICE CHECK		BY: M. KUBISTY, PLS	
			FIELD CHECK		BY: J. JOHNS & PARTY	
MARK	DATE	ITEM	SCALE: 1" = 20'		W.O. #EF21242	FILE #2012PW-IN0003
		REVISIONS	FILE: GREENVILLE_BANNING_CHANNEL_TOPO_2020.DWG			

LEGEND

SYMBOL

- Benchmark
- Bush
- Control Point
- Drop Inlet
- Fire Hydrant
- Gate, Double
- Gate, Single
- Grate Inlet
- Guy Wire Anchor
- Light Pole, Single
- Manhole Telephone
- Manhole Undefined
- Pipe Inlet/Outlet
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- Pull Box Cable TV
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- Pull Box Telephone
- Pull Box Traffic
- Sidewalk Culvert
- Sign Board
- Sign Post
- Traffic Sensor
- Traffic Signal w/ Light
- Tree
- Tree, Palm
- Utility Pole, Underground
- Valve Water
- Vault Undefined
- Vent Pipe
- Yard Light

SIGN BOARD

LINE PATTERN KEY

- Block Wall
- Building Outline
- Rail Track
- Centerline
- Concrete Wall
- Edge of Concrete
- Edge of Asphalt Pavement
- Fence Chainlink
- Fence Wrought Iron
- Flowline
- Grade Line
- Guard Rail
- Hinge Point
- P/L Property Line
- R/W Right of Way

ABBREVIATION

- AC Asphalt Concrete
- BC Beginning of Curve
- DWY Driveway
- CL Centerline
- CONC Concrete
- CP Control Point
- EL Elevation
- EC End of Curve
- FL Flowline
- INV Invert

AREA PATTERN KEY

- Concrete
- Gravel
- Dirt
- Rip Rap

SEE SHEET 20

GREENVILLE BANNING CHANNEL (D03)

CP# 521
SET 1" IRON PIPE 3/4"
BRASS TAG STAMPED "OCS"
N: 2204470.07'
E: 6056773.99'
EL: 40.43'

HEADWALL 6"W
TW RT EL=33.11'
TW LT EL=35.14'
60"Ø RCP INV EL=27.19'

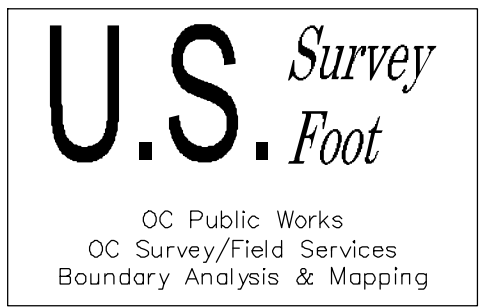
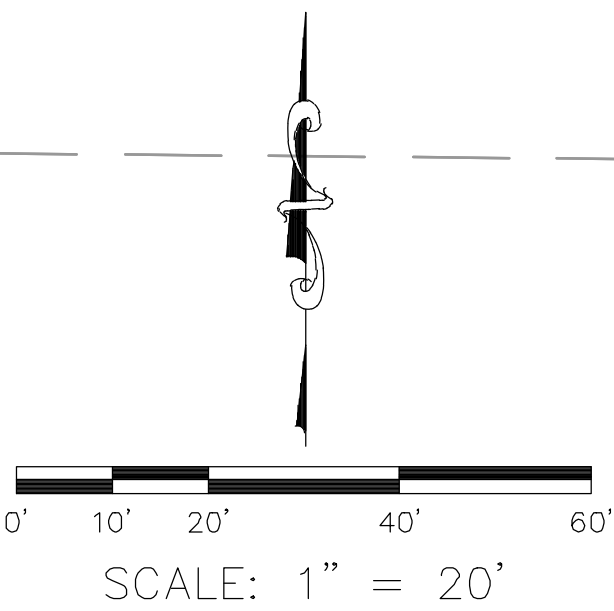
APN414-192-06
2911 W GARRY AVE SANTA ANA

18"Ø RCP
INV EL = 36.45'

APN414-192-07
2910 W GARRY AVE SANTA ANA

APN414-242-01
3201 S SUSAN ST SANTA ANA

SEE SHEET 18



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION			
			TOPOGRAPHIC MAP			
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.			
MARK	DATE	ITEM	DATE OF SURVEY: 07/31/2020		BY: J. JOHNS & PARTY	SHEET NO. 19 of 31
			MAPPING		BY: H. AFTIM	
			OFFICE CHECK		BY: M. KUBISTY, PLS	
			FIELD CHECK		BY: J. JOHNS & PARTY	
REVISIONS			SCALE: 1" = 20'	W.O. #EF21242	FILE #2012PW-IN0003	
			FILE: GREENVILLE_BANNING_CHANNEL_TOPO_2020.DWG			

LEGEND

SYMBOL

Benchmark

Bush

Control Point

Drop Inlet

Fire Hydrant

Gate, Double

Gate, Single

Grate Inlet

Guy Wire Anchor

Light Pole, Single

Manhole Telephone

Manhole Undefined

Pipe Inlet/Outlet

Post

Pull Box Cable TV

Pull Box Electrical

Pull Box Irrigation

Pull Box Telephone

Pull Box Traffic

Sidewalk Culvert

Sign Board

Sign Post

Traffic Sensor

Traffic Signal w/ Light

Tree

Tree, Palm

Utility Pole, Underground

Valve Water

Vault Undefined

Vent Pipe

Yard Light

SIGN BOARD

LINE PATTERN KEY

Block Wall

Building Outline

Rail Track

Centerline

Concrete Wall

Edge of Concrete

Edge of Asphalt Pavement

Fence Chainlink

Fence Wrought Iron

Flowline

Grade Line

Guard Rail

Hinge Point

Property Line

Right of Way

ABBREVIATION

AC

Asphalt Concrete

BC

Beginning of Curve

DWY

Driveway

CL

Centerline

CONC

Concrete

CP

Control Point

EL

Elevation

EC

End of Curve

FL

Flowline

INV

Invert

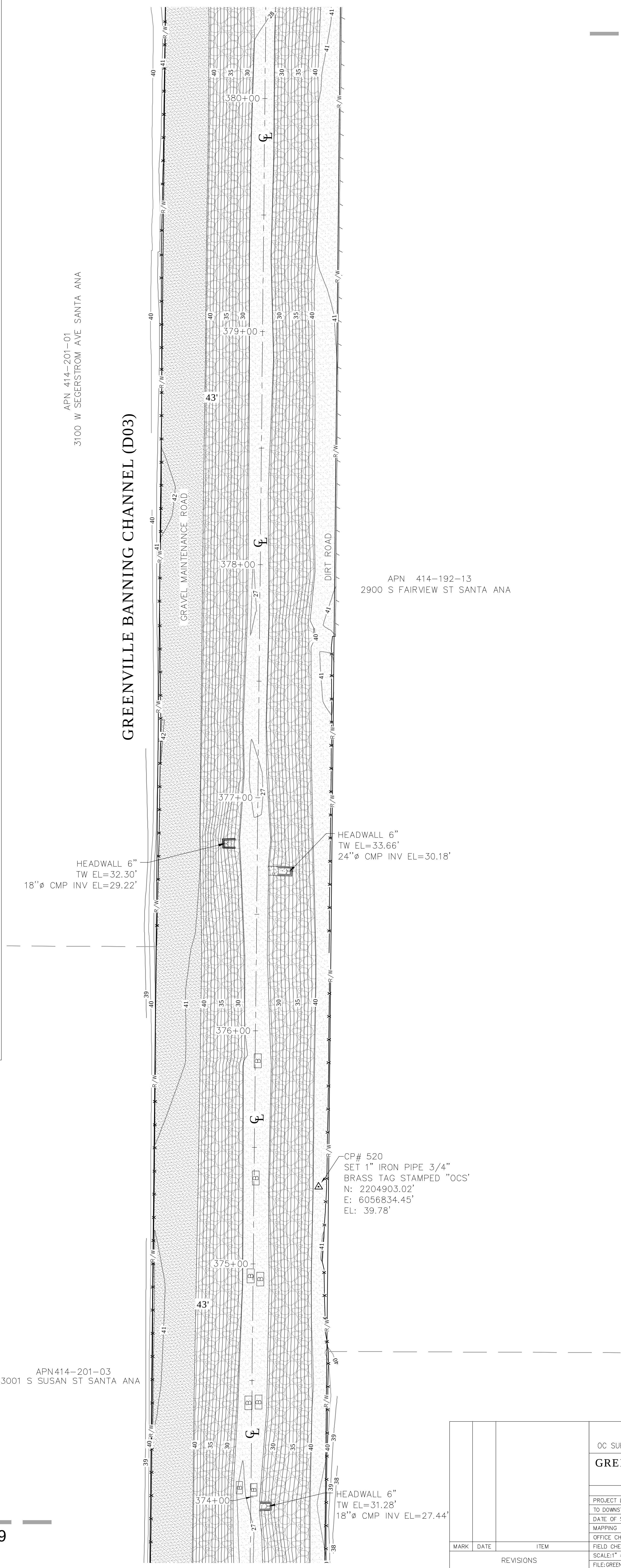
AREA PATTERN KEY

Concrete

Gravel

Dirt

Rip Rap



SEE SHEET 21

0' 10' 20' 40' 60'

SCALE: 1" = 20'

U.S. Survey Foot

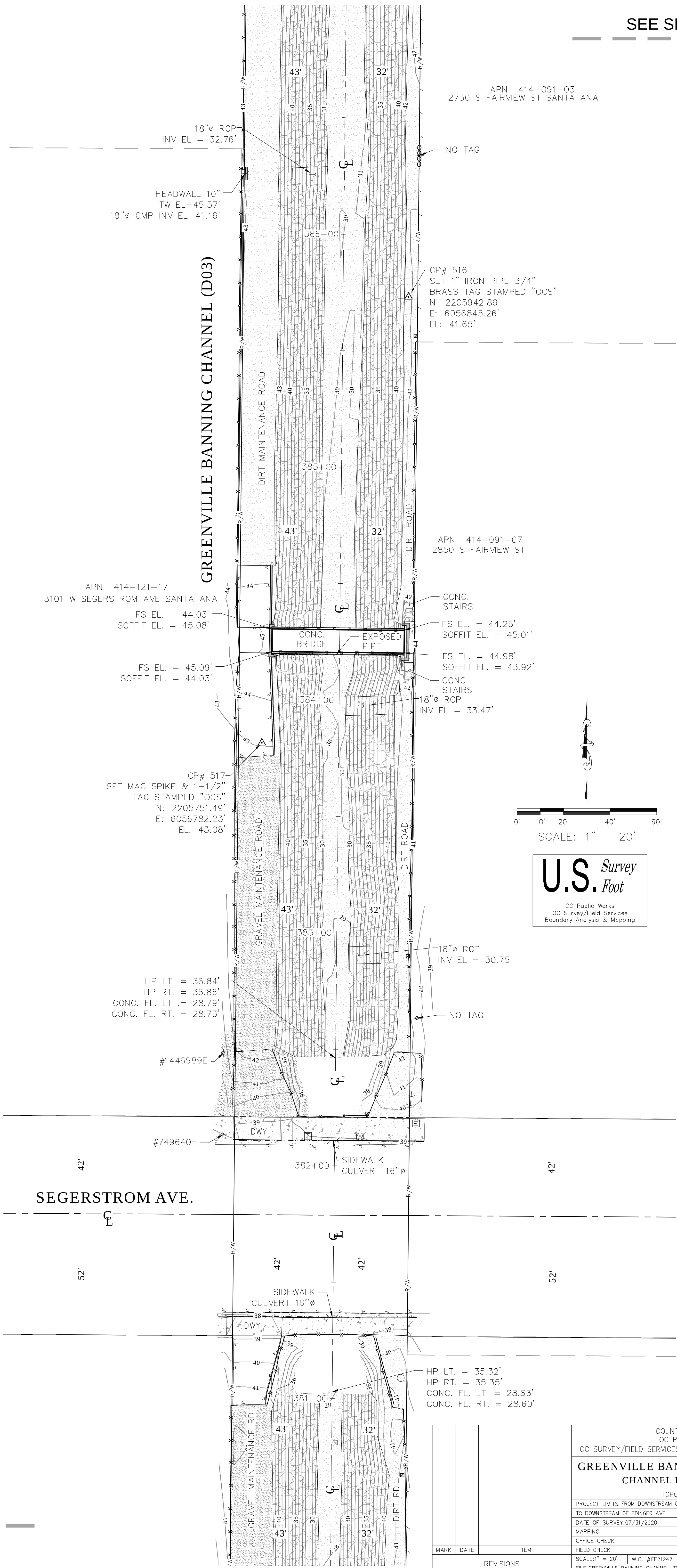
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION			
			TOPOGRAPHIC MAP			
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.			
			DATE OF SURVEY: 07/31/2020	BY: J. JOHNS & PARTY	SHEET NO. 20 of 31	
			MAPPING	BY: H. AFTIM		
			OFFICE CHECK	BY: M. KUBISTY, PLS		
			FIELD CHECK	BY: J. JOHNS & PARTY		
MARK	DATE	ITEM	SCALE: 1" = 20'	W.O. #EF21242	FILE #2012PW-IN0003	
REVISIONS			FILE: GREENVILLE_BANNING_CHANNEL_TOPO_2020.DWG			

SYMBOL	
	Benchmark
	Bush
	Control Point
	Drop Inlet
	Fire Hydrant
	Gate, Double
	Gate, Single
	Grate Inlet
	Guy Wire Anchor
	Light Pole, Single
	Manhole Telephone
	Manhole Undefined
	Pipe Inlet/Outlet
	Post
	Pull Box Cable TV
	Pull Box Electrical
	Pull Box Irrigation
	Pull Box Telephone
	Pull Box Traffic
	Sidewalk Culvert
	Sign Board
	Sign Post
	Traffic Sensor
	Traffic Signal w/ Light
	Tree
	Tree, Palm
	Utility Pole, Underground
	Valve Water
	Vault Undefined
	Vent Pipe
	Yard Light
	SIGN BOARD

LINE PATTERN KEY	
	Block Wall
	Building Outline
	Rail Track
	Centerline
	Concrete Wall
	Edge of Concrete
	Edge of Asphalt Pavement
	Fence Chainlink
	Fence Wrought Iron
	Flowline
	Grade Line
	Guard Rail
	Hinge Point
	Property Line
	Right of Way

APN 414-091-03
2730 S FAIRVIEW ST SANTA ANA



SEE SHEET 20

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION			
			TOPOGRAPHIC MAP			
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.			
			DATE OF SURVEY: 07/31/2020	BY: J. JOHNS & PARTY	SHEET NO. 21 of 31	
			MAPPING	BY: H. AFTIM		
			OFFICE CHECK	BY: M. KUBISTY, PLS		
			FIELD CHECK	BY: J. JOHNS & PARTY		
MARK	DATE	ITEM	SCALE: 1" = 20'	W.O. #EF21242	FILE #2012PW-IN0003	
		REVISIONS	FILE: GREENVILLE BANNING_CHANNEL_TOPO_2020.DWG			

LEGEND

SYMBOL

- Benchmark
- Bush
- Control Point
- Drop Inlet
- Fire Hydrant
- Gate, Double
- Gate, Single
- Grate Inlet
- Guy Wire Anchor
- Light Pole, Single
- Manhole Telephone
- Manhole Undefined
- Pipe Inlet/Outlet
- Post
- Pull Box Cable TV
- Pull Box Electrical
- Pull Box Irrigation
- Pull Box Telephone
- Pull Box Traffic
- Sidewalk Culvert
- Sign Board
- Sign Post
- Traffic Sensor
- Traffic Signal w/ Light
- Tree
- Tree, Palm
- Utility Pole, Underground
- Valve Water
- Vault Undefined
- Vent Pipe
- Yard Light
- SIGN BOARD

LINE PATTERN KEY

- Block Wall
- Building Outline
- Rail Track
- Centerline
- Concrete Wall
- Edge of Concrete
- Edge of Asphalt Pavement
- Fence Chainlink
- Fence Wrought Iron
- Flowline
- Grade Line
- Guard Rail
- Hinge Point
- Property Line
- Right of Way

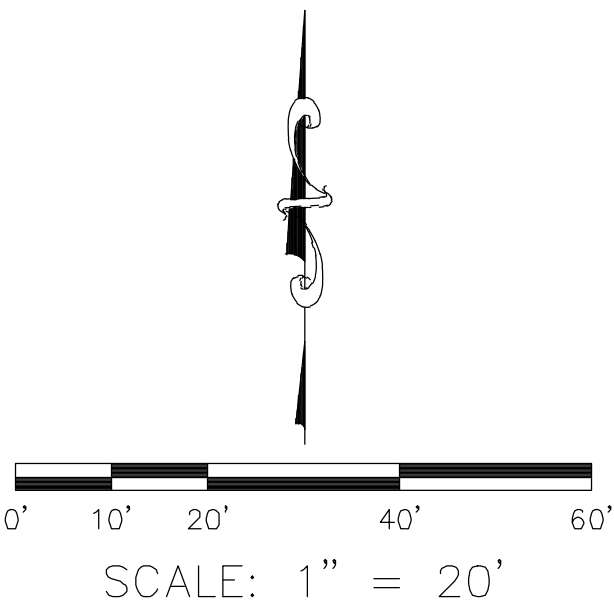
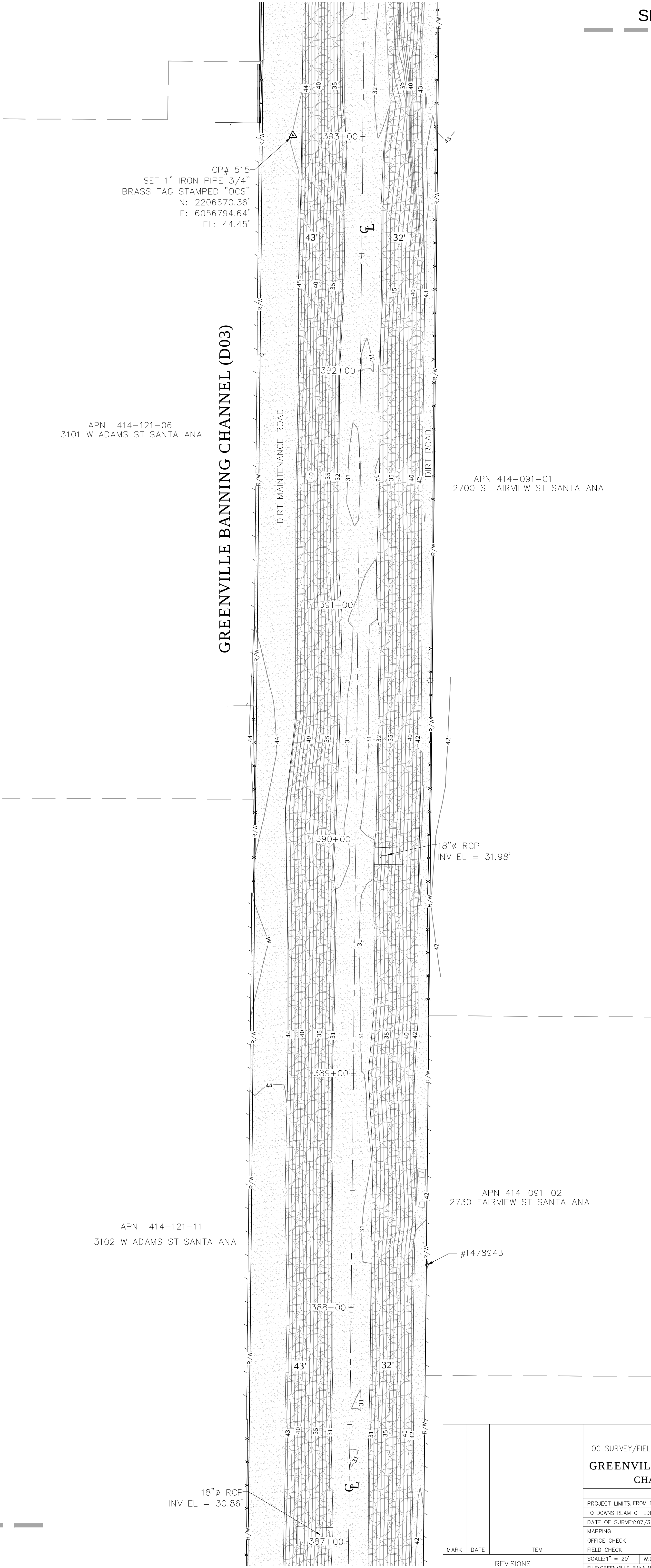
ABBREVIATION

- AC Asphalt Concrete
- BC Beginning of Curve
- DWY Driveway
- CL Centerline
- CONC Concrete
- CP Control Point
- EL Elevation
- EC End of Curve
- FL Flowline
- INV Invert

AREA PATTERN KEY

- Concrete
- Gravel
- Dirt
- Rip Rap

SEE SHEET 23



U.S. Survey Foot

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

SEE SHEET 21

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION			
			TOPOGRAPHIC MAP			
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.			
			DATE OF SURVEY: 07/31/2020		BY: J. JOHNS & PARTY	SHEET NO. 22 of 31
			MAPPING		BY: H. AFTIM	
			OFFICE CHECK		BY: M. KUBISTY, PLS	
			FIELD CHECK		BY: J. JOHNS & PARTY	
MARK	DATE	ITEM	SCALE: 1" = 20'		W.O. #EF21242	FILE #2012PW-IN0003
REVISIONS			FILE: GREENVILLE_BANNING_CHANNEL_TOPO_2020.DWG			

SYMBOL

- | | |
|--|---------------------------|
| | Benchmark |
| | Bush |
| | Control Point |
| | Drop Inlet |
| | Fire Hydrant |
| | Gate, Double |
| | Gate, Single |
| | Grate Inlet |
| | Guy Wire Anchor |
| | Light Pole, Single |
| | Manhole Telephone |
| | Manhole Undefined |
| | Pipe Inlet/Outlet |
| | Post |
| | Pull Box Cable TV |
| | Pull Box Electrical |
| | Pull Box Irrigation |
| | Pull Box Telephone |
| | Pull Box Traffic |
| | Sidewalk Culvert |
| | Sign Board |
| | Sign Post |
| | Traffic Sensor |
| | Traffic Signal w/ Light |
| | Tree |
| | Tree, Palm |
| | Utility Pole, Underground |
| | Valve Water |
| | Vault Undefined |
| | Vent Pipe |
| | Yard Light |
| | SIGN BOARD |

LINE PATTERN KEY

- | | |
|--|--------------------------|
| | Block Wall |
| | Building Outline |
| | Rail Track |
| | Centerline |
| | Concrete Wall |
| | Edge of Concrete |
| | Edge of Asphalt Pavement |
| | Fence Chainlink |
| | Fence Wrought Iron |
| | Flowline |
| | Grade Line |
| | Guard Rail |
| | Hinge Point |
| | Property Line |
| | Right of Way |

ABBREVIATION

- | | |
|------|--------------------|
| AC | Asphalt Concrete |
| BC | Beginning of Curve |
| DWY | Driveway |
| CL | Centerline |
| CONC | Concrete |
| CP | Control Point |
| EL | Elevation |
| EC | End of Curve |
| FL | Flowline |
| INV | Invert |

AREA PATTERN KEY

- | | |
|---|----------|
|  | Concrete |
|  | Gravel |
|  | Dirt |
|  | Rip Rap |

APN 414-111-33

APN 414-111-14
3111 W CENTRAL AVE SANTA ANA

APN 414-111-15
3103 W CENTRAL AVE SANTA ANA

APN 414-111-39
3100 W CENTRAL AVE SANTA ANA

APN 414-101-05
2500 S FAIRVIEW ST SANTA ANA

EXPOSED STEEL PIPE

10" ϕ
 12" ϕ CMP
 INV EL = 41.86'

APN 414-101-08
2931 CENTRAL AVE SANTA ANA

18"Ø RCP
INV EL = 32.57'

18" ϕ RCP
INV EL = 34.35'

HEADWALL 8"
TW EL=45.56'
18" ϕ INV EL=43.70'

6'

18" ϕ RCP
INV EL = 33.17'

APN 414-101-09
2950 W CENTRAL AVE SANTA ANA

SEE SHEET 24



SCALE: 1" = 20'

U.S. Survey Foot

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

SEE SHEET 22

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION			
			TOPOGRAPHIC MAP			
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.			
			DATE OF SURVEY: 07/31/2020	BY: J. JOHNS & PARTY	SHEET NO. 23 of 31	
			MAPPING	BY: H. AFTIM		
			OFFICE CHECK	BY: M. KUBISTY, PLS		
			FIELD CHECK	BY: J. JOHNS & PARTY		
MARK	DATE	ITEM	SCALE: 1" = 20'	W.O. #EF21242	FILE #0121PW-IN0003	
REVISIONS			FILE: GREENVILLE_BANNING_CHANNEL_TOPO_2020.DWG			

LEGEND

SYMBOL

- Benchmark
- Bush
- Control Point
- Drop Inlet
- Fire Hydrant
- Gate, Double
- Gate, Single
- Grate Inlet
- Guy Wire Anchor
- Light Pole, Single
- Manhole Telephone
- Manhole Undefined
- Pipe Inlet/Outlet
- Post
- Pull Box Cable TV
- Pull Box Electrical
- Pull Box Irrigation
- Pull Box Telephone
- Pull Box Traffic
- Sidewalk Culvert
- Sign Board
- Sign Post
- Traffic Sensor
- Traffic Signal w/ Light
- Tree
- Tree, Palm
- Utility Pole, Underground
- Valve Water
- Vault Undefined
- Vent Pipe
- Yard Light

SIGN BOARD

LINE PATTERN KEY

- Block Wall
- Building Outline
- Rail Track
- Centerline
- Concrete Wall
- Edge of Concrete
- Edge of Asphalt Pavement
- Fence Chainlink
- Fence Wrought Iron
- Flowline
- Grade Line
- Guard Rail
- Hinge Point
- Property Line
- Right of Way

ABBREVIATION

- AC Asphalt Concrete
- BC Beginning of Curve
- DWY Driveway
- CL Centerline
- CONC Concrete
- CP Control Point
- EL Elevation
- EC End of Curve
- FL Flowline
- INV Invert

AREA PATTERN KEY

- Concrete
- Gravel
- Dirt
- Rip Rap

SEE SHEET 25

APN 408-203-03
3115 W WARNER AVE SANTA ANA

APN 408-011-04
3011 W WARNER AVE

HP LT. = 45.39'
HP RT. = 45.49'
CONC. FL. LT. = 36.37'
CONC. FL. RT. = 36.31'

SIDEWALK
CULVERT 16.7"ø

WARNER AVENUE

HP LT. = 39.14'
HP RT. = 39.14'
CONC. FL. LT. = 34.21'
CONC. FL. RT. = 34.30'

CP# 513
SET 1" IRON PIPE 3/4"
BRASS TAG STAMPED "OCS"
N: 2207739.53'
E: 6056803.54'
EL: 46.04'

GREENVILLE BANNING CHANNEL (D03)

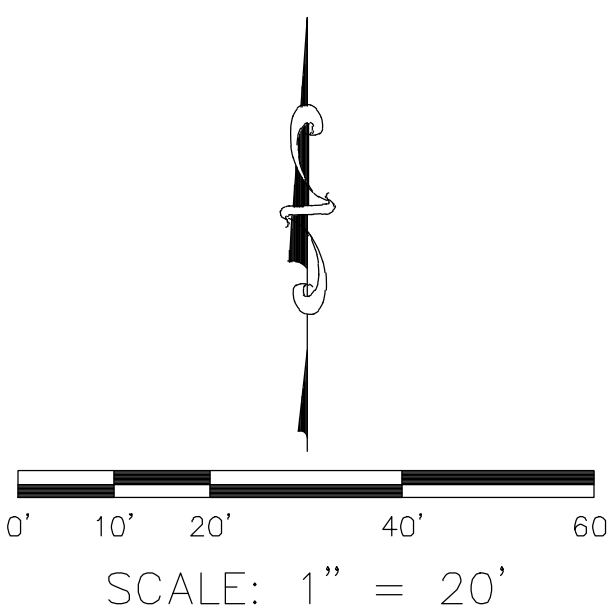
APN 414-111-21
3100 W WARNER AVE 1 SANTA ANA

APN 414-101-13
3030 W WARNER AVE SANTA ANA

APN 414-101-05

SEE SHEET 23

APN 414-111-33



U.S. Survey
Foot

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

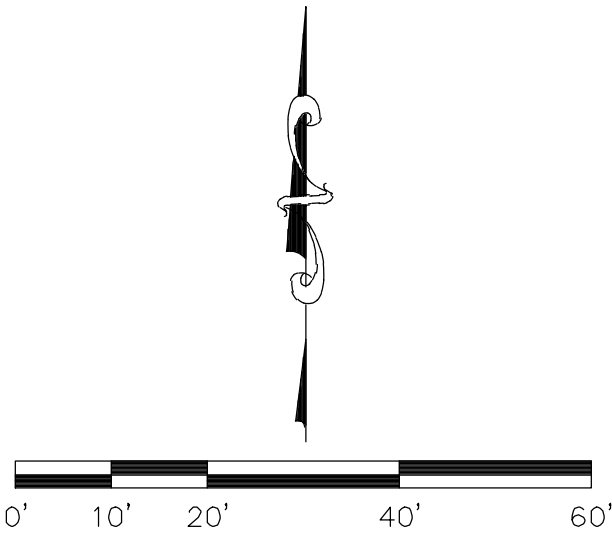
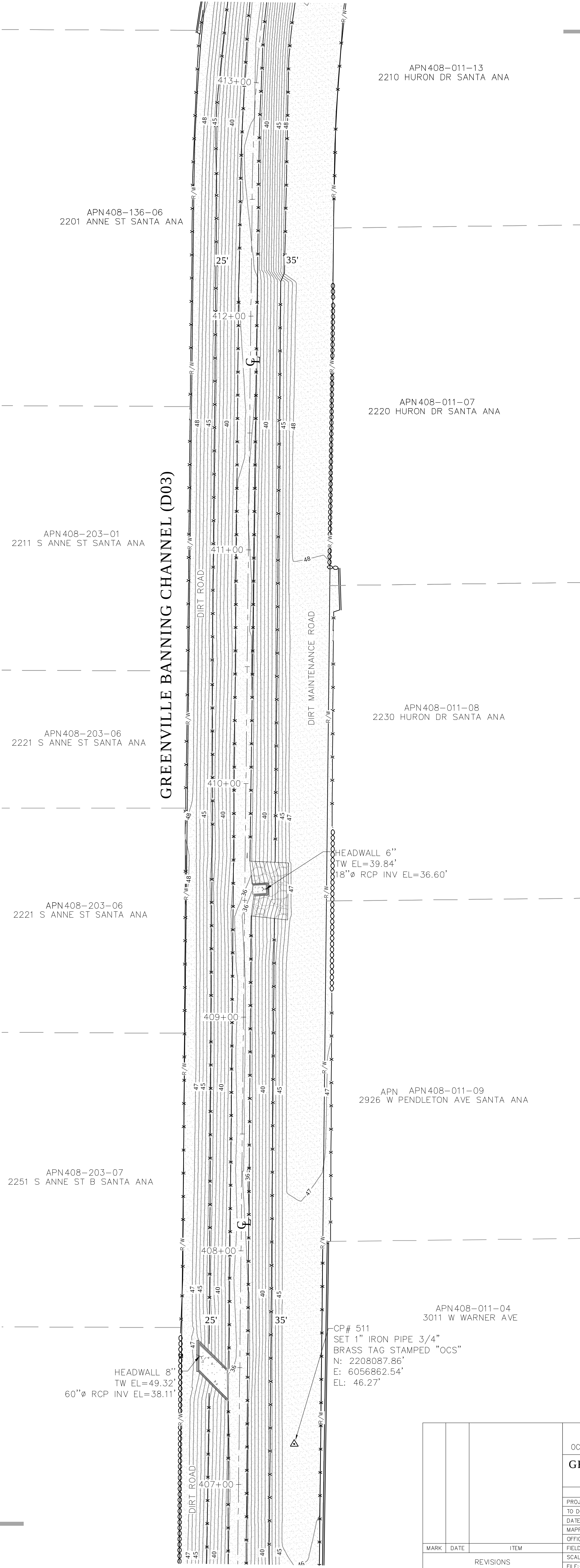
COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION		
TOPOGRAPHIC MAP		
PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.		
DATE OF SURVEY: 07/31/2020 MAPPING OFFICE CHECK FIELD CHECK SCALE: 1" = 20' FILE: GREENVILLE_BANNING_CHANNEL_TOPO_2020.DWG	BY: J. JOHNS & PARTY BY: H. AFTIM BY: M. KUBISTY, PLS BY: J. JOHNS & PARTY W.O. #EF21242 FILE #2012PW-IN0003	SHEET NO. 24 of 31

MARK	DATE	ITEM
REVISIONS		

LEGEND

- SYMBOL
- Benchmark
 - Bush
 - Control Point
 - Drop Inlet
 - Fire Hydrant
 - Gate, Double
 - Gate, Single
 - Grate Inlet
 - Guy Wire Anchor
 - Light Pole, Single
 - Manhole Telephone
 - Manhole Undefined
 - Pipe Inlet/Outlet
 - Post
 - Pull Box Cable TV
 - Pull Box Electrical
 - Pull Box Irrigation
 - Pull Box Telephone
 - Pull Box Traffic
 - Sidewalk Culvert
 - Sign Board
 - Sign Post
 - Traffic Sensor
 - Traffic Signal w/ Light
 - Tree
 - Tree, Palm
 - Utility Pole, Underground
 - Valve Water
 - Vault Undefined
 - Vent Pipe
 - Yard Light
 - SIGN BOARD
- LINE PATTERN KEY
- Block Wall
 - Building Outline
 - Rail Track
 - Centerline
 - Concrete Wall
 - Edge of Concrete
 - Edge of Asphalt Pavement
 - Fence Chainlink
 - Fence Wrought Iron
 - Flowline
 - Grade Line
 - Guard Rail
 - Hinge Point
 - Property Line
 - Right of Way
- ABBREVIATION
- AC Asphalt Concrete
 - BC Beginning of Curve
 - DWY Driveway
 - CL Centerline
 - CONC Concrete
 - CP Control Point
 - EL Elevation
 - EC End of Curve
 - FL Flowline
 - INV Invert
- AREA PATTERN KEY
- Concrete
 - Gravel
 - Dirt
 - Rip Rap

SEE SHEET 26

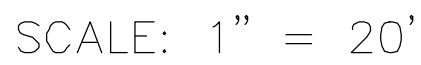


U.S. Survey Foot

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

SEE SHEET 24

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION			
			TOPOGRAPHIC MAP			
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.			
			DATE OF SURVEY: 07/31/2020		BY: J. JOHNS & PARTY	
			MAPPING		BY: H. AFTIM	
			OFFICE CHECK		BY: M. KUBISTY, PLS	
			FIELD CHECK		BY: J. JOHNS & PARTY	
MARK	DATE	ITEM	SCALE: 1" = 20'		W.O. #EF21242	FILE #2012PW-IN0003
REVISIONS			FILE: G:\GREENVILLE BANNING CHANNEL\ TOPO 2020.DWG			
			SHEET NO. 25 of 31			



APN 408-136-01
2031 ANNE ST SANTA ANA

APN 408-136-02
2100 ANNE ST SANTA ANA

* APN408-011-01
2100 S FAIRVIEW ST SANTA ANA

CP# 509
SET LEAD & 1-1/4"
TAG STAMPED "OCS"
N: 2209114.78'
E: 6056990.57'
EL: 51.80'

APN408-136-03
2111 ANNE ST SANTA ANA

APN 408-136-04
2117 ANNE ST SANTA ANA

APN 408-011-14
2202 HURON DR SANTA ANA

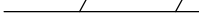
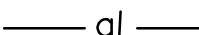
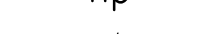
-CP# 510
 SET 1" IRON PIPE 3/4"
 BRASS TAG STAMPED "OCS"
 N: 2208713.04'
 E: 6056871.53'
 EL: 48.95'

SYMBOL

- | | |
|---|---------------------------|
|  | Benchmark |
|  | Bush |
|  | Control Point |
|  | Drop Inlet |
|  | Fire Hydrant |
|  | Gate, Double |
|  | Gate, Single |
|  | Grate Inlet |
|  | Guy Wire Anchor |
|  | Light Pole, Single |
|  | Manhole Telephone |
|  | Manhole Undefined |
|  | Pipe Inlet/Outlet |
|  | Post |
|  | Pull Box Cable TV |
|  | Pull Box Electrical |
|  | Pull Box Irrigation |
|  | Pull Box Telephone |
|  | Pull Box Traffic |
|  | Sidewalk Culvert |
|  | Sign Board |
|  | Sign Post |
|  | Traffic Sensor |
|  | Traffic Signal w/ Light |
|  | Tree |
|  | Tree, Palm |
|  | Utility Pole, Underground |
|  | Valve Water |
|  | Vault Undefined |
|  | Vent Pipe |
|  | Yard Light |

B SIGN BOARD

LINE PATTERN KEY

- | | |
|---|--------------------------|
|  | Block Wall |
|  | Building Outline |
|  | Rail Track |
|  | Centerline |
|  | Concrete Wall |
|  | Edge of Concrete |
|  | Edge of Asphalt Pavement |
|  | Fence Chainlink |
|  | Fence Wrought Iron |
|  | Flowline |
|  | Grade Line |
|  | Guard Rail |
|  | Hinge Point |
|  | Property Line |
|  | Right of Way |

ABBREVIATION

- | | |
|------|--------------------|
| AC | Asphalt Concrete |
| BC | Beginning of Curve |
| DWY | Driveway |
| CL | Centerline |
| CONC | Concrete |
| CP | Control Point |
| EL | Elevation |
| EC | End of Curve |
| FL | Flowline |
| INV | Invert |

AREA PATTERN KEY

- | | |
|---|----------|
|  | Concrete |
|  | Gravel |
|  | Dirt |
|  | Rip Rap |

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION			
			TOPOGRAPHIC MAP			
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE.			
			TO DOWNSTREAM OF EDINGER AVE.			
			DATE OF SURVEY: 07/31/2020	BY: J. JOHNS & PARTY		SHEET NO. 26 of 31
			MAPPING	BY: H. AFTIM		
			OFFICE CHECK	BY: M. KUBISTY, PLS		
			FIELD CHECK	BY: J. JOHNS & PARTY		
MARK	DATE	ITEM	SCALE: 1" = 20'		W.O. #EF21242	FILE #2012PW-IN0003
REVISIONS			FILE: GREENVILLE BANNING CHANNEL TOPO 2020.DWG			

LEGEND

- SYMBOL
- Benchmark
 - Bush
 - Control Point
 - Drop Inlet
 - Fire Hydrant
 - Gate, Double
 - Gate, Single
 - Grate Inlet
 - Guy Wire Anchor
 - Light Pole, Single
 - Manhole Telephone
 - Manhole Undefined
 - Pipe Inlet/Outlet
 - Post
 - Pull Box Cable TV
 - Pull Box Electrical
 - Pull Box Irrigation
 - Pull Box Telephone
 - Pull Box Traffic
 - Sidewalk Culvert
 - Sign Board
 - Sign Post
 - Traffic Sensor
 - Traffic Signal w/ Light
 - Tree
 - Tree, Palm
 - Utility Pole, Underground
 - Valve Water
 - Vault Undefined
 - Vent Pipe
 - Yard Light
- SIGN BOARD

LINE PATTERN KEY

- Block Wall
- Building Outline
- Rail Track
- Centerline
- Concrete Wall
- Edge of Concrete
- Edge of Asphalt Pavement
- Fence Chainlink
- Fence Wrought Iron
- Flowline
- Grade Line
- Guard Rail
- Hinge Point
- Property Line
- Right of Way

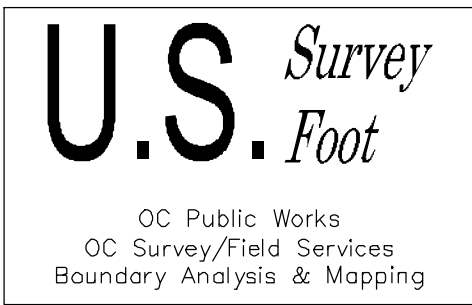
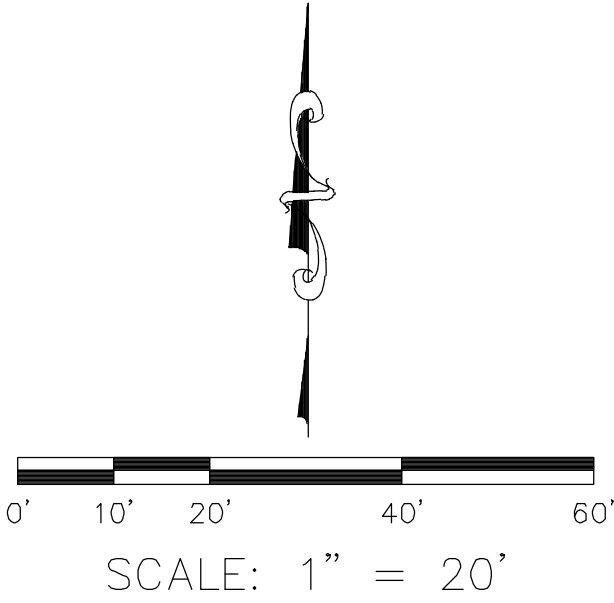
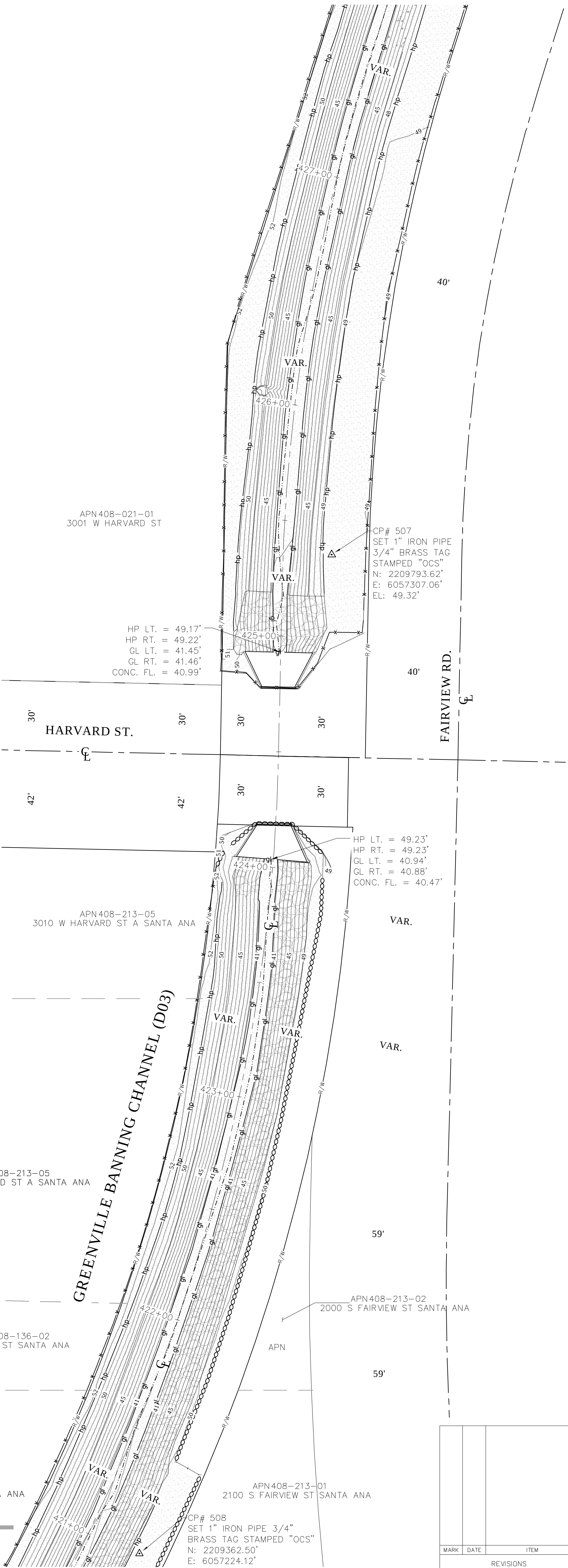
ABBREVIATION

- AC Asphalt Concrete
- BC Beginning of Curve
- DWY Driveway
- CL Centerline
- CONC Concrete
- CP Control Point
- EL Elevation
- EC End of Curve
- FL Flowline
- INV Invert

AREA PATTERN KEY

- Concrete
- Gravel
- Dirt
- Rip Rap

SEE SHEET 28



SEE SHEET 26

		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION	
		TOPOGRAPHIC MAP	
		PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE.	
		TO DOWNSTREAM OF EDINGER AVE.	
		DATE OF SURVEY: 07/31/2020	BY: J. JOHNS & PARTY
		MAPPING	BY: H. AFTIM
		OFFICE CHECK	BY: M. KUBISTY, PLS
		FIELD CHECK	BY: J. JOHNS & PARTY
		SCALE: 1" = 20'	W.O. #EF21242
		FILE: #2012PW-IN0003	
		FILE: GREENVILLE_BANNING_CHANNEL_TOPO_2020.DWG	
MARK	DATE	ITEM	
REVISIONS			

SHEET NO.
27
of
31

LEGEND

- SYMBOL
- Benchmark
 - Bush
 - Control Point
 - Drop Inlet
 - Fire Hydrant
 - Gate, Double
 - Gate, Single
 - Grate Inlet
 - Guy Wire Anchor
 - Light Pole, Single
 - Manhole Telephone
 - Manhole Undefined
 - Pipe Inlet/Outlet
 - Post
 - Pull Box Cable TV
 - Pull Box Electrical
 - Pull Box Irrigation
 - Pull Box Telephone
 - Pull Box Traffic
 - Sidewalk Culvert
 - Sign Board
 - Sign Post
 - Traffic Sensor
 - Traffic Signal w/ Light
 - Tree
 - Tree, Palm
 - Utility Pole, Underground
 - Valve Water
 - Vault Undefined
 - Vent Pipe
 - Yard Light
 - SIGN BOARD
- LINE PATTERN KEY
- Block Wall
 - Building Outline
 - Rail Track
 - Centerline
 - Concrete Wall
 - Edge of Concrete
 - Edge of Asphalt Pavement
 - Fence Chainlink
 - Fence Wrought Iron
 - Flowline
 - Grade Line
 - Guard Rail
 - Hinge Point
 - Property Line
 - Right of Way
- ABBREVIATION
- AC Asphalt Concrete
 - BC Beginning of Curve
 - DWY Driveway
 - CL Centerline
 - CONC Concrete
 - CP Control Point
 - EL Elevation
 - EC End of Curve
 - FL Flowline
 - INV Invert
- AREA PATTERN KEY
- Concrete
 - Gravel
 - Dirt
 - Rip Rap

SEE SHEET 29

GREENVILLE BANNING CHANNEL (D03)

FAIRVIEW RD.

APN408-021-01
3001 W HARVARD ST

APN408-101-03
1901 S FAIRVIEW ST SANTA ANA

APN408-101-04
1905 S FAIRVIEW ST SANTA ANA

APN408-101-05
1909 S FAIRVIEW ST SANTA ANA

APN408-101-06
1913 S FAIRVIEW ST SANTA ANA

APN408-101-07
1917 S FAIRVIEW ST SANTA ANA

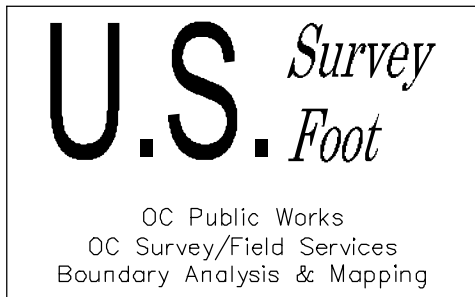
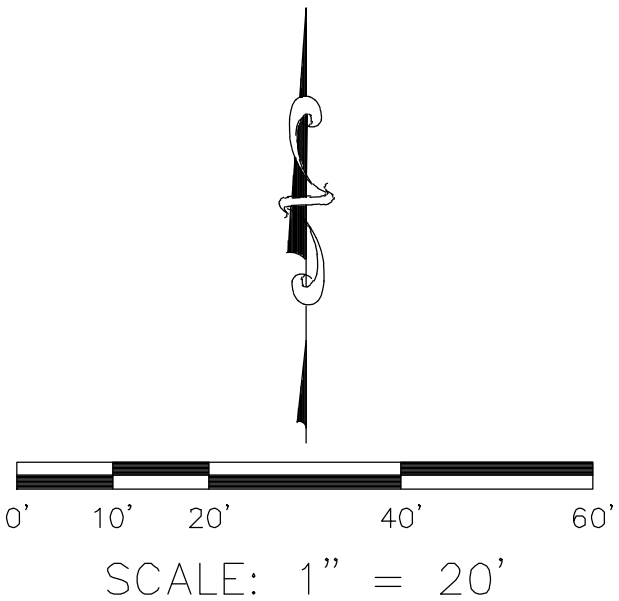
APN408-101-08
1921 S FAIRVIEW ST SANTA ANA

30"ø RCP
INV EL = 43.38'

CP# 506
SET 1" IRON PIPE
3/4" BRASS TAG
STAMPED "OCS"
N: 2210186.90'
E: 6057400.53'
EL: 49.15'

HEADWALL 8"
TW RT EL=47.38'
TW LT EL=47.33,
42"ø RCP INV EL=42.43'

SEE SHEET 27



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION			
			TOPOGRAPHIC MAP			
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.			
			DATE OF SURVEY: 07/31/2020		BY: J. JOHNS & PARTY	SHEET NO. 28 of 31
			MAPPING		BY: H. AFTIM	
			OFFICE CHECK		BY: M. KUBISTY, PLS	
			FIELD CHECK		BY: J. JOHNS & PARTY	
MARK	DATE	ITEM	SCALE: 1" = 20'		W.O. #EF21242	FILE #2012PW-IN0003
		REVISIONS	FILE: GREENVILLE_BANNING_CHANNEL_TOPO_2020.DWG			

LEGEND

- SYMBOL
- Benchmark
 - Bush
 - Control Point
 - Drop Inlet
 - Fire Hydrant
 - Gate, Double
 - Gate, Single
 - Grate Inlet
 - Guy Wire Anchor
 - Light Pole, Single
 - Manhole Telephone
 - Manhole Undefined
 - Pipe Inlet/Outlet
 - Post
 - Pull Box Cable TV
 - Pull Box Electrical
 - Pull Box Irrigation
 - Pull Box Telephone
 - Pull Box Traffic
 - Sidewalk Culvert
 - Sign Board
 - Sign Post
 - Traffic Sensor
 - Traffic Signal w/ Light
 - Tree
 - Tree, Palm
 - Utility Pole, Underground
 - Valve Water
 - Vault Undefined
 - Vent Pipe
 - Yard Light
 - SIGN BOARD
- LINE PATTERN KEY
- Block Wall
 - Building Outline
 - Rail Track
 - Centerline
 - Concrete Wall
 - Edge of Concrete
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 - Fence Wrought Iron
 - Flowline
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 - Guard Rail
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 - Property Line
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 - Rip Rap

SEE SHEET 30

CP# 503
SET LEAD & 1-1/4"
TAG STAMPED "OCS"
N: 2211301.91'
E: 6057679.62'
EL: 55.21'

APN408-031-12
3002 CENTENNIAL RD SANTA ANA

CP# 504
SET 1" IRON PIPE 3/4"
BRASS TAG STAMPED "OCS"
N: 2211079.85'
E: 6057609.15'
EL: 54.70'

CENTENNIAL RD.

GREENVILLE BANNING CHANNEL (D03)

FAIRVIEW RD.

APN408-071-07
1721 S FAIRVIEW ST SANTA ANA

APN408-071-08
1725 S FAIRVIEW ST SANTA ANA

APN408-071-09
1729 S FAIRVIEW ST SANTA ANA

APN408-076-05
1805 S FAIRVIEW ST SANTA ANA

HP LT. = 51.31'
HP RT. = 51.30'
GL LT. = 44.53'
GL RT. = 44.54'
CONC. FL. = 44.10'

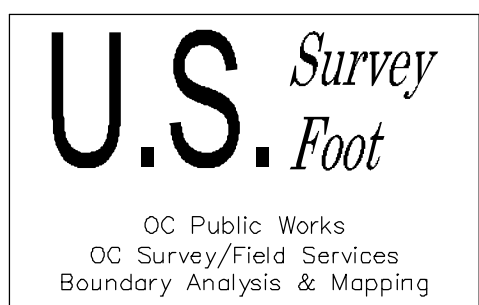
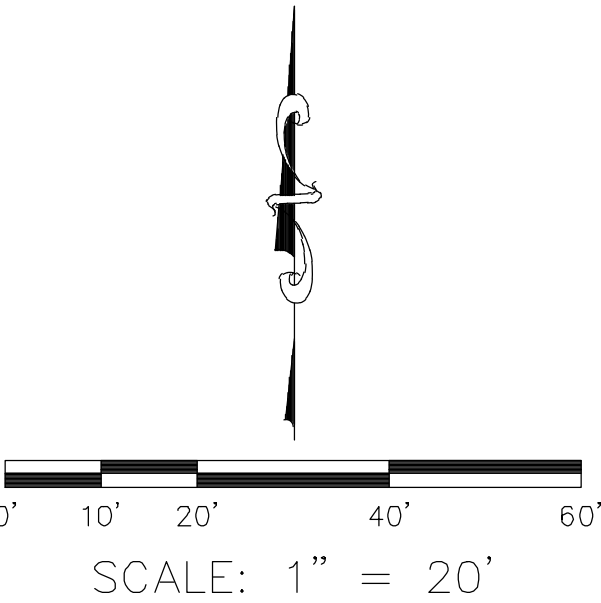
48" RCP
INV EL = 43.70'
HP LT. = 51.15'
HP RT. = 51.10'
GL LT. = 44.36'
GL RT. = 44.32'
CONC. FL. = 43.87'

42" RCP
INV EL = 44.55'

SEE SHEET 28

EASEMENT NOTES

- 1 O.R. 2006-6000165177 GRANT DEED TO THE CITY OF SANTA ANA FOR STREET AND HIGHWAY PURPOSES.
- 2 O.R. 2006-6000166361 GRANT DEED TO THE CITY OF SANTA ANA FOR STREET AND HIGHWAY PURPOSES.



APN408-031-07
3002 W CENTENNIAL RD

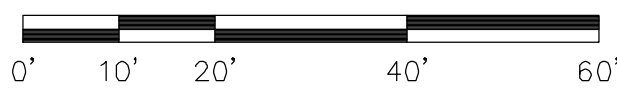
		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION	
		TOPOGRAPHIC MAP PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.	
		DATE OF SURVEY: 07/31/2020	BY: J. JOHNS & PARTY
		MAPPING	BY: H. AFTIM
		OFFICE CHECK	BY: M. KUBISTY, PLS
		FIELD CHECK	BY: J. JOHNS & PARTY
		SCALE: 1" = 20'	W.O. #EF21242
		FILE: #2012PW-IN0003	
		FILE: GREENVILLE_BANNING_CHANNEL_TOPO_2020.DWG	
MARK	DATE	ITEM	
REVISIONS			
			SHEET NO.
			29
			of
			31

SYMBOL

- LINE PATTERN KEY

- ### ABBREVIATION

- AREA PATTERN KEY



SCALE: 1" = 20'

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

APN 408-031-05
2914 W EDINGER AVE SANTA ANA

APN 408-041-06
2721 W POMONA ST SANTA ANA

APN 408-042-16
1619 S FAIRVIEW ST SANTA ANA

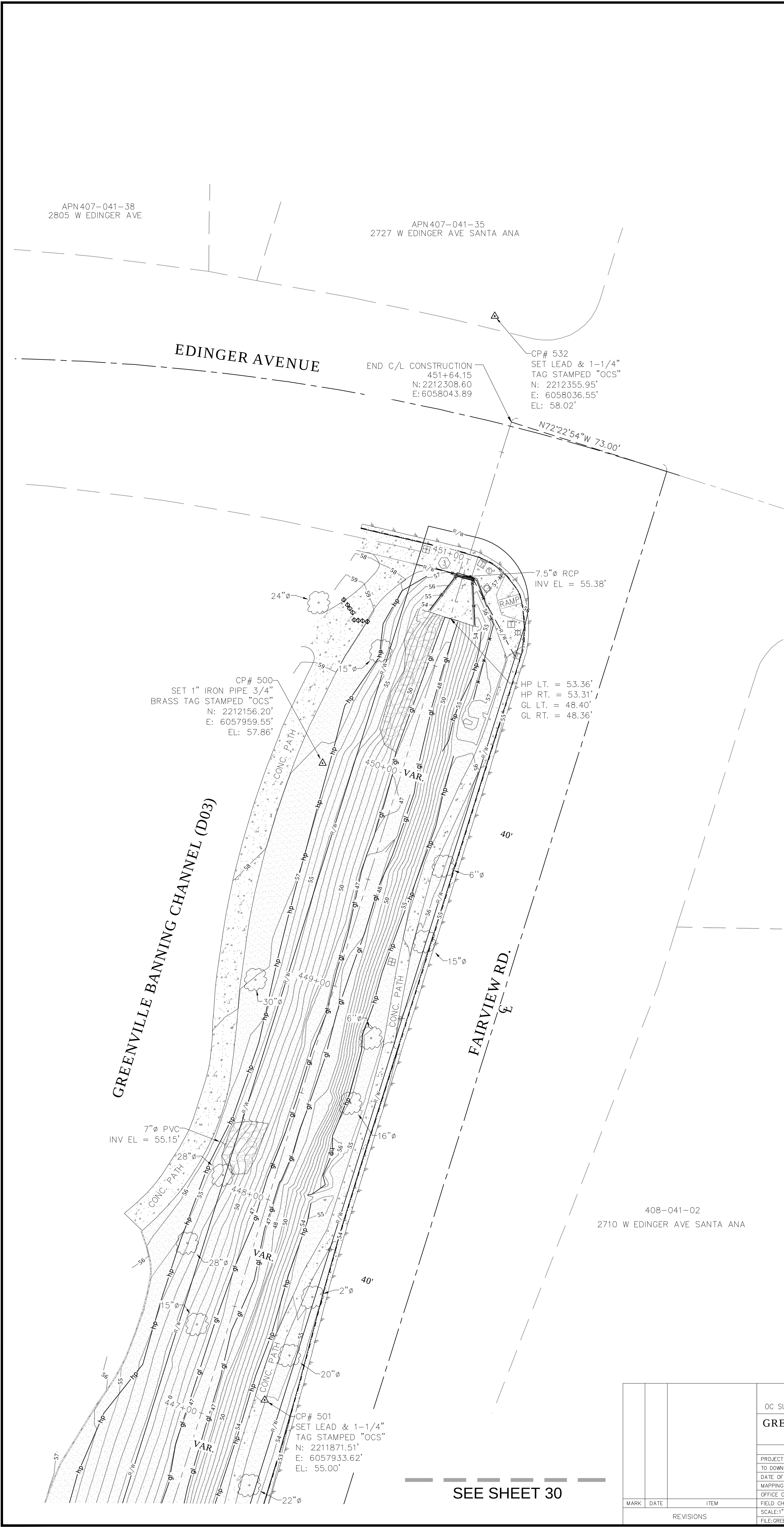
APN 408-042-15
1623 S FAIRVIEW ST SANTA ANA

APN408-042-14
1627 S FAIRVIEW ST SANTA ANA

APN408-042-13
1631 S FAIRVIEW ST SANTA ANA

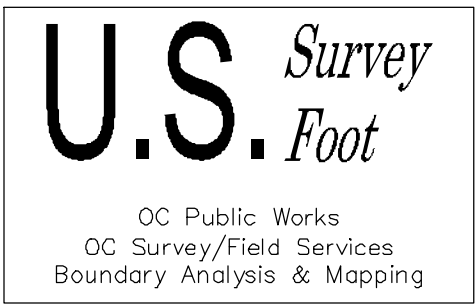
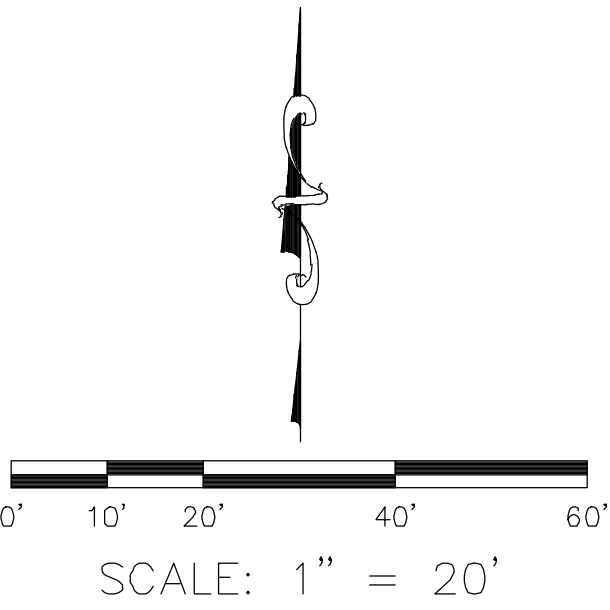
SEE SHEET 29

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION		
			TOPOGRAPHIC MAP		
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE.		
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			DATE OF SURVEY: 07/31/2020	BY: J. JOHNS & PARTY	SHEET NO. 30 of 31
			MAPPING	BY: H. AFTIM	
			OFFICE CHECK	BY: M. KUBISTY, PLS	
			FIELD CHECK	BY: J. JOHNS & PARTY	
MARK	DATE	ITEM	SCALE: 1" = 20'	N.O. #EF21242	FILE #2012PW-IN0003
REVISIONS			FILE: GREENVILLE BANNING CHANNEL_TOPO_2020.DWG		



LEGEND

SYMBOL	
	Benchmark
	Bush
	Control Point
	Drop Inlet
	Fire Hydrant
	Gate, Double
	Gate, Single
	Grate Inlet
	Guy Wire Anchor
	Light Pole, Single
	Manhole Telephone
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	Post
	Pull Box Cable TV
	Pull Box Electrical
	Pull Box Irrigation
	Pull Box Telephone
	Pull Box Traffic
	Sidewalk Culvert
	Sign Board
	Sign Post
	Traffic Sensor
	Traffic Signal w/ Light
	Tree
	Tree, Palm
	Utility Pole, Underground
	Valve Water
	Vault Undefined
	Vent Pipe
	Yard Light
	SIGN BOARD
LINE PATTERN KEY	
	Block Wall
	Building Outline
	Rail Track
	Centerline
	Concrete Wall
	Edge of Concrete
	Edge of Asphalt Pavement
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	Fence Wrought Iron
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BC	Beginning of Curve
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INV	Invert
AREA PATTERN KEY	
	Concrete
	Gravel
	Dirt
	Rip Rap



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			GREENVILLE BANNING CHANNEL (D03) CHANNEL REHABILITATION			
			TOPOGRAPHIC MAP			
			PROJECT LIMITS: FROM DOWNSTREAM OF SUNFLOWER AVE. TO DOWNSTREAM OF EDINGER AVE.			
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			MAPPING		BY: H. AFTIM	
			OFFICE CHECK		BY: M. KUBISTY, PLS	
			FIELD CHECK		BY: J. JOHNS & PARTY	
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