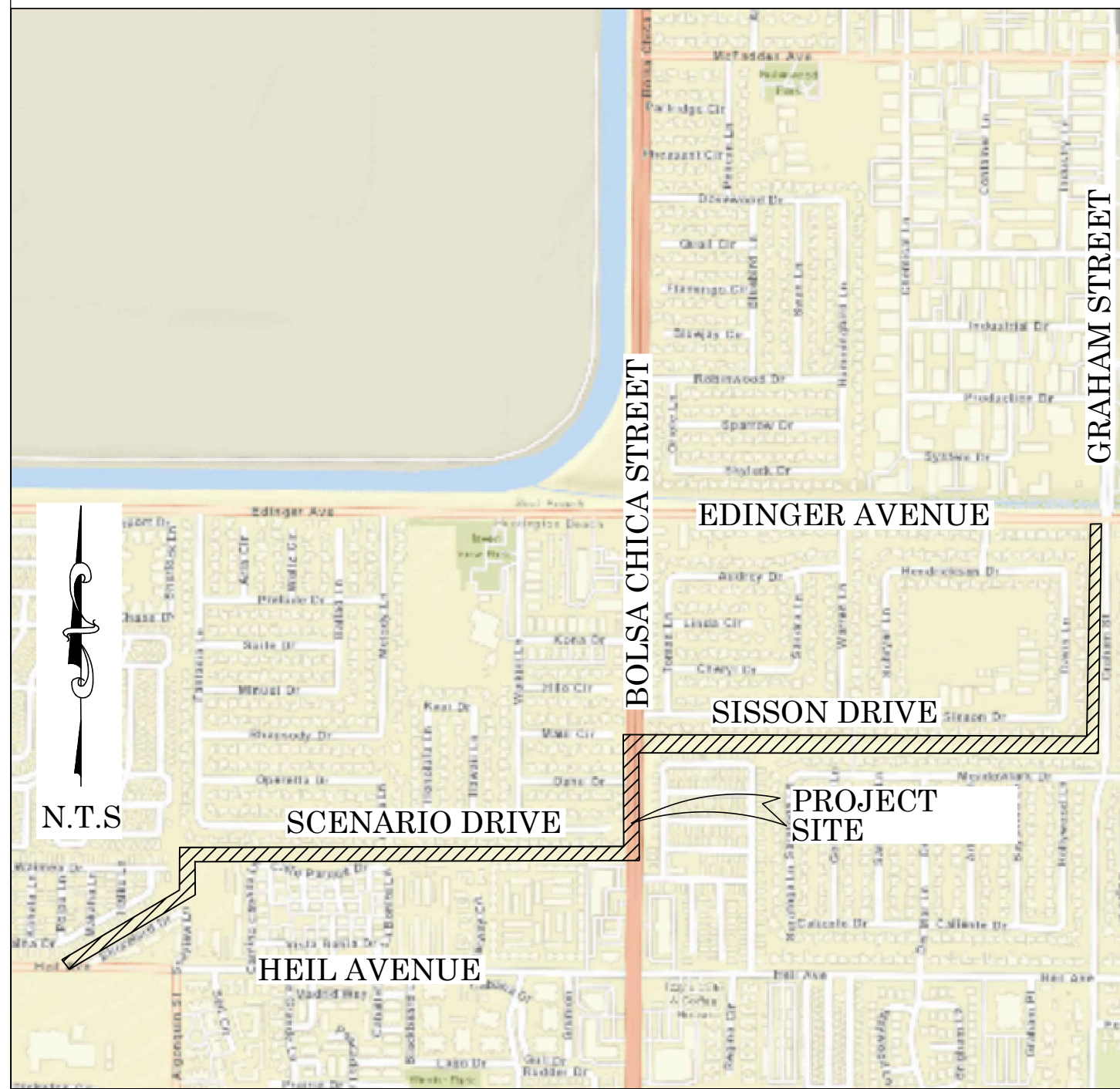




OC PUBLIC WORKS DEPARTMENT
JAMES TREADAWAY, DIRECTOR
KEVIN HILLS, COUNTY SURVEYOR
SUNSET CHANNEL (C07)
CHANNEL REHABILITATION



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 17TH DAY OF NOVEMBER, 2021.

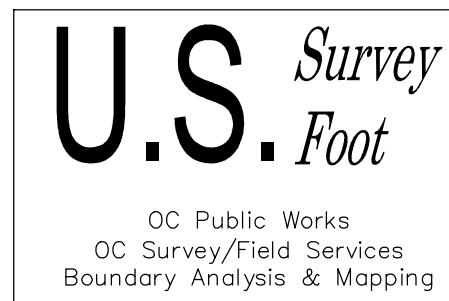
MICHAEL KUBISTY, PLS. SENIOR LAND SURVEYOR



DEPUTY COUNTY SURVEYOR'S STATEMENT:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS 17TH DAY OF NOVEMBER, 2021.

WADE WEAVER, PLS. DEPUTY COUNTY SURVEYOR



BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2017.50) EPOCH ADJUSTMENT, AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS GLOBAL POSITIONING STATIONS CGPS STATIONS FVPK & SACY BEING NORTH 7°50'54" EAST AS DERIVED FROM THE COORDINATES PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC) ALONG WITH DATA SHEETS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.

HORIZONTAL DATUM

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

ALL DISTANCES SHOWN ARE GRID, UNLESS OTHERWISE NOTED. TO OBTAIN GROUND DISTANCES MULTIPLY GRID BY A COMBINED FACTOR OF 1.00001778.

THIS COMBINATION FACTOR WAS DERIVED AT PT #905
N=2211887.372'
E=6016881.664'

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

VERTICAL DATUM

O.C.S. BM. HB-226-72 ELEV. = 12.878' YEAR LEVELED: 2005

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

DESCRIPTION: DESCRIBED BY OCS 2002 - FOUND 3 3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "HB-226-72", SET IN THE NORTHWEST CORNER OF A 4 FT. BY 8 FT. CONCRETE CATCH BASIN. MONUMENT IS LOCATED IN THE NORTHEAST CORNER OF THE INTERSECTION OF BOLSA CHICA STREET AND HEIL AVENUE, 0.1 MILES NORTHERLY OF THE CENTERLINE OF HEIL AVENUE AND 49 FT. EASTERLY OF THE CENTERLINE OF BOLSA CHICA STREET MONUMENT IS SET LEVEL WITH THE SIDEWALK.

NOTES

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

SHEET INDEX

SHEET	NO.	DESCRIPTION
SHEET 1	1	TITLE SHEET
SHEETS 2-11	2-11	BOUNDARY MAP
SHEET 12	12	ALIGNMENT SHEET
SHEETS 13-26	13-26	TOPOGRAPHIC MAP

PURPOSE OF SURVEY

TO PROVIDE TOPOGRAPHY, RIGHT OF WAY & BOUNDARY INFORMATION, AS WELL AS CONSTRUCTION ALIGNMENTS FOR THIS CHANNEL PROJECT.

COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
SUNSET CHANNEL(C07) CHANNEL REHABILITATION			
TITLE SHEET			
PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE			
DATE OF SURVEY: 08/06/2020		BY: T. LOOREN & PARTY	
MAPPING		BY: K. AHMED	
OFFICE CHECK		BY: M. KUBISTY, PLS.	
FIELD CHECK		BY: T. LOOREN	
SCALE: Custom		W.O. #EF21470	FILE #1920PW-PM0004
REVISIONS		FILE: SUNSET_CHANNEL_TOPO_2021_11192021.DWG	
1	11-18-21	FIX R/W CURVES	SHEET NO. 1 of 26
#	DATE	ITEM	

MONUMENT NOTES

- [1]

FOUND GEAR SPIKE AND 1 1/2" WASHER STAMPED "LS 5411" PER (R30) FLUSH IN AC, ACCEPTED AS CENTERLINE INTERSECTION OF EDINGER AVENUE & CLUBHOUSE LANE.
- [2]

FOUND R.R. SPIKE WITH PUNCHMARK PER (R7) DN. 0.40' IN A.C. ACCEPTED AS CENTERLINE INTERSECTION OF EDINGER AVE & GRAHAM STREET SOUTH.
- [3]

FOUND 3" PUNCHED BRASS CAP STAMPED HB CITY SURVEYORS PER (R28) DOWN 1.3' IN WELL MON, ACCEPTED AS CENTERLINE INTERSECTION OF HEIL AVENUE AND GRAHAM STREET. ACCEPTED AS THE CENTER OF SECTION 21, T5S, R11W, SB.B&M.
- [4]

FOUND GEAR SPIKE W/TAG, STAMPED "LS 5411", (NO REF) FLUSH IN A/C (NO REF), N87°08'06"W 0.32' FROM CENTERLINE OF EDINGER AVENUE ALSO BEING THE N'LY 1/16TH CORNER OF THE NW 1/4, SECTION 21, T5S,R11W, SB.B&M.
- [5]

FOUND 2" IP AND TAG AND BRASS NAIL STAMPED CITY OF HB RCE 10655 PER (R27) DN 1.1' IN WELL MON. ACCEPTED AS CENTERLINE INTERSECTION OF EDINGER AVENUE & BOLSA CHICA STREET ALSO BEING THE NORTH EAST CORNER OF SECTION 20, T5S, R11W, SB.B&M.
- [6]

FOUND IRON ROD NO PUNCH PER (R26) DN 1.45' IN WELL MON. ACCEPTED AS CENTERLINE INTERSECTION OF HEIL AVENUE & BOLSA CHICA STREET. ACCEPTED AS EAST 1/4 CORNER OF SECTION 20, T5S, R11W, SB.B&M.
- [7]

FOUND GEAR SPIKE AND 1 1/2" WASHER STAMPED CITY OF HB PER (R25) FLUSH IN AC, ACCEPTED AS THE CENTERLINE INTERSECTION OF SAYBROOK LANE & HEIL AVENUE. ACCEPTED AS S'LY 1/16TH CORNER OF THE NW 1/4 OF SECTION 20, T5S, R11W, SB.B&M.
- [8]

FOUND 1/2" SQUARE HEAD SPIKE WITH PUNCH ONLY PER (R24) FLUSH IN AC. ACCEPTED AS CENTERLINE INTERSECTION OF SAYBROOK LANE & EDINGER AVENUE. ACCEPTED AS THE N'LY 1/16TH CORNER OF THE NW 1/4 OF SECTION 20,T5S, R11W, SB.B&M.
- [9]

FOUND PUNCHED BOAT SPIKE AND TAG STAMPED RCE 14814 DN .25' IN AC(NO REF), ACCEPTED AS NORTH 1/4 CORNER OF SECTION 20,T5S, R11W, SB.B&M.
- [10]

FOUND 3" PUNCHED BRASS CAP STAMPED HB CITY SURVEYORS PER (R22) DOWN .9' IN WELL MON, ACCEPTED AS CENTERLINE INTERSECTION OF HEIL AVENUE & ALGONQUIN STREET, ACCEPTED AS THE CENTER OF SECTION 20, T5S, R11W, SB.B&M.
- [11]

FOUND GEAR SPIKE AND 1 1/2" WASHER STAMPED CITY OF HB PER (R23) FLUSH IN AC, 0.18' N89°46'60"W OF E'LY LINE OF THE SE 1/4, NW 1/4, SECTION 21, T5S, R11W, SB.B&M.
- [12]

FOUND 3/4" TAG ON CONC FENCE FOOTER STAMPED LS 2921 PER (R20) DN 1.2' IN DIRT 0.24' N89°45'34"W OF INTERSECTION OF N'LY RIGHT OF WAY OF O.C.F.C.D & W'LY RIGHT OF WAY OF SE 1/4, NW 1/4, SECTION 21, T5S, R11W, SB.B&M.
- [13]

FOUND 3/4" IP AND TAG STAMPED LS 2921 UP 0.2' IN DIRT 0.29' N02°05'23"E OFF S'LY RIGHT OF WAY OF O.C.F.C.D PER (R20).
- [14]

FOUND 2" IP AND TAG STAMPED LS 2921 DN 0.9' IN DIRT, ACCEPTED AS A POINT ON S'LY RIGHT OF WAY OF THE O.C.F.C.D PER (R20) AND NW CORNER OF (R20).
- [15]

FOUND 3" IP WITH OCFCD TAG STAMPED RE 1555 R/W UP 0.50' IN DIRT(NO REF), 0.09' S0°32'47"W OF S'LY RIGHT OF WAY OF O.C.F.C.D (NO REF).
- [16]

FOUND GEAR SPIKE AND WASHER STAMPED LS 6970 PER (R21) FLUSH IN AC, 0.09' S89°44'18"E OF W'LY LINE OF NW 1/4, NW 1/4, SECTION 21, T5S, R11W, SB.B &M.
- [17]

FOUND RR SPIKE NO TAG DN 0.5' IN AC(NO REF), ACCEPTED AS A POINT ON W'LY LINE OF THE NE 1/4, NE 1/4, SECTION 20, T5S, R11W, SB.B &M.
- [18]

FOUND 2 1/4" IP WITH 1 1/4" TAG AND FLATHEAD SCREW STAMPED "OCFCD RE 7188" RIGHT OF WAY FLUSH IN DIRT 0.06' N0°34'31"E OFF S'LY R/W OF O.C.F.C.D PER (R18).
- [19]

FOUND HOLE ONLY IN TOP BLOCK WALL MISSING LT AND T, 0.27' S0°34'30"W OF S'LY RIGHT OF WAY OF O.C.F.C.D PER (R18).
- [20]

FOUND LEAD TAG AND TACK STAMPED LS 2911 IN TOP BLOCK WALL, S0°34'30"W 0.15' OFF S'LY RIGHT OF WAY OF O.C.F.C.D PER (R18).
- [21]

FOUND LEAD TAG AND TACK STAMPED LS 4861 FLUSH ON CONC FOOTING, 0.09' N89°45'28"W OFF W'LY LINE OF NW 1/4, NE 1/4, SECTION 20, R11W, T5S, SB.B&M.
- [22]

FOUND 2" IP RCE 8348 DN 0.75' IN HB WELL MON IN LIEU OF SPIKE & WASHER PER (R19), ACCEPTED AS A POINT ON THE W'LY LINE OF THE E 1/2, NW 1/4, SECTION 20, T5S, R11W, SB.B&M.
- [23]

FOUND RR SPIKE NO TAG DN 0.4' IN AC, ACCEPTED AS CENTERLINE INTERSECTION OF SCENARIO DRIVE & FANTASIA LANE PER (R5).
- [24]

FOUND GEAR SPIKE AND 1 1/2" WASHER STAMPED LS 8070 PER (R11) FLUSH IN AC, ACCEPTED AS CENTERLINE INTERSECTION OF TOMAS LANE & SISSON DRIVE PER (R3).
- [25]

FOUND GEAR SPIKE AND 1 1/2" WASHER STAMPED LS 8070 PER (R10) FLUSH IN AC, ACCEPTED AS CENTERLINE INTERSECTION OF WARREN LANE & SISSON DRIVE PER (R10).
- [26]

FOUND GEAR SPIKE AND 1 1/2" WASHER STAMPED LS 8070 PER (R8) FLUSH IN AC, ACCEPTED AS CENTERLINE INTERSECTION OF SCHYER LANE & SISSON DRIVE PER (R8).
- [27]

FOUND GEAR SPIKE AND 1 1/2" WASHER STAMPED LS 8070 FLUSH IN AC PER (R8), ACCEPTED AS CENTERLINE INTERSECTION OF DAVIS LANE & SISSON DRIVE PER (R7).
- [28]

FD 2 1/4" IP WITH 1 1/4" TAG AND FLATHEAD SCREW STAMPED OCFCD RE 7188 R/W FLUSH IN DIRT, 0.25' S89°18'43"E FROM E'LY RIGHT OF WAY OF O.C.F.C.D PER (R16).
- [29]

FD 2 1/4" IP WITH 1 1/4IN TAG AND FLATHEAD SCREW STAMPED OCFCD RE 7188 R/W, DN 0.7' IN DIRT, 0.17' S89°45'37"E OF W'LY RIGHT OF WAY OF O.C.F.C.D PER (R16).
- [30]

FOUND 2" IP WASHER & FLATHEAD(STANDARD) SCREW "O.C.F.C.D RE 7188 R/W" DN .2' DIRT, 0.47' N30°16'16"W FROM W'LY R/W O.C.F.C.D PER (R16).
- [31]

FOUND 2" IP NO TAG DN 0.2' IN DIRT PER (R16),0.08' N29°50'08"W FROM E'LY RIGHT OF WAY OF O.C.F.C.D PER (R2).
- [32]

FOUND GEAR SPIKE AND WASHER STAMPED LS 4182 PER (R17) FLUSH IN AC, 0.05' S0°32'33"E FROM S'LY LINE OF E 1/2, NW 1/4, SECTION 20, T5S, R11W, SB.B&M.
- [33]

FOUND GEAR SPIKE AND 1 1/2" WASHER STAMPED LS 8070 FLUSH IN AC, ACCEPTED AS A POINT ON CENTERLINE OF MEADOWLARK DRIVE PER (R6).
- [34]

FOUND GEAR SPIKE AND 1 1/2" WASHER STAMPED LS 8070 FLUSH IN AC, ACCEPTED AS A POINT ON CENTERLINE OF MEADOWLARK DRIVE PER (R6).
- [35]

FOUND GEAR SPIKE AND 1 1/2" WASHER STAMPED LS 8070 FLUSH IN AC, ACCEPTED AS A POINT ON CENTERLINE OF MEADOWLARK DRIVE PER (R6).
- [36]

FOUND GEAR SPIKE AND 1 1/2" WASHER STAMPED LS 8070 FLUSH IN AC, ACCEPTED AS A POINT ON CENTERLINE OF MEADOWLARK DRIVE PER (R6).
- [37]

FOUND GEAR SPIKE AND 1 1/2" WASHER STAMPED LS 8070 FLUSH IN AC, ACCEPTED AS A POINT ON CENTERLINE OF MEADOWLARK DRIVE PER (R6).
- [38]

FOUND 3/4 IN IP NO TAG DN 1.2' IN DIRT N0°32'47"E 0.11' FROM THE N'LY RIGHT OF WAY OF O.C.F.C.D PER (R6).
- [39]

FOUND 3/4 IN IP NO TAG DN 0.6' IN DIRT N0°32'47"E 0.27' FROM THE N'LY RIGHT OF WAY OF O.C.F.C.D PER (R6).
- [40]

FOUND 2 IN IP NO TAG DN 1.2' IN DIRT S0°32'47"W 0.11' FROM THE S'LY RIGHT OF WAY OF O.C.F.C.D PER (R6).
- [41]

FOUND 3/4IN IP NO TAG DN 0.5' IN DIRT N0°32'47"E 0.05' FROM S'LY RIGHT OF WAY OF O.C.F.C.D PER (R6).
- [42]

FOUND 2 1/4" IP WITH 1 1/4 TAG IN TAG & FLATHEAD SCREW, N0°32'47"E 0.26' FROM THE S'LY RIGHT OF WAY OF O.C.F.C.D PER (R6).
- [43]

FOUND 2 1/4" IP WITH 1 1/4 TAG IN TAG & FLATHEAD SCREW, N0°32'47"E 0.16' FROM THE S'LY RIGHT OF WAY OF O.C.F.C.D PER (R6).
- [44]

FOUND WELL MONUMENT WITH 2" IP TAG STAMPED "RCE 10655" PER C.E.F.B. (CITY OF HUNTINGTON BEACH) BOOK 69 PAGE 3 OF 6 DATED 05/18/71 MON NUMBER 960 & (R31) DN 1.0' IN A.C., ACCEPTED AS THE CENTERLINE INTERSECTION OF EDINGER AVE & GRAHAM STREET NORTH.

ESTABLISHMENT NOTES

- [A]

ESTABLISHED THE CENTER OF THE NW 1/4, SECTION 20, T5S, R11W, SBB&M BY HOLDING MIDPOINT BETWEEN MONUMENTS [7] & [8]
- [B]

ESTABLISHED THE W'LY 1/64TH CORNER OF THE SW 1/4 OF THE NW 1/4, SECTION 20, T5S, R11W, SBB&M BY HOLDING MIDPOINT BETWEEN ESTABLISHMENT NOTE [A] & MONUMENT [7]
- [C]

ESTABLISHED THE E'LY 1/16TH CORNER OF THE NW 1/4, SECTION 20, T5S, R11W, SBB&M BY HOLDING MID POINT BETWEEN MONUMENT NOTES [9] & [10]
- [D]

ESTABLISHED THE E'LY 1/64TH CORNER OF THE SE 1/4 OF NW 1/4, SECTION 20, T5S, R11W, SBB&M BY HOLDING MIDPOINT BETWEEN ESTABLISHMENT NOTE [C] & MONUMENT NOTE [10]
- [E]

ESTABLISHED THE S'LY 1/16TH COR OF THE NE 1/4 OF SECTION 20, T5S, R11W BY HOLDING MIDPOINT BETWEEN MONUMENTS [6] & [10]
- [F]

ESTABLISHED THE N'LY 1/16TH CORNER OF THE NE 1/4 OF SECTION 20, T5S, R11W, SBB&M BY HOLDING MIDPOINT BETWEEN MONUMENTS [5] & [9]
- [G]

ESTABLISHED THE CENTER OF NE 1/4 OF SECTION 20, T5S, R11W, SBB&M BY HOLDING MIDPOINT BETWEEN ESTABLISHMENT NOTES [E] & [F]
- [H]

ESTABLISHED THE E'LY 1/64TH CORNER OF THE SW 1/4 OF THE NE 1/4 OF SECTION 20, T5S, R11W, SBB&M BY HOLDING MIDPOINT BETWEEN ESTABLISHMENT NOTES [G] & [E]
- [I]

ESTABLISHED THE E'LY 16TH CORNER OF THE NW 1/4, SECTION 20, T5S, R11W, SBB&M BY HOLDING MIDPOINT BETWEEN MONUMENTS [5] & [6]
- [J]

ESTABLISHED THE E'LY 1/64TH CORNER OF THE SE 1/4 OF THE NE 1/4 OF SECTION 20, T5S, R11W, SBB&M BY HOLDING MID POINT BETWEEN ESTABLISHMENT NOTES [I] & MONUMENT [6]
- [K]

ESTABLISHED THE S'LY 1/16TH COR OF THE SW 1/4 OF THE NW 1/4 OF SECTION 21, T5S, R11W, SBB&M BY HOLDING MID POINT BETWEEN MONUMENTS [6] & [3]
- [L]

ESTABLISHED THE CENTER OF THE NW 1/4 CORNER OF SECTION 20, T5S, R11W, SBB&M BY HOLDING MIDPOINT BETWEEN ESTABLISHMENT NOTE [K] & MONUMENT [4]
- [M]

ESTABLISHED THE NORTH 1/4 CORNER OF SECTION 21, T5S, R11W, SBB&M BY HOLDING A RECORD DISTANCE OF 65' W'LY FROM MONUMENT [4] ALONG THE W'LY PROLONGATION OF LINE ESABLISHMENT [E]
- [N]

ESTABLISHED THE E'LY 1/16TH CORNER OF THE NW 1/4 OF SECTION 21, T5S, R11W,SBB&M BY HOLDING MIDPOINT BETWEEN ESTABLISHMENT NOTE [M] & MONUMENT NOTE [3]
- [O]

ESTABLISHED THE N'LY LINE OF THE NE 1/4, NW 1/4, SECTION 20, T5S, R11W, SBB&M BY HOLDING MONUMENTS [8] & [9]
- [P]

ESTABLISHED THE S'LY LINE OF THE NE 1/4, NW 1/4, SECTION 20, T5S, R11W, SBB&M BY HOLDING ESTABLISHMENT NOTES [A] & [C]
- [Q]

ESTABLISHED THE N'LY LINE OF THE S 1/2, SE 1/4, NW 1/4, SECTION 20, T5S, R11W, SBB&M BY HOLDING ESTABLISHMENT NOTES [E] & [D]

- [R]

ESTABLISHED THE S'LY LINE OF THE SE 1/4, NW 1/4, SECTION 20, T5S, R11W, SBB&M BY HOLDING MONUMENTS [7] & [10]
- [S]

ESTABLISHED THE S'LY LINE OF THE NE 1/4, SECTION 20, T5S, R11W, SBB&M BY HOLDING MONUMENTS [6] & [10]
- [T]

ESTABLISHED THE N'LY LINE OF THE S 1/2 OF THE S 1/2, SECTION 20, T5S,R11W,SBB&M HOLDING ESTABLISHMENT NOTES [D] & [I]
- [U]

ESTABLISHED THE S'LY LINE OF THE N 1/2, NE 1/4, SECTION 20, T5S, R11W, SBB&M BY HOLDING ESTABLISHMENT NOTES [C] & [I]
- [V]

ESTABLISHED THE N'LY LINE OF THE NE 1/4, SECTION 20, T5S, R11W, SBB&M BY HOLDING MONUMENTS [9] & [5]
- [W]

ESTABLISHED THE N'LY LINE OF THE NW 1/4, SECTION 21, T5S, R11W, SBB&M BY HOLDING MONUMENT [5] & ESTABLISHMENT NOTE [M]
- [X]

ESTABLISHED THE N'LY LINE OF THE S 1/2, NW 1/4, SECTION 21, T5S, R11W, SBB&M BY HOLDING THE MID POINT BETWEEN ESTABLISHMENT NOTES [D] & [N]
- [Y]

ESTABLISHED THE S'LY LINE OF THE NW 1/4, SECTION 21, T5S, R11W, SBB&M BY HOLDING MONUMENTS [6] & [3]
- [Z]

ESTABLISHED THE W'LY LINE OF THE E 1/2 OF THE NW 1/4 OF SECTION 20, T5S, R11W, SBB&M BY HOLDING MONUMENTS [8] & [7]
- [AA]

ESTABLISHED THE E'LY LINE OF THE W 1/2, NW 1/4, SECTION 20, T5S, R11W, SBB&M BY HOLDING MONUMENTS [9] & [10]
- [AB]

ESTABLISHED THE E'LY LINE OF THE W 1/2, NE 1/4, SECTION 20, T5S, R11W, SBB&M BY HOLDING ESTABLISHMENT NOTES [E] & [F]

ESTABLISHED THE W'LY LINE OF NW 1/4, SECTION 21, T5S, R11W, SBB&M BY HOLDING MONUMENTS [5] & [6]																				
ESTABLISHED THE E'LY LINE OF THE W 1/2, NW 1/4, SECTION 21, T5S, R11W, SBB&M BY HOLDING MONUMENT [4] & ESTABLISHMENT NOTE (K)																				
ESTABLISHED THE E'LY LINE OF THE NW 1/4, SECTION 21, T5S, R11W, SBB&M BY HOLDING MONUMENT [3] & ESTABLISHMENT NOTE (M)																				
		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING SUNSET CHANNEL(C07) BOUNDARY MAP ESTABLISHMENT & MONUMENT NOTES PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE <table><tr><td colspan="2">DATE OF SURVEY: 08/06/2020</td><td>BY: T.LOFGREEN & PARTY</td></tr><tr><td colspan="2">MAPPING</td><td>BY: K.AHMED</td></tr><tr><td colspan="2">OFFICE CHECK</td><td>BY: M.KUBISTY, PLS</td></tr><tr><td colspan="2">FIELD CHECK</td><td>BY: T.LOFGREEN</td></tr><tr><td>SCALE: 1"=20'</td><td>W.O. #EF21470</td><td>FILE #1920PW-PM0004</td></tr><tr><td colspan="3">FILE: SUNSET_CHANNEL_BOUNDARY_202111-16 KAI.DWG</td></tr></table>	DATE OF SURVEY: 08/06/2020		BY: T.LOFGREEN & PARTY	MAPPING		BY: K.AHMED	OFFICE CHECK		BY: M.KUBISTY, PLS	FIELD CHECK		BY: T.LOFGREEN	SCALE: 1"=20'	W.O. #EF21470	FILE #1920PW-PM0004	FILE: SUNSET_CHANNEL_BOUNDARY_202111-16 KAI.DWG		
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1	11-18-21	FIX R/W CURVES																		
#	DATE	ITEM																		
REVISIONS																				
SHEET NO. 2 of 26																				

ESTABLISHMENT NOTES

- ⒶF ESTABLISHED NORTH WEST CORNER OF (R37) BY INTERSECTION HOLDING A LINE 40’ W’LY OF AND PARALLEL WITH LINE ESTABLISHMENTⓐ & LINE ESTABLISHMENTⒶ
- ⒶC ESTABLISHED SOUTH WEST CORNER OF (R37) BY INTERSECTION HOLDING RECORD ANGLES, DISTANCES & CURVATURE INFORMATION PER (R37) SW’LY FROM ESTABLISHMENT NOTE ⒶF & LINE ESTABLISHMENT NOTEⓇ
- ⒶF ESTABLISHED THE W’LY LINE OF (R37) BY HOLDING RECORD ANGLES, DISTANCES & CURVATURE INFORMATION PER (R37) BETWEEN ESTABLISHMENT NOTES ⒶF & ⒶC
- ⒶI ESTABLISHED NORTH EAST CORNER OF (R37) BY INTERSECTION HOLDING A LINE 86’ E’LY OF AND PARALLEL WITH LINE ESTABLISHMENTⒶ & LINE ESTABLISHMENTⓉ
- ⒶI ESTABLISHED SOUTH EAST CORNER OF (R37) BY INTERSECTION HOLDING RECORD ANGLES, DISTANCES & CURVATURE INFORMATION PER (R37) SW’LY FROM ESTABLISHMENT NOTE ⒶI & LINE ESTABLISHMENT NOTEⓇ
- ⒶK ESTABLISHED THE E’LY LINE OF (R37) BY HOLDING RECORD ANGLES, DISTANCES & CURVATURE INFORMATION PER (R37) BETWEEN ESTABLISHMENT NOTES Ⓐ & MONUMENT NOTEⓈ
- ⒶI ESTABLISHED THE N’LY LINE OF (R36, R39–R58) HOLDING A RECORD DISTANCE OF 35’ PER (R39–R58) PARALLEL AND N’LY OF LINE ESTABLISHMENTⓉ
- ⒶI ESTABLISHED THE S’LY LINE OF (R36, R39–R58) HOLDING A RECORD DISTANCE OF 40’ PER (R36, R39–R58) PARALLEL AND S’LY OF LINE ESTABLISHMENTⓉ
- ⒶI ESTABLISHED THE NORTH EAST CORNER OF PARCEL B (R58) ALONG BOLSA CHICA STREET BY INTERSECTION HOLDING LINE ESTABLISHMENTⒶ & ⒶI
- ⒶI ESTABLISHED THE ANGLE POINT IN PARCEL B (R58) BY HOLDING RECORD DISTANCE OF 30’ PER (R58) W’LY FROM ESTABLISHMENTⒶI ALONG LINE ESTABLISHMENTⒶI
- ⒶB ESTABLISHED THE SOUTH WEST CORNER OF PARCEL B (R58) BY HOLDING RECORD DISTANCE OF 91’ PER (R58) W’LY FROM ESTABLISHMENTⒶ & ALONG LINE ESTABLISHMENTⒶI
- ⒶC ESTABLISHED PARCEL B OF (R58) HOLDING RECORD ANGLES, DISTANCES PER (R58) BETWEEN ESTABLISHMENT NOTES ⒶF & ⒶC
- ⒶS ESTABLISHED NORTH EAST CORNER OF PARCEL B OF (R50) BY INTERSECTION HOLDING RECORD ANGLES, DISTANCES & CURVATURE INFORMATION PER (R50) NE’LY FROM ESTABLISHMENT NOTEⒸ WITH LINE ESTABLISHMENT NOTE ⒶI
- ⒶI ESTABLISHED THE E’LY LINE OF PARCEL B OF (R50) BY HOLDING RECORD ANGLES, DISTANCES & CURVATURE INFORMATION PER (R50) BETWEEN ESTABLISHMENT NOTES Ⓒ & ⒶS
- ⒶI ESTABLISHED THE S’LY LINE OF PARCEL A OF (R50) HOLDING A RECORD DISTANCE OF 35’ PER (R50) PARALLEL AND S’LY OF LINE ESTABLISHMENTⓧ EXCEPT THE PORTION THEREOF LYING E’LY OF A LINE WHICH IS PARALLEL WITH AND 54’ E’LY OF LINE ESTABLISHMENTⒶC
- ⒶI ESTABLISHED THE N’LY LINE OF THE (R57) HOLDING A RECORD DISTANCE OF 40’ PER (R57) PARALLEL AND N’LY OF LINE ESTABLISHMENTⓧ EXCEPT THE PORTION THEREOF LYING E’LY OF A LINE WHICH IS PARALLEL WITH AND 54’ E’LY OF LINE ESTABLISHMENTⒶC
- ⒶI ESTABLISHED THE N’LY CORNER OF (R63) BY INTERSECTION HOLDING RECORD ANGLES & DISTANCE PER (R63) N’LY FROM ESTABLISHMENTⒸ WITH LINE ESTABLISHMENTⒶI
- ⒶI ESTABLISHED THE B.C ON THE N’LY RIGHT OF WAY OF (R62) HOLDING A RECORD DISTANCE OF 40’ PER (R62) PARALLEL WITH LINE ESTABLISHMENTⓧ FROM ESTABLISHMENT POINTⒸ
- ⒶC ESTABLISHED A POINT ON THE W’LY RIGHT OF WAY OF (R62) HOLDING A RECORD DISTANCE OF 40’ PER (R62) W’LY OF & PARALLEL WITH LINE ESTABLISHMENTⒶ FROM ESTABLISHMENT POINTⒸ

- ⒸA ESTABLISHED N’LY PORTION OF (R62) BY HOLDING RECORD CURVE DATA BETWEEN ESTABLISHMENT NOTES ⒸY & ⒶC
- ⒸB ESTABLISHED THE W’LY LINE OF (R62) HOLDING A RECORD DISTANCE OF 40’ PER (R62) PARALLEL AND W’LY OF LINE ESTABLISHMENTⒶB
- ⒸC ESTABLISHED THE E’LY LINE OF (R60) HOLDING A RECORD DISTANCE OF 35’ PER (R60) E’LY OF AND PARALLEL WITH LINE ESTABLISHMENTⒶB
- ⒸD ESTABLISHED A POINT ON THE E’LY RIGHT OF WAY OF (R60) PARALLEL & 35’ PERPENDICULAR, AT A CALCULATED RECORD DISTANCE OF 1197.93’ NE’LY FROM ESTABLISHMENT NOTE ⒶB ALONG ESTABLISHMENT NOTEⓃ PER (R7).
- ⒸB ESTABLISHED NORTH EAST CORNER OF (R60) BY INTERSECTION HOLDING RECORD DISTANCES PER (R60) E’LY FROM ESTABLISHMENT NOTEⓂ ALONG LINE ESTABLISHMENTⒸB
- ⒸB ESTABLISHED THE N’LY LINE OF A PORTION OF THE NW 1/4, NE 1/4 SECTION 21, T5S, R11W, SBB&M BY HOLDING MONUMENTⓈ & Ⓢ
- ⒸC ESTABLISHED THE E’LY LINE OF (R60) BY HOLDING RECORD ANGLES, DISTANCES PER (R60) BETWEEN ESTABLISHMENT NOTES ⒸD & ⒸB
- ⒸB ESTABLISHED THE CENTERLINE OF SCENARIO DRIVE BY HOLDING MONUMENTS Ⓢ & Ⓢ PER (R5)
- ⒸJ ESTABLISHED PORTION OF THE C/L OF SISSON DRIVE HOLDING THE W’LY PROLONGATION OF LINE ESTABLISHMENTⒸ TO ITS INTERSECTION WITH LINE ESTABLISHMENTⒶ
- ⒸK ESTABLISHED THE CENTERLINE OF SISSON DRIVE BY HOLDING MONUMENTS Ⓢ & Ⓢ PER (R7)
- ⒸI ESTABLISHED AN ANGLE POINT ON THE CENTERLINE OF MEADOWLARK DRIVE BY BY HOLDING A RECORD DISTANCE OF 226.27’ ALONG THE W’LY PROLONGATION OF LINE ESTABLISHMENTⒸ FROM MONUMENT Ⓢ PER (R6)
- ⒸM ESTABLISHED THE CENTERLINE OF MEADOWLARK DRIVE BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTE Ⓒ & MONUMENT Ⓢ PER (R6)
- ⒸI ESTABLISHED THE CENTERLINE OF MEADOWLARK DRIVE BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTE Ⓒ & MONUMENT Ⓢ PER (R20)
- ⒸC ESTABLISHED POINT ON LINE ESTABLISHMENTⓧ HOLDING RECORD TANGENT DISTANCE OF 150.86’ PER (R7) W’LY FROM ESTABLISHMENT NOTEⓃ ALONG LINE ESTABLISHMENTⓧ
- ⒸB ESTABLISHED POINT ON LINE ESTABLISHMENTⒶ HOLDING RECORD TANGENT DISTANCE OF 150.86’ PER (R7) N’LY FROM ESTABLISHMENT NOTEⓃ ALONG LINE ESTABLISHMENTⒶB
- ⒸC ESTABLISHED SOUTH WEST CORNER OF O.C.F.C.D PARCELS BY INTERSECTION HOLDING RECORD COURSES PER (R50,R61).E’LY,N’LY & NE’LY FROM ESTABLISHMENT NOTEⓈ & LINE ESTABLISHMENTⒶ 54’ E’LY OF & PARALLEL WITH LINE ESTABLISHMENTⒶC PER (R63).
- ⒸB ESTABLISHED THE E’LY RIGHT OF WAY OF BOLSA CHICA STREET HOLDING A RECORD DISTANCE OF 60’ PER (R33) E’LY OF & PARALLEL WITH LINE ESTABLISHMENTⒶC
- ⒸS ESTABLISHED THE W’LY RIGHT OF WAY OF BOLSA CHICA STREET HOLDING A RECORD DISTANCE OF 60’ PER (R15) W’LY OF & PARALLEL WITH LINE ESTABLISHMENTⒶC
- ⒸI SFN ESTABLISHED E’LY TERMINUS OF THE C/L OF SCENARIO DRIVE HOLDING A RECORD DISTANCE OF 1190.17’ PER (R5) ALONG THE E’LY PROLONGATION OF LINE ESTABLISHMENTⒸ FROM MONUMENT Ⓢ
- ⒸI ESTABLISHED NORTH WEST CORNER OF PARCEL A (R62) BY INTERSECTION HOLDING RECORD DISTANCES PER (R62) W’LY FROM ESTABLISHMENT NOTEⓂ ALONG LINE ESTABLISHMENT ⒸB

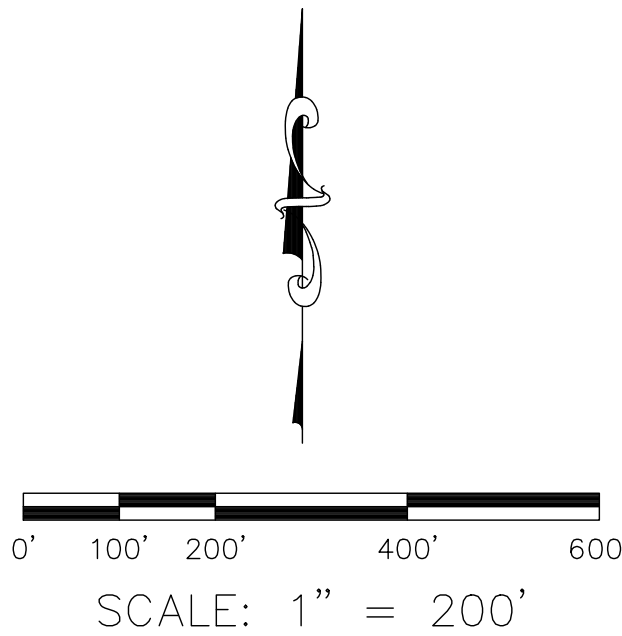
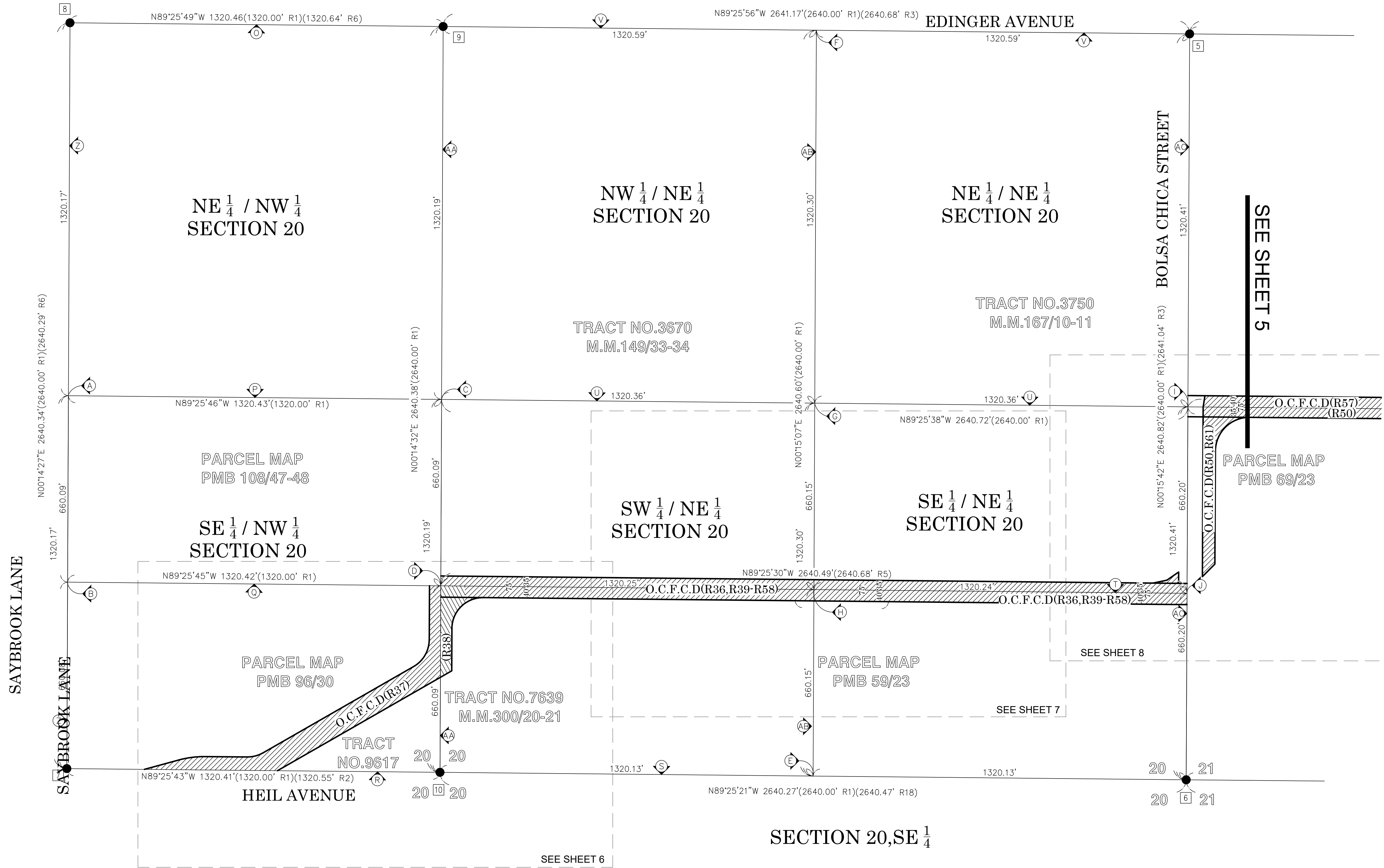
REFERENCES

- (R1) = M.M. 51/13
- (R2) = TRACT NO.9617 M.M 464/36–37
- (R3) = TRACT NO.3616 M.M. 124/7–11
- (R4) = TRACT NO.8698 M.M. 391/19–20
- (R5) = TRACT NO.3670 M.M. 149/34
- (R6) = TRACT NO.3508 M.M 132/41–42
- (R7) = TRACT NO.3657 M.M. 134/21–25
- (R8) = CORNER RECORD 2016–2512
- (R9) = CORNER RECORD 2016–2509
- (R10) = CORNER RECORD 2017–2508B
- (R11) = CORNER RECORD 2016–2507B
- (R12) = TRACT NO.6429 M.M. 241/11–13
- (R13) = TRACT NO.5963 M.M. 289/48–50
- (R14) = TRACT NO.9468 M.M. 407/28–29
- (R15) = TRACT NO.3750 M.M. 167/10–11
- (R16) = PARCEL MAP PMB 96/30
- (R17) = CORNER RECORD 2001–746B
- (R18) = TRACT NO.7639 M.M. 300/20–21
- (R19) = PARCEL MAP PMB 108/47–48
- (R20) = TRACT NO.3752 M.M. 132/39–40
- (R21) = CORNER RECORD 2016–2909A
- (R22) = CORNER RECORD 2019–0734
- (R23) = CORNER RECORD 2002–1563
- (R24) = CORNER RECORD 2018–0719
- (R25) = CORNER RECORD 2005–0069A
- (R26) = CORNER RECORD 2016–1032
- (R27) = CORNER RECORD 2018–1879
- (R28) = CORNER RECORD 2006–0218
- (R29) = CORNER RECORD 2018–1880
- (R30) = CORNER RECORD 2017–1234B
- (R31) = CORNER RECORD 2015–0696A
- (R32) = PARCEL MAP PMB 229/17–18

- (R33) = PARCEL MAP PMB 69/23
- (R34) = TRACT NO.3753 M.M. 132/37–38
- (R35) = TRACT NO.3642 M.M. 145/48
- (R36) = 6134/921 O.R.
- (R37) = 2702/506 O.R.
- (R38) = 2665/182 O.R.
- (R39) = 6204/184 O.R.
- (R40) = 2657/445 O.R.
- (R41) = 2587/265 O.R.
- (R42) = 5805/392 O.R.
- (R43) = 2619/186 O.R.
- (R44) = 2610/29 O.R.
- (R45) = 5933/968 O.R.
- (R46) = 5933/970 O.R.
- (R47) = 5824/56 O.R.
- (R48) = 2643/223 O.R.
- (R49) = 2610/22 O.R.
- (R50) = 2641/483 O.R.
- (R51) = 11977/744 O.R.
- (R52) = 2637/406 O.R.
- (R53) = 2619/188 O.R.
- (R54) = 6257/683 O.R.
- (R55) = 5824/51 O.R.
- (R56) = 6022/916 O.R.
- (R57) = 2587/215 O.R.
- (R58) = 2726/540 O.R.
- (R59) = 2568/203 O.R.
- (R60) = 2539/640 O.R.
- (R61) = 7975/638 O.R.
- (R62) = 2576/609 O.R.
- (R63) = 8008/356 O.R.
- (R64) = TRACT NO.3643 M.M. 153/11–12
- (R65) = 5685/459 O.R.
- (R66) = 5623/212 O.R.
- (R67) = RECORD OF SURVEY RSB 72/43
- (R68) = RECORD OF SURVEY RSB 58/35–36

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
SUNSET CHANNEL(C07) BOUNDARY MAP					
ESTABLISHMENT & MONUMENT NOTES					
PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE					
DATE OF SURVEY:08/06/2020			BY:T.L.OFGREEN & PARTY		SHEET NO. 3 of 26
MAPPING			BY:K.AHMED		
OFFICE CHECK			BY:M.KUBISTY, PLS		
FIELD CHECK			BY:T.L.OFGREEN		
SCALE:1"=20'			W.O. #EF21470		FILE #1920PW-PM0004
FILE:SUNSET_CHANNEL/BOUNDARY_202111-16 KAI.DWG					
REVISIONS					

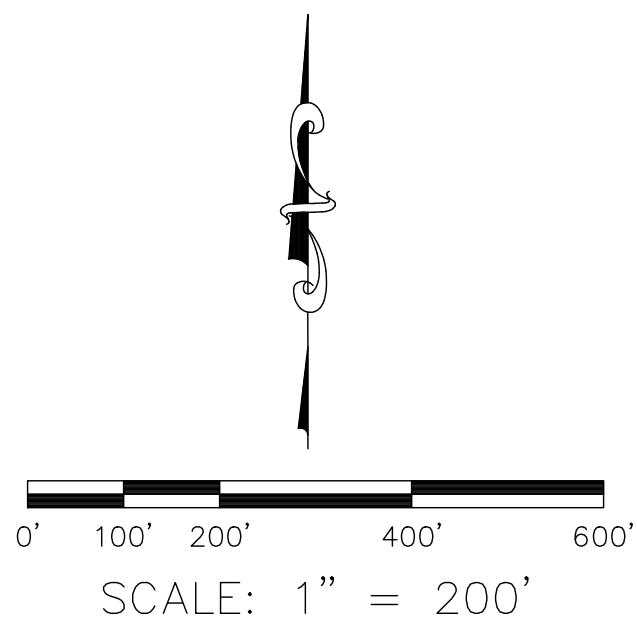
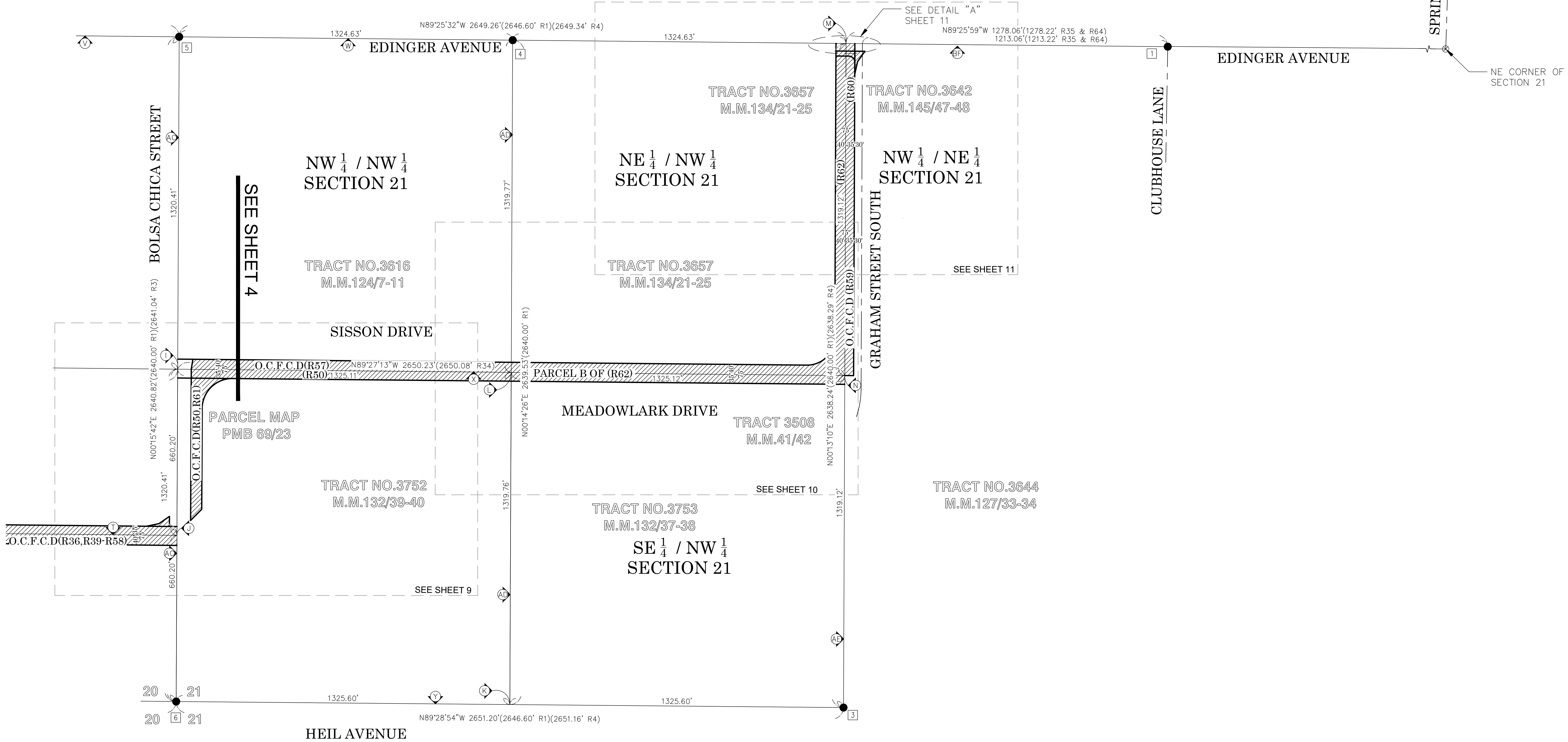
BOLSA CHICA CHANNEL



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- FOUND MONUMENT AS NOTED
 - ⊗ SEARCHED, FOUND NOTHING.
 - (A) CENTERLINE CONSTRUCTION SEE SHEET 12

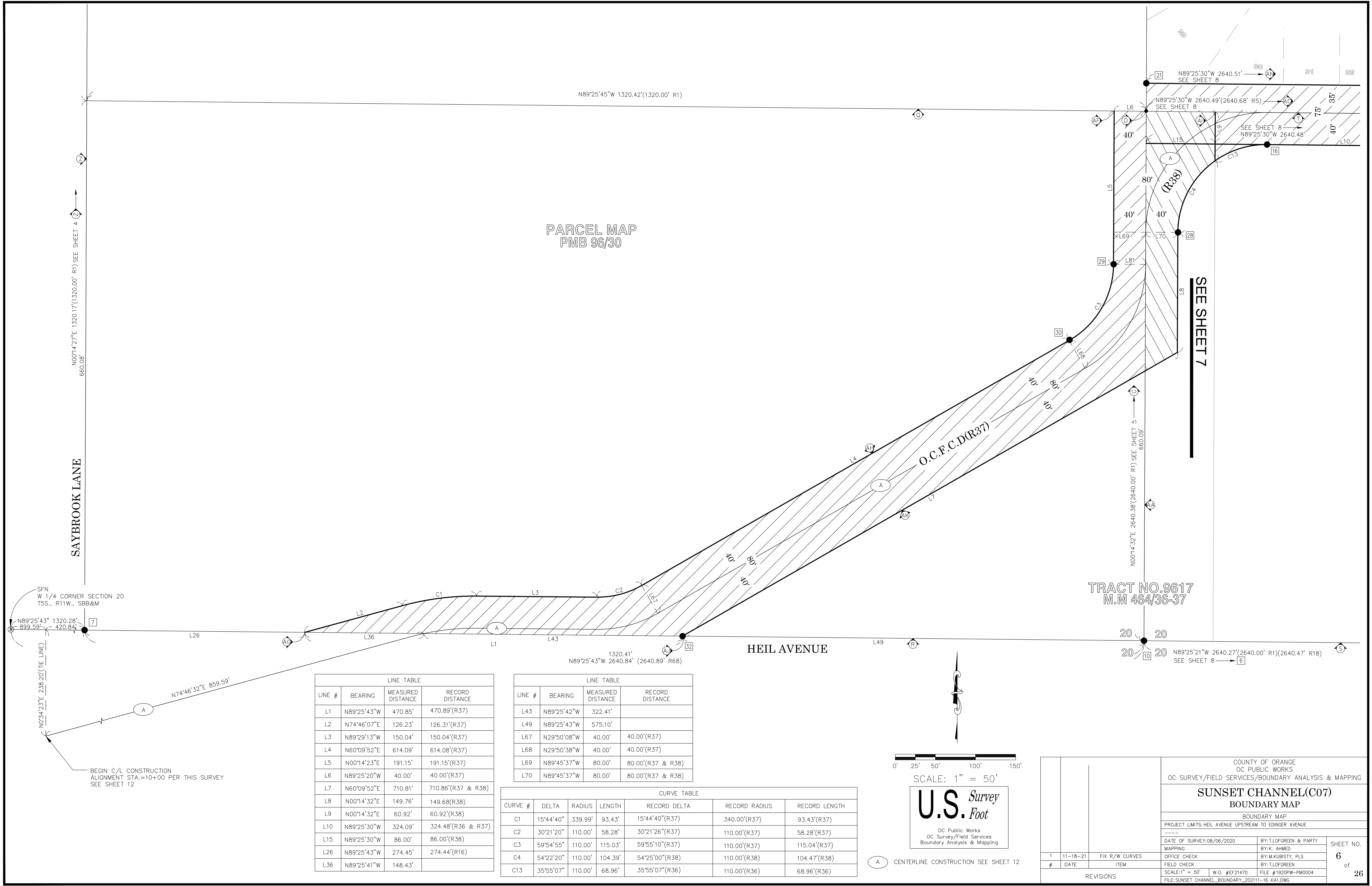
			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			SUNSET CHANNEL(C07) BOUNDARY MAP		
			SECTIONALIZED BREAKDOWN		
			PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE		
			DATE OF SURVEY: 08/06/2020	BY: T.L.OFGREEN & PARTY	SHEET NO. 4 of 26
			MAPPING	BY: K.AHMED	
			OFFICE CHECK	BY: M.KUBISTY, PLS	
			FIELD CHECK	BY: T.L.OFGREEN	
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			REVISIONS		



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- LEGEND**
- FOUND MONUMENT AS NOTED
 - ⊗ SEARCHED, FOUND NOTHING.
 - Ⓐ CENTERLINE CONSTRUCTION SEE SHEET 12

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
SUNSET CHANNEL(C07) BOUNDARY MAP					
SECTIONALIZED BREAKDOWN					
PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE					
DATE OF SURVEY: 08/06/2020			BY: T.L.OFGREEN & PARTY		SHEET NO. 5 of 26
MAPPING			BY: K.AHMED		
OFFICE CHECK			BY: M.KUBISTY, PLS		
FIELD CHECK			BY: T.L.OFGREEN		
SCALE: 1"=200'			W.O. #EF21470		
FILE: SUNSET_CHANNEL_BOUNDARY_202111-16_KA1.DWG			FILE #1920PW-PM0004		
REVISIONS					



PARCEL MAP
PMB 96/30

SEE SHEET 7

TRACT NO.9617
M.M 464/36-37

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L1	N89°25'43"W	470.85'	470.89'(R37)
L2	N74°46'07"E	126.23'	126.31'(R37)
L3	N89°29'13"W	150.04'	150.04'(R37)
L4	N60°09'52"E	614.09'	614.08'(R37)
L5	N00°14'23"E	191.15'	191.15'(R37)
L6	N89°25'20"W	40.00'	40.00'(R37)
L7	N60°09'52"E	710.81'	710.86'(R37 & R38)
L8	N00°14'32"E	149.76'	149.68(R38)
L9	N00°14'32"E	60.92'	60.92'(R38)
L10	N89°25'30"W	324.09'	324.48'(R36 & R37)
L15	N89°25'30"W	86.00'	86.00'(R38)
L26	N89°25'43"W	274.45'	274.44'(R16)
L36	N89°25'41"W	148.43'	

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L43	N89°25'42"W	322.41'	
L49	N89°25'43"W	575.10'	
L67	N29°50'08"W	40.00'	40.00'(R37)
L68	N29°50'38"W	40.00'	40.00'(R37)
L69	N89°45'37"W	80.00'	80.00'(R37 & R38)
L70	N89°45'37"W	80.00'	80.00'(R37 & R38)

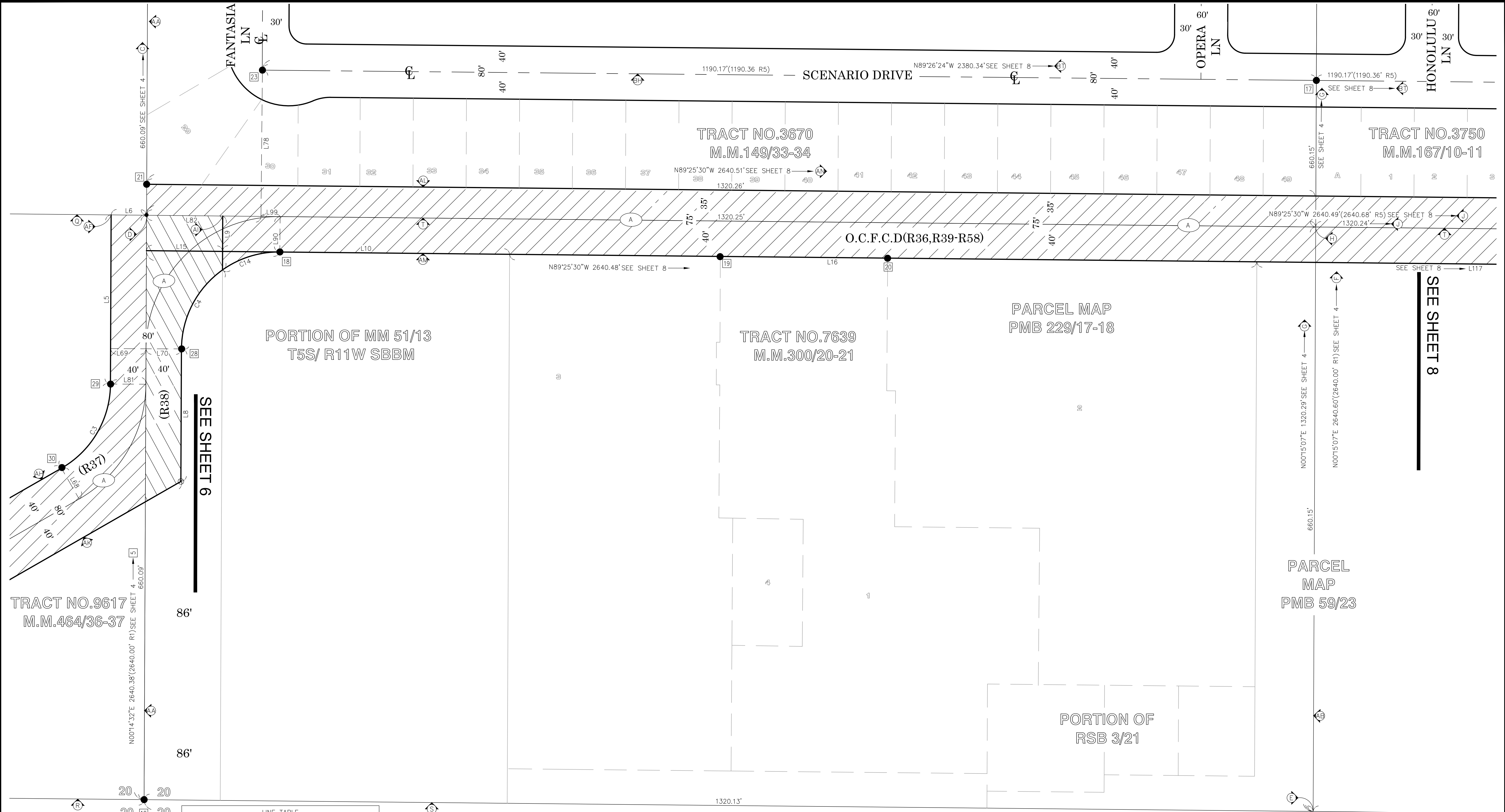
CURVE TABLE					
CURVE #	DELTA	RADIUS	LENGTH	RECORD DELTA	RECORD RADIUS
C1	15°44'40"	339.99'	93.43'	15°44'40"(R37)	340.00'(R37)
C2	30°21'20"	110.00'	58.28'	30°21'26"(R37)	110.00'(R37)
C3	59°54'55"	110.00'	115.03'	59°55'10"(R37)	110.00'(R37)
C4	54°22'20"	110.00'	104.39'	54°25'00"(R38)	110.00'(R38)
C13	35°55'07"	110.00'	68.96'	35°55'07"(R36)	110.00'(R36)

0' 25' 50' 100' 150'
SCALE: 1" = 50'

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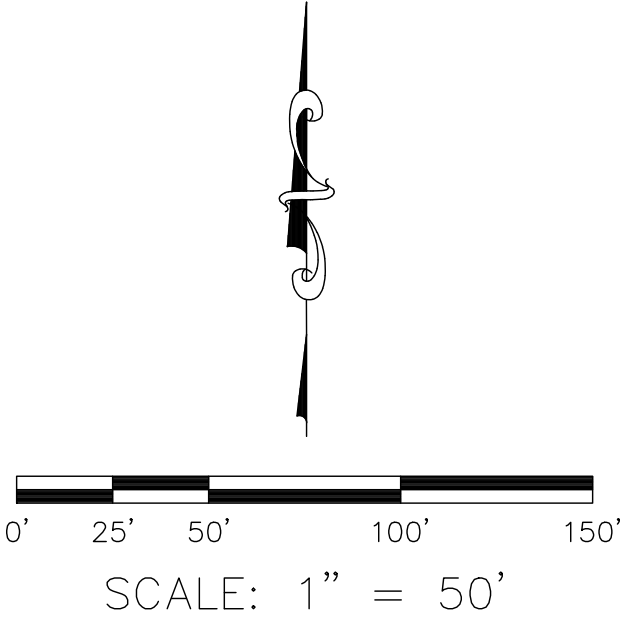
			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			SUNSET CHANNEL(C07) BOUNDARY MAP		
			BOUNDARY MAP		
			PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE		
			DATE OF SURVEY: 08/06/2020		
			BY: K. AHMED		
			BY: M. KUBISTY, PLS		
			BY: T. LOFGREEN		
			SCALE: 1" = 50'		
			W.O. #EF21470		
			FILE #1920FW-FM0004		
			FILE: SUNSET_CHANNEL_BOUNDARY_202111-16_KAI.DWG		
			SHEET NO. 6 of 26		



LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L5	N00°14'23"E	191.15'	191.15'(R37)
L6	N89°25'20"W	40.00'	40.00'(R37)
L8	N00°14'32"E	149.76'	149.68'(R38)
L9	N00°14'32"E	60.92'	60.92'(R38)
L10	N89°25'30"W	324.09'	324.48'(R36 & R37)
L15	N89°25'30"W	86.00'	86.00'(R38)
L16	N89°25'30"W	843.84'	843.86'(R18)
L78	N00°34'30"E	165.22'	
L82	N89°25'39"W	129.16'	

CURVE TABLE						
CURVE #	DELTA	RADIUS	LENGTH	RECORD DELTA	RECORD RADIUS	RECORD LENGTH
C3	59°54'55"	110.00'	115.03'	59°55'10"(R37)	110.00'(R37)	115.04'(R37)
C4	54°22'20"	110.00'	104.39'	54°25'00"(R38)	110.00'(R38)	104.47'(R38)

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L90	N00°34'30"E	40.01'	40.00'(R36)
L99	N89°26'17"W	21.68'	
L117	N89°25'30"W	259.24'	



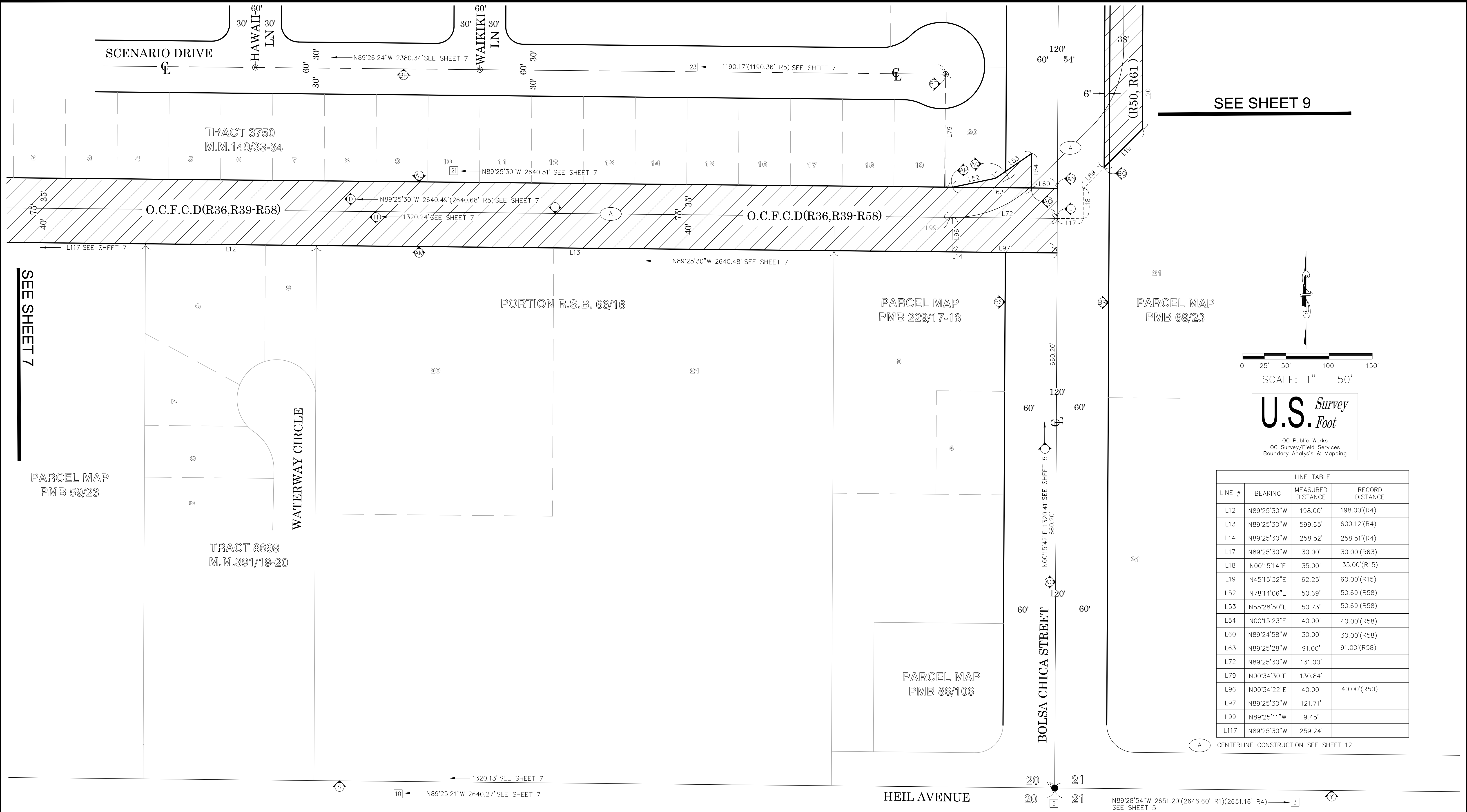
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			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			SUNSET CHANNEL(C07) BOUNDARY MAP		
			BOUNDARY MAP		
			PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE		
			DATE OF SURVEY: 08/06/2020	BY: TLOFGREEN & PARTY	SHEET NO. 7 of 26
			MAPPING	BY: K. AHMED	
			OFFICE CHECK	BY: M. KUBISTY, PLS	
			FIELD CHECK	BY: TLOFGREEN	
			SCALE: 1" = 50'	W.O. #EF21470	FILE #1920PW-FM0004
			FILE: SUNSET_CHANNEL_BOUNDARY_202111-16_KAI.DWG		
			REVISIONS		



SEE SHEET 9



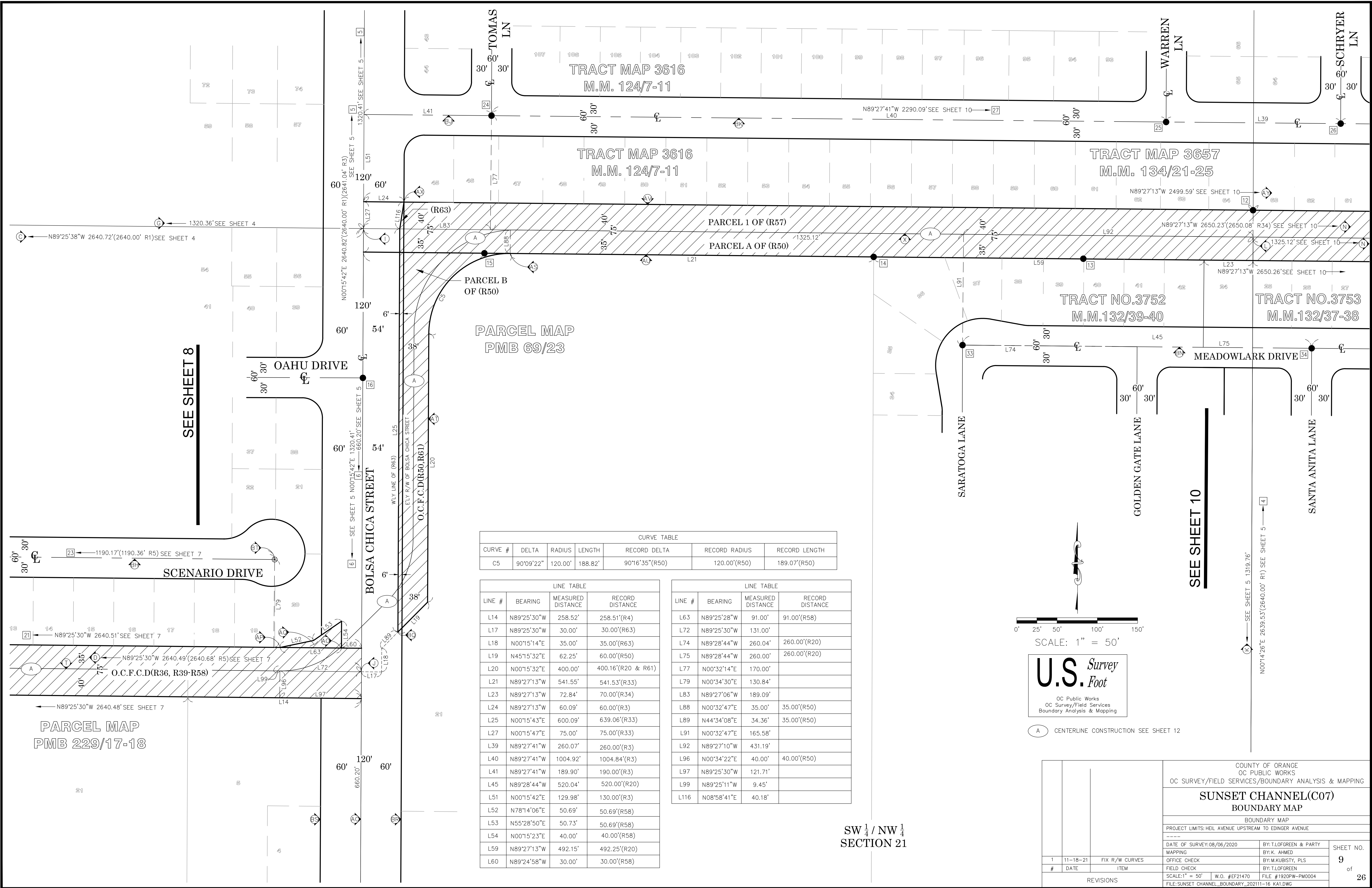
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LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L12	N89°25'30"W	198.00'	198.00'(R4)
L13	N89°25'30"W	599.65'	600.12'(R4)
L14	N89°25'30"W	258.52'	258.51'(R4)
L17	N89°25'30"W	30.00'	30.00'(R6.3)
L18	N00°15'14"E	35.00'	35.00'(R15)
L19	N45°15'32"E	62.25'	60.00'(R15)
L52	N78°14'06"E	50.69'	50.69'(R58)
L53	N55°28'50"E	50.73'	50.69'(R58)
L54	N00°15'23"E	40.00'	40.00'(R58)
L60	N89°24'58"W	30.00'	30.00'(R58)
L63	N89°25'28"W	91.00'	91.00'(R58)
L72	N89°25'30"W	131.00'	
L79	N00°34'30"E	130.84'	
L96	N00°34'22"E	40.00'	40.00'(R50)
L97	N89°25'30"W	121.71'	
L99	N89°25'11"W	9.45'	
L117	N89°25'30"W	259.24'	

CENTERLINE CONSTRUCTION SEE SHEET 12

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			SUNSET CHANNEL(C07) BOUNDARY MAP		
			BOUNDARY MAP		
			PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE		
			DATE OF SURVEY:08/06/2020	BY:TLOFGREEN & PARTY	SHEET NO. 8 of 26
			MAPPING	BY:K. AHMED	
			OFFICE CHECK	BY:M.KUBISTY, PLS	
			FIELD CHECK	BY:TLOFGREEN	
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REVISIONS			FILE:SUNSET_CHANNEL_BOUNDARY_202111-16_KAI.DWG		

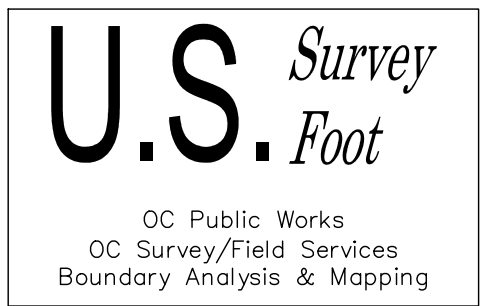
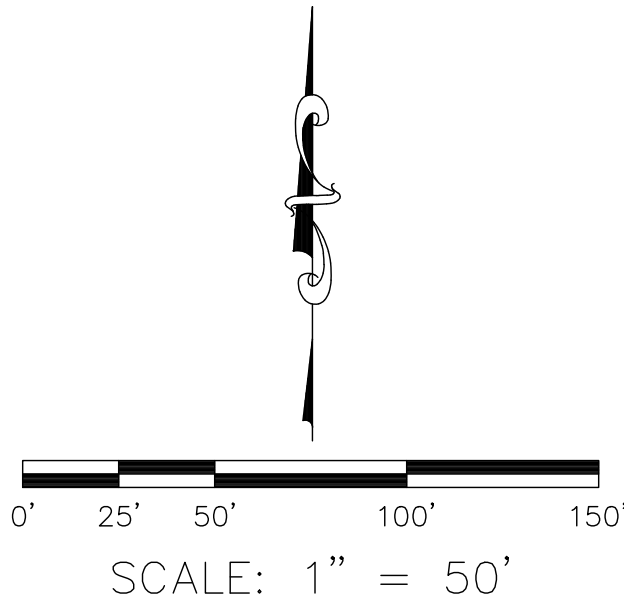


CURVE TABLE					
CURVE #	DELTA	RADIUS	LENGTH	RECORD DELTA	RECORD RADIUS
C5	90°09'22"	120.00'	188.82'	90°16'35"(R50)	120.00'(R50)

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L14	N89°25'30"W	258.52'	258.51'(R4)
L17	N89°25'30"W	30.00'	30.00'(R63)
L18	N00°15'14"E	35.00'	35.00'(R63)
L19	N45°15'32"E	62.25'	60.00'(R50)
L20	N00°15'32"E	400.00'	400.16'(R20 & R61)
L21	N89°27'13"W	541.55'	541.53'(R33)
L23	N89°27'13"W	72.84'	70.00'(R34)
L24	N89°27'13"W	60.09'	60.00'(R3)
L25	N00°15'43"E	600.09'	639.06'(R33)
L27	N00°15'47"E	75.00'	75.00'(R33)
L39	N89°27'41"W	260.07'	260.00'(R3)
L40	N89°27'41"W	1004.92'	1004.84'(R3)
L41	N89°27'41"W	189.90'	190.00'(R3)
L45	N89°28'44"W	520.04'	520.00'(R20)
L51	N00°15'42"E	129.98'	130.00'(R3)
L52	N78°14'06"E	50.69'	50.69'(R58)
L53	N55°28'50"E	50.73'	50.69'(R58)
L54	N00°15'23"E	40.00'	40.00'(R58)
L59	N89°27'13"W	492.15'	492.25'(R20)
L60	N89°24'58"W	30.00'	30.00'(R58)

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L63	N89°25'28"W	91.00'	91.00'(R58)
L72	N89°25'30"W	131.00'	
L74	N89°28'44"W	260.04'	260.00'(R20)
L75	N89°28'44"W	260.00'	260.00'(R20)
L77	N00°32'14"E	170.00'	
L79	N00°34'30"E	130.84'	
L83	N89°27'06"W	189.09'	
L88	N00°32'47"E	35.00'	35.00'(R50)
L89	N44°34'08"E	34.36'	35.00'(R50)
L91	N00°32'47"E	165.58'	
L92	N89°27'10"W	431.19'	
L96	N00°34'22"E	40.00'	40.00'(R50)
L97	N89°25'30"W	121.71'	
L99	N89°25'11"W	9.45'	
L116	N08°58'41"E	40.18'	

SW 1/4 / NW 1/4
SECTION 21



A CENTERLINE CONSTRUCTION SEE SHEET 12

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			SUNSET CHANNEL(C07) BOUNDARY MAP		
			BOUNDARY MAP		
			PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE		
DATE OF SURVEY: 08/06/2020			BY: TLOFGREEN & PARTY		SHEET NO. 9 of 26
MAPPING		BY: K. AHMED			
OFFICE CHECK		BY: M. KUBISTY, PLS			
FIELD CHECK		BY: TLOFGREEN			
SCALE: 1" = 50'			W.O. #EF21470		
FILE: SUNSET_CHANNEL_BOUNDARY_202111-16_KA1.DWG			FILE #1920FW-PM0004		
REVISIONS					

NW 1/4 / NW 1/4
SECTION 21

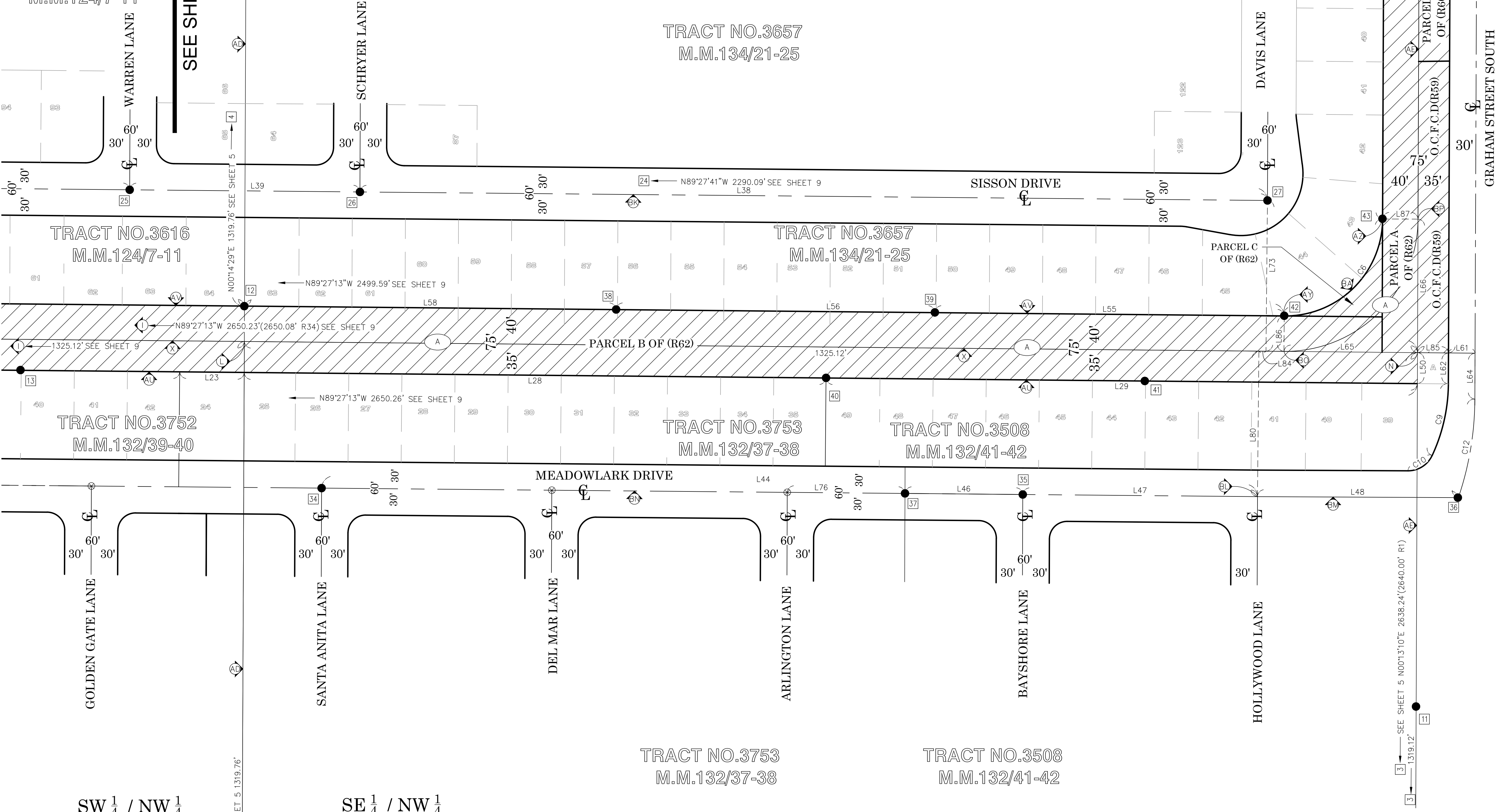
TRACT NO.3616
M.M.124/7-11

NE 1/4 / NW 1/4
SECTION 21

TRACT NO.3657
M.M.134/21-25

TRACT NO.3657
M.M.134/21-25

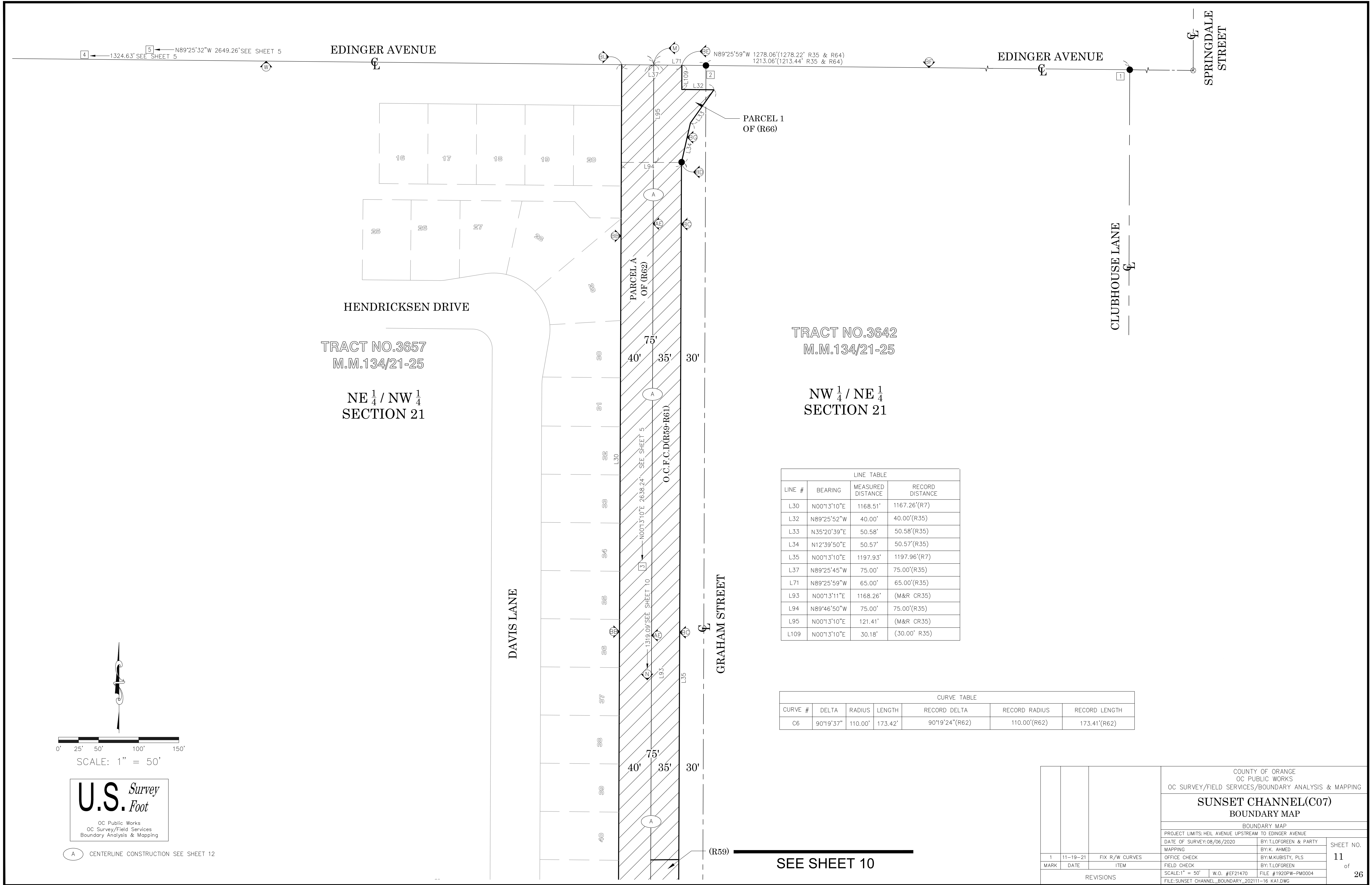
SEE SHEET 11



LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L23	N89°27'13"W	72.84'	70.00'(R34)
L28	N89°27'13"W	657.20'	660.00'(R34)
L29	N89°27'13"W	667.92'	667.55'(R34)
L35	N00°13'10"E	1197.93'	1197.96'(R35)
L38	N89°27'41"W	1025.09'	1024.99'(R34)
L39	N89°27'41"W	260.07'	260.00'(R34)
L44	N89°28'44"W	1057.11'	1057.00'(R6 & R34)
L45	N89°28'44"W	520.04'	520.00'(R20)
L46	N89°28'44"W	133.01'	133.00'(R34)
L47	N89°28'44"W	265.15'	266.00'(R34)
L48	N89°43'25"W	226.27'	226.50'(R6)
L50	N00°12'01"E	34.99'	35.00'(R34)
L55	N89°27'13"W	394.68'	394.44'(R7)
L56	N89°27'13"W	360.02'	360.00'(R7)
L58	N89°27'13"W	419.77'	420.00'(R7)
L64	N00°13'04"E	51.91'	51.91'(R7)
L65	N89°27'13"W	150.86'	150.86'(R7)
L66	N00°13'11"E	150.86'	150.86'(R7)
L73	N00°33'21"E	170.31'	170.00'(R37)
L76	N89°28'44"W	132.98'	133.00'(R34)
L80	N00°32'47"E	164.41'	165.00'(R6)
L84	N89°27'34"W	8.04'	
L85	N89°27'13"W	35.00'	35.00'(R53)
L86	N00°32'19"E	40.00'	40.00'(R62)
L87	N89°46'50"W	40.00'	40.00'(R62)
L93	N00°13'11"E	1168.26'	

CURVE TABLE					
CURVE #	DELTA	RADIUS	LENGTH	RECORD DELTA	RECORD RADIUS
C6	90°19'37"	110.00'	173.42'	90°19'24"(R62)	110.00'(R62)
C9	24°48'29"	195.00'	84.43'	24°46'48"(R6)	195.00'(R6)
C10	65°11'18"	30.00'	34.13'	65°18'23"(R6)	30.00'(R6)
C12	18°32'50"	350.00'	113.30'	52°51'30"(R6)	350.00'(R6)

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
			SUNSET CHANNEL(C07) BOUNDARY MAP	
			BOUNDARY MAP	
			PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE	
			DATE OF SURVEY: 08/06/2020	
			BY: TLOFGREEN & PARTY	
			BY: K. AHMED	
			BY: M. KUBISTY, PLS	
			BY: TLOFGREEN	
			SCALE: 1" = 50'	
			W.O. #EF21470	
			FILE #1920PW-FM0004	
			FILE: SUNSET_CHANNEL_BOUNDARY_202111-16_KAI.DWG	
			SHEET NO. 10 of 26	



ESTABLISHMENT NOTE

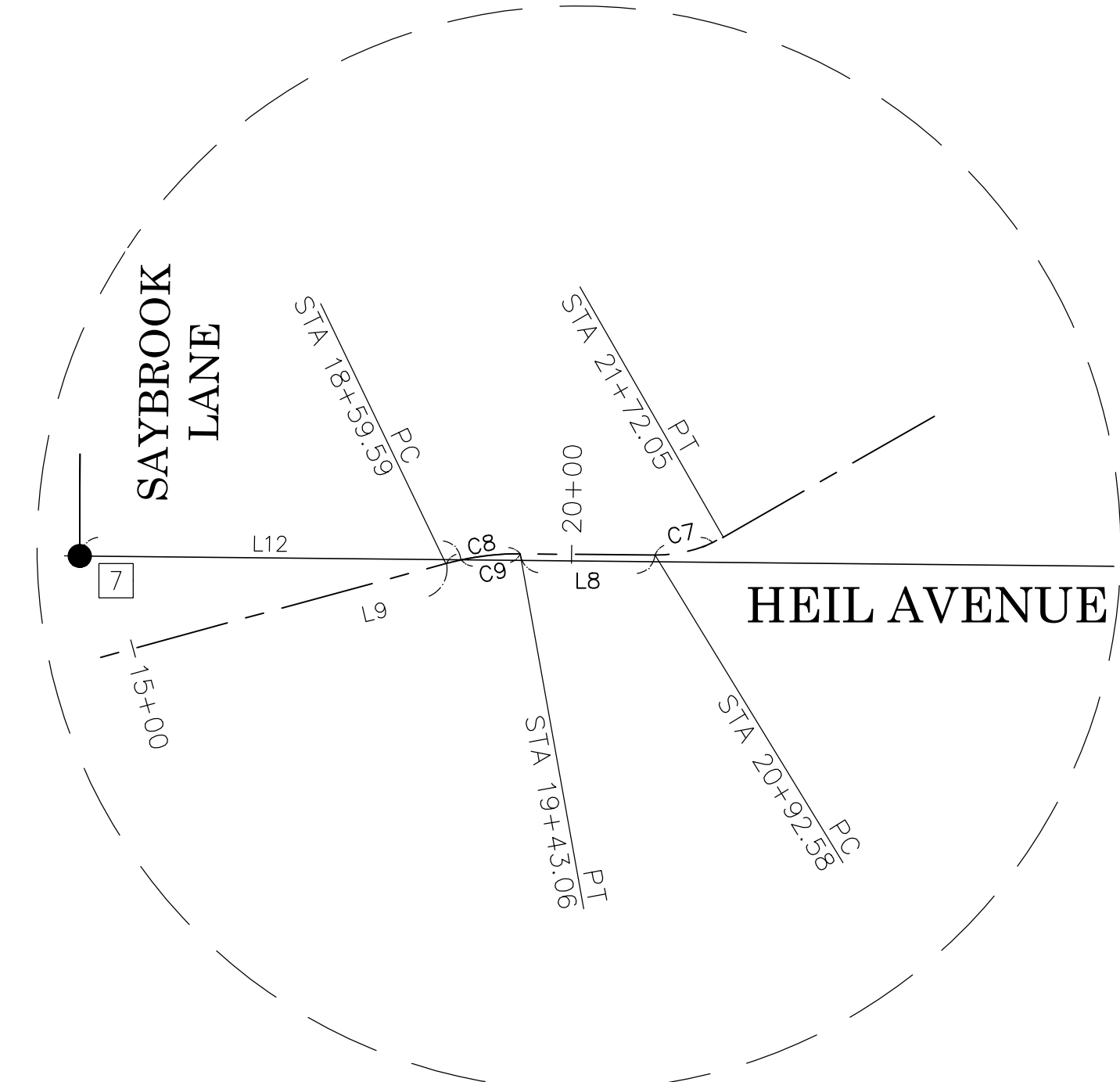
THE CENTERLINE CONSTRUCTION ALIGNMENT SHOWN HEREON WAS DEVELOPED BY HOLDING THE INTENT OF RECORD DRAWING C07-101-1A BY SPLITTING PERTINENT OCFCD DEEDS, RUNNING ALONG ESTABLISHED SECTION LINES, AND HOLDING RECORD RADII PER SAID RECORD PLANS (PER DIRECTIVE OF CIVIL ENGINEER, ROBERT MCLEAN R.C.E.).

BASIS OF STATIONING

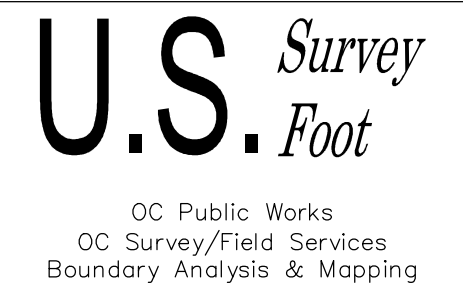
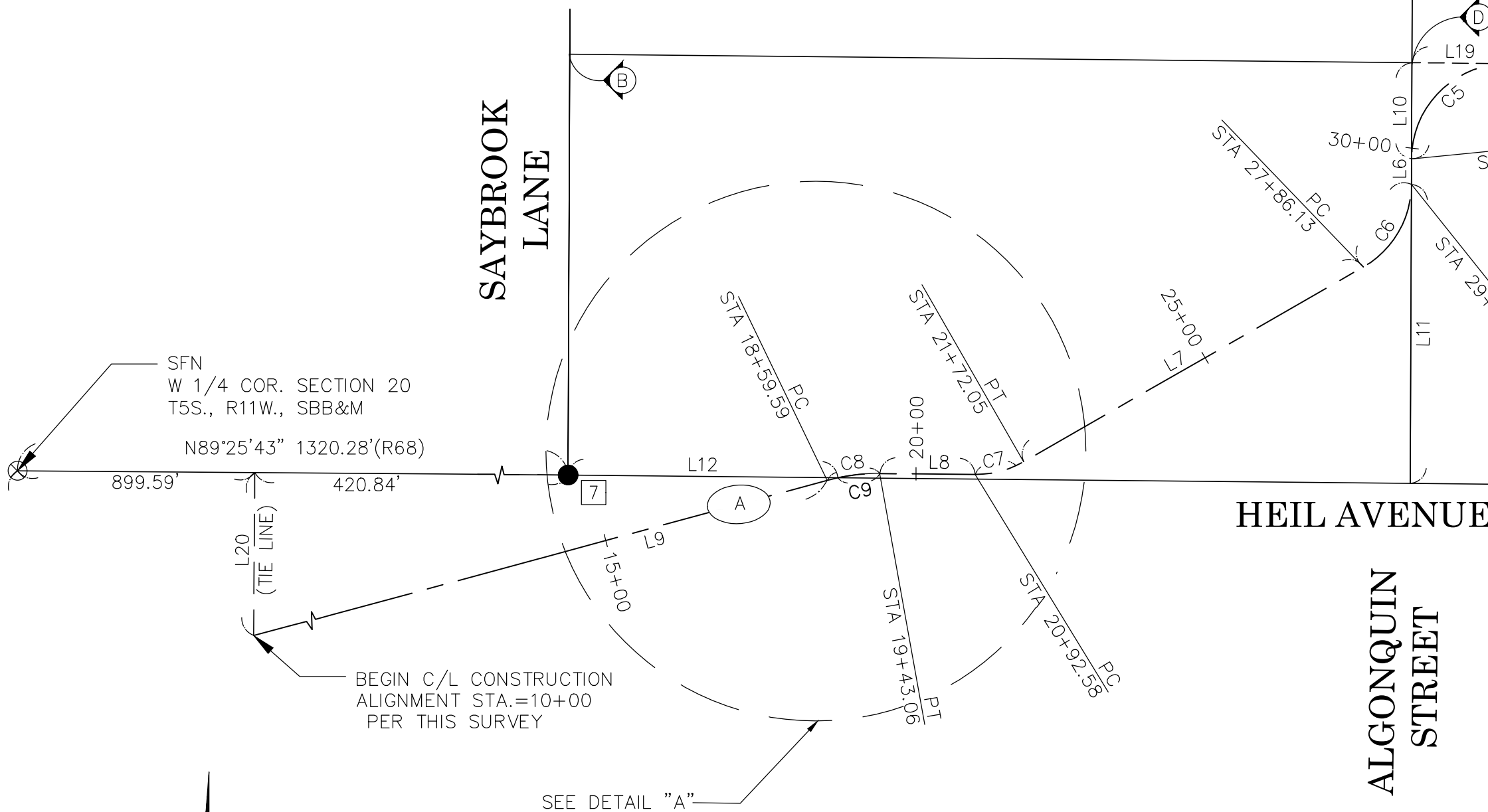
THE BASIS OF STATIONING FOR THE CENTERLINE CONSTRUCTION ALIGNMENT SHOWN HEREON WAS DEVELOPED HOLDING A STATION OF 10+00 AT A RECORD DISTANCE PER DRAWINGS C07-101-1A SWLY AND TANGENT FROM THE INTERSECTION OF HEIL AVENUE & COURSE "C8" SHOWN IN CURVE TABLE HEREON (PER DIRECTIVE OF CIVIL ENGINEER, ROBERT MCLEAN R.C.E.).

LINE TABLE		
LINE #	BEARING	MEASURED DISTANCE
L1	N00°13'10"E	1168.26'
L2	S89°27'13"E	2272.63'
L3	N00°15'42"E	312.02'
L4	N45°25'27"E	94.15'
L5	S89°25'30"E	2368.11'
L6	N00°14'42"E	40.16'
L7	N60°09'52"E	614.08'
L8	S89°28'48"E	149.52'
L9	N74°46'32"E	859.59'

LINE TABLE		
LINE #	BEARING	MEASURED DISTANCE
L10	N00°14'32"E	150.88'
L11	N00°14'32"E	469.06'
L12	N89°25'43"W	422.88'
L13	N89°25'30"W	121.49'
L14	N00°13'10"E	150.86'
L15	N89°27'13"W	150.86'
L17	N89°25'59"W	65.00'
L18	N89°27'13"W	226.75'
L19	N89°25'30"W	150.88'
L20	N00°34'23"E	238.20'



DETAIL "A"
N.T.S



SCALE: 1" = 200'

(A) CENTERLINE CONSTRUCTION ALIGNMENT PER THIS SURVEY

NE 1/4 / NE 1/4
SECTION 20

BOLSA CHICA STREET

SISSON DRIVE

SW 1/4 / NW 1/4
SECTION 21

CURVE TABLE			
CURVE #	DELTA	RADIUS	LENGTH
C1	90°19'37"	150.00'	236.48'
C2	90°17'04"	150.00'	236.36'
C3	45°09'33"	130.00'	102.46'
C4	45°09'45"	130.00'	102.47'
C5	90°20'42"	150.00'	236.52'
C6	59°55'10"	150.00'	156.87'
C7	30°21'20"	150.00'	79.47'
C8	15°44'40"	303.76'	83.47'
C9	12°29'43"	303.76'	66.25'

EDINGER AVENUE

GRAHAM STREET

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			SUNSET CHANNEL(C07) CHANNEL REHABILITATION		
			ALIGNMENT SHEET		
			PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE		
			DATE OF SURVEY: 08/06/2020	BY: T.L.OFGREEN & PARTY	SHEET NO. 12 of 26
			MAPPING	BY: K.AHMED	
			OFFICE CHECK	BY: M.KUBISTY, PLS.	
			FIELD CHECK	BY: T.L.OFGREEN	
MARK	DATE	ITEM	SCALE: 1"=200'	W.O. #EF21470	FILE #1920PW-PM0004
REVISIONS			FILE: SUNSET_CHANNEL_ALIGNMNT_2021 (005).DWG		

SYMBOL

Bush

Control Box Cable TV

Control Box Electrical

Control Box Traffic

Control Point

Fire Hydrant

Gate, Double

Gate, Single

Grate Inlet

Guy Wire Anchor

Manhole Storm Drain

Meter Water

Pier Column

Pipe Inlet/Outlet

Post

Pull Box Cable TV

Pull Box Electrical

Pull Box Traffic

Pull Box Undefined

Sewer Cleanout

Sign Board

Sign Post

Light Pole

Tree

Utility Pole

Valve Gas

Valve Irrigation

Vault Telephone

Signal-Steel

AREA PATTERN KEY

Concrete

Dirt/Gravel

Rip Rap

LINE PATTERN KEY

Bush Row Outline

Centerline

Block Wall

Edge of Concrete

Edge of Asphalt Pavement

Fence Barbed-Wire

Fence Chainlink

Fence Plastic

Fence Post and Wire

Fence Wood

Flowline

Hinge Point

Right of Way

ABBREVIATION

AC

Asphalt Concrete

CL

Centerline

CONC

Concrete

EL

Elevation

FL

Flowline

INV

Invert

PP

Power Pole

TLMH

Telephone Manhole

TC

Top of Curb

TW

Top of Wall

ENC.

Encroachment

CLF.

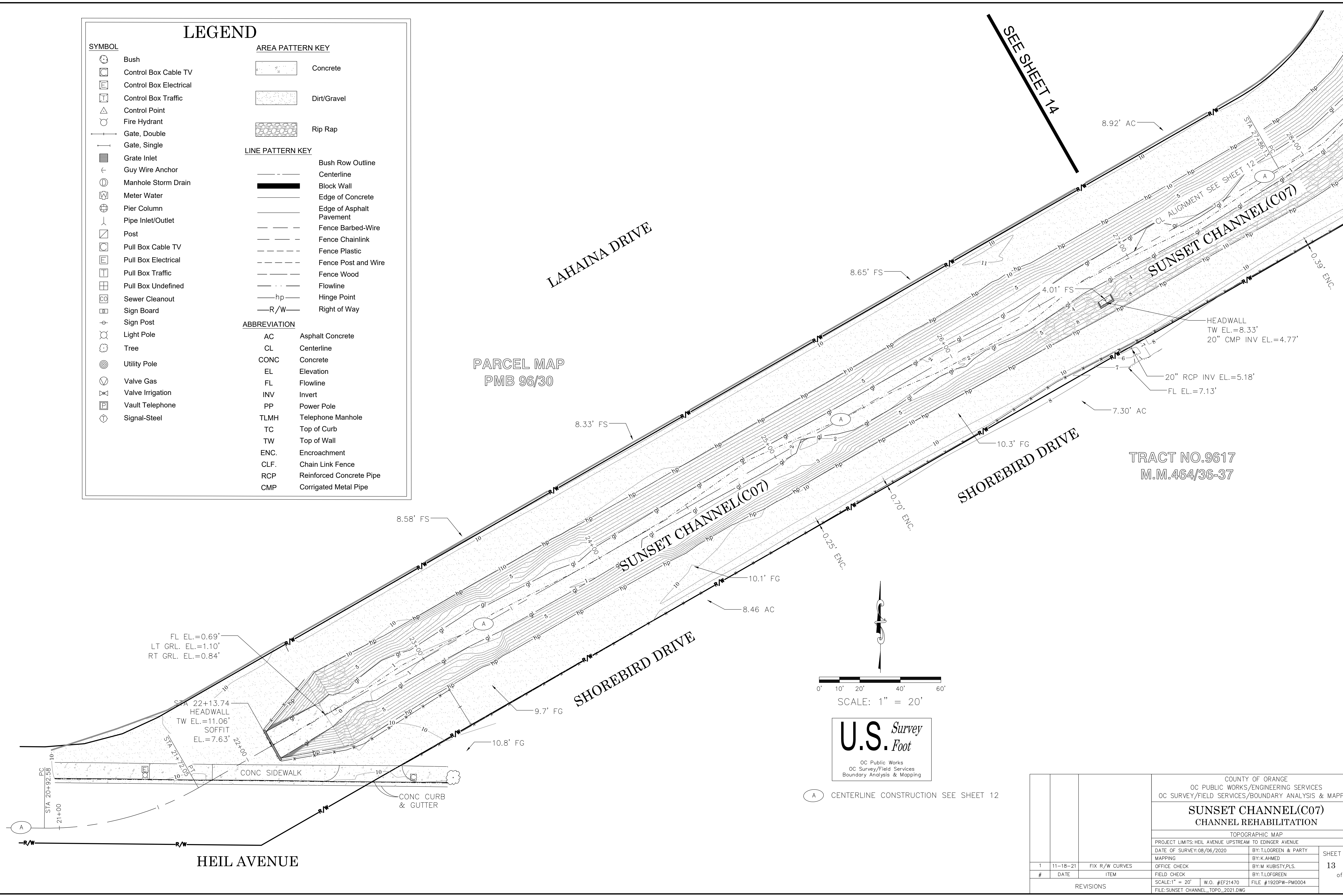
Chain Link Fence

RCP

Reinforced Concrete Pipe

CMP

Corrugated Metal Pipe



				COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
				SUNSET CHANNEL(C07) CHANNEL REHABILITATION		
				TOPOGRAPHIC MAP		
				PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE		
		DATE OF SURVEY:08/06/2020		BY:T.LOGREEN & PARTY		SHEET NO.
		MAPPING		BY:K.AHMED		
1	11-18-21	FIX R/W CURVES		OFFICE CHECK		13 of 26
#	DATE	ITEM		FIELD CHECK		
		SCALE:1" = 20'		W.O. #EF21470	FILE #1920PW-PM0004	
		FILE:SUNSET_CHANNEL_TOPO_2021.DWG				
		REVISIONS				

LEGEND

SYMBOL	AREA PATTERN KEY
	Concrete
	Dirt/Gravel
	Rip Rap

LINE PATTERN KEY	ABBREVIATION
	AC Asphalt Concrete
	CL Centerline
	CONC Concrete
	EL Elevation
	FL Flowline
	INV Invert
	PP Power Pole
	TLMH Telephone Manhole
	TC Top of Curb
	TW Top of Wall
	ENC Encroachment
	CLF Chain Link Fence
	RCP Reinforced Concrete Pipe
	CMP Corrugated Metal Pipe

PARCEL MAP
PMB 108/47-48

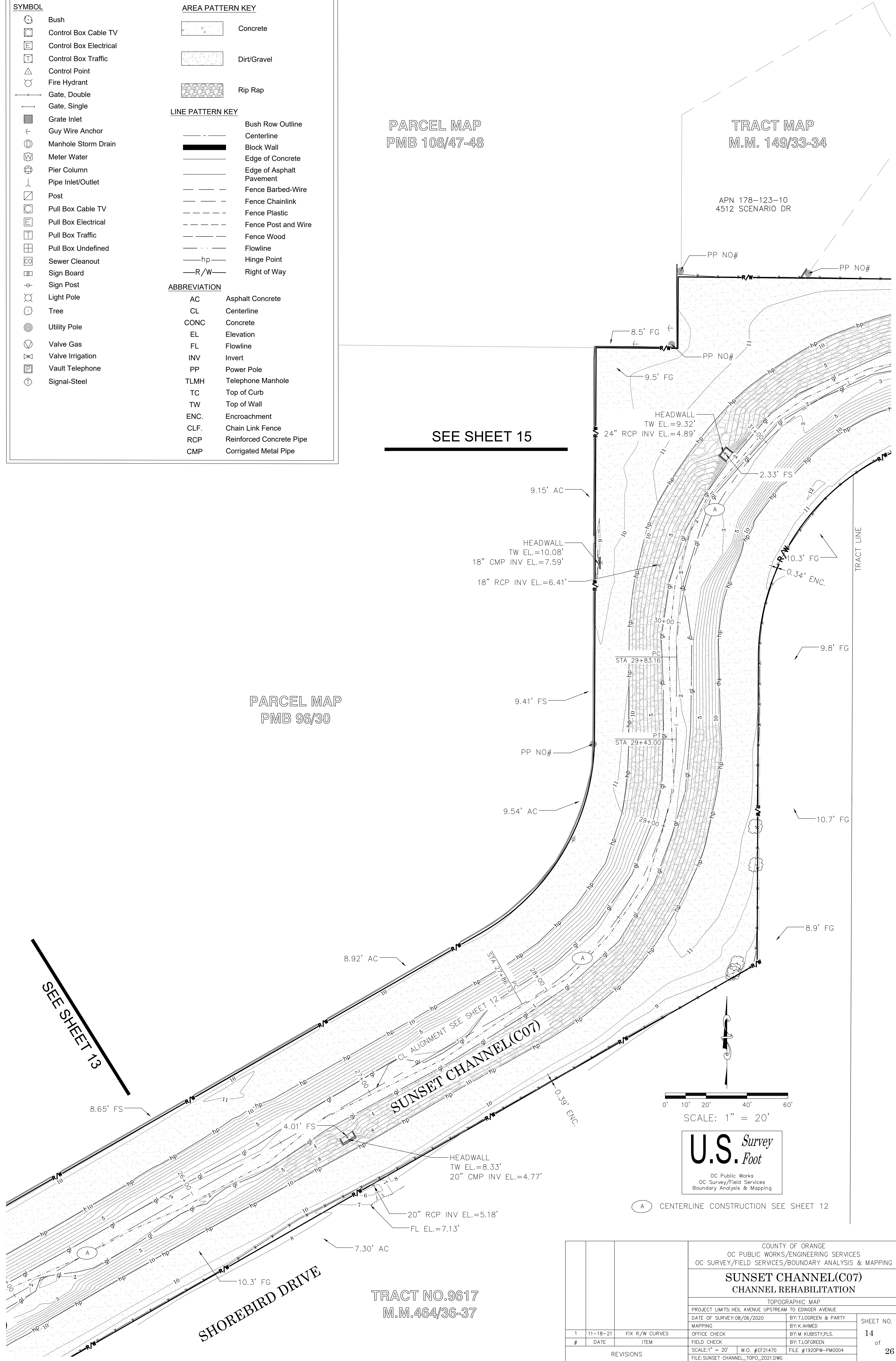
TRACT MAP
M.M. 149/33-34

APN 178-123-10
4512 SCENARIO DR

SEE SHEET 15

PARCEL MAP
PMB 96/30

SEE SHEET 13



TRACT NO.9617
M.M.464/36-37

SHOREBIRD DRIVE

				COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
				SUNSET CHANNEL(C07) CHANNEL REHABILITATION	
				TOPOGRAPHIC MAP	
				PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE	
				DATE OF SURVEY:08/06/2020	
1	11-18-21	FIX R/W CURVES	BY: TLOGREEN & PARTY		SHEET NO. 14 of 26
			BY: K.AHMED		
			BY: M. KUBISTY,PLS.		
			BY: TLOGREEN		
REVISIONS			SCALE:1" = 20'	W.O. #EF21470	FILE #1920PW-PM0004
			FILE:SUNSET_CHANNEL_TOPO_2021.DWG		

LEGEND

SYMBOL

- Bush
- Control Box Cable TV
- Control Box Electrical
- Control Box Traffic
- Control Point
- Fire Hydrant
- Gate, Double
- Gate, Single
- Grate Inlet
- Guy Wire Anchor
- Manhole Storm Drain
- Meter Water
- Pier Column
- Pipe Inlet/Outlet
- Post
- Pull Box Cable TV
- Pull Box Electrical
- Pull Box Traffic
- Pull Box Undefined
- Sewer Cleanout
- Sign Board
- Sign Post
- Light Pole
- Tree
- Utility Pole
- Valve Gas
- Valve Irrigation
- Vault Telephone
- Signal-Steel

AREA PATTERN KEY

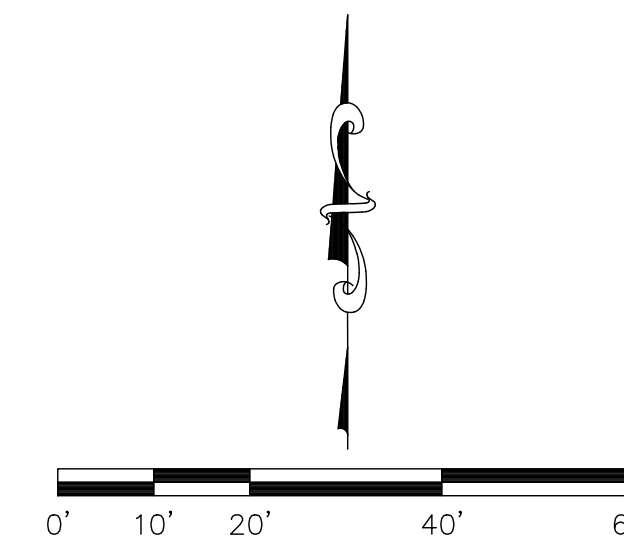
- Concrete
- Dirt/Gravel
- Rip Rap

LINE PATTERN KEY

- Bush Row Outline
- Centerline
- Block Wall
- Edge of Concrete
- Edge of Asphalt Pavement
- Fence Barbed-Wire
- Fence Chainlink
- Fence Plastic
- Fence Post and Wire
- Fence Wood
- Flowline
- Hinge Point
- Right of Way

ABBREVIATION

- AC Asphalt Concrete
- CL Centerline
- CONC Concrete
- EL Elevation
- FL Flowline
- INV Invert
- PP Power Pole
- TLMH Telephone Manhole
- TC Top of Curb
- TW Top of Wall
- ENC. Encroachment
- CLF. Chain Link Fence
- RCP Reinforced Concrete Pipe
- CMP Corrugated Metal Pipe



SCALE: 1" = 20'

U.S. Survey

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

A CENTERLINE CONSTRUCTION SEE SHEET 12

SCENARIO DRIVE

TRACT NO.3670
M.M.149/33-34

PARCEL MAP
PMB 108/47-48

APN 178-123-10
4512 SCENARIO DR

APN 178-123-11
4522 SCENARIO DR

APN 178-123-12
4532 SCENARIO DR

APN 178-123-13
4542 SCENARIO DR

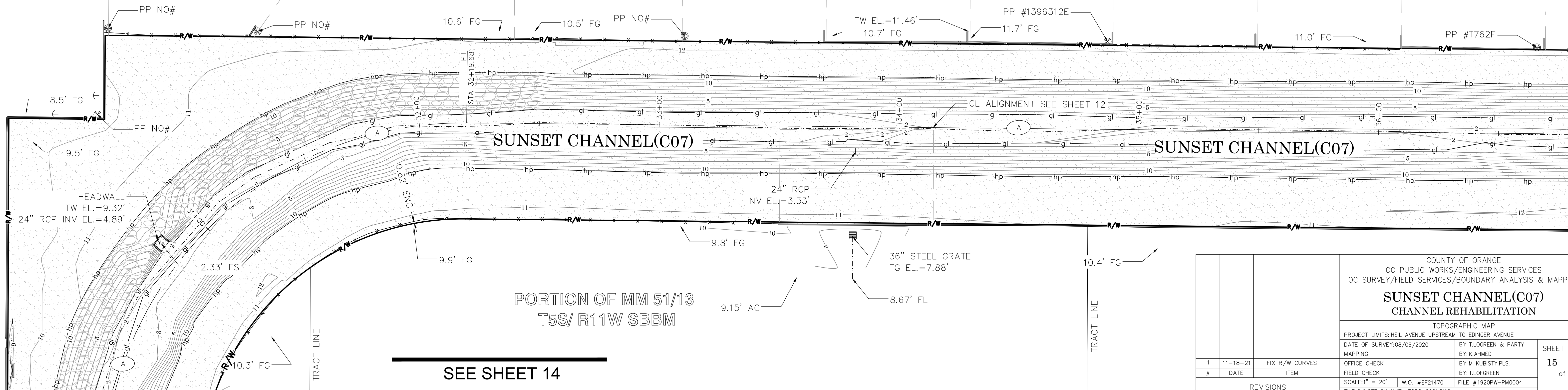
APN 178-123-14
4552 SCENARIO DR

APN 178-123-15
4572 SCENARIO DR

APN 178-123-16
4582 SCENARIO DR

APN 178-123-17
4592 SCENARIO DR

APN 178-123-18
4602 SCENARIO DR



PORTION OF MM 51/13
T5S/ R11W SBBM

SEE SHEET 14

COUNTY OF ORANGE
OC PUBLIC WORKS/ENGINEERING SERVICES
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING

SUNSET CHANNEL(C07)
CHANNEL REHABILITATION

TOPOGRAPHIC MAP				SHEET NO. 15 of 26
PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE				
DATE OF SURVEY: 08/06/2020		BY: TLOGREEN & PARTY		
MAPPING		BY: K.AHMED		
OFFICE CHECK		BY: M. KUBISTY, PLS.		
FIELD CHECK		BY: TLOGREEN		
SCALE: 1" = 20'		W.O. #EF21470		
FILE #1920FW-FM0004				
FILE: SUNSET_CHANNEL_TOPO_2021.DWG				

#	DATE	ITEM
1	11-18-21	FIX R/W CURVES
REVISIONS		

SEE SHEET 16

LEGEND

SYMBOL

- Bush
- Control Box Cable TV
- Control Box Electrical
- Control Box Traffic
- Control Point
- Fire Hydrant
- Gate, Double
- Gate, Single
- Grate Inlet
- Guy Wire Anchor
- Manhole Storm Drain
- Meter Water
- Pier Column
- Pipe Inlet/Outlet
- Post
- Pull Box Cable TV
- Pull Box Electrical
- Pull Box Traffic
- Pull Box Undefined
- Sewer Cleanout
- Sign Board
- Sign Post
- Light Pole
- Tree
- Utility Pole
- Valve Gas
- Valve Irrigation
- Vault Telephone
- Signal-Steel

AREA PATTERN KEY

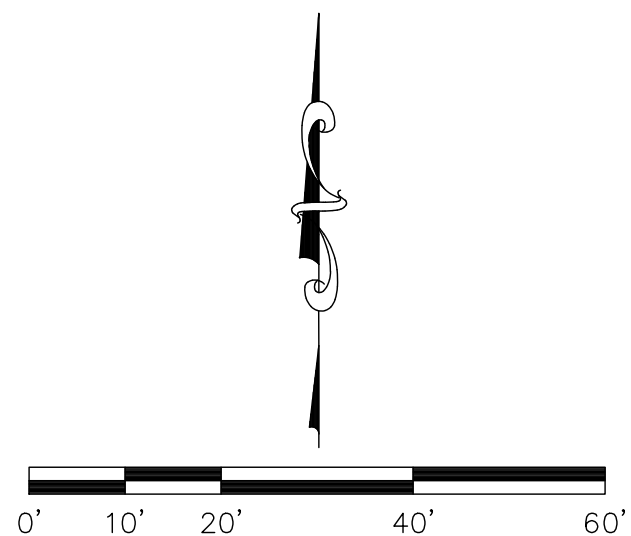
- Concrete
- Dirt/Gravel
- Rip Rap

LINE PATTERN KEY

- Bush Row Outline
- Centerline
- Block Wall
- Edge of Concrete
- Edge of Asphalt Pavement
- Fence Barbed-Wire
- Fence Chainlink
- Fence Plastic
- Fence Post and Wire
- Fence Wood
- Flowline
- Hinge Point
- Right of Way

ABBREVIATION

- AC Asphalt Concrete
- CL Centerline
- CONC Concrete
- EL Elevation
- FL Flowline
- INV Invert
- PP Power Pole
- TLMH Telephone Manhole
- TC Top of Curb
- TW Top of Wall
- ENC. Encroachment
- CLF. Chain Link Fence
- RCP Reinforced Concrete Pipe
- CMP Corrigated Metal Pipe



SCALE: 1" = 20'

U.S. Survey Foot

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

A CENTERLINE CONSTRUCTION SEE SHEET 12

SEE SHEET 15

SEE SHEET 17

SCENARIO DRIVE

APN 178-123-19
4602 SCENARIO DR

TRACT NO.3670
M.M.149/33-34

APN 178-123-20
4620 SCENARIO DR

APN 178-123-21
4632 SCENARIO DR

APN 178-123-22
4642 SCENARIO DR

APN 178-123-23
4652 SCENARIO DR

APN 178-123-24
4662 SCENARIO DR

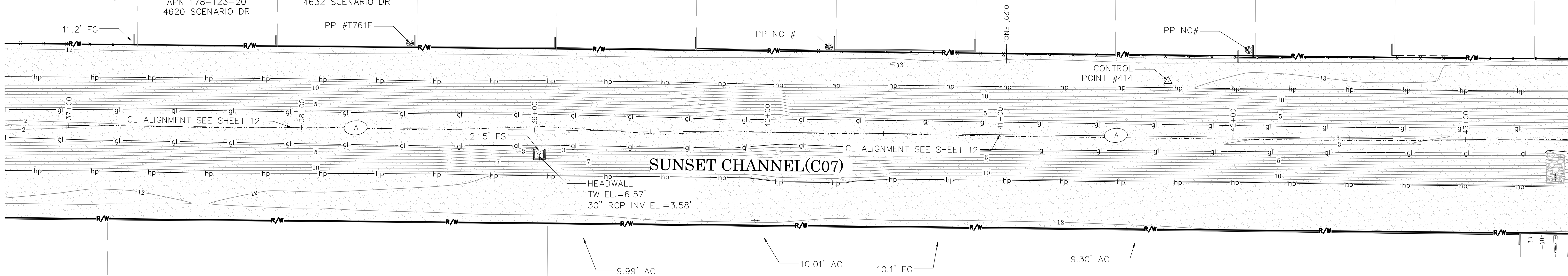
APN 178-123-25
4672 SCENARIO DR

APN 178-123-26
4692 SCENARIO DR

APN 178-123-27
4702 SCENARIO DR

APN 178-123-28
4712 SCENARIO DR

APN 178-123-29
4722 SCENARIO DR



SUNSET CHANNEL(C07)

HEADWALL
TW EL.=6.57'
30" RCP INV EL.=3.58'

PORTION OF MM 51/13
T5S/ R11W SBBM

APN 178-161-38
16401 DE ANZA CIRCLE

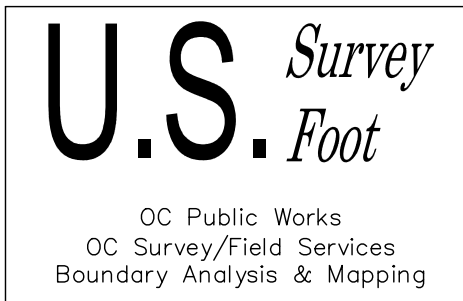
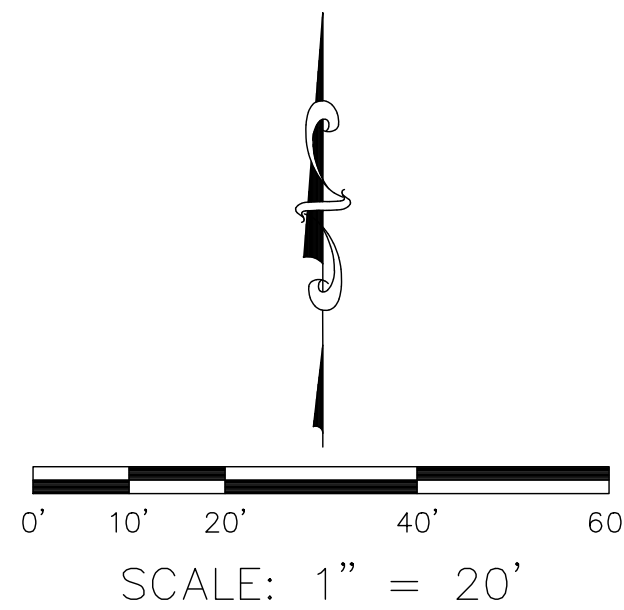
TRACT NO.7639
M.M.300/20-21

APN 178-161-38
16421 CALLE CASTOR CIRCLE

CALLE PARQUE DRIVE

				COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
				SUNSET CHANNEL(C07) CHANNEL REHABILITATION			
				TOPOGRAPHIC MAP			
				PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE			
				DATE OF SURVEY: 08/06/2020		BY: TLOGREEN & PARTY	
MAPPING		BY: K.AHMED					
OFFICE CHECK		BY: M.KUBISTY, PLS.					
FIELD CHECK		BY: TLOGREEN					
SCALE: 1" = 20'		W.O. #EF21470					
FILE: SUNSET_CHANNEL_TOPO_2021.DWG		FILE # 1920PW-PM0004					
1		11-18-21		FIX R/W CURVES			
#		DATE		ITEM			
REVISIONS							

SEE SHEET 16



A CENTERLINE CONSTRUCTION SEE SHEET 12

SCENARIO DRIVE

TRACT NO.3670
M.M.149/33-34

APN 178-123-30
4732 SCENARIO DR

APN 178-085-39
4742 SCENARIO DR

APN 178-085-38
4752 SCENARIO DR

APN 178-085-37
4762 SCENARIO DR

APN 178-085-36
4772 SCENARIO DR

APN 178-085-35
4782 SCENARIO DR

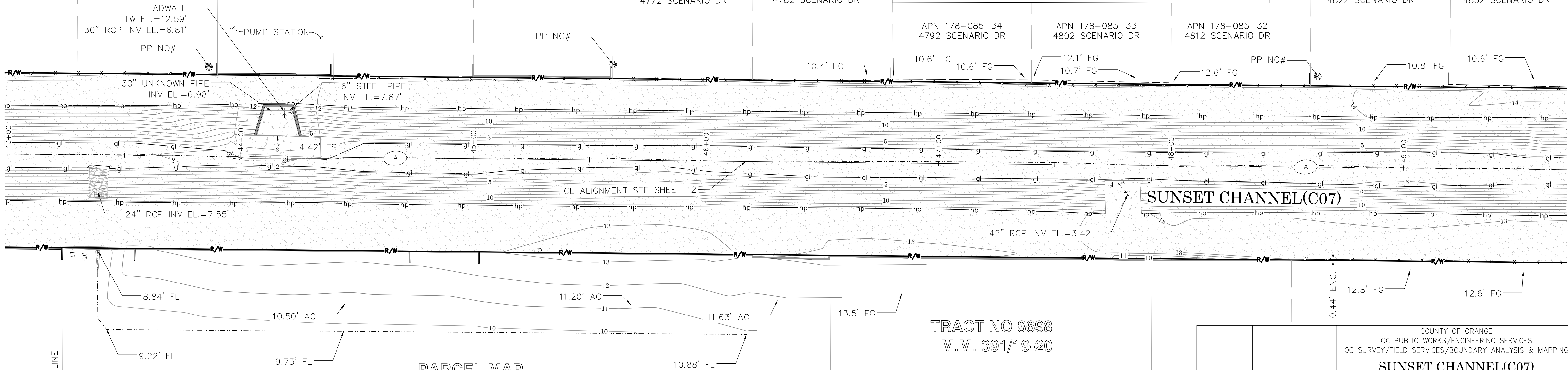
APN 178-085-34
4792 SCENARIO DR

APN 178-085-33
4802 SCENARIO DR

APN 178-085-32
4812 SCENARIO DR

APN 178-085-31
4822 SCENARIO DR

APN 178-085-30
4832 SCENARIO DR



PARCEL MAP
PMB 59/23

TRACT NO 8698
M.M. 391/19-20

SUNSET CHANNEL(C07)

LEGEND

SYMBOL

- Bush
- Control Box Cable TV
- Control Box Electrical
- Control Box Traffic
- Control Point
- Fire Hydrant
- Gate, Double
- Gate, Single
- Grate Inlet
- Guy Wire Anchor
- Manhole Storm Drain
- Meter Water
- Pier Column
- Pipe Inlet/Outlet
- Post
- Pull Box Cable TV
- Pull Box Electrical
- Pull Box Traffic
- Pull Box Undefined
- Sewer Cleanout
- Sign Board
- Sign Post
- Light Pole
- Tree
- Utility Pole
- Valve Gas
- Valve Irrigation
- Vault Telephone
- Signal-Steel

AREA PATTERN KEY

- Concrete
- Dirt/Gravel
- Rip Rap

LINE PATTERN KEY

- Bush Row Outline
- Centerline
- Block Wall
- Edge of Concrete
- Edge of Asphalt
- Pavement
- Fence Barbed-Wire
- Fence Chainlink
- Fence Plastic
- Fence Post and Wire
- Fence Wood
- Flowline
- Hinge Point
- Right of Way

ABBREVIATION

- AC Asphalt Concrete
- CL Centerline
- CONC Concrete
- EL Elevation
- FL Flowline
- INV Invert
- PP Power Pole
- TLMH Telephone Manhole
- TC Top of Curb
- TW Top of Wall
- ENC. Encroachment
- CLF. Chain Link Fence
- RCP Reinforced Concrete Pipe
- CMP Corrugated Metal Pipe

SEE SHEET 18

COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
SUNSET CHANNEL(C07) CHANNEL REHABILITATION			
TOPOGRAPHIC MAP			
PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE			
DATE OF SURVEY: 08/06/2020		BY: TLOGREEN & PARTY	
MAPPING		BY: K.AHMED	
OFFICE CHECK		BY: M.KUBISTY, PLS.	
FIELD CHECK		BY: TLOGREEN	
SCALE: 1" = 20'		W.O. #EF21470	
FILE: SUNSET_CHANNEL_TOPO_2021.DWG		FILE #1920FW-FM0004	

#	DATE	ITEM
1	11-18-21	FIX R/W CURVES
REVISIONS		

SEE SHEET 17

SEE SHEET 19

LEGEND

SYMBOL

- Bush
- Control Box Cable TV
- Control Box Electrical
- Control Box Traffic
- Control Point
- Fire Hydrant
- Gate, Double
- Gate, Single
- Gate Inlet
- Guy Wire Anchor
- Manhole Storm Drain
- Meter Water
- Pier Column
- Pipe Inlet/Outlet
- Post
- Pull Box Cable TV
- Pull Box Electrical
- Pull Box Traffic
- Pull Box Undefined
- Sewer Cleanout
- Sign Board
- Sign Post
- Light Pole
- Tree
- Utility Pole
- Valve Gas
- Valve Irrigation
- Vault Telephone
- Signal-Steel

AREA PATTERN KEY

- Concrete
- Dirt/Gravel
- Rip Rap

LINE PATTERN KEY

- Bush Row Outline
- Centerline
- Block Wall
- Edge of Concrete
- Edge of Asphalt Pavement
- Fence Barbed-Wire
- Fence Chainlink
- Fence Plastic
- Fence Post and Wire
- Fence Wood
- Flowline
- Hinge Point
- Right of Way

ABBREVIATION

- AC Asphalt Concrete
- CL Centerline
- CONC Concrete
- EL Elevation
- FL Flowline
- INV Invert
- PP Power Pole
- TLMH Telephone Manhole
- TC Top of Curb
- TW Top of Wall
- ENC. Encroachment
- CLF. Chain Link Fence
- RCP Reinforced Concrete Pipe
- CMP Corrugated Metal Pipe

SCENARIO DRIVE

TRACT NO.3750
M.M.167/10-11

SUNSET CHANNEL(C07)

PARCEL MAP
PMB 229/17-18

APN 178-085-30
4832 SCENARIO DR

APN 178-085-26
4872 SCENARIO DR

APN 178-085-25
4892 SCENARIO DR

APN 178-085-24
4902 SCENARIO DR

APN 178-085-23
4912 SCENARIO DR

APN 178-085-22
4922 SCENARIO DR

APN 178-085-21
4942 SCENARIO DR

APN 178-085-20
4952 SCENARIO DR

APN 178-085-29
4842 SCENARIO DR

APN 178-085-28
4852 SCENARIO DR

APN 178-085-27
4852 SCENARIO DR

11.9' FG

PP #T1304

12.3' FG

12.0' FG

10.6' FG

11.0' FG PP NO#

10.8' FG

CONTROL POINT #415
N=2211925.98'
E=6016435.50'

FS EL.=2.87'

HEADWALL

TW EL.=8.36'

24" RCP INV EL.=4.82'

12.6' FG

12.5' FG

0.31' ENC.

12.9' FG

PP NO#

12.5' FG

12.4' FG

0.50' ENC.

12.6' FG

12.6' FG

PP #1521628E

13.3' FG

13.22' AC

0.23' ENC.

U.S. Survey
Foot

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

A CENTERLINE CONSTRUCTION SEE SHEET 12

0' 10' 20' 40' 60'

SCALE: 1" = 20'

PORTION R.S.B. 6/16

COUNTY OF ORANGE
OC PUBLIC WORKS/ENGINEERING SERVICES
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING

SUNSET CHANNEL(C07)
CHANNEL REHABILITATION

TOPOGRAPHIC MAP
PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE

DATE OF SURVEY: 08/06/2020

BY: K.AHMED

BY: M.KUBISTY, PLS.

BY: T.L.OFGREEN

SCALE: 1" = 20' W.O. #EF21470

FILE: #1920FW-FM0004

FILE: SUNSET_CHANNEL_TOPO_2021.DWG

#	DATE	ITEM
1	11-18-21	FIX R/W CURVES
REVISIONS		

SHEET NO.

18

of

26

SEE SHEET 20

PARCEL MAP
PMB 69/23

APN 178-084-12
4941 SCENARIO DR

APN 178-084-11
4951 SCENARIO DR

APN 178-084-10
4971 SCENARIO DR

OAHU DRIVE

LEGEND

SYMBOL

- Bush
- Control Box Cable TV
- Control Box Electrical
- Control Box Traffic
- Control Point
- Fire Hydrant
- Gate, Double
- Gate, Single
- Grate Inlet
- Guy Wire Anchor
- Manhole Storm Drain
- Meter Water
- Pier Column
- Pipe Inlet/Outlet
- Post
- Pull Box Cable TV
- Pull Box Electrical
- Pull Box Traffic
- Pull Box Undefined
- Sewer Cleanout
- Sign Board
- Sign Post
- Light Pole
- Tree
- Utility Pole
- Valve Gas
- Valve Irrigation
- Vault Telephone
- Signal-Steel

AREA PATTERN KEY

- Concrete
- Dirt/Gravel
- Rip Rap

LINE PATTERN KEY

- Bush Row Outline
- Centerline
- Block Wall
- Edge of Concrete
- Edge of Asphalt Pavement
- Fence Barbed-Wire
- Fence Chainlink
- Fence Plastic
- Fence Post and Wire
- Fence Wood
- Flowline
- Hinge Point
- Right of Way

ABBREVIATION

- AC Asphalt Concrete
- CL Centerline
- CONC Concrete
- EL Elevation
- FL Flowline
- INV Invert
- PP Power Pole
- TLMH Telephone Manhole
- TC Top of Curb
- TW Top of Wall
- ENC Encroachment
- CLF Chain Link Fence
- RCP Reinforced Concrete Pipe
- CMP Corrugated Metal Pipe

SEE SHEET 18

TRACT NO.3750
M.M.167/10-11

APN 178-085-21
942 SCENARIO DR

APN 178-085-20
4952 SCENARIO DR

APN 178-085-19
4972 SCENARIO DR

BOLSA CHICA STREET

SUNSET CHANNEL(C07)

SCALE: 1" = 20'

U.S. Survey
Foot

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

CENTERLINE CONSTRUCTION SEE SHEET 12

PARCEL MAP
PMB 229/17-18

COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
SUNSET CHANNEL(C07) CHANNEL REHABILITATION			
TOPOGRAPHIC MAP			
PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE			
1	11-18-21	FIX R/W CURVES	DATE OF SURVEY:08/06/2020
#	DATE	ITEM	BY:K.AHMED
OFFICE CHECK			BY:M.KUBISTY,PLS.
FIELD CHECK			BY:TLOFGREEN
SCALE:1" = 20'			W.O. #EF21470
FILE:#1920PW--PM0004			FILE:#1920PW--PM0004
REVISIONS			
			SHEET NO.
			19
			of
			26

BOLSA CHICA STREET

APN 146-025-01
5002 SISSON DR

APN 146-025-02
5022 SISSON DR

APN 146-025-03
5032 SISSON DR

APN 146-025-04
5052 SISSON DR

APN 146-025-05
5052 SISSON DR

APN 146-025-06
5072 SISSON DR

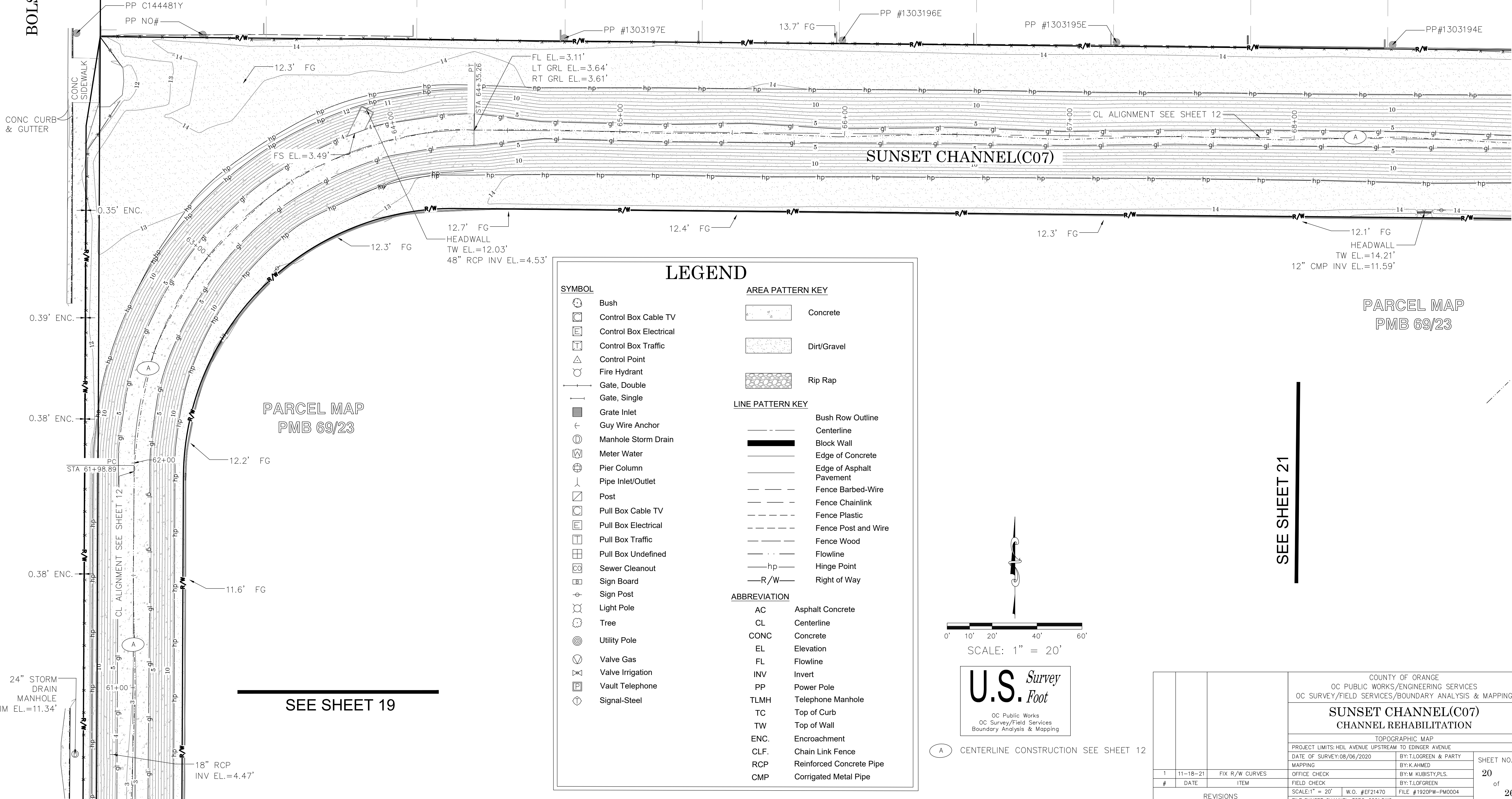
APN 146-025-07
5082 SISSON DR

APN 146-025-08
5092 SISSON DR

APN 146-025-09
5102 SISSON DR

APN 146-025-10
5112 SISSON DR

TRACT NO.3616
M.M.124/7-11



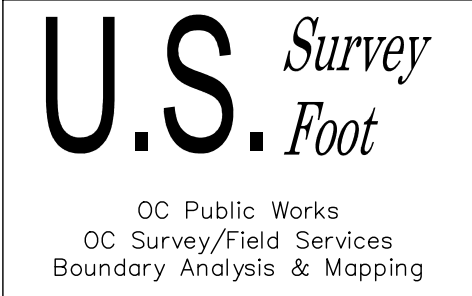
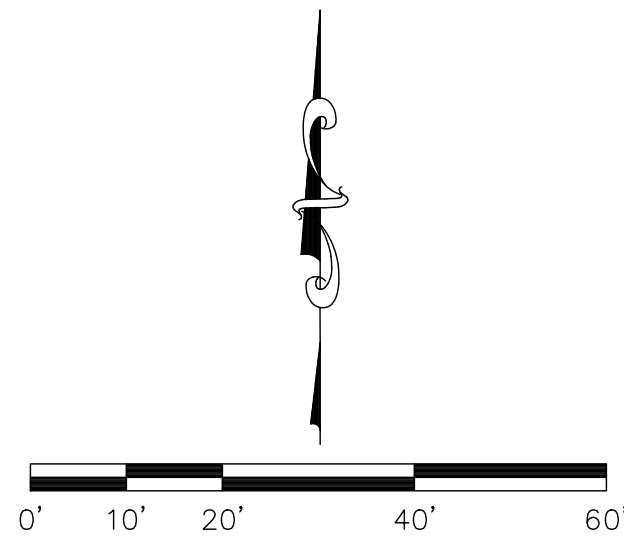
LEGEND

SYMBOL		AREA PATTERN KEY	
	Bush		Concrete
	Control Box Cable TV		Dirt/Gravel
	Control Box Electrical		Rip Rap
	Control Box Traffic		
	Control Point		
	Fire Hydrant		
	Gate, Double		
	Gate, Single		
	Grate Inlet		
	Guy Wire Anchor		
	Manhole Storm Drain		
	Meter Water		
	Pier Column		
	Pipe Inlet/Outlet		
	Post		
	Pull Box Cable TV		
	Pull Box Electrical		
	Pull Box Traffic		
	Pull Box Undefined		
	Sewer Cleanout		
	Sign Board		
	Sign Post		
	Light Pole		
	Tree		
	Utility Pole		
	Valve Gas		
	Valve Irrigation		
	Vault Telephone		
	Signal-Steel		
LINE PATTERN KEY		ABBREVIATION	
	Bush Row Outline	AC	Asphalt Concrete
	Centerline	CL	Centerline
	Block Wall	CONC	Concrete
	Edge of Concrete	EL	Elevation
	Edge of Asphalt Pavement	FL	Flowline
	Fence Barbed-Wire	INV	Invert
	Fence Chainlink	PP	Power Pole
	Fence Plastic	TLMH	Telephone Manhole
	Fence Post and Wire	TC	Top of Curb
	Fence Wood	TW	Top of Wall
	Flowline	ENC.	Encroachment
	Hinge Point	CLF.	Chain Link Fence
	Right of Way	RCP	Reinforced Concrete Pipe
		CMP	Corrugated Metal Pipe

PARCEL MAP
PMB 69/23

SEE SHEET 21

SEE SHEET 19



(A) CENTERLINE CONSTRUCTION SEE SHEET 12

COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				SHEET NO.	
SUNSET CHANNEL(C07) CHANNEL REHABILITATION				20	
TOPOGRAPHIC MAP				of	
PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE				26	
DATE OF SURVEY: 08/06/2020		BY: TLOGREEN & PARTY			
MAPPING		BY: K.AHMED			
OFFICE CHECK		BY: M. KUBISTY, PLS.			
FIELD CHECK		BY: TLOGREEN			
SCALE: 1" = 20'		W.O. #EF21470		FILE #1920FW-FM0004	
REVISIONS		FILE #1920FW-FM0004			
		FILE: SUNSET_CHANNEL_TOPO_2021.DWG			

SEE SHEET 20

SEE SHEET 22

LEGEND

SYMBOL

- Bush
- Control Box Cable TV
- Control Box Electrical
- Control Box Traffic
- Control Point
- Fire Hydrant
- Gate, Double
- Gate, Single
- Grate Inlet
- Guy Wire Anchor
- Manhole Storm Drain
- Meter Water
- Pier Column
- Pipe Inlet/Outlet
- Post
- Pull Box Cable TV
- Pull Box Electrical
- Pull Box Traffic
- Pull Box Undefined
- Sewer Cleanout
- Sign Board
- Sign Post
- Light Pole
- Tree
- Utility Pole
- Valve Gas
- Valve Irrigation
- Vault Telephone
- Signal-Steel

AREA PATTERN KEY

- Concrete
- Dirt/Gravel
- Rip Rap

LINE PATTERN KEY

- Bush Row Outline
- Centerline
- Block Wall
- Edge of Concrete
- Edge of Asphalt Pavement
- Fence Barbed-Wire
- Fence Chainlink
- Fence Plastic
- Fence Post and Wire
- Fence Wood
- Flowline
- Hinge Point
- Right of Way

ABBREVIATION

- AC Asphalt Concrete
- CL Centerline
- CONC Concrete
- EL Elevation
- FL Flowline
- INV Invert
- PP Power Pole
- TLMH Telephone Manhole
- TC Top of Curb
- TW Top of Wall
- ENC. Encroachment
- CLF. Chain Link Fence
- RCP Reinforced Concrete Pipe
- CMP Corrugated Metal Pipe

SISSON DRIVE

TRACT NO.3657
M.M.134/21-25

APN 146-025-19
5222 SISSON DR

APN 146-025-14
5162 SISSON DR

APN 146-025-15
5172 SISSON DR

APN 146-025-16
5182 SISSON DR

APN 146-025-17
5192 SISSON DR

APN 146-025-18
5212 SISSON DR

APN 146-025-11
5122 SISSON DR

APN 146-025-12
5132 SISSON DR

APN 146-025-13
5142 SISSON DR

PP #1302959E

PP #1302959E

PP #1303193E

PP #1303194E

CONTROL
POINT #412
N=2212573.27'
E=6017735.52'

SUNSET CHANNEL(C07)

CL ALIGNMENT SEE SHEET 12

HEADWALL
TW EL.=8.58'
18" RCP INV EL.=5.80'

HEADWALL
TW EL.=8.66'
30" RCP INV EL.=4.84'

HEADWALL
TW EL.=9.93'
36"x48" RCP INV EL.=5.00'

SOFFIT EL.=11

PARCEL MAP
PMB 69/23

TRACT NO.3752
M.M.132/39-40

APN 146-043-11
5141 MEADOWLARK DR

APN 146-043-10
5151 MEADOWLARK DR

APN 146-043-09
5161 MEADOWLARK DR

APN 146-043-08
5181 MEADOWLARK DR

APN 146-043-07
5191 MEADOWLARK DR

APN 146-043-06
5201 MEADOWLARK DR

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

SUNSET CHANNEL(C07) CHANNEL REHABILITATION

TOPOGRAPHIC MAP
PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE

DATE OF SURVEY: 08/06/2020

MAPPING

OFFICE CHECK

FIELD CHECK

SCALE: 1" = 20' W.O. #EF21470 FILE #1920FW-FM0004

FILE: SUNSET_CHANNEL_TOPO_2021.DWG

SHEET NO.

21

of

26

REVISIONS

#	DATE	ITEM
1	11-18-21	FIX R/W CURVES

0' 10' 20' 40' 60'

SCALE: 1" = 20'

A CENTERLINE CONSTRUCTION SEE SHEET 12

SEE SHEET 21

SEE SHEET 23

LEGEND

SYMBOL

- Bush
- Control Box Cable TV
- Control Box Electrical
- Control Box Traffic
- Control Point
- Fire Hydrant
- Gate, Double
- Gate, Single
- Grate Inlet
- Guy Wire Anchor
- Manhole Storm Drain
- Meter Water
- Pier Column
- Pipe Inlet/Outlet
- Post
- Pull Box Cable TV
- Pull Box Electrical
- Pull Box Traffic
- Pull Box Undefined
- Sewer Cleanout
- Sign Board
- Sign Post
- Light Pole
- Tree
- Utility Pole
- Valve Gas
- Valve Irrigation
- Vault Telephone
- Signal-Steel

AREA PATTERN KEY

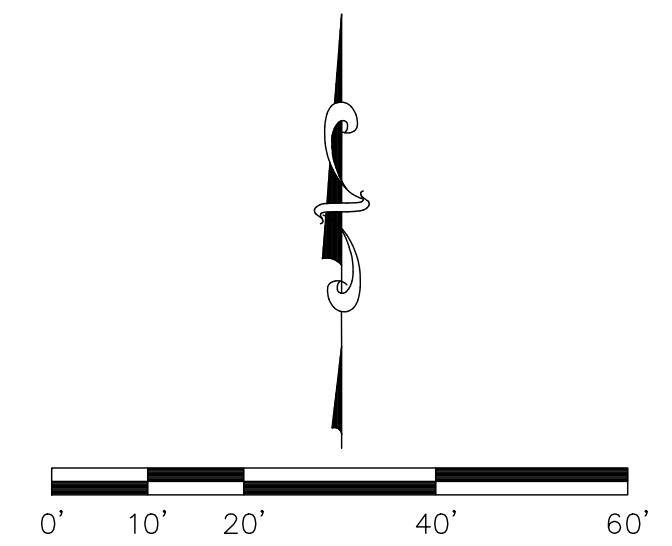
- Concrete
- Dirt/Gravel
- Rip Rap

LINE PATTERN KEY

- Bush Row Outline
- Centerline
- Block Wall
- Edge of Concrete
- Edge of Asphalt Pavement
- Fence Barbed-Wire
- Fence Chainlink
- Fence Plastic
- Fence Post and Wire
- Fence Wood
- Flowline
- Hinge Point
- Right of Way

ABBREVIATION

- AC Asphalt Concrete
- CL Centerline
- CONC Concrete
- EL Elevation
- FL Flowline
- INV Invert
- PP Power Pole
- TLMH Telephone Manhole
- TC Top of Curb
- TW Top of Wall
- ENC. Encroachment
- CLF. Chain Link Fence
- RCP Reinforced Concrete Pipe
- CMP Corrugated Metal Pipe



SCALE: 1" = 20'

U.S. Survey
Foot

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

A CENTERLINE CONSTRUCTION SEE SHEET 12

SISSON DRIVE

TRACT NO.3657
M.M.134/21-25

TRACT NO.3616
M.M.124/7-11

APN 146-073-32
5242 SISSON DR

APN 146-073-31
5252 SISSON DR

APN 146-073-30
5272 SISSON DR

APN 146-073-29
5282 SISSON DR

APN 146-073-28
5292 SISSON DR

APN 146-073-27
5302 SISSON DR

APN 146-073-26
5312 SISSON DR

APN 146-073-25
5322 SISSON DR

APN 146-073-24
5332 SISSON DR

SUNSET CHANNEL(C07)

TRACT NO.3753
M.M.132/37-38

TRACT NO.3752
M.M.132/39-40

APN 146-043-05
5211 SISSON DR

APN 146-043-03
5221 MEADOWLARK DRIVE

APN 146-043-02
5231 MEADOWLARK DRIVE

APN 146-043-01
5241 MEADOWLARK DRIVE

APN 146-051-09
5251 MEADOWLARK DRIVE

APN 146-051-08
5261 MEADOWLARK DRIVE

APN 146-051-07
5271 MEADOWLARK DRIVE

APN 146-051-06
5281 MEADOWLARK DRIVE

APN 146-051-03
5311 MEADOWLARK DR

APN 146-051-04
5301 MEADOWLARK DRIVE

APN 146-051-05
5291 MEADOWLARK DRIVE

				COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
				SUNSET CHANNEL(C07) CHANNEL REHABILITATION			
				TOPOGRAPHIC MAP			
				PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE			
		DATE OF SURVEY: 08/06/2020		BY: T.LOGREEN & PARTY		SHEET NO. 22 of 26	
		MAPPING		BY: K.AHMED			
		OFFICE CHECK		BY: M. KUBISTY, PLS.			
		FIELD CHECK		BY: T.LOGREEN			
		SCALE: 1" = 20'		W.O. # EF21470			
				FILE # 1920FW-PM0004			
		REVISIONS		FILE: SUNSET_CHANNEL_TOPO_2021.DWG			
		#	DATE	ITEM			
		1	11-18-21	FIX R/W CURVES			

SEE SHEET 22

SEE SHEET 24

DAVIS LANE

LEGEND

SYMBOL

- Bush
- Control Box Cable TV
- Control Box Electrical
- Control Box Traffic
- Control Point
- Fire Hydrant
- Gate, Double
- Gate, Single
- Grate Inlet
- Guy Wire Anchor
- Manhole Storm Drain
- Meter Water
- Pier Column
- Pipe Inlet/Outlet
- Post
- Pull Box Cable TV
- Pull Box Electrical
- Pull Box Traffic
- Pull Box Undefined
- Sewer Cleanout
- Sign Board
- Sign Post
- Light Pole
- Tree
- Utility Pole
- Valve Gas
- Valve Irrigation
- Vault Telephone
- Signal-Steel

AREA PATTERN KEY

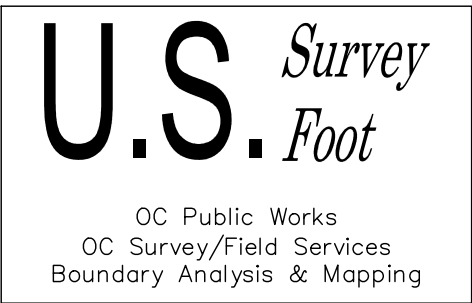
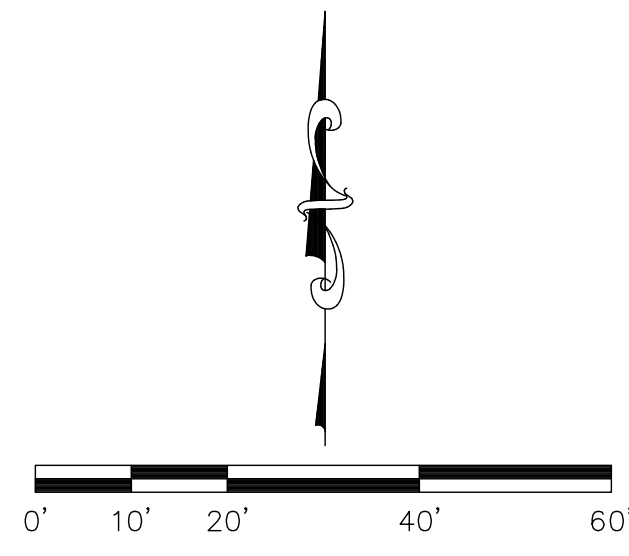
- Concrete
- Dirt/Gravel
- Rip Rap

LINE PATTERN KEY

- Bush Row Outline
- Centerline
- Block Wall
- Edge of Concrete
- Edge of Asphalt Pavement
- Fence Barbed-Wire
- Fence Chainlink
- Fence Plastic
- Fence Post and Wire
- Fence Wood
- Flowline
- Hinge Point
- Right of Way

ABBREVIATION

- AC Asphalt Concrete
- CL Centerline
- CONC Concrete
- EL Elevation
- FL Flowline
- INV Invert
- PP Power Pole
- TLMH Telephone Manhole
- TC Top of Curb
- TW Top of Wall
- ENC. Encroachment
- CLF. Chain Link Fence
- RCP Reinforced Concrete Pipe
- CMP Corrugated Metal Pipe



A CENTERLINE CONSTRUCTION SEE SHEET 12

SISSON DRIVE

TRACT NO.3657
M.M.134/21-25

SUNSET CHANNEL(C07)

APN 146-073-24
5332 SISSON DR

APN 146-073-23
5342 SISSON DR

APN 146-073-22
5352 SISSON DR

APN 146-073-21
5362 SISSON DR

APN 146-073-20
5372 SISSON DR

APN 146-073-19
5382 SISSON DR

APN 146-073-18
5392 SISSON DR

APN 146-073-17
5402 SISSON DR

APN 146-073-16
5412 SISSON DR

APN 146-073-15
5422 SISSON DR

APN 146-073-14
5432 SISSON DR

TRACT NO.3753
M.M.132/37-38

APN 146-051-02
5321 MEADOWLARK DR

APN 146-051-01
5331 MEADOWLARK DR

APN 146-061-12
5341 MEADOWLARK DR

APN 146-061-11
5351 MEADOWLARK DR

APN 146-061-10
5361 MEADOWLARK DR

APN 146-061-09
5381 MEADOWLARK DR

APN 146-061-08
5391 MEADOWLARK DR

APN 146-061-07
5401 MEADOWLARK DR

				COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
SUNSET CHANNEL(C07) CHANNEL REHABILITATION							
TOPOGRAPHIC MAP							
PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE							
		DATE OF SURVEY:08/06/2020		BY:T.LOGREEN & PARTY		SHEET NO. 23 of 26	
		MAPPING		BY:K.AHMED			
11--18--21		FIX R/W CURVES		OFFICE CHECK			
DATE		ITEM		FIELD CHECK			
		SCALE:1" = 20'		W.O. #EF21470			
		FILE:SUNSET_CHANNEL_TOPO_2021.DWG					
REVISIONS							

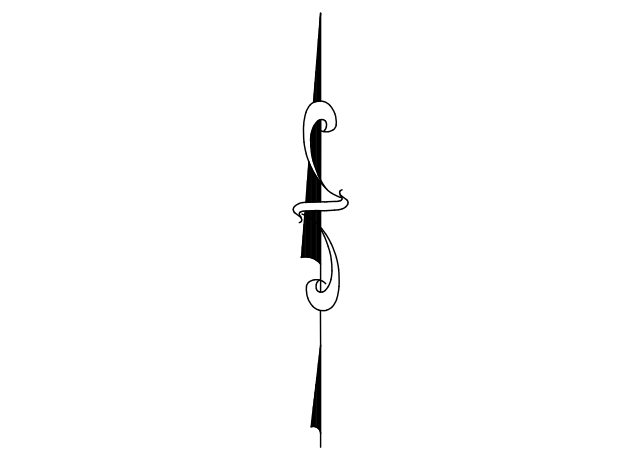
LEGEND

- SYMBOL
- Bush
 - Control Box Cable TV
 - Control Box Electrical
 - Control Box Traffic
 - Control Point
 - Fire Hydrant
 - Gate, Double
 - Gate, Single
 - Grate Inlet
 - Guy Wire Anchor
 - Manhole Storm Drain
 - Meter Water
 - Pier Column
 - Pipe Inlet/Outlet
 - Post
 - Pull Box Cable TV
 - Pull Box Electrical
 - Pull Box Traffic
 - Pull Box Undefined
 - Sewer Cleanout
 - Sign Board
 - Sign Post
 - Light Pole
 - Tree
 - Utility Pole
 - Valve Gas
 - Valve Irrigation
 - Vault Telephone
 - Signal-Steel

- AREA PATTERN KEY
- Concrete
 - Dirt/Gravel
 - Rip Rap

- LINE PATTERN KEY
- Bush Row Outline
 - Centerline
 - Block Wall
 - Edge of Concrete
 - Edge of Asphalt Pavement
 - Fence Barbed-Wire
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 - Fence Plastic
 - Fence Post and Wire
 - Fence Wood
 - Flowline
 - Hinge Point
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- ABBREVIATION
- AC Asphalt Concrete
 - CL Centerline
 - CONC Concrete
 - EL Elevation
 - FL Flowline
 - INV Invert
 - PP Power Pole
 - TLMH Telephone Manhole
 - TC Top of Curb
 - TW Top of Wall
 - ENC. Encroachment
 - CLF. Chain Link Fence
 - RCP Reinforced Concrete Pipe
 - CMP Corrugated Metal Pipe



SCALE: 1" = 20'

U.S. Survey Foot

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

A CENTERLINE CONSTRUCTION SEE SHEET 12

SISSON DRIVE

TRACT NO.3657
M.M.134/21-25

APN 146-073-16
5412 SISSON DR

APN 146-073-15
5422 SISSON DR

APN 146-073-14
5432 SISSON DR

APN 146-073-13
5452 SISSON DR

PP #1347473E

13.9' FG

14.1' FG

PP #1347472E

13.9' FG

CL ALIGNMENT SEE SHEET 12

HEADWALL
TW EL.=12.80'
130"X84" RCP INV EL.=5.33'

APN 146-061-07
5401 MEADOWLARK DR

APN 146-061-06
5411 MEADOWLARK DR

APN 146-061-05
5421 MEADOWLARK DR

APN 146-061-04
5441 MEADOWLARK DR

APN 146-061-03
5461 MEADOWLARK DR

APN 146-061-02
5471 MEADOWLARK DR

TRACT 3508
M.M.41/42

DAVIS LANE

TRACT NO.3657
M.M.134/21-25

SEE SHEET 25

APN 146-073-06
16142 DAVIS LANE

APN 146-073-07
16142 DAVIS LANE

APN 146-073-08
16152 DAVIS LANE

APN 146-073-09
16172 DAVIS LANE

APN 146-073-10
16182 DAVIS LANE

APN 146-073-11
16192 DAVIS LANE

APN 146-073-12
16202 DAVIS LANE

PP #1347470E

SEE SHEET 23

13.9' FG

14.0' FG

14.80' FS

PP #134744E

13.6' FG

0.87' ENC. CLF

SUNSET CHANNEL(C07)

STA 89+44.36

CL ALIGNMENT SEE SHEET 12

PP NO#

PP NO#

PP NO#

PP NO#

PP NO#

PP NO#

PP NO#

PP NO#

PP NO#

PP NO#

PP NO#

PP NO#

PP NO#

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PP NO#

GRAHAM STREET

COUNTY OF ORANGE			
OC PUBLIC WORKS/ENGINEERING SERVICES			
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
SUNSET CHANNEL(C07)			
CHANNEL REHABILITATION			
TOPOGRAPHIC MAP			
PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE			
DATE OF SURVEY: 08/06/2020		BY: TLOGREEN & PARTY	
		BY: K.AHMED	
		BY: M. KUBISTY, PLS.	
		BY: TLOGREEN	
W.O. #EF21470		FILE # 1920PW-PM0004	
ANALYSIS: TOPO_2021.DWG			

#	DATE	ITEM
1	11-18-21	FIX R/W CURVES
REVISIONS		

LEGEND

SYMBOL	AREA PATTERN KEY
	Concrete
	Dirt/Gravel
	Rip Rap

LINE PATTERN KEY	ABBREVIATION
	AC Asphalt Concrete
	CL Centerline
	CONC Concrete
	EL Elevation
	FL Flowline
	INV Invert
	PP Power Pole
	TLMH Telephone Manhole
	TC Top of Curb
	TW Top of Wall
	ENC. Encroachment
	CLF. Chain Link Fence
	RCP Reinforced Concrete Pipe
	CMP Corrugated Metal Pipe

DAVIS LANE

SUNSET CHANNEL(C07)

GRAHAM STREET

SEE SHEET 26

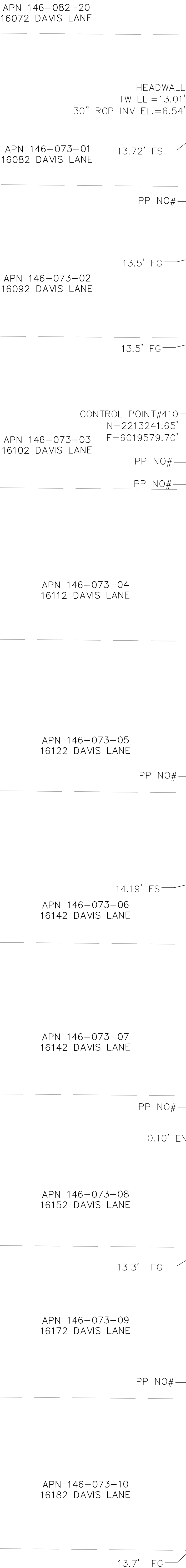
SEE SHEET 24

SCALE: 1" = 20'

U.S. Survey Foot

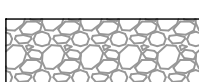
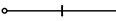
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

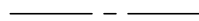
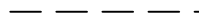
A CENTERLINE CONSTRUCTION SEE SHEET 12



				COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		SUNSET CHANNEL(C07) CHANNEL REHABILITATION			
		TOPOGRAPHIC MAP			
		PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE			
		DATE OF SURVEY:08/06/2020		BY:T.LOGREEN & PARTY	
		MAPPING		BY:K.AHMED	
		OFFICE CHECK		BY:M. KUBISTY,PLS.	
		FIELD CHECK		BY:T.LOGREEN	
		SCALE:1" = 20'		W.O. #EF21470	
		FILE:SUNSET_CHANNEL_TOPO_2021.DWG		FILE #1920PW-PM0004	
		REVISIONS			
1	11-18-21	FIX R/W CURVES			
#	DATE	ITEM			
		SHEET NO. 25 of 26			

LEGEND

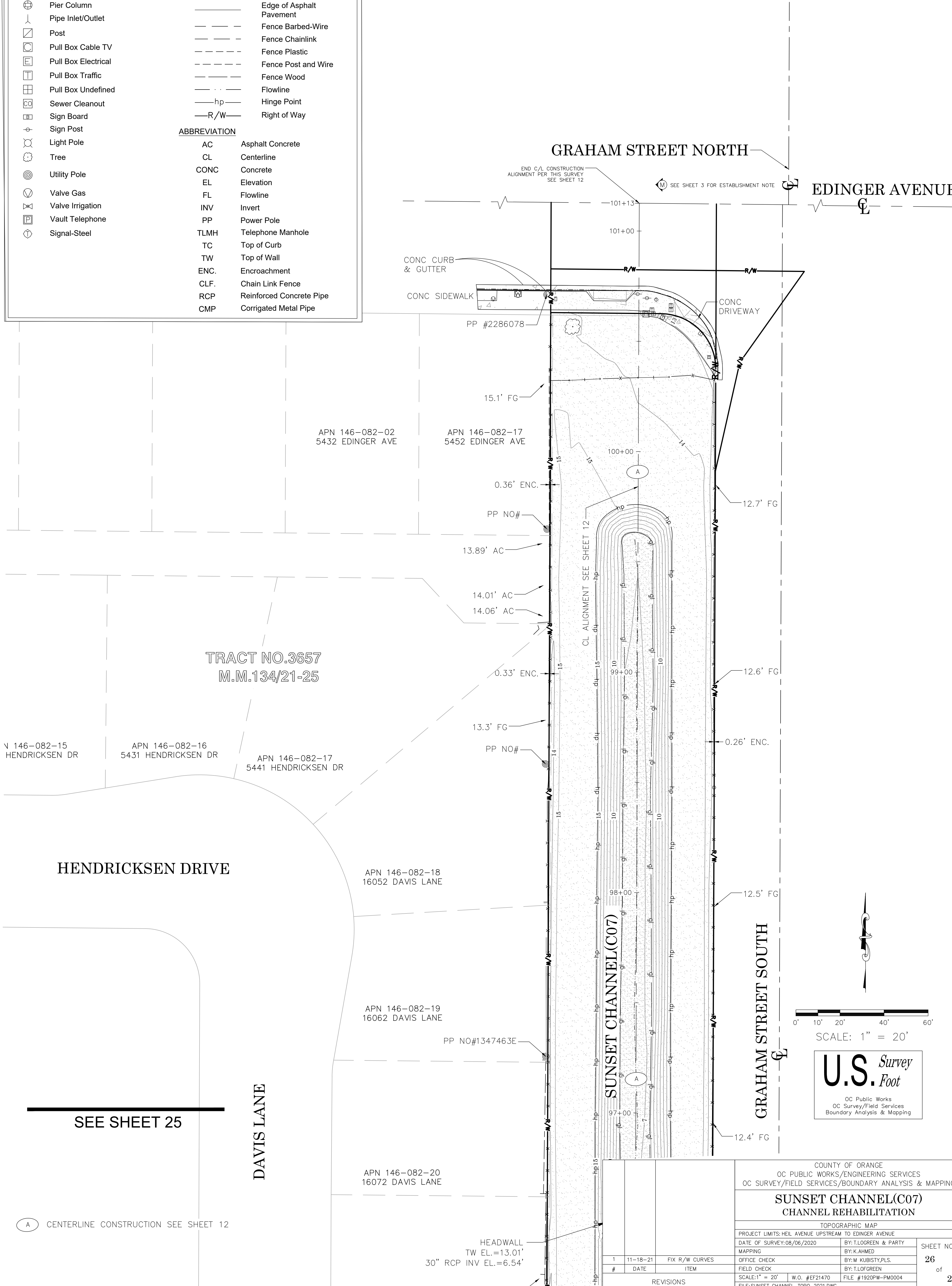
SYMBOL		AREA PATTERN KEY	
	Bush		Concrete
	Control Box Cable TV		Dirt/Gravel
	Control Box Electrical		Rip Rap
	Control Box Traffic		
	Control Point		
	Fire Hydrant		
	Gate, Double		
	Gate, Single		
	Grate Inlet		
	Guy Wire Anchor		
	Manhole Storm Drain		
	Meter Water		
	Pier Column		
	Pipe Inlet/Outlet		
	Post		
	Pull Box Cable TV		
	Pull Box Electrical		
	Pull Box Traffic		
	Pull Box Undefined		
	Sewer Cleanout		
	Sign Board		
	Sign Post		
	Light Pole		
	Tree		
	Utility Pole		
	Valve Gas		
	Valve Irrigation		
	Vault Telephone		
	Signal-Steel		

LINE PATTERN KEY	
	Bush Row Outline
	Centerline
	Block Wall
	Edge of Concrete
	Edge of Asphalt Pavement
	Fence Barbed-Wire
	Fence Chainlink
	Fence Plastic
	Fence Post and Wire
	Fence Wood
	Flowline
	Hinge Point
	Right of Way

ABBREVIATION	
AC	Asphalt Concrete
CL	Centerline
CONC	Concrete
EL	Elevation
FL	Flowline
INV	Invert
PP	Power Pole
TLMH	Telephone Manhole
TC	Top of Curb
TW	Top of Wall
ENC.	Encroachment
CLF.	Chain Link Fence
RCP	Reinforced Concrete Pipe
CMP	Corrugated Metal Pipe

GRAHAM STREET NORTH

EDINGER AVENUE



SEE SHEET 25

TRACT NO.3657
M.M.134/21-25

HENDRICKSEN DRIVE

DAVIS LANE

GRAHAM STREET SOUTH

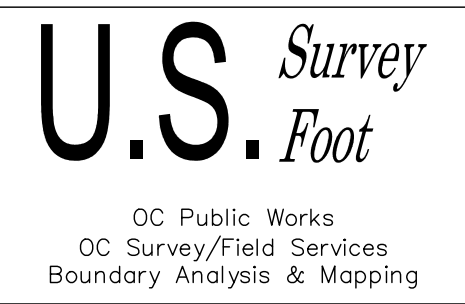
SUNSET CHANNEL(C07)

CL ALIGNMENT SEE SHEET 12

END C/L CONSTRUCTION
ALIGNMENT PER THIS SURVEY
SEE SHEET 12

SEE SHEET 3 FOR ESTABLISHMENT NOTE

SCALE: 1" = 20'



(A) CENTERLINE CONSTRUCTION SEE SHEET 12

HEADWALL
TW EL.=13.01'
30" RCP INV EL.=6.54'

COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
SUNSET CHANNEL(C07) CHANNEL REHABILITATION		
TOPOGRAPHIC MAP		
PROJECT LIMITS: HEIL AVENUE UPSTREAM TO EDINGER AVENUE		
DATE OF SURVEY:08/06/2020	BY:TLOGREEN & PARTY	SHEET NO. 26 of 26
MAPPING	BY:K.AHMED	
OFFICE CHECK	BY:M.KUBISTY,PLS.	
FIELD CHECK	BY:TLOGREEN	
SCALE:1" = 20'	W.O. #EF21470	FILE #1920PW-PM0004
FILE:SUNSET_CHANNEL_TOPO_2021.DWG		
REVISIONS		
1	11-18-21	FIX R/W CURVES
#	DATE	ITEM