

# SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT RANDALL ROAD DEBRIS BASIN PROJECT

SC8371

## IN THE MONTECITO AREA OF SANTA BARBARA COUNTY, CALIFORNIA

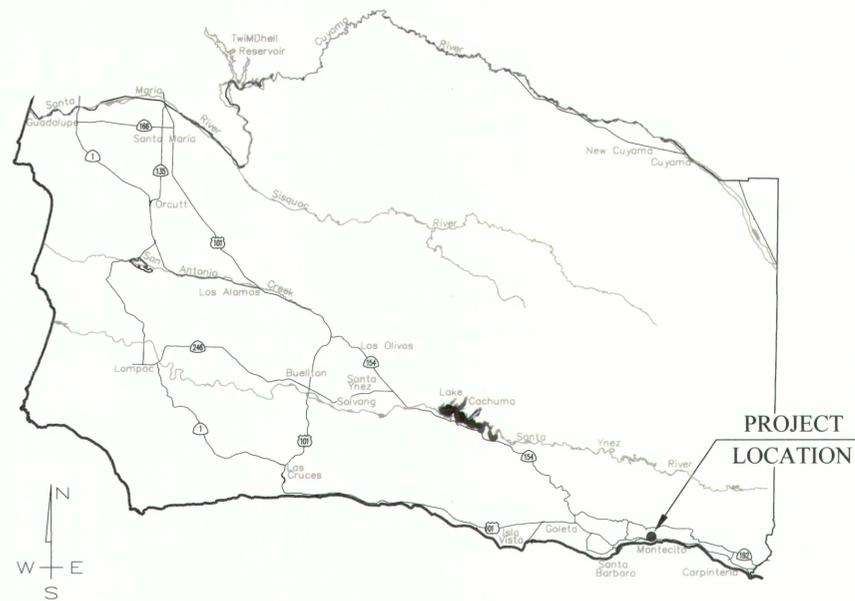
### DISTRICT BOARD OF DIRECTORS

|                        |                 |
|------------------------|-----------------|
| FIRST DISTRICT         | Das Williams    |
| SECOND DISTRICT        | Gregg Hart      |
| THIRD DISTRICT         | Joan Hartmann   |
| FOURTH DISTRICT, CHAIR | Bob Nelson      |
| FIFTH DISTRICT         | Steve Lavagnino |

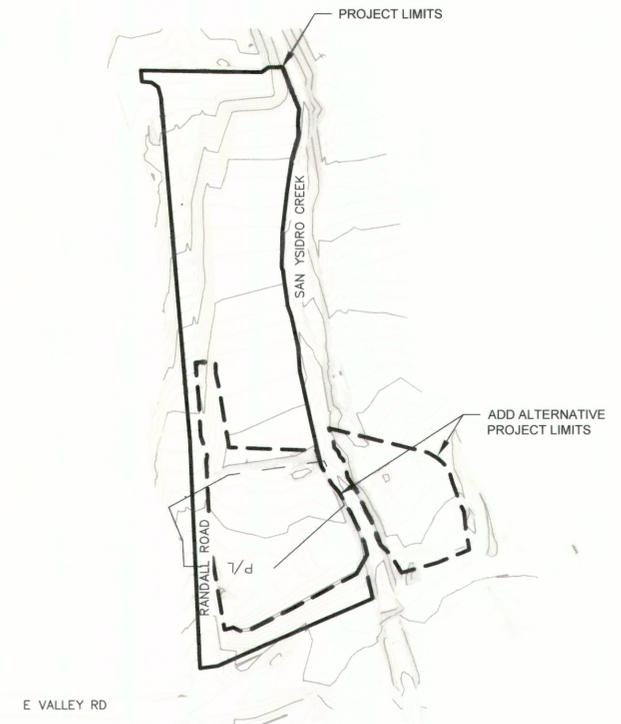
CHAIR BOARD OF DIRECTORS *original to be signed*  
Bob Nelson

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**VICINITY MAP**  
No Scale



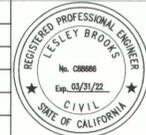
**LOCATION MAP**  
No Scale

UNAUTHORIZED CHANGES OR USES OF THESE PLANS BY ANY PARTY OTHER THAN THE SANTA BARBARA COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT AND ITS EMPLOYEES WILL NOT BE RESPONSIBLE FOR OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL PROPOSED CHANGES TO THE PLANS MUST BE PRESENTED IN WRITING TO THE DISTRICT AND APPROVED IN WRITING BY THE DISTRICT PRIOR TO IMPLEMENTATION OF ANY SUCH CHANGE OR USE.

CONTRACTOR'S LICENSE: THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE" ADVERTISING FOR BIDS.



| REVISIONS |                        |           |     |
|-----------|------------------------|-----------|-----|
| NO.       | DESCRIPTION            | DATE      | APR |
| 0         | READY FOR CONSTRUCTION | 2/12/2021 | LB  |



|                                     |                |
|-------------------------------------|----------------|
| DESIGNED BY: <i>Lesley Brooks</i>   | DATE: 02/08/21 |
| WRECO                               |                |
| REVIEWED BY: <i>Matthew S. X...</i> | DATE: 2-9-2021 |
| FLOOD CONTROL ENGINEERING MANAGER   |                |
| REVIEWED BY: <i>Maureen Serra</i>   | DATE: 2-9-21   |
| FLOOD CONTROL DEPUTY DIRECTOR       |                |
| REVIEWED BY: <i>Maureen Serra</i>   | DATE: 2-10-21  |
| ENVIRONMENTAL SERVICES MANAGER      |                |

SANTA BARBARA COUNTY  
FLOOD CONTROL AND  
WATER CONSERVATION DISTRICT  
130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
(805) 568-3440



**RANDALL ROAD DEBRIS  
BASIN PROJECT**  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

**TITLE SHEET**

|                                     |               |
|-------------------------------------|---------------|
| DESIGNED BY:<br>LB                  | <b>O-1151</b> |
| DRAWN BY:<br>JY                     |               |
| CHECKED BY:<br>HBL                  |               |
| SHEET 1 OF 35                       |               |
| Filename: Randall Road DB Plans.DWG |               |

**SYMBOL LEGEND**

|                            |  |                            |  |                       |  |
|----------------------------|--|----------------------------|--|-----------------------|--|
| CONTROL POINT              |  | EX. ROCK                   |  | EX. TREE              |  |
| EX. CABLE TV BOX           |  | EX. SEWER CLEANOUT         |  | EX. TREE - EUCALYPTUS |  |
| EX. CABLE TV VAULT         |  | EX. SEWER MANHOLE          |  | EX. TREE - LEMON      |  |
| EX. ELECTRIC BOX           |  | EX. SIGNAGE                |  | EX. TREE - PALM       |  |
| EX. ELECTRIC GUY WIRE      |  | EX. STORM DRAIN GRATE      |  | EX. TREE - PINE       |  |
| EX. ELECTRIC MANHOLE       |  | EX. STORM DRAIN MANHOLE    |  | EX. TREE - STUMP      |  |
| EX. ELECTRIC METER         |  | EX. STRUCTURE BENCH        |  | EX. TREE - SYCAMORE   |  |
| EX. FIRE HYDRANT           |  | EX. STRUCTURE BOLLARD/POST |  | EX. TREE - WILLOW     |  |
| EX. GAS METER              |  | EX. TELEPHONE BOX          |  | EX. TREE - YUCCA      |  |
| EX. GAS VALVE              |  | EX. TELEPHONE MANHOLE      |  | EX. WATER METER       |  |
| EX. IRRIGATION SPRINKLER   |  | EX. TELEPHONE POLE         |  | EX. WATER SPIGOT      |  |
| EX. LUMINARY               |  | EX. TELEPHONE VAULT        |  | EX. WATER VALVE       |  |
| EX. MAILBOX                |  | EX. BUSH/HEDGE             |  | EX. WATER WELL        |  |
| EX. MONUMENT               |  | EX. CACTUS                 |  |                       |  |
| EX. POWER & TELEPHONE POLE |  | EX. SHRUB                  |  |                       |  |

**STANDARD DETAILS AND PLANS LIST**

STANDARD NO. DESCRIPTION

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS (2018)  
The Standard Plan sheets applicable to this contract include, but are not limited to those indicated below. The Revised Standard Plans and New Standard Plans which apply are attached to the contract.

A3A ACRONYMS AND ABBREVIATIONS  
A3B ACRONYMS AND ABBREVIATIONS  
A3C ACRONYMS AND ABBREVIATIONS  
A10A LINES AND SYMBOLS

**ABBREVIATIONS**

|           |  |          |                                 |
|-----------|--|----------|---------------------------------|
| APN       | ASSESSORS PARCEL NUMBER                          | O        | FLOW VELOCITY                   |
| APWA      | AMERICAN PUBLIC WORKS ASSOC.                     | R1       | RECORD PER BOOK NN,             |
| AT        | ARCHITRCTURAL TEXTURE                            |          | PAGE NN OF MAPS                 |
| BW        | BOTH WAYS  | RCP      | REINFORCED CONCRETE PIPE        |
| CFS       | CUBIC FEET PER SECOND                            | RD       | ROAD                            |
| CL or C/L | CENTER LINE                                      | REINF    | REINFORCED                      |
| CALTRANS  | STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION | RSP      | ROCK SLOPE PROTECTION           |
| COUNTY    | COUNTY OF SANTA BARBARA                          | RW       | RETAINING WALL                  |
| CIP       | CAST-IN-PLACE                                    | S        | SEWER OR SLOPE OR SOUTH         |
| CONC      | CONCRETE   | SDMH     | STORM DRAIN MANHOLE             |
| CP        | CONTROL POINT                                    | SH       | SHINER                          |
| DI        | DUCTILE IRON OR DROP INLET                       | SPK      | SPIKE                           |
| DW        | DRIVEWAY   | STA      | STATION                         |
| E         | EAST OR EASTING                                  | S/W      | SIDEWALK                        |
| EG        | EXISTING GROUND                                  | TW or tw | TOP OF WALL                     |
| EGL       | ENERGY GRADE LINE                                | TCE      | TEMPORARY CONSTRUCTION EASEMENT |
| EL        | ELEVATION  | TBM      | TEMPORARY BENCH MARK            |
| EP        | EDGE OF PAVEMENT                                 | TSW      | TOP OF SIDEWALK                 |
| ELEC      | ELECTRIC   | TP       | TOP OF PAVEMENT                 |
| FD        | FOUND  | TYP      | TYPICAL                         |
| FG        | FINISHED GROUND ELEVATIONS                       | W or WL  | WATER LINE                      |
| FT        | FEET   | W/       | WITH                            |
| G         | GAS LINE   | WF       | WALL FACE                       |
| GB        | GRADE BREAK                                      | WWF      | WELDED WIRE FABRIC              |
| HDPE      | HIGH DENSITY POLYETHYLENE                        | V        | VELOCITY                        |
| HGL       | HYDRAULIC GRADE LINE                             | VB       | VALVE BOX                       |
| IP        | IRON PIPE  |          |                                 |
| IN        | INCH   |          |                                 |
| LOL       | LAYOUT LINE                                      |          |                                 |
| MJ        | MECHANICAL JOINT                                 |          |                                 |
| n         | MANNING'S COEFFICIENT                            |          |                                 |
| N         | NORTH OR NORTHING                                |          |                                 |
| OC        | ON CENTER  |          |                                 |
| PK        | PK NAIL  |          |                                 |

**LINETYPE LEGEND**

|                            |                |                               |             |
|----------------------------|----------------|-------------------------------|-------------|
| BOUNDARY EASEMENT LINE     | E/L            | EX. GAS                       | G           |
| BOUNDARY RIGHT OF WAY LINE | R/W            | EX. HIGH PRESSURE GAS         | HP G        |
| BOUNDARY PROPERTY LINE     | P/L            | EX. SEWER                     | S           |
| CENTERLINE                 |                | EX. STORM DRAIN               | SD SD SD SD |
| CONTOUR LINE-MAJOR         | 10             | EX. STRUCTURE CONCRETE        |             |
| CONTOUR LINE-MINOR         |                | EX. TELEPHONE                 | T           |
| EX. AC EDGE OF PAVEMENT    |                | EX. WATER                     | W           |
| EX. BUILDING               |                | PROPOSED CONSTRUCTION FENCING |             |
| EX. CABLE TV               | CTV            | PROPOSED DITCH                | > > > >     |
| EX. CHAIN LINK FENCE       |                | PROPOSED GRADING LIMITS       |             |
| EX. ELECTRIC               | E E E E E E    | PROPOSED FACILITIES           |             |
| EX. ELECTRIC OVERHEAD      | OH OH OH OH OH | PROPOSED STAGING AREA         |             |
| EX. FACILITIES             |                | PROPOSED WOOD RAIL FENCE      |             |
| EX. FLOW LINE              |                |                               |             |

**EXISTING UTILITY INFORMATION**

ALL UNDERGROUND UTILITIES SHOWN ARE PLOTTED BASED ON INFORMATION PROVIDED BY OTHERS, AND ARE APPROXIMATE. OVERHEAD UTILITIES ARE NOT SHOWN. NOTE THAT INDIVIDUAL SERVICE LATERALS AND CONNECTIONS ARE NOT PLOTTED ON THE PROFILE.

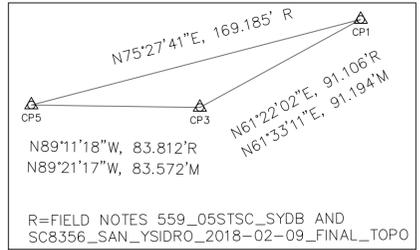
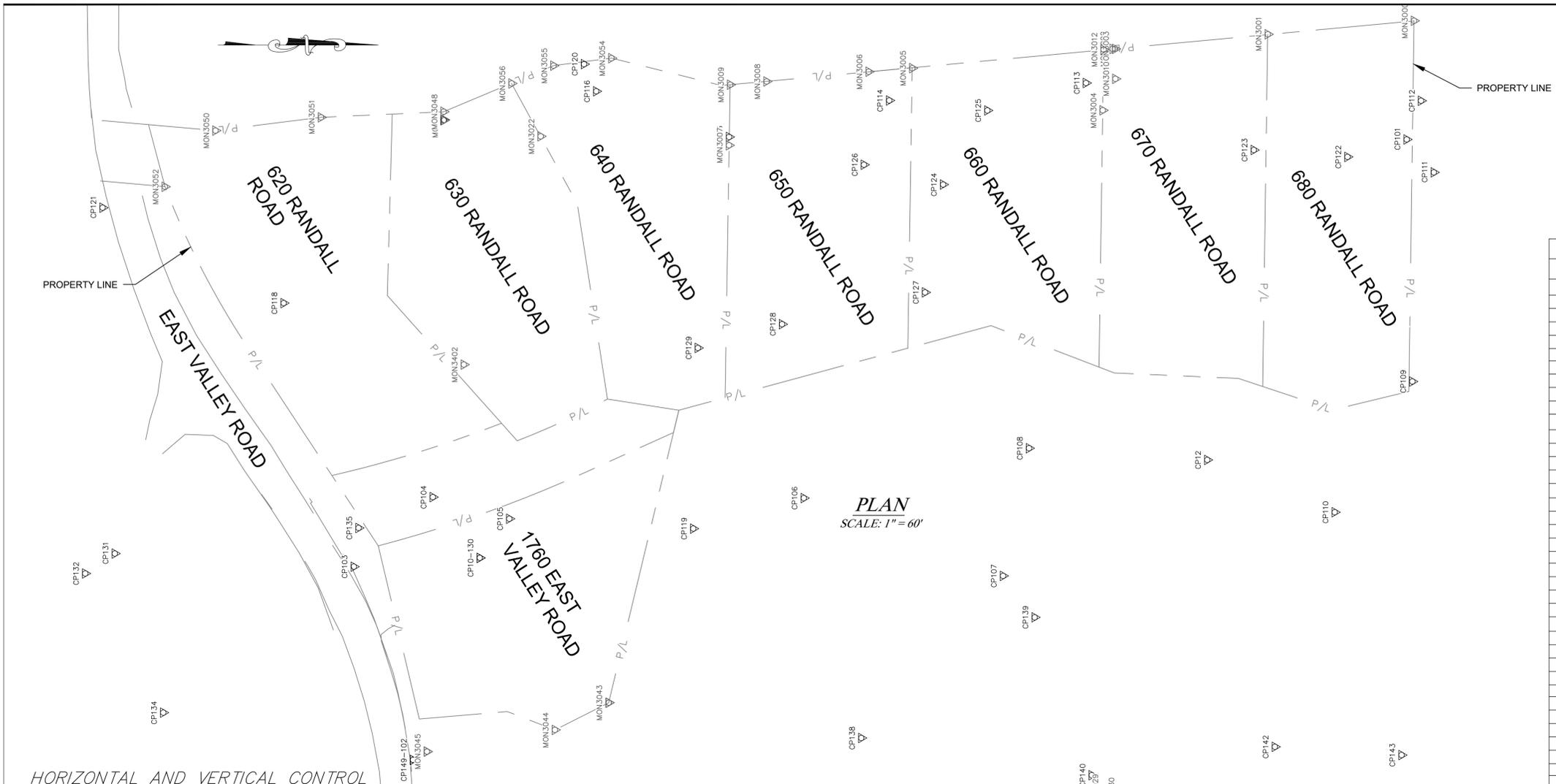
THE SANTA BARBARA COUNTY FLOOD CONTROL DISTRICT IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS INFORMATION. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF TWO WORKING DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION @ 1-800-422-4133.



UNAUTHORIZED CHANGES OR USES: THE SANTA BARBARA COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT AND ITS EMPLOYEES WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL PROPOSED CHANGES TO THE PLANS MUST BE PRESENTED IN WRITING TO THE DISTRICT AND APPROVED IN WRITING BY THE DISTRICT PRIOR TO IMPLEMENTATION OF ANY SUCH CHANGE OR USE.

| <table border="1"> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>APR</th> </tr> <tr> <td>0</td> <td>READY FOR CONSTRUCTION</td> <td>2/12/2021</td> <td>LB</td> </tr> </table> |                        |           |     | REVISIONS |  |  |  | NO. | DESCRIPTION | DATE | APR | 0 | READY FOR CONSTRUCTION | 2/12/2021 | LB |  | DESIGNED BY: <i>Lesley Brooks</i> 02/08/21<br>WRECO DATE | SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT<br>130 E. VICTORIA STREET<br>SANTA BARBARA, CA 93101<br>(805) 568-3440 |  | RANDALL ROAD DEBRIS BASIN PROJECT<br>AREA OF MONTECITO<br>SANTA BARBARA COUNTY, CALIFORNIA | <p><b>NOTES, LEGEND, AND ABBREVIATIONS</b></p> | DESIGNED BY: LB<br>DRAWN BY: JY<br>CHECKED BY: HBL | <p><b>O-1151</b></p> <p>SHEET 2 OF 35</p> <p>Filename: Randall Road DB Plans.DWG</p> |
|--|------------------------|-----------|-----|-----------|--|--|--|-----|-------------|------|-----|---|------------------------|-----------|----|--|--|---|--|--|--|--|--|
| REVISIONS  |                        |           |     |           |  |  |  |     |             |      |     |   |                        |           |    |  |  |   |  |  |  |  |  |
| NO.  | DESCRIPTION            | DATE      | APR |           |  |  |  |     |             |      |     |   |                        |           |    |  |  |   |  |  |  |  |  |
| 0  | READY FOR CONSTRUCTION | 2/12/2021 | LB  |           |  |  |  |     |             |      |     |   |                        |           |    |  |  |   |  |  |  |  |  |





| CONTROL POINT TABLE |            |            |           |  |                                    |
|---------------------|------------|------------|-----------|--|------------------------------------|
| CONTROL POINT#      | NORTHING   | EASTING    | ELEVATION | DESCRIPTION  | RECORD                             |
| CP1                 | 1989952.28 | 6072596.82 | 554.110   | FOUND MAG NAIL IN AC                               | SBCO S559_02-15-2005               |
| CP3                 | 1989908.63 | 6072516.86 | 551.710   | FOUND 3" PIPE OPEN AT SURFACE - BENT               | SBCO S559_02-15-2005               |
| CP5                 | 1989909.81 | 6072433.06 | 546.443   | FOUND MAG NAIL & SHINER IN CONCRETE DAM            | SBCO SAN_YSIDRO_2018-02-09         |
| CP100               | 1988292.92 | 6073643.73 | 418.274   | FOUND 2" ALUM CAP IN MON WELL MONT CONTROL NETWORK | MCN RS BOOK 212 PG 048             |
| CP101               | 1987205.32 | 6072761.52 | 336.001   | FOUND SPIKE IN AERIAL PANEL                        | NO RECORD                          |
| CP102               | 1986312.98 | 6073317.52 | 281.609   | SET SPIKE AND CHASER ON SHOULDER OF ROAD           | RANDALL_DB_2018-08-22              |
| CP103               | 1986259.83 | 6073144.40 | 283.004   | SET SPIKE AND CHASER ON SHOULDER OF ROAD           | RANDALL_DB_2018-08-22              |
| CP104               | 1986330.73 | 6073082.04 | 276.077   | SET SPIKE AND CHASER IN CREEKBED                   | RANDALL_DB_2018-08-22              |
| CP105               | 1986399.48 | 6073101.45 | 294.535   | SET SPIKE AND CHASER ON TOP OF BANK                | RANDALL_DB_2018-08-22              |
| CP106               | 1986663.91 | 6073082.91 | 302.705   | SET SPIKE AND CHASER                               | RANDALL_DB_2018-08-22              |
| CP107               | 1986842.82 | 6073152.65 | 314.206   | SET SPIKE AND CHASER                               | RANDALL_DB_2018-08-22              |
| CP108               | 1986866.19 | 6073038.25 | 317.699   | SET SPIKE AND CHASER                               | RANDALL_DB_2018-08-22              |
| CP109               | 1987210.44 | 6072978.45 | 339.022   | SET SPIKE AND CHASER                               | RANDALL_DB_2018-08-22              |
| CP110               | 1987140.74 | 6073095.59 | 334.966   | SET SPIKE AND CHASER                               | RANDALL_DB_2018-08-22              |
| CP111               | 1987229.73 | 6072791.01 | 337.845   | SET SPIKE AND CHASER                               | RANDALL_DB_2018-08-22              |
| CP112               | 1987218.23 | 6072726.83 | 334.829   | SET SPIKE AND CHASER                               | RANDALL_DB_2018-08-22              |
| CP113               | 1986917.39 | 6072710.91 | 323.663   | SET MAG NAIL AND SHINER IN AC                      | RANDALL_DB_2018-08-22              |
| CP114               | 1986740.64 | 6072726.59 | 310.914   | SET MAG NAIL AND SHINER IN AC                      | RANDALL_DB_2018-08-22              |
| CP115               | 1986596.81 | 6072759.30 | 301.094   | SET MAG NAIL AND SHINER IN AC                      | RANDALL_DB_2018-08-22              |
| CP116               | 1986477.50 | 6072718.35 | 294.658   | SET SPIKE AND CHASER                               | RANDALL_DB_2018-08-22              |
| CP117               | 1986340.52 | 6072744.23 | 287.101   | SET MAG NAIL AND SHINER IN AC                      | RANDALL_DB_2018-08-22              |
| CP118               | 1986196.80 | 6072908.19 | 285.376   | RESECTION NOTHING SET                              | RANDALL_DB_2018-08-22              |
| CP119               | 1986564.67 | 6073110.28 | 298.229   | RESECTION NOTHING SET                              | RANDALL_DB_2018-08-22              |
| CP120               | 1986466.56 | 6072684.00 | 294.578   | SET SPIKE AND CHASER                               | RANDALL_DB_2018-08-22              |
| CP121               | 1986034.20 | 6072822.68 | 275.622   | SET SPIKE AND CHASER                               | RANDALL_DB_2018-08-22              |
| CP122               | 1987152.19 | 6072777.15 | 343.73    | SET SPIKE AND CHASER                               | RANDALL_DB_2019-10-07_TOPO         |
| CP123               | 1987068.03 | 6072770.95 | 340.558   | SET SPIKE AND CHASER                               | RANDALL_DB_2019-10-07_TOPO         |
| CP124               | 1986789.03 | 6072801.91 | 318.126   | SET SPIKE AND CHASER                               | RANDALL_DB_2019-10-07_TOPO         |
| CP125               | 1986828.77 | 6072735.52 | 317.452   | SET SPIKE AND CHASER                               | RANDALL_DB_2019-10-07_TOPO         |
| CP126               | 1986717.96 | 6072784.15 | 320.781   | SET SPIKE AND CHASER                               | RANDALL_DB_2019-10-07_TOPO         |
| CP127               | 1986772.82 | 6072898.57 | 316.974   | SET X ON CONCRETE                                  | RANDALL_DB_2019-10-07_TOPO         |
| CP128               | 1986644.39 | 6072927.06 | 308.838   | SET SPIKE AND CHASER                               | RANDALL_DB_2019-10-07_TOPO         |
| CP129               | 1986568.81 | 6072948.35 | 306.34    | SET SPIKE AND CHASER                               | RANDALL_DB_2019-10-07_TOPO         |
| CP130               | 1986372.96 | 6073136.52 | 292.104   | SET SPIKE AND CHASER                               | RANDALL_DB_2019-10-07_TOPO         |
| CP131               | 1986045.15 | 6073132.61 | 272.293   | SET MAG AND SHINER                                 | RANDALL_TOPO_2019-11-08            |
| CP132               | 1986018.64 | 6073150.49 | 258.208   | SET SPIKE AND CHASER                               | RANDALL_TOPO_2019-11-08            |
| CP133               | 1985851.95 | 6073237.57 | 245.678   | SET SPIKE AND CHASER                               | RANDALL_TOPO_2019-11-08            |
| CP134               | 1986088.68 | 6073275.17 | 268.740   | SET SPIKE AND CHASER                               | RANDALL_TOPO_2019-11-08            |
| CP135               | 1986264.06 | 6073109.69 | 269.210   | SET SPIKE AND CHASER                               | RANDALL_TOPO_2019-11-08            |
| CP136               | 1985625.57 | 6073297.19 | 235.387   | SET SPIKE AND CHASER                               | RANDALL_TOPO_2019-11-08            |
| CP137               | 1985752.80 | 6073235.48 | 250.355   | SET SPIKE AND CHASER                               | RANDALL_TOPO_2019-11-08            |
| CP138               | 1986715.54 | 6073297.90 | 303.468   | SET SPIKE AND CHASER                               | RANDALL_DB_2020-01-16_TRAVERS_MONS |
| CP139               | 1986871.21 | 6073189.76 | 313.295   | SET SPIKE AND CHASER                               | RANDALL_DB_2020-01-16_TRAVERS_MONS |
| CP140               | 1986922.53 | 6073331.24 | 320.680   | SET SPIKE AND CHASER                               | RANDALL_DB_2020-01-16_TRAVERS_MONS |
| CP141               | 1986778.93 | 6073417.90 | 310.204   | SET SPIKE AND CHASER                               | RANDALL_DB_2020-01-16_TRAVERS_MONS |
| CP142               | 1987086.97 | 6073305.80 | 319.604   | SET SPIKE AND CHASER                               | RANDALL_DB_2020-01-16_TRAVERS_MONS |
| CP143               | 1987200.71 | 6073313.18 | 333.826   | SET SPIKE AND CHASER                               | RANDALL_DB_2020-01-16_TRAVERS_MONS |
| CP144               | 1987365.41 | 6073413.69 | 335.703   | SET NAIL AND SHINER IN AC                          | RANDALL_DB_2020-01-16_TRAVERS_MONS |
| CP145               | 1987341.99 | 6073454.64 | 356.467   | SET NAIL AND SHINER IN AC                          | RANDALL_DB_2020-01-16_TRAVERS_MONS |
| CP146               | 1986868.11 | 6073729.34 | 327.464   | SET NAIL AND SHINER IN AC                          | RANDALL_DB_2020-01-16_TRAVERS_MONS |
| CP147               | 1986560.01 | 6073695.77 | 315.630   | SET NAIL IN AC                                     | RANDALL_DB_2020-01-16_TRAVERS_MONS |
| CP148               | 1986314.04 | 6073719.55 | 301.278   | SET NAIL IN AC                                     | RANDALL_DB_2020-01-16_TRAVERS_MONS |
| CP149               | 1986312.98 | 6073317.50 | 281.896   | (CP102) FOUND SPIKE AND CHASER IN SHOULDER OF RD   | RANDALL_DB_2020-01-16_TRAVERS_MONS |
| CP10                | 1986372.96 | 6073136.5  | 292.334   | (CP130) FOUND SPIKE AND CHASER                     | RANDALL_DB_2020-01-16_TRAVERS_MONS |
| CP11                | 1986340.54 | 6072744.20 | 287.347   | (CP117) FOUND MAG NAIL AND SHINER                  | RANDALL_DB_2020-01-16_TRAVERS_MONS |
| CP12                | 1987028.24 | 6073048.73 | 329.625   | SET SPIKE & CHASER                                 | RANDALL_DB_2020-02-04_TRAVERS_MONS |
| CP13                | 1987317.01 | 6072958.93 | 346.472   | SET SPIKE & CHASER                                 | RANDALL_DB_2020-02-04_TRAVERS_MONS |

| MONUMENT POINT TABLE   |             |            |           |  |           |  |
|--|-------------|------------|-----------|--|-----------|--|
| BOUNDARY MONUMENTS OUTSIDE CONSTRUCTION TO BE PROTECTED IN PLACE |             |            |           |  |           |  |
| POINT #  | NORTHING    | EASTING    | ELEVATION | DESCRIPTION  | RECORD    |  |
| MON3000  | 1987211.94  | 6072655.20 | 536.22    | FOUND 1 1/2 IP TAG MARKED RCE 14091                    | 73/RS/43  |  |
| MON3001  | 1987080.63  | 6072667.29 | 327.71    | FOUND 1 1/2 PIPE TAG RCE 7704                          | 73/RS/43  |  |
| MON3002  | 1986941.21  | 6072680.41 | 531.53    | FOUND 3" BRASS CAP FFF F H RANDALL PROPERTY 1915       | 73/RS/43  |  |
| MON3003  | 1986943.57  | 6072680.40 | 331.45    | FOUND 1 1/2 INCH PIPE RCE 7704                         | 73/RS/43  |  |
| MON3005  | 1986761.35  | 6072697.65 | 319.93    | FOUND 1 1/2" PIPE TAG ILLEG                            | 73/RS/43  |  |
| MON3006  | 1986722.21  | 6072700.85 | 317.64    | FOUND 3" BRASS CAP FFF F H RANDALL PROPERTY 1915       | 73/RS/43  |  |
| MON3007  | 1986596.73  | 6072766.74 | 300.91    | FOUND 1 1/2" PIPE NO TAG                               | 73/RS/43  |  |
| MON3008  | 1986630.52  | 6072709.58 | 306.90    | FOUND 3" BRASS CAP FFF E W RUNYON PROPERTY 1916        | 73/RS/43  |  |
| MON3009  | 1986597.81  | 6072712.49 | 302.03    | FOUND 1 1/2" PIPE TAG RCE 14091                        | 10/RS/65  |  |
| MON3012  | 1986933.20  | 6072681.02 | 330.80    | FOUND 1 1/2" PIPE TAG MARKED RCE 14091                 | 73/RS/43  |  |
| MON3043  | 1986488.61  | 6073266.29 | 289.62    | FOUND 1 1/2" PIPE TAG MARKED RCE 2786 PENFIELD & SMITH | 143/RS/11 |  |
| MON3044  | 1986440.409 | 6073290.64 | 287.24    | FOUND X ON BOULDER                                     | 143/RS/11 |  |
| MON3048  | 1986340.50  | 6072736.70 | 286.50    | FOUND 3" BRASS CAP FFF F H RANDALL PROPERTY 1915       | 73/RS/43  |  |
| MON3050  | 1986135.60  | 6072753.56 | 276.93    | FOUND 3" BRASS CAP FFF F H RANDALL PROPERTY 1915       | 73/RS/43  |  |
| MON3051  | 1986230.32  | 6072741.71 | 282.28    | FOUND 3" BRASS CAP FFF F H RANDALL PROPERTY 1915       | 73/RS/43  |  |
| MON3054  | 1986491.16  | 6072688.67 | 295.64    | FOUND 3" BRASS CAP FFF F H RANDALL PROPERTY 1915       | 73/RS/43  |  |
| MON3055  | 1986439.18  | 6072695.35 | 292.72    | FOUND 1 1/2" PIPE NO TAG                               | 73/RS/43  |  |
| MON3056  | 1986401.51  | 6072711.33 | 290.40    | FOUND 1 1/2" PIPE NO TAG                               | 73/RS/43  |  |

FOR  
INFORMATION  
ONLY

**HORIZONTAL AND VERTICAL CONTROL**

**Surveyor's Notes:**  
Horizontal positions of control points 102, 103, 104, 105 were derived from GPS-RTK observation holding Trimble R-8 GPS base station at CP3 fixed as CP3 per Santa Barbara County Surveyor's Field Survey project S559\_02-15-2005 based on California Coordinate System 1983 (CCS83) 1991.35 epoch. Conventional traverse establishing control points 106-149 was completed using Trimble S-6 instrument from control points 102, 103, 104, 105 set by RTK. Topo survey completed by both RTK and conventional method. CP117 was used as primary local site base location for RTK topo. No control adjustments were made. Calibration on control may be needed for GPS construction staking.

Elevations (orthometric heights) of control points 102, 103, 104, & 105 were derived by GPS-RTK observation and converted to the North American Vertical Datum 1988 (NAVD88) using the National Geodetic Survey's program GEOD99 holding base station at CP3 fixed as CP3 per Santa Barbara County Surveyor's Field Survey project S559\_02-15-2005 based on California Coordinate System 1983 (CCS83) 1991.35 epoch. Conventional traverse establishing control points 106-149 was completed using Trimble S-6 instrument from control points 102, 103, 104, & 105.

All coordinate values shown are grid values. All distances are based on the U.S. Survey Foot (one survey foot = 1200/3937 meters).

Topo surveys performed by conventional methods beginning 08-2018, and continuing 09-2018, 10-2018, 11-2018, 03-2018, 04-2019; Additional topo during site clean up 10-2019. Additional topo downstream EVR 11-2019. Creekflowline from top of basin to EVR updated 06-10-2020 to capture change from winter 2020. Foundation data added from aerial photo imagery 8-13-2020.

**Contour Interval:**  
The contour interval is shown at 1 foot intervals with majors at every 5 feet  
**Basis of Bearings:**  
The Basis of Bearings is between CP3 and CP1 N61°22'02"E, 91.106' record and measured as N61°33'15"E, 91.248'.

**Ground to Grid Factors**  
Convergence Factor: -0°55'29.10131"      Scale Factor: 0.999935886  
Combined Factor: 0.999914884      Factors Calculated for: CP3

UNAUTHORIZED CHANGES OR USES:  
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| REVISIONS |                        |           |     |
|-----------|------------------------|-----------|-----|
| NO.       | DESCRIPTION            | DATE      | APR |
| 0         | READY FOR CONSTRUCTION | 2/12/2021 | LB  |

SANTA BARBARA COUNTY  
FLOOD CONTROL AND  
WATER CONSERVATION DISTRICT  
130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
(805) 568-3440



RANDALL ROAD DEBRIS  
BASIN PROJECT  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

**SURVEY  
INFORMATION**

|                                     |               |
|-------------------------------------|---------------|
| DESIGNED BY:<br>LB                  | <b>O-1151</b> |
| DRAWN BY:<br>JY                     |               |
| CHECKED BY:<br>HBL                  |               |
| SHEET 4 OF 35                       |               |
| Filename: Randall Road DB Plans.DWG |               |



ALL UNDERGROUND UTILITIES SHOWN ARE PLOTTED BASED ON INFORMATION PROVIDED BY OTHERS, AND ARE APPROXIMATE. OVERHEAD UTILITIES ARE NOT SHOWN.  
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PLAN  
SCALE: 1" = 60'

**RANDALL ROAD (RR) LINE**

| SEGMENT DI | START STATION | NORTHING   | EASTING    | LENGTH | END STATION | DIRECTION/ DELTA | RADIUS |
|------------|---------------|------------|------------|--------|-------------|------------------|--------|
| L1         | 1+00.00       | 1987196.44 | 6072708.02 | 88.06  | 1+88.06     | S 00° 35' 58" W  | -      |
| L2         | 1+88.06       | 1987108.39 | 6072707.09 | 514.48 | 7+02.54     | S 05° 22' 36" E  | -      |
| L3         | 7+02.54       | 1986596.17 | 6072755.30 | 516.77 | 12+19.31    | S 03° 14' 30" E  | -      |

**SAN YSIDRO (SY) LINE**

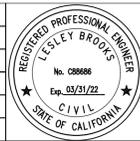
| SEGMENT DI | START STATION | NORTHING   | EASTING    | LENGTH | END STATION | DIRECTION/ DELTA | RADIUS |
|------------|---------------|------------|------------|--------|-------------|------------------|--------|
| L1         | 0+00.00       | 1987653.61 | 6072715.07 | 199.83 | 1+99.83     | S 32° 20' 16" E  | -      |
| L2         | 1+99.83       | 1987484.77 | 6072821.96 | 368.48 | 5+68.32     | S 21° 09' 34" E  | -      |
| L3         | 5+68.32       | 1987141.13 | 6072954.97 | 292.68 | 8+60.99     | S 05° 18' 23" W  | -      |
| L4         | 8+60.99       | 1986849.71 | 6072927.93 | 351.49 | 12+12.49    | S 10° 44' 17" E  | -      |
| L5         | 12+12.49      | 1986504.37 | 6072993.39 | 193.25 | 14+05.73    | S 27° 44' 10" E  | -      |
| L6         | 14+05.73      | 1986333.33 | 6073063.33 | 119.21 | 15+24.95    | S 16° 51' 52" E  | -      |

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| REVISIONS |                        |           |     |
|-----------|------------------------|-----------|-----|
| NO.       | DESCRIPTION            | DATE      | APR |
| 0         | READY FOR CONSTRUCTION | 2/12/2021 | LB  |



DESIGNED BY: *Lesley Brooks* 02/08/21  
WRECO DATE

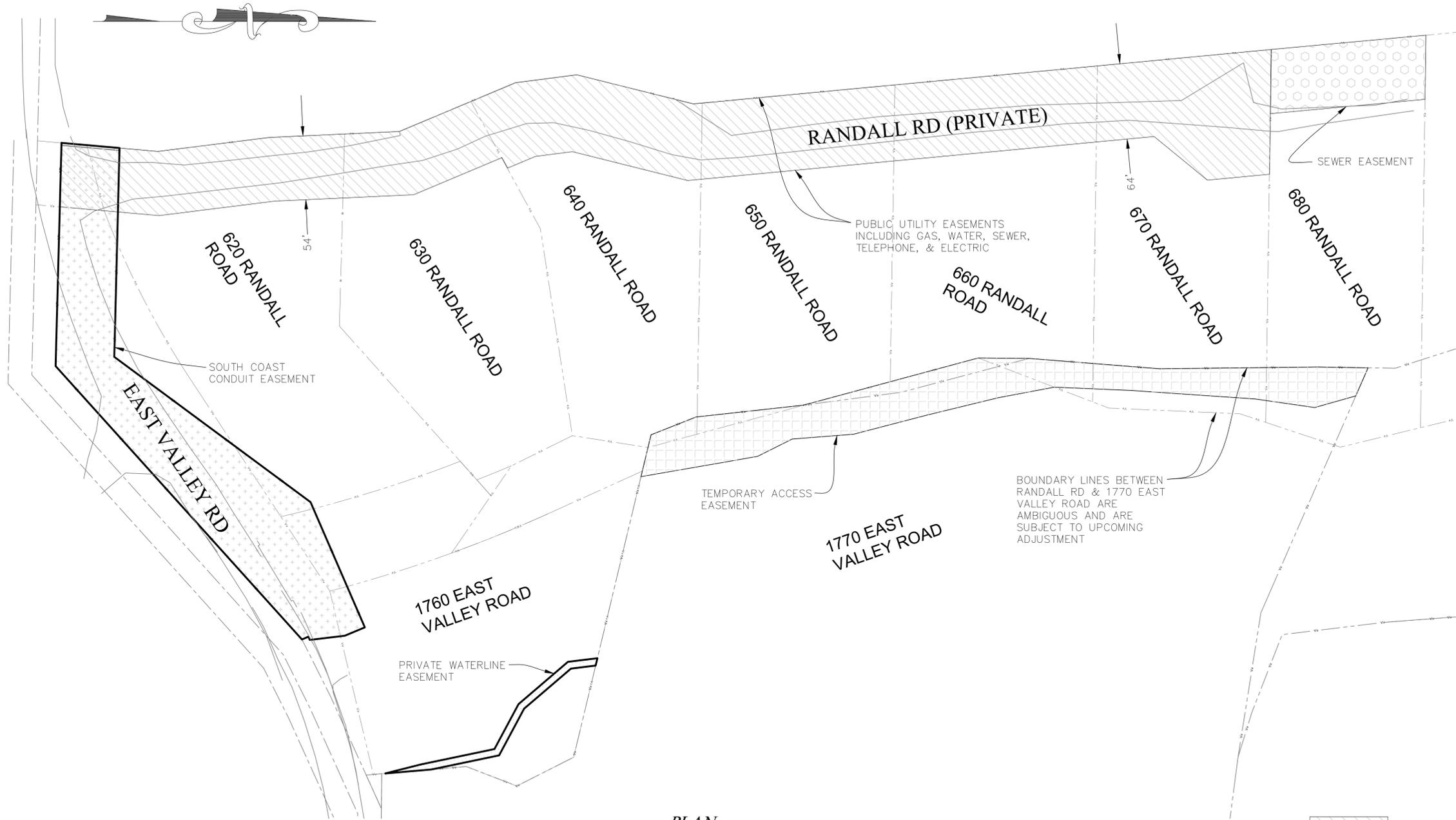
SANTA BARBARA COUNTY  
FLOOD CONTROL AND  
WATER CONSERVATION DISTRICT  
130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
(805) 568-3440



RANDALL ROAD DEBRIS  
BASIN PROJECT  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

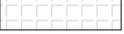
**KEYLINE GEOMETRY**

DESIGNED BY: LB  
DRAWN BY: JY  
CHECKED BY: HBL  
**O-1151**  
SHEET 5 OF 35  
Filename: Randall Road DB Plans.DWG



**PLAN**  
SCALE: 1" = 50'

FOR  
INFORMATION  
ONLY

-  PUBLIC UTILITY EASEMENTS
-  SEWER EASEMENT
-  PRIVATE WATERLINE EASEMENT
-  SOUTH COAST CONDUIT EASEMENT
-  TEMPORARY ACCESS EASEMENT

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| REVISIONS |                        |           |     |
|-----------|------------------------|-----------|-----|
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SANTA BARBARA COUNTY  
FLOOD CONTROL AND  
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130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
(805) 568-3440



RANDALL ROAD DEBRIS  
BASIN PROJECT  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

**EASEMENTS**

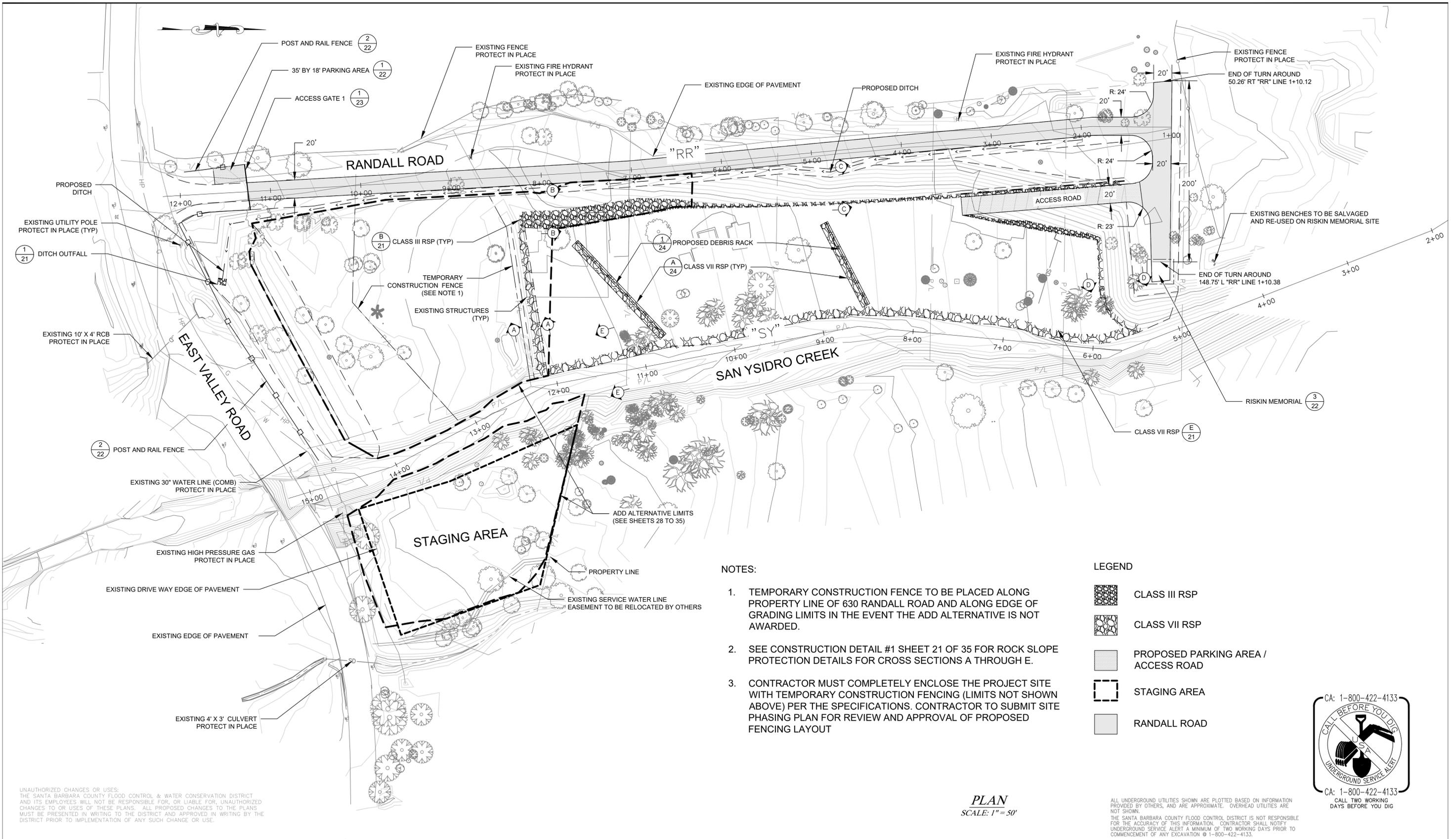
DESIGNED BY:  
XX  
DRAWN BY:  
SB/JM  
CHECKED BY:  
XX

**O-1151**

SHEET 6 OF 35

Filename: RANDALL\_DB\_Esmnts.DWG





**NOTES:**

1. TEMPORARY CONSTRUCTION FENCE TO BE PLACED ALONG PROPERTY LINE OF 630 RANDALL ROAD AND ALONG EDGE OF GRADING LIMITS IN THE EVENT THE ADD ALTERNATIVE IS NOT AWARDED.
2. SEE CONSTRUCTION DETAIL #1 SHEET 21 OF 35 FOR ROCK SLOPE PROTECTION DETAILS FOR CROSS SECTIONS A THROUGH E.
3. CONTRACTOR MUST COMPLETELY ENCLOSE THE PROJECT SITE WITH TEMPORARY CONSTRUCTION FENCING (LIMITS NOT SHOWN ABOVE) PER THE SPECIFICATIONS. CONTRACTOR TO SUBMIT SITE PHASING PLAN FOR REVIEW AND APPROVAL OF PROPOSED FENCING LAYOUT

**LEGEND**

- CLASS III RSP
- CLASS VII RSP
- PROPOSED PARKING AREA / ACCESS ROAD
- STAGING AREA
- RANDALL ROAD

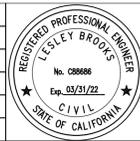
**PLAN**  
SCALE: 1" = 50'

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|-----------|------------------------|-----------|-----|
| NO.       | DESCRIPTION            | DATE      | APR |
| 0         | READY FOR CONSTRUCTION | 2/12/2021 | LB  |



DESIGNED BY: *Lesley Brooks* 02/08/21  
DATE

SANTA BARBARA COUNTY  
FLOOD CONTROL AND  
WATER CONSERVATION DISTRICT  
130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
(805) 568-3440

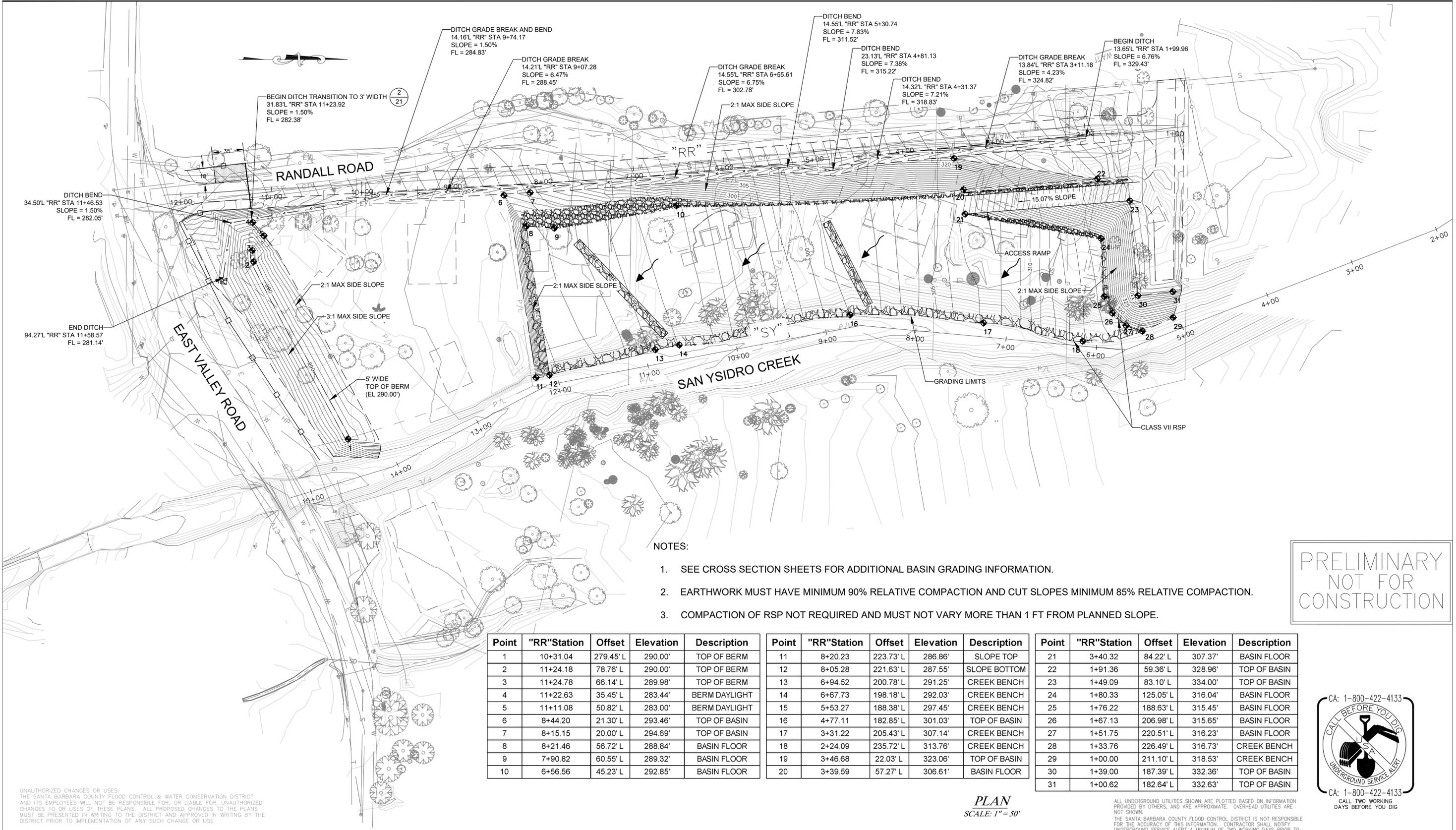


RANDALL ROAD DEBRIS  
BASIN PROJECT  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

**LAYOUT PLAN**

DESIGNED BY:  
LB  
DRAWN BY:  
JY  
CHECKED BY:  
HBL

**O-1151**  
SHEET 8 OF 35  
Filename: Randall Road DB Plans.DWG



**NOTES:**

1. SEE CROSS SECTION SHEETS FOR ADDITIONAL BASIN GRADING INFORMATION.
2. EARTHWORK MUST HAVE MINIMUM 90% RELATIVE COMPACTION AND CUT SLOPES MINIMUM 85% RELATIVE COMPACTION.
3. COMPACTION OF RSP NOT REQUIRED AND MUST NOT VARY MORE THAN 1 FT FROM PLANNED SLOPE.

PRELIMINARY  
NOT FOR  
CONSTRUCTION

| Point | "RR"Station | Offset    | Elevation | Description   |
|-------|-------------|-----------|-----------|---------------|
| 1     | 10+31.04    | 279.45' L | 290.00'   | TOP OF BERM   |
| 2     | 11+24.18    | 78.76' L  | 290.00'   | TOP OF BERM   |
| 3     | 11+24.78    | 66.14' L  | 289.98'   | TOP OF BERM   |
| 4     | 11+22.63    | 35.45' L  | 283.44'   | BERM DAYLIGHT |
| 5     | 11+11.08    | 50.82' L  | 283.00'   | BERM DAYLIGHT |
| 6     | 8+44.20     | 21.30' L  | 293.46'   | TOP OF BASIN  |
| 7     | 8+15.15     | 20.00' L  | 294.69'   | TOP OF BASIN  |
| 8     | 8+21.46     | 56.72' L  | 288.84'   | BASIN FLOOR   |
| 9     | 7+90.82     | 60.55' L  | 289.32'   | BASIN FLOOR   |
| 10    | 6+56.56     | 45.23' L  | 292.85'   | BASIN FLOOR   |

| Point | "RR"Station | Offset    | Elevation | Description  |
|-------|-------------|-----------|-----------|--------------|
| 11    | 8+20.23     | 223.73' L | 286.86'   | SLOPE TOP    |
| 12    | 8+05.28     | 221.63' L | 287.55'   | SLOPE BOTTOM |
| 13    | 6+94.52     | 200.78' L | 291.25'   | CREEK BENCH  |
| 14    | 6+67.73     | 198.18' L | 292.03'   | CREEK BENCH  |
| 15    | 5+53.27     | 188.38' L | 297.45'   | CREEK BENCH  |
| 16    | 4+77.11     | 182.85' L | 301.03'   | TOP OF BASIN |
| 17    | 3+31.22     | 205.43' L | 307.14'   | CREEK BENCH  |
| 18    | 2+24.09     | 235.72' L | 313.76'   | CREEK BENCH  |
| 19    | 3+46.68     | 22.03' L  | 323.06'   | TOP OF BASIN |
| 20    | 3+39.59     | 57.27' L  | 306.61'   | BASIN FLOOR  |

| Point | "RR"Station | Offset    | Elevation | Description  |
|-------|-------------|-----------|-----------|--------------|
| 21    | 3+40.32     | 84.22' L  | 307.37'   | BASIN FLOOR  |
| 22    | 1+91.36     | 59.36' L  | 328.96'   | TOP OF BASIN |
| 23    | 1+49.09     | 83.10' L  | 334.00'   | TOP OF BASIN |
| 24    | 1+80.33     | 125.05' L | 316.04'   | BASIN FLOOR  |
| 25    | 1+76.22     | 188.63' L | 315.45'   | BASIN FLOOR  |
| 26    | 1+67.13     | 206.98' L | 315.65'   | BASIN FLOOR  |
| 27    | 1+51.75     | 220.51' L | 316.23'   | BASIN FLOOR  |
| 28    | 1+33.76     | 226.49' L | 316.73'   | CREEK BENCH  |
| 29    | 1+00.00     | 211.10' L | 318.53'   | CREEK BENCH  |
| 30    | 1+39.00     | 187.39' L | 332.36'   | TOP OF BASIN |
| 31    | 1+00.62     | 182.64' L | 332.63'   | TOP OF BASIN |

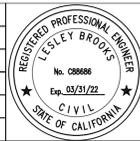
*PLAN*  
SCALE: 1" = 50'

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| REVISIONS |                        |           |     |
|-----------|------------------------|-----------|-----|
| NO.       | DESCRIPTION            | DATE      | APR |
| 0         | READY FOR CONSTRUCTION | 2/12/2021 | LB  |



DESIGNED BY: *Lesley Brooks* 02/08/21  
DATE

SANTA BARBARA COUNTY  
FLOOD CONTROL AND  
WATER CONSERVATION DISTRICT  
130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
(805) 568-3440



RANDALL ROAD DEBRIS  
BASIN PROJECT  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

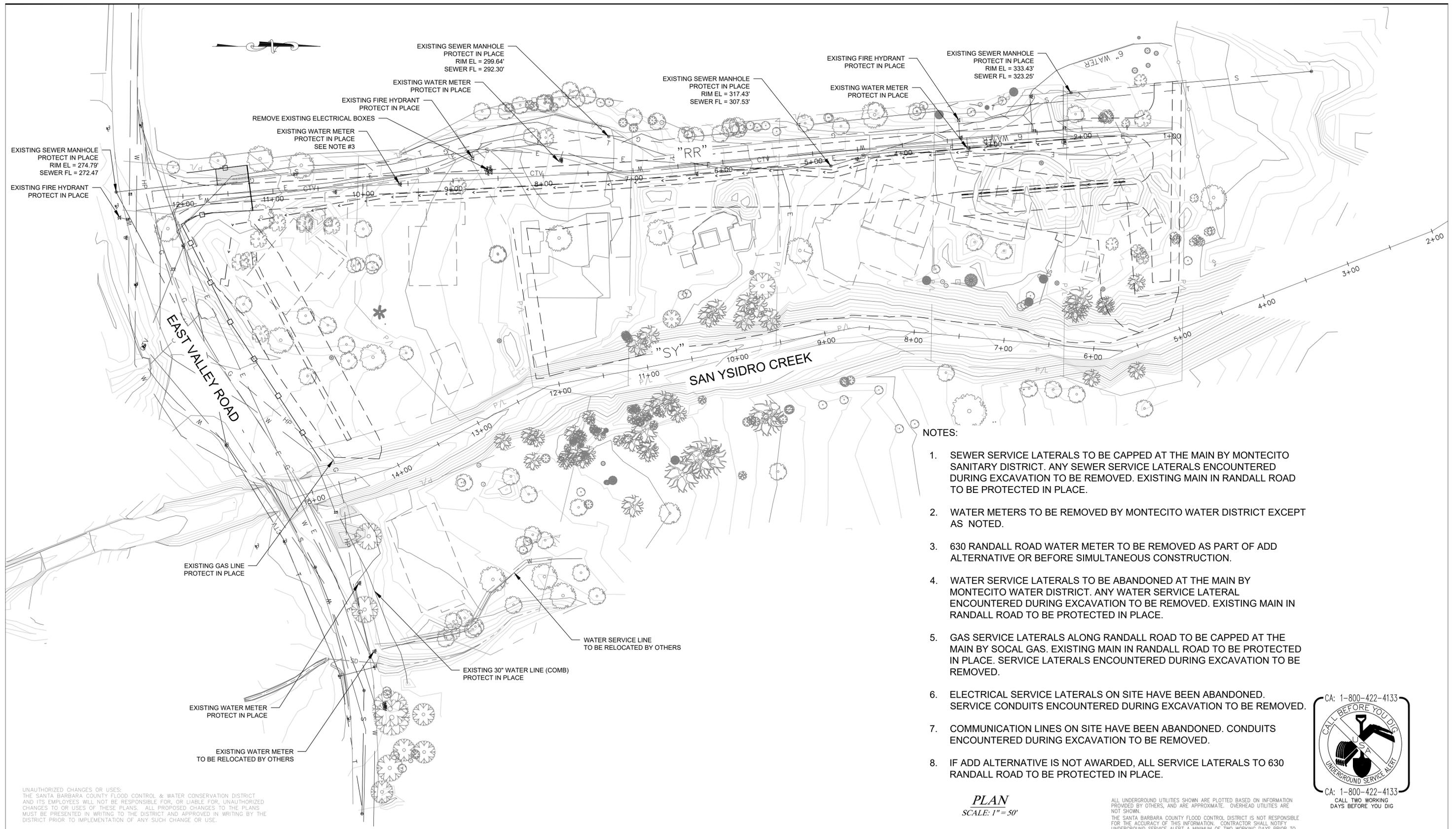
## GRADING PLAN

DESIGNED BY:  
LB  
DRAWN BY:  
JY  
CHECKED BY:  
HBL

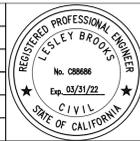
# O-1151

SHEET 9 OF 35

Filename: Randall Road DB Plans.DWG



| REVISIONS |                        |           |     |
|-----------|------------------------|-----------|-----|
| NO.       | DESCRIPTION            | DATE      | APR |
| 0         | READY FOR CONSTRUCTION | 2/12/2021 | LB  |



DESIGNED BY: *Leslie Brooks* 02/08/21  
WRECO DATE

SANTA BARBARA COUNTY  
FLOOD CONTROL AND  
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130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
(805) 568-3440



RANDALL ROAD DEBRIS  
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AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

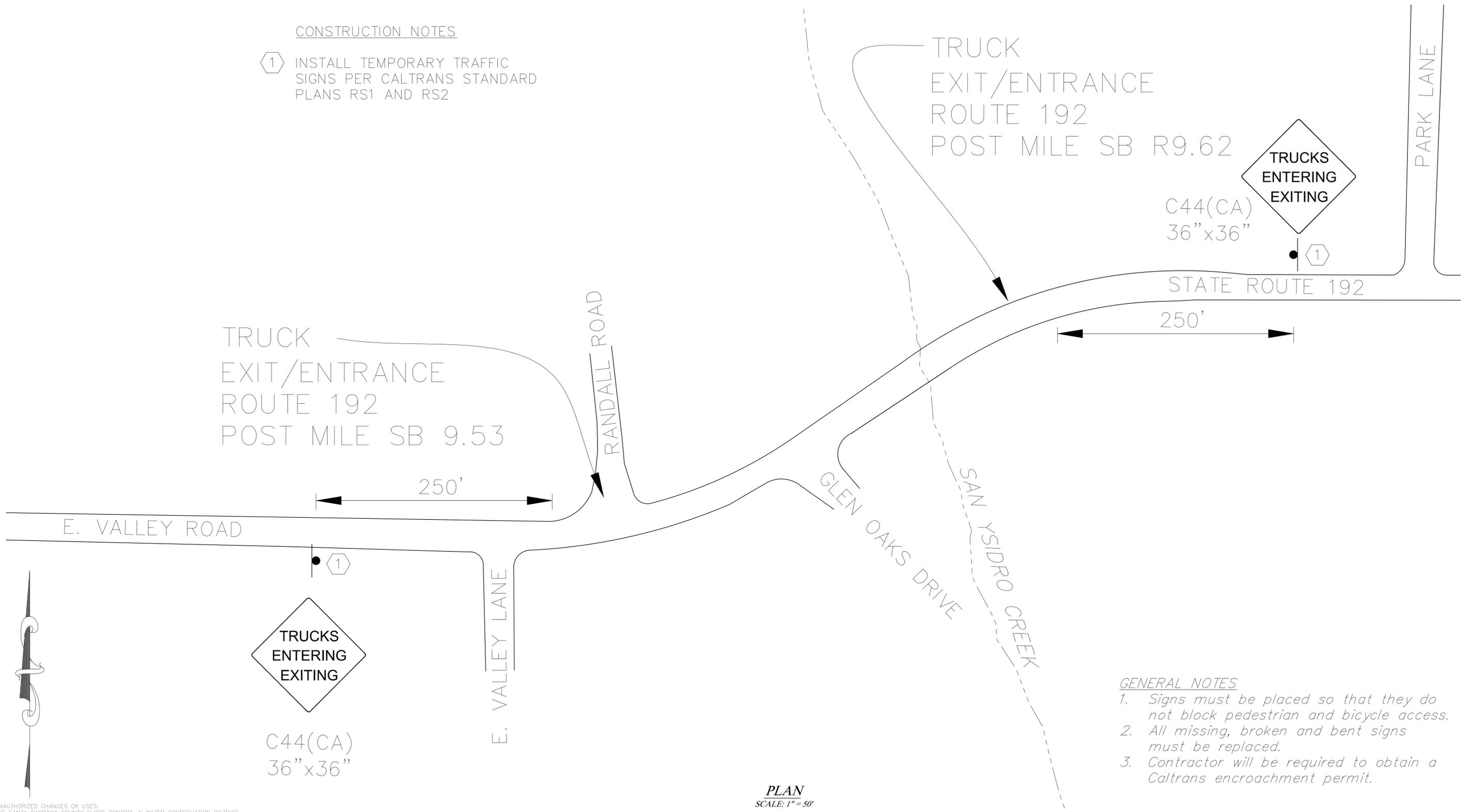
**UTILITY PLAN**

DESIGNED BY:  
LB  
DRAWN BY:  
JY  
CHECKED BY:  
HBL

**O-1151**  
SHEET 10 OF 35  
Filename: Randall Road DB Plans.DWG

CONSTRUCTION NOTES

- 1 INSTALL TEMPORARY TRAFFIC SIGNS PER CALTRANS STANDARD PLANS RS1 AND RS2



- GENERAL NOTES
1. Signs must be placed so that they do not block pedestrian and bicycle access.
  2. All missing, broken and bent signs must be replaced.
  3. Contractor will be required to obtain a Caltrans encroachment permit.

PLAN  
SCALE: 1" = 50'

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|-----------|------------------------|-----------|-----|
| NO.       | DESCRIPTION            | DATE      | APR |
| 0         | READY FOR CONSTRUCTION | 2/12/2021 | JF  |



|                                   |       |
|-----------------------------------|-------|
| REVIEWED BY:                      | DATE: |
| FLOOD CONTROL ENGINEERING MANAGER |       |

SANTA BARBARA COUNTY  
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WATER CONSERVATION DISTRICT  
130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
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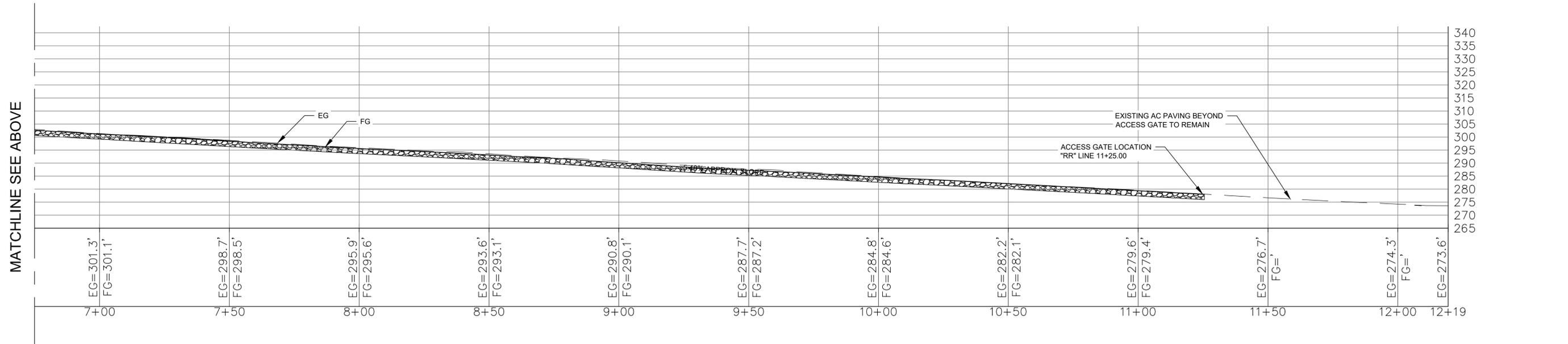
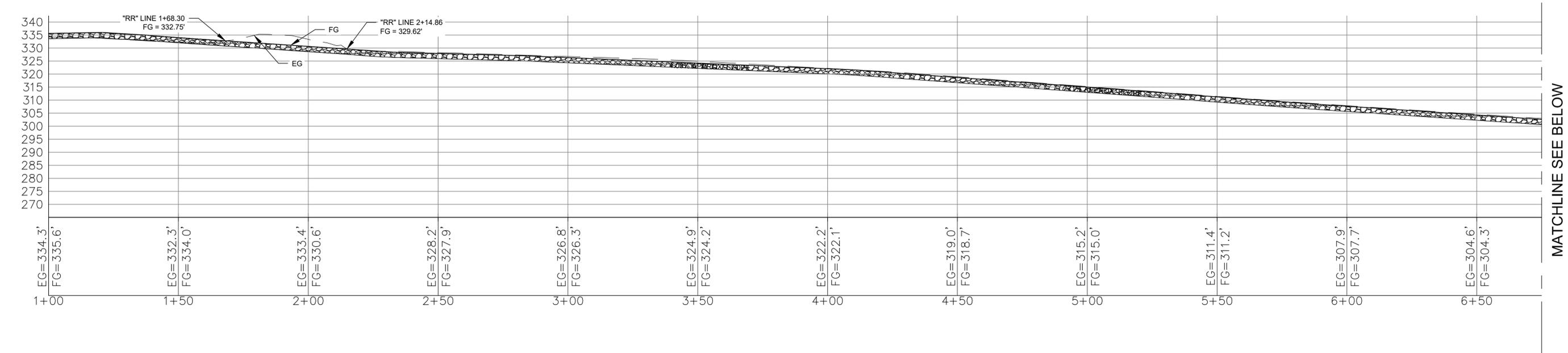
RANDALL ROAD DEBRIS  
BASIN PROJECT  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

**TRAFFIC  
SIGN PLAN**

|              |    |                                      |
|--------------|----|--------------------------------------|
| DESIGNED BY: | JF | <b>O-1151</b>                        |
| DRAWN BY:    | JM |                                      |
| CHECKED BY:  | JF |                                      |
|              |    | SHEET 11 OF 35                       |
|              |    | Filename: RandallDB_TrafficSigns.DWG |

NOTES:

1. PROPOSED RANDALL ROAD SURFACE AT WESTERN EDGE OF PROPOSED ROADWAY TO MATCH EXISTING SURFACE WITHIN +/- 4 INCHES.
2. REMOVE EXISTING RANDALL ROAD AC PAVEMENT AND SUB BASE TO A DEPTH OF 2 FEET WITHIN PROPOSED ALIGNMENT.
3. ADJUST UTILITY COVERS TO GRADE.
4. EXISTING UTILITIES TO BE FIELD VERIFIED FOR DEPTH AND LOCATION.



**RANDALL ROAD ("RR" LINE) PROFILE**

SCALE: 1" = 20' HORIZONTAL  
1" = 20' VERTICAL

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|-----------|------------------------|-----------|-----|
| NO.       | DESCRIPTION            | DATE      | APR |
| 0         | READY FOR CONSTRUCTION | 2/12/2021 | LB  |



DESIGNED BY: *Lesley Brooks* 02/08/21  
DATE

SANTA BARBARA COUNTY  
FLOOD CONTROL AND  
WATER CONSERVATION DISTRICT  
130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
(805) 568-3440



RANDALL ROAD DEBRIS  
BASIN PROJECT  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

**PROFILE**

DESIGNED BY: LB  
DRAWN BY: JY  
CHECKED BY: HBL

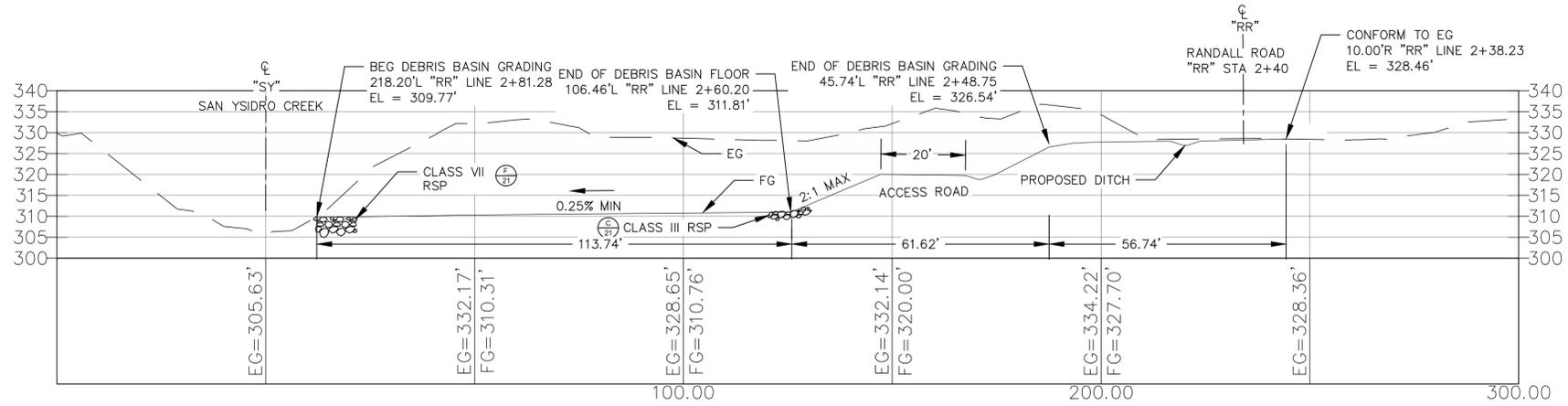
**O-1151**

SHEET 12 OF 35

Filename: Randall Road DB Plans.DWG

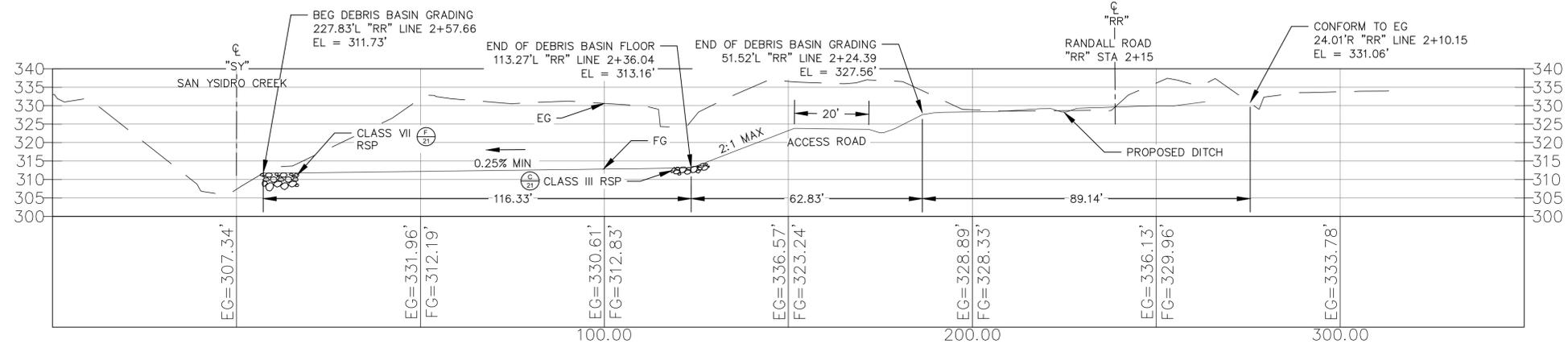
NOTES:

- SEE SHEET 3 FOR RANDALL ROAD AND ACCESS ROAD CROSS SLOPES.
- SEE SHEET 21 FOR RSP CONSTRUCTION DETAILS.



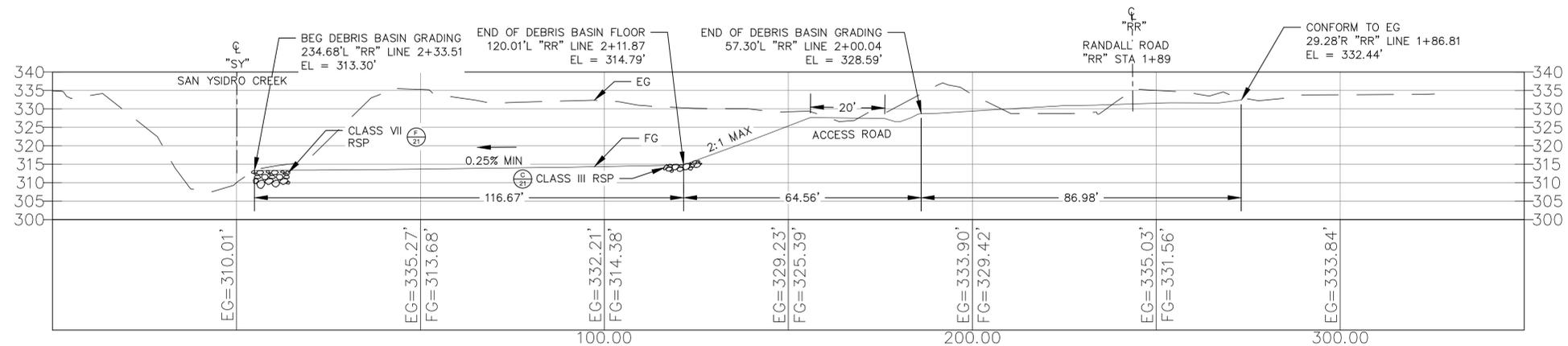
"SY" 6+75

SCALE: 1" = 20' HORIZONTAL  
1" = 20' VERTICAL



"SY" 6+50

SCALE: 1" = 20' HORIZONTAL  
1" = 20' VERTICAL



"SY" 6+25

SCALE: 1" = 20' HORIZONTAL  
1" = 20' VERTICAL

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| REVISIONS |                        |           |     |
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| NO.       | DESCRIPTION            | DATE      | APR |
| 0         | READY FOR CONSTRUCTION | 2/12/2021 | LB  |



DESIGNED BY: *Leslie Brooks* 02/08/21  
DATE

SANTA BARBARA COUNTY  
FLOOD CONTROL AND  
WATER CONSERVATION DISTRICT  
130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
(805) 568-3440



RANDALL ROAD DEBRIS  
BASIN PROJECT  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

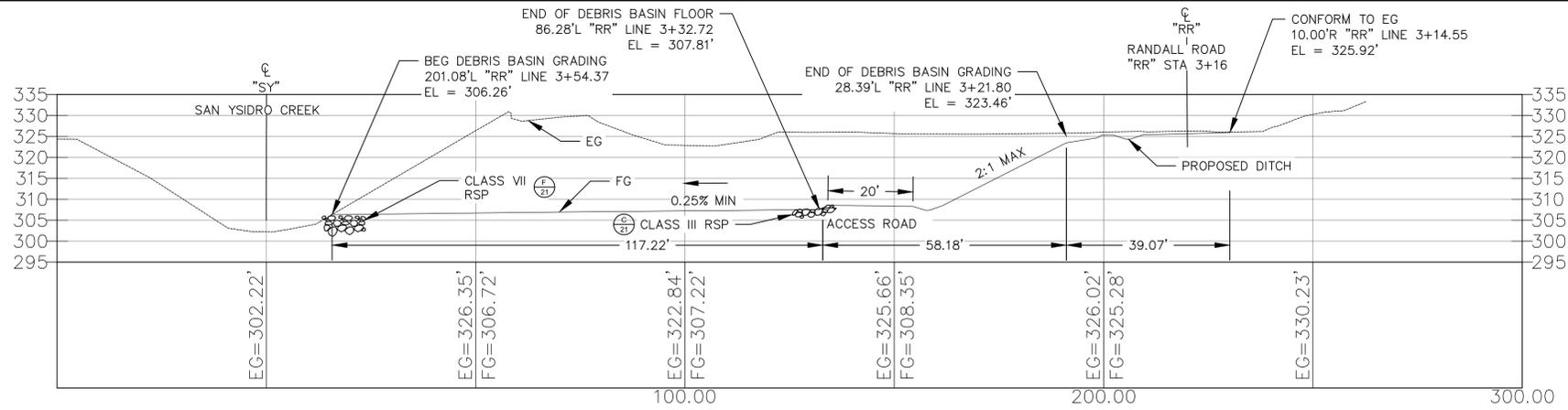
X-SECTIONS

DESIGNED BY: LB  
DRAWN BY: JY  
CHECKED BY: HBL

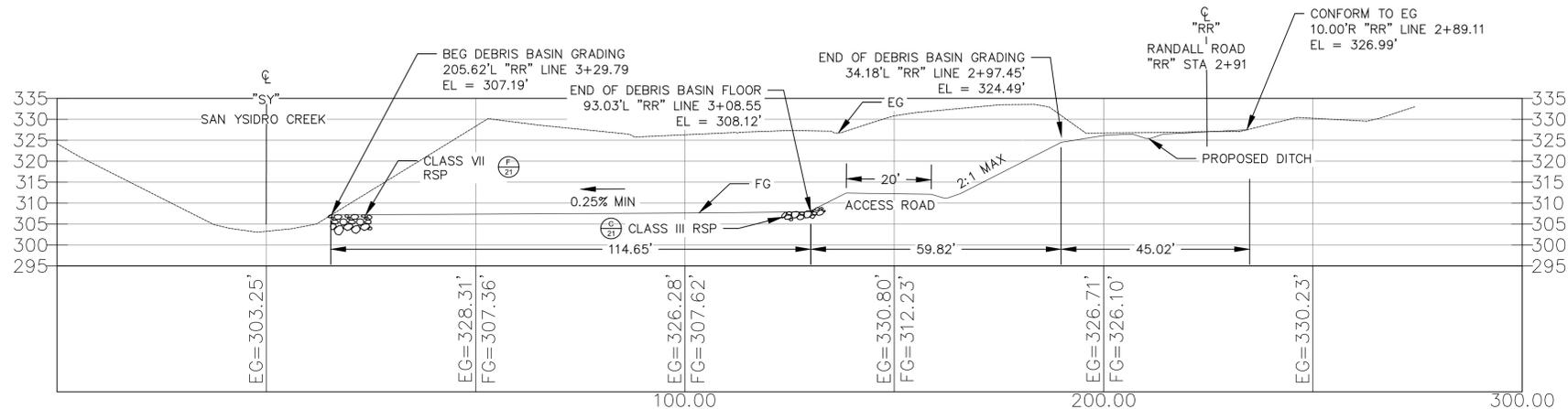
O-1151  
SHEET 13 OF 35  
Filename: Randall Road DB Plans.DWG

NOTES:

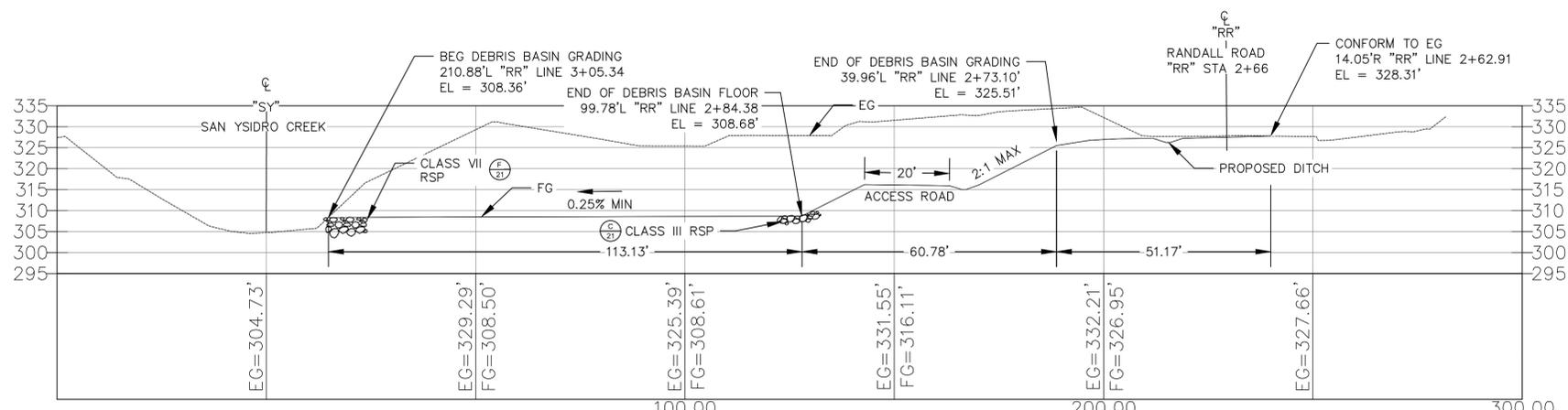
1. SEE SHEET 3 FOR RANDALL ROAD AND ACCESS ROAD CROSS SLOPES.
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"SY" 7+50  
SCALE: 1" = 20' HORIZONTAL  
1" = 20' VERTICAL



"SY" 7+25  
SCALE: 1" = 20' HORIZONTAL  
1" = 20' VERTICAL



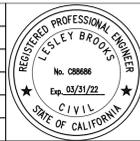
"SY" 7+00  
SCALE: 1" = 20' HORIZONTAL  
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WRECO DATE

SANTA BARBARA COUNTY  
FLOOD CONTROL AND  
WATER CONSERVATION DISTRICT  
130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
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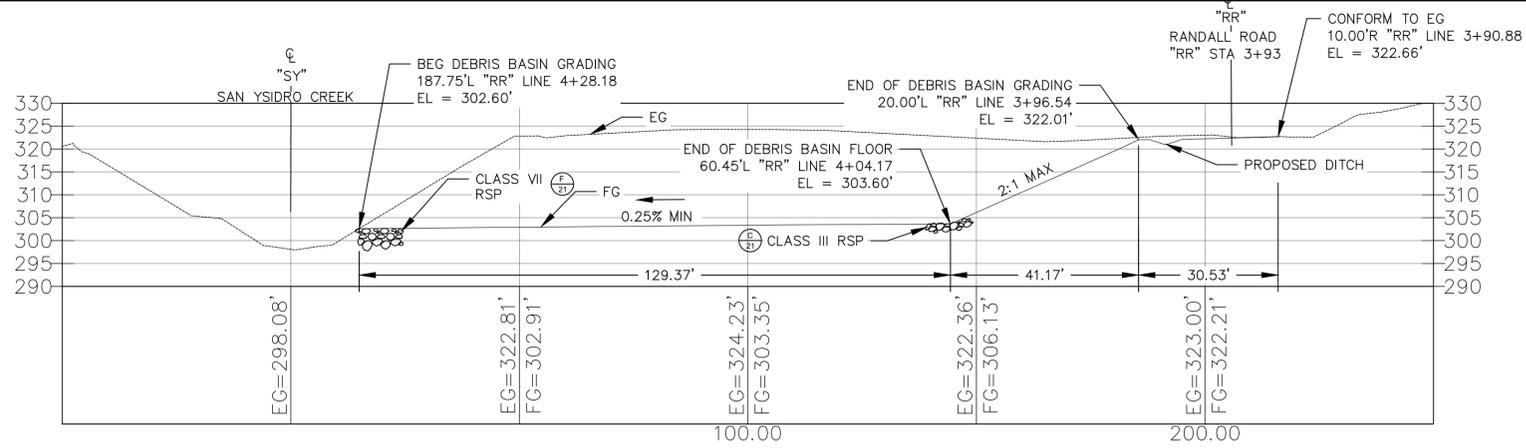
RANDALL ROAD DEBRIS  
BASIN PROJECT  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

X-SECTIONS

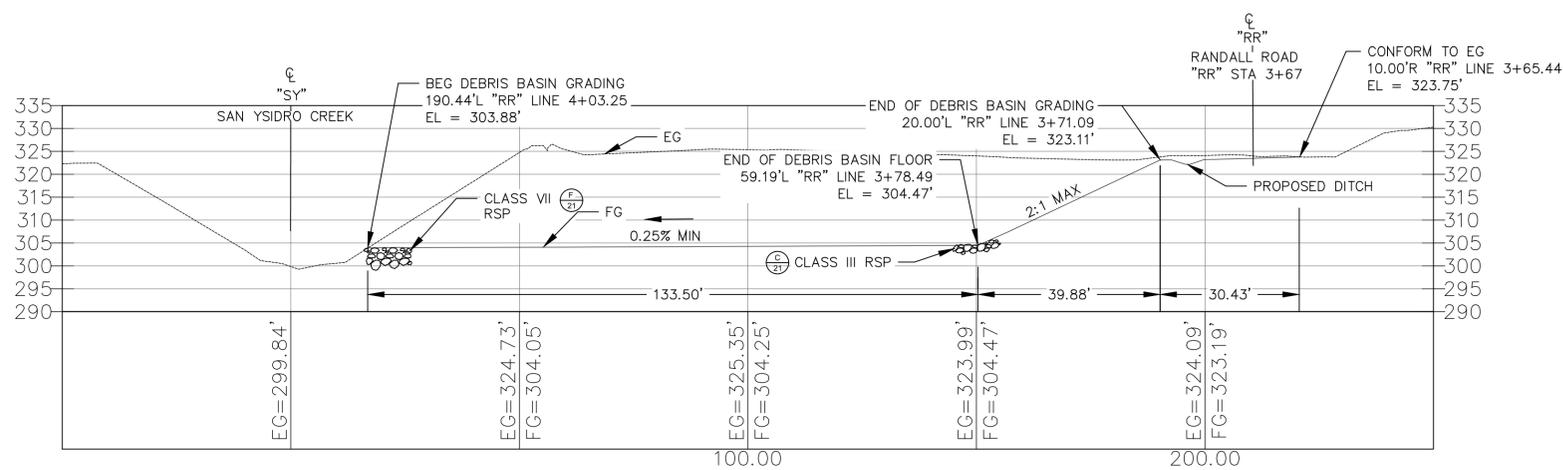
DESIGNED BY: LB  
DRAWN BY: JY  
CHECKED BY: HBL  
O-1151  
SHEET 14 OF 35  
Filename: Randall Road DB Plans.DWG

NOTES:

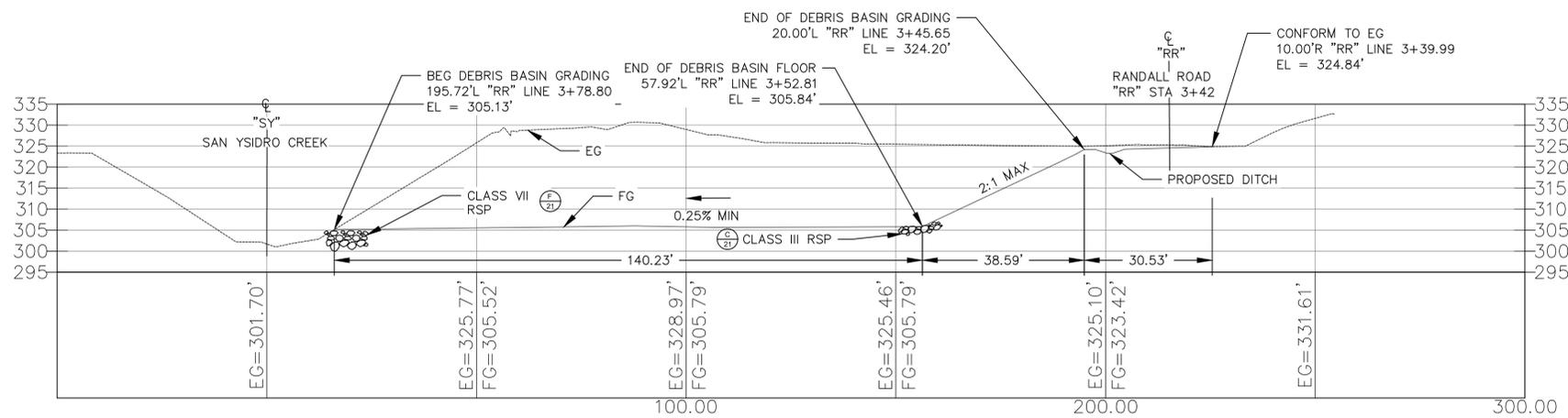
1. SEE SHEET 3 FOR RANDALL ROAD CROSS SLOPES.
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"SY" 8+25  
SCALE: 1" = 20' HORIZONTAL  
1" = 20' VERTICAL



"SY" 8+00  
SCALE: 1" = 20' HORIZONTAL  
1" = 20' VERTICAL



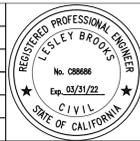
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SCALE: 1" = 20' HORIZONTAL  
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DESIGNED BY: *Lesley Brooks* 02/08/21  
DATE: 02/08/21  
WRECO

SANTA BARBARA COUNTY  
FLOOD CONTROL AND  
WATER CONSERVATION DISTRICT  
130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
(805) 568-3440



RANDALL ROAD DEBRIS  
BASIN PROJECT  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

**X-SECTIONS**

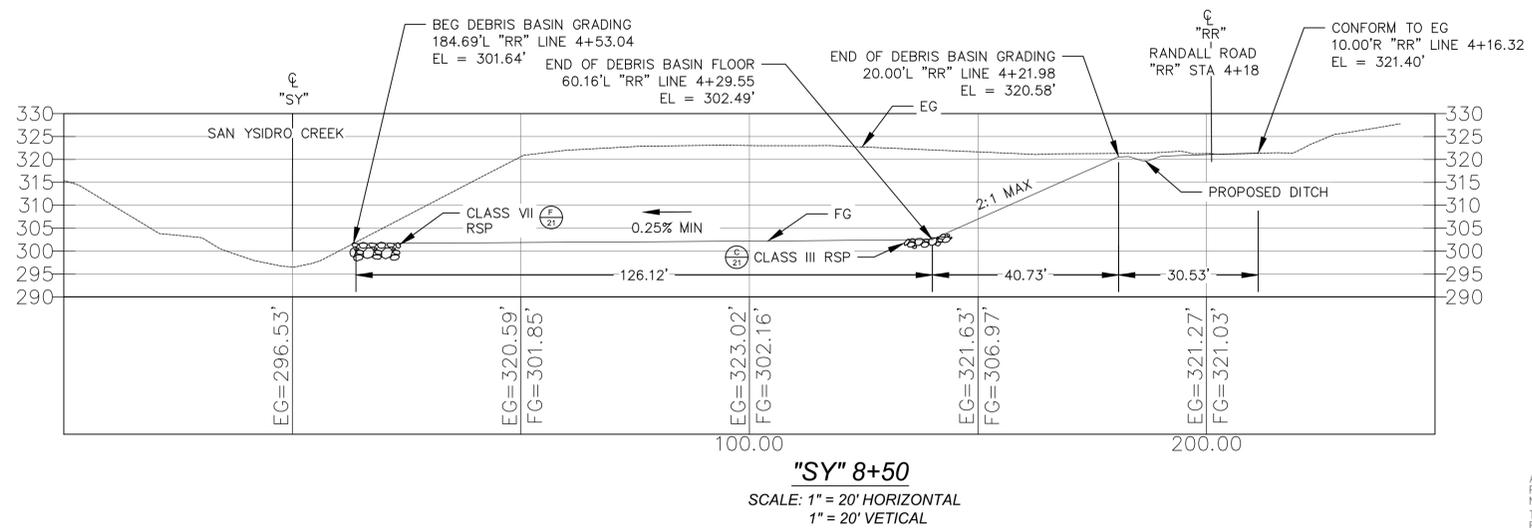
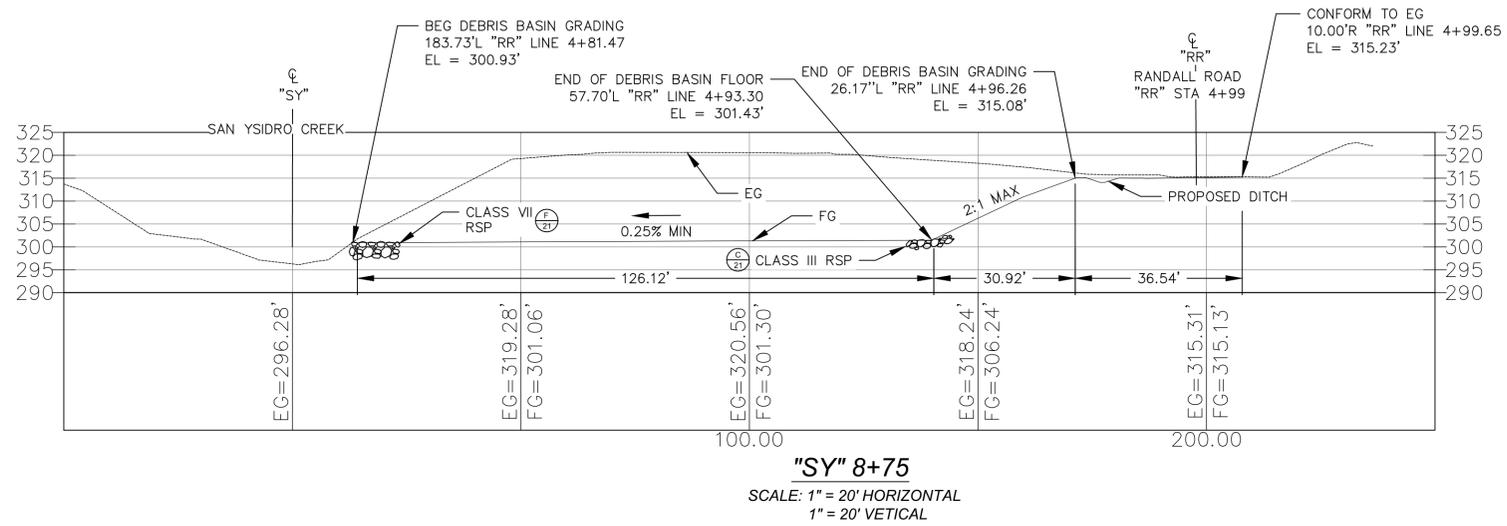
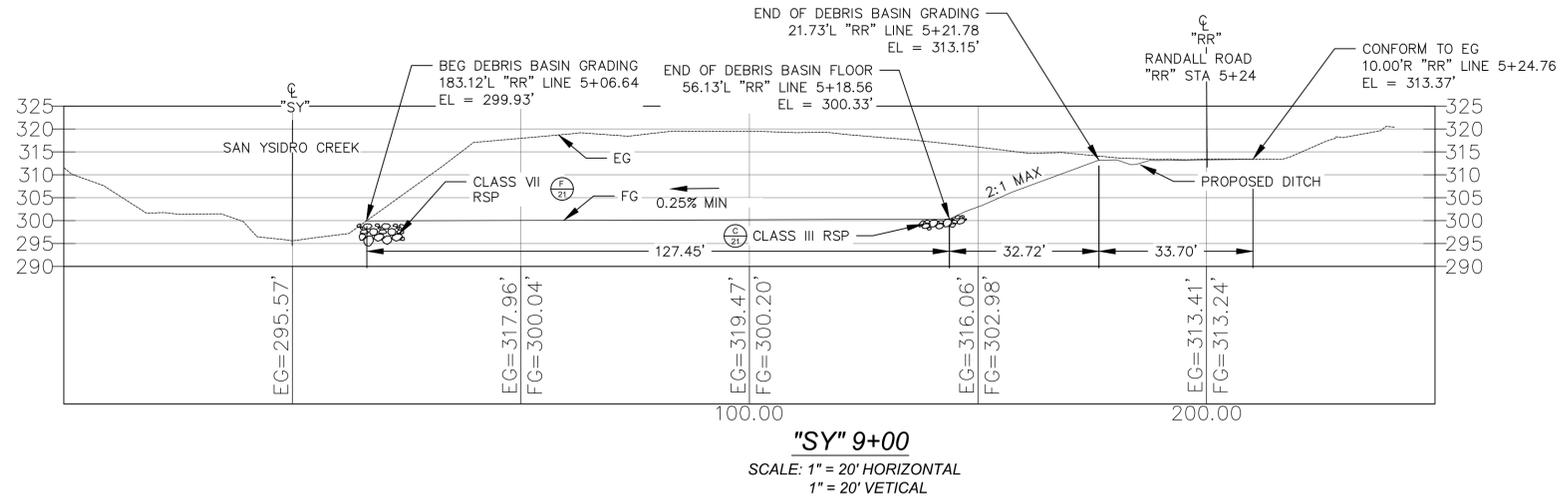
DESIGNED BY: LB  
DRAWN BY: JY  
CHECKED BY: HBL  
Filename: Randall Road DB Plans.DWG

**O-1151**

SHEET 15 OF 35

NOTES:

1. SEE SHEET 3 FOR RANDALL ROAD CROSS SLOPES.
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| WRECO                             | DATE     |

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FLOOD CONTROL AND  
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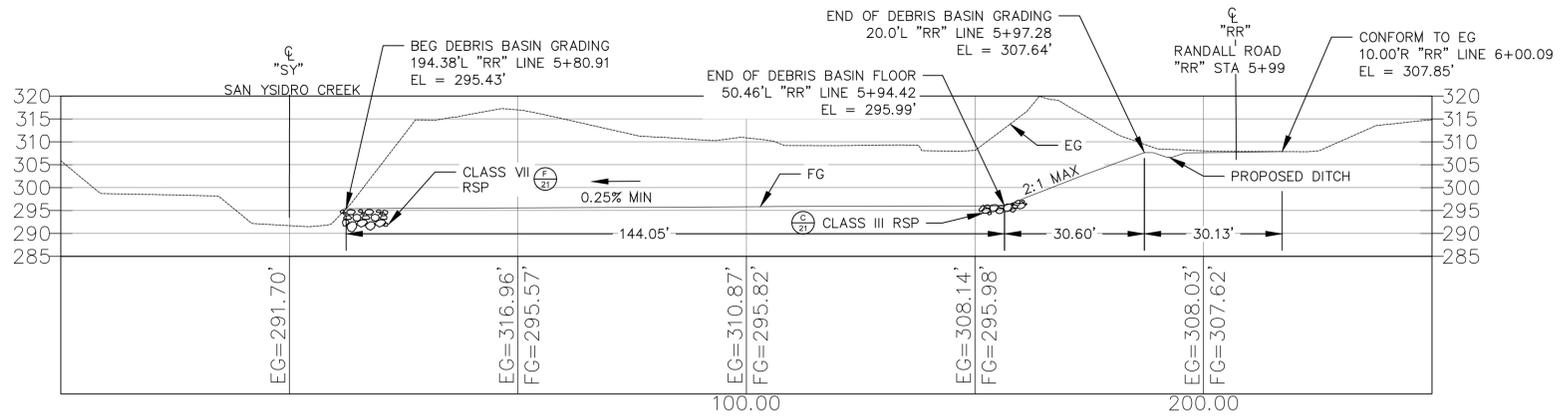
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**X-SECTIONS**

|                                     |               |
|-------------------------------------|---------------|
| DESIGNED BY:<br>LB                  | <b>O-1151</b> |
| DRAWN BY:<br>JY                     |               |
| CHECKED BY:<br>HBL                  |               |
| SHEET 16 OF 36                      |               |
| Filename: Randall Road DB Plans.DWG |               |

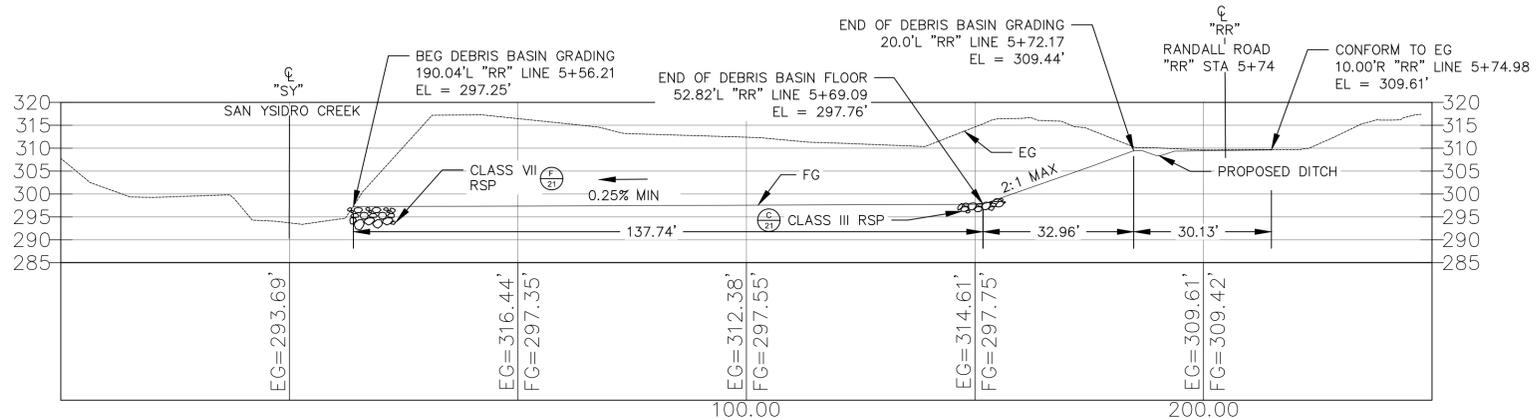
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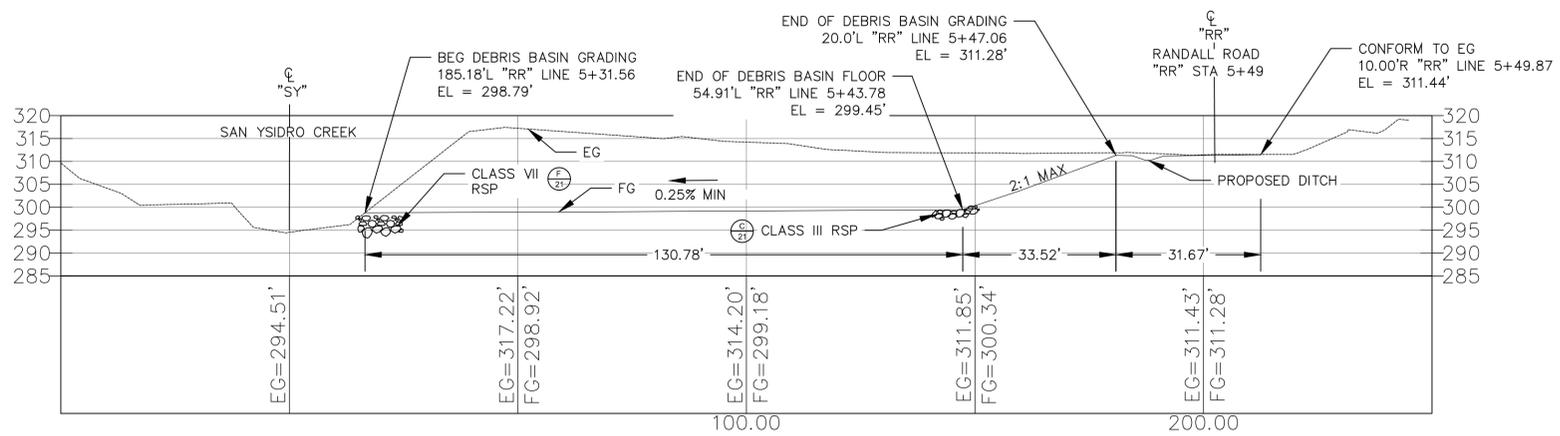
"SY" 9+75

SCALE: 1" = 20' HORIZONTAL  
1" = 20' VERTICAL



"SY" 9+50

SCALE: 1" = 20' HORIZONTAL  
1" = 20' VERTICAL



"SY" 9+25

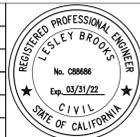
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RANDALL ROAD DEBRIS  
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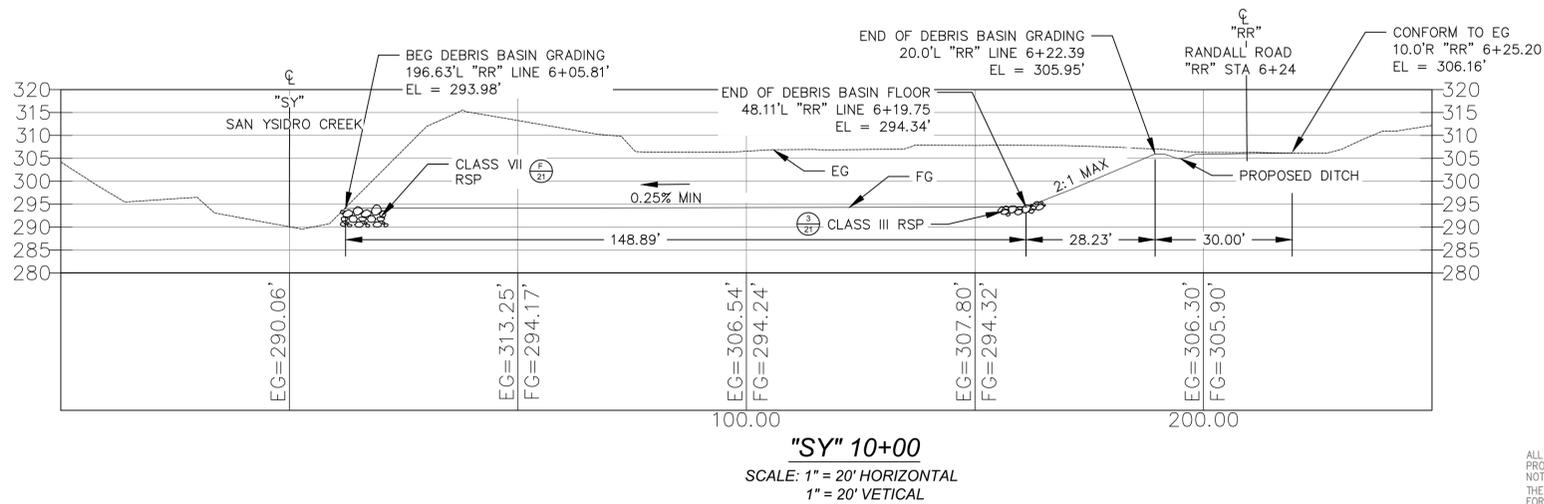
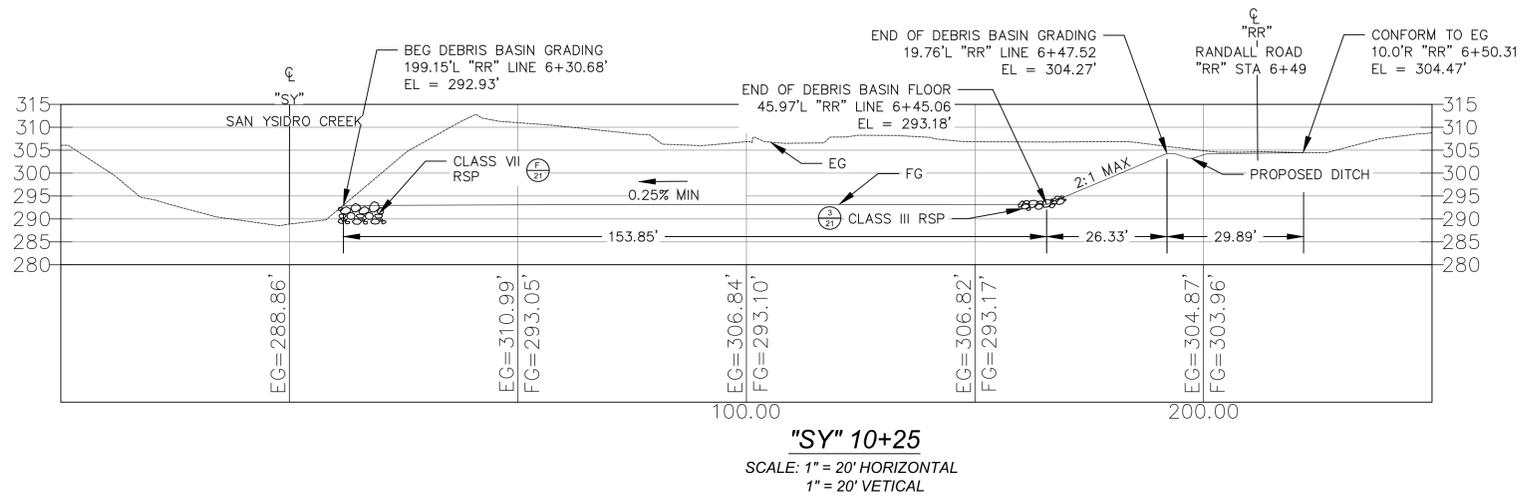
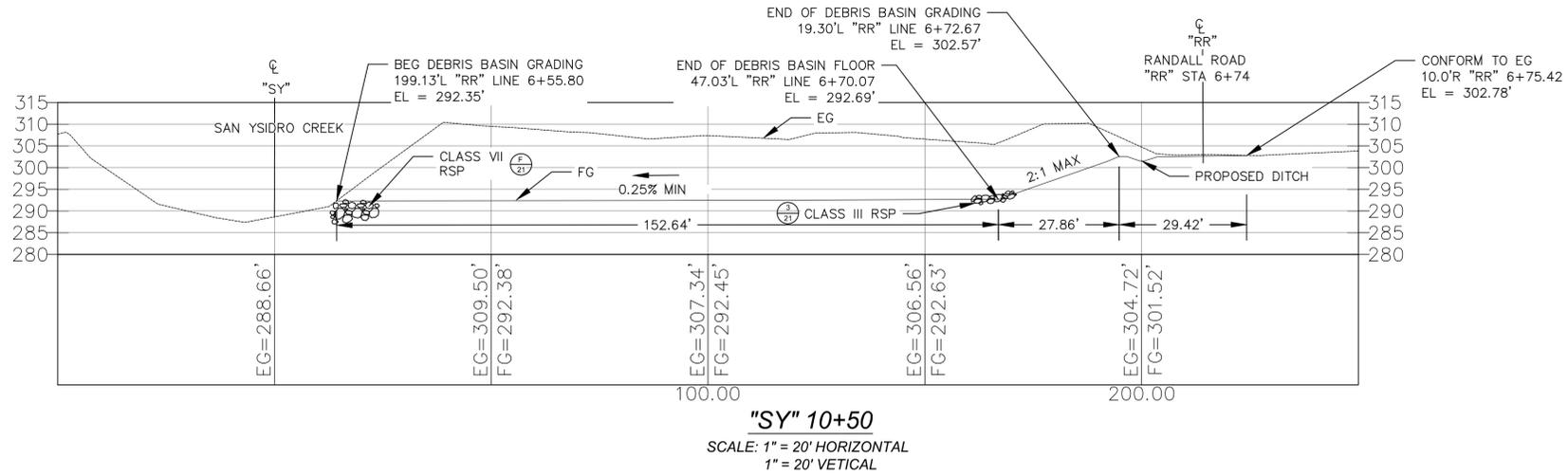
X-SECTIONS

DESIGNED BY: LB  
DRAWN BY: JY  
CHECKED BY: HBL  
SHEET 17 OF 35  
Filename: Randall Road DB Plans.DWG

O-1151

NOTES:

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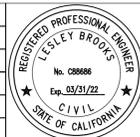


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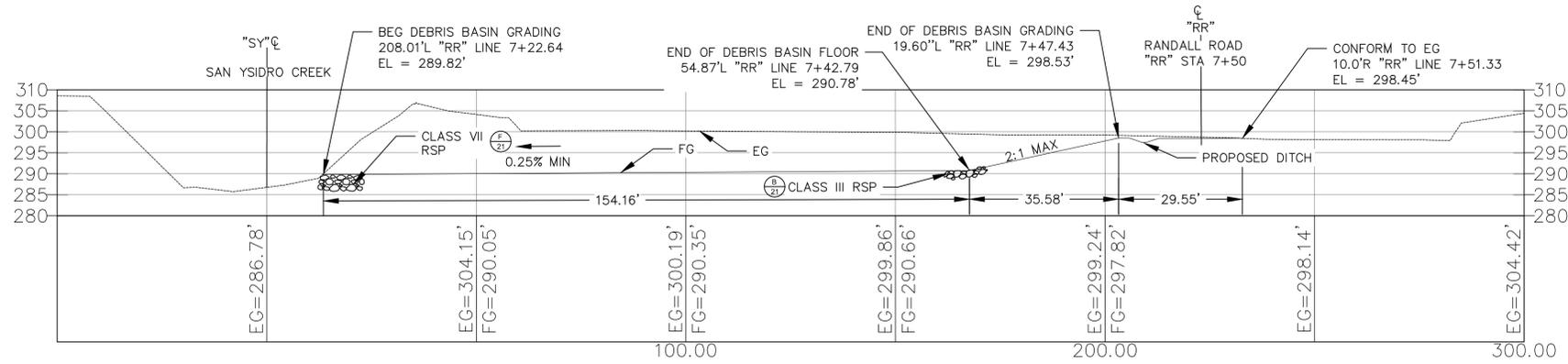
RANDALL ROAD DEBRIS  
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**X-SECTIONS**

|   |               |
|---|---------------|
| DESIGNED BY:<br>LB                                    | <b>O-1151</b> |
| DRAWN BY:<br>JY                                       |               |
| CHECKED BY:<br>HBL                                    |               |
| SHEET 18 OF 35<br>Filename: Randall Road DB Plans.DWG |               |

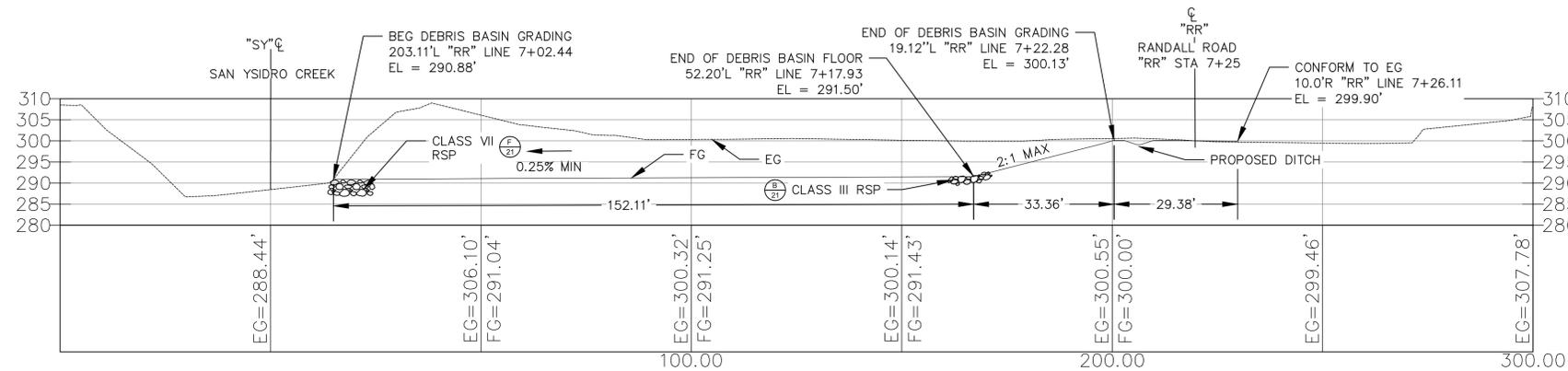
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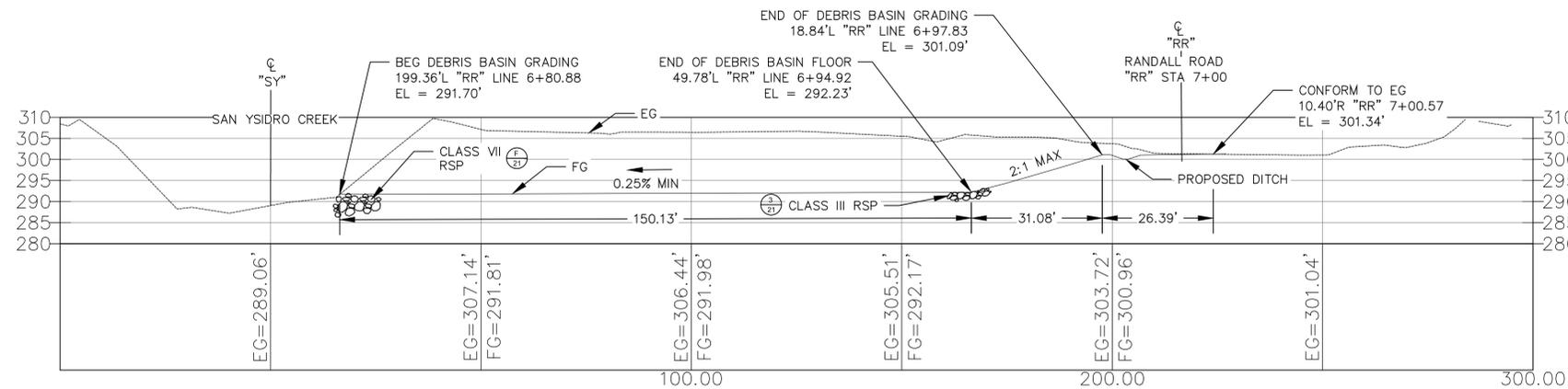
"SY" 11+25

SCALE: 1" = 20' HORIZONTAL  
1" = 20' VERTICAL



"SY" 11+00

SCALE: 1" = 20' HORIZONTAL  
1" = 20' VERTICAL



"SY" 10+75

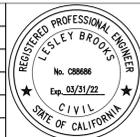
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| WRECO                             | DATE     |

SANTA BARBARA COUNTY  
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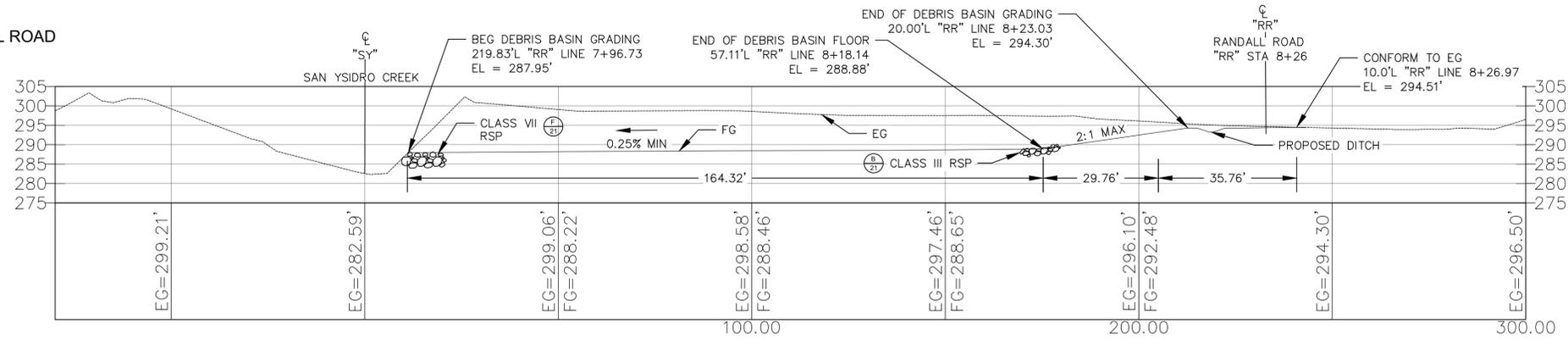
RANDALL ROAD DEBRIS  
BASIN PROJECT  
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SANTA BARBARA COUNTY, CALIFORNIA

X-SECTIONS

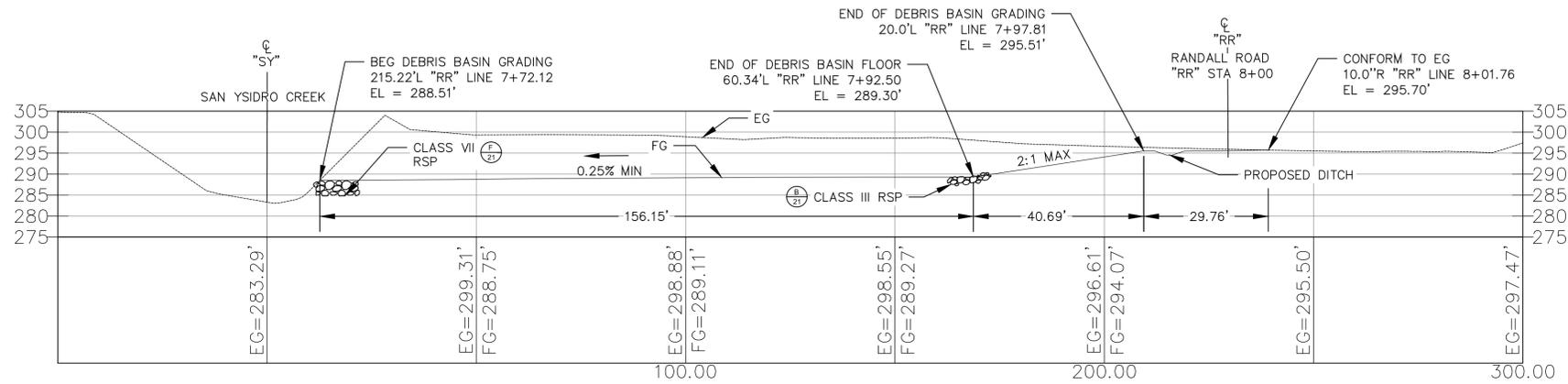
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|-------------------------------------|---------------|
| DESIGNED BY:<br>LB                  | <b>O-1151</b> |
| DRAWN BY:<br>JY                     |               |
| CHECKED BY:<br>HBL                  |               |
| SHEET 19 OF 35                      |               |
| Filename: Randall Road DB Plans.DWG |               |

NOTES:

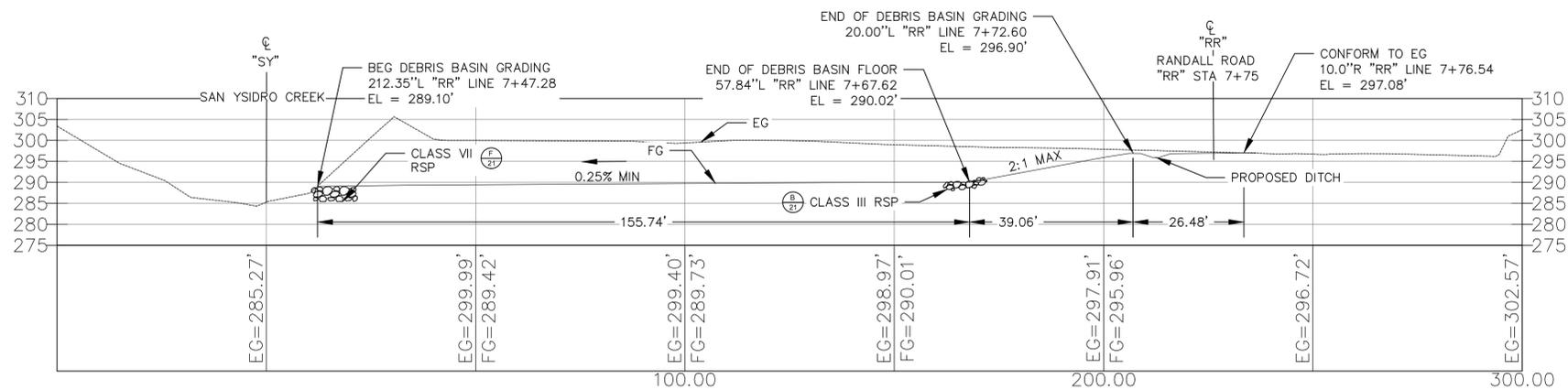
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"SY" 12+00  
SCALE: 1" = 20' HORIZONTAL  
1" = 20' VERTICAL



"SY" 11+75  
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DESIGNED BY: *Lesley Brooks* 02/08/21  
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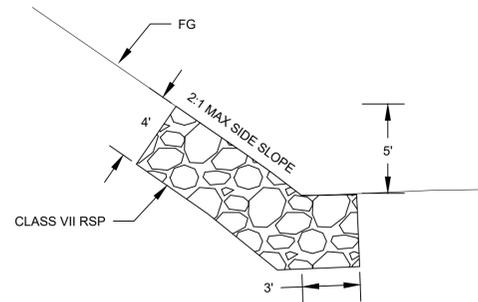
SANTA BARBARA COUNTY  
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(805) 568-3440



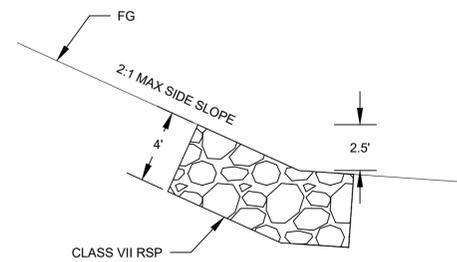
RANDALL ROAD DEBRIS  
BASIN PROJECT  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

X-SECTIONS

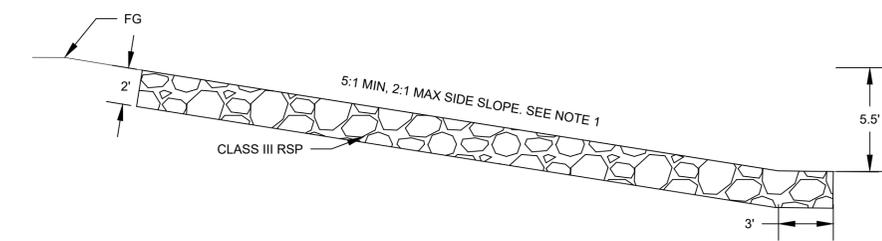
DESIGNED BY: LB  
DRAWN BY: JY  
CHECKED BY: HBL  
O-1151  
SHEET 20 OF 35  
Filename: Randall Road DB Plans.DWG



**A**  
21 **A-A BASIN SOUTHERN END RSP**  
NOT TO SCALE

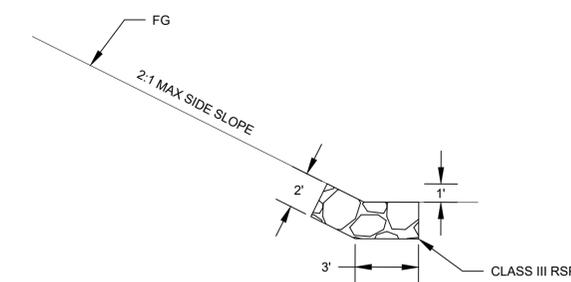


**D**  
21 **D-D BASIN NORTHERN END RSP**  
NOT TO SCALE

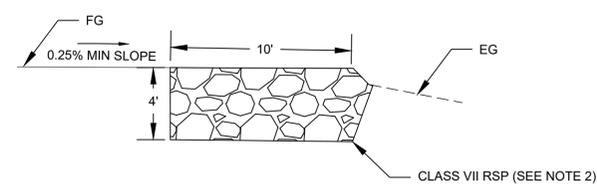


**B**  
21 **B-B BASIN LOWER SIDE SLOPE RSP**  
NOT TO SCALE

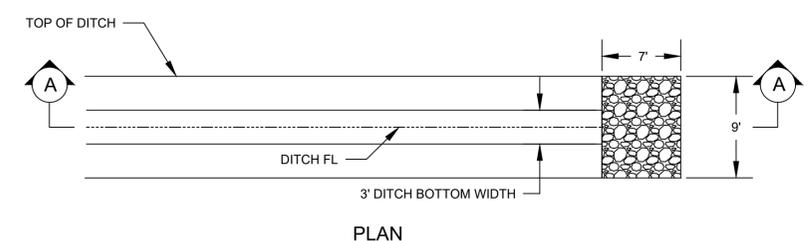
- NOTES:
- SECTION B-B SIDE SLOPE RANGES FROM 5:1 MIN TO 2:1 MAX, BETWEEN "RR" 6+50 TO "RR" 8+50
  - EXISTING STREAMBED MATERIAL AT THE BENCHING ELEVATION SHALL REMAIN IN PLACE IF DEEMED SUITABLE BY COUNTY ENVIRONMENTAL WITHIN DIRECTED LIMITS IN PLACE OF CLASS VII RSP.



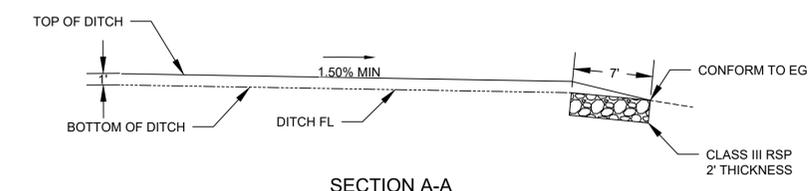
**C**  
21 **C-C BASIN UPPER SIDE SLOPE RSP**  
NOT TO SCALE



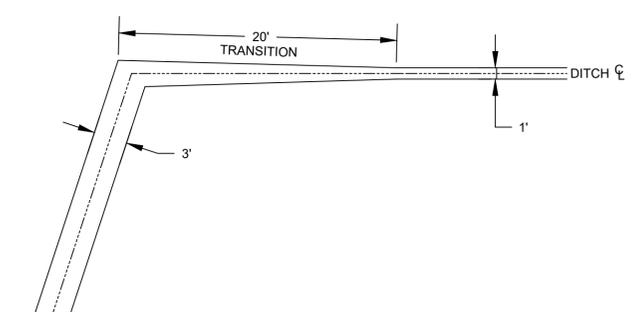
**E**  
21 **E-E BENCHING AT CREEK RSP**  
NOT TO SCALE



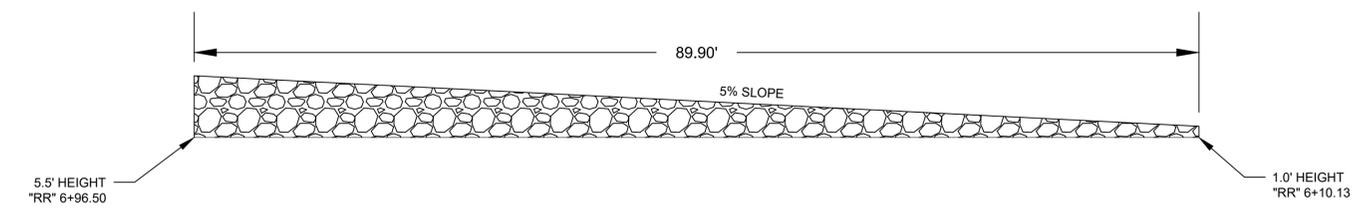
**1**  
21 **RSP AT DITCH OUTFALL DETAIL**  
NOT TO SCALE



**1**  
21 **RSP AT DITCH OUTFALL DETAIL**  
NOT TO SCALE



**2**  
21 **DITCH TRANSITION DETAIL**  
NOT TO SCALE



**3**  
21 **RSP TRANSITION B-B TO C-C DETAIL**  
NOT TO SCALE

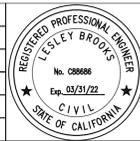
**BASIN ROCK SLOPE PROTECTION DETAILS**

UNAUTHORIZED CHANGES OR USES:  
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| REVISIONS |                        |           |     |
|-----------|------------------------|-----------|-----|
| NO.       | DESCRIPTION            | DATE      | APR |
| 0         | READY FOR CONSTRUCTION | 2/12/2021 | LB  |



|                                   |          |
|-----------------------------------|----------|
| DESIGNED BY: <i>Lesley Brooks</i> | 02/08/21 |
| WRECO                             | DATE     |

SANTA BARBARA COUNTY  
FLOOD CONTROL AND  
WATER CONSERVATION DISTRICT  
130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
(805) 568-3440

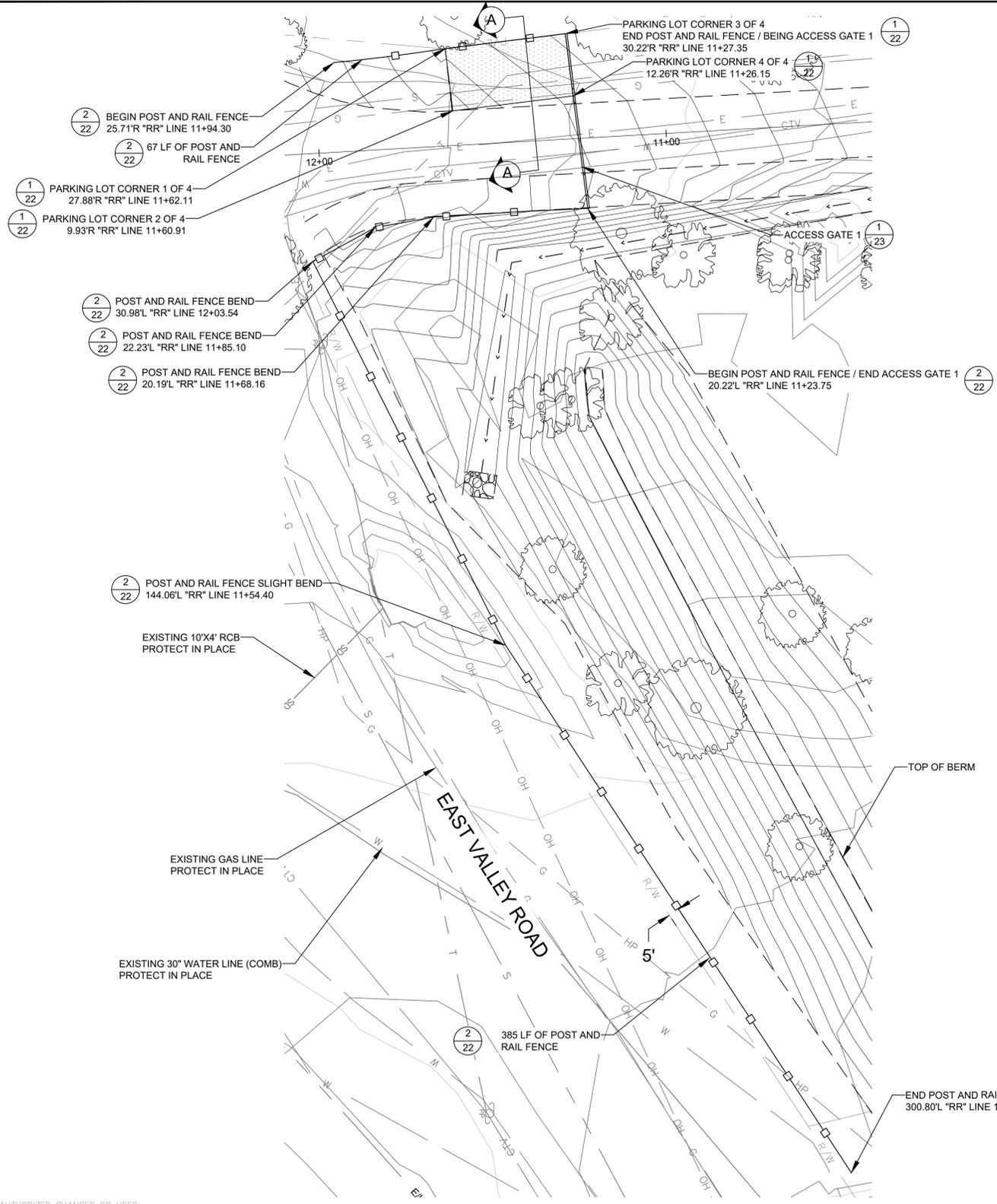


RANDALL ROAD DEBRIS  
BASIN PROJECT  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

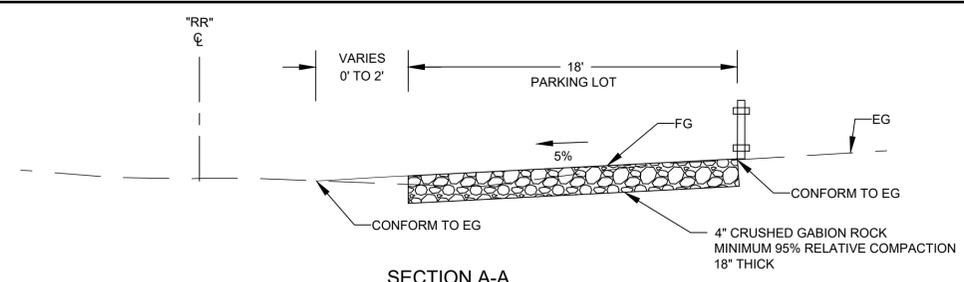
**CONSTRUCTION  
DETAIL #1**

|              |     |
|--------------|-----|
| DESIGNED BY: | LB  |
| DRAWN BY:    | JY  |
| CHECKED BY:  | HBL |

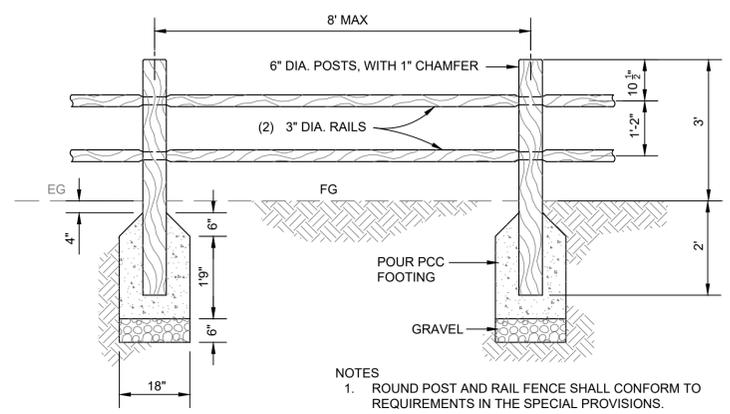
|                                     |
|-------------------------------------|
| <b>O-1151</b>                       |
| SHEET 21 OF 35                      |
| Filename: Randall Road DB Plans.DWG |



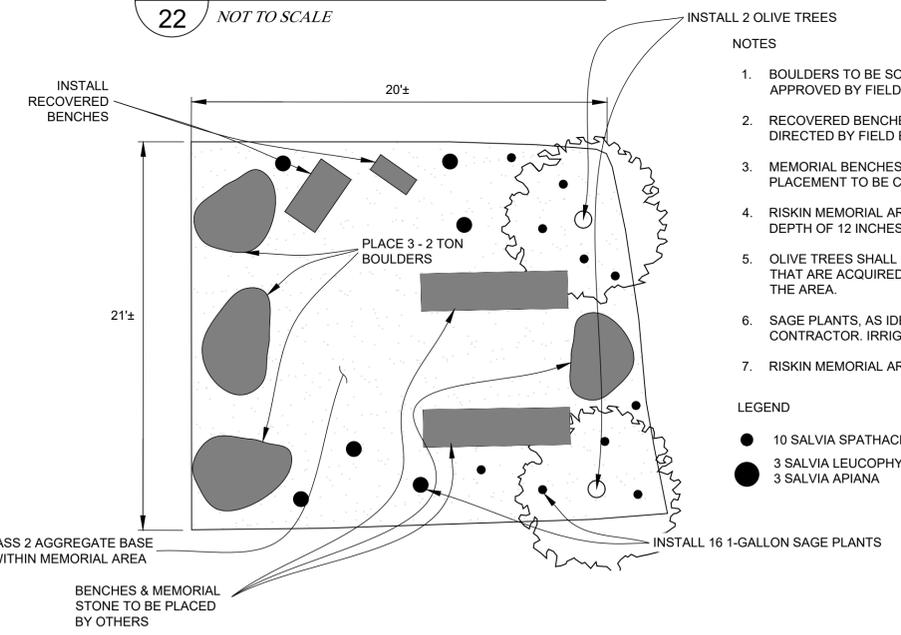
**A RANDALL ROAD PARKING LOT AND FENCE IMPROVEMENTS**  
 SCALE: 1" = 20'



**1 PARKING LOT DETAIL**  
 NOT TO SCALE



**2 POST AND RAIL FENCE DETAIL**  
 NOT TO SCALE



**B RISKIN MEMORIAL DETAIL**  
 SCALE: 1" = 5'

- NOTES
- BOULDERS TO BE SOURCED ON-SITE. FINAL BOULDER SELECTION AND PLACEMENT TO BE APPROVED BY FIELD ENGINEER.
  - RECOVERED BENCHES TO BE SET 4 INCHES INTO LEVELLED GROUND. LOCATION TO BE DIRECTED BY FIELD ENGINEER.
  - MEMORIAL BENCHES AND STONE TO BE ACQUIRED BY THE COUNTY. DELIVERY AND PLACEMENT TO BE COORDINATED AND ACCOMMODATED BY THE CONTRACTOR.
  - RISKIN MEMORIAL AREA TO BE COMPACTED MINIMUM 95% RELATIVE COMPACTION AT A DEPTH OF 12 INCHES.
  - OLIVE TREES SHALL BE 24" BOX OLEA EUROPAEA 'FRUITLESS' (WILSON FRUITLESS OLIVE) THAT ARE ACQUIRED AND PLANTED BY THE CONTRACTOR. IRRIGATION TO BE PROVIDED TO THE AREA.
  - SAGE PLANTS, AS IDENTIFIED IN LEGEND, SHALL BE ACQUIRED AND PLANTED BY THE CONTRACTOR. IRRIGATION TO BE PROVIDED TO THE AREA.
  - RISKIN MEMORIAL AREA IS SUBJECT TO FINAL APPROVAL BY FIELD ENGINEER.

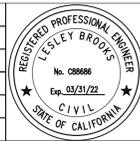
- LEGEND
- 10 SALVIA SPATHACEA
  - 3 SALVIA LEUCOPHYLLA
  - 3 SALVIA APIANA

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| NO.       | DESCRIPTION            | DATE      | APR |
| 0         | READY FOR CONSTRUCTION | 2/12/2021 | LB  |



DESIGNED BY: *Lesley Brooks* 02/08/21  
 WRECO DATE

SANTA BARBARA COUNTY  
 FLOOD CONTROL AND  
 WATER CONSERVATION DISTRICT  
 130 E. VICTORIA STREET  
 SANTA BARBARA, CA 93101  
 (805) 568-3440



RANDALL ROAD DEBRIS  
 BASIN PROJECT  
 AREA OF MONTECITO  
 SANTA BARBARA COUNTY, CALIFORNIA

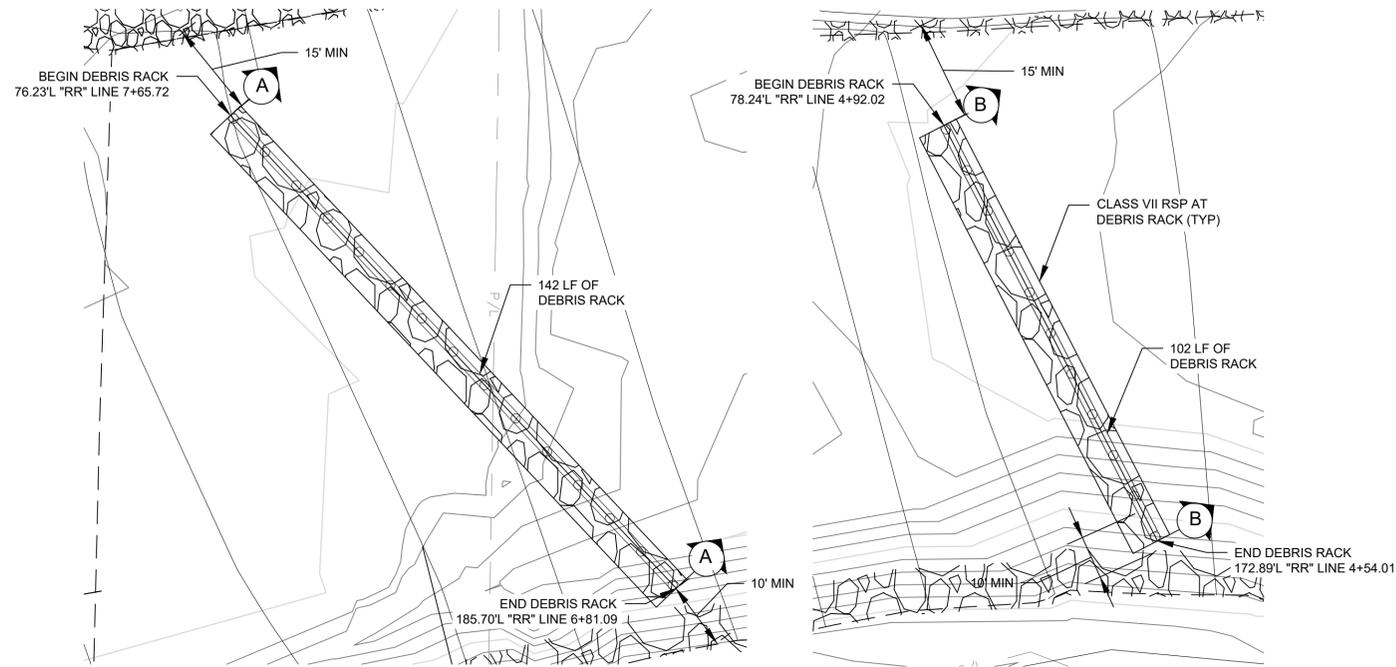
**CONSTRUCTION  
 DETAIL #2**

DESIGNED BY: LB  
 DRAWN BY: JY  
 CHECKED BY: HBL  
**O-1151**  
 SHEET 22 OF 35  
 Filename: Randall Road DB Plans.DWG

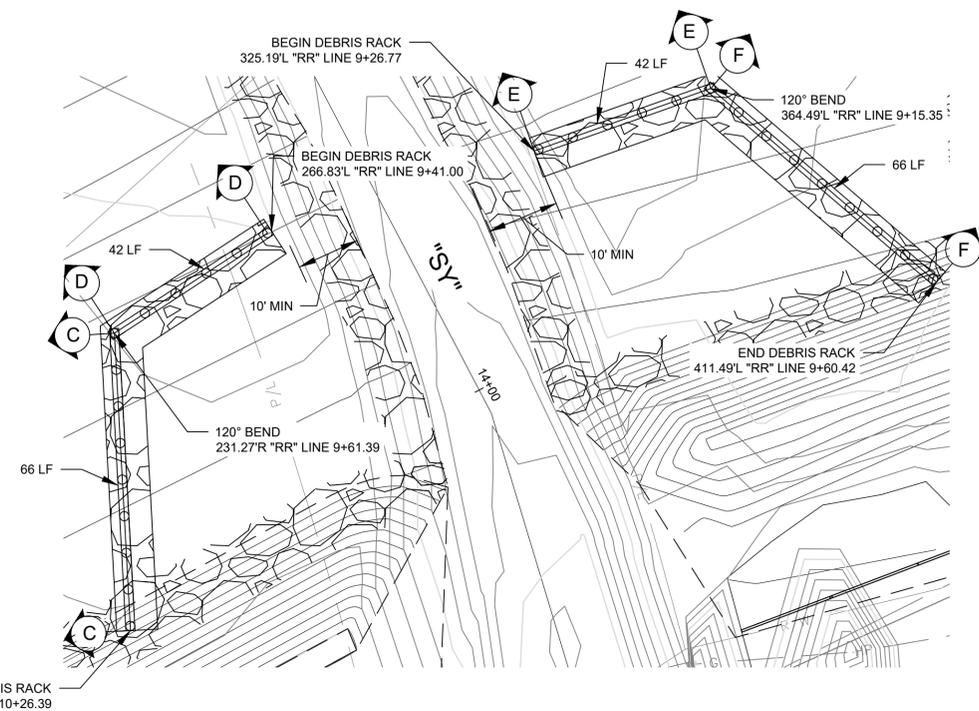


NOTES:

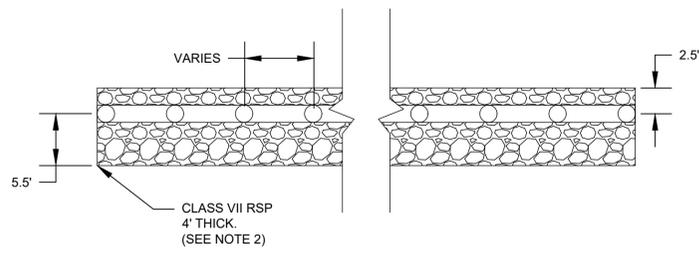
1. CONCRETE FOOTING TO BE PLACED UNDERNEATH 4' CLASS VII RSP. SEE CONSTRUCTION DETAIL #5 AND #6 FOR ADDITIONAL INFORMATION.
2. RSP DEPTH TO EXTEND TO TOP OF CONCRETE FOOTING



**1** UPPER DEBRIS RACK DETAIL  
**24** SCALE: 1" = 20'



**2** LOWER DEBRIS RACK DETAIL (ADD ALTERNATIVE ONLY)  
**24** SCALE: 1" = 20'



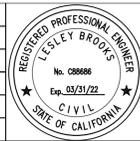
**A** RSP AT DEBRIS RACK DETAIL  
**24** NOT TO SCALE

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DESIGNED BY: *Lesley Brooks* 02/08/21  
DATE  
WRECO

SANTA BARBARA COUNTY  
FLOOD CONTROL AND  
WATER CONSERVATION DISTRICT  
130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
(805) 568-3440

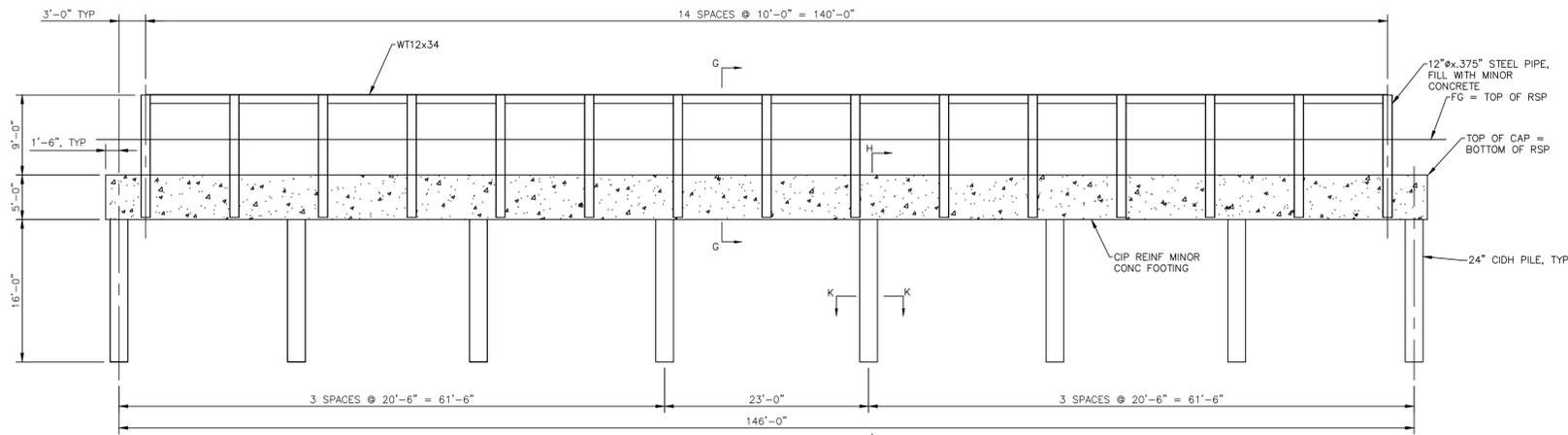


RANDALL ROAD DEBRIS  
BASIN PROJECT  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

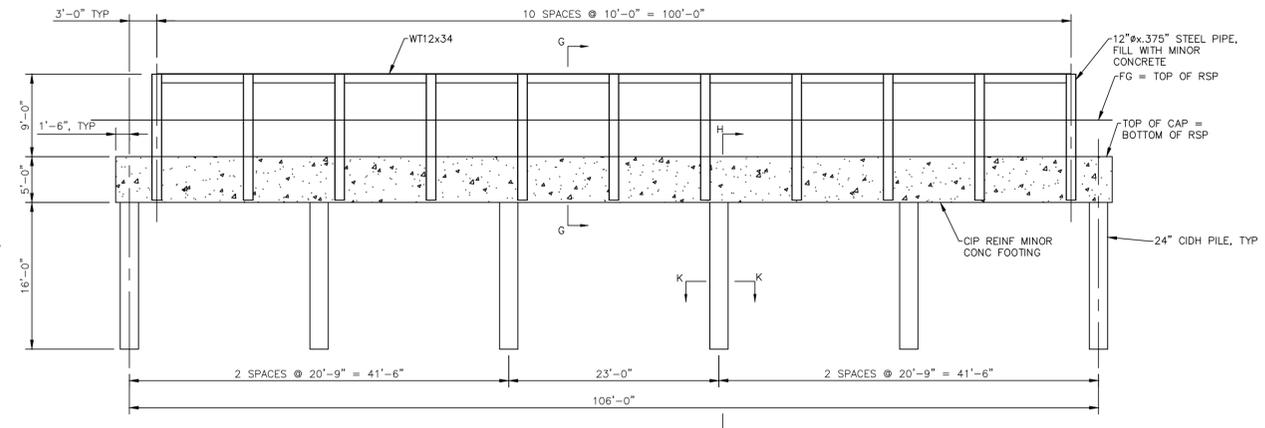
CONSTRUCTION  
DETAIL #4

DESIGNED BY:  
LB  
DRAWN BY:  
JY  
CHECKED BY:  
HBL

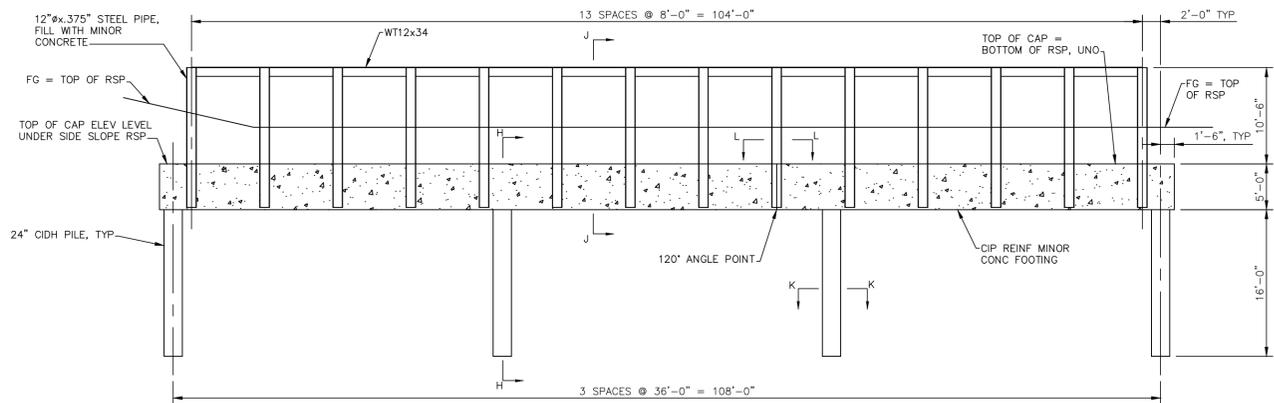
O-1151  
SHEET 24 OF 35  
Filename: Randall Road DB Plans.DWG



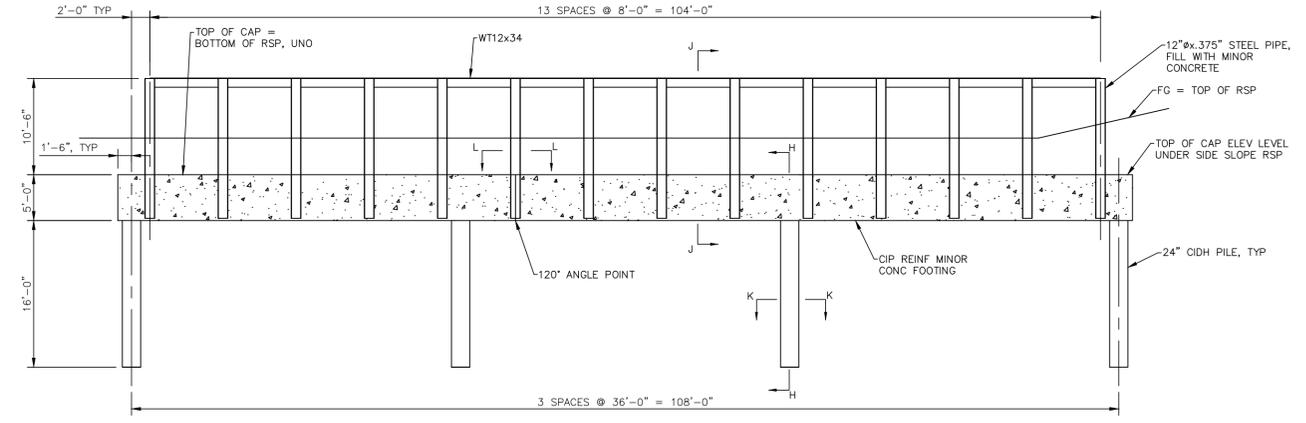
**1** ELEVATION A-A  
25 SCALE: 1" = 10'



**2** ELEVATION B-B  
25 SCALE: 1" = 10'



**3** DEVELOPED ELEVATION C-C & D-D  
25 SCALE: 1" = 10'

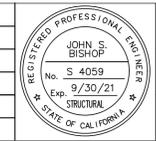


**4** DEVELOPED ELEVATION E-E & F-F  
25 SCALE: 1" = 10'

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CONTRACTOR'S LICENSE  
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| REVISIONS |                        |           |     |
|-----------|------------------------|-----------|-----|
| NO.       | DESCRIPTION            | DATE      | APR |
| 0         | READY FOR CONSTRUCTION | 2/12/2021 | JB  |



DESIGNED BY: *John Bishop* 2/09/21  
BISHOP ENGINEERING LLC DATE

SANTA BARBARA COUNTY  
FLOOD CONTROL AND  
WATER CONSERVATION DISTRICT  
130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
(805) 568-3440

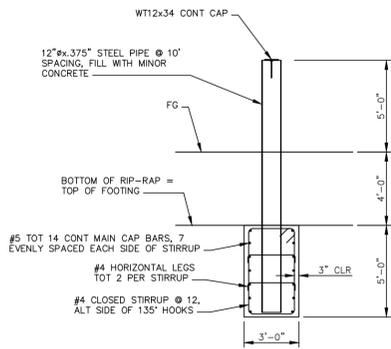


RANDALL ROAD DEBRIS  
BASIN PROJECT  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

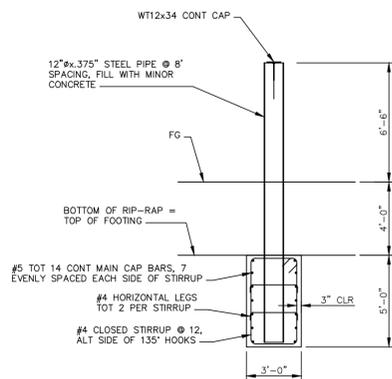
**CONSTRUCTION  
DETAIL #5**

DESIGNED BY: JB  
DRAWN BY: JB  
CHECKED BY: JB

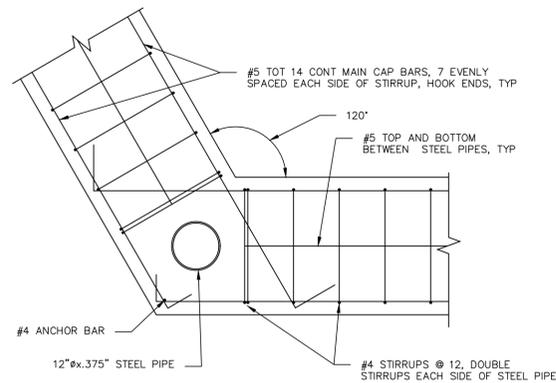
**O-1151**  
SHEET 25 OF 35  
Filename: RandallRoadDebrisRock.DWG



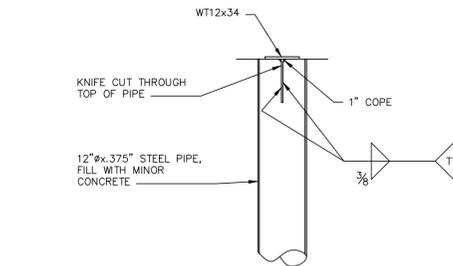
**SECTION G-G**  
SCALE: 1" = 5'



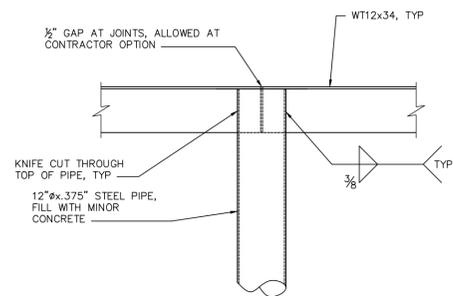
**SECTION J-J**  
SCALE: 1" = 5'



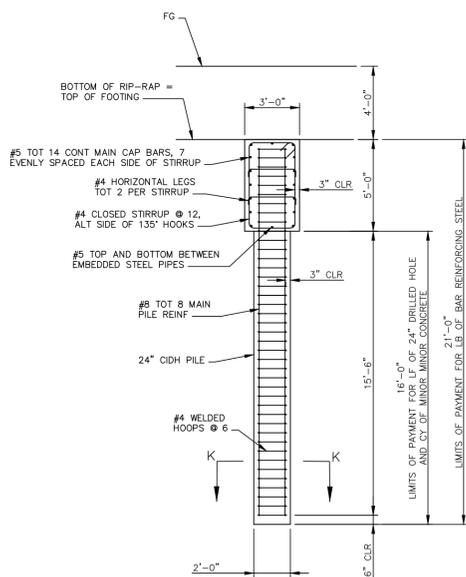
**SECTION L-L**  
SCALE: 1" = 2'



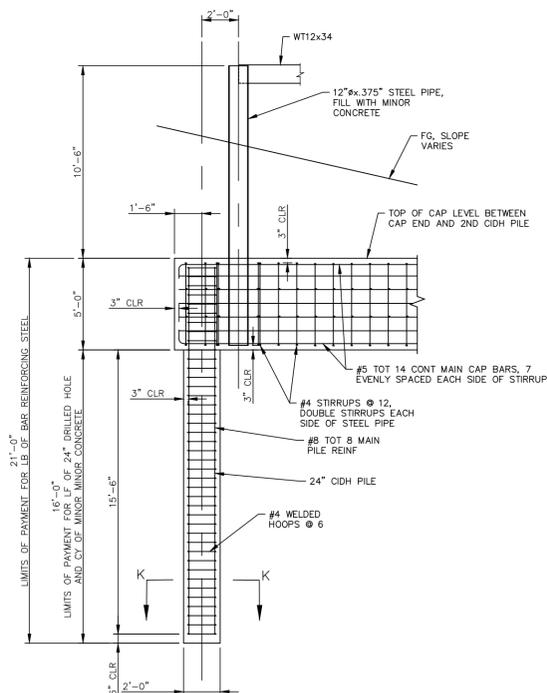
**TOP RAIL SECTION**  
SCALE: 1" = 2'



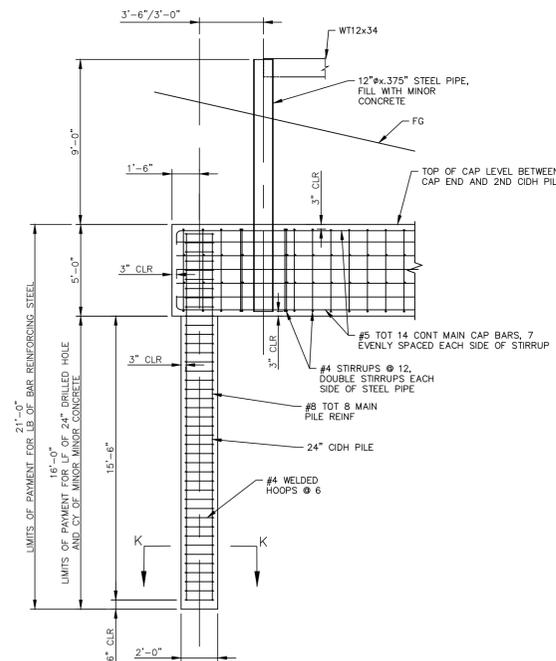
**PART ELEVATION - TOP RAIL**  
SCALE: 1" = 2'



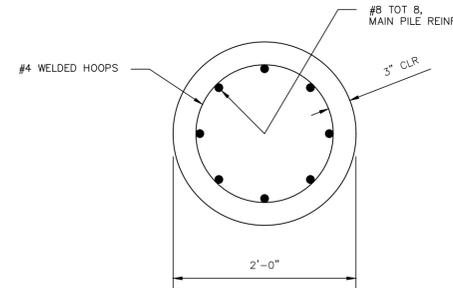
**SECTION H-H**  
SCALE: 1" = 5'



**PART ELEVATION - LOWER DEBRIS RACKS**  
SCALE: 1" = 5'



**PART ELEVATION - UPPER DEBRIS RACKS**  
SCALE: 1" = 5'

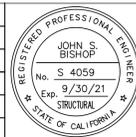


**SECTION K-K**  
SCALE: 1" = 1'



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|-----------|------------------------|-----------|-----|
| NO.       | DESCRIPTION            | DATE      | APR |
| 0         | READY FOR CONSTRUCTION | 2/12/2021 | JB  |



DESIGNED BY: *John Bishop* 2/09/21  
BISHOP ENGINEERING LLC DATE

SANTA BARBARA COUNTY  
FLOOD CONTROL AND  
WATER CONSERVATION DISTRICT  
130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
(805) 568-3440



RANDALL ROAD DEBRIS  
BASIN PROJECT  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

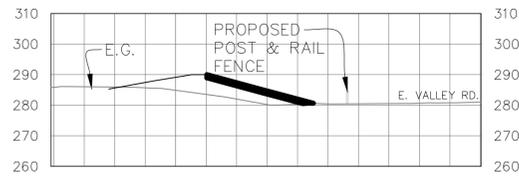
**CONSTRUCTION  
DETAIL #6**

DESIGNED BY: JB  
DRAWN BY: JB  
CHECKED BY: JB

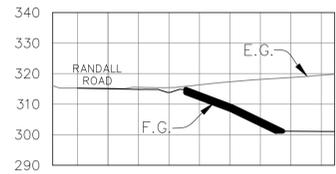
**O-1151**

SHEET 26 OF 35

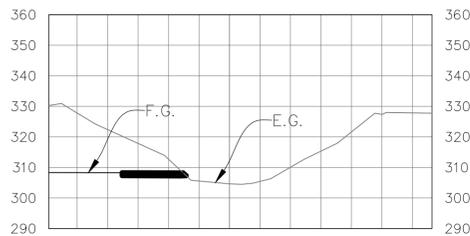
Filename: RandallRoadDebrisRack.DWG



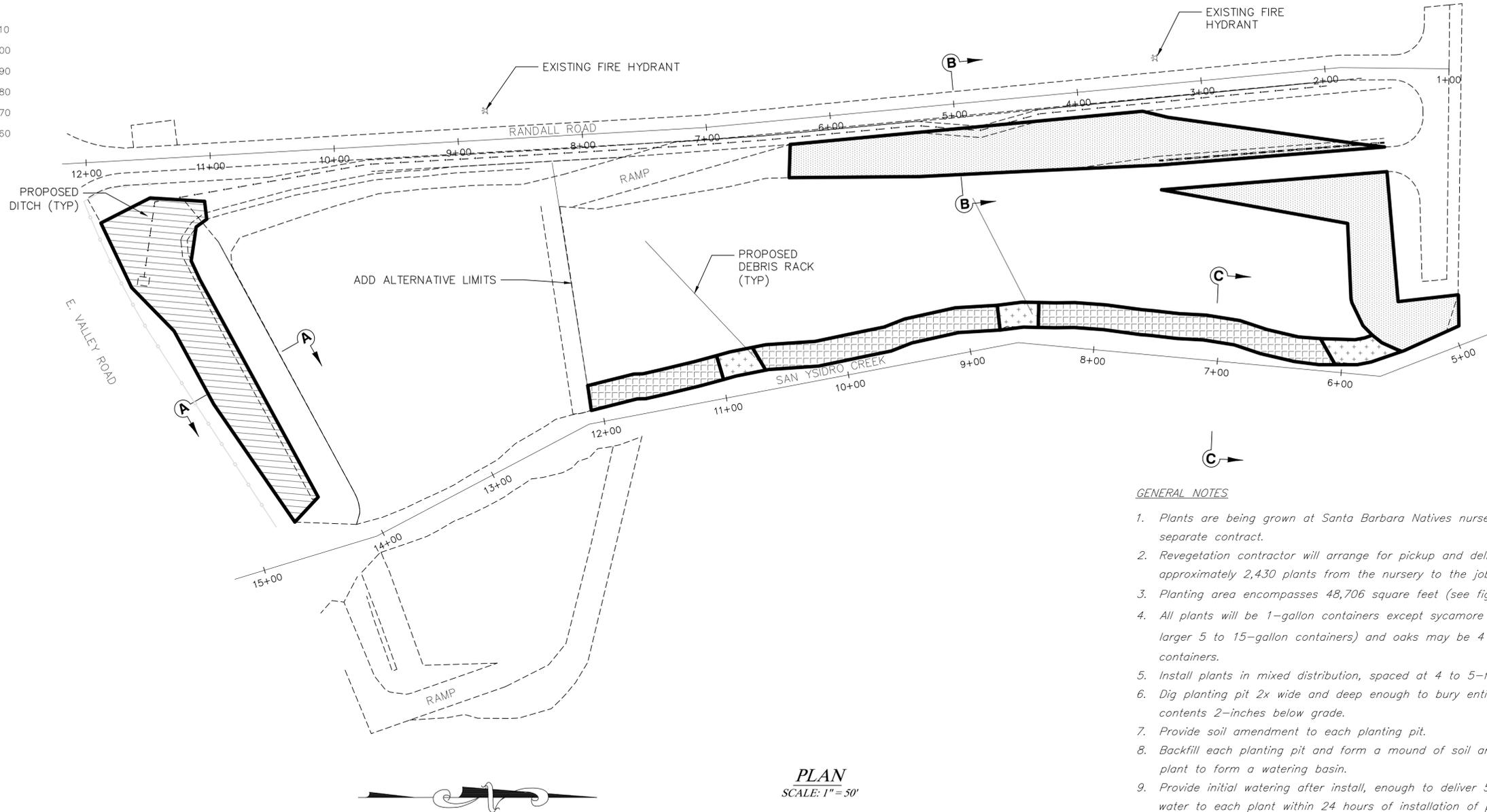
**SECTION A-A**  
SCALE: 1" = 30'



**SECTION B-B**  
SCALE: 1" = 30'



**SECTION C-C**  
SCALE: 1" = 30'



**PLAN**  
SCALE: 1" = 50'

**GENERAL NOTES**

1. Plants are being grown at Santa Barbara Natives nursery under separate contract.
2. Revegetation contractor will arrange for pickup and delivery of approximately 2,430 plants from the nursery to the job site.
3. Planting area encompasses 48,706 square feet (see figure).
4. All plants will be 1-gallon containers except sycamore (may be larger 5 to 15-gallon containers) and oaks may be 4" sleeve containers.
5. Install plants in mixed distribution, spaced at 4 to 5-foot centers.
6. Dig planting pit 2x wide and deep enough to bury entire container contents 2-inches below grade.
7. Provide soil amendment to each planting pit.
8. Backfill each planting pit and form a mound of soil around each plant to form a watering basin.
9. Provide initial watering after install, enough to deliver 5 gallons of water to each plant within 24 hours of installation of plants.
10. Remove weeds from each planting basin.
11. Mulch each planting basin to depth of 3-inches.
12. Install drip irrigation system in each planting area, with hookups for water truck.
13. Drip emitters capable of delivering 5 gallons of water per watering session.
14. Install irrigation system in separate zones, with a water truck hookup in each zone.
15. Irrigation lines secured with metal staples per standard industry practice.

- PLANTING AREA A (12,027 SQFT)
- PLANTING AREA B (23,613 SQFT)
- PLANTING AREA C (10,818 SQFT)
- PLANTING AREA D (2,248 SQFT)



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|                                    |          |
|------------------------------------|----------|
| REVIEWED BY:                       | DATE     |
| <i>Julius P. [Signature]</i>       | 2-9-2021 |
| For ENVIRONMENTAL SERVICES MANAGER |          |

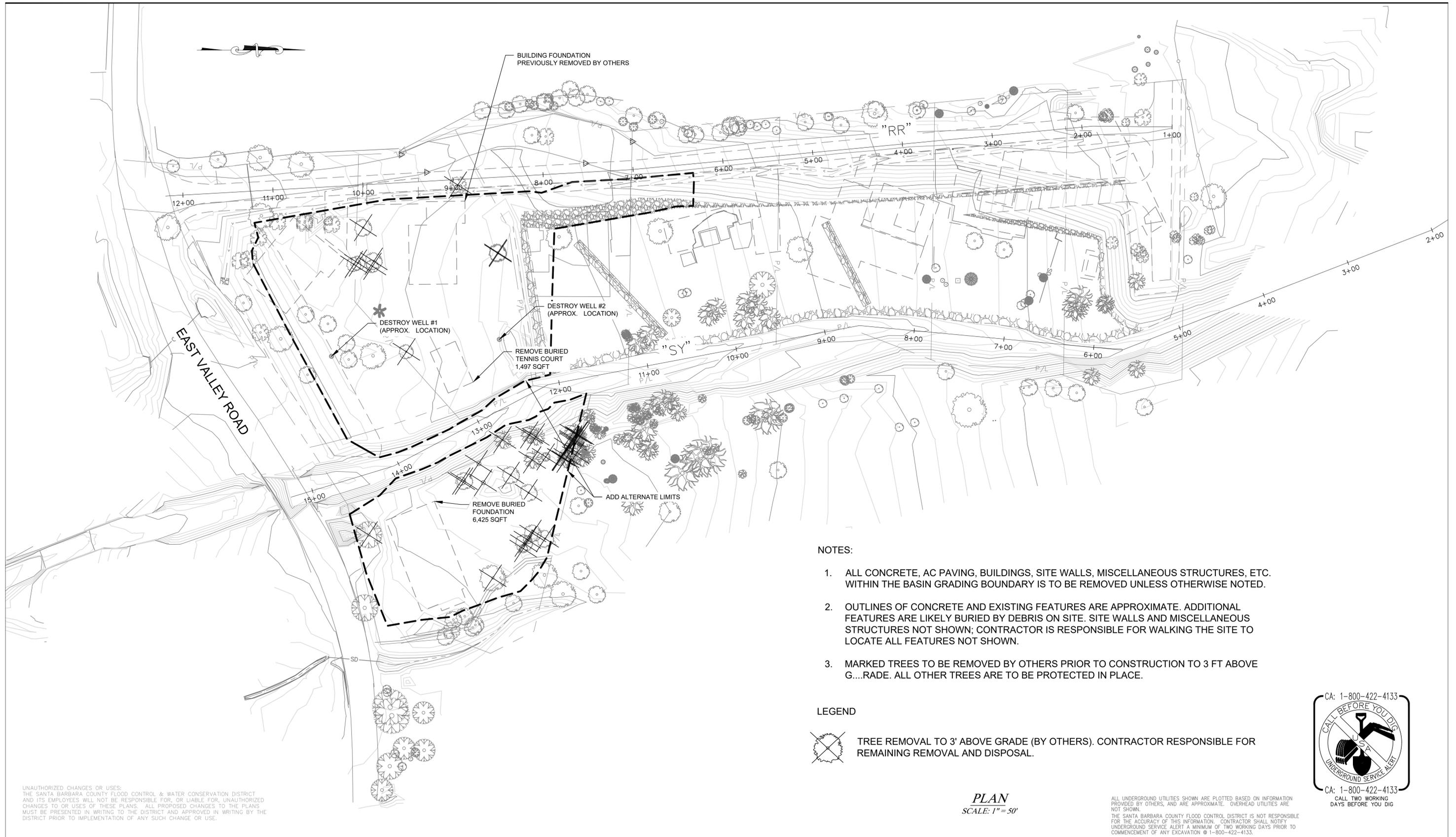
|   |  |
|---|--|
| SANTA BARBARA COUNTY<br>FLOOD CONTROL AND<br>WATER CONSERVATION DISTRICT<br>130 E. VICTORIA STREET<br>SANTA BARBARA, CA 93101<br>(805) 568-3440 |  |
|---|--|



**RANDALL ROAD DEBRIS  
BASIN PROJECT**  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

**PLANTING PLAN**

|   |    |                |
|---|----|----------------|
| DESIGNED BY:                            | AR | <b>O-1151</b>  |
| DRAWN BY:                               | JM |                |
| CHECKED BY:                             | MS | SHEET 27 OF 35 |
| Filename: Randall PlantingPlan-Opt2.DWG |    |                |



**NOTES:**

1. ALL CONCRETE, AC PAVING, BUILDINGS, SITE WALLS, MISCELLANEOUS STRUCTURES, ETC. WITHIN THE BASIN GRADING BOUNDARY IS TO BE REMOVED UNLESS OTHERWISE NOTED.
2. OUTLINES OF CONCRETE AND EXISTING FEATURES ARE APPROXIMATE. ADDITIONAL FEATURES ARE LIKELY BURIED BY DEBRIS ON SITE. SITE WALLS AND MISCELLANEOUS STRUCTURES NOT SHOWN; CONTRACTOR IS RESPONSIBLE FOR WALKING THE SITE TO LOCATE ALL FEATURES NOT SHOWN.
3. MARKED TREES TO BE REMOVED BY OTHERS PRIOR TO CONSTRUCTION TO 3 FT ABOVE G....RADE. ALL OTHER TREES ARE TO BE PROTECTED IN PLACE.

**LEGEND**

 TREE REMOVAL TO 3' ABOVE GRADE (BY OTHERS). CONTRACTOR RESPONSIBLE FOR REMAINING REMOVAL AND DISPOSAL.

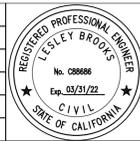
*PLAN*  
SCALE: 1" = 50'

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DESIGNED BY: *Leslie Brooks* 02/08/21  
DATE

SANTA BARBARA COUNTY  
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SANTA BARBARA, CA 93101  
(805) 568-3440

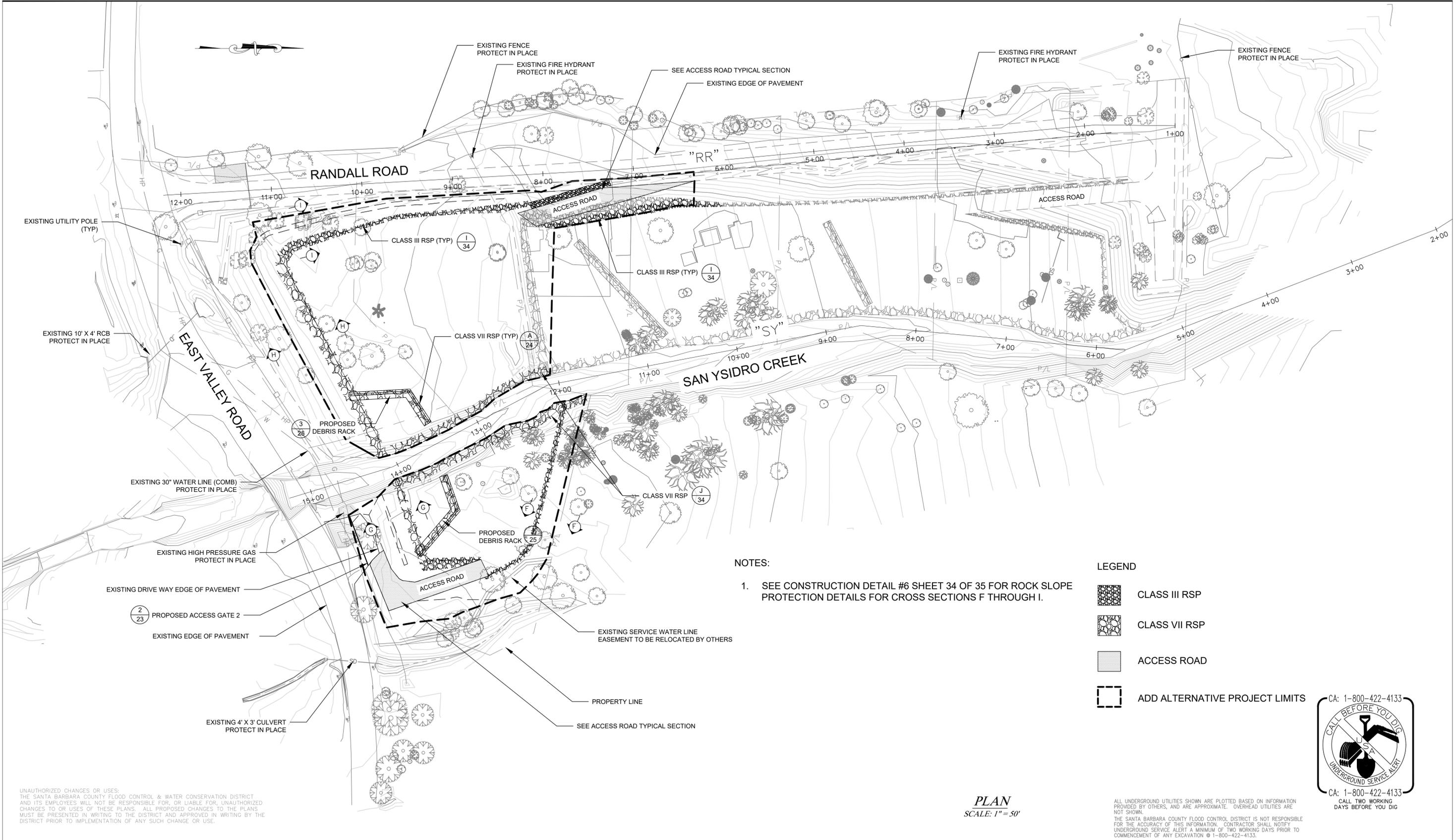


RANDALL ROAD DEBRIS  
BASIN PROJECT  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

**ADD ALTERNATIVE  
DEMOLITION PLAN**

DESIGNED BY:  
LB  
DRAWN BY:  
JY  
CHECKED BY:  
HBL

**O-1151**  
SHEET 28 OF 35  
Filename: Randall Road DB Plans.DWG



**NOTES:**

- SEE CONSTRUCTION DETAIL #6 SHEET 34 OF 35 FOR ROCK SLOPE PROTECTION DETAILS FOR CROSS SECTIONS F THROUGH I.

**LEGEND**

- CLASS III RSP
- CLASS VII RSP
- ACCESS ROAD
- ADD ALTERNATIVE PROJECT LIMITS

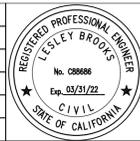
**PLAN**  
SCALE: 1" = 50'

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UNAUTHORIZED CHANGES OR USES:  
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| REVISIONS |                        |           |     |
|-----------|------------------------|-----------|-----|
| NO.       | DESCRIPTION            | DATE      | APR |
| 0         | READY FOR CONSTRUCTION | 2/12/2021 | LB  |



DESIGNED BY: *Lesley Brooks* 02/08/21  
DATE

SANTA BARBARA COUNTY  
FLOOD CONTROL AND  
WATER CONSERVATION DISTRICT  
130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
(805) 568-3440

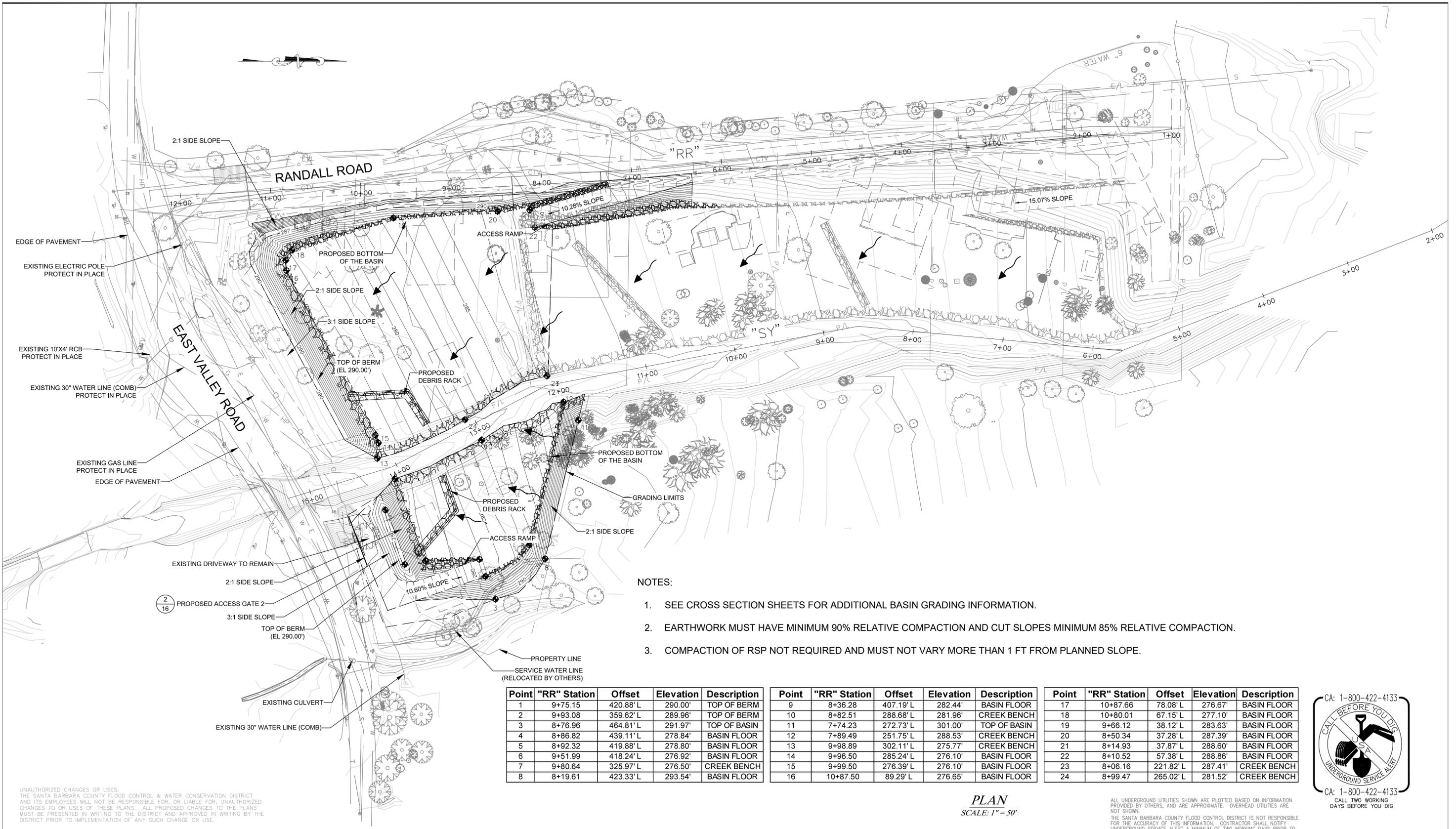


RANDALL ROAD DEBRIS  
BASIN PROJECT  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

**ADD ALTERNATIVE  
LAYOUT PLAN**

DESIGNED BY:  
LB  
DRAWN BY:  
JY  
CHECKED BY:  
HBL

**O-1151**  
SHEET 29 OF 35  
Filename: Randall Road DB Plans.DWG



**NOTES:**

1. SEE CROSS SECTION SHEETS FOR ADDITIONAL BASIN GRADING INFORMATION.
2. EARTHWORK MUST HAVE MINIMUM 90% RELATIVE COMPACTION AND CUT SLOPES MINIMUM 85% RELATIVE COMPACTION.
3. COMPACTION OF RSP NOT REQUIRED AND MUST NOT VARY MORE THAN 1 FT FROM PLANNED SLOPE.

| Point | "RR" Station | Offset    | Elevation | Description  | Point | "RR" Station | Offset    | Elevation | Description  | Point | "RR" Station | Offset    | Elevation | Description |
|-------|--------------|-----------|-----------|--------------|-------|--------------|-----------|-----------|--------------|-------|--------------|-----------|-----------|-------------|
| 1     | 9+75.15      | 420.88' L | 290.00'   | TOP OF BERM  | 9     | 8+36.28      | 407.19' L | 282.44'   | BASIN FLOOR  | 17    | 10+87.66     | 78.08' L  | 276.67'   | BASIN FLOOR |
| 2     | 9+93.08      | 359.62' L | 289.96'   | TOP OF BERM  | 10    | 8+82.51      | 288.68' L | 281.96'   | CREEK BENCH  | 18    | 10+80.01     | 67.15' L  | 277.10'   | BASIN FLOOR |
| 3     | 8+76.96      | 464.81' L | 291.97'   | TOP OF BASIN | 11    | 7+74.23      | 272.73' L | 301.00'   | TOP OF BASIN | 19    | 9+66.12      | 38.12' L  | 283.63'   | BASIN FLOOR |
| 4     | 8+86.82      | 439.11' L | 278.84'   | BASIN FLOOR  | 12    | 7+89.49      | 251.75' L | 288.53'   | CREEK BENCH  | 20    | 8+50.34      | 37.28' L  | 287.39'   | BASIN FLOOR |
| 5     | 8+92.32      | 419.88' L | 278.80'   | BASIN FLOOR  | 13    | 9+98.89      | 302.11' L | 275.77'   | CREEK BENCH  | 21    | 8+14.93      | 37.87' L  | 288.60'   | BASIN FLOOR |
| 6     | 9+51.99      | 418.24' L | 276.92'   | BASIN FLOOR  | 14    | 9+96.50      | 285.24' L | 276.10'   | BASIN FLOOR  | 22    | 8+10.52      | 57.38' L  | 288.86'   | BASIN FLOOR |
| 7     | 9+80.64      | 325.97' L | 276.50'   | CREEK BENCH  | 15    | 9+99.50      | 276.39' L | 276.10'   | BASIN FLOOR  | 23    | 8+06.16      | 221.82' L | 287.41'   | CREEK BENCH |
| 8     | 8+19.61      | 423.33' L | 293.54'   | BASIN FLOOR  | 16    | 10+87.50     | 89.29' L  | 276.65'   | BASIN FLOOR  | 24    | 8+99.47      | 265.02' L | 281.52'   | CREEK BENCH |

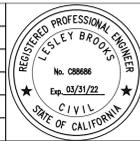
**PLAN**  
SCALE: 1" = 50'

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| REVISIONS |                        |           |     |
|-----------|------------------------|-----------|-----|
| NO.       | DESCRIPTION            | DATE      | APR |
| 0         | READY FOR CONSTRUCTION | 2/12/2021 | LB  |



DESIGNED BY: *Leslie Brooks* 02/08/21  
DATE

SANTA BARBARA COUNTY  
FLOOD CONTROL AND  
WATER CONSERVATION DISTRICT  
130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
(805) 568-3440



RANDALL ROAD DEBRIS  
BASIN PROJECT  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

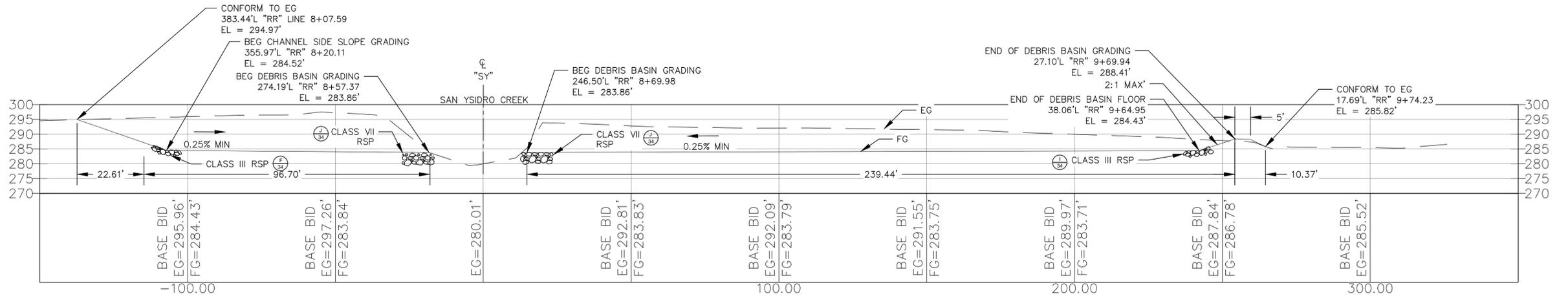
**ADD ALTERNATIVE  
GRADING PLAN**

DESIGNED BY:  
LB  
DRAWN BY:  
JY  
CHECKED BY:  
HBL

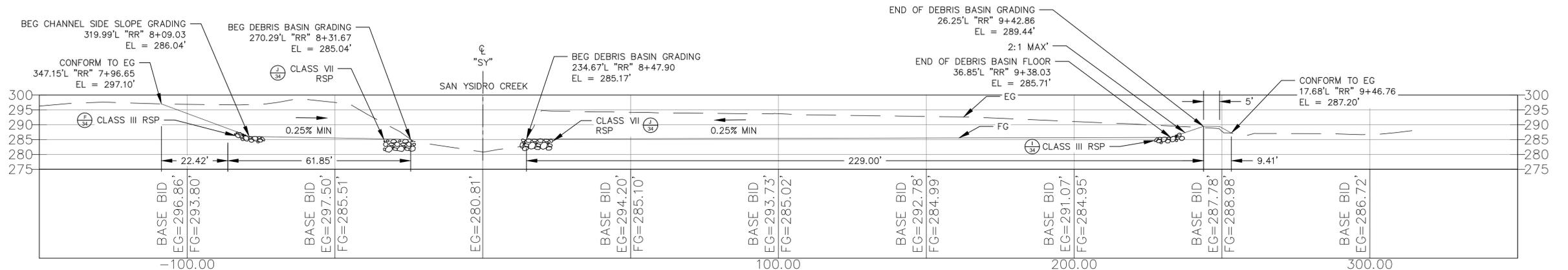
**O-1151**  
SHEET 30 OF 35  
Filename: Randall Road DB Plans.DWG

NOTES:

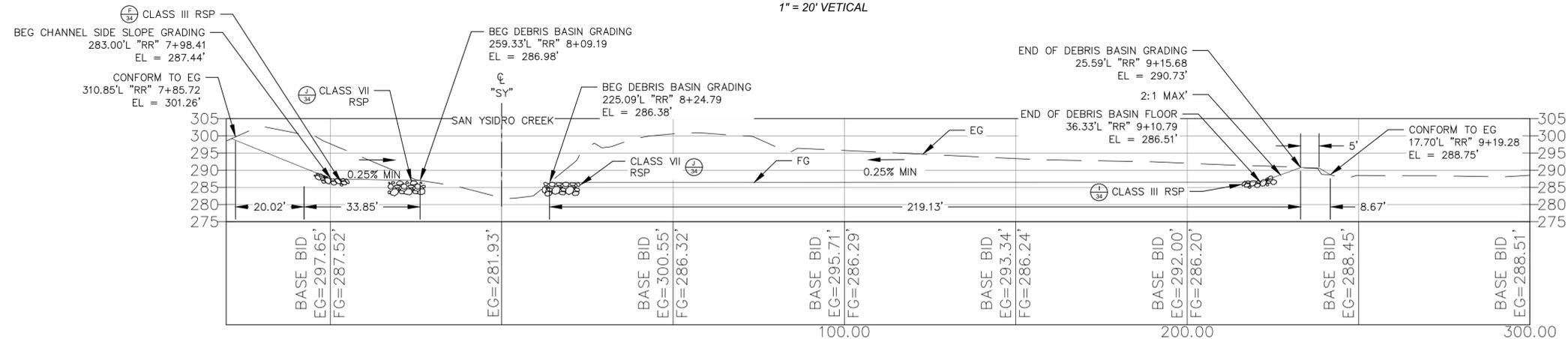
- SEE SHEET 3 FOR RANDALL ROAD CROSS SLOPES.
- SEE SHEET 34 FOR RSP CONSTRUCTION DETAILS.



"SY" 12+75  
 SCALE: 1" = 20' HORIZONTAL  
 1" = 20' VERTICAL



"SY" 12+50  
 SCALE: 1" = 20' HORIZONTAL  
 1" = 20' VERTICAL



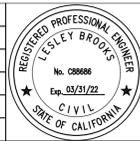
"SY" 12+25  
 SCALE: 1" = 20' HORIZONTAL  
 1" = 20' VERTICAL

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| REVISIONS |                        |           |     |
|-----------|------------------------|-----------|-----|
| NO.       | DESCRIPTION            | DATE      | APR |
| 0         | READY FOR CONSTRUCTION | 2/12/2021 | LB  |



DESIGNED BY: *Lesley Brooks* 02/08/21  
 WRECO DATE

SANTA BARBARA COUNTY  
 FLOOD CONTROL AND  
 WATER CONSERVATION DISTRICT  
 130 E. VICTORIA STREET  
 SANTA BARBARA, CA 93101  
 (805) 568-3440



RANDALL ROAD DEBRIS  
 BASIN PROJECT  
 AREA OF MONTECITO  
 SANTA BARBARA COUNTY, CALIFORNIA

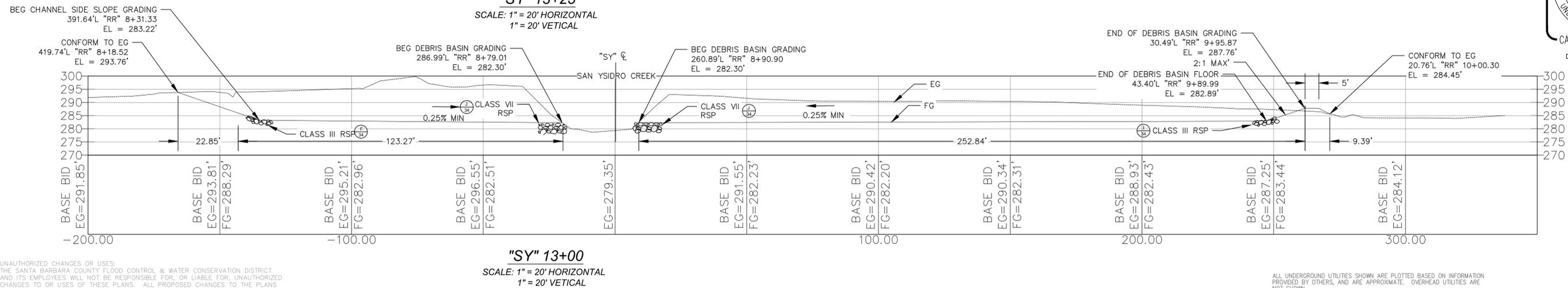
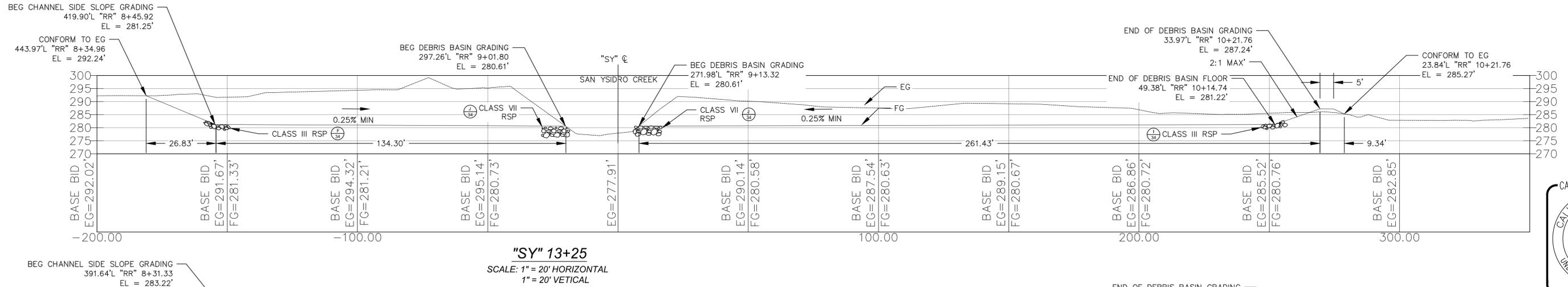
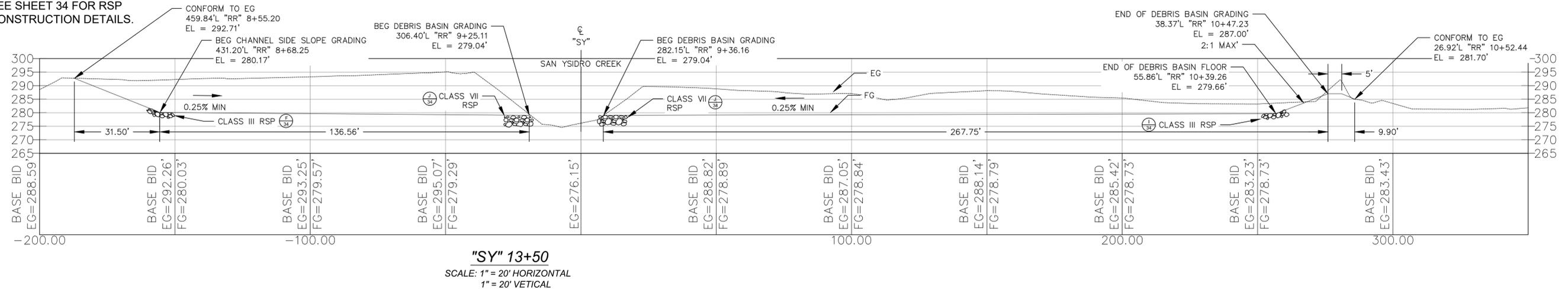
ADD ALTERNATIVE  
 X-SECTIONS

DESIGNED BY: LB  
 DRAWN BY: JY  
 CHECKED BY: HBL

O-1151  
 SHEET 31 OF 35  
 Filename: Randall Road DB Plans.DWG

NOTES:

- SEE SHEET 3 FOR RANDALL ROAD CROSS SLOPES.
- SEE SHEET 34 FOR RSP CONSTRUCTION DETAILS.

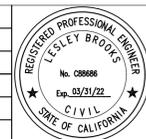


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UNDERGROUND SERVICE ALERT A MINIMUM OF TWO WORKING DAYS PRIOR TO  
COMMENCEMENT OF ANY EXCAVATION @ 1-800-422-4133.



| REVISIONS |                        |           |     |
|-----------|------------------------|-----------|-----|
| NO.       | DESCRIPTION            | DATE      | APR |
| 0         | READY FOR CONSTRUCTION | 2/12/2021 | LB  |



|              |                      |          |
|--------------|----------------------|----------|
| DESIGNED BY: | <i>Leslie Brooks</i> | 02/08/21 |
| WRECO        |                      | DATE     |

SANTA BARBARA COUNTY  
FLOOD CONTROL AND  
WATER CONSERVATION DISTRICT  
130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
(805) 568-3440



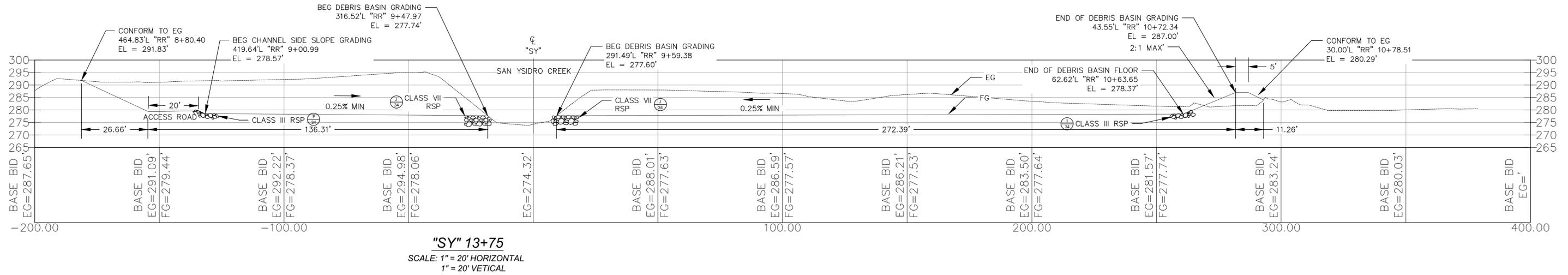
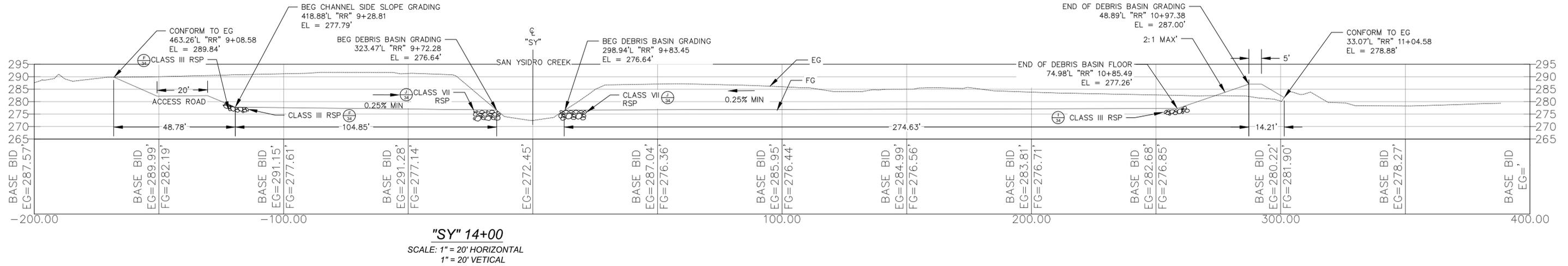
RANDALL ROAD DEBRIS  
BASIN PROJECT  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

**ADD ALTERNATIVE  
X-SECTIONS**

|                                     |     |                |
|-------------------------------------|-----|----------------|
| DESIGNED BY:                        | LB  | <b>O-1151</b>  |
| DRAWN BY:                           | JY  |                |
| CHECKED BY:                         | HBL | SHEET 32 OF 35 |
| Filename: Randall Road DB Plans.DWG |     |                |

NOTES:

- SEE SHEET 3 FOR RANDALL ROAD AND ACCESS ROAD CROSS SLOPES.
- SEE SHEET 34 FOR RSP CONSTRUCTION DETAILS.

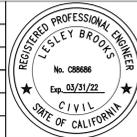


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| NO.       | DESCRIPTION            | DATE      | APR |
| 0         | READY FOR CONSTRUCTION | 2/12/2021 | LB  |



|              |                      |          |
|--------------|----------------------|----------|
| DESIGNED BY: | <i>Lesley Brooks</i> | 02/08/21 |
| WRECO        |                      | DATE     |

SANTA BARBARA COUNTY  
FLOOD CONTROL AND  
WATER CONSERVATION DISTRICT  
130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
(805) 568-3440



RANDALL ROAD DEBRIS  
BASIN PROJECT  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

**ADD ALTERNATIVE  
X-SECTIONS**

|              |     |
|--------------|-----|
| DESIGNED BY: | LB  |
| DRAWN BY:    | JY  |
| CHECKED BY:  | HBL |

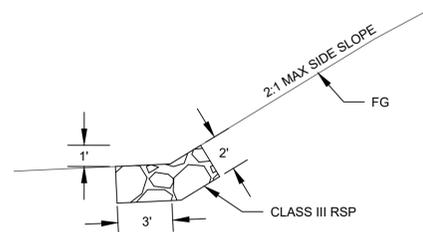
**O-1151**

SHEET 33 OF 35

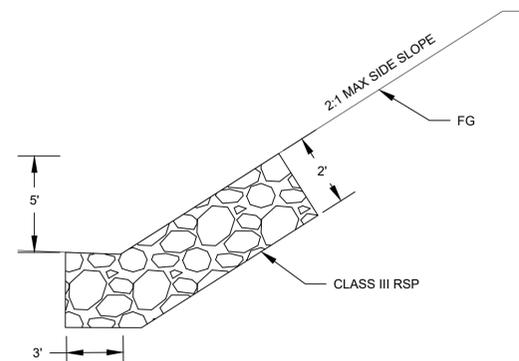
Filename: Randall Road DB Plans.DWG

NOTES:

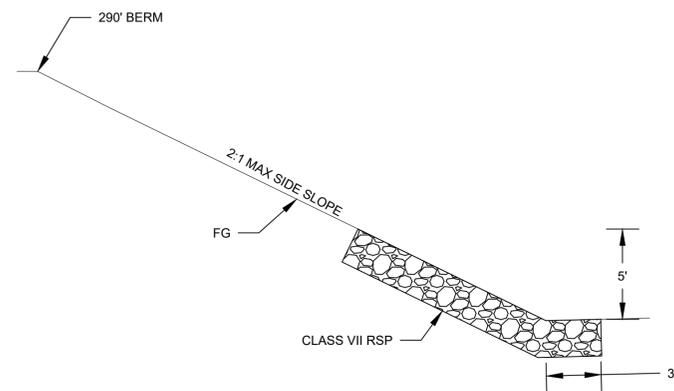
- EXISTING STREAMBED MATERIAL AT THE BENCHING ELEVATION SHALL REMAIN IN PLACE IF DEEMED SUITABLE BY COUNTY ENVIRONMENTAL WITHIN DIRECTED LIMITS IN PLACE OF CLASS VII RSP.



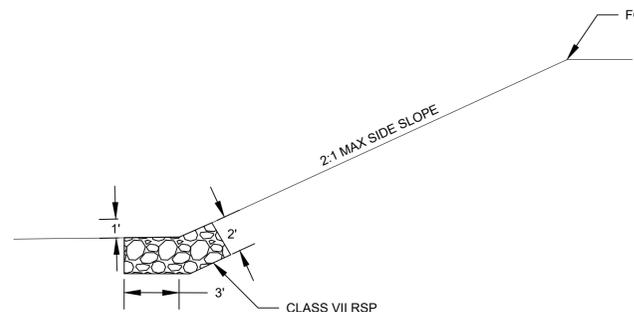
**F**  
34 F-F BASIN SIDE SLOPE RSP  
SCALE: 1' = 5'



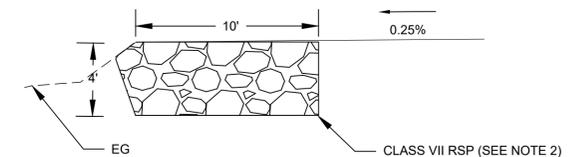
**G**  
34 G-G EAST BASIN LOWER SLOPE RSP  
SCALE: 1' = 5'



**H**  
34 H-H WEST BASIN LOWER SLOPE  
SCALE: 1' = 5'



**I**  
34 I-I WEST BASIN SIDE SLOPE  
SCALE: 1' = 5'



**J**  
34 J-J BENCHING AT CREEK RSP  
SCALE: 1' = 5'

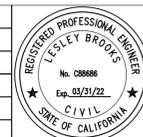
ADD ALTERNATIVE BASIN ROCK SLOPE PROTECTION DETAILS

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|              |                      |          |
|--------------|----------------------|----------|
| DESIGNED BY: | <i>Lesley Brooks</i> | 02/08/21 |
| WRECO        |                      | DATE     |

SANTA BARBARA COUNTY  
FLOOD CONTROL AND  
WATER CONSERVATION DISTRICT  
130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
(805) 568-3440

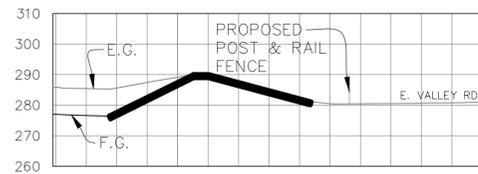


RANDALL ROAD DEBRIS  
BASIN PROJECT  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

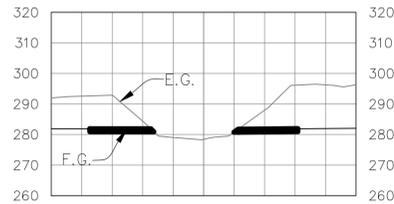
**ADD ALTERNATIVE  
CONSTRUCTION  
DETAIL #6**

|              |     |
|--------------|-----|
| DESIGNED BY: | LB  |
| DRAWN BY:    | JY  |
| CHECKED BY:  | HBL |

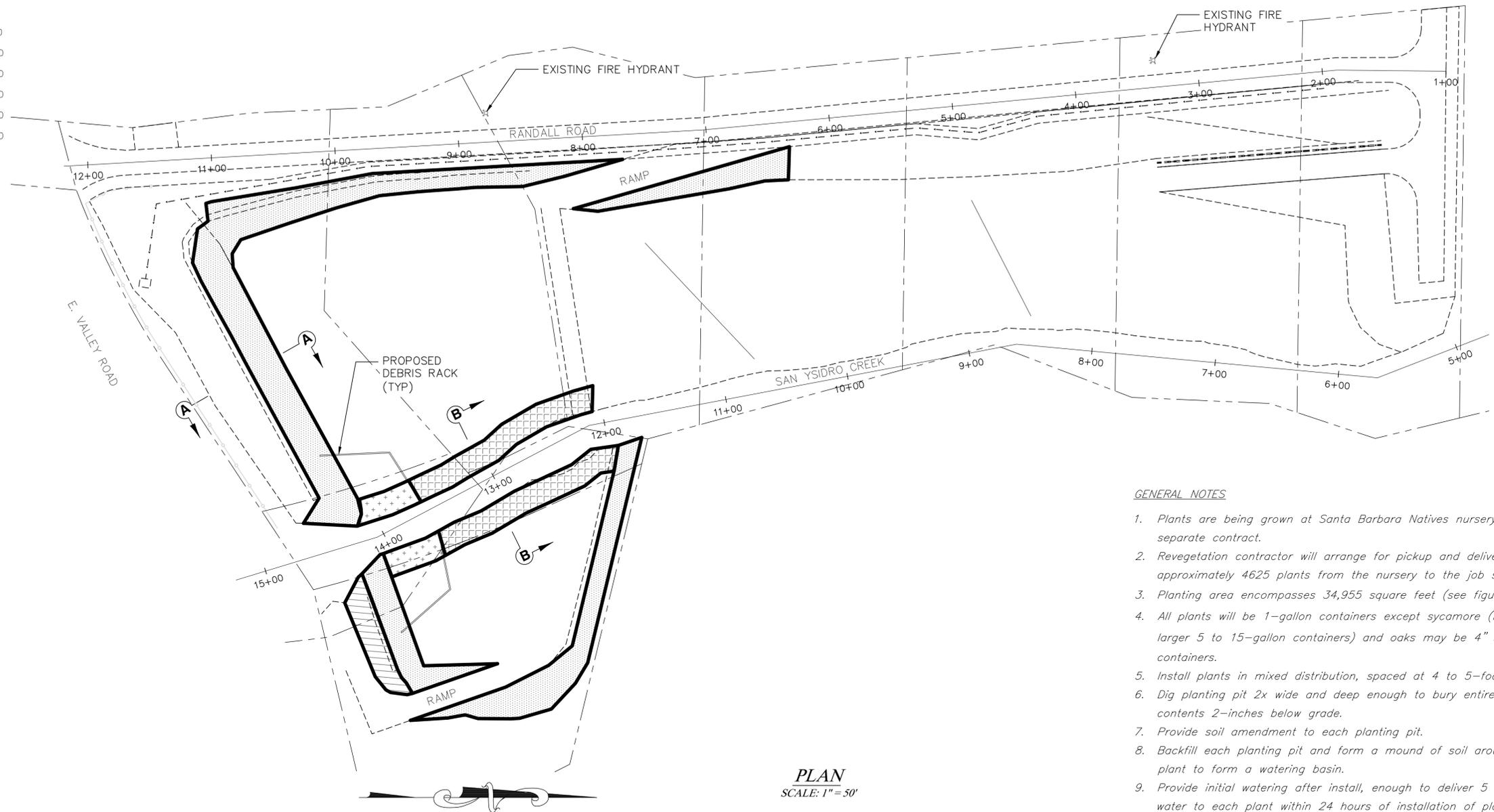
|                                     |
|-------------------------------------|
| <b>O-1151</b>                       |
| SHEET 34 OF 35                      |
| Filename: Randall Road DB Plans.DWG |



**SECTION A-A**  
SCALE: 1" = 30'



**SECTION B-B**  
SCALE: 1" = 30'



**PLAN**  
SCALE: 1" = 50'

-  PLANTING AREA A (1,830 SQFT)
-  PLANTING AREA B (24,812 SQFT)
-  PLANTING AREA C (6,417 SQFT)
-  PLANTING AREA D (1,897 SQFT)

**GENERAL NOTES**

1. Plants are being grown at Santa Barbara Natives nursery under separate contract.
2. Revegetation contractor will arrange for pickup and delivery of approximately 4625 plants from the nursery to the job site.
3. Planting area encompasses 34,955 square feet (see figure).
4. All plants will be 1-gallon containers except sycamore (may be larger 5 to 15-gallon containers) and oaks may be 4" sleeve containers.
5. Install plants in mixed distribution, spaced at 4 to 5-foot centers.
6. Dig planting pit 2x wide and deep enough to bury entire container contents 2-inches below grade.
7. Provide soil amendment to each planting pit.
8. Backfill each planting pit and form a mound of soil around each plant to form a watering basin.
9. Provide initial watering after install, enough to deliver 5 gallons of water to each plant within 24 hours of installation of plants.
10. Remove weeds from each planting basin.
11. Mulch each planting basin to depth of 3-inches.
12. Install drip irrigation system in each planting area, with hookups for water truck.
13. Drip emitters capable of delivering 5 gallons of water per watering session.
14. Install irrigation system in separate zones, with a water truck hookup in each zone.
15. Irrigation lines secured with metal staples per standard industry practice.



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| NO.       | DESCRIPTION            | DATE      | APR |
| 0         | READY FOR CONSTRUCTION | 2/12/2021 | LB  |

|              |                                |          |
|--------------|--------------------------------|----------|
| REVIEWED BY: | <i>Julius Post</i>             | 2/9/2021 |
| For:         | ENVIRONMENTAL SERVICES MANAGER | DATE     |

SANTA BARBARA COUNTY  
FLOOD CONTROL AND  
WATER CONSERVATION DISTRICT  
130 E. VICTORIA STREET  
SANTA BARBARA, CA 93101  
(805) 568-3440



**RANDALL ROAD DEBRIS  
BASIN PROJECT**  
AREA OF MONTECITO  
SANTA BARBARA COUNTY, CALIFORNIA

**ADD ALTERNATIVE  
PLANTING PLAN**

|   |    |                |
|---|----|----------------|
| DESIGNED BY:                            | AR | <b>O-1151</b>  |
| DRAWN BY:                               | JM |                |
| CHECKED BY:                             | MS | SHEET 35 OF 35 |
| Filename: Randall PlantingPlan-Opt2.DWG |    |                |

**SANTA BARBARA COUNTY  
FLOOD CONTROL AND WATER CONSERVATION DISTRICT**



**NOTICE TO BIDDERS  
AND  
SPECIAL PROVISIONS**

**FOR**

**Randall Road Debris Basin Project**

**UNDER:**

---

**Bid Book dated February 12, 2021**

**Standard Specifications dated 2018**

---

**COUNTY PROJECT NO. SC8371**

**BID OPENING LOCATIONS:  
PlanetBids**

<https://www.planetbids.com/portal/portal.cfm?CompanyID=43874>

**BID OPENING TIME AND DATE:  
2 PM on Tuesday, March 16, 2021**

**Electronic Advertising Contract**

**SCOTT D. McGOLPIN  
DIRECTOR OF PUBLIC WORKS**

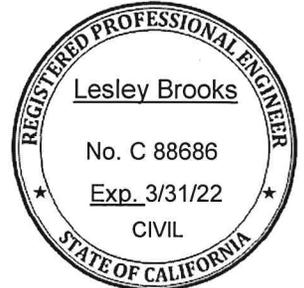
# NOTICE TO BIDDERS AND SPECIAL PROVISIONS

## Randall Road Debris Basin Project COUNTY PROJECT NO. SC8371

The Special Provisions contained herein have been prepared under the direction of the following Registered Persons.

  
\_\_\_\_\_  
Lesley Brooks, P.E.  
REGISTERED CIVIL ENGINEER

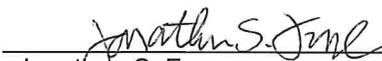
02/10/2021  
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DATE



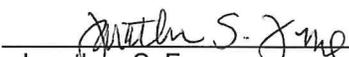
  
\_\_\_\_\_  
John S. Bishop, S.E.  
REGISTERED STRUCTURAL ENGINEER

02/10/2021  
\_\_\_\_\_  
DATE



  
\_\_\_\_\_  
Jonathan S. Frye  
PROJECT MANAGER

2-11-2021  
\_\_\_\_\_  
DATE

  
\_\_\_\_\_  
Jonathan S. Frye  
ENGINEERING MANAGER (APPROVAL RECOMMENDED)

2-11-2021  
\_\_\_\_\_  
DATE

*original to be signed*  
\_\_\_\_\_  
Scott D. McGolpin  
DIRECTOR OF PUBLIC WORKS (APPROVED)

\_\_\_\_\_  
DATE

*original to be signed*  
\_\_\_\_\_  
Bob Nelson  
BOARD OF DIRECTORS, CHAIR (APPROVED)

\_\_\_\_\_  
DATE

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# NOTICE TO BIDDERS

Bids open at **2 PM on Tuesday, March 16, 2021** for:

## **RANDALL ROAD DEBRIS BASIN PROJECT** COUNTY PROJECT NO. **SC8371**

General project work description: The Project generally consists of providing water pollution control, traffic control, the establishment of haul routes, clearing and grubbing, grading, excavation and hauling of soil, rock, debris, and boulders, placement of base and RSP, CIDH piles and construction of debris rack structures, planting, and irrigation.

Project location description: The WORK occurs in the unincorporated area of Santa Barbara County near Montecito, California, on Flood Control District owned property and within Public Road Right of Way.

Plans, Specifications, and Bid Book are available at no charge at <https://www.planetbids.com/portal/portal.cfm?CompanyID=43874>

The County encourages the participation of DBEs as defined in 49 CFR 26. You are encouraged to employ craftsmen and other workers from the local labor market whenever possible to do so. Local labor market is defined as the labor market within the geographical confines of the County of Santa Barbara, State of California.

Submit bids to the web address below. Bids will be opened and available at the web address below immediately following the submittal deadline.

**PlanetBids**

<https://www.planetbids.com/portal/portal.cfm?CompanyID=43874>

Complete the project work included in the Base Bid within **140 Workings Days**. Complete the project work included in the Add Alternate within **20 Working Days**.

The estimated cost of the total for the Base Bid and Add Alternate project is **\$10,500,000.00**

A mandatory pre-bid job walk is scheduled for **Tuesday, March 2, 2021 at 2 PM**. Bidders interested in attending are to meet at the project site located at Randall Road and East Valley Road (State Highway 192).

This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.

For each bid all forms must be filled out as indicated in the bid documents. The entire Bid Book must be submitted to PlanetBids when you bid.

Prevailing wages are required on this Contract. The Director of the California Department of Industrial Relations determines the general prevailing wage rates. Obtain the wage rates at the DIR website, <https://www.dir.ca.gov/>.

The Bidder shall possess a Class A General Engineering Contractor license or a combination of Class C licenses which constitute the majority of the work in accordance with the provisions of Chapter 9, Division III of the Business and Professions Code at the time that the Bid is submitted. Failure to possess the required license(s) shall render the Bid as non-responsive and shall act as a bar to award of the Contract to any bidder not possessing said license.

Inquiries or questions based on alleged patent ambiguity of the plans, specifications, or estimate must be submitted as a bidder inquiry by **5:00 PM on March 9, 2021**. Submittals after this date will not be addressed.

Questions pertaining to this Project prior to Award of the Contract must be submitted via PlanetBids Q&A tab.

Bidders (Plan Holders of Record) will be notified by electronic mail if addendums are issued. The addendums, if issued, will only be available on PlanetBids, <https://www.planetbids.com/portal/portal.cfm?CompanyID=43874>

The OWNER reserves the right to reject any or all bids, to waive any informalities and/or inconsistencies in a bid, and to make awards to the lowest responsive, responsible bidder as it may best serve the interest of the OWNER.

By order of the Board of Directors of the Santa Barbara County Flood Control & Water Conservation District this project was authorized to be advertised on January 12, 2021.

Thomas D. Fayram  
Deputy Director, Public Works  
Water Resources Division

## COPY OF BID ITEM LIST

| BASE BID ITEMS OF WORK |                |           |  |      |          |            |            |
|------------------------|----------------|-----------|--|------|----------|------------|------------|
| Item No.               | F <sup>1</sup> | Item Code | Description  | Unit | Quantity | Unit Price | Item Total |
| 1                      |                | 999990    | MOBILIZATION   | LS   | 1        |            |            |
| 2                      |                | 051260A   | CONSTRUCTION SURVEY                                  | LS   | 1        |            |            |
| 3                      |                | 066076A   | TEMPORARY TRAFFIC CONTROL                            | LS   | 1        |            |            |
| 4                      |                | 130100    | JOB SITE MANAGEMENT                                  | LS   | 1        |            |            |
| 5                      |                | 130300    | STORMWATER POLLUTION PREVENTION PLAN                 | LS   | 1        |            |            |
| 6                      |                | 130310    | RAIN EVENT ACTION PLAN                               | EA   | 10       | \$500      |            |
| 7                      |                | 130330    | STORMWATER ANNUAL REPORT                             | EA   | 2        | \$2,000    |            |
| 8                      |                | 130320    | STORMWATER SAMPLING & ANALYSIS DAY                   | EA   | 5        | \$1,200    |            |
| 9                      |                | 131201A   | TEMPORARY CREEK DIVERSION SYSTEMS                    | LS   | 1        |            |            |
| 10                     |                | 150809    | REMOVE EXISTING RCP STORM DRAIN PIPE & HEADWALL      | LF   | 71       |            |            |
| 11                     |                | 153213    | REMOVE AND DISPOSE OF STRUCTURES AT 640 RANDALL ROAD | LS   | 1        |            |            |
| 12                     |                | 153249A   | STRUCTURE REMOVAL (MISC)                             | LS   | 1        |            |            |
| 13                     |                | 170103    | CLEARING AND GRUBBING                                | LS   | 1        |            |            |
| 14                     | F              | 190101    | ROAD EXCAVATION                                      | CY   | 1,850    |            |            |
| 15                     | F              | 192001    | EXCAVATION   | CY   | 62,500   |            |            |
| 16                     | F              | 194001    | DITCH EXCAVATION                                     | CY   | 242      |            |            |
| 17                     |                | 206300A   | TEMPORARY IRRIGATION SYSTEM                          | LS   | 1        |            |            |
| 18                     | F              | 204009A   | INSTALL PLANTS                                       | SQFT | 48,706   |            |            |
| 19                     |                | 035633A   | 4-INCH CRUSHED GABION ROCK                           | CY   | 260      |            |            |
| 20                     |                | 260203A   | CRUSHED AGGREGATE                                    | CY   | 1,850    |            |            |
| 21                     | F              | 723095A   | ROCK SLOPE PROTECTION (25 LB, CLASS I, METHOD B)     | CY   | 50       |            |            |
| 22                     |                | 723070A   | ROCK SLOPE PROTECTION (150 LB, CLASS III, METHOD B)  | CY   | 366      |            |            |
| 23                     |                | 723110A   | ROCK SLOPE PROTECTION (1/2-TON, CLASS VII, METHOD B) | CY   | 1,725    |            |            |
| 24                     |                | 398001    | REMOVE ASPHALT CONCRETE PAVEMENT                     | SQFT | 17,535   |            |            |
| 25                     |                | 490400A   | 24" DRILLED HOLE                                     | LF   | 224      |            |            |
| 26                     | F              | 490535A   | FURNISH 12-INCH STEEL PIPE PILING                    | LB   | 17,735   |            |            |
| 27                     | F              | 550203A   | FURNISH STRUCTURAL STEEL                             | LB   | 8,160    |            |            |
| 28                     | F              | 520101A   | REINFORCEMENT STEEL                                  | LB   | 16,945   |            |            |

<sup>1</sup> "F" denotes Final Pay Item  
 NTB\_Specials\_Technicals\_RRDB  
 County Project No. **SC8371**

|  |   |         |  |      |        |           |  |
|--|---|---------|--|------|--------|-----------|--|
| 29   | F | 510526A | MINOR CONCRETE (BACKFILL)                              | CY   | 175    |           |  |
| 30   |   | 150230A | DESTROY WELL   | EA   | 4      |           |  |
| 31   | F | 066801A | ACCESS GATES & HARDWARE                                | LS   | 1      |           |  |
| 32   |   | 036843A | POST & RAIL FENCE                                      | LF   | 453    |           |  |
| 33   |   |         | SET BENCH AND BOULDERS                                 | LS   | 1      |           |  |
| <b>CONTRACTOR'S BASE BID ITEMS SUBTOTAL</b>  |   |         |  |      |        |           |  |
| <b>ADD ALTERNATE ITEMS OF WORK</b>   |   |         |  |      |        |           |  |
| 34   |   | 130100  | JOB SITE MANAGEMENT                                    | LS   | 1      |           |  |
| 35   |   | 131201A | TEMPORARY CREEK DIVERSION SYSTEMS                      | LS   | 1      |           |  |
| 36   | F | 153248A | STRUCTURE REMOVAL (MISC)                               | LS   | 1      |           |  |
| 37   |   | 170103  | CLEARING AND GRUBBING                                  | LS   | 1      |           |  |
| 38   | F | 192001  | EXCAVATION   | CY   | 29,600 |           |  |
| 39   | F | 194001  | DITCH EXCAVATION                                       | CY   | 39     |           |  |
| 40   |   | 206300A | TEMPORARY IRRIGATION SYSTEM                            | LS   | 1      |           |  |
| 41   | F | 204009A | INSTALL PLANTS   | SQFT | 34,955 |           |  |
| 42   |   | 035633A | 4-INCH CRUSHED GABION ROCK                             | CY   | 340    |           |  |
| 43   | F | 723095A | ROCK SLOPE PROTECTION (25, CLASS I, METHOD B)          | CY   | 25     |           |  |
| 44   |   | 723070A | ROCK SLOPE PROTECTION (150 LB, CLASS III, METHOD B)    | CY   | 226    |           |  |
| 45   |   | 723110A | ROCK SLOPE PROTECTION (1/2-TON, CLASS VII, METHOD B)   | CY   | 1,495  |           |  |
| 46   |   | 490400A | 24" DRILLED HOLE                                       | LF   | 128    |           |  |
| 47   | F | 490535A | FURNISH 12-INCH STEEL PIPE PILING                      | LB   | 21,183 |           |  |
| 48   | F | 550203A | FURNISH STRUCTURAL STEEL                               | LB   | 7,072  |           |  |
| 49   | F | 520101A | REINFORCEMENT STEEL                                    | LB   | 12,609 |           |  |
| 50   | F | 510526A | MINOR CONCRETE (BACKFILL)                              | CY   | 145    |           |  |
| 51   |   | 150230A | DESTROY WELL   | EA   | 2      |           |  |
| <b>CONTRACTOR'S ADD ALTERNATE ITEMS SUBTOTAL</b>   |   |         |  |      |        |           |  |
| 52   |   |         | Supplemental work (Additional Water Pollution Control) | LS   | 1      | \$5,000   |  |
| 53   |   |         | Supplemental work (Additional Traffic Control)         | LS   | 1      | \$2,500   |  |
| 54   |   |         | Supplemental work (Additional Rock Excavation)         | LS   | 1      | \$100,000 |  |
| 55   |   |         | Supplemental work (Imported Borrow)                    | LS   | 1      | \$10,000  |  |
| <b>SUPPLEMENTAL WORK BID ITEMS SUBTOTAL</b>  |   |         |  |      |        |           |  |
| <b>TOTAL BASE BID (Base Bid + Supplemental Work Items) *</b>                               |   |         |  |      |        |           |  |
| <b>TOTAL BASE BID + ADD ALTERNATE (Base Bid + Add Alternate + Supplemental Work Items)</b> |   |         |  |      |        |           |  |

\*Basis for determination of lowest responsible bidder per Section 2-1.09 of the Flood Control District Provisions.

# FLOOD CONTROL DISTRICT PROVISIONS

The work provided herein must be performed in accordance with the *Caltrans Standard Specifications*, 2018 edition (*Standard Specifications*). The *Standard Specifications* are incorporated herein by reference.

## MODIFICATIONS TO STANDARD SPECIFICATIONS

### DIVISION I GENERAL PROVISIONS

#### 1 GENERAL

##### Add to section 1-1.01:

See sections 2 and 3 for contractors' DIR registration requirements.

For local material from (1) a noncommercial source or (2) a source not regulated under California jurisdiction, you must submit a local material plan and analytical test results for pH, lead, and other constituents for each site. See section 6-1.03B(1) for the specifications.

##### Replace or add the following terms to section 1-1.07B:

**Acceptance:** The formal written approval by the Agency of a project which has been completed in all respects in accordance with the plans and specifications and any modifications thereof.

**Agency:** The Santa Barbara County (CA) Flood Control and Water Conservation District.

**APWA Standard Plans:** Standard Plans for Public Works Construction, promulgated by the American Public Works Association (Southern California Chapter)/Associated General Contractors of California (Southern California Districts) Joint Cooperative Committee, published by Building News Inc., 3055 Overland Avenue, Los Angeles, California 90034, 2009 edition.

**Board:** The Governing Board of Directors of the Santa Barbara County (CA) Flood Control and Water Conservation District.

**Business day:** Day on the calendar except Saturday, Sunday, and a holiday.

**Caltrans:** State of California, Business & Transportation Agency, Department of Transportation

**County:** The County of Santa Barbara, a political subdivision of the State of California.

**County Clerk:** The County Clerk of the County of Santa Barbara.

**County Standard Details:** Standard Details of the County of Santa Barbara Department of Public Works Roads Division, dated September, 2011

**Department:** The Santa Barbara County Flood Control District acting by and through its Department of Public Works; its authorized representatives.

**Department of Transportation:** The Santa Barbara County (CA) Flood Control and Water Conservation District

**District:** The Santa Barbara County (CA) Flood Control and Water Conservation District

**District Office:** The Santa Barbara County (CA) Flood Control and Water Conservation District Office

**Director:** Director of Public Works of the County of Santa Barbara, or the Director's duly authorized representative.

**Engineer:** The Flood Control District Engineer acting either directly or through properly authorized agents, such agents acting within the scope of the particular duties delegated to them.

**Flood Control:** The Santa Barbara County (CA) Flood Control and Water Conservation District

**Green Book:** Standard Specifications for Public Works Construction, 2015 edition, including supplements published by Building News, Inc., Los Angeles, CA.

**Holiday:** Holidays are shown in the following table:

| <b>Holidays</b>                     |                            |
|-------------------------------------|----------------------------|
| Holiday                             | Date observed              |
| Every Sunday                        | Every Sunday               |
| New Year's Day                      | January 1st                |
| Birthday of Martin Luther King, Jr. | 3rd Monday in January      |
| Washington's Birthday               | 3rd Monday in February     |
| Memorial Day                        | Last Monday in May         |
| Independence Day                    | July 4th                   |
| Labor Day                           | 1st Monday in September    |
| Veterans Day                        | November 11th              |
| Thanksgiving Day                    | 4th Thursday in November   |
| Day after Thanksgiving Day          | Day after Thanksgiving Day |
| Christmas Day                       | December 25th              |

If January 1st, July 4th, November 11th, or December 25th falls on a Sunday, the Monday following is a holiday. If January 1st, July 4th, November 11th, or December 25th falls on a Saturday, the preceding Friday is a holiday.

**Owner:** Same meaning as Agency

**Prompt:** The briefest interval of time required for a considered reply, including time required for approval by governing body

**State:** The State of California and its political subdivisions, including the Santa Barbara County (CA) Flood Control and Water Conservation District.

**State Standard Plans:** Standard plans prepared by State of California, Business & Transportation Agency, Department of Transportation (Caltrans)

**Supplemental Work:** Bid Item Work that is only performed if directed by the Engineer in writing.

**Replace line “2.1” under item “2. working day” in section 1-1.07B with:**

2.1. Saturday, Sunday, and a holiday

**Add to section 1-1.11:**

**Websites, Addresses, and Telephone Numbers**

| Reference or agency or department unit                      | Website   | Address   | Telephone number |
|---|---|---|------------------|
| Department of Industrial Relations<br>Prevailing Wage Rates | <a href="https://www.dir.ca.gov/Public-Works/Prevailing-Wage.html">https://www.dir.ca.gov/Public-Works/Prevailing-Wage.html</a>                       |   |                  |
| Caltrans, Office of Construction Contract Standards         | <a href="http://ppmoe.dot.ca.gov/des/oe/construction-contract-standards.html">http://ppmoe.dot.ca.gov/des/oe/construction-contract-standards.html</a> |   |                  |
| County PlanetBids Portal                                    | <a href="https://www.planetbids.com/portal/portal.cfm?CompanyID=43874">https://www.planetbids.com/portal/portal.cfm?CompanyID=43874</a>               |   | (805) 568-3440   |
| County Municipal Code                                       | <a href="https://www.municode.com/library/CA/Santa_Barbara_County">https://www.municode.com/library/CA/Santa_Barbara_County</a>                       |   |                  |
| Flood Control Construction Manager                          |   | CONSTRUCTION MANAGER<br>Filippin Engineering, Kelly Wheeler | 805-448-5619     |
| Flood Control Project Manager                               |   | PROJECT MANAGER<br>Jon Frye                                 | 805-568-3444     |

**Delete the row for Office Engineer in the table of section 1-1.11.**

**Replace section 1-1.12 with:**

**1-1.12 MISCELLANY**

Make checks and bonds payable to the Santa Barbara County Flood Control & Water Conservation District.

**2 BIDDING**

**Add to section 2-1.01:**

More than one Bid from an individual, firm, partnership, corporation, or association under the same or different names will not be considered. If the OWNER has reasonable grounds for believing that any Bidder is interested in more than one Bid for the WORK contemplated, all Bids in which such Bidder is interested will be rejected. If the OWNER believes that collusion exists among the Bidders, all Bids will be rejected and collusion participants shall be restricted from submitting further proposals. A party who has quoted prices to a Bidder is not hereby disqualified from quoting prices to other Bidders, or from submitting a Bid directly for the WORK.

Each Bidder (including the Bidder's Superintendent assigned to the Project) shall be skilled, experienced, regularly engaged in and qualified to perform the type of work called for in the Bid documents.

If you are found to be not qualified to bid, your bid will be rejected.

**Replace section 2-1.06A with:**

**2-1.06A General**

The *Bid Book* includes bid forms and certifications.

The *Notice to Bidders and Special Provisions, Bid Book*, and project plans are available on the County's PlanetBids Portal.

Caltrans Standard Specifications, Revised Standard Specifications, Standard Plans and Revised Standard plans are available at State of California, Department of Transportation (Caltrans) Office of Construction Contract Standards website.

**Replace section 2-1.06B with:**

**2-1.06B Supplemental Project Information**

The Department makes supplemental information available as specified in the special provisions.

If an *Information Handout* or sections are available, you may view them at the County's PlanetBids Portal.

**Add to section 2-1.07:**

The failure or neglect of the Bidder to receive or examine any of the bid documents shall in no way relieve the Bidder from any obligations required by the bid documents. No claims for additional compensation will be allowed which is based upon lack of knowledge of any bid documents.

**Add to section 2-1.09:**

The Board of Directors reserves the right to waive technical errors and discrepancies if it determines it is in the public interest to do so.

If the project has additive bid items or additive groups, the lowest responsible bidder will be determined in accordance with Public Contract Code Division II, Part 3, Chapter 1, Section 20103.8, Subdivision (c) and as follows:

- The lowest responsible bidder will be determined on the basis of the Total Base Bid.

**Add to section 2-1.10:**

On the Subcontractor List you may either submit the percentage of each bid item subcontracted with your bid or E-Mail the percentage to: [jfrye@cosbpw.net](mailto:jfrye@cosbpw.net) within 2 business days after bid opening. You are solely responsible for correcting any inadvertent errors in the license numbers within 2 business days of bid opening. Failure to correct the license numbers in compliance with instructions and Public Contract Code § 4104 will cause the bid to be nonresponsive.

If you make a clerical error in listing subcontractors, submit a written notice to the Director within 2 business days after the time of the bid opening. Send copies of the notice to the subcontractors involved.

**Delete sections 2-1.15 to 2-1.27.**

**Replace section 2-1.33A with:**

**2-1.33A General**

Complete the forms in the *Bid Book*.

Use the forms provided by the Department except as otherwise specified for a bidder's bond.

Submit *Bid Book* forms and copies of the forms as instructed in the *Notice to Bidders*. For Federal-Aid projects, submit *Bid Book* DBE forms in accordance to section 2-1.33B.

Failure to submit the forms and information as specified may result in a nonresponsive bid.

Include all applicable federal, state and local taxes in your bid amount.

Unauthorized conditions, limitations, or provisos attached to the Bid shall render it informal and may cause its rejection as being non-responsive. The Bid forms shall be completed without interlineations, alterations, or

erasures in the printed text. Alternative Bids will not be considered unless called for. The Board of Directors reserves the right to waive technical errors and discrepancies if it determines it is in the public interest to do so.

**Replace section 2-1.33B(2)(b) of the RSS with:**

**2-1.33B(2)(b) Contracts with a DBE Goal**

For a contract with a DBE goal, as shown on the Notice to Bidders, submit the bid forms according to the schedule shown in the following table:

**Bid Form Submittal Schedule for a Federal-Aid Contract with a DBE Goal**

| Form   | Submittal deadline   |
|--|--|
| Bid to the Department  | Time of bid except for the public works contractor registration number |
| Copy of the Bid to the Department as submitted at the time of bid with the public works contractor registration number | 10 days after bid opening  |
| Subcontractor List   | Time of bid except for the public works contractor registration number |
| Copy of the Subcontractor List as submitted at the time of bid with the public works contractor registration number    | 10 days after bid opening  |
| Opt Out of Payment Adjustments for Price Index Fluctuations <sup>a</sup>   | Time of bid  |
| DBE Commitment ( <b>Exhibit 15-G</b> )   | No later than 4 p.m. on the 5th day after bid opening <sup>b</sup>     |
| DBE Confirmation ( <b>Written confirmation of each listed DBE is required</b> )  | No later than 4 p.m. on the 5th day after bid opening <sup>b</sup>     |
| DBE Good Faith Efforts Documentation ( <b>Exhibit 15-H</b> )   | No later than 4 p.m. on the 5th day after bid opening <sup>b</sup>     |

<sup>a</sup> Submit only if you choose the option.

<sup>b</sup> If the last day for submitting the bid form falls on a Saturday or holiday, it may be submitted on the next business day with the same effect as if it had been submitted on the day specified.

**Replace section 2-1.33B(2)(c) of the RSS with:**

**2-1.33B(2)(c) Contracts without a DBE Goal**

For a contract without a DBE goal, as shown on the Notice to Bidders, submit the bid forms according to the schedule shown in the following table:

**Bid Form Submittal Schedule for a Federal-Aid Contract without a DBE Goal**

| Form   | Submittal deadline   |
|--|--|
| Bid to the Department  | Time of bid except for the public works contractor registration number |
| Copy of the Bid to the Department as submitted at the time of bid with the public works contractor registration number | 10 days after bid opening  |
| Subcontractor List   | Time of bid except for the public works contractor registration number |
| Copy of the Subcontractor List as submitted at the time of bid with the public works contractor registration numbers   | 10 days after bid opening  |
| Opt Out of Payment Adjustments for Price Index Fluctuations <sup>a</sup>   | Time of bid  |

<sup>a</sup> Submit only if you choose the option.

**Replace section 2-1.33B(3) of the RSS with:**

**2-1.33B(3) Non-Federal-Aid Contracts**

For a non-federal-aid contract, submit the bid forms according to the schedule shown in the following table:

**Bid Form Submittal Schedule for a Non-Federal-Aid Contract**

| Form   | Submittal deadline   |
|--|--|
| Bid to the Department  | Time of bid except for the public works contractor registration number |
| Copy of the Bid to the Department as submitted at the time of bid with the public works contractor registration number | 10 days after bid opening  |
| Subcontractor List   | Time of bid except for the public works contractor registration number |
| Copy of the Subcontractor List as submitted at the time of bid with the public works contractor registration number    | 10 days after bid opening  |
| Opt Out Payment Adjustment for Price Index Fluctuations <sup>a</sup>   | Time of bid  |

<sup>a</sup> Submit only if you choose the option.

**Replace section 2-1.34 with:**

**2-1.34 BIDDER'S SECURITY (PUB CONTRACT CODE § 20129(a))**

Submit one of the following forms of bidder's security equal to at least 10 percent of the bid:

1. Cash
2. Cashier's check made payable to the Santa Barbara County Flood Control & Water Conservation District
3. Certified check made payable to the Santa Barbara County Flood Control & Water Conservation District
4. Signed bidder's bond by an admitted surety insurer made payable to the Santa Barbara County Flood Control & Water Conservation District

Submit bidder's security with the *Bid Book* before the bid opening time.

If using a bidder's bond, you may use the form in the *Bid Book*.

If the bid schedule includes alternative or additive items or additive groups, the bid bond must equal at least 10% of the bid plus all alternatives and additives.

**Replace the 2nd paragraph of section 2-1.40 with:**

A bidder may withdraw or revise a bid after it has been submitted to the office if this is done before the bid opening date and time.

**Replace the first paragraph in section 2-1.50 with:**

If reasonable cause exists to believe collusion exists among bidders, or that prices bid are unbalanced between bid items, any or all proposals may be rejected.

**3 CONTRACT AWARD AND EXECUTION**

**Replace section 3-1.02B with:**

The Department breaks a tied bid with a coin toss.

**Replace section 3-1.04 with:**

**3-1.04 CONTRACT AWARD**

Submit any bid protest before 5:00 p.m. of the 10th business day following bid opening to the Department. Include the name, address, and telephone number of your designated representative with a complete statement for grounds of the protest. The protest must refer to the specific portion of the document that forms the basis for the protest.

If the County awards the contract including additive items or additive groups, total bid shall include Total Base Bid

plus those additive items or Total Base Bid plus those additive groups used in determining the lowest responsible bidder.

In its discretion, the Santa Barbara County Flood Control District may accept or reject any bids. The decision of the Board of Directors shall be final in accepting or rejecting the bid protest, awarding the bid to the next lowest responsive, responsible bidder, or rejecting any or all bids

If the District awards the contract, the award is made to the lowest responsible bidder within 65 days. If the lowest responsible bidder refuses or fails to execute the contract, the Director may award the contract to the second lowest responsible bidder. Such award, if made, will be made within 80 days after the opening of bids. If the second lowest responsible bidder refuses or fails to execute the contract, the Director may award the contract to the third lowest responsible bidder. Such award, if made, will be made within 95 days after the opening of bids. The periods of time specified above within which the award of contract may be made shall be subject to a time extension as may be agreed upon in writing between the Department and the bidder concerned.

**Replace section 3-1.05 with:**

**3-1.05 CONTRACT BONDS (PUB CONT CODE § 20129(b) AND CIV CODE § 9554)**

The successful bidder must furnish 2 bonds:

1. Payment bond to secure the claim payments of laborers, workers, mechanics, or materialmen providing goods, labor, or services under the Contract. This bond must be equal to at least 100 percent of the total bid. The payment bond must also contain provisions which automatically increase amounts thereof and/or time of completion or both for all change orders, extensions and additions to the work provided pursuant to this Agreement.
2. Performance bond to guarantee the faithful performance of the Contract. This bond must be equal to at least 100 percent of the total bid.

You may provide alternative securities for monies withheld to ensure performance per the terms of Public Contract Code § 22300.

The District furnishes the successful bidder with bond forms.

Both the payment and performance bonds must be executed by one and only one surety. That Surety must be admitted and listed in the Insurance Organizations Authorized By The Insurance Commissioner To Transact Business Of Insurance In The State Of California for the current year, and must be further authorized by the commissioner to issue surety insurance.

**Delete section 3-1.08.**

**Delete section 3-1.11.**

**Replace section 3-1.18 with:**

**3-1.18 CONTRACT EXECUTION**

The successful bidder must sign the District Agreement (Contract) and deliver to the District the following documents:

1. Three (3) copies of the District Agreement (Contract) bearing your original signatures.
2. Two (2) copies of the Performance and Payment Bonds.
3. Insurance Certificates.
4. Executed Taxpayer Identification Number and Certification (IRS Form W-9) and Withholding Exemption Certificate (CA Form 590).
5. A copy of your Injury and Illness Prevention Program.
6. A copy of your policy on drugs and alcohol.

The District must receive these documents by 4:00 pm on the 8th business day after the bidder receives the unexecuted Contract.

The bidder's security may be forfeited, and a successful bidder may be prohibited from participating in future bidding on the project, for failure to execute the contract within the time specified.

**Add to section 3-1.19 with:**

**3-1.19 BIDDERS SECURITIES**

In accordance with Public Contract Code § 20129, upon an award to the lowest bidder(s), the security of an unsuccessful bidder must be returned in a reasonable period of time, but in no event will that security be held by the County beyond sixty (60) days from the time the award is made.

The person to whom the contract is awarded must execute a bond to be approved by the board for the faithful performance of the contract.

## 4 SCOPE OF WORK

**Add to list in the 1st paragraph of section 4-1.06B:**

3. Material differing from that represented in the Contract which you believe may be hazardous waste;
4. Subsurface or latent physical conditions at the site differing from those described by and shown in information available to bidders prior to submitting bids;

**Add to end of section 4-1.06B:**

The local public entity will promptly investigate the conditions, and if it finds that the conditions do materially so differ, or do involve hazardous waste, and cause a decrease or increase in your cost of, or the time required for performance of any part of the work will issue a change order under the procedures described in the Contract.

## 5 CONTROL OF WORK

**Replace last paragraph of section 5-1.01 with:**

Contract administration forms are available at the State's website for your use.

Before starting Work, you must contact all jurisdictional agencies and determine from each: 1) scope of work to be inspected and by whom, 2) scope of testing, and 3) advance notice required.

During the course of work, you must be responsible for calling for testing and inspection as required by the jurisdictional agencies. Work not properly tested and inspected will be subject to rejection.

If any work that is to be inspected, tested or approved is covered by you without written concurrence of the Engineer, it must, if requested by the Engineer, be uncovered for observation. Uncovering work will be at your expense unless you have given Engineer timely notice of your intention to cover the same and Engineer has not acted with reasonable promptness to such notice.

Any plan or method of work suggested by the Owner or the Engineer to you but not specified or required, if adopted or followed by you in whole or in part, must be used at the risk and responsibility of you. The Owner and the Engineer must assume no responsibility therefor and in no way be held liable for any defects in the work which may result from or be caused by use of such plan or method of work.

**Replace the 2nd paragraph of section 5-1.02 with:**

If a discrepancy exists:

1. The governing ranking of Contract parts in descending order is:
  - 1.1 Permits from other agencies as may be required by law
  - 1.2 Addendums
  - 1.3 Notice to Bidders and Special Provisions (Technical Provisions supersede Flood Control District Provisions)
  - 1.4 Project plans
  - 1.5 Revised standard specifications
  - 1.6 Standard specifications
  - 1.7 Revised standard plans
  - 1.8 Standard plans
  - 1.9 Supplemental project information
2. Written numbers and notes on a drawing govern over graphics

3. A detail drawing governs over a general drawing
4. A detail specification governs over a general specification
5. A specification in a section governs over a specification referenced by that section

Except, when there is a conflict of working hours the more stringent requirement will apply. Change Orders, Supplemental Agreements, and approved revisions to Plans and Specifications will take precedence over Items 2) through 5) above. Detailed plans will have precedence over general plans.

**Add to section 5-1.03**

If you and the District are unable to reach agreement on disputed work, the District may order you to proceed with the work, and you may submit a claim.

Although not to be construed as proceeding under extra work provisions, you must proceed as provided in Section 9-1.04, Force Account.

**Add to section 5-1.09:**

Section 5-1.09 applies if there is a bid item for *Partnering*.

**Delete section 5-1.13C.**

**Delete section 5-1.13D.**

**Add to section 5-1.16:**

You must notify the Owner, in writing, when you desire to change the Project Manager and Superintendent, and must provide in writing the name, qualifications, and experience statements of the personnel you propose to use

**Add to section 5-1.17:**

You must implement a policy on drugs and alcohol conforming to 49 CFR Part 40.

**Add to section 5-1.23A:**

Materials must not be furnished or fabricated, nor any work done for which shop drawings or submittals are required, before those shop drawings or submittals have been reviewed, as provided herein. Neither review nor approval of shop drawings or submittals by the Engineer will relieve you from responsibility for errors, omissions, or deviations from the Bid Documents, unless such deviations were specifically called to the attention of the Engineer in the letter of transmittal. You will be responsible for the correctness of the submittals and shop drawings, including shop fits, field connections, and results obtained by use of such drawings.

You must pay Flood Control for review of any submission that varies from what the plans and specifications have called for, and/or for the review of any submission that is redundant (for example, submitting similar portland cement concrete mix designs from more than one supplier).

**Add to list under the 4th paragraph of section 5-1.23A:**

4. Federal Project Number, if any.

**Add section 5-1.23B(2)(a):**

**5-1.23B(2)(a) Record Drawings**

You must maintain a complete and accurate record of all changes of construction from that shown in these plans and specifications for the purpose of providing a basis for construction record drawings. No changes must be made without prior written approval of the Engineer.

Upon completion of the project, you must deliver a reproducible print record of all of the approved construction changes to the Engineer along with a separate letter certifying that other than the noted changes on this record, the project was constructed in conformance with the Bid Documents. Failure to submit the final record drawing may result in final payment request not being processed.

**Add to section 5-1.23C:**

Where the manufacturer of any material or equipment provides written recommendations or instructions for its use or method in installation (including labels, tags, manuals, or trade literature), such recommendations or instructions

must be complied with except where the contract documents specifically require deviations. Copies of such manufacturer's recommendations must be provided by you to the Engineer.

**Replace "3" in the second paragraph of section 5-1.27B with "4"**

**Replace section 5-1.27C with:**

Make your records available for inspection, copying, and auditing by d representatives for the same time frame specified under section 5-1.27B. The records of subcontractors and suppliers must be made available for inspection, copying, and auditing by District representatives for the same period. Before Contract acceptance, the District representative notifies the Contractor, subcontractor(s), or supplier(s) five (5) business days before inspection, copying, or auditing.

If an audit is to start more than 30 days after Contract acceptance, the District representative notifies the Contractor, subcontractor(s), or supplier(s) of the date when the audit is to start.

**Replace the 2nd through 4th paragraphs of section 5-1.27E with:**

Submit change order bills to Engineer.

**Add to section 5-1.30**

The Agency will not be precluded or stopped by any measurement, estimate, or certificate made either before or after the completion and acceptance of the work and payment therefor from showing the true quantity and character of the work performed and materials furnished by you, nor from showing that any such measurement, estimate, or certificate is untrue or is incorrectly made, nor that the work or materials do not in fact conform to the contract.

The Agency will not be precluded or estopped, notwithstanding any such measurement, estimate, or certificate and payment in accordance therewith, from recovering from you, your surety, or both, such damages as it may sustain by reason of your failure to comply with the terms of the contract.

The failure of the Engineer to observe or to notify you of deviations from the approved plans and specifications, whether or not such deviations could have been corrected if such notification had been given, will in no way relieve you of any responsibility or liability for your failure to complete, and you will be required to repair and complete the work covered by this contract in exact accordance with the approved plans and specifications and all applicable laws and regulations; and the Agency will not be estopped or be deemed to have waived its right to insist on exact compliance by you with the plans and specifications and other terms of the contract because of such failure to observe or notify you of such defects or because of any progress or final payments made to you pursuant to the terms of this contract or the issuance of any inspection reports or any certificates of partial or final completion.

Neither the acceptance by the Engineer or by his representative nor any payment for or acceptance of the whole or any part of the work, nor any extension of time, nor any possession taken by the Engineer will operate as a waiver of any portion of the contract or of any right to damages.

A waiver of any breach of the contract will not be held to be a waiver of any other or subsequent breach.

**Add to section 5-1.32:**

Any agreement between you and a third party for use of private property for staging of equipment and storage of materials associated with this project must conform to any and all applicable land use ordinances and laws.

If you use private property for staging and storage of materials associated with this project, you must submit a written agreement from the property owner per Section 5-1.20B(4). Sample property-owner agreements are available on the Caltrans website.

Local private property owners may be interested in accepting excavated materials from the project site. Bidders are not allowed to enter into exclusive-rights agreements for the disposal thereon of said material.

**Add to section 5-1.36A:**

You must provide the regional notification center "Inquiry Identification" number to the District prior to the commencement of excavation or other work close to any underground facility. You are responsible for keeping the Inquiry Identification number valid throughout the duration of the construction contract.

**Replace section 5-1.43 with:**

You must follow Pub Cont Code § 9204 to pursue a potential claim.

**Add to section 5-1.46**

Neither the final certificate of payment nor any provision in the bid documents, nor partial or entire use of the improvements by the owner, will constitute an acceptance of work not done in accordance with the bid documents or relieve you of liability in respect to any express warranties or responsibility for faulty materials or workmanship.

You must attend the Final Job Walkthrough Meeting to be held prior to final payment at a time designated by the Engineer. Your representative must be present at all times during the final job walkthrough.

**6 CONTROL OF MATERIALS**

**Delete the 2nd sentence of the 3rd paragraph of section 6-1.02.**

**Replace the 2nd paragraph of section 6-1.05 with:**

Submit a substitution request no later than the 4th business day following bid opening.

**Replace the 7th paragraph of section 6-2.01A with:**

For a material specified to comply with a property shown in the following table, the County tests under the corresponding test shown:

| Property                   | Test  |
|----------------------------|---|
| Relative compaction        | ANSI/ASTM D 1557 or California Tests 2016 or 231    |
| Sand equivalent            | California Test 217                                 |
| Resistance (R-value)       | California Test 301                                 |
| Grading (sieve analysis)   | California Test 202                                 |
| Durability Index           | California Test 229                                 |
| Soil moisture content      | ASTM D 3017   |
| In place soil density      | ASTM D 2922 or D 1556 or D 2922 or D 2937 or D 3017 |
| Max/min soil index density | ASTM D 4253 and D 4254                              |

**Add to section 6-2.03B:**

The Engineer will perform compaction tests to ascertain conformance with the specifications. The number of tests and their locations and depths will be determined by the Engineer. You must, as directed by the Engineer, make all excavations and subsequent backfill and compaction, required to perform the compaction tests. No additional compensation will be provided therefor.

You are responsible for any costs for materials testing services if you cancel the request less than 8 hours prior to the scheduled testing.

**Replace the 1<sup>st</sup> paragraph of section 6-2.03C:**

No materials must be incorporated into the project without first presenting evidence of testing, and complying with release procedures, or without first submitting a Certificate of Compliance with the delivered materials. The Project Number, Item Number, and Statement of Compliance with the Project Specification must appear on all Certificates of Compliance.

Any attempts to incorporate material without certified release tags, or acceptable Certificates of Compliance, must be just cause for immediate suspension of the construction operation involved. All materials that are untagged or do not have Certificates of Compliance, that are placed or installed in the Project by you or your subcontractor must be considered as placed or installed at your own expense and the District must not be charged therefor.

Materials incorporated into the Project without the required release tags or Certificates of Compliance must be removed, if directed by the Engineer, at no cost to the District.

**7 LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC**

**Replace section 7-1.02I(1) with:**

**7-1.02I(1) Santa Barbara County Code, Chapter 2, Article XIII  
Sec. 2-94. - Exceptions.**

The provisions of this article shall not apply to contracts or agreements for the acquisition, exchange or disposition of real property or interests therein, nor to contracts or agreements with the State of California, or its political subdivisions, or with the United States of America.

**Sec. 2-95. - Prohibition of unlawful discrimination in employment practices.**

The County of Santa Barbara reserves the right to terminate forthwith each and every written contract and agreement (except purchase orders) respecting real property, goods and/or services entered into by the County of Santa Barbara including but not limited to concessions, franchises, construction agreements, leases, whether now in effect or hereinafter made if the County finds that the Contractor is discriminating or has discriminated against any person in violation of any applicable state or federal laws, rules or regulations which may now or hereafter specifically prohibit such discrimination on such grounds as race, religion, sex, color, national origin, physical or mental disability, Vietnam era veteran/disabled, age, medical condition, marital status, ancestry, sexual orientation, or other legally protected status. This right of termination extends to contracts entered into by the County of Santa Barbara or by its joint powers, agencies or agents so long as the County obtains the consent of those parties.

Such finding may only be made after Contractor has had a full and fair hearing on notice of thirty days before an impartial hearing officer at which hearing Contractor may introduce evidence, produce witnesses and have the opportunity to cross-examine witnesses produced by the County. Further, any finding of discrimination must be fully supported by the facts developed at such hearing and set forth in a written opinion; and in addition, Contractor may move in the appropriate court of law for damages and/or to compel specific performance of a Contractor or agreement if any of the above procedures are not afforded to the Contractor. If Contractor is not found to have engaged in unlawful discriminatory practices, County shall pay all costs and expenses of such hearing, including reasonable attorneys' fees, to Contractor in accordance with current Santa Barbara County Superior Court schedule of attorneys' fees for civil trials. If Contractor is found to have engaged in such unlawful discriminatory employment practices, Contractor shall pay all such costs, expenses and attorneys' fees.

Whether or not a contract or agreement is still in existence at the time of final determination of such unlawful discrimination, the Contractor shall forthwith reimburse the County for all damages directly stemming from such discrimination; however, those damages shall not exceed and are not reimbursable in an amount which exceeds amounts paid to Contractor under the terms of the contract or agreement.

Nothing in this section 2-95 shall directly or by interpretation give a private cause of action to any third party (not a signatory to the contract or agreement) including employees past or present, or applicants for employment to Contractor, it being the sole purpose of this clause to administratively assure compliance with the nondiscrimination clauses contained herein.

With respect to employment discrimination, employment practices shall include, but are not limited to, employment, promotion, demotion, transfer, recruitment and advertising for recruitment, layoff or other termination, rate of pay, employee benefits and all other forms of compensation or selection for training and apprenticeship and probationary periods.

Contractor shall permit access at all reasonable times and places to all of its records of employment, advertising, application forms, tests and all other pertinent employment data and records, to the County of Santa Barbara, its officers, employees and agents for the purpose of investigation to ascertain if any unlawful discrimination as described herein has occurred or is being practiced, provided that such records are relevant to a complaint of an unlawful discriminatory practice which has been forwarded to Contractor reasonably prior to the time Contractor is asked to make such records available. In addition, all such records shall be deemed "Confidential" by the officers, employees and agents of the County. No records or copies of such records may be removed from the premises of Contractor, and no disclosure, oral or written, of such record may be made to third parties except as provided within the agreement. Provided, however, that in the event of a hearing to determine whether or not Contractor is engaging in unlawful discrimination in employment practices as defined herein, the Board of Supervisors of Santa Barbara County may issue subpoenas to require that certified copies of such records be made available to the hearing.

Failure to fully comply with any of the foregoing provisions shall be deemed to be a material breach of any contract or agreement with the County of Santa Barbara. All persons contracting with

or who have contracts for goods or services with the County shall be notified that this chapter applies to their contract or agreement with the County of Santa Barbara.

**Sec. 2-95.5. - Exceptions.**

Notwithstanding any other provisions in this article, any party contracting with the County of Santa Barbara having an affirmative action program which has been approved within twelve months from the date of the contract by an agency of the federal government shall be deemed to be in compliance with the provisions of this article upon furnishing documentary evidence of such approval satisfactory to the County Affirmative Action Officer. Loss of such approval shall be immediately reported by such party to the County Affirmative Action Officer.

**Sec. 2-96. - Purchase orders.**

Purchase orders shall contain the following clause as grounds for termination of such purchase order.

"If complaint is made that seller is engaging in discriminatory employment practices made unlawful by applicable state and federal laws, rules or regulations, and the State Fair Employment Practice Commission or the Federal Equal Employment Opportunities Commission determines that such unlawful discrimination exists, then the County of Santa Barbara may forthwith terminate this order."

**Sec. 2-97. - Affirmative Action Officer.**

At the discretion of the County Affirmative Action Officer, he or she shall promptly and thoroughly investigate, or cause to be investigated reports and complaints from whatever source, that any party contracting with the County of Santa Barbara is engaging, or during the term of a contract or agreement with the County of Santa Barbara has engaged, in any unlawful discriminatory employment practices as described in section 2-95 of this Code. If the investigation discloses reason to believe such unlawful discrimination does exist or has existed and the conditions giving rise thereto have not been changed so as to prevent further such unlawful discrimination, and the said party shall not forthwith terminate such unlawful discrimination, take all appropriate steps to prevent a recurrence of such or other unlawful practices, and compensate the person or persons unlawfully discriminated against for any and all loss incurred by reason of such unlawful discrimination, all to the satisfaction of the Affirmative Action Officer, then the Affirmative Action Officer shall cause the matter to be presented for action to the State Fair Employment Practices Commission or the Federal Equal Employment Opportunities Commission, or both, and to any other concerned state or federal agencies or officers.

If and when it has been finally determined by the Affirmative Action Officer, County Counsel, or state or federal regulatory agencies that such unlawful discriminatory employment practice has in fact so occurred or are being carried on, then the Affirmative Action Officer shall forthwith present the entire matter to the Board of Supervisors of the County, together with all damages, costs and expenses related thereto and incurred by County, for appropriate action by the Board of Supervisors in accord with the intent and purposes of this article and of the affirmative action program of the County of Santa Barbara.

**Sec. 2-98. - Youth group anti-discrimination.**

- (a) Neither the County of Santa Barbara, nor any of its agencies, departments, affiliates, or political subdivisions over which it exercises jurisdiction, shall:
  - (1) Deny any youth group equal access to, or fair opportunity to conduct meetings or other events at, or otherwise utilize any public facility;
  - (2) Deny any youth group use permits or licenses regarding, or otherwise withhold from any youth group permission to use, any public facility; or
  - (3) Otherwise discriminate against any youth group; on the basis of the membership or leadership criteria of such youth group.
- (b) For purposes of this section, a public facility shall include any public forum, limited public forum, public property, or public area including any public building, park, beach, campground, or any other area controlled or operated by the County of Santa Barbara.
- (c) For purposes of this section, a youth group means any group or organization intended to serve young people under the age of twenty-one.

**Add to section 7-1.02K(1):**

**7-1.02K(1)(a) Joint Labor Compliance Monitoring Program**

The Joint Labor Compliance Monitoring Program monitors labor compliance by conducting interviews with construction workers at the job site. You, and all subcontractors, must cooperate in allowing approved Compliance Group Representatives along with a County employee access to the project employees and work site for the purpose of conducting worker interview to ensure compliance with the requirement to pay prevailing wages on County projects. This will be done in order to comply with the Board of Supervisors July 10, 2012 adoption of a Joint Labor Compliance Monitoring Program.

Each Compliance Group Representative will always be accompanied with a County employee for a joint contractor worker interview. The Compliance Group Representative will be issued an identification card by the County at the job site. Compliance Group Representatives must restrict their actions to interviewing workers employed on the project. A copy of the Joint Labor Compliance Monitoring Program and Board Letter adoption from July 10, 2012 is available on request.

**7-1.02K(1)(b) Compliance Monitoring by the Department of Industrial Relations**

This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations (Labor Code § 1771.4).

**Replace the 2nd paragraph of section 7-1.02K(2) with:**

The general prevailing wage rates and any applicable changes to these wage rates are available on the California Department of Industrial Relations website.

**Replace the 6th through 10th paragraphs of section 7-1.02K(3) with:**

Submit certified payroll by mail to the Department.

Each submission must:

1. Include a signed Statement of Compliance form with each weekly record.
2. Be received by the Department by close of business on the 15th day of the month for the prior month's work.

**Add to section 7-1.02K(5):**

Working hours on working days will be between the hours of 7:00 a.m. and 4:30 p.m. No work will be done or noise generated outside these hours except such work as is necessary for the proper care and protection of the work already performed or in case of an emergency.

If the Contractor desires to work during periods other than above, the Contractor must make a request to the Engineer three (3) working days in advance. If District inspection forces are reasonably available, the Engineer may authorize the Contractor to perform work during periods other than normal working hours/days. However, if District inspectors are required to perform in excess of their normal working hours/days solely for the benefit of the Contractor, the actual cost of inspection at overtime rates will be charged to the Contractor as actual costs deducted from your payment. If certain operations require extended or non-standard working hours, those operations and hours will be specified in the 'Technical Provisions' of the Contract.

**Add to section 7-1.02K(6)(a):**

Your Injury and Illness Prevention Program must include:

1. Safety manual
2. Jobsite checklist
3. Equipment safety checklist
4. Tailgate safety meetings
5. Permit application and job notification form (Construction, Demolition, Trenches, Excavation, Building, Structures, Falsework, Scaffolding) Form Cal/OSHA S-691, latest edition

**Add to section 7-1.02K(6)(b):**

You must obtain a State Division of Industrial Safety Permit for excavations and trenches prior to commencement of any excavation or trench of 5 feet or more in depth per California Code of Regulations, Title 8, Division 1, Chapter 3.2, Subchapter 2, Article 2, Section 341 and Title 8, Division 1, Chapter 4, Subchapter 4 of the California Occupational Safety and Health Regulations (Cal/OSHA). A copy of the permit must be submitted to the

Engineer. All excavations must be completed and maintained in a safe and stable condition throughout the total construction phase in order to protect persons, property, trees and improvements. Structure and trench excavations must be completed to the specified elevations and to the length and width required to safely install, adjust, and remove any forms, bracing, or supports necessary for the installation of the work and/or protection of existing features. Excavations outside of the lines and limits shown on the drawings or specified herein required to meet safety requirements must be your responsibility in constructing and maintaining a safe and stable excavation.

**Replace section 7-1.02M(4) Reserved with:**

**7-1.02M(4) American Medical Response, Santa Barbara County**

For all temporary road closure activities, contact the nearest emergency medical response company for the area, American Medical Response, and provide the project location(s) and road closure schedule. Please see contact information below:

**American Medical Response, Santa Barbara County Contact Information**

|                 | Name                 | Phone          | Email  |
|-----------------|----------------------|----------------|--|
| AMR Main Office | Santa Barbara County | (805) 688-6550 | <a href="mailto:amr.santa.barbara@amr.net">amr.santa.barbara@amr.net</a> |

**Replace section 7-1.02M(5) Reserved with:**

**7-1.02M(5) Sheriff, Santa Barbara County**

For all temporary road closure activities, contact the County of Santa Barbara Sheriff's office at [dispatchstaff@sbsheriff.org](mailto:dispatchstaff@sbsheriff.org).

**Replace section 7-1.02P with:**

**7-1.02P County Ordinance**

**7-1.02P(1) General**

Comply with County Ordinances.

County Ordinances are available at the County Municipal Code website and at County offices located at 123 East Anapamu Street, Santa Barbara, CA 93101.

Any references in State Standard Specifications to statutory provisions applicable only to state contracts or which are inconsistent with statutory provisions applicable to County or local agency contracts, will not prevail over, and will be superseded by, any statutory provisions applicable to County or local agency contracts.

**7-1.02P(2) Grading**

Comply with section 13, 17, and 19.

Santa Barbara County Ordinance No. 4766 and Ordinance No. 691 prohibits the dumping of debris or other materials in a watercourse so as to obstruct or impede normal flow of water therein.

**7-1.02P(3) Preservation of Monuments**

Comply with Ordinance 1491, Sec. 28-49.

**Delete last sentence of Section 7-1.03 paragraph 15**

**Delete last sentence of Section 7-1.04 paragraph 7**

**Add to section 7-1.05:**

**7-1.05 INDEMNIFICATION**

**7-1.05A General**

You must indemnify, defend (with counsel reasonably approved by County and District) and hold harmless County and District and its officers, officials, employees, agents and volunteers from and against any and all claims, actions, losses, damages, judgments and/or liabilities arising out of this Agreement from any cause whatsoever, including the acts, errors or omissions of any person or entity and for any costs or expenses (including but not limited to attorneys' fees) incurred by County and District on account of any claim except where such indemnification is caused by the active negligence, sole negligence, or willful misconduct of the County and District.

### 7-1.05B Notification of Accidents and Survival of Indemnification Provisions

You must notify County and District immediately in the event of any accident or injury arising out of or in connection with this Agreement. The indemnification provisions must survive any expiration or termination of this Agreement.

### 7-1.05C Responsibility to Other Entities

You are responsible for any liability imposed by law and for injuries to or death of any person, including workers and the public, or damage to property. Indemnify and save harmless any county, city or district and its officers and employees connected with the work, within the limits of which county, city, or district the work is being performed, all in the same manner and to the same extent specified for the protection of the County and District.

**Replace section 7-1.06 with:**

### 7-1.06 INSURANCE

#### 7-1.06A General

You must procure and maintain for the duration of this Agreement insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder and the results of your work, your agents, representatives, employees or subcontractors.

#### 7-1.06B Minimum Scope and Limit of Insurance

Coverage shall be at least as broad as:

1. **Commercial General Liability (CGL):** Insurance Services Office (ISO) Form CG 00 01 covering CGL on an "occurrence" basis, including products-completed operations, personal & advertising injury, with limits no less than \$2,000,000 per occurrence and **\$4,000,000** in the aggregate.
2. **Automobile Liability:** ISO Form Number CA 00 01 covering any auto (Code 1), with limit no less than **\$2,000,000** per accident for bodily injury and property damage.
3. **Workers' Compensation:** as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease.
4. **Umbrella Liability Insurance:** An umbrella (over primary) or excess policy may be used to comply with limits or other primary coverage requirements. When used, the umbrella policy shall follow form or be at least as broad as the primary coverage. The coverage shall also apply to automobile liability.

If you maintain higher limits than the minimums shown above, the County and the District require and shall be entitled to coverage for the higher limits you maintain. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the County and the District.

#### 7-1.06C Other Insurance Provisions

The insurance policies must contain, or be endorsed to contain, the following provisions:

1. **Additional Insured** – County, its officers, officials, employees, agents and volunteers are to be covered as additional insureds on the CGL policy with respect to liability arising out of work or operations performed by you or on your behalf including materials, parts, or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to your insurance at least as broad as ISO Form CG 20 10 11 85 or if not available, through the addition of both CG 20 10 and CG 20 37 if a later edition is used).
2. **Primary Coverage** – For any claims related to this Agreement, your insurance coverage shall be primary insurance as respects the County, its officers, officials, employees, agents and volunteers. Any insurance or self-insurance maintained by the County, its officers, officials, employees, agents or volunteers shall be excess of the CONTRACTOR's your insurance and shall not contribute with it.
3. **Notice of Cancellation** – Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the County.
4. **Waiver of Subrogation Rights** – You agree to waive rights of subrogation which any of your insurer may acquire from you by virtue of the payment of any loss. You agree to obtain any endorsement that may be necessary to effect this waiver of subrogation. **The Workers' Compensation policy shall be endorsed with a waiver of subrogation** in favor of the County for all work performed by you, your employees, agents and subcontractors. This provision applies regardless of whether or not the County has received a waiver of subrogation endorsement from the insurer.
5. **Deductibles and Self-Insured Retention** – Any deductibles or self-insured retentions must be declared to and approved by the County. At County's option, either: cause the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the County, its officers, officials, employees, agents and

volunteers; or provide a financial guarantee satisfactory to the County guaranteeing payment of losses and related investigations, claim administration, and defense expenses.

6. **Acceptability of Insurers** – Unless otherwise approved by Risk Management, insurance shall be written by insurers authorized to do business in the State of California and with a minimum A.M. Best's Insurance Guide rating of "A- VII".
7. **Verification of Coverage** – You must furnish proof of insurance, original certificates and amendatory endorsements as required by this Agreement. The proof of insurance, certificates and endorsements must be received and approved by the County before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive your obligation to provide them. You must furnish evidence of renewal of coverage throughout the term of the Agreement. The County reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by these specifications, at any time.
8. **Failure to Procure Coverage** – In the event that any policy of insurance required under this Agreement does not comply with the requirements, is not procured, or is canceled and not replaced, County has the right but not the obligation or duty to terminate the Agreement. Maintenance of required insurance coverage is a material element of the Agreement and failure to maintain or renew such coverage or to provide evidence of renewal may be treated by County as a material breach of contract.
9. **Subcontractors** – You must require and verify that all subcontractors maintain insurance meeting all the requirements stated herein, and you must ensure that County is an additional insured on insurance required from subcontractors. For CGL coverage subcontractors shall provide coverage with a format least as broad as CG 20 38 04 13.
10. **Claims Made Policies** – If any of the required policies provide coverage on a claims-made basis:
  - i. The Retroactive Date must be shown and must be before the date of the contract or the beginning of contract work.
  - ii. Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of contract work.
  - iii. If coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a Retroactive Date prior to the contract effective date, you must purchase "extended reporting" coverage for a minimum of five (5) years after completion of contract work.
11. **Special Risks or Circumstances** – County reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other circumstances.

Any change requiring additional types of insurance coverage or higher coverage limits must be made by amendment to this Agreement. You agree to execute any such amendment within thirty (30) days of receipt.

Any failure, actual or alleged, on the part of County to monitor or enforce compliance with any of the insurance and indemnification requirements will not be deemed as a waiver of any rights on the part of County.

#### **7-1.06D Enforcement**

The Department may assure your compliance with your insurance obligations. Ten days before an insurance policy lapses or is canceled during the Contract period you must submit to the Department evidence of renewal or replacement of the policy.

If you fail to maintain any required insurance coverage, the Department may maintain this coverage and withhold or charge the expense to you or terminate your control of the work.

You are not relieved of your duties and responsibilities to indemnify, defend, and hold harmless the County, its officers, agents, and employees by the Department's acceptance of insurance policies and certificates.

The minimum insurance coverage amounts do not relieve you for liability in excess of such coverage, nor do they preclude the County from taking other actions available to it, including the withholding of funds under this Contract.

#### **7-1.06E Self-Insurance**

Self-insurance programs and self-insured retentions in insurance policies are subject to separate annual review and approval by the County.

If you use a self-insurance program or self-insured retention, you must provide the County with the same protection from liability and defense of suits as would be afforded by first-dollar insurance. Execution of the Contract is your acknowledgment that you will be bound by all laws as if you were an insurer as defined under Ins Code § 23 and that the self-insurance program or self-insured retention shall operate as insurance as defined under Ins Code § 22.

## 8 PROSECUTION AND PROGRESS

### Replace the 1st and 2nd paragraphs of section 8-1.04B with:

The District will issue you a Notice to Proceed after the Contract has been awarded, and establish the first Contract Working Day with you. The Notice to Proceed will list the first Contract Working Day, which must not be more than **21** calendar days past the date on which the contract was awarded.

Start jobsite activities only after the WPCP or SWPPP is authorized.

Failure to start jobsite activities within **15** calendar days of the First Working Day listed on the Notice to Proceed may be considered as failure by you to supply an adequate workforce.

### Replace the 1st paragraph of section 8-1.05 with:

Contract time starts on the day specified as the first Working Day in the Notice to Proceed. Working days will not be postponed if you do not start work on the first Working Day.

### Add to section 8-1.06:

When existing conditions are encountered which, in the opinion of the Engineer, require temporary suspension of work for design modifications or for other determinations to be made, you must move to other areas of work until such determinations are made. No additional compensation will be allowed by reason of such temporary suspension of work when you can reasonably reschedule work at a different location.

You must notify the District 24 hours minimum in advance if you decide to suspend work for one day or more. You must notify the District a minimum of 24 hours in advance of recommencing work on the project.

The days during a suspension related to your performance are working days.

### Add to section 8-1.10A:

Replace the Liquidated Damages table shown following the third paragraph with: Liquidated damages per day will be \$4,800 per calendar day.

### Add to end of section 8-1.13:

Any control exercised by the Surety towards the completion of the Project will be subject to the Bid documents, and review and approval of the District

## 9 PAYMENT

### Add to section 9-1.16A:

Submit support data with application for progress payment. Support data must include:

1. Data required by Engineer
2. Copies of requisitions from Subcontractors and material suppliers

Include the County of Santa Barbara Auditor-Controller contract number as shown on executed Agreement.

Submit the following certification with each application for progress payment:

I, the undersigned, declare under penalty of perjury under the laws of the State of California that this Application for Payment is made in good faith, that the documents substantiating this application are accurate and complete and that the foregoing is true and correct.

BY: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
(TYPE OR PRINT NAME AND TITLE OF  
PERSON SIGNING APPLICATION)

Any progress payment made after the scheduled completion date will not constitute a waiver of any liquidated

damages heretofore agreed upon as part of this Contract.

**Add to first paragraph of section 9-1.16B:**

Submit a schedule of values for any lump sum bid item requested by the Engineer.

**Replace section 9-1.16F with:**

**9-1.16F Prompt Payment of Funds Withheld to Subcontractors**

The District shall hold five (5) percent retainage from the prime contractor and shall make prompt and regular incremental acceptances of portions, as determined by the District, of the contract work, and pay retainage to the prime contractor based on these acceptances. The prime contractor, or subcontractor, shall return all monies withheld in retention from a subcontractor within 30 days after receiving payment for work satisfactorily completed and accepted including incremental acceptances of portions of the contract work by the agency. Federal law (49 CFR 26.29) requires that any delay or postponement of payment over 30 days may take place only for good cause and with the agency's prior written approval. Any violation of this provision shall subject the violating prime contractor or subcontractor to the penalties, sanctions and other remedies specified in Section 7108.5 of the Business and Professions Code. These requirements shall not be construed to limit or impair any contractual, administrative, or judicial remedies otherwise available to the prime contractor or subcontractor in the event of a dispute involving late payment or nonpayment by the prime contractor, deficient subcontract performance, or noncompliance by a subcontractor.

Pursuant to Section 22300 of the Public Contract Code, and the project specifications, the Contractor may substitute securities for monies withheld to ensure contract performance.

Upon your request, the District will make payment of funds withheld to ensure performance of the Contract if you deposit in escrow with the Santa Barbara County Treasurer, or with a bank acceptable to the District, securities eligible for investment under Government Code Section 16430, or bank or savings and loan certificates of deposits, upon the following conditions;

1. You must bear the expense of the District and the escrow agent, either the County Treasurer or the bank, in connection with the escrow deposit made.
2. Securities or certificates of deposit to be placed in escrow will be of a value at least equivalent to the quantities of retention to be paid to you pursuant to this Section.
3. You must enter into an escrow agreement satisfactory to the District, which agreement must include provisions governing inter alia:
  - 1.1. The quantity of securities to be deposited.
  - 1.2. The providing of powers of attorney, or other documents necessary for the transfer of the securities to be deposited
  - 1.3. Conversion to cash to provide funds to meet defaults by you, including but not limited to the termination of your control over the work, stop notices filed pursuant to law, assessment of liquidated damages, or other quantities to be kept or retained under the provisions of the contract
  - 1.4. Decrease in value of securities on deposit.
  - 1.5. The termination of the escrow upon completion of the contract.
4. You must obtain the written consent of the surety to such agreement

**Add to section 9-1.17C:**

Submit all outstanding extra work billing no later than 15 days after acceptance by the Department.

**Replace section 9-1.17D(3) with:**

**9-1.17D(3) Determination of Claims**

The Department reviews and resolves claims pursuant to Public Contract Code § 9204, which is summarized within this section.

The Contractor shall furnish reasonable documentation to support the claim.

The Department's costs in reviewing or auditing a claim not supported by the Contractor's accounting or other records are damages incurred by the Department within the meaning of the California False Claims Act.

The Department will review the claim and provide a written statement of findings identifying what portions are disputed and undisputed within 45 days from receipt of claim when action by the Department Board of Directors is not required. This may be extended by mutual agreement.

For claims requiring action by the Department Board of Directors, a written statement will be provided within three days following the next duly publicly noticed meeting of the Board, or 45 days from receipt of claim, whichever is later.

The Contractor may request in writing by registered or certified mail, return receipt requested, a meet and confer conference if the Contractor disputes the Department's written response, or if the Department fails to respond to a claim within the time prescribed. The Department shall schedule a meet and confer conference within 30 days of receipt of the request for settlement of the dispute. Within 10 days following the meet and confer conference, the Department shall provide the Contractor a written statement identifying the portion of the claim that remains in dispute and the portion that is undisputed.

Any disputed portion of the claim shall be submitted to nonbinding mediation, with the Department and the Contractor sharing the associated costs equally. The Department and Contractor shall mutually agree to a mediator within 10 business days after the disputed portion of the claim has been identified in writing. If the parties cannot agree upon a mediator, each party shall select and pay the cost for a mediator and those mediators shall select a qualified neutral third party to mediate. If mediation is unsuccessful, the parts of the claim remaining in dispute shall be subject to applicable procedures outside this section.

The Department will make payment of undisputed portion of claim within 60 days of written statement of findings. After 60 days of written statement of findings, the Department pays 7 percent annual interest for unpaid and undisputed portions of claims.

If a subcontractor lacks legal standing to assert a claim due to lack of privity, the Contractor may present a claim on behalf of the subcontractor, and the subcontractor may request in writing that the Contractor present the claim on its behalf, provided that the subcontractor furnishes reasonable document supporting the claim to the Department. Within 45 days of the subcontractor's request, the Contractor shall notify the subcontractor in writing of whether the claim was submitted and state the reasons why it was not submitted if the claim was not submitted.

**Delete section 9-1.22.**

## **DIVISION II GENERAL CONSTRUCTION**

### **10 GENERAL**

#### **Add to section 10-1.04:**

A weekly construction meeting may be held at a time and place designated by the Engineer with your representatives and other affected parties.

#### **Add to section 10-6:**

Attention is directed to the various sections of the Standard Specifications which require the use of water for the construction of this project.

Attention is also directed to the provisions of Section 7, "Legal Relations and Responsibility to The Public," with regard to the Contractor's responsibilities for public convenience, public safety, preservation of property, and responsibility for damage. Nothing in Section 7 shall be construed as relieving the Contractor from furnishing an adequate supply of water required for the proper construction of this project, or as relieving the Contractor from the legal responsibilities defined in said Section 7.

Water required for controlling dust, caused by the Contractor's operations and the passage of traffic through the construction site shall be applied as necessary, at the Contractor's expense. The Contractor shall, whenever possible and not in conflict with these specifications, minimize the use of water during construction of the project. Watering equipment shall be kept in good working order and water leaks shall be repaired promptly.

### **12 TEMPORARY TRAFFIC CONTROL**

#### **Add to section 12-1.01:**

You may be directed to perform additional Traffic Control. This only applies in the event that change order work that requires additional Traffic Control is ordered by the Engineer. This work is Supplemental Work and will be paid in accordance with section 9-1.04. In no case will additional Traffic Control be paid for unless the project scope has changed.

**Replace section 12-1.04 with:**

You must pay for all costs associated with flagging.

## 13 WATER POLLUTION CONTROL

**Add to list in the 1st paragraph of section 13-1.01A:**

California Stormwater Quality Association (CASQA) Construction BMP Handbook/Portal at <https://www.casqa.org/>

**Replace fourth paragraph in section 13-1.01A with the following:**

The SWPPP must comply with the California Stormwater Quality Association (CASQA) Construction BMP Handbook/Portal at <http://www.cabmphandbooks.com/>

## 14 ENVIRONMENTAL STEWARDSHIP

**Add to Section 14-1.01:**

You must notify the Engineer immediately upon request from the regulatory agencies to enter, inspect, sample, monitor, or otherwise access the project site or your records pertaining to water pollution control work. You and the Department must provide copies of correspondence, notices of violation, enforcement actions, or proposed fines by regulatory agencies to the requesting regulatory agency.

## 15 EXISTING FACILITIES

**Delete the last paragraph in Section 15-1.03B**

# DIVISION III EARTHWORK AND LANDSCAPE

## 19 EARTHWORK

**Add section 19-3.03B(6):**

**Section 19-3.03B(6) Additional Subgrade Overexcavation**

If, during the progress of excavation, material is encountered which, in the opinion of the Engineer, is unsuitable for subgrade for the structure to be constructed thereon, you must excavate beyond the limits shown on the Plans to a depth ordered by the Engineer and replace the overexcavated material with foundation material suitably densified. The suitability of subgrade will be determined by the Engineer on the basis of its ability to withstand the load of the proposed improvements and not upon the capacity to withstand the loads which may be placed thereon by your equipment. Additional overexcavation so ordered, over the amount required by the Plans or special provisions, will be paid for as provided in the Bid Item List.

If the necessity for such additional subgrade overexcavation has been caused by an act or failure to act on your part or is required for the control of groundwater, you must bear the expense of the additional excavation and foundation stabilization material. Materials used or work performed by you beyond the District's requirements for stabilization of the subgrade, so that it will withstand the loads which may be placed upon it by your equipment, must also be at your expense.

Foundation stabilization material, when required and ordered by the Engineer to provide suitable subgrade, must be gravel, crushed aggregate or other free-draining cohesionless material, must be suitable for the field conditions to which it is to be applied and must be approved by the Engineer.

Foundation stabilization material must be wrapped in a geotextile fabric, if, in the opinion of the Engineer, the foundation stabilization material approved for use is subject to piping. Geotextile fabric material and installation must conform to the provisions of Section 88, "Geosynthetics".

The quantity of additional overexcavation to be paid for will be the amount of compacted in-place cubic yards as ordered by the Engineer. No payment will be made for additional overexcavation unless removed as ordered by the Engineer. The quantity shown on the Bid Item List is a nominal allowance since no additional overexcavation is shown on the plans, and no adjustment of the unit bid price will be made for a variation in the actual versus the bid quantity. When there is no Bid Item for Additional Overexcavation, Additional Overexcavation is ordered by the Engineer, and the necessity for Additional Overexcavation was not caused by you, Additional Overexcavation is paid for as Change Order Work.

# TECHNICAL PROVISIONS

## ORGANIZATION

Special provisions are under headings that correspond with the main-section headings of the *Standard Specifications*. A main-section heading is a heading shown in the table of contents of the *Standard Specifications*.

Each special provision begins with a revision clause that describes or introduces a revision to the *Standard Specifications* as revised by any revised standard specification.

Any paragraph added or deleted by a revision clause does not change the paragraph numbering of the *Standard Specifications* for any other reference to a paragraph of the *Standard Specifications*.

## DIVISION I GENERAL PROVISIONS

Add prior to section 1:

### Bid Items and Applicable Sections

| Item code | Item description    | Applicable section |
|-----------|---------------------|--------------------|
| 999990    | MOBILIZATION        | 9                  |
| 051260A   | CONSTRUCTION SURVEY | 5                  |

## 1 GENERAL

Add to section 1-1.01:

See section 2-1.04 for mandatory pre-bid meeting requirements.

## 2 BIDDING

**Add between the 1st and 2nd paragraphs of section 2-1.06B:**

The Department makes the following supplemental project information available:

**Supplemental Project Information**

| Means                                      | Description  |
|--|--|
| Included in the <i>Information Handout</i> | Environmental Permits, Licenses, Agreements, and Certificates (PLACs):<br>1. California Fish and Wildlife 1602<br>2. Regional Water Quality Control Board Clean Water Act Section 401 Water Quality Certification No. 34220WQ01<br>3. U.S. Army Corps of Engineers Clean Water Act Section 404 Permit (SPL-2020-00099-CLH) |
| Included in the <i>Information Handout</i> | Copy of the Owner's portion of the Caltrans Double Permit  |
| Included in the <i>Information Handout</i> | Copy of CAL OSHA's COVID-19 Industry Guidance: Construction Document   |
| Included in the <i>Information Handout</i> | Copy of the Randall Road Debris Basin Geotechnical Report (Fugro, January 29, 2020)  |
| Included in the <i>Information Handout</i> | Water Well Permit Applications for destruction of wells and Plot Plans for 620 Randall Road, 650 Randall Road, and 670 Randall Road  |
| Included in the <i>Information Handout</i> | Mailing List for addresses within 500' of the project site.  |
| Included in the <i>Information Handout</i> | Temporary Right of Entry for 007-120-090   |

Geotechnical reports, if applicable, are available in the Information Handout. Geotechnical reports are not part of the Contact Documents. The Bidder may rely upon the accuracy of the technical data contained in such information, however, the interpretation of such technical data, including any interpolation or extrapolation thereof, together with non-technical data, interpretations, and opinions contained in such information or the completeness thereof is the responsibility of the Bidder.

**Replace section 2-1.04 with:**

A mandatory pre-bid job walk is scheduled for **Tuesday, March 2, 2021 at 2 PM**. Bidders interested in attending are to meet at Randall Road and East Valley Road (State Highway 192).

**5 CONTROL OF WORK**

**Add section 5-1.01A:**

**5-1.01A WORKING HOURS**

Working hours must only occur between **7:00 a.m.** and **4:30 p.m.**, on Working Days.

If you desire to work outside of this time frame, you must receive consent from the District. If consent is given, you will be responsible for payment of construction manager and/or inspector's overtime costs.

You must comply with Section 7-102K(5) regarding Labor Code requirements.

**Add to section 5-1.20B(1):**

Comply with Mitigation Measures and Conditions of Approval.

Copies of PLACs and Mitigation Measures and Conditions of Approval applicable to this project are located in the Information Handout.

**Add to the end of section 5-1.20B:**

The Santa Barbara County Flood Control District and the Contractor will be issued a State of California, Department of Transportation, Road Encroachment Double Permit for the Randall Road Debris Basin Project. An example of the Flood Control District's portion of the Double Permit is included in the Information Handout. The District's portion of the Caltrans Road Encroachment Double Permit issued for this Project will be provided to you at its earliest availability. You are responsible for applying and paying fees for, obtaining, and complying with the Contractor's portion of the Double Permit.

Permitting requirements or conditions that exceed what is included in the example permit is change order work

and compensated for in accordance with Section 9-1.04 of the Standard Specifications

**Add to the end of section 5-1.20B(4):**

Removed materials shall become the property of the Contractor and must be legally disposed of outside of the project site.

**Replace section 5-1.26 with:**

**5-1.26 CONSTRUCTION SURVEYS**

**5-1.26A General**

Section 5-1.26 includes general specifications for construction surveys, furnishing and setting construction stakes and marks to establish the lines and grades required to control the work.

Construction surveys must comply with Chapter 12, 'Construction Surveys,' of the California Department of Transportation Surveys Manual as determined by the Engineer.

The location and elevation of benchmarks and horizontal control points are shown on the plans. The Engineer will not provide any additional survey services for the project.

Submit name, license number and contact information of the professional land surveyor prior to beginning staking.

Submit proposed procedures, methods, and equipment to be used.

Submit all computations, notes and other data used to accomplish the work.

Perform construction staking under the direction of a Professional Land Surveyor registered in the State of California.

Within 2 working days of receiving notification to proceed with right-of-way staking, stake County right-of-way. Maintain right-of-way corner stakes throughout construction.

Furnish and set stakes and marks with accuracy adequate to assure completed work conforms to lines, grades and sections shown.

All conflicts between the construction drawings and the actual field conditions must be brought to the attention of the Engineer for review prior to work continuing in the area of conflict.

Remove all stakes when no longer needed.

**Add between the 2nd and 3rd paragraphs of section 5-1.32:**

Where County owned areas have been designated for the contractor's use comply with the following:

1. Do not store any of the following beneath structures:
  - 1.1 Explosives or explosive materials
  - 1.2 Flammable or combustible materials
  - 1.3 Incompatible materials, such as chlorine and ammonia, or batteries and fuels, in the same secondary containment facility
2. Material storage may not encroach on any of the following:
  - 2.1 Within 20 feet of any bridge support
  - 2.2 Within 10 feet of any exposed footing or pile cap
  - 2.3 Within a 6-foot minimum clear zone height from the bottom of superstructure to top of material storage
3. Maintain 12-foot minimum width pathways beneath each hinge, bent cap and bridge span allowing manlift vehicle access
4. Do not obstruct drainage systems

**Add to section 5-1.32:**

Personal vehicles of the contractor's employees shall not be parked on the traveled way or shoulders, including sections closed to traffic.

Any agreement between the contractor and a third party for use of private property for staging of equipment and storage of materials associated with this Project shall conform to any and all applicable land use ordinances and laws. See section 15-1.03C of these special provisions for the pre-approved stockpile locations.

If the contractor use private property for staging and storage of materials associated with this Project, the contractor

shall submit a written agreement from the property owner per Section 5-1.20B(4). Sample property-owner agreements are available on the Caltrans website.

Defend, indemnify and hold the County harmless to the same extent as under section 7-1.05.

**Replace *Reserved* in section 5-1.36C(2) with:**

The utilities shown in the following table may interfere with the work and shall be protected in place.

| Utility                                     | Location                                     |
|---|--|
| Existing Gas Line                           | 327.9' Lt "RR" 10+44.9                       |
| Existing 30" COMB Water Line                | 331.3' Lt "RR" 10+59.7                       |
| Existing Water Meter, 670 Randall Road      | 10.4' Lt "RR" 3+28.5                         |
| Existing Water Meter, 640 Randall Road      | 14.6' Rt "RR" 7+81.4                         |
| Existing Water Meter, 630 Randall Road      | 0.3' Lt "RR" 9+59.6                          |
| Existing Water Meter, 1760 East Valley Road | 438.0' Lt "RR" 10+29.5                       |
| Existing Water Meter, 1760 East Valley Road | 515.3' Lt "RR" 10+17.0                       |
| Existing Fire Hydrant                       | 21.6 Rt "RR" 3+35.1                          |
| Existing Fire Hydrant                       | 23.6 Rt "RR" 8+76.7                          |
| Existing Fire Hydrant                       | Southwest of Project across East Valley Road |
| Existing Sewer Manhole                      | 40.3 Rt "RR" 2+08.5                          |
| Existing Sewer Manhole                      | 15.5 Lt "RR" 4+81.3                          |
| Existing Sewer Manhole                      | 39.2 Rt "RR" 7+25.0                          |
| Existing Sewer Manhole                      | Southwest of Project across East Valley Road |

The utility information shown is incomplete due to recent debris flows. Make arrangements with utility owners to coordinate construction activities.

Utility location shall be concurrent with construction activities. Do not use power-operated or power-driven excavation or boring equipment within 24 inches horizontally of the exterior surface of any subsurface facilities including capped wells.

Water meters will be removed by the Montecito Water District unless otherwise noted. The 630 Randall Road water meter will be removed as part of the Add Alternate or before simultaneous construction of the Base Bid and Add Alternate. If the Add Alternate is not constructed, Contractor responsible for protecting all utilities in place that are shown for removal in the Add Alternate portion of work, as they will not be moved prior to construction.

**Add to section 5-1.36C(3):**

Storm drains, water service laterals, sewer service laterals, gas service laterals, electrical service laterals, and like facilities are expected to be found within the proposed grading limits and will interfere with the work and must be rearranged in accordance with the plans, standard specifications, and these special provisions.

Any storm drains and service laterals encountered during excavation within the proposed grading limits must be removed once they have been capped at the main and abandoned by the Montecito Sanitary District, the Montecito Water District, SoCalGas, Southern California Edison (SCE), Cox Cable, and Frontier.

Miscellaneous storm drains under 18" diameter, and abandoned utility service laterals to each property are expected to be found within the grading limits and the cost of exposing, removal, hauling, and disposal shall be included in the Clearing and Grubbing bid item of work and no additional payment made. The excavation, removal, hauling, and disposal of the existing 24" RCP storm drain and associated headwall will be paid for under the Remove Existing Storm Drain Pipe bid item of work, measured along the length of the storm drain pipe removed.

## 6 CONTROL OF MATERIALS

Add to section 6-1.03:

### 6-1.03B Submittals

#### 6-1.03B(1) Work Plan

For local material, such as rock, gravel, earth, structure backfill, pervious backfill, imported borrow, and culvert bedding, obtained from a (1) noncommercial source, or (2) source not regulated under California jurisdiction, submit a local material plan for each material at least 60 days before placing the material. The local material plan must include:

1. Certification signed by you and an engineer who is registered as a civil engineer in the State or a professional geologist licensed as a professional geologist by the State stating:

I am aware local material from a noncommercial source or a source not regulated under CA jurisdiction must be sampled and analyzed for pH and lead and may require sampling and analysis under section 6-1.03B(3) for other constituents of concern based on the land use history. I am aware that local material sources must not contain ADL at concentrations greater than 80 mg/kg total lead or equal to or greater than 5 mg/L soluble lead as determined by the Waste Extraction Test (WET) Procedures, 22 CA Code of Regs § 66261.24(a)(2) App II. I am aware that a maximum quantity of material may be excavated at the site based on the minimum number of samples taken before excavating at the site under section 6-1.03B(3).

2. Land use history of the local material location and surrounding property
3. Sampling protocol
4. Number of samples per volume of local material
5. QA and QC requirements and procedures
6. Qualifications of sampling personnel
7. Stockpile history
8. Name and address of the analytical laboratory that will perform the chemical analyses
9. Analyses that will be performed for lead and pH
10. Other analyses that will be performed for possible hazardous constituents based on:
  - 10.1. Source property history
  - 10.2. Land use adjacent to source property
  - 10.3. Constituents of concern in the ground water basin where the job site is located

The plan must be sealed and signed by an engineer who is registered as a civil engineer in the State or a professional geologist licensed as a professional geologist by the State.

If the plan requires revisions, the Engineer provides comments. Submit a revised plan within 7 days of receiving comments. Allow 7 days for the review.

#### 6-1.03B(2) Analytical Test Results

At least 15 days before placing local material, submit analytical test results for each local material obtained from a noncommercial source or a source not regulated under CA jurisdiction. The analytical test results must include:

1. Certification signed by an engineer who is registered as a civil engineer in the State or a professional geologist licensed as a professional geologist by the State stating:

The analytical testing described in the local material plan has been performed. I performed a statistical analysis of the test results using the US EPA's ProUCL software with the applicable 95 percent upper confidence limit. I certify that the material from the local material source is suitable for unrestricted use at the job site, it has a pH above 5.0, does not contain soluble lead in concentrations equal to or greater than 5mg/l as determined by the Waste Extraction Test (WET) Procedures, 22 CA Code of Regs § 66261.24(a)(2) App II, does not contain lead in concentrations above 80 mg/kg total lead, is free from all other contaminants identified in the local material plan, and will comply with the job site's basin plan and water quality objectives of the RWQCB.

2. Chain of custody of samples
3. Analytical results no older than 1 year
4. Statistical analysis of the data using US EPA's ProUCL software with a 95 percent upper confidence limit

- Comparison of sample results to hazardous waste concentration thresholds and the RWQCB's basin plan requirements and water quality objectives for the job site location

**6-1.03B(3) Sample and Analysis**

Sample and analyze local material from a (1) noncommercial source or (2) source not regulated under CA jurisdiction:

- Before bringing the local material to the job site
- As described in the local material plan
- Under US EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846)

The sample collection must be designed to generate a data set representative of the entire volume of proposed local material.

Before excavating at the (1) noncommercial material source or (2) a source not regulated under CA jurisdiction, collect the minimum number of samples and perform the minimum number of analytical tests for the corresponding maximum volume of local material as shown in the following table:

**Minimum Number of Samples and Analytical Tests for Local Material**

| Maximum volume of imported borrow (cu yd) | Minimum number of samples and analytical tests   |
|---|--|
| < 5,000                                   | 8  |
| 5,000–10,000                              | 12 for the first 5,000 cu yd plus 1 for each additional 1,000 cu yd or portion thereof   |
| 10,000–20,000                             | 17 for the first 10,000 cu yd plus 1 for each additional 2,500 cu yd or portion thereof  |
| 20,000-40,000                             | 21 for the first 20,000 cu yd plus 1 for each additional 5,000 cu yd or portion thereof  |
| 40,000–80,000                             | 25 for the first 40,000 cu yd plus 1 for each additional 10,000 cu yd or portion thereof |
| > 80,000                                  | 29 for the first 80,000 cu yd plus 1 for each additional 20,000 cu yd or portion thereof |

Do not collect composite samples or mix individual samples to form a composite sample.

Analyze the samples using the US EPA's ProUCL software with a 95 percent upper confidence limit. All chemical analysis must be performed by a laboratory certified by the SWRCB's Environmental Laboratory Accreditation Program (ELAP). The analytical test results must demonstrate that the local material:

- Is not a hazardous waste
- Has a pH above 5.0
- Has an average total lead concentration, based upon the 95 percent upper confidence limit, at or below 80 mg/kg
- Is free of possible contaminants identified in the local material plan
- Complies with the RWQCB's basin plan for the job site location
- Complies with the RWQCB's water quality objectives for the job site location

**6-1.03C Local Material Management**

Do not place local material until authorized.

If the Engineer determines the appearance, odor, or texture of any delivered local material suggests possible contamination, sample and analyze the material. The sampling and analysis is change order work unless (1) hazardous waste is discovered or (2) the analytical test results indicate the material does not comply with section 6-1.03B(3).

Dispose of noncompliant local material at an appropriately permitted CA Class I, CA Class II or CA Class III facility. You are the generator of noncompliant local material.

**Add to section 6-1:**

**6-1.06 BUY CLEAN CALIFORNIA ACT**

**6-1.06A Summary**

The materials or products shown in the following table are subject to the Buy Clean California Act (Pub Cont Code § 3500 et seq.):

| Material or product             | Material specifications  |
|---------------------------------|--|
| Carbon steel rebar <sup>a</sup> | Section 52-1.02B, "Bar Reinforcement"<br>Excludes epoxy-coated or galvanized reinforcement uses.   |
| Structural steel <sup>b</sup>   | Section 55-1.02D(1), "General," – Structural Steel and Other Materials tables and Section 99, "Building Construction"<br>For hot-rolled, plate or hollow products. |

<sup>a</sup>For each mill providing 20,000 pounds or more on the Project

<sup>b</sup>For each mill providing 5,000 pounds or more on the Project

For product category rules for applicable materials or products, go to the METS website. Use the product category rule in effect on the date of bid opening unless otherwise authorized. An environmental product declaration is not required for a material or product for either of the following conditions:

1. Applicable product category rule has expired without replacement as of the bid opening date.
2. Applicable product category rule was issued less than 100 days before the bid opening date.

**6-1.06B Definitions**

**environmental product declaration:** Independently verified document created and verified under International Organization for Standardization (ISO) 14025 for Type III environmental declarations that identifies the global warming potential emissions of the facility-specific material or product through a product stage life cycle assessment.

**product category rule:** Program operator established rule based on the science of life cycle assessment that governs the development of the environmental product declaration for the material or product.

**product stage:** Boundary of the environmental product declaration that includes (1) raw material supply, (2) transportation processes, and (3) processing operations, including operations such as melting, mixing, fabrication, finishing, curing, cooling, trimming, packaging and loading for transport delivery. Commonly referred to as a "cradle-to-gate" life cycle assessment.

**program operator:** Independent agency that supervises and confirms the full environmental product declaration development process under ISO 14025.

**raw material supply:** Upstream processes which can include allocations, extraction, refinement, reclamation, handling and processing of the constituents used in producing the material or product.

**transportation processes:** Includes transportation of raw, reclaimed or recycled material constituents from the supplier to the gate of the manufacturer, producer or fabricator. Includes transport of related waste products.

**6-1.06C Submittals**

At least 15 days before submitting environmental product declarations, the contractor shall register on the Department’s Data Interchange for Materials Engineering. Follow the registration process at:  
<https://dime.dot.ca.gov/>

Submit environmental product declarations for applicable materials or products to the Department’s Data Interchange for Materials Engineering and provide PDF copies to the Engineer. Carbon steel rebar or structural steel environmental product declarations shall be mill produced.

Immediately notify the Engineer if a program operator has determined their product category rule does not allow for development of a facility-specific environmental product declaration for an applicable material or product. Include written correspondence from the program operator. If the Engineer determines the development of a facility-specific environmental product declaration for an applicable material or product cannot be achieved, no environmental product declaration will be required for that specific material or product.

## 7 LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC

Replace section 7-1.02M(2) with:

### 7-1.02M(2) Fire Prevention

Inform nearest fire station of planned schedule of work including:

1. Project schedule
2. Description of work
3. Specific work components with fire risks such as welding, grinding and clearing with gasoline powered machinery.

Cooperate with local fire prevention authorities in eliminating hazardous fire conditions.

Immediately report to the nearest fire suppression agency fires occurring within the project limits.

Prevent project personnel from setting open fires that are not part of the work.

Prevent the escape of and extinguish fires caused directly or indirectly by job site activities

Except for motor trucks, truck tractors, buses, and passenger vehicles, equip all hydrocarbon-fueled engines, both stationary and mobile including motorcycles, with spark arresters that meet USFS standards as specified in the Forest Service Spark Arrester Guide. Maintain the spark arresters in good operating condition. Spark arresters are not required by Cal Fire, the BLM, or the USFS on equipment powered by properly maintained exhaust-driven turbo-charged engines or equipped with scrubbers with properly maintained water levels. The Forest Service Spark Arrester Guide is available at the district offices.

Each toilet must have a metal ashtray at least 6 inches in diameter by 8 inches deep half-filled with sand and within easy reach of anyone using the facility.

Locate flammable materials at least 50 feet away from equipment service, parking, and gas and oil storage areas. Each small mobile or stationary engine site must be cleared of flammable material for a radius of at least 15 feet from the engine.

Furnish the following fire tools:

1. 1 shovel and 1 fully charged fire extinguisher UL rated at 4 B:C or more on each truck, personnel vehicle, tractor, grader, or other heavy equipment.
2. 1 shovel and 1 backpack 5-gallon water-filled tank with pump for each welder.
3. 1 shovel or 1 chemical pressurized fire extinguisher, fully charged, for each gasoline-powered tool, including chain saws, soil augers, and rock drills. The fire tools must always be within 25 feet from the point of operation of the power tool. Each fire extinguisher must be of the type and size required by the Pub Res Code § 4431 and 14 CA Code of Regs § 1234. Each shovel must be size O or larger and at least 46 inches long.

Furnish a pickup truck and driver that will be available for fire control during working hours.

### Add section 7-1.03A:

#### 7-1.03A STANDARD NOTIFICATIONS

You must deliver written notice to each residence within 500 feet of the project area two weeks minimum prior to commencement of project activities. The format and content of each notice must be approved by the Engineer (see example below).

Such notice must at minimum give the name of the Project, the duration of the Contract period, daily work hours for the proposed work, typical parking and access restrictions anticipated for the work the Contractor's representative and phone number, the County representative and phone number, along with any other information requested by the Engineer. All notices shall be approved by the Engineer for content and delivery schedule prior to actual delivery.

All notices must be in the format of door hangers (14 inches by 4 inches, 110 Springhill Index or approved equal) and be hung at the main door of each residence or business affected. The text of such notices must have one side printed in English with the reverse side printed in Spanish.

The following is an example of language required:

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**NOTICE  
TO AREA RESIDENCES**

The Santa Barbara County Flood Control District hereby informs you that (Contractor) will be constructing the Name of Project. The contract period is from (date) to (date).

Work on the Project will typically be performed between the hours of 7:00 AM and 4:30 PM.

We appreciate your patience and cooperation during this Project. If you have any questions, or require additional information please contact the following:

Contractor, Contact's Name and Telephone Number

Santa Barbara County Flood Control District, Contact's Name and Telephone Number

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Maintain a log of all notifications. The log is to include the following information:

1. Property owner
2. Person of contact (If applicable)
3. Date of notification
4. Time of notification
5. Method of notification.

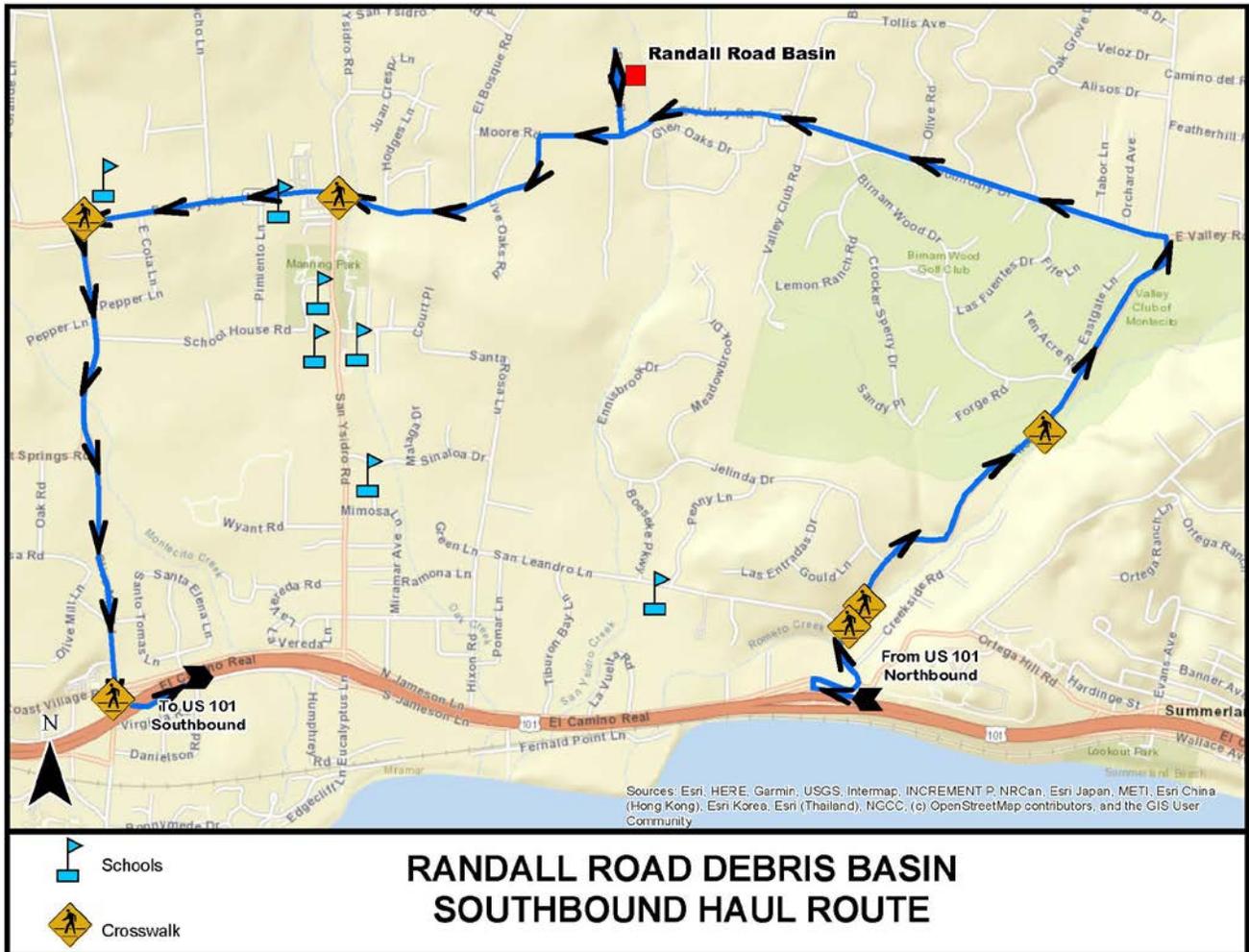
At a minimum, notifications must be made to properties within 500' of the project site. The mailing list with which Contractors should use is included in the Informational Handout.

**Add section 7-1.03B:**

**7-1.03B TRUCKING AND HAUL ROUTE REQUIREMENTS**

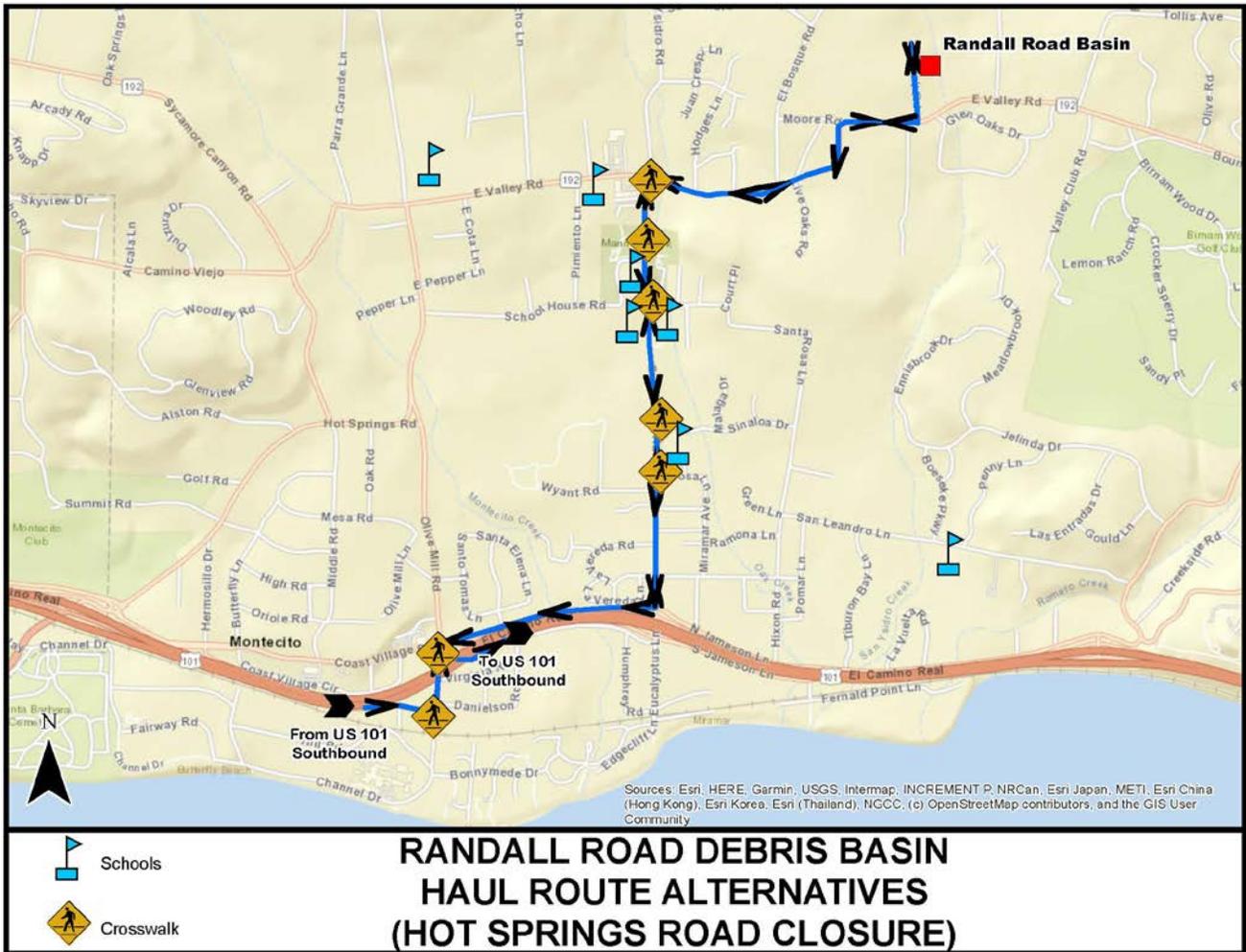
Your trucking and hauling operations for excavation export must conform to these special provisions. When trucks exiting the project site utilize US 101 north bound to reach your disposal site, their route must comply with North Bound Preference 1 (shown below). When trucks exiting the project site utilize US 101 south bound to reach your disposal site, their route must comply with South Bound Preference 1 (shown below). If you do not utilize US 101 to reach your disposal site, you must submit your proposed haul routes for review and approval to the County of Santa Barbara – Transportation Division - Traffic Section. Proposed haul routes must be submitted at least 14 days in advance of being used.



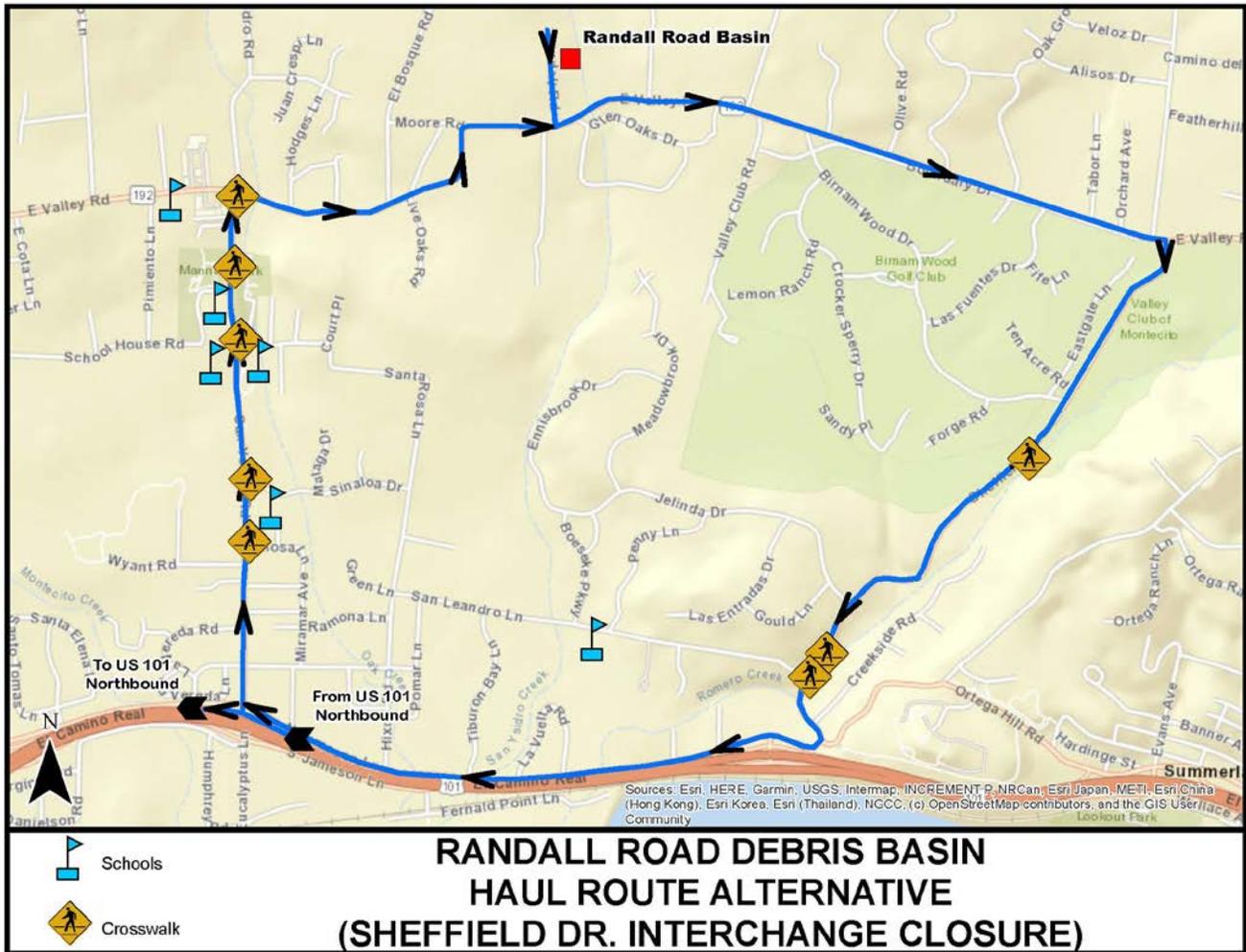


In general, public roads may not all be open and available for your use during all times of the project duration. It is your responsibility to check haul routes for feasibility and availability each work day. In the event that haul routes are not available or feasible, or there are overriding public convenience or public safety concerns determined by the Engineer, you must cooperatively work with the County of Santa Barbara – Transportation Division to develop alternative haul routes. Under no circumstances will road closures, traffic, limited roadway access, public convenience, or public safety be grounds for additional compensation.

It is anticipated that the County of Santa Barbara – Transportation Division will performing work on Hot Springs Rd., between Olive Mill Rd. and SR 192 (E. Valley Rd.), from April 2, 2021 – May 21, 2021 (approximately). This work is expected to include lane closures with reverse control and traffic delays. In the event this road work adversely impacts your hauling operations you may, at your option and with prior notification to the Engineer, alter your haul route to comply with the Haul Route Alternatives (Hot Springs Road Closure) exhibit shown below. These alternative haul routes are only available to you when work on Hot Springs Rd. is occurring.



The US 101 Southbound on and off ramps at Sheffield Dr. are anticipated to be closed for the duration of this project. US 101 Northbound on and off ramps at Sheffield Drive are anticipated to be closed sometime in the Spring/Summer of 2021. In the event that US 101 Southbound on and off ramps at Sheffield Dr. are closed, truck haul routes must comply with Haul Route Alternatives (Sheffield Dr. Interchange Closure) shown below.



All loaded trucks must be legal loads as defined by in the California Vehicle Code (CVC). For any “Extralegal Loads” you must apply for and obtain a Transportation Permit from the County of Santa Barbara – Transportation Division – Permits Section (4417 Cathedral Oaks; Santa Barbara, CA 93110; 805-681-4990). You are responsible for permit costs and complying with all permit conditions.

Haul trucks may not que or stage within public Road Right of Way. Under no circumstances are trucks allowed to park on County residential streets, including times for breaks and lunch.

All loaded trucks must be completely tarped to prevent dust.

Place two C44 traffic warning signs on SR 192, as described elsewhere in the contract documents, prior to any trucking and hauling operations being performed. Remove or cover all warning signs when there are no hauling operations occurring.

All truck drivers must be adequately informed of the trucking and haul route requirements and safety concerns. Haul routes are adjacent to schools and traverse crosswalks, strict observance of speed limits must be observed. You must administer weekly trucking and haul route requirement and safety training updates, when requested by the Engineer. Failure to comply with the trucking and haul route requirements may result in the permanent barring of offending truck drivers from the project.

Deploy and operate two (2) Portable Changeable Message Signs (PCMS) during your hauling operations in conformance with Section 12-3.32 of the Standard Specifications and these special provisions. Program and locate the PCMS as directed by the Engineer. You may be directed to relocate each PCMS twice during the project in addition to each time that your haul route changes. PCMS deployment, operations, and relocations shall be considered as included in other applicable items of work and no additional compensation will be allowed therefore.

You must video and/or photo document the pre-project roadway and pavement conditions along the approved haul routes and submit this documentation to the Engineer prior to use of each haul route. A lack of documentation of any pre-project roadway damage may result in roadway damage being attributed to your hauling operations and require repairs as described in these special provisions.

You are responsible for monitoring the haul route during each day of hauling operations for roadway damage and report any new damage to the Engineer immediately. You are responsible for repairing damages to the roadway pavement, appurtenances and structures caused by your hauling operations. Final repairs must consist of HMA. Interim repairs consisting of temporary cold mix AC may be utilized for periods not to exceed 2 weeks. Notwithstanding, if repairs are not performed immediately, work or repairs may be done by the District, or other responsible agencies, with costs to be borne by you.

**Add to section 7-1.04:**

You must provide temporary fencing between your operations and the public in accordance with the Mitigation Measures and Conditions of Approval and as shown on the plans. Temporary fencing must comply with Section 16-2.03.

## DIVISION II GENERAL CONSTRUCTION

**Add prior to section 10:**

**Bid Items and Applicable Sections**

| Item code | Item description                                     | Applicable section |
|-----------|--|--------------------|
| 066076A   | TEMPORARY TRAFFIC CONTROL                            | 12                 |
| 130100    | JOB SITE MANAGEMENT                                  | 13                 |
| 130300    | STORMWATER POLLUTION PREVENTION PLAN                 | 13                 |
| 130310    | RAIN EVENT ACTION PLAN                               | 13                 |
| 130330    | STORMWATER ANNUAL REPORT                             | 13                 |
| 130320    | STORMWATER SAMPLING & ANALYSIS DAY                   | 13                 |
| 131201A   | TEMPORARY CREEK DIVERSION SYSTEMS                    | 13                 |
| 150809    | REMOVE EXISTING RCP STORM DRAIN PIPE & HEADWALL      | 15, 71             |
| 153213    | REMOVE AND DISPOSE OF STRUCTURES AT 640 RANDALL ROAD | 15                 |
| 153249A   | STRUCTURE REMOVAL (MISC)                             | 15, 60             |

### 10 GENERAL

**Replace "Reserved" in section 10-1.01 of the RSS for section 10-1 with:**

The Project Plans consist of one plan sets, for RANDALL ROAD DEBRIS BASIN PROJECT (35 Sheets).

The following is a general description of the type of work for each bid item listed in the Bid Schedule, and is not intended to be all-inclusive. Comply with the contract documents for the work.

The Project will consist of a Base Bid and Add Alternate. The Base Bid will consist of constructing a debris basin within the parcels of 640, 650, 660, 670, and 680 Randall Road. The five parcels combined are approximately 5-acres. In addition to the five parcels, 1760 East Valley Road will be available for staging east of San Ysidro Creek and is approximately 0.9-acres. Existing houses, foundations, driveways, service laterals, wells, septic tanks, excess debris & rubble, and other miscellaneous items exist above ground or beneath the surface. Removal of these structures will be paid under Structure Removal (Misc.), Remove 640 Randall Road, Remove Existing Storm Drain Pipe, and Destroy Well. The site will be cleaned of objectionable material and debris within the proposed grading and will be paid for under Clearing and Grubbing. From channel benching elevations, the basin will be graded with a mild slope of approximately 0.25% towards San Ysidro Creek. The border of the basin will conform to existing ground elevations with a stable side-slope. The material excavated when forming the basin will be paid for under Excavation. Access to the basin will be provided by constructing a northern maintenance ramp. A berm extending from east to west will be constructed at the southern end, within 620 Randall Road. Two debris racks will be constructed in a straight-line configuration that is angled down towards the outer border of the basin. The debris

racks will be paid for under 24" Drilled Hole, Furnish 12-Inch Steel Pipe Piling, Furnish Structural Steel, Reinforcement Steel, and Minor Concrete (Backfill).

Under the Base Bid, the existing Randall Road will be stripped of pavement and resurfaced with aggregate base that may be graded from native materials. Removal of the existing pavement will be paid for under Remove Asphalt Concrete Pavement. A parking lot and access gate will be constructed near the southern end of Randall Road and will be surfaced with gabion rock that may be graded from native materials. Excavation of existing subgrade will be paid for under Road Excavation. The aggregate used to resurface Randall Road will be paid for under Crushed Aggregate. The gabion rock used for the parking lot will be paid under 4-Inch Crushed Gabion Rock. A small drainage ditch on the east side of Randall Road will convey roadway runoff down the western maintenance ramp and towards a Caltrans cross culvert under East Valley Road.

In the Add Alternate, an additional portion of the basin will be constructed within parcels 620 Randall Road, 630 Randall Road, and 1760 East Valley Road. Combined with the Base Bid all eight parcels are approximately 8.1-acres. The southern berm within 620 Randall Road will be extended north along the conform of the basin side slope east of Randall Road. An additional berm will also be constructed on the southern end of 1760 East Valley Road. Two additional ramps will be constructed under the Add Alternate. One to be constructed within 640 and 650 Randall Road; the other to be constructed within 1760 East Valley Road. An access gate at 1760 East Valley Road will be constructed. Access gates will be paid for under Access Gates & Hardware.

Two additional debris racks will be constructed under the Add Alternate. These will be angled at 120 degrees and embedded in the southern berms at 620 Randall Road and 1760 East Valley Road. The debris racks will be paid for under 24" Drilled Hole, Furnish 12-INCH Steel Pipe Piling, Furnish Structural Steel, Reinforcement Steel, and Minor Concrete (Backfill).

The debris rack footing, channel benching, basin side-slopes, ditch outfalls, and maintenance ramp ditches will be armored with rock slope protection that may be graded from native materials. Rock slope protection materials will be paid for under Rock Slope Protection (25 LB, Class I, Method B), (150 LB, Class III, Method B), and (½-ton, Class VII, Method B).

Bid items quantified as lump sum items are required to submit a schedule of values according to section 9-1.16B. The schedule of values must be authorized by the Engineer prior to progress payments.

Bid items of work shown on the plans or indicated in the specifications or miscellaneous items of work which are not specifically identified in the bid item descriptions or bid schedule are included in lump sum items of work and must be identified in the Schedule of Values submittal by the Contractor and no additional payment will be made.

#### Summary BASE BID Item Descriptions:

##### 1. MOBILIZATION

As defined in Section 9-1.16D of the Caltrans Standard Specifications and the special provisions supplemented herein.

The Contractor is responsible for all costs associated with insurance, bonds, permits and fees, submittals, moving onto the job, establishment of stock pile operations, moving off the job, removal, clean up and restoration of stock pile area and limits of work, project phasing, supervision, coordination of concurrent work with other contractors, meetings and other work indicated in the Contract Documents.

Mobilization will be paid for as lump sum based on invoices for mobilization and startup costs in the first payment and then based on percentage of construction completed for all following payments

##### 2. CONSTRUCTION SURVEY

Section 5-1.26 "Construction Surveys," of the Caltrans Standard Specifications does not apply. Comply with Section 5-1.26 of these special provisions. The Contractor is responsible for all project construction surveying and for establishing necessary lines and grades to complete the work. Surveying must be performed under the direction of a Licensed Land Surveyor or Civil Engineer authorized by the State of California to provide these services.

Survey monuments must be preserved in accordance with Section 5-1.36 "Property and Facility Preservation".

##### 3. TEMPORARY TRAFFIC CONTROL

Comply with Section 12 of the Caltrans Standard Specifications, the project plans and special provisions supplemented herein, the Caltrans Double Permit, and section 7-1.03B of the Special Provisions. Temporary Traffic Control is intended to be all-inclusive and shall include the preparation of Traffic Control Plans, implementation and maintenance of the traffic control system during the project. Implementation of the Traffic Control System includes all items listed in the authorized Traffic Control Plan including but not limited to constriction area signs, detour signs, barricades and any other required traffic appurtenances. This item also includes furnishing, maintaining, and installing PCMS boards as described in the project documents.

4. **JOB SITE MANAGEMENT**

Comply with Section 13-4 of the Caltrans Standard Specification and these special provisions. Job Site Management includes specifications for performing job site management including spill prevention control, material management, waste management, and non-stormwater management activities. Implement effective handling, storage, usage, and disposal practices to control material pollution and manage waste and non-stormwater at the job site before they enter the storm drain systems and receiving waters.

Compliance with mitigation measures, in the permits, licenses, agreements, and the conditions of approval appended to the specifications is the responsibility of the contractor to understand and implement. Payment for compliance and implementation of mitigation measures is considered included in Job Site Management and no separate payment will be included.

Job Site Management also includes providing appropriate control of the work as described in Section 5, 6, 7, and 8 of the Caltrans Specifications, Flood Control District Provisions, and Technical Specifications.

5. **STORM WATER POLLUTION PREVENTION PROGRAM**

Comply with Section 13-3 of the Caltrans Standard Specifications and the special provisions supplemented herein. Prepare Storm Water Pollution Prevention Plan includes developing and implementing the SWPPP, providing a water pollution control manager, conducting water pollution control training, and monitoring, inspecting and correcting water pollution control practices.

6. **RAIN EVENT ACTION PLAN**

Comply with Section 13-3 of the Caltrans Standard Specifications and the special provisions supplemented herein.

7. **STORM WATER ANNUAL REPORT**

Comply with Section 13-3 of the Caltrans Standard Specifications and the special provisions supplemented herein.

8. **STORM WATER SAMPLING AND ANALYSIS DAY**

Comply with Section 13-3 of the Caltrans Standard Specifications and the special provisions supplemented herein.

9. **TEMPORARY CREEK DIVERSION SYSTEMS**

Comply with Sections 13-11 and 13-12 of the special provisions supplemented herein and all PLACs. The lump sum bid item price includes all labor, materials and equipment and incidentals for the installation, maintenance and removal of the creek diversion and to ensure that no construction activities occur in flowing water.

The Contractor is responsible for all dewatering necessary to keep the construction and work areas dry. The Contractor must design, install, operate, and maintain an adequate system. The system must be of sufficient size and capacity to maintain a dry condition without delays to construction operations.

10. **REMOVE EXISTING RCP STORM DRAIN PIPE AND HEADWALL**

Comply with Section 15, 60, and 71 of the Caltrans Standard Specification and these special provisions. This work shall include all labor, equipment and material necessary to remove and legally dispose of the 24" RCP pipe and headwall located at 670 Randall Road.

11. **REMOVE AND DISPOSE OF STRUCTURES AT 640 RANDALL ROAD**

Comply with Section 15, 60, and 71 of the Caltrans Standard Specification and these special provisions. This work shall include all labor, equipment and material necessary to remove and legally dispose or relocate structures currently located at 640 Randall Road.

12. **STRUCTURE REMOVAL (MISC)**  
Comply with Section 15, 60, and 71 of the Caltrans Standard Specification and these special provisions. This work shall include all labor, equipment and material necessary to remove and legally dispose of structures or portions thereof, including reinforced concrete walls, PCC slabs, curbs and gutters, concrete slope pavement, drop inlets and pipes, asphalt surfacing (other than that included in the Remove Asphalt Concrete Pavement item, which is intended to be removal for asphalt concrete along the Randall Road alignment), storm drains (other than that included in the Remove Existing Storm Drain Pipe & Headwall item, which is intended to be for removal of the RCP pipe and headwall on the 670 Randall Road property), bulkheads, cut-off walls, site walls, concrete footings, fencing, pools, tennis courts, and other miscellaneous facilities from the project site to the limits as indicated on the plans.
13. **CLEARING AND GRUBBING**  
Comply with Section 17 of the Caltrans Standard Specifications and the special provisions supplemented herein. Work shall include all labor, equipment and material necessary to clear and grub the project site to the limits as indicated on the plans and as indicated in Section 17.
14. **ROAD EXCAVATION**  
Comply with Section 19-2 of the Caltrans Standard Specification and these special provisions. Payment includes all labor, equipment and material necessary to do all of the work involved in Roadway Excavation. This Item is designated as a final pay item.
15. **EXCAVATION**  
Comply with Section 19 of the Caltrans Standard Specification and these special provisions. Payment includes all labor, equipment and material necessary to do all of the work involved in Excavation. This Item is designated as a final pay item.
16. **DITCH EXCAVATION**  
Comply with Section 19-2.03H of the Caltrans Standard Specification and these special provisions. Payment includes all labor, equipment and material necessary to do all of the work involved in Ditch Excavation. This Item is designated as a final pay item.
17. **TEMPORARY IRRIGATION SYSTEM**  
Comply with section 20 of the Caltrans Standard Specifications and the special provisions supplemented herein. The contract lump sum price paid for Irrigation System shall include full compensation for preparing plans for review for the temporary irrigation system, and furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in constructing the Temporary Irrigation System, as shown and described on the plans, as specified in these special provisions, and as directed by the Engineer, and no additional compensation will be allowed therefore.
18. **INSTALL PLANTS**  
Comply with section 20 of the Caltrans Standard Specifications. The contract price paid for Install Plant shall include full compensation for furnishing all labor, materials, mulch, tools, equipment, and incidentals, and for doing all the work involved in installing plants, as shown on the plans, as specified in these special provisions, and as directed by the Engineer, and no additional compensation will be allowed therefore. This Item is designated as a final pay item.
19. **4-INCH CRUSHED GABION ROCK**  
Comply with section 26 of the Caltrans Standard Specifications and the technical specifications included herein. The contract price paid for rock items shall include full compensation for furnishing all labor, materials, mulch, tools, equipment, and incidentals, and for doing all the work involved in processing the onsite material, stockpiling, moving, hauling, and placement, complete and in place as shown on the plans, as specified in these special provisions, and as directed by the Engineer, and no additional compensation will be allowed therefore.
20. **CRUSHED AGGREGATE**  
Comply with section 26 of the Caltrans Standard Specifications and the technical specifications included herein. The contract price paid for rock items shall include full compensation for furnishing all labor, materials, mulch, tools, equipment, and incidentals, and for doing all the work involved in processing the onsite material, stockpiling, moving, hauling, and placement, complete and in place as shown on the plans, as specified in these special provisions, and as directed by the Engineer, and no additional compensation will be allowed therefore.

21. **ROCK SLOPE PROTECTION (25 LB, CLASS I, METHOD B)**  
Comply with section 26 of the Caltrans Standard Specifications and the technical specifications included herein. The contract price paid for rock items shall include full compensation for furnishing all labor, materials, mulch, tools, equipment, and incidentals, and for doing all the work involved in processing the onsite material, stockpiling, moving, hauling, and placement, complete and in place as shown on the plans, as specified in these special provisions, and as directed by the Engineer, and no additional compensation will be allowed therefore. This item is designated as a Final Pay Item.
22. **ROCK SLOPE PROTECTION (150 LB, CLASS III, METHOD B)**  
Comply with section 26 of the Caltrans Standard Specifications and the technical specifications included herein. The contract price paid for rock items shall include full compensation for furnishing all labor, materials, mulch, tools, equipment, and incidentals, and for doing all the work involved in processing the onsite material, stockpiling, moving, hauling, and placement, complete and in place as shown on the plans, as specified in these special provisions, and as directed by the Engineer, and no additional compensation will be allowed therefore.
23. **ROCK SLOPE PROTECTION (1/2 TON, CLASS VII, METHOD B)**  
Comply with section 26 of the Caltrans Standard Specifications and the technical specifications included herein. The contract price paid for rock items shall include full compensation for furnishing all labor, materials, mulch, tools, equipment, and incidentals, and for doing all the work involved in processing the onsite material, stockpiling, moving, hauling, and placement, complete and in place as shown on the plans, as specified in these special provisions, and as directed by the Engineer, and no additional compensation will be allowed therefore.
24. **REMOVE ASPHALT CONCRETE PAVEMENT**  
Comply with section 15 and 39-3 of the Caltrans Standard Specifications and the technical specifications included herein. The contract price paid for shall include full compensation for furnishing all labor, materials, mulch, tools, equipment, and incidentals, and for doing all the work involved in removing the existing asphalt on Randall Road to the limits shown on the plans. Existing asphalt concrete encountered on the individual properties will be paid for in other items as work as described.
25. **24" DRILLED HOLE**  
Comply with section 49-3.02 of the Caltrans Standard Specifications and the technical specifications included herein. The contract price paid for shall include full compensation for furnishing all labor, incidentals, and all work involved in drilling holes 2-feet in diameter and 16-feet below bottom of debris rack footing for the Cast-in-Drilled-Hole concrete piling.
26. **FURNISH 12-INCH STEEL PIPE PILING**  
Comply with section 49-2.02 of the Caltrans Standard Specifications and the technical specifications included herein. Payment for Furnish 12-Inch Steel Pipe Piling shall be measured by the pound (LB) calculated from the dimensions of the pipe section and total length of vertical elements, including embedded portions with concrete footings as shown in the plans using the weight of steel of 490 pounds per cubic foot. Payment shall include all labor, tools, materials, and incidentals to complete the installation of horizontal elements as shown in the plans. This item is designated as a Final Pay Item.
27. **FURNISH STRUCTURAL STEEL**  
Comply with section 55 of the Caltrans Standard Specifications and the technical specifications included herein. Payment for Furnish Structural Steel will be measured by the pound (LB) calculated from the dimensions of the rolled section and total length of horizontal elements as shown in the plans using the weight of steel of 490 pounds per cubic foot. Payment shall include all labor, tools, materials, and incidentals to complete the installation of horizontal elements as shown in the plans. This item is designated as a Final Pay Item.
28. **REINFORCEMENT STEEL**  
Comply with section 52 of the Caltrans Standard Specifications and the technical specifications included herein. Payment for Reinforcement Steel will be measured by the pound (LB) calculated from the total volume of bar reinforcing steel within the limits of the footings as shown in the plans. This item is designated as a Final Pay Item.
29. **MINOR CONCRETE (BACKFILL)**  
Comply with section 49, 51, and 90 of the Caltrans Standard Specifications and the technical

specifications included herein. Payment for Minor Concrete (Backfill) will be measured by the cubic yard (CY) calculated from the theoretical volume of concrete to fill the 24" drilled holes, debris rack footings, and 12-inch steel pipe piling less the volume of steel within. This item is designated as a Final Pay Item.

### 30. DESTROY WELL

Comply with section 76-6 of the technical specifications included herein and the well destruction permits as included in the Information Handout. The contract price paid for shall include full compensation for furnishing all labor, materials, mulch, tools, equipment, and incidentals, and for doing all the work involved in complete destruction of each well to the depth required to complete the work as shown on the plans. Well destruction also includes excavation, removal, and disposal of associated cisterns with each well.

### 31. ACCESS GATES AND HARDWARE

Comply with section 75-9 of the technical specifications included herein. The contract price paid for shall include full compensation for furnishing all labor, materials, mulch, tools, equipment, and incidentals, and for doing all the work involved to complete the work as shown on the plans and described in these specifications.

### 32. POST & RAIL FENCE

Comply with section 80-5 of the technical specifications included herein. The contract price paid for shall include full compensation for furnishing all labor, materials, mulch, tools, equipment, and incidentals, and for doing all the work involved to complete the work as shown on the plans and described in these specifications.

### 33. SET BENCH AND BOULDERS

Comply with applicable sections of the Caltrans Standard Specifications and the technical specifications included herein. The contract price paid for shall include full compensation for furnishing all labor, materials, mulch, tools, equipment, and incidentals, and for doing all the work involved in constructing Detail B, per Sheet 22 of the plans. Contractor scope includes:

- o Selection/furnishing from onsite, hauling/moving, and placement of boulders
- o Salvage, protect, haul/move, and install existing benches from onsite to new area.
- o Furnish and install trees and shrubs shown in Detail B, Sheet 22 of the plans. These plants will not be supplied by Santa Barbara Natives with the other planting for the site.
- o Excavation, subgrade prep, grading, furnishing, and installing Class 2 aggregate base
- o Furnish and install irrigation to trees and plantings shown in Detail B, Sheet 22 (furnishing and installing plants and irrigation system are included in this bid item and no separate payment will be made under Bid Items for Install Planting and Temporary Irrigation System.)
- o Coordinate with and provide site access to Contractor who will be furnishing and installing two new stone benches and memorial stone.

Summary ADD ALTERNATE BID Item Descriptions:

### 34. JOB SITE MANAGEMENT

Comply with section 13-4 of the Caltrans Standard Specification and these special provisions. Job Site Management includes specifications for performing job site management including spill prevention control, material management, waste management, and non-stormwater management activities. Implement effective handling, storage, usage, and disposal practices to control material pollution and manage waste and non-stormwater at the job site before they enter the storm drain systems and receiving waters.

Compliance with mitigation measures, in the permits, licenses, agreements, and the conditions of approval appended to the specifications is the responsibility of the contractor to understand and implement. Payment for compliance and implementation of mitigation measures is considered included in Job Site Management and no separate payment will be included.

Job Site Management also includes providing appropriate control of the work as described in Section 5, 6, 7, and 8 of the Caltrans Specifications, Flood Control District Provisions, and Technical Specifications.

### 35. TEMPORARY CREEK DIVERSION SYSTEMS

Comply with sections 13-11 and 13-12 of the special provisions supplemented herein and all PLACs. The lump sum bid item price includes all labor, materials and equipment and incidentals for the installation, maintenance and removal of the creek diversion and to ensure that no construction activities occur in flowing water.

The Contractor is responsible for all dewatering necessary to keep the construction and work areas dry. The Contractor must design, install, operate, and maintain an adequate system. The system must be of sufficient size and capacity to maintain a dry condition without delays to construction operations.

36. STRUCTURE REMOVAL (MISC)

Comply with section 15, 60, and 71 of the Caltrans Standard Specification and these special provisions. This work shall include all labor, equipment and material necessary to remove and legally dispose of structures or portions thereof, including reinforced concrete walls, PCC slabs, curbs and gutters, concrete slope pavement, drop inlets and pipes, asphalt surfacing, storm drains, bulkheads, cut-off walls, site walls, concrete footings, fencing, pools, tennis courts, and other miscellaneous facilities from the project site to the limits as indicated on the plans. Removals for this bid item are intended to be just for the limits shown for the Add Alternate portion of work.

37. CLEARING AND GRUBBING

Comply with section 17 of the Caltrans Standard Specifications and the special provisions supplemented herein. Work shall include all labor, equipment and material necessary to clear and grub the project site to the limits as indicated on the plans and as indicated in Section 17.

38. EXCAVATION

Comply with Section 19 of the Caltrans Standard Specification and these special provisions. Payment includes all labor, equipment and material necessary to do all of the work involved in Excavation for the Add Alternate portion of work. This Item is designated as a final pay item.

39. DITCH EXCAVATION

Comply with Section 19-2.03H of the Caltrans Standard Specification and these special provisions. Payment includes all labor, equipment and material necessary to do all of the work involved in Ditch Excavation for the Add Alternate portion of work. This Item is designated as a final pay item.

40. TEMPORARY IRRIGATION SYSTEM

Comply with section 20 of the Caltrans Standard Specifications and the special provisions supplemented herein. The contract lump sum price paid for Irrigation System shall include full compensation for preparing plans for review for the temporary irrigation system, and furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in constructing the Temporary Irrigation System, as shown and described on the plans, as specified in these special provisions, and as directed by the Engineer, and no additional compensation will be allowed therefore.

41. INSTALL PLANTS

Comply with section 20 of the Caltrans Standard Specifications. The contract price paid for Install Plant shall include full compensation for furnishing all labor, materials, mulch, tools, equipment, and incidentals, and for doing all the work involved in installing plants, as shown on the plans, as specified in these special provisions, and as directed by the Engineer, and no additional compensation will be allowed therefore. This Item is designated as a final pay item.

42. 4-INCH CRUSHED GABION ROCK

Comply with section 26 of the Caltrans Standard Specifications and the technical specifications included herein. The contract price paid for rock items shall include full compensation for furnishing all labor, materials, mulch, tools, equipment, and incidentals, and for doing all the work involved in processing the onsite material, stockpiling, moving, hauling, and placement, complete and in place as shown on the plans, as specified in these special provisions, and as directed by the Engineer, and no additional compensation will be allowed therefore.

43. ROCK SLOPE PROTECTION (25 LB, CLASS I, METHOD B)

Comply with section 26 of the Caltrans Standard Specifications and the technical specifications included herein. The contract price paid for rock items shall include full compensation for furnishing all labor, materials, mulch, tools, equipment, and incidentals, and for doing all the work involved in processing the onsite material, stockpiling, moving, hauling, and placement, complete and in place as shown on the plans, as specified in these special provisions, and as directed by the Engineer, and no additional compensation will be allowed therefore. This item is designated as a Final Pay Item.

44. ROCK SLOPE PROTECTION (150 LB, CLASS III, METHOD B)

Comply with section 26 of the Caltrans Standard Specifications and the technical specifications included

herein. The contract price paid for rock items shall include full compensation for furnishing all labor, materials, mulch, tools, equipment, and incidentals, and for doing all the work involved in processing the onsite material, stockpiling, moving, hauling, and placement, complete and in place as shown on the plans, as specified in these special provisions, and as directed by the Engineer, and no additional compensation will be allowed therefore.

45. ROCK SLOPE PROTECTION (1/2 TON, CLASS VII, METHOD B)

Comply with section 26 of the Caltrans Standard Specifications and the technical specifications included herein. The contract price paid for rock items shall include full compensation for furnishing all labor, materials, mulch, tools, equipment, and incidentals, and for doing all the work involved in processing the onsite material, stockpiling, moving, hauling, and placement, complete and in place as shown on the plans, as specified in these special provisions, and as directed by the Engineer, and no additional compensation will be allowed therefore.

46. 24" DRILLED HOLE

Comply with section 49-3.02 of the Caltrans Standard Specifications and the technical specifications included herein. The contract price paid for shall include full compensation for furnishing all labor, incidentals, and all work involved in drilling holes 2-feet in diameter and 16-feet below bottom of debris rack footing for the Cast-in-Drilled-Hole concrete piling.

47. FURNISH 12-INCH STEEL PIPE PILING

Comply with section 49-2.02 of the Caltrans Standard Specifications and the technical specifications included herein. Payment for Furnish 12-Inch Steel Pipe Piling shall be measured by the pound (LB) calculated from the dimensions of the pipe section and total length of vertical elements, including embedded portions with concrete footings as shown in the plans using the weight of steel of 490 pounds per cubic foot. Payment shall include all labor, tools, materials, and incidentals to complete the installation of horizontal elements as shown in the plans. This item is designated as a Final Pay Item.

48. FURNISH STRUCTURAL STEEL

Comply with section 55 of the Caltrans Standard Specifications and the technical specifications included herein. Payment for Furnish Structural Steel will be measured by the pound (LB) calculated from the dimensions of the rolled section and total length of horizontal elements as shown in the plans using the weight of steel of 490 pounds per cubic foot. Payment shall include all labor, tools, materials, and incidentals to complete the installation of horizontal elements as shown in the plans. This item is designated as a Final Pay Item.

49. REINFORCEMENT STEEL

Comply with section 52 of the Caltrans Standard Specifications and the technical specifications included herein. Payment for Reinforcement Steel will be measured by the pound (LB) calculated from the total volume of bar reinforcing steel within the limits of the footings as shown in the plans. This item is designated as a Final Pay Item.

50. MINOR CONCRETE (BACKFILL)

Comply with section 49, 51, and 90 of the Caltrans Standard Specifications and the technical specifications included herein. Payment for Minor Concrete (Backfill) will be measured by the cubic yard (CY) calculated from the theoretical volume of concrete to fill the 24" drilled holes, debris rack footings, and 12-inch steel pipe piling less the volume of steel within. This item is designated as a Final Pay Item.

51. DESTROY WELL

Comply with section 76-6 of the technical specifications included herein and the well destruction permits as included in the Information Handout. The contract price paid for shall include full compensation for furnishing all labor, materials, mulch, tools, equipment, and incidentals, and for doing all the work involved in complete destruction of each well to the depth required to complete the work as shown on the plans. Well destruction also includes excavation, removal, and disposal of associated cisterns with each well.

**Replace *Reserved* in section 10-1.03 with:**

Jobsite activities that disturb nesting birds is prohibited between February 1<sup>st</sup> and September 15<sup>th</sup>. In order to work within this time period you must coordinate your activities with the Engineer and District Biologist. Should pre-project bird surveys indicate that nesting birds require modifications to Contractor operations, you will be required to rephase your work such that you work in areas that are not impacted by nesting birds.

No work will be allowed within the creek unless an approved diversion plan is implemented. Creek diversion is allowed only as noted in Section 13-11.

Per the approved mitigation measures, a Native American monitor is required to be onsite during all grading, excavation, and hauling operations. Contractor to coordinate with the monitor to allow for appropriate review of the materials as required. Should the monitor need extended time in a specific area to review the excavated materials, Contractor will be required to rephase your work such that you work in areas not impacted.

Contractor is required to phase the work such that access is maintained for placement of the new stone benches and memorial stone shown in Detail B, Sheet 22.

Contractor coordination and potential rephasing of the work for any of the activities described above is to be included in the time constraints on the project and no additional compensation in working days or monetary compensation will be considered unless all work in non-impacted areas is completed and work must cease.

## 12 TEMPORARY TRAFFIC CONTROL

### **Add to section 12-1.01:**

Traffic Control System includes the development of a Traffic Control Plan and maintaining traffic in accordance with Section 12-4.

### **Replace section 12-1.04 with:**

Compliance with all requirements of and the costs of obtaining the Caltrans Double Permit, installation of all temporary traffic control as shown on the Traffic Sign Plan included in the plan set, traffic control associated with the haul routes as shown in Section 7 of these specifications, and all additional traffic control required for the performance of the work shown on the plans and in these specifications including flagging should be considered as included in the lump sum payment for Temporary Traffic Control and no additional payment will be made.

Adjustments in compensation for traffic control system will be made for an increase or decrease in traffic control work if ordered and will be made on the basis of the cost of the necessary increased or decreased traffic control. The adjustment will be made on a force account basis for increased work and estimated on the same basis in the case of decreased work. A traffic control system required by change order work is paid for as a part of the change order work. This work is Supplemental Work and will be paid in accordance with section 9-1.04.

### **Add section 12-1.04A:**

#### **12-1.04A PARKING RESTRICTIONS AND POSTING FOR TOW AWAY**

All Contractor parking must be within the confines of the project site, and no additional parking will be allowed. It is not anticipated that additional areas will be necessary to post for "No Parking" and/or tow away. Should this be necessary, Contractor must make written request to the County and comply with all posting restrictions required by County of Santa Barbara transportation requirements.

### **Add to the end of section 12-3.11A(1):**

Temporary traffic control signage will be of the type shown in the plans and must conform to the standard specifications.

### **Add to the first paragraph of section 12-3.11C(1):**

Place signs that clearly designate trucks will be entering and exiting the Project site at a location visible 250 feet prior to each exit/entrance to the Project. These signs must be placed in a safe location of minimal collision risk and face on-coming traffic from the roadside so that they are clearly visible and reflective.

## 13 WATER POLLUTION CONTROL

### **Add to list in the 1st paragraph of section 13-1.01A:**

5. California Stormwater Quality Association (CASQA) Construction BMP Handbook/Portal at <http://www.cabmphandbooks.com/>

### **Add to Section 13-1.01A:**

Comply with the National Discharge Elimination System General Permit for *Storm Water Discharges Associated with Construction and Land Disturbance Activities* (Order No. 2012-0006-DWQ NPDES NO. CAS000002) referred to herein as Permit. The Permit governs stormwater and non-stormwater discharges from construction sites. The Permit may be viewed at the State Water Resources Control Board website.

**Add section 13-1.03A(1):**

**13-1.03A(1) Drainage Control**

The proposed project is. You are fully responsible for continually accepting and discharging water from any source in a manner that causes no damage to existing or partially completed proposed improvements, in a manner that causes no ponded water to accumulate at low points, and in a manner which poses no potential hazard to persons or property and is conformance with all permits required for this project. You will not be allowed to divert stormwater to surface streets. Damage to existing or partially completed proposed improvements caused by lack of drainage control shall be repaired, or removed and replaced, at your expense.

It shall be understood and agreed that you must hold the Owner and the Engineer harmless from legal action taken by any third party with respect to construction and operation of temporary drainage control works.

You must submit your proposed methods for storm water and erosion control to the Engineer as part of the Storm Water Pollution Prevention Plan and your Temporary Creek Diversion plan.

**Add to the end of section 13-3.01A:**

This project's risk level is Risk Level 2.

**Add to section 13-4.03G:**

**13-4.03G Dewatering**

If dewatering activities are needed by you in order to perform basin excavation or placement of RSP, dewatering discharged must conform to the Central Coast RWQCB Basin Plan – 2011 Central Coast, Section II.A.2.

‘OBJECTIVES FOR ALL INLAND SURFACE WATERS, ENCLOSED BAYS, AND ESTUARIES.’ Below is a link to the Basin Plan:

[https://www.waterboards.ca.gov/centralcoast/publications\\_forms/publications/basin\\_plan/docs2017/2017\\_basin\\_plan\\_r3\\_complete.pdf](https://www.waterboards.ca.gov/centralcoast/publications_forms/publications/basin_plan/docs2017/2017_basin_plan_r3_complete.pdf)

Comply with Section 5-1.20B(1).

**Add to the end of section 13-6.02A:**

Block nets are restricted to a max size of 0.25-inch.

**Add section 13-11:**

**13-11 TEMPORARY CREEK DIVERSION SYSTEMS**

**13-11.01 GENERAL**

**13-11.01A Summary**

Section 13-11 includes specifications for constructing, maintaining, reconstructing, and removing temporary culvert and clear water diversion creek diversion, and restoring creek bed to original condition. The temporary diversion system is used to divert upstream water flows to a temporary culvert to allow construction equipment and trucking access across the creek. Install temporary culvert and clear water diversion in accordance with Caltrans Construction Site BMP Manual BMP NS-5 and these special provisions.

**13-11.01B Definitions**

**FHWA:** Federal Highway Administration

**HY-8:** A culvert hydraulic analysis software designed to automate FHWA culvert design methods

**MSDS:** Material Safety Data Sheet

**TCDSP:** Temporary Creek Diversion System Plan

### **13-11.01C Submittals**

Proposed Temporary Creek Diversion System Plan (TCDSP) must be submitted at least 21 days in advance of being used. The TCDSP may be required to include:

1. Installation and removal process, including equipment, platforms for equipment, and access locations.
2. Anticipated flow rates.
3. Calculations supporting the sizing of piping, channels, pumps, or other conveyance by using FHWA HY-8 or other equivalent method. Calculate the discharge water flow rate and velocity anticipated where it discharges on any erodible surface, so its conveyance does not cause erosion within the Project or at the discharge to the water body. Temporary culverts attached to banks, walls, or other locations must be designed to hold the full weight of the culvert at capacity and restrain the culvert for any expected hydraulic forces.
4. Plans showing locations of diversion, including layouts, cross sections, and elevations.
5. Materials proposed for use, including MSDS if applicable.
6. Operation and maintenance procedures for the TCDS.
7. Restoration plans showing before and after conditions, including photos of existing conditions for areas disturbed during the installation, operation, and removal of the TCDS.
- 8.-10. omitted
11. The TCDS design must demonstrate how it will comply with section 13-12.03A, water tightness, and prevent seepage.

### **13-11.01D Quality Assurance**

Not Used.

## **13-11.02 MATERIALS**

### **13-11.02A General**

Used materials may be installed provided the used materials are good, sound and are suitable for the purpose intended, as determined by the Engineer.

### **13-11.02B Block Netting**

Block netting used in the prevention of fish and aquatic wildlife from entering the Project site during creek diversion practices and construction shall have a square mesh dimension of 1/4-inch max.

## **13-11.03 CONSTRUCTION**

### **13-11.03A General**

No construction shall occur in the flowing water. If water is present during construction, the water shall be diverted. Pipe culverts shall be placed in the low flow stream where the stream must be crossed on a regular basis. Temporary water diversion pipe and cofferdams must be furnished, installed, maintained, and later removed as necessary to complete the proposed improvements, as specified in these special provisions and as directed by the Engineer.

The creek channel upstream and downstream of construction activity shall be dammed temporarily to prevent water from entering the reach under construction. A diversion pipe shall be installed in the creek to convey any creek water around the construction area for discharge downstream of the construction activity.

### **13-11.03B Excavation & Backfill**

Excavation and backfill for temporary diversion pipe shall be performed in a manner that will provide adequate support for the pipe with a firm, non-settling foundation.

### **13-11.03C Temporary Diversion Removal**

Temporary Creek Diversion Systems must be constructed and maintained between June 1st and October 31st, 2021, and must be removed completely and the creek restored to its pre-existing condition before October 31st, 2021.

When no longer required for the work as determined by the Engineer, temporary diversion pipes and coffer dams shall be removed. Removed facilities shall become the property of the Contractor and shall be removed from the site of the work.

Trenches and pits caused by the removal of temporary diversion pipes and cofferdams shall be backfilled in conformance with the provisions in the second paragraph of Section 15-1.02, "Preservation of Property," of the Standard Specifications.

The creek must be restored to its pre-existing, natural, condition before October 31<sup>st</sup>, 2021.

## **13-11.04 PAYMENT**

### **13-11.04A Measurement & Payment**

Temporary Creek Diversion Systems are paid for by lump sum (LS) as full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in temporary diversion pipe and cofferdams, including the development and submittal of the "Temporary Water Diversion Plan," as specified in the Standard Specifications and these special provisions, and as directed by the Engineer and no additional compensation will be allowed therefor.

Temporary diversion pipe and cofferdams that are damaged from any cause during the progress of the work shall be repaired or replaced by the Contractor at the Contractor's expense.

Damages to the work area, public or private property caused by inadequate diversion pipe or cofferdams shall be repaired by the contractor and no additional compensation will be allowed therefor.

In the event anticipated creek flows caused by forecasted storm events would exceed the diversion capacity of the temporary diversion pipe, removal and reconstruction of the Temporary Creek Diversion System will be performed as directed by the engineer.

## **14 ENVIRONMENTAL STEWARDSHIP**

**Replace section 14-6.01C with:**

### **14-6.01C CONSTRUCTION**

The District will provide a biologist for this project as needed to comply with Section 5-1.20B(1). You must coordinate and accommodate the work of the biologist. The District biologist is Andrew Raaf, (805) 568-3445.

**Replace section 14-12.04 Reserved with:**

The County and contractors will commit to avoiding, minimizing, or mitigating for adverse effects during construction activities.

The Contractor shall comply with all applicable mitigation measures/environmental commitments, reasonable and prudent measures, and terms and conditions as stated in the project approval documents and project permits. The Contractor is responsible for obtaining and complying with all applicable environmental permits and commitments required by Federal, State, regional, and local environmental laws and regulations. All references to the applicant shall mean the Contractor.

Additional Mitigation Measures from the EIR/EIS:

**MM AES-1.** During the construction period, an earthen berm or fabric-covered chain-link fencing (at least six feet high) shall be installed along the southern project site boundary to screen public views of the project site from East Valley Road. Plan Requirements and Timing: The screening method and materials shall be included on the debris basin construction plans and implemented prior to any tree removals or basin excavation.

**MM AQ-1.** The following measures shall be fully implemented during all construction and routine maintenance activities at the project site.

- During construction, use water trucks or sprinkler systems to keep all areas of vehicle movement damp enough to prevent dust from leaving the site. At a minimum, this should include wetting down such areas in the late morning and after work is completed for the day. Increased watering frequency should be required whenever the wind speed exceeds 15 mph. Reclaimed water should be used whenever possible.
- Minimize amount of disturbed area and reduce on site vehicle speeds to 15 miles per hour or less.
- If importation, exportation and stockpiling of fill material is involved, soil stockpiles that may generate dust shall be covered, kept moist, or treated with soil binders or other standard practice to prevent dust generation. Trucks transporting dust-producing material to and from the site shall be tarped from the point of origin.
- If wet soil or mud is present, gravel pads or rubble plates shall be installed at all access points to prevent tracking of mud onto public roads.
- After clearing, grading, earth moving or excavation is completed, treat the disturbed area by watering, or revegetating, or by spreading soil binders until the area is paved or otherwise treated so that dust generation is minimized.
- The contractor shall designate a person or persons to monitor the dust control program and to order

increased watering, as necessary, to prevent transport of dust offsite. Their duties shall include holiday and weekend periods when work may not be in progress. The name and telephone number of such persons shall be provided to the SBCAPCD prior to grading/building permit issuance and/or map clearance.

- All portable diesel-powered construction equipment shall be registered with the state's portable equipment registration program OR shall obtain an SBCAPCD permit.
- Fleet owners of mobile construction equipment are subject to the CARB Regulation for In-Use Off-Road Diesel Vehicles (Title 13, California Code of Regulations (CCR), §2449), the purpose of which is to reduce NOx emissions, diesel particulate matter (DPM), and other criteria pollutant emissions from in-use off-road diesel-fueled vehicles. Project-related mobile equipment shall comply with the State Off-Road Regulation.
- Fleet owners of mobile construction equipment are subject to the CARB Regulation for In-Use (On-Road) Heavy-Duty Diesel-Fueled Vehicles (Title 13, CCR, §2025), the purpose of which is to reduce DPM, NOx and other criteria pollutants from in-use (onroad) diesel-fueled vehicles. On-road heavy-duty trucks shall comply with the State On-Road Regulation.
- All commercial off-road and on-road diesel vehicles are subject, respectively, to Title 13, CCR, §2449(d)(3) and §2485, limiting engine idling time. Idling of heavy-duty diesel construction equipment and trucks during loading and unloading shall be limited to five minutes; electric auxiliary power units should be used whenever possible.
- Diesel engines used to power off-road mobile equipment to conduct routine maintenance shall be certified to meet State Tier 3 or higher emissions standards.

These measures shall be included in the project specifications and construction contracts and implemented during debris basin construction and routine maintenance.

**MM BIO-2:** The following measures shall be fully implemented to minimize impacts to breeding birds.

- Site preparation (including removal of trees and vegetation) shall be conducted during the late summer or fall (August 15 to December 31) prior to initiation of debris basin construction (planned for spring 2021).
- Vegetation removal associated with construction and/or routine maintenance shall avoid the migratory bird and raptor breeding season (February 15 to August 15) to the extent feasible.
- For any project-related construction and/or routine maintenance activities involving vegetation removal or heavy equipment to be conducted during the breeding season, a nest survey within the area of impact and a 200 foot buffer for non-raptors and any available raptor nesting areas within 500 feet shall be conducted by a qualified biologist no earlier than 14 days and no later than 5 days prior to any vegetation removal or ground disturbance to determine if any nests are present.
- If an active nest is discovered during the survey, a buffer of 200 feet for non-raptors or 500 feet for raptors (or as determined by the biologist based on a field assessment) shall be established around the nest. The buffer area may be reduced if nest monitoring by a qualified biologist indicates construction and/or routine maintenance activities are not adversely affecting nesting success. No construction and/or routine maintenance activities shall occur within the buffer area until a biologist determines that the nest is abandoned, or fledglings are adequately independent from the adults.

**Plan Requirements and Timing:** These measures shall be noted on the project's engineering plans and specifications and implemented as part of all construction and routine maintenance activities.

**MM CR-1.** The following measures shall be implemented to address the potential discovery of pre-historic archaeological resources during project construction.

- In the event that archaeological resources are exposed during construction, all earth disturbing work within the vicinity of the find shall be temporarily suspended or redirected until a professional archaeologist has been retained to evaluate the nature and significance of the find. The District shall be notified immediately of any such find. If human remains are unearthed, State Health and Safety Code Section 7050.5 requires that no further disturbance shall occur until the County Coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner has 24 hours to notify the NAHC.
- A worker cultural resources sensitivity program shall be implemented prior to project construction. Prior to any ground-disturbing activity, a qualified archeologist shall provide an initial sensitivity training session to all affected contractors, subcontractors, and other workers, with subsequent training sessions to accommodate new personnel becoming involved in the project. The sensitivity program shall address the cultural sensitivity of the project site and how to identify these types of resources, specific procedures to be followed in the event of an inadvertent discovery, and consequences in the event of non-compliance.

(NOTE: The District will provide this sensitivity program training. Contractor staff to participate)

**Plan Requirements and Timing.** The above measures shall be included in the construction contract specifications for the project and shall be implemented prior to any project-related earth disturbing activities.

**MM N-1.** The following mitigation measures shall be fully implemented to minimize noise generated by project construction and routine maintenance of the proposed debris basin.

- Construction and routine maintenance activities shall be limited to the hours between 7:00 a.m. and 4:30 p.m., Monday through Friday. Vehicle and equipment maintenance shall also be limited to these hours.
- No construction shall occur on State holidays (e.g., Thanksgiving, Labor Day).
- All internal combustion engine-driven vehicles and equipment shall be properly muffled.

**Plan Requirements and Timing:** Vehicle and equipment operational hours restrictions shall be included on the construction plans and specifications. Operating hours restrictions shall be in effect during all work involving mobile and stationary equipment or heavy-duty trucks.

**MM N-2:** The following measures shall be fully implemented to minimize rock crushing noise at adjacent residences.

- Rock crushing shall be limited to the hours of 7 a.m. to 4:30 p.m.
- The rock crusher shall be located in the basin bottom, or below grade to the extent feasible.
- The rock crusher shall be enclosed on three sides with a temporary construction noise barrier, with the open side facing away from adjacent residences.
- The construction noise barrier shall be taller than the rock crusher and provide a minimum 20 dB sound transmission loss at 1,000 hertz.

**Plan Requirements and Timing:** Rock crushing hours restrictions shall be included on the construction plans and specifications and be in effect during the entire construction period.

**MM N-3:** The following measures shall be fully implemented to minimize the potential for blasting related startling and sleep disturbance of adjacent residents.

- Blasting shall be limited to the hours of 7 a.m. to 4:30 p.m.
- Local residents in the project area shall be notified of the blasting schedule at least one week in advance through roadway signage at the project site and newspaper notices.

**Plan Requirements and Timing:** Blasting hours restrictions shall be included on the construction plans and specifications and be in effect during the entire construction period.

**MM T-1.** Vehicle trips generated by project construction shall be scheduled such that the number of peak hour trips at any intersection is 10 or less to be consistent with the Montecito Community Plan. The truck route shall be selected to avoid intersections operating at LOS D or below, to the extent feasible.

**Plan Requirements and Timing:** Truck routes and scheduling requirements shall be included in the project plans and specifications and construction contracts and be implemented throughout the construction period.

**MM T-2.** Flag-persons and warning signs shall be used as needed to ensure the safe queuing and ingress and egress of heavy-duty trucks to and from East Valley Road. Notice of construction and routine maintenance activities shall be given to adjacent residents prior to the onset of activities affecting this roadway.

**Plan Requirements and Timing:** Traffic control and noticing requirements shall be included in the project plans and specifications and construction contracts and be implemented during all construction and routine maintenance activities.

Measurement and Payment: Mitigation measures included above or in the project permits that do not have a specific Bid Item associated with the work are to be included in the Lump Sum bid item and Schedule of Values for Jobsite Management.

## 15 EXISTING FACILITIES

**Replace the 1st paragraph of section 15-1.03B with:**

Remove existing concrete structures entirely.

## DIVISION III EARTHWORK AND LANDSCAPE

**Add prior to section 17:**

### **Bid Items and Applicable Sections**

| Item code | Item description            | Applicable section |
|-----------|-----------------------------|--------------------|
| 170103    | CLEARING AND GRUBBING       | 17                 |
| 190101    | ROAD EXCAVATION             | 19                 |
| 192001    | EXCAVATION                  | 19                 |
| 194001    | DITCH EXCAVATION            | 19                 |
| 206300A   | TEMPORARY IRRIGATION SYSTEM | 20                 |
| 204009A   | INSTALL PLANTS              | 20                 |

### **17 GENERAL**

**Add to section 17-2.01:**

Clearing and Grubbing consists of removing all vegetation, trees, tree stumps, miscellaneous debris, and other deleterious materials to be disposed from within the limits of grading and excavation, as shown on the plans. All vegetation and tree removals require prior approval by the Engineer.

Some trees shown on the plans to be within the limits of grading and excavation may have been removed by others prior to the start of work. You are responsible for removing remaining stumps or downed vegetation from the jobsite that conflicts with the proposed work.

Vegetation and trees located beyond the limits of grading and excavation must be protected in place. You must coordinate your activities with the Engineer when working near trees specifically designated on the plans as 'Protect in Place.' You may be directed to modify grading slopes in these locations.

In addition to the work outlined in Section 17 of the Standard Specifications, the following items of work are included under Clearing and Grubbing unless otherwise covered by a specific bid item.

- (1) Maintain dust control at all times by watering; including developing a water supply and furnishing and placing all water required for work done in the Contract, including water used for extra work.
- (2) Protection of utilities, trees, fences, gates, walls, and other facilities within the construction zone, except those shown on the plans and those specifically directed by the Engineer to be removed or relocated.
- (3) Excavation, removal, and disposal of existing abandoned utility laterals within the construction zone.

**Replace the 4th paragraph in section 17-2.03A with:**

Clear and grub vegetation only within the proposed grading limits as established by the engineer.

### **19 EARTHWORK**

**Add the following to the end of the 2nd paragraph of section 19-1.01A:**

The project site is located in a debris flow area. Buried man-made objects are to be expected in the excavation area, and excavation, removal, and disposal will be required.

Dewater as necessary to perform earthwork, debris rack construction, and RSP placement. Dewatering must comply with Section 13-4.03G.

**Delete Item 2 from the list in Section 19-1.03D.**

**Add the following to the end of section 19-1.03D:**

The project site is located in a debris flow area. Buried man-made objects not identified on the plans such as site walls, footings, and other miscellaneous items requiring offsite disposal are to be expected in the excavation of the debris flow area, with varying depths from existing grade, and excavation, removal, and disposal will be

required.

**Add section 19-1.04:**

The payment quantity for Excavation includes the removal of unsuitable material and haul-off. Excavation is paid for as the theoretical volume of excavation material to construct the project as shown to the lines and grades included in the plans other than that accounted for in the Roadway Excavation and Ditch Excavation items of work. Payment includes all work including excavation of native material and the haul-off of unsuitable and surplus material.

Excavated materials, except as noted in these special provisions, shall become the property of the Contractor and must be legally disposed of off-site. The Flood Control District has not arranged a disposal site for excavated material.

The payment quantity for Excavation is the theoretical volume of excavated material in cubic yards (CY), including the CY of material involved in the benching excavation, debris rack footing excavation, parking area excavation, and excess debris and rubble excavation. Excavation of excess debris and rubble must comply with Section 60-2.01D of these special provisions.

Buried manmade objects are expected to be encountered in the debris flow area, and are accounted for in the Clearing and Grubbing, Structure Removal (Misc.), and Excavation items of work, and no additional payment will be made.

**Replace the 2nd, 3rd, and 4th paragraphs of section 19-2.03B with:**

Dispose of surplus material. Ensure enough material is available to complete the new Randall Road, access roads, the southern berm, the basin side slopes, the rock slope protection, and the channel benching elevation stabilization before disposing of it. Material recovered shall be free of organic or other unsatisfactory material before reuse.

Excavated materials, except as noted in these special provisions, shall become the property of the Contractor and must be legally disposed of off-site. The Flood Control District has not arranged a disposal site for excavated material.

All recovered material shall be mixed by the contractor onsite or as approved by the Engineer and used in conformance with the plans and Section 26-2 "Recovered Native Material" of these special provisions. No rock shall be removed from the Project site without express consent from the Engineer.

**Add between the 8th and 9th paragraphs of section 19-2.03G:**

Roughen embankment slopes to receive erosion control materials by either track-walking or rolling with a sheepsfoot roller. Track-walk slopes by running track-mounted equipment perpendicular to the slope contours.

Roughen excavation slopes and flat surfaces to receive erosion control materials by scarifying to a depth of 6-inches.

**Add section 19-2.04:**

The payment quantity for Roadway Excavation and Ditch Excavation is the theoretical volume of excavation material to construct the project as shown to the lines and grades included in the plans other than that accounted for in the Excavation Bid Item. Payment includes all work including excavation of native material and the haul-off of unsuitable/surplus material. Ditch Excavation will comply with section 19-2.03H of the Standard Specifications and these special provisions. Payment for Road Excavation will include all costs associated with the removal of subbase to a depth of 2 feet below the top of existing asphalt concrete (AC) pavement within the proposed alignment. Excavation of excess debris and rubble must comply with Section 60-2.01D of these special provisions.

**Add section 19-4.05:**

**LARGE BOULDER EXCAVATION**

**19-4.05A General**

**19-4.05A(1) Summary**

Section 19-4.05 includes specifications for excavating large boulders with an average dimension greater than 6-feet.

### **19-4.05A(2) Definitions**

**Large Boulder:** Rock with an average dimension greater than 6-feet.

### **19-4.05B Materials**

Boulders with an average dimension greater than 6-feet found too large to remove may need to be broken in order to facilitate their excavation from within the finish grade.

### **19-4.05C Construction**

Contractors are responsible for removing boulders from within the limits of excavation that are 6-feet in average dimension or less. Large boulders with an average dimension of 6 feet or greater that are visible or partially visible during the pre-bid job walk are the contractor's responsibility to relocate to remove and dispose of, including any necessary breaking necessary to facilitate the contractor's handling and management of these boulders.

In the event that large boulders with an average dimension greater than 6-feet, which are not visible or partially visible at the time of the pre-bid job walk, are found to be too large to remove, the contractor may be directed to break these boulders into boulders between 4' – 6' average diameter, in order to facilitate moving of the boulders. Remove boulders found within the Finish Grade grading plane. At the discretion of the Engineer, boulders with an average dimension of 6 feet or greater found within the Finish Grade grading plane may be left in place. Backfill voids in the Finish Grade grading plane with excavated material. Backfilling of voids shall comply with section 19-6, Embankment Construction.

### **19-4.05D Payment**

Solely the breaking activity will be considered as Supplemental Work (Additional Rock Excavation) and will be paid in accordance with section 9-1.04. Moving of the boulders after breaking into an average dimension of less than 4' is considered as included in the unit price paid for Excavation and no additional compensation will be allowed therefore. Backfilling of voids is considered as included in the unit price paid for Excavation and no additional compensation will be allowed therefore. Payment as supplemental work will only be utilized when different means and methods need to be employed in order to manage and dispose of large boulders with an average dimension of 6 feet or greater, and in no event will the contractor be paid to break these boulders to an average dimension of less than 4 feet, unless such limit is deemed infeasible by the Engineer.

#### **Replace the first paragraph of section 19-5.03B with:**

Compact earthwork to a relative compaction of a least 90 percent for at least a depth of 2.5 feet below the finished grade.

#### **Replace the second and third paragraph of section 19-5.03B with:**

Compact cut-slopes to a relative compaction of at least 85 percent.

#### **Add to section 19-5.03B:**

Recompact scarified subgrades to a relative compaction of at least 95 percent.

## **20 LANDSCAPE**

#### **Add between the 1st and 2nd paragraph of section 20-2.01A(1):**

The cut slopes along the basin perimeter and the benching elevations will be planted with a blend of native riparian species. Plants will be installed from locally sourced, 1-gallon container plants and/or 5-gallon container plants. The planting palette includes understory, shrub, and canopy species to create a layered habitat that replaces the habitat function that would be disturbed during Project construction (see Plant List Table on the plans).

#### **Add to section 20-2.01A(3)(a):**

Submit shop drawings of irrigation system 7 days before installation. The drawings must include proposed materials, conduit sizes, general layout including segmented zones and attachment points and the approximate number of emitters per zone.

#### **Add section 20-2.01A(4)(a):**

During, or before, the final job walk through, perform a final system check to demonstrate to the District that the irrigation system is fully functional and capable of delivering 5 gallons of water to each plant on a weekly basis.

**Add to section 20-2.01C(1):**

In the event a water connection is not available at the Project site the contractor shall install a drip-irrigation system, within the planting areas, with appropriate fittings to attach to a mobile water source (i.e., water truck) to be provided by the Contractor. Water trucks may be filled at a location preferable to the Contractor.

The irrigation system must provide at least 1 emitter per plant and shall be designed to deliver 5 gallons of water per plant, per watering-session. The drip system may be segmented into zones or separate attachment points, as desired.

**Add section 20-2.01D:**

The contract price paid for Temporary Irrigation System will be included in the lump sum (LS) bid item Temporary Irrigation System and will include full compensation for furnishing all labor, materials, tools, equipment, and incidentals; and for doing all the work involved in constructing the Temporary Irrigation System, as shown on the plans, as specified in these special provisions, and as directed by the Engineer, and no additional compensation will be allowed therefore.

**Add to the end of section 20-3.01C(1):**

The planting areas are shown in the plans. Plants are to be installed at approximately 4-5ft spacing. A plant basin approximately 2 ft diameter around each plant must be weeded and mulched. Gopher cages will be installed as needed, depending on soil condition, around the oak and sycamore replacement trees.

The plant species list table is shown on the plans. The District has ordered and paid for these plants from Santa Barbara Natives, Inc. (700 Venadito Canyon Rd; Goleta CA, 93117; (805) 698-4994). The Contractor is responsible for picking up and delivering all plants to the project site and coordinating all aspects of the pickup with Santa Barbara Natives.

Planting shall consist mainly of 1-gallon container plants from the list specified, spaced at 4-5ft on-center, in a triangular pattern. Sycamores may be in 5 to 15-gallon containers. Contractor should, using general landscape practices, install plants more densely as appropriate near the bottom of the slope; the average spacing of 4.5 ft on-center is used to calculate total plant numbers for the given area, with 10% additional plants to account for mortality.

The Contractor must coordinate plant acquisition and delivery of all plants to the Project site with the County to ensure proper inventory. The Contractor and County will discuss plant placement on the cut slopes and channel benching to determine suitable placement in order to achieve a blended plant community. Some existing native oaks will be left standing directly adjacent to the restoration area. Existing trees shall be left in place, undisturbed. Contractor must plant new container plants around existing trees as appropriate.

Plant installation should follow generally accepted landscape practices, including:

- Digging a hole for plant installation at least 3 times as wide as the planting container and with sufficient depth to allow the root ball to be buried and mulched without damaging the plant.
- Amending each planter hole with a suitable amount of soil amendment and fertilizer, and backfilling the planting hole and compacting soil around the plant.
- Forming a watering basin and soil ring around each plant (approx. 2 ft diameter on center of each plant).
- The watering basin shall be covered with a layer of mulch 3 inches deep.

**Add to the end of section 20-3.02D:**

Mulch stockpiled at the Project site is available for you to use for plant installation.

The contract square foot (SF) price paid for Install Plants shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in plant installation, as shown on the plans, as specified in these special provisions, and as directed by the Engineer, and no additional compensation will be allowed therefore.

You may be directed to furnish and install Gopher cages and Deer cages and/or import additional mulch. This work is Supplemental Work and will be paid in accordance with section 9-1.04. This only applies in the event that such work is ordered by the Engineer.

**Add before the 1st paragraph of section 20-4.03A:**

Maintain a neat and presentable job site during plant establishment including areas not visible to the public.

**Add to section 20-4.03D:**

Dispose of weeds under section 20-1.03C(4).

**Add section 20-4.03H:**

Control pests under sections 20-1.03B and 20-1.03C(1).

**Add to the end of section 20-4.03G:**

Watering shall consist of an initial deep watering of 5 gallon per plant within the first day that plants are installed. Thereafter, watering shall be performed weekly until all plants are planted and a final walk through is conducted.

Each watering visit shall include as many water-truck deliveries as needed to provide 5 gallons of water per plant. The watering schedule may be reduced during rainy weather upon discussion and agreement from the County and contractor.

The contract price paid for Initial Watering shall be included in the square foot (SF) bid item Install Plants and will include full compensation for furnishing all labor, materials, tools, equipment, water and incidentals, and for doing all the work involved in Initial Watering, as shown on the plans, as specified in these special provisions, and as directed by the Engineer, and no additional compensation will be allowed therefore.

## DIVISION IV SUBBASES AND BASES

**Add prior to section 23:**

**Bid Items and Applicable Sections**

| Item code | Item description                                     | Applicable section |
|-----------|--|--------------------|
| 035633A   | 4-INCH CRUSHED GABION ROCK                           | 26                 |
| 260203A   | CRUSHED AGGREGATE                                    | 26                 |
| 723095A   | ROCK SLOPE PROTECTION (25 LB, CLASS I, METHOD B)     | 26                 |
| 723070A   | ROCK SLOPE PROTECTION (150 LB, CLASS III, METHOD B)  | 26                 |
| 723110A   | ROCK SLOPE PROTECTION (1/2-TON, CLASS VII, METHOD B) | 26                 |
| 398001    | REMOVE ASPHALT CONCRETE PAVEMENT                     | 15, 39             |

### 26 AGGREGATE BASES

**Add section 26-2:**

#### RECOVERED NATIVE MATERIAL

**26-2.01 GENERAL**

**26-2.01A Summary**

Section 26-2 includes specifications for the use of native material recovered during excavation.

**26-2.01B Definitions**

**crushed aggregate:** rock crushed into different sizes to form a suitable mix (gradation)

**durability index:** a measure of the relative resistance of an aggregate to production of detrimental clay-like fines

**gabion rock:** large blocky rocks with longest dimension of 3-8 inches

**geosynthetic textile:** material made of synthetic fibers or yarn constructed into a fabric that provides separation, reinforcement, protection, and filtration when placed between rock and an erodible surface

**manmade refuse:** concrete, asphalt concrete, metal, rubber, rubble, mixed debris

**native material:** rock originating from the Project site

**organics:** flora, detritus, fauna

**recovered material:** rock excavated, cleaned, sorted, mixed, and stockpiled

**resistance value (R-value):** representation of material resistance to plastic flow calculated from the ratio of applied vertical pressure to the developed lateral pressure under saturated conditions.

**rock slope protection (RSP):** rock used to stabilize material subject to erosion and scour

**sand equivalent:** a measure of the relative proportions of detrimental fine dust or clay-like material in soil or fine aggregates

**unsatisfactory material:** organics and manmade refuse are considered unsatisfactory for use in producing recovered materials and shall be removed

**26-2.01C Submittals**

Submit a QC plan for crushed aggregate, crushed gabion, and RSP

**26-2.01D Quality Assurance**

All recovered material shall be mixed by the contractor onsite or as approved by the Engineer and used in conformance with the plans. No rock shall be removed from the Project site without express consent from the Engineer.

**26-2.01D(2) Quality Control**

If the amount of native material that fails quality control causes a material shortage, substitute with an authorized material. An authorized substitute brought in as imported borrow is not exempt from quality control and testing as mentioned above

**26-2.01D(1) Quality Control Testing – Crushed Aggregate**

Quality control for crushed aggregate shall include testing the quality characteristics at the frequencies shown in the following table:

**QC Testing Frequencies**

| Quality characteristic        | Test method                        | Sampling location                                       | Minimum frequency   |
|-------------------------------|------------------------------------|---|---|
| R-value                       | California Test 301                | Stockpiles, transportation units, windrows, or roadways | 1 test before starting work and every 2,000 cu yd thereafter <sup>a</sup> |
| Aggregate gradation           | California Test 202                | Stockpiles, transportation units, windrows, or roadways | 1 per 500 cu yd but at least one per day of placement                     |
| Sand equivalent               | California Test 217                | Stockpiles, transportation units, windrows, or roadways |   |
| Durability index <sup>b</sup> | California Test 229; Procedure A/B | Stockpiles, transportation units, windrows, or roadways | 1 per project   |
| Relative compaction           | California Test 231                | Roadway   | 1 per 500 sq yd on each layer   |

**26-2.01D(2) Quality Control Testing – Crushed Gabion Rock**

Quality control for crushed gabion rock shall include testing the quality characteristics at the frequencies shown in the following table:

**QC Testing Frequencies**

| Quality characteristic          | Test method         |
|---------------------------------|---------------------|
| Apparent specific gravity (min) | California Test 206 |
| Absorption (max, %)             | California Test 206 |
| Durability index (min)          | California Test 229 |

Notes:

Durability absorption ratio (DAR) = course durability index/(percent absorption + 1)

If the DAR is greater than 10, the absorption may exceed 4.2 percent.

If the DAR is greater than 24, the durability index may be less than 52.

**26-2.01D(3) Quality Control Testing – Rock Slope Protection**

Quality control of RSP shall comply with section 72-2.02B of the standard specifications.

**26-2.01E County Acceptance**

The County accepts crushed aggregate and gabion rock based on aggregate gradation, R-value, durability, and sand equivalency requirements specified in section 26-2.02 of these special provisions.

The County accepts crushed RSP as specified in section 72-2 of the standard specifications.

**26-2.02 MATERIALS**

**26-2.02A General**

If a quantity of surplus material is shown, the quantity is approximate.

Dispose of surplus material. Ensure enough material is available to complete the new Randall Road, access roads, the southern berm, the basin side slopes, the rock slope protection, and the channel benching stabilization before disposing of it. Material recovered shall be free of organic or other unsatisfactory material before reuse

**26-2.02B Crushed Aggregate**

The contractor may use native material recovered during excavation for use as crushed aggregate along Randall Road and shall conform to the specifications for gradation, quality, and placement provided within these special provisions. Dispose of material that fails quality control. Requirements for gradation, quality, and placement are as follows.

Aggregate gradation shall be within the percentage passing limits for the sieve sizes shown in the following table:

**Aggregate Gradation**

| Sieve size | Percentage passing |
|------------|--------------------|
| 2"         | 100                |
| No. 4      | 20-50              |
| No. 200    | 0-12               |

The aggregate quality characteristics shall comply with the requirements shown in the following table:

**Aggregate Quality Characteristics**

| Quality characteristic    | Requirement     |                     |
|---------------------------|-----------------|---------------------|
|                           | Operating range | Contract compliance |
| Resistance (R-value, min) | --              | 78                  |
| Sand equivalent (min)     | 25              | 22                  |
| Durability index (min)    | --              | 35                  |

**26-2.02C Crushed Gabion Rock**

The contractor may use native material recovered during excavation for use as crushed gabion rock along access roads leading into the debris basin and shall conform to the specifications for gradation, quality, and placement

provided within these special provisions. Dispose of material that fails quality control. Gabion rock shall be within the percentage passing limits for the sieve sizes shown in the following table:

**Gabion Gradation**

| Sieve size | Percentage passing |
|------------|--------------------|
| 5"         | 100                |
| 4"         | 0-100              |
| 3"         | 0                  |

The gabion quality characteristics shall comply with the requirements shown in the following table:

**Gabion Quality Characteristics**

| Quality characteristic          | Requirement |
|---------------------------------|-------------|
| Apparent specific gravity (min) | 2.5         |
| Absorption (max, %)             | 4.2         |
| Durability index (min)          | 52          |

**26-2.02D Rock Slope Protection**

The contractor may use native material recovered during excavation for use as rock slope protection along the perimeter of the debris basin up the side slopes to the predicted 100-yr water surface and shall undergo the quality control, comply with the gradations, material requirements, and placement provided in section 72-2 of the standard specifications. Dispose of material that fails quality control.

If existing material found at the channel benching elevation is found to meet requirements for protection of the streambank as would be provided by Caltrans Class VII RSP, the existing material shall remain in place within the limits as directed by County Environmental. These locations will neither be measured or paid for as RSP placement. You must not import RSP for placement.

**26-2.03 CONSTRUCTION**

**26-2.03A Subgrade**

Immediately before spreading crushed aggregate, the subgrade shall comply with the specified compaction and elevation tolerance for the material involved and be free from loose or extraneous material. The contractor may use crushed aggregate to fill areas of the subgrade that are lower than the grade established by the Engineer. Earthwork shall comply with section 19 of the standard specifications.

**26-2.03B Placing Geosynthetic Materials**

Specifications for placing subgrade enhancement geosynthetic between subgrade and crushed aggregate are provided in section 19-10 of the standard specifications. Specifications for placing subgrade enhancement geosynthetic between subgrade and RSP is provided in section 72 of the standard specifications.

**26-2.03C Spreading**

**26-2.03C(1) Spreading – Crushed Aggregate**

Deliver uniform mixtures of crushed aggregate to the roadbed. Deposit crushed aggregate in layers or windrows. Spread and shape the crushed aggregate to such thickness that after watering and compacting, the completed crushed aggregate is within the tolerances specified within these special provisions. When crushed aggregate is spread and compacted the moisture content shall be uniform and sufficient to obtain the required compaction. Avoid material segregation. Crushed aggregate shall be free from pockets of coarse or fine material.

If the subgrade is cohesionless sand, the contractor may dump crushed aggregate in piles and spread it ahead in sufficient quantities to stabilize the subgrade, if authorized.

If the crushed aggregate thickness shown is 0.50 foot or less, spread and compact the crushed aggregate in at least 1 layer. If the thickness shown is more than 0.50 foot, spread and compact the crushed aggregate in at least 2 approximately equal layers in thickness. The compacted thickness of any one layer shall not exceed 0.50 foot. At locations inaccessible to spreading equipment, spread and compact crushed aggregate by any means that will attain the specified requirements.

### **26-2.03C(2) Spreading – Crushed Gabion Rock**

Deliver uniform mixtures of crushed gabion rock to the access road. Deposit crushed gabion rock in layers or windrows. Spread and shape the crushed gabion rock to such thickness that after watering and compacting, the completed crushed gabion rock is within the tolerances specified within these special provisions.

If the subgrade is cohesionless sand, the contractor may dump crushed gabion rock in piles and spread it ahead in sufficient quantities to stabilize the subgrade, if authorized.

If the crushed gabion rock thickness shown is 1.0 foot or less, spread and compact the crushed gabion rock in at least 1 layer. If the thickness shown is more than 1.0 foot, spread and compact the crushed gabion rock in at least 2 approximately equal layers in thickness. The compacted thickness of any one layer shall not exceed 1.0 foot. At locations inaccessible to spreading equipment, spread and compact crushed gabion rock by any means that will attain the specified requirements.

### **26-2.03C(3) Spreading – Rock Slope Protection**

Deliver uniform mixtures of RSP to debris basin.

RSP of the correct class is to be placed as shown in the plans. Placement method "B" is to be used as specified in section 72-2.03C of the standard specifications.

As part of the Base Bid, RSP will be placed at the toe of the basin side slopes and spread up the side slope to a minimum vertical height of 2.5 foot from station 5+75 along the San Ysidro "SY" alignment to station 7+75, 1.0 foot from station 7+75 to 11+00, and 5.5 foot from station 11+00 to 12+25.

Additional work may be required at the County's request. The additional work will extend beyond the proposed grading limits of the Base Bid and will be included in the Add Alternate. As part of the Add Alternate, existing RSP will be modified and additional RSP placed at the toe of the basin side slopes and spread up the side slope to achieve a minimum vertical height of 2.5 foot from station 5+75 "SY" to 7+75, 1.0 foot from station 7+75 to 13+50, and 5.5 foot from station 13+50 to 15+25.

RSP will extend 10 foot into the basin from the new banks formed by channel benching.

Local surface irregularities of the RSP shall not vary from the planned slope by more than 1 foot as measured at right angles to the protected slope or surface or at the discretion of the engineer.

The top of the finished RSP surface along the new banks formed by channel benching shall not vary more than 0.25 foot from the planned benching elevations established by the Engineer.

At the completion of slope protection work, fill voids in the footing trench with excavated material. Compaction is not required.

### **26-2.03D Compacting**

Earthwork must have a minimum of 90 percent relative compaction. Cut slopes must have a minimum of 85% relative compaction. Earthwork shall comply with section 19 of the standard specifications.

#### **26-2.03D(1) Compacting – Crushed Aggregate**

Compact each crushed aggregate layer to at least 95 percent relative compaction. Apply water to the crushed aggregate as needed to achieve the required compaction. Scarified and re-compacted subgrade must have a minimum of 95 percent relative compaction.

The finished crushed aggregate surface shall not vary more than 0.1 foot from the grade established by the Engineer.

#### **26-2.03D(2) Compacting – Crushed Gabion Rock**

Compact each crushed gabion layer to at least 95 percent relative compaction to properly orient the rock.

The finished crushed gabion surface shall not vary more than 0.3 foot from the grade established by the Engineer.

#### **26-2.03D(3) Compacting – Rock Slope Protection**

Cast loose soil over placed RSP until voids are filled and a soil cap deep enough is obtained to plant the required species as shown on the plans. Compaction of RSP material is not required.

### **26-2.04 PAYMENT**

Payment includes all work including excavation of native material, sorting, breaking, mixing, processing, testing,

stockpiling, handling, placement, removal of unsuitable, and the haul-off of unsuitable material.

The payment quantity for 4-Inch Crush Gabion Rock, Crushed Aggregate, and Rock Slope Protection Bid Items is the CY of placed material based on the theoretical volumes between the subgrade and proposed grade.

If the amount of material that fails quality control causes a material shortage and an authorized material is used as substitute, the payment quantity is the CY of imported borrow. If the amount of material that fails quality control causes a material shortage and an authorized material is used as substitute, obtaining and placing the material is change order work. The use of imported borrow shall conform with Section 26-4 and 26-5 of these special provisions and will be paid for under Section 9-1.04 Force Account.

If an ordered change increases the quantity of excavation or decreases the quantity of placed material such that surplus material shall be disposed of, disposing of this material is change order work. You must not import Class VII RSP for placement until limits of suitable material for protection to be left in place is determined by County Environmental.

The County may require the simultaneous construction of the Base Bid and Add Alternate if both portions of the project are awarded. If both portions are awarded the Class III and Class VII theoretical quantities for the Base Bid would be reduced and the total quantity would be equivalent to the total Base Bid and Add Alternate quantities.

In the event the Base Bid and Add Alternate are to be constructed together as a single Project, there will be close to a 35% reduction in the total quantity of required Class III RSP as the intermediary southern cut slope before construction of the Add Alternate would no longer be formed at the face of the 630 Randall Road property line. The reduction in depth of flow within the debris basin under the Add Alternate conditions will affect the required volume of RSP as per section 26-2.03C(3) of these special provisions and the construction details provided within the plan set. For this reason, the quantity of the Base Bid Item for Rock Slope Protection (150 LB, Class III, Method B) is 210 CY more than the total Class III RSP that would be required if the Base Bid and Add Alternate are constructed together. In the event both the Base Bid and Add Alternate are awarded, the Class III RSP will be paid for at the total of the Base Bid and Add Alternate Bid Items for Rock Slope Protection (150 LB, Class III, Method B) less 210 CY.

If existing material found at the channel benching elevation is found to meet requirements for protection of the streambank as would be provided by Caltrans Class VII RSP, the existing material shall remain in place within the limits as directed by County Environmental. These locations will neither be measured or paid for as RSP placement. You must not import Class VII RSP for placement until limits of suitable material for protection to be left in place is determined by County Environmental.

In the event the Base Bid and Add Alternate are to be constructed together as a single Project, there will be close to a 10% reduction in the total quantity of required Class VII RSP as the intermediary southern cut slope before construction of the Add Alternate would no longer be formed at the face of the 630 Randall Road property line. For this reason, the quantity of the Base Bid Item for Rock Slope Protection (1/2-Ton, Class VII, Method B) is 330 CY more than the total Class VII RSP that would be required if the Base Bid and Add Alternate are constructed together. In the event both the Base Bid and Add Alternate are awarded, the Class VII RSP will be paid for at the total of the Base Bid and Add Alternate Bid Items for Rock Slope Protection (1/2-Ton, Class VII, Method B) less 330 CY.

**Add section 26-3:  
NATIVE AGGREGATE FOR PARKING AREA SURFACING**

**26-3.01 GENERAL**

**26-3.01A Summary**

Section 26-3 includes specifications for constructing parking areas with Recovered Native Material in accordance with NSSP 26-2 of these special provisions.

**26-3.01B Definitions**

See 26-2.01B for list of definitions.

**26-3.01C Submittals**

See Section 26-2.01C for required submittals.

### 26-3.01D Quality Assurances

Quality control for crushed gabion rock for use in constructing parking areas shall conform to Section 26-2.01D(2) "Quality Control Testing – Crushed Gabion Rock"

### 26-3.02 MATERIALS

#### 26-3.02A General

Parking area surfacing shall consist of 4-inch crushed recovered native gabion rock to a minimum depth of 18-inches from the finish grade established by the engineer. The material gradation shall conform to Section 26-2.02C of these special provisions.

### 26-3.03 CONSTRUCTION

#### 26-3.03A General

The parking area shall be constructed as shown on the plans. Spreading shall conform to Section 26-2.03C(2) and compaction shall conform to Section 26-2.03D(2) of these special provisions.

### 26-3.04 PAYMENT

The use and payment of native materials shall conform to Section 26-2 "Recovered Native Material" of these special provisions.

### Add section 26-4: IMPORT MATERIAL

### 26-4.01 GENERAL

Use of imported materials shall conform to section 26-1, 72-2, and 26-4 of the standard specifications and these special provisions.

#### 26-4.01A Summary

Section 26-4 includes specifications for the use of import material in construction. The use of imported borrow is only authorized if the price per cubic yard can be obtained at a cost less than utilizing native materials, resulting in a negotiated and agreed upon credit to the project, and/or native materials do not meet quality and testing at the frequencies required.

#### 26-4.01B Definitions

**crushed aggregate:** rock crushed into different sizes to form a suitable mix (gradation)

**durability index:** a measure of the relative resistance of an aggregate to production of detrimental clay-like fines

**gabion rock:** large blocky rocks with longest dimension of 3-8 inches

**geosynthetic textile:** material made of synthetic fibers or yarn constructed into a fabric that provides separation, reinforcement, protection, and filtration when placed between rock and an erodible surface

**import material:** local and other off-site material transported to the Project for use as an authorized substitute in lieu of recovered native materials

**manmade refuse:** concrete, asphalt concrete, metal, rubber, rubble, mixed debris

**organics:** flora, detritus, fauna

**resistance value (R-value):** representation of material resistance to plastic flow calculated from the ratio of applied vertical pressure to the developed lateral pressure under saturated conditions.

**rock slope protection (RSP):** rock used to stabilize material subject to erosion and scour

**sand equivalent:** a measure of the relative proportions of detrimental fine dust or clay-like material in soil or fine aggregates

**unsatisfactory material:** organics and manmade refuse are considered unsatisfactory for use in producing recovered materials and shall be removed

**26-4.01C Submittals**

Submit a QC plan for Class 2 Aggregate Base, 4-inch Crushed Gabion, and RSP.

**26-4.01D Quality Assurance**

Aggregate, gabion, and RSP samples shall not be treated with lime, cement, or chemicals before testing for durability index. Aggregate from untreated reclaimed processed AC, PCC, LCB, or CTB is not considered treated.

**26-4.01D(1) Quality Control**

**26-4.01D(1)(a) Quality Control Testing – Crushed Aggregate**

Quality control for Class 2 Aggregate Base shall include testing the quality characteristics at the frequencies shown in the following table:

**QC Testing Frequencies**

| Quality characteristic        | Test method                        | Sampling location                                       | Minimum frequency   |
|-------------------------------|------------------------------------|---|---|
| R-value                       | California Test 301                | Stockpiles, transportation units, windrows, or roadways | 1 test before starting work and every 2,000 cu yd thereafter <sup>a</sup> |
| Aggregate gradation           | California Test 202                | Stockpiles, transportation units, windrows, or roadways | 1 per 500 cu yd but at least one per day of placement                     |
| Sand equivalent               | California Test 217                | Stockpiles, transportation units, windrows, or roadways |   |
| Durability index <sup>b</sup> | California Test 229; Procedure A/B | Stockpiles, transportation units, windrows, or roadways | 1 per project   |
| Relative compaction           | California Test 231                | Roadway   | 1 per 500 sq yd on each layer   |

**26-4.01D(1)(b) Quality Control Testing – Crushed Gabion Rock**

Quality control for 4-inch crushed gabion rock shall include testing the quality characteristics at the frequencies shown in the following table:

**QC Testing Frequencies**

| Quality characteristic          | Test method         |
|---------------------------------|---------------------|
| Apparent specific gravity (min) | California Test 206 |
| Absorption (max, %)             | California Test 206 |
| Durability index (min)          | California Test 229 |

Notes:

Durability absorption ratio (DAR) = course durability index/(percent absorption + 1)

If the DAR is greater than 10, the absorption may exceed 4.2 percent.

If the DAR is greater than 24, the durability index may be less than 52.

**26-4.01D(1)(c) Quality Control Testing – Rock Slope Protection**

Quality control of RSP shall comply with section 72-2.02B of the standard specifications.

**26-4.01E County Acceptance**

The County accepts crushed aggregate and gabion rock based on aggregate gradation, R-value, durability, and sand equivalency requirements specified in section 26-4.02 of these special provisions.

The County accepts RSP as specified in section 72-2 of the standard specifications.

**26-4.02 MATERIALS**

**26-4.02A General**

Imported material shall be clean and consist of any combination of the following:

Aggregate shall be clean and consist of any combination of the following:

1. Broken stone
2. Crushed gravel
3. Natural rough-surfaced gravel
4. Sand
5. Processed reclaimed asphalt concrete, PCC, LCB, or CTB

**26-4.02B Crushed Aggregate**

Imported material for use as crushed aggregate along Randall Road shall conform to the specifications for gradation, quality, and placement for Class II Aggregate Base as detailed in Section 26-1 of the standard specifications. Dispose of material that fails quality control. Requirements for gradation, quality, and placement are as follows.

Aggregate gradation shall be within the percentage passing limits for the sieve sizes shown in the following table:

**Aggregate Gradation**

| Sieve size | Percentage passing |                     |                  |                     |
|------------|--------------------|---------------------|------------------|---------------------|
|            | 1-1/2 inch maximum |                     | 3/4 inch maximum |                     |
|            | Operating range    | Contract compliance | Operating range  | Contract compliance |
| 2"         | 100                | 100                 | --               | --                  |
| 1-1/2"     | 90-100             | 87-100              | --               | --                  |
| 1"         | --                 | --                  | 100              | 100                 |
| 3/4"       | 50-85              | 45-90               | 90-100           | 87-100              |
| No. 4      | 25-45              | 20-50               | 35-60            | 30-65               |
| No. 30     | 10-25              | 6-29                | 10-30            | 5-35                |
| No. 200    | 2-9                | 0-12                | 2-9              | 0-12                |

The aggregate quality characteristics shall comply with the requirements shown in the following table:

**Aggregate Quality Characteristics**

| Quality characteristic    | Requirement     |                     |
|---------------------------|-----------------|---------------------|
|                           | Operating range | Contract compliance |
| Resistance (R-value, min) | --              | 78                  |
| Sand equivalent (min)     | 25              | 22                  |
| Durability index (min)    | --              | 35                  |

**26-4.02C Crushed Gabion Rock**

Imported material for use as crushed gabion rock along access roads shall conform to the specifications for gradation, quality, and placement provided within these special provisions. Dispose of material that fails quality control.

Gabion rock shall be within the percentage passing limits for the sieve sizes shown in the following table:

**Gabion Gradation**

| Sieve size | Percentage passing |
|------------|--------------------|
| 5"         | 100                |
| 4"         | 0-100              |
| 3"         | 0                  |

The gabion quality characteristics shall comply with the requirements shown in the following table:

| Quality characteristic          | Requirement |
|---------------------------------|-------------|
| Apparent specific gravity (min) | 2.5         |
| Absorption (max, %)             | 4.2         |
| Durability index (min)          | 52          |

#### **26-4.02D Rock Slope Protection**

Imported material for use as RSP along the perimeter of the debris basin, benching elevations, and debris racks shall comply with the quality control, gradations, material requirements, and placement provided in section 72-2 of the standard specifications. Dispose of material that fails quality control.

### **26-4.03 CONSTRUCTION**

#### **26-4.03A Subgrade**

Immediately before spreading crushed aggregate, the subgrade shall comply with the specified compaction and elevation tolerance for the material involved and be free from loose or extraneous material.

The contractor may use crushed aggregate to fill areas of the subgrade that are lower than the grade established by the Engineer.

Earthwork shall comply with section 19 of the standard specifications.

#### **26-4.03B Placing Geosynthetic Materials**

Specifications for placing subgrade enhancement geosynthetic between subgrade and crushed aggregate are provided in section 19-10 of the standard specifications.

Specifications for placing subgrade enhancement geosynthetic between subgrade and RSP is provided in section 72 of the standard specifications.

#### **26-4.03C Spreading**

##### **26-4.03C(1) Spreading – Crushed Aggregate**

Deliver uniform mixtures of crushed aggregate to the roadbed. Deposit crushed aggregate in layers or windrows. Spread and shape the crushed aggregate to such thickness that after watering and compacting, the completed crushed aggregate is within the tolerances specified within these special provisions. When crushed aggregate is spread and compacted the moisture content shall be uniform and sufficient to obtain the required compaction. Avoid material segregation. Crushed aggregate shall be free from pockets of course or fine material.

If the subgrade is cohesionless sand, the contractor may dump crushed aggregate in piles and spread it ahead in sufficient quantities to stabilize the subgrade, if authorized.

If the crushed aggregate thickness shown is 0.50 foot or less, spread and compact the crushed aggregate in at least 1 layer. If the thickness shown is more than 0.50 foot, spread and compact the crushed aggregate in at least 2 approximately equal layers in thickness. The compacted thickness of any one layer shall not exceed 0.50 foot. At locations inaccessible to spreading equipment, spread and compact crushed aggregate by any means that will attain the specified requirements.

##### **26-4.03C(2) Spreading – Crushed Gabion Rock**

Deliver uniform mixtures of crushed gabion rock to the access road. Deposit crushed gabion rock in layers or windrows. Spread and shape the crushed gabion rock to such thickness that after watering and compacting, the completed crushed gabion rock is within the tolerances specified within these special provisions.

If the subgrade is cohesionless sand, the contractor may dump crushed gabion rock in piles and spread it ahead in sufficient quantities to stabilize the subgrade, if authorized.

If the crushed gabion rock thickness shown is 1.0 foot or less, spread and compact the crushed gabion rock in at least 1 layer. If the thickness shown is more than 1.0 foot, spread and compact the crushed gabion rock in at least 2 approximately equal layers in thickness. The compacted thickness of any one layer shall not exceed 1.0 foot.

At locations inaccessible to spreading equipment, spread and compact crushed gabion rock by any means that

will attain the specified requirements.

### **26-4.03C(3) Spreading – Rock Slope Protection**

Deliver uniform mixtures of RSP to debris basin.

RSP of the correct class is to be placed as shown in the plans. Placement method “B” is to be used as specified in section 72-2.03C of the standard specifications.

RSP will be placed at the toe of the basin side slopes and spread up the side slope to a vertical height of 2.5 foot from station 6+41.1 “SY” to 7+77.5, 1.0 foot from station 7+77.5 to 13+66.6, and 5.5 foot from station 13+66.6 to 15+31.7.

RSP will extend 10 foot into the basin from the new banks formed by channel benching.

RSP will extend 2 feet upstream and 5 feet downstream of the debris racks.

Local surface irregularities of the RSP shall not vary from the planned slope by more than 1 foot as measured at right angles to the protected slope or surface or at the discretion of the engineer.

The top of the finished RSP surface along the new banks formed by channel benching shall not vary more than 0.25 foot from the planned benching elevations established by the Engineer.

At the completion of slope protection work, fill voids in the footing trench with excavated material. Compaction is not required.

### **26-4.03D Compacting**

#### **26-4.03D(1) Compacting – Crushed Aggregate**

Compact each crushed aggregate layer to at least 95 percent relative compaction. Apply water to the crushed aggregate as needed to achieve the required compaction.

The finished crushed aggregate surface shall not vary more than 0.1 foot from the grade established by the Engineer.

#### **26-4.03D(2) Compacting – Crushed Gabion Rock**

Compact each crushed gabion layer to 95 percent relative compaction to properly orient the rock.

The finished crushed gabion surface shall not vary more than 0.3 foot from the grade established by the Engineer.

#### **26-4.03D(3) Compacting – Rock Slope Protection**

Compaction of RSP material is not required.

Earthwork shall comply with section 19 and these special provisions.

### **26-4.04 PAYMENT**

Payment includes all work and labor including obtaining, testing, placing, removal of unsuitable, and the haul-off of unsuitable imported materials. The use of imported borrow is only authorized if the price per cubic yard can be obtained at a cost less than utilizing native materials and/or native materials do not meet quality and testing at the frequencies required.

The payment quantity for obtaining, testing, and placing material is the volume of import in cubic yards (CY) involved in constructing:

1. Basin Perimeter RSP
2. Benching Elevation RSP
3. Debris Rack RSP
4. Ditch Outfall RSP
5. Class II Aggregate Base along Randall Road
6. 4-Inch Crushed Gabion Access Ramps

The payment quantity for imported borrow is paid by theoretical volume basis determined from the planned or authorized cross sections and the measured ground surface adjusted by subtracting the theoretical quantities of material from excavations.

If the amount of material that fails quality control causes a material shortage and an authorized material is used as substitute, the payment quantity is the CY of imported borrow as change order work.

The payment quantity for imported borrow does not include material placed to fill low areas. The contractor may use crushed aggregate to fill areas of the subgrade that are lower than the grade established by the Engineer. If an ordered change increases the quantity of excavation or decreases the quantity of placed material such that surplus material shall be disposed of, disposing of this material is change order work.

**Add section 26-5:  
IMPORTED AGGREGATE FOR PARKING AREA SURFACING**

**26-5.01 GENERAL**

**26-5.01A Summary**

Section 26-5 includes specifications for constructing parking areas with Import Material in accordance with NSSP 26-4 of these special provisions.

**26-5.01B Definitions**

See Section 26-4.01B for list of definitions.

**26-5.01C Submittals**

See Section 26-4.01C for required submittals.

**26-5.01D Quality Assurances**

Quality control for crushed gabion rock for use in constructing parking areas shall conform to Section 26-4.01D(1)(b) "Quality Control Testing – Crushed Gabion Rock"

**26-5.02 MATERIALS**

**26-5.02A General**

Parking area surfacing shall consist of 4-inch crushed recovered native gabion rock to a depth of 18-inches from the finish grade established by the engineer. The material gradation shall conform to Section 26-4.02C of these special provisions.

**26-5.03 CONSTRUCTION**

**26-5.03A General**

The parking area shall be constructed as shown on the plans. Spreading shall conform to Section 26-4.03C(2) and compaction shall conform to Section 26-4.03D(2) of these special provisions.

**26-5.04 PAYMENT**

The use of imported borrow is only authorized if the price per cubic yard can be obtained at a cost less than utilizing native materials and/or native materials do not meet quality and testing at the frequencies required. The use and payment of imported materials shall conform to Section 26-4 "IMPORT MATERIAL" of these special provisions.

**DIVISION VI STRUCTURES**

**Add prior to section 45:**

### Bid Items and Applicable Sections

| Item code | Item description                  | Applicable section |
|-----------|-----------------------------------|--------------------|
| 490400A   | 24" DRILLED HOLE                  | 45, 49             |
| 490535A   | FURNISH 12-INCH STEEL PIPE PILING | 45                 |
| 550203A   | FURNISH STRUCTURAL STEEL          | 45                 |
| 520101A   | REINFORCEMENT STEEL               | 45                 |
| 510526A   | MINOR CONCRETE (BACKFILL)         | 45, 51, 90         |
| 150230A   | DESTROY WELL                      | 76                 |

## 45 GENERAL

Add section 45-2:

### DEBRIS RACKS

#### 45-2.01 GENERAL

##### 45-2.01A Summary

Section 45-2 includes specifications for debris racks.

##### 45-2.01B Definitions

**LWD:** Large woody debris carried by flows

**Vertical Element:** Vertical piles to block large woody debris and boulders

**Horizontal Element:** Horizontal top rail for structural reinforcement

**Concrete Footing:** Reinforced cast-in-place concrete footing connecting CIDH Concrete Piling to Vertical Elements

**CIDH Concrete Pile:** Cast-in-drillhole vertical concrete piles to secure footing

**Cover:** The least distance between the surface of embedded bar reinforcing steel and the outer surface of the concrete

**Bar Reinforcing Steel:** Deformed bar steel reinforcement for footing and main pile

**RSP:** Rock slope protection to mitigate sour at footing

**WT2x34:** Tee cut from w-section (Depth of Section x Width of section)

#### 45-2.02 MATERIALS

##### 45-2.02A General

Horizontal elements will be WT12x34, ASTM A709 Grade 36. Vertical elements will be 12-inch steel pipe with a minimum wall thickness of 0.375 inches, ASTM A252 or API 5L Grade X52, PSL1. The pipes will be knife cut through top end of pipe to receive the Horizontal Elements. The vertical elements will be set in a reinforced Concrete Footing that is 5-feet deep and 3-feet wide. The footing will be secured in place with 24-inch CIDH Concrete Piles. The Vertical Elements will be filled with Minor Concrete. Bar Reinforcing Steel will consist of #4 hoops, #4 stirrups, #4 bars, #5 bars, and #8 bars. Class VII RSP will be placed from the top of footing to the finish grade established by the engineer. The use and payment of native materials shall conform to Section 26-2 "Recovered Native Material" of these special provisions. The use and payment of imported materials shall conform to Section 26-4 "Import Material" of these special provisions. The use of steel materials shall conform to section 55 "Steel Structures" of the standard specifications. The use of 12-inch steel pipe and CIDH Concrete Piling shall conform to Section 49 "Piling" of the standard specifications. The use of Minor Concrete for Concrete Footing shall conform to Section 51 "Concrete Structures" of the standard specifications. The use of concrete for CIDH Concrete Piling shall conform to Section 49-3 "Cast-In-Place Concrete Piling" of the standard specifications. The use of bar reinforcing steel shall conform to section 52 "Reinforcement" of the standard specifications.

Minor Concrete for CIDH Concrete Piles shall have a minimum 30-day compressive strength of 3,600 psi and conform to Section 90 CONCRETE of the standard specifications.

Minor Concrete for concrete footing shall have a minimum 30-day compressive strength of 3,600 psi and conform to Section 90 CONCRETE of the standard specifications.

Submittals and Quality Assurance shall conform to the standard specifications.

### **45-2.03 CONSTRUCTION**

#### **45-2.03A General**

##### **45-2.03A(1) General**

The Straight and Angled debris racks shall be constructed as detailed in the plans and shall conform to the standard specifications and these special provisions.

##### **45-2.03A(2) Horizontal Elements**

Horizontal Elements will be set in knife cut through top of pipe. A maximum of 0.5-inch gap between WT12x34 top rails at the Vertical Elements will be allowed where a discontinuous joint occurs. Discontinuous joints may be placed at any pile at the contractor's option.

##### **45-2.03A(3) Vertical Elements**

The Vertical Elements will be set in the footing 4.75-feet deep. The Vertical Elements for the Straight and Angled debris racks will be spaced on center 10-feet and 8-feet respectively. The Straight debris rack Vertical Elements will extend 5-feet above finish grade. The Angled debris rack Vertical Elements will extend 6.5-feet above finish grade. The Vertical Elements will be filled with Minor Concrete.

##### **45-2.03A(4) Concrete Footing**

The Concrete Footing will be 5-feet deep and 3-feet wide and extend the full length of the debris rack with an additional 3.5-feet and 2.5-feet at both ends of the straight and angled debris racks respectively. The footing will be reinforced as detailed in the plans.

##### **45-2.03A(5) CIDH Concrete Pile**

Construction of CIDH Concrete Piles shall have a minimum 30-day compressive strength of 3,600 psi and conform to Section 90 CONCRETE of the standard specifications.

The CIDH Concrete Pile will extend 16-feet below the bottom of footing. The typical straight rack CIDH pile spacing will be 20.5-feet on center with a spacing between the centermost CIDH Piles of 24-feet. The Angled rack CIDH piles will be spaced 36-feet on center. The piles will be reinforced as specified in the plans.

### **45-2.04 PAYMENT**

#### **45-2.04A Measurement & Payment**

Payment for bar reinforcing steel, Furnish Structural Steel, and Finish 12-Inch Steel Pipe Piling is measured by the pound (LB) and is a Final Pay item. Payment for Excavation is measured by the cubic yard (CY) and is a final pay item. Payment for Minor Concrete is measured by the cubic yard (CY) and is a final pay item. Payment for 24" Drilled Hole is measured by the liner foot (LF).

Payment for horizontal elements shall be measured by the pound (LB) calculated from the dimensions of the rolled section and total length of horizontal elements as shown in the plans using the weight of steel of 490 pounds per cubic foot. Payment shall include all labor, tools, materials, and incidentals to complete the installation of horizontal elements as shown in the plans.

Payment for vertical elements shall be measured by the pound (LB) calculated from the dimensions of the pipe section and total length of vertical elements, including embedded portions with concrete footings as shown in the plans using the weight of steel of 490 pounds per cubic foot. Payment shall include all labor, tools, materials, and incidentals to complete the installation of vertical elements as shown in the plans.

Payment for concrete footings will be included in the bid items for CY of Excavation, CY of Minor Concrete, and

LB of Bar Reinforcing Steel. Payment shall include all labor, tools, material, and incidentals to complete the installation of concrete footings as shown in the plans. The limits of payment for CY of excavation shall encompass the volume of the reinforced concrete footing as shown on the plans plus an additional 1 foot beyond the vertical faces of the footing and from the bottom of the footing to the original ground surface. The measurement of payment for CY of Minor Concrete shall be the volume encompassed by the length, width, and depth of the footing as shown on the plans. The measurement of payment for LB of bar reinforcing steel shall include all bar reinforcing shown within the limits of the footing.

Payment for CIDH concrete piles will be included in the bid items for LF of 24" Drilled Hole, CY of Minor Concrete, and LB of Bar Reinforcing Steel. Payments shall include all labor, tools, materials, and incidentals to complete the installation of CIDH concrete piles as shown in the plans. The limits of payment for LF of 24" Drilled Hole and CY of Minor Concrete shall be measured from the bottom of the concrete footing to the bottom of pile as shown on the plans. The measurement of payment for LB of bar reinforcing steel shall include all bar reinforcing steel shown within the limits of the CIDH concrete piles including reinforcing extending into the concrete footing.

## 60 EXISTING STRUCTURES

### Add to section 60-2.01A:

Remove the following structures or portions of structures:

| Bridge no./Structure name                               | Description of work  |
|---|--|
| Existing Building, 640 Randall Road<br>(5,300 SQFT)     | Remove structure completely. Building location:<br>08+23.9 "RR" 107.1' LT                                  |
| Existing Concrete Pad, 640 Randall Road<br>(5,300 SQFT) | Remove structure completely. Concrete Pad location:<br>08+23.9 "RR" 107.1' LT                              |
| Existing Building, 640 Randall Road<br>(900 SQFT)       | Remove structure completely. Building location:<br>08+27.7 "RR" 49.2' LT                                   |
| Existing Concrete Pad, 640 Randall Road<br>(760 SQFT)   | Remove structure completely. Concrete Pad location:<br>08+27.7 "RR" 49.2' LT                               |
| Existing Concrete Pad, 640 Randall Road<br>(3,815 SQFT) | Remove structure completely. Concrete Pad location:<br>07+28.5 "RR" 1.4' LT                                |
| Existing Concrete Pad, 650 Randall Road<br>(1,950 SQFT) | Remove structure completely. Concrete Pad location:<br>05+75.7 "RR" 70.1' LT                               |
| Existing Concrete Pad, 670 Randall Road<br>(3,766 SQFT) | Remove structure completely. Concrete Pad location:<br>03+48.9 "RR" 9.0' LT                                |
| Existing Concrete Pad, 680 Randall Road<br>(221 SQFT)   | Remove structure completely. Concrete Pad #5 location:<br>01+20.70 "RR" 112.1' LT                          |
| Existing AC Paving (17535 SQFT)                         | Remove portions of the structure as specified by<br>hatching and saw cut lines within the Demolition Plan. |

Locate and remove the following structures:

| Bridge no./Structure name                              | Description of work  |
|--|--|
| Buried Driveway, 620 Randall Road<br>(1,778 SQFT)      | Remove structure completely. Driveway location:<br>10+42.7 "RR" 5.1' LT        |
| Buried Foundation, 620 Randall Road<br>(5,680 SQFT)    | Remove structure completely. Foundation location:<br>10+44.0 "RR" 100.1' LT    |
| Buried Foundation, 650 Randall Road<br>(1,504 SQFT)    | Remove structure completely. Foundation location:<br>06+30.6 "RR" 55.5' LT     |
| Buried Driveway, 650 Randall Road<br>(2,566 SQFT)      | Remove structure completely. Driveway location:<br>05+70.5 "RR" 11.7' LT       |
| Buried Foundation, 660 Randall Road<br>(7,801 SQFT)    | Remove structure completely. Foundation location:<br>05+20.7 "RR" 131.4' LT    |
| Buried Driveway, 660 Randall Road<br>(660 SQFT)        | Remove structure completely. Driveway location:<br>04+27.30 "RR" 8.0' LT       |
| Buried Pool and Deck, 660 Randall Road<br>(3,398 SQFT) | Remove structure completely. Pool and deck location:<br>03+76.2 "RR" 91.8' LT  |
| Buried Foundation, 670 Randall Road<br>(3,835 SQFT)    | Remove structure completely. Foundation location:<br>03+58.5 "RR" 90.6' LT     |
| Buried Driveway, 670 Randall Road<br>(1,182 SQFT)      | Remove structure completely. Driveway location:<br>02+67.6 "RR" 20.8' LT       |
| Buried Pool, 680 Randall Road<br>(623 SQFT)            | Remove structure completely. Pool location:<br>02+17.3 "RR" 165.8' LT          |
| Buried Driveway, 680 Randall Road<br>(1,392 SQFT)      | Remove structure completely. Driveway #6 location:<br>01+62.6 "RR" 3.1' RT     |
| Buried Foundation, 680 Randall Road<br>(2,711 SQFT)    | Remove structure completely. Foundation #3 location:<br>01+39.4 "RR" 125.8' LT |

Locate and remove the following miscellaneous structures:

| Bridge no./Structure name         | Description of work  |
|-----------------------------------|--|
| Septic Tank, 620 Randall Road     | Remove Structure Completely. Location: Determine by field inspection during excavation |
| Septic Tank, 640 Randall Road     | Remove Structure Completely. Location: Determine by field inspection during excavation |
| Septic Tank, 650 Randall Road     | Remove Structure Completely. Location: Determine by field inspection during excavation |
| Septic Tank, 660 Randall Road     | Remove Structure Completely. Location: Determine by field inspection during excavation |
| Septic Tank, 670 Randall Road     | Remove Structure Completely. Location: Determine by field inspection during excavation |
| Septic Tank, 680 Randall Road     | Remove Structure Completely. Location: Determine by field inspection during excavation |
| Cistern, 650 Randall Road         | Remove Structure Completely. Location: 05+88.17 "RR" 129.95' LT                        |
| Cistern, 670 Randall Road         | Remove Structure Completely. Location: 02+48.50 "RR" 33.90' LT                         |
| Ham Radio Tower, 670 Randall Road | Remove completely. Location: 03+53.0 "RR" 156.4' LT                                    |

Additional work may be required at the County's request. The additional work will extend beyond the proposed grading limits of the Base Bid and will be included in the Add Alternate. Locate and remove the following structures as part of the Add Alternate:

| Bridge no./Structure name                             | Description of work   |
|---|---|
| Buried Foundation, 1760 East Valley Road (6,425 SQFT) | Remove structure completely. Foundation location: 14+72.3 "SY" 52.5' LT     |
| Buried Tennis Court, 630 Randall Road (1,497 SQFT)    | Remove structure completely. Tennis Court location: 08+90.4 "RR" 224.82' LT |
| Buried Driveway, 630 Randall Road (1,478 SQFT)        | Remove structure completely. Driveway #2 location: 09+38.2 "RR" 4.0' RT     |

Locate and remove the following miscellaneous structures as part of the Add Alternate:

| Bridge no./Structure name          | Description of work  |
|------------------------------------|--|
| Septic Tank, 630 Randall Road      | Remove Structure Completely. Location: Determine by field inspection during excavation |
| Septic Tank, 1760 East Valley Road | Remove Structure Completely. Location: Determine by field inspection during excavation |

All concrete, asphalt concrete (AC) paving, buildings, bar reinforcing steel, site walls, miscellaneous walls, etc. within the proposed grading limits of the Project are to be removed entirely unless otherwise noted on the plans. The work shall be performed in accordance with section 60-2 of the standard specifications. Structure removal over or adjacent to water shall comply with the requirements specified in section 13-4.03E(6) and 13-12 of the standard specifications and these special provisions.

**Add to section 60-2.01D:**

Payment for removal of miscellaneous existing structures will be measured in lump sum (LS) as:

- 1) The cost of required removals identified through survey, aerial photography, and historic imaging
- 2) The cost of smaller removal items identified by site walk and visual inspection
- 3) The cost of debris and rubble removals not shown or identified in any of the contract documents that is in excess of 180 cubic yards (CY)

Additional work may be required at the County's request. Debris and rubble in excess of 35 CY will be paid under basin excavation as part of the Add Alternate.

Buried man-made objects that could not have been determined by visual inspection, once encountered, will be removed and paid by force account under Section 9-1.03D of the standard specifications.

# DIVISION VIII MISCELLANEOUS CONSTRUCTION

Add prior to section 72:

## Bid Items and Applicable Sections

| Item code | Item description        | Applicable section |
|-----------|-------------------------|--------------------|
| 150230A   | DESTROY WELL            | 76                 |
| 066801A   | ACCESS GATES & HARDWARE | 75                 |
| 036843A   | POST & RAIL FENCE       | 80                 |

## 75 MISCELLANEOUS METAL

Add section 75-9:

### ACCESS GATES & HARDWARE

#### 75-9.01 GENERAL

##### 75-9.01A Summary

Section 75-9 includes specifications for fabricating and constructing access gates to deny access from East Valley Road.

##### 75-9.01B Definitions

**Portland Cement Concrete (PCC):** cement in which no reinforcement is provided

#### 75-9.02 MATERIALS

##### 75-9.02A General

The frame of the access gates will be welded from 3-inch schedule 40 galvanized steel pipe. The dimensions of the individual elements shall be as shown on the plans. The gate posts will be 6-inch schedule 40 galvanized steel pipe. Hinge connectors will be 4-inch schedule 40 galvanized steel pipe of 6-inches in length with an 8"x3"x0.5" plate. Pipe stoppers will be 4-inch schedule 40 galvanized steel and 2-inches in length. The use of steel materials shall conform to section 75 "Miscellaneous Metal" of the standard specifications. Welding shall conform to Section 11 "Welding" of the standard specifications. The use of concrete shall conform to Section 51 "Concrete Structures" of the standard specifications.

Submittals and Quality Assurance shall conform to the standard specifications.

#### 75-9.03 CONSTRUCTION

##### 75-9.03A General

##### 75-9.03A(1) General

Posts, frames, gates, and hardware shall be of the type shown on the plans and shall conform to the provisions in Section 80, "Fences," of the Standard Specifications and these special provisions.

##### 75-9.03A(2) Frame

3-inch pipe elements will be welded together to form the frame of the access gate. The frame will be anchored by its 7.5-foot-long vertical pipe elements set 3.5-feet deep in a 12-inch diameter by 4-foot PCC footing. The width of vehicle access and gate will be 20-feet. Pedestrian access of 4-feet in width will be provided at the western access gate and be obstructed by a horizontal element with top of pipe 1-foot above finish grade.

##### 75-9.03A(3) Gate Post

The post at the access gate hinge will be 12.5-feet in length and set 5.5-feet deep in a 24-inch diameter by 6-foot PCC footing. The 20-feet of gate frame will be connected to the posts with four hinge connectors and two pipe stoppers on the bottom and third from bottom hinges.

##### 75-9.03A(4) Coating

Exposed galvanized steel will require protection.

All posts, frames, gates, and hardware shall be coated dark green to conform with the provisions in Section 59-3, "Painting Galvanized Surfaces," of the Standard Specifications.

Gate frames shall be fabricated and welded prior to the application of coatings. Damaged coatings, which have been field or shop cut, burned, abraded, or otherwise damaged, shall be repaired and re-coated.

**75-9.03A(5) PCC Footing**

Hinge and frame posts will be set in cylindrical footings with no additional reinforcement. The top of footing will meet with finish grade.

**75-9.04 PAYMENT**

**75-9.04A Measurement & Payment**

Payment for Access Gate and Hardware is measured in lump sum (LS) by the cost of framing, gate posts, coatings, concrete, and labor that is necessary to construct the access gates as detailed in the plans.

**76 WELLS**  
**Add section 76-6:**  
**DESTROY WELLS**

**76-6.01 GENERAL**

**76-6.01A Summary**

Section 76-6 includes specifications for abandoning wells.

Locate and destroy the following wells:

| Well no./Structure name  | Description of work  |
|--------------------------|--|
| Well #1 (680 Randall Rd) | Destroy Well #1. Confirm location:<br>01+93.58 "RR" 179.17' LT                   |
| Well #2 (670 Randall Rd) | Destroy Well #2. Well location:<br>02+34.55 "RR" 161.63' LT                      |
| Well #3 (670 Randall Rd) | Confirm Well #3 is properly destroyed. Well location:<br>02+48.50 "RR" 33.90' LT |
| Well #4 (650 Randall Rd) | Destroy Well #4. Well location:<br>05+88.17 "RR" 129.95' LT                      |

Additional work may be required at the County's request. The additional work will extend beyond the proposed grading limits of the Base Bid and will be included in the Add Alternate. Locate and remove the following wells as part of the Add Alternate:

| Well no./Structure name  | Description of work  |
|--------------------------|--|
| Well #5 (630 Randall Rd) | Destroy Well #5. Confirm location:<br>08+58.80 "RR" 179.36 LT  |
| Well #6 (620 Randall Rd) | Destroy Well #6. Confirm location:<br>10+45.66 "RR" 187.46' LT |

**76-6.01B Definitions**

Not Used.

**76-6.02 MATERIALS**

**76-6.02A General**

Not Used.

**76-6.03 CONSTRUCTION**

**76-6.03A General**

Wells must be destroyed by a contractor with a C-57 well drilling license by sealing the upper 20 feet with impervious sealing material. The remainder of the well must be filled with suitable fill or sealing material. The well casing must be cut-off six feet below ground level and the material used in abandonment must be allowed to spill over the top of the well at least one foot thick. Impervious sealing materials include:

- Neat cement

- Sand-cement grout
- Concrete
- Bentonite clay
- Well-proportioned mixes of silts, sands, clays (or cement), and native soils that have coefficient of permeability of less than 10 feet per year

Used drilling muds are not acceptable filler material and must not be used in well abandonment. Filler material suitable for use as filler in destroying wells include:

- Clay
- Silt
- Sand
- Gravel
- Crushed rock
- Native soils

#### **76-6.04 PAYMENT**

##### **76-6.04A Measurement & Payment**

The destruction of wells is measured for payment as the cost of labor and materials required to abandon each (EA) well.

## **80 FENCES**

### **Add section 80-5: POST & RAIL FENCE**

#### **80-5.01 GENERAL**

##### **80-5.01A Summary**

Section 80-5 includes specifications for constructing post and rail fences.

##### **80-5.01B Definitions**

**post:** vertical cylindrical wooden structural elements of fence with dowel holes

**rail:** horizontal cylindrical wooden structural elements with doweled ends to be slotted through the posts

**lodgepole pine:** affordable straight-trunked pine tree grown for timber in North America

**Portland Cement Concrete (PCC):** cement in which no reinforcement is provided

#### **80-5.02 MATERIALS**

##### **80-5.02A General**

Post and rail fence shall be round, pressure treated lodgepole pine. Dimensions of posts and rails shall be as shown on the plans. Rails shall be doweled. Posts shall have chamfered tops and shall be drilled to receive the rails. The posts will be set in a PCC footing that rests on top of native crushed aggregate or gravel. The use and payment of native materials shall conform to Section 26-2 "Recovered Native Material" of these special provisions. The fence manufacturer shall provide a lifetime fencing materials guarantee.

#### **80-5.03 CONSTRUCTION**

##### **80-5.03A General**

The post and rail fence shall be of the type shown on the plans and shall conform to the provisions in Section 80, "Fences," of the Standard Specifications and these special provisions. Posts will be spaced on center a maximum of 8 feet and extend 3 feet above finish grade. The upper and lower rails will be doweled into the posts spaced 1 foot and 2 inches on center. The upper rails will be doweled in 10.5 inches from the top of post.

#### **80-5.04 PAYMENT**

##### **80-5.04A Measurement & Payment**

The post and rail fence is measured for payment by the linear foot (LF) horizontally along the top of the fence, excluding gates. This quantity includes the cost of all labor, materials, incidentals, and work required for the entire installation including:

- Each 3" doweled lodgepole pine rail
- Each 6" drilled lodgepole pine post
- Cubic Yards of post hole excavation
- Cubic Yards of PCC



Santa Barbara County Public Works Department  
Flood Control  Water Agency  Project Clean Water

**ADDENDUM NUMBER 1**

To: All Bidders  
From: Jonathan S. Frye, Engineering Manager   
Date: February 18, 2021  
Project: Randall Road Debris Basin Project  
Bid Date: 2:00 PM, Tuesday, March 16, 2021 (No Change)

---

The following changes to the subject project shall be incorporated by this Addendum #1:

**BID BOOK**

1. Replace term 2.1 of the Proposal (BID – Page 3 of 14) with:  
*2.1. If a discrepancy between what is entered into PlanetBids and what is entered in the Bid Book exists, the PlanetBids entry will take precedence.*

**Acknowledgement of receipt of this Addendum Number 1 by the Contractor shall be made in the appropriate space provided on the Proposal (BID-Page 3 of 16), and as required in PlanetBids.**

Attachments: None



Santa Barbara County Public Works Department  
Flood Control Water Agency Project Clean Water  
**ADDENDUM NUMBER 2**

To: All Bidders  
From: Jonathan S. Frye, Engineering Manager JSF  
Date: March 4, 2021  
Project: Randall Road Debris Basin Project  
Bid Date: 2:00 PM, Tuesday, March 16, 2021 (No Change)

---

The following changes to the subject project shall be incorporated by this Addendum #2:

**SPECIAL PROVISIONS**

1. Add to section 10-1, General, of the Flood Control District Provisions:

*Personal artifacts encountered during regular construction activities shall be set aside by the Contractor when directed to do so by the District representative at no additional cost unless additional equipment is required which would be paid for under force account under Section 9-1.04. The Contractor does not take on any liability or responsibility for any personal artifacts that are damaged or inadvertently discarded during construction. The intent is that items of a personal or valuable nature that were displaced by the debris flow will be given an opportunity to be reunited with its owner.*

**Acknowledgement of receipt of this Addendum Number 2 by the Contractor shall be made in the appropriate space provided on the Proposal (BID-Page 3 of 16), and as required in PlanetBids.**

Attachments: None



Santa Barbara County Public Works Department  
Flood Control Water Agency Project Clean Water  
**ADDENDUM NUMBER 3**

To: All Bidders  
From: Jonathan S. Frye, Engineering Manager JSF  
Date: March 9, 2021  
Project: Randall Road Debris Basin Project  
Bid Date: 2:00 PM, Tuesday, March 16, 2021 (No Change)

---

The following changes to the subject project shall be incorporated by this Addendum #3.

**BID BOOK**

1. Replace the Entire Bid Book with the attached Bid Book.

**ADDENDUM NUMBER 1**

Strike Addendum Number 1. Addendum Number 1 is no longer a contract component.

**NOTICE TO BIDDERS AND SPECIAL PROVISIONS**

1. Replace the Copy of Bid Item List (pages 7 and 8) with the attached Copy of Bid Item List.
2. Delete Section 26-2.03B, Placing Geosynthetic Materials.
3. Delete Section 26-4.03B, Placing Geosynthetic Materials

4. Add to Section 45-2.02, Material:

*Galvanize posts and braces under section 75-1.02B except, instead of galvanizing, tubular posts and braces may have a protective coating system complying with the following:*

1. *Exterior surfaces of tubular posts and braces must have a combination coating consisting of hot-dip galvanized primer followed by a chromate conversion coating and then a finish coat of clear, cross-linked organic coating. For this combination coating:*
  - 1.1. *Thickness of the zinc coating must be at least 0.9 mil as determined from the average results of at least 2 samples and at least 0.8 mil on an individual sample.*
  - 1.2. *Chromate conversion coating must be at least 15 µg/sq in.*
  - 1.3. *Total thickness of the combination coating must be at least 1.7 mils.*

- 1.4. *Exterior clear-coated surface of the pipe must have demonstrated the ability to resist 1,000 hours of exposure to salt fog with a maximum of 5 percent red rust when tested under ASTM B117.*
- 1.5. *Clear finish coat must not have any film cracking after 500 hours of exposure in an artificial weathering device under one of the following:*
  - 1.5.1. *ASTM G152, cycles 1, or 3 Carbon Arc artificial weathering device.*
  - 1.5.2. *ASTM G155, cycles 1, or 2 Xenon Arc artificial weathering device.*
- 1.6. *Clear finish coat must not have blistering or cracking after 500 hours of exposure to 100 percent relative humidity under ASTM D2247.*
2. *Interior surfaces must have a zinc coating or a cross-linked organic coating containing a corrosion inhibitor. For these coatings:*
  - 2.1. *Coating thickness must be at least 0.3 mil.*
  - 2.2. *Interior coated surface must have demonstrated the ability to resist 300 hours of exposure to salt fog with a maximum of 5 percent red rust when tested under ASTM B117.*

*Obtain authorization of the protective coating system before you use it. Any change to the protective coating system is a new system that requires authorization.*

#### **CONTRACT PLANS**

1. Replace "Completely Enclose" to "Provide" on Note 3 on sheet 8.

**Acknowledgement of receipt of this Addendum Number 3 as required in PlanetBids.**

Attachments: As Noted

**SANTA BARBARA COUNTY  
FLOOD CONTROL AND WATER CONSERVATION DISTRICT**



# **BID BOOK**

**FOR**

**Randall Road Debris Basin Project**

**UNDER:**

---

**Bid Book dated March 09, 2021**

**Standard Specifications dated 2018**

---

**COUNTY PROJECT NO. SC8371**

**BID OPENING LOCATIONS:  
PlanetBids**

<https://www.planetbids.com/portal/portal.cfm?CompanyID=43874>

**BID OPENING TIME AND DATE:  
2:00 PM on March 16, 2021**

**Electronic Advertising Contract**

**SCOTT D. McGOLPIN  
DIRECTOR OF PUBLIC WORKS**

# PROPOSAL

TO THE HONORABLE BOARD OF DIRECTORS  
OF THE COUNTY OF SANTA BARBARA, STATE OF CALIFORNIA  
COUNTY PROJECT NO. SC8371

NAME OF BIDDER \_\_\_\_\_

BUSINESS P.O. BOX \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

BUSINESS STREET ADDRESS \_\_\_\_\_  
(Include even if P.O. Box is used)

CITY, STATE, ZIP \_\_\_\_\_

TELEPHONE NO. \_\_\_\_\_ FAX NO. \_\_\_\_\_

CONTRACTOR LICENSE NO. \_\_\_\_\_ LICENSE CLASSIFICATION \_\_\_\_\_

PUBLIC WORKS CONTRACTOR REGISTRATION NO. \_\_\_\_\_

BUSINESS TYPE (Check one) Corporation: \_\_\_\_\_ Partnership: \_\_\_\_\_ Sole Proprietorship: \_\_\_\_\_

CONTACT PERSON NAME \_\_\_\_\_

CONTACT PERSON PHONE NO. \_\_\_\_\_

CONTACT PERSON EMAIL \_\_\_\_\_

EMPLOYER'S TAX IDENTIFICATION NUMBER \_\_\_\_\_

1. Bidder agrees, if this bid is accepted, to enter into a contract with District, to perform the work provided in the Contract under the terms of the Contract for the price or prices bid.

For a lump sum or unit price-based bid, Bidder additionally agrees to perform the work within the number of working days shown on the *Notice to Bidders*.

For a cost plus time-based bid on a contract without a plant establishment period, Bidder additionally agrees to perform the work within the number of working days.

For a cost plus time-based bid on a contract with a plant establishment period, Bidder additionally agrees to perform the non-plant establishment work within the number of working days for non-plant establishment work.

2. For a lump sum based bid, Bidder submits this bid with a total price in the total bid space provided on PlanetBids.

For a unit price or cost plus time-based bid, Bidder submits this bid with a unit price and the item total (the product of the unit price and the quantity) for each item and a total price (the sum of the item totals) in the spaces provided on PlanetBids.

For a cost plus time-based bid, Bidder submits this bid with working days bid for non-plant establishment work, total bid for time, and total bid for bid comparison in the spaces provided on PlanetBids.

Bidder agrees:

- 2.1. Unit prices and item totals are interpreted by the number of digits and decimal placement. Do not round item totals or the total bid.
- 2.2. Bid comparisons are prescribed in Section 2-1.09 of the Standard Specifications as amended by the Flood Control District's Provisions.
- 2.3. The District's decision on the bid amount is final.

3. Bidder acknowledges all addenda (if applicable) as required on PlanetBids.

4. Bidder submits this bid with one of the following forms of bidder security equal to at least 10 percent of the bid:

Bidder Security Amount: \$ \_\_\_\_\_

Payment Form (Check one): Cash \_\_\_\_\_ Cashier's Check \_\_\_\_\_ Certified Check \_\_\_\_\_ Bidder's Bond \_\_\_\_\_

5. Bidder's signature is an affirmation of the included certifications. Bidder is cautioned that making a false certification may result in one or more of the following:

- 5.1. Criminal prosecution.
- 5.2. Rejection of Bid.
- 5.3. Rescission of the award.
- 5.4. Termination of the Contract.

\_\_\_\_\_  
BY (*Authorized signature*)

\_\_\_\_\_  
DATE SIGNED (*Do not type*)

\_\_\_\_\_  
PRINTED NAME AND TITLE OF PERSON SIGNING

# AGREEMENT TO ACCEPT ELECTRONIC SIGNATURE

Pursuant to California Civil Code Section 1633.5(b), the parties hereby agree, unless otherwise prohibited by law, that where project documents (including Bid submittals, Contract(s), and related Agreement(s)) require a party signature, an electronic signature, as that term is defined at California Civil Code Section 1633.2(h), shall have the full force and effect of an original ("wet") signature.

A responsible officer of each party has read and understands the contents of this Agreement and is empowered and duly authorized on behalf of that party to execute it.

**Santa Barbara County Flood  
Control  
& Water Conservation District**

## **Bidder or Contractor**

Firm  
Name:

\_\_\_\_\_

By:

\_\_\_\_\_  
Name:

Title:

Date:

By:

\_\_\_\_\_  
Name:

Title:

Date:

\_\_\_\_\_

**EXPERIENCE STATEMENT**

The following outline is a record of your experience in construction of a type similar in magnitude and character to that contemplated under this contract and performed within the last five (5) years. Attach additional sheets if necessary.

| PROJECT TITLE,<br>DESCRIPTION<br><u>(TYPE WORK)</u> | CUSTOMER/<br><u>AGENCY</u> | CONTACT PERSON<br><u>PHONE NUMBER</u> | YEAR<br><u>COMPLETED</u> | DOLLAR<br><u>VALUE</u> |
|---|----------------------------|---------------------------------------|--------------------------|------------------------|
|---|----------------------------|---------------------------------------|--------------------------|------------------------|

# SUBCONTRACTOR LIST

## COUNTY PROJECT NO. SC8371

The Bidder must identify each subcontractor performing work in an amount in excess of 1/2 of 1 percent of the total bid or \$10,000, whichever is greater (Public Contract Code 4100 § et seq.). Submit the name and location of the place of business, telephone and fax number, and license number and classification of each subcontractor. List the portion of work that will be done by each subcontractor for each subcontract by individual item number, percent of item, dollar amount of item, and brief description. You may submit the percentage of each bid item subcontracted with your bid by email to [mgriff@cosbpw.net](mailto:mgriff@cosbpw.net) within 24 hours after bid opening.

NAME OF BIDDER: \_\_\_\_\_ SUBCONTRACTOR LIST, PAGE NO. \_\_\_\_ OF \_\_\_\_

|   |   |                 |               |
|---|---|-----------------|---------------|
| Name  | Item No.                                | Percent of Item | Dollar Amount |
| Address                                     | Description of Above Item               |                 |               |
| City, State, Zip                            |   |                 |               |
| Phone Number                                | Item No.                                | Percent of Item | Dollar Amount |
| Fax Number                                  | Description of Above Item               |                 |               |
| E-Mail Address                              |   |                 |               |
| Public Works Contractor Registration Number | Item No.                                | Percent of Item | Dollar Amount |
| License Number and Classification           | Description of Above Item               |                 |               |
|   |   |                 |               |
| Name  | Item No.                                | Percent of Item | Dollar Amount |
| Address                                     | Description of Above Item               |                 |               |
| City, State, Zip                            |   |                 |               |
| Phone Number                                | Item No.                                | Percent of Item | Dollar Amount |
| Fax Number                                  | Description of Above Item               |                 |               |
| E-Mail Address                              |   |                 |               |
| Public Works Contractor Registration Number | Item No.                                | Percent of Item | Dollar Amount |
| License Number and Classification           | Description of Above Item               |                 |               |
|   |   |                 |               |
| Total Dollar Amount of <b>This Page</b>     | Total Dollar Amount of <b>All Pages</b> |                 |               |

BY: \_\_\_\_\_  
Bidder's Signature

NOTE: This form may be reproduced and attached behind this page to list more Subcontractors.

# SUBCONTRACTOR LIST

## COUNTY PROJECT NO. SC8371

The Bidder must identify each subcontractor performing work in an amount in excess of 1/2 of 1 percent of the total bid or \$10,000, whichever is greater (Public Contract Code 4100 § et seq.). Submit the name and location of the place of business, telephone and fax number, and license number and classification of each subcontractor. List the portion of work that will be done by each subcontractor for each subcontract by individual item number, percent of item, dollar amount of item, and brief description. You may submit the percentage of each bid item subcontracted with your bid by email to [mgriff@cosbpw.net](mailto:mgriff@cosbpw.net) within 24 hours after bid opening.

NAME OF BIDDER: \_\_\_\_\_ SUBCONTRACTOR LIST, PAGE NO. \_\_\_\_ OF \_\_\_\_

|   |   |                 |               |
|---|---|-----------------|---------------|
| Name  | Item No.                                | Percent of Item | Dollar Amount |
| Address                                     | Description of Above Item               |                 |               |
| City, State, Zip                            |   |                 |               |
| Phone Number                                | Item No.                                | Percent of Item | Dollar Amount |
| Fax Number                                  | Description of Above Item               |                 |               |
| E-Mail Address                              |   |                 |               |
| Public Works Contractor Registration Number | Item No.                                | Percent of Item | Dollar Amount |
| License Number and Classification           | Description of Above Item               |                 |               |
| Name  | Item No.                                | Percent of Item | Dollar Amount |
| Address                                     | Description of Above Item               |                 |               |
| City, State, Zip                            |   |                 |               |
| Phone Number                                | Item No.                                | Percent of Item | Dollar Amount |
| Fax Number                                  | Description of Above Item               |                 |               |
| E-Mail Address                              |   |                 |               |
| Public Works Contractor Registration Number | Item No.                                | Percent of Item | Dollar Amount |
| License Number and Classification           | Description of Above Item               |                 |               |
| Total Dollar Amount of <b>This Page</b>     | Total Dollar Amount of <b>All Pages</b> |                 |               |

BY: \_\_\_\_\_  
Bidder's Signature

NOTE: This form may be reproduced and attached behind this page to list more Subcontractors.

# BIDDER'S BOND

DO NOT DETACH

KNOW ALL MEN BY THESE PRESENTS:

That we, \_\_\_\_\_  
\_\_\_\_\_ as Principal, and  
\_\_\_\_\_ as Surety

(hereinafter referred to as Surety), are held firmly bound unto the Santa Barbara Flood Control and Water Conservation District of State of California (hereinafter called Owner) in the penal sum of 10 percent of the total aggregate amount of the bid of the Principal above named, submitted by said Principal to Owner for the work described below, for the payment of which sum in lawful money of the United States, well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents. Surety shall be and hereby warrants that it is listed in the Insurance Organizations Authorized By The Insurance Commissioner To Transact Business of Insurance In The State Of California During 1995 (including changes effective January 1, 1996), published by the Department of Insurance, State of California or successor publications. In no case shall the liability of the Surety hereunder exceed the sum of

\_\_\_\_\_ DOLLARS, (\$ \_\_\_\_\_).

The condition of this obligation is such that a bid to Owner for certain construction specifically described as follows:

**RANDALL ROAD DEBRIS BASIN PROJECT**  
**COUNTY PROJECT NO. SC8371**

for which bids are to be opened on **March 16, 2021**, has been submitted by Principal to Owner.

NOW, THEREFORE, if the aforesaid Principal shall not withdraw said bid within the period therein specified after the opening of the same, or, if no period be specified within sixty (60) days after said opening and shall within the period specified therefor, or, if no period be specified, within eight (8) days after the prescribed forms are presented to him or her for signature, enter into a written Contract with Owner, in the prescribed form, in accordance with the bid as accepted, and file the two Bonds with Owner, one to guarantee faithful performance and the other to guarantee payment for labor and materials, as required by law, then this obligation shall be null and void, otherwise, it shall remain in full force, virtue and affect.

Said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of said Contract or to the work to be performed thereunder or the Specifications accompanying the same shall in any manner affect its obligations on this bond, and it does hereby waive notice of any change, extension, alteration, or addition.

It is hereby agreed that any progress payment made after the scheduled completion date will not constitute a waiver of any liquidated damages heretofore agreed upon.

In the event suit is brought upon said Bond by Owner and judgment is recovered, the Surety shall pay all costs incurred by Owner in such suit, including a reasonable attorney's fee to be fixed by the Court.

Death, Bankruptcy, Receivership, Going Out of Business for any reason, or incompetency of the Principal shall not relieve the Surety of its obligations hereunder.

# BIDDER'S BOND

DO NOT DETACH

\_\_\_\_\_  
Name of Principal

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Principal

\_\_\_\_\_  
(Seal)

\_\_\_\_\_  
Name of Surety

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip

\_\_\_\_\_  
(Seal)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Surety's Attorney-in-fact

Surety's Agent for Service of Process (located within the State of California)

\_\_\_\_\_  
Name of Agent

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Fax Number

NOTE: Signatures of those executing for Surety MUST be properly acknowledged.  
This form may be reproduced for transmittal to the Surety for execution and attached to the front of this,  
the original Bid Bond Form.

# PRICE INDEX FLUCTUATIONS OPT OUT FORM

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF ENGINEERING SERVICES – OFFICE ENGINEER  
DES-OE0102.12A (REV. 8/2012)

You may opt out of the payment adjustments for price index fluctuations specified in section 9-1.07 of the Specifications. To opt out, complete this form and submit it with your bid.

Bidder's Name \_\_\_\_\_ County Project No. SC8371

I opt out of the payment adjustments for price index fluctuations.

Date \_\_\_\_\_ Signature \_\_\_\_\_

# CERTIFICATIONS: PUBLIC CONTRACT CODE

## UNDOCUMENTED ALIENS EMPLOYMENT

Under Public Contract Code § 6101, the Bidder certifies compliance with state and federal law respecting the employment of undocumented aliens.

## NONCOLLUSION

### NONCOLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID

Under PCC 7106 and 23 USC 112, the bidder declares as follows:

State of California County of \_\_\_\_\_

\_\_\_\_\_, being first duly sworn,

deposes and says that he or she is \_\_\_\_\_ of

\_\_\_\_\_ the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

## VIOLATION OF LAW OR A SAFETY REGULATION

Under Public Contract Code § 10162, the Bidder must complete, under penalty of perjury, the following questionnaire:

Has the Bidder, any officer of the Bidder, or any employee of the Bidder who has a proprietary interest in the Bidder, ever been disqualified, removed, or otherwise prevented from bidding on, or completing a federal, state, or local government project because of a violation of law or a safety regulation?

Yes  No

If the answer is yes, explain the circumstances in the following space.

# CERTIFICATIONS: PUBLIC CONTRACT CODE

## CHILD SUPPORT COMPLIANCE ACT

Under Public Contract Code § 7110, the contractor acknowledges that:

1. The contractor recognizes the importance of child and family support obligations and shall fully comply with all applicable state and federal laws relating to child and family support enforcement, including, but not limited to, disclosure of information and compliance with earnings assignment orders, as provided in Chapter 8 (commencing with section 5200) of Part 5 of Division 9 of the Family Code; and
2. The contractor to the best of its knowledge is fully complying with the earnings assignment orders of all employees and is providing the names of all new employees to the New Hire Registry maintained by the Employment Development Department.

## ANTITRUST LAW

Under Pub Con Code § 10285.1, the Bidder declares under penalty of perjury under the laws of the State of California that the Bidder  has  has not been convicted within the preceding three years of any offenses referred to in that section, including any charge of fraud, bribery, collusion, conspiracy, or any other act in violation of any state or federal antitrust law in connection with the bidding upon, award of, or performance of, any public works contract, as defined in Public Contract Code § 1101, with any public entity, as defined in Public Contract Code § 1100, including the Regents of the University of California or the Trustees of the California State University. The term 'Bidder' includes any partner, member, officer, director, responsible managing officer, or responsible managing employee thereof, as referred to in Section 10285.1.

If the Bidder has been convicted of an offense within the past 3 years, provide the conviction details including the date and ultimate resolution of each conviction in the space below.

## ANTIBIDDER RESPONSIBILITY QUESTIONNAIRE

Failure to truthfully answer the following questions will result in a finding that the bid is nonresponsive. The Bidder must complete, under penalty of perjury, the following questionnaire:

1. Within the past 10 years, has the Bidder been found to be a nonresponsible bidder by any public entity, including federal, State, local, or regional entities?  
 Yes  No
2. Within the past 10 years, have any of the Bidder's officers or employees with a proprietary interest in the Bidder been determined to be a nonresponsible bidder by a public entity, including federal, State, local or regional entities?  
 Yes  No
3. Is there any officer or employee of the Bidder who now has or has had any proprietary interest in another company that bid or bids on public works projects whose company has been determined to be a nonresponsible bidder by any public entity, including federal, State, local, or regional entities?  
 Yes  No
4. If the answer to any of the 3 preceding questions is yes, disclose all pertinent details of the determination of nonresponsibility, including:
  - 4.1. Date of each nonresponsibility determination
  - 4.2. Name of each public agency issuing the nonresponsibility determination and a contact person at that agency who would have information about the determination
  - 4.3. Contract number for each nonresponsibility determination

## COPY OF BID ITEM LIST

| BASE BID ITEMS OF WORK |                |           |  |      |          |            |            |
|------------------------|----------------|-----------|--|------|----------|------------|------------|
| Item No.               | F <sup>1</sup> | Item Code | Description  | Unit | Quantity | Unit Price | Item Total |
| 1                      |                | 999990    | MOBILIZATION   | LS   | 1        |            |            |
| 2                      |                | 051260A   | CONSTRUCTION SURVEY                                  | LS   | 1        |            |            |
| 3                      |                | 066076A   | TEMPORARY TRAFFIC CONTROL                            | LS   | 1        |            |            |
| 4                      |                | 130100    | JOB SITE MANAGEMENT                                  | LS   | 1        |            |            |
| 5                      |                | 130300    | STORMWATER POLLUTION PREVENTION PLAN                 | LS   | 1        |            |            |
| 6                      |                | 130310    | RAIN EVENT ACTION PLAN                               | EA   | 10       | \$500      |            |
| 7                      |                | 130330    | STORMWATER ANNUAL REPORT                             | EA   | 2        | \$2,000    |            |
| 8                      |                | 130320    | STORMWATER SAMPLING & ANALYSIS DAY                   | EA   | 5        | \$1,200    |            |
| 9                      |                | 131201A   | TEMPORARY CREEK DIVERSION SYSTEMS                    | LS   | 1        |            |            |
| 10                     |                | 150809    | REMOVE EXISTING RCP STORM DRAIN PIPE & HEADWALL      | LF   | 71       |            |            |
| 11                     |                | 153213    | REMOVE AND DISPOSE OF STRUCTURES AT 640 RANDALL ROAD | LS   | 1        |            |            |
| 12                     |                | 153249A   | STRUCTURE REMOVAL (MISC)                             | LS   | 1        |            |            |
| 13                     |                | 170103    | CLEARING AND GRUBBING                                | LS   | 1        |            |            |
| 14                     | F              | 190101    | ROAD EXCAVATION                                      | CY   | 1,850    |            |            |
| 15                     | F              | 192001    | EXCAVATION   | CY   | 62,500   |            |            |
| 16                     | F              | 194001    | DITCH EXCAVATION                                     | CY   | 242      |            |            |
| 17                     |                | 206300A   | TEMPORARY IRRIGATION SYSTEM                          | LS   | 1        |            |            |
| 18                     | F              | 204009A   | INSTALL PLANTS                                       | SQFT | 48,706   |            |            |
| 19                     |                | 035633A   | 4-INCH CRUSHED GABION ROCK                           | CY   | 260      |            |            |
| 20                     |                | 260203A   | CRUSHED AGGREGATE                                    | CY   | 1,850    |            |            |
| 21                     | F              | 723095A   | ROCK SLOPE PROTECTION (25 LB, CLASS I, METHOD B)     | CY   | 50       |            |            |
| 22                     |                | 723070A   | ROCK SLOPE PROTECTION (150 LB, CLASS III, METHOD B)  | CY   | 366      |            |            |
| 23                     |                | 723110A   | ROCK SLOPE PROTECTION (1/2-TON, CLASS VII, METHOD B) | CY   | 1,725    |            |            |
| 24                     |                | 398001    | REMOVE ASPHALT CONCRETE PAVEMENT                     | SQFT | 17,535   |            |            |
| 25                     |                | 490400A   | 24" DRILLED HOLE                                     | LF   | 224      |            |            |
| 26                     | F              | 490535A   | FURNISH 12-INCH STEEL PIPE PILING                    | LB   | 17,735   |            |            |
| 27                     | F              | 550203A   | FURNISH STRUCTURAL STEEL                             | LB   | 8,160    |            |            |
| 28                     | F              | 520101A   | REINFORCEMENT STEEL                                  | LB   | 16,945   |            |            |
| 29                     | F              | 510526A   | MINOR CONCRETE (BACKFILL)                            | CY   | 175      |            |            |

<sup>1</sup> "F" denotes Final Pay Item

|  |   |         |  |      |        |           |  |
|--|---|---------|--|------|--------|-----------|--|
| 30   |   | 150230A | DESTROY WELL   | EA   | 4      |           |  |
| 31   | F | 066801A | ACCESS GATE & HARDWARE                                 | LS   | 1      |           |  |
| 32   |   | 036843A | POST & RAIL FENCE                                      | LF   | 453    |           |  |
| 33   |   |         | SET BENCH AND BOULDERS                                 | LS   | 1      |           |  |
| <b>CONTRACTOR'S BASE BID ITEMS SUBTOTAL</b>  |   |         |  |      |        |           |  |
| <b>ADD ALTERNATE ITEMS OF WORK</b>   |   |         |  |      |        |           |  |
| 34   |   | 130100  | JOB SITE MANAGEMENT                                    | LS   | 1      |           |  |
| 35   |   | 131201A | TEMPORARY CREEK DIVERSION SYSTEMS                      | LS   | 1      |           |  |
| 36   | F | 153248A | STRUCTURE REMOVAL (MISC)                               | LS   | 1      |           |  |
| 37   |   | 170103  | CLEARING AND GRUBBING                                  | LS   | 1      |           |  |
| 38   | F | 192001  | EXCAVATION   | CY   | 29,600 |           |  |
| 39   | F | 194001  | DITCH EXCAVATION                                       | CY   | 39     |           |  |
| 40   |   | 206300A | TEMPORARY IRRIGATION SYSTEM                            | LS   | 1      |           |  |
| 41   | F | 204009A | INSTALL PLANTS   | SQFT | 34,955 |           |  |
| 42   |   | 035633A | 4-INCH CRUSHED GABION ROCK                             | CY   | 340    |           |  |
| 43   | F | 723095A | ROCK SLOPE PROTECTION (25, CLASS I, METHOD B)          | CY   | 25     |           |  |
| 44   |   | 723070A | ROCK SLOPE PROTECTION (150 LB, CLASS III, METHOD B)    | CY   | 226    |           |  |
| 45   |   | 723110A | ROCK SLOPE PROTECTION (1/2-TON, CLASS VII, METHOD B)   | CY   | 1,495  |           |  |
| 46   |   | 490400A | 24" DRILLED HOLE                                       | LF   | 128    |           |  |
| 47   | F | 490535A | FURNISH 12-INCH STEEL PIPE PILING                      | LB   | 21,183 |           |  |
| 48   | F | 550203A | FURNISH STRUCTURAL STEEL                               | LB   | 7,072  |           |  |
| 49   | F | 520101A | REINFORCEMENT STEEL                                    | LB   | 12,609 |           |  |
| 50   | F | 510526A | MINOR CONCRETE (BACKFILL)                              | CY   | 145    |           |  |
| 51   |   | 150230A | DESTROY WELL   | EA   | 2      |           |  |
| 52   | F | 066801A | ACCESS GATE & HARDWARE                                 | LS   | 1      |           |  |
| <b>CONTRACTOR'S ADD ALTERNATE ITEMS SUBTOTAL</b>   |   |         |  |      |        |           |  |
| 53   |   |         | Supplemental work (Additional Water Pollution Control) | LS   | 1      | \$5,000   |  |
| 54   |   |         | Supplemental work (Additional Traffic Control)         | LS   | 1      | \$2,500   |  |
| 55   |   |         | Supplemental work (Additional Rock Excavation)         | LS   | 1      | \$100,000 |  |
| 56   |   |         | Supplemental work (Imported Borrow)                    | LS   | 1      | \$10,000  |  |
| <b>SUPPLEMENTAL WORK BID ITEMS SUBTOTAL</b>  |   |         |  |      |        |           |  |
| <b>TOTAL BASE BID (Base Bid + Supplemental Work Items) *</b>                               |   |         |  |      |        |           |  |
| <b>TOTAL BASE BID + ADD ALTERNATE (Base Bid + Add Alternate + Supplemental Work Items)</b> |   |         |  |      |        |           |  |

\*Basis for determination of lowest responsible bidder per Section 2-1.09 of the Flood Control District Provisions.