



OC PUBLIC WORKS DEPARTMENT

SHANE SILSBY, DIRECTOR

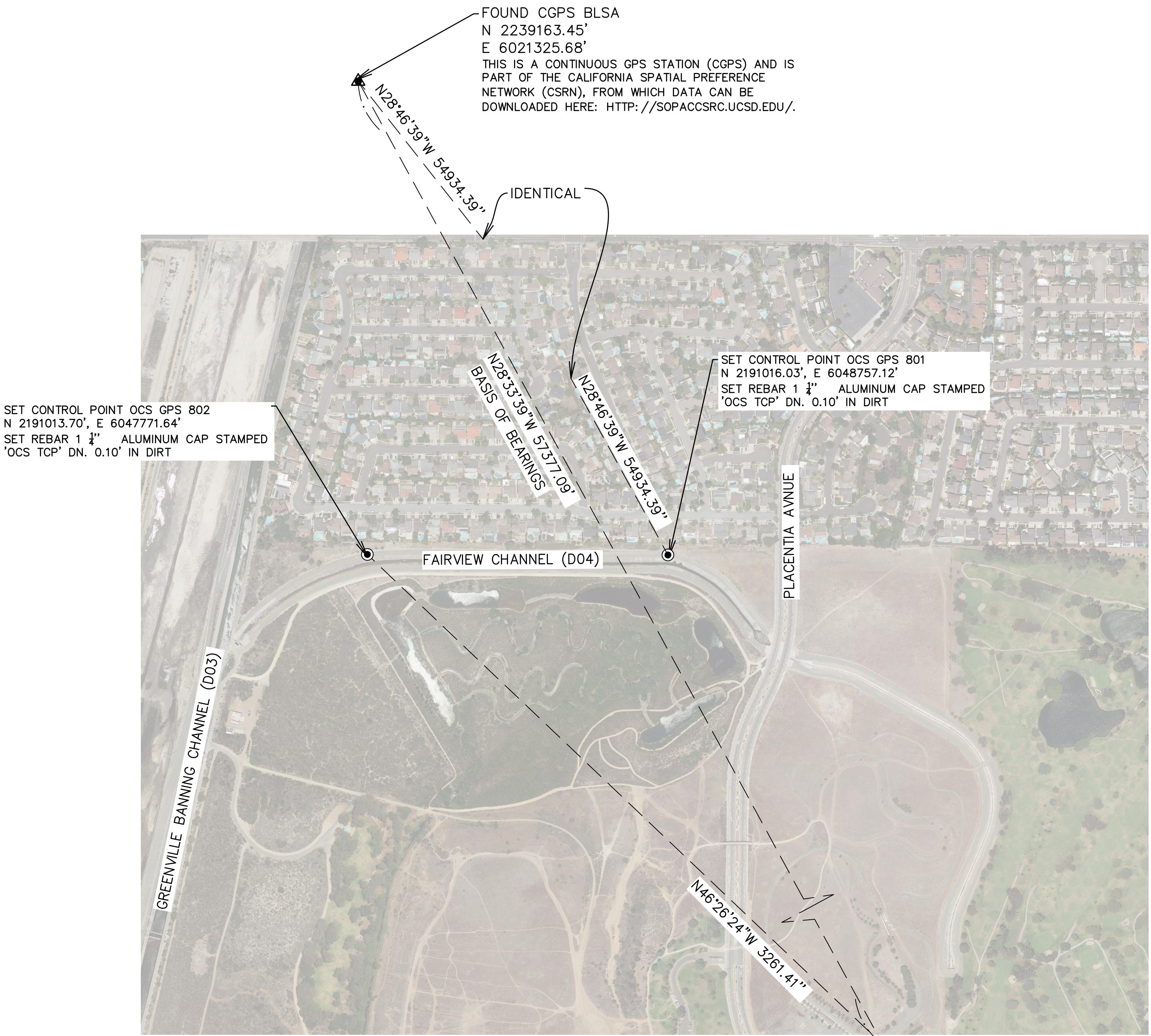
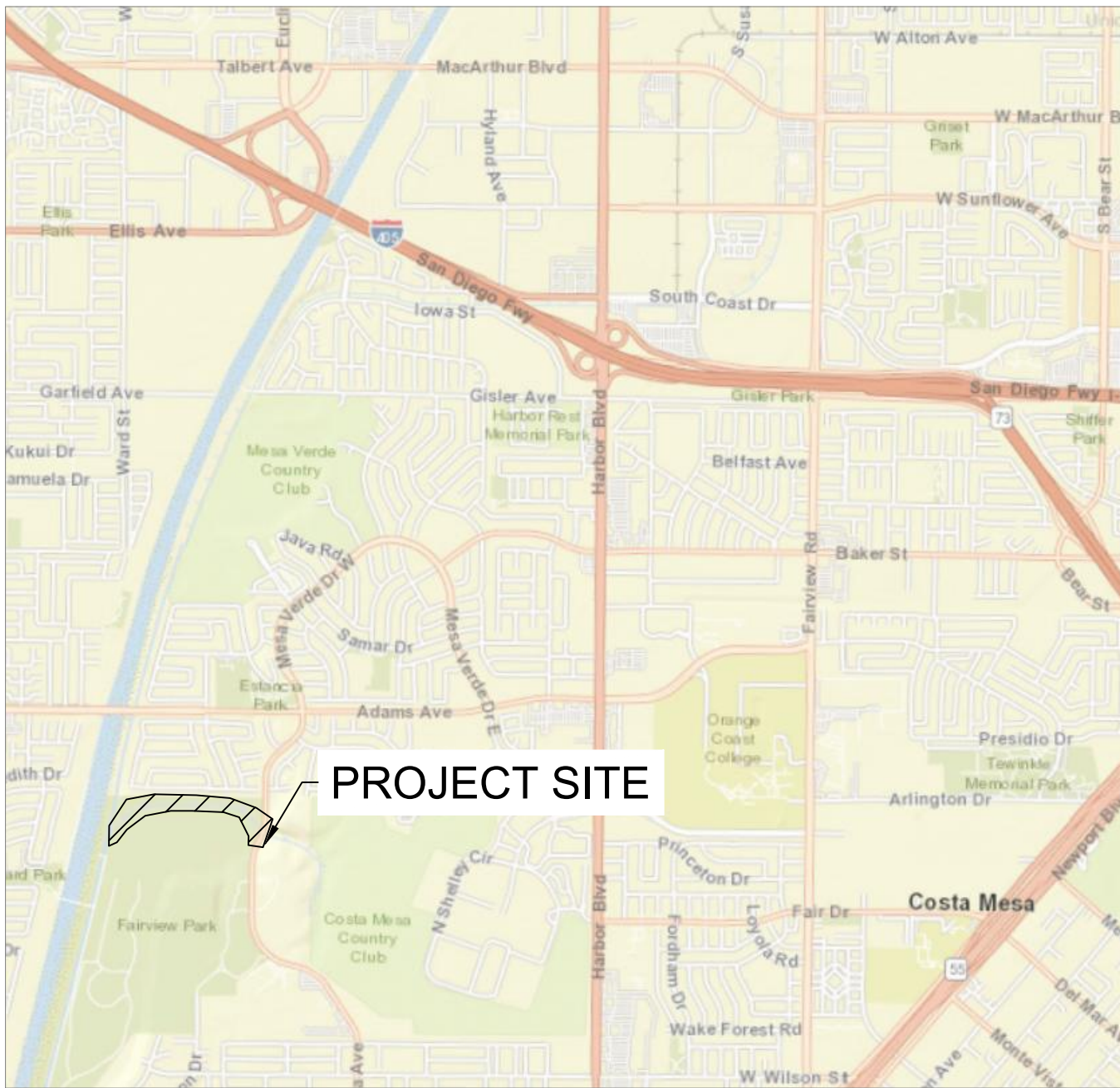
KEVIN HILLS, COUNTY SURVEYOR

FAIRVIEW CHANNEL REHABILITATION (D04)

FROM THE GREENVILLE BANNING CONFLUENCE TO 2000' U/S OF PLACENTIA AVE



LOCATION MAP



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) BLSA AND FVPK, BEING NORTH 28°33'39\"/>

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 1.00002518.
ALL DISTANCES ARE BASED ON THE U.S. SURVEY FOOT.

VERTICAL DATUM

O.C.S. CM-59-04 ELEV. = 79.511' YEAR LEVELED 2005
NAVD 1988 (O.C.S. 1995 ADJUSTMENT)
DESCRIBED BY OCS 2004 - FOUND 3 3/4\"/>

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	ALIGNMENT ESTABLISHMENT SHEET
SHEET#3-10	TOPOGRAPHIC MAP

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 10 DAY OF APRIL, 2019.

ELLIOTT MEDINA SENIOR LAND SURVEYOR



DEPUTY COUNTY SURVEYOR'S STATEMENT:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS 10 DAY OF APRIL, 2019.

WADE WEAVER DEPUTY COUNTY SURVEYOR



U.S. Survey Foot

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

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

FAIRVIEW CHANNEL

TITLE SHEET

LOCATION: FAIRVIEW CHANNEL, CITY OF COSTA MESA, CA

DATE OF SURVEY: 03/28/2019 BY: R. MACIAS & PARTY

TOPOGRAPHIC MAPPING BY: H. AFTM

OFFICE CHECK BY: E. MEDINA, PLS

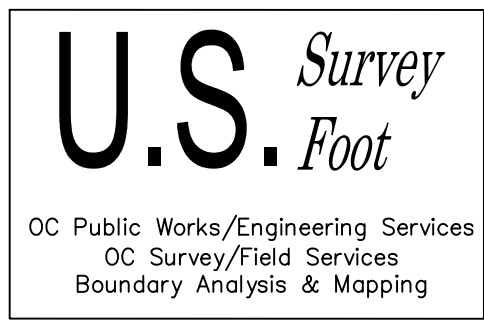
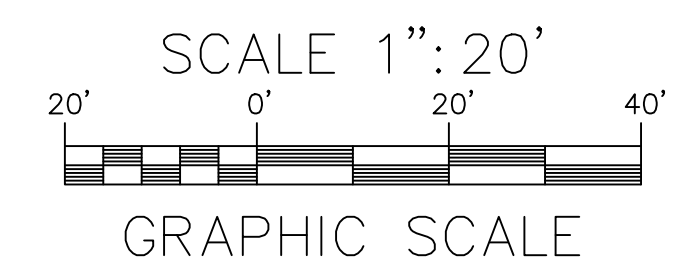
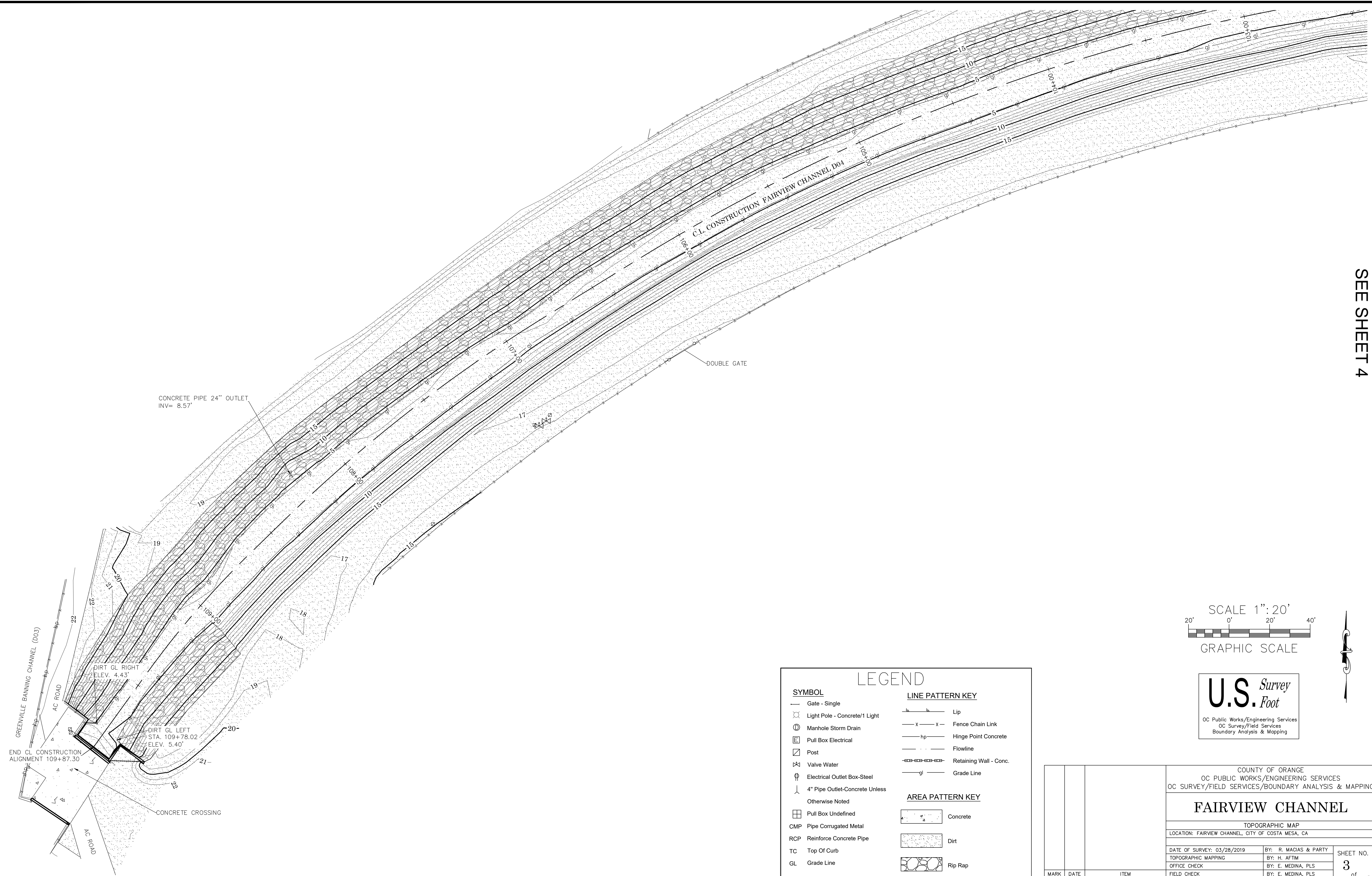
FIELD CHECK BY: E. MEDINA, PLS

SCALE: 1" = 20' W.O. # EF21459

FAIRVIEWCHANNEL_TOPOGRAPHICMAP_2019.dwg

MARK	DATE	ITEM	REVISIONS

SHEET NO.
1
of
10

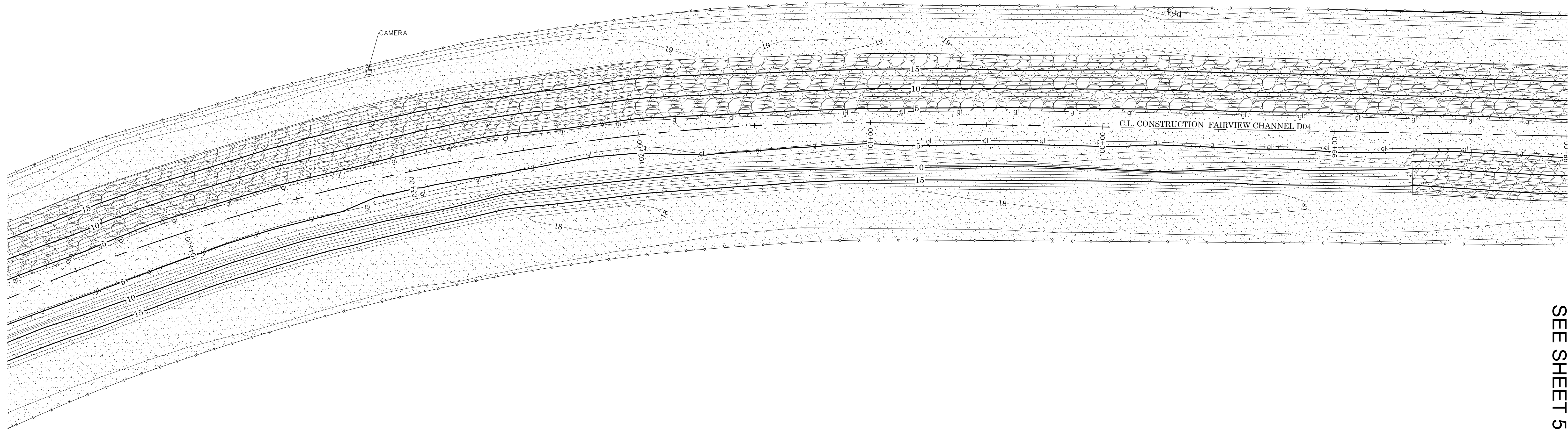


SYMBOL		LINE PATTERN KEY	
—	Gate - Single	— x — x —	Fence Chain Link
⊗	Light Pole - Concrete/1 Light	— hp —	Hinge Point Concrete
⊕	Manhole Storm Drain	—	Flowline
⊞	Pull Box Electrical	—	Retaining Wall - Conc.
⊞	Post	— gl —	Grade Line
⊞	Valve Water		
⊞	Electrical Outlet Box-Steel		
⊞	4" Pipe Outlet-Concrete Unless Otherwise Noted		
⊞	Pull Box Undefined		
CMP	Pipe Corrugated Metal		
RCP	Reinforce Concrete Pipe		
TC	Top Of Curb		
GL	Grade Line		

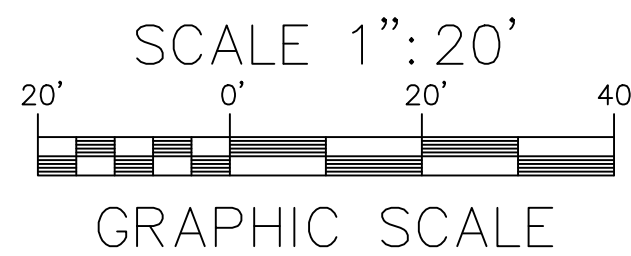
AREA PATTERN KEY	
[Pattern]	Concrete
[Pattern]	Dirt
[Pattern]	Rip Rap

			COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			FAIRVIEW CHANNEL				
			TOPOGRAPHIC MAP				
			LOCATION: FAIRVIEW CHANNEL, CITY OF COSTA MESA, CA				
			DATE OF SURVEY: 03/28/2019		BY: R. MACIAS & PARTY		SHEET NO. 3 of 10
			TOPOGRAPHIC MAPPING		BY: H. AFTIM		
			OFFICE CHECK		BY: E. MEDINA, PLS		
			FIELD CHECK		BY: E. MEDINA, PLS		
			SCALE: 1" = 20' W.O. # EF21459				
			FAIRVIEWCHANNEL_TOPOGRAPHICMAP_2019.dwg				
MARK	DATE	ITEM					
REVISIONS							

SEE SHEET 3



SEE SHEET 5



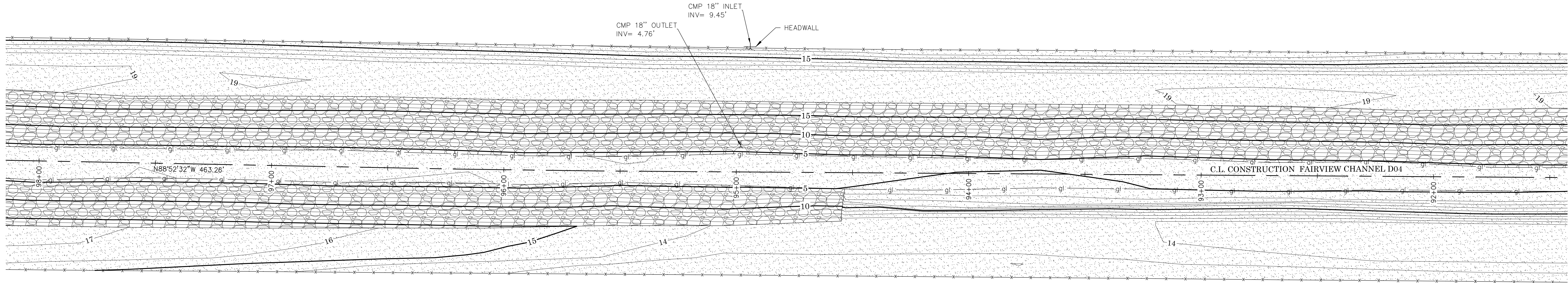
U.S. Survey Foot
OC Public Works/Engineering Services
OC Survey/Field Services
Boundary Analysis & Mapping

SYMBOL		LINE PATTERN KEY	
—	Gate - Single		Lip
	Light Pole - Concrete/1 Light		Fence Chain Link
	Manhole Storm Drain		Hinge Point Concrete
	Pull Box Electrical		Flowline
	Post		Retaining Wall - Conc.
	Valve Water		Grade Line
	Electrical Outlet Box-Steel		
	4" Pipe Outlet-Concrete Unless Otherwise Noted		
	Pull Box Undefined		
	CMP Pipe Corrugated Metal		
	RCP Reinforce Concrete Pipe		
	TC Top Of Curb		
	GL Grade Line		
AREA PATTERN KEY			
	Concrete		
	Dirt		
	Rip Rap		

			COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			FAIRVIEW CHANNEL		
			TOPOGRAPHIC MAP		
			LOCATION: FAIRVIEW CHANNEL, CITY OF COSTA MESA, CA		
			DATE OF SURVEY: 03/28/2019	BY: R. MACIAS & PARTY	SHEET NO. 4 of 10
			TOPOGRAPHIC MAPPING	BY: H. AFTM	
			OFFICE CHECK	BY: E. MEDINA, PLS	
			FIELD CHECK	BY: E. MEDINA, PLS	
			SCALE: 1" = 20'	W.O. # EF21459	
FAIRVIEWCHANNEL_TOPOGRAPHICMAP_2019.dwg					
MARK	DATE	ITEM	REVISIONS		

SEE SHEET 4

SEE SHEET 6



LEGEND

SYMBOL

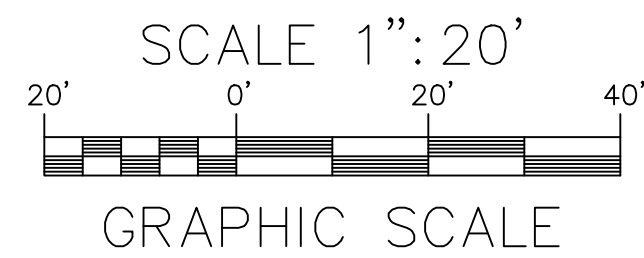
- Gate - Single
- Light Pole - Concrete/1 Light
- Manhole Storm Drain
- Pull Box Electrical
- Post
- Valve Water
- Electrical Outlet Box-Steel
- 4" Pipe Outlet-Concrete Unless Otherwise Noted
- Pull Box Undefined
- CMP Pipe Corrugated Metal
- RCP Reinforce Concrete Pipe
- TC Top Of Curb
- GL Grade Line

LINE PATTERN KEY

- Lip
- Fence Chain Link
- Hinge Point Concrete
- Flowline
- Retaining Wall - Conc.
- Grade Line

AREA PATTERN KEY

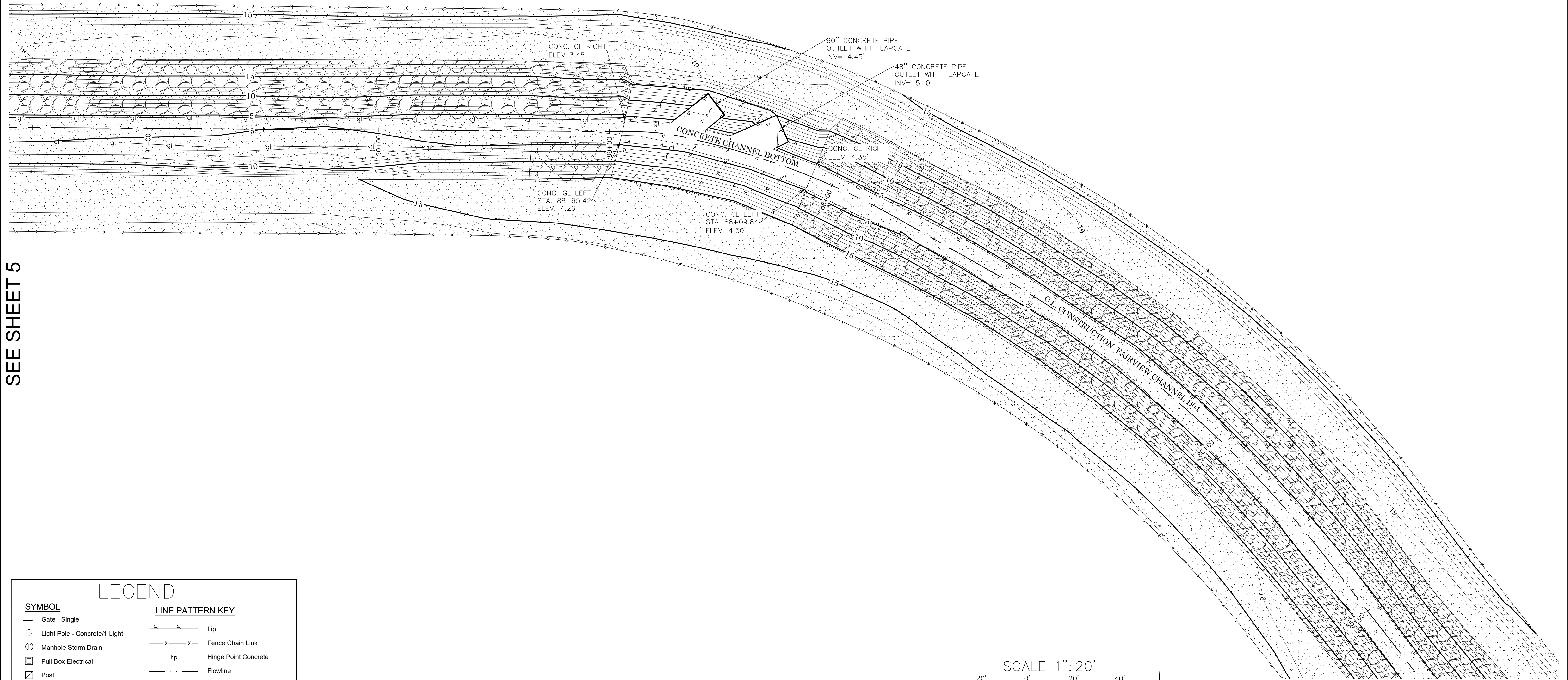
- Concrete
- Dirt
- Rip Raps



U.S. Survey Foot

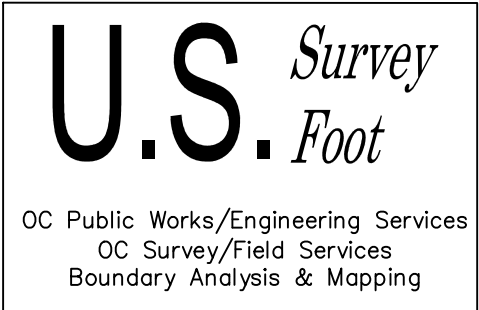
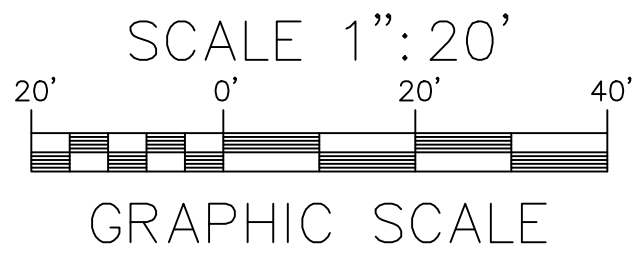
OC Public Works/Engineering Services
OC Survey/Field Services
Boundary Analysis & Mapping

			COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			FAIRVIEW CHANNEL				
			TOPOGRAPHIC MAP				
			LOCATION: FAIRVIEW CHANNEL, CITY OF COSTA MESA, CA				
			DATE OF SURVEY: 03/28/2019		BY: R. MACIAS & PARTY		SHEET NO. 5 of 10
			TOPOGRAPHIC MAPPING		BY: H. AFTIM		
			OFFICE CHECK		BY: E. MEDINA, PLS		
			FIELD CHECK		BY: E. MEDINA, PLS		
			MARK	DATE	ITEM		
REVISIONS							
SCALE: 1" = 20'		W.O. # EF21459					
FAIRVIEWCHANNEL_TOPOGRAPHICMAP_2019.dwg							

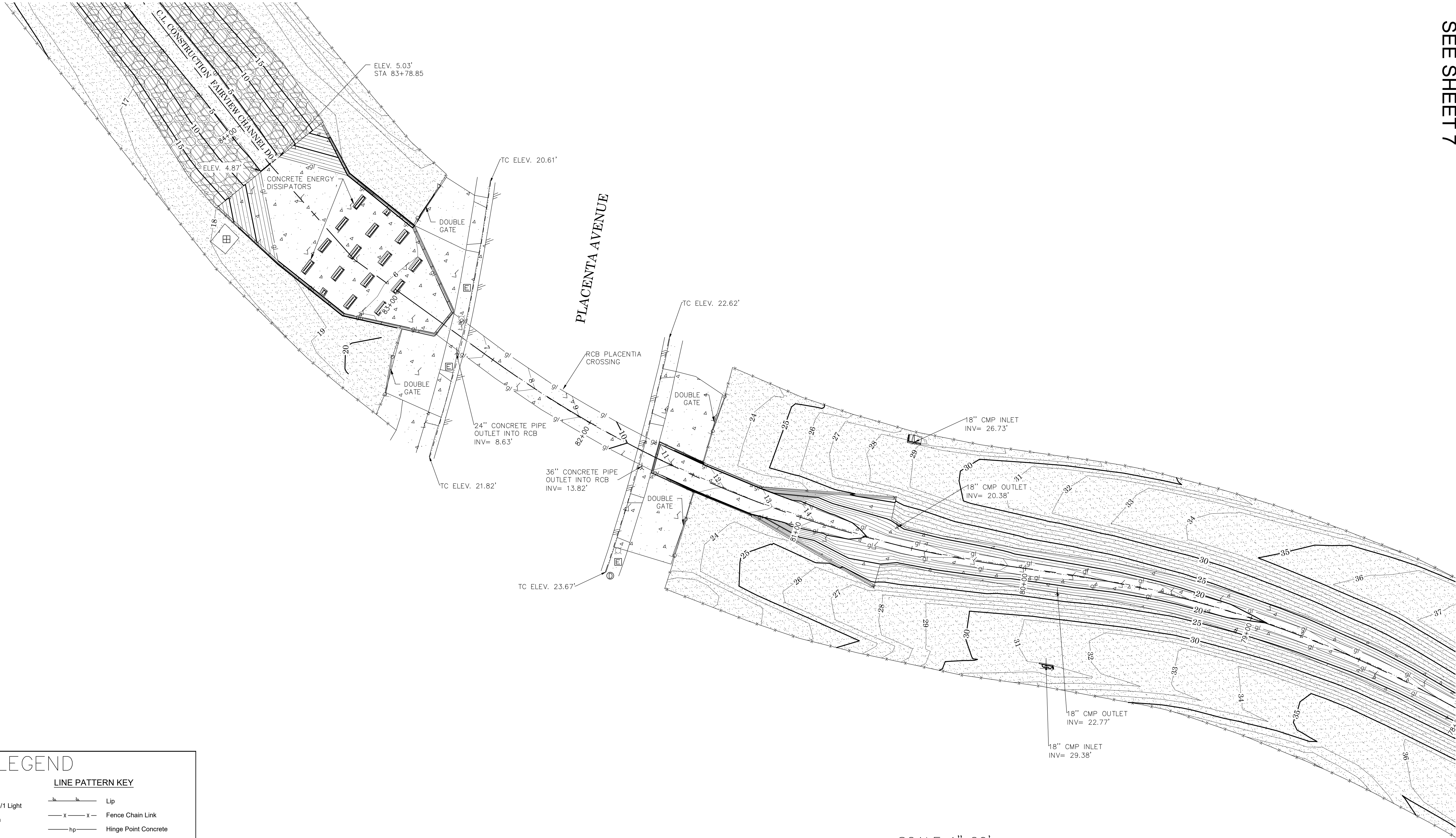


LEGEND

SYMBOL		LINE PATTERN KEY	
—	Gate - Single	—	Lip
⊗	Light Pole - Concrete/1 Light	— x — x —	Fence Chain Link
⊙	Manhole Storm Drain	— hp —	Hinge Point Concrete
⊞	Pull Box Electrical	—	Flowline
⊞	Post	—	Retaining Wall - Conc.
⊞	Valve Water	— gl —	Grade Line
⊞	Electrical Outlet Box-Steel		
⊞	4" Pipe Outlet-Concrete Unless Otherwise Noted		
AREA PATTERN KEY			
⊞	Pull Box Undefined	Concrete	
CMP	Pipe Corrugated Metal	Dirt	
RCP	Reinforce Concrete Pipe	Rip Rap	
TC	Top Of Curb		
GL	Grade Line		

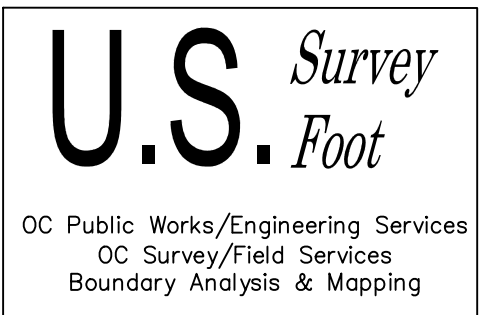
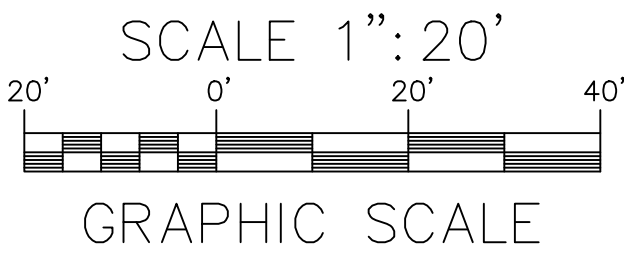


			COUNTY OF ORANGE			SHEET NO. 6 of 10
			OC PUBLIC WORKS/ENGINEERING SERVICES			
			OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			FAIRVIEW CHANNEL			
			TOPOGRAPHIC MAP			
			LOCATION: FAIRVIEW CHANNEL, CITY OF COSTA MESA, CA			
			DATE OF SURVEY: 03/28/2019		BY: R. MACIAS & PARTY	
			TOPOGRAPHIC MAPPING		BY: H. AFTIM	
			OFFICE CHECK		BY: E. MEDINA, PLS	
MARK	DATE	ITEM	FIELD CHECK		BY: E. MEDINA, PLS	
REVISIONS			SCALE: 1" = 20'	W.O. # EF21459		
			FAIRVIEWCHANNEL_TOPOGRAPHICMAP_2019.dwg			

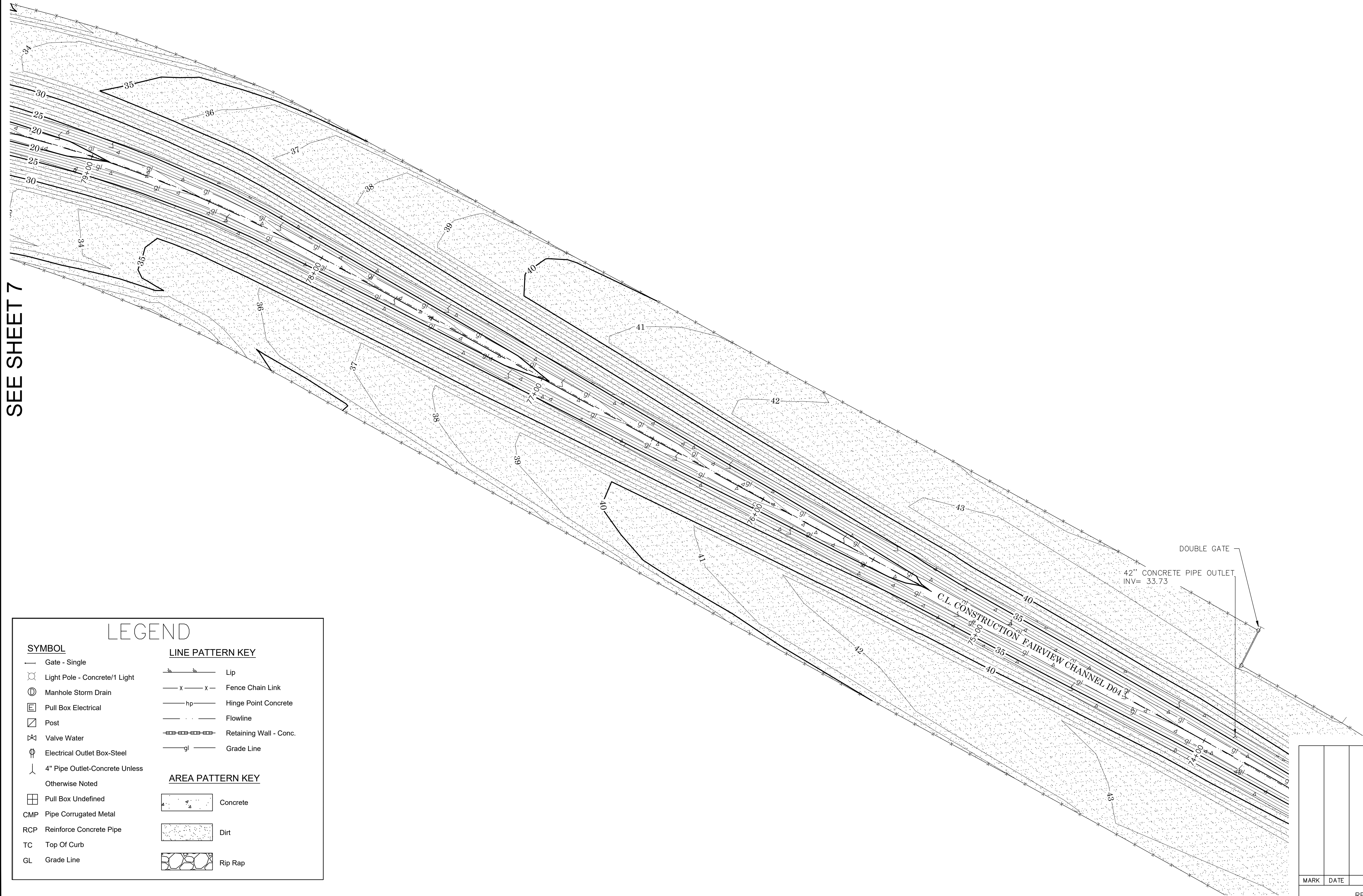


LEGEND

SYMBOL		LINE PATTERN KEY	
—	Gate - Single	— x — x —	Fence Chain Link
⊗	Light Pole - Concrete/1 Light	— hp —	Hinge Point Concrete
⊕	Manhole Storm Drain	— . . . —	Flowline
⊞	Pull Box Electrical	— [hatched] —	Retaining Wall - Conc.
⊞	Post	— gl —	Grade Line
⊞	Valve Water		
⊞	Electrical Outlet Box-Steel		
⊞	4" Pipe Outlet-Concrete Unless Otherwise Noted		
⊞	Pull Box Undefined	[Pattern]	Concrete
CMP	Pipe Corrugated Metal	[Pattern]	Dirt
RCP	Reinforce Concrete Pipe	[Pattern]	Rip Rap
TC	Top Of Curb		
GL	Grade Line		

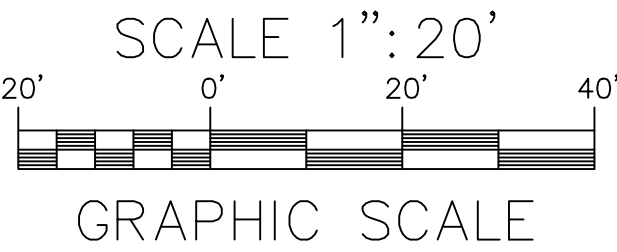


			COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			FAIRVIEW CHANNEL				
			TOPOGRAPHIC MAP				
			LOCATION: FAIRVIEW CHANNEL, CITY OF COSTA MESA, CA				
			DATE OF SURVEY: 03/28/2019		BY: R. MACIAS & PARTY		SHEET NO. 7 of 10
			TOPOGRAPHIC MAPPING		BY: H. AFTIM		
			OFFICE CHECK		BY: E. MEDINA, PLS		
			FIELD CHECK		BY: E. MEDINA, PLS		
			SCALE: 1" = 20'		W.O. # EF21459		
FAIRVIEWCHANNEL_TOPOGRAPHICMAP_2019.dwg							
MARK	DATE	ITEM	REVISIONS				



LEGEND

SYMBOL	LINE PATTERN KEY
Gate - Single	Lip
Light Pole - Concrete/1 Light	Fence Chain Link
Manhole Storm Drain	Hinge Point Concrete
Pull Box Electrical	Flowline
Post	Retaining Wall - Conc.
Valve Water	Grade Line
Electrical Outlet Box-Steel	
4" Pipe Outlet-Concrete Unless Otherwise Noted	
Pull Box Undefined	AREA PATTERN KEY
CMP Pipe Corrugated Metal	Concrete
RCP Reinforce Concrete Pipe	Dirt
TC Top Of Curb	Rip Rap
GL Grade Line	

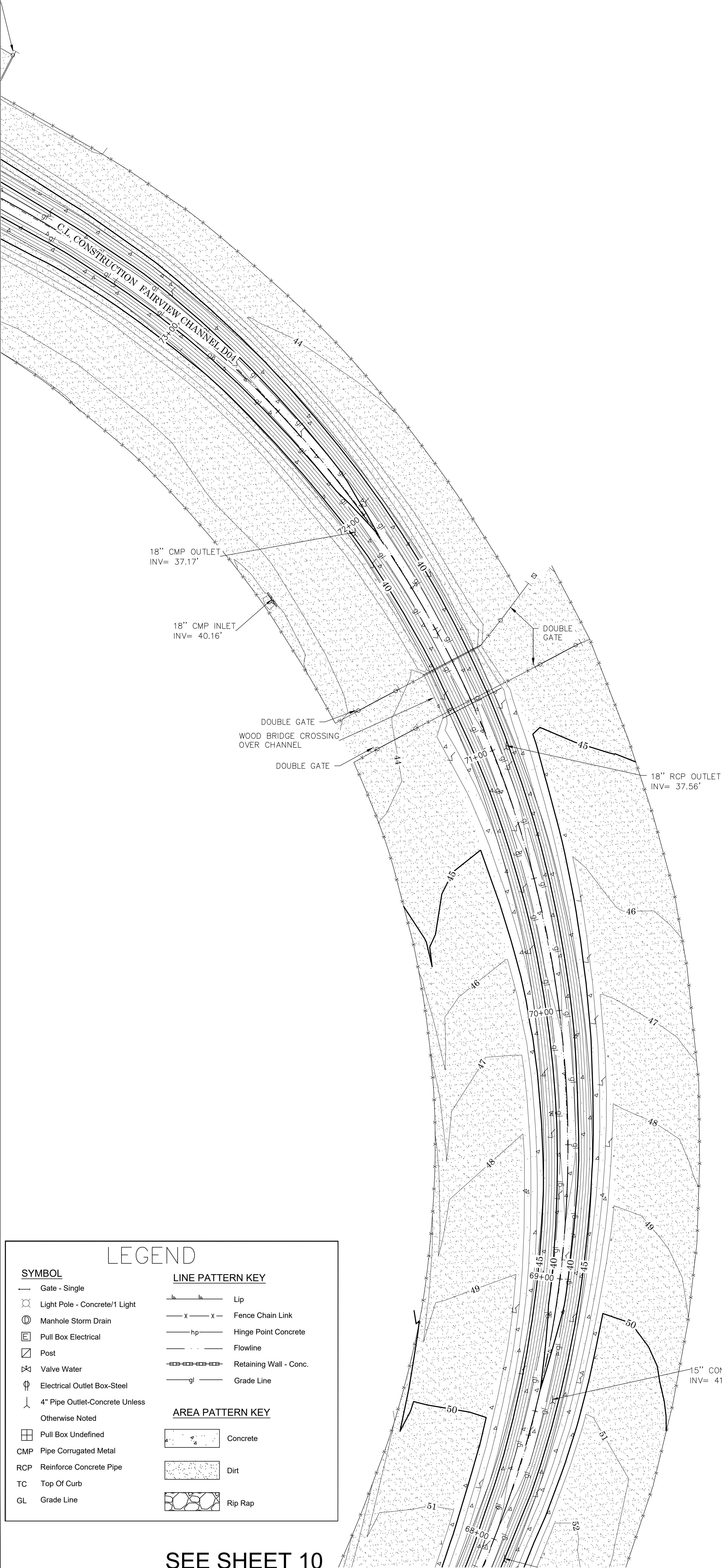


U.S. Survey
Foot

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

			COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			FAIRVIEW CHANNEL			
			TOPOGRAPHIC MAP			
			LOCATION: FAIRVIEW CHANNEL, CITY OF COSTA MESA, CA			
			DATE OF SURVEY: 03/28/2019		BY: R. MACIAS & PARTY	SHEET NO. 8 of 10
			TOPOGRAPHIC MAPPING		BY: H. AFTIM	
			OFFICE CHECK		BY: E. MEDINA, PLS	
			FIELD CHECK		BY: E. MEDINA, PLS	
MARK	DATE	ITEM	SCALE: 1" = 20'		W.O. # EF21459	
REVISIONS			FAIRVIEWCHANNEL_TOPOGRAPHICMAP_2019.dwg			

SEE SHEET 8



LEGEND

SYMBOL

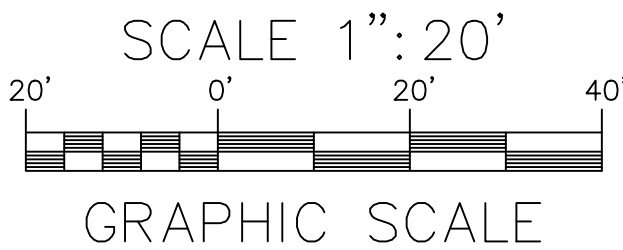
- Gate - Single
- Light Pole - Concrete/1 Light
- Manhole Storm Drain
- Pull Box Electrical
- Post
- Valve Water
- Electrical Outlet Box-Steel
- 4" Pipe Outlet-Concrete Unless
- Otherwise Noted
- Pull Box Undefined
- CMP Pipe Corrugated Metal
- RCP Reinforce Concrete Pipe
- TC Top Of Curb
- GL Grade Line

LINE PATTERN KEY

- Lip
- Fence Chain Link
- Hinge Point Concrete
- Flowline
- Retaining Wall - Conc.
- Grade Line

AREA PATTERN KEY

- Concrete
- Dirt
- Rip Rap



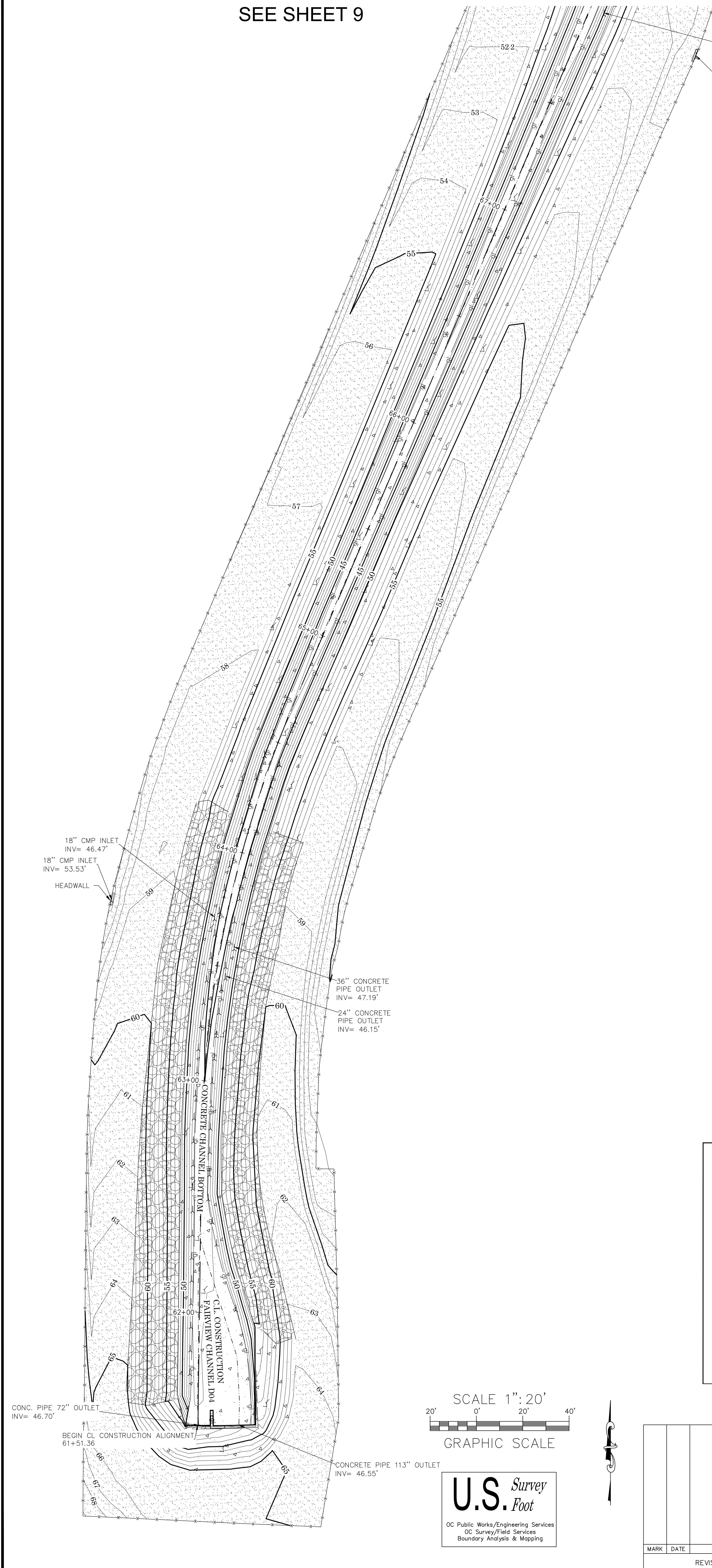
U.S. Survey Foot

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

			COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			SHEET NO. 9 ^{of} 10	
			FAIRVIEW CHANNEL				
			TOPOGRAPHIC MAP				
			LOCATION: FAIRVIEW CHANNEL, CITY OF COSTA MESA, CA				
			DATE OF SURVEY: 03/28/2019		BY: R. MACIAS & PARTY		
			TOPOGRAPHIC MAPPING		BY: H. AFTIM		
			OFFICE CHECK		BY: E. MEDINA, PLS		
			FIELD CHECK		BY: E. MEDINA, PLS		
			SCALE: 1" = 20'		W.O. # EF21459		
			FAIRVIEWCHANNEL_TOPOGRAPHICMAP_2019.dwg				
MARK	DATE	ITEM	REVISIONS				

SEE SHEET 10

SEE SHEET 9



LEGEND

SYMBOL

— Gate - Single

⊗ Light Pole - Concrete/1 Light

⊙ Manhole Storm Drain

⊞ Pull Box Electrical

⊞ Post

⊞ Valve Water

⊞ Electrical Outlet Box-Steel

⊞ 4" Pipe Outlet-Concrete Unless Otherwise Noted

⊞ Pull Box Undefined

CMP Pipe Corrugated Metal

RCP Reinforce Concrete Pipe

TC Top Of Curb

GL Grade Line

LINE PATTERN KEY

— Lip

— x — x — Fence Chain Link

— hp — Hinge Point Concrete

— Flowline

— Retaining Wall - Conc.

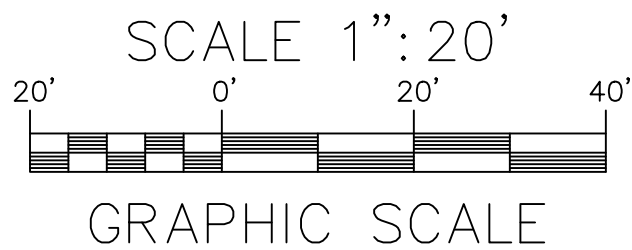
— Grade Line

AREA PATTERN KEY

Concrete

Dirt

Rip Rap



U.S. Survey
Foot

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

			COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			FAIRVIEW CHANNEL		
			TOPOGRAPHIC MAP		
			LOCATION: FAIRVIEW CHANNEL, CITY OF COSTA MESA, CA		
			DATE OF SURVEY: 03/28/2019	BY: R. MACIAS & PARTY	SHEET NO. 10 of 10
			TOPOGRAPHIC MAPPING	BY: H. AFTIM	
			OFFICE CHECK	BY: E. MEDINA, PLS	
			FIELD CHECK	BY: E. MEDINA, PLS	
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FAIRVIEWCHANNEL_TOPOGRAPHICMAP_2019.dwg					
MARK	DATE	ITEM			
REVISIONS					