

WEST CAMPUS PROJECT: HERITAGE TREE REMOVAL AND REPLACEMENT

REMOVAL TOTALS	SYM.	DESCRIPTION	REPLACEMENT VALUE	REPLACEMENT TOTALS
41	⊗	Heritage tree with GOOD health	2:1	82
121	⊙	Heritage tree with FAIR-POOR health	1:1	121
13	⊚	Heritage tree with POOR-DEAD health	1:1	13
175 TOTAL				216 TOTAL

WEST CAMPUS PROJECT: NON-HERITAGE Trees for Removal

REMOVAL TOTALS	SYM.	DESCRIPTION	REPLACEMENT VALUE	REPLACEMENT TOTALS
359 TOTAL	⊗	Non-heritage tree	NA	NA

NOTE : Non-Heritage Trees are tagged on site but are not numbered on this plan

TOTAL SITE: TREE REMOVAL AND REPLACEMENT SUMMARY (For Reference)

SYM.	DESCRIPTION	REMOVAL TOTALS	REPLACEMENT TOTALS
UNDERCROSSING TREE REMOVAL AND REPLACEMENT *Trees Previously Removed with Permit			
⊗	Heritage Trees	7	11
⊗	Non-Heritage Trees	12	NA
SITE REMEDIATION TREE REMOVAL AND REPLACEMENT *Trees Previously Removed with Permit			
⊗	Heritage Trees	51	88
⊗	Non-Heritage Trees	20	NA
WEST CAMPUS TREE REMOVAL AND REPLACEMENT			
	Heritage Trees	175	216
	Non-Heritage Trees	359	NA
	Total Tree Removal & Replacement	624 TOTAL	315 TOTAL

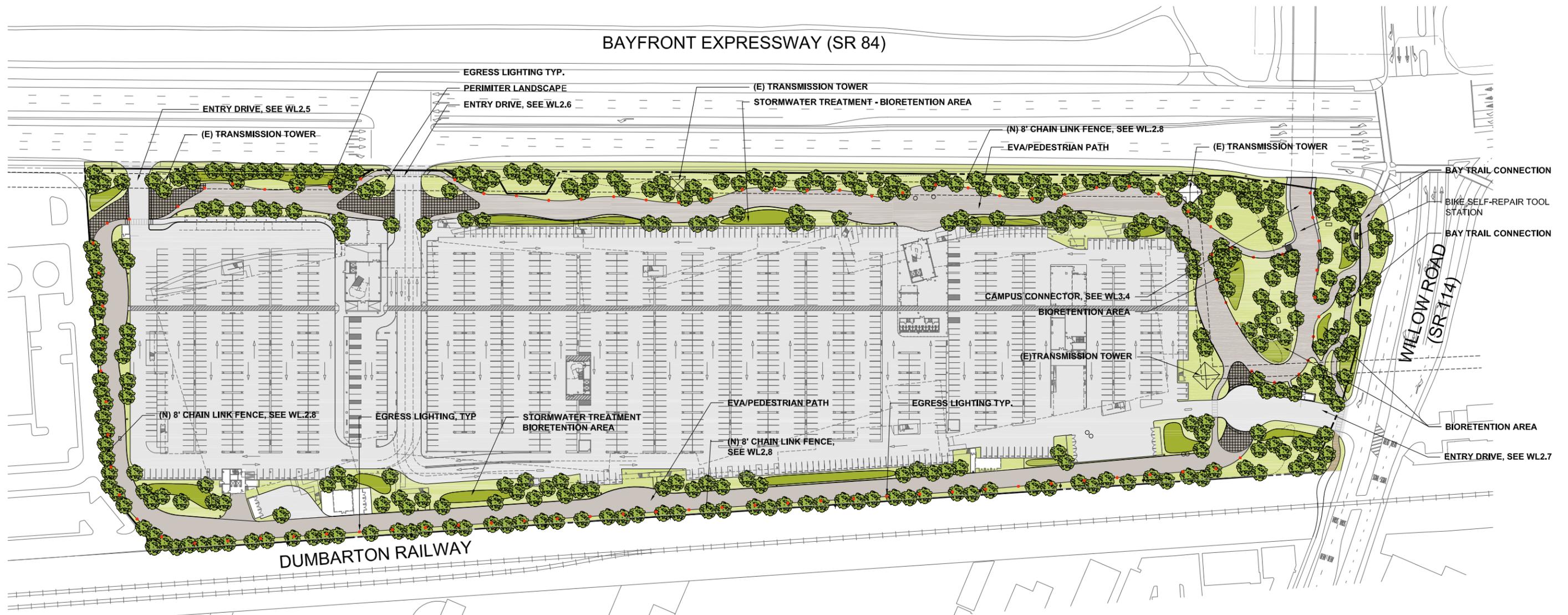
NUMBER OF NEW TREES (SEE SHEETS WL 2.1, 2.2, 2.3)

PROJECT AREA	NUMBER OF TREES
GROUND LEVEL TREES	332
TERRACE LEVEL (POTENTIAL)	25
ROOF LEVEL (POTENTIAL)	205
TOTAL	562

NOTES

- The total number of new Ground Level trees is inclusive of the Undercrossing and Site Remediation tree replacement requirement.
- All trees, including trees required for Heritage Tree Replacement, shall be 24" box minimum.





LEGEND

- PERIMETER LANDSCAPE: A mix of water efficient native and adapted groundcovers, perennials and shrubs planted upon undulating topography and bioretention areas. The mix will be predominantly evergreen and naturalistic in character.
- STORMWATER TREATMENT-BIORETENTION AREA: A mix of native riparian and adapted species selected for biofiltration and soil moisture levels including extended inundation and low irrigation use during the dry season.
- PROPOSED TREE: TOTAL QTY. 332
TOTAL TREE REPLACEMENT REQUIREMENT = 315 TREES. REFER TO WL-1 FOR TREE DISPOSITION PLAN.
MINIMUM SIZE: 24" BOX
- FIRELANE/PEDESTRIAN PATH: Pervious Concrete
- CAMPUS CONNECTOR AND PEDESTRIAN PATH PAVING: Pervious Concrete
- PARKING LOT & ENTRY DRIVES: Asphalt Concrete
- COBBLE PAVING
- EGRESS LIGHTING: PEDESTRIAN POLE LIGHT- PEDESTRIAN EGRESS LIGHTING SHALL BE PROVIDED FROM BLDG. EXITS TO THE PUBLIC WAY AT WILLOW RD AND THE TUNNEL UNDERCROSSING TO E. CAMPUS. EGRESS SHALL MEET CBC AND FIRE CODE REQUIREMENTS
- BIKE SELF-REPAIR TOOL STATION

PRELIMINARY PLANT LIST

TREES		SHRUBS		GROUNDCOVERS - GRASSES	
BOTANICAL NAME	COMMON NAME	BOTANICAL NAME	COMMON NAME	BOTANICAL NAME	COMMON NAME
AESCULUS CALIFORNICA	CALIFORNIA BUCKEYE	ARTEMESIA CALIFORNICA	CALIFORNIA SAGEBRUSH	ERIGERON GLAUCUS	SEASIDE DAISY
CASUARINA CUNNINGHAMIANA	RIVER SHE-OAK	BACCHARIS PILULARIS "EMERALD CARPET"	COYOTE BUSH	ESCHSCHOLZIA CALIFORNICA	CALIFORNIA POPPY
CEDRUS DEODARA	DEODAR CEDAR	CEANOTHUS GRISEUS	CALIFORNIA LILAC	HORDEUM BRACHYANTHERUM	MEADOW BARLEY
CERCIS CALIFORNICA	WESTERN REDBUD	CEANOTHUS THYRSIFLORUS	CALIFORNIA LILAC	FESTUCA RUBRA	CALIFORNIA RED FESCUE
FRAXINUS VELUTINA	FAN-TEX ASH	ELYMUS GLAUCUS	BLUE WILD RYE	LEYMUS TRITICOIDES	CREeping WILD RYE
MELALEUCA QUINQUENERIVA	CAJUPUT TREE	ERIGONUM FASCICULATUM	CALIFORNIA BUCKWHEAT	MUHLENBERGIA RIGENS	DEER GRASS
PINUS CONTORTA	BEACH PINE	LUPINUS ALBIFRONS	SILVER BUSH LUPINE	SISYRINCHIUM BELLUM	BLUE-EYE GRASS
POPULUS FREMONTII	FREMONT POPLAR	MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	STIPA PULCHRA	PURPLE NEEDLE GRASS
QUERCUS AGRIFOLIA	COAST LIVE OAK	RHAMNUS CALIFORNICA	COFFEEBERRY	ZAUSCHNERIA CALIFORNICA	CALIFORNIA FUSCHIA
QUERCUS DOUGLASSII	BLUE OAK	RHUS INTEGRIFOLIA	LEMONBERRY		
QUERCUS VIRGINIANA	VIRGINIA LIVE OAK	SALVIA MELLIFERA	BLACK SAGE		

ACCESSIBILITY

ALL PEDESTRIAN PATHS AND EGRESS ROUTES SHALL MEET CBC TITLE 24 & ADA ACCESSIBILITY REQUIREMENTS

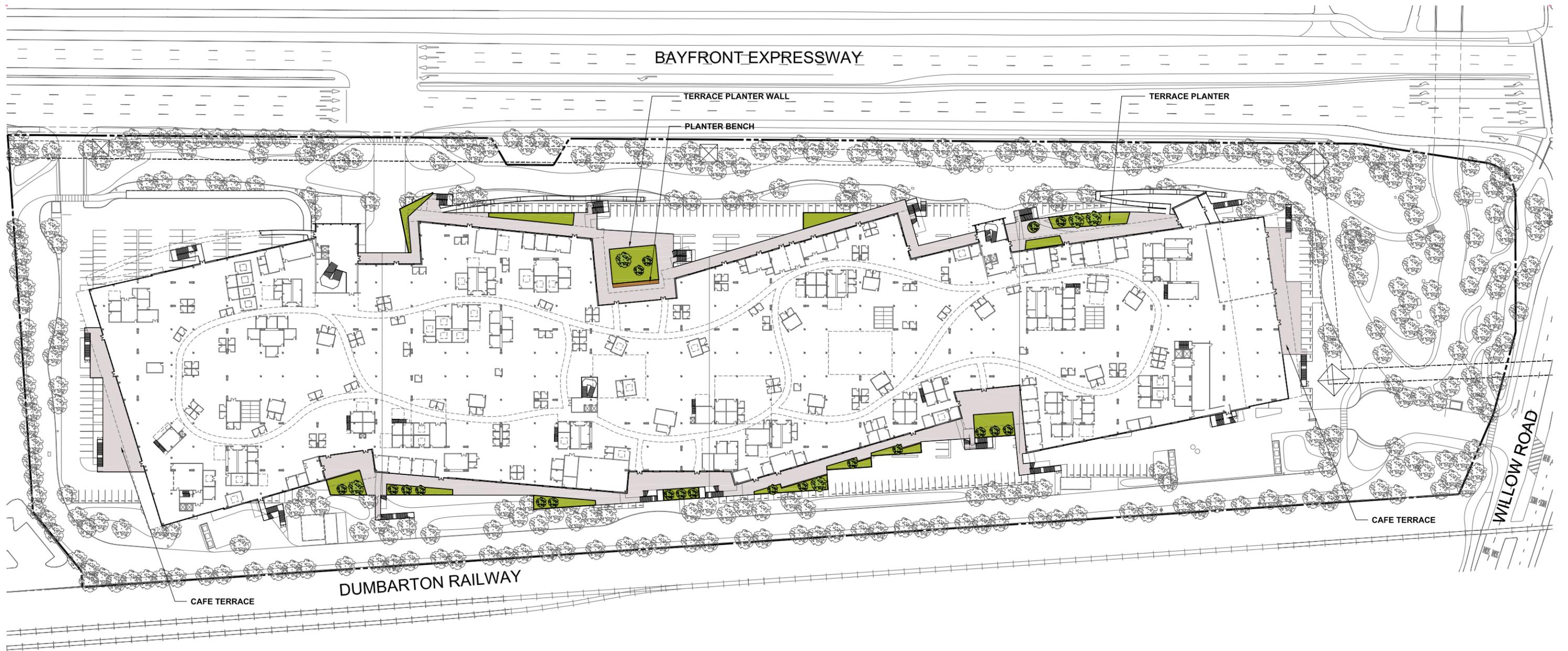
PLANT SELECTION NOTES

- General Design Intent: Provide a densely planted and attractive perimeter landscape surrounding and providing scale for the building. Provide visual, wind, and sound buffer along the Bayfront Expressway. Create a naturalistic grove and garden setting at the east end corner of the site.
- Final plant selection and layout shall be refined based on the following selection criteria.
 - Soils and Horticultural Suitability.
 - Salt and Wind Tolerance.
 - Water Efficient Landscape Ordinance requirements.
 - Aesthetic Quality
 - Ecological Value/Habitat and Environmental considerations.
 - Coordination with Caltrans and PG&E.

NORTH

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WL.2.1: SCHEMATIC LANDSCAPE GROUND PLAN
SCALE: 1"=75'
11X17 SCALE IS 1"=150'
FEBRUARY 1, 2013



LEGEND

- TERRACE PLANTER: A mix of water efficient native and adapted groundcovers, perennials and shrubs. The mix will be predominantly evergreen and diverse in character.
- PROPOSED TREE: TOTAL QTY. 25
MINIMUM SIZE: 24" BOX
- TERRACE PAVING: Concrete Paving
- TERRACE CIP CONCRETE PLANTER WALL
- TERRACE BENCH

PRELIMINARY PLANT LIST

TREES		SHRUBS		GROUNDCOVERS	
BOTANICAL NAME	COMMON NAME	BOTANICAL NAME	COMMON NAME	BOTANICAL NAME	COMMON NAME
AESCULUS CALIFORNICA	CALIFORNIA BUCKEYE	CEANOTHUS GRISEUS	CALIFORNIA LILAC	ERIGERON GLAUCUS	SEASIDE DAISY
ARBUTUS UNEDO	STRAWBERRY TREE	CORREA	AUSTRALIAN BLUE BELL	ESCHSCHOLZIA CALIFORNICA	CALIFORNIA POPPY
BETULA JACKMONTII	JACKMONTII BIRCH	ELYMUS TRITICOIDES	CREeping WILD RYE	SEDUM SP.	SEDUM VARIETIES
CERCIS CALIFORNICA	WESTERN REDBUD	ERIGONUM FASCICULATUM	CALIFORNIA BUCKWHEAT	SENECIO SP.	SENECIO VARIETIES
HETEROMELES ARBUTIFOLIA	TOYON	FESTUCA RUBRA	RED FESCUE		
PINUS CONTORTA	BEACH PINE	HORDEUM BRACHYANTHERUM	MEADOW BARLEY		
PISTACIA CHINENSIS	CHINESE PISTACHE	HEUCHERA	HEUCHERA		
QUERCUS VIRGINIANA	VIRGINIA LIVE OAK	IRIS	IRIS		
		LUPINUS ALBIFRONS	SILVER BUSH LUPINE		
		MIMULUS AURANTIACUS	STICKY MONKEY FLOWER		
		SALVIA MELLIFERA	BLACK SAGE		

ACCESSIBILITY

ALL PEDESTRIAN PATHS AND EGRESS ROUTES SHALL MEET CBC TITLE 24 & ADA ACCESSIBILITY REQUIREMENTS

PLANT SELECTION NOTES

1. Final plant selection and layout shall be refined based on the following selection criteria.

- a. Soils Volume and Horticultural Suitability.
- b. Wind Tolerance.
- c. Water Efficient Landscape Ordinance requirements.
- d. Aesthetic Quality and Size
- e. Ecological Value/Habitat and Environmental considerations.



PRELIMINARY PLANT LIST

TREES		SHRUBS		GROUNDCOVERS - GRASSES	
BOTANICAL NAME	COMMON NAME	BOTANICAL NAME	COMMON NAME	BOTANICAL NAME	COMMON NAME
AESCULUS CALIFORNICA	CALIFORNIA BUCKEYE	ARCTOSTAPHYLOS SP.	MANZANITA	ERIGERON GLAUCUS	SEASIDE DAISY
CERCIS CALIFORNICA	WESTERN REDBUD	ARTEMESIA CALIFORNICA	CALIFORNIA SAGE	ESCHSCHOLZIA CALIFORNICA	CALIFORNIA POPPY
FRAXINUS VELUTINA	FAN-TEX ASH	BACCHARIS PILULARIS "EMERALD CARPET"	COYOTE BUSH	HORDEUM BRACHYANTHERUM	MEADOW BARLEY
JACARANDA MIMOSIFOLIA	JACARANDA	CEANOTHUS GRISEUS	CALIFORNIA LILAC	FESTUCA RUBRA	CALIFORNIA RED FESCUE
MELALEUCA QUINQUENERIVA	CAJPUT TREE	CEANOTHUS THYRSIFLORUS	CALIFORNIA LILAC	LEYMUS TRITICOIDES	CREeping WILD RYE
PINUS CONTORTA	BEACH PINE	LUPINUS ALBIFRONS	SILVER BUSH LUPINE	MUHLBERGIA RIGENS	DEER GRASS
PISTACIO CHINENSIS	CHINESE PISTACHE	LUPINUS BICOLOR	LUPINE	SISYRINCHIUM BELLUM	BLUE-EYE GRASS
POPULUS FREMONTII	FREMONT POPLAR	MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	STIPA PULCHRA	PURPLE NEEDLE GRASS
QUERCUS AGRIFOLIA	COAST LIVE OAK	RHAMNUS CALIFORNICA	COFFEEBERRY	ZAUSCHNERIA CALIFORNICA	CALIFORNIA FUSCHIA
QUERCUS DOUGLASSII	BLUE OAK	RHUS INTEGRIFOLIA	LEMONBERRY		
QUERCUS VIRGINIANA	VIRGINIA LIVE OAK	SALVIA MELLIFERA	BLACK SAGE	DWARF TALL FESCUE SOD	LAWN
ZELKOVA SERRATA	ZELKOVA				

ACCESSIBILITY

ALL PEDESTRIAN PATHS AND EGRESS ROUTES SHALL MEET CBC TITLE 24 & ADA ACCESSIBILITY REQUIREMENTS

LEGEND

- WALKING PATH: Stabilized Crushed Stone
- SEATING AREAS: Wood and Stone with Benches
- GREEN ROOF- LAWN AREA: Drought-resistant, low water use, and low-mow lawn.
- GREEN ROOF GARDEN AREA: Low water use native adapted shrubs, perennials and groundcovers suitable for intensive green roof applications.
- GREEN ROOF MEADOW AREA: Low water use native adapted grasses and perennials suitable for intensive green roof applications.
- TREES: Total Qty. on Roof 205
MINIMUM SIZE: 24" BOX

NOTES:

1. TREE REPLACEMENT REQUIREMENT DOES NOT RELY ON TERRACE OR ROOF LEVEL TREES.
2. THE EXTENT OF POTENTIAL ROOF LEVEL GATHERING AND GREEN ROOF AREAS ARE SUBJECT TO MODIFICATION.
3. ROOF LEVEL SITE LIGHTING WILL BE DESIGNED TO ADDRESS DARK SKYS WITH LOW LEVEL LIGHTING WHERE APPLICABLE AND FULL CUT-OFF FOR PATH OF EGRESS AND EMERGENCY LIGHTING.

PLANT SELECTION NOTES

1. General Design Intent: Provide a densely planted and attractive greenroof landscape surrounding and providing scale for the building. Create a naturalistic and ecologically principled landscape that links the ground level landscape to the roof.
2. Final plant selection and layout shall be refined based on the following selection criteria.
 - a. Soils and Horticultural Suitability.
 - b. Salt and Wind Tolerance.
 - c. Water Efficient Landscape Ordinance requirements.
 - d. Aesthetic Quality
 - e. Ecological Value/Habitat and Environmental considerations, including adjacent salt flat habitat and raptor considerations.
 - f. Coordination with Caltrans and PG&E.

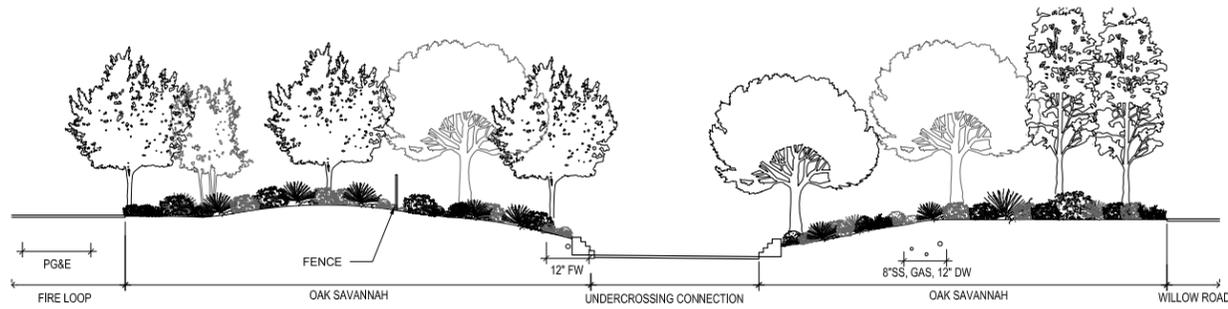


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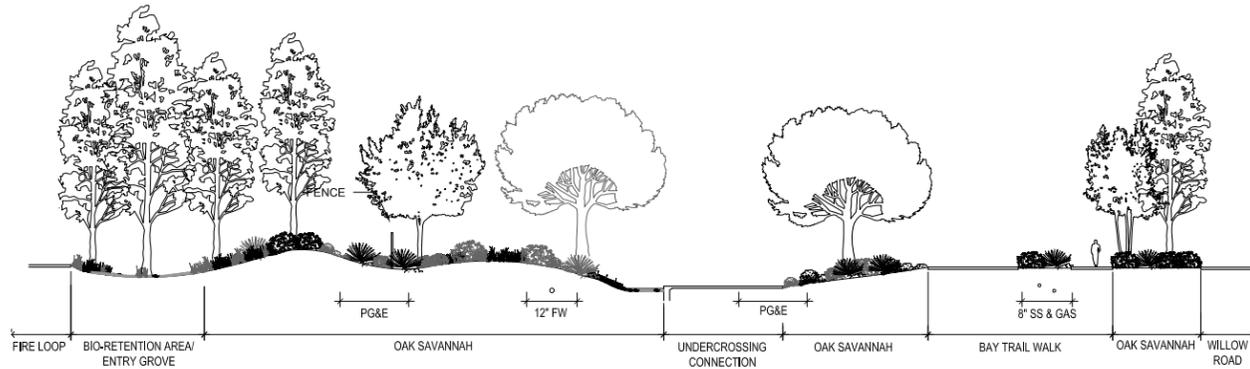
WL.2.3: SCHEMATIC LANDSCAPE ROOF PLAN
SCALE: 1"=60'
11X17 SCALE IS 1"=120'
FEBRUARY 1, 2012

BIO-RETENTION AREA/ENTRY GROVE

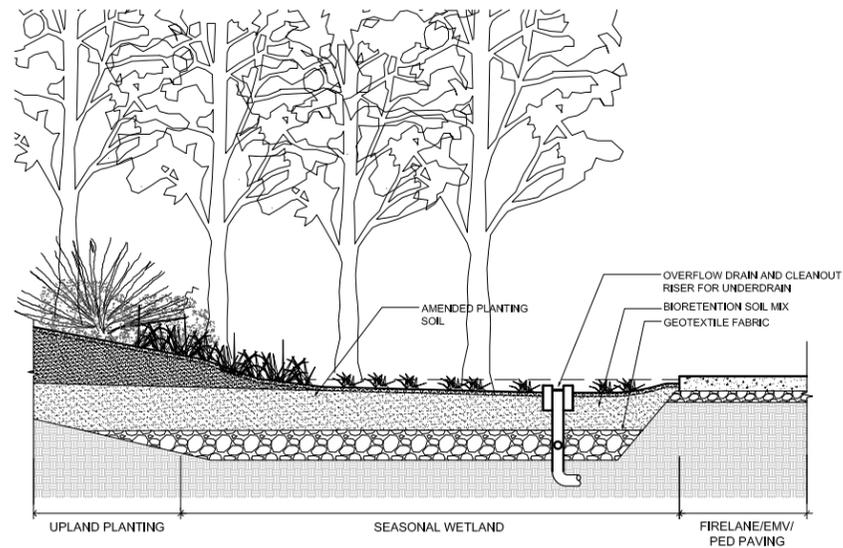
The Bio-Retention areas in the entry landscape will be treated as groves with riparian tree species that can tolerate periodic inundation and lower summer water. A diversity of under-story plants will provide both aesthetic benefits and ecological value. During the winter wet season water will periodically pool in the bio-retention areas and gradually infiltrate or evaporate. The maximum depth of pooling will not exceed 12 inches and the areas will be designed to drain within 72 hours. The areas will not be fenced. Supplemental irrigation will be provided during the summer months. The areas will be maintained in a manner consistent with a campus landscape and the maintenance required for the bio-retention functions will be incorporated into the stormwater management maintenance and operations plan required as part of the building permit.



SECTION A

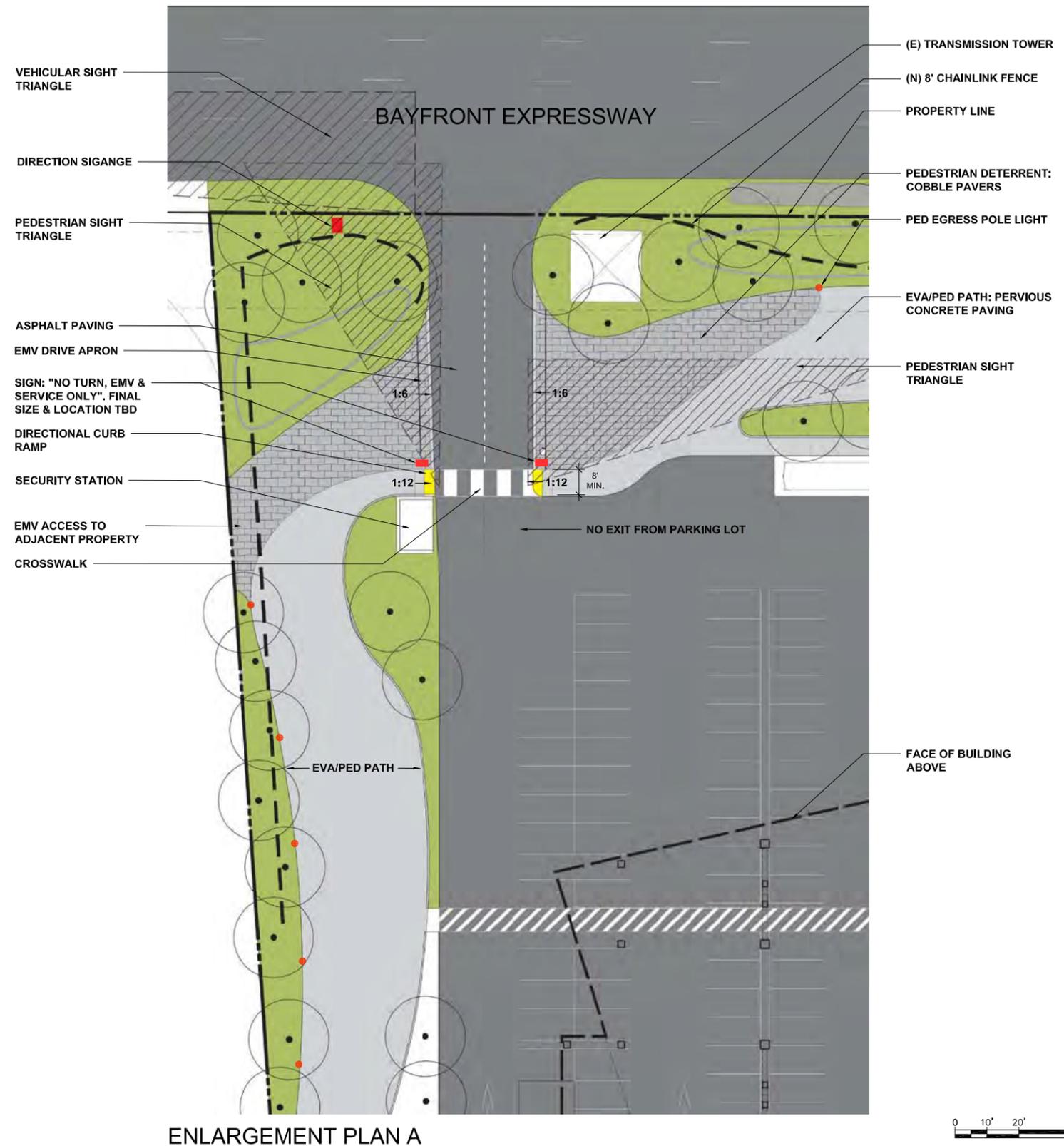


SECTION B



SECTION C



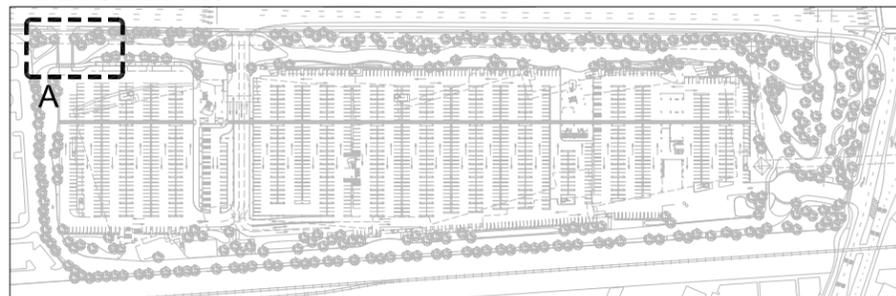


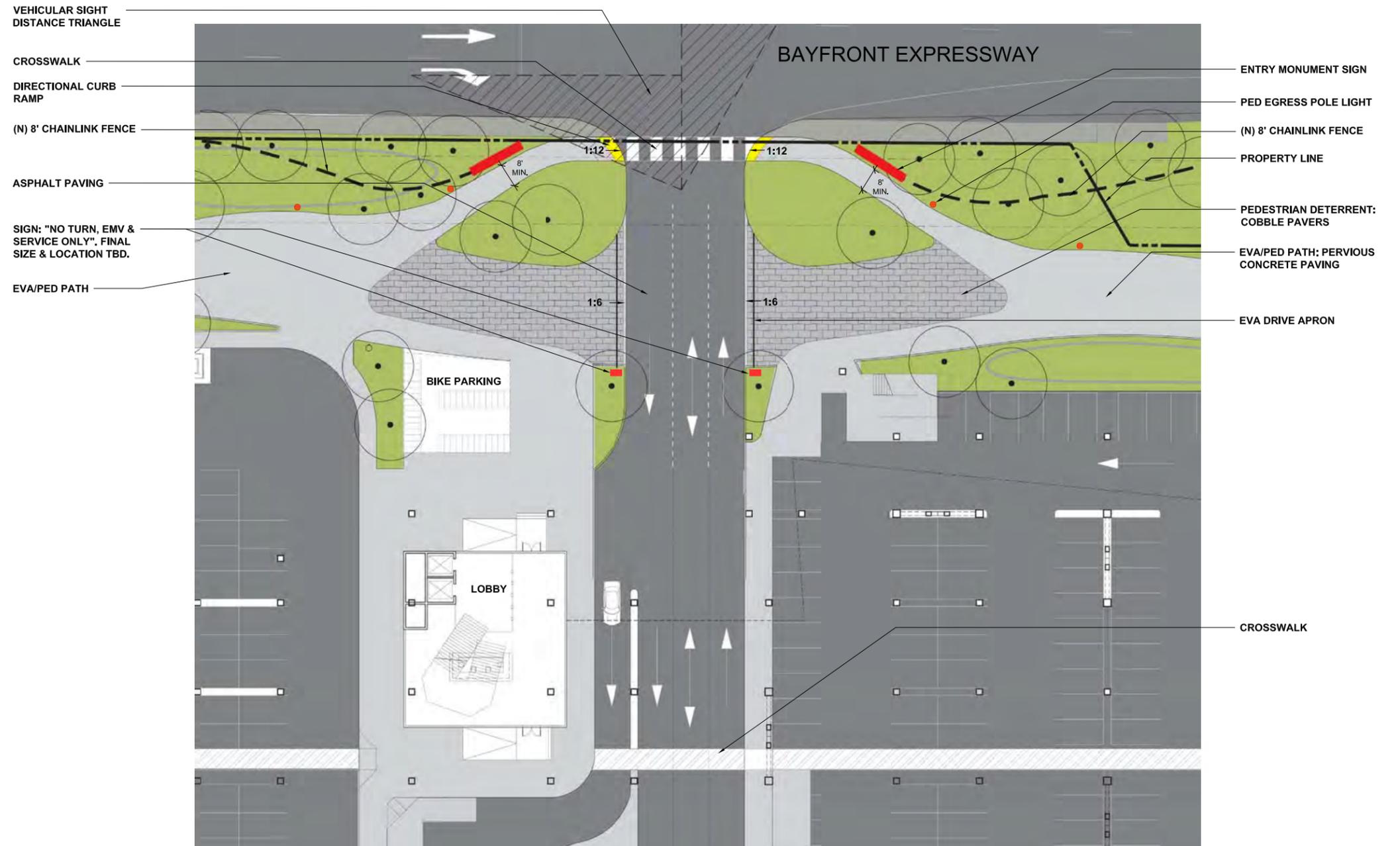
ENLARGEMENT PLAN A

NOTES:

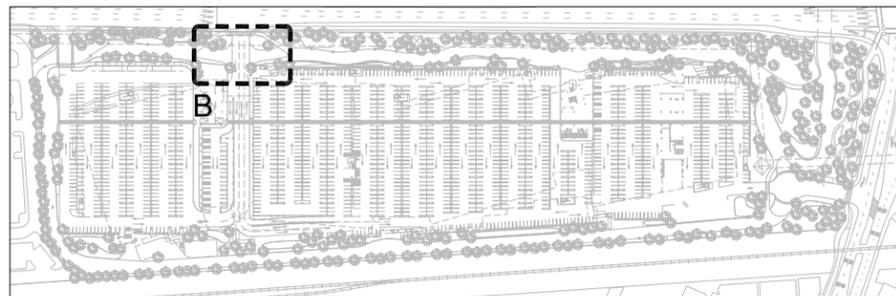
1. PEDESTRIAN DETERRENT MATERIALS AND COLOR ARE SUBJECT TO FURTHER REVIEW AND MODIFICATION AT BUILDING PERMIT STAGE.
2. ALL PEDESTRIAN PATHWAYS SHALL MEET ACCESSIBILITY REQUIREMENTS

ENLARGEMENT KEY





ENLARGEMENT KEY



ENLARGEMENT PLAN B

NOTES:

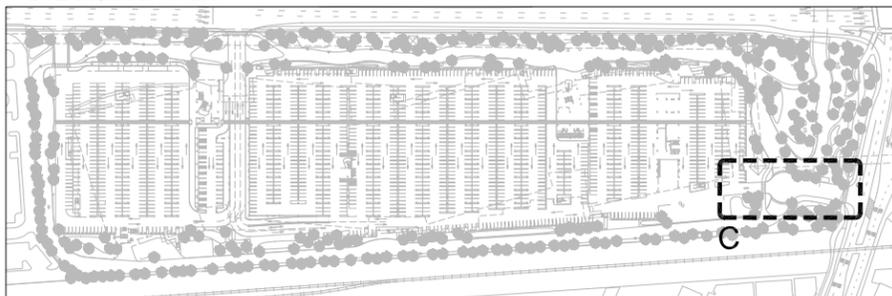
1. ACCESS POINTS AND ALL IMPROVEMENTS ON BAYFRONT EXPRESSWAY ARE SUBJECT TO REVIEW AND APPROVAL BY CALTRANS. CALTRANS WRITTEN APPROVAL OF THE TRAFFIC SIGNAL TO THE SATISFACTION OF THE PUBLIC WORKS DIRECTOR IS REQUIRED PRIOR TO ISSUANCE OF BUILDING PERMIT FOR THE BUILDING FOUNDATION.
2. PEDESTRIAN DETERRENT MATERIALS AND COLOR ARE SUBJECT TO FURTHER REVIEW AND MODIFICATION AT BUILDING PERMIT STAGE.
3. ALL PEDESTRIAN PATHWAYS SHALL MEET ACCESSIBILITY REQUIREMENTS





ENLARGEMENT PLAN C

ENLARGEMENT KEY

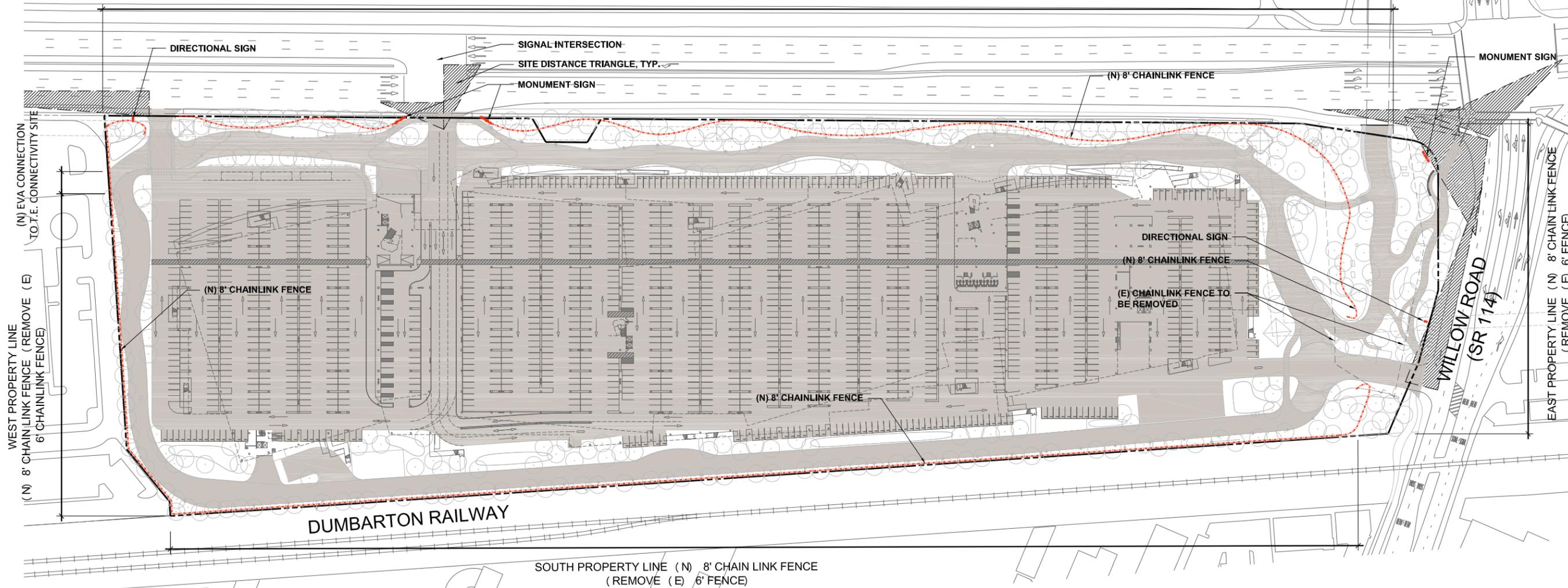


NOTES:

1. ALIGNMENT OF CROSSWALK AT WILLOW ROAD WILL BE SUBJECT TO FURTHER REVIEW AT THE BUILDING PERMIT STAGE.
2. PEDESTRIAN DETERRENT MATERIALS AND COLOR ARE SUBJECT TO FURTHER REVIEW AND MODIFICATION AT BUILDING PERMIT STAGE.
3. ALL PEDESTRIAN PATHWAYS SHALL MEET ACCESSIBILITY REQUIREMENTS

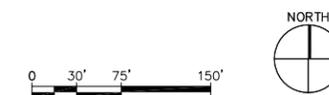
BAYFRONT EXPRESSWAY (SR 84)

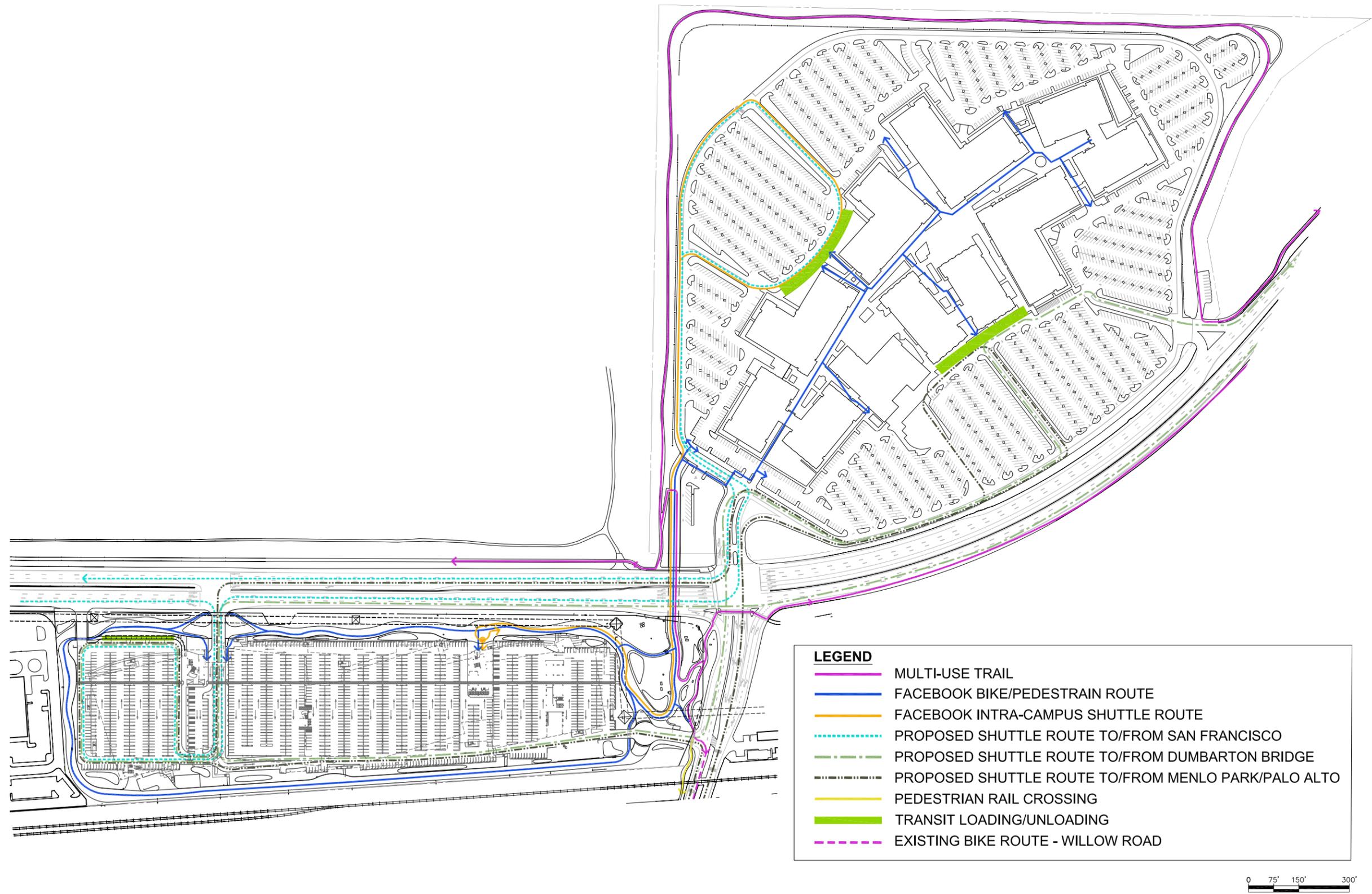
NORTH PROPERTY LINE (N) 8' CHAIN LINK FENCE (REMOVE (E) 6' FENCE)



LEGEND

- MONUMENT SIGN: Each monument sign shall be illuminated and include the address.
 - Total Size Ea. Sign: 10'h x 18'w
 - Copy Area Text Ea. Sign: 100 SF Max
 - Total Copy Text for Site: 300 SF Max
- DIRECTIONAL SIGN:
 - Total Size Ea. Sign: 10'h x 5'w
 - Copy Area Text Ea. Sign: 35 SF Max
 - Total Copy Text for Site: 105 SF Max
- - - (N) FENCE: 8' chainlink fence, 1" mesh vinyl coated - dark green or black





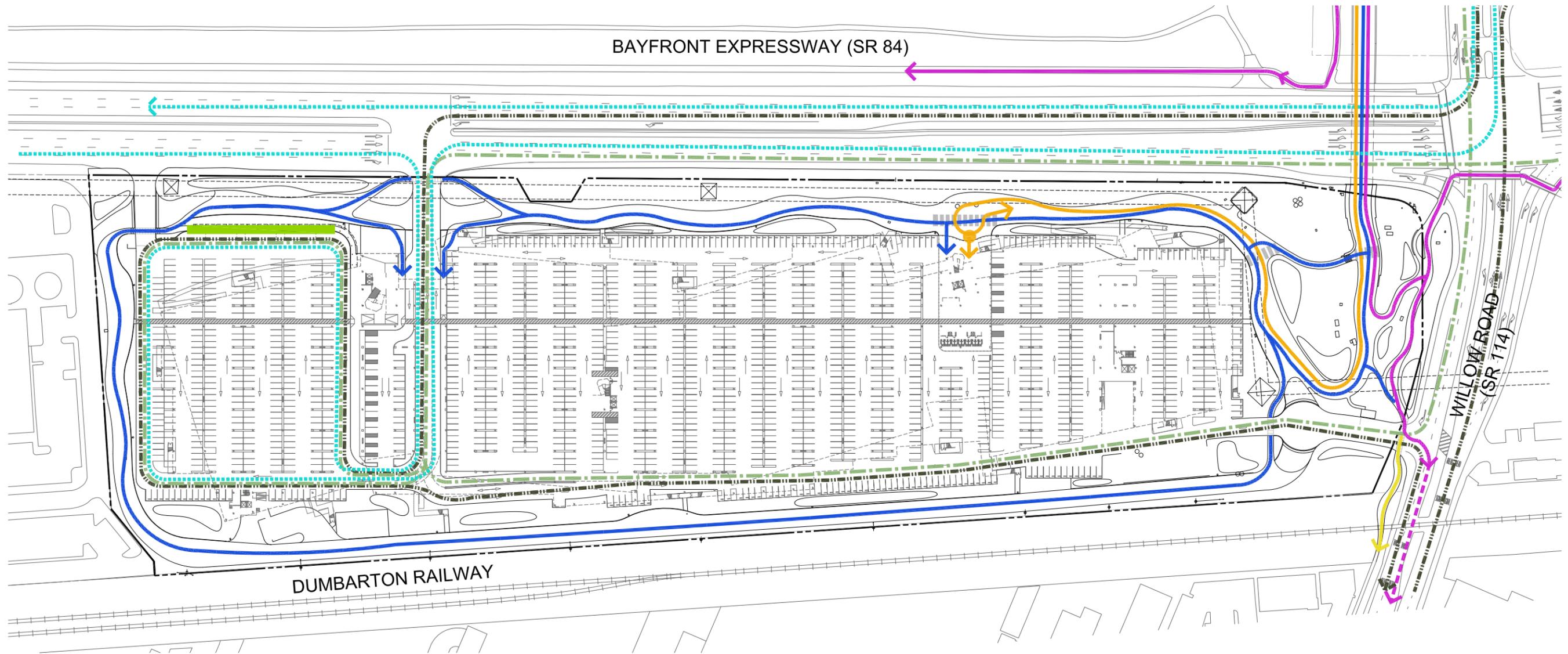
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WL.3: CONNECTIVITY - BOTH CAMPUSES

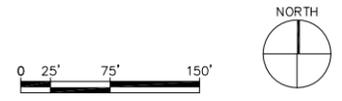
SCALE: 1"=150'
 11X17 SCALE IS 1"=300'

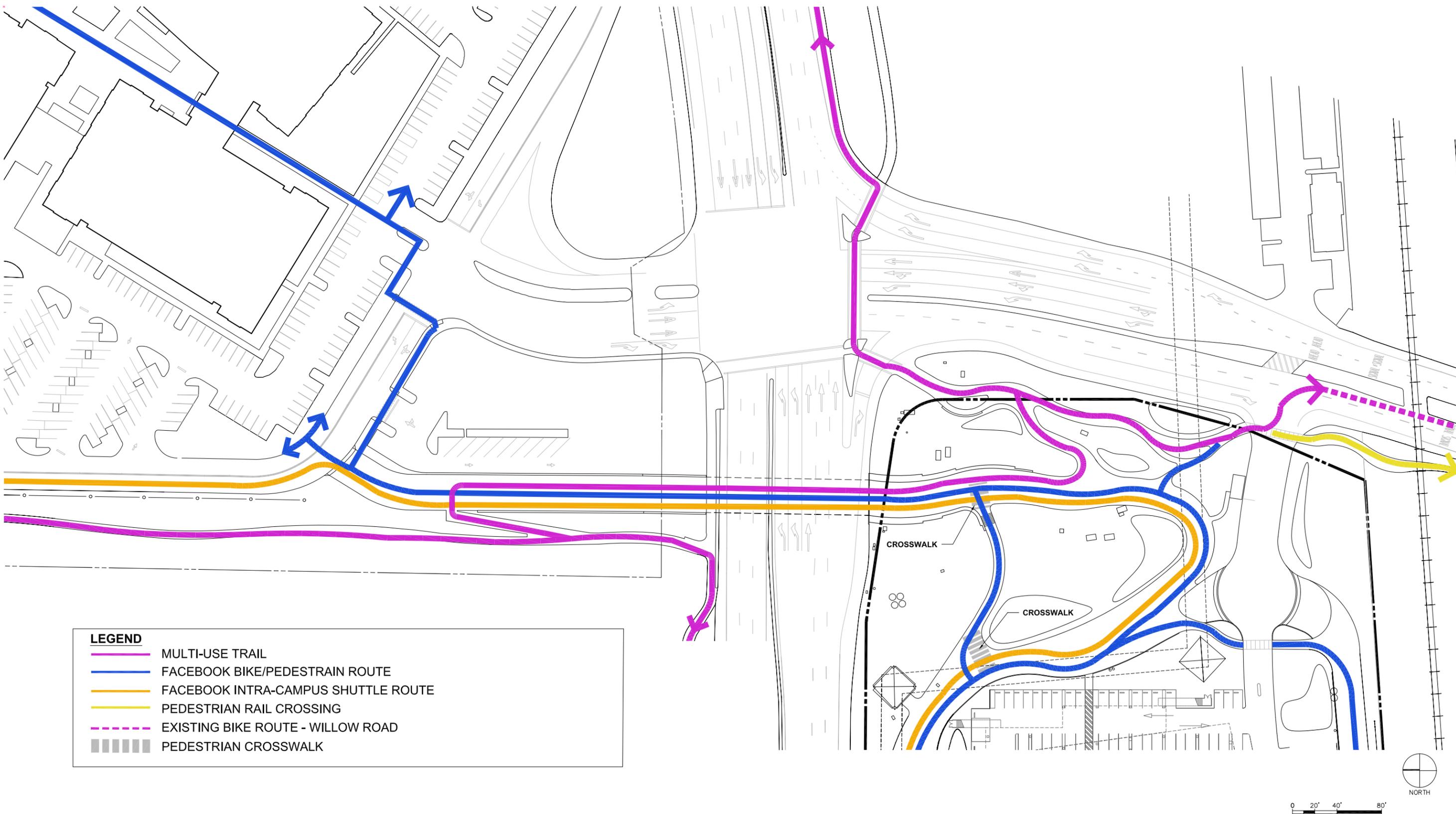
FEBRUARY 1, 2013



LEGEND

	MULTI-USE TRAIL		PEDESTRIAN CROSSWALK
	FACEBOOK BIKE/PEDESTRIAN ROUTE		
	FACEBOOK INTRA-CAMPUS SHUTTLE ROUTE		
	PROPOSED SHUTTLE ROUTE TO/FROM SAN FRANCISCO		
	PROPOSED SHUTTLE ROUTE TO/FROM DUMBARTON BRIDGE		
	PROPOSED SHUTTLE ROUTE TO/FROM MENLO PARK/PALO ALTO		
	PEDESTRIAN RAIL CROSSING		
	TRANSIT LOADING/UNLOADING		
	EXISTING BIKE ROUTE - WILLOW ROAD		





LEGEND

- MULTI-USE TRAIL
- FACEBOOK BIKE/PEDESTRAIN ROUTE
- FACEBOOK INTRA-CAMPUS SHUTTLE ROUTE
- PEDESTRIAN RAIL CROSSING
- EXISTING BIKE ROUTE - WILLOW ROAD
- PEDESTRIAN CROSSWALK

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WL.3.2:UNDERCROSSING CONNECTIVITY

SCALE: 1"=40'
 11X17 SCALE IS 1"=80'
 FEBRUARY 1, 2013

