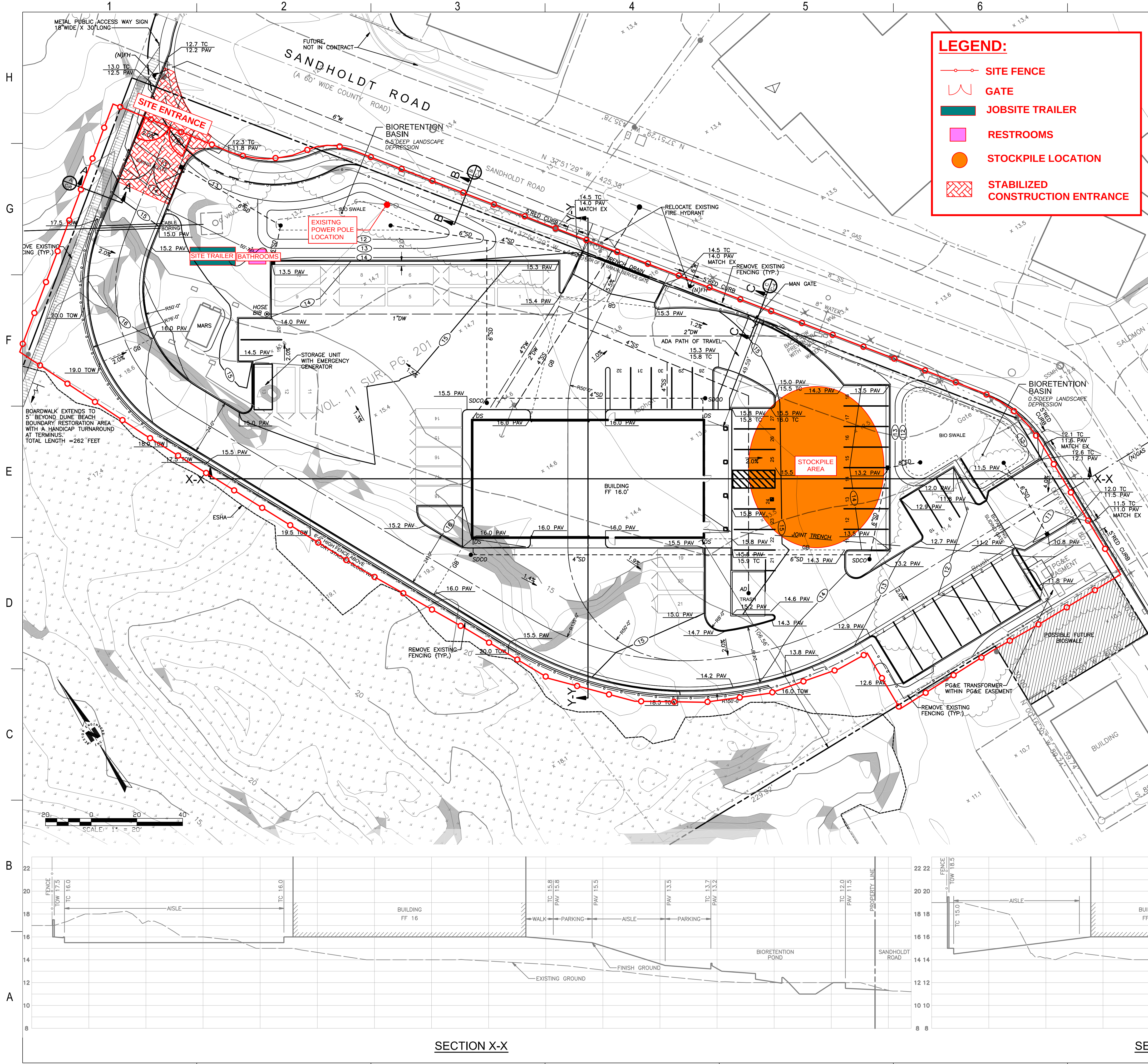




LEGEND:

- 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	---	+	FIBER OPTIC
LP	LIGHT POLE	---	2%	SLOPE DIRECTION
LP	MANHOLE	---	60.30	(N) SPOT ELEVATION
MH	MANHOLE	---	x 45.0	SPOT ELEVATION
(N)	NEW	---	+	+25% SLOPE
PC	POINT OF CURVATURE	---	---	ESHA - ENVIRONMENTALLY SENSITIVE HABITAT AREA
PCC	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 WALL	---		
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)

10% FILL FACTOR

EARTHWORK QUANTITIES ARE TO FINISHED GROUND (I.E. NOT SUBGRADE).

OVER EXCAVATION HAS NOT BEEN INCLUDED IN EARTHWORK CALCULATION. STRIPPINGS HAVE NOT BEEN REMOVED FROM EARTHWORK CALCULATION.

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

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

Project Title

MBARI

7500 Sandholdt Road
Moss Landing, CA 95039

EXPEDITION STAGING BUILDING

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

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