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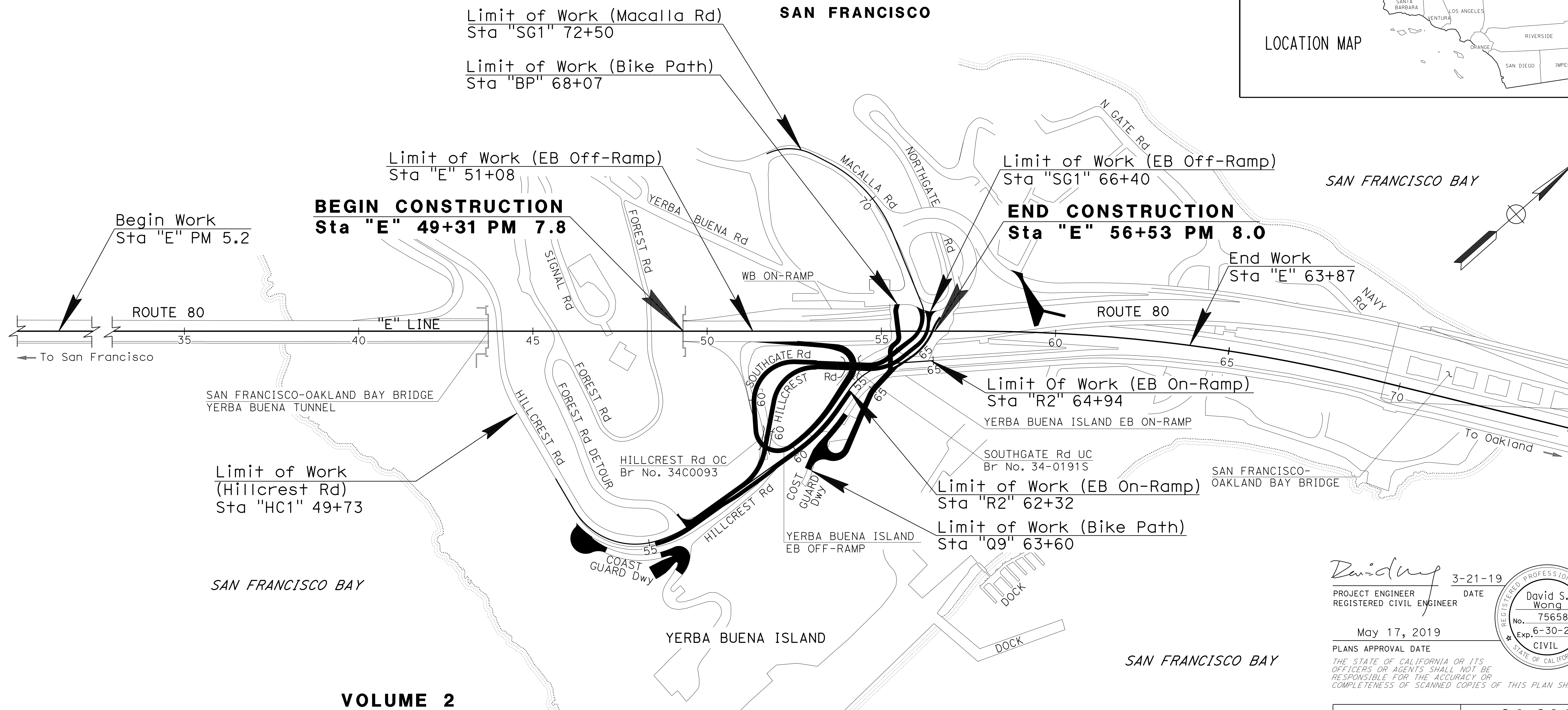
| SHEET No. | DESCRIPTION |
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STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN THE CITY AND COUNTY OF SAN FRANCISCO
FROM THE YERBA BUENA TUNNEL
TO 0.2 MILE EAST OF THE YERBA BUENA TUNNEL

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2018

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 04 | SF | 80 | 7.8/8.0 | 1 | 37 |

LOCATION MAP



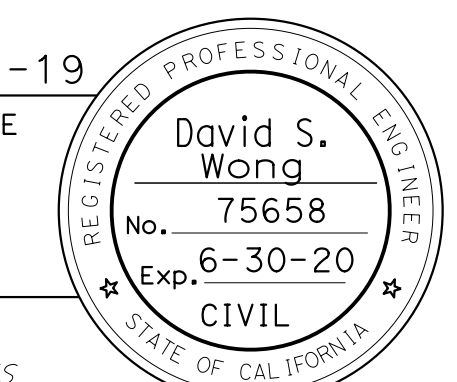
BEGIN CONSTRUCTION
Sta "E" 49+31 PM 7.8

END CONSTRUCTION
Sta "E" 56+53 PM 8.0

VOLUME 2

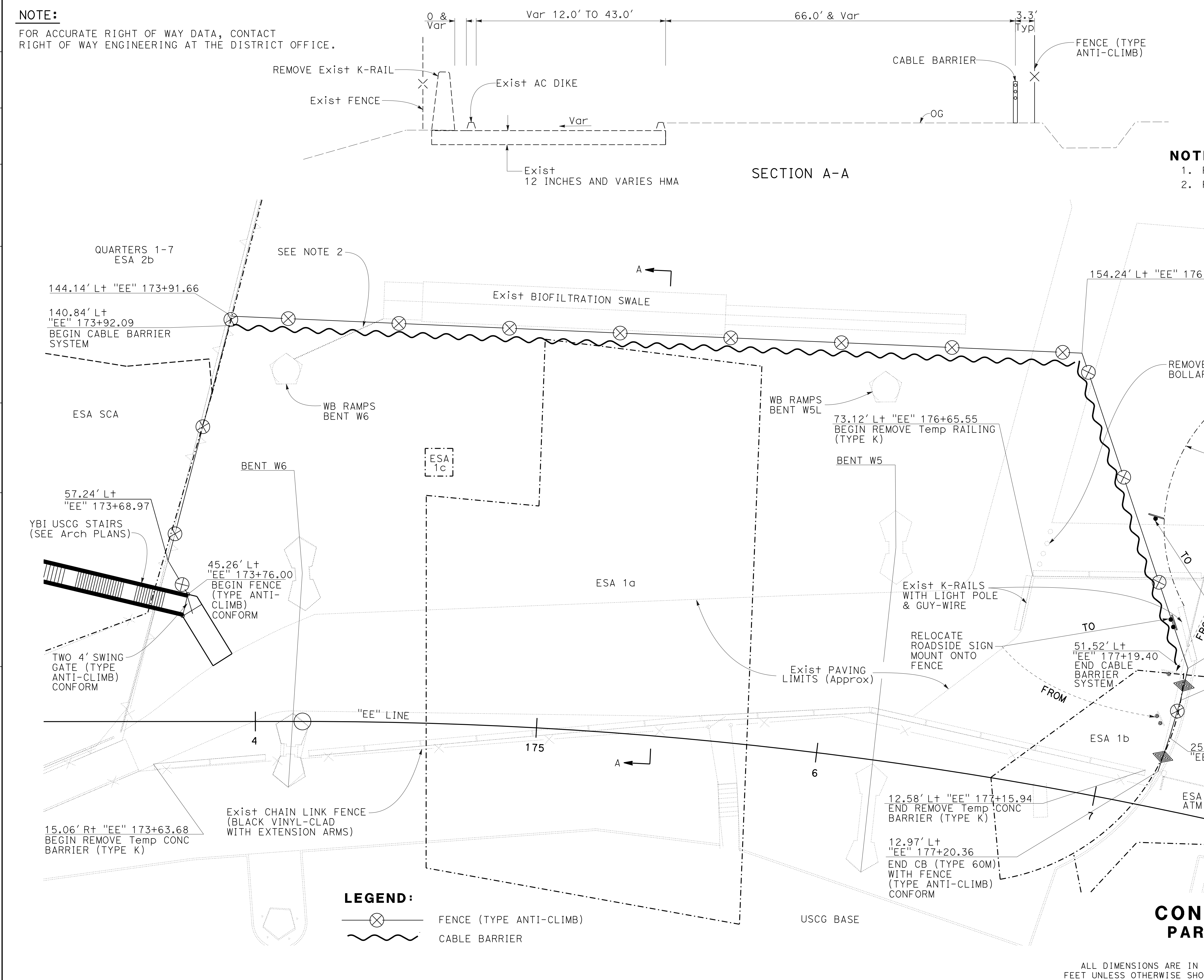
NO SCALE

PROJECT ENGINEER REGISTERED CIVIL ENGINEER
 DATE: 3-21-19
 May 17, 2019
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



| | |
|--------------|-------------------|
| CONTRACT No. | 04-3A6414 |
| PROJECT ID | 0419000153 |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans SPECIAL PROJECTS



NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 04 | SF | 80 | 7.8/8.0 | 2 | 37 |

REGISTERED CIVIL ENGINEER DATE 10-22-18
 David S. Wong
 No. 75658
 Exp. 6-30-20
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE May 17, 2019

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:
 1. RELOCATE TWO SIGNS NEAR USCG ENTRANCE.
 2. PROTECT Exist Conc V-DITCH IN PLACE.

LEGEND:
 ⊗ FENCE (TYPE ANTI-CLIMB)
 ~~~~~ CABLE BARRIER

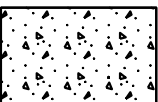
**CONSTRUCTION DETAILS  
 PARADE GROUNDS FENCING**  
 NO SCALE


ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN

**C-1**

**NOTE:**  
FOR ACCURATE RIGHT OF WAY DATA, CONTACT  
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

**LEGEND:**  
(THIS SHEET ONLY)

 EXPOSED AGGREGATE FINISH

 REMOVE Exist CONCRETE  
SIDEWALK AND CURB

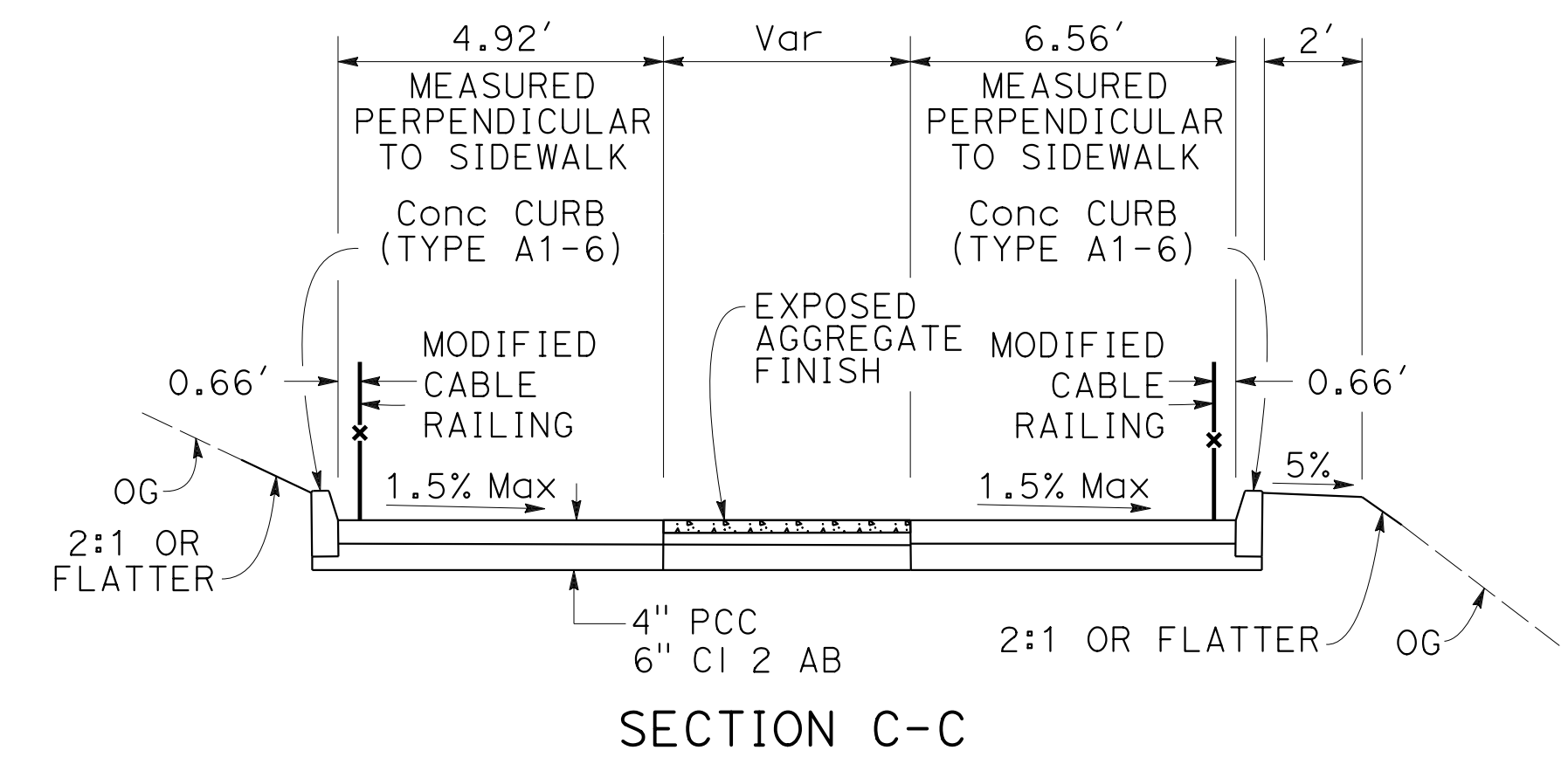
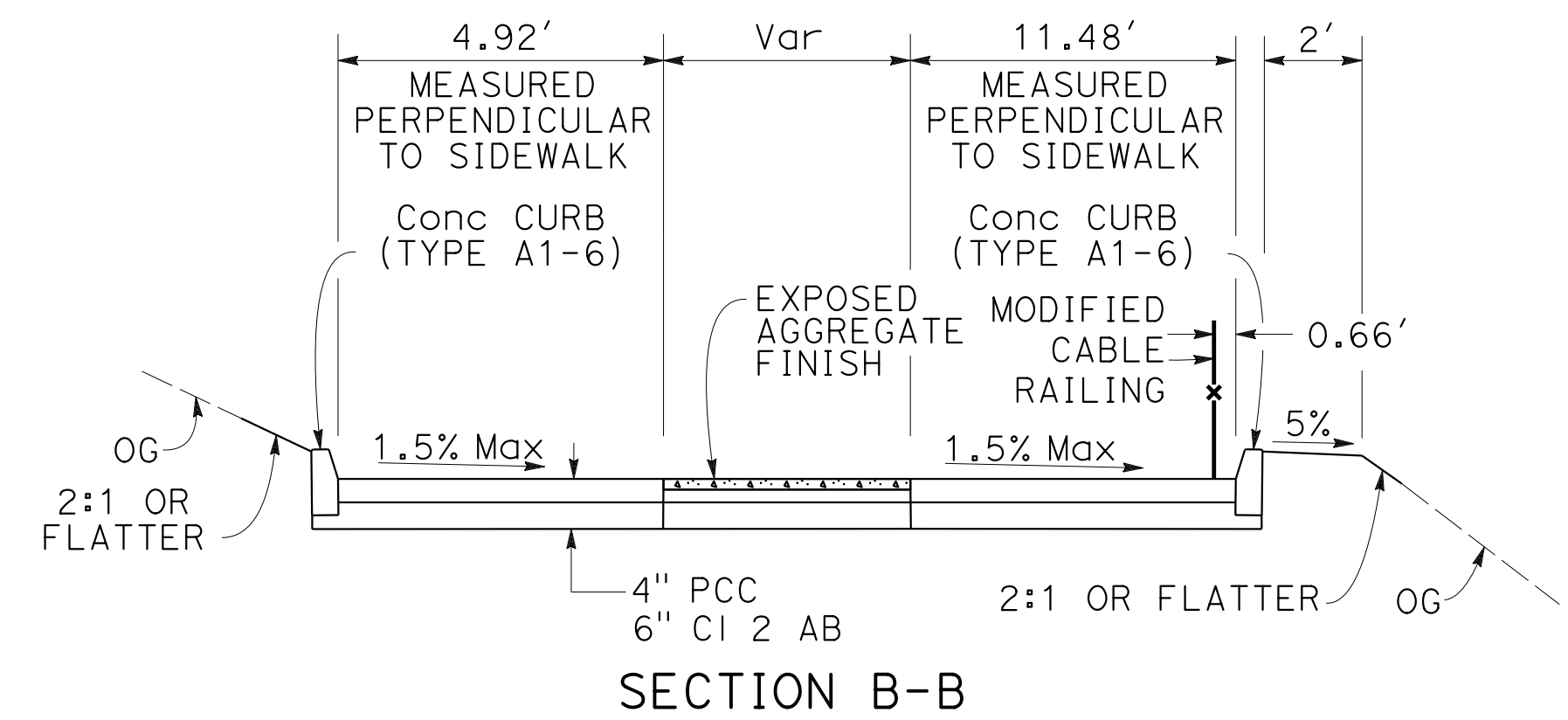
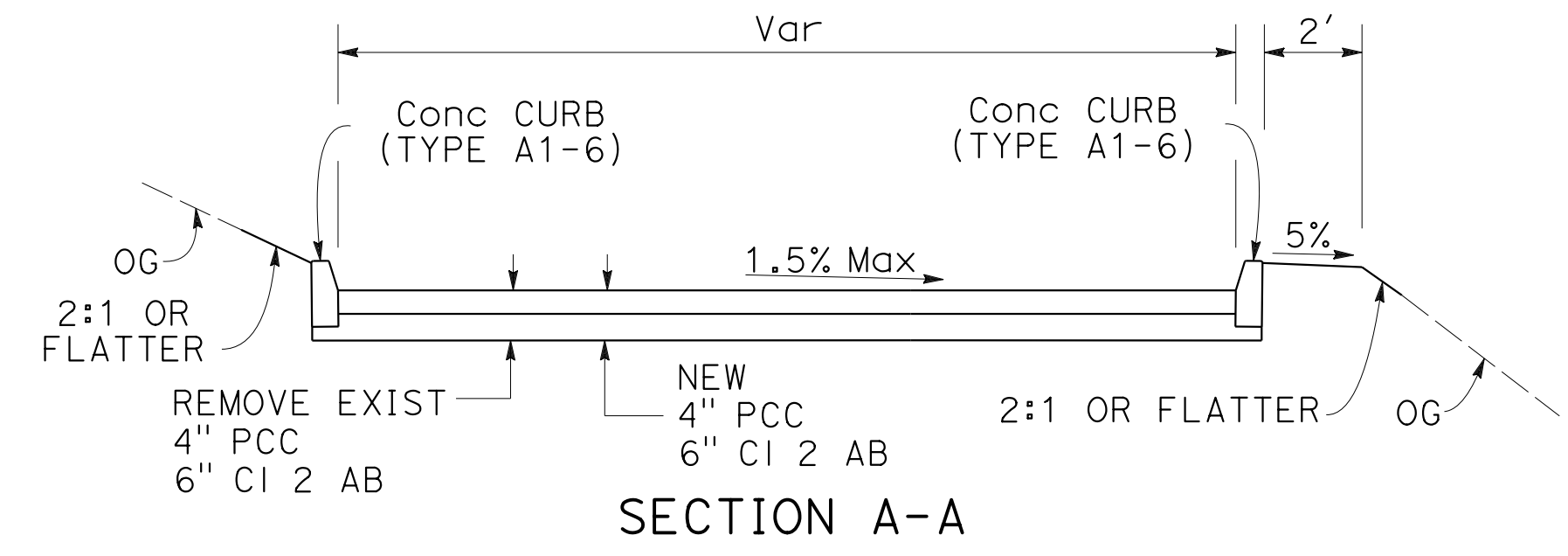
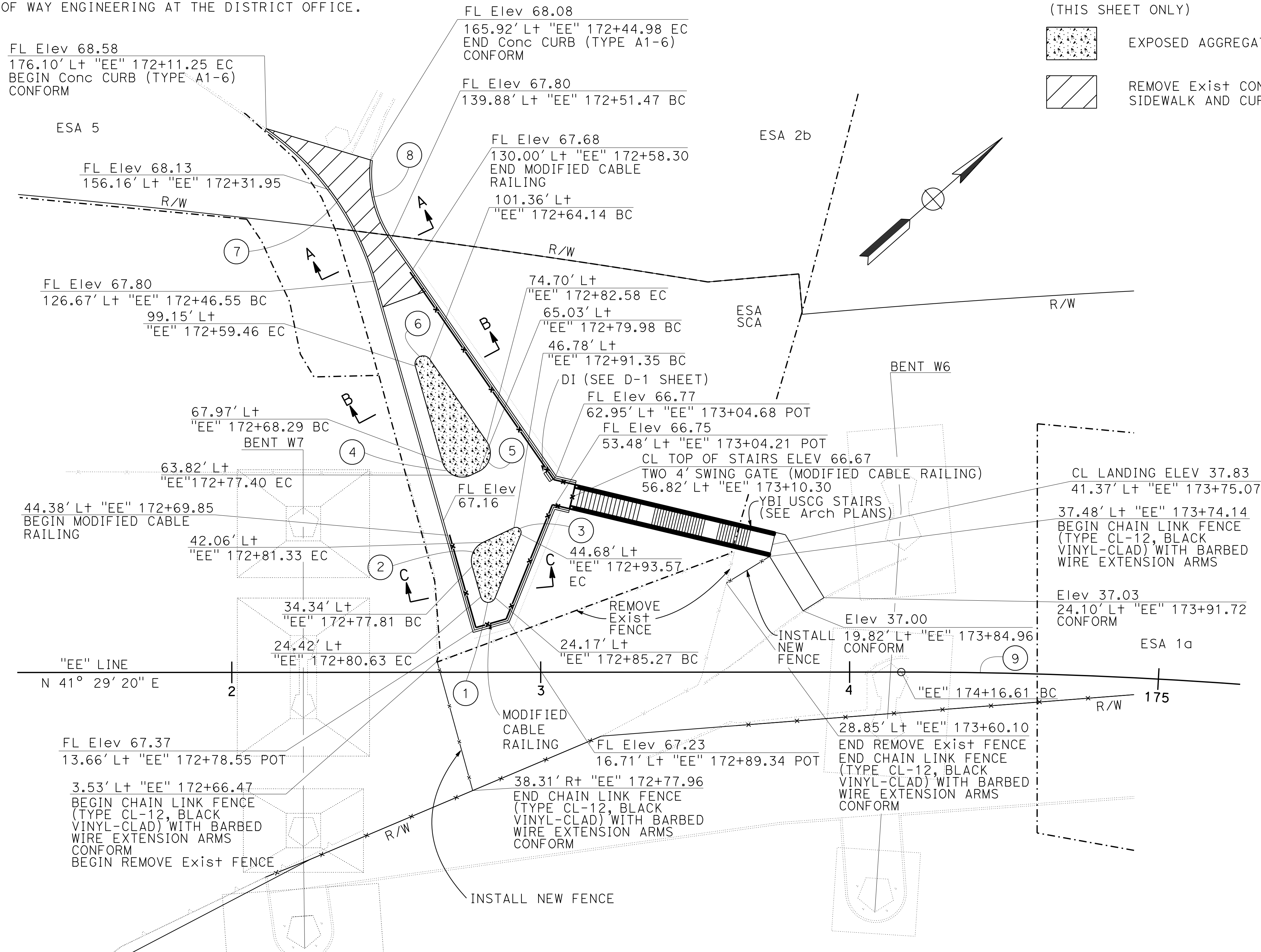
|      |        |       |                             |              |                 |
|------|--------|-------|-----------------------------|--------------|-----------------|
| Dist | COUNTY | ROUTE | POST MILES<br>TOTAL PROJECT | SHEET<br>No. | TOTAL<br>SHEETS |
| 04   | SF     | 80    | 7.8/8.0                     | 3            | 37              |

REGISTERED CIVIL ENGINEER DATE 1-22-19  
*David S. Wong*

May 17, 2019  
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
David S. Wong  
No. 75658  
Exp. 6-30-20  
CIVIL  
STATE OF CALIFORNIA

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**SUNDIAL PLAZA  
(NIMITZ PLATEAU)  
PLAN**

**CURVE DATA**

| No. | ⊕ | R         | Δ          | T       | L       |
|-----|---|-----------|------------|---------|---------|
| 1   |   | 2.46'     | 142°09'54" | 7.18'   | 6.11'   |
| 2   |   | 6.56'     | 80°34'14"  | 5.56'   | 9.23'   |
| 3   |   | 1.64'     | 137°15'52" | 4.19'   | 3.93'   |
| 4   |   | 6.56'     | 99°25'46"  | 7.74'   | 11.39'  |
| 5   |   | 6.56'     | 99°25'46"  | 7.74'   | 11.39'  |
| 6   |   | 2.62'     | 161°08'29" | 15.81'  | 7.38'   |
| 7   |   | 90.00'    | 39°26'37"  | 32.26'  | 61.96'  |
| 8   |   | 38.00'    | 41°21'27"  | 14.34'  | 27.43'  |
| 9   |   | 1,499.86' | 27°30'42"  | 367.17' | 720.18' |

ALL DIMENSIONS ARE IN  
FEET UNLESS OTHERWISE SHOWN  
**CONSTRUCTION DETAILS**  
**SUNDIAL PLAZA**  
SCALE 1"=20'

FOR NOTES, ABBREVIATIONS  
&/OR LEGEND, SEE SHEET C-1

REVISOR: DAVID S WONG, BRIAN WOOD, GORDON W JEONG  
CALCULATED/DESIGNED BY: GORDON W JEONG  
CHECKED BY: GORDON W JEONG  
FUNCTIONAL SUPERVISOR: GORDON W JEONG  
DEPARTMENT OF TRANSPORTATION  
SPECIAL PROJECTS

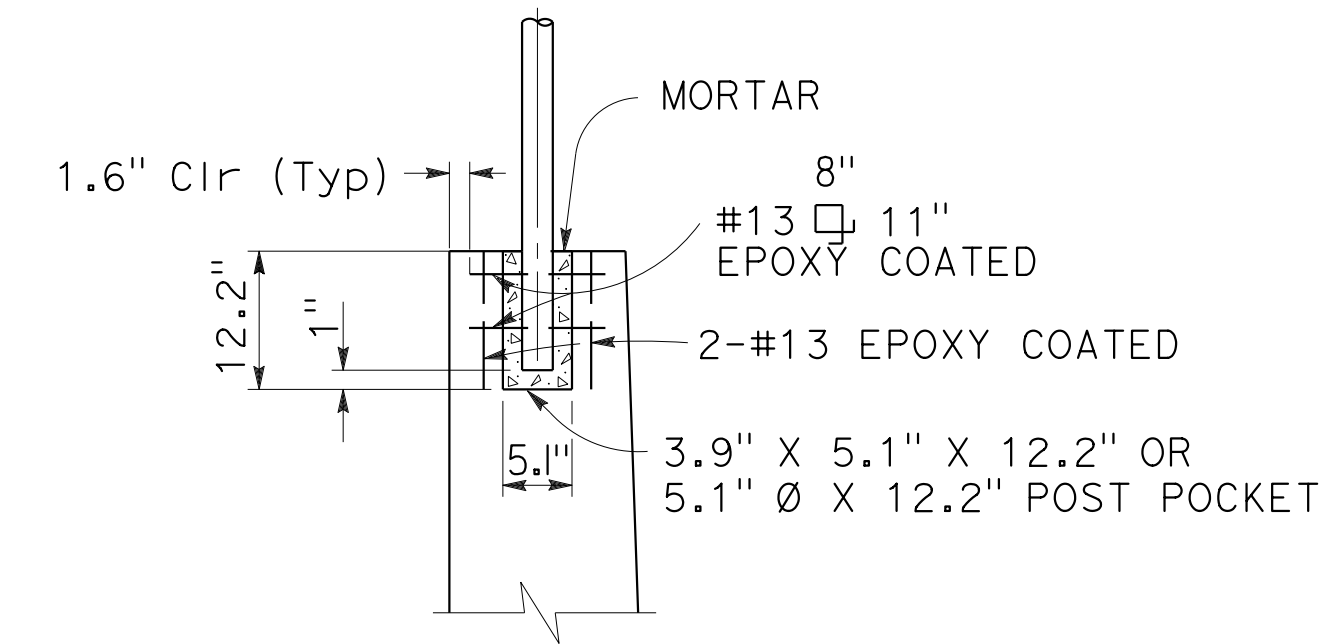
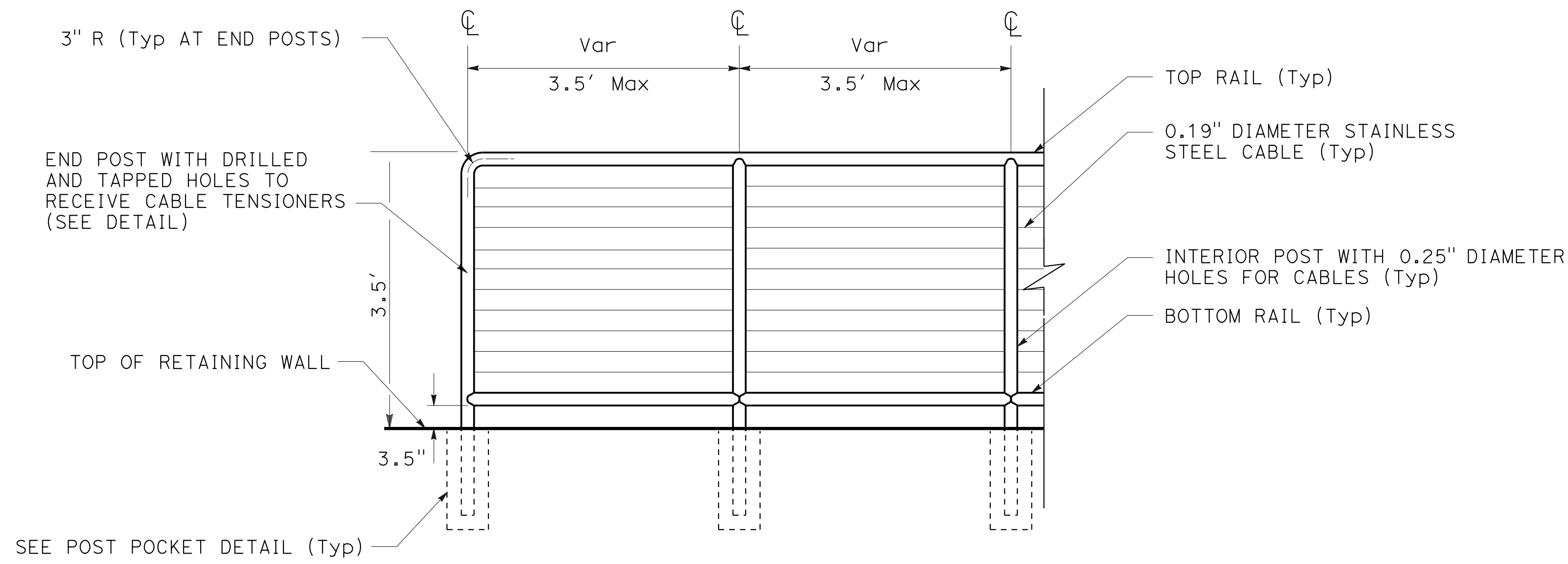
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|------|--------|-------|-----------------------------|--------------|-----------------|
| Dist | COUNTY | ROUTE | POST MILES<br>TOTAL PROJECT | SHEET<br>No. | TOTAL<br>SHEETS |
| 04   | SF     | 80    | 7.8/8.0                     | 4            | 37              |

|                           |          |
|---------------------------|----------|
| REGISTERED CIVIL ENGINEER | DATE     |
| David S. Wong             | 10-22-18 |
| No. 75658                 |          |
| Exp. 6-30-20              |          |
| CIVIL                     |          |

May 17, 2019  
PLANS APPROVAL DATE

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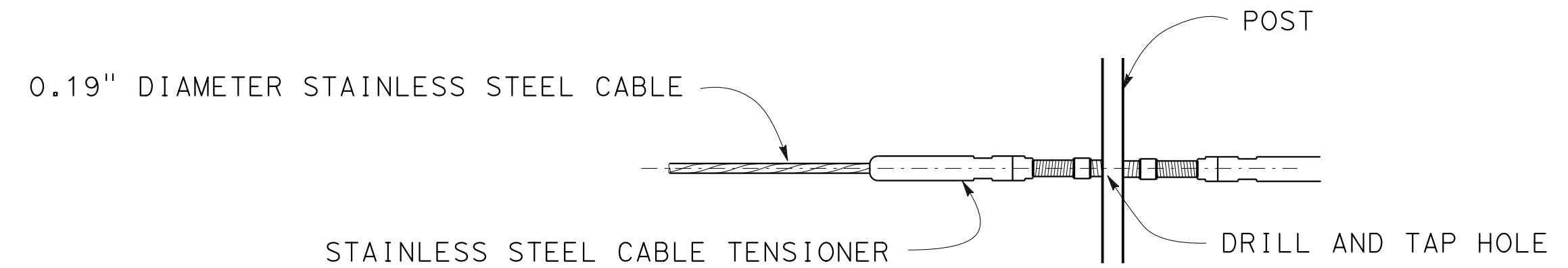


**SECTION**  
POST POCKET

**NOTES:**

1. STEEL PIPE SHALL BE WELDED AT ALL JOINTS.
2. POSTS SHALL BE VERTICAL AND EVENLY SPACED.
3. TEN CABLES SHALL BE EVENLY SPACED BETWEEN TOP AND BOTTOM RAILS.
4. STEEL POSTS AND RAILS SHALL BE 1.5" NPS, GALVANIZED STANDARD PIPE.

**ELEVATION**  
MODIFIED CABLE RAILING



**NOTE:**

MAXIMUM SPACING BETWEEN CABLE TENSIONERS SHALL BE 16.4'.

**CABLE TENSIONER**

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN  
**CONSTRUCTION DETAILS**  
**SUNDIAL PLAZA**  
NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** SPECIAL PROJECTS

FUNCTIONAL SUPERVISOR  
GORDON W JEONG

CALCULATED/DESIGNED BY  
CHECKED BY

DAVID S WONG  
BRIAN WOOD

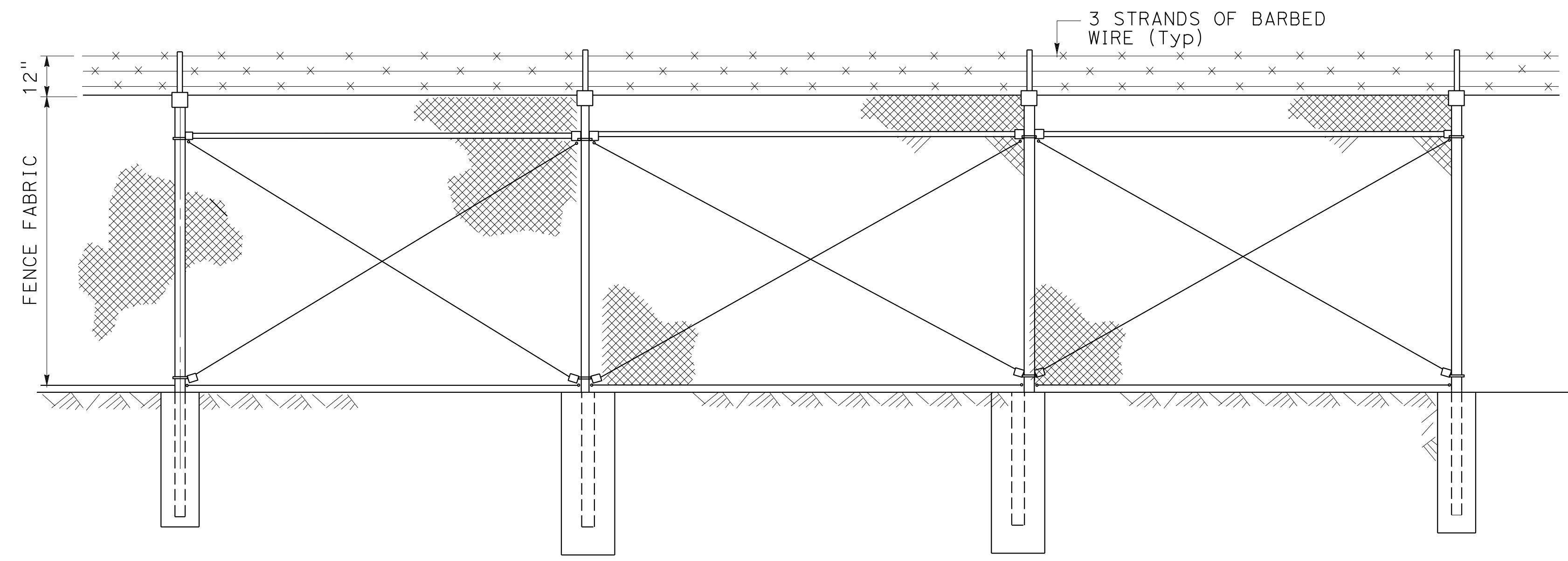
REVISED BY  
DATE REVISED

|      |        |       |                          |           |              |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
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*David Wong* 10-22-18  
 REGISTERED CIVIL ENGINEER DATE  
 May 17, 2019  
 PLANS APPROVAL DATE

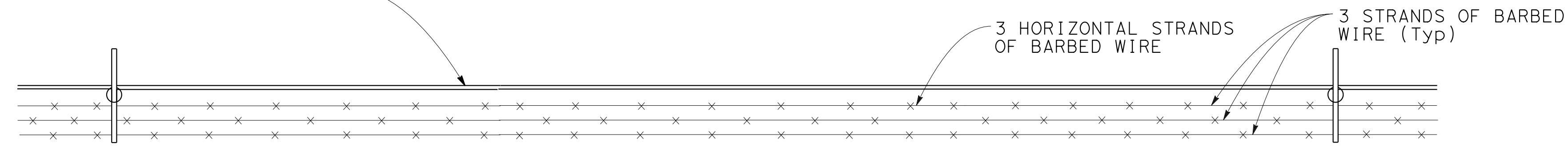
David S. Wong  
 No. 75658  
 Exp. 6-30-20  
 CIVIL  
 STATE OF CALIFORNIA

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ELEVATION

CL FENCE (TYPE CL-12, BLACK VINYL-CLAD)  
w/ EXTENSION ARMS (SEE NOTE)

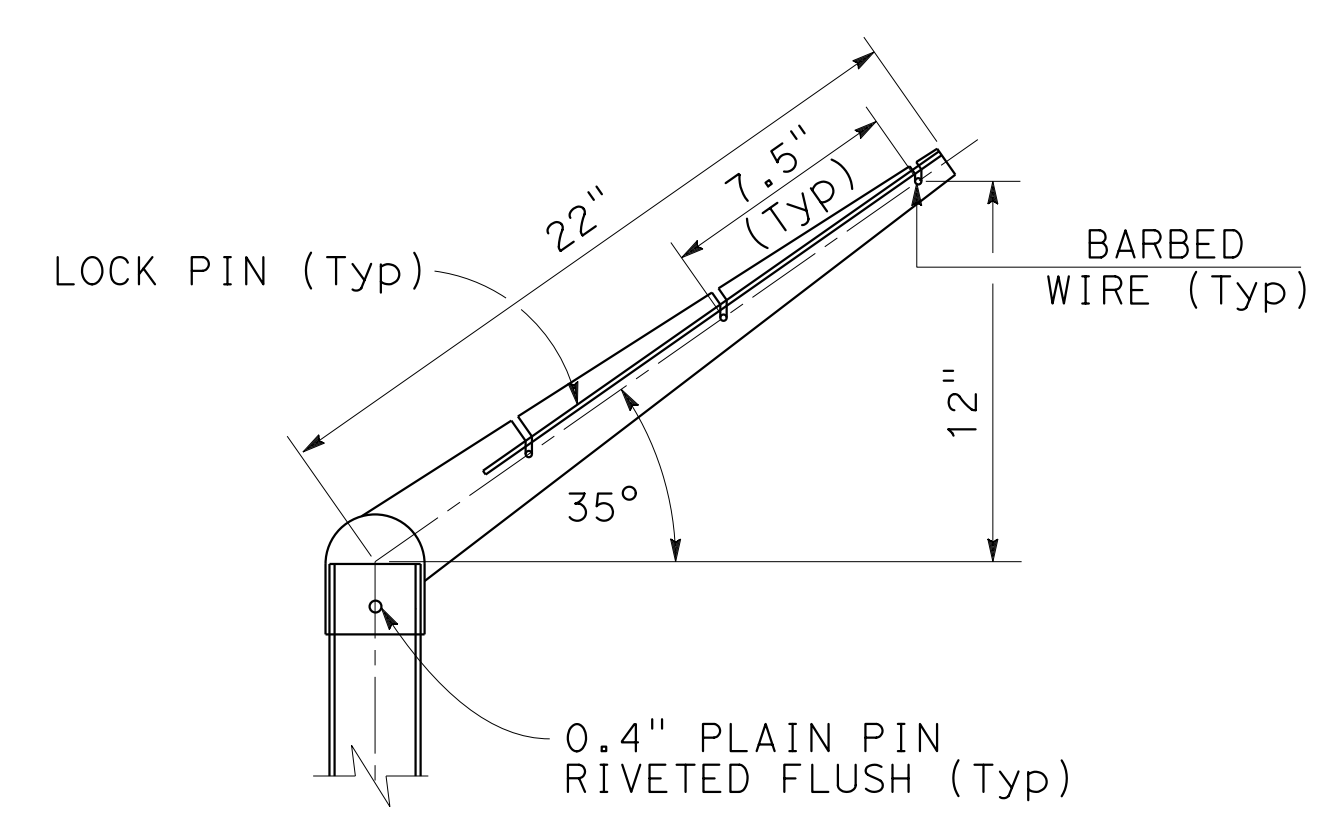


PLAN

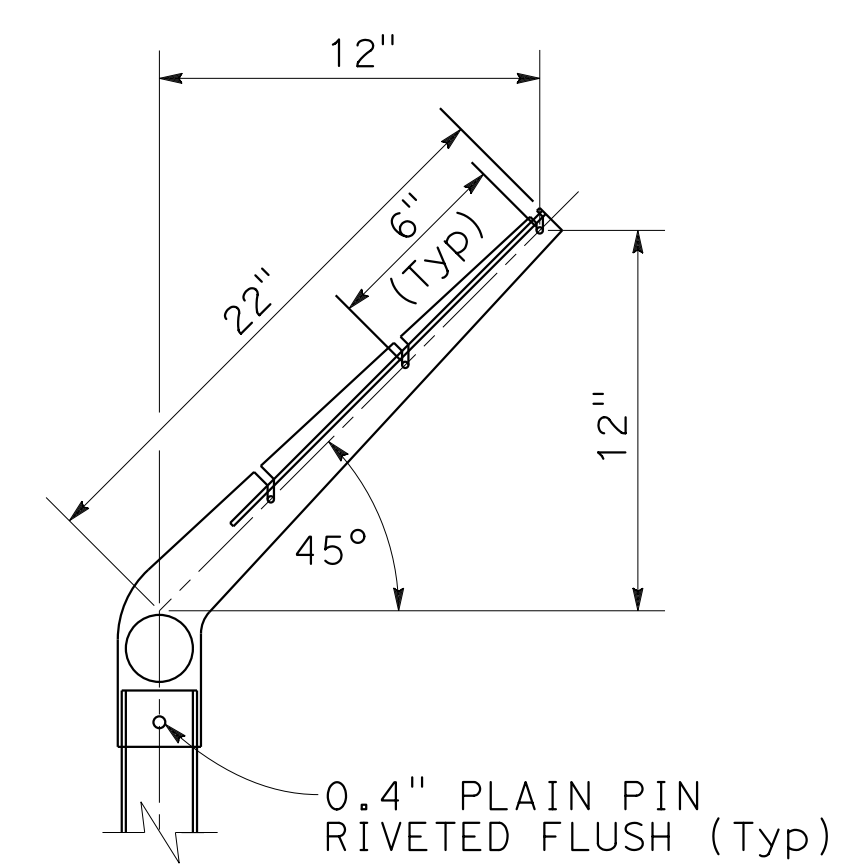
**CHAIN LINK FENCE (TYPE CL-12, BLACK VINYL-CLAD)  
WITH BARBED WIRE EXTENSION ARMS**

**NOTE:**

- FOR DIMENSIONS AND DETAILS NOT SHOWN SEE S+D PLAN A85.



CORNER POST



LINE POST

**EXTENSION ARM DETAILS**

ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN  
**CONSTRUCTION DETAILS**  
**FENCE DETAILS**  
 NO SCALE

FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET C-1



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** SPECIAL PROJECTS  
 FUNCTIONAL SUPERVISOR: GORDON W JEONG  
 CALCULATED/DESIGNED BY: DAVID S WONG  
 CHECKED BY: BRIAN WOOD  
 REVISED BY: DAVID S WONG  
 DATE REVISED: 7/2/2010

**NOTE:**  
FOR ACCURATE RIGHT OF WAY DATA, CONTACT  
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

**ABBREVIATIONS:**

ESA ENVIRONMENTAL SENSITIVE AREA  
SCA SPECIAL CONSTRUCTION AREA  
ATM AREA TO BE MONITORED DURING CONSTRUCTION

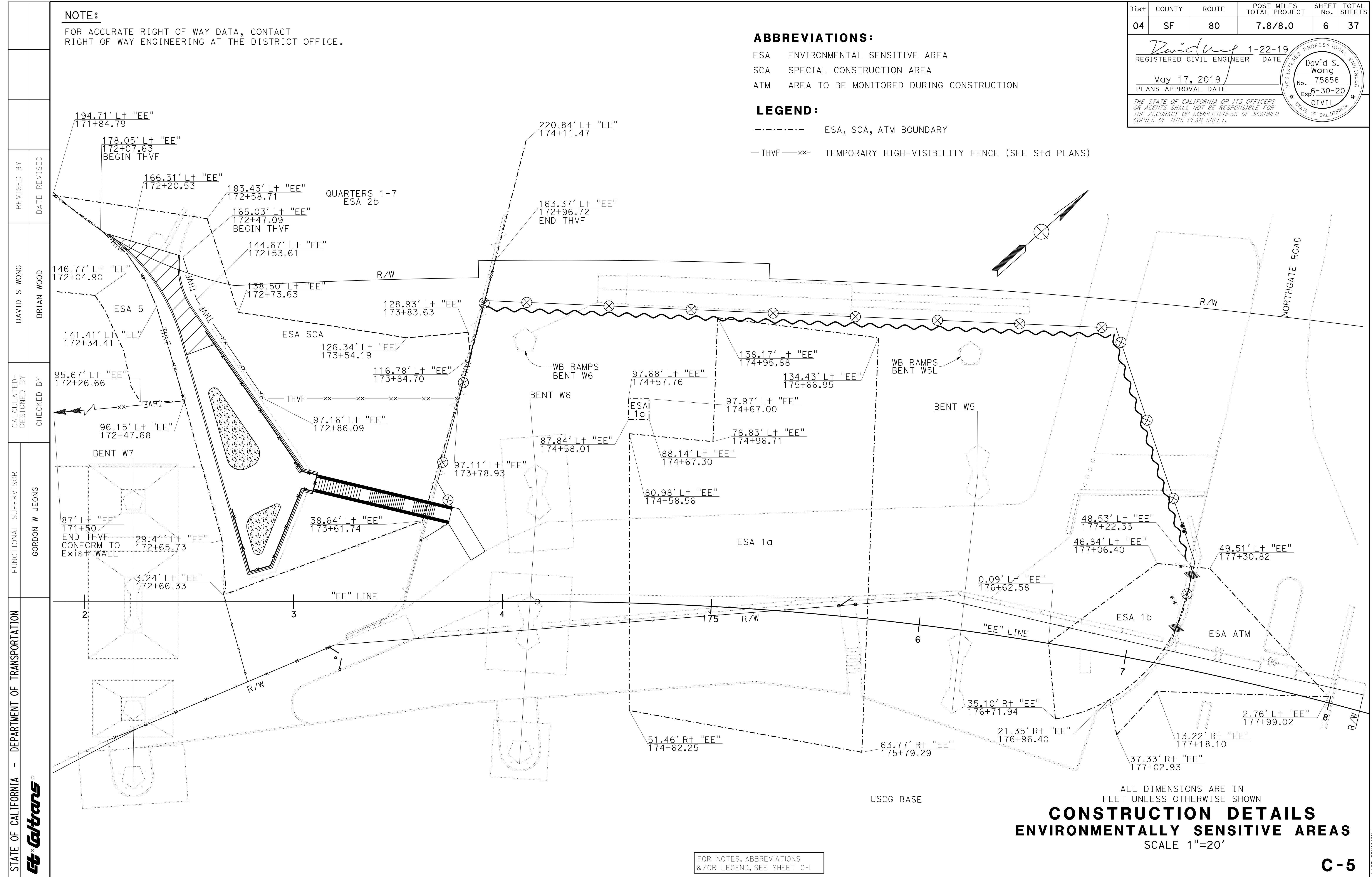
**LEGEND:**

----- ESA, SCA, ATM BOUNDARY  
- THVF --xx- TEMPORARY HIGH-VISIBILITY FENCE (SEE S+d PLANS)

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 04   | SF     | 80    | 7.8/8.0                  | 6         | 37           |

1-22-19  
 REGISTERED CIVIL ENGINEER DATE  
 David S. Wong  
 No. 75658  
 Exp. 6-30-20  
 CIVIL  
 STATE OF CALIFORNIA  
 REGISTERED PROFESSIONAL ENGINEER

May 17, 2019  
 PLANS APPROVAL DATE  
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REVISIONS  
 REVISION NO. DATE BY  
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 2 01-22-19  
 3 01-22-19  
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FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET C-1

| Dist | COUNTY | ROUTE | POST MILES<br>TOTAL PROJECT | SHEET<br>No. | TOTAL<br>SHEETS |
|------|--------|-------|-----------------------------|--------------|-----------------|
| 04   | SF     | 80    | 7.8/8.0                     | 7            | 37              |

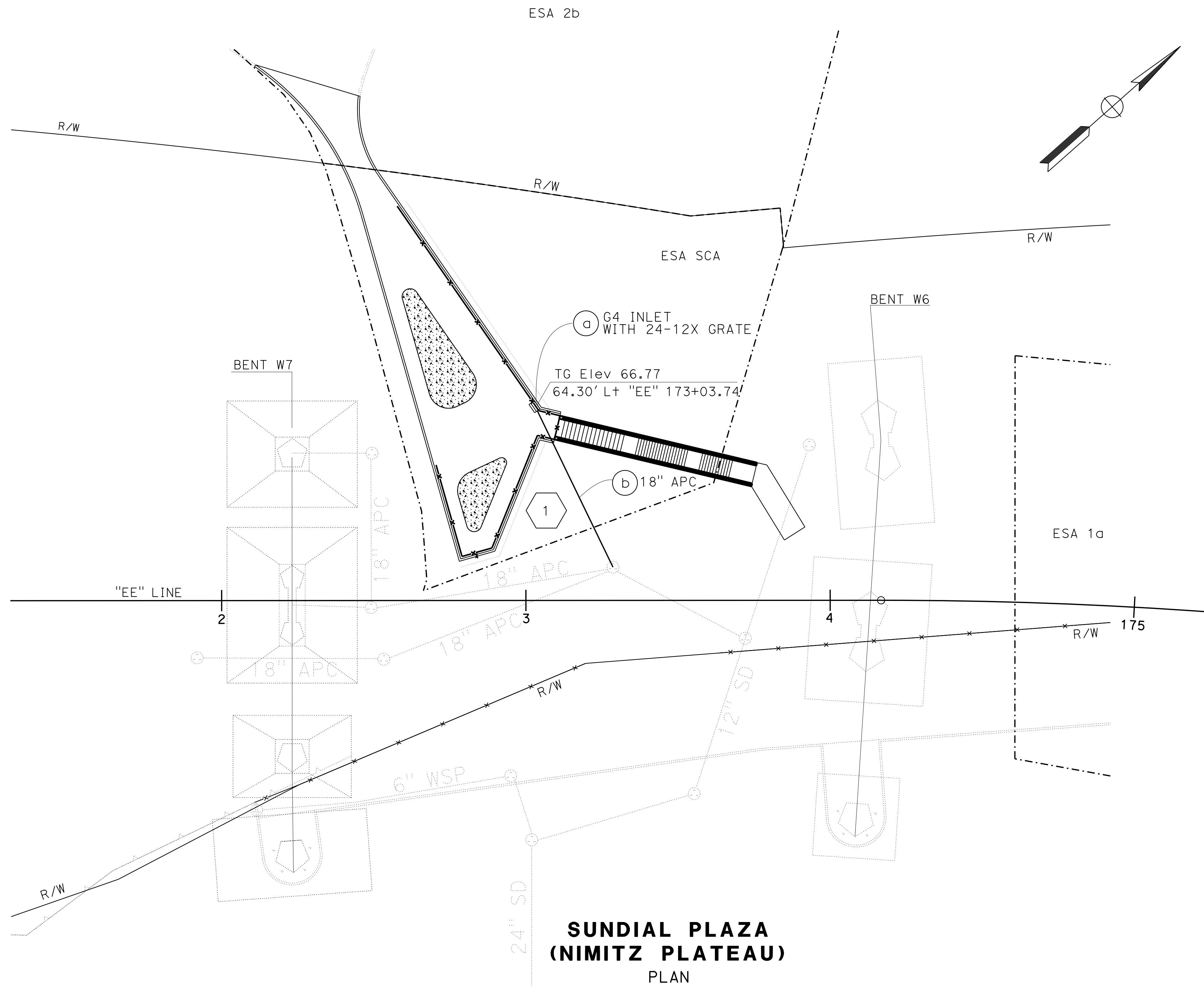
|                           |         |
|---------------------------|---------|
| <i>David S. Wong</i>      | 1-22-19 |
| REGISTERED CIVIL ENGINEER | DATE    |
| May 17, 2019              |         |
| PLANS APPROVAL DATE       |         |

|                                  |
|----------------------------------|
| REGISTERED PROFESSIONAL ENGINEER |
| David S. Wong                    |
| No. 75658                        |
| Exp. 6-30-20                     |
| CIVIL                            |
| STATE OF CALIFORNIA              |

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**NOTE:**  
FOR ACCURATE RIGHT OF WAY DATA, CONTACT  
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



**SUNDIAL PLAZA  
(NIMITZ PLATEAU)  
PLAN**

ALL DIMENSIONS ARE IN  
FEET UNLESS OTHERWISE SHOWN  
**DRAINAGE PLAN**  
**SUNDIAL PLAZA**  
SCALE 1"=20'

FOR NOTES, ABBREVIATIONS  
&/OR LEGEND, SEE SHEET C-1



|                                                    |                       |              |      |
|----------------------------------------------------|-----------------------|--------------|------|
| STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | FUNCTIONAL SUPERVISOR | REVISOR      | DATE |
| <b>Caltrans</b> SPECIAL PROJECTS                   | GORDON W JEONG        | DAVID S WONG |      |
|                                                    |                       | BRIAN WOOD   |      |
|                                                    |                       |              |      |

LAST REVISION | DATE PLOTTED => 16-OCT-2019  
01-22-19 | TIME PLOTTED => 14:07

|                                                                                                                                                                  |        |       |                                                                               |              |                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|-------------------------------------------------------------------------------|--------------|-----------------|
| Dist                                                                                                                                                             | COUNTY | ROUTE | POST MILES<br>TOTAL PROJECT                                                   | SHEET<br>No. | TOTAL<br>SHEETS |
| 04                                                                                                                                                               | SF     | 80    | 7.8/8.0                                                                       | 8            | 37              |
| <i>David Wong</i> 10-22-18<br>REGISTERED CIVIL ENGINEER DATE                                                                                                     |        |       | David S.<br>Wong<br>No. 75658<br>Exp. 6-30-20<br>CIVIL<br>STATE OF CALIFORNIA |              |                 |
| May 17, 2019<br>PLANS APPROVAL DATE                                                                                                                              |        |       |                                                                               |              |                 |
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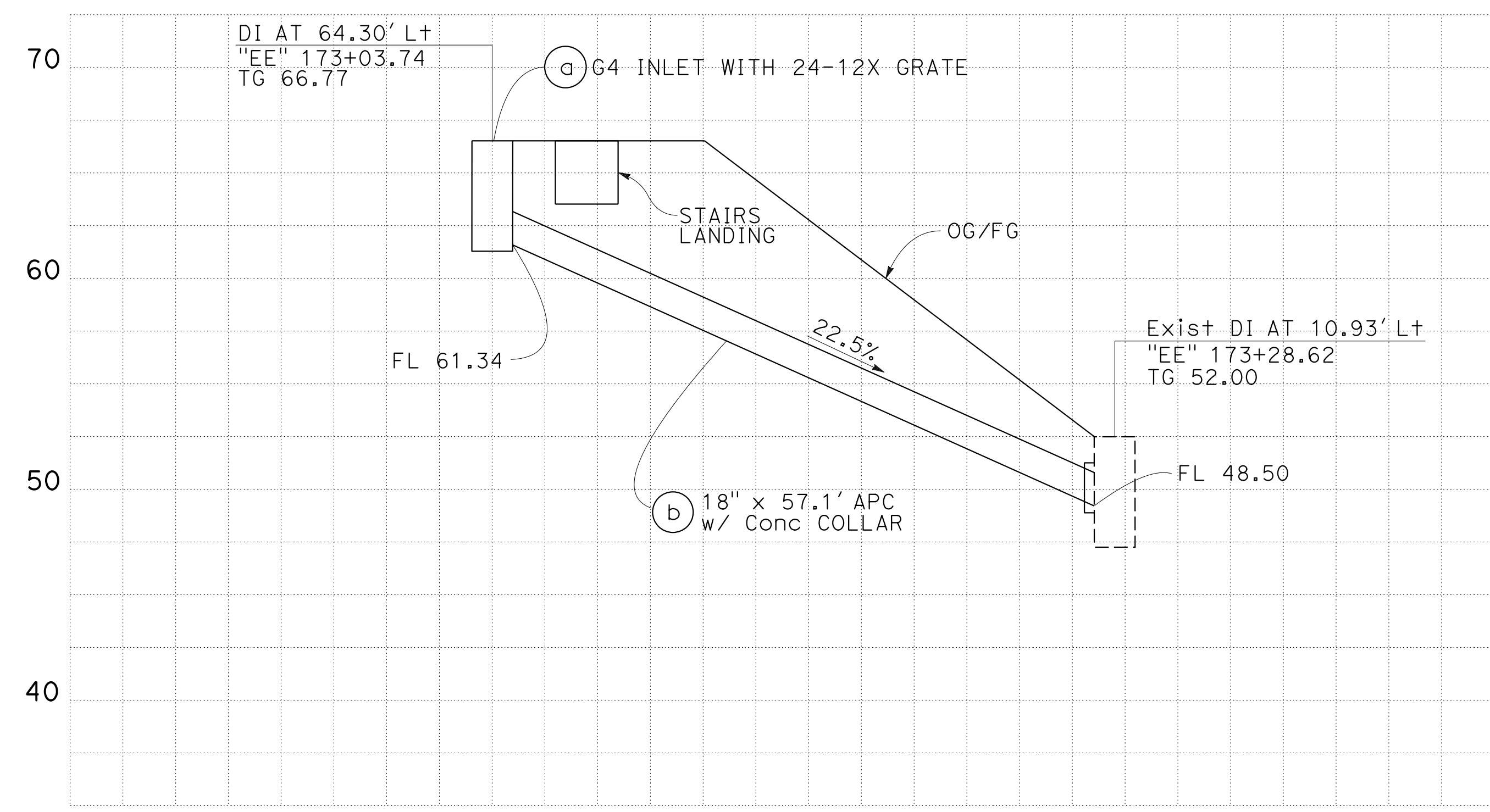
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** SPECIAL PROJECTS

FUNCTIONAL SUPERVISOR: GORDON W JEONG

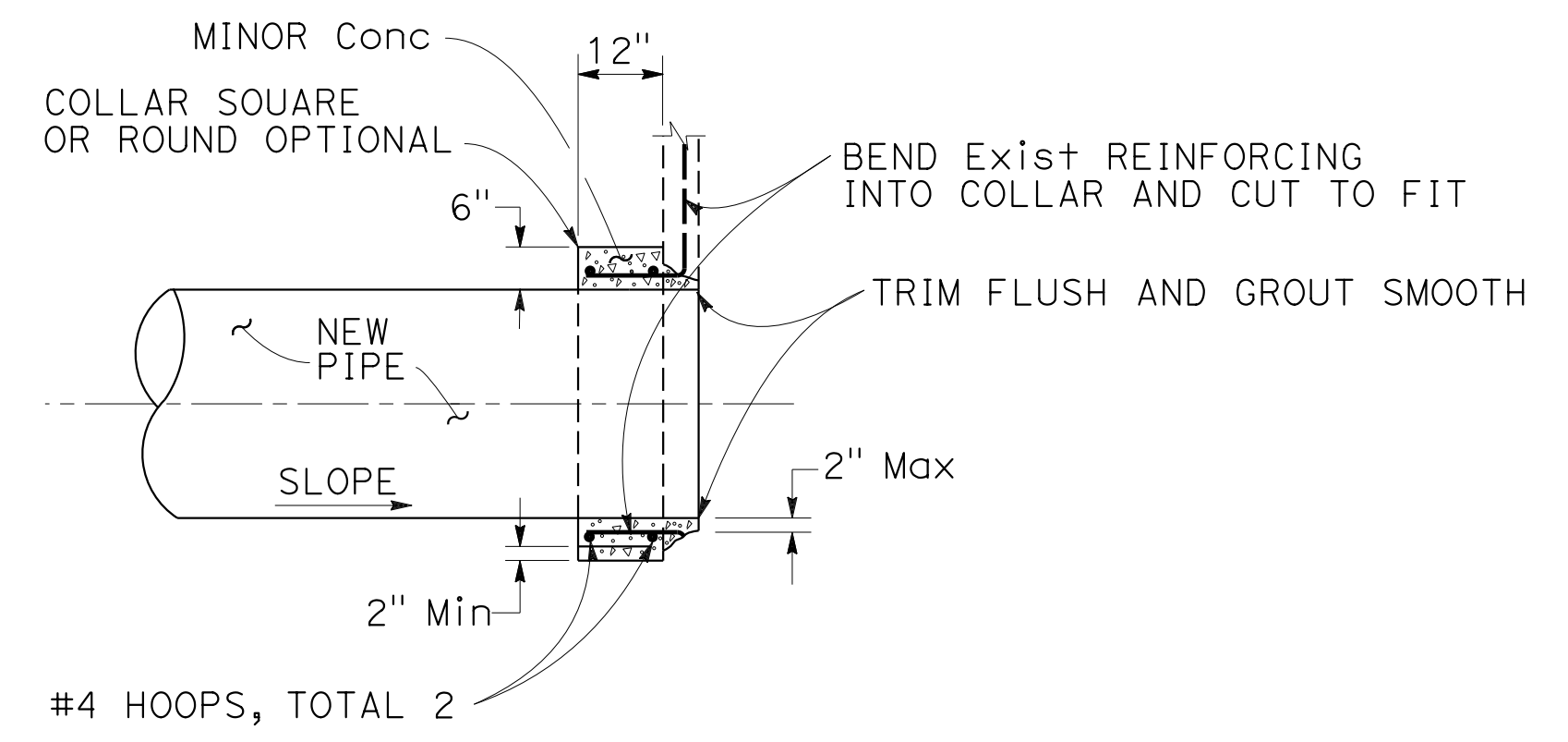
DAVID S WONG  
 BRIAN WOOD

REVISOR BY: DATE

DESIGNED BY: CHECKED BY:



**DRAINAGE SYSTEM No. 1**



**PIPE CONNECTION TO EXISTING MANHOLE**

- NOTES:**
- CUT REINFORCEMENT ON ALTERNATE SIDES AND BEND INTO COLLAR.
  - IF THERE ARE NO Exist REINFORCING BARS, THEN USE 6 #4 DOWELS, SPACED EVENLY AROUND NEW PIPE, AND DRILL AND GROUT INTO Exist INLET WALLS 6".

ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN  
**DRAINAGE PROFILES**  
**SUNDIAL PLAZA**  
 NO SCALE

**DP-1**

LAST REVISION DATE PLOTTED => 16-OCT-2019 10-22-18 TIME PLOTTED => 14:18



| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
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|                           |         |
|---------------------------|---------|
| <i>David S. Wong</i>      | 1/22/19 |
| REGISTERED CIVIL ENGINEER | DATE    |
| May 17, 2019              |         |
| PLANS APPROVAL DATE       |         |

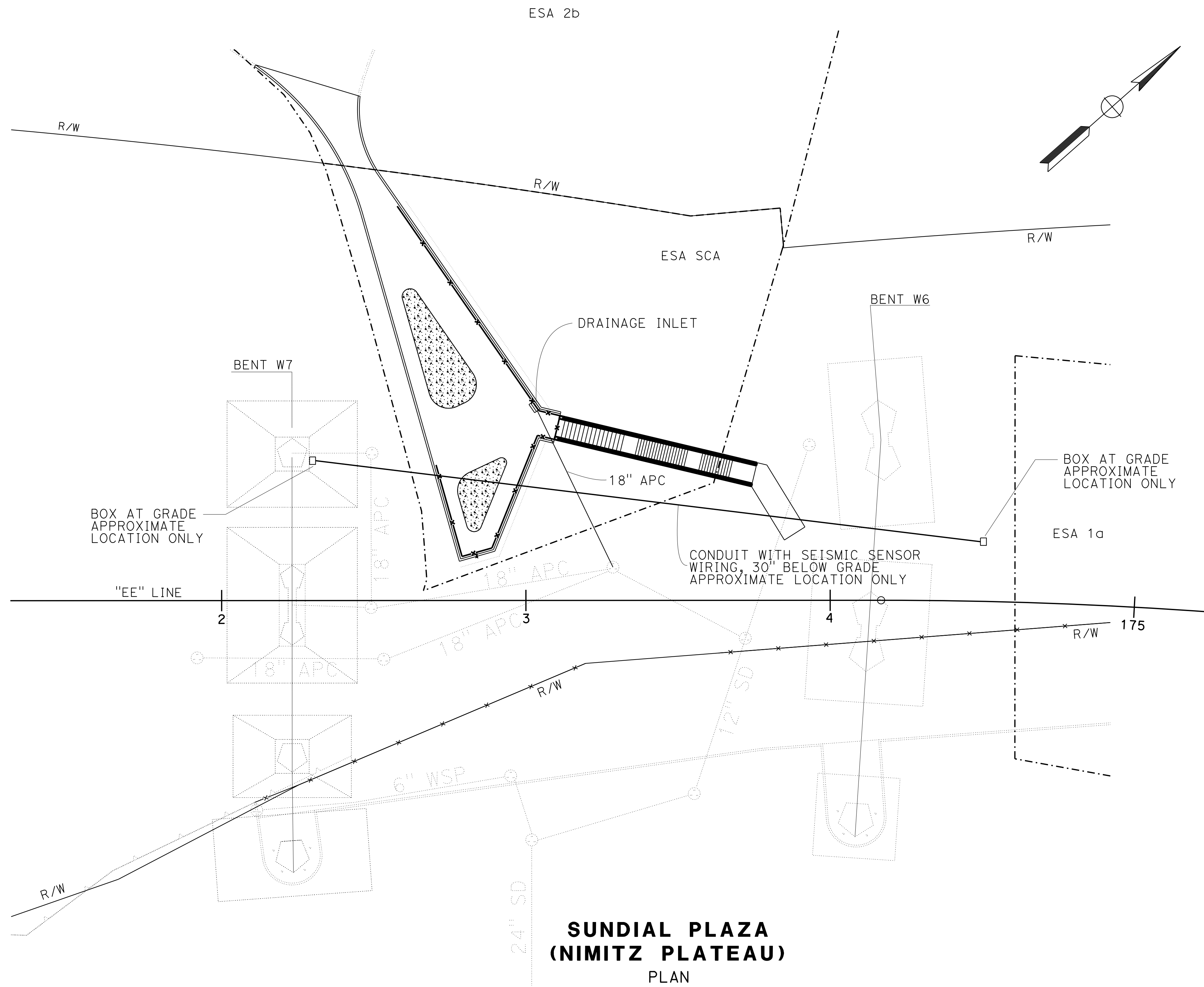
  

|                                  |
|----------------------------------|
| REGISTERED PROFESSIONAL ENGINEER |
| David S. Wong                    |
| No. 75658                        |
| Exp. 6-30-20                     |
| CIVIL                            |

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**SUNDIAL PLAZA  
(NIMITZ PLATEAU)  
PLAN**

FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET C-1

ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN  
**UTILITY PLAN  
SUNDIAL PLAZA**  
SCALE 1"=20'

**U-1**

|                                                    |
|----------------------------------------------------|
| STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION |
| <b>Caltrans</b> SPECIAL PROJECTS                   |
| FUNCTIONAL SUPERVISOR                              |
| GORDON W JEONG                                     |
| CALCULATED/DESIGNED BY                             |
| CHECKED BY                                         |
| DAVID S WONG                                       |
| BRIAN WOOD                                         |
| REVISOR                                            |
| DATE                                               |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** SPECIAL PROJECTS  
 FUNCTIONAL SUPERVISOR: GORDON W JEONG  
 CALCULATED/DESIGNED BY: DAVID S WONG  
 CHECKED BY: BRIAN WOOD  
 REVISOR: DAVID S WONG  
 DATE: 10-22-18

### SUNDIAL PLAZA

| SHEET No. | LOCATION              |    | MINOR Conc (SIDEWALK) | CI 2 AB | EXPOSED AGGREGATE FINISH [N] | MINOR Conc (CURB) (TYPE A1-6) | REMOVE Conc CURB AND SIDEWALK | ROADWAY EXCAVATION |
|-----------|-----------------------|----|-----------------------|---------|------------------------------|-------------------------------|-------------------------------|--------------------|
|           |                       |    | CY                    | CY      | SQFT                         | CY                            | SQYD                          | CY                 |
| C-2       | "EE" 172+00 TO 174+00 | L+ | 45                    | 68      | 665                          | 10                            | 77                            | 120                |
| TOTAL     |                       |    | 45                    | 68      | 665                          | 10                            | 77                            | 120                |

[N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

|      |        |       |                          |           |              |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
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10-22-18  
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### FENCES, GATES, CABLE RAILING, BARRIER

| SHEET No. | LOCATION                    |       | FENCE (TYPE ANTI-CLIMB) | SWING GATE (TYPE ANTI-CLIMB) | FENCE (TYPE CL-12 BLACK VINYL-CLAD), w/ BARBED WIRE EXT ARMS | MODIFIED CABLE RAILING | SWING GATE (TYPE MODIFIED CABLE RAILING) | CABLE BARRIER SYSTEM | CONCRETE BARRIER (TYPE 60M) | REMOVE CHAIN LINK FENCE | REMOVE CONCRETE BARRIER (TYPE K) | REMOVE BOLLARD | RELOCATE ROADSIDE SIGN (WOOD POST) |
|-----------|-----------------------------|-------|-------------------------|------------------------------|--------------------------------------------------------------|------------------------|------------------------------------------|----------------------|-----------------------------|-------------------------|----------------------------------|----------------|------------------------------------|
|           |                             |       | LF                      | EA                           | LF                                                           | EA                     | LF                                       | EA                   | EA                          | EA                      | EA                               | EA             | EA                                 |
| C-1       | "EE" 173+68.97 TO 177+23.36 | L+    | 564                     |                              |                                                              |                        |                                          |                      |                             |                         |                                  |                |                                    |
| C-1       | "EE" 173+74.14 TO 173+76.00 | L+    |                         | 2                            |                                                              |                        |                                          |                      |                             |                         |                                  |                |                                    |
| C-1       | "EE" 173+92.09 TO 177+19.40 | L+    |                         |                              |                                                              |                        |                                          | 414                  |                             |                         |                                  |                |                                    |
| C-1       | "EE" 177+20.36 TO 177+23.36 | L+    |                         |                              |                                                              |                        |                                          |                      | 39                          |                         |                                  |                |                                    |
| C-1       | "EE" 173+63.68 TO 177+15.94 | R+,L+ |                         |                              |                                                              |                        |                                          |                      |                             |                         | 416                              |                |                                    |
| C-1       | "EE" 176+67.11 TO 176+68.87 | L+    |                         |                              |                                                              |                        |                                          |                      |                             |                         |                                  | 4              |                                    |
| C-1       | "EE" 177+02.64 TO 177+67.45 | L+    |                         |                              |                                                              |                        |                                          |                      |                             |                         |                                  |                | 2                                  |
| C-2       | "EE" 172+66.47 TO 172+77.96 | R+,L+ |                         |                              | 60                                                           |                        |                                          |                      |                             |                         |                                  |                |                                    |
| C-2       | "EE" 172+72.04 TO 173+11.81 | L+    |                         |                              |                                                              | 180                    |                                          |                      |                             |                         |                                  |                |                                    |
| C-2       | "EE" 173+10.55 TO 173+11.81 | L+    |                         |                              |                                                              |                        | 2                                        |                      |                             |                         |                                  |                |                                    |
| C-2       | "EE" 172+66.47 TO 173+62.75 | L+    |                         |                              |                                                              |                        |                                          |                      |                             | 113                     |                                  |                |                                    |
|           |                             |       | 564                     | 2                            | 60                                                           | 180                    | 2                                        | 414                  | 39                          | 113                     | 416                              | 4              | 2                                  |

### DRAINAGE QUANTITIES

|                                     |    |                          |                                                      |
|-------------------------------------|----|--------------------------|------------------------------------------------------|
| DRAINAGE PLAN SHEET No.             |    | D-I                      | D-I                                                  |
| DRAINAGE SYSTEM No.                 |    | I                        | I                                                    |
| DRAINAGE UNIT                       |    | a                        | b                                                    |
| DESCRIPTION                         |    | G4 DI                    | 18" APC                                              |
| LOCATION                            |    | 62.45' L+ "EE" 173+04.22 | 62.45' L+ "EE" 173+04.22 TO 10.93' L+ "EE" 173+28.62 |
| FRAME & GRATE [N] : 24-12X          | EA | I                        |                                                      |
| MAXIMUM HEIGHT OF COVER [N]         | FT | 7                        |                                                      |
| HEIGHT OF INLET [N]                 | FT | 5.43                     |                                                      |
| 18" ALT PIPE CULVERT                | LF |                          | 57.1'                                                |
| PIPE JOINT CLASSIFICATION           | -  |                          | STANDARD JOINT                                       |
| STRUCTURAL CONCRETE, DRAINAGE INLET | CY | 1.92                     |                                                      |
| MISCELLANEOUS, IRON AND STEEL       | LB | 239.0                    |                                                      |

[N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

### APC ALLOWABLE PIPE MATERIAL AND PROTECTION

| DESIGNATION | RCP | HDPE PIPE | PVC                             |
|-------------|-----|-----------|---------------------------------|
|             |     | TYPE S    | CORRUGATED WITH SMOOTH INTERIOR |
| 18" APC     | YES | YES       | YES                             |

### TEMPORARY HIGH-VISIBILITY FENCE

| SHEET No. |    | STATION               | LENGTH |
|-----------|----|-----------------------|--------|
|           |    |                       | LF     |
| C-5       | L+ | "EE" 171+50 TO 172+47 | 185    |
|           | L+ | "EE" 172+48 TO 173+96 | 245    |
| TOTAL     |    |                       | 430    |

### SUMMARY OF QUANTITIES







|      |        |       |                          |           |              |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 04   | SF     | 80    | 7.8/8.0                  | 13        | 37           |

*Lydia Mac*  
 LICENSED LANDSCAPE ARCHITECT

May 17, 2019  
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

| IRRIGATION SPRINKLER SCHEDULE |                 |               |                          |                       |                          |                        |                      |                              |          |             |                               |                               |                     |                      |                     |               |          |         |            |         |                               |
|-------------------------------|-----------------|---------------|--------------------------|-----------------------|--------------------------|------------------------|----------------------|------------------------------|----------|-------------|-------------------------------|-------------------------------|---------------------|----------------------|---------------------|---------------|----------|---------|------------|---------|-------------------------------|
| SYMBOL                        | DESCRIPTION     | SPRAY PATTERN | OPERATING PRESSURE (psi) | PRESSURE COMPENSATING | DISCHARGE                |                        | RADIUS (IN FEET)(ft) | WIDTH x LENGTH (IN FEET)(ft) | MATERIAL | NOZZLE SIZE | INLET CONNECTION (NPT) (INCH) | POSITIVE-LOCKING ADJ ARC STOP | BACKSPASH PREVENTER | BUILT-IN CHECK VALVE | FLOW SHUTOFF DEVICE | ADJ DISCHARGE | RISER    |         |            | REMARKS |                               |
|                               |                 |               |                          |                       | PLUS / MINUS 5%          |                        |                      |                              |          |             |                               |                               |                     |                      |                     |               | MATERIAL |         |            |         |                               |
|                               |                 |               |                          |                       | GALLONS PER MINUTE (GPM) | GALLONS PER HOUR (GPH) |                      |                              |          |             |                               |                               |                     |                      |                     |               | Type     | PLASTIC | GALVANIZED |         |                               |
| ---                           | INLINE EMITTERS | -             | 2.1                      | X                     | .50                      | 41.0                   |                      | -                            | PL       | -           | -                             | -                             | -                   | -                    | -                   | -             | -        | -       | -          | -       | INLINE EMITTERS 18" ON CENTER |

**APPLICABLE WHEN CIRCLED BELOW:** X IN BOX DENOTES REQUIREMENT

- 1 - SEE SPECIAL PROVISIONS.
- ② - IF A PRESSURE COMPENSATING DEVICE IS SPECIFIED, THE DISCHARGE AND RADII SHOWN REFLECT ITS USE.
- 3 - SWING JOINTS REQUIRED ADJACENT TO SHOULDERS, CURBS, SIDEWALKS, AND DIKES.
- 4 - ANGLE OF TRAJECTORY 10°.
- 5 - UNLESS OTHERWISE SHOWN ON PLANS.

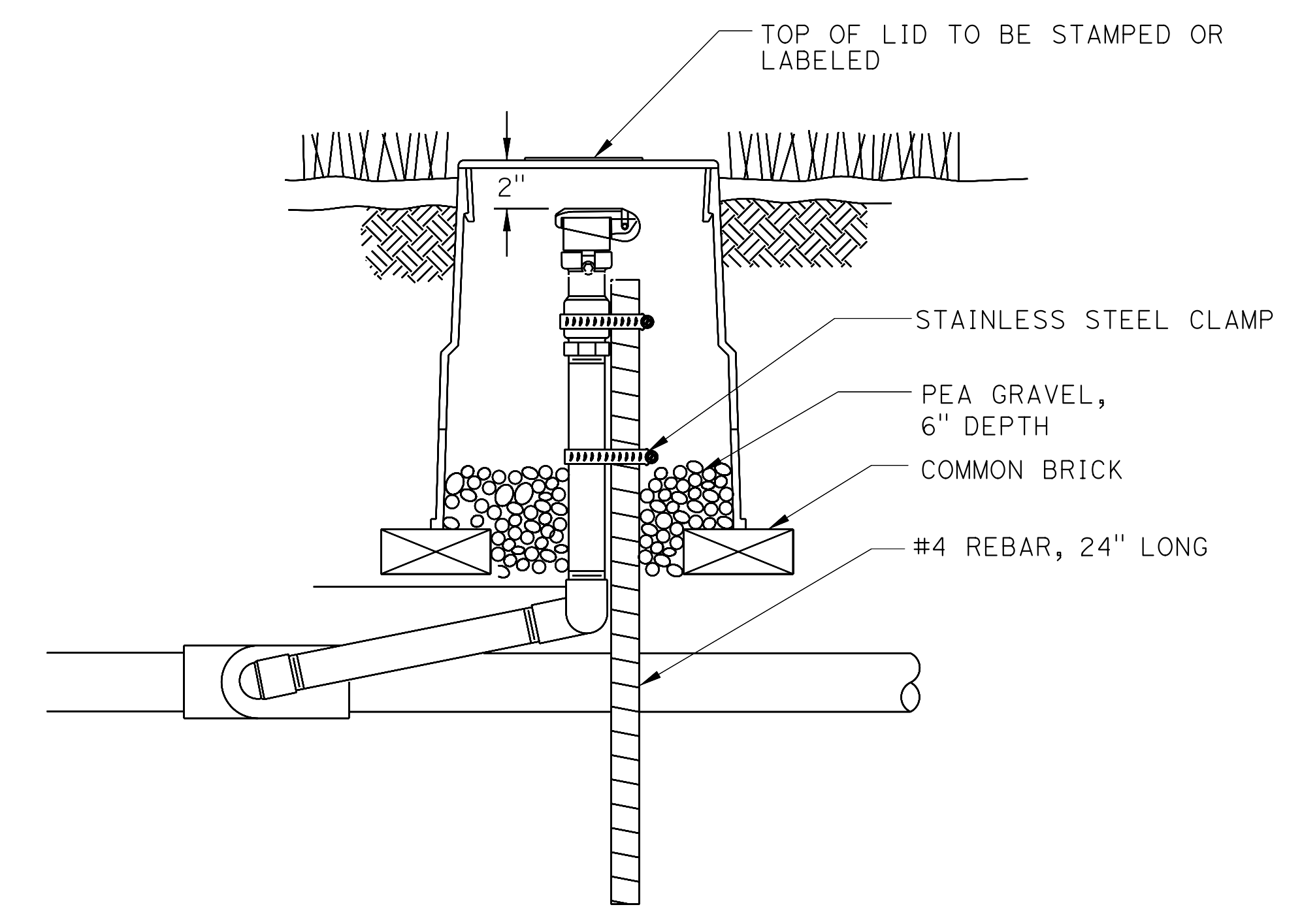
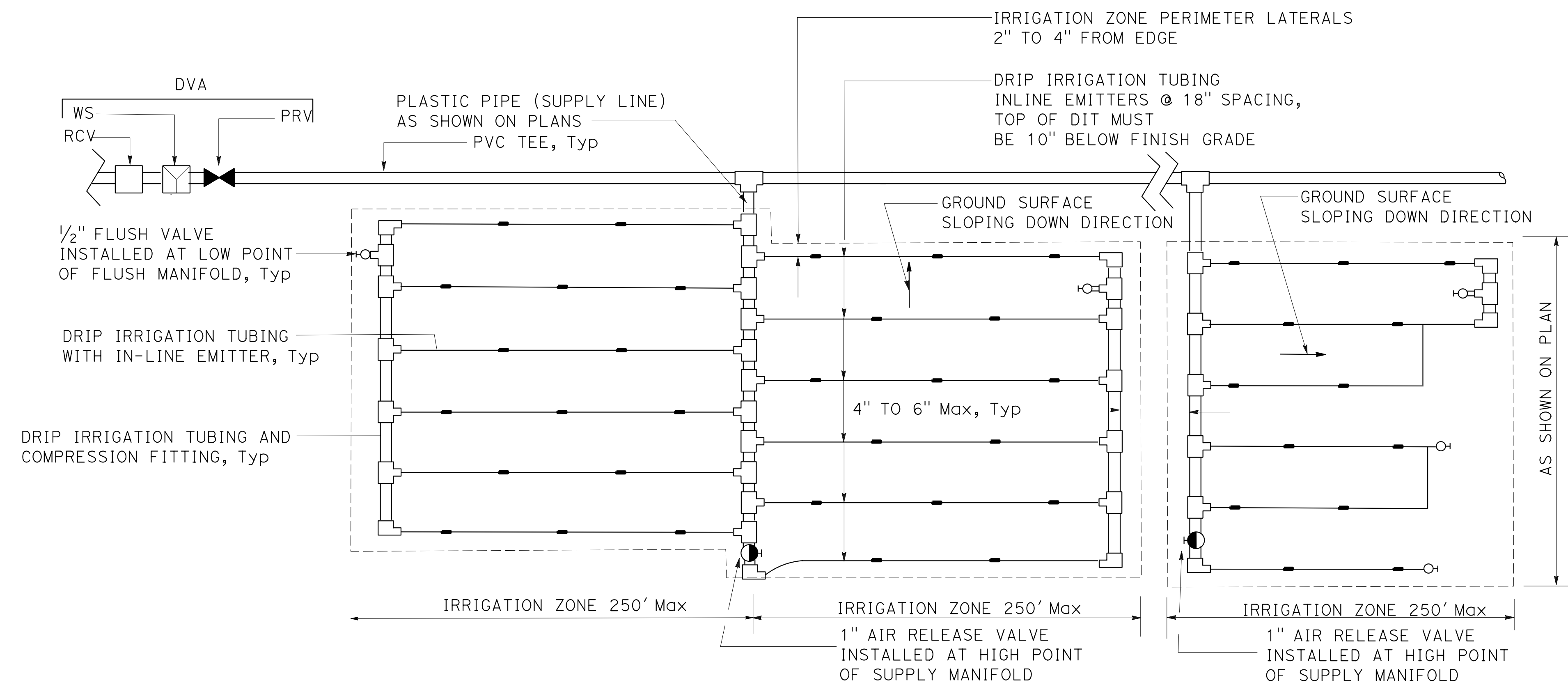
# IRRIGATION SPRINKLER SCHEDULE

## ISS-1

|      |        |       |                          |           |              |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 04   | SF     | 80    | 7.8/8.0                  | 14        | 37           |

*Lydia Mac*  
 LICENSED LANDSCAPE ARCHITECT  
 May 17, 2019  
 PLANS APPROVAL DATE

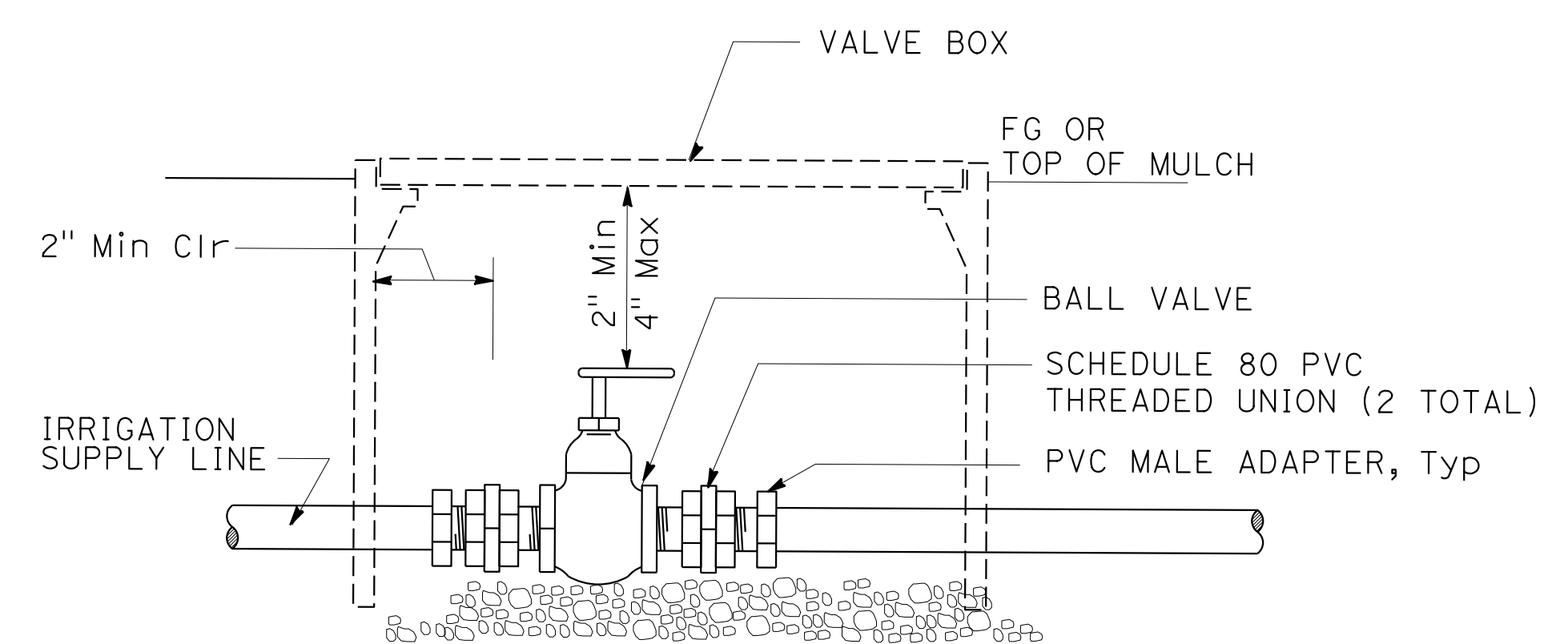
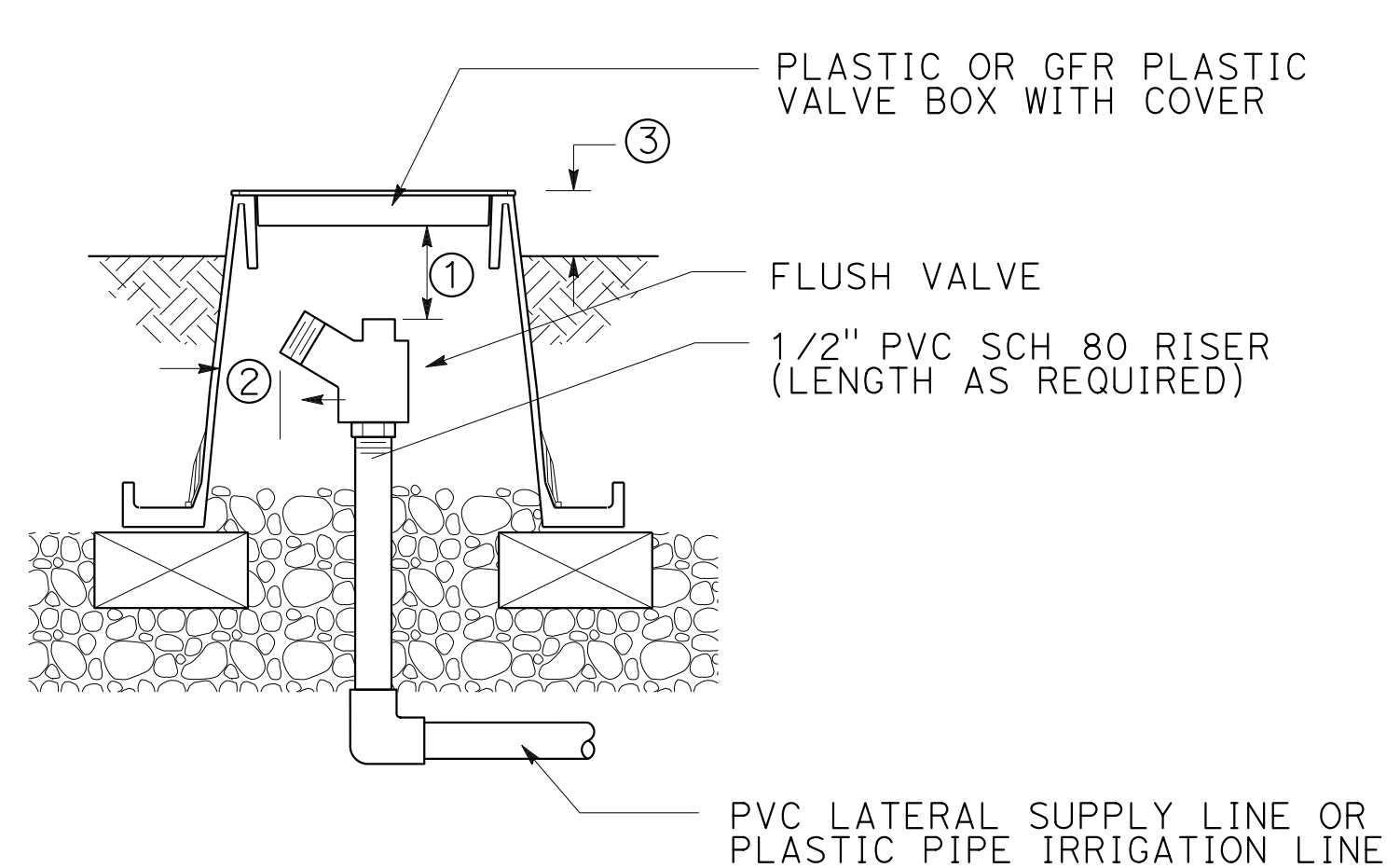
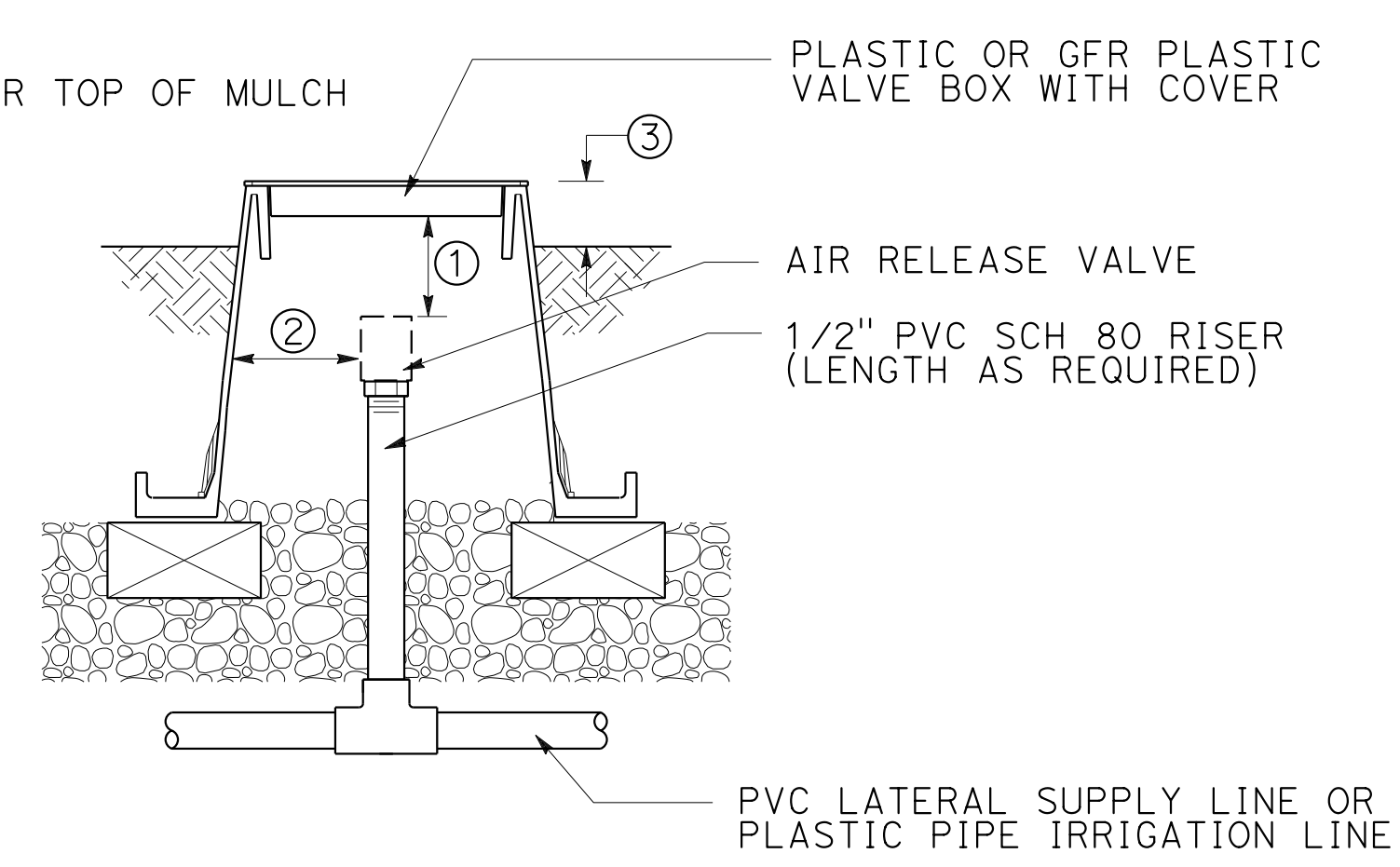
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**INLINE EMITTERS ZONE'S LAYOUT**

**SECTION QUICK COUPLING VALVE DETAIL**

- NOTES:
- 2" Min TO 4" Max CLEARANCE
  - 4" Min, Typ
  - 2" ABOVE FG OR TOP OF MULCH



**COMBINATION AIR RELEASE VALVE**  
USE FOR UNDERGROUND DRIP EMITTER LINES

**FLUSH VALVE**  
USE FOR UNDERGROUND DRIP EMITTER LINES

**SECTION BALL VALVE**

**IRRIGATION DETAILS**  
NO SCALE **ID-1**

REBECCA CALDERON  
 FELIX ONUKWUGHA  
 LYDIA MAC  
 LANDSCAPE ARCHITECTURE

|      |        |       |                             |              |                 |
|------|--------|-------|-----------------------------|--------------|-----------------|
| Dist | COUNTY | ROUTE | POST MILES<br>TOTAL PROJECT | SHEET<br>No. | TOTAL<br>SHEETS |
| 04   | SF     | 80    | 7.8/8.0                     | 15           | 37              |

*Sydia Mue*  
 LICENSED LANDSCAPE ARCHITECT  
 May 17, 2019  
 PLANS APPROVAL DATE

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** LANDSCAPE ARCHITECTURE  
 SENIOR LANDSCAPE ARCHITECT  
 LYDIA MAC  
 CALCULATED/DESIGNED BY  
 CHECKED BY  
 REBECCA CALDERON  
 FELIX ONUKWUHA  
 REVISED BY  
 DATE REVISED

**IRRIGATION QUANTITIES  
(SUBTOTALS PER VALVE ON LATERAL SIDE OF CONTROL VALVE)**

| CONTROLLER IDENTIFICATION | VALVE NUMBER | IRRIGATION SUPPLY LINE                 |     |      | VALVES                 |                                  |             |
|---------------------------|--------------|----------------------------------------|-----|------|------------------------|----------------------------------|-------------|
|                           |              | PLASTIC PIPE (SCH 40)<br>(SUPPLY LINE) |     |      | DRIP IRRIGATION TUBING | COMBINATION<br>AIR-RELEASE VALVE | FLUSH VALVE |
|                           |              | 3/4"                                   | 1"  | 1/2" |                        |                                  |             |
| LF                        | LF           | LF                                     | EA  | EA   |                        |                                  |             |
| A                         | C-39         | 15                                     | 80  | 1774 | 4                      | 4                                |             |
|                           | C-40         | 24                                     | 60  | 2002 | 4                      | 5                                |             |
|                           | C-41         | 15                                     | 46  | 964  | 4                      | 4                                |             |
|                           | C-42         | 2                                      | 60  | 1549 | 4                      | 4                                |             |
| <b>TOTAL</b>              |              | 96                                     | 246 | 6289 | 16                     | 17                               |             |

**IRRIGATION QUANTITY (MAIN SUPPLY SIDE OF CONTROL VALVE)**

| SHEET NUMBER | VALVES AND ASSEMBLIES |                     |            | IRRIGATION SUPPLY LINE |     |
|--------------|-----------------------|---------------------|------------|------------------------|-----|
|              | WATER METER           | DRIP VALVE ASSEMBLY | BALL VALVE | QUICK COUPLING VALVE   |     |
|              | 2"                    | 1"                  | 2"         | 3/4"                   |     |
| EA           | EA                    | EA                  | EA         | 2 "                    |     |
| EA           | EA                    | EA                  | EA         | LF                     |     |
| IP-1         |                       |                     |            |                        |     |
| IP-2         | EA                    | 4                   | 2          | 2                      | 150 |
| IP-3         |                       |                     |            |                        |     |
| <b>TOTAL</b> |                       | 4                   | 2          | 2                      | 150 |

**IRRIGATION QUANTITIES  
IQ-1**

|      |        |       |                             |              |                 |
|------|--------|-------|-----------------------------|--------------|-----------------|
| Dist | COUNTY | ROUTE | POST MILES<br>TOTAL PROJECT | SHEET<br>No. | TOTAL<br>SHEETS |
| 04   | SF     | 80    | 7.8/8.0                     | 16           | 37              |

*Lydia Mac*  
 LICENSED LANDSCAPE ARCHITECT  
 May 17, 2019  
 PLANS APPROVAL DATE

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** LANDSCAPE ARCHITECTURE  
 SENIOR LANDSCAPE ARCHITECT  
 LYDIA MAC  
 CALCULATED/DESIGNED BY  
 CHECKED BY  
 REBECCA CALDERON  
 FELIX ONUKWUGHA  
 REVISED BY  
 DATE REVISED

**IRRIGATION CONDUIT**

| SHEET No. | IRRIGATION CONDUIT No. | LOCATION |         | SIDE |    | IRRIGATION SUPPLY LINE (INCH) | (N) SPRINKLER CONTROL CONDUIT | PVC PIPE (SLEEVE)   |             |
|-----------|------------------------|----------|---------|------|----|-------------------------------|-------------------------------|---------------------|-------------|
|           |                        | LINE     | STATION | L+   | R+ |                               |                               | CONDUIT SIZE (INCH) | LENGTH (LF) |
| IP-2      | 1                      | W        | 173+06  | X    | -  | 1                             | -                             | 6"                  | 12          |
|           |                        |          |         |      |    |                               | SUBTOTAL                      |                     | 12          |
|           |                        |          |         |      |    |                               | TOTAL                         |                     | 12          |

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY  
 X - DENOTES REQUIREMENT

**IRRIGATION QUANTITIES**  
 NO SCALE  
**IQ-2**

LAST REVISION | DATE PLOTTED => 16-OCT-2019  
 02-05-19 | TIME PLOTTED => 14:31



|      |        |       |                             |              |                 |
|------|--------|-------|-----------------------------|--------------|-----------------|
| Dist | COUNTY | ROUTE | POST MILES<br>TOTAL PROJECT | SHEET<br>No. | TOTAL<br>SHEETS |
| 04   | SF     | 80    | 7.8/8.0                     | 17           | 37              |

*Lydia Mac*  
LICENSED LANDSCAPE ARCHITECT

May 17, 2019  
PLANS APPROVAL DATE

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### PLANTING LEGEND

| PLANT GROUP | PLANT No. | SYMBOL | BOTANICAL NAME                                | COMMON NAME            | SIZE  | QUANTITY EACH | HOLE SIZE (INCH) |       | BASIN TYPE | SOIL AMENDMENT ① |      | IRON SULFATE ① | FERTILIZER ① |          | BASIN MULCH ② |        | STAKING | PLANTING LIMITS |                            |       |      |                |             | REMARKS |              |
|-------------|-----------|--------|-----------------------------------------------|------------------------|-------|---------------|------------------|-------|------------|------------------|------|----------------|--------------|----------|---------------|--------|---------|-----------------|----------------------------|-------|------|----------------|-------------|---------|--------------|
|             |           |        |                                               |                        |       |               | Diag             | DEPTH |            | TYPE             | RATE |                | RATE         | PLANTING | PLT ESTB      | TYPE   |         | RATE            | MINIMUM DISTANCE (FT) FROM |       |      | ON CENTER (FT) |             |         |              |
|             |           |        |                                               |                        |       |               |                  |       |            |                  |      | ETW            |              |          |               |        |         |                 | Pvm+                       | FENCE | WALL |                | PAVED DITCH |         | EARTH DITCH  |
| <b>A</b>    | 1         |        | <u>CEANOTHUS GLORIOSUS</u><br>'POINT REYES'   | POINT REYES            | No. 1 | 205           | 18               | 24    | I          | ⑤                | 1 CF | -              | 2 Pkt        | -        | TB            | 1.8 CF | -       | -               | 5                          | 6     | 6    | 6              | 6           | 5       | SHRUB        |
|             | 2         |        | <u>MIMULUS AURANTIACUS</u>                    | STICKY MONKEY FLOWER   | No. 1 | 277           | 18               | 24    | I          | ⑤                | 1 CF | -              | 2 Pkt        | -        | TB            | 1.8 CF | -       | -               | 3                          | 3     | 3    | 3              | 3           | 2       | SHRUB        |
|             | 3         |        | <u>ARTEMESIA CALIFORNICA</u>                  | CALIFORNIA SAGE        | No. 1 | 100           | 18               | 24    | I          | ⑤                | 1 CF | -              | 2 Pkt        | -        | TB            | 1.8 CF | -       | -               | 3                          | 3     | 3    | 3              | 3           | 2       | SHRUB        |
|             | 4         |        | <u>RIBES SANQUINEUM GLUTINOSUM</u>            | PINK FLOWERING CURRANT | No. 1 | 132           | 18               | 24    | I          | ⑤                | 1 CF | -              | 2 Pkt        | -        | TB            | 1.8 CF | -       | -               | 3                          | 3     | 3    | 3              | 3           | 3       | SHRUB        |
|             | 5         |        | <u>SALVIA SPATHACEA</u><br>'HUMMINGBIRD SAGE' | HUMMINGBIRD SAGE       | No. 1 | 246           | 18               | 24    | I          | ⑤                | 1 CF | -              | 2 Pkt        | -        | TB            | 1.8 CF | -       | -               | 3                          | 3     | 3    | 3              | 3           | 2       | GROUND COVER |

**APPLICABLE WHEN CIRCLED:**

- ① - QUANTITIES SHOWN ARE "PER PLANT" UNLESS SHOWN AS m<sup>2</sup> APPLICATION RATES
- ② - BASIN MULCH IN WOOD MULCH AREAS IS INCLUDED WITH MULCH AREA QUANTITIES SHOWN ON PLANTING PLAN
- 3 - SUFFICIENT TO RECEIVE ROOT BALL AND AMENDMENTS IF REQUIRED
- ④ - SEE DETAIL
- ⑤ - SEE SPECIAL PROVISIONS
- 6 - SEE STANDARD SPECIFICATIONS
- 7 - AS SHOWN ON PLANS
- 8 - UNLESS OTHERWISE SHOWN ON PLANS
- 9 - FOLIAGE PROTECTOR REQUIRED
- 10 - ROOT PROTECTOR REQUIRED
- 11 - ROOT BARRIER REQUIRED
- 12 - DEPARTMENT-FURNISHED

**ABBREVIATIONS:**

- C - COMPOST
- N - NITROLIZED FIR BARK
- P - PERLITE
- S - SPHAGNUM PEAT MOSS
- SB - SHREDDED BARK
- TB - TREE BARK
- TT - TREE TRIMMING
- V - VERMICULITE
- WC - WOOD CHIP

**LEGEND:**

- EXISTING SHRUB AND GROUND COVER TO REMAIN AND BE MAINTAINED
- LIMIT OF WEED BLOCK FABRIC AND MULCH

**NOTE:**

UNDERLINED PORTIONS OF BOTANICAL NAME INDICATE ABBREVIATIONS USED ON PLANTING PLANS.

**PLANT LEGEND  
PL-1**



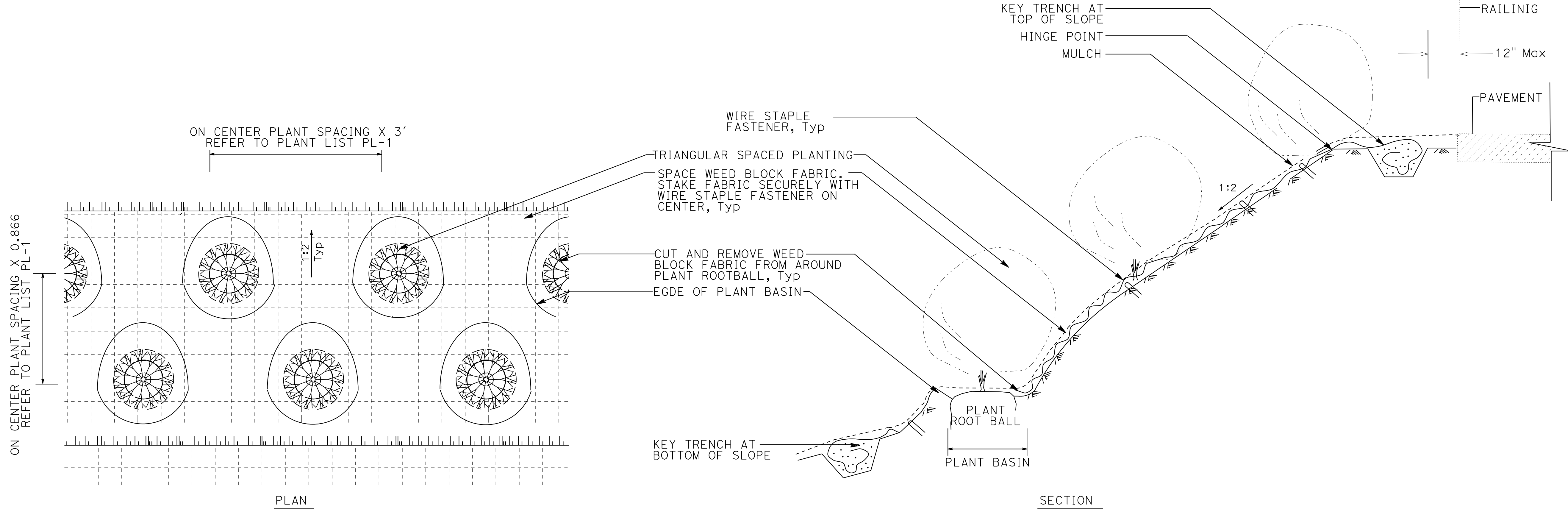


|      |        |       |                             |              |                 |
|------|--------|-------|-----------------------------|--------------|-----------------|
| Dist | COUNTY | ROUTE | POST MILES<br>TOTAL PROJECT | SHEET<br>No. | TOTAL<br>SHEETS |
| 04   | SF     | 80    | 7.8/8.0                     | 19           | 37              |

*Lydia Mac*  
 LICENSED LANDSCAPE ARCHITECT  
 May 17, 2019  
 PLANS APPROVAL DATE

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|                                                    |                  |              |
|----------------------------------------------------|------------------|--------------|
| STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | REBECCA CALDERON | REVISOR BY   |
| <b>Caltrans</b> LANDSCAPE ARCHITECTURE             | FELIX ONUKWUGHA  | DATE REVISED |
| SENIOR LANDSCAPE ARCHITECT                         | LYDIA MAC        | CHECKED BY   |
|                                                    |                  | DESIGNED BY  |



**SLOPE REVEGETATION PLANTING**

**PLANTING DETAILS**  
NO SCALE  
**PD-1**

LAST REVISION DATE PLOTTED => 16-OCT-2019  
 02-05-19 TIME PLOTTED => 14:41

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT  
 LYDIA MAC

CALCULATED/DESIGNED BY  
 CHECKED BY

REBECCA CALDERON  
 FELIX ONUKWUGHA

REVISED BY  
 DATE REVISED

|      |        |       |                             |              |                 |
|------|--------|-------|-----------------------------|--------------|-----------------|
| Dist | COUNTY | ROUTE | POST MILES<br>TOTAL PROJECT | SHEET<br>No. | TOTAL<br>SHEETS |
| 04   | SF     | 80    | 7.8/8.0                     | 20           | 37              |

*Lydia Mac*  
 LICENSED LANDSCAPE ARCHITECT

May 17, 2019  
 PLANS APPROVAL DATE

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**PLANT QUANTITIES**

| SHEET No. | PLANT GROUP     | SOIL AMENDMENT | COMMERCIAL FERTILIZER (PACKET) | WOOD MULCH | WEED BLOCK FABRIC |
|-----------|-----------------|----------------|--------------------------------|------------|-------------------|
|           | PLANT (GROUP A) | PLANT HOLE     | PLANT HOLE                     | AREA       | BASIN             |
|           | EA              | CY             | PK                             | CY         | SQFT              |
| PP-1      | 960             | 37             | 1920                           | 94         | 10,200            |
| TOTAL     | 960             | 37             | 1920                           | 94         | 10,200            |

**PLANTING QUANTITIES  
 PQ-1**

FUNCTIONAL SUPERVISOR: JEANNE GORHAM  
 ALEX MCDONALD  
 CALIE TSUI  
 AM  
 10-24-18

REVISOR: AM  
 DATE: 10-24-18

CHECKED BY: [Blank]

DESIGNED BY: [Blank]

CHECKED BY: [Blank]

DESIGNED BY: [Blank]

CHECKED BY: [Blank]

DESIGNED BY: [Blank]

CHECKED BY: [Blank]

DESIGNED BY: [Blank]

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DESIGNED BY: [Blank]

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DESIGNED BY: [Blank]

CHECKED BY: [Blank]

|      |        |       |                          |           |              |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 04   | SF     | 80    | 7.8/8.0                  | 21        | 37           |

Alex McDonald  
 LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE: 8-31-20  
 Renewal Date: 10-26-18

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

**SEED MIX**

| BOTANICAL NAME (COMMON NAME)                | PERCENT GERMINATION (MINIMUM) | POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT) |
|---------------------------------------------|-------------------------------|----------------------------------------------------|
| BROMUS CARINATUS (CALIFORNIA BROME)         | 40                            | 8                                                  |
| ELYMUS GLAUCUS (BLUE WILDRIE)               | 40                            | 8                                                  |
| ESCHSCHOLZIA CALIFORNICA (CALIFORNIA POPPY) | 35                            | 2                                                  |
| FESTUCA IDAHOENSIS (IDAHO FESCUE)           | 35                            | 8                                                  |
| HORDEUM BRACHYANTHERUM (BARLEY)             | 40                            | 6                                                  |
| LUPINUS NANUS (SKY LUPINE)                  | 40                            | 3                                                  |
| POA SECUNDA (NATIVE PINE BLUEGRASS)         | 30                            | 4                                                  |
| STIPA CERNUA (NODDING NEEDLEGRASS)          | 35                            | 8                                                  |
| STIPA PULCHRA (PURPLE NEEDLEGRASS)          | 35                            | 12                                                 |
| TRIFOLIUM TRIDENTATUM (TOMCAT CLOVER)       | 50                            | 5                                                  |
| VULPIA MICROSTACHYS (THREE WEEKS FESCUE)    | 45                            | 6                                                  |

**EROSION CONTROL TYPE 1**

| SEQUENCE | ITEM           | MATERIAL                                             |                       | APPLICATION RATE | REMARKS                           |
|----------|----------------|------------------------------------------------------|-----------------------|------------------|-----------------------------------|
|          |                | DESCRIPTION                                          | TYPE                  |                  |                                   |
| STEP 1   | COMPOST        | COMPOST                                              | FINE                  | 68 CY/ACRE       | 0.5" DEPTH                        |
| STEP 2   | RECP (NETTING) | 100% WOVEN COIR (COCONUT FIBER) (63% ± 5% OPEN AREA) | TYPE A                |                  | Std PLAN H52                      |
| STEP 3   | FIBER ROLLS    | RICE STRAW FILLED AND JUTE COVERED                   | 8 TO 10 INCHES IN Dia |                  | Std PLAN H51, INSTALLATION TYPE 2 |
| STEP 4   | HYDROSEED      | SEED                                                 | MIX                   | 70 LB/ACRE       |                                   |
|          |                | FIBER                                                | WOOD                  | 1,000 LB/ACRE    |                                   |
|          |                | FERTILIZER                                           | ORGANIC               | 600 LB/ACRE      |                                   |
| STEP 5   | HYDROMULCH     | FIBER                                                | ALTERNATE             | 2,000 LB/ACRE    |                                   |
|          |                | TACKIFIER                                            | PSYLLIUM              | 200 LB/ACRE      |                                   |

**EROSION CONTROL QUANTITIES**

| EC SHEET | DESCRIPTION | COMPOST (CY) | RECP (NETTING) | HYDROMULCH | HYDROSEED | FIBER ROLLS |
|----------|-------------|--------------|----------------|------------|-----------|-------------|
|          |             | CY           | SQFT           |            |           | LF          |
| 1        | EC TYPE 1   | 6            | 3850           | 3850       | 3850      | 554         |
| TOTAL    |             | 6            | 3850           | 3850       | 3850      | 554         |

**EROSION CONTROL LEGEND AND QUANTITIES**

**ECL-1**



FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

**LEGEND:**



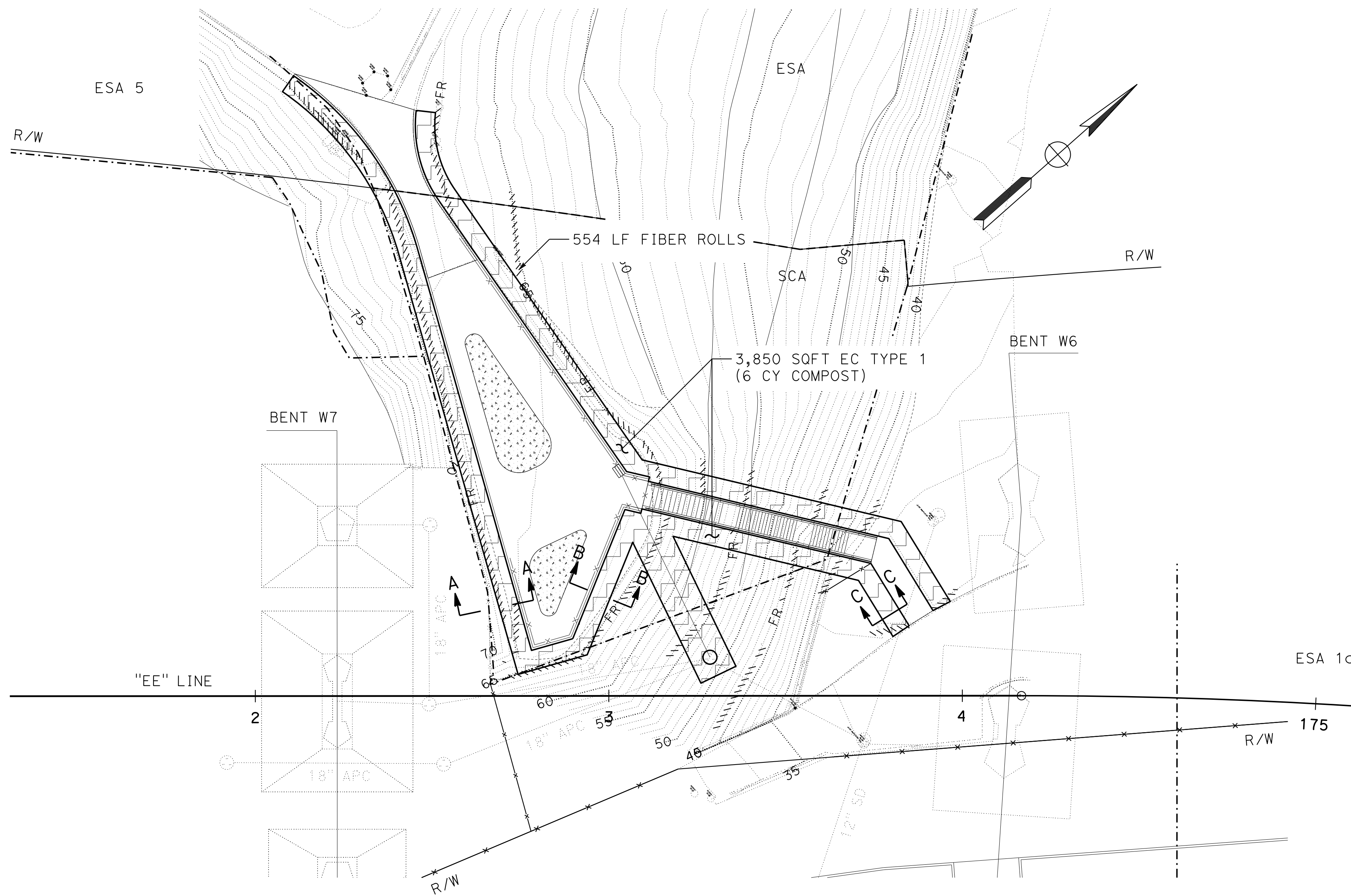
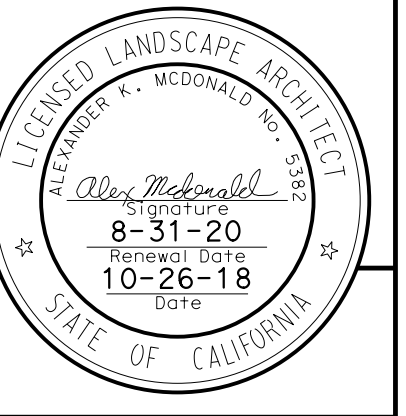
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 04   | SF     | 80    | 7.8/8.0                  | 22        | 37           |

*Alex McDonald*  
 LICENSED LANDSCAPE ARCHITECT

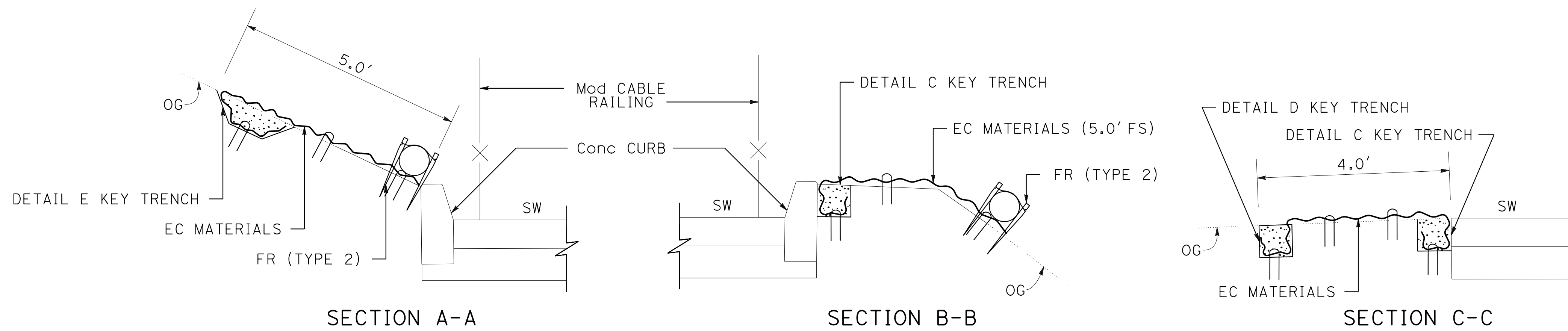
PLANS APPROVAL DATE

8-31-20  
 10-26-18

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



**NIMITZ PLATEAU**  
 PLAN



APPROVED FOR  
 EROSION CONTROL WORK ONLY

**EROSION CONTROL PLAN**  
**NIMITZ PLATEAU**  
 SCALE 1"=20'

**EC-1**

|                                                    |                       |               |          |
|----------------------------------------------------|-----------------------|---------------|----------|
| STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | FUNCTIONAL SUPERVISOR | REVISOR       | DATE     |
| <b>Water Quality</b>                               | JEANNE GORHAM         | ALEX MCDONALD | AM       |
|                                                    |                       | CALIE TSUI    | 10-24-18 |
|                                                    |                       |               |          |



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**® ELECTRICAL DESIGN

**NOTE:**  
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT  
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

- NOTES:**
- 1 INSTALL CCSF PEDESTRIAN LIGHT TYPE LP160, ALCOTT TYPE 3
  - 2 INSTALL 1" C, 3 #10
  - 3 INSTALL 3/4" C, 3 #12
  - 4 INSTALL 15A CIRCUIT BREAKER INSIDE THE PANEL

- SYMBOLS:**
- ☉ PEDESTRIAN LIGHT
  - UNDERGROUND 1" C
  - PULL BOX No. 5

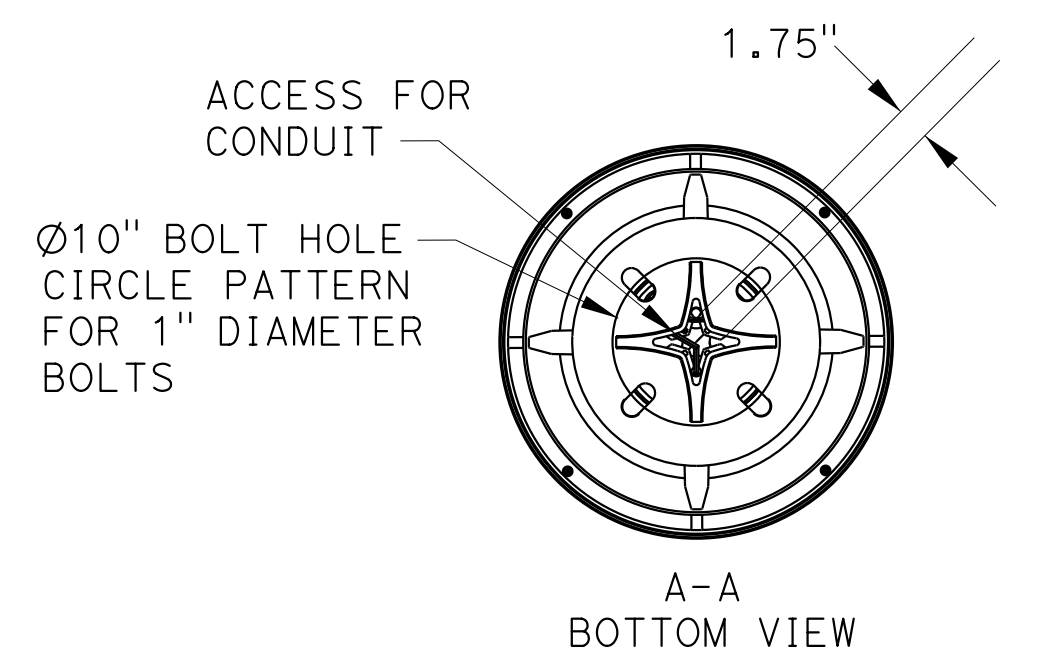
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|------|--------|---------------|--------------------------|-----------|--------------|
| Dist | COUNTY | LOCATION CODE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 04   | SF     | 80            | 7.8/8.0                  | 23        | 37           |

*Nabeel Alkhatib* 10-29-18  
 REGISTERED CIVIL ENGINEER DATE

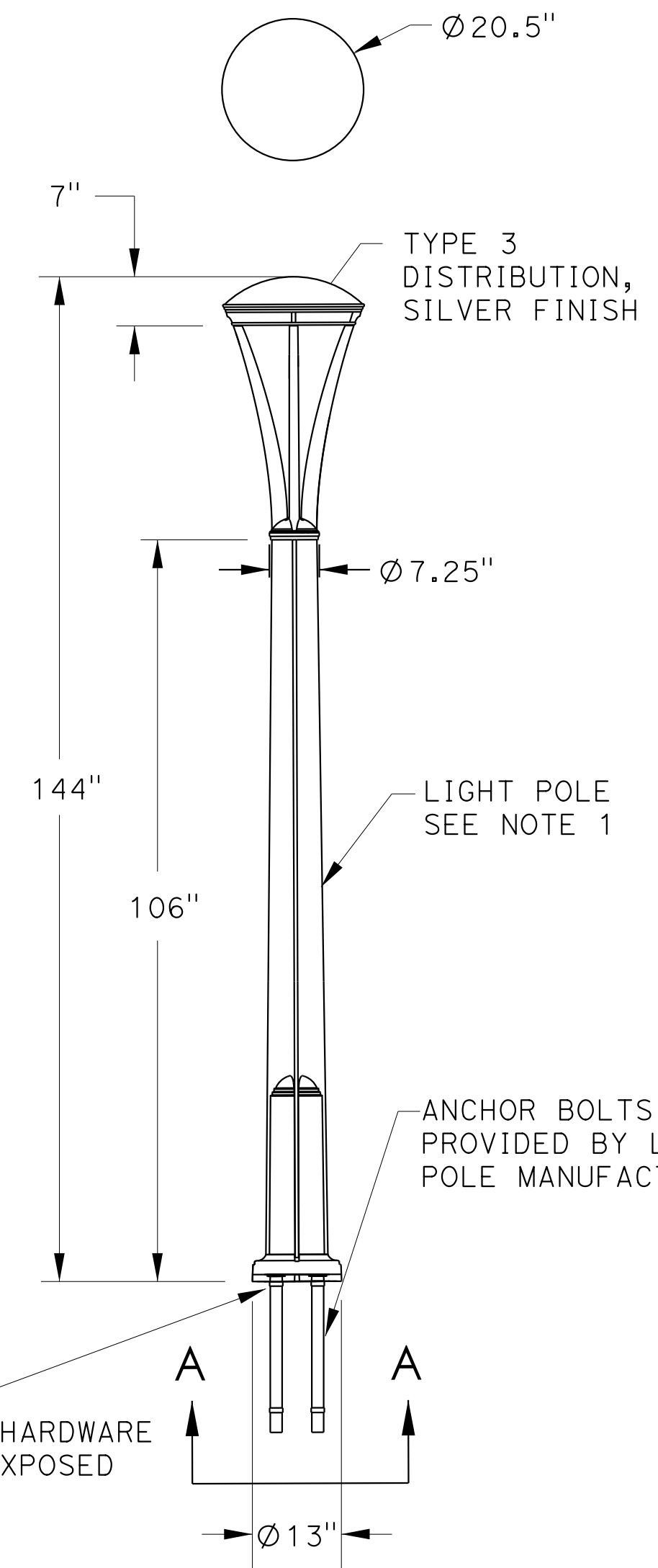
May 17, 2019  
 PLANS APPROVAL DATE

*Nabeel F. Alkhatib*  
 No. 17162  
 Exp. 9-30-21  
 ELECTRICAL

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

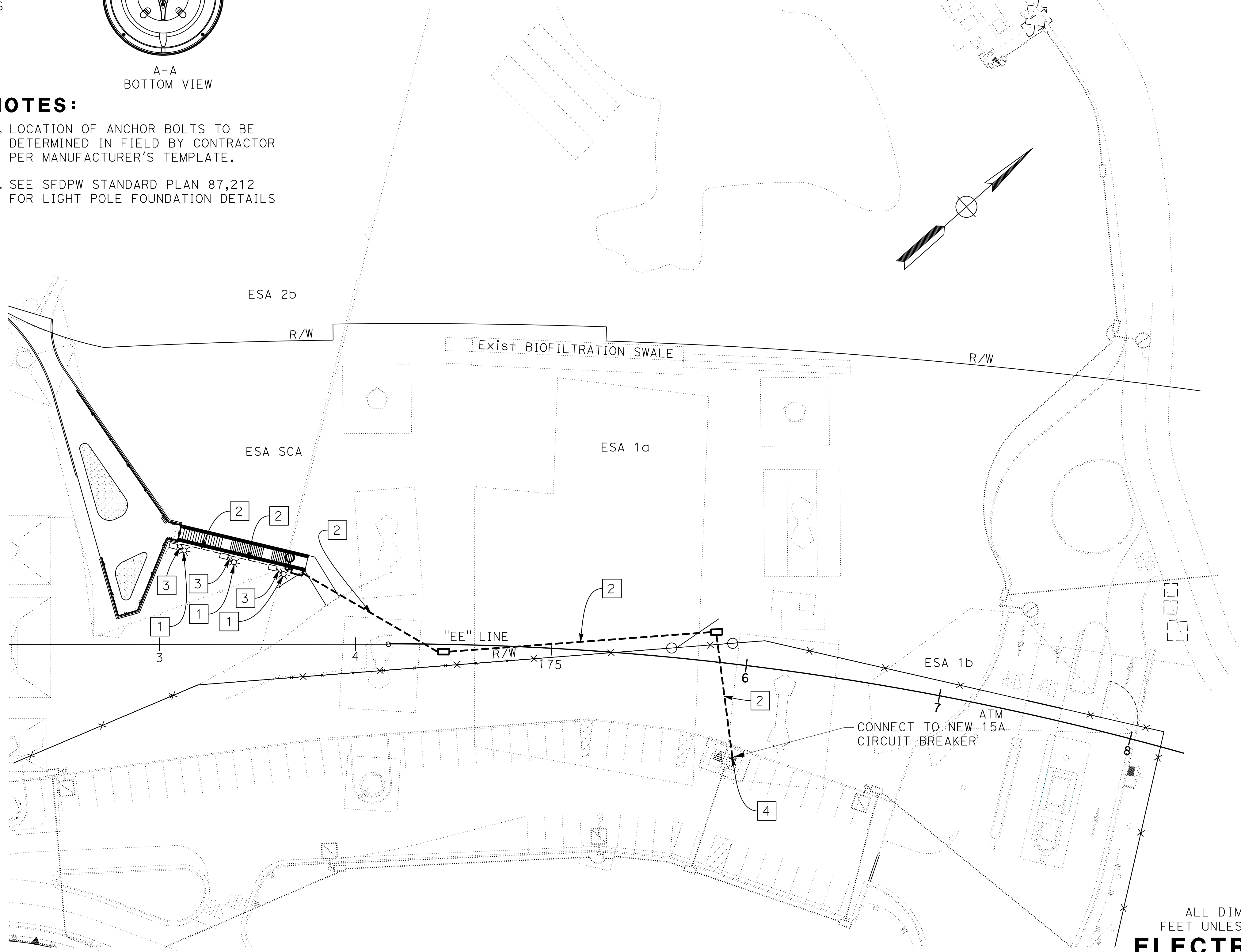


- NOTES:**
- A. LOCATION OF ANCHOR BOLTS TO BE DETERMINED IN FIELD BY CONTRACTOR PER MANUFACTURER'S TEMPLATE.
  - B. SEE SFDPW STANDARD PLAN 87,212 FOR LIGHT POLE FOUNDATION DETAILS



NOTE:  
 LEVELING HARDWARE WILL BE EXPOSED

**ELEVATION POST TOP DETAIL**  
 NOT TO SCALE



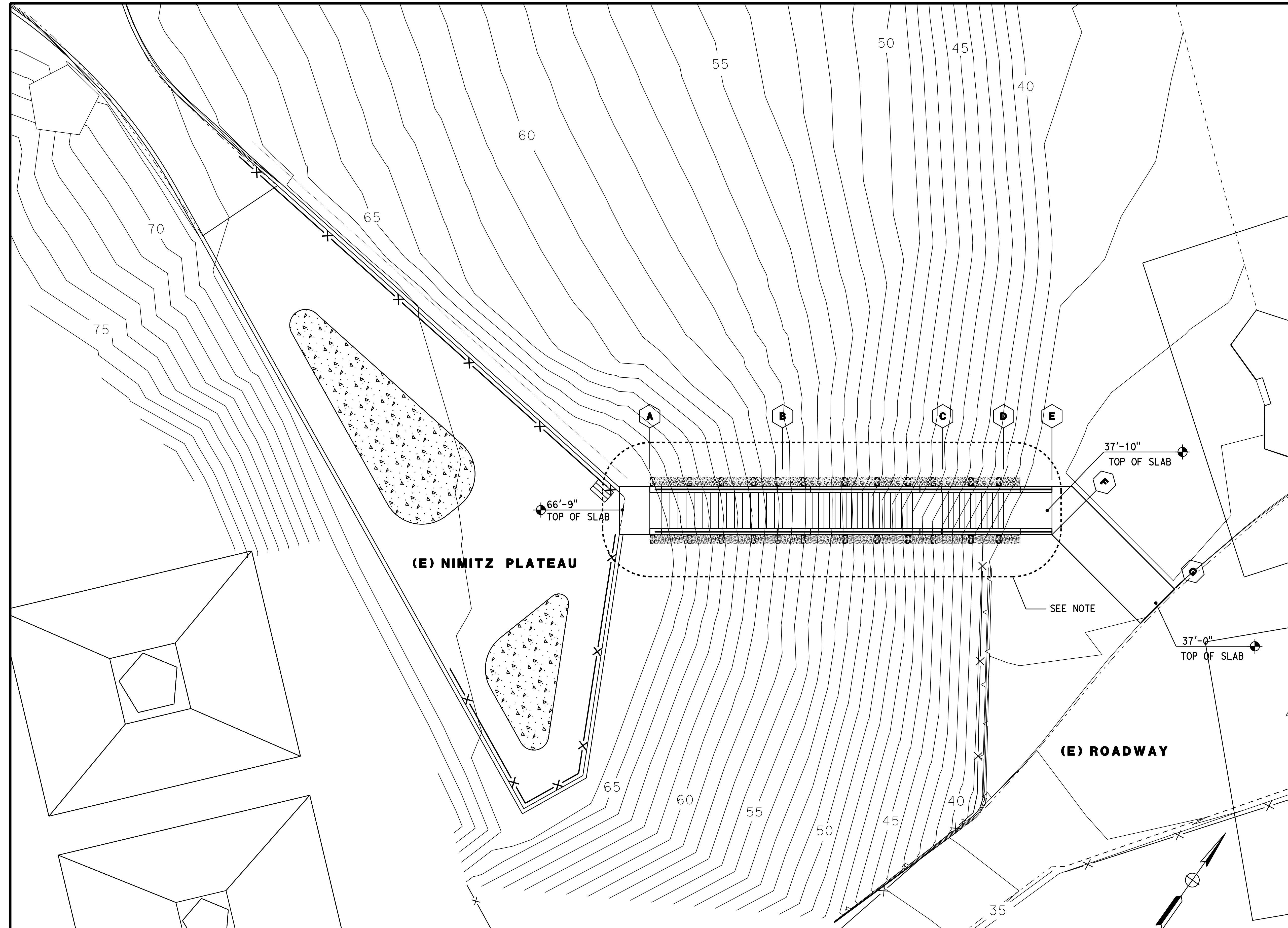
ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN  
**ELECTRICAL PLAN**  
**SUNDIAL PLAZA**  
 SCALE 1"=30'

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 04   | SF     | 80    | 7.8/8.0                  | 24        | 37           |

*Frank Thomas*  
 LICENSED ARCHITECT  
 DATE 10-18-18  
 05-17-2019  
 PLANS APPROVAL DATE

LICENSED ARCHITECT  
 FRANK THOMAS  
 No. C31406  
 04-30-21  
 RENEWAL DATE  
 STATE OF CALIFORNIA

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- NOTE**
- SEE ROADWAY PLANS FOR ROADWAY CURB.
  - (E) SLOPE TO BE EXCAVATED AND BACKED FILL BEFORE STAIRS INSTALLATION, SEE ROADWAY PLANS.
  - SEE ST-2 THRU ST1-7 FOR CONCRETE AND STEEL DETAILS.
  - CONCRETE TO BE COATED WITH CONCRETE HARDENER WITH OIL AND GREASE SEALER.
  - CONCRETE STEP AND LANDING MUST BE MEDIUM BROOM TEXTURE FINISH.
  - GALVANIZED HANDRAIL, PIPE RAIL, POST AND HANDRAIL SUPPORT.

**SITE PLAN**  
SCALE 1/8" = 1'-0"

|                                                                                                                |                                                     |                                                                         |                                                                           |                                                         |                                                         |
|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| DESIGN BY F. THOMAS<br>CHECKED F. THOMAS<br>DETAILS BY S. YEH<br>CHECKED F. THOMAS<br>QUANTITIES BY<br>CHECKED | STATE OF CALIFORNIA<br>DEPARTMENT OF TRANSPORTATION | DIVISION OF ENGINEERING SERVICES<br>ARCHITECTURAL AND STRUCTURAL DESIGN | BRIDGE No. 59V04<br>POST MILE 8.3                                         | YERBA BUENA ISLAND USCG STAIRS<br>PARTIAL SITE PLAN     | SHEET A1-1 OF                                           |
|                                                                                                                | ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3  |                                                                         | UNIT: 3584 CONTRACT No.: 04-3A6414<br>PROJECT NUMBER & PHASE: 04190001531 | DISREGARD PRINTS BEARING EARLIER REVISION DATES 8-22-18 | REVISION DATES (PRELIMINARY STAGE ONLY)<br>SHEET OF X X |
|                                                                                                                | TAEMWW Imperial - CCSC Rev. 04/14                   |                                                                         |                                                                           |                                                         |                                                         |

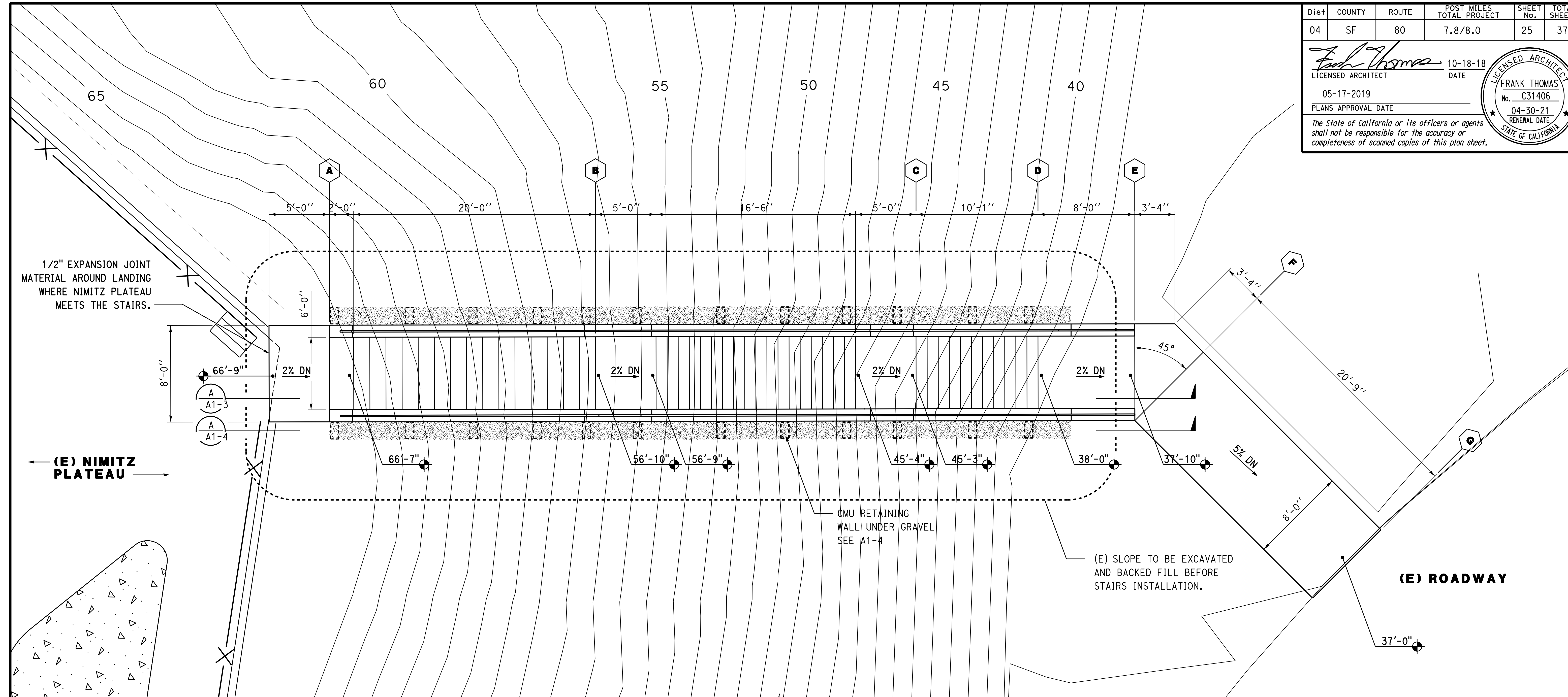
17-OCT-2019 13:39



|      |        |       |                          |           |              |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 04   | SF     | 80    | 7.8/8.0                  | 25        | 37           |

*Frank Thomas*  
 LICENSED ARCHITECT  
 DATE 10-18-18  
 PLANS APPROVAL DATE 05-17-2019  
 RENEWAL DATE 04-30-21  
 No. C31406  
 STATE OF CALIFORNIA

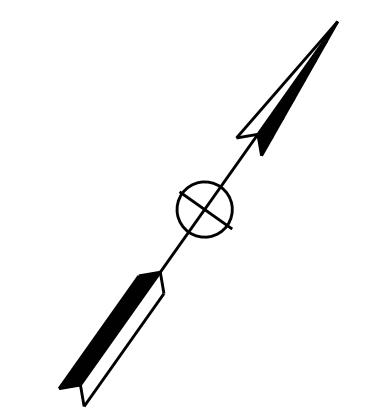
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**GENERAL NOTES**

1. ALL ELEVATIONS NOTED ARE TOP OF SLAB.
2. LEVEL CHANGE FROM TOP LANDING TO (E) NIMITZ PLATEAU MUST NOT EXCEED 1/2".
3. LEVEL CHANGE FROM BOTTOM OF LANDING TO (E) ROADWAY MUST NOT EXCEED 1/2".
4. TREAD SLOPE TO BE 1.5% MIN TO 2 % MAX.

**FLOOR PLAN**  
SCALE 1/4" = 1'-0"



|                                                                                                                |                                                                   |                                                                                       |                                                 |                                                    |                      |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------------------------|----------------------|
| DESIGN BY F. THOMAS<br>CHECKED F. THOMAS<br>DETAILS BY S. YEH<br>CHECKED F. THOMAS<br>QUANTITIES BY<br>CHECKED | <b>STATE OF CALIFORNIA</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>DIVISION OF ENGINEERING SERVICES</b><br><b>ARCHITECTURAL AND STRUCTURAL DESIGN</b> | BRIDGE No.<br>59V04                             | <b>YERBA BUENA ISLAND USCG STAIRS</b>              | SHEET<br><b>A1-2</b> |
|                                                                                                                |                                                                   |                                                                                       | POST MILE<br>8.3                                |                                                    |                      |
| ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3                                                             |                                                                   | UNIT: 3584 CONTRACT No.: 04-3A6414<br>PROJECT NUMBER & PHASE: 04190001531             | DISREGARD PRINTS BEARING EARLIER REVISION DATES | REVISION DATES (PRELIMINARY STAGE ONLY)<br>8-22-18 | SHEET OF<br>X X      |

TAEMWW Imperial - CCSC Rev. 04/14

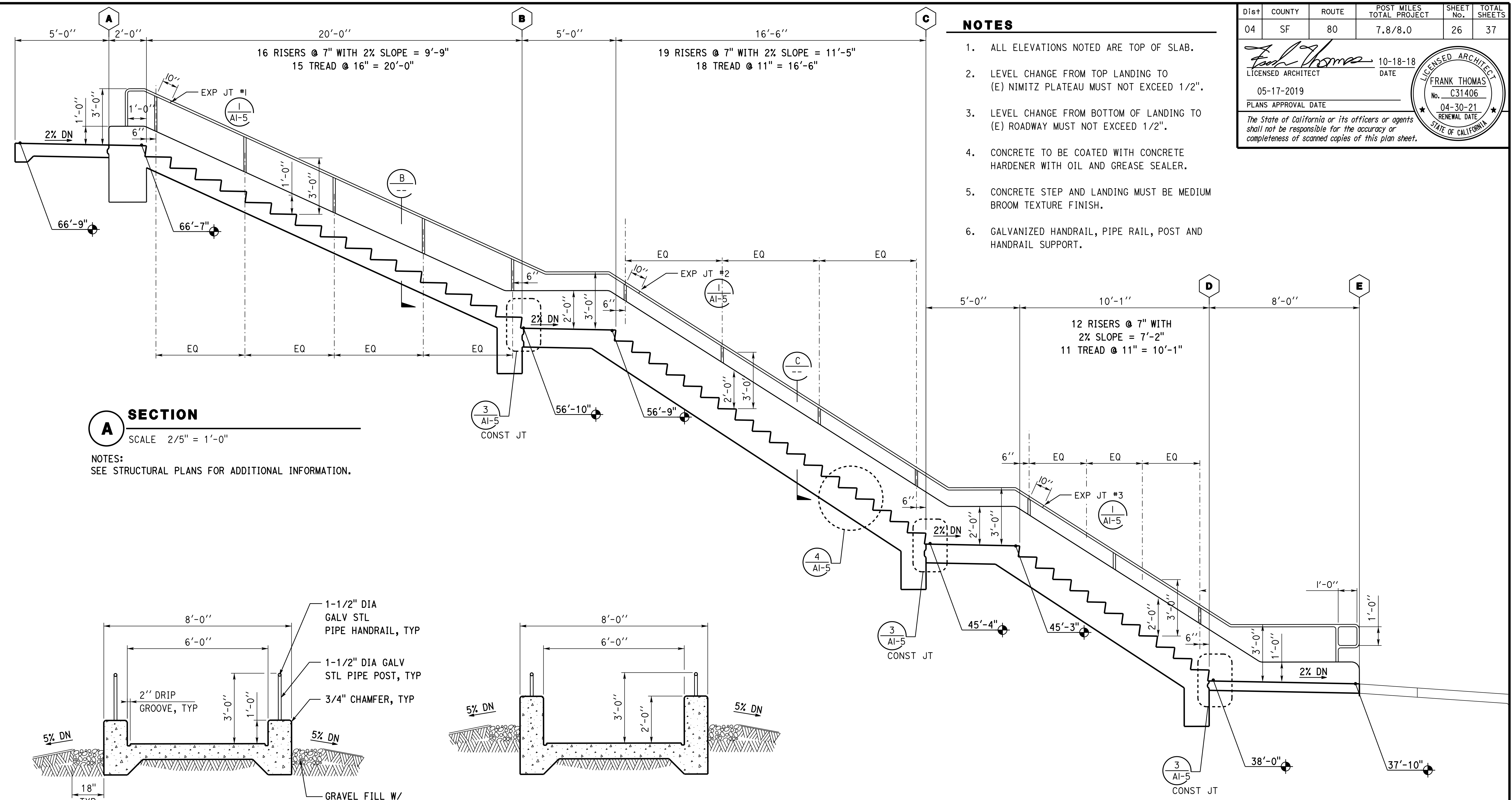
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17-OCT-2019 13:39

|      |        |       |                          |           |              |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 04   | SF     | 80    | 7.8/8.0                  | 26        | 37           |

Frank Thomas  
 LICENSED ARCHITECT  
 DATE 10-18-18  
 PLANS APPROVAL DATE 05-17-2019  
 No. C31406  
 RENEWAL DATE 04-30-21  
 STATE OF CALIFORNIA

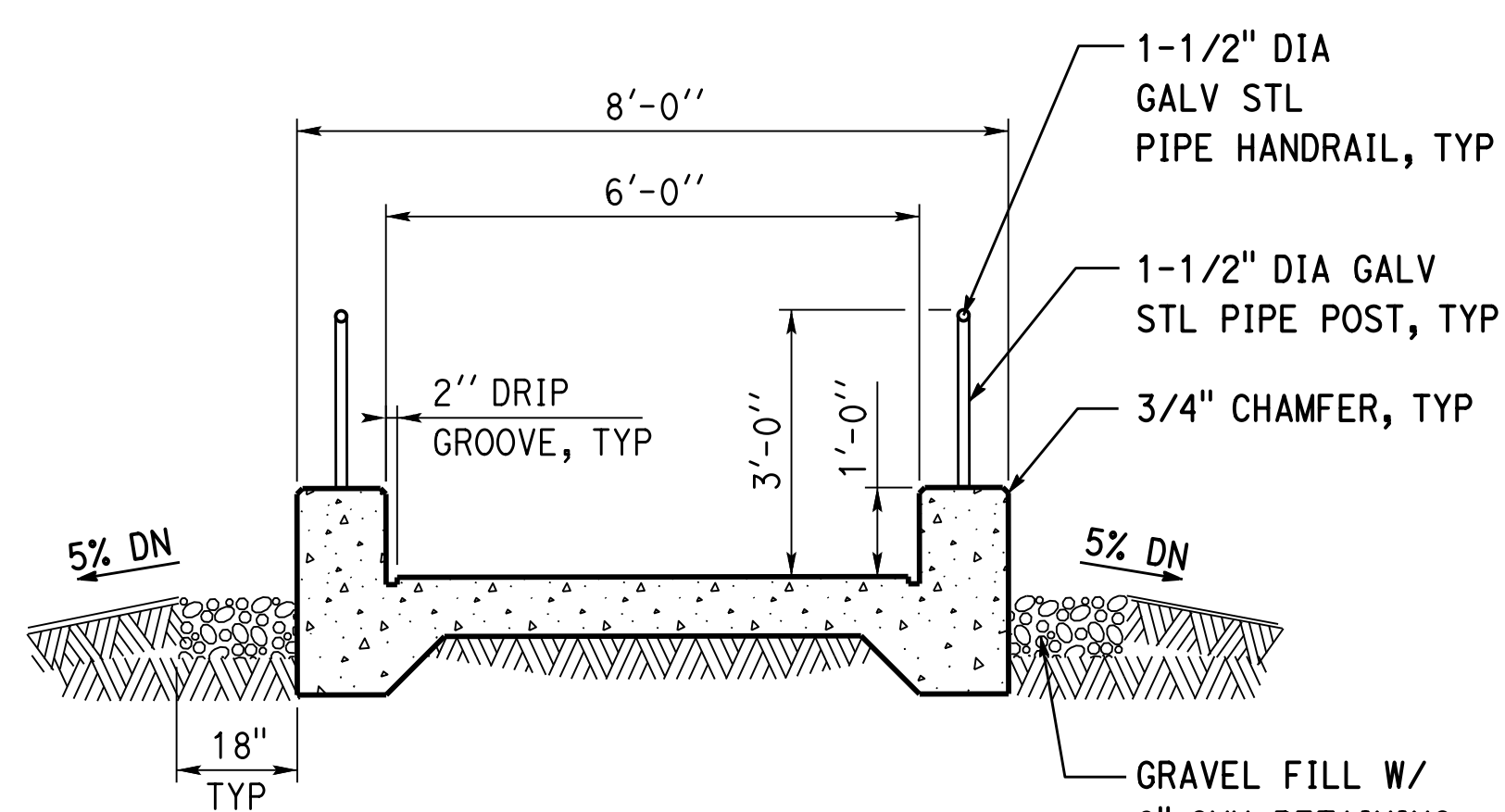
- NOTES**
- ALL ELEVATIONS NOTED ARE TOP OF SLAB.
  - LEVEL CHANGE FROM TOP LANDING TO (E) NIMITZ PLATEAU MUST NOT EXCEED 1/2".
  - LEVEL CHANGE FROM BOTTOM OF LANDING TO (E) ROADWAY MUST NOT EXCEED 1/2".
  - CONCRETE TO BE COATED WITH CONCRETE HARDENER WITH OIL AND GREASE SEALER.
  - CONCRETE STEP AND LANDING MUST BE MEDIUM BROOM TEXTURE FINISH.
  - GALVANIZED HANDRAIL, PIPE RAIL, POST AND HANDRAIL SUPPORT.



**A SECTION**  
 SCALE 2/5" = 1'-0"  
 NOTES:  
 SEE STRUCTURAL PLANS FOR ADDITIONAL INFORMATION.

**B SECTION**  
 SCALE 1/2" = 1'-0"  
 NOTES:  
 1. SEE STRUCTURAL PLANS FOR ADDITIONAL INFORMATION.  
 2. CMU RETAINING WALL MUST BE HELD 2" FROM THE STAIR CURB FOR WATER DRAINAGE.

**C SECTION**  
 SCALE 1/2" = 1'-0"



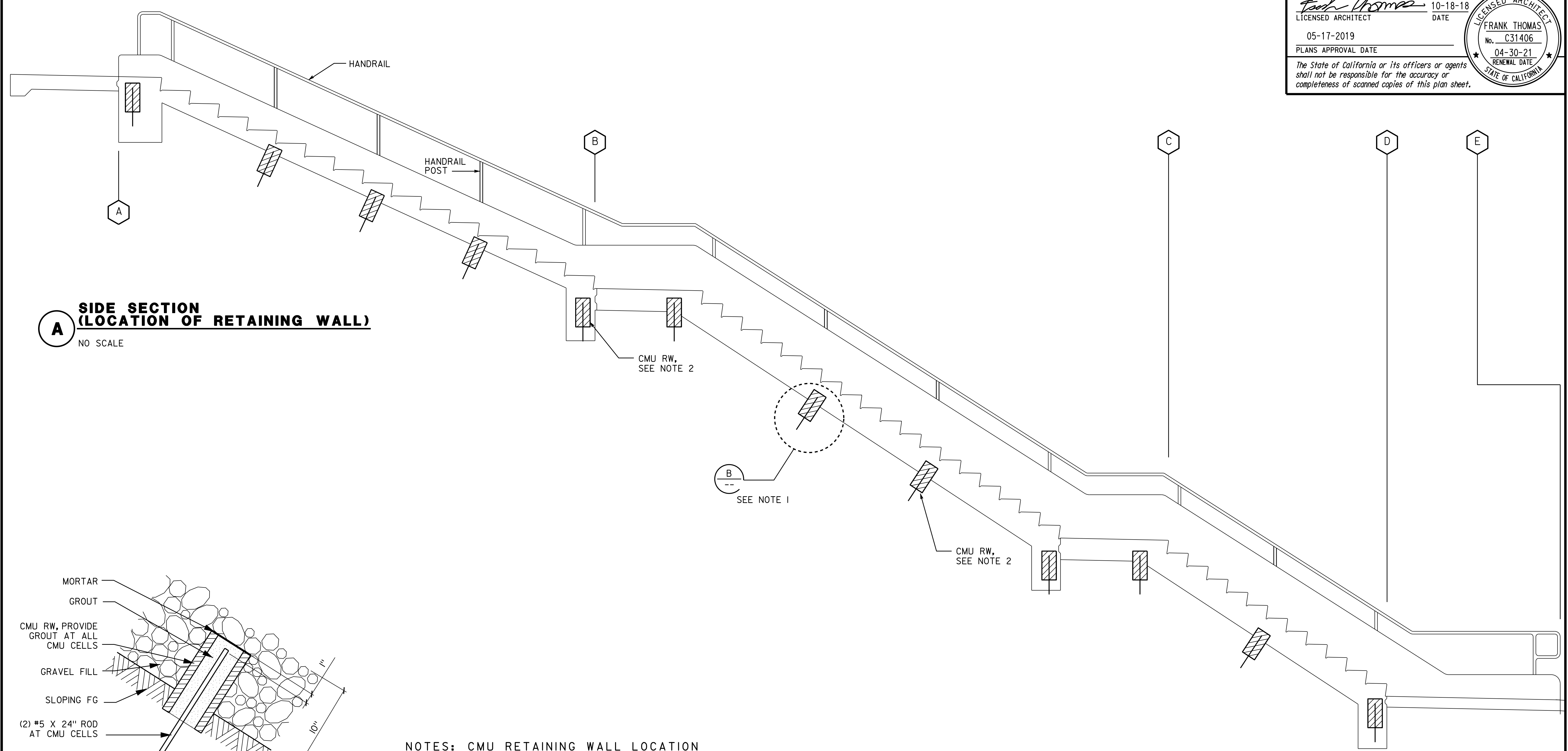
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|------------|---------|-----------|---------|-----------|-----------------------------------------------------|-------|-------------------------------------------------------------------------|-----|----------------------------------------------------|----------|-----|
| DESIGN     | BY      | F. THOMAS | CHECKED | F. THOMAS | BRIDGE No.                                          | 59V04 | POST MILE                                                               | 8.3 | REVISION DATES (PRELIMINARY STAGE ONLY)            | SHEET OF | X X |
|            | DETAILS | BY        | S. YEH  | CHECKED   |                                                     |       |                                                                         |     |                                                    |          |     |
| QUANTITIES | BY      |           | CHECKED |           | STATE OF CALIFORNIA<br>DEPARTMENT OF TRANSPORTATION |       | DIVISION OF ENGINEERING SERVICES<br>ARCHITECTURAL AND STRUCTURAL DESIGN |     | YERBA BUENA ISLAND USCG STAIRS<br>SECTIONS<br>A1-3 |          |     |

UNIT: 3584 CONTRACT No.: 04-3A6414 PROJECT NUMBER & PHASE: 04190001531  
 DISREGARD PRINTS BEARING EARLIER REVISION DATES → 8-23-18  
 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3  
 TAEMWW Imperial - CCSC Rev. 04/14  
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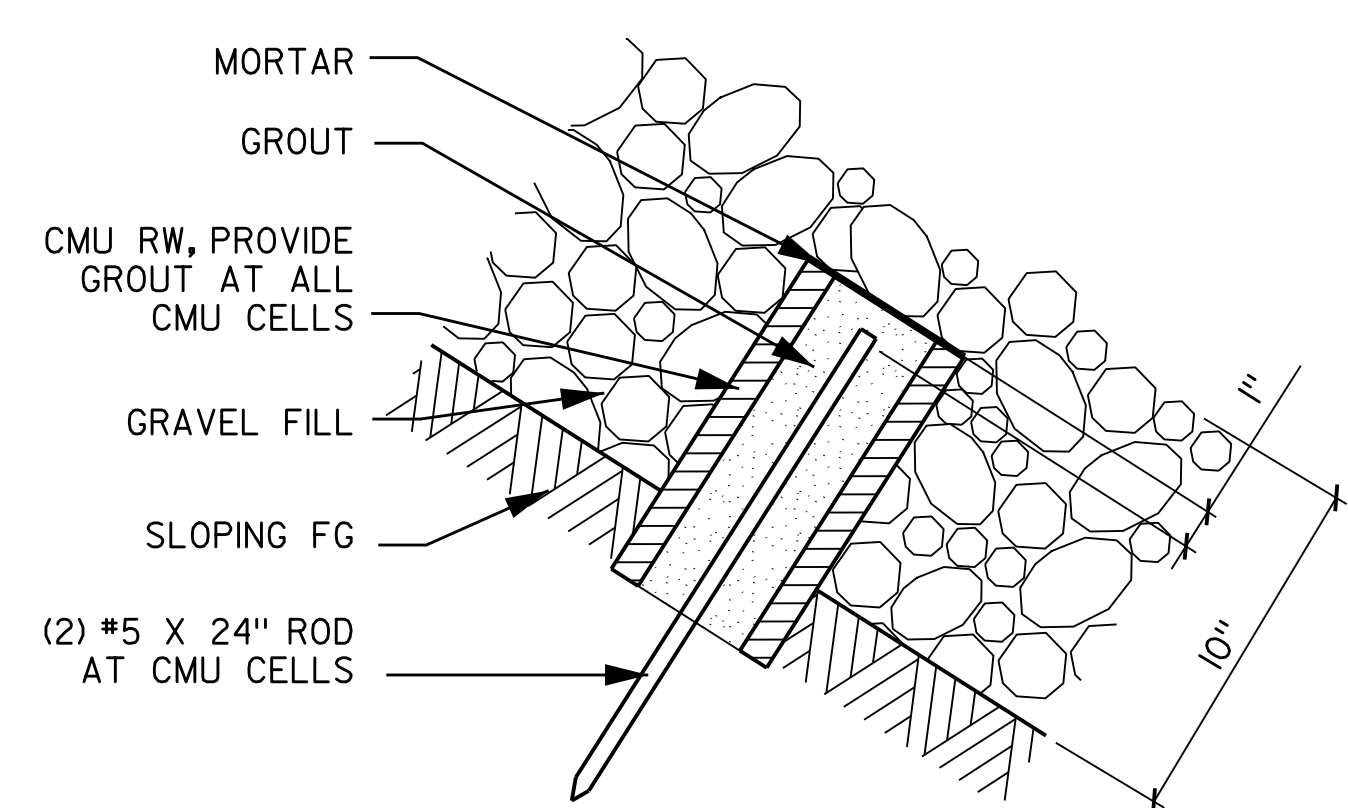
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|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 04   | SF     | 80    | 7.8/8.0                  | 27        | 37           |

*Frank Thomas*  
 LICENSED ARCHITECT  
 DATE 10-18-18  
 PLANS APPROVAL DATE 05-17-2019  
 No. C31406  
 RENEWAL DATE 04-30-21  
 STATE OF CALIFORNIA

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**A SIDE SECTION (LOCATION OF RETAINING WALL)**  
NO SCALE



**B CMU RETAINING WALL**  
NO SCALE

- NOTES: CMU RETAINING WALL LOCATION**
1. LOCATION OF CMU RETAINING WALL SHALL BE ALIGNED TO VERTICAL POSITION OF HANDRAIL POST UNLESS OTHERWISE NOTED.
  2. LOCATION OF THE CMU RETAINING WALL SHALL BE VERIFIED IN FIELD. CMU SHALL BE SECURED WITH (2) #5 X 24" ROD.

|            |         |           |         |           |                     |                                |               |
|------------|---------|-----------|---------|-----------|---------------------|--------------------------------|---------------|
| DESIGN     | BY      | F. THOMAS | CHECKED | F. THOMAS | BRIDGE No.<br>59V04 | YERBA BUENA ISLAND USCG STAIRS | SHEET<br>A1-4 |
|            | DETAILS | BY        | S. YEH  | CHECKED   |                     |                                |               |
| QUANTITIES | BY      |           | CHECKED |           | POST MILE<br>8.3    | SECTION                        |               |

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF ENGINEERING SERVICES  
 ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3584 CONTRACT No.: 04-3A6414  
 PROJECT NUMBER & PHASE: 04190001531

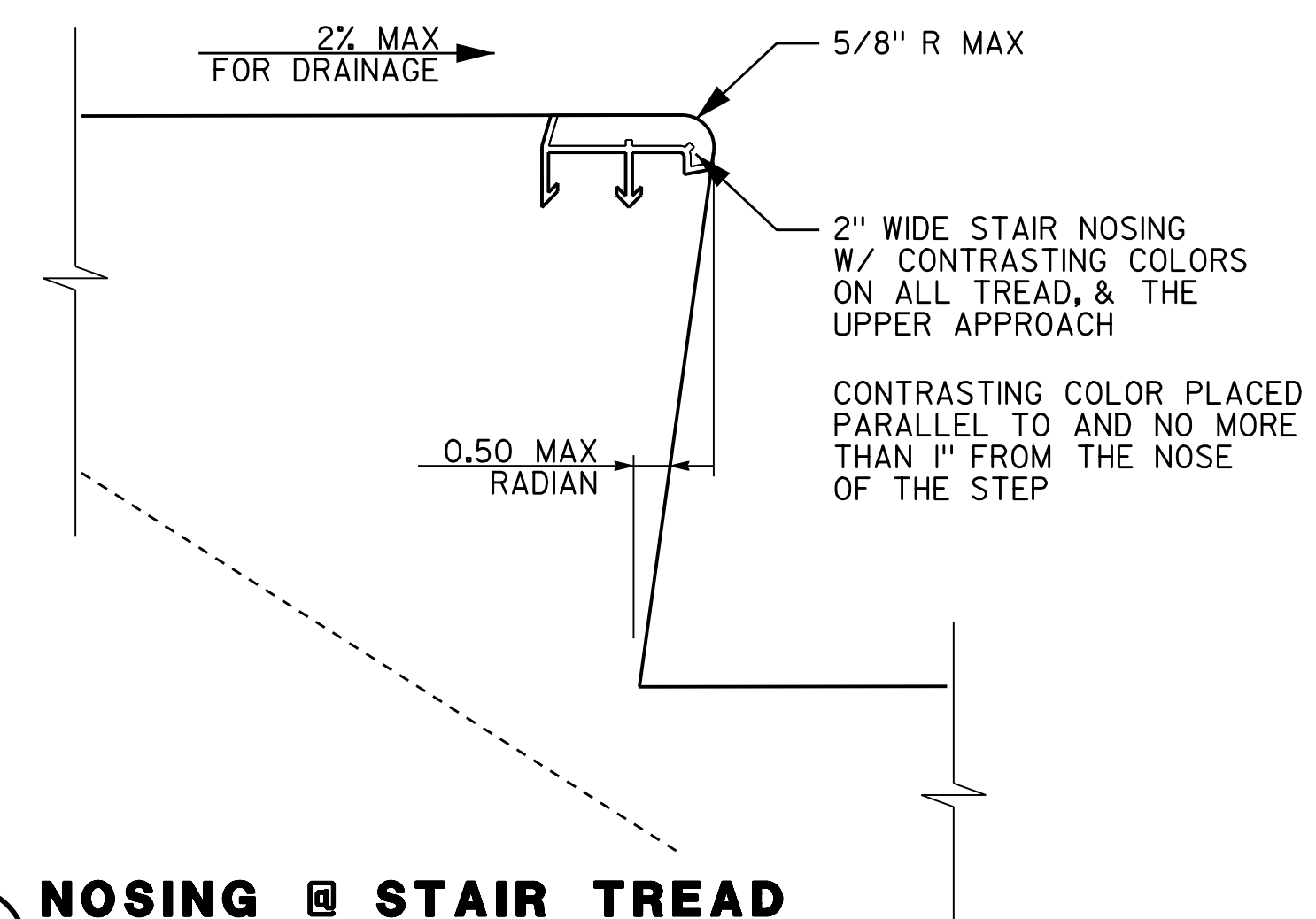
DISREGARD PRINTS BEARING EARLIER REVISION DATES  
 REVISION DATES (PRELIMINARY STAGE ONLY)  
 9-10-18

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS  
 0 1 2 3

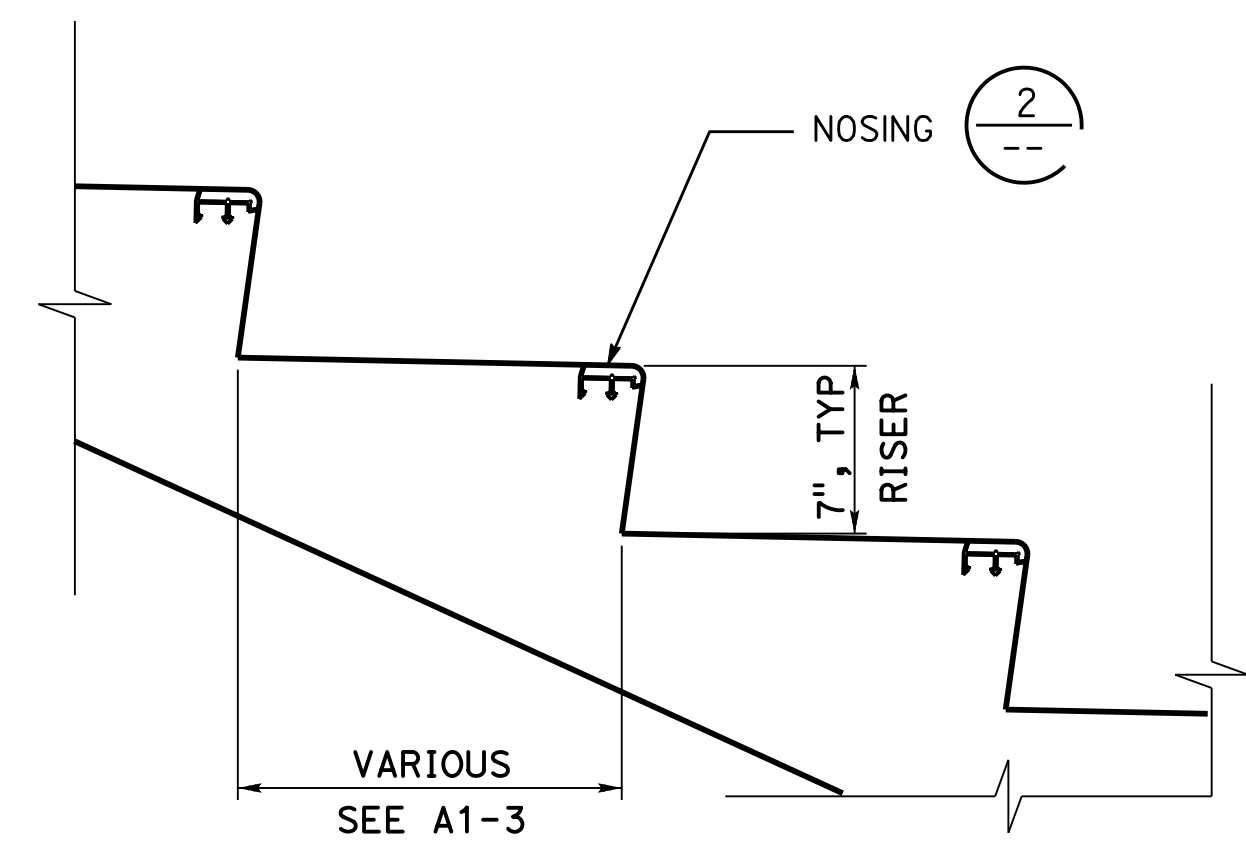
TAEMWW Imperial - CCSC Rev. 04/14  
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| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 04   | SF     | 80    | 7.8/8.0                  | 28        | 37           |

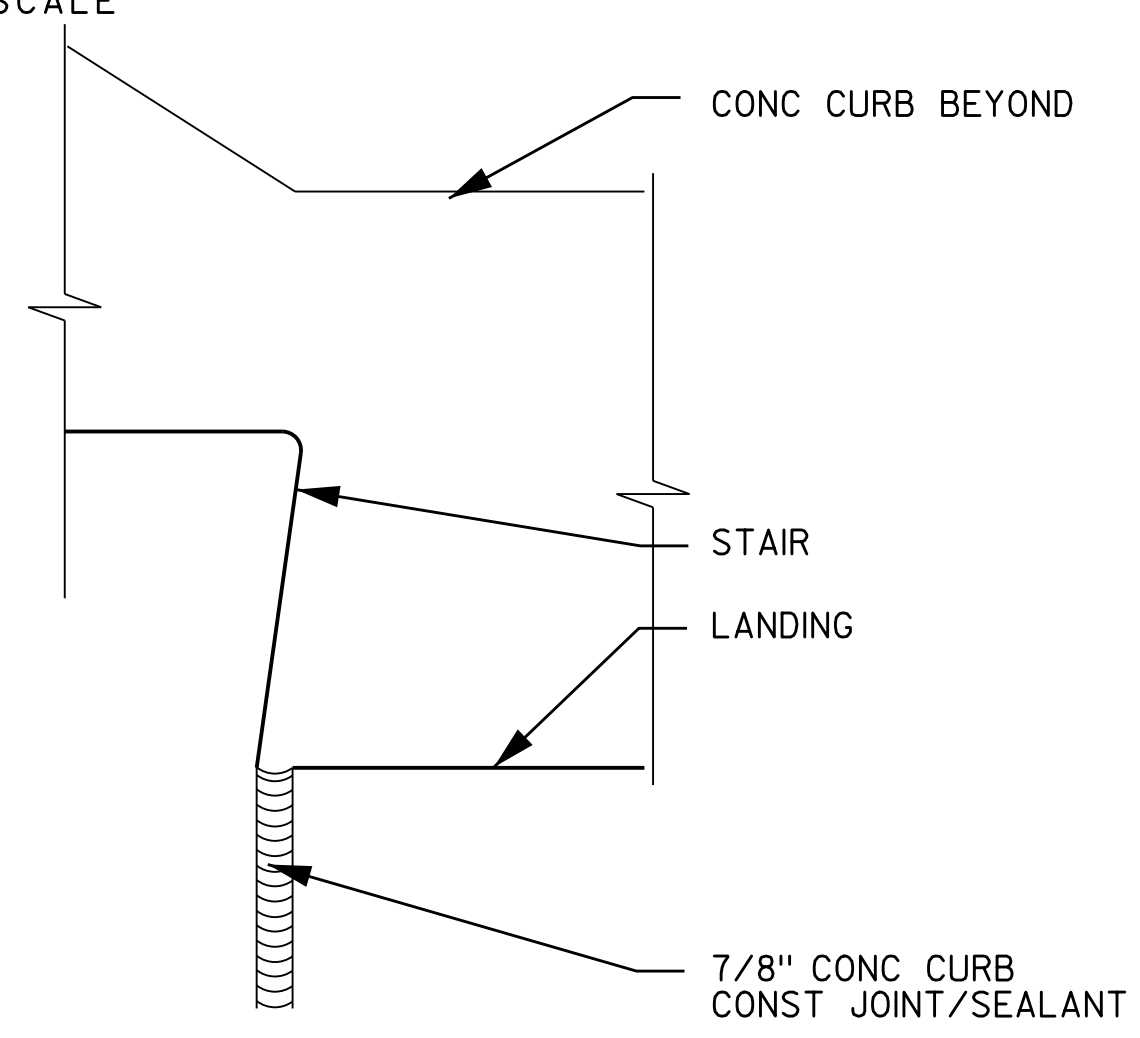
*Frank Thomas*  
 LICENSED ARCHITECT DATE 10-18-18  
 05-17-2019  
 PLANS APPROVAL DATE  
 LICENSED ARCHITECT  
 FRANK THOMAS  
 No. C31406  
 04-30-21 RENEWAL DATE  
 STATE OF CALIFORNIA  
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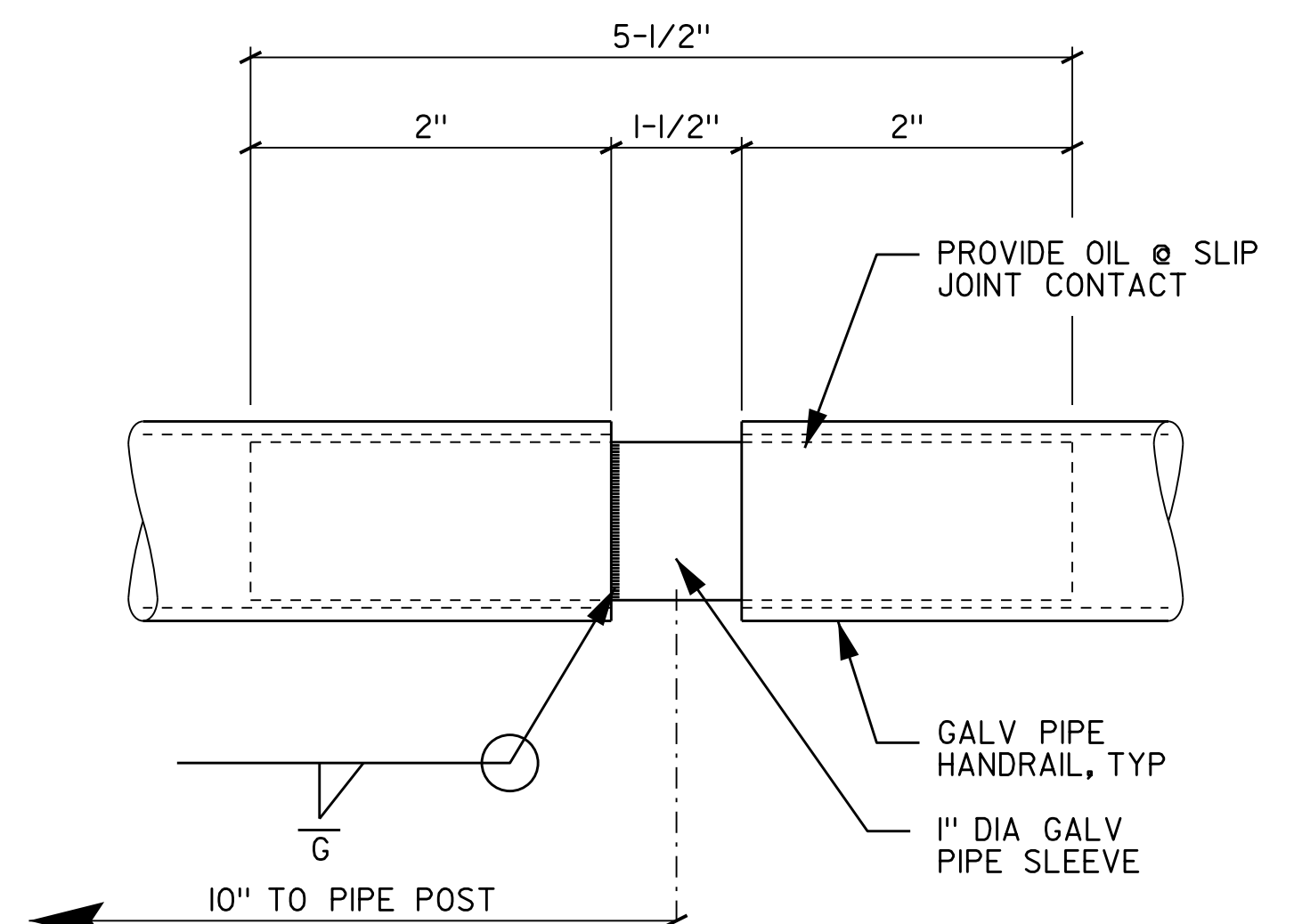
**2 NOSING @ STAIR TREAD**  
NO SCALE



**4 STAIR TREAD SECTION**  
NO SCALE



**3 STAIR TREAD & LANDING**  
NO SCALE



**1 HANDRAIL EXPANSION JOINT**  
NO SCALE

- NOTE**
1. CONCRETE TO BE COATED WITH CONCRETE HARDENER WITH OIL AND GREASE SEALER.
  2. CONCRETE STEP AND LANDING MUST BE MEDIUM BROOM TEXTURE FINISH.
  3. GALVANIZED HANDRAIL, PIPE RAIL, POST AND HANDRAIL SUPPORT.

|                                                                                                       |                                                            |                                                                                |                  |                                                  |                                                                           |
|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------|------------------|--------------------------------------------------|---------------------------------------------------------------------------|
| DESIGN BY F. THOMAS CHECKED F. THOMAS<br>DETAILS BY S. YEH CHECKED F. THOMAS<br>QUANTITIES BY CHECKED | <b>STATE OF CALIFORNIA</b><br>DEPARTMENT OF TRANSPORTATION | DIVISION OF ENGINEERING SERVICES<br><b>ARCHITECTURAL AND STRUCTURAL DESIGN</b> | BRIDGE No. 59V04 | <b>YERBA BUENA ISLAND USCG STAIRS</b><br>DETAILS | SHEET 13 OF 39                                                            |
|                                                                                                       |                                                            |                                                                                | POST MILE 8.3    |                                                  | UNIT: 3584 CONTRACT No.: 04-3A6414<br>PROJECT NUMBER & PHASE: 04190001531 |

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3  
 TAEMWW Imperial - CCSC Rev. 04/14  
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|      |        |       |                          |           |              |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 04   | SF     | 80    | 7.8/8.0                  | 29        | 37           |

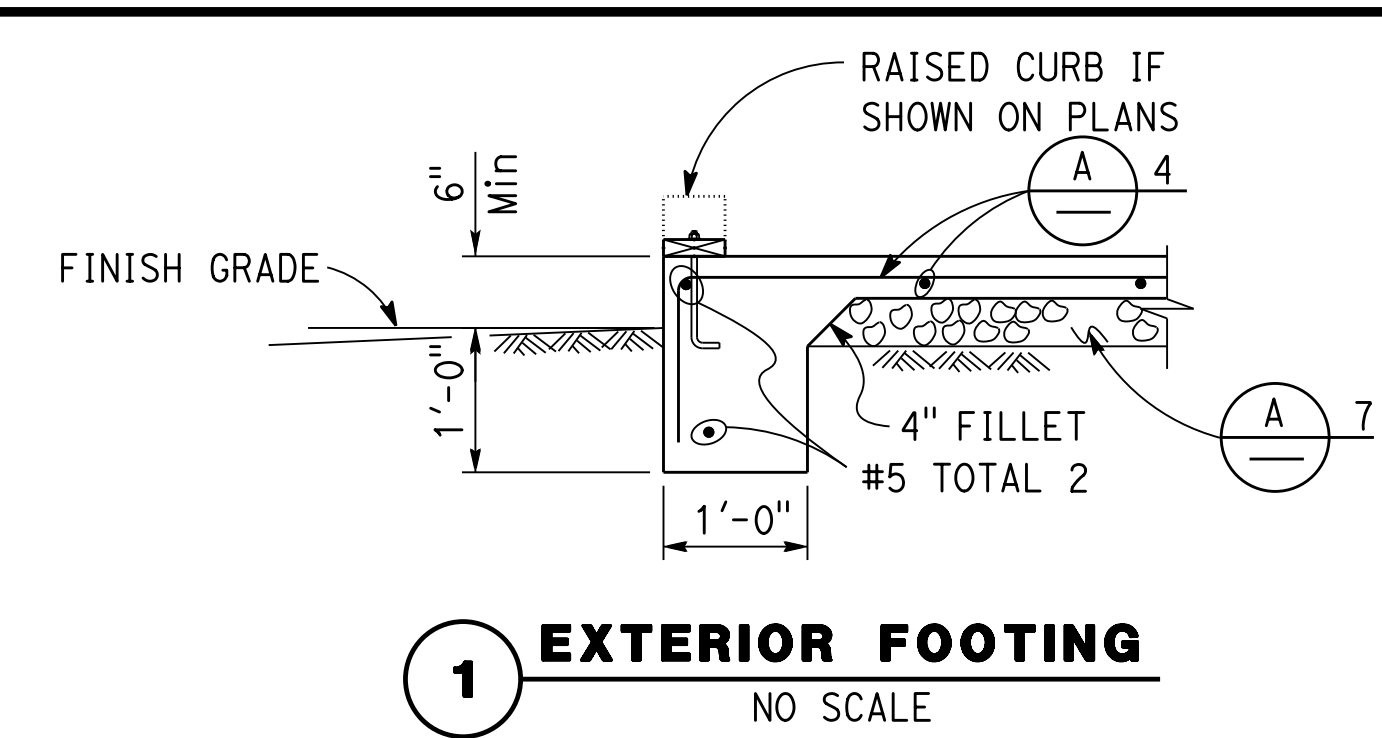
  

|                           |      |          |
|---------------------------|------|----------|
| REGISTERED CIVIL ENGINEER | DATE | 10-18-18 |
| PLANS APPROVAL DATE       |      |          |
| 05-17-19                  |      |          |

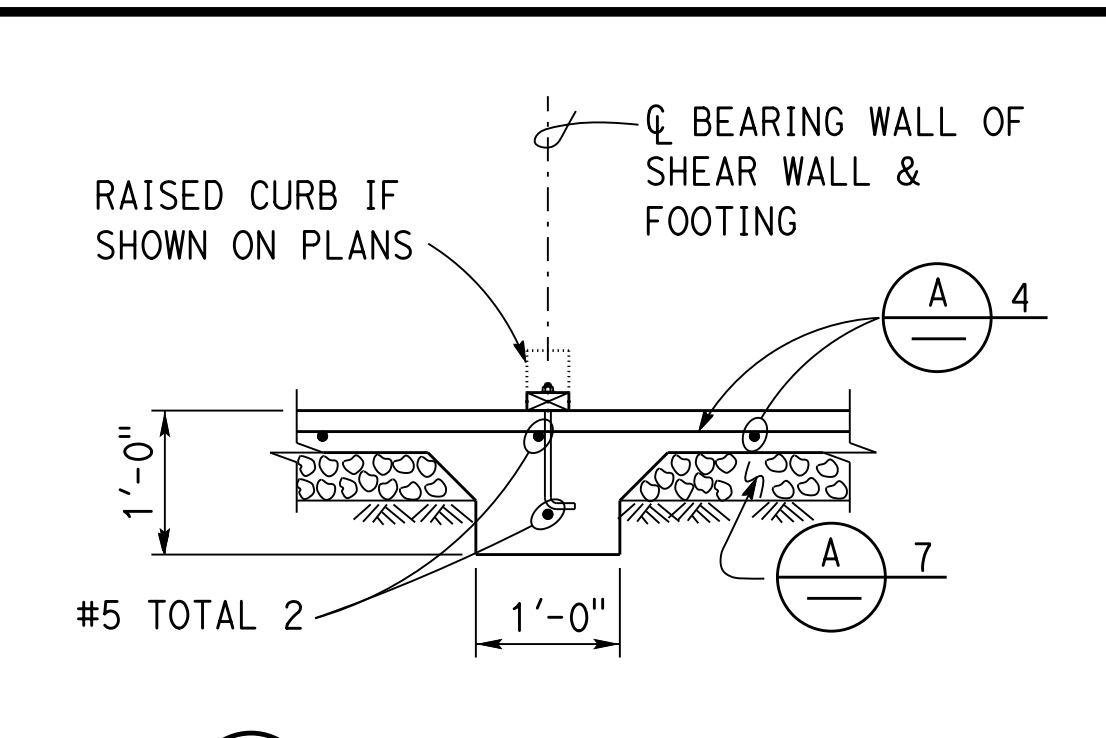
  

|                                  |
|----------------------------------|
| REGISTERED PROFESSIONAL ENGINEER |
| Gang Hong                        |
| No. 60406                        |
| Exp. 6-30-20                     |
| CIVIL                            |
| STATE OF CALIFORNIA              |

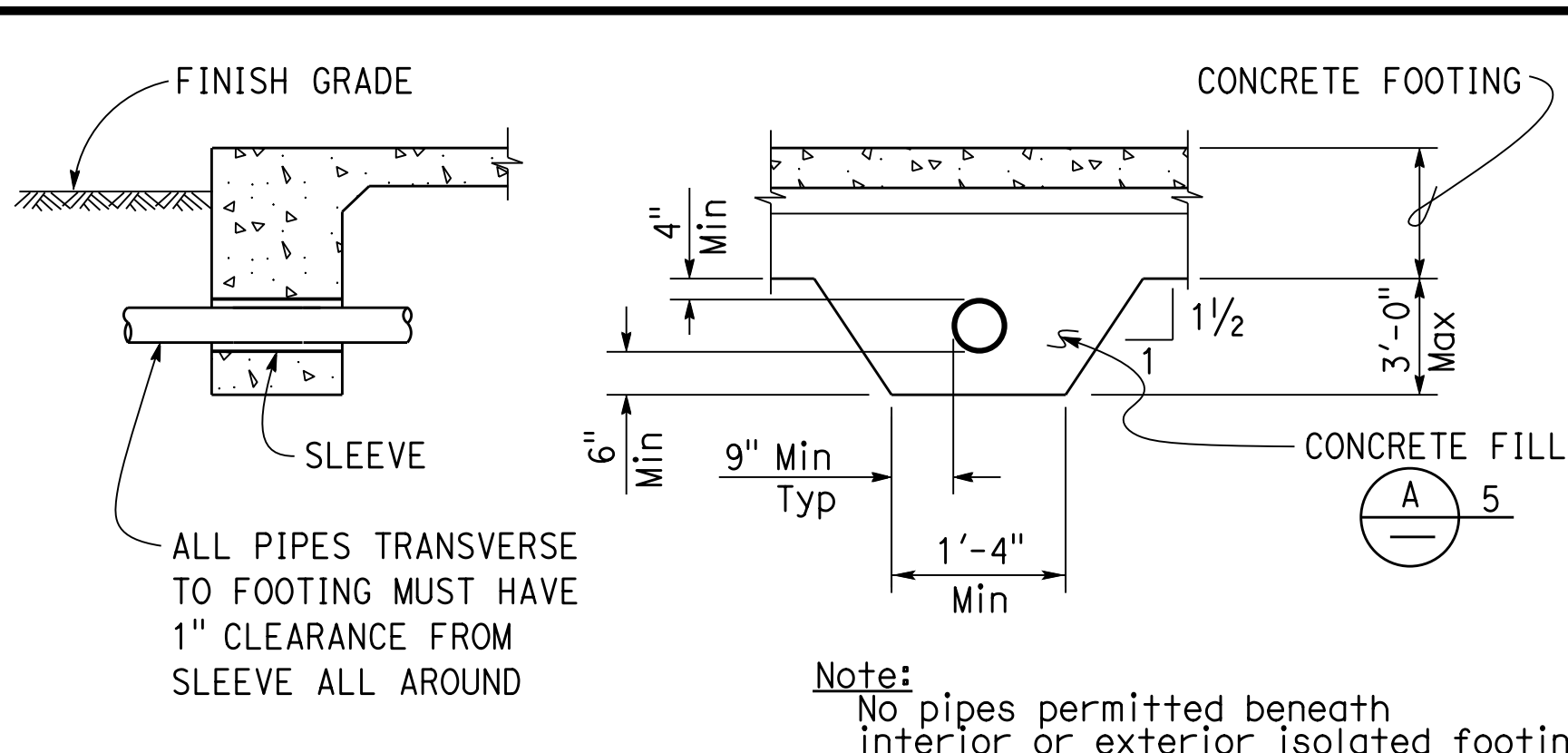
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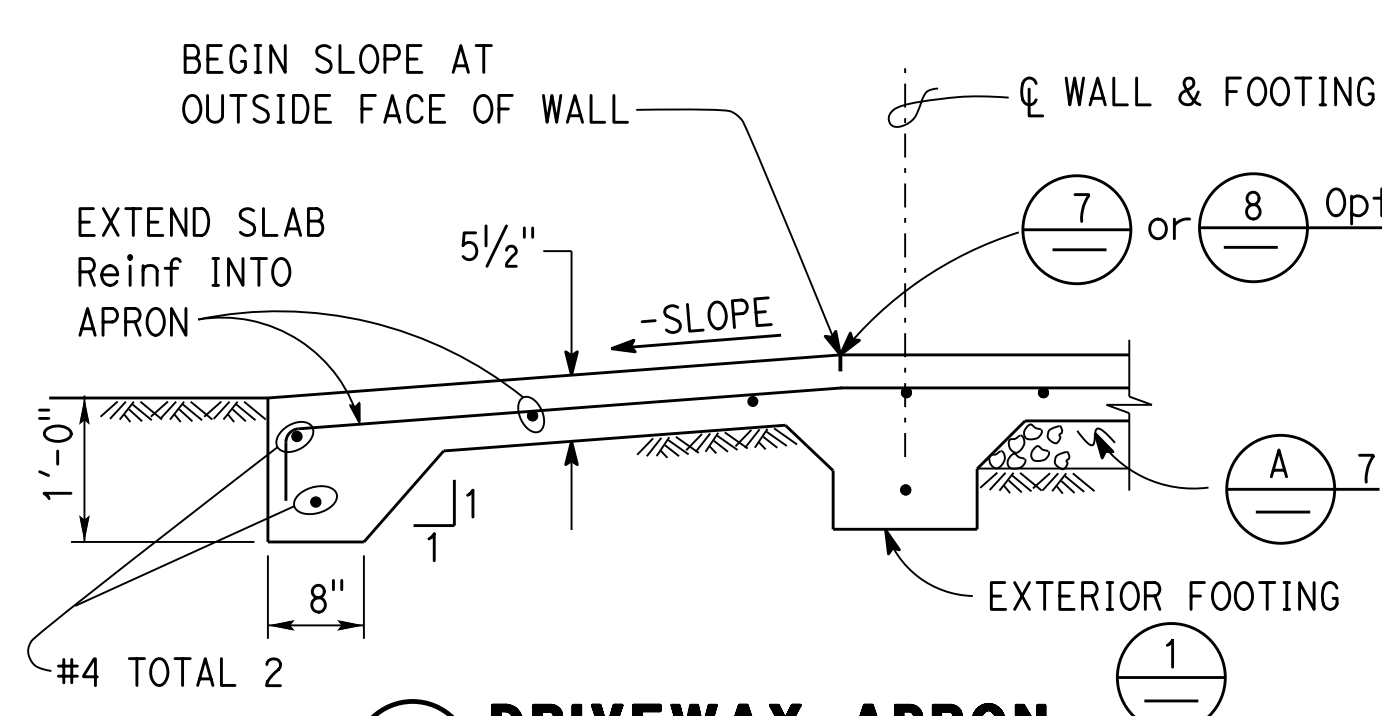
**1 EXTERIOR FOOTING**  
NO SCALE



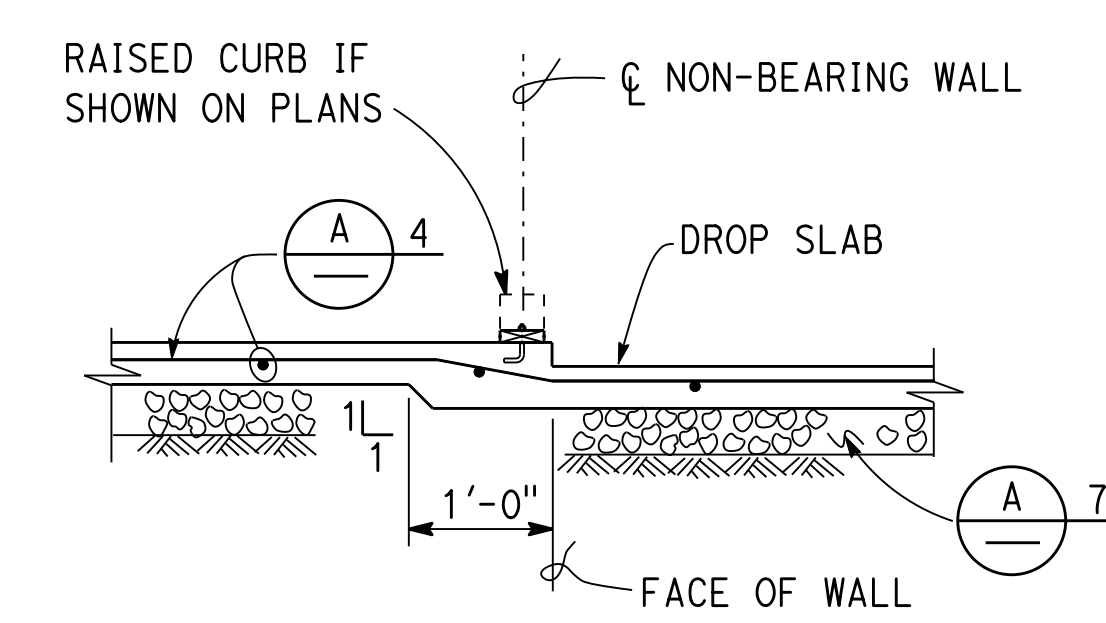
**5 INTERIOR FOOTING**  
NO SCALE



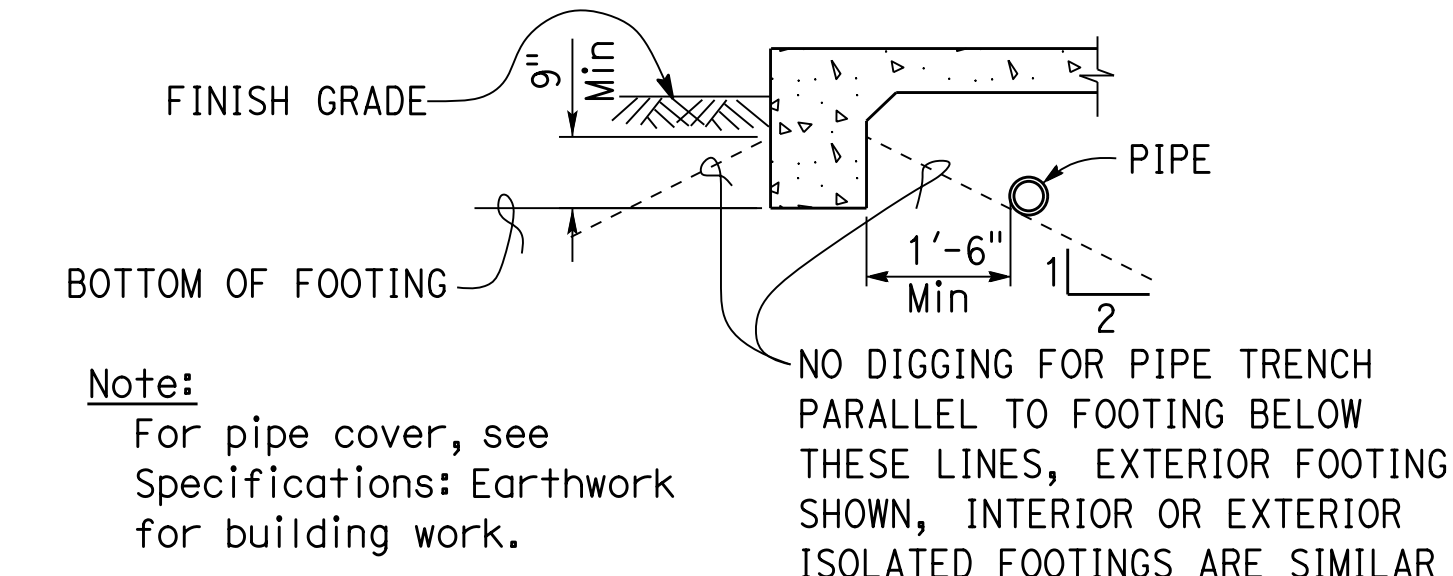
**9 PIPE DETAILS THROUGH FOOTING**  
NO SCALE



**2 DRIVEWAY APRON**  
NO SCALE



**6 DROP SLAB AT NON-BEARING WALL**  
NO SCALE



**10 PIPE DETAILS PARALLEL TO FOOTING**  
NO SCALE

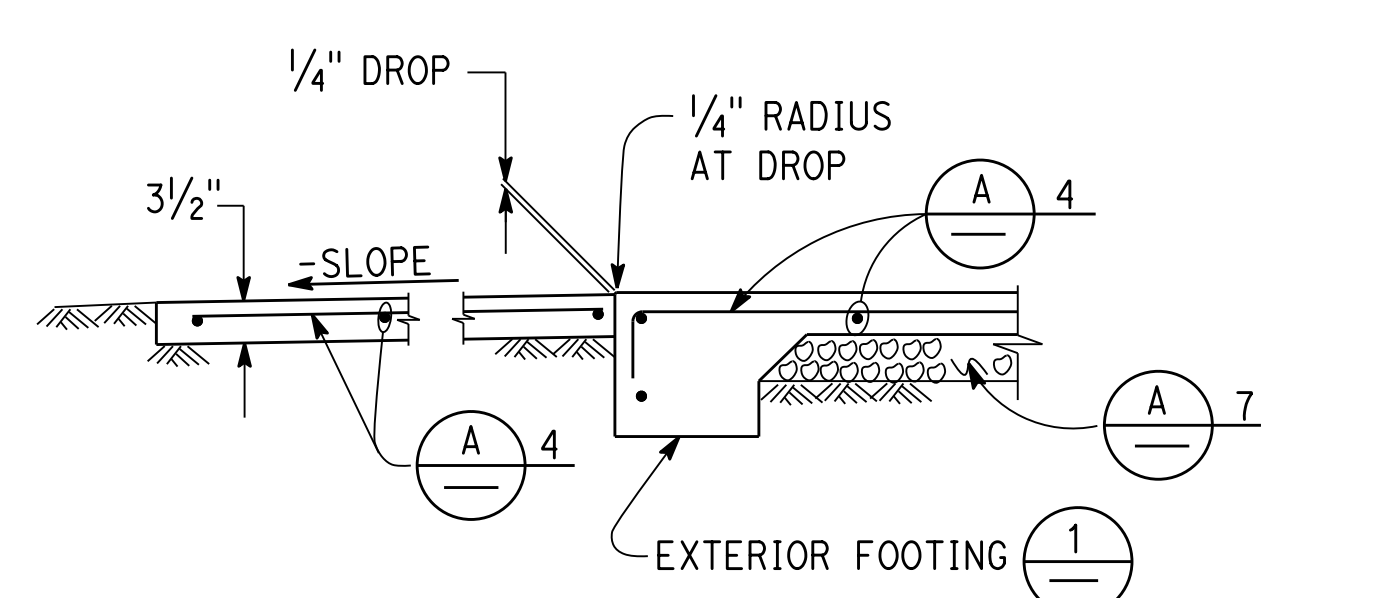
**A CONCRETE NOTES**

- The following minimum concrete cover must be provided for reinforcement.

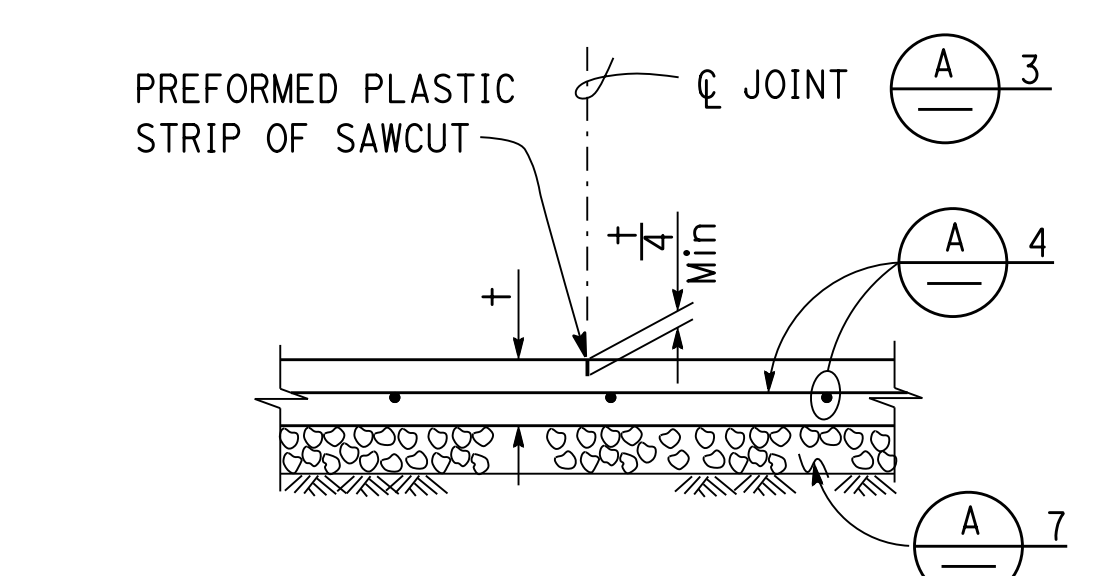
|                                                            | Minimum Cover |
|------------------------------------------------------------|---------------|
| Concrete cast against and permanently exposed to earth     | 3"            |
| Concrete exposed to earth or weather but cast in forms:    |               |
| #6 thru #18 bars                                           | 2"            |
| #5 bar and smaller, W31 or D31 Wire, and smaller           | 1 1/2"        |
| Concrete not exposed to weather or in contact with ground: |               |
| Slabs, Walls and Joists:                                   |               |
| #14 and #18 Bar                                            | 1 1/2"        |
| #11 Bar and smaller                                        | 3/4"          |
| Beams and Columns:                                         |               |
| Primary Reinforcement, Ties, Stirrups and Spirals          | 1 1/2"        |
- Splices in continuous reinforcement as in walls, wall footings, etc. #8 or smaller must have a lap of 45 diameters and the splices in adjacent bars must not be less than 5'-0" apart.

Continuous bars in spandrels, wall beams, etc. must lap top bars at center of span and bottom bars at supports.
- Contraction joints and control joints must divide slab into areas not exceeding 25 square yards without reentrant corners and with length to width ratios not exceeding 1.5 to 1. Joint spacing must not exceed 15'-0".
- Slab Thickness (t) Reinforcement

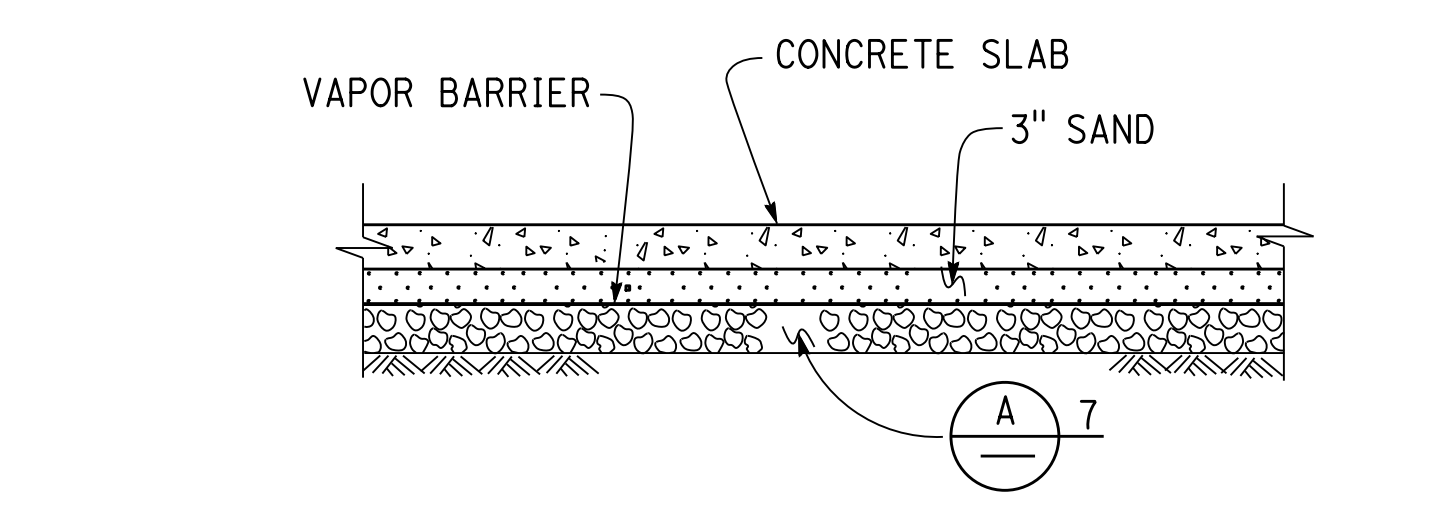
|      |         |                                   |
|------|---------|-----------------------------------|
| 3/2" | #3 @ 18 | Each way, place in center of Slab |
| 5/2" | #4 @ 18 | Each way, place in center of Slab |
- Concrete fill is to be placed before footing is poured. Make the same width as the footing and the full width of the pipe trench. Concrete fill not required for pipes less than 2" diameter for pipes more than 3'-0" below bottom of footing.
- See mechanical and architectural plans for size and locations of pipe, vents, ducts and other similar openings. See electrical plans for conduits and outlet boxes in floors, walls, etc.
- Place 4" of free draining granular material under slabs.



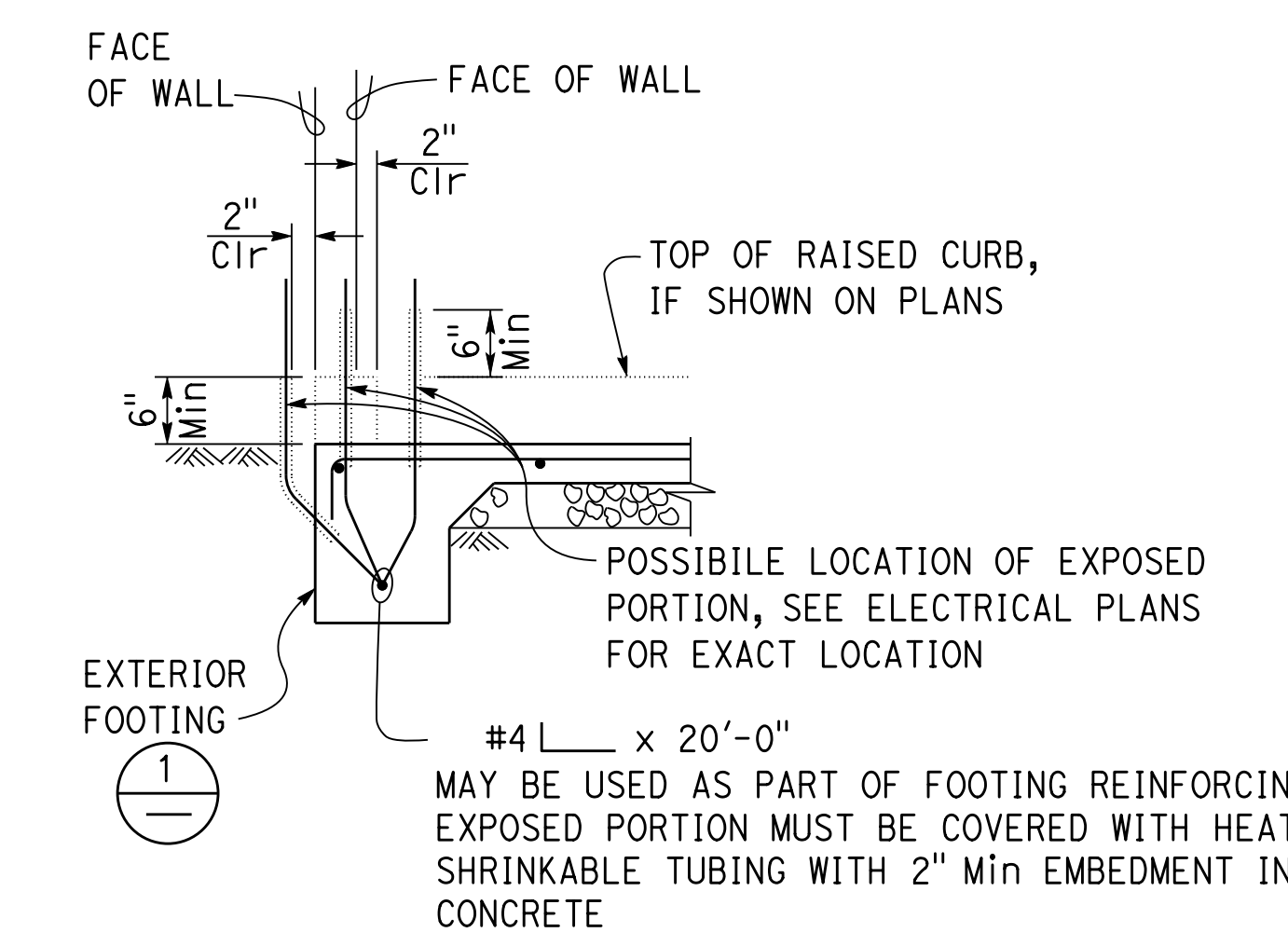
**3 WALKWAY APRON**  
NO SCALE



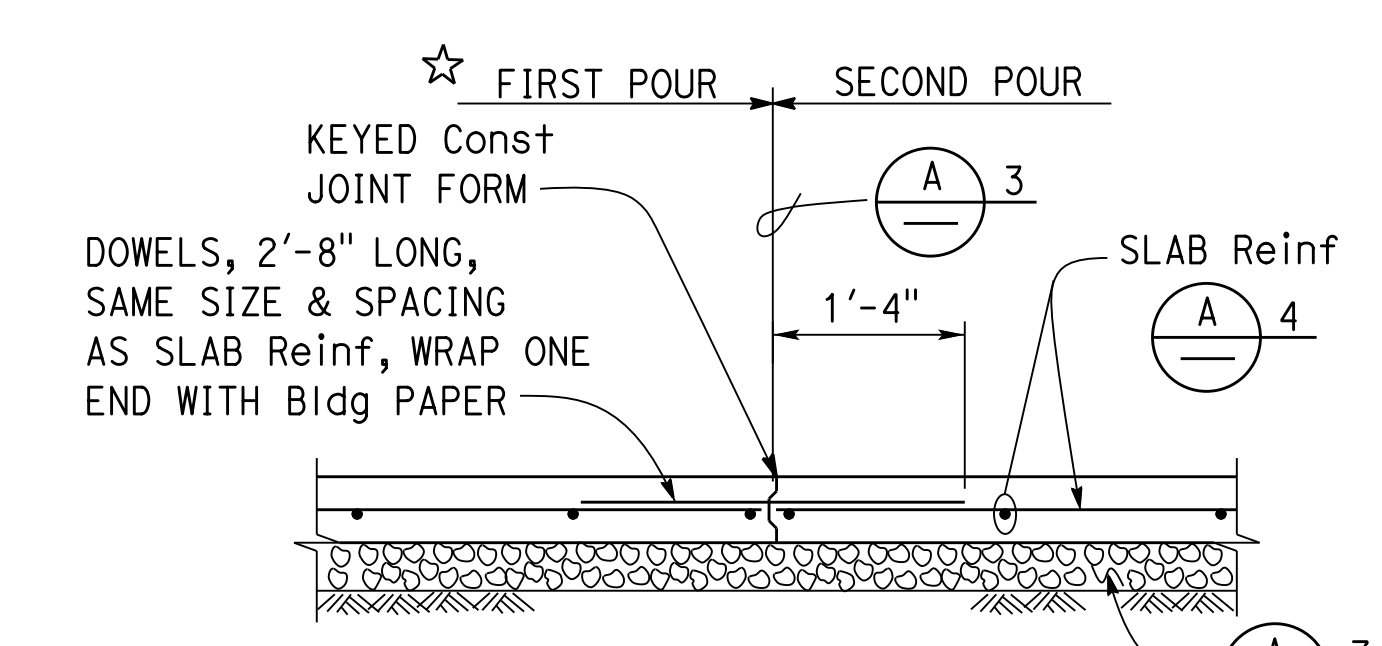
**7 CONTROL JOINT**  
NO SCALE



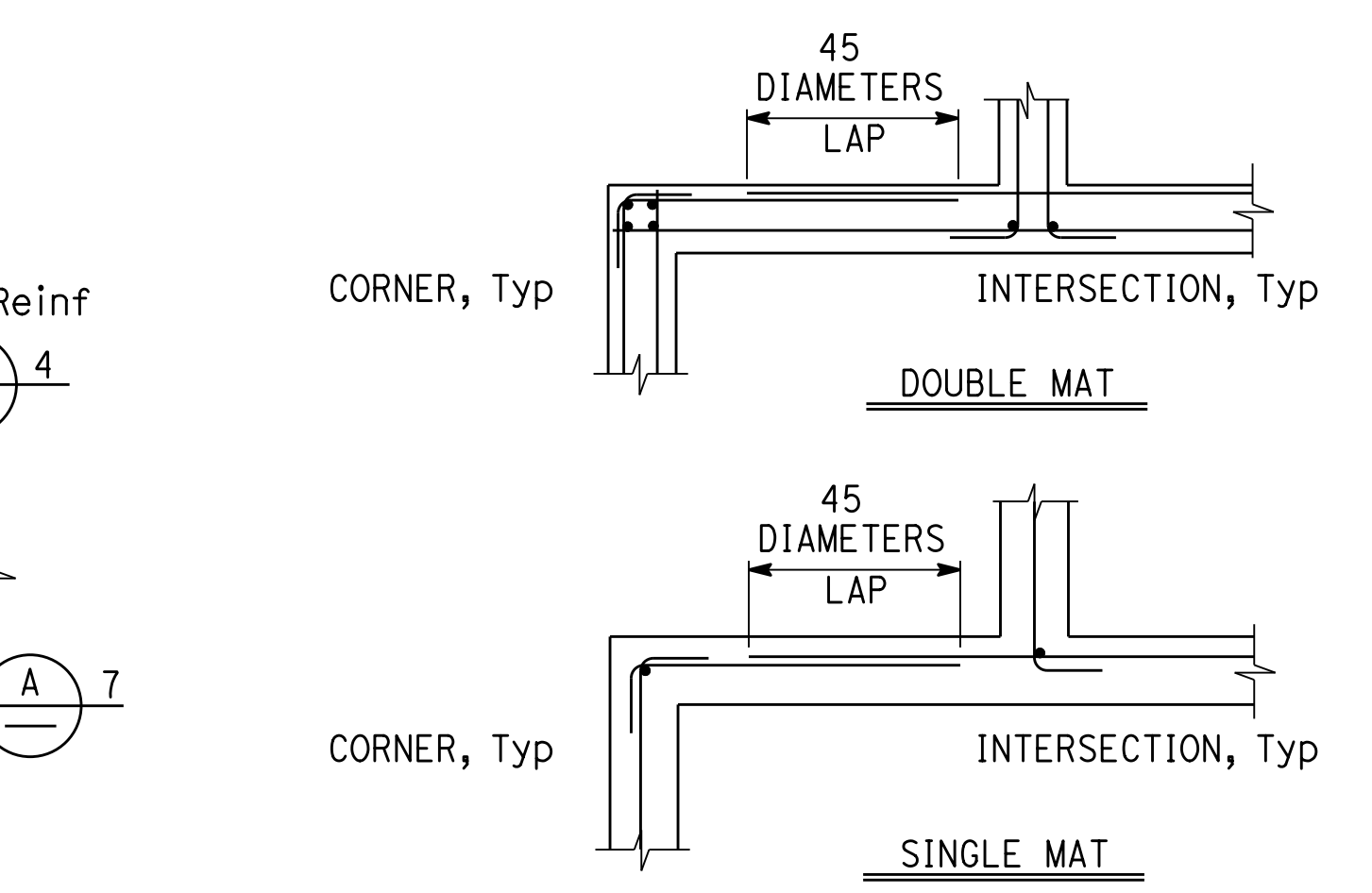
**11 MOISTURE BARRIER**  
NO SCALE



**4 GROUND BAR DETAIL**  
NO SCALE



**8 CONTRACTION JOINT**  
NO SCALE



**12 CORNER/INTERSECTION Reinf SPLICE**  
NO SCALE

NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

|                                   |                                |                        |                         |                                                    |  |                                     |  |                                                                        |  |                                         |  |                                                                                    |  |  |  |          |  |
|-----------------------------------|--------------------------------|------------------------|-------------------------|----------------------------------------------------|--|-------------------------------------|--|------------------------------------------------------------------------|--|-----------------------------------------|--|------------------------------------------------------------------------------------|--|--|--|----------|--|
| STANDARD DRAWING                  |                                |                        |                         | STATE OF CALIFORNIA                                |  | DIVISION OF ENGINEERING SERVICES    |  | BRIDGE No.                                                             |  | YERBA BUENA ISLAND USCG STAIRS          |  | SHEET                                                                              |  |  |  |          |  |
| FILE NO. XS-25-1                  | DESIGN BY Sean Seaman          | CHECKED BY [Signature] | APPROVED BY R.E. Travis | CALIFORNIA                                         |  | ARCHITECTURAL AND STRUCTURAL DESIGN |  | POST MILE                                                              |  | CONCRETE STANDARD                       |  | ST-2                                                                               |  |  |  |          |  |
| DRAWING DATE 1-04                 | DETAILS BY Peter F. von Sawyze | CHECKED BY [Signature] | DESIGN SUPERVISOR       | DEPARTMENT OF TRANSPORTATION                       |  |                                     |  | DISREGARD PRINTS BEARING EARLIER REVISION DATES                        |  | REVISION DATES (PRELIMINARY STAGE ONLY) |  | SHEET OF                                                                           |  |  |  |          |  |
| TAEMWW Imperial - CCSC Rev. 04/14 |                                |                        |                         | ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 |  |                                     |  | UNIT: 3599 CONTRACT No.: 04-3A6414 PROJECT NUMBER & PHASE: 04190001531 |  |                                         |  | REVISION DATES (PRELIMINARY STAGE ONLY) 1-16-04 1-14-05 04-27-12 07-24-14 02-05-15 |  |  |  | SHEET OF |  |

17-OCT-2019 13:33

**PROJECT DESIGN CRITERIA**

The building work on this project has been designed to conform to the 2016 California Building Code (2015 IBC).

**LOADS**

**SEISMIC:** Occupancy Category = 1  
 Importance Factor I = 1.0  
 Site Soil Class = D  
 $S_S = 1.5$                        $S_{DS} = 1.0$   
 $S_I = 0.6$                           $S_{DI} = 0.6$   
 Seismic Design Category = D

**WIND:** Basic Wind Speed = 110 mph      I = 1.0  
 Exposure = D

**LIVE LOAD:** 100 psf

**DETAIL NOTES**

1. For Typical Stair Details, see sheet ST1-4.
2. Landings slopes shall be minimum 1% and maximum 8%.
3. Landing slabs shall be 6" thick reinforced concrete with #5 @ 120C each way, Typ. Place in center of slab UNO.
4. Handrail and Gutter Locations and Details, see Arch.
5. For Concrete see, "Concrete Standard".
6. All metal work shall be hot dip galvanized after fabrication.

**MATERIALS**


**REINFORCED CONCRETE:** (Ultimate Strength Design) :  
 $f'_c = 4,000$  psi  
 $f_y = 60,000$  psi

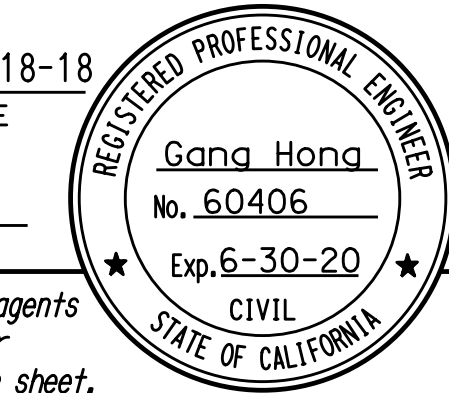
**STRUCTURAL STEEL:** (Allowable Strength Design) :  
 Pipe                                       $F_y = 36$  ksi

**FOUNDATION:**  
 Soils report dated : Aug 15, 2006  
 Allowable Soil Pressure (DL + LL) : = 1,500 psf

Note  
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 04   | SF     | 80    | 7.8/8.0                  | 30        | 37           |


 REGISTERED CIVIL ENGINEER      10-18-18      DATE  
 PLANS APPROVAL DATE      05-17-19



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|            |    |              |         |
|------------|----|--------------|---------|
| DESIGN     | BY | GANG HONG    | CHECKED |
| DETAILS    | BY | JANICE FUJII | CHECKED |
| QUANTITIES | BY |              | CHECKED |

**STATE OF CALIFORNIA**  
 DEPARTMENT OF TRANSPORTATION

**DIVISION OF ENGINEERING SERVICES**  
**ARCHITECTURAL AND STRUCTURAL DESIGN**

|            |       |                                                                           |                       |
|------------|-------|---------------------------------------------------------------------------|-----------------------|
| BRIDGE No. | 59V04 | <b>YERBA BUENA ISLAND USCG STAIRS</b><br>DESIGN CRITERIA AND DETAIL NOTES | SHEET<br><b>ST1-0</b> |
| POST MILE  | 8.3   |                                                                           |                       |

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| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 04   | SF     | 80    | 7.8/8.0                  | 31        | 37           |

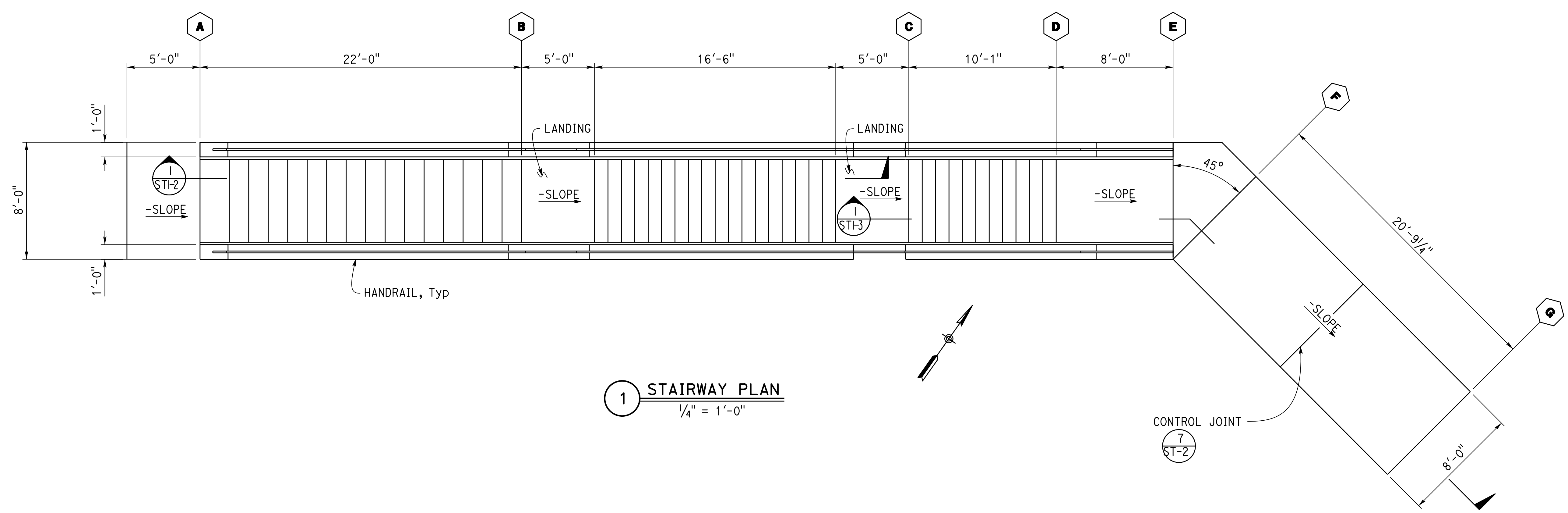
|                                               |                  |
|-----------------------------------------------|------------------|
| <i>Gang Hong</i><br>REGISTERED CIVIL ENGINEER | 10-18-18<br>DATE |
| 05-17-19<br>PLANS APPROVAL DATE               |                  |

REGISTERED PROFESSIONAL ENGINEER  
 Gang Hong  
 No. 60406  
 Exp. 6-30-20  
 CIVIL  
 STATE OF CALIFORNIA

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**A DETAIL NOTES**

1. For Typical Stair Details, see sheet ST1-4 and ST1-5.
2. Landings slopes shall be minimum 1% and maximum 8%.
3. Handrail and Gutter Locations and Details, see Arch.



**1 STAIRWAY PLAN**  
1/4" = 1'-0"

**Note**  
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

|        |            |           |              |                                                            |                                                                                |            |           |                                       |               |       |       |  |
|--------|------------|-----------|--------------|------------------------------------------------------------|--------------------------------------------------------------------------------|------------|-----------|---------------------------------------|---------------|-------|-------|--|
| DESIGN | BY         | GANG HONG | CHECKED      | <b>STATE OF CALIFORNIA</b><br>DEPARTMENT OF TRANSPORTATION | <b>DIVISION OF ENGINEERING SERVICES</b><br>ARCHITECTURAL AND STRUCTURAL DESIGN | BRIDGE No. | 59V04     | <b>YERBA BUENA ISLAND USCG STAIRS</b> | STAIRWAY PLAN | SHEET | ST1-1 |  |
|        | DETAILS    | BY        | JANICE FUJII |                                                            |                                                                                | CHECKED    | POST MILE |                                       |               | 8.3   | OF    |  |
|        | QUANTITIES | BY        |              |                                                            |                                                                                | CHECKED    |           |                                       |               |       |       |  |

|                                     |                                                 |                                         |       |    |
|-------------------------------------|-------------------------------------------------|-----------------------------------------|-------|----|
| UNIT: 3599 CONTRACT No.: 04-3A6414  | DISREGARD PRINTS BEARING EARLIER REVISION DATES | REVISION DATES (PRELIMINARY STAGE ONLY) | SHEET | OF |
| PROJECT NUMBER & PHASE: 04190001531 | → 09-14-18, 09-20-18, 10-03-18, 10-10-18        |                                         |       |    |

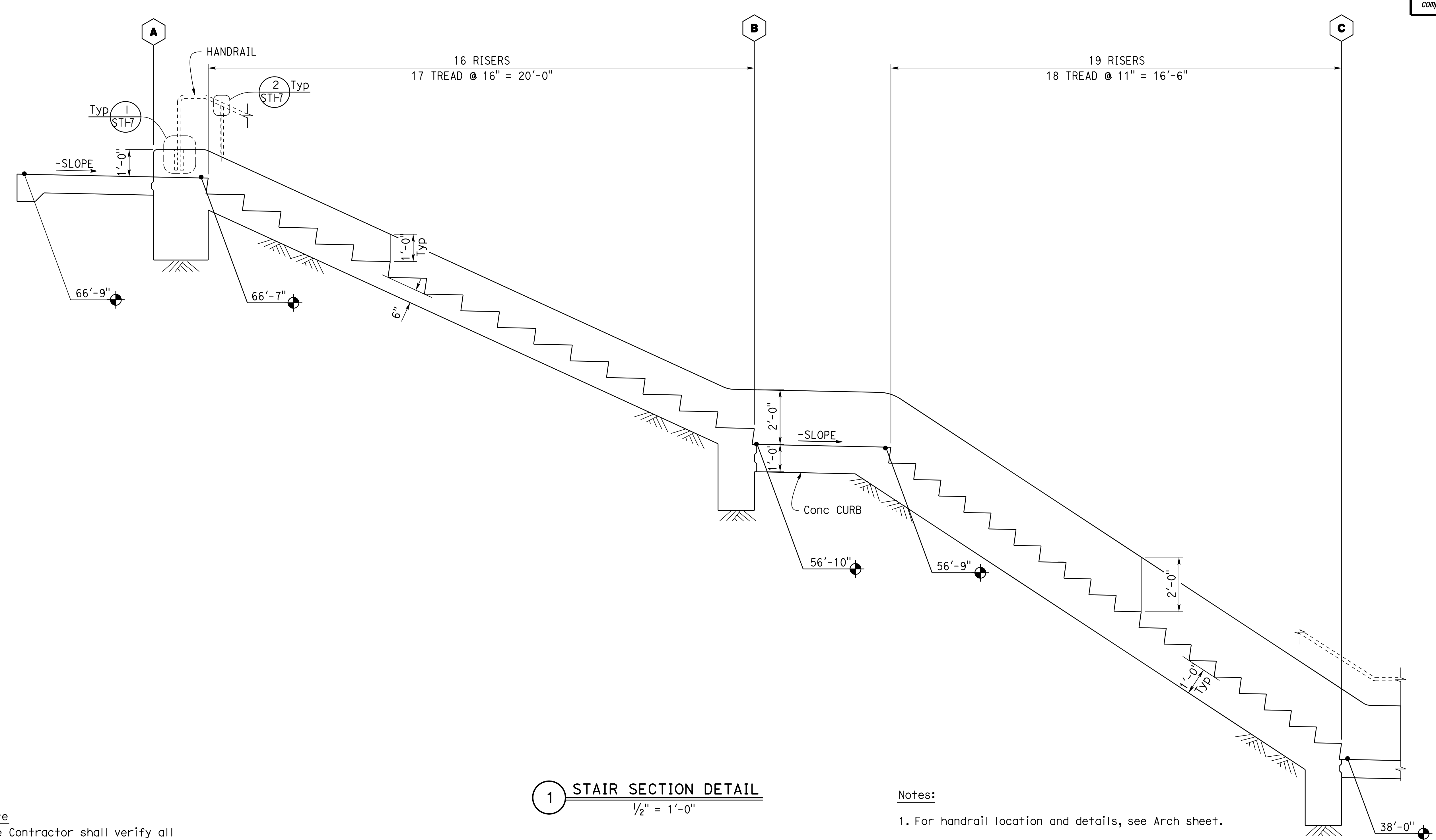
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|------|--------|-------|-----------------------------|--------------|-----------------|
| Dist | COUNTY | ROUTE | POST MILES<br>TOTAL PROJECT | SHEET<br>No. | TOTAL<br>SHEETS |
| 04   | SF     | 80    | 7.8/8.0                     | 32           | 37              |

|                                               |                  |
|-----------------------------------------------|------------------|
| <i>Gang Hong</i><br>REGISTERED CIVIL ENGINEER | 10-18-18<br>DATE |
| 05-17-19<br>PLANS APPROVAL DATE               |                  |

REGISTERED PROFESSIONAL ENGINEER  
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**1 STAIR SECTION DETAIL**  
 $\frac{1}{2}'' = 1'-0''$

**Note**  
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

- Notes:**
1. For handrail location and details, see Arch sheet.
  2. For stair nosing and detail, see Arch sheet.

|                                                                                                                                                                                                                                                                                                                                             |                                                                |                                                                           |                                                                                                                                   |          |                                                    |         |            |    |         |                                                            |                                                                                |                                         |                                                       |                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------------------------------|---------|------------|----|---------|------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------|-----------------------|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">DESIGN</td> <td style="width: 20%;">BY GANG HONG</td> <td style="width: 20%;">CHECKED</td> </tr> <tr> <td>DETAILS</td> <td>BY JANICE FUJII</td> <td>CHECKED</td> </tr> <tr> <td>QUANTITIES</td> <td>BY</td> <td>CHECKED</td> </tr> </table> | DESIGN                                                         | BY GANG HONG                                                              | CHECKED                                                                                                                           | DETAILS  | BY JANICE FUJII                                    | CHECKED | QUANTITIES | BY | CHECKED | <b>STATE OF CALIFORNIA</b><br>DEPARTMENT OF TRANSPORTATION | DIVISION OF ENGINEERING SERVICES<br><b>ARCHITECTURAL AND STRUCTURAL DESIGN</b> | BRIDGE No.<br>59V04<br>POST MILE<br>8.3 | <b>YERBA BUENA ISLAND USCG STAIRS</b><br><br>SECTIONS | SHEET<br><b>ST1-2</b> |
| DESIGN                                                                                                                                                                                                                                                                                                                                      | BY GANG HONG                                                   | CHECKED                                                                   |                                                                                                                                   |          |                                                    |         |            |    |         |                                                            |                                                                                |                                         |                                                       |                       |
| DETAILS                                                                                                                                                                                                                                                                                                                                     | BY JANICE FUJII                                                | CHECKED                                                                   |                                                                                                                                   |          |                                                    |         |            |    |         |                                                            |                                                                                |                                         |                                                       |                       |
| QUANTITIES                                                                                                                                                                                                                                                                                                                                  | BY                                                             | CHECKED                                                                   |                                                                                                                                   |          |                                                    |         |            |    |         |                                                            |                                                                                |                                         |                                                       |                       |
| TAEMWW Imperial - CCSC Rev. 04/14                                                                                                                                                                                                                                                                                                           | ORIGINAL SCALE IN INCHES FOR REDUCED PLANS<br>0    1    2    3 | UNIT: 3599 CONTRACT No.: 04-3A6414<br>PROJECT NUMBER & PHASE: 04190001531 | DISREGARD PRINTS BEARING EARLIER REVISION DATES<br>REVISION DATES (PRELIMINARY STAGE ONLY)<br>09-13-18 09-28-18 10-04-18 10-10-18 | SHEET OF | P:\dlst_04\0416000289_YB_Stairs\expdite\ST1-02.dgn |         |            |    |         |                                                            |                                                                                |                                         |                                                       |                       |

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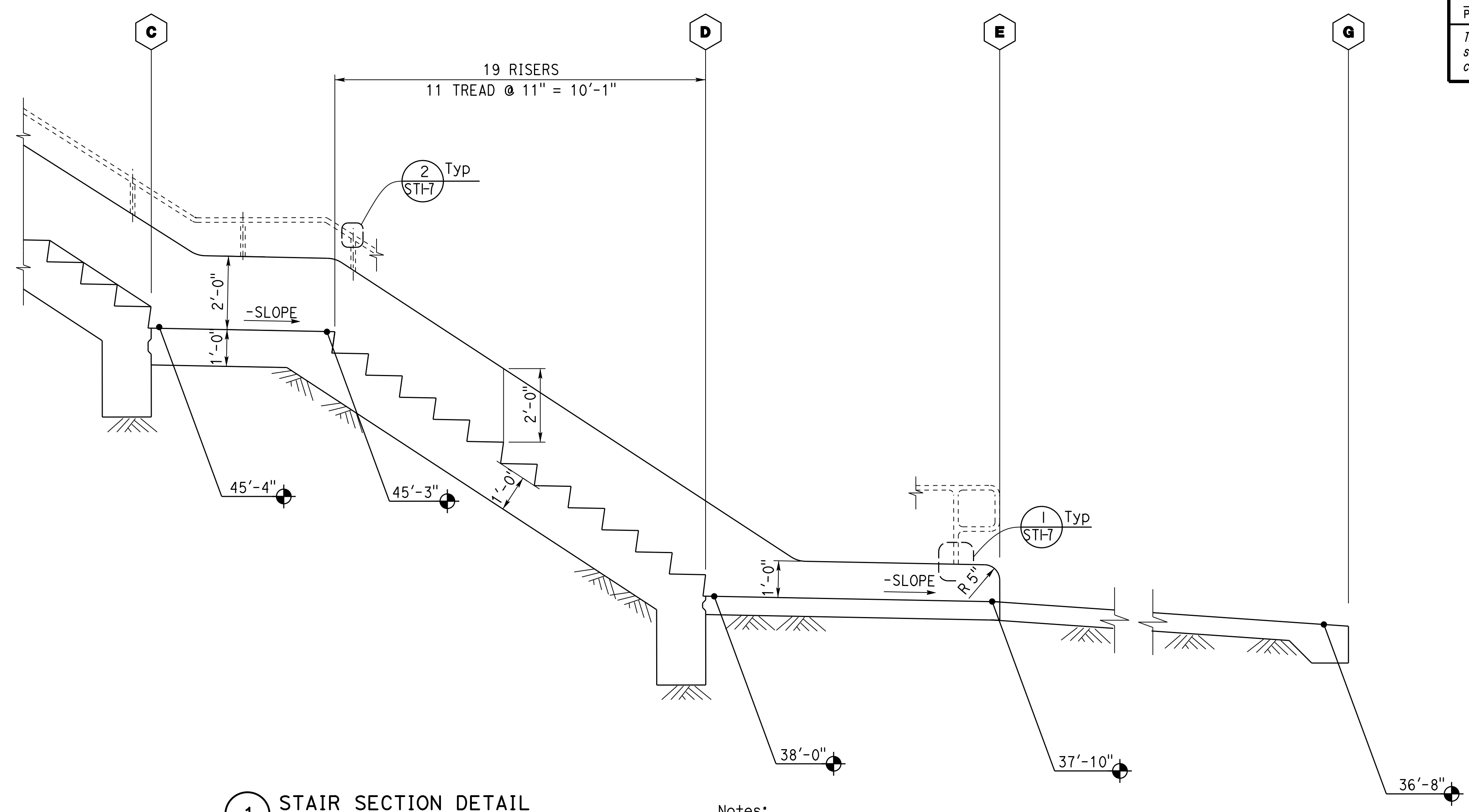
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 04   | SF     | 80    | 7.8/8.0                  | 33        | 37           |

|                                               |                  |
|-----------------------------------------------|------------------|
| <i>Gang Hong</i><br>REGISTERED CIVIL ENGINEER | 10-18-18<br>DATE |
| PLANS APPROVAL DATE<br>05-17-19               |                  |

REGISTERED PROFESSIONAL ENGINEER  
 Gang Hong  
 No. 60406  
 Exp. 6-30-20  
 CIVIL  
 STATE OF CALIFORNIA

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**1 STAIR SECTION DETAIL**  
 $\frac{1}{2}'' = 1'-0''$

- Notes:**
1. For handrail location and details, see Arch sheet.
  2. For stair nosing and detail, see Arch sheet.

**Note**  
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

|                                   |                                                    |                                                 |                                                            |                                                                                |                                                 |                                                                                |                             |
|-----------------------------------|----------------------------------------------------|-------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------|
|                                   | DESIGN BY <b>GANG HONG</b><br>CHECKED _____        | DETAILS BY <b>JANICE FUJII</b><br>CHECKED _____ | <b>STATE OF CALIFORNIA</b><br>DEPARTMENT OF TRANSPORTATION | DIVISION OF ENGINEERING SERVICES<br><b>ARCHITECTURAL AND STRUCTURAL DESIGN</b> | BRIDGE No. 59V04<br>POST MILE 8.3               | <b>YERBA BUENA ISLAND USCG STAIRS</b><br>SECTIONS                              | SHEET <b>ST1-3</b> OF _____ |
| TAEMWW Imperial - CCSC Rev. 04/14 | ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 |                                                 |                                                            | UNIT: 3599 CONTRACT No.: 04-3A6414<br>PROJECT NUMBER & PHASE: 04190001531      | DISREGARD PRINTS BEARING EARLIER REVISION DATES | REVISION DATES (PRELIMINARY STAGE ONLY)<br>09-18-18 09-21-18 10-04-18 10-10-18 | SHEET OF                    |

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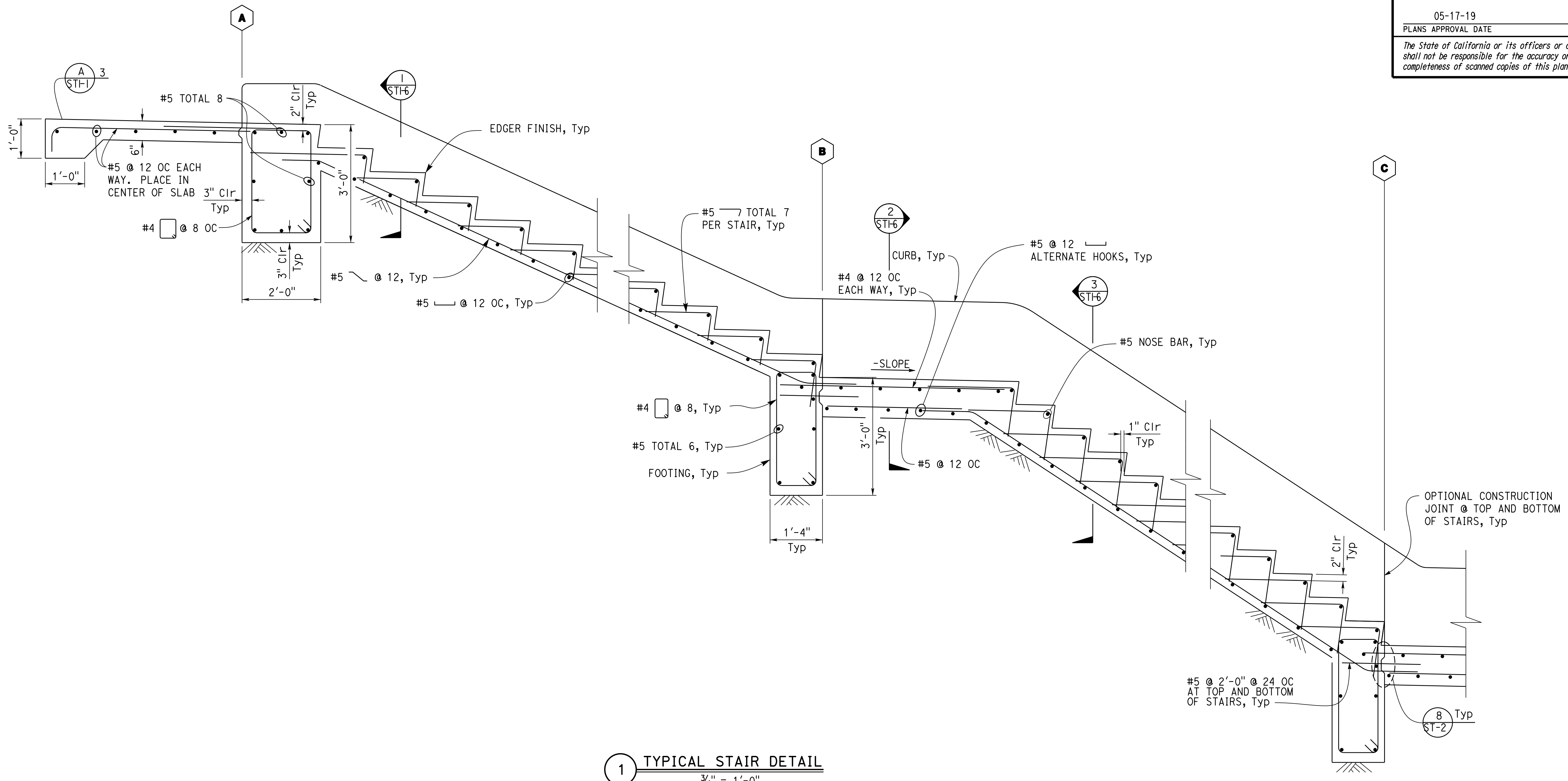
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|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 04   | SF     | 80    | 7.8/8.0                  | 34        | 37           |

|                           |          |
|---------------------------|----------|
| <i>Gang Hong</i>          | 10-18-18 |
| REGISTERED CIVIL ENGINEER | DATE     |
| 05-17-19                  |          |
| PLANS APPROVAL DATE       |          |

REGISTERED PROFESSIONAL ENGINEER  
 Gang Hong  
 No. 60406  
 Exp. 6-30-20  
 CIVIL  
 STATE OF CALIFORNIA

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1 TYPICAL STAIR DETAIL  
 $\frac{3}{4}'' = 1'-0''$

**Note**  
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

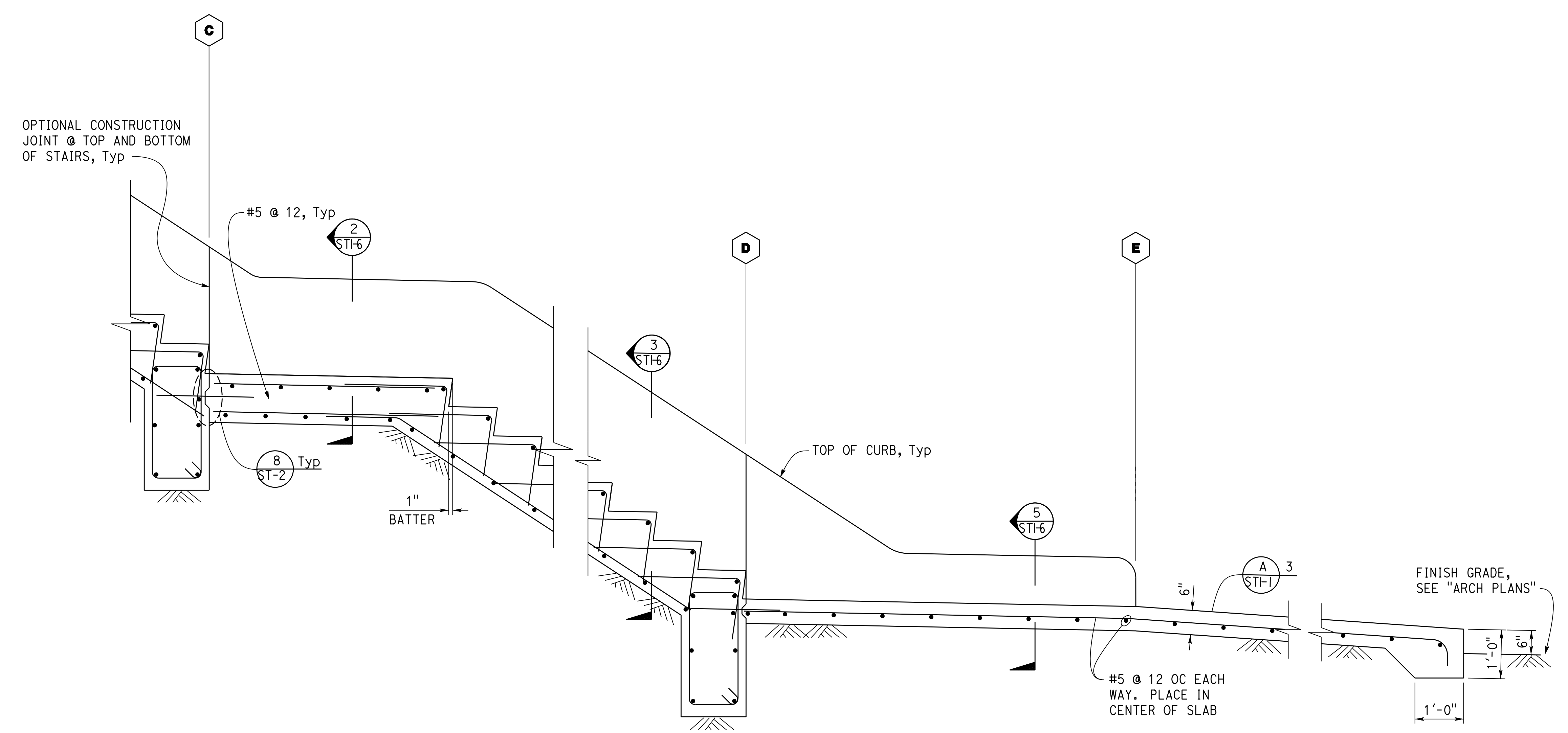
|                                   |                                                                                                  |                                                                        |                                                                                |                                                 |                                                                                                 |                       |
|-----------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------|
|                                   | DESIGN BY GANG HONG<br>CHECKED<br>DETAILS BY JANICE FUJII<br>CHECKED<br>QUANTITIES BY<br>CHECKED | <b>STATE OF CALIFORNIA</b><br>DEPARTMENT OF TRANSPORTATION             | DIVISION OF ENGINEERING SERVICES<br><b>ARCHITECTURAL AND STRUCTURAL DESIGN</b> | BRIDGE No. 59V04<br>POST MILE 8.3               | <b>YERBA BUENA ISLAND USCG STAIRS</b><br>CONCRETE SECTION DETAILS                               | SHEET <b>ST1-4</b> OF |
| TAEMWW Imperial - CCSC Rev. 04/14 | ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3                                               | UNIT: 3599 CONTRACT No.: 04-3A6414 PROJECT NUMBER & PHASE: 04190001531 |                                                                                | DISREGARD PRINTS BEARING EARLIER REVISION DATES | REVISION DATES (PRELIMINARY STAGE ONLY)<br>09-26-18   10-05-18   10-12-18   10-15-18   10-16-18 | SHEET OF              |

|      |        |       |                          |           |              |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 04   | SF     | 80    | 7.8/8.0                  | 35        | 37           |

|                                               |                  |
|-----------------------------------------------|------------------|
| <i>Gang Hong</i><br>REGISTERED CIVIL ENGINEER | 10-18-18<br>DATE |
| 05-17-19<br>PLANS APPROVAL DATE               |                  |

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Note:  
See ST1-4 for information not shown

**1 TYPICAL STAIR DETAIL**  
3/4" = 1'-0"

Note  
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

|                                            |            |           |              |                                                                   |                                                                                       |                                                 |                                                                                      |          |                    |
|--------------------------------------------|------------|-----------|--------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------------------------|----------|--------------------|
| DESIGN                                     | BY         | GANG HONG | CHECKED      | <b>STATE OF CALIFORNIA</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>DIVISION OF ENGINEERING SERVICES</b><br><b>ARCHITECTURAL AND STRUCTURAL DESIGN</b> | BRIDGE No.                                      | <b>YERBA BUENA ISLAND USCG STAIRS</b><br><br>CONCRETE SECTION DETAILS                | SHEET    |                    |
|                                            | DETAILS    | BY        | JANICE FUJII |                                                                   |                                                                                       | CHECKED                                         |                                                                                      | 59V04    | OF<br><b>ST1-5</b> |
|                                            | QUANTITIES | BY        |              |                                                                   |                                                                                       | CHECKED                                         |                                                                                      | 8.3      |                    |
| ORIGINAL SCALE IN INCHES FOR REDUCED PLANS |            |           |              | 0 1 2 3                                                           | UNIT: 3599 CONTRACT No.: 04-3A6414<br>PROJECT NUMBER & PHASE: 04190001531             | DISREGARD PRINTS BEARING EARLIER REVISION DATES | REVISION DATES (PRELIMINARY STAGE ONLY)<br>09-26-18   10-16-18   11-18-18   10-16-18 | SHEET OF |                    |

|      |        |       |                          |           |              |
|------|--------|-------|--------------------------|-----------|--------------|
| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 04   | SF     | 80    | 7.8/8.0                  | 36        | 37           |

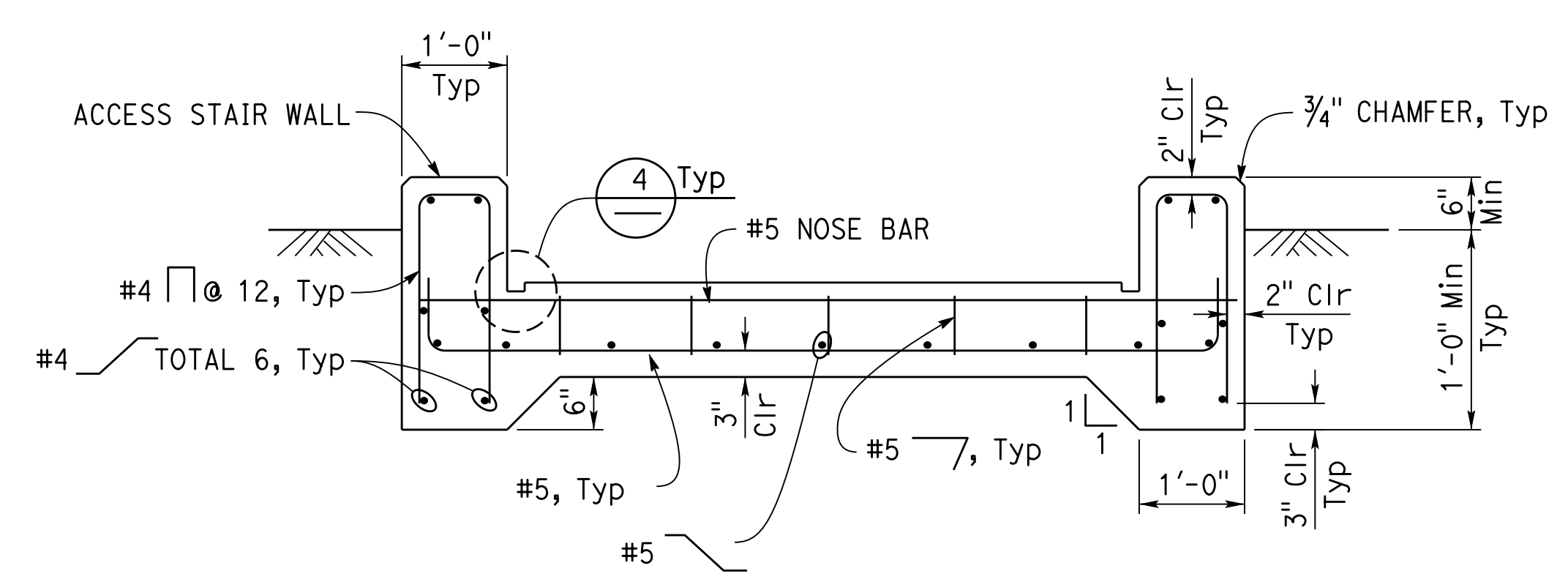
  

|                           |          |
|---------------------------|----------|
| REGISTERED CIVIL ENGINEER | DATE     |
| Gang Hong                 | 10-18-18 |
| PLANS APPROVAL DATE       |          |
| 05-17-19                  |          |

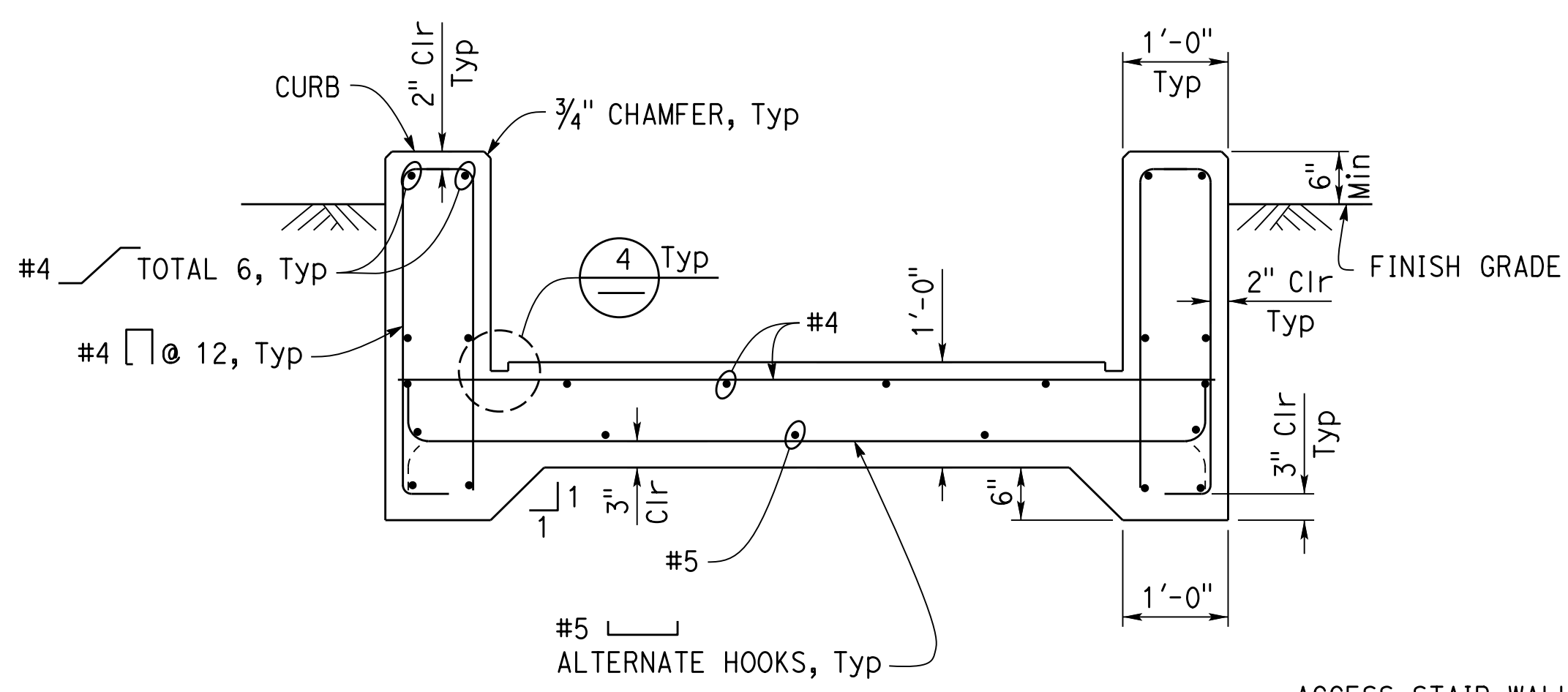
  

|                                  |
|----------------------------------|
| REGISTERED PROFESSIONAL ENGINEER |
| Gang Hong                        |
| No. 60406                        |
| Exp. 6-30-20                     |
| CIVIL                            |
| STATE OF CALIFORNIA              |

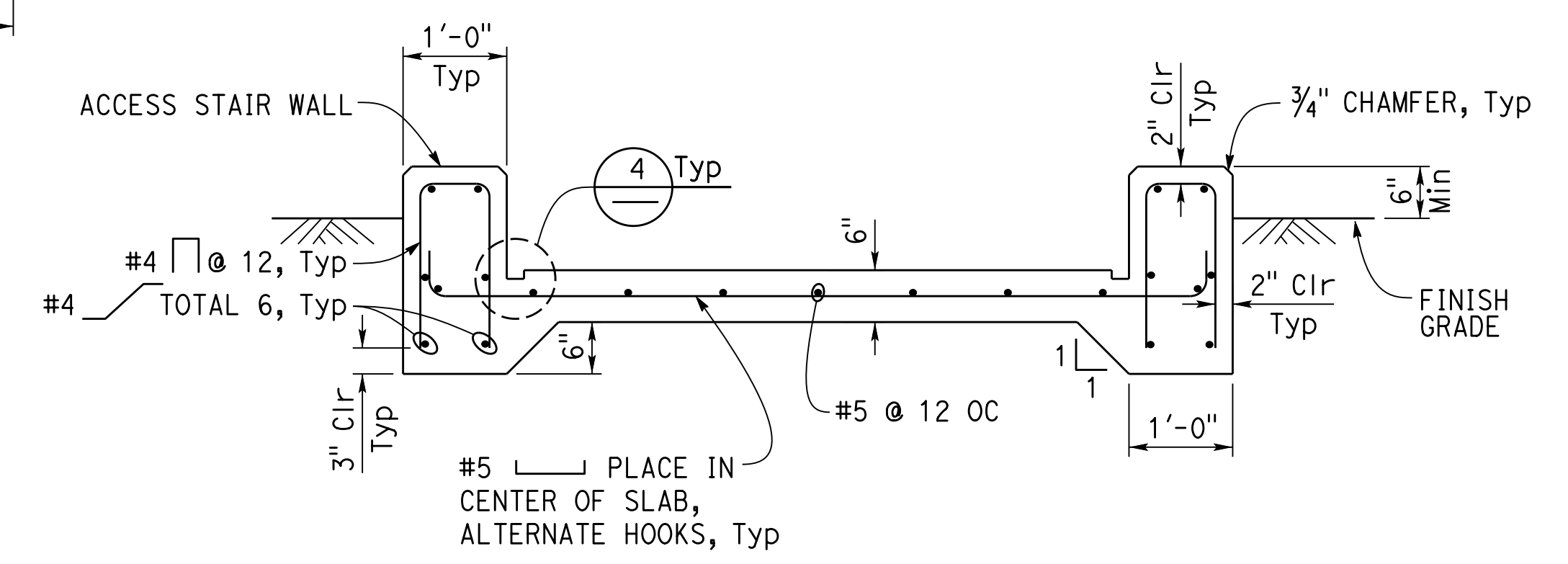
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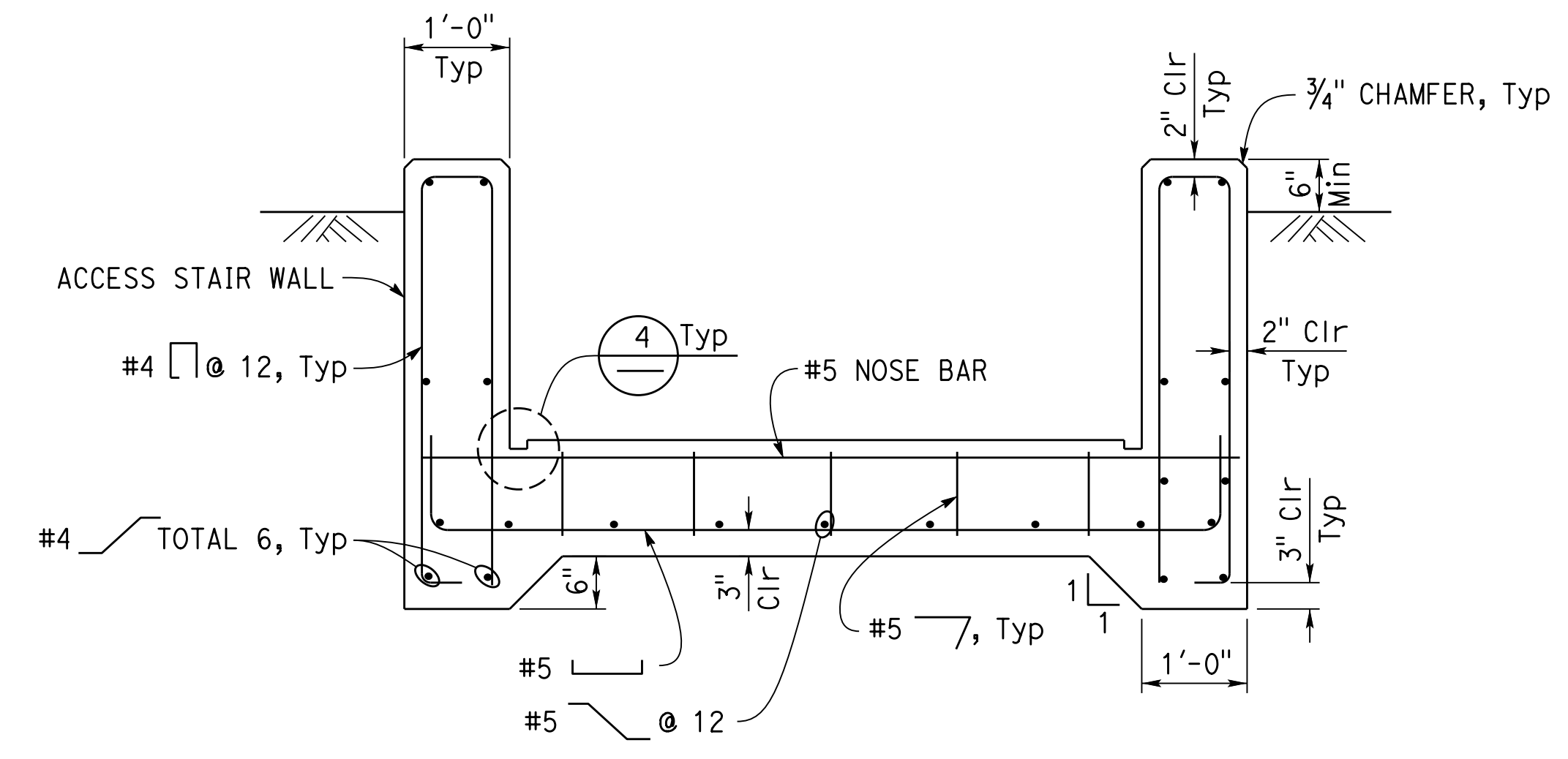
1 STAIR SECTION  
3/4" = 1'-0"



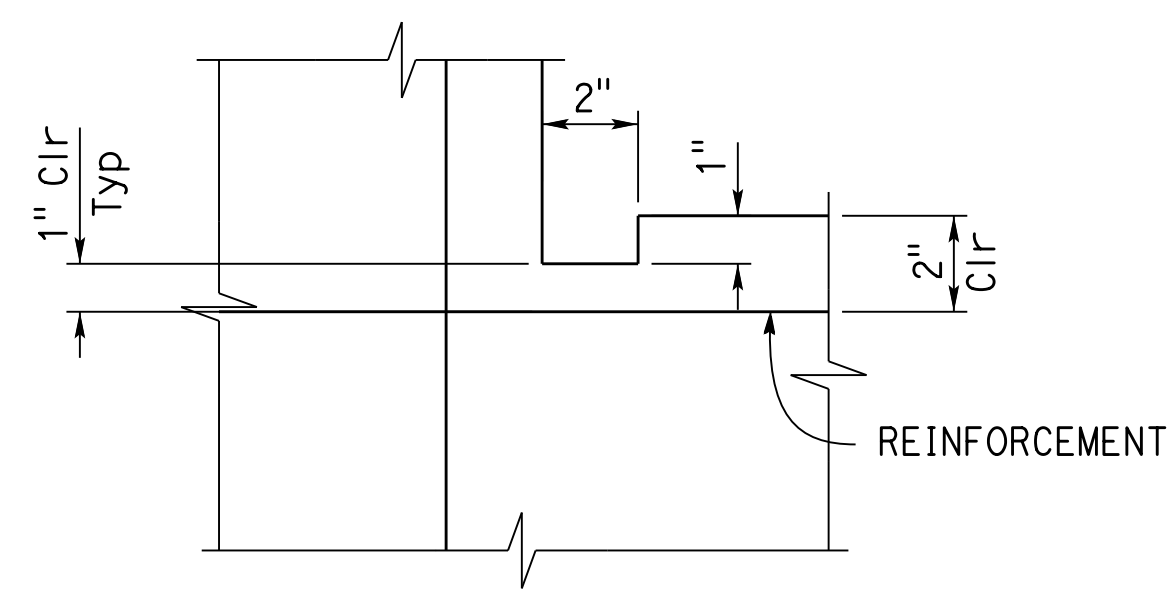
2 LANDING SECTION  
3/4" = 1'-0"



5 LANDING SECTION  
3/4" = 1'-0"



3 STAIR SECTION  
3/4" = 1'-0"



4 DRIP GROOVE DETAIL  
3" = 1'-0"

Note  
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

|            |         |           |              |                                                     |                                                                         |            |                                |                |
|------------|---------|-----------|--------------|-----------------------------------------------------|-------------------------------------------------------------------------|------------|--------------------------------|----------------|
| DESIGN     | BY      | GANG HONG | CHECKED      | STATE OF CALIFORNIA<br>DEPARTMENT OF TRANSPORTATION | DIVISION OF ENGINEERING SERVICES<br>ARCHITECTURAL AND STRUCTURAL DESIGN | BRIDGE No. | YERBA BUENA ISLAND USCG STAIRS | SHEET<br>ST1-6 |
|            | DETAILS | BY        | JANICE FUJII |                                                     |                                                                         | CHECKED    |                                |                |
| QUANTITIES | BY      |           | CHECKED      |                                                     |                                                                         | POST MILE  | LANDING AND STAIR DETAILS      | SHEET OF       |
|            |         |           |              |                                                     |                                                                         | 8.3        |                                |                |

|                                     |                                                 |                                         |          |
|-------------------------------------|-------------------------------------------------|-----------------------------------------|----------|
| UNIT: 3599 CONTRACT No.: 04-3A6414  | DISREGARD PRINTS BEARING EARLIER REVISION DATES | REVISION DATES (PRELIMINARY STAGE ONLY) | SHEET OF |
| PROJECT NUMBER & PHASE: 04190001531 | 09-28-18                                        | 10-05-18                                | 11-18-18 |

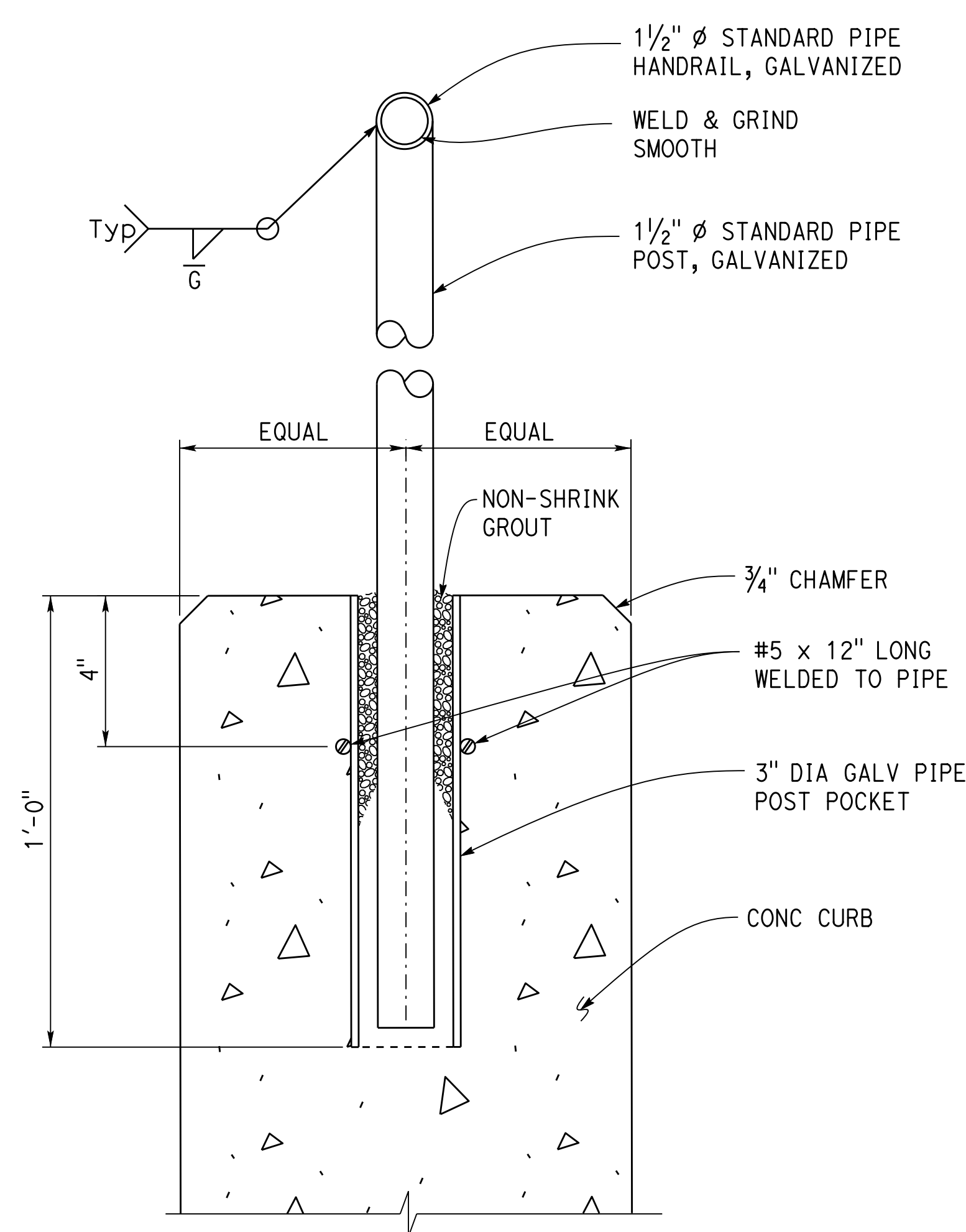
TAEMWW Imperial - CCSC Rev. 04/14 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 UNIT: 3599 CONTRACT No.: 04-3A6414 PROJECT NUMBER & PHASE: 04190001531 DISREGARD PRINTS BEARING EARLIER REVISION DATES 09-28-18 10-05-18 11-18-18 SHEET OF P:\dlst\_04\0416000289\_YB\_Stairs\expdite\ST1-06.dgn

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| 04   | SF     | 80    | 7.8/8.0                  | 37        | 37           |

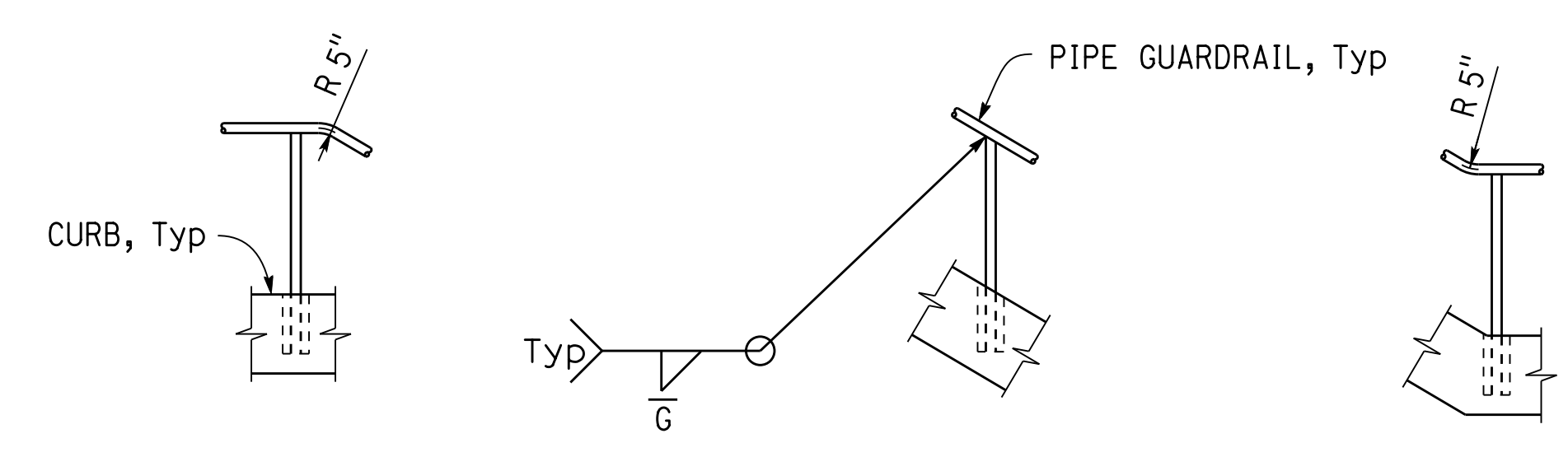
  

|                           |          |
|---------------------------|----------|
| <i>Gang Hong</i>          | 10-18-18 |
| REGISTERED CIVIL ENGINEER | DATE     |
| 05-17-19                  |          |
| PLANS APPROVAL DATE       |          |

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**1 HANDRAIL**  
NO SCALE



**2 ACCESS STAIRWAY RAILING DETAILS**  
 $\frac{1}{2}'' = 1'-0''$

**Note**  
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

|        |            |           |              |                                                            |                                                                                |            |           |                                                               |       |       |  |
|--------|------------|-----------|--------------|------------------------------------------------------------|--------------------------------------------------------------------------------|------------|-----------|---------------------------------------------------------------|-------|-------|--|
| DESIGN | BY         | GANG HONG | CHECKED      | <b>STATE OF CALIFORNIA</b><br>DEPARTMENT OF TRANSPORTATION | DIVISION OF ENGINEERING SERVICES<br><b>ARCHITECTURAL AND STRUCTURAL DESIGN</b> | BRIDGE No. | 59V04     | <b>YERBA BUENA ISLAND USCG STAIRS</b><br><br>HANDRAIL DETAILS | SHEET | ST1-7 |  |
|        | DETAILS    | BY        | JANICE FUJII |                                                            |                                                                                | CHECKED    | POST MILE |                                                               | 8.3   | OF    |  |
|        | QUANTITIES | BY        |              |                                                            |                                                                                | CHECKED    |           |                                                               |       |       |  |

|                                   |                                            |   |   |   |   |                                                                        |                                                 |                                         |          |          |  |  |  |  |  |  |
|-----------------------------------|--------------------------------------------|---|---|---|---|------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------|----------|----------|--|--|--|--|--|--|
| TAEMWW Imperial - CCSC Rev. 04/14 | ORIGINAL SCALE IN INCHES FOR REDUCED PLANS | 0 | 1 | 2 | 3 | UNIT: 3599 CONTRACT No.: 04-3A6414 PROJECT NUMBER & PHASE: 04190001531 | DISREGARD PRINTS BEARING EARLIER REVISION DATES | REVISION DATES (PRELIMINARY STAGE ONLY) | 09-28-18 | 10-05-18 |  |  |  |  |  |  |
|-----------------------------------|--------------------------------------------|---|---|---|---|------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------|----------|----------|--|--|--|--|--|--|

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