



OC PUBLIC WORKS DEPARTMENT
JAMES TREADAWAY, DIRECTOR OF PUBLIC WORKS
KEVIN HILLS, COUNTY SURVEYOR
TRABUCO CREEK CHANNEL (L02)



CHANNEL MAINTENANCE

FROM CASITA CAPISTRANO STORM DRAIN (L02P02) CULVERT OUTLET
ON AVENIDA DE LA VISTA TO CONFLUENCE WITH TRABUCO CREEK

FOUND CGPS "SBCC"
N: 2147751.75'
E: 6088761.20'
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/.

BASIS OF BEARING N85°34'47"E 36,896.90'

IDENTICAL

N06°44'13"E 18,236.18'

N06°32'51"E 17,904.54'

FOUND CGPS "P471"
N: 2150595.47'
E: 6168438.89'
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/.

N62°00'58"E 43,969.62'

IDENTICAL

SET CONTROL POINT #300
REBAR & 1 1/4" ALUMINUM CAP
STAMPED "OCS"
N: 2129963.99'
E: 6129610.18'

SEE SHT. 7

N61°42'24"E 44,207.91'

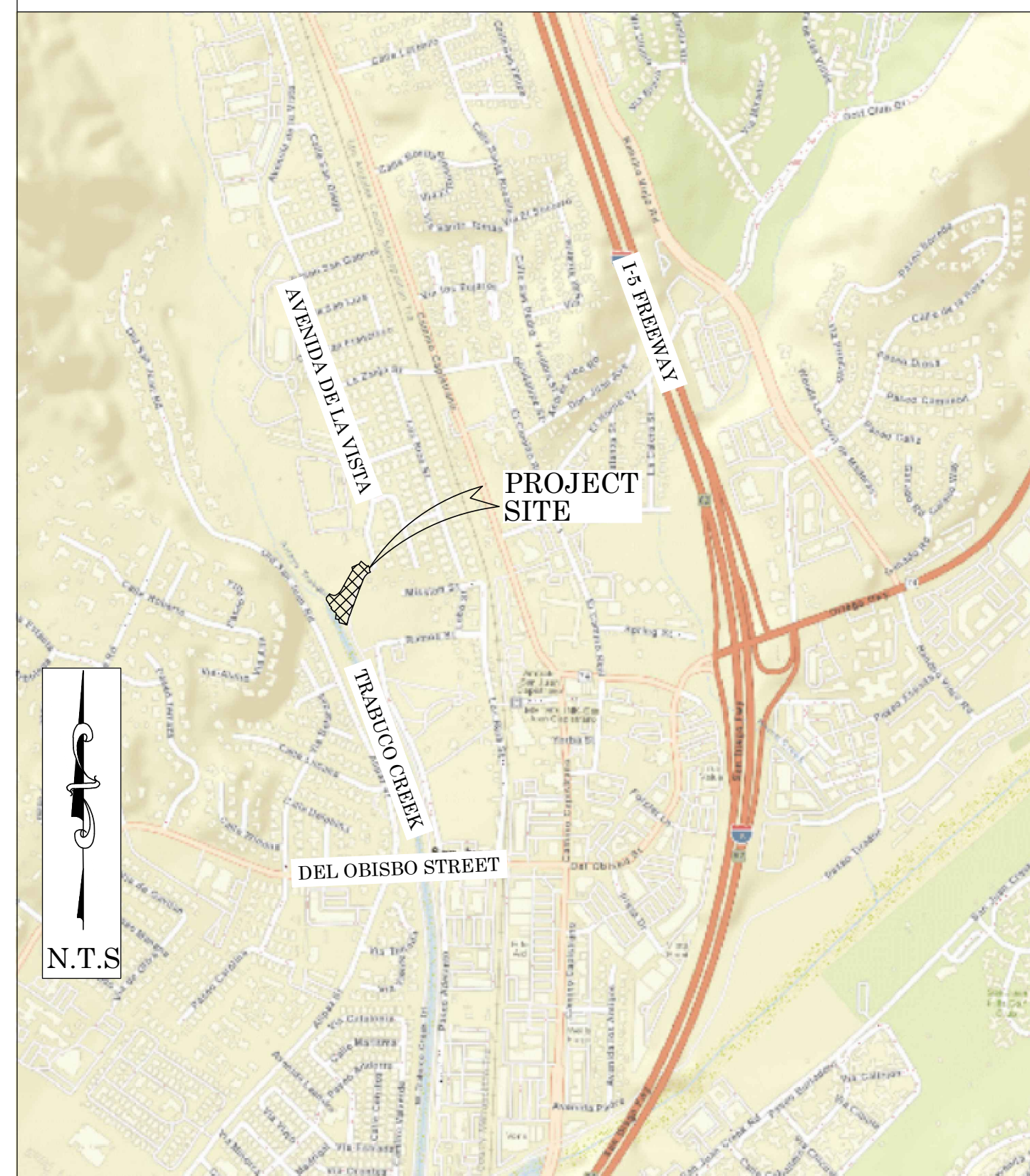
SEE SHT. 5

SEE SHT. 3

SET CONTROL POINT #800
REBAR & 1 1/4" ALUMINUM CAP
STAMPED "OCS"
N: 2129641.49'
E: 6129512.42'

SEE SHT. 4

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 01 DAY OF JUNE, 2020.

JESOM MORENO, PLS. SENIOR LAND SURVEYOR



DEPUTY COUNTY SURVEYOR'S STATEMENT:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE
PROFESSIONAL LAND SURVEYOR'S ACT; THIS 01 DAY OF
JUNE, 2020.

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 (P471) AND (SBCC) BEING
NORTH 85°34'47" 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 1.00004137.

THIS COMBINATION FACTOR WAS DERIVED AT POINT #800
N: 2129641.49', E: 6129612.42', EL: 110.89'

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

VERTICAL DATUM

O.C.S. BM. 3B-59-68 ELEV. = 137.354' YEAR LEVELED: 1990

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

DESCRIPTION: FOUND 3 3/4" OCS ALUMINUM BENCHMARK DISK STAMPED
"3B-59-68", SET IN THE NORTHWESTERLY CORNER OF A 4 FT. BY 7 FT.
CONCRETE DROP INLET. MONUMENT IS LOCATED IN THE NORTHEASTERLY
CORNER OF THE INTERSECTION OF LA ZANJA AND CAMINO CAPISTRANO, 264
FT. NORTHERLY OF THE CENTERLINE OF LA ZANJA AND 32.7 FT. EASTERLY OF
THE CENTERLINE OF CAMINO CAPISTRANO. MONUMENT IS SET LEVEL WITH THE
TOP OF THE CURB.

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
SHEETS 2-7	TOPOGRAPHIC MAP

PURPOSE OF SURVEY

THE PURPOSE OF THE SURVEY IS TO PROVIDE A TOPOGRAPHIC MAP OF THE
PORTION OF TRABUCO CREEK CHANNEL (L02) FOR MAINTENANCE PURPOSES.

RIGHT OF WAY, EASEMENT, AND PROPERTY LINES SHOWN ARE FOR GRAPHICAL
PURPOSES ONLY. A BOUNDARY SURVEY OR TITLE SEARCH WAS NOT
PERFORMED FOR THIS SURVEY.

TOPOGRAPHIC MAPPING PROJECT

COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
TRABUCO CREEK CHANNEL (L02) CHANNEL MAINTENANCE			
TITLE SHEET			
PROJECT LIMITS: FROM CASITA CAPISTRANO STORM DRAIN (L02P02) CULVERT OUTLET ON AVENIDA DE LA VISTA TO CONFLUENCE WITH TRABUCO CREEK			
DATE OF SURVEY: 04/30/2020		BY: R. MACIAS, PLS & PARTY	
MAPPING		BY: A. WJ	
OFFICE CHECK		BY: J. MORENO, PLS	
FIELD CHECK		BY: R. MACIAS, PLS	
SCALE: N.T.S.		W.O. #EF21293	FILE #1920PW-IN0023
REVISIONS		FILE: DEL OBISPO CHANNEL L02P02_TOPO_2020.DWG	

SHEET NO.
1
of
7

LEGEND

SYMBOL

- | | |
|---|---------------------------|
|  | Set Control Point |
|  | Gate |
|  | Guy Wire Anchor |
|  | Pipe Inlet/Outlet |
|  | Post |
|  | Sign Post |
|  | Tree |
|  | Tree, Palm |
|  | Utility Pole, Underground |

AREA PATTERN KEY

- Concrete

Dirt

Grass

Gravel / Rip Rap

LINE PATTERN KEY

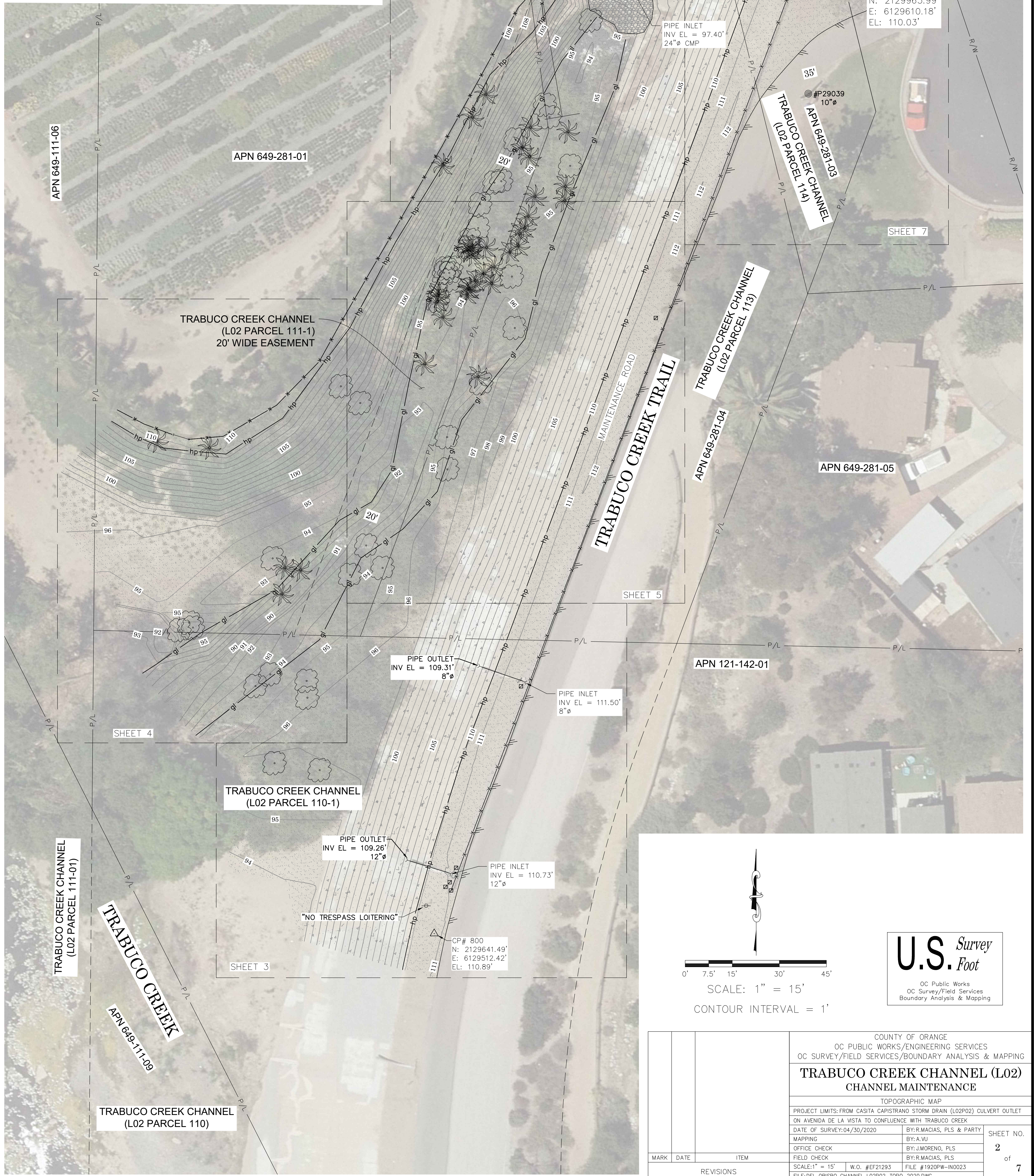
- | | |
|---|--------------------------|
|  | Edge of Concrete |
| | Edge of Asphalt Pavement |
| | Exposed Pipe |
| | Fence Chainlink |
|  | Grade Line |
|  | Hinge Point |
|  | Property Line |
|  | Right of Way |

ABBREVIATION

- | | |
|------|-----------------------|
| CONC | Concrete |
| CMP | Corrugated Metal Pipe |
| CP | Control Point |
| INV | Invert |

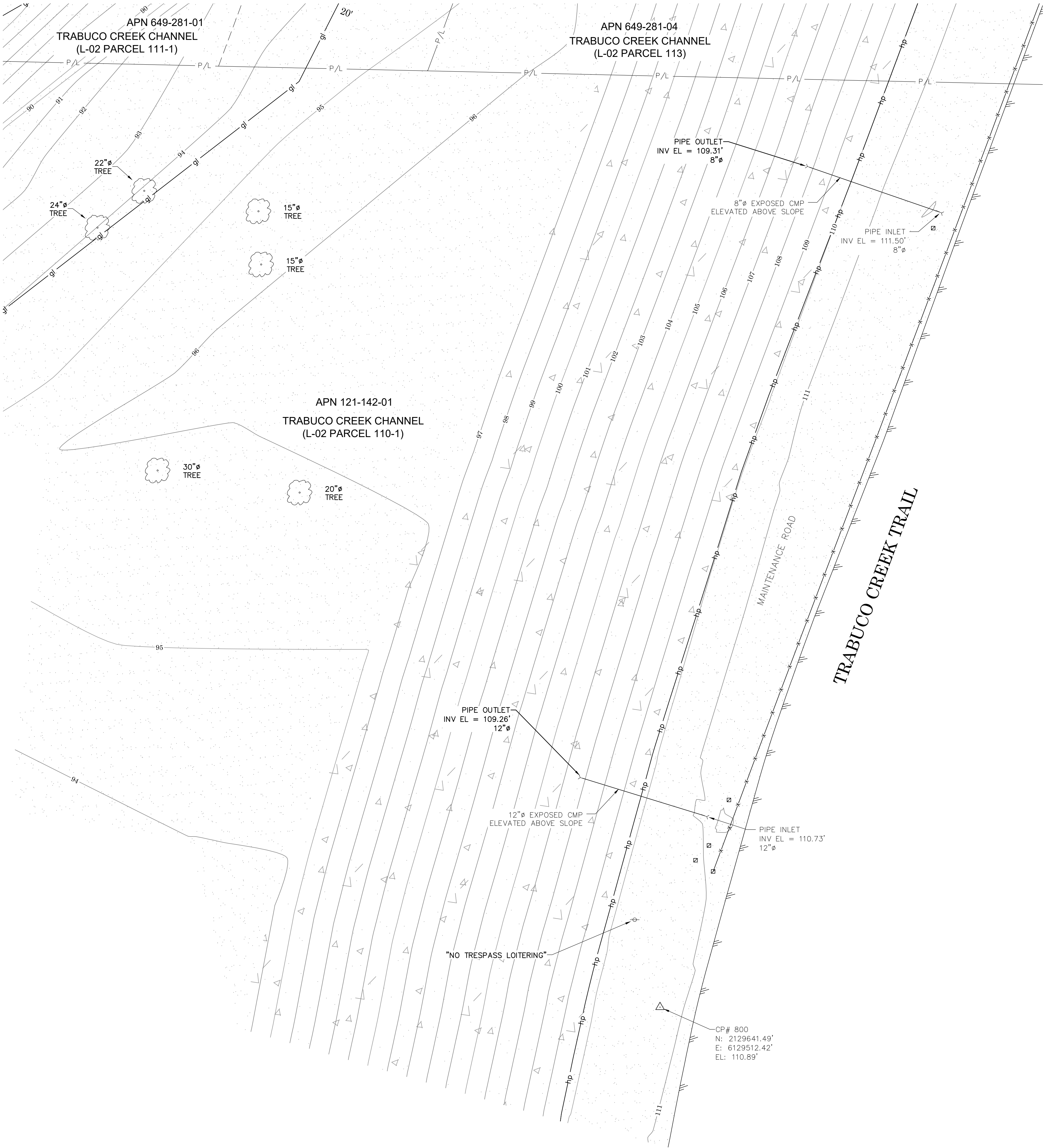
NOTES

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SEE SHEET 4

SEE SHEET 5



NOTES

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LEGEND

SYMBOL

- △ Set Control Point
- Gate
- Guy Wire Anchor
- Pipe Inlet/Outlet
- Post
- Sign Post
- Tree
- Tree, Palm
- Utility Pole, Underground

LINE PATTERN KEY

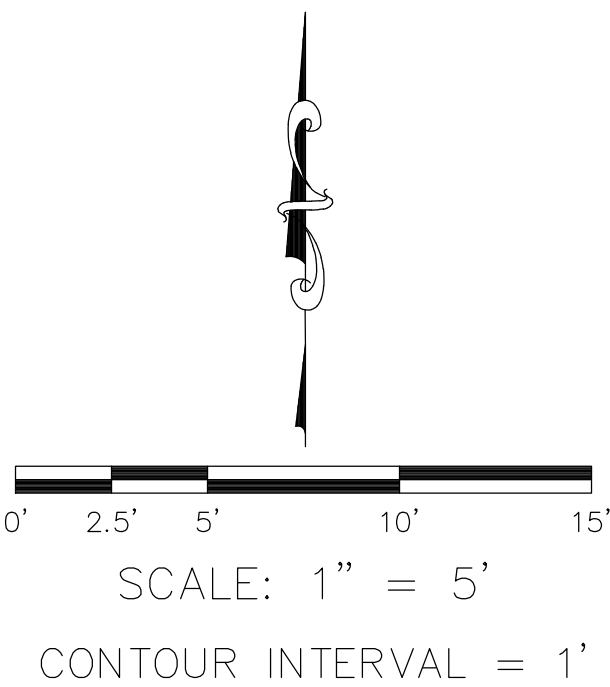
- Edge of Concrete
- Edge of Asphalt Pavement
- PEX — Exposed Pipe
- x — x — Fence Chainlink
- gl — Grade Line
- hp — Hinge Point
- P/L — Property Line
- R/W — Right of Way

AREA PATTERN KEY

- Concrete
- Dirt
- Grass
- Gravel / Rip Rap

ABBREVIATION

- CONC Concrete
- CMP Corrugated Metal Pipe
- CP Control Point
- INV Invert



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	
		TRABUCO CREEK CHANNEL (L02) CHANNEL MAINTENANCE	
		TOPOGRAPHIC MAP	
		PROJECT LIMITS: FROM CASTA CAPISTRANO STORM DRAIN (L02P02) CULVERT OUTLET ON AVENIDA DE LA VISTA TO CONFLUENCE WITH TRABUCO CREEK	
		DATE OF SURVEY: 04/30/2020	BY: R. MACIAS, PLS & PARTY
		MAPPING	BY: A. VU
		OFFICE CHECK	BY: J. MORENO, PLS
		FIELD CHECK	BY: R. MACIAS, PLS
		SCALE: 1" = 5'	W.O. #EF21293
		FILE: DEL OBISBO CHANNEL L02P02_TOPO_2020.DWG	
MARK	DATE	ITEM	
REVISIONS			

LEGEND

SYMBOL

- Set Control Point
- Gate
- Guy Wire Anchor
- Pipe Inlet/Outlet
- Post
- Sign Post
- Tree
- Tree, Palm
- Utility Pole, Underground

AREA PATTERN KEY

- Concrete
- Dirt
- Grass
- Gravel / Rip Rap

LINE PATTERN KEY

- Edge of Concrete
- Edge of Asphalt Pavement
- Exposed Pipe
- Fence Chainlink
- Grade Line
- Hinge Point
- Property Line
- Right of Way

ABBREVIATION

- CONC Concrete
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NOTES

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APN 649-281-01

SEE SHEET 5

APN 649-111-06

TRABUCO CREEK CHANNEL
(L-02 PARCEL 111-1)
20' WIDE EASEMENT

APN 649-281-04

TRABUCO CREEK CHANNEL
(L-02 PARCEL 110-1)

APN 121-142-01

TRABUCO CREEK

SEE SHEET 3

U.S. Survey Foot

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

Scale bar: 0' 2.5' 5' 10' 15'

SCALE: 1" = 5'

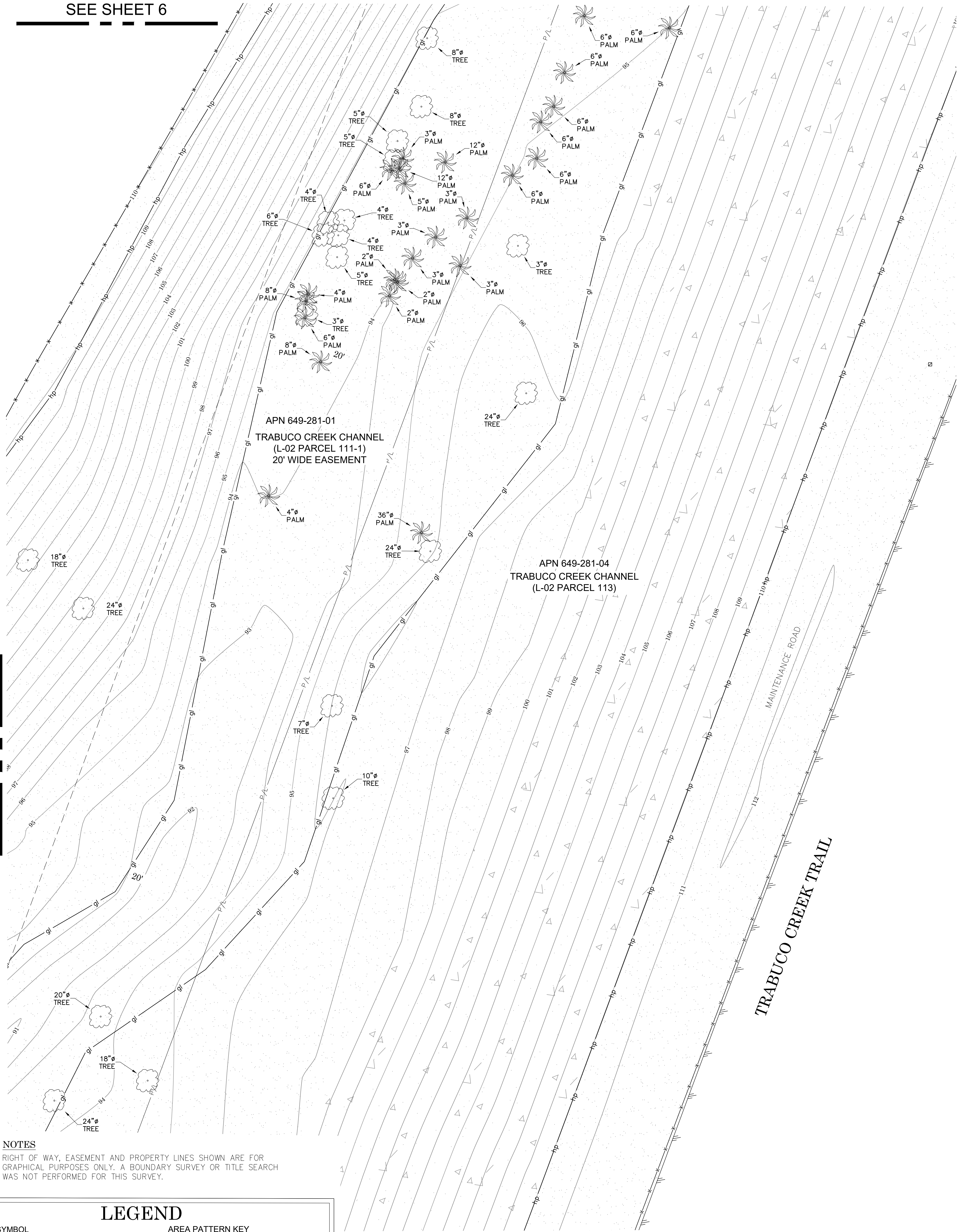
CONTOUR INTERVAL = 1'

			COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			TRABUCO CREEK CHANNEL (L02) CHANNEL MAINTENANCE				
			TOPOGRAPHIC MAP				
			PROJECT LIMITS: FROM CASTA CAPISTRANO STORM DRAIN (L02P02) CULVERT OUTLET ON AVENIDA DE LA VISTA TO CONFLUENCE WITH TRABUCO CREEK				
			DATE OF SURVEY: 04/30/2020		BY: R. MACIAS, PLS & PARTY		SHEET NO. 4 of 7
			MAPPING		BY: A. VU		
			OFFICE CHECK		BY: J. MORENO, PLS		
			FIELD CHECK		BY: R. MACIAS, PLS		
MARK	DATE	ITEM	SCALE: 1" = 5'		W.O. #EF21293		FILE #1920PW-IN0023
REVISIONS					FILE: DEL OBISBO CHANNEL L02P02_TOPO_2020.DWG		

SEE SHEET 6

SEE SHEET 4

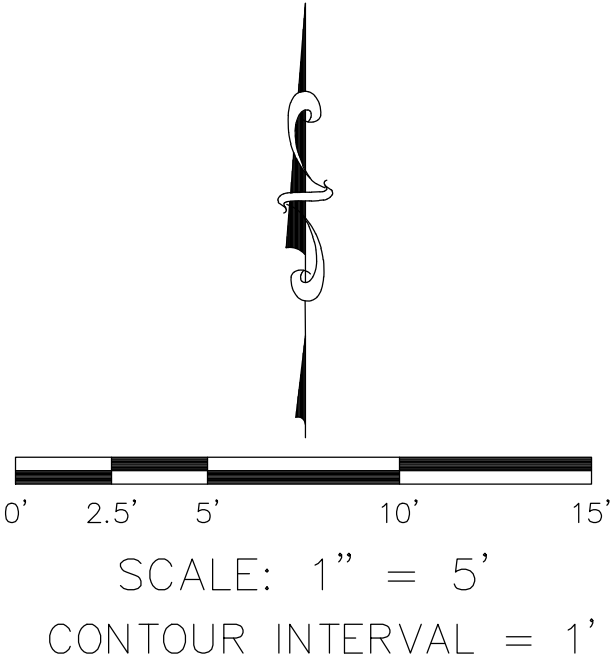
SEE SHEET 3



NOTES
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LEGEND

SYMBOL	AREA PATTERN KEY
LINE PATTERN KEY	ABBREVIATION
	CONC Concrete
	CMP Corrugated Metal Pipe
	CP Control Point
	INV Invert

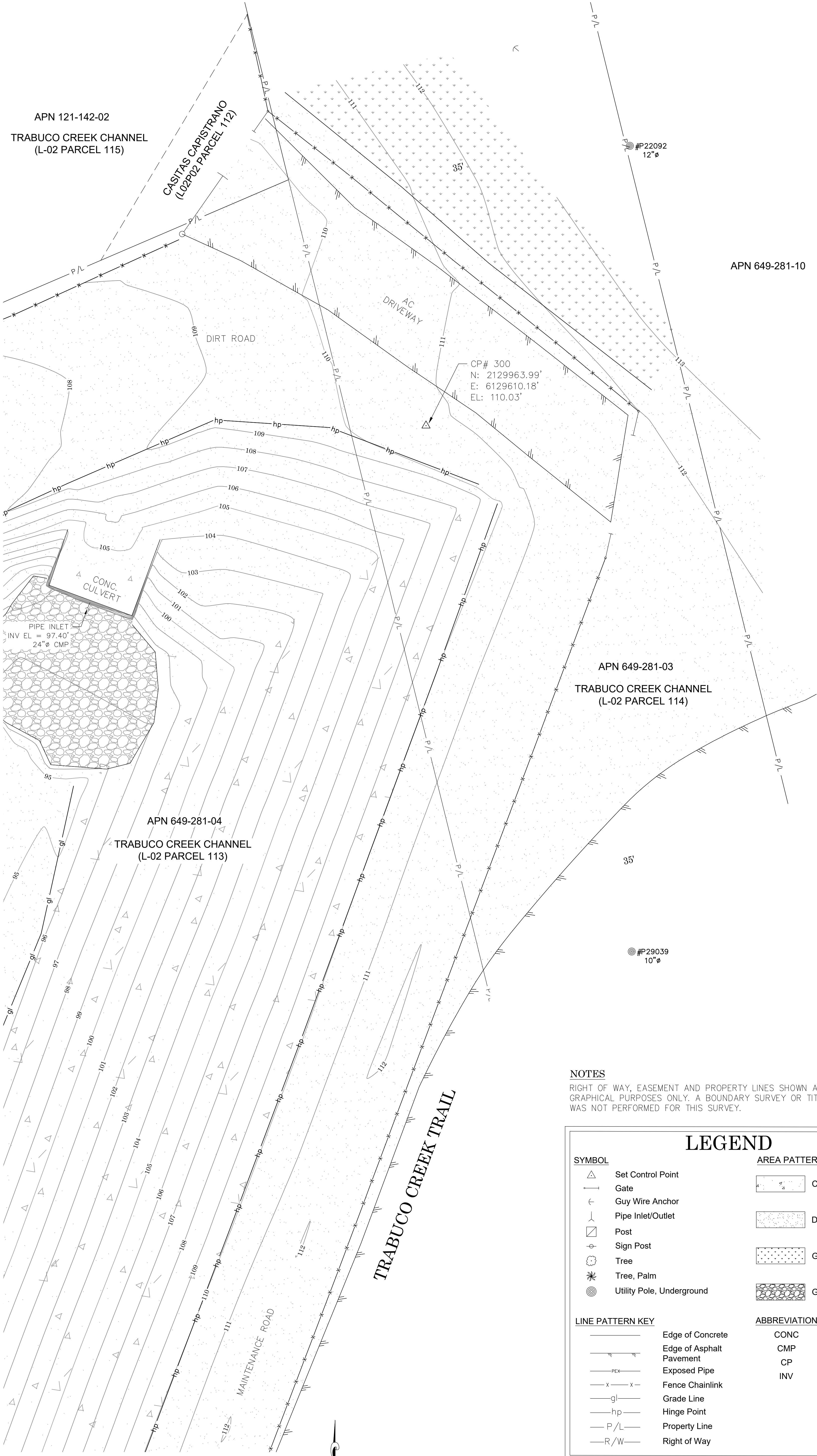


U.S. *Survey* *Foot*

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		
TRABUCO CREEK CHANNEL (L02) CHANNEL MAINTENANCE		
TOPOGRAPHIC MAP		
PROJECT LIMITS: FROM CASTA CAPISTRANO STORM DRAIN (L02P02) CULVERT OUTLET ON AVENIDA DE LA VISTA TO CONFLUENCE WITH TRABUCO CREEK		
DATE OF SURVEY: 04/30/2020	BY: R.MACIAS, PLS & PARTY	SHEET NO. 5 of 7
MAPPING	BY: A.VU	
OFFICE CHECK	BY: J.MORENO, PLS	
FIELD CHECK	BY: R.MACIAS, PLS	
SCALE: 1" = 5'	W.O. #EF21293	FILE #1920PW-IN0023
FILE: DEL OBISBO CHANNEL L02P02_TOPO_2020.DWG		
MARK	DATE	ITEM
REVISIONS		

			COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING TRABUCO CREEK CHANNEL (L02) CHANNEL MAINTENANCE TOPOGRAPHIC MAP PROJECT LIMITS: FROM CASITA CAPISTRANO STORM DRAIN (L02P02) CULVERT OUTLET ON AVENIDA DE LA VISTA TO CONFLUENCE WITH TRABUCO CREEK <table border="1"> <tr> <td>DATE OF SURVEY: 04/30/2020</td> <td>BY: R. MACIAS, PLS & PARTY</td> <td rowspan="4"> SHEET NO. 6 of 7 </td> </tr> <tr> <td>MAPPING</td> <td>BY: A. VU</td> </tr> <tr> <td>OFFICE CHECK</td> <td>BY: J. MORENO, PLS</td> </tr> <tr> <td>FIELD CHECK</td> <td>BY: R. MACIAS, PLS</td> </tr> <tr> <td colspan="2"> SCALE: 1" = 5' W.O. # EF21293 FILE # 1920PW-IN0023 FILE: DEL_OBISBO_CHANNEL_L02P02_TOPO_2020.DWG </td> <td></td> </tr> </table>				DATE OF SURVEY: 04/30/2020	BY: R. MACIAS, PLS & PARTY	SHEET NO. 6 of 7	MAPPING	BY: A. VU	OFFICE CHECK	BY: J. MORENO, PLS	FIELD CHECK	BY: R. MACIAS, PLS	SCALE: 1" = 5' W.O. # EF21293 FILE # 1920PW-IN0023 FILE: DEL_OBISBO_CHANNEL_L02P02_TOPO_2020.DWG		
DATE OF SURVEY: 04/30/2020	BY: R. MACIAS, PLS & PARTY	SHEET NO. 6 of 7																
MAPPING	BY: A. VU																	
OFFICE CHECK	BY: J. MORENO, PLS																	
FIELD CHECK	BY: R. MACIAS, PLS																	
SCALE: 1" = 5' W.O. # EF21293 FILE # 1920PW-IN0023 FILE: DEL_OBISBO_CHANNEL_L02P02_TOPO_2020.DWG																		
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SYMBOL

- △ Set Control Point
- Gate
- Guy Wire Anchor
- Pipe Inlet/Outlet
- Post
- ⊙ Sign Post
- Tree
- ✱ Tree, Palm
- ⊙ Utility Pole, Underground

AREA PATTERN KEY

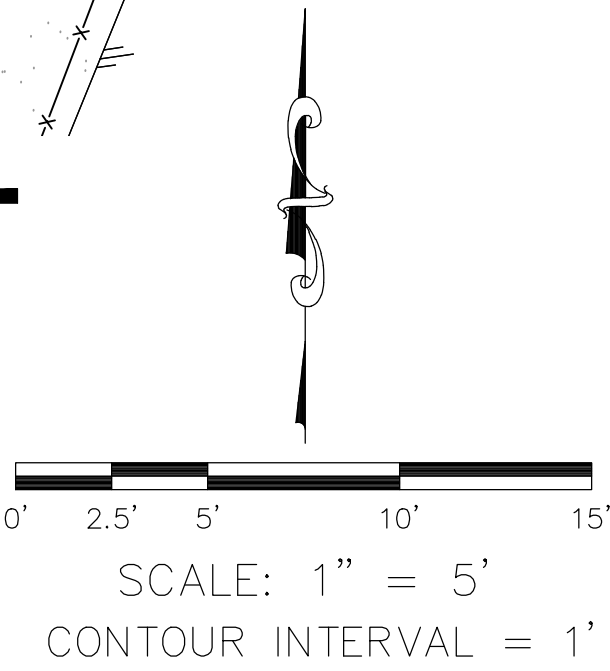
- Concrete
- Dirt
- Grass
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LINE PATTERN KEY

- Edge of Concrete
- Edge of Asphalt Pavement
- Exposed Pipe
- Fence Chainlink
- Grade Line
- Hinge Point
- Property Line
- Right of Way

ABBREVIATION

- CONC Concrete
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U.S. Survey
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MARK	DATE	ITEM	DATE OF SURVEY: 04/30/2020		BY: R. MACIAS, PLS & PARTY	SHEET NO. 7 of 7
			MAPPING		BY: A. VU	
			OFFICE CHECK		BY: J. MORENO, PLS	
			FIELD CHECK		BY: R. MACIAS, PLS	
			SCALE: 1" = 5'		W.O. #EF21293	
			FILE: DEL OBS80 CHANNEL L02P02_TOPO_2020.DWG		FILE #1920PW-IN0023	
REVISIONS						