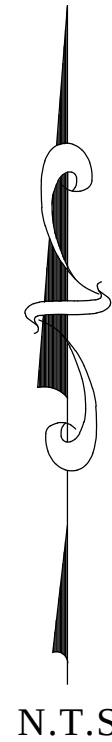
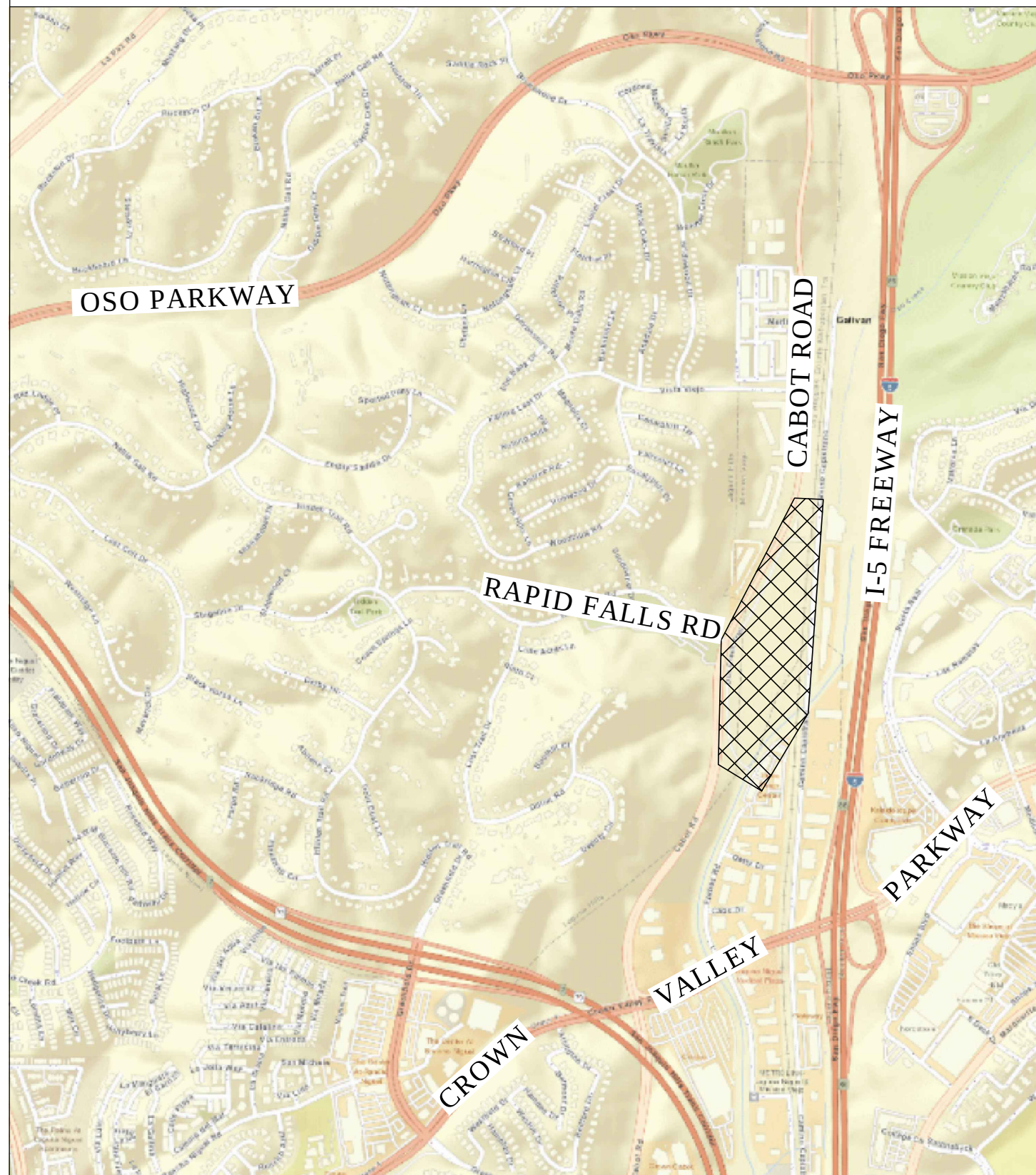




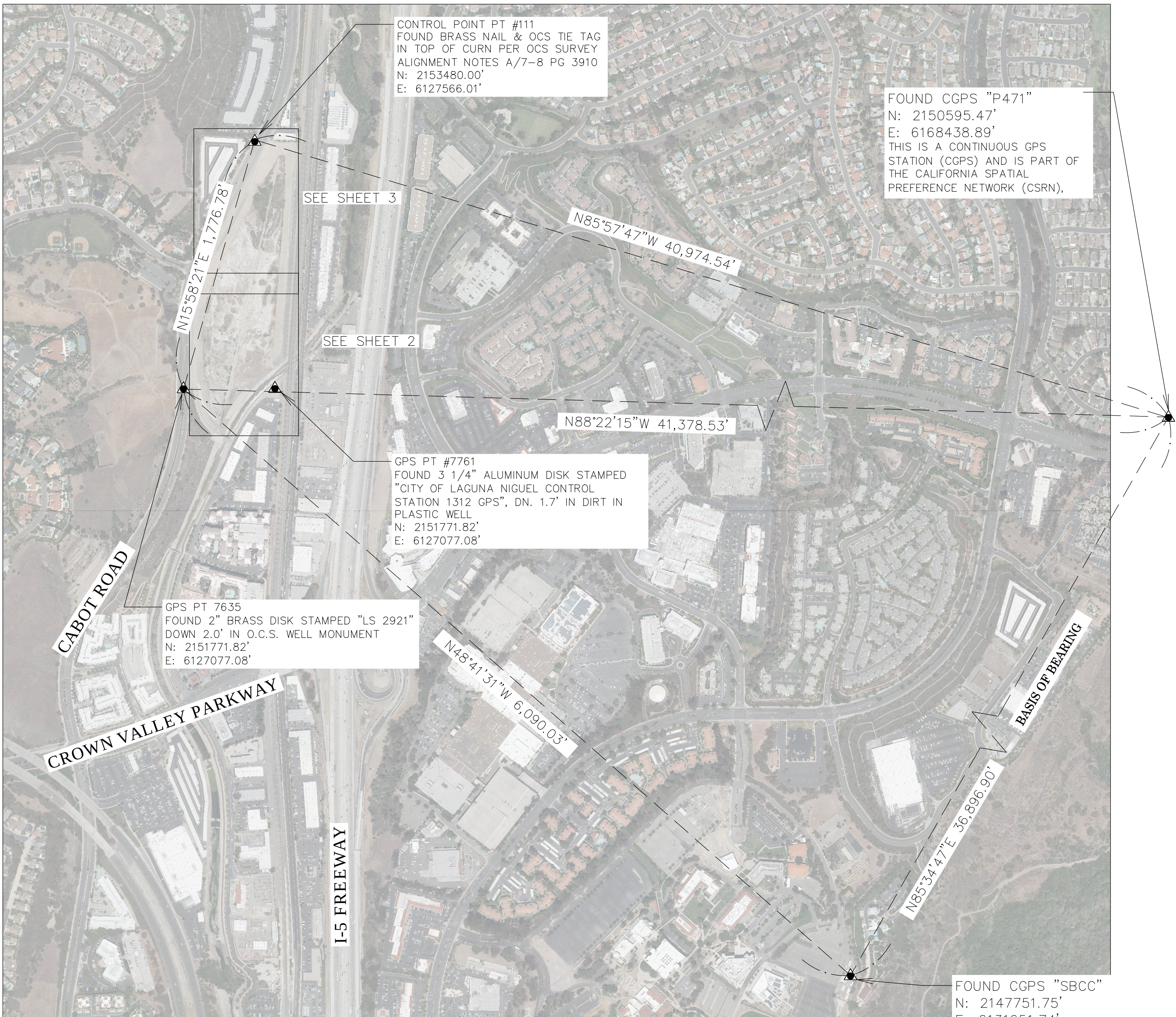
OC PUBLIC WORKS DEPARTMENT
JAMES TREADAWAY, DIRECTOR OF PUBLIC WORKS
KEVIN HILLS, COUNTY SURVEYOR
GALIVAN BASIN RESTORATION



LOCATION MAP



TOPOGRAPHIC SURVEY



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 1.00004611.
THIS COMBINATION FACTOR WAS HELD AT: CP# 7635
N: 2151771.82' E: 6127077.08' EL: 285.98
ALL DISTANCES ARE BASED ON THE U.S. SURVEY FOOT.

VERTICAL DATUM

O.C.S. BM. 3U-41-70 ELEV. = 264.878' YEAR LEVELED: 1991
NAVD 1988 (O.C.S. 1995 ADJUSTMENT)
DESCRIPTION: FOUND 3 3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "3U-41-70", SET IN THE NORTHWESTERLY CORNER OF A CONCRETE BRIDGE ABUTMENT. MONUMENT IS LOCATED IN THE NORTHWESTERLY CORNER OF THE INTERSECTION OF FORBES ROAD AND CROWN VALLEY PARKWAY, 150 FT. WESTERLY OF THE CENTERLINE OF FORBES, 22.6 FT. NORTHERLY OF THE CENTERLINE OF CROWN VALLEY PARKWAY AND IN THE NORTHERLY END OF THE WESTERLY ABUTMENT. MONUMENT IS SET LEVEL WITH THE BRIDGE DECK.

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
SHEET 2-3	2-3	TOPOGRAPHIC MAP
SHEET 4-5	4-5	TOPOGRAPHIC MAP WITH AERIAL

PURPOSE OF SURVEY

THE PURPOSE OF THIS SURVEY IS TO CREATE A TOPOGRAPHIC MAP OF THE AREA WITHIN THE GALIVAN RETARDING BASIN IN ORDER TO DETERMINE CONTOURS WITHIN THE BASIN FLOOR.

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 SURVEYORS' ACT: THIS 8 DAY OF NOVEMBER, 2023.

Jesom Moreno
JESOM MORENO, PLS.

SENIOR LAND SURVEYOR



SENIOR LAND SURVEYOR'S CERTIFICATE:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYORS' ACT; THIS 8 DAY OF NOVEMBER, 2023.

Elliott Medina
ELLIOTT MEDINA, PLS.

SENIOR LAND SURVEYOR



U.S. Survey
Foot

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

TOPOGRAPHIC MAPPING PROJECT

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING						
			GALIVAN BASIN RESTORATION TOPOGRAPHIC SURVEY						
			TITLE SHEET						
			PROJECT LIMITS: AREA WITHIN THE GALIVAN RETARDING BASIN						
			DATE OF SURVEY: 10/25/2023		BY: E. HERTZ		SHEET NO. 1 of 5		
			MAPPING		BY: P. MAGUIRE				
			OFFICE CHECK		BY: E. MEDINA, PLS				
			FIELD CHECK		BY: E. HERTZ				
			MARK	DATE	ITEM	SCALE: N.T.S.		W.O. # EF3807	FILE # 2324PW-ER0004
			REVISIONS			FILE: GALIVAN BASIN TOPO 2023.DWG			

SEE SHEET 3

GALIVAN RETARDING
BASIN (L03B02)

CABOT ROAD

A.T.&S.F. RAILWAY R/W

CAMINO CAPISTRANO

OSO CREEK CHANNEL

LEGEND

SYMBOL

- Bush
 Control Point
 Sign "Ecological Habitat" Unless Otherwise Noted
 1 Inch Plastic Post, Unless Otherwise Noted

ABBREVIATION

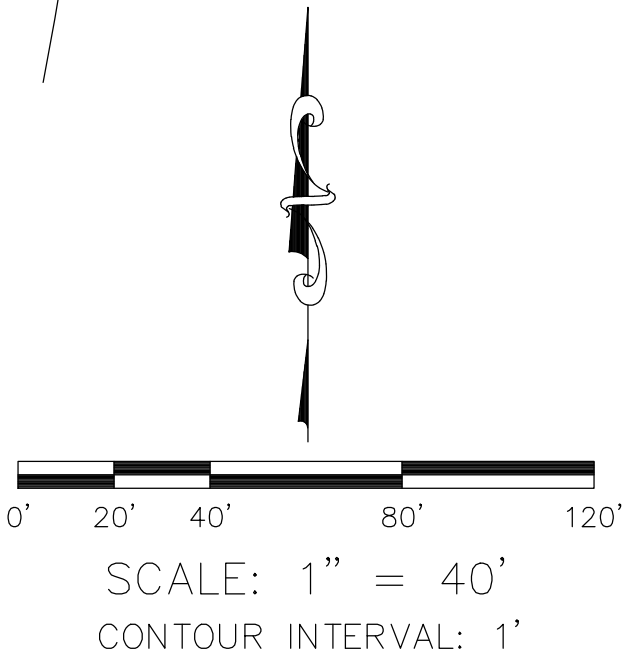
- AC Asphalt Concrete
CP Control Point
EL Elevation
FL Flowline
FD Found
INV Invert
RCP Reinforced Concrete Pipe

LINE PATTERN KEY

- Edge of Concrete
 Edge of Asphalt Pavement
 Post and Rope
 Flowline
 Grade Line
 Property Line
 Right of Way

AREA PATTERN KEY

- Concrete
 RIP RAP
 Dirt



U.S. Survey
Foot

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

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

GALIVAN BASIN RESTORATION
TOPOGRAPHIC SURVEY

TOPOGRAPHIC MAP

PROJECT LIMITS: AREA WITHIN THE GALIVAN RETARDING BASIN
DATE OF SURVEY: 10/25/2023
MAPPING
OFFICE CHECK
FIELD CHECK
SCALE: 1"=40'
FILE: GALIVAN BASIN TOPO 2023.DWG

BY: E. HERTZ & CREW
BY: P. MAQUIRE
BY: E. MEDINA, PLS
BY: E. HERTZ & CREW
W.O. #EF3807
FILE #2324PW-ER0004

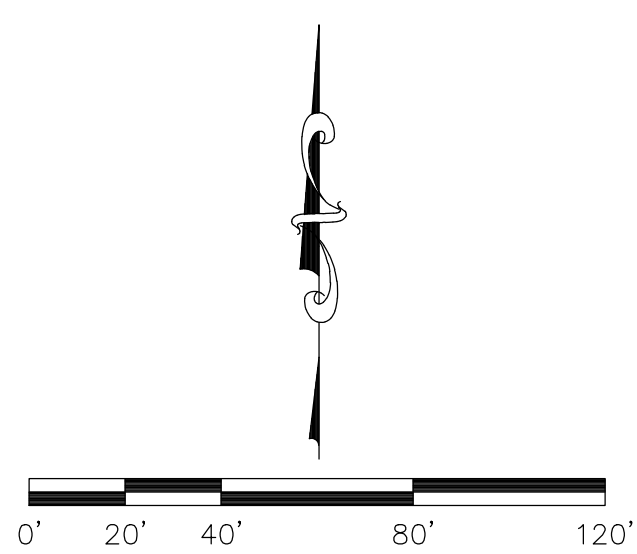
SHEET NO.
2
of
5

REVISIONS

SYMBOL		LINE PATTERN KEY	
	Bush		Edge of Concrete
	Control Point		Edge of Asphalt Pavement
	Sign "Ecological Habitat" Unless Otherwise Noted		Post and Rope
	1 Inch Plastic Post, Unless Otherwise Noted		Flowline
			Grade Line
			Property Line
			Right of Way
ABBREVIATION			

AC	Asphalt Concrete
CP	Control Point
EL	Elevation
FL	Flowline
FD	Found
INV	Invert
RCP	Reinforced Concrete Pipe

	Edge of Concrete
	Edge of Asphalt Pavement
	Post and Rope
	Flowline
	Grade Line
	Property Line
	Right of Way



SCALE: 1" = 40'
CONTOUR INTERVAL: 1'

CABOT ROAD

GALIVAN RETARDING
BASIN (L03B02)

SEE SHEET 2

U.S. *Survey*
Foot

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

MARK DATE ITEM REVISIONS	COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			SHEET NO. 3 of 5
	GALIVAN BASIN RESTORATION TOPOGRAPHIC SURVEY			
	TOPOGRAPHIC MAP			
	PROJECT LIMITS: AREA WITHIN THE GALIVAN RETARDING BASIN			
	DATE OF SURVEY: 10/25/2023		BY: E. HERTZ & CREW	
	MAPPING		BY: P. MAGUIRE	
	OFFICE CHECK		BY: E. MEDINA, PLS	
	FIELD CHECK		BY: E. HERTZ & CREW	
	SCALE: 1"=40'	W.O. #F3807	FILE #2324P-WR0004	
	FILE F-GALIVAN BASIN, TOWN 2023.DWG			

CABOT ROAD

U.S. *Survey*
Foot

0' 20' 40' 80' 120'

LEGEND

<u>SYMBOL</u>		<u>LINE PATTERN KEY</u>	
	Bush		Edge of Concrete
	Control Point		Edge of Asphalt Pavement
	Sign "Ecological Habitat" Unless Otherwise Noted		Post and Rope
	1 Inch Plastic Post, Unless Otherwise Noted		Flowline
			Grade Line
			Property Line
			Right of Way
<u>ABBREVIATION</u>		<u>AREA PATTERN KEY</u>	
AC	Asphalt Concrete		Concrete
CP	Control Point		
EL	Elevation		
FL	Flowline		RIP RAP
FD	Found		
INV	Invert		
RCP	Reinforced Concrete Pipe		Dirt

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			GALIVAN BASIN RESTORATION TOPOGRAPHIC SURVEY			
			TOPOGRAPHIC MAP			
			PROJECT LIMITS: AREA WITHIN THE GALIVAN RETARDING BASIN			
			DATE OF SURVEY:10/25/2023		BY:E. HERTZ & CREW	
MAPPING		BY:P. MAGUIRE				
OFFICE CHECK		BY:E. MEDINA, PLS				
FIELD CHECK		BY:E. HERTZ & CREW				
MARK	DATE	ITEM		SCALE: 1"= 40' W.O. #EF3807 FILE # 2324PW-ER0004		
REVISIONS				SCALE: GALIVAN BASIN TOPO 2023.DWG		

