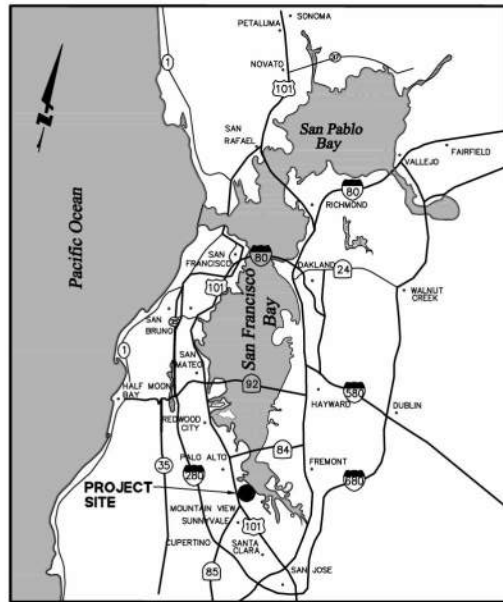


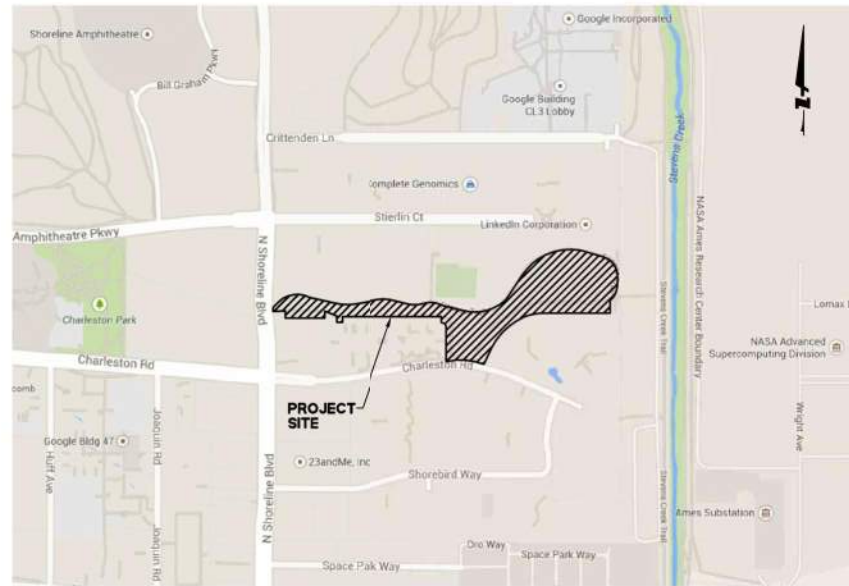
CHARLESTON RETENTION BASIN

BASIN BRIDGES AND HABITAT IMPROVEMENT PROJECT - FORMAL REVIEW

CITY OF MOUNTAIN VIEW SANTA CLARA COUNTY CALIFORNIA



VICINITY MAP
NTS



PROJECT LOCATION MAP
NTS

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PARKING COUNT

PARCEL ADDRESS	PARCEL APN	BUILDING SQUARE FOOTAGE	MAX PARKING PER PRECISE PLAN	EXISTING VEHICULAR PARKING SPACES	PROPOSED VEHICULAR PARKING REDUCTION	PROPOSED VEHICULAR PARKING ADDITION	PROPOSED VEHICULAR PARKING SPACES	PROPOSED PARKING REDUCTION
1200 CHARLESTON ROAD								
1210 CHARLESTON ROAD	116-11-012	121,536	329	441	52	0	389	12%
1220 CHARLESTON ROAD								
1230 CHARLESTON ROAD								
1250 CHARLESTON ROAD	116-11-013	25,044	68	104	22	0	82	21%
1300 CHARLESTON ROAD	116-11-014	38,205	104	158	4	0	154	2.5%
1350 CHARLESTON ROAD	116-11-020	51,834	140	160	63	8	105	34%
2011 STIERLIN COURT								
2015 STIERLIN COURT	116-11-037	355,490	960	1,005	1	0	1,004	0.1%
2017 STIERLIN COURT								
2081 STIERLIN COURT								
2019 STIERLIN COURT								
2025 STIERLIN COURT	116-11-036	742,084	2,004	2,543	0	0	2,543	0%
2027 STIERLIN COURT								
2029 STIERLIN COURT								
2051 STIERLIN COURT								
2061 STIERLIN COURT								
2071 STIERLIN COURT								
TOTAL				4,411	142	8	4,277	

DESIGN INTENT NARRATIVE

THE CHARLESTON RETENTION BASIN BRIDGES AND HABITAT IMPROVEMENT PROJECT CONSISTS OF REALIGNING AND IMPROVING PEDESTRIAN PATHS, CREATING A BICYCLE PATH IN THE SOUTHWESTERN QUADRANT, INSTALLING TWO PEDESTRIAN BRIDGES ACROSS THE RETENTION BASIN, AND EXPANDING AND ENHANCING NATIVE VEGETATION AND WILDLIFE HABITAT. THE PROJECT IMPROVEMENTS WILL ALSO BRING THE SITE INTO COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT, IMPROVE WATER QUALITY IN THE RETENTION BASIN, AND ENHANCE RECREATIONAL USER EXPERIENCE. THE PROPOSED REALIGNMENT OF PATHS WILL MOVE PATHS AWAY FROM THE RETENTION BASIN TO REDUCE DISTURBANCE OF WILDLIFE AND ALLOW FOR EXPANDED NATIVE HABITAT; CREATE SEPARATE PATHS FOR PEDESTRIAN AND BICYCLE USE; LINK THE PEDESTRIAN TRAIL NETWORK AROUND THE RETENTION BASIN TO LOCAL CIRCULATION PATTERNS; AND PROVIDE TRAIL FACILITIES SUCH AS PAUSE-POINTS AND AN OVERLOOK TO FACILITATE RECREATIONAL BIRDING AND NATURE APPRECIATION. THESE IMPROVEMENTS ARE PARTIALLY ACHIEVED BY THE REMOVAL OF PARKING, OTHER PAVED SURFACES, AND FORMAL LANDSCAPING ON THE PARCELS ADJACENT TO THE CITY'S PARCEL. A PORTION OF THE SITE'S EXISTING TREES WILL BE REMOVED FOR BOTH THE INFRASTRUCTURE AND HABITAT IMPROVEMENT ELEMENTS OF THE PROJECT. THE TWO PROPOSED BRIDGES WILL BE LOCATED TO ADDRESS THE CURRENT CIRCULATION NEEDS OF PEDESTRIANS AND TO AVOID DISTURBANCE OF THE MOST SENSITIVE HABITAT AREA LOCATED AT THE EASTERN END OF THE RETENTION BASIN. THE BRIDGES WILL BE ALIGNED TO MINIMIZE REMOVAL OF TREES (ESPECIALLY NATIVE TREES), TO SPAN NARROWER PARTS OF THE BASIN, AND TO FACILITATE THE FLOW OF PEDESTRIANS. THE BRIDGES WILL BE PREFABRICATED CLEAR-SPAN STRUCTURES THAT WILL LIMIT DISRUPTION OF BIRD MOVEMENTS IN THE BASIN. FIVE DISTINCT NATIVE HABITAT TYPES WILL BE INSTALLED AROUND THE BASIN'S PERIMETER, INCLUDING EMERGENT MARSH, WILLOW FOREST, COTTONWOOD FOREST, MIXED OAK WOODLAND, AND FLORAL VISITOR HABITAT.

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PLOT DATE: 09-17-15
PLOTTED BY: som

CHARLESTON RETENTION BASIN
BASIN BRIDGES AND HABITAT IMPROVEMENT PROJECT

TITLE SHEET
MOUNTAIN VIEW, CALIFORNIA

DATE: 09.18.2015
SCALE: AS SHOWN
DRAWN BY: JYLB
PROJECT NO: 20130122
SHEET

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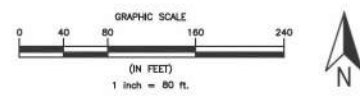
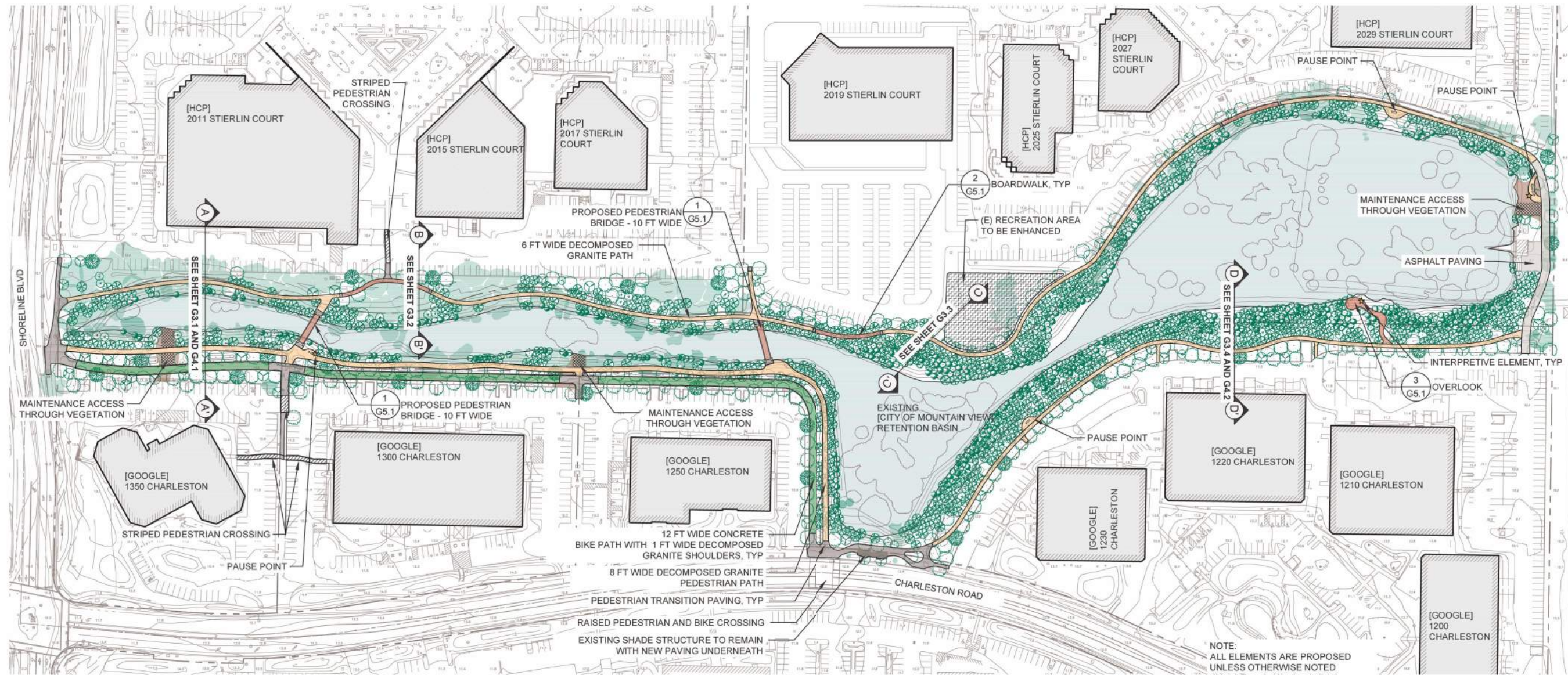
CHARLESTON RETENTION BASIN BRIDGES
AND HABITAT IMPROVEMENT PROJECT

ILLUSTRATIVE SITE PLAN
MOUNTAIN VIEW, CALIFORNIA

DATE: 09.18.2015
SCALE: AS SHOWN
DRAWN BY: CS, LDS, SVL
PROJECT NO: 20130122
SHEET

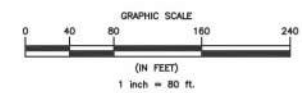
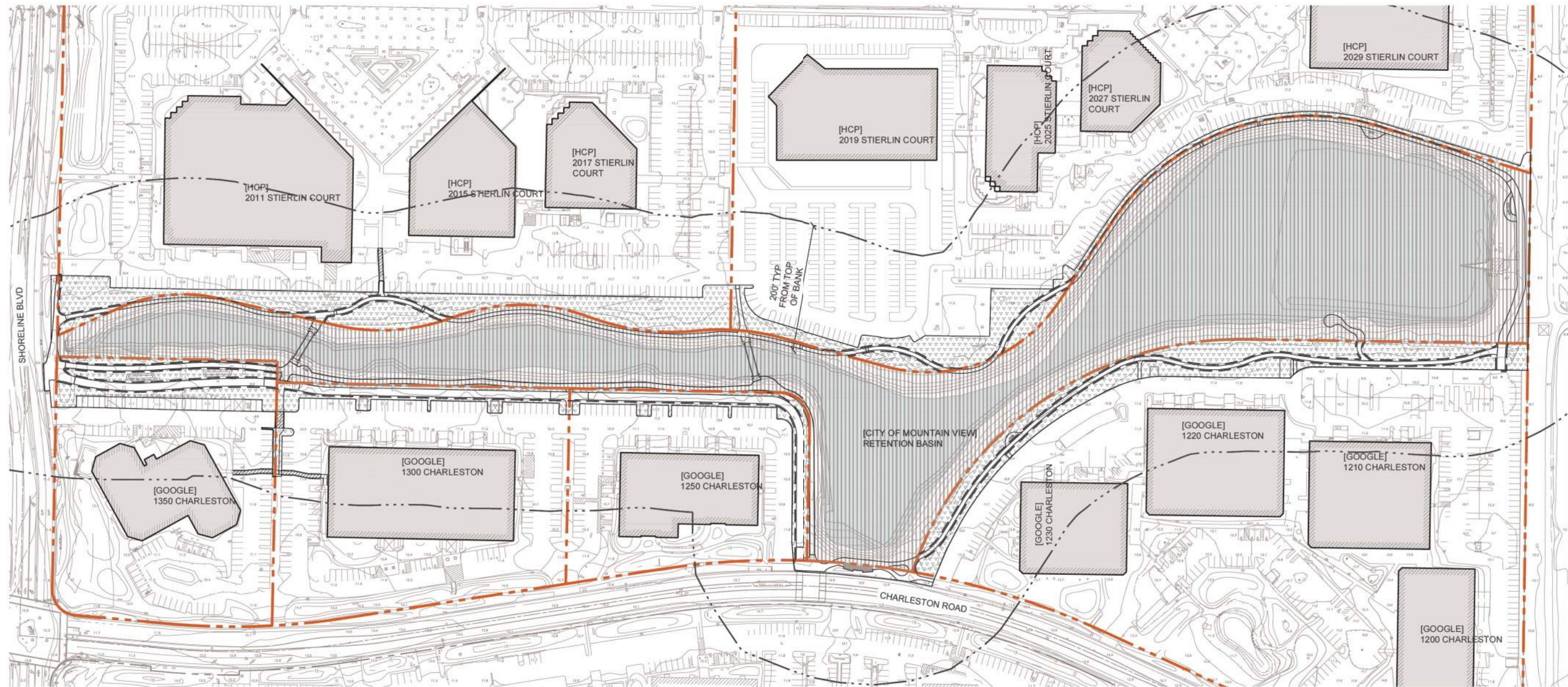
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LOT DATE: 09-17-15 PLOTTED BY: cstrasser



LEGEND	
	BIKE PATH
	PEDESTRIAN PATH AND PAUSE POINT
	PEDESTRIAN TRANSITION PAVING
	ASPHALT PAVING
	MAINTENANCE ACCESS THROUGH VEGETATION
	RETENTION BASIN (JURISDICTIONAL WATERS)
	INTERPRETIVE ELEMENT
	EXISTING TREE CANOPY TO REMAIN

RAWING NAME: G:\Active Projects\3475_Google\10_Christian Basin_PSC - Formal Review\Working Drawings\3475-10_001_Open Space Plan_2015.09.16.dwg
 LOT DATE: 09-16-15 PLOTTED BY: catrasse



LEGEND	
	PUBLICLY OWNED OPEN SPACE
	PRIVATELY OWNED OPEN SPACE
	PROPOSED ACCESS EASEMENT
	RETENTION BASIN
	PARCEL BOUNDARY
	HABITAT OVERLAY ZONE (HOZ)

NOTE:
 THE PROPOSED ACCESS EASEMENT IS BASED ON CURRENT SITE SURVEY INFORMATION. ACCESS EASEMENT TO BE UPDATED IN SUBSEQUENT SUBMITTALS.



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 BUILDING D
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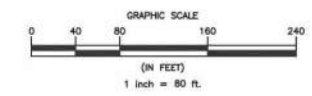
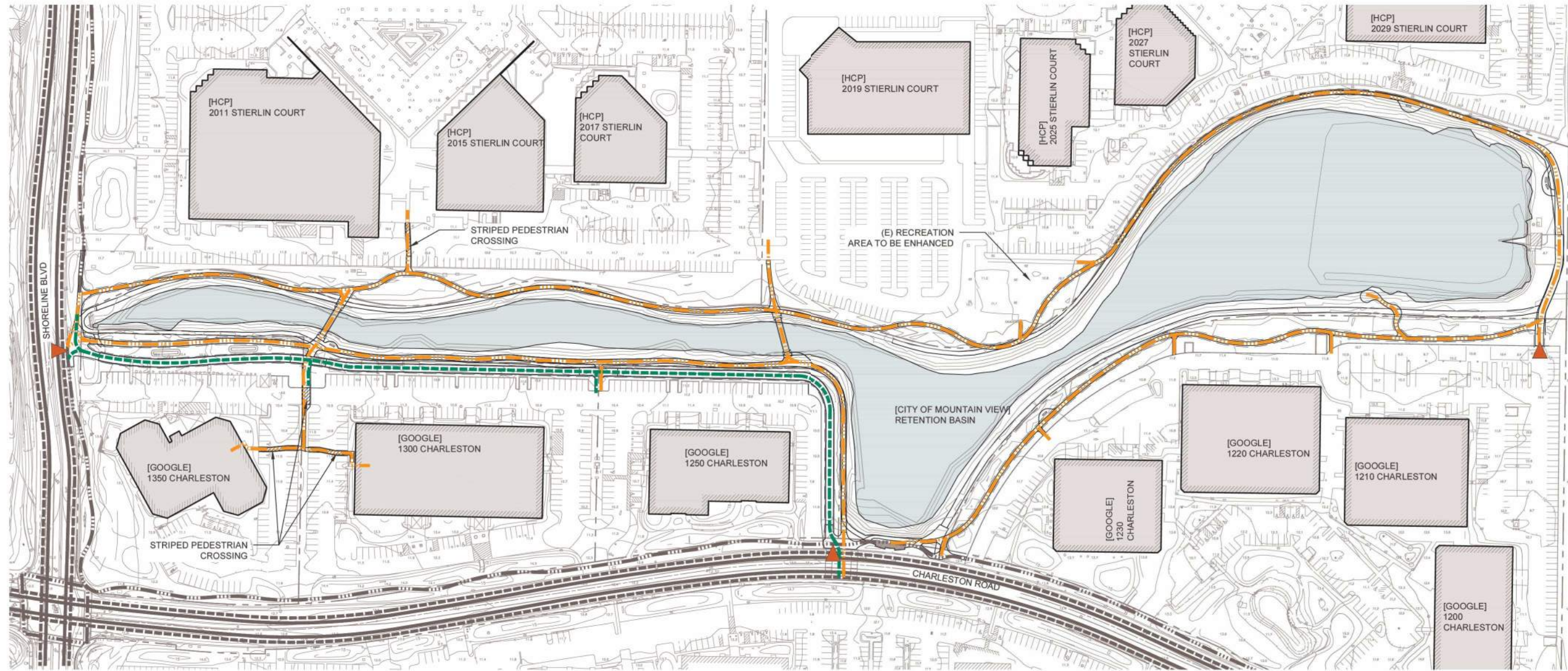
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CHARLESTON RETENTION BASIN BRIDGES
 AND HABITAT IMPROVEMENT PROJECT

OPEN SPACE PLAN
 MOUNTAIN VIEW, CALIFORNIA

DATE: 09.18.2015
 SCALE: AS SHOWN
 DRAWN BY: CS, LDS, SVL
 PROJECT NO: 20130122
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 LOT DATE: 09-16-15 PLOTTED BY: catrasse



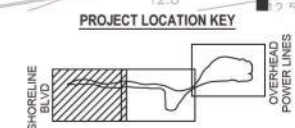
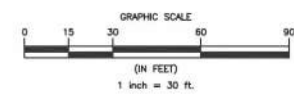
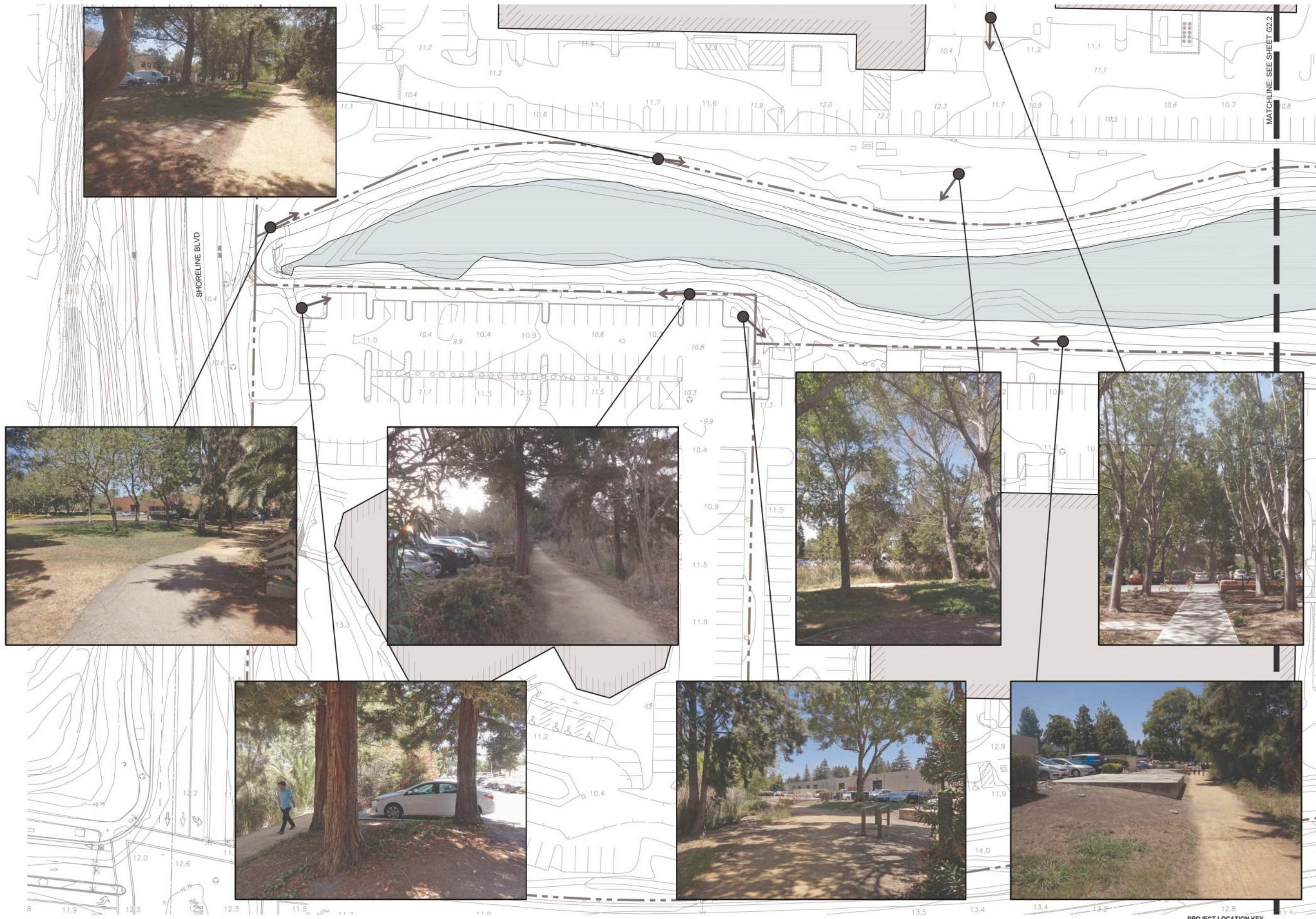
LEGEND	
	(P) PEDESTRIAN CIRCULATION
	(P) BIKE CIRCULATION
	(P) MAINTENANCE ACCESS
	(E) PEDESTRIAN CIRCULATION
	(E) BIKE CIRCULATION
	(E) VEHICULAR CIRCULATION
	(E) PATH TO BE REMOVED

CHARLESTON RETENTION BASIN BRIDGES
 AND HABITAT IMPROVEMENT PROJECT
 CIRCULATION PLAN
 MOUNTAIN VIEW, CALIFORNIA

DATE: 09.18.2015
 SCALE: AS SHOWN
 DRAWN BY: CS, LDS, SVL
 PROJECT NO: 20130122
 SHEET

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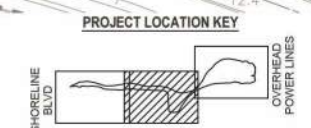
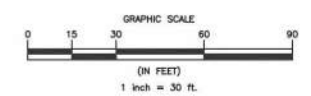


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**CHARLESTON RETENTION BASIN BRIDGES
 AND HABITAT IMPROVEMENT PROJECT -
 EXISTING CONDITIONS PHOTO BOARD -
 WEST
 MOUNTAIN VIEW, CALIFORNIA**

DATE: 09.18.2015
 SCALE: AS SHOWN
 DRAWN BY: CS, LDS, SVL
 PROJECT NO: 20130122
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 LOT DATE: 09-16-15 PLOTTED BY: catraase



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CHARLESTON RETENTION BASIN BRIDGES
 AND HABITAT IMPROVEMENT PROJECT
 EXISTING CONDITIONS PHOTO BOARD -
 CENTER
 MOUNTAIN VIEW, CALIFORNIA

DATE: 09.18.2015
 SCALE: AS SHOWN
 DRAWN BY: CS, LDS, SVL
 PROJECT NO: 20130122
 SHEET

G2.2



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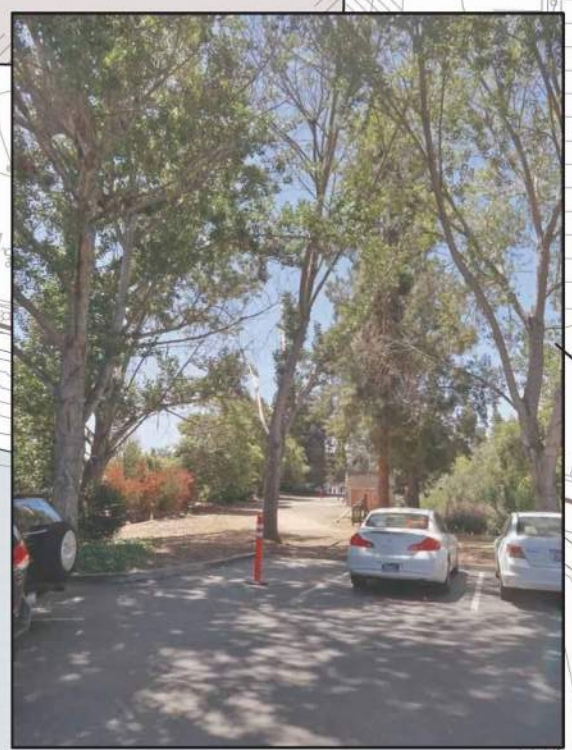
ENGINEERS / SURVEYORS / PLANNERS
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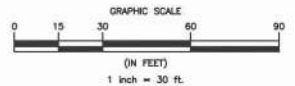
CHARLESTON RETENTION BASIN BRIDGES
AND HABITAT IMPROVEMENT PROJECT
EXISTING CONDITIONS PHOTO BOARD -
EAST
MOUNTAIN VIEW, CALIFORNIA

DATE: 09.18.2015
SCALE: AS SHOWN
DRAWN BY: CS, LDS, SVL
PROJECT NO: 20130122
SHEET

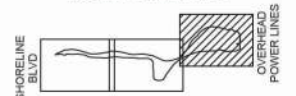
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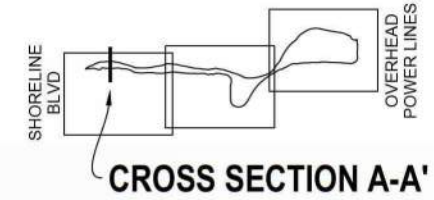


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LOT DATE: 09-16-15 PLOTTED BY: catrasse



PROJECT LOCATION KEY





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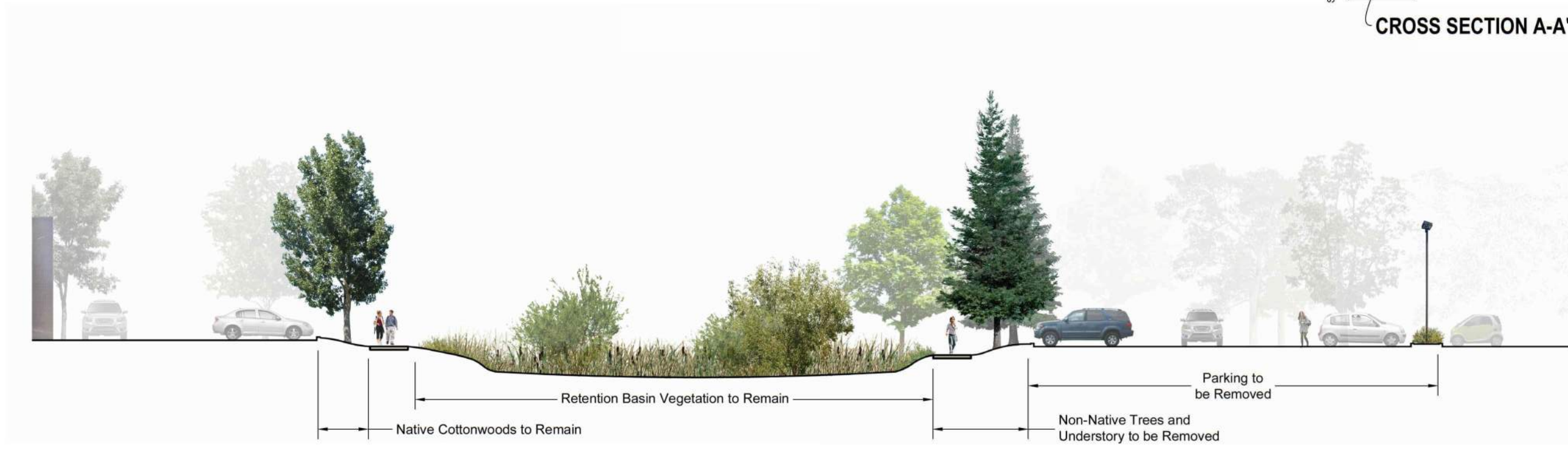
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CHARLESTON RETENTION BASIN BRIDGES
AND HABITAT IMPROVEMENT PROJECT
NEIGHBORHOOD CONTEXT (1)
MOUNTAIN VIEW, CALIFORNIA

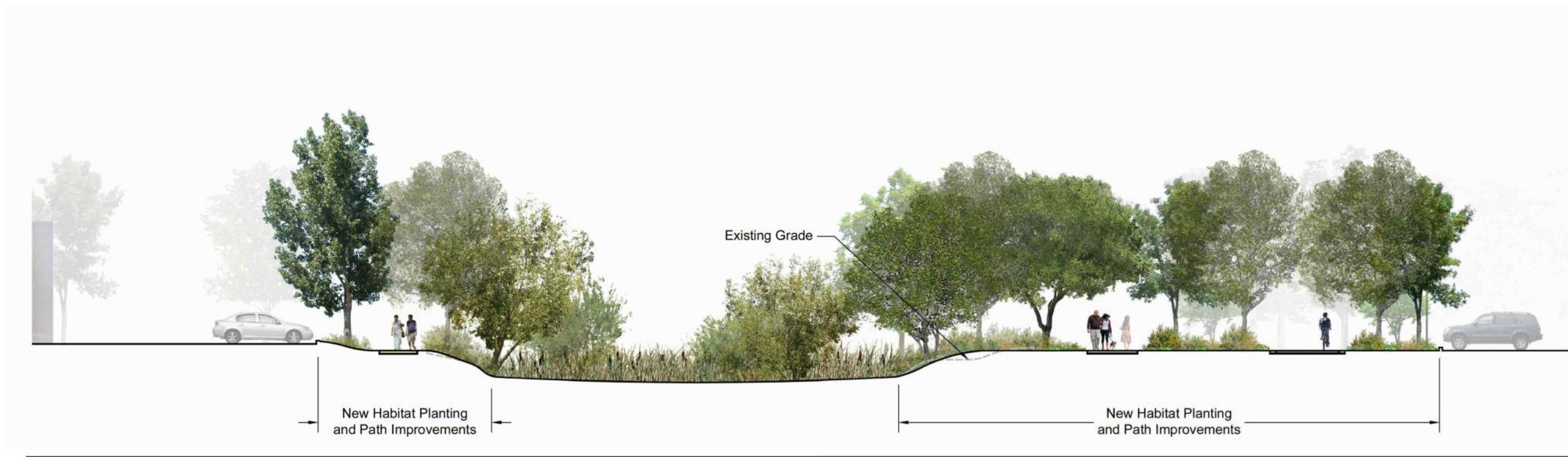
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PROJECT NO: 20130122
SHEET

G3.1

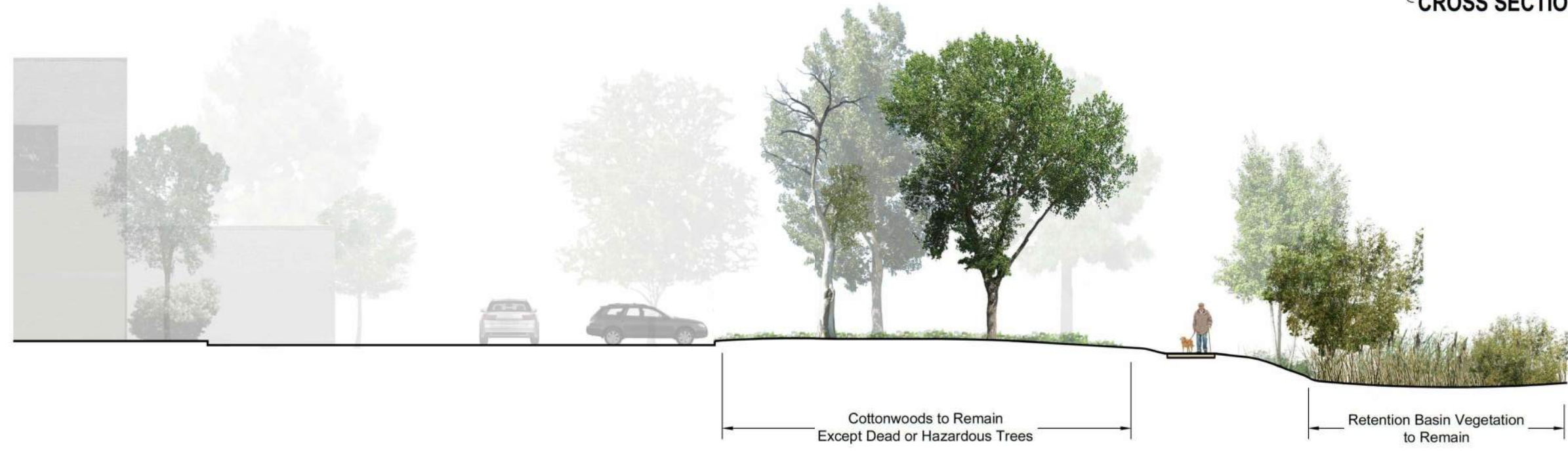
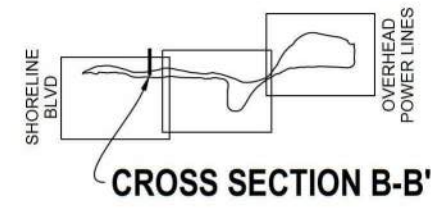
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LOT DATE: 09-16-15 PLOTTED BY: cstrasser



EXISTING CONDITIONS
Not to Scale



PROPOSED CONDITIONS (YEAR 15)
Not to Scale



EXISTING CONDITIONS

Not to Scale



PROPOSED CONDITIONS (YEAR 15)

Not to Scale

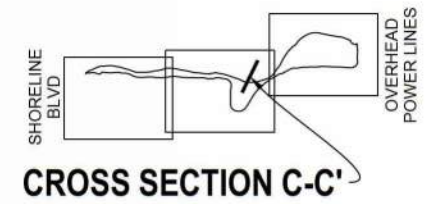
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CHARLESTON RETENTION BASIN BRIDGES
 AND HABITAT IMPROVEMENT PROJECT
 NEIGHBORHOOD CONTEXT (2)
 MOUNTAIN VIEW, CALIFORNIA

DATE: 09.18.2015
 SCALE: AS SHOWN
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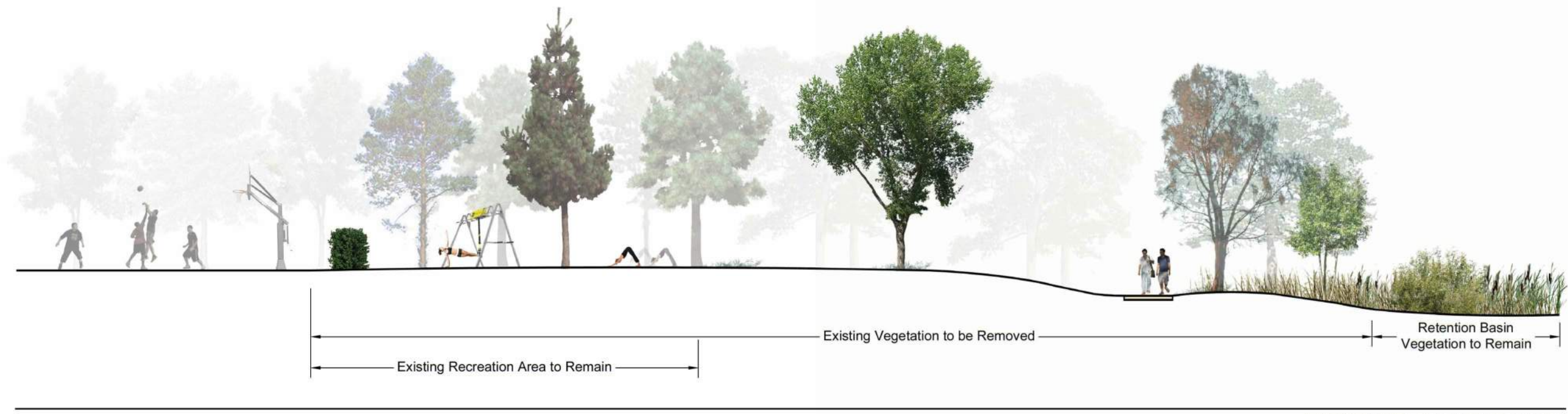
CHARLESTON RETENTION BASIN BRIDGES
AND HABITAT IMPROVEMENT PROJECT

NEIGHBORHOOD CONTEXT (3)
MOUNTAIN VIEW, CALIFORNIA

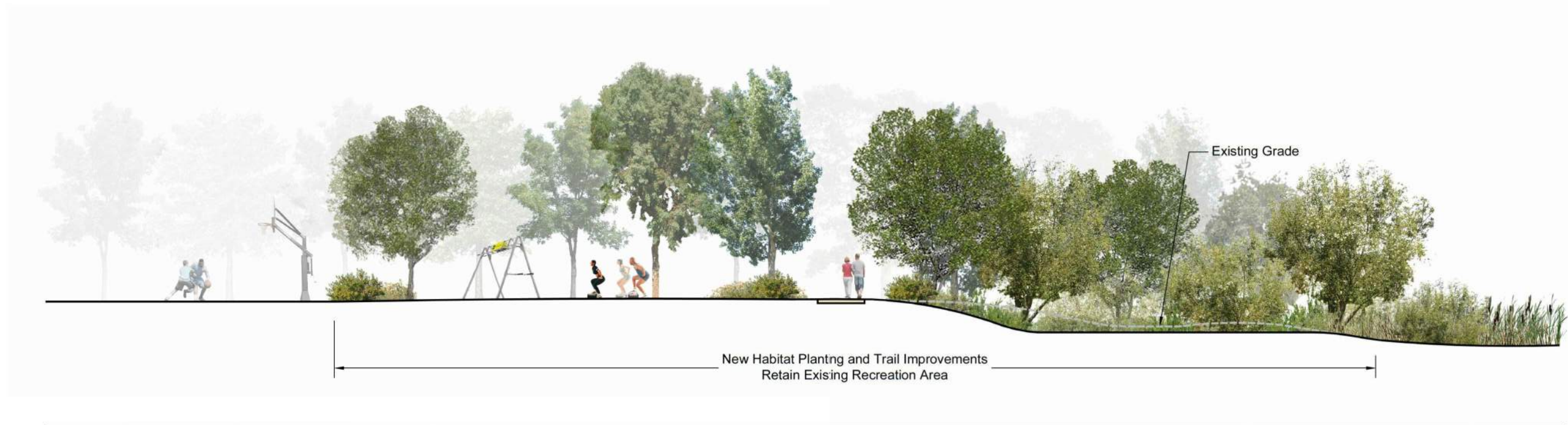
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PROJECT NO: 20130122
SHEET

G3.3

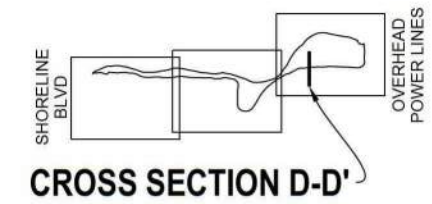
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LOT DATE: 09-16-15 PLOTTED BY: cstrasser



EXISTING CONDITIONS
Not to Scale



PROPOSED CONDITIONS (YEAR 15)
Not to Scale



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EXISTING CONDITIONS

Not to Scale



PROPOSED CONDITIONS (YEAR 15)

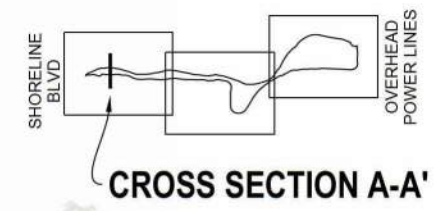
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LOT DATE: 09-16-15 PLOTTED BY: cstrasser

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CHARLESTON RETENTION BASIN BRIDGES
AND HABITAT IMPROVEMENT PROJECT
NEIGHBORHOOD CONTEXT (4)
MOUNTAIN VIEW, CALIFORNIA

DATE: 09.18.2015
SCALE: AS SHOWN
DRAWN BY: CS, LDS, SVL
PROJECT NO: 20130122
SHEET



FORMAL REVIEW SET
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CHARLESTON RETENTION BASIN BRIDGES
AND HABITAT IMPROVEMENT PROJECT
GROWTH SIMULATION (1)
MOUNTAIN VIEW, CALIFORNIA

DATE: 09.18.2015
SCALE: AS SHOWN
DRAWN BY: CS, LDS, SVL
PROJECT NO: 20130122
SHEET

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LOT DATE: 09-16-15 PLOTTED BY: cstrasser



YEAR 1
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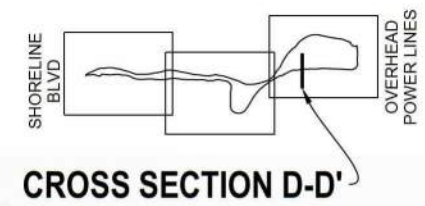


YEAR 5
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YEAR 15
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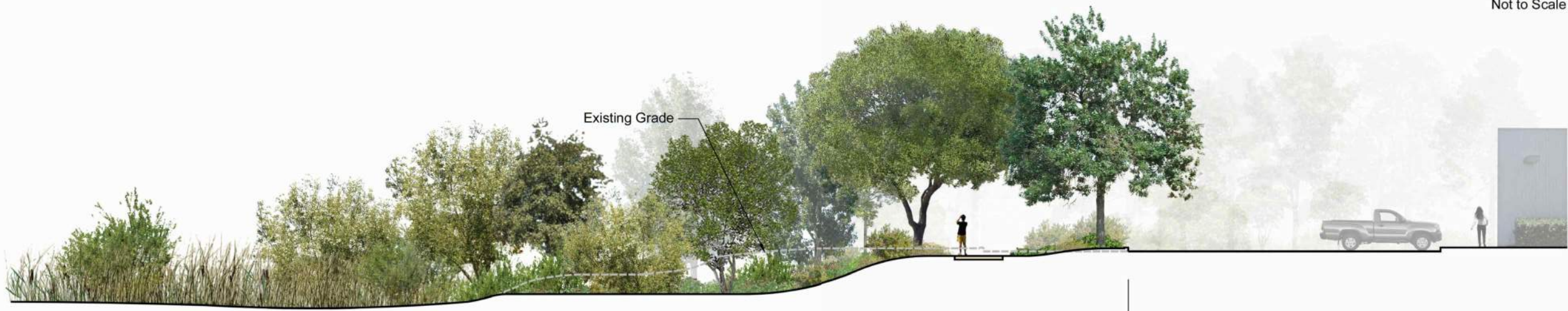




YEAR 1
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YEAR 5
Not to Scale



YEAR 15
Not to Scale

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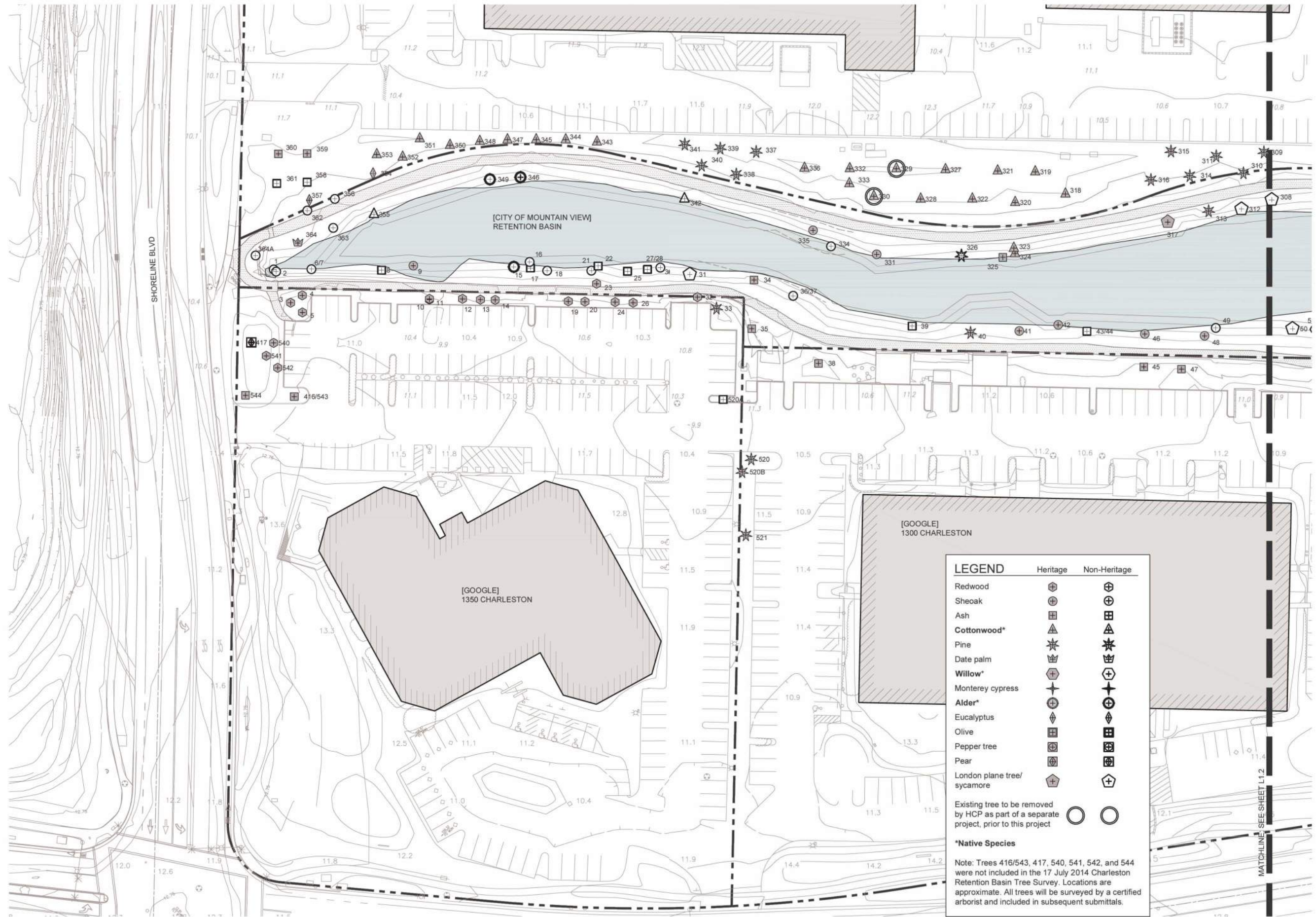
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CHARLESTON RETENTION BASIN BRIDGES
AND HABITAT IMPROVEMENT PROJECT

GROWTH SIMULATION (2)
MOUNTAIN VIEW, CALIFORNIA

DATE: 09.18.2015
SCALE: AS SHOWN
DRAWN BY: CS, LDS, SVL
PROJECT NO: 20130122
SHEET

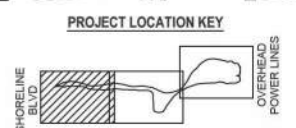
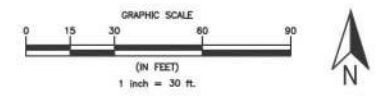
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 LOT DATE: 09-16-15 PLOTTED BY: catrose



LEGEND	Heritage	Non-Heritage
Redwood	⊕	⊕
Sheoak	⊕	⊕
Ash	⊕	⊕
Cottonwood*	⊕	⊕
Pine	⊕	⊕
Date palm	⊕	⊕
Willow*	⊕	⊕
Monterey cypress	⊕	⊕
Alder*	⊕	⊕
Eucalyptus	⊕	⊕
Olive	⊕	⊕
Pepper tree	⊕	⊕
Pear	⊕	⊕
London plane tree/ sycamore	⊕	⊕
Existing tree to be removed by HCP as part of a separate project, prior to this project	○	○

***Native Species**

Note: Trees 416/543, 417, 540, 541, 542, and 544 were not included in the 17 July 2014 Charleston Retention Basin Tree Survey. Locations are approximate. All trees will be surveyed by a certified arborist and included in subsequent submittals.



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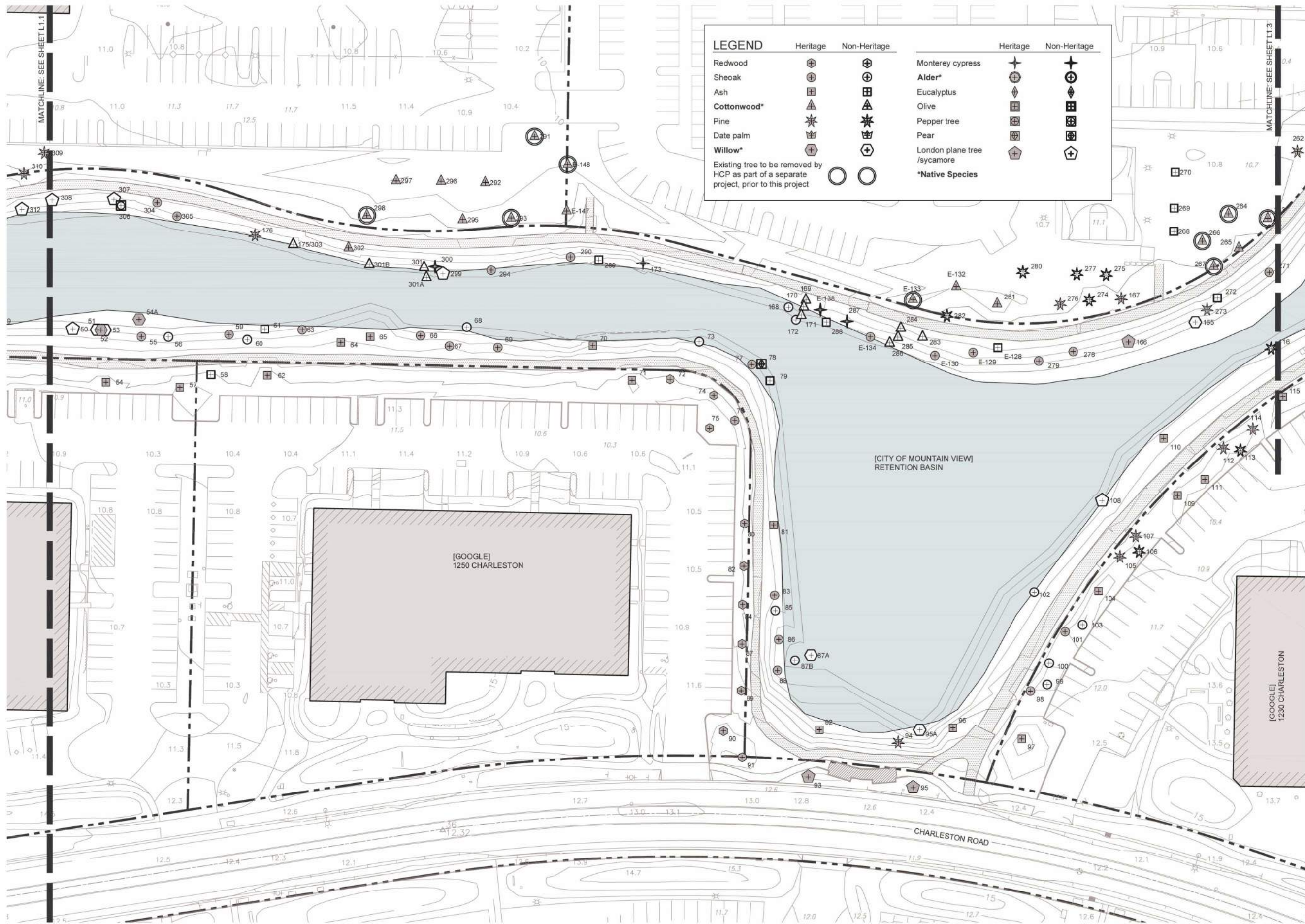
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CHARLESTON RETENTION BASIN BRIDGES
 AND HABITAT IMPROVEMENT PROJECT
 EXISTING TREE LOCATIONS - WEST
 MOUNTAIN VIEW, CALIFORNIA

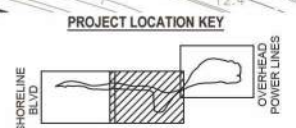
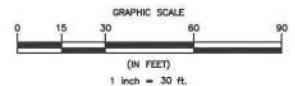
DATE: 09.18.2015
 SCALE: AS SHOWN
 DRAWN BY: CS, LDS, SVL
 PROJECT NO: 20130122
 SHEET

FORMAL REVIEW SET
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DRAWING NAME: C:\Active Projects\3475_Google\10_Charleston Basin_PSE\PSE - Formal Review\Working Drawings\3475-10_L01_Existing Trees_2015.09.16.dwg
 LOT DATE: 09-16-15 PLOTTED BY: catrasse



LEGEND		Heritage	Non-Heritage	Heritage	Non-Heritage
Redwood	⊕	⊕	⊕	⊕	⊕
Sheoak	⊕	⊕	⊕	⊕	⊕
Ash	⊕	⊕	⊕	⊕	⊕
Cottonwood*	⊕	⊕	⊕	⊕	⊕
Pine	⊕	⊕	⊕	⊕	⊕
Date palm	⊕	⊕	⊕	⊕	⊕
Willow*	⊕	⊕	⊕	⊕	⊕
Existing tree to be removed by HCP as part of a separate project, prior to this project					
Monterey cypress	⊕	⊕	⊕	⊕	⊕
Alder*	⊕	⊕	⊕	⊕	⊕
Eucalyptus	⊕	⊕	⊕	⊕	⊕
Olive	⊕	⊕	⊕	⊕	⊕
Pepper tree	⊕	⊕	⊕	⊕	⊕
Pear	⊕	⊕	⊕	⊕	⊕
London plane tree /sycamore	⊕	⊕	⊕	⊕	⊕
*Native Species					

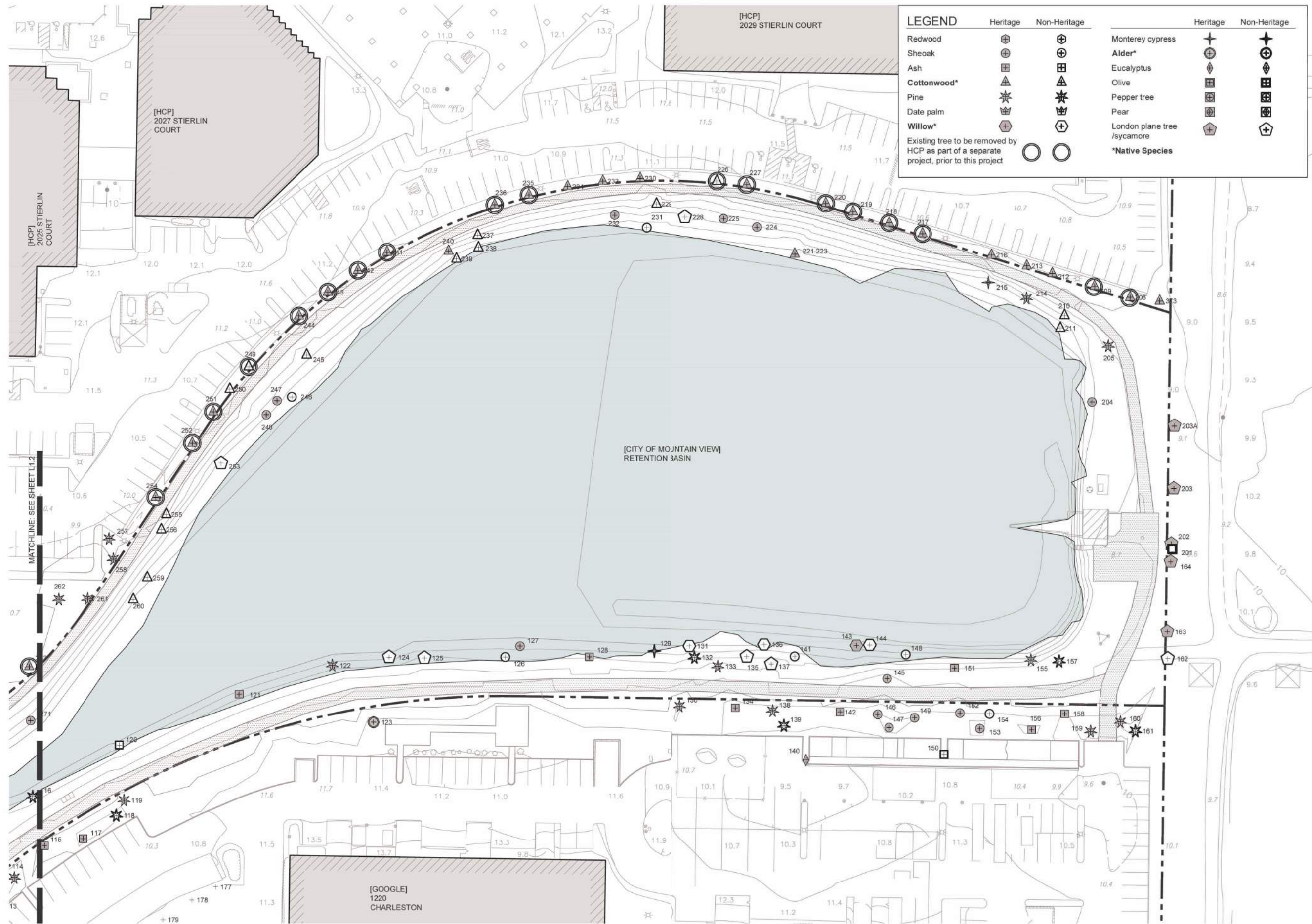


CHARLESTON RETENTION BASIN BRIDGES AND HABITAT IMPROVEMENT PROJECT
 EXISTING TREE LOCATIONS - CENTER MOUNTAIN VIEW, CALIFORNIA

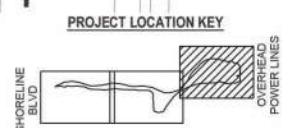
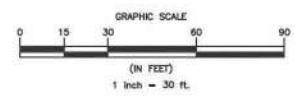
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 DRAWN BY: CS, LDS, SVL
 PROJECT NO: 20130122
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FORMAL REVIEW SET
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 LOT DATE: 09-16-15 PLOTTED BY: castro



LEGEND		Heritage	Non-Heritage	Heritage	Non-Heritage	
Redwood				Monterey cypress		
Sheoak				Alder*		
Ash				Eucalyptus		
Cottonwood*				Olive		
Pine				Pepper tree		
Date palm				Pear		
Willow*				London plane tree /sycamore		
Existing tree to be removed by HCP as part of a separate project, prior to this project				*Native Species		



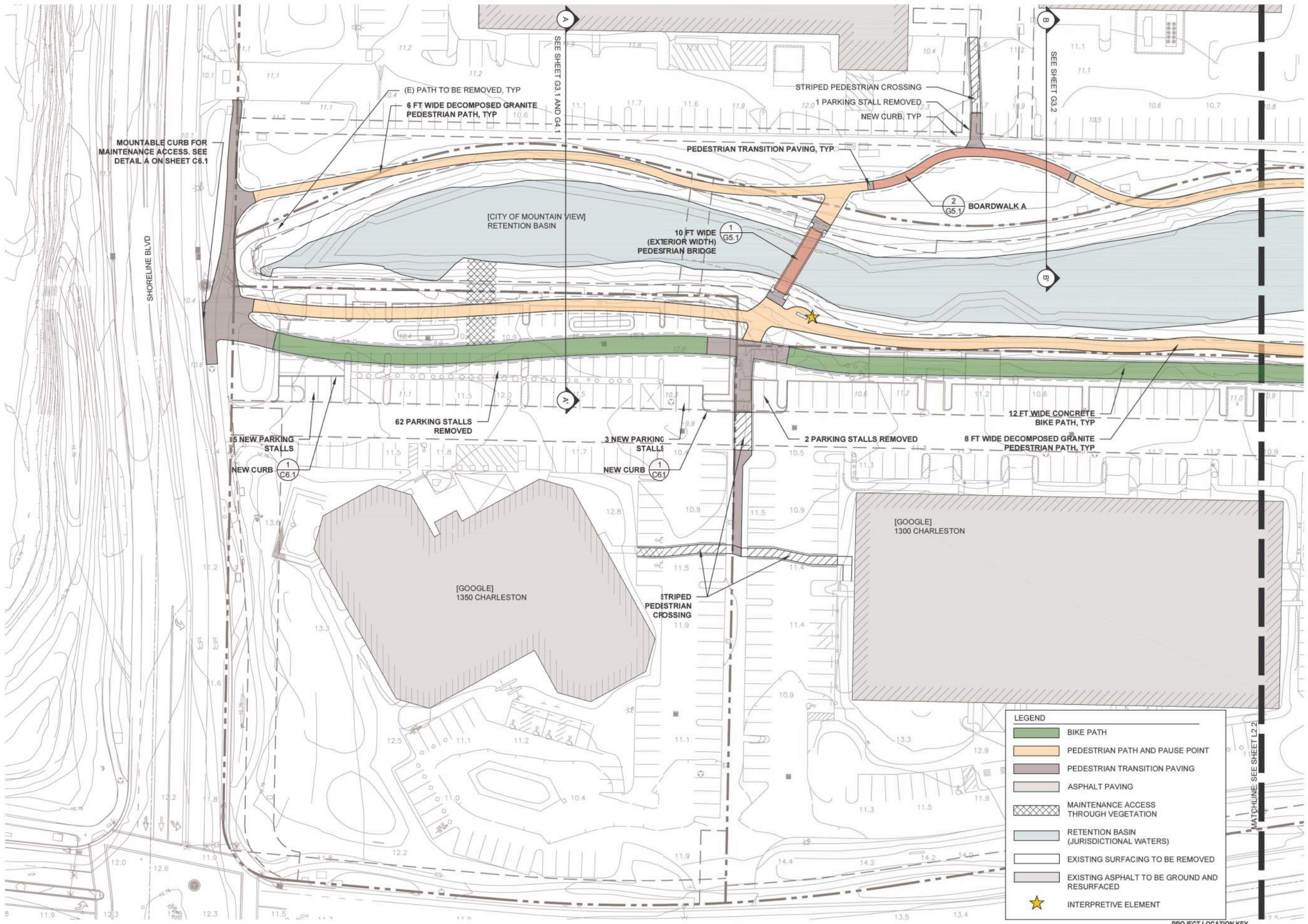
CHARLESTON RETENTION BASIN BRIDGES AND HABITAT IMPROVEMENT PROJECT
 EXISTING TREE LOCATIONS - EAST MOUNTAIN VIEW, CALIFORNIA

DATE: 09.18.2015
 SCALE: AS SHOWN
 DRAWN BY: CS, LDS, SVL
 PROJECT NO: 20130122
 SHEET

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CHARLESTON RETENTION BASIN BRIDGES
AND HABITAT IMPROVEMENT PROJECT
SITE LAYOUT PLAN - WEST
MOUNTAIN VIEW, CALIFORNIA

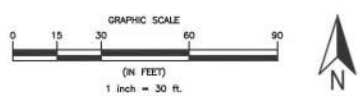
DATE: 09.18.2015
SCALE: AS SHOWN
DRAWN BY: CS, LDS, SVL
PROJECT NO: 20130122
SHEET



LEGEND

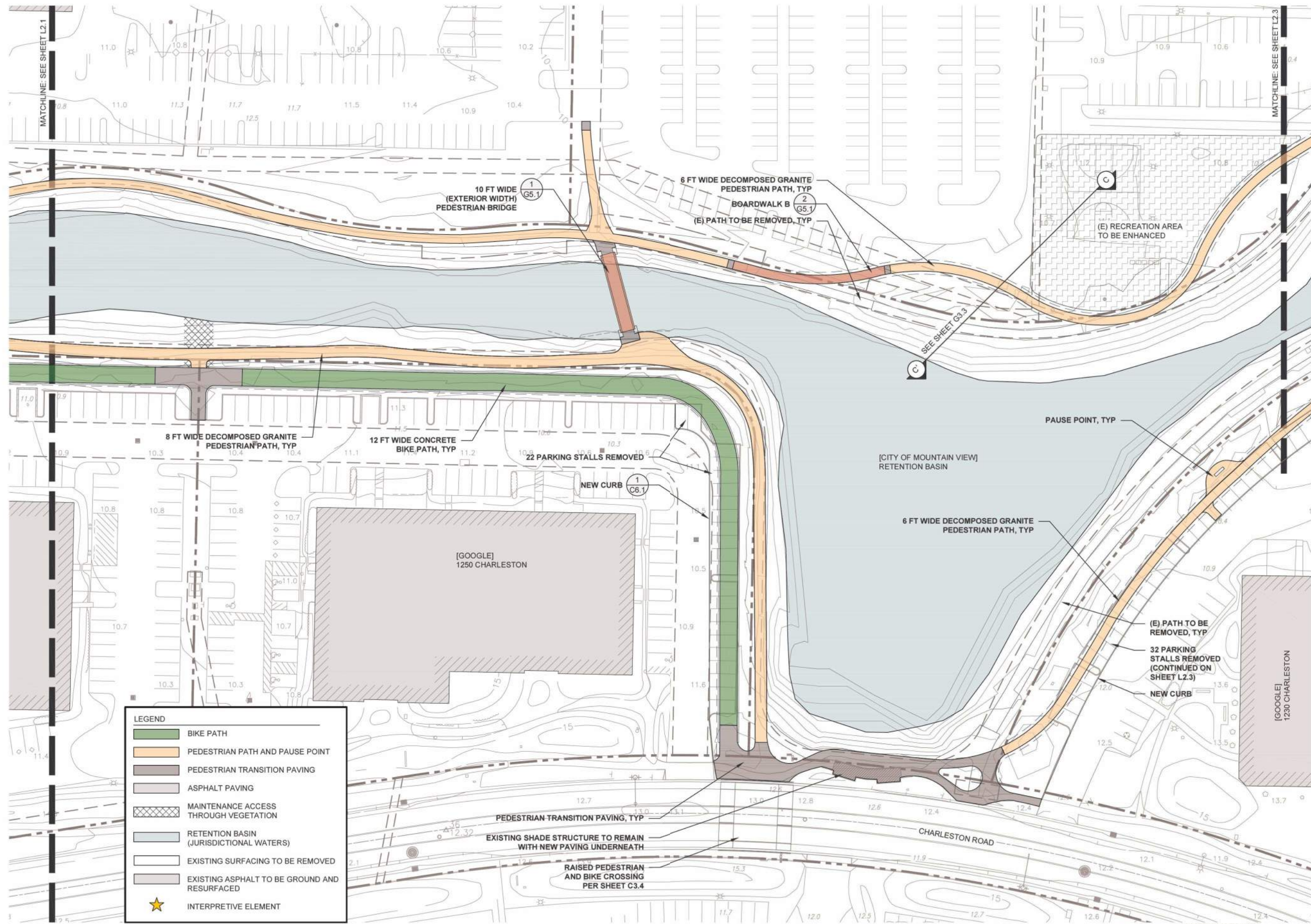
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	PEDESTRIAN PATH AND PAUSE POINT
	PEDESTRIAN TRANSITION PAVING
	ASPHALT PAVING
	MAINTENANCE ACCESS THROUGH VEGETATION
	RETENTION BASIN (JURISDICTIONAL WATERS)
	EXISTING SURFACING TO BE REMOVED
	EXISTING ASPHALT TO BE GROUND AND RESURFACED
	INTERPRETIVE ELEMENT

PROJECT LOCATION KEY

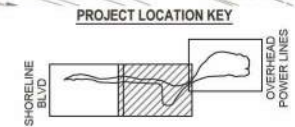
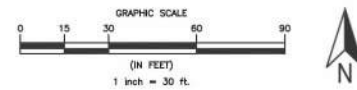


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LOT DATE: 09-16-15 PLOTTED BY: catrasse

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 LOT DATE: 09-16-15 PLOTTED BY: catrasse



LEGEND	
	BIKE PATH
	PEDESTRIAN PATH AND PAUSE POINT
	PEDESTRIAN TRANSITION PAVING
	ASPHALT PAVING
	MAINTENANCE ACCESS THROUGH VEGETATION
	RETENTION BASIN (JURISDICTIONAL WATERS)
	EXISTING SURFACING TO BE REMOVED
	EXISTING ASPHALT TO BE GROUND AND RESURFACED
	INTERPRETIVE ELEMENT



CHARLESTON RETENTION BASIN BRIDGES AND HABITAT IMPROVEMENT PROJECT
SITE LAYOUT PLAN - CENTER
MOUNTAIN VIEW, CALIFORNIA

DATE: 09.18.2015
 SCALE: AS SHOWN
 DRAWN BY: CS, LDS, SVL
 PROJECT NO: 20130122
 SHEET



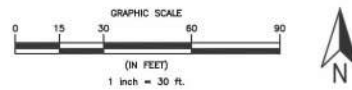
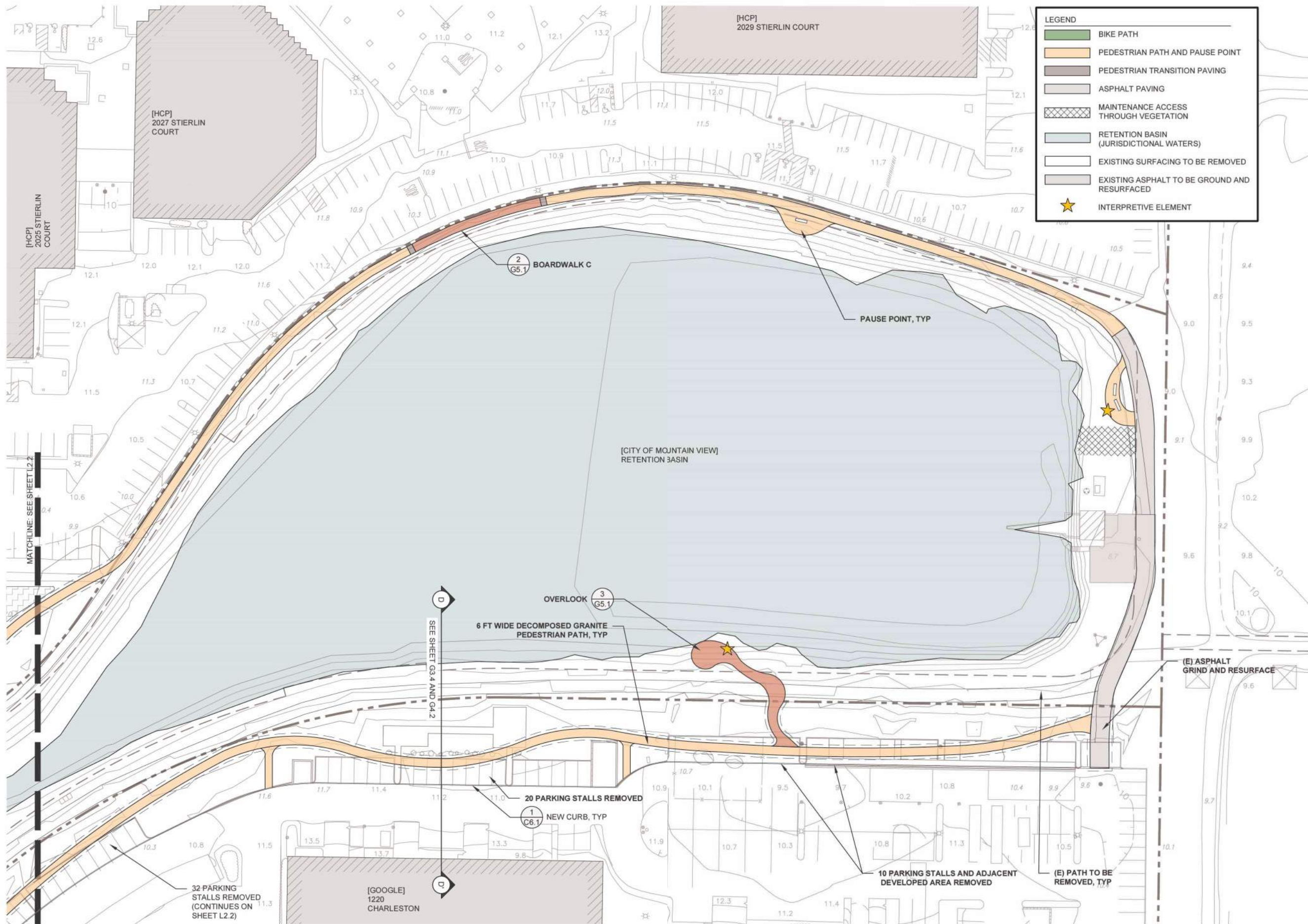
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 LOT DATE: 09-16-15 PLOTTED BY: catrasse



LEGEND	
	BIKE PATH
	PEDESTRIAN PATH AND PAUSE POINT
	PEDESTRIAN TRANSITION PAVING
	ASPHALT PAVING
	MAINTENANCE ACCESS THROUGH VEGETATION
	RETENTION BASIN (JURISDICTIONAL WATERS)
	EXISTING SURFACING TO BE REMOVED
	EXISTING ASPHALT TO BE GROUND AND RESURFACED
	INTERPRETIVE ELEMENT



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CHARLESTON RETENTION BASIN BRIDGES
 AND HABITAT IMPROVEMENT PROJECT
 SITE LAYOUT PLAN - EAST
 MOUNTAIN VIEW, CALIFORNIA

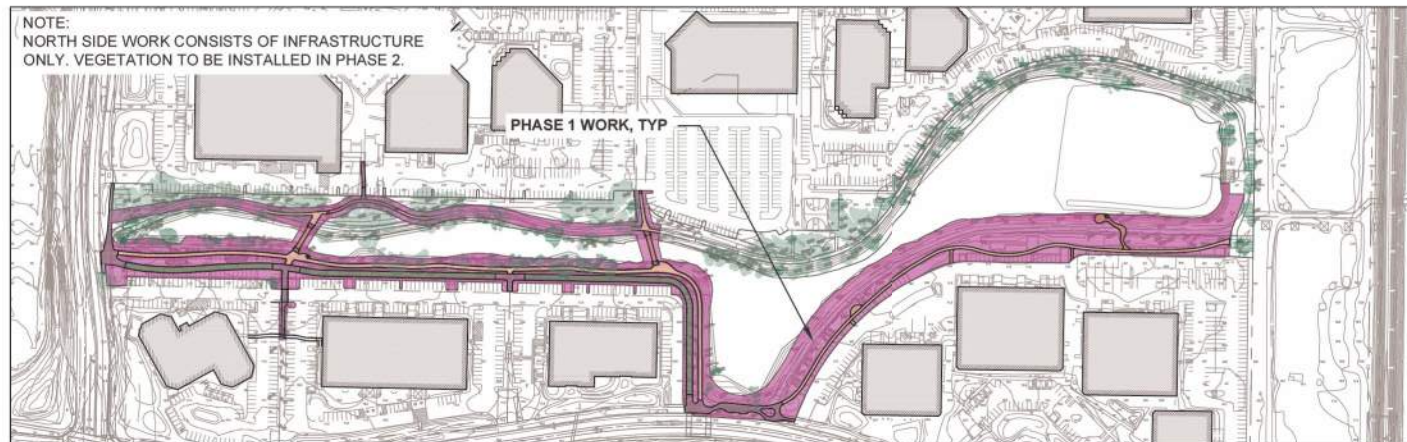
DATE: 09.18.2015
 SCALE: AS SHOWN
 DRAWN BY: CS, LDS, SVL
 PROJECT NO: 20130122
 SHEET



EXISTING CONDITIONS

- INFRASTRUCTURE**
- DECOMPOSED GRANITE PATH
 - EXERCISE EQUIPMENT

EXISTING TREES						
PHASE	HERITAGE	NON HERITAGE	TOTAL	NATIVE	NON-NATIVE	TOTAL
PHASE 1	117	72	189	14	175	189
PHASE 2	85	54	139	65	74	139
TOTAL	202	126	328	79	249	328



NOTE:
NORTH SIDE WORK CONSISTS OF INFRASTRUCTURE ONLY. VEGETATION TO BE INSTALLED IN PHASE 2.

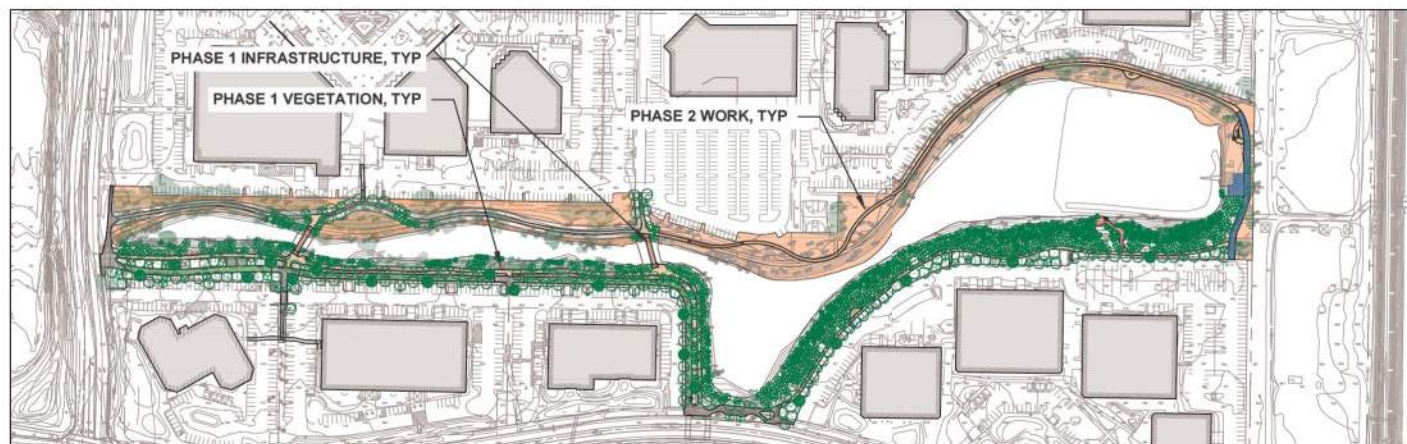
PHASE 1

- PRELIMINARY TIMING**
- MID AUGUST 2016 - FEBRUARY 2017

- INFRASTRUCTURE**
- EXERCISE EQUIPMENT REMOVED
 - BRIDGES (2)
 - DECOMPOSED GRANITE PEDESTRIAN PATH
 - CONCRETE BIKE PATH
 - RAISED CROSSING AT CHARLESTON ROAD
 - BOARDWALK (1)
 - PAUSE POINTS (2)
 - OVERLOOK (1)
 - IRRIGATION SYSTEM

- EARTHWORK**
- HABITAT SOUTH SIDE GRADING
 - MINOR PATH GRADING

- VEGETATION**
- APPROXIMATELY 1,000 NATIVE REPLACEMENT TREES PLANTED ON SOUTH SIDE
 - SEE TABLE BELOW FOR TREES TO BE REMOVED



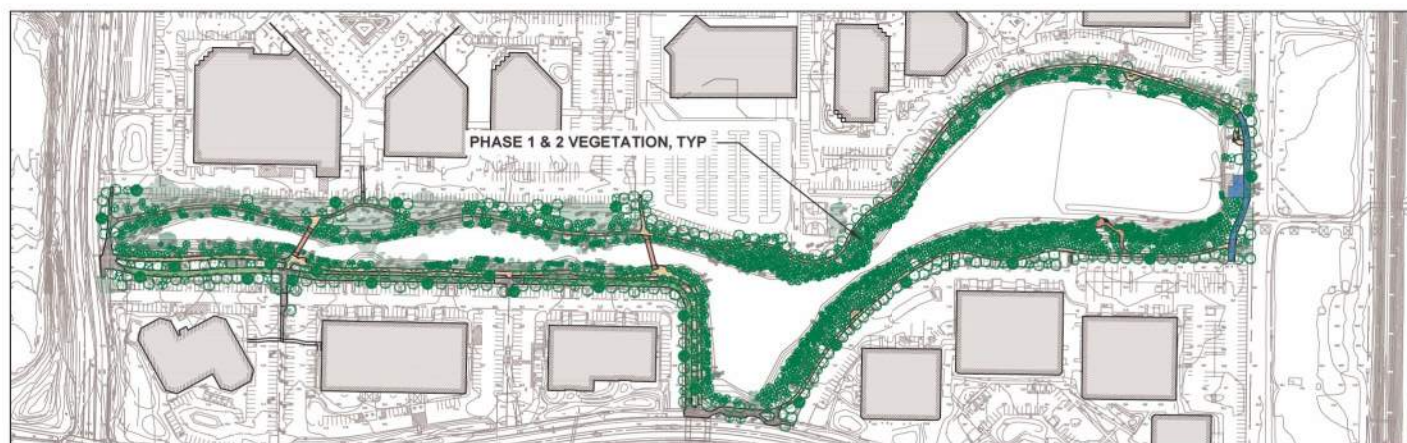
PHASE 2

- PRELIMINARY TIMING**
- MID AUGUST 2018 - FEBRUARY 2019

- INFRASTRUCTURE**
- EXERCISE EQUIPMENT REMOVED
 - DECOMPOSED GRANITE PEDESTRIAN PATH
 - BOARDWALKS (2)
 - PAUSE POINTS (2)
 - IRRIGATION SYSTEM

- EARTHWORK**
- HABITAT GRADING ON NORTH SIDE

- VEGETATION**
- APPROXIMATELY 800 NATIVE REPLACEMENT TREES PLANTED ON NORTH AND EAST SIDES
 - SEE TABLE BELOW FOR TREES TO BE REMOVED



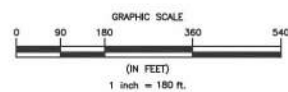
PROPOSED CONDITION

- VEGETATION**
- APPROXIMATELY 1500 NATIVE REPLACEMENT TREES PLANTED

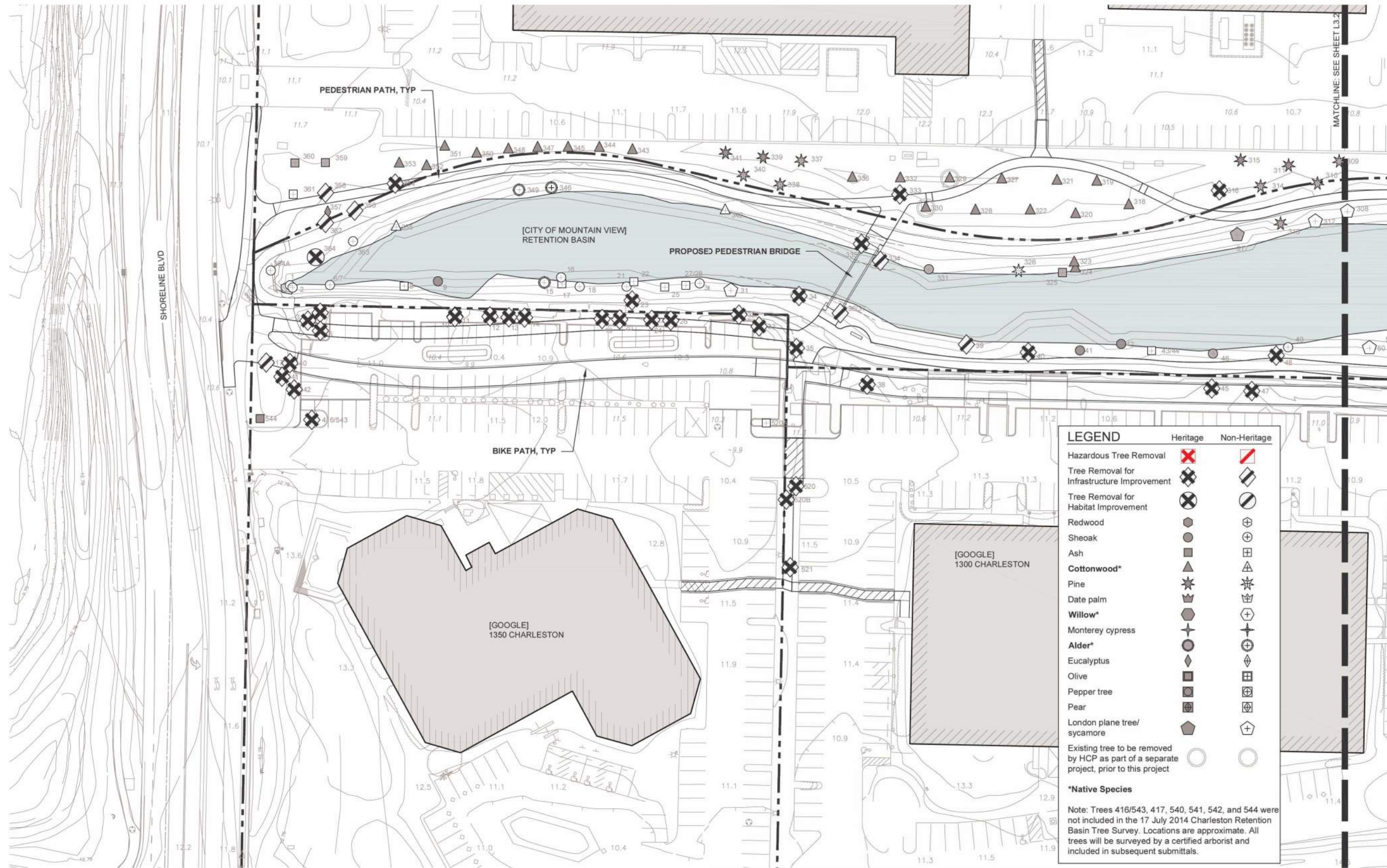
TREES TO BE REMOVED						
PHASE	HERITAGE	NON HERITAGE	TOTAL	NATIVE	NON-NATIVE	TOTAL
PHASE 1	99	45	144	6	138	144
PHASE 2	20	19	39	11	28	39
TOTAL	119	64	183	17	166	183

- NOTES:
1. SEE SHEETS L3.1-L3.3 FOR TREE REMOVAL PLAN.
 2. SEE SHEETS L6.00-L6.7 FOR PLANTING PLANS.
 3. TIMING OF PHASING TO BE DETERMINED BASED ON PERMITTING TIMELINES.

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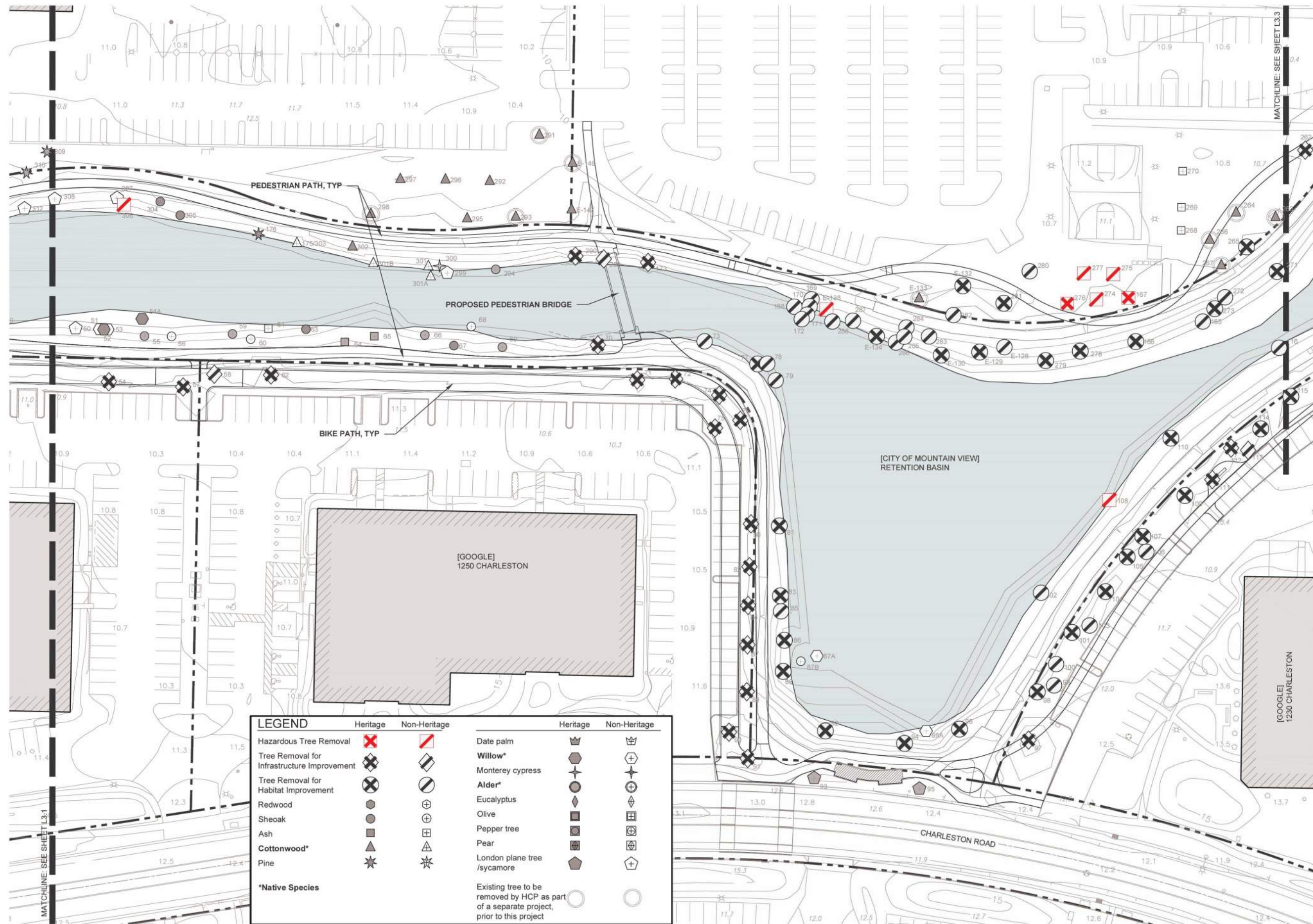
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LOT DATE: 09-17-15 PLOTTED BY: catrasse



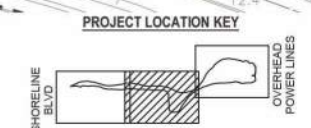
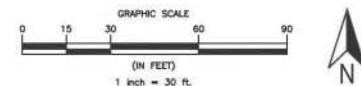
REASON FOR REMOVAL	RETENTION BASIN		2011-2017 STIERLIN		2019-2029 STIERLIN		1350 CHARLESTON		1300 CHARLESTON		1250 CHARLESTON		1200-1230 CHARLESTON		STREET		TOTAL HERITAGE	TOTAL NON-HERITAGE	TOTAL
	HERITAGE	NON-HERITAGE	HERITAGE	NON-HERITAGE	HERITAGE	NON-HERITAGE	HERITAGE	NON-HERITAGE	HERITAGE	NON-HERITAGE	HERITAGE	NON-HERITAGE	HERITAGE	NON-HERITAGE					
HAZARDOUS TREE	-	4	-	-	2	3	-	-	-	-	-	-	-	-	-	-	2	7	9
INFRASTRUCTURE IMPROVEMENT	11	8	3	1	2	-	18	1	8	-	12	1	7	4	1	-	62	15	77
HABITAT CREATION	30	35	-	-	5	2	-	-	-	-	-	-	20	5	-	-	55	42	97
TOTAL	41	47	3	1	9	5	18	1	8	0	12	1	27	9	1	0	119	64	183



DRAWING NAME: C:\Active Projects\3475_Google\10_Churleston Basin_PSE\PSE - Formal Review\Working Drawings\3475-10_L03_Tree Demo_2015.09.16.dwg
 LOT DATE: 09-17-15 PLOTTED BY: castrose



LEGEND		Heritage	Non-Heritage	Heritage	Non-Heritage
Hazardous Tree Removal	✖	✖	✖	Date palm	👑
Tree Removal for Infrastructure Improvement	⊗	⊗	⊗	Willow*	🌿
Tree Removal for Habitat Improvement	⊗	⊗	⊗	Monterey cypress	🌲
Redwood	⊗	⊗	⊗	Alder*	🌳
Sheoak	⊗	⊗	⊗	Eucalyptus	🌿
Ash	⊗	⊗	⊗	Olive	🌿
Cottonwood*	⊗	⊗	⊗	Pepper tree	🌿
Pine	★	★	★	Pear	🌳
				London plane tree /sycamore	🌳
*Native Species				Existing tree to be removed by HCP as part of a separate project, prior to this project	



FORMAL REVIEW SET
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CHARLESTON RETENTION BASIN BRIDGES
 AND HABITAT IMPROVEMENT PROJECT
 TREE REMOVAL PLAN - CENTER
 MOUNTAIN VIEW, CALIFORNIA

DATE: 09.18.2015
 SCALE: AS SHOWN
 DRAWN BY: CS, LDS, SVL
 PROJECT NO: 20130122
 SHEET



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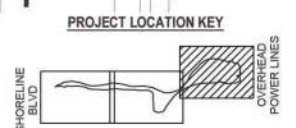
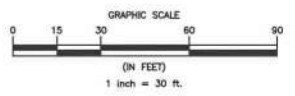
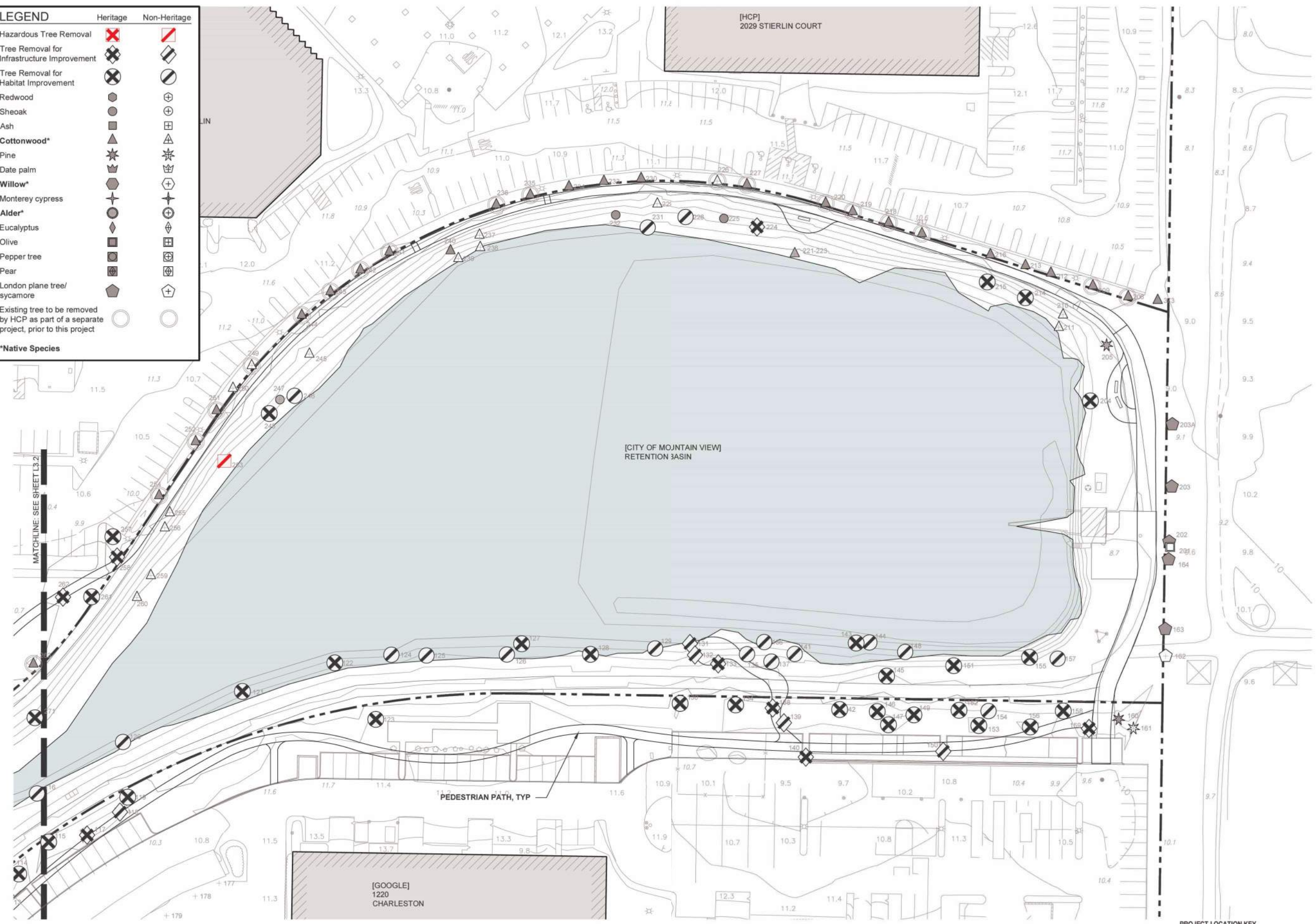
CHARLESTON RETENTION BASIN BRIDGES
AND HABITAT IMPROVEMENT PROJECT

TREE REMOVAL PLAN - EAST
MOUNTAIN VIEW, CALIFORNIA

DATE: 09.18.2015
SCALE: AS SHOWN
DRAWN BY: CS, LDS, SVL
PROJECT NO: 20130122
SHEET

L3.3

LEGEND		Heritage	Non-Heritage
Hazardous Tree Removal	✖	✖	✖
Tree Removal for Infrastructure Improvement	⊗	⊗	⊗
Tree Removal for Habitat Improvement	⊗	⊗	⊗
Redwood	⊙	⊙	⊙
Sheoak	⊙	⊙	⊙
Ash	⊙	⊙	⊙
Cottonwood*	⊙	⊙	⊙
Pine	⊙	⊙	⊙
Date palm	⊙	⊙	⊙
Willow*	⊙	⊙	⊙
Monterey cypress	⊙	⊙	⊙
Alder*	⊙	⊙	⊙
Eucalyptus	⊙	⊙	⊙
Olive	⊙	⊙	⊙
Pepper tree	⊙	⊙	⊙
Pear	⊙	⊙	⊙
London plane tree/ sycamore	⊙	⊙	⊙
Existing tree to be removed by HCP as part of a separate project, prior to this project	○	○	○
*Native Species			



RAWING NAME: G:\Active Projects\3475_Google\10_Christian Basin_PSE\PSC - Formal Review\Working Drawings\3475-10_L03_Tree Demo_2015.09.16.dwg
LOT DATE: 09-17-15 PLOTTED BY: castroase

MIXED OAK WOODLAND PLANT COMMUNITY CANOPY

SYMBOL	BOTANICAL NAME	COMMON NAME	WUCOLS	APPROX OC SPACING (FEET)	CONTAINER SIZE	QUANTITY	TOTAL QUANTITY
	AESCULUS CALIFORNICA	CALIFORNIA BUCKEYE	VL	14	15 GAL	58	58
	QUERCUS AGRIFOLIA	COAST LIVE OAK	VL	14	24" BOX	90	176
					15 GAL	43	
					ACORN	43	
	QUERCUS LOBATA	VALLEY OAK	L	14	24" BOX	15	26
					15 gal	11	
					15 GAL	3	
	SAMBUCUS NIGRA	ELDERBERRY	L	14	15 GAL	3	6
					5 GAL	3	
						TOTAL	266

COTTONWOOD FOREST PLANT COMMUNITY CANOPY

SYMBOL	BOTANICAL NAME	COMMON NAME	WUCOLS	APPROX OC SPACING (FEET)	CONTAINER SIZE	QUANTITY	TOTAL QUANTITY
	ACER NEGUNDO	BOX ELDER	M	14	15 GAL	31	31
	POPULUS FREMONTII	FREMONT COTTONWOOD	M	14	15 GAL	492	492
	QUERCUS AGRIFOLIA	COAST LIVE OAK	VL	14	24" BOX	14	38
					15 GAL	15	
					ACORN	9	
	SAMBUCUS NIGRA	ELDERBERRY	L	14	15 GAL	20	40
					5 GAL	20	

MIXED OAK WOODLAND PLANT COMMUNITY UNDERSTORY

SYMBOL	BOTANICAL NAME	COMMON NAME	WUCOLS	APPROX OC SPACING (FEET)	CONTAINER SIZE	QUANTITY
	ARCTOSTAPHYLOS (MANY SPECIES)	MANZANITA	VL-L	8	1GAL / 5 GAL	X
	ARTEMISIA CALIFORNICA	CALIFORNIA SAGEBRUSH	VL	3	1GAL / 5 GAL	X
	ASCLEPIAS FASCICULARIS	NARROW LEAF MILKWEED	L*	1.5	1GAL / 5 GAL	X
	ASCLEPIAS SPECIOSA	SHOWY MILKWEED	L*	1.5	1GAL / 5 GAL	X
	BACCHARIS PILULARIS	COYOTE BRUSH	L	10	1GAL / 5 GAL	X
	CEANOTHUS THYRSIFLORUS	BLUE BLOSSOM CEANOTHUS	VL-L	8	1GAL / 5 GAL	X
	CERCIS OCCIDENTALIS	WESTERN REDBUD	VL	10	1GAL / 5 GAL	X
	CERCOCARPUS BETULOIDES	MOUNTAIN MAHOGANY	VL	6	1GAL / 5 GAL	X
	CHLOROGALIUM POMERIDIANUM	SOAPROOT	L*	2	1GAL / 5 GAL	X
	EPILOBIUM CANUM	CALIFORNIA FUCHSIA	L	3	1GAL / 5 GAL	X
	ERIOGONUM FASCICULATUM	CALIFORNIA BUCKWHEAT	L	4	1GAL / 5 GAL	X
	ERIOGONUM NUDUM	NAKED BUCKWHEAT	L	4	1GAL / 5 GAL	X
	ERIOPHYLLUM CONFERTIFLORUM	GOLDEN YARROW	L	2	1GAL / 5 GAL	X
	FRAGARIA VESCA	WOODLAND STRAWBERRY	M	5	1GAL / 5 GAL	X
	FRANGULA CALIFORNICA	COFFEEBERRY	L	6	1GAL / 5 GAL	X
	GARRYA ELLIPTICA	COAST SILKTASSEL	L	10	1GAL / 5 GAL	X
	HETEROMELES ARBUTIFOLIA	TOYON	VL	10	1GAL / 5 GAL	X
	HOLODISCUS DISCOLOR	CREAM BUSH	L	6	1GAL / 5 GAL	X
	JUNCUS PATENS	SPREADING RUSH	H	1.5	1GAL / 5 GAL	X
	MIMULUS (DIPLACUS) AURANTIACUS	STICKY MONKEYFLOWER	L	10	1GAL / 5 GAL	X
	MONARDELLA VILLOSA	COYOTE MINT	VL	2	1GAL / 5 GAL	X
	PRUNUS ILICIFOLIA	HOLLY LEAF CHERRY	L	18	1GAL / 5 GAL	X
	RIBES CALIFORNICUM	CALIFORNIA GOOSEBERRY	L*	8	1GAL / 5 GAL	X
	SALVIA SPATHACEA	HUMMINGBIRD SAGE	L	5	1GAL / 5 GAL	X
	SCROPHULARIA CALIFORNICA	CALIFORNIA BEE PLANT	M*	5	1GAL / 5 GAL	X
	SOLIDAGO CALIFORNICA	CALIFORNIA GOLDENROD	L*	3	1GAL / 5 GAL	X
	SYMPHYOTRICHUM CHILENSE	PACIFIC ASTER	L*	4	1GAL / 5 GAL	X
SEED						
	ACHILLEA MILLEFOLIUM	YARROW	L			
	BROMUS CARINATUS	CALIFORNIA BROME	L*			
	CLARKIA RUBICUNDA	FAREWELL TO SPRING	L*			
	ELYMUS CONDENSATUS	GIANT BLUERYE	L			
	ELYMUS GLAUCUS	BLUE WILDRIE	L			
	ELYMUS TRITICOIDES	CREEPING WILDRIE	L			
	ESCHSCHOLZIA CALIFORNICA	CALIFORNIA POPPY	VL			
	FESTUCA IDAHOENSIS	IDAHO FESCUE	VL			
	FESTUCA RUBRA	RED FESCUE	L			
	LAYIA PLATYGLOSSA	TIDY TIPS	L*			
	NEMOPHILA MENZIESII	BABY BLUE EYES	M*			
	SISYRINCHIUM BELLUM	BLUE EYED GRASS	VL			
	STIPA PULCHRA	PURPLE NEEDLEGRASS	VL			
* WUCOLS VALUE NOT AVAILABLE. WATER REQUIREMENTS ESTIMATED.						

COTTONWOOD FOREST PLANT COMMUNITY UNDERSTORY

SYMBOL	BOTANICAL NAME	COMMON NAME	WUCOLS	APPROX OC SPACING (FEET)	CONTAINER SIZE	QUANTITY
	ARTEMISIA DOUGLASIANA	MUGWORT	L	3	1GAL / 5 GAL	X
	ASCLEPIAS FASCICULARIS	NARROW LEAF MILKWEED	L*	1.5	1GAL / 5 GAL	X
	ASCLEPIAS SPECIOSA	SHOWY MILKWEED	L*	1.5	1GAL / 5 GAL	X
	BACCHARIS DOUGLASII	MARSH BACCHARIS	M*	6	1GAL / 5 GAL	X
	BACCHARIS SALICIFOLIA	MULEFAT	M*	4	1GAL / 5 GAL	X
	CEANOTHUS THYRSIFLORUS	BLUE BLOSSOM CEANOTHUS	L	8	1GAL / 5 GAL	X
	FRAGARIA VESCA	WOODLAND STRAWBERRY	M	5	1GAL / 5 GAL	X
	HOLODISCUS DISCOLOR	CREAM BUSH	L	6	1GAL / 5 GAL	X
	RIBES AUREUM GRACILLIMUM	YELLOW CURRANT	L	3	1GAL / 5 GAL	X
	ROSA CALIFORNICA	CALIFORNIA ROSE	L	8	1GAL / 5 GAL	X
	RUBUS URSINUS	CALIFORNIA BLACKBERRY	L	14	1GAL / 5 GAL	X
	SYMPHORICARPOS ALBUS	COMMON SNOWBERRY	L	10	1GAL / 5 GAL	X
SEED						
	ACHILLEA MILLEFOLIUM	YARROW	L			
	AQUILEGIA FORMOSA	COLUMBINE	L			
	BROMUS CARINATUS	CALIFORNIA BROME	L*			
	ELYMUS CONDENSATUS	GIANT BLUERYE	L			
	ELYMUS GLAUCUS	BLUE WILDRIE	L			
	ELYMUS TRITICOIDES	CREEPING WILDRIE	L			
	FESTUCA CALIFORNICA	CALIFORNIA FESCUE	L			
	FESTUCA RUBRA	RED FESCUE	L			
* WUCOLS VALUE NOT AVAILABLE. WATER REQUIREMENTS ESTIMATED.						

NOTES:

- CITY HERITAGE TREE REMOVAL ORDINANCE 24" BOX REPLACEMENT TREE (119 TOTAL) INDICATED BY: IN TABLES ABOVE.
- WATER USAGE VALUES ADOPTED FROM WUCOLS III REGION 1 SPECIES EVALUATION LIST, 1999 WHEN AVAILABLE.

RAWING NAME: G:\Active Projects\3475_Google\10_Christon Basin_PSE_VSE - Formal Review\Working Drawings\3475-10_06_Planting_2015.09.16.dwg
LOT DATE: 09-17-15 PLOTTED BY: cstrasser



983 UNIVERSITY AVENUE,
BUILDING D
LOS GATOS, CA 95032
(408) 458-3200



255 SHORELINE DRIVE, STE. 200
REDWOOD CITY, CA 94065
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CHARLESTON RETENTION BASIN BRIDGES
AND HABITAT IMPROVEMENT PROJECT

PLANT SCHEDULES (1)
MOUNTAIN VIEW, CALIFORNIA

DATE: 09.18.2015
SCALE: AS SHOWN
DRAWN BY: CS, LDS, SVL
PROJECT NO: 20130122
SHEET

WILLOW PLANT COMMUNITY CANOPY

SYMBOL	BOTANICAL NAME	COMMON NAME	WUCOLS	APPROX OC SPACING (FEET)	CONTAINER SIZE	QUANTITY	TOTAL QUANTITY
☉	SALIX LAEVIGATA	RED WILLOW	H	8	15 GAL	23	226
					TREEPOT 4	51	
					CUTTING	152	
☉	SALIX LASIOLEPIS	ARROYO WILLOW	H	8	15 GAL	30	301
					TREEPOT 4	68	
					CUTTING	203	
☉	POPULUS FREMONTII	FREMONT COTTONWOOD	M	8	15 GAL	59	118
					5 GAL	59	
						TOTAL	645

WILLOW PLANT COMMUNITY UNDERSTORY CANOPY

SYMBOL	BOTANICAL NAME	COMMON NAME	WUCOLS	APPROX OC SPACING (FEET)	CONTAINER SIZE	QUANTITY	
☉	APOCYNUM CANNABINUM	INDIAN HEMP	H*	4	1GAL / 5 GAL	X	
	ARTEMISIA DOUGLASIANA	MUGWORT	L	2	1GAL / 5 GAL	X	
	ASCLEPIAS FASCICULARIS	NARROW LEAF MILKWEED	L*	1.5	1GAL / 5 GAL	X	
	ASCLEPIAS SPECIOSA	SHOWY MILKWEED	L*	1.5	1GAL / 5 GAL	X	
	BACCHARIS DOUGLASII	MARSH BACCHARIS	M*	6	1GAL / 5 GAL	X	
	BACCHARIS SALICIFOLIA	MULEFAT	M*	4	1GAL / 5 GAL	X	
	CORNUS GLABRATA	SMOOTH DOGWOOD	M*	10	1GAL / 5 GAL	X	
	FRAGARIA VESCA	WOODLAND STRAWBERRY	M	5	1GAL / 5 GAL	X	
	HERACLEUM LANATUM	COMMON COWPARSNIP	M*	2	1GAL / 5 GAL	X	
	HOLODISCUS DISCOLOR	CREAM BUSH	L	6	1GAL / 5 GAL	X	
	PHYSOCARPUS CAPITATUS	NINEBARK	VL*	6	1GAL / 5 GAL	X	
	RIBES SANGUINEUM	FLOWERING CURRANT	L	3	1GAL / 5 GAL	X	
	ROSA CALIFORNICA	CALIFORNIA ROSE	L	8	1GAL / 5 GAL	X	
	RUBUS URSINUS	CALIFORNIA BLACKBERRY	L	14	1GAL / 5 GAL	X	
	SYMPHORICARPOS ALBUS	COMMON SNOWBERRY	L	10	1GAL / 5 GAL	X	
	SEED						
		ACHILLEA MILLEFOLIUM	YARROW	L			
		AQUILEGIA FORMOSA	COLUMBINE	L			
		BROMUS CARINATUS	CALIFORNIA BROME	L*			
		ELYMUS CONDENSATUS	GIANT BLUERYE	L			
		ELYMUS GLAUCUS	BLUE WILDRYE	L			
		ELYMUS TRITICOIDES	CREEPING WILDRYE	L			
		FESTUCA CALIFORNICA	CALIFORNIA FESCUE	L			
		FESTUCA RUBRA	RED FESCUE	L			
		HORDEUM BRACHYANTHERUM	MEADOW BARLEY	M*			
	* WUCOLS VALUE NOT AVAILABLE. WATER REQUIREMENTS ESTIMATED.						

FRESHWATER MARSH PLANT COMMUNITY

SYMBOL	BOTANICAL NAME	COMMON NAME	WUCOLS	APPROX OC SPACING (FEET)	CONTAINER SIZE	QUANTITY
☉	BIDENS LAEVIS	BUR MARIGOLD	H*	2	PLUG	X
	EUTHAMIA OCCIDENTALIS	WESTERN GOLDENROD	M*	2	PLUG	X
	JUNCUS EFFUSUS	COMMON RUSH	H	2	PLUG	X
	JUNCUS PATENS	SPREADING RUSH	H	1.5	PLUG	X
	PERSICARIA SPP.	SMARTWEEDS	H*	2	PLUG	X
	RUMEX SALICIFOLIUS	WILLOW DOCK	M*	2	PLUG	X
	SCHOENOPLECTUS SPP.	TULE	H*	4	PLUG	X
* WUCOLS VALUE NOT AVAILABLE. WATER REQUIREMENTS ESTIMATED.						

FLORAL VISITOR PLANT COMMUNITY

SYMBOL	BOTANICAL NAME	COMMON NAME	WUCOLS	APPROX OC SPACING (FEET)	CONTAINER SIZE	QUANTITY	
☉	ARCTOSTAPHYLOS (MANY SPECIES)	MANZANITA	L	8	1GAL / 5 GAL	X	
	CEANOTHUS THYRSIFLORUS	BLUE BLOSSOM CEANOTHUS	VL	8	1GAL / 5 GAL	X	
	EPILOBIUM CANUM	CALIFORNIA FUCHSIA	L	6	1GAL / 5 GAL	X	
	ERIOGONUM FASCICULATUM	CALIFORNIA BUCKWHEAT	L	4	1GAL / 5 GAL	X	
	MONARDELLA VILLOSA	COYOTE MINT	VL	2	1GAL / 5 GAL	X	
	STACHYS SPP.	WOOD MINTS	L*	3	1GAL / 5 GAL	X	
	SYMPHYOTRICHUM CHILENSE	PACIFIC ASTER	M*	2	1GAL / 5 GAL	X	
	VERBENA LASIOSTACHYS	WESTERN VERVAIN	L	2	0	X	
	SEED						
		ACHILLEA MILLEFOLIUM	YARROW	L			
		AQUILEGIA FORMOSA	COLUMBINE	L			
		ESCHSCHOLZIA CALIFORNICA	CALIFORNIA POPPY	VL			
		EUTHAMIA OCCIDENTALIS	WESTERN GOLDENROD	M*			
	* WUCOLS VALUE NOT AVAILABLE. WATER REQUIREMENTS ESTIMATED.						

NOTE:

1. WATER USAGE VALUES ADOPTED FROM WUCOLS iii REGION 1 SPECIES EVALUATION LIST, 1999 WHEN AVAILABLE.

RAWING NAME: G:\Active Projects\3475_Google\10_Charleston Basin_PSE\PSE - Formal Review\Working Drawings\3475-10_06_Planting_2015.09.16.dwg
LOT DATE: 09-17-15 PLOTTED BY: cstrasser



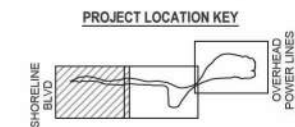
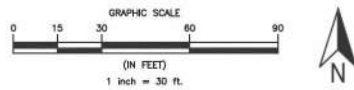
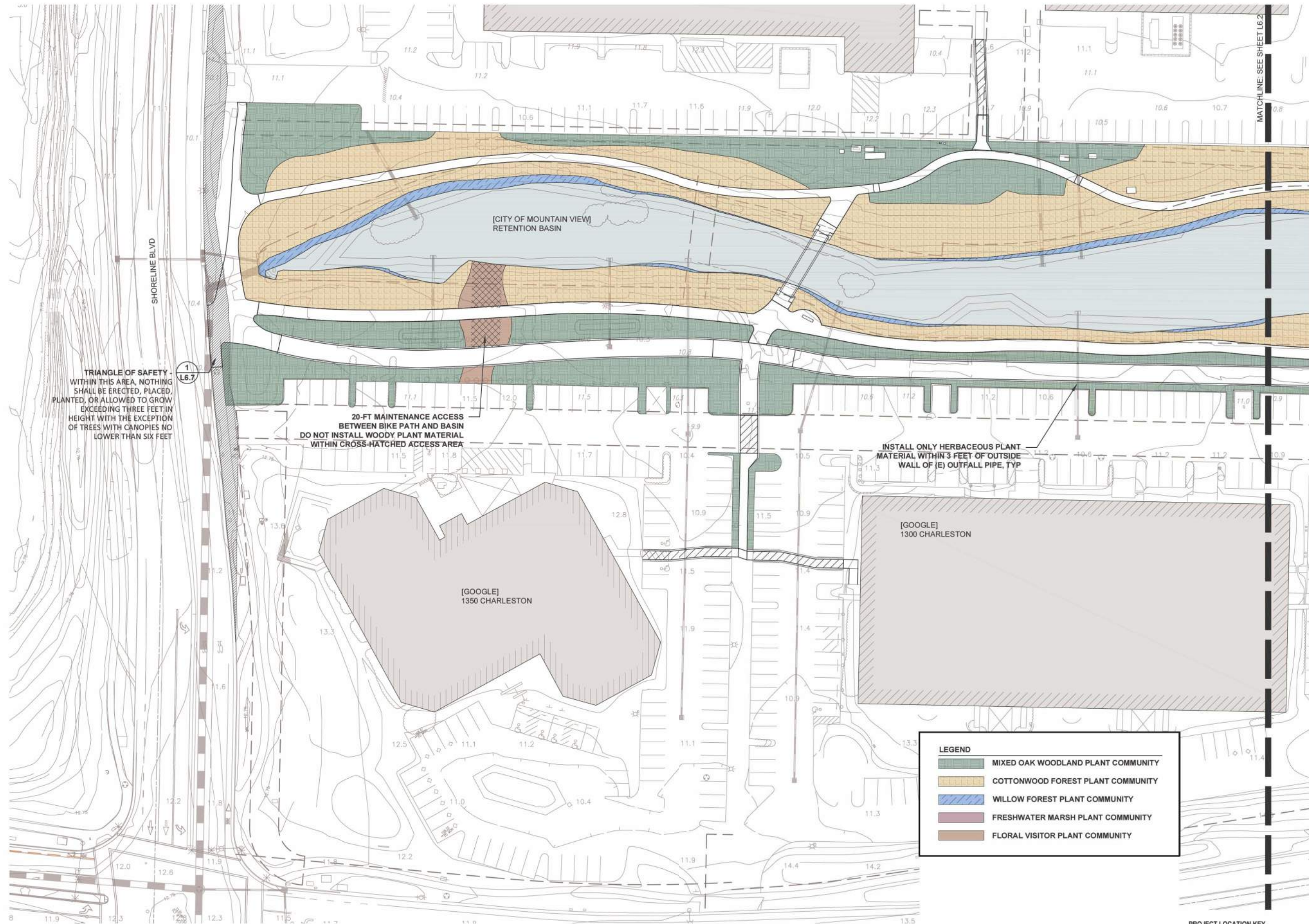
CHARLESTON RETENTION BASIN BRIDGES AND HABITAT IMPROVEMENT PROJECT

PLANT SCHEDULES (2)
MOUNTAIN VIEW, CALIFORNIA

DATE: 09.18.2015
SCALE: AS SHOWN
DRAWN BY: CS, LDS, SVL
PROJECT NO: 20130122
SHEET

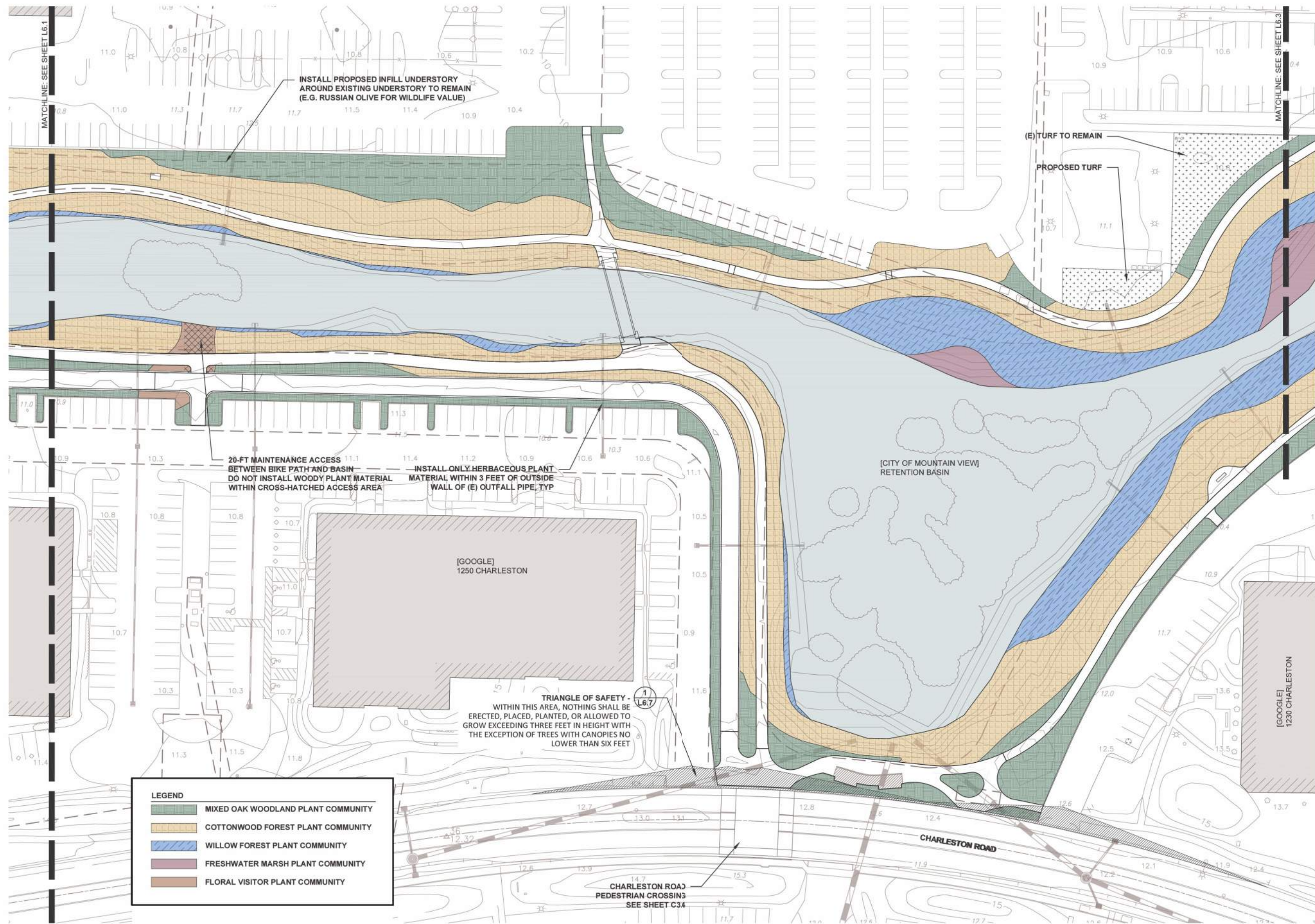
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 LOT DATE: 09-17-15 PLOTTED BY: catrose



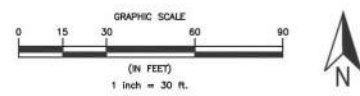
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 LOT DATE: 09-17-15 PLOTTED BY: castro



LEGEND

	MIXED OAK WOODLAND PLANT COMMUNITY
	COTTONWOOD FOREST PLANT COMMUNITY
	WILLOW FOREST PLANT COMMUNITY
	FRESHWATER MARSH PLANT COMMUNITY
	FLORAL VISITOR PLANT COMMUNITY

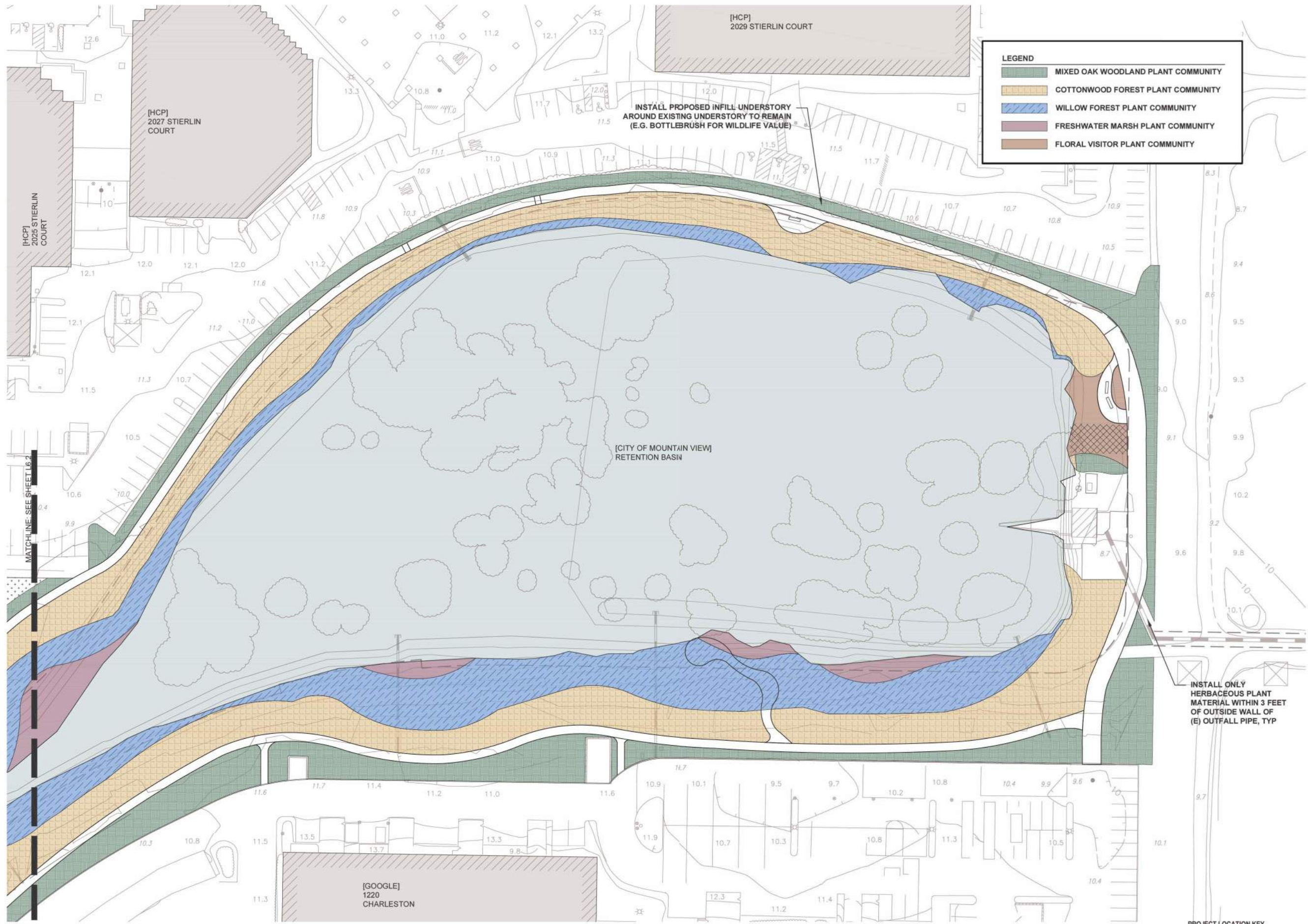


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CHARLESTON RETENTION BASIN BRIDGES
 AND HABITAT IMPROVEMENT PROJECT
 UNDERSTORY PLANTING PLAN - CENTER
 MOUNTAIN VIEW, CALIFORNIA

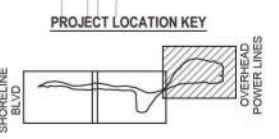
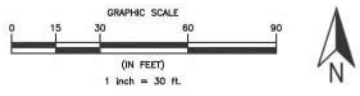
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 PROJECT NO: 20130122
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 LOT DATE: 09-17-15 PLOTTED BY: catrasse



LEGEND

- MIXED OAK WOODLAND PLANT COMMUNITY
- COTTONWOOD FOREST PLANT COMMUNITY
- WILLOW FOREST PLANT COMMUNITY
- FRESHWATER MARSH PLANT COMMUNITY
- FLORAL VISITOR PLANT COMMUNITY

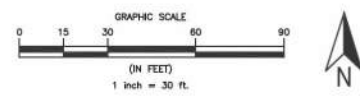
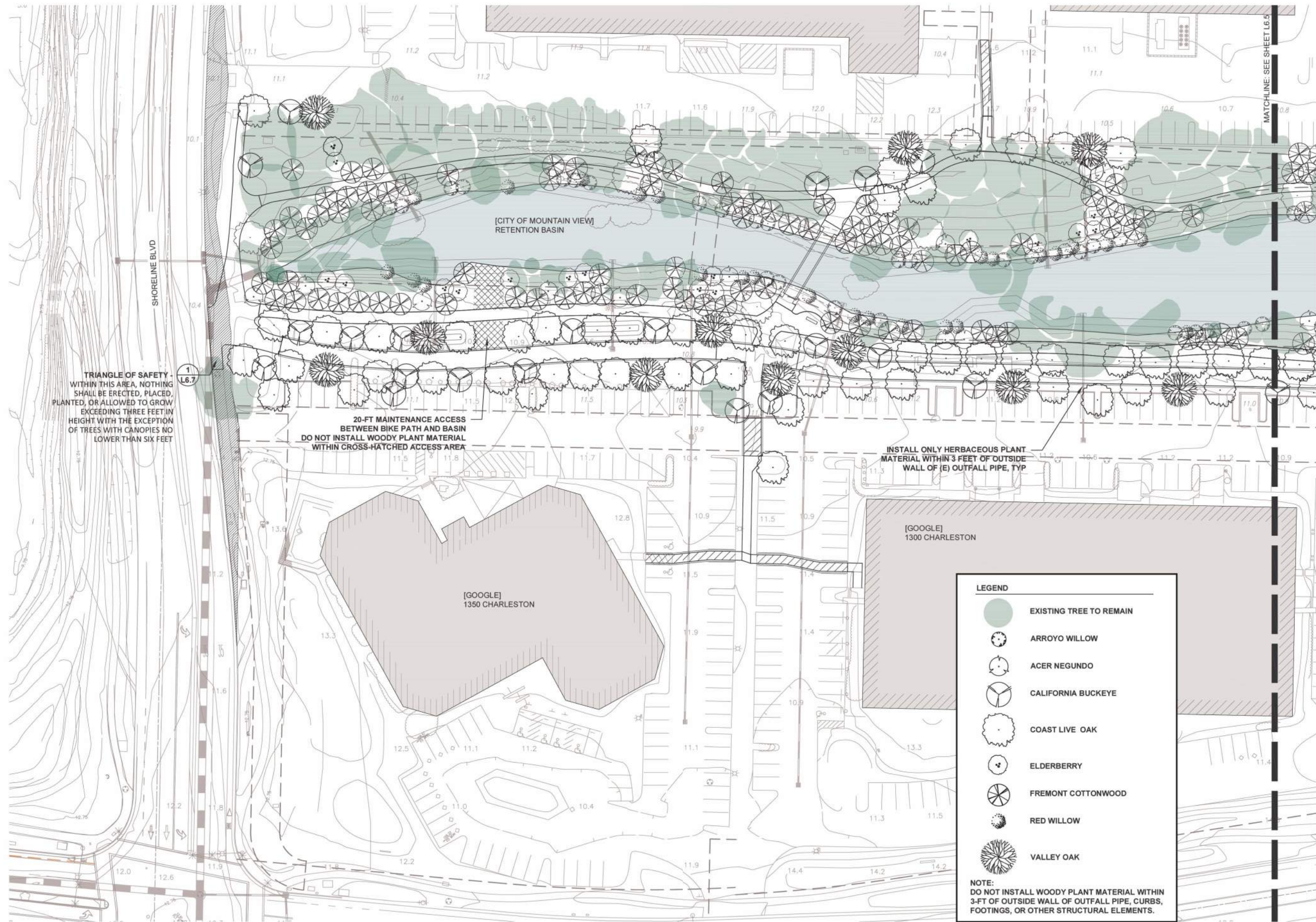


**CHARLESTON RETENTION BASIN BRIDGES
 AND HABITAT IMPROVEMENT PROJECT**
**UNDERSTOREY PLANTING PLAN - EAST
 MOUNTAIN VIEW, CALIFORNIA**

DATE: 09.18.2015
 SCALE: AS SHOWN
 DRAWN BY: CS, LDS, SVL
 PROJECT NO: 20130122
 SHEET

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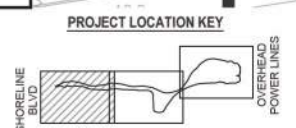
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 LOT DATE: 09-17-15 PLOTTED BY: catrasse



LEGEND

- EXISTING TREE TO REMAIN
- ARROYO WILLOW
- ACER NEGUNDO
- CALIFORNIA BUCKEYE
- COAST LIVE OAK
- ELDERBERRY
- FREMONT COTTONWOOD
- RED WILLOW
- VALLEY OAK

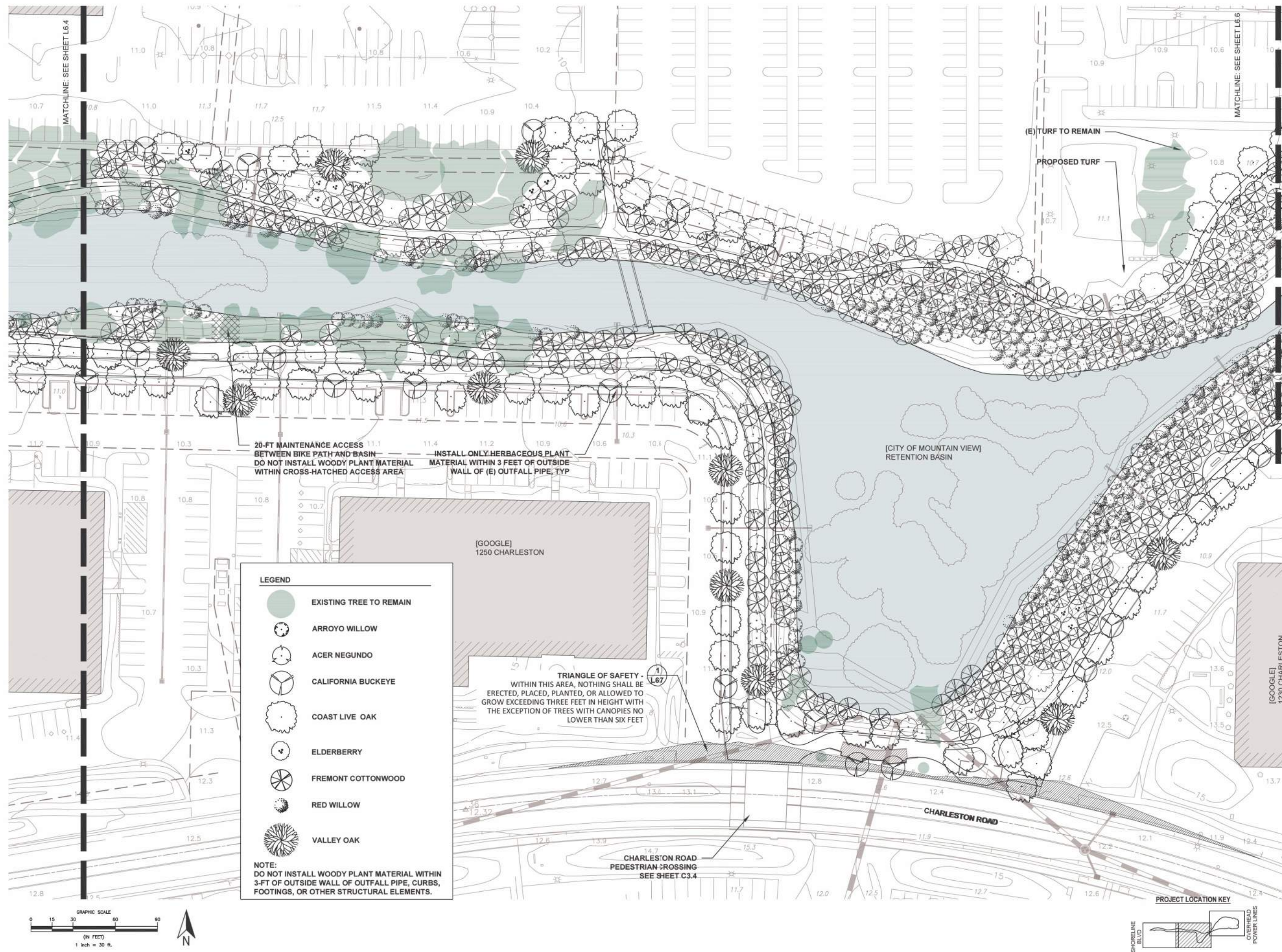
NOTE:
 DO NOT INSTALL WOODY PLANT MATERIAL WITHIN 3-FT OF OUTSIDE WALL OF OUTFALL PIPE, CURBS, FOOTINGS, OR OTHER STRUCTURAL ELEMENTS.



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MATCHLINE: SEE SHEET L6.5

DRAWING NAME: G:\Active Projects\3475_Google\10_Christianston Basin_PSC - Formal Review\Working Drawings\3475-10_L06_Planting_2015.09.16.dwg
 LOT DATE: 09-17-15 PLOTTED BY: catrasse



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 BUILDING D
 LOS GATOS, CA 95032
 (408) 458-3200



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 (650) 482-6300
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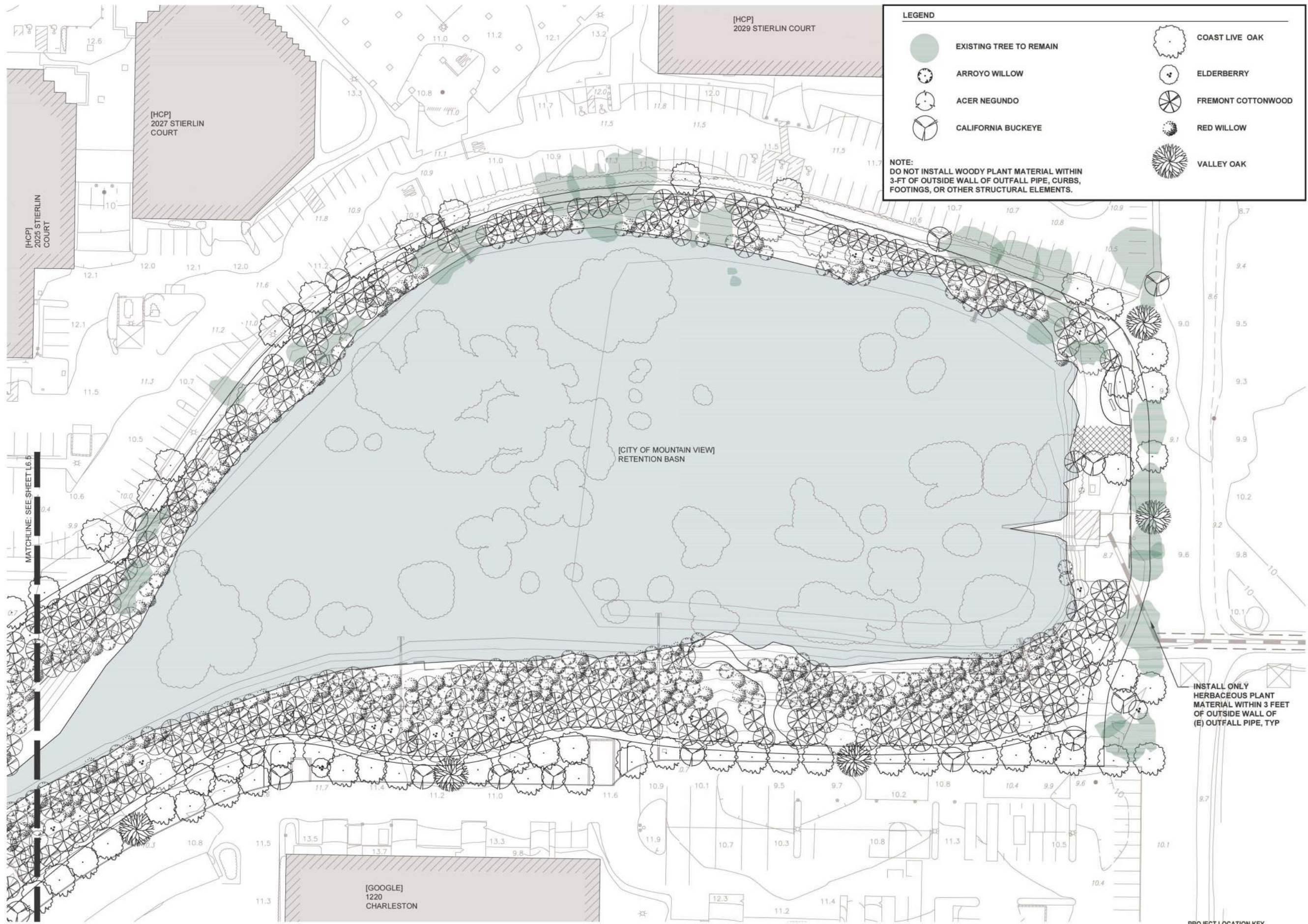
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**CHARLESTON RETENTION BASIN BRIDGES
 AND HABITAT IMPROVEMENT PROJECT**

**CANOPY PLANTING PLAN - CENTER
 MOUNTAIN VIEW, CALIFORNIA**

DATE: 09.18.2015
 SCALE: AS SHOWN
 DRAWN BY: CS, LDS, SVL
 PROJECT NO: 20130122
 SHEET

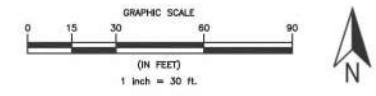
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 LOT DATE: 09-17-15 PLOTTED BY: catrasse



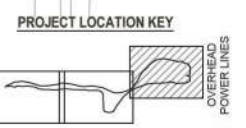
LEGEND

	EXISTING TREE TO REMAIN		COAST LIVE OAK
	ARROYO WILLOW		ELDERBERRY
	ACER NEGUNDO		FREMONT COTTONWOOD
	CALIFORNIA BUCKEYE		RED WILLOW
			VALLEY OAK

NOTE:
 DO NOT INSTALL WOODY PLANT MATERIAL WITHIN 3-FT OF OUTSIDE WALL OF OUTFALL PIPE, CURBS, FOOTINGS, OR OTHER STRUCTURAL ELEMENTS.



INSTALL ONLY HERBACEOUS PLANT MATERIAL WITHIN 3 FEET OF OUTSIDE WALL OF (E) OUTFALL PIPE, TYP



CHARLESTON RETENTION BASIN BRIDGES AND HABITAT IMPROVEMENT PROJECT
 CANOPY PLANTING PLAN - EAST MOUNTAIN VIEW, CALIFORNIA

DATE: 09.18.2015
 SCALE: AS SHOWN
 DRAWN BY: CS, LDS, SVL
 PROJECT NO: 20130122
 SHEET

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