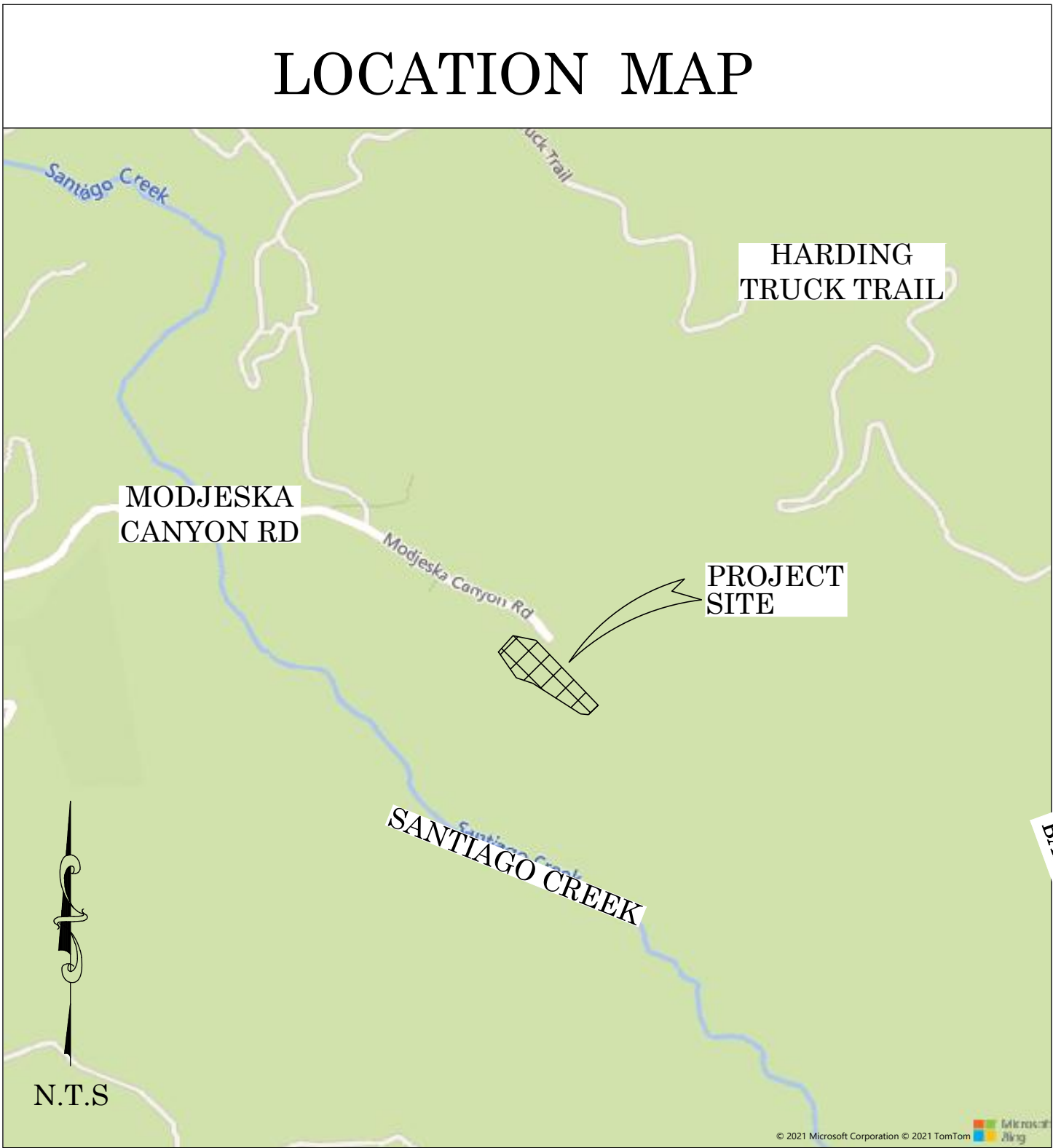




OC PUBLIC WORKS DEPARTMENT
JAMES TREADAWAY, DIRECTOR OF PUBLIC WORKS
KEVIN HILLS, COUNTY SURVEYOR
MODJESKA BOXCAR BRIDGE



BRIDGE RE-CONSTRUCTION



BASIS OF BEARINGS

THE BEARINGS SHOWN HEREON ARE BASED ON THE BEARING BETWEEN O.C.S. HORIZONTAL CONTROL STATION GPS NO. 1344 AND STATION GPS NO. 6663 BEING NORTH 19°59'10\"/>

HORIZONTAL DATUM

COORDINATES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2007.00) EPOCH ADJUSTMENT.
ALL DISTANCES SHOWN ARE GRID, UNLESS OTHERWISE NOTED. TO OBTAIN GROUND DISTANCES MULTIPLY GRID BY A COMBINED FACTOR OF 1.00008649.
THIS COMBINATION FACTOR WAS HELD AT: CP# 405
N: 2204280.33' E: 6146299.179' EL: 1403.44'
ALL DISTANCES ARE BASED ON THE U.S. SURVEY FOOT.

VERTICAL DATUM

O.C.S. BM. 3UU-2-89 ELEV. = 1337.157' YEAR LEVELED: 1989
NAVD 1988 (O.C.S. 2004 ADJUSTMENT)
DESCRIPTION: FOUND 3-3/4\"/>

NOTES

THE SURVEY INFORMATION SHOWN HEREON IS TO BE USED FOR TOPOGRAPHIC RELATIONSHIPS ONLY AND IS NOT INTENDED FOR LAND ACQUISITION OR BOUNDARY PURPOSES.
HORIZONTAL & VERTICAL CONTROL FOR THIS PROJECT WAS DERIVED FROM THE EXISTING SITE PLAN NO. 2042482600.202 PREPARED BY STANTEC, CONSULTING SERVICES INC. DATED 06-06-2021.

SHEET INDEX

SHEET NO.	DESCRIPTION
SHEET 1	TITLE SHEET
SHEETS 2	AS-BUILT

PURPOSE OF SURVEY

THE PURPOSE OF THIS SURVEY IS TO PROVIDE AN AS-BUILT OF THE POST-CONSTRUCTION CONDITIONS OF O.C. PARKS PROJECT NO. 1001202.

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 24 DAY OF NOVEMBER, 2021.



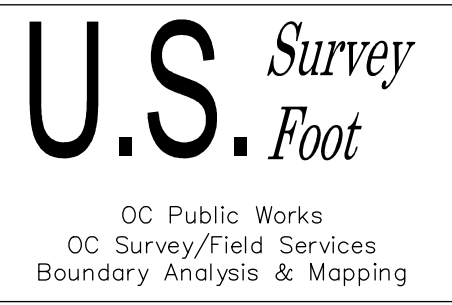
MICHAEL KUBISTY, PLS. SENIOR LAND SURVEYOR

DEPUTY COUNTY SURVEYOR'S STATEMENT:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS 24 DAY OF NOVEMBER, 2021.



WADE WEAVER, PLS. DEPUTY COUNTY SURVEYOR



AS-BUILT SURVEY

		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
		MODJESKA BOXCAR BRIDGE BRIDGE RE-CONSTRUCTION				
		TITLE SHEET				
		PROJECT LIMITS: FROM THE S'LY CORNER OF APN 105-262-55 AND THE S'LY LOT LINE OF APN 105-270-05, TO THE N'LY LOT LINE OF APN 105-270-06				
		DATE OF SURVEY: 10/19/2021		BY: T. LOFGREEN		
		MAPPING		BY: J. PEDRETTI		
		OFFICE CHECK		BY: M. LAFONTAINE, PLS		
		FIELD CHECK		BY: T. LOFGREEN		
		SCALE: N.T.S.		W.O. #EC41853C	FILE #2122PW-CM0001	
		FILE: MODJESKA BOX CAR BRIDGE_TOPO_2021.DWG				
MARK	DATE	ITEM		SHEET NO.		
REVISIONS				1 of 2		

APN 105-262-55
29442 MODJESKA
CANYON RD

ALIGNMENT: CHANNEL CL
STATION: 0+44.40
NORTHING: 2204320.91
EASTING: 6146045.14

CP# 402 (STANTEC CONTROL)
FOUND LOOSE HUB WITH TACK
N: 2204255.51'
E: 6146199.08'
EL: 1400.18'

APN 105-262-55
29442 MODJESKA
CANYON RD

ALIGNMENT: ACCESS ROAD ALIGNMENT
STATION: 4+00.00
NORTHING: 2204193.61
EASTING: 6146167.83

APN 105-270-06
29456 MODJESKA
CANYON RD

MODJESKA
CANYON RD

ALIGNMENT: ACCESS ROAD ALIGNMENT
STATION: 6+11.44
NORTHING: 2204385.59
EASTING: 6146252.66

APN 105-270-05

CURVE TABLE			
CURVE #	DELTA	RADIUS	LENGTH
C10	23°08'27"	200.00'	80.78'
C4	33°19'02"	100.00'	58.15'
C3	6°49'56"	75.00'	8.94'
C2	20°24'14"	275.00'	97.93'
C1	20°17'01"	290.00'	102.66'

LINE TABLE		
LINE #	BEARING	DISTANCE
L1	N70°50'25.14"W	56.30'
L2	N45°38'43.54"W	98.92'
L3	N41°38'11.68"W	45.74'
L10	N19°26'37.00"E	130.67'

APN 105-270-07

MODJESKA NATURE
RESERVE

LEGEND

SYMBOL

- Benchmark
- Control Point
- Rock/Boulder

ABBREVIATION

- BD Bridge Deck
- BM Benchmark
- BS Bridge Soffit
- CL Centerline
- CONC Concrete
- CP Control Point
- EL Elevation
- FS Finished Surface
- FL Flowline
- FD Found

LINE PATTERN KEY

- Alignment
- Edge of Concrete
- Flowline
- Hinge Point

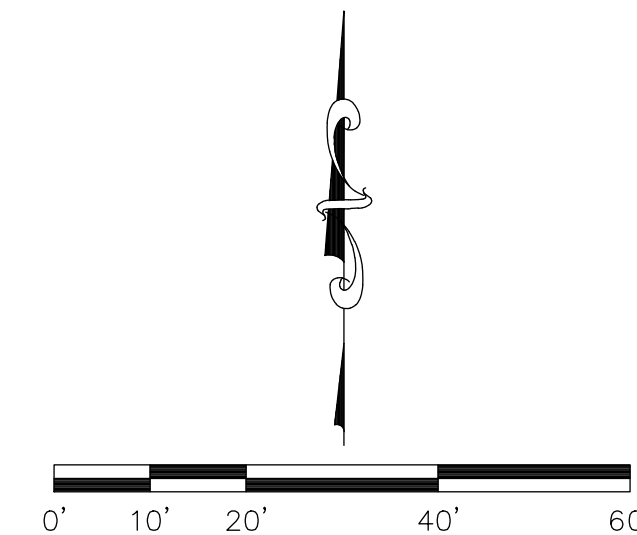
AREA PATTERN KEY

- Concrete
- Dirt
- Rip Rap

NOTES

BOUNDARY LINES SHOWN HEREON ARE FOR GRAPHICAL REPRESENTATION ONLY. NO BOUNDARY SURVEY WAS PERFORMED FOR THIS PROJECT.

THE ALIGNMENTS SHOWN HEREON WERE DERIVED FROM THE GRADING AND EMBANKMENT PROTECTION PLANS PREPARED BY STANTEC CONSULTING, INC. DATED 06-09-2021 PROJECT NO. 1001202.



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



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			MODJESKA BOXCAR BRIDGE BRIDGE RE-CONSTRUCTION		
			AS-BUILT		
			PROJECT LIMITS: FROM THE S'ELY CORNER OF APN 105-262-55 AND THE S'LY LOT		
			LINE OF APN 105-270-05, TO THE N'LY LOT LINE OF APN 105-270-06		
			DATE OF SURVEY: 10/19/2021	BY: T. LOFGREEN	SHEET NO. 2 of 2
			MAPPING	BY: J. PEDRETTI	
			OFFICE CHECK	BY: M. LAFONTAINE, PLS	
			FIELD CHECK	BY: T. LOFGREEN	
			SCALE: 1" = 20'	W.O. #EC41853C	FILE #2122PW-CM0001
			FILE: MODJESKA BOX CAR BRIDGE_TOPO_2021.DWG		
MARK	DATE	ITEM	REVISIONS		