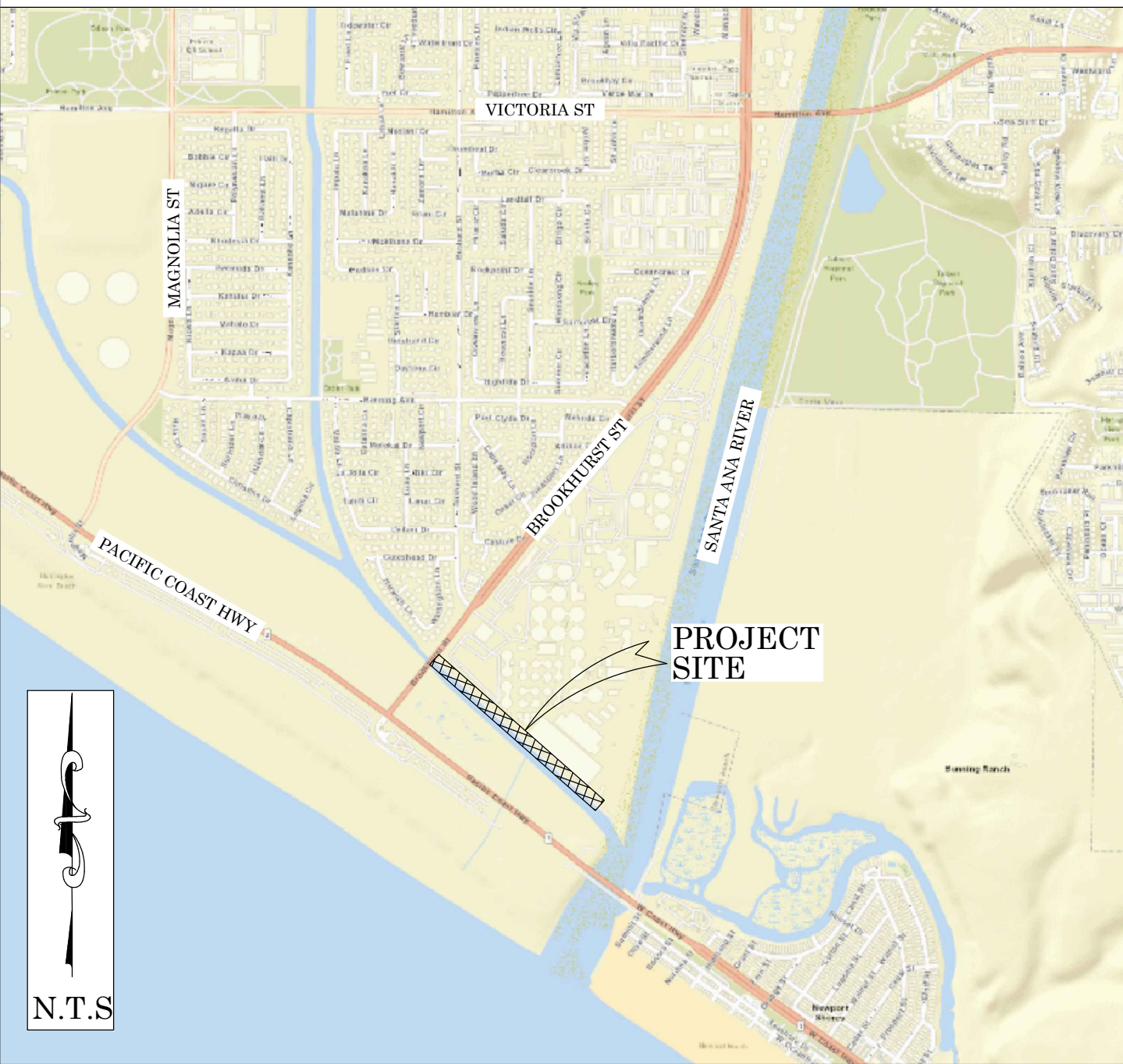




OC PUBLIC WORKS DEPARTMENT
JAMES TREADAWAY, DIRECTOR OF PUBLIC WORKS
KEVIN HILLS, COUNTY SURVEYOR
TALBERT MARSH CHANNEL D02

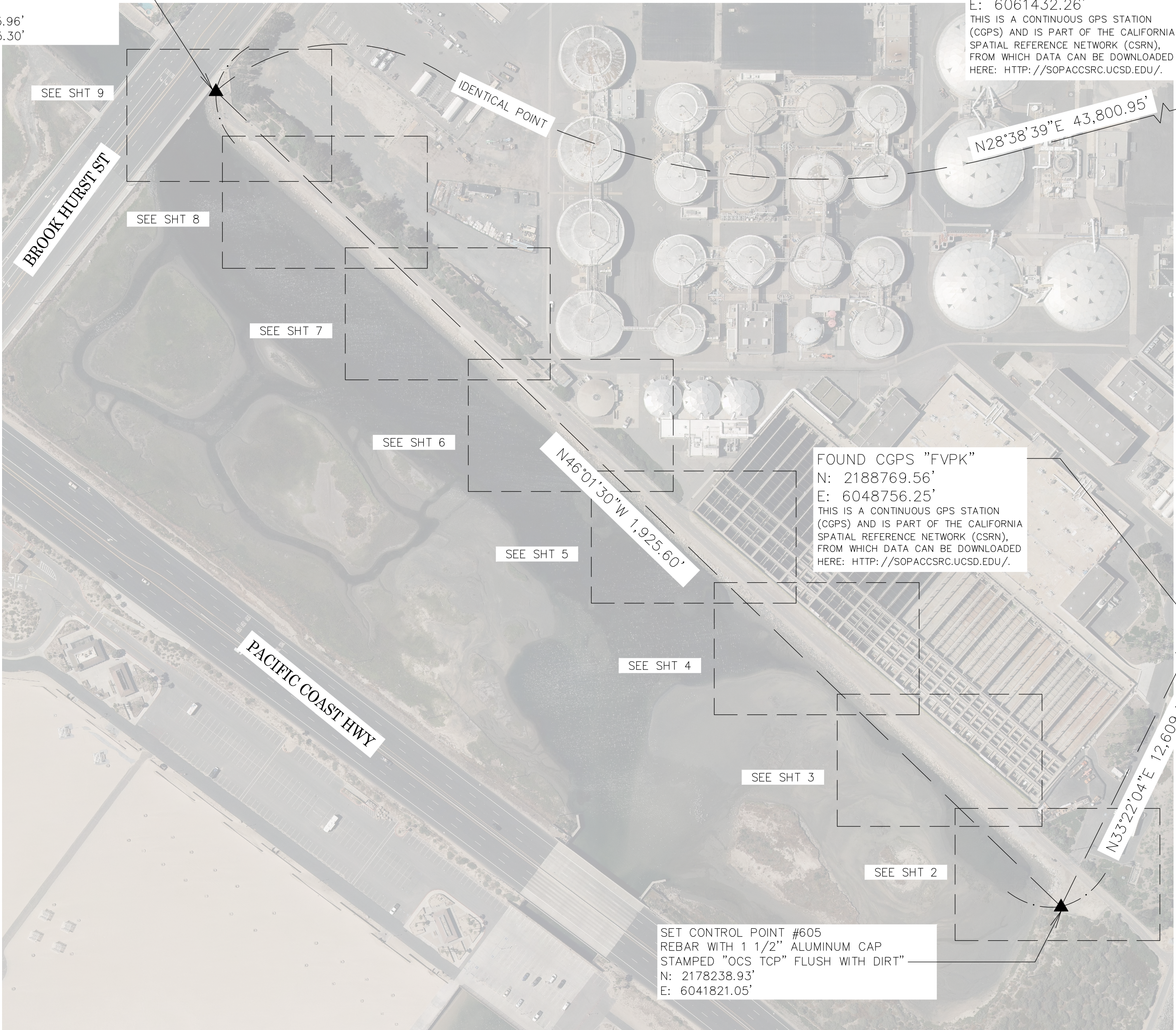


LOCATION MAP



SLOPE REPAIR

SET CONTROL POINT #606
LEAD AND TACK WITH TAG
STAMPED "ORANGE COUNTY
SURVEYOR" CP FLUSH WITH
CONCRETE
N: 2179575.96'
E: 6040435.30'



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 (FVPK) AND (SACY) BEING NORTH 23°25'57" 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 1.00002690.
THIS COMBINATION FACTOR WAS DERIVED FROM POINT NUMBER 606
N:2179575.96, E:6040435.30, EL:10.73'
ALL DISTANCES ARE BASED ON THE U.S. SURVEY FOOT.

VERTICAL DATUM

O.C.S. BM. 1J-67-89 ELEV. = 11.19' YEAR LEVELED: 2005
NAVD 1988 (O.C.S. 1995 ADJUSTMENT)
DESCRIBED BY OCS 2002 - FOUND 3 3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "1J-67-89". SET IN THE SOUTHERLY END OF A CONCRETE HEADWALL. MONUMENT IS LOCATED IN THE SOUTHWEST CORNER OF THE INTERSECTION OF THE TALBERT CHANNEL AND BROOKHURST STREET, 65 FT. WESTERLY OF THE CENTERLINE OF BROOKHURST STREET AND 85 FT. SOUTHERLY OF A 36 IN. RCP FOUND IN THE CENTER OF THE BRIDGE. MONUMENT IS SET LEVEL WITH THE BRIDGE DECK.

NOTES

THE SURVEY INFORMATION SHOWN HEREON IS TO BE USED FOR TOPOGRAPHIC RELATIONSHIPS ONLY AND IS NOT INTENDED FOR LAND ACQUISITION OR BOUNDARY PURPOSES.
PARCELS SHOWN WITHOUT BEARING AND DISTANCES ARE FOR GRAPHICAL PURPOSES.
ALL RIGHT OF WAY LINES SHOWN HEREON ARE BASED ON THE OC LAND BASE. THEY ARE PLACED HEREON FOR REFERENCE PURPOSES ONLY AND ARE APPROXIMATE IN LOCATION.

SHEET INDEX

SHEET NO.	DESCRIPTION
SHEET 1	TITLE SHEET
SHEETS 2-9	TOPOGRAPHIC MAP

PURPOSE OF SURVEY

THE PURPOSE OF THE SURVEY IS TO PROVIDE A TOPOGRAPHIC MAP AND TO DELINEATE THE LIMITS OF THE EELGRASS

SENIOR LAND SURVEYOR'S CERTIFICATE:

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS 01 DAY OF FEBRUARY, 2021.

ELLIOTT MEDINA, PLS. SENIOR LAND SURVEYOR



DEPUTY COUNTY SURVEYOR'S STATEMENT:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS 01 DAY OF FEBRUARY, 2021.

WADE WEAVER, PLS. DEPUTY COUNTY SURVEYOR

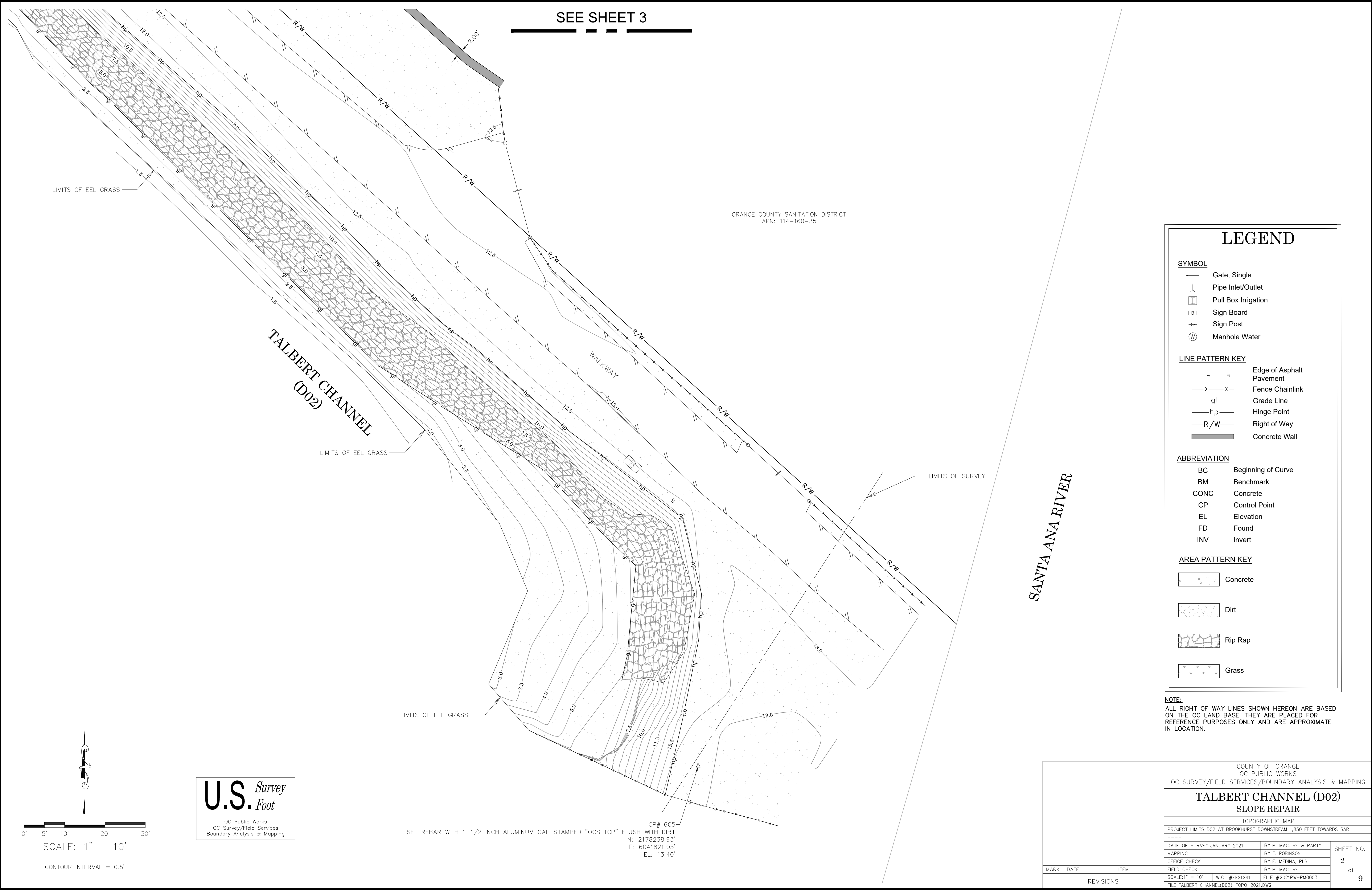


U.S. Survey
Foot

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

TOPOGRAPHIC MAPPING PROJECT

COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
TALBERT CHANNEL (D02) SLOPE REPAIR			
TITLE SHEET			
PROJECT LIMITS: D02 AT BROOKHURST DOWNSTREAM 1,850 FEET TOWARDS SAR			
DATE OF SURVEY: JANUARY 2021			
BY: P. MAGUIRE & PARTY			
MAPPING			
BY: T. ROBINSON			
OFFICE CHECK			
BY: E. MEDINA, PLS.			
FIELD CHECK			
BY: P. MAGUIRE			
SCALE: 1"=130'			
W.O. #EF21241			
FILE #2021PW-PW0003			
FILE: TALBERT_CHANNEL(D02)_TOPG_2021.DWG			
MARK	DATE	ITEM	SHEET NO.
REVISIONS			1 of 9



SEE SHEET 3

ORANGE COUNTY SANITATION DISTRICT
APN: 114-160-35

LEGEND

SYMBOL

- Gate, Single
- Pipe Inlet/Outlet
- Pull Box Irrigation
- Sign Board
- Sign Post
- Manhole Water

LINE PATTERN KEY

- Edge of Asphalt Pavement
- Fence Chainlink
- Grade Line
- Hinge Point
- Right of Way
- Concrete Wall

ABBREVIATION

- BC Beginning of Curve
- BM Benchmark
- CONC Concrete
- CP Control Point
- EL Elevation
- FD Found
- INV Invert

AREA PATTERN KEY

- Concrete
- Dirt
- Rip Rap
- Grass

NOTE:
ALL RIGHT OF WAY LINES SHOWN HEREON ARE BASED
ON THE OC LAND BASE. THEY ARE PLACED FOR
REFERENCE PURPOSES ONLY AND ARE APPROXIMATE
IN LOCATION.

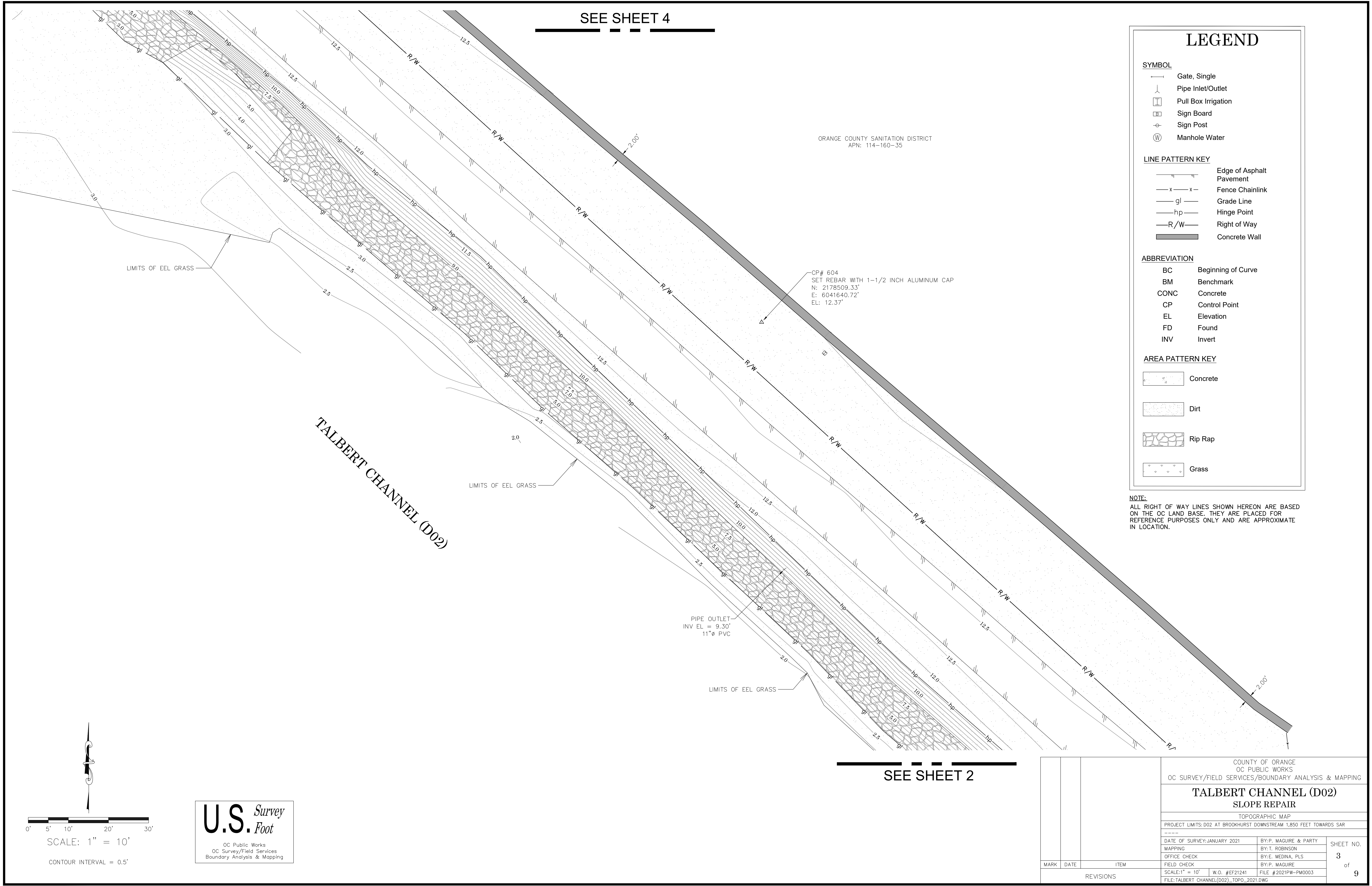
COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
TALBERT CHANNEL (D02) SLOPE REPAIR			
TOPOGRAPHIC MAP			
PROJECT LIMITS: D02 AT BROOKHURST DOWNSTREAM 1,850 FEET TOWARDS SAR			
DATE OF SURVEY: JANUARY 2021			
BY: P. MAGUIRE & PARTY			
MAPPING			
BY: T. ROBINSON			
OFFICE CHECK			
BY: E. MEDINA, PLS			
FIELD CHECK			
BY: P. MAGUIRE			
SCALE: 1" = 10'			
W.O. #EF21241			
FILE #2021PW-PW0003			
FILE: TALBERT_CHANNEL(D02)_TOPG_2021.DWG			

SHEET NO.
2
of
9

U.S. Survey
Foot

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

SET REBAR WITH 1-1/2 INCH ALUMINUM CAP STAMPED "OCS TCP" FLUSH WITH DIRT
CP# 605
N: 2178238.93'
E: 6041821.05'
EL: 13.40'



LEGEND

SYMBOL

- Gate, Single
- Pipe Inlet/Outlet
- Pull Box Irrigation
- Sign Board
- Sign Post
- Manhole Water

LINE PATTERN KEY

- Edge of Asphalt Pavement
- Fence Chainlink
- Grade Line
- Hinge Point
- Right of Way
- Concrete Wall

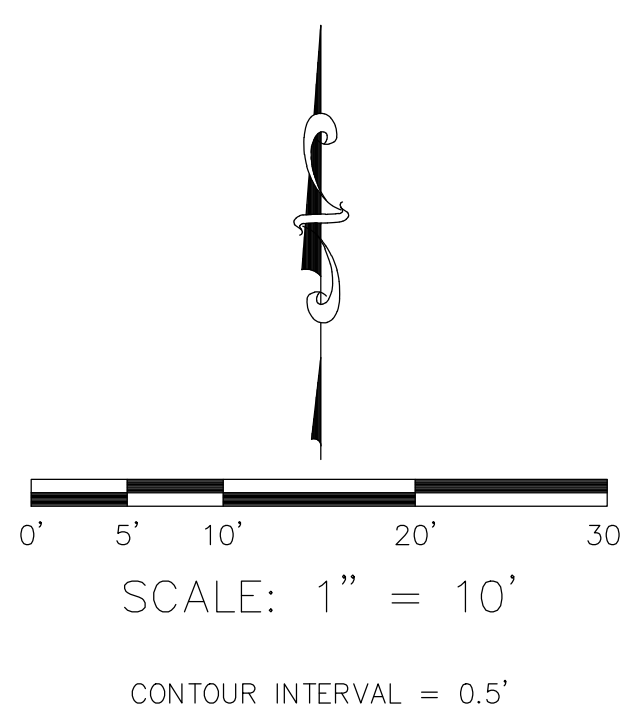
ABBREVIATION

- BC Beginning of Curve
- BM Benchmark
- CONC Concrete
- CP Control Point
- EL Elevation
- FD Found
- INV Invert

AREA PATTERN KEY

- Concrete
- Dirt
- Rip Rap
- Grass

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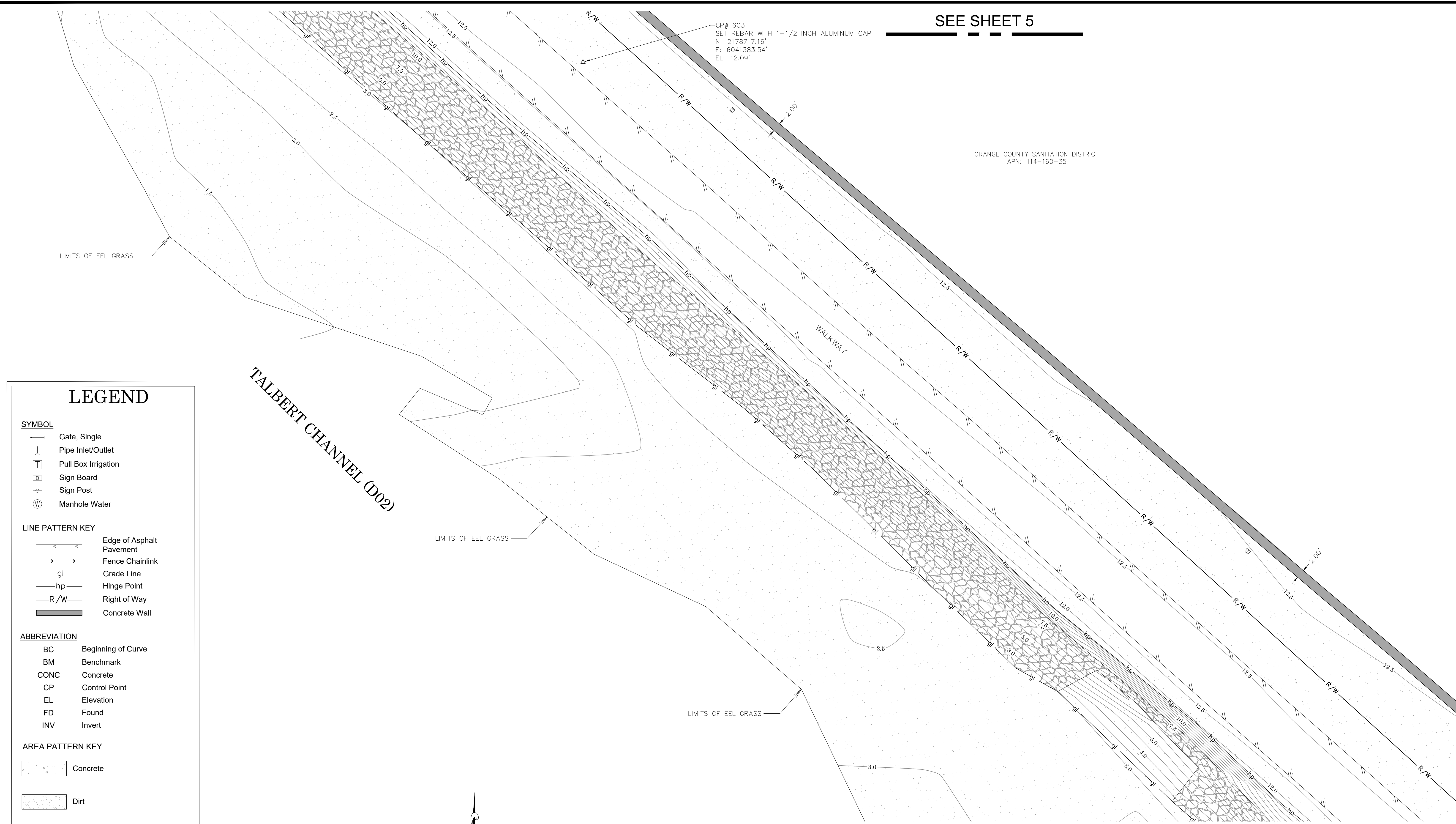
U.S. Survey Foot
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SEE SHEET 2

SEE SHEET 4

		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
		TALBERT CHANNEL (D02) SLOPE REPAIR				
		TOPOGRAPHIC MAP				
		PROJECT LIMITS: D02 AT BROOKHURST DOWNSTREAM 1,850 FEET TOWARDS SAR				

MARK	DATE	ITEM	DATE OF SURVEY:JANUARY 2021		BY:P. MAGUIRE & PARTY	SHEET NO. 3 of 9
			MAPPING		BY:T. ROBINSON	
			OFFICE CHECK		BY:E. MEDINA, PLS	
			FIELD CHECK		BY:P. MAGUIRE	
			SCALE:1" = 10'		W.O. #EF21241	
		FILE: TALBERT_CHANNEL(D02)_TOPG_2021.DWG				
		REVISIONS				



LEGEND

SYMBOL

- Gate, Single
- Pipe Inlet/Outlet
- Pull Box Irrigation
- Sign Board
- Sign Post
- Manhole Water

LINE PATTERN KEY

- Edge of Asphalt Pavement
- Fence Chainlink
- Grade Line
- Hinge Point
- Right of Way
- Concrete Wall

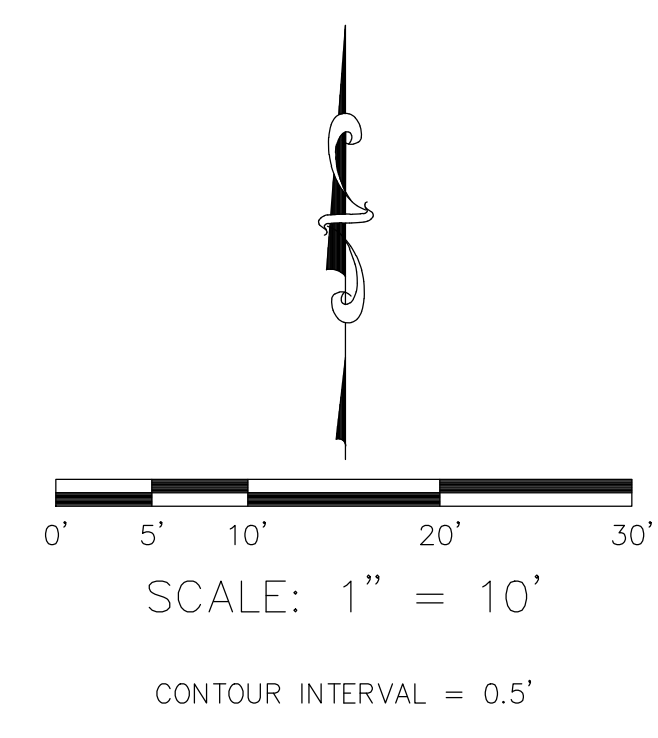
ABBREVIATION

- BC Beginning of Curve
- BM Benchmark
- CONC Concrete
- CP Control Point
- EL Elevation
- FD Found
- INV Invert

AREA PATTERN KEY

- Concrete
- Dirt
- Rip Rap
- Grass

NOTE:
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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		
			TALBERT CHANNEL (D02) SLOPE REPAIR		
			TOPOGRAPHIC MAP		
			PROJECT LIMITS: D02 AT BROOKHURST DOWNSTREAM 1,850 FEET TOWARDS SAR		
			DATE OF SURVEY: JANUARY 2021		
MAPPING			BY: P. MAGUIRE & PARTY		SHEET NO. 4 of 9
OFFICE CHECK			BY: T. ROBINSON		
FIELD CHECK			BY: E. MEDINA, PLS		
SCALE: 1" = 10'			BY: P. MAGUIRE		
W.O. #EF21241			FILE #2021PW-FW0003		
FILE: TALBERT_CHANNEL(D02)_TOPG_2021.DWG					
MARK	DATE	ITEM	REVISIONS		

SEE SHEET 6

ORANGE COUNTY SANITATION DISTRICT
APN: 114-160-35

LEGEND

SYMBOL

- Gate, Single
- Pipe Inlet/Outlet
- Pull Box Irrigation
- Sign Board
- Sign Post
- Manhole Water

LINE PATTERN KEY

- Edge of Asphalt Pavement
- Fence Chainlink
- Grade Line
- Hinge Point
- Right of Way
- Concrete Wall

ABBREVIATION

- BC Beginning of Curve
- BM Benchmark
- CONC Concrete
- CP Control Point
- EL Elevation
- FD Found
- INV Invert

AREA PATTERN KEY

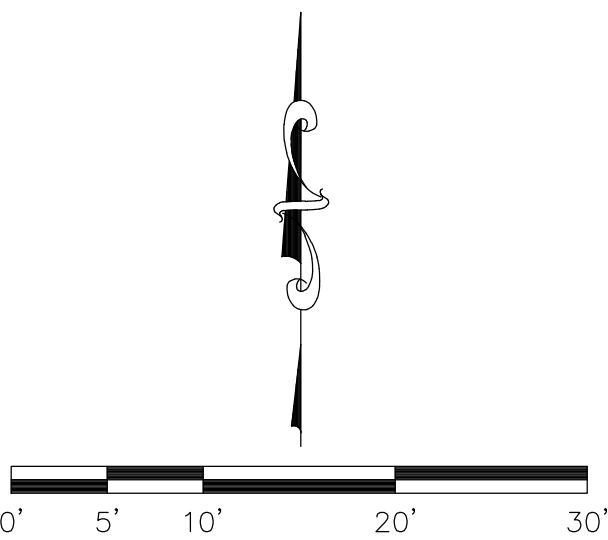
- Concrete
- Dirt
- Rip Rap
- Grass

NOTE:
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TALBERT CHANNEL (D02)

WALKWAY

SEE SHEET 4



SCALE: 1" = 10'

CONTOUR INTERVAL = 0.5'

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

TALBERT CHANNEL (D02)
SLOPE REPAIR

TOPOGRAPHIC MAP

PROJECT LIMITS: D02 AT BROOKHURST DOWNSTREAM 1,850 FEET TOWARDS SAR

DATE OF SURVEY: JANUARY 2021	BY: P. MAGUIRE & PARTY
MAPPING	BY: T. ROBINSON
OFFICE CHECK	BY: E. MEDINA, PLS
FIELD CHECK	BY: P. MAGUIRE
SCALE: 1" = 10'	W.O. #EF21241
FILE: #2021PW-PW0003	FILE: TALBERT_CHANNEL(D02)_TOPG_2021.DWG

SHEET NO.
5
of
9

MARK	DATE	ITEM
REVISIONS		

SEE SHEET 7

ORANGE COUNTY SANITATION DISTRICT
APN: 114-160-35

CP# 602
SET MAG NAIL & 1-1/4 INCH WASHER STAMPED "OCS" FLUSH IN ASPHALT
N: 2179025.66'
E: 6041009.65'
EL: 12.47'

LEGEND

SYMBOL

- Gate, Single
- Pipe Inlet/Outlet
- Pull Box Irrigation
- Sign Board
- Sign Post
- Manhole Water

LINE PATTERN KEY

- Edge of Asphalt Pavement
- Fence Chainlink
- Grade Line
- Hinge Point
- Right of Way
- Concrete Wall

ABBREVIATION

- BC Beginning of Curve
- BM Benchmark
- CONC Concrete
- CP Control Point
- EL Elevation
- FD Found
- INV Invert

AREA PATTERN KEY

- Concrete
- Dirt
- Rip Rap
- Grass

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SEE SHEET 5

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

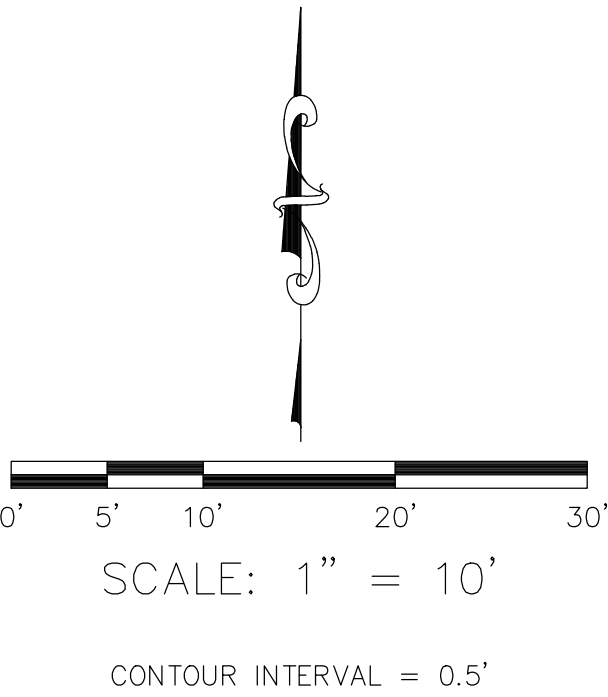
TALBERT CHANNEL (D02)
SLOPE REPAIR

TOPOGRAPHIC MAP

PROJECT LIMITS: D02 AT BROOKHURST DOWNSTREAM 1,850 FEET TOWARDS SAR

DATE OF SURVEY: JANUARY 2021	BY: P. MAGUIRE & PARTY	SHEET NO. 6 of 9
MAPPING	BY: T. ROBINSON	
OFFICE CHECK	BY: E. MEDINA, PLS	
FIELD CHECK	BY: P. MAGUIRE	
SCALE: 1" = 10'	W.O. #EF21241	FILE #2021PW-FM0003
FILE: TALBERT_CHANNEL(D02)_TOPG_2021.DWG		

MARK	DATE	ITEM
REVISIONS		



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

SEE SHEET 8

ORANGE COUNTY SANITATION DISTRICT
APN: 114-160-37

LEGEND

SYMBOL

- Gate, Single
Pipe Inlet/Outlet
Pull Box Irrigation
Sign Board
Sign Post
Manhole Water

LINE PATTERN KEY

- Edge of Asphalt Pavement
Fence Chainlink
Grade Line
Hinge Point
Right of Way
Concrete Wall

ABBREVIATION

- BC Beginning of Curve
BM Benchmark
CONC Concrete
CP Control Point
EL Elevation
FD Found
INV Invert

AREA PATTERN KEY

- Concrete
Dirt
Rip Rap
Grass

NOTE:
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TALBERT CHANNEL (D02)

LIMITS OF EEL GRASS

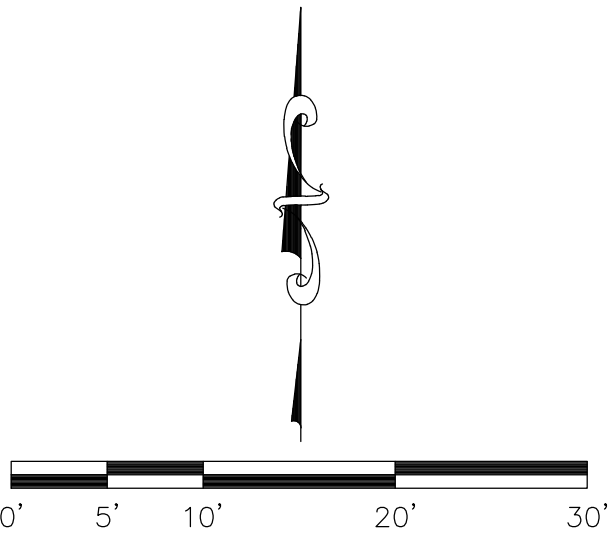
LIMITS OF EEL GRASS

LIMITS OF EEL GRASS

WALKWAY

ORANGE COUNTY SANITATION DISTRICT
APN: 114-160-35

SEE SHEET 6



SCALE: 1" = 10'
CONTOUR INTERVAL = 0.5'

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		
TALBERT CHANNEL (D02) SLOPE REPAIR		
TOPOGRAPHIC MAP		
PROJECT LIMITS: D02 AT BROOKHURST DOWNSTREAM 1,850 FEET TOWARDS SAR		

DATE OF SURVEY: JANUARY 2021	BY: P. MAGUIRE & PARTY	SHEET NO. 7 of 9
MAPPING	BY: T. ROBINSON	
OFFICE CHECK	BY: E. MEDINA, PLS	
FIELD CHECK	BY: P. MAGUIRE	
SCALE: 1" = 10'	W.O. #EF21241	FILE #2021PW-PM0003
FILE: TALBERT_CHANNEL(D02)_TOPG_2021.DWG		

MARK	DATE	ITEM
REVISIONS		

SEE SHEET 9

LEGEND

SYMBOL

- Gate, Single
Pipe Inlet/Outlet
Pull Box Irrigation
Sign Board
Sign Post
Manhole Water

LINE PATTERN KEY

- Edge of Asphalt Pavement
Fence Chainlink
Grade Line
Hinge Point
Right of Way
Concrete Wall

ABBREVIATION

- BC Beginning of Curve
BM Benchmark
CONC Concrete
CP Control Point
EL Elevation
FD Found
INV Invert

AREA PATTERN KEY

- Concrete
Dirt
Rip Rap
Grass

NOTE:
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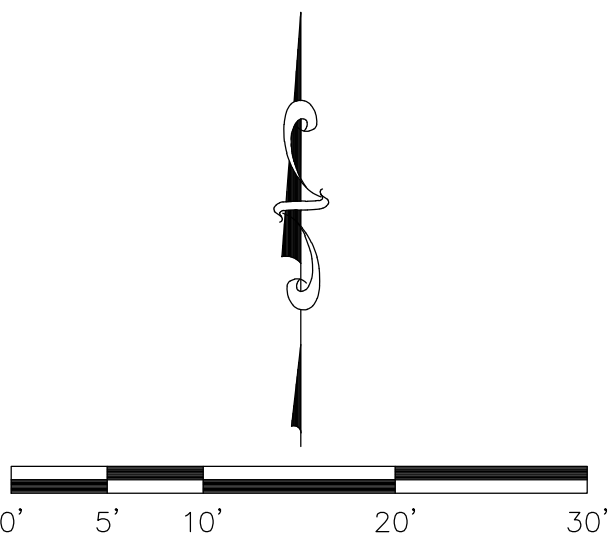
CP# 601
SET REBAR WITH 1-1/2 INCH ALUMINUM CAP
N: 2179292.35'
E: 6040747.20'
EL: 12.37'

ORANGE COUNTY SANITATION DISTRICT
APN: 114-160-43

ORANGE COUNTY SANITATION DISTRICT
APN: 114-160-37

TALBERT CHANNEL (D02)

SEE SHEET 7



SCALE: 1" = 10'

CONTOUR INTERVAL = 0.5'

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

TALBERT CHANNEL (D02)
SLOPE REPAIR

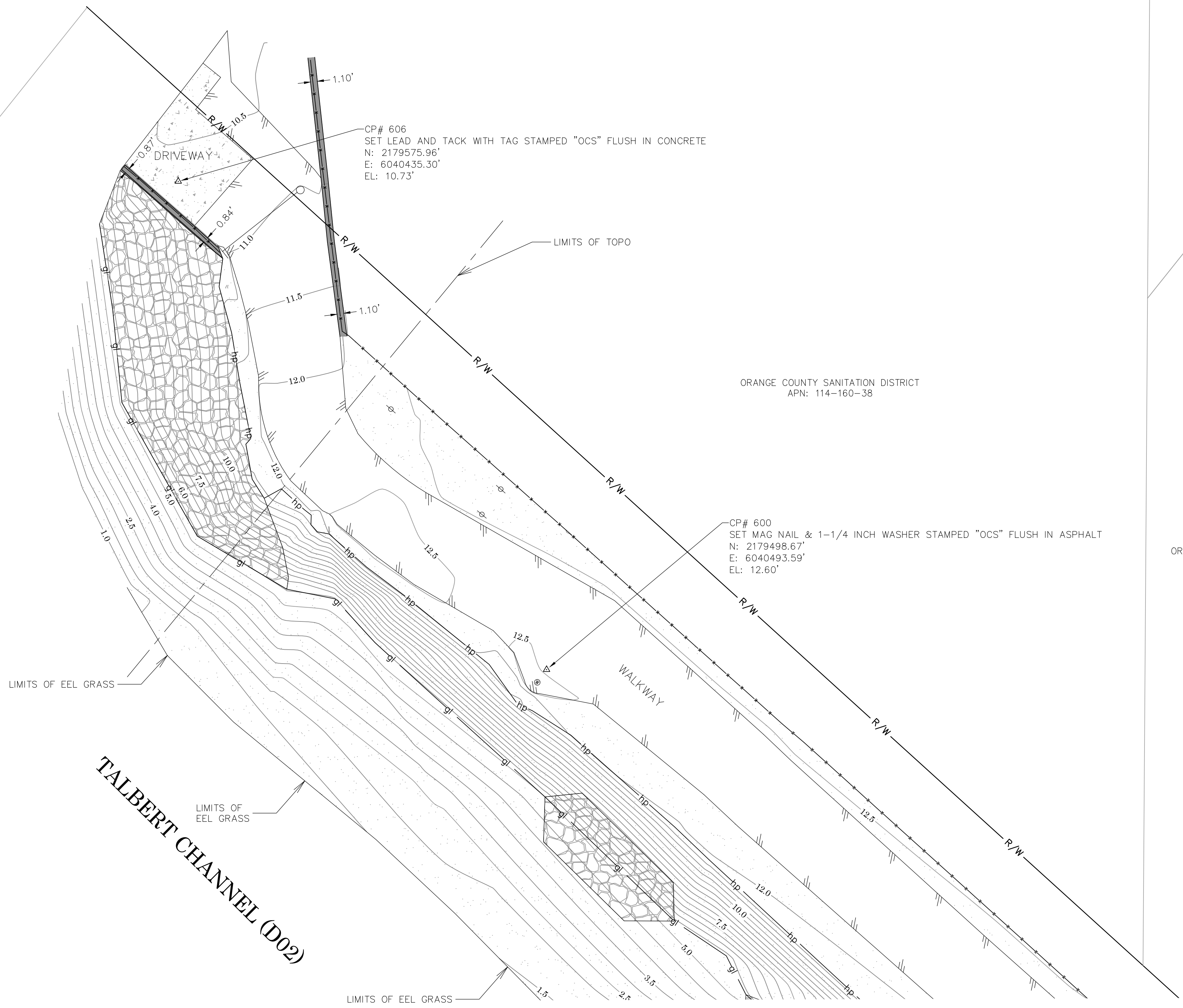
TOPOGRAPHIC MAP

PROJECT LIMITS: D02 AT BROOKHURST DOWNSTREAM 1,850 FEET TOWARDS SAR

DATE OF SURVEY: JANUARY 2021
MAPPING
OFFICE CHECK
FIELD CHECK
SCALE: 1" = 10'
W.O. #EF21241
FILE #2021PW-FW0003
FILE: TALBERT_CHANNEL(D02)_TOPG_2021.DWG

SHEET NO.
8
of
9

BROOKHURST ST



ORANGE COUNTY SANITATION DISTRICT
APN: 114-160-38

ORANGE COUNTY SANITATION DISTRICT
APN: 114-160-43

TALBERT CHANNEL (D02)

SEE SHEET 8

LEGEND

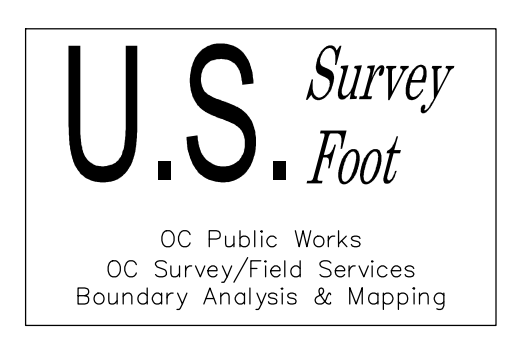
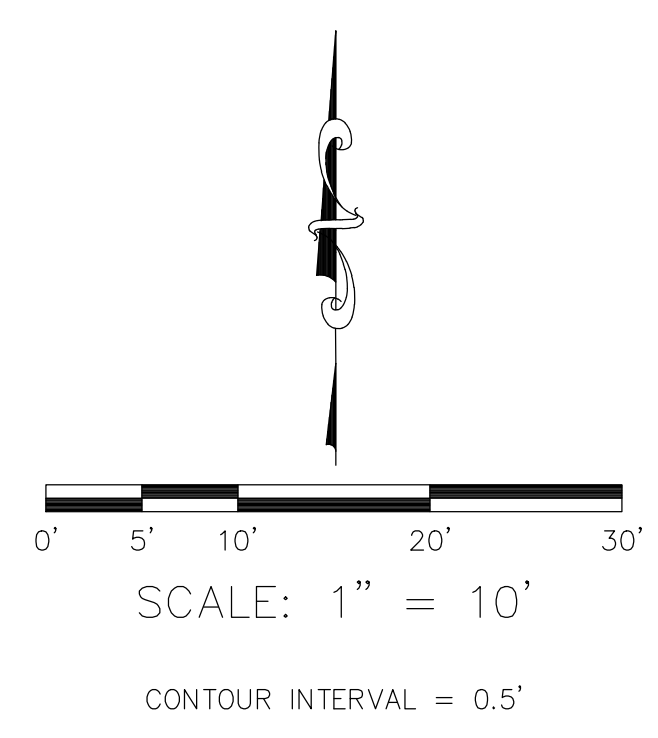
- SYMBOL**
- Gate, Single
 - Pipe Inlet/Outlet
 - Pull Box Irrigation
 - Sign Board
 - Sign Post
 - Manhole Water

- LINE PATTERN KEY**
- Edge of Asphalt Pavement
 - Fence Chainlink
 - Grade Line
 - Hinge Point
 - Right of Way
 - Concrete Wall

- ABBREVIATION**
- BC Beginning of Curve
 - BM Benchmark
 - CONC Concrete
 - CP Control Point
 - EL Elevation
 - FD Found
 - INV Invert

- AREA PATTERN KEY**
- Concrete
 - Dirt
 - Rip Rap
 - Grass

NOTE:
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			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			TALBERT CHANNEL (D02) SLOPE REPAIR		
			TOPOGRAPHIC MAP		
			PROJECT LIMITS: D02 AT BROOKHURST DOWNSTREAM 1,850 FEET TOWARDS SAR		
			DATE OF SURVEY: JANUARY 2021		
			MAPPING		
			BY: P. MAGUIRE & PARTY		SHEET NO. 9 of 9
			BY: T. ROBINSON		
			BY: E. MEDINA, PLS		
			BY: P. MAGUIRE		
			SCALE: 1" = 10' W.O. #EF21241 FILE #2021PW-FW0003		
			FILE: TALBERT_CHANNEL(D02)_TOPO_2021.DWG		
MARK	DATE	ITEM	REVISIONS		