



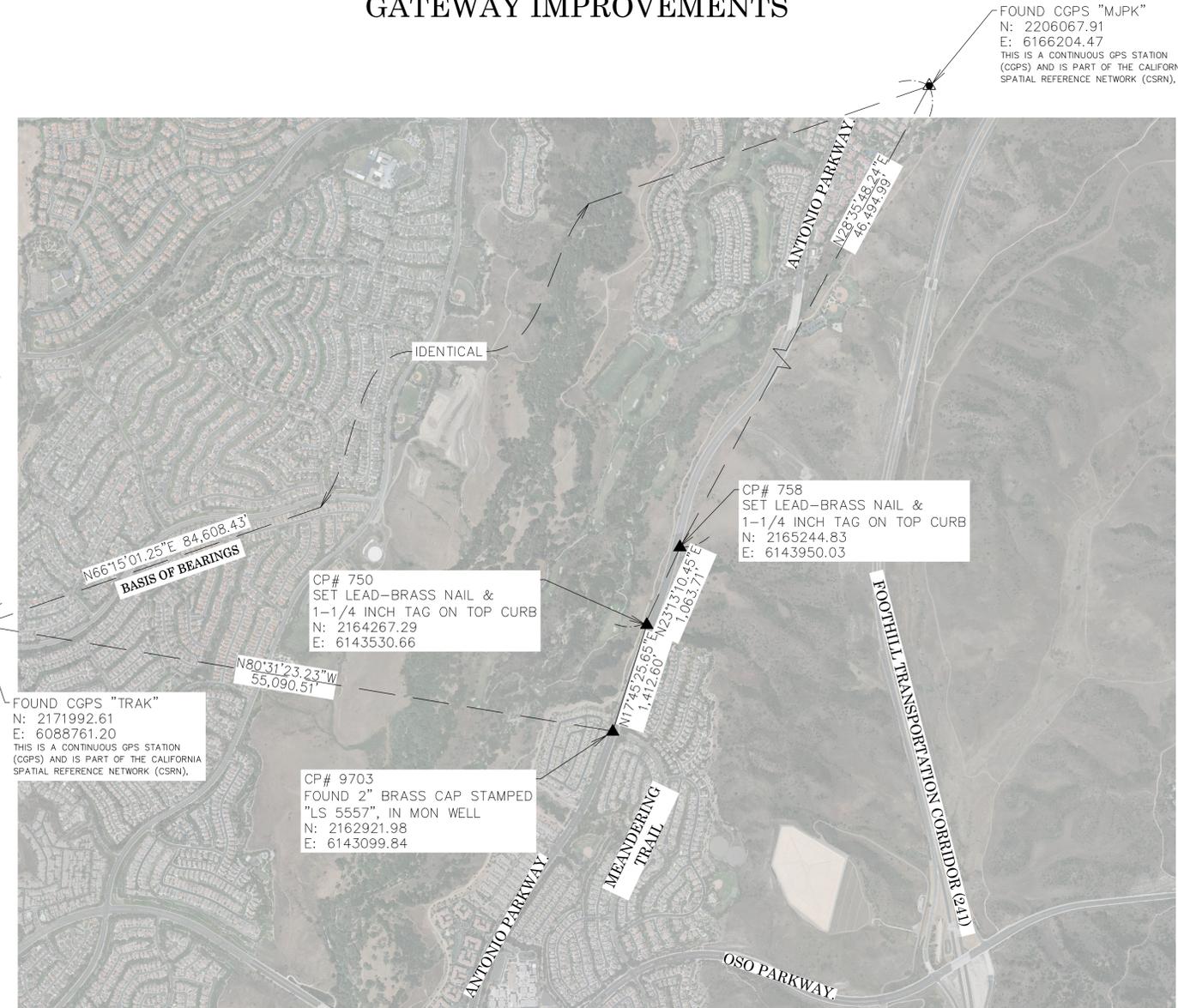
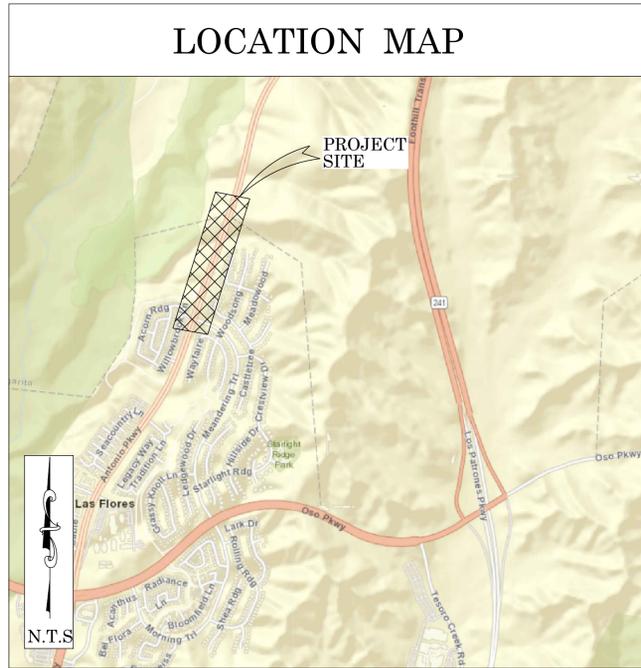
# OC PUBLIC WORKS DEPARTMENT

## KEVIN ONUMA, DIRECTOR OF PUBLIC WORKS



# ANTONIO PARKWAY

## GATEWAY IMPROVEMENTS



### 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 (TRAK) AND (MUPK) BEING NORTH 66°15'01.25" EAST AS DERIVED FROM THE COORDINATES PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC) ALONG WITH DATA SHEETS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.

### HORIZONTAL DATUM

COORDINATES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2017.50) EPOCH ADJUSTMENT.

ALL DISTANCES SHOWN ARE GRID, UNLESS OTHERWISE NOTED. TO OBTAIN GROUND DISTANCES MULTIPLY GRID BY A COMBINED FACTOR OF 1.00006321.

THIS COMBINATION FACTOR WAS HELD AT: CP# 9708  
N: 2164593.79 E: 6143702.80 EL: 698.70'

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

### VERTICAL DATUM

O.C.S. BM. 3EE-26-92 ELEV. = 584.747' YEAR LEVELED: 1995

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

DESCRIPTION: FOUND 3 3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "3EE-26-92" SET FLUSH AT THE SOUTH CORNER OF A 4 FT. BY 5 FT. CATCH BASIN. MONUMENT IS LOCATED 5 FT. EASTERLY OF THE EASTERLY CURB FACE ALONG ANTONIO, IN THE NORTHEAST CORNER OF ANTONIO PARKWAY AND OSO PARKWAY, 44 FT. EASTERLY OF CENTERLINE OF ANTONIO PARKWAY, 200 FT. NORTHERLY OF CENTERLINE OF OSO PARKWAY. MONUMENT IS SET LEVEL WITH THE SIDEWALK.

### NOTES

THE EXISTING ROAD SURFACE WAS DERIVED BY COMBINING UAV PHOTOGRAMMETRY DATA AND TERRESTRIAL SCAN DATA. CONVENTIONAL TOPOGRAPHICAL SURVEYING TECHNIQUES WERE USED TO COLLECT THE SIDEWALK, CURB, GUTTER AND V-DITCHES.

THE RIGHT-OF-WAY SHOWN WAS ESTABLISHED FROM RECOVERED CENTERLINE MONUMENTS AND DERIVED FROM RECORD MAPS AND DOCUMENTS; HOWEVER, A BOUNDARY SURVEY OR TITLE SEARCH WAS NOT PERFORMED OR OBTAINED.

### SHEET INDEX

SHEET NO.	DESCRIPTION
SHEET 1	TITLE SHEET
SHEETS 2-6	TOPOGRAPHIC MAP

### PURPOSE OF SURVEY

THE PURPOSE OF THE SURVEY IS TO PROVIDE A TOPOGRAPHIC MAP AND RIGHT OF WAY ESTABLISHMENT ALONG THIS PORTION OF ANTONIO PARKWAY.

#### 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 18 DAY OF DECEMBER, 2025.

DocuSigned by:  
*Elliott Medina*  
Elliott Medina, PLS. SENIOR LAND SURVEYOR

#### SENIOR LAND SURVEYOR'S CERTIFICATE:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYORS' ACT; THIS 18 DAY OF DECEMBER, 2025.

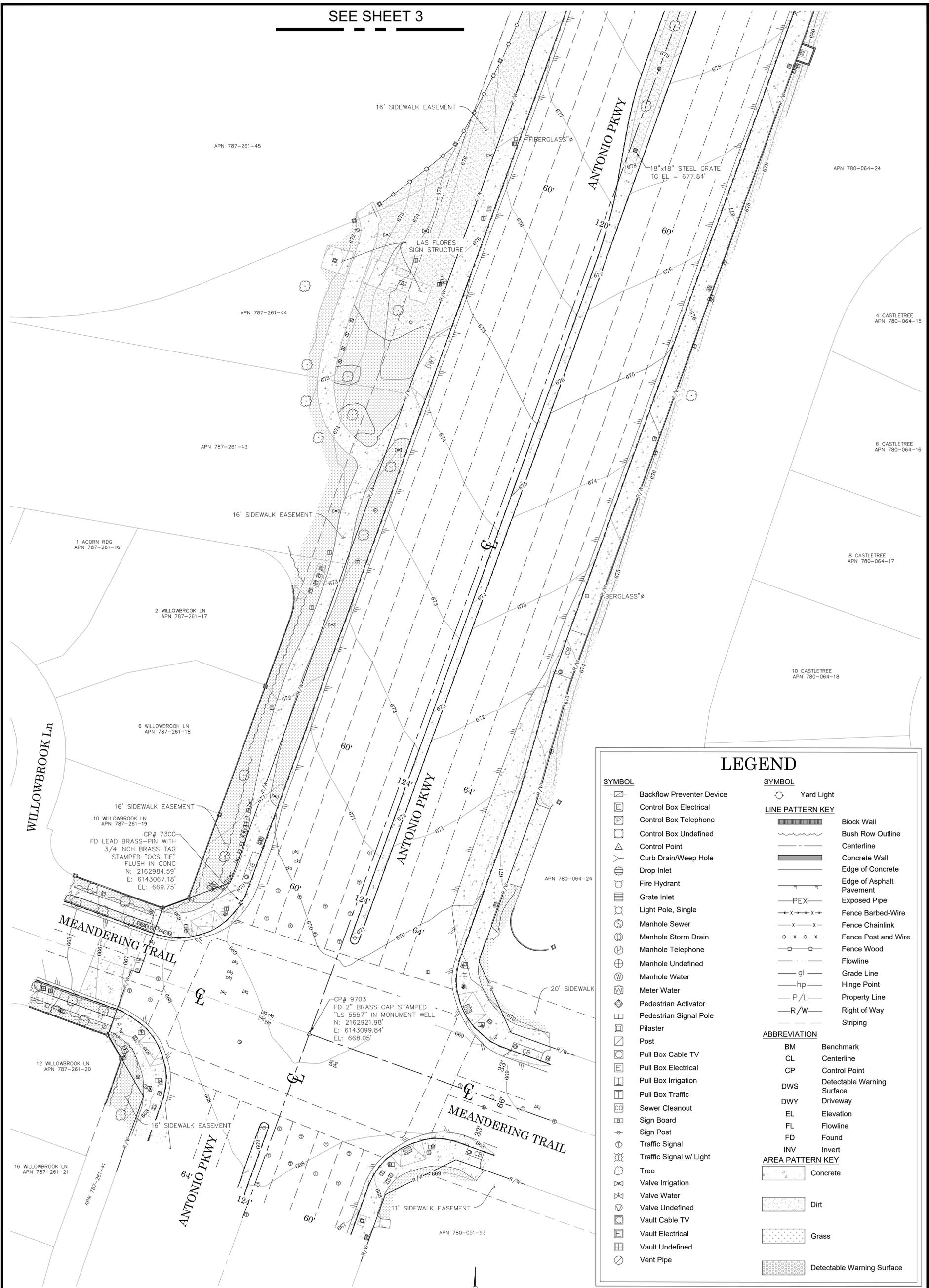
DocuSigned by:  
*Tate Loggreen*  
Tate Loggreen, PLS. SENIOR LAND SURVEYOR



# TOPOGRAPHIC MAPPING PROJECT

DEC 2025 CONTINUED TOPO ELY ALONG MEANDERING TRAIL 42' +/- AND ADDED THE NEW MEDIAN ISLAND AT THE NLY 135' +/- OF ANTONIO PARKWAY		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		<b>ANTONIO PARKWAY GATEWAY IMPROVEMENTS</b>	
MAY 2025 CONTINUED TOPOGRAPHY SLY TO THE MEANDERING TRAIL INTERSECTION. REORDERED SHEETS TO BETTER REFLECT ADDITIONAL INFORMATION. ADJUSTED VICINITY MAP BASIS OF BEARING TO BETTER REFLECT CONDITIONS.		TITLE SHEET	
		PROJECT LIMITS: 60' EAST AND WEST OF ANTONIO PARKWAY CENTERLINE. FROM THE MEANDERING TRAIL INTERSECTION NLY TO APPROXIMATELY 2830' NORTH OF MEANDERING TRAIL CENTER LINE (200' N OF COUNTY OF ORANGE ROW)	
MARK	DATE	ITEM	REVISIONS
		DATE OF SURVEY: 04/17/2024	BY: R. BELTRAN, LSIT
		MAPPING	BY: J. PEDRETTI, ET, LSIT
		OFFICE CHECK	BY: J. MORENO, PLS
		FIELD CHECK	BY: R. BELTRAN, LSIT
		SCALE: N.T.S.	W.O. #E020006S
		FILE #2324PW-CM0012	
		FILE: ANTONIO PKWY_GATEWAY_IMPROVEMENT_REV2_TOPO_2025.DWG	
			SHEET NO. <b>1</b> of <b>6</b>

SEE SHEET 3

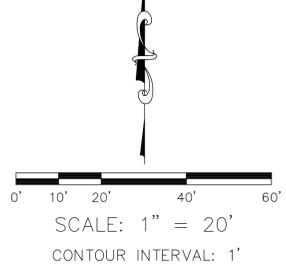


WILLOWBROOK Ln

### LEGEND

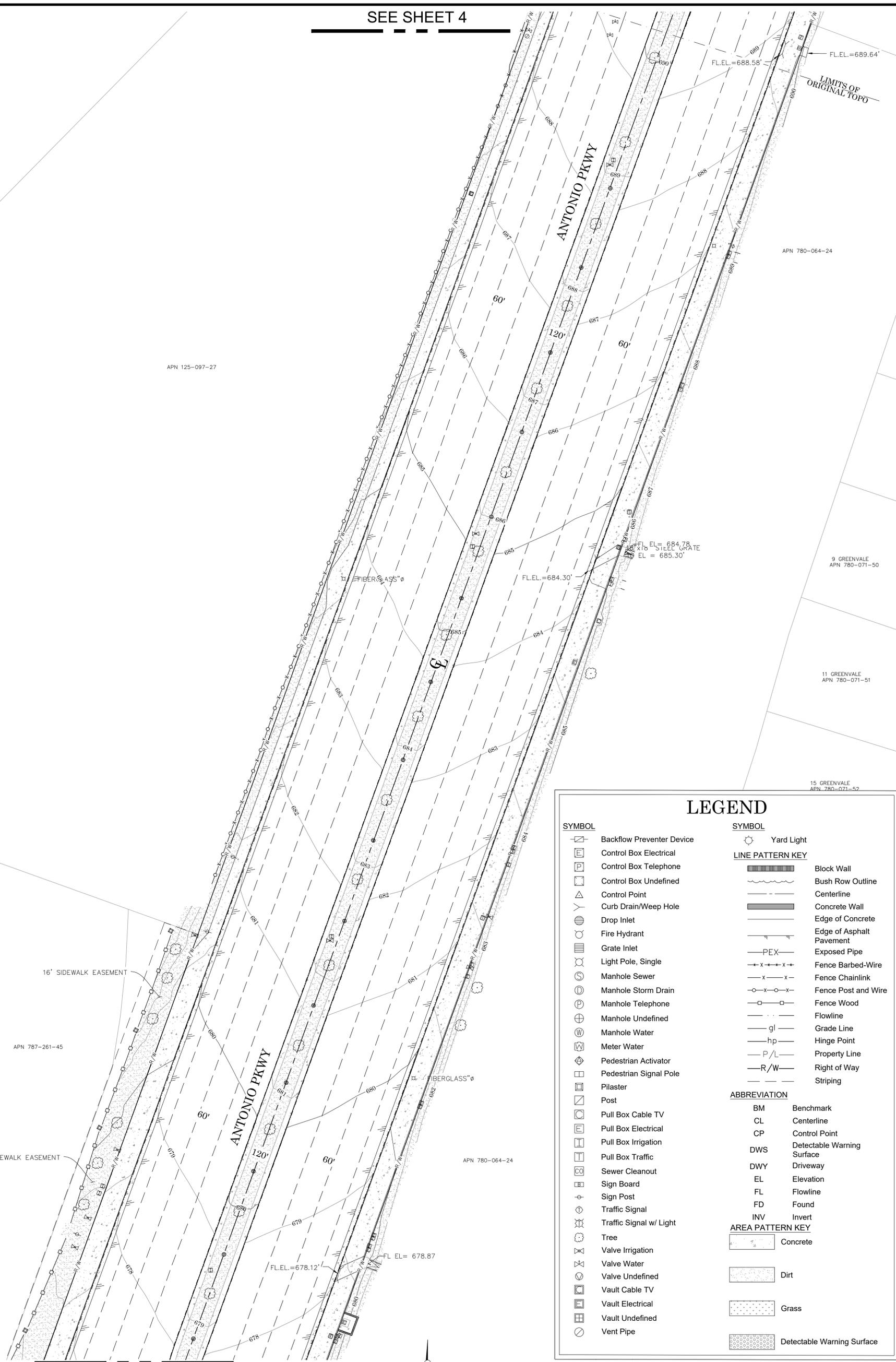
SYMBOL		SYMBOL	
	Backflow Preventer Device		Yard Light
	Control Box Electrical	<b>LINE PATTERN KEY</b>	
	Control Box Telephone		Block Wall
	Control Box Undefined		Bush Row Outline
	Control Point		Centerline
	Curb Drain/Weep Hole		Concrete Wall
	Drop Inlet		Edge of Concrete
	Fire Hydrant		Edge of Asphalt Pavement
	Grate Inlet		Exposed Pipe
	Light Pole, Single		PEX
	Manhole Sewer		Fence Barbed-Wire
	Manhole Storm Drain		Fence Chainlink
	Manhole Telephone		Fence Post and Wire
	Manhole Undefined		Fence Wood
	Manhole Water		Flowline
	Meter Water		Grade Line
	Pedestrian Activator		Hinge Point
	Pedestrian Signal Pole		Property Line
	Pillar		Right of Way
	Post		Striping
	Pull Box Cable TV	<b>ABBREVIATION</b>	
	Pull Box Electrical	BM	Benchmark
	Pull Box Irrigation	CL	Centerline
	Pull Box Traffic	CP	Control Point
	Sewer Cleanout	DWS	Detectable Warning Surface
	Sign Board	DWY	Driveway
	Sign Post	EL	Elevation
	Traffic Signal	FL	Flowline
	Traffic Signal w/ Light	FD	Found
	Tree	INV	Invert
	Valve Irrigation	<b>AREA PATTERN KEY</b>	
	Valve Water		Concrete
	Valve Undefined		Dirt
	Vault Cable TV		Grass
	Vault Electrical		Detectable Warning Surface
	Vault Undefined		
	Vent Pipe		

**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	
<b>ANTONIO PARKWAY          GATEWAY IMPROVEMENTS</b>	
TOPOGRAPHIC MAP	
PROJECT LIMITS: 60' EAST AND WEST OF ANTONIO PARKWAY CENTERLINE. FROM THE MEANDERING TRAIL INTERSECTION N'LY TO APPROXIMATELY	
DATE OF SURVEY: 04/17/2024 MAPPING OFFICE CHECK FIELD CHECK SCALE: N.T.S. FILE: #2324PW-CM0012	BY: R. BELTRAN, LSIT BY: J. PEDRETTI, EIT, LSIT BY: J. MORENO, PLS BY: R. BELTRAN, LSIT
DEC 2025 CONTINUED TOPO ELY ALONG MEANDERING TRAIL 42+/- AND ADDED THE NEW MEDIAN ISLAND AT THE N'LY 135+/- OF ANTONIO PARKWAY	MAY 2025 CONTINUED TOPOGRAPHY S'LY TO THE MEANDERING TRAIL INTERSECTION. REORDERED SHEETS TO BETTER REFLECT ADDITIONAL INFORMATION. ADJUSTED VIGNET MAP BASIS OF BEARING TO BETTER REFLECT CONDITIONS.
MARK DATE ITEM	REVISIONS
SHEET NO. <b>2</b> of <b>6</b>	

SEE SHEET 4



APN 125-097-27

APN 780-064-24

9 GREENVALE  
APN 780-071-50

11 GREENVALE  
APN 780-071-51

15 GREENVALE  
APN 780-071-52

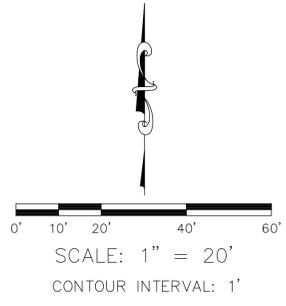
APN 787-261-45

APN 780-064-24

SEE SHEET 2

### LEGEND

SYMBOL		SYMBOL	
	Backflow Preventer Device		Yard Light
	Control Box Electrical	<b>LINE PATTERN KEY</b>	
	Control Box Telephone		Block Wall
	Control Box Undefined		Bush Row Outline
	Control Point		Centerline
	Curb Drain/Weep Hole		Concrete Wall
	Drop Inlet		Edge of Concrete
	Fire Hydrant		Edge of Asphalt
	Grate Inlet		Exposed Pipe
	Light Pole, Single		PEX
	Manhole Sewer		Fence Barbed-Wire
	Manhole Storm Drain		Fence Chainlink
	Manhole Telephone		Fence Post and Wire
	Manhole Undefined		Fence Wood
	Manhole Water		Flowline
	Meter Water		Grade Line
	Pedestrian Activator		Hinge Point
	Pedestrian Signal Pole		Property Line
	Pillar		Right of Way
	Post		Striping
	Pull Box Cable TV	<b>ABBREVIATION</b>	
	Pull Box Electrical	BM	Benchmark
	Pull Box Irrigation	CL	Centerline
	Pull Box Traffic	CP	Control Point
	Sewer Cleanout	DWS	Detectable Warning Surface
	Sign Board	DWY	Driveway
	Sign Post	EL	Elevation
	Traffic Signal	FL	Flowline
	Traffic Signal w/ Light	FD	Found
	Tree	INV	Invert
	Valve Irrigation	<b>AREA PATTERN KEY</b>	
	Valve Water		Concrete
	Valve Undefined		Dirt
	Vault Cable TV		Grass
	Vault Electrical		Detectable Warning Surface
	Vault Undefined		
	Vent Pipe		



COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		<b>ANTONIO PARKWAY          GATEWAY IMPROVEMENTS</b>	
TOPOGRAPHIC MAP			
PROJECT LIMITS: 60' EAST AND WEST OF ANTONIO PARKWAY CENTERLINE.			
FROM THE MEANDERING TRAIL INTERSECTION N'LY TO APPROXIMATELY			
DATE OF SURVEY: 04/17/2024	BY: R. BELTRAN, LSIT	SHEET NO.	
MAPPING	BY: J. PEDRETTI, EIT, LSIT	<b>3</b> of <b>6</b>	
OFFICE CHECK	BY: J. MORENO, PLS		
FIELD CHECK	BY: R. BELTRAN, LSIT		
SCALE: N.T.S.	W.O. #EQ200065	FILE #2324PW-CM0012	
FILE: ANTONIO PKWY GATEWAY IMPROVEMENT_REV2_TOPO_2025.DWG			

SEE SHEET 5

ANTONIO PKWY

APN 125-097-27

CP# 754  
SET LEAD-BRASS NAIL & 1-1/4 INCH  
TAG STAMPED "OCS" ON TOP CURB  
N: 2164471.72  
E: 6143713.36  
EL: 697.61'

CP# 750  
SET LEAD-BRASS NAIL & 1-1/4 INCH  
TAG STAMPED "OCS" ON TOP CURB  
N: 2164267.29  
E: 6143530.66  
EL: 694.60'

CATCH BASIN

APN 125-097-27

ANTONIO PKWY

APN 780-071-59

LIMITS OF ORIGINAL TOPO

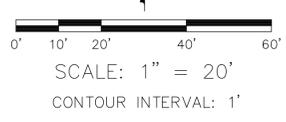
CATCH BASIN

LIMITS OF ORIGINAL TOPO

SEE SHEET 3

### LEGEND

SYMBOL		SYMBOL	
	Backflow Preventer Device		Yard Light
	Control Box Electrical	<b>LINE PATTERN KEY</b>	
	Control Box Telephone		Block Wall
	Control Box Undefined		Bush Row Outline
	Control Point		Centerline
	Curb Drain/Weep Hole		Concrete Wall
	Drop Inlet		Edge of Concrete
	Fire Hydrant		Edge of Asphalt Pavement
	Grate Inlet		Exposed Pipe
	Light Pole, Single		PEX
	Manhole Sewer		Fence Barbed-Wire
	Manhole Storm Drain		Fence Chainlink
	Manhole Telephone		Fence Post and Wire
	Manhole Undefined		Fence Wood
	Manhole Water		Flowline
	Meter Water		Grade Line
	Pedestrian Activator		Hinge Point
	Pedestrian Signal Pole		Property Line
	Pilaster		Right of Way
	Post		Striping
	Pull Box Cable TV	<b>ABBREVIATION</b>	
	Pull Box Electrical	BM	Benchmark
	Pull Box Irrigation	CL	Centerline
	Pull Box Traffic	CP	Control Point
	Sewer Cleanout	DWS	Detectable Warning Surface
	Sign Board	DWY	Driveway
	Sign Post	EL	Elevation
	Traffic Signal	FL	Flowline
	Traffic Signal w/ Light	FD	Found
	Tree	INV	Invert
	Valve Irrigation	<b>AREA PATTERN KEY</b>	
	Valve Water		Concrete
	Valve Undefined		Dirt
	Vault Cable TV		Grass
	Vault Electrical		Detectable Warning Surface
	Vault Undefined		
	Vent Pipe		



COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
<b>ANTONIO PARKWAY GATEWAY IMPROVEMENTS</b>	
TOPOGRAPHIC MAP	
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DATE OF SURVEY: 04/17/2024	BY: R. BELTRAN, LSIT
MAPPING	BY: J. PEDRETTI, EIT, LSIT
OFFICE CHECK	BY: J. MORENO, PLS
FIELD CHECK	BY: R. BELTRAN, LSIT
SCALE: N.T.S.	W.O. #EQ200065
FILE #2324PW-CM0012	
FILE: ANTONIO PKWY GATEWAY IMPROVEMENT_REV2_TOPO_2025.DWG	

# LEGEND

SYMBOL		SYMBOL	
	Backflow Preventer Device		Yard Light
	Control Box Electrical	<b>LINE PATTERN KEY</b>	
	Control Box Telephone		Block Wall
	Control Box Undefined		Bush Row Outline
	Control Point		Centerline
	Curb Drain/Weep Hole		Concrete Wall
	Drop Inlet		Edge of Concrete
	Fire Hydrant		Edge of Asphalt Pavement
	Grate Inlet		Exposed Pipe
	Light Pole, Single		PEX
	Manhole Sewer		Fence Barbed-Wire
	Manhole Storm Drain		Fence Chainlink
	Manhole Telephone		Fence Post and Wire
	Manhole Undefined		Fence Wood
	Manhole Water		Flowline
	Meter Water		Grade Line
	Pedestrian Activator		Hinge Point
	Pedestrian Signal Pole		Property Line
	Pilaster		Right of Way
	Post		Striping
	Pull Box Cable TV	<b>ABBREVIATION</b>	
	Pull Box Electrical	BM	Benchmark
	Pull Box Irrigation	CL	Centerline
	Pull Box Traffic	CP	Control Point
	Sewer Cleanout	DWS	Detectable Warning Surface
	Sign Board	DWY	Driveway
	Sign Post	EL	Elevation
	Traffic Signal	FL	Flowline
	Traffic Signal w/ Light	FD	Found
	Tree	INV	Invert
	Valve Irrigation	<b>AREA PATTERN KEY</b>	
	Valve Water		Concrete
	Valve Undefined		Dirt
	Vault Cable TV		Grass
	Vault Electrical		Detectable Warning Surface
	Vault Undefined		
	Vent Pipe		

SEE SHEET 6

CP# 755  
 SET LEAD-BRASS NAIL & 1-1/4 INCH  
 TAG STAMPED "OCS" ON TOP CURB  
 N: 2164922.44'  
 E: 6143757.19'  
 EL: 700.24'

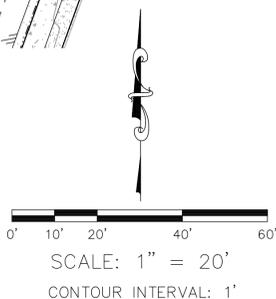
CP# 9708  
 FOUND PUNCHED BOAT SPIKE  
 AND 1-1/2 INCH BRASS  
 WASHER STAMPED "PLS 7172"  
 FLUSH IN ASPHALT  
 N: 2164593.79  
 E: 6143702.80  
 EL: 698.70'

APN 125-087-20

APN 125-097-27

APN 125-097-27

SEE SHEET 4



COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
<b>ANTONIO PARKWAY GATEWAY IMPROVEMENTS</b>	
TOPOGRAPHIC MAP	
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MAPPING	BY: J. PEDRETTI, EIT, LSIT
OFFICE CHECK	BY: J. MORENO, PLS
FIELD CHECK	BY: R. BELTRAN, LSIT
SCALE: N.T.S.	W.O. #EQ20006S
FILE # 2324PW-CM0012	
FILE: ANTONIO PKWY GATEWAY IMPROVEMENT_REV2_TOPO_2025.DWG	

# LEGEND

SYMBOL	SYMBOL
	Backflow Preventer Device
	Control Box Electrical
	Control Box Telephone
	Control Box Undefined
	Control Point
	Curb Drain/Weep Hole
	Drop Inlet
	Fire Hydrant
	Grate Inlet
	Light Pole, Single
	Manhole Sewer
	Manhole Storm Drain
	Manhole Telephone
	Manhole Undefined
	Manhole Water
	Meter Water
	Pedestrian Activator
	Pedestrian Signal Pole
	Pilaster
	Post
	Pull Box Cable TV
	Pull Box Electrical
	Pull Box Irrigation
	Pull Box Traffic
	Sewer Cleanout
	Sign Board
	Sign Post
	Traffic Signal
	Traffic Signal w/ Light
	Tree
	Valve Irrigation
	Valve Water
	Valve Undefined
	Vault Cable TV
	Vault Electrical
	Vault Undefined
	Vent Pipe

SYMBOL	SYMBOL
	Yard Light

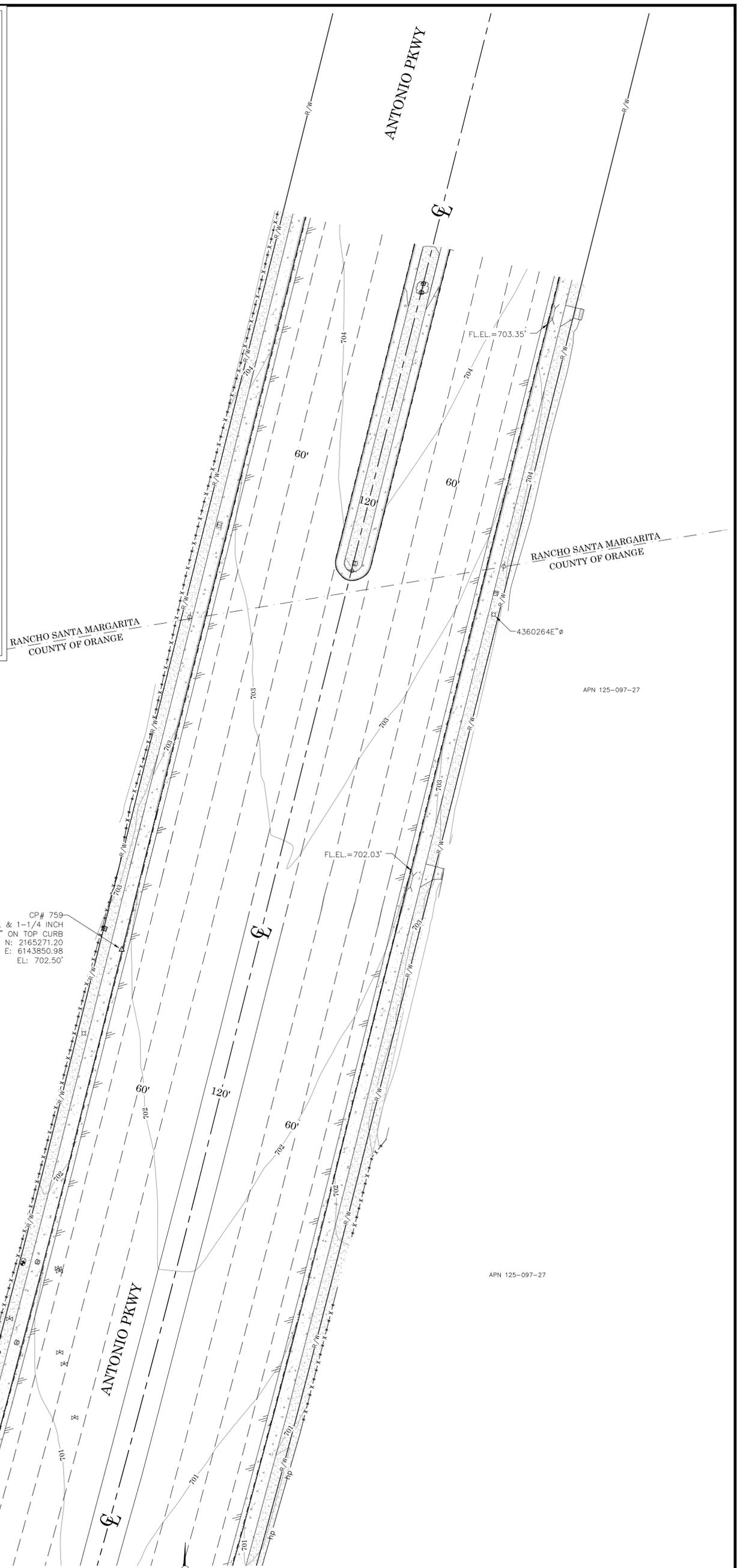
LINE PATTERN KEY	SYMBOL
	Block Wall
	Bush Row Outline
	Centerline
	Concrete Wall
	Edge of Concrete
	Edge of Asphalt Pavement
	Exposed Pipe
	PEX
	Fence Barbed-Wire
	Fence Chainlink
	Fence Post and Wire
	Fence Wood
	Flowline
	Grade Line
	Hinge Point
	Property Line
	Right of Way
	Striping

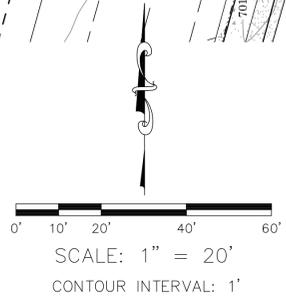
ABBREVIATION	SYMBOL
BM	Benchmark
CL	Centerline
CP	Control Point
DWS	Detectable Warning Surface
DWY	Driveway
EL	Elevation
FL	Flowline
FD	Found
INV	Invert

AREA PATTERN KEY	SYMBOL
	Concrete
	Dirt
	Grass
	Detectable Warning Surface



SEE SHEET 5



COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
<b>ANTONIO PARKWAY                  GATEWAY IMPROVEMENTS</b>	
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FILE: #2324PW-CM0012	FILE: #2324PW-CM0012
FILE: ANTONIO PKWY GATEWAY IMPROVEMENT_REV2_TOPO_2025.DWG	

MARK	DATE	ITEM
2	DEC 2025	CONTINUED TOPO ELY ALONG MEANDERING TRAIL 42'+/- AND ADDED THE NEW MEDIAN ISLAND AT THE N'LY 135'+/- OF ANTONIO PARKWAY
1	MAY 2025	CONTINUED TOPOGRAPHY S'LY TO THE MEANDERING TRAIL INTERSECTION. REORDERED SHEETS TO BETTER REFLECT ADDITIONAL INFORMATION. ADJUSTED VCNTRY MAP BASIS OF BEARING TO BETTER REFLECT CONDITIONS.