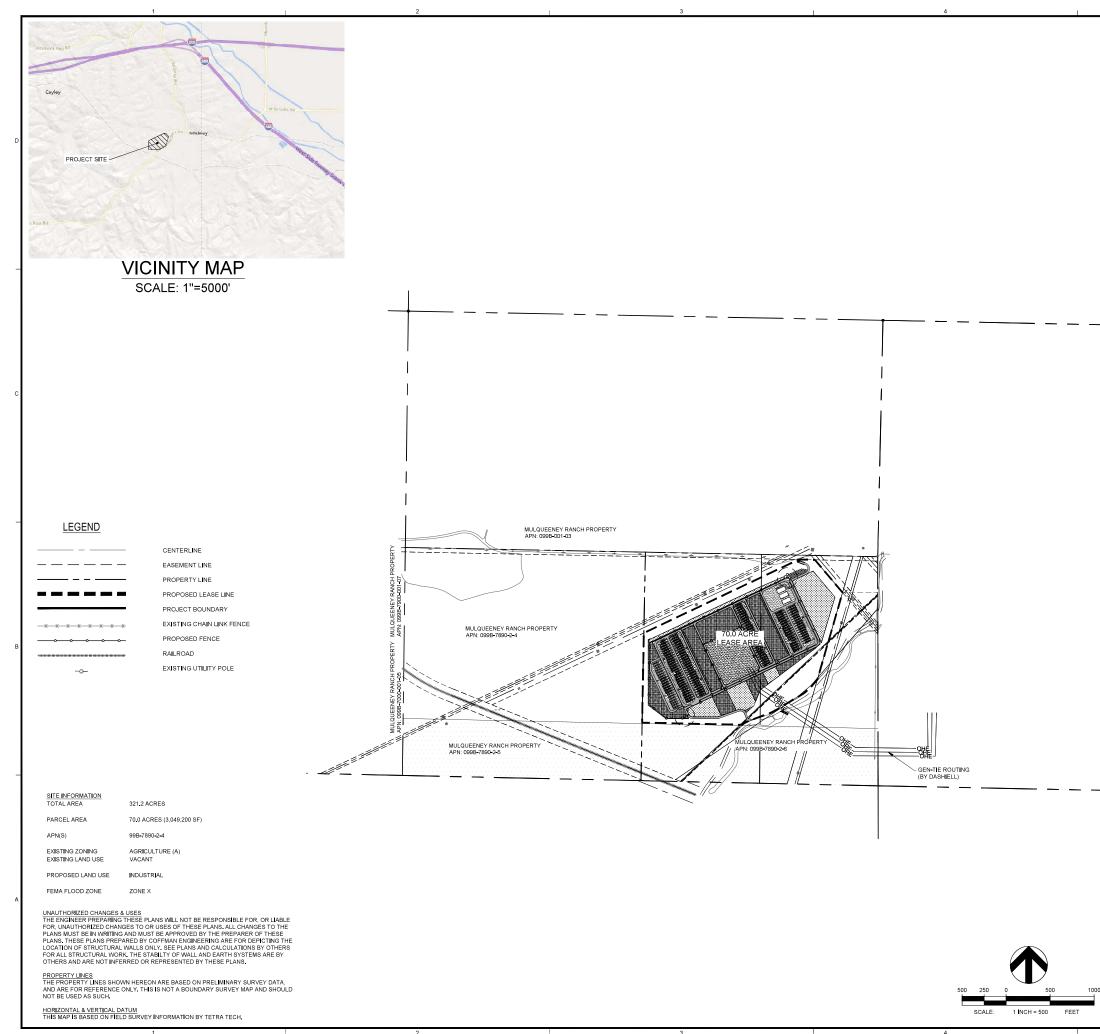
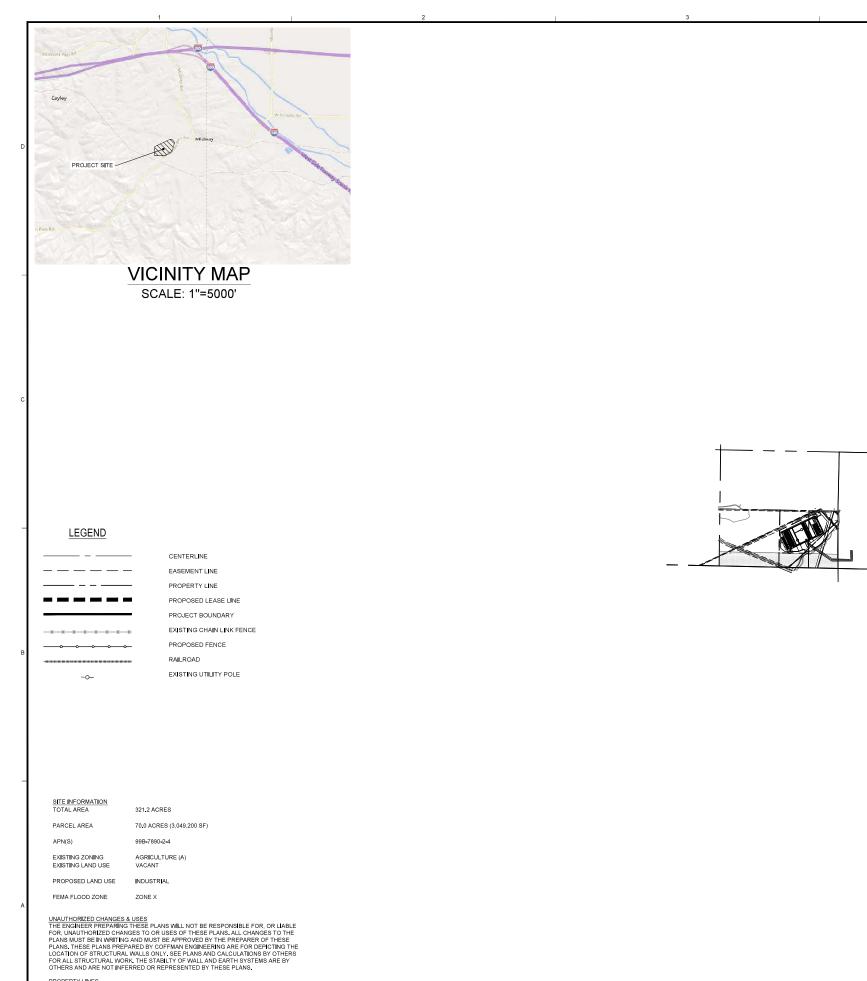
DOCKETED	
Docket Number:	24-OPT-04
Project Title:	Potentia-Viridi Battery Energy Storage System
TN #:	261423
Document Title:	DR Response 2 - Attachment 16, Updated Civil Plans
Description:	This document provides the updated Civil Package for the Project, including the Site Plan, Preliminary Grading Plan, and Preliminary Stormwater Plan
Filer:	Ronelle Candia
Organization:	Dudek
Submitter Role:	Applicant Consultant
Submission Date:	1/29/2025 8:27:11 AM
Docketed Date:	1/29/2025

Attachment 16 Civil Plans

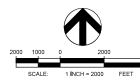


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	COFFFMAN 1939 Harrison Street, Suite 320 Oakland, CA 94612 ph 510.251.9578 www.coffman.com
	POTENTIA-VIRIDI BATTERY ENERGY STORAGE SYSTEM
	LEVY ALAMEDA, LLC NOT FOR CONSTRUCTION
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UTILITY STATEMENT Location of Existing Underground UTILITIES HAVE GEEN TAKEN FROM DRAWMAS AND FREL OCATES SUPPLIESS TUTILITY LOCATIONS SHOWN ON THIS DRAWMAS ARE APPROVIMATE ONLY. PRIOR TO BEGINNING ARY CONSTRUCTION. THE CONTACTOR SHALL VERIFY THE EXACT LOCATION OF EACH UTLITY.	© COFFMAN ENGINEERS INC. SHEET TITLE: LEASE AREA & SURROUNDING FEATURES SHEET NO: G-1.0



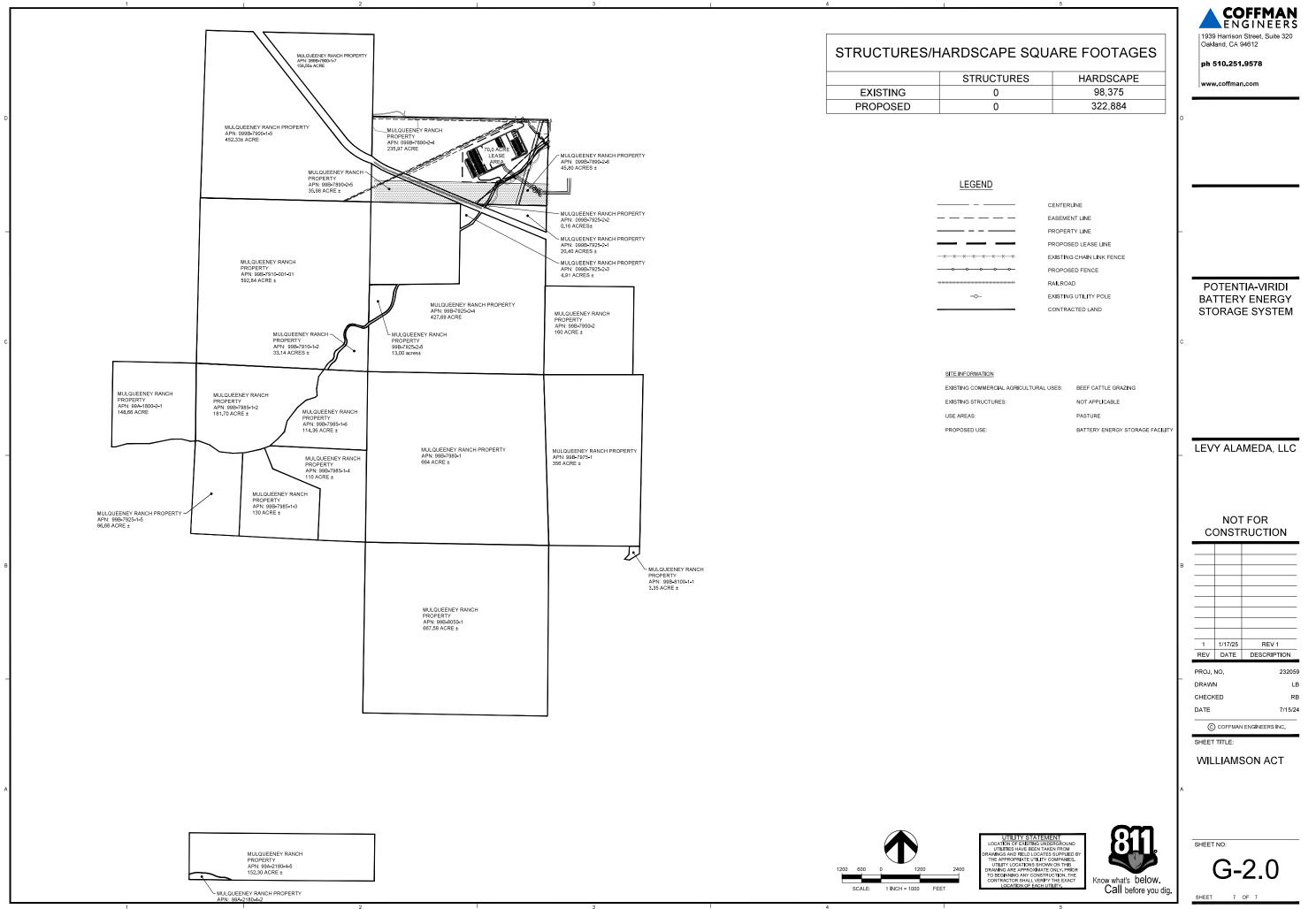
PROPERTY LINES THE PROPERTY LINES SHOWN HEREON ARE BASED ON PRELIMINARY SURVEY DATA. AND ARE FOR REFERENCE ONLY, THIS IS NOT A BOUNDARY SURVEY MAP AND SHOULD NOT BE USED AS SUCH.

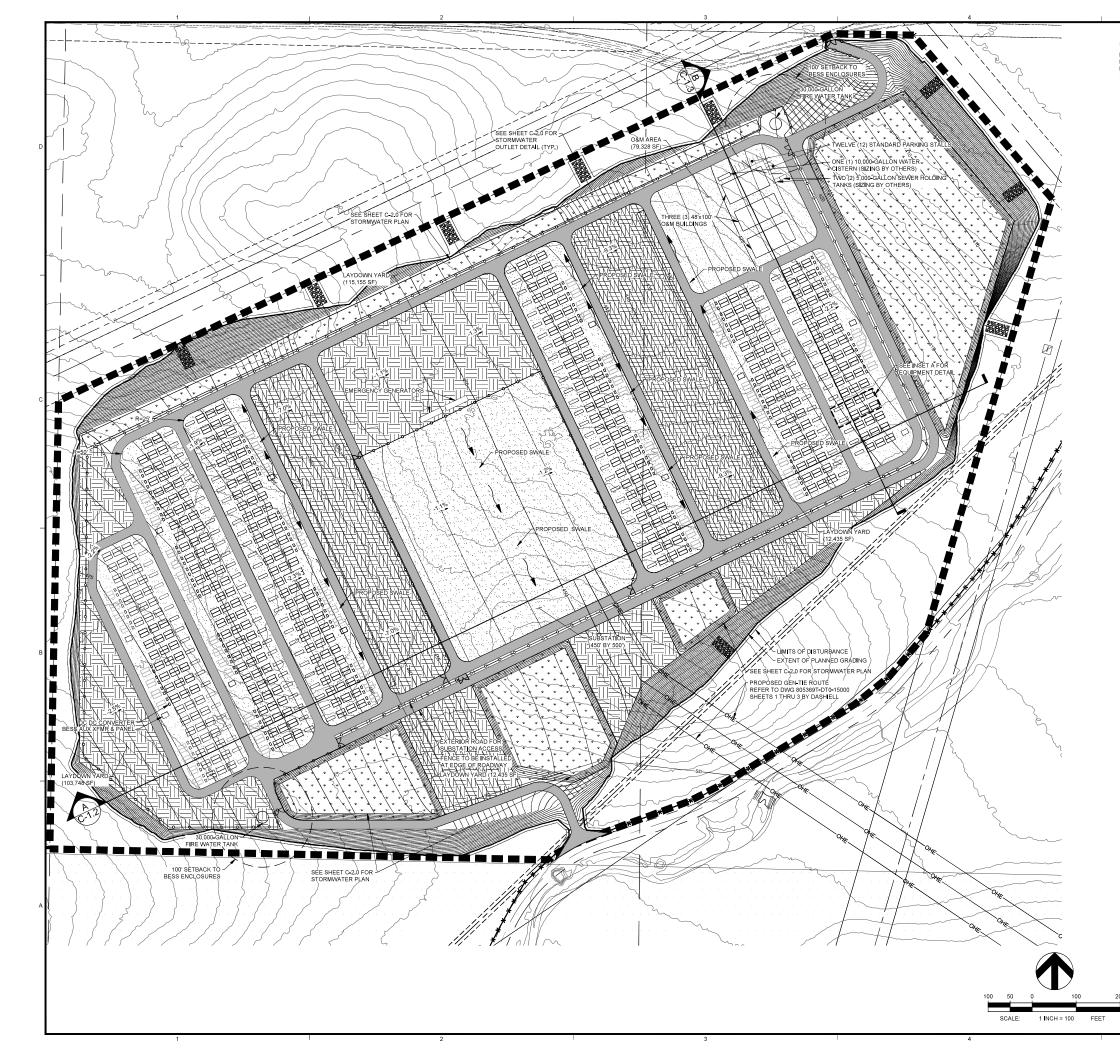
HORIZONTAL & VERTICAL DATUM THIS MAP IS BASED ON FIELD SURVEY INFORMATION BY TETRA TECH.



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UTILITY LOCATIONS SHOWN ON THIS DRAWING ARE APPROXIMATE ONLY. PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF EACH UTILITY.	Know what's below.	G	i-1.0A
LOCATION OF EACH UTILITY.	Call before you dig	SHEET	7 OF 7





ABBREVIATIONS

ESS PCS POI XMFR

ENERGY STORAGE SYSTEM POWER CONVERSION SYSTEM POINT OF INTERCONNECTION TRANSFORMER

LEGEND

GRAVEL ACCESS ROAD

GRAVEL

STORMWATER/

LAYDOWN AREA

OTHER

GRADING LIMIT

LIMITS OF DISTURBANCE

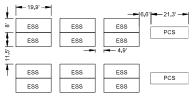
SYSTEM S	SUMMARY
ESS TYPE*	SOLBANK
ESS QUANTITY	1000
PCS UNITS	140
BATTERY CAPACITY	400 MW/3200 MWH
BESS YARD	13.3 ACRES
PROJECT SUBSTATION	5.4 ACRES
ACCESS ROADS	7.1 ACRES
LAYDOWN YARD	14.0 ACRES
O&M AREA (INCLUDING BUILDINGS)	1.8 ACRES
STORMWATER AREAS**	9.0 ACRES
STORMWATER OUTFALL	0.6 ACRES
OTHER***	7.6 ACRES
TOTAL DISTURBED AREA***	58.8 ACRES

- NOTE: * ESS TYPE LISTED WAS USED FOR PRELIMINARY DESIGN/DIMENSIONS. EXACT TECHNOLOGY TO BE SELECTED DURING FUTURE DESIGN PHASE * PRELIMINARY STORMWATER TREATMENT AND STORAGE SIZING BASED ON ALAMEDA COUNTY STANDARDS *** INCLUDES SLOPED AREAS TO GRADING DAYLIGHT AND 6' BUFFER TO LIMITS OF DISTURBANCE

- FIRE NOTES: 1) FIRE APPARATUS ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 20 FEET. 2) INTERNAL RADII = 25' MINIMUM FOR INTERIOR ROADS, INTERNAL RADII = 50' MINIMUM FOR OUTER LOOP.



INSET A - ELEVATION



INSET A - PLAN



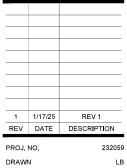


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POTENTIA-VIRIDI BATTERY ENERGY STORAGE SYSTEM

LEVY ALAMEDA, LLC

NOT FOR CONSTRUCTION



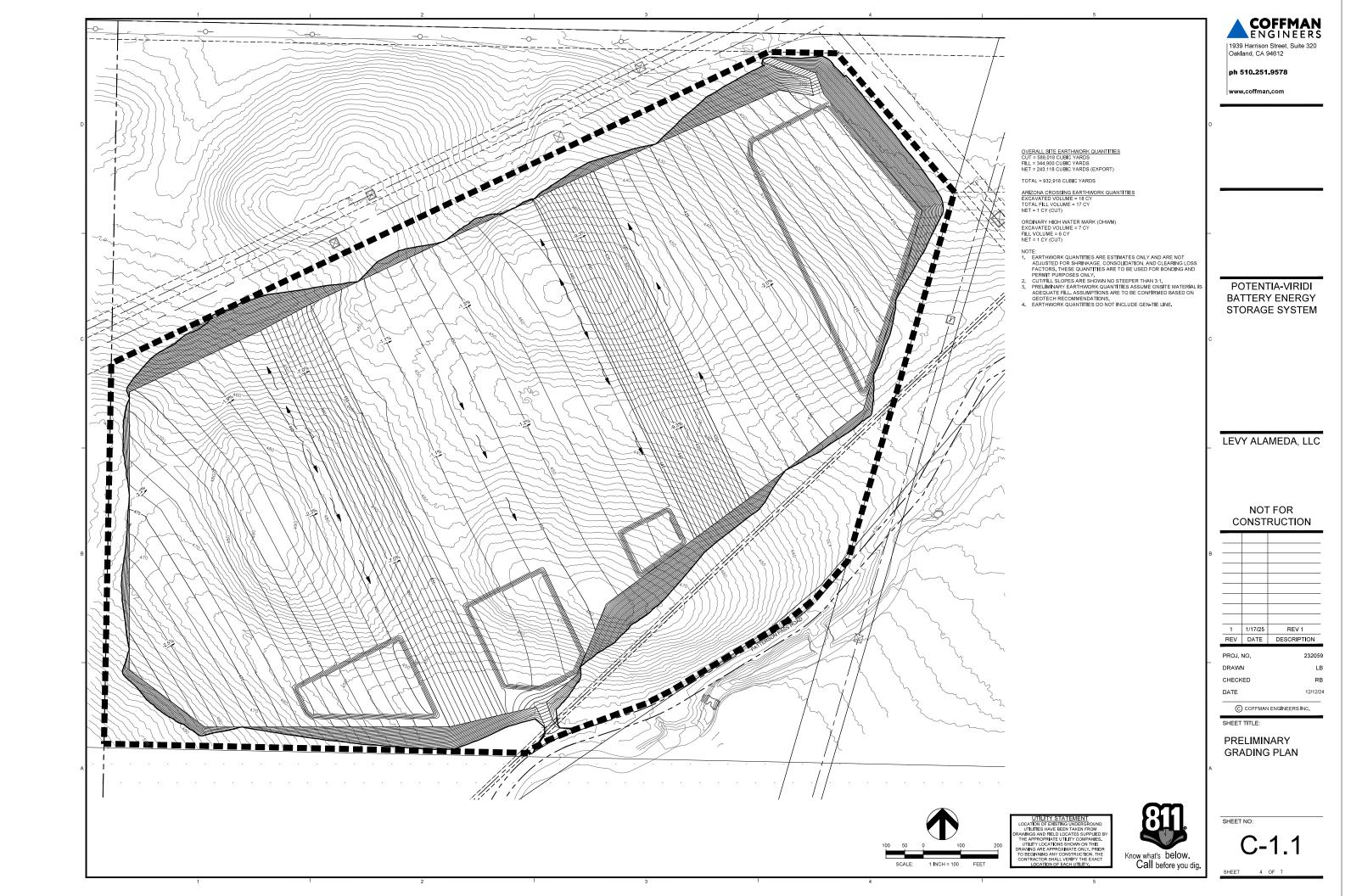
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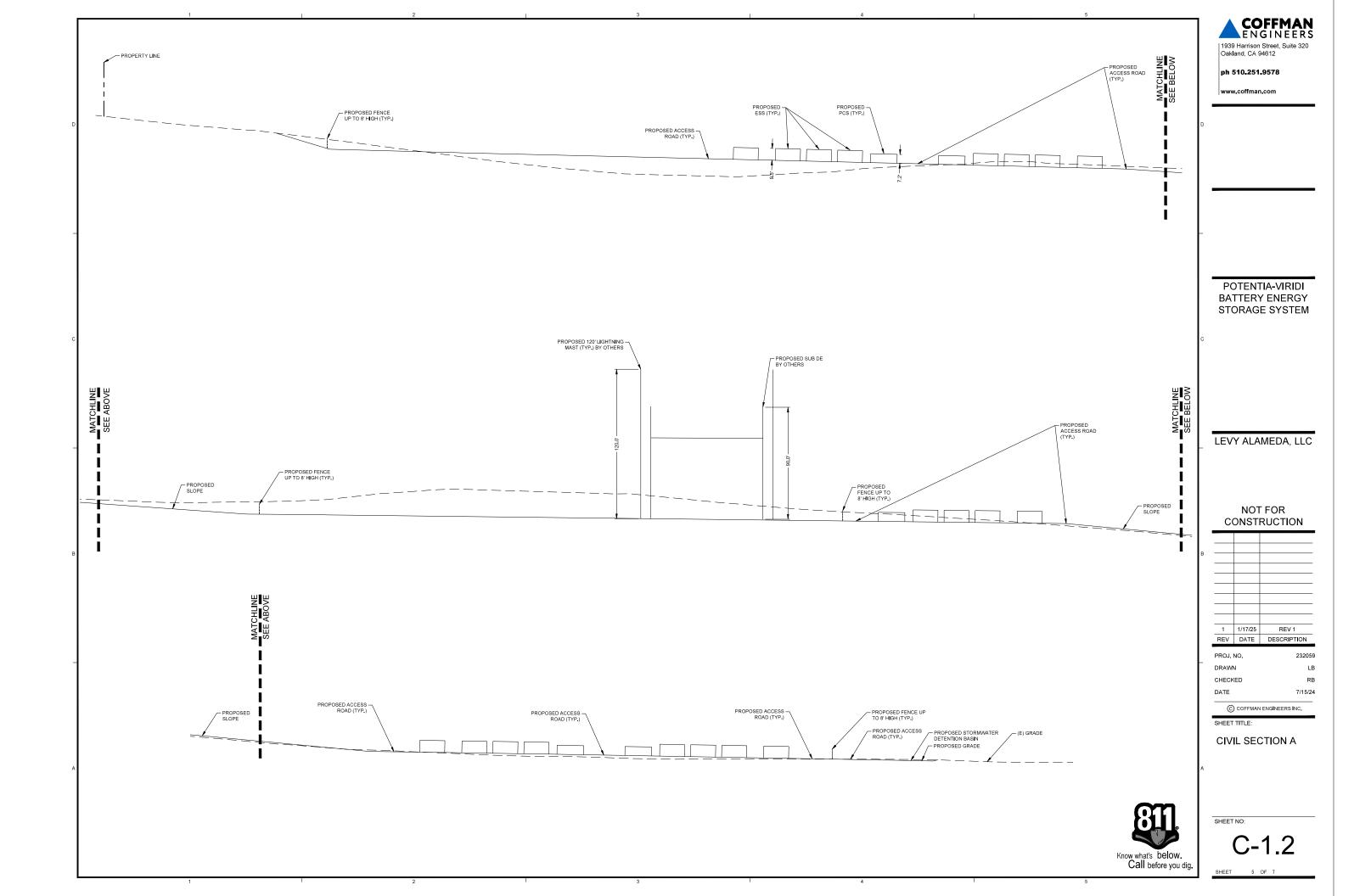
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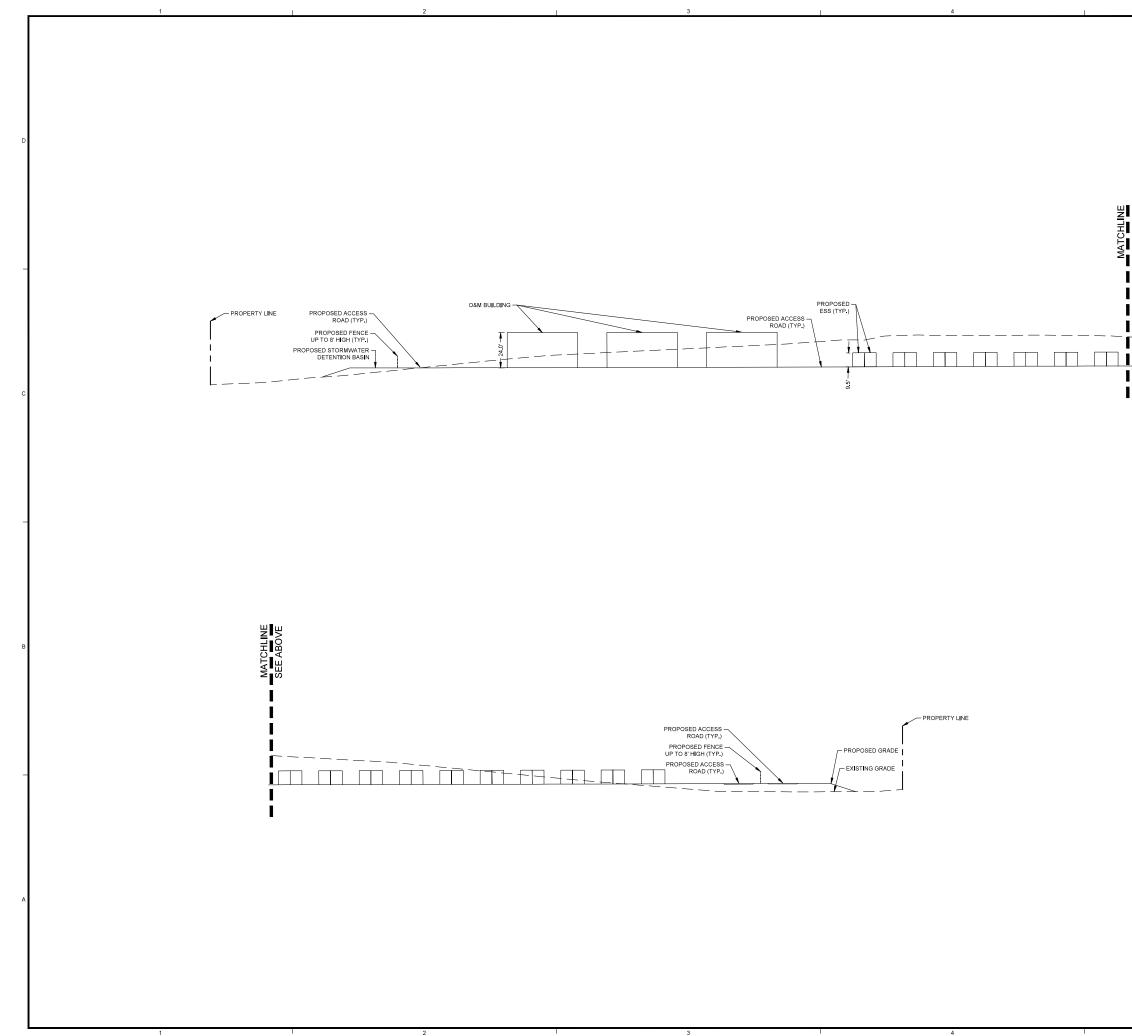
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SITE PLAN

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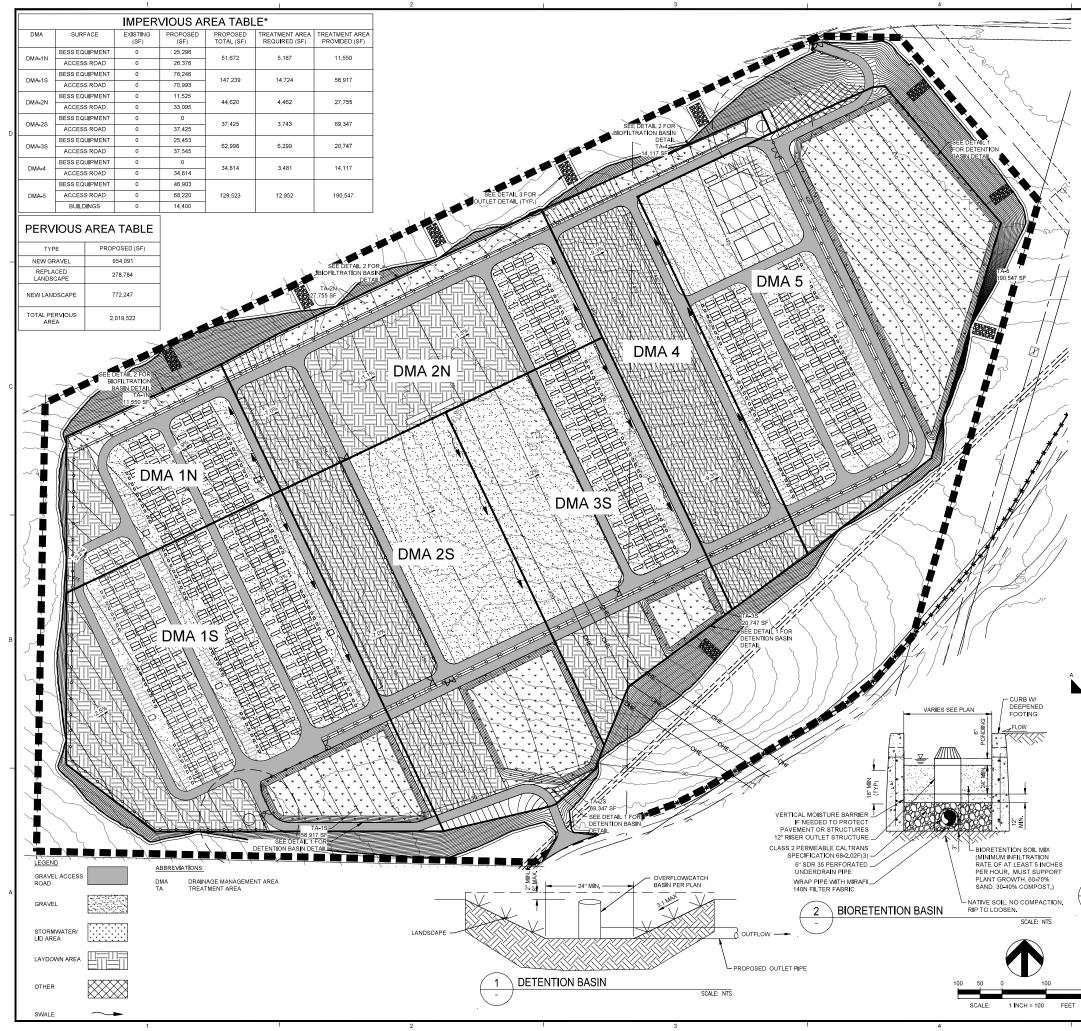






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Know what's below. Call before you dig.		C-1.3
Call before you dig.		SHEET 5 OF 7





	STORM	INTENSITY		Q-POST	DELTA-Q	-	1939 Harrison Street, Suite 32 Oakland, CA 94612
	EVENT	(IN/HR)	(CFS)	(CFS)	(CFS)	_	Guidand, Ort 646 12
	5-YEAR 15-YEAR	1.15	0.8	2.7	1.9 2.4	-	ph 510.251.9578
DMA - 1N	25-YEAR	1.66	1.0	3.8	2.4	-	
	100-YEAR	2.05	1.4	4.7	3.3		www.coffman.com
	5-YEAR	1.06	1.9	6.5	4.6		
DMA-1S	15-YEAR	1.38	2.5	8.4	6.0	_	
	25-YEAR	1.52	2.7	9.3	6.6		
	100-YEAR 5-YEAR	1.88	3.4	11.5 4.7	8.1 3.3	-	
	15-YEAR	1.15	1.4	6.1	4.3	-	
DMA-2N	25-YEAR	1.66	2.0	6.8	4.8	-	
	100-YEAR	2.05	2.5	8.3	5.9	-	
	5-YEAR	1.21	2.0	6.9	4.9		
DMA-2S	15-YEAR	1.58	2.7	9.0	6.4		
	25-YEAR	1.74	2.9	10.0	7.0	_	
	100-YEAR 5-YEAR	2.16	3.6	12.4 4.6	8.7	-	
	15-YEAR	1.32	1.4	4.0	4.2	-	
DMA-3S	25-YEAR	1.46	1.9	6.6	4.7		
	100-YEAR	1.81	2.4	8.2	5.8	-	
	5-YEAR	0.73	0.8	2.6	1.8	-	
	15-YEAR	0.95	1.0	3.3	2.4	-	
DMA 4	25-YEAR	1.05	1.1	3.7	2.6		
	100-YEAR	1.30	1.3	4.6	3.2		POTENTIA-VIRIDI
	5-YEAR	1.45	3.4	11.4	8.1	-	BATTERY ENERGY
DMA 5	15-YEAR 25-YEAR	1.89	4.4	14.9	10.5 11.6		STORAGE SYSTEM
	100-YEAR	2.08	4.8 6.0	20.4	11.6	-	STORAGE STSTEN
	TOUTEAR	2.55	0.0	20.4			
		VOLUM	E SIZIN	G		с	
	DMA	REQUIRED STORAGE VOLUME (CF)	TREATMEN AREA PROVIDED	REQUIR	ED		
-		70.004	(SF)				
-	DMA-1N	72,284 175,245	11,550 56,917	6.3	_		
	DMA-1S						
	DMA-2N	127,235	27,755	4.6			
	DMA-2S	188,346	69,347	2.7			
-		124,989	20,747				
	DMA-3S			6.0			
-	DMA-3S	69,810	14,117	4.9			
PRELIMIN	DMA-4 DMA-5 IARY LID CALC	69,810 31,758 :ULAT I ONS ARE	14,117 190,547	4.9	ON 10% OF	_	LEVY ALAMEDA, LL
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