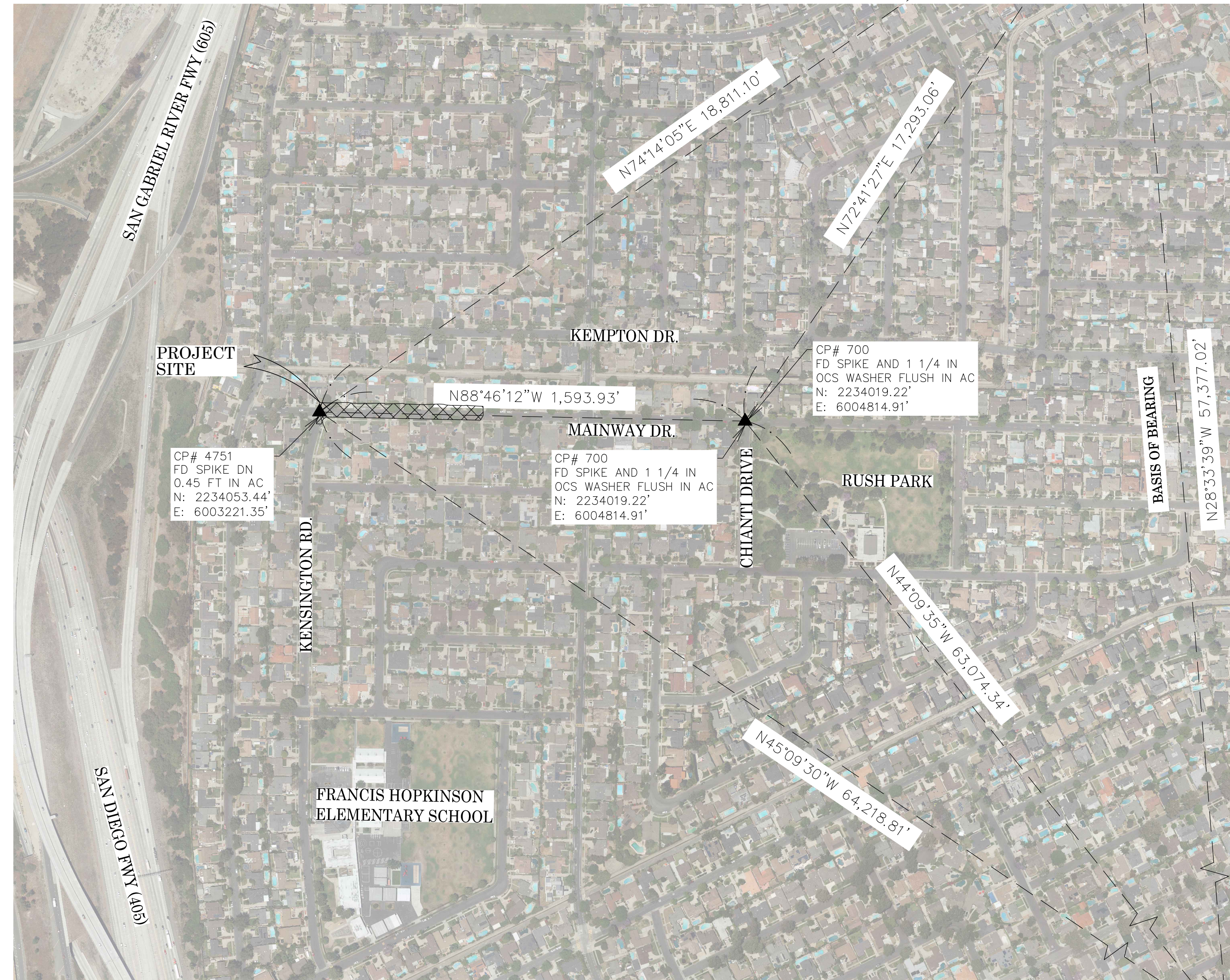
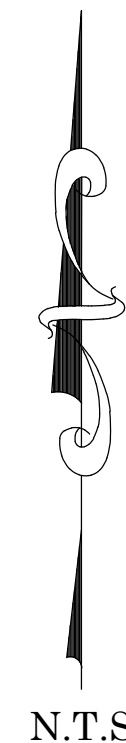
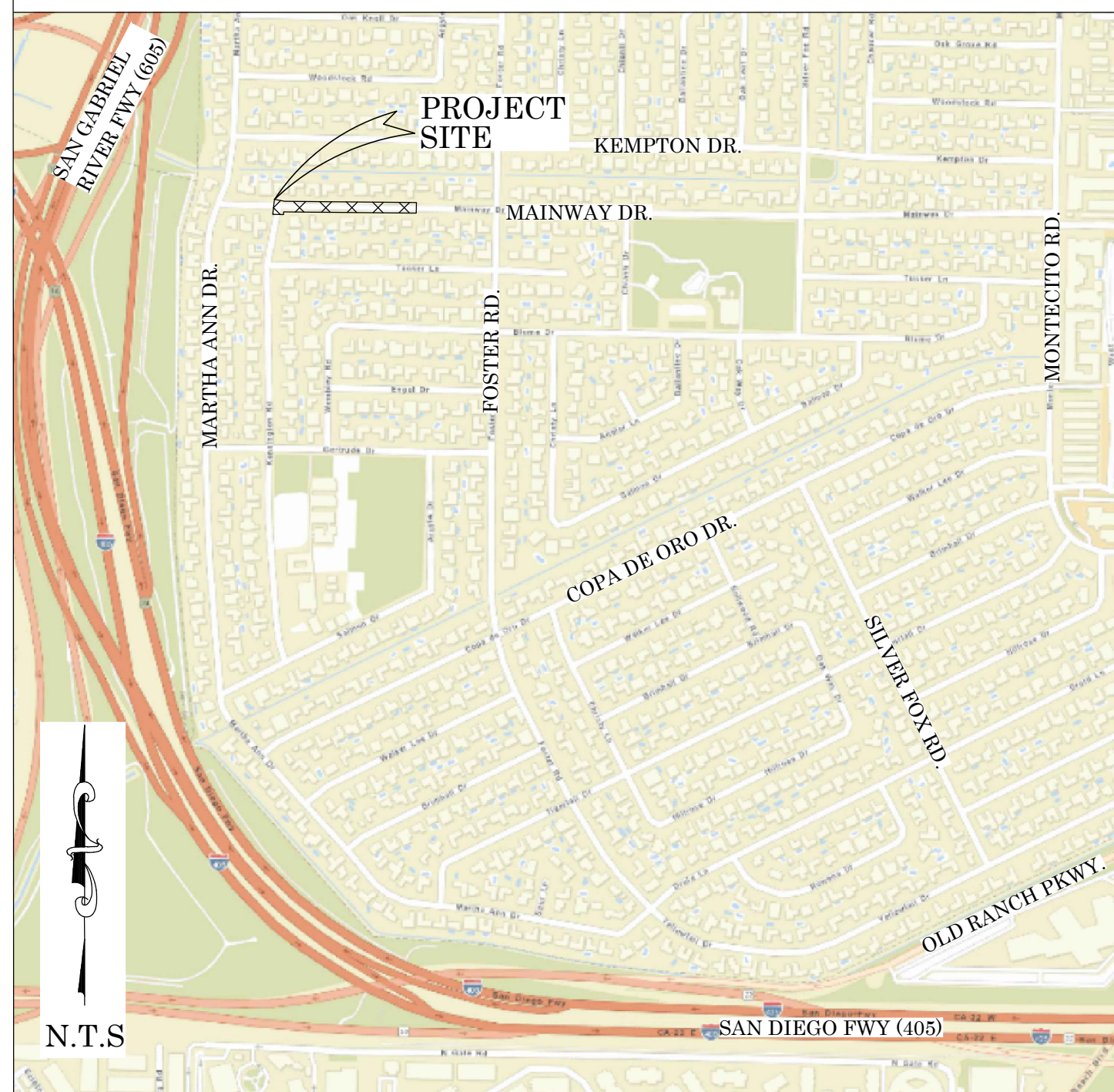




OC PUBLIC WORKS DEPARTMENT
JAMES TREADAWAY, DIRECTOR OF PUBLIC WORKS
KEVIN HILLS, COUNTY SURVEYOR
2721 MAINWAY DR
ROAD MAINTENANCE



LOCATION MAP



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://SOPACC SRC.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 (FVPK) AND (BLSA) BEING NORTH 28°33'39" 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 1.00001047.
COMBINATION FACTOR WAS HELD AT: #700
N: 2234019.22" E: 6004814.91" ELEVATION= 13.31'

VERTICAL DATUM

O.C.S. BM. 1A-144-04 ELEV. = 15.370' YEAR LEVELED: 2005
NAVD 1988 (O.C.S. 1995 ADJUSTMENT)
DESCRIPTION: FOUND 3 3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "1A-144-04", SET IN THE SOUTHWESTERLY CORNER OF A 4.4 FT. BY 4.4 FT. CONCRETE CATCH BASIN. MONUMENT IS LOCATED IN THE NORTHEASTERLY CORNER OF THE INTERSECTION OF SEAL BEACH BOULEVARD AND ST. CLOUD DRIVE, 44 FT. EASTERLY OF THE CENTERLINE OF SEAL BEACH BOULEVARD AND 58 FT. NORTHERLY OF THE CENTERLINE OF ST. CLOUD DR. 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 ONLY.

SHEET INDEX

SHEET	NO.	DESCRIPTION
SHEET	1	TITLE SHEET
SHEET	2	BOUNDARY MAP
SHEETS	3-5	TOPOGRAPHIC MAP
SHEETS	6	PROFILE

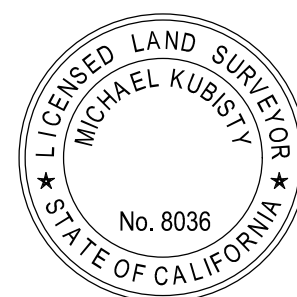
PURPOSE OF SURVEY

THE PURPOSE OF THE SURVEY IS TO PROVIDE A TOPOGRAPHIC SURVEY ALONG THIS PORTION OF ROAD TO IDENTIFY LOW AND HIGH GRADE POINTS WITHIN ROAD CURB AND GUTTER FLOW LINE.

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 23 DAY OF NOVEMBER, 2020.

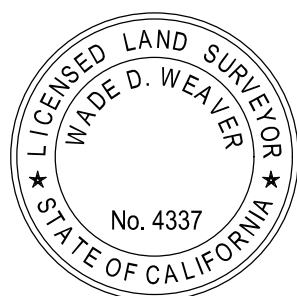
MICHAEL KUBISTY, PLS. SENIOR LAND SURVEYOR



DEPUTY COUNTY SURVEYOR'S STATEMENT:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS 23 DAY OF NOVEMBER, 2020.

WADE WEAVER, PLS. DEPUTY COUNTY SURVEYOR



FOUND CGPS "FVPK"
N: 2188769.57'
E: 6048756.25'
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://SOPACC SRC.UCSD.EDU/](http://sopaccsrc.ucsd.edu/).

TOPOGRAPHIC MAPPING PROJECT

			COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			2721 MAINWAY DR ROAD MAINTENANCE				
			TITLE SHEET				
			PROJECT LIMITS: N/S MAINWAY DR FROM 2661 TO 2751 MAINWAY DR				
			DATE OF SURVEY: 10/19/2020		BY: T. LOFGREEN & CREW		SHEET NO. 1 of 5
			MAPPING		BY: L. ISLAS		
			OFFICE CHECK		BY: M. KUBISTY, PLS		
			FIELD CHECK		BY: T. LOFGREEN		
			SCALE: 1"=300'		W.O. #ER19202		
			FILE: MAINWAY DR TOPO 2020.DWG		FILE #1920PW-OP0019		
REVISIONS							

MONUMENT NOTES

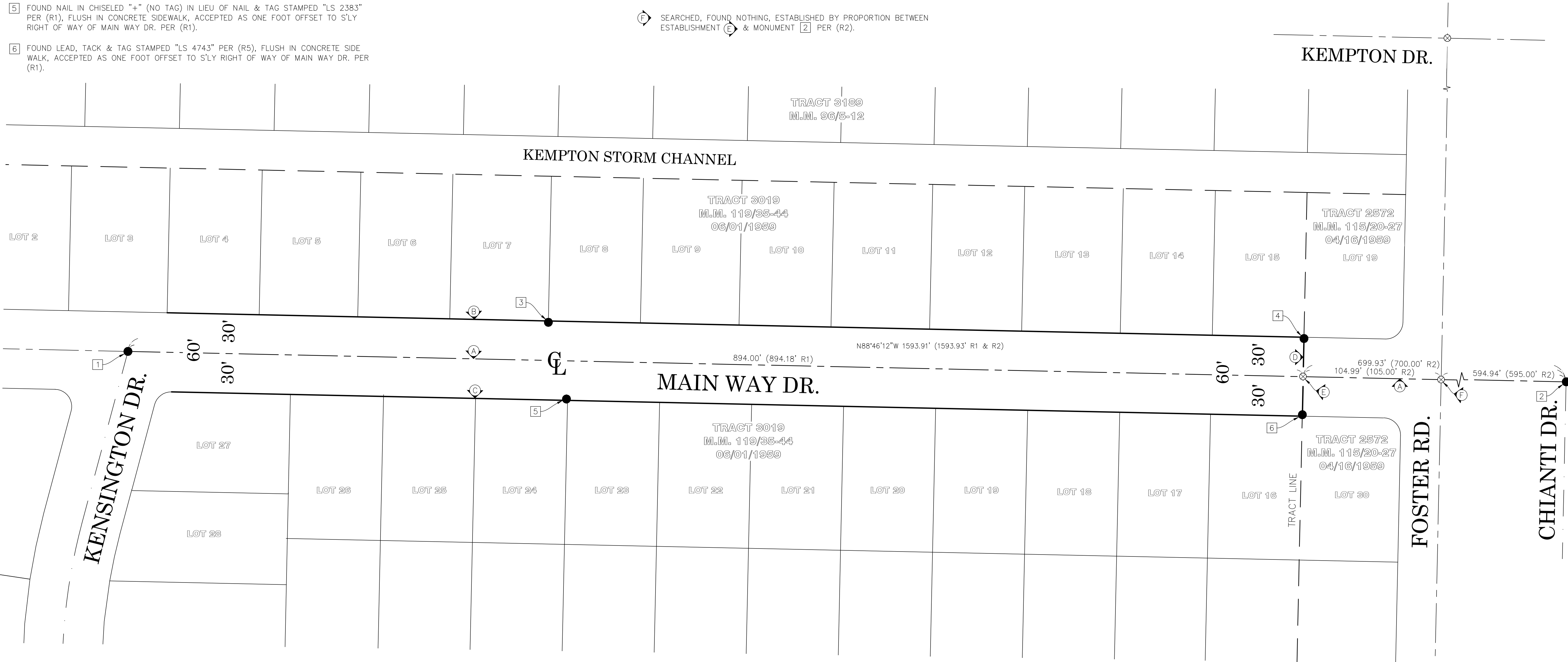
- [1] FOUND SPIKE (NO WASHER) IN LIEU OF SPIKE & TIN PER (R1), DOWN 0.45' IN AC, ACCEPTED AS A CENTERLINE INTERSECTION OF MAIN WAY DR. & KENSINGTON DR. PER (R1).
- [2] FOUND SPIKE & 1-1/4" OCS WASHER PER (R4), FLUSH IN AC, ACCEPTED AS A CENTERLINE INTERSECTION OF MAIN WAY DR. & CHIANTI DR. PER (R1).
- [3] FOUND NAIL IN CHISELED "+" WITH TAG (ILLEGIBLE) PER (R1), FLUSH IN CONCRETE SIDEWALK, ACCEPTED AS ONE FOOT OFFSET TO N'LY RIGHT OF WAY OF MAIN WAY DR. PER (R1).
- [4] FOUND BROKEN NAIL IN LIEU OF NAIL & TAG STAMPED "LS 2383" PER (R1), FLUSH IN CONCRETE SIDEWALK, ACCEPTED AS ONE FOOT OFFSET TO N'LY RIGHT OF WAY OF MAIN WAY DR. PER (R1).
- [5] FOUND NAIL IN CHISELED "+" (NO TAG) IN LIEU OF NAIL & TAG STAMPED "LS 2383" PER (R1), FLUSH IN CONCRETE SIDEWALK, ACCEPTED AS ONE FOOT OFFSET TO S'LY RIGHT OF WAY OF MAIN WAY DR. PER (R1).
- [6] FOUND LEAD, TACK & TAG STAMPED "LS 4743" PER (R5), FLUSH IN CONCRETE SIDE WALK, ACCEPTED AS ONE FOOT OFFSET TO S'LY RIGHT OF WAY OF MAIN WAY DR. PER (R1).

ESTABLISHMENT NOTES

- [A] ESTABLISHED THE CENTERLINE OF MAIN WAY DRIVE BY HOLDING A LINE BETWEEN MONUMENTS [1] & [2] PER (R1 & R2).
- [B] ESTABLISHED THE N'LY RIGHT OF WAY OF MAIN WAY DRIVE 30' N'LY OF & PARALLEL WITH THE LINE ESTABLISHMENT [A] PER (R1).
- [C] ESTABLISHED THE S'LY RIGHT OF WAY OF MAIN WAY DRIVE 30' S'LY OF & PARALLEL WITH THE LINE ESTABLISHMENT [A] PER (R1).
- [D] "ESTABLISHED A PORTION OF THE WESTERLY TRACT LINE OF TRACT 2572 BY HOLDING A LINE BETWEEN MONUMENTS [4] & [6] PER (R2).
- [E] SEARCHED, FOUND NOTHING, ESTABLISHED BY THE INTERSECTION OF LINE ESTABLISHMENTS [A] & [D] PER (R1).
- [F] SEARCHED, FOUND NOTHING, ESTABLISHED BY PROPORTION BETWEEN ESTABLISHMENT [E] & MONUMENT [2] PER (R2).

REFERENCES

- (R1) = TRACT NO. 3019, M.M. 119/35-44
- (R2) = TRACT NO. 2572, M.M. 115/20-27
- (R3) = O.C.S. ALIGNMENT NOTE A/4-11&12, PGS. 1022-1044
- (R4) = CORNER RECORD, C.R. 1998-0351
- (R5) = RECORD OF SURVEY 2016-1215, RSB 292/47



NOTES

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

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.

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 1.00001047.

COMBINATION FACTOR WAS HELD AT: #700
N: 2234019.22" E: 6004814.91" ELEVATION= 13.31'

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) AND (BSLA) BEING
NORTH 28°33'39" 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.



SCALE: 1" = 40'

U.S. Survey
Foot

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

LEGEND

- FOUND MONUMENT AS NOTED
- ⊗ SEARCHED, FOUND NOTHING

			COUNTY OF ORANGE OC PUBLIC WORKS			
			2721 MAIN WAY DR. TOPOGRAPHIC SURVEY			
			BOUNDARY MAP			
			PROJECT LIMITS: FROM: 2661 MAIN WAY DR.			
			TO: 2751 MAIN WAY DR.			
MARK	DATE	ITEM	DATE OF SURVEY:10/19/2020		BY:T. LOFGREEN	SHEET NO. 2 of 5
			MAPPING		BY:S. STROM	
			OFFICE CHECK		BY:M. KUBISTY PLS	
			FIELD CHECK		BY:T. LOFGREEN	
			SCALE: 1" = 40'		W.O. #E19202	
		FILE: 2721 MAIN WAY_BOUNDARY_2020.DWG				

SEE SHEET 4

APN 086-423-03
2361 MAINWAY DR

APN 086-423-04
2641 MAINWAY DR

APN 086-423-05
2661 MAINWAY DR

APN 086-423-06
2671 MAINWAY DR

APN 086-423-07
2691 MAINWAY DR

0.45 BLOCK
WALL ENC.

0.47 BLOCK
WALL ENC.

0.43 BLOCK
WALL ENC.

0.54 BRICK
WALL ENC.

BEGIN CONSTRUCTION
ALIGNMENT PER
THIS SURVEY AT
CONC. FLOW LINE
(SEE PROFILE SHEET 5)

CP# 4751
FD SQUAREHEAD SPIKE
DN 0.45 FT IN AC
N: 2234053.44'
E: 6003221.35'
EL: 11.54'

CP# 4005
FD LEAD /TACK AND OCS
TAG STAMPED THE
FLUSH IN CONCRETE CURB
N: 2234015.61'
E: 6003230.12'
EL: 11.90'

MAINWAY DRIVE

LEGEND

SYMBOL

- △ Control Point
- Fire Hydrant
- Gate, Single
- ⊙ Light Pole, Double
- ⊙ Manhole Sewer
- ⊙ Manhole Water
- ⊙ Meter Undefined
- ⊙ Meter Water
- ⊙ Sewer Cleanout
- ⊙ Sign Post
- ⊙ Tree
- ⊙ Valve Irrigation
- ⊙ Valve Water

LINE PATTERN KEY

- Block Wall
- Centerline
- Edge of Concrete
- Edge of Asphalt Pavement
- Flowline
- Right of Way

AREA PATTERN KEY

- Concrete
- Brick
- Dirt
- Grass

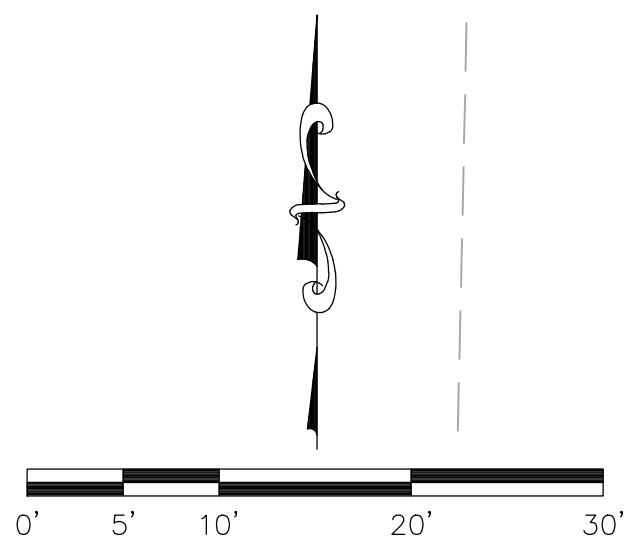
ABBREVIATION

- AC Asphalt Concrete
- BC Beginning of Curve
- CL Centerline
- CLR Clearance
- CONC Concrete
- CP Control Point
- EL Elevation
- ENC Encroachment
- EC End of Curve
- FL Flowline
- FD Found
- TC Top of Curb

APN 086-424-02
2662 MAINWAY DR

APN 086-424-03
2672 MAINWAY DR

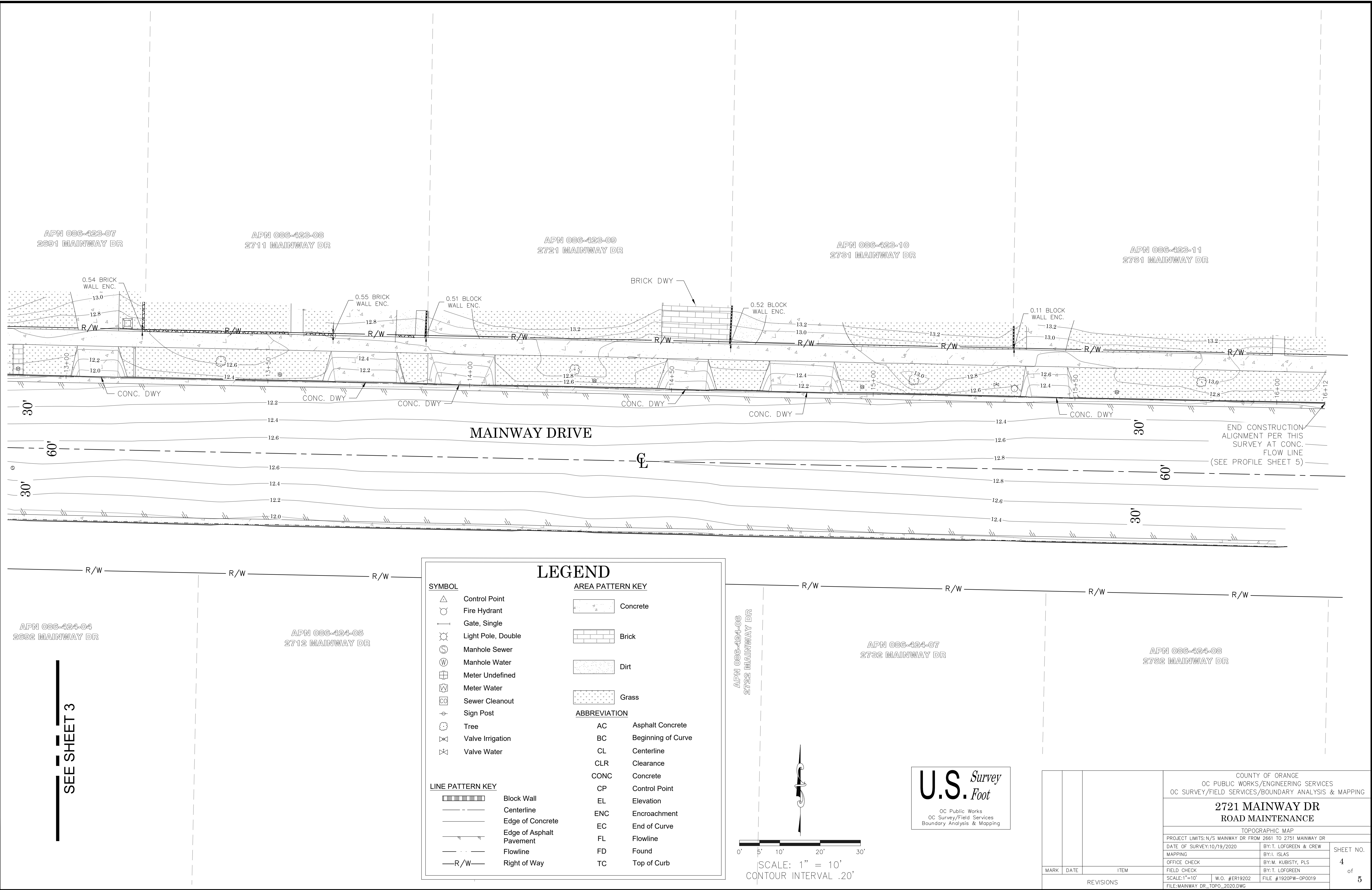
APN 086-424-04
2692 MAINWAY DR



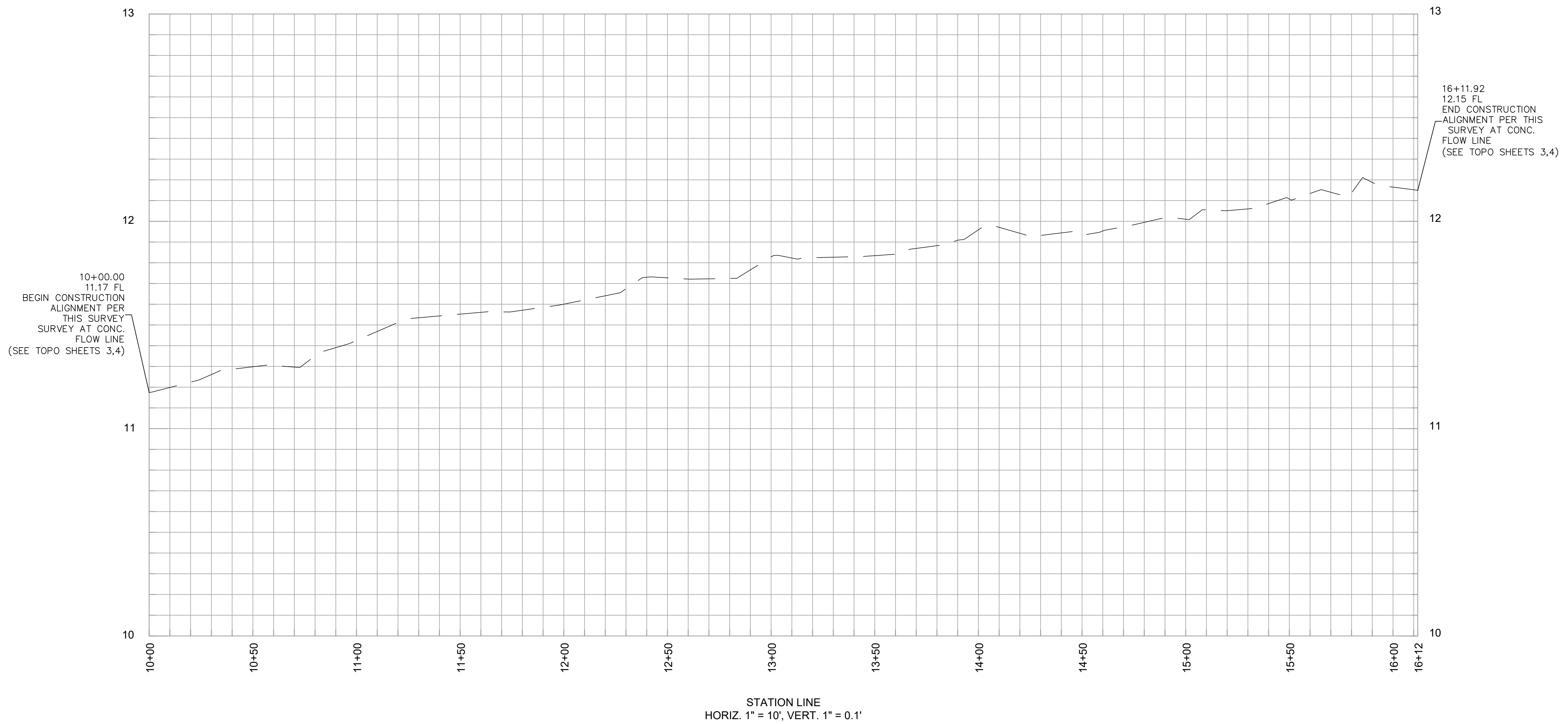
SCALE: 1" = 10'
CONTOUR INTERVAL .20'

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

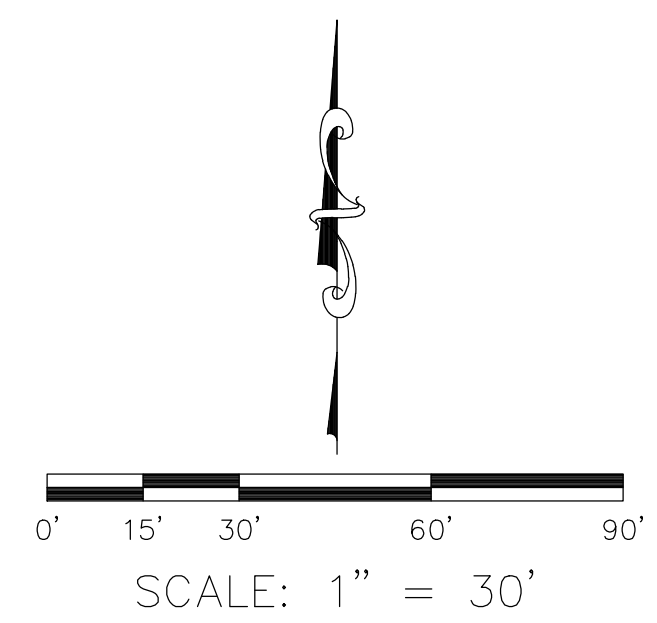
COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
2721 MAINWAY DR ROAD MAINTENANCE			
TOPOGRAPHIC MAP			
PROJECT LIMITS: N/S MAINWAY DR FROM 2661 TO 2751 MAINWAY DR			
DATE OF SURVEY: 10/19/2020		BY: T. LOFGREEN & CREW	
MAPPING		BY: L. ISLAS	
OFFICE CHECK		BY: M. KUBISTY, PLS	
FIELD CHECK		BY: T. LOFGREEN	
SCALE: 1"=10'		W.O. #ER19202	FILE #1920PW-OP0019
FILE: MAINWAY_DR_TOPO_2020.DWG			
MARK	DATE	ITEM	
REVISIONS			
			SHEET NO. 3 of 5



PROFILE OF THE EXISTING N'LY CONCRETE FLOWLINE OF MAINWAY DRIVE



NOTE: THE ALIGNMENT FOR THIS PROFILE WAS DEVELOPED HOLDING A STATION OF 10+00 AT THE W'LY END OF THE EXISTING CONCRETE FLOWLINE ON THE N'LY SIDE OF MAINWAY DR AND INCREASING E'LY AS SHOWN ON SHEET 3 & 4



			COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			2721 MAINWAY DR ROAD MAINTENANCE				
			TOPOGRAPHIC MAP				
			PROJECT LIMITS: N/S MAINWAY DR FROM 2661 TO 2751 MAINWAY DR				
			DATE OF SURVEY: 10/19/2020		BY: T. LOFGREEN & CREW		SHEET NO. 5 of 5
			MAPPING		BY: I. ISLAS		
			OFFICE CHECK		BY: M. KUBISTY, PLS		
			FIELD CHECK		BY: T. LOFGREEN		
			SCALE: 1"=30'		W.O. # ER19202	FILE # 1920PW-OP0019	
			FILE: MAINWAY DR_TOPO_2020.DWG				
MARK	DATE	ITEM					
REVISIONS							