



OC PUBLIC WORKS DEPARTMENT

SHANE SILSBY, DIRECTOR

KEVIN HILLS, COUNTY SURVEYOR

CRAIG REGIONAL PARK LAKE BASIN

FULLERTON, CA



BASIS OF BEARINGS

THE BASIS OF BEARING FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2007.00) EPOCH ADJUSTMENT, AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS GLOBAL POSITIONING ATATIONS (CGPS) CCCS AND SNHS, BEING NORTH 38°31'17" WEST AS DERIVED FROM THE COORDINATES ESTABLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC) ALONG WITH DATASHEETS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.

HORIZONTAL DATUM

COORDINATES ARE BASE ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, 2007.00 EPOCH, 1983 NORTH AMERICAN DATUM, 2007.00 O.C.S. GPS ADJUSTMENT.

ALL DISTANCES SHOWN ARE GRID, UNLESS OTHERWISE NOTED. TO OBTAIN A GROUND DISTANCE MULTIPLY A GRID DISTANCE BY 1.000005.

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

VERTICAL DATUM

O.C.S. 2D-34-76 ELEV. = 308.531' NAVD29 (O.C.S. 1976 ADJUSTMENT) DESCRIBED BY OCS 2003 - FOUND 3 3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "2D-34-76", SET IN THE TOP OF A 6 IN. BY 6 IN. CONCRETE POST. MONUMENT IS LOCATED IN THE NORTHWESTERLY CORNER OF THE INTERSECTION OF ROLLING HILLS ROAD AND ASSOCIATED ROAD, 182 FT. NORTHERLY OF THE CENTERLINE OF ROLLING HILLS, 41 FT. WESTERLY OF THE CENTERLINE OF ASSOCIATED AND IN THE SOUTHEASTERLY CORNER OF A PARK. MONUMENT IS SET LEVEL WITH THE SIDEWALK

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.	DESCRIPTION
SHEET #1	TITLE SHEET
SHEET #2	INDEX SHEET
SHEET #3-7	TOPOGRAPHIC MAP
SHEET #8-9	SECTIONS

BASIS OF STATIONING

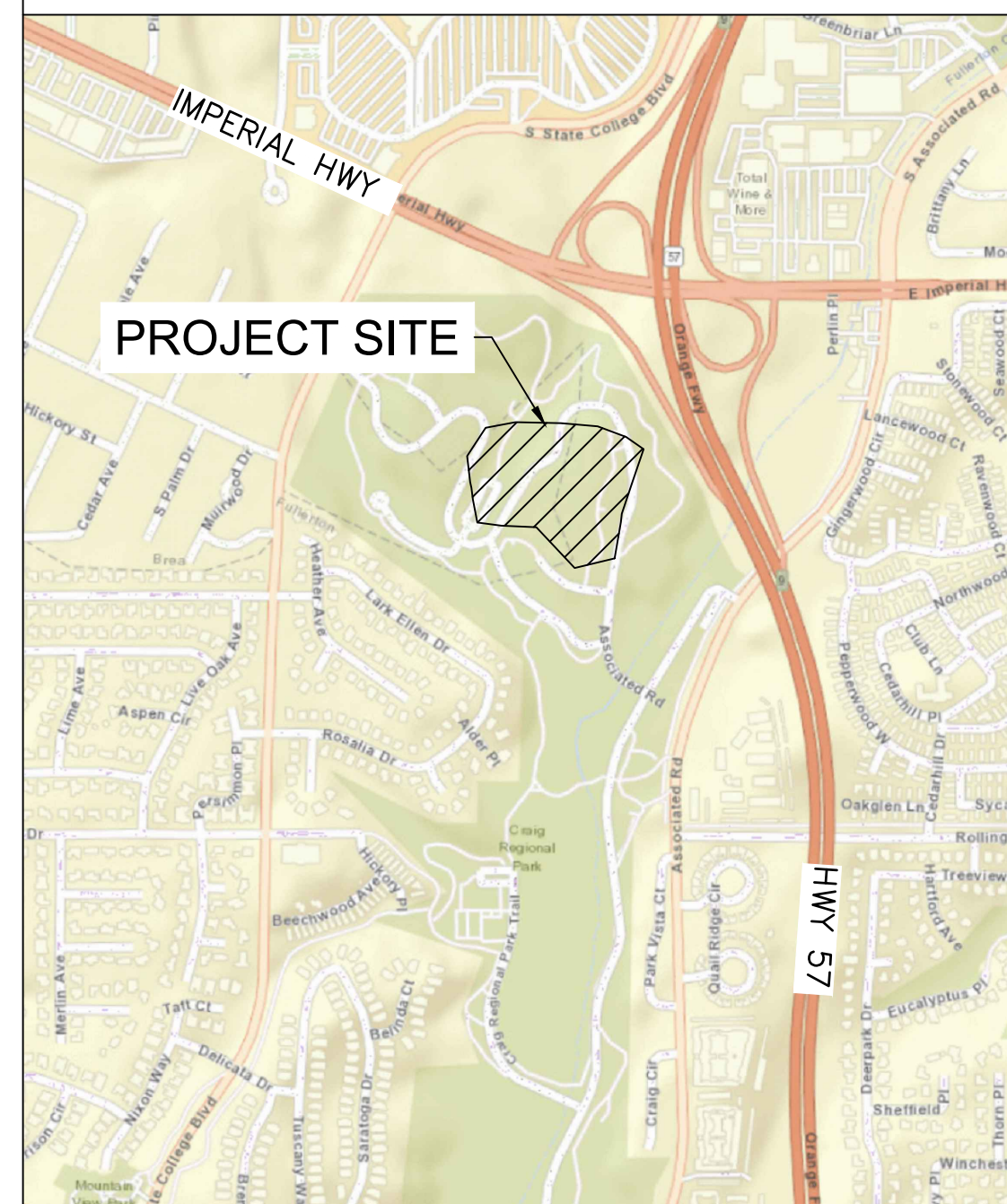
STATIONING BASED ON RECORD AS-BUILT PLAN, CRAIG REGIONAL PARK LAKE AND LOFTUS BASIN DREDGING GRADING PLAN DATED 01/21/2000, HOLDING THE SURVEY LINE BETWEEN FOUND CONTROL POINTS 701 "CRAIG 2" AND 703 "CRAIG 3".

PURPOSE OF SURVEY

THE PURPOSE OF THE SURVEY WAS TO PERFORM A TOPOGRAPHIC/HYDROGRAPHIC SURVEY OF THE EXISTING CONDITIONS OF THE CRAIG LAKE BASIN IN ORDER TO PROVIDE VOLUME QUANTITIES.

REQUESTOR: SUSAN BRODEUR, OC PARKS

LOCATION MAP



FOUND CGPS SNHS
N: 2285158.78'
E: 6052465.68'
THIS IS A CONTINUOUS GPS STATION (CGPS) AND IS PART OF THE CALIFORNIA SPATIAL REFERENCE NETWORK (CSRN), FROM WHICH DATA CAN BE DOWNLOADED HERE:
[HTTP://SOPACCSRC.UCSD.EDU/](http://SOPACCSRC.UCSD.EDU/).

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 15 DAY OF MAY, 2019.

ELLIOTT MEDINA SENIOR LAND SURVEYOR



COUNTY SURVEYOR'S STATEMENT:

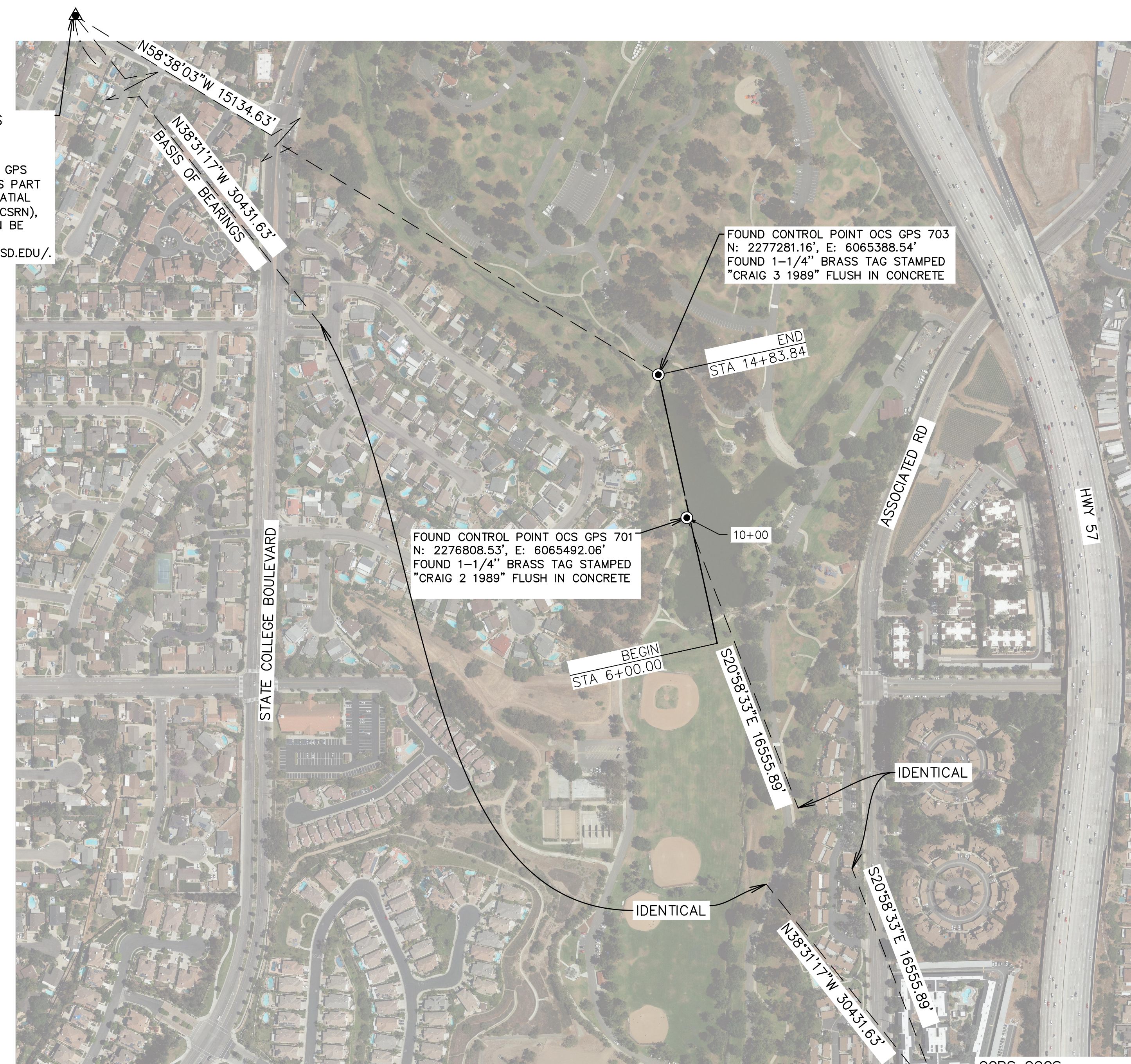
THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS 15 DAY OF MAY, 2019.

KEVIN HILLS COUNTY SURVEYOR



U.S. Survey Foot

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



TOPOGRAPHIC MAP

CGPS CCCS
N: 2261349.77'
E: 6071418.65'
THIS IS A CONTINUOUS GPS STATION (CGPS) AND IS PART OF THE CALIFORNIA SPATIAL REFERENCE NETWORK (CSRN), FROM WHICH DATA CAN BE DOWNLOADED HERE:
[HTTP://SOPACCSRC.UCSD.EDU/](http://SOPACCSRC.UCSD.EDU/).

NTS

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
CRAIG REGIONAL PARK LAKE RESTORATION							
TITLE SHEET							
LOCATION: CITY OF FULLERTON, CA							
DATE OF SURVEY: 04/22/2019				BY: S. STROM & PARTY		SHEET NO. 1 of 9	
TOPOGRAPHIC MAPPING				BY: H. AFTIM			
OFFICE CHECK				BY: E. MEDINA, PLS			
FIELD CHECK				BY: R. MAGIAS, PLS			
MARK	DATE	ITEM	REVISIONS				
			SCALE: NTS	W.O. # EC41774			
			CRAIG REGIONAL PARK_TOPOGRAPHICMAP_2019.dwg				

SHEET INDEX



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			CRAIG REGIONAL PARK LAKE RESTORATION				
			TITLE SHEET				
			LOCATION: CITY OF FULLERTON, CA				
MARK	DATE	ITEM	DATE OF SURVEY: 04/22/2019		BY: S. STROM & PARTY		SHEET NO. 2 of 9
			TOPOGRAPHIC MAPPING		BY: H. AFTIM		
			OFFICE CHECK		BY: E. MEDINA, PLS		
			FIELD CHECK		BY: R. MACIAS, PLS		
REVISIONS			SCALE: NTS		W.O. # EC41774		
			CRAIG REGIONAL PARK_TOPOGRAPHICMAP_2019.dwg				

SEE SHEET 4

MATCH LINE

WATER OXYGENATOR

SURVEY CONTROL LINE (CL)
PER COUNTY SURVEY DATED 1995

SEE SECTION PROFILE SHEET 8 OF 9 STA 8+00

DIRT BOTTOM

SEE SECTION PROFILE SHEET 8 OF 9 STA 7+00

CONC. WALKWAY

18" CMP
OUTLET INV=272.53'

CONTOUR LINES
REPRESENT THE SURFACE
UNDERNEATH THE BRIDGE

18" CMP
OUTLET INV=275.46'

EXISTING BUILDING

LEGEND

LINE PATTERN KEY

- Edge of Asphalt Pavement
- Edge of Concrete
- Guard Rail
- Flowline
- Building Outline
- Pipe Exposed
- Retaining Wall - Conc.
- Block Wall
- Hinge Point Concrete
- Fence Chain Link

AREA PATTERN KEY

- Concrete
- Grass
- Rip Rap

SYMBOL

- Transpose Water Valve
- Irrigation Valve
- Sewer Clean Out
- Pull Box Electrical
- Manhole Sewer
- Sign Post
- Post
- Sprinkler
- Control Box Irrigation
- Pipe Outlet / Inlet
- Vault, Undefined
- Valve, Undefined
- Tree
- Manhole, Undefined

CONTOUR INTERVALS

CONTOUR INTERVAL = 1'

SCALE 1"=10'



GRAPHIC SCALE

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

CRAIG REGIONAL PARK LAKE RESTORATION

TOPOGRAPHIC MAP

LOCATION: CITY OF FULLERTON, CA

DATE OF SURVEY: 04/22/2019

TOPOGRAPHIC MAPPING

OFFICE CHECK

FIELD CHECK

SCALE: 1" = 10'

CRAIG REGIONAL PARK_TOPOGRAPHICMAP_2019.dwg

BY: S. STROM & PARTY

BY: H. AFTM

BY: E. MEDINA, PLS

BY: R. MAGIAS, PLS

W.O. # EC41774

REVISIONS

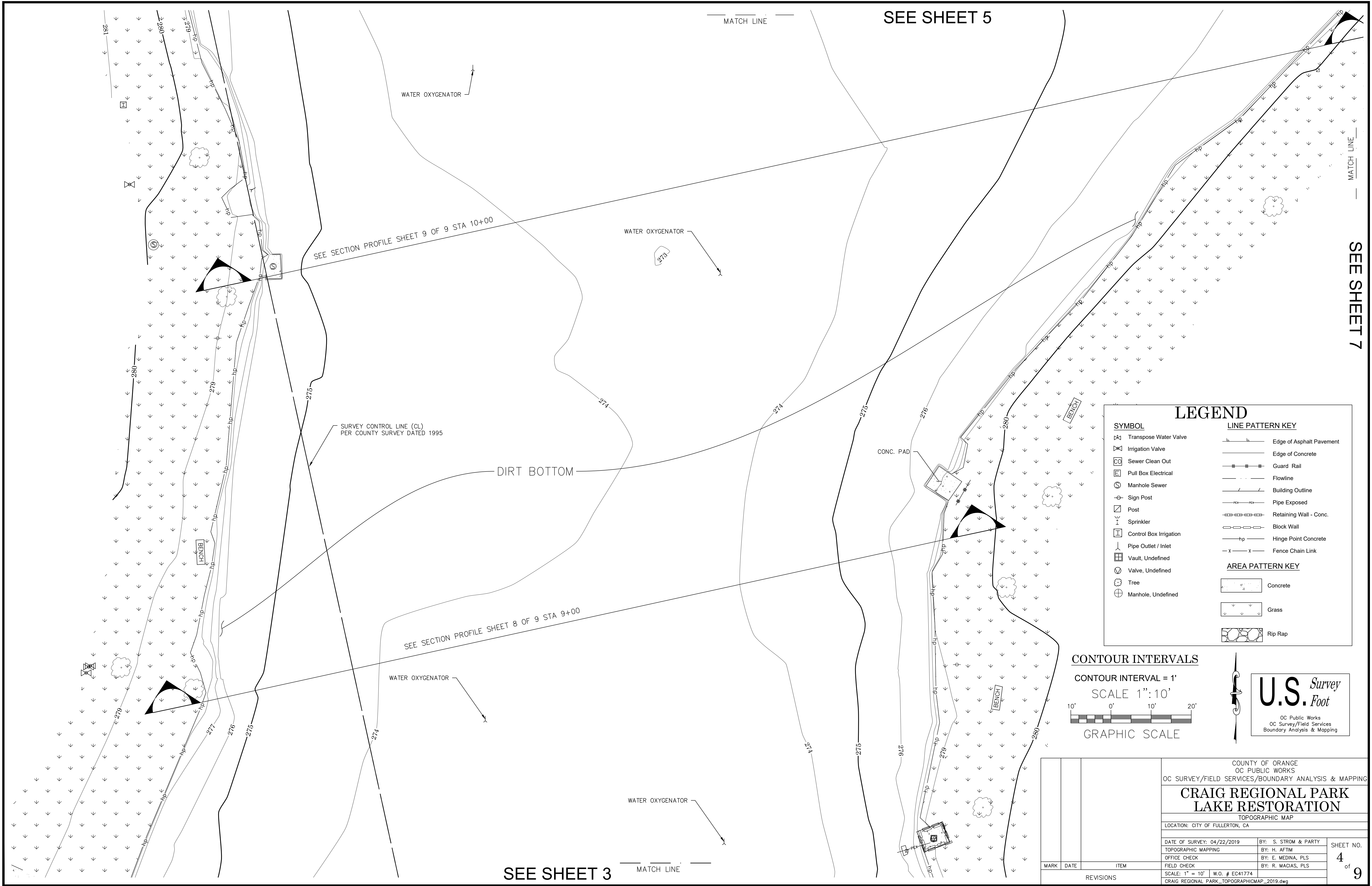
MARK DATE ITEM

SHEET NO.

3

of

9



LEGEND

SYMBOL

- ✕ Transpose Water Valve
- ✕ Irrigation Valve
- ☐ Sewer Clean Out
- ☐ Pull Box Electrical
- ⊙ Manhole Sewer
- ⊙ Sign Post
- ⊙ Post
- ⊙ Sprinkler
- ⊙ Control Box Irrigation
- ⊙ Pipe Outlet / Inlet
- ⊙ Vault, Undefined
- ⊙ Valve, Undefined
- ⊙ Tree
- ⊙ Manhole, Undefined

LINE PATTERN KEY

- Edge of Asphalt Pavement
- Edge of Concrete
- Guard Rail
- Flowline
- Building Outline
- Pipe Exposed
- Retaining Wall - Conc.
- Block Wall
- Hinge Point Concrete
- Fence Chain Link

AREA PATTERN KEY

- Concrete
- Grass
- Rip Rap

CONTOUR INTERVALS

CONTOUR INTERVAL = 1'

SCALE 1"=10'

GRAPHIC SCALE

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				
		CRAIG REGIONAL PARK LAKE RESTORATION				
		TOPOGRAPHIC MAP				
		LOCATION: CITY OF FULLERTON, CA				
		DATE OF SURVEY: 04/22/2019			BY: S. STROM & PARTY	
		TOPOGRAPHIC MAPPING			BY: H. AFTIM	
		OFFICE CHECK			BY: E. MEDINA, PLS	
		FIELD CHECK			BY: R. MAGIAS, PLS	
		SCALE: 1" = 10' W.O. # EC41774			SHEET NO. 4 of 9	
		CRAIG REGIONAL PARK_TOPOGRAPHICMAP_2019.dwg				
MARK	DATE	ITEM				
REVISIONS						

MATCH LINE
SEE SHEET 6

MATCH LINE
SEE SHEET 7

SYMBOL

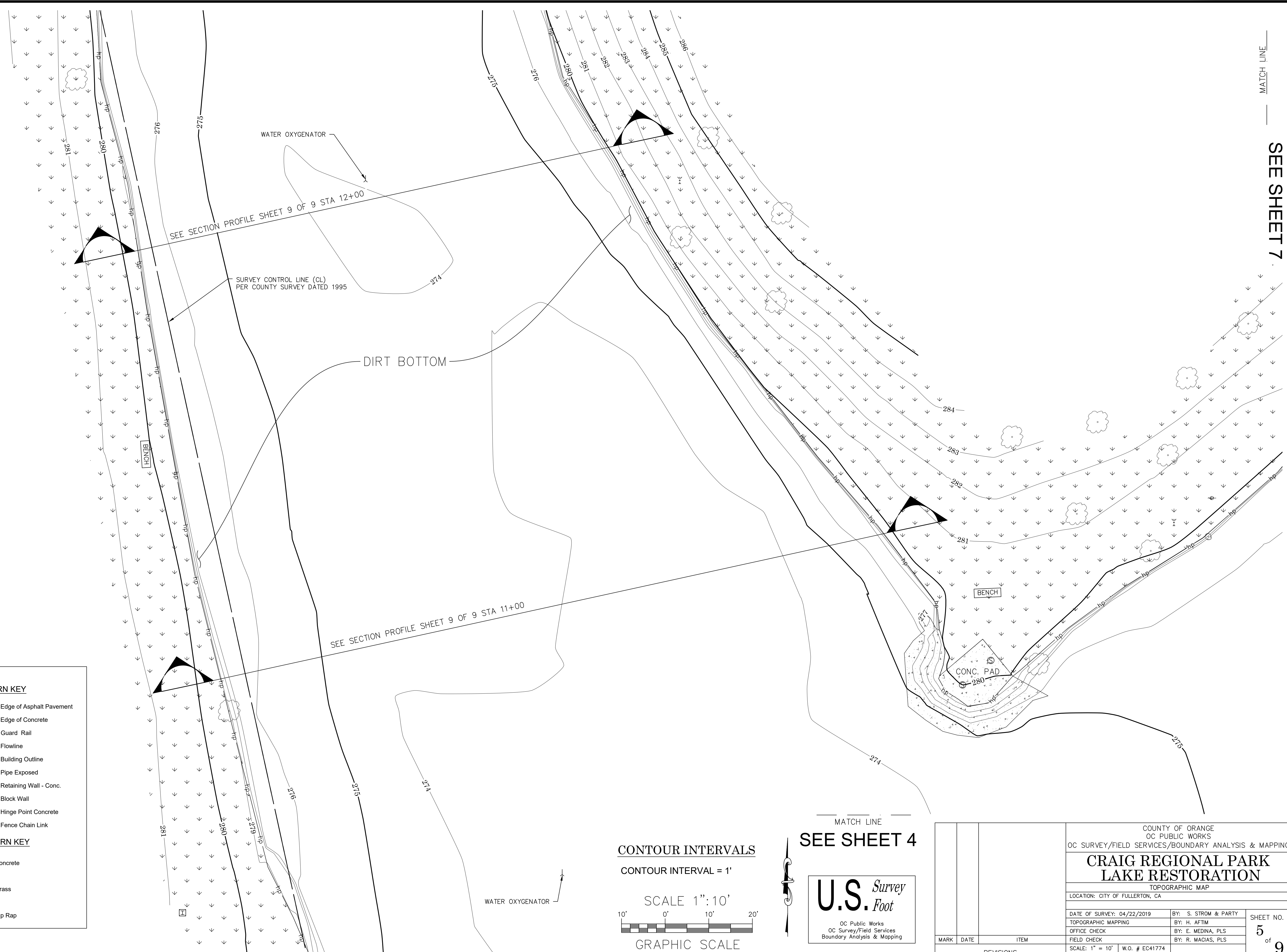
- ✕ Transpose Water Valve
- ✕ Irrigation Valve
- ☐ Sewer Clean Out
- ☐ Pull Box Electrical
- ⊙ Manhole Sewer
- ⊙ Sign Post
- ⊙ Post
- ⊙ Sprinkler
- ⊙ Control Box Irrigation
- ⊙ Pipe Outlet / Inlet
- ⊙ Vault, Undefined
- ⊙ Valve, Undefined
- ⊙ Tree
- ⊙ Manhole, Undefined

LINE PATTERN KEY

- Edge of Asphalt Pavement
- Edge of Concrete
- Guard Rail
- Flowline
- Building Outline
- Pipe Exposed
- Retaining Wall - Conc.
- Block Wall
- Hinge Point Concrete
- Fence Chain Link

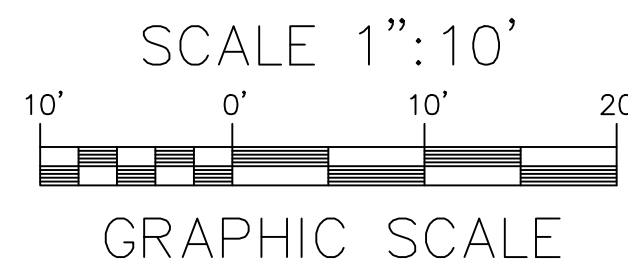
AREA PATTERN KEY

- Concrete
- Grass
- Rip Rap



CONTOUR INTERVALS

CONTOUR INTERVAL = 1'



MATCH LINE
SEE SHEET 4

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			
		CRAIG REGIONAL PARK LAKE RESTORATION			
		TOPOGRAPHIC MAP			
		LOCATION: CITY OF FULLERTON, CA			
		DATE OF SURVEY: 04/22/2019		BY: S. STROM & PARTY	
		TOPOGRAPHIC MAPPING		BY: H. AFTIM	
		OFFICE CHECK		BY: E. MEDINA, PLS	
		FIELD CHECK		BY: R. MACIAS, PLS	
		SCALE: 1" = 10'		W.O. # EC41774	
		CRAIG REGIONAL PARK_TOPOGRAPHICMAP_2019.dwg			
MARK	DATE	ITEM		SHEET NO. 5 of 9	
REVISIONS					

SYMBOL

Transpose Water Valve
 Irrigation Valve
 Sewer Clean Out
 Pull Box Electrical
 Manhole Sewer
 Sign Post
 Post
 Sprinkler
 Control Box Irrigation
 Pipe Outlet / Inlet
 Vault, Undefined
 Valve, Undefined
 Tree
 Manhole, Undefined

LINE PATTERN KEY

Edge of Asphalt Pavement
 Edge of Concrete
 Guard Rail
 Flowline
 Building Outline
 Pipe Exposed
 Retaining Wall - Conc.
 Block Wall
 Hinge Point Concrete
 Fence Chain Link

AREA PATTERN KEY

Concrete
 Grass
 Rip Rap

SEE SHEET 5

MATCH LINE

LEGEND

18" CONCRETE PIPE
INTLET INV=277.69'

18" CONCRETE PIPE
INTLET INV=277.71'

18" CONCRETE PIPE
OUTLET INV=277.38'

18" CONCRETE PIPE
OUTLET INV=277.32'

CONC. WALKWAY

SEE SECTION PROFILE SHEET 9 OF 9 STA 14+00

SURVEY CONTROL LINE (CL)
PER COUNTY SURVEY DATED 1995

DIRT BOTTOM

SEE SECTION PROFILE SHEET 9 OF 9 STA 13+00

CONTOUR INTERVALS

CONTOUR INTERVAL = 1'

SCALE 1"=10'

GRAPHIC SCALE

COUNTY OF ORANGE
OC PUBLIC WORKS

OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING

CRAIG REGIONAL PARK
LAKE RESTORATION

TOPOGRAPHIC MAP

LOCATION: CITY OF FULLERTON, CA

DATE OF SURVEY: 04/22/2019
TOPOGRAPHIC MAPPING
OFFICE CHECK
FIELD CHECK
SCALE: 1" = 10' W.O. # EC41774
CRAIG REGIONAL PARK_TOPOGRAPHICMAP_2019.dwg

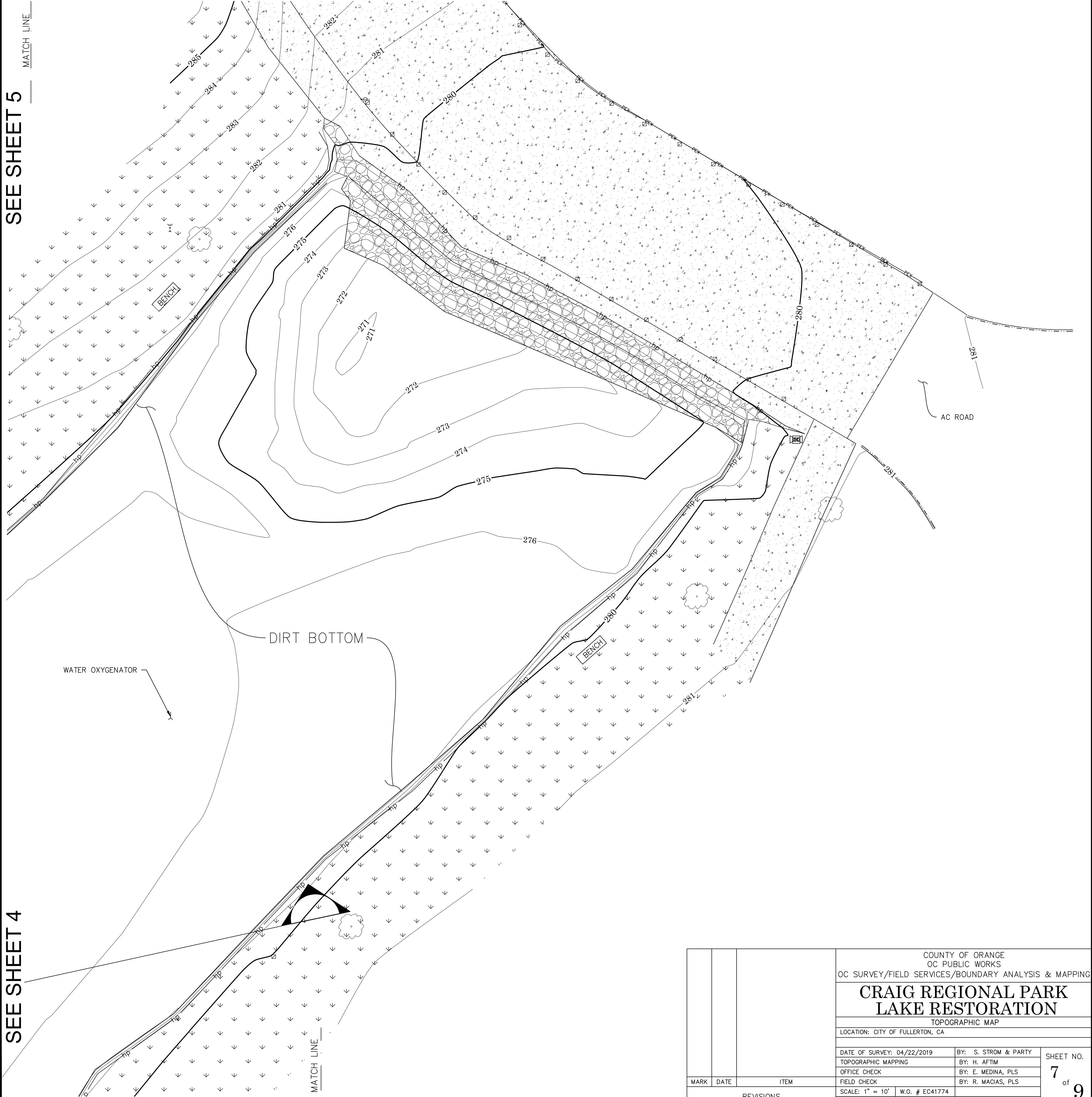
BY: S. STROM & PARTY
BY: H. AFTIM
BY: E. MEDINA, PLS
BY: R. MAGIAS, PLS

REVISIONS

SHEET NO.
6
of
9

SEE SHEET 4

SEE SHEET 5



LEGEND

SYMBOL

- Transpose Water Valve
- Irrigation Valve
- Sewer Clean Out
- Pull Box Electrical
- Manhole Sewer
- Sign Post
- Post
- Sprinkler
- Control Box Irrigation
- Pipe Outlet / Inlet
- Vault, Undefined
- Valve, Undefined
- Tree
- Manhole, Undefined

LINE PATTERN KEY

- Edge of Asphalt Pavement
- Edge of Concrete
- Guard Rail
- Flowline
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- Retaining Wall - Conc.
- Block Wall
- Hinge Point Concrete
- Fence Chain Link

AREA PATTERN KEY

- Concrete
- Grass
- Rip Rap

U.S. Survey
Foot

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

CONTOUR INTERVALS

CONTOUR INTERVAL = 1'

SCALE 1"=10'

GRAPHIC SCALE

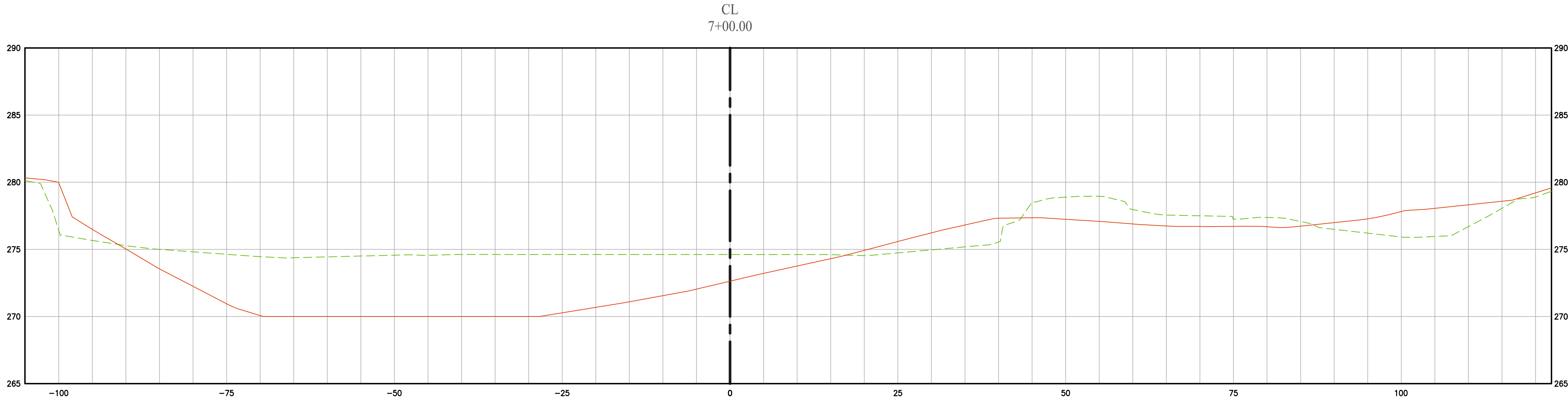
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			CRAIG REGIONAL PARK LAKE RESTORATION				
			TOPOGRAPHIC MAP				
			LOCATION: CITY OF FULLERTON, CA				
MARK	DATE	ITEM	DATE OF SURVEY: 04/22/2019		BY: S. STROM & PARTY		SHEET NO. 7 of 9
			TOPOGRAPHIC MAPPING		BY: H. AFTIM		
			OFFICE CHECK		BY: E. MEDINA, PLS		
			FIELD CHECK		BY: R. MACIAS, PLS		
			REVISIONS				
			SCALE: 1" = 10' W.O. # EC41774				9
			CRAIG REGIONAL PARK_TOPOGRAPHICMAP_2019.dwg				

LEGEND

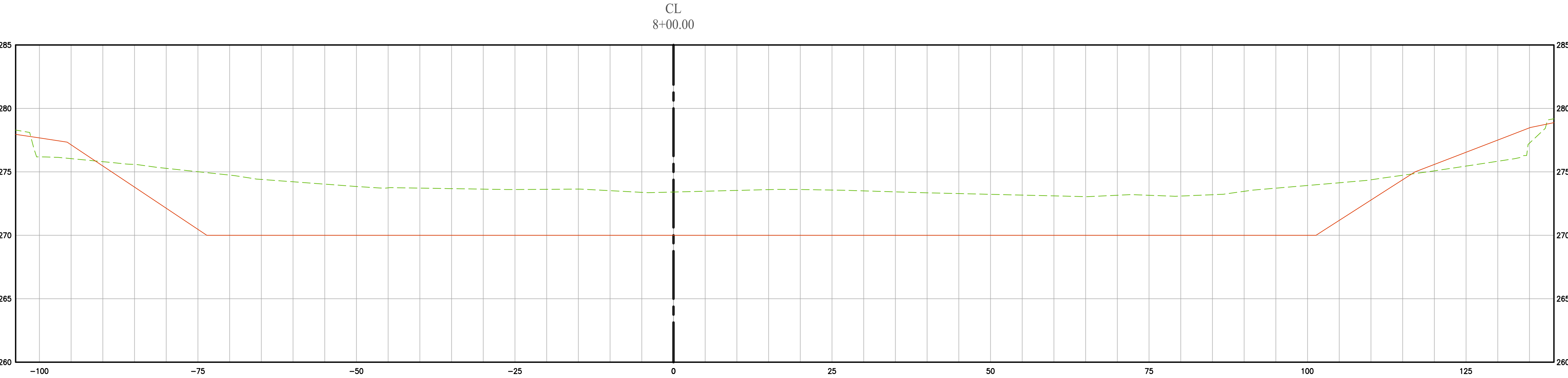
2019 Survey
As-Built Plan
Survey Control Line (CL)

NOTES:

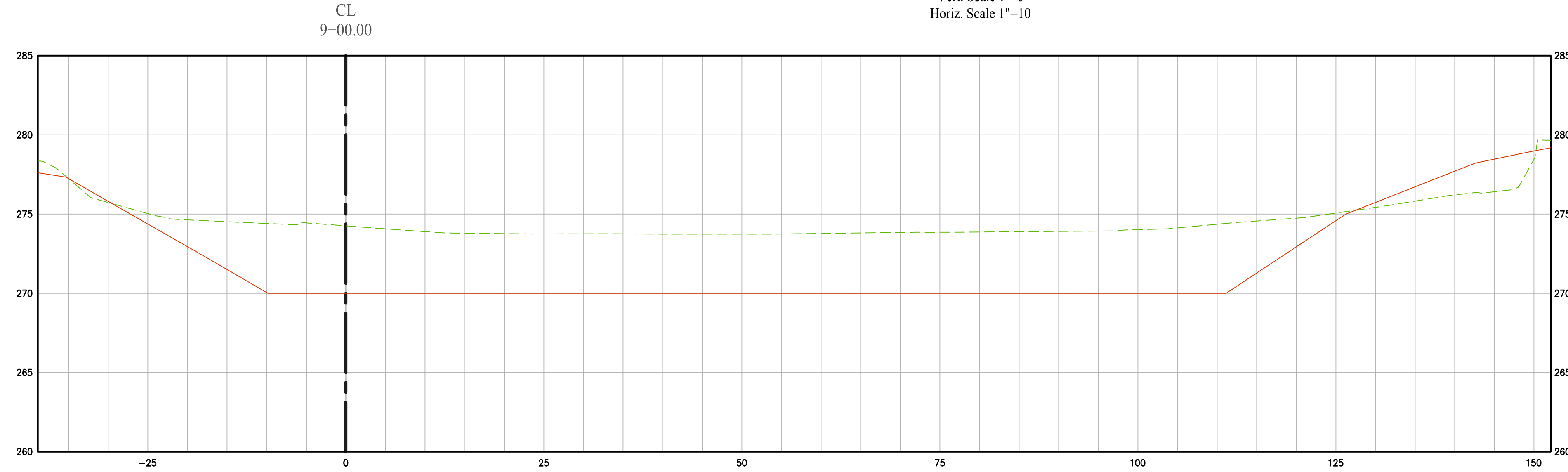
- 1. AS BUILT BASIN SURFACE WAS ESTABLISHED FROM THE RECORD AS-BUILT PLAN "CRAIG REGIONAL PARK LAKE AND LOFTUS BASIN DREDING, MAY 1996 DELTA REVISION 01, DATED 01-21-2000.
- 2. THE SECTION PROFILE LINES ARE PERPENDICULAR TO THE SURVEY CONTROL LINE.



Vert. Scale 1"=5
Horiz. Scale 1"=10



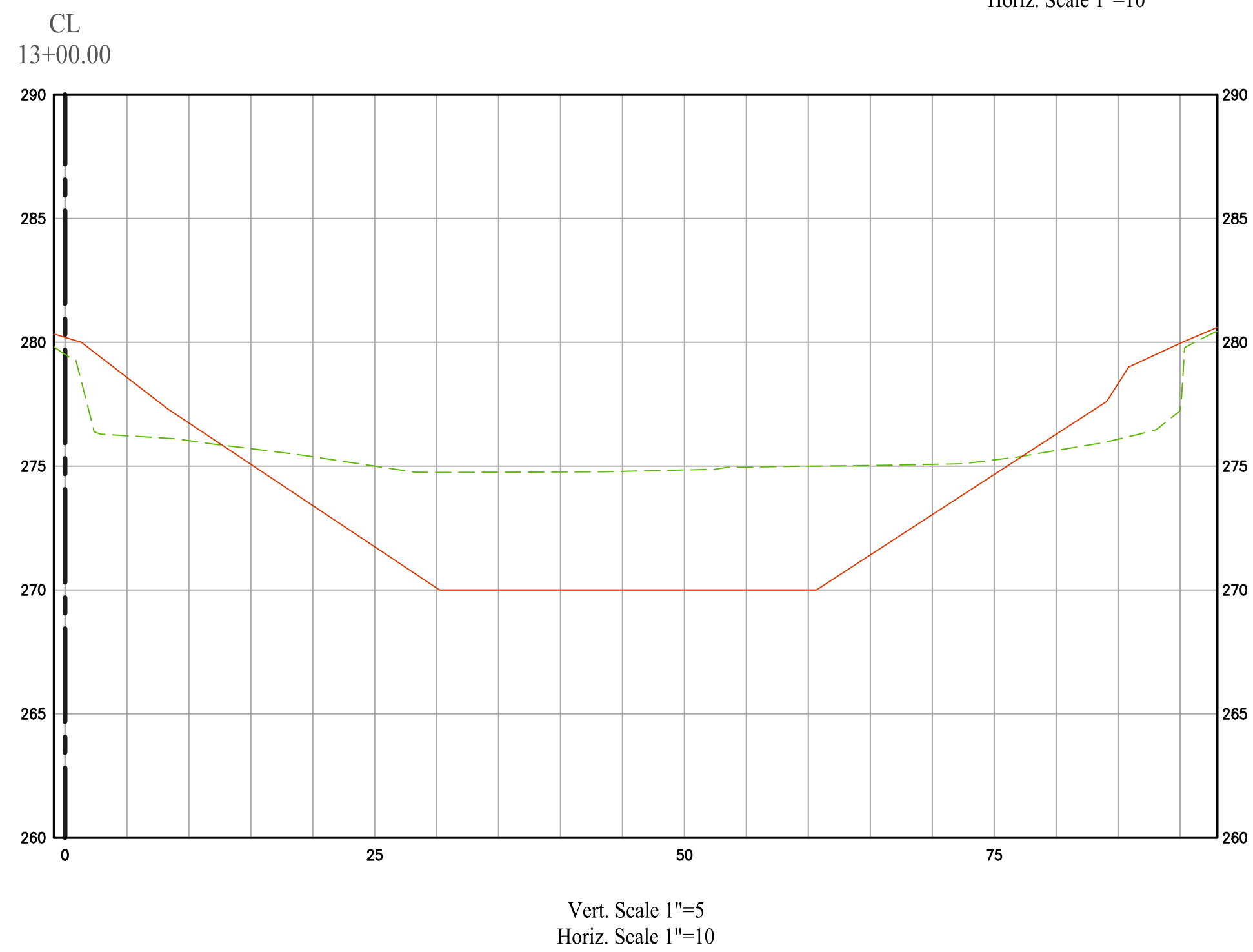
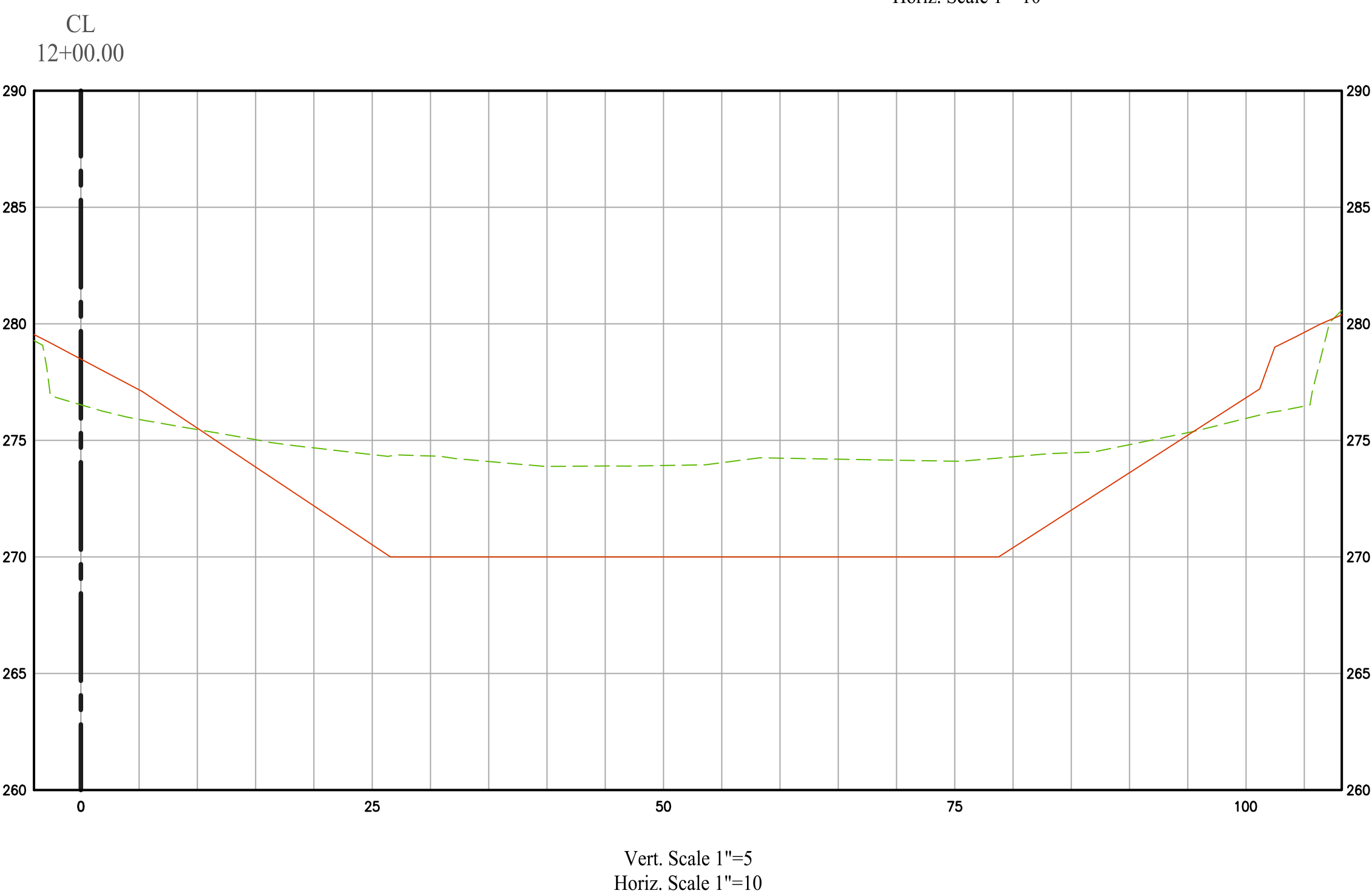
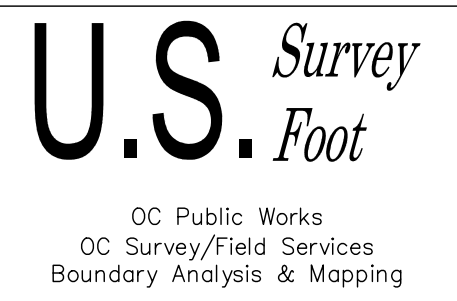
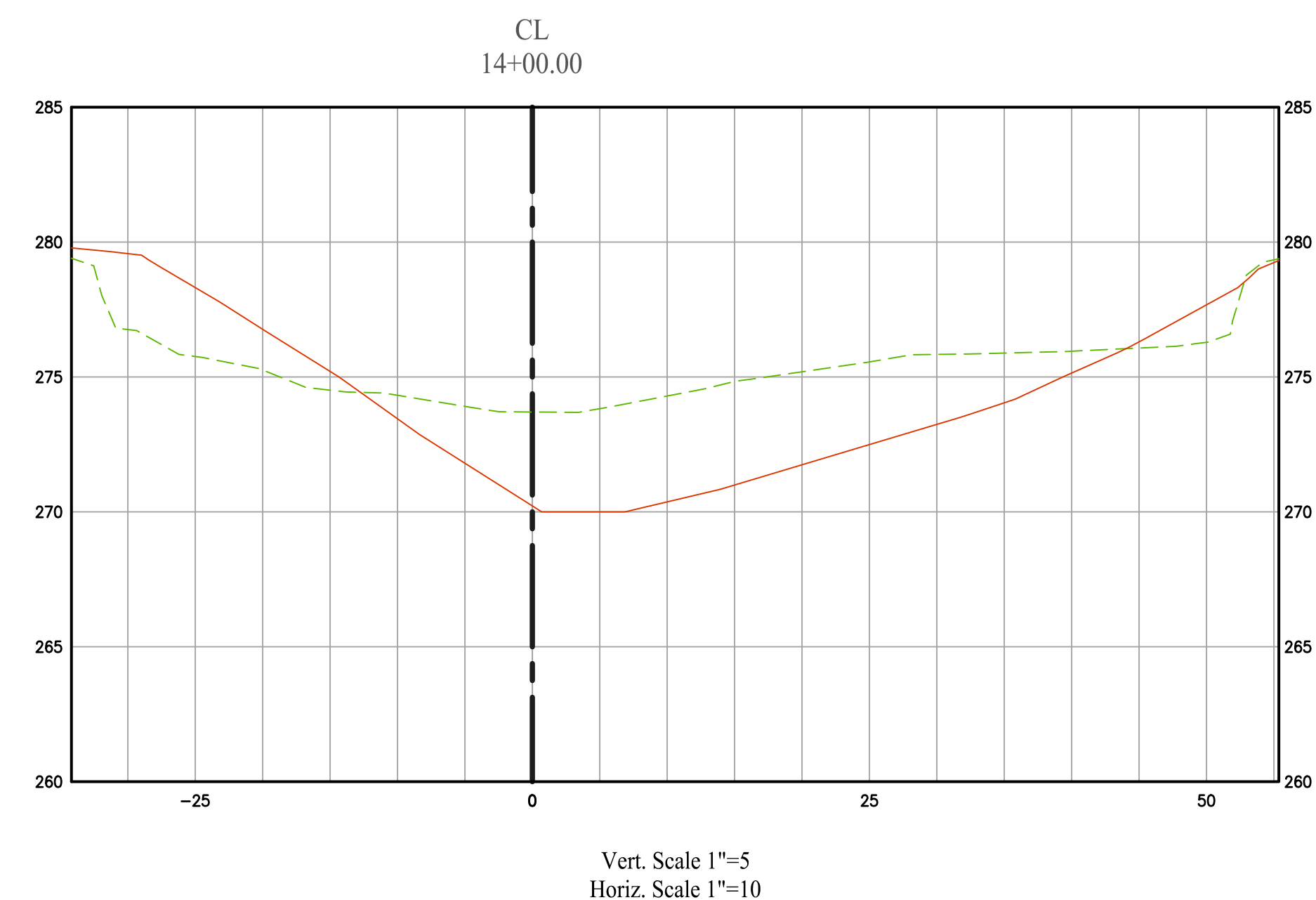
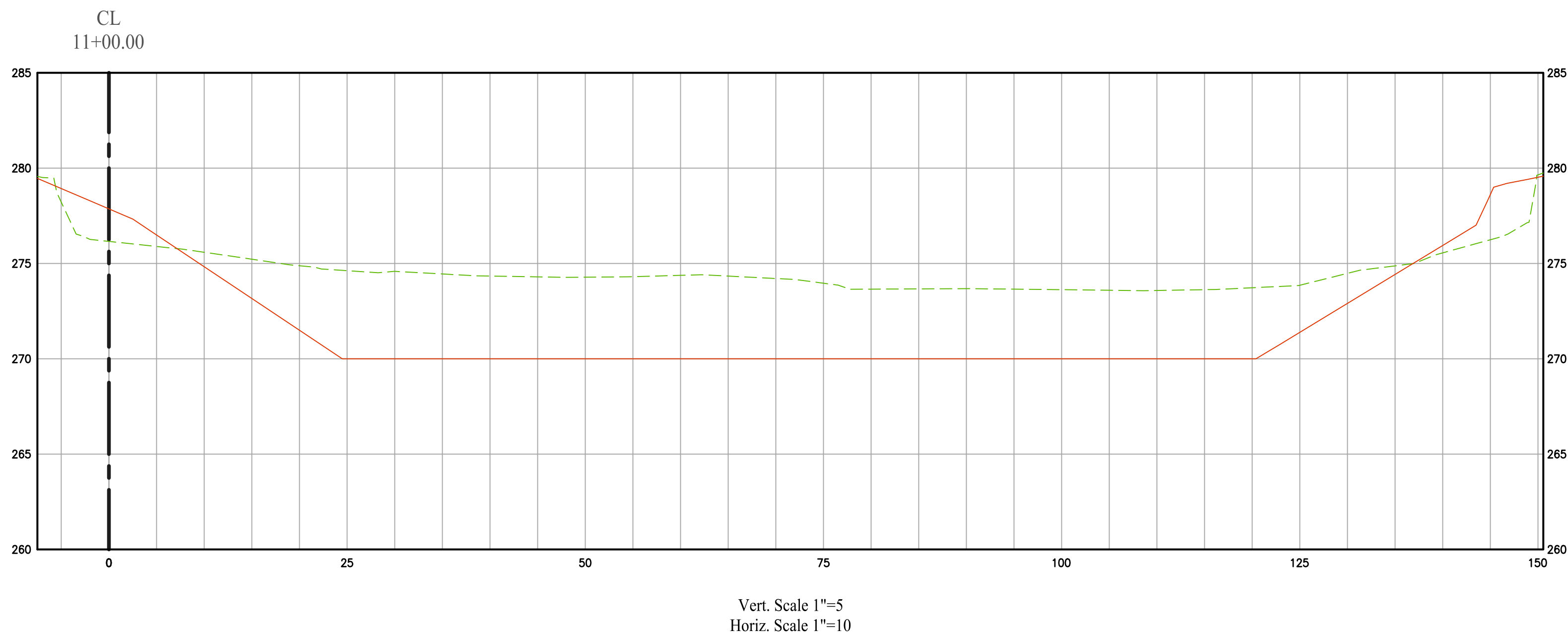
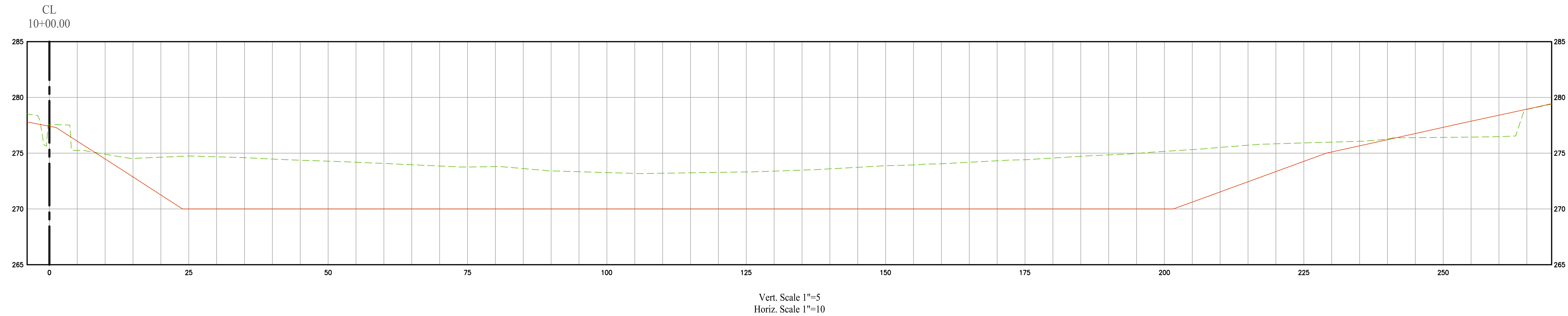
Vert. Scale 1"=5
Horiz. Scale 1"=10



Vert. Scale 1"=5
Horiz. Scale 1"=10

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

MARK	DATE	ITEM	COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			CRAIG REGIONAL PARK LAKE RESTORATION				
			TOPOGRAPHIC MAP				
			LOCATION: CITY OF FULLERTON, CA				
			DATE OF SURVEY: 04/22/2019		BY: S. STROM & PARTY		SHEET NO. 8 of 9
			TOPOGRAPHIC MAPPING		BY: H. AFTIM		
			OFFICE CHECK		BY: E. MEDINA, PLS		
			FIELD CHECK		BY: R. MACIAS, PLS		
SCALE: 1" = 10'		W.O. # EC41774					
CRAIG REGIONAL PARK_TOPOGRAPHICMAP_2019.dwg							
REVISIONS							



LEGEND

2019 Survey
As-Built Plan
Survey Control Line (CL)



NOTES:

- AS BUILT BASIN SURFACE WAS ESTABLISHED FROM THE RECORD AS-BUILT PLAN "CRAIG REGIONAL PARK LAKE AND LOFTUS BASIN DREDGING, MAY 1996 DELTA REVISION 01, DATED 01-21-2000.
- THE SECTION PROFILE LINES ARE PERPENDICULAR TO THE SURVEY CONTROL LINE.

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			CRAIG REGIONAL PARK LAKE RESTORATION			
			TOPOGRAPHIC MAP			
			LOCATION: CITY OF FULLERTON, CA			
			DATE OF SURVEY: 04/22/2019		BY: S. STROM & PARTY	
TOPOGRAPHIC MAPPING		BY: H. AFTIM				
OFFICE CHECK		BY: E. MEDINA, PLS				
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MARK	DATE	ITEM	REVISIONS			