TYPICAL STRUCTURAL SECTIONS

1. 600 mm IMPORTED TOP SOIL
2. 60 mm AC TYPE B
3. 210 mm CLASS 2 AB

TYPICAL CROSS SECTION
PULLOFF AREA

EXISTING FL
300 mm
60 mm AC
5+3%

3.36
210 mm CLASS 2 BASE

PULLOUT AREA CROSS SECTION
N 605/91 INTERCHANGE

EXISTING FL
300 mm
60 mm AC
5+2%

3.36
210 mm CLASS 2 BASE

AC DIKE TYPE C

BIOFILTRATION STRIP
N 605/91 INTERCHANGE

WP2 CCO 2

200 mm TOP SOIL
600 mm TOP SOIL

8.00
5+2%

WPI CCO 2

STAINLESS STEEL WIRE PLATE

BIODREDICATION STRIP

WPI CCO 8

BIODREDICATION STRIP & INFILTRATION TRENCH
ALTADENA MAINTENANCE STATION

AS - BUILT
TYPICAL CROSS SECTIONS

NO SCALE

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

X-2
NOTE:
1. DRILL IN #9 x 300 mm W/ EPOXY GROUT
   300 mm Embedment in Wall.
2. DRILL IN #10 x 300 mm W/ EPOXY GROUT
   300 mm Embedment in Slab.

SECTION A-A

PLAN

AS-BUILT CONSTRUCTION DETAILS

STORAGE BAYS
ALTADENA MAINTENANCE STATION

WPI CCO 10

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

NO SCALE
QUADPOST

TYPICAL VALLEY GUTTER

VARIES SEE LAYOUT DRAWINGS

VARIES SEE FL. EL. ON
DRAINAGE PLANS

121 mm
12 mm

121 mm

VARIES SEE FL. EL. ON
DRAINAGE PLANS

100 mm
200 mm

TYPICAL EARTH SWALE

SAY CUT AC AT FL

R = 4 mm

200 mm

FILTER FABRIC ALL AROUND

200 mm

CURB DETAIL FOR BIOFILTRATION STRIP 605/91

RSP BACKING NO. 3 METHOD B

AS - BUILT

DRAINAGE DETAILS

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

NO SCALE
457 H-FLUME (MOD) STRUCTURE

305 H-FLUME (MOD) STRUCTURE

LYSIMETER DETAIL

AS - BUILT
DRAINAGE DETAILS

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

NO SCALE

D-19
457 H-FLUME (MOD) STRUCTURE
ALTADENA MAINTENANCE STATION

PLAN

SECTION D-D

SECTION E-E

FRP H-FLUME #7D-457 TO BE LOCATED PRIOR TO PLACING CONCRETE

457 H-FLUME STRUCTURE
ALTADENA MAINTENANCE STATION

AS - BUILT
DRAINAGE DETAILS

NO SCALE

D-21
### DRAINAGE QUANTITIES

| DRAINAGE SHEET NO. | DRAINAGE NO. | DRAIN | VALLEY GUTTER | TRANSITION STRUCTURE | CONCRETE SPREADER DITCH | BIOFILTRATION STRIP | CONCRETE COLLECTION DITCH | CONCRETE INFILTRATION TRENCH | OVERFLOW DRAIN | HEADWALL RSP DISSEMINATOR | TRANSITION STRUCTURE | CONCRETE LINING DITCH | BIOFILTRATION SWALE | SFP TRANSITION | RSP BACKING F3 METHOD B | VALLEY GUTTER | LID INLET | REMOVE EXIST INLET | ABANDON EXIST PIPE | HEADWALL RSP DISSEMINATOR | CONCRETE LINING DITCH | BIOFILTRATION SWALE | SFP TRANSITION | REMOVE HEADWALL | 200MM PVC ELBOW | FLARED END SECTION (FEST) | RSP ENERGY DISINFECTION | TRANSITION STRUCTURE | CONCRETE LINING DITCH | BIOFILTRATION SWALE | SFP TRANSITION | AS - BUILT |
|-------------------|-------------|-------------------|-----------------|-----------------------|--------------------------|---------------------|---------------------------|-----------------------------|---------------|---------------------------|----------------------|------------------------|----------------------|----------------|----------------------|-----------------|-----------------|----------------------|---------------|--------------------------|------------------------|---------------------|----------------------|----------------------|------------------|----------------|--------|
| 1                 | c           | 4,470             | 39              | 1                     | 1                        | 1                   | 3                        | 6                          | 150           | 1                          | 1                     | 1                      | 1                    | 1              | 1                    | 1               | 1               | 1                    | 1             | 1                       | 1                     | 1                   | 1                    | 1              | 1               | 1               |
| 2                 | d           | 480               | 1,825           | 1                     | 1                        | 1                   | 1                        | 6                          | 150           | 1                          | 1                     | 1                      | 1                    | 1              | 1                    | 1               | 1               | 1                    | 1             | 1                       | 1                     | 1                   | 1                    | 1              | 1               | 1               |
| 3                 | e           | 60                | 1               | 1                     | 1                        | 1                   | 1                        | 6                          | 150           | 1                          | 1                     | 1                      | 1                    | 1              | 1                    | 1               | 1               | 1                    | 1             | 1                       | 1                     | 1                   | 1                    | 1              | 1               | 1               |
| 4                 | f           | 3,0               | 1               | 1                     | 1                        | 1                   | 1                        | 6                          | 150           | 1                          | 1                     | 1                      | 1                    | 1              | 1                    | 1               | 1               | 1                    | 1             | 1                       | 1                     | 1                   | 1                    | 1              | 1               | 1               |
| 5                 | g           | 1                 | 1               | 1                     | 1                        | 1                   | 1                        | 6                          | 150           | 1                          | 1                     | 1                      | 1                    | 1              | 1                    | 1               | 1               | 1                    | 1             | 1                       | 1                     | 1                   | 1                    | 1              | 1               | 1               |
| 6                 | h           | 1                 | 1               | 1                     | 1                        | 1                   | 1                        | 6                          | 150           | 1                          | 1                     | 1                      | 1                    | 1              | 1                    | 1               | 1               | 1                    | 1             | 1                       | 1                     | 1                   | 1                    | 1              | 1               | 1               |
| 7                 | i           | 1                 | 1               | 1                     | 1                        | 1                   | 1                        | 6                          | 150           | 1                          | 1                     | 1                      | 1                    | 1              | 1                    | 1               | 1               | 1                    | 1             | 1                       | 1                     | 1                   | 1                    | 1              | 1               | 1               |

### Sheet Notes
- All dimensions are in meters unless otherwise shown.
- Not a separate pay item. For information only.

- D-22
- AS - BUILT
### PLACE ASPHALT CONCRETE DIKE

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>TYPE E</th>
<th>TYPE C</th>
<th>m³</th>
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<tbody>
<tr>
<td>S 5/605 INTERCHANGE</td>
<td>1.00</td>
<td>0.00</td>
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<tr>
<td>N 605/CARSON &amp; DEL AMO INTERCHANGE</td>
<td>0.58</td>
<td>0.57</td>
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<td>N 605/91 INTERCHANGE</td>
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### CHAIN LINK FENCE

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<tr>
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### MINOR CONCRETE (MINOR STRUCTURE)

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<td>S 5/605 INTERCHANGE</td>
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<tr>
<td>N 605/CARSON &amp; DEL AMO INTERCHANGE</td>
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</tr>
<tr>
<td>Foothill Maintenance Station</td>
<td>5.7</td>
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<tr>
<td>Las Flores Maintenance Station</td>
<td>5.4</td>
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<td>Rosemead Maintenance Station</td>
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### 1.5 M CHAIN LINK GATE

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### REMOVE AC DIKE

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<td>N 605/CARSON &amp; DEL AMO INTERCHANGE</td>
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### 3 M CHAIN LINK GATE

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<td>1.00</td>
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<tr>
<td><strong>TOTAL</strong></td>
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**AS-BUILT SUMMARY OF QUANTITIES**

All dimensions are in meters unless otherwise shown. No scale.
NOTES TO CONTRACTOR

1. FIELD CONFIGURATION OF FINAL EQUIPMENT AND TERMINATIONS IS RECORDED BY CONTRACTOR.
2. SEE E-9 FOR TYPICAL SINGLE LINE DRAWING.

CONDUIT NOTES:

- **NOT USED**
- **50 mm PCV SCH 40, 2 *10 + 1 *10 GRID**
- **100 mm PCV SCH 40, EMPTY**

ALTOONA MAINTENANCE STATION

EQUIPMENT HOUSING LOCATION
(SEE E-9 FOR DETAILS)

INSTRUMENT CONDUIT STUB-UP
(SEE E-9 FOR DETAILS)

WPI CCD 2

EXISTING ELECTRICAL EQUIPMENT
SEE NOTE [ ]
NOTES TO CONTRACTOR

1. FIELD CONFIRMATION OF FINAL EQUIPMENT AND TERMINATIONS IS REQUIRED BY CONTRACTOR.
2. SEE E-9 FOR TYPICAL SINGLE LINE DRAWING.

CONDUIT NOTES:

- NOT USED
- 50 mm PCV SCH 40, 2 • 10 + 1 • 10 GRD
- 100 mm PCV SCH 40, EMPTY
- 25 mm PCV SCH 40, 2 • 10 + 1 • 10 GRD

ALTADENA MAINTENANCE STATION

EQUIPMENT HOUSING LOCATION
(SEE E-9 FOR DETAILS)

INSTRUMENT CONDUIT STUB-UP
(SEE E-9 FOR DETAILS)

EXISTING ELECTRICAL EQUIPMENT
SEE NOTE 1

AS-BUILT
ELECTRICAL PLAN
SCALE 1:200
E-1
POWER CONDUIT RISER
THIS CONDUIT REQUIRED
FOR ALL 120 VOLT POWERED
SITES. SEE E-1, 3, 8, 7, 81

CONCRETE SLAB

FLOW MEASURING & SAMPLE BOX

BOTTOM EDGE OF ENCLOSURE

CONCRETE PAD

610 mm SWEEP

LOAD CONDUIT

50 mm OD LOAD CONDUIT

50 mm OD 100 mm OD

WEATHER PROOF RECEPTACLE W/ GFCI

WEATHER PROOF DUAL RECEPTACLES W/ GFCI

120 VOLT
1-P 15 AMP

50 mm PVC 2 *10 + 1 *10 CRO

INSTRUMENTATION CONDUIT STUB-UP

AS - BUILT
ELECTRICAL DETAILS

NO SCALE

E-9

TYPICAL SINGLE LINE
1. CONTRACTOR TO IDENTIFY/INSTALL PANEL
   WITH BREAKER TO SERVICE INSTRUMENT.
2. GENERAL AREA IDENTIFIED ON ELECTRICAL SITE
   PLAN FOR POWER TAKE-OFF.
3. SEE SECTION C-C FOR RECEPTACLE DETAILS.