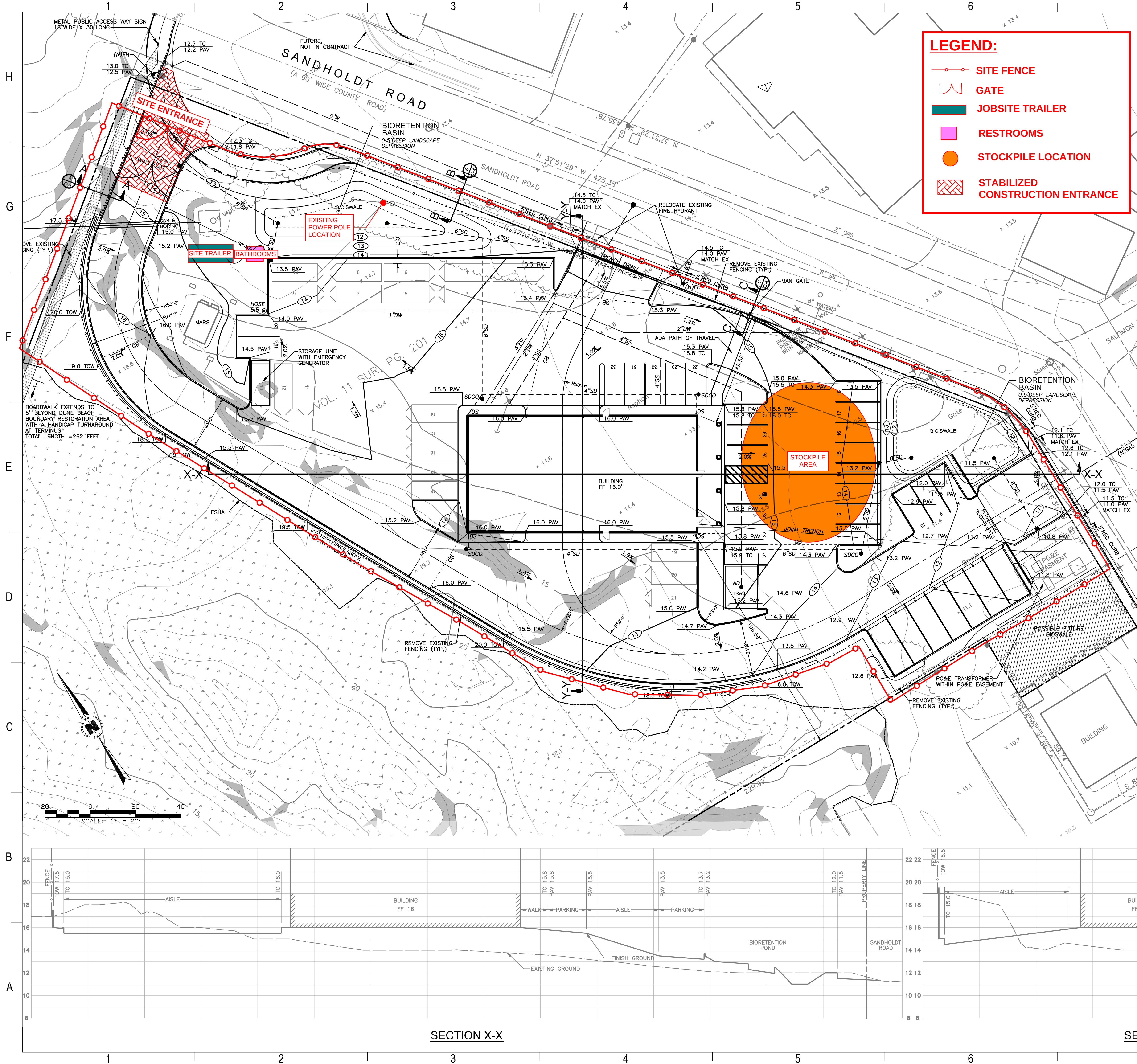




**LEGEND:**

- SITE FENCE
- GATE
- JOBSITE TRAILER
- RESTROOMS
- STOCKPILE LOCATION
- STABILIZED CONSTRUCTION ENTRANCE

**LEGEND**

|         |                            |     |                                 |
|---------|----------------------------|-----|---------------------------------|
| AB      | AGGREGATE BASE             | --- | GUY WIRE                        |
| AC      | ASPHALT CONCRETE           | --- | ELEC                            |
| BF      | BACKFLOW PREVENTOR         | --- | FENCE                           |
| BR      | BOTTOM OF RAMP             | --- | FACE OF CURB                    |
| CO      | CLEANOUT                   | --- | C                               |
| CONC    | CONCRETE                   | --- | GB                              |
| Δ       | CONTROL POINT              | --- | FD                              |
| EL      | ELEVATION                  | --- | SS                              |
| EP      | EDGE OF PAVEMENT           | --- | TEL                             |
| FD      | FOUNDATION DRAIN           | --- | W                               |
| FDC     | FIRE DEPARTMENT CONNECTION | --- | EP                              |
| FL      | FLOW LINE                  | --- | FLOW LINE / SWALE               |
| FS      | FINISH FLOOR               | --- | UNIMPROVED ROAD                 |
| FF      | FEET                       | --- | PROPERTY LINE                   |
| FH      | FIRE HYDRANT               | --- | RETAINING WALL                  |
| FS      | FINISHED SURFACE           | --- | AERIAL CONTOUR (1'-FT INTERVAL) |
| GB      | GRADE BREAK                | --- | PROPOSED CONTOUR                |
| INV     | INVERT                     | --- |                                 |
| LP      | LIGHT POLE                 | --- |                                 |
| MANHOLE | MANHOLE                    | --- |                                 |
| LP      | MANHOLE                    | --- |                                 |
| MP      | POINT OF CURVATURE         | --- |                                 |
| PC      | POINT OF COMPOUNDED CURVE  | --- |                                 |
| PG&E    | PACIFIC GAS & ELECTRIC     | --- |                                 |
| POC     | POINT OF CONNECTION        | --- |                                 |
| P       | POINT                      | --- |                                 |
| PP      | POWER POLE                 | --- |                                 |
| PRC     | POINT OF REVERSE CURVATURE | --- |                                 |
| PT      | POINT OF TANGENCY          | --- |                                 |
| R       | RADIUS                     | --- |                                 |
| RD      | ROOF DRAIN                 | --- |                                 |
| SS      | SANITARY SEWER             | --- |                                 |
| TR      | TOP OF RAMP                | --- |                                 |
| TEL     | TELEPHONE                  | --- |                                 |
| TW      | TOP OF DEPRESSION CURB     | --- |                                 |
| UON     | UNLESS OTHERWISE NOTED     | --- |                                 |
| W       | WATER                      | --- |                                 |
| WM      | WATER METER                | --- |                                 |
| WV      | WATER VALVE                | --- |                                 |

**EARTHWORK QUANTITIES**

CUT: 1,477 CUBIC YARDS  
FILL: 1,675 CUBIC YARDS  
NET: 198 CUBIC YARDS (IMPORT)

**ESHA AREAS**

ESHA AREA = 1.34 ACRES  
NON-ESHA AREA = 1.70 ACRES  
TOTAL AREA = 3.04 ACRES

**SHEET NOTES**

- ALL EARTHWORK SHALL BE PERFORMED IN ACCORDANCE TO THE PROJECT GEOTECHNICAL REPORT, PREPARED BY RUTHERFORD+CHEKENE AUGUST 19, 2020.
- ALL GUTTER DOWNSPOUTS SHALL DISCHARGE ONTO PAVED AREAS.
- BUILDING FINISH FLOOR PER ARCHITECT'S PLANS.
- SEE PLUMBING PLANS FOR WATER AND SEWER CONNECTION.
- PLACE 4"-6" CONCRETE EMBEDDED RIVER ROCK AT PARKING SPLASH APRON. FLOWLINE AT TOP OF ROCK TO MATCH FLOWLINE OF CURB.
- PLACE 4" PERFORATED PIPE BEHIND OR ALONG THE TOP OF FOOTING OF EACH RETAINING WALL. HOLES PLACED DOWN. THE PIPE SHALL BE COVERED WITH A 12" WIDE ENVELOPE OF 3/4" DRAIN ROCK OR CLASS II PERMEABLE MATERIAL WHICH SHALL EXTEND TO WITHIN 12" OF THE GROUND SURFACE BEHIND THE WALLS. DAYLIGHT PIPE.
- ALL SLOPES ARE SHOWN AT A MAXIMUM OF 2:1 (H:V).
- SUBGRADE SOIL BELOW ANY NEW PAVEMENT SHALL BE COMPACTED TO 90 PERCENT RELATIVE COMPACTION, AND AGGREGATE BASE BENEATH NEW PAVEMENT SHALL BE COMPACTED TO 95 PERCENT RELATIVE COMPACTION. SEE SOILS REPORT FOR OVEREXCAVATION DEPTHS.
- ALL NEW ON-SITE UTILITY TRENCHES SHALL BE BACKFILLED WITH A CLEAN, IMPORTED SAND HAVING A SAND EQUIVALENT OF 30 OR HIGHER EXCEPT THAT THE TOP 8-INCHES OF TRENCH SHALL BE CAPPED WITH NATIVE SOIL. A 2-FOOT PLUG OF COMPACTED, CLAYEY SOIL BACKFILL OR LEAN CONCRETE SHALL BE REQUIRED AROUND THE PIPE OR CONDUIT AT PLACES WHERE UTILITY TRENCHES INTERSECT THE BUILDING PERIMETER. ALL TRENCH BACKFILL SHALL BE COMPACTED TO 95 PERCENT RELATIVE COMPACTION.

**POST-CONSTRUCTION STORMWATER CALC.**

| WATERSHED NAME | DRAINAGE MANAGEMENT AREA |       | WATER QUALITY TREATMENT AREA |       | RUNOFF RETENTION VOLUME |       | LID CTRL PRACTICE |
|----------------|--------------------------|-------|------------------------------|-------|-------------------------|-------|-------------------|
|                | IMP.                     | PERV. | REQ.                         | PROV. | REQ.                    | PROV. |                   |
| DMA1           | 22875                    | 9276  | 952                          | 1007  | 1316                    | 1507  | BIORETEN          |
| DMA2           | 27035                    | 4042  | 1098                         | 1470  | 2092                    | 2121  | BIORETEN          |

WMZ = 4, 95TH PERCENTILE, 24-HR RAINFALL DEPTH = 1.3 INCHES  
DESIGN ASSUMES PONDING DEPTH OF 6 INCHES, SOIL MEDIA DEPTH OF 24 INCHES AND DRAIN ROCK DEPTH OF 12 INCHES.  
REMAINING PARCEL AREAS ARE SELF TREATING.

SECTION X-X

SECTION Y-Y

SCALE: HORIZ. 1"=20'  
VERT. 1"=4'

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Signed & Sealed By: Approver Name

REGISTERED PROFESSIONAL ENGINEER  
H. PATRICK WARD  
No. 29811  
CIVIL  
STATE OF CALIFORNIA

Stamps & Approvals

Project Key Plan

| Rev | Date      | Description                      |
|-----|-----------|----------------------------------|
| 1   | 1/19/2021 | ISSUED FOR PERMIT-EARLY WORK SET |

**MBARI**

7500 Sandholdt Road  
Moss Landing, CA 95039

**EXPEDITION STAGING BUILDING**

Project Phase  
ISSUED FOR PERMIT-EARLY WORK SET

Date: 1/19/2021  
Project Number: 20782-00  
Sheet Title: **SITE PLAN**

Sheet Number: **SP-1**  
Rev. No.