



OC PUBLIC WORKS DEPARTMENT

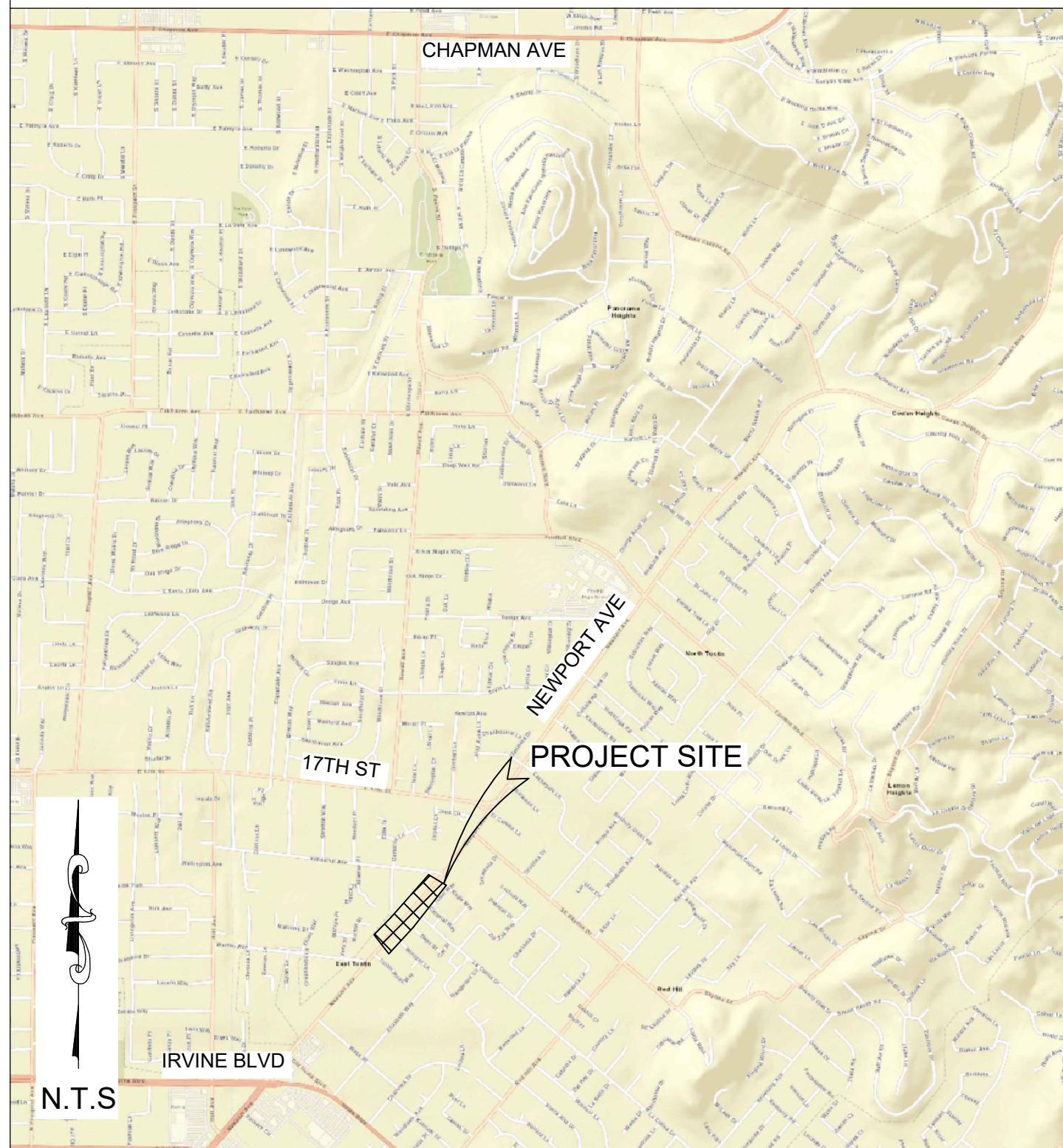
SHANE SILSBY, DIRECTOR

KEVIN HILLS, COUNTY SURVEYOR

NEWPORT AVE. & LA COLINA DR.



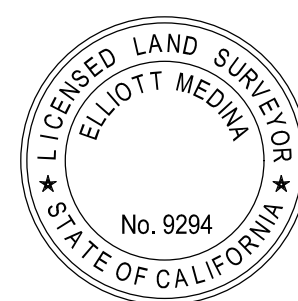
LOCATION MAP



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 30 DAY OF AUGUST, 2019.

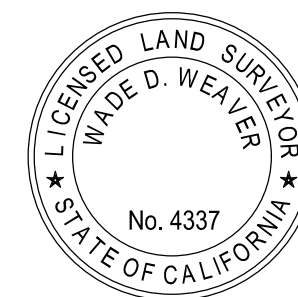
ELLIOTT MEDINA, PLS. SENIOR LAND SURVEYOR



DEPUTY COUNTY SURVEYOR'S STATEMENT:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS 30 DAY OF AUGUST, 2019.

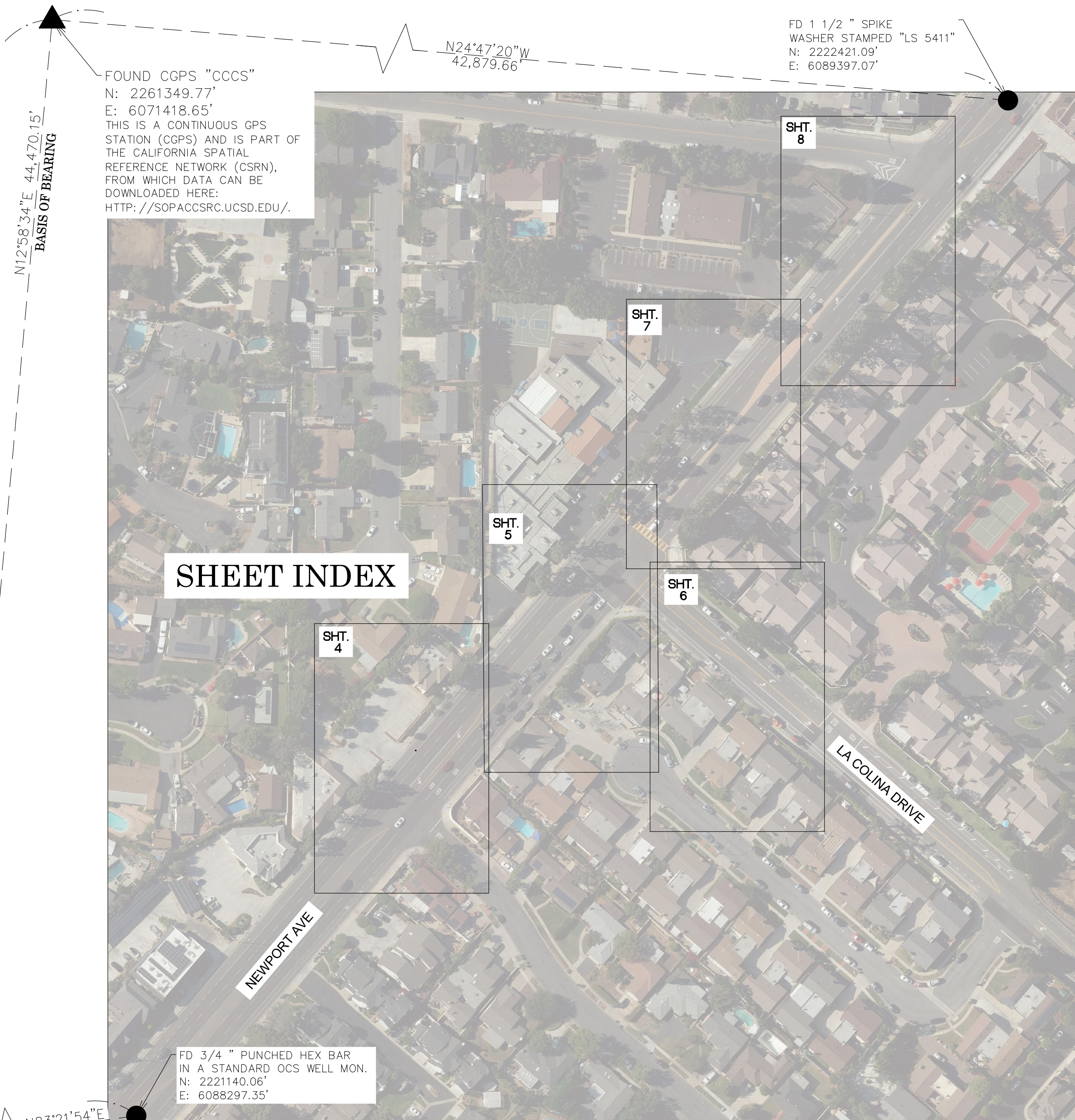
WADE WEAVER, PLS. DEPUTY COUNTY SURVEYOR



U.S. Survey Foot

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

FOUND CGPS "SACY"
N: 2218015.22'
E: 6061433.12'
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/)



SHEET INDEX

FD 3/4 " PUNCHED HEX BAR
IN A STANDARD OCS WELL MON.
N: 2221140.06'
E: 6088297.35'

N83°21'54"E
27,045.37'

FOUND CGPS "CCCS"
N: 2261349.77'
E: 6071418.65'
THIS IS A CONTINUOUS GPS STATION (CGPS) AND IS PART OF THE CALIFORNIA SPATIAL REFERENCE NETWORK (CSRN), FROM WHICH DATA CAN BE DOWNLOADED HERE:
[HTTP://SOPACCSRC.UCSD.EDU/](http://SOPACCSRC.UCSD.EDU/)

N24°47'20"W
42,879.66'

FD 1 1/2 " SPIKE
WASHER STAMPED "LS 5411"
N: 2222421.09'
E: 6089397.07'

TRAFFIC SIGNAL UPGRADES

TOPOGRAPHIC MAPPING PROJECT

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2007.00) EPOCH ADJUSTMENT, AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS GLOBAL POSITIONING STATIONS CGPS (CCCS) AND (SACY) BEING NORTH 12°58'34" EAST AS DERIVED FROM THE COORDINATES PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC) ALONG WITH DATA SHEETS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.

HORIZONTAL DATUM

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

ALL DISTANCES SHOWN ARE GRID, UNLESS OTHERWISE NOTED. TO OBTAIN GROUND DISTANCES DIVIDE A GRID DISTANCE BY 0.99977789.
ALL DISTANCES ARE BASED ON THE U.S. SURVEY FOOT.

VERTICAL DATUM

O.C.S. BM. 3A-109-79 ELEV. = 197.328' YEAR LEVELED: 2015
NAVD 1988 (O.C.S. 1995 ADJUSTMENT)

DESCRIPTION: MONUMENT IS SET IN KNOWN SUBSIDENCE ZONE AND MAY NOT FIT ADJACENT BENCHMARKS. DESCRIBED BY OCS 2002 - FOUND 3 3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "3A-109-79", SET IN THE SOUTHEASTERLY CORNER OF A 4 FT. BY 4.5 FT. CONCRETE CATCH BASIN. MONUMENT IS LOCATED IN THE SOUTHEASTERLY CORNER OF THE INTERSECTION OF 17TH STREET AND NEWPORT AVENUE, 48 FT. SOUTHEASTERLY OF THE CENTERLINE OF NEWPORT AVENUE AND 60 FT. SOUTHWESTERLY OF THE CENTERLINE OF ELCAMINO LANE. 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.

SHEET INDEX

SHEET	NO.	DESCRIPTION
SHEET 1	TITLE SHEET	
SHEET 2	BOUNDARY MAP	
SHEETS 3-7	TOPOGRAPHIC MAP	

PURPOSE OF SURVEY

THE PURPOSE OF THE SURVEY IS TO PROVIDE A TOPOGRAPHIC MAP AND RIGHT OF WAY ESTABLISHMENT FOR THE INTERSECTION AT NEWPORT AVE. AND LA COLINA DR.

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			NEWPORT AVE. & LA COLINA DR. TRAFFIC SIGNAL UPGRADES			
			TITLE SHEET			
			PROJECT LIMITS: 500' NORTH AND SOUTH ALONG NEWPORT AVE FROM LA COLINA DRIVE, AND 300' EAST ALONG LA COLINA FROM NEWPORT AVE.			
			DATE OF SURVEY: AUGUST, 2019		BY: R. MACIAS & PARTY	
			TOPOGRAPHIC MAPPING		BY: H. AFTIM	
			OFFICE CHECK		BY: E. MEDINA, PLS	
			FIELD CHECK		BY: R. MACIAS, PLS	
			W.O. #E019815		FILE NO.	
			FILE: NEWPORT AVE_TPOD_2019.DWG			
MARK	DATE	ITEM				
REVISIONS						
SHEET NO. 1 of 7						

MONUMENT NOTES

- 103

FOUND NAIL & 3/4" TAG ILLEGIBLE, IN IN STANDARD OCS WELL, DN. 1.5', ACCEPTED AS A POINT ON CENTERLINE OF LA COLINA DRIVE, PER (R11).
- 142

FOUND GEAR SPIKE & 1-1/2" WASHER STAMPED 'LS 5411' FLUSH WITH A.C., ACCEPTED AS A POINT ON CENTERLINE OF NEWPORT AVENUE PER (R7).
- 143

FOUND MAG NAIL & 1-1/2" TAG STAMPED "LS 4025" FLUSH WITH A.C., ACCEPTED AS A POINT ON CENTERLINE OF NEWPORT AVENUE PER (R6).
- 144

FOUND GEAR SPIKE & 1-1/2 " WASHER STAMPED "LS 5411" FLUSH WITH A.C., PER (R5) , NOT ACCEPTED AS A POINT ON CENTERLINE OF NEWPORT AVENUE, PER (R6) .
- 205

FOUND CONCRETE NAIL, DN. 0.45' IN A.C., NO REFERENCE. ACCEPTED AS A POINT ON CENTERLINE OF NEWPORT AVENUE.
- 207

FOUND SPIKE, DN. 0.45' IN A.C., NO REFERENCE, NOT ACCEPTED AS POINT ON CENTERLINE OF LA COLINA DRIVE.
- 800

FOUND GEAR SPIKE & 1-1/2" WASHER STAMPED "LS 5411", FLUSH WITH A.C., PER (R4). NOT ACCEPTED AS POINT ON CENTERLINE OF NEWPORT AVENUE.
- 801

FOUND 3/4" PUNCHED HEX BAR DN. 1.60' IN STANDARD O.C.S. WELL, ACCEPTED AS A POINT ON CENTERLINE OF NEWPORT AVENUE PER (R3).
- 6033

FOUND 3/4 INCH PUNCHED HEX BAR, DN. 2' IN STANDARD O.C.S. WELL, ACCEPTED AS CENTERLINE INTERSECTION OF NEWPORT AVENUE AND LA COLINA DRIVE, PER (R3).

REFERENCES

- (R1) = TRACT NO. 8108, MM 365/21-26
- (R2) = TRACT NO. 1584, MM 48/18
- (R3) = O.C.S. ALIGNMENT NOTE A/5-9+541-587, PGS. 579
- (R4) = CORNER RECORD 2011-4051
- (R5) = CORNER RECORD 2011-4046
- (R6) = TRACT NO. 18000, MM 968/1-4
- (R7) = CORNER RECORD 2011-4042
- (R8) = TRACT NO. 2825, MM 87/30-31
- (R9) = TRACT NO. 10828, MM 481/14-15
- (R10) = TRACT NO. 7580, MM 292/45-46
- (R11) = RECORD OF SURVEY NO. 2010-1135, R.S.B. 254/47-48
- (R12) = O.C.S. ALIGNMENT NOTE CSTB 117/24

ESTABLISHMENT NOTES

- A

ESTABLISHED THE CENTERLINE OF LA COLINA DRIVE BY ACCEPTING MONUMENTS **103** AND **6033** .
- B

ESTABLISHED THE R/W PARALLEL AND 40' PERPENDICULAR FROM THE ESTABLISHED CENTERLINE PER (R1).
- C

ESTABLISHED THE CENTERLINE OF NEWPORT AVENUE BY ACCEPTING MONUMENTS **142** AND **801**.
- D

ESTABLISHED THE R/W PARALLEL AND 50' PERPENDICULAR FROM THE ESTABLISHED CENTERLINE PER (R6 AND R9).

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 "CCCS" AND "SACY" HAVING A BEARING OF N12°58'34"E.

HORIZONTAL DATUM

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

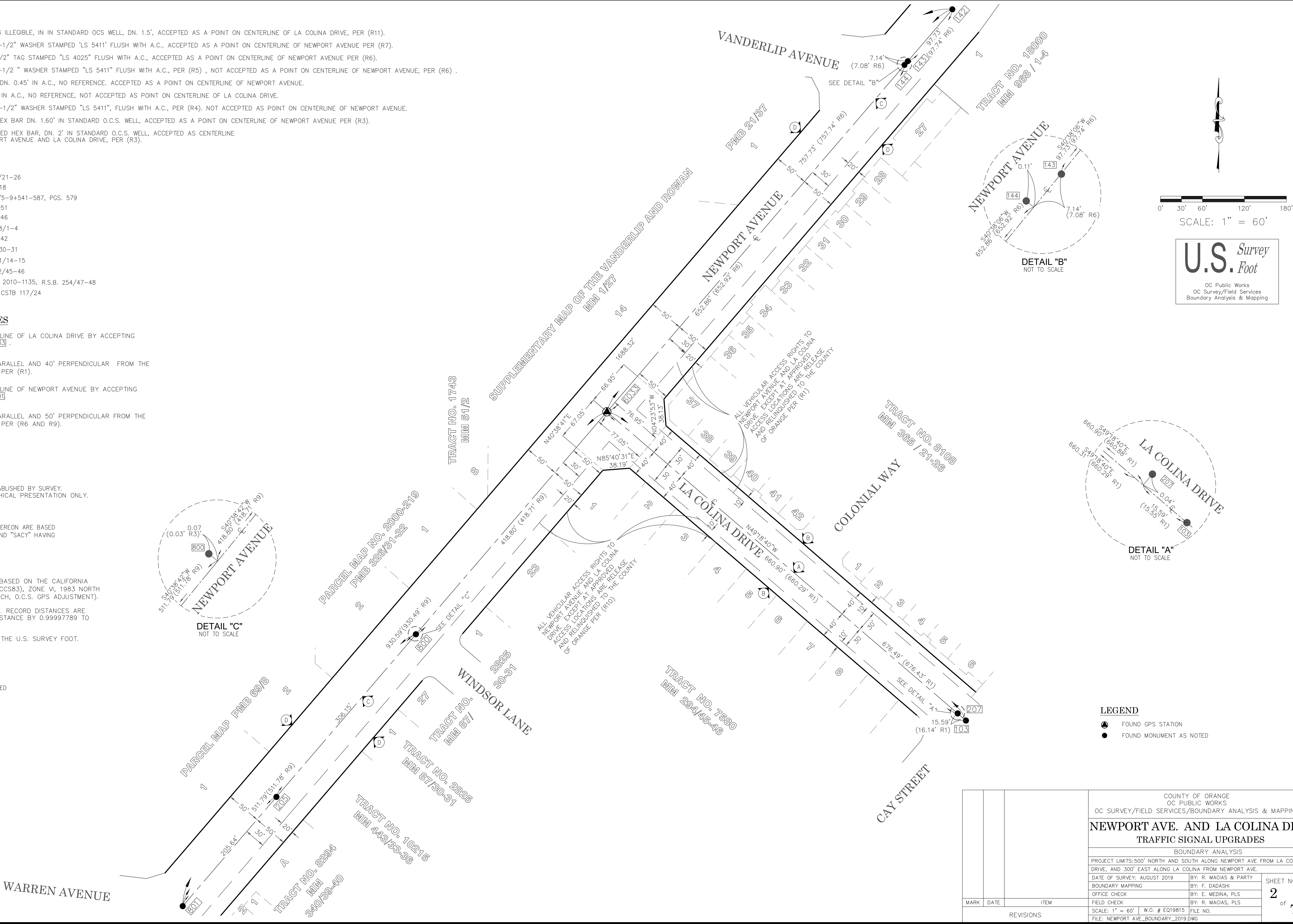
MEASURED DISTANCES ARE GRID. RECORD DISTANCES ARE GROUND.MULTIPLY A GROUND DISTANCE BY 0.99997789 TO OBTAIN GRID DISTANCE.

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

LEGEND

- ▲

FOUND GPS STATION
- FOUND MONUMENT AS NOTED



LEGEND

- ▲

FOUND GPS STATION
- FOUND MONUMENT AS NOTED

				COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		NEWPORT AVE. AND LA COLINA DR. TRAFFIC SIGNAL UPGRADES			
		BOUNDARY ANALYSIS			
		PROJECT LIMITS: 500' NORTH AND SOUTH ALONG NEWPORT AVE FROM LA COLINA DRIVE, AND 300' EAST ALONG LA COLINA FROM NEWPORT AVE.			
		DATE OF SURVEY: AUGUST 2019		BY: R. MACIAS & PARTY	
BOUNDARY MAPPING		BY: F. DADASHI			
OFFICE CHECK		BY: E. MEDINA, PLS			
FIELD CHECK		BY: R. MACIAS, PLS			
SCALE: 1" = 60'		W.O. # E019815 FILE NO.			
MARK	DATE	ITEM	REVISIONS		FILE: NEWPORT_AVE_BOUNDARY_2019.DWG

SYMBOL PATTERN KEY

- Gate, single
- 3"/4" Pipe Inlet / Pipe Outlet Unless Otherwise Noted
- Vault - Electrical
- Steel Sign
- Water Meter
- Sewer Manhole
- Light Pole
- Water Valve
- Pull box - Electrical
- Vent Pipe
- Traffic Sensor
- Telephone Control Box
- Fire Hydrant
- Tree
- Side Walk Culvert Concrete

LEGEND

LINE PATTERN KEY

- Centerline
- Edge of Asphalt Pavement
- Edge of Concrete Pavement
- Fence - Chain Link
- Flowline
- BUSH LINE
- Right of Way
- Street Striping
- Concrete Wall
- Block Wall
- Stucco Wall
- Brick Wall

AREA PATTERN KEY

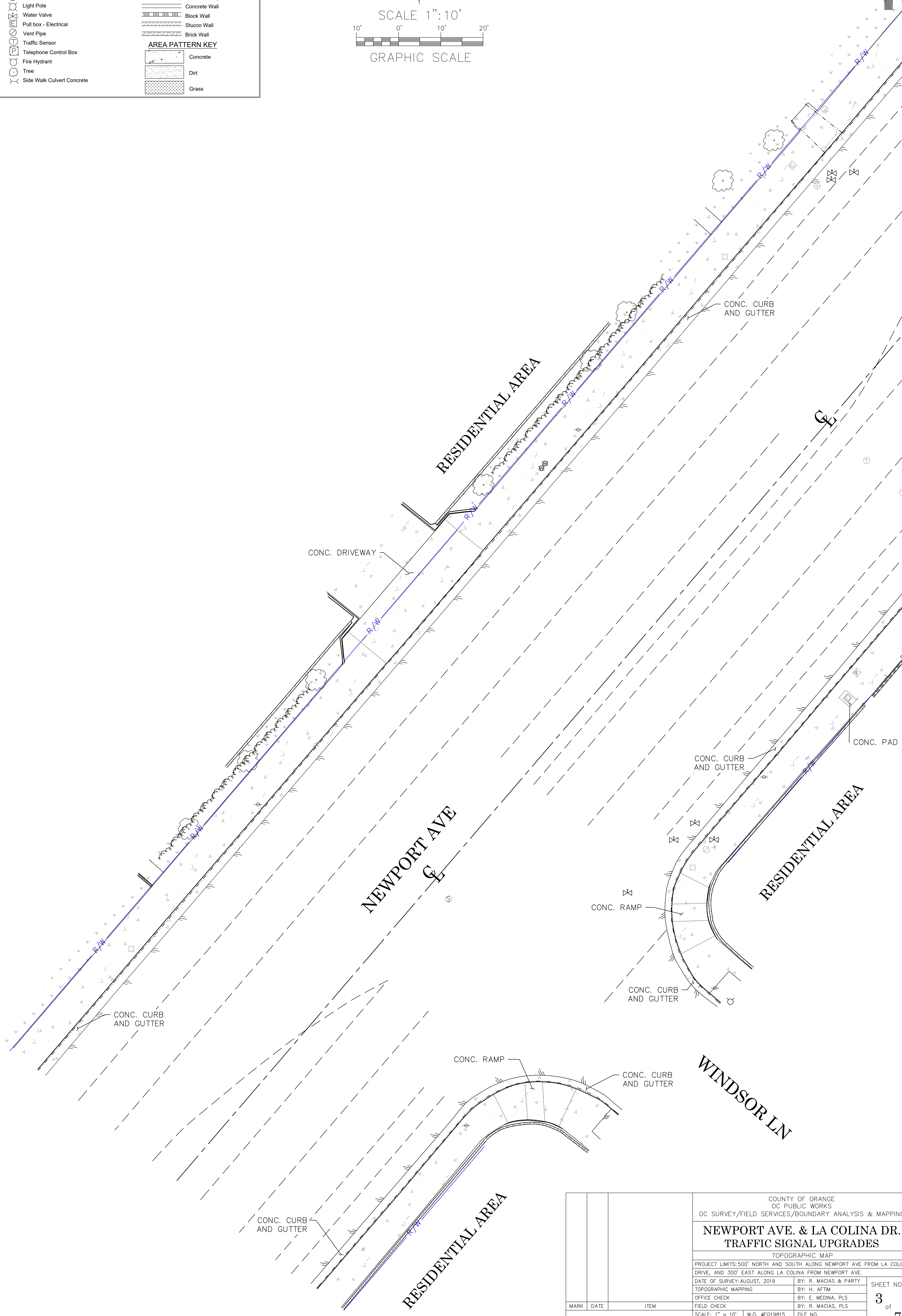
- Concrete
- Dirt
- Grass

U.S. Survey Foot

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

SCALE 1"=10'

GRAPHIC SCALE



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
			NEWPORT AVE. & LA COLINA DR. TRAFFIC SIGNAL UPGRADES	
			TOPOGRAPHIC MAP	
			PROJECT LIMITS: 500' NORTH AND SOUTH ALONG NEWPORT AVE FROM LA COLINA DRIVE, AND 300' EAST ALONG LA COLINA FROM NEWPORT AVE.	
			DATE OF SURVEY: AUGUST, 2019	BY: R. MACIAS & PARTY
			TOPOGRAPHIC MAPPING	BY: H. AFTM
			OFFICE CHECK	BY: E. MEDINA, PLS
			FIELD CHECK	BY: R. MACIAS, PLS
			SCALE: 1" = 10'	W.O. #EQ19815
			FILE NO.	
			FILE: NEWPORT AVE_TOPO_2019.DWG	
MARK	DATE	ITEM		
REVISIONS				

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			NEWPORT AVE. & LA COLINA DR. TRAFFIC SIGNAL UPGRADES				
			TOPOGRAPHIC MAP				
			PROJECT LIMITS: 500' NORTH AND SOUTH ALONG NEWPORT AVE FROM LA COLINA DRIVE, AND 300' EAST ALONG LA COLINA FROM NEWPORT AVE.				
			DATE OF SURVEY: AUGUST, 2019		SHEET NO. 4 of 7		
			TOPOGRAPHIC MAPPING				
			OFFICE CHECK				
			FIELD CHECK				
			MARK	DATE	ITEM	REVISIONS	
						SCALE: 1" = 10'	W.O. #EQ19815
			SCALE: NEWPORT_AVE_TOPO_2019.DWG				

SEE SHEET 6

RESIDENTIAL AREA

LA COLINA DR

RESIDENTIAL AREA

CONC. CURB
AND GUTTER

CONC. CURB
AND GUTTER

SEE SHEET 4



U.S. Survey
Foot

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

SCALE 1"=10'



GRAPHIC SCALE

LEGEND

SYMBOL PATTERN KEY

- Gate, single
- 3" / 4" Pipe Inlet / Pipe Outlet Unless Otherwise Noted
- Vault - Electrical
- Steel Sign
- Water Meter
- Sewer Manhole
- Light Pole
- Water Valve
- Pull box - Electrical
- Vent Pipe
- Traffic Sensor
- Telephone Control Box
- Fire Hydrant
- Tree
- Side Walk Culvert Concrete

LINE PATTERN KEY

- Centerline
- Edge of Asphalt Pavement
- Edge of Concrete Pavement
- Fence - Chain Link
- Flowline
- BUSH LINE
- Right of Way
- Street Striping
- Concrete Wall
- Block Wall
- Stucco Wall
- Brick Wall

AREA PATTERN KEY

- Concrete
- Dirt
- Grass

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			NEWPORT AVE. & LA COLINA DR. TRAFFIC SIGNAL UPGRADES			
			TOPOGRAPHIC MAP			
			PROJECT LIMITS: 500' NORTH AND SOUTH ALONG NEWPORT AVE FROM LA COLINA DRIVE, AND 300' EAST ALONG LA COLINA FROM NEWPORT AVE.			
			DATE OF SURVEY: AUGUST, 2019		BY: R. MACIAS & PARTY	
			TOPOGRAPHIC MAPPING		BY: H. AFTIM	
			OFFICE CHECK		BY: E. MEDINA, PLS	
			FIELD CHECK		BY: R. MACIAS, PLS	
			SCALE: 1" = 10'		W.O. #EQ19815	
			FILE: NEWPORT AVE_TOPO_2019.DWG		FILE NO.	
MARK	DATE	ITEM	REVISIONS		SHEET NO. 5 of 7	

SYMBOL PATTERN KEY

Gate, single

3/4" Pipe Inlet / Pipe Outlet Unless Otherwise Noted

Vault - Electrical

Steel Sign

Water Meter

Sewer Manhole

Light Pole

Water Valve

Pull box - Electrical

Vent Pipe

Traffic Sensor

Telephone Control Box

Fire Hydrant

Tree

Side Walk Culvert Concrete

LEGEND

LINE PATTERN KEY

Centerline

Edge of Asphalt Pavement

Edge of Concrete Pavement

Fence - Chain Link

Flowline

BUSH LINE

Right of Way

Street Striping

Concrete Wall

Block Wall

Stucco Wall

Brick Wall

AREA PATTERN KEY

Concrete

Dirt

Grass

U.S. Survey
Foot

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

SCALE 1"=10'

GRAPHIC SCALE

RESIDENTIAL AREA

CONC. DRIVEWAY

CONC. CURB AND GUTTER

RAISED MEDIAN

BUS STOP

CONC. RAMP

ADA DETECTABLE WARNING SURFACE

NEWPORT AVE

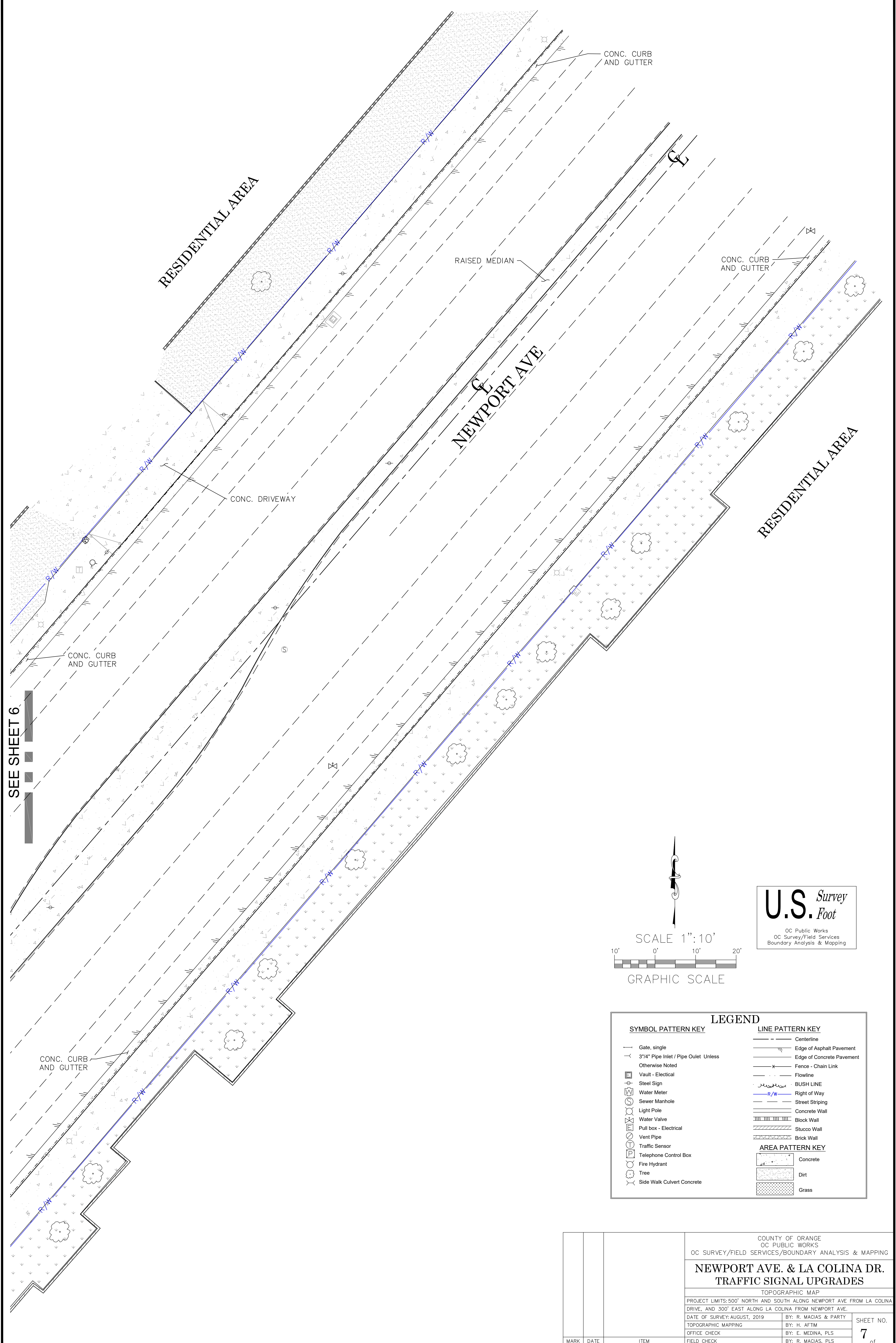
LA COLINA DR

SEE SHEET 4

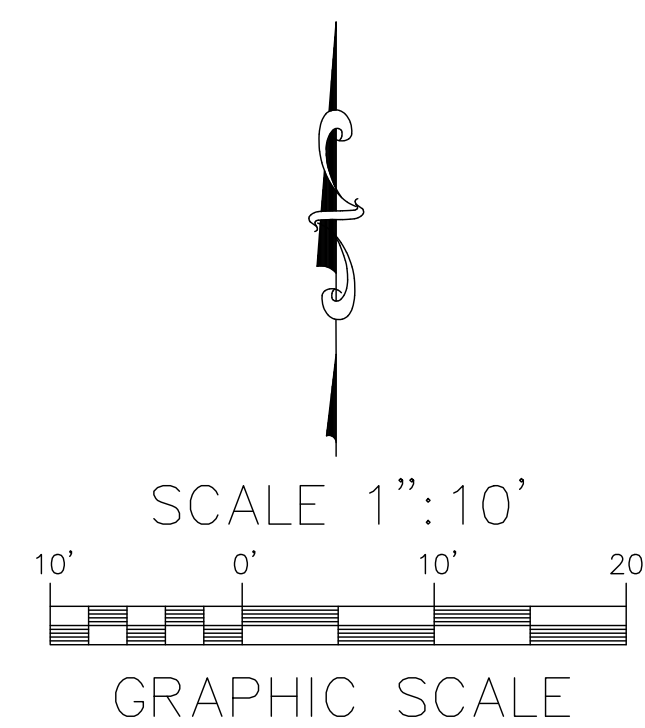
SEE SHEET 5

SEE SHEET 7

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
			NEWPORT AVE. & LA COLINA DR. TRAFFIC SIGNAL UPGRADES	
			TOPOGRAPHIC MAP	
			PROJECT LIMITS: 500' NORTH AND SOUTH ALONG NEWPORT AVE FROM LA COLINA DRIVE, AND 300' EAST ALONG LA COLINA FROM NEWPORT AVE.	
			DATE OF SURVEY: AUGUST, 2019	BY: R. MACIAS & PARTY
			TOPOGRAPHIC MAPPING	BY: H. AFTIM
			OFFICE CHECK	BY: E. MEDINA, PLS
			FIELD CHECK	BY: R. MACIAS, PLS
			SCALE: 1" = 10'	W.O. #EQ19815
			FILE NO.	
			FILE: NEWPORT AVE_TOPO_2019.DWG	
MARK	DATE	ITEM		
REVISIONS				
			SHEET NO. 6 of 7	



SEE SHEET 6



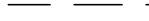
U.S. Survey Foot
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

LEGEND

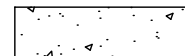
SYMBOL PATTERN KEY

LINE PATTERN KEY

	Gate, single
	3/4" Pipe Inlet / Pipe Outlet Unless Otherwise Noted
	Vault - Electrical
	Steel Sign
	Water Meter
	Sewer Manhole
	Light Pole
	Water Valve
	Pull box - Electrical
	Vent Pipe
	Traffic Sensor
	Telephone Control Box
	Fire Hydrant
	Tree
	Side Walk Culvert Concrete

	Centerline
	Edge of Asphalt Pavement
	Edge of Concrete Pavement
	Fence - Chain Link
	Flowline
	BUSH LINE
	Right of Way
	Street Striping
	Concrete Wall
	Block Wall
	Stucco Wall
	Brick Wall

AREA PATTERN KEY

	Concrete
	Dirt
	Grass

		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		NEWPORT AVE. & LA COLINA DR. TRAFFIC SIGNAL UPGRADES	
		TOPOGRAPHIC MAP	
		PROJECT LIMITS: 500' NORTH AND SOUTH ALONG NEWPORT AVE FROM LA COLINA DRIVE, AND 300' EAST ALONG LA COLINA FROM NEWPORT AVE.	
		DATE OF SURVEY: AUGUST, 2019	BY: R. MACIAS & PARTY
		TOPOGRAPHIC MAPPING	BY: H. AFTM
		OFFICE CHECK	BY: E. MEDINA, PLS
		FIELD CHECK	BY: R. MACIAS, PLS
		SCALE: 1" = 10'	W.O. #EQ19815
		FILE NO.	
		FILE: NEWPORT AVE_TOPO_2019.DWG	
MARK	DATE	ITEM	SHEET NO.
REVISIONS			7 of 7