



Civic Design Review Phase 2

Westside Recycled Water Project

Oceanside WPCP, San Francisco

November 17, 2014

Civic Design Review Phase 2

Westside Recycled Water Project

Project Objective:

The San Francisco Westside Recycled Water Project will design and construct treatment and distribution system facilities required to produce and deliver recycled water to serve irrigation and other non-potable uses in the western area of the City. The use of recycled water will offset the current use of groundwater, and domestic supplies for non-drinking use. The project will serve Golden Gate Park, Lincoln Park Golf Course, and Presidio Trust Properties.

Design Constraints:

The new recycled water facility must fit into the existing Oceanside Water Treatment Plant. Impact to the existing water treatment facility is to be minimized. The existing plant is contained within 45' high retaining walls that visually screen the plant from the surroundings. These retaining walls will limit access to service and replace equipment. Equipment replacement on the 2nd floor will require the use of a crane from a second story exterior landing.

Building Solution:

A 26,700 sq. ft. two story structure located at the northeast corner of the existing administration building. The second floor will be aligned with the existing promenade. A north/south service corridor will be used to access equipment. The west elevation will consist of a removable wall system for access to the microfiltration and reverse osmosis units.

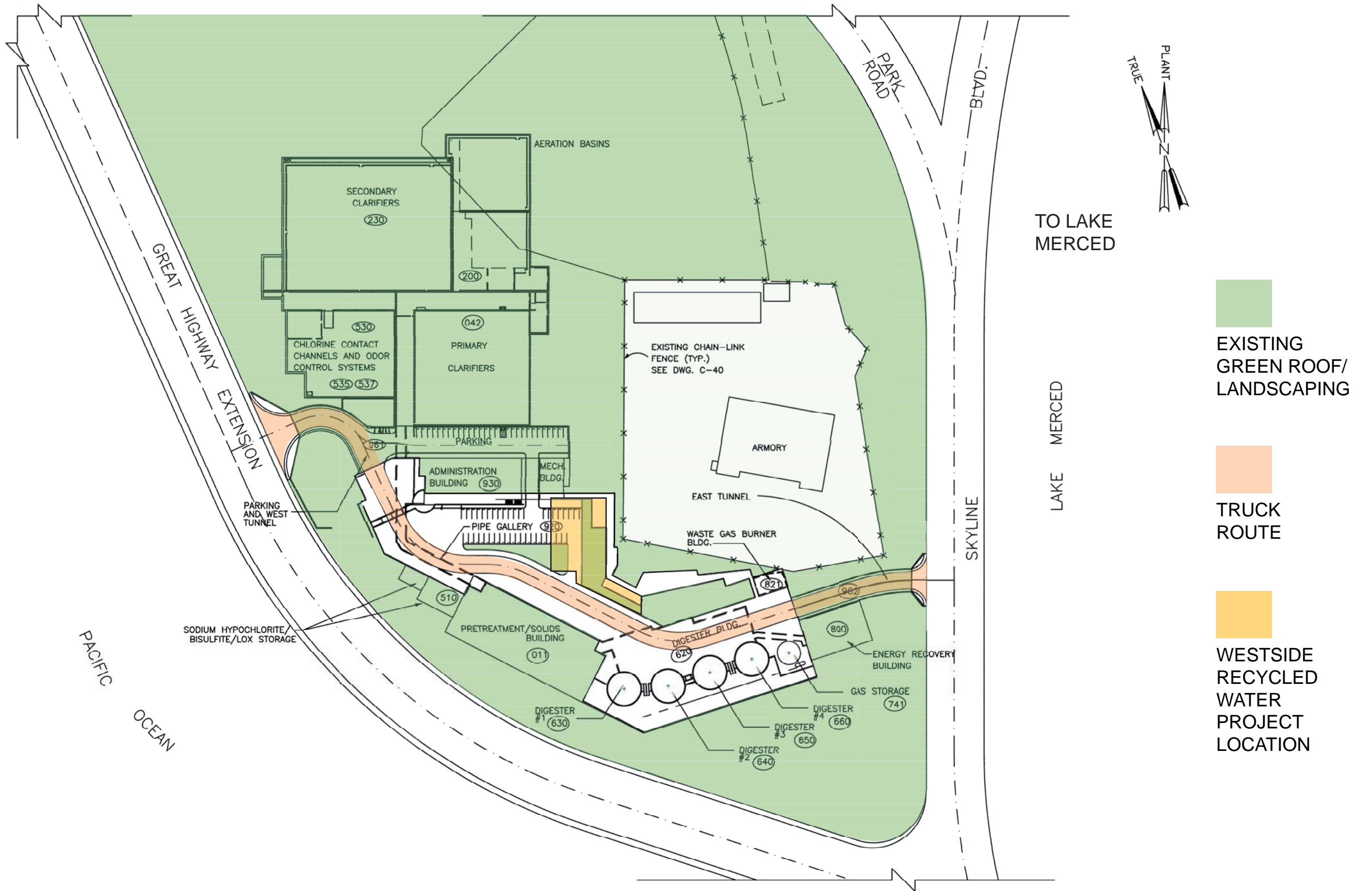
Building/Landscape Design Objectives:

Transparency in Water Conservation Processes: The new structure will emerge from the existing promenade and culminate into a westward translucent wall that silhouettes water recycling mechanics. Removable light transmission panels will be provided in the west elevation for the replacement of reverse osmosis and microfiltration skids. Building design and aesthetics will be contemporary in harmony with the existing treatment Plant. The new structures will be reinforced concrete and glass. Material will be corrosive resistant. A green roof will enhance LEED aspects of the project and fit into the existing OWPCP. Water treatment educational display panels can be provided at the site for tours.









- EXISTING GREEN ROOF/ LANDSCAPING
- TRUCK ROUTE
- WESTSIDE RECYCLED WATER PROJECT LOCATION







TRUCK ROUTE

ENTRY & EXIT

WESTSIDE RECYCLED WATER PROJECT LOCATION



BUILDING DESIGN & CONSTRUCTION
 S.F. DEPARTMENT OF PUBLIC WORKS
 ARCHITECTURE









MECHANICAL EQUIPMENT

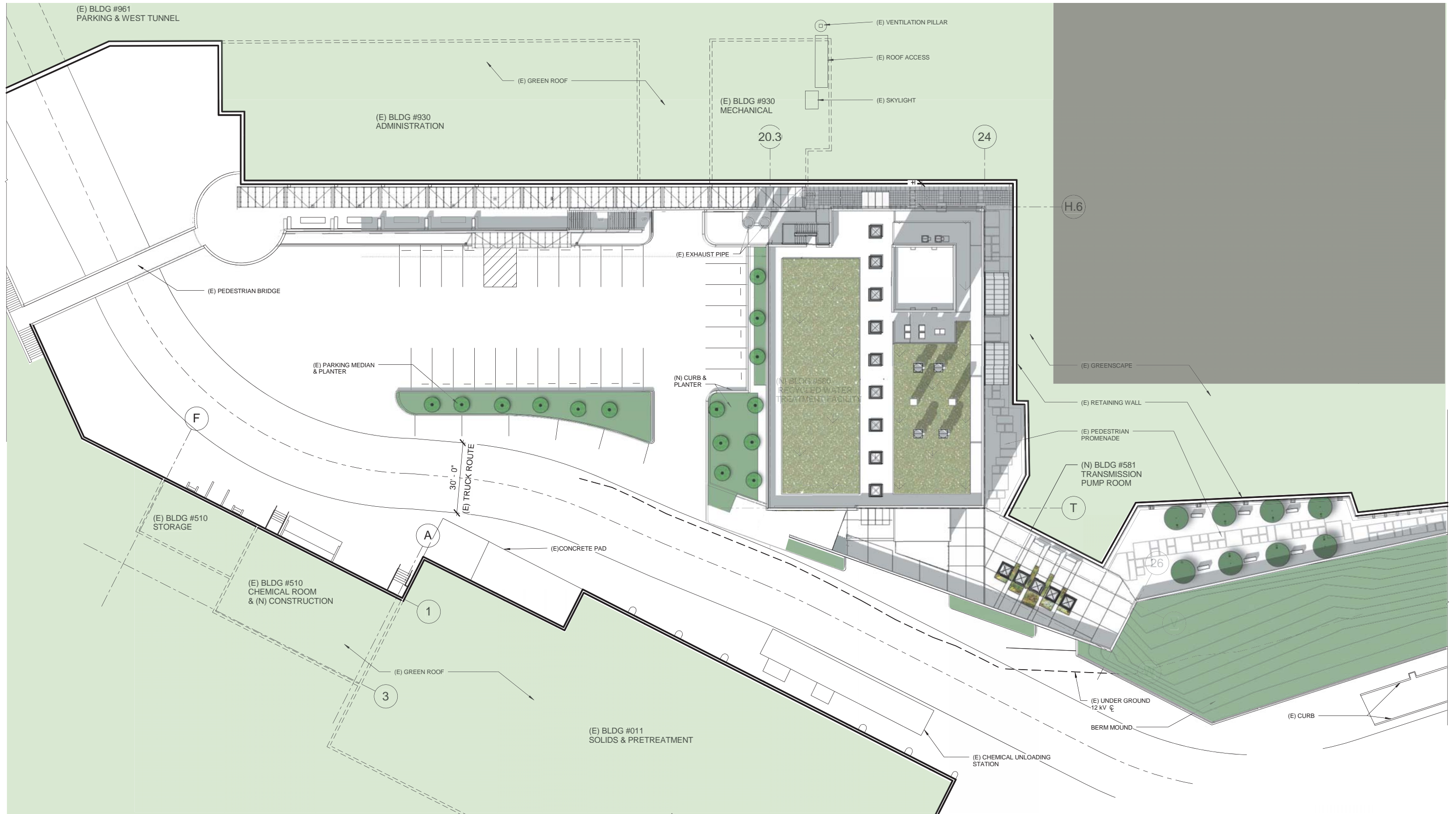
CIRCULATION

CONTROL ROOM

VIEWS FROM CONTROL ROOM

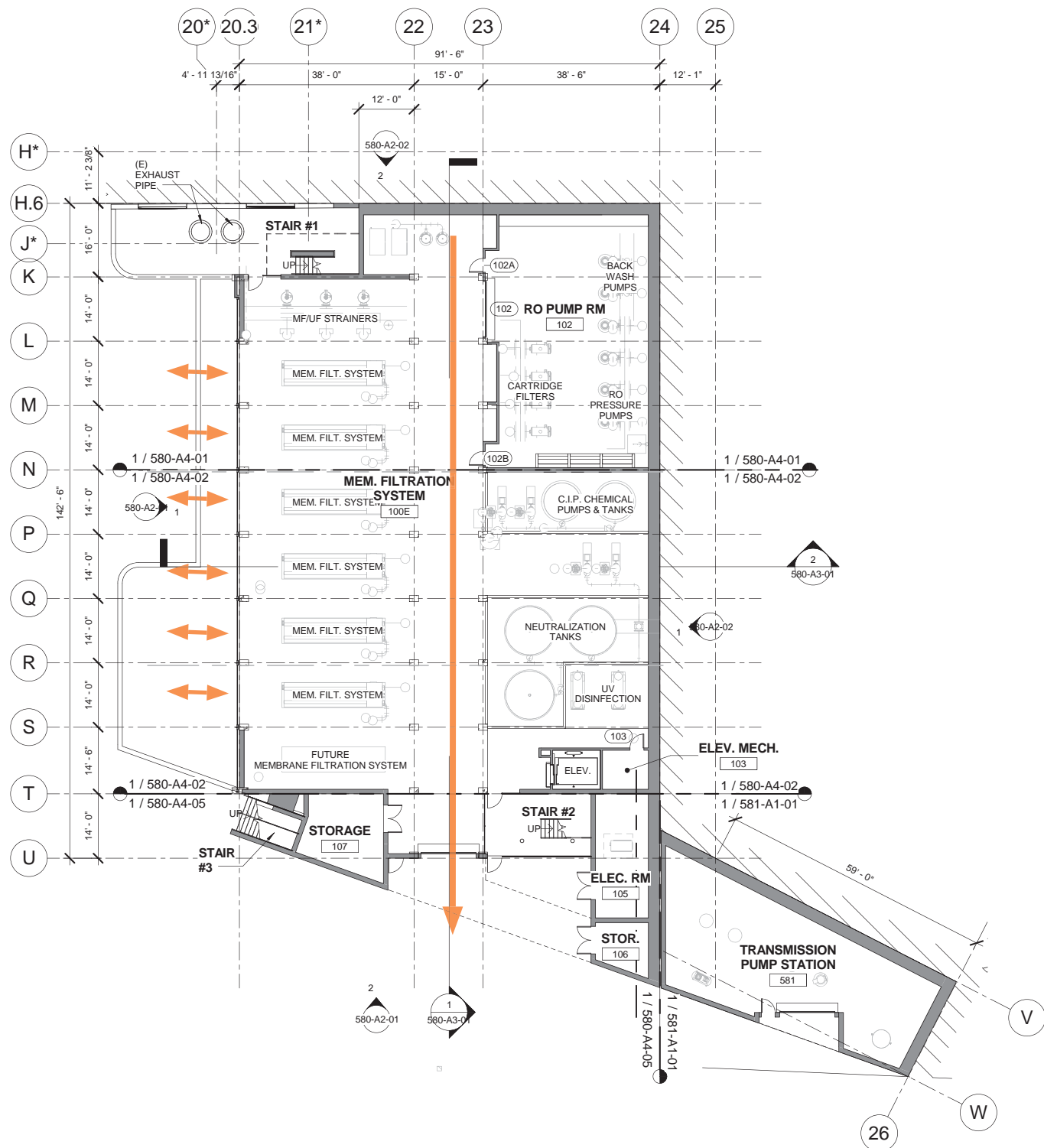
ENTRY & EXIT



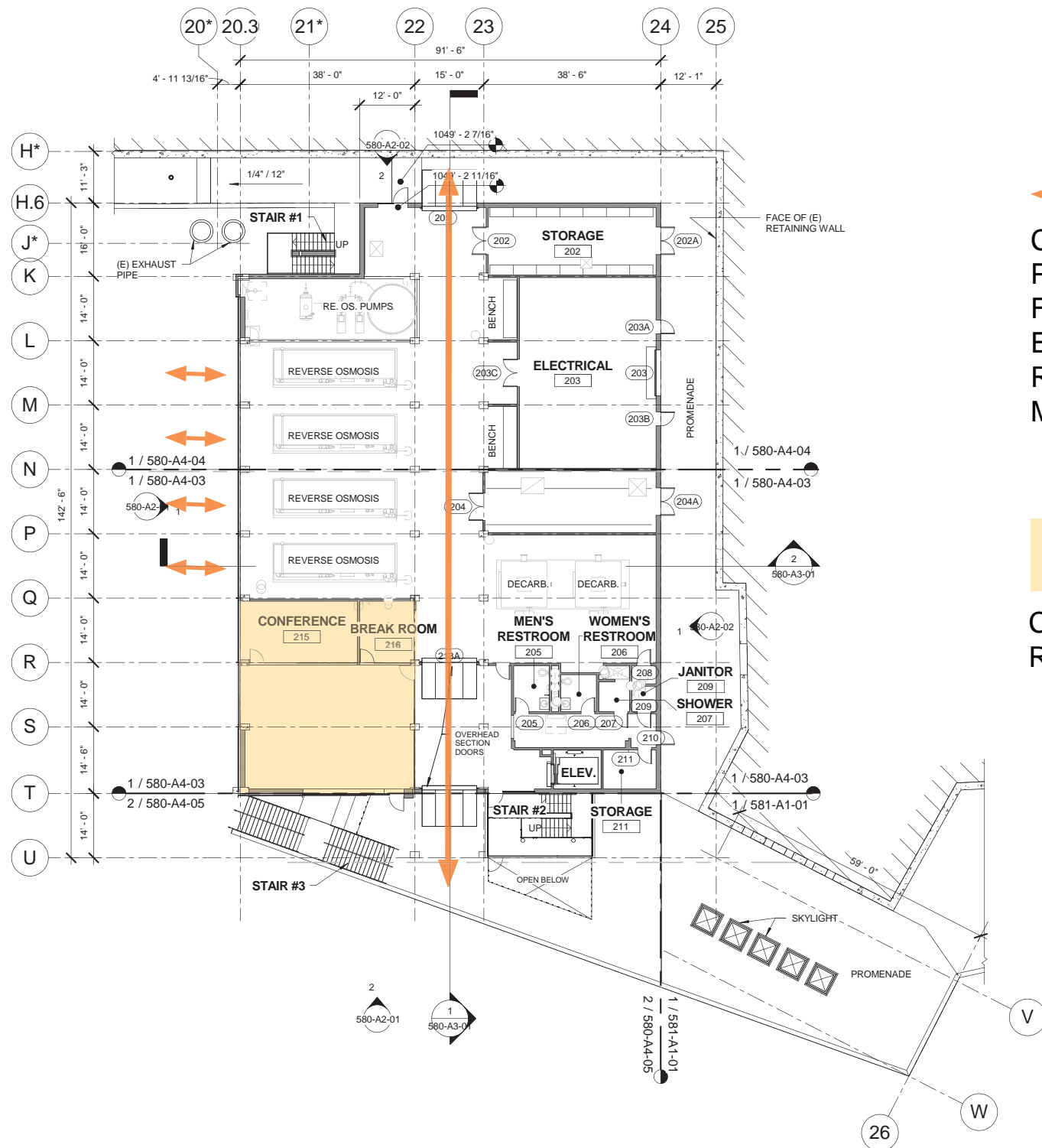


1 SITE PLAN
1/16" = 1'-0"





1 LEVEL 1 - FLOOR PLAN
1/16" = 1'-0"



2 LEVEL 2 - FLOOR PLAN
1/16" = 1'-0"

← →
CLEARANCE
PATH
FOR
EQUIPMENT
REMOVAL/
MINTENANCE

■
CONTROL
ROOM

Civic Design Review Phase 1

Westside Recycled Water Project



PHASE 1
Iteration 6.1c.6



BUILDING DESIGN & CONSTRUCTION
S.F. DEPARTMENT OF PUBLIC WORKS
A R C H I T E C T U R E

Westside Recycled Water Project | Oceanside WPCP, San Francisco | Civic Design Review Phase 2 | November 17, 2014

Motion to approve contingent upon:

- (1) eliminating the door on the second floor
- (2) using small horizontal sunshades on the control room on the south façade rather than the more expensive electrochromatic glass
- (3) eliminating bumps and jogs on the south stairway
- (4) eliminating the “water drop” wall
- (5) on the west façade, keeping the parapet flush with the two wingwalls
- (6) using the façade treatment detailed in drawing 6.1c.6
- (7) supplying more detail on the landscape plan



PHASE 1
Iteration 6.1c.7



BUILDING DESIGN & CONSTRUCTION
S.F. DEPARTMENT OF PUBLIC WORKS
A R C H I T E C T U R E

Westside Recycled Water Project | Oceanside WPCP, San Francisco | Civic Design Review Phase 2 | November 17, 2014

Civic Design Review Phase 2

Westside Recycled Water Project

Major Design Changes

- (1) Eliminated “water drop” wall
- (2) Developed landscape plan and details
- (3) Wrapped channel glass around south-west façade

Proposed Scheme

Vertical Channel Glass
One South Stair - (Interior Only)

Alternate Scheme

Vertical Channel Glass
Two South Stairs - (Exterior + Interior)

Alternate Scheme

Horizontal Channel Glass
One South Stair - (Interior Only)













PROPOSED SCHEME Vertical Channel Glass | One South Stair - (Interior Only)



ALTERNATE SCHEME Vertical Channel Glass | Two South Stairs - (Interior + Exterior)





PROPOSED SCHEME Vertical Channel Glass | One South Stair - (Interior Only)



ALTERNATE SCHEME Horizontal Channel Glass | One South Stair - (Interior Only)



BUILDING DESIGN & CONSTRUCTION
 S.F. DEPARTMENT OF PUBLIC WORKS
 A R C H I T E C T U R E



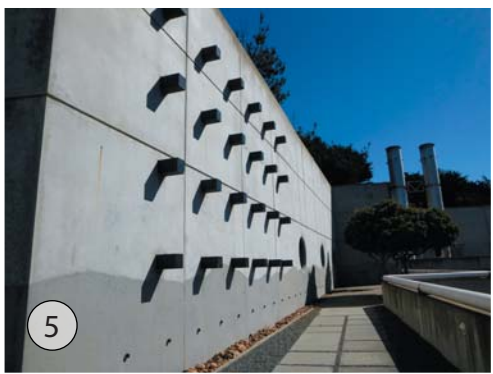
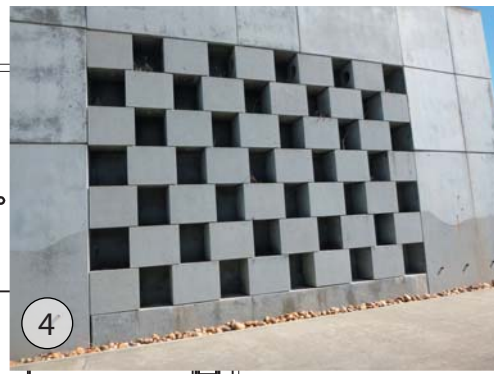
PROPOSED SCHEME Vertical Channel Glass | One South Stair - (Interior Only)



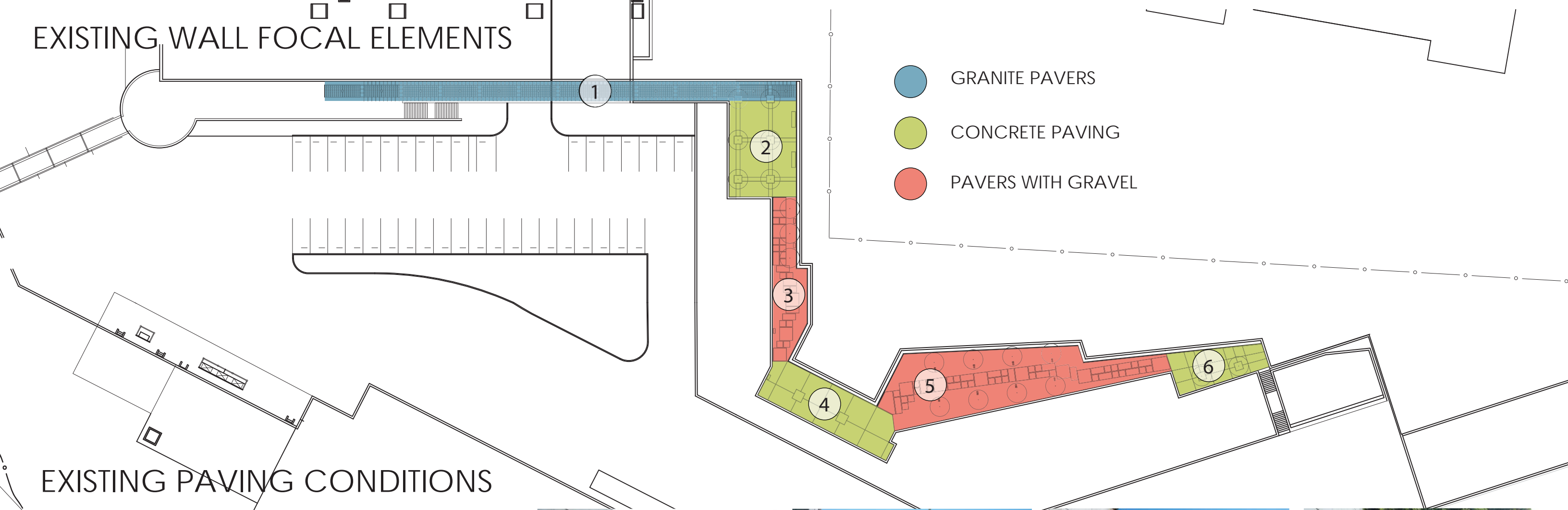
ALTERNATE SCHEME Vertical Channel Glass | Horizontal Concrete Band



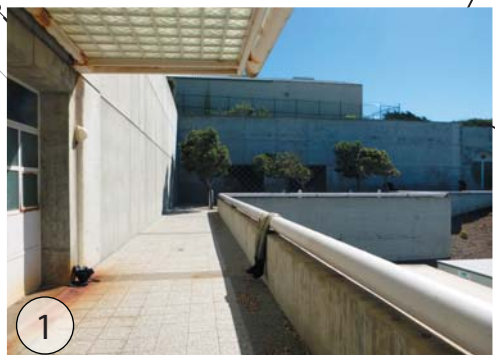
BUILDING DESIGN & CONSTRUCTION
S.F. DEPARTMENT OF PUBLIC WORKS
A R C H I T E C T U R E



EXISTING WALL FOCAL ELEMENTS

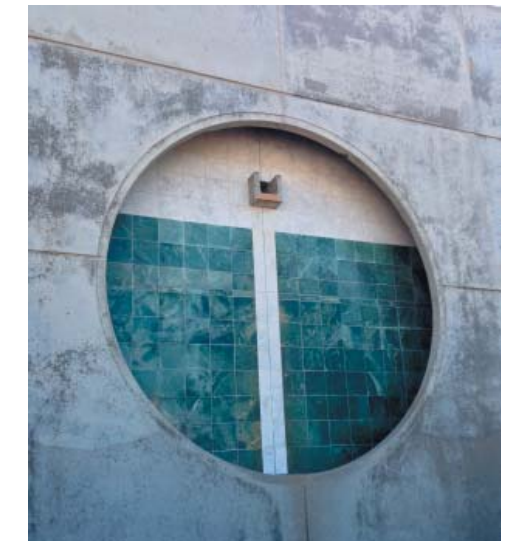
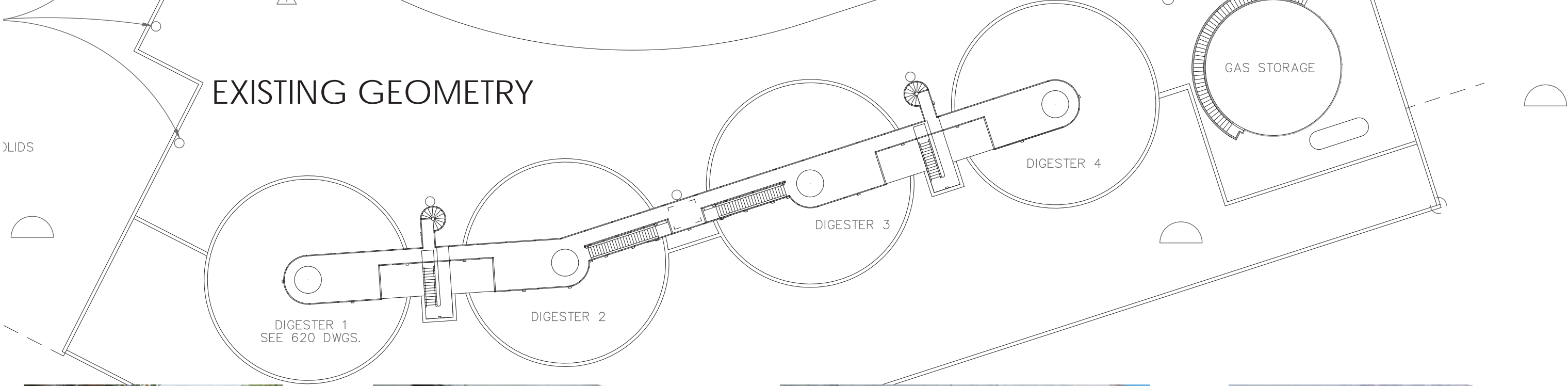


EXISTING PAVING CONDITIONS

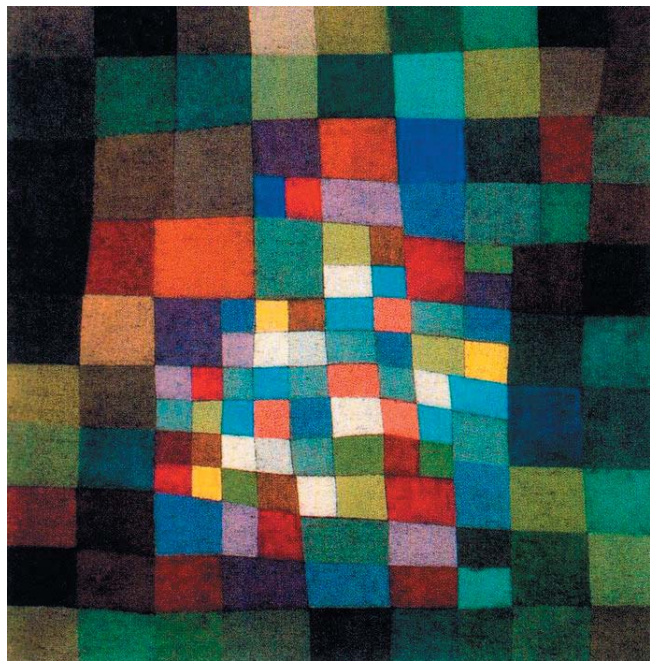




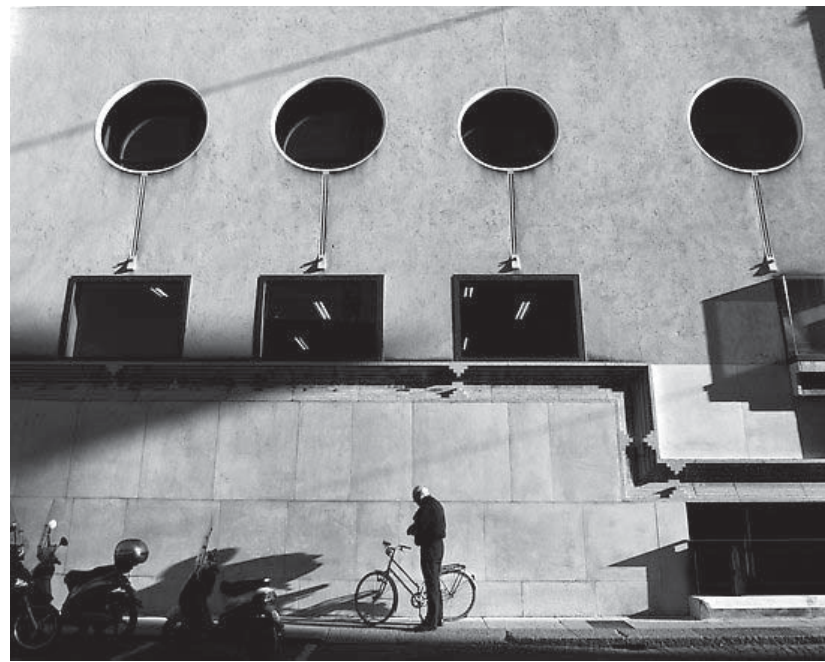
EXISTING GEOMETRY



BUILDING DESIGN & CONSTRUCTION
S.F. DEPARTMENT OF PUBLIC WORKS
ARCHITECTURE



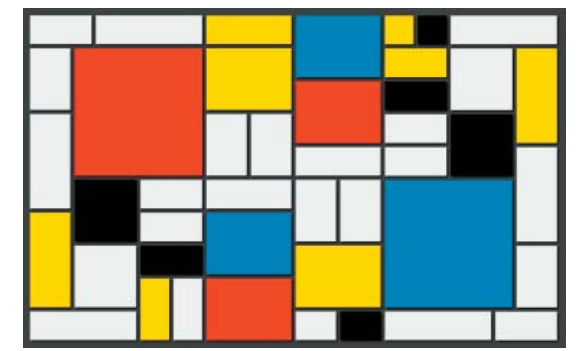
IN THE DESERT, PAUL KLEE



BPV BUILDING, CARLO SCARPA



BRION CEMETARY, CARLO SCARPA



PIET MONDRIAN

INSPIRATION



WIND VEIL, NED KHAN



MORRO BAY RESIDENCE



WEST CAPITOL AVENUE, WEST SACRAMENTO

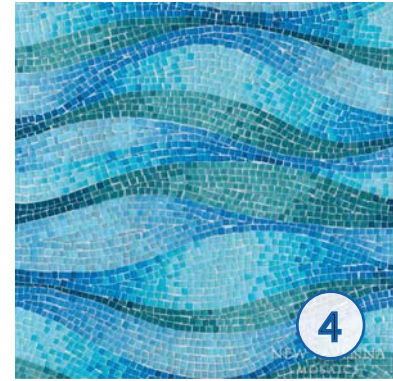
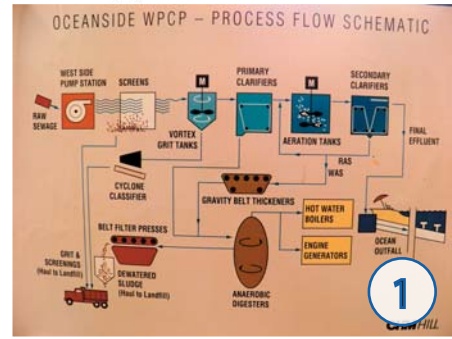
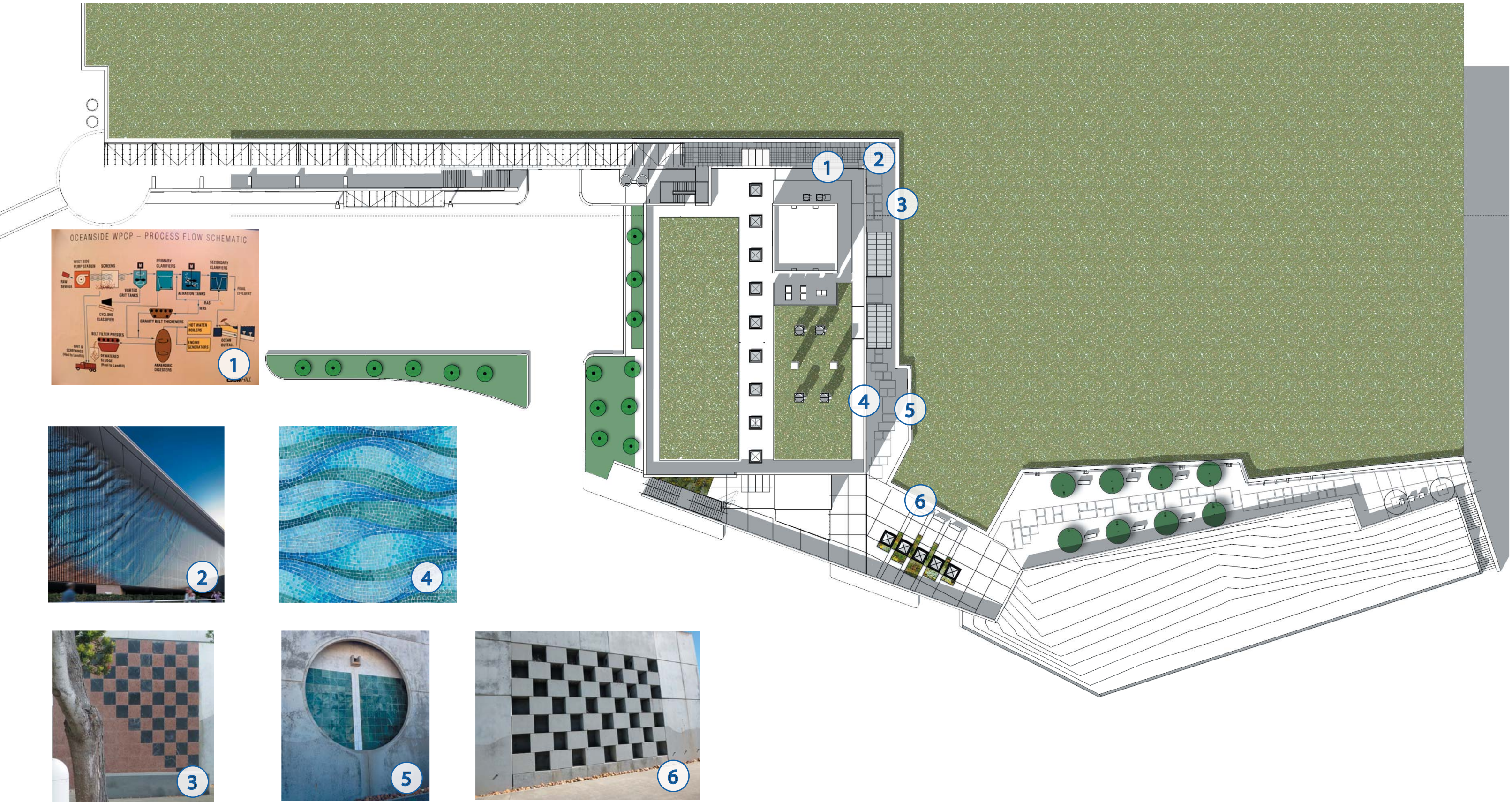


OLIVETTI CARLO SCARPA



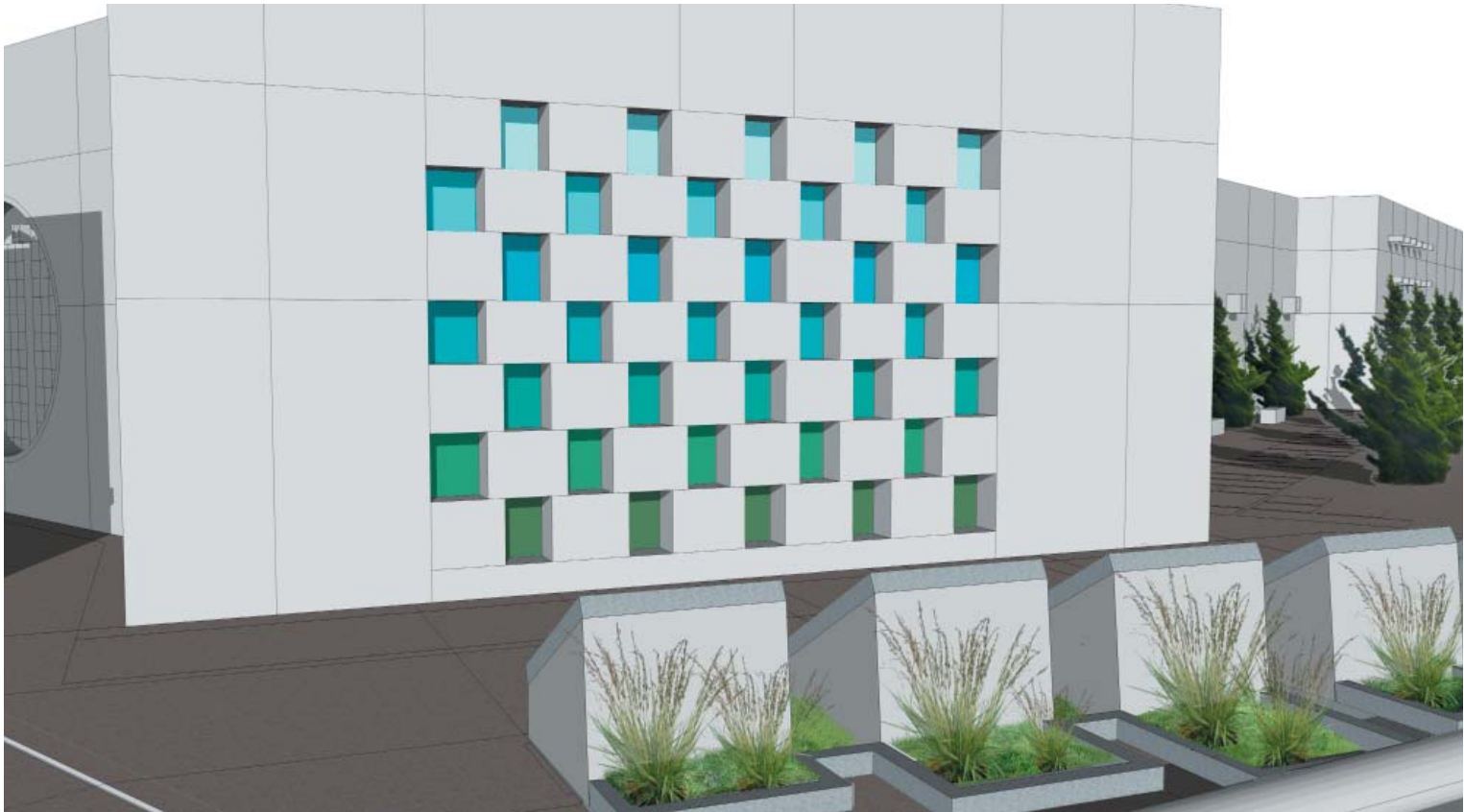
FOCAL ELEMENTS - EXISTING AND PROPOSED

Elements on the wall that reference the stages of the water treatment process.



BUILDING DESIGN & CONSTRUCTION
S.F. DEPARTMENT OF PUBLIC WORKS
ARCHITECTURE

FOCAL ELEMENT #6 OPTIONS





1



4



7



2



5



8



3



6



9

PLANT PALETTE - ROOF

- 1 *Nemophila menziesii*
Baby Blue Eyes
- 2 *Festuca idahoensis*
Idaho Fescue
- 3 *Eriophyllum confertiflorum*
Golden Yarrow
- 4 *Stachys bullata*
Hedge Nettle
- 5 *Eschscholzia californica*
California Poppy
- 6 *Dudleya caespitosa*
Sea Lettuce
- 7 *Aster chilensis*
California Aster
- 8 *Erigeron glaucus*
Seaside Daisy
- 9 *Layia platyglossa*
Tidy Tips

Recycled Glass



PLANT PALETTE PARKING LOT OPTION 1

- 1 *Dracaena draco*
Dragon Tree
- 2 *Agave attenuata*
Foxtail Agave



PLANT PALETTE PARKING LOT OPTION 2

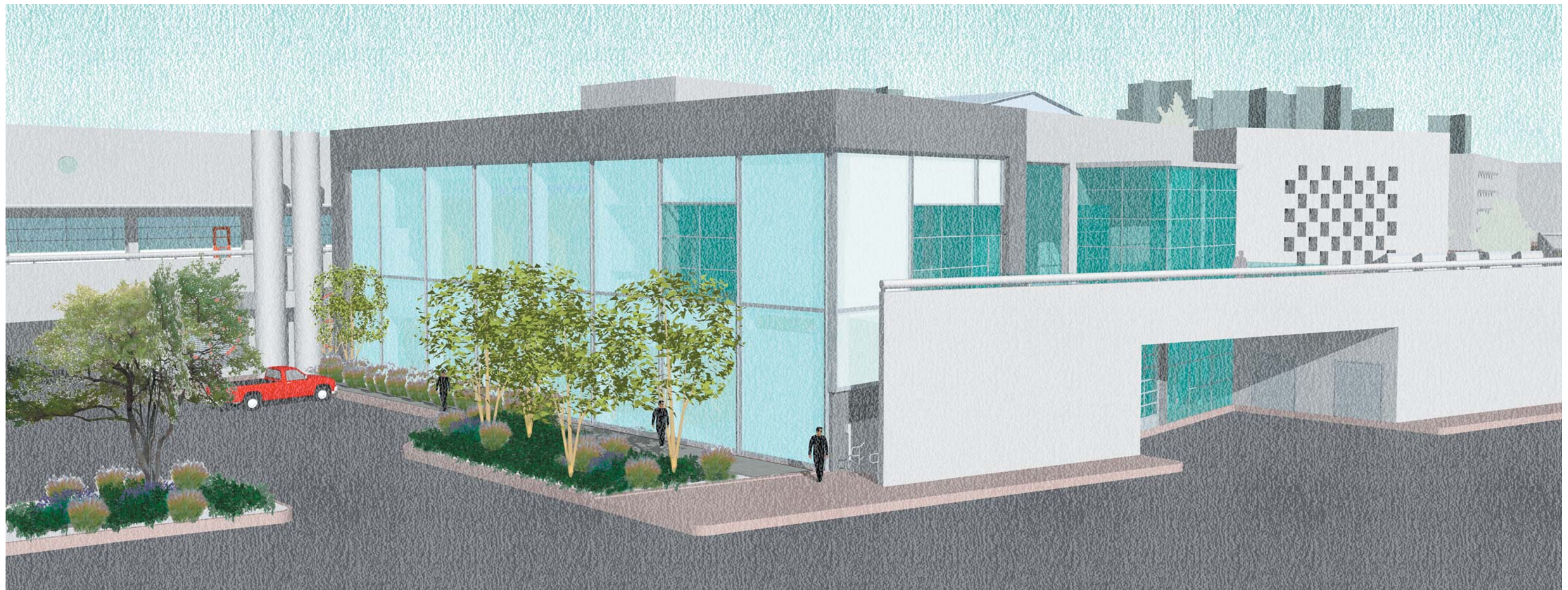
1 *Melaleuca quinquenervia*
Broad-leaved Paperbark

2 *Salvia leucophylla*
Purple Sage

3 *Nassella pulchra*
Purple Needlegrass

4 *Quercus agrifolia*
Coast Live Oak

5 *Arcostaphylos uva ursi* 'Point Reyes'
Bearberry



BUILDING DESIGN & CONSTRUCTION
S.F. DEPARTMENT OF PUBLIC WORKS
ARCHITECTURE

Westside Recycled Water Project | Oceanside WPCP, San Francisco | Civic Design Review Phase 2 | November 17, 2014