

Mission Creek Estuary Park

Course: LAN 680-Site Planning & Sustainable Design Studio

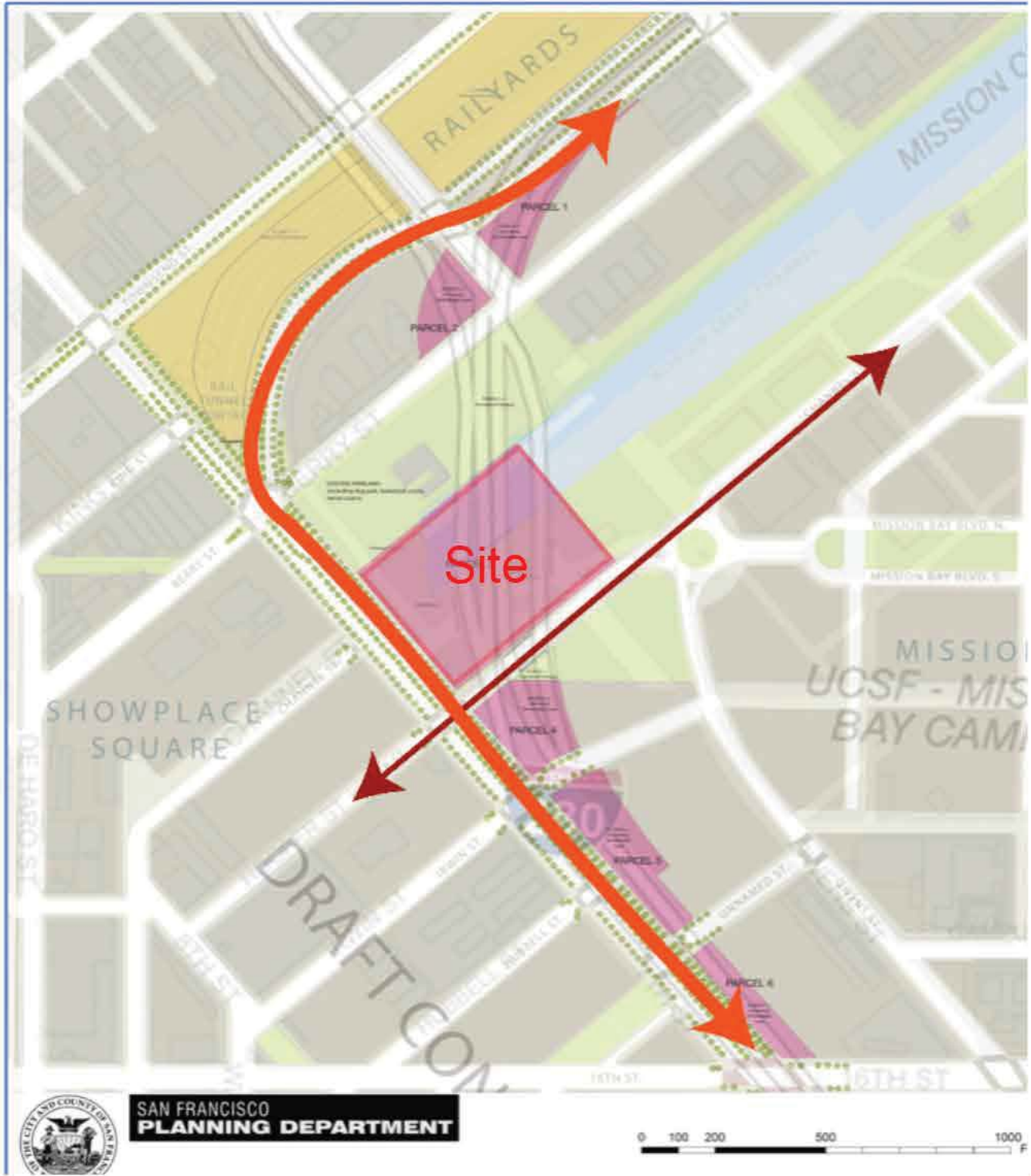
Semester: Fall2016

Instructor: Chih-Wei G.V. Chang

Existing Vehicle Circulation-With I-280



Proposed Vehicle Circulation- Without I-280



Site Issue - Water Quality

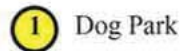


Site Plan

Legend



Entrance



Dog Park



Channel Pump Station



Mission Bay Parks
Maintenance Facility



PUC Rain Garden



Basketball Court



Volleyball Court



Channel Pump Station



Riparian Buffer



Bridge



Kayak Dock



House Boat



Rain Garden



Plaza



Mission Creek Park



0' 50' 100'

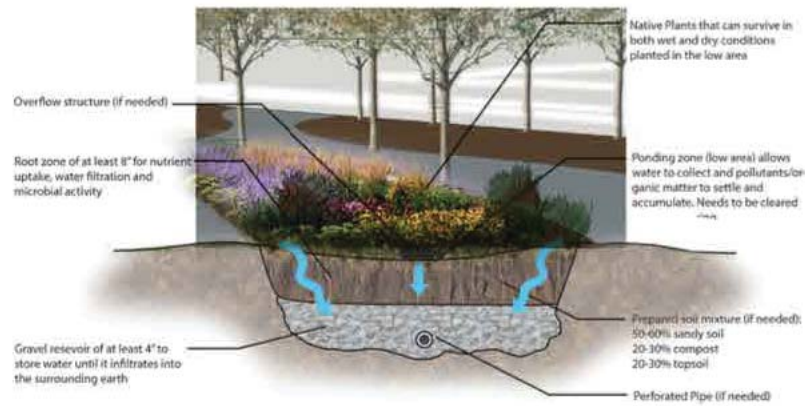
Water direction Contour lines



LID Methods



Repairan Buffer

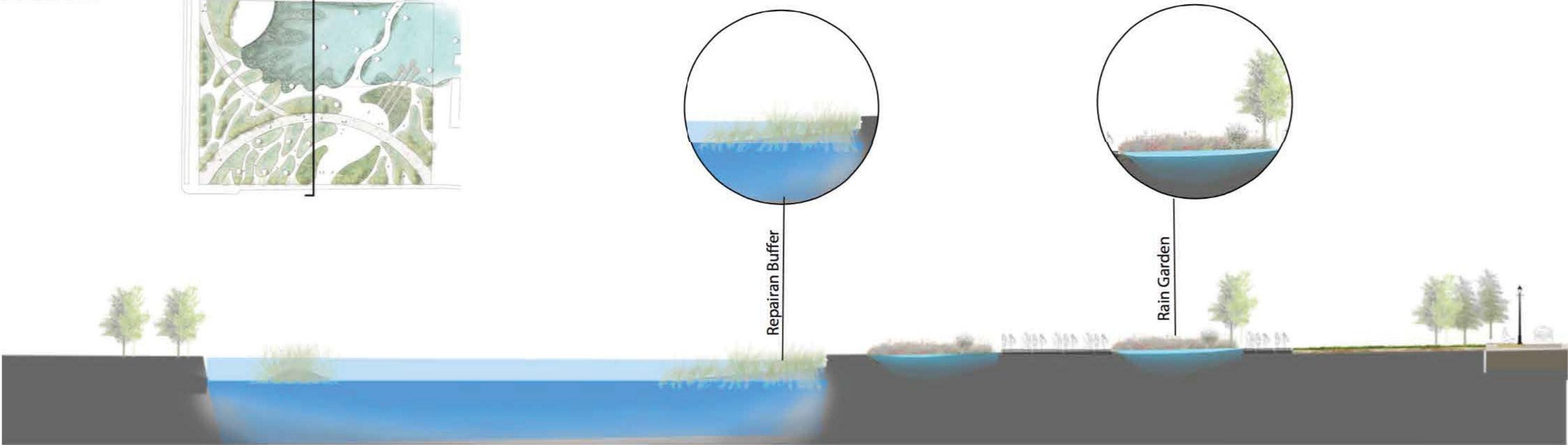
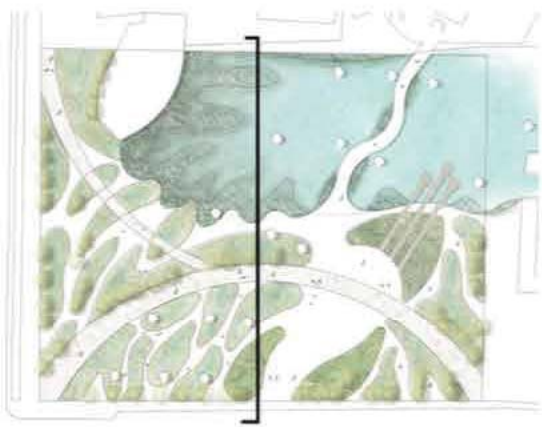


Rain Garden



Permeable Paving

Section



Rain Garden Plants



amsonia blue ice blue star

Irrigation: Medium
Type:Herbaceous perennial
Maintenance: Low



Spring crocus

Irrigation: Medium
Type:Bulb
Maintenance: Low



Osmundo claytoniana,Interrupted Fern

Irrigation: Medium to wet
Type: Fern
Maintenance: Low



Iris versicolor, Blue Flag Iris

Irrigation:Medium to wet
Type: Herbaceous perennial
Maintenance: Low



Ginkgo biloba



Arbutus unedo-strawberry tree

Irrigation: Medium
evergreen multi-stemmed shrub/tree
dark green leaves, reddish bark



Aesculus californica-California Buckeye

Irrigation: Low water needs
deciduous; fragrant, white blooms

Reparian Plants



Schoenoplectus californicus- California bulrush

Perennial sedge to 13' tall with triangular stems;
common in brackish marshes



Spartina foliosa-California cord grass

Perennial grass 1-4' tall with 1/2" wide leaves;
common in low zone of salt marsh;
this is the only cordgrass native to the bay



Sarcocornia pacifica- pickleweed

1-2' tall low-growing succulent which is very salt
tolerant;
grows in middle zone of salt marsh



Grindelia stricta var. *angustifolia*-Pacific gumplant

1-5' tall shrubby perennial;
showy yellow flowers;
grows along upper edges of salt marsh



Distichlis spicata-salt grass

herbaceous perennial grass 8-12" tall;



Rumex maritimus-golden dock

Native to salt marshes around bay;
6-8" tall leaves

Perspective- After



Perspective- After

