

WESTSIDE PUMP STATION  
RELIABILITY IMPROVEMENTS  
CIVIC DESIGN REVIEW - PHASE 2 - JANUARY 23, 2017

CITY & COUNTY OF SAN FRANCISCO  
PUBLIC UTILITIES COMMISSION



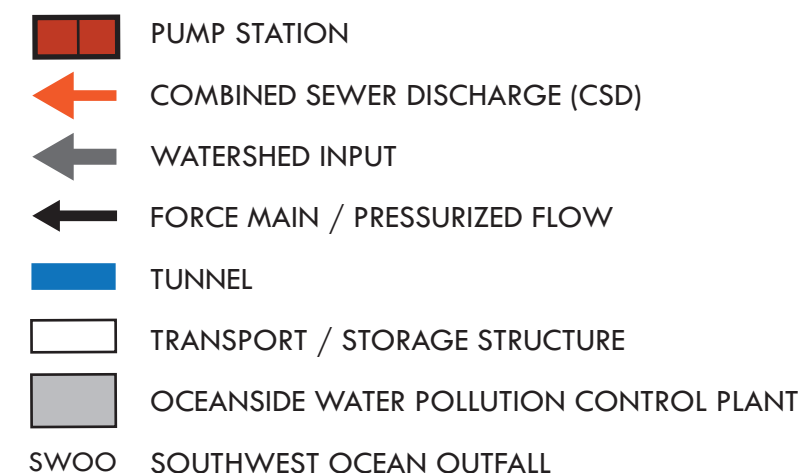


## PROJECT BACKGROUND AND OBJECTIVE

The Westside Pump Station has been in service for over 30 years since 1985. It is the SFPUC's main wastewater pump station servicing the west side of the City of San Francisco therefore its continued service and reliability is critical. The objective of the Westside Pump Station Reliability Improvements Project is to increase reliability of its operations to comply with the current maximum permitted level of Combined Sewage Discharges.

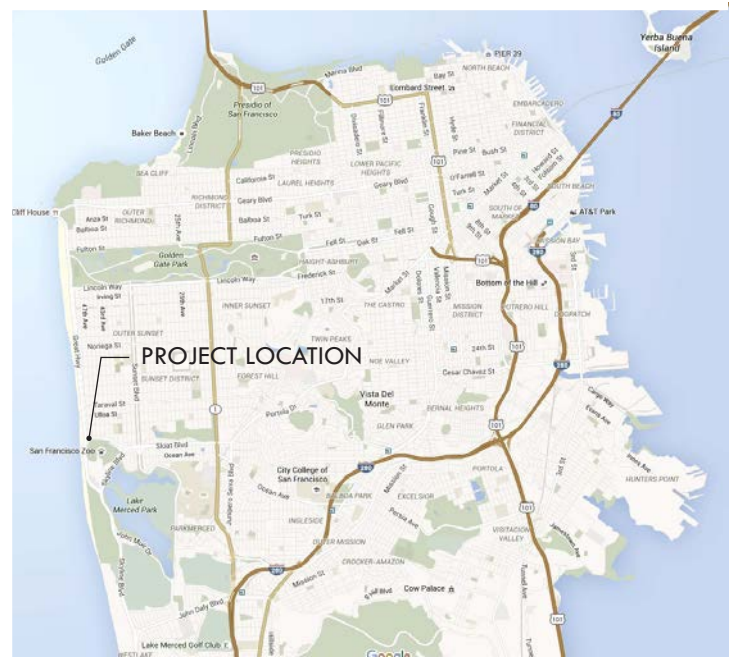
## SCOPE OF WORK

- Construction of a below-grade channel and a vertical shaft with connection to existing facility
- Renovation/reconstruction of a portion of the existing pump station to accommodate construction of new channel/shaft and installation of new mechanical equipment
- Construction of a new electrical building to provide a redundant power feed and increase the power capacity
- Providing a new driveway for improved access and other site improvements



Project Background and Objective





Project Location



SLOAT BOULEVARD LOOKING WEST



SLOAT BOULEVARD LOOKING EAST



Street Views



GREAT HIGHWAY LOOKING NORTH

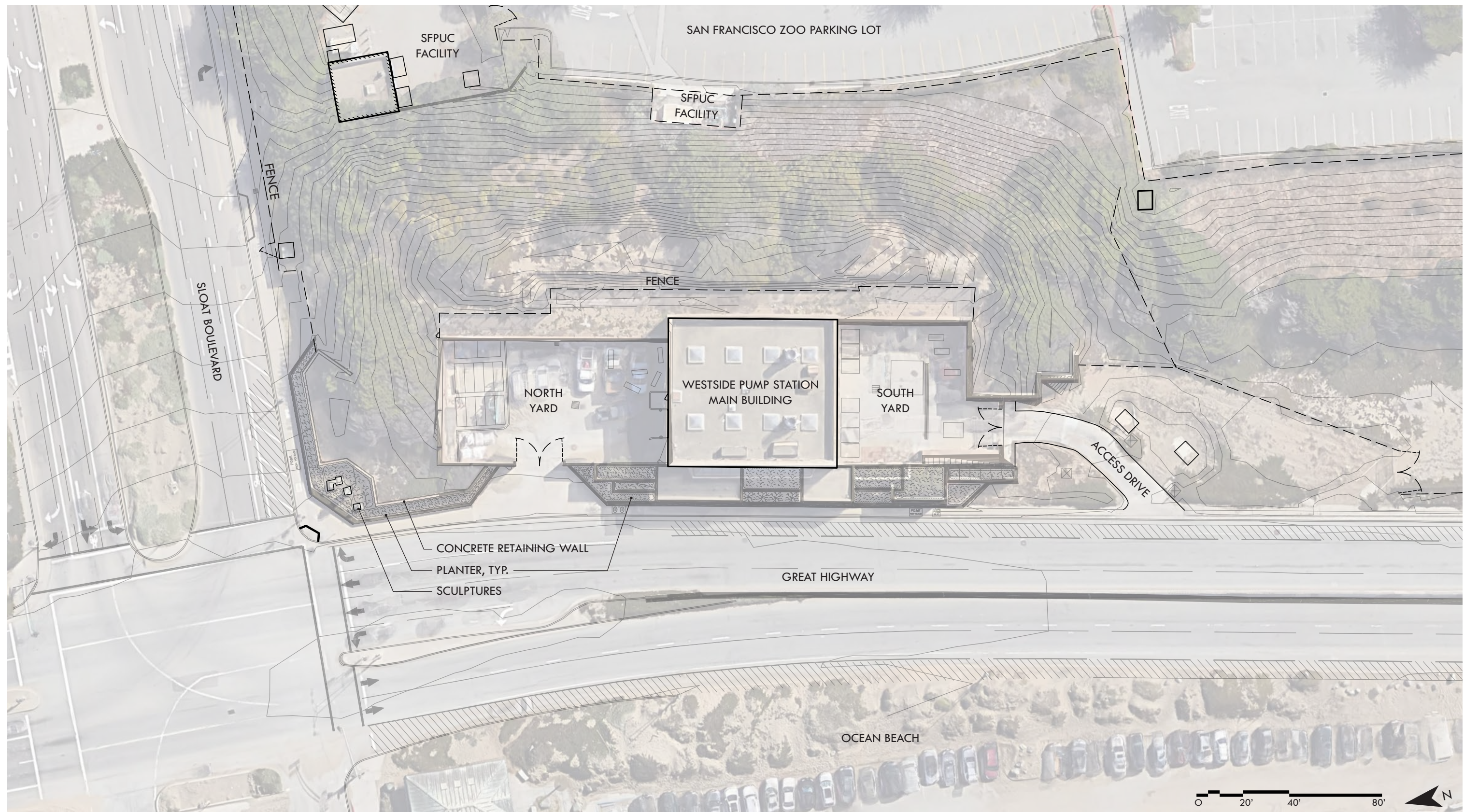


GREAT HIGHWAY LOOKING SOUTH



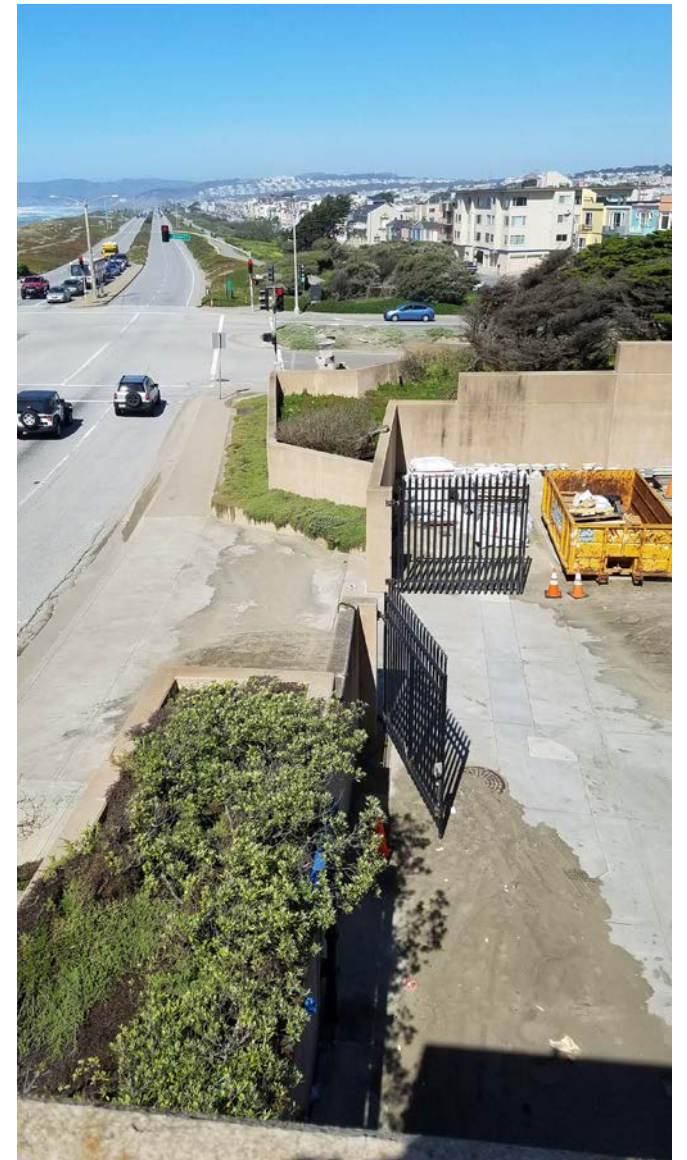
Street Views





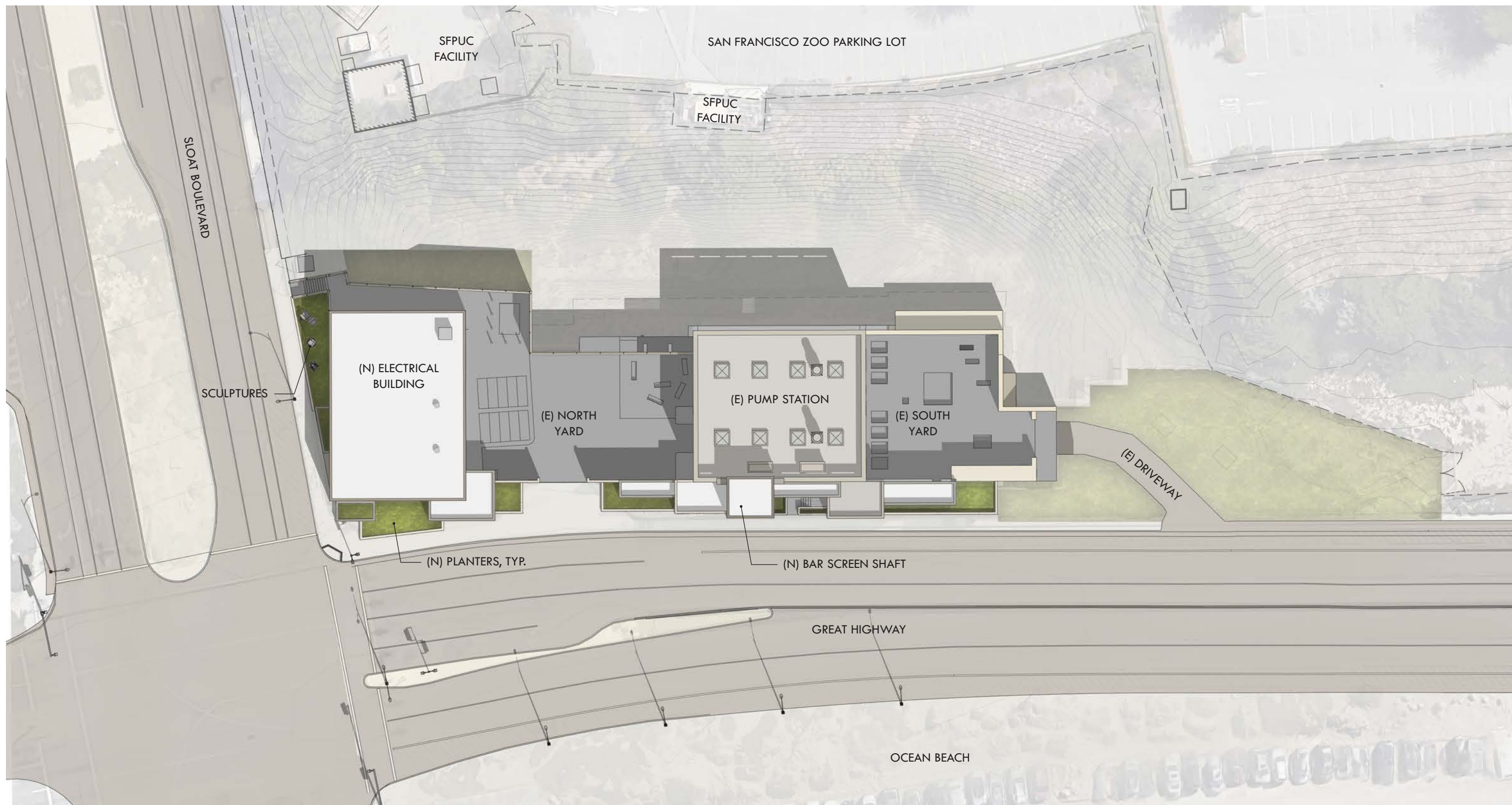
Existing Site Plan





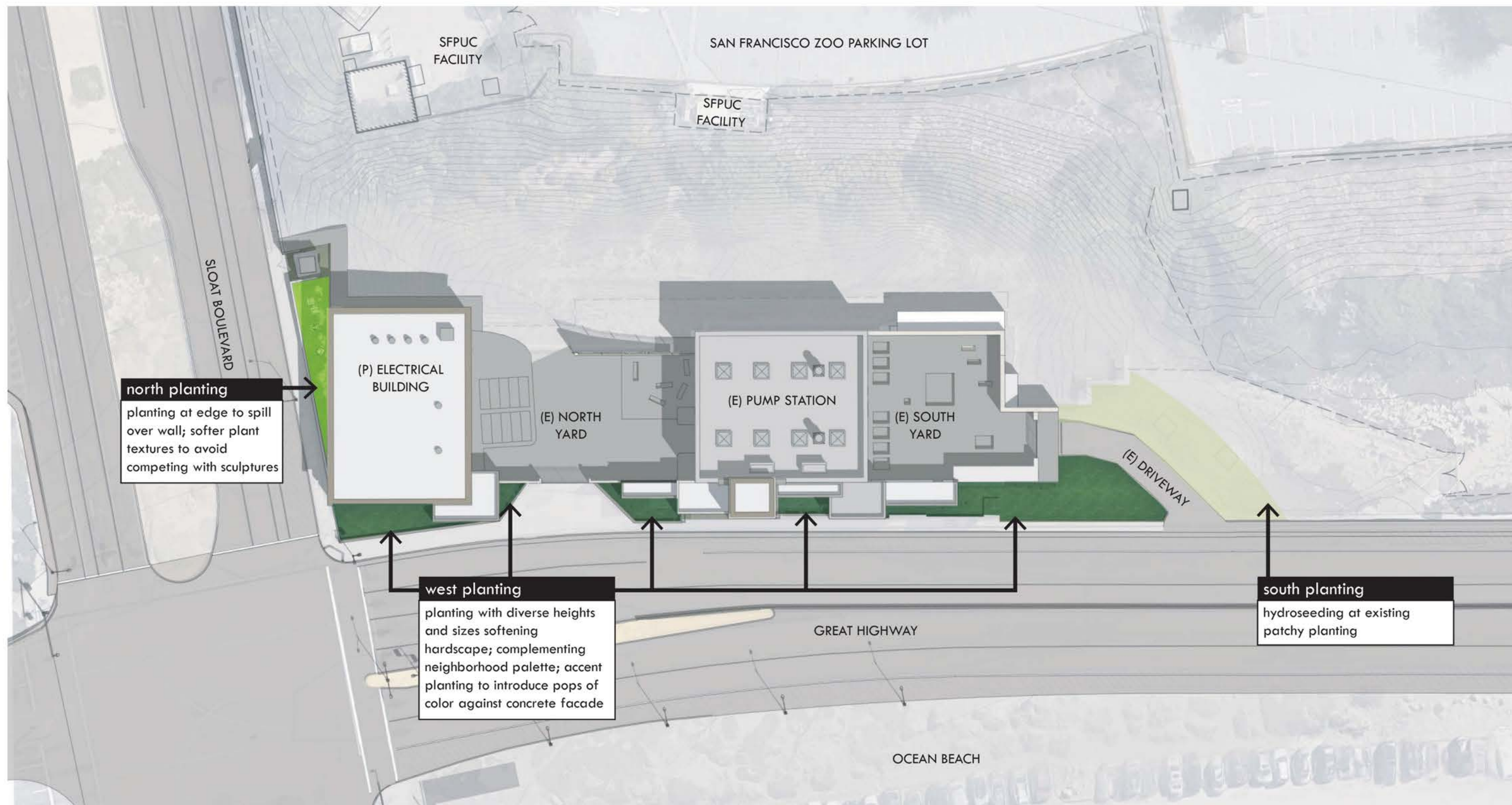
Photos of Existing Site





Proposed Site Plan





CDR Phase 1 Concept Site Plan - Planting  
For Reference Only



WEST PLANTING

TALLER (ABOVE 2FT)



**NEW ZEALAND FLAX**  
*PHORMIUM 'MARGARET JONES'*  
INFREQUENT



**BLUE OAT GRASS**  
*HELICTOTRICHON SEMPERVIRENS*  
SUMMER

MID (1 TO 2FT)



**BLUE CHALK STICKS**  
*SENECIO MANDRALISCAE*  
SUMMER



**SEA LAVENDER**  
*LIMONIUM CALIFORNICUM*  
LATE SUMMER-EARLY WINTER



**CORAL ALOE**  
*ALOE STRIATA*  
WINTER-SPRING

LOW (BELOW 1FT)



**ANGELINA STONECROP**  
*SEDUM RUPESTRE 'ANGELINA'*  
SUMMER

NORTH PLANTING

TALLER (ABOVE 2FT)



**LION'S EAR**  
*LEONOTIS LEONURUS*  
SPRING-FALL



**BLUE OAT GRASS**  
*HELICTOTRICHON SEMPERVIRENS*  
SUMMER

MID (1 TO 2FT)



**ROCK PURSLANE**  
*CALINDRINIA GRANDIFLORA*  
SUMMER

LOW (BELOW 1FT)

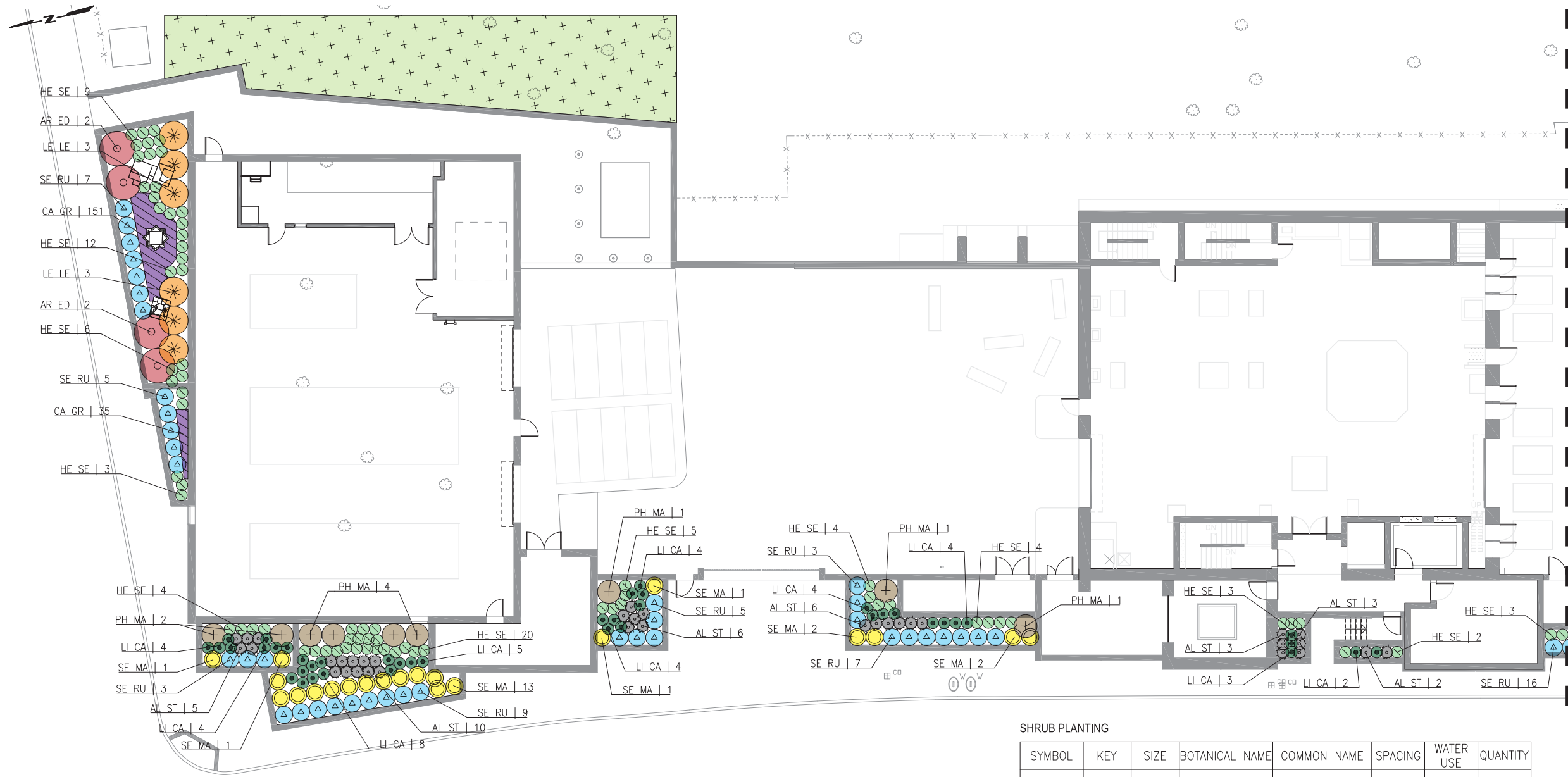


**ANGELINA STONECROP**  
*SEDUM RUPESTRE 'ANGELINA'*  
SUMMER



**LITTLE SUR MANZANITA**  
*ARCTOSTAPHYLOS EDMUNDSII*  
WINTER-SPRING





#### SHRUB PLANTING

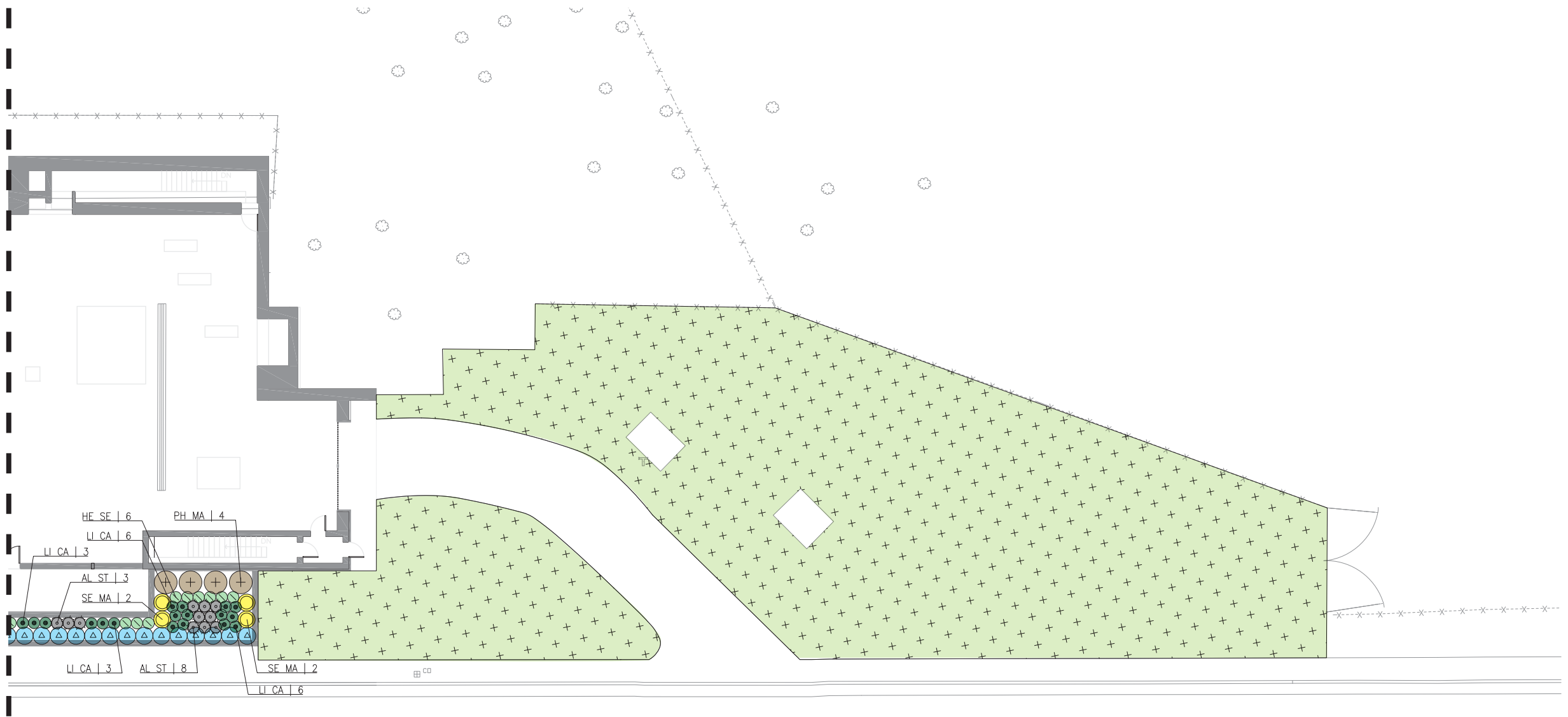
SYMBOL	KEY	SIZE	BOTANICAL NAME	COMMON NAME	SPACING	WATER USE	QUANTITY
	AL ST	5 GAL	ALOE STRIATA	CORAL ALOE	24" O.C.	L	46
	AR ED	5 GAL	ARCTOSTAPHYLOS EDMUNDsii	LITTLE SUR MANZANITA	72" O.C.	L	4
	CA GR	5 GAL	CALANDRINIA GRANDIFLORA	ROCK PURSLANE	9" O.C.	L	186
	LE LE	5 GAL	LEONOTIS LEONURUS	LION'S EAR	60" O.C.	L	6
	LI CA	5 GAL	LIMONIUM CALIFORNICUM	SEA LAVENDER	24" O.C.	M	60
	HE SE	5 GAL	HELICOTRICHON SEMPERVIRENS	BLUE OAT GRASS	24" O.C.	L	84
	PH MA	5 GAL	PHORMIUM 'MARGARET JONES'	NEW ZEALAND FLAX	48" O.C.	M	13
	SE RU	5 GAL	SEDUM RUPESTRE 'ANGELINA'	ANGELINA STONECROP	36" O.C.	L	55
	SE MA	5 GAL	SENECIO MANDRALISCAE	BLUE CHALK STICKS	36" O.C.	L	27

HYDROSEED  
AREA: 8,676 SQ FT

Partial Planting Plan - North



SEE PREVIOUS PAGE



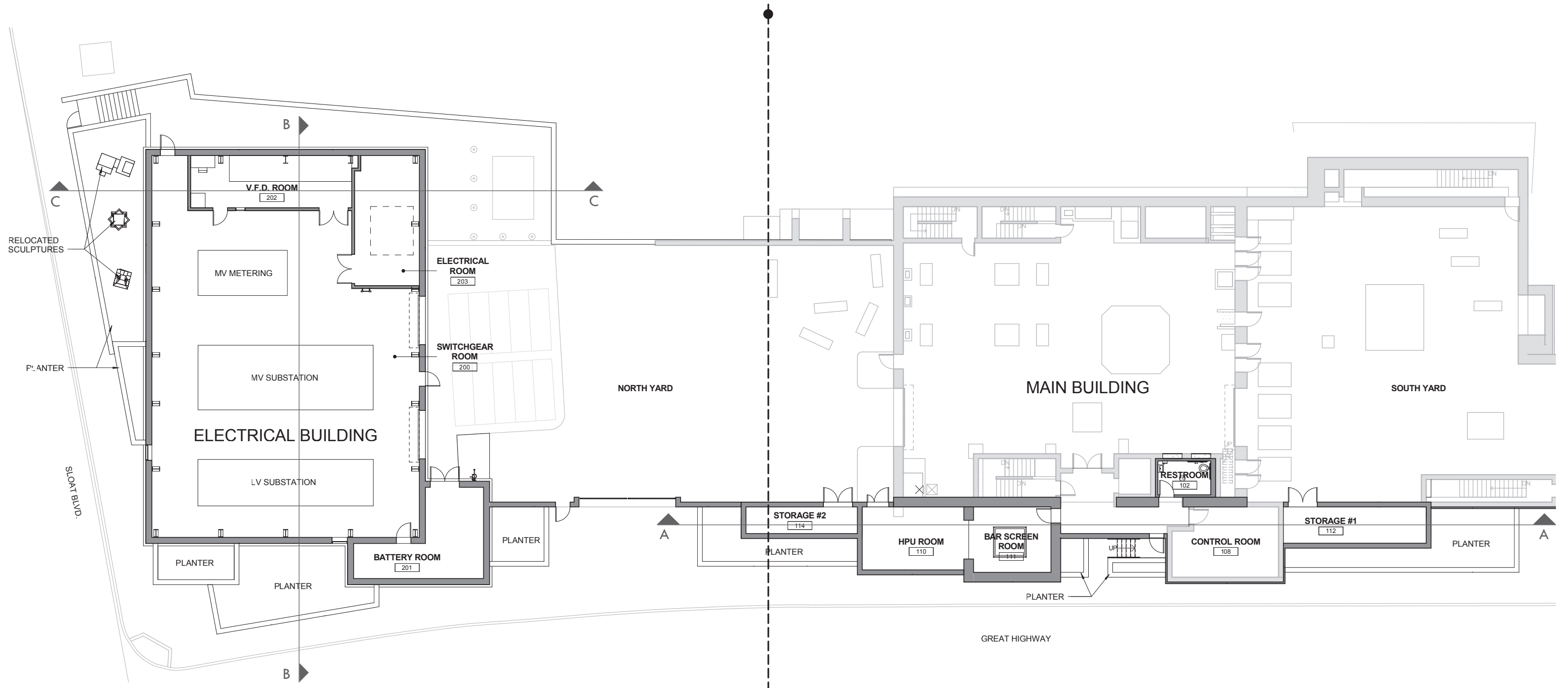
SHRUB PLANTING

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HYDROSEED  
AREA: 8,676 SQ FT

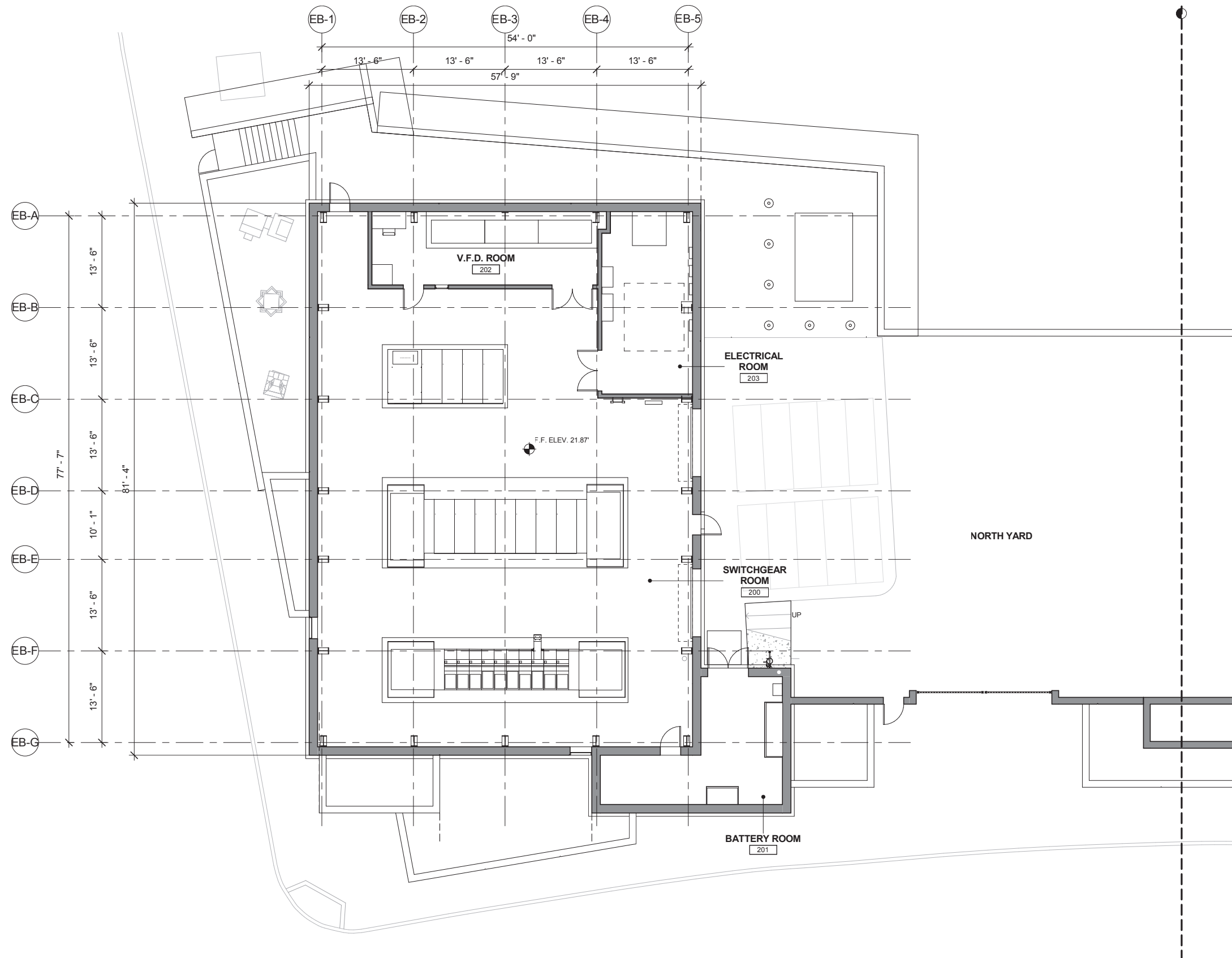
Partial Planting Plan - South





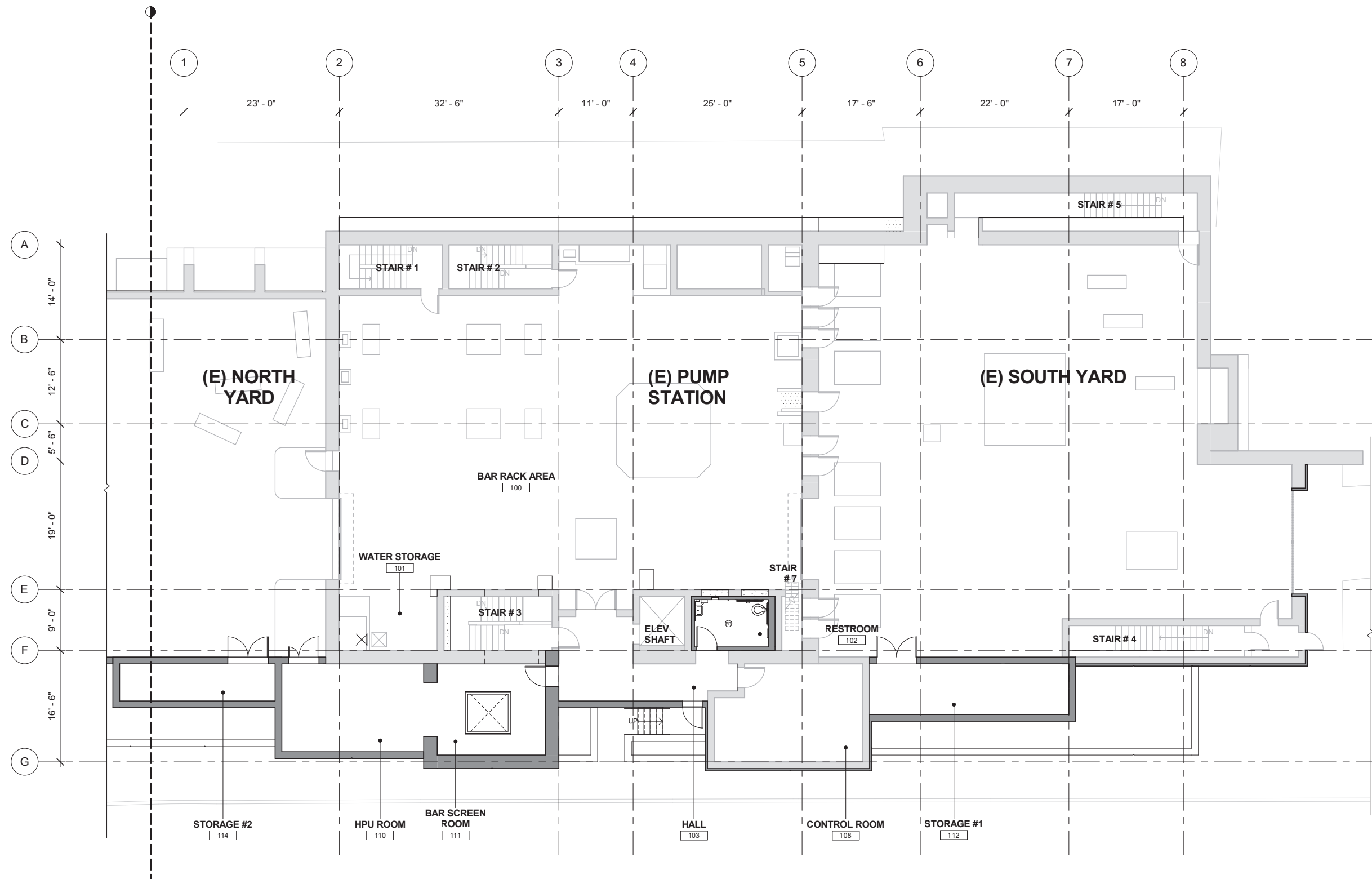
Overall Floor Plan





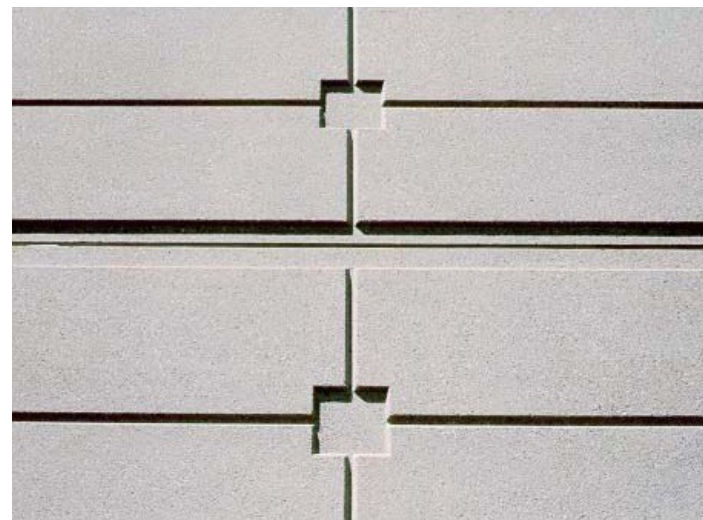
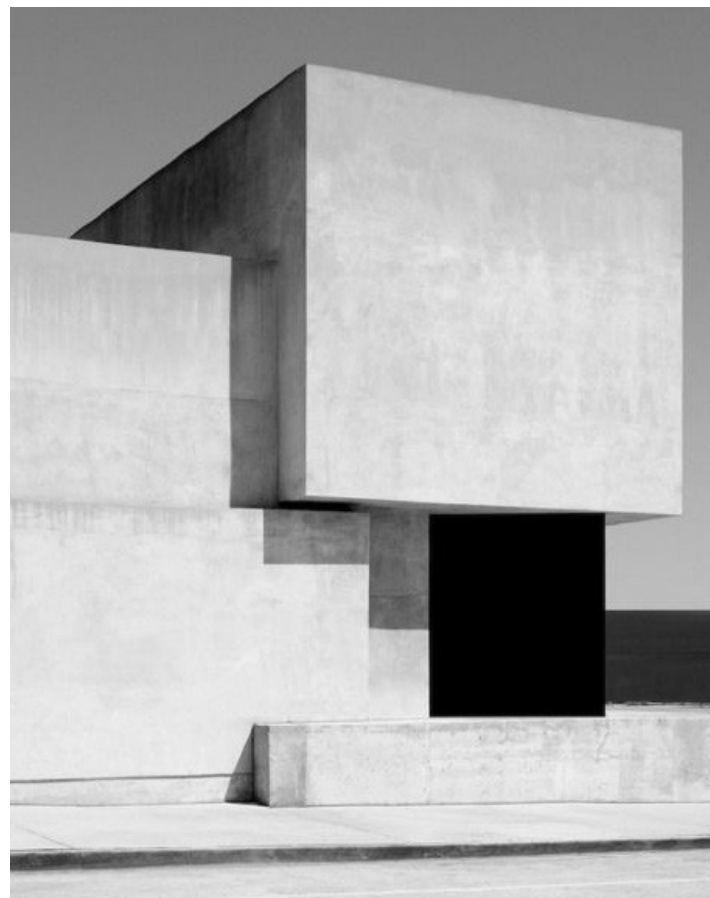
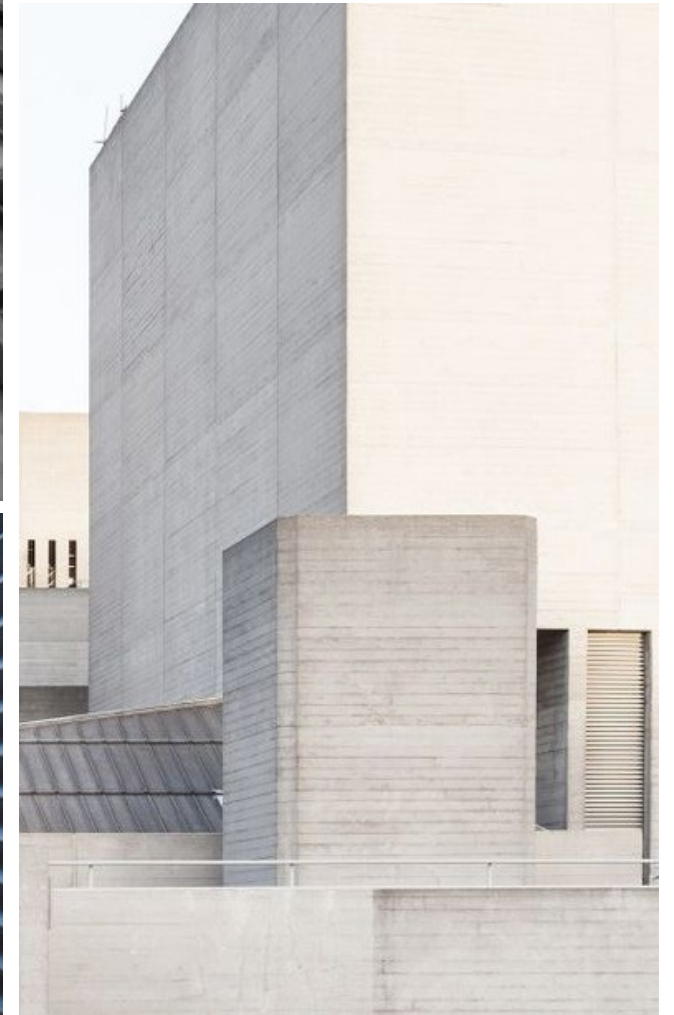
Electrical Building Floor Plan





Main Building Floor Plan





Imagery





Scheme A - Great Highway - Southbound





Scheme A - Great Highway - Northbound





Scheme A - Sloat Boulevard - Eastbound





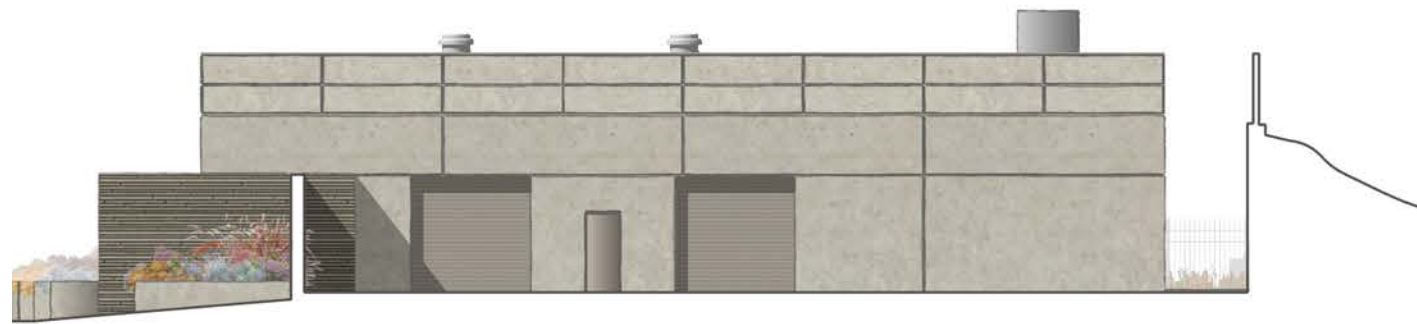
Scheme A - Sloat Boulevard - Westbound





Scheme A - Overall Perspectival Elevation





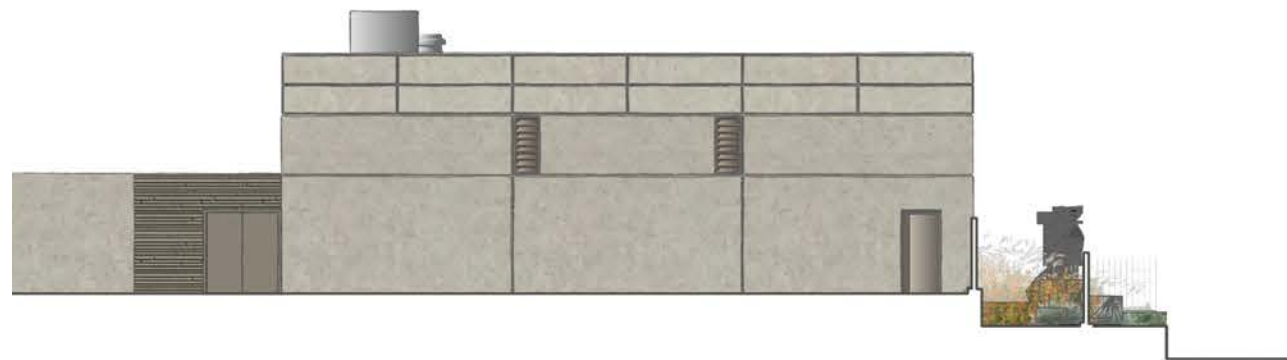
**SOUTH ELEVATION**

ROOF  
20'-2"

LEVEL 1  
0'-0"



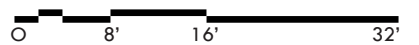
**WEST ELEVATION**



**EAST ELEVATION**

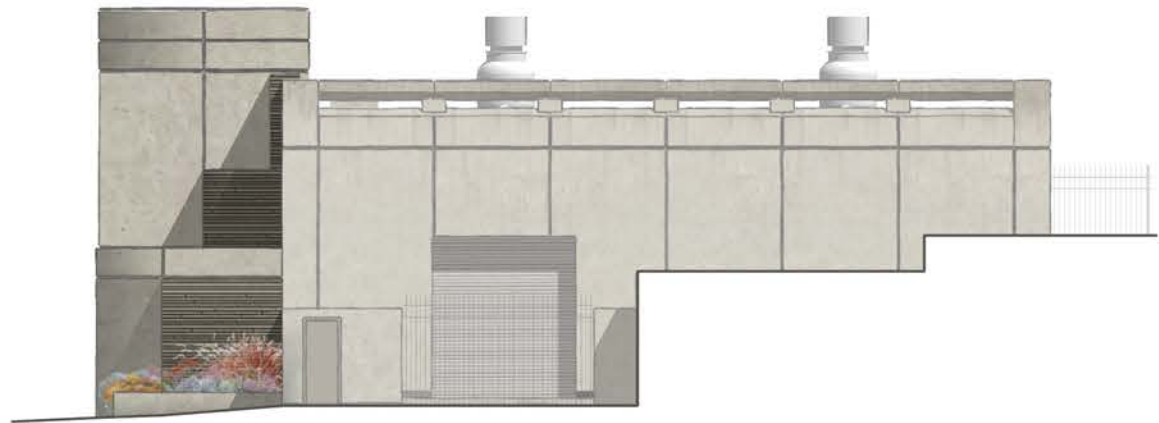


**NORTH ELEVATION**

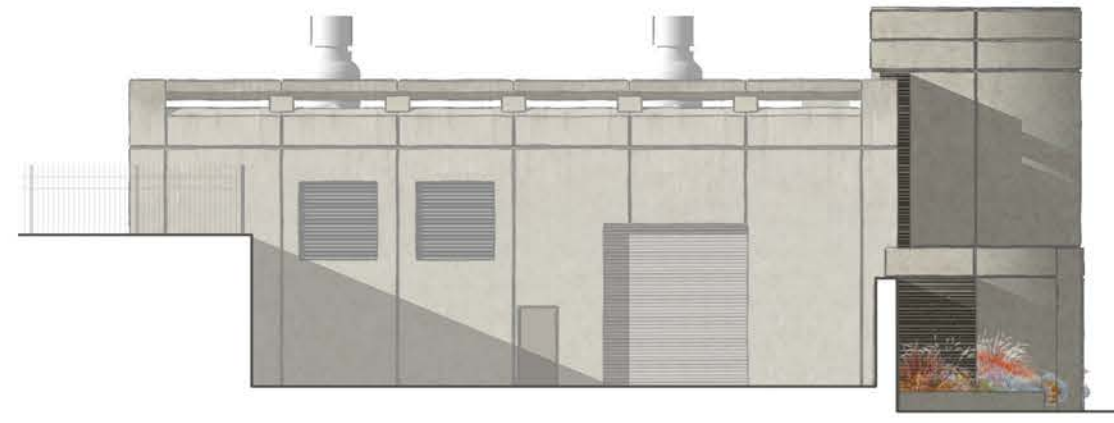


Scheme A - Electrical Building Elevations





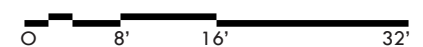
**SOUTH ELEVATION**



**NORTH ELEVATION**

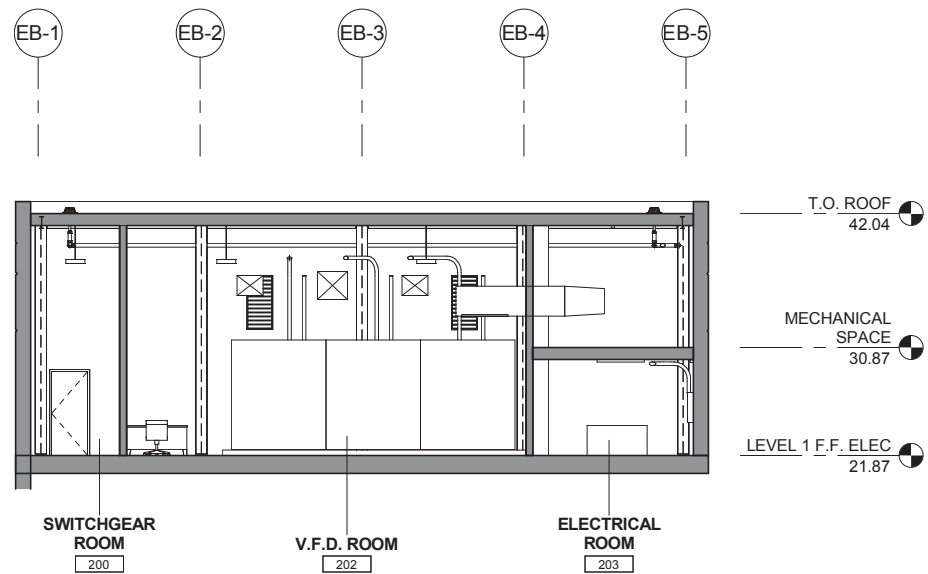


**WEST ELEVATION**

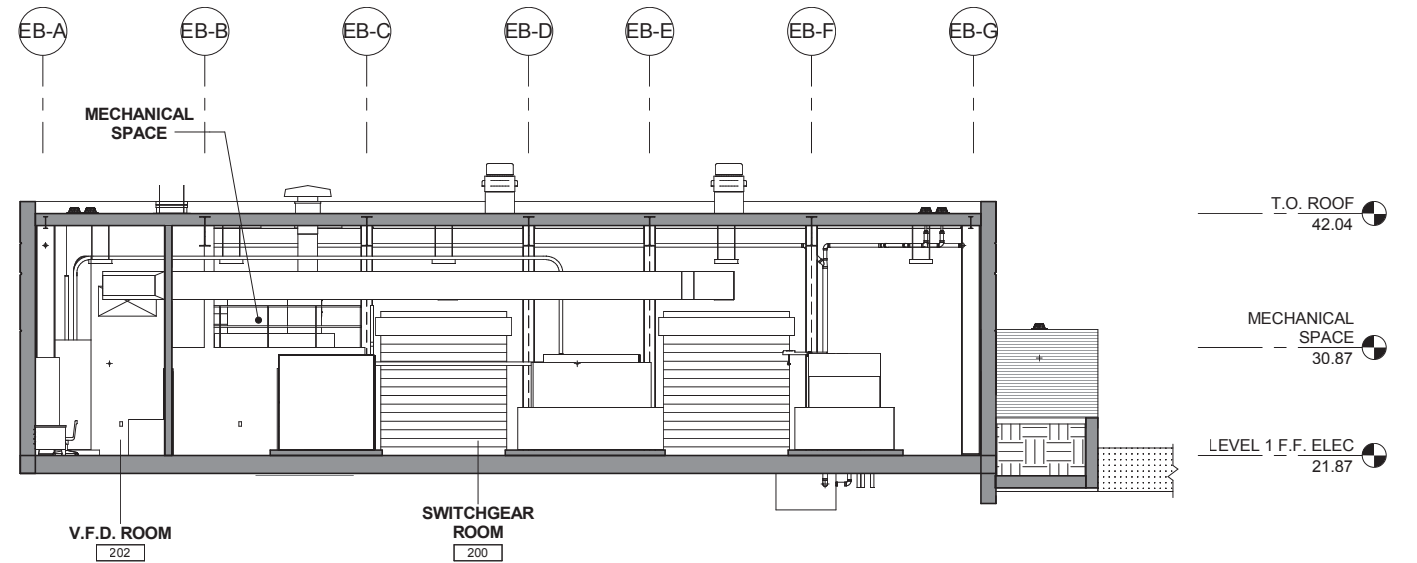


Scheme A - Main Building Elevations

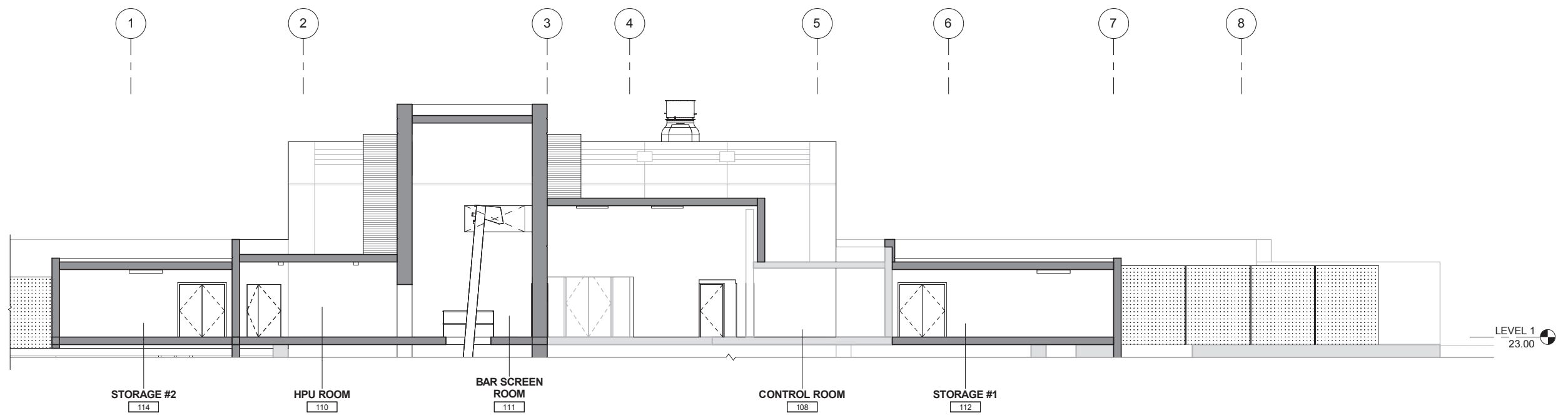




3 ELECTRICAL BUILDING SECTION C-C  
1/8" = 1'-0"



2 ELECTRICAL BUILDING SECTION B-B  
1/8" = 1'-0"

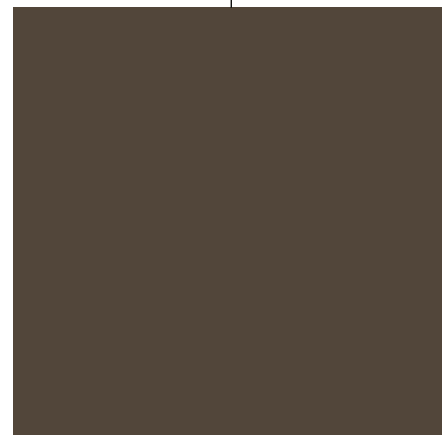
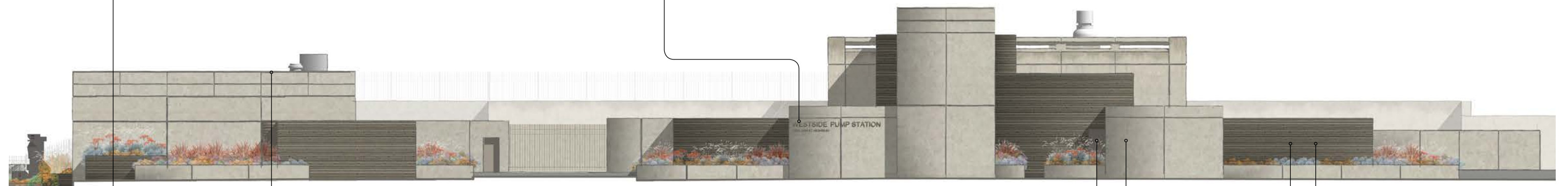


1 MAIN BUILDING SECTION A-A  
1/8" = 1'-0"





**DIMENSIONAL METAL SIGNAGE**  
PIN-MOUNTED



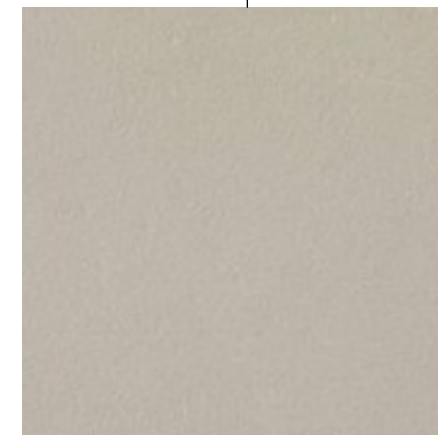
**METAL COLOR 3**  
TNEMEC WEATHERED BARK 84BR



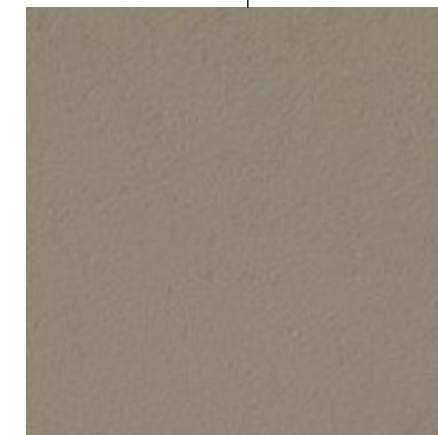
**METAL COLOR 2**  
TNEMEC KINDLING 81BR



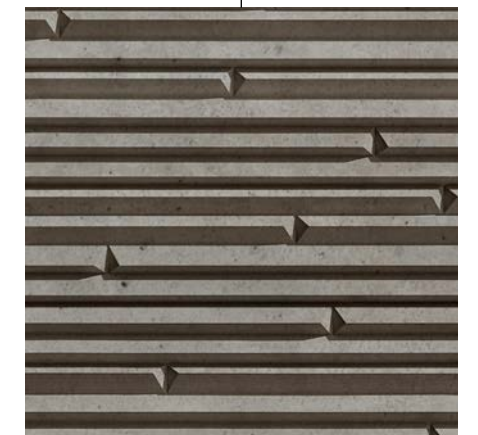
**METAL COLOR 1**  
TNEMEC KINDLING 83BR



**CONCRETE COLOR 1**  
DAVIS COLORS SANDSTONE 5237



**CONCRETE COLOR 2**  
DAVIS COLORS ADOBE 61078



**CONCRETE FORMLINER**  
US FORMLINER RECKLI 2/236 CALIFORNIA

Materials and Signage