



OC PUBLIC WORKS DEPARTMENT

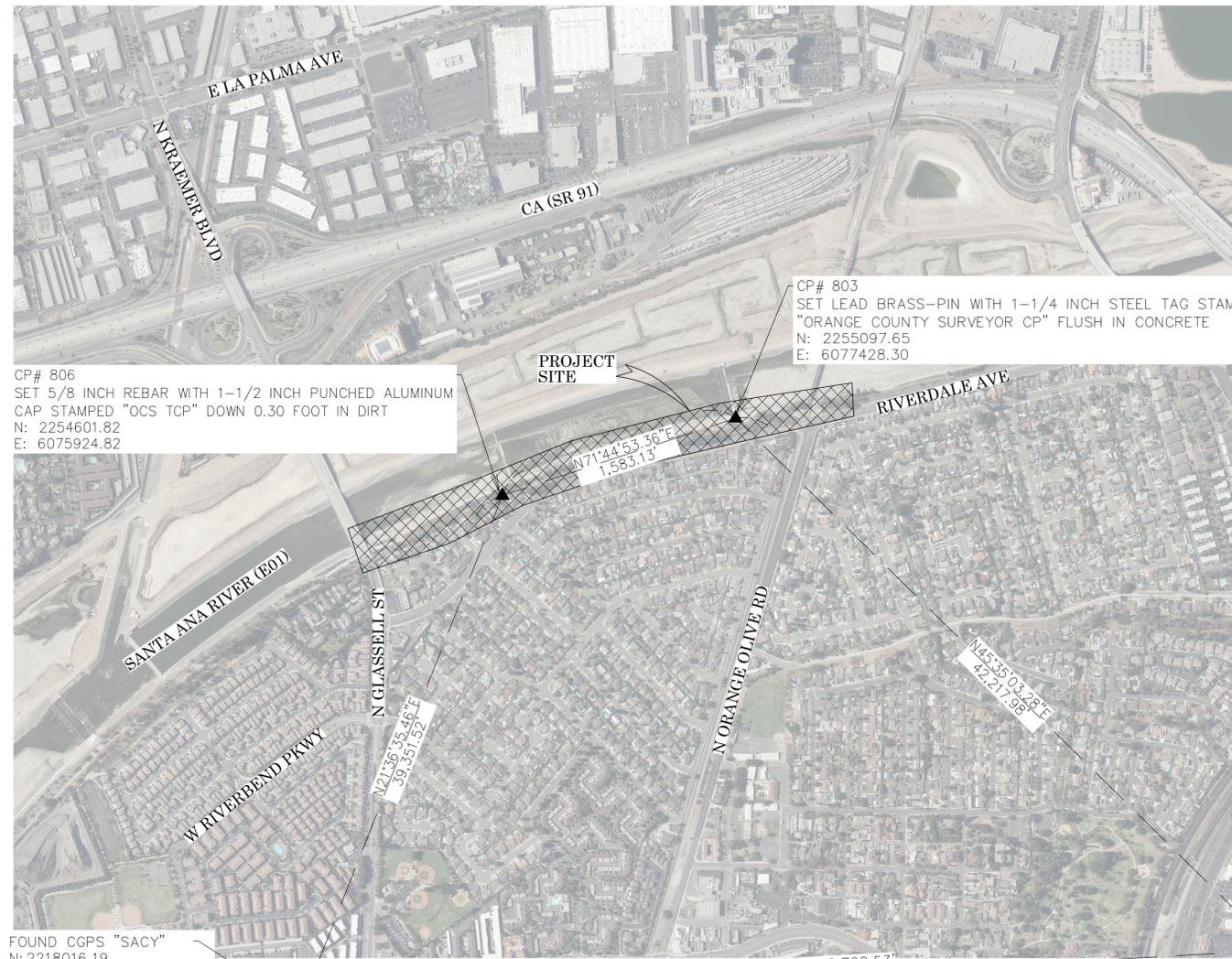
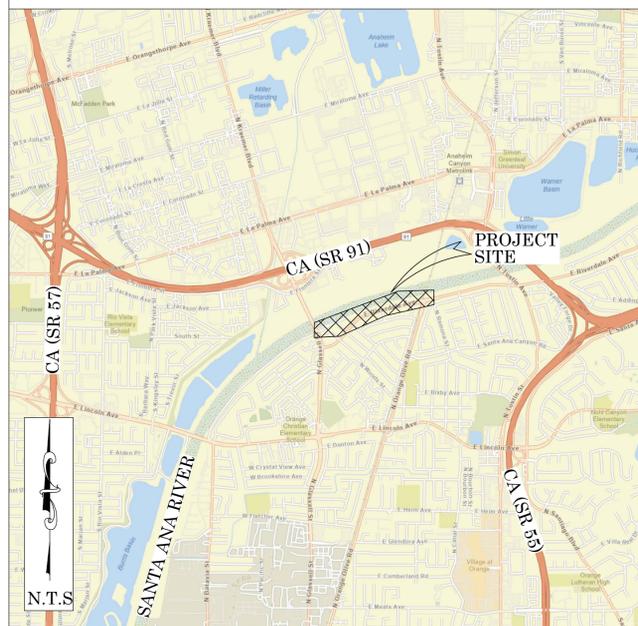
KEVIN ONUMA, DIRECTOR OF PUBLIC WORKS

SANTA ANA RIVER TRAIL

TRAIL TOPO



LOCATION MAP



N.T.S.

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 "SACY" AND "OEOC" BEING NORTH 80°43'39.27 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 1.00001183.

THIS COMBINATION FACTOR WAS HELD AT: CP# 806
 N: 2254601.821 E: 6075924.816 EL: 230.445'

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

VERTICAL DATUM

O.C.S. BM. 1L-62-82 ELEV. = 243.534' YEAR LEVELED: 2006

NAVD 88 (O.C.S. 1995 ADJUSTMENT)

DESCRIPTION: FOUND 3 3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "1L-62-82", SET IN THE SOUTHERLY END OF A CONCRETE BRIDGE ABUTMENT. MONUMENT IS LOCATED IN THE SOUTHWESTERLY CORNER OF THE ATCHINSON TOPEKA AND SANTA FE RAILWAY CROSSING OF THE SANTA ANA RIVER, 9.7 FT. WESTERLY OF THE CENTERLINE OF THE RAILWAY AND BETWEEN THE CROSSING OF GLASSELL STREET AND TUSTIN AVENUE ALONG THE SOUTHERLY LEVEE OF THE RIVER. MONUMENT IS SET LEVEL WITH THE TOP OF 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.

SHEET INDEX

SHEET NO.	TITLE SHEET	DESCRIPTION
SHEET 1	TITLE SHEET	
SHEET 2-7	TOPOGRAPHIC MAP	

PURPOSE OF SURVEY

THE PURPOSE OF THE SURVEY IS TO PROVIDE A TOPOGRAPHIC MAP FOR THIS PORTION OF BIKE TRAIL.

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 27 DAY OF OCTOBER, 2025.

DocuSigned by:

 F9F871C9735463
 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 27 DAY OF OCTOBER, 2025.

DocuSigned by:

 F38784613C4C3
 TATE LOFGREEN, PLS. SENIOR LAND SURVEYOR



FOUND CGPS "SACY"
 N: 2218016.19
 E: 6061432.27
 THIS IS A CONTINUOUS OPERATING GLOBAL POSITIONING STATION (CGPS) AND IS PART OF THE CALIFORNIA SPATIAL REFERENCE SYSTEM (CSRS).

FOUND CGPS "OEOC"
 N: 2225550.98
 E: 6107583.77
 THIS IS A CONTINUOUS OPERATING GLOBAL POSITIONING STATION (CGPS) AND IS PART OF THE CALIFORNIA SPATIAL REFERENCE SYSTEM (CSRS).



TOPOGRAPHIC MAPPING PROJECT

MARK		DATE	ITEM	COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES		
				SANTA ANA RIVER TRAIL TRAIL TOPO		
TITLE SHEET						
PROJECT LIMITS: FROM GLASSELL ST. TO EAST OF A.T. & S.F. RAILROAD						
DATE OF SURVEY: 9/16/2025		BY: S. BARAJAS & CREW		SHEET NO.		
MAPPING		BY: T. LOFGREEN, PLS.		1 of 7		
OFFICE CHECK		BY: E. MEDINA, PLS.				
FIELD CHECK		BY: S. BARAJAS & CREW				
SCALE: N.T.S.		W.O. #EC41920		FILE #2526PW-CM002		
REVISIONS		FILE: SAR_TRAIL_TOPO_2025.DWG				

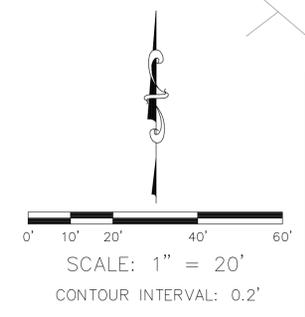
LEGEND

SYMBOL		AREA PATTERN KEY	
	Control Point		Concrete
	Curb Drain/Weep Hole		Grass
	Drop Inlet		Dirt
	Gate, Double		Rip Rap
	Gate, Single		
	Light Pole, Single	ABBREVIATION	
	Manhole Sewer	AC	Asphalt Concrete
	Manhole Storm Drain	BC	Beginning of Curve
	Pilaster	BM	Benchmark
	Post	CL	Centerline
	Pull Box Electrical	CONC	Concrete
	Pull Box Irrigation	CP	Control Point
	Pull Box Undefined	EL	Elevation
	Rock/Boulder	EC	End of Curve
	Sign Post	FS	Finished Surface
	Sprinkler	FL	Flowline
	Tree	INV	Invert
	Valve Irrigation	RCP	Reinforced Concrete Pipe
	Valve Undefined	TC	Top of Curb
		TW	Top of Wall

LINE PATTERN KEY	
	Block Wall
	Concrete Wall
	Edge of Concrete
	Edge of Asphalt Pavement
	Exposed Pipe
	Fence Chainlink
	Fence Pipe and Cable
	Fence Post and Wire
	Fence Wood
	Flowline
	Hand Rail
	Hinge Point
	Mow Strip
	Retaining Wall
	Striping



SEE SHEET 3



COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION / SURVEY-FIELD SERVICES	
SANTA ANA RIVER TRAIL TRAIL TOPO	
TITLE SHEET	
PROJECT LIMITS: FROM GLASSELL ST. TO EAST OF A.T. & S.F. RAILROAD	
DATE OF SURVEY: 9/16/2025	BY: S. BARAJAS & CREW
MAPPING	BY: T. LOFGREEN, PLS
OFFICE CHECK	BY: E. MEDINA, PLS
FIELD CHECK	BY: S. BARAJAS & CREW
SCALE: 1" = 20'	W.O. #EC41920
FILE: SAR_TRAIL_TOPO_2025.DWG	FILE #2526PW-CM0002

MARK	DATE	ITEM
REVISIONS		

PROJECT LIMITS: FROM GLASSELL ST. TO EAST OF A.T. & S.F. RAILROAD	SHEET NO. 2
DATE OF SURVEY: 9/16/2025	
MAPPING	of 7
OFFICE CHECK	
FIELD CHECK	
SCALE: 1" = 20'	
FILE: SAR_TRAIL_TOPO_2025.DWG	

SYMBOL

- Control Point
- Curb Drain/Weep Hole
- Drop Inlet
- Gate, Double
- Gate, Single
- Light Pole, Single
- Manhole Sewer
- Manhole Storm Drain
- Pilaster
- Post
- Pull Box Electrical
- Pull Box Irrigation
- Pull Box Undefined
- Rock/Boulder
- Sign Post
- Sprinkler
- Tree
- Valve Irrigation
- Valve Undefined

LEGEND

LINE PATTERN KEY

- Block Wall
- Concrete Wall
- Edge of Concrete
- Edge of Asphalt Pavement
- Exposed Pipe
- Fence Chainlink
- Fence Pipe and Cable
- Fence Post and Wire
- Fence Wood
- Flowline
- Hand Rail
- Hinge Point
- Mow Strip
- Retaining Wall
- Striping

AREA PATTERN KEY

- Concrete
- Grass
- Dirt
- Rip Rap

ABBREVIATION

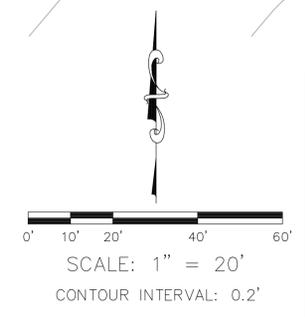
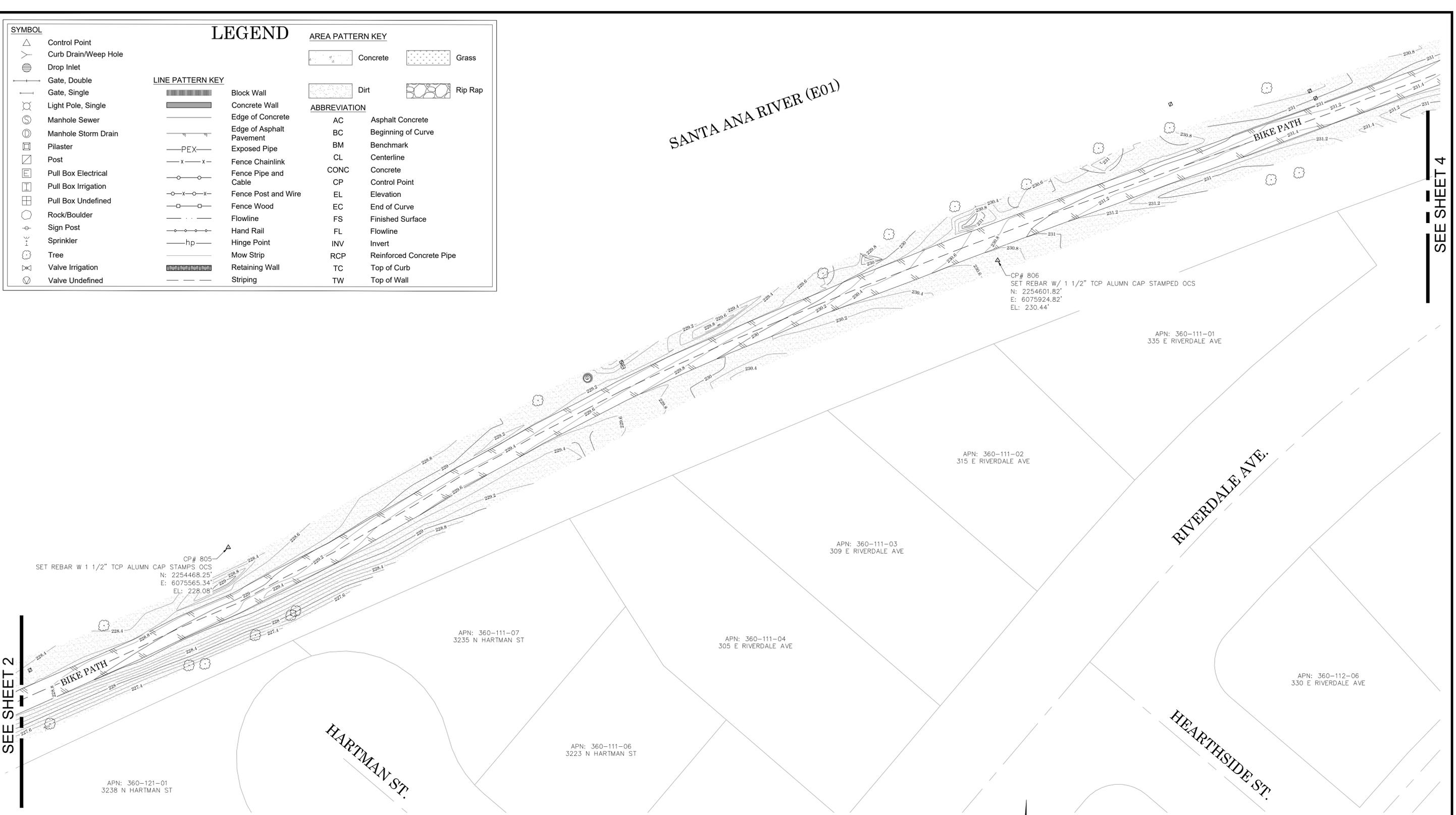
- AC Asphalt Concrete
- BC Beginning of Curve
- BM Benchmark
- CL Centerline
- CONC Concrete
- CP Control Point
- EL Elevation
- EC End of Curve
- FS Finished Surface
- FL Flowline
- INV Invert
- RCP Reinforced Concrete Pipe
- TC Top of Curb
- TW Top of Wall

SANTA ANA RIVER (E01)

SEE SHEET 4

SEE SHEET 2

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



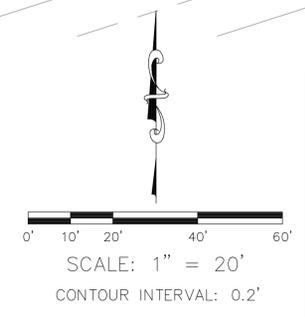
COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION / SURVEY-FIELD SERVICES		SANTA ANA RIVER TRAIL TRAIL TOPO	
TITLE SHEET			
PROJECT LIMITS: FROM GLASSSELL ST. TO EAST OF A.T. & S.F. RAILROAD			
DATE OF SURVEY: 9/16/2025	BY: S. BARAJAS & CREW	SHEET NO.	
MAPPING	BY: T. LOFGREEN, PLS	3	
OFFICE CHECK	BY: E. MEDINA, PLS	of	
FIELD CHECK	BY: S. BARAJAS & CREW	7	
SCALE: 1" = 20'	W.O. #EC41920	FILE #2526PW-CM0002	
REVISIONS		FILE: SAR_TRAIL_TOPO_2025.DWG	

LEGEND

SYMBOL		AREA PATTERN KEY	
	Control Point		Concrete
	Curb Drain/Weep Hole		Grass
	Drop Inlet		Dirt
	Gate, Double		Rip Rap
	Gate, Single		
	Light Pole, Single	ABBREVIATION	
	Manhole Sewer	AC	Asphalt Concrete
	Manhole Storm Drain	BC	Beginning of Curve
	Pilaster	BM	Benchmark
	Post	CL	Centerline
	Pull Box Electrical	CONC	Concrete
	Pull Box Irrigation	CP	Control Point
	Pull Box Undefined	EL	Elevation
	Rock/Boulder	EC	End of Curve
	Sign Post	FS	Finished Surface
	Sprinkler	FL	Flowline
	Tree	INV	Invert
	Valve Irrigation	RCP	Reinforced Concrete Pipe
	Valve Undefined	TC	Top of Curb
		TW	Top of Wall

SEE SHEET 3

SEE SHEET 5



COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION / SURVEY-FIELD SERVICES			
SANTA ANA RIVER TRAIL TRAIL TOPO			
TITLE SHEET			
PROJECT LIMITS: FROM GLASSSELL ST. TO EAST OF A.T. & S.F. RAILROAD			
DATE OF SURVEY: 9/16/2025	BY: S. BARAJAS & CREW	SHEET NO. 4 of 7	
MAPPING	BY: T. LOFGREEN, PLS		
OFFICE CHECK	BY: E. MEDINA, PLS	FILE #2526PW-CM0002	
FIELD CHECK	BY: S. BARAJAS & CREW		
SCALE: 1" = 20'	W.O. #EC41920	FILE #2526PW-CM0002	
FILE: SAR_TRAIL_TOPO_2025.DWG			

SYMBOL

- Control Point
- Curb Drain/Weep Hole
- Drop Inlet
- Gate, Double
- Gate, Single
- Light Pole, Single
- Manhole Sewer
- Manhole Storm Drain
- Pilaster
- Post
- Pull Box Electrical
- Pull Box Irrigation
- Pull Box Undefined
- Rock/Boulder
- Sign Post
- Sprinkler
- Tree
- Valve Irrigation
- Valve Undefined

LEGEND

LINE PATTERN KEY

- Block Wall
- Concrete Wall
- Edge of Concrete
- Edge of Asphalt Pavement
- Exposed Pipe
- Fence Chainlink
- Fence Pipe and Cable
- Fence Post and Wire
- Fence Wood
- Flowline
- Hand Rail
- Hinge Point
- Mow Strip
- Retaining Wall
- Striping

AREA PATTERN KEY

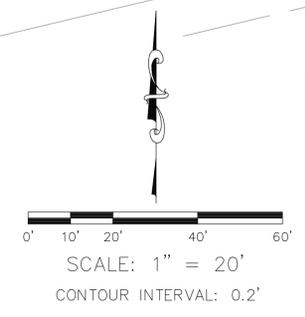
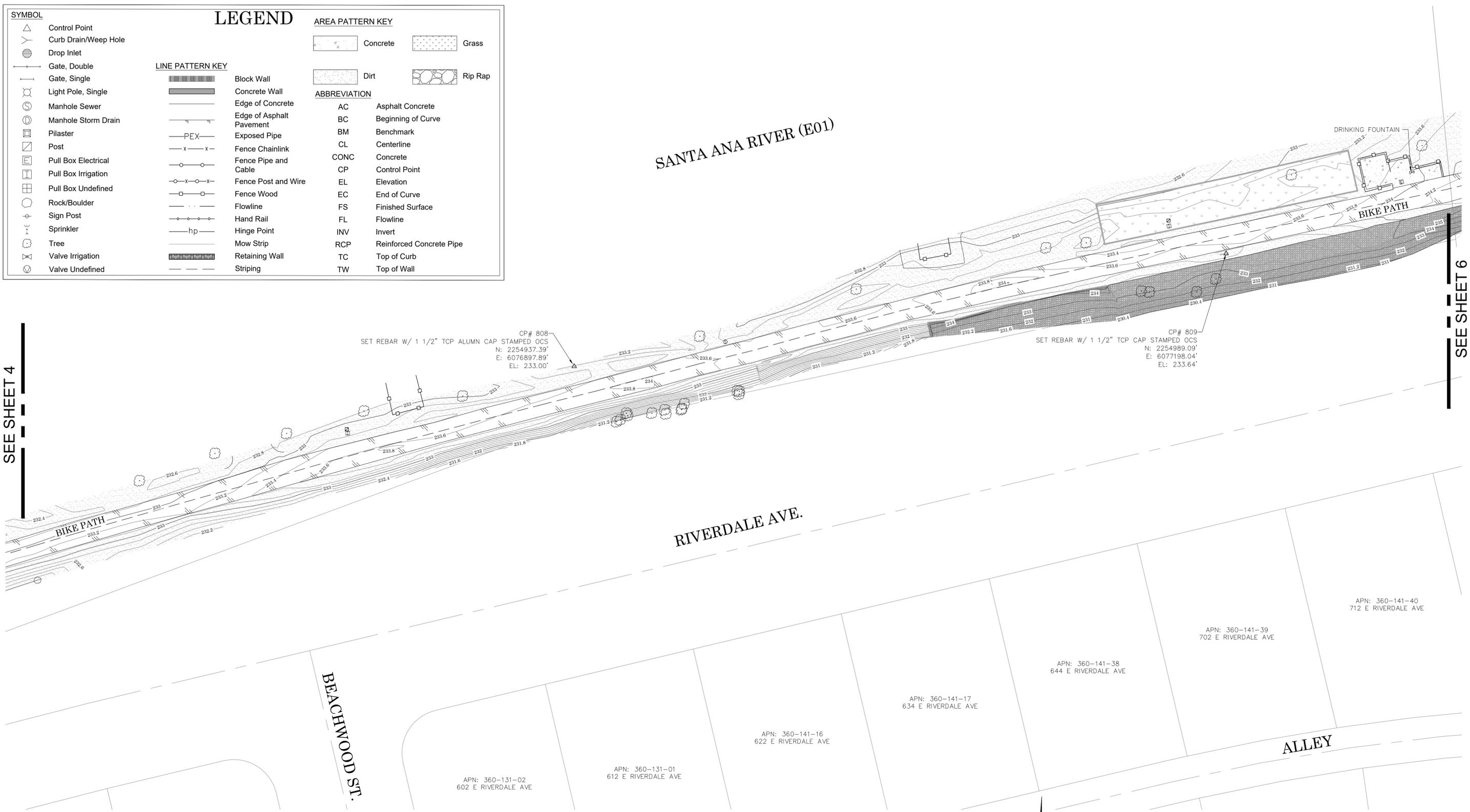
- Concrete
- Grass
- Dirt
- Rip Rap

ABBREVIATION

- AC Asphalt Concrete
- BC Beginning of Curve
- BM Benchmark
- CL Centerline
- CONC Concrete
- CP Control Point
- EL Elevation
- EC End of Curve
- FS Finished Surface
- FL Flowline
- INV Invert
- RCP Reinforced Concrete Pipe
- TC Top of Curb
- TW Top of Wall

SEE SHEET 4

SEE SHEET 6



COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION / SURVEY-FIELD SERVICES		SANTA ANA RIVER TRAIL TRAIL TOPO	SHEET NO. 5 of 7
TITLE SHEET			
PROJECT LIMITS: FROM GLASSSELL ST. TO EAST OF A.T. & S.F. RAILROAD			
DATE OF SURVEY: 9/16/2025	BY: S. BARAJAS & CREW		
MAPPING	BY: T. LOFGREEN, PLS		
OFFICE CHECK	BY: E. MEDINA, PLS		
FIELD CHECK	BY: S. BARAJAS & CREW		
SCALE: 1" = 20'	W.O. #EC41920	FILE #2526PW-CM0002	
FILE: SAR_TRAIL_TOPO_2025.DWG			

SYMBOL

- Control Point
- Curb Drain/Weep Hole
- Drop Inlet
- Gate, Double
- Gate, Single
- Light Pole, Single
- Manhole Sewer
- Manhole Storm Drain
- Pilaster
- Post
- Pull Box Electrical
- Pull Box Irrigation
- Pull Box Undefined
- Rock/Boulder
- Sign Post
- Sprinkler
- Tree
- Valve Irrigation
- Valve Undefined

LEGEND

LINE PATTERN KEY

- Block Wall
- Concrete Wall
- Edge of Concrete
- Edge of Asphalt Pavement
- Exposed Pipe
- Fence Chainlink
- Fence Pipe and Cable
- Fence Post and Wire
- Fence Wood
- Flowline
- Hand Rail
- Hinge Point
- Mow Strip
- Retaining Wall
- Striping

AREA PATTERN KEY

- Concrete
- Grass
- Dirt
- Rip Rap

ABBREVIATION

- AC Asphalt Concrete
- BC Beginning of Curve
- BM Benchmark
- CL Centerline
- CONC Concrete
- CP Control Point
- EL Elevation
- EC End of Curve
- FS Finished Surface
- FL Flowline
- INV Invert
- RCP Reinforced Concrete Pipe
- TC Top of Curb
- TW Top of Wall

APN: 360-071-12

SANTA ANA RIVER (E01)

SANTA ANA RIVER (E01)

A.T. & S.F. R.R.

ORANGE OLIVE RD.

RIVERDALE AVE.

APN: 360-141-05
3345 N COTTONWOOD ST

SEE SHEET 5

SEE SHEET 7

DRINKING FOUNTAIN

BIKE PATH

RUBBERIZED PLAYGROUND

BIKE PATH

BIKE PATH

CP# 803
SET BRASS-PIN W/ 1 1/4" TAG STAMPED OCS
N: 2255097.65'
E: 6077428.30'
EL: 233.88'

CP# 810
SET REBAR W/ 1 1/2" TCP CAP STAMPED OCS
N: 2255070.76'
E: 6077543.68'
EL: 234.86'

CP# 811
SET REBAR W/ 1 1/2" TCP ALUMN CAP STAMPED OCS
N: 2255134.81'
E: 6077682.66'
EL: 235.53'

12" RCP
INV EL = 235.45'

12" RCP
INV EL = 237.17'

SOFFIT EL = 236.44
BRIDGE CLEARANCE = 9.49'
SOFFIT EL = 236.52
BROKEN AC BERM
SOFFIT EL = 236.41
BRIDGE CLEARANCE = 9.81'

SOFFIT EL = 236.25
SOFFIT EL = 236.25

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

0' 10' 20' 40' 60'

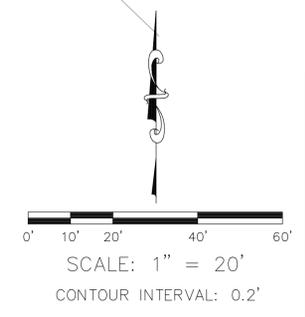
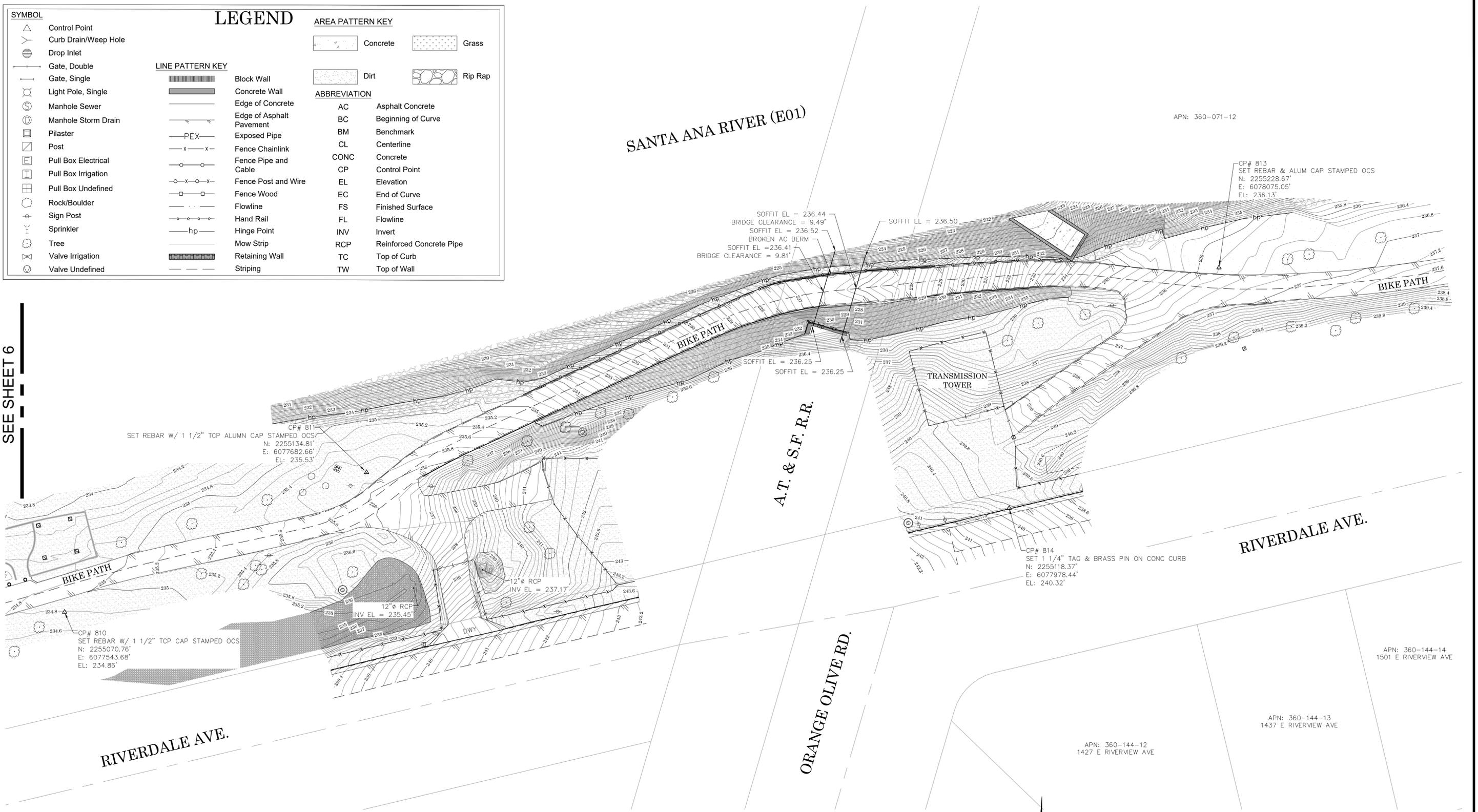
SCALE: 1" = 20'

CONTOUR INTERVAL: 0.2'

COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION / SURVEY-FIELD SERVICES		SANTA ANA RIVER TRAIL TRAIL TOPO
TITLE SHEET		
PROJECT LIMITS: FROM GLASSSELL ST. TO EAST OF A.T. & S.F. RAILROAD		
DATE OF SURVEY: 9/16/2025	BY: S. BARAJAS & CREW	SHEET NO. 6 of 7
MAPPING	BY: T. LOFGREEN, PLS	
OFFICE CHECK	BY: E. MEDINA, PLS	
FIELD CHECK	BY: S. BARAJAS & CREW	
SCALE: 1" = 20'	W.O. #EC41920	
FILE: SAR_TRAIL_TOPO_2025.DWG	FILE #2526PW-CM0002	

SYMBOL		LEGEND		AREA PATTERN KEY	
	Control Point		Block Wall		Concrete
	Curb Drain/Weep Hole		Concrete Wall		Grass
	Drop Inlet		Edge of Concrete		Dirt
	Gate, Double		Edge of Asphalt Pavement		Rip Rap
	Gate, Single		Exposed Pipe		
	Light Pole, Single		Fence Chainlink		
	Manhole Sewer		Fence Pipe and Cable		
	Manhole Storm Drain		Fence Post and Wire		
	Pilaster		Fence Wood		
	Post		Flowline		
	Pull Box Electrical		Hand Rail		
	Pull Box Irrigation		Hinge Point		
	Pull Box Undefined		Mow Strip		
	Rock/Boulder		Retaining Wall		
	Sign Post		Striping		
	Sprinkler				
	Tree				
	Valve Irrigation				
	Valve Undefined				

SEE SHEET 6



COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION / SURVEY-FIELD SERVICES		SANTA ANA RIVER TRAIL TRAIL TOPO	
TITLE SHEET			
PROJECT LIMITS: FROM GLASSSELL ST. TO EAST OF A.T. & S.F. RAILROAD			
DATE OF SURVEY: 9/16/2025	BY: S. BARAJAS & CREW	SHEET NO.	
MAPPING	BY: T. LOFGREEN, PLS	7	
OFFICE CHECK	BY: E. MEDINA, PLS	of	
FIELD CHECK	BY: S. BARAJAS & CREW	7	
SCALE: 1" = 20'	W.O. #EC41920	FILE #2526PW-CM0002	
REVISIONS		FILE: SAR_TRAIL_TOPO_2025.DWG	