

## **AVOCET ENERGY STORAGE, LLC**

## **PROJECT DIRECTORY**

CONTACT:	MR. ARON BRANAM AREVON ENERGY VICE PRESIDENT, DEVELOPMENT AND CONSTRUCTION	GENERAL
	8800 N GAINEY CENTER DR SUITE 250 SCOTTSDALE, AZ 85258	PRELIMINARY BUILD
		ZONING:
PERMITTING CONTACT:	MR. KEITH LATHAM TENASKA	
	VICE PRESIDENT 14302 FNB PKWY OMAHA, NE 68154	<u>DWG. NO.</u> 02A - SK101 02B - SK101 03A - EXS101
PROJECT ADDRESS:	23320 ALAMEDA STREET CARSON, CALIFORNIA 90810 APN: 7315-020-022	03B - EXS102 04A - LSC101 04B - LSC102 04C - MWELO 04D - SIGN APP
ENGINEER:	BURNS & McDONNELL ENGINEERING CO, INC 9400 WARD PARKWAY KANSAS CITY, MO 64114 816 -333 -9400	05 - SKC001 06 - ALTA 07 - LIGHTING 08A - PHOTOSIM1 08B - PHOTOSIM2 08C - PHOTOSIM3
LANDSCAPE ARCHITECT:	BURNS & McDONNELL ENGINEERING CO, INC 9400 WARD PARKWAY KANSAS CITY, MO 64114 816 -333 -9400	08D - PHOTOSIM4 08E - PHOTOSIM5 08F - PHOTOSIM6
ENVIRONMENTAL CONSULTANT:	DUDEK 605 THIRD STREET ENCINITAS, CA 92024	



9400 WARD PARKWAY KANSAS CITY, MO 64114 816-333-9400 BURNS & MCDONNELL ENGINEERING COMPANY, INC.

AVOCET ENERGY STORAGE, LLC

### **PROJECT DESCRIPTION**

200 MW BATTERY ENERGY STORAGE SYSTEM (BESS) FACILITY

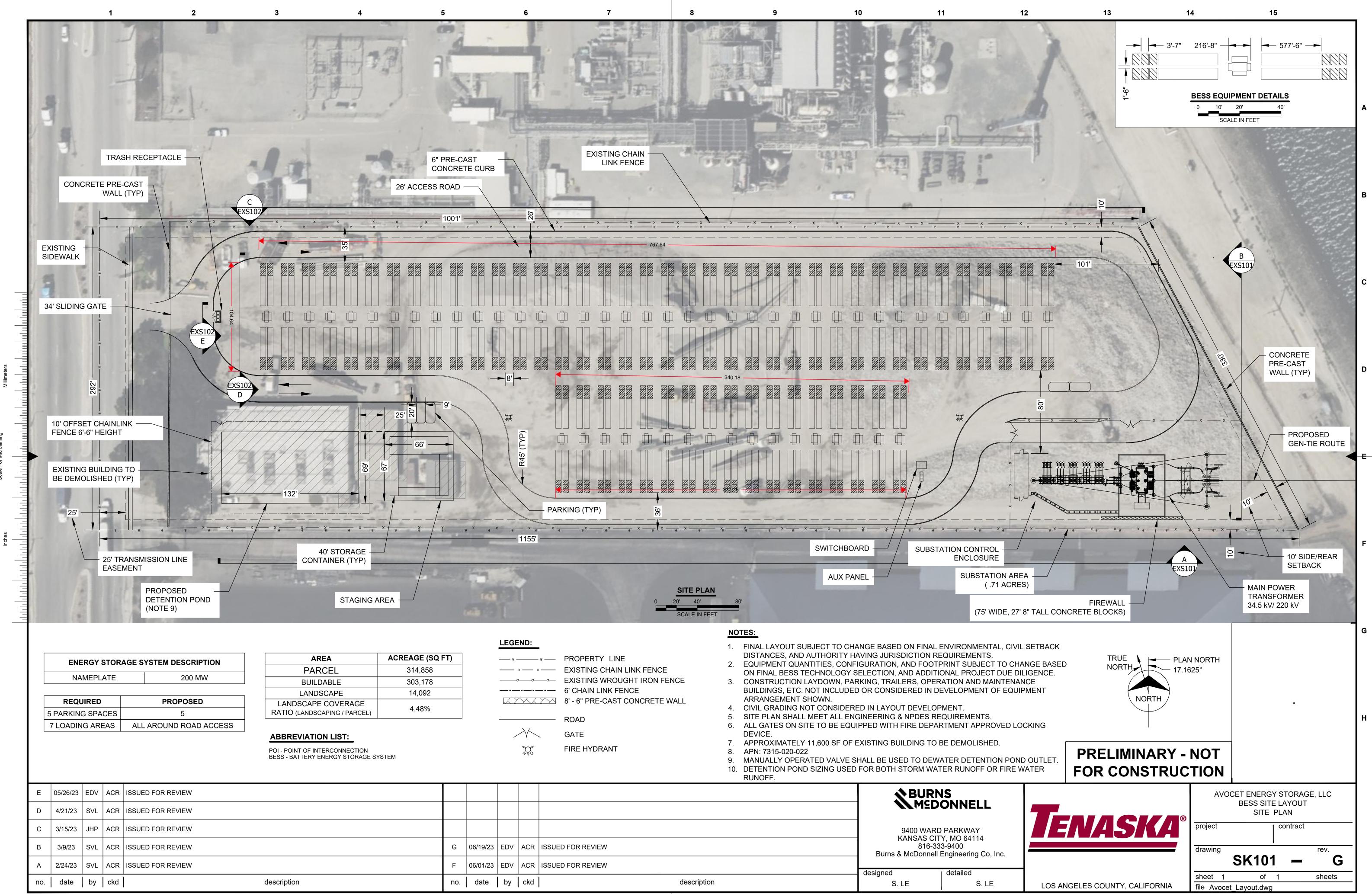
LDING AREA: 303,178 SQ. FT

MANUFACTURING HEAVY (MH)

### TITLE

SITE LAYOUT PLAN BESS EQUIPMENT DETAILS ELEVATION LAYOUT SHEET ' **ELEVATION LAYOUT SHEET 2** LANDSCAPE PLAN SIGNAGE DETAILS MODEL WATER EFFICIENT LANDSCAPE ORDINANCE **BUSINESS SIGN APPLICATION** GRADING PLAN PRO-FORMA ALTA LIGHTING AND SURVEILLANCE PLAN PHOTOSIMULATION 2 **PHOTOSIMULATION 2 PHOTOSIMULATION 3 PHOTOSIMULATION 4 PHOTOSIMULATION 5** PHOTOSIMULATION 6

# **COVER SHEET**

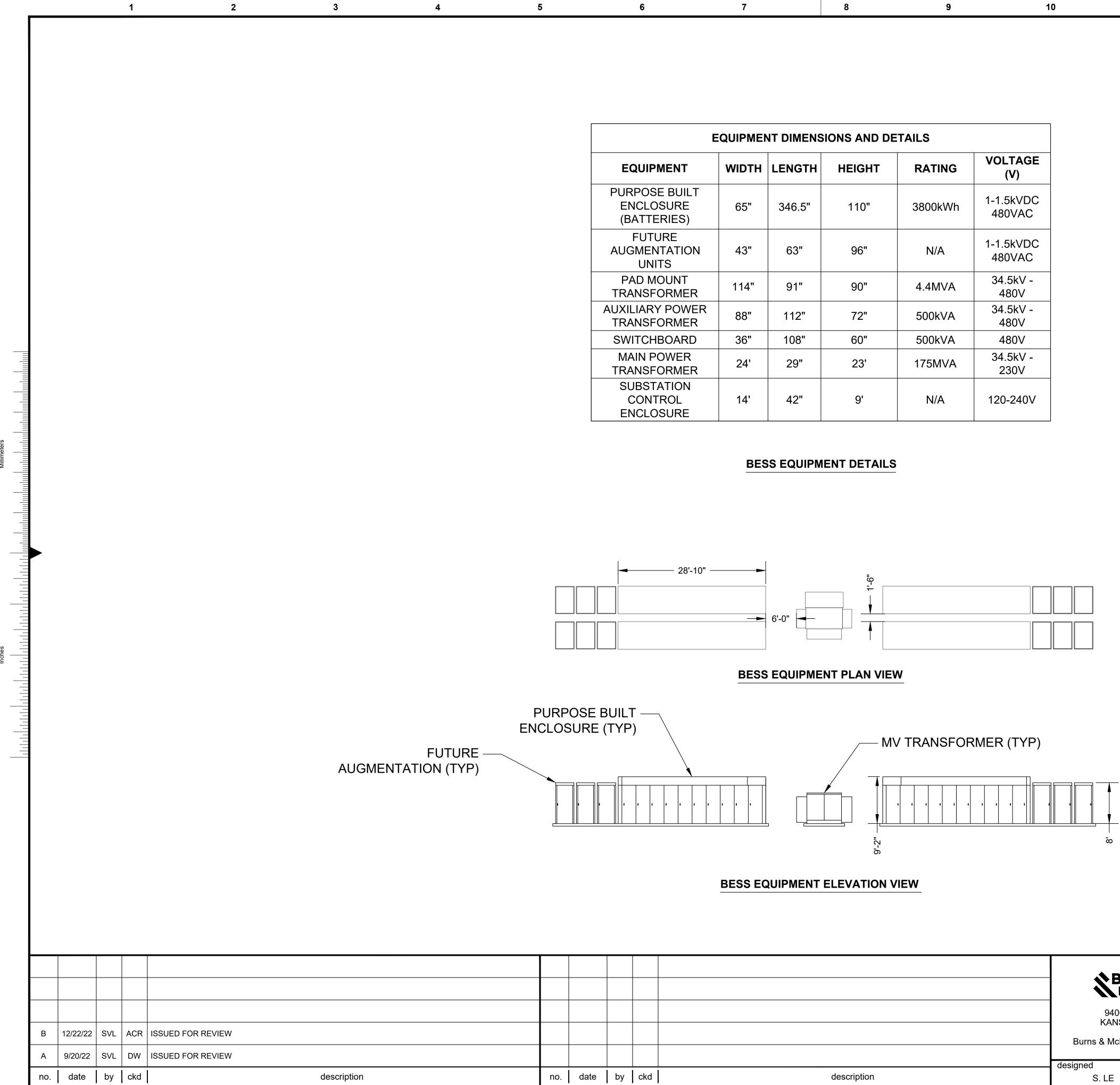


ENERGY STORAGE SYSTEM DESCRIPTION						
NAMEPLATE		200 MW				
REQUIRED		PROPOSED				
5 PARKING SPACES		5				

AREA	ACREAGE (SQ FT)
PARCEL	314,858
BUILDABLE	303,178
LANDSCAPE	14,092
LANDSCAPE COVERAGE RATIO (LANDSCAPING / PARCEL)	4.48%

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	Е	05/26/23	EDV	ACR	ISSUED FOR REVIEW		
	D	4/21/23	SVL	ACR	ISSUED FOR REVIEW		
	С	3/15/23	JHP	ACR	ISSUED FOR REVIEW		
	В	3/9/23	SVL	ACR	ISSUED FOR REVIEW	G	06/19/2
	А	2/24/23	SVL	ACR	ISSUED FOR REVIEW	F	06/01/2
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/23	EDV	ACR	ISSUED FOR REVIEW	KANSAS CITY, MO 64114 816-333-9400 Burns & McDonnell Engineering Co		
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E	EQUIPMENT DIMENSIONS AND DETAILS								
EQUIPMENT	WIDTH	LENGTH	HEIGHT	RATING	VOLTAGE (V)				
PURPOSE BUILT ENCLOSURE (BATTERIES)	65"	346.5"	110"	3800kWh	1-1.5kVDC 480VAC				
FUTURE AUGMENTATION UNITS	43"	63"	96"	N/A	1-1.5kVDC 480VAC				
PAD MOUNT TRANSFORMER	114"	91"	90"	4.4MVA	34.5kV - 480V				
AUXILIARY POWER TRANSFORMER	88"	112"	72"	500kVA	34.5kV - 480V				
SWITCHBOARD	36"	108"	60"	500kVA	480V				
MAIN POWER TRANSFORMER	24'	29"	23'	175MVA	34.5kV - 230V				
SUBSTATION CONTROL ENCLOSURE	14'	42"	9'	N/A	120-240V				

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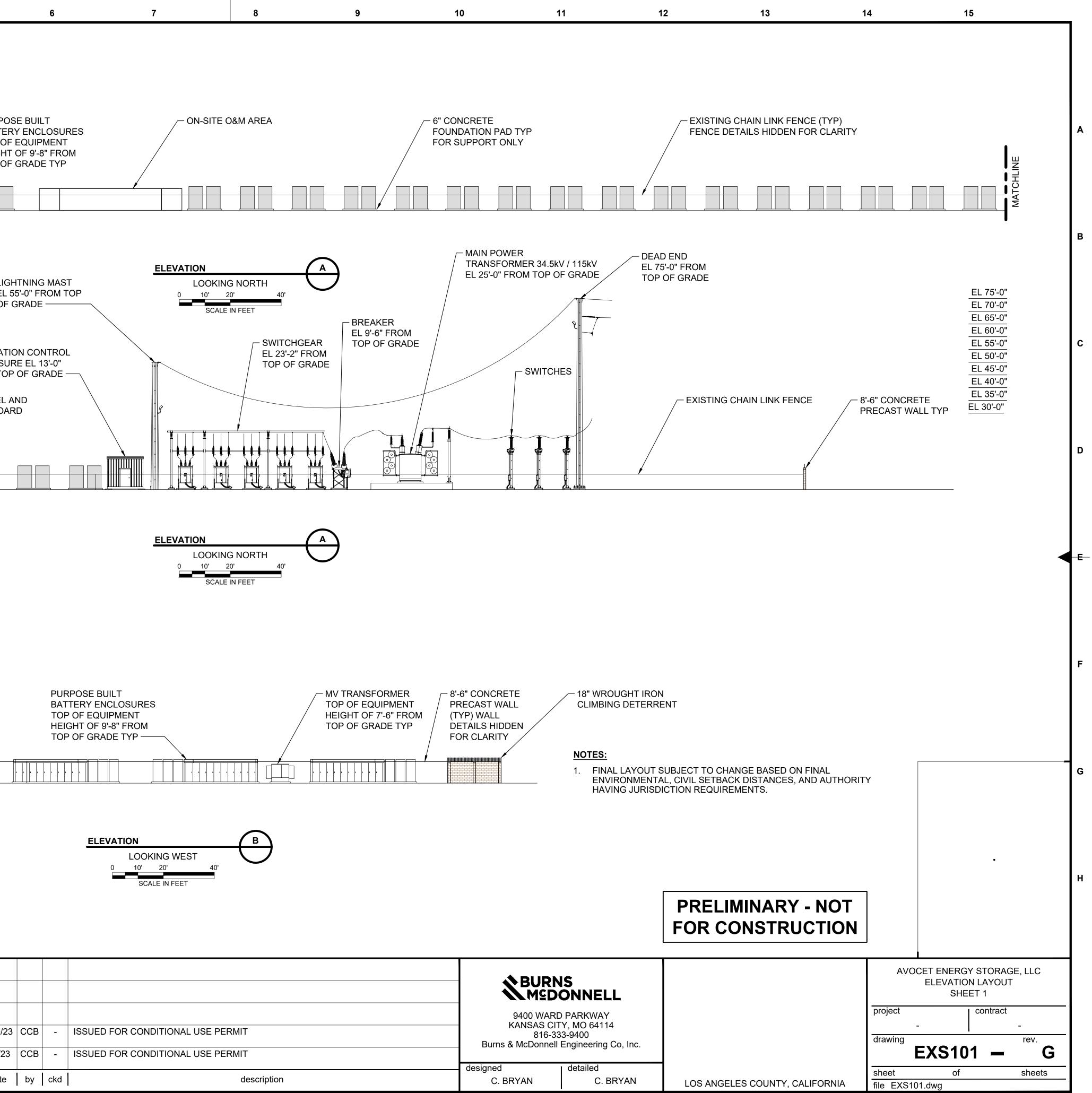
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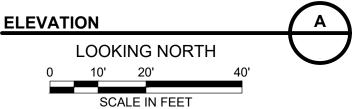
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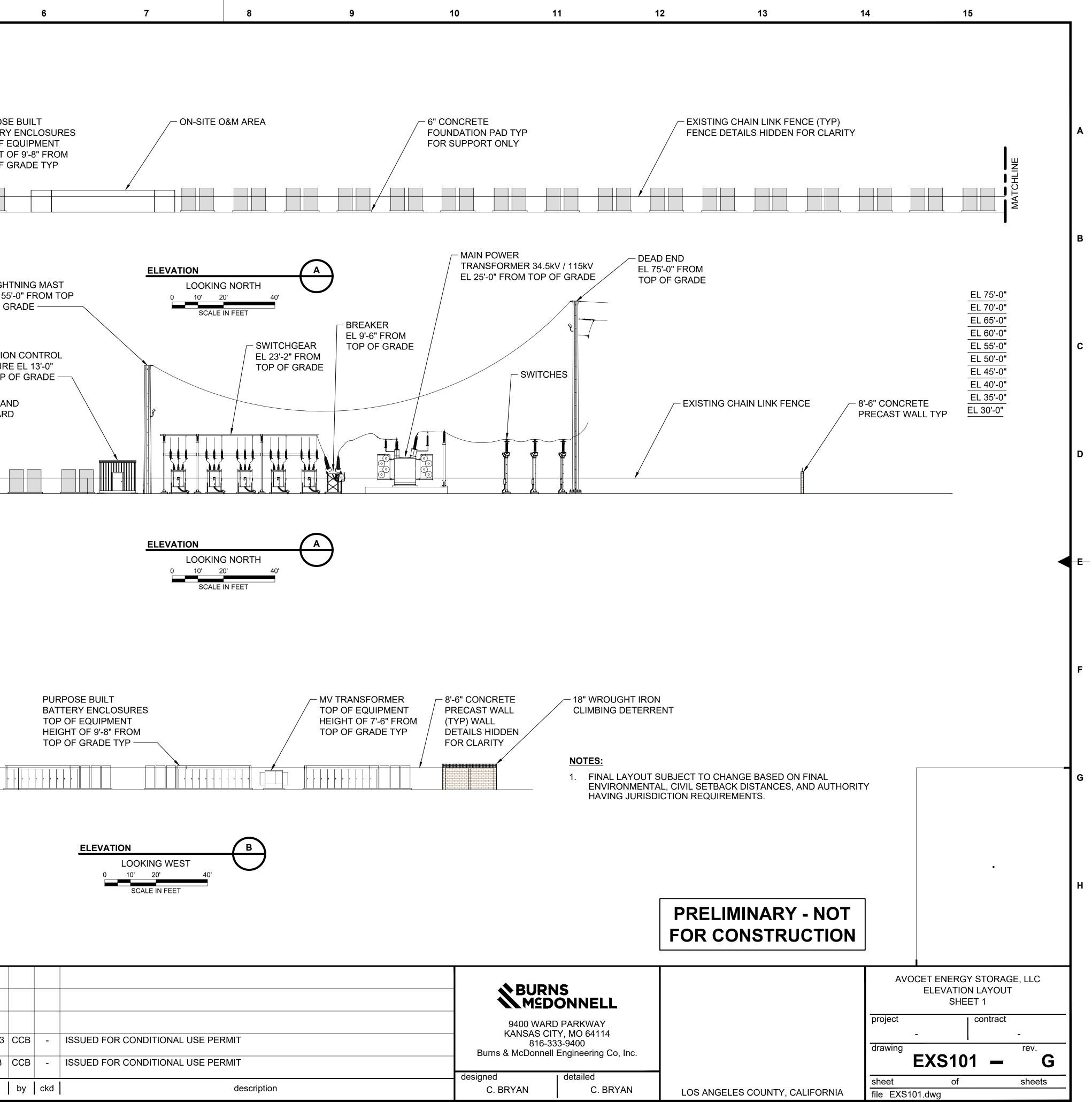
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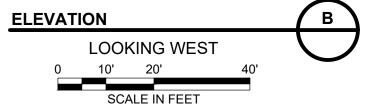
	- 18" WROUGHT IRON CLIMBING DETERRENT - 8'-6" CONCRETE PRECAST WALL TYP	PURPOSE BUILT BATTERY ENCLO TOP OF EQUIPM HEIGHT OF 9'-8" TOP OF GRADE	OSURES /IENT ' FROM	/ FOUN	NCRETE IDATION PAD TYP SUPPORT ONLY
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	FIREWALL AT SOUTH SIDE OF TRANSFORMER HEIGHT OF 27*9" FROM TOP OF GRADE EL 75-0" EL 60*0" EL 65*0" EL 55*0" EL 45*0" EL 40*0"	ı	ELEVATION         LOCKING         UPPOSE BUILT         BATTERY ENCLOSURES         TOP OF EQUIPMENT         HEIGHT OF 9'-8" FROM         TOP OF GRADE TYP         UOUD         UUUD         UUUD	N FEET MV TRANSFORMER TOP OF EQUIPMENT HEIGHT OF 7'-6" FROM TOP OF GRADE TYP	2-6" CONCRETE RECAST WALL TYP) WALL ETAILS HIDDEN OR CLARITY
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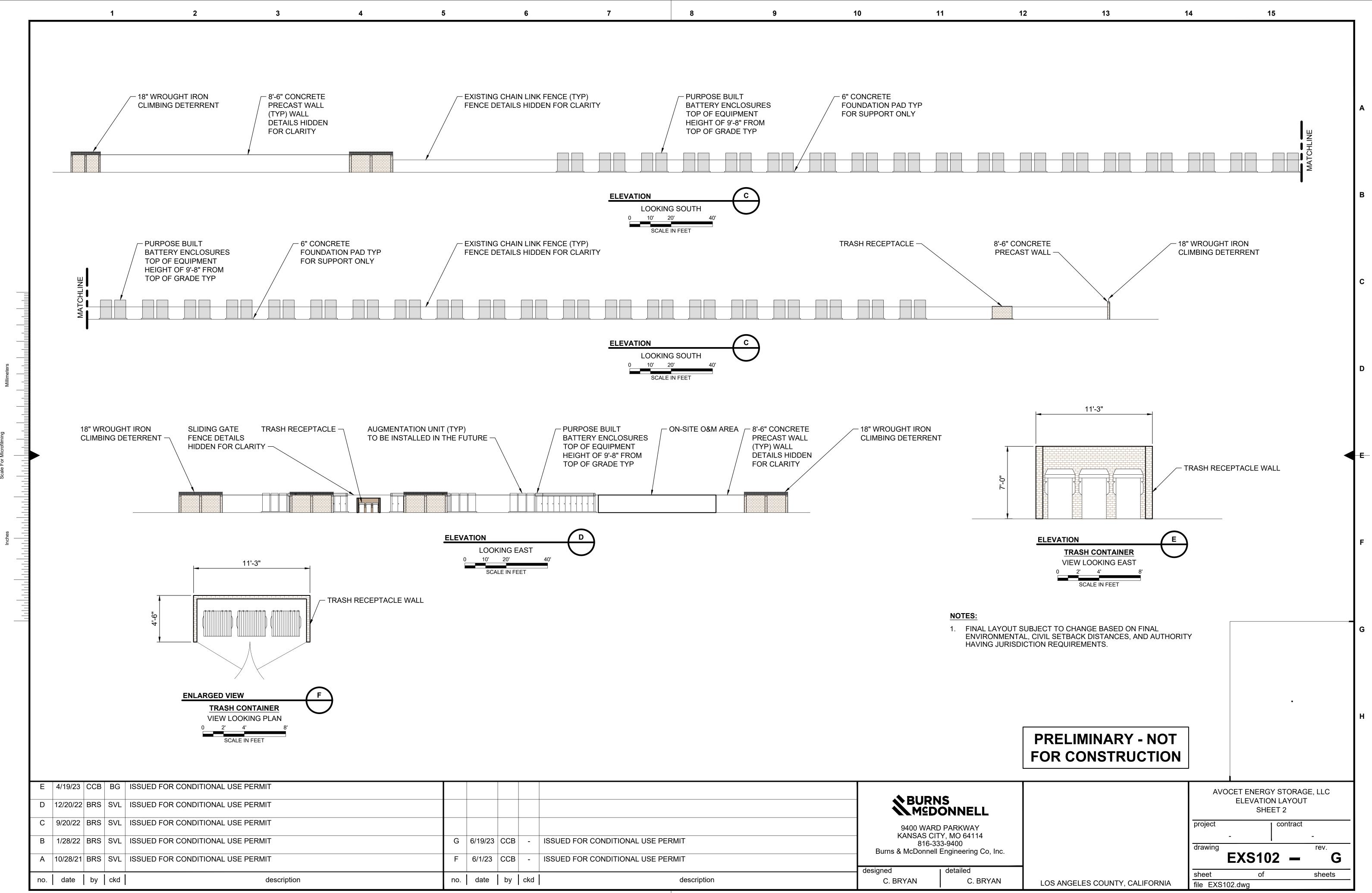




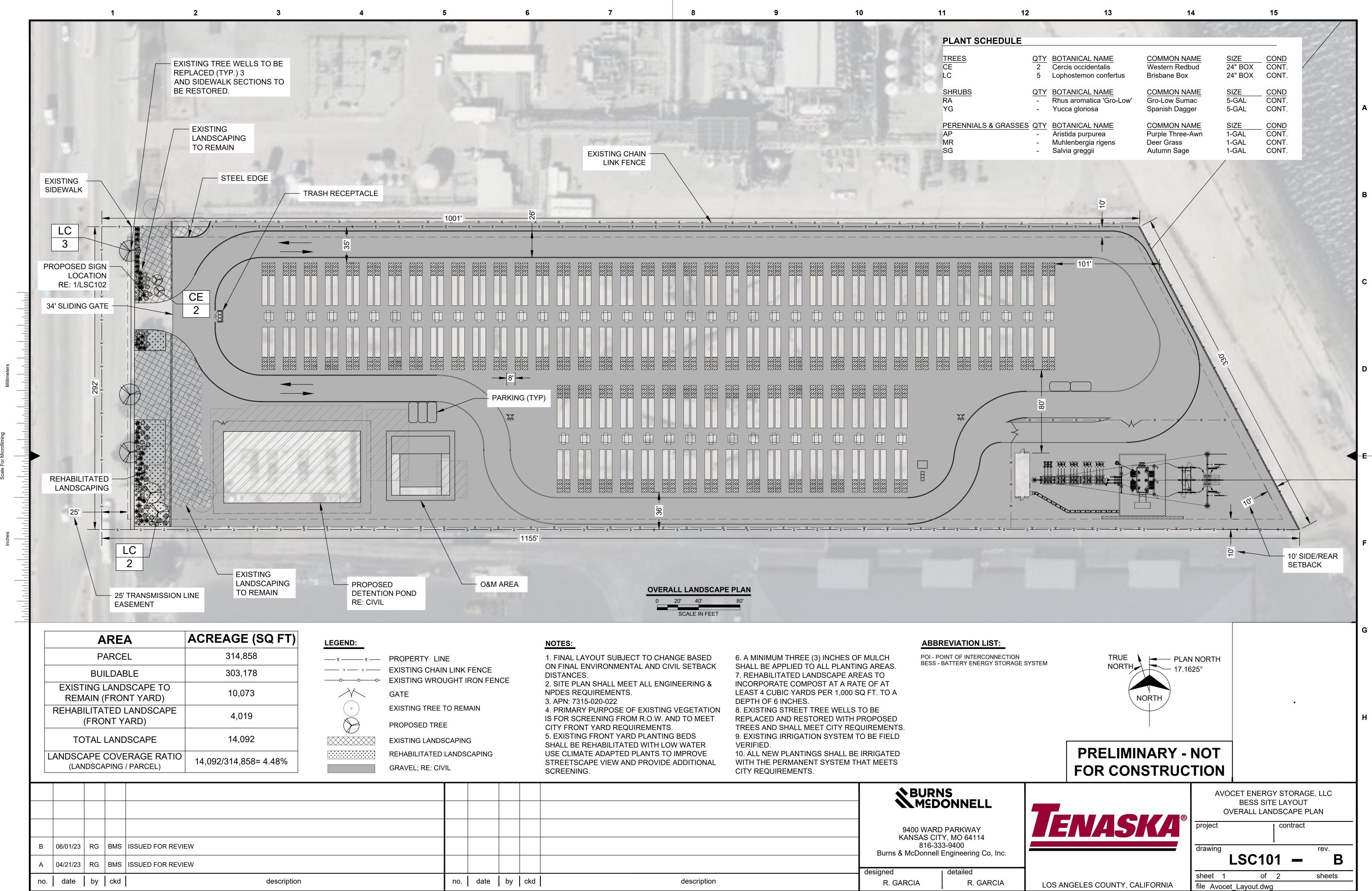




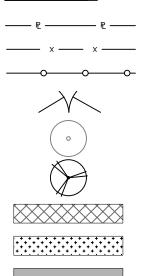




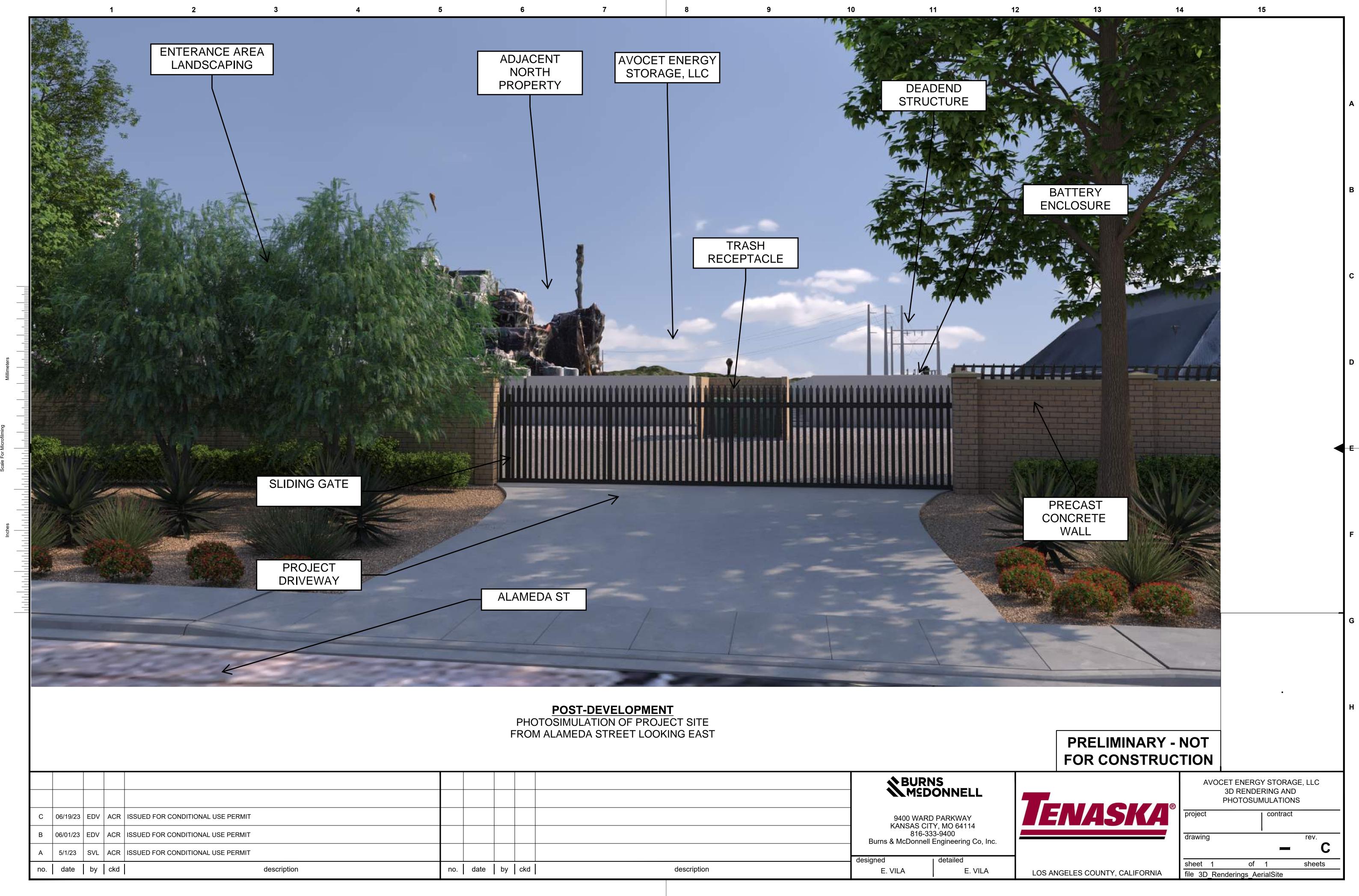
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PARCEL	314,858
BUILDABLE	303,178
EXISTING LANDSCAPE TO REMAIN (FRONT YARD)	10,073
REHABILITATED LANDSCAPE (FRONT YARD)	4,019
TOTAL LANDSCAPE	14,092
LANDSCAPE COVERAGE RATIO (LANDSCAPING / PARCEL)	14,092/314,858= 4.48%

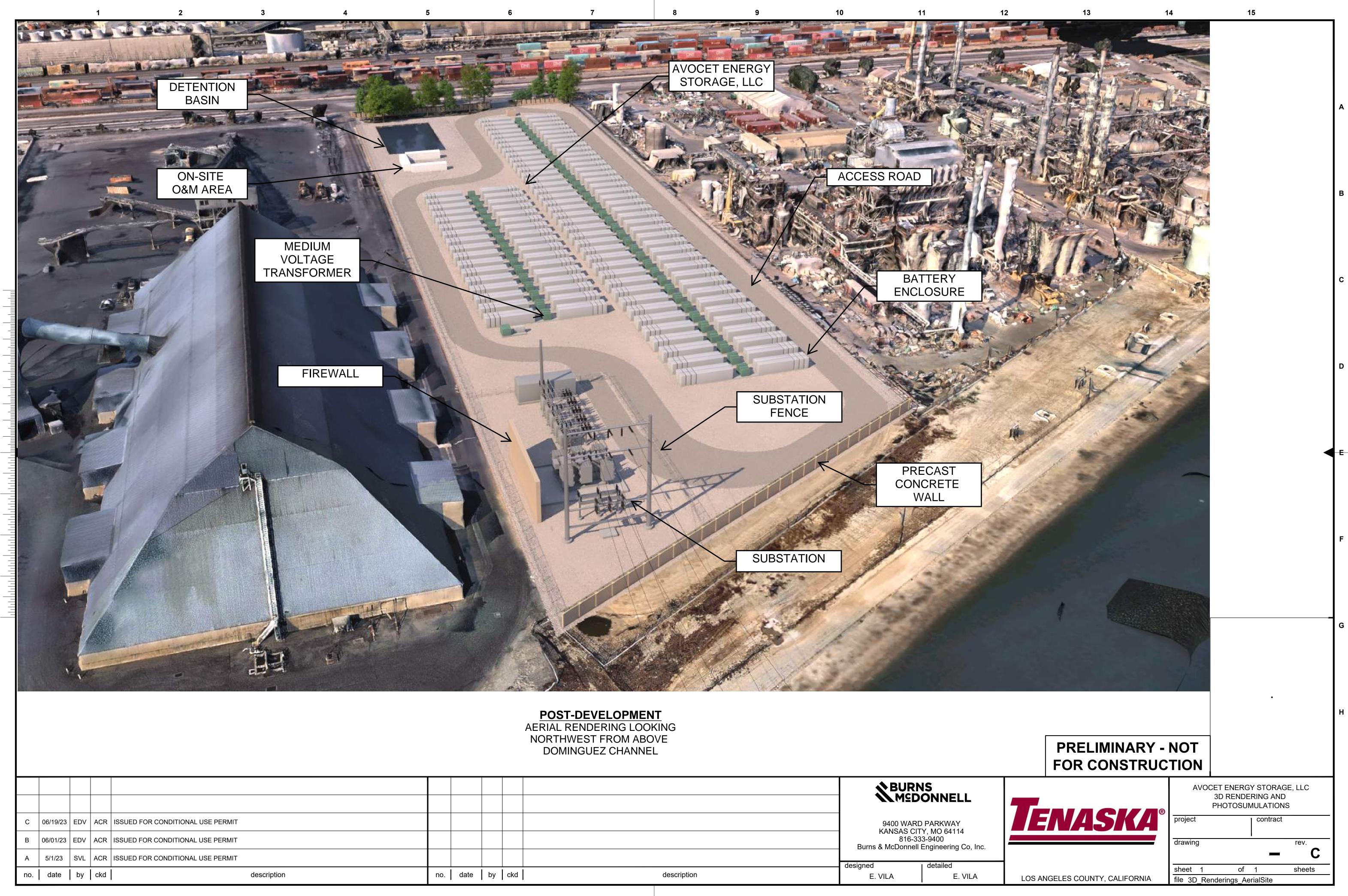


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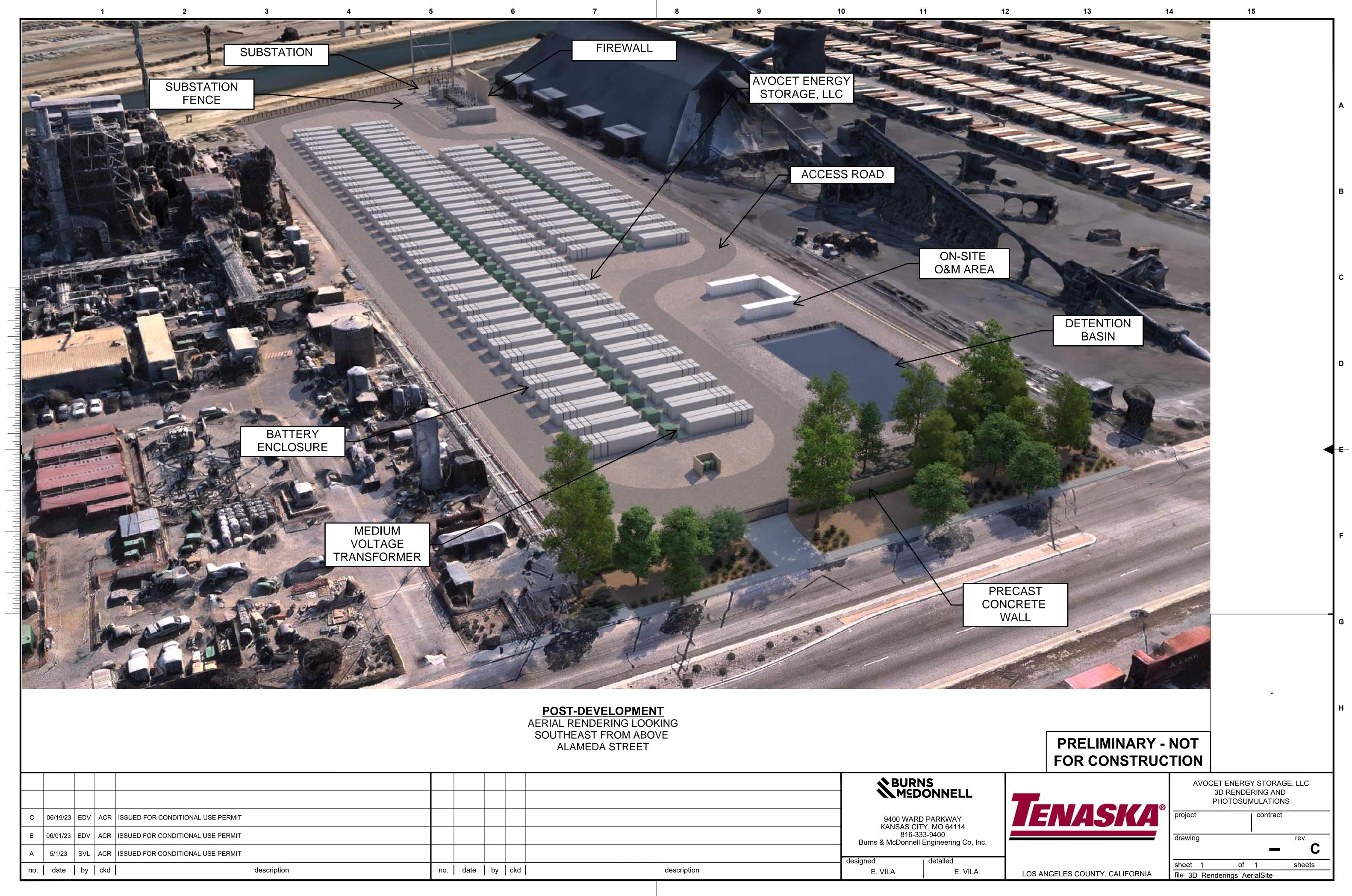
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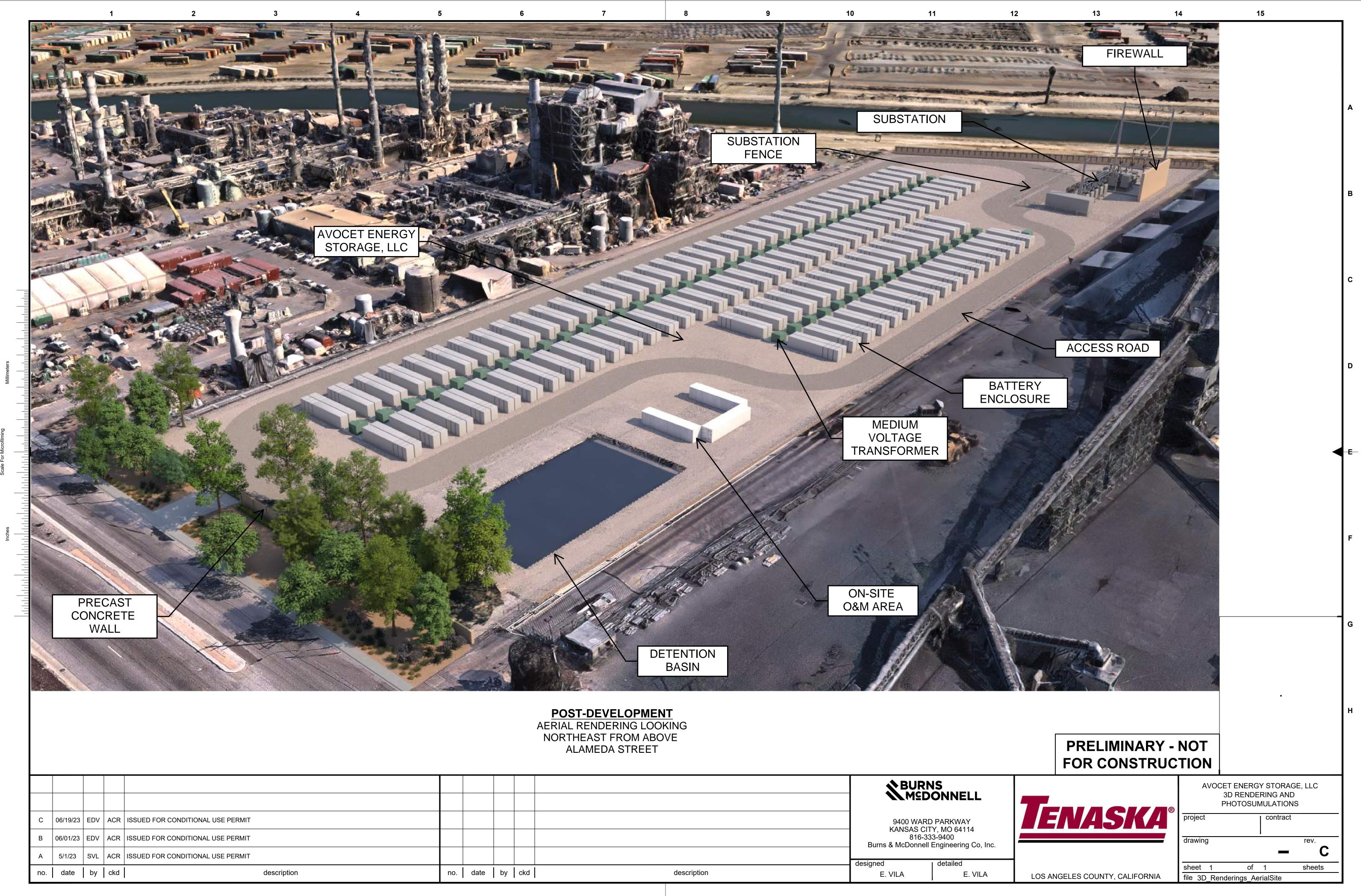
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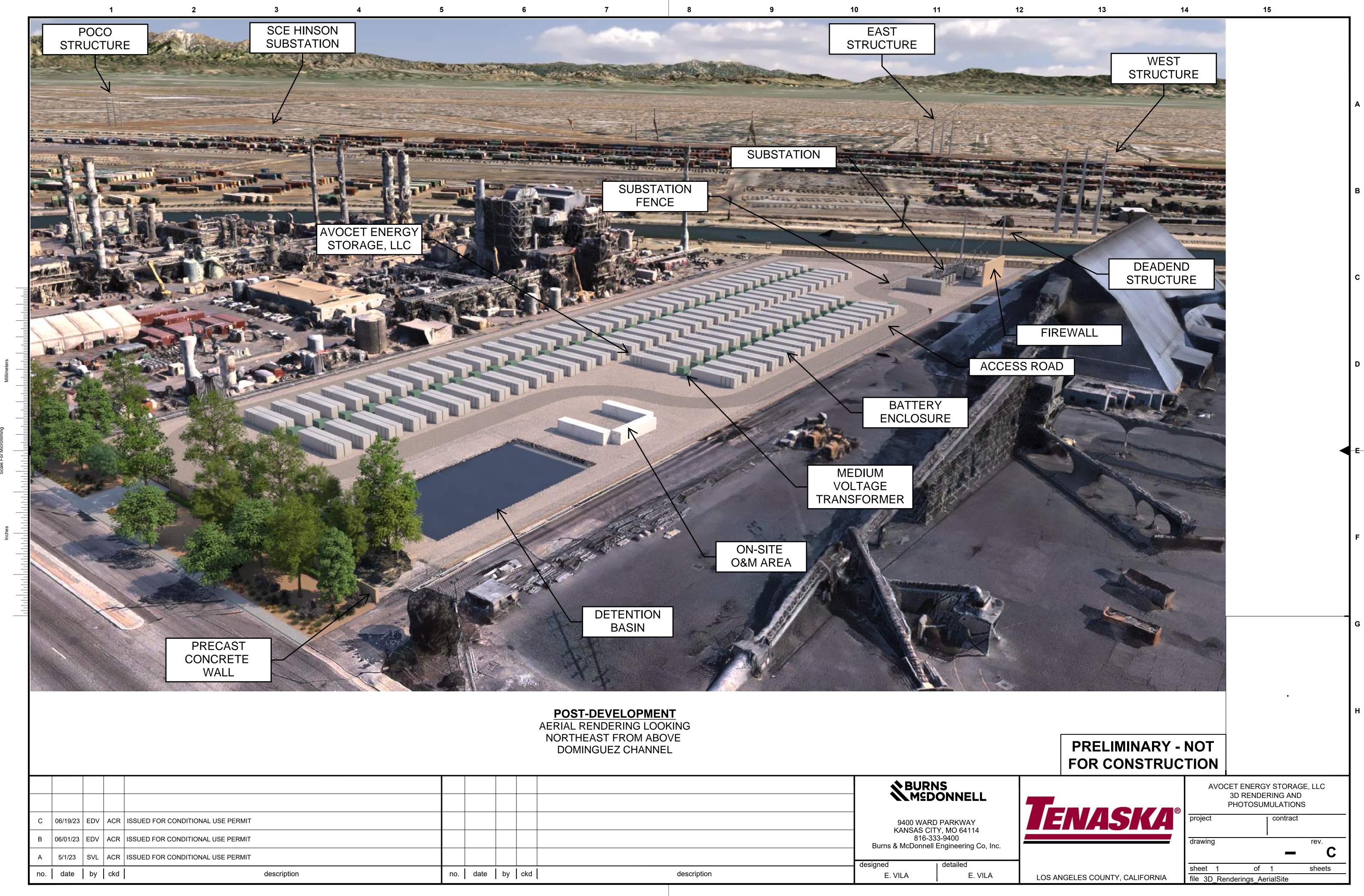


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