



OC PUBLIC WORKS DEPARTMENT

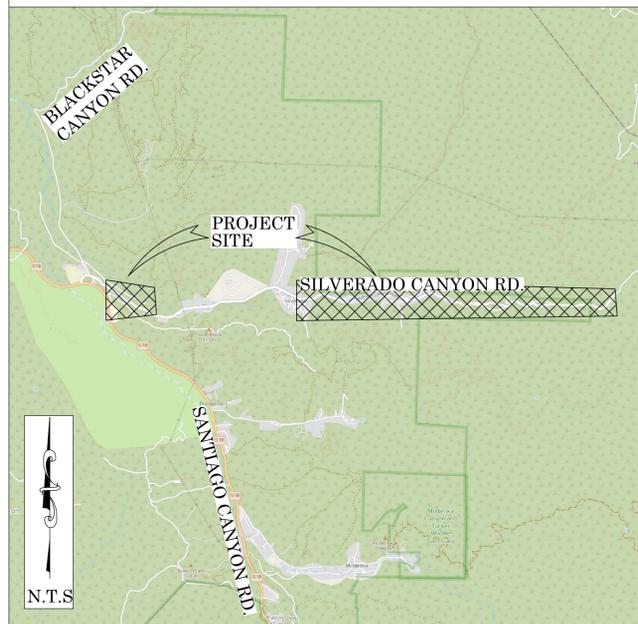
KEVIN ONUMA, DIRECTOR OF PUBLIC WORKS



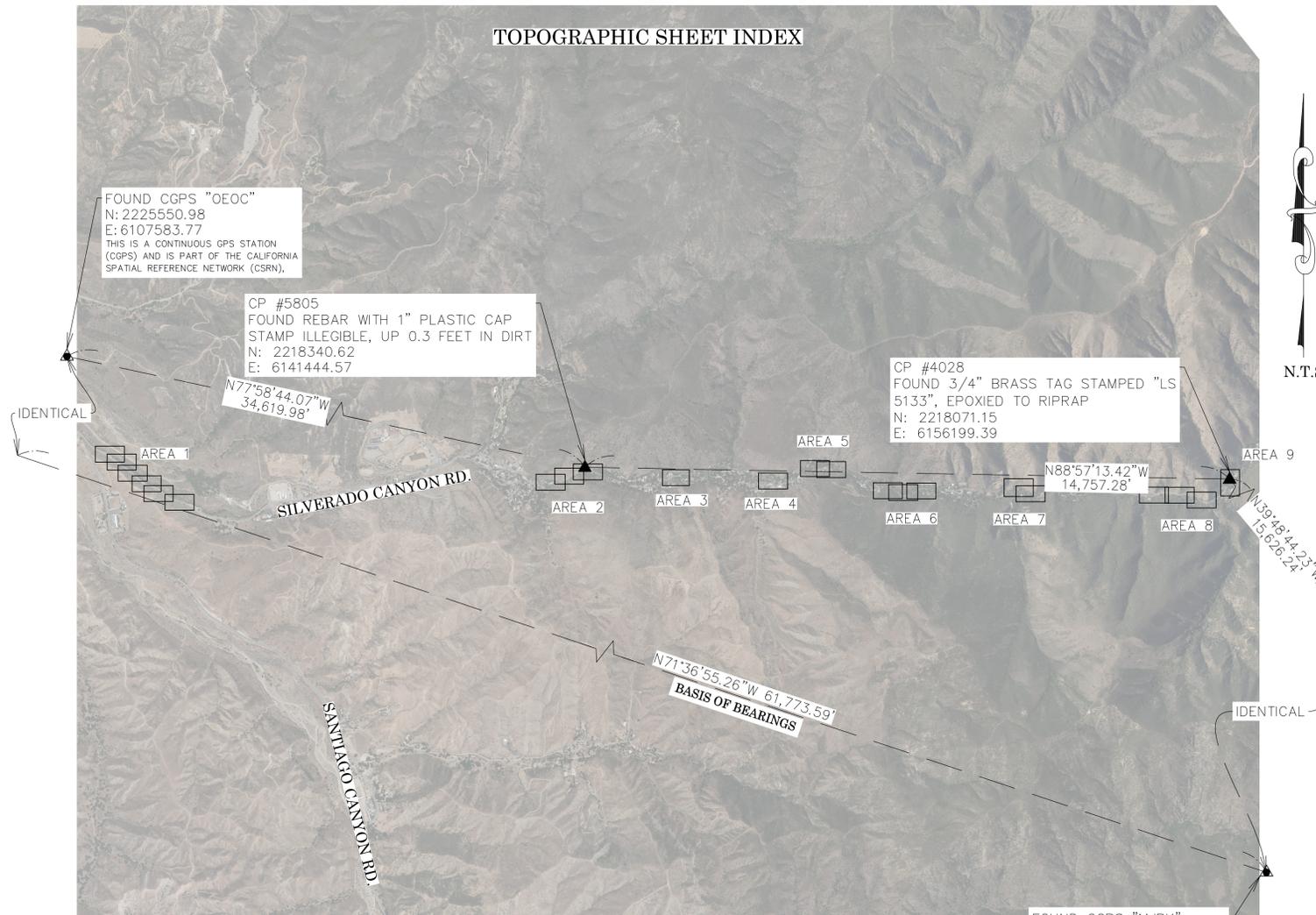
SILVERADO CANYON RD

GUARDRAIL PROJECT

LOCATION MAP



TOPOGRAPHIC SHEET INDEX



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 (MJK) AND (OEOC) BEING NORTH 71°36'55.26" 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 1.00008086.
 THIS COMBINATION FACTOR WAS HELD AT: CP# 576
 N: 2218188.93 E: 6143604.46 EL: 1308.63
 ALL DISTANCES ARE BASED ON THE U.S. SURVEY FOOT.

VERTICAL DATUM

O.C.S. BM. 3V-3-80 ELEV. = 1,120.39' YEAR LEVELED: 1988
 NAVD 1988 (O.C.S. 1995 ADJUSTMENT)
 DESCRIPTION: DESCRIBED BY OCS 2003 - FOUND 3 3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "3V-3-80", SET IN THE SOUTHERLY END OF THE EASTERLY BRIDGE ABUTMENT FOR BRIDGE #SV-7. MONUMENT IS LOCATED ALONG THE SOUTHERLY SIDE OF SILVERADO CANYON ROAD, 1.4 MILES EASTERLY ALONG SILVERADO FROM THE CENTERLINE OF BLACK STAR CANYON ROAD AND 15.5 FT. SOUTHERLY OF THE CENTERLINE OF SILVERADO CANYON ROAD. 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.
 THE SURVEY PERFORMED USED A COMBINATION OF CONVENTIONAL SURVEY METHODS AND UAV LIDAR DATA COLLECTION.

SHEET INDEX

SHEET NO.	DESCRIPTION
SHEET 1	TITLE SHEET
SHEETS 2-30	BOUNDARY SHEETS
SHEETS 31-51	TOPOGRAPHIC MAP
31-35	AREA 1
36-38	AREA 2
39	AREA 3
40	AREA 4
41-42	AREA 5
43-45	AREA 6
46-47	AREA 7
48-50	AREA 8
51	AREA 9
52	AREA 1 EXTENSION

PURPOSE OF SURVEY

THE PURPOSE OF THE SURVEY IS TO PROVIDE A TOPOGRAPHIC MAP AND RIGHT OF WAY ESTABLISHMENT FOR THIS PORTION OF ROADWAY FOR POTENTIAL GUARDRAIL IMPROVEMENTS.

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 28 DAY OF AUGUST, 2025.

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 3 DAY OF SEPTEMBER, 2025.

Michael Kubisty

MICHAEL KUBISTY, PLS. SENIOR LAND SURVEYOR



TOPOGRAPHIC MAPPING PROJECT

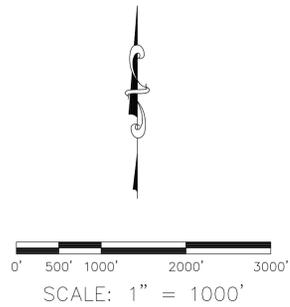
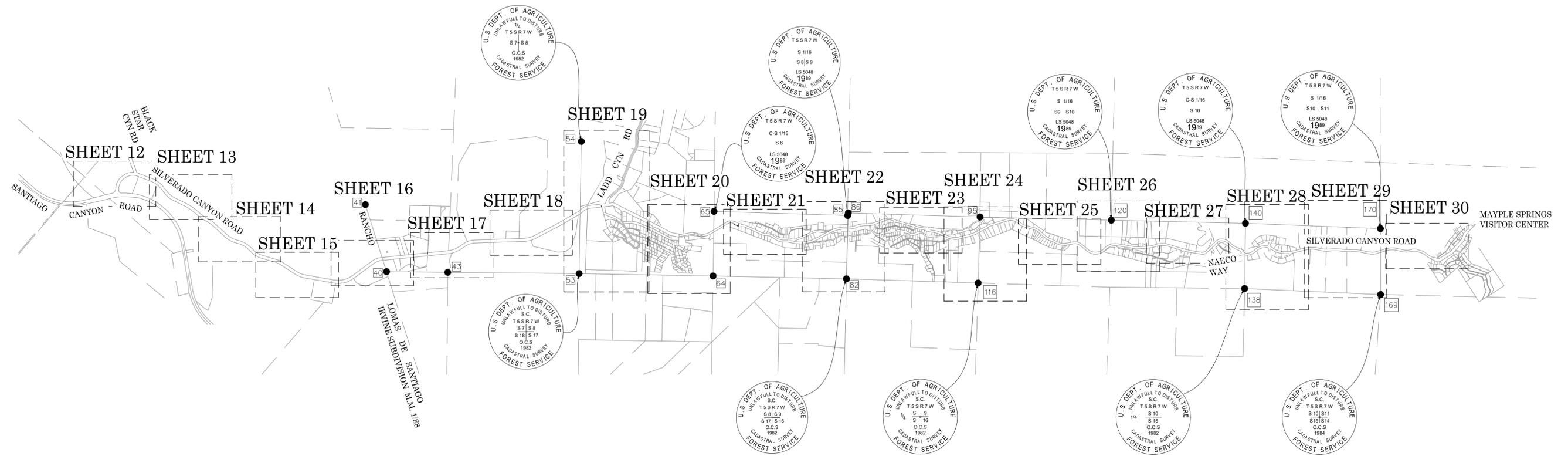
COUNTY OF ORANGE OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		SILVERADO CANYON RD GUARDRAIL PROJECT	
		TITLE SHEET	
AUG 2025	EXTENDED AREA 1, SEE SHEET 52. ADDED ADDITIONAL INFORMATION TO PIPES IN AREA 1.	PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.	DATE OF SURVEY: MAY 2023
		BY: J. JOHNS & PARTY	SHEET NO.
MARK	DATE	ITEM	BY: J. PEDRETTI
REVISIONS		OFFICE CHECK	BY: J. MORENO, PLS.
SCALE: N.T.S.		FIELD CHECK	BY: J. MORENO
W.O. #E0212025		FILE #2223PW-CM0013	1 of 52
FILE: GDRAIL_TOPO_2025-1.DWG			

NOTES

ALL BOUNDARY LINES NOT SHOWN IN BOLD ARE FOR GRAPHICAL REPRESENTATION ONLY.

RECORD DISTANCES SHOWN HEREON ARE AS THEY APPEAR ON THE DOCUMENT OF RECORD. DISTANCES MAY BE EITHER GRID OR GROUND, AS PER SAID RECORD.

MONUMENT SYMBOLS CONTAIN LIVE HYPERLINKS TO IMAGES, IF THEY EXIST, OF RESPECTIVE MONUMENT.



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		SHEET NO.	
SILVERADO CANYON RD GUARDRAIL PROJECT		2	
BOUNDARY MAP INDEX AND NOTES			
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.			
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO.	
MAPPING	BY: S. ROBATI	2 of 52	
OFFICE CHECK	BY: J. MORENO, PLS		
FIELD CHECK	BY: J. MORENO		
SCALE: N/A	W.O. #EQ212025	FILE #2223PW-CM013	
REVISIONS		FILE: SILVERADO_BOUNDARY_2023.DWG	

MONUMENT NOTES

- 1 FOUND PUNCHED SPIKE & TAG STAMPED "ORANGE COUNTY SURVEYOR" PER R138, AS SHOWN ON R273, DOWN 0.5 FEET IN A.C., ACCEPTED AS THE CENTERLINE INTERSECTION OF SILVERADO CANYON RD. AND SANTIAGO CANYON RD.
- 2 FOUND SPIKE & WASHER STAMPED "L.S. 9257" PER R273, DOWN 0.1 FEET IN A.C., ACCEPTED AS POINT ON CENTERLINE OF SILVERADO CANYON RD. N06°11'09"W 0.05 FEET FROM ESTABLISHED CENTERLINE B.C. OF SILVERADO CANYON RD.
- 3 FOUND 2" I.P. WITH ALUMINUM DISK STAMPED "ORANGE COUNTY SURVEYOR", ACCEPTED AS 2" I.P. AND TAG STAMPED "ORANGE COUNTY SURVEYOR" PER R138, AS SHOWN ON R275 , DOWN 1 FOOT IN DIRT, ACCEPTED AS CENTERLINE P.I. OF SILVERADO CANYON ROAD.
- 4 FOUND PUNCHED GEAR SPIKE & WASHER STAMPED "O.C.S.", ACCEPTED AS PUNCHED SPIKE AND TAG STAMPED "ORANGE COUNTY SURVEYOR" PER R138, DOWN 0.1 FEET IN A.C., ACCEPTED AS CENTERLINE E.C. OF SILVERADO CANYON ROAD.
- 5 FOUND 1/2" I.P. WITH TAG STAMPED "L.S.9257" PER R270, OPEN, DOWN 1 FOOT IN DIRT, ACCEPTED AS P.I. #1 OF R141
- 6 FOUND SPIKE & WASHER STAMPED "O.C.S. E.C. 1-6-85", NO REFERENCE, AS SHOWN ON R270, DOWN 0.2 FEET IN A.C., ACCEPTED AS CENTERLINE E.C. OF SILVERADO CANYON ROAD.
- 7 FOUND SPIKE & WASHER STAMPED "L.S.9257" ???? (PER R283), ACCEPTED AS CENTERLINE B.C. OF SILVERADO CANYON ROAD
- 8 FOUND 2" I.P. NO TAG PER R283, OPEN DOWN 1.3 FEET IN DIRT, ACCEPTED AS P.I. #2 OF PER R141
- 9 FOUND SPIKE & WASHER STAMPED "O.C.S. E.C. 2-6-85" PER R283, DOWN 0.3" IN A.C., ACCEPTED AS CENTERLINE E.C. OF SILVERADO CANYON ROAD
- 10 FOUND SPIKE & WASHER STAMPED "L.S. 9257" PER R288, FLUSH IN A.C., ACCEPTED AS POINT ON CENTERLINE OF SILVERADO CANYON ROAD, N38°07'24"W 0.07 FEET FROM THE CENTERLINE B.C. OF SILVERADO CANYON ROAD.
- 11 FOUND SPIKE & WASHER STAMPED "L.S. 9257" PER R282 , FLUSH IN A.C., ACCEPTED AS POINT ON CENTERLINE TANGENT OF SILVERADO CANYON ROAD, N64°02'01"W 0.07 FEET FROM THE CENTERLINE E.C. OF SILVERADO CANYON ROAD.
- 12 FOUND SPIKE & WASHER STAMPED "L.S. 9257" PER R285, FLUSH IN A.C., ACCEPTED AS POINT ON CENTERLINE OF SILVERADO CANYON ROAD, N64°02'01"W 0.34' FROM ESTABLISHED CL BC
- 13 FOUND 1" I.P. WITH TAG STAMPED "L.S. 9257" PER R285, OPEN, DOWN 1 FOOT IN DIRT, ACCEPTED AS P.I. #4 OF R141
- 14 FOUND SPIKE & WASHER STAMPED "L.S. 9257" PER R285, FLUSH IN A.C. S39°30'41"E 0.36 FEET FROM ESTABLISHED CENTERLINE B.C. OF SILVERADO CANYON ROAD.
- 15 FOUND SPIKE & WASHER STAMPED "L.S. 9257" PER R290, FLUSH IN A.C. S31°56'32"E 0.47 FEET FROM ESTABLISHED CENTERLINE E.C. OF SILVERADO CANYON ROAD.
- 16 FOUND 1" I.P. WITH TAG STAMPED "L.S. 9257" PER R290, OPEN, DOWN 0.9 FEET IN DIRT, ACCEPTED AS P.I. #6 OF R141
- 17 FOUND SPIKE & WASHER, PER R290, DOWN 0.4 FEET IN A.C., N70°14'23W 0.71 FEET FROM ESTABLISHED CENTERLINE E.C. OF SILVERADO CANYON ROAD.
- 18 FOUND 2" I.P. WITH TACK, NO TAG, PER R307 PAGE 51, AS SHOWN ON R136 PAGE 76, FLUSH IN DIRT, S73°51'37"W 0.47 FEET FROM ESTABLISHED B.C. OF THE 60 FEET WIDE RIGHT-OF-WAY OF SILVERADO CANYON ROAD PER R500
- 19 FOUND 2" I.P. WITH TACK, NO TAG, PER R307 PAGE 51, AS SHOWN ON R136 PAGE 76, UP 0.1 FEET IN DIRT, S85°11'12"W 0.39 FEET FROM ESTABLISHED B.C. OF THE 60 FEET WIDE RIGHT-OF-WAY OF SILVERADO CANYON ROAD PER R500
- 20 FOUND SPIKE & WASHER STAMPED "O.C.S. B.C. 7-6-85", PER R281, DOWN 0.3 FEET IN A.C. S22°30'06"E 0.20 FEET FROM ESTABLISHED CENTERLINE B.C. OF SILVERADO CANYON ROAD.
- 21 FOUND 1" I.P. WITH TAG STAMPED "L.S. 9257" PER R280 & R281, OPEN, DOWN 1.6 FEET IN DIRT, ACCEPTED AS P.I. #7 OF R141
- 22 FOUND SPIKE & WASHER STAMPED "O.C.S. E.C. 7-6-85", NO REFERENCE, AS SHOWN ON R277, DOWN 0.3 FEET IN A.C. S83°45'55"W 0.15 FEET FROM ESTABLISHED CENTERLINE E.C. OF SILVERADO CANYON ROAD.
- 23 FOUND SPIKE & WASHER STAMPED "O.C.S. B.C. 8-6-85", NO REFERENCE, AS SHOWN ON R277, DOWN 0.3 FEET IN A.C. N21°00'02"W 0.09 FEET FROM ESTABLISHED CENTERLINE B.C. OF SILVERADO CANYON ROAD.
- 24 FOUND 1" I.P. WITH TAG STAMPED "L.S. 9257" PER R287 , OPEN, DOWN 1.3 FEET IN DIRT, ACCEPTED AS P.I. #8 OF R141

- 25 FOUND SPIKE & WASHER STAMPED "L.S. 9257" PER R276, DOWN 0.1 FEET IN A.C., ACCEPTED AS A POINT ON CENTERLINE OF SILVERADO CANYON ROAD, S45°30'24"E 0.14 FEET FROM ESTABLISHED CENTERLINE E.C. OF SILVERADO CANYON ROAD.
- 26 FOUND SPIKE & WASHER STAMPED "L.S. 9257" PER R276, DOWN 0.1 FEET IN A.C., N80°20'13"E, 0.09 FEET FROM ESTABLISHED CENTERLINE B.C. OF SILVERADO CANYON ROAD.
- 27 FOUND 1" I.P. WITH TAG STAMPED "L.S. 9257" PER R271 , OPEN, DOWN 1.2 FEET IN DIRT, ACCEPTED AS P.I. #9 OF R141
- 28 FOUND SPIKE & WASHER STAMPED "L.S. 9257" PER R271, IN A.C., ACCEPTED AS A POINT ON CENTERLINE OF SILVERADO CANYON ROAD, S73°27'04"E, 0.17 FEET FROM ESTABLISHED CENTERLINE E.C. OF SILVERADO CANYON ROAD.
- 29 FOUND SPIKE & WASHER STAMPED "O.C.S. B.C. 10-6-85", PER R286, DOWN 0.3 FEET IN A.C. S33°35'36"E 0.15 FEET FROM ESTABLISHED CENTERLINE B.C. OF SILVERADO CANYON ROAD.
- 30 FOUND 1" I.P. WITH TAG STAMPED "L.S. 9257" PER R286 , OPEN, DOWN 1.0' FOOT IN DIRT, ACCEPTED AS P.I. #10 OF R141
- 31 FOUND SPIKE & WASHER STAMPED "O.C.S.", PER R286, DOWN 0.2 FEET IN A.C. ACCEPTED AS A POINT ON CENTERLINE TANGENT OF SILVERADO CANYON ROAD, N56°44'49"W, 0.13 FEET FROM ESTABLISHED CENTERLINE E.C. OF SILVERADO CANYON ROAD.
- 32 FOUND BOLT WITH "O.C.S." TAG STAMPED "B.C. 6-85", GPS POINT NO. 6652 PER R600, AND PER R284, DOWN 0.2' FEET IN A.C., ACCEPTED AS CENTERLINE B.C. OF SILVERADO CANYON ROAD
- 33 FOUND SPIKE NO WASHER IN LIEU OF SPIKE AND WASHER STAMPED "OCS PER R269 ,DOWN 0.2 FEET IN A.C., ACCEPTED AS POINT ON CENTERLINE TANGENT OF SILVERADO CANYON ROAD, N80°12'03"W 0.12 FEET FROM THE CENTERLINE E.C. OF SILVERADO CANYON ROAD.
- 34 FOUND SPIKE AND WASHER STAMPED "O.C.S." PER R279 , DOWN 0.2 FEET IN A.C., N47°48'20"E 0.05 FEET FROM THE CENTERLINE B.C. OF SILVERADO CANYON ROAD.
- 35 FOUND 2" I.P. WITH TAG STAMPED "L.S. 9257" PER R289 , DOWN 0.3' FEET IN DIRT, ACCEPTED AS P.I. #12 OF R141
- 36 FOUND SPIKE AND WASHER STAMPED "L.S. 9257" PER R278 , DOWN 0.2 FEET IN A.C., ACCEPTED AS A POINT ON CENTERLINE OF SILVERADO CANYON ROAD, N53°39'56"E, 0.08 FEET FROM ESTABLISHED CENTERLINE E.C. OF SILVERADO CANYON ROAD.
- 37 FOUND PUNCHED SPIKE, PER R268 AND R92 , DOWN 0.3 FEET IN A.C., ACCEPTED AS P.I. #13 OF R141
- 38 FOUND SPIKE AND WASHER STAMPED "L.S. 9257" PER R268, GPS POINT NO. 6749R1 PER R601, ACCEPTED AS A POINT ON EASTERLY LINE OF IRVINE SUBDIVISION, M.M. 1/88 AND THE RANCHO LOMAS DE SANTIAGO, ALSO THE WESTERLY LINE FRACTIONAL SECTION 7, TOWNSHIP 5 SOUTH, RANGE 11 WEST, N17°37'36"W 0.08' FEET (0.06' R366) FROM INTERSECTION OF SAID EASTERLY LINE WITH CENTERLINE OF SILVERADO CANYON ROAD
- 39 FOUND SPIKE & WASHER, ILLEGIBLE TAG, NO REFERENCE AS SHOWN ON R290, DOWN 0.4 FEET IN A.C. S01°36'09"W 0.31 FEET FROM ESTABLISHED CENTERLINE B.C. OF SILVERADO CANYON ROAD.
- 40 FOUND 1-1/2" I.P. WITH TACK & 3/4" TAG STAMPED "R.E. 2317" PER R70, DOWN 1.4' FEET IN DIRT, ACCEPTED AS SOUTHWESTERLY CORNER OF FRACTIONAL SECTION 7, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M.
- 41 FOUND 1-1/2" I.P. WITH TACK & 3/4" TAG STAMPED "L.S. 2210" PER R64, DOWN 0.4' FEET IN DIRT, ACCEPTED AS POINT ON WESTERLY LINE OF FRACTIONAL SECTION 7, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M.
- 42 FOUND SPIKE AND WASHER STAMPED "L.S. 9257" PER R265, ACCEPTED AS A POINT ON CENTERLINE OF SILVERADO CANYON ROAD AND SWLY CORNER OF PARCEL NO-1 PER R40
- 43 FOUND 2" I.P. WITH NAIL AND 3/4" PUNCHED TAG STAMPED "R.E. 2317" PER R70 IN CONC. PLUG. UP 0.3 FEET AND GRANITE STONE 12"x12"x4" MARKED "1/4" ON N'LY FACE, ACCEPTED AS SOUTH 1/4 CORNER OF SECTION 7, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M.
- 44 FOUND 3/4" I.P. WITH TAG STAMPED "L.S. 9257" PER R264, DOWN 0.3 FEET IN DIRT, ACCEPTED AS P.I. #14 OF R141
- 45 FOUND 3/4" I.P. WITH TAG STAMPED "L.S. 9257" PER R267, DOWN 0.5 FEET IN DIRT, ACCEPTED AS P.I. #15 OF R141
- 46 FOUND GEAR SPIKE AND WASHER STAMPED "L.S. 4215" PER R86, AS SHOWN ON R274, DOWN 0.6 FEET IN A.C., ACCEPTED AS P.I. #16 OF R141
- 47 FOUND SPIKE AND WASHER STAMPED "L.S. 9257" PER R266 , FLUSH IN A.C., ACCEPTED AS P.I. #17 OF R141



- 48 FOUND SPIKE & WASHER STAMPED "L.S. 9257" PER R266, FLUSH IN A.C. ACCEPTED AS A POINT ON CENTERLINE OF SILVERADO CANYON ROAD. S59°47'23"W 0.04 FEET FROM ESTABLISHED B.C. OF SILVERADO CANYON ROAD.
- 49 FOUND SPIKE & WASHER STAMPED "L.S. 9257" PER R266, FLUSH IN A.C. ACCEPTED AS PI #18 OF R141.
- 50 FOUND 2" I.P. NO TAG, FLUSH IN DIRT, ACCEPTED AS I.P. PER R56, ALSO ACCEPTED AS A POINT ON NORTHERLY RIGHT-OF-WAY LINE OF 60 FOOT WIDE RESERVED ROAD AS SHOWN ON R56, S56°15'33" 1.36 FEET (1.26' R109) FROM INTERSECTION OF LINE ESTABLISHMENT NOTES 4 AND 5
- 51 FOUND 1-1/2" HOLLOW I.P. NO TAG, DOWN 0.1 FEET IN DIRT, ACCEPTED AS I.P. SHOWN ON R56 AT THE NORTHWEST CORNER OF LOT 2 OF TRACT 699 M.M. 21/16 (R3). ALSO ACCEPTED AS NORTHWEST CORNER OF TRACT 873 M.M. 30/24(R8).
- 52 FOUND 1-1/2" HOLLOW I.P. NO TAG, UP 0.2 FEET IN DIRT, ACCEPTED AS I.P. SHOWN ON R56 AT THE INTERSECTION OF WESTERLY LINE OF LOT 2 OF TRACT 699 M.M. 21/16 (R3) AND NORTHERLY RIGHT OF WAY LINE OF 60 FOOT ROAD SHOWN ON R56. ACCEPTED ALSO AS THE INTERSECTION OF NORTHERLY RIGHT OF WAY LINE OF 60 FOOT RESERVED ROAD SHOWN ON TRACT 873 M.M. 30/24 (R8) AND WESTERLY LINE OF LOT 1 OF SAID TRACT 873 (R8).
- 53 FOUND 2-1/2 INCH IRON PIPE WITH 3-1/4 INCH ALUMINUM DISK STAMPED "US DEPT OF AGRICULTURE FOREST SERVICE" PER R91, ACCEPTED AS THE SOUTHEAST CORNER OF SECTION 7, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M.
- 54 FOUND 2 INCH IRON PIPE WITH 3-1/4 INCH ALUMINUM CAP STAMPED "US DEPT OF AGRICULTURE FOREST SERVICE" PER R91, ACCEPTED AS THE 1/4 CORNER OF SECTIONS 7 AND 8, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M.
- 55 FOUND 5/8" INCH REBAR NO REFERENCE AS SHOWN ON R115, DOWN 0.3 FEET IN A.C. S06°22'54"E 0.04 FEET FROM CENTERLINE OF SILVERADO CANYON ROAD.
- 56 FOUND GEAR SPIKE & WASHER STAMPED "RCE 28328" PER R95, DOWN 0.3 FEET IN A.C. ACCEPTED AS CENTERLINE INTERSECTION OF OLD LADD CANYON ROAD & SILVERADO CANYON ROAD
- 57 FOUND REBAR, DOWN 0.6 FEET IN DIRT. PER R115 ACCEPTED AS P.I. #20 OF R141
- 58 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R206, FLUSH IN A.C. N26°37'49"E 0.10 FEET FROM ESTABLISHED NOTE 4
- 59 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R195, FLUSH IN A.C., ACCEPTED AS P.I. #21 OF R141
- 60 FOUND 1 INCH IRON PIPE WITH 3-1/4 INCH BRASS TAG STAMPED "LS 485" PER R66, N02°00'25"E 0.24' FROM INTERSECTION OF LINE ESTABLISHMENT NOTES 4 AND 5
- 61 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R202, FLUSH IN A.C. ACCEPTED AS P.I. #22 OF R141
- 62 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R202, FLUSH IN A.C. ACCEPTED AS P.I. #23 OF R141 & R144
- 63 FOUND CHISELED "X" PER R132, DOWN 0.3 FEET IN ROCK. ACCEPTED AS P.I. #25 OF R144
- 64 FOUND 3 INCH IRON PIPE WITH COPPER NAIL IN CONC. PLUG PER R324. NO TAG, DAMAGED TACK. UP 0.3 FEET IN CONC. AS SHOWN ON R91 & R89. ACCEPTED AS SOUTH 1/4 CORNER OF SECTION 8, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M.
- 65 FOUND 3 INCH DIAMETER ALUMINUM CAPPED PIPE STAMPED "US DEPT OF AGRICULTURE FOREST SERVICE, TSS R7W C-S 1/16 S8 L.S. 5048, 1989" PER R99, ACCEPTED AS CENTER-SOUTH 1/16 OF SECTION 8, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M.
- 66 FOUND CHISELED "X" ON CONCRETE BOX, PER R144. ACCEPTED AS TIE POINT TO P.I. #27
- 67 FOUND 3-1/4 INCH DIAM. ALUMINUM CAPPED 3/4 INCH DIAM. ROD STAMPED "US DEPT OF AGRICULTURE FOREST SERVICE, L.S. 5048, 1989, RM 39.88" PER R99, ACCEPTED AS REFERENCE MONUMENT TO MONUMENT NOTE 65
- 68 FOUND REBAR & 1-1/2 INCH PLASTIC CAP STAMPED "O.C.S. R.M." PER R144, UP 0.3 FEET IN DIRT, ACCEPTED AS P.I. #26 OF R144
- 69 FOUND 3/4 INCH IRON PIPE & WOOD PLUG WITH NAIL, ACCEPTED AS 3/4" IRON PIPE PER R329, DOWN 3.0 FEET IN DIRT. ACCEPTED AS P.I. #28 OF R144.
- 70 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R183, DOWN 0.1 FEET IN A.C., ACCEPTED AS P.I. #30 OF R144
- 71 FOUND SPIKE & 1-1/2" BRASS WASHER STAMPED "O.C.S. 1-03" PER R180, AS SHOWN ON R196, ACCEPTED AS P.I. #32 OF R105 & R141

- 72 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R196, FLUSH IN A.C., ACCEPTED AS P.I. #33 OF R105 & R141
- 73 FOUND LEAD-BRASS PIN & 1-1/4 INCH BRASS TAG STAMPED "OCS P.I. 34 19 O/S" PER R151 & R105, FLUSH IN CONC. DRIVEWAY ACCEPTED AS TIE POINT TO ESTABLISHMENT NOTE 4
- 74 FOUND LEAD-BRASS PIN & 1-1/4 INCH BRASS TAG STAMPED "OCS P.I. 34 16 O/S" PER R151 & R105, FLUSH IN CONC. DRIVEWAY ACCEPTED AS THE POINT TO ESTABLISHMENT NOTE 4
- 75 FOUND 1 INCH IRON PIPE WITH 3/4 INCH BRASS TAG STAMPED "PLS 6343" PER R118, FLUSH IN DIRT PROVIDE A FALLING TO N'LY OF CORNER OF LOT 16 OF R9
- 76 FOUND 1 INCH HOLLOW IRON PIPE, IN LIEU OF 1 INCH IRON PIPE WITH 3/4 INCH BRASS TAG STAMPED "PLS 6343" PER R118 PROVIDE A FALLING TO INTERSECTION OF E'LY LINE OF LOT 16 AND N'LY LINE OF LOT A PER R9
- 77 FOUND 1 INCH IRON PIPE WITH NAIL AND 3/4 INCH BRASS TAG, ILLEGIBLE, PER R197, DOWN 0.3 FEET IN A.C., S34°11'59"E 0.08 FEET FROM THE CENTERLINE E.C. OF SILVERADO CANYON ROAD.
- 78 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R184, FLUSH IN A.C. APPARENT 10' N'LY PROLONGATION OF W'LY AND E'LY LINE OF LOT 22 PER CR 2019-0886 AND R127
- 79 FOUND 1 INCH IRON PIPE WITH 3/4 INCH BRASS TAG STAMPED "PLS 6343" PER R118, UP 0.1 FEET IN DIRT, ACCEPTED AS POINT ON THE CENTERLINE OF "LOT A" OF R6
- 80 FOUND 2 INCH IRON PIPE WITH 2-1/2 INCH PUNCHED BRASS DISK STAMPED "P.I. 35, 10-93" PER R151, AS SHOWN ON R203, DOWN 0.2 FEET IN DIRT, ACCEPTED AS P.I. #35 OF R151.
- 81 FOUND 2 INCH IRON PIPE WITH 2-1/2 INCH BRASS DISK STAMPED "P.I. 35 AUX, 10-93" PER R151, AS SHOWN ON R203, DOWN 0.3 FEET IN DIRT, ACCEPTED AS P.I. #35 AUX OF R151.
- 82 FOUND 2-1/2 INCH IRON PIPE WITH 3-1/4 INCH ALUMINUM DISK STAMPED "U.S. DEPT. OF AGRICULTURE FOREST SERVICE, S.C. T5S R7W S8 S9 S17 S16 O.C.S. 1982" PER R91, ACCEPTED AS COMMON CORNER OF SECTIONS 8, 9, 17 AND 16, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M.
- 83 FOUND REBAR & 1-1/2 INCH PLASTIC CAP STAMPED "L.S. 4240" PER R107, DOWN 0.2 FEET IN DIRT, S88°20'51" 0.32 FEET (PERPENDICULAR) FROM LINE ESTABLISHMENT NOTE 4
- 84 FOUND LEAD-BRASS NAIL & 3/4 INCH BRASS TAG STAMPED "OCS TIE" PER R139, PGS. 144, FLUSH IN CONC. ACCEPTED AS TIE POINT TO P.I. #31 OF R105, ESTABLISHMENT NOTE 4
- 85 FOUND 3 INCH DIAMETER ALUMINUM CAPPED PIPE STAMPED "U.S. DEPT. OF AGRICULTURE FOREST SERVICE, T5S R7W S 1/16 S8/S9 L.S. 5048 1989" PER R99, ACCEPTED AS SOUTH 1/16 OF SECTIONS 8 AND 9, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M.
- 86 FOUND 1 INCH HOLLOW IRON PIPE NO TAG, PER R118, UP 0.1 FEET IN DIRT, ACCEPTED AS NORTHWEST CORNER OF SOUTHWEST 1/4 OF SOUTHWEST 1/4 OF SECTION 9, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M.
- 87 FOUND 2 INCH IRON PIPE WITH TACK & 3-1/4 INCH BRASS TAG STAMPED "RCE 13642" PER R118, S88°20'51"E 0.10' (PERPENDICULAR) FROM LINE ESTABLISHMENT NOTE 4
- 88 FOUND LEAD-BRASS NAIL & 3/4 INCH TAG STAMPED "OCS TIE" PER R144 ON CONCRETE BOX, ACCEPTED AS TIE POINT TO P.I. #27 OF R144
- 89 FOUND 2 INCH IRON PIPE PER R151 WITH BRASS SHANK, DOWN 0.5 FEET IN A.C., BRASS DISK IS SHEARED OFF BUT SHANK FITS POSITION OF ORIGINAL MONUMENT. ACCEPTED AS P.I. #36 OF R151.
- 91 FOUND 3/4" INCH IRON PIPE, NO TAG, PER R329, DOWN 0.2 FEET IN DIRT, ACCEPTED AS P.I. #39 OF R141.
- 92 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R207, FLUSH IN A.C., ACCEPTED AS P.I. #40 OF R141
- 93 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R198, FLUSH IN A.C., ACCEPTED AS P.I. #43 OF R141 & R148
- 94 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R198, FLUSH IN A.C., ACCEPTED AS P.I. #44 OF R141 & R148
- 95 FOUND 1 INCH IRON PIPE WITH PLASTIC CAP STAMPED "RCE 19593", PER R104 AND R118, ACCEPTED AS NORTHEAST CORNER OF THE SOUTH 1/2 OF THE SOUTHWEST 1/4 OF SECTION 9, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M.



		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
SILVERADO CANYON RD GUARDRAIL PROJECT			
MONUMENT NOTES			
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.			
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO. 3 of 52	
MAPPING	BY: S. ROBATI		
OFFICE CHECK	BY: J. MORENO, PLS		
FIELD CHECK	BY: J. MORENO		
SCALE: N/A	W.O. #E0212025		
REVISIONS		FILE: SILVERADO_BOUNDARY_2023.DWG	

MONUMENT NOTES

- 96 FOUND SPIKE & 1-1/2 INCH BRASS WASHER STAMPED "OCS 1-03" PER R165, FLUSH IN A.C., ACCEPTED AS INCORRECT P.I. #31 OF R105
- 97 FOUND LEAD-BRASS NAIL & 3/4 INCH BRASS TAG STAMPED "OCS TIE" PER R151, FLUSH IN CONC. ACCEPTED AS TIE POINT TO P.I. #31 OF R105, ESTABLISHMENT NOTE 97
- 98 FOUND GEAR SPIKE & 1-1/2 INCH WASHER STAMPED "LS 5411" PER R111, FLUSH IN A.C., N31°30'05"W 2.34' (PERPENDICULAR) TO ESTABLISHMENT NOTE 98
- 99 FOUND SPIKE & 1-1/2 INCH WASHER TAG STAMPED "PLS 6343" PER R118, FLUSH IN A.C., ACCEPTED AS POINT ON THE CENTERLINE OF "LOT A" OF R6
- 100 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R192, FLUSH IN A.C., ACCEPTED AS P.I. #46 OF R141
- 101 FOUND SPIKE & WASHER STAMPED "O.C.S." NO REFERENCE
- 102 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R192, FLUSH IN A.C., ACCEPTED AS P.I. #49 OF R141
- 103 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R192, FLUSH IN A.C., ACCEPTED AS P.I. #50 OF R141
- 104 FOUND 1 INCH IRON PIPE WITH BRASS PIN AND 3/4 INCH BRASS TAG STAMPED "OCS RE (ILLEGIBLE)", IN LIEU OF 3/4 INCH IRON PIPE AND BRASS TAG STAMPED "RE 561" PER R316 AS SHOWN ON R136 & R139, DOWN 0.2 FEET IN DIRT, ACCEPTED AS P.I. #51 OF R141.
- 106 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R185, FLUSH IN A.C., ACCEPTED AS P.I. #54 OF R141
- 107 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R185, FLUSH IN A.C., ACCEPTED AS P.I. #54 OF R141
- 113 FOUND 1 INCH IRON PIPE WITH BRASS PIN AND 1-1/4 INCH BRASS TAG STAMPED "RE 561", ACCEPTED AS 3/4 INCH IRON PIPE AND BRASS TAG STAMPED "RE 561" PER R316, FLUSH IN DIRT, ACCEPTED AS P.I. #58 OF R141.
- 114 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R208, FLUSH IN A.C., ACCEPTED AS A POINT ON CENTERLINE TANGENT OF SILVERADO CANYON ROAD, S50°31'59"E 0.58 FEET FROM ESTABLISHED CENTERLINE B.C. OF SILVERADO CANYON ROAD.
- 115 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R189, FLUSH IN A.C., ACCEPTED AS A POINT ON CENTERLINE TANGENT OF SILVERADO CANYON ROAD, S42°54'10"E 0.17 FEET FROM ESTABLISHED CENTERLINE P.R.C. OF SILVERADO CANYON ROAD.
- 116 FOUND 2-1/2 INCH IRON PIPE WITH 3-1/4 INCH ALUMINUM DISK STAMPED "U.S. DEPT. OF AGRICULTURE FOREST SERVICE, S.C T55 R7W 1/4 S9 S16 O.C.S. 1982" PER R91, FLUSH IN DIRT, ACCEPTED AS 1/4 CORNER OF SECTIONS 9 AND 16, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M.
- 119 FOUND 3-1/4 INCH ALUMINUM CAPPED 3/4 INCH DIAM. ROD STAMPED "US DEPT OF AGRICULTURE FOREST SERVICE RM 18.62 FT LS5048 1989" PER R100, FLUSH IN DIRT, ACCEPTED AS THE REFERENCE MONUMENT TO MONUMENT 120.
- 120 FOUND 3-1/4 INCH ALUMINUM CAP STAMPED "US DEPT OF AGRICULTURE FOREST SERVICE, T55 R7W S1/16 S9 S10 LS5048 1989" PER R100, FLUSH IN DIRT, ACCEPTED AS THE SOUTH 1/16 CORNER OF SECTIONS 9 AND 10, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M.
- 121 FOUND 3-1/4 INCH ALUMINUM CAPPED 3/4 INCH DIAM. ROD STAMPED "US DEPT OF AGRICULTURE FOREST SERVICE RM 22FT LS5048 1989" PER R100, FLUSH IN DIRT, ACCEPTED AS THE REFERENCE MONUMENT TO MONUMENT 120.
- 122 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R204, FLUSH IN A.C., ACCEPTED AS P.I. #61 OF R141
- 123 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R186, FLUSH IN A.C., ACCEPTED AS P.I. #62 OF R141
- 124 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R199, FLUSH IN A.C., ACCEPTED AS P.I. #63 OF R141
- 125 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R199, FLUSH IN A.C., ACCEPTED AS P.I. #64 OF R141
- 126 FOUND 3/4 INCH IRON PIPE WITH NAIL AND COPPER TAG STAMPED "RE 561" PER R316, AS SHOWN ON R17, DOWN 1.25 FEET IN A.C., ACCEPTED AS THE INTERSECTION OF THE CENTERLINE OF SILVERADO CANYON ROAD AND THE S'LY PROLONGATION OF THE E'LY LINE OF LOT 58 OF R15.

- 128 FOUND 3/4 INCH IRON PIPE WITH NAIL AND ILLEGIBLE COPPER TAG PER R17 AND R316, DOWN 1.0 FOOT IN DIRT, ACCEPTED AS A CENTERLINE P.I. OF SILVERADO CANYON ROAD.
- 129 FOUND SPIKE AND WASHER STAMPED "OCS" PER R136, ACCEPTED AS P.I. OF SILVERADO CANYON ROAD.
- 130 FOUND 3/4 INCH IRON PIPE WITH COPPER TAG STAMPED "OCS RE 561" PER R316, AS SHOWN ON R17, DOWN 1.25 FEET IN DIRT, ACCEPTED AS A CENTERLINE P.I. OF SILVERADO CANYON ROAD.
- 132 FOUND 1-1/4 INCH IRON PIPE, WITH BRASS PIN & 3/4 INCH BRASS TAG STAMPED "L.S. (ILLEGIBLE)", IN LIEU OF 1-1/4 INCH IRON PIPE, STAMPED "L.S. 4215" PER R87, ACCEPTED AS P.I. #73 OF R141
- 133 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R187, FLUSH IN A.C., ACCEPTED AS P.I. #74 OF R141
- 134 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R194, FLUSH IN A.C., S06°01'27"W 0.12 FEET (PERPENDICULAR) TO ESTABLISHMENT NOTE 134 AND APPARENT S'LY PROLONGATION OF THE E'LY LINE OF LOT 16 OF
- 135 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R190, FLUSH IN A.C., ACCEPTED AS P.I. #75 OF R141
- 136 FOUND 3/4 INCH HOLLOW IRON PIPE, ACCEPTED AS 3/4 INCH IRON PIPE WITH TAG STAMPED "R.C.E. 11537" PER R83, AS SHOWN ON R136, DOWN 0.3 FEET IN DIRT, S72°06'25W 0.89' TO ESTABLISHED E.C. OF S'LY RIGHT OF WAY LINE OF SILVERADO CANYON ROAD.
- 137 FOUND 2 INCH IRON PIPE WITH 3/4 INCH PUNCHED TAG STAMPED "L.S. 4337", NO REFERENCE, IN LIEU OF 1 INCH IRON PIPE WITH TAG STAMPED "R.C.E. 11537" PER R83, DOWN 0.7 FEET IN DIRT, ACCEPTED AS S'LY CORNER OF LOT 12 OF R17
- 138 FOUND 2 INCH IRON PIPE WITH 3-1/4 INCH ALUMINUM CAP STAMPED "US DEPT OF AGRICULTURE FOREST SERVICE, T55, R7W, S10 S15 1/4" PER R91, UP 0.3 FEET IN DIRT, ACCEPTED AS THE SOUTH 1/4 CORNER OF SECTION 10, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M.
- 139 FOUND 3-1/4 INCH ALUMINUM CAPPED 3/4 DIAM. ROD STAMPED "US DEPT OF AGRICULTURE FOREST SERVICE" PER R100, FLUSH IN DIRT, ACCEPTED AS THE REFERENCE MONUMENT TO MONUMENT 140.
- 140 FOUND 3-1/4 INCH ALUMINUM CAP STAMPED "US DEPT OF AGRICULTURE FOREST SERVICE, T55, R7W, C-S 1/16, S10, LS5048, 1989" PER R100, FLUSH IN DIRT, ACCEPTED AS THE CENTER-SOUTH 1/16 CORNER OF SECTION 10, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M.
- 141 FOUND 3-1/4 INCH ALUMINUM CAPPED 3/4 DIAM. ROD STAMPED "US DEPT OF AGRICULTURE FOREST SERVICE" PER R100, FLUSH IN DIRT, ACCEPTED AS THE REFERENCE MONUMENT TO MONUMENT 140.
- 142 FOUND 3/4 INCH IRON PIPE, ACCEPTED AS 3/4" IRON PIPE WITH TAG STAMPED "R.E. 561" PER R316, AS SHOWN ON R83 & R136, DOWN 0.1 FEET IN DIRT, ACCEPTED AS P.I. #76 OF R144.
- 143 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R201, FLUSH IN A.C., ACCEPTED AS P.I. #77 OF R141
- 144 FOUND 1" INCH HOLLOW IRON PIPE, ACCEPTED AS 1" IRON PIPE WITH TAG STAMPED "R.C.E. 11537" PER R83, UP 0.20 FEET IN DIRT. S00°13'37"W 0.12 FEET FROM APPARENT INTERSECTION OF THE N'LY RIGHT OF WAY LINE OF SILVERADO CANYON ROAD AND E'LY LINE OF PROPERTY PER R83.
- 145 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R201, FLUSH IN A.C., ACCEPTED AS P.I. #79 OF R141 & R39
- 148 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R205, FLUSH IN A.C., ACCEPTED AS P.I. #83 OF R39
- 149 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R205, FLUSH IN A.C., ACCEPTED AS P.I. #84 OF R142 & R39
- 150 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R205, FLUSH IN A.C., ACCEPTED AS P.I. #85 OF R142
- 151 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R188, FLUSH IN A.C., ACCEPTED AS P.I. #87 OF R142
- 154 FOUND 3-1/4 INCH DIAM. ALUMINUM CAPPED 3/4 INCH DIAM. ROD STAMPED "US DEPT OF AGRICULTURE FOREST SERVICE, L.S. 5048, 1989, RM 51.85" PER R98, FLUSH WITH DIRT, ACCEPTED AS REFERENCE MONUMENT TO ESTABLISHMENT NOTE 160

- 155 FOUND 3 INCH DIAM. ALUMINUM CAPPED PIPE STAMPED "US DEPT OF AGRICULTURE FOREST SERVICE, MQM MS 4846A, L.S. 5048, 1989, COR 1, BLMS" PER R98. FLUSH WITH DIRT, ACCEPTED AS THE CORNER OF TRACT 691 M.M. 22/37-39 (R2) AND COR 1 OF R98
- 156 FOUND 3-1/4 INCH DIAM. ALUMINUM CAPPED 3/4 INCH DIAM. ROD STAMPED "US DEPT OF AGRICULTURE FOREST SERVICE, L.S. 5048, 1989, RM 61.07" PER R98, FLUSH WITH DIRT, ACCEPTED AS REFERENCE MONUMENT TO ESTABLISHMENT NOTE 156
- 157 FOUND 3 INCH DIAM. ALUMINUM CAPPED PIPE STAMPED "US DEPT OF AGRICULTURE FOREST SERVICE, BLMS, L.S. 5048, 1989, COR 2" PER R98. DOWN 1.10FT IN DIRT, ACCEPTED AS THE CORNER OF TRACT 691 M.M. 22/37-39 (R2) AND COR 2 OF R98
- 158 FOUND 1/2 INCH IRON PIPE, NO TAG, IN LIEU OF 3/4 INCH IRON PIPE PER R383, R503 AND R316, DOWN 0.50 FEET IN DIRT, ACCEPTED AS A POINT ON TRACT LINE OF R2, LINE ESTABLISHMENT 158, S48°06'02"W 0.40 FEET SOUTHWESTERLY ALONG LINE ESTABLISHMENT 158 FROM THE INTERSECTION OF LINE ESTABLISHMENT 158 AND 158
- 162 FOUND 1 INCH IRON PIPE, WITH BRASS PIN & 3/4 INCH BRASS TAG STAMPED "L.S. 5133" PER R117. ACCEPTED AS P.I. #89 OF R141
- 163 FOUND 3/4 BRASS WASHER, STAMPED "L.S. 5133" EPOXIED ON RIP-RAP ROCK, PER R117. ACCEPTED AS P.I. #90 OF R141
- 165 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R209, FLUSH IN A.C., ACCEPTED AS A POINT ON THE CENTERLINE OF SILVERADO CANYON ROAD.
- 166 FOUND SPIKE & 1-1/2" S.S. WASHER STAMPED "O.C.S." PER R209, FLUSH IN A.C., ACCEPTED AS THE TEMPORARY POINT PER R136 AND P.I. #91 OF R141. DID NOT ACCEPT AS POINT ON CENTERLINE OF SILVERADO CANYON ROAD.
- 167 FOUND 3 INCH DIAM. ALUMINUM CAPPED PIPE STAMPED "US DEPT OF AGRICULTURE FOREST SERVICE, L.S. 5048, 1989, COR 2, MQM MS 4846A" PER R98. FLUSH WITH DIRT, ACCEPTED AS THE MOST N'LY CORNER OF TRACT 691 M.M. 22/37-39 (R2) AND COR 2 OF R98
- 168 FOUND 3-1/4 INCH DIAM. ALUMINUM CAPPED 3/4 INCH DIAM. ROD STAMPED "US DEPT OF AGRICULTURE FOREST SERVICE, L.S. 5048, 1989, RM 42.42" PER R98, FLUSH WITH DIRT, ACCEPTED AS REFERENCE MONUMENT TO ESTABLISHMENT NOTE 167
- 169 FOUND 2-1/2 INCH IRON PIPE WITH 3-1/4 INCH ALUMINUM DISK STAMPED "U.S. DEPT. OF AGRICULTURE FOREST SERVICE, S.C T55 R7W S10 S11 S15 S14 O.C.S. 1984" PER R91, ACCEPTED AS COMMON CORNER OF SECTIONS 10, 11, 15 AND 14, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M.
- 170 FOUND 3-1/4 INCH ALUMINUM CAP STAMPED "US DEPT OF AGRICULTURE FOREST SERVICE, T55 R7W S1/16 S10 S11 LS5048 1989" PER R100, UP 0.30 FEET IN DIRT, ACCEPTED AS THE SOUTH 1/16 CORNER OF SECTIONS 10 AND 11, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M.
- 171 FOUND 3-1/4 INCH DIAM. ALUMINUM CAPPED 3/4 INCH DIAM. ROD STAMPED "US DEPT OF AGRICULTURE FOREST SERVICE, L.S. 5048, 1989, RM 55.71 FT" PER R100, ACCEPTED AS REFERENCE MONUMENT TO MONUMENT NOTE 170
- 172 FOUND 3-1/4 INCH DIAM. ALUMINUM CAPPED 3/4 INCH DIAM. ROD STAMPED "US DEPT OF AGRICULTURE FOREST SERVICE, L.S. 5048, 1989, RM 45 FT" PER R100, ACCEPTED AS REFERENCE MONUMENT TO MONUMENT NOTE 170



ESTABLISHMENT NOTES

- 1. ESTABLISHED THE EASTERLY LINE OF IRVINE'S SUBDIVISION M.M. 1/88 AND WESTERLY LINE OF FRACTIONAL SECTION 7, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M. BY HOLDING A LINE BETWEEN MONUMENT NOTES 40 AND 41
- 2. ESTABLISHED THE EAST LINE OF SECTION 7, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M. BY HOLDING A LINE BETWEEN MONUMENT NOTES 53 AND 54
- 3. ESTABLISHED THE WESTERLY LINE OF LOT 2 OF TRACT 699 M.M. 21/16 AND THE WESTERLY LINE OF LOT 1 OF TRACT 873 M.M. 30/24 BY HOLDING A LINE BETWEEN MONUMENT NOTE 51 AND ESTABLISHMENT NOTE 52
- 4. ESTABLISHED THE SOUTHERLY LINE OF WEST 1/2 OF SECTION 8, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M. BY HOLDING A LINE BETWEEN MONUMENT NOTES 53 AND 54
- 5. ESTABLISHED THE EASTERLY LINE OF SOUTH 1/2 OF SOUTHWEST 1/4 OF SECTION 8, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M. BY HOLDING A LINE BETWEEN MONUMENT NOTES 64 AND 65
- 6. ESTABLISHED THE SOUTHERLY LINE OF EAST 1/2 OF SECTION 7, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M. BY HOLDING A LINE BETWEEN MONUMENT NOTES 43 AND 53
- 7. ESTABLISHED THE SOUTHERLY LINE OF WEST 1/2 OF FRACTIONAL SECTION 7, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M. BY HOLDING A LINE BETWEEN MONUMENT NOTES 43 AND 43
- 8. ESTABLISHED THE NORTH LINE OF THE SOUTH 1/2 OF THE SOUTHWEST 1/4 OF SECTION 10, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M. BY HOLDING A LINE BETWEEN MONUMENTS 120 AND 140.
- 9. ESTABLISHED THE EAST LINE OF THE SOUTH 1/2 OF THE SOUTHWEST 1/4 OF SECTION 10, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M. BY HOLDING A LINE BETWEEN MONUMENTS 138 AND 140.
- 10. ESTABLISHED THE EAST LINE OF SECTION 8, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M. PER R99, AS SHOWN ON R105, R107 AND R151 BY HOLDING A LINE BETWEEN MONUMENT NOTES 82 AND 85
- 11. ESTABLISHED THE EAST LINE OF SECTION 8, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M. ALSO BEING THE WESTERLY LINE OF TRACT 484 M.M. 16/46 (R1) AND THE EASTERLY LINE OF TRACT 997 M.M. 33/22 (R16), AS SHOWN AS EASTERLY LINE OF SAID SECTION ON R107, R104, R118, R380, R309 AND R301, BY HOLDING A LINE BETWEEN MONUMENT NOTES 82 AND 86
- 12. ESTABLISHED THE SOUTHERLY LINE OF EAST 1/2 OF SECTION 8, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M. BY HOLDING A LINE BETWEEN MONUMENT NOTES 82 AND 64
- 13. ESTABLISHED THE SOUTHERLY LINE OF WEST 1/2 OF SECTION 9, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M. BY HOLDING A LINE BETWEEN MONUMENT NOTES 82 AND 116
- 14. ESTABLISHED THE NORTHERLY LINE OF SOUTH 1/2 OF SOUTHWEST 1/4 OF SECTION 9, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M. BY HOLDING A LINE BETWEEN MONUMENT NOTES 85 AND 86
- 15. ESTABLISHED THE EASTERLY LINE OF SOUTH 1/2 OF SOUTHWEST 1/4 OF SECTION 9, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M. BY HOLDING A LINE BETWEEN MONUMENT NOTES 85 AND 116
- 16. ESTABLISHED THE SOUTH LINE OF THE SOUTH 1/2 OF THE SOUTHEAST 1/4 OF SECTION 10, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M. BY HOLDING A LINE BETWEEN MONUMENTS 138 AND 169.
- 17. ESTABLISHED THE EAST LINE OF THE SOUTH 1/2 OF THE SOUTHEAST 1/4 OF SECTION 10, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M. BY HOLDING A LINE BETWEEN MONUMENTS 169 AND 170.
- 18. ESTABLISHED THE NORTH LINE OF THE SOUTH 1/2 OF THE SOUTHEAST 1/4 OF SECTION 10, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M. BY HOLDING A LINE BETWEEN MONUMENTS 140 AND 170.
- 19. ESTABLISHED THE NORTHWESTERLY LINE OF TRACT 691 M.M. 20/37-39 (R2) BY HOLDING A LINE BETWEEN 155 AND 157
- 20. S.F.N. ESTABLISHED THE INTERSECTION OF NORTHEASTERLY LINE OF TRACT 691 M.M. 20/37-39 (R2) AND CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD DISTANCE OF 0.25 FEET NE'LY FROM MONUMENT NOTE 163 PER R117 ALONG LINE ESTABLISHMENT 163
- 21. ESTABLISHED THE NORTHEASTERLY LINE OF TRACT 691 M.M. 20/37-39 (R2) BY HOLDING A LINE BETWEEN MONUMENT NOTE 168 AND ESTABLISHMENT NOTE 163
- 22. ESTABLISHED THE NORTH LINE OF THE SOUTH 1/2 OF THE SOUTHEAST 1/4 OF SECTION 9, TOWNSHIP 5 SOUTH, RANGE 7 WEST, S.B.M. BY HOLDING A LINE BETWEEN MONUMENTS 120 AND 83.

		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		SILVERADO CANYON RD GUARDRAIL PROJECT	
		ESTABLISHMENT NOTES AND MONUMENT NOTES	
		PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.	
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO.	
MAPPING	BY: S. ROBATI	4 of 52	
OFFICE CHECK	BY: J. MORENO, PLS		
FIELD CHECK	BY: J. MORENO		
SCALE: N/A	W.O. #E0212025	FILE: SILVERADO_BOUNDARY_2023.DWG	
MARK	DATE	ITEM	REVISIONS

ESTABLISHMENT NOTES

- 4A ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 1 AND 3
- 4B ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 3 AND 5
- 4C ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 5 AND 8
- 4D ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 8 AND 10
- 4E ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 11 AND 13
- 4F ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTE 13 AND ESTABLISHMENT NOTE 4
- 4G ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTE 16 AND ESTABLISHMENT NOTE 4
- 4H ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 16 AND 21
- 4I ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 21 AND 24
- 4J ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 24 AND 27
- 4K ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 27 AND 30
- 4L ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 30 AND 32
- 4M ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 33 AND 35
- 4N ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 35 AND 37
- 4O ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 37 AND 44
- 4P ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 300.00' FEET PER R502 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 4Q ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 300.00' FEET PER R500 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 4R ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 500.00' PER R500 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 4S ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 400.00' PER R500 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 4T ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 1000.00' PER R500 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 4U ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 1000.00' PER R500 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 4V ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 500.00' PER R500 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 4W ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 500.00' PER R500 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 4X ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 500.00' PER R500 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 4Y ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 500.00' PER R500 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 4Z ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 500.00' PER R500 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 5A ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 500.00' PER R500 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 5B ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 500.00' PER R500 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 5C ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 43 AND 46
- 5D ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 46 AND 47
- 5E ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 47 AND 48
- 5F ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 500.00' PER R501 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5

- 6A ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 400.00' PER R501 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 6B ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 500.00' PER R501 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 6C ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 2000.00' PER R501 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 6D ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTE 57 AND ESTABLISHMENT NOTE 4
- 6E ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD ANGLE OF 169°15'00" PER R501 AT MONUMENT NOTE 49 FROM ESTABLISHMENT NOTE 4
- 6F ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 300.00' PER R501 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 6G ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 300.00' PER R501 AND MONUMENT NOTE 4 AS E.C. AND TANGENT TO LINE ESTABLISHMENT 4
- 6H ESTABLISHED THE NORTHERLY LINE OF THE RESERVED ROAD SHOWN ON R56 BY HOLDING A LINE BETWEEN MONUMENT NOTES 60 AND 62
- 6I ESTABLISHED THE CENTERLINE OF RESERVED ROAD SHOWN ON R56 BY HOLDING A LINE PARALLEL WITH, AND A RECORD DISTANCE OF 24.59 FEET PER R109 SE'LY FROM LINE ESTABLISHMENT 4
- 6J ESTABLISHED THE SOUTHERLY LINE OF RESERVED ROAD SHOWN ON R56 BY HOLDING A LINE PARALLEL WITH, AND A RECORD DISTANCE OF 24.59 FEET PER R109 SE'LY FROM LINE ESTABLISHMENT 4
- 6K ESTABLISHED THE CENTERLINE OF LADD CANYON ROAD BY HOLDING A RECORD ANGLE OF 67°50'00" PER R365 AT ESTABLISHMENT NOTE 4 FROM LINE ESTABLISHMENT NOTE 4
- 6L ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 67 AND 69
- 6M ESTABLISHED THE CENTERLINE OF THIS WAY BY HOLDING A RECORD ANGLE OF 118°21'30" PER R365 AT ESTABLISHMENT NOTE 4 FROM LINE ESTABLISHMENT NOTE 4
- 6N ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 69 AND 61
- 6O ESTABLISHED A PORTION OF EASTERLY LINE OF TRACT 873 M.M. 30/24 (R8) BY HOLDING A LINE BETWEEN MONUMENT NOTES 69 AND 60
- 6P ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 61 AND 62
- 6Q ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD PER R144 BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTES 4 AND 5
- 6R ESTABLISHED AS CENTERLINE OF SILVERADO CANYON ROAD PER R3 BY HOLDING RECORD ANGLES AND DISTANCES PER R3 AT MONUMENT NOTE 62 FROM LINE ESTABLISHMENT NOTE 4
- 6S ESTABLISHED THE TIE LINE FROM P.I. #25 TO RANDOM POINT PER R144 BY HOLDING A LINE BETWEEN MONUMENT NOTE 63 AND ESTABLISHMENT NOTE 4
- 6T ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD PER R144 BY HOLDING A LINE THROUGH MONUMENT NOTE 63 AND HOLDING A RECORD ANGLE OF 152°12'30" PER R144 ALONG LINE ESTABLISHMENT LINE 4
- 6U ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 300.00' PER R329 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 6V ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 63 AND 68
- 6W ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 300.00' PER R329 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 6X ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTE 69 AND ESTABLISHMENT NOTE 4
- 6Y ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 69 AND ESTABLISHMENT NOTE 4
- 6Z ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 150.00' PER R16 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 7A ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 115.00' PER R16 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 7B ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 150.00' PER R16 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 7C ESTABLISHED THE CENTERLINE OF THAT 40 FOOT STRIP OF LAND DESCRIBED IN PARCEL 4 OF R504 BY HOLDING RECORD ANGLES AND DISTANCES, AND CURVE DATA PER R504 AT ESTABLISHMENT NOTE 4 FROM ESTABLISHMENT NOTE 4

- 8A ESTABLISHED THE RIGHT OF WAY OF SILVERADO CANYON ROAD BY HOLDING PARALLEL WITH, AND A RECORD DISTANCE OF 20 FEET PER R16 N'LY FROM LINE ESTABLISHMENT NOTE 4
- 8B ESTABLISHED THE SOUTHEASTERLY CORNER OF LOT 61 OF R16 AT ESTABLISHED RIGHT OF WAY B.C. OF SILVERADO CANYON ROAD ALONG ESTABLISHMENT NOTE 4
- 8C ESTABLISHED THE EASTERLY LINE OF LOT 61 OF R16 BY HOLDING RECORD ANGLE OF 82°10'20" PER R16 AT ESTABLISHED NOTE 4 FROM LINE ESTABLISHMENT NOTE 4
- 8D ESTABLISHED THE SOUTHEASTERLY CORNER OF PARCEL 4.1 OF R504 BY INTERSECTION OF LINE ESTABLISHMENT NOTES 4 AND 5
- 8E ESTABLISHED THE NORTHEASTERLY CORNER OF PARCEL 4.1 OF R504 BY HOLDING A RECORD DISTANCE OF 38.00 FEET FROM ESTABLISHMENT NOTE 4 ALONG LINE ESTABLISHMENT NOTE 4
- 8F ESTABLISHED THE SOUTHWESTERLY CORNER OF LOT 61 OF R16 AT ESTABLISHED B.C. OF NORTHERLY RIGHT OF WAY LINE OF SILVERADO CANYON ROAD ALONG ESTABLISHMENT NOTE 4
- 8G ESTABLISHED THE WESTERLY LINE OF LOT 61 OF R16 BY HOLDING RECORD ANGLE OF 128°10'50" PER R16 AT ESTABLISHED NOTE 4 FROM LINE ESTABLISHMENT NOTE 4
- 8H ESTABLISHED THE SOUTHWESTERLY CORNER OF PARCEL 4.1 OF R504 BY INTERSECTION OF LINE ESTABLISHMENT NOTES 4 AND 5
- 8I ESTABLISHED THE NORTHERLY CORNER OF PARCEL 4.1 OF R504 BY DISTANCE-DISTANCE INTERSECTION, 33.99 FEET NW'LY FROM ESTABLISHMENT NOTE 4 AND 60.34 FEET NE'LY FROM ESTABLISHMENT NOTE 4
- 8J ESTABLISHED THE NORTHEASTERLY CORNER OF LOT 65 OF R16 HOLDING A RECORD DISTANCE OF 67.97 FEET PER R16 FROM ESTABLISHMENT NOTE 4 ALONG LINE ESTABLISHMENT NOTE 4
- 8K ESTABLISHED THE NORTHEASTERLY LINE OF LOT 65 OF R16 BY HOLDING RECORD ANGLE OF 101°41'00" PER R16 AT ESTABLISHED NOTE 4 FROM LINE ESTABLISHMENT NOTE 4
- 8L ESTABLISHED THE NORTHWESTERLY CORNER OF LOT 65 OF R16 BY HOLDING A RECORD DISTANCE OF 139.21 FEET PER R16 FROM ESTABLISHMENT NOTE 4 ALONG LINE ESTABLISHMENT NOTE 4
- 8M ESTABLISHED THE SOUTHWESTERLY CORNER OF LOT 65 OF R16 BY HOLDING A RECORD ARC LENGTH OF 144.53 FEET PER R16 FROM ESTABLISHMENT NOTE 4 WESTERLY ALONG NORTHERLY LINE OF ESTABLISHMENT NOTE 4 (C42)
- 8N ESTABLISHED THE WESTERLY LINE OF LOT 65 OF R16 BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTES 4 AND 5
- 8O ESTABLISHED THE NORTHWESTERLY CORNER OF LOT 64 OF R16 BY INTERSECTION OF SOUTHERLY LINE OF ESTABLISHMENT NOTE 4 AND S'LY PROLONGATION OF ESTABLISHMENT NOTE 4
- 8P ESTABLISHED THE SOUTHERLY CORNER OF LOT 64 OF R16 BY HOLDING A RECORD DISTANCE OF 75.98 FEET PER R16 SOUTHERLY FROM ESTABLISHMENT NOTE 4 ALONG S'LY PROLONGATION OF ESTABLISHMENT NOTE 4
- 8Q ESTABLISHED THE NORTHEASTERLY CORNER OF LOT 64 OF R16 AT ESTABLISHED B.C. OF SOUTHERLY RIGHT OF WAY LINE OF SILVERADO CANYON ROAD ALONG ESTABLISHMENT NOTE 4
- 8R ESTABLISHED BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTES 4 AND 5
- 8S ESTABLISHED THE WESTERLY LINE OF PARCEL 3.11 OF R505 BY HOLDING A LINE PARALLEL WITH, AND A RECORD DISTANCE OF 100.00 FEET WESTERLY PER R505 FROM LINE ESTABLISHMENT NOTE 4
- 8T ESTABLISHED THE SOUTHERLY CORNER OF PARCEL 3.11 OF R505 BY INTERSECTION OF LINE ESTABLISHMENT NOTES 4 AND 5 PER R505
- 8U ESTABLISHED CL TANGENT OF SILVERADO CANYON RD BY HOLDING A LINE BETWEEN MONUMENT NOTE 73 AND ESTABLISHMENT NOTE 4
- 8V ESTABLISHED CL TANGENT OF SILVERADO CANYON RD BY HOLDING A LINE BETWEEN MONUMENT NOTE 70 AND ESTABLISHMENT NOTE 4
- 8W ESTABLISHED CL TANGENT OF SILVERADO CANYON RD BY HOLDING A LINE BETWEEN MONUMENT NOTE 71 AND ESTABLISHMENT NOTE 4
- 8X ESTABLISHED REFERENCE LINE TO INCORRECT P.I. #31 PER R105 BY HOLDING A LINE BETWEEN MONUMENT NOTES 70 AND 82
- 8Y ESTABLISHED REFERENCE LINE TO INCORRECT P.I. #31 PER R105 BY HOLDING A LINE BETWEEN MONUMENT NOTES 71 AND 82
- 8Z ESTABLISHED CL TANGENT OF SILVERADO CANYON RD BY HOLDING A LINE BETWEEN MONUMENT NOTES 71 AND 72
- 9A ESTABLISHED CL TANGENT OF SILVERADO CANYON RD BY HOLDING A LINE BETWEEN MONUMENT NOTE 72 AND ESTABLISHMENT NOTE 4
- 9B ESTABLISHED CL TANGENT OF SILVERADO CANYON RD BY HOLDING A LINE BETWEEN MONUMENT NOTE 80 AND ESTABLISHMENT NOTE 4
- 9C ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 400.00' PER R16 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 9D ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 300.00' PER R16 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 9E ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 250.00' PER R16 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 9F ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 300.00' PER R16 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 9G ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 500.00' PER R16 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5

- 9H ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 700.00' PER R16 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 9I ESTABLISHED THE CENTERLINE INTERSECTION OF SILVERADO CANYON ROAD AND SYCAMORE DRIVE BY PROPORTION PER R365 BETWEEN MONUMENT NOTE 72 AND ESTABLISHMENT NOTE 4
- 9J ESTABLISHED THE CENTERLINE OF SYCAMORE DRIVE BY HOLDING RECORD ANGLE OF 81°31'30" PER R31 AT ESTABLISHMENT NOTE 4 FROM LINE ESTABLISHMENT NOTE 4
- 9K ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 83 AND 89
- 9L ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 700.00' PER R16 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 9M S.F.N. ESTABLISHED P.I. #37 OF R105 BY LEAST SQUARE ADJUSTMENT HOLDING RECORD COURSES PER R136 BETWEEN MONUMENT NOTES 83 AND 91
- 9N S.F.N. ESTABLISHED P.I. #38 OF R105 BY LEAST SQUARE ADJUSTMENT HOLDING RECORD COURSES PER R136 BETWEEN MONUMENT NOTES 83 AND 91
- 9O ESTABLISHED AS CENTERLINE TANGENT OF SILVERADO CANYON ROAD PER R136 & R380 BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTE 4 AND MONUMENT NOTE 84
- 9P ESTABLISHED AS CENTERLINE TANGENT OF SILVERADO CANYON ROAD PER R136 & R380 BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTES 4 AND 4
- 9Q ESTABLISHED AS CENTERLINE TANGENT OF SILVERADO CANYON ROAD PER R136 & R380 BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTE 4 AND MONUMENT NOTE 91
- 9R ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 500.00' PER R16 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 9S ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 500.00' PER R16 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 9T ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 500.00' PER R16 AND TANGENT TO LINE ESTABLISHMENTS 4 AND 5
- 9U ESTABLISHED CENTERLINE TANGENT OF SILVERADO CANYON ROAD PER R136 & R380 BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTES 91 AND 92
- 9V S.F.N. ESTABLISHED P.I. #41 OF R141 & R118 BY LEAST SQUARE ADJUSTMENT HOLDING RECORD COURSES PER R118 BETWEEN MONUMENT NOTES 92 AND 93
- 9W S.F.N. ESTABLISHED P.I. #42 OF R141 & R118 BY LEAST SQUARE ADJUSTMENT HOLDING RECORD COURSES PER R118 BETWEEN MONUMENT NOTES 92 AND 93
- 9X ESTABLISHED CENTERLINE TANGENT OF SILVERADO CANYON ROAD PER R136 & R380 BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTE 4 AND MONUMENT NOTE 92
- 9Y ESTABLISHED CENTERLINE TANGENT OF SILVERADO CANYON ROAD PER R136 & R380 BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTES 4 AND 4
- 9Z ESTABLISHED CENTERLINE TANGENT OF SILVERADO CANYON ROAD PER R136 & R380 BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTE 4 AND MONUMENT 93 NOTE
- 0A ESTABLISHED CENTERLINE TANGENT OF SILVERADO CANYON ROAD PER R136 & R380 BY HOLDING A LINE BETWEEN MONUMENT NOTES 93 AND 94
- 0B ESTABLISHED CENTERLINE TANGENT OF SILVERADO CANYON ROAD PER R136 & R380 BY HOLDING A RECORD ANGLE OF 170°37'16" PER R118 AT MONUMENT NOTE 94 FROM LINE ESTABLISHMENT NOTE 4
- 0C S.F.N. ESTABLISHED P.I. #45 OF R141 & R118 BY HOLDING A RECORD DISTANCE OF 189.84' PER R118 FROM MONUMENT NOTE 94 E'LY ALONG LINE ESTABLISHMENT NOTE 4
- 0D ESTABLISHED CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTE 100 AND ESTABLISHMENT NOTE 4
- 0E ESTABLISHED THE CENTERLINE OF "LOT A" OF R6 AS SHOWN ON R118 BY HOLDING A LINE BETWEEN MONUMENT NOTES 73 AND 89

		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
SILVERADO CANYON RD GUARDRAIL PROJECT			
ESTABLISHMENT NOTES			
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.			
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO. 5 of 52	
MAPPING	BY: S. ROBATI		
OFFICE CHECK	BY: J. MORENO, PLS		
FIELD CHECK	BY: J. MORENO		
SCALE: N/A		W.O. #E0212025	FILE #2233PW-CM0013
REVISIONS		FILE: SILVERADO_BOUNDARY_2023.DWG	

ESTABLISHMENT NOTES

- 80 ESTABLISHED THE "SURVEY LINE" SHOWN ON R37 (COURSE N69°03'19"E 535.56') BY HOLDING A LINE BETWEEN MONUMENT NOTES 102 AND 104
- 8C ESTABLISHED CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A RECORD ANGLE OF 170°55'41" PER R37 AT MONUMENT NOTE 102 FROM LINE ESTABLISHMENT NOTE 8
- 8D S.F.N. ESTABLISHED P.I. #48 OF R141 BY HOLDING A RECORD DISTANCE OF 296.03' PER R37 AT MONUMENT NOTE 102 ALONG LINE ESTABLISHMENT NOTE 8
- 8E S.F.N. ESTABLISHED P.I. #47 OF R141 BY LEAST SQUARE ADJUSTMENT HOLDING RECORD COURSES PER R136 BETWEEN MONUMENT NOTE 100 AND ESTABLISHMENT NOTE 8
- 8F ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTE 100 AND ESTABLISHMENT NOTE 8
- 8G ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTES 8 AND 8
- 8H ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 102 AND 103
- 8I ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 103 AND 104
- 8J S.F.N. ESTABLISHED P.I. # 52 OF R141 BY USING GRANT BOUNDARY ADJUSTMENT METHOD HOLDING RECORD COURSES PER R141 BETWEEN MONUMENTS 104 AND 106
- 8K S.F.N. ESTABLISHED P.I. # 53 OF R141 BY USING GRANT BOUNDARY ADJUSTMENT METHOD HOLDING RECORD COURSES PER R141 BETWEEN MONUMENTS 104 AND 106
- 8L ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTE 104 AND ESTABLISHMENT NOTE 8
- 8M ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTES 8 AND 8
- 8N ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTE 8 AND MONUMENT NOTE 106
- 8O ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 300.00' PER R13 AND TANGENT TO LINE ESTABLISHMENTS AND 8
- 8P ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 200.00' PER R13 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8Q ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 500.00' PER R13 AND TANGENT TO LINE ESTABLISHMENTS AND 8
- 8R ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 300.00' PER R13 AND TANGENT TO LINE ESTABLISHMENTS AND 8
- 8S ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 200.00' PER R13 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8T ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 300.00' PER R13 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8U ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 200.00' PER R13 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8V ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 106 AND 107
- 8W ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 300.00' PER R13 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8X S.F.N. ESTABLISHED P.I. #56 OF R141 BY LEAST SQUARE ADJUSTMENT HOLDING RECORD COURSES ALONG SHOWN SILVERADO CANYON ROAD CENTERLINE AND SHOWN "SURVEY LINE" PER R37 BETWEEN MONUMENT NOTES 107 AND 113
- 8Y S.F.N. ESTABLISHED P.I. #57 OF R141 BY LEAST SQUARE ADJUSTMENT HOLDING RECORD COURSES ALONG SHOWN SILVERADO CANYON ROAD CENTERLINE AND SHOWN "SURVEY LINE" PER R37 BETWEEN MONUMENT NOTES 107 AND 113
- 8Z ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTE 8 AND MONUMENT NOTE 107
- 8A ESTABLISHED THE "SURVEY LINE" SHOWN ON R37 (COURSE N63°51'09"W 934.67') BY HOLDING A LINE BETWEEN MONUMENT NOTE 104 AND ESTABLISHMENT NOTE 8C
- 8B ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTES 8 AND 8
- 8C ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 300.00' PER R13 AND TANGENT TO LINE ESTABLISHMENTS AND 8
- 8D ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 113 AND 114
- 8E ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 234.69' PER R15 AND TANGENT TO LINE ESTABLISHMENTS AND 8
- 8F ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 195.52' PER R15 AND TANGENT TO LINE ESTABLISHMENTS AND 8

- 8G ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 123 AND 122
- 8H ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD ANGLE OF 160°00'58" PER R367 AT MONUMENT NOTE 122 FROM LINE ESTABLISHMENT NOTE 8
- 8I S.F.N. ESTABLISHED THE CENTERLINE E.C. OF SILVERADO CANYON ROAD BY HOLDING A RECORD DISTANCE OF 381.20" PER R367 AT MONUMENT NOTE 122 ALONG LINE ESTABLISHMENT NOTE 8
- 8J ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 280.00' PER R15 AT ESTABLISHMENT NOTE 8 (E.C.) SOUTHWESTERLY AND TANGENT TO LINE ESTABLISHMENT 8
- 8K ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 257.00' PER R15 AND TANGENT TO LINE ESTABLISHMENT 8 AND CURVE ESTABLISHMENT 8
- 8L ESTABLISHED THE CENTERLINE INTERSECTION OF SILVERADO CANYON ROAD AND OAK LANE BY PROPORTION PER R15 BETWEEN ESTABLISHMENT NOTE 8 AND ESTABLISHED CENTERLINE P.R.C. OF SILVERADO CANYON ROAD USING RECORD DELTA ANGLES DUE TO APPARENT MATHEMATICAL ERRORS IN ARC LENGTHS
- 8M ESTABLISHED THE CENTERLINE OF OAK LANE BY HOLDING A CALCULATED RECORD ANGLE OF 54°11'55" PER R15 AT ESTABLISHMENT NOTE 8 FROM RADIAL LINE AT ESTABLISHMENT NOTE 8
- 8N ESTABLISHED THE RECORDED RADIAL LINE BY PROPORTION PER R15 BETWEEN ESTABLISHED CENTERLINE P.R.C. AND B.C. (RADIUS=257') OF SILVERADO CANYON ROAD USING RECORD DELTA ANGLES
- 8O ESTABLISHED BY INTERSECTION OF ESTABLISHMENT NOTES 8 AND 8
- 8P ESTABLISHED THE SE'LY LINE OF LOT "A" OF R15 BY HOLDING A RECORD ANGLE OF 90°00'00" PER R15 AT ESTABLISHMENT NOTE 8 FROM LINE ESTABLISHMENT NOTE 8
- 8Q ESTABLISHED THE SW'LY LINE OF LOT "A" OF R15 BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 10 FEET PER R15 SW'LY FROM THE LINE ESTABLISHMENT NOTE 8
- 8R ESTABLISHED THE SE'LY LINE OF LOT "A" OF R15 BY HOLDING A RECORD RADIUS OF 212.02' PER R15 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8S ESTABLISHED THE NE'LY RIGHT OF WAY OF OAK LANE BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 10 FEET PER R15 NE'LY FROM THE LINE ESTABLISHMENT NOTE 8
- 8T ESTABLISHED THE E'LY LINE OF LOT "A" OF R15 BY HOLDING A RECORD RADIUS OF 11.39' PER R15 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8U ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 263.63' PER R15 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8V ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 123 AND 124
- 8W ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 399.60' PER R15 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8X ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 124 AND 125
- 8Y ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 354.77' PER R15 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8Z S.F.N. ESTABLISHED P.I. # 66 OF R141 BY LEAST SQUARES ADJUSTMENT HOLDING RECORD COURSES PER R1 BETWEEN MONUMENTS 126 AND 128
- 8A S.F.N. ESTABLISHED P.I. # 67 OF R141 BY LEAST SQUARES ADJUSTMENT HOLDING RECORD COURSES PER R1 BETWEEN MONUMENTS 126 AND 128
- 8B S.F.N. ESTABLISHED P.I. # 68 OF R141 BY LEAST SQUARES ADJUSTMENT HOLDING RECORD COURSES PER R1 BETWEEN MONUMENTS 126 AND 128
- 8C ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD AND ITS NW'LY PROLONGATION BY HOLDING A LINE BETWEEN MONUMENT 126 AND ESTABLISHMENT NOTE 8
- 8D S.F.N. ESTABLISHED P.I. # 65 OF R141 BY HOLDING A POINT ALONG LINE ESTABLISHMENT 8. A RECORD DISTANCE OF 412.95 FEET PER R141 SE'LY FROM MONUMENT NOTE 125
- 8E ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTE 125 AND ESTABLISHMENT NOTE 8
- 8F ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 707.72' PER R15 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8G ESTABLISHED THE CENTERLINE INTERSECTION OF SILVERADO CANYON ROAD AND OAK LANE BY PROPORTION PER R15 BETWEEN MONUMENT NOTE 125 AND ESTABLISHMENT NOTE 8
- 8H ESTABLISHED THE CENTERLINE OF OAK LANE BY HOLDING A CALCULATED RECORD ANGLE OF 64°24' PER R15 AT ESTABLISHMENT NOTE 8 FROM LINE ESTABLISHMENT NOTE 8
- 8I ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 489.34' PER R15 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8J ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTES 8 AND 8

- 8K ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 100.00' PER R17 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8L ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTES 8 AND 8
- 8M ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTE 8 AND MONUMENT NOTE 128
- 8N ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 150.00' PER R17 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8O ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 228.36' PER R17 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8P ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 128 AND 129
- 8Q ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 386.45' PER R17 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8R ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING MONUMENT NOTE 129 AS P.I. OF CURVE AND A RECORD RADIUS OF 124.95' PER R17. ALSO TANGENT TO LINE ESTABLISHMENT 8
- 8S ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD SE'LY AS A REVERSE CURVE TO ESTABLISHMENT NOTE 8 BY HOLDING A RECORD RADIUS OF 120.00' PER R17 AS A COMPOUND CURVE TO ESTABLISHMENT NOTE 8
- 8T ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 278.83' PER R17 AND TANGENT TO CURVE ESTABLISHMENT 8
- 8U ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTE 129 AND TANGENT TO CURVE ESTABLISHMENTS 8 AND 8
- 8V ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTE 130 AND TANGENT TO CURVE ESTABLISHMENTS 8 AND 8
- 8W ESTABLISHED CENTERLINE P.I. OF SILVERADO CANYON ROAD BY INTERSECTION OF LINE ESTABLISHMENTS 8 AND 8
- 8X ESTABLISHED THE CENTERLINE INTERSECTION OF SILVERADO CANYON ROAD TANGENT AND NAECO WAY BY PROPORTION PER R17 BETWEEN MONUMENT NOTE AND 129 ESTABLISHMENT NOTE 8
- 8Y ESTABLISHED THE CENTERLINE OF NAECO WAY BY HOLDING A CALCULATED RECORD ANGLE OF 63°03' PER R15 AT ESTABLISHMENT NOTE 8 FROM LINE ESTABLISHMENT NOTE 8
- 8Z ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTE 130 AND TANGENT TO CURVE ESTABLISHMENT AND 8
- 8A S.F.N. ESTABLISHED P.I. # 72 OF R141 BY HOLDING A POINT ALONG LINE ESTABLISHMENT 8. A RECORD DISTANCE OF 178.58 FEET SW'LY FROM MONUMENT NOTE 132
- 8B ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTE 132 AND ESTABLISHMENT NOTE 8
- 8C ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 132 AND 133
- 8D ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 300.00' PER R17 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8E ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 150.00' PER R17 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8F ESTABLISHED THE MOST WESTERLY CORNER OF LOT 20 OF R17 BY PROPORTION PER R17 BETWEEN ESTABLISHED P.R.C AND P.C.C. OF A PORTION OF CURVE ESTABLISHMENT 8 HAVING A RECORD RADIUS OF 100.00'
- 8G ESTABLISHED THE MOST NORTHERLY CORNER OF LOT 20 OF R17 BY HOLDING A RECORD DISTANCE OF 86.35 FEET PER R17 FROM ESTABLISHMENT NOTE 8 ALONG A RADIAL LINE PASSING THROUGH MONUMENT NOTE 133
- 8H ESTABLISHED THE N'LY LINE OF LOT 20 OF R17 BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTES 8 AND 8
- 8I ESTABLISHED THE MOST N'LY CORNER OF A PARCEL DESCRIBED IN R506 BY HOLDING A RECORD DELTA ANGLE OF 31°38'00" PER R506 FROM P.R.C. NORTHWESTERLY ALONG THAT PORTION OF CURVE ESTABLISHMENT 8 WITH RADIUS OF 144.95'. SEE CURVE TABLE (C101).
- 8J ESTABLISHED THE NE'LY LINE OF A PARCEL DESCRIBED IN R506 AND N'LY RIGHT OF WAY LINE OF SILVERADO CANYON ROAD BY HOLDING TANGENCY AT ESTABLISHMENT NOTE 8 TO CURVE ESTABLISHMENT NOTE 8
- 8K ESTABLISHED THE MOST E'LY CORNER OF A PARCEL DESCRIBED IN R506 BY INTERSECTION OF ESTABLISHMENT NOTES 8 AND 8
- 8L ESTABLISHED THE N'LY RIGHT OF WAY OF NAECO WAY BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 15 FEET PER R17 NW'LY FROM THE LINE ESTABLISHMENT NOTE 8
- 8M ESTABLISHED THE S'LY RIGHT OF WAY OF NAECO WAY BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 15 FEET PER R17 SE'LY FROM THE LINE ESTABLISHMENT NOTE 8
- 8N ESTABLISHED THE RIGHT OF WAY OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 15.00 FEET PER R17 AND TANGENT TO ESTABLISHMENTS 8 AND 8

- 8O ESTABLISHED THE RIGHT OF WAY OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 50.00 FEET PER R17 AND TANGENT TO ESTABLISHMENTS 8 AND 8
- 8P ESTABLISHED THE CENTERLINE INTERSECTION OF SILVERADO CANYON ROAD AND BELHA WAY BY PROPORTION PER R17 BETWEEN MONUMENT NOTES 132 AND 133
- 8Q ESTABLISHED THE CENTERLINE OF BELHA WAY BY HOLDING RECORD ANGLE OF 82°51'00" PER R17 AT ESTABLISHMENT NOTE 8 FROM LINE ESTABLISHMENT NOTE 8
- 8R ESTABLISHED THE CENTERLINE INTERSECTION OF SILVERADO CANYON ROAD AND HAFRA WAY BY PROPORTION PER R17 BETWEEN MONUMENT NOTES 132 AND 133
- 8S ESTABLISHED THE CENTERLINE OF HAFRA WAY BY HOLDING A CALCULATED RECORD ANGLE OF 44°13'15" PER R17 AT ESTABLISHMENT NOTE 8 FROM LINE ESTABLISHMENT NOTE 8
- 8T ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 133 AND 135
- 8U ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 135 AND 142
- 8V ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 300.00' PER R17 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8W ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 500.00' PER R17 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8X ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 142 AND 143
- 8Y ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 500.00' PER R503 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8Z S.F.N. ESTABLISHED P.I. #78 OF R141 & R39 BY DISTANCE-DISTANCE INTERSECTION PER R141, 221.486 FEET NE'LY FROM MONUMENT NOTE 143 AND 205.824 FEET FROM MONUMENT NOTE 145
- 8A ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTE 143 AND ESTABLISHMENT NOTE 8
- 8B ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTE 143 AND ESTABLISHMENT NOTE 8
- 8C ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 1000.00' PER R503 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8D S.F.N. ESTABLISHED P.I. #80 OF R39 BY LEAST SQUARE ADJUSTMENT HOLDING RECORD COURSES PER R39 BETWEEN MONUMENT NOTES 145 AND 148
- 8E S.F.N. ESTABLISHED P.I. #81 OF R39 BY LEAST SQUARE ADJUSTMENT HOLDING RECORD COURSES PER R39 BETWEEN MONUMENT NOTES 145 AND 148
- 8F S.F.N. ESTABLISHED P.I. #82 OF R39 BY LEAST SQUARE ADJUSTMENT HOLDING RECORD COURSES PER R39 BETWEEN MONUMENT NOTES 145 AND 148
- 8G ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTE 145 AND ESTABLISHMENT NOTE 8
- 8H ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTES 8 AND 8
- 8I ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTES 8 AND 8
- 8J ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN ESTABLISHMENT NOTE 8 AND MONUMENT NOTE 148
- 8K ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 1000.00' PER R503 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8L ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 500.00' PER R503 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8
- 8M ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 1000.00' PER R503 AND TANGENT TO LINE ESTABLISHMENTS 8 AND 8

		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
SILVERADO CANYON RD GUARDRAIL PROJECT			
ESTABLISHMENT NOTES			
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.			
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO. 6 of 52	
MAPPING	BY: S. ROBATI		
OFFICE CHECK	BY: J. MORENO, PLS		
FIELD CHECK	BY: J. MORENO		
SCALE: N/A	W.O. #E0212025	FILE #2223PW-CM0013	
MARK	DATE	ITEM	REVISIONS

ESTABLISHMENT NOTES

- Ⓜ ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 200.00' PER R503 AND TANGENT TO LINE ESTABLISHMENTS Ⓜ AND Ⓜ
- Ⓝ ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 500.00' PER R503 AND TANGENT TO LINE ESTABLISHMENTS Ⓝ AND Ⓝ
- Ⓟ ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 148 AND 149
- Ⓡ ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A RECORD RADIUS OF 250.00' PER R503 AND TANGENT TO LINE ESTABLISHMENTS Ⓡ AND Ⓡ
- Ⓢ ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 149 AND 150
- Ⓣ ESTABLISHED THE CENTERLINE TANGENT OF SILVERADO CANYON ROAD BY HOLDING A RECORD ANGLE OF 159°14'36" PER R136 AT MONUMENT NOTE 150 FROM LINE ESTABLISHMENT Ⓣ
- Ⓤ S.F.N. ESTABLISHED P.I. #86 OF R141 BY HOLDING A RECORD DISTANCE OF 141.47 FEET FROM MONUMENT NOTE 150 ALONG LINE ESTABLISHMENT Ⓤ
- Ⓥ ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD DESCRIBED IN R503 AND THE CENTERLINE OF THE SIXTY (60) FEET IN WIDTH STRIP DESIGNATED AS "RESERVED FOR COUNTY ROAD" BY HOLDING A LINE BETWEEN MONUMENT NOTE 151 AND ESTABLISHMENT NOTE Ⓥ
- Ⓦ S.F.N. ESTABLISHED P.I. #88 OF R141 BY DISTANCE-DISTANCE INTERSECTION, 310.53 FEET NE'LY FROM MONUMENT NOTE 151 AND 332.49 FEET SW'LY FROM MONUMENT NOTE 162 PER R117
- Ⓧ ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTE 151 AND ESTABLISHMENT NOTE Ⓧ
- Ⓨ ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTE 162 AND ESTABLISHMENT NOTE Ⓨ
- Ⓩ ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 162 AND 163
- ⓐ ESTABLISHED THE CENTERLINE OF SILVERADO CANYON ROAD BY HOLDING A LINE BETWEEN MONUMENT NOTES 163 AND 165

ESTABLISHMENT NOTES

- ⓐ ESTABLISHED THE RIGHT OF WAY OF SILVERADO CANYON ROAD BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 30 FEET PER R502 N'LY & S'LY FROM THE ESTABLISHED CENTERLINE OF SILVERADO CANYON ROAD
- Ⓡ ESTABLISHED THE RIGHT OF WAY OF SILVERADO CANYON ROAD BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 30 FEET PER R500 N'LY & S'LY FROM THE ESTABLISHED CENTERLINE OF SILVERADO CANYON ROAD
- Ⓢ ESTABLISHED THE RIGHT OF WAY OF SILVERADO CANYON ROAD BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 30 FEET PER R501 N'LY & S'LY FROM THE ESTABLISHED CENTERLINE OF SILVERADO CANYON ROAD
- Ⓣ ESTABLISHED N'Y & S'LY LINES OF 60 FOOT RESERVED ROAD SHOWN ON R3 BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 30 FEET PER R3 N'LY & S'LY FROM LINE ESTABLISHMENT NOTE Ⓣ
- Ⓤ ESTABLISHED N'Y & S'LY LINES OF 60 FOOT RESERVED ROAD SHOWN ON R3 BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 30 FEET PER R3 N'LY & S'LY FROM ESTABLISHMENT NOTE Ⓤ
- Ⓥ ESTABLISHED THE RIGHT OF WAY OF SILVERADO CANYON ROAD BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 20 FEET PER R382, AS SHOWN A PORTION OF IT WITHIN SECTION 8, T5S, R7W, S.B.M. ON R340 N'LY & S'LY FROM THE ESTABLISHED CENTERLINE OF SILVERADO CANYON ROAD
- Ⓦ ESTABLISHED THE RIGHT OF WAY OF SILVERADO CANYON ROAD BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 20 FEET PER R16 N'LY & S'LY FROM THE ESTABLISHED CENTERLINE OF SILVERADO CANYON ROAD
- Ⓧ ESTABLISHED THE RIGHT OF WAY OF SILVERADO CANYON ROAD BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 20 FEET PER R13 N'LY & S'LY FROM THE ESTABLISHED CENTERLINE OF SILVERADO CANYON ROAD
- Ⓨ ESTABLISHED THE SW'LY RIGHT OF WAY OF SILVERADO CANYON ROAD BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 20 FEET PER R342 SW'LY FROM THE ESTABLISHED CENTERLINE OF SILVERADO CANYON ROAD
- Ⓩ ESTABLISHED THE NE'LY RIGHT OF WAY OF SILVERADO CANYON ROAD BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 20 FEET PER R12 NE'LY FROM THE ESTABLISHED CENTERLINE OF SILVERADO CANYON ROAD
- ⓐ ESTABLISHED THE N'LY RIGHT OF WAY OF SILVERADO CANYON ROAD BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 20 FEET PER R15 N'LY FROM THE ESTABLISHED CENTERLINE OF SILVERADO CANYON ROAD
- Ⓡ ESTABLISHED THE S'LY RIGHT OF WAY OF SILVERADO CANYON ROAD BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 20 FEET PER R15 S'LY FROM THE ESTABLISHED CENTERLINE OF SILVERADO CANYON ROAD
- Ⓢ ESTABLISHED THE N'LY RIGHT OF WAY OF SILVERADO CANYON ROAD BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 20 FEET PER R17 N'LY FROM THE ESTABLISHED CENTERLINE OF SILVERADO CANYON ROAD
- Ⓣ ESTABLISHED THE S'LY RIGHT OF WAY OF SILVERADO CANYON ROAD BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 20 FEET PER R17 S'LY FROM THE ESTABLISHED CENTERLINE OF SILVERADO CANYON ROAD
- Ⓤ ESTABLISHED THE S'LY RIGHT OF WAY OF SILVERADO CANYON ROAD BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 20 FEET PER R503 S'LY FROM THE ESTABLISHED CENTERLINE OF SILVERADO CANYON ROAD
- Ⓥ ESTABLISHED THE N'LY RIGHT OF WAY OF SILVERADO CANYON ROAD BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 20 FEET PER R503 N'LY FROM THE ESTABLISHED CENTERLINE OF SILVERADO CANYON ROAD
- Ⓦ ESTABLISHED THE N'LY LINE OF THAT SIXTY (60) FEET IN WIDTH STRIP OF LAND DESIGNATED AS "RESERVED FOR COUNTY ROAD" ON MAP TRACT 691 M.M. 20/37-39 (R2) OR N'LY RIGHT OF WAY OF SILVERADO CANYON ROAD AS SHOWN ON R117 BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 30 FEET PER R2 N'LY FROM THE ESTABLISHED CENTERLINE OF SILVERADO CANYON ROAD
- Ⓧ ESTABLISHED THE N'LY LINE OF THAT SIXTY (60) FEET IN WIDTH STRIP OF LAND DESIGNATED AS "RESERVED FOR COUNTY ROAD" ON MAP TRACT 691 M.M. 20/37-39 (R2) OR N'LY RIGHT OF WAY OF SILVERADO CANYON ROAD AS SHOWN ON R126 BY HOLDING A COURSE PARALLEL WITH, AND A RECORD DISTANCE OF 30 FEET PER R2 N'LY FROM THE ESTABLISHED CENTERLINE OF SILVERADO CANYON ROAD

ESTABLISHMENT NOTES

- ⓐ S.F.N. ESTABLISHED P.I. # 3 OF R141 BY INTERSECTION OF LINE ESTABLISHMENTS ⓐ AND ⓐ
- Ⓡ S.F.N. ESTABLISHED P.I. # 11 OF R141 BY INTERSECTION OF LINE ESTABLISHMENTS Ⓡ AND Ⓡ
- Ⓢ ESTABLISHED THE INTERSECTION OF WESTERLY PROLONGATION OF SILVERADO CANYON ROAD CENTERLINE AND BLACK STAR CANYON ROAD CENTERLINE BY PROPORTION BETWEEN MONUMENT NOTES 5 AND 6 PER R106
- Ⓣ S.F.N. ESTABLISHED P.I. # 5 OF R141 BY USING GRANT BOUNDARY ADJUSTMENT METHOD HOLDING RECORD COURSES PER R141 BETWEEN MONUMENTS 13 AND 16 PER R141
- Ⓤ ESTABLISHED THE INTERSECTION OF SOUTHERLY LINE OF SECTION 8, T5S, R7W, S.B.M. AND SOUTHERLY PROLONGATION OF WESTERLY LINE OF TRACT 873 BY HOLDING A RECORD DISTANCE OF 124.2' PER R56, AS SHOWN ON R109 FROM MONUMENT NOTE 53 E'LY ALONG ESTABLISHMENT NOTE Ⓤ
- Ⓥ ESTABLISHED THE INTERSECTION OF CENTERLINE OF 60 FOOT WIDE RESERVED ROAD AS SHOWN ON TRACT 873 M.M. 30/24 (R8) AND WESTERLY LINE OF SAID TRACT AS DESCRIBED IN ESTABLISHMENT NOTE Ⓥ BY HOLDING A RECORD DISTANCE OF 30.33' PER R8, AS SHOWN ON R56, SOUTHERLY FROM MONUMENT NOTE 52 ALONG SAID WESTERLY LINE.
- Ⓦ ESTABLISHED THE CENTERLINE E.C. OF SILVERADO CANYON ROAD BY HOLDING A RECORD DISTANCE OF 53.46 FEET PER R501 FROM ESTABLISHMENT NOTE Ⓦ ALONG LINE ESTABLISHMENT NOTE Ⓦ. POINT HAS BEEN DESCRIBED AT A DISTANT OF 53.46 FEET ALONG CENTERLINE OF A 60 FOOT WIDE RESERVED ROAD AS SHOWN ON TRACT 873 M.M. 30/24 (R8) FROM THE WEST LINE OF SAID TRACT
- Ⓧ ESTABLISHED THE CENTERLINE INTERSECTION OF SILVERADO CANYON ROAD AND LADD CANYON ROAD BY PROPORTION BETWEEN MONUMENT NOTES 58 AND 67 PER R365
- Ⓨ ESTABLISHED THE CENTERLINE INTERSECTION OF SILVERADO CANYON ROAD AND THIS A WAY BY HOLDING A POINT ALONG ESTABLISHMENT NOTE Ⓨ PERPENDICULAR TO MONUMENT NOTE 58
- Ⓩ S.F.N. ESTABLISHED P.I. # 23A OF R144 BY HOLDING RECORD DISTANCE OF 6.09' PER R144 FROM MONUMENT NOTE 62 ALONG LINE ESTABLISHMENT NOTE Ⓩ
- ⓐ S.F.N. ESTABLISHED RANDOM POINT OF R144 PAGE 254, BY DISTANCE-DISTANCE INTERSECTION, 304.56' NE'LY FROM ESTABLISHMENT NOTE ⓐ AND 223.86' NW'LY FROM MONUMENT NOTE 63 PER R144
- Ⓡ S.F.N. ESTABLISHED ONE ALTERNATIVE P.I. #24 POSITION SHOWN ON R144 DESCRIBED AS "P.I.#24 PER ANGLE TB 100-58" BY HOLDING RECORD ANGLE OF 152°12'30" PER R329
- Ⓢ S.F.N. ESTABLISHED P.I. #27 OF R144 BY USING FOUND TIES PER R144 (SEE DETAIL "A" ON SHEET 21)
- Ⓣ ESTABLISHED BY HOLDING RECORD DISTANCE OF 17.57 PER R504 FEET FROM ESTABLISHED CENTERLINE B.C. OF SILVERADO CANYON ROAD SE'LY ALONG LINE ESTABLISHMENT NOTE Ⓣ
- Ⓤ ESTABLISHED THE TRUE POINT OF BEGINNING OF A CENTERLINE DESCRIBED IN PARCEL 4 OF R504 BY HOLDING RECORD DISTANCE OF 10.00 FEET PER R504 FROM ESTABLISHMENT NOTE Ⓤ SW'LY AND PERPENDICULAR TO LINE ESTABLISHMENT NOTE Ⓤ
- Ⓥ ESTABLISHED P.I. # 29 OF R144 BY LEAST SQUARE ADJUSTMENT HOLDING RECORD ANGLES AND DISTANCES PER R144 BETWEEN MONUMENT NOTES 69 AND 74
- Ⓦ S.F.N. ESTABLISHED P.I. #31 OF R144 BY USING FOUND TIES PER R151 (SEE DETAIL "D" ON SHEET 21)
- Ⓧ S.F.N. ESTABLISHED P.I. #34 OF R144 & R105 BY USING TANGENT TIES PER R105 & R151. (SEE DETAIL "E" ON SHEET 21)

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		SILVERADO CANYON RD GUARDRAIL PROJECT	
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		PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.	
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO. 7 of 52	
MAPPING	BY: S. ROBATI		
OFFICE CHECK	BY: J. MORENO, PLS		
FIELD CHECK	BY: J. MORENO		
MARK	DATE	ITEM	REVISIONS
		SCALE: N/A	W.O. #E0212025
		FILE: #2223PW-CM0013	FILE: SILVERADO_BOUNDARY_2023.DWG

REFERENCES

R1 TRACT MAP NO. 484 M.M. 16/46
R2 TRACT MAP NO. 691 M.M. 20/37-39
R3 TRACT MAP NO. 699 M.M. 21/16
R4 TRACT MAP NO. 725 M.M. 21/36
R5 TRACT MAP NO. 848 M.M. 25/49-50
R6 TRACT MAP NO. 943 M.M. 29/38
R7 TRACT MAP NO. 792 M.M. 29/50
R8 TRACT MAP NO. 873 M.M. 30/24
R9 TRACT MAP NO. 956 M.M. 30/37
R10 TRACT MAP NO. 957 M.M. 30/38
R11 TRACT MAP NO. 954 M.M. 30/39
R12 TRACT MAP NO. 984 M.M. 31/39
R13 TRACT MAP NO. 987 M.M. 31/43-44
R14 TRACT MAP NO. 980 M.M. 32/20
R15 TRACT MAP NO. 996 M.M. 33/3-6
R16 TRACT MAP NO. 997 M.M. 33/22
R17 TRACT MAP NO. 1167 M.M. 36/41-42
R18 TRACT MAP NO. 1180 M.M. 36/49
R30 PARCEL MAP P.M.B. 4/10
R31 PARCEL MAP P.M.B. 18/37
R32 PARCEL MAP P.M.B. 5/20
R33 PARCEL MAP P.M.B. 11/31
R34 PARCEL MAP P.M.B. 19/16
R35 PARCEL MAP P.M.B. 38/11
R36 PARCEL MAP P.M.B. 157/22-23
R37 PARCEL MAP NO. 81-148 BK. 180 , PGS. 5-6
R38 PARCEL MAP NO. 79-171 BK. 195 , PGS. 44-45
R39 PARCEL MAP NO. 83-108 BK. 212 , PGS. 7-9
R40 PARCEL MAP NO. 84-117 BK. 261 , PGS. 5-7
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R51 RECORD OF SURVEY, R.S.B. 17/18
R52 RECORD OF SURVEY, R.S.B. 2/50
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R62 RECORD OF SURVEY, R.S.B. 6/4
R63 RECORD OF SURVEY, R.S.B. 6/11
R64 RECORD OF SURVEY, R.S.B. 7/30
R65 RECORD OF SURVEY, R.S.B. 7/45
R66 RECORD OF SURVEY, R.S.B. 10/25
R67 RECORD OF SURVEY, R.S.B. 10/37
R68 RECORD OF SURVEY, R.S.B. 11/47
R69 RECORD OF SURVEY, R.S.B. 12/2
R70 RECORD OF SURVEY, R.S.B. 15/6
R71 RECORD OF SURVEY, R.S.B. 15/22
R72 RECORD OF SURVEY, R.S.B. 15/23
R73 RECORD OF SURVEY, R.S.B. 15/42
R74 RECORD OF SURVEY, R.S.B. 16/1
R75 RECORD OF SURVEY, R.S.B. 16/15
R76 RECORD OF SURVEY, R.S.B. 19/23
R77 RECORD OF SURVEY, R.S.B. 21/36
R78 RECORD OF SURVEY, R.S.B. 33/28
R79 RECORD OF SURVEY, R.S.B. 39/39
R80 RECORD OF SURVEY, R.S.B. 40/47
R81 RECORD OF SURVEY, R.S.B. 73/2
R82 RECORD OF SURVEY, R.S.B. 81/18
R83 RECORD OF SURVEY, R.S.B. 82/19
R84 RECORD OF SURVEY, R.S.B. 90/33-42
R85 RECORD OF SURVEY, R.S.B. 97/28
R86 RECORD OF SURVEY, R.S.B. 98/31
R87 RECORD OF SURVEY, R.S.B. 98/49
R88 RECORD OF SURVEY 79-1114, R.S.B. 100/34

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R89 RECORD OF SURVEY 79-1162, R.S.B. 101/30-34
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R91 RECORD OF SURVEY 82-1133, R.S.B. 106/5-11
R92 RECORD OF SURVEY 86-1094, R.S.B. 116/26
R93 RECORD OF SURVEY 87-1052, R.S.B. 118/10
R94 RECORD OF SURVEY 88-1010, R.S.B. 119/24
R95 RECORD OF SURVEY 89-1116, R.S.B. 123/14
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R97 RECORD OF SURVEY 89-1182, R.S.B. 125/24
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R101 RECORD OF SURVEY 89-1048, R.S.B. 127/5
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R105 RECORD OF SURVEY 93-1052, R.S.B. 145/13
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R108 RECORD OF SURVEY 97-1079, R.S.B. 173/1-10
R109 RECORD OF SURVEY 2000-1045, R.S.B. 183/5-7
R110 RECORD OF SURVEY 2001-1032, R.S.B. 187/41-42
R111 RECORD OF SURVEY 2001-1099, R.S.B. 189/48
R112 RECORD OF SURVEY 2002-1077, R.S.B. 193/30
R113 RECORD OF SURVEY 2003-1078, R.S.B. 185/49
R114 RECORD OF SURVEY 2004-1010, R.S.B. 199/21
R115 RECORD OF SURVEY 2004-1013, R.S.B. 199/22
R116 RECORD OF SURVEY 2003-1088, R.S.B. 200/44
R117 RECORD OF SURVEY 2004-1045, R.S.B. 201/45
R118 RECORD OF SURVEY 2006-1215, R.S.B. 225/2-8
R119 RECORD OF SURVEY 2009-1054, R.S.B. 235/25
R120 RECORD OF SURVEY 2008-1111, R.S.B. 235/48
R121 RECORD OF SURVEY 2010-1044, R.S.B. 239/46-49
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R126 RECORD OF SURVEY 2016-1031, R.S.B. 293/13-15
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R131 ALIGNMENT NOTE A/NE-IRV/106-167
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R162 CORNER RECORD 2001-1099
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R164 CORNER RECORD 2001-1101
R165 CORNER RECORD 2003-0786
R166 CORNER RECORD 2003-0617
R167 CORNER RECORD 2003-0612
R168 CORNER RECORD 2003-0613
R169 CORNER RECORD 2003-0618
R170 CORNER RECORD 2003-0619
R171 CORNER RECORD 2003-0616
R172 CORNER RECORD 2003-0614
R173 CORNER RECORD 2003-0615
R174 CORNER RECORD 2003-0788
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R188 CORNER RECORD 2019-2474
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R230 CORNER RECORD 2019-0893
R231 CORNER RECORD 2019-0919
R232 CORNER RECORD 2019-0964

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R233 CORNER RECORD 2019-0887
R234 CORNER RECORD 2019-0896
R235 CORNER RECORD 2019-0903
R236 CORNER RECORD 2019-0921
R237 CORNER RECORD 2018-1460
R238 CORNER RECORD 2018-1481
R239 CORNER RECORD 2018-1455
R240 CORNER RECORD 2018-1465
R241 CORNER RECORD 2018-1466
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R244 CORNER RECORD 2018-1463
R245 CORNER RECORD 2018-1468
R246 CORNER RECORD 2018-1479
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R248 CORNER RECORD 2018-1456
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R250 CORNER RECORD 2018-1459
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R264 CORNER RECORD 2018-2793
R265 CORNER RECORD 2018-2794
R266 CORNER RECORD 2018-2789
R267 CORNER RECORD 2018-2792
R268 CORNER RECORD 2018-2795
R269 CORNER RECORD 2018-2799
R270 CORNER RECORD 2018-2813
R271 CORNER RECORD 2018-2802
R272 CORNER RECORD 2018-2790
R273 CORNER RECORD 2018-2815
R274 CORNER RECORD 2018-2791
R275 CORNER RECORD 2018-2814
R276 CORNER RECORD 2018-2803
R277 CORNER RECORD 2018-2805
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R279 CORNER RECORD 2018-2798
R280 CORNER RECORD 2018-2806
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R283 CORNER RECORD 2018-2812
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R285 CORNER RECORD 2018-2809
R286 CORNER RECORD 2018-2801
R287 CORNER RECORD 2018-2804
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R289 CORNER RECORD 2018-2797
R290 CORNER RECORD 2018-2808
R291 CORNER RECORD 0117
R292 CORNER RECORD 2014-3368
R293 CORNER RECORD 0129
R294 CORNER RECORD 2019-1091
R295 CORNER RECORD 2019-1090
R300 COUNTY SURVEYOR TIE BOOK 100/0
R301 COUNTY SURVEYOR TIE BOOK 100/1-16
R302 COUNTY SURVEYOR TIE BOOK 100/17-21
R303 COUNTY SURVEYOR TIE BOOK 100/22
R304 COUNTY SURVEYOR TIE BOOK 100/23-27
R305 COUNTY SURVEYOR TIE BOOK 100/28-31

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R306 COUNTY SURVEYOR TIE BOOK 99/26-29
R307 COUNTY SURVEYOR TIE BOOK 101/47-55
R308 COUNTY SURVEYOR TIE BOOK 100/52
R309 COUNTY SURVEYOR TIE BOOK 100/56
R310 COUNTY SURVEYOR TIE BOOK 101/57-63
R311 COUNTY SURVEYOR TIE BOOK 100/71-73
R312 COUNTY SURVEYOR TIE BOOK 100/74-76
R313 COUNTY SURVEYOR TIE BOOK 134/3-6
R314 COUNTY SURVEYOR TIE BOOK 134/9
R315 COUNTY SURVEYOR TIE BOOK 134/77
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R317 COUNTY SURVEYOR TIE BOOK 148/36
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R360 ORANGE COUNTY TOPOGRAPHIC SURVEY 3800-220
R361 ORANGE COUNTY TOPOGRAPHIC SURVEY R93-35
R364 ORANGE COUNTY TOPOGRAPHIC SURVEY 1112PW-RD560003
R365 ORANGE COUNTY TOPOGRAPHIC SURVEY 1314PW-RD0008
R366 ORANGE COUNTY TOPOGRAPHIC SURVEY 55C-0174
R367 ORANGE COUNTY TOPOGRAPHIC SURVEY 55C-0177
R368 ORANGE COUNTY TOPOGRAPHIC SURVEY 55C-0175
R369 ORANGE COUNTY TOPOGRAPHIC SURVEY 1617PQ-RD0003
R370 ORANGE COUNTY TOPOGRAPHIC SURVEY 1920PW-OP0011
R371 ORANGE COUNTY TOPOGRAPHIC SURVEY 1920PW-IN0024
R380 ROW MAP 1931
R381 ROW MAP 1932
R382 ROW MAP 1934
R383 ROW MAP 1946
R500 ROAD DEED 562/231 O.R.
R501 ROAD DEED 786/310 O.R.
R502 DEED 6252-962 O.R.
R503 ROAD DEED 1430-595 O.R.
R504 GRANT DEED 8198 B9798-P937-940
R505 GRANT DEED 8199 B9798-P941-944
R506 DEED 1478-189 O.R.
R600 MONUMENT RECORD 6652
R601 MONUMENT RECORD 6749R1

COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
SILVERADO CANYON RD GUARDRAIL PROJECT			
REFERENCES			
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.			
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO. 8 of 52	
MAPPING	BY: S. ROBATI		
OFFICE CHECK	BY: J. MORENO, PLS	REVISIONS	
FIELD CHECK	BY: J. MORENO		
SCALE: N/A	W.O. #E0212025	FILE #2223PW-CM0013	
FILE: SILVERADO_BOUNDARY_2023.DWG			

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L1	N56°48'32"E	15.62'	---
L2	N49°57'35"W	93.94'	(93.17' R500)
L3	N59°48'02"W	38.36'	(38.36' R500)
L4	N45°30'24"W	66.82'	(66.82' R500)
L5	N84°11'46"E	6.98'	(6.82' R500) (6.99' R366) (6.85' R92)
L6	N74°31'14"W	57.77'	(57.90' R500)
L7	N06°11'09"W	80.45'	(80.54' R138) (80.50' R502)
L8	N06°11'09"W	183.81'	(183.77' R502)
L9	N56°48'32"E	183.81'	(183.77' R502)
L10	N56°48'32"E	153.01'	(153.01' R307)
L11	N69°08'35"W	153.01'	(153.01' R307)
L12	N69°08'35"W	138.74'	(138.82' R307 & CFR R500)
L13	N38°07'24"W	138.74'	(138.82' R307 & CFR R500)
L14	N38°07'24"W	92.01'	(92.01' R307 & CFR R500)
L15	N64°02'01"W	92.01'	(92.01' R307 & CFR R500)
L16	N64°02'01"W	123.43'	(123.82' R307 & CFR R500)
L17	N49°57'35"W	123.43'	(123.82' R307 & CFR R500)
L18	N49°57'35"W	86.08'	(86.61' R307 & CFR R500)
L19	N59°48'02"W	86.08'	(86.61' R307 & CFR R500)
L20	N59°48'02"W	108.82'	(108.59' R307 & CFR R500)
L21	N47°22'43"W	108.82'	(108.59' R307 & CFR R500)
L22	N47°22'43"W	120.69'	(120.58' R307 & CFR R500)
L23	N74°31'14"W	120.69'	(120.58' R307 & CFR R500)
L24	N74°31'14"W	129.36'	(129.47' R307 & CFR R500)
L25	N45°30'24"W	129.36'	(129.47' R307 & CFR R500)
L26	N45°30'24"W	124.40'	(124.28' R307 & CFR R500)
L27	N73°27'04"W	124.40'	(124.28' R307 & CFR R500)
L28	N73°27'04"W	73.40'	(73.32' R307 & CFR R500)
L29	N56°44'49"W	73.40'	(73.32' R307 & CFR R500)
L30	N56°44'49"W	103.78'	(103.79' CFR R500) (103.72' R307)
L31	N80°12'03"W	103.78'	(103.79' CFR R500) (103.72' R307)
L32	N80°12'03"W	212.91'	(213.01' R307 & CFR R500)
L33	N53°39'56"E	212.91'	(213.01' R307 & CFR R500)
L34	N53°39'56"E	109.16'	(109.27' R307 & CFR R500)
L35	N84°11'46"E	109.16'	(109.27' R307 & CFR R500)
L36	N84°11'46"E	124.10'	(123.99' R307 & CFR R501)
L37	N56°18'57"E	124.10'	(123.99' R307 & CFR R501)
L38	N56°18'57"E	113.81'	(113.61' R307 & CFR R501)
L39	N88°05'03"E	113.81'	(113.61' R307 & CFR R501)
L40	N88°05'03"E	112.71'	(112.60' R307 & CFR R501)
L41	N62°40'28"E	112.71'	(112.60' R307 & CFR R501)
L42	N62°40'28"E	50.36'	(50.33' R307 & CFR R501)
L43	N59°47'23"E	50.36'	(50.33' R307 & CFR R501)
L44	N59°47'23"E	28.22'	(28.23' R307 & CFR R501)
L45	S49°02'23"W	28.22'	(28.23' R307 & CFR R501)
L46	N49°02'23"E	93.45'	(93.46' R307 & CFR R501)
L47	N83°38'46"E	93.45'	(93.46' R307 & CFR R501)
L48	N84°11'46"E	116.14'	(116.09' R307)(116.18' R136)
L49	N49°02'23"E	26.40'	(26.75' R501)
L50	N83°37'06"E	53.46'	(53.46' R501)
L51	N02°01'17"E	22.70'	(22.80' R365)(22.75' R95)
L52	N02°01'17"E	30.33'	(30.33' R3, R8, R109 & CFR R365)
L53	N02°00'25"E	33.00'	(32.97' R8, R73 & R365)
L54	N72°18'15"W	23.08'	(25.78' R329 & R382)
L55	N79°54'15"E	74.21'	(74.22' R329)
L56	N72°18'15"W	74.21'	(74.22' R329)
L57	N72°18'15"W	136.11'	(136.14' R329)
L58	N58°53'04"E	136.11'	(136.14' R329)
L59	N58°53'04"E	107.43'	(107.36' R16 & R329)
L60	N49°53'37"W	107.43'	(107.36' R16 & R329)

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L61	N49°53'37"W	25.14'	(25.44' R16 & R329)
L62	N49°53'37"W	51.35'	(51.20' R16 & R329)
L63	N81°58'34"E	51.35'	(51.20' R16 & R329)
L64	N81°58'34"E	3.65'	(3.95' R16) & (2.28' R329 & R382)
L65	N81°58'34"E	42.58'	(42.43' R16 & R329)
L66	N66°19'28"W	42.58'	(42.43' R16 & R329)
L67	N66°19'28"W	18.33'	(17.96' R16 & R329)
L68	N61°04'36"W	18.33'	(17.96' R16 & R329)
L69	N61°04'36"W	3.90'	(4.51' R16 & R329)
L70	N61°04'36"W	70.70'	(70.51' R16 & R329)
L71	N87°36'03"W	70.70'	(70.51' R16 & R329)
L72	N87°36'03"W	9.84'	(10.15' R16 & R329)
L73	N87°36'03"W	73.69'	(73.69' R16 & R329)
L74	N54°45'03"W	73.69'	(73.69' R16 & R329)
L75	N54°45'03"W	49.26'	(49.34' R16 & R329)
L76	N54°45'03"W	95.33'	(95.24' R16 & R329)
L77	N89°59'27"E	95.33'	(95.24' R16 & R329)
L78	N89°59'27"E	18.57'	(18.59' R16 & R329)
L79	N89°59'27"E	44.46'	(44.37' R16 & R329)
L80	N59°48'02"W	44.46'	(44.37' R16 & R329)
L81	N00°25'51"E	39.89'	(39.88' R99)
L82	N69°35'21"W	98.88'	(98.88' R144)
L83	N07°41'33"E	59.37'	(59.37' R144)
L84	N49°53'37"W	183.92'	(184.00' CFR R16) (183.98' R144) (183.86' R370)
L85	N81°58'34"E	97.59'	(97.58' R16)(97.57' R144)
L86	N66°19'28"W	17.57'	(17.57' R504)
L87	N23°40'32"E	10.00'	(10.00' R504)
L88	N23°40'32"E	20.00'	(20.00' R16)
L89	S68°50'05"E	231.64'	(231.66' R504)
L90	S66°19'28"E	17.57'	---
L91	S68°50'05"E	31.71'	---
L92	N00°11'46"W	38.00'	(38.00' R504)
L93	N78°54'19"W	33.99'	(33.99' R504)
L94	N81°57'22"E	60.34'	(60.34' R504)
L95	N68°50'05"W	26.56'	---
L96	N01°46'53"E	62.65'	(62.67' R504)
L97	N76°23'27"W	139.20'	(139.21' R504)
L98	N01°55'33"E	55.85'	---
L99	N01°55'33"E	12.11'	---
L100	N00°11'46"W	13.61'	---
L101	N81°58'34"E	3.65'	(3.95' R16)
L102	S49°53'37"E	25.14'	(24.72' R16)
L103	N01°46'53"E	75.97'	(75.98' R16)
L104	N66°53'29"E	110.24'	(110.20' R340)
L105	N66°53'29"E	122.66'	(122.64' R16)
L106	N01°46'53"E	66.34'	---
L107	N01°46'53"E	40.88'	(40.78' R16 & R340)
L108	N00°57'34"E	29.91'	(29.92' R109)
L109	N00°57'34"E	29.91'	---
L110	N02°01'17"E	30.30'	---
L111	N56°15'33"E	181.12'	(181.45' R109)
L112	S56°15'33"W	181.80'	(183.4' R56)
L113	N56°15'33"E	180.43'	(182.0' R16)
L114	N01°55'33"E	67.96'	(67.97' R56)
L115	N02°01'17"E	30.30'	---
L116	N02°01'17"E	60.61'	(60.66' R56)
L117	N00°57'34"E	59.82'	(59.83' R56)
L118	S78°23'28"E	6.09'	(6.09' R144)(6.08' R132, R304 & R382)
L120	S79°54'15"W	10.88'	(11.31' CFR R144)
L121	S89°02'26"E	0.95'	(0.10' R324)

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L122	S82°43'59"E	155.23'	(155.31' R105)(155.43' R90)
L123	S57°41'30"E	211.05'	(211.10' R105)
L124	S79°50'44"E	102.30'	(102.15' R16)
L125	S79°50'44"E	239.82'	(239.89' R16 & R329)
L126	S62°19'43"W	239.82'	(239.89' R16 & R329)
L127	S61°04'36"E	92.93'	(92.86' R144)(92.82' R136) (92.98' CFR R16)
L128	S87°36'03"E	154.23'	(154.35' CFR R16)(154.26' R105)
L129	S54°45'03"E	218.28'	(218.27' CFR R16)(218.35' R105)
L130	N89°59'27"E	158.36'	(158.32' R105)
L131	S79°50'44"E	386.58'	(386.61' R105)(386.59' R90)
L132	N00°29'06"E	13.18'	(13.18' R151) (13.17' R105)
L133	N35°25'35"W	13.35'	(13.33' R151)
L134	N21°28'03"W	6.69'	(6.69' R151)
L135	S79°50'28"E	18.99'	(19.00' R105)
L136	S79°50'28"E	16.02'	(16.00' R105)
L137	N62°21'09"E	18.94'	(19.00' R105)
L138	N62°21'09"E	16.02'	(16.00' R105)
L139	N62°19'43"E	51.35'	---
L140	S27°40'17"E	10.45'	---
L141	N59°48'03"E	126.35'	(126.42' R127)
L142	N62°19'43"E	159.45'	(159.25' R16 & R329)
L143	S87°59'39"W	159.45'	(159.25' R16 & R329)
L144	N01°39'09"E	12.94'	(13.00' R104 & R118)
L145	N87°59'39"E	219.79'	(219.73' R105) (219.68' R107) (219.73' R151)
L146	S87°59'39"W	97.76'	(97.75' R309) (97.77' R136)(97.59'R104)
L147	N87°59'39"E	229.90'	(229.83' R329, CFR R16, CFR R380)
L148	N87°59'39"E	70.45'	(70.58' R16, R380 & R329)
L149	N87°59'39"E	60.34'	---
L150	N87°59'39"E	107.87'	(107.98' R105, R151 & R107)
L151	N87°59'39"E	10.11'	(10.47' R107)
L152	N87°59'39"E	327.66'	(327.66' R105)(327.71' R107)
L153	N87°59'39"E	78.50'	(78.30' R380 & R329)
L154	N70°08'50"E	78.50'	(78.30' R380 & R329)
L155	N70°08'50"E	13.67'	(13.82' R380 & R329)
L156	N70°08'50"E	78.29'	(78.37' R380 & R329)
L157	N87°56'51"E	78.29'	(78.37' R380 & R329)
L158	N70°08'50"E	170.47'	(170.47' R329)(170.44' R136)(170.50' R107)
L159	N87°56'51"E	66.43'	(66.03' R380 & R329)
L160	N87°56'51"E	82.05'	(82.32' R380 & R329)
L161	N87°56'51"E	226.77'	(226.75' R136) (226.69' R107) (226.72' CFR R380)
L162	N69°18'30"E	82.05'	(82.32' R380 & R329)
L163	N69°18'30"E	157.36'	(157.38' R380 & R329)
L164	N69°18'30"E	110.24'	(110.18' R380 & R329)
L165	S70°20'13"E	110.24'	(110.18' R380 & R329)
L166	N69°18'30"E	349.64'	(349.63' R136 & R118) (349.69' R125) (349.703' R141)(349.88' CFR R380 & R329)
L167	S70°20'13"E	84.52'	(85.04' R380 & R329)
L168	S70°20'13"E	42.61'	(41.91' R380 & R329)
L169	S75°13'00"E	42.61'	(41.91' R380 & R329)
L170	S75°13'00"E	190.45'	(191.27' R380 & R329)
L171	S75°13'00"E	43.37'	(43.27' R380 & R329)
L172	S66°56'52"E	43.37'	(43.27' R380 & R329)
L173	S70°20'13"E	237.36'	(237.37' R136 & R118) (237.40' R125) (273.382' R141)(237.13' CFR R380 & R329)
L174	S75°13'00"E	276.42'	(276.43' R136 & R118)(276.46' R104) (276.391' R141)(276.45' CFR R380 & R329)
L175	S66°56'52"E	17.64'	(17.77' R380 & R329)
L176	S66°56'52"E	40.05'	(40.03' R380 & R329)
L177	S82°09'23"E	40.05'	(40.03' R380 & R329)
L178	S66°56'52"E	101.05'	(101.05' R136 & R118) (101.04' R141) (101.07' CFR R380 & R329)
L179	S82°09'23"E	45.65'	(45.92' R380 & R329)
L180	S82°09'23"E	29.88'	(29.59' R380 & R329)
L181	S70°46'53"E	29.88'	(29.59' R380 & R329)

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L182	S70°46'53"E	42.89'	(42.41' R380 & R329)
L183	S70°46'53"E	41.01'	(41.69' R380 & R329)
L184	S80°09'37"E	41.01'	(41.69' R380 & R329)
L185	S80°09'37"E	81.99'	(79.74' R380 & R329)
L186	S80°09'37"E	66.83'	(68.27' R380 & R329)
L187	S82°09'23"E	115.58'	(115.57' R118)(115.55' R136) (115.54' CFR R380 & R329)
L188	S70°46'53"E	113.77'	(113.79' R118)(113.76' R136) (113.81' R148)(113.69' CFR R380 & R329)
L189	S80°09'37"E	189.82'	(189.84' R118)(189.86' R148) (189.833' R141)(189.70' CFR R380 & R329)
L190	N64°56'01"W	66.83'	(68.27' R380 & R329)
L191	N64°56'01"W	149.63'	(148.26' R12, R380 & R329)
L192	S64°56'01"E	42.01'	(42.15' R13)
L193	N80°52'44"W	42.01'	(42.15' R13)
L194	N80°52'44"W	53.75'	(53.79' R13)
L195	S80°52'44"E	40.26'	(40.27' R13)
L196	S64°56'01"E	258.47'	(258.47' R136)(258.421' R141)
L197	S80°52'44"E	136.03'	(136.06' R136)(136.067' R141) (136.22' CFR R13)
L198	S76°21'22"W	40.26'	(40.27' R13)
L199	S76°21'22"W	254.62'	(254.79' R13)
L200	N76°21'22"E	64.02'	(63.98' R13)
L201	S61°45'47"W	64.02'	(63.98' R13)
L202	N61°45'47"E	231.99'	(232.19' R13)
L203	N56°50'44"E	42.79'	(42.78' R13)
L204	S73°04'56"W	42.79'	(42.78' R13)
L205	N76°21'22"E	358.90'	(358.96' R136) (358.904' R141) (359.03' CFR R13)

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L242	N50°31'59"W	90.09'	(90.00' R15)
L243	S50°31'59"E	166.28'	(167.09' R15)
L244	S50°31'59"E	242.01'	(241.76' R15)
L245	N42°54'10"E	242.01'	(241.76' R15)
L246	N42°54'10"E	150.33'	(150.45' R15)
L247	S80°37'55"E	150.33'	(150.45' R15)
L248	N42°54'10"E	392.34'	— — — —
L249	N80°37'55"W	351.19'	(351.20' R367)(351.25' R15)
L250	S80°37'55"E	30.00'	(30.00' R15)
L251	S86°23'03"W	30.00'	(30.00' R15)
L252	N86°23'03"E	220.85'	(220.83' R367)(221.38' R15)
L253	N86°23'03"E	44.02'	(44.00' R15)
L254	S73°48'34"W	44.02'	(44.00' R15)
L255	N73°48'34"E	90.79'	(90.94' R15)
L256	N73°48'34"E	80.07'	(80.06' R15)
L257	N80°45'10"W	80.07'	(80.06' R15)
L258	S80°45'10"E	45.03'	(45.04' R15)
L259	N73°28'15"W	45.03'	(45.04' R15)
L260	N73°28'15"W	336.96'	(337.11' CFR R15)
L261	N73°28'15"W	30.96'	(31.00' R15)
L262	S80°42'42"E	30.96'	(31.00' R15)
L263	N80°42'42"W	149.88'	(150.00' R15)
L264	S65°20'48"E	208.87'	(208.89' R37)(208.88' R141)(208.11' R316)
L265	N79°59'19"E	322.75'	(322.73' CFR R15 & R316) (322.77' R141)(322.78' R37)
L266	S50°31'59"E	256.36'	(257.09' CFR R15) (256.80' R136)(256.85' R141, PG.195)
L267	N86°23'03"E	294.87'	(295.38' R316 & CFR R15) (294.82' R141)
L268	N73°48'34"E	214.89'	(215.00' R316 & CFR R15) (214.91' R367)(214.89' R119 & R141)
L269	S80°45'10"E	125.10'	(125.10' R316 & CFR R15) (125.08' R367 & R119)(125.04' R141)
L270	S73°28'15"E	412.95'	(421.95' R141)(413.16' CFR R17)
L271	S80°42'42"E	180.84'	(181.00' R316 & CFR R15)(180.81' R136)
L272	N80°42'42"W	124.45'	(124.58' CFR R17)
L273	S80°42'42"E	49.48'	(49.50' R17)
L274	N46°38'03"E	49.48'	(49.50' R17)
L275	S46°38'03"W	292.86'	(293.33' R17)
L276	N46°38'03"E	73.34'	(73.40' R17)
L277	N81°14'57"W	73.34'	(73.40' R17)
L278	S81°14'57"E	66.81'	(66.85' R17)
L279	N48°37'57"W	66.81'	(66.85' R17)
L280	N48°37'57"W	73.81'	(73.86' R17)
L281	S48°37'57"E	82.64'	(82.73' R17)
L282	S72°46'34"E	82.64'	(82.73' R17)
L283	S72°46'34"E	44.49'	(44.41' R17)
L284	S33°34'17"E	44.49'	(44.41' R17)
L285	S33°34'17"E	74.10'	(73.61' R17)
L286	N83°02'08"E	74.10'	(73.61' R17)
L287	N83°02'08"E	76.28'	(77.05' R17)
L288	N52°25'56"E	76.28'	(77.05' R17)
L289	N52°25'56"E	56.44'	(55.88' R17)
L290	N52°25'56"E	75.73'	(76.07' R17)
L291	S80°46'12"W	75.73'	(76.07' R17)
L292	N80°46'12"E	43.01'	(42.81' R17)
L293	N80°46'12"E	59.83'	(59.77' R17)
L294	N55°44'22"W	59.83'	(59.77' R17)
L295	N55°44'22"W	65.89'	(65.98' R17)
L296	S55°44'22"E	75.45'	(75.45' R17)
L297	N83°58'33"W	75.45'	(75.45' R17)
L298	S83°58'33"E	86.45'	(86.20' R17)
L299	S83°58'33"E	84.12'	(84.27' R17)
L300	S76°55'17"W	84.12'	(84.27' R17)
L301	N76°55'17"E	276.84'	(277.00' R83)

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L302	N76°55'17"E	112.11'	(111.92' R30 & R83)
L303	N77°47'58"W	112.11'	(111.92' R30 & R83)
L304	S77°47'58"E	85.65'	(85.79' R503)(85.68' R83)
L305	S77°47'58"E	76.01'	(75.99' R30 & R83)
L306	S84°54'37"W	76.01'	(75.99' R30 & R83)
L307	N84°54'37"E	40.01'	(49.72' R503)(39.62' R83)
L308	N76°55'17"E	82.71'	(82.71' R17 & R83)
L309	N76°55'17"E	194.12'	(194.50' R503)(194.29' R83)
L310	N84°54'37"E	105.47'	(105.91' R83)(105.89' R383)
L311	N83°02'49"W	105.47'	(105.91' R83)(105.89' R383)
L312	S83°02'49"E	28.38'	(28.08' R503)(28.05' R83)
L313	S83°02'49"E	71.97'	(71.97' R83 & R383)(72.28' R39)
L314	S88°43'08"W	71.97'	(71.97' R83 & R383)(72.28' R39)
L315	N88°43'08"E	37.74'	(37.82' R503)(37.41' R39)
L316	N88°43'08"E	102.96'	(102.90' R83 & R383)(103.00' R39)
L317	N79°31'24"W	102.96'	(102.90' R83 & R383)(103.00' R39)
L318	S79°31'24"E	187.13'	(182.27' R503 & R83)(187.09' R39)
L319	S79°31'24"E	48.21'	(48.22' R83 & R383)(48.24' R39)
L320	S73°22'09"W	48.21'	(48.22' R83 & R383)(48.24' R39)
L321	N73°22'09"E	202.44'	(202.61' R503)(202.52' R83)(202.35' R39)
L322	N73°22'09"E	129.98'	(129.89' R383)(130.08' R39)
L323	N77°28'58"W	129.98'	(129.89' R383)(130.08' R39)
L324	S77°28'58"E	128.69'	(129.31' R503)
L325	S77°28'58"E	54.38'	(54.32' R383)
L326	S77°58'09"W	54.38'	(54.32' R383)
L327	N77°58'09"E	64.57'	(64.61' R503 & R383)
L328	N77°58'09"E	51.50'	(51.51' R383)
L329	N73°08'51"W	51.50'	(51.51' R383)
L330	S73°08'51"E	91.84'	(91.99' R503)
L331	S73°08'51"E	36.63'	(36.62' R383)
L332	S52°23'27"E	36.63'	(36.62' R383)
L333	S52°23'27"E	63.13'	(63.18' R503)
L334	S52°23'27"E	41.70'	(41.72' R383)
L335	S68°13'12"E	41.70'	(41.72' R383)
L336	S68°13'12"E	46.65'	(46.54' R503)
L337	S68°13'12"E	123.93'	(124.05' R2 & R316)(124.15' R136)
L338	N57°57'39"E	310.50'	(310.53' R117)(310.50' R2)(310.496' R141)
L339	N41°48'19"E	332.46'	(332.49' R117)(332.50' R2)(332.398' R141)
L340	N20°46'13"E	135.70'	(135.77' R117)(135.86' R2 & R316)
L341	N44°48'09"E	67.49'	(67.49' R117)(70.0' R2)
L342	N31°19'09"E	240.53'	(240.612' R141)
L343	N44°22'36"E	109.96'	(109.97' R117)(110.00' R126)(109.99' R136)
L344	S80°42'42"E	354.76'	(354.81' R141)
L345	N46°38'03"E	415.68'	(415.82' R136)(416.23' CFR R17 & R316)
L346	S81°14'57"E	140.15'	(140.25' CFR R17 & R316)
L347	S48°37'57"E	223.25'	(223.44' CFR R17 & R316)
L348	S72°46'34"E	127.14'	(127.14' CFR R17 & R316)
L349	S33°34'17"E	118.59'	(118.02' CFR R17 & R316)
L350	N83°02'08"E	150.38'	(150.66' CFR R17 & R316)
L351	N52°25'56"E	208.45'	(209.00' CFR R17 & R316)
L352	N80°46'12"E	178.56'	(178.59' R136)(178.64' CFR R17) (178.45' R141)
L353	S55°44'22"E	201.16'	(202.20' CFR R17)(201.26' R87)
L354	S83°58'33"E	246.02'	(245.92' CFR R17)(245.99' R87)
L355	N76°55'17"E	473.07'	(473.19' R136 & R141)(473.40' R316)
L356	S77°47'58"E	273.78'	(273.70' R503)(273.59' R83 & R136)
L357	N84°54'37"E	221.49'	(221.49' R141)(231.62' CFR R503) (221.59' R30 & R83)(221.58' R316 & R136)
L358	S83°02'49"E	205.82'	(205.87' R39)(205.82' R141) (205.97' CFR R503)(205.93' R136 & R83)
L359	N88°43'08"E	212.67'	(212.69' CFR R503 & R39)(212.71' R136) (212.70' R83 & R316)
L360	S79°31'24"E	338.30'	(338.33' R39)(338.38' CFR R503 & R136) (338.39' R83 & R316)
L361	N73°22'09"E	380.63'	(380.67' R39)(380.72' CFR R503 & R316) (380.63' R83 & R136)(380.65' R142)

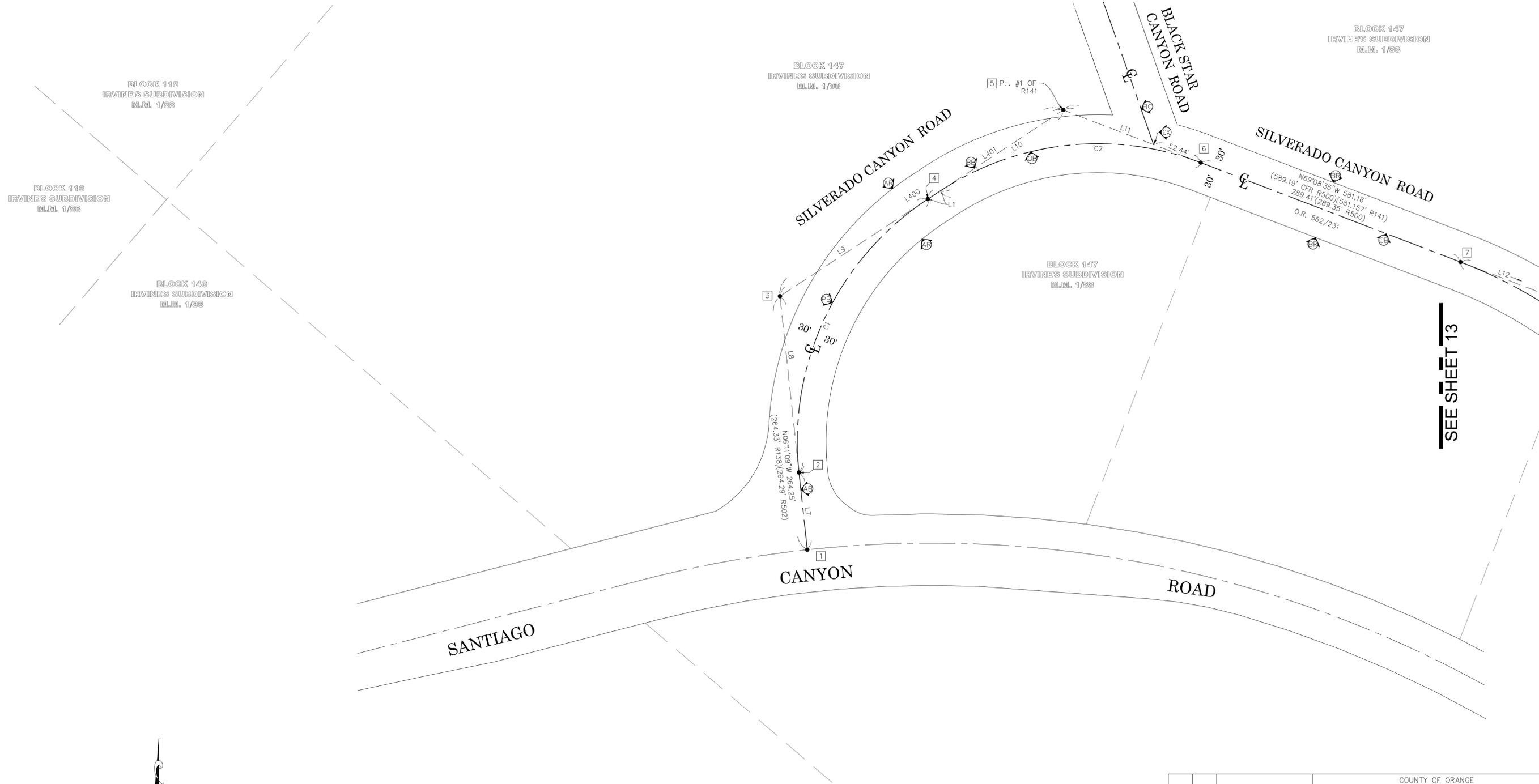
LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L362	S77°28'58"E	313.06'	(313.09' R39)(313.12' R142) (313.52' CFR R503 & R316)
L363	N77°58'09"E	170.45'	(170.42' CFR R503) (170.48' R136)(170.449' R141)
L364	S73°08'51"E	179.97'	(180.10' CFR R503) (180.00' R136)(179.964' R142)
L365	S52°23'27"E	141.46'	(141.52' CFR R503 & R316) (141.47' R136)(141.422' R141)
L366	S68°13'12"E	212.28'	(212.38' CFR R136)(212.218' R141)
L367	N42°37'17"E	30.00'	(30' R307)
L368	S42°37'17"W	30.00'	(30' R307)
L369	N71°00'20"W	223.84'	(223.86' R144)
L370	N55°54'45"E	94.13'	(94.13' R15)
L371	S33°34'17"E	11.66'	(11.60' R17)
L372	S09°22'05"W	20.00'	(20.00' R15)
L373	S73°28'15"E	296.98'	(297.11' R15)
L374	S80°42'42"E	173.93'	(174.05' R136)(174.08' R316)
L375	N66°11'23"E	31.09'	(31.12' R506)
L376	N66°11'23"E	108.17'	— — — —
L377	S22°15'58"E	86.35'	— — — —
L378	N41°22'03"E	20.00'	(20.00' R17)
L379	S65°12'17"E	99.60'	(99.66' R506)
L380	N73°22'09"E	108.00'	(108.37' R39)
L381	N00°08'05"W	20.86'	(20.86' R39)
L382	N00°08'05"W	20.86'	(20.86' R39)
L383	S55°44'22"E	11.45'	(11.45' CFR R17)
L384	S55°44'22"E	6.81'	(6.81' R17 & R87)
L385	N13°04'43"W	20.00'	(20.00' R17, R83 & R136)
L386	S13°04'43"E	20.00'	(20.00' R17, R83 & R136)
L387	S87°45'21"E	55.67'	(55.71' R100)
L388	S00°09'34"E	44.95'	(44.96' R100)
L389	N48°06'02"E	22.31'	— — — —
L390	N48°06'02"E	22.31'	— — — —
L391	N48°06'02"E	11.16'	— — — —
L392	S68°13'12"E	79.08'	(79.21' R2)
L393	S32°02'21"E	30.00'	(30.00' R2)
L394	S32°02'21"E	30.00'	(30.00' R2)
L395	S68°13'12"E	108.76'	(108.89' R2)
L396	N48°06'02"E	11.16'	— — — —
L397	S32°40'06"E	60.89'	(61.07' R98)
L398	N39°31'49"W	42.25'	(42.42' R98)
L399	S44°48'09"W	0.25'	(0.25' R117 & R129)(0.23' R126)
L400	N56°48'32"E	352.43'	(352.42' R138)
L401	N56°48'32"E	168.62'	(168.89' R502)(168.63' R138)
L402	S00°57'34"W	1229.93'	(1230.42' R109)
L403	N62°04'55"W	934.59'	(934.67' R37)

		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		SILVERADO CANYON RD GUARDRAIL PROJECT	
		LINE TABLE	
		PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.	
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO. 10 of 52	
MAPPING	BY: S. ROBATI		
OFFICE CHECK	BY: J. MORENO, PLS		
FIELD CHECK	BY: J. MORENO		
SCALE: N/A	W.O. #E0212025 FILE: #2223PW-CM0013		
MARK	DATE	ITEM	REVISIONS
		FILE: SILVERADO_BOUNDARY_2023.DWG	

CURVE TABLE						
CURVE #	DELTA	RADIUS	LENGTH	RECORD DELTA	RECORD RADIUS	RECORD LENGTH
C1	62°59'41"	299.98'	329.82'	(62°58'45" R502)	(300' R502)	(329.76' R502)
C2	54°02'53"	299.98'	282.98'	(54°03' R500)	(300' R500)	(283.01' R500)
C3	31°01'11"	499.96'	270.68'	(31°02' R500)	(500' R500)	(270.82' R500)
C4	25°54'38"	399.97'	180.88'	(25°54'30" R500)	(400' R500)	(180.87' R500)
C5	14°04'27"	999.93'	245.62'	(14°07' R500)	(1000' R500)	(246.38' R500)
C6	9°50'27"	999.93'	171.74'	(9°54' R500)	(1000' R500)	(172.79' R500)
C7	12°25'19"	999.93'	216.79'	(12°23'45" R500)	(1000' R500)	(216.35' R500)
C8	27°08'31"	499.96'	236.84'	(27°07' R500)	(500' R500)	(236.64' R500)
C9	29°00'50"	499.96'	253.17'	(29°02' R500)	(500' R500)	(253.36' R500)
C10	27°56'40"	499.96'	243.84'	(27°55' R500)	(500' R500)	(243.62' R500)
C11	16°42'16"	499.96'	145.76'	(16°41' R500)	(500' R500)	(145.59' R500)
C12	23°27'14"	499.96'	204.66'	(23°27'15" R500)	(500' R500)	(204.68' R500)
C13	46°08'01"	499.96'	402.56'	(46°09' R500)	(500' R500)	(402.73' R500)
C14	30°31'50"	399.97'	213.13'	(30°33'30" R500)	(400' R500)	(213.34' R500)
C15	27°52'49"	499.96'	243.28'	(xx'xx' R500)	(xx' R500)	(xx' R500)
C16	31°46'06"	399.97'	221.77'	(31°42'45" R501)	(400' R501)	(221.40' R501)
C17	25°24'34"	499.96'	221.72'	(25°23' R501)	(500' R501)	(221.51' R501)
C18	10°45'00"	299.98'	56.28'	(10°45' R501)	(300' R501)	(56.29' R501)
C19	34°36'23"	299.98'	181.19'	(34°36'20" R501)	(300' R501)	(181.19' R501)
C20	2°53'05"	1999.85'	100.69'	(2°53' R501)	(2000' R501)	(100.65' R501)
C21	27°47'30"	299.98'	145.51'	(27°47'30" R329 & R382)	(300' R329 & R382)	(145.52' R329 & R382)
C22	48°48'41"	299.98'	255.56'	(48°49'00" R329 & R382)	(300' R329 & R382)	(255.60' R329 & R382)
C23	71°13'19"	149.99'	186.45'	(71°11'00" R16 & R329)	(150' R16 & R329)	(186.36' R16 & R329)
C24	48°07'49"	114.99'	96.60'	(48°00'00" R16 & R329)	(115' R16 & R329)	(96.34' R16 & R329)
C25	31°41'58"	149.99'	82.98'	(31°35'20" R16 & R329)	(150' R16 & R329)	(82.70' R16 & R329)
C26	26°31'27"	299.98'	138.87'	(26°27'10" R16 & R329)	(300' R16 & R329)	(138.51' R16 & R329)
C27	32°51'00"	249.98'	143.32'	(32°50'50" R16 & R329)	(250' R16 & R329)	(143.33' R16 & R329)
C28	5°14'52"	399.97'	36.63'	(5°08'30" R16 & R329)	(400' R16 & R329)	(35.90' R16 & R329)
C29	35°15'30"	299.98'	184.60'	(35°13'30" R16 & R329)	(300' R16 & R329)	(184.44' R16 & R329)
C30	10°09'49"	499.96'	88.69'	(10°08'30" R16 & R329)	(500' R16 & R329)	(88.50' R16 & R329)
C31	37°49'33"	699.95'	462.10'	(37°50'00" R16 & R329)	(700' R16 & R329)	(462.22' R16 & R329)
C32	25°39'56"	699.95'	313.54'	(25°38'00" R16 & R329)	(700' R16 & R329)	(313.17' R16 & R329)
C33	52°16'17"	219.98'	200.69'	(52°16'17" R504)	(220.00' R504)	(200.71' R504)
C34	2°30'37"	219.98'	9.64'	(2°30'37" R504)	(220.00' R504)	(9.64' R504)
C36	8°19'40"	239.98'	34.88'	-----	-----	-----
C37	26°21'24"	169.99'	78.20'	-----	-----	-----
C38	22°21'32"	169.99'	66.34'	-----	-----	-----
C39	8°45'32"	169.99'	25.99'	-----	-----	-----
C40	48°07'49"	94.99'	79.79'	-----	(95' CFR R16)	(79.59' R16)
C41	22°30'23"	169.99'	66.77'	-----	-----	-----
C42	48°42'56"	169.99'	144.53'	-----	(170' CFR R16)	(144.53' R16)
C43	31°41'58"	169.99'	94.05'	-----	(170' CFR R16)	(93.73' R16)
C44	17°50'49"	499.96'	155.73'	(17°48'00" R380 & R329)	(500' R380 & R329)	(155.33' R380 & R329)
C45	17°48'00"	499.96'	155.32'	(17°49'00" R380 & R329)	(500' R380 & R329)	(155.48' R380 & R329)
C46	18°38'21"	499.96'	162.64'	(18°42'00" R380 & R329)	(500' R380 & R329)	(163.19' R380 & R329)
C47	40°21'17"	299.98'	211.28'	(40°20'00" R380 & R329)	(300' R380 & R329)	(211.18' R380 & R329)
C48	4°52'47"	999.93'	85.16'	(4°48'00" R380 & R329)	(1000' R380 & R329)	(83.78' R380 & R329)
C49	8°16'08"	599.96'	86.59'	(8°15'00" R380 & R329)	(600' R380 & R329)	(86.39' R380 & R329)
C50	15°12'31"	299.98'	79.63'	(15°12'00" R380 & R329)	(300' R380 & R329)	(79.59' R380 & R329)
C51	11°22'30"	299.98'	59.56'	(11°16'00" R380 & R329)	(300' R380 & R329)	(58.99' R380 & R329)
C52	9°22'44"	499.96'	81.84'	(9°32'00" R380 & R329)	(500' R380 & R329)	(83.19' R380 & R329)
C53	15°13'36"	499.96'	132.87'	(15°33'00" R380 & R329)	(500' R380 & R329)	(132.69' R380 & R329)
C54	15°56'43"	299.98'	83.48'	(16°00' R13)	(300' R13)	(42.15' R13)
C55	22°45'54"	199.99'	79.46'	(22°46' R13)	(200' R13)	(79.47' R13)
C56	14°35'35"	499.96'	127.34'	(14°35' R13)	(500' R13)	(127.26' R13)
C57	16°14'12"	299.98'	85.01'	(16°14' R13)	(300' R13)	(85.00' R13)
C58	41°52'30"	199.99'	146.16'	(41°54' R13)	(200' R13)	(146.26' R13)
C59	16°45'30"	299.98'	87.74'	(16°45'30" R13)	(300' R13)	(87.75' R13)
C60	26°13'30"	199.99'	91.54'	(26°13'30" R13)	(200' R13)	(91.54' R13)
C61	25°20'54"	299.98'	132.71'	(25°23' R13)	(300' R13)	(132.91' R13)

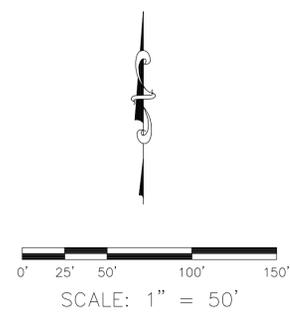
CURVE TABLE						
CURVE #	DELTA	RADIUS	LENGTH	RECORD DELTA	RECORD RADIUS	RECORD LENGTH
C62	19°34'41"	299.98'	102.50'	(19°31' R13)	(300' R13)	(102.19' R13)
C63	34°39'52"	234.67'	141.98'	(34°39' R15)	(234.69' R15)	(141.93' CFR R15)
C64	49°28'42"	195.51'	168.83'	(49°26' R15)	(195.52' R15)	(168.69' R15)
C65	86°33'51"	256.98'	388.25'	(86°30' R15)	(257.00' R15)	(388.00' CFR R15)
C66	56°27'55"	279.98'	275.92'	(56°30' R15)	(280.00' R15)	(276.13' CFR R15)
C67	12°59'02"	263.61'	59.74'	(12°59' R15)	(263.63' R15)	(59.74' CFR R15)
C68	12°34'29"	399.57'	87.69'	(12°34' R15)	(399.60' R15)	(87.64' CFR R15)
C69	25°26'16"	354.74'	157.49'	(25°26' R15)	(354.77' R15)	(157.48' CFR R15)
C70	7°16'55"	707.65'	89.94'	(7°17' R15)	(707.72' R15)	(89.96' CFR R15)
C71	7°14'27"	489.29'	61.83'	(7°15' R15)	(489.34' R15)	(61.92' CFR R15)
C72	52°39'15"	99.99'	91.89'	(52°40' R17)	(100.00' R17)	(91.92' R17)
C73	52°07'00"	149.99'	136.43'	(52°09' R17)	(150.00' R17)	(136.53' R17)
C74	32°36'59"	228.34'	129.99'	(32°38' R17)	(228.36' R17)	(130.06' R17)
C75	24°08'37"	386.41'	162.83'	(24°10' R17)	(386.45' R17)	(163.00' R17)
C76	39°12'17"	124.94'	85.49'	(39°08' R17)	(124.95' R17)	(85.34' R17)
C77	63°23'35"	119.99'	132.76'	(63°03' R17)	(120.00' CFR R17)	(132.05' R17)
C78	30°36'12"	278.80'	148.92'	(30°53'40" R17)	(278.83' R17)	(150.35' R17)
C79	28°20'16"	299.97'	148.36'	(28°27'20" R17)	(300.00' R17)	(148.99' R17)
C80	43°29'25"	149.99'	113.85'	(43°27' R17)	(150.00' R17)	(113.75' R17)
C81	28°14'11"	299.97'	147.83'	(28°14' R17)	(300.00' R17)	(147.83' R17)
C82	19°06'09"	499.95'	166.68'	(19°08' R17)	(500.00' R17)	(166.97' R17)
C83	25°16'45"	499.95'	220.58'	(25°14' R503)	(500.00' R503)	(220.20' R503)
C84	17°17'25"	499.95'	150.87'	(17°17' R503 & R30)	(500.00' R503 & R30)	(150.83' R503 & R30)
C85	12°02'34"	999.90'	210.16'	(12°05'30" R503 & R83)	(1000.00' R503 & R83)	(211.04' R503 & R83)
C86	8°14'03"	999.90'	143.70'	(8°14' R503 & R83)	(1000.00' R503 & R83)	(143.70' R503 & R83)
C87	11°45'08"	999.90'	205.19'	(11°45' R503 & R83) (11°45'42" R39)	(1000.00' R503 & R83) (1000.00' R39)	(205.08' R503 & R83) (205.28' R39)
C88	27°06'27"	199.98'	94.61'	(27°06'30" R503)	(200.00' R503)	(94.63' R503)
C89	29°08'53"	499.95'	254.34'	(29°07'30" R503 & R316) (29°09'57" R39)	(500.00' R503) (500.00' R39)	(257.95' R503) (254.16' R316) (254.52' R39)
C90	24°32'53"	249.97'	107.10'	(24°31'00" R503 & R316)	(250.00' R503 & R316)	(104.97' R503) (106.97' R316)
C91	28°53'00"	199.98'	100.81'	(28°52'30" R503)	(200.00' R503)	(100.79' R503)
C92	20°45'24"	199.98'	72.45'	(20°45' R503)	(200.00' R503)	(72.43' R503)
C93	15°49'45"	299.97'	82.87'	(15°50' R503)	(300.00' R503)	(82.90' R503)
C94	45°15'05"	212.00'	167.43'	(45°16'30" R15)	(212.02' R15)	(167.54' CFR R15)
C95	178°12'15"	11.39'	35.43'	(178°13'30" R15)	(11.39' R15)	(35.43' R15)
C96	56°27'55"	259.98'	256.21'	(56°30' R15)	(260' CFR R15)	(256.37' R15)
C97	13°00'00"	276.98'	62.84'	-----	(277' CFR R15)	(62.85' R15)
C98	22°27'35"	279.98'	109.75'	-----	(280.00' CFR R15)	(120.65' R15) MATH ERROR
C99	24°08'37"	366.41'	154.40'	-----	(366.45' CFR R15)	-----
C100	7°34'17"	144.94'	19.15'	-----	(145.95' CFR R15)	-----
C101	31°38'00"	144.94'	80.02'	(31°38'00" R506)	(144.95' R506)	(80.03' R506)
C102	2°00'44"	99.99'	3.51'	(2°00'05" R17)	(100.00' CFR R17)	(3.49' R17)
C103	61°22'51"	99.99'	107.12'	(61°02'55" R17)	(100.00' CFR R17)	(106.55' R17)
C104	15°18'06"	258.80'	69.12'	(15°26'50" R17)	(258.83' CFR R17)	(69.78' R17)

		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		SILVERADO CANYON RD GUARDRAIL PROJECT	
		CURVE TABLE	
		PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.	
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO. 11 of 52	
MAPPING	BY: S. ROBATI		
OFFICE CHECK	BY: J. MORENO, PLS		
FIELD CHECK	BY: J. MORENO		
SCALE: N/A	W.O. #E0212025 FILE: #2223PW-CM0013		
MARK	DATE	ITEM	REVISIONS

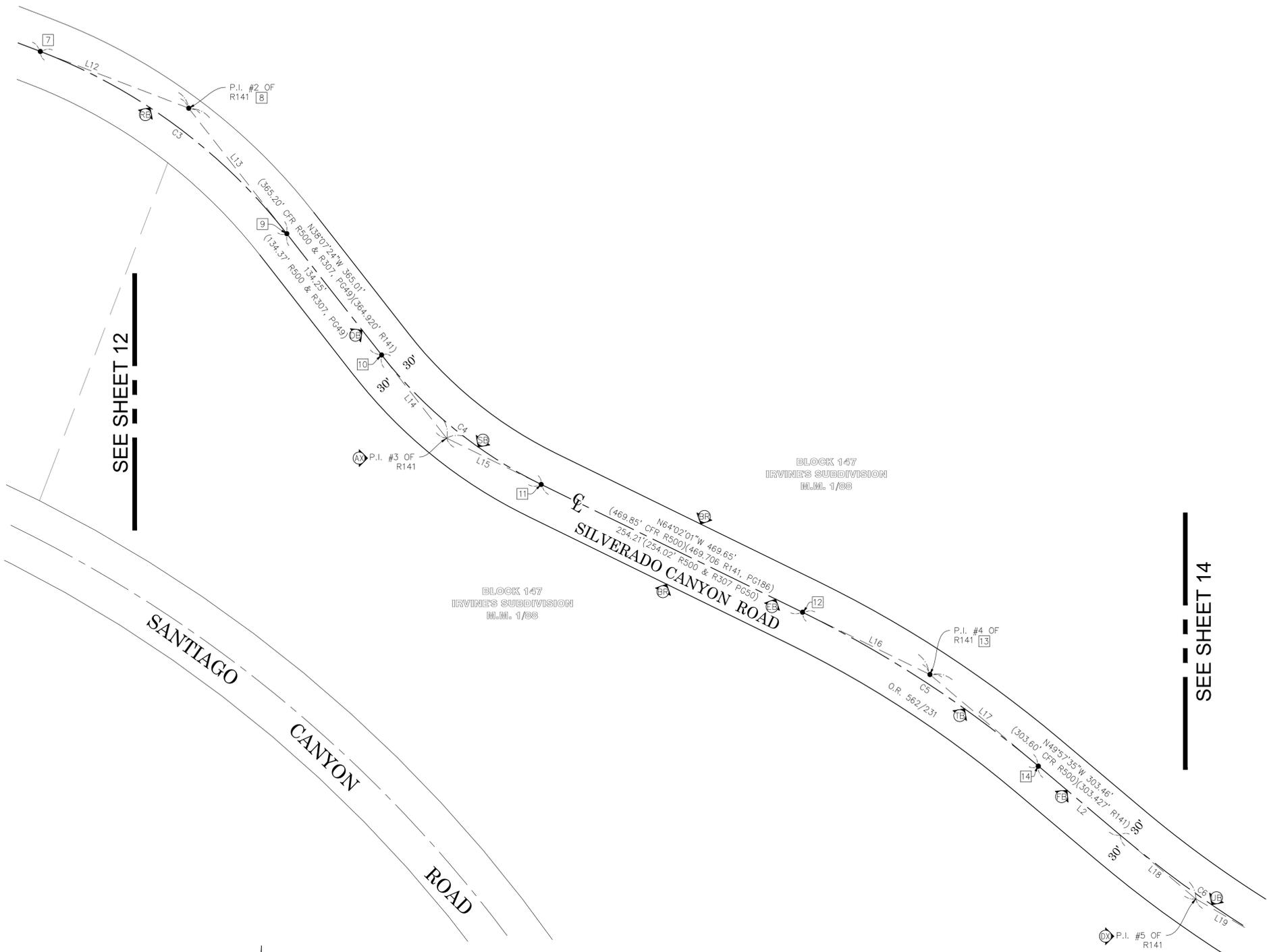


SEE SHEET 13

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



COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
SILVERADO CANYON RD GUARDRAIL PROJECT		
BOUNDARY MAP		
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.		
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO. 12 of 52
MAPPING	BY: S. ROBATI	
OFFICE CHECK	BY: J. MORENO, PLS	
FIELD CHECK	BY: J. MORENO	
SCALE: 1" = 50'	W.O. #EQ212025	FILE #2223PW-CM0013
REVISIONS		FILE: SILVERADO_BOUNDARY_2023.DWG



SEE SHEET 12

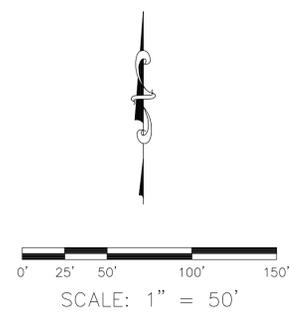
SEE SHEET 14

SANTIAGO CANYON ROAD

SILVERADO CANYON ROAD

BLOCK 147
IRVINE'S SUBDIVISION
M.M. 1/88

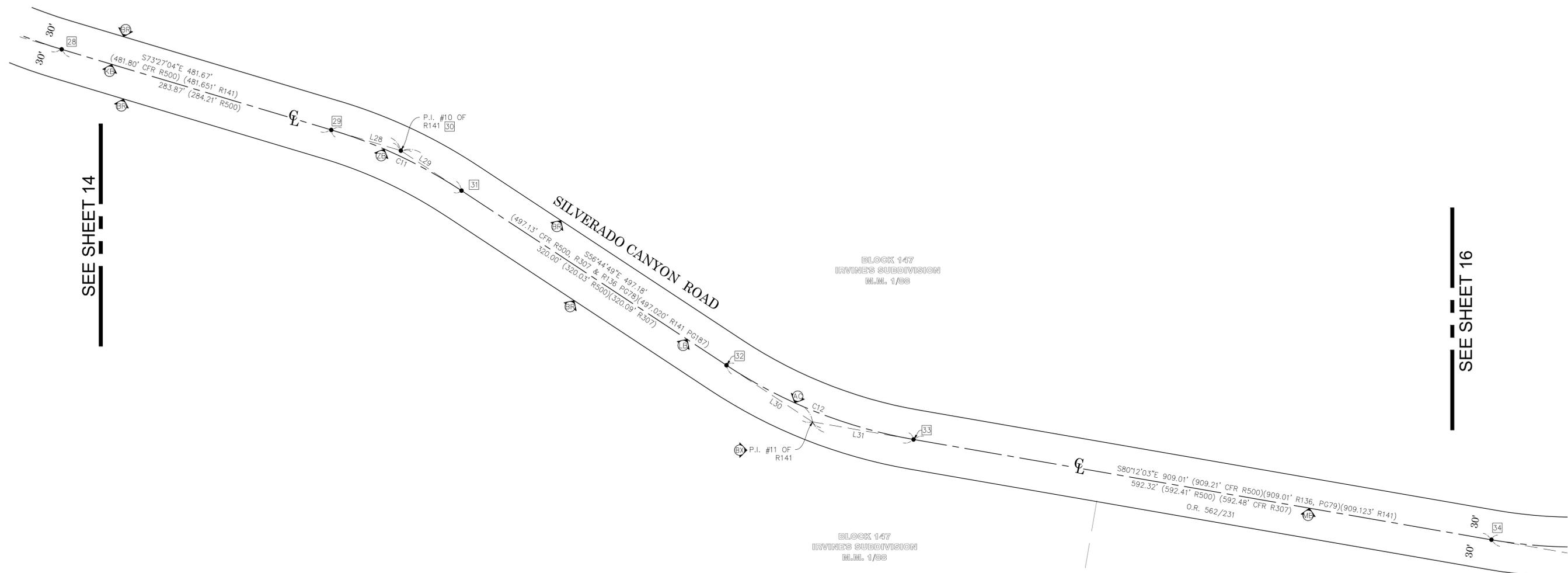
BLOCK 147
IRVINE'S SUBDIVISION
M.M. 1/88



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	
		SILVERADO CANYON RD GUARDRAIL PROJECT	
		BOUNDARY MAP	
		PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.	
DATE OF SURVEY:	MAY 2023	BY:	J. JOHNS & PARTY
MAPPING		BY:	S. ROBATI
OFFICE CHECK		BY:	J. MORENO, PLS
FIELD CHECK		BY:	J. MORENO
SCALE:	1" = 50'	W.O. #	EQ21202S
		FILE #	2223PW-CM0013
		FILE:	SILVERADO_BOUNDARY_2023.DWG
MARK	DATE	ITEM	REVISIONS

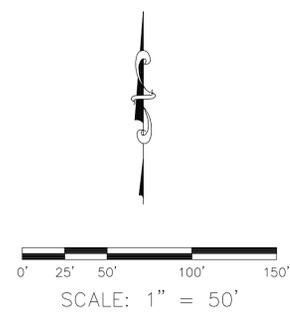
SHEET NO.
13
of
52



SEE SHEET 14

SEE SHEET 16

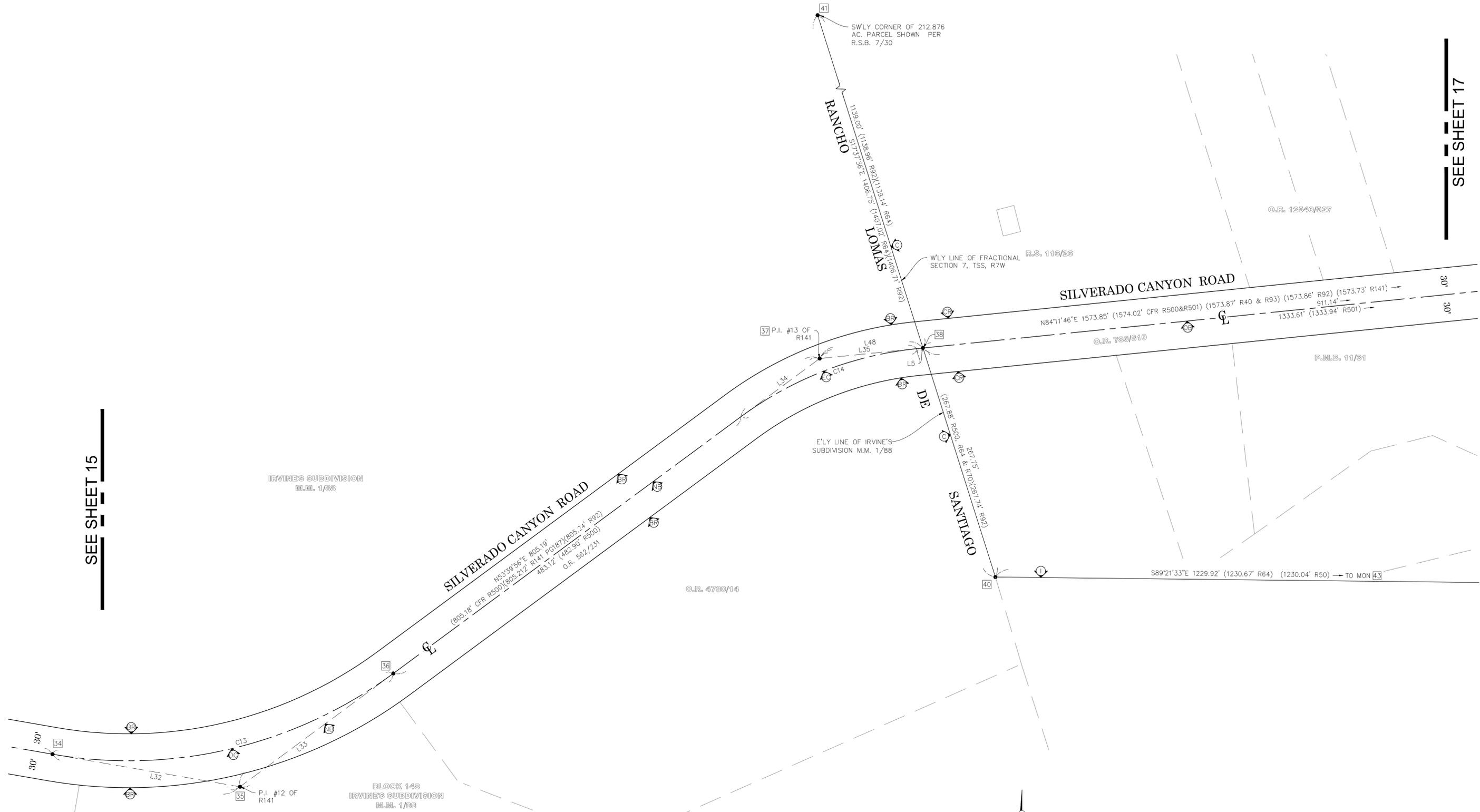
U.S. Survey Foot
 OC Public Works
 OC Survey/Field Services
 Boundary Analysis & Mapping



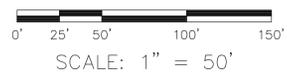
COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		SHEET NO. 15 of 52
SILVERADO CANYON RD GUARDRAIL PROJECT BOUNDARY MAP PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.		
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	REVISIONS
MAPPING	BY: S. ROBATI	
OFFICE CHECK	BY: J. MORENO, PLS	
FIELD CHECK	BY: J. MORENO	
SCALE: 1" = 50'	W.O. #E021202S	FILE #2223PW-CM0013
FILE: SILVERADO_BOUNDARY_2023.DWG		

SEE SHEET 15

SEE SHEET 17



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		
SILVERADO CANYON RD GUARDRAIL PROJECT		
BOUNDARY MAP		
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.		
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO. 16 of 52
MAPPING	BY: S. ROBATI	
OFFICE CHECK	BY: J. MORENO, PLS	
FIELD CHECK	BY: J. MORENO	
SCALE: 1" = 50'	W.O. #E021202S	FILE #2223PW-CM0013
FILE: SILVERADO_BOUNDARY_2023.DWG		

MARK	DATE	ITEM
REVISIONS		

SEE SHEET 16

SEE SHEET 18

PARCEL MAP 84-117
P.M.B. 281/5-7

R.S. 118/10

SILVERADO CANYON ROAD

R.S.B. 123/42

O.R. 786/310

SEE SHEET 19

TO MON 40 ← S89°21'33"E 1229.92' (1230.67' R64) (1230.04' R50)

S89°27'02"E 2643.04'
(2642.32' R91) (2642.81' R109)



0' 25' 50' 100' 150'
SCALE: 1" = 50'

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		
SILVERADO CANYON RD GUARDRAIL PROJECT		
BOUNDARY MAP		
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.		
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO. 17 of 52
MAPPING	BY: S. ROBATI	
OFFICE CHECK	BY: J. MORENO, PLS	
FIELD CHECK	BY: J. MORENO	
SCALE: 1" = 50'	W.O. #EQ212025	
REVISIONS		FILE: #2223PW-CM0013
FILE: SILVERADO_BOUNDARY_2023.DWG		

SEE SHEET 17

SEE SHEET 19

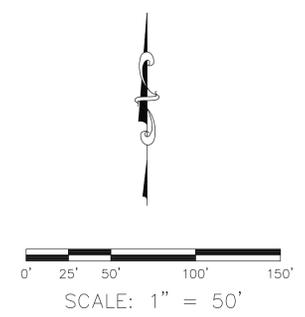
PARCEL 1
L.L. 2000-027
INST. NO. 20000597919

R.S.B. 99/31

PARCEL 2
L.L. 2000-027
INST. NO. 20000597919

PARCEL 2
L.L. 2000-027
INST. NO. 20000597919

SILVERADO CANYON ROAD



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		SHEET NO. 18 of 52
SILVERADO CANYON RD GUARDRAIL PROJECT		
BOUNDARY MAP		
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.		
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	REVISIONS
MAPPING	BY: S. ROBATI	
OFFICE CHECK	BY: J. MORENO, PLS	
FIELD CHECK	BY: J. MORENO	
SCALE: 1" = 50'	W.O. #EQ21202S	FILE #2223PW-CM0013
FILE: SILVERADO_BOUNDARY_2023.DWG		



SEE SHEET 18

E'LY LINE OF SECTION 7,
T5S, R7W

R.S. 3/30

O.R. 700/310

SEE SHEET 17

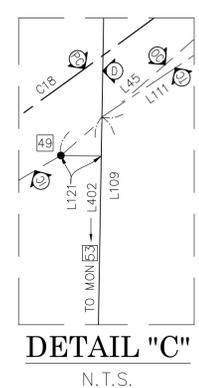
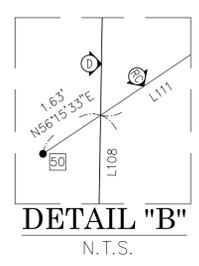


TO MON 43 → S89°27'02"E 2643.04'
(2642.32' R91) (2642.81' R109)

S88°59'26"E 124.19'
(124.20' R56 & R109)

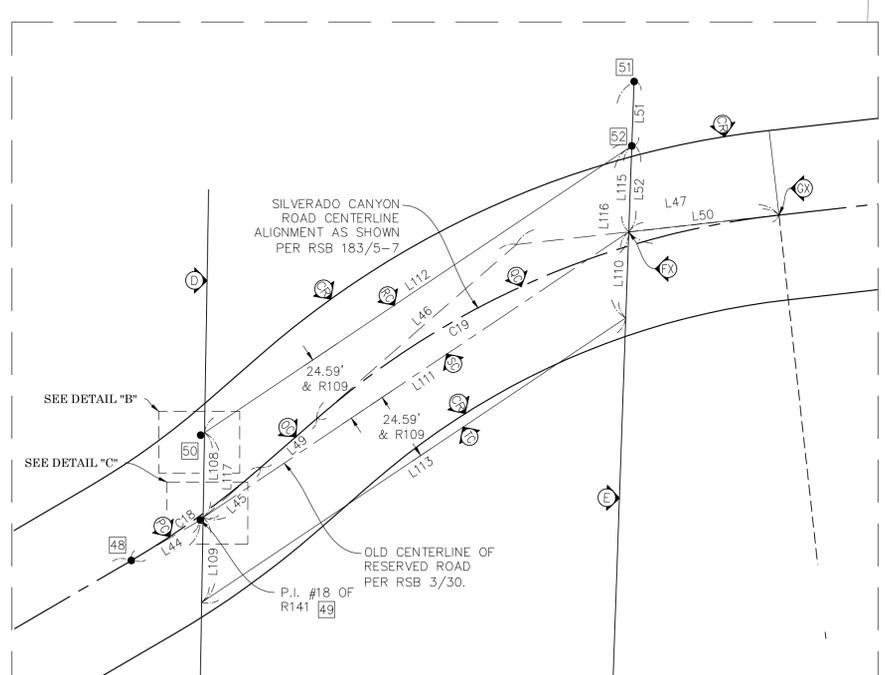
S88°59'26"E 2696.18'(2696.97' R109)(2697.87' R91) (2697.55' R99) → TO MON 44

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



SEE SHEET 20

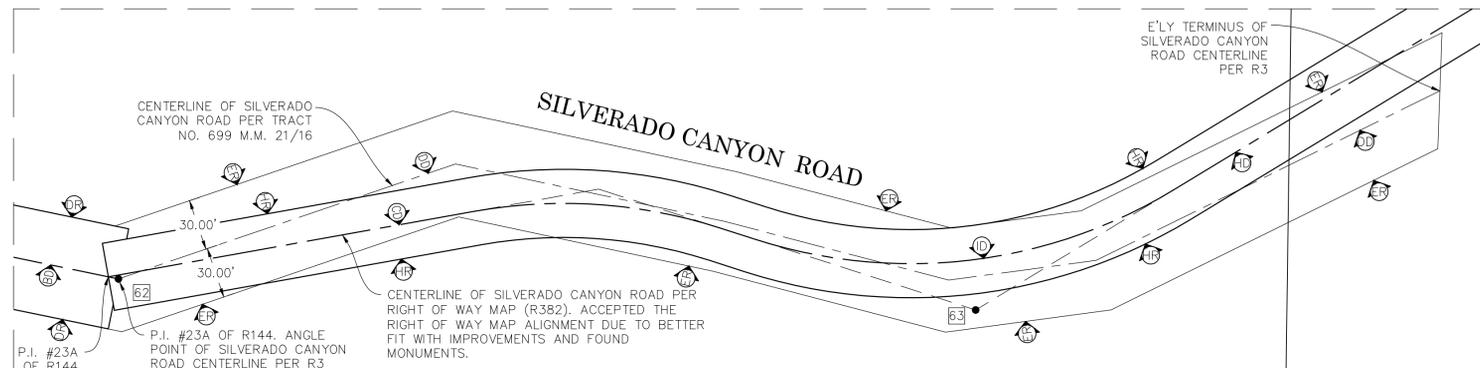
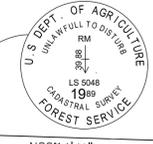
SEE SHEET 21



DETAIL "A"
N.T.S.



COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		SHEET NO. 19 of 52
SILVERADO CANYON RD GUARDRAIL PROJECT		
BOUNDARY MAP		
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.		
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	REVISIONS
MAPPING	BY: S. ROBATI	
OFFICE CHECK	BY: J. MORENO, PLS	
FIELD CHECK	BY: J. MORENO	
SCALE: 1" = 50'	W.O. #E0212025 FILE: #2223PW-CM0013	
FILE: SILVERADO_BOUNDARY_2023.DWG		



DETAIL "A"
SCALE: 1"=50'

TRACT NO. 699
M.M. 21/16

SILVERADO CANYON ROAD
S62°13'35"E 616.83'
(616.85' R25)

TRACT NO. 725
M.M. 21/36

R.S. 8/80

P.I. #22 OF R141

P.I. #23A OF R144

P.I. #23 OF R141 & R144

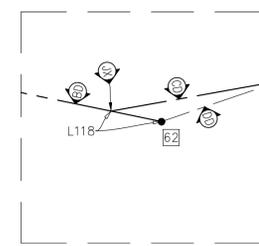
TRACT NO. 699
M.M. 21/16

TRACT NO. 725
M.M. 21/36

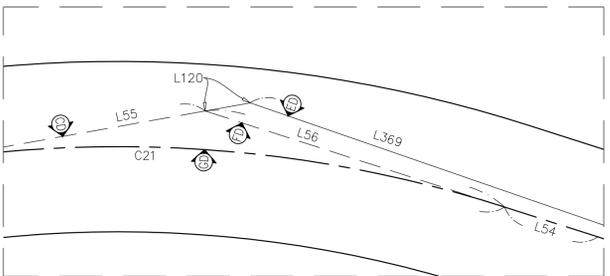
P.I. #25 OF R144

PARCEL 1
L.L. 77-8
O.R. 12307-1124

SEE SHEET 21



DETAIL "B"
SCALE: 1"=10'



DETAIL "C"
SCALE: 1"=20'



SCALE: 1" = 50'

SEE SHEET 19

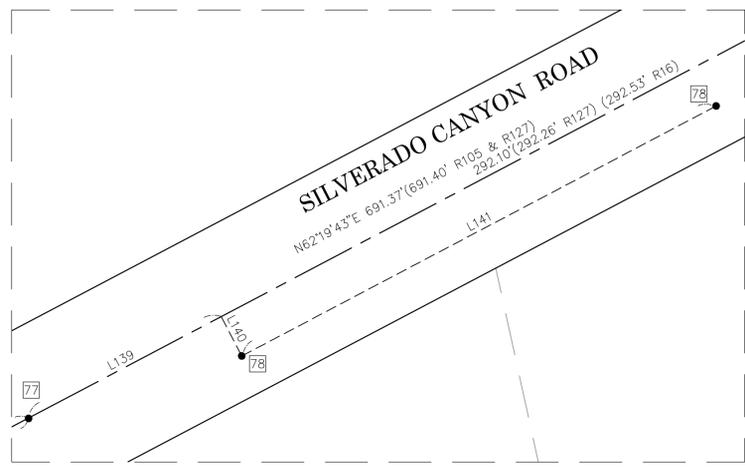
SEE SHEET 22

TO MON 63 ← S88°59'26"E 2696.18'
(2696.97' R109)(2697.87' R91) (2697.55' R99)

S88°45'59"E 2682.52' → TO MON 64
(2682.53' R91)(2682.21' R99)
(2682.65' R89)

COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		SHEET NO. 20 of 52
SILVERADO CANYON RD GUARDRAIL PROJECT		
BOUNDARY MAP PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.		
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	REVISIONS
MAPPING	BY: S. ROBATI	
OFFICE CHECK	BY: J. MORENO, PLS	
FIELD CHECK	BY: J. MORENO	
SCALE: 1" = 50'	W.O. #E0212025 FILE #2223PW-CM0013	
FILE: SILVERADO_BOUNDARY_2023.DWG		

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



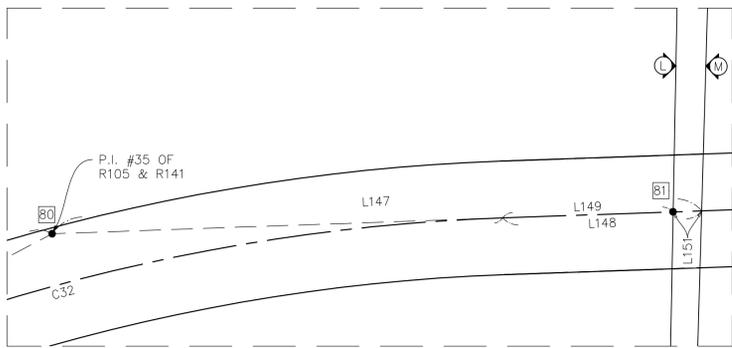
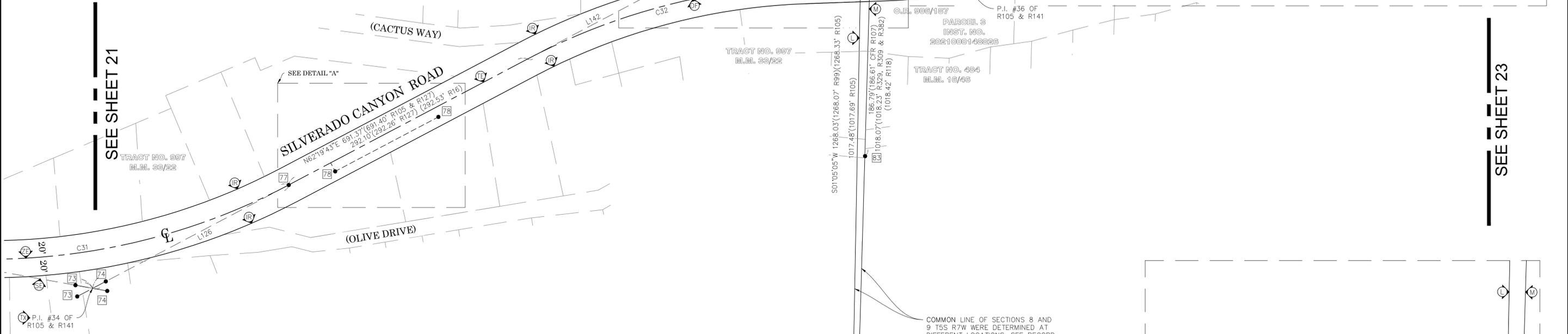
DETAIL "A"
SCALE 1"=20'



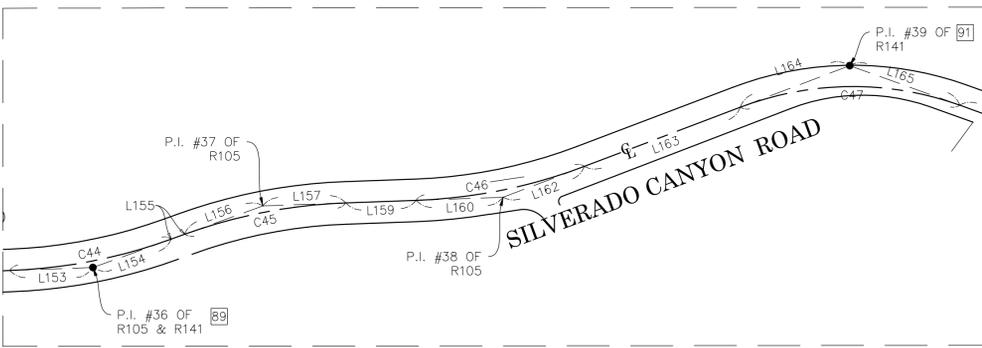
S88°13'17"E 2649.26' → TO MON 85
(2649.51' R118)(2649.64' R104)

SEE SHEET 21

SEE SHEET 23



DETAIL "B"
SCALE 1"=30'



DETAIL "C"
SCALE 1"=80'

SEE SHEET 20

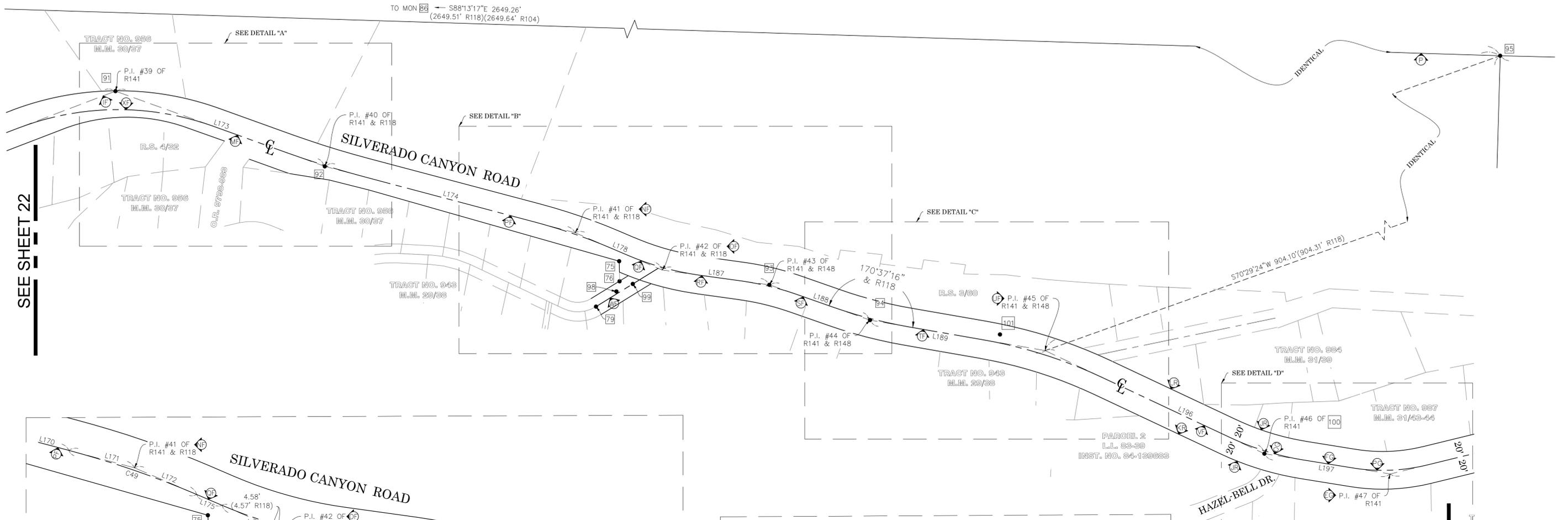
SEE SHEET 23



TO MON 84 ← S88°45'59"E 2682.52'
(2682.53' R91)(2682.21' R99) (2682.65' R89) S88°12'35"E 2650.13' → TO MON 116
(2650.51' R91 & R37)

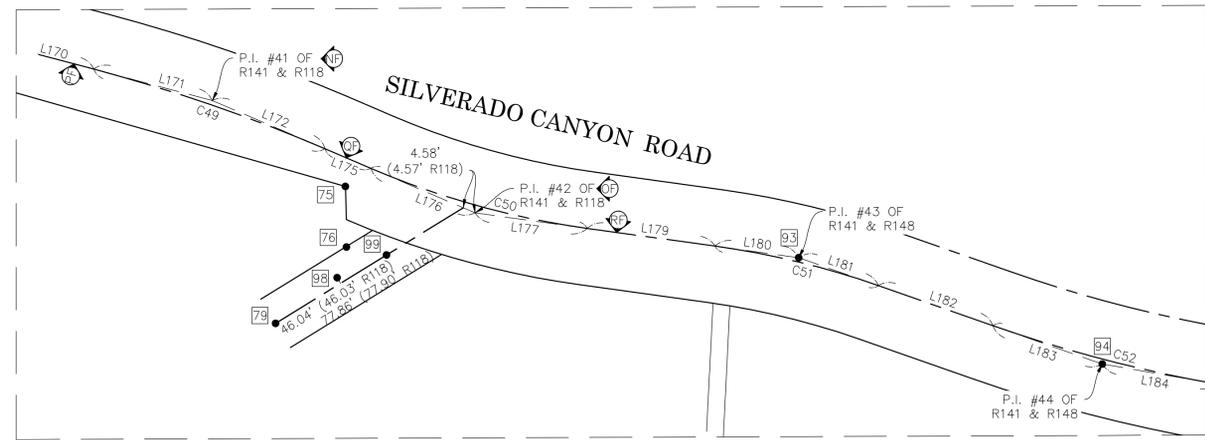
U.S. Survey Foot
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
SILVERADO CANYON RD GUARDRAIL PROJECT			
BOUNDARY MAP			
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.			
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO. 22 of 52	
MAPPING	BY: S. ROBATI		
OFFICE CHECK	BY: J. MORENO, PLS		
FIELD CHECK	BY: J. MORENO		
SCALE: 1" = 50'	W.O. #EQ21202S	FILE #2223PW-CM0013	
FILE: SILVERADO_BOUNDARY_2023.DWG			

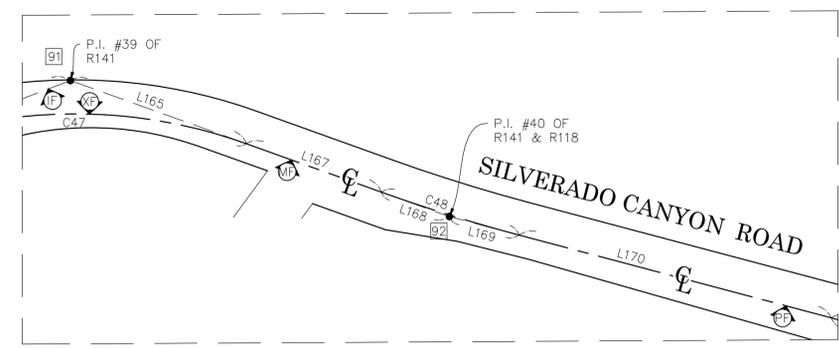


SEE SHEET 22

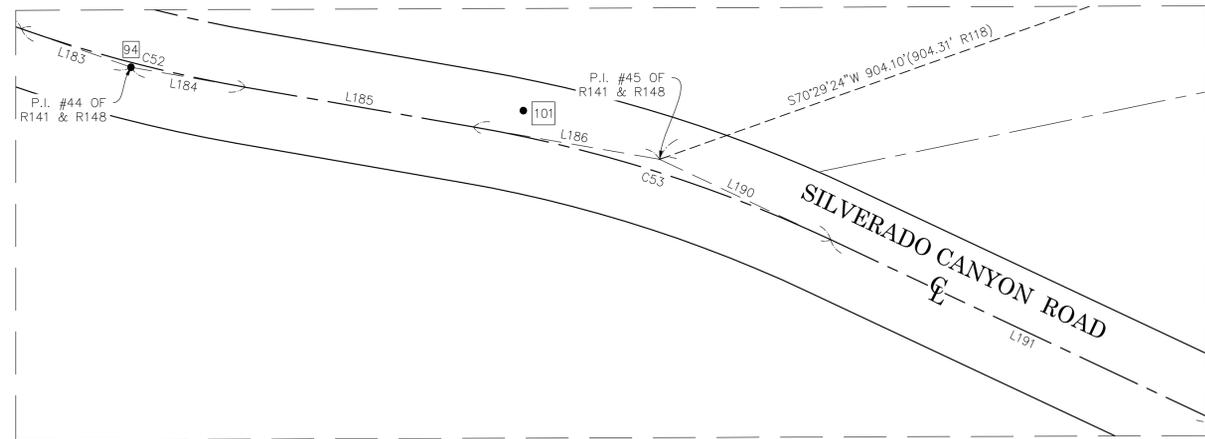
SEE SHEET 24



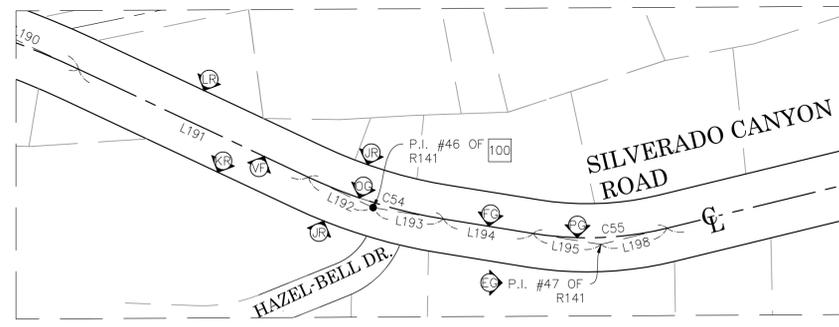
DETAIL "B"
SCALE 1"=30'



DETAIL "A"
SCALE 1"=50'



DETAIL "C"
SCALE 1"=30'



DETAIL "D"
SCALE 1"=50'

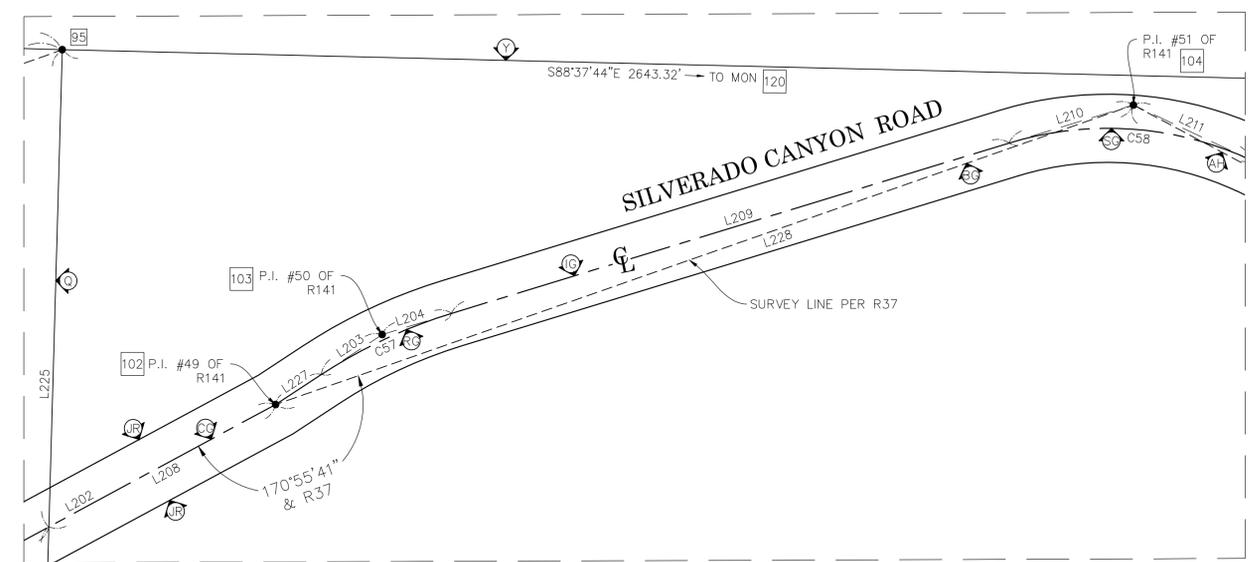
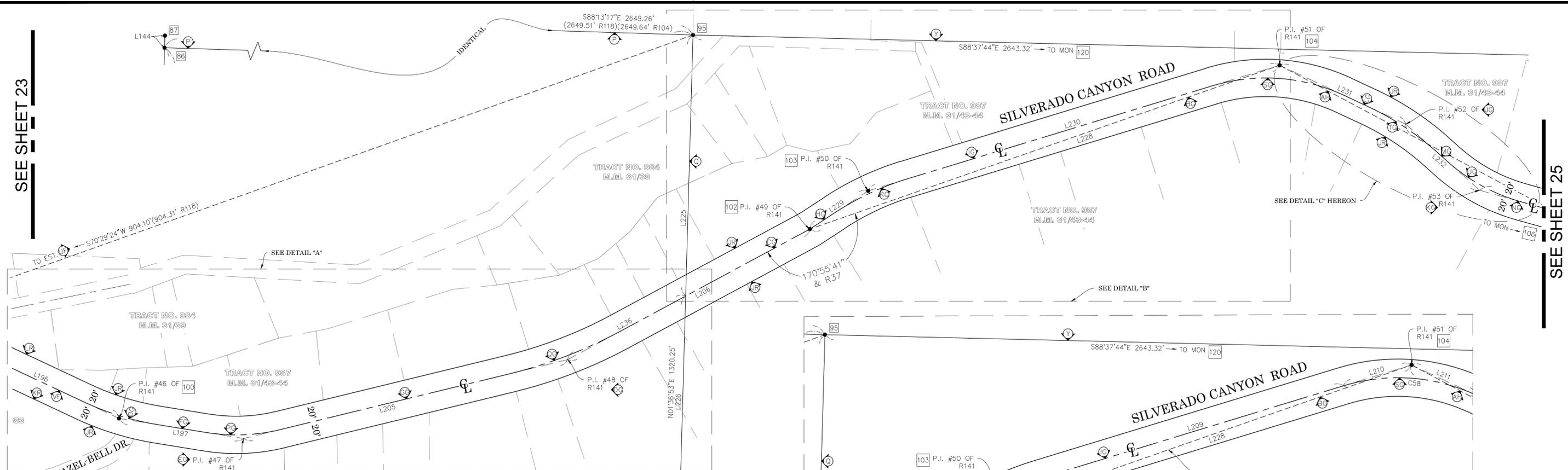
U.S. Foot
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping



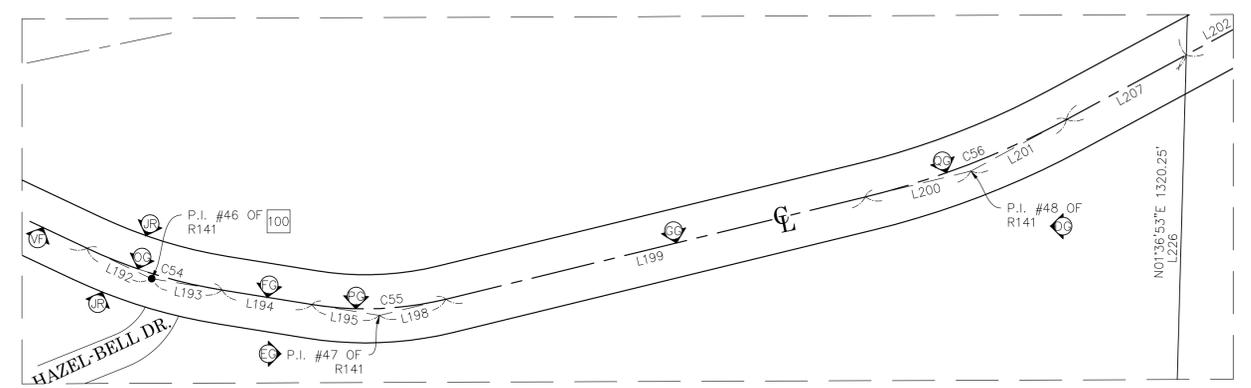
COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			SHEET NO. 23 of 52
SILVERADO CANYON RD GUARDRAIL PROJECT			
BOUNDARY MAP PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.			
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY		
MAPPING	BY: S. ROBATI		
OFFICE CHECK	BY: J. MORENO, PLS		
FIELD CHECK	BY: J. MORENO		
SCALE: 1" = 50'	W.O. #E0212025	FILE #2223PW-CM0013	
FILE: SILVERADO_BOUNDARY_2023.DWG			

SEE SHEET 23

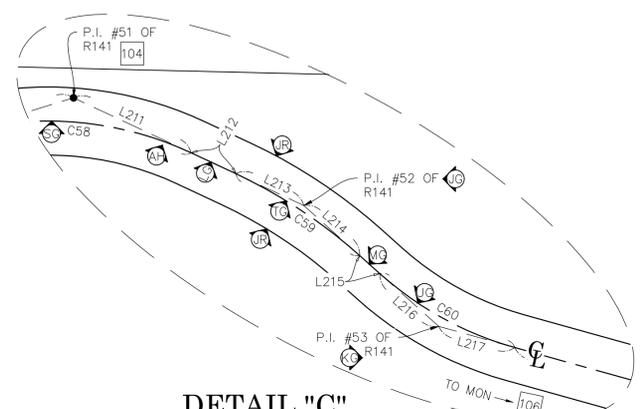
SEE SHEET 25



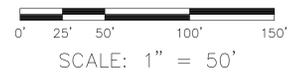
DETAIL "B"
SCALE 1"=50'



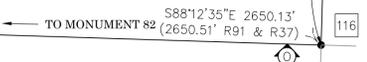
DETAIL "A"
SCALE 1"=50'



DETAIL "C"
SCALE 1"=50'



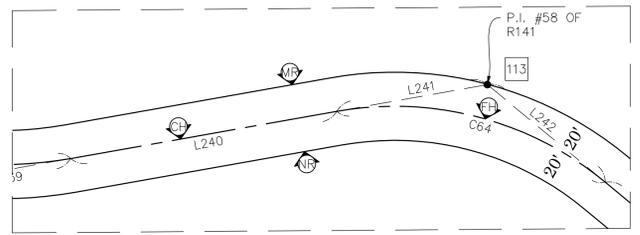
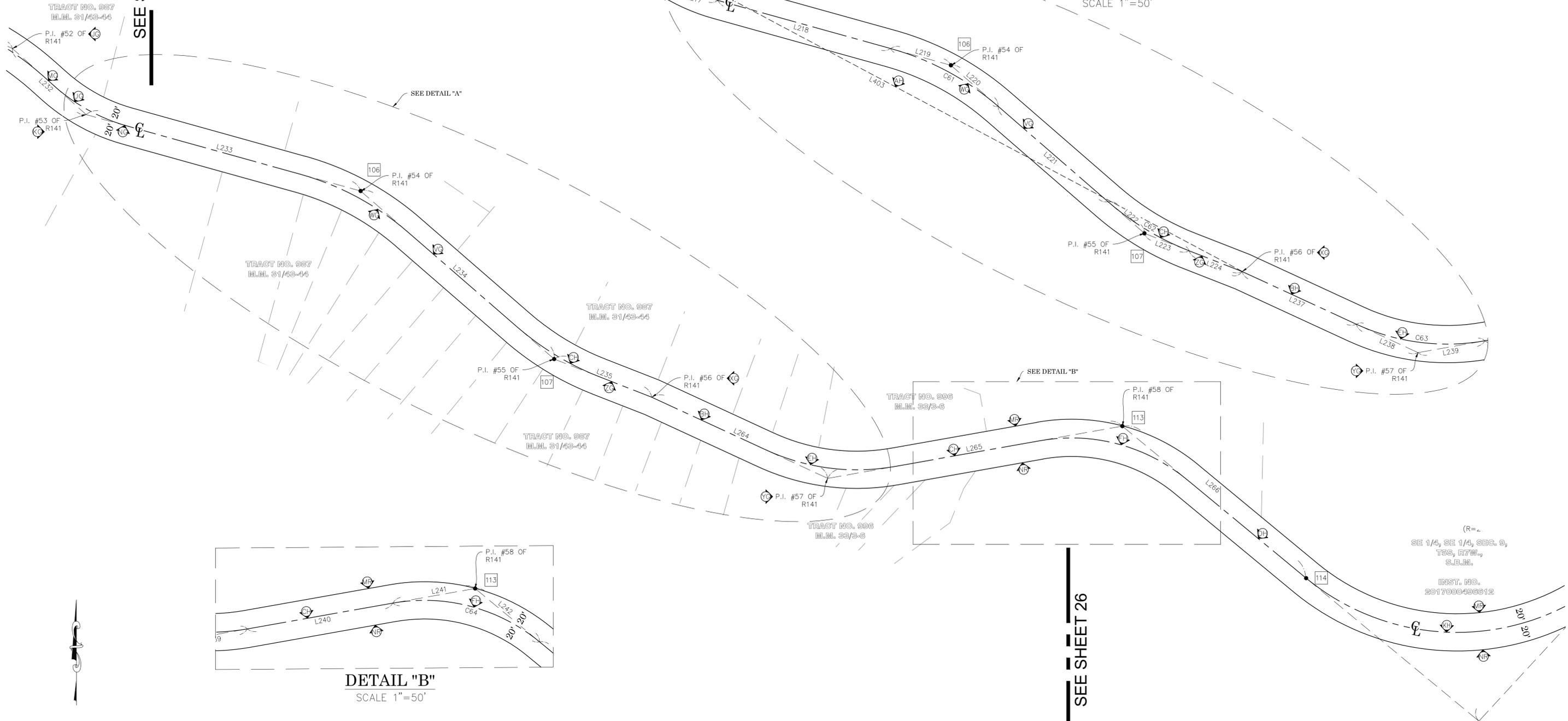
SEE SHEET 22



COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		SHEET NO. 24 of 52
SILVERADO CANYON RD GUARDRAIL PROJECT BOUNDARY MAP PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.		
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	REVISIONS MARK DATE ITEM
MAPPING	BY: S. ROBATI	
OFFICE CHECK	BY: J. MORENO, PLS	
FIELD CHECK	BY: J. MORENO	
SCALE: 1" = 50'	W.O. #E0212025	FILE #2223PW-CM0013
	FILE: SILVERADO_BOUNDARY_2023.DWG	

SEE SHEET 24

DETAIL "A"
SCALE 1"=50'



DETAIL "B"
SCALE 1"=50'

SEE SHEET 26

0' 25' 50' 100' 150'
SCALE: 1" = 50'



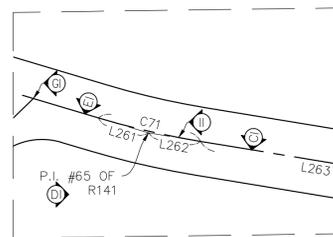
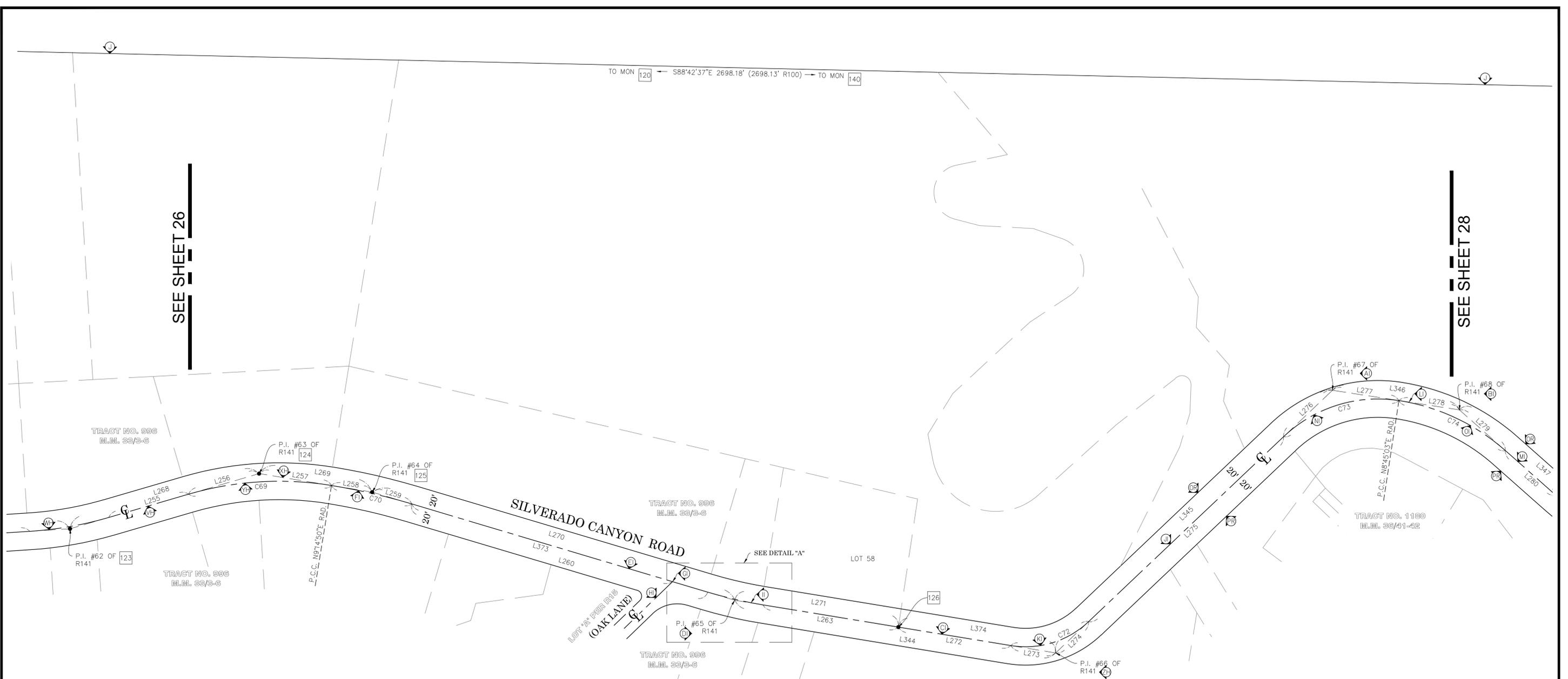
(R=...)
SE 1/4, SE 1/4, SEC. 9,
T8S, R7W,
S.B.M.
INST. NO.
2017000406612

COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		SHEET NO. 25 of 52
SILVERADO CANYON RD GUARDRAIL PROJECT BOUNDARY MAP PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.		
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	REVISIONS MARK DATE ITEM
MAPPING	BY: S. ROBATI	
OFFICE CHECK	BY: J. MORENO, PLS	
FIELD CHECK	BY: J. MORENO	
SCALE: 1" = 50' W.O. #E0212025 FILE #2223PW-CM0013		FILE: SILVERADO_BOUNDARY_2023.DWG

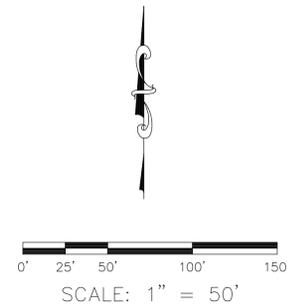
TO MON 120 ← S88°42'37"E 2698.18' (2698.13' R100) → TO MON 140

SEE SHEET 26

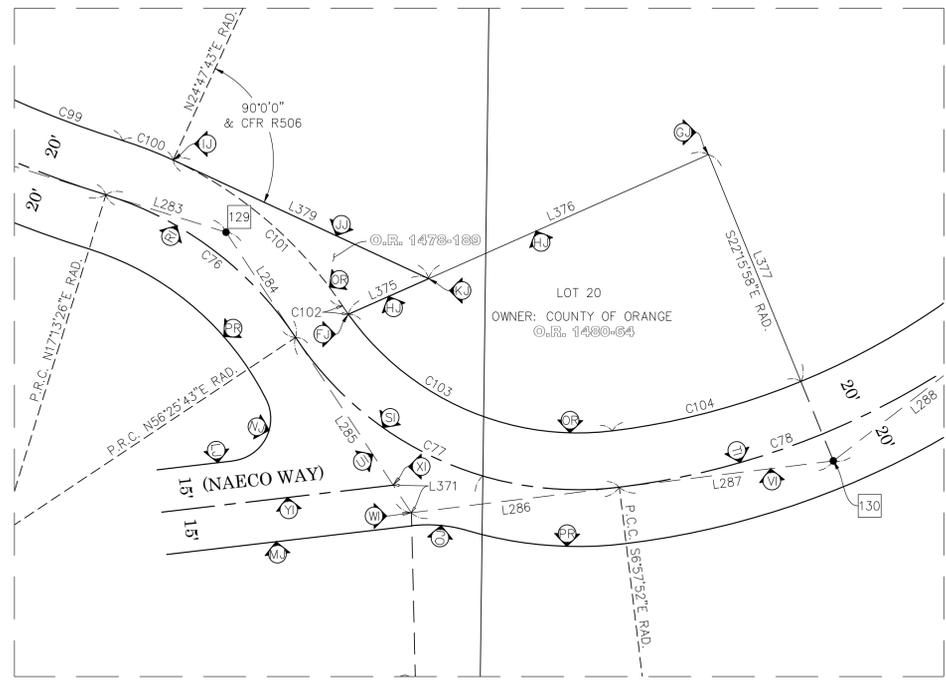
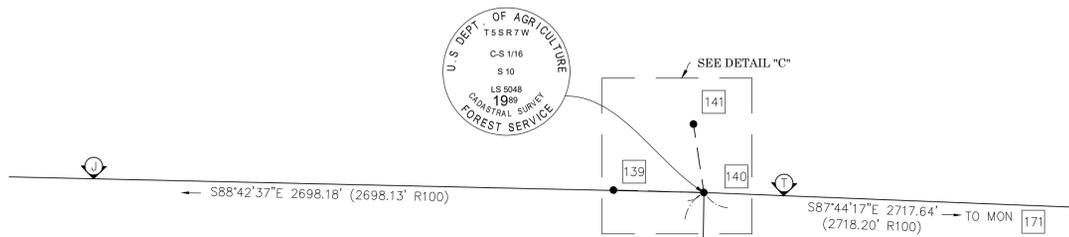
SEE SHEET 28



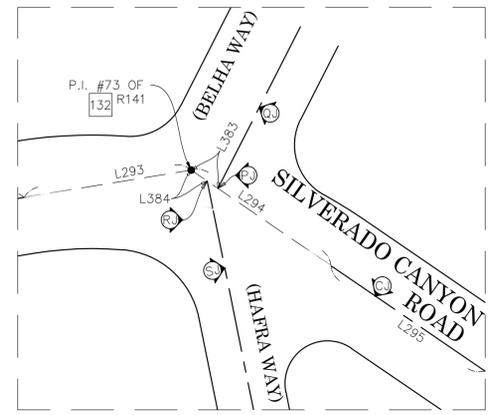
U.S. Survey Foot
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping



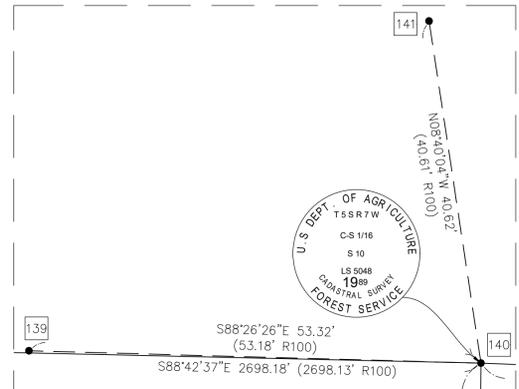
COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		SHEET NO. 27 of 52
SILVERADO CANYON RD GUARDRAIL PROJECT		
BOUNDARY MAP PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.		
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	REVISIONS
MAPPING	BY: S. ROBATI	
OFFICE CHECK	BY: J. MORENO, PLS	
FIELD CHECK	BY: J. MORENO	
SCALE: 1" = 50'	W.O. #E021202S	FILE #2223PW-CM0013
FILE: SILVERADO_BOUNDARY_2023.DWG		



DETAIL "A"
SCALE 1"=30'



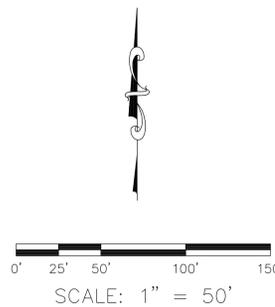
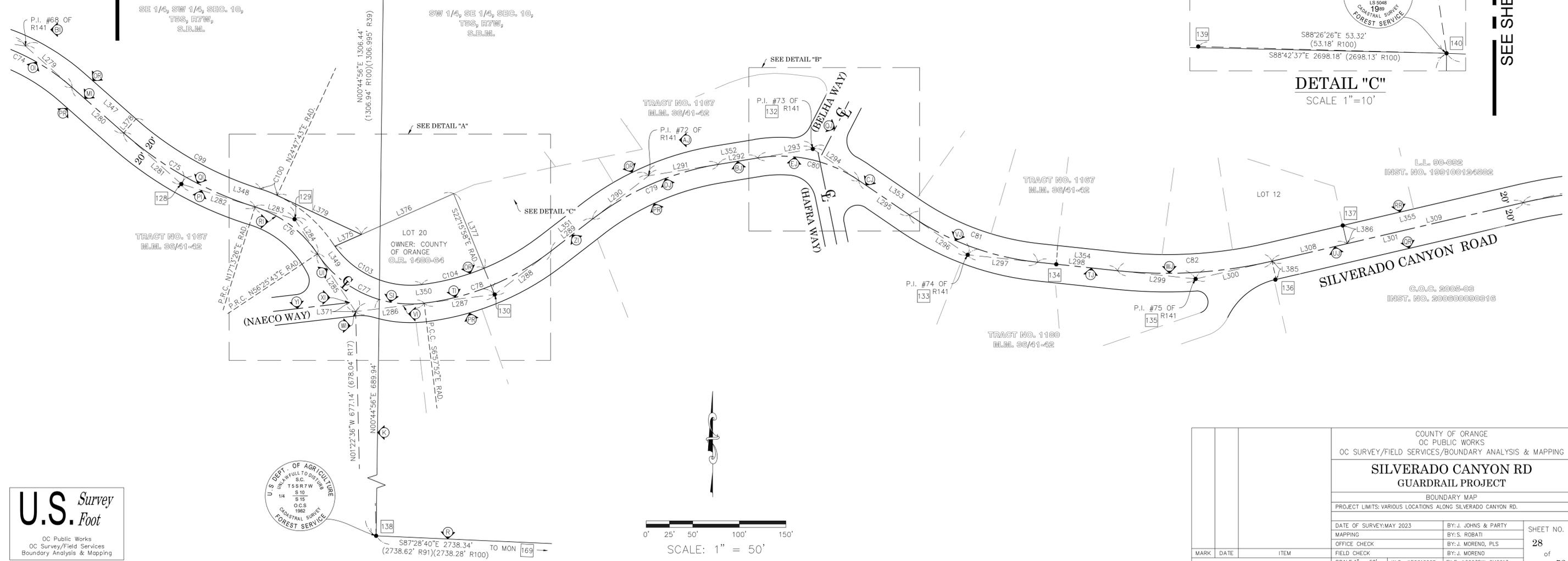
DETAIL "B"
SCALE 1"=30'



DETAIL "C"
SCALE 1"=10'

SEE SHEET 27

SEE SHEET 29

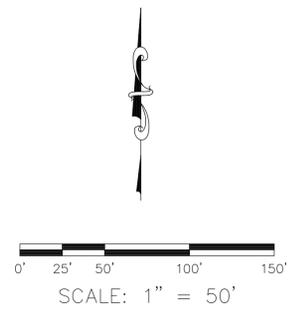
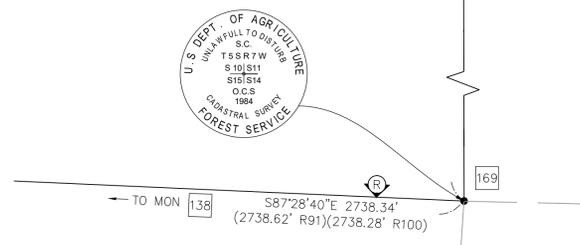
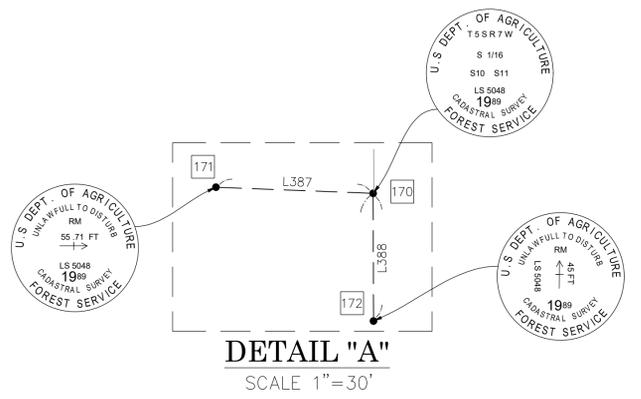
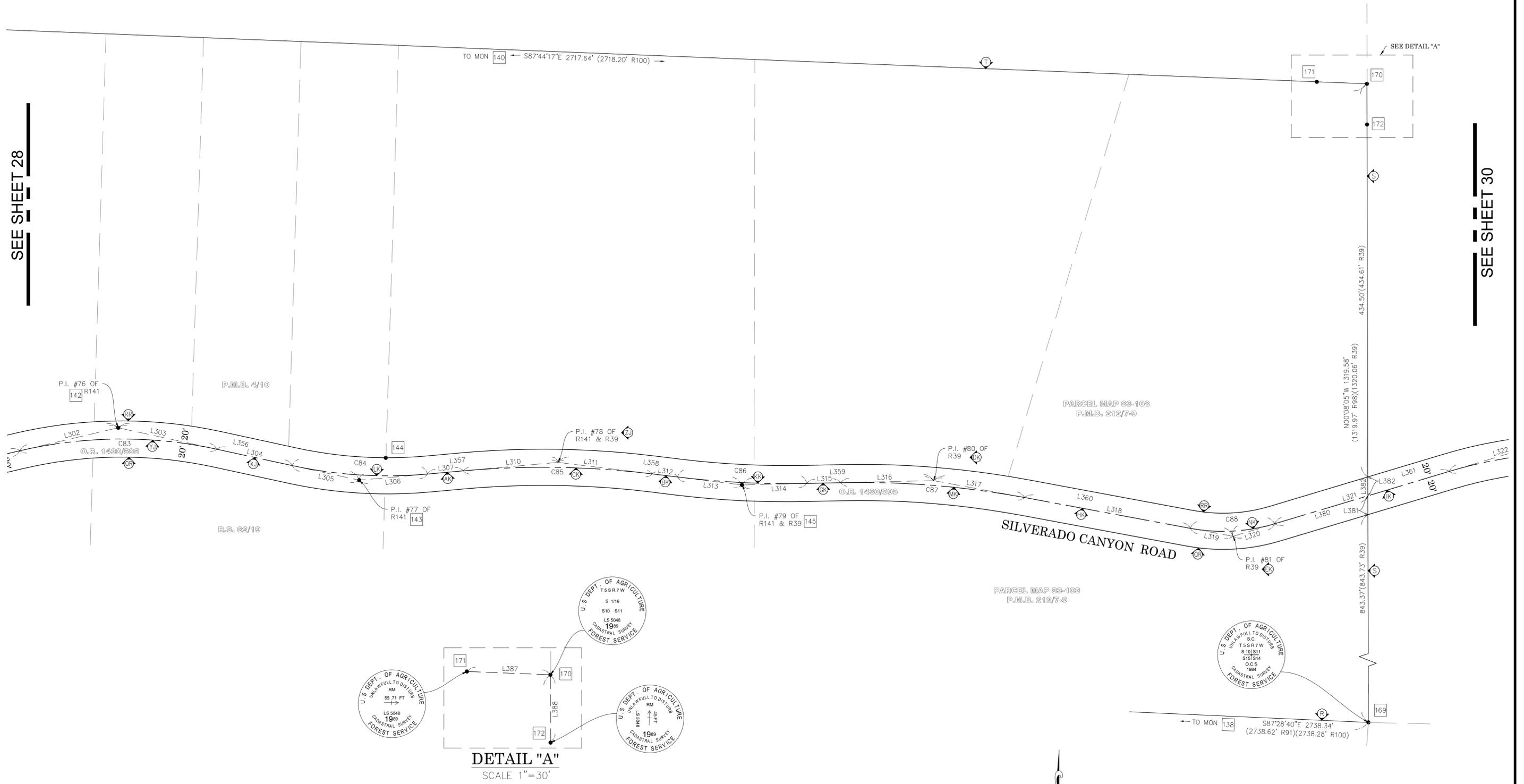


U.S. Survey Foot
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

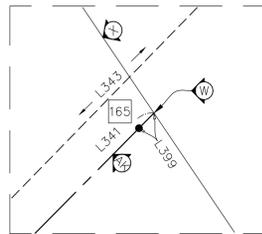
COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
SILVERADO CANYON RD GUARDRAIL PROJECT			
BOUNDARY MAP			
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.			
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO. 28 of 52	
MAPPING	BY: S. ROBATI		
OFFICE CHECK	BY: J. MORENO, PLS		
FIELD CHECK	BY: J. MORENO		
SCALE: 1" = 50'	W.O. #E0212025	FILE #2223PW-CM0013	
FILE: SILVERADO_BOUNDARY_2023.DWG			

SEE SHEET 28

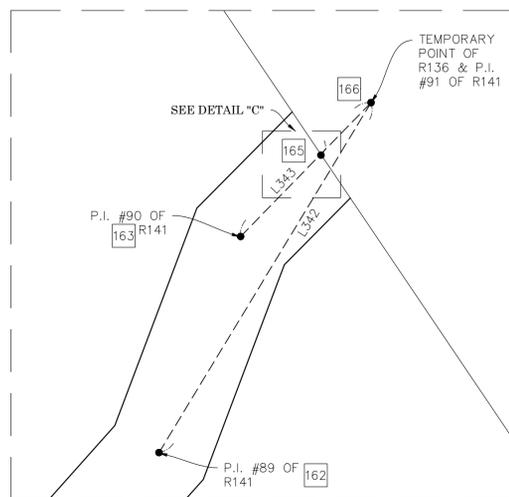
SEE SHEET 30



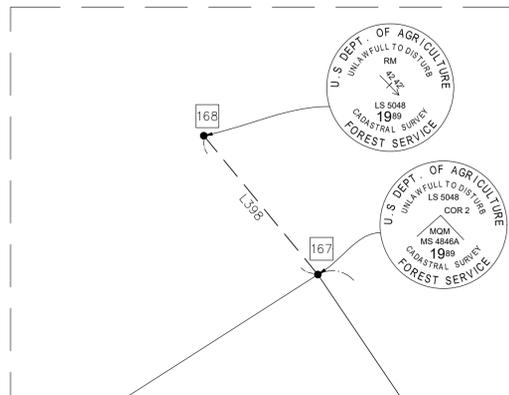
COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		SHEET NO. 29 of 52
SILVERADO CANYON RD GUARDRAIL PROJECT		
BOUNDARY MAP PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.		
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	FILE: SILVERADO_BOUNDARY_2023.DWG
MAPPING	BY: S. ROBATI	
OFFICE CHECK	BY: J. MORENO, PLS	
FIELD CHECK	BY: J. MORENO	
SCALE: 1" = 50'	W.O. #E0212025	FILE #2223PW-CM0013
REVISIONS		



DETAIL "C"
SCALE 1"=1'

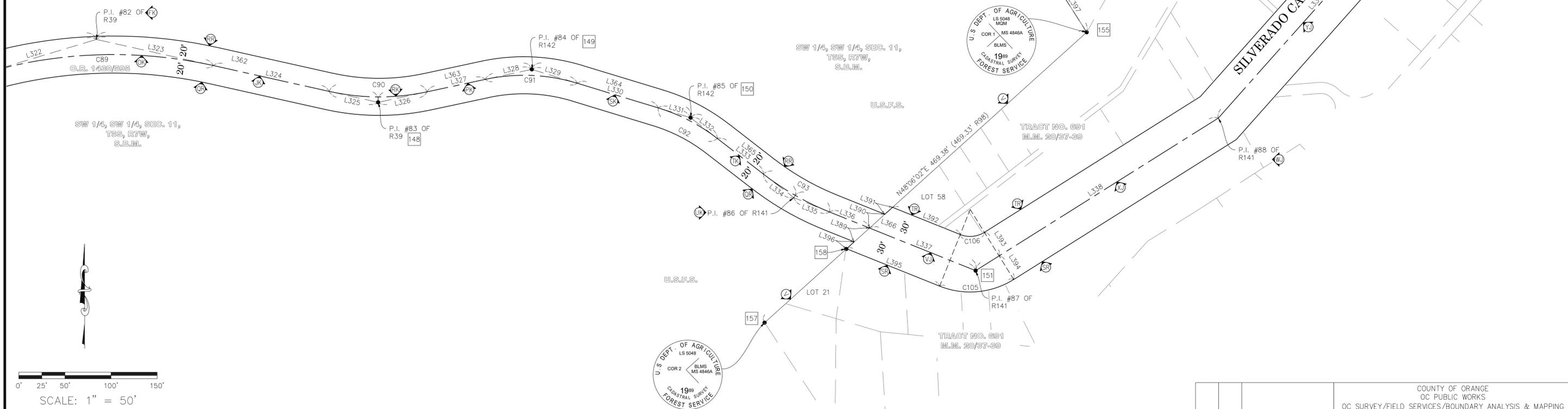


DETAIL "B"
SCALE 1"=50'



DETAIL "A"
SCALE 1"=10'

SEE SHEET 29

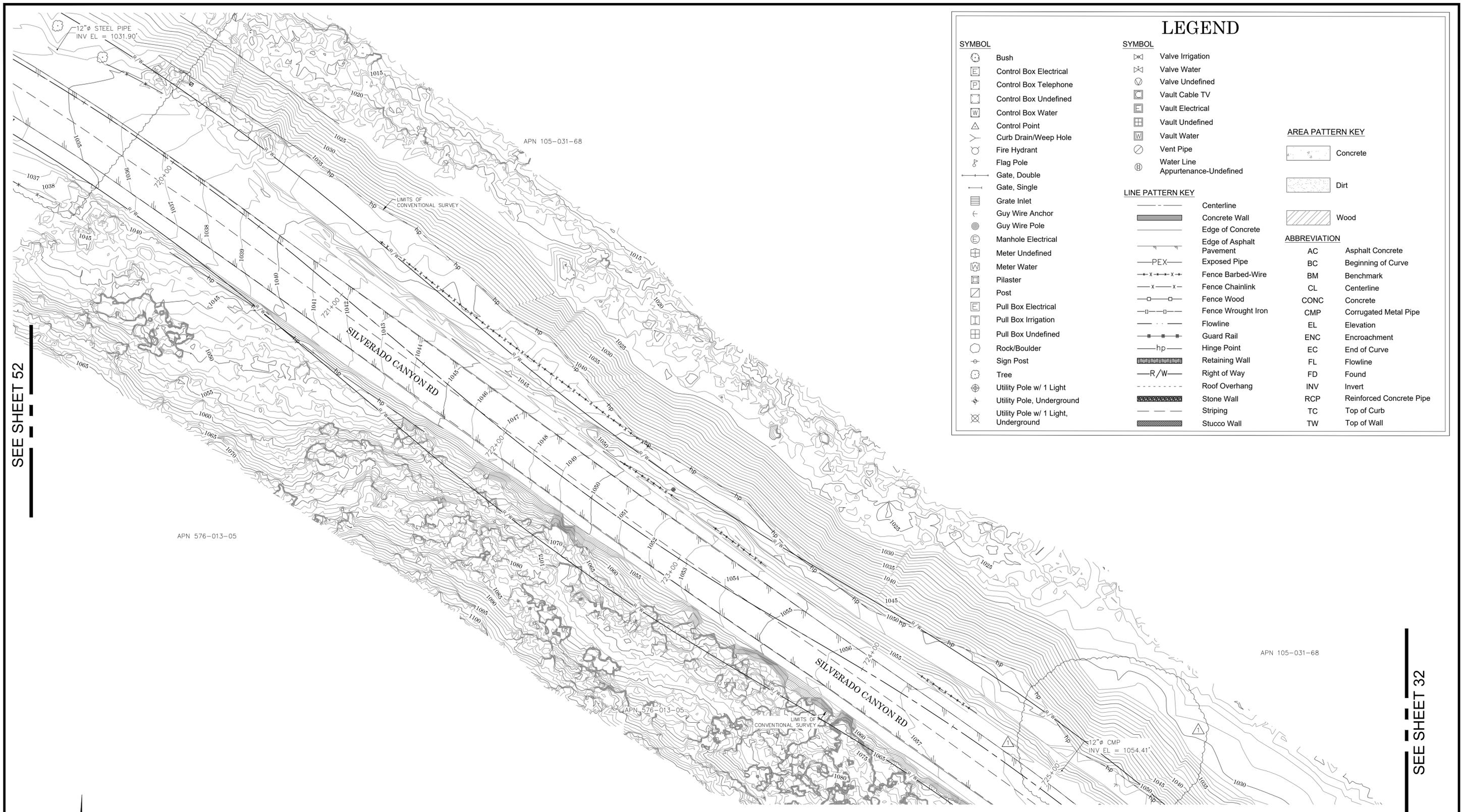


0' 25' 50' 100' 150'
SCALE: 1" = 50'



COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		SHEET NO. 30 of 52
SILVERADO CANYON RD GUARDRAIL PROJECT		
BOUNDARY MAP PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.		
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	REVISIONS
MAPPING	BY: S. ROBATI	
OFFICE CHECK	BY: J. MORENO, PLS	
FIELD CHECK	BY: J. MORENO	
SCALE: 1" = 50' W.O. #E0212025 FILE #2223PW-CM0013		FILE: SILVERADO_BOUNDARY_2023.DWG

SEE SHEET 52



LEGEND

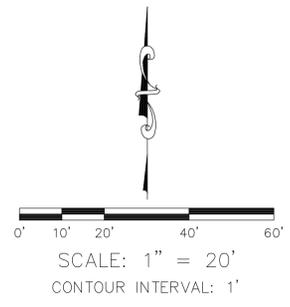
SYMBOL	Bush	Valve Irrigation	AREA PATTERN KEY
Control Box Electrical	Valve Water	Concrete	
Control Box Telephone	Valve Undefined	Dirt	
Control Box Undefined	Vault Cable TV	Wood	
Control Box Water	Vault Electrical	ABBREVIATION	
Control Point	Vault Undefined	AC Asphalt Concrete	
Curb Drain/Weep Hole	Vault Water	BC Beginning of Curve	
Fire Hydrant	Vent Pipe	BM Benchmark	
Flag Pole	Water Line Appurtenance-Undefined	CL Centerline	
Gate, Double		CONC Concrete	
Gate, Single		CMP Corrugated Metal Pipe	
Grate Inlet		EL Elevation	
Guy Wire Anchor		ENC Encroachment	
Guy Wire Pole		EC End of Curve	
Manhole Electrical		FL Flowline	
Meter Undefined		FD Found	
Meter Water		INV Invert	
Pilaster		RCP Reinforced Concrete Pipe	
Post		TC Top of Curb	
Pull Box Electrical		TW Top of Wall	
Pull Box Irrigation			
Pull Box Undefined			
Rock/Boulder			
Sign Post			
Tree			
Utility Pole w/ 1 Light			
Utility Pole, Underground			
Utility Pole w/ 1 Light, Underground			

SYMBOL	Centerline
Concrete Wall	Edge of Concrete
Edge of Asphalt Pavement	Exposed Pipe
PEX	Fence Barbed-Wire
x-x-x-x	Fence Chainlink
x-x	Fence Wood
o-o-o-o	Fence Wrought Iron
Flowline	Guard Rail
Guard Rail	Hinge Point
hp	Retaining Wall
Retaining Wall	Right of Way
R/W	Roof Overhang
Roof Overhang	Stone Wall
Stone Wall	Striping
Striping	Stucco Wall
Stucco Wall	

APN 576-013-05

APN 105-031-68

APN 576-013-05



NOTE:
 OUTSIDE OF "LIMITS OF CONVENTIONAL SURVEY", DATA WAS COLLECTED USING UAV LIDAR.

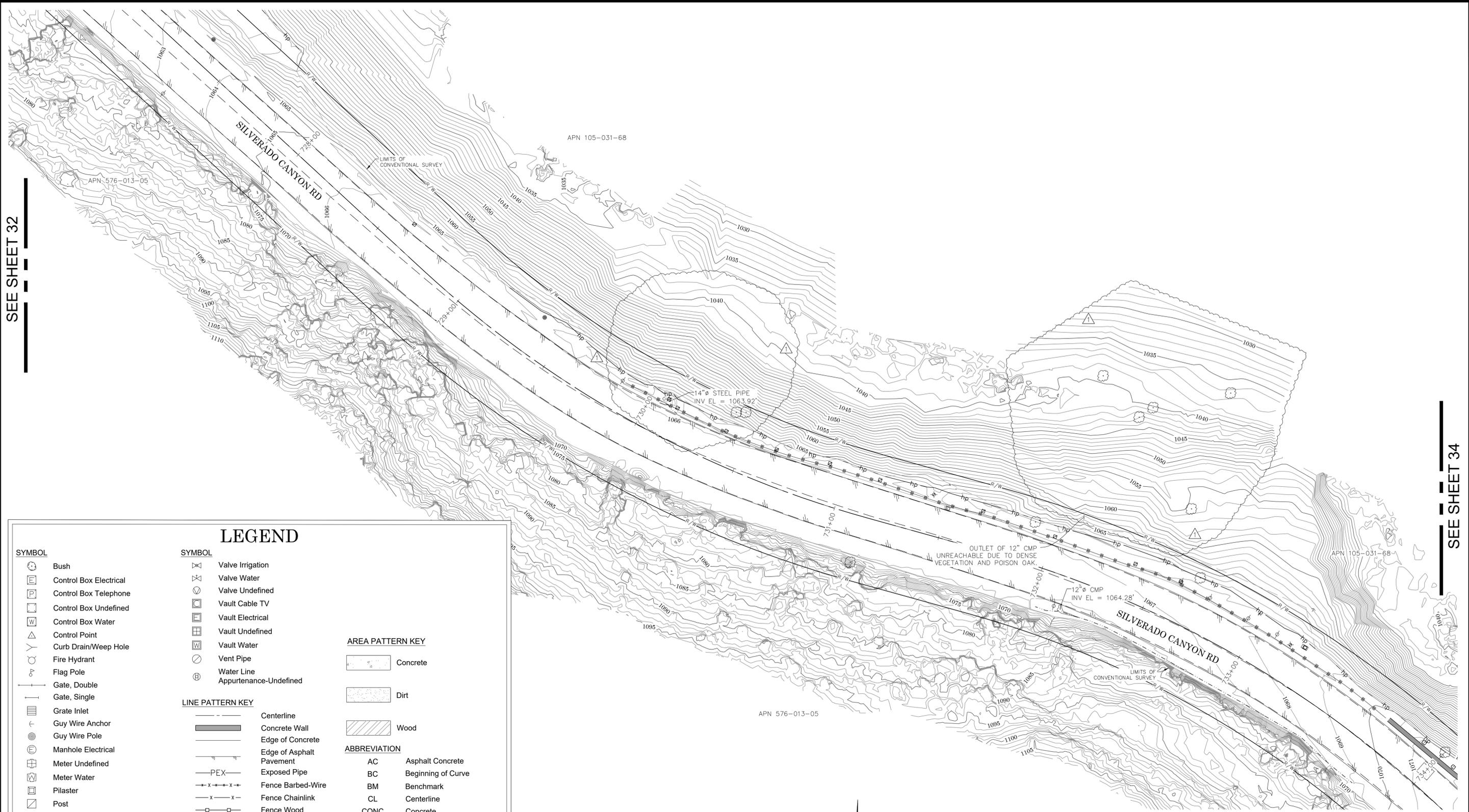


COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
SILVERADO CANYON RD GUARDRAIL PROJECT			
AREA 1			
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.			
DATE	EXTENDED AREA 1, SEE SHEET 52. ADDED ADDITIONAL INFORMATION TO PIPES IN AREA 1.	BY: J. JOHNS & PARTY	SHEET NO.
		BY: J. PEDRETTI	31 of 52
		BY: J. MORENO, PLS	
		BY: J. MORENO	
SCALE: N.T.S.		W.O. #E0212025	FILE #2223PW-CM0013
FILE: GDRAIL_TOPO_2025-1.DWG			

SEE SHEET 32

SEE SHEET 32

SEE SHEET 34



SYMBOL

	Bush
	Control Box Electrical
	Control Box Telephone
	Control Box Undefined
	Control Box Water
	Control Point
	Curb Drain/Weep Hole
	Fire Hydrant
	Flag Pole
	Gate, Double
	Gate, Single
	Grate Inlet
	Guy Wire Anchor
	Guy Wire Pole
	Manhole Electrical
	Meter Undefined
	Meter Water
	Pilaster
	Post
	Pull Box Electrical
	Pull Box Irrigation
	Pull Box Undefined
	Rock/Boulder
	Sign Post
	Tree
	Utility Pole w/ 1 Light
	Utility Pole, Underground
	Utility Pole w/ 1 Light, Underground

LEGEND

SYMBOL

	Valve Irrigation
	Valve Water
	Valve Undefined
	Vault Cable TV
	Vault Electrical
	Vault Undefined
	Vault Water
	Vent Pipe
	Water Line
	Appurtenance-Undefined

LINE PATTERN KEY

	Centerline
	Concrete Wall
	Edge of Concrete
	Edge of Asphalt Pavement
	Exposed Pipe
	Fence Barbed-Wire
	Fence Chainlink
	Fence Wood
	Fence Wrought Iron
	Flowline
	Guard Rail
	Hinge Point
	Retaining Wall
	Right of Way
	Roof Overhang
	Stone Wall
	Striping
	Stucco Wall

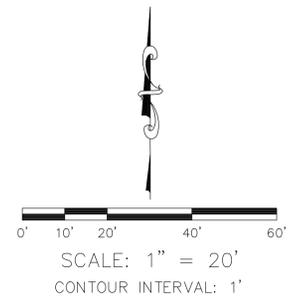
AREA PATTERN KEY

	Concrete
	Dirt
	Wood

ABBREVIATION

AC	Asphalt Concrete
BC	Beginning of Curve
BM	Benchmark
CL	Centerline
CONC	Concrete
CMP	Corrugated Metal Pipe
EL	Elevation
ENC	Encroachment
EC	End of Curve
FL	Flowline
FD	Found
INV	Invert
RCP	Reinforced Concrete Pipe
TC	Top of Curb
TW	Top of Wall

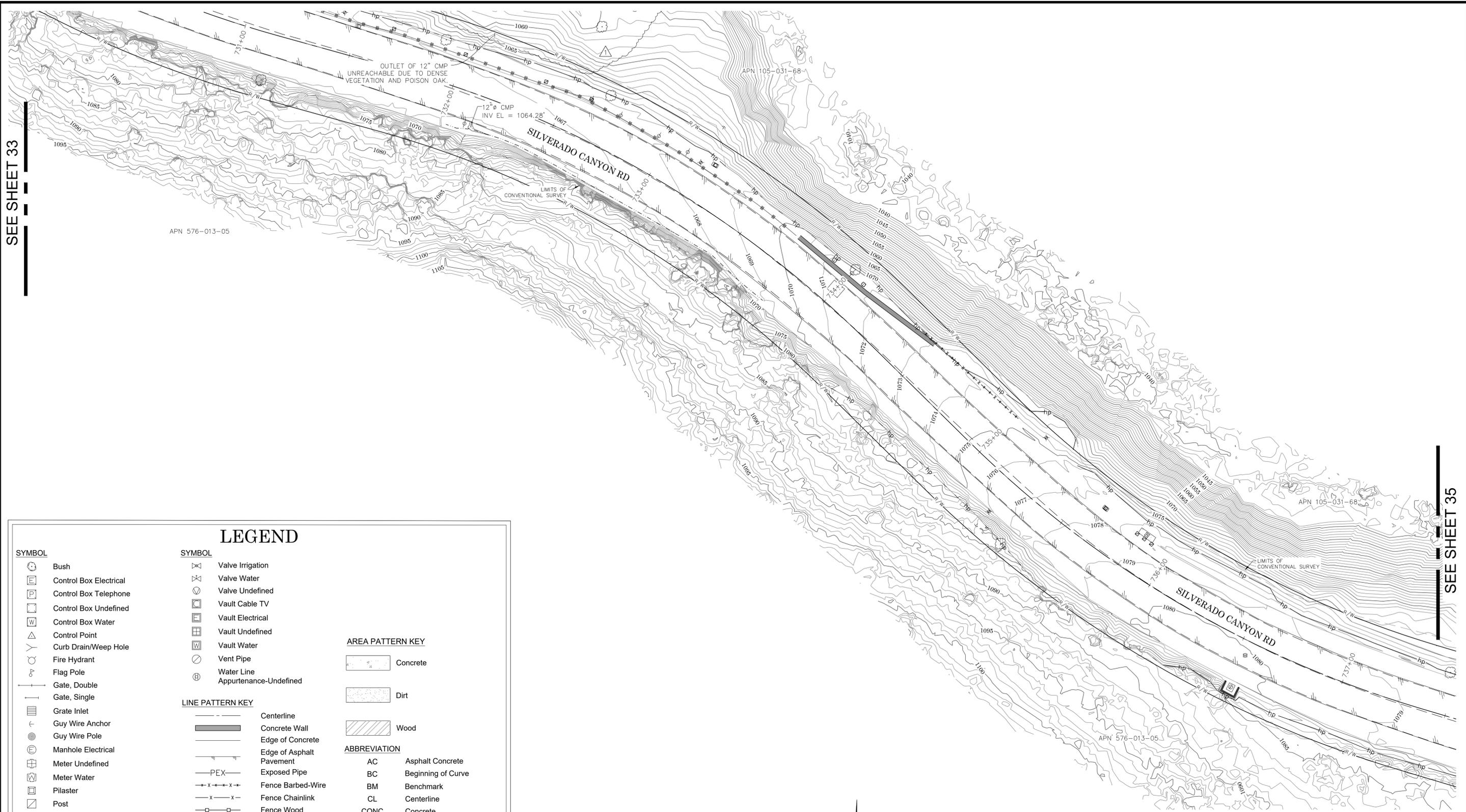
NOTE:
OUTSIDE OF "LIMITS OF CONVENTIONAL SURVEY", DATA WAS COLLECTED USING UAV LIDAR.



AUG 2025 EXTENDED AREA 1, SEE SHEET 52. ADDED ADDITIONAL INFORMATION TO PIPES IN AREA 1.		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		SHEET NO. 33 of 52
		SILVERADO CANYON RD GUARDRAIL PROJECT		
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.		AREA 1		
DATE	ITEM	BY: J. JOHNS & PARTY	FILE: #E0212025	
		BY: J. PEDRETTI	FILE: #2223PW-CM0013	
		BY: J. MORENO, PLS		
		BY: J. MORENO		
REVISIONS		SCALE: N.T.S.		
		W.O. #E0212025		
		FILE: #2223PW-CM0013		
		FILE: GRDRAIL_TOPO_2025-1.DWG		

SEE SHEET 33

SEE SHEET 35



SYMBOL

	Bush
	Control Box Electrical
	Control Box Telephone
	Control Box Undefined
	Control Box Water
	Control Point
	Curb Drain/Weep Hole
	Fire Hydrant
	Flag Pole
	Gate, Double
	Gate, Single
	Grate Inlet
	Guy Wire Anchor
	Guy Wire Pole
	Manhole Electrical
	Meter Undefined
	Meter Water
	Pilaster
	Post
	Pull Box Electrical
	Pull Box Irrigation
	Pull Box Undefined
	Rock/Boulder
	Sign Post
	Tree
	Utility Pole w/ 1 Light
	Utility Pole, Underground
	Utility Pole w/ 1 Light, Underground

LEGEND

SYMBOL

	Valve Irrigation
	Valve Water
	Valve Undefined
	Vault Cable TV
	Vault Electrical
	Vault Undefined
	Vault Water
	Vent Pipe
	Water Line
	Appurtenance-Undefined

AREA PATTERN KEY

	Concrete
	Dirt
	Wood

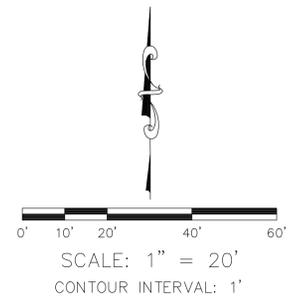
LINE PATTERN KEY

	Centerline
	Concrete Wall
	Edge of Concrete
	Edge of Asphalt Pavement
	Exposed Pipe
	Fence Barbed-Wire
	Fence Chainlink
	Fence Wood
	Fence Wrought Iron
	Flowline
	Guard Rail
	Hinge Point
	Retaining Wall
	Right of Way
	Roof Overhang
	Stone Wall
	Striping
	Stucco Wall

ABBREVIATION

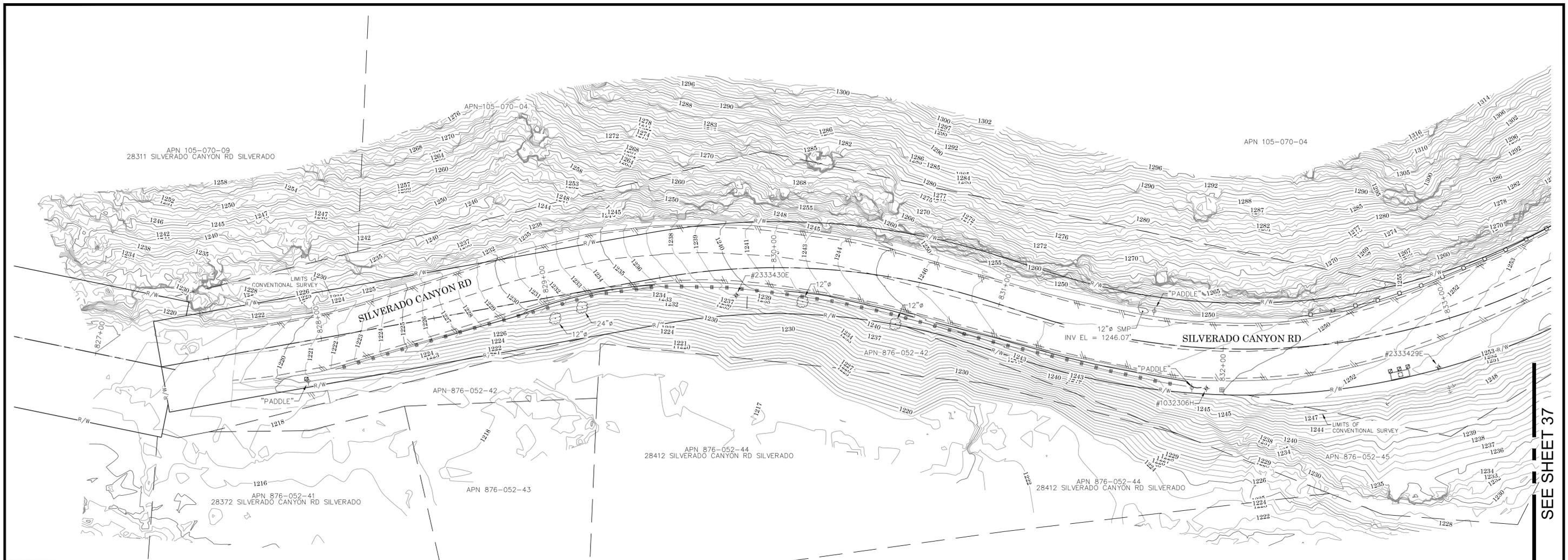
AC	Asphalt Concrete
BC	Beginning of Curve
BM	Benchmark
CL	Centerline
CONC	Concrete
CMP	Corrugated Metal Pipe
EL	Elevation
ENC	Encroachment
EC	End of Curve
FL	Flowline
FD	Found
INV	Invert
RCP	Reinforced Concrete Pipe
TC	Top of Curb
TW	Top of Wall

NOTE:
OUTSIDE OF "LIMITS OF CONVENTIONAL SURVEY", DATA WAS COLLECTED USING UAV LIDAR.



		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		SILVERADO CANYON RD GUARDRAIL PROJECT	
		AREA 1	
		PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.	
AUG 2025	EXTENDED AREA 1, SEE SHEET 52. ADDED ADDITIONAL INFORMATION TO PIPES IN AREA 1.	DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY
		MAPPING	BY: J. PEDRETTI
		OFFICE CHECK	BY: J. MORENO, PLS
		FIELD CHECK	BY: J. MORENO
		SCALE: N.T.S.	W.O. #E0212025
		FILE: #2223PW-CM013	
MARK	DATE	ITEM	REVISIONS

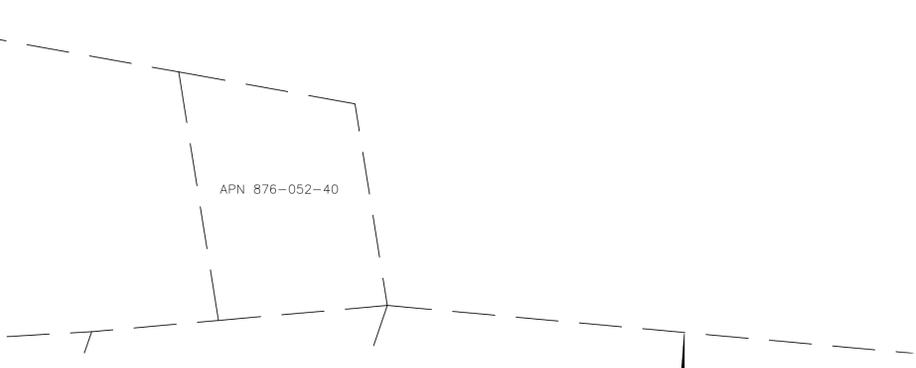
SHEET NO.
34
of
52



SEE SHEET 37

LEGEND

SYMBOL		SYMBOL		AREA PATTERN KEY	
	Bush		Valve Irrigation		Concrete
	Control Box Electrical		Valve Water		Dirt
	Control Box Telephone		Valve Undefined		Wood
	Control Box Undefined		Vault Cable TV		
	Control Box Water		Vault Electrical		
	Control Point		Vault Undefined		
	Curb Drain/Weep Hole		Vault Water		
	Fire Hydrant		Vent Pipe		
	Flag Pole		Water Line		
	Gate, Double		Appurtenance-Undefined		
	Gate, Single				
	Grate Inlet				
	Guy Wire Anchor				
	Guy Wire Pole				
	Manhole Electrical				
	Meter Undefined				
	Meter Water				
	Pilaster				
	Post				
	Pull Box Electrical				
	Pull Box Irrigation				
	Pull Box Undefined				
	Rock/Boulder				
	Sign Post				
	Tree				
	Utility Pole w/ 1 Light				
	Utility Pole, Underground				
	Utility Pole w/ 1 Light, Underground				



NOTE:
OUTSIDE OF "LIMITS OF CONVENTIONAL SURVEY", DATA WAS COLLECTED USING UAV LIDAR.

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

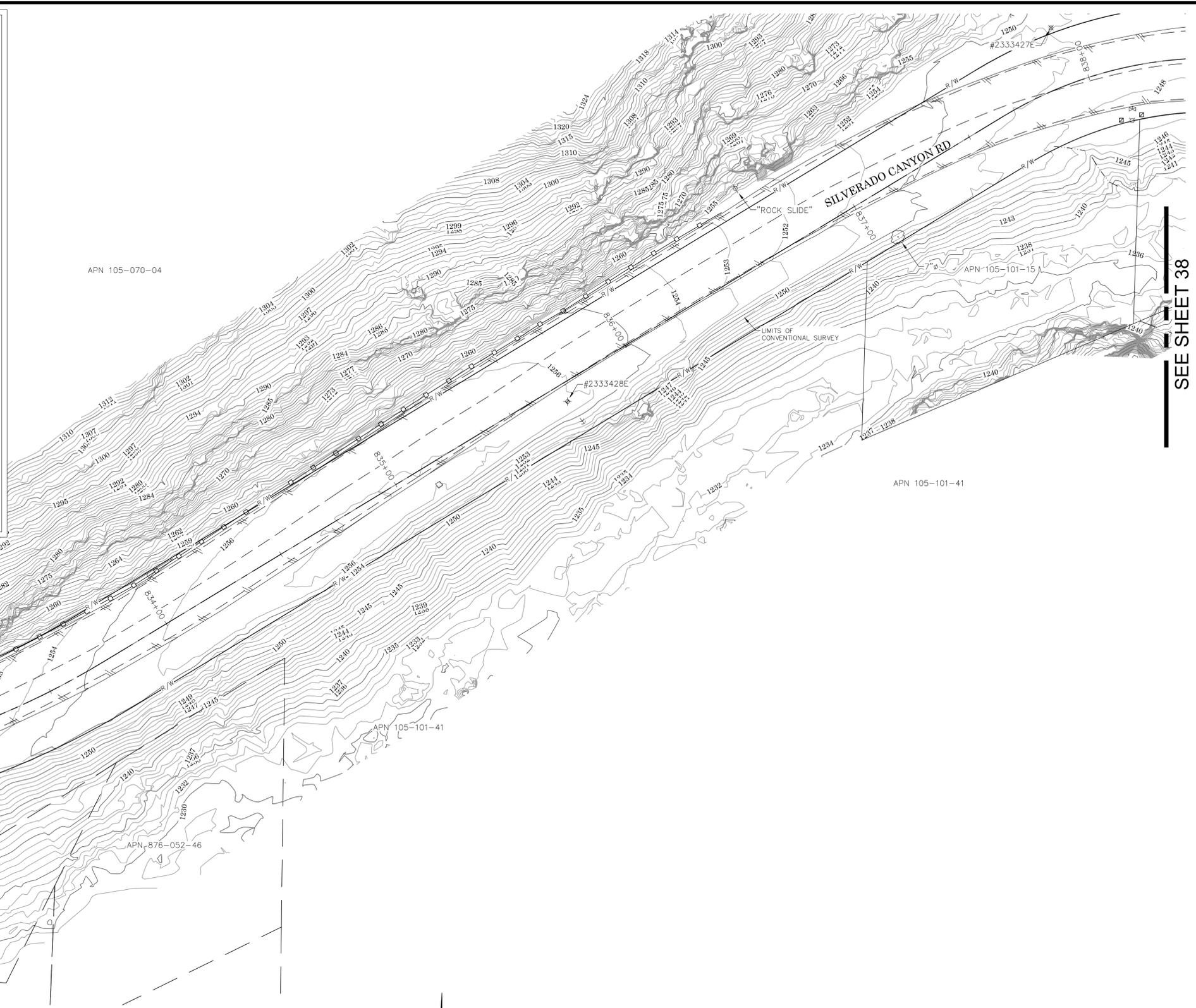


COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		SHEET NO. 36 of 52
SILVERADO CANYON RD GUARDRAIL PROJECT		
AREA 2		
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.		
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	FILE: #2223PW-CM0013
MAPPING	BY: J. PEDRETTI	
OFFICE CHECK	BY: J. MORENO, PLS	FILE: #2223PW-CM0013
FIELD CHECK	BY: J. MORENO	
SCALE: N.T.S.	W.O. #E0212025	FILE: #2223PW-CM0013
FILE: SILVER_GRRAIL_TOPO_2023.DWG		

LEGEND

SYMBOL		SYMBOL		AREA PATTERN KEY	
	Bush		Valve Irrigation		Concrete
	Control Box Electrical		Valve Water		Dirt
	Control Box Telephone		Valve Undefined		Wood
	Control Box Undefined		Vault Cable TV		
	Control Box Water		Vault Electrical		
	Control Point		Vault Undefined		
	Curb Drain/Weep Hole		Vault Water		
	Fire Hydrant		Vent Pipe		
	Flag Pole		Water Line		
	Gate, Double		Appurtenance-Undefined		
	Gate, Single				
	Grate Inlet	LINE PATTERN KEY			
	Guy Wire Anchor		Centerline		
	Guy Wire Pole		Concrete Wall		
	Manhole Electrical		Edge of Concrete		
	Meter Undefined		Edge of Asphalt Pavement		
	Meter Water		Exposed Pipe		
	Pilaster		PEX		
	Post		Fence Barbed-Wire		
	Pull Box Electrical		Fence Chainlink		
	Pull Box Irrigation		Fence Wood		
	Pull Box Undefined		Fence Wrought Iron		
	Rock/Boulder		Flowline		
	Sign Post		Guard Rail		
	Tree		Hinge Point		
	Utility Pole w/ 1 Light		Retaining Wall		
	Utility Pole, Underground		Roof Overhang		
	Utility Pole w/ 1 Light, Underground		Stone Wall		
			Striping		
			Stucco Wall		

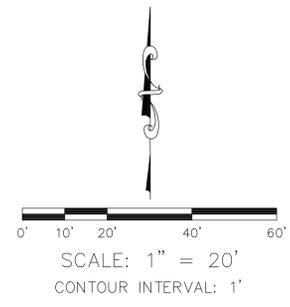
ABBREVIATION	
AC	Asphalt Concrete
BC	Beginning of Curve
BM	Benchmark
CL	Centerline
CONC	Concrete
CMP	Corrugated Metal Pipe
CP	Control Point
EL	Elevation
EC	End of Curve
FL	Flowline
FD	Found
INV	Invert
RCP	Reinforced Concrete Pipe
TC	Top of Curb
TW	Top of Wall



SEE SHEET 36

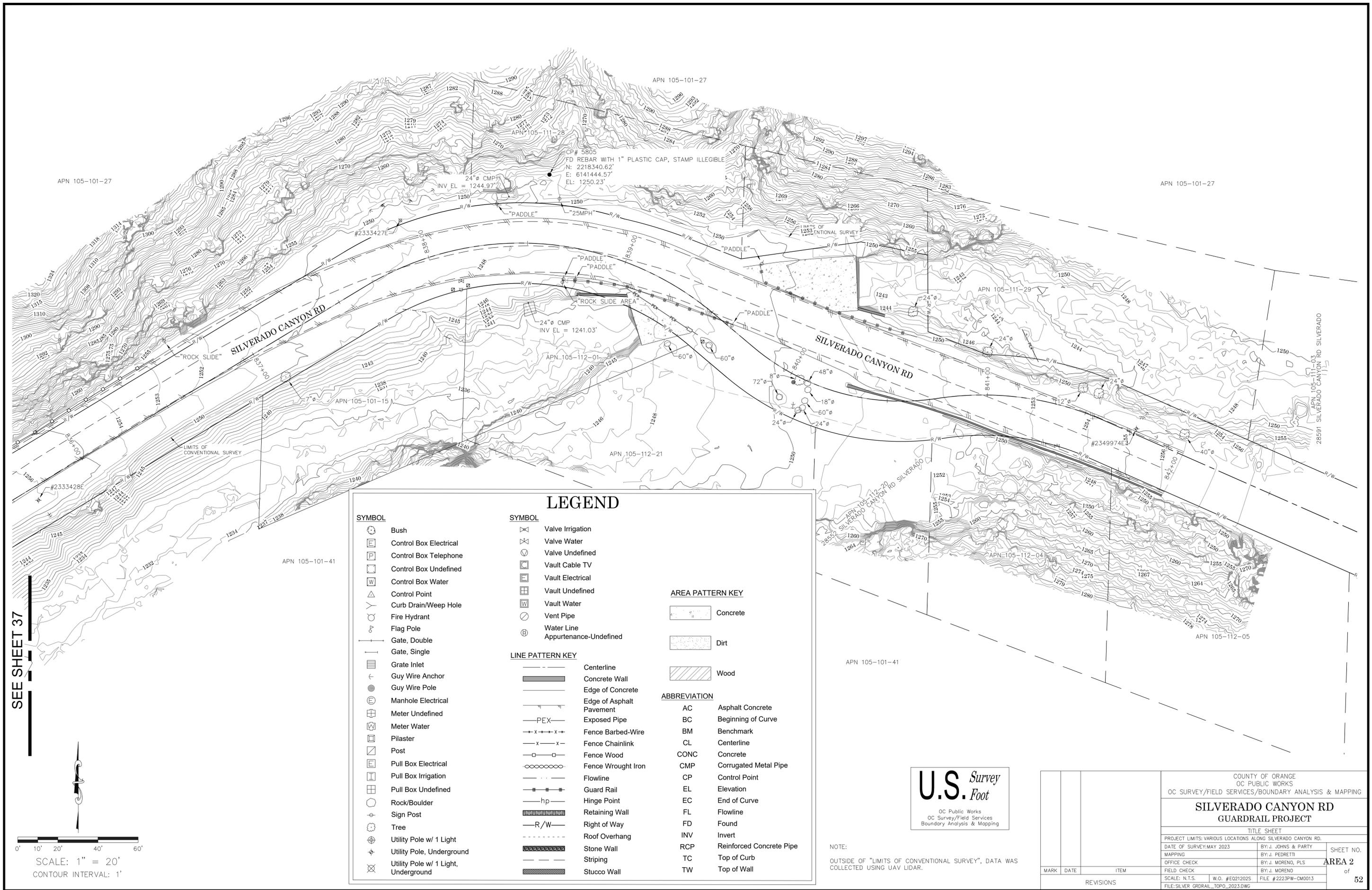
SEE SHEET 38

NOTE:
OUTSIDE OF "LIMITS OF CONVENTIONAL SURVEY", DATA WAS COLLECTED USING UAV LIDAR.

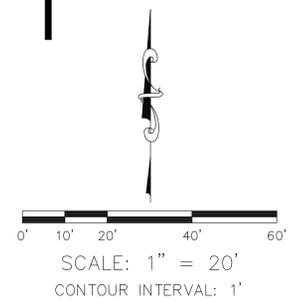


COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
SILVERADO CANYON RD GUARDRAIL PROJECT	
AREA 2	
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.	
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY
MAPPING	BY: J. PEDRETTI
OFFICE CHECK	BY: J. MORENO, PLS
FIELD CHECK	BY: J. MORENO
SCALE: N.T.S.	W.O. #E021202S
FILE: #2233PW-CM0013	FILE: #2233PW-CM0013
FILE: SILVER_GRRAIL_TOPO_2023.DWG	

SHEET NO.
37
of
52



SEE SHEET 37



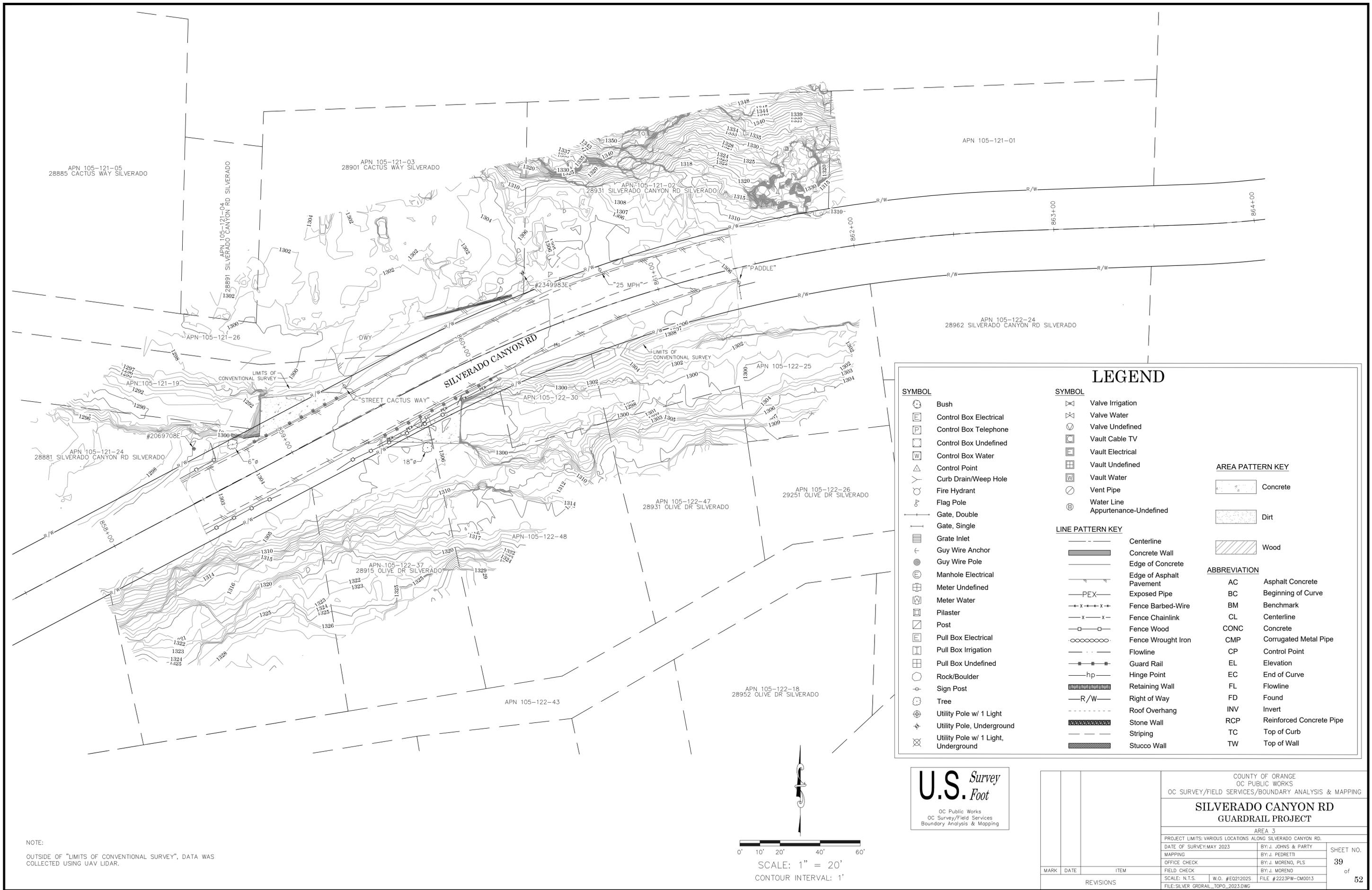
LEGEND

<p>SYMBOL</p> <ul style="list-style-type: none"> Bush Control Box Electrical Control Box Telephone Control Box Undefined Control Box Water Control Point Curb Drain/Weep Hole Fire Hydrant Flag Pole Gate, Double Gate, Single Grate Inlet Guy Wire Anchor Guy Wire Pole Manhole Electrical Meter Undefined Meter Water Pilaster Post Pull Box Electrical Pull Box Irrigation Pull Box Undefined Rock/Boulder Sign Post Tree Utility Pole w/ 1 Light Utility Pole, Underground Utility Pole w/ 1 Light, Underground 	<p>SYMBOL</p> <ul style="list-style-type: none"> Valve Irrigation Valve Water Valve Undefined Vault Cable TV Vault Electrical Vault Undefined Vault Water Vent Pipe Water Line Appurtenance-Undefined <p>LINE PATTERN KEY</p> <ul style="list-style-type: none"> Centerline Concrete Wall Edge of Concrete Edge of Asphalt Pavement Exposed Pipe Fence Barbed-Wire Fence Chainlink Fence Wood Fence Wrought Iron Flowline Guard Rail Hinge Point Retaining Wall Right of Way Roof Overhang Stone Wall Striping Stucco Wall 	<p>AREA PATTERN KEY</p> <ul style="list-style-type: none"> Concrete Dirt Wood <p>ABBREVIATION</p> <table border="0"> <tr><td>AC</td><td>Asphalt Concrete</td></tr> <tr><td>BC</td><td>Beginning of Curve</td></tr> <tr><td>BM</td><td>Benchmark</td></tr> <tr><td>CL</td><td>Centerline</td></tr> <tr><td>CONC</td><td>Concrete</td></tr> <tr><td>CMP</td><td>Corrugated Metal Pipe</td></tr> <tr><td>CP</td><td>Control Point</td></tr> <tr><td>EL</td><td>Elevation</td></tr> <tr><td>EC</td><td>End of Curve</td></tr> <tr><td>FL</td><td>Flowline</td></tr> <tr><td>FD</td><td>Found</td></tr> <tr><td>INV</td><td>Invert</td></tr> <tr><td>RCP</td><td>Reinforced Concrete Pipe</td></tr> <tr><td>TC</td><td>Top of Curb</td></tr> <tr><td>TW</td><td>Top of Wall</td></tr> </table>	AC	Asphalt Concrete	BC	Beginning of Curve	BM	Benchmark	CL	Centerline	CONC	Concrete	CMP	Corrugated Metal Pipe	CP	Control Point	EL	Elevation	EC	End of Curve	FL	Flowline	FD	Found	INV	Invert	RCP	Reinforced Concrete Pipe	TC	Top of Curb	TW	Top of Wall
AC	Asphalt Concrete																															
BC	Beginning of Curve																															
BM	Benchmark																															
CL	Centerline																															
CONC	Concrete																															
CMP	Corrugated Metal Pipe																															
CP	Control Point																															
EL	Elevation																															
EC	End of Curve																															
FL	Flowline																															
FD	Found																															
INV	Invert																															
RCP	Reinforced Concrete Pipe																															
TC	Top of Curb																															
TW	Top of Wall																															

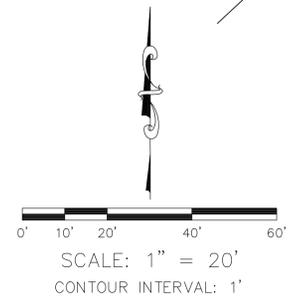


NOTE:
OUTSIDE OF "LIMITS OF CONVENTIONAL SURVEY", DATA WAS COLLECTED USING UAV LIDAR.

COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
SILVERADO CANYON RD GUARDRAIL PROJECT	
TITLE SHEET	
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.	
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY
MAPPING	BY: J. PEDRETTI
OFFICE CHECK	BY: J. MORENO, PLS
FIELD CHECK	BY: J. MORENO
SCALE: N.T.S.	W.O. #E0212025
FILE: #2233PW-CM0013	
MARK	DATE
ITEM	
REVISIONS	
SHEET NO. AREA 2 of 52	



NOTE:
 OUTSIDE OF "LIMITS OF CONVENTIONAL SURVEY", DATA WAS
 COLLECTED USING UAV LIDAR.



LEGEND

<p>SYMBOL</p> <ul style="list-style-type: none"> Bush Control Box Electrical Control Box Telephone Control Box Undefined Control Box Water Control Point Curb Drain/Weep Hole Fire Hydrant Flag Pole Gate, Double Gate, Single Grate Inlet Guy Wire Anchor Guy Wire Pole Manhole Electrical Meter Undefined Meter Water Pilaster Post Pull Box Electrical Pull Box Irrigation Pull Box Undefined Rock/Boulder Sign Post Tree Utility Pole w/ 1 Light Utility Pole, Underground Utility Pole w/ 1 Light, Underground 	<p>SYMBOL</p> <ul style="list-style-type: none"> Valve Irrigation Valve Water Valve Undefined Vault Cable TV Vault Electrical Vault Undefined Vault Water Vent Pipe Water Line Appurtenance-Undefined 	<p>AREA PATTERN KEY</p> <ul style="list-style-type: none"> Concrete Dirt Wood
<p>SYMBOL</p> <ul style="list-style-type: none"> Centerline Concrete Wall Edge of Concrete Edge of Asphalt Pavement Exposed Pipe PEX Fence Barbed-Wire Fence Chainlink Fence Wood Fence Wrought Iron Flowline Guard Rail Hinge Point Retaining Wall Right of Way Roof Overhang Stone Wall Striping Stucco Wall 	<p>ABBREVIATION</p> <ul style="list-style-type: none"> AC Asphalt Concrete BC Beginning of Curve BM Benchmark CL Centerline CONC Concrete CMP Corrugated Metal Pipe CP Control Point EL Elevation EC End of Curve FL Flowline FD Found INV Invert RCP Reinforced Concrete Pipe TC Top of Curb TW Top of Wall 	



COUNTY OF ORANGE OC PUBLIC WORKS		OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
SILVERADO CANYON RD GUARDRAIL PROJECT			
AREA 3			
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.			
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO. 39 of 52	
MAPPING	BY: J. PEDRETTI		
OFFICE CHECK	BY: J. MORENO, PLS		
FIELD CHECK	BY: J. MORENO		
SCALE: N.T.S.	W.O. #E0212025		
FILE: SILVER_GRRAIL_TOPO_2023.DWG		REVISIONS	

LEGEND

SYMBOL		SYMBOL		AREA PATTERN KEY	
	Bush		Valve Irrigation		Concrete
	Control Box Electrical		Valve Water		Dirt
	Control Box Telephone		Valve Undefined		Wood
	Control Box Undefined		Vault Cable TV		
	Control Box Water		Vault Electrical		
	Control Point		Vault Undefined		
	Curb Drain/Weep Hole		Vault Water		
	Fire Hydrant		Vent Pipe		
	Flag Pole		Water Line		
	Gate, Double		Appurtenance-Undefined		
	Gate, Single				
	Grate Inlet				
	Guy Wire Anchor				
	Guy Wire Pole				
	Manhole Electrical				
	Meter Undefined				
	Meter Water				
	Pilaster				
	Post				
	Pull Box Electrical				
	Pull Box Irrigation				
	Pull Box Undefined				
	Rock/Boulder				
	Sign Post				
	Tree				
	Utility Pole w/ 1 Light				
	Utility Pole, Underground				
	Utility Pole w/ 1 Light, Underground				

AREA PATTERN KEY

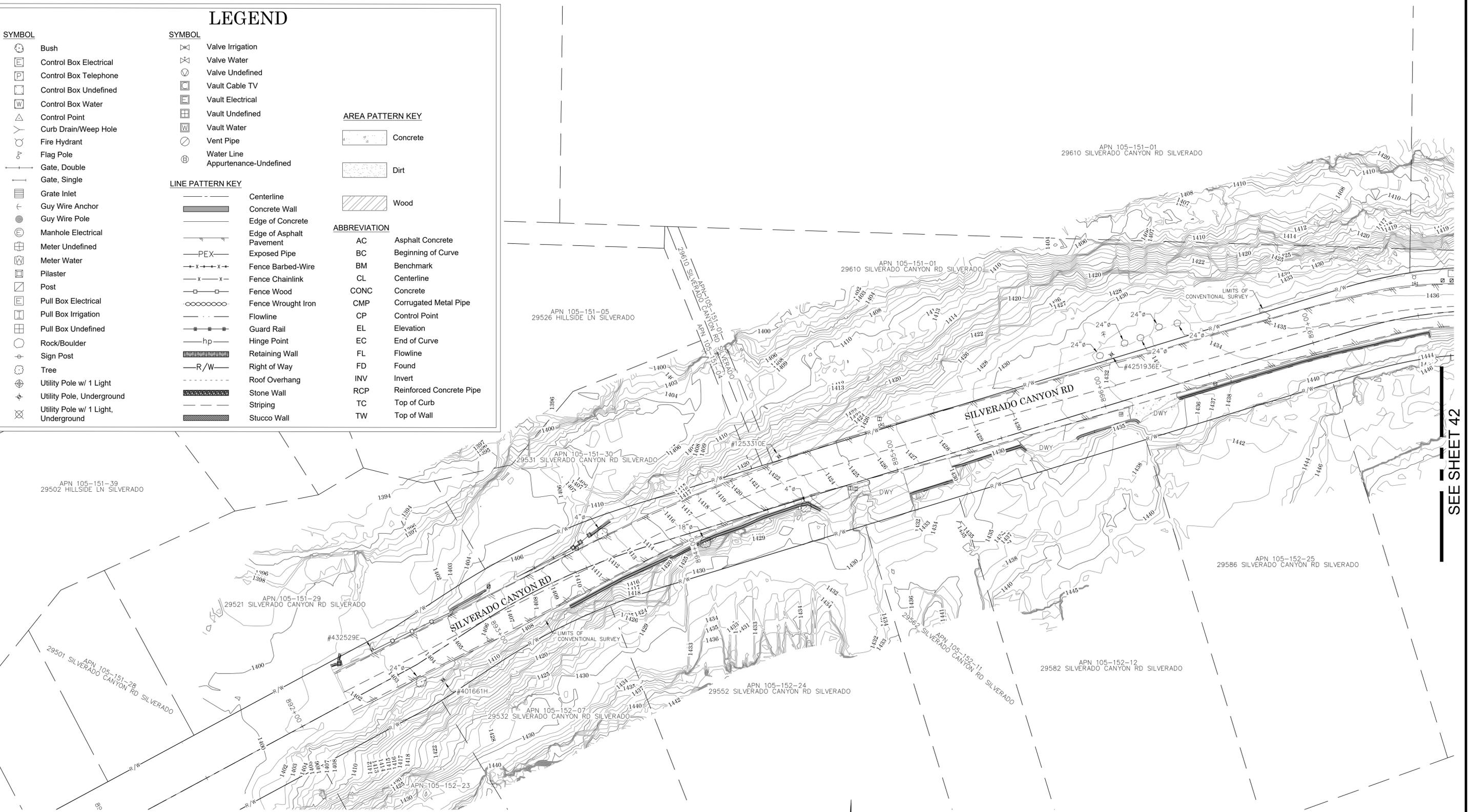
	Concrete
	Dirt
	Wood

ABBREVIATION

AC	Asphalt Concrete
BC	Beginning of Curve
BM	Benchmark
CL	Centerline
CONC	Concrete
CMP	Corrugated Metal Pipe
CP	Control Point
EL	Elevation
EC	End of Curve
FL	Flowline
FD	Found
INV	Invert
RCP	Reinforced Concrete Pipe
TC	Top of Curb
TW	Top of Wall

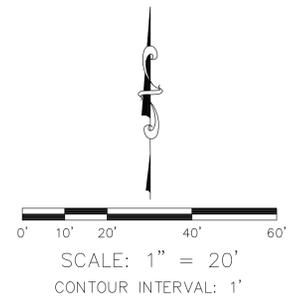
LINE PATTERN KEY

	Centerline
	Concrete Wall
	Edge of Concrete
	Edge of Asphalt Pavement
	Exposed Pipe
	Fence Barbed-Wire
	Fence Chainlink
	Fence Wood
	Fence Wrought Iron
	Flowline
	Guard Rail
	Hinge Point
	Retaining Wall
	Right of Way
	Roof Overhang
	Stone Wall
	Striping
	Stucco Wall



SEE SHEET 42

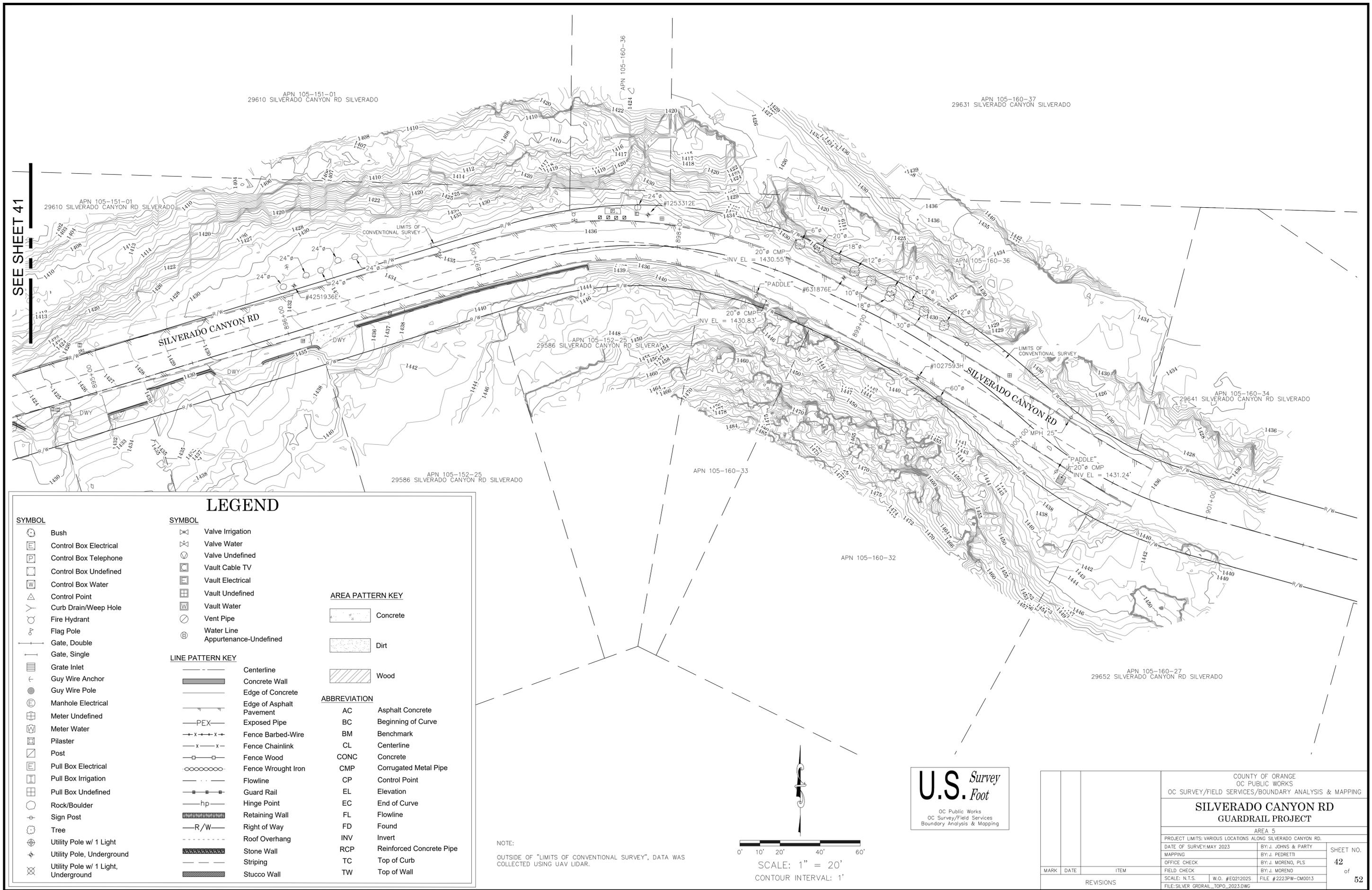
NOTE:
OUTSIDE OF "LIMITS OF CONVENTIONAL SURVEY", DATA WAS COLLECTED USING UAV LIDAR.



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			
SILVERADO CANYON RD GUARDRAIL PROJECT			
AREA 5			
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.			
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO.	
MAPPING	BY: J. PEDRETTI	41	
OFFICE CHECK	BY: J. MORENO, PLS	of	
FIELD CHECK	BY: J. MORENO	52	
SCALE: N.T.S.	W.O. #E0212025	FILE #2223PW-CM0013	
FILE: SILVER GRDRAIL_TOPO_2023.DWG			



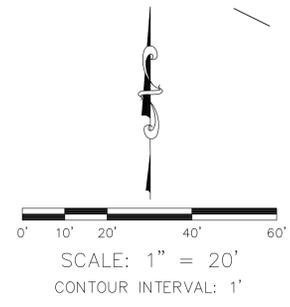
SEE SHEET 41

LEGEND

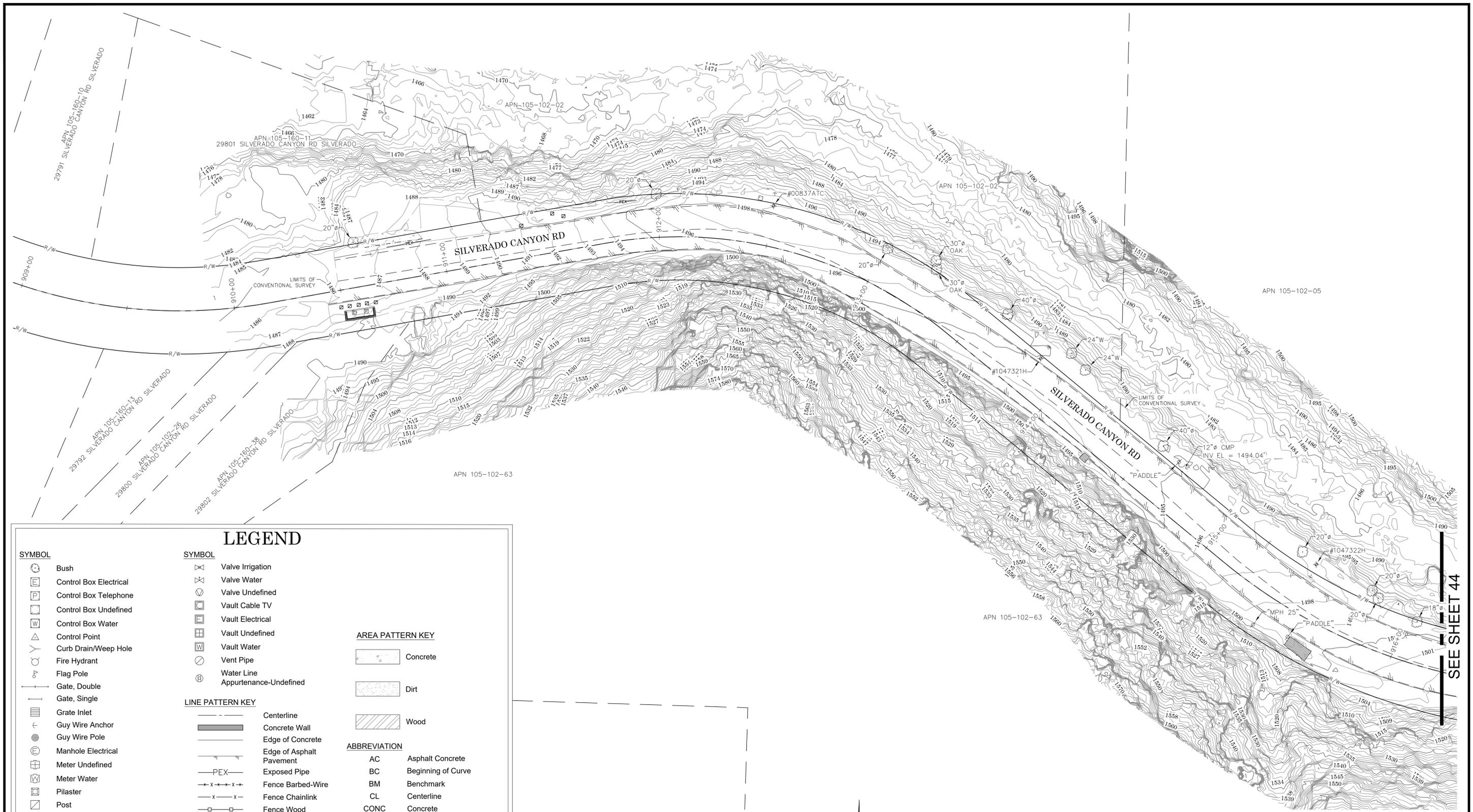
SYMBOL		SYMBOL		AREA PATTERN KEY	
	Bush		Valve Irrigation		Concrete
	Control Box Electrical		Valve Water		Dirt
	Control Box Telephone		Valve Undefined		Wood
	Control Box Undefined		Vault Cable TV		
	Control Box Water		Vault Electrical		
	Control Point		Vault Undefined		
	Curb Drain/Weep Hole		Vault Water		
	Fire Hydrant		Vent Pipe		
	Flag Pole		Water Line		
	Gate, Double		Appurtenance-Undefined		
	Gate, Single				
	Grate Inlet				
	Guy Wire Anchor				
	Guy Wire Pole				
	Manhole Electrical				
	Meter Undefined				
	Meter Water				
	Pilaster				
	Post				
	Pull Box Electrical				
	Pull Box Irrigation				
	Pull Box Undefined				
	Rock/Boulder				
	Sign Post				
	Tree				
	Utility Pole w/ 1 Light				
	Utility Pole, Underground				
	Utility Pole w/ 1 Light, Underground				

LINE PATTERN KEY		ABBREVIATION	
	Centerline	AC	Asphalt Concrete
	Concrete Wall	BC	Beginning of Curve
	Edge of Concrete	BM	Benchmark
	Edge of Asphalt Pavement	CL	Centerline
	Exposed Pipe	CONC	Concrete
	Fence Barbed-Wire	CMP	Corrugated Metal Pipe
	Fence Chainlink	CP	Control Point
	Fence Wood	EL	Elevation
	Fence Wrought Iron	EC	End of Curve
	Flowline	FL	Flowline
	Guard Rail	FD	Found
	Hinge Point	INV	Invert
	Retaining Wall	RCP	Reinforced Concrete Pipe
	Right of Way	TC	Top of Curb
	Roof Overhang	TW	Top of Wall
	Stone Wall		
	Striping		
	Stucco Wall		

NOTE:
OUTSIDE OF "LIMITS OF CONVENTIONAL SURVEY", DATA WAS COLLECTED USING UAV LIDAR.



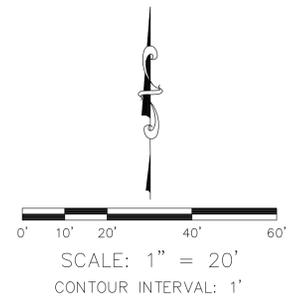
		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		SILVERADO CANYON RD GUARDRAIL PROJECT	
		AREA 5	
		PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.	
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO.	
MAPPING	BY: J. PEDRETTI	42	
OFFICE CHECK	BY: J. MORENO, PLS	of	
FIELD CHECK	BY: J. MORENO	52	
SCALE: N.T.S.	W.O. #E0212025	FILE #2223PW-CM0013	
REVISIONS		FILE: SILVER_GRRAIL_TOPO_2023.DWG	



LEGEND

<p>SYMBOL</p> <ul style="list-style-type: none"> Bush Control Box Electrical Control Box Telephone Control Box Undefined Control Box Water Control Point Curb Drain/Weep Hole Fire Hydrant Flag Pole Gate, Double Gate, Single Grate Inlet Guy Wire Anchor Guy Wire Pole Manhole Electrical Meter Undefined Meter Water Pilaster Post Pull Box Electrical Pull Box Irrigation Pull Box Undefined Rock/Boulder Sign Post Tree Utility Pole w/ 1 Light Utility Pole, Underground Utility Pole w/ 1 Light, Underground 	<p>SYMBOL</p> <ul style="list-style-type: none"> Valve Irrigation Valve Water Valve Undefined Vault Cable TV Vault Electrical Vault Undefined Vault Water Vent Pipe Water Line Appurtenance-Undefined <p>LINE PATTERN KEY</p> <ul style="list-style-type: none"> Centerline Concrete Wall Edge of Concrete Edge of Asphalt Pavement Exposed Pipe Fence Barbed-Wire Fence Chainlink Fence Wood Fence Wrought Iron Flowline Guard Rail Hinge Point Retaining Wall Right of Way Roof Overhang Stone Wall Striping Stucco Wall 	<p>AREA PATTERN KEY</p> <ul style="list-style-type: none"> Concrete Dirt Wood <p>ABBREVIATION</p> <table border="0"> <tr><td>AC</td><td>Asphalt Concrete</td></tr> <tr><td>BC</td><td>Beginning of Curve</td></tr> <tr><td>BM</td><td>Benchmark</td></tr> <tr><td>CL</td><td>Centerline</td></tr> <tr><td>CONC</td><td>Concrete</td></tr> <tr><td>CMP</td><td>Corrugated Metal Pipe</td></tr> <tr><td>CP</td><td>Control Point</td></tr> <tr><td>EL</td><td>Elevation</td></tr> <tr><td>EC</td><td>End of Curve</td></tr> <tr><td>FL</td><td>Flowline</td></tr> <tr><td>FD</td><td>Found</td></tr> <tr><td>INV</td><td>Invert</td></tr> <tr><td>RCP</td><td>Reinforced Concrete Pipe</td></tr> <tr><td>TC</td><td>Top of Curb</td></tr> <tr><td>TW</td><td>Top of Wall</td></tr> </table>	AC	Asphalt Concrete	BC	Beginning of Curve	BM	Benchmark	CL	Centerline	CONC	Concrete	CMP	Corrugated Metal Pipe	CP	Control Point	EL	Elevation	EC	End of Curve	FL	Flowline	FD	Found	INV	Invert	RCP	Reinforced Concrete Pipe	TC	Top of Curb	TW	Top of Wall
AC	Asphalt Concrete																															
BC	Beginning of Curve																															
BM	Benchmark																															
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CONC	Concrete																															
CMP	Corrugated Metal Pipe																															
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EC	End of Curve																															
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TC	Top of Curb																															
TW	Top of Wall																															

NOTE:
OUTSIDE OF "LIMITS OF CONVENTIONAL SURVEY", DATA WAS COLLECTED USING UAV LIDAR.



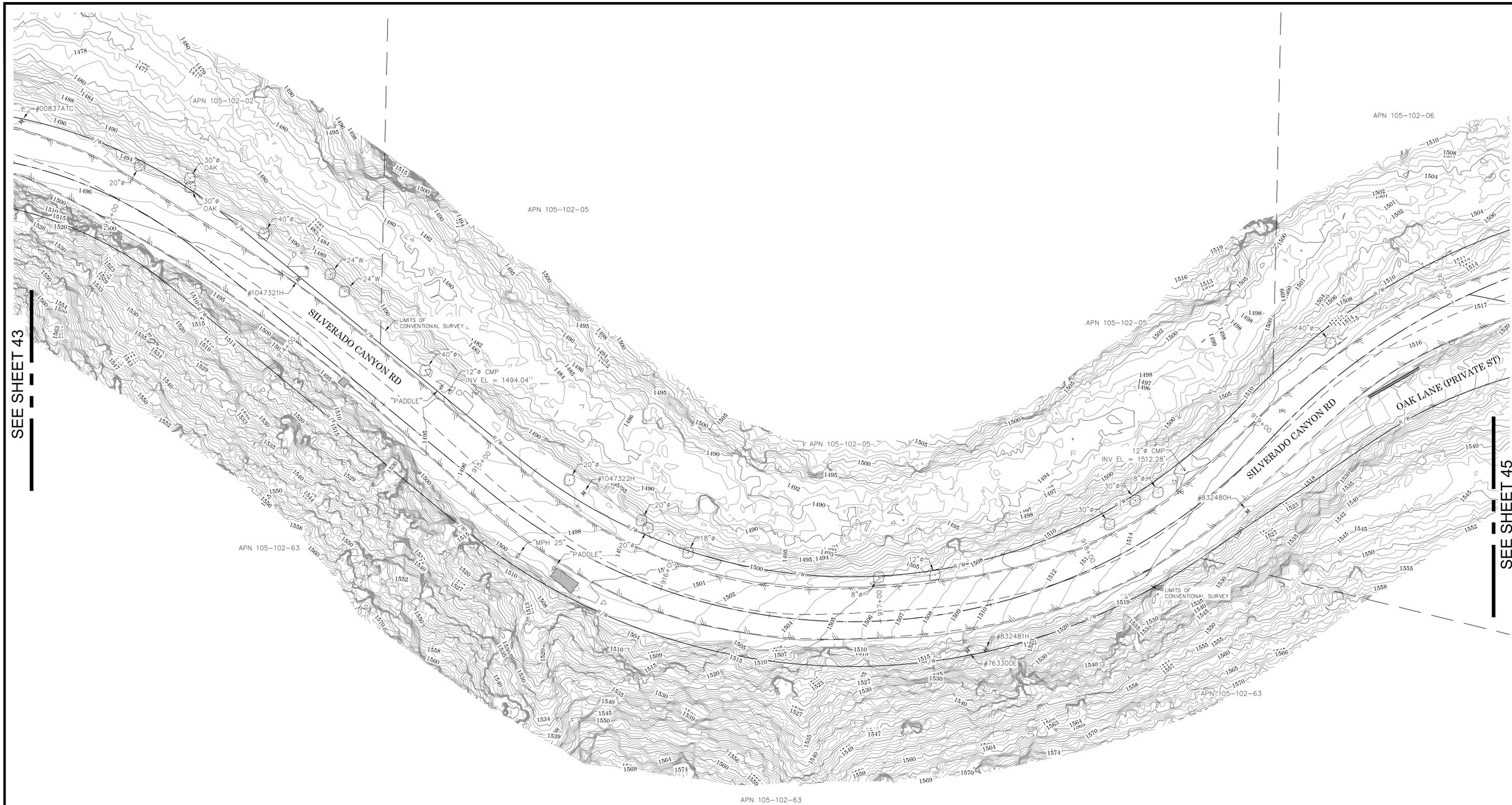
U.S. Foot
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		SILVERADO CANYON RD GUARDRAIL PROJECT	AREA 6
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.			
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO. 43 of 52	
MAPPING	BY: J. PEDRETTI		
OFFICE CHECK	BY: J. MORENO, PLS		
FIELD CHECK	BY: J. MORENO		
SCALE: N.T.S.	W.O. #E0212025		
FILE: SILVER_GRRAIL_TOPO_2023.DWG	FILE #2223PW-CM0013		

SEE SHEET 44

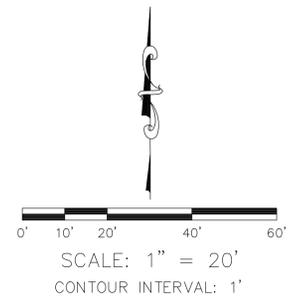
SEE SHEET 43

SEE SHEET 45



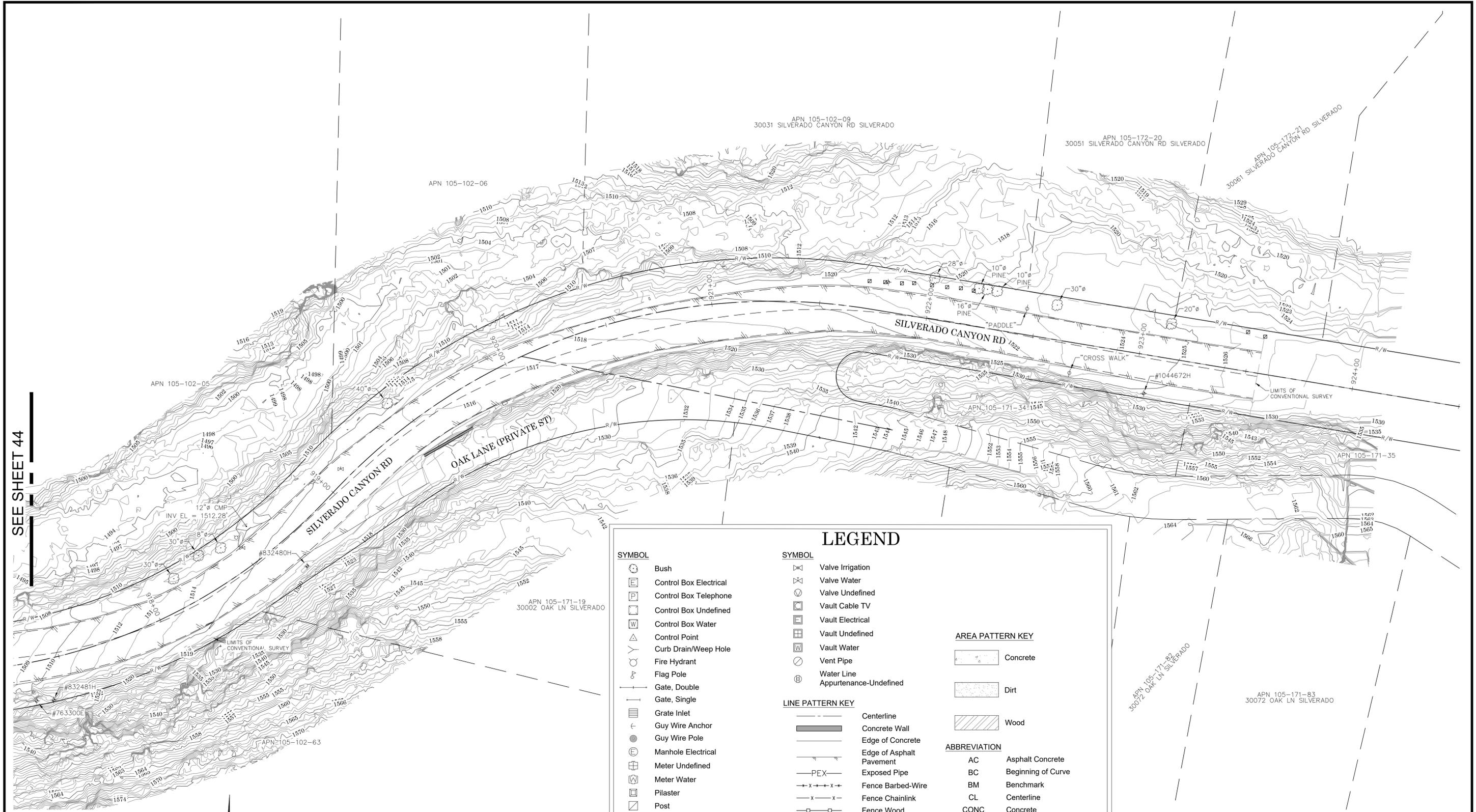
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NOTE:
 OUTSIDE OF "LIMITS OF CONVENTIONAL SURVEY", DATA WAS COLLECTED USING UAV LIDAR.



COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
SILVERADO CANYON RD GUARDRAIL PROJECT		
AREA 6		
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.		
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO. 44 of 52
MAPPING	BY: J. PEDRETTI	
OFFICE CHECK	BY: J. MORENO, PLS	
FIELD CHECK	BY: J. MORENO	
SCALE: N.T.S.	W.O. #E0212025	FILE #2223PW-CM0013
FILE: SILVER GRDRAIL_TOPO_2023.DWG		

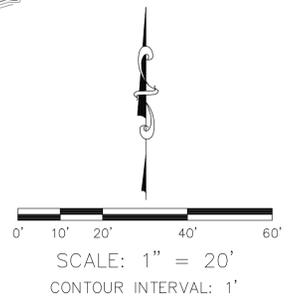
SEE SHEET 44



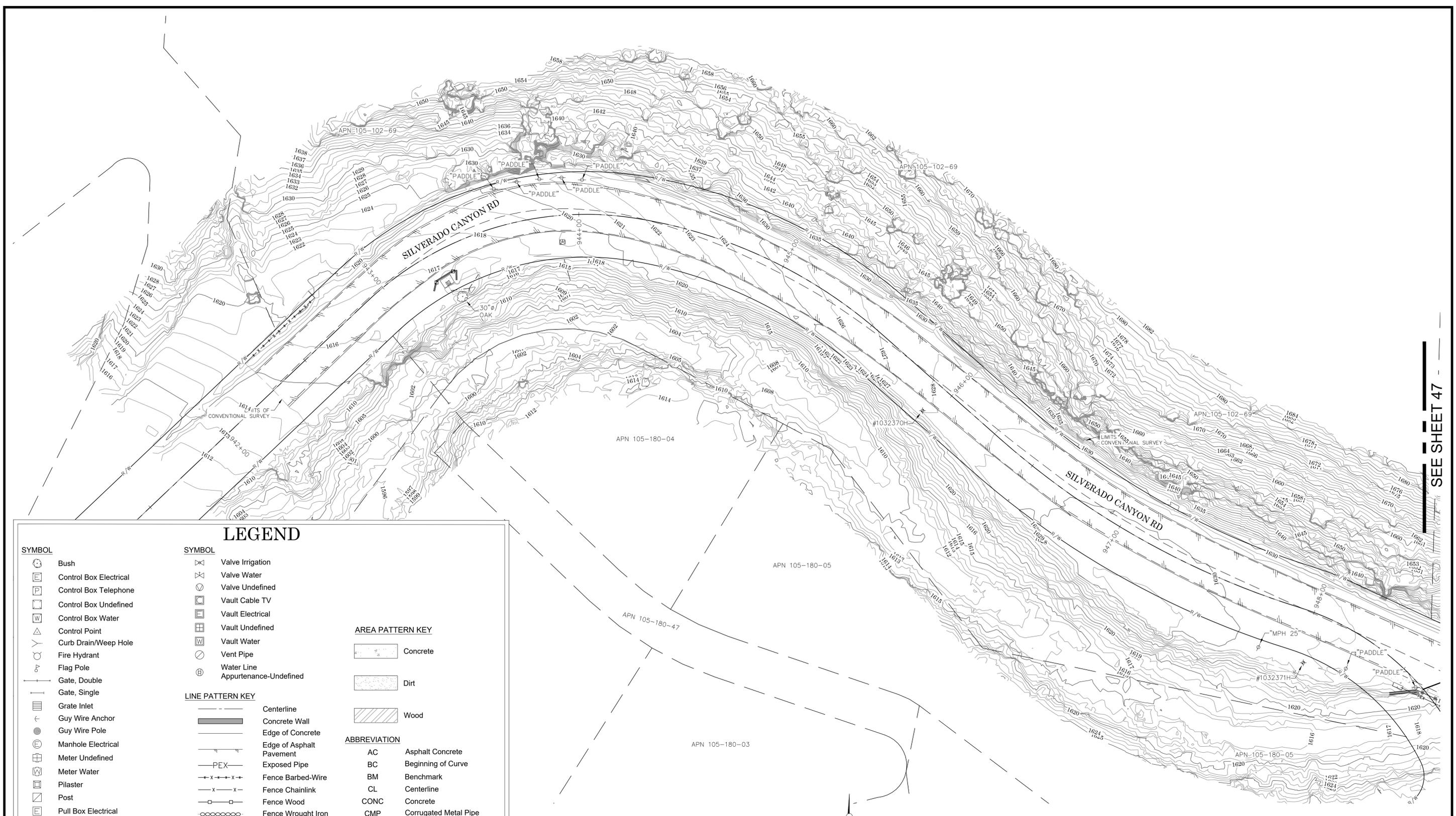
LEGEND

SYMBOL	SYMBOL	AREA PATTERN KEY
Bush	Valve Irrigation	Concrete
Control Box Electrical	Valve Water	Dirt
Control Box Telephone	Valve Undefined	Wood
Control Box Undefined	Vault Cable TV	
Control Box Water	Vault Electrical	
Control Point	Vault Undefined	
Curb Drain/Weep Hole	Vault Water	
Fire Hydrant	Vent Pipe	
Flag Pole	Water Line	
Gate, Double	Appurtenance-Undefined	
Gate, Single		
Grate Inlet	LINE PATTERN KEY	
Guy Wire Anchor	Centerline	
Guy Wire Pole	Concrete Wall	
Manhole Electrical	Edge of Concrete	
Meter Undefined	Edge of Asphalt Pavement	
Meter Water	PEX	
Pilaster	Exposed Pipe	
Post	Fence Barbed-Wire	
Pull Box Electrical	Fence Chainlink	
Pull Box Irrigation	Fence Wood	
Pull Box Undefined	Fence Wrought Iron	
Rock/Boulder	Flowline	
Sign Post	Guard Rail	
Tree	Hinge Point	
Utility Pole w/ 1 Light	Retaining Wall	
Utility Pole, Underground	Roof Overhang	
Utility Pole w/ 1 Light, Underground	Right of Way	
	Stone Wall	
	Striping	
	Stucco Wall	

NOTE:
OUTSIDE OF "LIMITS OF CONVENTIONAL SURVEY", DATA WAS COLLECTED USING UAV LIDAR.



COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
SILVERADO CANYON RD GUARDRAIL PROJECT		
AREA 6		
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.		
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO. 45 of 52
MAPPING	BY: J. PEDRETTI	
OFFICE CHECK	BY: J. MORENO, PLS	
FIELD CHECK	BY: J. MORENO	
SCALE: N.T.S.	W.O. #E0212025	
FILE: SILVER GRDRAIL_TOPO_2023.DWG	FILE #2223PW-CM0013	

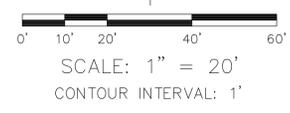


LEGEND

SYMBOL	SYMBOL	AREA PATTERN KEY
Bush	Valve Irrigation	Concrete
Control Box Electrical	Valve Water	Dirt
Control Box Telephone	Valve Undefined	Wood
Control Box Undefined	Vault Cable TV	
Control Box Water	Vault Electrical	
Control Point	Vault Undefined	
Curb Drain/Weep Hole	Vault Water	
Fire Hydrant	Vent Pipe	
Flag Pole	Water Line	
Gate, Double	Appurtenance-Undefined	
Gate, Single		
Grate Inlet	LINE PATTERN KEY	
Guy Wire Anchor	Centerline	
Guy Wire Pole	Concrete Wall	
Manhole Electrical	Edge of Concrete	
Meter Undefined	Edge of Asphalt Pavement	
Meter Water	Exposed Pipe	
Pilaster	PEX	
Post	Fence Barbed-Wire	
Pull Box Electrical	Fence Chainlink	
Pull Box Irrigation	Fence Wood	
Pull Box Undefined	Fence Wrought Iron	
Rock/Boulder	Flowline	
Sign Post	Guard Rail	
Tree	Hinge Point	
Utility Pole w/ 1 Light	Retaining Wall	
Utility Pole, Underground	Right of Way	
Utility Pole w/ 1 Light, Underground	Roof Overhang	
	Stone Wall	
	Striping	
	Stucco Wall	

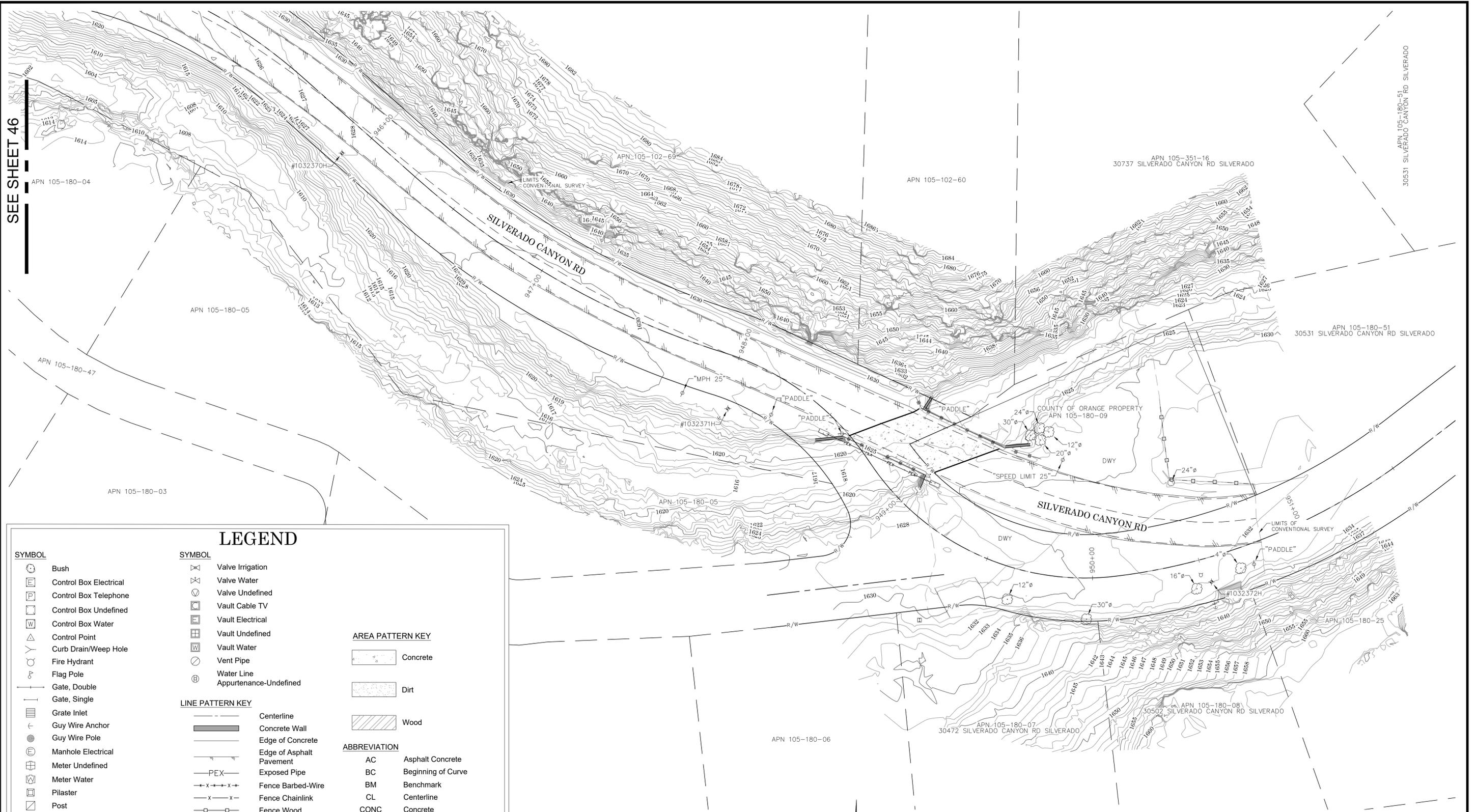
ABBREVIATION	
AC	Asphalt Concrete
BC	Beginning of Curve
BM	Benchmark
CL	Centerline
CONC	Concrete
CMP	Corrugated Metal Pipe
CP	Control Point
EL	Elevation
EC	End of Curve
FL	Flowline
FD	Found
INV	Invert
RCP	Reinforced Concrete Pipe
TC	Top of Curb
TW	Top of Wall

NOTE:
OUTSIDE OF "LIMITS OF CONVENTIONAL SURVEY", DATA WAS COLLECTED USING UAV LIDAR.



COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		SILVERADO CANYON RD GUARDRAIL PROJECT	
AREA 7			
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.			
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO. 46 of 52	
MAPPING	BY: J. PEDRETTI		
OFFICE CHECK	BY: J. MORENO, PLS		
FIELD CHECK	BY: J. MORENO		
SCALE: N.T.S.	W.O. #E0212025		
FILE: SILVER GRDRAIL_TOPO_2023.DWG	FILE #2233PW-CM0013	REVISIONS	

SEE SHEET 46



SYMBOL

[Symbol]	Bush
[Symbol]	Control Box Electrical
[Symbol]	Control Box Telephone
[Symbol]	Control Box Undefined
[Symbol]	Control Box Water
[Symbol]	Control Point
[Symbol]	Curb Drain/Weep Hole
[Symbol]	Fire Hydrant
[Symbol]	Flag Pole
[Symbol]	Gate, Double
[Symbol]	Gate, Single
[Symbol]	Gate Inlet
[Symbol]	Guy Wire Anchor
[Symbol]	Guy Wire Pole
[Symbol]	Manhole Electrical
[Symbol]	Meter Undefined
[Symbol]	Meter Water
[Symbol]	Pilaster
[Symbol]	Post
[Symbol]	Pull Box Electrical
[Symbol]	Pull Box Irrigation
[Symbol]	Pull Box Undefined
[Symbol]	Rock/Boulder
[Symbol]	Sign Post
[Symbol]	Tree
[Symbol]	Utility Pole w/ 1 Light
[Symbol]	Utility Pole, Underground
[Symbol]	Utility Pole w/ 1 Light, Underground

SYMBOL

[Symbol]	Valve Irrigation
[Symbol]	Valve Water
[Symbol]	Valve Undefined
[Symbol]	Vault Cable TV
[Symbol]	Vault Electrical
[Symbol]	Vault Undefined
[Symbol]	Vault Water
[Symbol]	Vent Pipe
[Symbol]	Water Line
[Symbol]	Appurtenance-Undefined

LINE PATTERN KEY

[Pattern]	Centerline
[Pattern]	Concrete Wall
[Pattern]	Edge of Concrete
[Pattern]	Edge of Asphalt Pavement
[Pattern]	Exposed Pipe
[Pattern]	Fence Barbed-Wire
[Pattern]	Fence Chainlink
[Pattern]	Fence Wood
[Pattern]	Fence Wrought Iron
[Pattern]	Flowline
[Pattern]	Guard Rail
[Pattern]	Hinge Point
[Pattern]	Retaining Wall
[Pattern]	Right of Way
[Pattern]	Roof Overhang
[Pattern]	Stone Wall
[Pattern]	Striping
[Pattern]	Stucco Wall

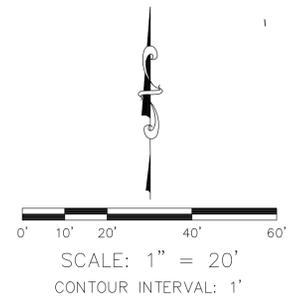
AREA PATTERN KEY

[Pattern]	Concrete
[Pattern]	Dirt
[Pattern]	Wood

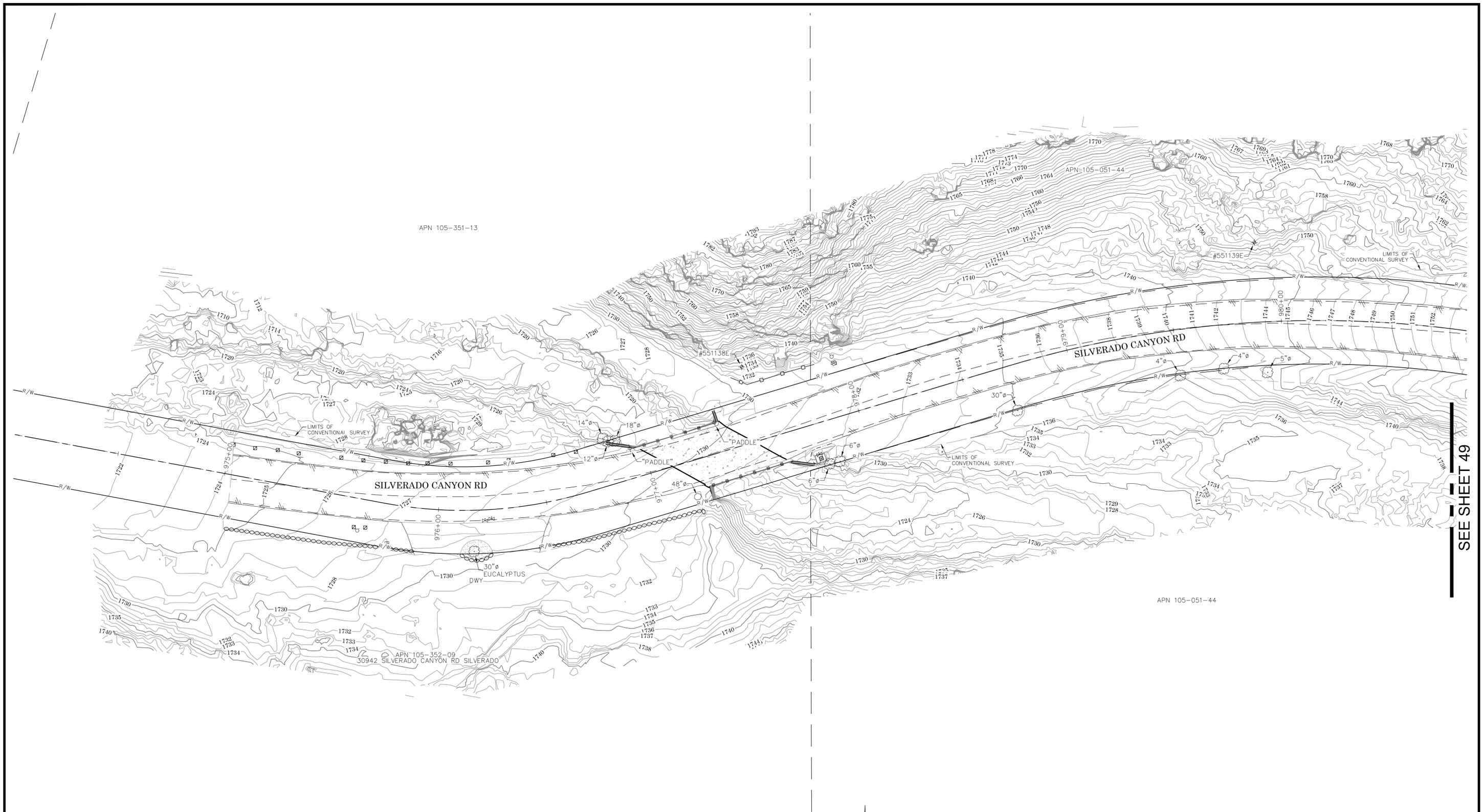
ABBREVIATION

AC	Asphalt Concrete
BC	Beginning of Curve
BM	Benchmark
CL	Centerline
CONC	Concrete
CMP	Corrugated Metal Pipe
CP	Control Point
EL	Elevation
EC	End of Curve
FL	Flowline
FD	Found
INV	Invert
RCP	Reinforced Concrete Pipe
TC	Top of Curb
TW	Top of Wall

NOTE:
OUTSIDE OF "LIMITS OF CONVENTIONAL SURVEY", DATA WAS COLLECTED USING UAV LIDAR.



COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		SHEET NO. 47 of 52	
SILVERADO CANYON RD GUARDRAIL PROJECT		AREA 7	
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.			
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	FILE # 2223PW-CM0013	
MAPPING	BY: J. PEDRETTI	FILE # 2223PW-CM0013	
OFFICE CHECK	BY: J. MORENO, PLS	FILE # 2223PW-CM0013	
FIELD CHECK	BY: J. MORENO	FILE # 2223PW-CM0013	
SCALE: N.T.S.	W.O. #E0212025	FILE # 2223PW-CM0013	
REVISIONS			
MARK	DATE	ITEM	



APN 105-351-13

APN 105-051-44

SILVERADO CANYON RD

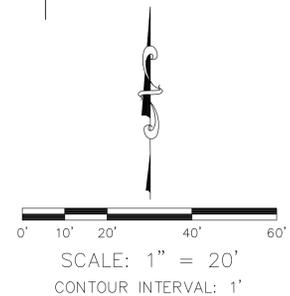
SILVERADO CANYON RD

30"Ø EUCALYPTUS DWY

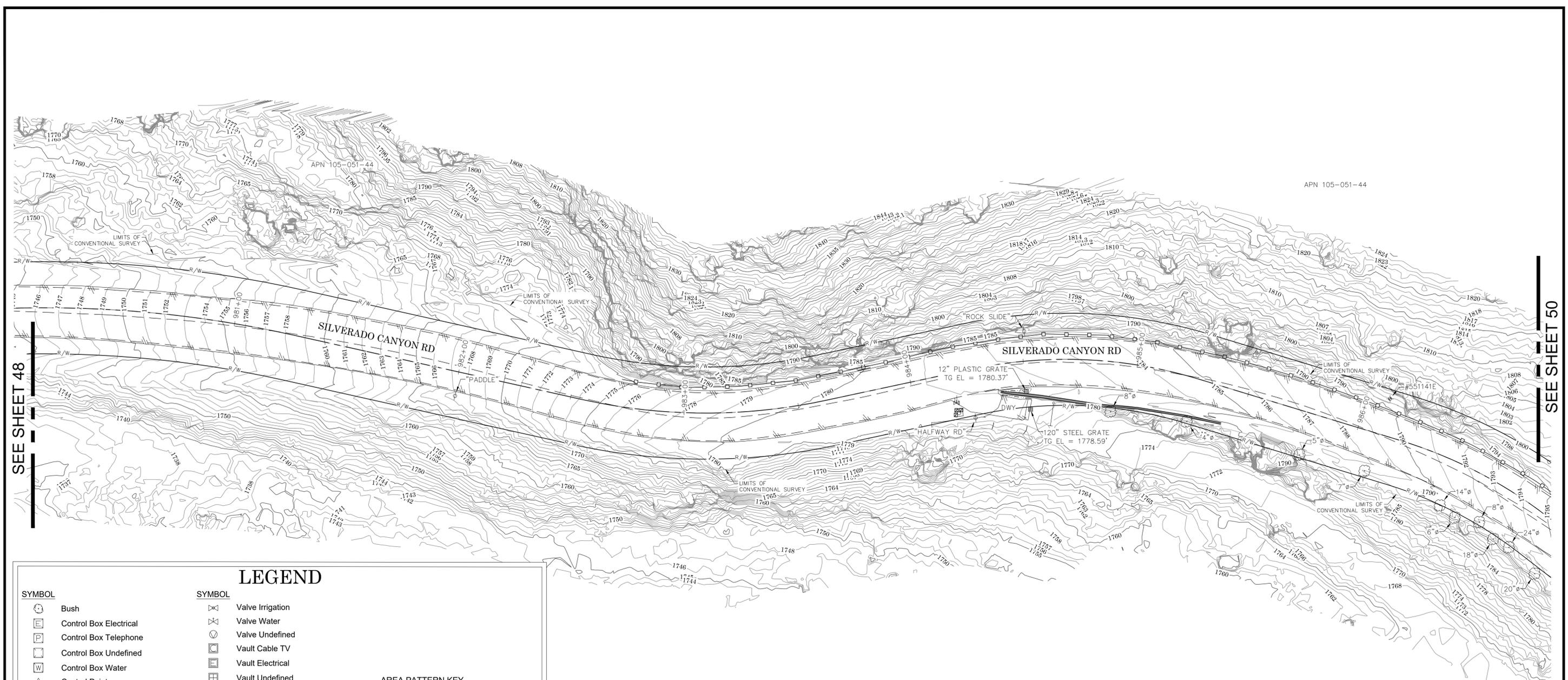
APN 105-352-09
30942 SILVERADO CANYON RD SILVERADO

SEE SHEET 49

NOTE:
OUTSIDE OF "LIMITS OF CONVENTIONAL SURVEY", DATA WAS COLLECTED USING UAV LIDAR.



		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		SILVERADO CANYON RD GUARDRAIL PROJECT	
		AREA 8	
		PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.	
	DATE	ITEM	SHEET NO. 48 of 52
MARK			
REVISIONS		SCALE: N.T.S.	W.O. #E021202S
		FILE: SILVER GRDRAIL_TOPO_2023.DWG	FILE: #2233PW-CM0013



SEE SHEET 48

SEE SHEET 50

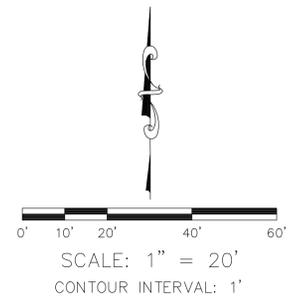
LEGEND

SYMBOL	SYMBOL	SYMBOL
Bush	Valve Irrigation	AREA PATTERN KEY
Control Box Electrical	Valve Water	
Control Box Telephone	Valve Undefined	
Control Box Undefined	Vault Cable TV	
Control Box Water	Vault Electrical	Concrete
Control Point	Vault Undefined	Dirt
Curb Drain/Weep Hole	Vault Water	Wood
Fire Hydrant	Vault Undefined	
Flag Pole	Vault Water	
Gate, Double	Vent Pipe	
Gate, Single	Water Line	
Grate Inlet	Appurtenance-Undefined	
Guy Wire Anchor		
Guy Wire Pole		
Manhole Electrical		
Meter Undefined		
Meter Water		
Pilaster		
Post		
Pull Box Electrical		
Pull Box Irrigation		
Pull Box Undefined		
Rock/Boulder		
Sign Post		
Tree		
Utility Pole w/ 1 Light		
Utility Pole, Underground		
Utility Pole w/ 1 Light, Underground		

LINE PATTERN KEY	
Centerline	
Concrete Wall	
Edge of Concrete	
Edge of Asphalt Pavement	
Exposed Pipe	
Fence Barbed-Wire	
Fence Chainlink	
Fence Wood	
Fence Wrought Iron	
Flowline	
Guard Rail	
Hinge Point	
Retaining Wall	
Right of Way	
Roof Overhang	
Stone Wall	
Striping	
Stucco Wall	

ABBREVIATION	
AC	Asphalt Concrete
BC	Beginning of Curve
BM	Benchmark
CL	Centerline
CONC	Concrete
CMP	Corrugated Metal Pipe
CP	Control Point
EL	Elevation
EC	End of Curve
FL	Flowline
FD	Found
INV	Invert
RCP	Reinforced Concrete Pipe
TC	Top of Curb
TW	Top of Wall

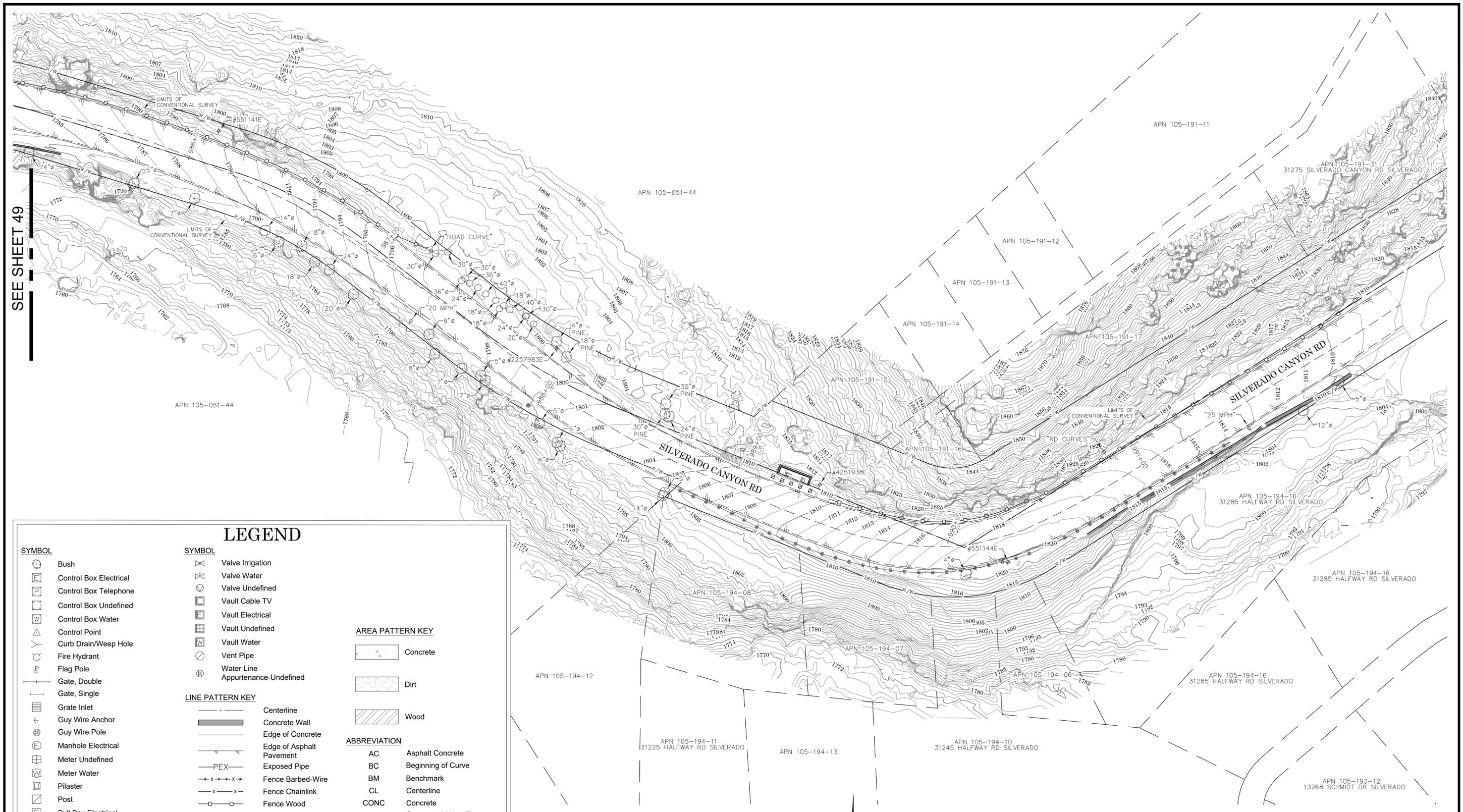
NOTE:
OUTSIDE OF "LIMITS OF CONVENTIONAL SURVEY", DATA WAS COLLECTED USING UAV LIDAR.



COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
SILVERADO CANYON RD GUARDRAIL PROJECT	
AREA 8	
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.	
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY
MAPPING	BY: J. PEDRETTI
OFFICE CHECK	BY: J. MORENO, PLS
FIELD CHECK	BY: J. MORENO
SCALE: N.T.S.	W.O. #E0212025
FILE: SILVER_GRRAIL_TOPO_2023.DWG	FILE #2223PW-CM0013

MARK	DATE	ITEM
REVISIONS		

SHEET NO.	49	of	52
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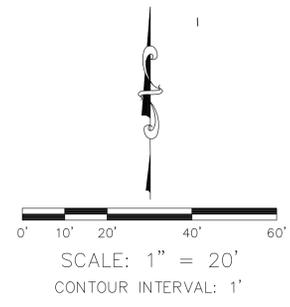


SEE SHEET 49

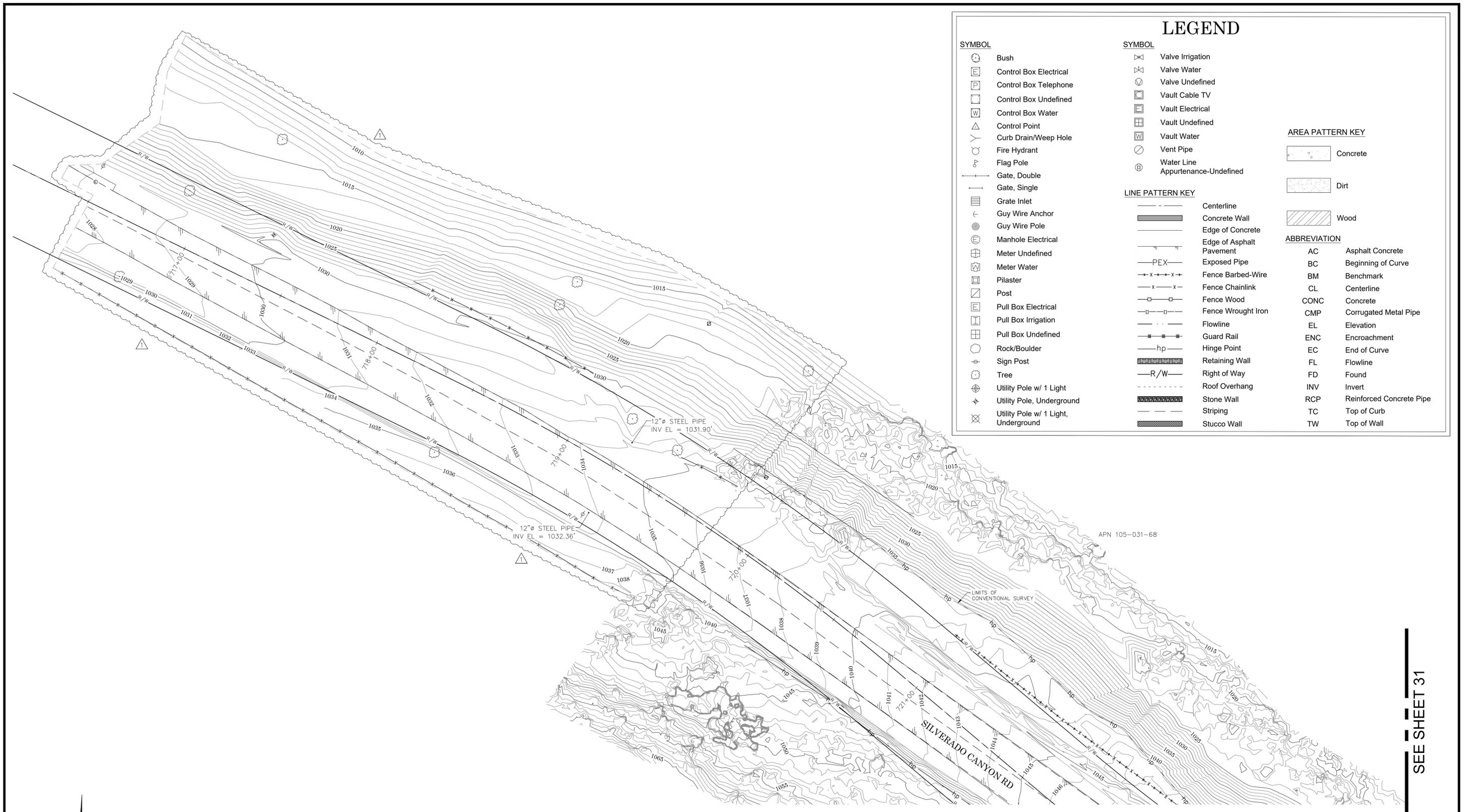
LEGEND

SYMBOL	SYMBOL	AREA PATTERN KEY
Bush	Valve Irrigation	Concrete
Control Box Electrical	Valve Water	Dirt
Control Box Telephone	Valve Undefined	Wood
Control Box Undefined	Vault Cable TV	
Control Box Water	Vault Electrical	
Control Point	Vault Undefined	
Curb Drain/Weep Hole	Vault Water	
Fire Hydrant	Vent Pipe	
Flag Pole	Water Line	
Gate, Double	Appurtenance-Undefined	
Gate, Single		
Grate Inlet	LINE PATTERN KEY	
Guy Wire Anchor	Centerline	
Guy Wire Pole	Concrete Wall	
Manhole Electrical	Edge of Concrete	
Meter Undefined	Edge of Asphalt Pavement	
Meter Water	Exposed Pipe	
Pilaster	Fence Barbed-Wire	
Post	Fence Chainlink	
Pull Box Electrical	Fence Wood	
Pull Box Irrigation	Fence Wrought Iron	
Pull Box Undefined	Flowline	
Rock/Boulder	Guard Rail	
Sign Post	Hinge Point	
Tree	Retaining Wall	
Utility Pole w/ 1 Light	Right of Way	
Utility Pole, Underground	Roof Overhang	
Utility Pole w/ 1 Light, Underground	Stone Wall	
	Striping	
	Stucco Wall	
	ABBREVIATION	
	AC Asphalt Concrete	
	BC Beginning of Curve	
	BM Benchmark	
	CL Centerline	
	CONC Concrete	
	CMP Corrugated Metal Pipe	
	CP Control Point	
	EL Elevation	
	EC End of Curve	
	FL Flowline	
	FD Found	
	INV Invert	
	RCP Reinforced Concrete Pipe	
	TC Top of Curb	
	TW Top of Wall	

NOTE:
OUTSIDE OF "LIMITS OF CONVENTIONAL SURVEY", DATA WAS COLLECTED USING UAV LIDAR.

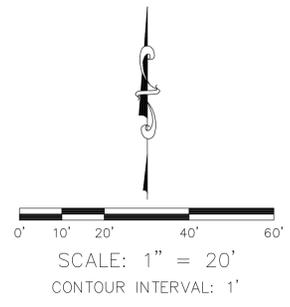


COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		SILVERADO CANYON RD GUARDRAIL PROJECT	
AREA 8			
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.			
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO. 50 of 52	
MAPPING	BY: J. PEDRETTI		
OFFICE CHECK	BY: J. MORENO, PLS		
FIELD CHECK	BY: J. MORENO		
SCALE: N.T.S.	W.O. #E0212025		
FILE: SILVER_GRRAIL_TOPO_2023.DWG		FILE #223PW-CM0013	
MARK	DATE	ITEM	REVISIONS



LEGEND

SYMBOL		SYMBOL		AREA PATTERN KEY	
	Bush		Valve Irrigation		Concrete
	Control Box Electrical		Valve Water		Dirt
	Control Box Telephone		Valve Undefined		Wood
	Control Box Undefined		Vault Cable TV	ABBREVIATION	
	Control Box Water		Vault Electrical	AC	Asphalt Concrete
	Control Point		Vault Undefined	BC	Beginning of Curve
	Curb Drain/Weep Hole		Vault Water	BM	Benchmark
	Fire Hydrant		Vent Pipe	CL	Centerline
	Flag Pole		Water Line Appurtenance-Undefined	CONC	Concrete
	Gate, Double			CMP	Corrugated Metal Pipe
	Gate, Single	LINE PATTERN KEY		EL	Elevation
	Grate Inlet		Centerline	ENC	Encroachment
	Guy Wire Anchor		Concrete Wall	EC	End of Curve
	Guy Wire Pole		Edge of Concrete	FL	Flowline
	Manhole Electrical		Edge of Asphalt Pavement	FD	Found
	Meter Undefined		Exposed Pipe	INV	Invert
	Meter Water		PEX	RCP	Reinforced Concrete Pipe
	Pilaster		Fence Barbed-Wire	TC	Top of Curb
	Post		Fence Chainlink	TW	Top of Wall
	Pull Box Electrical		Fence Wood		
	Pull Box Irrigation		Fence Wrought Iron		
	Pull Box Undefined		Flowline		
	Rock/Boulder		Guard Rail		
	Sign Post		Hinge Point		
	Tree		Retaining Wall		
	Utility Pole w/ 1 Light		Right of Way		
	Utility Pole, Underground		Roof Overhang		
	Utility Pole w/ 1 Light, Underground		Stone Wall		
			Striping		
			Stucco Wall		



NOTE:
OUTSIDE OF "LIMITS OF CONVENTIONAL SURVEY", DATA WAS COLLECTED USING UAV LIDAR.



AUG 2025 EXTENDED AREA 1, SEE SHEET 52. ADDED ADDITIONAL INFORMATION TO PIPES IN AREA 1.		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		SILVERADO CANYON RD GUARDRAIL PROJECT	
PROJECT LIMITS: VARIOUS LOCATIONS ALONG SILVERADO CANYON RD.		AREA 1	
DATE OF SURVEY: MAY 2023	BY: J. JOHNS & PARTY	SHEET NO.	
MAPPING	BY: J. PEDRETTI	52	
OFFICE CHECK	BY: J. MORENO, PLS	of	
FIELD CHECK	BY: J. MORENO	52	
SCALE: N.T.S.	W.O. #E0212025	FILE #2223PW-CM0013	
REVISIONS		FILE: GDRAIL_TOPO_2025-1.DWG	

SEE SHEET 31