

INDEX OF PLANS

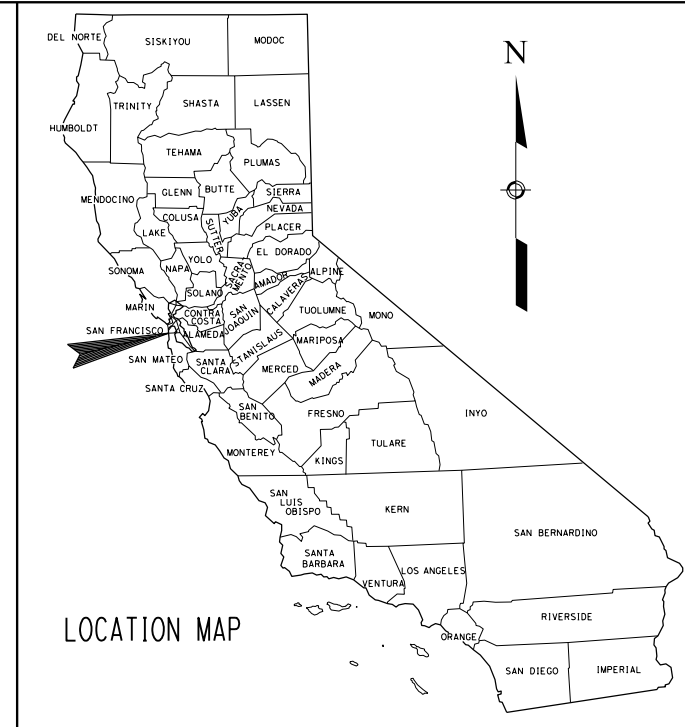
| SHEET No. | DESCRIPTION |
|-----------|---|
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THE CALTRANS STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

**CITY AND COUNTY OF SAN FRANCISCO
DEPARTMENT OF PUBLIC WORKS**

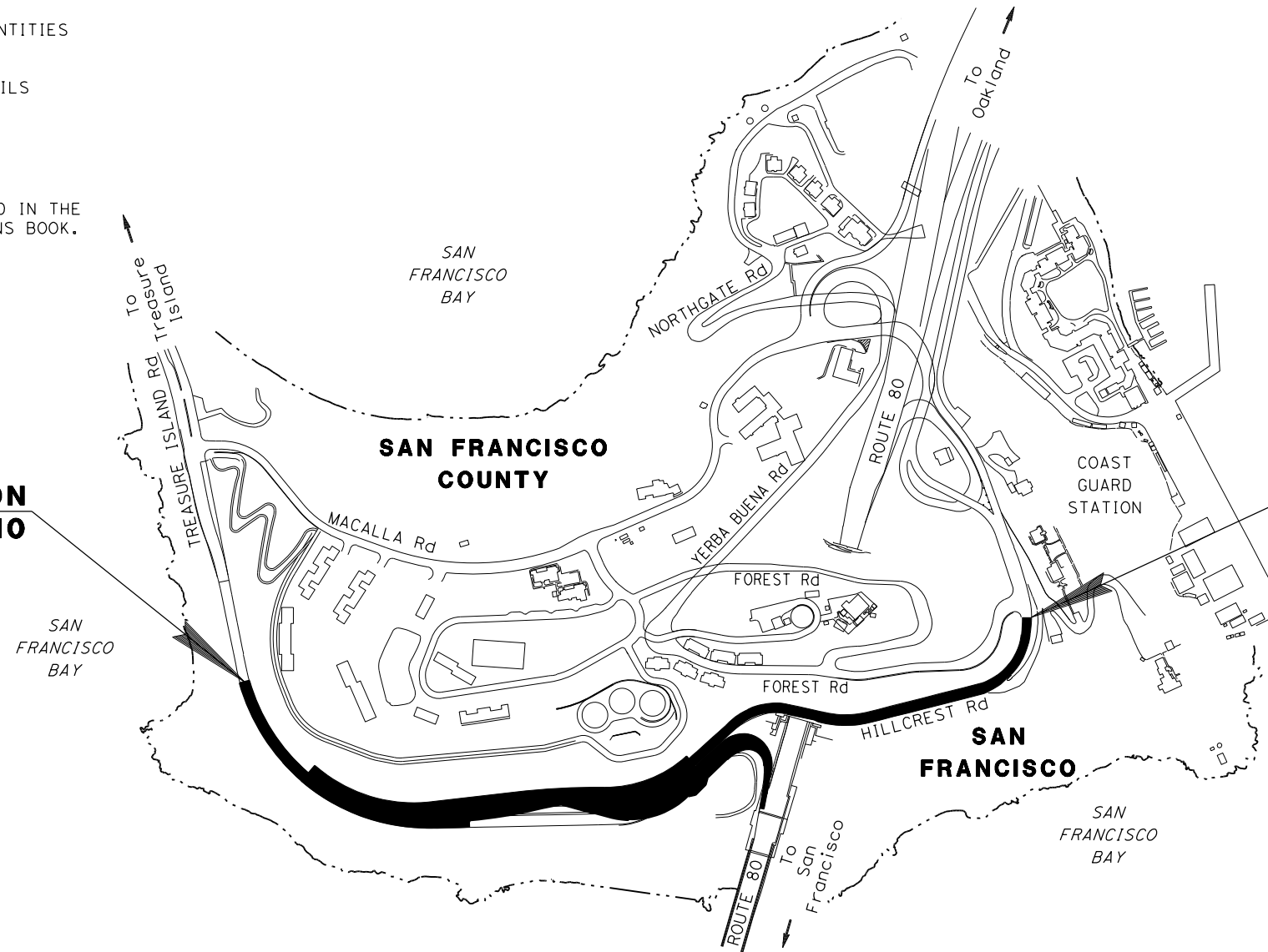
**PROJECT PLANS FOR CONSTRUCTION ON
YERBA BUENA ISLAND
IN SAN FRANCISCO COUNTY
IN SAN FRANCISCO
ON TREASURE ISLAND ROAD
BETWEEN I-80 SFOBB
AND 0.1 MILE SOUTH OF MACALLA ROAD**

TO BE SUPPLEMENTED BY CALTRANS STANDARD PLANS DATED 2018



BEGIN CONSTRUCTION
Sta "L" 55+10

END CONSTRUCTION
Sta "L" 83+72



90% PS&E SUBMITTAL
NOT FOR CONSTRUCTION
November 15, 2019

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."



REGISTERED CIVIL ENGINEER

PLANS SUBMITTAL DATE

PLANS APPROVAL DATE

WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



1111 BROADWAY, SUITE 300
OAKLAND, CA 94607
(510) 698-6300 (PHONE)
(510) 444-2450 (FAX)
www.wmhcorporation.com



SAN FRANCISCO COUNTY
TRANSPORTATION AUTHORITY (SFCTA)
100 VAN NESS AVENUE, 26TH FLOOR
SAN FRANCISCO, CA 94102
(415) 522-4800 (PHONE)
(415) 522-4829 (FAX)
www.sfcta.org



CITY AND COUNTY OF SAN FRANCISCO
DEPARTMENT OF PUBLIC WORKS
1 DR. CARLTON B. GOODLETT PLACE
CITY HALL, ROOM 348
SAN FRANCISCO, CA 94102
(415) 554-6920 (PHONE)
(415) 554-6944 (FAX)
www.sfdpw.org

| | | |
|--------------------------------|-----------------------------|--------------|
| USERNAME => sdwyer | | |
| CADD FILENAME => YBISab001.dgn | | |
| CONTRACT NO. 00000001 | | |
| SHEET NAME | SHEET NO. | TOTAL SHEETS |
| TITLE | 1 | |
| LAST REVISION | DATE PLOTTED => 11/17/2019 | |
| 11-15-19 | TIME PLOTTED => 11:19:50 PM | |

RELATIVE BORDER SCALE IS IN INCHES



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BORDER LAST REVISED 11/15/2019

NOTES

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATIONS AS SHOWN ON THE SUPERELEVATION DIAGRAMS.
3. FOR LOCATION OF SAWCUT/CONFORM LINES, SEE CONSTRUCTION DETAIL PLANS.
4. FOR LOCATION AND TYPE OF RETAINING WALL, SEE RETAINING WALL AND STRUCTURE PLANS.
5. FOR LOCATION OF GUTTERS AND DITCHES, SEE DRAINAGE PLANS.
6. FOR LIMITS AND TYPES OF CONCRETE BARRIER, DIKE, FENCE, AND MGS, SEE LAYOUT, CONSTRUCTION DETAILS AND QUANTITY SHEETS.

LEGEND:

- No. NEW STRUCTURAL SECTIONS
- No. EXISTING STRUCTURAL SECTIONS
- EXISTING STRUCTURE TO BE REMOVED

ABBREVIATIONS:

- CB (TYPE) CONCRETE BARRIER (TYPE)
- Str STRUCTURE
- RW RETAINING WALL
- MVP MAINTENANCE VEHICLE PULLOUT

EXISTING STRUCTURAL SECTION

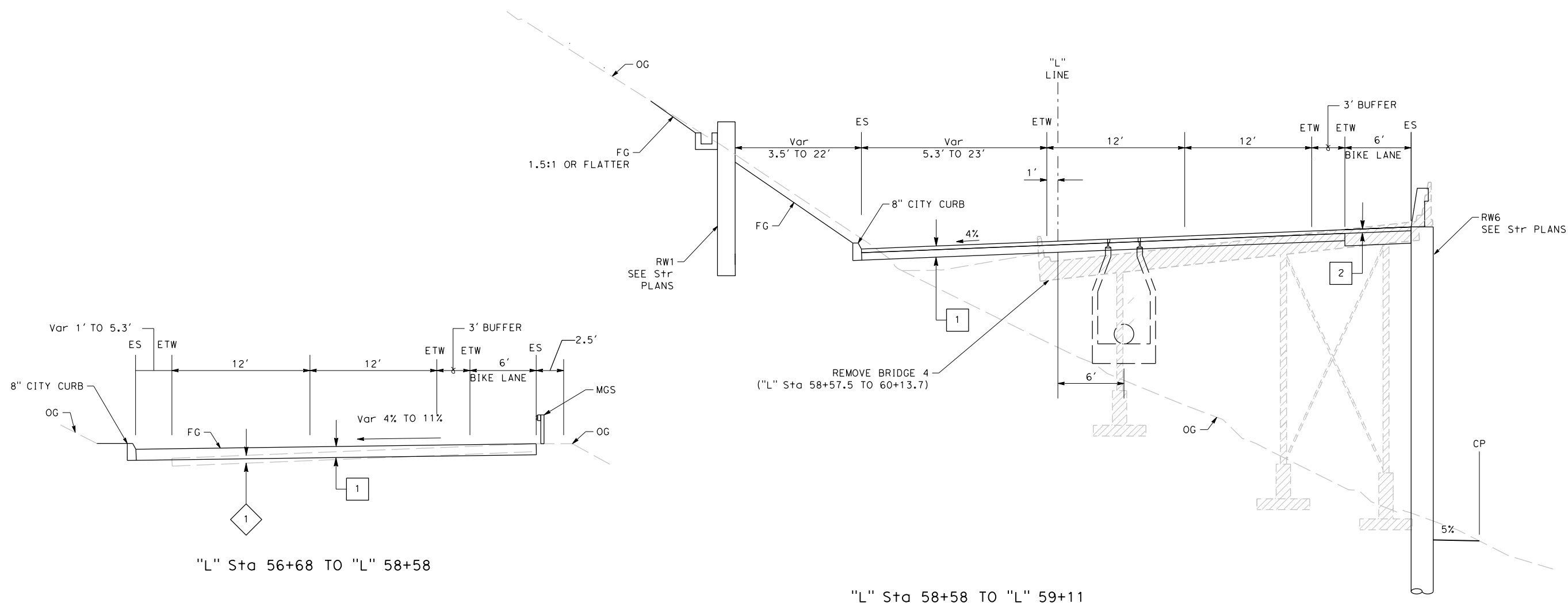
- 1 0.33' PLANT MIX SURFACE
0.67' CEMENT TREATED BASE

NEW STRUCTURAL SECTION

- 1 0.33' HMA (TYPE A)
0.67' CONCRETE BASE
- 2 0.33' HMA (TYPE A)
CONCRETE BARRIER SLAB (SEE STRUCTURE PLANS)






PAVEMENT CLIMATE REGION

CENTRAL COAST

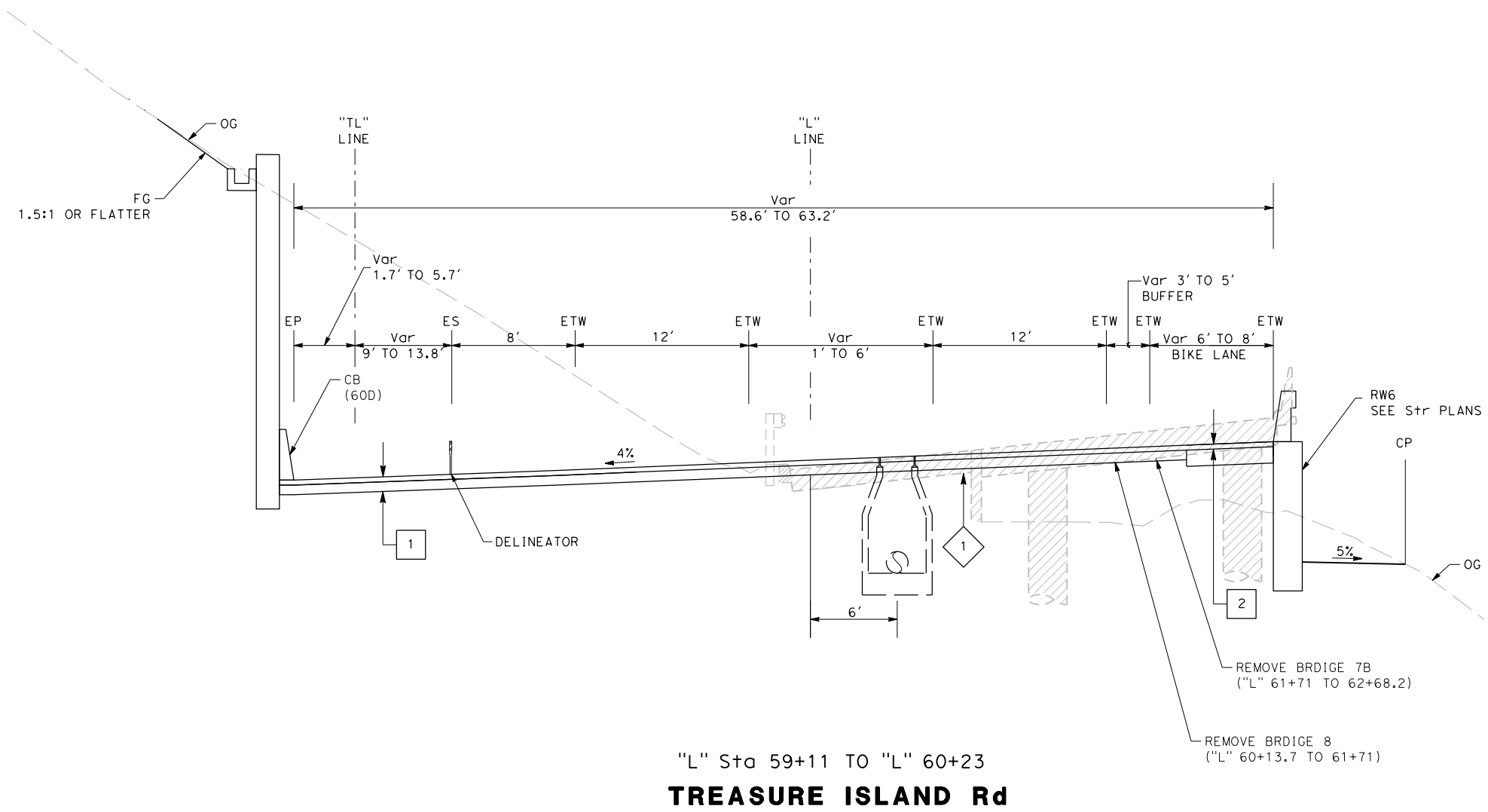


TREASURE ISLAND Rd

TYPICAL CROSS SECTIONS
NO SCALE

| | | | | | | | | |
|--------------------------------|------------------------------|--|---|----------------------|--|---|---|--------------------|
| REVISIONS | DESIGNED BY: S. DWYER |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| DATE REVISED | DRAWN BY: Y. IRETA | | PLANS APPROVAL DATE | CONTRACT NO. | | | | |
| PROJECT DESCRIPTION | CHECKED BY: S. DWYER | | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | SHEET NAME | | | | |
| | APPROVED BY: D. DICKINSON | | | SHEET NO. | | | | |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES |  | TOTAL SHEETS | X-1 2 | DATE PLOTTED => 11/17/2019 | TIME PLOTTED => 10:33:19 PM | |





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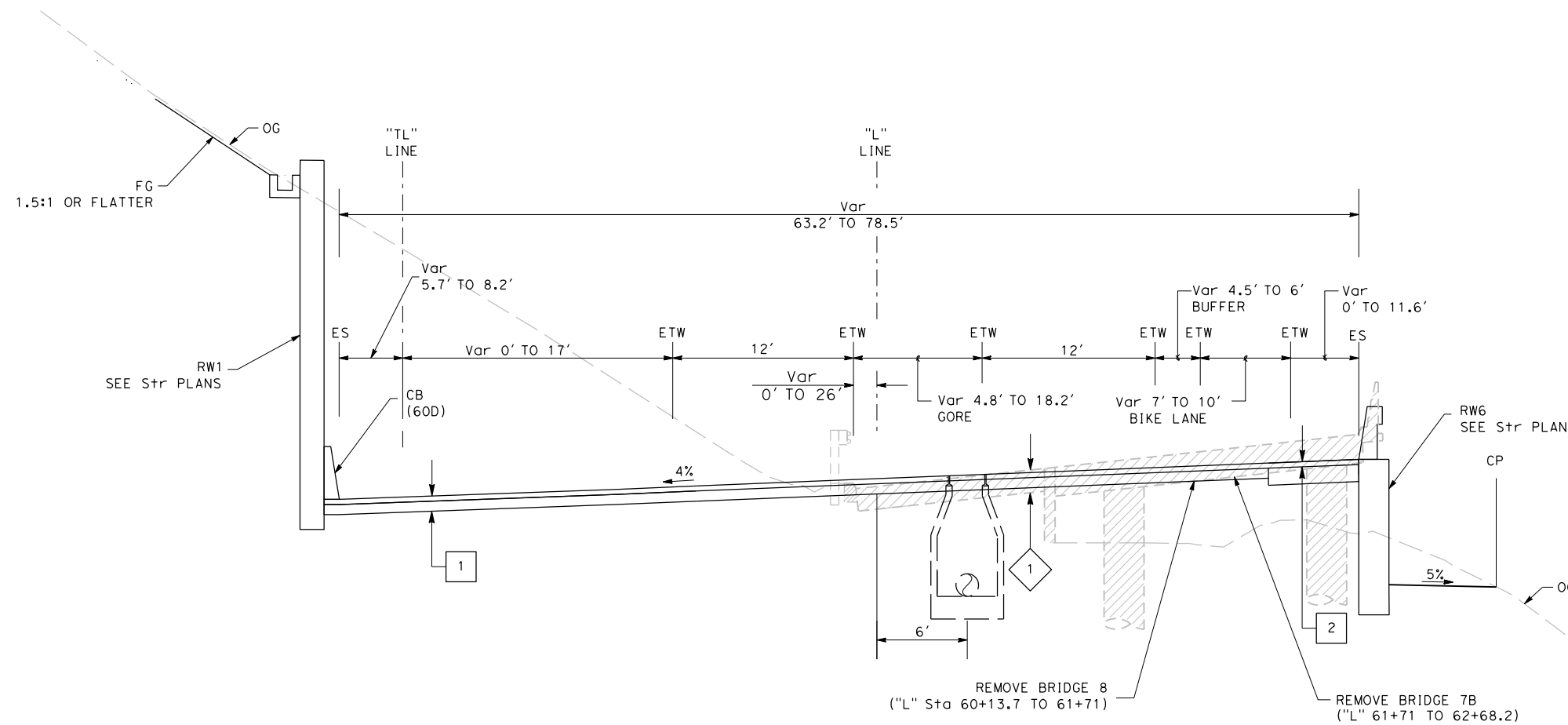


"L" Sta 59+11 TO "L" 60+23
TREASURE ISLAND Rd

FOR NOTES, ABBREVIATIONS
 AND LEGEND, SEE SHEET X-1

TYPICAL CROSS SECTIONS
 NO SCALE






| | | | | | | | | | | | | | | | |
|------------------------------------|-----------------------------|--|------------------------------|--|--|------------------------------------|--|---|---|--|---|---------------|----------------------------|------------|-----------------------------|
| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: S. DWYER |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | | | | | |
| | | | DRAWN BY: Y. IRETA | | | | | | | CADD FILENAME => YBISca002.dgn | | | | | |
| | | | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. | | | | | |
| | | | APPROVED BY: D. DICKINSON | | | | | | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>X-2</td> <td>3</td> <td></td> </tr> </table> | SHEET NAME | SHEET NO. | TOTAL SHEETS | X-2 | 3 |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | | |
| X-2 | 3 | | | | | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | <table border="1"> <tr> <td>RELATIVE BORDER SCALE IS IN INCHES</td> <td>0</td> <td>1</td> <td>2</td> <td>3</td> </tr> </table> | RELATIVE BORDER SCALE IS IN INCHES | 0 | 1 | 2 | 3 | <table border="1"> <tr> <td>LAST REVISION</td> <td>DATE PLOTTED => 11/17/2019</td> </tr> <tr> <td>11-15-19</td> <td>TIME PLOTTED => 10:33:20 PM</td> </tr> </table> | LAST REVISION | DATE PLOTTED => 11/17/2019 | 11-15-19 | TIME PLOTTED => 10:33:20 PM |
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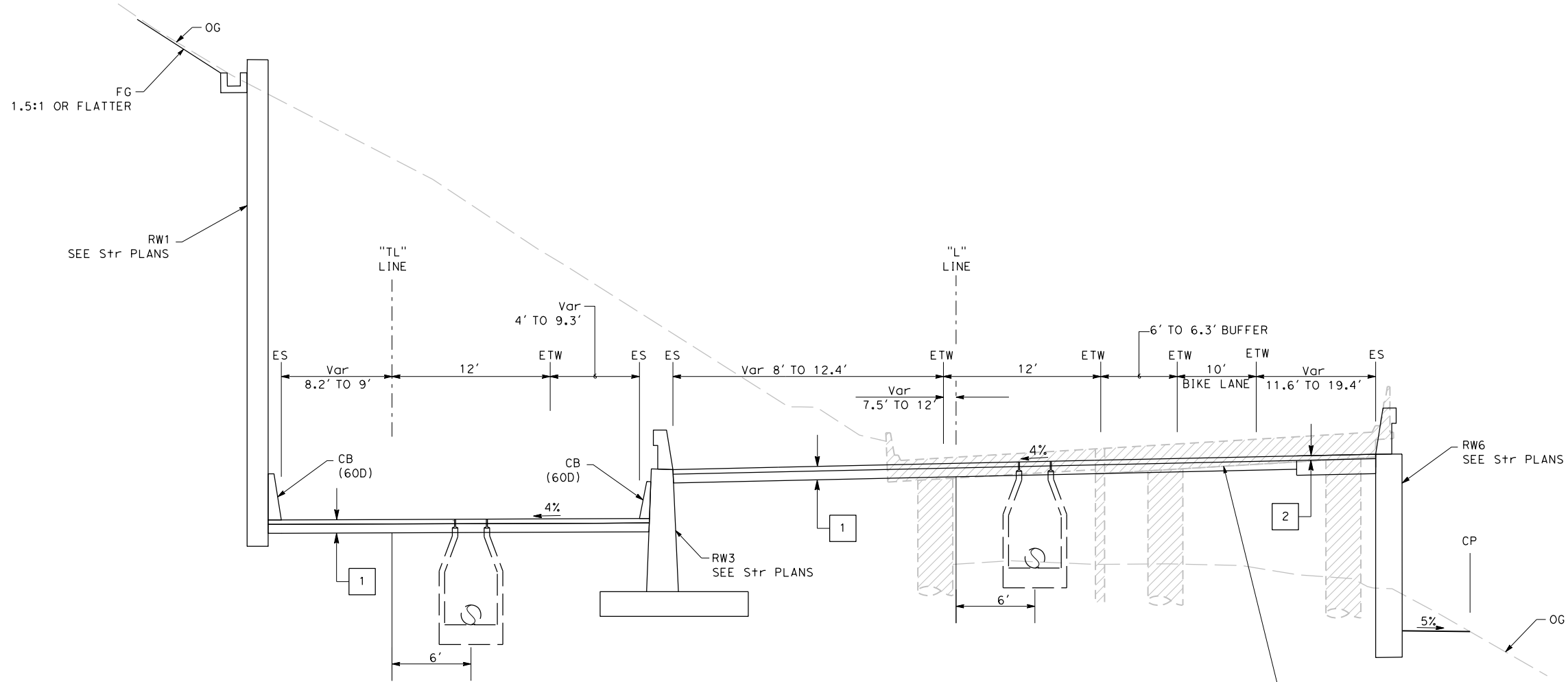
"L" Sta 60+23 TO "L" 62+76.6
TREASURE ISLAND Rd

FOR NOTES, ABBREVIATIONS
 AND LEGEND, SEE SHEET X-1

TYPICAL CROSS SECTIONS
 NO SCALE

| | | | | | | | | | | | |
|--------------------------------|-----------|--|------------------------------------|---|---------------------------|--|--|---|---|--|------------|
| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: S. DWYER |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | |
| | | | DRAWN BY: Y. IRETA | | | | | | | CADD FILENAME => YBISca003.dgn | |
| | | | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. | |
| | | | APPROVED BY: D. DICKINSON | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>X-3</td> <td>4</td> <td></td> </tr> </table> | SHEET NAME |
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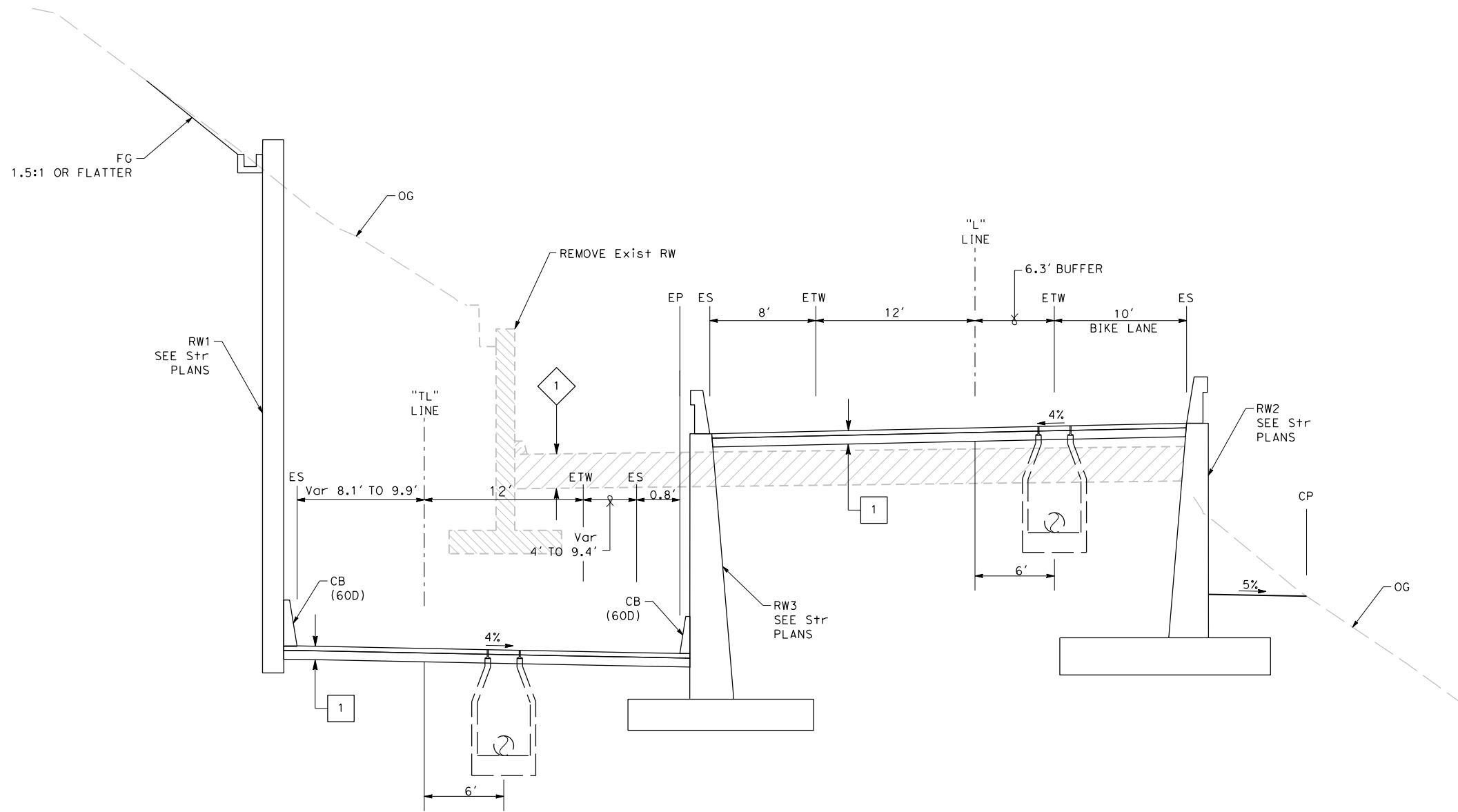
"L" Sta 62+76.6 TO 63+94
TREASURE ISLAND Rd

FOR NOTES, ABBREVIATIONS
 AND LEGEND, SEE SHEET X-1

TYPICAL CROSS SECTIONS
 NO SCALE

| | | | | | | | | | | |
|---|------------------------------|--|---------------------------|---------------------------------------|--|---|---|-----------------------------------|-----------------------------|--------------|
| REVISIONS | DESIGNED BY: S. DWYER |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | | |
| | DRAWN BY: Y. IRETA | | | | | | | CADD FILENAME => YBISca004.dgn | | |
| | CHECKED BY: S. DWYER | | PLANS APPROVAL DATE | | | | | CONTRACT NO. | | |
| | APPROVED BY: D. DICKINSON | | | | | | | | | |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | | SHEET NAME | SHEET NO. | TOTAL SHEETS |
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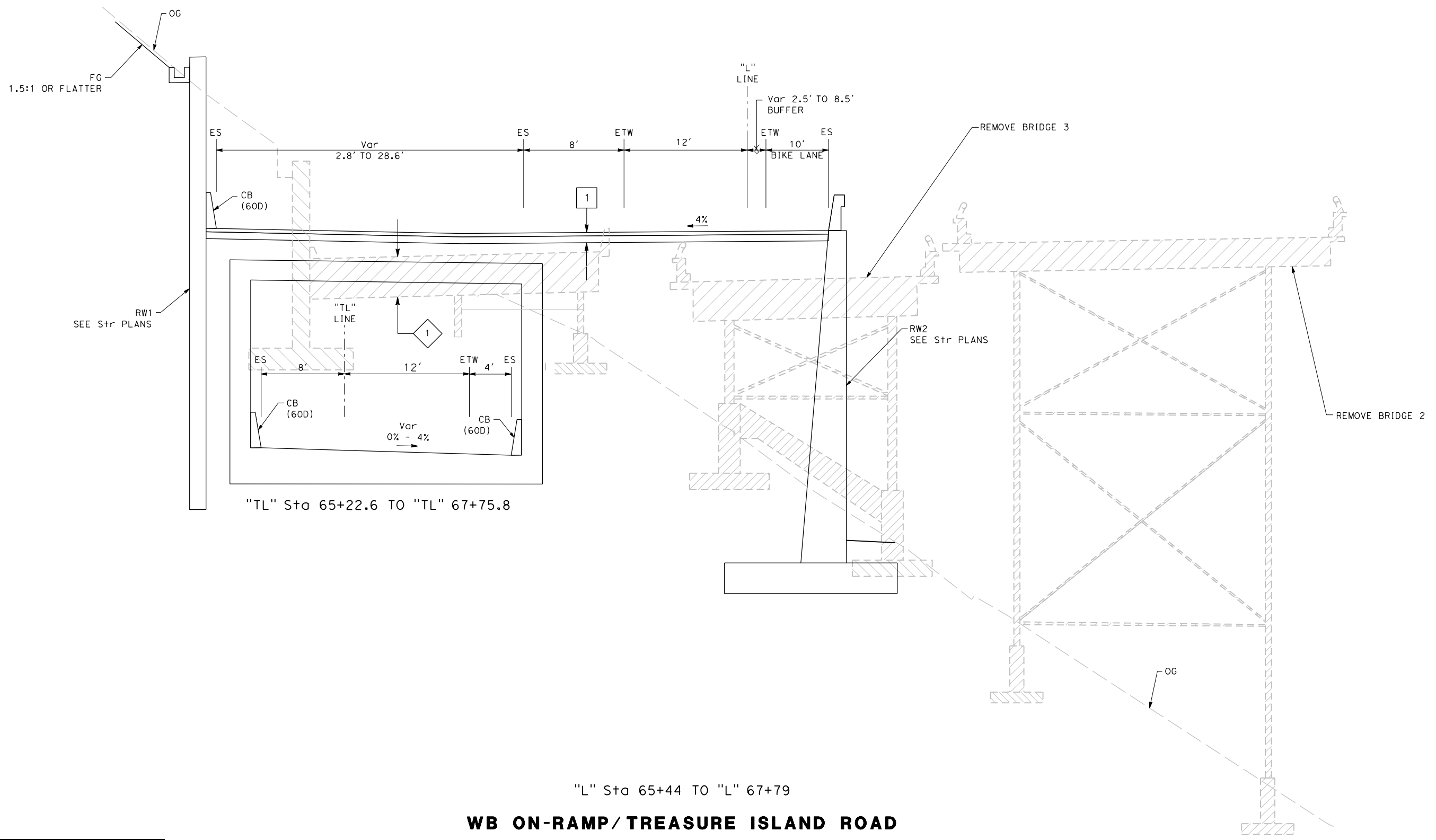


"L" Sta 63+94 TO "L" 65+44
TREASURE ISLAND Rd

FOR NOTES, ABBREVIATIONS
 AND LEGEND, SEE SHEET X-1

TYPICAL CROSS SECTIONS
 NO SCALE






| | | | | | | | | | | | | | | | | | | | |
|------------------------------------|-----------------|--|------------------------------|--|--|------------------------------------|--|---|---|--|---|---------------|-----------------|------------|------------|--|-----------------|--|-------------|
| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: S. DWYER |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | | | | | | | | | |
| | | | DRAWN BY: Y. IRETA | | | | | | | CADD FILENAME => YBISca005.dgn | | | | | | | | | |
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| BORDER LAST REVISED 11/15/2019 | | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | <table border="1"> <tr> <td>RELATIVE BORDER SCALE IS IN INCHES</td> <td>0</td> <td>1</td> <td>2</td> <td>3</td> </tr> </table> | RELATIVE BORDER SCALE IS IN INCHES | 0 | 1 | 2 | 3 | <table border="1"> <tr> <td>LAST REVISION</td> <td>DATE PLOTTED =></td> </tr> <tr> <td>11-15-19</td> <td>11/17/2019</td> </tr> <tr> <td></td> <td>TIME PLOTTED =></td> </tr> <tr> <td></td> <td>10:33:25 PM</td> </tr> </table> | LAST REVISION | DATE PLOTTED => | 11-15-19 | 11/17/2019 | | TIME PLOTTED => | | 10:33:25 PM |
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| 11-15-19 | 11/17/2019 | | | | | | | | | | | | | | | | | | |
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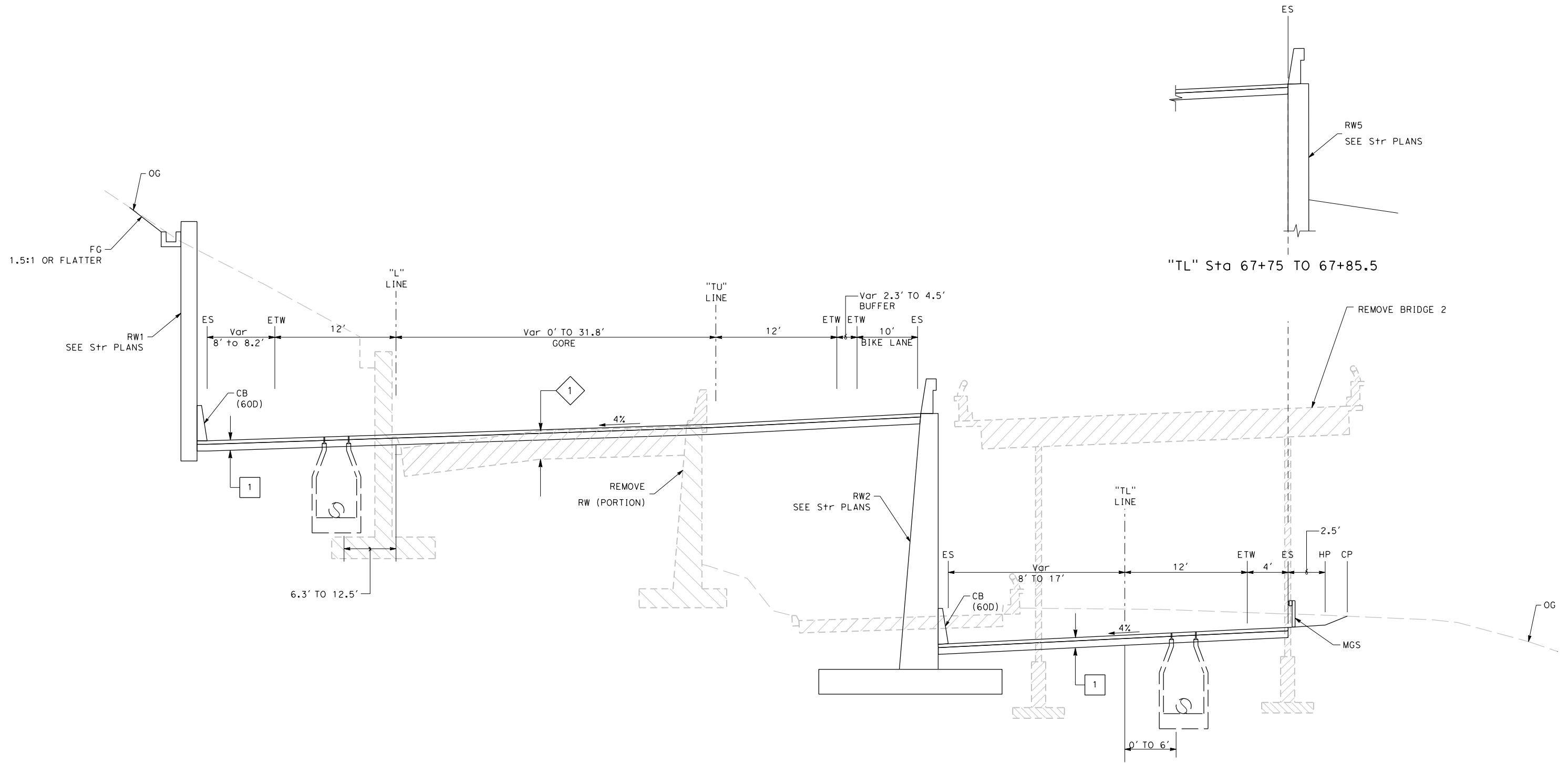
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET X-1

TYPICAL CROSS SECTIONS
NO SCALE

WB ON-RAMP/TREASURE ISLAND ROAD

| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: S. DWYER |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
|--------------------------------|-----------------------------|--|---------------------------------------|---|--|--|--|---|---|--------------------|
| | | | CHECKED BY: S. DWYER | | PLANS APPROVAL DATE | CADD FILENAME => YBISca006.dgn | | | | |
| | | | APPROVED BY: D. DICKINSON | | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | CONTRACT NO. | | | | |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES | |  | <table border="1"> <tr> <th>SHEET NAME</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> <tr> <td>X-6</td> <td>7</td> <td></td> </tr> </table> | | | | SHEET NAME |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | |
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| 11-15-19 | TIME PLOTTED => 10:33:27 PM | | | | | | | | | |

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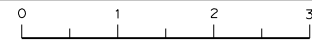


"L" Sta 67+79 TO "L" 69+62

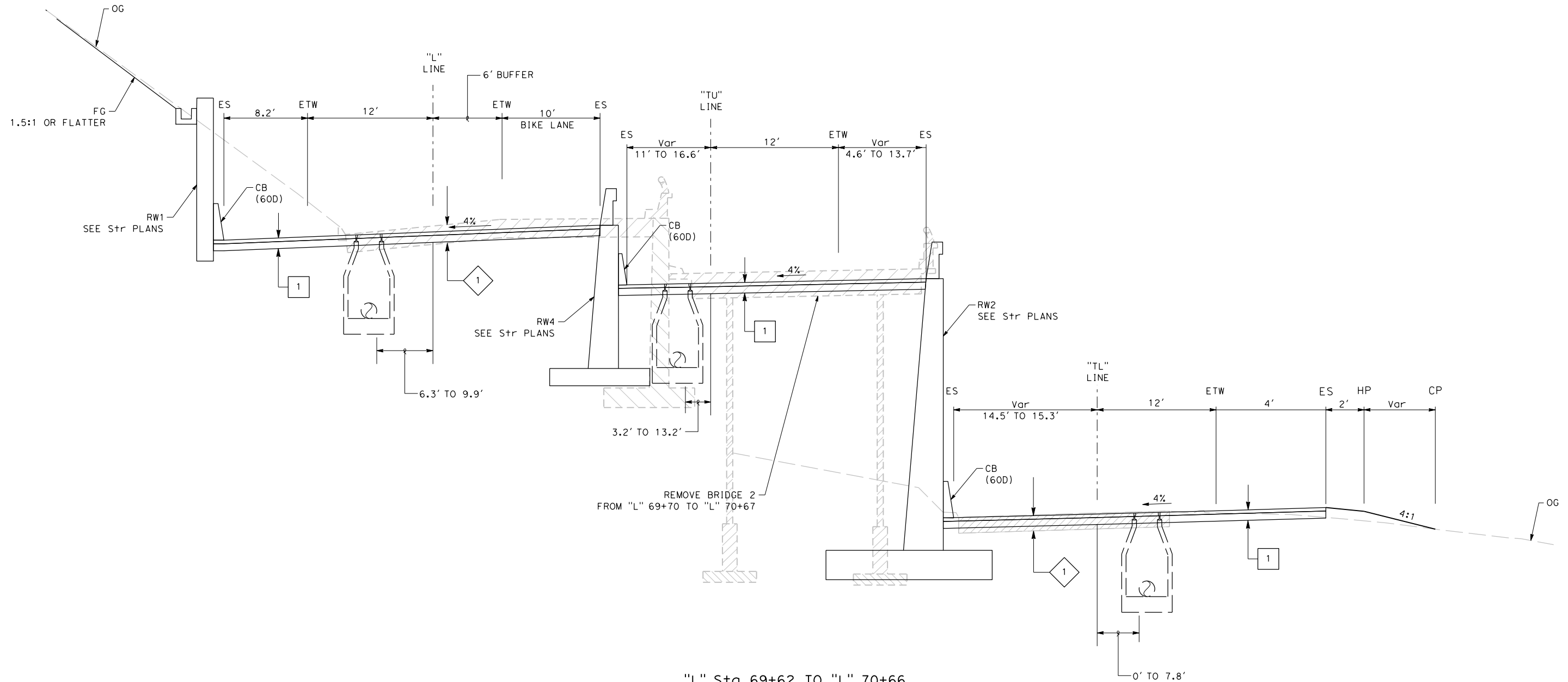
WB ON-RAMP/TREASURE ISLAND ROAD

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET X-1

TYPICAL CROSS SECTIONS
NO SCALE

| REVISIONS | DESIGNED BY: S. DWYER |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | | | | | | | | | |
|--------------------------------|------------------------------|--|---------------------------|--|--|---|---|--------------------------------|------------|----------|--|---|--|---------------|----------------------------|----------|-----------------------------|
| | DRAWN BY: Y. IRETA | | | | | | | CADD FILENAME => YBISca007.dgn | | | | | | | | | |
| | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. | | | | | | | | | |
| | APPROVED BY: D. DICKINSON | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | | | | | | | | | | | | |
| PROJECT DESCRIPTION | | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | <table border="1"> <thead> <tr> <th>SHEET NAME</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> </thead> <tbody> <tr> <td>X-7</td> <td>8</td> <td></td> </tr> </tbody> </table> | | SHEET NAME | SHEET NO. | TOTAL SHEETS | X-7 | 8 | | <table border="1"> <tr> <td>LAST REVISION</td> <td>DATE PLOTTED => 11/17/2019</td> </tr> <tr> <td>11-15-19</td> <td>TIME PLOTTED => 10:33:28 PM</td> </tr> </table> | | LAST REVISION | DATE PLOTTED => 11/17/2019 | 11-15-19 | TIME PLOTTED => 10:33:28 PM |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | | | | |
| X-7 | 8 | | | | | | | | | | | | | | | | |
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| 11-15-19 | TIME PLOTTED => 10:33:28 PM | | | | | | | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | |  | | | | | | | | | | | | | |






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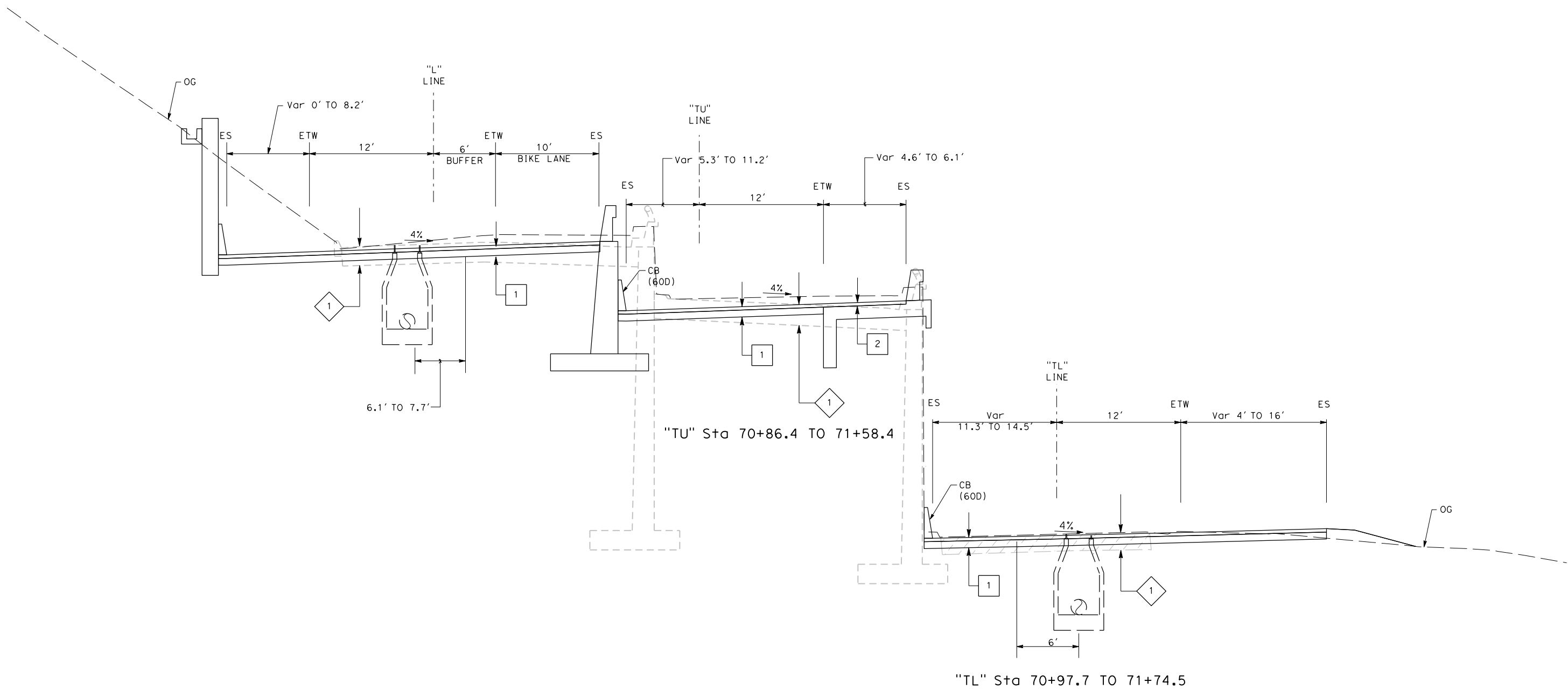
"L" Sta 69+62 TO "L" 70+66
WB ON-RAMP/TREASURE ISLAND ROAD

FOR NOTES, ABBREVIATIONS
 AND LEGEND, SEE SHEET X-1

TYPICAL CROSS SECTIONS
 NO SCALE

| | | | | | | | | | | |
|--------------------------------|------|--|------------------------------|--|---------------------------|---|--|---|---|-----------------------------------|
| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: S. DWYER |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| | | | DRAWN BY: Y. IRETA | | | | | | | CADD FILENAME => YBISca008.dgn |
| | | | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. |
| | | | APPROVED BY: D. DICKINSON | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | RELATIVE BORDER SCALE IS IN INCHES  | | SHEET NAME: X-8 SHEET NO.: 9 TOTAL SHEETS: | | |
| | | | | | | LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:33:30 PM | | | | |

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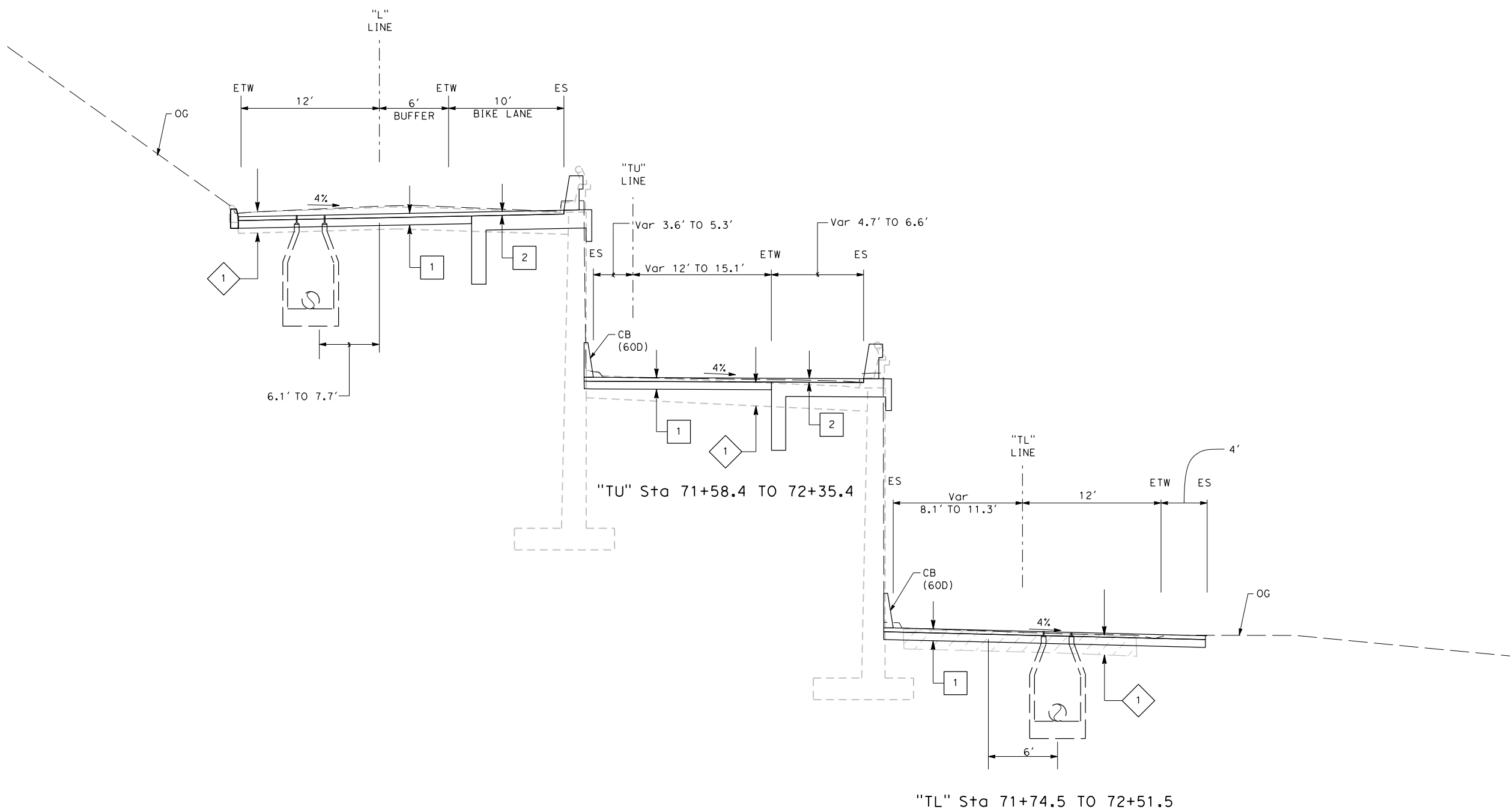
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET X-1

"L" Sta 70+66 TO "L" Sta 71+34
TREASURE ISLAND ROAD

TYPICAL CROSS SECTIONS
 NO SCALE

| | | | | | | | | | | | | |
|--|------------------------------|--------------|------------------------------------|--|--|--|--|---|---------------|----------------------------|--------------|-----------------------------|
| REVISIONS | DESIGNED BY: S. DWYER | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer | | | | |
| | DRAWN BY: Y. IRETA | | | | | | | CADD FILENAME => YBISca009.dgn | | | | |
| | CHECKED BY: S. DWYER | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | | | CONTRACT NO. | | | | |
| | APPROVED BY: D. DICKINSON | | | | | | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>X-9</td> <td>10</td> <td></td> </tr> </table> | SHEET NAME | SHEET NO. | TOTAL SHEETS | X-9 |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | |
| X-9 | 10 | | | | | | | | | | | |
| PROJECT DESCRIPTION YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | | <table border="1"> <tr> <td>LAST REVISION</td> <td>DATE PLOTTED => 11/17/2019</td> </tr> <tr> <td>11-15-19</td> <td>TIME PLOTTED => 10:33:31 PM</td> </tr> </table> | LAST REVISION | DATE PLOTTED => 11/17/2019 | 11-15-19 | TIME PLOTTED => 10:33:31 PM |
| LAST REVISION | DATE PLOTTED => 11/17/2019 | | | | | | | | | | | |
| 11-15-19 | TIME PLOTTED => 10:33:31 PM | | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES | | | | | | | | | |

X:\YBI_STRUCTURES\000_CAD_Sheets\CA-X\Sections\YBI_Sca009.dgn



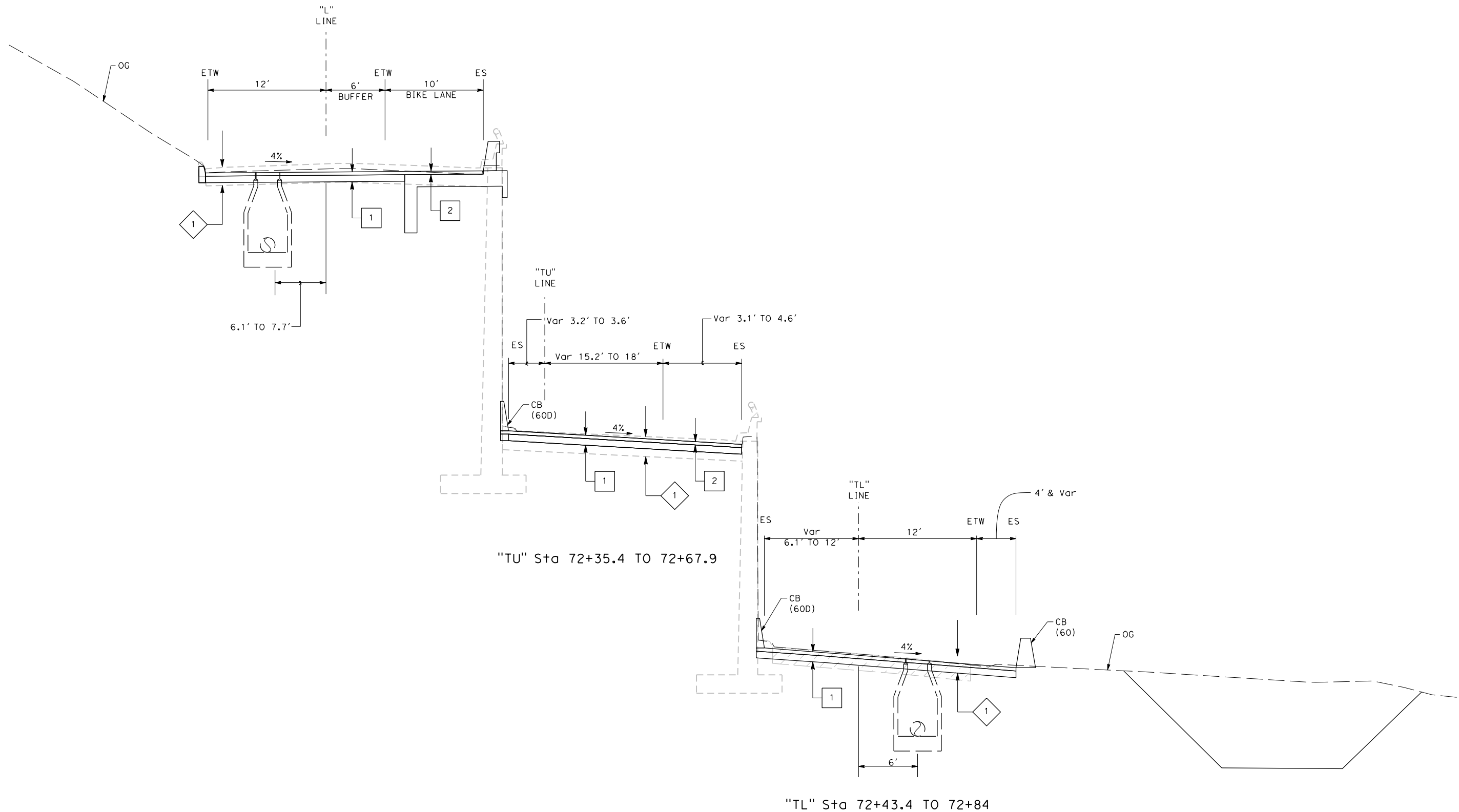
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET X-1

"L" Sta 71+34 TO "L" Sta 72+11
TREASURE ISLAND ROAD

TYPICAL CROSS SECTIONS
 NO SCALE

| | | | | | | | | | | | | | | |
|--|------------------------------|------------------------------------|---------------------------|--|--|---|--|--|------------|-----------|--------------|-------------|-----------|--|
| REVISIONS | DESIGNED BY: S. DWYER | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer | | | | | | |
| | DRAWN BY: Y. IRETA | | | | | | | CADD FILENAME => YBISca010.dgn | | | | | | |
| | CHECKED BY: S. DWYER | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | | | CONTRACT NO. | | | | | | |
| | APPROVED BY: D. DICKINSON | | | | | | | | | | | | | |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | | | | | | | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>X-10</td> <td>11</td> <td></td> </tr> </table> | SHEET NAME | SHEET NO. | TOTAL SHEETS | X-10 | 11 | |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | |
| X-10 | 11 | | | | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | | | | LAST REVISION 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:33:33 PM | | | | | | | | |

X:\YB\STRUCTURES\000_CAD_Sheets\CA-X\Sections\YBISca010.dgn



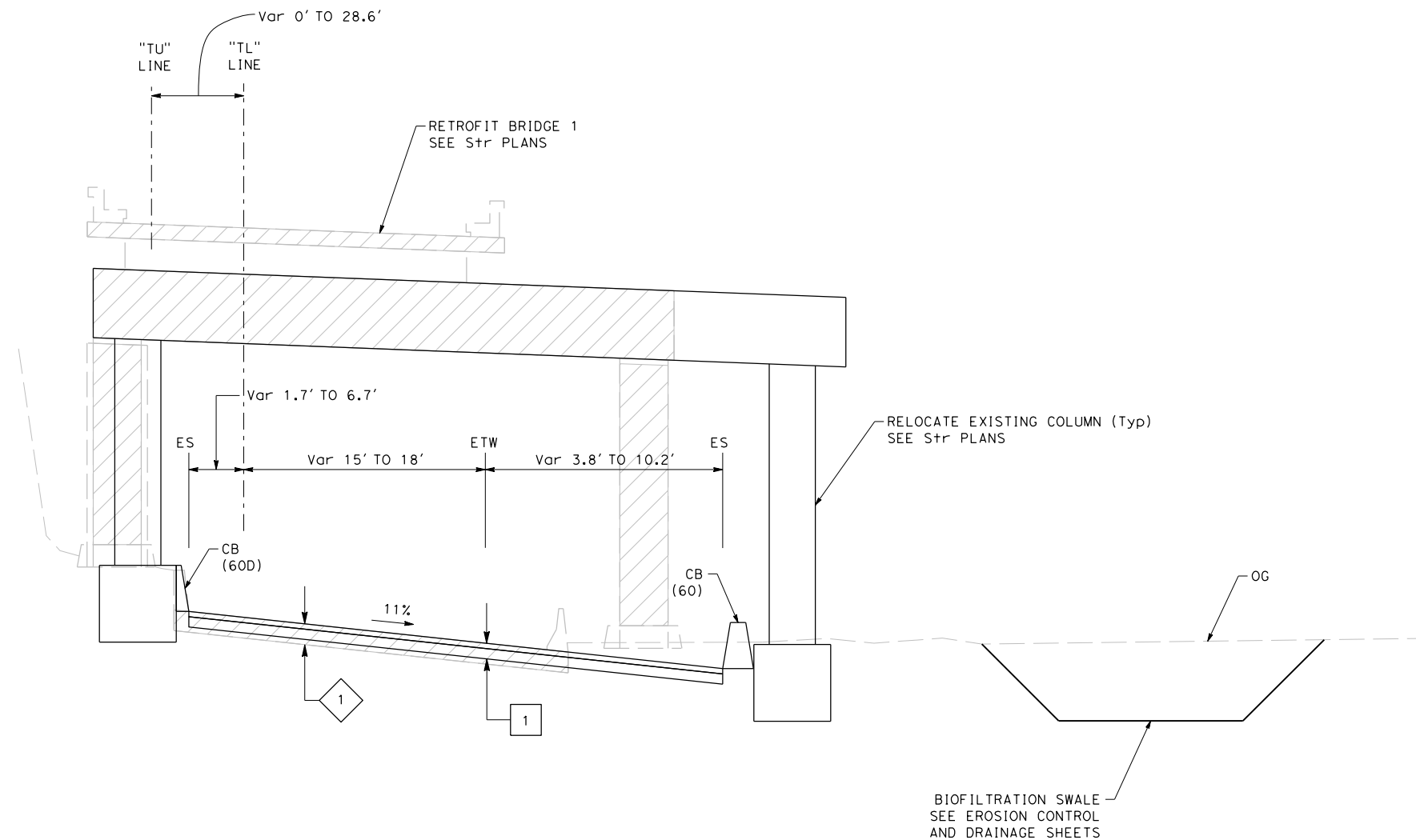
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET X-1

"L" Sta 72+11 TO "L" Sta 72+43.4
TREASURE ISLAND ROAD

TYPICAL CROSS SECTIONS
 NO SCALE

| | | | | | | | | | | | | | |
|--------------------------------|-----------------|--|------------------------------------|--|---|--|---|----------|------------|--|-----------------|-----------|--------------|
| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: S. DWYER | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | | USERNAME => sdwyer | | | |
| | | | DRAWN BY: Y. IRETA | | | | | | | CADD FILENAME => YBISca011.dgn | | | |
| | | | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. | | | |
| | | | APPROVED BY: D. DICKINSON | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>X-11</td> <td>12</td> <td></td> </tr> </table> | SHEET NAME | SHEET NO. | TOTAL SHEETS |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | |
| X-11 | 12 | | | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES | | <table border="1"> <tr> <td>LAST REVISION</td> <td>DATE PLOTTED =></td> </tr> <tr> <td>11-15-19</td> <td>11/17/2019</td> </tr> <tr> <td></td> <td>TIME PLOTTED =></td> </tr> <tr> <td></td> <td>10:33:34 PM</td> </tr> </table> | LAST REVISION | DATE PLOTTED => | 11-15-19 | 11/17/2019 | | TIME PLOTTED => | | 10:33:34 PM |
| LAST REVISION | DATE PLOTTED => | | | | | | | | | | | | |
| 11-15-19 | 11/17/2019 | | | | | | | | | | | | |
| | TIME PLOTTED => | | | | | | | | | | | | |
| | 10:33:34 PM | | | | | | | | | | | | |






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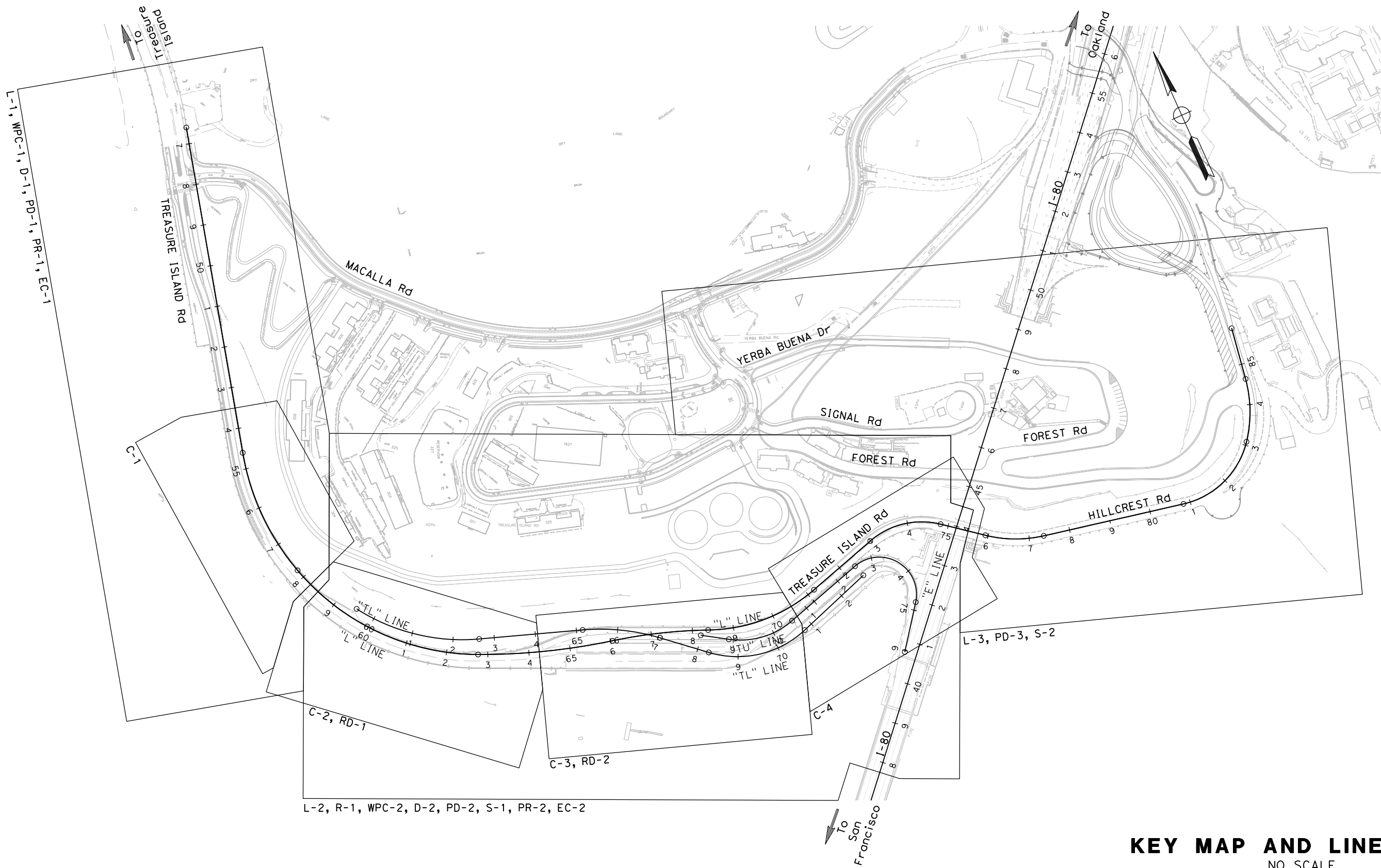
"TL" Sta 72+84 TO "TL" Sta 74+61
TREASURE ISLAND ROAD

TYPICAL CROSS SECTIONS
 NO SCALE

FOR NOTES, ABBREVIATIONS
 AND LEGEND, SEE SHEET X-1

| | | | | | | | | | | | |
|--------------------------------|-----------|--|------------------------------|--|---------------------------------------|---|--|---|---|--|------------|
| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: S. DWYER |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | |
| | | | DRAWN BY: Y. IRETA | | | | | | | CADD FILENAME => YBISca012.dgn | |
| | | | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. | |
| | | | APPROVED BY: D. DICKINSON | | | | | | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>X-12</td> <td>13</td> <td></td> </tr> </table> | SHEET NAME |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | |
| X-12 | 13 | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | RELATIVE BORDER SCALE IS IN INCHES |  | LAST REVISION 11-15-19 | DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:33:36 PM | | | |

X:\YBI_STRUCTURE\000_CAD_Sheets\CA-X\Sections\YBI_Sca012.dgn



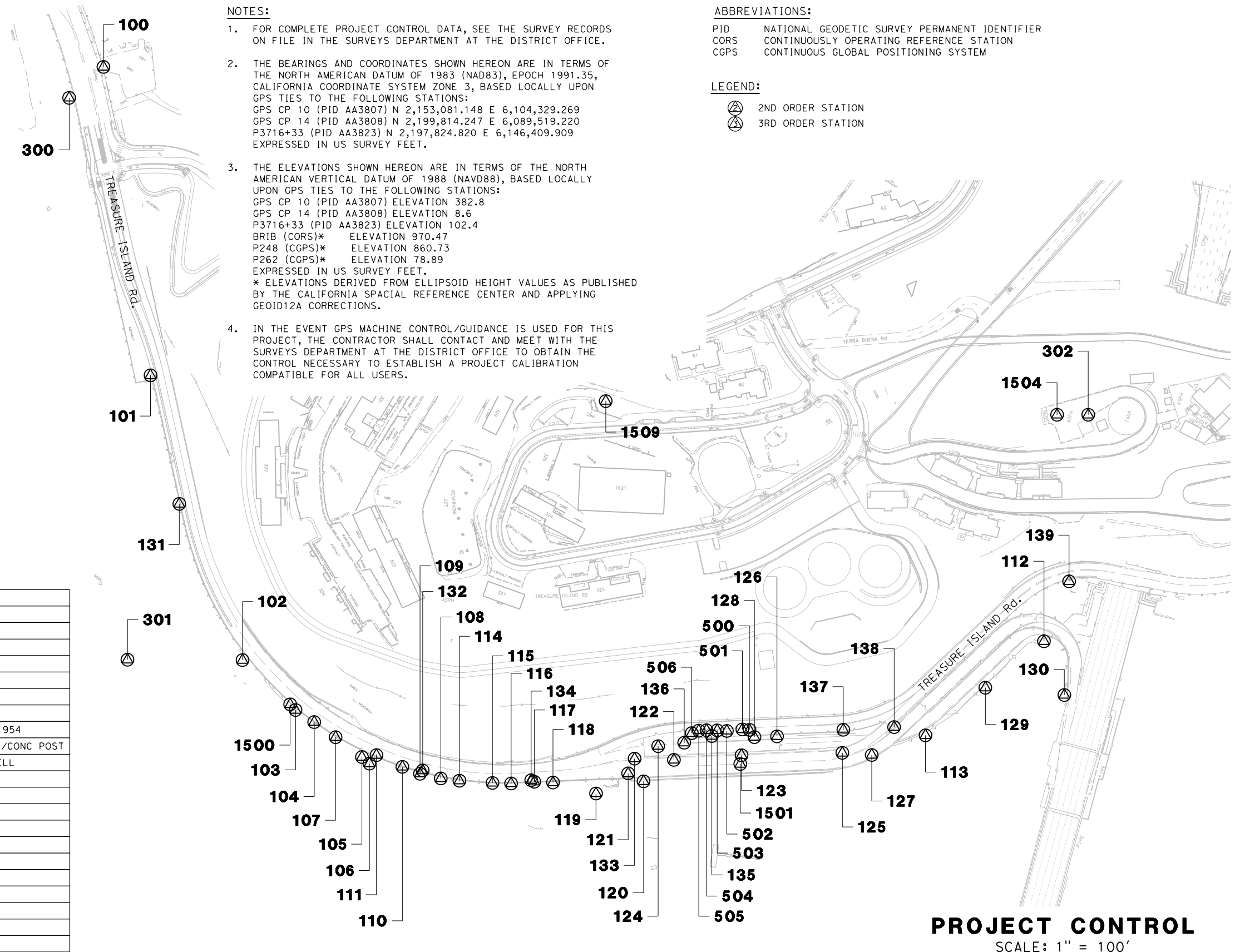
KEY MAP AND LINE INDEX
NO SCALE

| REVISOR | DATE | <p>YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT</p> <p>PROJECT DESCRIPTION</p> | DESIGNED BY: S. DWYER | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer | | | | | |
|--------------------------------|-----------|---|--|--|--|----------------------|---|--|------------|--------------------------------|--------------|------------|-----------|--|--|
| | | | DRAWN BY: S. DWYER | | | | | | | CADD FILENAME => YBISda001.dgn | | | | | |
| | | | CHECKED BY: D. DICKINSON | | | | | | | CONTRACT NO. | | | | | |
| | | | APPROVED BY: D. DICKINSON | | | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | <p>PLANS APPROVAL DATE</p> <p>RELATIVE BORDER SCALE IS IN INCHES</p> | | <p>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</p> | | <table border="1"> <thead> <tr> <th>SHEET NAME</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> </thead> <tbody> <tr> <td>K-1</td> <td>14</td> <td></td> </tr> </tbody> </table> | | SHEET NAME | SHEET NO. | TOTAL SHEETS | K-1 | 14 | | <p>LAST REVISION 11-15-19</p> <p>DATE PLOTTED => 11/17/2019</p> <p>TIME PLOTTED => 10:33:39 PM</p> |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | | |
| K-1 | 14 | | | | | | | | | | | | | | |

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CONTROL FOR DESIGN AND CONSTRUCTION

| STATION DESIGNATION | ORDER | COORDINATES | | ELEVATION | DESCRIPTION |
|---------------------|-------|-------------|-------------|-----------|-----------------------------------|
| | | NORTHING | EASTING | | |
| 100 | x | 2124130.818 | 6021281.951 | 52.49 | CP/MAG + FLAG |
| 101 | x | 2123574.946 | 6021100.870 | 83.74 | CP/MAG + FLAG |
| 102 | x | 2123021.010 | 6021015.972 | 114.83 | CP |
| 103 | x | 2122892.547 | 6021063.681 | 123.24 | CP |
| 104 | x | 2122855.856 | 6021085.217 | 107.58 | CP/HUB & MAG |
| 105 | x | 2122757.236 | 6021135.770 | 122.80 | CP/HUB & MAG |
| 106 | x | 2122739.896 | 6021142.700 | 120.05 | CP/REBAR & CAP |
| 107 | x | 2122812.595 | 6021108.305 | 98.83 | CP/60 NAIL |
| 108 | x | 2122655.202 | 6021249.768 | 133.25 | CP/REBAR & CAP |
| 109 | x | 2122680.445 | 6021218.878 | 129.48 | CP/HUB & PUNCH |
| 110 | x | 2122706.804 | 6021195.116 | 125.95 | CP/HUB & PUNCH |
| 111 | x | 2122748.167 | 6021161.620 | 124.93 | CP/HUB & PUNCH |
| 112 | x | 2122379.706 | 6022373.367 | 156.03 | CP |
| 113 | x | 2122321.399 | 6022097.057 | 171.99 | CP/SET REBAR + CAP |
| 114 | x | 2122635.715 | 6021279.052 | 135.40 | CP/REBAR & CAP |
| 115 | x | 2122604.231 | 6021332.473 | 139.46 | CP/REBAR & CAP |
| 116 | x | 2122587.702 | 6021363.173 | 141.83 | CP/60 NAIL |
| 117 | x | 2122571.168 | 6021403.475 | 133.56 | CP/HUB & PUNCH |
| 118 | x | 2122554.194 | 6021434.200 | 146.28 | CP/HUB & PUNCH |
| 119 | x | 2122500.320 | 6021496.477 | 147.64 | CP/REBAR & CAP |
| 120 | x | 2122480.176 | 6021586.963 | 133.82 | CP/REBAR & CAP |
| 121 | x | 2122506.468 | 6021567.777 | 144.88 | CP/REBAR & CAP |
| 122 | x | 2122490.582 | 6021655.669 | 134.89 | CP/SCRIBE |
| 123 | x | 2122441.619 | 6021772.865 | 134.46 | CP/SCRIBE |
| 124 | x | 2122526.822 | 6021640.947 | 156.91 | CP/MAG NAIL |
| 125 | x | 2122361.027 | 6021943.576 | 169.91 | CP/REBAR & CAP |
| 126 | x | 2122443.464 | 6021848.005 | 168.28 | CP/SCRIBE |
| 127 | x | 2122332.716 | 6021990.952 | 170.77 | CP/WP/HUB & PUNCH |
| 128 | x | 2122461.161 | 6021809.671 | 160.99 | CP/SCRIBE |
| 129 | x | 2122350.922 | 6022237.223 | 167.63 | CP/REBAR & CAP |
| 130 | x | 2122272.139 | 6022363.267 | 148.69 | CP/REBAR & CAP |
| 131 | x | 2123335.132 | 6021041.907 | 95.71 | CP/REBAR & CAP |
| 132 | x | 2122683.716 | 6021226.187 | 139.68 | CP/MAG |
| 133 | x | 2122525.743 | 6021590.923 | 163.35 | CP/SCRIBE |
| 134 | x | 2122576.346 | 6021399.727 | 152.60 | CP/MAG |
| 135 | x | 2122498.760 | 6021739.386 | 171.90 | CP/MAG |
| 136 | x | 2122510.737 | 6021687.376 | 169.12 | CP/SURVEY MARK |
| 137 | x | 2122399.641 | 6021964.096 | 187.80 | CP/MAG |
| 138 | x | 2122360.626 | 6022051.909 | 195.12 | CP/SCRIBE |
| 139 | x | 2122459.119 | 6022465.980 | 222.97 | CP/1" IP/CALTRANS PLUG |
| 300 | x | 2124107.935 | 6021198.593 | 54.82 | FM/USCGS 3.5" BD/SOFT 1954 |
| 301 | x | 2123117.631 | 6020824.269 | 90.05 | FM/GOAT/3.5" USCGS DISK/CONC POST |
| 302 | x | 2122721.860 | 6022637.709 | 339.75 | FM/GRANITE/2.75 DISK/WELL |
| 500 | x | 2122477.497 | 6021807.389 | 166.61 | WP/STRUCT 6 |
| 501 | x | 2122484.170 | 6021795.845 | 166.38 | WP/STRUCT 6 |
| 502 | x | 2122494.804 | 6021768.688 | 164.63 | WP/STRUCT 6 |
| 503 | x | 2122503.711 | 6021752.986 | 165.00 | WP/STRUCT 6 |
| 504 | x | 2122512.902 | 6021735.231 | 165.00 | WP/STRUCT 6 |
| 505 | x | 2122518.831 | 6021721.971 | 164.53 | WP/STRUCT 6 |
| 506 | x | 2122520.450 | 6021707.940 | 162.48 | WP/STRUCT 6 |
| 1500 | x | 2122906.290 | 6021059.192 | 122.13 | AT |
| 1501 | x | 2122428.074 | 6021763.407 | 175.66 | AT |
| 1504 | x | 2122748.203 | 6022585.713 | 341.17 | AT |
| 1509 | x | 2123149.406 | 6021842.191 | 280.46 | AT |



NOTES:

- FOR COMPLETE PROJECT CONTROL DATA, SEE THE SURVEY RECORDS ON FILE IN THE SURVEYS DEPARTMENT AT THE DISTRICT OFFICE.
- THE BEARINGS AND COORDINATES SHOWN HEREON ARE IN TERMS OF THE NORTH AMERICAN DATUM OF 1983 (NAD83), EPOCH 1991.35, CALIFORNIA COORDINATE SYSTEM ZONE 3, BASED LOCALLY UPON GPS TIES TO THE FOLLOWING STATIONS:
GPS CP 10 (PID AA3807) N 2,153,081.148 E 6,104,329.269
GPS CP 14 (PID AA3808) N 2,199,814.247 E 6,089,519.220
P3716+33 (PID AA3823) N 2,197,824.820 E 6,146,409.909
EXPRESSED IN US SURVEY FEET.
- THE ELEVATIONS SHOWN HEREON ARE IN TERMS OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), BASED LOCALLY UPON GPS TIES TO THE FOLLOWING STATIONS:
GPS CP 10 (PID AA3807) ELEVATION 382.8
GPS CP 14 (PID AA3808) ELEVATION 8.6
P3716+33 (PID AA3823) ELEVATION 102.4
BRIB (CORS)* ELEVATION 970.47
P248 (CGPS)* ELEVATION 860.73
P262 (CGPS)* ELEVATION 78.89
EXPRESSED IN US SURVEY FEET.
* ELEVATIONS DERIVED FROM ELLIPSOID HEIGHT VALUES AS PUBLISHED BY THE CALIFORNIA SPACIAL REFERENCE CENTER AND APPLYING GEOID12A CORRECTIONS.
- IN THE EVENT GPS MACHINE CONTROL/GUIDANCE IS USED FOR THIS PROJECT, THE CONTRACTOR SHALL CONTACT AND MEET WITH THE SURVEYS DEPARTMENT AT THE DISTRICT OFFICE TO OBTAIN THE CONTROL NECESSARY TO ESTABLISH A PROJECT CALIBRATION COMPATIBLE FOR ALL USERS.

ABBREVIATIONS:
 PID NATIONAL GEODETIC SURVEY PERMANENT IDENTIFIER
 CORS CONTINUOUSLY OPERATING REFERENCE STATION
 CGPS CONTINUOUS GLOBAL POSITIONING SYSTEM

LEGEND:
 2ND ORDER STATION
 3RD ORDER STATION

PROJECT CONTROL
 SCALE: 1" = 100'

| | | |
|---------|------|-------------|
| REVISOR | DATE | DESCRIPTION |
| | | |
| | | |
| | | |

DESIGNED BY:
S. DWYER
 DRAWN BY:
S. DWYER
 CHECKED BY:
D. DICKINSON
 APPROVED BY:
D. DICKINSON



REGISTERED CIVIL ENGINEER
 PLANS SUBMITTAL DATE
 PLANS APPROVAL DATE

WMH
 1111 BROADWAY, SUITE 300
 OAKLAND, CA 94607
 (510) 698-6300 (PHONE)
 (510) 444-2450 (FAX)
 www.wmhcorporation.com



| | | |
|--------------------------------|-----------------------------|--------------|
| USERNAME => sdwyer | | |
| CADD FILENAME => YBISdc001.dgn | | |
| CONTRACT NO. | | |
| SHEET NAME | SHEET NO. | TOTAL SHEETS |
| DC-1 | 15 | |
| LAST REVISION | DATE PLOTTED => 11/17/2019 | |
| 11-15-19 | TIME PLOTTED => 10:33:41 PM | |

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NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY.
- SEE PROJECT CONTROL SHEET FOR THE BASIS OF THE HORIZONTAL CONTROLS.
- ALL SURVEY MONUMENT LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
- ALL CURB LOCATIONS ARE CALLED AT THE FLOWLINE OF CURB.
- SEE CONSTRUCTION DETAIL SHEETS FOR ADDITIONAL LAYOUT INFORMATION AND DETAILS NOT SHOWN.
- SEE STRUCTURE PLANS FOR BRIDGE 1 RETROFIT, BRIDGE 1 COLUMN RELOCATION, RETAINING WALLS, AND TREASURE ISLAND ROAD UNDERCROSSING.

RECOMMENDED DESIGN CRITERIA:

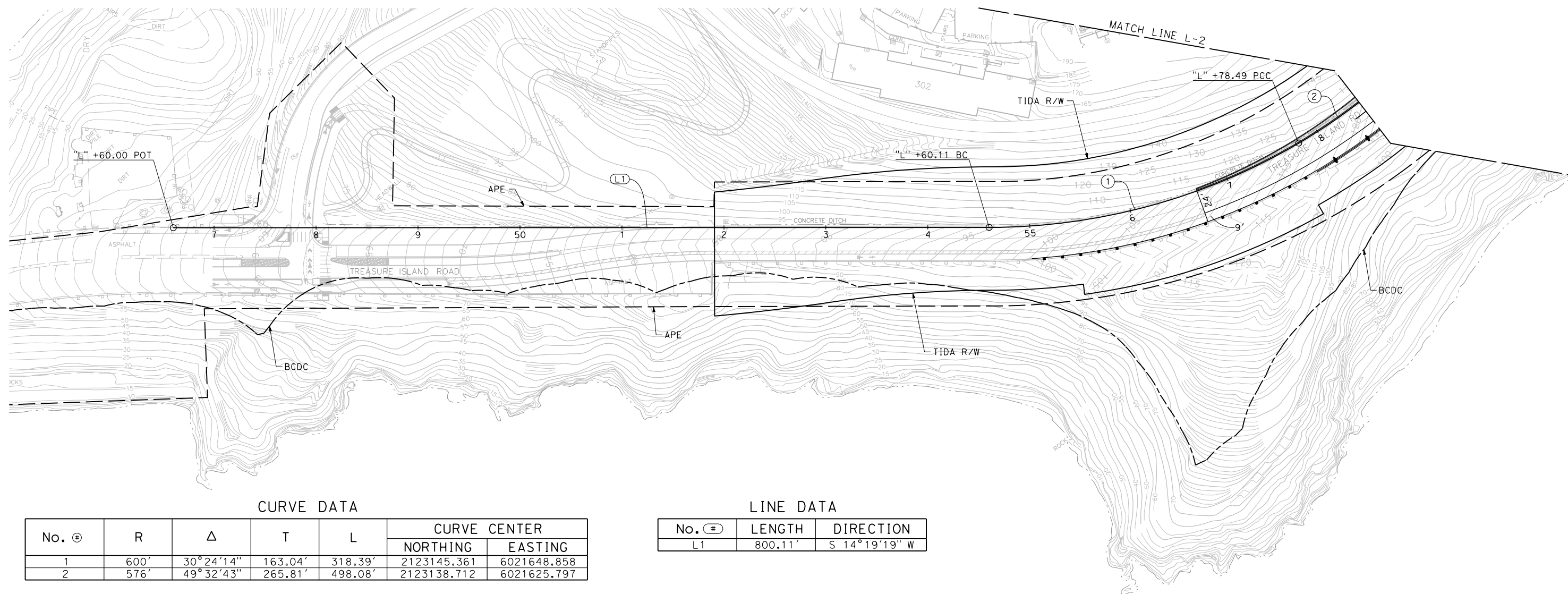
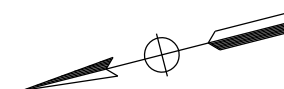
- MIX OF AASHTO URBAN ARTERIAL AND RURAL ARTERIAL STDS
- DESIGN SPEED: 30 MPH
- POSTED SPEED: 25 MPH
- MAXIMUM GRADE: 9%
- MAXIMUM SUPERELEVATION (E_{max}): 4%
- SUPERELEVATION RUNOFF LENGTH: 73' (4%), 36' (2%)
- RUNOFF LOCATION PRIOR TO CURVES: 80% (50% TO 90% ACCEPTABLE)

LEGEND:

- (#) CURVE DATA
- (L#) LINE DATA

ABBREVIATIONS:

- UC UNDERCROSSING
- Str STRUCTURE
- T.I. TREASURE ISLAND
- Br BRIDGE
- MVP MAINTENANCE VEHICLE PULLOUT
- CRB CONCRETE RETAINING BARRIER







CURVE DATA

| No. (#) | R | Δ | T | L | CURVE CENTER | |
|---------|------|-------------|---------|---------|--------------|-------------|
| | | | | | NORTHING | EASTING |
| 1 | 600' | 30° 24' 14" | 163.04' | 318.39' | 2123145.361 | 6021648.858 |
| 2 | 576' | 49° 32' 43" | 265.81' | 498.08' | 2123138.712 | 6021625.797 |

LINE DATA

| No. (#) | LENGTH | DIRECTION |
|---------|---------|-----------------|
| L1 | 800.11' | S 14° 19' 19" W |

LAYOUT
SCALE: 1" = 50'

| | | | | | | | | | | | | | | |
|--|--|--|--|--|--|---|---|---|------------|-----------|--------------|------------|-----------|--|
| REVISED BY DATE REVISED | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: S. DWYER DRAWN BY: S. DWYER CHECKED BY: D. DICKINSON APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE PLANS APPROVAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer CADD FILENAME => YB1Sea001.dgn CONTRACT NO. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%;">SHEET NAME</td> <td style="width:33%;">SHEET NO.</td> <td style="width:33%;">TOTAL SHEETS</td> </tr> <tr> <td style="text-align: center;">L-1</td> <td style="text-align: center;">16</td> <td></td> </tr> </table> LAST REVISION 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:33:44 PM | SHEET NAME | SHEET NO. | TOTAL SHEETS | L-1 | 16 | |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | |
| L-1 | 16 | | | | | | | | | | | | | |

BORDER LAST REVISED 11/15/2019



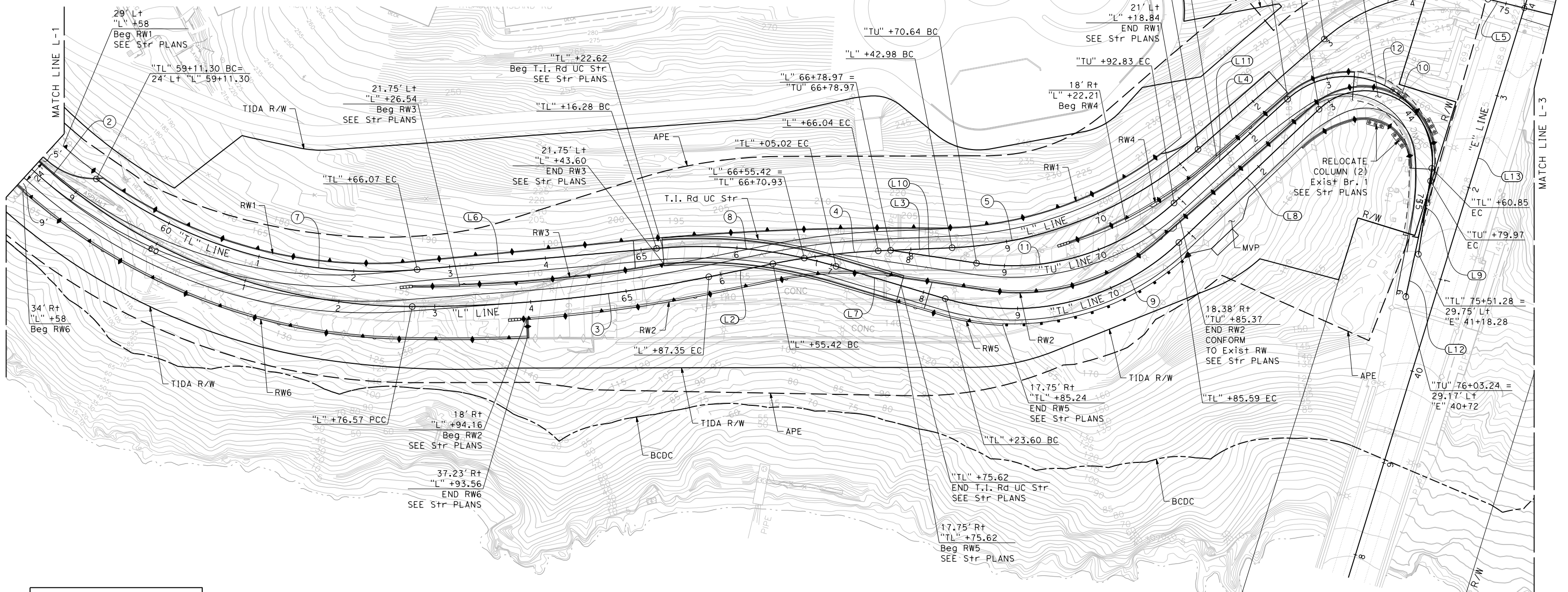
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CURVE DATA

| No. ① | R | Δ | T | L | CURVE CENTER | |
|-------|----------|------------|---------|---------|--------------|-------------|
| | | | | | NORTHING | EASTING |
| 2 | 576.00' | 49°32'43" | 265.81' | 498.08' | 2123138.712 | 6021625.797 |
| 3 | 1544.00' | 11°31'57" | 155.91' | 310.78' | 2124020.442 | 6022025.267 |
| 4 | 700.00' | 9°03'16" | 55.43' | 110.51' | 2121817.432 | 6021592.932 |
| 5 | 416.00' | 38°42'00" | 146.09' | 280.98' | 2122824.242 | 6022080.487 |
| 6 | 190.00' | 54°56'45" | 98.79' | 182.21' | 2122294.604 | 6022422.846 |
| 7 | 488.00' | 41°39'12" | 185.63' | 354.77' | 2123107.627 | 6021569.854 |
| 8 | 502.00' | 21°32'42" | 95.51' | 188.77' | 2122090.556 | 6021478.989 |
| 9 | 250.00' | 60°02'31" | 144.46' | 261.98' | 2122582.001 | 6022060.409 |
| 10 | 70.00' | 142°25'48" | 205.80' | 174.01' | 2122346.036 | 6022355.745 |
| 11 | 250.00' | 50°55'17" | 119.03' | 222.19' | 2122623.148 | 6022077.459 |
| 12 | 90.00' | 144°28'33" | 280.96' | 226.94' | 2122349.624 | 6022335.233 |

LINE DATA

| No. (#) | LENGTH | DIRECTION |
|---------|----------|---------------|
| L2 | 68.07' | S 77°09'34" E |
| L3 | 76.94' | S 68°06'18" E |
| L4 | 174.61' | N 73°11'42" E |
| L5 | 111.92' | S 51°51'33" E |
| L6 | 250.18' | S 70°42'46" E |
| L7 | 118.59' | S 49°10'04" E |
| L8 | 201.25' | N 70°47'25" E |
| L9 | 90.43' | S 33°13'13" W |
| L10 | 90.33' | S 57°09'08" E |
| L11 | 160.20' | N 71°55'35" E |
| L12 | 123.27' | S 36°24'08" W |
| L13 | 3810.21' | N 41°31'00" E |



FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

LAYOUT
SCALE: 1" = 50'

| | | | | | | | | | | | | |
|---|--------------|---|-----------------------|-----------------------------|------------------------------|----------------------------|---------------------------|---|--|--------------|--|--------------------------------|
| REVISED BY | DATE REVISED | DESIGNED BY: S. DWYER | DRAWN BY: S. DWYER | CHECKED BY: D. DICKINSON | APPROVED BY: D. DICKINSON | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | | | | USERNAME => sdwyer |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | PLANS APPROVAL DATE | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | | | CADD FILENAME => YBISea002.dgn |
| PROJECT DESCRIPTION | | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | SHEET NAME: L-2 | | SHEET NO.: 17 | | TOTAL SHEETS | | CONTRACT NO. | | LAST REVISION: 11-13-19 |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | | 0 1 2 3 | | DATE PLOTTED => 11/17/2019 | | TIME PLOTTED => 10:33:46 PM | | | | |



CURVE DATA






| No. Ⓜ | R | Δ | T | L | CURVE CENTER | |
|-------|------|-----------|---------|---------|--------------|-------------|
| | | | | | NORTHING | EASTING |
| 13 | 304' | 26°53'20" | 72.67' | 142.67' | 2122614.011 | 6022815.964 |
| 14 | 204' | 63°26'25" | 126.09' | 225.88' | 2122448.138 | 6023137.218 |
| 15 | 304' | 29°02'12" | 78.72' | 154.06' | 2122509.445 | 6023058.216 |

LINE DATA

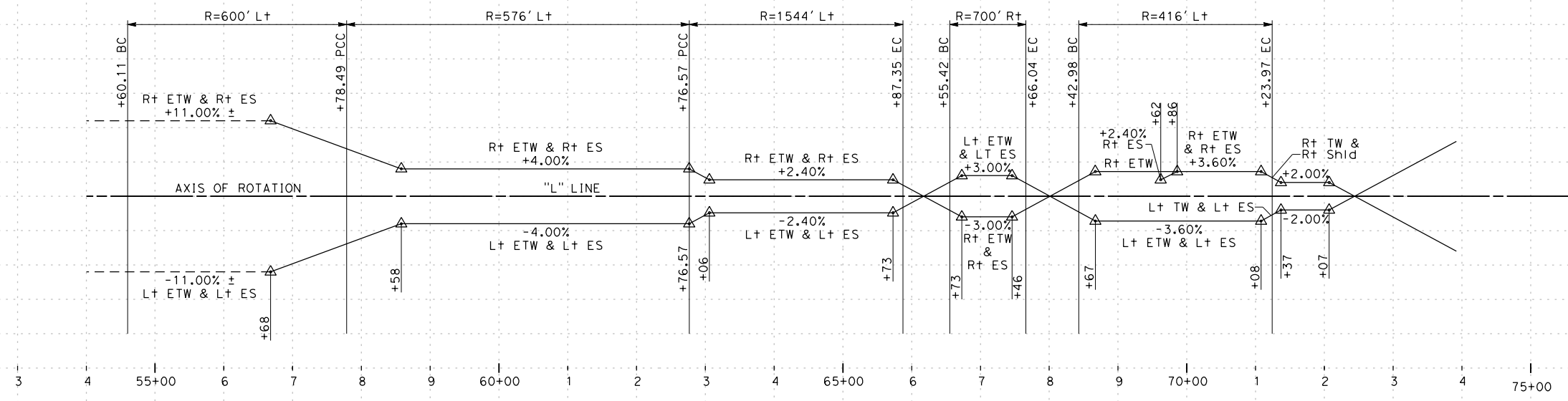
| No. Ⓜ | LENGTH | DIRECTION |
|-------|---------|---------------|
| L14 | 347.45' | S 78°44'53" E |
| L15 | 127.32' | N 8°46'30" E |

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

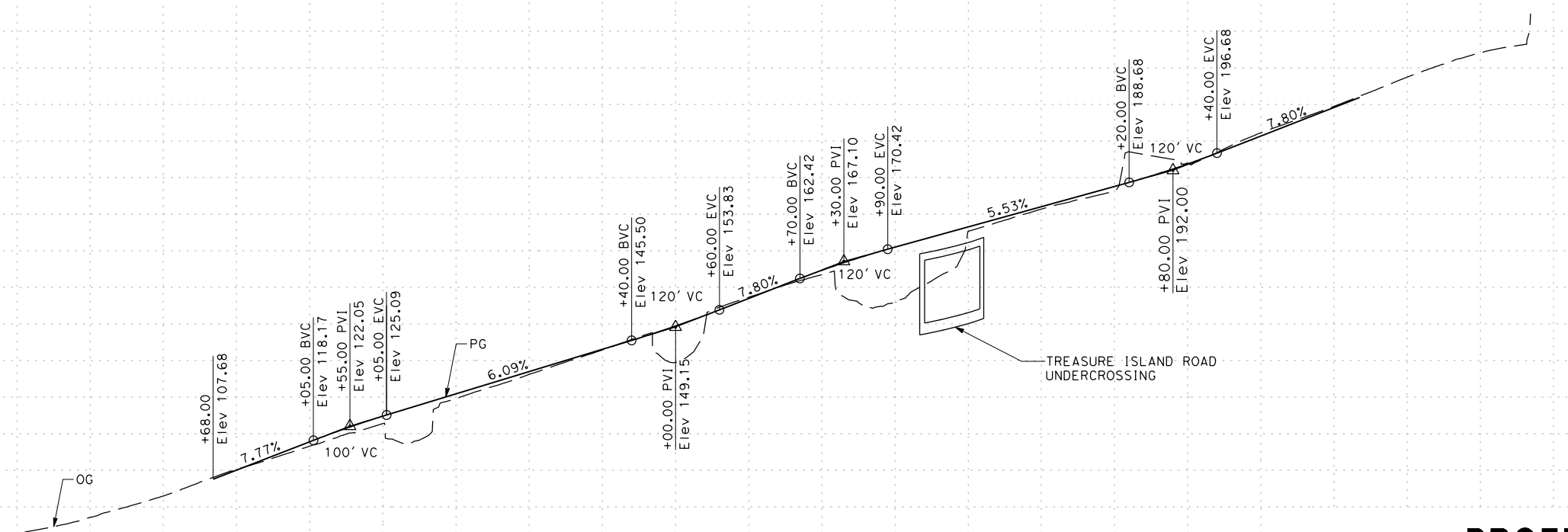
LAYOUT
SCALE: 1" = 50'

| | | | | | | | | | | |
|---|--------------|--|--|------------------------------------|---|--|---|---|---|------------|
| REVISED BY | DATE REVISED | DESIGNED BY: S. DWYER DRAWN BY: S. DWYER CHECKED BY: D. DICKINSON APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | PLANS APPROVAL DATE | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | CADD FILENAME => YB1Sea003.dgn | |
| PROJECT DESCRIPTION | | | | | | | | | CONTRACT NO. | |
| BORDER LAST REVISED 11/15/2019 | | | | RELATIVE BORDER SCALE IS IN INCHES |  | | | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>L-3</td> <td>18</td> <td></td> </tr> </table> | SHEET NAME |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | |
| L-3 | 18 | | | | | | | | | |

X:\YB1_STRUCTURE\000_CAD_Sheets\EA-LAYOUT\YB1Sea003.dgn



SUPERELEVATION DIAGRAM



TREASURE ISLAND ROAD
"L" LINE

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 100'
Vert 1" = 20'

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|-----|---|-------|---|---|---|---|-------|---|---|---|---|-------|---|---|---|---|-------|---|---|---|---|-------|-------|
| STATION | 3 | 4 | 55+00 | 6 | 7 | 8 | 9 | 60+00 | 1 | 2 | 3 | 4 | 65+00 | 6 | 7 | 8 | 9 | 70+00 | 1 | 2 | 3 | 4 | 75+00 | TOTAL |
| CY | Exc | | | | | | | | | | | | | | | | | | | | | | | |
| | Emb | | | | | | | | | | | | | | | | | | | | | | | |

| | | |
|--|------|-------------|
| REVISOR | DATE | DESCRIPTION |
| | | |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | | |

DESIGNED BY:
S. DWYER

DRAWN BY:
D. GALVEZ

CHECKED BY:
D. DICKINSON

APPROVED BY:
D. DICKINSON

REGISTERED CIVIL ENGINEER

PLANS SUBMITTAL DATE

PLANS APPROVAL DATE

WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

1111 BROADWAY, SUITE 300
OAKLAND, CA 94607
(510) 698-6300 (PHONE)
(510) 444-2450 (FAX)
www.wmhcorporation.com

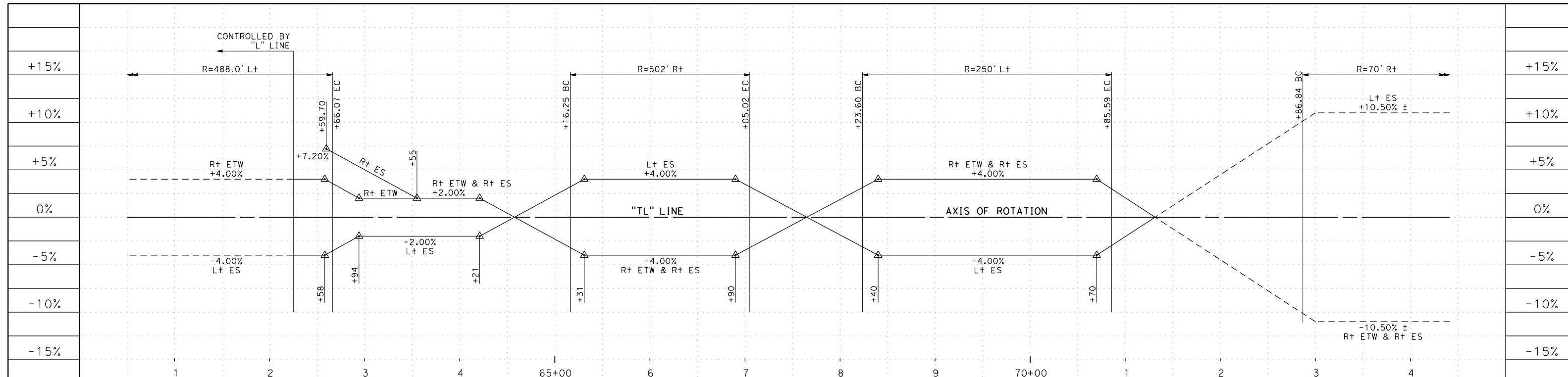


| | | |
|-------------------------------|-----------|--------------|
| USERNAME => sdwyer | | |
| CADD FILENAME => YBISf001.dgn | | |
| CONTRACT NO. | | |
| SHEET NAME | SHEET NO. | TOTAL SHEETS |
| PS-1 | 19 | |

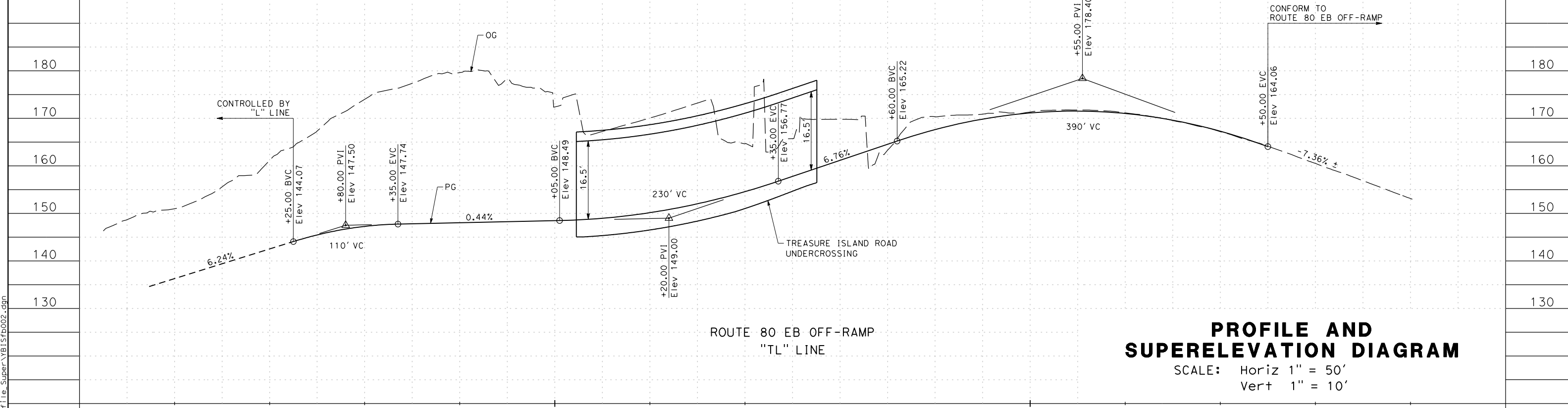
BORDER LAST REVISED 11/15/2019



LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:33:50 PM



SUPERELEVATION DIAGRAM



PROFILE AND SUPERELEVATION DIAGRAM

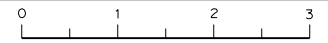
SCALE: Horiz 1" = 50'
Vert 1" = 10'

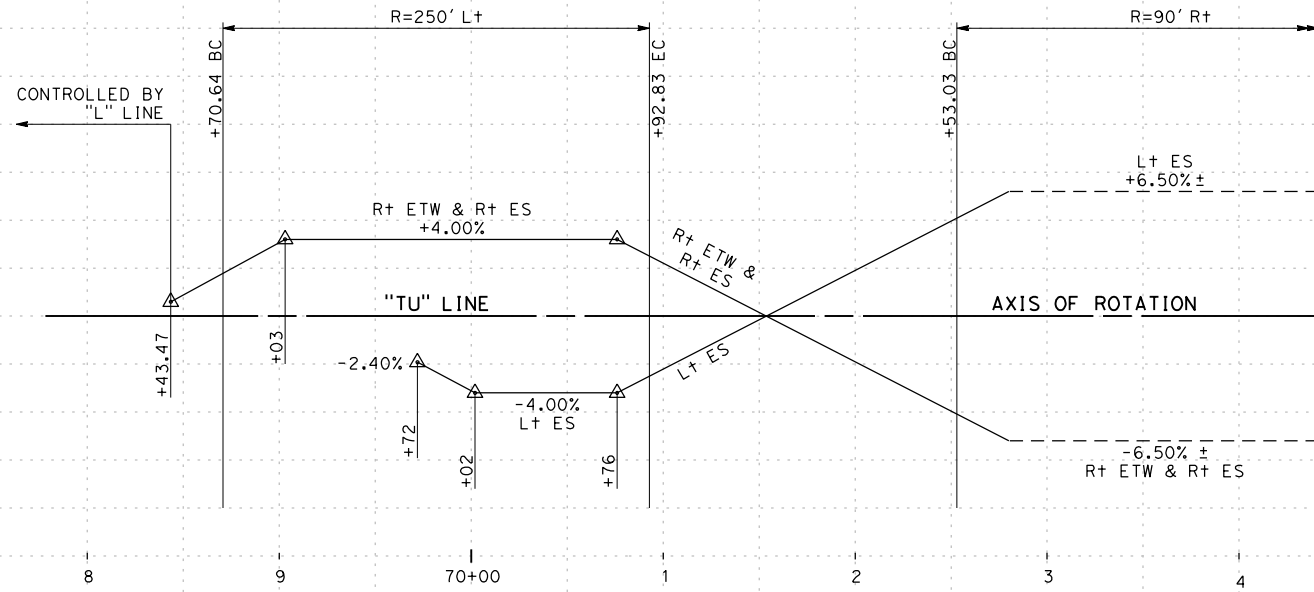
| | | | | | | | | | | | | | | | |
|---------|-----|---|---|---|-------|---|---|---|---|-------|---|---|---|---|-------|
| STATION | 1 | 2 | 3 | 4 | 65+00 | 6 | 7 | 8 | 9 | 70+00 | 1 | 2 | 3 | 4 | TOTAL |
| CY | Exc | | | | | | | | | | | | | | |
| | Emb | | | | | | | | | | | | | | |

| | | | | | | |
|---|--|--|--|--|--|---|
| DESIGNED BY: S. DWYER DRAWN BY: D. GALVEZ CHECKED BY: D. DICKINSON APPROVED BY: D. DICKINSON | | REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE _____ PLANS APPROVAL DATE _____ | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer CADD FILENAME => YBISf002.dgn CONTRACT NO. SHEET NAME PS-2 SHEET NO. 20 TOTAL SHEETS LAST REVISION 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:33:51 PM |
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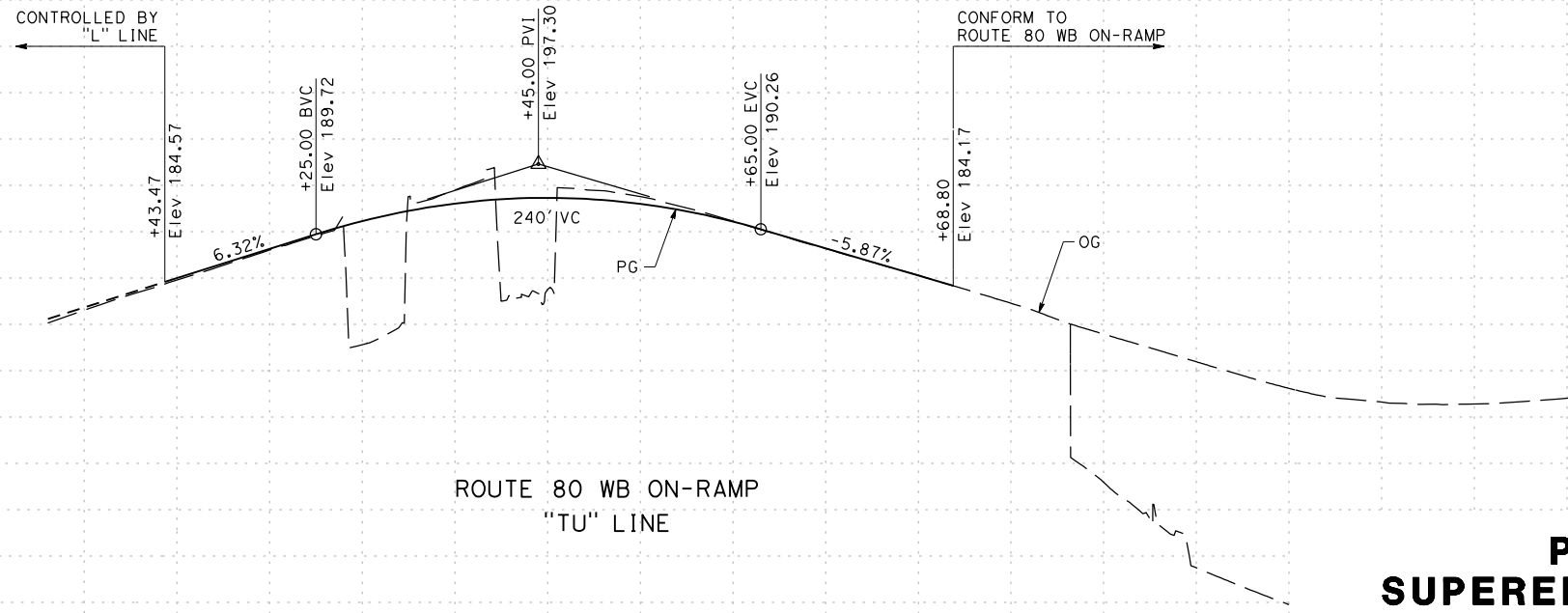
BORDER LAST REVISED 11/15/2019

RELATIVE BORDER SCALE IS IN INCHES





SUPERELEVATION DIAGRAM



**ROUTE 80 WB ON-RAMP
"TU" LINE**

PROFILE AND SUPERELEVATION DIAGRAM

SCALE: Horiz 1" = 50'
Vert 1" = 10'

| | | | | | | | | | |
|---------|-----|---|---|-------|---|---|---|---|-------|
| STATION | 7 | 8 | 9 | 70+00 | 1 | 2 | 3 | 4 | TOTAL |
| CY | Exc | | | | | | | | |
| | Emb | | | | | | | | |

REVISOR: [] DATE REVISED: []
YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT
 PROJECT DESCRIPTION

DESIGNED BY: S. DWYER
 DRAWN BY: D. GALVEZ
 CHECKED BY: D. DICKINSON
 APPROVED BY: D. DICKINSON



REGISTERED CIVIL ENGINEER
 PLANS SUBMITTAL DATE
 PLANS APPROVAL DATE
WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

WMH
 1111 BROADWAY, SUITE 300
 OAKLAND, CA 94607
 (510) 698-6300 (PHONE)
 (510) 444-2450 (FAX)
 www.wmhcorporation.com



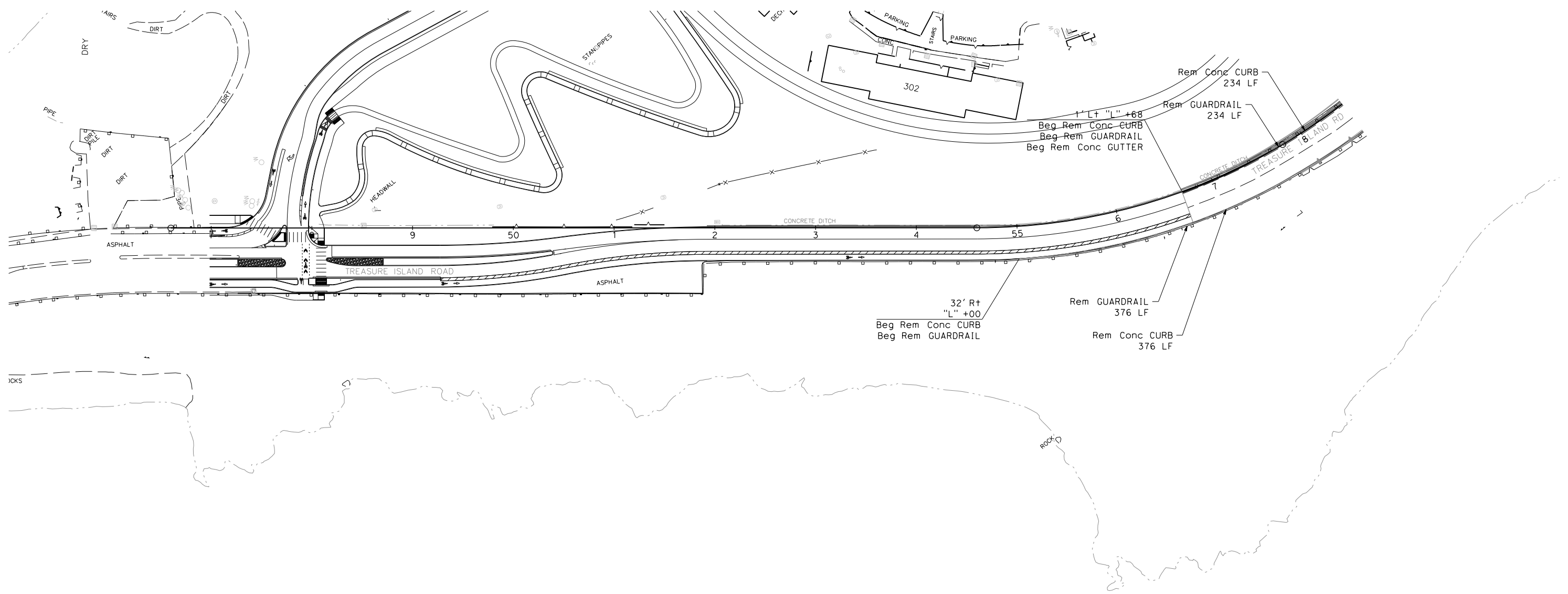
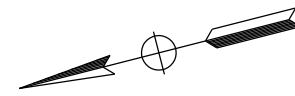
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| USERNAME => sdwyer | | |
| CADD FILENAME => YBISfb003.dgn | | |
| CONTRACT NO. | | |
| SHEET NAME | SHEET NO. | TOTAL SHEETS |
| PS-3 | 21 | |
| LAST REVISION | DATE PLOTTED => 11/17/2019 | |
| 11-15-19 | TIME PLOTTED => 10:33:53 PM | |

BORDER LAST REVISED 11/15/2019



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ABBREVIATIONS
 C&G CURB AND GUTTER
 Rem REMOVE
 RW RETAINING WALL

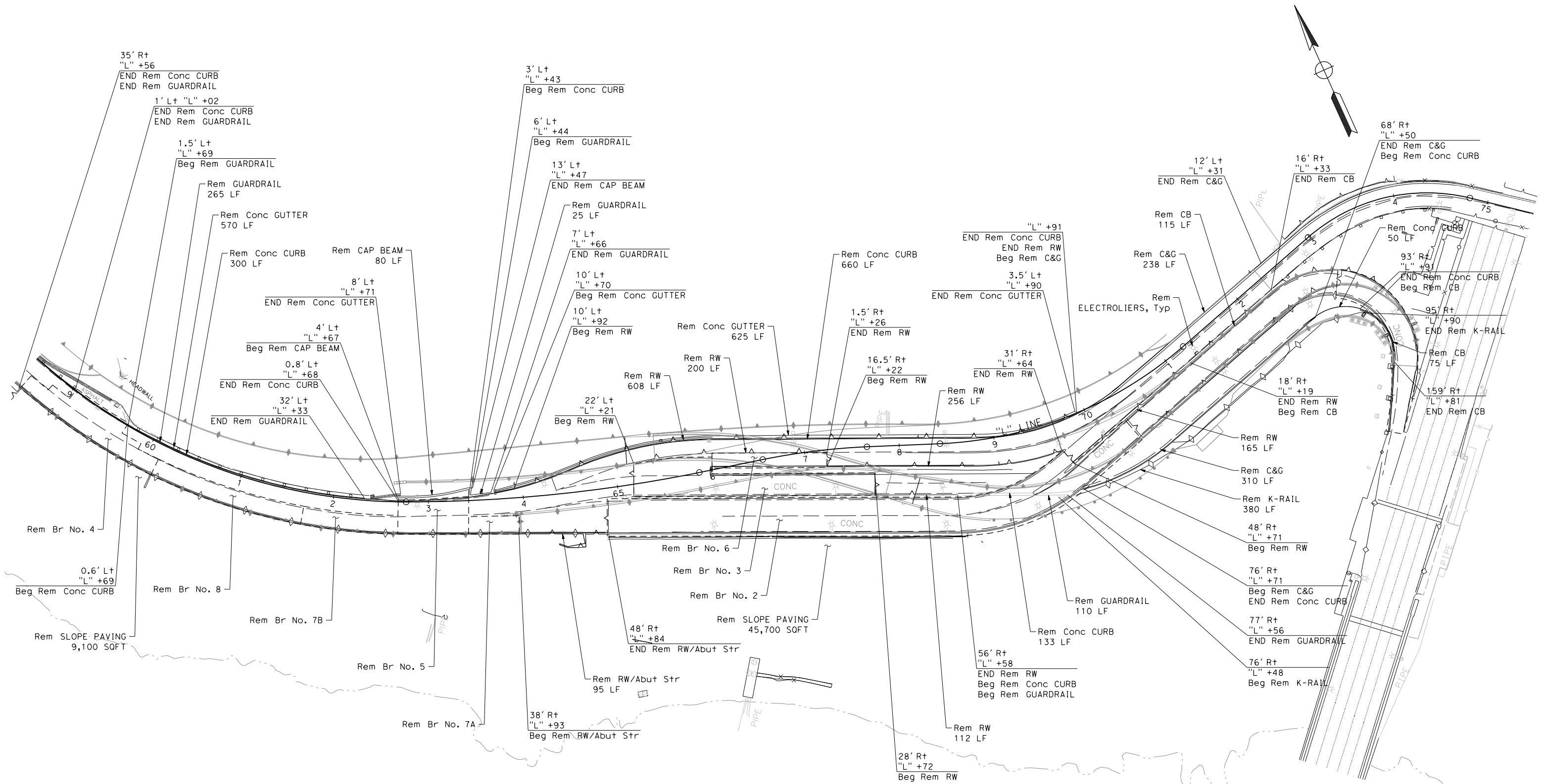


APPROVED FOR REMOVAL WORK ONLY

REMOVAL PLAN
 SCALE: 1" = 50'

| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: J. YAU | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer | |
|--------------------------------|-----------------------------|--|------------------------------------|--|---|---|--|----------|-----------------------------|---|------------|
| | | | DRAWN BY: J. YAU | | | | | | | CADD FILENAME => YBISfc001.dgn | |
| | | | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. | |
| | | | APPROVED BY: D. DICKINSON | | PLANS APPROVAL DATE | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | <table border="1"> <tr> <th>SHEET NAME</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> <tr> <td>R-1</td> <td>22</td> <td></td> </tr> </table> | SHEET NAME |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | |
| R-1 | 22 | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES | | <table border="1"> <tr> <td>LAST REVISION</td> <td>DATE PLOTTED => 11/17/2019</td> </tr> <tr> <td>11-15-19</td> <td>TIME PLOTTED => 10:33:55 PM</td> </tr> </table> | LAST REVISION | DATE PLOTTED => 11/17/2019 | 11-15-19 | TIME PLOTTED => 10:33:55 PM | | |
| LAST REVISION | DATE PLOTTED => 11/17/2019 | | | | | | | | | | |
| 11-15-19 | TIME PLOTTED => 10:33:55 PM | | | | | | | | | | |

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FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET R-1

APPROVED FOR REMOVAL WORK ONLY

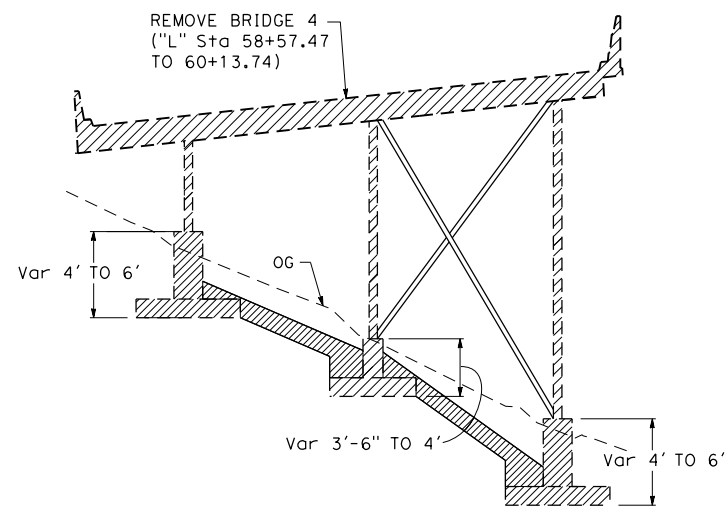
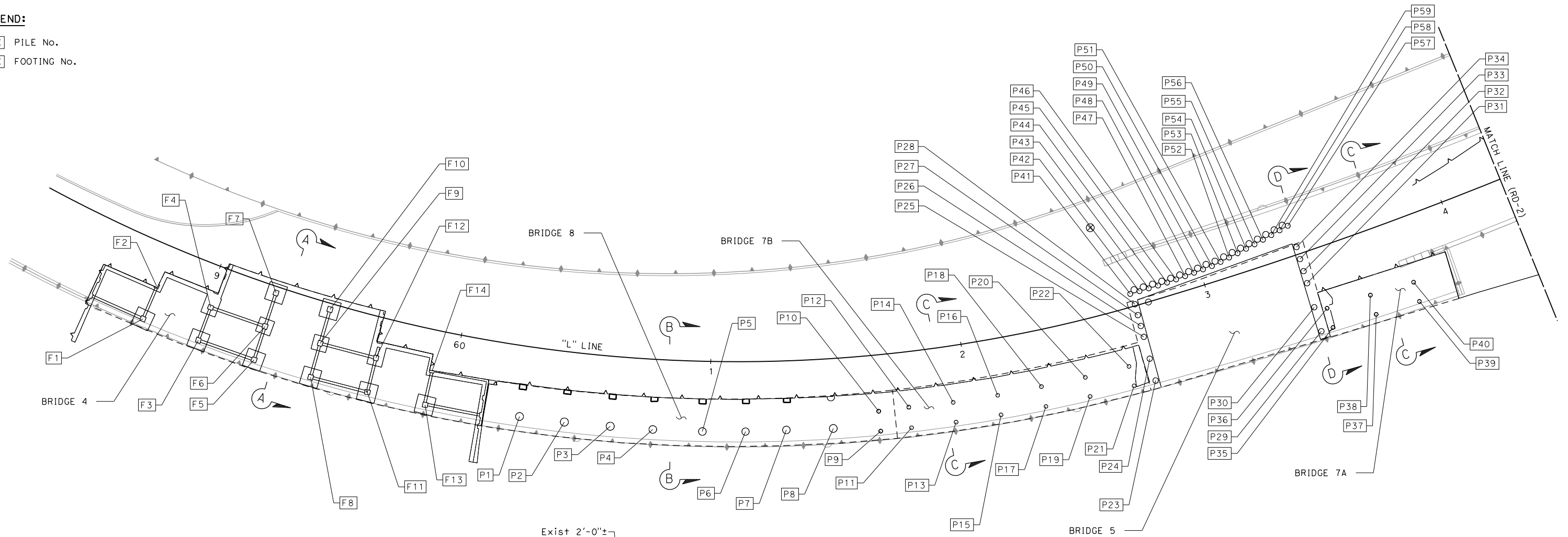
REMOVAL PLAN
SCALE: 1" = 50'

| | | | | | | | | |
|--------------------------------|------|---|--|---|--|--|--|--------------------------------|
| REVISOR | DATE | DESIGNED BY: J. YAU | | REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE | | | | USERNAME => sdwyer |
| | | DRAWN BY: J. YAU | | | | | | CADD FILENAME => YB1Sfc002.dgn |
| | | CHECKED BY: S. DWYER | | | | | | CONTRACT NO. |
| | | APPROVED BY: D. DICKINSON | | | | | | |
| PROJECT DESCRIPTION | | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | SHEET NAME: R-2 SHEET NO.: 23 TOTAL SHEETS: | | |
| BORDER LAST REVISED 11/15/2019 | | PLANS APPROVAL DATE | | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:33:57 PM | | |

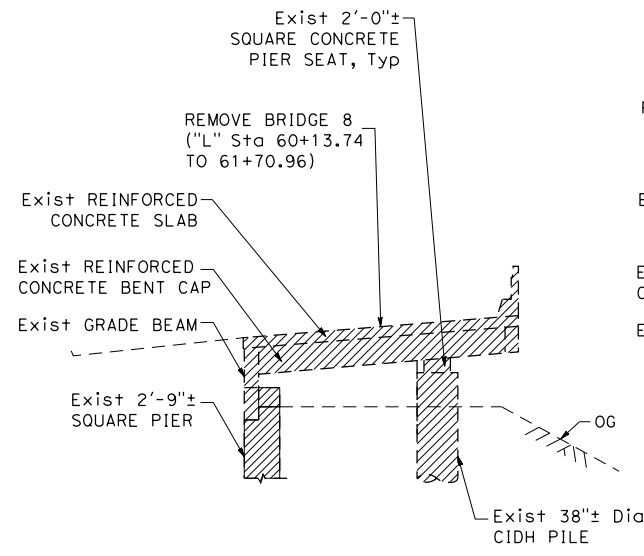
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LEGEND:

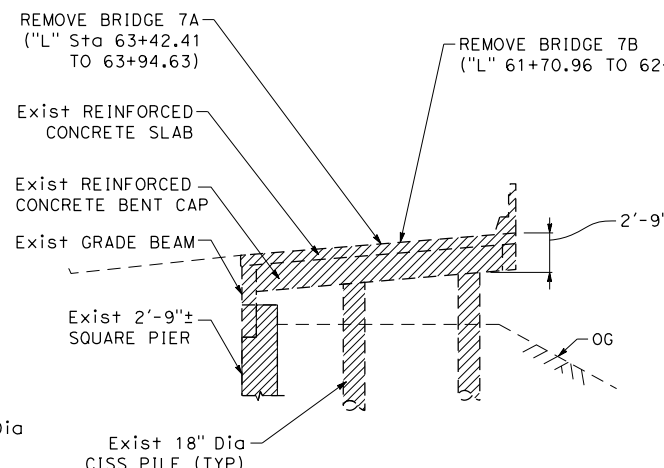
- PXX PILE No.
- FXX FOOTING No.



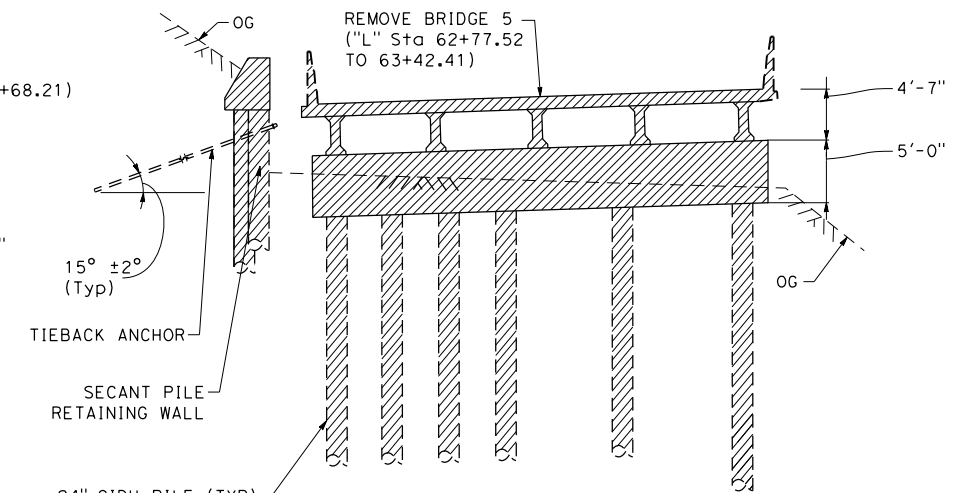
SECTION A-A



SECTION B-B



SECTION C-C








SECTION D-D

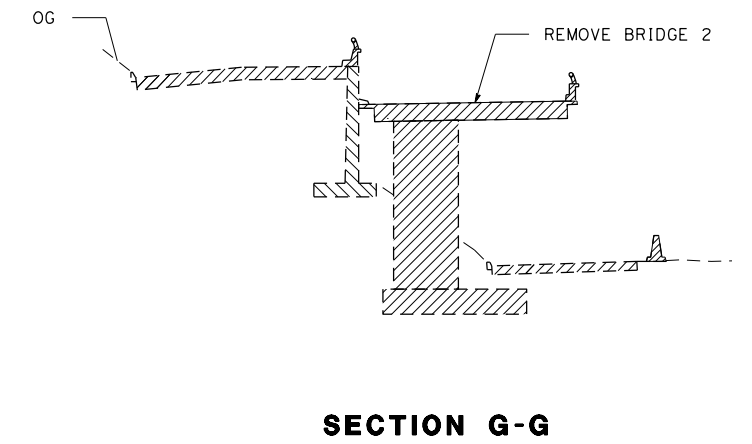
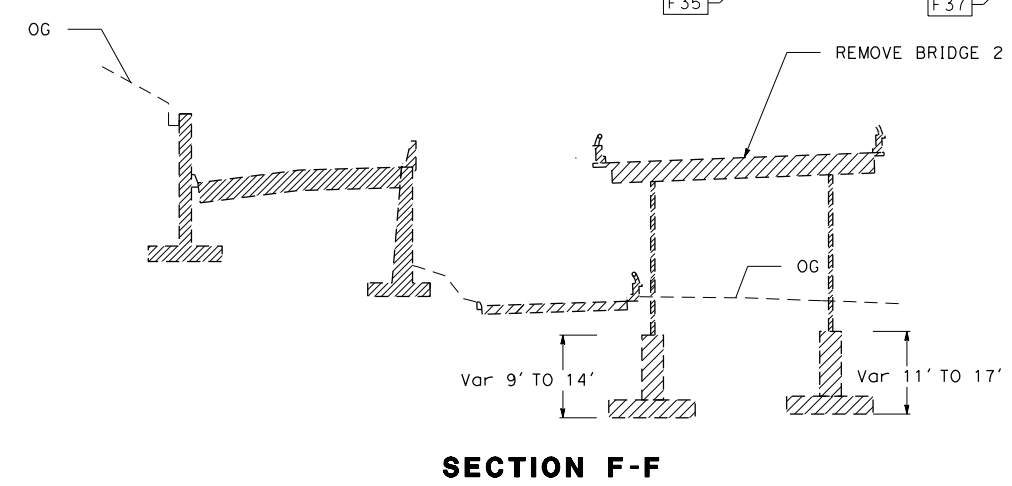
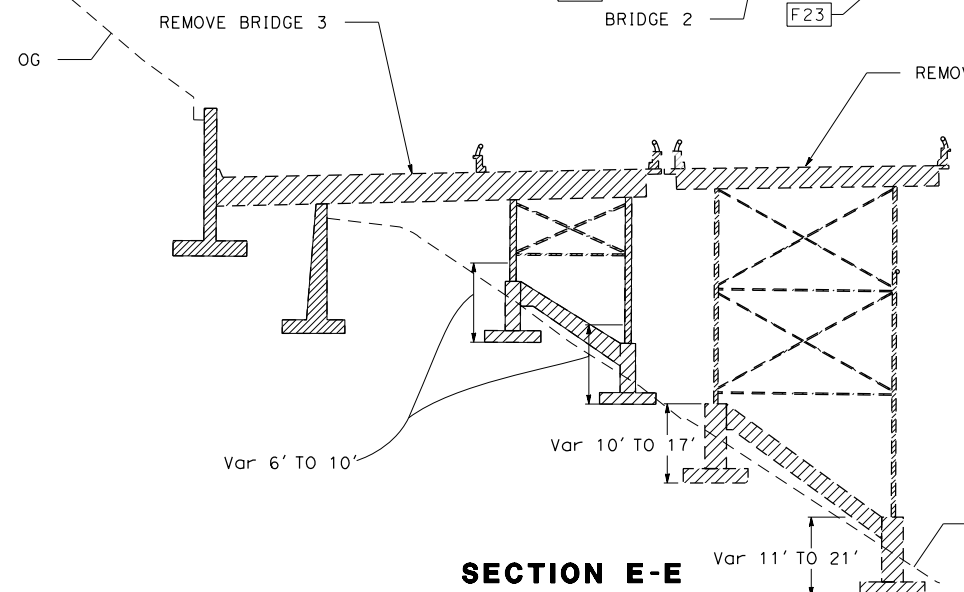
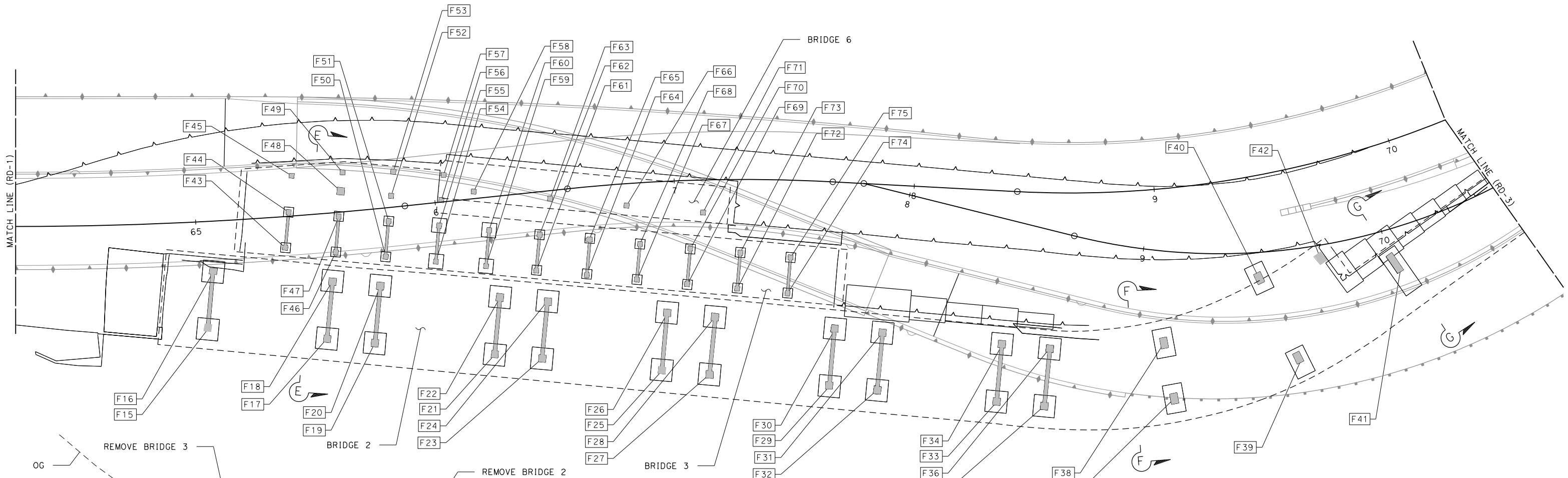
REMOVAL DETAILS

SCALE: 1" = 20'

APPROVED FOR REMOVAL WORK ONLY

| | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|---|---|--|------------|-----------|--------------|-------------|-----------|--|---------------|----------------------------|----------|-----------------------------|
| REVISED BY DATE REVISED | DESIGNED BY: J. YAU DRAWN BY: J. YAU CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE PLANS APPROVAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer CADD FILENAME => YBISfd001.dgn CONTRACT NO. <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">SHEET NAME</td> <td style="width: 33%;">SHEET NO.</td> <td style="width: 33%;">TOTAL SHEETS</td> </tr> <tr> <td>RD-1</td> <td>24</td> <td></td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">LAST REVISION</td> <td style="width: 50%;">DATE PLOTTED => 11/17/2019</td> </tr> <tr> <td>11-15-19</td> <td>TIME PLOTTED => 10:34:00 PM</td> </tr> </table> | SHEET NAME | SHEET NO. | TOTAL SHEETS | RD-1 | 24 | | LAST REVISION | DATE PLOTTED => 11/17/2019 | 11-15-19 | TIME PLOTTED => 10:34:00 PM |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | | | | |
| RD-1 | 24 | | | | | | | | | | | | | | | | |
| LAST REVISION | DATE PLOTTED => 11/17/2019 | | | | | | | | | | | | | | | | |
| 11-15-19 | TIME PLOTTED => 10:34:00 PM | | | | | | | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES  | | | | | | | | | | | | | | | |

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SECTION E-E

SECTION F-F

SECTION G-G

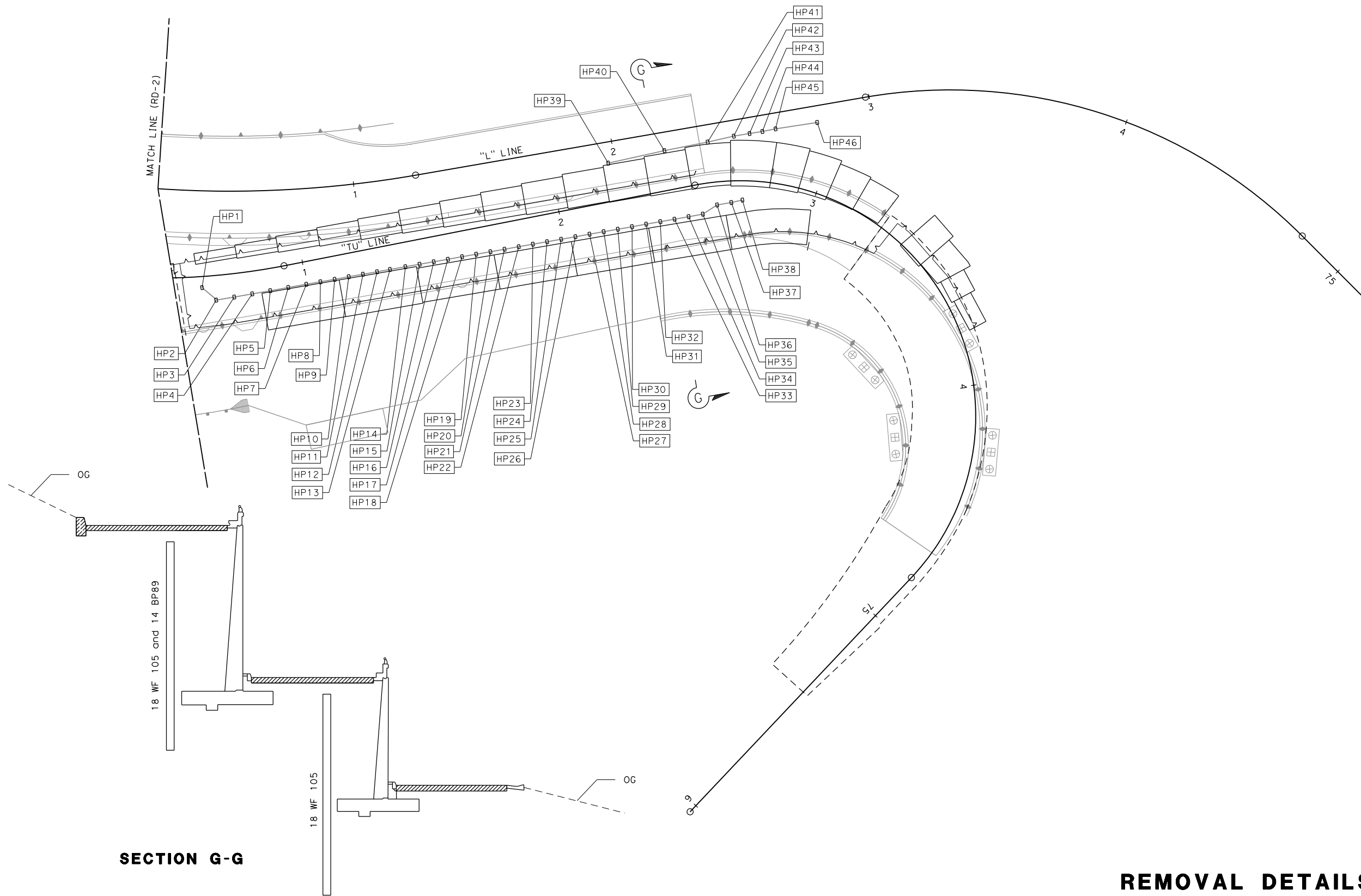
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET RD-1

APPROVED FOR REMOVAL WORK ONLY

REMOVAL DETAILS
SCALE: 1" = 20'

| | | | | | | | | | | | |
|---------|------|--|------------------------------|--|--|---------------------------|---|--|--|---------------------------|---|
| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: J. YAU | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | | USERNAME => sdwyer | |
| | | | DRAWN BY: J. YAU | | PLANS APPROVAL DATE | CONTRACT NO. | | | | | |
| | | | CHECKED BY: S. DWYER | | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | SHEET NAME RD-2 | | | | SHEET NO. 25 | TOTAL SHEETS |
| | | | APPROVED BY: D. DICKINSON | | RELATIVE BORDER SCALE IS IN INCHES | 0 1 2 3 | | | | LAST REVISION 11-15-19 | DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:34:01 PM |

BORDER LAST REVISED 11/15/2019








SECTION G-G

APPROVED FOR REMOVAL WORK ONLY

REMOVAL DETAILS
SCALE: 1" = 20'

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET RD-1

| | | | | | | | | | | | | | |
|--------------------------------|------------------------------|--|---------------------------|---|--|---|---|--|------------|--------------------------------|--------------|-------------|-----------|
| REVISIONS | DESIGNED BY: S. DWYER |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | | | | | |
| | DRAWN BY: S. DWYER | | | | | | | | | CADD FILENAME => YBISfd003.dgn | | | |
| | CHECKED BY: D. DICKINSON | | | | | | | CONTRACT NO. | | | | | |
| | APPROVED BY: D. DICKINSON | | | PLANS APPROVAL DATE | | | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>RD-3</td> <td>26</td> <td></td> </tr> </table> | SHEET NAME | SHEET NO. | TOTAL SHEETS | RD-3 | 26 |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | |
| RD-3 | 26 | | | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | |  | | LAST REVISION 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:34:03 PM | | | | | | | |

X:\YB\STRUCTURES\000_CAD_Sheets\Fc-Removal\RD-Detail\YBISfd003.dgn

NOTES:

- ① REMOVE Conc PILE TO AN ELEVATION THAT IS 10' BELOW OG BENEATH BRIDGE
- ② REMOVE Conc PILE TO AN ELEVATION THAT IS 12' BELOW OG BENEATH BRIDGE
- ③ REMOVE Conc SECANT PILE TO 6' BELOW PROPOSED ROADWAY FG
- ④ REMOVE Conc FOOTING TO AN ELEVATION THAT HAS A 3' MINIMUM CLEARANCE FROM FINISHED GRADE
- ⑤ REMOVE ENTIRE Conc FOOTING






| PILE REMOVAL | | | | | | | |
|--------------|-----------------------|---------------------|---------------------|-------------------|-----------------------|--------------------------|-------------------------------|
| PILE No. | LOCATION/STATION | FG PROPOSED ROADWAY | OG EXISTING ROADWAY | OG BENEATH BRIDGE | TOP OF PILE ELEVATION | DESCRIPTION OF WORK Ⓢ | PILE LENGTH TO BE REMOVED (N) |
| | | | | | | | (LF) |
| P1 | 28.10 R+ "L" 60+27.57 | 133.68 | 134.25 | 127.39 | 130.39 | 1 | 13.00 |
| P2 | 27.99 R+ "L" 60+44.74 | 134.72 | 135.32 | 127.35 | 131.60 | 1 | 14.25 |
| P3 | 27.84 R+ "L" 60+62.22 | 135.78 | 136.52 | 126.52 | 132.77 | 1 | 16.25 |
| P4 | 27.94 R+ "L" 60+78.44 | 136.77 | 137.59 | 128.65 | 133.90 | 1 | 15.25 |
| P5 | 27.97 R+ "L" 60+97.28 | 137.92 | 138.88 | 131.41 | 134.91 | 1 | 13.50 |
| P6 | 27.86 R+ "L" 61+13.68 | 138.92 | 140.03 | 133.15 | 136.15 | 1 | 13.00 |
| P7 | 27.52 R+ "L" 61+29.21 | 139.85 | 141.07 | 134.99 | 137.24 | 1 | 12.25 |
| P8 | 27.82 R+ "L" 61+47.05 | 140.95 | 142.39 | 136.12 | 138.37 | 1 | 12.25 |
| P9 | 30.39 R+ "L" 61+64.89 | 142.14 | 143.93 | 138.37 | 139.87 | 1 | 11.50 |
| P10 | 22.41 R+ "L" 61+64.85 | 141.82 | 143.01 | 138.03 | 139.03 | 1 | 11.00 |
| P11 | 30.32 R+ "L" 61+76.63 | 142.85 | 144.67 | 138.36 | 141.88 | 1 | 13.52 |
| P12 | 22.04 R+ "L" 61+76.48 | 142.51 | 143.73 | 138.48 | 140.92 | 1 | 12.44 |
| P13 | 30.38 R+ "L" 61+93.63 | 143.89 | 145.83 | 139.46 | 143.04 | 1 | 13.58 |
| P14 | 22.42 R+ "L" 61+93.59 | 143.57 | 144.89 | 139.53 | 142.10 | 1 | 12.57 |
| P15 | 30.37 R+ "L" 62+10.84 | 144.94 | 146.97 | 139.42 | 144.18 | 1 | 14.76 |
| P16 | 22.45 R+ "L" 62+10.89 | 144.62 | 146.14 | 140.73 | 143.35 | 1 | 12.62 |
| P17 | 30.43 R+ "L" 62+28.14 | 145.99 | 148.11 | 142.30 | 145.32 | 1 | 13.02 |
| P18 | 22.33 R+ "L" 62+27.98 | 145.66 | 147.22 | 142.14 | 144.43 | 1 | 12.29 |
| P19 | 30.39 R+ "L" 62+45.24 | 147.03 | 149.22 | 143.54 | 146.43 | 1 | 12.89 |
| P20 | 22.53 R+ "L" 62+45.17 | 146.71 | 148.40 | 143.49 | 145.61 | 1 | 12.12 |
| P21 | 30.60 R+ "L" 62+62.38 | 148.12 | 150.36 | 144.46 | 147.57 | 1 | 13.11 |
| P22 | 22.58 R+ "L" 62+62.42 | 147.80 | 149.54 | 144.39 | 146.75 | 1 | 12.36 |
| P23 | 30.83 R+ "L" 62+70.75 | 148.67 | 150.94 | 143.02 | 141.36 | 2 | 10.34 |
| P24 | 21.83 R+ "L" 62+70.87 | 148.32 | 149.93 | 142.82 | 140.35 | 2 | 9.53 |
| P25 | 12.82 R+ "L" 62+71.00 | 147.97 | 149.02 | 142.66 | 139.44 | 2 | 8.78 |
| P26 | 8.32 R+ "L" 62+71.06 | 147.79 | 148.60 | 142.52 | 139.02 | 2 | 8.50 |
| P27 | 3.82 R+ "L" 62+71.13 | 147.61 | 148.17 | 142.48 | 138.59 | 2 | 8.11 |
| P28 | 0.68 L+ "L" 62+71.19 | 147.44 | 147.75 | 142.48 | 138.17 | 2 | 7.69 |
| P29 | 32.02 R+ "L" 63+38.06 | 152.92 | 154.46 | 146.78 | 144.88 | 2 | 10.10 |
| P30 | 22.02 R+ "L" 63+38.46 | 152.71 | 153.97 | 147.40 | 144.39 | 2 | 8.99 |
| P31 | 12.03 R+ "L" 63+38.87 | 152.50 | 154.45 | 148.84 | 144.87 | 2 | 8.03 |
| P32 | 7.04 R+ "L" 63+39.07 | 152.40 | 153.21 | 148.68 | 143.63 | 2 | 6.95 |
| P33 | 2.04 R+ "L" 63+39.28 | 152.29 | 152.99 | 148.52 | 143.41 | 2 | 6.89 |
| P34 | 2.96 L+ "L" 63+39.49 | 152.19 | 152.72 | 147.94 | 143.14 | 2 | 7.20 |
| P35 | 32.07 R+ "L" 63+42.81 | 153.28 | 154.70 | 149.04 | 151.91 | 1 | 12.87 |
| P36 | 24.08 R+ "L" 63+43.10 | 153.11 | 154.32 | 148.73 | 151.53 | 1 | 12.80 |
| P37 | 32.85 R+ "L" 63+60.42 | 154.65 | 155.63 | 150.87 | 152.84 | 1 | 11.97 |
| P38 | 24.85 R+ "L" 63+60.80 | 154.49 | 155.38 | 151.47 | 152.59 | 1 | 11.12 |
| P39 | 33.88 R+ "L" 63+77.99 | 156.05 | 156.52 | 156.55 | 153.73 | 1 | 7.18 |
| P40 | 25.89 R+ "L" 63+78.46 | 155.89 | 156.30 | 156.31 | 153.51 | 1 | 7.20 |

| PILE REMOVAL | | | | | | | |
|--------------|-----------------------|---------------------|---------------------|-------------------|-----------------------|---------------------|-------------------------------|
| PILE No. | LOCATION/STATION | FG PROPOSED ROADWAY | OG EXISTING ROADWAY | OG BENEATH BRIDGE | TOP OF PILE ELEVATION | DESCRIPTION OF WORK | PILE LENGTH TO BE REMOVED (N) |
| | | | | | | | (LF) |
| P41 | 5.12 L+ "L" 62+70.49 | 147.21 | N/A | 151.12 | 146.62 | 3 | 5.41 |
| P42 | 5.15 L+ "L" 62+74.38 | 147.47 | N/A | 151.45 | 146.95 | 3 | 5.48 |
| P43 | 5.17 L+ "L" 62+78.27 | 147.73 | N/A | 151.78 | 147.28 | 3 | 5.55 |
| P44 | 5.21 L+ "L" 62+82.14 | 148.00 | N/A | 152.11 | 147.61 | 3 | 5.61 |
| P45 | 5.27 L+ "L" 62+85.96 | 148.26 | N/A | 152.44 | 147.94 | 3 | 5.68 |
| P46 | 5.44 L+ "L" 62+89.78 | 148.53 | N/A | 152.75 | 148.25 | 3 | 5.72 |
| P47 | 5.64 L+ "L" 62+93.60 | 148.79 | N/A | 153.01 | 148.51 | 3 | 5.72 |
| P48 | 5.86 L+ "L" 62+97.42 | 149.06 | N/A | 153.27 | 148.77 | 3 | 5.71 |
| P49 | 6.10 L+ "L" 63+01.24 | 149.33 | N/A | 153.55 | 149.05 | 3 | 5.72 |
| P50 | 6.28 L+ "L" 63+05.04 | 149.60 | N/A | 153.90 | 149.40 | 3 | 5.80 |
| P51 | 6.84 L+ "L" 63+08.82 | 149.86 | N/A | 154.19 | 149.69 | 3 | 5.83 |
| P52 | 7.42 L+ "L" 63+12.60 | 150.12 | N/A | 154.55 | 150.05 | 3 | 5.93 |
| P53 | 8.03 L+ "L" 63+16.39 | 150.37 | N/A | 154.89 | 150.39 | 3 | 6.02 |
| P54 | 8.65 L+ "L" 63+20.16 | 150.63 | N/A | 155.23 | 150.73 | 3 | 6.10 |
| P55 | 9.31 L+ "L" 63+23.94 | 150.89 | N/A | 155.59 | 151.09 | 3 | 6.20 |
| P56 | 9.99 L+ "L" 63+27.71 | 151.15 | N/A | 155.91 | 151.41 | 3 | 6.26 |
| P57 | 12.10 L+ "L" 63+38.93 | 151.93 | N/A | 156.82 | 152.32 | 3 | 6.39 |
| P58 | 11.41 L+ "L" 63+35.25 | 151.67 | N/A | 156.51 | 152.01 | 3 | 6.34 |
| P59 | 10.69 L+ "L" 63+31.48 | 151.41 | N/A | 156.22 | 151.72 | 3 | 6.31 |
| TOTAL | | | | | | | 563.52 |

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

REMOVAL QUANTITIES

APPROVED FOR REMOVAL WORK ONLY

| | | | | | | | | | | |
|---|--------------|--|------------------------------|--|--|-----------------------------------|--|---|---|--------------------|
| REVISED BY | DATE REVISED | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: J. YAU |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| | | | DRAWN BY: J. YAU | | PLANS APPROVAL DATE | CADD FILENAME => YBISfe001.dgn | | | | |
| | | | CHECKED BY: S. DWYER | | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | CONTRACT NO. | | | | |
| | | | APPROVED BY: D. DICKINSON | | | SHEET NAME | | | | |
| BORDER LAST REVISED 11/15/2019 | | | | | | | | | | |
| RELATIVE BORDER SCALE IS IN INCHES | | | | | | | | | | |
|  | | | | | | | | | | |
| SHEET NO. 27 / TOTAL SHEETS | | | | | | | | | | |
| LAST REVISION 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:34:04 PM | | | | | | | | | | |

NOTES:

- ① REMOVE Conc PILE TO AN ELEVATION THAT IS 10' BELOW OG BENEATH BRIDGE
- ② REMOVE Conc PILE TO AN ELEVATION THAT IS 12' BELOW OG BENEATH BRIDGE
- ③ REMOVE Conc SECANT PILE TO 6' BELOW PROPOSED ROADWAY FG
- ④ REMOVE Conc FOOTING TO AN ELEVATION THAT HAS A 3' MINIMUM CLEARANCE FROM FINISHED GRADE
- ⑤ REMOVE ENTIRE Conc FOOTING





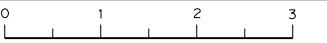
| FOOTING REMOVAL | | |
|-----------------|-----------------------------|-----------------------------|
| FOOTING No. | LOCATION/ STATION LIMITS | DESCRIPTION OF WORK ⊕ |
| F1 | 30.97 Rt "L"58+79.85 | 5 |
| F2 | 16.77 Rt "L"58+79.85 | 5 |
| F3 | 30.67 Rt "L"59+02.32 | 5 |
| F4 | 16.67 Rt "L"59+02.28 | 5 |
| F5 | 30.54 Rt "L"59+24.75 | 5 |
| F6 | 16.51 Rt "L"59+24.46 | 5 |
| F7 | 2.53 Rt "L"59+24.51 | 5 |
| F8 | 30.51 Rt "L"59+47.09 | 5 |
| F9 | 16.36 Rt "L"59+46.93 | 5 |
| F10 | 2.31 Rt "L"59+46.89 | 5 |
| F11 | 30.29 Rt "L"59+69.22 | 5 |
| F12 | 16.24 Rt "L"59+69.36 | 5 |
| F13 | 30.07 Rt "L"59+91.57 | 5 |
| F14 | 16.12 Rt "L"59+91.48 | 5 |
| F15 | 44.33 Rt "L"65+02.94 | 4 |
| F16 | 20.91 Rt "L"65+06.30 | 4 |
| F17 | 52.28 Rt "L"65+50.70 | 4 |
| F18 | 28.59 Rt "L"65+54.98 | 4 |
| F19 | 55.65 Rt "L"65+69.49 | 4 |
| F20 | 32.23 Rt "L"65+74.09 | 4 |
| F21 | 65.44 Rt "L"66+18.18 | 4 |
| F22 | 42.36 Rt "L"66+22.95 | 4 |
| F23 | 69.50 Rt "L"66+38.88 | 4 |
| F24 | 45.78 Rt "L"66+43.34 | 4 |
| F25 | 77.25 Rt "L"66+91.37 | 4 |
| F26 | 53.51 Rt "L"66+95.04 | 4 |
| F27 | 80.08 Rt "L"67+12.62 | 4 |
| F28 | 55.65 Rt "L"67+15.76 | 4 |
| F29 | 84.95 Rt "L"67+65.77 | 4 |
| F30 | 60.90 Rt "L"67+67.97 | 4 |
| F31 | 85.89 Rt "L"67+87.52 | 4 |
| F32 | 62.20 Rt "L"67+88.83 | 4 |
| F33 | 88.04 Rt "L"68+40.37 | 4 |
| F34 | 63.72 Rt "L"68+40.96 | 4 |

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

| FOOTING REMOVAL | | |
|-----------------|-----------------------------|-----------------------------|
| FOOTING No. | LOCATION/ STATION LIMITS | DESCRIPTION OF WORK ⊕ |
| F35 | 88.73 Rt "L"68+57.11 | 4 |
| F36 | 64.65 Rt "L"68+58.15 | 4 |
| F37 | 86.68 Rt "L"69+01.42 | 4 |
| F38 | 63.35 Rt "L"68+99.48 | 4 |
| F39 | 77.20 Rt "L"69+45.95 | 4 |
| F40 | 41.54 Rt "L"69+36.88 | 4 |
| F41 | 48.45 Rt "L"69+87.84 | 5 |
| F42 | 38.33 Rt "L"69+61.32 | 5 |
| F43 | 13.03 Rt "L"65+36.50 | 5 |
| F44 | 1.71 Lt "L"65+39.05 | 5 |
| F45 | 16.71 Lt "L"65+41.34 | 5 |
| F46 | 16.49 Rt "L"65+56.88 | 5 |
| F47 | 1.83 Rt "L"65+59.46 | 5 |
| F48 | 8.48 Lt "L"65+61.42 | 5 |
| F49 | 16.45 Lt "L"65+62.74 | 5 |
| F50 | 20.27 Rt "L"65+77.50 | 5 |
| F51 | 5.58 Rt "L"65+80.06 | 5 |
| F52 | 4.70 Lt "L"65+82.11 | 5 |
| F53 | 14.63 Lt "L"65+84.03 | 5 |
| F54 | 24.56 Rt "L"65+97.57 | 5 |
| F55 | 9.82 Rt "L"66+00.67 | 5 |
| F56 | 0.56 Lt "L"66+02.87 | 5 |
| F57 | 11.05 Lt "L"66+05.05 | 5 |
| F58 | 2.57 Lt "L"66+16.46 | 5 |
| F59 | 28.56 Rt "L"66+18.33 | 5 |
| F60 | 13.90 Rt "L"66+21.21 | 5 |
| F61 | 32.27 Rt "L"66+39.61 | 5 |
| F62 | 17.92 Rt "L"66+42.27 | 5 |
| F63 | 3.16 Rt "L"66+47.97 | 5 |
| F64 | 36.05 Rt "L"66+61.02 | 5 |
| F65 | 21.25 Rt "L"66+63.32 | 5 |
| F66 | 8.21 Rt "L"66+79.69 | 5 |
| F67 | 39.08 Rt "L"66+82.32 | 5 |
| F68 | 24.45 Rt "L"66+84.29 | 5 |
| F69 | 41.94 Rt "L"67+03.92 | 5 |
| F70 | 27.05 Rt "L"67+05.74 | 5 |
| F71 | 12.42 Rt "L"67+11.65 | 5 |
| F72 | 44.46 Rt "L"67+25.50 | 5 |
| F73 | 29.45 Rt "L"67+27.15 | 5 |
| F74 | 46.32 Rt "L"67+47.26 | 5 |
| F75 | 31.36 Rt "L"67+48.40 | 5 |

REMOVAL QUANTITIES

APPROVED FOR REMOVAL WORK ONLY

| | | | | | | | | | | | | | | | |
|--------------------------------|----------------------|--|---|--|--|--|---|---|---|------------|-----------|---|-------------|-----------|--|
| REVISED BY | DATE REVISED | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: J. YAU DRAWN BY: J. YAU CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE PLANS APPROVAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer CADD FILENAME => YBISfe002.dgn CONTRACT NO. <table style="width: 100%; border: none;"> <tr> <td style="border: none;">SHEET NAME</td> <td style="border: none;">SHEET NO.</td> <td style="border: none;">TOTAL SHEETS</td> </tr> <tr> <td style="border: none;">RQ-2</td> <td style="border: none;">28</td> <td style="border: none;"></td> </tr> </table> | SHEET NAME | SHEET NO. | TOTAL SHEETS | RQ-2 | 28 | |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | | |
| RQ-2 | 28 | | | | | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES  | | | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | LAST REVISION 11-15-19 | | | DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:34:06 PM | | | |

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NOTES:






- ⑥ REMOVE EXISTING H-PILE SHORING TO AN ELEVATION THAT WILL ACCOMMODATE THE PROPOSED BARRIER SLAB. SEE STRUCTURE PLANS FOR ADDITIONAL BARRIER SLAB DETAILS AND NOTES.

| PILE REMOVAL | | | | | | | |
|--------------|------------------------|---------------------|---------------------|--------------------------------|------------------------------|--------------------------|-------------------------------|
| PILE No. | LOCATION/STATION | FG PROPOSED ROADWAY | OG EXISTING ROADWAY | EXISTING TOP OF PILE ELEVATION | TOP OF PILE CUTOFF ELEVATION | DESCRIPTION OF WORK Ⓢ | PILE LENGTH TO BE REMOVED (N) |
| | | | | | | | (LF) |
| HP1 | 4.22 R+ "TU" 70+60.89 | 193.78 | 194.83 | 191.83 | 187.78 | 6 | 4.05 |
| HP2 | 9.41 R+ "TU" 70+65.80 | 193.96 | 194.89 | 191.89 | 187.96 | 6 | 3.93 |
| HP3 | 8.92 R+ "TU" 70+72.54 | 193.87 | 194.71 | 191.71 | 187.87 | 6 | 3.84 |
| HP4 | 8.58 R+ "TU" 70+79.29 | 193.75 | 194.56 | 191.56 | 187.75 | 6 | 3.81 |
| HP5 | 8.43 R+ "TU" 70+86.06 | 193.60 | 194.38 | 191.38 | 187.60 | 6 | 3.78 |
| HP6 | 8.46 R+ "TU" 70+92.83 | 193.44 | 194.12 | 191.12 | 187.44 | 6 | 3.68 |
| HP7 | 8.59 R+ "TU" 70+99.83 | 193.24 | 193.82 | 190.82 | 187.24 | 6 | 3.58 |
| HP8 | 8.70 R+ "TU" 71+05.33 | 193.07 | 193.59 | 190.59 | 187.07 | 6 | 3.52 |
| HP9 | 8.80 R+ "TU" 71+10.83 | 192.89 | 193.29 | 190.29 | 186.89 | 6 | 3.40 |
| HP10 | 8.90 R+ "TU" 71+16.33 | 192.69 | 192.98 | 189.98 | 186.69 | 6 | 3.29 |
| HP11 | 9.00 R+ "TU" 71+21.83 | 192.47 | 192.66 | 189.66 | 186.47 | 6 | 3.19 |
| HP12 | 9.11 R+ "TU" 71+27.32 | 192.23 | 192.38 | 189.38 | 186.23 | 6 | 3.15 |
| HP13 | 9.20 R+ "TU" 71+32.32 | 192.01 | 192.12 | 189.12 | 186.01 | 6 | 3.11 |
| HP14 | 9.31 R+ "TU" 71+38.32 | 191.72 | 191.76 | 188.76 | 185.72 | 6 | 3.04 |
| HP15 | 9.42 R+ "TU" 71+43.82 | 191.44 | 191.41 | 188.41 | 185.44 | 6 | 2.97 |
| HP16 | 9.52 R+ "TU" 71+49.32 | 191.14 | 191.06 | 188.06 | 185.14 | 6 | 2.92 |
| HP17 | 9.62 R+ "TU" 71+54.82 | 190.82 | 190.70 | 187.70 | 184.82 | 6 | 2.88 |
| HP18 | 9.72 R+ "TU" 71+60.32 | 190.49 | 190.35 | 187.35 | 184.49 | 6 | 2.86 |
| HP19 | 9.83 R+ "TU" 71+65.82 | 190.13 | 190.03 | 187.03 | 184.13 | 6 | 2.90 |
| HP20 | 9.93 R+ "TU" 71+71.32 | 189.78 | 189.67 | 186.67 | 183.78 | 6 | 2.89 |
| HP21 | 10.03 R+ "TU" 71+76.82 | 189.42 | 189.30 | 186.30 | 183.42 | 6 | 2.88 |
| HP22 | 10.13 R+ "TU" 71+82.31 | 189.06 | 188.93 | 185.93 | 183.06 | 6 | 2.87 |
| HP23 | 10.24 R+ "TU" 71+87.81 | 188.70 | 188.56 | 185.56 | 182.70 | 6 | 2.86 |
| HP24 | 10.34 R+ "TU" 71+93.31 | 188.34 | 188.19 | 185.19 | 182.34 | 6 | 2.85 |
| HP25 | 10.44 R+ "TU" 71+98.91 | 187.97 | 187.85 | 184.85 | 181.97 | 6 | 2.88 |
| HP26 | 10.54 R+ "TU" 72+04.31 | 187.61 | 187.53 | 184.53 | 181.61 | 6 | 2.92 |
| HP27 | 10.65 R+ "TU" 72+09.81 | 187.25 | 187.17 | 184.17 | 181.25 | 6 | 2.92 |
| HP28 | 10.75 R+ "TU" 72+15.31 | 186.88 | 186.81 | 183.81 | 180.88 | 6 | 2.93 |
| HP29 | 10.85 R+ "TU" 72+20.81 | 186.52 | 186.46 | 183.46 | 180.52 | 6 | 2.94 |
| HP30 | 10.96 R+ "TU" 72+26.31 | 186.15 | 186.14 | 183.14 | 180.15 | 6 | 2.99 |
| HP31 | 11.06 R+ "TU" 72+31.81 | 185.79 | 185.78 | 182.78 | 179.79 | 6 | 2.99 |
| HP32 | 11.16 R+ "TU" 72+37.31 | 185.42 | 185.47 | 182.47 | 179.42 | 6 | 3.05 |
| HP33 | 11.26 R+ "TU" 72+42.80 | 185.07 | 185.13 | 182.13 | 179.07 | 6 | 3.06 |
| HP34 | 11.37 R+ "TU" 72+48.30 | 184.72 | 184.75 | 181.75 | 178.72 | 6 | 3.03 |
| HP35 | 11.47 R+ "TU" 72+53.92 | 184.37 | 184.37 | 181.37 | 178.37 | 6 | 3.00 |
| HP36 | 8.79 R+ "TU" 72+60.60 | 184.12 | 184.16 | 181.16 | 178.12 | 6 | 3.04 |
| HP37 | 8.25 R+ "TU" 72+66.64 | 183.79 | 183.80 | 180.80 | 177.79 | 6 | 3.01 |
| HP38 | 7.39 R+ "TU" 72+71.33 | 183.54 | 183.58 | 180.58 | 177.54 | 6 | 3.04 |
| HP39 | 8.07 R+ "L" 71+97.33 | 209.12 | 209.17 | 206.17 | 203.12 | 6 | 3.05 |
| HP40 | 7.00 R+ "L" 72+19.33 | 210.77 | 210.83 | 207.83 | 204.77 | 6 | 3.06 |
| HP41 | 6.59 R+ "L" 72+36.19 | 212.02 | 212.15 | 209.15 | 206.02 | 6 | 3.13 |
| HP42 | 6.08 R+ "L" 72+46.42 | 212.79 | 212.92 | 209.92 | 206.79 | 6 | 3.13 |
| HP43 | 6.12 R+ "L" 72+52.52 | 213.25 | 213.38 | 210.38 | 207.25 | 6 | 3.13 |
| HP44 | 6.22 R+ "L" 72+57.49 | 213.63 | 213.74 | 210.74 | 207.63 | 6 | 3.11 |
| HP45 | 6.06 R+ "L" 72+62.63 | 214.01 | 214.09 | 211.09 | 208.01 | 6 | 3.08 |
| HP46 | 6.39 R+ "L" 72+78.73 | 215.22 | 215.32 | 212.32 | 209.22 | 6 | 3.10 |
| TOTAL | | | | | | | 144.84 |

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

REMOVAL QUANTITIES

APPROVED FOR REMOVAL WORK ONLY

| | | | | | | | | | | | | | | | |
|--------------------------------|----------------------|--|--|--|--|--|---|---|---|------------|-----------|--------------|-------------|-----------|--|
| REVISED BY | DATE REVISED | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: S. BARJOURD DRAWN BY: S. BARJOURD CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE PLANS APPROVAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer CADD FILENAME => YBISfe003.dgn CONTRACT NO. <table style="width: 100%; border: none;"> <tr> <td style="border: none;">SHEET NAME</td> <td style="border: none;">SHEET NO.</td> <td style="border: none;">TOTAL SHEETS</td> </tr> <tr> <td style="border: none;">RQ-3</td> <td style="border: none;">29</td> <td style="border: none;"></td> </tr> </table> | SHEET NAME | SHEET NO. | TOTAL SHEETS | RQ-3 | 29 | |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | | |
| RQ-3 | 29 | | | | | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES  | | | LAST REVISION 11-15-19 | | | DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:34:08 PM | | | | | | |

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RAILING AND BARRIER

| SHEET No. | LOCATION/ STATION LIMITS | REMOVE K-RAIL | REMOVE GUARDRAIL | REMOVE Conc BARRIER |
|-----------|---------------------------------------|------------------|---------------------|------------------------|
| | | LF | | |
| R1, R2 | 32' R+ "L" 55+00 TO 35' R+ "L" 58+56 | | 376 | |
| R1, R2 | 1' L+ "L" 56+68 TO 1' L+ "L" 59+02 | | 234 | |
| R2 | 76' R+ "L" 69+48 TO 95' R+ "L" 72+90 | 380 | | |
| R2 | 1.5' L+ "L" 59+69 TO 32' L+ "L" 62+33 | | 265 | |
| R2 | 56' R+ "L" 68+58 TO 77' R+ "L" 69+56 | | 110 | |
| R2 | 6' L+ "L" 63+44 TO 7' R+ "L" 63+66 | | 25 | |
| R2 | 18' R+ "L" 71+19 TO 16' R+ "L" 71+33 | | | 115 |
| R2 | 93' R+ "L" 72+91 TO 159' R+ "L" 72+81 | | | 75 |
| TOTAL | | 380 | 1010 | 190 |

CONCRETE

| SHEET No. | LOCATION/ STATION LIMITS | REMOVE CURB | REMOVE CURB & GUTTER | REMOVE GUTTER | REMOVE SLOPE PAVING |
|-----------|--|-------------|-------------------------|------------------|------------------------|
| | | LF | | | SOFT |
| R1,R2 | "L" 55+00 TO 35' R+ "L" 58+56 | 376 | | | |
| R1,R2 | 32' R+ "L" 56+68 TO "L" 59+02 | 234 | | | |
| R2 | 0.6' L+ "L" 59+69 TO 0.8' L+ "L" 62+68 | 300 | | | |
| R2 | 3' L+ "L" 63+43 TO "L" 69+91 | 660 | | | |
| R2 | 56' R+ "L" 68+58 TO 76' R+ "L" 69+71 | 133 | | | |
| R2 | 68' R+ "L" 72+50 TO 93' R+ "L" 72+91 | 50 | | | |
| R1,R2 | 1' L+ "L" 56+68 TO 8' L+ "L" 62+71 | | | 570 | |
| R2 | 10' L+ "L" 63+70 TO 3.5' L+ "L" 69+90 | | | 625 | |
| R2 | "L" 69+91 TO 12' L+ "L" 72+31 | | 238 | | |
| R2 | 76' R+ "L" 69+71 TO 68' R+ "L" 72+50 | | 310 | | |
| R2 | BENEATH BRIDGE 4 | | | | 9,100 |
| R2 | BENEATH BRIDGE 2 | | | | 45,700 |
| TOTAL | | 1,753 | 548 | 1195 | 54,800 |

RETAINING WALL

| SHEET No. | LOCATION/ STATION LIMITS | REMOVE RW | REMOVE RW ABUTMENT | REMOVE CAP BEAM | REMOVE CAP BEAM (N) | REMOVE RW (N) |
|-----------|--|-----------|-----------------------|--------------------|------------------------|---------------|
| | | LF | | | CY | |
| R2 | 4' L+ "L" 62+67 TO 13' L+ "L" 63+47 | | | 80 | 40 | |
| R2 | 10' L+ "L" 63+92 TO "L" 69+91 | 608 | | | | 520 |
| R2 | 22' L+ "L" 65+21 TO 1.5' R+ "L" 67+26 | 200 | | | | 165 |
| R2 | 16.5' R+ "L" 67+22 TO 31' R+ "L" 69+64 | 256 | | | | 500 |
| R2 | 48' R+ "L" 69+71 TO 18' R+ "L" 71+19 | 165 | | | | 165 |
| R2 | 28' R+ "L" 67+72 TO 56' R+ "L" 68+58 | 112 | | | | 180 |
| R2 | 38' R+ "L" 63+93 TO 48' R+ "L" 64+84 | | 95 | | | UNKNOWN |
| TOTAL | | 1,341 | 95 | 80 | 40 | 1,530 |





(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

MISCELLANEOUS STRUCTURES

| | |
|--------------|----|
| ELECTROLIERS | 18 |
|--------------|----|




REMOVAL QUANTITIES

APPROVED FOR REMOVAL WORK ONLY

| | | | | | | | | | |
|---|--------------|--|--|---------------------------|---|--|---|---|------------------------------------|
| REVISOR | DATE REVISOR | DESIGNED BY: J. YAU DRAWN BY: J. YAU CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | | | CADD FILENAME => YBISfe004.dgn |
| PROJECT DESCRIPTION | | | | | | | | | CONTRACT NO. |
| BORDER LAST REVISOR 11/15/2019 | | | | | | | | | RELATIVE BORDER SCALE IS IN INCHES |
| | | | | PLANS APPROVAL DATE | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | SHEET NAME |
| | | | | | | | | | SHEET NO. |
| | | | | | | | | | TOTAL SHEETS |
| | | | | | | | | | RQ-4 |
| | | | | | | | | | 30 |
| | | | | | | | | | LAST REVISION |
| | | | | | | | | | DATE PLOTTED => 11/17/2019 |
| | | | | | | | | | TIME PLOTTED => 10:34:10 PM |

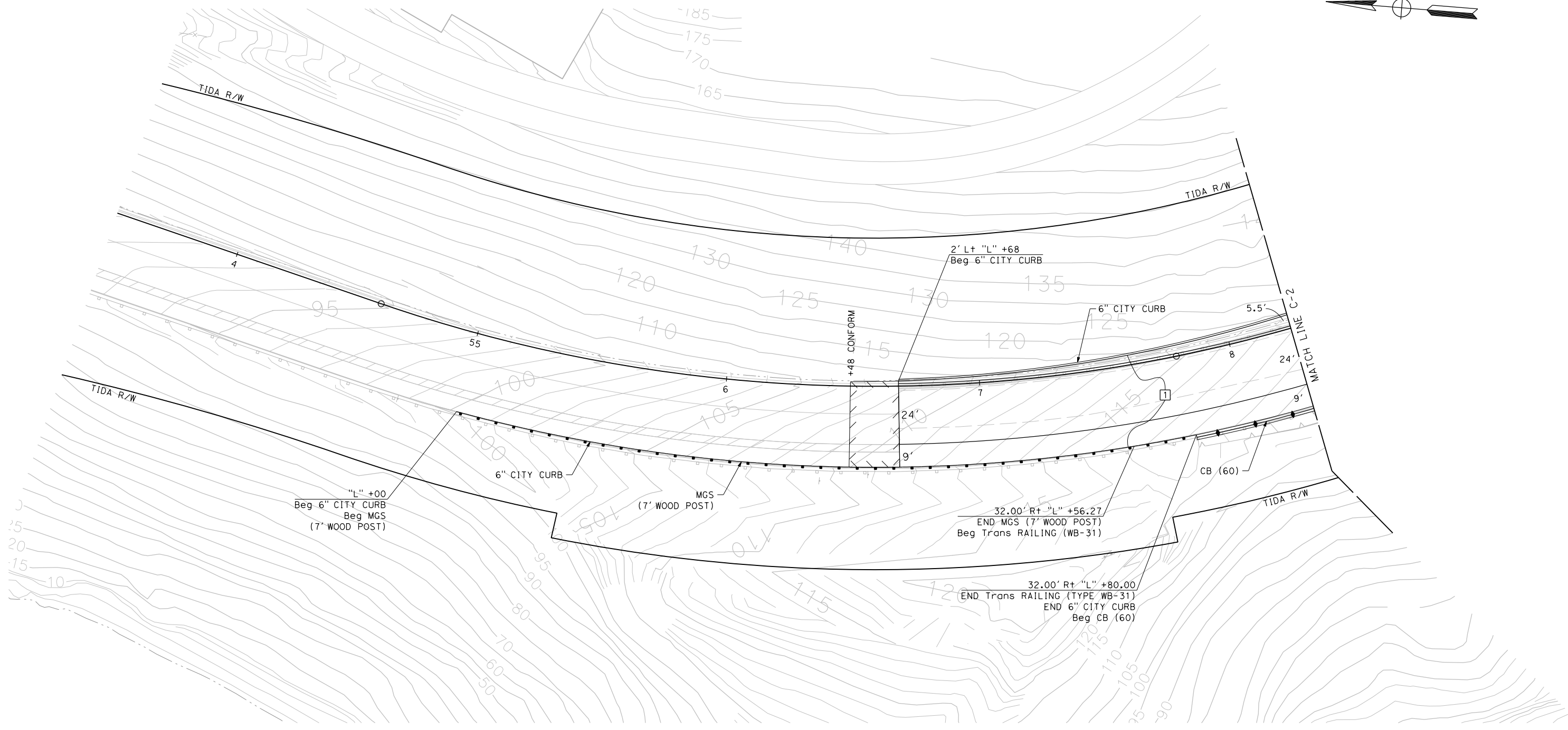
X:\YB\STRUCTURES\000_CAD\Sheets\FC-Removal\NE-Quant\11\YBISfe004.dgn

LEGEND:





-  BARRIER SLAB LIMITS
-  PAVEMENT SECTIONS
-  COLD PLANE AC Pvmt

ABBREVIATIONS:

- CC (TYPE) CRASH CUSHION
- CB (TYPE) CONCRETE BARRIER

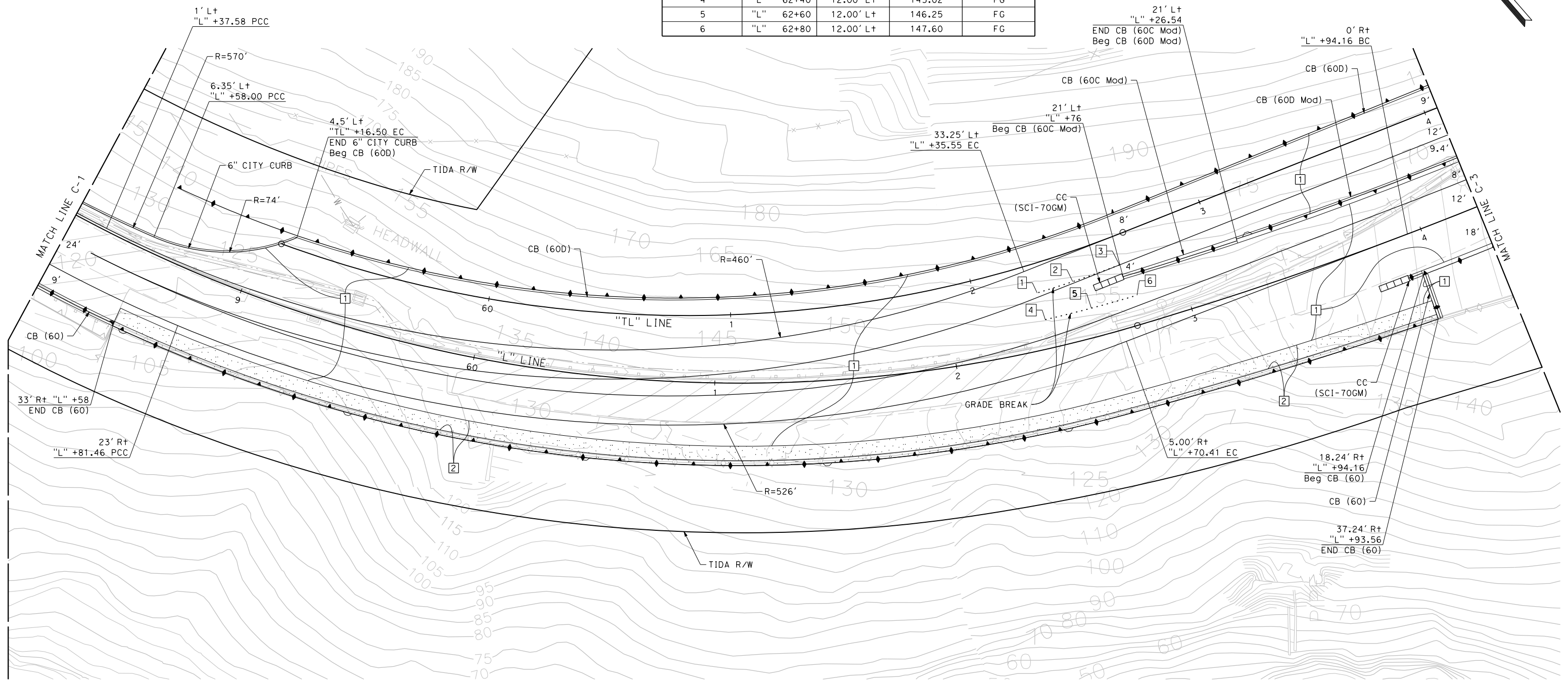
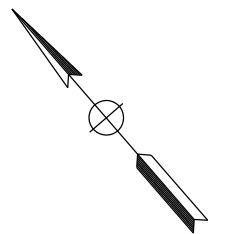


CONSTRUCTION DETAILS
SCALE: 1" = 20'

| | | | | | | | | | | | | | |
|--------------------------------|-----------------------------|--|------------------------------------|--|--|---|---|---------------------------|---------------|----------------------------|----------|---|------------|
| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: S. DWYER |  REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | | | | | |
| | | | DRAWN BY: S. DWYER | | | | | REGISTERED CIVIL ENGINEER | | | | CADD FILENAME => YBISga001.dgn | |
| | | | CHECKED BY: D. DICKINSON | | | | | PLANS APPROVAL DATE | | | | CONTRACT NO. | |
| | | | APPROVED BY: D. DICKINSON | | | | | | | | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>C-1</td> <td>31</td> <td></td> </tr> </table> | SHEET NAME |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | |
| C-1 | 31 | | | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES | | | <table border="1"> <tr> <td>LAST REVISION</td> <td>DATE PLOTTED => 11/17/2019</td> </tr> <tr> <td>11-15-19</td> <td>TIME PLOTTED => 11:46:09 PM</td> </tr> </table> | | | LAST REVISION | DATE PLOTTED => 11/17/2019 | 11-15-19 | TIME PLOTTED => 11:46:09 PM | |
| LAST REVISION | DATE PLOTTED => 11/17/2019 | | | | | | | | | | | | |
| 11-15-19 | TIME PLOTTED => 11:46:09 PM | | | | | | | | | | | | |

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| POINT No. # | STATION | OFFSET | ELEVATION | DESCRIPTION |
|-------------|------------|-----------|-----------|-------------|
| 1 | "TL" 62+25 | 12.00' Rt | 144.55 | FG |
| 2 | "TL" 62+40 | 12.00' Rt | 145.42 | FG |
| 3 | "TL" 62+60 | 12.00' Rt | 146.40 | FG |
| 4 | "L" 62+40 | 12.00' Lt | 145.02 | FG |
| 5 | "L" 62+60 | 12.00' Lt | 146.25 | FG |
| 6 | "L" 62+80 | 12.00' Lt | 147.60 | FG |



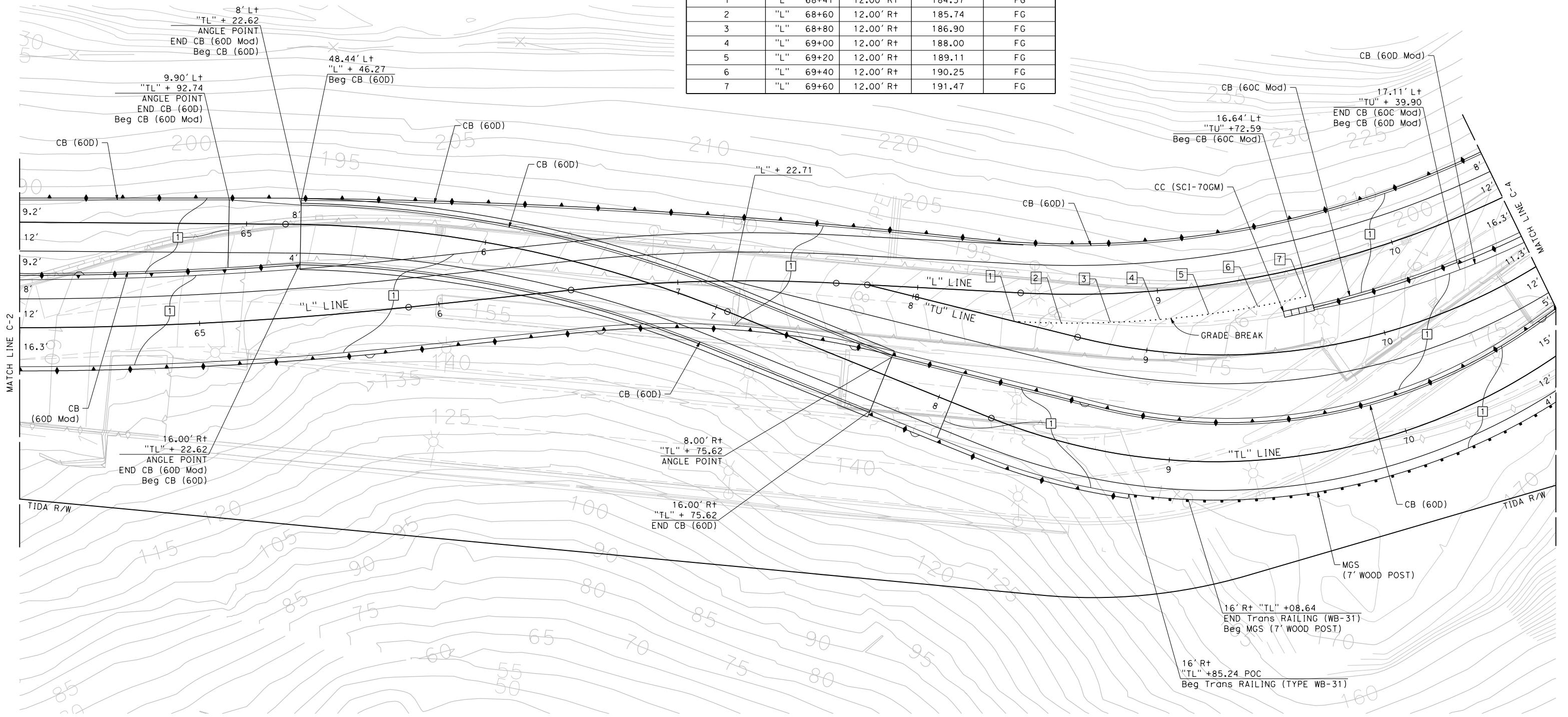
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET C-1

CONSTRUCTION DETAILS
SCALE: 1" = 20'





| | | | | | | | | | | | | | | | |
|--------------------------------|-----------|--|--|------------------------------------|--|--|--|---|--------------------------------|------------|-----------|--------------|------------|-----------|--|
| REVISOR | DATE | DESIGNED BY: S. DWYER DRAWN BY: S. DWYER CHECKED BY: D. DICKINSON APPROVED BY: D. DICKINSON | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer | | | | | | |
| | | | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | | | CADD FILENAME => YBISga002.dgn | | | | | | |
| PROJECT DESCRIPTION | | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | CONTRACT NO. | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | | RELATIVE BORDER SCALE IS IN INCHES | | | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>C-2</td> <td>32</td> <td></td> </tr> </table> | | SHEET NAME | SHEET NO. | TOTAL SHEETS | C-2 | 32 | |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | | |
| C-2 | 32 | | | | | | | | | | | | | | |
| | | | | | | | | LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 11:46:11 PM | | | | | | | |

NOTE:
SEE STR PLANS FOR TUBULAR BICYCLE RAILING DETAILS.

| POINT No. # | STATION | OFFFSET | ELEVATION | DESCRIPTION |
|-------------|-----------|-----------|-----------|-------------|
| 1 | "L" 68+41 | 12.00' Rt | 184.57 | FG |
| 2 | "L" 68+60 | 12.00' Rt | 185.74 | FG |
| 3 | "L" 68+80 | 12.00' Rt | 186.90 | FG |
| 4 | "L" 69+00 | 12.00' Rt | 188.00 | FG |
| 5 | "L" 69+20 | 12.00' Rt | 189.11 | FG |
| 6 | "L" 69+40 | 12.00' Rt | 190.25 | FG |
| 7 | "L" 69+60 | 12.00' Rt | 191.47 | FG |



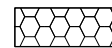


CONSTRUCTION DETAILS
SCALE: 1" = 20'

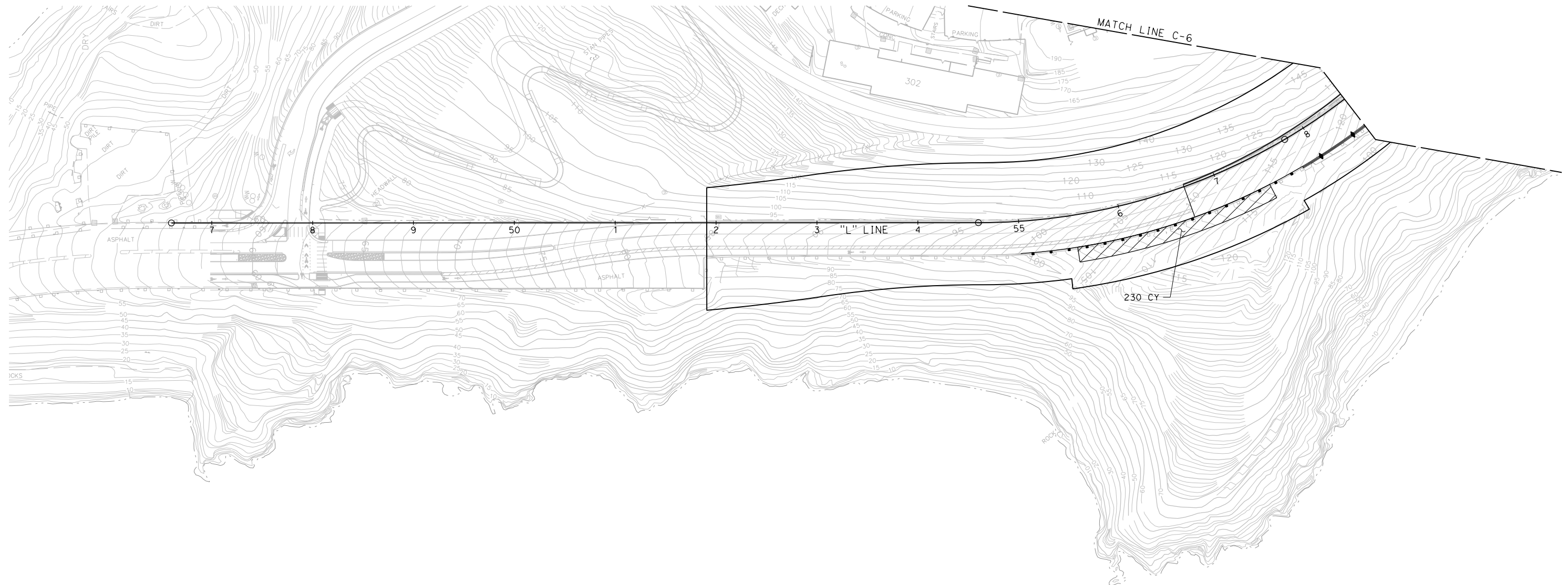
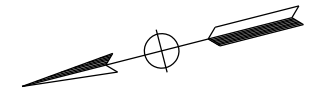
| | | | | | | | | | |
|---|--------------|------------------------------|--|-----------------------------|----------------------|--|---|---|---|
| REVISD BY | DATE REVISED | DESIGNED BY: S. DWYER |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| | | | | CHECKED BY: D. DICKINSON | PLANS APPROVAL DATE | | | | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. |
| PROJECT DESCRIPTION | | APPROVED BY: D. DICKINSON | | | | | | | CONTRACT NO. |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | | | SHEET NAME |
| | | | | | | | | | SHEET NO. |
| | | | | | | | | | TOTAL SHEETS |
| | | | | | | | | | C-3 |
| | | | | | | | | | 33 |
| BORDER LAST REVISED 11/15/2019 | | | | | | | | | LAST REVISION |
| | | | | | | | | | DATE PLOTTED => 11/17/2019 |
| | | | | | | | | | TIME PLOTTED => 11:46:13 PM |

NOTES:





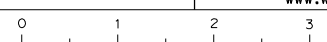
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY.

LEGEND:

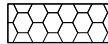

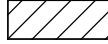
-  ROADWAY EXCAVATION (TYPE Y) TO BE EXCAVATED 0.5' DEEP
-  ROADWAY EXCAVATION (TYPE Y) TO BE EXCAVATED 1' DEEP
-  ROADWAY EXCAVATION (TYPE Y) TO BE EXCAVATED 2' DEEP

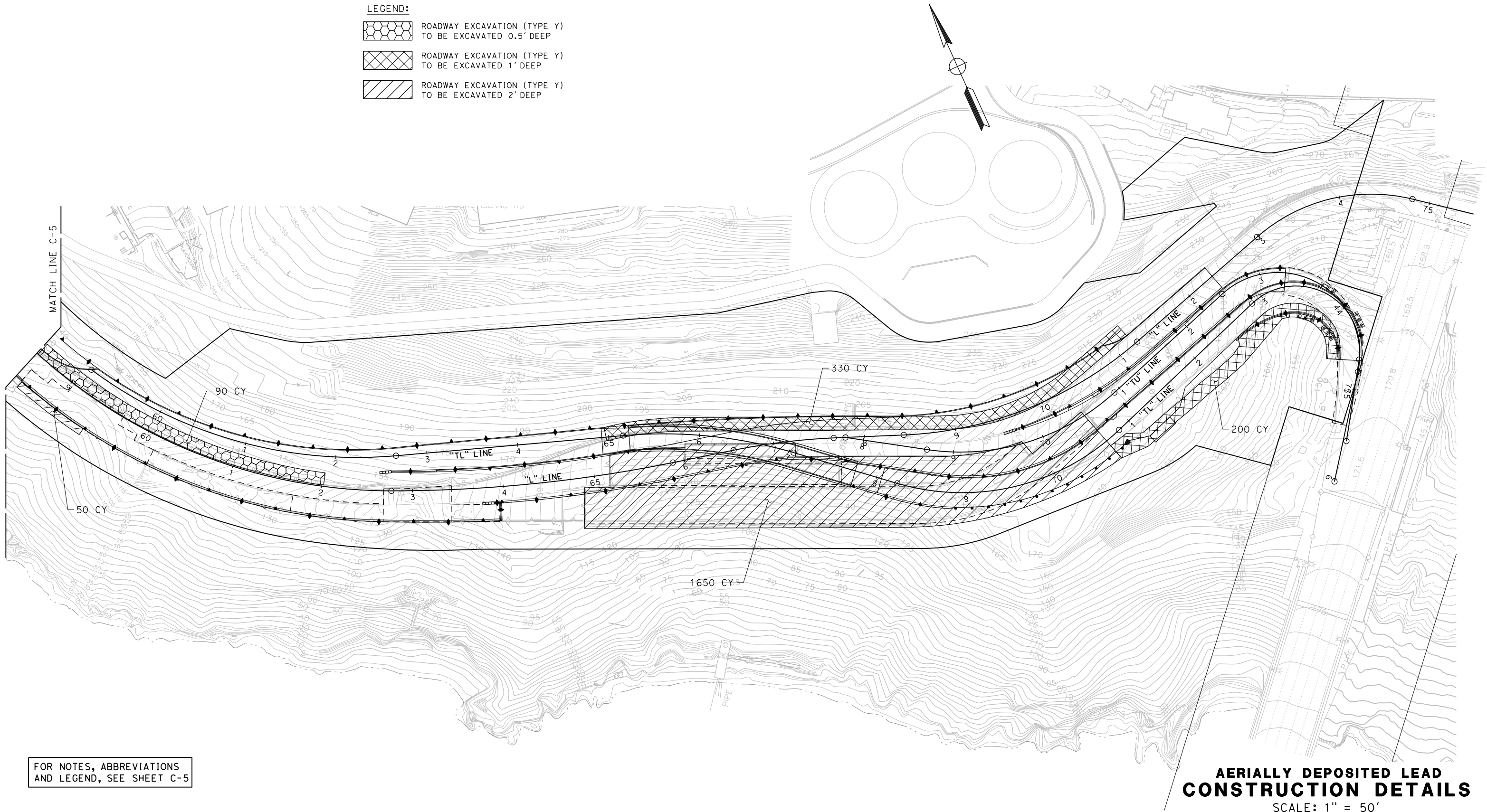


**AERIALLY DEPOSITED LEAD
CONSTRUCTION DETAILS**
SCALE: 1" = 50'

| | | | | | | | | | | | | | | | | |
|--------------------------------|---------------------|--|------------------------------------|--|---------------------------------------|-----------------------------|--|---|---|--|-------------------|------------------|---------------------|------------|-----------|--|
| REVISED BY | DATE REVISED | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: S. DWYER |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | | | | | | |
| | | | DRAWN BY: S. DWYER | | | | | | | CADD FILENAME => YBISga005.dgn | | | | | | |
| | | | CHECKED BY: D. DICKINSON | | | | | | | CONTRACT NO. | | | | | | |
| | | APPROVED BY: D. DICKINSON | | PLANS APPROVAL DATE | | | | | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">SHEET NAME</td> <td style="width: 33%;">SHEET NO.</td> <td style="width: 33%;">TOTAL SHEETS</td> </tr> <tr> <td align="center">C-5</td> <td align="center">35</td> <td></td> </tr> </table> | SHEET NAME | SHEET NO. | TOTAL SHEETS | C-5 | 35 | |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | | | |
| C-5 | 35 | | | | | | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | | | RELATIVE BORDER SCALE IS IN INCHES | |  | | LAST REVISION 11-15-19 | | | | | | | |
| | | | | | | | | DATE PLOTTED => 11/18/2019 TIME PLOTTED => 12:10:01 AM | | | | | | | | |






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- LEGEND:**
-  ROADWAY EXCAVATION (TYPE Y) TO BE EXCAVATED 0.5' DEEP
 -  ROADWAY EXCAVATION (TYPE Y) TO BE EXCAVATED 1' DEEP
 -  ROADWAY EXCAVATION (TYPE Y) TO BE EXCAVATED 2' DEEP



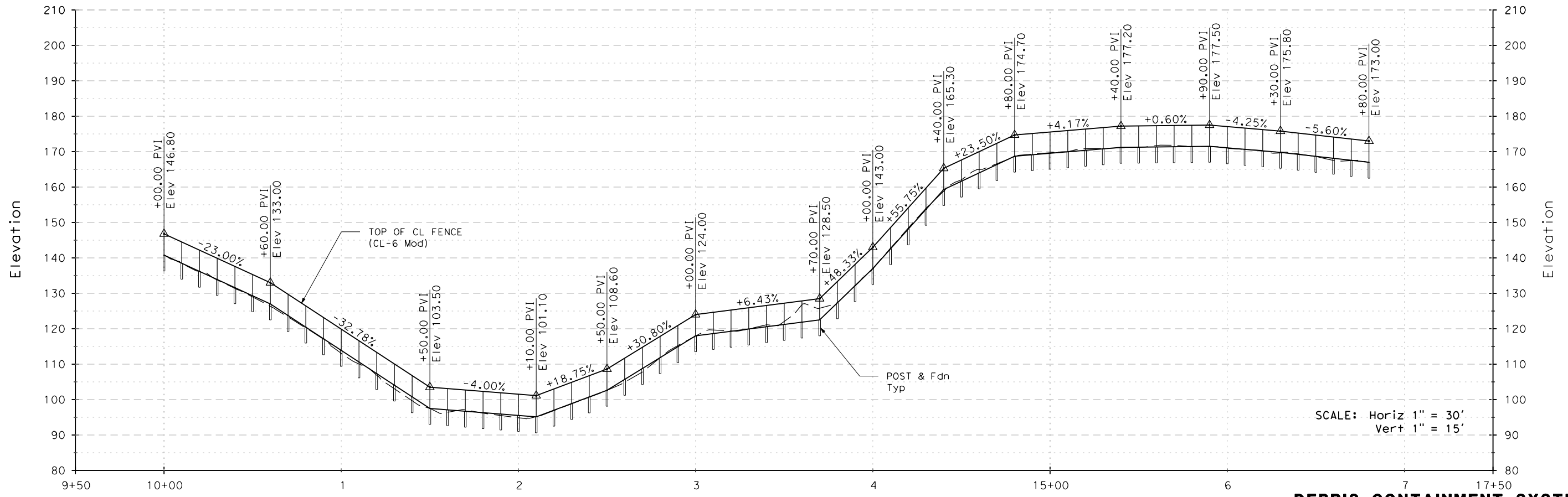
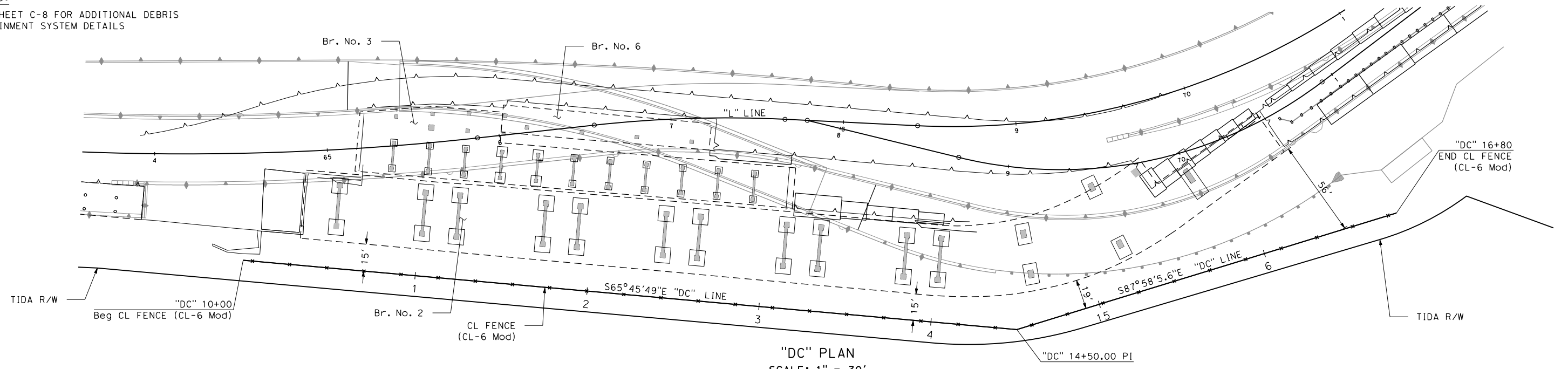
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET C-5

AERIALLY DEPOSITED LEAD CONSTRUCTION DETAILS
SCALE: 1" = 50'

| REVISOR | DATE | DESIGNED BY: S. DWYER DRAWN BY: S. DWYER CHECKED BY: D. DICKINSON APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | | | | | | |
|--------------------------------|-----------------------------|--|--|------------------------------------|----------------------|--|---|---|---|--------------------------------|-----------|--------------|------------|-----------------------------|--|
| | | | | PROJECT DESCRIPTION | PLANS APPROVAL DATE | | | | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | CADD FILENAME => YBISga006.dgn | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | | RELATIVE BORDER SCALE IS IN INCHES | |  | | CONTRACT NO. | <table border="1"> <tr> <th>SHEET NAME</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> <tr> <td>C-6</td> <td>36</td> <td></td> </tr> </table> | SHEET NAME | SHEET NO. | TOTAL SHEETS | C-6 | 36 | |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | | |
| C-6 | 36 | | | | | | | | | | | | | | |
| | | | | | | | | <table border="1"> <tr> <th>LAST REVISION</th> <th>DATE PLOTTED =></th> </tr> <tr> <td>11-15-19</td> <td>11/18/2019</td> </tr> <tr> <td></td> <td>TIME PLOTTED => 12:10:03 AM</td> </tr> </table> | LAST REVISION | DATE PLOTTED => | 11-15-19 | 11/18/2019 | | TIME PLOTTED => 12:10:03 AM | |
| LAST REVISION | DATE PLOTTED => | | | | | | | | | | | | | | |
| 11-15-19 | 11/18/2019 | | | | | | | | | | | | | | |
| | TIME PLOTTED => 12:10:03 AM | | | | | | | | | | | | | | |

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NOTES:
SEE SHEET C-8 FOR ADDITIONAL DEBRIS
CONTAINMENT SYSTEM DETAILS



**DEBRIS CONTAINMENT SYSTEM
CONSTRUCTION DETAILS**

| | | | | | | | | | |
|--------------------------------|------|--|--|------------------------------------|--|---|--|-----------------------------|--------------------------------|
| REVISOR | DATE | DESIGNED BY: S. DWYER DRAWN BY: S. BARJOURD CHECKED BY: G. XU APPROVED BY: D. DICKINSON | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | | USERNAME => sdwyer |
| | | | | PLANS APPROVAL DATE | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | CADD FILENAME => YBISga007.dgn |
| PROJECT DESCRIPTION | | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | CONTRACT NO. | |
| | | | | | | | | SHEET NAME | |
| | | | | | | | | SHEET NO. | |
| | | | | | | | | TOTAL SHEETS | |
| | | | | | | | | C-7 | |
| | | | | | | | | 37 | |
| BORDER LAST REVISED 11/15/2019 | | | | RELATIVE BORDER SCALE IS IN INCHES | | 0 1 2 3 | | LAST REVISION | |
| | | | | | | | | DATE PLOTTED => 11/17/2019 | |
| | | | | | | | | TIME PLOTTED => 10:34:23 PM | |

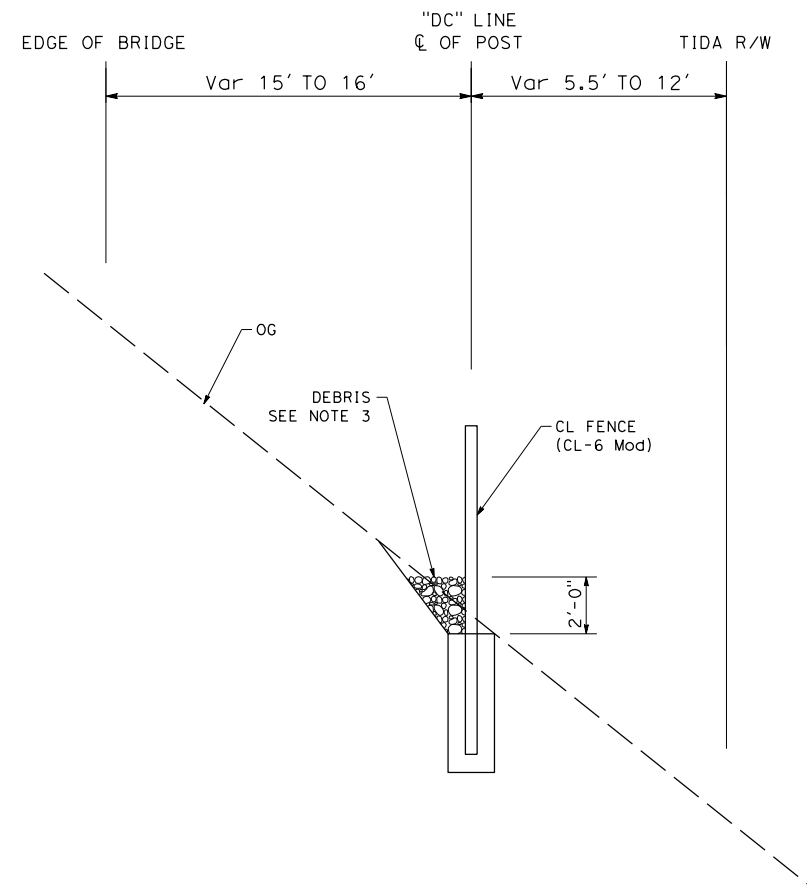
NOTES:

- SEE CT STANDARD PLAN A85 FOR ADDITIONAL CL FENCE DETAILS.
- PIPE 2 Std SHALL HAVE A MINIMUM OF 4' EMBEDMENT.
- THE DEBRIS SHALL BE REMOVED ONCE A HEIGHT OF 2' FROM THE BOTTOM OF THE FENCE IS REACHED.

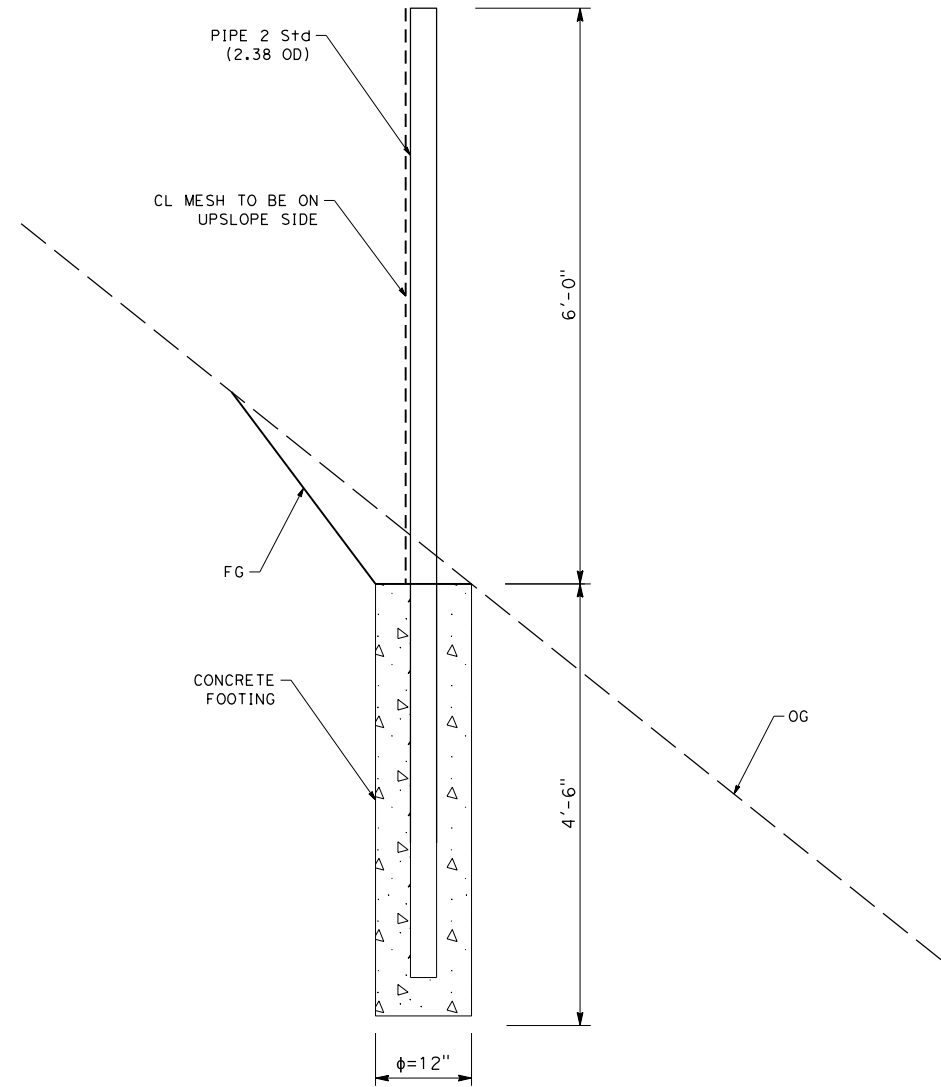
DEBRIS CONTAINMENT SYSTEM QUANTITIES

| SHEET No. | STATION LIMITS | CL FENCE (CL-6 Mod) | CONCRETE FOOTING (N) | PIPE 2 Std (N) | CL MESH (N) |
|-----------|--------------------------|---------------------|----------------------|----------------|-------------|
| | | LF | | | SQFT |
| C-7, C-8 | "DC" 10+00 TO "DC" 16+80 | 680 | 310.5 | 690 | 4,080 |
| TOTAL | | 680 | 310.5 | 690 | 4,080 |

(N) - NOT A SEPARATE PAY ITEM. FOR INFORMATION ONLY.



TYPICAL SECTION



POST AND FOUNDATION DETAIL

DEBRIS CONTAINMENT SYSTEM CONSTRUCTION DETAILS

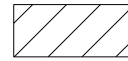
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|------------|--------------|--|------------------------------|--|---|-----------------------------------|---|--|--|--------------------|---------------------------|
| REVISED BY | DATE REVISED | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: G. XU | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | | USERNAME => sdwyer | |
| | | | DRAWN BY: S. BARJOURD | | PLANS APPROVAL DATE | CADD FILENAME => YBISga008.dgn | | | | | |
| | | | CHECKED BY: S. DWYER | | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | | CONTRACT NO. | |
| | | | APPROVED BY: D. DICKINSON | | SHEET NAME C-8 | SHEET NO. 38 | | | | TOTAL SHEETS | LAST REVISION 11-15-19 |

BORDER LAST REVISED 11/15/2019

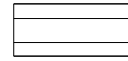


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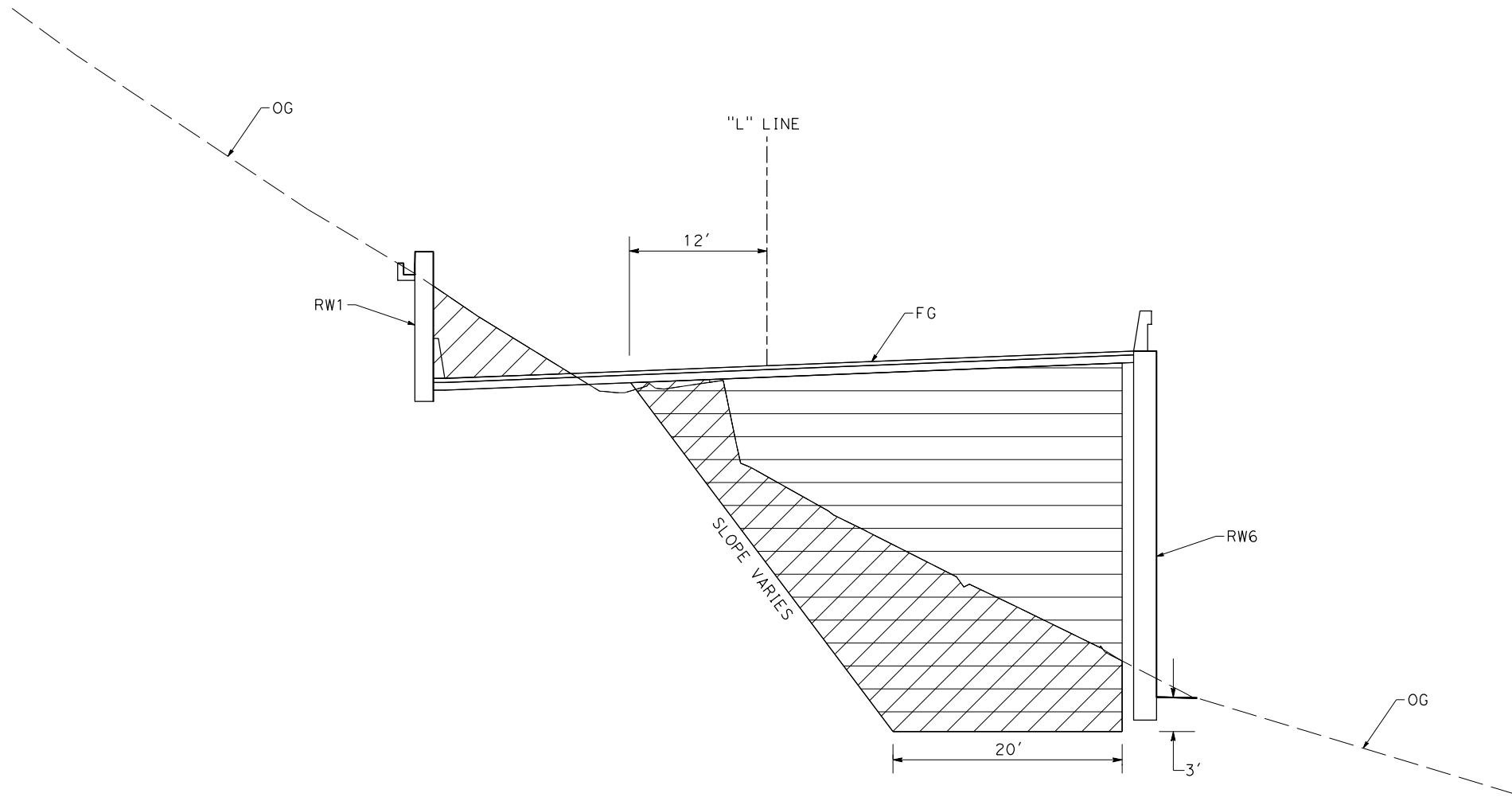
LEGEND:



ROADWAY EXCAVATION



EMBANKMENT



**LIMITS OF EXCAVATION AND EMBANKMENT
ALONG RW6**

CONSTRUCTION DETAILS

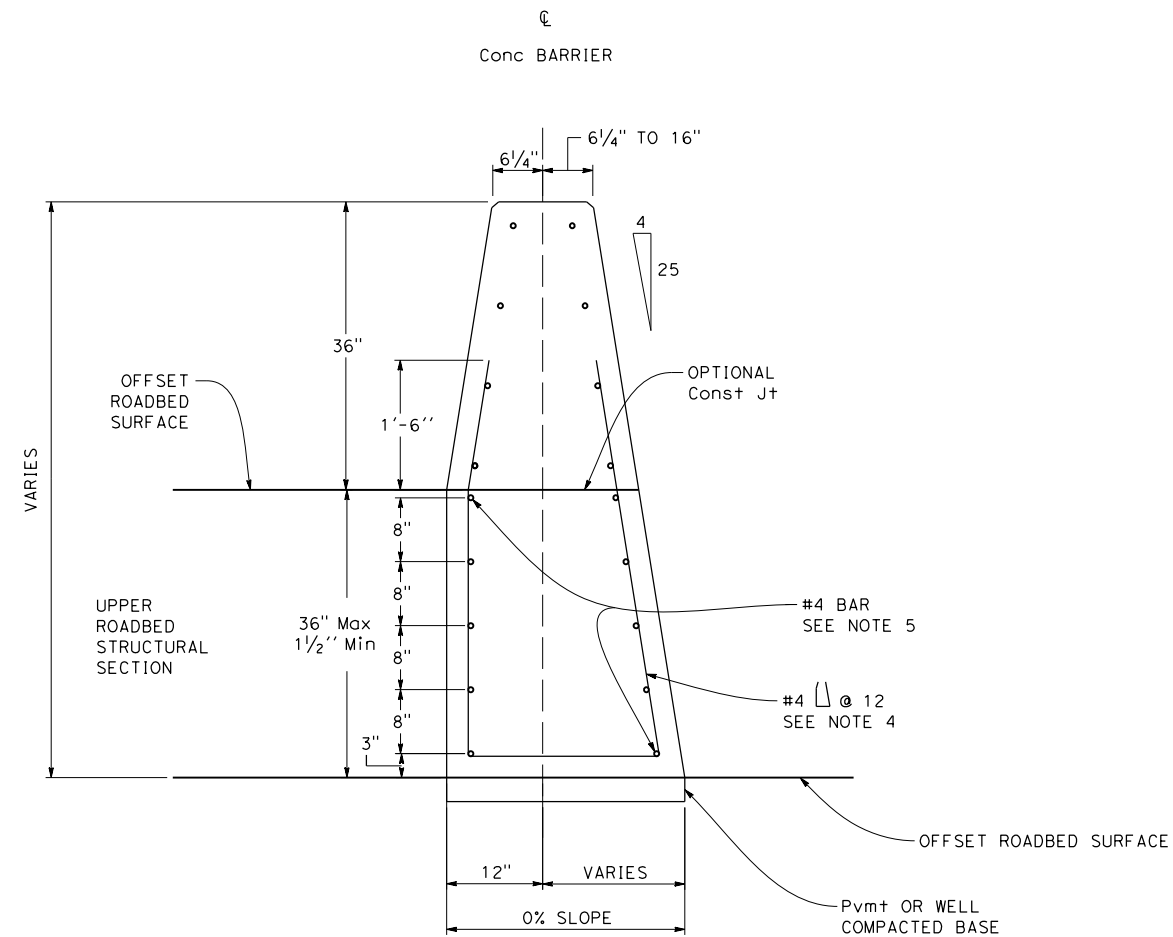
NO SCALE

| | | | | | | | | | | |
|--------------------------------|------|--|---------------------------------------|--|---------------------------|--|--|--|---|-----------------------------------|
| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: J. YAU | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer |
| | | | DRAWN BY: J. YAU | | | | | | | CADD FILENAME => YBISga009.dgn |
| | | | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. |
| | | | APPROVED BY: D. DICKINSON | | PLANS APPROVAL DATE | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | SHEET NAME C-9 |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES | | | | LAST REVISION 11-15-19 | | DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:34:26 PM | |

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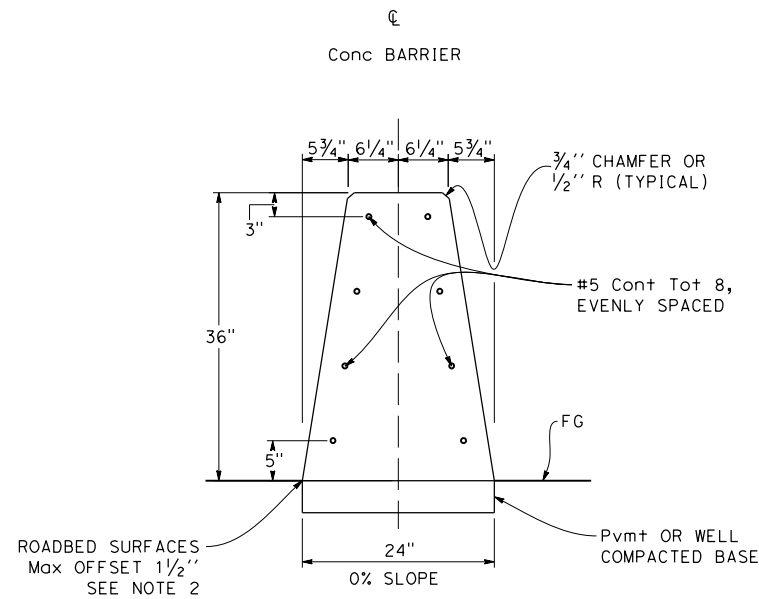
NOTES:

1. See Standard Plan A76C for Concrete Barrier Type 60 transitions at bridge column and sign pedestals.
2. Where roadbed offset is greater than 1 1/2", see Concrete Barrier Type 60C.
3. See Project Plans for barrier delineation locations.
4. Reinforcing stirrup not required for roadbed offsets less than 1'-0".
5. For roadbed surfaces offset greater than 1 1/2" and less than or equal to 3", no reinforcement required. For roadbed surfaces offset greater than 3" and less than or equal to 8", use two #4 Reinf at 3" above the lower roadbed surface. For roadbed surfaces offset greater than 8" and less than or equal to 12", at 8" above the lower roadbed surface. For roadbed surfaces offset greater than 12" and less than or equal to 36", use two #4 Reinf at 3" above the lower roadbed surface and two #4 Reinf at every 8" increment vertical spacing above the first two #4 Reinf.

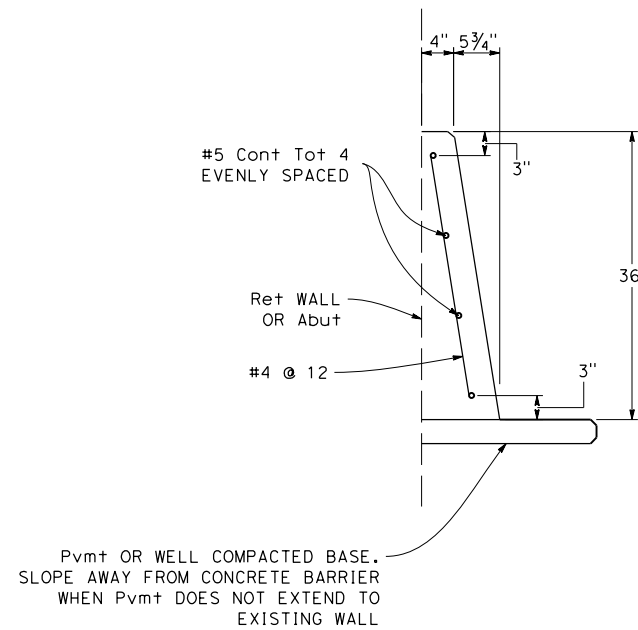


CONCRETE BARRIER TYPE 60C Mod

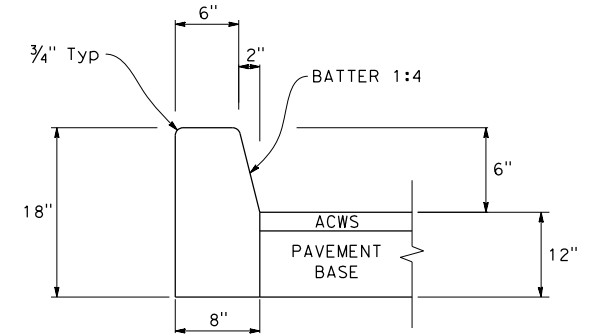
Details similar to Type 60 except as noted.
Use concrete barrier end anchor when necessary.
36" roadbed surfaces offset shown.



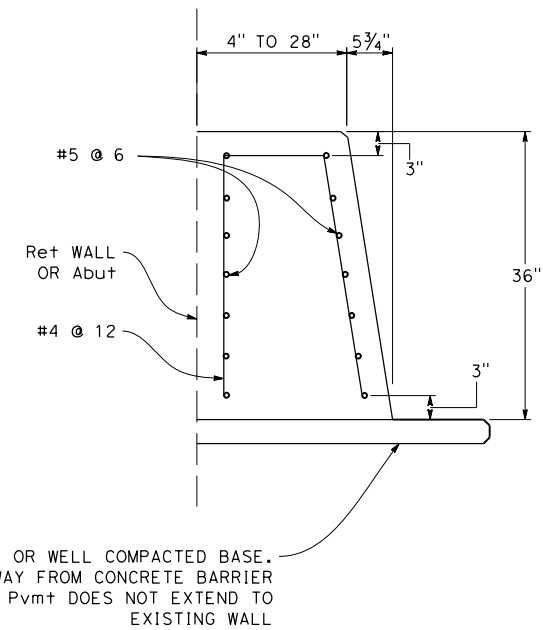
CONCRETE BARRIER TYPE 60



CONCRETE BARRIER TYPE 60D



6" CITY CURB



CONCRETE BARRIER TYPE 60D Mod

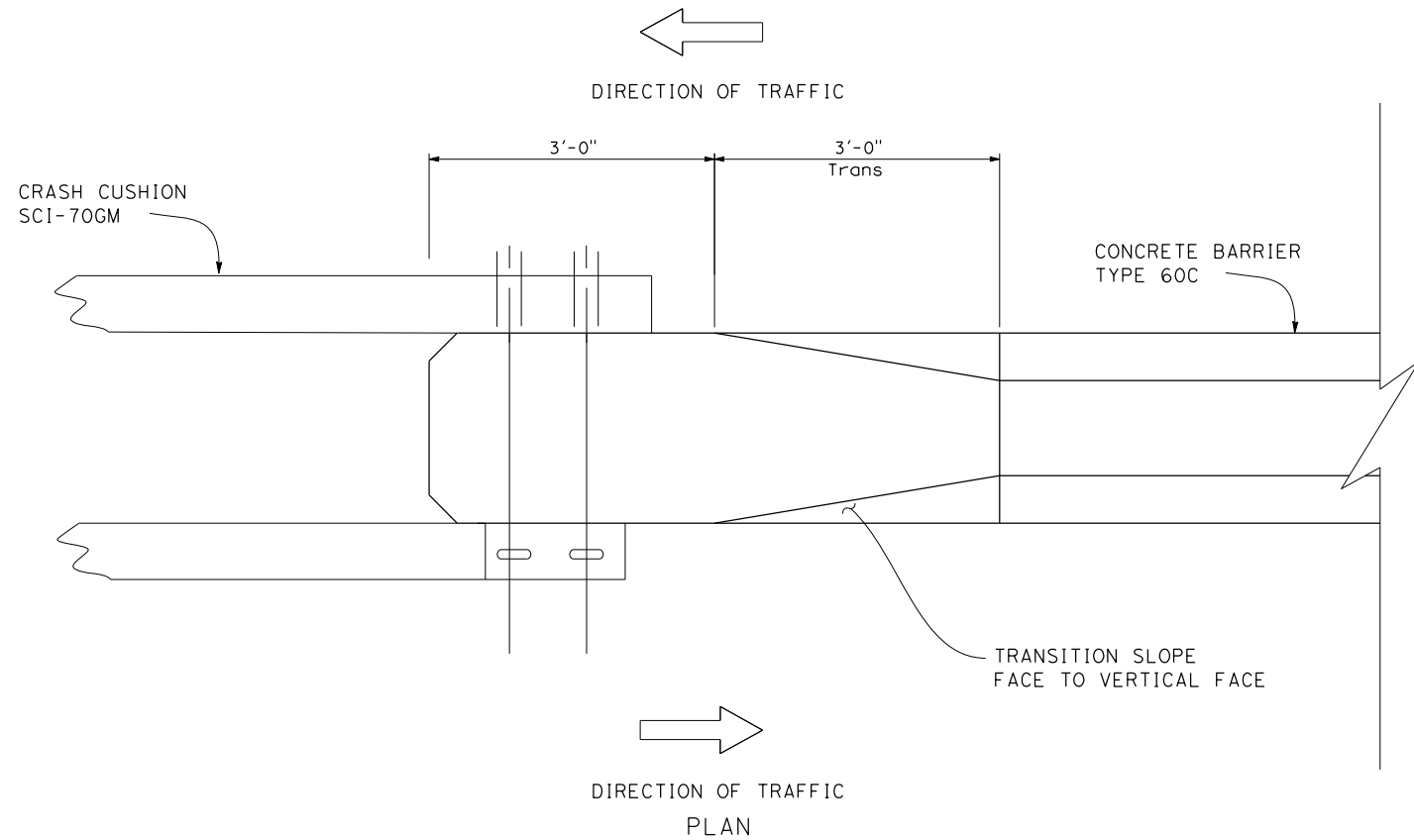
CONSTRUCTION DETAILS

NO SCALE

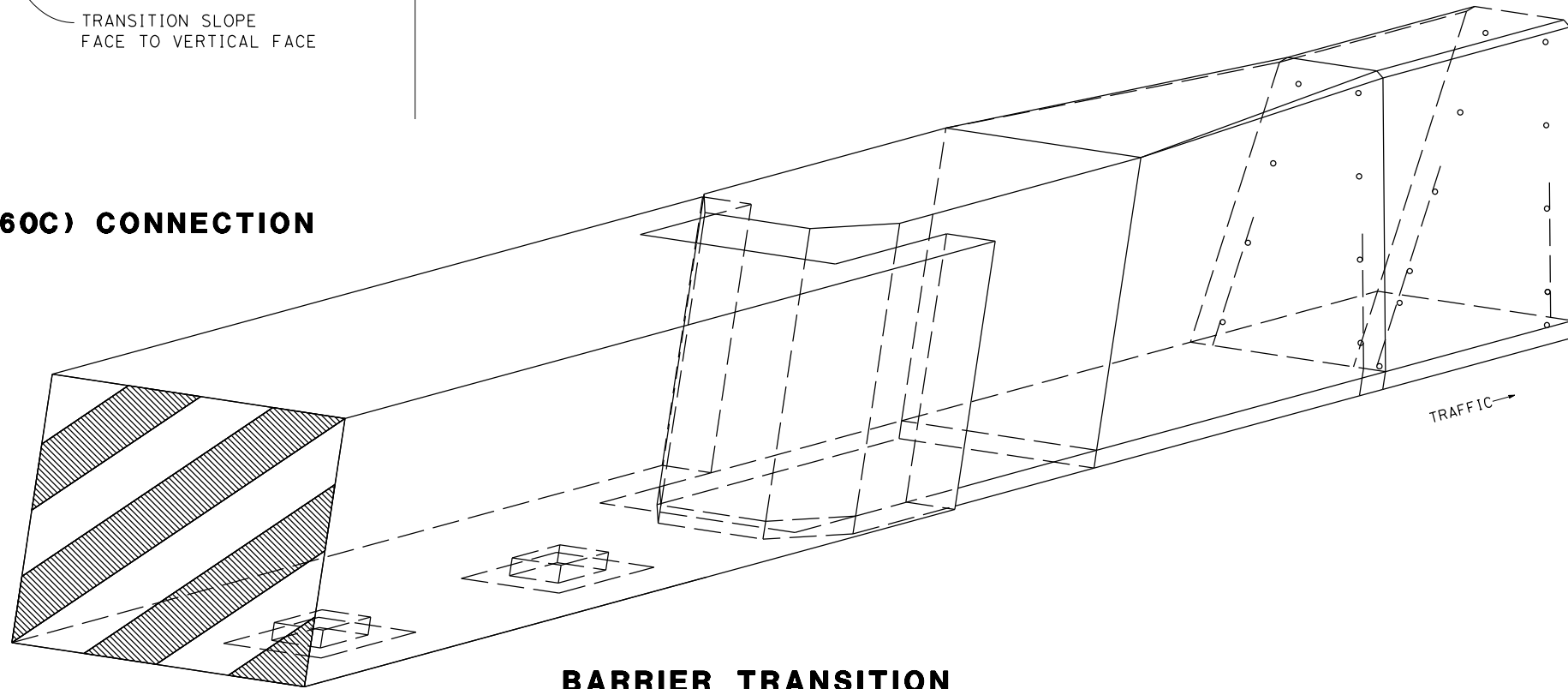
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| REVISIONS | DESIGNED BY: S. BARJOURD | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | | | | USERNAME => sdwyer |
| | DRAWN BY: S. BARJOURD | | | | | | | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |
| | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. |
| | APPROVED BY: D. DICKINSON | | | PLANS APPROVAL DATE | | | | |
| PROJECT DESCRIPTION YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | | SHEET NAME |
| | | | | | | | | SHEET NO. |
| | | | | | | | | TOTAL SHEETS |
| | | | | | | | | C-10 |
| | | | | | | | | 40 |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | | 0 1 2 3 | | | | LAST REVISION |
| | | | | | | | | DATE PLOTTED => 11/17/2019 |
| | | | | | | | | TIME PLOTTED => 10:34:28 PM |

NOTES:

1. SEE CONSTRUCTION DETAILS SHEETS FOR CONCRETE BARRIER LOCATIONS.



SCI-70GM CRASH CUSHION TO CB (60C) CONNECTION



BARRIER TRANSITION

SCI-70GM CRASH CUSHION TO CB TYPE 60C

CONSTRUCTION DETAILS

NO SCALE





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|---|------------------------------|------------------------------------|---------------------------|----------------------|--|--|--|---|
| REVISIONS | DESIGNED BY: S. DWYER | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | | | | USERNAME => sdwyer |
| | DRAWN BY: S. BARJOURD | | | | | | | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |
| | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. |
| | APPROVED BY: D. DICKINSON | | | PLANS APPROVAL DATE | | | | |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | | SHEET NAME |
| PROJECT DESCRIPTION | | | | | | | | SHEET NO. |
| | | | | | | | | TOTAL SHEETS |
| | | | | | | | | C-11 |
| | | | | | | | | 41 |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | | 0 1 2 3 | | | | LAST REVISION |
| | | | | | | | | DATE PLOTTED => 11/17/2019 |
| | | | | | | | | TIME PLOTTED => 10:34:29 PM |

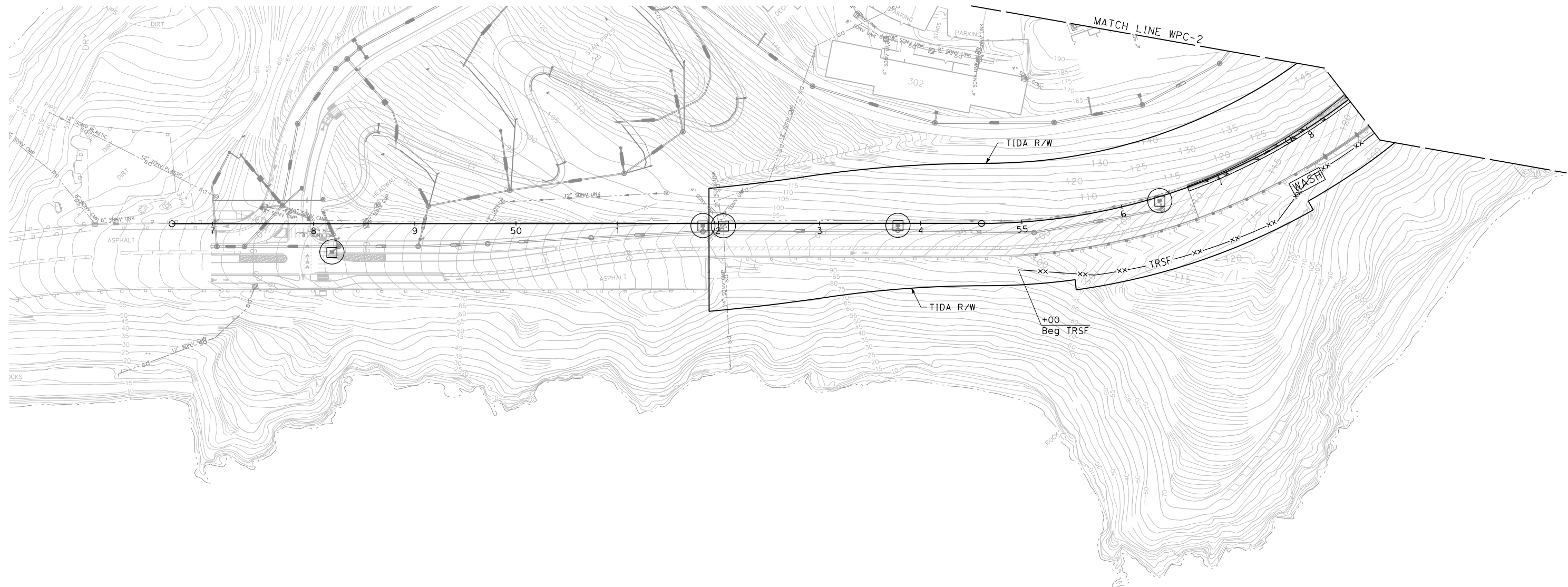
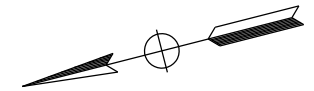
X:\YBI_STRUCTURE\000_CAD_Sheets\GA-Construction_Detail\YBISga011.dgn

NOTES:





1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. ADJUSTMENT/MODIFICATION OR ADDITIONAL WATER POLLUTION CONTROL MEASURES MAY BE NEEDED TO ADDRESS ACTUAL SITE CONDITIONS OR AS DIRECTED BY THE ENGINEER.
3. SEE CALTRANS STANDARD PLANS FOR TEMPORARY DRAINAGE INLET PROTECTION.

LEGEND:

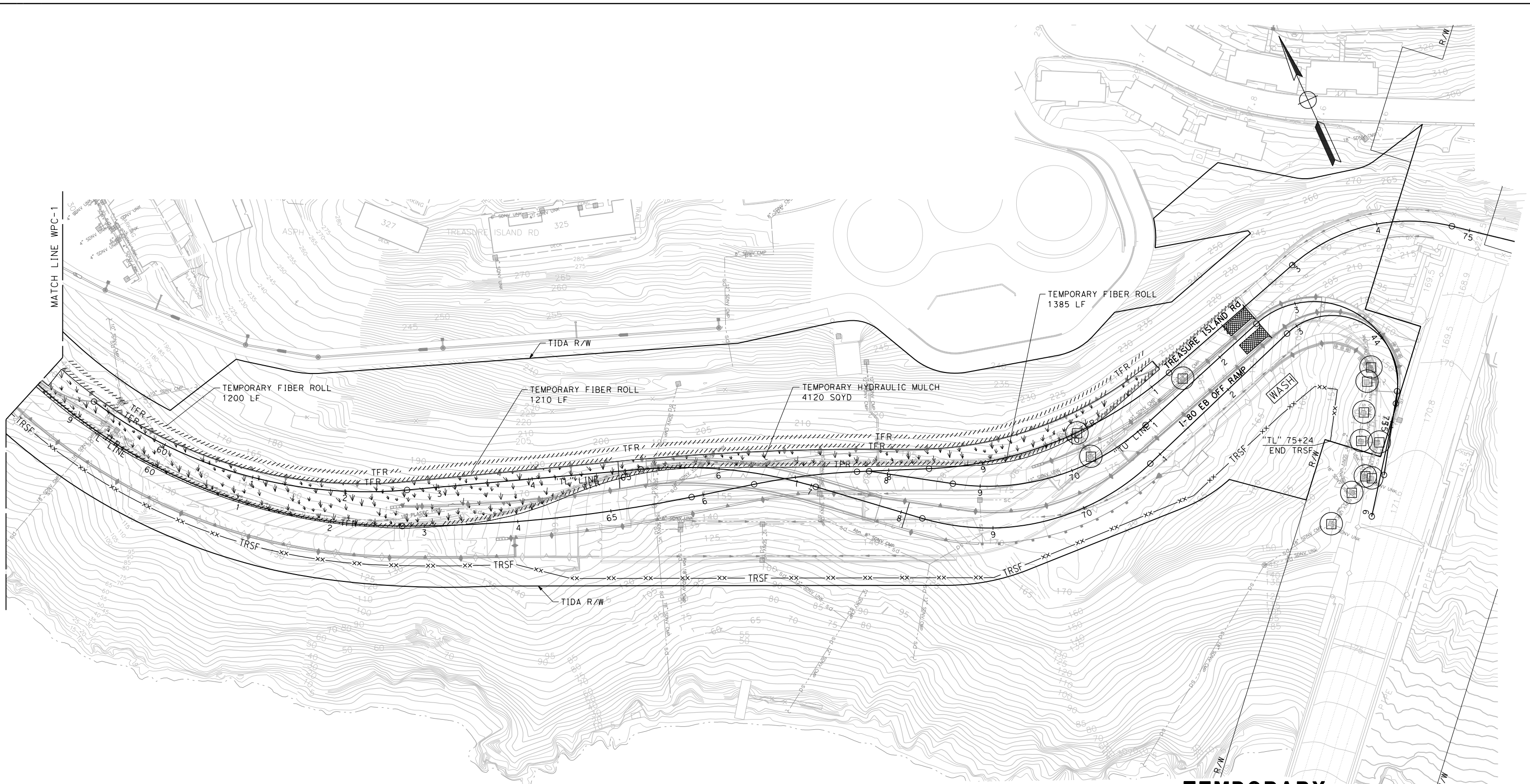
- //// TFR //// TEMPORARY FIBER ROLL
-  TEMPORARY DRAINAGE INLET PROTECTION
-  TEMPORARY CONCRETE WASHOUT
-  TEMPORARY CONSTRUCTION ENTRANCE
-  TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)



**TEMPORARY
WATER POLLUTION CONTROL PLAN
STAGE 1**
SCALE: 1" = 50'

| | | | | | | | | | |
|---|------|--|--|------------------------------------|---|--|---|---|--------------------------------|
| REVISOR | DATE | DESIGNED BY: D. GALVEZ DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| | | | | PLANS APPROVAL DATE | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | CADD FILENAME => YBISgb001.dgn |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | PROJECT DESCRIPTION | | | | | | CONTRACT NO. | |
| | | | | | | | | SHEET NAME SHEET NO. TOTAL SHEETS | |
| | | | | | | | | WPC-1 42 | |
| BORDER LAST REVISED 11/15/2019 | | | | RELATIVE BORDER SCALE IS IN INCHES | | 0 1 2 3 | | LAST REVISION DATE PLOTTED => 11/17/2019 | |
| | | | | | | | | 11-15-19 TIME PLOTTED => 10:34:32 PM | |






X:\YBI_STRUCTURE\000_CAD_Sheets\GB-WPC-Plans\YBISgb001.dgn

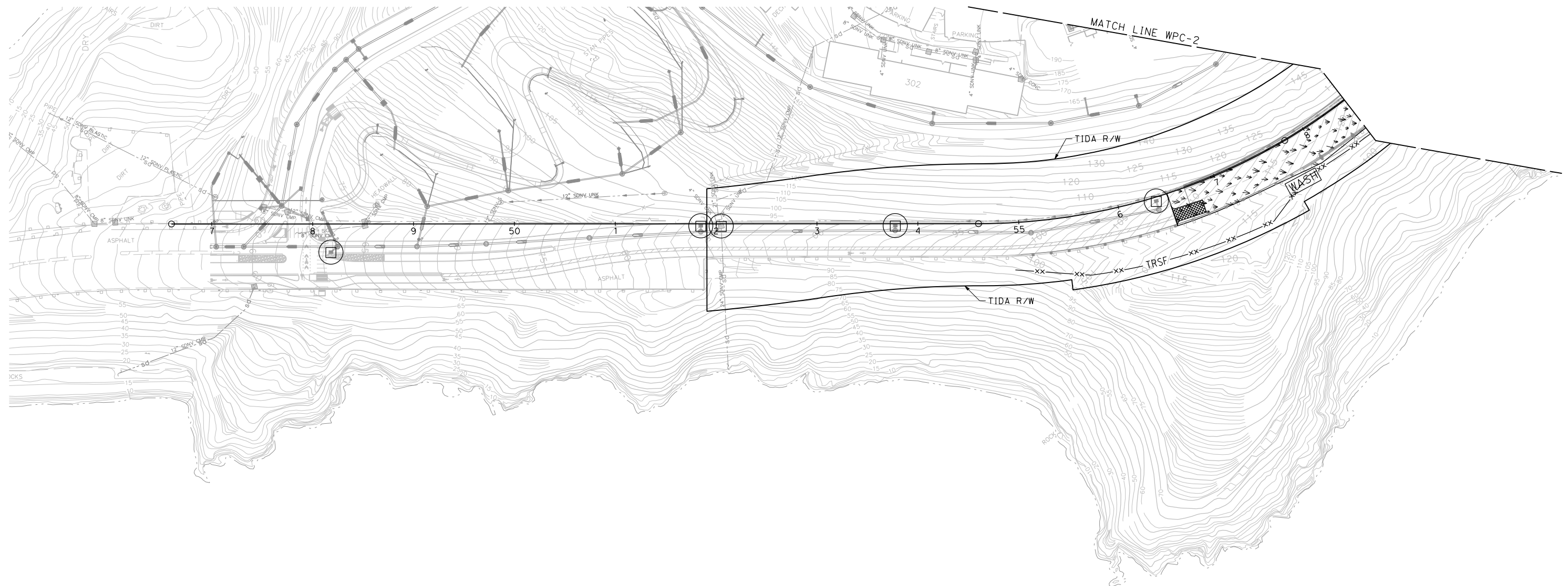
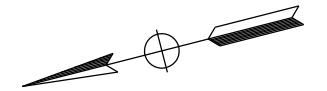


FOR NOTES, ABBREVIATIONS,
AND LEGEND, SEE SHEET WPC-1

TEMPORARY WATER POLLUTION CONTROL PLAN STAGE 1

SCALE: 1" = 50'

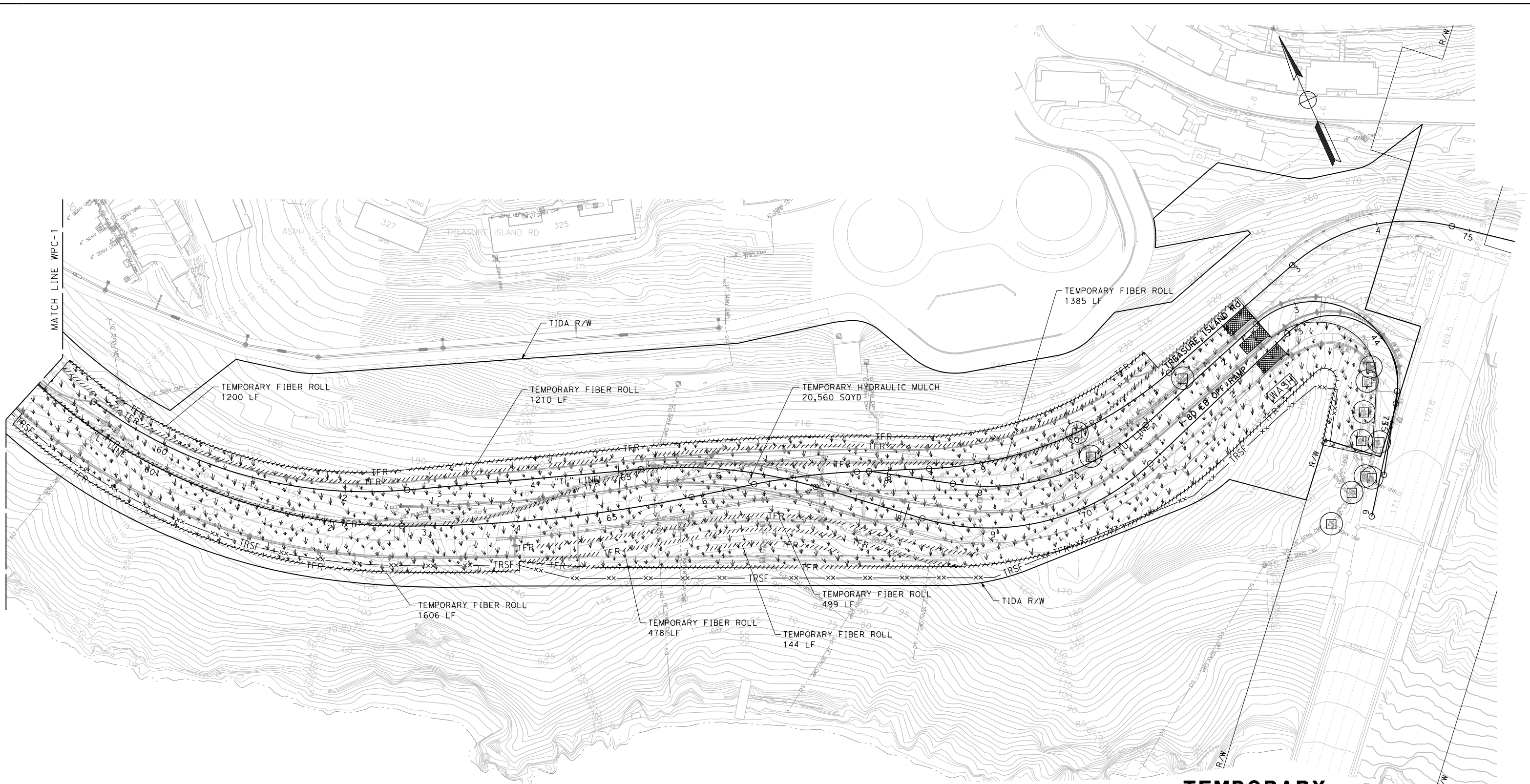
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|---|----------------------|--|--|--|---|--|---|---|---|------------|-----------|--------------|--------------|-----------|--|
| REVISED BY | DATE REVISED | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | DESIGNED BY: D. GALVEZ DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE PLANS APPROVAL DATE |  <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> |  |  | USERNAME => sdwyer CADD FILENAME => YBISgb002.dgn CONTRACT NO. <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">SHEET NAME</td> <td style="text-align: center;">SHEET NO.</td> <td style="text-align: center;">TOTAL SHEETS</td> </tr> <tr> <td style="text-align: center;">WPC-2</td> <td style="text-align: center;">43</td> <td></td> </tr> </table> | SHEET NAME | SHEET NO. | TOTAL SHEETS | WPC-2 | 43 | |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | | |
| WPC-2 | 43 | | | | | | | | | | | | | | |
| PROJECT DESCRIPTION BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES | |  | LAST REVISION 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:34:34 PM | | | | | | | | | |



**TEMPORARY
WATER POLLUTION CONTROL PLAN
STAGE 2**
SCALE: 1" = 50'

| | | | | | | | | | | | | |
|--------------------------------|-----------------------------|--|------------------------------------|--|---------------------------|--|---|--|---------------|---|------------|-----------------------------|
| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: D. GALVEZ | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer | | |
| | | | DRAWN BY: D. GALVEZ | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | | | CADD FILENAME => YBISgb003.dgn | | |
| | | | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. | | |
| | | | APPROVED BY: D. DICKINSON | | | | | | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>WPC-3</td> <td>44</td> <td></td> </tr> </table> | SHEET NAME | SHEET NO. |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | |
| WPC-3 | 44 | | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES | | | | <table border="1"> <tr> <td>LAST REVISION</td> <td>DATE PLOTTED => 11/17/2019</td> </tr> <tr> <td>11-15-19</td> <td>TIME PLOTTED => 10:34:36 PM</td> </tr> </table> | | LAST REVISION | DATE PLOTTED => 11/17/2019 | 11-15-19 | TIME PLOTTED => 10:34:36 PM |
| LAST REVISION | DATE PLOTTED => 11/17/2019 | | | | | | | | | | | |
| 11-15-19 | TIME PLOTTED => 10:34:36 PM | | | | | | | | | | | |





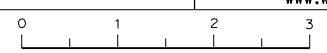
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FOR NOTES, ABBREVIATIONS,
AND LEGEND, SEE SHEET WPC-1

TEMPORARY WATER POLLUTION CONTROL PLAN STAGE 2

SCALE: 1" = 50'

| | | | | | | | | | | | | | | | |
|---|----------------------|--|--|--|--|--|---|---|---|------------|-----------|--------------|--------------|-----------|--|
| REVISED BY | DATE REVISED | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | DESIGNED BY: D. GALVEZ DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE PLANS APPROVAL DATE |  <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> |  |  | USERNAME => sdwyer CADD FILENAME => YBISgb004.dgn CONTRACT NO. <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">SHEET NAME</td> <td style="text-align: center;">SHEET NO.</td> <td style="text-align: center;">TOTAL SHEETS</td> </tr> <tr> <td style="text-align: center;">WPC-4</td> <td style="text-align: center;">45</td> <td></td> </tr> </table> | SHEET NAME | SHEET NO. | TOTAL SHEETS | WPC-4 | 45 | |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | | |
| WPC-4 | 45 | | | | | | | | | | | | | | |
| PROJECT DESCRIPTION BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES  | | | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | | LAST REVISION 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:34:39 PM | | | | | | |






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**TEMPORARY
WATER POLLUTION CONTROL QUANTITIES**

| SHEET No. | TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX) | TEMPORARY DRAINAGE INLET PROTECTION | TEMPORARY FIBER ROLL | TEMPORARY REINFORCED SILT FENCE | TEMPORARY CONSTRUCTION ENTRANCE | TEMPORARY CONCRETE WASHOUT | MOVE-IN / MOVE-OUT (TEMPORARY EROSION CONTROL) |
|--------------|---|-------------------------------------|----------------------|---------------------------------|---------------------------------|----------------------------|--|
| | SQYD | EA | | LF | | EA | |
| WPC-1 | 4,120 | 5 | 3,795 | 1,971 | 0 | 1 | 1 |
| WPC-2 | | 12 | | | 2 | 1 | |
| WPC-3 | 20,560 | 0 | 6,522 | | 1 | 1 | 2 |
| WPC-4 | | 0 | | | 1 | 1 | 2 |
| | | | | | | | |
| SUBTOTAL | 24,680 | 17 | 10,317 | 1,971 | 4 | 4 | 5 |
| SUPPLEMENTAL | 74,040 | | | | | | |
| TOTAL | 98,720 | 17 | 10,317 | 1,971 | 4 | 4 | 5 |

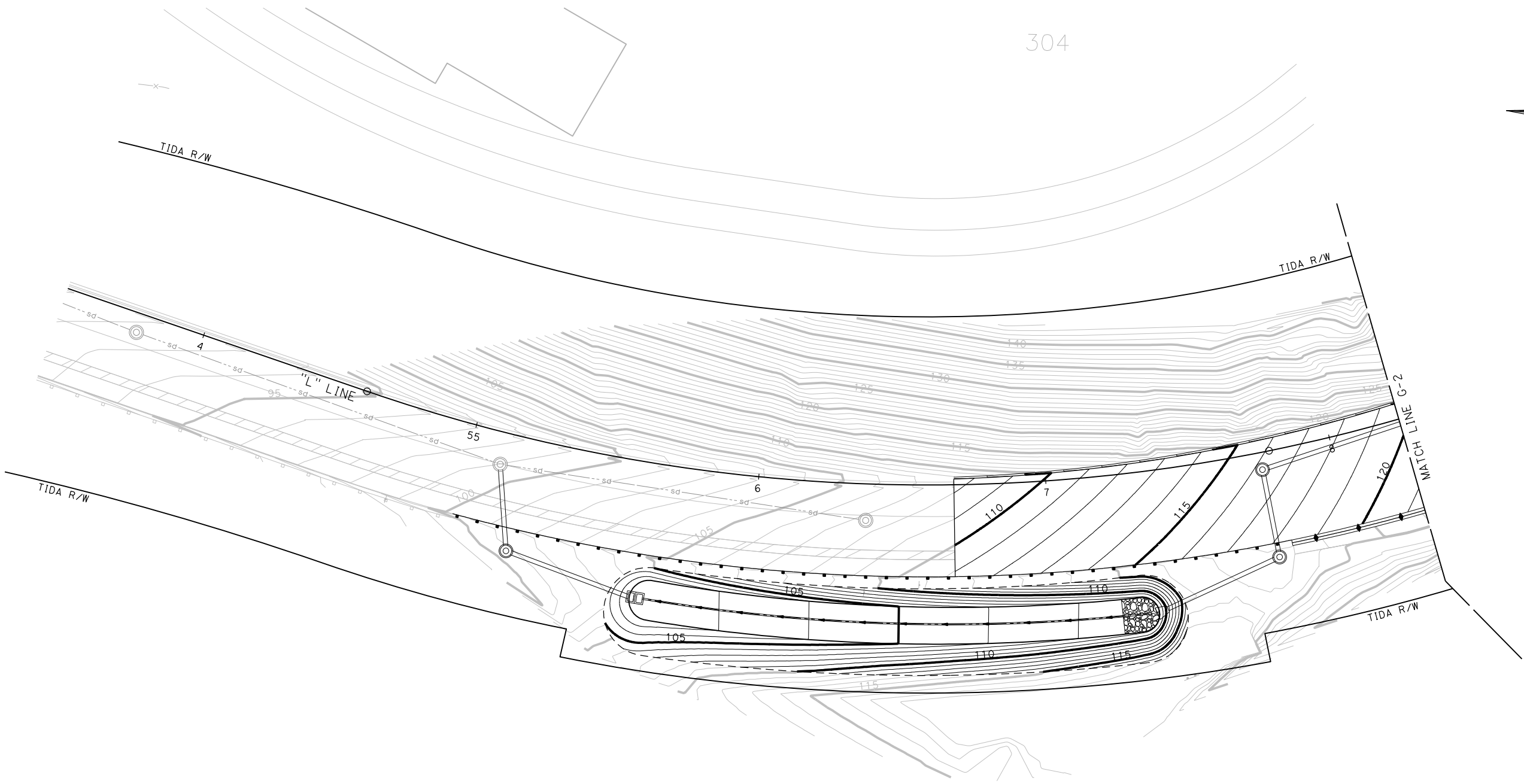
**TEMPORARY
WATER POLLUTION CONTROL QUANTITIES**

NO SCALE

| | | | | | | | | | | |
|--------------------------------|--------------|--|------------------------------------|--|---|--|--|---|---|--|
| REVISOR | DATE REVISOR | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: D. GALVEZ |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| | | | DRAWN BY: D. GALVEZ | | | | | | | CADD FILENAME => YBISgd001.dgn |
| | | | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. |
| | | | APPROVED BY: D. DICKINSON | | PLANS APPROVAL DATE | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | SHEET NAME SHEET NO. TOTAL SHEETS WPCQ-1 46 |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES | |  | | LAST REVISION DATE PLOTTED => 11/17/2019 11-15-19 TIME PLOTTED => 10:34:41 PM | | | |

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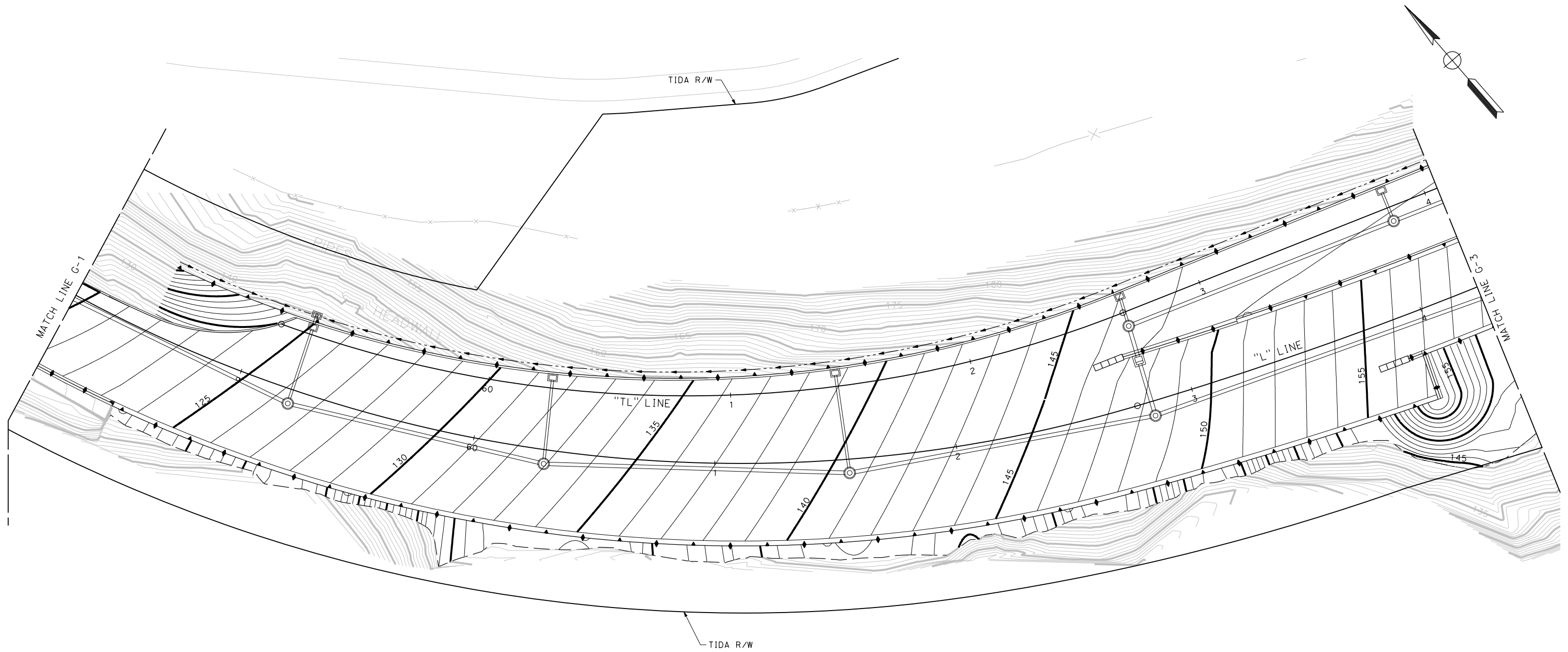
304







CONTOUR GRADING
SCALE: 1" = 20'

| | | | | | | | | | | |
|--|------------------------------|------------------------------------|---------------------------|---|--|---|--|---|------------|-----------|
| REVISIONS | DESIGNED BY: S. DWYER | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer | | |
| | DRAWN BY: S. DWYER | | | | | | | CADD FILENAME => YBISha001.dgn | | |
| | CHECKED BY: D. DICKINSON | | PLANS APPROVAL DATE | <p><i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i></p> | | | | CONTRACT NO. | | |
| | APPROVED BY: D. DICKINSON | | | | | | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>G-1</td> <td>47</td> <td></td> </tr> </table> | SHEET NAME | SHEET NO. |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | |
| G-1 | 47 | | | | | | | | | |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | | REGISTERED CIVIL ENGINEER | | PLANS SUBMITTAL DATE | | SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY | | LAST REVISION 11-15-19 | | |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | | | | DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:59:01 PM | | | | |

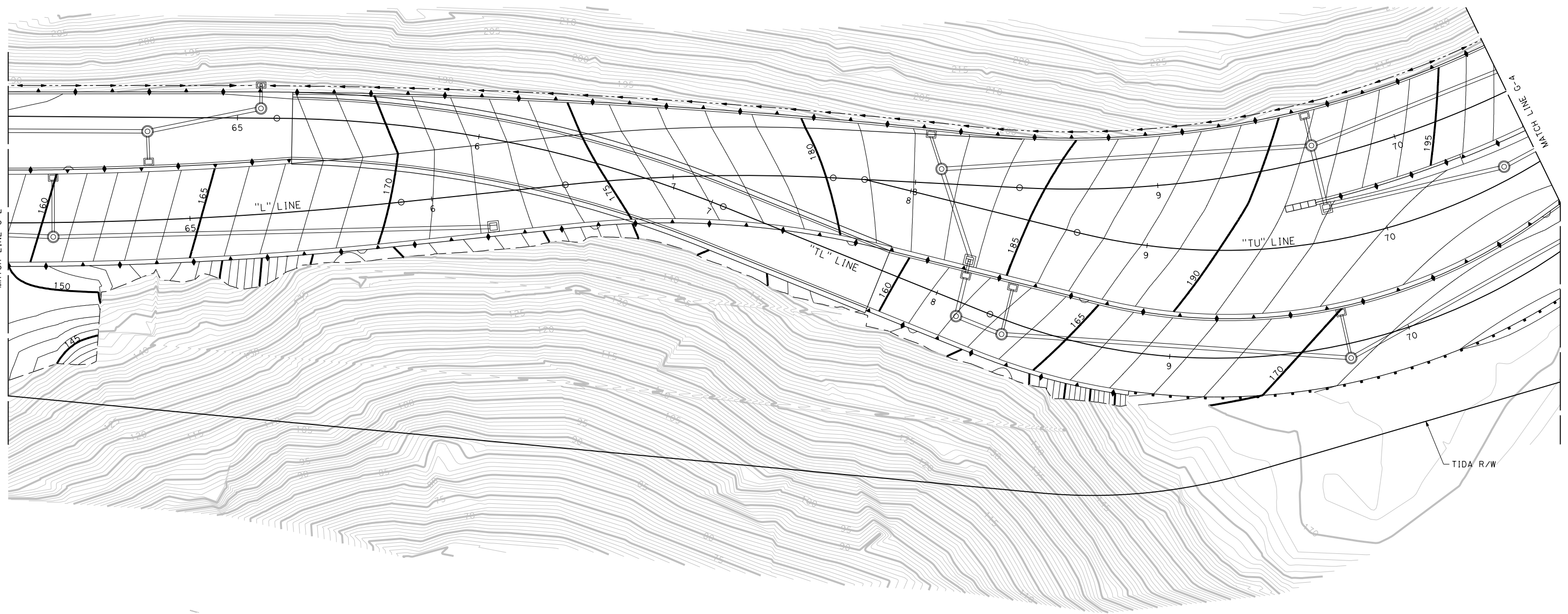
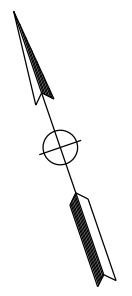
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CONTOUR GRADING
SCALE: 1" = 20'

| | | | | | | | | | | |
|---|------------------------------|--|------------------------------------|----------------------|--|---|---|-----------------------------------|-----------------------------|--------------|
| REVISIONS | DESIGNED BY: S. DWYER |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | | |
| | DRAWN BY: S. DWYER | | | | | | | CADD FILENAME => YB1Sha002.dgn | | |
| | CHECKED BY: D. DICKINSON | | PLANS APPROVAL DATE | | | | | CONTRACT NO. | | |
| | APPROVED BY: D. DICKINSON | | | | | | | | | |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | | SHEET NAME | SHEET NO. | TOTAL SHEETS |
| PROJECT DESCRIPTION | | | | | | | | G-2 | 48 | |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES | | 0 1 2 3 | | | LAST REVISION | DATE PLOTTED => 11/17/2019 | |
| | | | | | | | | 11-15-19 | TIME PLOTTED => 10:59:02 PM | |

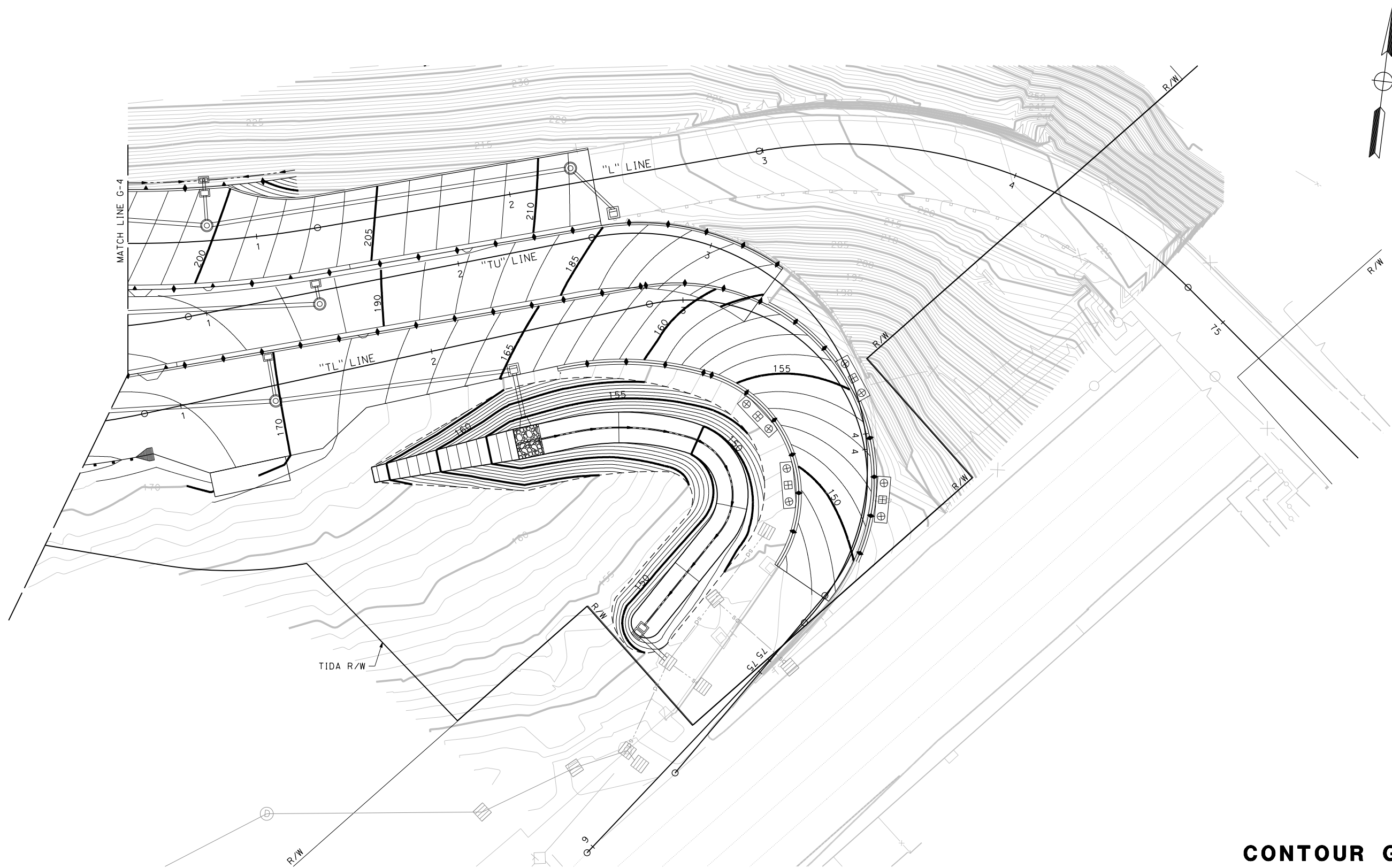
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CONTOUR GRADING
SCALE: 1" = 20'

| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: S. DWYER | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | | USERNAME => sdwyer | |
|--------------------------------|-----------|--|------------------------------------|--|---------------------------|--|---|--|--|---|------------|
| | | | DRAWN BY: S. DWYER | | | | | | | CADD FILENAME => YB1Sha003.dgn | |
| | | | CHECKED BY: D. DICKINSON | | | | | | | CONTRACT NO. | |
| | | | APPROVED BY: D. DICKINSON | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | | | <table border="1"> <tr> <th>SHEET NAME</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> <tr> <td>G-3</td> <td>49</td> <td></td> </tr> </table> | SHEET NAME |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | |
| G-3 | 49 | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES | | | | LAST REVISION 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:59:04 PM | | | | |

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CONTOUR GRADING
SCALE: 1" = 20'

| REVISIONS | DESIGNED BY: S. DWYER | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer | | | | | | |
|--|------------------------------|------------------------------------|---------------------------|---|--|--|--|---|------------|-----------|--------------|------------|-----------|--|
| | DRAWN BY: S. DWYER | | | | | | | CADD FILENAME => YBISha004.dgn | | | | | | |
| | CHECKED BY: D. DICKINSON | | | | | | | CONTRACT NO. | | | | | | |
| | APPROVED BY: D. DICKINSON | | PLANS APPROVAL DATE | <p><i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i></p> | | | | | | | | | | |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | | | | | | | | <table border="1"> <tr> <th>SHEET NAME</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> <tr> <td>G-4</td> <td>50</td> <td></td> </tr> </table> | SHEET NAME | SHEET NO. | TOTAL SHEETS | G-4 | 50 | |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | |
| G-4 | 50 | | | | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | | | | LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:59:06 PM | | | | | | | | |

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NOTES:

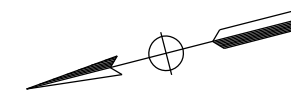
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- STATION AND OFFSET TIES FOR DRAINAGE STRUCTURES ARE MEASURED PER DETAILS ON SHEET DD-1.
- LOCATIONS OF EXISTING DRAINAGE FACILITIES ARE APPROXIMATE. VERIFY LOCATION AND ELEVATION OF EXISTING DRAINAGE FACILITIES PRIOR TO MODIFYING.
- SEE STRUCTURE PLANS FOR BRIDGE DECK DRAINAGE SYSTEM.
- SEE STRUCTURE PLANS FOR RETAINING WALL GUTTER FLOW LINE.

LEGEND:

- BIOFILTRATION SWALE
- DITCH/GUTTER
- DRAINAGE INLET
- MANHOLE
- ROCK SLOPE PROTECTION

ABBREVIATIONS:

- | | | | |
|------|--------------------------|-----|--------------------------|
| BSW | BIOFILTRATION SWALE | PP | PLASTIC PIPE |
| CWSP | COATED WELDED STEEL PIPE | PPP | PERFORATED PLASTIC PIPE |
| DI | DRAINAGE INLET | RCP | REINFORCED CONCRETE PIPE |
| FES | FLARED END SECTION | Rem | REMOVE |
| MH | MANHOLE | RSP | ROCK SLOPE PROTECTION |
| | | ID | INLET DEPRESSION |
| | | TCD | TRASH CAPTURE DEVICE |



FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET D-1

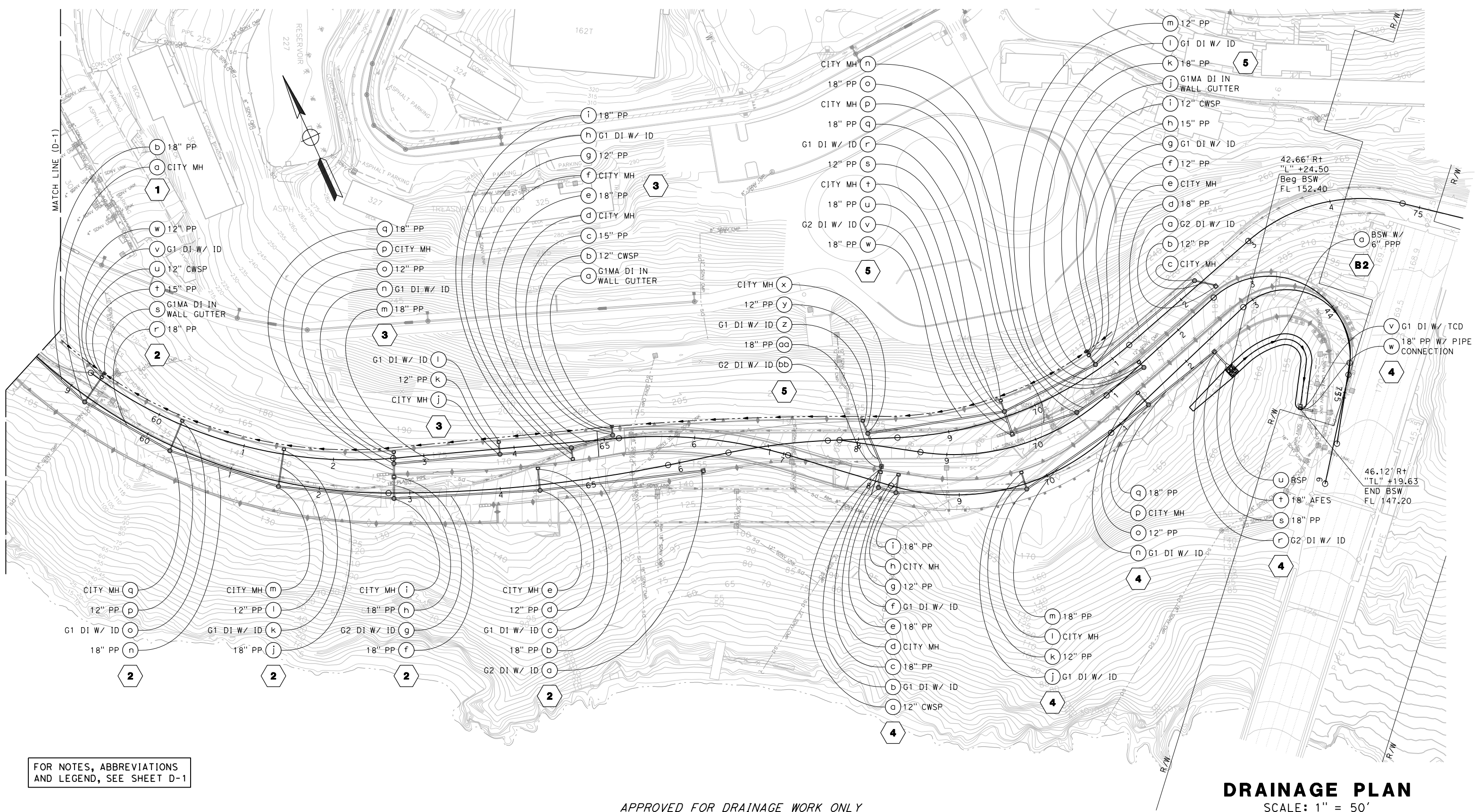
APPROVED FOR DRAINAGE WORK ONLY

DRAINAGE PLAN
SCALE: 1" = 50'

| | | | | | | | | | |
|--------------------------------|------|--|--|------------------------------------|---|---|--|--|-------------------------------|
| REVISOR | DATE | DESIGNED BY: S. DWYER DRAWN BY: S. DWYER CHECKED BY: D. DICKINSON APPROVED BY: D. DICKINSON | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | | USERNAME => sdwyer |
| | | | | PLANS APPROVAL DATE | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | CADD FILENAME => YBISI001.dgn |
| PROJECT DESCRIPTION | | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | CONTRACT NO. | |
| BORDER LAST REVISED 11/15/2019 | | | | RELATIVE BORDER SCALE IS IN INCHES | | | | SHEET NAME: D-1 SHEET NO.: 51 TOTAL SHEETS: | |
| | | | | | | | | LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:34:43 PM | |

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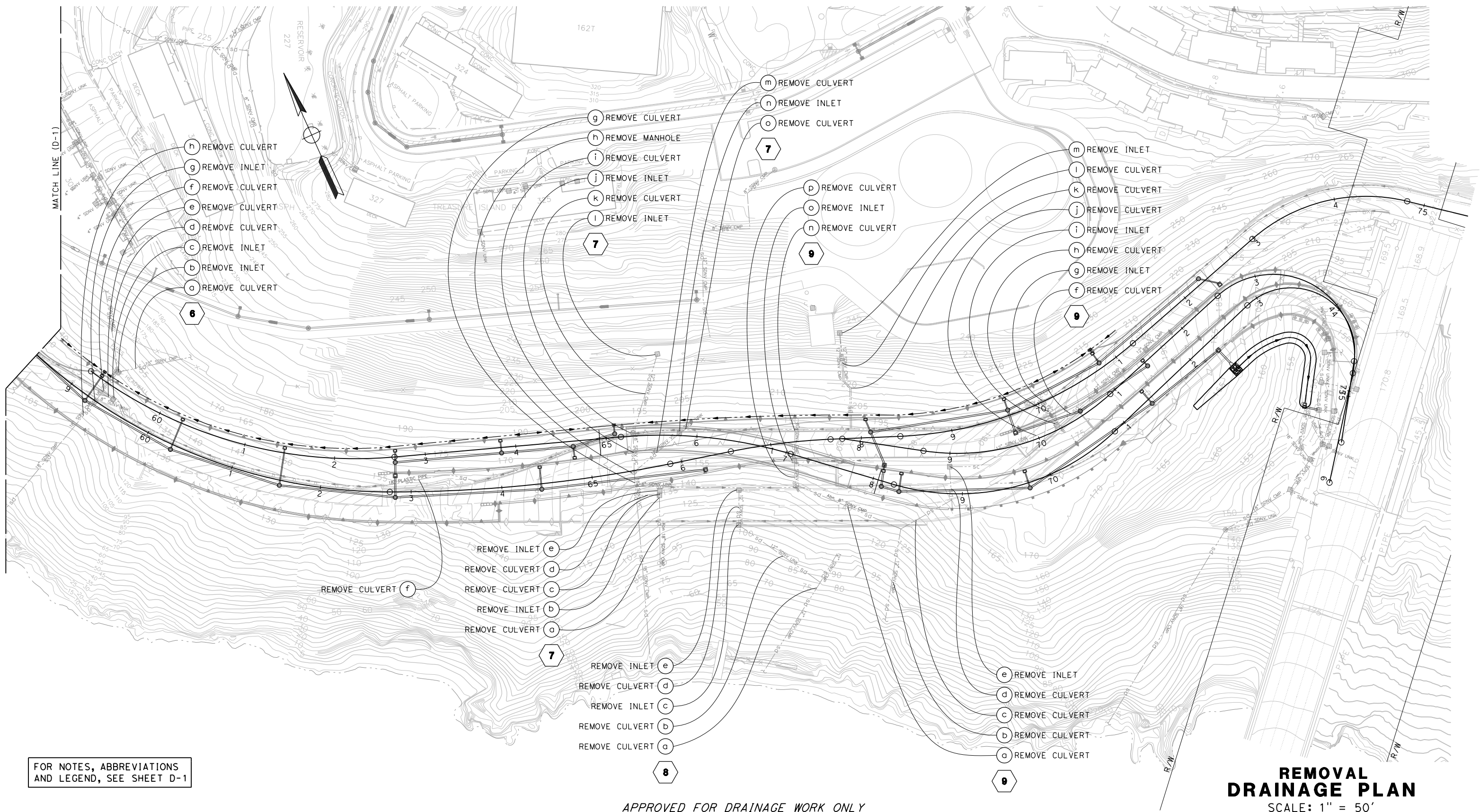


FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET D-1

APPROVED FOR DRAINAGE WORK ONLY

DRAINAGE PLAN
SCALE: 1" = 50'






| | | | | | | | | | |
|---|--------------|--|--|---------------------------|---|--|---|---|--------------------------------|
| REVISED BY | DATE REVISED | DESIGNED BY: S. DWYER DRAWN BY: S. DWYER CHECKED BY: D. DICKINSON APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | PLANS APPROVAL DATE | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | CADD FILENAME => YB1S1a002.dgn |
| PROJECT DESCRIPTION | | | | | | | | | CONTRACT NO. |
| BORDER LAST REVISED 11/15/2019 | | | | | RELATIVE BORDER SCALE IS IN INCHES | 0 1 2 3 | | | SHEET NAME |
| | | | | | | | | | SHEET NO. |
| | | | | | | | | | TOTAL SHEETS |
| | | | | | | | | | D-2 |
| | | | | | | | | | 52 |
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| | | | | | | | | | DATE PLOTTED => 11/17/2019 |
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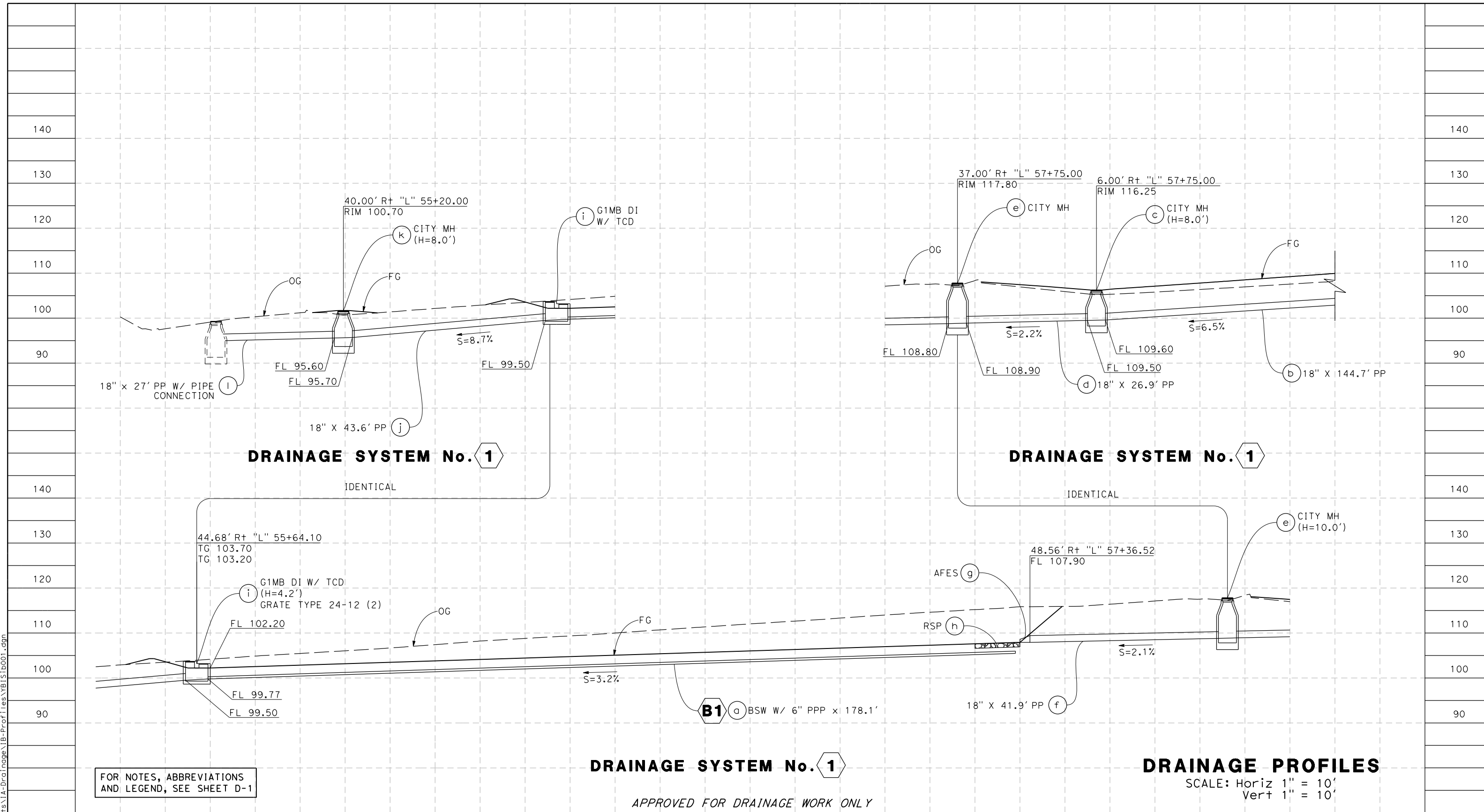


FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET D-1

APPROVED FOR DRAINAGE WORK ONLY

REMOVAL DRAINAGE PLAN
SCALE: 1" = 50'

| | | | | | | | | | |
|---|--------------|---------------------------|--|------------------------------------|----------------------|--|---|--|---|
| REVISED BY | DATE REVISED | DESIGNED BY: D. GALVEZ |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | | | CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |
| PROJECT DESCRIPTION | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | | RELATIVE BORDER SCALE IS IN INCHES | |  | | SHEET NAME: D-3 SHEET NO.: 53 TOTAL SHEETS: 53 LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:34:47 PM | |



FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET D-1

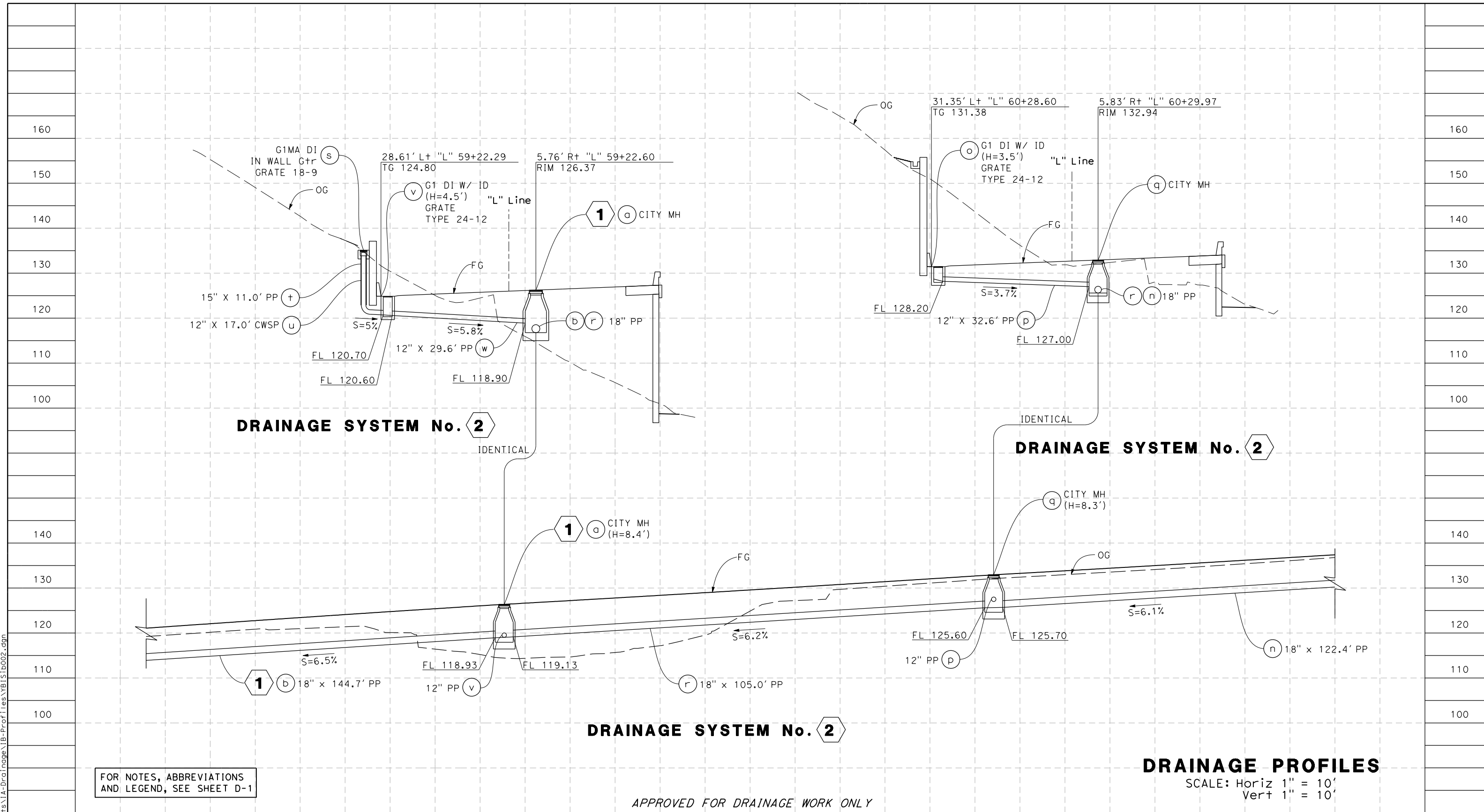
DRAINAGE SYSTEM No. 1

APPROVED FOR DRAINAGE WORK ONLY

DRAINAGE PROFILES

SCALE: Horiz 1" = 10'
Vert 1" = 10'





| | | | | | | | | |
|---|------|---|--|--|---|--|--|--------------------------------|
| REVISOR | DATE | DESIGNED BY: S. DWYER DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON | | REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE PLANS APPROVAL DATE | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | | USERNAME => sdwyer |
| | | | | | | | | CADD FILENAME => YBIS1b001.dgn |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | | CONTRACT NO. |
| PROJECT DESCRIPTION | | | | | | | | SHEET NAME |
| | | | | | | | | SHEET NO. |
| | | | | | | | | TOTAL SHEETS |
| | | | | | | | | DP-1 |
| | | | | | | | | 54 |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | | 0 1 2 3 | | | | LAST REVISION |
| | | | | | | | | DATE PLOTTED => 11/17/2019 |
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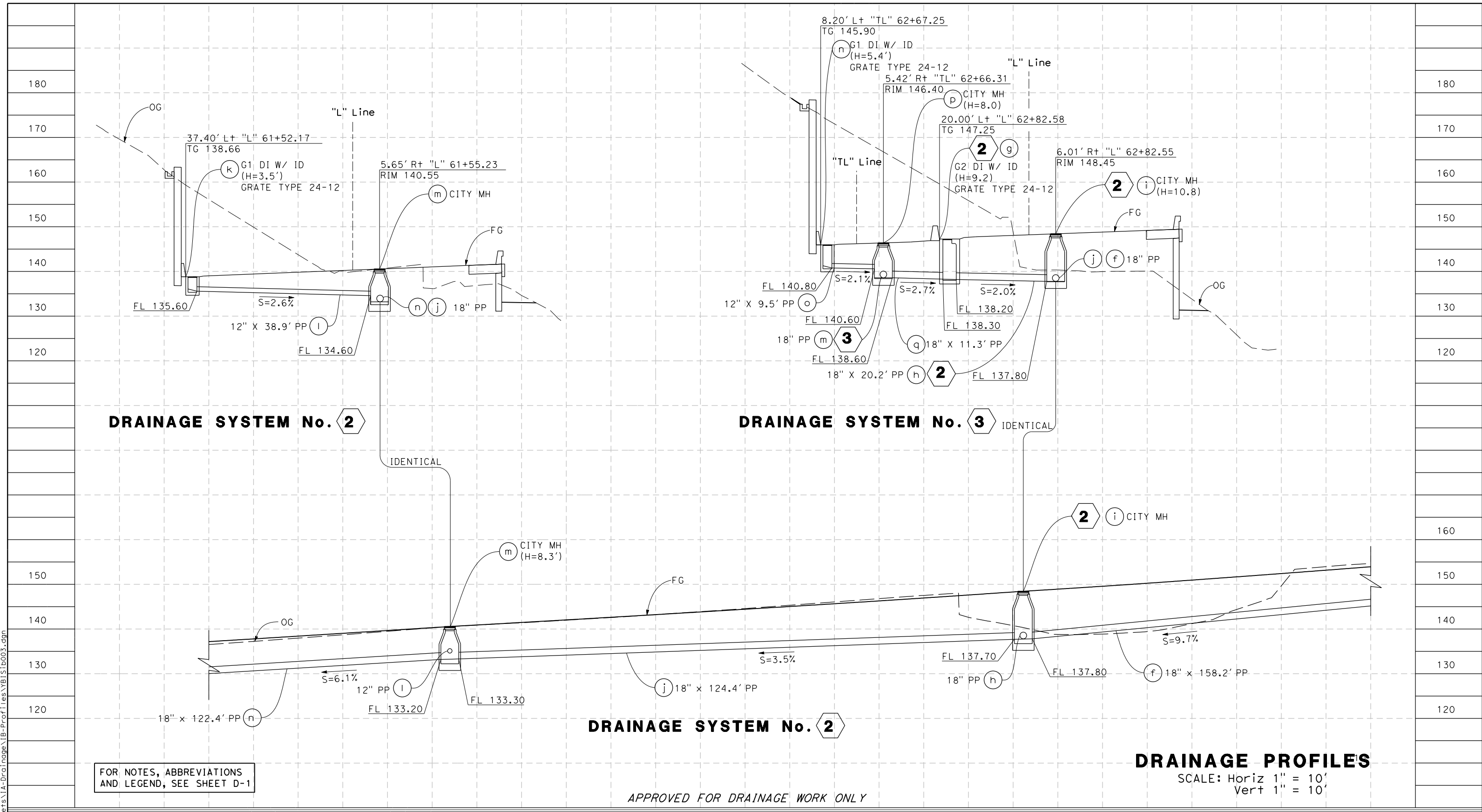


FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET D-1

APPROVED FOR DRAINAGE WORK ONLY

DRAINAGE PROFILES
 SCALE: Horiz 1" = 10'
 Vert 1" = 10'





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|---|------|---|--|---------------------------|----------------------|--|---|---|---|
| REVISOR | DATE | DESIGNED BY: S. DWYER DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| | | | | PROJECT DESCRIPTION | PLANS APPROVAL DATE | | | | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | | | SHEET NAME |
| BORDER LAST REVISED 11/15/2019 | | | | | | | | | SHEET NO. |
| | | | | | | | | | TOTAL SHEETS |
| | | | | | | | | | DP-2 |
| | | | | | | | | | 55 |
| | | | | | | | | | LAST REVISION |
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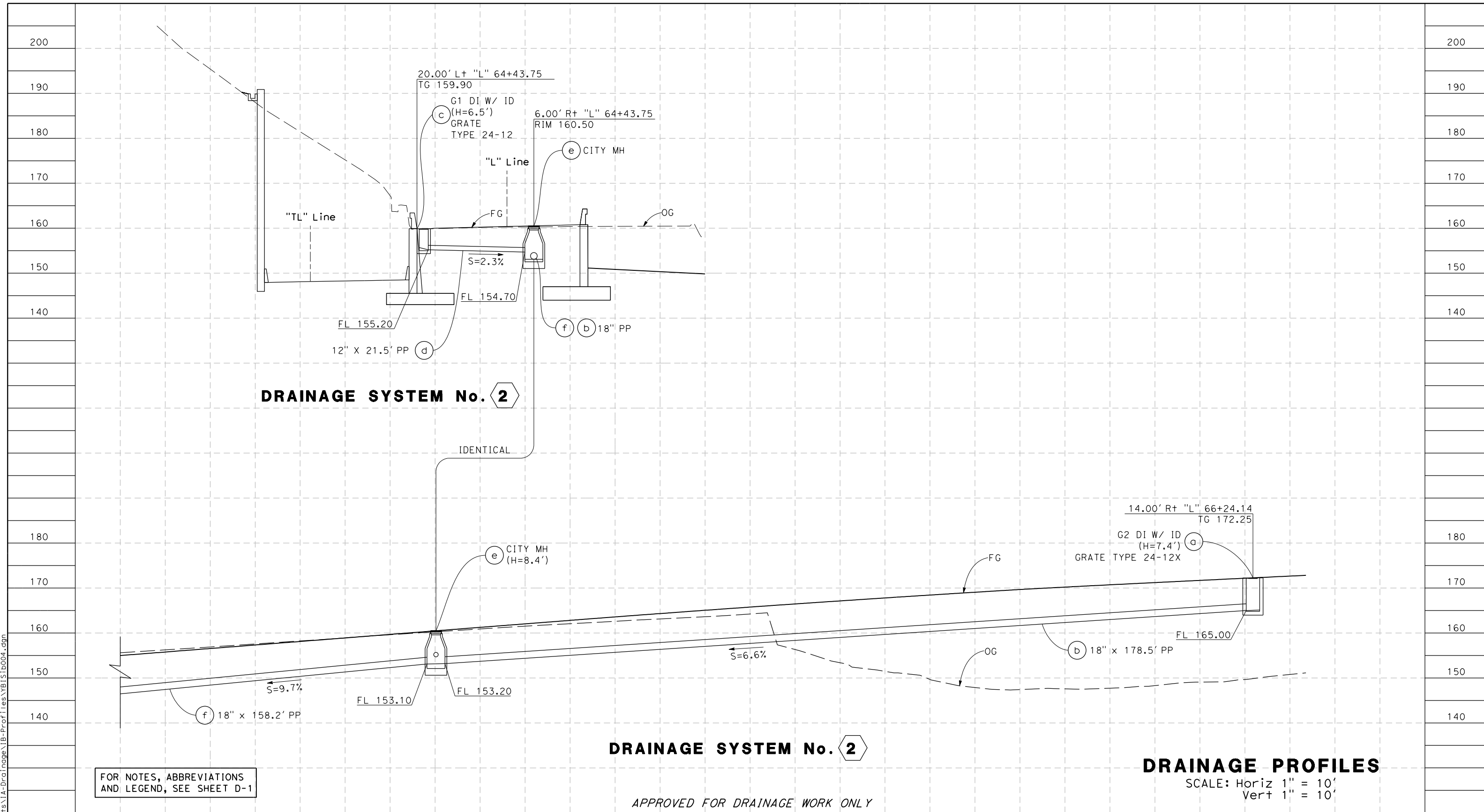


FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET D-1

APPROVED FOR DRAINAGE WORK ONLY

DRAINAGE PROFILES
 SCALE: Horiz 1" = 10'
 Vert 1" = 10'

| REVISOR | DATE | DESIGNED BY: S. DWYER DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | |
|---|-----------|---|--|------------------------------------|--|--|---|---|--------------------------------|-----------|
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | PLANS APPROVAL DATE | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | CADD FILENAME => YBISib003.dgn | |
| PROJECT DESCRIPTION | | | | RELATIVE BORDER SCALE IS IN INCHES | <table border="1"> <tr> <th>SHEET NAME</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> <tr> <td>DP-3</td> <td>56</td> <td></td> </tr> </table> | | | | SHEET NAME | SHEET NO. |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | |
| DP-3 | 56 | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | | LAST REVISION | DATE PLOTTED => 11/17/2019 | | | TIME PLOTTED => 10:34:52 PM | | |



DRAINAGE SYSTEM No. 2





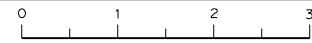
DRAINAGE SYSTEM No. 2

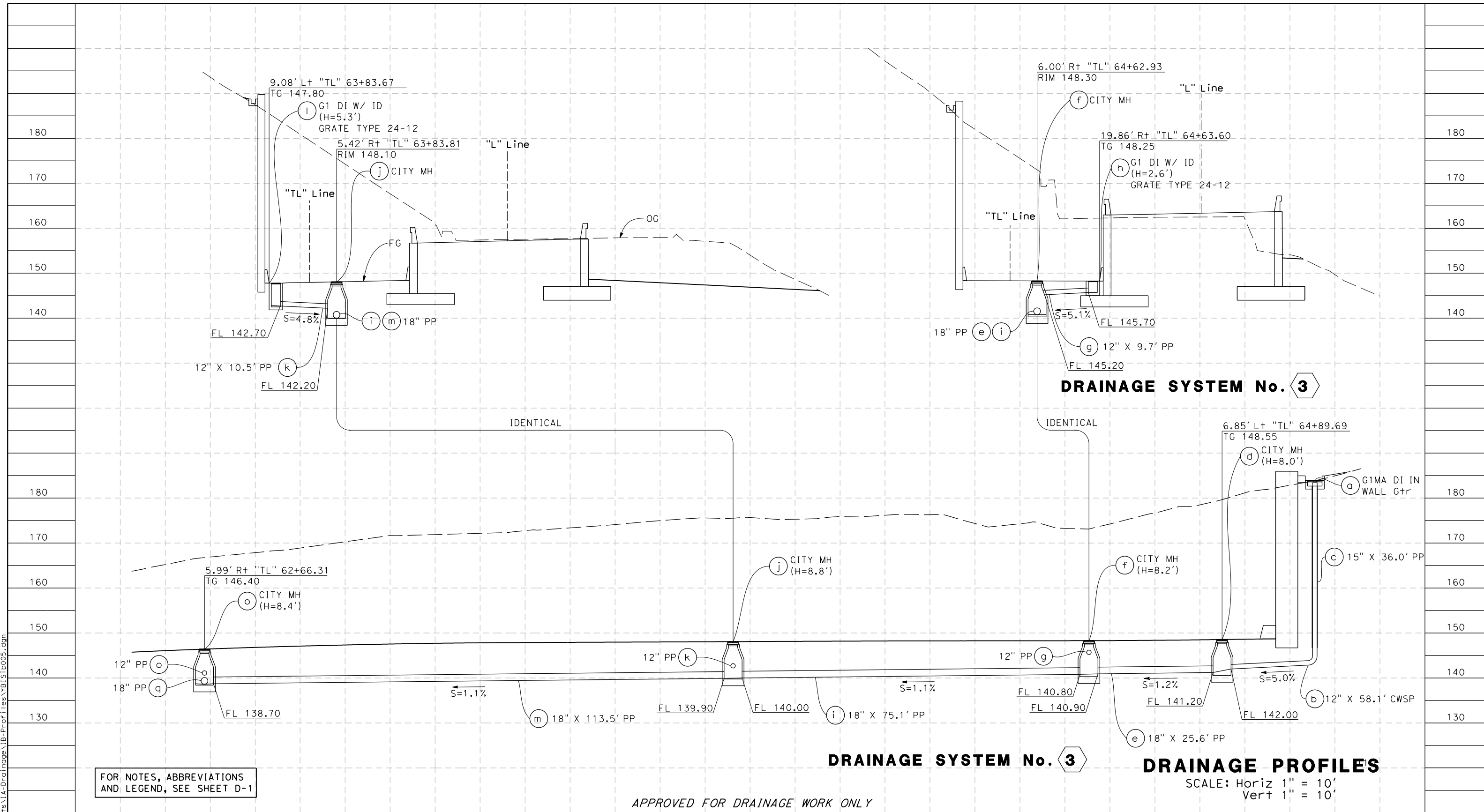
DRAINAGE PROFILES

SCALE: Horiz 1" = 10'
Vert 1" = 10'

FOR NOTES, ABBREVIATIONS
AND LEGEND, SEE SHEET D-1

APPROVED FOR DRAINAGE WORK ONLY

| | | | | | | | | | |
|--------------------------------|------|---|--|--|--|---|---|--|---|
| REVISOR | DATE | DESIGNED BY: S. DWYER DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE PLANS APPROVAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer CADD FILENAME => YBISib004.dgn CONTRACT NO. | |
| | | | | | | | | PROJECT DESCRIPTION YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | SHEET NAME DP-4 |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES  | | | LAST REVISION 11-15-19 | | | DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:34:54 PM |







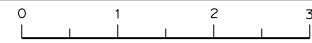
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET D-1

DRAINAGE SYSTEM No. 3

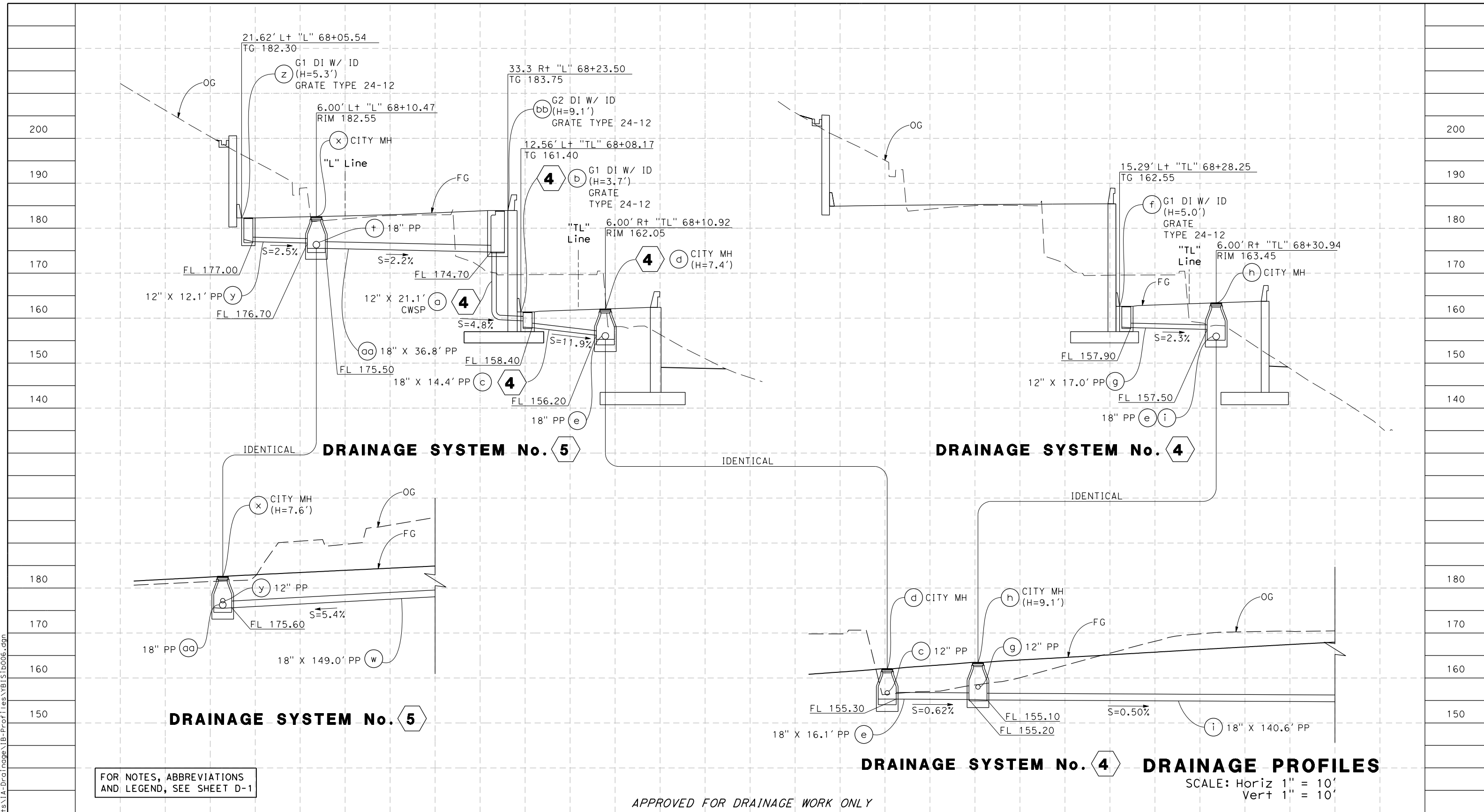
DRAINAGE PROFILES

SCALE: Horiz 1" = 10'
Vert 1" = 10'

APPROVED FOR DRAINAGE WORK ONLY

| | | | | | | | | | |
|---------------------|------|---|--|------------------------------------|---|--|---|---|--|
| REVISOR | DATE | DESIGNED BY: S. DWYER DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| | | | | PLANS APPROVAL DATE | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | CADD FILENAME => YBISib005.dgn CONTRACT NO. |
| PROJECT DESCRIPTION | | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | RELATIVE BORDER SCALE IS IN INCHES | |  | | SHEET NAME: DP-5 SHEET NO.: 58 TOTAL SHEETS: | LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:34:55 PM |

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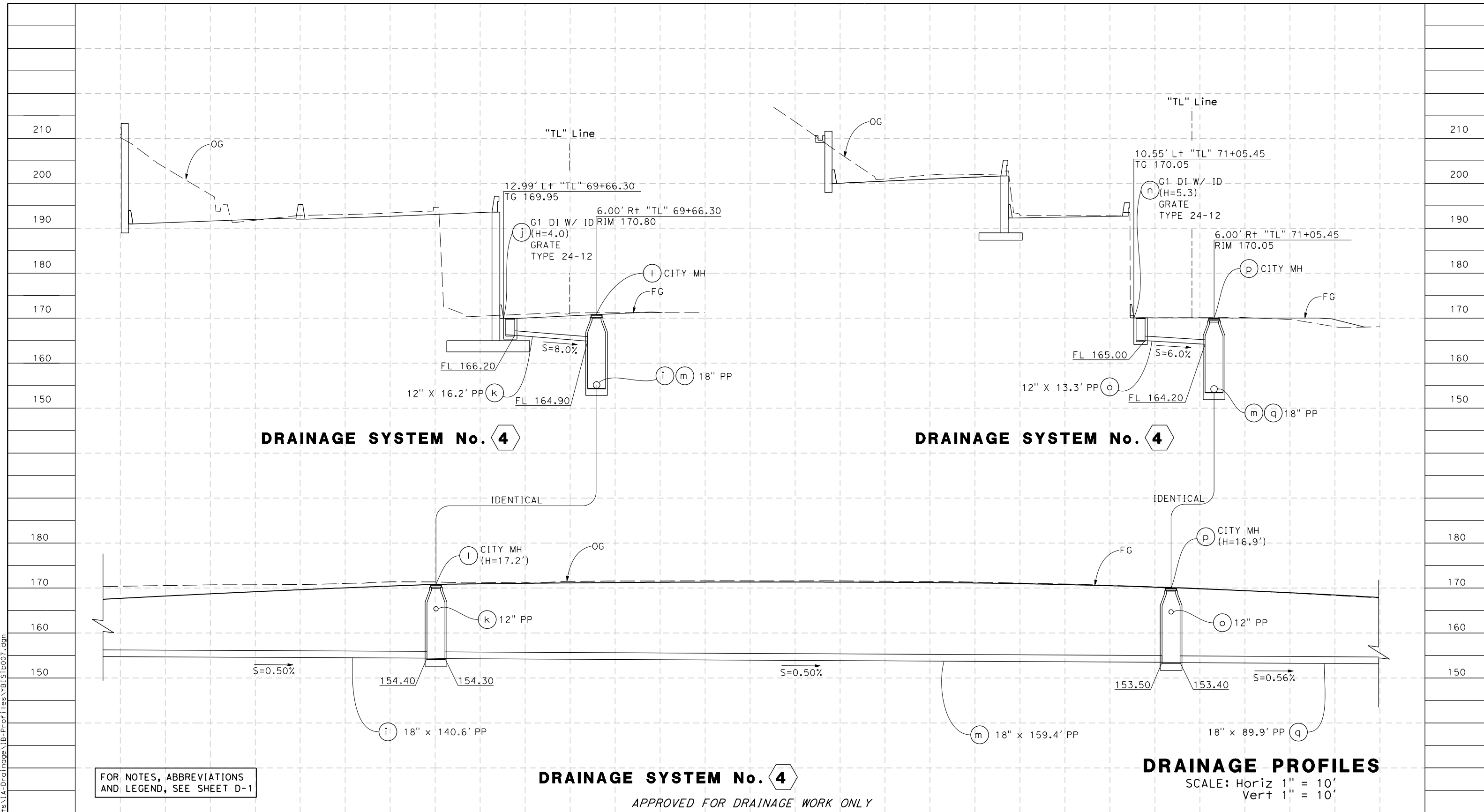
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET D-1

APPROVED FOR DRAINAGE WORK ONLY

SCALE: Horiz 1" = 10'
Vert 1" = 10'

| | | | | | | | | | |
|---|------|---|--|---------------------------|---|---|--|--|---|
| REVISOR | DATE | DESIGNED BY: S. DWYER DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | | USERNAME => sdwyer |
| | | | | PLANS APPROVAL DATE | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | CADD FILENAME => YBISib006.dgn CONTRACT NO. |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | PROJECT DESCRIPTION | | | | | | | SHEET NAME |
| | | | | | | | | | SHEET NO. |
| | | | | | | | | | TOTAL SHEETS |
| | | | | | | | | | DP-6 |
| | | | | | | | | | 59 |
| BORDER LAST REVISED 11/15/2019 | | | | | | | | | LAST REVISION |
| | | | | | | | | | DATE PLOTTED => 11/17/2019 |
| | | | | | | | | | TIME PLOTTED => 10:34:57 PM |

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FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET D-1

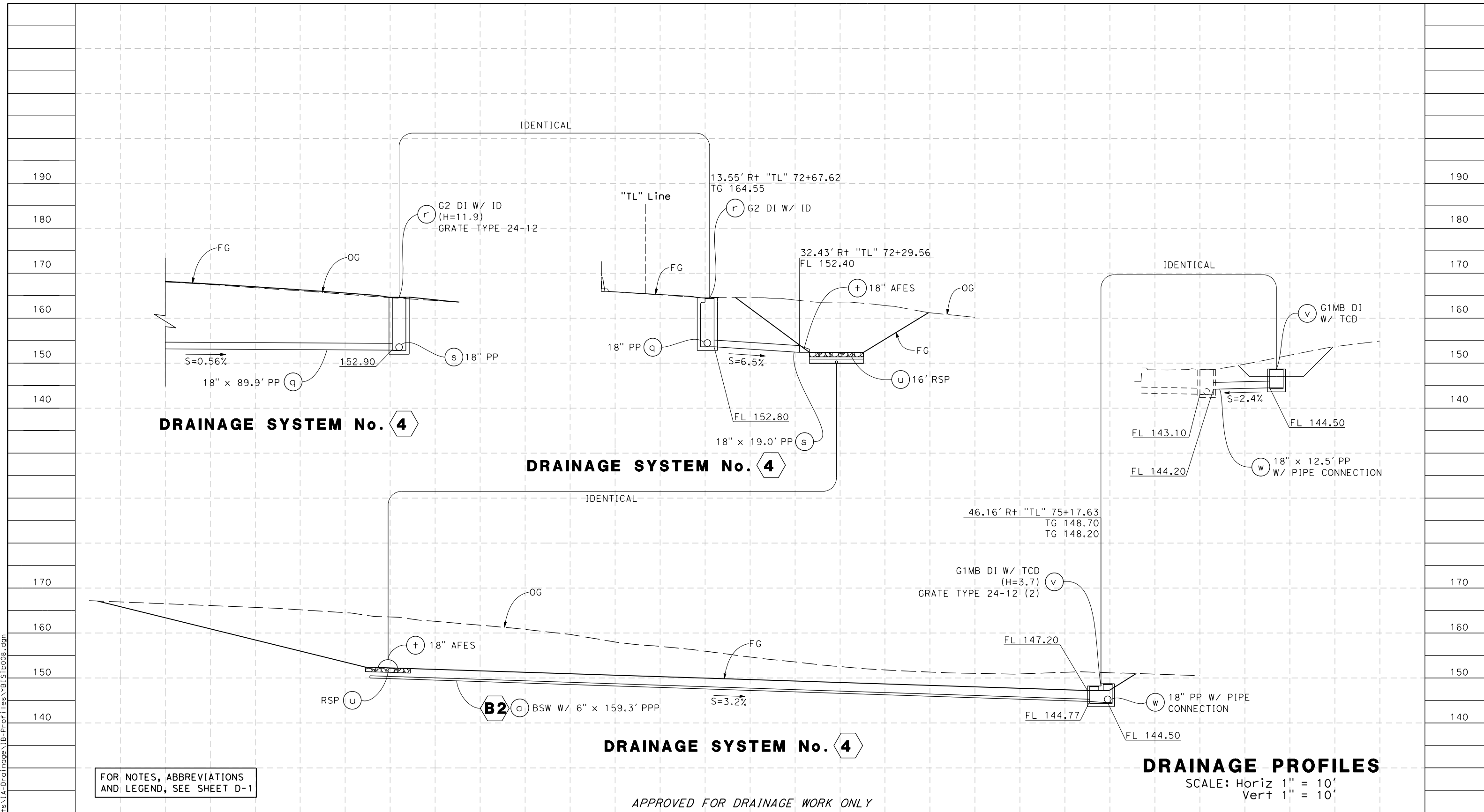
DRAINAGE SYSTEM No. 4

APPROVED FOR DRAINAGE WORK ONLY

DRAINAGE PROFILES

SCALE: Horiz 1" = 10'
Vert 1" = 10'

| | | | | | | | | | |
|--------------------------------|------|---|--|---------------------------|----------------------|--|---|---|--------------------------------|
| REVISOR | DATE | DESIGNED BY: S. DWYER DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| | | | | | | | | | CADD FILENAME => YBISib007.dgn |
| | | | | | | | | | CONTRACT NO. |
| PROJECT DESCRIPTION | | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | SHEET NAME |
| BORDER LAST REVISED 11/15/2019 | | | | | | | | | DP-7 |
| | | | | | | | | | SHEET NO. |
| | | | | | | | | | 60 |
| | | | | | | | | | TOTAL SHEETS |
| | | | | | | | | | 11-15-19 |
| | | | | | | | | | DATE PLOTTED => 11/17/2019 |
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DRAINAGE SYSTEM No. 4

DRAINAGE SYSTEM No. 4

DRAINAGE SYSTEM No. 4

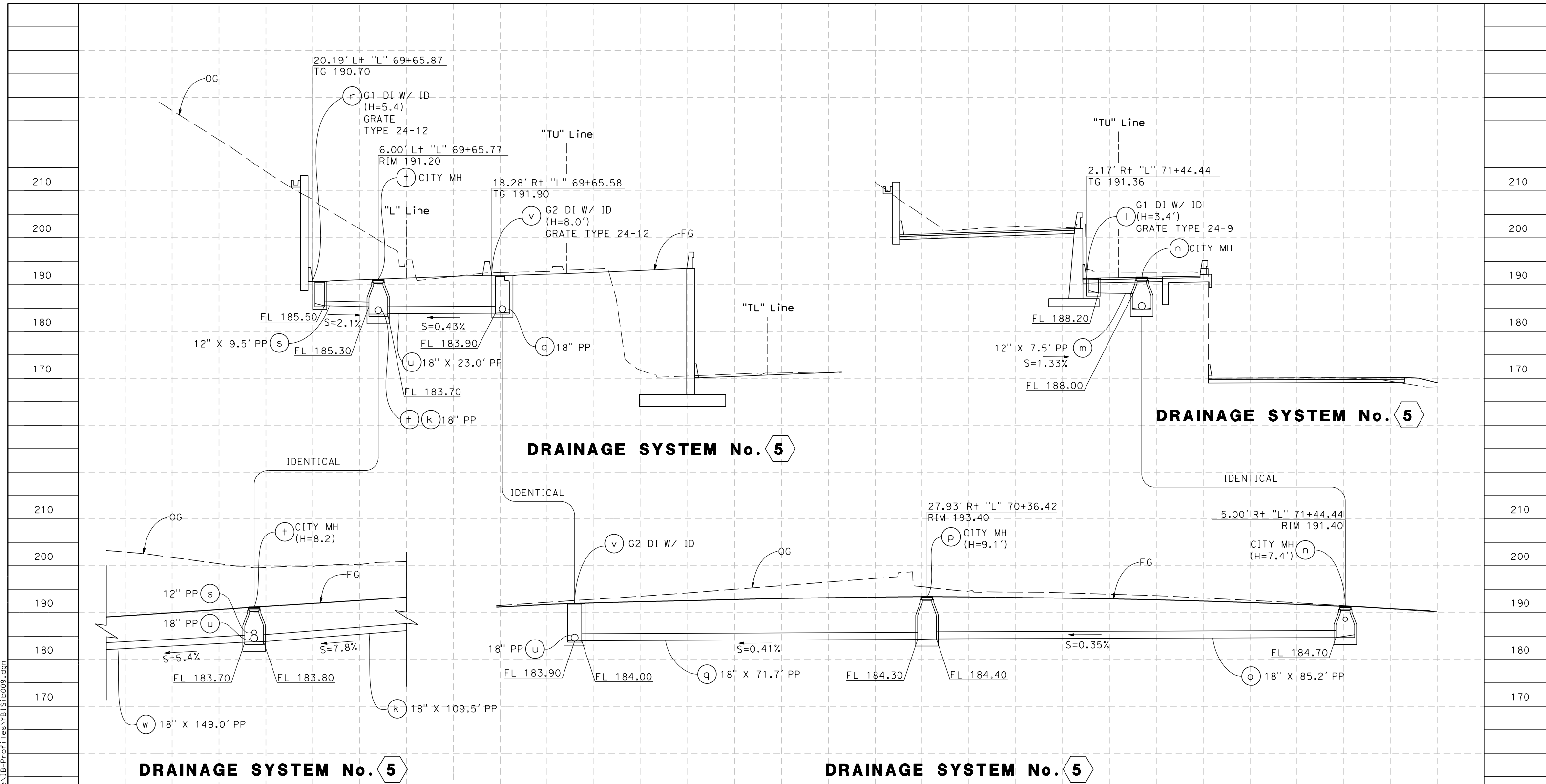
DRAINAGE PROFILES

SCALE: Horiz 1" = 10'
Vert 1" = 10'

FOR NOTES, ABBREVIATIONS
AND LEGEND, SEE SHEET D-1

APPROVED FOR DRAINAGE WORK ONLY





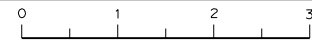
| | | | | | | | | | | | | |
|--------------------------------|------|---|--|---|----------------------|---|--|---|--|------------|-----------|--------------|
| REVISOR | DATE | DESIGNED BY: S. DWYER DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | | USERNAME => sdwyer | | | |
| | | | | PROJECT DESCRIPTION | PLANS APPROVAL DATE | | | | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | SHEET NAME | SHEET NO. | TOTAL SHEETS |
| | | | | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | DP-8 | 61 |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | | 0 1 2 3 | | | | LAST REVISION 11-15-19 | | | | |
| | | | | | | | | DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:35:00 PM | | | | |



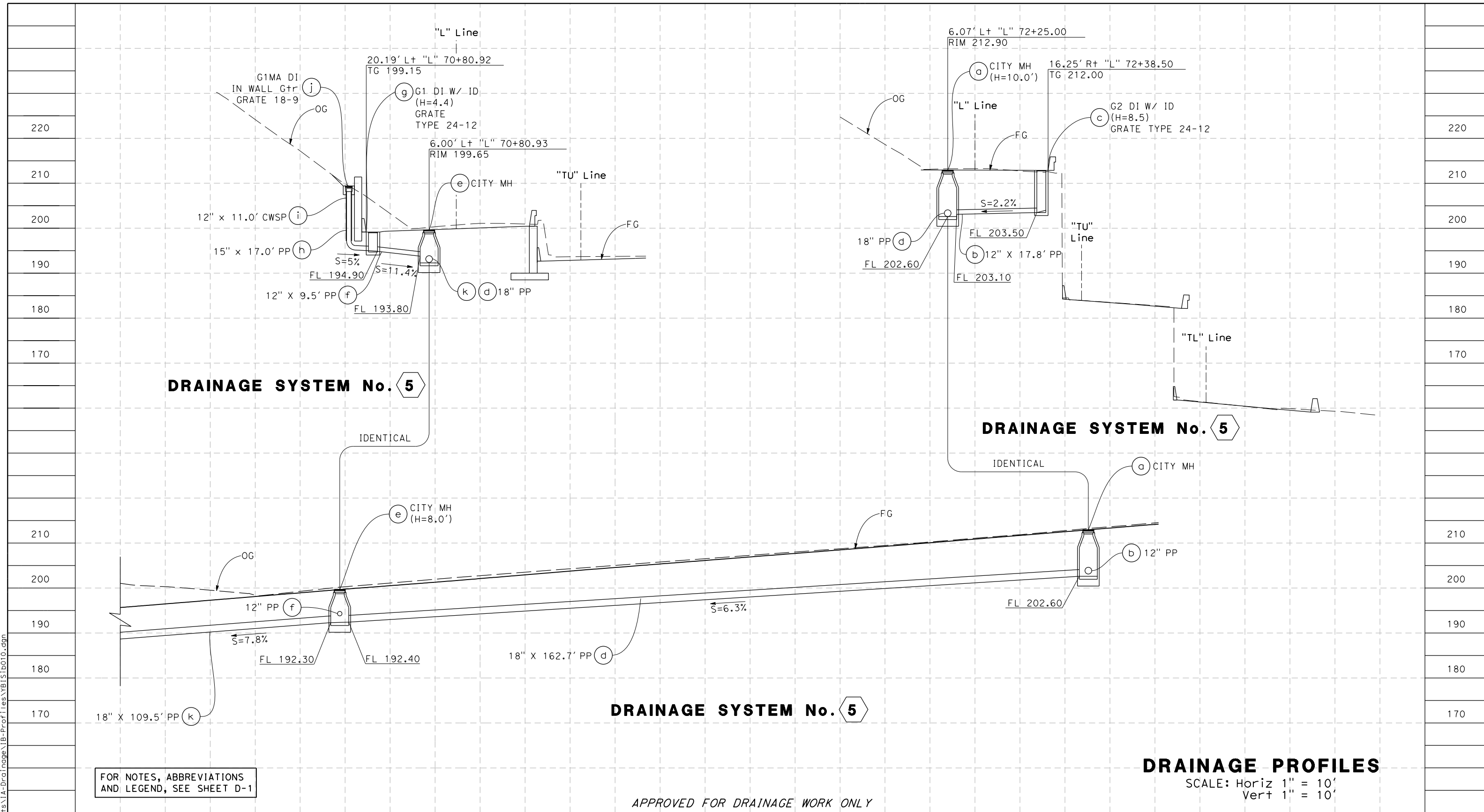
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET D-1

APPROVED FOR DRAINAGE WORK ONLY

DRAINAGE PROFILES
 SCALE: Horiz 1" = 10'
 Vert 1" = 10'

| | | | | | | | | | |
|---------------------|------|---|--|------------------------------------|---|--|---|---|--|
| REVISOR | DATE | DESIGNED BY: S. DWYER DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| | | | | PLANS APPROVAL DATE | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | CADD FILENAME => YBISib009.dgn CONTRACT NO. |
| PROJECT DESCRIPTION | | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | RELATIVE BORDER SCALE IS IN INCHES | |  | | SHEET NAME: DP-9 SHEET NO.: 62 TOTAL SHEETS: | LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:35:01 PM |






X:\YB\STRUCTURES\000_CAD_Sheets\1A-Drainage\1B-Prof\1es\YBISib009.dgn

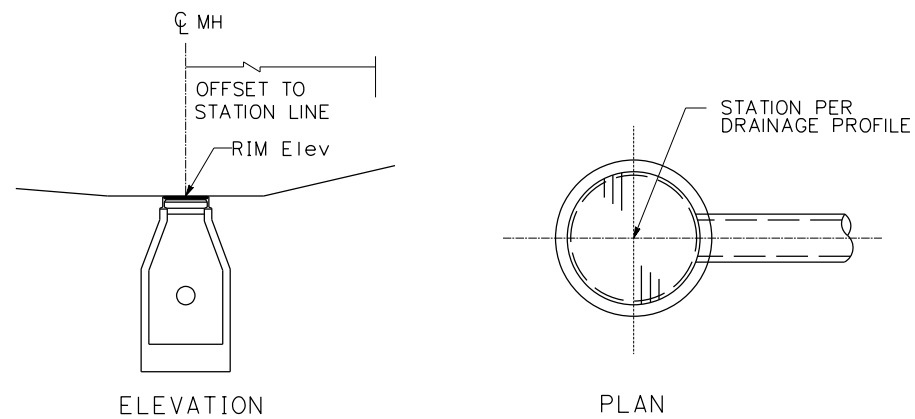


FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET D-1

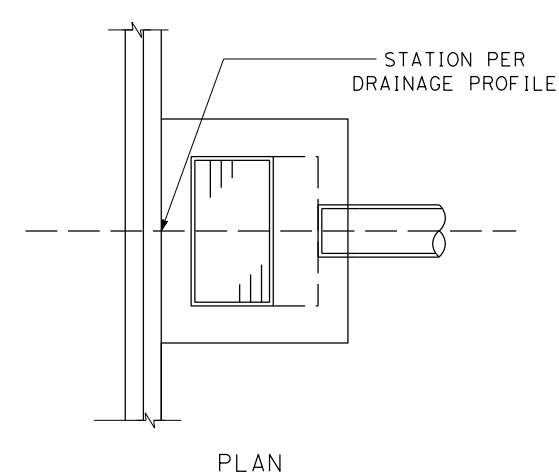
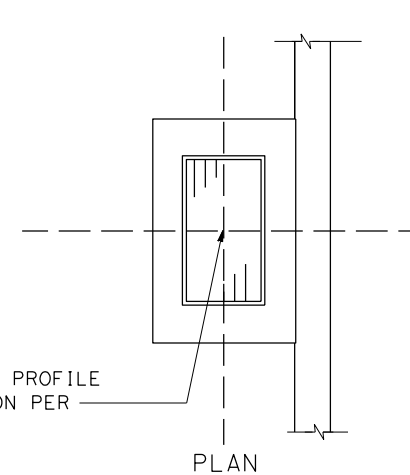
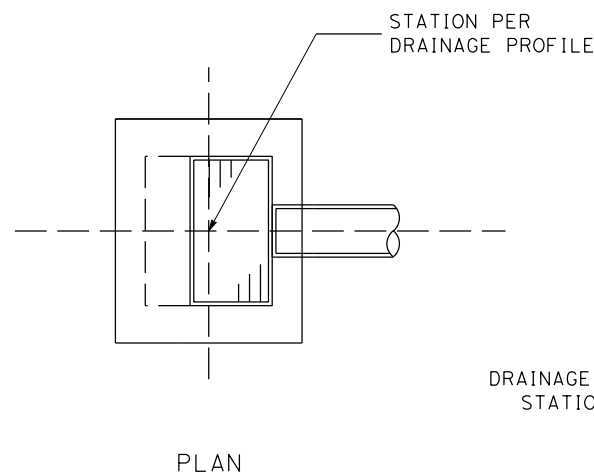
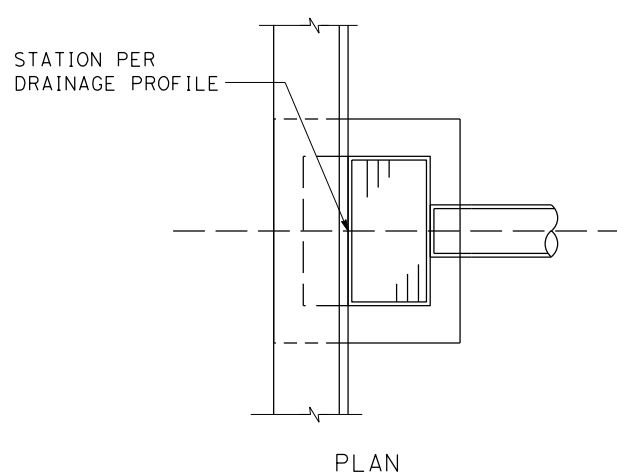
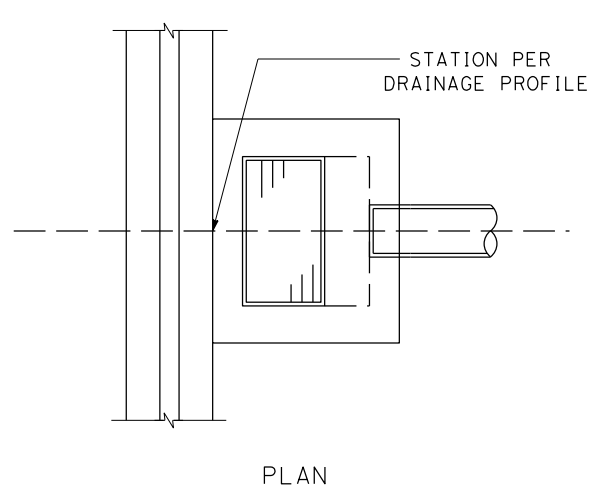
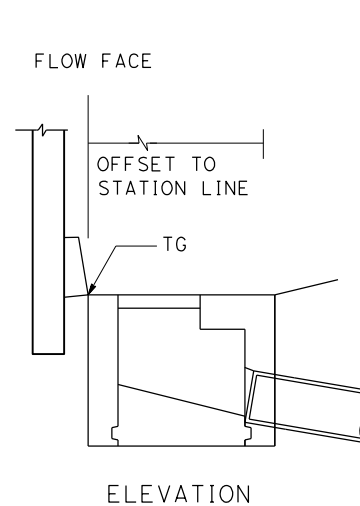
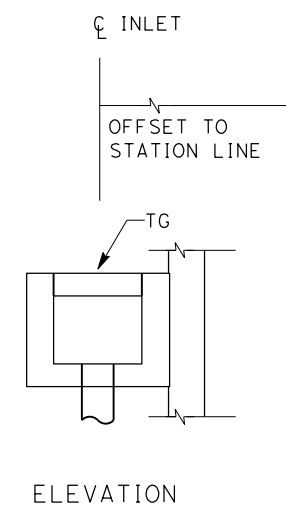
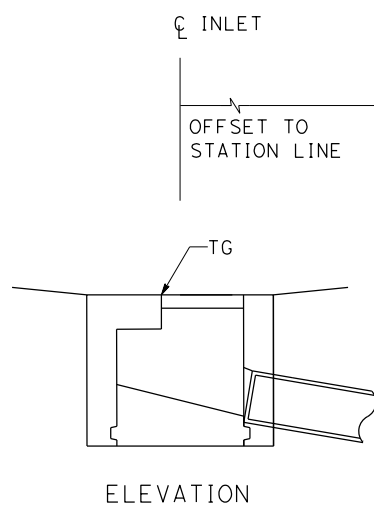
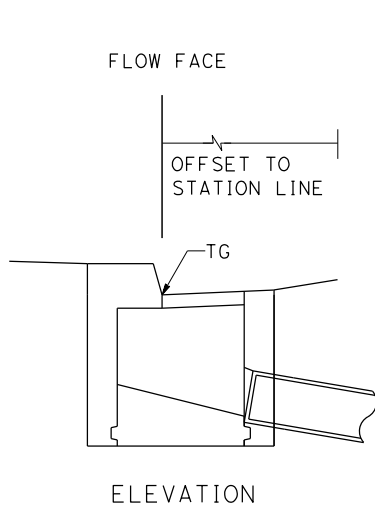
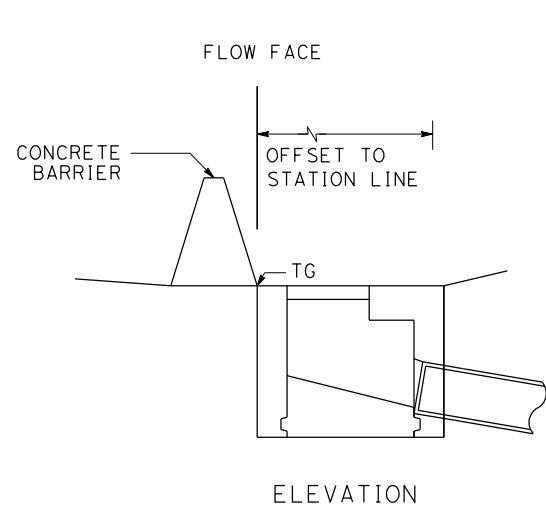
APPROVED FOR DRAINAGE WORK ONLY

DRAINAGE PROFILES
 SCALE: Horiz 1" = 10'
 Vert 1" = 10'

| | | | | | | | | | |
|---|------|---|--|---|---|--|---|---|-----------------------------------|
| REVISOR | DATE | DESIGNED BY: S. DWYER DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | PLANS APPROVAL DATE | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | CADD FILENAME => YBISib010.dgn |
| PROJECT DESCRIPTION | | | | | | | | | CONTRACT NO. |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | |  | | SHEET NAME: DP-10 SHEET NO.: 63 TOTAL SHEETS: 63 | | LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:35:03 PM | |



MANHOLE



INLET ADJACENT TO CONCRETE BARRIER

INLET ADJACENT TO CURB

FIELD INLET

INLET BEHIND RETAINING WALL

INLET ADJACENT TO RETAINING WALL
DRAINAGE DETAILS
NO SCALE

X:\YB\STRUCTURES\000_CAD_Sheets\1A-Drainage\1C-Details\YB1sic001.dgn

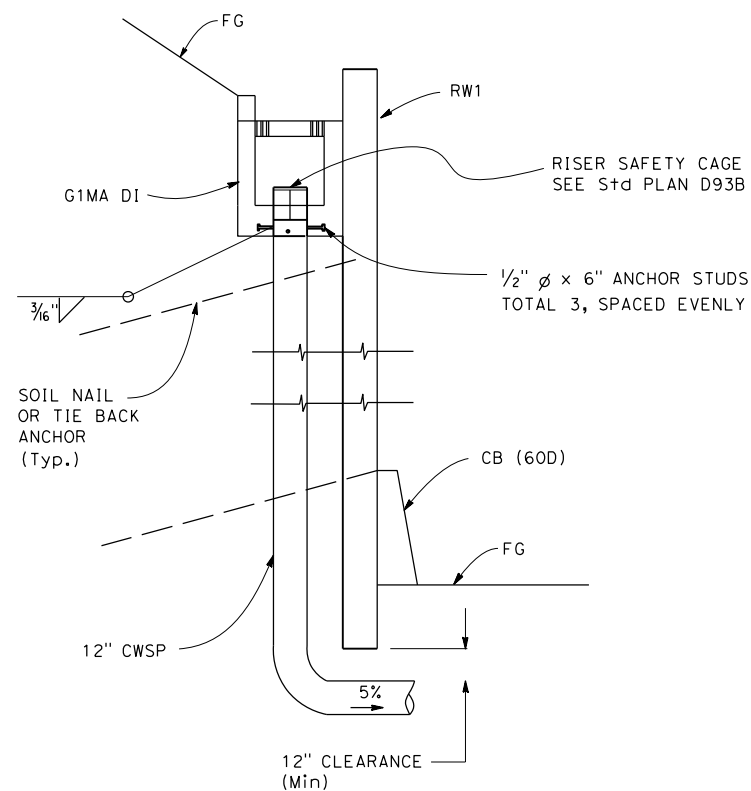
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|---------------|-----------------------------|--|------------------------------|--|--|---|--|--|--|--|------------|-----------|--------------|-------------|
| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: S. DWYER | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | | | | USERNAME => sdwyer | | | | |
| | | | DRAWN BY: E. FARAH | | PLANS APPROVAL DATE | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | | | CADD FILENAME => YB1sic001.dgn | | | | |
| | | | CHECKED BY: S. DWYER | | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | | | | CONTRACT NO. | | | | |
| | | | APPROVED BY: D. DICKINSON | | | | | | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>DD-1</td> <td>64</td> <td></td> </tr> </table> | SHEET NAME | SHEET NO. | TOTAL SHEETS | DD-1 |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | |
| DD-1 | 64 | | | | | | | | | | | | | |
| LAST REVISION | DATE PLOTTED => 11/17/2019 | | | | | | | | | | | | | |
| 11-15-19 | TIME PLOTTED => 10:35:04 PM | | | | | | | | | | | | | |

BORDER LAST REVISED 11/15/2019

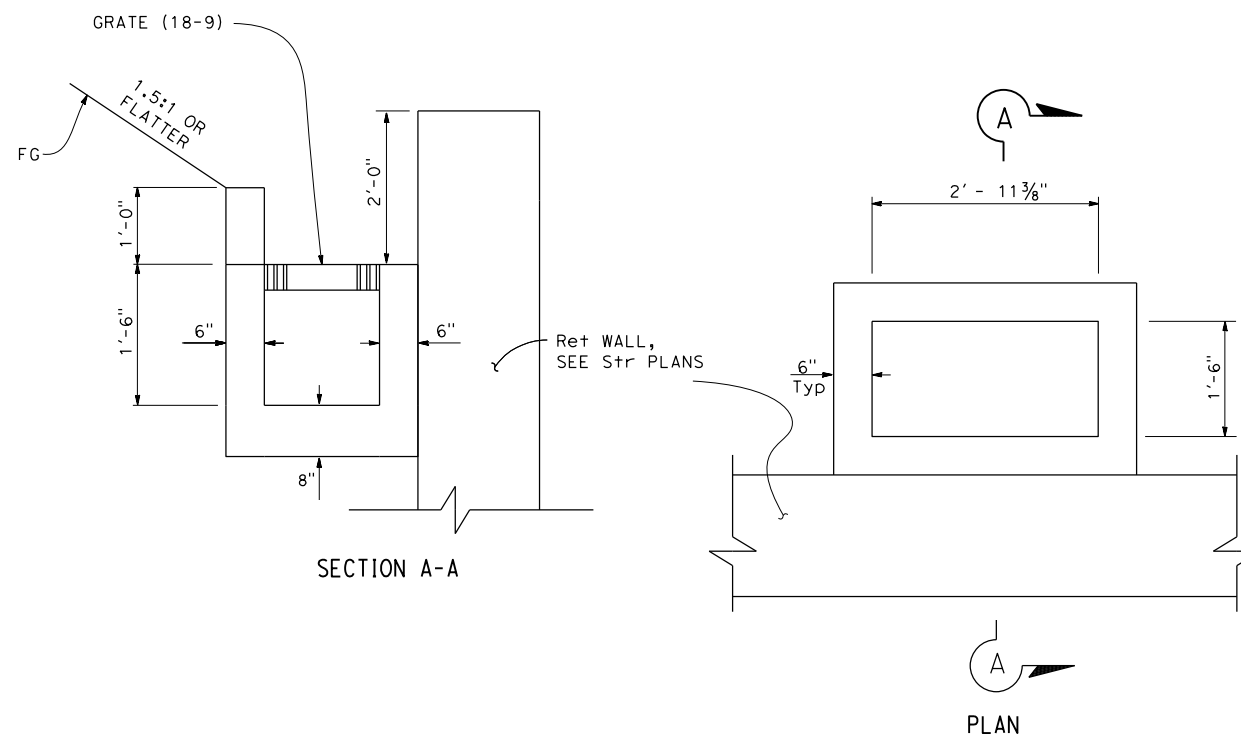


NOTE:

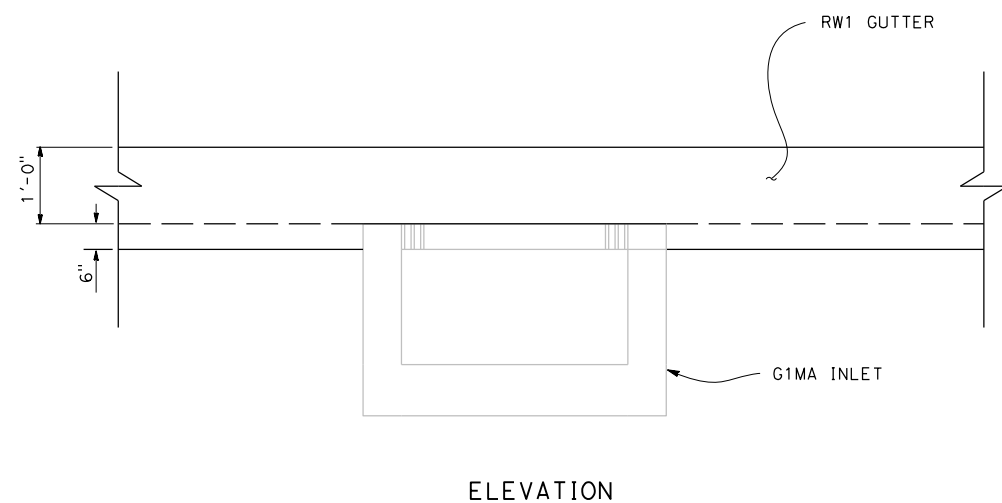
FOR INLET, GRATE, FRAME DETAILS NOT SHOWN, SEE Std PLAN D72B, D77A



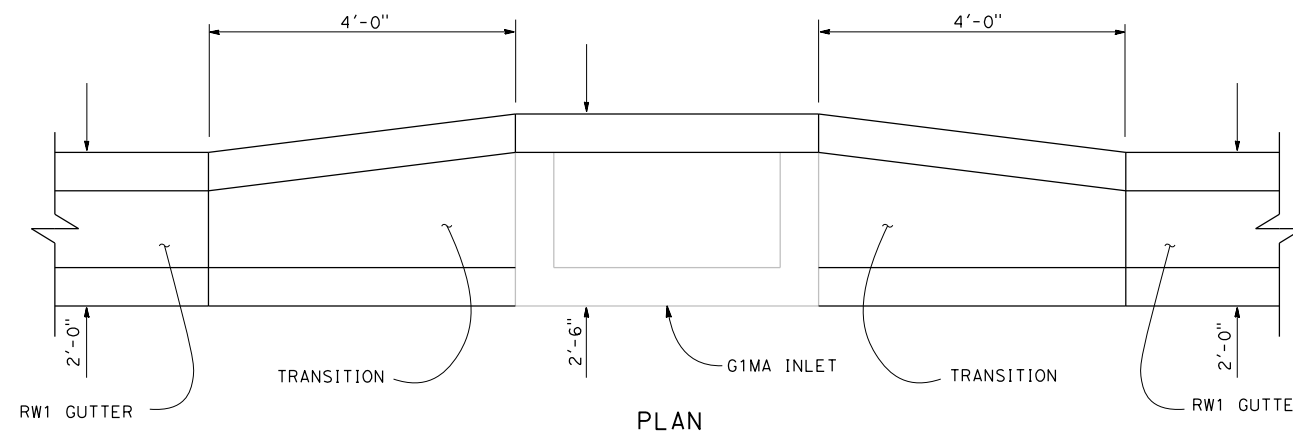
**TYPICAL INLET/OUTLET
BEHIND RETAINING WALL No. 1**



TYPE G1MA INLET



ELEVATION



PLAN

RW1 GUTTER TRANSITION TO TYPE G1M INLET

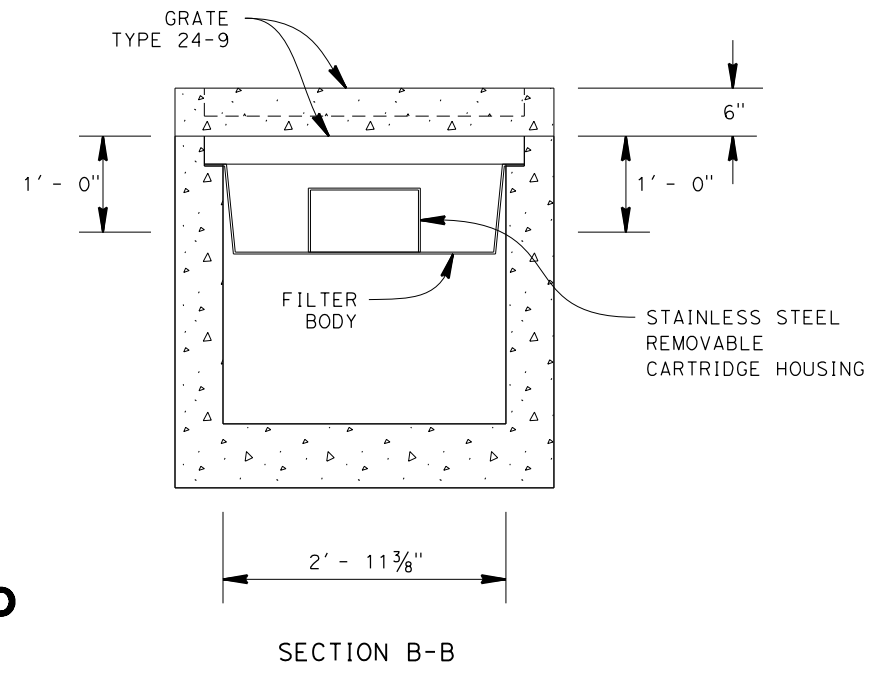
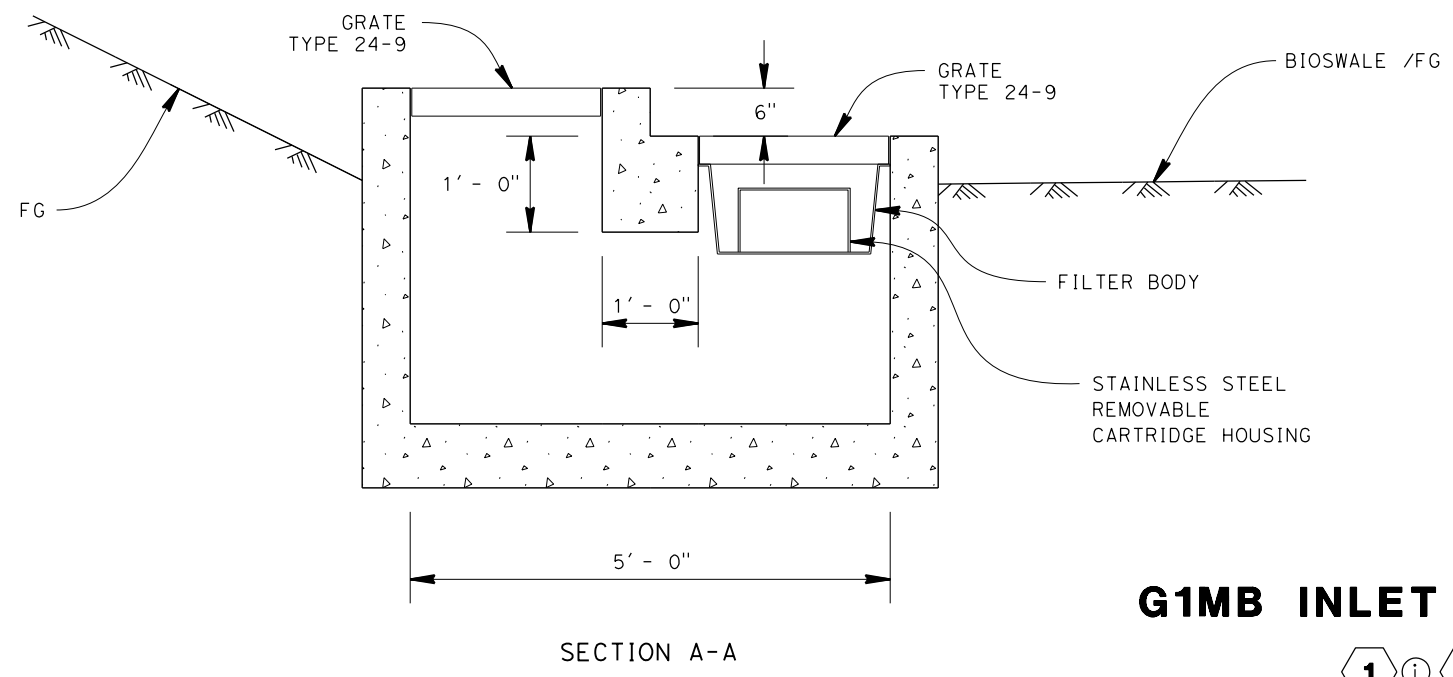
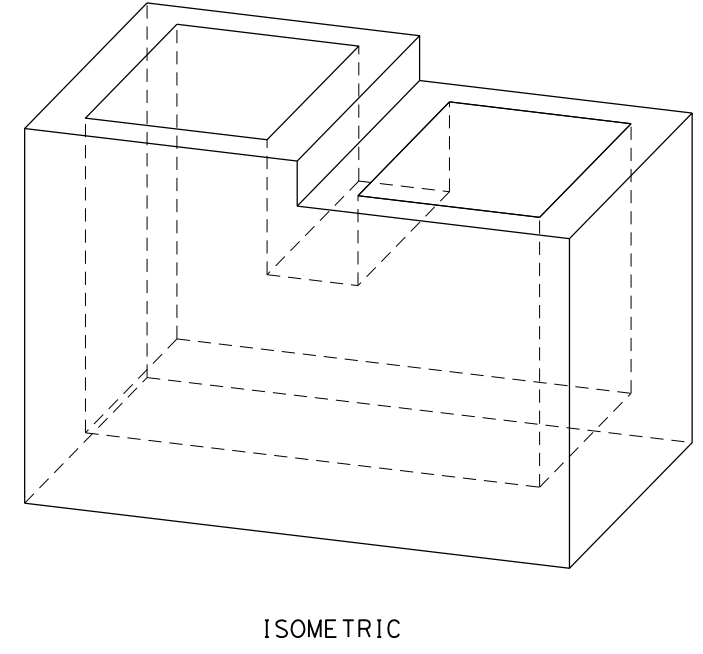
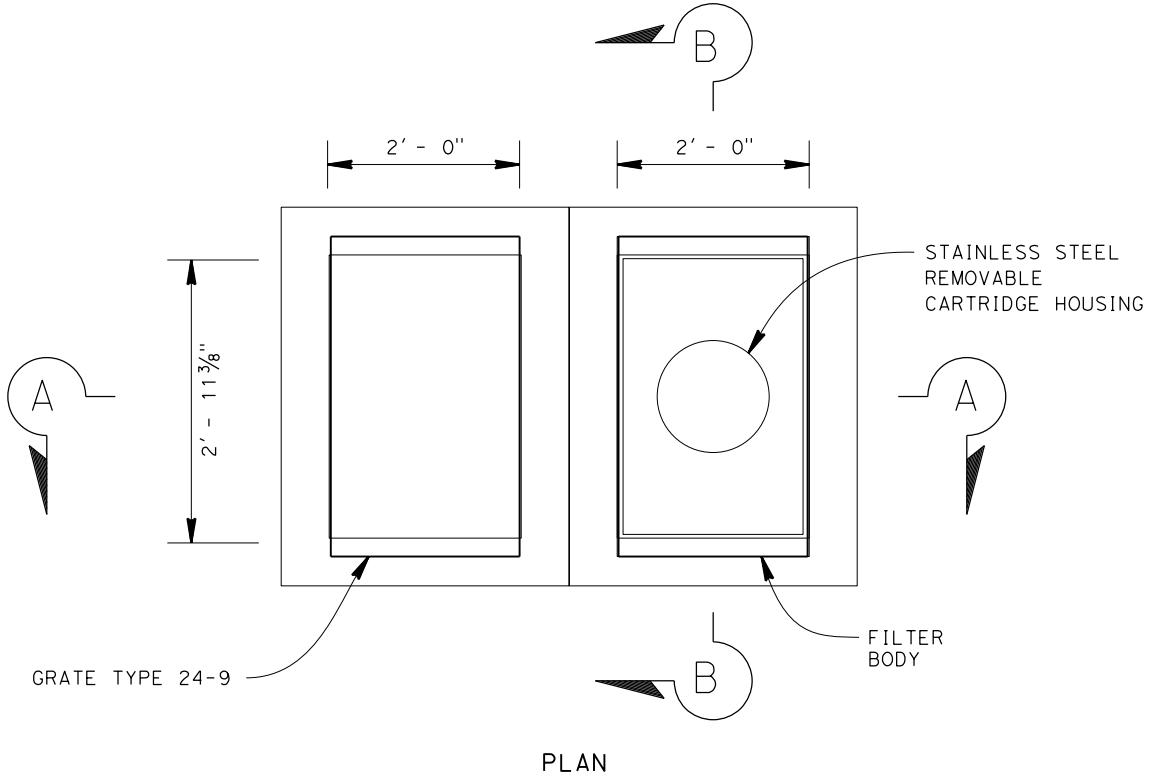
2 u 3 a 5 i

DRAINAGE DETAILS
NO SCALE

| | | | | | | | | | | |
|--------------------------------|------|--|------------------------------------|--|---------------------------|----------------------|--|--|--|-----------------------------------|
| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: S. DWYER | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer |
| | | | DRAWN BY: J. ROSALES | | | | | | | CADD FILENAME => YBISic002.dgn |
| | | | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. |
| | | | APPROVED BY: D. DICKINSON | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES | | | | SHEET NAME: DD-2 SHEET NO.: 65 TOTAL SHEETS: | | LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:35:06 PM | |

NOTE:

FOR INLET, GRATE, FRAME DETAILS NOT SHOWN, SEE S+D PLAN D72B, D77A
 FOR TRASH CAPTURE DETAILS NOT SHOWN, SEE TRITON TR2436-14(8)-BFTG-FTC

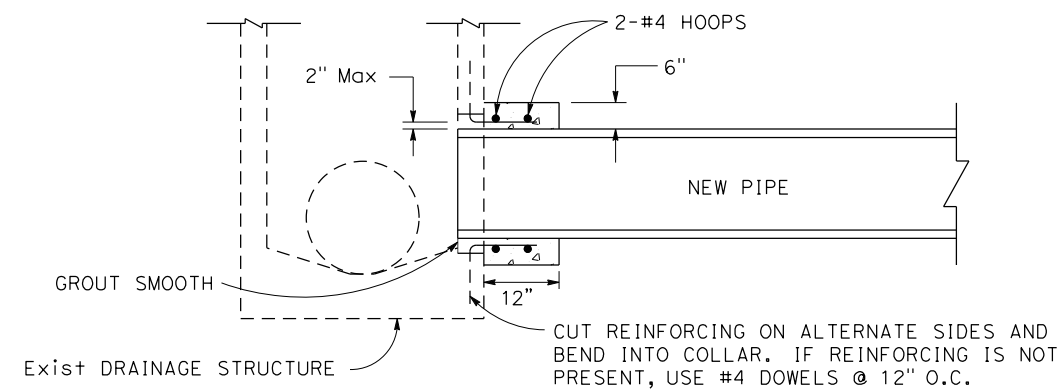
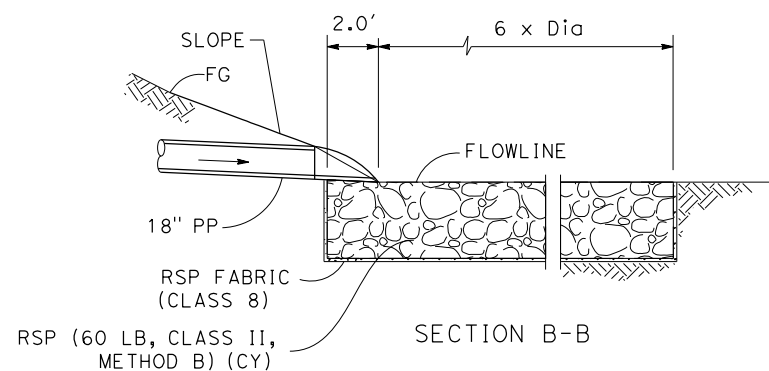
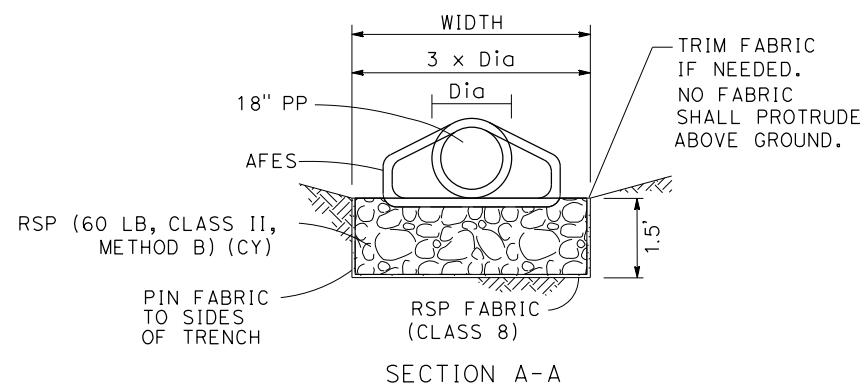


G1MB INLET W/ TCD

1 i 4 v

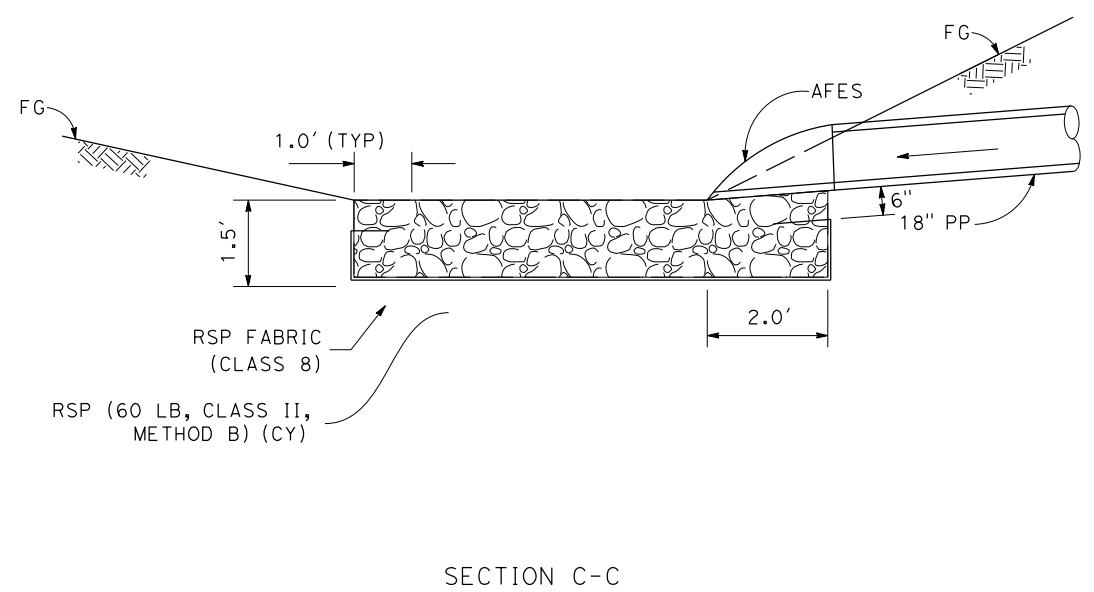
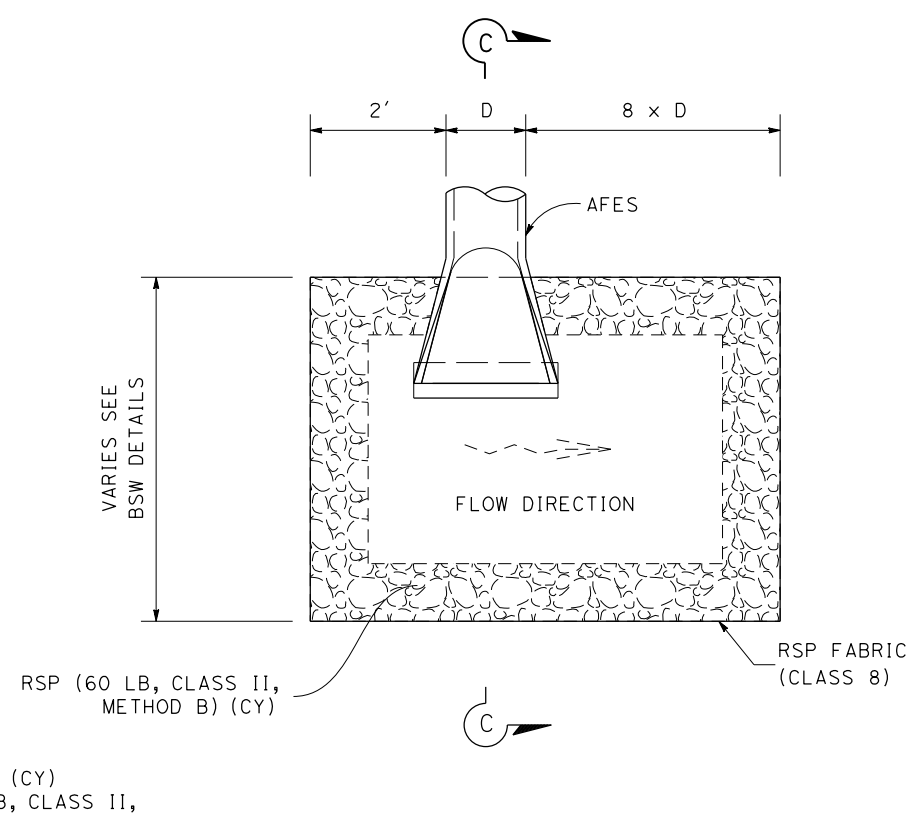
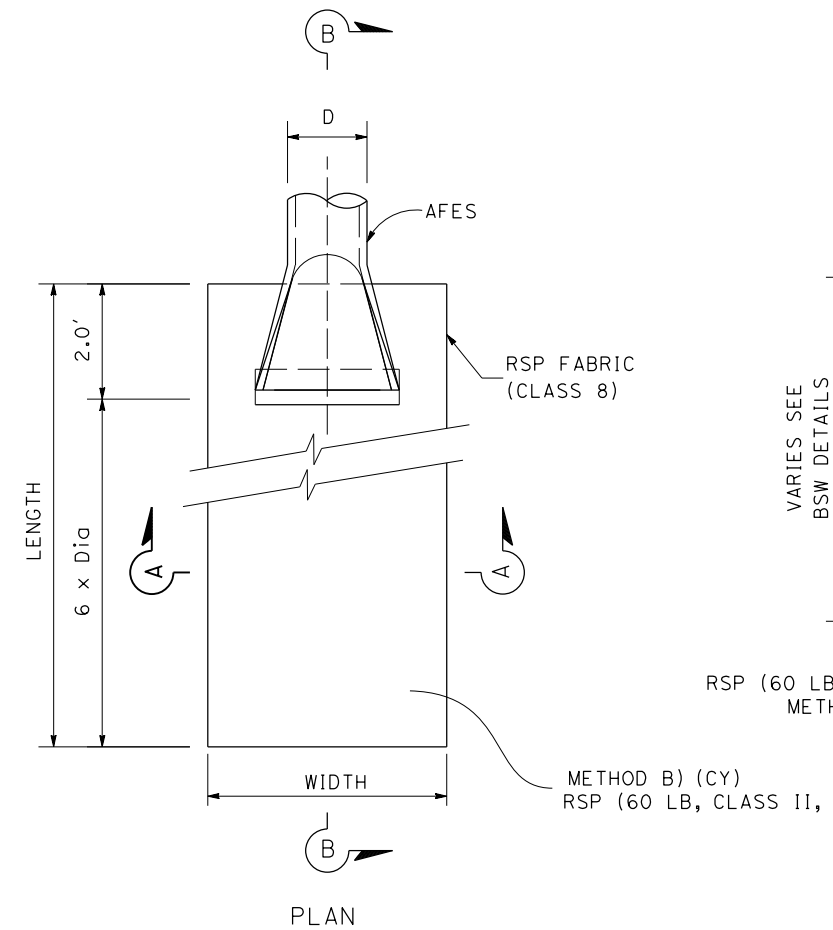
DRAINAGE DETAILS
NO SCALE

| | | | | | | | | |
|---|------------------------------|------------------------------------|---------------------------|----------------------|--|--|--|-----------------------------------|
| REVISIONS | DESIGNED BY: R. SAGASTUME | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer |
| | DRAWN BY: R. SAGASTUME | | | | | | | CADD FILENAME => YBISIc003.dgn |
| | CHECKED BY: S. DWYER | | PLANS APPROVAL DATE | | | | | CONTRACT NO. |
| | APPROVED BY: D. DICKINSON | | | | | | | |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | | SHEET NAME |
| PROJECT DESCRIPTION | | | | | | | | SHEET NO. |
| | | | | | | | | TOTAL SHEETS |
| | | | | | | | | DD-3 |
| | | | | | | | | 66 |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | | 0 1 2 3 | | | | LAST REVISION |
| | | | | | | | | DATE PLOTTED => 11/17/2019 |
| | | | | | | | | TIME PLOTTED => 10:35:08 PM |



PIPE CONNECTION TO EXISTING DRAINAGE STRUCTURE

1 (k) 4 (x)



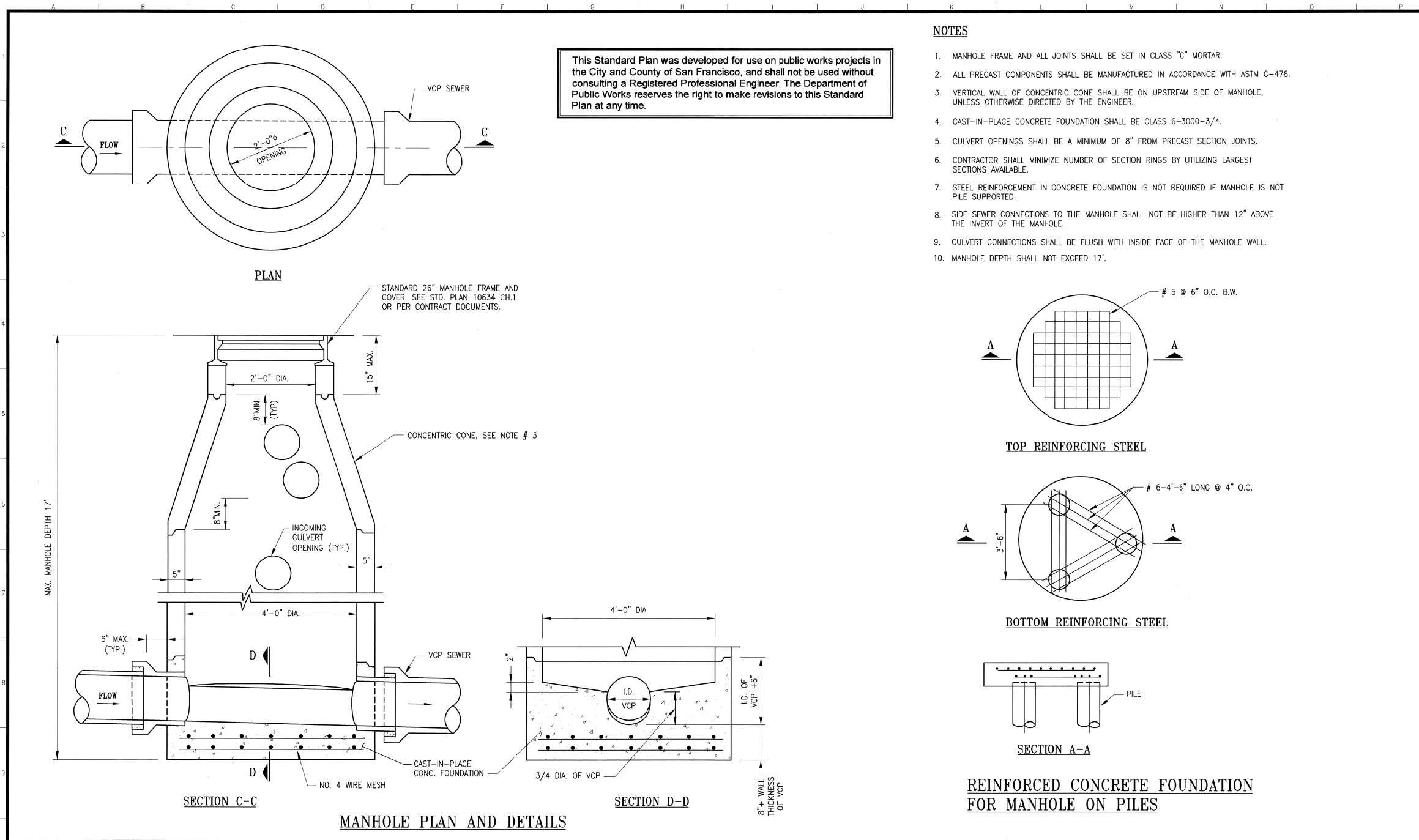
ROCK SLOPE PROTECTION AT CULVERT DRAINAGE SYSTEM NO.

1 (f) 4 (t)

DRAINAGE DETAILS
NO SCALE

| | | | | | | | | | | | | | | | | | |
|---|------------------------------|------------------------------------|---------------------------|--|--|------------|-----------|-----------------------------------|-------------|-----------|--|---|--|---------------|----------------------------|----------|-----------------------------|
| REVISIONS | DESIGNED BY: S. DWYER | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer | | | | | | | | | |
| | DRAWN BY: E. FARAH | | | | | | | CADD FILENAME => YBISic004.dgn | | | | | | | | | |
| | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. | | | | | | | | | |
| | APPROVED BY: D. DICKINSON | | | | | | | | | | | | | | | | |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | PROJECT DESCRIPTION | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>DD-4</td> <td>67</td> <td></td> </tr> </table> | | SHEET NAME | SHEET NO. | TOTAL SHEETS | DD-4 | 67 | | <table border="1"> <tr> <td>LAST REVISION</td> <td>DATE PLOTTED => 11/17/2019</td> </tr> <tr> <td>11-15-19</td> <td>TIME PLOTTED => 10:35:09 PM</td> </tr> </table> | | LAST REVISION | DATE PLOTTED => 11/17/2019 | 11-15-19 | TIME PLOTTED => 10:35:09 PM |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | | | | |
| DD-4 | 67 | | | | | | | | | | | | | | | | |
| LAST REVISION | DATE PLOTTED => 11/17/2019 | | | | | | | | | | | | | | | | |
| 11-15-19 | TIME PLOTTED => 10:35:09 PM | | | | | | | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | | | | | | | | | | | | | | | |

X:\YB\STRUCTURES\000_CAD_Sheets\1A-Drainage\1C-Details\YBISic004.dgn



This Standard Plan was developed for use on public works projects in the City and County of San Francisco, and shall not be used without consulting a Registered Professional Engineer. The Department of Public Works reserves the right to make revisions to this Standard Plan at any time.

NOTES

1. MANHOLE FRAME AND ALL JOINTS SHALL BE SET IN CLASS "C" MORTAR.
2. ALL PRECAST COMPONENTS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C-478.
3. VERTICAL WALL OF CONCENTRIC CONE SHALL BE ON UPSTREAM SIDE OF MANHOLE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
4. CAST-IN-PLACE CONCRETE FOUNDATION SHALL BE CLASS 6-3000-3/4.
5. CULVERT OPENINGS SHALL BE A MINIMUM OF 8" FROM PRECAST SECTION JOINTS.
6. CONTRACTOR SHALL MINIMIZE NUMBER OF SECTION RINGS BY UTILIZING LARGEST SECTIONS AVAILABLE.
7. STEEL REINFORCEMENT IN CONCRETE FOUNDATION IS NOT REQUIRED IF MANHOLE IS NOT PILE SUPPORTED.
8. SIDE SEWER CONNECTIONS TO THE MANHOLE SHALL NOT BE HIGHER THAN 12" ABOVE THE INVERT OF THE MANHOLE.
9. CULVERT CONNECTIONS SHALL BE FLUSH WITH INSIDE FACE OF THE MANHOLE WALL.
10. MANHOLE DEPTH SHALL NOT EXCEED 17'.

| NO. | DATE | DESCRIPTION | BY | APP. |
|---|------|-------------|----|------|
| TABLE OF REVISIONS | | | | |
| CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION | | | | |

REFERENCE INFORMATION & FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
 DEPARTMENT OF PUBLIC WORKS
 CITY AND COUNTY OF SAN FRANCISCO

REVIEWED: DATE: 12/2006
 ID: 12/2006
 DRAWN: DATE: 07/2003
 AM/JL
 CHECKED: DATE: 12/2006
 KS

PLANS APPROVAL DATE: APRIL 30, 2007
 SECTION MANAGER
 DEPUTY BUREAU MANAGER
 BUREAU MANAGER

STANDARD PLAN
 HYDRAULICS
 PRECAST CONCRETE MANHOLE
 FOR 12" AND 24" DIAMETER SEWERS

OLD FILE NO.
 45,560 CH 1
 FILE NO.
 87,181
 REV. NO.

Drawing Path: V:\966J Standard Plans & Specs Update\2_Plan\Title\Block\B0E STD Title Block.dwg
 Plot Time: Fri, 27 Apr 2007 7:16pm
 Dimension Scale: 40
 Model Units: Feet
 Measurement Units are English

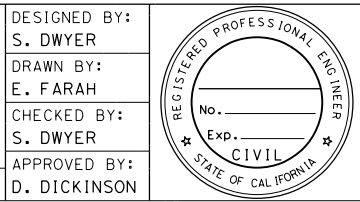
DRAINAGE DETAILS
 NO SCALE

| REVISED BY | DATE REVISED |
|------------|--------------|
| | |
| | |
| | |
| | |

DESIGNED BY: S. DWYER
 DRAWN BY: E. FARAH
 CHECKED BY: S. DWYER
 APPROVED BY: D. DICKINSON

YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT

PROJECT DESCRIPTION



REGISTERED CIVIL ENGINEER

PLANS SUBMITTAL DATE

PLANS APPROVAL DATE

WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

WMH

1111 BROADWAY, SUITE 300
 OAKLAND, CA 94607
 (510) 698-6300 (PHONE)
 (510) 444-2450 (FAX)
 www.wmhcorporation.com



USERNAME => sdwyer
 CADD FILENAME => YBISic005.dgn
 CONTRACT NO.

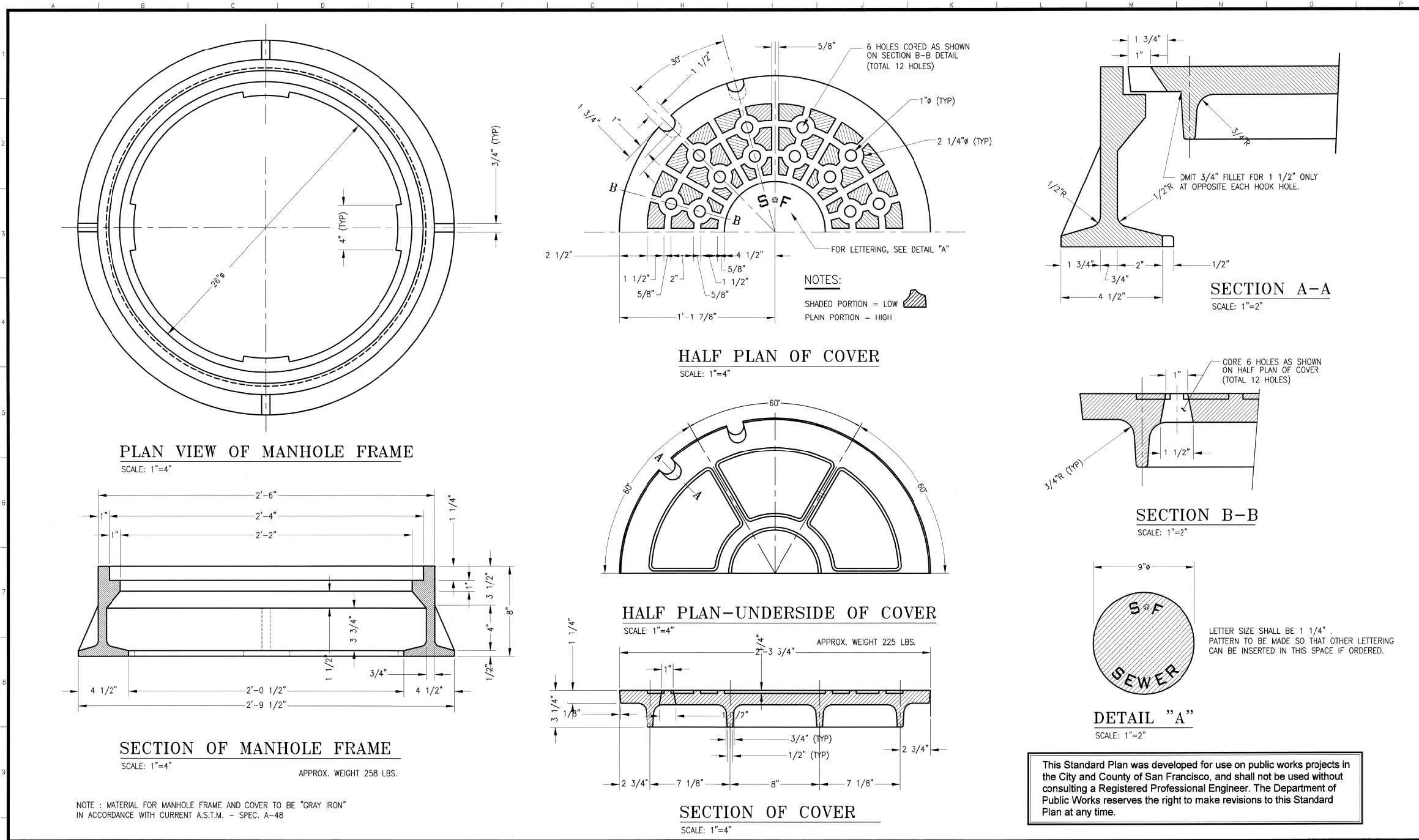
| SHEET NAME | SHEET NO. | TOTAL SHEETS |
|-------------|-----------|--------------|
| DD-5 | 68 | |

LAST REVISION: 11-15-19
 DATE PLOTTED => 11/17/2019
 TIME PLOTTED => 10:43:13 PM

BORDER LAST REVISED 11/15/2019



X:\YBIS\STRUCTURES\000_CAD\Sheets\1A-Drainage\1A-Details\YBISic005.dgn



| <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> <th>APP.</th> </tr> <tr> <td colspan="5">TABLE OF REVISIONS</td> </tr> <tr> <td colspan="5">CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION</td> </tr> </table> | | NO. | DATE | DESCRIPTION | BY | APP. | TABLE OF REVISIONS | | | | | CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION | | | | | REFERENCE INFORMATION & FILE NO. OF SURVEYS | | BUREAU OF ENGINEERING DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO | REVIEWED: DATE: 12/2006 ID: 12/2006 DRAWN: DATE: 07/2003 JL: 07/2003 CHECKED: DATE: 12/2006 KS: 12/2006 | PLANS APPROVAL DATE: APRIL 30, 2007 SECTION MANAGER: [Signature] DEPUTY BUREAU MANAGER: [Signature] BUREAU MANAGER: [Signature] | STANDARD PLAN HYDRAULICS STANDARD 26" MANHOLE FRAME & COVER | OLD FILE NO. A-10,634 FILE NO. 87,190 REV. NO. |
|---|------|-------------|------|-------------|----|------|--------------------|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|
| NO. | DATE | DESCRIPTION | BY | APP. | | | | | | | | | | | | | | | | | | | |
| TABLE OF REVISIONS | | | | | | | | | | | | | | | | | | | | | | | |
| CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | |
|--|--|--|--|---|--|--|--|
| DESIGNED BY: S. DWYER DRAWN BY: E. FARAH CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON | | REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE PLANS APPROVAL DATE | | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | | USERNAME => sdwyer CADD FILENAME => YBISic006.dgn CONTRACT NO. |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | PROJECT DESCRIPTION | | BORDER LAST REVISED 11/15/2019 | | SHEET NAME: DD-6 SHEET NO.: 69 TOTAL SHEETS: | LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:48:43 PM |

Xref: V:\0966J_Standard Plans & Specs Update\2_Plans\The_Block\BDE STD Title Block.dwg
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 Model Units: Feet
 Drawing Path: V:\0966J_Standard Plans & Specs Update\2_Plans\The_Block\BDE STD Title Block.dwg
 Plot Time: Fri, 27 Apr 2007 - 6:42pm

This Standard Plan was developed for use on public works projects in the City and County of San Francisco, and shall not be used without consulting a Registered Professional Engineer. The Department of Public Works reserves the right to make revisions to this Standard Plan at any time.

DRAINAGE DETAILS
NO SCALE





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DRAINAGE QUANTITIES

| DRAINAGE SHEET No. | DRAINAGE SYSTEM No. | DRAINAGE UNIT | DRAINAGE INLETS | | | MINOR CONCRETE (BACKFILL) | 18" PLASTIC PIPE | 15" PLASTIC PIPE | 12" PLASTIC PIPE | 12" COATED WELDED STEEL PIPE (0.134" THICK) | 18" FLARED END SECTION | TRASH CAPTURE DEVICE | DRAINAGE INLET MARKER | INLET DEPRESSION | MANHOLE | ROCK SLOPE PROTECTION (LIGHT, METHOD B) | ROCK SLOPE PROTECTION FABRIC (CLASS 8) | DESCRIPTION | STATION | DRAINAGE SHEET No. | DRAINAGE SYSTEM No. | DRAINAGE UNIT | | | | | | | | |
|--------------------|---------------------|---------------|-------------------------|-----------------------------------|---------------------|---------------------------|------------------|------------------|------------------|---|------------------------|----------------------|-----------------------|------------------|---------|---|--|------------------------------------|------------------------|--------------------|---------------------|---------------|----|----|----|----|----|----|----|------|
| | | | HEIGHT OF INLET "H" (N) | STRUCTURE CONCRETE DRAINAGE INLET | Misc IRON AND STEEL | | | | | | | | | | | | | | | | | | FT | CY | LB | CY | LF | EA | CY | SOYD |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D-1 | 1 | a | 8.4 | | 225 | | | | | | | | | 1 | | | | CITY MH | 5.76' R+ "L" 59+22.60 | D-1 | 1 | a | | | | | | | | |
| | | b | | | | | 145 | | | | | | | | | | | 18" PP | | | | b | | | | | | | | |
| | | c | 8.0 | | 225 | | | | | | | | | 1 | | | | CITY MH | 6.00' R+ "L" 57+75.00 | | | c | | | | | | | | |
| | | d | | | | | | 27 | | | | | | | | | | 18" PP | | | | d | | | | | | | | |
| | | e | 10.0 | | 225 | | | | | | | | | 1 | | | | CITY MH | 37.00' R+ "L" 57+75.00 | | | e | | | | | | | | |
| | | f | | | | | | 42 | | | | | | | | | | 18" PP | | | | f | | | | | | | | |
| | | g | | | | | | | | 1 | | | | | | | | 18" AFES | 48.56' R+ "L" 57+36.52 | | | g | | | | | | | | |
| | | h | | | | | | | | | | | | | 7 | 24 | | RSP | | | | h | | | | | | | | |
| | | i | 3.2 | 1.0 | 652 | | | | | | 1 | 1 | | | | | | G1MB D1 W/ TCD, (2) GRATE 24-12 | 44.68' R+ "L" 55+64.10 | | | i | | | | | | | | |
| | | j | | | | | | 44 | | | | | | | | | | 18" PP | | | | j | | | | | | | | |
| | | k | 8.0 | | 225 | | | | | | | | | 1 | | | | CITY MH | 40.00' R+ "L" 55+22.00 | | | k | | | | | | | | |
| | | l | | | | | | 27 | | | | | | | | | | 18" PP W/ PIPE CONNECTION | | | | l | | | | | | | | |
| D-2 | 2 | a | 7.4 | 3.8 | 239 | | | | | | | | 1 | 1 | | | | G2 DI W/ ID, GRATE 24-12X | 14.00' R+ "L" 66+24.14 | D-2 | | a | | | | | | | | |
| | | b | | | | | | 179 | | | | | | | | | | 18" PP | | | | b | | | | | | | | |
| | | c | 6.5 | 1.7 | 326 | | | | | | | | 1 | 1 | | | | G1 DI W/ ID, GRATE 24-12 | 20.00' L+ "L" 64+43.75 | | | c | | | | | | | | |
| | | d | | | | | | | 22 | | | | | | | | | 12" PP | | | | d | | | | | | | | |
| | | e | 8.4 | | 225 | | | | | | | | | 1 | | | | CITY MH | 6.00' R+ "L" 64+43.75 | | | e | | | | | | | | |
| | | f | | | | | | 158 | | | | | | | | | | 18" PP | | | | f | | | | | | | | |
| | | g | 9.2 | 4.5 | 326 | | | | | | | | 1 | 1 | | | | G2 DI W/ ID, GRATE 24-12 | 20.00' L+ "L" 62+82.58 | | | g | | | | | | | | |
| | | h | | | | | | 20 | | | | | | | | | | 18" PP | | | | h | | | | | | | | |
| | | i | 11.7 | | 225 | | | | | | | | | 1 | | | | CITY MH | 6.01' R+ "L" 62+82.55 | | | i | | | | | | | | |
| | | j | | | | | | 125 | | | | | | | | | | 18" PP | | | | j | | | | | | | | |
| | | k | 3.5 | 1.1 | 326 | | | | | | | | 1 | 1 | | | | G1 DI W/ ID, GRATE 24-12 | 37.40' L+ "L" 61+52.17 | | | k | | | | | | | | |
| | | l | | | | | | | 39 | | | | | | | | | 12" PP | | | | l | | | | | | | | |
| | | m | 8.3 | | 225 | | | | | | | | | 1 | | | | CITY MH | 5.65' R+ "L" 61+55.23 | | | m | | | | | | | | |
| | | n | | | | | | 123 | | | | | | | | | | 18" PP | | | | n | | | | | | | | |
| | | o | 3.5 | 1.1 | 326 | | | | | | | | 1 | 1 | | | | G1 DI W/ ID, GRATE 24-12 | 31.35' L+ "L" 60+28.60 | | | o | | | | | | | | |
| | | p | | | | | | | 33 | | | | | | | | | 12" PP | | | | p | | | | | | | | |
| | | q | 8.3 | | 225 | | | | | | | | | 1 | | | | CITY MH | 5.83' R+ "L" 60+29.97 | | | q | | | | | | | | |
| | | r | | | | | | 105 | | | | | | | | | | 18" PP | | | | r | | | | | | | | |
| | | s | 1.2 | 1.0 | 249 | | | | | | | | 1 | | | | | G1MA DI IN WALL GUTTER, GRATE 18-9 | | | | s | | | | | | | | |
| | | t | | | | | | | | | | | | | | | | 15" PP | | | | t | | | | | | | | |
| | | u | | | | | | | 17 | | | | | | | | | 12" CWSP | | | | u | | | | | | | | |
| | | v | 4.5 | 1.3 | 326 | | | | | | | | 1 | 1 | | | | G1 DI W/ ID, GRATE 24-12 | 28.61' L+ "L" 59+22.29 | | | v | | | | | | | | |
| | | w | | | | | | | 30 | | | | | | | | | 12" PP | | | | w | | | | | | | | |
| DQ-1 TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

DRAINAGE QUANTITIES
NO SCALE

| | | | | | | | | | | | | |
|-------------------------------|-------------|--|------------------------------|--|--|---|---|--|----------------------|--|--|--|
| REVISD BY | DATE REVISD | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: R. SAGASTUME |  REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | | | | |
| | | | DRAWN BY: R. SAGASTUME | | | | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | | | CADD FILENAME => YBISI001.dgn |
| | | | CHECKED BY: S. DWYER | | | | | PLANS APPROVAL DATE | | | | CONTRACT NO. |
| | | | APPROVED BY: D. DICKINSON | | | | | | | | | SHEET NAME SHEET NO. TOTAL SHEETS DQ-1 70 |
| BORDER LAST REVISD 11/15/2019 | | | | RELATIVE BORDER SCALE IS IN INCHES | 0 1 2 3 | | | LAST REVISION DATE PLOTTED => 11/17/2019 11-15-19 TIME PLOTTED => 10:35:11 PM | | | | |






X:\YB\STRUCTURES\000_CAD_Sheets\1A-Drainage\1A-Draint\1A-Draint.dgn

DRAINAGE QUANTITIES

| DRAINAGE SHEET No. | DRAINAGE SYSTEM No. | DRAINAGE UNIT | DRAINAGE INLETS | | | MINOR CONCRETE (BACKFILL) | 18" PLASTIC PIPE | 15" PLASTIC PIPE | 12" PLASTIC PIPE | 12" COATED WELDED STEEL PIPE (0.134" THICK) | 18" FLARED END SECTION | TRASH CAPTURE DEVICE | DRAINAGE INLET MARKER | INLET DEPRESSION | MANHOLE | ROCK SLOPE PROTECTION (LIGHT, METHOD B) | ROCK SLOPE PROTECTION FABRIC (CLASS 8) | DESCRIPTION | STATION | DRAINAGE SHEET No. | DRAINAGE SYSTEM No. | DRAINAGE UNIT |
|--------------------|---------------------|---------------|-------------------------|-----------------------------------|---------------------|---------------------------|------------------|------------------|------------------|---|------------------------|----------------------|-----------------------|------------------|---------|---|--|-------------------------|---------|--------------------|---------------------|---------------|
| | | | HEIGHT OF INLET "H" (N) | STRUCTURE CONCRETE DRAINAGE INLET | Misc IRON AND STEEL | | | | | | | | | | | | | | | | | |
| | | | FT | CY | LB | | | | | | | | | | | | | | | | | |
| D-2 | 3 | a | 1.2 | 1.0 | 249 | | | | 58 | | | 1 | | | | | G1M DI IN WALL GUTTER, GRATE 18-9 | | D-2 | 3 | a | |
| | | b | | | | | | | | | | | | | | | 12" CWSP | | | | b | |
| | | c | | | | | 36 | | | | | | | 1 | | | 15" PP | | | | c | |
| | | d | 8.0 | | 225 | | | | | | | | | | | | CITY MH | 6.85' Lt "TL" 64+89.69 | | | d | |
| | | e | | | | 26 | | | | | | | | | | | 18" PP | | | | e | |
| | | f | 8.2 | | 225 | | | | | | | | | 1 | | | CITY MH | 6.00' Rt "TL" 64+62.93 | | | f | |
| | | g | | | | | | 10 | | | | | | | | | 12" PP | | | | g | |
| | | h | 2.6 | 0.9 | 326 | | | | | | | 1 | 1 | | | | G1 DI W/ ID, GRATE 24-12 | 9.08' Lt "TL" 63+83.67 | | | h | |
| | | i | | | | 75 | | | | | | | | | | | 18" PP | | | | i | |
| | | j | 8.8 | | 225 | | | | | | | | | 1 | | | CITY MH | 6.00' Rt "TL" 63+83.81 | | | j | |
| | | k | | | | | | 11 | | | | | | | | | 12" PP | | | | k | |
| | | l | 5.3 | 1.5 | 326 | | | | | | | 1 | 1 | | | | G1 DI W/ ID, GRATE 24-12 | 9.08' Lt "TL" 63+83.67 | | | l | |
| | | m | | | | 114 | | | | | | | | | | | 18" PP | | | | m | |
| | | n | 5.4 | 1.5 | 326 | | | | | | | 1 | 1 | | | | G1 DI W/ ID, GRATE 24-12 | 8.20' Lt "TL" 62+67.25 | | | n | |
| | | o | | | | | | 10 | | | | | | | | | 12" PP | | | | o | |
| | | p | 8.0 | | 225 | | | | | | | | | 1 | | | CITY MH | 6.00' Rt "TL" 62+67.25 | | | p | |
| | | q | | | | 11 | | | | | | | | | | | 18" PP | | | | q | |
| D-2 | 4 | a | | | | | | | 21 | | | | | | | | 12" CWSP | | D-2 | 4 | a | |
| | | b | 3.7 | 1.1 | 326 | | | | | | | 1 | 1 | | | | G1 DI W/ ID, GRATE 24-12 | 12.56' Lt "TL" 68+08.17 | | | b | |
| | | c | | | | | 14 | | | | | | | 1 | | | 18" PP | | | | c | |
| | | d | 7.4 | | 225 | | | | | | | | | | | | CITY MH | 6.00' Rt "TL" 68+10.92 | | | d | |
| | | e | | | | 16 | | | | | | | | | | | 18" PP | | | | e | |
| | | f | 5.0 | 1.4 | 326 | | | | | | | 1 | 1 | | | | G1 DI W/ ID, GRATE 24-12 | 15.29' Lt "TL" 68+28.25 | | | f | |
| | | g | | | | | | 17 | | | | | | | | | 12" PP | | | | g | |
| | | h | 9.1 | | 225 | | | | | | | | | 1 | | | CITY MH | 6.00' Rt "TL" 68+30.94 | | | h | |
| | | i | | | | 141 | | | | | | | | | | | 18" PP | | | | i | |
| | | j | 4.0 | 1.2 | 326 | | | | | | | 1 | 1 | | | | G1 DI W/ ID, GRATE 24-12 | 12.99' Lt "TL" 69+66.30 | | | j | |
| | | k | | | | | | 16 | | | | | | | | | 12" PP | | | | k | |
| | | l | 17.2 | | 225 | | | | | | | | | 1 | | | CITY MH | 6.00' Rt "TL" 69+66.30 | | | l | |
| | | m | | | | 160 | | | | | | | | | | | 18" PP | | | | m | |
| | | n | 5.3 | 1.5 | 326 | | | | | | | 1 | 1 | | | | G1 DI W/ ID, GRATE 24-12 | 10.55' Lt "TL" 71+05.45 | | | n | |
| | | o | | | | | | 14 | | | | | | | | | 12" PP | | | | o | |
| | | p | 17.2 | | 225 | | | | | | | | | 1 | | | CITY MH | 6.00' Rt "TL" 71+05.45 | | | p | |
| | | q | | | | 90 | | | | | | | | | | | 18" PP | | | | q | |
| | | r | 11.9 | 5.7 | 326 | | | | | | | 1 | 1 | | | | G2 DI W/ ID, GRATE 24-12 | 13.55' Rt "TL" 72+67.62 | | | r | |
| | | s | | | | 19 | | | | | | | | | | | 18" PP | | | | s | |
| | | t | | | | | | | | 1 | | | | | | | 18" AFES | 32.43' Rt "TL" 72+67.62 | | | t | |
| | | u | 3.7 | 2.2 | 652 | | | | | | | | | | 7 | 24 | RSP | | | | u | |
| | | v | | | | | | | | | | 1 | 1 | | | | G1MB DI, (2) GRATE 24-12 | 46.16' Rt "TL" 75+17.63 | | | v | |
| | | w | | | | 13 | | | | | | | | | | | 18" PP W/ PIPE CONNECTION | | | | w | |
| | | | | | | | | | | | | | | | | | DQ-2 TOTAL | | | | | |

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

DRAINAGE QUANTITIES
NO SCALE

| | | | | | | | |
|--------------------------------|---------------------------------|--|---|--|---|---|--------------------|
| REVISOR | DATE | DESIGNED BY: R. SAGASTUME DRAWN BY: R. SAGASTUME CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE PLANS APPROVAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| | CADD FILENAME => YBISI.d002.dgn | | | | | | |
| | CONTRACT NO. | | | | | | |
| | | | | | | | |
| PROJECT DESCRIPTION | | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | SHEET NAME: DQ-2 SHEET NO.: 71 TOTAL SHEETS: | |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | |  | | LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:35:12 PM | |





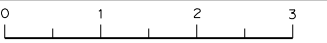
X:\YB\STRUCTURES\000_CAD_Sheets\1A-Drainage\1A-Quant\1A-Quant.dgn

DRAINAGE QUANTITIES

| DRAINAGE SHEET No. | DRAINAGE SYSTEM No. | DRAINAGE UNIT | DRAINAGE INLETS | | | MINOR CONCRETE (BACKFILL) | 18" PLASTIC PIPE | 15" PLASTIC PIPE | 12" PLASTIC PIPE | 12" COATED WELDED STEEL PIPE (0.134" THICK) | 18" FLARED END SECTION | TRASH CAPTURE DEVICE | DRAINAGE INLET MARKER | INLET DEPRESSION | MANHOLE | ROCK SLOPE PROTECTION (LIGHT, METHOD B) | ROCK SLOPE PROTECTION FABRIC (CLASS 8) | DESCRIPTION | STATION | DRAINAGE SHEET No. | DRAINAGE SYSTEM No. | DRAINAGE UNIT |
|--------------------|---------------------|---------------|-------------------------|-----------------------------------|---------------------|---------------------------|------------------|------------------|------------------|---|------------------------|----------------------|-----------------------|------------------|---------|---|--|------------------------|------------|--------------------|---------------------|---------------|
| | | | HEIGHT OF INLET "H" (N) | STRUCTURE CONCRETE DRAINAGE INLET | Misc IRON AND STEEL | | | | | | | | | | | | | | | | | |
| | | | FT | CY | LB | | | | | | | | | | | | | | | | | |
| D-2 | 5 | a | 11.0 | | 225 | | | 18 | | | | | | 1 | | | CITY MH | 6.07' L+ "L" 72+25.00 | D-2 | 5 | a | |
| | | b | | | | | | | | | | | 1 | 1 | | | G1 DI W/ ID, GRATE 24-12X | 16.25' R+ "L" 72+38.50 | | | b | |
| | | c | 8.5 | 2.2 | 239 | | 163 | | | | | | | | | | 18" PP | | | | c | |
| | | d | | | | | | | | | | | | 1 | | | CITY MH | 6.00' L+ "L" 70+80.93 | | | d | |
| | | e | 8.0 | | 225 | | | | | | | | | 1 | | | 12" PP | | | | e | |
| | | f | | | | | | 10 | | | | | | | | | G1 DI W/ ID, GRATE 24-12 | 20.19' L+ "L" 70+80.93 | | | f | |
| | | g | 4.4 | 1.3 | 326 | | | | | | | | 1 | 1 | | | 15" PP | | | | g | |
| | | h | | | | | 11 | | | | | | | | | | 12" CWSP | | | | h | |
| | | i | | | | | | | 17 | | | | | | | | G1M DI IN WALL GUTTER, GRATE 18-9 | | | | i | |
| | | j | 1.2 | 1.0 | 249 | | | | | | | | 1 | | | | 18" PP | | | | j | |
| | | k | | | | | 109 | | | | | | | | | | G1 DI W/ ID, GRATE 24-12 | 2.17' R+ "L" 71+44.44 | | | k | |
| | | l | 3.4 | 1.0 | 326 | | | | | | | | 1 | 1 | | | 12" PP | | | | l | |
| | | m | | | | | | 8 | | | | | | | | | CITY MH | 5.00' R+ "L" 71+44.44 | | | m | |
| | | n | 7.4 | | | | 85 | | | | | | | | 1 | | 18" PP | | | | n | |
| | | o | | | | | | | | | | | | | | | CITY MH | 27.93' R+ "L" 70+36.42 | | | o | |
| | | p | 9.1 | | 225 | | | | | | | | | | | | 18" PP | | | | p | |
| | | q | | | | | 72 | | | | | | | | | | G1 DI W/ ID, GRATE 24-12 | 20.19' L+ "L" 69+65.87 | | | q | |
| | | r | 5.4 | 1.5 | 326 | | | | | | | | | | | | 12" PP | | | | r | |
| | | s | | | | | | | | | | | 1 | 1 | | | CITY MH | 6.00' L+ "L" 69+65.77 | | | s | |
| | | t | 8.2 | | 225 | | | | | | | | | 1 | | | 18" PP | | | | t | |
| | | u | | | | | 23 | | | | | | | | | | G2 DI W/ ID, GRATE 24-12 | 18.28' R+ "L" 69+65.58 | | | u | |
| | | v | 8.0 | 4.1 | 326 | | | | | | | | | | | | 18" PP | | | | v | |
| | | w | | | | | 149 | | | | | | | | | | CITY MH | 6.00' L+ "L" 68+10.47 | | | w | |
| | | x | 7.6 | | 220 | | | | | | | | | 1 | | | 12" PP | | | | x | |
| | | y | | | | | | 12 | | | | | | | | | G1 DI W/ ID, GRATE 24-12 | 21.62' L+ "L" 68+05.54 | | | y | |
| | | z | 5.3 | 1.5 | 326 | | | | | | | | | | | | 18" PP | | | | z | |
| | | aa | | | | | 37 | | | | | | | | | | G2 DI W/ ID, GRATE 24-12 | 33.3 R+ "L" 68+23.50 | | | aa | |
| | | bb | 9.1 | 4.5 | 326 | | | | | | | | | | | | | | | | bb | |
| | | | | | 17 | 3564 | 0 | 638 | 11 | 58 | 17 | 0 | 0 | 8 | 7 | 6 | 0 | 0 | DQ-3 TOTAL | | | |
| | | | | | 18 | 5309 | 0 | 681 | 36 | 78 | 79 | 1 | 1 | 10 | 8 | 8 | 7 | 24 | DQ-2 TOTAL | | | |
| | | | | | 15 | 4570 | 0 | 994 | 11 | 124 | 17 | 1 | 1 | 8 | 6 | 8 | 7 | 24 | DQ-1 TOTAL | | | |
| | | | | | 50 | 13443 | 0 | 2313 | 58 | 259 | 113 | 2 | 2 | 26 | 21 | 22 | 14 | 48 | TOTAL | | | |

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

DRAINAGE QUANTITIES
NO SCALE





| | | | | | | | | | | | | | | |
|--------------------------------|--------------|--|------------------------------------|--|---|---|---|---------------------------|---------------------|-----------------------------|---------------------|--------------|-----------|--------------|
| REVISD BY | DATE REVISED | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: R. SAGASTUME |  REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmcorporation.com |  |  | USERNAME => sdwyer | | | | | | |
| | | | DRAWN BY: R. SAGASTUME | | | | | REGISTERED CIVIL ENGINEER | PLANS APPROVAL DATE | PLANS APPROVAL DATE | PLANS APPROVAL DATE | CONTRACT NO. | | |
| | | | CHECKED BY: S. DWYER | | | | | | | | | SHEET NAME | SHEET NO. | TOTAL SHEETS |
| | | | APPROVED BY: D. DICKINSON | | | | | | | | | DQ-3 | 72 | |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES | | |  | | | LAST REVISION | DATE PLOTTED => 11/17/2019 | | | | |
| | | | | | | | | | 11-15-19 | TIME PLOTTED => 10:35:14 PM | | | | |

X:\YB1_STRUCTURE\000_CAD_Sheets\1A-Drainage\1D-Quantities\YB1s1.d003.dgn

DRAINAGE REMOVAL QUANTITIES

| DRAINAGE SHEET No. | DRAINAGE SYSTEM No. | DRAINAGE UNIT | REMOVE INLET | REMOVE CULVERT | REMOVE MANHOLE | | |
|--------------------|---------------------|---------------|--------------|----------------|----------------|---|--|
| | | | EA | | | | |
| D-3 | 6 | a | | 1 | | | |
| | | b | 1 | | | | |
| | | c | 1 | | | | |
| | | d | | 1 | | | |
| | | e | | 1 | | | |
| | | f | | 1 | | | |
| | | g | 1 | | | | |
| | | h | | 1 | | | |
| D-3 | 7 | a | | 1 | | | |
| | | b | 1 | | | | |
| | | c | | 1 | | | |
| | | d | | 1 | | | |
| | | e | 1 | | | | |
| | | f | | 1 | | | |
| | | g | | 1 | | | |
| | | h | | | 1 | | |
| | | i | | 1 | | | |
| | | j | 1 | | | | |
| | | k | | 1 | | | |
| D-3 | 8 | a | | 1 | | | |
| | | b | | 1 | | | |
| | | c | 1 | | | | |
| | | d | | 1 | | | |
| | | e | 1 | | | | |
| | | D-3 | 9 | a | | 1 | |
| | | | | b | | 1 | |
| | | | | c | | 1 | |
| d | | | | 1 | | | |
| e | 1 | | | | | | |
| f | | | | 1 | | | |
| g | 1 | | | | | | |
| h | | | | 1 | | | |
| i | 1 | | | | | | |
| j | | 1 | | | | | |
| k | | 1 | | | | | |
| l | | 1 | | | | | |
| m | 1 | | | | | | |
| n | | 1 | | | | | |
| o | 1 | | | | | | |
| | | | 1 | | | | |
| TOTAL | | | 15 | 28 | 1 | | |

DRAINAGE QUANTITIES
NO SCALE

| | | | | | | | | | |
|--------------------------------|--------------|--|---|--|--|---|---|---------------------|--|
| REVISOR | DATE REVISOR | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: D. GALVEZ |  REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | |
| | | | DRAWN BY: D. GALVEZ | | | | | | CADD FILENAME => YBISI.d004.dgn |
| | | | CHECKED BY: S. DWYER | | | | | | CONTRACT NO. |
| | | | APPROVED BY: D. DICKINSON | | | | | PLANS APPROVAL DATE | SHEET NAME SHEET NO. TOTAL SHEETS DQ-4 73 |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | | LAST REVISION DATE PLOTTED => 11/17/2019 11-15-19 TIME PLOTTED => 10:35:15 PM | | | | |

X:\YB\STRUCTURES\000_CAD_Sheets\1A-Drainage\1D-Quantities\YBISI.d004.dgn

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY.
- LOCATION OF UTILITY FACILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- STORM DRAIN FACILITIES ARE NOT SHOWN ON THESE PLANS. SEE DRAINAGE PLANS FOR EXISTING CONDITIONS AND CONSTRUCTION OF NEW FACILITIES.
- FOR POTHOLE INFORMATION, SEE SHEET UD-1.
- ELEVATIONS SHOWN REFER TO THE TOP OF PIPE OR CONDUIT, UNLESS OTHERWISE STATED.
- NO ACTIVE CABLES IN CONDUIT. CONTRACTOR SHALL REPLACE CONDUIT IF DAMAGED OR DISTURBED.

LEGEND:

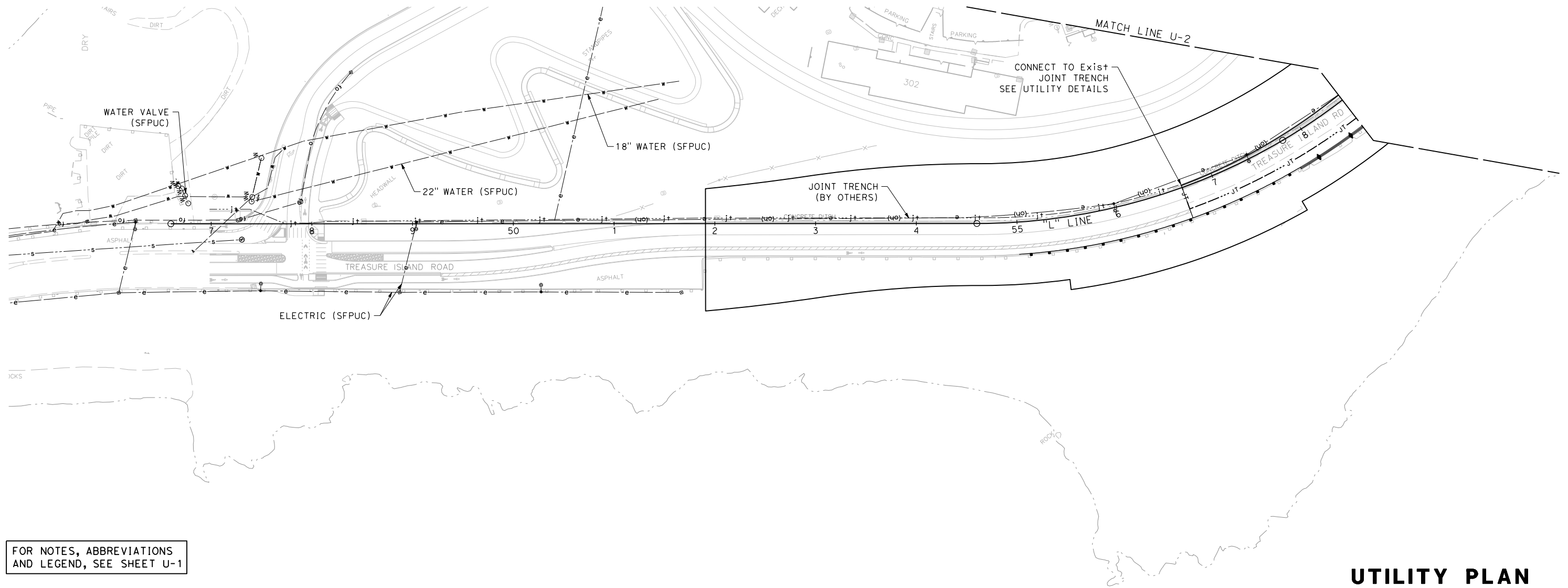
| | |
|----------|--|
| —e— | EXISTING ELECTRIC |
| —e—(oh)— | EXISTING OVERHEAD ELECTRIC |
| —t— | EXISTING TELEPHONE |
| —t+c— | EXISTING TELECOM |
| —fo— | EXISTING FIBER OPTIC |
| —w— | EXISTING WATER LINE |
| —gs— | EXISTING GAS LINE |
| —s— | EXISTING SANITARY SEWER |
| ⊙ | EXISTING MANHOLE |
| ⊗ | POTHOLE LOCATION NUMBER |
| ⊙ | POTHOLE LOCATION SYMBOL |
| ⊙ | EXISTING UTILITY POLE |
| ⊙* | EXISTING ELECTROLIER |
| | PREVIOUSLY ABANDONED UTILITY (BY OTHERS) |

UTILITY

OWNERSHIP

ABBREVIATIONS:

| | |
|------|--------------------------|
| C | COMMUNICATION |
| E | ELECTRICAL |
| FO | FIBER OPTIC |
| JT | JOINT TRENCH |
| KV | KILOVOLTS |
| PG&E | PACIFIC GAS AND ELECTRIC |
| SS | SANITARY SEWER |
| STL | STEEL |
| T | TELEPHONE |
| TV | TELEVISION |
| VAC | VACANT |
| WM | WATER METER |
| W | WIRE |

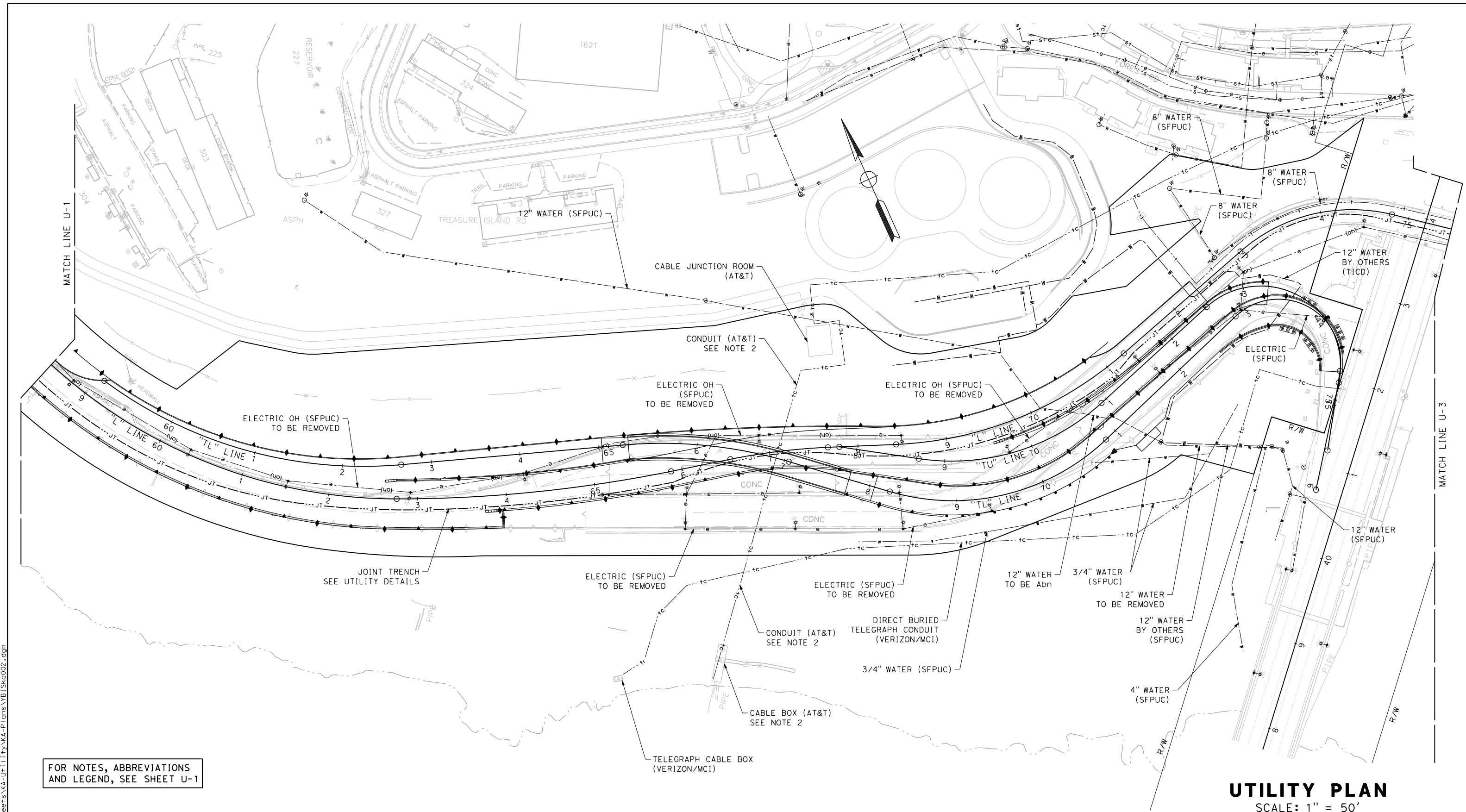


FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

UTILITY PLAN
SCALE: 1" = 50'

| | | | | | | | | | |
|--------------------------------|------|--|--|---------------------------|----------------------|---|--|--|---------------------------------|
| REVISOR | DATE | DESIGNED BY: S. DWYER DRAWN BY: S. DWYER CHECKED BY: D. DICKINSON APPROVED BY: D. DICKINSON | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | | USERNAME => sdwyer |
| | | | | | | | | | CADD FILENAME => YBISk-a001.dgn |
| | | | | | | | | | CONTRACT NO. |
| | | | | | | | | | |
| PROJECT DESCRIPTION | | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | SHEET NAME |
| BORDER LAST REVISED 11/15/2019 | | | | | | | | | SHEET NO. |
| | | | | | | | | | TOTAL SHEETS |
| | | | | | | | | | U-1 |
| | | | | | | | | | 74 |
| | | | | | | | | | LAST REVISION |
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| | | | | | | | | | TIME PLOTTED => 10:35:18 PM |

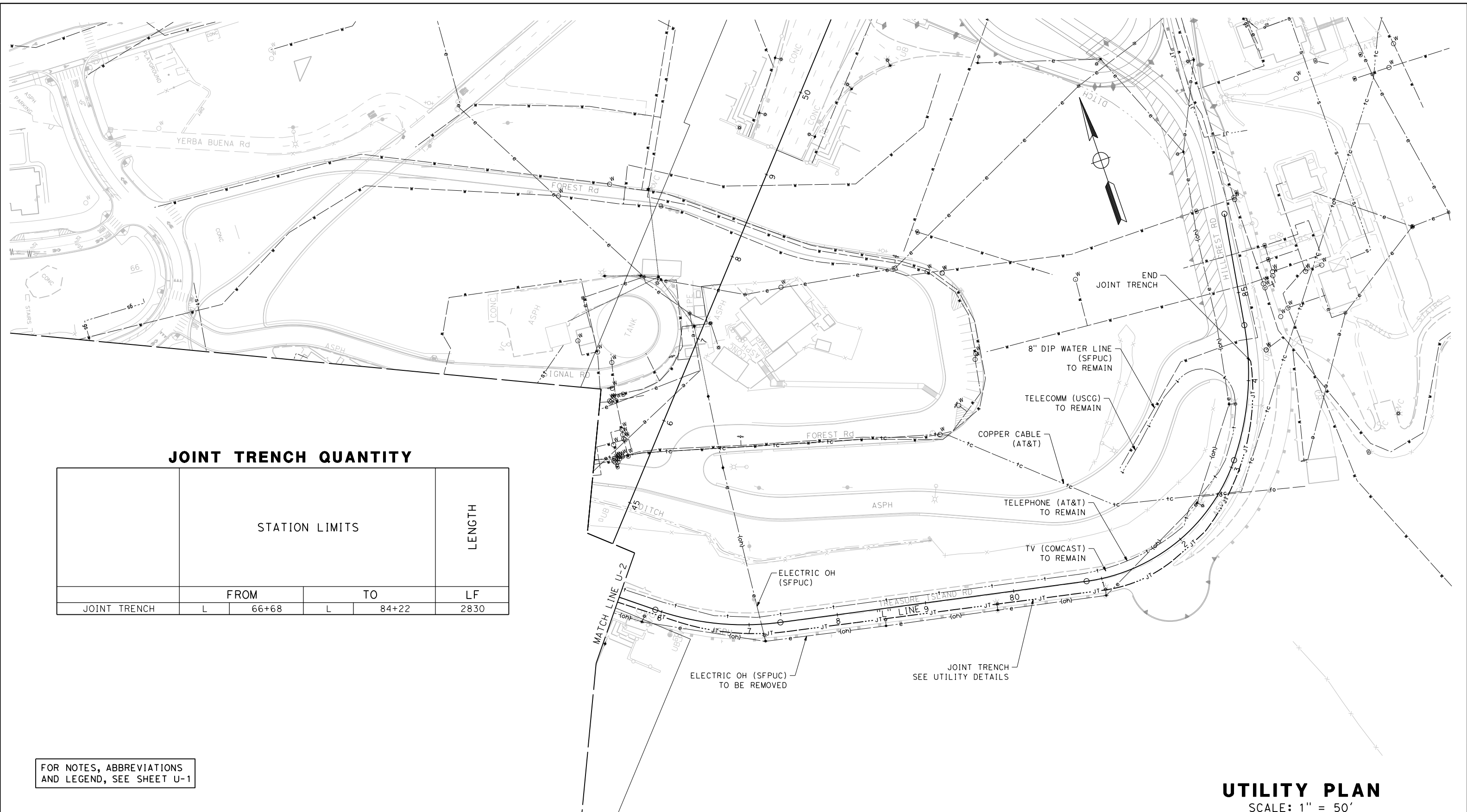
X:\YB\STRUCTURES\000_CAD_Sheets\KA-UH\11\try\KA-Plans\YBISk-a001.dgn



FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

UTILITY PLAN
SCALE: 1" = 50'

| | | | | | | | | | | |
|--------------------------------|------|---|--|---|---|--|--|---------------------------------|-----------------------------|--------------|
| REVISOR | DATE | DESIGNED BY: S. DWYER | | REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE | | | | USERNAME => sdwyer | | |
| | | DRAWN BY: S. DWYER | | | | | | CADD FILENAME => YB1Sk-a002.dgn | | |
| | | CHECKED BY: D. DICKINSON | | | | | | CONTRACT NO. | | |
| | | APPROVED BY: D. DICKINSON | | | | | | | | |
| PROJECT DESCRIPTION | | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | PLANS APPROVAL DATE | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | | SHEET NAME | SHEET NO. | TOTAL SHEETS |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | | 0 1 2 3 | | | | U-2 | 75 | |
| | | | | | | | | LAST REVISION | DATE PLOTTED => 11/18/2019 | |
| | | | | | | | | 11-15-19 | TIME PLOTTED => 12:13:13 AM | |



JOINT TRENCH QUANTITY

| STATION LIMITS | FROM | | TO | | LENGTH |
|----------------|------|-------|----|-------|--------|
| | L | LF | L | LF | |
| JOINT TRENCH | L | 66+68 | L | 84+22 | 2830 |

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

UTILITY PLAN
SCALE: 1" = 50'

| | | | | | | |
|--|--|---|--|---|--|--|
| DESIGNED BY: S. DWYER DRAWN BY: S. DWYER CHECKED BY: D. DICKINSON APPROVED BY: D. DICKINSON | | REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE _____ PLANS APPROVAL DATE _____ | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer CADD FILENAME => YB1Sk-a003.dgn CONTRACT NO. _____ |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | SHEET NAME: U-3 SHEET NO.: 76 TOTAL SHEETS: _____ | | LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:35:22 PM |

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BORDER LAST REVISED 11/15/2019

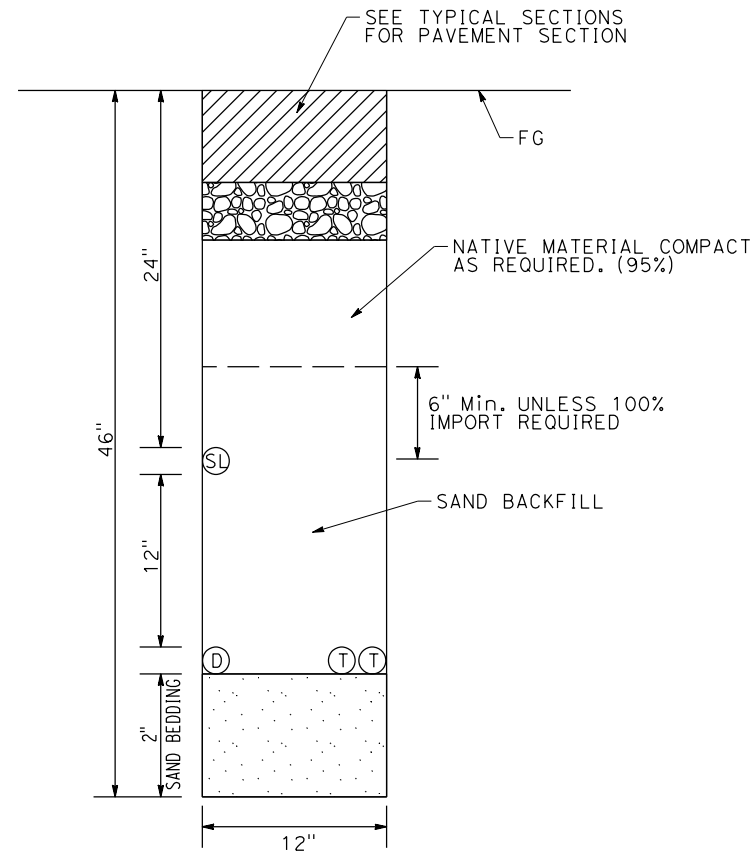


NOTES:

- TRENCH COVER AND CLEARANCES SHOWN ARE MINIMUM ONLY AND MAY REQUIRE ALTERATIONS TO SUIT FIELD CONDITIONS.
- ALL FACILITIES MUST BE A MINIMUM OF 12" DEPTH BELOW THE SUBGRADE.

LEGEND:

- Ⓛ 4" STREET LIGHT
- ⓓ 4" D.T.I.S.
- Ⓣ 4" TIMMA TOLLING



JOINT TRENCH DETAIL

UTILITY DETAILS
NO SCALE

| | | | | | | | | |
|---|------------------------------|------------------------------------|---------------------------|----------------------|--|--|--|---|
| REVISIONS | DESIGNED BY: S. DWYER | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | | | | USERNAME => sdwyer |
| | DRAWN BY: S. DWYER | | | | | | | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |
| | CHECKED BY: D. DICKINSON | | | | | | | CONTRACT NO. |
| | APPROVED BY: D. DICKINSON | | | PLANS APPROVAL DATE | | | | |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | | SHEET NAME |
| PROJECT DESCRIPTION | | | | | | | | SHEET NO. |
| | | | | | | | | TOTAL SHEETS |
| | | | | | | | | UD-1 |
| | | | | | | | | 77 |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | | 0 1 2 3 | | | | LAST REVISION |
| | | | | | | | | DATE PLOTTED => 11/17/2019 |
| | | | | | | | | TIME PLOTTED => 10:35:23 PM |

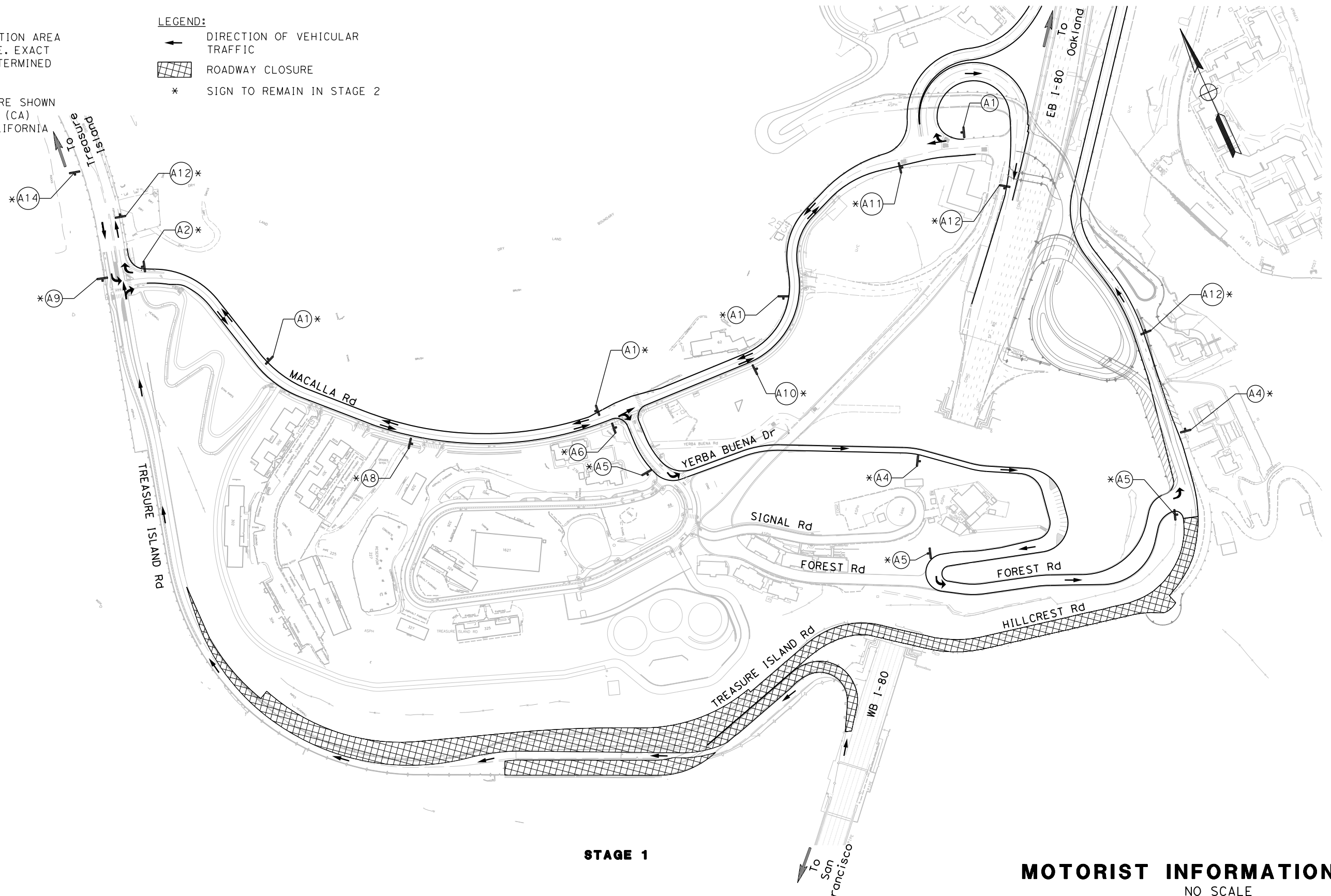
X:\YBI_STRUCTURE\000_CAD_Sheets\KA-UH\11\try\KB-Detail.lis\YBISk001.dgn

NOTES:

1. LOCATION OF CONSTRUCTION AREA SIGNS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. FEDERAL SIGN CODES ARE SHOWN UNLESS DESIGNATED BY (CA) WHICH INDICATES A CALIFORNIA SIGN.

LEGEND:

- DIRECTION OF VEHICULAR TRAFFIC
- ▨ ROADWAY CLOSURE
- * SIGN TO REMAIN IN STAGE 2




MOTORIST INFORMATION PLAN
NO SCALE

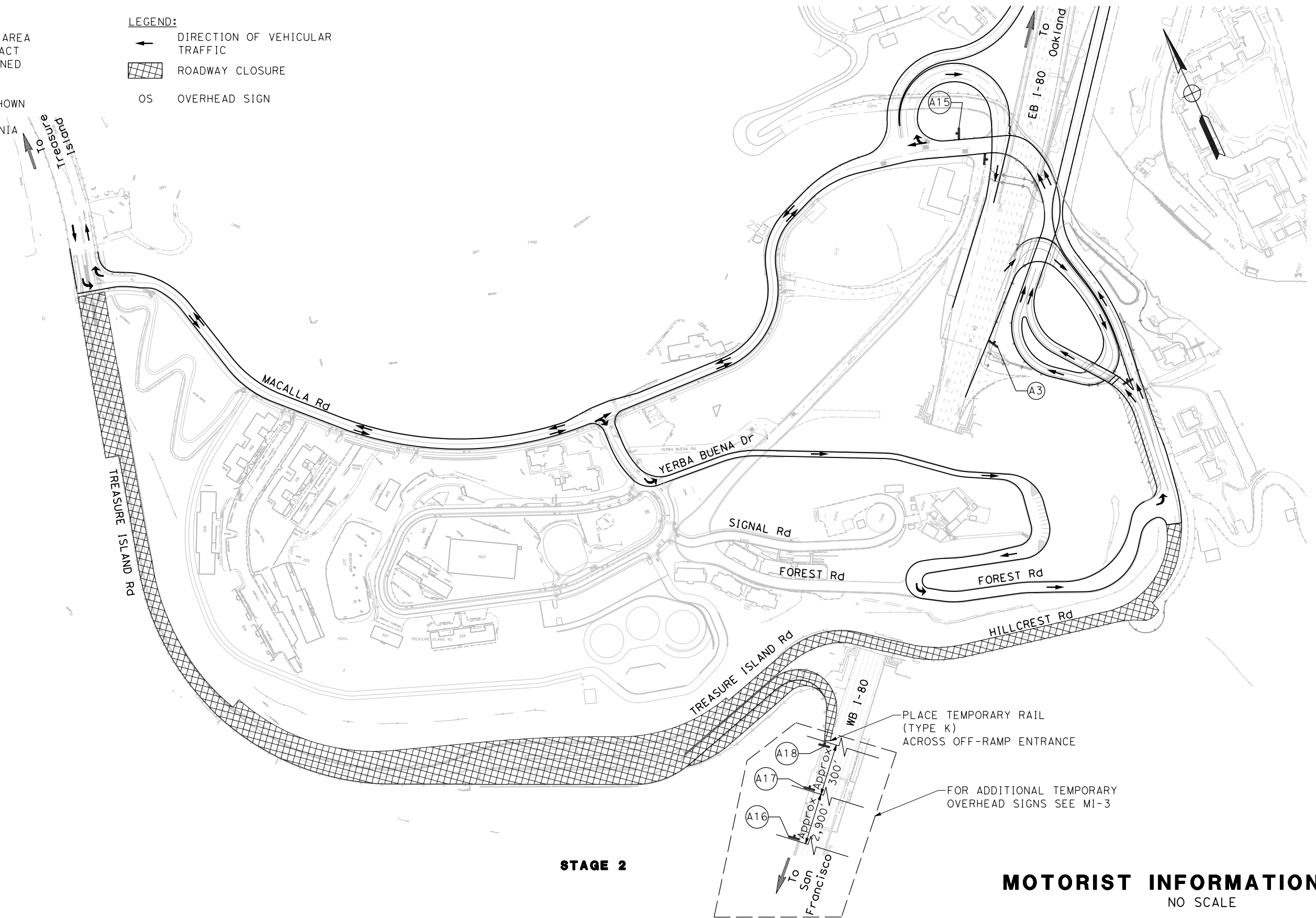
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|---|------------------------------|--|------------------------------------|--|--|--|--|-----------------------------------|
| REVISIONS | DESIGNED BY: D. GALVEZ | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer |
| | DRAWN BY: D. GALVEZ | | | | | | | CADD FILENAME => YBIS1b001.dgn |
| | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. |
| | APPROVED BY: D. DICKINSON | | | | | | | |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | | | SHEET NAME |
| PROJECT DESCRIPTION | | | | | | | | SHEET NO. |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES | 0 1 2 3 | | | | TOTAL SHEETS |
| | | | | | | | | MI-1 |
| | | | | | | | | 78 |
| | | | | | | | | LAST REVISION |
| | | | | | | | | DATE PLOTTED => 11/17/2019 |
| | | | | | | | | 11-15-19 |
| | | | | | | | | TIME PLOTTED => 10:35:26 PM |

NOTES:

1. LOCATION OF CONSTRUCTION AREA SIGNS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. FEDERAL SIGN CODES ARE SHOWN UNLESS DESIGNATED BY (CA) WHICH INDICATES A CALIFORNIA SIGN.




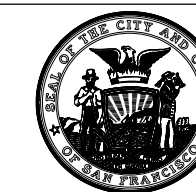
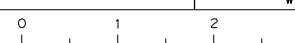
LEGEND:

- ← DIRECTION OF VEHICULAR TRAFFIC
-  ROADWAY CLOSURE
- OS OVERHEAD SIGN

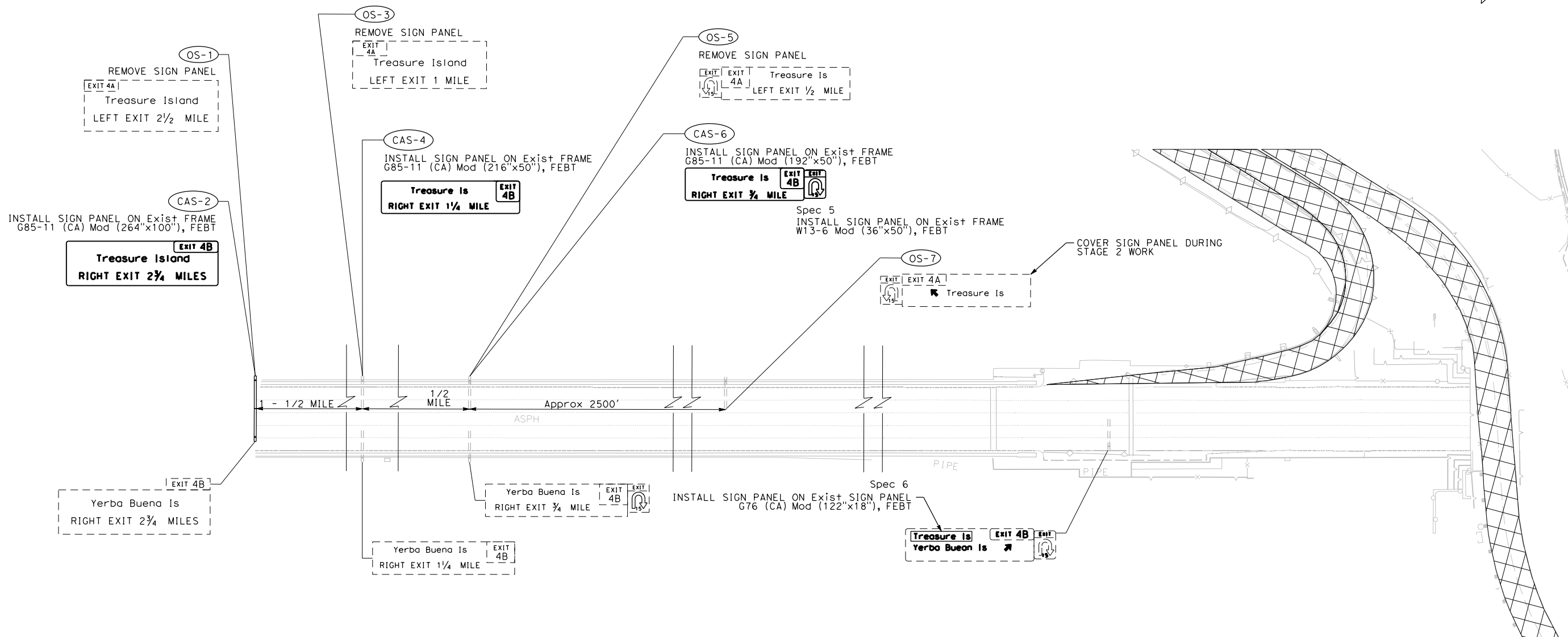
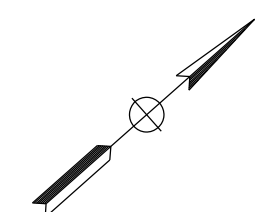


STAGE 2

MOTORIST INFORMATION PLAN
NO SCALE

| | | | | | | | | |
|--|------------------------------|--|------------------------------------|---|--|---|---|---|
| REVISIONS | DESIGNED BY: D. GALVEZ |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| | DRAWN BY: D. GALVEZ | | | | | | | CADD FILENAME => YB1S1b002.dgn |
| | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. |
| | APPROVED BY: D. DICKINSON | | | | | | | |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | | | PLANS APPROVAL DATE | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | SHEET NAME MI-2 |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES |  | | | | SHEET NO. 79 |
| | | | | | | | | TOTAL SHEETS LAST REVISION 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:35:28 PM |






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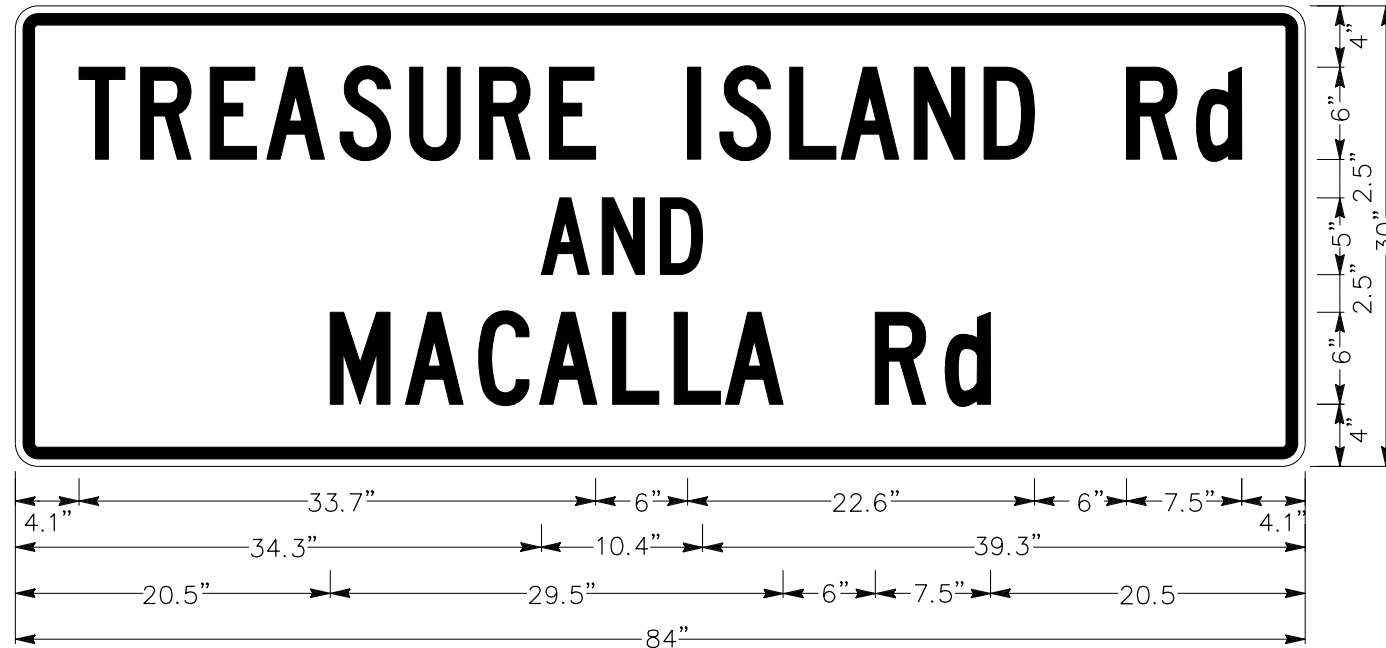
STAGE 2

MOTORIST INFORMATION PLAN

NO SCALE

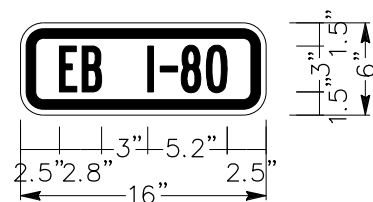
| | | | | | | | | | | | | | | | |
|--------------------------------|-----------|--|--|---------------------------|----------------------|--|---|--|--------------------------------|------------|-----------|--------------|-------------|-----------|--|
| REVISOR | DATE | DESIGNED BY: D. GALVEZ DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> |  |  | USERNAME => sdwyer | | | | | | |
| | | | | | | | | | CADD FILENAME => YB1S1b003.dgn | | | | | | |
| | | | | | | | | | CONTRACT NO. | | | | | | |
| | | | | | | | | | | | | | | | |
| PROJECT DESCRIPTION | | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | PLANS APPROVAL DATE | |  | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>MI-3</td> <td>80</td> <td></td> </tr> </table> | | SHEET NAME | SHEET NO. | TOTAL SHEETS | MI-3 | 80 | |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | | |
| MI-3 | 80 | | | | | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | | | | | | LAST REVISION 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:35:30 PM | | | | | | | |

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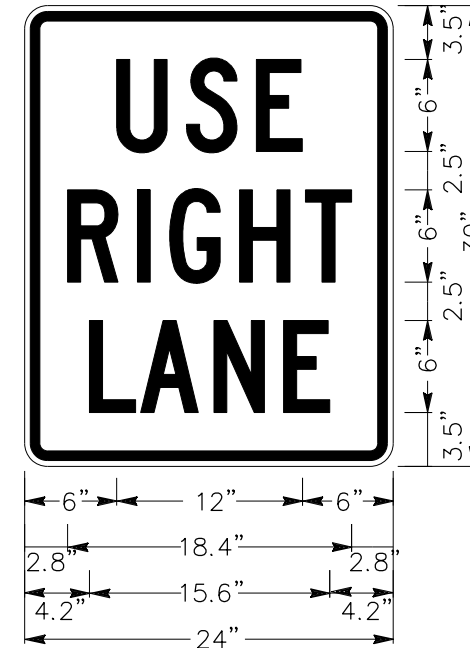
1.5" Radius, 0.8" Border, 0.5" Indent, Black on White
 [Treasure Island Rd] C; [AND] C; [MACALLA Rd] C;

Spec 1



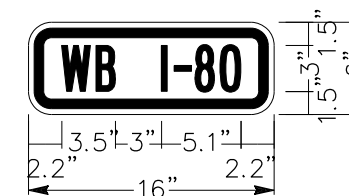
1.5" Radius, 0.6" Border, 0.4" Indent, Black on Orange;
 [EB I-80] B 80% spacing;

Spec 2



1.5" Radius, 0.6" Border, 0.4" Indent, Black on White
 [USE] C; [RIGHT] C; [LANE] C;

Spec 4



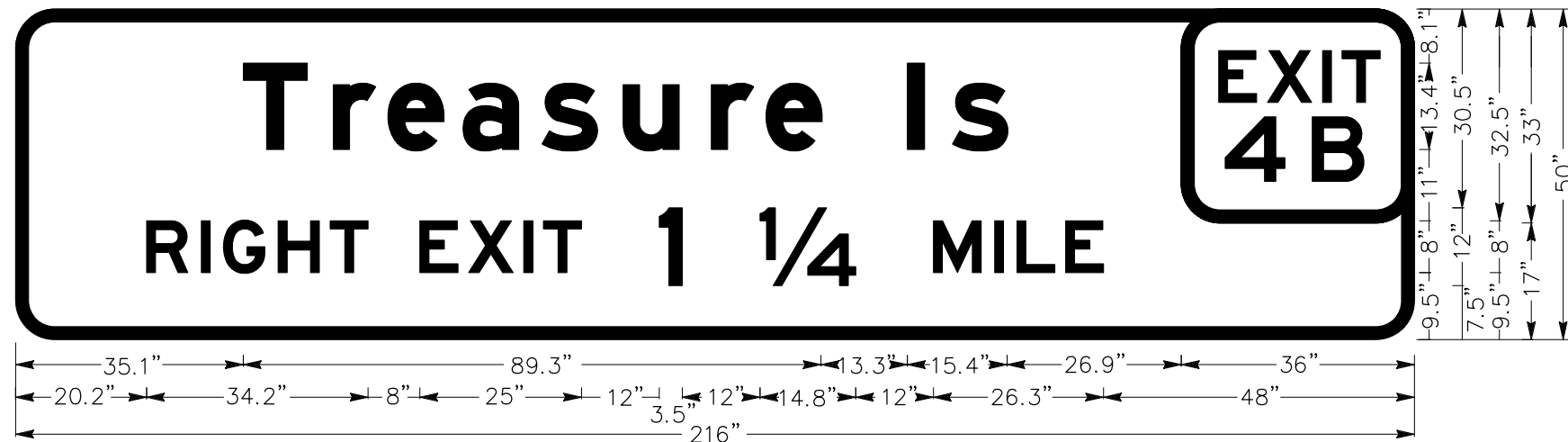
1.5" Radius, 0.6" Border, 0.4" Indent, Black on Orange;
 [WB I-80] B 80% spacing;

Spec 3

MOTORIST INFORMATION DETAILS
 NO SCALE

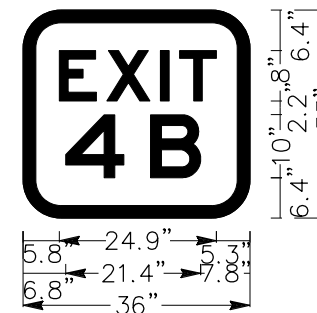
| | | | | | | | | | | |
|--|------------------------------|--|---------------------------|---|--|---------------|----------------------------|--|-----------------------------|-----------|
| REVISIONS | DESIGNED BY: S. DWYER | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer | | |
| | DRAWN BY: S. DWYER | | | | | | | CADD FILENAME => YB1S1b004.dgn | | |
| | CHECKED BY: D. DICKINSON | | | | | | | CONTRACT NO. | | |
| | APPROVED BY: D. DICKINSON | | PLANS APPROVAL DATE | | | | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>MI-4</td> <td>81</td> <td></td> </tr> </table> | SHEET NAME | SHEET NO. |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | |
| MI-4 | 81 | | | | | | | | | |
| PROJECT DESCRIPTION YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | <p>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</p> | | <table border="1"> <tr> <td>LAST REVISION</td> <td>DATE PLOTTED => 11/17/2019</td> </tr> <tr> <td>11-15-19</td> <td>TIME PLOTTED => 10:35:32 PM</td> </tr> </table> | | LAST REVISION | DATE PLOTTED => 11/17/2019 | 11-15-19 | TIME PLOTTED => 10:35:32 PM | |
| LAST REVISION | DATE PLOTTED => 11/17/2019 | | | | | | | | | |
| 11-15-19 | TIME PLOTTED => 10:35:32 PM | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | | | | | | | | |

X:\YB1_STRUCTURE\000_CAD_Sheets\LB-Motorist-Information\YB1S1b004.dgn

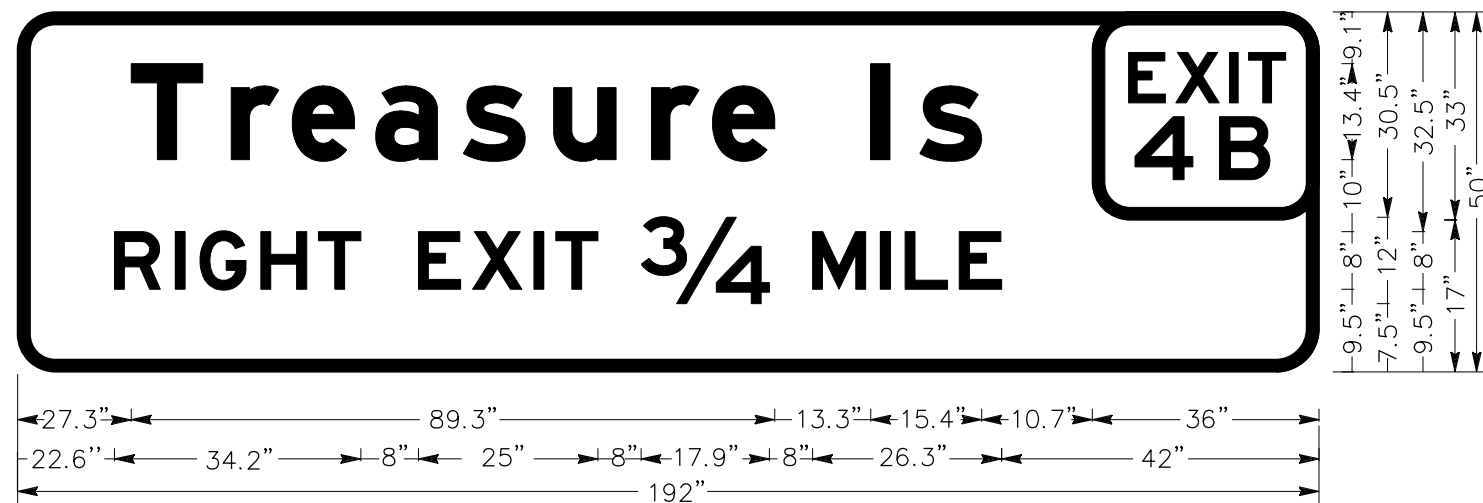


Identifier : G85-11 (CA) Mod
 6.0" Radius, 2.0" Border, Black on Orange;
 [Treasure Is] E Mod; [RIGHT EXIT] E; [1 1/4] E; [MILES] E;
 [EXIT] E; [4B] E;

CAS-4

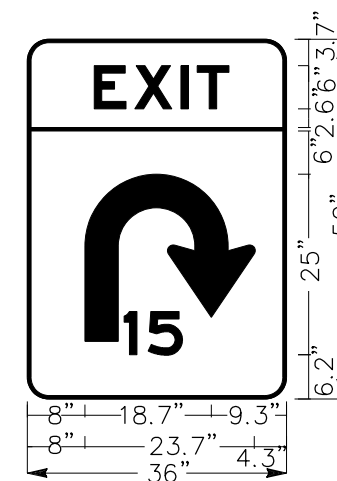


Identifier : G70-4 (CA) Mod
 6.0" Radius, 2.0" Border, Black on Orange;
 [EXIT] E; [4B] E;



Identifier : G85-11 (CA) Mod
 6.0" Radius, 2.0" Border, Black on Orange;
 [Treasure Is] E Mod; [RIGHT EXIT] E; [3/4] E; [MILE] E;
 [EXIT] E; [4B] E;

CAS-6



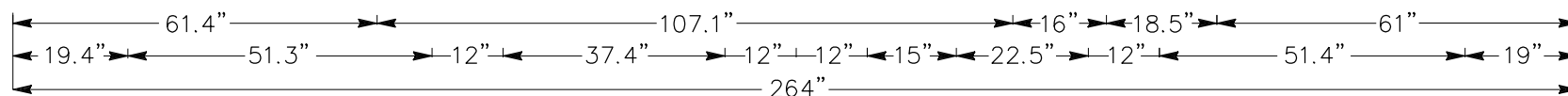
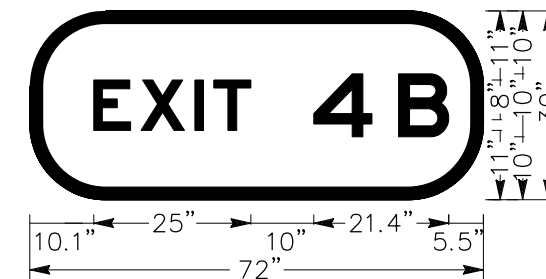
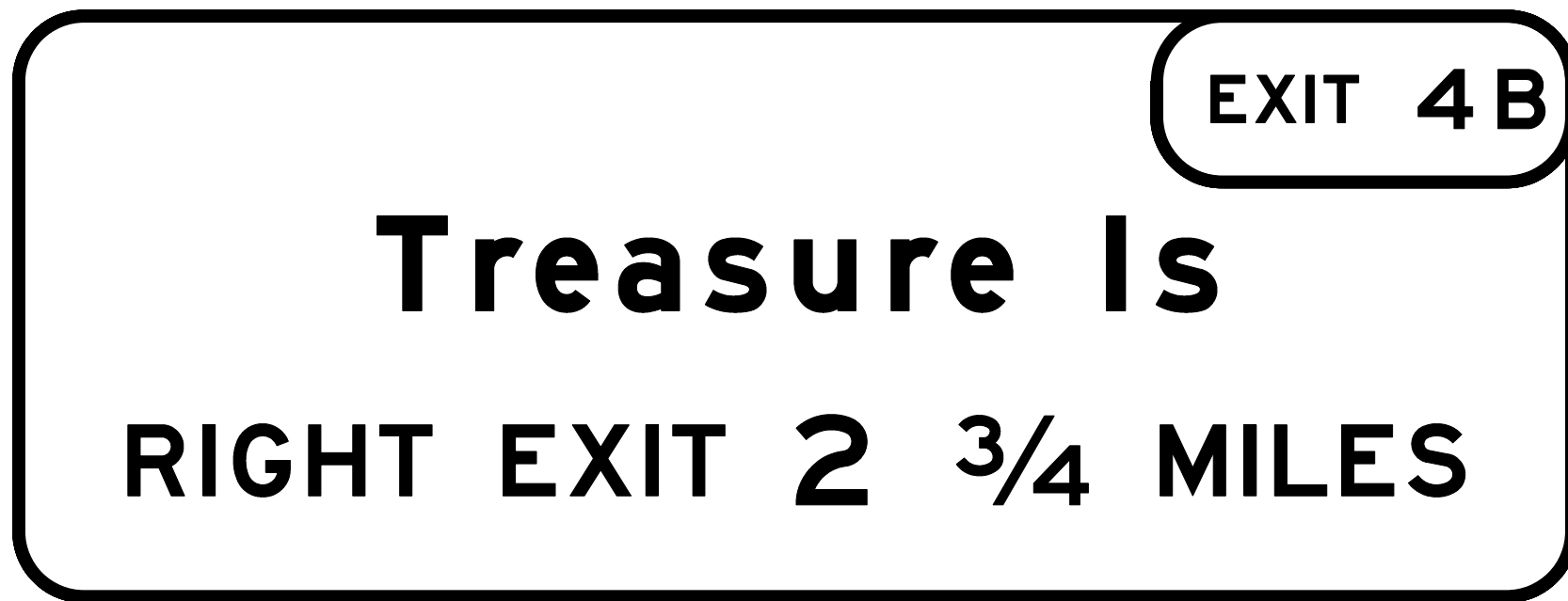
Identifier : W13-6 Mod
 3.0" Radius, 0.5" Border, Black on Yellow;
 [EXIT] E; 15;

Spec 5

MOTORIST INFORMATION DETAILS
 NO SCALE

| REVISIONS | DESIGNED BY: S. DWYER | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer | | |
|--|---|--------------|---------------------------|--|--|--|--|--|---|-----------|
| | DRAWN BY: S. DWYER | | | | | | | CADD FILENAME => YB1S1b005.dgn | | |
| | CHECKED BY: D. DICKINSON | | | | | | | CONTRACT NO. | | |
| | APPROVED BY: D. DICKINSON | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | | | <table border="1"> <tr> <th>SHEET NAME</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> <tr> <td>MI-5</td> <td>82</td> <td></td> </tr> </table> | SHEET NAME | SHEET NO. |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | |
| MI-5 | 82 | | | | | | | | | |
| PROJECT DESCRIPTION YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | RELATIVE BORDER SCALE IS IN INCHES | | | <table border="1"> <tr> <td>LAST REVISION 11-15-19</td> <td>DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:35:34 PM</td> </tr> </table> | LAST REVISION 11-15-19 | DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:35:34 PM | |
| LAST REVISION 11-15-19 | DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:35:34 PM | | | | | | | | | |

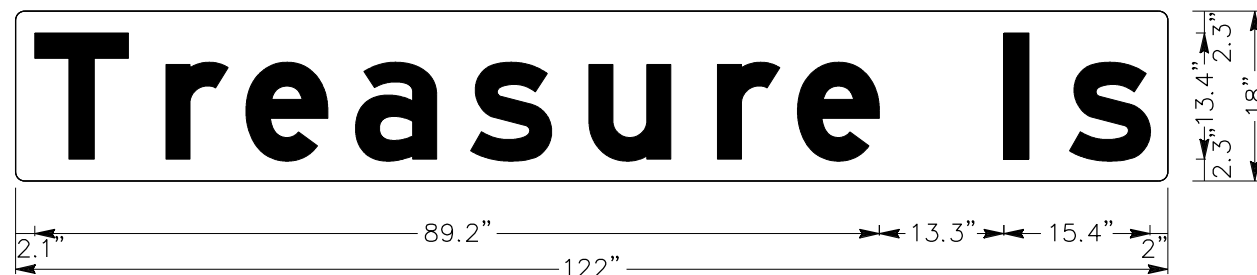
X:\YB1 STRUCTURES\000_CAD_Sheets\LB-Motorist Information\YB1S1b005.dgn



Identifier : G85-11 (CA) Mod
 12.0" Radius, 2.0" Border, Black on Orange;
 [Treasure Is] E Mod; [RIGHT EXIT] E; [2 3/4] E; [MILES] E;
 [EXIT] E; [4B] E

Identifier : G70-2 (CA)
 12.0" Radius, 2.0" Border, Black on Orange;
 [EXIT] E; [4B] E;






CAS-2



Identifier : G76 (CA) Mod
 1" Radius, Black on Orange;
 [Treasure Is] E Mod

Spec 6

MOTORIST INFORMATION DETAILS
 NO SCALE

| REVISED BY | DATE REVISED | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | DESIGNED BY: S. DWYER |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | |
|--------------------------------|--------------|---|------------------------------------|---|---------------------------|--|--|---|---|--|------------|
| | | | DRAWN BY: S. DWYER | | | | | | | CADD FILENAME => YBIS1b006.dgn | |
| | | | CHECKED BY: D. DICKINSON | | | | | | | CONTRACT NO. | |
| | | | APPROVED BY: D. DICKINSON | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | | | <table border="1"> <tr> <th>SHEET NAME</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> <tr> <td>MI-6</td> <td>83</td> <td></td> </tr> </table> | SHEET NAME |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | |
| MI-6 | 83 | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES |  | LAST REVISION | DATE PLOTTED => 11/17/2019 | | | | | |
| | | | | | 11-15-19 | TIME PLOTTED => 10:35:35 PM | | | | | |

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STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

| SIGN No. (X) | SIGN DESIGNATION | PANEL SIZE | SIGN MESSAGE | NUMBER OF POSTS AND SIZE | NUMBER OF SIGNS (N) | |
|------------------|--------------------|------------|-----------------------------------|--------------------------|---------------------|---|
| | | | | | | |
| A1 | SC3 (↑) (CA) | 36" x 12" | ↑ DETOUR | 1 - 4" x 4" | 4 | 0 |
| | Spec 1 | 84" x 30" | TREASURE ISLAND Rd AND MACALLA Rd | | | |
| A2 | SC3 (→) (CA) | 36" x 12" | → DETOUR | 1 - 4" x 4" | 1 | 0 |
| | Spec 1 | 84" x 30" | TREASURE ISLAND Rd AND MACALLA Rd | | | |
| A3 | SC3 (↗) (CA) | 36" x 12" | ↗ DETOUR | 1 - 4" x 4" | 0 | 1 |
| | Spec 1 | 84" x 30" | TREASURE ISLAND Rd AND MACALLA Rd | | | |
| A4 | SC3 (↑) (CA) | 36" x 12" | ↑ DETOUR | 1 - 4" x 4" | 2 | 0 |
| | Spec 2 | 16" x 6" | EB I-80 | | | |
| A5 | SC3 (←) (CA) | 36" x 12" | ← DETOUR | 1 - 4" x 4" | 3 | 0 |
| | Spec 2 | 16" x 6" | EB I-80 | | | |
| A6 | SC3 (→) (CA) | 36" x 12" | → DETOUR | 1 - 4" x 4" | 1 | 0 |
| | Spec 2 | 16" x 6" | EB I-80 | | | |
| A7 | SC3 (↗) (CA) | 36" x 12" | ↗ DETOUR | 1 - 4" x 4" | 0 | 1 |
| | Spec 2 | 16" x 6" | EB I-80 | | | |
| | SC3 (↖) (CA) | 36" x 12" | ↖ DETOUR | | | |
| A8 | Spec 2 | 16" x 6" | WB I-80 | 1 - 4" x 4" | 1 | 0 |
| | SC3 (↑) (CA) | 36" x 12" | ↑ DETOUR | | | |
| | Spec 3 | 16" x 6" | WB I-80 | | | |
| | SC3 (→) (CA) | 36" x 12" | → DETOUR | | | |
| A9 | Spec 2 | 16" x 6" | EB I-80 | 1 - 4" x 4" | 1 | 0 |
| | Spec 3 | 16" x 6" | WB I-80 | | | |
| | SC3 (←) (CA) | 36" x 12" | ← DETOUR | | | |
| A10 | Spec 2 | 16" x 6" | EB I-80 | 1 - 4" x 4" | 1 | 0 |
| | Spec 3 | 16" x 6" | WB I-80 | | | |
| A11 | SC3 (←) (CA) | 36" x 12" | ← DETOUR | 1 - 4" x 4" | 1 | 0 |
| | Spec 3 | 16" x 6" | WB I-80 | | | |
| A12 | M4-8a | 18" x 24" | END DETOUR | 1 - 4" x 4" | 3 | 0 |
| A13 | R5-1 | 36" x 36" | DO NOT ENTER | 1 - 4" x 4" | 0 | 1 |
| | R5-1a | 36" x 24" | WRONG WAY | | | |
| A14 | W20-2 | 36" x 36" | DETOUR AHEAD | 1 - 4" x 4" | 1 | 0 |
| A15 | SC3 (→) (CA) | 36" x 12" | → DETOUR | 1 - 4" x 4" | 0 | 1 |
| | Spec 3 | 16" x 6" | WB I-80 | | | |
| | SC3 (↑) (CA) | 36" x 12" | ↑ DETOUR | | | |
| A16 | Spec 1 | 84" x 30" | TREASURE ISLAND Rd AND MACALLA Rd | 1 - 4" x 4" | 0 | 1 |
| | Spec 4 | 24" x 30" | USE RIGHT LANE | | | |
| A17 | W20-3 Alternate | 36" x 36" | RAMP CLOSED AHEAD | 1 - 4" x 4" | 0 | 1 |
| A18 | C30 (CA) Alternate | 30" x 30" | RAMP CLOSED | 1 - 4" x 4" | 0 | 1 |
| SHEET TOTAL MI-1 | | | | | 19 | 0 |
| SHEET TOTAL MI-2 | | | | | 0 | 7 |
| GRAND TOTAL | | | | | 26 | |





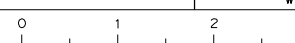
(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

OVERHEAD CONSTRUCTION AREA SIGNS

| SIGN No. (X) | SIGN DESIGNATION | PANEL SIZE | SIGN MESSAGE | NUMBER OF SIGNS (N) |
|------------------|------------------|-------------|-----------------------------------|---------------------|
| CAS-2 | G85-11 (CA) Mod | 264" x 100" | TREASURE Is RIGHT EXIT 2 3/4 MILE | 1 |
| | G70-2 (CA) | 72" x 30" | EXIT 4B | 1 |
| CAS-4 | G85-11 (CA) Mod | 216" x 50" | TREASURE Is RIGHT EXIT 1 1/4 MILE | 1 |
| | G70-4 (CA) Mod | 36" x 33" | EXIT 4B | 1 |
| CAS-6 | G85-11 (CA) Mod | 192" x 50" | TREASURE Is RIGHT EXIT 3/4 MILE | 1 |
| | G70-4 (CA) Mod | 36" x 33" | EXIT 4B | 1 |
| Spec 5 | W13-6 Mod | 36" x 50" | COMBINATION CURVE / EXIT SPEED | 1 |
| Spec 6 | G76 (CA) Mod | 122" x 18" | TREASURE Is | 1 |
| SHEET TOTAL MI-3 | | | | 8 |
| GRAND TOTAL | | | | 8 |

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

MOTORIST INFORMATION PLAN
NO SCALE

| | | | | | | | |
|--------------------------------|------|--|---|--|---|---|--|
| REVISOR | DATE | DESIGNED BY: D. GALVEZ DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE PLANS APPROVAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| | | | | | | | CADD FILENAME => YB1S1b007.dgn |
| | | | | | | | CONTRACT NO. |
| | | | | | | | |
| PROJECT DESCRIPTION | | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | SHEET NAME: MI-7 SHEET NO.: 84 TOTAL SHEETS: |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | |  | | LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:35:37 PM | |

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NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY.
- SIGN LOCATIONS SHOWN ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER.
- TEMP RAILING (TYPE K) SHALL HAVE SCUPPERS TO ALLOW DRAINAGE RELIEF.
- FOR CONSTRUCTION AREA SIGNS NOT SHOWN, SEE MI PLANS.
- THIS AREA TO BE CONTROLLED BY FLAGGING DURING CONSTRUCTION OPERATIONS.

LEGEND:

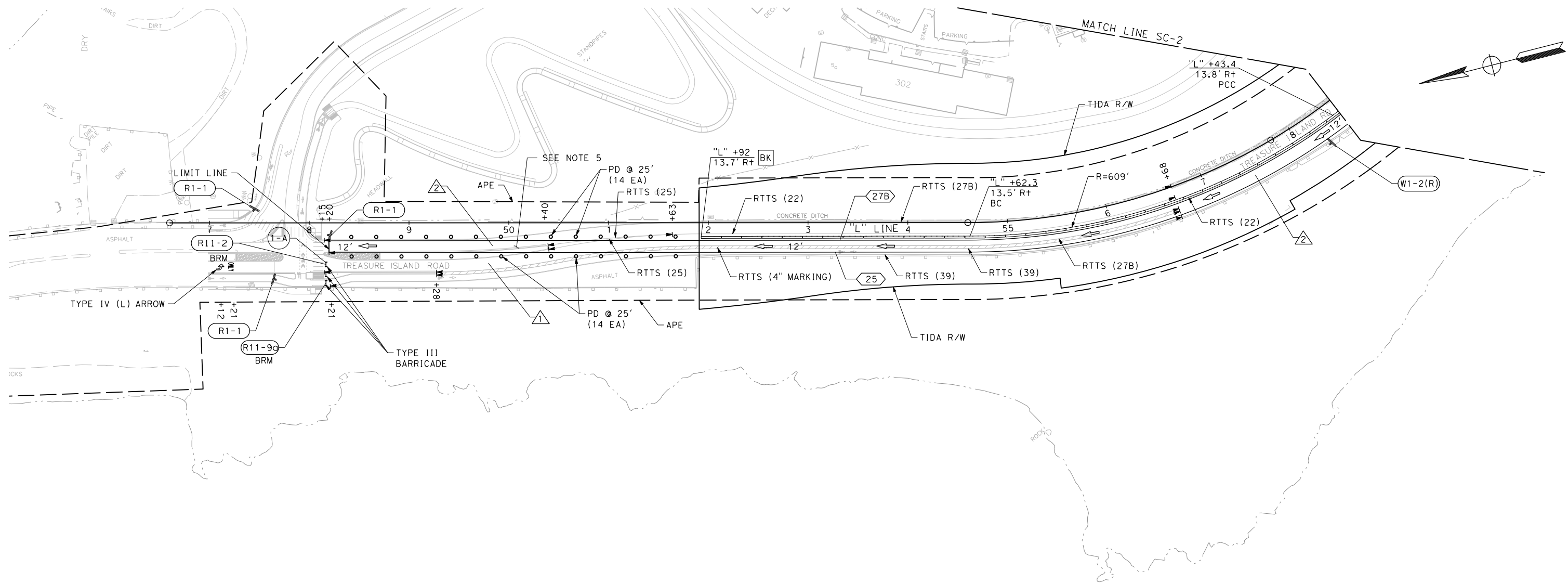
- WORK AREA
- TEMPORARY RAILING (TYPE K)
- TEMPORARY TRAFFIC STRIPE (PAINT) LINE DETAIL
- PLASTIC TRAFFIC DRUM
- SIGN 1 - POST
- DIRECTION OF TRAFFIC
- Beg Temp RAILING (TYPE K)
- END Temp RAILING (TYPE K)
- TYPE III BARRICADE
- TEMPORARY CRASH CUSHION SAND FILLED
- CONSTRUCTION AREA SIGN CODE

ABBREVIATIONS:

- PD PLASTIC DRUM
- PPS PLACED PREVIOUS STAGE
- TCC (TXXX) TEMPORARY CRASH CUSHION SAND FILLED (ARRAY TYPE)
- (CA) CALIFORNIA SIGN CODE
- BM BARRIER MOUNTED
- BRM BARRICADE MOUNTED REMOVE THERMOPLASTIC TRAFFIC STRIPE AND MARKERS (STRIPE TYPE)
- RTTS(XX)

TRAFFIC- THIS STAGE

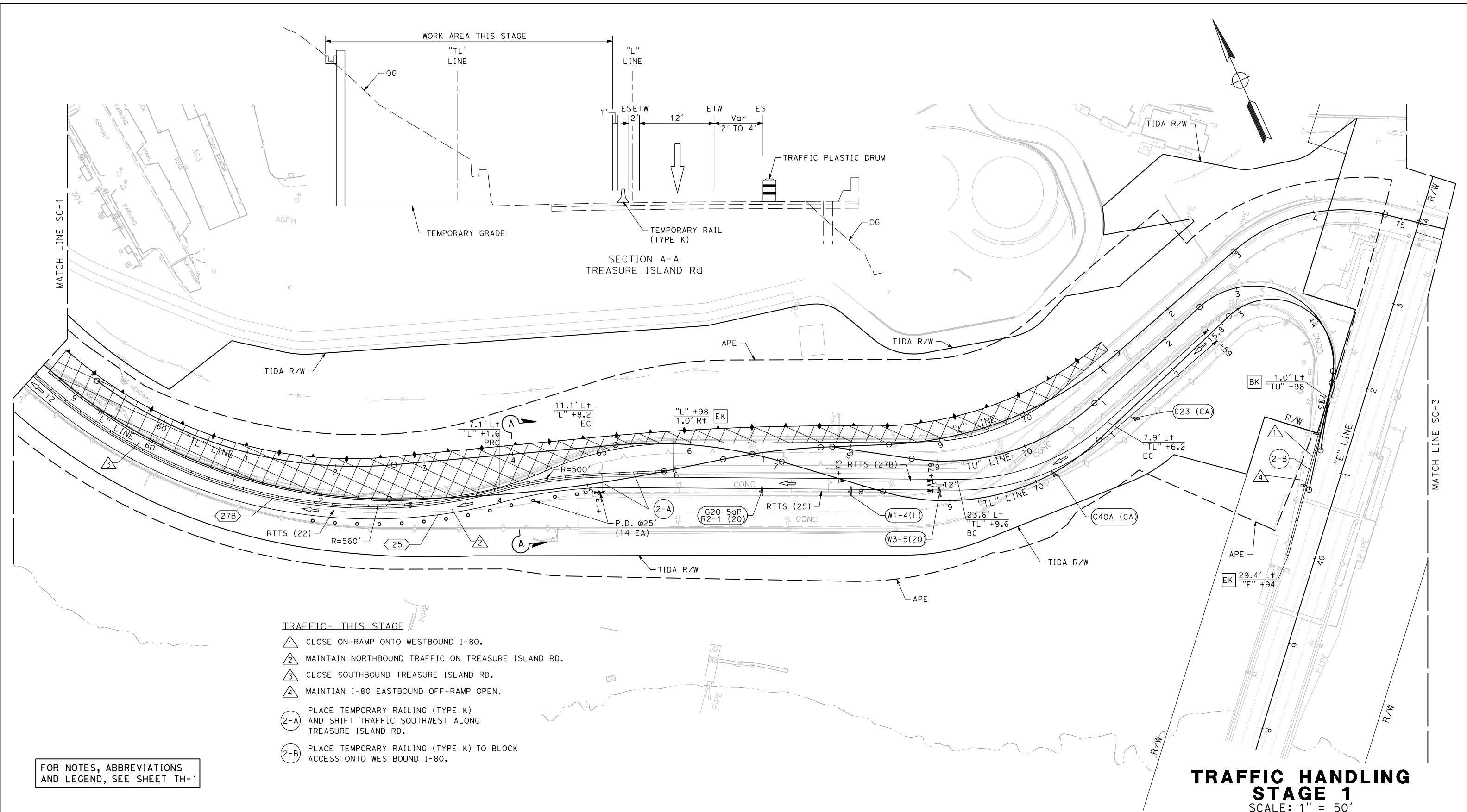
- CLOSE SOUTHBOUND TREASURE ISLAND RD.
- MAINTAIN NORTHBOUND TRAFFIC ON TREASURE ISLAND RD.
- PLACE TEMPORARY 10' RAIL (TYPE K) TO BLOCK ACCESS TO SOUTHBOUND TREASURE ISLAND RD.



**TRAFFIC HANDLING
STAGE 1**
SCALE: 1" = 50'

| | | | | | | | | | |
|------------------------------------|---|--|--|---|----------------------|---|--|--|--|
| REVISOR | DATE | DESIGNED BY: S. DWYER DRAWN BY: S. DWYER CHECKED BY: D. DICKINSON APPROVED BY: D. DICKINSON | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | | USERNAME => sdwyer |
| PROJECT DESCRIPTION | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | REGISTERED CIVIL ENGINEER | PLANS APPROVAL DATE | | | | CADD FILENAME => YBISmd001.dgn |
| BORDER LAST REVISED 11/15/2019 | | | | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | | CONTRACT NO. |
| RELATIVE BORDER SCALE IS IN INCHES | | | | | | | | | SHEET NAME: TH-1 SHEET NO.: 85 TOTAL SHEETS: |
| | | | | LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:35:39 PM | | | | | |






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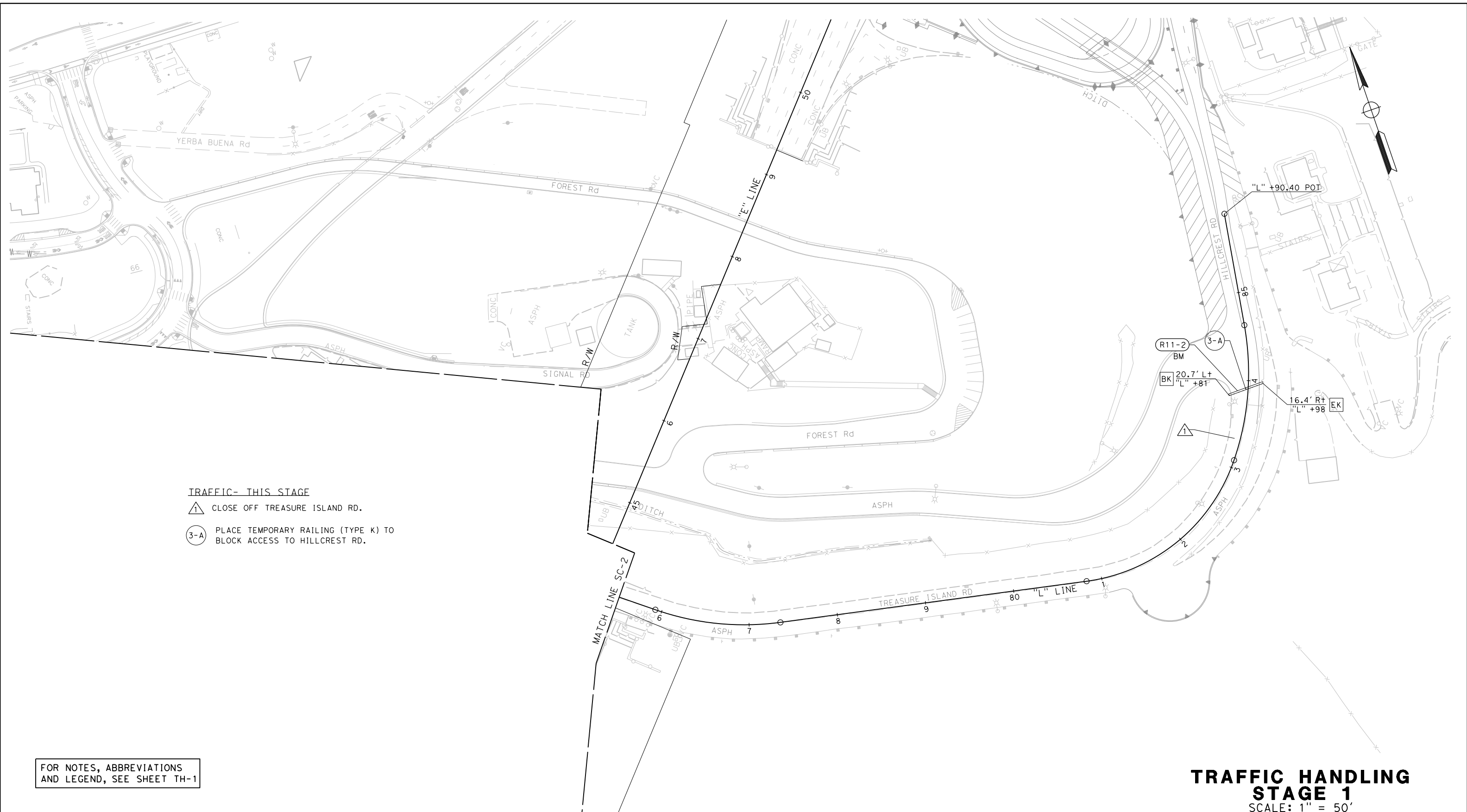


- TRAFFIC- THIS STAGE**
- ① CLOSE ON-RAMP ONTO WESTBOUND I-80.
 - ② MAINTAIN NORTHBOUND TRAFFIC ON TREASURE ISLAND RD.
 - ③ CLOSE SOUTHBOUND TREASURE ISLAND RD.
 - ④ MAINTIAN I-80 EASTBOUND OFF-RAMP OPEN.
 - ②-A PLACE TEMPORARY RAILING (TYPE K) AND SHIFT TRAFFIC SOUTHWEST ALONG TREASURE ISLAND RD.
 - ②-B PLACE TEMPORARY RAILING (TYPE K) TO BLOCK ACCESS ONTO WESTBOUND I-80.

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET TH-1

**TRAFFIC HANDLING
STAGE 1**
SCALE: 1" = 50'





| | | | | | | | | | |
|---|--------------|--|--|------------------------------------|---|--|---|---|---|
| REVISED BY | DATE REVISED | DESIGNED BY: S. DWYER DRAWN BY: S. DWYER CHECKED BY: D. DICKINSON APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | PLANS APPROVAL DATE | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | CADD FILENAME => YBISmd002.dgn |
| PROJECT DESCRIPTION | | | | | | | | | CONTRACT NO. |
| BORDER LAST REVISED 11/15/2019 | | | | RELATIVE BORDER SCALE IS IN INCHES |  | | | | SHEET NAME: TH-2 SHEET NO.: 86 TOTAL SHEETS: 86 |
| | | | | | LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:35:41 PM | | | | |



TRAFFIC- THIS STAGE
 ▲ CLOSE OFF TREASURE ISLAND RD.
 3-A PLACE TEMPORARY RAILING (TYPE K) TO BLOCK ACCESS TO HILLCREST RD.

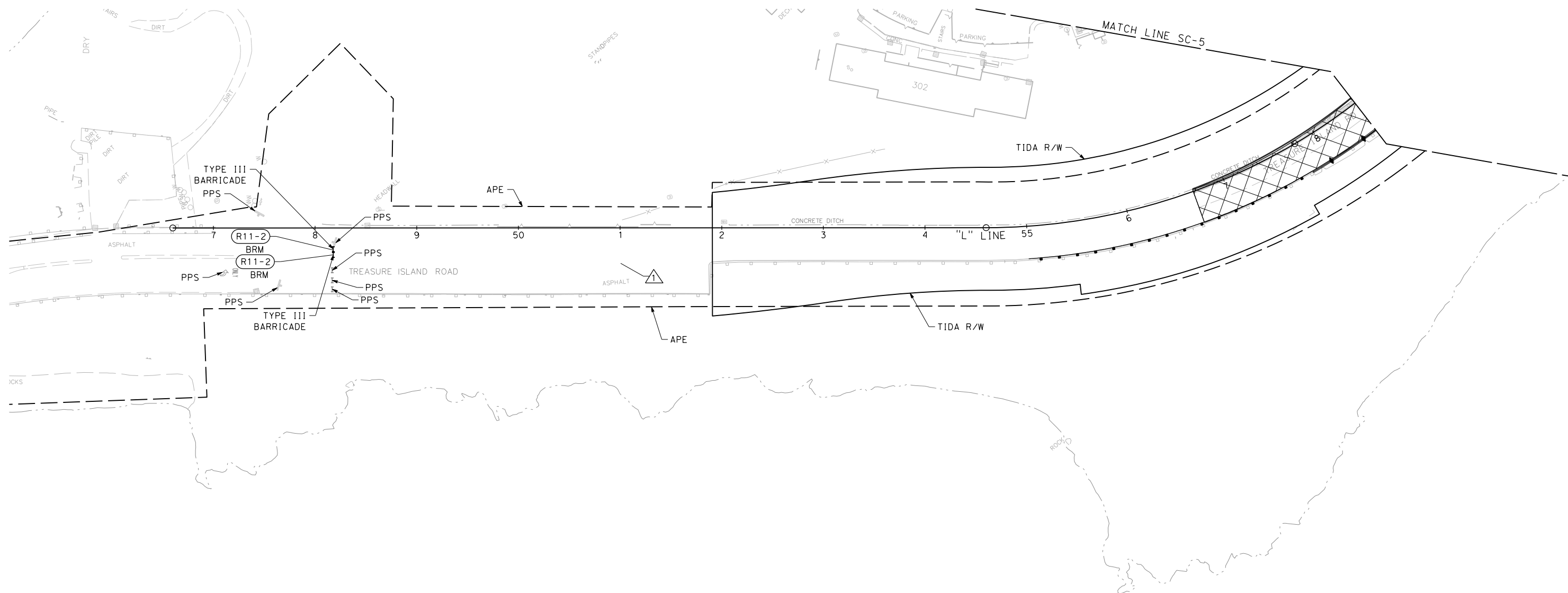
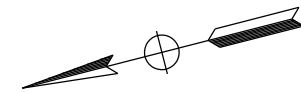
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET TH-1

**TRAFFIC HANDLING
 STAGE 1**
 SCALE: 1" = 50'

| | | | | | | | | | |
|---|------|--|--|---------------------------|--|--|---|---|-----------------------------|
| REVISOR | DATE | DESIGNED BY: S. DWYER DRAWN BY: S. DWYER CHECKED BY: D. DICKINSON APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| | | | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | | | CONTRACT NO. |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | | | SHEET NAME |
| PROJECT DESCRIPTION | | | | | | | | | SHEET NO. |
| BORDER LAST REVISED 11/15/2019 | | | | | | | | | TOTAL SHEETS |
| | | | | | | | | | TH-3 |
| | | | | | | | | | 87 |
| | | | | | | | | | LAST REVISION |
| | | | | | | | | | DATE PLOTTED => 11/17/2019 |
| | | | | | | | | | TIME PLOTTED => 10:35:43 PM |






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TRAFFIC- THIS STAGE
 ▲ CLOSE TREASURE ISLAND RD.



FOR NOTES, ABBREVIATIONS
 AND LEGEND, SEE SHEET TH-1

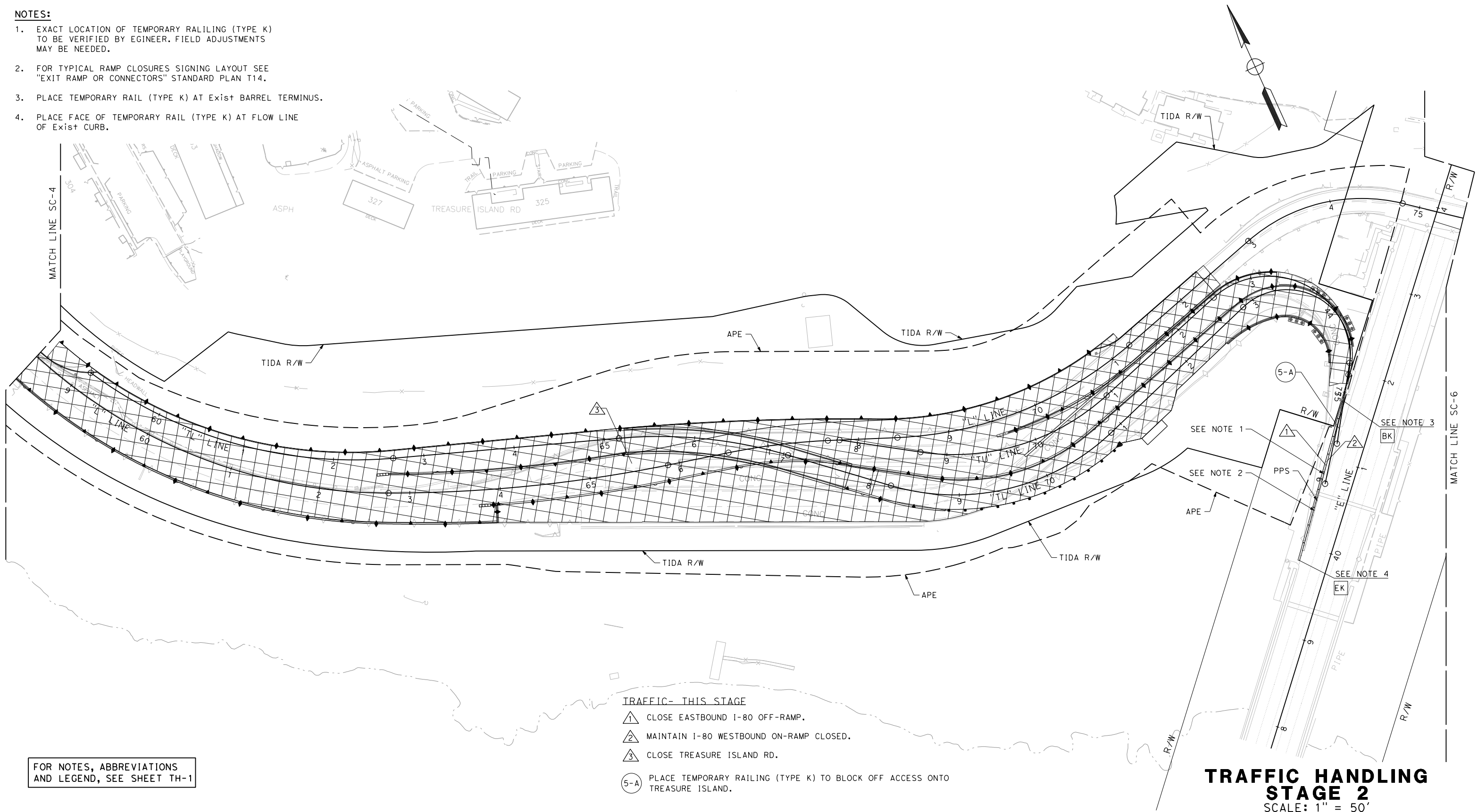
**TRAFFIC HANDLING
 STAGE 2**
 SCALE: 1" = 50'

| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: S. DWYER |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | |
|--------------------------------|-----------|--|------------------------------------|---|---------------------------|--|--|---|---|--|------------|
| | | | DRAWN BY: S. DWYER | | | | | | | CADD FILENAME => YBISmd004.dgn | |
| | | | CHECKED BY: D. DICKINSON | | | | | | | CONTRACT NO. | |
| | | | APPROVED BY: D. DICKINSON | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | | | <table border="1"> <tr> <th>SHEET NAME</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> <tr> <td>TH-4</td> <td>88</td> <td></td> </tr> </table> | SHEET NAME |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | |
| TH-4 | 88 | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES |  | | LAST REVISION 11-15-19 | DATE PLOTTED => 11/17/2019 | TIME PLOTTED => 10:35:44 PM | | | |

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NOTES:

1. EXACT LOCATION OF TEMPORARY RAILING (TYPE K) TO BE VERIFIED BY ENGINEER. FIELD ADJUSTMENTS MAY BE NEEDED.
2. FOR TYPICAL RAMP CLOSURES SIGNING LAYOUT SEE "EXIT RAMP OR CONNECTORS" STANDARD PLAN T14.
3. PLACE TEMPORARY RAIL (TYPE K) AT EXIST BARREL TERMINUS.
4. PLACE FACE OF TEMPORARY RAIL (TYPE K) AT FLOW LINE OF EXIST CURB.







FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET TH-1

TRAFFIC- THIS STAGE

- ① CLOSE EASTBOUND I-80 OFF-RAMP.
- ② MAINTAIN I-80 WESTBOUND ON-RAMP CLOSED.
- ③ CLOSE TREASURE ISLAND RD.
- ⑤-A PLACE TEMPORARY RAILING (TYPE K) TO BLOCK OFF ACCESS ONTO TREASURE ISLAND.

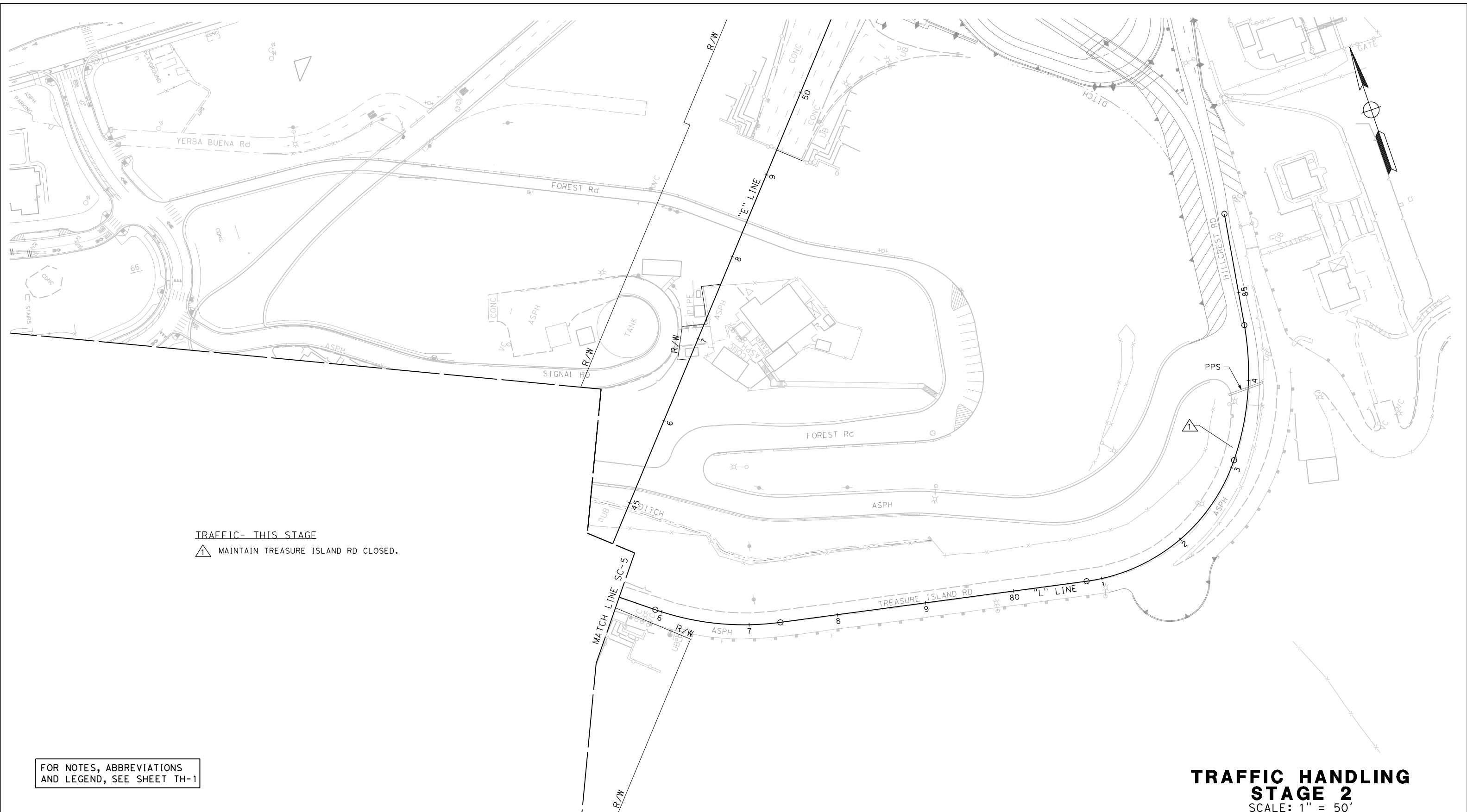
**TRAFFIC HANDLING
STAGE 2**
SCALE: 1" = 50'

| | | | | | | | | | | | | | | |
|---------------------|---------------------|--------------------------|-----------------------|-----------------------------|------------------------------|--|---------------------------|------------------------|--|---|---|--------------------|--------------------------------|---|
| REVISOR | DATE | DESIGNED BY: S. DWYER | DRAWN BY: S. DWYER | CHECKED BY: D. DICKINSON | APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | CADD FILENAME => YBISmd005.dgn | CONTRACT NO. |
| PROJECT DESCRIPTION | PLANS APPROVAL DATE | | | | | | SHEET NAME TH-5 | SHEET NO. 89 | | | | TOTAL SHEETS | LAST REVISION 11-15-19 | DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:35:46 PM |

BORDER LAST REVISED 11/15/2019








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TRAFFIC- THIS STAGE
 ▲ MAINTAIN TREASURE ISLAND RD CLOSED.

FOR NOTES, ABBREVIATIONS
 AND LEGEND, SEE SHEET TH-1

**TRAFFIC HANDLING
 STAGE 2**
 SCALE: 1" = 50'

| | | | | | | | | | |
|--------------------------------|------|--|--|------------------------------------|----------------------|--|---|---|--------------------------------|
| REVISOR | DATE | DESIGNED BY: S. DWYER DRAWN BY: S. DWYER CHECKED BY: D. DICKINSON APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| | | | | | | | | | CADD FILENAME => YBISmd006.dgn |
| | | | | | | | | | CONTRACT NO. |
| | | | | | | | | | |
| PROJECT DESCRIPTION | | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | PLANS APPROVAL DATE | | | | SHEET NAME | |
| BORDER LAST REVISED 11/15/2019 | | | | RELATIVE BORDER SCALE IS IN INCHES | |  | | SHEET NO. TOTAL SHEETS | |
| | | | | | | | | TH-6 90 | |
| | | | | | | | | LAST REVISION DATE PLOTTED => 11/17/2019 11-15-19 TIME PLOTTED => 10:35:47 PM | |

TEMPORARY TRAFFIC CONTROL DEVICES

| STAGE | STATION LIMITS | | | | TEMPORARY RAILING (TYPE K) | TRAFFIC PLASTIC DRUM | TYPE III BARRICADE |
|--------------|----------------|-------|---|--------|----------------------------|----------------------|--------------------|
| | FROM | TO | | EA | | | |
| STAGE 1 | L | 48+17 | L | 48+17 | | | 1 |
| | L | 48+20 | L | 48+20 | | | 2 |
| | L | 48+42 | L | 551+68 | | 28 | |
| | L | 51+92 | L | 65+98 | 1,440 | | |
| | L | 61+94 | L | 65+13 | | 14 | |
| | TU | 74+98 | E | 39+94 | 200 | | |
| STAGE 2 | L | 83+81 | L | 83+98 | 40 | | |
| | L | 48+18 | L | 48+18 | | | 2 |
| | TL | 75+03 | E | 39+82 | 200 | | |
| TOTAL | | | | | 1,880 | 42 | 5 |

TEMPORARY PAVEMENT DELINEATION

| STAGE | STATION LIMITS | | | | | Detail No. | TEMPORARY TRAFFIC STRIPE (PAINT) | | TEMPORARY PAVEMENT MARKER | | | PAVEMENT MARKER | |
|---------|----------------|-------|----|-------|----|------------|----------------------------------|----------|---------------------------|------------|-------------|-----------------|-------------------|
| | | | | | | | LENGTH | 6" WHITE | 6" YELLOW | LIMIT LINE | TYPE IV (L) | ONLY | (RETROREFLECTIVE) |
| | | | | | | | | SOLID | SOLID | | | | TYPE |
| STAGE 1 | "L" | 48+20 | TO | 72+59 | WB | 25 | 2485 | | | | | | |
| | "L" | 48+20 | TO | 72+59 | WB | 27B | 2460 | 2,460 | | | | 53 | |
| | "L" | 48+20 | TO | 48+20 | NB | LIMIT LINE | 12 | | 12 | | | | |
| | "L" | 47+12 | TO | 47+12 | SB | | | | | 15 | | | |
| | "L" | 47+21 | TO | 47+21 | SB | | | | | | 22 | | |
| | TOTAL | | | | | | | | 4,945 | | 49 | | 53 |

CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)





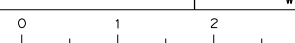
| STAGE | SIGN CODE | | SIGN MESSAGE | DESCRIPTION | No. OF SIGNS (N) |
|--------------|-----------|--------------------|-------------------------------------|--------------------------|------------------|
| | FEDERAL | CALIFORNIA | | | |
| STAGE 1 | R11-2 | | ROAD CLOSED | | 2 |
| | R1-1 | | STOP | | 3 |
| | R11-9a | | SIDEWALK CLOSED CROSS HERE | | 1 |
| | W1-2 (R) | | CURVE | | 1 |
| | W1-4(L) | | REVERSE CURVE | | 1 |
| | R2-1 (20) | | SPEED LIMIT | SPEED LIMIT 20 MPH | 1 |
| | G20-5aP | | WORK ZONE | MOUNT BELOW R2-1 (20) | 1 |
| | W3-5 (20) | | SPEED LIMIT AHEAD | SPEED LIMIT AHEAD 20 MPH | 1 |
| | | C40A (CA) | TRAFFIC FINES DOUBLED IN WORK ZONES | | 1 |
| | | C23 (CA) | ROAD WORK AHEAD | | 1 |
| STAGE 2 | R11-2 | | ROAD CLOSED | | 2 |
| | | C19 (CA) ALTERNATE | RAMP CLOSED AHEAD | | 2 |
| | | C2 (CA) | RAMP CLOSED | | 1 |
| | | C38 (CA) | USE NEXT EXIT | | 1 |
| TOTAL | | | | | 19 |

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

PAVEMENT DELINEATION REMOVAL QUANTITIES

| STAGE | STATION LIMITS | | | | | REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE) | REMOVE THERMOPLASTIC TRAFFIC STRIPE | REMOVE THERMOPLASTIC PAVEMENT MARKING | REMOVE PAVEMENT MARKER |
|--------------|----------------|-------|-------|-------|-----|--|-------------------------------------|---------------------------------------|------------------------|
| | | | | | | LF | SQFT | SQFT | EA |
| STAGE 1 | "L" | 48+15 | TO | 56+68 | NB | | 864 | | |
| | "L" | 50+39 | TO | 51+63 | NB | 125 | | | 4 |
| | "L" | 50+40 | TO | 51+63 | SB | 125 | | | 4 |
| | "L" | 51+63 | TO | 56+68 | NB | 508 | | | 44 |
| | "L" | 49+28 | TO | 56+68 | SB | | 750 | | |
| | "L" | 49+28 | TO | 56+68 | SB | | 750 | | |
| | "L" | 48+21 | TO | 56+68 | SB | | 861 | | |
| | "L" | 49+28 | TO | 56+68 | SB | | | 151 | |
| | "TL" | 66+68 | TO | 68+79 | WB | | 211 | | |
| "L" | 55+91 | TO | 65+13 | WB | 980 | | | 84 | |
| TOTAL | | | | | | 1,738 | 3,436 | 151 | 136 |

TRAFFIC HANDLING QUANTITIES

| | | | | | | | | | |
|--------------------------------|------|--|------------------------------------|--|--|---|---|--|---|
| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: S. DWYER |  REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | |
| | | | DRAWN BY: S. DWYER | | | | | | CADD FILENAME => YBISmf001.dgn |
| | | | CHECKED BY: D. DICKINSON | | | | | | CONTRACT NO. |
| | | | APPROVED BY: D. DICKINSON | | | | | PLANS APPROVAL DATE | SHEET NAME: THQ-1 SHEET NO.: 91 TOTAL SHEETS: |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES |  | | | | LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:35:49 PM | |

NOTES:

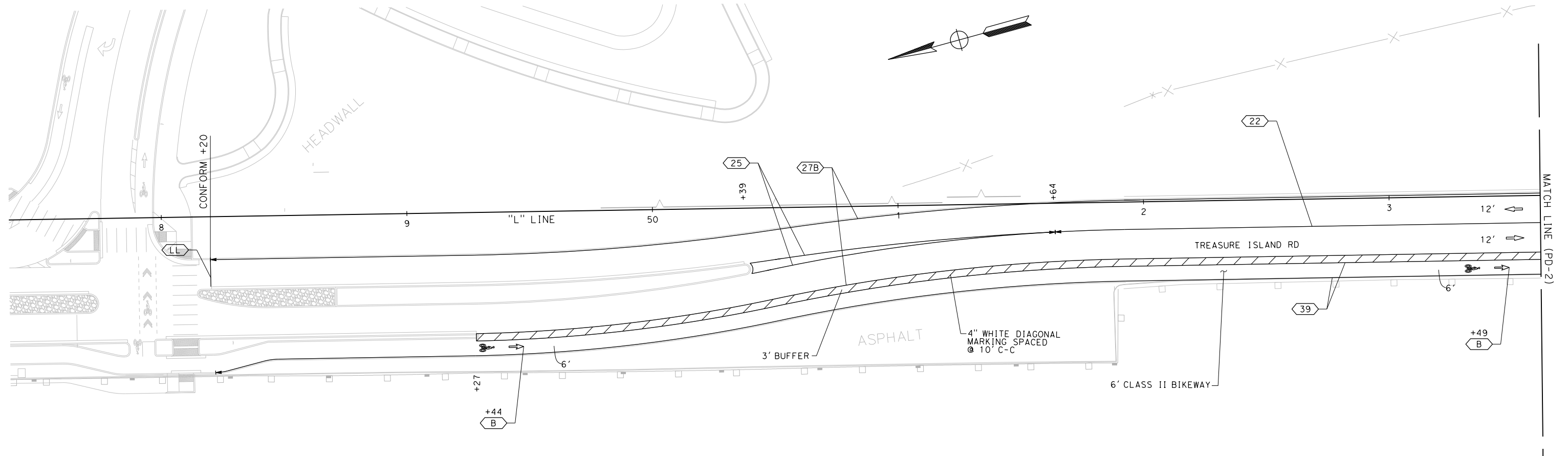
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY.
2. ALL PAVEMENT STRIPING AND MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED ON PLANS.
3. CONFLICTING STRIPING AND PAVEMENT MARKINGS SHALL BE REMOVED.
4. EXACT LOCATION OF PAVEMENT MARKINGS TO BE DETERMINED BY THE ENGINEER.
5. ALL CHEVRON AND DIAGONAL MARKINGS SHALL BE ANGLED 45° FROM ETW.
6. ALL DELINEATORS (CLASS 1) SHALL BE PLACED AT 20' O.C. INTERVAL, UNLESS OTHERWISE STATED.

LEGEND:

- PAVEMENT DELINEATION DETAIL
- BIKE LANE MARKING, SEE PDD-2
- OBJECT MARKER (TYPE L)
- OBJECT MARKER (TYPE P)
- OBJECT MARKER (TYPE R)
- DELINEATOR (CLASS 1) TYPE F
- DELINEATOR (CLASS 1) TYPE G
- CHANGE OF TRAFFIC STRIPE DETAIL
- BEGIN/END OF TRAFFIC STRIPE DETAIL
- DIRECTION OF TRAFFIC FLOW

ABBREVIATIONS:

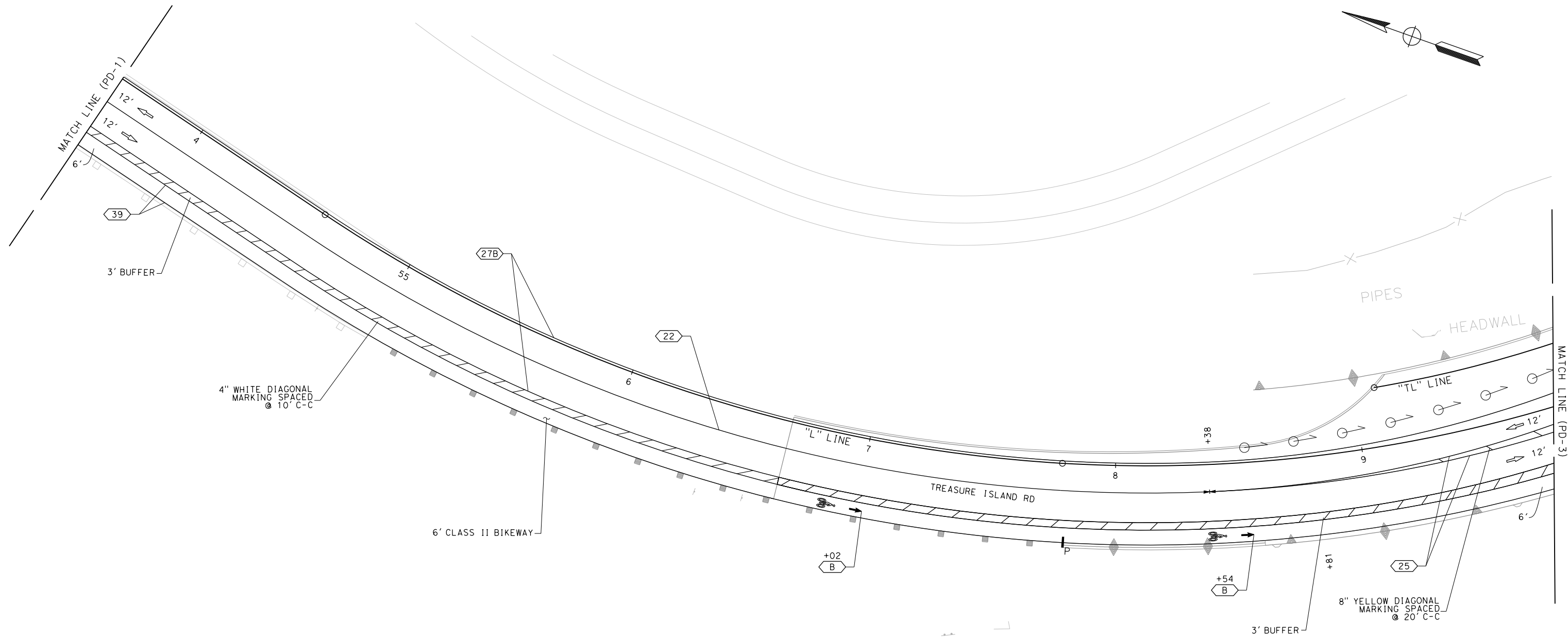
LL - LIMIT LINE



PAVEMENT DELINEATION






SCALE: 1" = 20'

| | | | | | | | | | | | | | |
|--------------------------------|---|--|--|------------------------------------|----------------------|---|--|--|---------------------------|------------------------|--------------|---------------------------|---|
| REVISOR | DATE | DESIGNED BY: E. FARAH DRAWN BY: E. FARAH CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | | USERNAME => sdwyer | | | | |
| PROJECT DESCRIPTION | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | REGISTERED CIVIL ENGINEER | PLANS APPROVAL DATE | | | | CONTRACT NO. | | | | |
| BORDER LAST REVISED 11/15/2019 | | | | RELATIVE BORDER SCALE IS IN INCHES | 0 1 2 3 | | | | SHEET NAME PD-1 | SHEET NO. 92 | TOTAL SHEETS | LAST REVISION 11-15-19 | DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:35:51 PM |

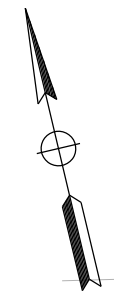
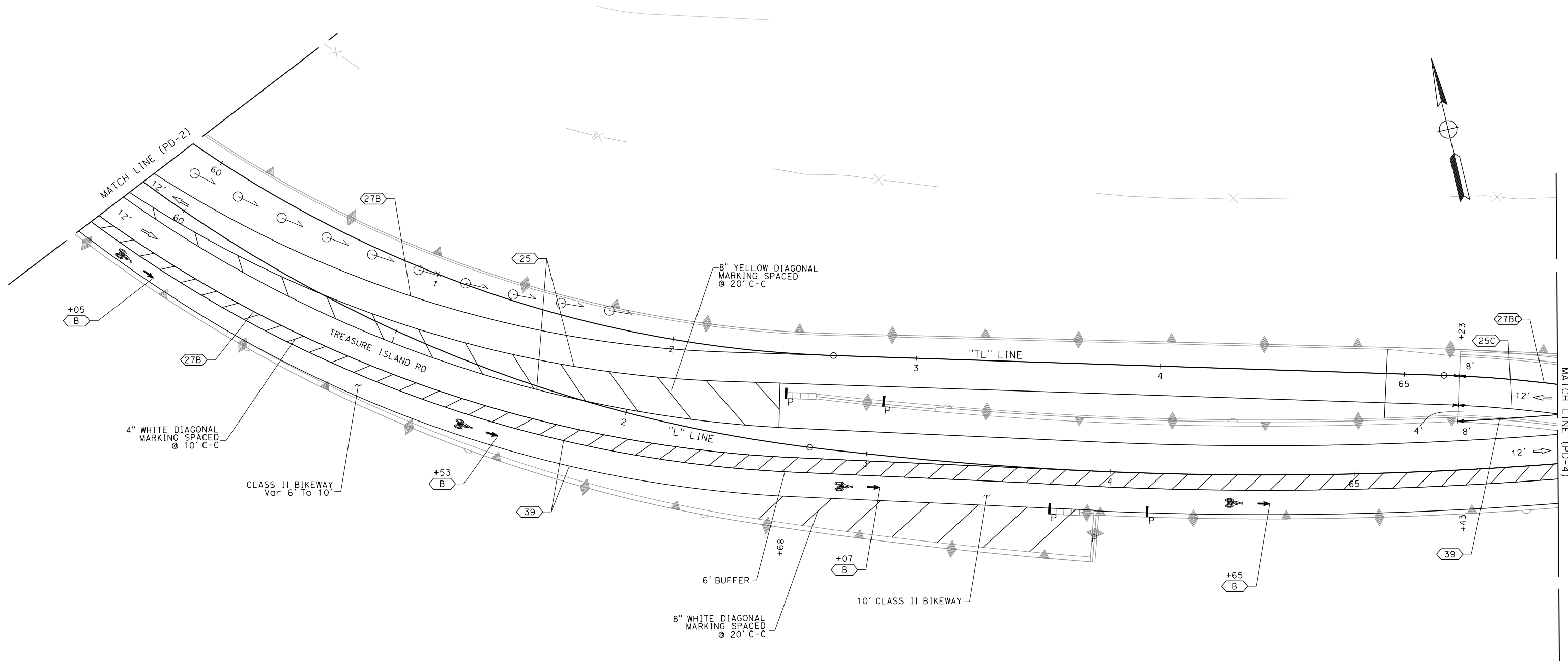


FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET PD-1

PAVEMENT DELINEATION
SCALE: 1" = 20'

| | | | | | | | | | | |
|--------------------------------|------|--|------------------------------------|--|---|---|--|---|---|--|
| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: E. FARAH |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| | | | DRAWN BY: E. FARAH | | | | | | | CADD FILENAME => YBISna002.dgn |
| | | | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. |
| | | | APPROVED BY: D. DICKINSON | | PLANS APPROVAL DATE | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | SHEET NAME: PD-2 SHEET NO.: 93 TOTAL SHEETS: |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES | |  | | LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:35:52 PM | | | |

X:\YBI_STRUCTURE\000_CAD_Sheets\NA-Pavement_Delineation\NA-Plans\YBISna002.dgn

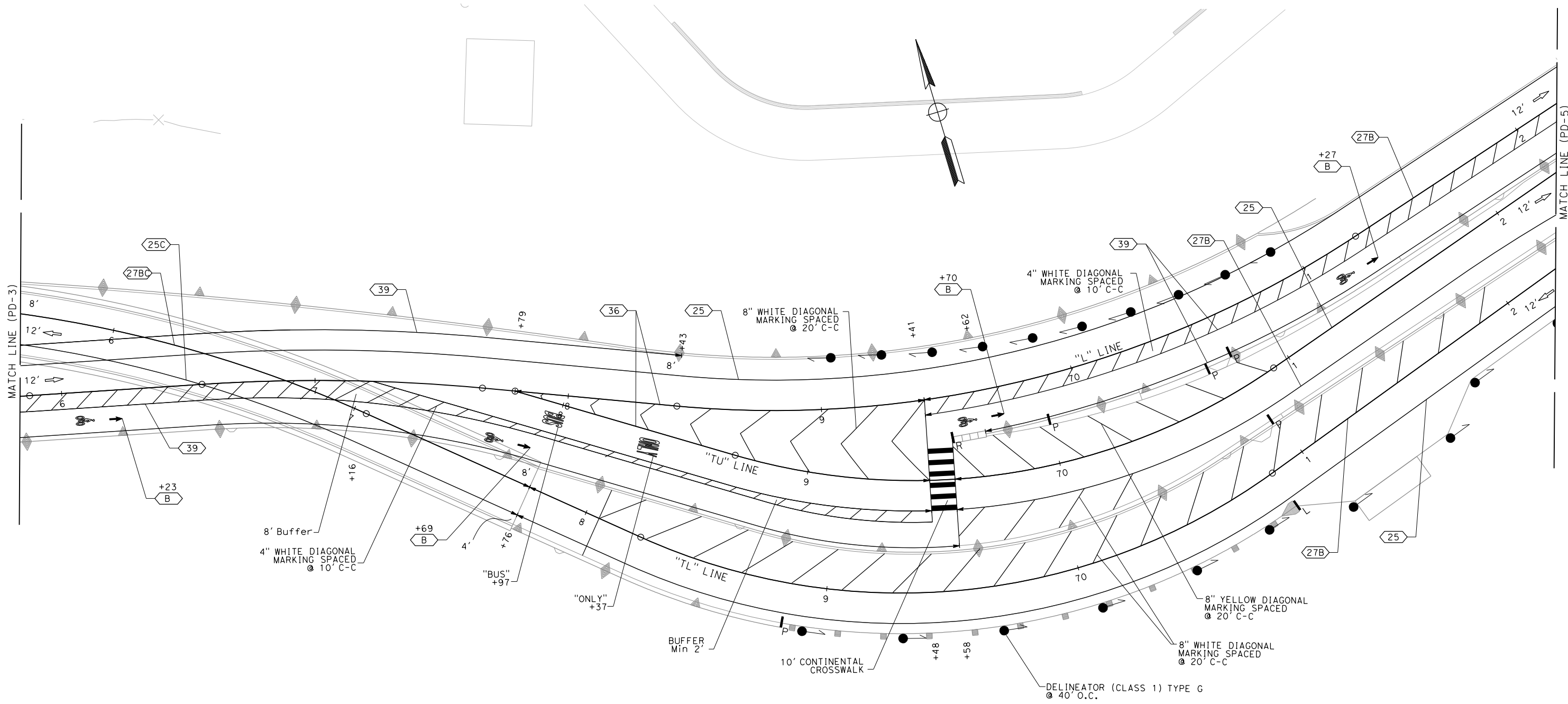


FOR NOTES, ABBREVIATIONS
AND LEGEND, SEE SHEET PD-1

PAVEMENT DELINEATION
SCALE: 1" = 20'






| | | | | | | | | | | | |
|--------------------------------|-----------------------------|--|------------------------------------|--|---------------------------|---|---|----------------------------|----------|--|------------|
| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: E. FARAH | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | | USERNAME => sdwyer | |
| | | | DRAWN BY: E. FARAH | | | | | | | CADD FILENAME => YBISna003.dgn | |
| | | | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. | |
| | | | APPROVED BY: D. DICKINSON | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>PD-3</td> <td>94</td> <td></td> </tr> </table> | SHEET NAME |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | |
| PD-3 | 94 | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES | | | <table border="1"> <tr> <td>LAST REVISION</td> <td>DATE PLOTTED => 11/17/2019</td> </tr> <tr> <td>11-15-19</td> <td>TIME PLOTTED => 10:35:54 PM</td> </tr> </table> | LAST REVISION | DATE PLOTTED => 11/17/2019 | 11-15-19 | TIME PLOTTED => 10:35:54 PM | |
| LAST REVISION | DATE PLOTTED => 11/17/2019 | | | | | | | | | | |
| 11-15-19 | TIME PLOTTED => 10:35:54 PM | | | | | | | | | | |

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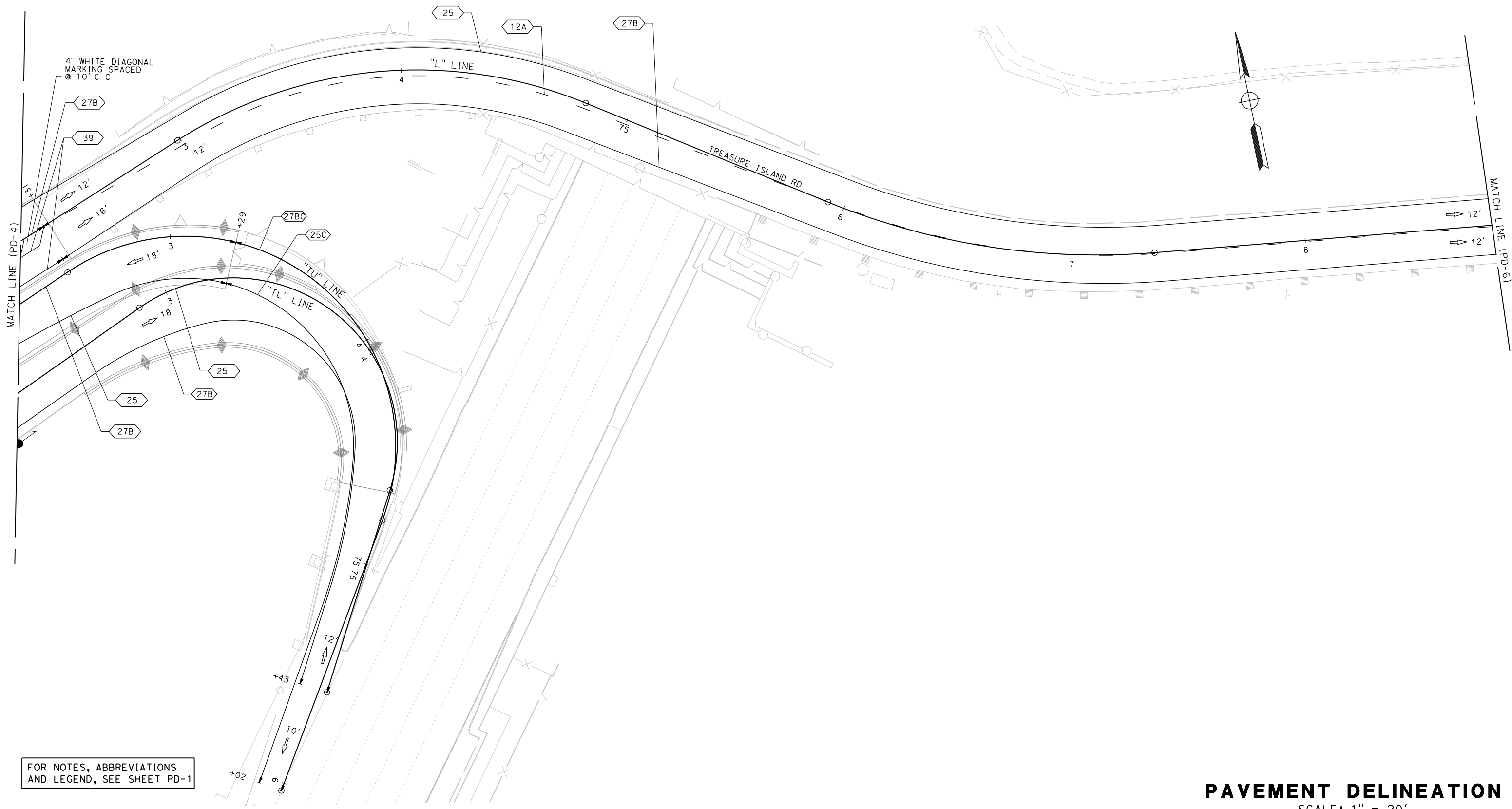


FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET PD-1






PAVEMENT DELINEATION
SCALE: 1" = 20'

| | | | | | | | | | | | |
|--------------------------------|-----------|--|------------------------------------|--|---|----------------------|--|---|---|--|------------|
| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: E. FARAH |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | |
| | | | DRAWN BY: E. FARAH | | | | | | | CADD FILENAME => YBISna004.dgn | |
| | | | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. | |
| | | | APPROVED BY: D. DICKINSON | | PLANS APPROVAL DATE | | | | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>PD-4</td> <td>95</td> <td></td> </tr> </table> | SHEET NAME |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | |
| PD-4 | 95 | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES | |  | | LAST REVISION 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:35:55 PM | | | | |

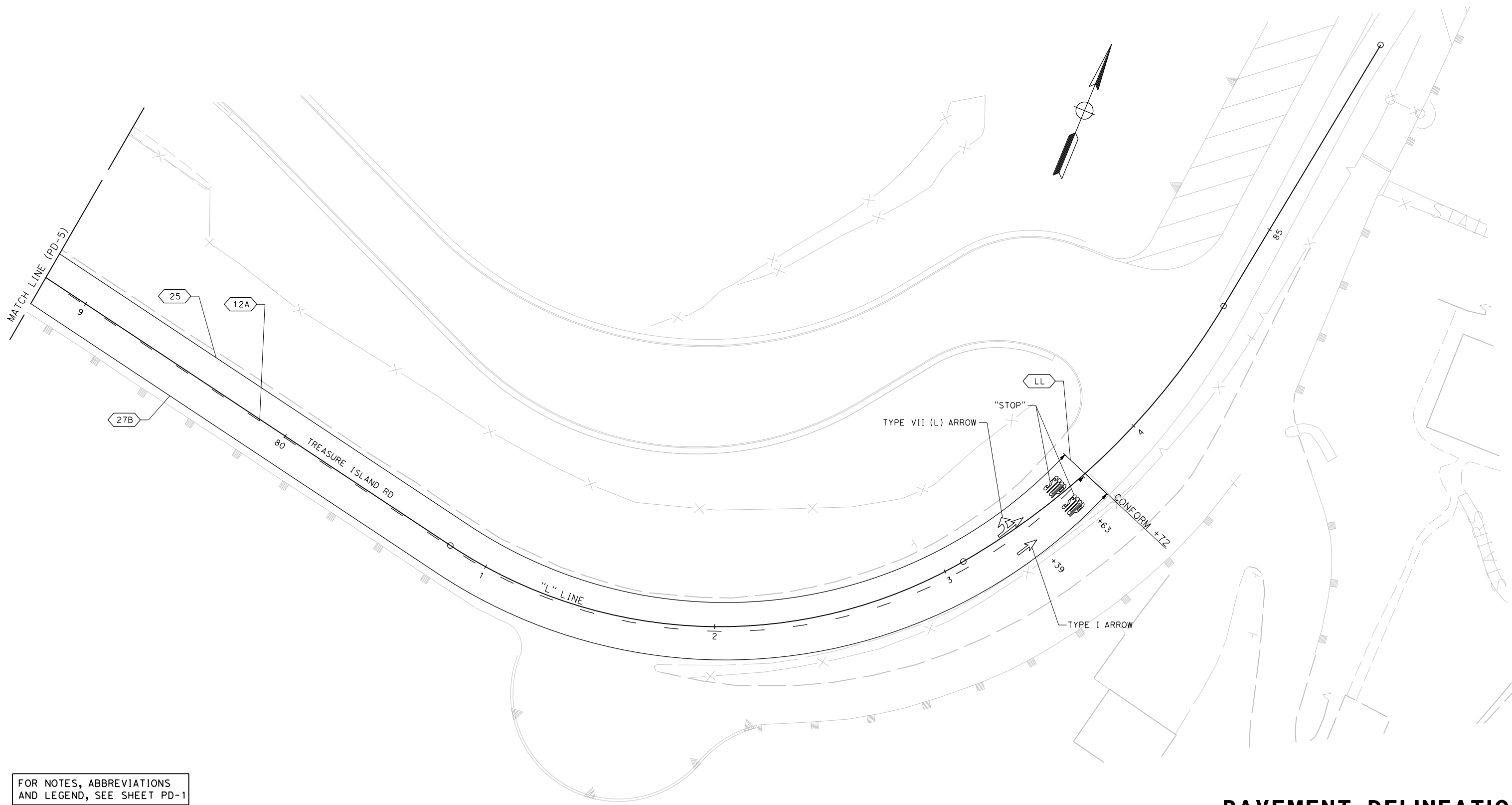
X:\YBI_STRUCTURE\000_CAD_Sheets\NA-Pavement-Del\lineation\NA-Plans\YBISna004.dgn



PAVEMENT DELINEATION
SCALE: 1" = 20'






| | | | | | | | | | | | |
|--------------------------------|-----------|--|------------------------------------|---|---------------------------|--|--|---|---|--|------------|
| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: E. FARAH |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | |
| | | | DRAWN BY: E. FARAH | | | | | | | CADD FILENAME => YBISna005.dgn | |
| | | | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. | |
| | | | APPROVED BY: D. DICKINSON | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>PD-5</td> <td>96</td> <td></td> </tr> </table> | SHEET NAME |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | |
| PD-5 | 96 | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES |  | | LAST REVISION 11-15-19 | DATE PLOTTED => 11/17/2019 | TIME PLOTTED => 10:35:57 PM | | | |

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FOR NOTES, ABBREVIATIONS
AND LEGEND, SEE SHEET PD-1

PAVEMENT DELINEATION
SCALE: 1" = 20'

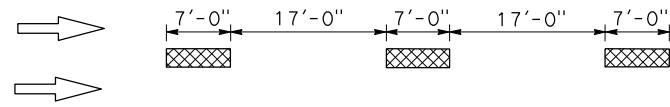
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|--------------------------------|--------------|--|---------------------------------------|--|---|----------------------|--|---|---|--|------------|
| REVISED BY | DATE REVISED | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: E. FARAH |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | |
| | | | DRAWN BY: E. FARAH | | | | | | | CADD FILENAME => YBISna006.dgn | |
| | | | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. | |
| | | | APPROVED BY: D. DICKINSON | | PLANS APPROVAL DATE | | | | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>PD-6</td> <td>97</td> <td></td> </tr> </table> | SHEET NAME |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | |
| PD-6 | 97 | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES | |  | | LAST REVISION 11-15-19 | | DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:35:58 PM | | |

X:\YBI_STRUCTURE\000_CAD_Sheets\NA-Pavement_Delineation\NA-Plans\YBISna006.dgn

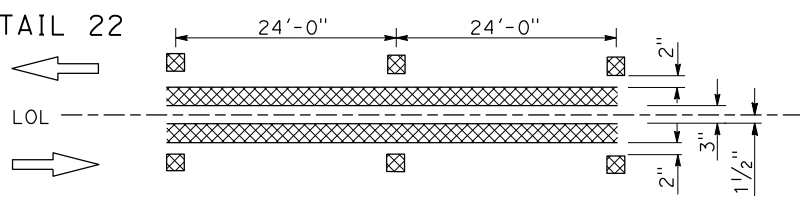
LEGEND

- DIRECTION OF TRAVEL
- 6" WHITE THERMOPLASTIC TRAFFIC STRIPE
- 6" YELLOW THERMOPLASTIC TRAFFIC STRIPE
- CONTRAST STRIPE BLACK PAINT (2-COAT)
- TYPE C RED-CLEAR RETROREFLECTIVE PAVEMENT MARKER
- TYPE D TWO-WAY YELLOW RETROREFLECTIVE PAVEMENT MARKER
- TYPE RY RED-YELLOW RETROREFLECTIVE PAVEMENT MARKER

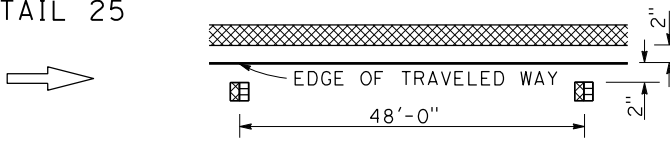
DETAIL 1



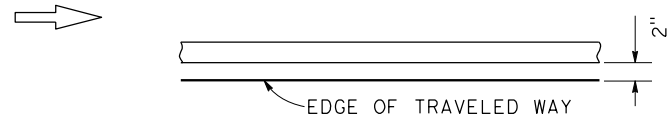
DETAIL 22



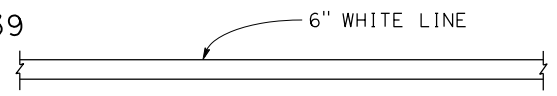
DETAIL 25



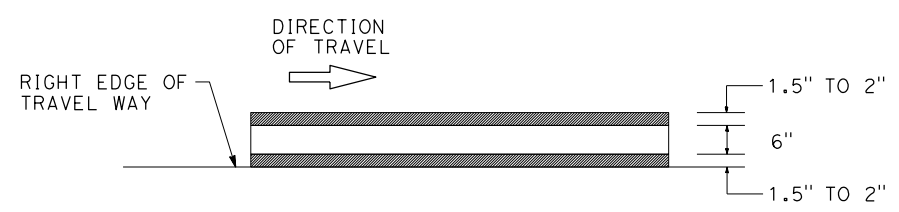
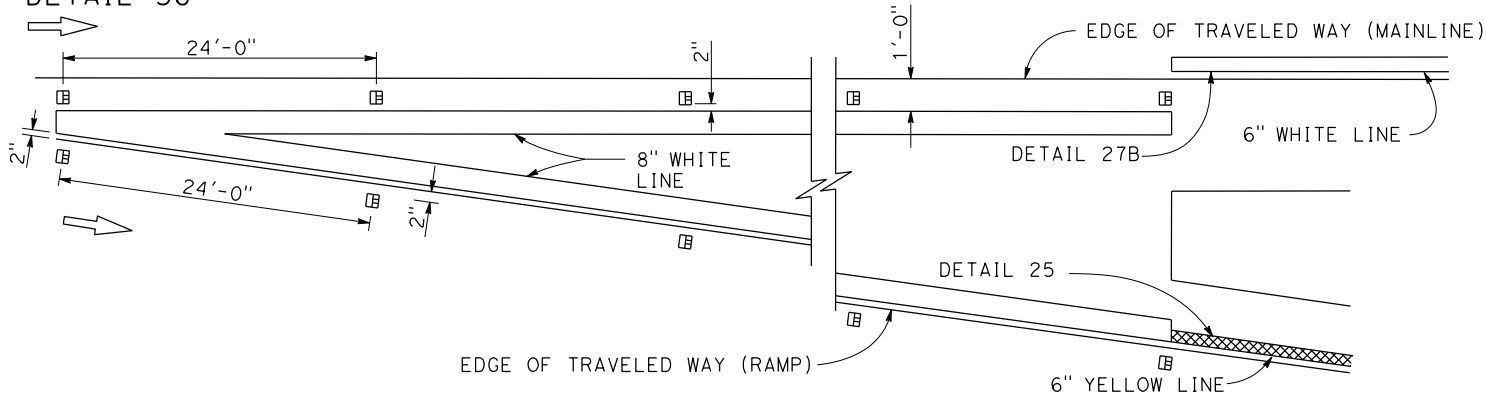
DETAIL 27B



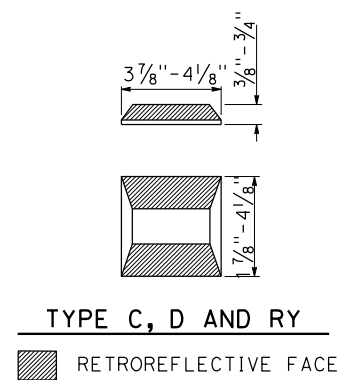
DETAIL 39



DETAIL 36



DETAIL 27BC
(PCC PAVEMENT)

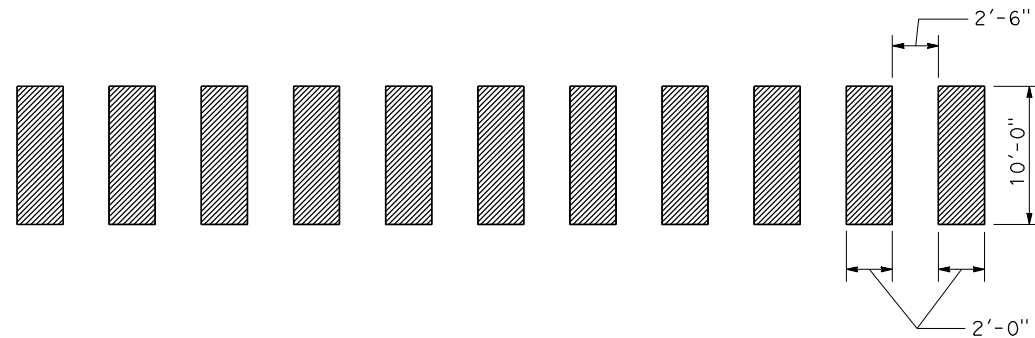
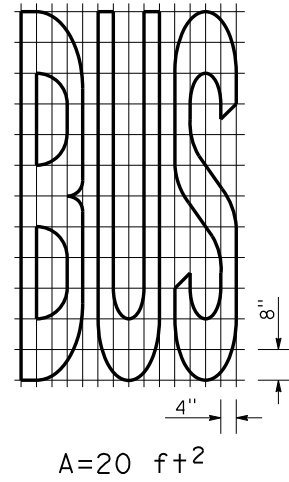
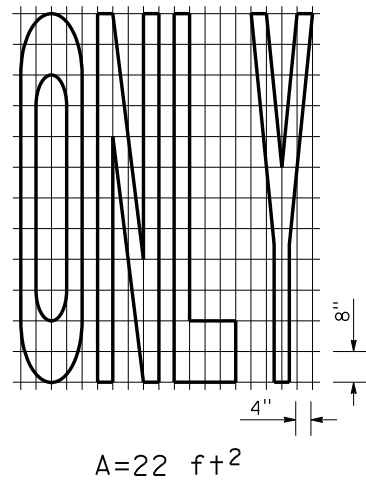


TYPE C, D AND RY
RETROREFLECTIVE FACE

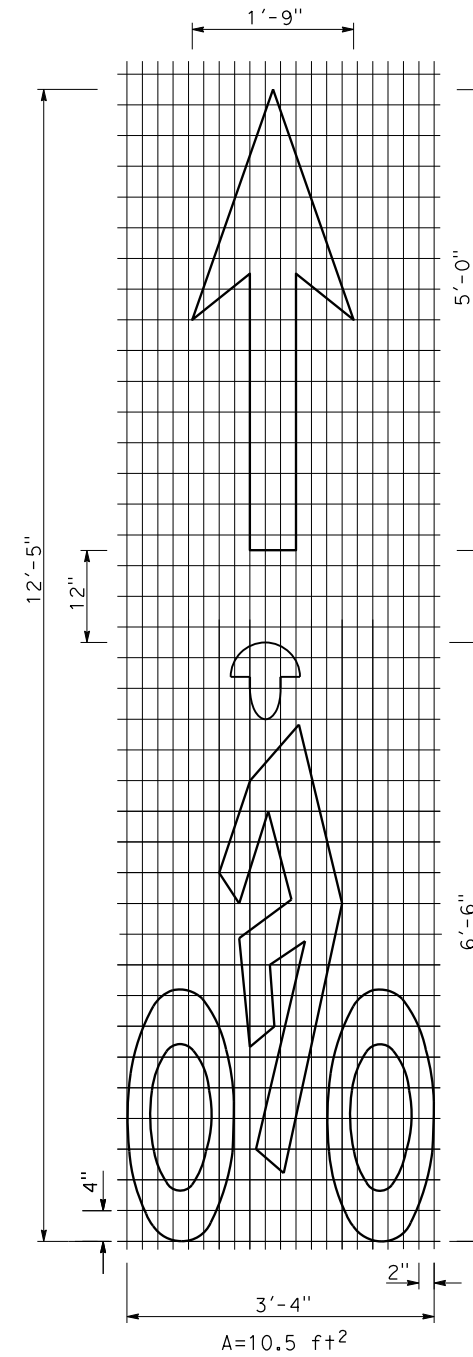
PAVEMENT DELINEATION DETAILS
NO SCALE

| | | | | | | | | | | | | | |
|--|--|------------------------------------|--|--|--|---------------------------|--|---|-----------|--------------|--------------|-----------|--|
| REVISED BY DATE REVISED | DESIGNED BY: E. FARAH DRAWN BY: E. FARAH CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON | | REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE PLANS APPROVAL DATE | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer CADD FILENAME => YBISnb001.dgn CONTRACT NO. <table style="width: 100%; border: none;"> <tr> <td style="border: none;">SHEET NAME</td> <td style="border: none;">SHEET NO.</td> <td style="border: none;">TOTAL SHEETS</td> </tr> <tr> <td style="border: none;">PDD-1</td> <td style="border: none;">98</td> <td style="border: none;"></td> </tr> </table> | SHEET NAME | SHEET NO. | TOTAL SHEETS | PDD-1 | 98 | |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | |
| PDD-1 | 98 | | | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | | | | LAST REVISION 11-15-19 | | DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:36:00 PM | | | | | |

X:\YB1_STRUCTURE\000_CAD_Sheets\NA-Pavement-Del\lineation\NB-Detail\YB1Snb001.dgn



CONTINENTAL CROSSWALK



BIKE LANE MARKING






PAVEMENT DELINEATION DETAILS
NO SCALE

| | | | | | | | | | | |
|---|------------------------------|--|---------------------------------------|----------------------|--|--|--|-----------------------------------|-----------------------------|--------------|
| REVISIONS | DESIGNED BY: E. FARAH | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer | | |
| | DRAWN BY: E. FARAH | | | | | | | CADD FILENAME => YBISnb002.dgn | | |
| | CHECKED BY: S. DWYER | | PLANS APPROVAL DATE | | | | | CONTRACT NO. | | |
| | APPROVED BY: D. DICKINSON | | | | | | | | | |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | | SHEET NAME | SHEET NO. | TOTAL SHEETS |
| PROJECT DESCRIPTION | | | | | | | | PDD-2 | 99 | |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES | 0 1 2 3 | | | | LAST REVISION | DATE PLOTTED => 11/17/2019 | |
| | | | | | | | | 11-15-19 | TIME PLOTTED => 10:36:01 PM | |

PAVEMENT DELINEATION QUANTITIES

| SHEET No. | LOCATION/STATION | | | | DIRECTION | DETAIL No. | THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY) | | | TRAFFIC CONTRAST STRIPE BLACK PAINT (2-COAT) | THERMOPLASTIC PAVEMENT MARKINGS | PAVEMENT MARKER (RETROREFLECTIVE) | | | OBJECT MARKER | | | DELINEATOR (CLASS 1) | | DESCRIPTION/ COMMENTS |
|----------------|------------------|-------|----|------|-----------|------------|--|----------|----------|--|---------------------------------|-----------------------------------|------|----|---------------|---|----|----------------------|---------------------------------|-----------------------|
| | | | | | | | 6" YELLOW | 6" WHITE | 8" WHITE | 6" BLACK | | TYPE | | | TYPE | | | TYPE | | |
| | | | | | | | SOLID | | | SOLID | | C | D | RY | L | P | R | G | F | |
| | | | | | | | LF | | | | | | SQFT | EA | | | | | | |
| | "L" 48+20 | | | | SB | LL | | | | 11 | | | | | | | | | LIMIT LINE | |
| PD-1 | "L" | 48+20 | TO | "TL" | 65+23 | SB | 27B | | 1,710 | | | | | | | | | | | |
| | "L" | 50+39 | TO | "L" | 51+64 | SB | 25 | 128 | | | | | 7 | | | | | | | |
| | "L" | 50+39 | TO | "L" | 51+64 | NB | 25 | 155 | | | | | 8 | | | | | | | |
| | "L" | 51+64 | TO | "L" | 58+38 | NB/SB | 22 | 697 | | | | 61 | | | | | | | | |
| | "L" | 49+27 | TO | "TU" | 69+43 | NB | 27B | | | | | | | | | | | | | |
| | "L" | 49+27 | TO | "TU" | 69+43 | NB | 39 | | 2,052 | | | | | | | | | | | |
| | "L" | 49+27 | TO | "TU" | 69+43 | NB | 39 | | 2,058 | | | | | | | | | | | |
| | "L" | 48+20 | TO | "TU" | 69+58 | NB | 39 | | | | | | | | | | | | | |
| PD-2 | "L" | 56+68 | TO | "TU" | 69+43 | NB | | | | 450 | | | | | | | | | 4" WHITE DIAGONAL BIKE MARKING | |
| | "L" | 49+44 | TO | "L" | 53+49 | NB | | | 21 | | | | | | | | | | | |
| | "L" | 58+38 | TO | "L" | 83+72 | NB | 25 | 2,527 | | | | | 107 | | | | | | | |
| | "L" | 58+38 | TO | "TL" | 65+23 | SB | 25 | 702 | | | | | 31 | | | | | | BIKE MARKING | |
| | "L" | 57+02 | TO | "L" | 58+54 | NB | | | | 21 | | | | | | | | | | |
| | "L" | 58+38 | TO | "L" | 62+00 | SB | | | | | | | | 1 | | | 17 | | | |
| | "L" | 58+38 | TO | "L" | 62+62 | NB/SB | | | | | | | | | | | | | 8" YELLOW DIAGONAL BIKE MARKING | |
| | "L" | 58+38 | TO | "L" | 62+62 | NB/SB | | | | 135 | | | | | | | | | | |
| PD-3 | "L" | 60+05 | TO | "L" | 64+65 | NB | | | | 42 | | | | | | | | | | |
| | "L" | 62+00 | TO | "L" | 64+00 | NB | | | | 96 | | | | 4 | | | | | 8" WHITE DIAGONAL | |
| | "TL" | 65+23 | TO | "TL" | 67+76 | SB | 25C | 249 | | | | | 12 | | | | | | | |
| | "TL" | 65+23 | TO | "TL" | 67+76 | SB | 27BC | | 253 | | | | | | | | | | | |
| PD-4 | "L" | 65+43 | TO | "L" | 68+43 | NB | 39 | | 338 | | | | | | | | | | | |
| | "L" | 66+23 | TO | "L" | 71+27 | NB | | | | 42 | | | | | | | | | BIKE MARKING | |
| | "L" | 69+00 | TO | "L" | 71+00 | NB | | | | | | | | | | | 10 | | | |
| | "TL" | 68+90 | TO | "TL" | 71+00 | NB | | | | | | | | | 1 | | | | | |
| | "TL" | 67+76 | TO | "TL" | 75+43 | SB | 25 | 745 | | | | | | | | | | | | |
| | "TL" | 67+76 | TO | "TL" | 75+43 | SB | 27B | 776 | | | | | | | | | | | | |
| | "TU" | 67+97 | | "TU" | 72+00 | SB | | | | 273 | | | | | | | | | 8" WHITE DIAGONAL | |
| | "TU" | 67+97 | | "TU" | 72+00 | NB | | | | 20 | | | | | 1 | | 9 | | "BUS" | |
| SUBTOTAL PDQ-1 | | | | | | | | 5,979 | 6,411 | | 1,004 | 1,111 | | 61 | 198 | 1 | 6 | 19 | 17 | |

PAVEMENT DELINEATION QUANTITIES






| | | | | | | | | | | |
|--------------------------------|------|---|------------------------------------|--|---------------------------|---|--|---|--|--------------------|
| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | DESIGNED BY: E. FARAH |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| | | | DRAWN BY: E. FARAH | | PLANS APPROVAL DATE | CADD FILENAME => YBISnc001.dgn | | | | |
| | | | CHECKED BY: S. DWYER | | | CONTRACT NO. | | | | |
| | | | APPROVED BY: D. DICKINSON | | | SHEET NAME SHEET NO. TOTAL SHEETS PDQ-1 100 | | | | |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES | | | 0 1 2 3  | | | LAST REVISION DATE PLOTTED => 11/17/2019 11-15-19 TIME PLOTTED => 10:36:03 PM | |

X:\YBI_STRUCTURES\000_CAD_Sheets\NA-Pavement-Delineation\NC-Quantities\YBISnc001.dgn

PAVEMENT DELINEATION QUANTITIES

| SHEET No. | LOCATION/STATION | | | | | | DIRECTION | DETAIL No. | THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY) | | | TRAFFIC CONTRAST STRIPE BLACK PAINT (2-COAT) | THERMOPLASTIC PAVEMENT MARKINGS | PAVEMENT MARKER (RETROREFLECTIVE) | | | OBJECT MARKER | | | DELINEATOR (CLASS 1) | | DESCRIPTION/ COMMENTS |
|----------------|------------------|-------|----|------|-------|-------|-----------|------------|--|----------|----------|--|---------------------------------|-----------------------------------|------|-----|---------------|---|---|-----------------------|-------------------|-----------------------|
| | | | | | | | | | 6" YELLOW | 6" WHITE | 8" WHITE | 6" BLACK | | TYPE | | | TYPE | | | TYPE | | |
| | | | | | | | | | SOLID | | | SOLID | | C | D | RY | L | P | R | G | F | |
| | | | | | | | | | LF | | | | | | SQFT | EA | | | | | | |
| | "TU" 68+37 | | | | | | NB | | | | | 22 | | | | | | | | "ONLY" | | |
| PD-4 | "TU" | 69+48 | TO | "TU" | 69+58 | NB/SB | | | | | 1,200 | | | | | | | | | CONTINENTAL CROSSWALK | | |
| | "L" | 67+79 | TO | "L" | 69+41 | NB/SB | 36 | | 187 | | 9 | | | | | | 1 | | | | | |
| | "TU" | 69+58 | TO | "TU" | 71+00 | NB | | | | | 208 | | | | | | 1 | | | | 8" WHITE DIAGONAL | |
| | "TU" | 69+58 | TO | "TU" | 73+29 | NB | 25 | 371 | | | | | | | 17 | | | | | | | |
| | "TU" | 73+29 | TO | "TU" | 76+02 | NB | 25C | 275 | | | | | | | 13 | | | | | | | |
| | "TU" | 73+29 | TO | "TU" | 76+02 | NB | 27BC | | | | | | | | | | | | | | | |
| | "L" | 69+41 | TO | "L" | 72+31 | NB | 27B | | | 246 | | | | | | | | | | | | |
| | "L" | 69+41 | TO | "L" | 72+31 | NB | | | | 290 | | | | | | | | 3 | | | | 4" WHITE DIAGONAL |
| PD-5 | "L" | 69+62 | TO | "L" | 72+31 | NB | 39 | | 277 | | | | | | | | | | | | | |
| | "L" | 69+41 | TO | "L" | 72+31 | NB | 39 | | 287 | | | | | | | | | | | | | |
| PD-6 | "L" | 72+31 | TO | "L" | 83+72 | NB | 12A | | 1,142 | | | 25 | | | | | | | | | | |
| | "L" | 72+31 | TO | "L" | 83+72 | NB | 27B | | 1,153 | | | | | | | | | | 1 | | | |
| PD-6 | "L" 83+72 | | | | | | LL | | | | 24 | | | | | | | | | | LIMIT LINE | |
| | "L" 83+39 | | | | | | | | | | 25 | | | | | | | | | | | TYPE 1 |
| | "L" 83+39 | | | | | | | | | | 27 | | | | | | | | | | | TYPE VII (L) ARROW |
| | "L" 83+63 | | | | | | | | | | 44 | | | | | | | | | | | STOP |
| PD-1-6 | "L" | 51+64 | TO | "L" | 59+00 | NB/SB | 22 | | | | | | | | | | | | | | | |
| | "L" | 48+20 | TO | "L" | 59+00 | NB | 27B | | | | | | | | | | | | | | | |
| | "L" | 49+27 | TO | "L" | 59+00 | SB | 27B | | | | | | | | | | | | | | | |
| | "TL" | 73+00 | TO | "TL" | 75+43 | SB | 27B | | | | | | | | | | | | | | | |
| | "TL" | 73+00 | TO | "TL" | 75+43 | SB | 25 | | | | | | | | | | | | | | | |
| | "L" | 69+00 | TO | "L" | 83+72 | NB/SB | 22 | | | | | | | | | | | | | | | |
| SUBTOTAL PDQ-2 | | | | | | | | | 646 | 3,395 | 187 | 1,042 | 1,629 | 34 | | 30 | 4 | 1 | 1 | | | |
| SUBTOTAL PDQ-1 | | | | | | | | | 5,979 | 6,411 | | 1,004 | 1,111 | | 61 | 198 | 1 | 6 | | 19 | 17 | |
| TOTAL | | | | | | | | | 6,625 | 9,806 | 187 | 2,046 | 2,740 | | 323 | | 12 | | | 37 | | |

PAVEMENT DELINEATION QUANTITIES

| | | | | | | | |
|---|--------------|--|---|--|---|---|--|
| REVISOR | DATE REVISOR | DESIGNED BY: E. FARAH DRAWN BY: E. FARAH CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE PLANS APPROVAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | CADD FILENAME => YBISnc002.dgn |
| PROJECT DESCRIPTION | | | | | | | CONTRACT NO. |
| BORDER LAST REVISED 11/15/2019 | | | | | | | SHEET NAME: PDQ-2 SHEET NO.: 101 TOTAL SHEETS: 101 |
| RELATIVE BORDER SCALE IS IN INCHES | | | 0 1 2 3  | LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:36:04 PM | | | |

X:\YB1_STRUCTURE\000_CAD_Sheets\NA-Pavement-Delineation\NC-Quantities\YBISnc002.dgn

NOTES:

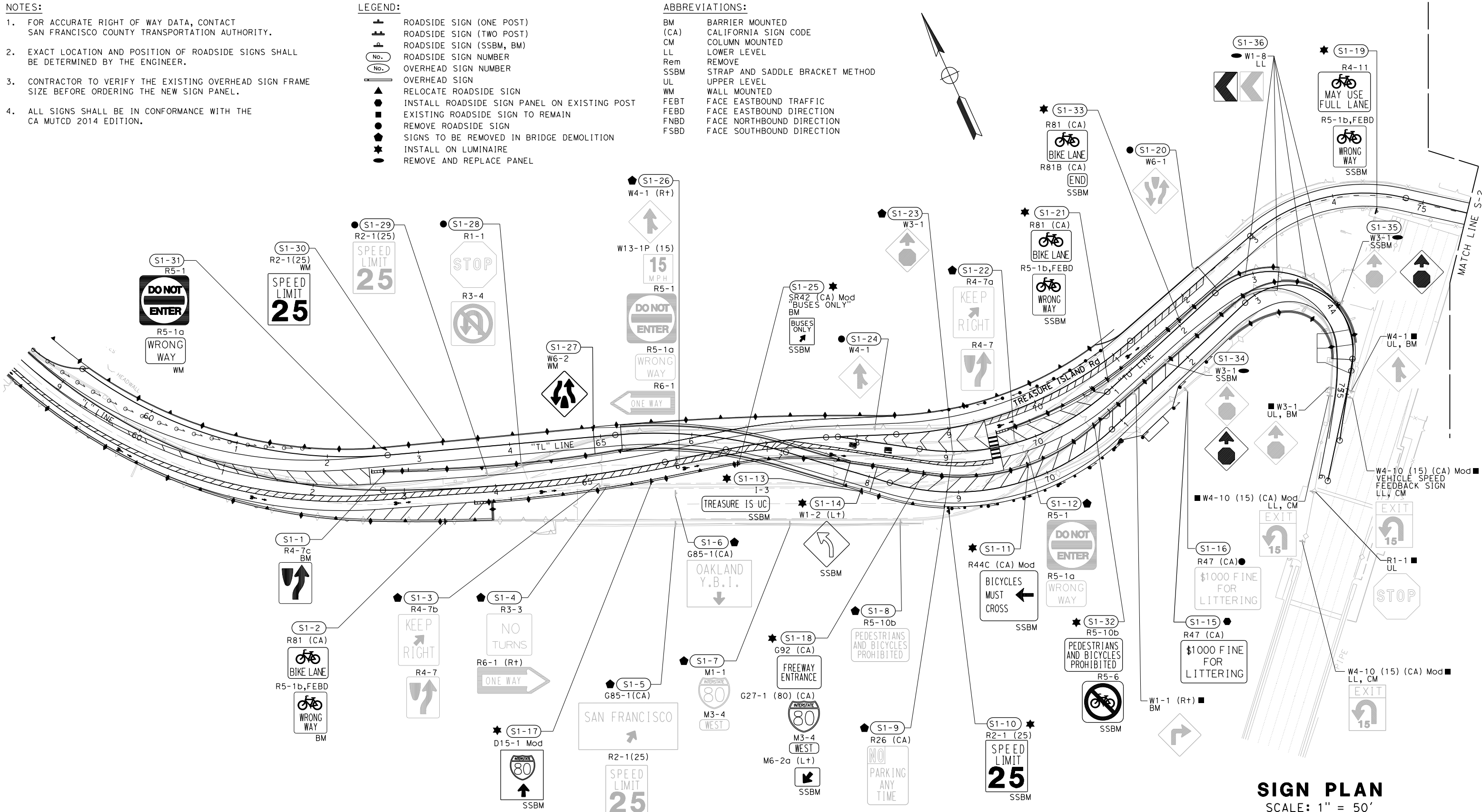
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY.
- EXACT LOCATION AND POSITION OF ROADSIDE SIGNS SHALL BE DETERMINED BY THE ENGINEER.
- CONTRACTOR TO VERIFY THE EXISTING OVERHEAD SIGN FRAME SIZE BEFORE ORDERING THE NEW SIGN PANEL.
- ALL SIGNS SHALL BE IN CONFORMANCE WITH THE CA MUTCD 2014 EDITION.

LEGEND:





- ROADSIDE SIGN (ONE POST)
- ROADSIDE SIGN (TWO POST)
- ROADSIDE SIGN (SSBM, BM)
- ROADSIDE SIGN NUMBER
- OVERHEAD SIGN NUMBER
- OVERHEAD SIGN
- RELOCATE ROADSIDE SIGN
- INSTALL ROADSIDE SIGN PANEL ON EXISTING POST
- EXISTING ROADSIDE SIGN TO REMAIN
- REMOVE ROADSIDE SIGN
- SIGNS TO BE REMOVED IN BRIDGE DEMOLITION
- INSTALL ON LUMINAIRE
- REMOVE AND REPLACE PANEL

ABBREVIATIONS:

- BM BARRIER MOUNTED
- (CA) CALIFORNIA SIGN CODE
- CM COLUMN MOUNTED
- LL LOWER LEVEL
- Rem REMOVE
- SSBM STRAP AND SADDLE BRACKET METHOD
- UL UPPER LEVEL
- WM WALL MOUNTED
- FEBT FACE EASTBOUND TRAFFIC
- FEBD FACE EASTBOUND DIRECTION
- FNBD FACE NORTHBOUND DIRECTION
- FSBD FACE SOUTHBOUND DIRECTION

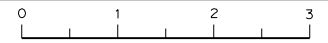


SIGN PLAN
SCALE: 1" = 50'

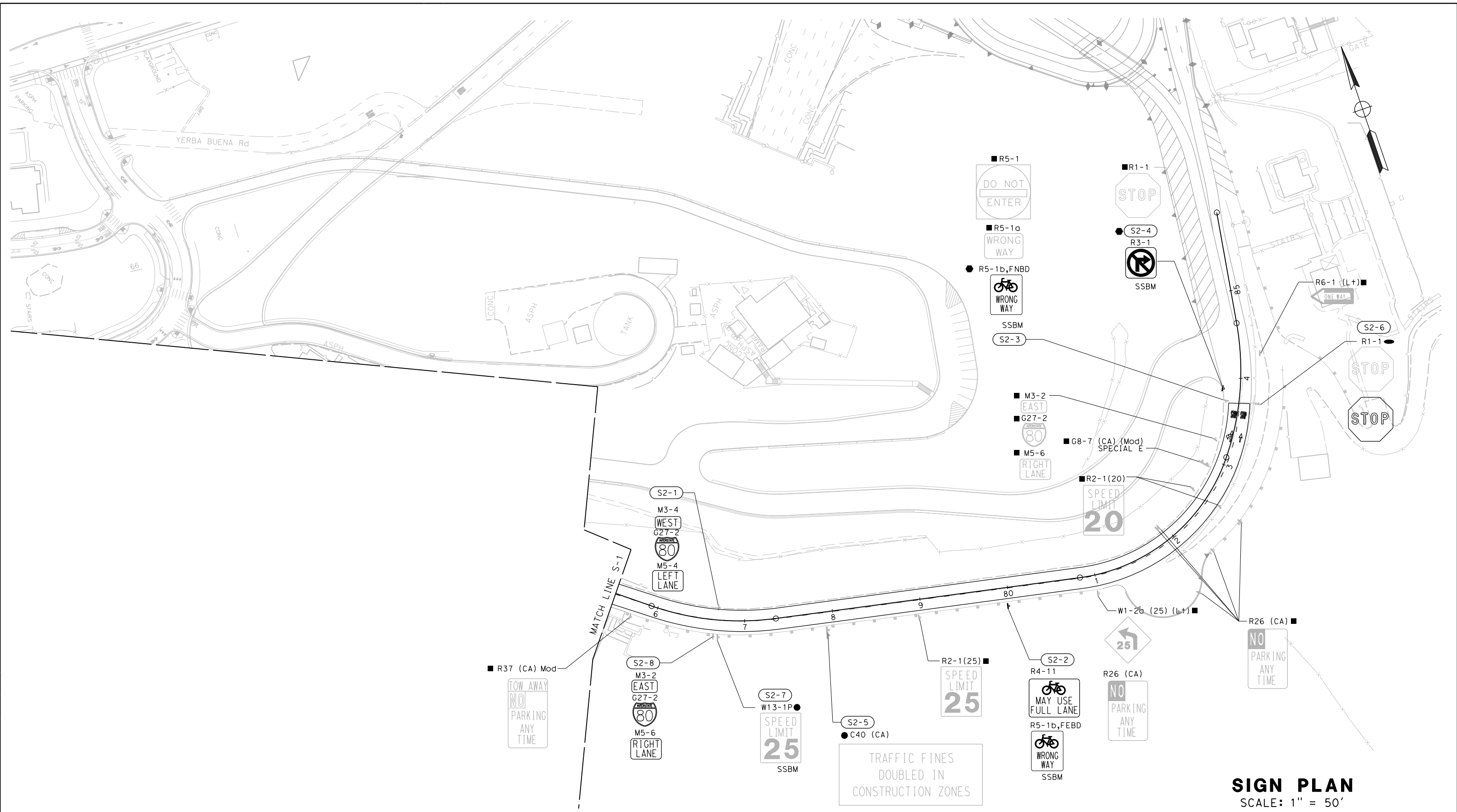
| | | | | | | | | | | | | | |
|----------------------------|--|---|--|--|---|---|---|------------|-----------|--------------|------------|------------|--|
| REVISED BY DATE REVISED | DESIGNED BY: D. GALVEZ DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  REGISTERED PROFESSIONAL ENGINEER No. _____ Exp. _____ CIVIL STATE OF CALIFORNIA | REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE _____ PLANS APPROVAL DATE _____ |  WMH 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer CADD FILENAME => YBISoa001.dgn CONTRACT NO. _____ <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">SHEET NAME</td> <td style="width: 33%;">SHEET NO.</td> <td style="width: 33%;">TOTAL SHEETS</td> </tr> <tr> <td style="text-align: center;">S-2</td> <td style="text-align: center;">102</td> <td></td> </tr> </table> LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:36:07 PM | SHEET NAME | SHEET NO. | TOTAL SHEETS | S-2 | 102 | |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | |
| S-2 | 102 | | | | | | | | | | | | |

BORDER LAST REVISED 11/15/2019

RELATIVE BORDER SCALE IS IN INCHES



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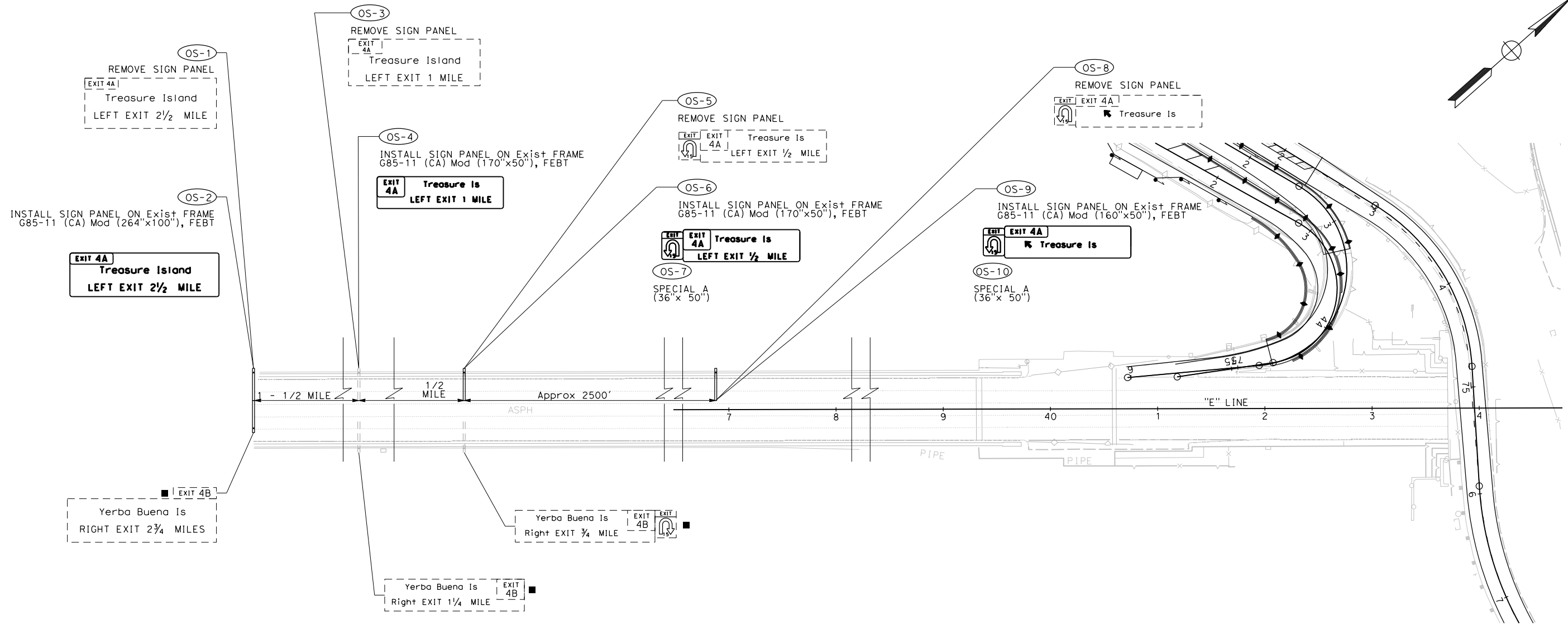
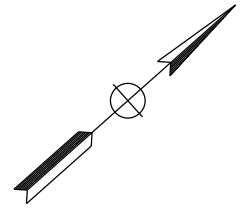
SIGN PLAN
SCALE: 1" = 50'

| <table border="1"> <tr> <th>REVISED BY</th> <th>DATE REVISED</th> </tr> <tr> <td> </td> <td> </td> </tr> </table> | REVISED BY | DATE REVISED | | | <p>DESIGNED BY: D. GALVEZ</p> <p>DRAWN BY: D. GALVEZ</p> <p>CHECKED BY: S. DWYER</p> <p>APPROVED BY: D. DICKINSON</p> | | <p>REGISTERED CIVIL ENGINEER</p> <p>PLANS SUBMITTAL DATE</p> <p>PLANS APPROVAL DATE</p> | <p>WMH</p> <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | <p>USERNAME => sdwyer</p> <p>CADD FILENAME => YBISoa002.dgn</p> <p>CONTRACT NO.</p> <table border="1"> <tr> <th>SHEET NAME</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> <tr> <td>S-3</td> <td>103</td> <td> </td> </tr> </table> <p>LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:36:08 PM</p> | SHEET NAME | SHEET NO. | TOTAL SHEETS | S-3 | 103 | |
|---|--------------|--------------|--|--|---|--|---|--|--|--|---|------------|-----------|--------------|------------|------------|--|
| REVISED BY | DATE REVISED | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | | | | |
| S-3 | 103 | | | | | | | | | | | | | | | | |

BORDER LAST REVISED 11/15/2019



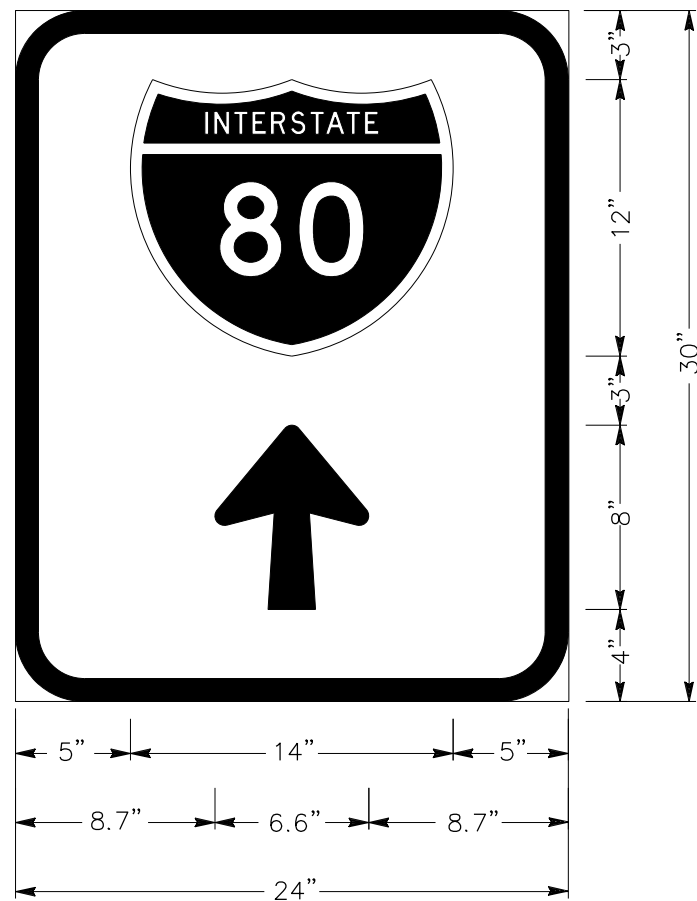
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SIGN PLAN
SCALE: 1" = 50'

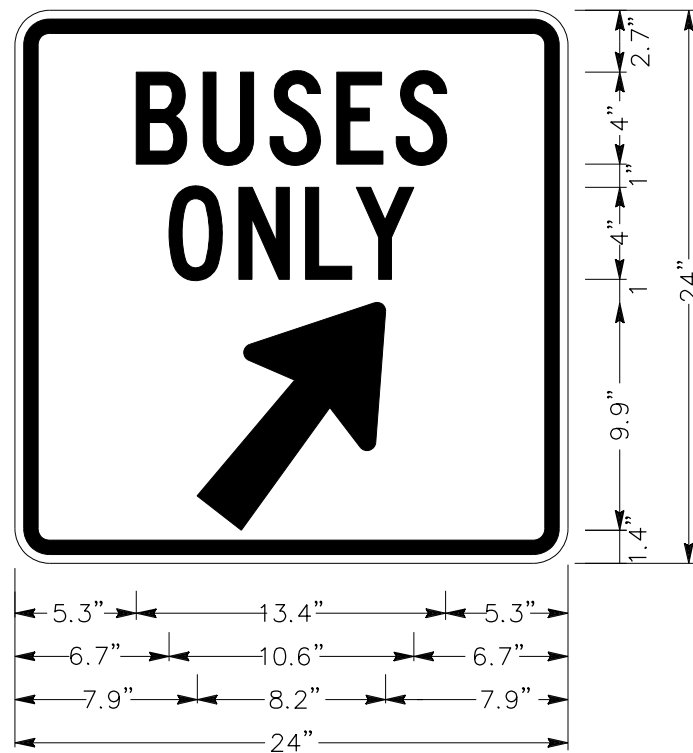
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|--------------------------------|------------|--|---|--|---|----------------------|--|--|---|--|------------|
| REVISOR | DATE | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: D. GALVEZ | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | | | | USERNAME => sdwyer | |
| | | | DRAWN BY: D. GALVEZ | | | | | | | CADD FILENAME => YBISoa003.dgn | |
| | | | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. | |
| | | | APPROVED BY: D. DICKINSON | | PLANS APPROVAL DATE | | | | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>S-4</td> <td>104</td> <td></td> </tr> </table> | SHEET NAME |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | |
| S-4 | 104 | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | RELATIVE BORDER SCALE IS IN INCHES | | LAST REVISION 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:36:10 PM | | |

X:\YBI_STRUCTURE\000_CAD_Sheets\0A-Signs\0A-Plans\YBISoa003.dgn



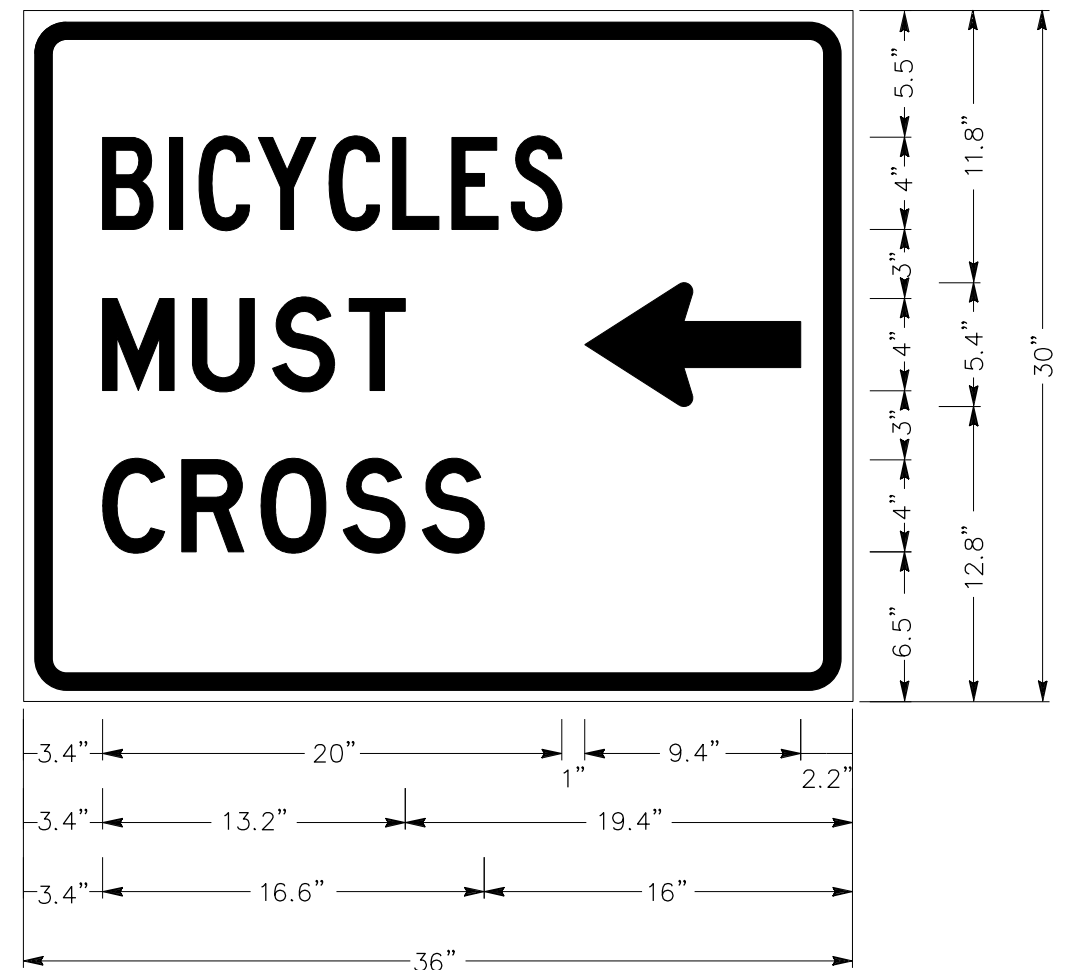
3.0" Radius, 1.0" Border, White on Green;
Arrow Custom – 8.0" 90°

S1-17



1.5" Radius, 0.6" Border, 0.4" Indent, Black on White;
[BUSES] C 85% spacing;
[ONLY] C 85% spacing;
Arrow 5CAP-2LV – 11.5" 52° White.

S1-25

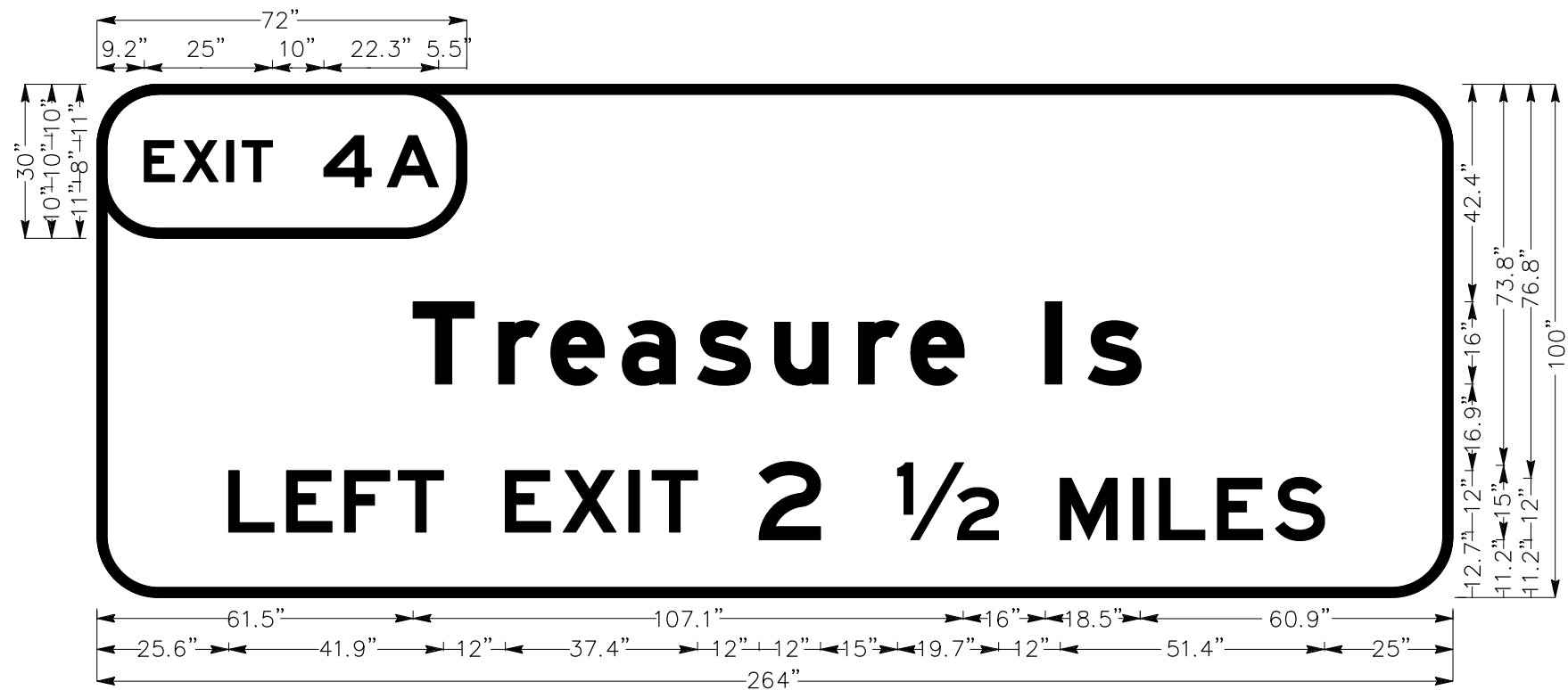


1.9" Radius, 0.8" Border, 0.5" Indent, Black on White;
[BICYCLES] C 85% spacing;
[MUST] C 85% spacing; [CROSS] D;
Standard Arrow Custom 9.4" X 5.4' 180 White.

S1-11

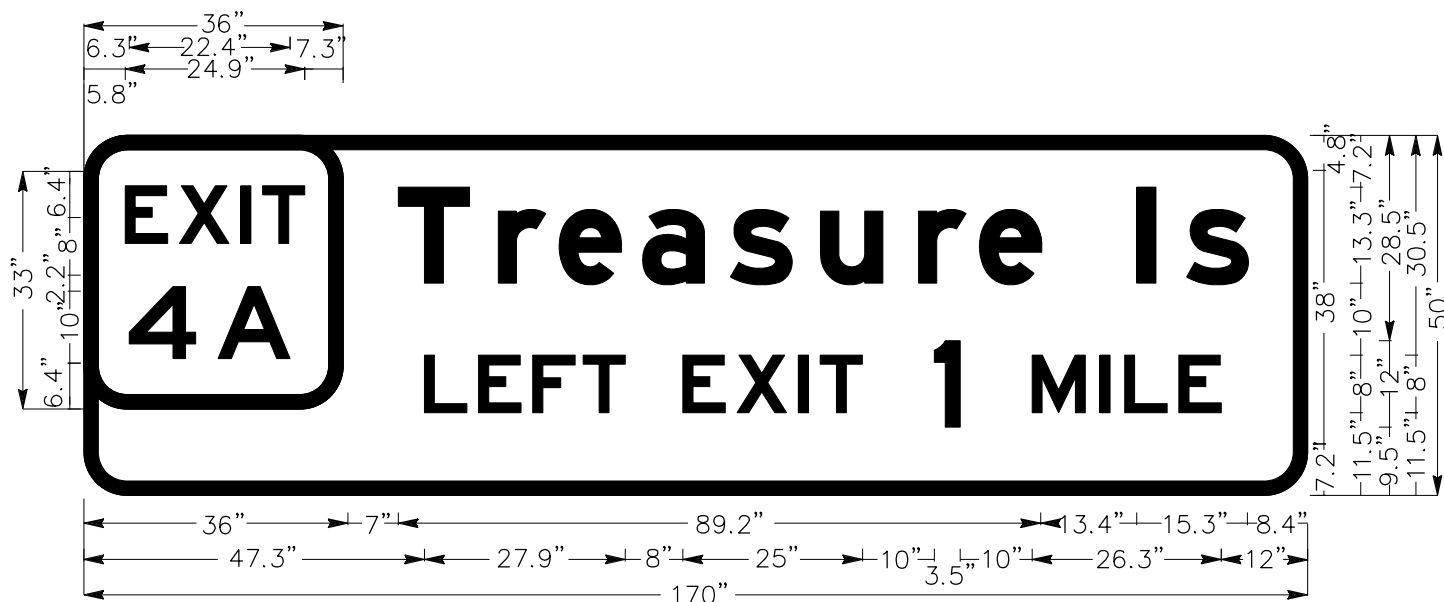
SIGN DETAILS NO SCALE

| | | | | | | | | |
|---|------------------------------|------------------------------------|---------------------------|----------------------|--|--|--|---|
| REVISIONS | DESIGNED BY: D. GALVEZ | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | | | | USERNAME => sdwyer |
| | DRAWN BY: D. GALVEZ | | | | | | | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |
| | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. |
| | APPROVED BY: D. DICKINSON | | | PLANS APPROVAL DATE | | | | |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | | SHEET NAME |
| PROJECT DESCRIPTION | | | | | | | | SHEET NO. |
| | | | | | | | | TOTAL SHEETS |
| | | | | | | | | SD-1 |
| | | | | | | | | 105 |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | | 0 1 2 3 | | | | LAST REVISION |
| | | | | | | | | DATE PLOTTED => 11/17/2019 |
| | | | | | | | | TIME PLOTTED => 10:36:12 PM |



Identifier : G85-11 (CA) Mod
 12.0" Radius, 2.0" Border, White on Green;
 [Treasure Is] E Mod; [LEFT EXIT] E; [2 1/2] E; [MILES] E;
 [EXIT] E; [4A] E

OS-2

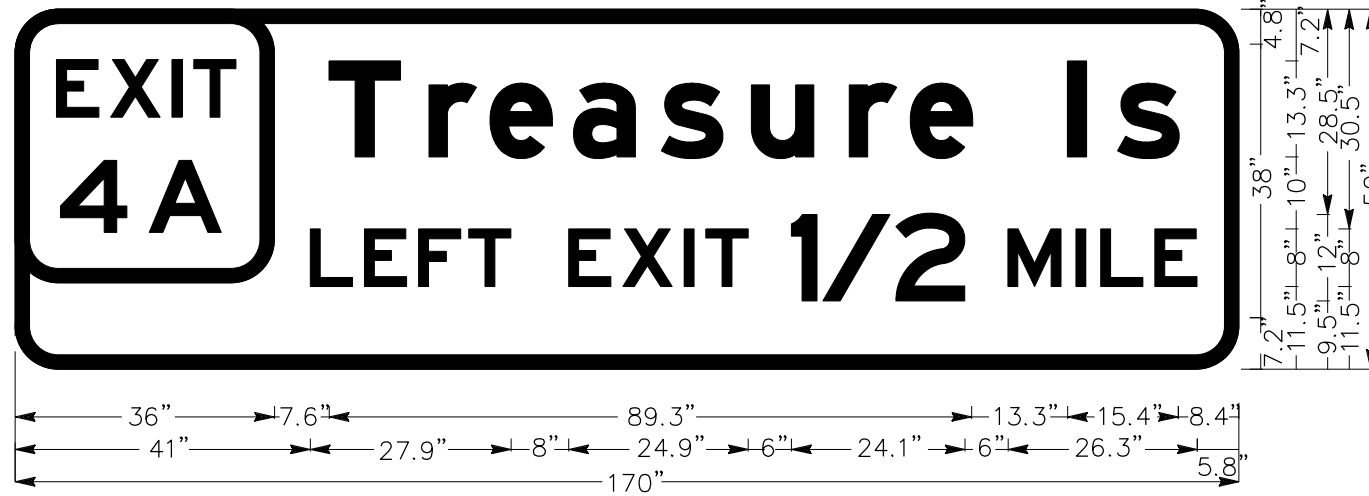


Identifier : G85-11 (CA) Mod
 6.0" Radius, 2.0" Border, White on Green;
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 [EXIT] E; [4A] E;

OS-4

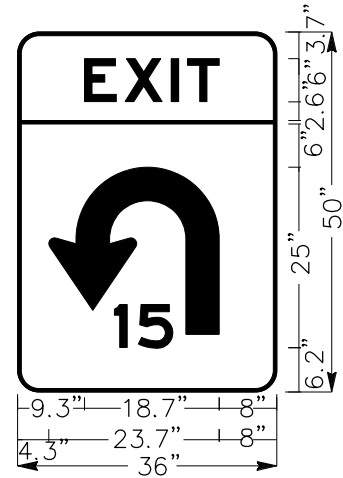
SIGN DETAILS
 NO SCALE

| REVISIONS | DESIGNED BY: D. GALVEZ | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer | | |
|---|------------------------------|------------------------------------|---------------------------|--|--|--|--|---|------------|-----------|
| | DRAWN BY: D. GALVEZ | | | | | | | CADD FILENAME => YBISob002.dgn | | |
| | CHECKED BY: S. DWYER | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | | | CONTRACT NO. | | |
| | APPROVED BY: D. DICKINSON | | | | | | | <table border="1"> <tr> <th>SHEET NAME</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> <tr> <td>SD-2</td> <td>106</td> <td></td> </tr> </table> | SHEET NAME | SHEET NO. |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | |
| SD-2 | 106 | | | | | | | | | |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | | LAST REVISION | | |
| PROJECT DESCRIPTION | | | | | | | | DATE PLOTTED => 11/17/2019 | | |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | | 0 1 2 3 | | | | TIME PLOTTED => 10:36:14 PM | | |



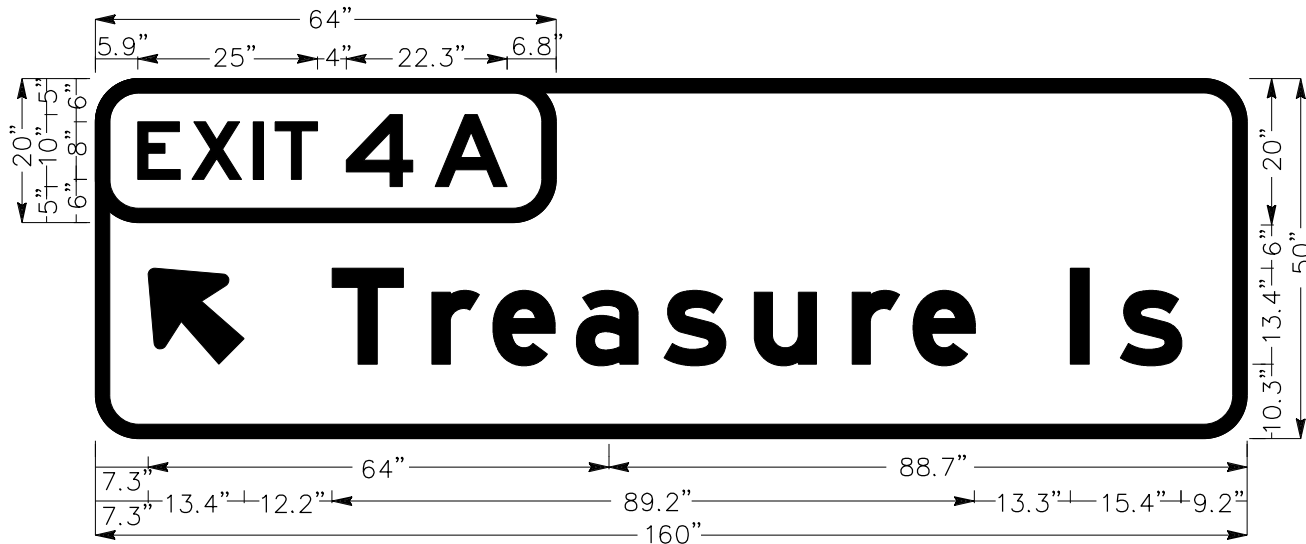
Identifier : G85-11 (CA) Mod
 6.0" Radius, 2.0" Border, White on Green;
 [Treasure Is] E Mod; [LEFT EXIT] E; [1/2] E; [MILES] E;
 [EXIT] E; [4A] E;

OS-6



3.0" Radius, 0.5" Border, Black on Yellow;
 [EXIT] E; 15;

OS-7 OS-10



Identifier : G85-11 (CA) Mod
 6.0" Radius, 2.0" Border, White on Green;
 Arrow 10CAP-1L - 16.0" 135°; [Treasure Is] E Mod;
 [EXIT] E; [4A] E;

OS-9

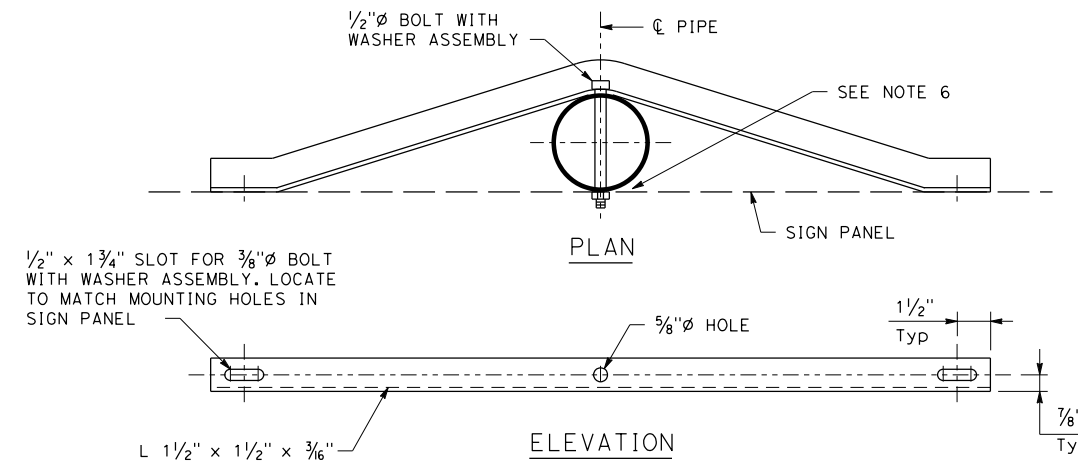
SIGN DETAILS
 NO SCALE

| REVISIONS | DESIGNED BY: D. GALVEZ | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer | | | | | | | | | |
|---|------------------------------|---------------------|------------------------------------|---|--|------------|-----------|-----------------------------------|-------------|------------|--|---|--|---------------|----------------------------|----------|-----------------------------|
| | DRAWN BY: D. GALVEZ | | | | | | | CADD FILENAME => YBISob003.dgn | | | | | | | | | |
| | CHECKED BY: S. DWYER | | PLANS APPROVAL DATE | | | | | CONTRACT NO. | | | | | | | | | |
| | APPROVED BY: D. DICKINSON | | | | | | | | | | | | | | | | |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | PROJECT DESCRIPTION | | <table border="1"> <thead> <tr> <th>SHEET NAME</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> </thead> <tbody> <tr> <td>SD-3</td> <td>107</td> <td></td> </tr> </tbody> </table> | | SHEET NAME | SHEET NO. | TOTAL SHEETS | SD-3 | 107 | | <table border="1"> <tr> <td>LAST REVISION</td> <td>DATE PLOTTED => 11/17/2019</td> </tr> <tr> <td>11-15-19</td> <td>TIME PLOTTED => 10:36:15 PM</td> </tr> </table> | | LAST REVISION | DATE PLOTTED => 11/17/2019 | 11-15-19 | TIME PLOTTED => 10:36:15 PM |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | | | | |
| SD-3 | 107 | | | | | | | | | | | | | | | | |
| LAST REVISION | DATE PLOTTED => 11/17/2019 | | | | | | | | | | | | | | | | |
| 11-15-19 | TIME PLOTTED => 10:36:15 PM | | | | | | | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | RELATIVE BORDER SCALE IS IN INCHES | | | | | | | | | | | | | | |

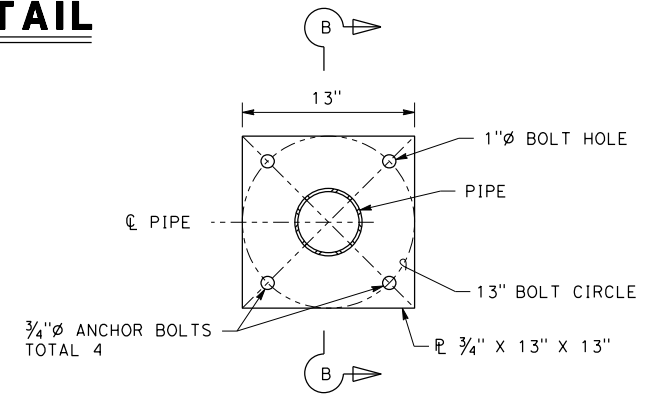
X:\YB\STRUCTURES\000_CAD_Sheets\04-Signs\0B-Detail\15\YBISob003.dgn

NOTES:

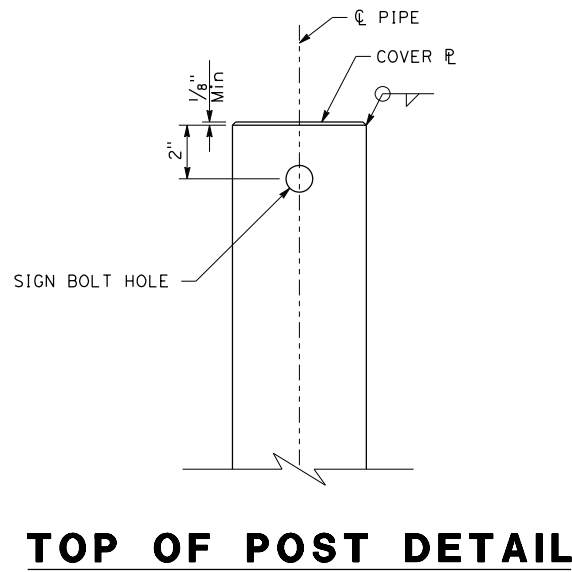
- FOR DETAILS NOT SHOWN SEE CALTRANS STANDARD PLANS
- WASHER ASSEMBLY CONSISTS OF TWO OVERSIZE WASHERS, NUT, TWO FIBER WASHERS, NUT, AND JAM NUT.
- ALL STEEL MUST BE GALVANIZED AFTER FABRICATION.
- FOR LOCATION OF SIGNS AND CONCRETE BARRIER DETAILS SEE LAYOUT PLANS.
- RESIN CAPSULE IS SUBJECT TO APPROVAL OF THE ENGINEER. INSTALLATION PROCEDURE MUST COMPLY WITH MANUFACTURERS INSTRUCTIONS. RESIN CAPSULE BOLT ANCHORS MUST BE INSTALLED IN SOUND CONCRETE FREE OF CRACKS OR DELAMINATION.
- INSERT WOOD BLOCK BETWEEN SIGN POST AND SIGN WHERE SHOWN.
- ALL BOLTS MUST HAVE A WASHER UNDER THE NUT. BOLTS THROUGH POST MUST BE 1#2"Ø. BOLTS THROUGH SIGN PANEL AND BACK BRACE MUST BE 3#8"Ø. REAM HOLES IN SIGN AS REQUIRED.



BACK BRACE DETAIL

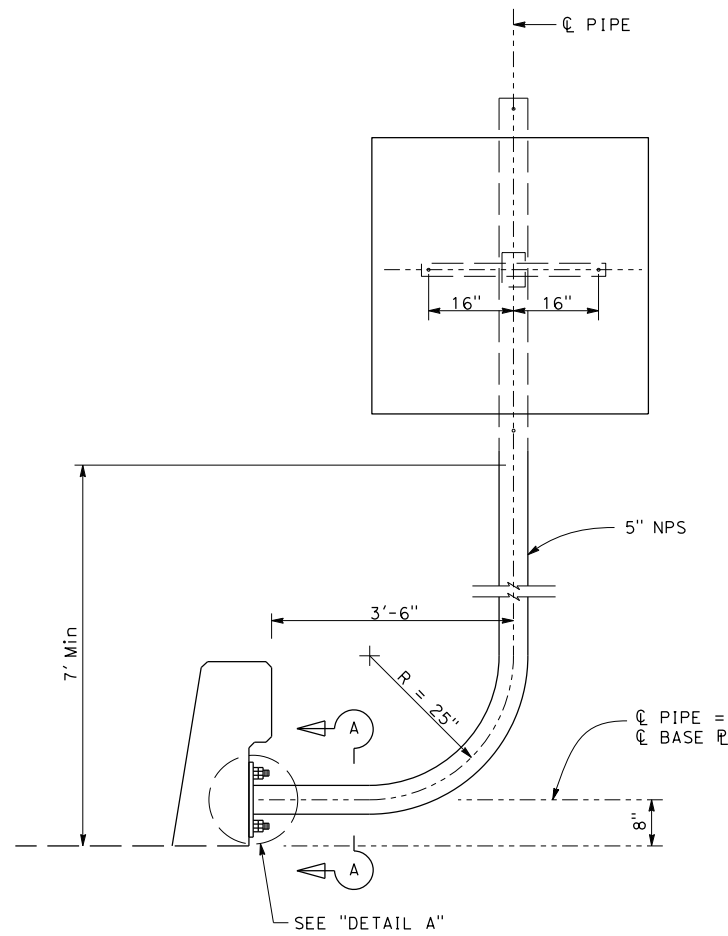
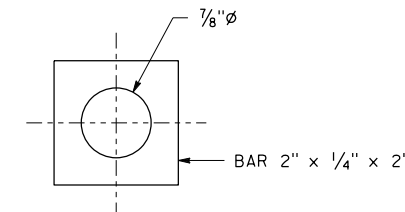


SECTION A-A

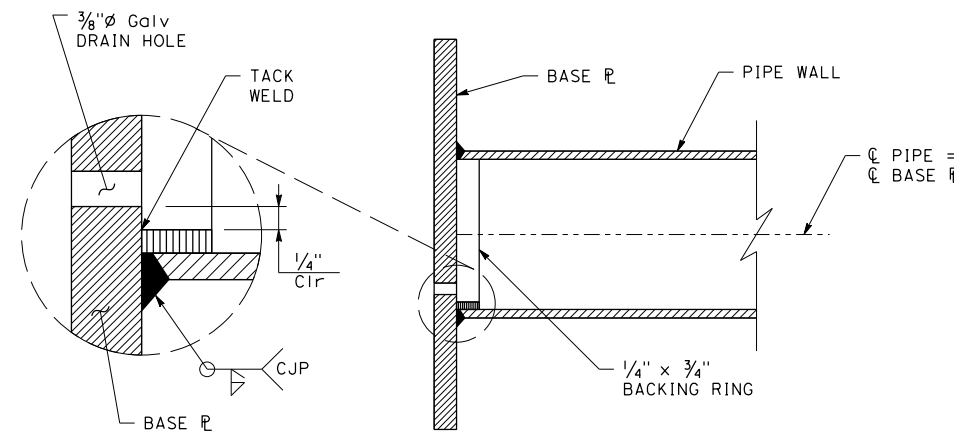


TOP OF POST DETAIL

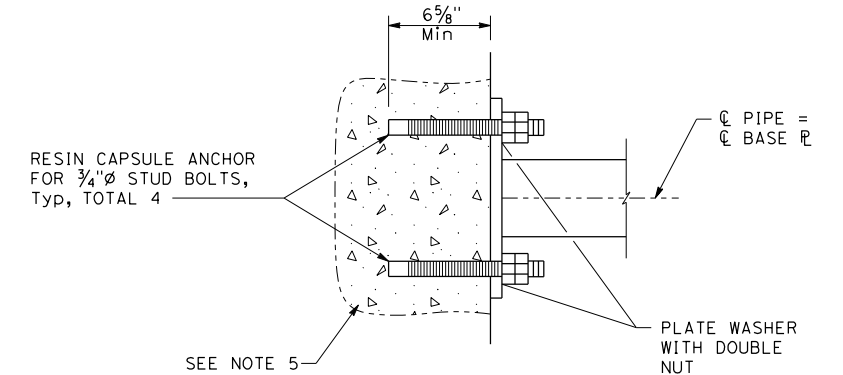
PLATE WASHER



BARRIER MOUNTING DETAIL







SECTION B-B



DETAIL A

**SIGN DETAILS
NO SCALE**





| | | | | | | | |
|---|--|------------------------------------|--|--|---|---|--------------------------------|
| DESIGNED BY: D. GALVEZ |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> |  |  | USERNAME => sdwyer |
| DRAWN BY: D. GALVEZ | | PLANS APPROVAL DATE | W/MH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | CADD FILENAME => YBISob004.dgn |
| CHECKED BY: S. DWYER | | RELATIVE BORDER SCALE IS IN INCHES | 0 1 2 3 | | | | CONTRACT NO. |
| APPROVED BY: D. DICKINSON | | | | | | | |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | SHEET NAME | |
| PROJECT DESCRIPTION | | | | | | SHEET NO. TOTAL SHEETS | |
| | | | | | | SD-4 108 | |
| BORDER LAST REVISED 11/15/2019 | | | | | | LAST REVISION DATE PLOTTED => 11/17/2019 11-15-19 TIME PLOTTED => 10:36:17 PM | |

ROADSIDE SIGN QUANTITIES SUMMARY

| SHEET No. | SIGN No. | SIGN CODE | | SIGN PANEL SIZE | "C" DIM IN FEET | POST SIZE AND LENGTH | | | | ROADSIDE SIGN (WOOD POST) | | INSTALL SIGN (SSBM) | SIGNS TO BE REMOVED IN BRIDGE DEMOLITION (N) | REMOVE ROADSIDE SIGN | REMOVE ROADSIDE SIGN (SSBM) | METAL (BARRIER MOUNTED SIGN) | REMARKS | | | | | | | | | | |
|----------------------|-------------|-------------|------------|--------------------|-----------------|----------------------|---------|---------|---------|---------------------------|----------|---------------------|--|----------------------|-----------------------------|------------------------------|---------|----------|--|--|--|--|----|----|---|-----|--------------|
| | | FEDERAL | CALIFORNIA | | | IN | 4" X 4" | 4" X 6" | 6" X 6" | 6" X 8" | ONE POST | | | | | | | TWO POST | | | | | | | | | |
| | | FT | | | | | | EA | | | | | | | | | | LB | | | | | | | | | |
| S-1 | S1-1 | R4-7c | | 24 x 30 | 7 | | | | | | | | | | | | 165 | | | | | | | | | | |
| | S1-2 | | R81 | 24 x 18 12 x 18 | 7 | | | | | | | | | | | | 260 | | | | | | | | | | |
| | S1-3 | R5-1b | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | R4-7b | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S1-4 | R4-7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | R3-3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S1-5 | R6-1 (Rt) | | G85-1 | | | | | | | | | | | | | | | | | | | | | | | |
| | | R2-1 (25) | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S1-6 | | G85-1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | S1-7 | M1-1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M3-4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S1-8 | R5-10b | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S1-9 | | R26 | | | | | | | | | | | | | | | | | | | | | | | | |
| | S1-10 | R2-1 (25) | | | 24 x 30 | 7 | | | | | | | 1 | | | | | | | | | | | | | | |
| | S1-11 | | R44C (Mod) | | 36 x 30 | 7 | | | | | | | 1 | | | | | | | | | | | | | | |
| | S1-12 | R5-1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | R5-1a | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S1-13 | I-3 | | | 18 x VAR | 7 | | | | | | | 1 | | | | | | | | | | | | | | |
| | S1-14 | W1-2 (Lt) | | | 18 x 18 | 7 | | | | | | | 1 | | | | | | | | | | | | | | |
| | S1-15 | R47 | | | 24 x 18 | 7 | | | | | | | | | | | | | | | | | | | | | |
| | S1-16 | R47 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S1-17 | D15-1 (Mod) | | | 24 x 30 | 7 | | | | | | | 1 | | 1 | | | | | | | | | | | | |
| | S1-18 | | | G92 | 48 x 30 | 7 | | | | | | | | | | | | | | | | | | | | | |
| | | | | 627-1 (80) | 24 x 24 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | M3-4 | 24 x 12 | | | | | | | | 4 | | | | | | | | | | | | | | |
| | | | | M6-2a (Lt) | 21 x 15 | | | | | | | | | | | | | | | | | | | | | | |
| | S1-19 | R4-11 | | 21 x 36 | 7 | | | | | | | 1 | | | | | | | | | | | | | | | |
| S1-20 | R5-1b | | 12 x 18 | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| S1-21 | W6-1 | | | | 7 | | | | | | | | | | | | | | | | | | | | | | |
| | R5-1b | | R81 | 12 x 18 24 x 18 | | | | | | | | 1 1 | | | | | | | | | | | | | | | |
| S1-22 | R4-7a | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | R4-7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S1-23 | W3-1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S1-24 | W4-1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S1-25 | | SR42 (Mod) | | 24 x 24 | 7 | | | | | | | 1 | | | | | | | | | | | | | | | |
| S1-26 | W4-1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | W13-1P (15) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | R5-1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | R5-1a | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | R6-1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S1-27 | W6-2 | | 30 x 30 | 7 | | | | | | | | | | | | 165 | | | | | | | | | | | |
| SUBTOTAL SQ-1 | | | | | | | | | | | | | | | | | | | | | | | 14 | 21 | 3 | 590 | WALL MOUNTED |

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

SIGN QUANTITIES
NO SCALE

| | | | | | | | | |
|--------------------------------|------|--|--|--|--|---|---|--------------------------------|
| REVISOR | DATE | DESIGNED BY: D. GALVEZ DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE _____ PLANS APPROVAL DATE _____ |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| | | | | | | | | CADD FILENAME => YBISoc001.dgn |
| | | | | | | | | CONTRACT NO. |
| | | | | | | | | |
| PROJECT DESCRIPTION | | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | | SHEET NAME: SQ-1 SHEET NO.: 109 TOTAL SHEETS: | | |
| BORDER LAST REVISED 11/15/2019 | | | | | | LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:36:18 PM | | |





X:\YB1 STRUCTURES\000_CAD\Sheets\0A-Signs\0C-Quant\11res\YBISoc001.dgn

ROADSIDE SIGN QUANTITIES SUMMARY

| SHEET No. | SIGN No. | SIGN CODE | | SIGN PANEL SIZE | "C" DIM IN FEET | POST SIZE AND LENGTH | | | | ROADSIDE SIGN (WOOD POST) | | INSTALL SIGN (SSBM) | SIGNS TO BE REMOVED IN BRIDGE DEMOLITION (N) | REMOVE ROADSIDE SIGN | REMOVE ROADSIDE SIGN (SSBM) | METAL (BARRIER MOUNTED SIGN) | REMARKS | | | | | | | | | |
|---------------|----------|------------|------------|-----------------|-----------------|----------------------|---------|---------|---------|---------------------------|----------|---------------------|--|----------------------|-----------------------------|------------------------------|------------------------|--------------|---|--|----|----|-----|-----|------|--|
| | | FEDERAL | CALIFORNIA | | | IN | 4" X 4" | 4" X 6" | 6" X 6" | 6" X 8" | ONE POST | | | | | | | TWO POST | | | | | | | | |
| | | | | | | FT | | | | EA | | | | | | | | LB | | | | | | | | |
| S-1 | S1-28 | R1-1 | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| | | R3-4 | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| | S1-29 | R2-1 (25) | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| | S1-30 | R2-1 (25) | | 24 x 30 | 7 | | | | | | | | | | | 165 | WALL MOUNTED | | | | | | | | | |
| | S1-31 | R5-1 | | 36 x 36 | 7 | | | | | | | | | | | | | WALL MOUNTED | | | | | | | | |
| | | R5-1a | | 36 x 24 | | | | | | | | | | | | | | WALL MOUNTED | | | | | | | | |
| | S1-32 | R5-10b | | 30 x 18 | 7 | | | | | | 1 | | | | | | | | | | | | | | | |
| | | R5-6 | | 24 x 24 | | | | | | | 1 | | | | | | | | | | | | | | | |
| | S1-33 | | R81 | | 24 x 18 | 7 | | | | | 1 | | | | | | | | | | | | | | | |
| | | | R81B | | 8 x 5 | | | | | | 1 | | | | | | | | | | | | | | | |
| S1-34 | W3-1 | | 36 x 36 | 7 | | | | | | | | | | | 1 | | REMOVE & REPLACE PANEL | | | | | | | | | |
| S1-35 | W3-1 | | 36 x 36 | 7 | | | | | | | | | | | 1 | | REMOVE & REPLACE PANEL | | | | | | | | | |
| S1-36 | | W1-8 | | 24 x 24 | 7 | | | | | | | | | 1 | | | | | | | | | | | | |
| | | W1-8 | | 24 x 24 | | | | | | | 1 | | | | | | | | | | | | | | | |
| | | W1-8 | | 24 x 24 | | | | | | | | 1 | | | | | | | | | | | | | | |
| | | W1-8 | | 24 x 24 | | | | | | | | 1 | | | | | | | | | | | | | | |
| S-2 | S2-1 | G27-2 (CA) | | 18 x 21 | 7 | | | | | | | | | | | | | | | | | | | | | |
| | | M3-4 | | 24 x 12 | | | 13 | | 1 | | | | | | | | | | | | | | | | | |
| | S2-2 | M5-4 | | 24 x 18 | 7 | | | | | | | | | | | | | | | | | | | | | |
| | | R4-11 | | 21 x 36 | | | | | | | 1 | | | | | | | | | | | | | | | |
| | S2-3 | R5-1b | | 12 x 18 | 7 | | | | | | 1 | | | | | | | | | | | | | | | |
| | | R2-1 (25) | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| | S2-4 | W17-1 | | | 7 | | | | | | | | | | | | | | | | | | | | | |
| | | R1-1 | | 30 x 30 | | | | | | | 1 | | | | | | | | | | | | | | | |
| | S2-5 | R5-1b | | 12 x 18 | 7 | | | | | | 1 | | | | | | | | | | | | | | | |
| | | R3-1 | | 24 x 24 | | | | | | | | | | | 1 | | | | | | | | | | | |
| S2-6 | R1-1 | C40 | 30 x 30 | 7 | | | | | | | | | | | | | | | | | | | | | | |
| S2-7 | W13-1P | | | 7 | | | | | | | | | | | | | | | | | | | | | | |
| S2-8 | | G27-2 (CA) | | 18 x 21 | 7 | | | | | | | | | | | | | | | | | | | | | |
| | | M5-6 | | 24 x 18 | | | 13 | | 1 | | | | | | | | | | | | | | | | | |
| SUBTOTAL SQ-2 | | | | | | | | | | | | | | | | | | 2 | 8 | | 8 | 6 | 425 | | | |
| SUBTOTAL SQ-1 | | | | | | | | | | | | | | | | | | | | | 14 | 21 | 3 | 590 | | |
| TOTAL | | | | | | | | | | | | | | | | | | | | | 22 | 21 | 11 | 6 | 1015 | |

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

SIGN QUANTITIES
NO SCALE





| | | | | | | | | | |
|---|---|--|--|------------------------------------|----------------------|--|---|---|-----------------------------------|
| REVISOR | DATE | DESIGNED BY: D. GALVEZ DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| PROJECT DESCRIPTION | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | REGISTERED CIVIL ENGINEER | PLANS APPROVAL DATE | | | | CADD FILENAME => YBISoc002.dgn |
| SHEET NAME: SQ-2 SHEET NO.: 110 TOTAL SHEETS: | | | | CONTRACT NO. | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | | RELATIVE BORDER SCALE IS IN INCHES | | | | | 0 1 2 3 |

X:\YBI_STRUCTURE\000_CAD_Sheets\0A-Signs\0C-Quant\11res\YBISoc002.dgn

ROADSIDE SIGN PANEL QUANTITIES SUMMARY

| SHEET No. | SIGN No. | SIGN CODE | | SIGN MESSAGE/DESCRIPTION | SIGN PANEL SIZE | PANEL AREA | BACKGROUND | | BORDER & LEGEND | | PREMIUM PROTECTIVE FILM | FURNISH SINGLE SHEET ALUMINUM SIGN | | | | RETROREFLECTIVE SHEETING (TYPE IX) | RETROREFLECTIVE SHEETING (TYPE XI) | REMARKS | |
|---------------|----------|----------------|-------------------------------------|---|-------------------------------|------------|----------------|---------------------------|-----------------|---------------------------|-------------------------|------------------------------------|--------|--------|--------|------------------------------------|------------------------------------|---------|------|
| | | FEDERAL | CALIFORNIA | | | | SHEETING COLOR | RETROREFLECTIVE ASTM TYPE | SHEETING COLOR | RETROREFLECTIVE ASTM TYPE | | UNFRAMED | | FRAMED | | | | | |
| | | | | | | | | | | | | 0.063" | 0.080" | 0.063" | 0.080" | | | | |
| | | | | | | | | | | | | | | | | | | | SQFT |
| IN | SQFT | | | | | | | | | | | | | | | | | | |
| S-1 | S1-1 | R4-7c | | KEEP RIGHT (SYMBOL) | 24 x 30 | 5.0 | WHITE | IX | BLACK | PLAIN | X | 5.0 | | | | 5.0 | | | |
| | S1-2 | | R81 | BIKE LANE | 24 x 18 | 3.0 | WHITE | IX | BLACK | PLAIN | X | 3.0 | | | | 3.0 | | | |
| | | R5-1b | | WRONG WAY (BIKE SYMBOL) | 12 x 18 | 1.5 | RED | XI | WHITE | XI | X | 1.5 | | | | | 1.5 | | |
| | S1-10 | R2-1 (25) | | SPEED LIMIT (25) | 24 x 30 | 5.0 | WHITE | IX | BLACK | PLAIN | X | 5.0 | | | | 5.0 | | | |
| | S1-11 | | R44C (Mod) | BYCICLES MUST CROSS | 36 x 30 | 7.5 | WHITE | IX | BLACK | PLAIN | X | 7.5 | | | | 7.5 | | | |
| | S1-13 | I-3 | | TUNNEL NAME | 18 x VAR | | GREEN | XI | WHITE | XI | X | | | | | | | | |
| | S1-14 | W1-2 (L+) | | CURVE ARROW SYMBOL (L+) | 18 x 18 | 2.3 | YELLOW | XI | BLACK | PLAIN | X | 2.3 | | | | 2.3 | | | |
| | S1-15 | | R47 | | 24 x 18 | 3.0 | WHITE | IX | BLACK | PLAIN | X | 3.0 | | | | 3.0 | | | |
| | S1-17 | D15-1 (Mod) | | INTERSTATE ROUTE SHIELD (80), ARROW HEAD SYMBOL | 24 x 30 | 5.0 | GREEN | XI | WHITE | XI | X | 5.0 | | 5.0 | | | 5.0 | | |
| | S1-18 | | | G92 | FREEWAY ENTRANCE | 48 x 30 | 10.0 | GREEN | XI | WHITE | XI | X | | 10.0 | | | | 10.0 | |
| | | | | G27-1 (80) | INTERSTATE ROUTE SHIELD (80) | 24 x 24 | 4.0 | RED/BLUE | XI/XI | WHITE | XI | X | 4.0 | | | | | 4.0 | |
| | | | M3-4 | | WEST | 24 x 12 | 2.0 | WHITE | IX | BLACK | PLAIN | X | 2.0 | | | | 2.0 | | |
| | | | M6-2a (L+) | | DIAGONAL ARROW AUXILIARY (L+) | 21 x 15 | 2.2 | WHITE | IX | BLACK | PLAIN | X | 2.2 | | | | 2.2 | | |
| | S1-19 | R5-1b | | WRONG WAY (BIKE SYMBOL) | 12 x 18 | 1.5 | RED | XI | WHITE | XI | X | 1.5 | | | | | 1.5 | | |
| | | R4-11 | | MAY USE FULL LANE | 21 x 36 | 5.3 | WHITE | IX | BLACK | PLAIN | X | 5.3 | | | | 5.3 | | | |
| | S1-21 | | R81 | BIKE LANE | 24 x 18 | 3.0 | WHITE | IX | BLACK | PLAIN | X | 3.0 | | | | 3.0 | | | |
| | S1-25 | | SR42 (Mod) | BUSES ONLY, DIAGONAL ARROW (R+) | 24 x 30 | 5.0 | WHITE | IX | BLACK | PLAIN | X | 5.0 | | | | 5.0 | | | |
| | S1-27 | W6-2 | | DIVIDED HIGHWAY ENDS SYMBOL | 30 x 30 | 6.3 | YELLOW | XI | BLACK | PLAIN | X | 6.3 | | | | 6.3 | | | |
| | S1-30 | R2-1 (25) | | SPEED LIMIT (25) | 24 x 30 | 5.0 | WHITE | IX | BLACK | PLAIN | X | 5.0 | | | | 5.0 | | | |
| | S1-31 | R5-1 | | DO NOT ENTER | 36 x 36 | 9.0 | WHITE | IX | RED/WHITE | XI/XI | X | 9.0 | | | | 9.0 | | | |
| | R5-1a | | WRONG WAY | 36 x 24 | 6.0 | RED | XI | WHITE | XI | X | 6.0 | | | | | 6.0 | | | |
| S1-32 | R5-10b | | PEDESTRIANS AND BICYCLES PROHIBITED | 30 x 18 | 3.8 | WHITE | IX | BLACK | PLAIN | X | 3.8 | | | | 3.8 | | | | |
| | R5-6 | | NO BICYCLES | 24 x 24 | 4.0 | WHITE | IX | BLACK/RED | PLAIN/XI | X | 4.0 | | | | 4.0 | | | | |
| S1-33 | | R81 | BIKE LANE | 24 x 18 | 3.0 | WHITE | IX | BLACK | PLAIN | X | 3.0 | | | | 3.0 | | | | |
| | | R81b | END | 8 x 5 | 0.3 | WHITE | IX | BLACK | PLAIN | X | 0.3 | | | | 0.3 | | | | |
| S-2 | S2-1 | M3-4 | | WEST | 24 x 12 | 2.0 | WHITE | IX | BLACK | PLAIN | X | 2.0 | | | | 2.0 | | | |
| | | | G27-2(80) (CA) | INTERSTATE ROUTE SHIELD (80) | 18x 21 | 2.6 | GREEN | XI | WHITE | XI | X | 2.6 | | | | | 2.6 | | |
| | | M5-4 | | LEFT LANE | 24 x 18 | 3.0 | WHITE | IX | BLACK | PLAIN | X | 3.0 | | | | 3.0 | | | |
| | S2-2 | R4-11 | | MAY USE FULL LANE | 21 x 36 | 5.3 | WHITE | IX | BLACK | PLAIN | X | 5.3 | | | | 5.3 | | | |
| | | R5-1b | | WRONG WAY (BIKE SYMBOL) | 12 x 18 | 1.5 | RED | XI | WHITE | XI | X | 1.5 | | | | | 1.5 | | |
| | S2-3 | R1-1 | | STOP | 30 x 30 | 6.3 | RED | XI | WHITE | XI | X | 6.3 | | | | 6.3 | | | |
| | | R5-1b | | WRONG WAY (BIKE SYMBOL) | 12 x 18 | 1.5 | RED | XI | WHITE | XI | X | 1.5 | | | | | 1.5 | | |
| | S2-4 | R3-1 | | NO LEFT TURN ARROW | 24 x 24 | 4.0 | WHITE | IX | BLACK/RED | PLAIN/XI | X | 4.0 | | | | 4.0 | | | |
| S2-8 | M3-2 | | EAST | 24 x 12 | 2.0 | WHITE | IX | BLACK | PLAIN | X | 2.0 | | | | 2.0 | | | | |
| | | G27-2(80) (CA) | INTERSTATE ROUTE SHIELD (80) | 18 x 21 | 2.6 | GREEN | XI | WHITE | XI | X | 2.6 | | | | | 2.6 | | | |
| | M5-6 | | RIGHT LANE | 24 x 18 | 3.0 | WHITE | IX | BLACK | PLAIN | X | 3.0 | | | | 3.0 | | | | |
| SUBTOTAL SQ-3 | | | | | | | | | | | | 126.5 | 10.0 | 5.0 | | 94.0 | 42.5 | | |

SIGN QUANTITIES
NO SCALE




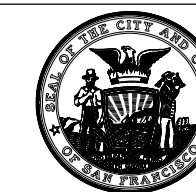

| | | | | | | | |
|---|--|------------------------------------|----------------------|--|---|---|---|
| DESIGNED BY: D. GALVEZ |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| DRAWN BY: D. GALVEZ | | | | | | | CADD FILENAME => YBISoc003.dgn |
| CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. |
| APPROVED BY: D. DICKINSON | | | | | | | SHEET NAME SHEET NO. TOTAL SHEETS |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | SQ-3 111 |
| PROJECT DESCRIPTION | | PLANS APPROVAL DATE | | | | | LAST REVISION DATE PLOTTED => 11/17/2019 |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | 0 1 2 3 | | | | 11-15-19 TIME PLOTTED => 10:36:21 PM |

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OVERHEAD SIGN PANEL QUANTITIES

| SHEET No. | SIGN No. | SIGN CODE | SIGN MESSAGE/DESCRIPTION | DIRECTION | PANEL SIZE L x D | | BACKGROUND | | LEGEND | | PROTECTIVE FILM | FURNISH LAMINATED PANEL SIGN (1"-TYPE A) | RETROREFLECTIVE SHEETING (TYPE XI) | REMOVE SIGN PANEL | REMARKS |
|--------------|----------|-----------------|--|-----------|------------------|------|----------------|---------------------------|----------------|---------------------------|-----------------|--|------------------------------------|-------------------|---------|
| | | | | | IN | SQFT | SHEETING COLOR | RETROREFLECTIVE ASTM TYPE | SHEETING COLOR | RETROREFLECTIVE ASTM TYPE | PREMIUM | | | | |
| S-3 | OS-1 | G85-11 (CA) Mod | EXIT 4A Treasure Island LEFT EXIT 2 1/2 MILE | FEBT | | | | | | | | | | 1 | |
| | OS-2 | G85-11 (CA) Mod | EXIT 4A Treasure Island LEFT EXIT 2 1/2 MILE | FEBT | 264 x 100 | 183 | GREEN | XI | WHITE | XI | X | 183 | 183 | | |
| | OS-3 | G85-11 (CA) Mod | EXIT 4A Treasure Island LEFT EXIT 1 MILE | FEBT | | | | | | | | | | 1 | |
| | OS-4 | G85-11 (CA) Mod | EXIT 4A Treasure Island LEFT EXIT 1 MILE | FEBT | 170 x 50 | 59 | GREEN | XI | WHITE | XI | X | 59 | 59 | | |
| | OS-5 | G85-11 (CA) Mod | EXIT, U-TURN, 15 MPH EXIT 4A Treasure Is LEFT EXIT 1/2 MILE | FEBT | | | | | | | | | | 1 | |
| | OS-6 | G85-11 (CA) Mod | EXIT, U-TURN, 15 MPH EXIT 4A Treasure Is LEFT EXIT 1/2 MILE | FEBT | 170 x 50 | 59 | GREEN | XI | WHITE | XI | X | 59 | 59 | | |
| | OS-7 | SPECIAL A | EXIT, U-TURN, 15 MPH | FEBT | 36 x 50 | 13 | YELLOW | XI | BLACK | XI | X | 13 | 13 | | |
| | OS-8 | G85-11 (CA) Mod | EXIT, U-TURN, 15 MPH EXIT 4A Treasure Is | FEBT | | | | | | | | | | 1 | |
| | OS-9 | G85-11 (CA) Mod | EXIT, U-TURN, 15 MPH EXIT 4A Treasure Is | FEBT | 160 x 50 | 56 | GREEN | XI | WHITE | XI | X | 56 | 56 | | |
| | OS-10 | SPECIAL A | EXIT, U-TURN, 15 MPH | FEBT | 36 x 50 | 13 | YELLOW | XI | BLACK | XI | X | 13 | 13 | | |
| TOTAL | | | | | | | | | | | | 383 | 383 | 4 | |

SIGN QUANTITIES
NO SCALE

| | | | | | | | |
|---|--------------|--|---|--|---|---|---|
| REVISOR | DATE REVISOR | DESIGNED BY: D. GALVEZ DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE PLANS APPROVAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | | | | CADD FILENAME => YBISoc004.dgn |
| PROJECT DESCRIPTION | | | | | | | CONTRACT NO. |
| BORDER LAST REVISED 11/15/2019 | | | | | | | SHEET NAME SHEET NO. TOTAL SHEETS SQ-4 112 |
| RELATIVE BORDER SCALE IS IN INCHES | | 0 1 2 3  | LAST REVISION DATE PLOTTED => 11/17/2019 11-15-19 TIME PLOTTED => 10:36:23 PM | | | | |

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EARTHWORK QUANTITIES

| SHEET No. | STATION LIMITS | ROADWAY EXCAVATION | EMBANKMENT (N) | ROADWAY EXCAVATION (TYPE Y) | REMARKS |
|--------------------------|--------------------------|--------------------|----------------|-----------------------------|---|
| | | CY | | | |
| C-1, C-2, C-3, C-4 | "L" 55+62 TO "L" 58+34 | 750 | | | Northern BSW |
| | "L" 56+68 TO "L" 58+58 | 143 | 22 | | |
| | "L" 58+58 TO "L" 62+40 | 3,480 | 4 | | |
| | "L" 62+77 TO "L" 66+30 | 274 | 625 | | Between RW6 Over EX, RW2, RW3, & UC |
| | "L" 65+93 TO "L" 68+00 | 4,230 | 3,380 | | Temporary Cut for UC (16' Flat & 1:1 Cut Slope) |
| | "L" 68+00 TO "L" 72+44 | 2,445 | 10 | | |
| | "TL" 62+25 TO "TL" 65+23 | 7,580 | | | |
| | "TL" 67+76 TO "TL" 74+62 | 1,185 | 45 | | |
| | "TL" 72+25 TO "TL" 75+20 | 800 | | | Southern BSW |
| | "TU" 68+44 TO "TU" 73+28 | 450 | 1,370 | | |
| | | | | | |
| C-5, C-6 | | | | 2,550 | |
| SUBTOTAL (EXCLUDING RW6) | | 21,337 | 5,456 | | |
| SUBTOTAL (RW6) | | 7,630 | 10,100 | | |
| TOTAL | | 28,967 | 15,556 | 2,550 | |

PAVEMENT QUANTITIES

| SHEET No. | STATION LIMITS | CONCRETE BASE | HOT MIX ASPHALT (TYPE A) | COLD PLANE AC Pvm+ |
|-----------|--------------------------|---------------|--------------------------|--------------------|
| | | CY | TON | SQFT |
| C-1 | "L" 56+68 TO "L" 58+25 | 142 | 144 | 660 |
| C-2 | "L" 58+25 TO "L" 64+25 | 827 | 924 | |
| | "TL" 62+60 TO "TL" 64+05 | 109 | 111 | |
| C-3 | "L" 64+25 TO "L" 70+50 | 707 | 717 | |
| | "TL" 64+05 TO "TL" 64+93 | 64 | 65 | |
| | "TL" 68+05 TO "TL" 70+70 | 205 | 208 | |
| C-4 | "TU" 69+73 TO "TU" 70+69 | 92 | 93 | |
| | "L" 70+50 TO "L" 72+43 | 128 | 157 | |
| | "TL" 70+70 TO "TL" 74+62 | 275 | 306 | |
| | "TU" 70+70 TO "TU" 73+28 | 114 | 152 | 600 |
| TOTAL | | 2,664 | 2,879 | 1260 |





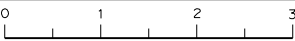
SURVEY MONUMENT

| SHEET No. | SURVEY MONUMENT (TYPE D) | NORTHING | EASTING | ELEVATION | DESCRIPTION |
|-----------|--------------------------|----------|---------|-----------|-------------|
| | EA | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| TOTAL | | | | | |

CRASH CUSHION

| SHEET No. | STATION | CRASH CUSHION (SCI-70GM) |
|-----------|-----------|--------------------------|
| | | EA |
| C-2 | "L" 62+70 | 1 |
| C-2 | "L" 63+88 | 1 |
| C-3 | "L" 69+56 | 1 |
| TOTAL | | 3 |

SUMMARY OF QUANTITIES NO SCALE

| | | | | | | | |
|--------------------------------|------|--|---|--|---|---|--------------------------------|
| REVISOR | DATE | DESIGNED BY: D. GALVEZ DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE PLANS APPROVAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| | | | | | | | CADD FILENAME => YBISpa001.dgn |
| | | | | | | | CONTRACT NO. |
| | | | | | | | |
| PROJECT DESCRIPTION | | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | | | SHEET NAME: Q-1 SHEET NO.: 113 TOTAL SHEETS: | |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES | |  | | LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:36:24 PM | |

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GUARDRAIL AND BARRIER

| SHEET No. | STATION LIMITS | 60D | 60D Mod | 60 | 60C Mod | MGS (7' WOOD POST) | TRANSITION RAILING (TYPE WB-31) | AIT5 |
|-------------------------|--------------------------|------|---------|-----|---------|-----------------------|---------------------------------------|------|
| | | LF | | | | EA | | |
| C-1 | "L" 55+00 TO "L" 57+56 | | | | | 270 | 1 | |
| | "L" 57+80 TO "L" 58+25 | | | 48 | | | | |
| C-2 | "L" 58+25 TO "L" 58+58 | | | 35 | | | | |
| | "L" 58+58 TO "L" 59+14 | | | | | | | |
| | "L" 62+76 TO "L" 63+26 | | | | 50 | | | |
| | "L" 63+94 TO "L" 63+94 | | | 19 | | | | |
| C-3 | "TL" 59+17 TO "TL" 64+06 | 485 | | | | | | |
| | "TL" 63+09 TO "TL" 64+06 | | 97 | | | | | |
| | "TL" 64+06 TO "TL" 70+82 | 662 | | | | | | |
| | "TL" 64+06 TO "TL" 67+76 | 248 | 117 | | | | | |
| | "TL" 69+09 TO "TL" 70+60 | | | | | 160 | 1 | |
| | "L" 65+46 TO "L" 70+50 | 500 | | | | | | |
| C-4 | "L" 69+62 TO "L" 70+22 | | | | 63 | | | |
| | "TU" 70+40 TO "TU" 70+69 | | 28 | | | | | |
| | "L" 70+50 TO "L" 70+87 | 39 | | | | | | |
| | "L" 70+87 TO "L" 71+17 | | | | | | | |
| | "TU" 70+70 TO "L" 73+28 | 115 | 145 | | | | | |
| | "TL" 70+85 TO "TL" 70+85 | | | | | | | 1 |
| | "TL" 70+81 TO "TL" 73+32 | 254 | | | | | | |
| "TL" 72+47 TO "L" 74+64 | 18 | | 252 | | | | | |
| | TOTAL | 2321 | 387 | 354 | 113 | 430 | 2 | 1 |

MINOR CONCRETE

| SHEET No. | STATION LIMITS | 6" CITY CURB | | CONCRETE PAD |
|-----------|--------------------------|--------------|----|--------------|
| | | LF (N) | CY | |
| C-1 | "L" 55+00 TO "L" 57+80 | 295 | 12 | |
| | "L" 56+68 TO "L" 58+25 | 156 | 6 | |
| C-2 | "L" 58+25 TO "L" 59+16 | 93 | 4 | |
| C-4 | "L" 70+86 TO "L" 72+43 | 154 | 6 | |
| | "TL" 71+70 TO "TL" 72+46 | 76 | 3 | |
| | "TL" 71+06 TO "TL" 71+36 | | | 9 |
| SUBTOTAL | | 774 | 32 | 9 |
| TOTAL | | | | 41 |

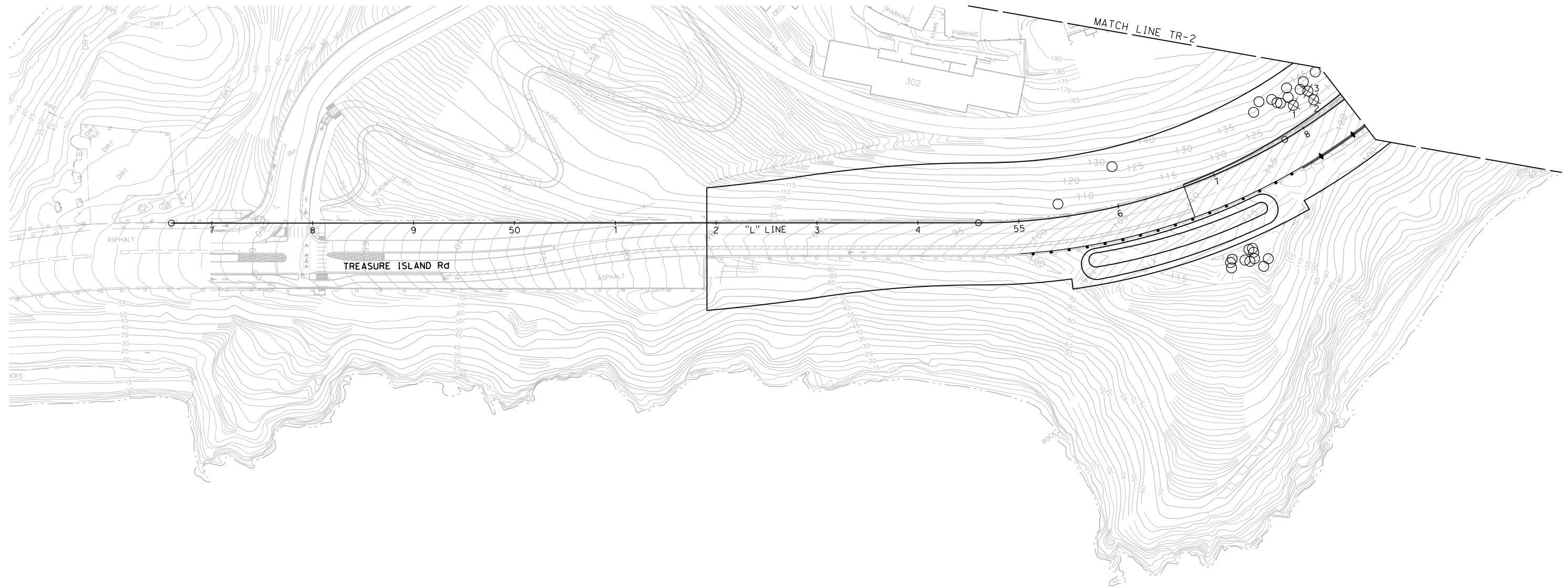
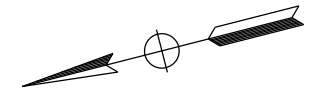
SUMMARY OF QUANTITIES
NO SCALE

| | | | | | | | | | |
|--------------------------------|------|---|--|---|------------------------------------|--|---|---|--|
| REVISOR | DATE | DESIGNED BY: S. DWYER DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| | | | | PLANS APPROVAL DATE | CADD FILENAME => YBISpa002.dgn | | | | |
| PROJECT DESCRIPTION | | | | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | CONTRACT NO. | | | | |
| BORDER LAST REVISED 11/15/2019 | | | | | RELATIVE BORDER SCALE IS IN INCHES | | | | SHEET NAME: Q-2 SHEET NO.: 114 TOTAL SHEETS: |
| | | | LAST REVISION: 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:36:26 PM | | | | | | |

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

- LEGEND:**
- EXISTING TREE TO REMAIN
 - ⊗ EXISTING TREE TO BE REMOVED
 - ## TREE ID NUMBER
 - ▭ BIOSWALE

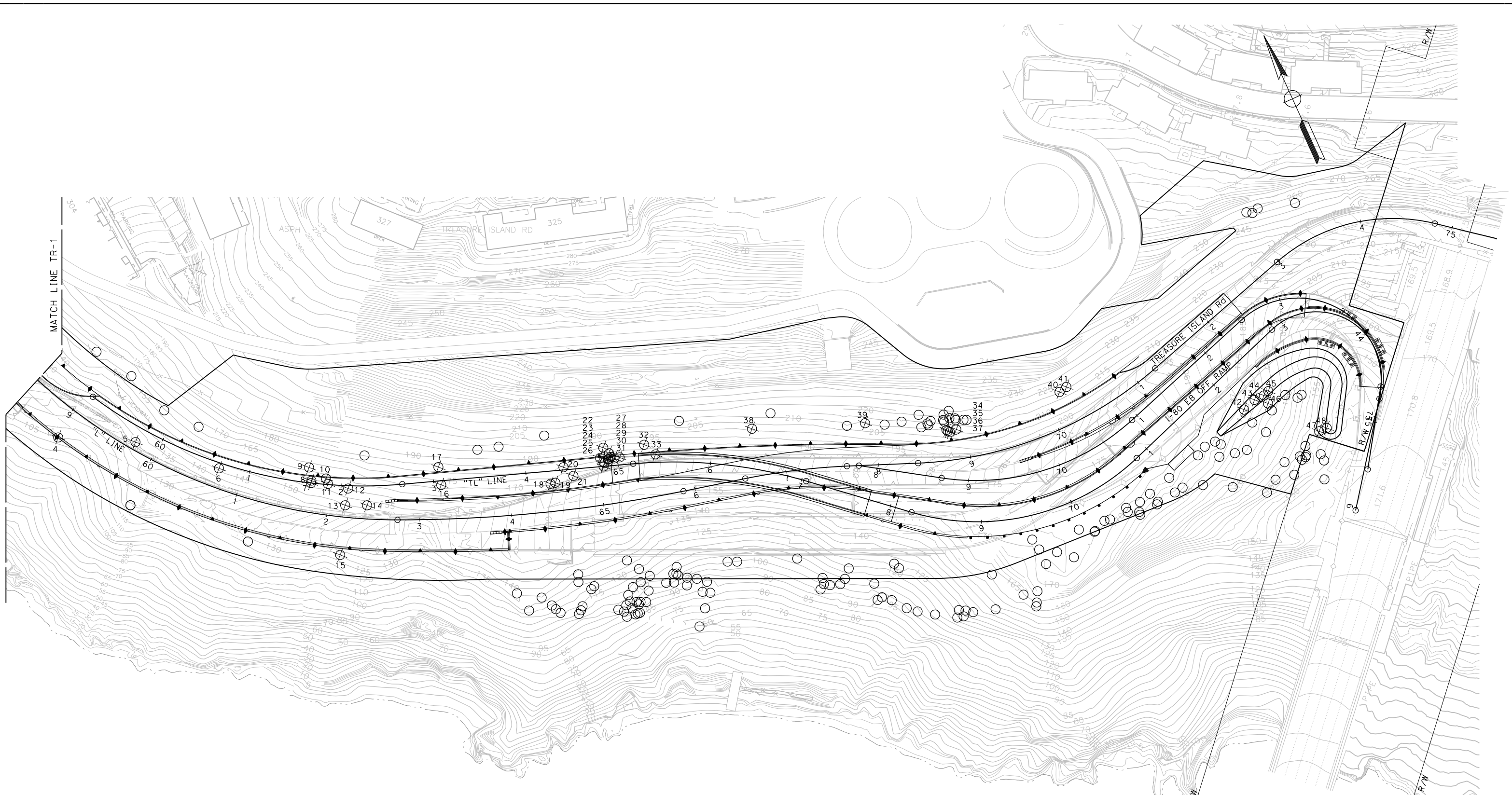


TREE REMOVAL PLAN
SCALE: 1" = 50'

| | | | | | | | | | | |
|--|------------------------------|--------------|---------------------------|---|--|--|---------------------------|---|------------|-----------|
| REVISIONS | DESIGNED BY: D. GALVEZ | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer | | |
| | DRAWN BY: D. GALVEZ | | | | | | | CADD FILENAME => YBISse001.dgn | | |
| | CHECKED BY: S. DWYER | | PLANS APPROVAL DATE | <p><i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i></p> | | | | CONTRACT NO. | | |
| | APPROVED BY: D. DICKINSON | | | | | | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>TR-1</td> <td>115</td> <td></td> </tr> </table> | SHEET NAME | SHEET NO. |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | |
| TR-1 | 115 | | | | | | | | | |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | | | | RELATIVE BORDER SCALE IS IN INCHES | | | LAST REVISION 11-15-19 | DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:36:28 PM | | |

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BORDER LAST REVISED 11/15/2019



FOR NOTES, ABBREVIATIONS,
AND LEGEND, SEE SHEET TR-1

TREE REMOVAL PLAN
SCALE: 1" = 50'

| REVISED BY | DATE REVISED | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | DESIGNED BY: D. GALVEZ | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | | USERNAME => sdwyer | | | | | | |
|--------------------------------|-----------------------------|--|------------------------------|--|------------------------------------|--|---|--|--|---|---------------|----------------------------|--------------|-----------------------------|------------|--|
| | | | DRAWN BY: D. GALVEZ | | | | | | | CADD FILENAME => YBISse002.dgn | | | | | | |
| | | | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. | | | | | | |
| | | | APPROVED BY: D. DICKINSON | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | | | <table border="1"> <tr> <th>SHEET NAME</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> <tr> <td>TR-2</td> <td>116</td> <td></td> </tr> </table> | SHEET NAME | SHEET NO. | TOTAL SHEETS | TR-2 | 116 | |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | | | |
| TR-2 | 116 | | | | | | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | | | | RELATIVE BORDER SCALE IS IN INCHES | | | | | <table border="1"> <tr> <td>LAST REVISION</td> <td>DATE PLOTTED => 11/17/2019</td> </tr> <tr> <td>11-15-19</td> <td>TIME PLOTTED => 10:36:30 PM</td> </tr> </table> | LAST REVISION | DATE PLOTTED => 11/17/2019 | 11-15-19 | TIME PLOTTED => 10:36:30 PM | | |
| LAST REVISION | DATE PLOTTED => 11/17/2019 | | | | | | | | | | | | | | | |
| 11-15-19 | TIME PLOTTED => 10:36:30 PM | | | | | | | | | | | | | | | |






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TREE REMOVAL QUANTITIES

| TREE ID | SPECIES | DIAMETER (INCHES) (N) |
|-------------------------|------------------|-----------------------|
| 1 | EUCALYPTUS | 6 |
| 2 | EUCALYPTUS/TWIN | 15,20 |
| 3 | EUCALYPTUS | 12 |
| 4 | UNKNOWN | |
| 5 | EUCALYPTUS | 55 |
| 6 | EUCALYPTUS/TWIN | 2,15 |
| 7 | EUCALYPTUS | 10 |
| 8 | EUCALYPTUS | 5 |
| 9 | UNKNOWN/TWIN | |
| 10 | UNKNOWN | 10 |
| 11 | EUCALYPTUS/MULTI | |
| 12 | EUCALYPTUS/TWIN | 14,14 |
| 13 | UNKNOWN | 18 |
| 14 | UNKNOWN/TWIN | |
| 15 | UNKNOWN | |
| 16 | EUCALYPTUS | 36 |
| 17 | UNKNOWN/MULTI | |
| 18 | UNKNOWN/MULTI | |
| 19 | UNKNOWN/MULTI | |
| 20 | EUCALYPTUS | 36 |
| 21 | EUCALYPTUS/MULTI | 30 |
| 22 | EUCALYPTUS | 15 |
| 23 | EUCALYPTUS/TWIN | 10,6 |
| 24 | EUCALYPTUS | 4 |
| 25 | EUCALYPTUS | 4 |
| 26 | EUCALYPTUS | 18 |
| 27 | EUCALYPTUS/TWIN | 24,6 |
| 28 | UNKNOWN | 6 |
| 29 | EUCALYPTUS | 24 |
| 30 | EUCALYPTUS/TWIN | 10,6 |
| 31 | EUCALYPTUS | 30 |
| 32 | EUCALYPTUS | 30 |
| 33 | EUCALYPTUS/TWIN | 32,8 |
| 34 | EUCALYPTUS | 24 |
| 35 | EUCALYPTUS | 8 |
| 36 | EUCALYPTUS/MULTI | |
| 37 | EUCALYPTUS | 36 |
| 38 | EUCALYPTUS/TWIN | 12,10 |
| 39 | EUCALYPTUS/MULTI | |
| 40 | PINE/TWIN | 15,12 |
| 41 | PINE | 36 |
| 42 | PINE | 20 |
| 43 | PINE | 18 |
| 44 | PINE | 15 |
| 45 | UNKNOWN CLUSTER | |
| 46 | PINE | 22 |
| 47 | UNKNOWN | 12 |
| 48 | UNKNOWN | 14 |
| TOTAL TREE REMOVAL = 48 | | |

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

TREE REMOVAL QUANTITIES
NO SCALE

| | | | | | | | | | | | | | |
|--|--|---|--|--|---|---|---|------------|-----------|--------------|-------------|------------|--|
| REVISED BY DATE REVISED | DESIGNED BY: D. GALVEZ DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE PLANS APPROVAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer CADD FILENAME => YBISse003.dgn CONTRACT NO. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%;">SHEET NAME</td> <td style="width:33%;">SHEET NO.</td> <td style="width:33%;">TOTAL SHEETS</td> </tr> <tr> <td align="center">TR-3</td> <td align="center">117</td> <td></td> </tr> </table> LAST REVISION 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:36:31 PM | SHEET NAME | SHEET NO. | TOTAL SHEETS | TR-3 | 117 | |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | |
| TR-3 | 117 | | | | | | | | | | | | |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION | | | | | | | | | | | | | |
| BORDER LAST REVISED 11/15/2019 | | RELATIVE BORDER SCALE IS IN INCHES  | | | | | | | | | | | |

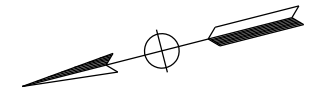
X:\YBI_STRUCTURE\000_CAD_Sheets\SE-Tree Removal\YBISse003.dgn

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. THESE PLANS PROVIDE MINIMUM LEVELS OF EROSION CONTROL FOR THE CONSTRUCTION OF PROJECT. ADJUSTMENT/MODIFICATIONS SHALL BE MADE TO ADDRESS ACTUAL SITE CONDITIONS AS DIRECTED BY THE ENGINEER.
3. EROSION CONTROL (HYDROSEED) SHALL BE APPLIED TO ALL DISTURBED AREAS AS PROVIDED IN THE SPECIAL PROVISIONS.
4. FOR DETAILS AND PAY LIMITS OF BIO-FILTRATION STRIP, BIO-FILTRATION SWALE, AND SWALE, SEE EROSION CONTROL DETAILS.

LEGEND:

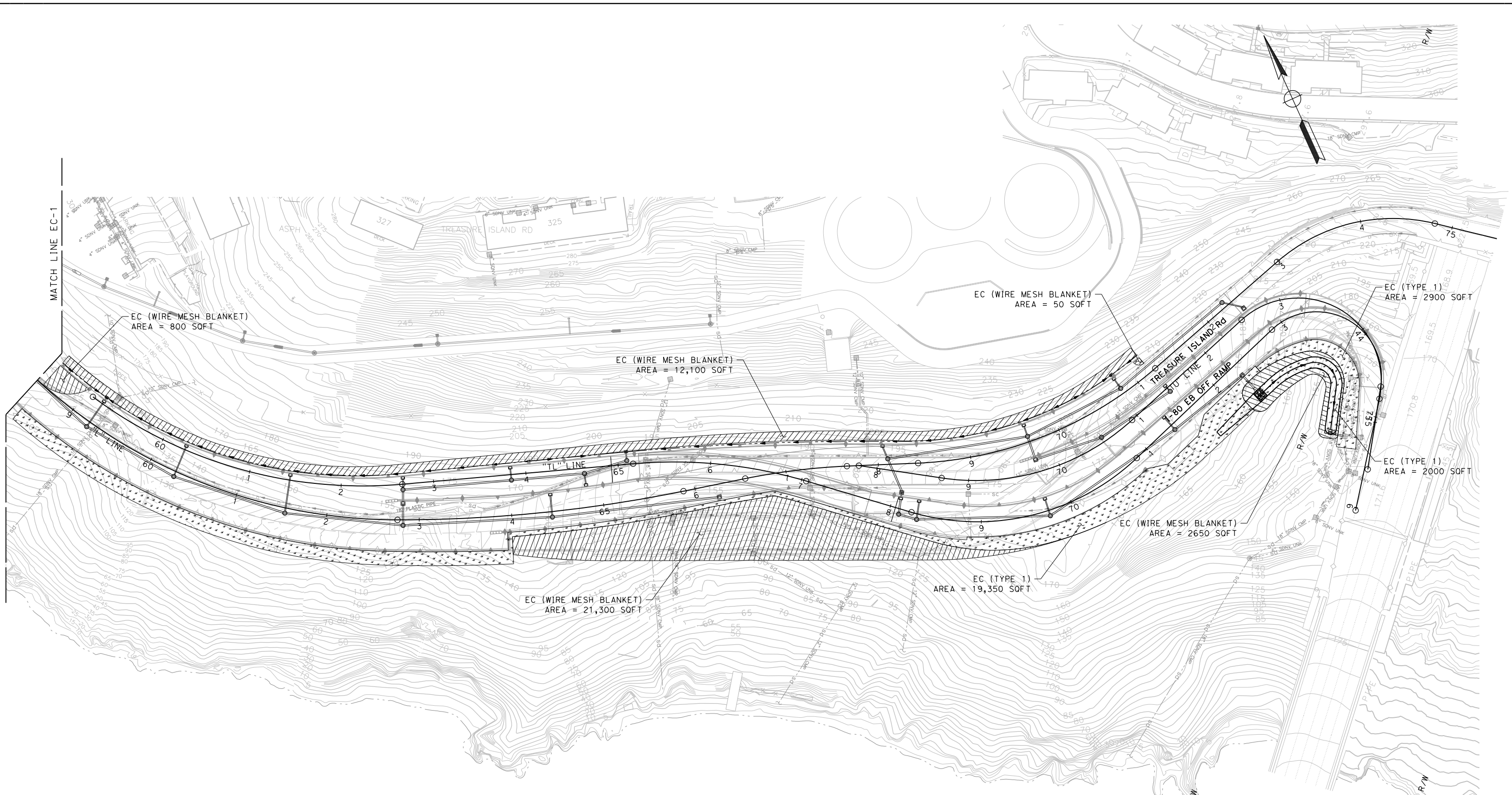
- FIBER ROLLS
- DIRECTION OF FLOW
- STORM DRAIN INLET AND PIPE SYSTEM (SEE DRAINAGE PLANS)
- EXISTING STORM DRAIN INLET AND PIPE SYSTEM (SEE DRAINAGE PLANS)
- EROSION CONTROL (TYPE 1)
- EROSION CONTROL (WIRE MESH BLANKET)



EROSION CONTROL PLAN
SCALE: 1" = 50'

| | | | | | | | | | |
|---|--------------|--|--|------------------------------------|---|---|--|--|--------------------------------|
| REVISED BY | DATE REVISED | DESIGNED BY: D. GALVEZ DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | | USERNAME => sdwyer |
| | | | | PLANS APPROVAL DATE | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | CADD FILENAME => YBIS+e001.dgn |
| YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | PROJECT DESCRIPTION | | | | | | CONTRACT NO. | |
| | | | | | | | | SHEET NAME | |
| | | | | | | | | SHEET NO. TOTAL SHEETS | |
| | | | | | | | | EC-1 118 | |
| BORDER LAST REVISED 11/15/2019 | | | | RELATIVE BORDER SCALE IS IN INCHES | | 0 1 2 3 | | LAST REVISION DATE PLOTTED => 11/17/2019 | |
| | | | | | | | | TIME PLOTTED => 10:36:33 PM | |

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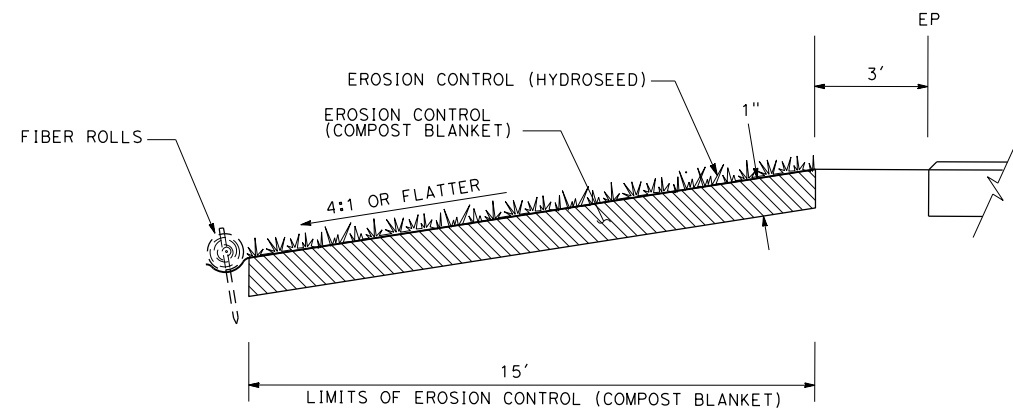
FOR NOTES, ABBREVIATIONS,
AND LEGEND, SEE SHEET EC-1

EROSION CONTROL PLAN
SCALE: 1" = 50'

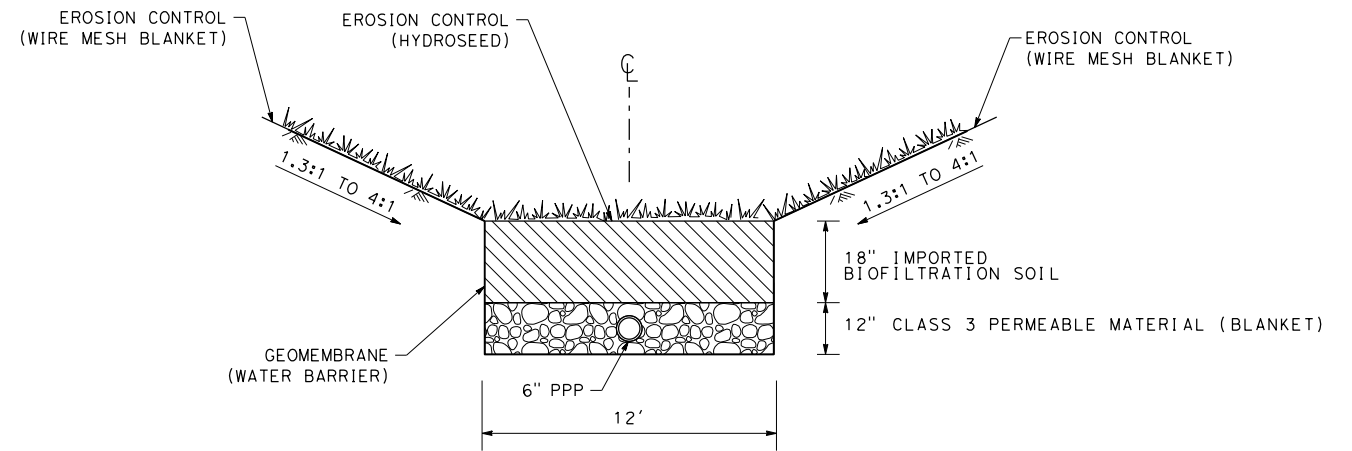
| REVISED BY | DATE REVISED | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | DESIGNED BY: D. GALVEZ | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com | | | USERNAME => sdwyer | | | | | |
|---------------------|--------------|---|------------------------------|--|---------------------------|---|---|------------|-----------|--------------------|-------------|------------|--|---------------------------|---|
| | | | CHECKED BY: S. DWYER | | PLANS APPROVAL DATE | CONTRACT NO. | | | | | | | | | |
| PROJECT DESCRIPTION | | | APPROVED BY: D. DICKINSON | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | <table border="1"> <thead> <tr> <th>SHEET NAME</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> </thead> <tbody> <tr> <td>EC-2</td> <td>119</td> <td></td> </tr> </tbody> </table> | | SHEET NAME | SHEET NO. | TOTAL SHEETS | EC-2 | 119 | | LAST REVISION 11-15-19 | DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:36:35 PM |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | | |
| EC-2 | 119 | | | | | | | | | | | | | | |

BORDER LAST REVISED 11/15/2019





SECTION
BIOFILTRATION STRIP

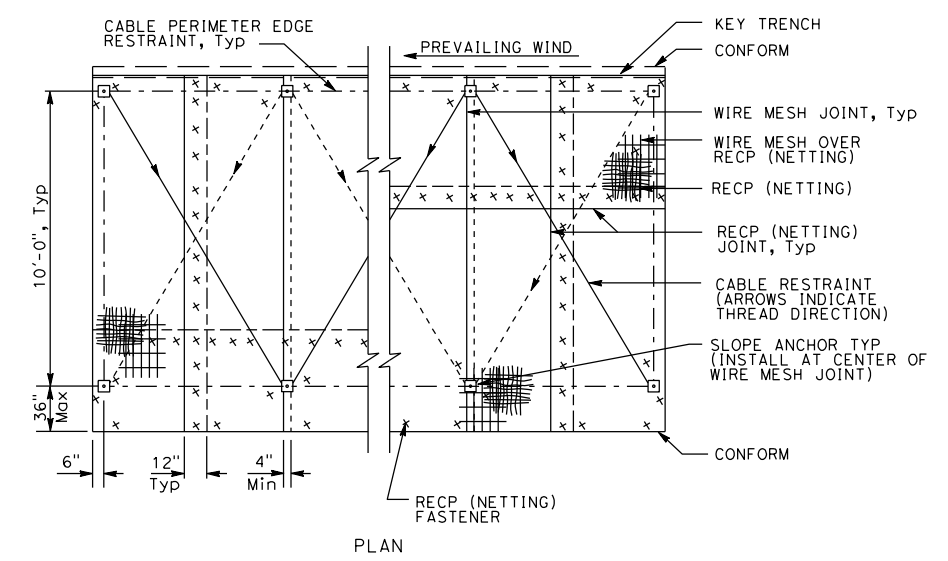


SECTION
BIOFILTRATION SWALE

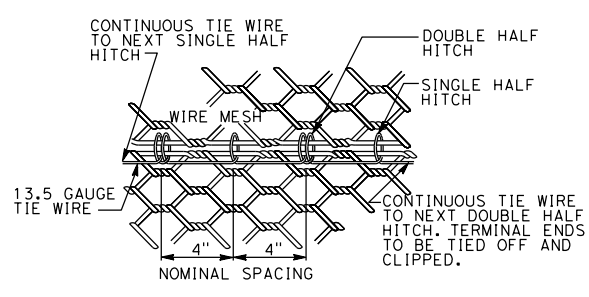
EROSION CONTROL DETAILS
NO SCALE

| | | | | | | | | | | |
|--|------------------------------|---------------------------------------|---------------------------|---|--|--|--|--|------------|-----------|
| REVISIONS | DESIGNED BY: D. GALVEZ | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | <p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p> | | | USERNAME => sdwyer | | |
| | DRAWN BY: D. GALVEZ | | | | | | | CADD FILENAME => YBIS+f001.dgn | | |
| | CHECKED BY: S. DWYER | | | | | | | CONTRACT NO. | | |
| | APPROVED BY: D. DICKINSON | | PLANS APPROVAL DATE | <p><i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i></p> | | | | <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>ECD-1</td> <td>120</td> <td></td> </tr> </table> | SHEET NAME | SHEET NO. |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | |
| ECD-1 | 120 | | | | | | | | | |
| PROJECT DESCRIPTION YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | | <p>BORDER LAST REVISED 11/15/2019</p> | | <p>RELATIVE BORDER SCALE IS IN INCHES</p> | <p>LAST REVISION 11-15-19 DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:36:37 PM</p> | | | | | |

X:\YB\STRUCTURES\000_CAD_Sheets\TE-Erosion_Control\TF-Details\YBIS+f001.dgn

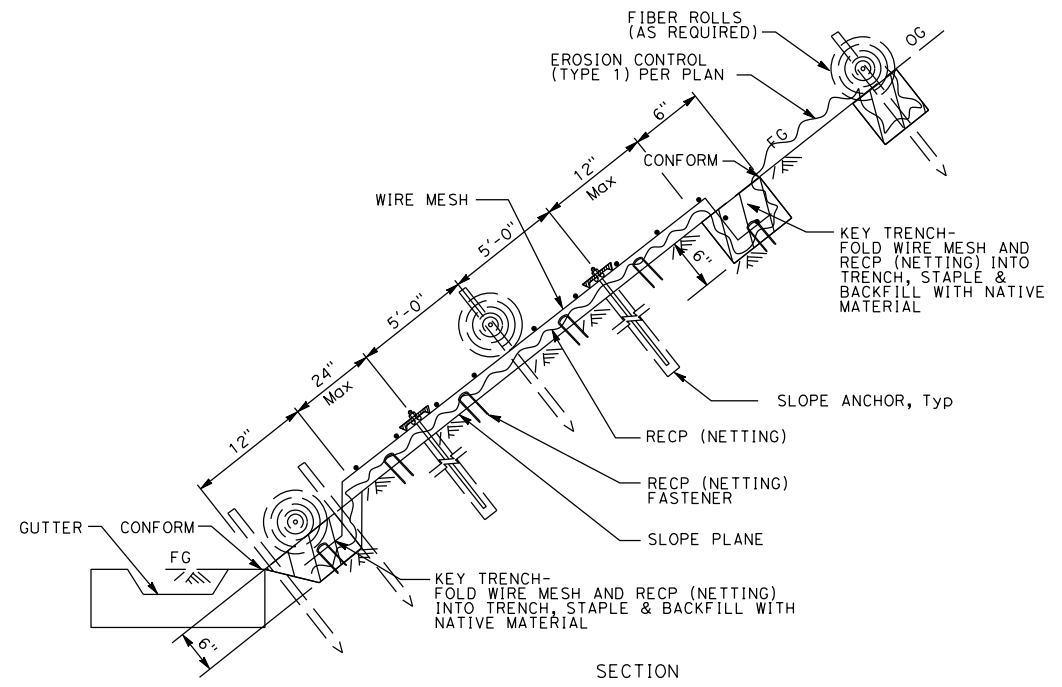


**EROSION CONTROL (WIRE MESH BLANKET)
SLOPE ANCHOR AND RESTRAINT LAYOUT**

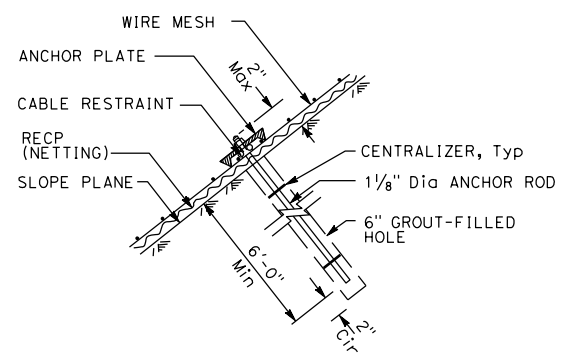


**DETAIL
TIE WIRE**
ALTERNATING SINGLE AND DOUBLE HALF
HITCHES (LOCKED LOOPS),
SEE NOTE 2

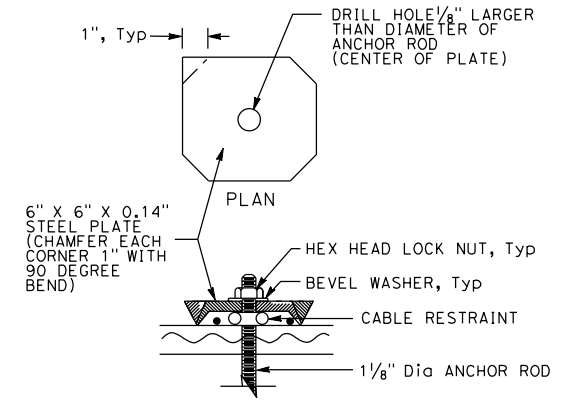
- NOTES:
1. JOINT CONNECTIONS MUST BE MADE WHERE ANY WIRE MESH EDGE MEETS ANOTHER.
 2. STANDARD TIE WIRE AND ALTERNATIVE FASTENERS MAY BE USED AS A JOINT CONNECTOR.
 3. SEE STD PLAN D100B FOR ALTERNATIVE INTERLOCKING OR OVERLAPPING FASTENERS FOR WIRE MESH JOINT CONNECTIONS.
 4. TEMPORARY FASTENERS MAY BE USED TO HOLD WIRE MESH PANELS WHEREVER JOINTS WILL BE CONSTRUCTED. TEMPORARY FASTENERS MAY REMAIN IN PLACE.
 5. SEE STD PLAN H52 (CHANGE?) RECP (NETTING) INSTALLATION.
 6. SEE STD PLAN H51 (CHANGE?) FOR RIBER ROLLS INSTALLATION.



**SECTION
EROSION CONTROL (WIRE MESH BLANKET)**







**SECTION
SLOPE ANCHOR
(ROCK INSTALLATION)**



**SECTION
ANCHOR PLATE DETAIL**

**EROSION CONTROL DETAILS
NO SCALE**

| | | | | | | | | | | | | |
|------------------------------------|--------------|---|------------------------------|--|---------------------------|----------------------|--|---|---|--------------------|-----------------------------------|--------------|
| REVISD BY | DATE REVISED | YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT | DESIGNED BY: D. GALVEZ |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer | | |
| | | | DRAWN BY: D. GALVEZ | | CIVIL | | | | | | CADD FILENAME => YBIS+f002.dgn | |
| | | | CHECKED BY: S. DWYER | | | | | | | | CONTRACT NO. | |
| | | | APPROVED BY: D. DICKINSON | | | PLANS APPROVAL DATE | | | | | | |
| PROJECT DESCRIPTION | | | | | | | | | | SHEET NAME | SHEET NO. | TOTAL SHEETS |
| BORDER LAST REVISED 11/15/2019 | | | | | | | | | | ECD-2 | 121 | |
| RELATIVE BORDER SCALE IS IN INCHES | | | | | | | | | | LAST REVISION | DATE PLOTTED => 11/17/2019 | |
| | | | | | | | | | | 11-15-19 | TIME PLOTTED => 10:36:39 PM | |

EROSION CONTROL QUANTITIES






| SHEET No. | DESCRIPTION | AREA (N) | COMPOST (CY) | ROLLED EROSION CONTROL PRODUCT (NETTING) | EROSION CONTROL (WIRE MESH BLANKET) | HYDROSEED | HYDROMULCH | FIBER ROLLS | MOVE IN/MOVE OUT (EROSION CONTROL) |
|-----------|-------------------------------------|----------|--------------|--|-------------------------------------|-----------|------------|-------------|------------------------------------|
| | | SQFT | CY | SQFT | | | LF | EA | |
| EC-1 | EROSION CONTROL (TYPE 1) | 2,250 | 21 | 2,250 | | 2,250 | 2,250 | | 2 |
| | EROSION CONTROL (WIRE MESH BLANKET) | 2,550 | 24 | | 2,550 | 2,550 | 2,550 | | |
| EC-2 | EROSION CONTROL (TYPE 1) | 24,250 | 225 | 24,250 | | 24,250 | 24,250 | 950 | |
| | EROSION CONTROL (WIRE MESH BLANKET) | 36,900 | 342 | | 36,900 | 36,900 | 36,900 | | |
| TOTAL | | 65,950 | 611 | 26,500 | 39,450 | 65,950 | 65,950 | 950 | 2 |

* HIGHWAY PLANTING WILL BE PART OF THE 90% SUBMITTAL
(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

BIOFILTRATION SWALE QUANTITIES

| LOCATION | GEOMEMBRANE (WATER BARRIER) | IMPORTED BIOFILTRATION SOIL | 6" PERFORATED PLASTIC PIPE | CLASS 3 PERMEABLE MATERIAL (BLANKET) |
|----------|-----------------------------|-----------------------------|----------------------------|--------------------------------------|
| | SQFT | CY | LF | CY |
| EC-1 | 3420 | 127 | 178 | 84 |
| EC-2 | 3240 | 120 | 160 | 80 |
| TOTAL | 6660 | 247 | 338 | 164 |

EROSION CONTROL QUANTITIES
NO SCALE

| | | | | | | | | | |
|--------------------------------|--------------|--|--|---------------------------|---------------------------------------|--|---|---|---|
| REVISOR | DATE REVISOR | DESIGNED BY: D. GALVEZ DRAWN BY: D. GALVEZ CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON |  | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE |  1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com |  |  | USERNAME => sdwyer |
| | | | | | | | | | CADD FILENAME => YBIS+g001.dgn |
| | | | | | | | | | CONTRACT NO. |
| | | | | | | | | | SHEET NAME |
| BORDER LAST REVISED 11/15/2019 | | PROJECT DESCRIPTION | | PLANS APPROVAL DATE | RELATIVE BORDER SCALE IS IN INCHES |  | | | ECQ-1 122 |
| | | | | | | | | | LAST REVISION 11-15-19 |
| | | | | | | | | | DATE PLOTTED => 11/17/2019 TIME PLOTTED => 10:36:40 PM |

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GENERAL NOTES:

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE LATEST CITY/COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (SFPDW) STANDARD PLANS AND SPECIFICATION, THE 2018 STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION AND PLANS, AND THE SPECIAL PROVISION.
2. FOR LEGEND OF SYMBOLS AND ABBREVIATIONS, SEE CALTRANS Std PLAN ES-1A, ES-1B, AND ES-1C.
3. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL EXISTING UNDERGROUND UTILITIES, WHETHER OR NOT THEY ARE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL CONTACT USA (800-227-2600) AT LEAST 40 HOURS BEFORE BEGINNING WORK. WHERE MARKINGS ARE NEAR PROPOSED FOUNDATIONS, THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES BY POT HOLING PRIOR TO EXCAVATING.
4. EXISTING IMPROVEMENTS, INCLUDING SUBSTRUCTURES, THAT ARE DAMAGED BY THE CONTRACTOR, WHICH ARE NOT DESIGNATED BY THE PLANS OR SPECIFICATIONS TO BE DISTURBED, SHALL BE RESTORED AND REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
5. SIGNAL STANDARDS, CABINETS AND PULL BOXES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ONLY. FINAL LOCATIONS MAY NEED TO BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL GIVE 48 HOURS NOTICE TO THE ENGINEER FOR VERIFICATION OF EQUIPMENT LOCATIONS.

6. ALL NEW PULL BOXES SHALL BE No. 5, UNLESS OTHERWISE NOTED ON THE PLANS. PULL BOXES SHALL NOT BE LOCATED IN CURB RAMP.
7. THE CONTRACTOR SHALL CONTACT THE CITY ENGINEER'S OFFICE FOR APPROVAL 5 DAYS PRIOR TO ANTICIPATED ENERGIZING OF THE SIGNAL EQUIPMENT.
8. THE CONDUCTOR SCHEDULE IS FURNISHED AS AN INSTALLATION GUIDELINE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.
9. ALL VEHICLE SIGNAL HOUSING AND BLACKPLATE SHALL BE POLYCARBONATE.
10. FOR ACCURATE RIGHT OF WAY DATA, CONTACT SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY.
11. TYPE IV PEU SHALL BE INSTALLED ON ALL LUMINAIRES.

PROJECT NOTES (FOR THIS SHEET ONLY):

- 1 COORDINATE WITH SFPUC FOR SERVICE CONNECTION.
- 2 CONDUIT TO BE INSTALLED IN JOINT TRENCH.
- 3 Exist CONDUIT AND CONDUCTORS TO REMAIN.
- 4 2"C, 3#6 (120 V, Ckt 1 AND 2), 3#6 (120 V, Ckt 3 AND 4), 1#8 (GROUND).
- 5 2"C, 2#6 (120 V, Ckt 4), 1#8 (GROUND).

LEGEND:

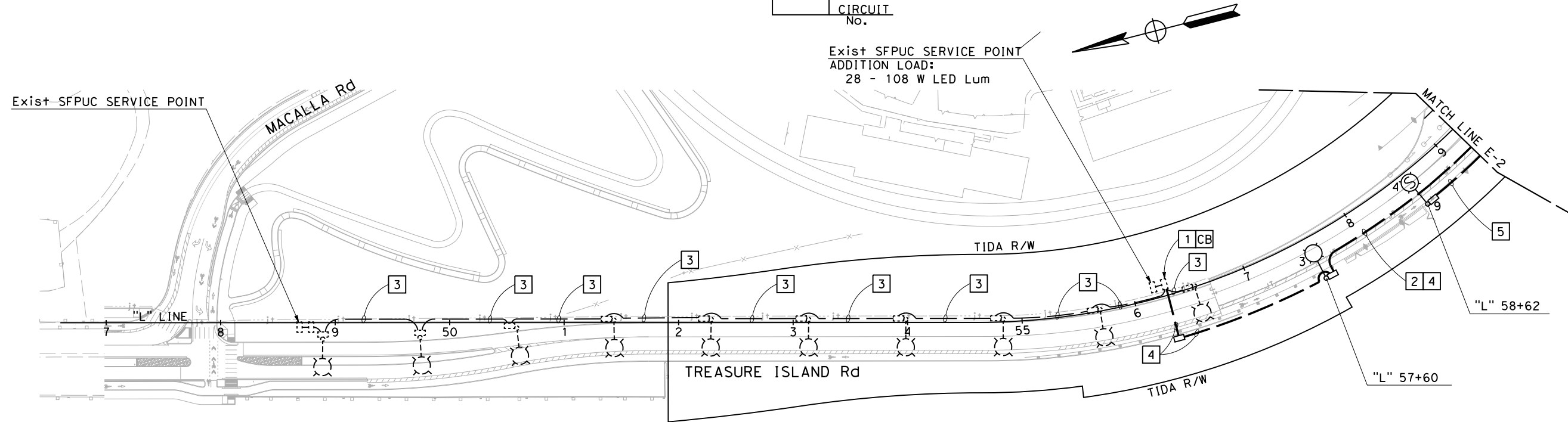
- CIRCUIT No. A1: INSTALL SCHREDER GL2 COMPACT LED Lum (MODEL No. GL2C5-96L-202W-700mA-5136-NW-336392-SV-GY-D01) OR APPROVED EQUAL ON DAY-TIME CIRCUIT. SEE WIRING DIAGRAM ON SHEET E-9 AND SEE MOUNTING DETAILS ON SHEET E-10.
- CIRCUIT No. A1: INSTALL SCHREDER GL2 COMPACT LED Lum (MODEL No. GL2C5-96L-202W-700mA-5136-NW-336392-SV-GY-D01) OR APPROVED EQUAL ON NIGHT-TIME AND EMERGENCY CIRCUIT. SEE WIRING DIAGRAM ON SHEET E-9 AND SEE MOUNTING DETAILS ON SHEET E-10.
- NEMA TYPE 4 METAL JUNCTION BOX (6" X 6" X 6").
- Exist STREET LIGHT WITH Exist LED Lum
- Exist STRUCTURE-MOUNTED LED STREET LIGHT
- Exist TYPE 21 Std WITH Exist LED Lum
- FURNISH AND INSTALL TYPE 15 Std LIGHTING POLE WITH 12' LMA AND LED Lum (MODEL No. RFM-108W48LED3K-G2-R3M-UNV-DMG-API2011-HS-RCD7-GY3) OR APPROVED EQUAL
- FURNISH AND INSTALL TYPE 15 STRUCTURE LIGHTING POLE WITH 12' LMA AND LED Lum (MODEL No. RFM-108W48LED3K-G2-R3M-UNV-DMG-API2011-HS-RCD7-GY3) OR APPROVED EQUAL
- FURNISH AND INSTALL TYPE 15D STRUCTURE LIGHTING POLE WITH 12' LMA AND DUAL LED Lum (MODEL No. RFM-108W48LED3K-G2-R3M-UNV-DMG-API2011-HS-RCD7-GY3) OR APPROVED EQUAL

STANDARD NOTES:

- AB** ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS
- BC** INSTALL PULL BOX IN EXISTING CONDUIT RUN
- CB** INSTALL CONDUIT INTO EXISTING PULL BOX
- RC** EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR
- RS** REMOVE AND SALVAGE EQUIPMENT
- R** CONDUIT RISER ATTACHED TO THE STRUCTURE
- r** EXISTING CONDUIT RISER ATTACHED TO THE STRUCTURE
- SC** SPLICE NEW TO EXISTING CONDUCTORS

ABBREVIATIONS:

- LED LIGHT-EMITTING DIODE
- LMA LUMINAIRE MAST ARM
- PG&E PACIFIC GAS AND ELECTRIC COMPANY
- SFPDW SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS
- SFPUC SAN FRANCISCO PUBLIC UTILITIES COMMISSION
- EN1 EMERGENCY AND NIGHT-TIME LIGHTING CIRCUIT



APPROVED FOR ELECTRICAL WORK ONLY

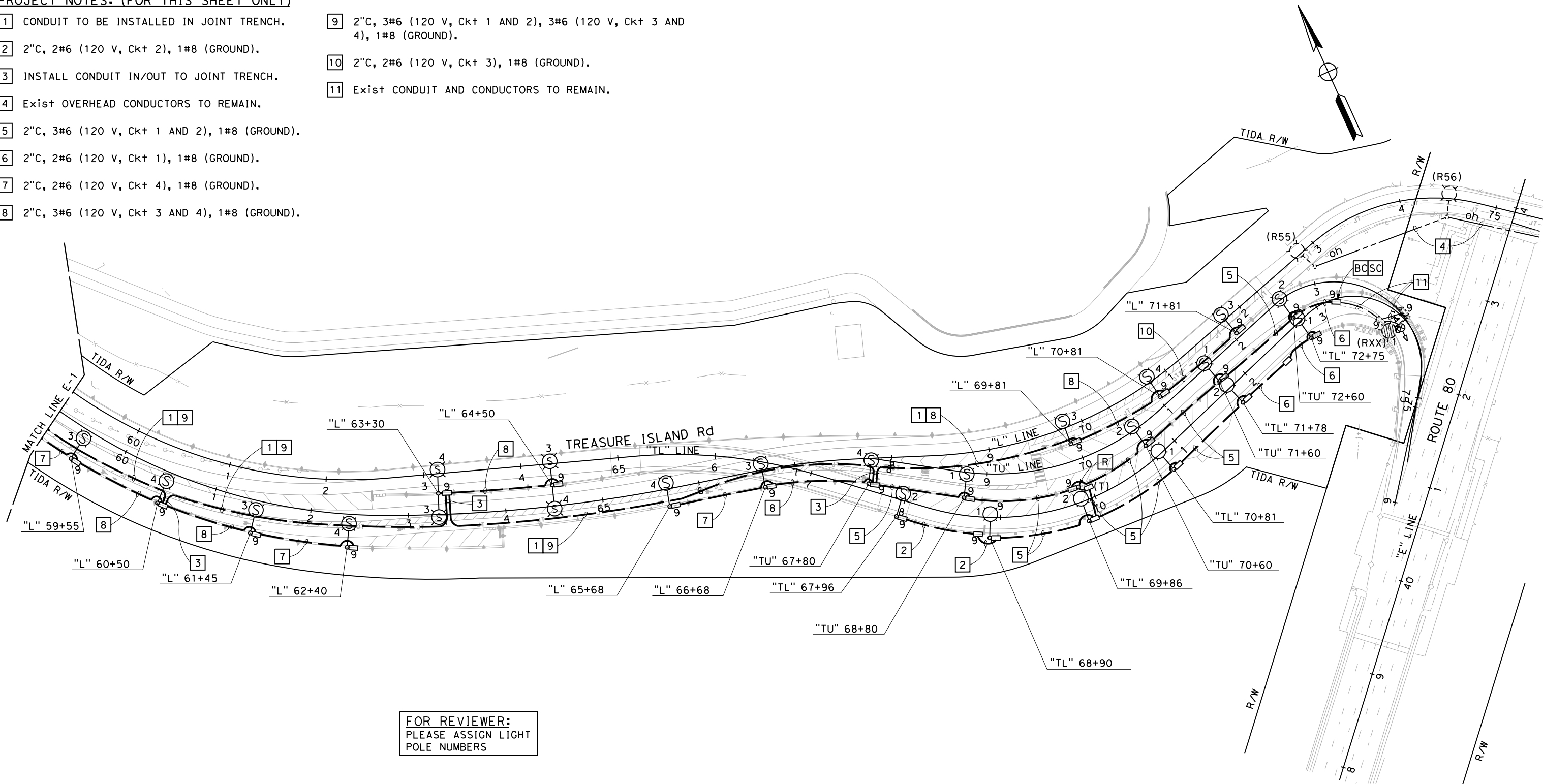
LIGHTING (CITY STREET)

SCALE: 1" = 50'

| | | | | | | | | | | | | |
|-------------------------------|--------------|---|--------------------------------|--|---|------------------------------------|---|--|--|--------------------|------------------------|--------------|
| REVISED BY | DATE REVISED | YERBA BUENA ISLAND WEST-SIDE BRIDGE STRUCTURES PROJECT RAMP WEAVE ALTERNATIVE PROJECT DESCRIPTION | DESIGNED BY: K. CHAN | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | Y&C TRANSPORTATION CONSULTANTS, INC. 3250 RAMOS CIRCLE SACRAMENTO, CA 95827 (916) 366-8000 FAX: (916) 366-8008 | | | USERNAME => \$USER | | |
| | | | DRAWN BY: M. YANG | | PLANS APPROVAL DATE | 3250 RAMOS CIRCLE | | | | CADD FILENAME => | | |
| | | | CHECKED BY: D. YAU | | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | SACRAMENTO, CA 95827 | | | | \$REQUEST | | |
| | | | APPROVED BY: | | | (916) 366-8000 FAX: (916) 366-8008 | | | | CONTRACT NO. | | |
| | | | | | | | | | | SHEET NAME | SHEET NO. | TOTAL SHEETS |
| | | | | | | | | | | E-1 | XX | XX |
| BORDER LAST REVISED 1/20/2019 | | | | | | | | | | LAST REVISION | DATE PLOTTED => \$DATE | |
| | | | | | | | | | | 11-15-19 | TIME PLOTTED => \$TIME | |

PROJECT NOTES: (FOR THIS SHEET ONLY)

- 1** CONDUIT TO BE INSTALLED IN JOINT TRENCH.
- 2** 2"C, 2#6 (120 V, Ckt 2), 1#8 (GROUND).
- 3** INSTALL CONDUIT IN/OUT TO JOINT TRENCH.
- 4** Exist OVERHEAD CONDUCTORS TO REMAIN.
- 5** 2"C, 3#6 (120 V, Ckt 1 AND 2), 1#8 (GROUND).
- 6** 2"C, 2#6 (120 V, Ckt 1), 1#8 (GROUND).
- 7** 2"C, 2#6 (120 V, Ckt 4), 1#8 (GROUND).
- 8** 2"C, 3#6 (120 V, Ckt 3 AND 4), 1#8 (GROUND).
- 9** 2"C, 3#6 (120 V, Ckt 1 AND 2), 3#6 (120 V, Ckt 3 AND 4), 1#8 (GROUND).
- 10** 2"C, 2#6 (120 V, Ckt 3), 1#8 (GROUND).
- 11** Exist CONDUIT AND CONDUCTORS TO REMAIN.



FOR REVIEWER:
PLEASE ASSIGN LIGHT
POLE NUMBERS

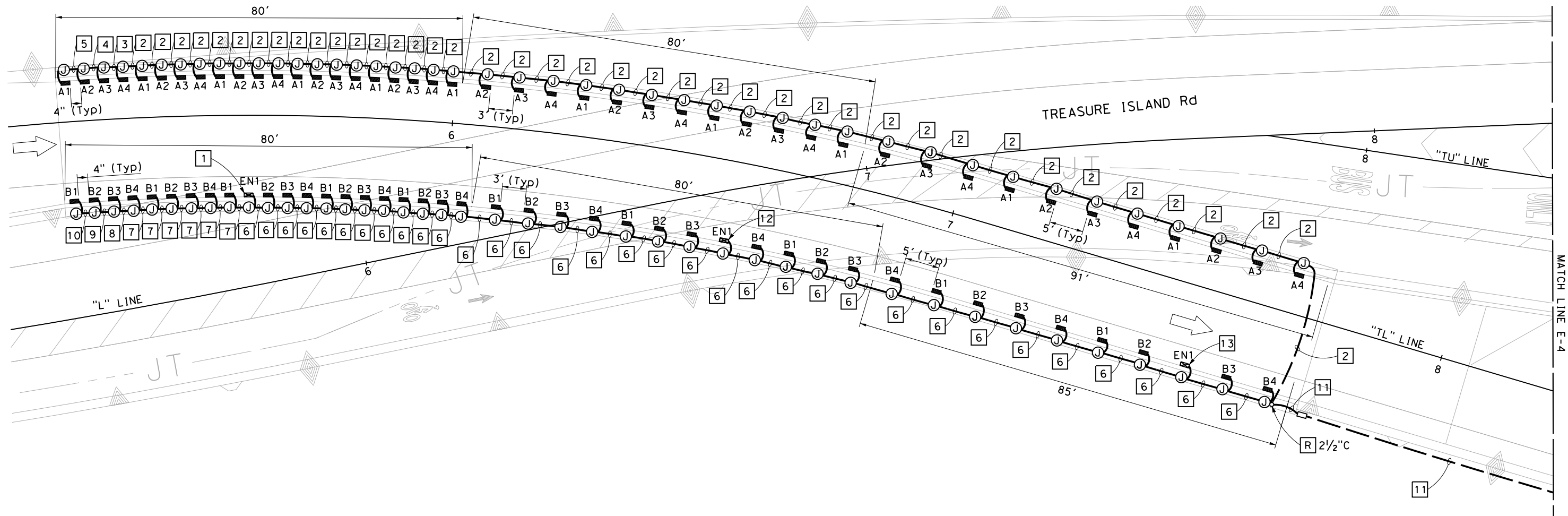
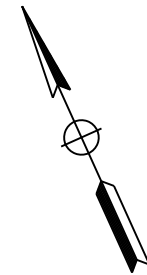
FOR GENERAL NOTES, ABBREVIATIONS
AND LEGEND, SEE SHEET E-1

LIGHTING (CITY STREET)
SCALE: 1" = 50'

| | | | | | | | | | | | |
|-------------------------------|---------------------|--|--------------------------------|--|--|-----------------------------|--|------------|-----------|----------------------------------|------------------|
| REVISED BY | DATE REVISED | YERBA BUENA ISLAND WEST-SIDE BRIDGE STRUCTURES PROJECT RAMP WEAVE ALTERNATIVE | DESIGNED BY: K. CHAN | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | | | | USERNAME => \$USER | |
| | | | DRAWN BY: M. YANG | | PLANS APPROVAL DATE | CONTRACT NO. | | | | | |
| | | | CHECKED BY: D. YAU | | <small>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small> | | | | | SHEET NAME | SHEET NO. |
| | | PROJECT DESCRIPTION | APPROVED BY: | | | | | | | DATE PLOTTED => \$DATE | |
| BORDER LAST REVISED 1/20/2019 | | | | | <small>RELATIVE BORDER SCALE IS IN INCHES</small> | | | | | TIME PLOTTED => \$TIME | |
| | | | | | | | | E-2 | XX | XX | |

PROJECT NOTES: (FOR THIS SHEET ONLY)

- 1 INSTALL NIGHT-TIME AND EMERGENCY CIRCUIT LED 34.3' FROM TUNNEL ENTRANCE. (THE TENTH LIGHT FROM THE ENTRANCE).
- 2 2"C, 8#8 (240 V TUNNEL Ltg Ckt A1, A2, A3 AND A4), 1#8 (GROUND).
- 3 2"C, 6#8 (240 V TUNNEL Ltg Ckt A1, A2 AND A3), 1#8 (GROUND).
- 4 2"C, 4#8 (240 V TUNNEL Ltg Ckt A1 AND A2), 1#8 (GROUND).
- 5 2"C, 2#8 (240 V TUNNEL Ltg Ckt A1), 1#8 (GROUND).
- 6 2"C, 10#8 (240 V TUNNEL Ltg Ckt B1, B2, B3, B4 AND EN1), 1#8 (GROUND).
- 7 2"C, 8#8 (240 V TUNNEL Ltg Ckt B1, B2, B3, AND B4), 1#8 (GROUND).
- 8 2"C, 6#8 (240 V TUNNEL Ltg Ckt B1, B2, AND B3), 1#8 (GROUND).
- 9 2"C, 4#8 (240 V TUNNEL Ltg Ckt B1 AND B2), 1#8 (GROUND).
- 10 2"C, 2#8 (240 V TUNNEL Ltg Ckt B1), 1#8 (GROUND).
- 11 2½"C, 18#8 (240 V TUNNEL LIGHTING Ckt A1, A2, A3, A4, B1, B2, B3, B4 AND EN1), 1#8 (GROUND).
- 12 INSTALL NIGHT-TIME AND EMERGENCY CIRCUIT LED 130.1' FROM TUNNEL ENTRANCE.
- 13 INSTALL NIGHT-TIME AND EMERGENCY CIRCUIT LED 230.2' FROM TUNNEL ENTRANCE.



FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET E-1

TUNNEL LIGHTING (CITY STREET)
SCALE: 1" = 10'

APPROVED FOR ELECTRICAL WORK ONLY

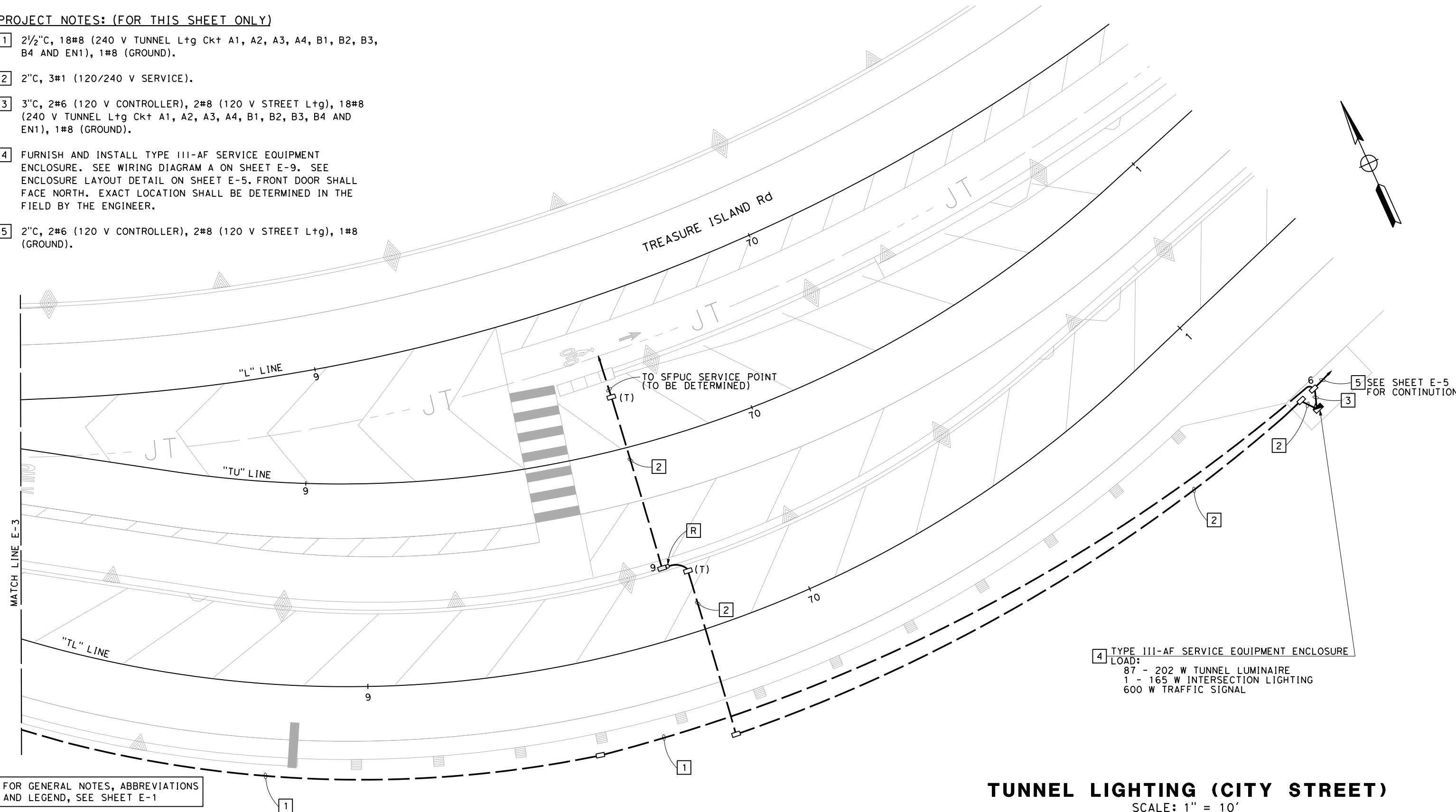
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|-------------------------------|--------------|---|-------------------------|--|---------------------------|----------------------|--|--|--|--------------------|------------------------|--------------|
| REVISED BY | DATE REVISED | YERBA BUENA ISLAND WEST-SIDE BRIDGE STRUCTURES PROJECT RAMP WEAVE ALTERNATIVE PROJECT DESCRIPTION | DESIGNED BY: K. CHAN | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | | | | USERNAME => \$USER | | |
| | | | DRAWN BY: M. YANG | | | | | | | CADD FILENAME => | | |
| | | | CHECKED BY: D. YAU | | | | | | | \$REQUEST | | |
| | | | APPROVED BY: | | | | | | | CONTRACT NO. | | |
| | | | | | | | | | | SHEET NAME | SHEET NO. | TOTAL SHEETS |
| | | | | | | | | | | E-3 | XX | XX |
| BORDER LAST REVISED 1/20/2019 | | | | | | | | | | LAST REVISION | DATE PLOTTED => \$DATE | |
| | | | | | | | | | | 11-15-19 | TIME PLOTTED => \$TIME | |

WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



PROJECT NOTES: (FOR THIS SHEET ONLY)

- 1 2½"C, 18#8 (240 V TUNNEL Ltg Ckt A1, A2, A3, A4, B1, B2, B3, B4 AND EN1), 1#8 (GROUND).
- 2 2"C, 3#1 (120/240 V SERVICE).
- 3 3"C, 2#6 (120 V CONTROLLER), 2#8 (120 V STREET Ltg), 18#8 (240 V TUNNEL Ltg Ckt A1, A2, A3, A4, B1, B2, B3, B4 AND EN1), 1#8 (GROUND).
- 4 FURNISH AND INSTALL TYPE III-AF SERVICE EQUIPMENT ENCLOSURE. SEE WIRING DIAGRAM A ON SHEET E-9. SEE ENCLOSURE LAYOUT DETAIL ON SHEET E-5. FRONT DOOR SHALL FACE NORTH. EXACT LOCATION SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 5 2"C, 2#6 (120 V CONTROLLER), 2#8 (120 V STREET Ltg), 1#8 (GROUND).

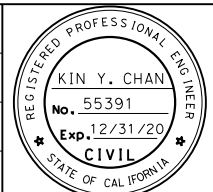






4 TYPE III-AF SERVICE EQUIPMENT ENCLOSURE
 LOAD:
 87 - 202 W TUNNEL LUMINAIRE
 1 - 165 W INTERSECTION LIGHTING
 600 W TRAFFIC SIGNAL

FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET E-1

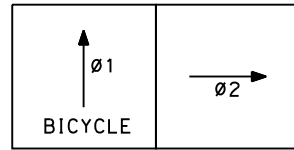
TUNNEL LIGHTING (CITY STREET)
 SCALE: 1" = 10'

APPROVED FOR ELECTRICAL WORK ONLY

| | | | | | | | | |
|--|---|---|--|--|---|---|---|--|
| REVISED BY DATE REVISED PROJECT DESCRIPTION YERBA BUENA ISLAND WEST-SIDE BRIDGE STRUCTURES RAMP WEAVE ALTERNATIVE | DESIGNED BY: K. CHAN DRAWN BY: M. YANG CHECKED BY: D. YAU APPROVED BY: |  | REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE PLANS APPROVAL DATE |  Y&C TRANSPORTATION CONSULTANTS, INC. 3250 RAMOS CIRCLE SACRAMENTO, CA 95827 (916) 366-8000 FAX: (916) 366-8008 |  |  | USERNAME => \$USER CADD FILENAME => \$REQUEST CONTRACT NO. SHEET NAME E-4 SHEET NO. XX TOTAL SHEETS XX LAST REVISION 11-15-19 DATE PLOTTED => \$DATE TIME PLOTTED => \$TIME | |
| BORDER LAST REVISED 1/20/2019 | | RELATIVE BORDER SCALE IS IN INCHES  | | | | | | |

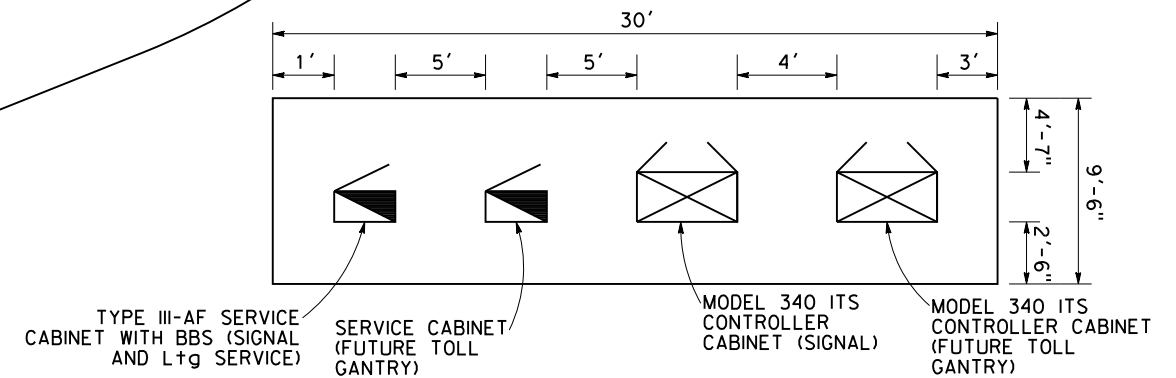
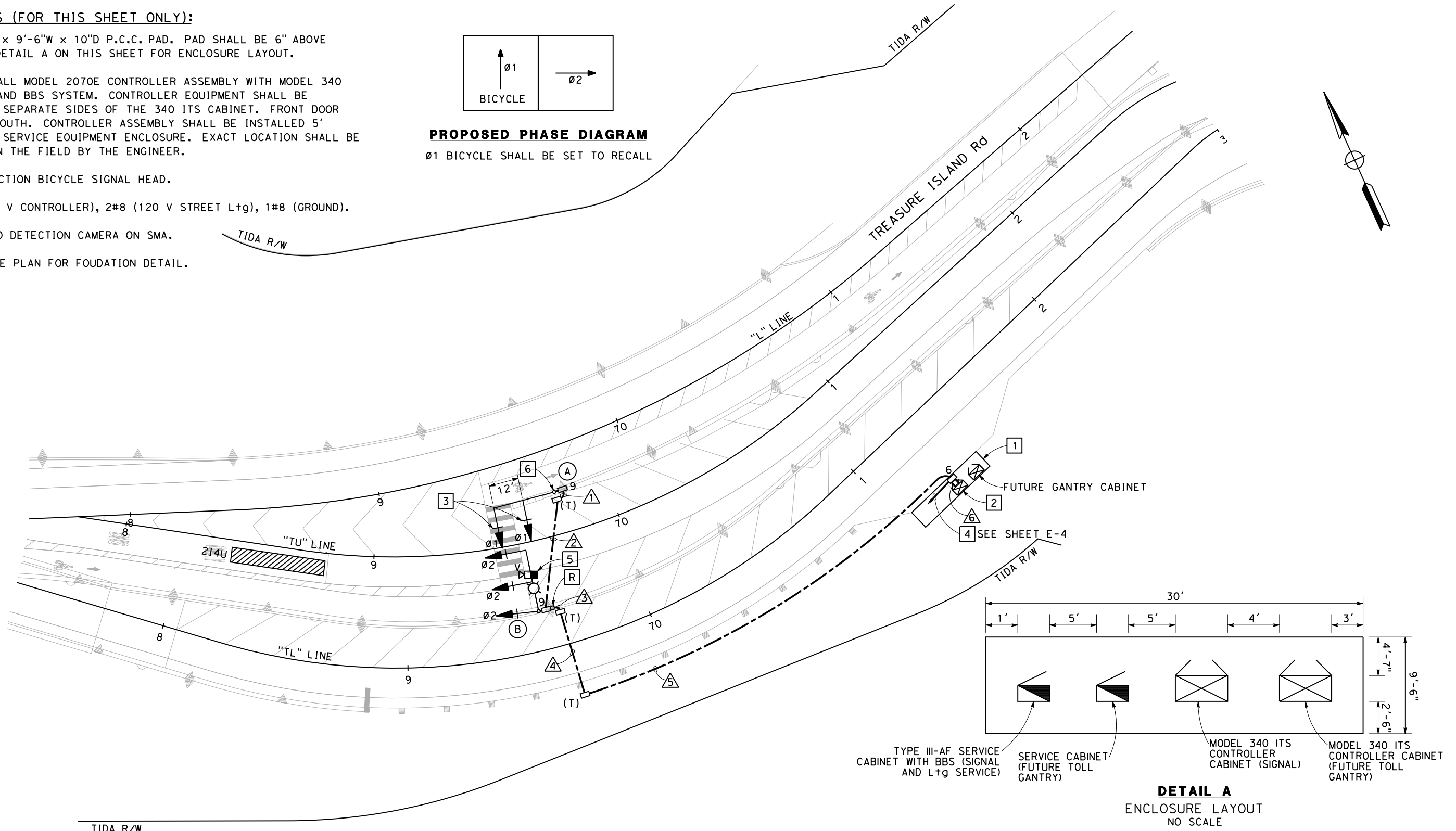
PROJECT NOTES (FOR THIS SHEET ONLY):

- 1 INSTALL 30'L x 9'-6"W x 10"D P.C.C. PAD. PAD SHALL BE 6" ABOVE GRADE. SEE DETAIL A ON THIS SHEET FOR ENCLOSURE LAYOUT.
- 2 FURNISH INSTALL MODEL 2070E CONTROLLER ASSEMBLY WITH MODEL 340 ITS CABINET AND BBS SYSTEM. CONTROLLER EQUIPMENT SHALL BE INSTALLED IN SEPARATE SIDES OF THE 340 ITS CABINET. FRONT DOOR SHALL FACE SOUTH. CONTROLLER ASSEMBLY SHALL BE INSTALLED 5' MINIMUM FROM SERVICE EQUIPMENT ENCLOSURE. EXACT LOCATION SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 3 INSTALL 3-SECTION BICYCLE SIGNAL HEAD.
- 4 2"C, 2#6 (120 V CONTROLLER), 2#8 (120 V STREET Ltg), 1#8 (GROUND).
- 5 INSTALL VIDEO DETECTION CAMERA ON SMA.
- 6 SEE STRUCTURE PLAN FOR FOUNDATION DETAIL.



PROPOSED PHASE DIAGRAM

Ø1 BICYCLE SHALL BE SET TO RECALL



DETAIL A
ENCLOSURE LAYOUT
NO SCALE

FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET E-1

APPROVED FOR ELECTRICAL WORK ONLY

SIGNAL AND LIGHTING (CITY STREET)

SCALE: 1" = 20'


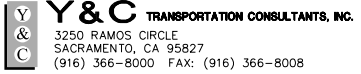



| | | | | | | | | | | | | |
|-------------------------------|--------------|---|-------------------------|--|---------------------------|---|--|--|--|--------------------|------------------------|--------------|
| REVISED BY | DATE REVISED | YERBA BUENA ISLAND WEST-SIDE BRIDGE STRUCTURES PROJECT RAMP WEAVE ALTERNATIVE PROJECT DESCRIPTION | DESIGNED BY: K. CHAN | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | | | | USERNAME => \$USER | | |
| | | | DRAWN BY: M. YANG | | PLANS APPROVAL DATE | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | CADD FILENAME => | | |
| | | | CHECKED BY: D. YAU | | | | | | | \$REQUEST | | |
| | | | APPROVED BY: | | | | | | | CONTRACT NO. | | |
| | | | | | | | | | | SHEET NAME | SHEET NO. | TOTAL SHEETS |
| | | | | | | | | | | E-5 | XX | XX |
| BORDER LAST REVISED 1/20/2019 | | | | | | | | | | LAST REVISION | DATE PLOTTED => \$DATE | |
| | | | | | | | | | | 11-15-19 | TIME PLOTTED => \$TIME | |

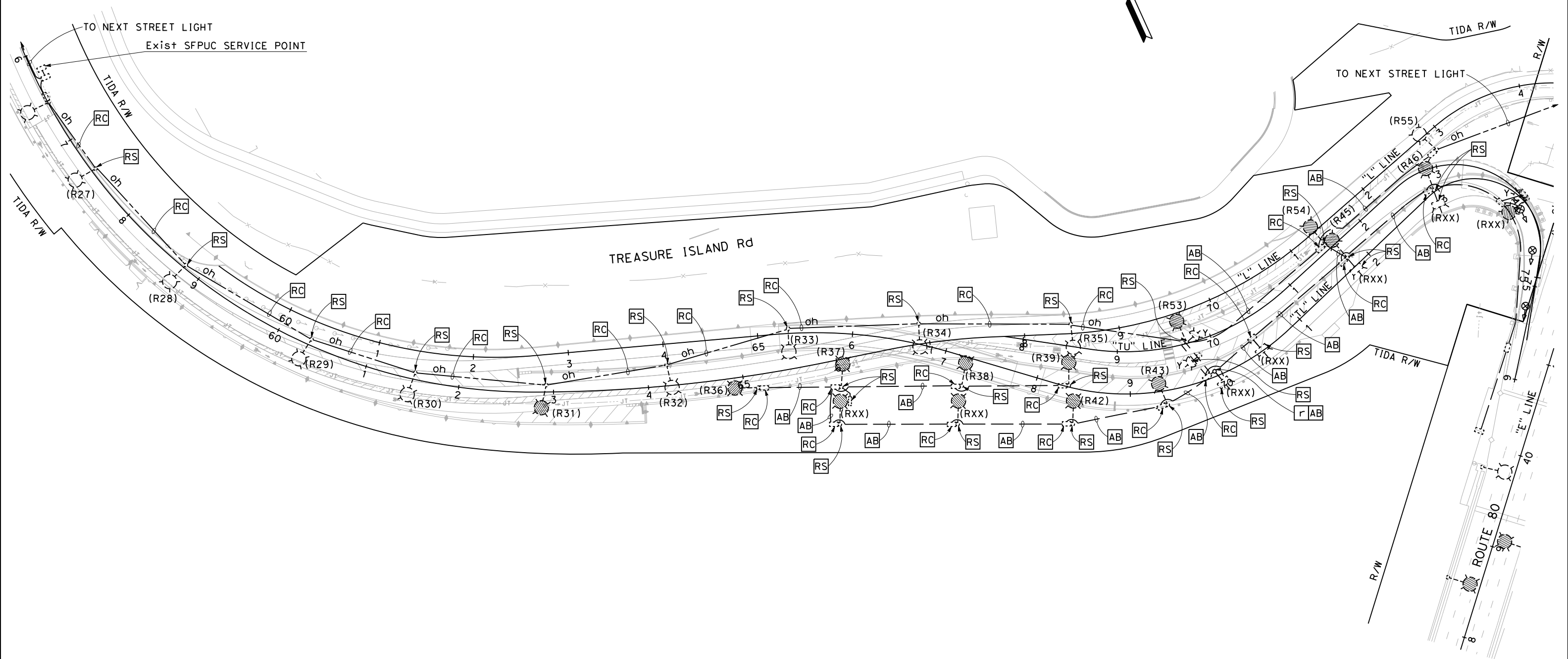
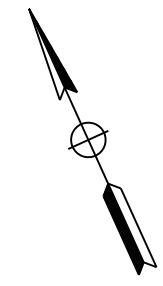
| CONDUCTOR AND CONDUIT SCHEDULE | | | | | | | | | | |
|---------------------------------|---------------------|--------------------|---|----|----|---|-----|---|---|---|
| AWG | CIRCUIT | No. OF CONDUCTORS | | | | | | | | |
| | | CONDUIT RUN NUMBER | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| #14 | Ø1 SIGNAL (BICYCLE) | 3 | 3 | 3 | 3 | 3 | 3 | | | |
| | Ø2 SIGNAL | | | 3 | 3 | 3 | 3 | | | |
| | SPARE | 3 | 3 | 3 | 3 | 3 | 3 | | | |
| | TOTAL #14 | 6 | 6 | 9 | 9 | 9 | 9 | | | |
| #8 | SIGNAL NEUTRAL | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | LIGHTING (120 V) | | | 2 | 2 | 2 | 2 | | | |
| | GROUND WIRE | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | TOTAL #8 | 2 | 2 | 4 | 4 | 4 | 4 | | | |
| #6 | SERVICE CONTROLLER | | | | | | | 2 | | |
| VIDEO CAMERA CABLE (POWER/COMM) | | | | 1 | 1 | 1 | 1 | | | |
| MINIMUM CONDUIT SIZE (INCHES) | | 2 | 2 | 2 | 2 | 3 | 2-3 | | | |
| % FILL | | 7 | 7 | 19 | 19 | 9 | 6 | | | |

| POLE AND EQUIPMENT SCHEDULE | | | | | | | | | |
|-----------------------------|----------|------------|------------|-------------------------|--------|-----|-------|---------------------------|--|
| No. | STANDARD | | | VEHICLE SIGNAL MOUNTING | | PPB | | LED LUMINAIRE (WATTS MAX) | REMARKS * |
| | TYPE | SMA (FEET) | LMA (FEET) | MAST ARM | POLE | Ø | ARROW | | |
| (A) | 18-4-100 | 25 | | MAT MAT | | | | | SEE NOTE 3 ON SHEET E-5. |
| (B) | 19-4-100 | 25 | 15 | MAS MAS | SV-1-T | | | 165 | SEE NOTE 5 ON SHEET E-5. PEU SHALL BE TYPE IV. |

*OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN SIGNAL MOUNTING, SEE STANDARD PLANS.

SIGNAL AND LIGHTING (CONDUCTOR & EQUIPMENT SCHEDULES) NO SCALE

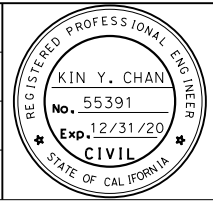




| | | | | | | | | | | |
|-------------------------------|--------------|---|--------------------------------|--|------------------------------------|--|--|---|---|--------------------|
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| | | | DRAWN BY: M. YANG | | PLANS APPROVAL DATE | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | | | CADD FILENAME => |
| | | | CHECKED BY: D. YAU | | APPROVED BY: | CONTRACT NO. | | | | |
| | | | | | | SHEET NAME | | | | SHEET NO. |
| BORDER LAST REVISED 1/20/2019 | | | | | RELATIVE BORDER SCALE IS IN INCHES |  | LAST REVISION | DATE PLOTTED => \$DATE | TIME PLOTTED => \$TIME | |
| | | | | | E-6 | XX | XX | 11-15-19 | 11-15-19 | |



FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET E-1

REMOVING LIGHTING SYSTEMS


SCALE: 1" = 50'

| | | | | | | | | | | | | | | | |
|------------------------|--------------------------|--|---|--|--|---|---|---|--|------------|-----------|--------------|------------|-----------|-----------|
| REVISED BY | DATE REVISED | YERBA BUENA ISLAND WEST-SIDE BRIDGE STRUCTURES PROJECT RAMP WEAVE ALTERNATIVE | DESIGNED BY: K. CHAN DRAWN BY: M. YANG CHECKED BY: D. YAU APPROVED BY: |  | REGISTERED CIVIL ENGINEER PLANS SUBMITTAL DATE PLANS APPROVAL DATE |  Y&C TRANSPORTATION CONSULTANTS, INC. <small>3250 RAMOS CIRCLE SACRAMENTO, CA 95827 (916) 366-8000 FAX: (916) 366-8008</small> |  |  | USERNAME => \$USER CADD FILENAME => \$REQUEST CONTRACT NO. | | | | | | |
| | | PROJECT DESCRIPTION | | | WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | | | | | | | |
| | | BORDER LAST REVISED 1/20/2019 | | | RELATIVE BORDER SCALE IS IN INCHES |  | | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">SHEET NAME</td> <td style="width: 33%;">SHEET NO.</td> <td style="width: 33%;">TOTAL SHEETS</td> </tr> <tr> <td style="text-align: center;">E-7</td> <td style="text-align: center;">XX</td> <td style="text-align: center;">XX</td> </tr> </table> | SHEET NAME | SHEET NO. | TOTAL SHEETS | E-7 | XX | XX |
| SHEET NAME | SHEET NO. | TOTAL SHEETS | | | | | | | | | | | | | |
| E-7 | XX | XX | | | | | | | | | | | | | |
| | | | | | | | | LAST REVISION 11-15-19 | | | | | | | |
| | | | | | | | | DATE PLOTTED => \$DATE TIME PLOTTED => \$TIME | | | | | | | |

NOTES: (FOR THIS SHEET ONLY)

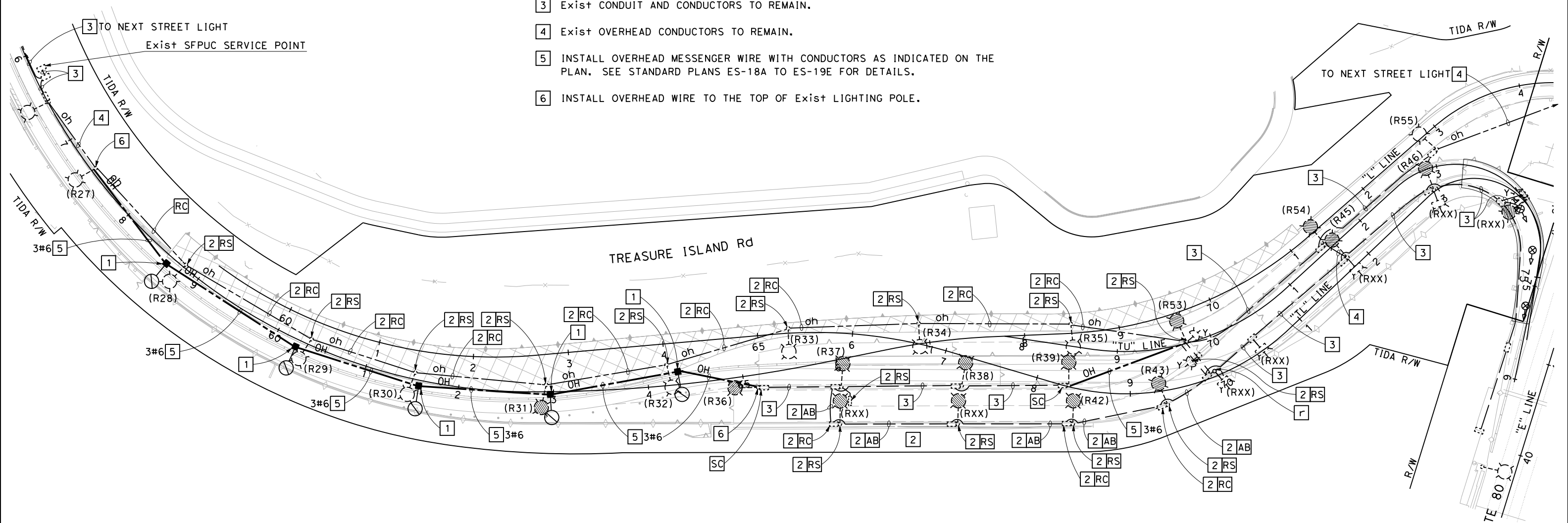
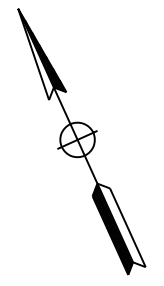
1. TEMPORARY EQUIPMENT SHOWN ON THESE PLANS MUST BE INSTALLED PRIOR TO BEGINNING OF EACH STAGE/PHASE OF CONSTRUCTION AND MAINTAINED IN EFFECTIVE OPERATION THROUGHOUT THAT STAGE/PHASE OF CONSTRUCTION.
2. THE CONTRACTOR MUST BE RESPONSIBLE TO PROVIDE PROTECTION FOR ALL TEMPORARY EQUIPMENT.
3. THE CONTRACTOR MUST VERIFY PERMANENT ELECTRICAL EQUIPMENT LOCATIONS PRIOR TO INSTALLING TEMPORARY ELECTRICAL EQUIPMENT TO AVOID CONFLICT BETWEEN PERMANENT AND TEMPORARY EQUIPMENT.
4. TEMPORARY ELECTRICAL EQUIPMENT SHOWN ON THESE PLANS ARE ON APPROXIMATE LOCATION. EXACT LOCATION MAY NEED TO BE ADJUSTED TO SUIT THE FIELD CONDITION OR AS DIRECTED BY THE ENGINEER.
5. A GROUNDING ELECTRODE MUST BE INSTALLED IN THE PULL BOX ADJACENT TO WOOD POLES AND BOND TO RIGID METAL CONDUIT, UNLESS OTHERWISE NOTED.
6. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDUIT RUNS AND LIGHTING CIRCUIT. TEMPORARY LIGHTING SYSTEMS AS SHOWN SHALL BE CONNECTED TO EXISTING SERVICE.

EQUIPMENT LEGEND: (FOR THIS SHEET ONLY)

- oh ----- Exist OVERHEAD MESSENGER WIRE
- OH ----- NEW OVERHEAD MESSENGER WIRE WITH CONDUCTORS AS INDICATED ON THE PLAN
-  WOOD POLE WITH ROADWAY 1 LUMINAIRE

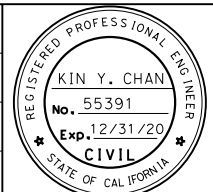



PROJECT NOTES: (FOR THIS SHEET ONLY)

- 1 INSTALL TEMPORARY WOOD POLE WITH CONDUCTORS, CONDUIT RISER, 12' LMA, ROADWAY 1 LED Lum AND OTHER EQUIPMENT AS REQUIRED. SEE CALTRANS STANDARD PLANS ES-18A TO ES-19E FOR DETAILS.
- 2 PERMANENT WORK. THIS WORK IS A PART OF BID ITEM "REMOVING LIGHTING SYSTEM". SEE SHEET E-7.
- 3 Exist CONDUIT AND CONDUCTORS TO REMAIN.
- 4 Exist OVERHEAD CONDUCTORS TO REMAIN.
- 5 INSTALL OVERHEAD MESSENGER WIRE WITH CONDUCTORS AS INDICATED ON THE PLAN. SEE STANDARD PLANS ES-18A TO ES-19E FOR DETAILS.
- 6 INSTALL OVERHEAD WIRE TO THE TOP OF Exist LIGHTING POLE.



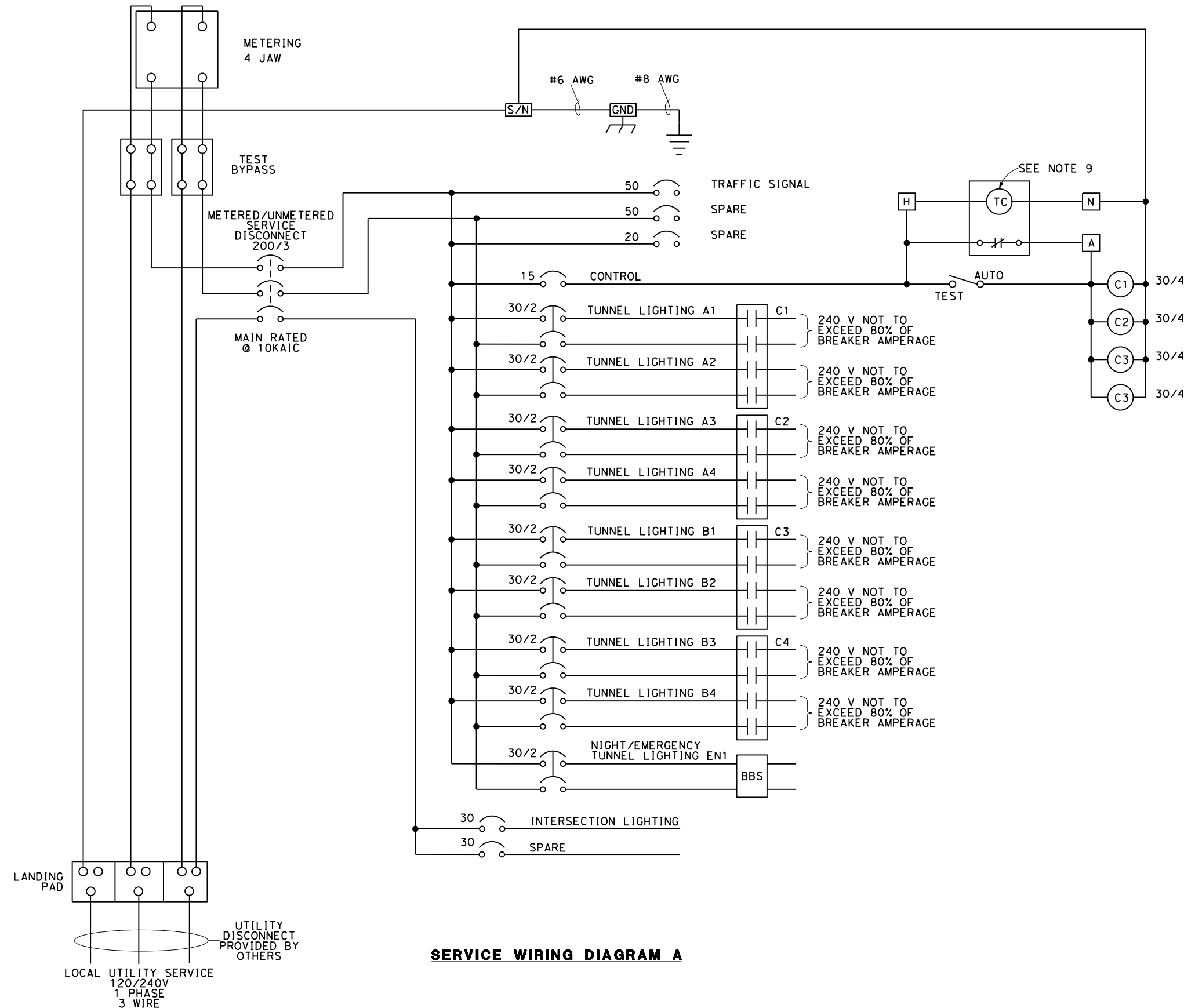
FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET E-1

**TEMPORARY LIGHTING SYSTEM
STAGE 1
SCALE: 1" = 50'**

| | | | | | | | | | | |
|------------|--------------|---|-------------------------|--|---------------------------|---|---|---|---|----------------------------|
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| | | | DRAWN BY: M. YANG | | PLANS APPROVAL DATE | W/M CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. | | | | CADD FILENAME => \$REQUEST |
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| | | | APPROVED BY: | | | | | | | SHEET NAME |
| | | | | | | | | | | SHEET NO. |
| | | | | | | | | | | TOTAL SHEETS |
| | | | | | | | | | | E-8 XX XX |
| | | | | | | | | | | LAST REVISION |
| | | | | | | | | | | DATE PLOTTED => \$DATE |
| | | | | | | | | | | TIME PLOTTED => \$TIME |

BORDER LAST REVISED 1/20/2019





SERVICE WIRING DIAGRAM A

ENCLOSURE CONSTRUCTION NOTES

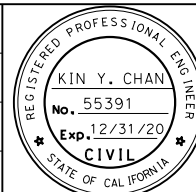



1. FABRICATED FROM 14 GA. #304 STAINLESS STEEL AND INT. 14 GA. COLD ROLLED STEEL ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
2. CONSTRUCTION WILL BE NEMA 3R, RAIN TIGHT.
3. ALL NUTS, BOLTS AND SCREWS WILL BE STAINLESS STEEL.
4. NUTS, BOLTS & SCREWS WILL NOT BE VISIBLE FROM OUTSIDE OF ENCLOSURE.
5. NAMEPLATES WILL BE PROVIDED AS REQUIRED.
6. CONTROL WIRING WILL BE MARKED AT BOTH ENDS BY PERMANENT WIRE MARKERS.
7. A PLASTIC COVERED WIRING DIAGRAM WILL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
8. ENCLOSURE WILL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA AND UL 508A STANDARDS.
9. TIME CLOCK FOR DAY-TIME CIRCUIT.

LIGHTING CIRCUIT OPERATIONS

| CIRCUIT No. | Qty | DAY TIME ON | NIGHT TIME ON | EMERGENCY ON | BATTERY BACKUP |
|-----------------------|-----|-------------|---------------|--------------|----------------|
| A1 | 11 | X | | | |
| A2 | 11 | X | | | |
| A3 | 11 | X | | | |
| A4 | 11 | X | | | |
| B1 | 10 | X | | | |
| B2 | 10 | X | | | |
| B3 | 10 | X | | | |
| B4 | 10 | X | | | |
| EN1 | 3 | X | X | X | X |
| INTERSECTION LIGHTING | 1 | | X | | |


ELECTRICAL SYSTEMS DETAILS

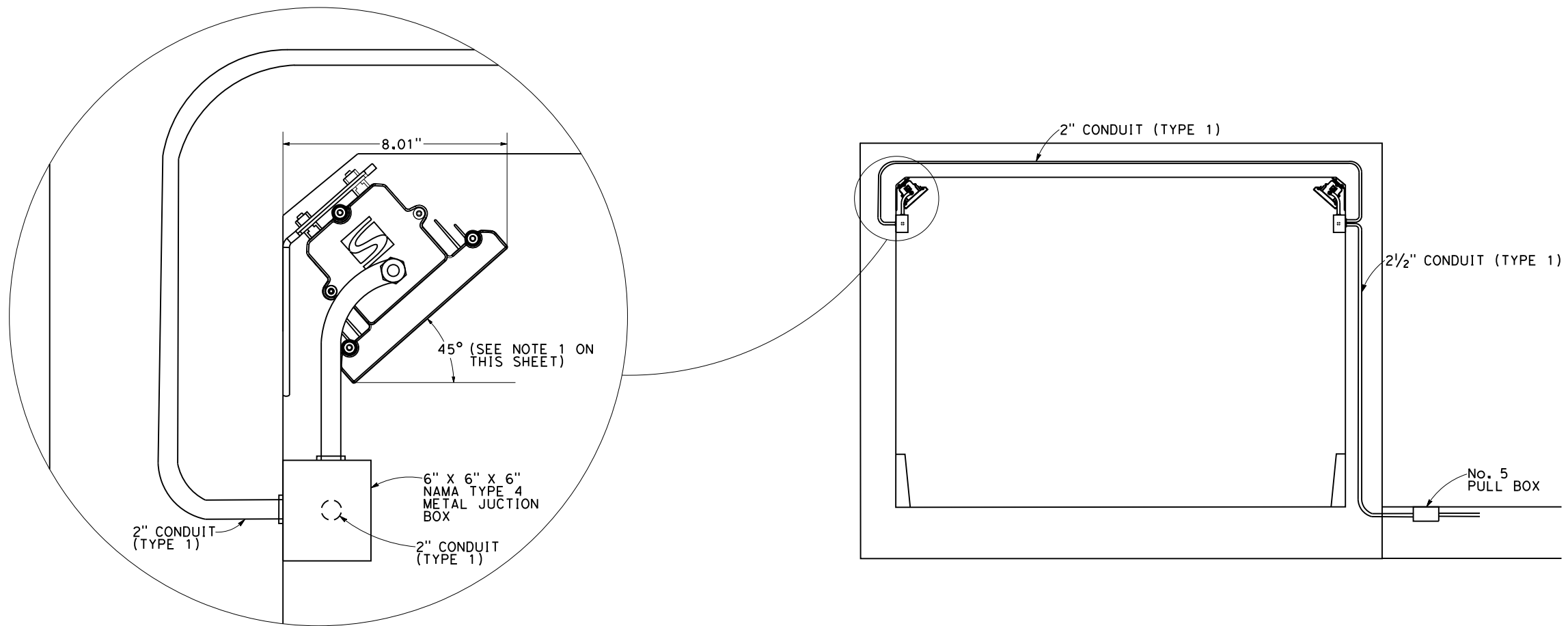
NO SCALE

| | | | | | |
|---|---|---|--|---|---|
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|---|---|---|--|---|---|

BORDER LAST REVISED 1/20/2019

RELATIVE BORDER SCALE IS IN INCHES





NOTE:
 1. EXACT ANGLE SHALL BE DETERMINED IN THE FIELD PER MANUFACTURER'S RECOMMENDATIONS.

TUNNEL LIGHTING MOUNTING DETAIL

ELECTRICAL SYSTEMS DETAILS
 NO SCALE

| | | | | | | | | | | | |
|-------------------------------|--------------|---|--|--|--|----------------------|---|--|---------------------------|--|---------------------------|
| REVISED BY | DATE REVISED | YERBA BUENA ISLAND WEST-SIDE BRIDGE STRUCTURES PROJECT RAMP WEAVE ALTERNATIVE PROJECT DESCRIPTION | DESIGNED BY: K. CHAN | | REGISTERED CIVIL ENGINEER | PLANS SUBMITTAL DATE | Y&C TRANSPORTATION CONSULTANTS, INC. 3250 RAMOS CIRCLE SACRAMENTO, CA 95827 (916) 366-8000 FAX: (916) 366-8008 | | | USERNAME => \$USER | |
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| BORDER LAST REVISED 1/20/2019 | | | REGISTERED CIVIL ENGINEER KIN Y. CHAN No. 55391 Exp. 12/31/20 CIVIL STATE OF CALIFORNIA | | <i>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i> | | | | SHEET NAME E-10 | SHEET NO. XX | TOTAL SHEETS XX |
| | | | | | | | | | LAST REVISION 11-15-19 | DATE PLOTTED => \$DATE TIME PLOTTED => \$TIME | |