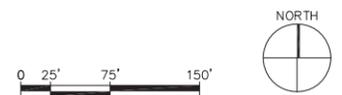




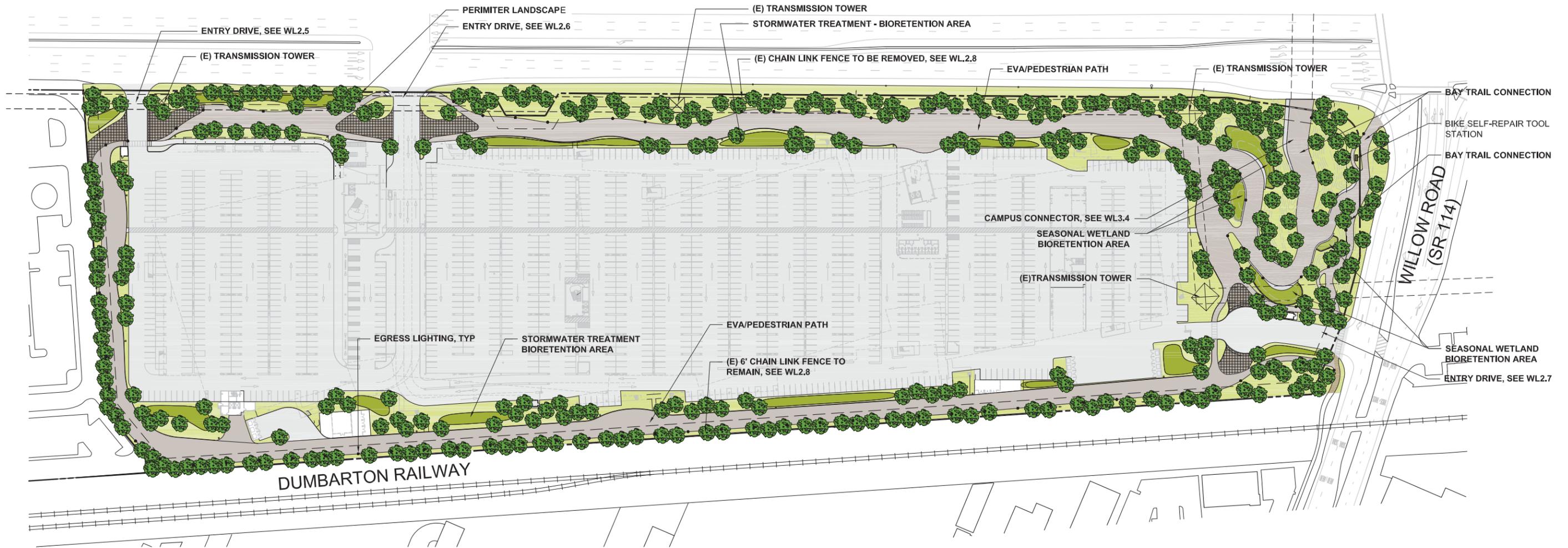
| WEST CAMPUS HERITAGE TREE REMOVAL AND REPLACEMENT | | | | |
|---|------|-------------------------------------|-------------------|--------------------|
| REMOVAL TOTALS | SYM. | DESCRIPTION | REPLACEMENT VALUE | REPLACEMENT TOTALS |
| 41 | | Heritage tree with GOOD health | 2:1 | 82 |
| 121 | | Heritage tree with FAIR-POOR health | 1:1 | 121 |
| 13 | | Heritage tree with POOR-DEAD health | 1:1 | 13 |
| 175 TOTAL | | | | 216 TOTAL |
| WEST CAMPUS 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

| TREE REMOVAL AND REPLACEMENT SUMMARY | | | |
|--|--------------------|------------------|--------------------|
| SYM. | DESCRIPTION | REMOVAL TOTALS | REPLACEMENT TOTALS |
| UNDERCROSSING TREE REMOVAL AND REPLACEMENT *Tree's 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 |
| | 624 TOTAL | 315 TOTAL | |



BAYFRONT EXPRESSWAY (SR 84)

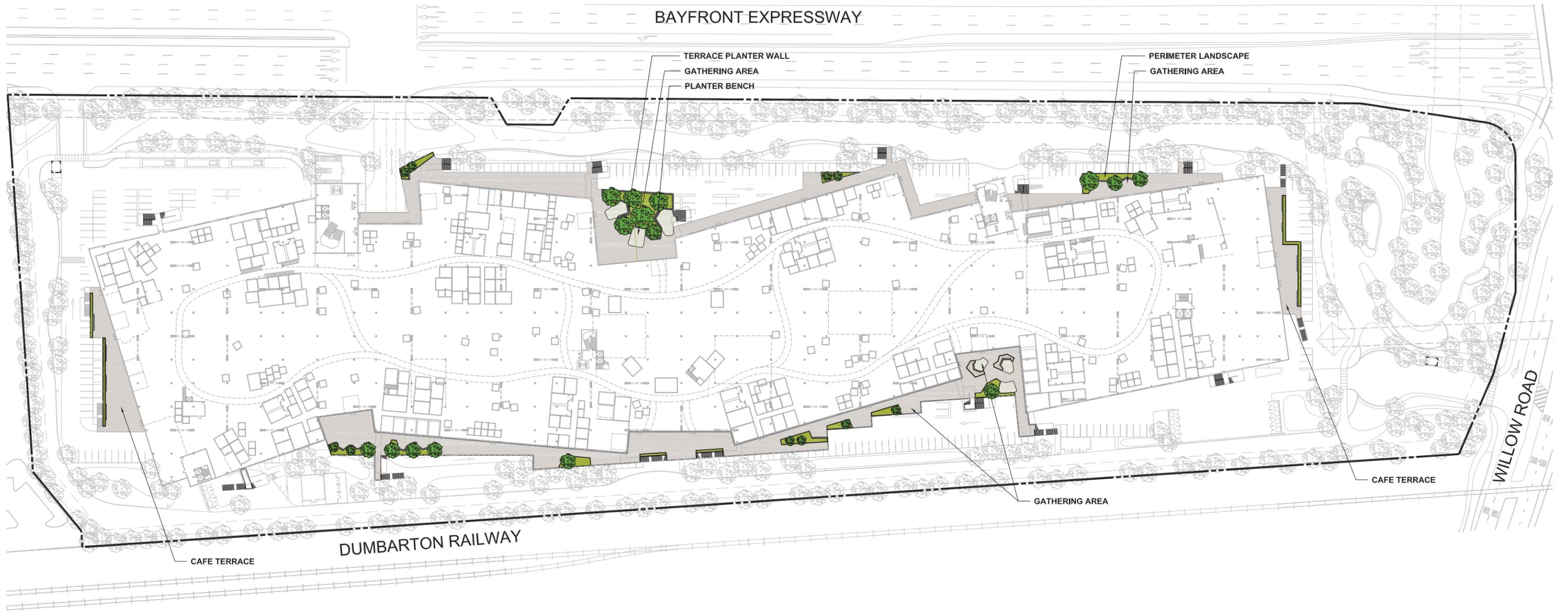


LEGEND

- 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 | | PLANT SELECTION NOTES |
|--------------------------|--------------------|--------------------------------------|----------------------|--------------------------|-----------------------|--|
| BOTANICAL NAME | COMMON NAME | BOTANICAL NAME | COMMON NAME | BOTANICAL NAME | COMMON NAME | |
| AESCLUSUS CALIFORNICA | CALIFORNIA BUCKEYE | ARTEMESIA CALIFORNICA | CALIFORNIA SAGEBRUSH | ERIGERON GLAUCUS | SEASIDE DAISY | <p>1. 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.</p> <p>2. Final plant selection and layout shall be refined based on the following selection criteria.</p> <ul style="list-style-type: none"> 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. f. Coordination with Caltrans and PG&E. |
| 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 | CAJPUT 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 | | | |



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

PRELIMINARY PLANT LIST

| TREES | | SHRUBS | | GROUNDCOVERS | |
|-------------------------|--------------------|------------------------|----------------------|--------------------------|-------------------|
| BOTANICAL NAME | COMMON NAME | BOTANICAL NAME | COMMON NAME | BOTANICAL NAME | COMMON NAME |
| AESCLUSUS 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 | | |

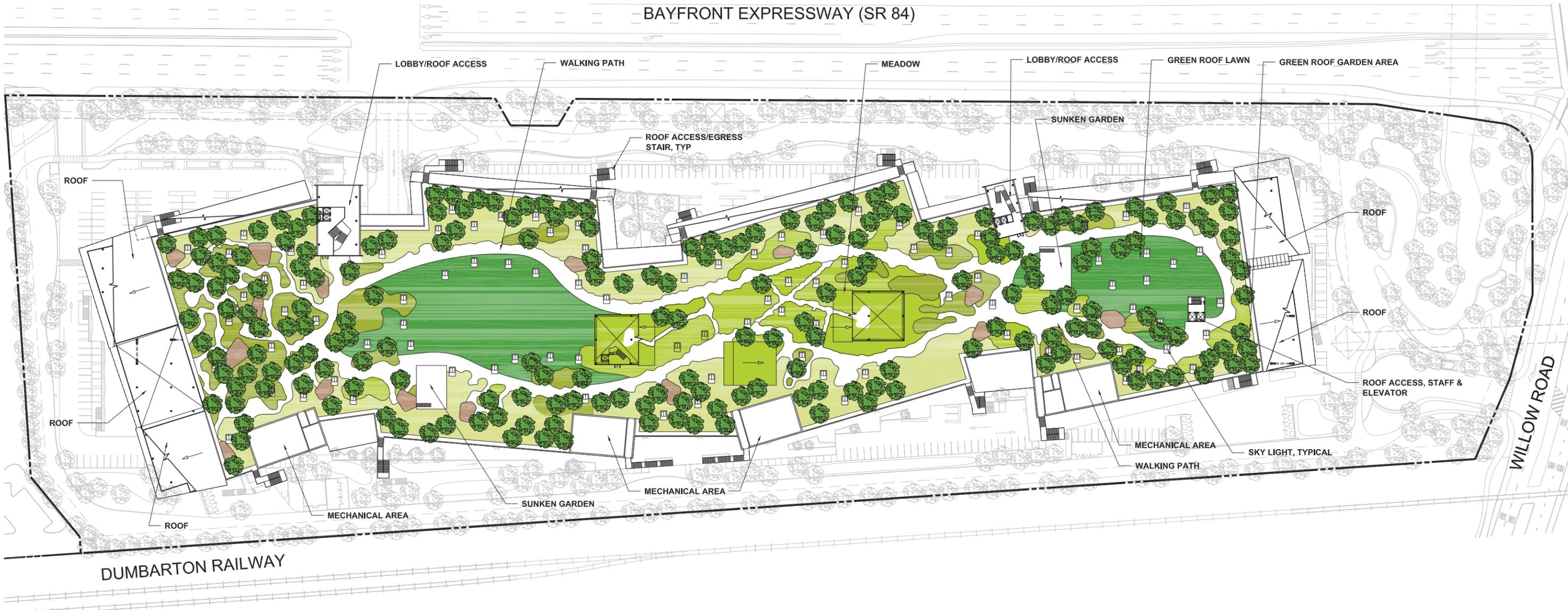
PLANT SELECTION NOTES

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.

NORTH





BAYFRONT EXPRESSWAY (SR 84)

WILLOW ROAD

DUMBARTON RAILWAY

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.

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 | MUHLENBERGIA 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 | | |
| ZELKOVA SERRATA | ZELKOVA | | | DWARF TALL FESCUE SOD | LAWN |

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 principaled 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.

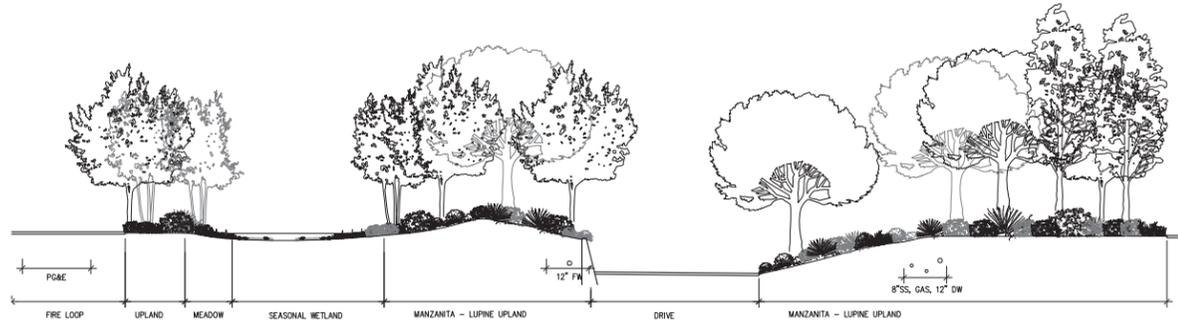
NORTH

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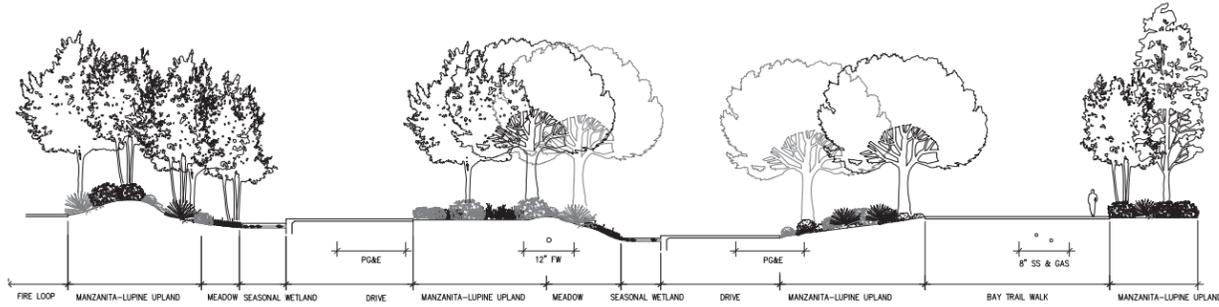
WL.2.3: SCHEMATIC LANDSCAPE ROOF PLAN
SCALE: 1"=60'
11X17 SCALE IS 1"=120'
DECEMBER 3 2012

SEASONAL WETLAND - BIO-RETENTION AREA DESCRIPTION:

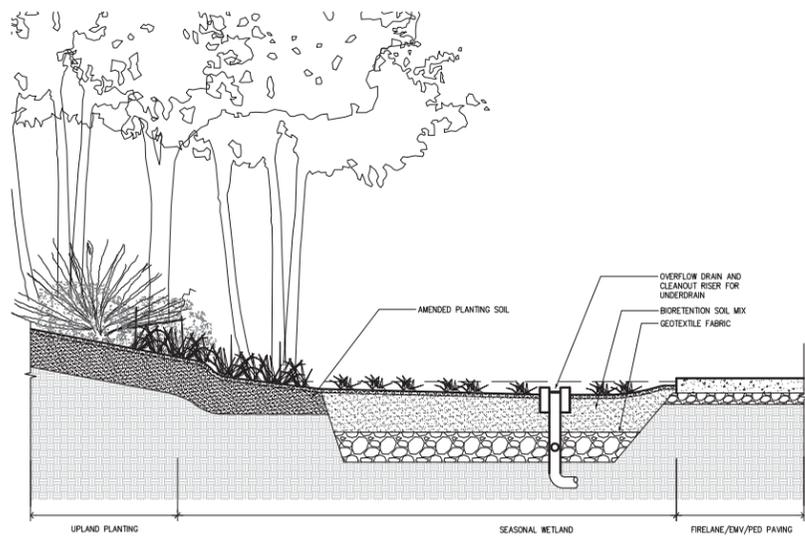
Based on the native grasslands and vernal pools that once dotted the area surrounding the San Francisco Bay, the seasonal wetlands are best described as bio-retention areas that utilize native plants and design of soils and water-flows to create a seasonal landscape feature. A diversity of plants will provide both aesthetic benefits and ecological value consistent with adjacent salt marsh restoration area. During the winter wet season water will periodically pool in the seasonal wetland/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 the stormwater management maintenance and operations plan required as part of the building permit.



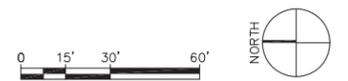
SECTION A

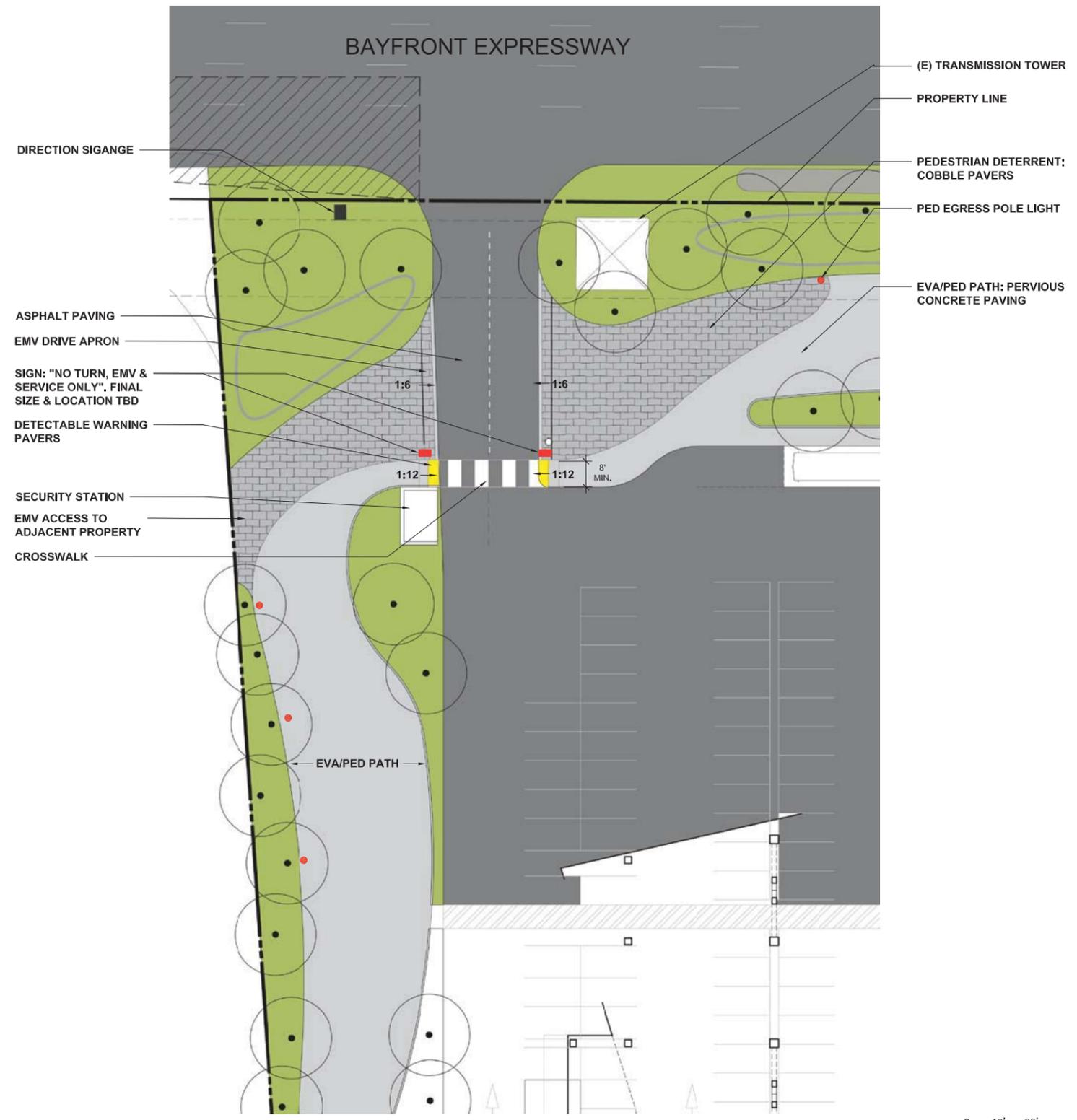


SECTION B

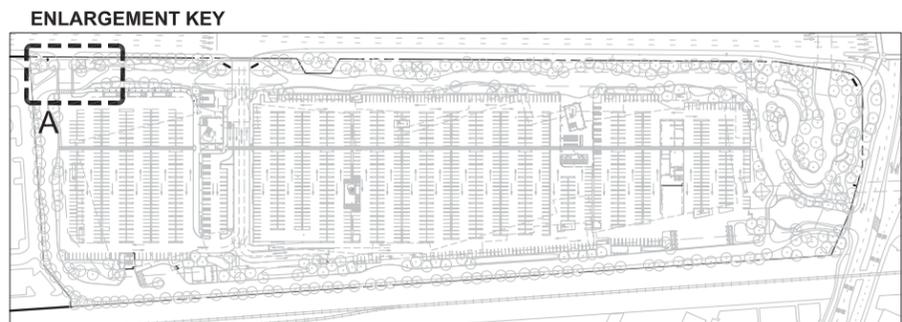
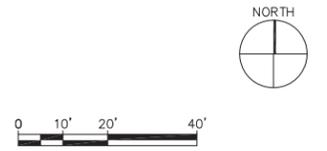


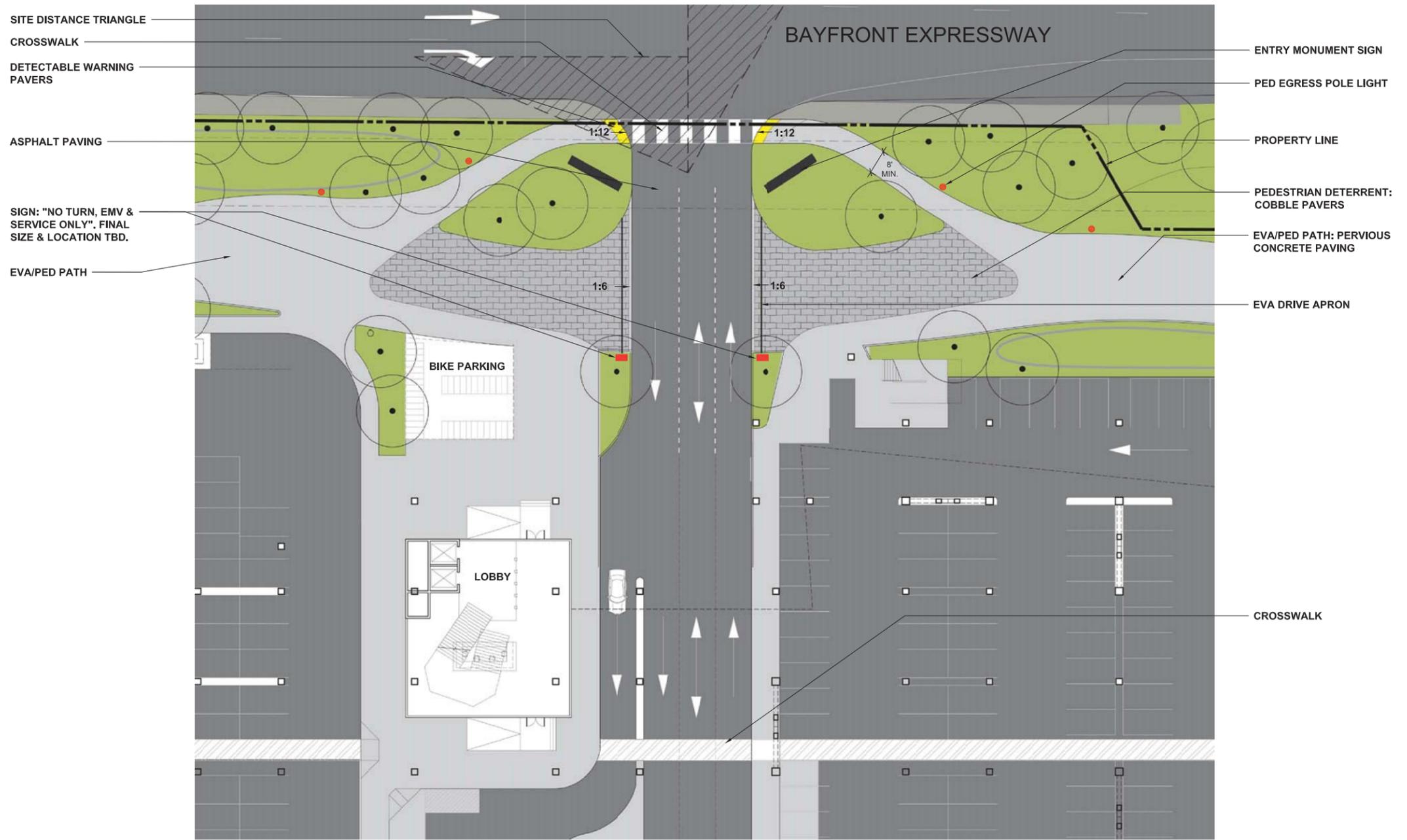
SECTION C



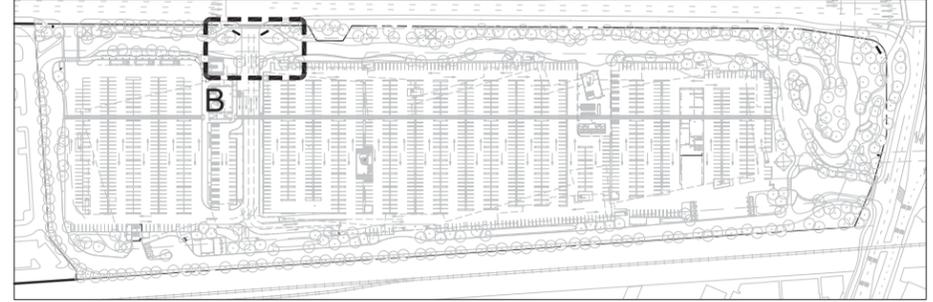


ENLARGEMENT PLAN A

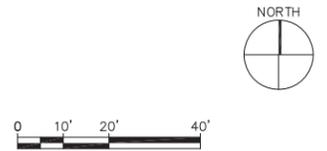




ENLARGEMENT KEY



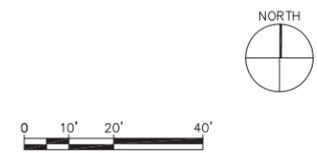
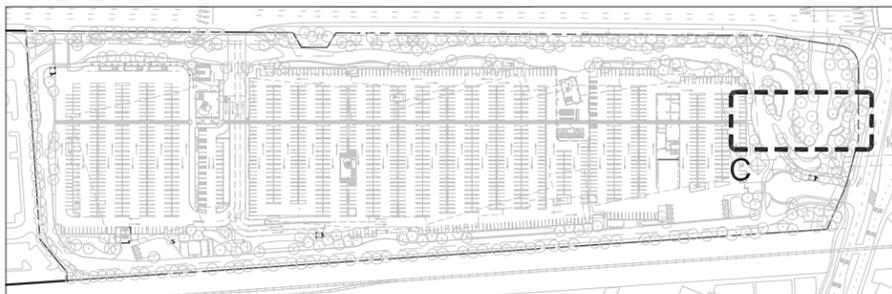
ENLARGEMENT PLAN B





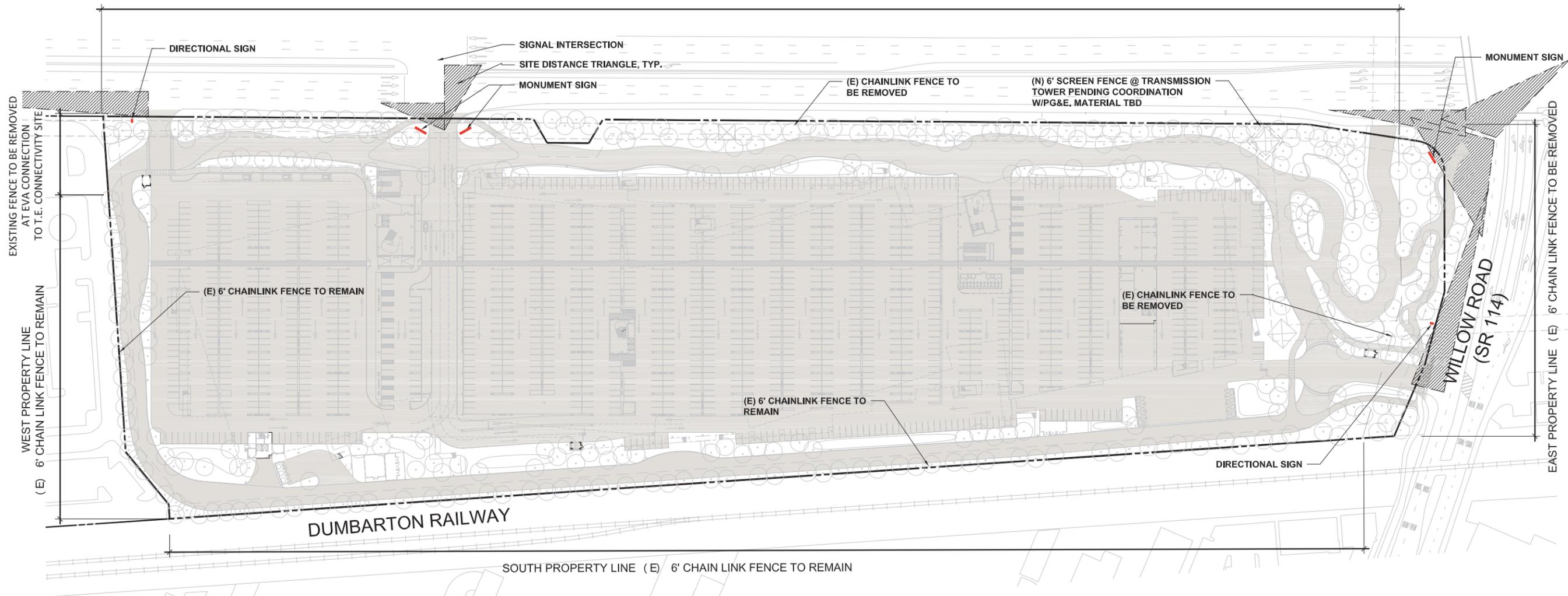
ENLARGEMENT PLAN C

ENLARGEMENT KEY



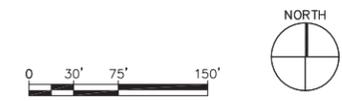
BAYFRONT EXPRESSWAY (SR 84)

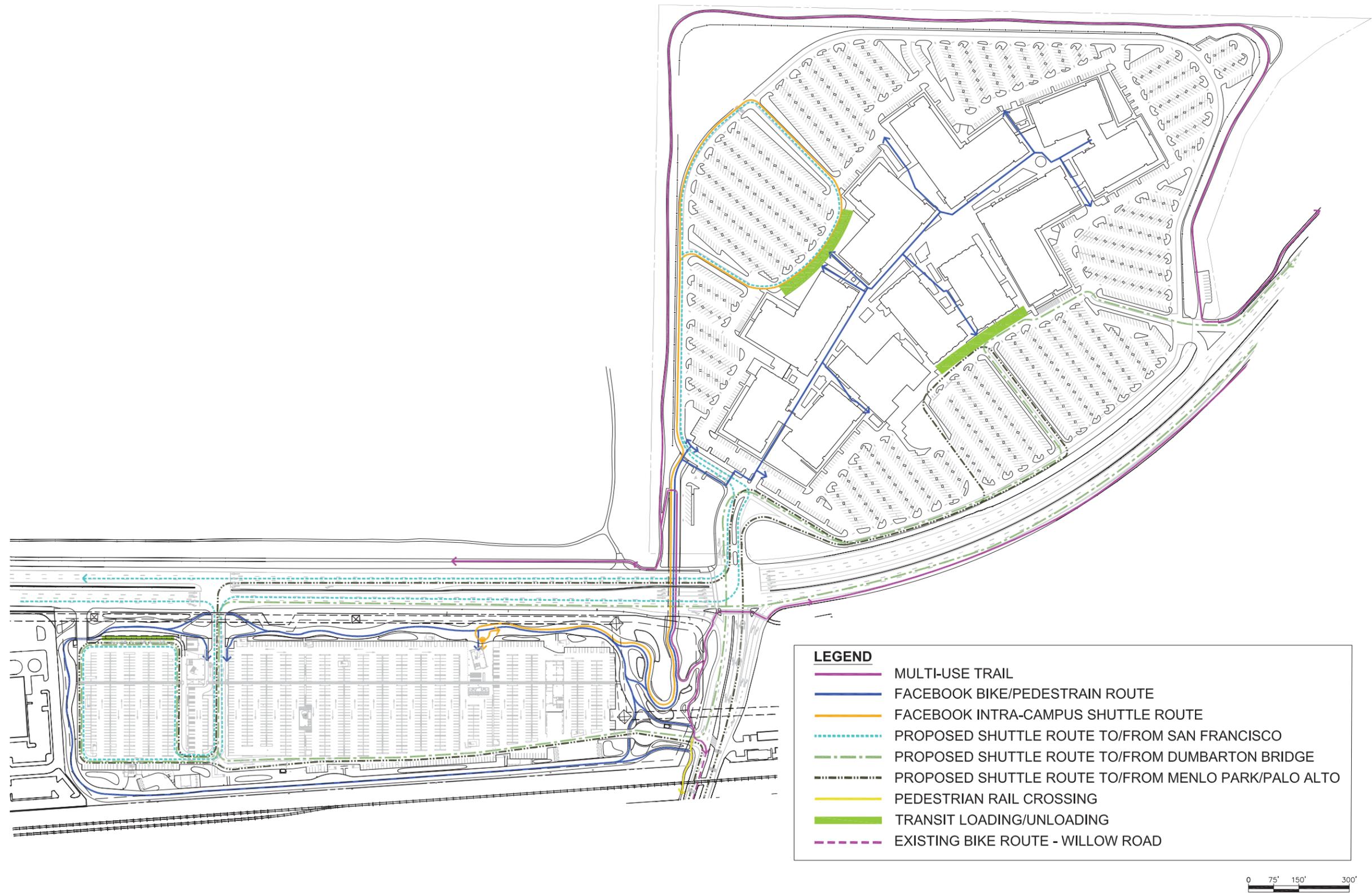
NORTH PROPERTY LINE (E) 6' CHAIN LINK FENCE TO BE REMOVED



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



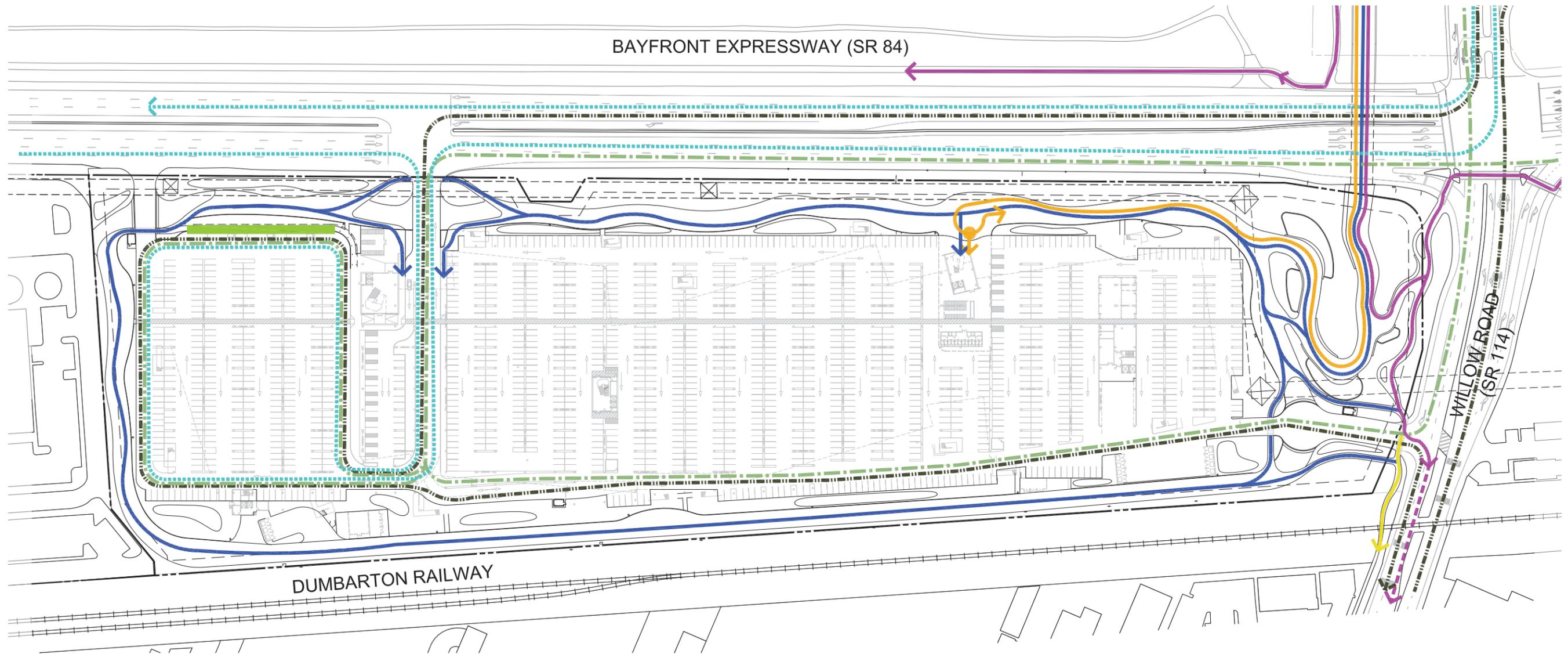


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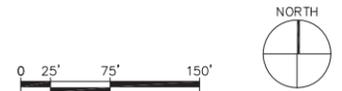
WL.3: CONNECTIVITY - BOTH CAMPUSES

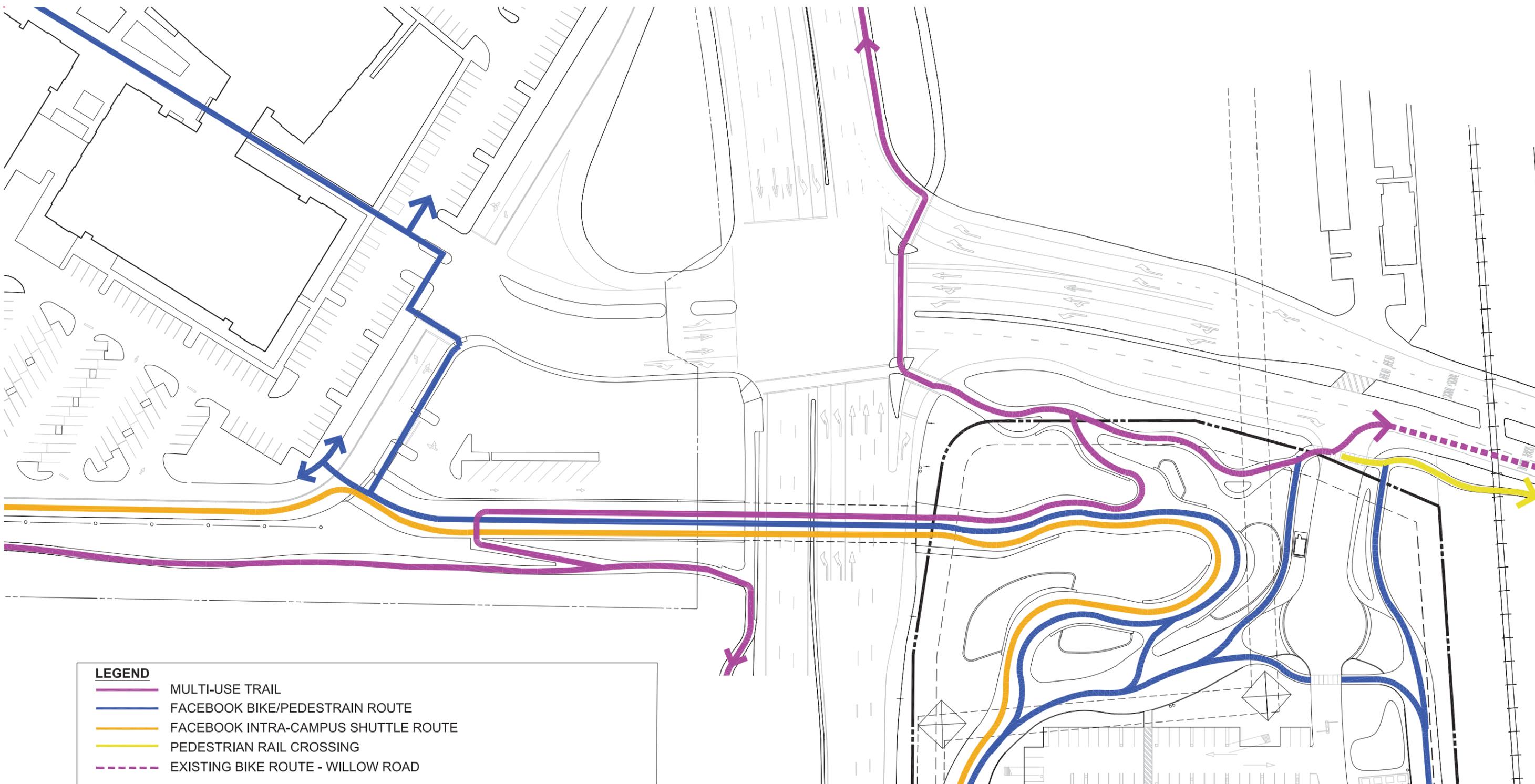
SCALE: 1"=150'
 11X17 SCALE IS 1"=300'
 DECEMBER 3 2012



LEGEND

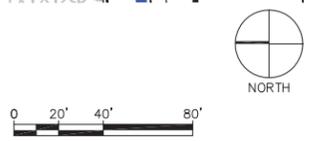
- MULTI-USE TRAIL
- FACEBOOK BIKE/PEDESTRAIN ROUTE
- FACEBOOK INTRA-CAMPUS SHUTTLE ROUTE
- - - PROPOSED SHUTTLE ROUTE TO/FROM SAN FRANCISCO
- - - PROPOSED SHUTTLE ROUTE TO/FROM DUMBARTON BRIDGE
- - - PROPOSED SHUTTLE ROUTE TO/FROM MENLO PARK/PALO ALTO
- PEDESTRIAN RAIL CROSSING
- TRANSIT LOADING/UNLOADING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

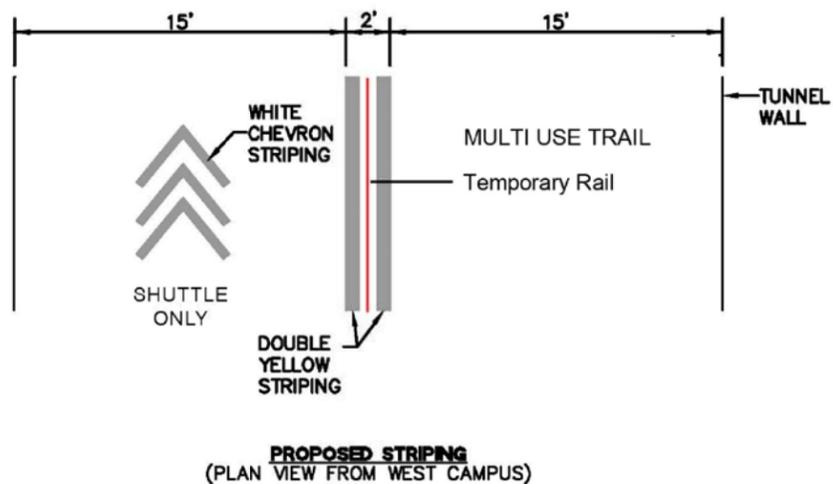
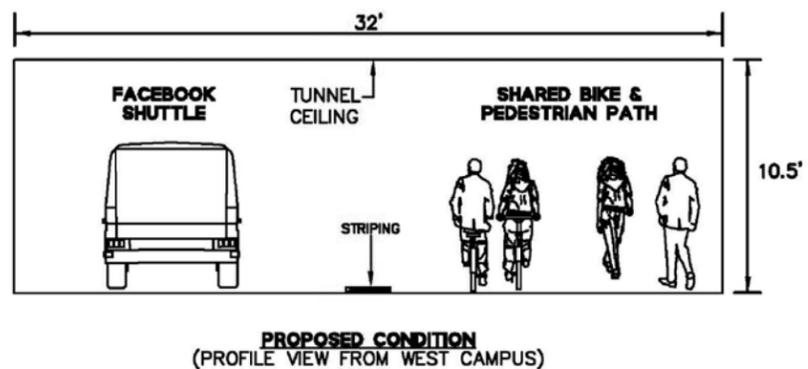
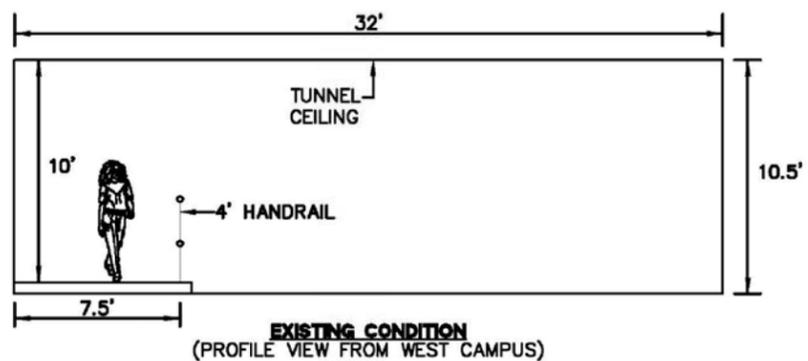


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WL.3.2: UNDERCROSSING CONNECTIVITY

SCALE: 1"=40'
 11X17 SCALE IS 1"=80'
 DECEMBER 3 2012



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WL.3.3: UNDERCROSSING SECTION

SCALE: VARIES
11X17 SCALE VARIES
DECEMBER 3 2012