

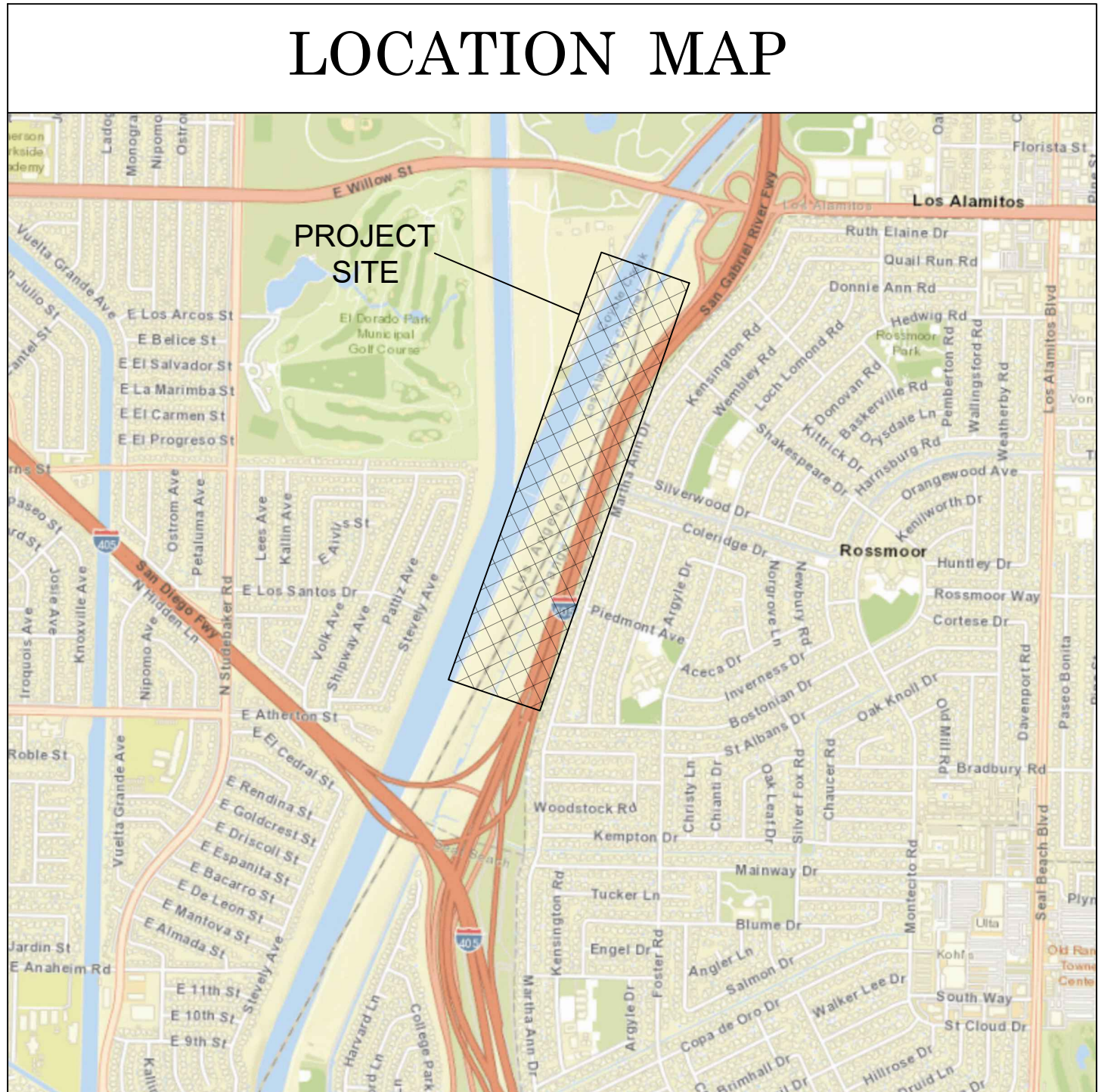


OC PUBLIC WORKS DEPARTMENT  
SHANE SILSBY, DIRECTOR  
KEVIN HILLS, COUNTY SURVEYOR  
ROSSMOOR RETARDING BASIN

C01B02



LOCATION 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 \_\_\_\_ DAY OF \_\_\_\_\_, 2019.

MICHAEL KUBISTY SENIOR LAND SURVEYOR

**DEPUTY COUNTY SURVEYOR'S STATEMENT:**

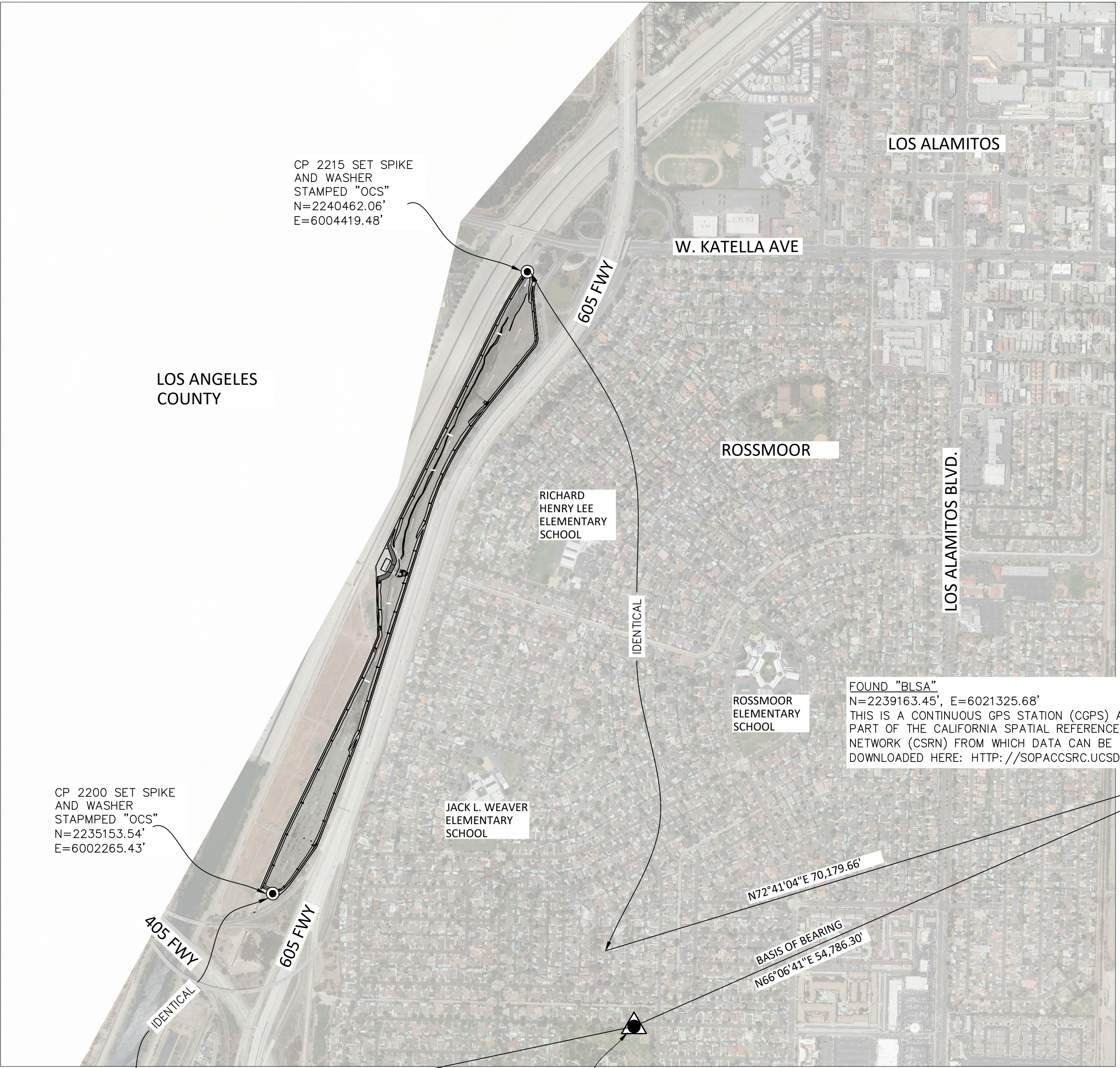
THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS \_\_\_\_ DAY OF \_\_\_\_\_, 2019.

WADE WEAVER DEPUTY COUNTY SURVEYOR

**U.S. Survey Foot**

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

N.T.S.



TOPOGRAPHIC MAPPING PROJECT

**BASIS OF BEARINGS**

THE BASIS OF BEARINGS FOR THIS PROJECT IS THE CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS83), NAD 83, EPOCH 2007.00, ZONE VI, AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS GLOBAL POSITIONING STATIONS (CGPS) BLSA AND CCCS, BEING NORTH 66°06'41" EAST AS DERIVED FROM THE COORDINATES ESTABLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC) ALONG WITH THE DATA SHEETS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.

**HORIZONTAL DATUM**

THE COORDINATES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS NAD83), ZONE VI, 1983 NORTH AMERICAN DATUM (2007.00 EPOCH, O.C.S. GPS ADJUSTMENT).

ALL DISTANCES SHOWN ARE GRID, UNLESS OTHERWISE NOTED. MULTIPLY GRID DISTANCES BY 1.000011 TO OBTAIN A GROUND DISTANCE.

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

**VERTICAL DATUM**

ARMY CORPS OF ENGINEERS ELEV.=39.823' YEAR LEVELED 2005

NAVD88 (O.C.S. 2005 ADJUSTMENT)

DESCRIBED BY OCS 2002 - 3 3/4" US ARMY CORPS OF ENGINEERS BRONZE DISK STAMPED "CC6 1957", SET IN THE EASTERLY END OF A CONCRETE BRIDGE. MONUMENT IS LOCATED IN THE EASTERLY PORTION OF THE INTERSECTION OF CERRITOS AVENUE AND THE COYOTE CREEK OVERCROSSING, 1.0 FT. SOUTHERLY OF THE CENTERLINE OF CERRITOS AVENUE AND 120 FT. EASTERLY OF THE CENTERLINE OF THE COYOTE CREEK CHANNEL. MONUMENT IS SET 1.0 FT. ABOVE THE ROAD.

**NOTES**

THE SURVEY INFORMATION SHOWN HEREON IS TO BE USED FOR TOPOGRAPHIC RELATIONSHIPS ONLY AND IS NOT INTENDED FOR LAND ACQUISITION OR BOUNDARY PURPOSES.

THIS SURVEY WAS PREPARED FOR THE PURPOSE OF CALCULATING VOLUMES BETWEEN THE EXISTING SURFACE AND THE ORIGINAL C01B02-101-1 C01B02-101-2 AS-BUILT SURFACE.

**SHEET INDEX**

| SHEET NO.   | DESCRIPTION     |
|-------------|-----------------|
| SHEET #1    | TITLE SHEET     |
| SHEET #2-11 | TOPOGRAPHIC MAP |

|      |      |      |                                                                                                                  |  |                                         |  |                                |
|------|------|------|------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------|--|--------------------------------|
| MARK | DATE | ITEM | COUNTY OF ORANGE<br>OC PUBLIC WORKS/ENGINEERING SERVICES<br>OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING |  |                                         |  |                                |
|      |      |      | ROSSMOOR RETARDING BASIN<br>C01B02                                                                               |  |                                         |  |                                |
|      |      |      | TITLE SHEET                                                                                                      |  |                                         |  |                                |
|      |      |      | LOCATION: ALONG SAN GABRIEL RIVER FREEWAY (605) BETWEEN SAN DIEGO<br>FREEWAY (405) AND KATELLA AVENUE            |  |                                         |  |                                |
|      |      |      | DATE OF SURVEY: FEBRUARY, 2019                                                                                   |  | BY: J. RUSSO AND PARTY                  |  | SHEET NO.<br><br>1<br>of<br>11 |
|      |      |      | TOPOGRAPHIC MAPPING                                                                                              |  | BY: RODOLFO BELTRAN                     |  |                                |
|      |      |      | OFFICE CHECK                                                                                                     |  | BY: MICHAEL LAFONTAINE                  |  |                                |
|      |      |      | FIELD CHECK                                                                                                      |  | BY:                                     |  |                                |
|      |      |      | SCALE: N.T.S.                                                                                                    |  | W.O.# EF21307                           |  |                                |
|      |      |      | PID                                                                                                              |  | FILE: ROSSMOOR RETARDING BASIN TOPO.DWG |  |                                |

MATCHLINE - SEE SHEET 3

L=199.82', R=3999.96  
Δ=002°51'44"

PVC PIPE INLET 4"Ø  
INV EL=14.80'

PVC PIPE OUTLET 4"Ø  
INV EL=14.81'

CONCRETE  
V-DITCH  
FL  
EL=3.04'

L=199.82', R=3999.96  
Δ=002°51'44"

FL  
EL=4.01'

VAULT  
UNKNOWN

RCP PIPE INLET 4"Ø  
INV EL=13.81'

RCP PIPE OUTLET 4"Ø  
INV EL=13.79'

PVC PIPE INLET 4"Ø  
INV EL=14.48'

PVC PIPE OUTLET 4"Ø  
INV EL=14.48'

CONCRETE  
V-DITCH  
FL  
EL=4.25'

CONCRETE  
V-DITCH  
FL  
EL=3.65'

PVC PIPE OUTLET 4"Ø  
INV EL=13.55'

PVC PIPE INLET 4"Ø  
INV EL=13.59'

CONCRETE  
DROP STRUCTURE

LT FS  
EL=8.87'  
LT TW  
EL=12.29'

LT HP  
EL=8.83'

CONCRETE  
V-DITCH  
FL  
EL=4.76'

CONCRETE  
V-DITCH  
FL  
EL=5.04'

PVC PIPE INLET 4"Ø  
INV EL=13.24'

PVC PIPE OUTLET 4"Ø  
INV EL=13.18'

PVC PIPE INLET 4"Ø  
INV EL=13.11'

PVC PIPE OUTLET 4"Ø  
INV EL=13.06'

RT FS  
EL=9.02'

RT TW  
EL=12.27

164+00

ALIGNMENT PER C01B02-101-1  
C01B02-101-2

ALIGNMENT PER C01B02-101-1  
C01B02-101-2

STA 169+01.85  
BC

ROSSMOOR RETARDING BASIN C01B02

SAN GABRIEL  
RIVER FWY (605)

SAN GABRIEL  
RIVER

## LEGEND

### SYMBOL

|       |                          |
|-------|--------------------------|
| DGT   | Gate, Double             |
| SGT   | Gate, single             |
| GRI   | Grate Inlet              |
| MHSD  | Manhole Storm Drain      |
| PBXTL | Pull Box Telephone       |
| PPO   | Pipe Outlet/Inlet        |
| PST   | Post                     |
| VLTON | Vault, Undefined         |
| VLVGA | Valve-Ctr Gas            |
| UGOWD | Utility Pole 2LT-UG Wood |

### LINE PATTERN KEY

|                          |
|--------------------------|
| Building Outline         |
| Centerline               |
| Edge of Conc             |
| Edge of Asphalt Pavement |
| Fence Chain Link         |
| Flowline                 |
| Hinge Point              |
| Wall, Concrete           |
| Wall, Block              |

### ABBREVIATIONS

|     |                          |
|-----|--------------------------|
| FL  | FLOW LINE                |
| FS  | FINISHED SURFACE         |
| PVC | Polyvinylchloride Pipe   |
| RCP | Reinforced Concrete Pipe |
| TW  | TOP OF WALL              |

### AREA PATTERN KEY

|          |
|----------|
| Concrete |
| Dirt     |
| Rip Rap  |

CONTOUR INTERVALS =1' AND 5'

**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

## ROSSMOOR RETARDING BASIN C01B02

LOCATION: ALONG SAN GABRIEL RIVER FREEWAY (605) BETWEEN SAN DIEGO  
FREEWAY (405) AND KATELLA AVENUE

DATE OF SURVEY: FEBRUARY, 2019 BY: J. RUSSO AND PARTY

TOPOGRAPHIC MAPPING BY: RODOLFO BELTRAN

OFFICE CHECK BY: MICHAEL LAFONTAINE

FIELD CHECK BY: PID

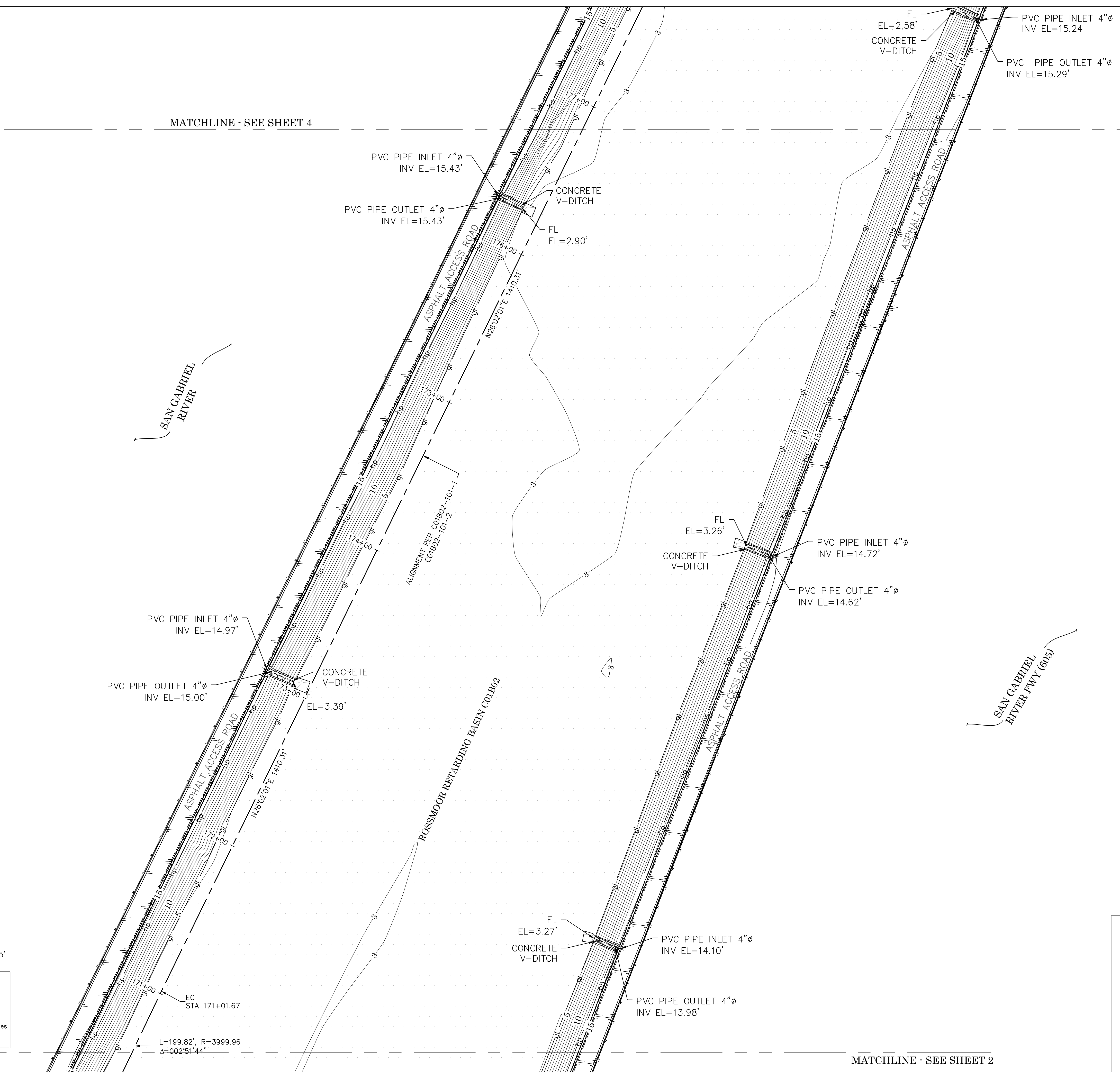
SCALE: 1" = 30' W.O.# EF21307

FILE: ROSSMOOR RETARDING BASIN TOPO.DWG

SHEET NO.

2

11



SYMBOL

DGT

Gate, Double

SGT

Gate, single

GRI

Grate Inlet

MHHSD

Manhole Storm Drain

PBXTL

Pull Box Telephone

PPO

Pipe Outlet/Inlet

PST

Post

VLTURN

Vault, Undefined

VLVGA

Valve-Ctr Gas

UGOWD

Utility Pole 2LT-UG Wood

ABREVIATIONS

FL

FLOW LINE

FS

FINISHED SURFACE

PVC

Polyvinylchloride Pipe

RCP

Reinforced Concrete Pipe

TW

TOP OF WALL

LINE PATTERN KEY

Building Outline

Centerline

Edge of Conc

Edge of Asphalt Pavement

Fence Chain Link

Flowline

Hinge Point

Wall, Concrete

Wall, Block

AREA PATTERN KEY

Concrete

Dirt

Rip Rap

CONTOUR INTERVALS =1' AND 5'

U.S. Survey

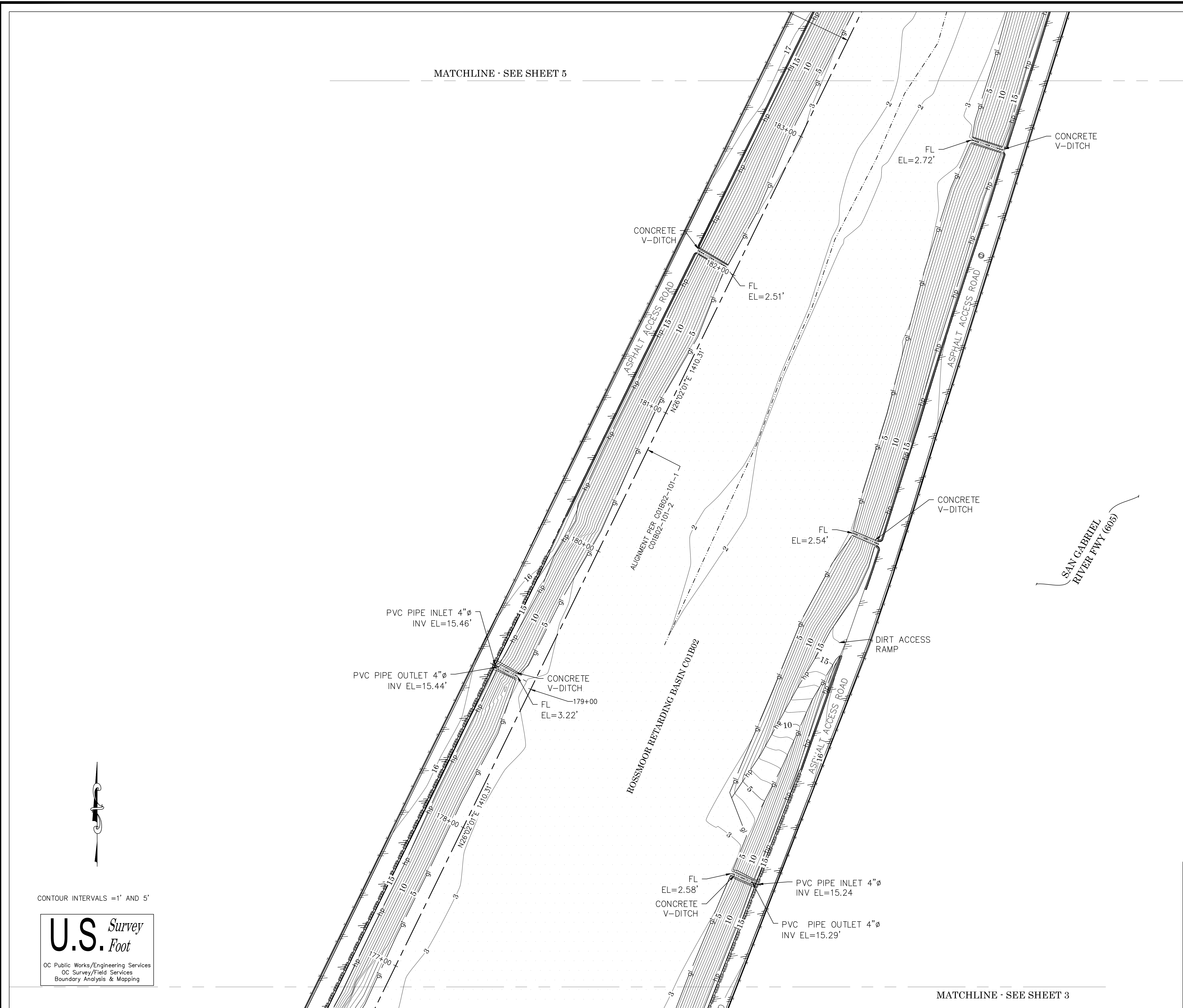
Foot

OC Public Works/Engineering Services

OC Survey/Field Services

Boundary Analysis & Mapping

|           |      |      |                                                                                                                  |                        |     |                                              |
|-----------|------|------|------------------------------------------------------------------------------------------------------------------|------------------------|-----|----------------------------------------------|
|           |      |      | COUNTY OF ORANGE<br>OC PUBLIC WORKS/ENGINEERING SERVICES<br>OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING |                        |     |                                              |
|           |      |      | ROSSMOOR RETARDING BASIN<br>C01B02                                                                               |                        |     |                                              |
|           |      |      | LOCATION: ALONG SAN GABRIEL RIVER FREEWAY (605) BETWEEN SAN DIEGO<br>FREEWAY (405) AND KATELLA AVENUE            |                        |     |                                              |
|           |      |      | DATE OF SURVEY: FEBRUARY, 2019                                                                                   | BY: JURUSSO AND PARTY  |     | SHEET NO.<br><br><b>3</b><br>of<br><b>11</b> |
|           |      |      | TOPOGRAPHIC MAPPING                                                                                              | BY: RODOLFO BELTRAN    |     |                                              |
|           |      |      | OFFICE CHECK                                                                                                     | BY: MICHAEL LAFONTAINE |     |                                              |
|           |      |      | FIELD CHECK                                                                                                      | BY:                    |     |                                              |
| MARK      | DATE | ITEM | SCALE: 1" = 30'                                                                                                  |                        | PID |                                              |
| REVISIONS |      |      | FILE:ROSSMOOR RETARDING BASIN TOPO.DWG                                                                           |                        |     |                                              |



**SYMBOL**  
DGT Gate, Double  
SGT Gate, single  
GRI Grate Inlet  
MHSD Manhole Storm Drain  
PBXTL Pull Box Telephone  
PPO Pipe Outlet/Inlet  
PST Post  
VLTUN Vault, Undefined  
VLVGA Valve-Ctr Gas  
UGOWD Utility Pole 2LT-UG Wood

**LINE PATTERN KEY**  
Building Outline  
Centerline  
Edge of Conc  
Edge of Asphalt Pavement  
Fence Chain Link  
Flowline  
Hinge Point  
Wall, Concrete  
Wall, Block

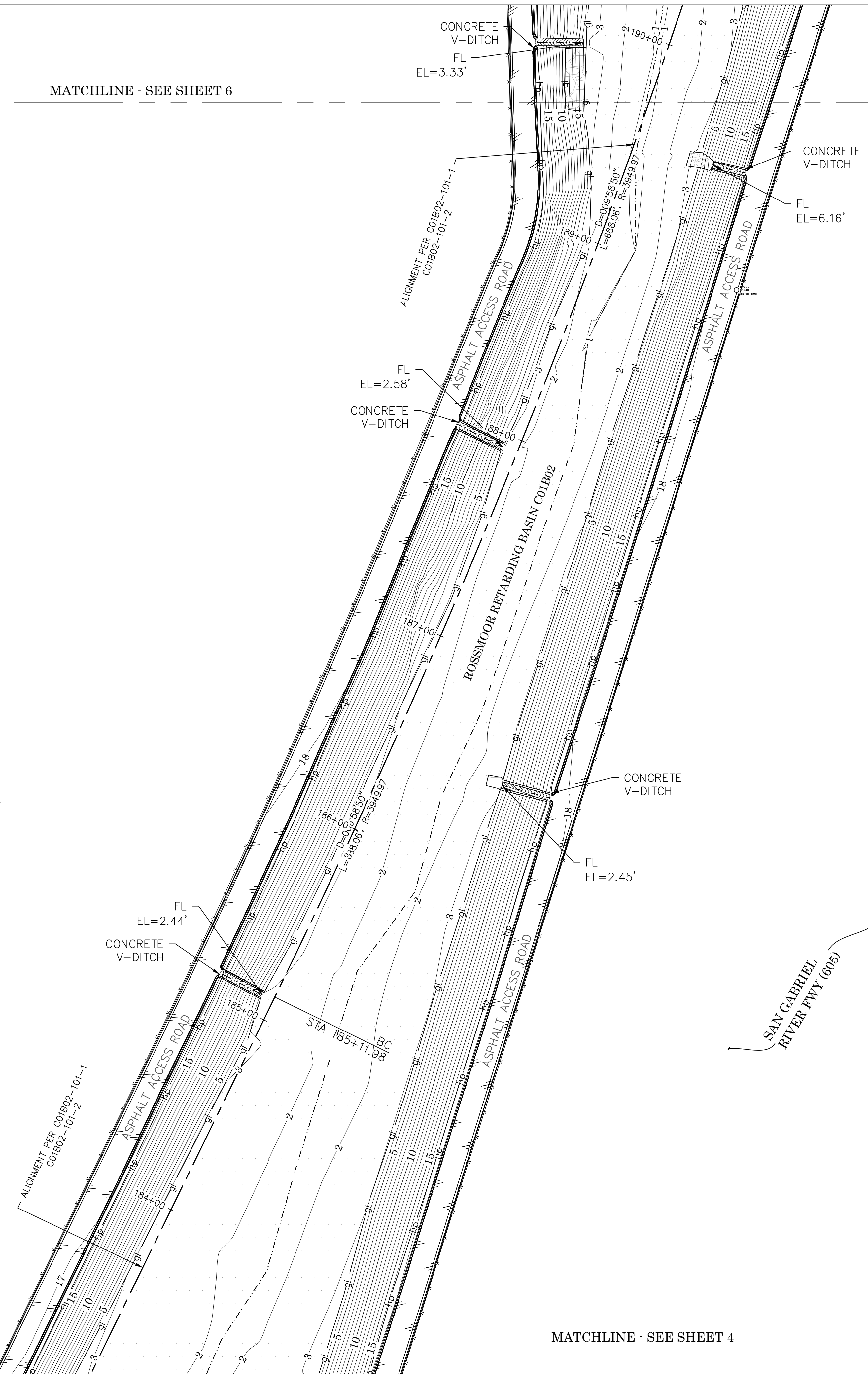
**ABBREVIATIONS**  
FL FLOW LINE  
FS FINISHED SURFACE  
PVC Polyvinylchloride Pipe  
RCP Reinforced Concrete Pipe  
TW TOP OF WALL

**AREA PATTERN KEY**  
Concrete  
Dirt  
Rip Rap

CONTOUR INTERVALS =1' AND 5'

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

|                                                                                                                  |                        |                       |           |
|------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------|-----------|
| COUNTY OF ORANGE<br>OC PUBLIC WORKS/ENGINEERING SERVICES<br>OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING |                        |                       |           |
| ROSSMOOR RETARDING BASIN<br>C01B02                                                                               |                        |                       |           |
| LOCATION: ALONG SAN GABRIEL RIVER FREEWAY (605) BETWEEN SAN DIEGO<br>FREEWAY (405) AND KATELLA AVENUE            |                        |                       |           |
| DATE OF SURVEY: FEBRUARY, 2019                                                                                   | BY: JRUSO AND PARTY    | SHEET NO.             |           |
| TOPOGRAPHIC MAPPING                                                                                              | BY: RODOLFO BELTRAN    | 4 <sup>th</sup> of 11 |           |
| OFFICE CHECK                                                                                                     | BY: MICHAEL LAFONTAINE |                       |           |
| FIELD CHECK                                                                                                      | BY:                    |                       |           |
| SCALE: 1" = 30'                                                                                                  | W.O.# EF21307          |                       |           |
| FILE:ROSSMOOR RETARDING BASIN TOPO.DWG                                                                           | PID                    |                       |           |
| MARK                                                                                                             | DATE                   | ITEM                  | REVISIONS |



**SYMBOL**

DGT Gate, Double

SGT Gate, single

GRI Grate Inlet

MHHSD Manhole Storm Drain

PBXTL Pull Box Telephone

PPO Pipe Outlet/Inlet

PST Post

VLTUN Vault, Undefined

VLVGA Valve-Ctr Gas

UGOWD Utility Pole 2LT-UG Wood

**LINE PATTERN KEY**

Building Outline

Centerline

Edge of Conc

Edge of Asphalt Pavement

Fence Chain Link

Flowline

Hinge Point

Wall, Concrete

Wall, Block

**ABBREVIATIONS**

FL FLOW LINE

FS FINISHED SURFACE

PVC Polyvinylchloride Pipe

RCP Reinforced Concrete Pipe

TW TOP OF WALL

**AREA PATTERN KEY**

Concrete

Dirt

Rip Rap

CONTOUR INTERVALS =1' AND 5'

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              |  |
|                                         |  |                        |  | ROSSMOOR RETARDING BASIN                                          |  |
|                                         |  |                        |  | C01B02                                                            |  |
|                                         |  |                        |  | LOCATION: ALONG SAN GABRIEL RIVER FREEWAY (605) BETWEEN SAN DIEGO |  |
|                                         |  |                        |  | FREEWAY (405) AND KATELLA AVENUE                                  |  |
| DATE OF SURVEY: FEBRUARY, 2019          |  | BY: J. RUSSO AND PARTY |  | SHEET NO.                                                         |  |
| TOPOGRAPHIC MAPPING                     |  | BY: RODOLFO BELTRAN    |  | 5                                                                 |  |
| OFFICE CHECK                            |  | BY: MICHAEL LAFONTAINE |  | 11                                                                |  |
| FIELD CHECK                             |  | BY:                    |  |                                                                   |  |
| SCALE: 1" = 30'                         |  | W.O.# EF21307          |  | PID                                                               |  |
| FILE: ROSSMOOR RETARDING BASIN TOPO.DWG |  |                        |  |                                                                   |  |

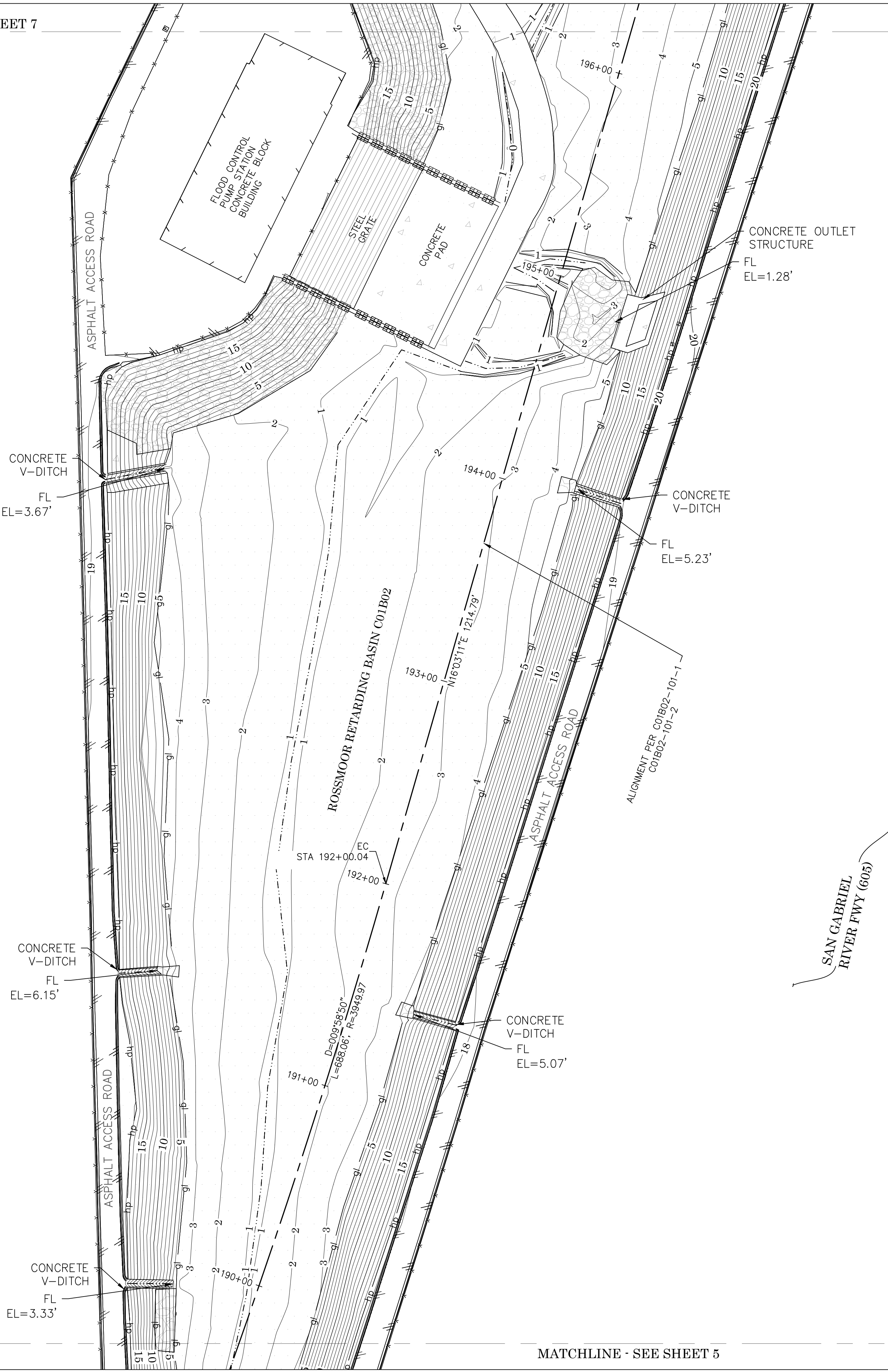
| MARK      | DATE | ITEM |
|-----------|------|------|
| REVISIONS |      |      |

MATCHLINE - SEE SHEET 7

LEGEND

| SYMBOL |                                | LINE PATTERN KEY |                          |
|--------|--------------------------------|------------------|--------------------------|
|        | DGT Gate, Double               |                  | Building Outline         |
|        | SGT Gate, single               |                  | Centerline               |
|        | GRI Grate Inlet                |                  | Edge of Conc             |
|        | MHSD Manhole Storm Drain       |                  | Edge of Asphalt Pavement |
|        | PBXTL Pull Box Telephone       |                  | Fence Chain Link         |
|        | PPO Pipe Outlet/Inlet          |                  | Flowline                 |
|        | PST Post                       |                  | Hinge Point              |
|        | VLTUN Vault, Undefined         |                  | Wall, Concrete           |
|        | VLVGA Valve-Ctr Gas            |                  | Wall, Block              |
|        | UGOWD Utility Pole 2LT-UG Wood |                  |                          |

| ABBREVIATIONS |                          | AREA PATTERN KEY |          |
|---------------|--------------------------|------------------|----------|
| FL            | FLOW LINE                |                  | Concrete |
| FS            | FINISHED SURFACE         |                  | Dirt     |
| PVC           | Polyvinylchloride Pipe   |                  |          |
| RCP           | Reinforced Concrete Pipe |                  | Rip Rap  |
| TW            | TOP OF WALL              |                  |          |



MATCHLINE - SEE SHEET 5



CONTOUR INTERVALS =1' AND 5'

**U.S. Survey**  
*Foot*

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

|                                                                                                                  |                        |               |           |
|------------------------------------------------------------------------------------------------------------------|------------------------|---------------|-----------|
| COUNTY OF ORANGE<br>OC PUBLIC WORKS/ENGINEERING SERVICES<br>OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING |                        |               |           |
| ROSSMOOR RETARDING BASIN<br>C01B02                                                                               |                        |               |           |
| LOCATION: ALONG SAN GABRIEL RIVER FREEWAY (605) BETWEEN SAN DIEGO<br>FREEWAY (405) AND KATELLA AVENUE            |                        |               |           |
| DATE OF SURVEY: FEBRUARY, 2019                                                                                   | BY: J. RUSSO AND PARTY | SHEET NO.     |           |
| TOPOGRAPHIC MAPPING                                                                                              | BY: RODOLFO BELTRAN    | 6<br>of<br>11 |           |
| OFFICE CHECK                                                                                                     | BY: MICHAEL LAFONTAINE |               |           |
| FIELD CHECK                                                                                                      | BY:                    |               |           |
| SCALE: 1" = 30'                                                                                                  | W.O.# EF21307          |               |           |
| FILE: ROSSMOOR RETARDING BASIN TOPO.DWG                                                                          | PID                    |               |           |
| MARK                                                                                                             | DATE                   | ITEM          | REVISIONS |

MATCHLINE · SEE SHEET 8

## LEGEND

### SYMBOL

|       |                          |
|-------|--------------------------|
| DGT   | Gate, Double             |
| SGT   | Gate, single             |
| GRI   | Grate Inlet              |
| MHHSD | Manhole Storm Drain      |
| PBXTL | Pull Box Telephone       |
| PPO   | Pipe Outlet/Inlet        |
| PST   | Post                     |
| VLTUN | Vault, Undefined         |
| VLVGA | Valve-Ctr Gas            |
| UGOWD | Utility Pole 2LT-UG Wood |

### LINE PATTERN KEY

|                          |
|--------------------------|
| Building Outline         |
| Centerline               |
| Edge of Conc             |
| Edge of Asphalt Pavement |
| Fence Chain Link         |
| Flowline                 |
| Hinge Point              |
| Wall, Concrete           |
| Wall, Block              |

### ABREVIATIONS

|     |                          |
|-----|--------------------------|
| FL  | FLOW LINE                |
| FS  | FINISHED SURFACE         |
| PVC | Polyvinylchloride Pipe   |
| RCP | Reinforced Concrete Pipe |
| TW  | TOP OF WALL              |

### AREA PATTERN KEY

|          |
|----------|
| Concrete |
| Dirt     |
| Rip Rap  |

CONTOUR INTERVALS =1' AND 5'

**U.S. Survey**  
*Foot*

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

FLOOD CONTROL  
PUMP STATION  
CONCRETE BLOCK  
BUILDING

CONCRETE  
V-DITCH  
FL  
EL=4.62'

FL  
EL=5.51'  
CONCRETE  
V-DITCH

CONCRETE  
ACCESS  
RAMP

ROSSMOOR RETARDING BASIN C01B02

N 6°03'11"E 1214.79'

CONCRETE  
V-DITCH  
FL  
EL=4.96'

CONCRETE  
V-DITCH  
FL  
EL=5.48'

SLOPE  
EROSION  
DIRT ACCESS  
RAMP

CONCRETE  
V-DITCH  
FL  
EL=5.92'

ALIGNMENT PER C01B02-101-1  
C01B02-101-2

MATCHLINE · SEE SHEET 6

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

## ROSSMOOR RETARDING BASIN C01B02

LOCATION: ALONG SAN GABRIEL RIVER FREEWAY (605) BETWEEN SAN DIEGO  
FREEWAY (405) AND KATELLA AVENUE

DATE OF SURVEY: FEBRUARY, 2019 BY: JRUSSO AND PARTY

TOPOGRAPHIC MAPPING BY: RODOLFO BELTRAN

OFFICE CHECK BY: MICHAEL LAFONTAINE

FIELD CHECK BY:

SCALE: 1" = 30' W.O.# EF21307 PID

FILE: ROSSMOOR RETARDING BASIN TOPO.DWG

SHEET NO.

7

of

11

MATCHLINE - SEE SHEET 9

LEGEND

SYMBOL

|       |                          |
|-------|--------------------------|
| DGT   | Gate, Double             |
| SGT   | Gate, single             |
| GRI   | Grate Inlet              |
| MHSD  | Manhole Storm Drain      |
| PBXTL | Pull Box Telephone       |
| PPO   | Pipe Outlet/Inlet        |
| PST   | Post                     |
| VLTUN | Vault, Undefined         |
| VLVGA | Valve-Ctr Gas            |
| UGOWD | Utility Pole 2LT-UG Wood |

LINE PATTERN KEY

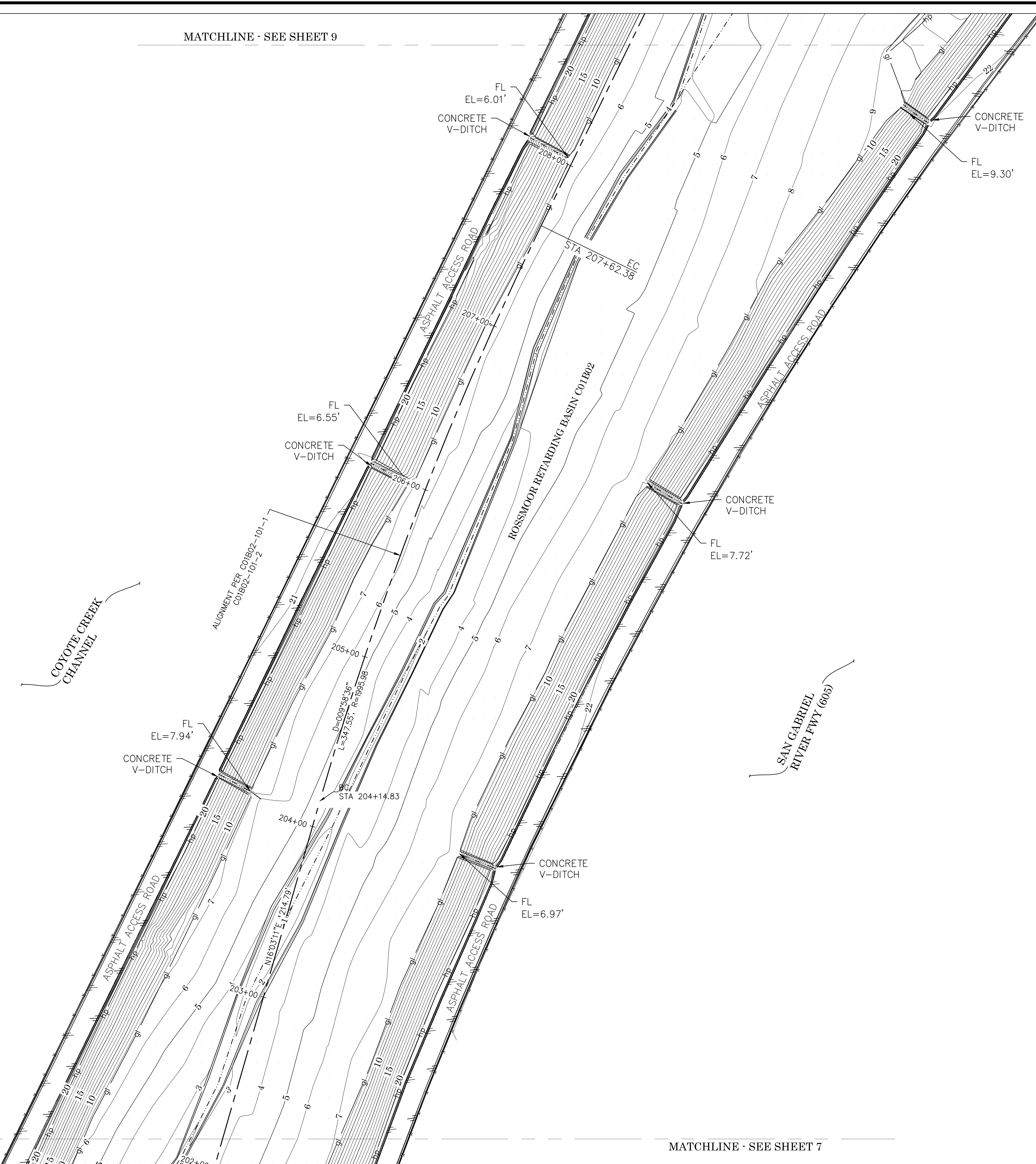
|                          |
|--------------------------|
| Building Outline         |
| Centerline               |
| Edge of Conc             |
| Edge of Asphalt Pavement |
| Fence Chain Link         |
| Flowline                 |
| Hinge Point              |
| Wall, Concrete           |
| Wall, Block              |

ABBREVIATIONS

|     |                          |
|-----|--------------------------|
| FL  | FLOW LINE                |
| FS  | FINISHED SURFACE         |
| PVC | Polyvinylchloride Pipe   |
| RCP | Reinforced Concrete Pipe |
| TW  | TOP OF WALL              |

AREA PATTERN KEY

|          |
|----------|
| Concrete |
| Dirt     |
| Rip Rap  |



MATCHLINE - SEE SHEET 7

CONTOUR INTERVALS =1' AND 5'

U.S. Survey

Foot

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

|      |      |      |                                                                                                                  |                        |                                        |  |
|------|------|------|------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------|--|
|      |      |      | COUNTY OF ORANGE<br>OC PUBLIC WORKS/ENGINEERING SERVICES<br>OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING |                        |                                        |  |
|      |      |      | ROSSMOOR RETARDING BASIN<br>C01B02                                                                               |                        |                                        |  |
|      |      |      | LOCATION: ALONG SAN GABRIEL RIVER FREEWAY (605) BETWEEN SAN DIEGO<br>FREEWAY (405) AND KATELLA AVENUE            |                        |                                        |  |
|      |      |      | DATE OF SURVEY: FEBRUARY, 2019                                                                                   | BY: J. RUSSO AND PARTY | SHEET NO.<br><br>8 <sup>of</sup><br>11 |  |
|      |      |      | TOPOGRAPHIC MAPPING                                                                                              | BY: RODOLFO BELTRAN    |                                        |  |
|      |      |      | OFFICE CHECK                                                                                                     | BY: MICHAEL LAFONTAINE |                                        |  |
|      |      |      | FIELD CHECK                                                                                                      | BY:                    |                                        |  |
|      |      |      | SCALE: 1" = 30'                                                                                                  | W.O.# EF21307          |                                        |  |
|      |      |      | FILE: ROSSMOOR RETARDING BASIN TOPO.DWG                                                                          |                        |                                        |  |
| MARK | DATE | ITEM | REVISIONS                                                                                                        |                        |                                        |  |

LEGEND

- SYMBOL**

  - DGT Gate, Double
  - SGT Gate, single
  - GRI Grate Inlet
  - MHHSD Manhole Storm Drain
  - PBXTL Pull Box Telephone
  - PPO Pipe Outlet/Inlet
  - PST Post
  - VLTUN Vault, Undefined
  - VLVGA Valve-Ctr Gas
  - UGOWD Utility Pole 2LT-UG Wood
- LINE PATTERN KEY**

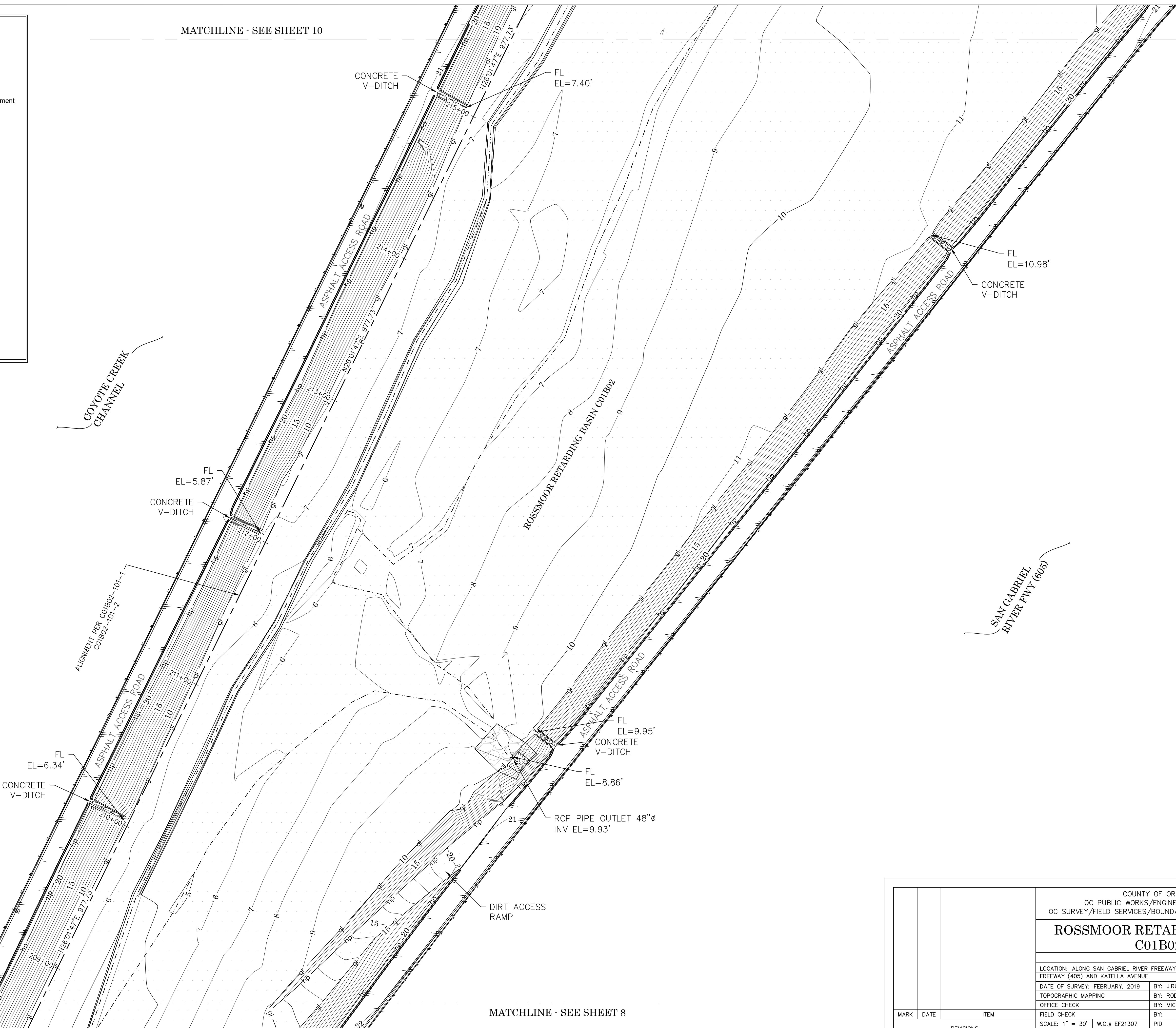
  - Building Outline
  - Centerline
  - Edge of Conc
  - Edge of Asphalt Pavement
  - Fence Chain Link
  - Flowline
  - Hinge Point
  - Wall, Concrete
  - Wall, Block

- ABBREVIATIONS**

  - FL FLOW LINE
  - FS FINISHED SURFACE
  - PVC Polyvinylchloride Pipe
  - RCP Reinforced Concrete Pipe
  - TW TOP OF WALL
- AREA PATTERN KEY**

  - Concrete
  - Dirt
  - Rip Rap

MATCHLINE - SEE SHEET 10



MATCHLINE - SEE SHEET 8

CONTOUR INTERVALS =1' AND 5'

**U.S. Survey**  
*Foot*

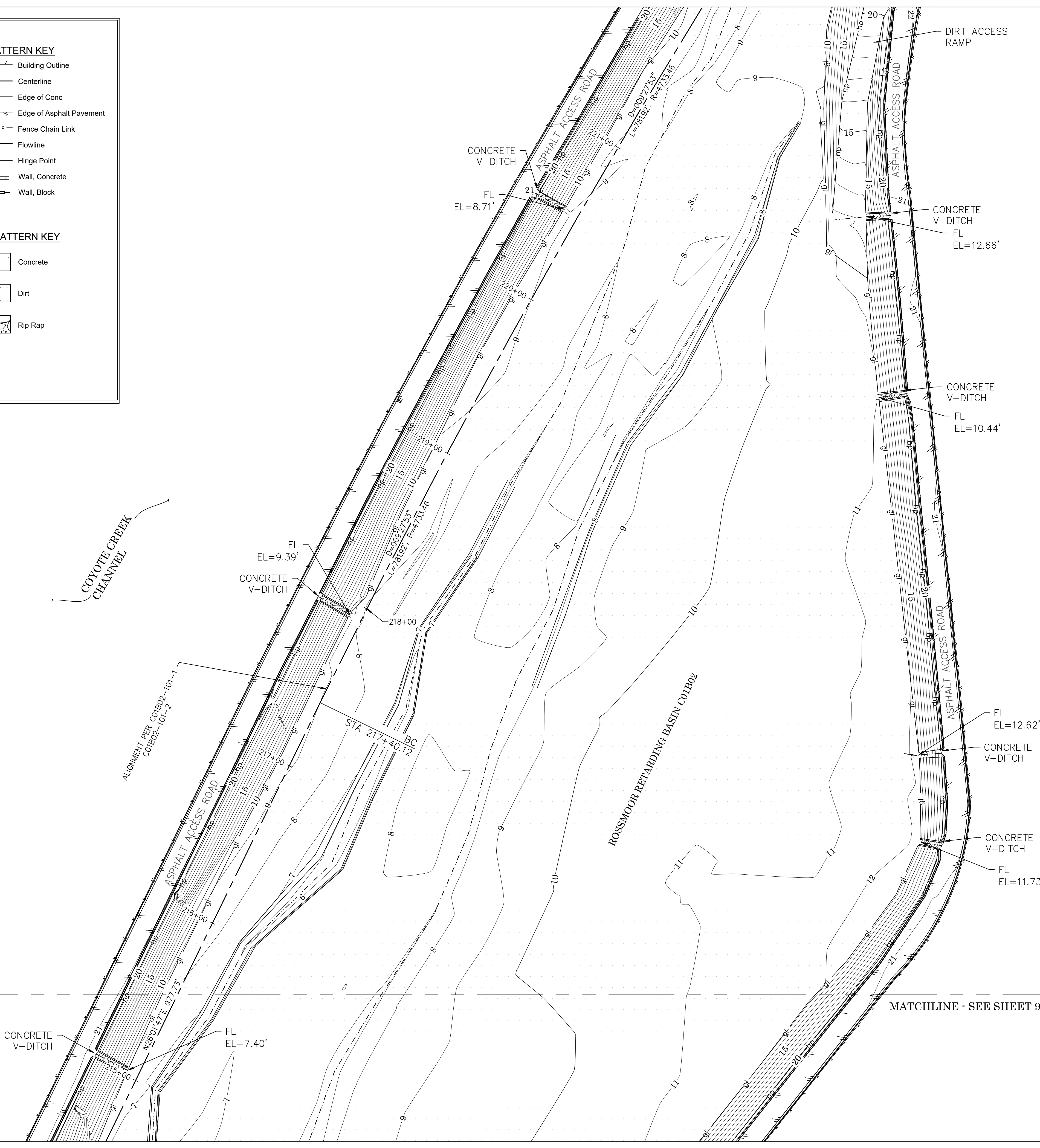
OC Public Works/Engineering Services  
OC Survey/Field Services  
Boundary Analysis & Mapping

|      |      |      |                                                                                                                  |  |                        |                                                      |
|------|------|------|------------------------------------------------------------------------------------------------------------------|--|------------------------|------------------------------------------------------|
|      |      |      | COUNTY OF ORANGE<br>OC PUBLIC WORKS/ENGINEERING SERVICES<br>OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING |  |                        |                                                      |
|      |      |      | ROSSMOOR RETARDING BASIN<br>C01B02                                                                               |  |                        |                                                      |
|      |      |      |                                                                                                                  |  |                        |                                                      |
|      |      |      | LOCATION: ALONG SAN GABRIEL RIVER FREEWAY (605) BETWEEN SAN DIEGO<br>FREEWAY (405) AND KATELLA AVENUE            |  |                        |                                                      |
|      |      |      | DATE OF SURVEY: FEBRUARY, 2019                                                                                   |  | BY: JURUSSO AND PARTY  | SHEET NO.<br><br><b>9</b> <sup>of</sup><br><b>11</b> |
|      |      |      | TOPOGRAPHIC MAPPING                                                                                              |  | BY: RODOLFO BELTRAN    |                                                      |
|      |      |      | OFFICE CHECK                                                                                                     |  | BY: MICHAEL LAFONTAINE |                                                      |
|      |      |      | FIELD CHECK                                                                                                      |  | BY:                    |                                                      |
|      |      |      | SCALE: 1" = 30'                                                                                                  |  | PID                    |                                                      |
|      |      |      | FILE:ROSSMOOR RETARDING BASIN TOPO.DWG                                                                           |  |                        |                                                      |
| MARK | DATE | ITEM | REVISIONS                                                                                                        |  |                        |                                                      |

LEGEND

| SYMBOL |                          | LINE PATTERN KEY         |                  |
|--------|--------------------------|--------------------------|------------------|
| DGT    | Gate, Double             | Building Outline         |                  |
| SGT    | Gate, single             | Centerline               |                  |
| GRI    | Grate Inlet              | Edge of Conc             |                  |
| MHSD   | Manhole Storm Drain      | Edge of Asphalt Pavement |                  |
| PBXTL  | Pull Box Telephone       | X X                      | Fence Chain Link |
| PPO    | Pipe Outlet/Inlet        | Flowline                 |                  |
| PST    | Post                     | hp                       | Hinge Point      |
| VLTUN  | Vault, Undefined         | Wall, Concrete           |                  |
| VLVGA  | Valve-Ctr Gas            | Wall, Block              |                  |
| UGOWD  | Utility Pole 2LT-UG Wood |                          |                  |

| ABREVIATIONS |                          | AREA PATTERN KEY |  |
|--------------|--------------------------|------------------|--|
| FL           | FLOW LINE                | Concrete         |  |
| FS           | FINISHED SURFACE         | Dirt             |  |
| PVC          | Polyvinylchloride Pipe   | Rip Rap          |  |
| RCP          | Reinforced Concrete Pipe |                  |  |
| TW           | TOP OF WALL              |                  |  |



MATCHLINE - SEE SHEET 11

MATCHLINE - SEE SHEET 9

CONTOUR INTERVALS =1' AND 5'

U.S. Survey

Foot

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

|           |      |      |                                                                                                                  |                                                                                    |
|-----------|------|------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|           |      |      | COUNTY OF ORANGE<br>OC PUBLIC WORKS/ENGINEERING SERVICES<br>OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING |                                                                                    |
|           |      |      | ROSSMOOR RETARDING BASIN<br>C01B02                                                                               |                                                                                    |
|           |      |      | LOCATION: ALONG SAN GABRIEL RIVER FREEWAY (605) BETWEEN SAN DIEGO<br>FREEWAY (405) AND KATELLA AVENUE            |                                                                                    |
|           |      |      | DATE OF SURVEY: FEBRUARY, 2019<br>TOPOGRAPHIC MAPPING<br>OFFICE CHECK<br>FIELD CHECK                             | BY: J. RUSSO AND PARTY<br>BY: RODOLFO BELTRAN<br>BY: MICHAEL LAFONTAINE<br>BY: PID |
| MARK      | DATE | ITEM | SCALE: 1" = 30'<br>FILE: ROSSMOOR RETARDING BASIN TOPO.DWG                                                       | SHEET NO.<br>10 of 11                                                              |
| REVISIONS |      |      |                                                                                                                  |                                                                                    |

LEGEND

SYMBOL

- DGT

Gate, Double
- SGT

Gate, single
- GRI

Grate Inlet
- MHSD

Manhole Storm Drain
- PBXTL

Pull Box Telephone
- PPO

Pipe Outlet/Inlet
- PST

Post
- VLTUN

Vault, Undefined
- VLGA

Valve-Ctr Gas
- UGOWD

Utility Pole 2LT-UG Wood

LINE PATTERN KEY

- Building Outline
- Centerline
- Edge of Conc
- Edge of Asphalt Pavement
- X X

Fence Chain Link
- Flowline
- hp

Hinge Point
- Wall, Concrete
- Wall, Block

ABBREVIATIONS

- FL

FLOW LINE
- FS

FINISHED SURFACE
- PVC

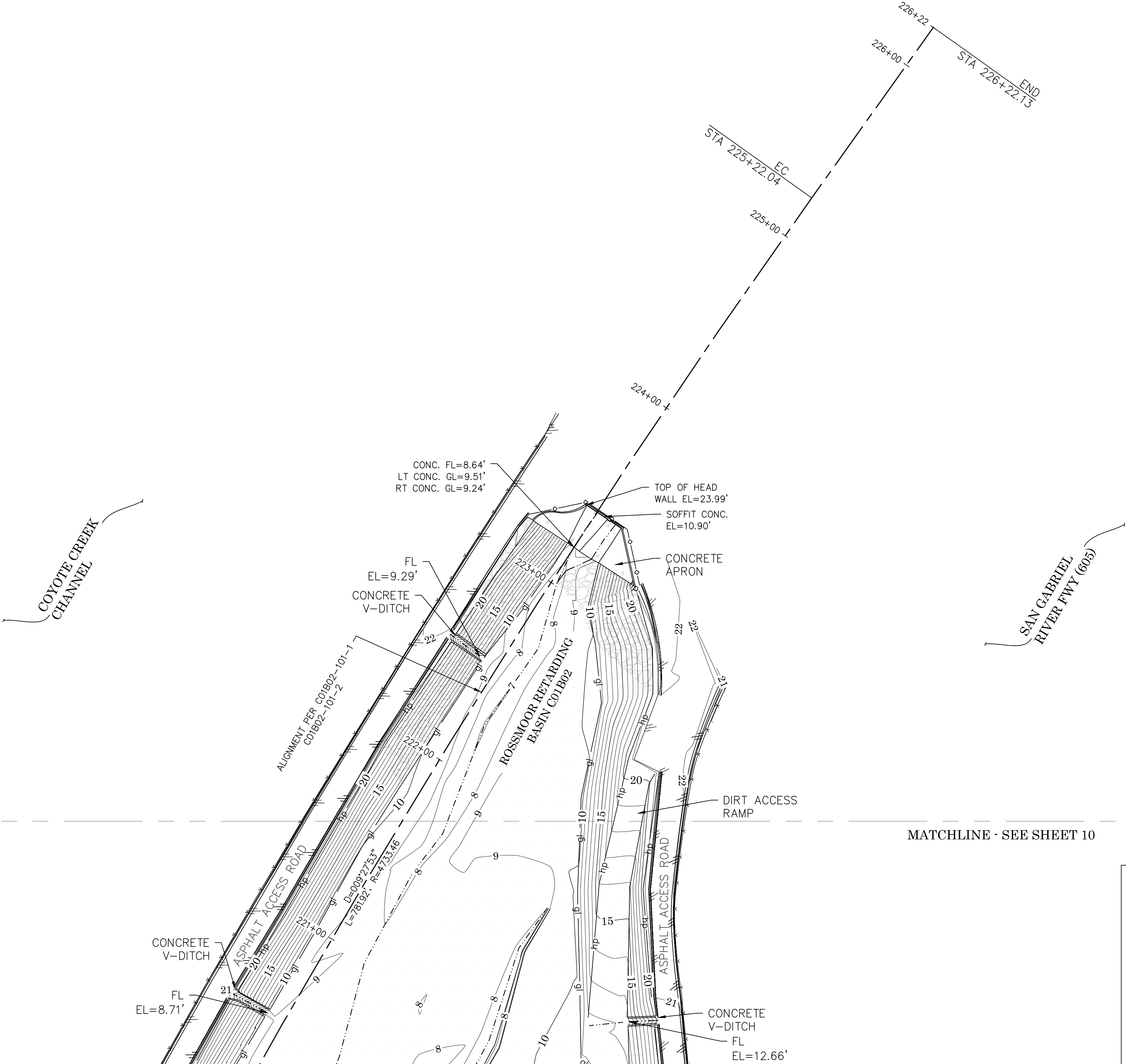
Polyvinylchloride Pipe
- RCP

Reinforced Concrete Pipe
- TW

TOP OF WALL

AREA PATTERN KEY

- Concrete
- Dirt
- Rip Rap



CONTOUR INTERVALS =1' AND 5'

U.S. Survey

Foot

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

|                               |      |                                                                                                                  |                                        |                        |               |  |
|-------------------------------|------|------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------|---------------|--|
|                               |      | COUNTY OF ORANGE<br>OC PUBLIC WORKS/ENGINEERING SERVICES<br>OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING |                                        |                        |               |  |
|                               |      | ROSSMOOR RETARDING BASIN<br>C01B02                                                                               |                                        |                        |               |  |
|                               |      | LOCATION: ALONG SAN GABRIEL RIVER FREEWAY (605) BETWEEN SAN DIEGO<br>FREEWAY (405) AND KATELLA AVENUE            |                                        |                        |               |  |
|                               |      | DATE OF SURVEY: FEBRUARY, 2019                                                                                   |                                        | BY: J.RUSSO AND PARTY  |               |  |
|                               |      | TOPOGRAPHIC MAPPING                                                                                              |                                        | BY: RODOLFO BELTRAN    |               |  |
|                               |      | OFFICE CHECK                                                                                                     |                                        | BY: MICHAEL LAFONTAINE |               |  |
|                               |      | FIELD CHECK                                                                                                      |                                        | BY:                    |               |  |
| MARK                          | DATE | ITEM                                                                                                             | SCALE: 1" = 30'                        |                        | W.O.# EF21307 |  |
|                               |      |                                                                                                                  | PID                                    |                        |               |  |
| REVISIONS                     |      |                                                                                                                  | FILE:ROSSMOOR RETARDING BASIN TOPO.DWG |                        |               |  |
| SHEET NO. 11 <sup>of</sup> 11 |      |                                                                                                                  |                                        |                        |               |  |