

THREE CREEKS PARKWAY RESTORATION PROJECT

LANDSCAPE SET BRENTWOOD, CA BID SET MAY 22, 2020

CLIENT:

AMERICAN RIVERS
AMY MERRILL, DIRECTOR, AMERICAN RIVERS
CENTRAL VALLEY RIVER RESTORATION
SARAH PUCKETT, MANAGING CONSULTANT TO
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2150 ALLSTON WAY, SUITE 320
BERKELEY, CA 94704
(510) 388-8930

CONSULTANTS:

LANDSCAPE ARCHITECTURE AND ENGINEERING:
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RICH WALKLING, PROJECT MANAGER
2612B EIGHTH STREET
BERKELEY, CA 94710
(510) 644-2798

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ENGEQ, INC.
2010 CROW CANYON PLACE, SUITE 250
SAN RAMON, CA 94583
(925) 866-9000

CULTURAL RESOURCES:

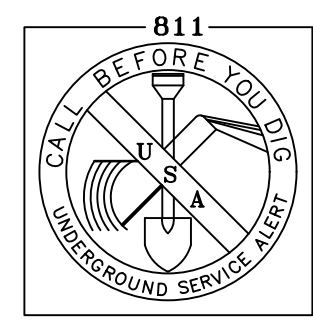
WSA, INC.
PO BOX 2192
ORINDA, CA 94563
(925) 253-9070

BIOLOGICAL RESOURCES:

WOOD BIOLOGICAL CONSULTING, INC.
PO BOX 1569
EL GRANADA, CA 94018
(415) 254-4835

ENVIRONMENTAL SERVICES (CEQA):

IMPACT SCIENCES, INC.
505 14TH STREET, SUITE 1230
OAKLAND, CA 94612
(510) 267-0494



2 WORKING DAYS
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PROJECT PARTNERS:

AMERICAN RIVERS
CONTRA COSTA COUNTY FLOOD CONTROL AND
WATER CONSERVATION DISTRICT
CITY OF BRENTWOOD
EAST BAY REGIONAL PARK DISTRICT
FRIENDS OF MARSH CREEK WATERSHED
EAST CONTRA COSTA COUNTY HABITAT CONSERVANCY

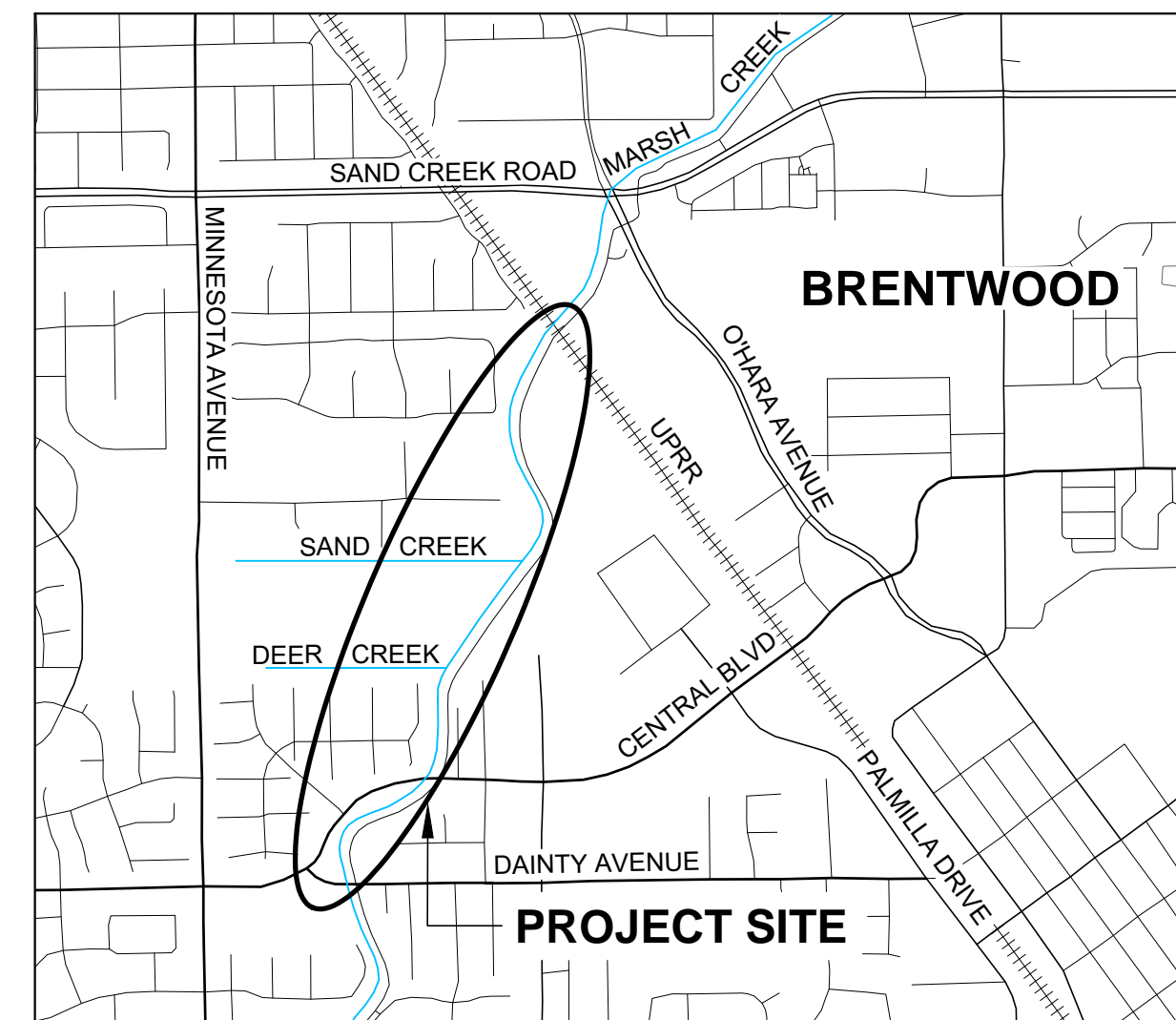
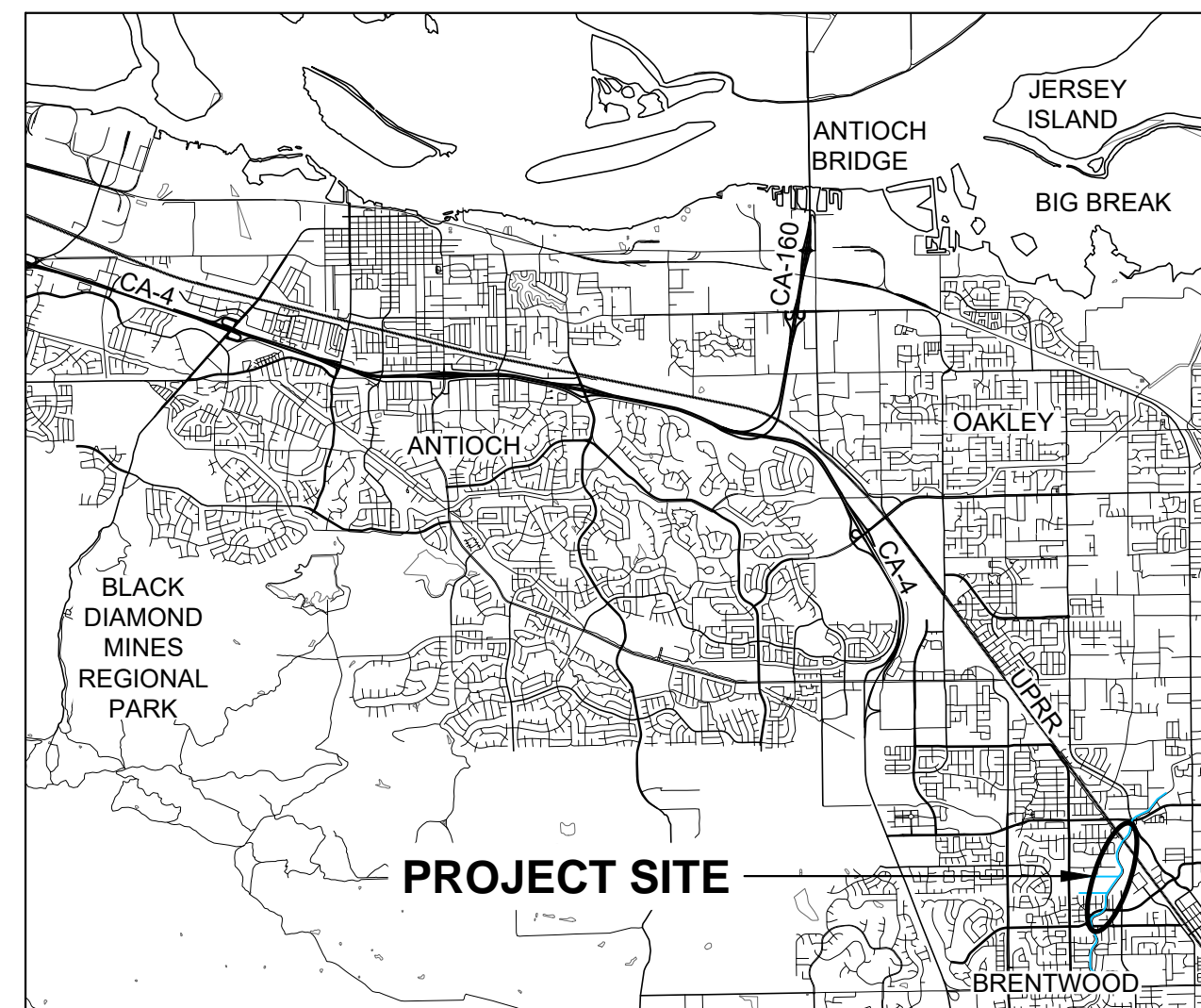
PROJECT SUPPORT:

FUNDING FOR THE PROJECT IS GENEROUSLY PROVIDED BY THE CONTRA COSTA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT, CALIFORNIA DEPARTMENT OF WATER RESOURCES URBAN STREAMS RESTORATION GRANT PROGRAM, SACRAMENTO-SAN JOAQUIN DELTA CONSERVANCY PROP 1 ECOSYSTEM RESTORATION AND WATER QUALITY GRANT PROGRAM, CALIFORNIA COASTAL CONSERVANCY PROP 1 GRANT, UNITED STATES ENVIRONMENTAL PROTECTION AGENCY SAN FRANCISCO BAY WATER QUALITY IMPROVEMENT FUND, CALIFORNIA NATURAL RESOURCES AGENCY RIVER PARKWAYS GRANT PROGRAM, AND PULTE HOMES.

ABBREVIATIONS

CCC	CONTRA COSTA COUNTY	HP	HIGH POINT	PA	PLANTING AREA
CLR	CLEAR	HCP	HABITAT CONSERVATION PLAN	PP	PRESERVE AND PROTECT
CL	CENTERLINE	IE	INVERT ELEVATION	RB	RIGHT BANK
COB	CITY OF BRENTWOOD	LB	LEFT BANK	R.O.W	RIGHT-OF-WAY
(E)	EXISTING	LP	LOW POINT	SD	STORM DRAIN
FCD	FLOOD CONTROL AND WATER CONSERVATION DISTRICT	L.O.W.	LIMIT OF WORK	SS	SANITARY SEWER
FG	FINISH GRADE	MM	MEET AND MATCH	STD	STANDARD
FL	FLOW LINE	N.I.C.	NOT IN CONTRACT	TBD	TO BE DETERMINED
FS	FINISH SURFACE	O.C.	ON CENTER	TYP.	TYPICAL
GB	GRADE BREAK	O.R.	OWNER'S REPRESENTATIVE	UON	UNLESS OTHERWISE NOTED

PROJECT LOCATION:



SHEET LIST TABLE

T-1	COVER SHEET	L-2.1B	REVEG - Y2
T-2	OVERVIEW & RESTORATION IRRIG	L-2.2B	REVEG - Y2
L-1.0	CITY PARK IRRIGATION	L-2.3B	REVEG - Y2
L-1.1	CITY PARK IRRIGATION	L-2.4B	REVEG - Y2
L-1.8	CITY PARK IRRIGATION	L-2.5B	REVEG - Y2
T-3	RESTORATION PLANTING Y1	L-2.6B	REVEG - Y2
T-4	RESTORATION PLANTING Y1	L-2.7B	REVEG - Y2
T-5	RESTORATION PLANTING Y1	L-2.8B	REVEG - Y2
L-2.0	REVEGETATION	T-8	RESTORATION PLANTING Y3
L-2.1	REVEGETATION	T-9	RESTORATION PLANTING Y3
L-2.2	REVEGETATION	L-2.1C	REVEG - Y3
L-2.3	REVEGETATION	L-2.2C	REVEG - Y3
L-2.4	REVEGETATION	L-2.3C	REVEG - Y3
L-2.5	REVEGETATION	L-2.4C	REVEG - Y3
L-2.6	REVEGETATION	L-2.5C	REVEG - Y3
L-2.7	REVEGETATION	L-2.6C	REVEG - Y3
L-2.8	REVEGETATION	L-2.7C	REVEG - Y3
L-2.9	ENLARGEMENTS	L-2.8C	REVEG - Y3
L-2.10	ENLARGEMENTS	L-3.1	FURNISHINGS DETAILS
L-2.11	ENLARGEMENTS	L-3.2	PLANTING DETAILS
T-6	RESTORATION PLANTING Y2	L-3.3	PLANTING DETAILS
T-7	RESTORATION PLANTING Y2	L-3.4	NOTICE BOARD DETAILS
		L-3.5	IRRIGATION DETAILS

GENERAL NOTES

1. THE PROJECT SHALL BE INSTALLED OVER THREE CONSECUTIVE YEARS. PLANTING SHALL OCCUR BETWEEN THE MONTHS OF NOVEMBER AND FEBRUARY UNLESS PROVIDED PRIOR WRITTEN APPROVAL BY O.R.
2. THIS PROJECT ("LANDSCAPE SET") IS PRECEDED BY A RELATED CONSTRUCTION PROJECT REFERRED TO AS THE "CIVIL SET". THE CIVIL SET INCLUDES EARTHWORK, PAVING, AND IRRIGATION MAINLINE COMPONENTS OF THE PROJECT.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND IRRIGATION THROUGH THE DURATION OF THE THREE YEAR CONTRACT, WITH THE EXCEPTION OF THE PARK PLANTING WITHIN SUNGOLD PARK, WHICH WILL BE MAINTAINED BY THE CITY.
4. THESE PLANS ARE SUPPLEMENTED BY THE 2015 CALTRANS STANDARD PLANS AND SPECIFICATIONS, AND THE CURRENT COUNTY AND CITY OF BRENTWOOD STANDARD PLANS AND SPECIFICATIONS.
5. LEFT BANK AND RIGHT BANK DESIGNATIONS ARE VIEWED LOOKING DOWNSTREAM, UNLESS OTHERWISE NOTED.
6. CONTRACTOR MUST MEET ALL CONDITIONS OF THE PROJECT PERMITS. SEE SPECIFICATIONS.
7. THE LOCATIONS OF UTILITIES MAY BE DIFFERENT THAN THOSE SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING LOCATIONS OF (E) UTILITIES REQUIRING PROTECTION AND/OR RELOCATION, AND COORDINATION WITH UTILITY COMPANIES AS NECESSARY.
8. CONTRACTOR MUST PROVIDE AS-BUILT DRAWINGS OF ALL SITE IMPROVEMENTS.
9. SEE SPECIFICATIONS FOR REQUIRED COORDINATION WITH VOLUNTEERS.

REVISIONS	
DATE	DESCRIPTION

**THREE CREEKS PARKWAY
RESTORATION PROJECT
LANDSCAPE SET**



BID SET

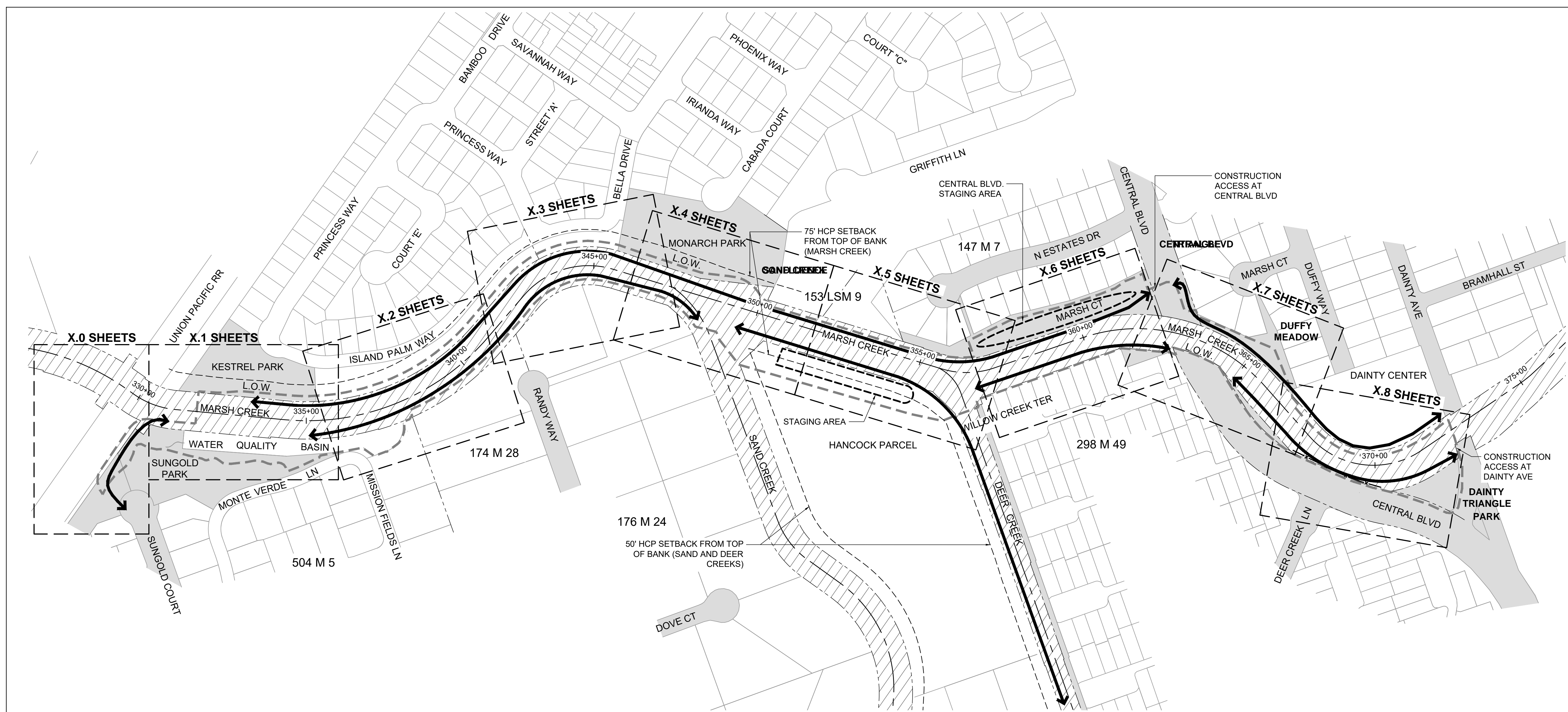
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SCALE	NTS
DATE	MAY 22, 2020

COVER SHEET

SHEET
T-1

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ADDITIVE BID OVERVIEW			
ADD. BID	DESCRIPTION	SHEETS	NOTES
NO. 1	TRAIL SURFACING UNDER CENTRAL AVENUE BRIDGE	L-2.6, L-2.7	INCLUDES EBRPD SINGLE PIPE GATE AT EACH END.
NO. 2	DEER CREEK TO SAND CREEK IMPROVEMENTS	L-2.4, 2.4B, 2.4C L-2.5, 2.5B, 2.5C	INCLUDES ALL IMPROVEMENTS BETWEEN SAND AND DEER CREEK. WORK INCLUDES: INSTALLATION OF 15G AND 5G TREES, VEGETATION PATCHES, LONG POLE COTTONWOOD LIVE CUTTINGS, MULCH, TOUCH UP SEEDING AND RESTORATION IRRIGATION.
NO. 3	GREENWAY AMENITIES	L-2.6, L2.7, L-2.9, L-2.10	INCLUDES BOULDERS, LOGS AND AMENITIES AT SAND CREEK CONFLUENCE, CENTRAL BLVD. TRIANGLE AND DUFFY MEADOW.
NO. 4	BRIDGE ABUTMENTS AND SPUR TRAIL	L-2.4	INCLUDES BENCHES, SITE BOULDERS AND MULCH. PLANTING INCLUDED IN BASE BID.
NO. 5	DAINTY TRIANGLE PARK	L-2.11	INCLUDES ALL PARK IMPROVEMENTS AT THE CORNER OF DAINITY AVE AND CENTRAL BOULEVARD.
NO. 6	PREFABRICATED PEDESTRIAN BRIDGE	-	N/A TO LANDSCAPE SET
NO. 7	YEAR 2 PLANTING	T-6 - L-2.8B	ALL NEW YEAR 2 PLANTINGS
NO. 8	YEAR 3 PLANTING	T-8 - L-2.8C	ALL NEW YEAR 3 PLANTINGS

GENERAL NOTES

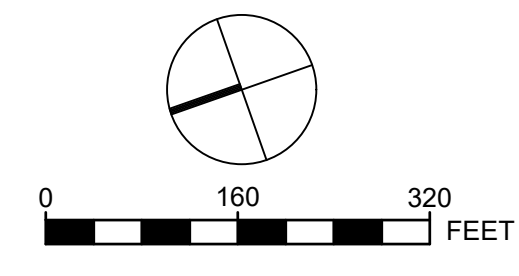
- CONTRACTOR SHALL PROVIDE A MARSH CREEK TRAIL DETOUR PLAN IF CONTRACTOR ANTICIPATES TRAIL CLOSURES DURING CONSTRUCTION, SEE SPECIFICATIONS.
- CONTRACTOR SHALL OBTAIN A NEW OR MODIFY EXISTING EBRPD ENCROACHMENT PERMIT AS REQUIRED AND COMPLY WITH ALL CONDITIONS.
- CONTRACTOR SHALL DOCUMENT EXISTING CONDITIONS INCLUDING TRAIL. CONTRACTOR SHALL REPAIR OR REPLACE DAMAGED FACILITIES, SITE FURNISHINGS AND INFRASTRUCTURE AS REQUIRED TO A CONDITION THAT MATCHES OR EXCEEDS PRE-PROJECT CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR PROCUREMENT OF A SUBSET OF THE PROJECT PLANTS. SEE REVEGETATION NOTES ON T-3.
- THE LOCATIONS OF UTILITIES MAY BE DIFFERENT THAN THOSE SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING LOCATIONS OF (E) UTILITIES REQUIRING PROTECTION AND/OR RELOCATION, AND COORDINATION WITH UTILITY COMPANIES AS NECESSARY.

RESTORATION IRRIGATION NOTES

- RESTORATION IRRIGATION COVERS IRRIGATION OF THE RESTORATION PLANTS FOR THE FIRST THREE YEARS OF THE PROJECT.
- SEE PARK IRRIGATION FOR PERMANENT IRRIGATION WORK ASSOCIATED WITH BRENTWOOD PARKS.
- CIVIL SET WORK INCLUDED THE INSTALLATION OF A MAINLINE AND 110 QUICK COUPLERS SPACED APPROXIMATELY EVERY 75 FT AT THE TOP OF BANK. SEE CIVIL SET PLANS FOR EXTENT.
- BIDDER SHALL DESIGN AND INSTALL / IMPLEMENT AN IRRIGATION APPROACH TO ENSURE THE IRRIGATION PERFORMANCE REQUIREMENTS ARE MET FOR THE PROJECT. SEE SPECIFICATIONS.
- IRRIGATION APPROACH MAY INCLUDE HAND WATERING, INSTALLATION OF ON-GRADE OR BURIED IRRIGATION SYSTEM.
- CITY CONTROLLERS AND SYSTEMS ARE NOT AVAILABLE FOR USE FOR RESTORATION IRRIGATION.
- REMOVE ALL RESTORATION IRRIGATION EQUIPMENT AFTER SUBSTANTIAL COMPLETION AND BEFORE FINAL ACCEPTANCE, UNLESS PROVIDED PRIOR WRITTEN APPROVAL.
- CONTRACTOR IS RESPONSIBLE FOR COMPLETE OPERATION AND MAINTENANCE OF TEMPORARY IRRIGATION SYSTEM COMPONENTS INSTALLED BY CONTRACTOR INCLUDING DAMAGE DUE TO WEATHER, STORM WATER, VANDALISM AND ANIMALS.

LEGEND

- PROPERTY BOUNDARY
- LIMIT OF WORK (L.O.W.)
- CONSTRUCTION ACCESS
- CITY OF BRENTWOOD PROPERTY
- CONTRA COSTA COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT PROPERTY
- STAGING AREA (SHOWN SCHEMATICALLY)



REVISIONS	
DATE	DESCRIPTION

THREE CREEKS PARKWAY RESTORATION PROJECT LANDSCAPE SET



BID SET

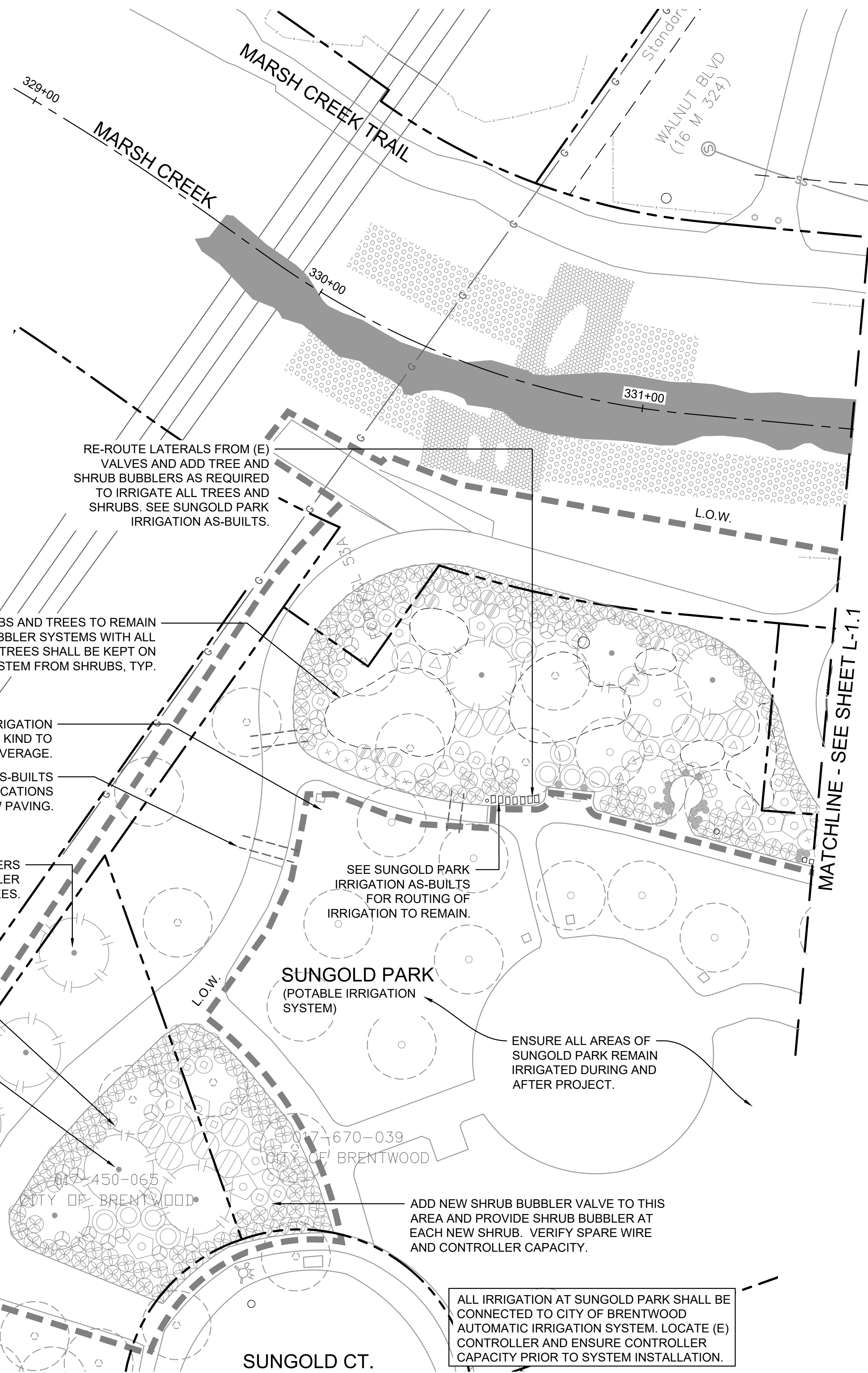
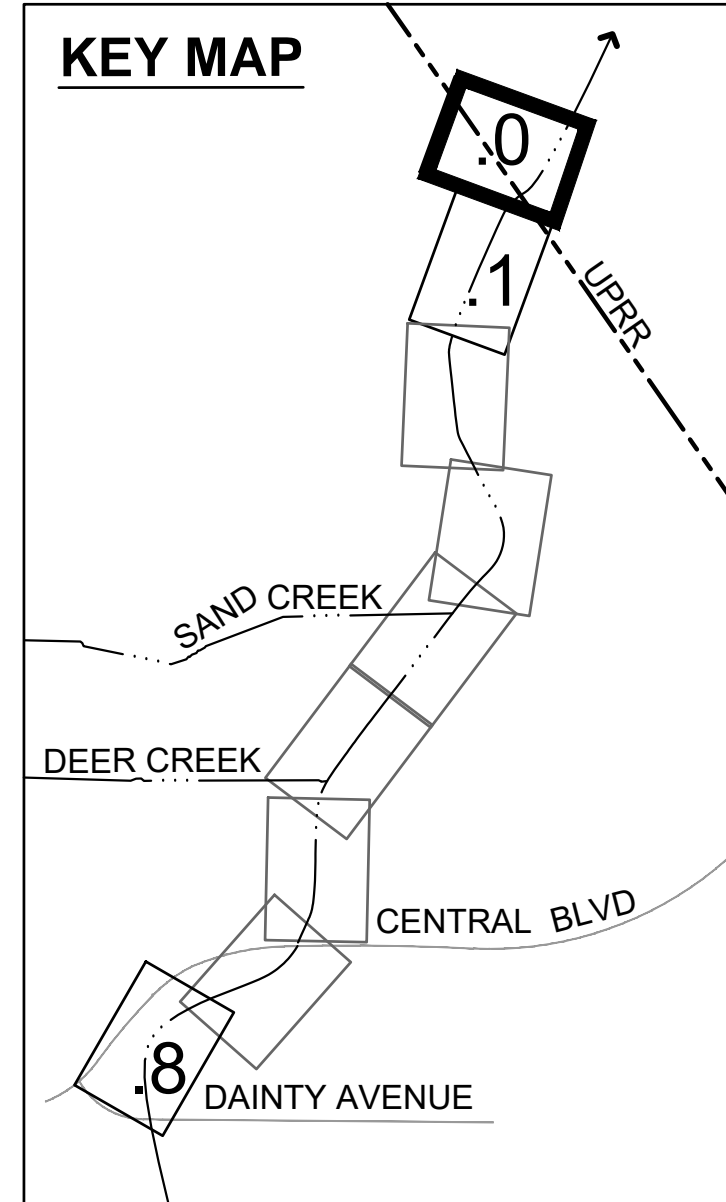
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SCALE: 1" = 160'-0"
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OVERVIEW & RESTORATION IRRIG

SHEET
T-2

S:\PROJECTS\THREE CREEKS\AUTOCAD\WORKING DRAWINGS\OVERVIEW\LANDSCAPE SET.DWG PLOTTED ON: 5/22/2020



IRRIGATION LEGEND

- PROPERTY BOUNDARY
- - - EASEMENT
- - - LIMIT OF WORK
- SS- (E) SANITARY SEWER
- - - (E) IRRIGATION MAINLINE, SEE CIVIL DRAWINGS AND IRRIGATION AS-BUILTS.
- - - (E) IRRIGATION SLEEVE, SEE CIVIL DRAWINGS AND IRRIGATION AS-BUILTS
- - - IRRIGATION LATERAL, CLASS 200 PVC, SIZE AS NOTED
- ✕ NIBCO GATE VALVE, MATCH PIPE SIZE. INSTALL IN ROUND BOX.
- ⊙ REMOTE CONTROL VALVE, RAINBIRD PEB SERIES, SIZE PER PLAN.

1/2"	1-3 GPM
3/4"	4-9 GPM
1"	10-15 GPM
1 1/4"	16-24 GPM
1 1/2"	25-35 GPM
2"	36-52 GPM

- CITY PARK IRRIGATION NOTES**
- SEE SPECIFICATIONS FOR CONTRACTORS RESPONSIBILITIES FOR REVIEWING EXISTING IRRIGATION AND DEVELOPING FINAL IRRIGATION DESIGN FOR WORK WITHIN SUNGOLD PARK AND DAINTY TRIANGLE PARK.
 - CONTRACTOR WILL PROVIDE THE CITY WITH IRRIGATION AND PLANTING AS-BUILT PLANS AND MWEO WATER AUDIT. SEE SPECIFICATIONS.
 - THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, EQUIPMENT, ETC. SHOWN IS FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHERE POSSIBLE. AVOID CONFLICTS WITH PLANTING, PIPING, UTILITIES AND STRUCTURES WHERE POSSIBLE.
 - DO NOT WILLFULLY INSTALL THE SYSTEMS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES, GPM AVAILABILITY, OR PRESSURES EXIST THAT MAY NOT HAVE BEEN INCLUDED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CITY FOR A DECISION. IN THE EVENT THAT NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
 - IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE THEMSELVES WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, RETAINING WALLS, UTILITIES, PIPING, BUILDINGS, ETC. AND COORDINATE THEIR WORK WITH THE GENERAL CONTRACTOR FOR THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, STRUCTURES, ETC.
 - THE IRRIGATION SYSTEM SHALL BE INSTALLED IN CONFORMANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES BY A LICENSED LANDSCAPE CONTRACTOR AND EXPERIENCED CREWS. CONTRACTOR TO OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND FEES.
 - CONTRACTOR IS TO CONFIRM THE LOCATION OF EXISTING UTILITIES AND UNDERGROUND STRUCTURES PRIOR TO THE EXCAVATION OF TRENCHES. CONTRACTOR TO REPAIR ANY DAMAGE CAUSED BY, OR DURING THE PERFORMANCE OF, THE WORK AT NO ADDITIONAL COST TO THE CITY.
 - SYSTEM IS BASED UPON A STATIC MAINLINE PRESSURE OF 70 P.S.I.. AFTER CALCULATING PRESSURE LOSSES, THE SYSTEM IS DESIGNED TO OPERATE AT APPROXIMATELY 35 - 40 P.S.I. WORKING PRESSURE AT THE HEADS. THROUGH ANY ONE VALVE, THE SYSTEM IS DESIGNED TO OPERATE AT A MAXIMUM OF 30 GPM.
 - TRENCHES ARE TO BE OF SUFFICIENT DEPTH TO PROVIDE 18" OF COVER OVER MAINLINE AND LATERAL LINES PRIOR TO THE INSTALLATION OF IRRIGATION EQUIPMENT. MAINLINE TO BE VISUALLY INSPECTED FOR LEAKS UNDER FULL OPERATING PRESSURE PRIOR TO BACKFILLING. MAINLINE UNDER PAVING TO BE 24" DEEP; MINIMUM.
 - FLUSH MAINLINES PRIOR TO THE INSTALLATION OF LATERAL LINES, HEADS, BUBBLERS, VALVES OR OTHER EQUIPMENT.
 - ALL IN-GROUND BOXES SHALL BE INSTALLED FLUSH WITH FINISH GRADE (NOT NECESSARILY PLUMB). ALIGN BOXES WITH ADJACENT PAVEMENT EDGES OR STRUCTURES.
 - ALL EXCAVATIONS SHALL BE BACKFILLED TO 90% COMPACTION (MIN.). CONTRACTOR TO REPAIR SETTLED TRENCHES FOR ONE YEAR AFTER COMPLETION OF WORK.
 - CONTRACTOR TO MAKE MINOR ADJUSTMENTS TO LAYOUT OF QUICK COUPLERS AT NO EXTRA COST.
 - CONTRACTOR TO MAINTAIN A SET OF "AS-BUILT" DRAWINGS THROUGHOUT THE COURSE OF CONSTRUCTION AND DELIVER THESE DRAWINGS TO THE OWNER UPON THE COMPLETION OF WORK. SEE SPECIFICATIONS.
 - CONTRACTOR SHALL GUARANTEE THE SYSTEM AND MATERIALS TO BE FREE FROM DEFECTS FOR A PERIOD OF ONE YEAR STARTING WITH ACCEPTANCE AT THE FINAL SITE REVIEW.

RE-ROUTE LATERALS FROM (E) VALVES AND ADD TREE AND SHRUB BUBBLERS AS REQUIRED TO IRRIGATE ALL TREES AND SHRUBS. SEE SUNGOLD PARK IRRIGATION AS-BUILTS.

IRRIGATION FOR (E) SHRUBS AND TREES TO REMAIN SHALL BE INCLUDED ON BUBBLER SYSTEMS WITH ALL NEW PLANTINGS. TREES SHALL BE KEPT ON SEPARATE BUBBLERS SYSTEM FROM SHRUBS, TYP.

RE-SET OR REPLACE LAWN IRRIGATION HEADS IMPACTED BY PROJECT IN KIND TO PROVIDE COMPLETE COVERAGE.

SEE CIVIL DRAWINGS AND AS-BUILTS FOR IRRIGATION SLEEVE LOCATIONS UNDER / WITHIN NEW PAVING.

EXTEND TREE BUBBLERS FROM (E) TREE BUBBLER LATERALS TO NEW TREES.

NEW PLANTING, SEE SHEET L-2.0

EXTEND TREE BUBBLERS FROM (E) TREE BUBBLER LATERALS TO NEW TREES.

SEE SUNGOLD PARK IRRIGATION AS-BUILTS FOR ROUTING OF IRRIGATION TO REMAIN.

ENSURE ALL AREAS OF SUNGOLD PARK REMAIN IRRIGATED DURING AND AFTER PROJECT.

ADD NEW SHRUB BUBBLER VALVE TO THIS AREA AND PROVIDE SHRUB BUBBLER AT EACH NEW SHRUB. VERIFY SPARE WIRE AND CONTROLLER CAPACITY.

ALL IRRIGATION AT SUNGOLD PARK SHALL BE CONNECTED TO CITY OF BRENTWOOD AUTOMATIC IRRIGATION SYSTEM. LOCATE (E) CONTROLLER AND ENSURE CONTROLLER CAPACITY PRIOR TO SYSTEM INSTALLATION.

MATCHLINE - SEE SHEET L-1.1

REVISIONS

DATE	DESCRIPTION

THREE CREEKS PARKWAY RESTORATION PROJECT LANDSCAPE SET



BID SET

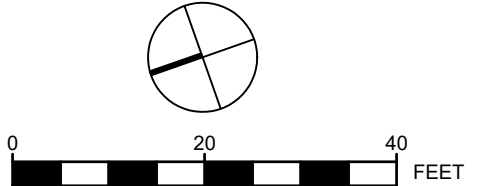
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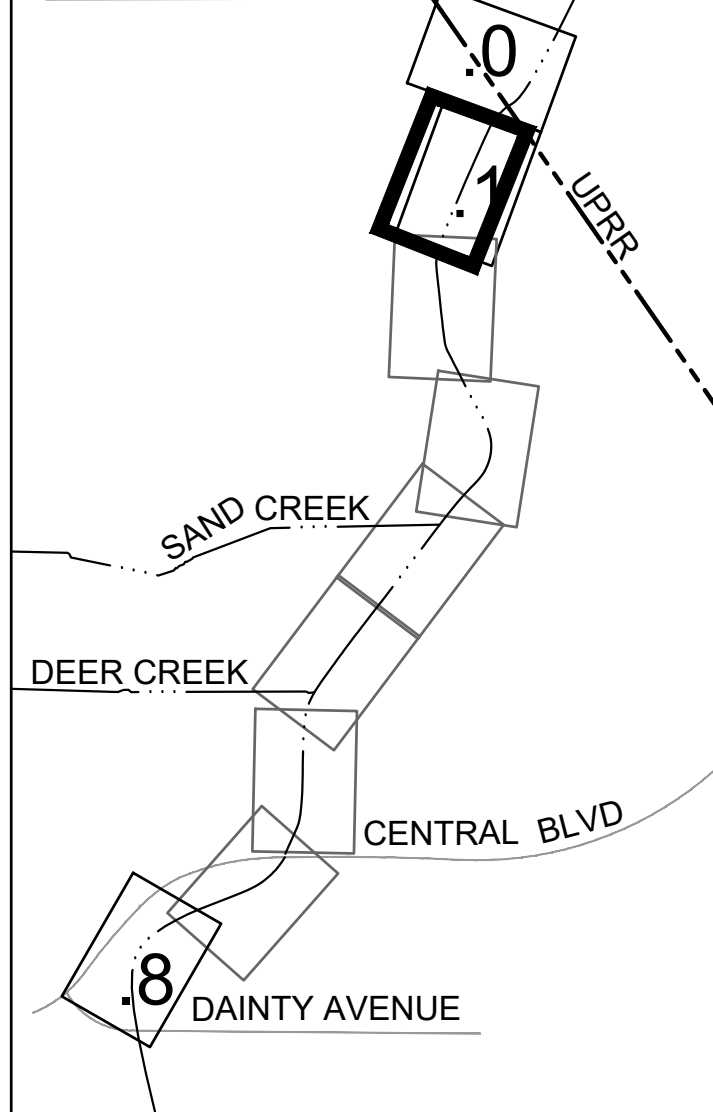
CITY PARK IRRIGATION

SHEET
L-1.0



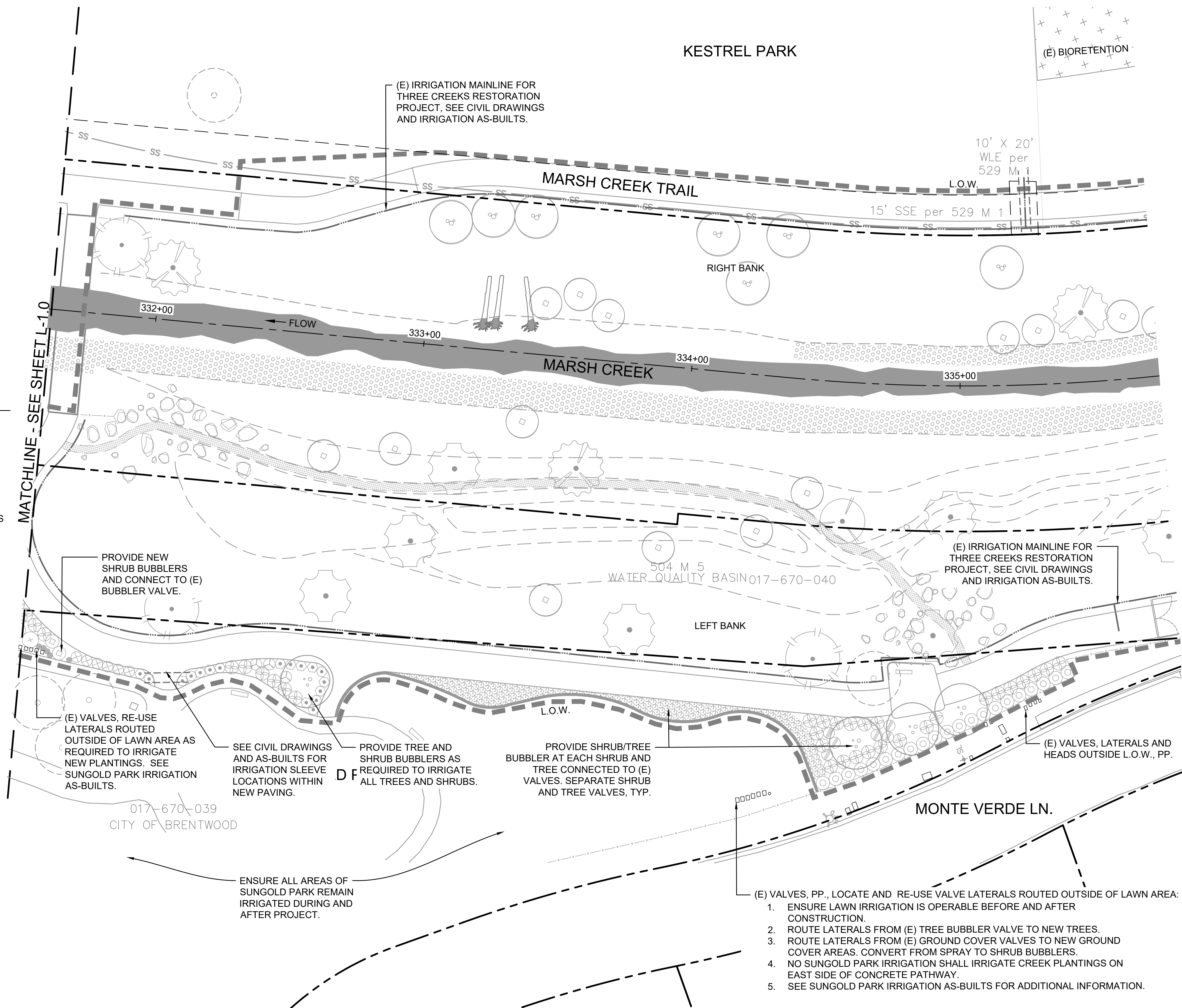
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KEY MAP



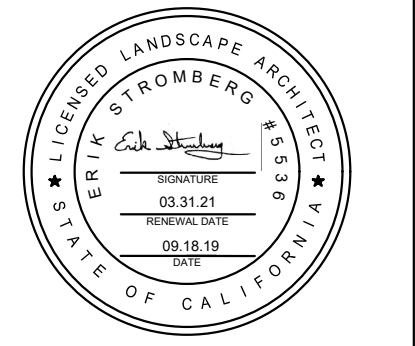
IRRIGATION LEGEND

- PROPERTY BOUNDARY
- - - EASEMENT
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- SS (E) SANITARY SEWER
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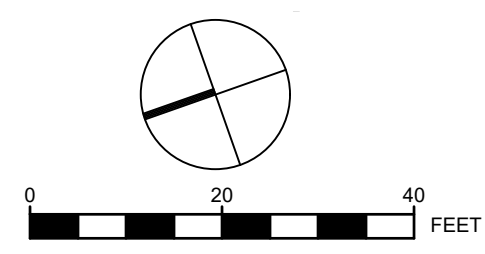
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CITY PARK IRRIGATION

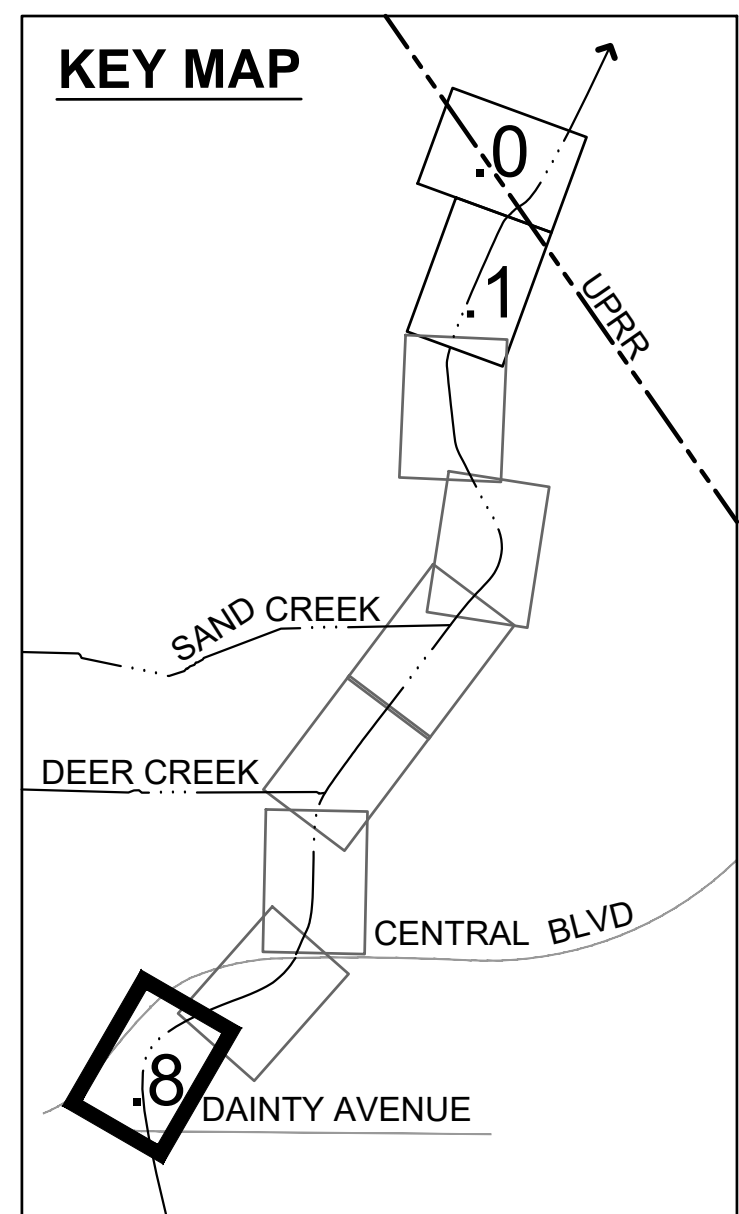
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L-1.1



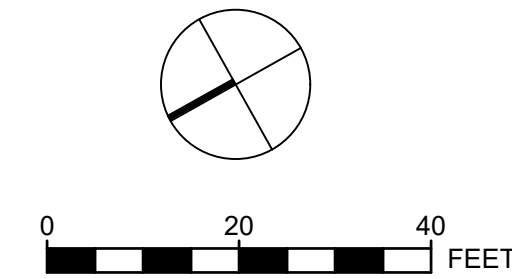
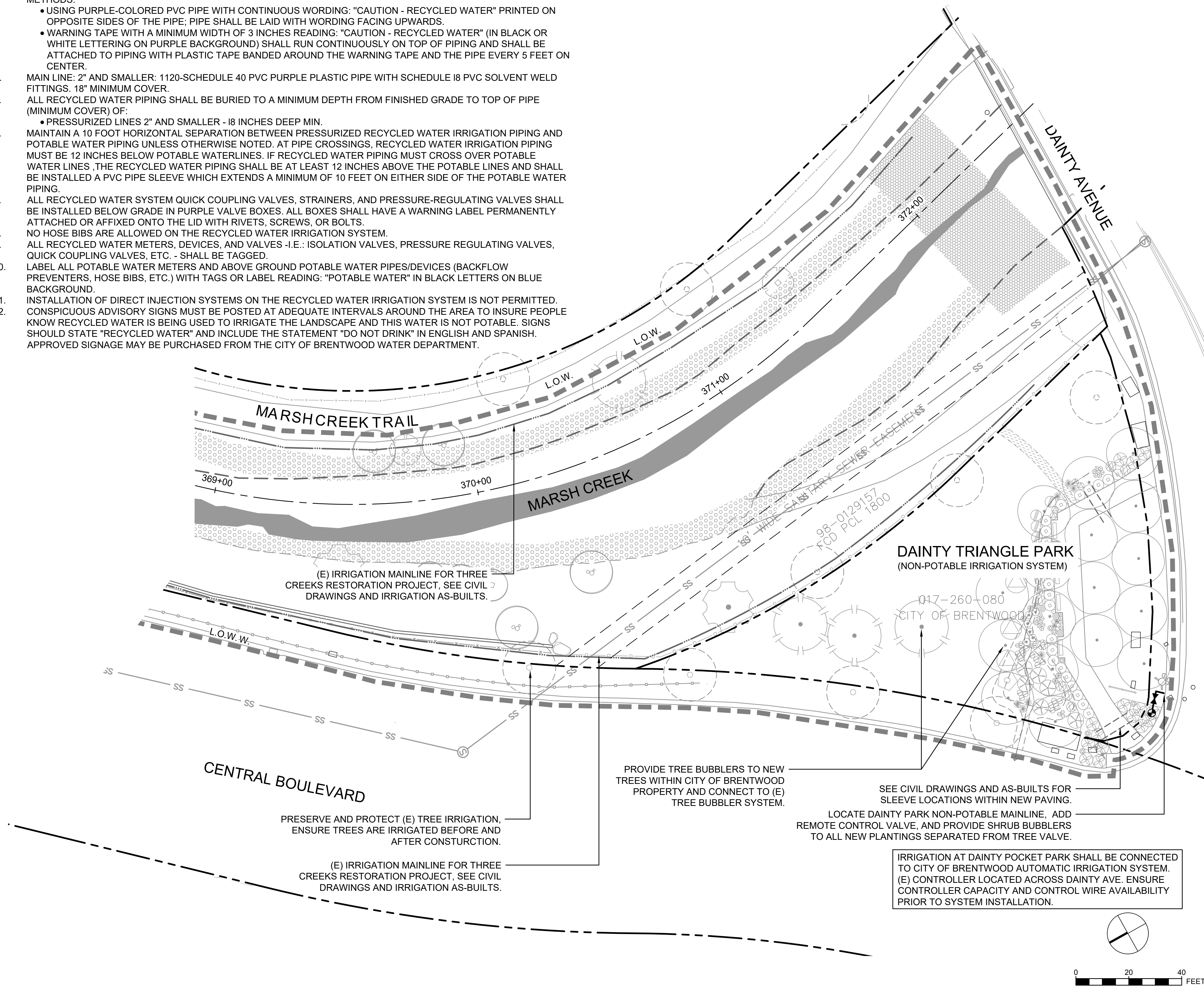
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KEY MAP



NON-POTABLE IRRIGATION NOTES

1. ALL WORK SHALL CONFORM TO EXISTING DEPARTMENT OF HEALTH SERVICES REGULATIONS.
2. NO CROSS-CONNECTIONS TO THE RECYCLED WATER SYSTEM ARE PERMITTED.
3. ALL ON-SITE BURIED RECYCLED WATER PIPING SHALL BE IDENTIFIED BY ONE OF THE FOLLOWING METHODS:
 - USING PURPLE-COLORED PVC PIPE WITH CONTINUOUS WORDING: "CAUTION - RECYCLED WATER" PRINTED ON OPPOSITE SIDES OF THE PIPE; PIPE SHALL BE LAID WITH WORDING FACING UPWARDS.
 - WARNING TAPE WITH A MINIMUM WIDTH OF 3 INCHES READING: "CAUTION - RECYCLED WATER" (IN BLACK OR WHITE LETTERING ON PURPLE BACKGROUND) SHALL RUN CONTINUOUSLY ON TOP OF PIPING AND SHALL BE ATTACHED TO PIPING WITH PLASTIC TAPE BANDED AROUND THE WARNING TAPE AND THE PIPE EVERY 5 FEET ON CENTER.
4. MAIN LINE: 2" AND SMALLER: 1120-SCHEDULE 40 PVC PURPLE PLASTIC PIPE WITH SCHEDULE 18 PVC SOLVENT WELD FITTINGS. 18" MINIMUM COVER.
5. ALL RECYCLED WATER PIPING SHALL BE BURIED TO A MINIMUM DEPTH FROM FINISHED GRADE TO TOP OF PIPE (MINIMUM COVER) OF:
 - PRESSURIZED LINES 2" AND SMALLER - 18 INCHES DEEP MIN.
6. MAINTAIN A 10 FOOT HORIZONTAL SEPARATION BETWEEN PRESSURIZED RECYCLED WATER IRRIGATION PIPING AND POTABLE WATER PIPING UNLESS OTHERWISE NOTED. AT PIPE CROSSINGS, RECYCLED WATER IRRIGATION PIPING MUST BE 12 INCHES BELOW POTABLE WATERLINES. IF RECYCLED WATER PIPING MUST CROSS OVER POTABLE WATER LINES, THE RECYCLED WATER PIPING SHALL BE AT LEAST 12 INCHES ABOVE THE POTABLE LINES AND SHALL BE INSTALLED A PVC PIPE SLEEVE WHICH EXTENDS A MINIMUM OF 10 FEET ON EITHER SIDE OF THE POTABLE WATER PIPING.
7. ALL RECYCLED WATER SYSTEM QUICK COUPLING VALVES, STRAINERS, AND PRESSURE-REGULATING VALVES SHALL BE INSTALLED BELOW GRADE IN PURPLE VALVE BOXES. ALL BOXES SHALL HAVE A WARNING LABEL PERMANENTLY ATTACHED OR AFFIXED ONTO THE LID WITH RIVETS, SCREWS, OR BOLTS.
8. NO HOSE BIBS ARE ALLOWED ON THE RECYCLED WATER IRRIGATION SYSTEM.
9. ALL RECYCLED WATER METERS, DEVICES, AND VALVES -I.E.: ISOLATION VALVES, PRESSURE REGULATING VALVES, QUICK COUPLING VALVES, ETC. - SHALL BE TAGGED.
10. LABEL ALL POTABLE WATER METERS AND ABOVE GROUND POTABLE WATER PIPES/DEVICES (BACKFLOW PREVENTERS, HOSE BIBS, ETC.) WITH TAGS OR LABEL READING: "POTABLE WATER" IN BLACK LETTERS ON BLUE BACKGROUND.
11. INSTALLATION OF DIRECT INJECTION SYSTEMS ON THE RECYCLED WATER IRRIGATION SYSTEM IS NOT PERMITTED. CONSPICUOUS ADVISORY SIGNS MUST BE POSTED AT ADEQUATE INTERVALS AROUND THE AREA TO INSURE PEOPLE KNOW RECYCLED WATER IS BEING USED TO IRRIGATE THE LANDSCAPE AND THIS WATER IS NOT POTABLE. SIGNS SHOULD STATE "RECYCLED WATER" AND INCLUDE THE STATEMENT "DO NOT DRINK" IN ENGLISH AND SPANISH. APPROVED SIGNAGE MAY BE PURCHASED FROM THE CITY OF BRENTWOOD WATER DEPARTMENT.
- 12.



REVISIONS	
DATE	DESCRIPTION

THREE CREEKS PARKWAY RESTORATION PROJECT LANDSCAPE SET



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DATE MAY 22, 2020

CITY PARK IRRIGATION

SHEET

L-1.8

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YEAR 1 PATCH SCHEDULES CONTINUED

PATCH TYPE G: TORREY'S MELLIC STANDS

	1G 1 Torrey's melic stands	1G 2 Torrey's melic stands	1G 3 Torrey's melic stands	TOTAL
AREA (SF)	330	329	300	
SMALL GRASSES / FORBS				
Bromus carinatus	74	74	67	215
Melica torreyana	130	130	118	378
Solidago velutina ssp. californica	77	77	70	224
Symphotrichum chilense	70	70	64	204
TOTAL PLANTS	351	351	319	

PATCH TYPE L: LUPINE SCRUB

	1L 1 Lupine Scrub	1L 2 Lupine Scrub	1L 3 Lupine Scrub	1L 4 Lupine Scrub	1L 5 Lupine Scrub	1L 6 Lupine Scrub	TOTAL
AREA (SF)	611	510	603	669	602	599	
MEDIUM SHRUBS							
Artemisia californica	8	7	8	9	8	8	48
Grindelia camporum	16	13	15	17	15	15	91
Lupinus albifrons	31	26	31	34	31	31	184
SMALL GRASSES / FORBS							
Chlorogalum pomeridianum	13	11	13	14	13	13	77
Eriogonum nudum	52	43	51	57	51	51	305
Achillea millefolium	52	43	51	57	51	51	305
Lupinus succulentus	111	92	109	121	109	108	650
Solidago velutina ssp. californica	11	10	11	12	11	11	66
Stipa cernua	98	81	96	107	96	96	574
Stipa pulchra	65	54	64	71	64	64	382
Symphotrichum chilense	21	18	21	23	21	21	125
TOTAL PLANTS	478	398	470	522	449	469	

PATCH TYPE: 15 GAL TREE CALIFORNIA BUCKEYE

	EACH TREE	TOTAL
15 GAL AESCULUS CALIFORNICA TREES		
Aesculus californica	1	16
LARGE SHRUBS		
Baccharis pilularis	3	48
Frangula californica	1	16
Heteromeles arbutifolia	1	16
MEDIUM SHRUBS		
Artemisia californica	1	16
Rosa californica	2	32
SMALL GRASSES / FORBS		
Elymus triticoides	3	48
Melica californica	3	48
Poa secunda	2	32
Solidago velutina ssp californica	1	16
Stipa pulchra	3	48
TOTAL PLANTS	21	

PATCH TYPE: 15 GAL TREE BLACK WALNUT

	EACH TREE	TOTAL
15 GAL JUGLANS HINDSII TREES		
Juglans hindsii	1	10
LARGE SHRUBS		
Baccharis pilularis	3	30
Frangula californica	2	20
Rhamnus ilicifolia	1	10
MEDIUM SHRUBS		
Rosa californica	1	10
SMALL GRASSES / FORBS		
Elymus triticoides	3	30
Lupinus succulentus	2	20
Melica californica	3	30
Poa secunda	3	30
Solidago velutina ssp californica	1	10
Stipa pulchra	3	30
TOTAL PLANTS	23	

PATCH TYPE: 15 GAL TREE LIVE OAK

	EACH TREE	TOTAL
15 GAL QUERCUS AGRIFOLIA TREES		
Quercus agrifolia	1	20
LARGE SHRUBS		
Baccharis pilularis	3	60
Rhamnus ilicifolia	2	40
MEDIUM SHRUBS		
Artemisia californica	1	20
Rosa californica	2	40
SMALL GRASSES / FORBS		
Elymus triticoides	3	60
Lupinus succulentus	2	40
Melica californica	3	60
Solidago velutina ssp californica	1	20
Stipa pulchra	3	60
TOTAL PLANTS	21	

PATCH TYPE: 15 GAL TREE VALLEY OAK

	EACH TREE	TOTAL
15 GAL QUERCUS LOBATA TREES		
Quercus lobata	1	15
LARGE SHRUBS		
Baccharis pilularis	3	45
Rhamnus ilicifolia	3	45
SMALL GRASSES / FORBS		
Elymus triticoides	3	45
Lupinus succulentus	2	30
Melica californica	3	45
Solidago velutina ssp californica	1	15
Stipa pulchra	3	45
TOTAL PLANTS	19	

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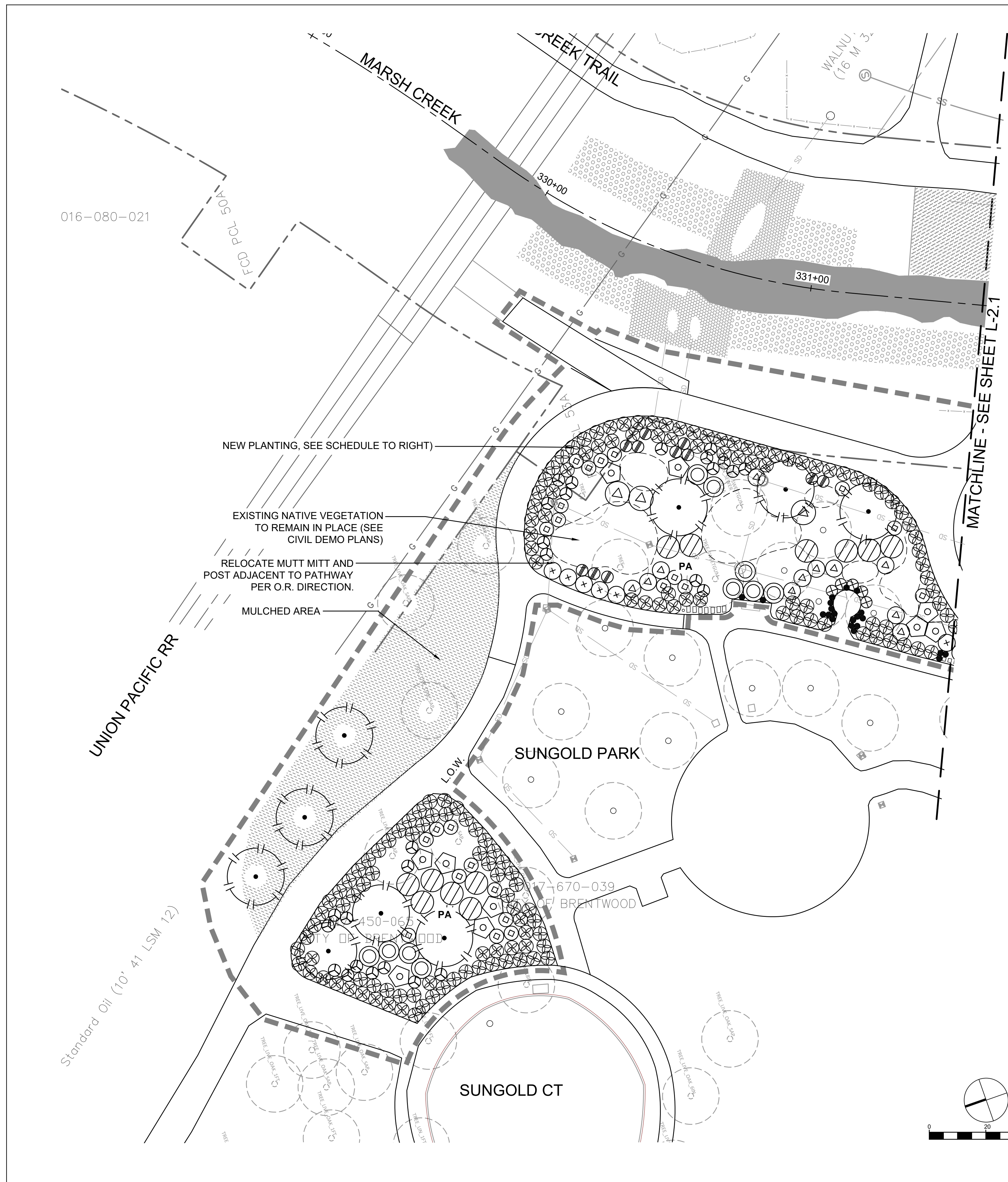
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RESTORATION PLANTING Y1

SHEET
T-5

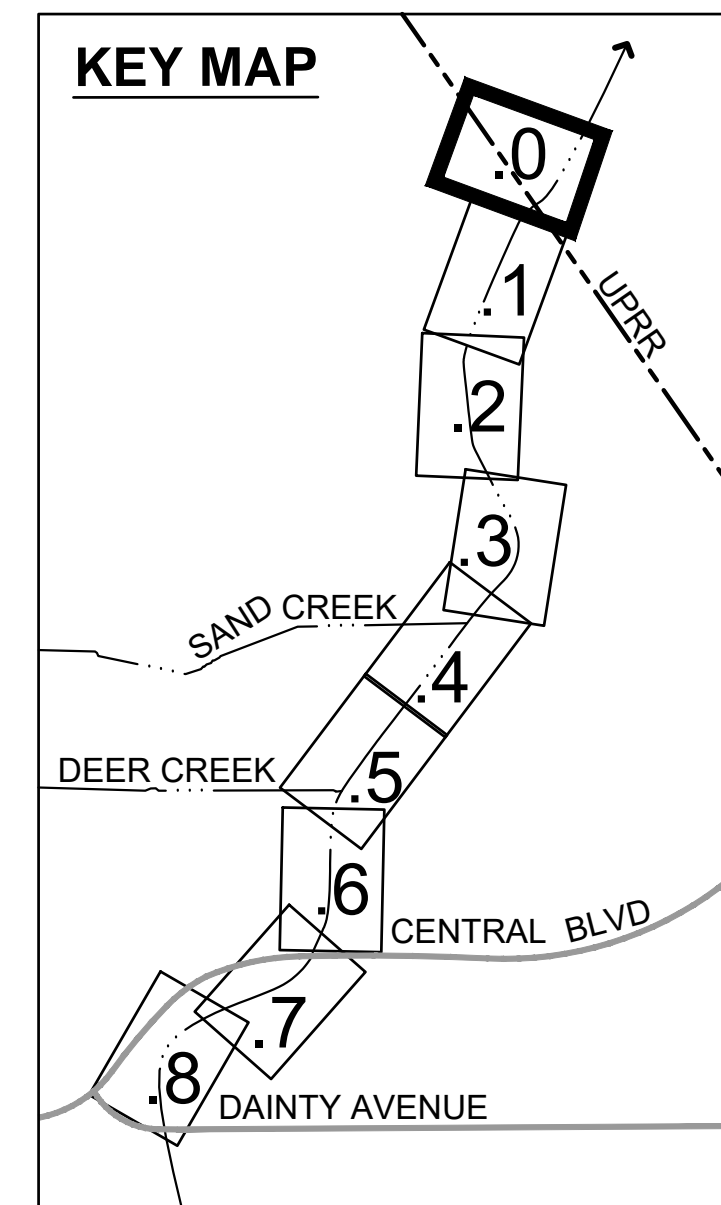


PLANT SCHEDULE - SUNGOLD PARK IMPROVEMENTS

SYMBOL	BOTANICAL NAME	COMMON	SIZE	QTY	SPACING
●	ACHILLEA MILLEFOLIUM	YARROW	4" POT	26	2' O.C.
⊖	ARCTOSTAPHYLOS DENSIFLORA 'HOWARD MCMINN'	MANZANITA	1 GAL	12	8' O.C.
⊕	CEANOTHUS GRISEUS HORIZONTALIS 'YANKEE POINT'	CALIFORNIA LILAC	1 GAL	185	5' O.C.
⊙	CEANOTHUS 'JULIA PHELPS'	CALIFORNIA LILAC	5 GAL	10	7' O.C.
⊖	CISTUS LADANIFER	WHITE ROCKROSE	1 GAL	17	4' O.C.
⊕	FRANGULA CALIFORNICA	COFFEEBERRY	1 GAL	3	8' O.C.
⊕	FRANGULA CALIFORNICA 'EVE CASE'	EVE CASE COFFEEBERRY	1 GAL	11	6' O.C.
⊖	LEYMUS CONDENSATUS 'CANYON PRINCE'	BLUE WILD RYE	1 GAL	30	4' O.C.
⊖	LUPINUS ALBIFRONS	SILVER BUSH LUPINE	1 GAL	17	4' O.C.
⊖	MYOPORUM PARVIFOLIUM	CREEPING MYOPORUM	4" POT	730 SF	2' O.C.
⊙	OLEA EUROPEA 'LITTLE OLLIE'	DWARF OLIVE	5 GAL	22	5' O.C.
⊕	ROMNEYA COULTERI	MATILIJIA POPPY	1 GAL	10	8' O.C.
+	SALVIA 'BEE'S BLISS'	BEE'S BLISS SAGE	1 GAL	7	6' O.C.
⊖	SALVIA 'POZO BLUE'	POZO BLUE SAGE	1 GAL	25	5' O.C.
⊕	SALVIA 'WINIFRED GILMAN'	WINIFRED GILMAN SAGE	1 GAL	11	4' O.C.
⊕	PLANTANUS RACEMOSA	CALIFORNIA SYCAMORE	15 GAL	4	SEE PLANS
⊕	QUERCUS AGRIFOLIA	COAST LIVE OAK	15 GAL	9	SEE PLANS

CITY PARK PLANTING NOTES

- ALL PLANTS LISTED ABOVE, AND ON L-2.11, SHALL BE SOURCED AND PROCURED BY CONTRACTOR, AND ARE NOT INCLUDED IN RESTORATION PLANTING TOTALS LISTED ON SHEETS T-3, T-6, T-8.
- MULCH ALL PLANTING AREAS INCLUDING AROUND EXISTING VEGETATION TO REMAIN. EXCLUDE MULCH AT MYOPORUM. USE CITY OF BRENTWOOD STANDARD MULCH. SEE SPECIFICATIONS.



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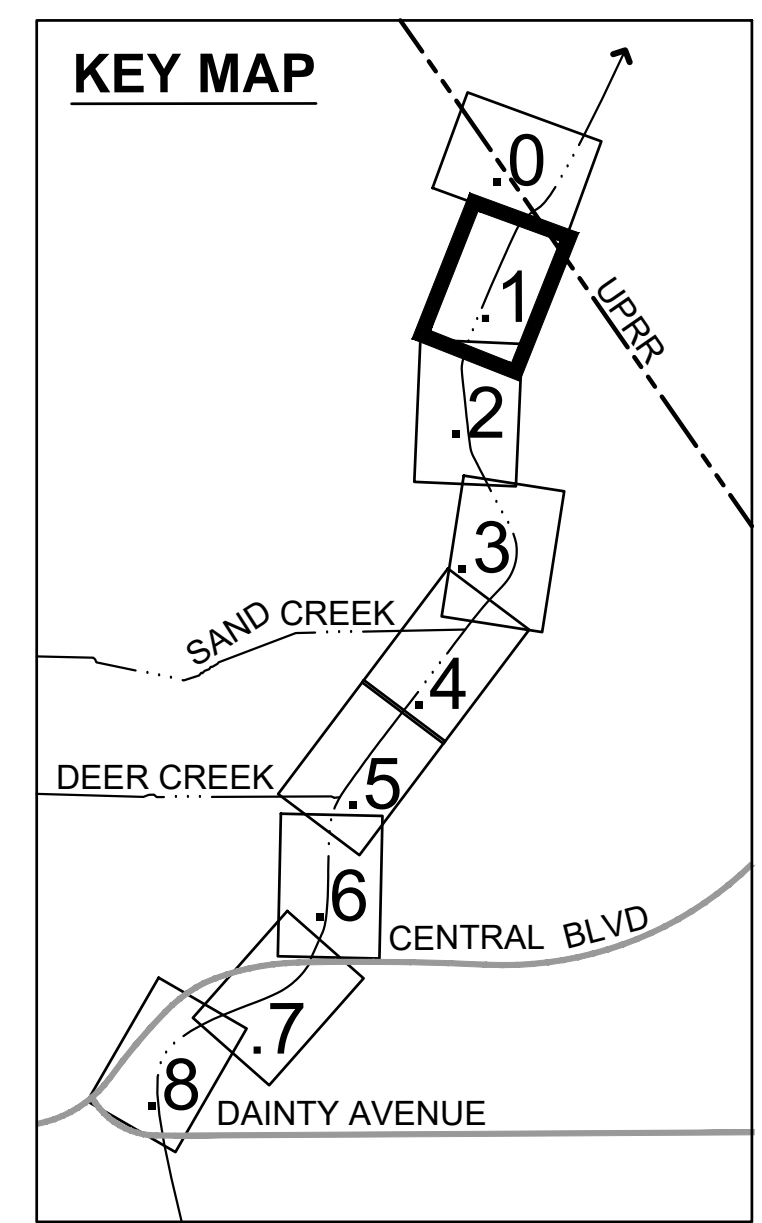
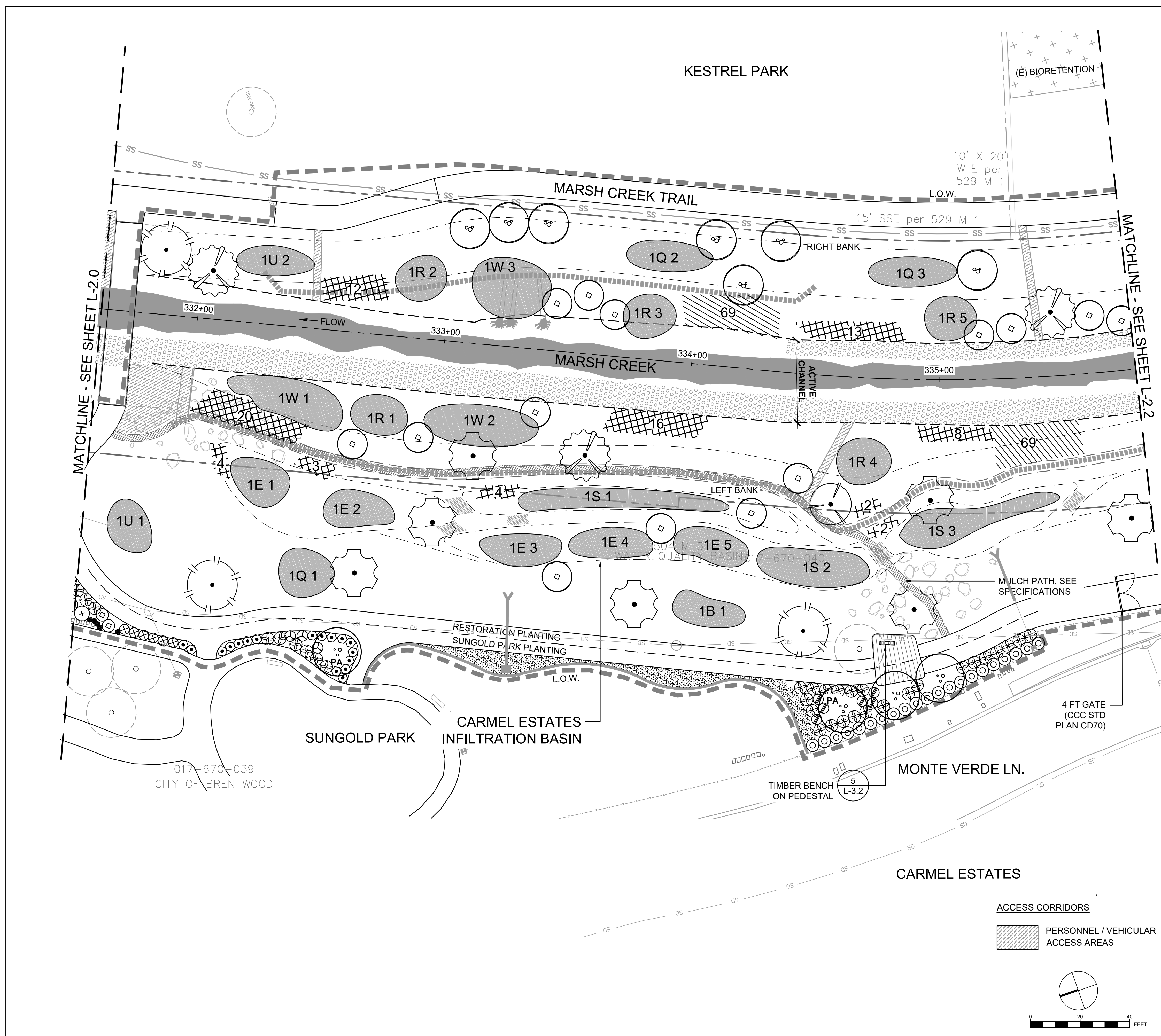
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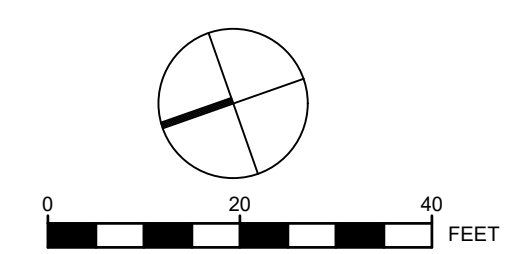
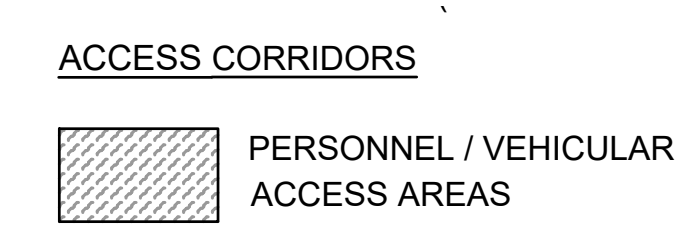
REVEGETATION

SHEET
L-2.0

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- SEE T-3 THROUGH T-9 FOR INDIVIDUAL PATCH COMPOSITION
- PATCH CODES: $\frac{3}{L-3.3}$ YEAR (1,2,3)
- 1Q12 NUMBER
- TYPE (LIVE OAK RIPARIAN, ETC)
- 15 GAL TREE PATCH $\frac{2}{L-3.3}$
- QUERCUS AGRIFOLIA LIVE OAK
 - AESCULUS CALIFORNICA CALIFORNIA BUCKEYE
 - QUERCUS LOBATA VALLEY OAK
 - JUGLANS HINDSII BLACK WALNUT
- 5 GAL TREES $\frac{2}{L-3.2}$
- POPULUS FREMONTII FREMONT COTTONWOOD
 - SAMBUCUS NIGRA V. CAERULEA BLUE ELDERBERRY
 - PLATANUS RACEMOSA CALIFORNIA SYCAMORE
- LIVE CUTTINGS
- WILLOW CLUSTER (# = POLES PER PATCH) $\frac{5}{L-3.2}$
 - COTTONWOOD SHORT POLES (# = POLES PER PATCH) $\frac{5}{L-3.2}$
 - COTTONWOOD LONG POLE $\frac{6}{L-3.2}$ $\frac{5}{L-3.2}$



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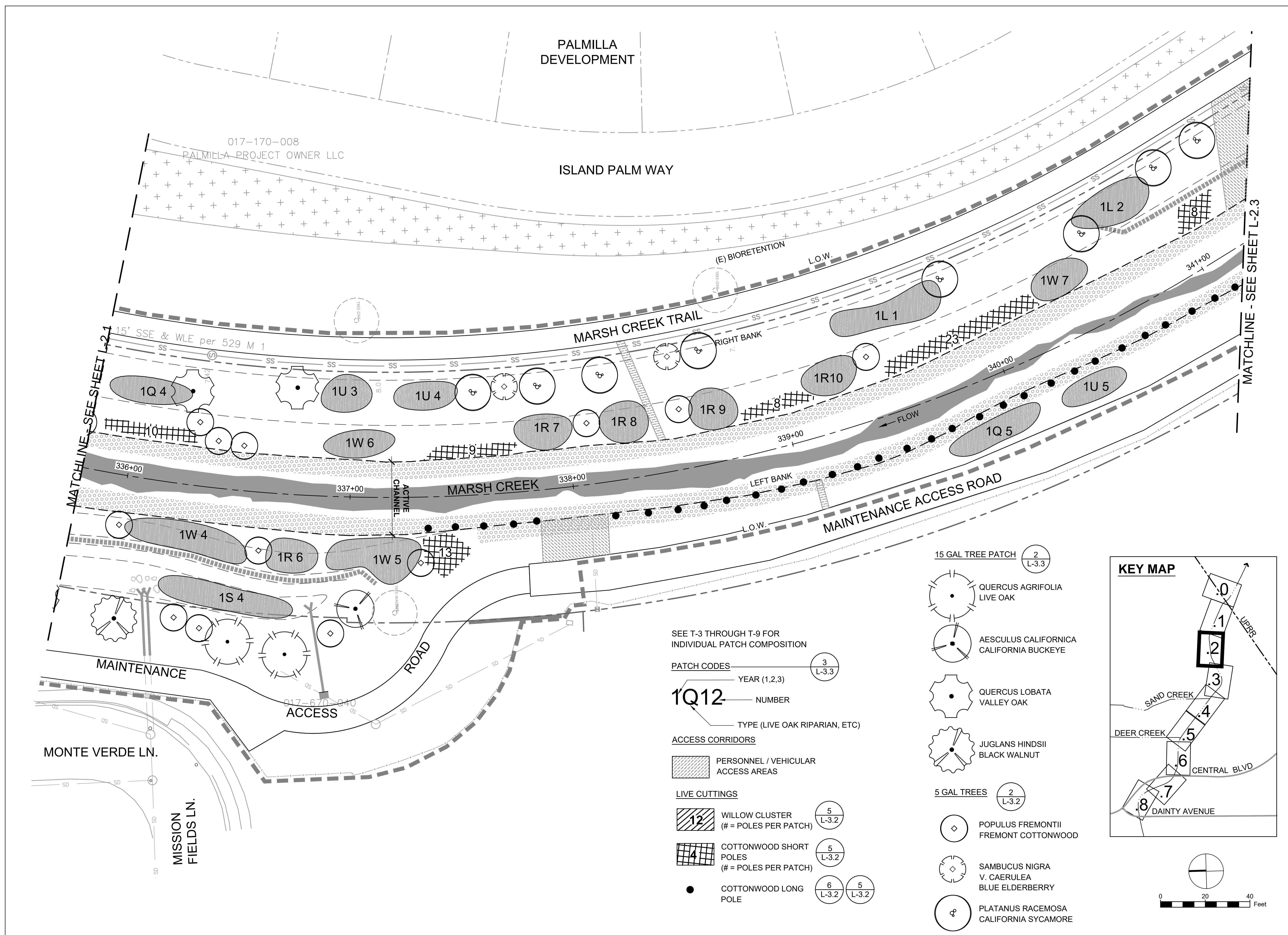
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REVEGETATION

SHEET
L-2.1

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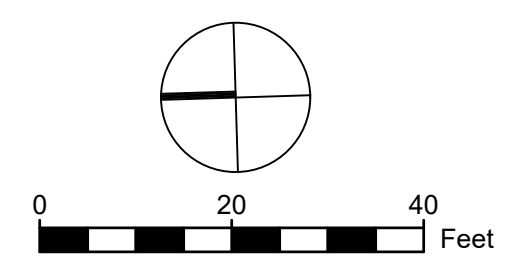
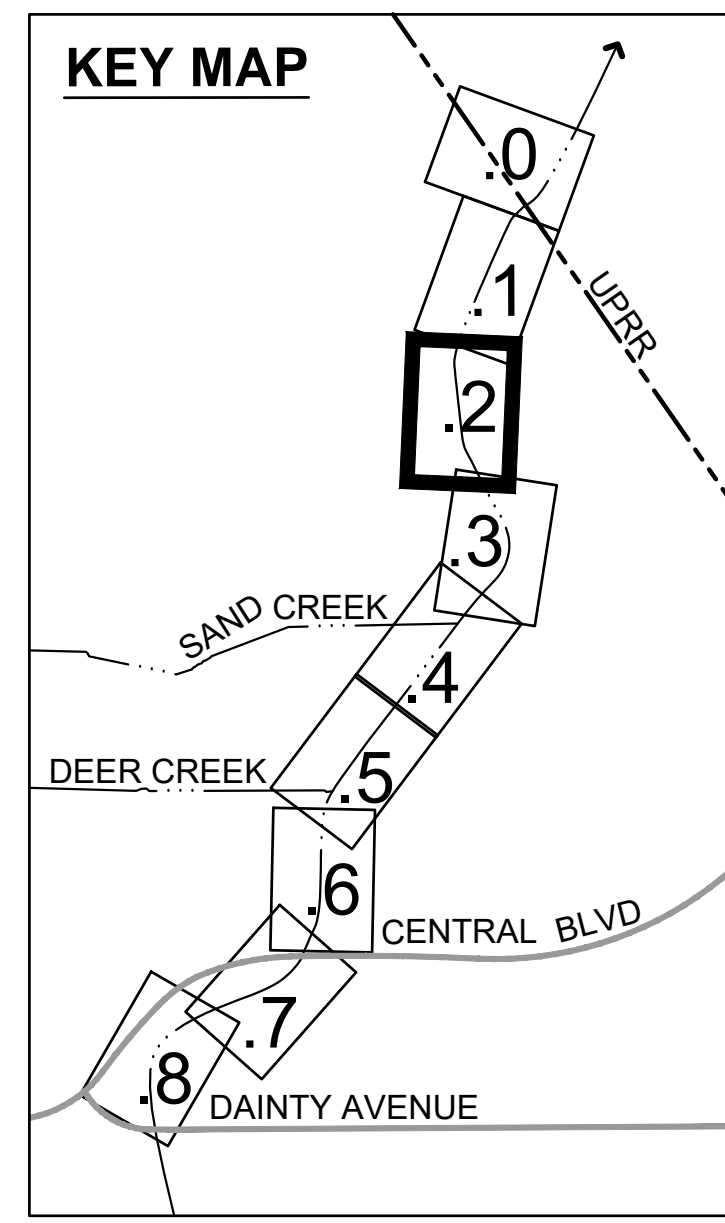
SEE T-3 THROUGH T-9 FOR INDIVIDUAL PATCH COMPOSITION

PATCH CODES
 YEAR (1,2,3)
 NUMBER
 TYPE (LIVE OAK RIPARIAN, ETC)

ACCESS CORRIDORS
 PERSONNEL / VEHICULAR ACCESS AREAS

LIVE CUTTINGS
 WILLOW CLUSTER (# = POLES PER PATCH)
 COTTONWOOD SHORT POLES (# = POLES PER PATCH)
 COTTONWOOD LONG POLE

- 15 GAL TREE PATCH (2 L-3.3)
 QUERCUS AGRIFOLIA LIVE OAK
- AESCULUS CALIFORNICA CALIFORNIA BUCKEYE
- QUERCUS LOBATA VALLEY OAK
- JUGLANS HINDSII BLACK WALNUT
- 5 GAL TREES (2 L-3.2)
 POPULUS FREMONTII FREMONT COTTONWOOD
- SAMBUCUS NIGRA V. CAERULEA BLUE ELDERBERRY
- PLATANUS RACEMOSA CALIFORNIA SYCAMORE



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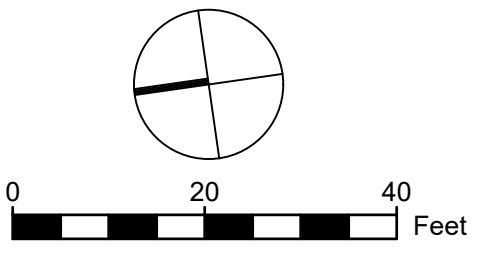
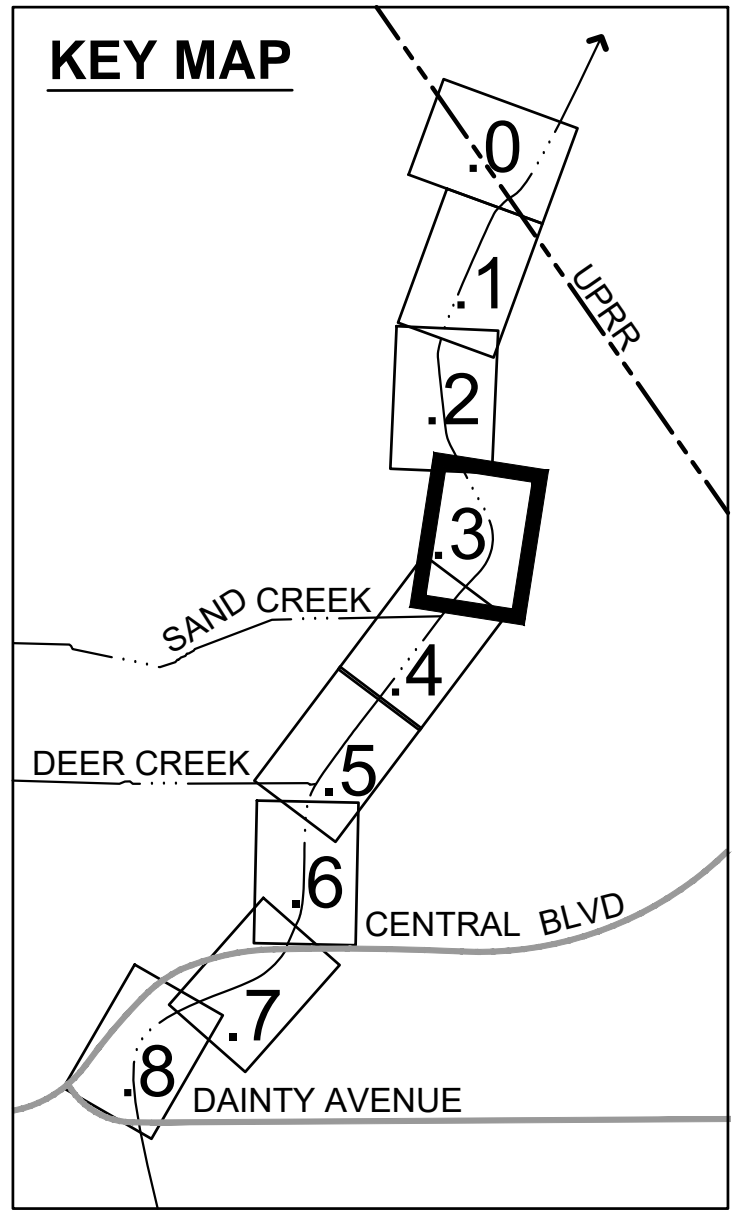
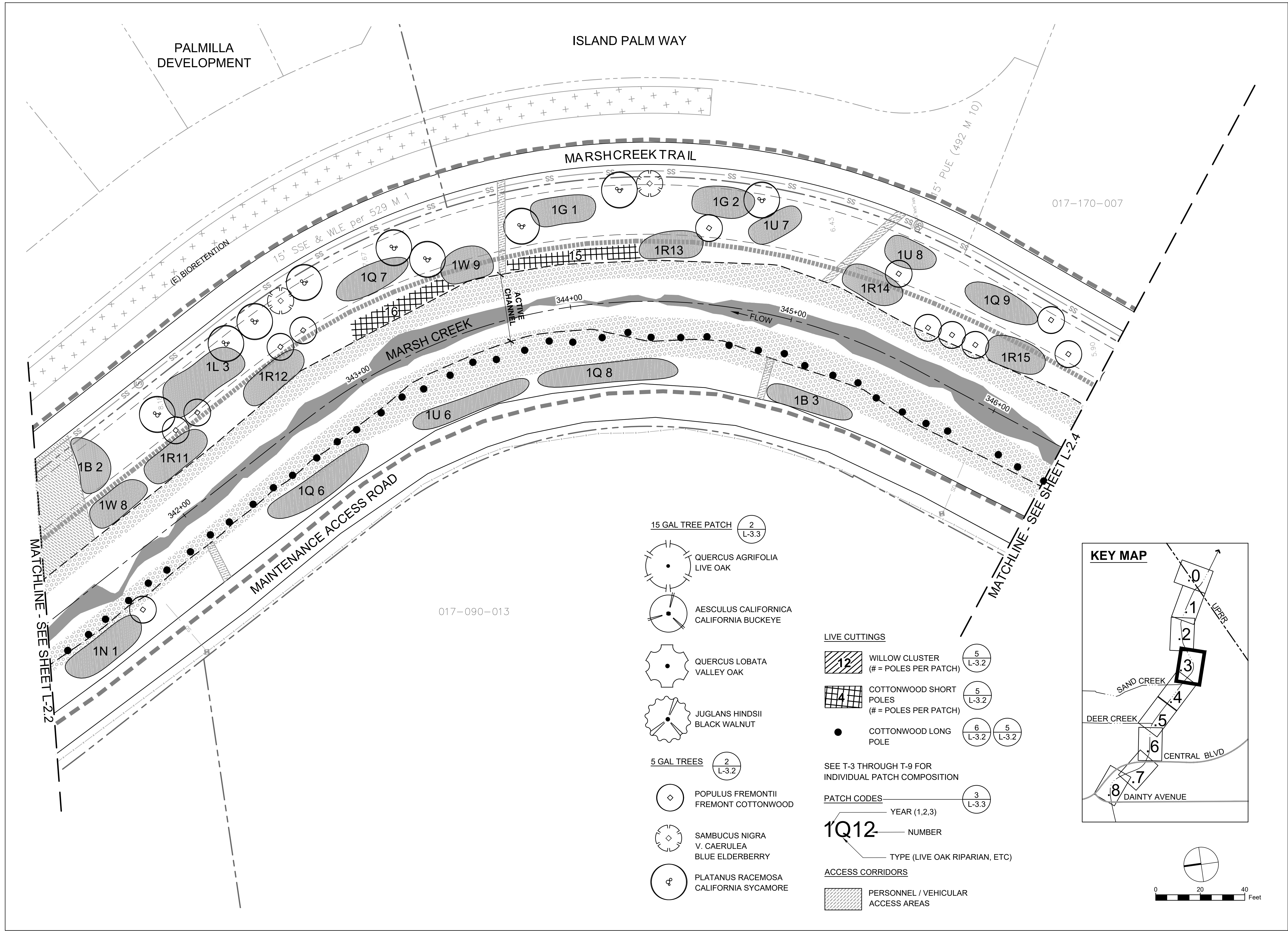
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REVEGETATION

SHEET

L-2.2

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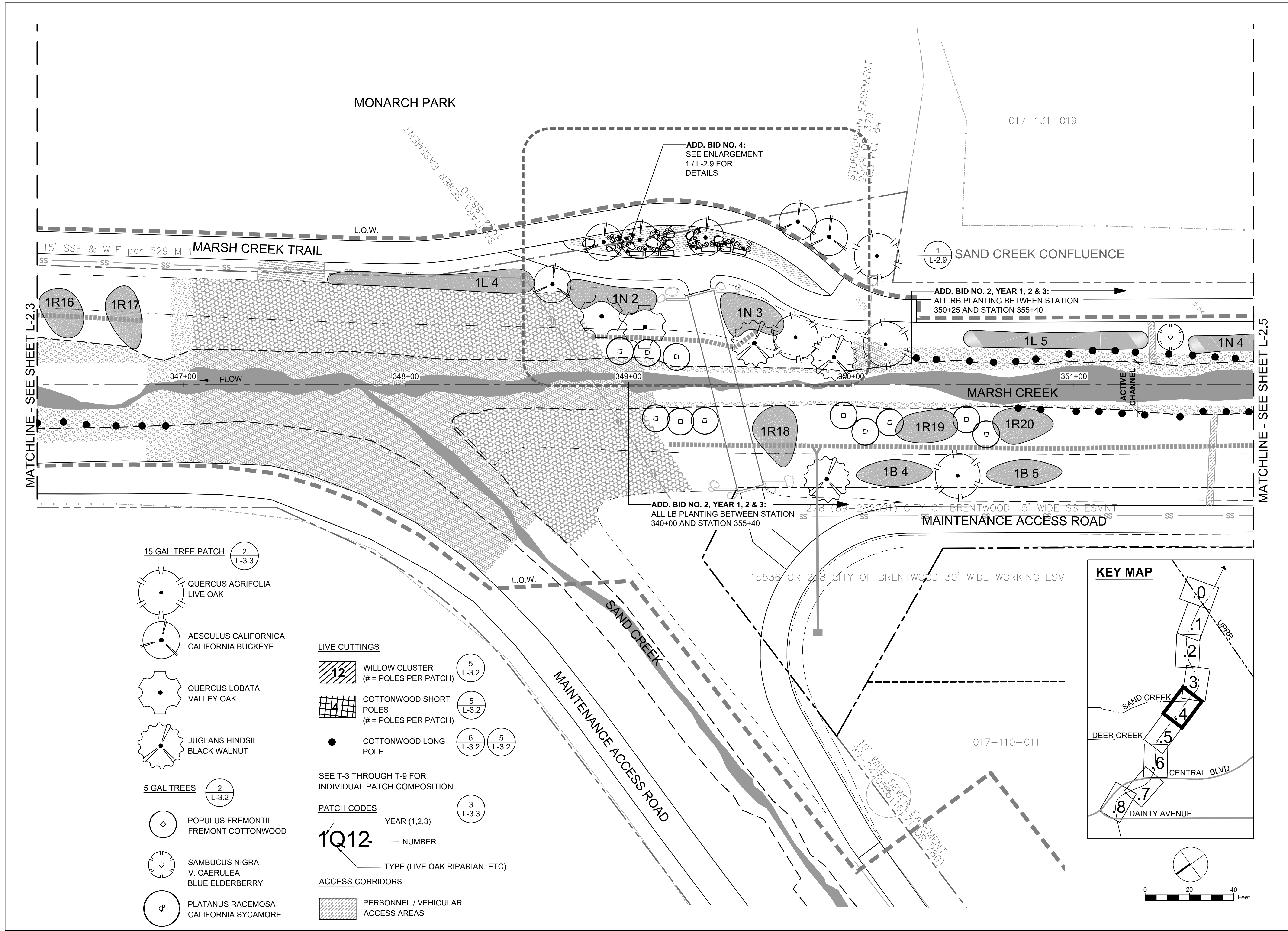
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REVEGETATION

SHEET
L-2.3



MATCHLINE - SEE SHEET L-2.3

MATCHLINE - SEE SHEET L-2.5

15 GAL TREE PATCH $\frac{2}{L-3.3}$

- QUERCUS AGRIFOLIA LIVE OAK
- AESCULUS CALIFORNICA CALIFORNIA BUCKEY
- QUERCUS LOBATA VALLEY OAK
- JUGLANS HINDSII BLACK WALNUT

5 GAL TREES $\frac{2}{L-3.2}$

- POPULUS FREMONTII FREMONT COTTONWOOD
- SAMBUCUS NIGRA V. CAERULEA BLUE ELDERBERRY
- PLATANUS RACEMOSA CALIFORNIA SYCAMORE

LIVE CUTTINGS

- WILLOW CLUSTER (# = POLES PER PATCH) $\frac{5}{L-3.2}$
- COTTONWOOD SHORT POLES (# = POLES PER PATCH) $\frac{5}{L-3.2}$
- COTTONWOOD LONG POLE $\frac{6}{L-3.2}$ $\frac{5}{L-3.2}$

SEE T-3 THROUGH T-9 FOR INDIVIDUAL PATCH COMPOSITION

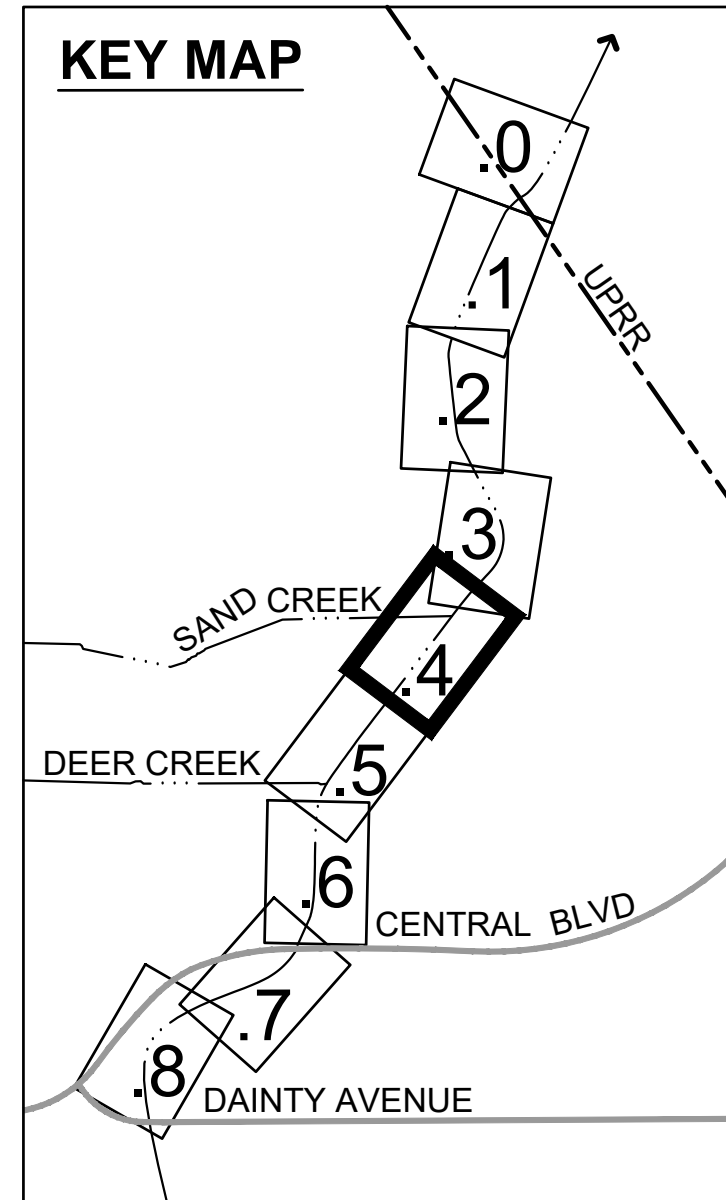
PATCH CODES $\frac{3}{L-3.3}$

1Q12

- YEAR (1,2,3)
- NUMBER
- TYPE (LIVE OAK RIPARIAN, ETC)

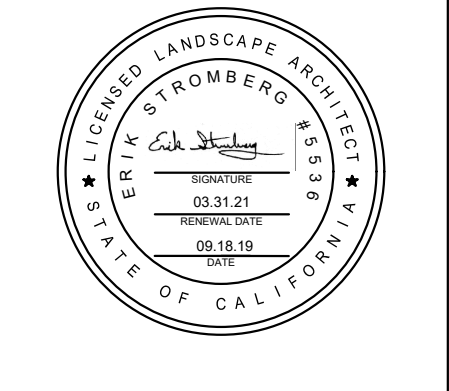
ACCESS CORRIDORS

- PERSONNEL / VEHICULAR ACCESS AREAS



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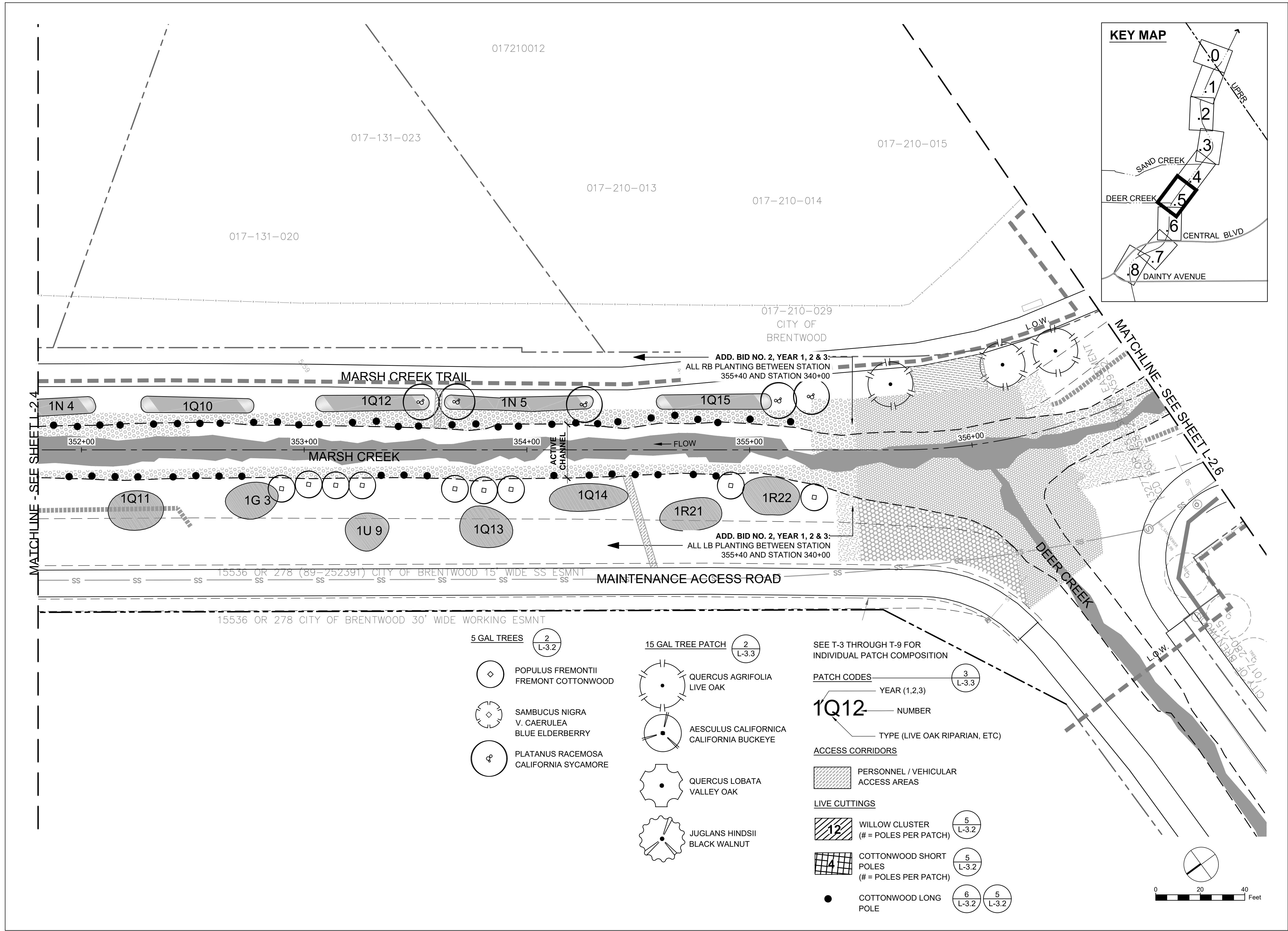
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REVEGETATION

SHEET

L-2.4

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REVEGETATION

SHEET
L-2.5

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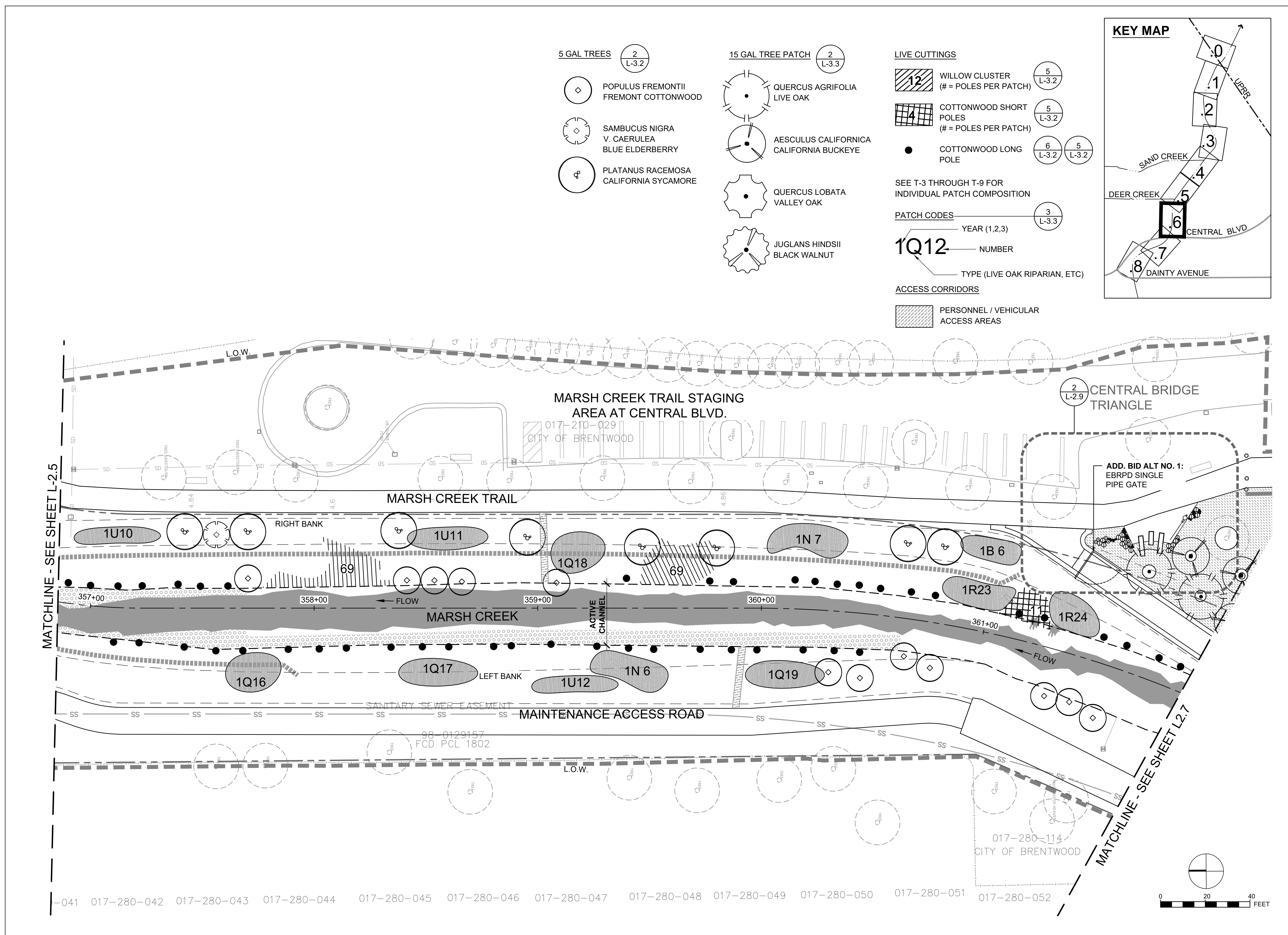
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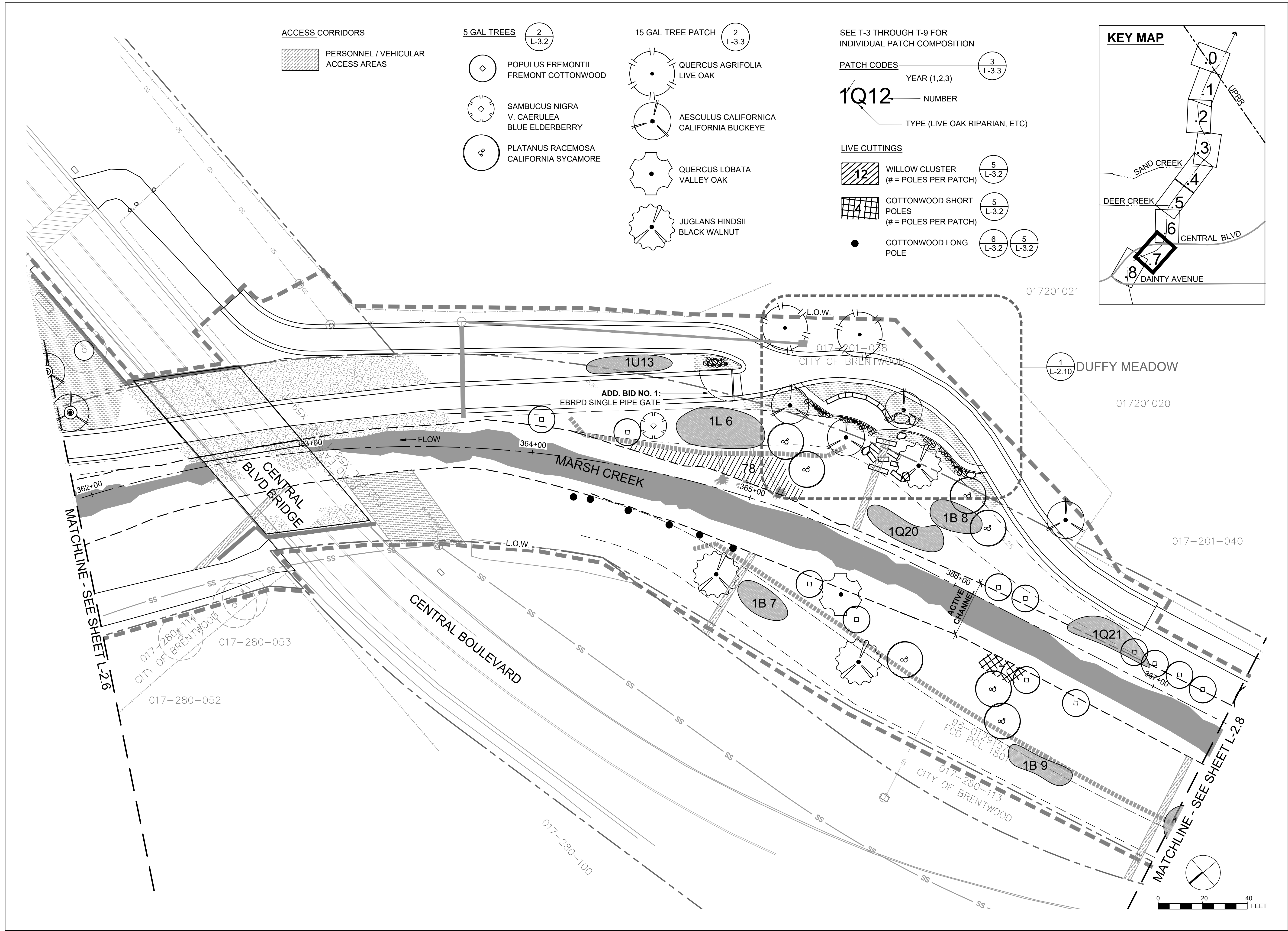
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REVEGETATION

SHEET
L-2.6

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ACCESS CORRIDORS
 PERSONNEL / VEHICULAR ACCESS AREAS

- 5 GAL TREES** (2 / L-3.2)
- POPULUS FREMONTII
FREMONT COTTONWOOD
 - SAMBUCUS NIGRA
V. CAERULEA
BLUE ELDERBERRY
 - PLATANUS RACEMOSA
CALIFORNIA SYCAMORE

- 15 GAL TREE PATCH** (2 / L-3.3)
- QUERCUS AGRIFOLIA
LIVE OAK
 - AESCULUS CALIFORNICA
CALIFORNIA BUCKEYE
 - QUERCUS LOBATA
VALLEY OAK
 - JUGLANS HINDSII
BLACK WALNUT

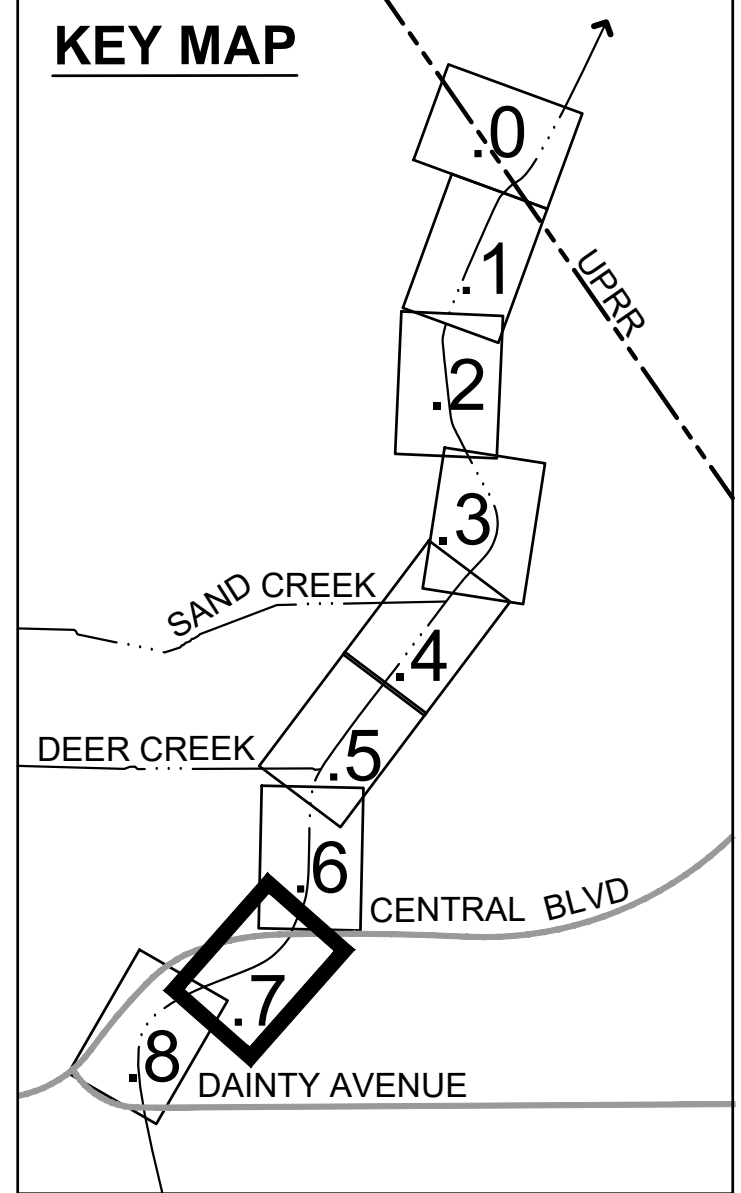
SEE T-3 THROUGH T-9 FOR INDIVIDUAL PATCH COMPOSITION

PATCH CODES

- (3 / L-3.3) YEAR (1,2,3)
- 1Q12 NUMBER
- (Type symbol) TYPE (LIVE OAK RIPARIAN, ETC)

LIVE CUTTINGS

- 12 WILLOW CLUSTER (# = POLES PER PATCH) (5 / L-3.2)
- 4 COTTONWOOD SHORT POLES (# = POLES PER PATCH) (5 / L-3.2)
- COTTONWOOD LONG POLE (6 / L-3.2) (5 / L-3.2)



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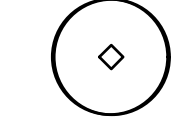
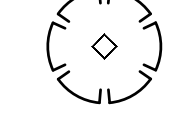
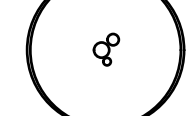
REVEGETATION

SHEET
L-2.7



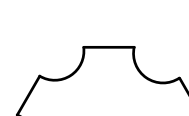

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ACCESS CORRIDORS
 PERSONNEL / VEHICULAR ACCESS AREAS

5 GAL TREES $\frac{2}{L-3.2}$

-  POPULUS FREMONTII
FREMONT COTTONWOOD
-  SAMBUCUS NIGRA
V. CAERULEA
BLUE ELDERBERRY
-  PLATANUS RACEMOSA
CALIFORNIA SYCAMORE

15 GAL TREE PATCH $\frac{2}{L-3.3}$


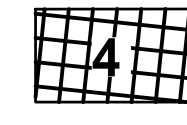
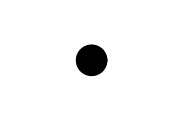
-  QUERCUS AGRIFOLIA
LIVE OAK
-  AESCULUS CALIFORNICA
CALIFORNIA BUCKEYE
-  QUERCUS LOBATA
VALLEY OAK
-  JUGLANS HINDSII
BLACK WALNUT

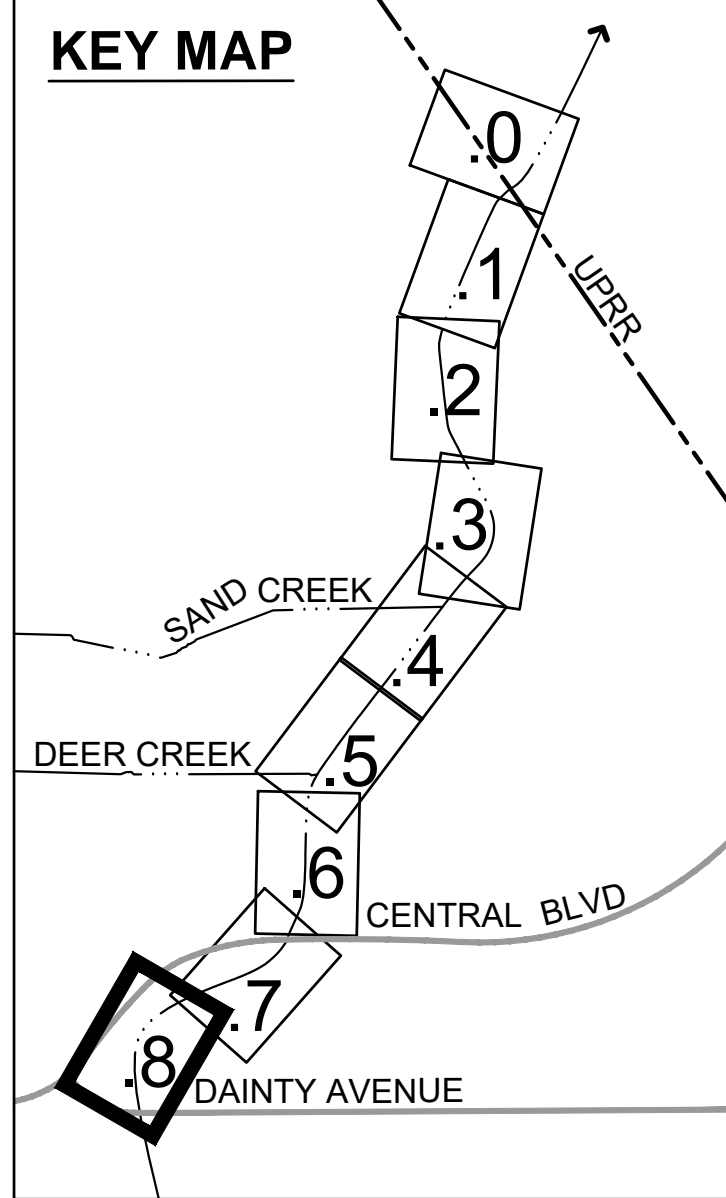
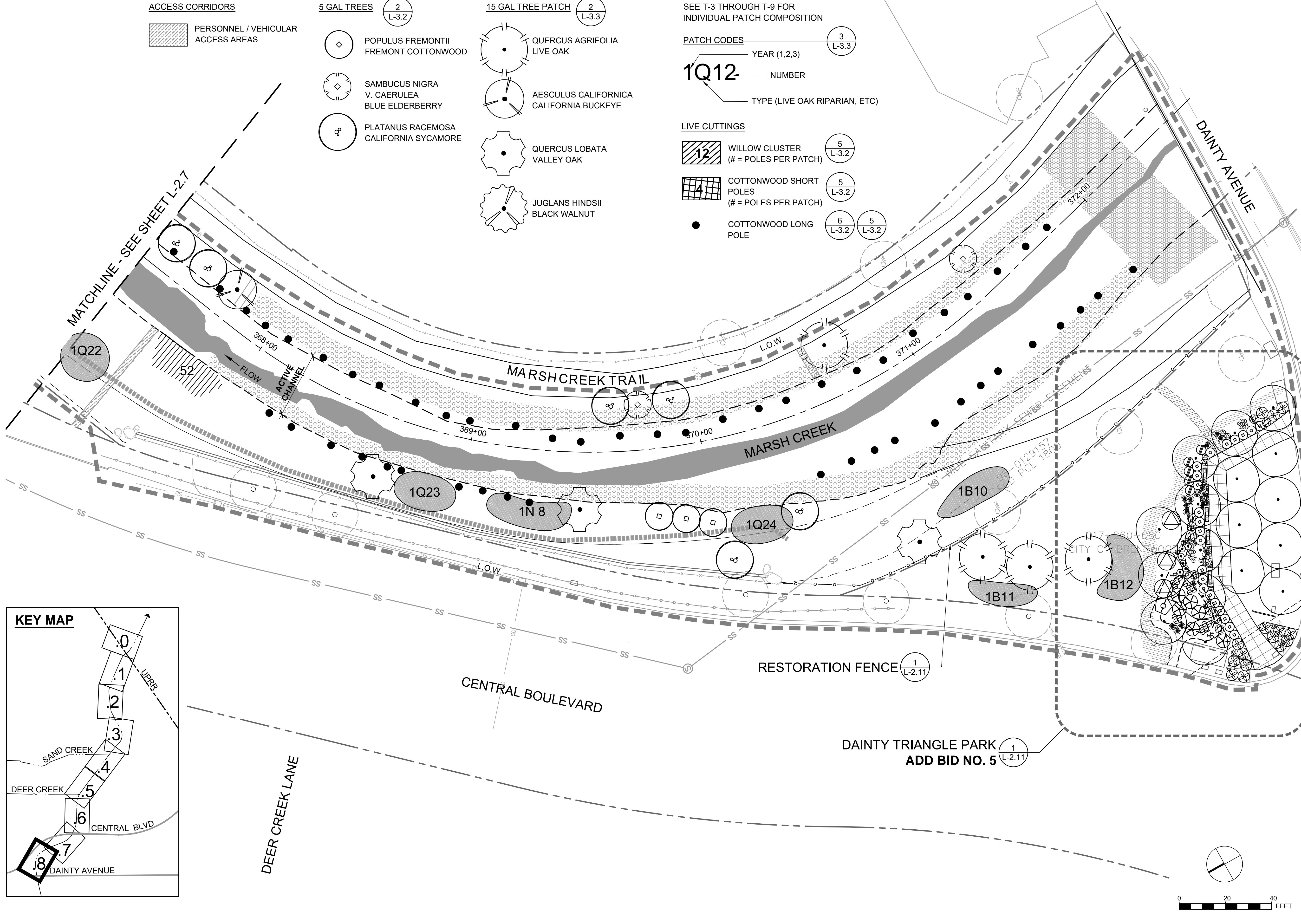
SEE T-3 THROUGH T-9 FOR
INDIVIDUAL PATCH COMPOSITION

PATCH CODES $\frac{3}{L-3.3}$

1Q12
 YEAR (1,2,3)
 NUMBER
 TYPE (LIVE OAK RIPARIAN, ETC)

LIVE CUTTINGS

-  WILLOW CLUSTER
(# = POLES PER PATCH) $\frac{5}{L-3.2}$
-  COTTONWOOD SHORT
POLES
(# = POLES PER PATCH) $\frac{5}{L-3.2}$
-  COTTONWOOD LONG
POLE $\frac{6}{L-3.2}$ $\frac{5}{L-3.2}$



REVISIONS	
DATE	DESCRIPTION

THREE CREEKS PARKWAY RESTORATION PROJECT LANDSCAPE SET



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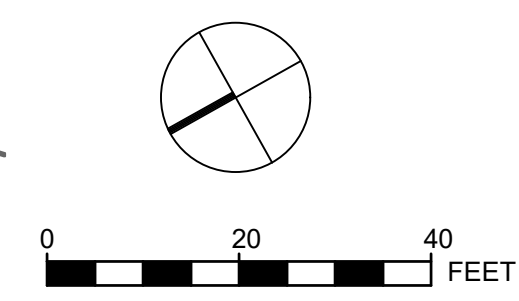
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SCALE 1" = 20'-0"

DATE MAY 22, 2020

REVEGETATION

SHEET
L-2.8



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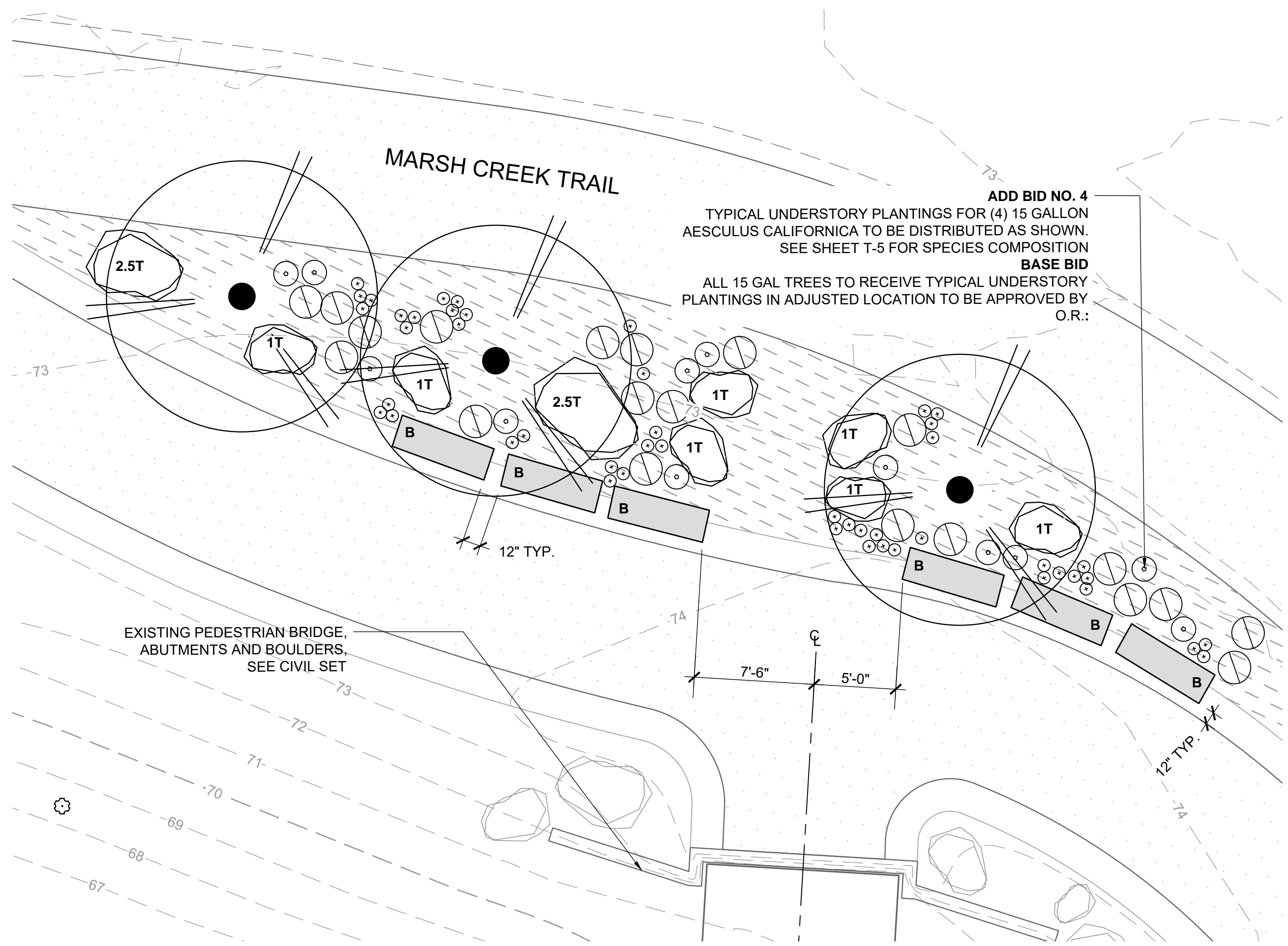
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SHEET
L-2.9

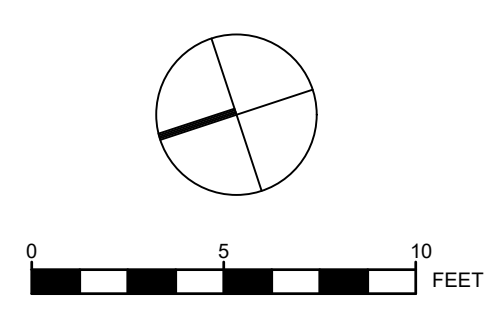


ADD BID NO. 4
TYPICAL UNDERSTORY PLANTINGS FOR (4) 15 GALLON AESCULUS CALIFORNICA TO BE DISTRIBUTED AS SHOWN. SEE SHEET T-5 FOR SPECIES COMPOSITION
BASE BID
ALL 15 GAL TREES TO RECEIVE TYPICAL UNDERSTORY PLANTINGS IN ADJUSTED LOCATION TO BE APPROVED BY O.R.:

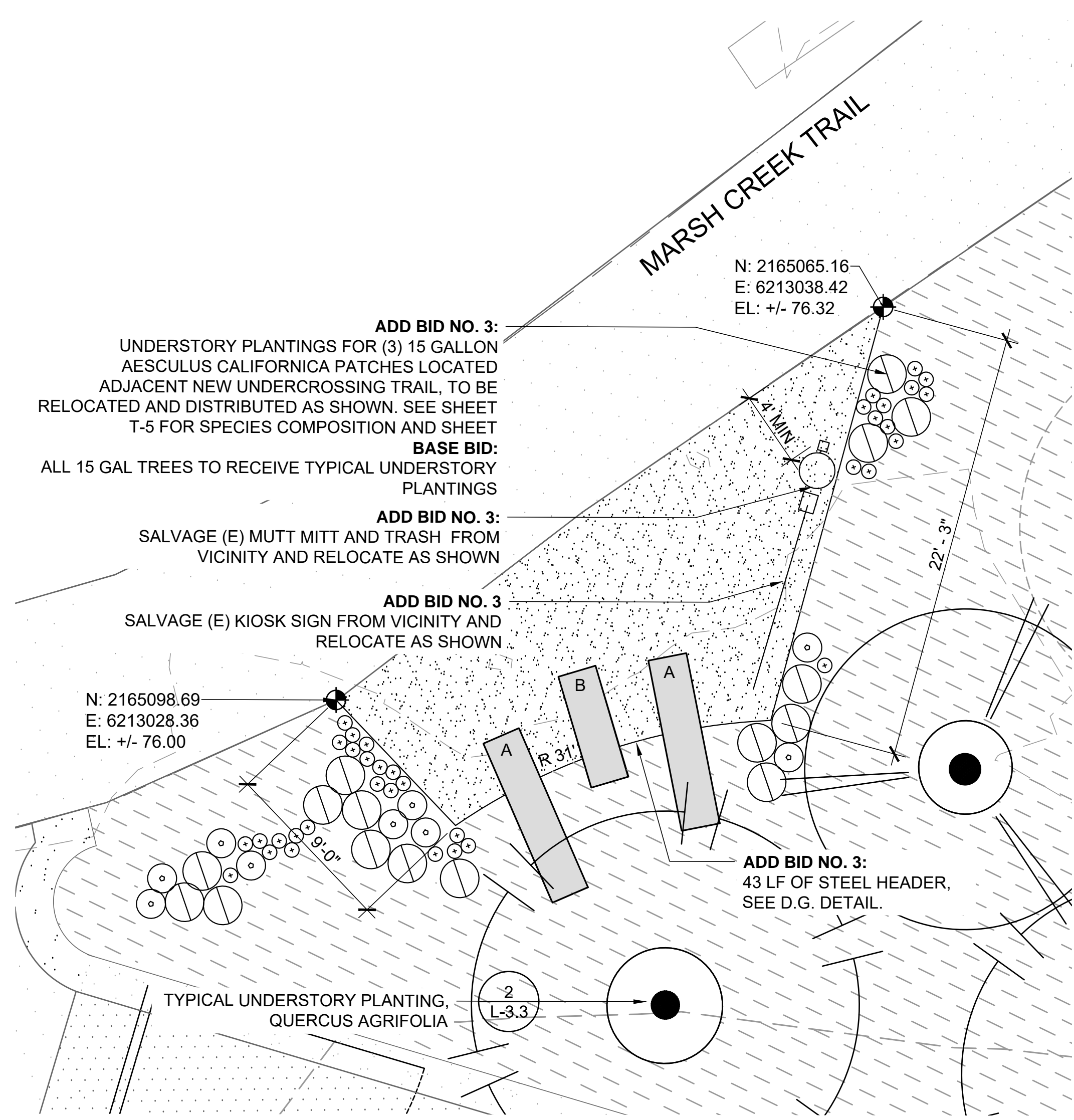
LEGEND

- 850 SF MULCHED AREA, SEE SPECIFICATIONS
- B** LOG BENCH ON GRADE (FREESTANDING) B = 6 FT LONG
- 1T** SITE BOULDER (# DESIGNATES SIZE IN TONS)
- UNDERSTORY PLANTINGS: SEE T-5 FOR PALETTE
 - LARGE
 - MEDIUM
 - SMALL

NOTE
1. LOGS ON GRADE TO FOLLOW CURVE OF PATH



1 SAND CREEK CONFLUENCE (ADD BID NO. 4)
SCALE: 1" = 5'-0"



ADD BID NO. 3:
UNDERSTORY PLANTINGS FOR (3) 15 GALLON AESCULUS CALIFORNICA PATCHES LOCATED ADJACENT NEW UNDERCROSSING TRAIL, TO BE RELOCATED AND DISTRIBUTED AS SHOWN. SEE SHEET T-5 FOR SPECIES COMPOSITION AND SHEET T-5 FOR SPECIES COMPOSITION AND SHEET T-5 FOR SPECIES COMPOSITION
BASE BID:
ALL 15 GAL TREES TO RECEIVE TYPICAL UNDERSTORY PLANTINGS

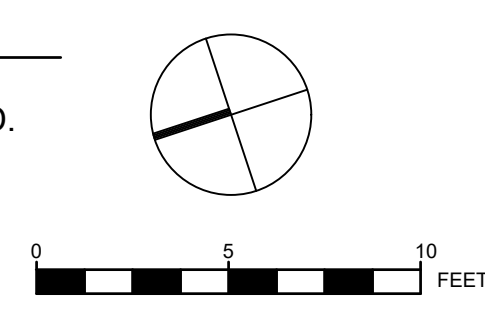
ADD BID NO. 3:
SALVAGE (E) MUTT MITT AND TRASH FROM VICINITY AND RELOCATE AS SHOWN

ADD BID NO. 3:
SALVAGE (E) KIOSK SIGN FROM VICINITY AND RELOCATE AS SHOWN

LEGEND

- 4120 SF **ADD BID NO. 3:** MULCHED AREA: SEE SPECIFICATIONS
- 290 SF **ADD BID NO. 3:** DECOMPOSED GRANITE PAVING
- A** LOG BENCH ON GRADE (FREESTANDING), LAYOUT BY O.R. IN FIELD A = 9 FT LONG, B = 6 FT LONG
- CONTROL POINT
- UNDERSTORY PLANTINGS, SEE T-5 FOR SPECIES
 - LARGE
 - MEDIUM
 - SMALL

NOTE
1. CONTROL POINTS SHALL INTERSECT EDGE OF AC PATH. VERIFY WITH O.R. IN FIELD.
2. BASE BID INCLUDES ALL 15 GAL TREES AT LOCATIONS SHOWN
3. STEEL HEADER SHALL TERMINATE PERPENDICULAR TO FACE OF LOG



2 CENTRAL BRIDGE TRIANGLE
SCALE: 1" = 5'-0"

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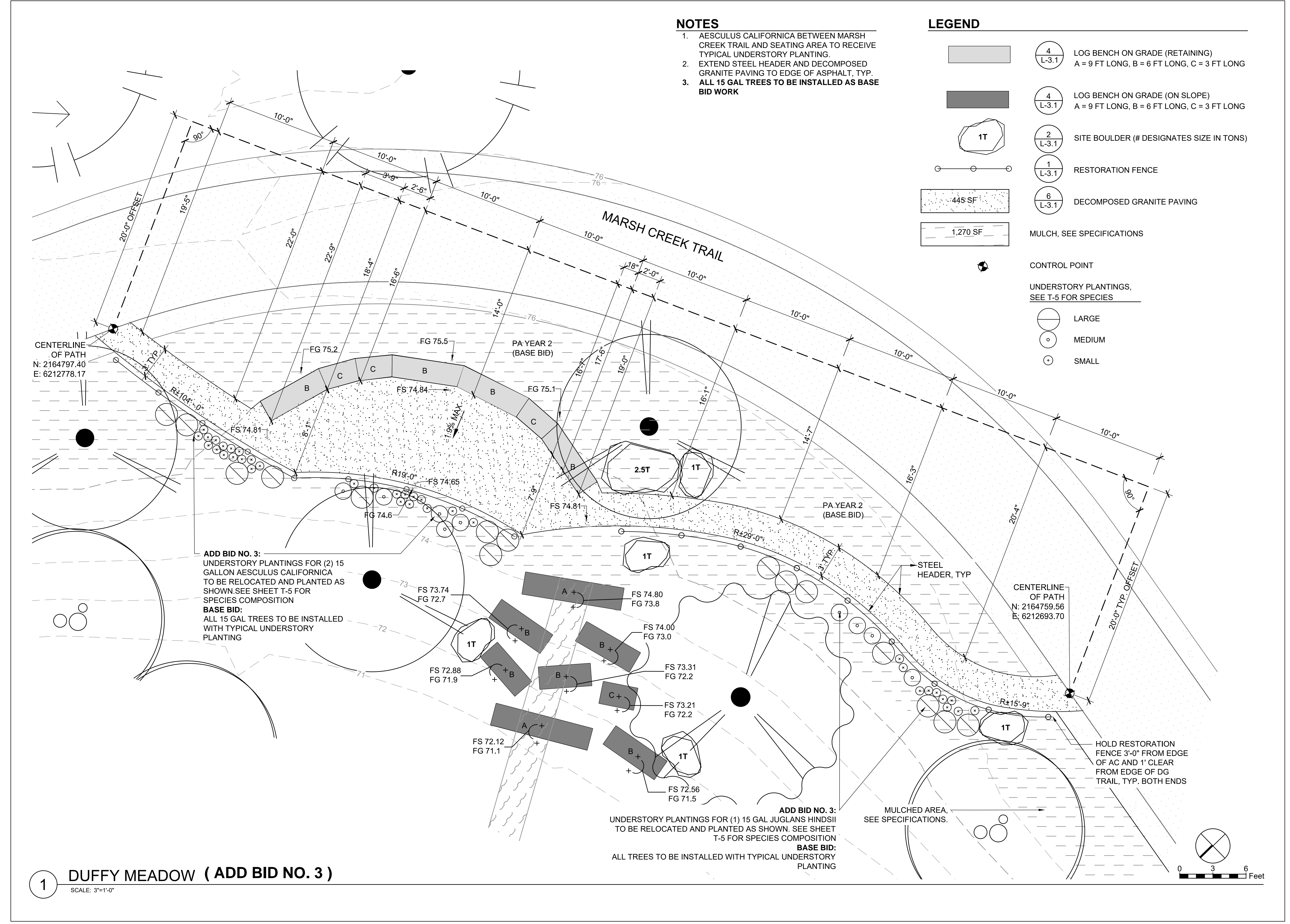
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SHEET
L-2.10

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NOTES

- AESCLUS CALIFORNICA BETWEEN MARSH CREEK TRAIL AND SEATING AREA TO RECEIVE TYPICAL UNDERSTORY PLANTING.
- EXTEND STEEL HEADER AND DECOMPOSED GRANITE PAVING TO EDGE OF ASPHALT, TYP.
- ALL 15 GAL TREES TO BE INSTALLED AS BASE BID WORK

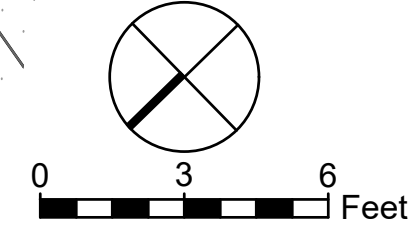
LEGEND

- 445 SF
- 1,270 SF
- 4 L-3.1 LOG BENCH ON GRADE (RETAINING)
A = 9 FT LONG, B = 6 FT LONG, C = 3 FT LONG
- 4 L-3.1 LOG BENCH ON GRADE (ON SLOPE)
A = 9 FT LONG, B = 6 FT LONG, C = 3 FT LONG
- 2 L-3.1 SITE BOULDER (# DESIGNATES SIZE IN TONS)
- 1 L-3.1 RESTORATION FENCE
- 6 L-3.1 DECOMPOSED GRANITE PAVING
- CONTROL POINT
- UNDERSTORY PLANTINGS, SEE T-5 FOR SPECIES**
- LARGE
- MEDIUM
- SMALL

ADD BID NO. 3:
UNDERSTORY PLANTINGS FOR (2) 15 GALLON AESCLUS CALIFORNICA TO BE RELOCATED AND PLANTED AS SHOWN. SEE SHEET T-5 FOR SPECIES COMPOSITION
BASE BID:
ALL 15 GAL TREES TO BE INSTALLED WITH TYPICAL UNDERSTORY PLANTING

ADD BID NO. 3:
UNDERSTORY PLANTINGS FOR (1) 15 GAL JUGLANS HINDSII TO BE RELOCATED AND PLANTED AS SHOWN. SEE SHEET T-5 FOR SPECIES COMPOSITION
BASE BID:
ALL TREES TO BE INSTALLED WITH TYPICAL UNDERSTORY PLANTING

1 DUFFY MEADOW (ADD BID NO. 3)
SCALE: 3"=1'-0"

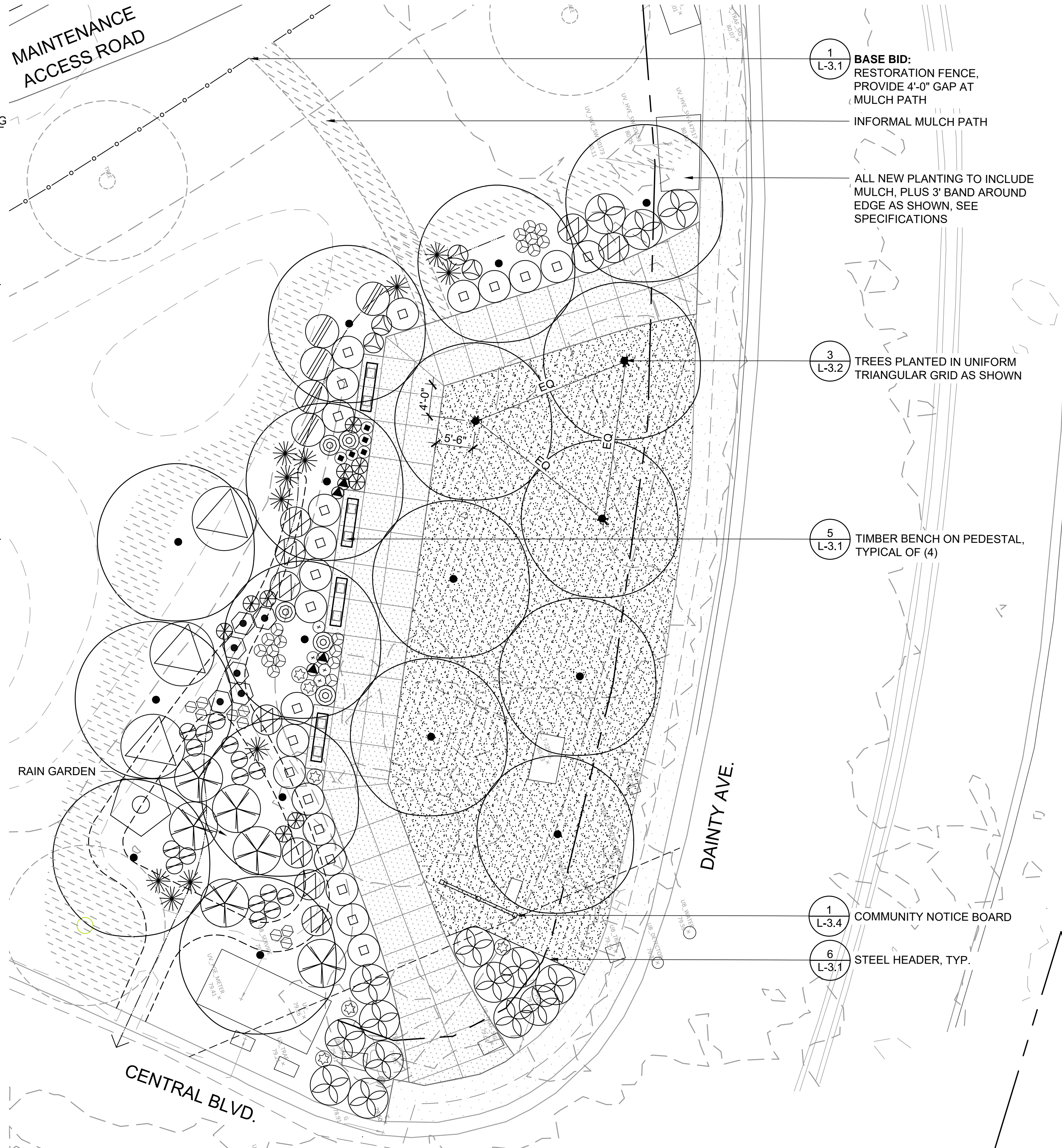


PLANT SCHEDULE - DAINTY TRIANGLE PARK IMPROVEMENTS

SYMBOL	BOTANICAL NAME	COMMON	SIZE	QTY	SPACING
	BACCHARIS PILULARIS	COYOTE BUSH	5 GAL	3	8' O.C.
	BACCHARIS PILULARIS 'PIGEON POINT'	PROSTRATE COYOTE BUSH	1 GAL	22	5' O.C.
	BROMUS CARINATUS	CALIFORNIA BROME GRASS	4" POT	5	1' O.C.
	CAREX BARBARAE	VALLEY SEDGE	1 GAL	11	30" O.C.
	CEANOTHUS GRISEUS HORIZONTALIS 'YANKEE POINT'	CALIFORNIA LILAC	5 GAL	15	5' O.C.
	CHOLOROGALUM POMERIDIANUM	SOAP PLANT	4" POT	4	18" O.C.
	ELYMUS MULTISETUS	BIG SQUIRRELTAIL GRASS	4" POT	9	18" O.C.
	ERIOGONUM NUDUM	NUDE BUCKWHEAT	4" POT	4	1' O.C.
	ESCHSCHOLTZIA CALIFORNICA	CALIFORNIA POPPY	4" POT	6	1' O.C.
	GRINDELIA CAMPORUM	GREAT VALLEY GUMWEED	1 GAL	4	30" O.C.
	JUNCUS PATENS	COMMON RUSH	4" POT	16	2' O.C.
	LUPINUS ALBIFRONS	SILVER BUSH LUPINE	1 GAL	5	4' O.C.
	LUPINUS SUCCULENTUS	SUCCULENT LUPINE	4" POT	5	18" O.C.
	MELICA CALIFORNICA	CALIFORNIA MELICGRASS	4" POT	9	18" O.C.
	MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	1 GAL	6	3' O.C.
	ROSA CALIFORNICA	CALIFORNIA WILD ROSE	1 GAL	9	6' O.C.
	SALVIA MELLIFERA	BLACK SAGE	1 GAL	9	6' O.C.
	STIPA PULCHRA	NEEDLE GRASS	4" POT	19	2' O.C.
	GEIJERA PARVIFOLIA	AUSTRALIAN WILLOW	15 GAL	17	20' O.C.

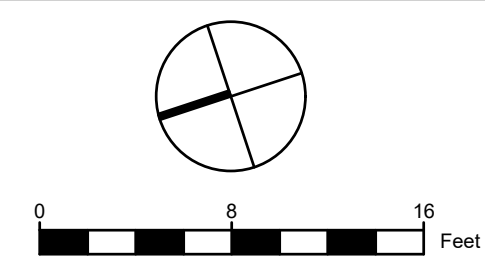
LEGEND

- 2,238 SF DECOMPOSED GRANITE PAVING
- 1,047 SF MULCH, SEE SPECIFICATIONS



1 DAINTY TRIANGLE PARK (ADD BID NO. 5)
SCALE: 1/8" = 1'-0"

- 1 L-3.1** BASE BID: RESTORATION FENCE, PROVIDE 4'-0" GAP AT MULCH PATH
- INFORMAL MULCH PATH
- ALL NEW PLANTING TO INCLUDE MULCH, PLUS 3' BAND AROUND EDGE AS SHOWN, SEE SPECIFICATIONS
- 3 L-3.2** TREES PLANTED IN UNIFORM TRIANGULAR GRID AS SHOWN
- 5 L-3.1** TIMBER BENCH ON PEDESTAL, TYPICAL OF (4)
- 1 L-3.4** COMMUNITY NOTICE BOARD
- 6 L-3.1** STEEL HEADER, TYP.



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ENLARGEMENTS

SHEET
L-2.11

YEAR 2 PATCH SCHEDULES CONTINUED

PATCH TYPE U: CALIFORNIA ROSE BRIARS

	2U 1 California rose briars	2U 2 California rose briars	2U 3 California rose briars	2U 4 California rose briars	2U 5 California rose briars	2U 6 California rose briars	2U 7 California rose briars	2U 8 California rose briars	2U 9 California rose briars	2U 10 California rose briars	TOTAL
AREA (SF)	308	257	281	356	546	401	190	226	213	229	
TREES											
Sambucus nigra ssp. caerulea	1	1	1	1	2	1	1	1	1	1	11
LARGE SHRUBS											
Rhamnus ilicifolia	2	2	2	3	4	3	1	2	2	2	23
MEDIUM SHRUBS											
Artemisia californica	4	3	4	5	7	5	2	3	3	3	39
Rosa californica	22	18	20	25	39	29	14	16	15	16	214
Salvia mellifera	8	7	7	9	14	10	5	6	5	6	77
SMALL GRASSES / FORBS											
Bromus carinatus	26	22	24	30	47	34	16	19	18	20	256
Elymus glaucus	43	36	39	49	76	56	26	31	29	32	417
Elymus triticoides	20	16	18	23	35	26	12	14	14	15	193
Eschscholtzia californica	33	27	30	38	58	43	20	24	23	24	320
Total Plants:	159	132	145	183	282	207	97	116	110	119	

PATCH TYPE N: NEEDLEGRASS PRAIRIE

	2N 1 Needlegrass prairie	2N 2 Needlegrass prairie	2N 3 Needlegrass prairie	2N 4 Needlegrass prairie	2N 5 Needlegrass prairie	2N 6 Needlegrass prairie	2N 7 Needlegrass prairie	2N 8 Needlegrass prairie	2N 9 Needlegrass prairie	2N 10 Needlegrass prairie	TOTAL
AREA (SF)	262	611	730	289	338	306	687	731	406	406	
MEDIUM SHRUBS											
Grindelia camporum	7	16	19	7	9	8	18	19	10	10	123
Lupinus albifrons	4	9	11	4	5	5	11	11	6	6	72
SMALL GRASSES / FORBS											
Bromus carinatus	33	78	93	37	43	39	88	93	52	52	608
Chlorogalum pomeridianum	8	20	23	9	11	10	22	23	13	13	152
Elymus multisetus	22	52	62	25	29	26	59	62	35	35	407
Eriogonum nudum	22	52	62	25	29	26	59	62	35	35	407
Eschscholtzia californica	14	33	39	15	18	16	37	39	22	22	255
Melica californica	56	130	155	62	72	65	146	156	86	86	1014
Stipa pulchra	67	156	187	74	86	78	176	187	104	104	1219
Total Plants:	233	546	651	258	302	273	616	652	363	363	

PATCH TYPE L: LUPINE SCRUB

	2L 1 Lupine Scrub	2L 2 Lupine Scrub	2L 3 Lupine Scrub	2L 4 Lupine Scrub	2L 5 Lupine Scrub	2L 6 Lupine Scrub	2L 7 Lupine Scrub	2L 8 Lupine Scrub	2L 9 Lupine Scrub	2L 10 Lupine Scrub	2L 11 Lupine Scrub	2L 12 Lupine Scrub	2L 13 Lupine Scrub	2L 14 Lupine Scrub	TOTAL
AREA (SF)	850	352	616	227	280	381	679	643	477	1161	463	399	379	547	
MEDIUM SHRUBS															
Artemisia californica	11	4	8	3	4	5	9	8	6	15	6	5	5	7	96
Grindelia camporum	22	9	16	6	7	10	17	16	12	30	12	10	10	14	191
Lupinus albifrons	43	18	31	12	14	19	35	33	24	59	24	20	19	28	379
SMALL GRASSES / FORBS															
Chlorogalum pomeridianum	18	7	13	5	6	8	14	14	10	25	10	8	8	12	158
Eriogonum nudum	72	30	52	19	24	32	58	55	41	99	39	34	32	47	634
Eschscholtzia californica	72	30	52	19	24	32	58	55	41	99	39	34	32	47	634
Lupinus succulentus	154	64	112	41	51	69	123	116	86	210	84	72	69	99	1350
Solidago velutina ssp. californica	45	19	33	12	15	20	36	34	25	62	25	21	20	29	396
Stipa cernua	136	56	98	36	45	61	108	103	76	185	74	64	61	87	1190
Stipa pulchra	91	37	66	24	30	41	72	68	51	124	49	42	40	58	793
Total Plants:	664	274	481	177	220	297	530	502	372	908	362	310	296	428	

PATCH TYPE G: TORREY'S MELLIC STANDS

	2G 1 Torrey's melic stands	2G 2 Torrey's melic stands	2G 3 Torrey's melic stands	2G 4 Torrey's melic stands	TOTAL
AREA (SF)	793	220	307	492	
SMALL GRASSES / FORBS					
Bromus carinatus	177	49	69	110	405
Melica torreyana	312	87	121	194	714
Solidago velutina ssp. californica	355	98	137	220	810
Total Plants:	844	234	327	524	

PATCH TYPE B: BACCHARIS - ARTEMISIA COASTAL SCRUB

	2B 1 Baccharis-Artemisia Coastal Scrub	2B 2 Baccharis-Artemisia Coastal Scrub	2B 3 Baccharis-Artemisia Coastal Scrub	2B 4 Baccharis-Artemisia Coastal Scrub	2B 5 Baccharis-Artemisia Coastal Scrub	2B 6 Baccharis-Artemisia Coastal Scrub	2B 7 Baccharis-Artemisia Coastal Scrub	TOTAL
AREA (SF)	337	358	279	517	261	331	457	
LARGE SHRUBS								
Baccharis pilularis	15	16	12	22	11	14	20	110
Frangula californica	9	9	7	13	7	9	12	66
Heteromeles arbutifolia	3	4	3	5	3	3	5	26
Rhamnus ilicifolia	1	2	1	2	1	1	2	10
MEDIUM SHRUBS								
Artemisia californica	15	16	13	24	12	15	21	116
Mimulus aurantiacus	10	11	9	16	8	10	14	78
SMALL GRASSES / FORBS								
Elymus glaucus	11	11	9	17	8	11	15	82
Scrophularia californica	11	11	9	17	8	11	15	82
Stipa lepida	14	15	12	22	11	14	19	107
Stipa pulchra	7	8	6	11	6	7	10	55
Total Plants:	96	103	81	149	75	95	133	

PATCH TYPE S: SEDGE AND RUSH STANDS

	2S 1 Sedge and Rush stands	2S 2 Sedge and Rush stands	TOTAL
AREA (SF)	362	1164	
SMALL GRASSES / FORBS			
Carex barbarae	37	124	161
Juncus balticus	112	372	484
Juncus patens	112	372	484
Mimulus guttatus	7	25	32
Scrophularia californica	7	25	32
Total Plants:	275	918	

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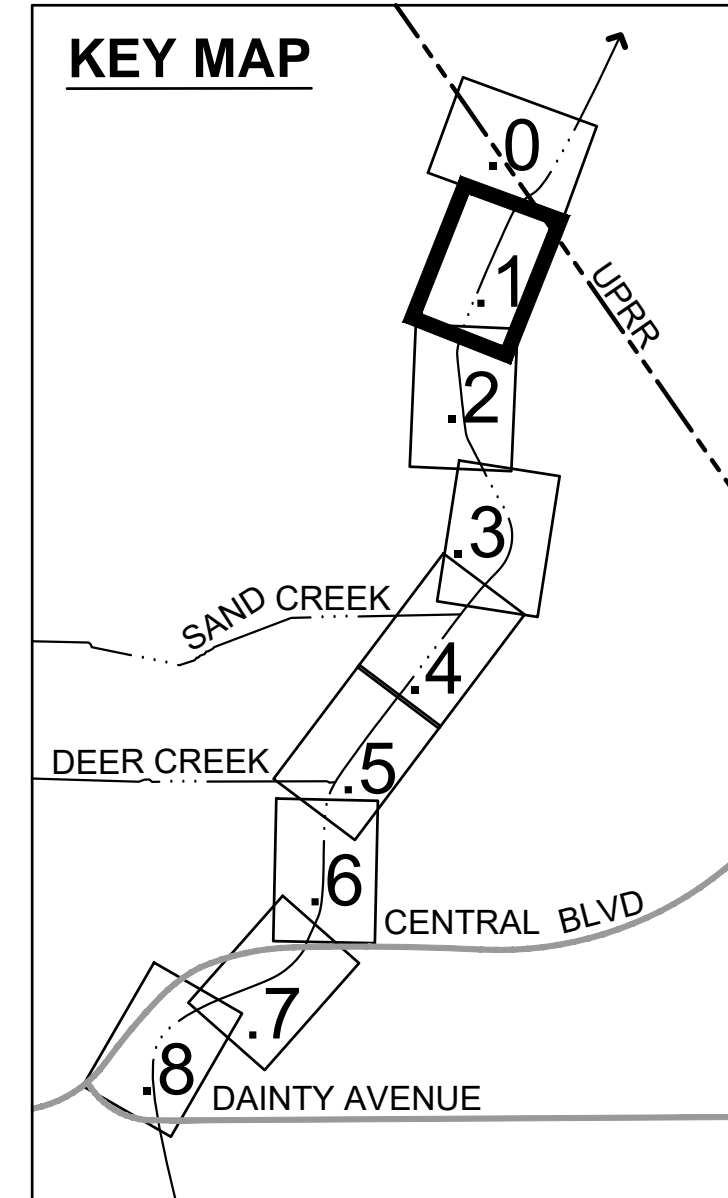
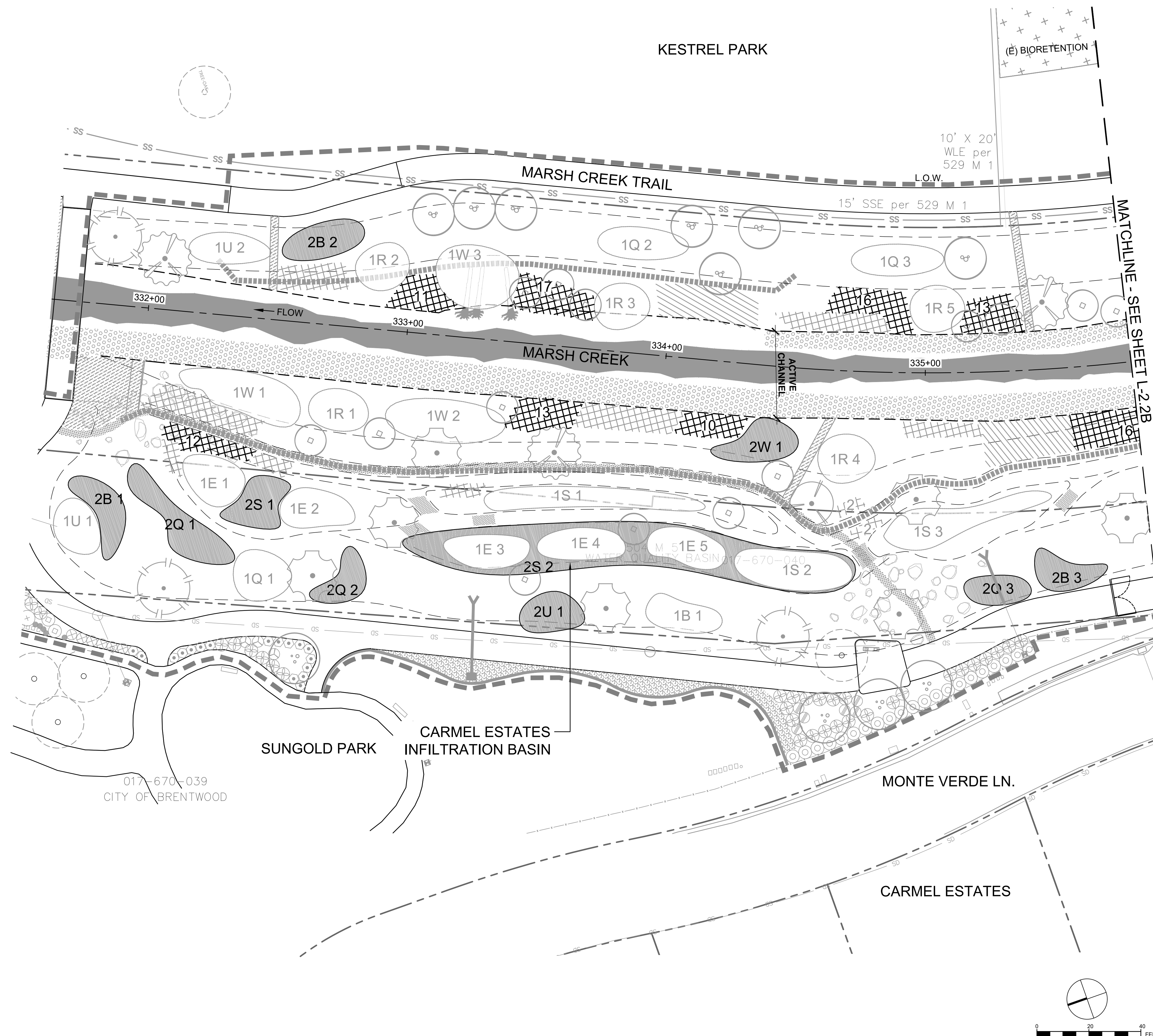
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RESTORATION PLANTING Y2

SHEET

T-7 BID ALT. 7



- LIVE CUTTINGS**
- COTTONWOOD SHORT POLES (# = POLES PER PATCH) 5
L-3.2
- SEE T-3 THROUGH T-9 FOR INDIVIDUAL PATCH COMPOSITION
- PATCH CODES** 3
L-3.3
- 2Q12** — YEAR (1,2,3)
- 2Q12** — NUMBER
- TYPE (LIVE OAK RIPARIAN, ETC)
- ACCESS CORRIDORS**
- PERSONNEL / VEHICULAR ACCESS AREAS
- YEAR 1 (EXISTING)**
- 15 GAL TREE PATCH
 - 5 GAL TREE
 - WILLOW CLUSTER
 - COTTONWOOD SHORT POLES
 - COTTONWOOD LONG POLE
 - PATCH

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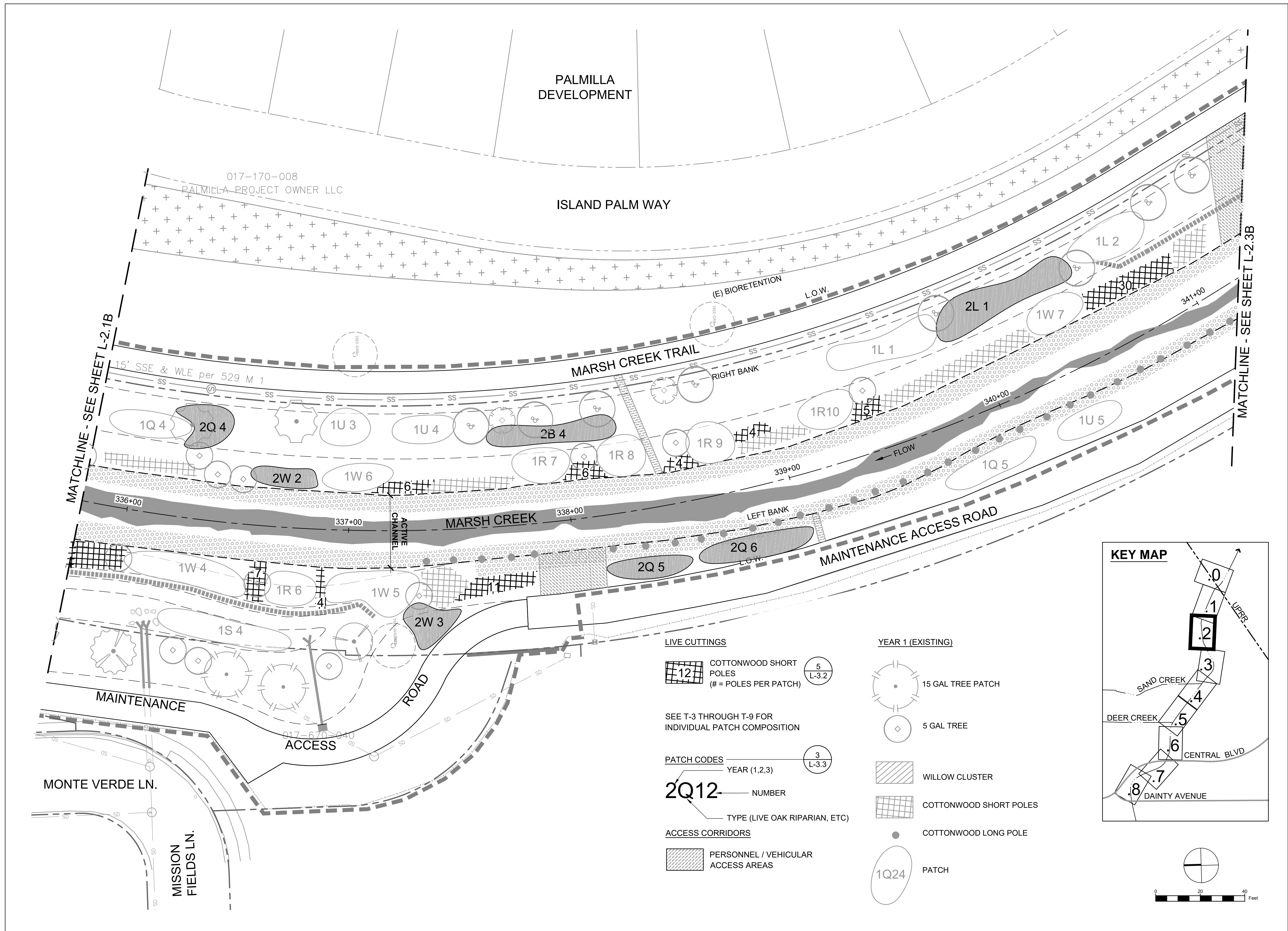
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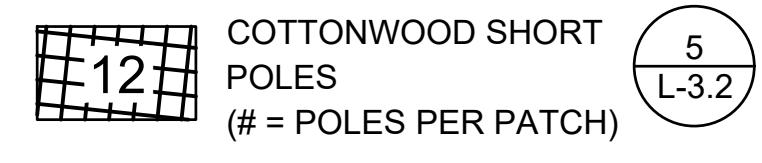
REVEG - Y2

SHEET
L-2.1B
BID ALT. 7

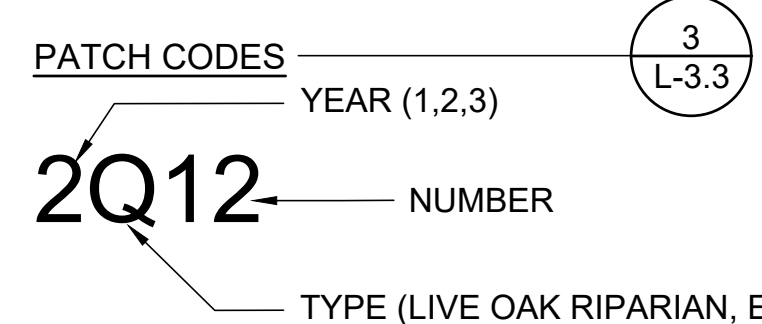
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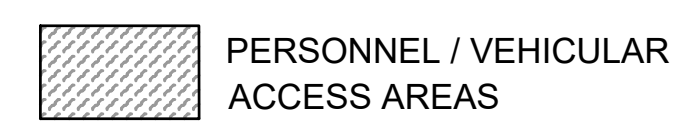
LIVE CUTTINGS



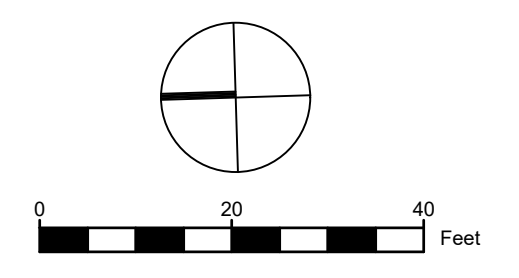
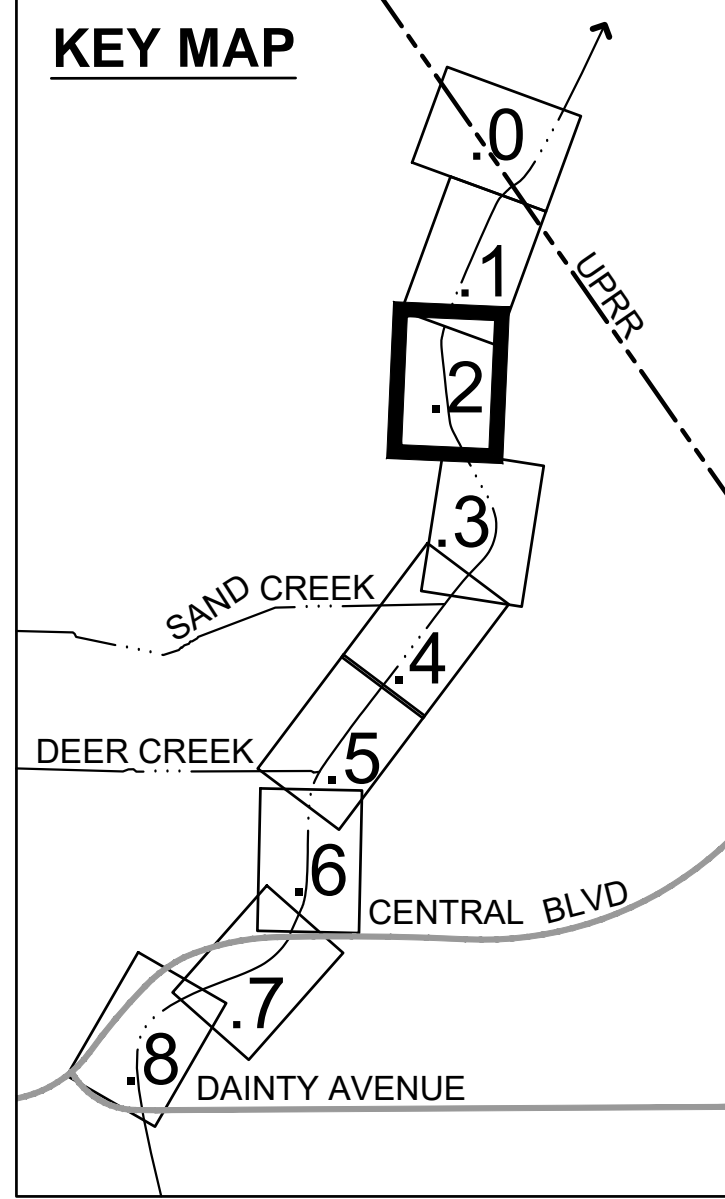
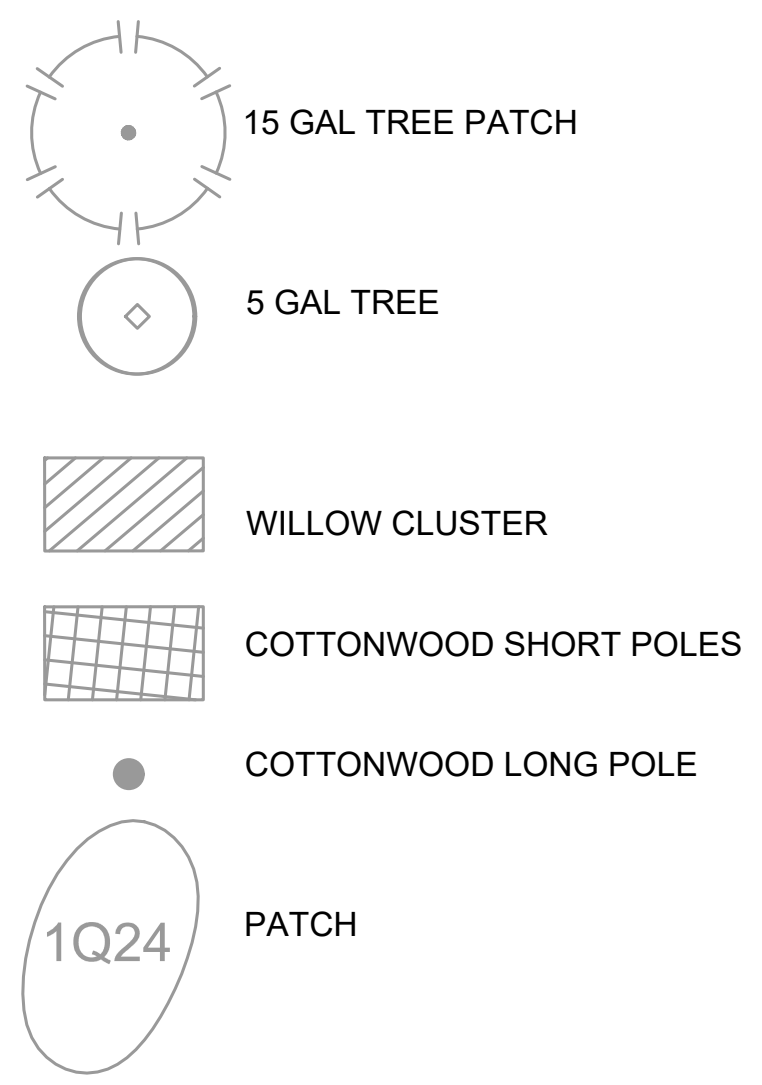
SEE T-3 THROUGH T-9 FOR INDIVIDUAL PATCH COMPOSITION



ACCESS CORRIDORS

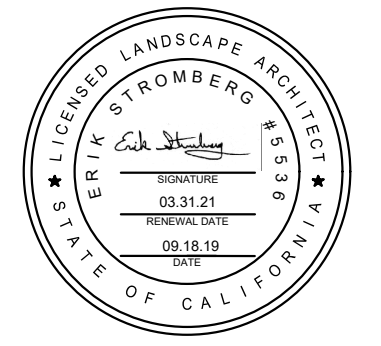


YEAR 1 (EXISTING)



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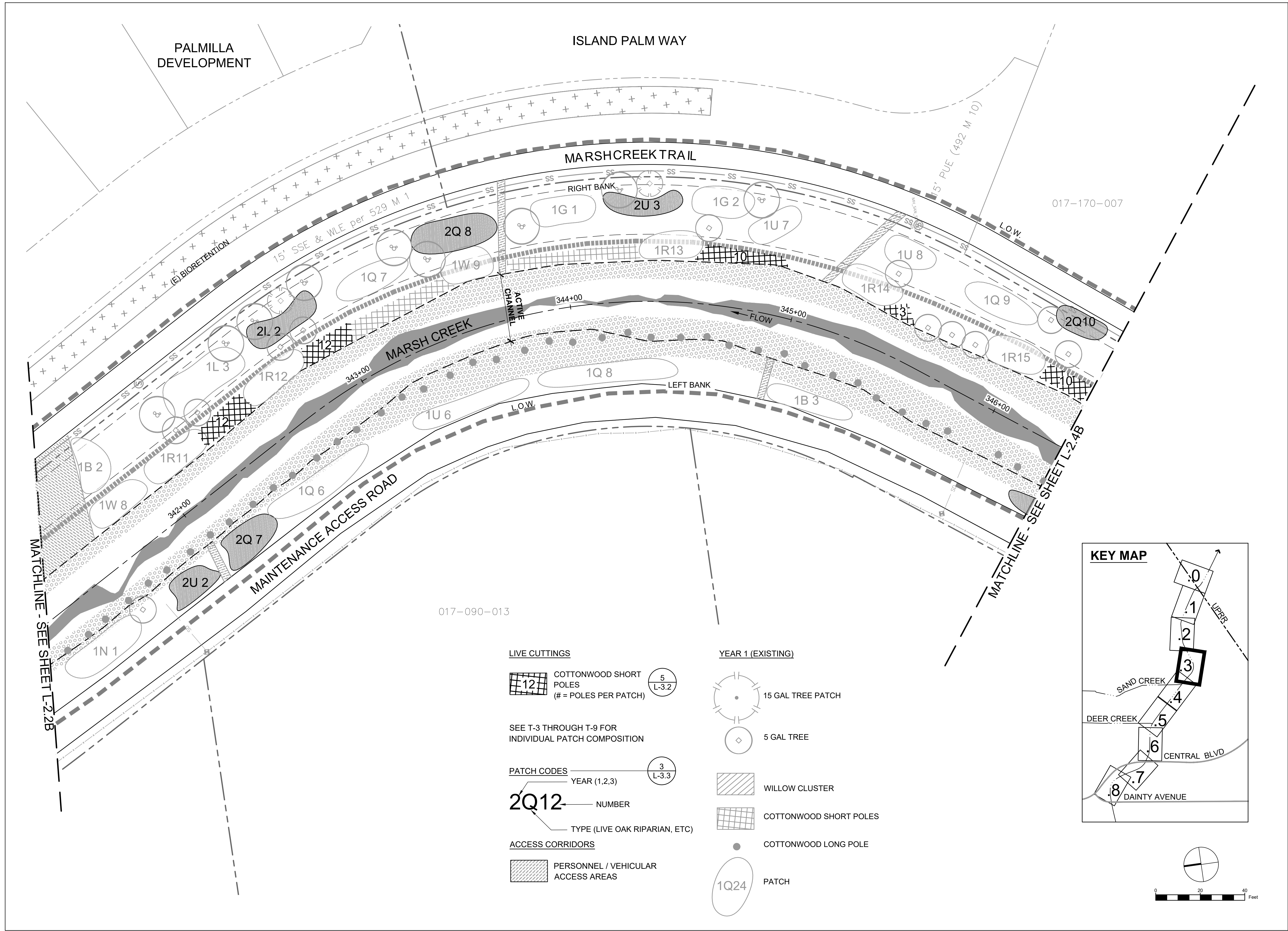
DATE MAY 22, 2020

REVEG - Y2

SHEET

L-2.2B
BID ALT. 7

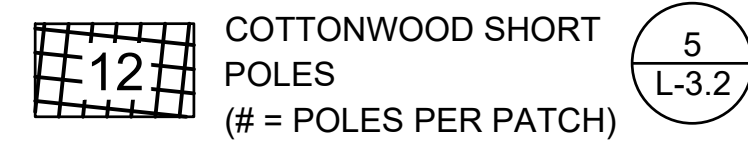
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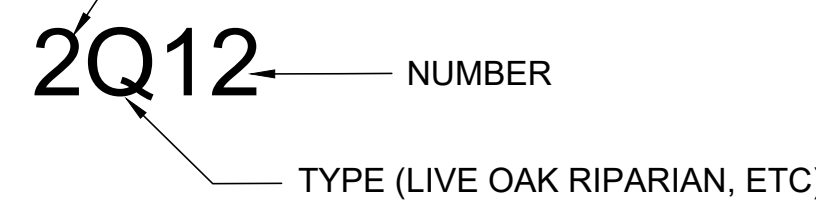
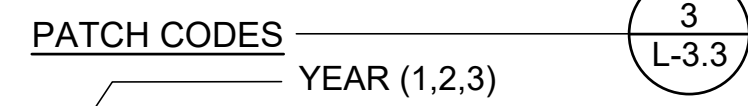
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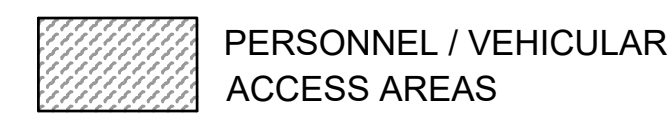
LIVE CUTTINGS



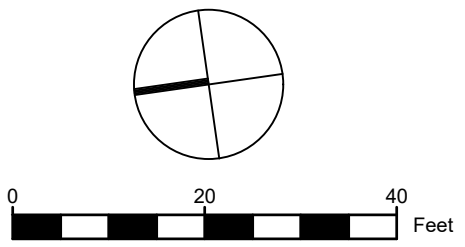
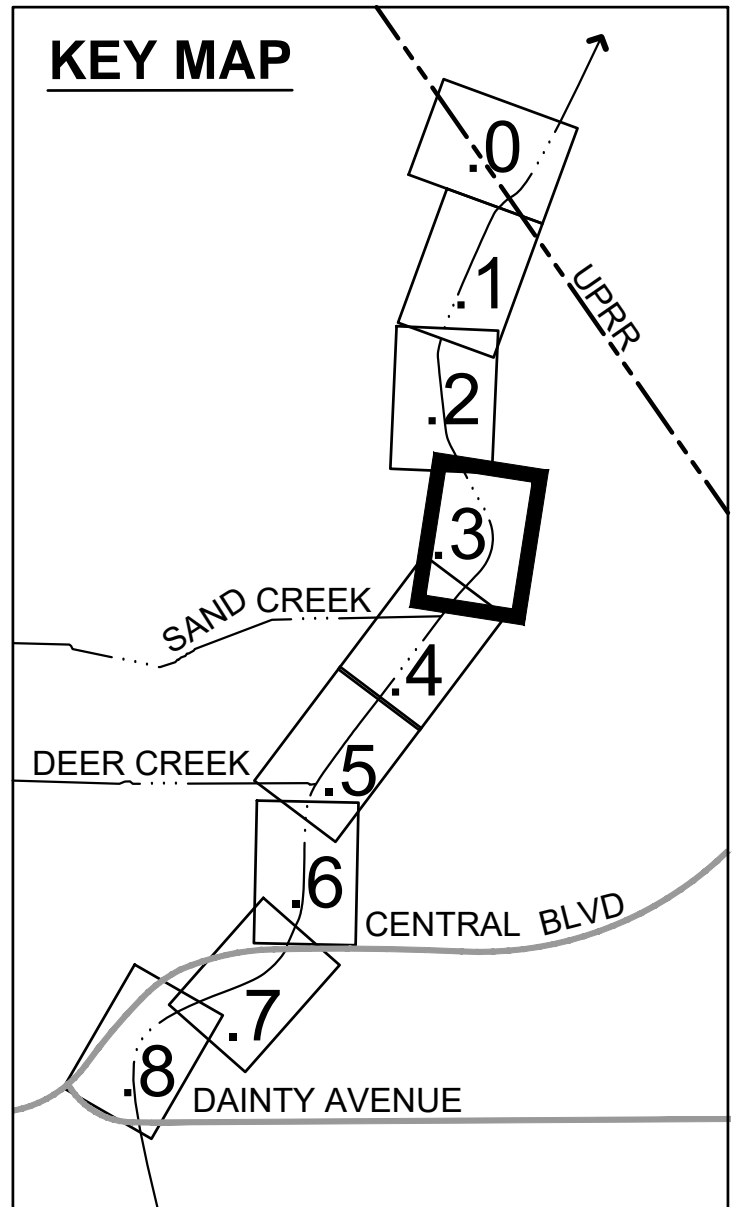
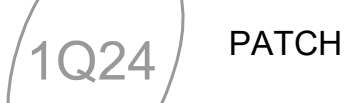
SEE T-3 THROUGH T-9 FOR INDIVIDUAL PATCH COMPOSITION



ACCESS CORRIDORS



YEAR 1 (EXISTING)



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THREE CREEKS PARKWAY RESTORATION PROJECT LANDSCAPE SET



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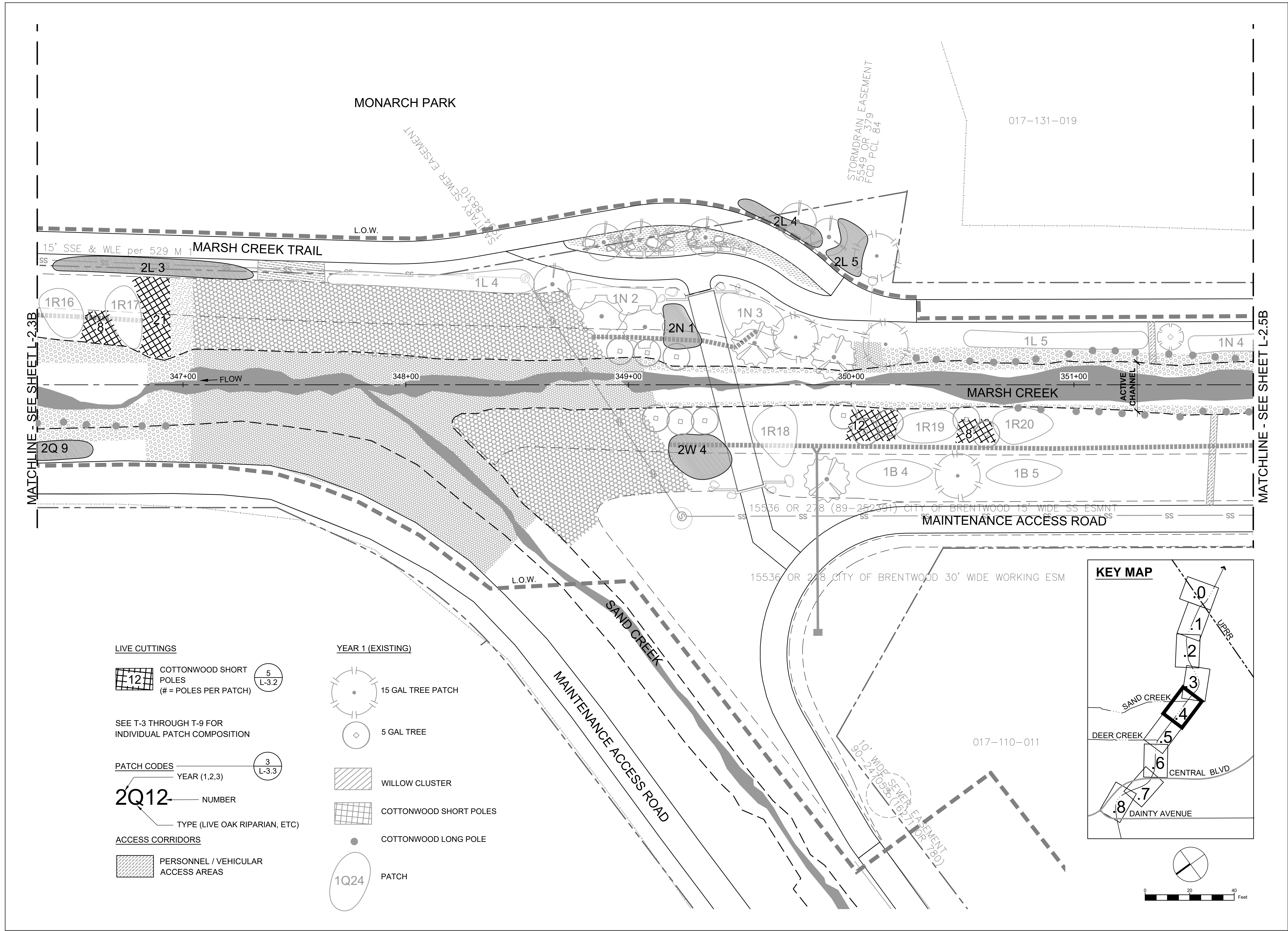
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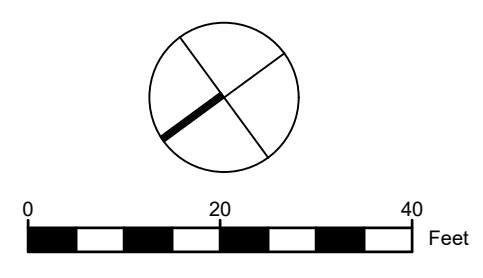
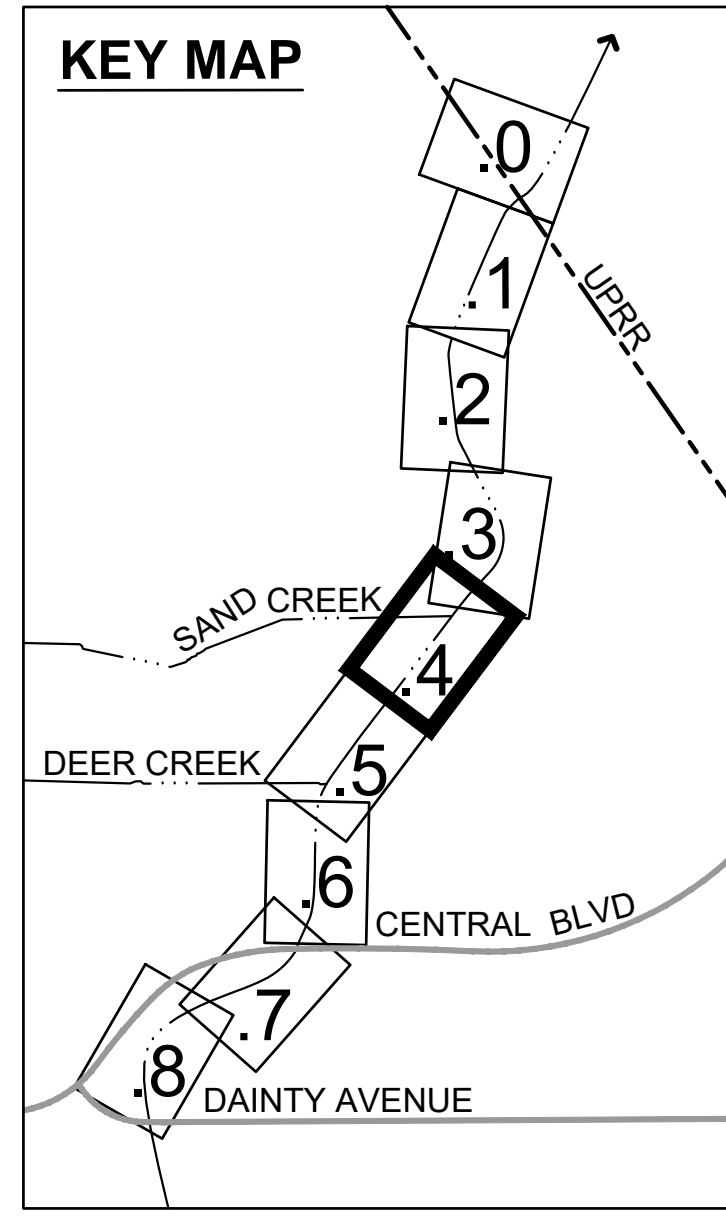
SHEET

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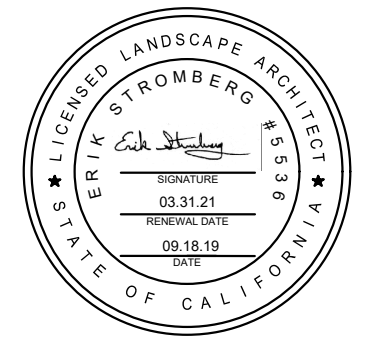


- LIVE CUTTINGS**
- COTTONWOOD SHORT POLES (# = POLES PER PATCH) 5 L-3.2
 - 3 L-3.3
- SEE T-3 THROUGH T-9 FOR INDIVIDUAL PATCH COMPOSITION
- PATCH CODES**
- 2Q12** — YEAR (1,2,3) — NUMBER — TYPE (LIVE OAK RIPARIAN, ETC)
- ACCESS CORRIDORS**
- PERSONNEL / VEHICULAR ACCESS AREAS
- YEAR 1 (EXISTING)**
- 15 GAL TREE PATCH
 - 5 GAL TREE
 - WILLOW CLUSTER
 - COTTONWOOD SHORT POLES
 - COTTONWOOD LONG POLE
 - PATCH



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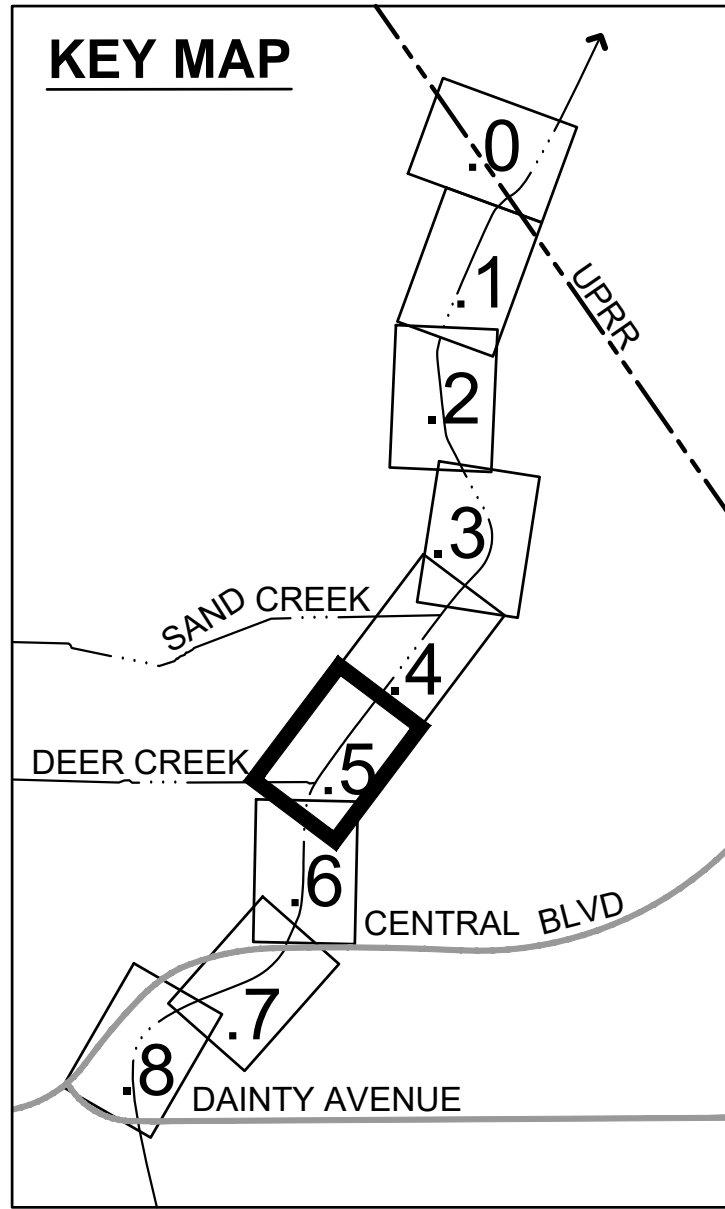
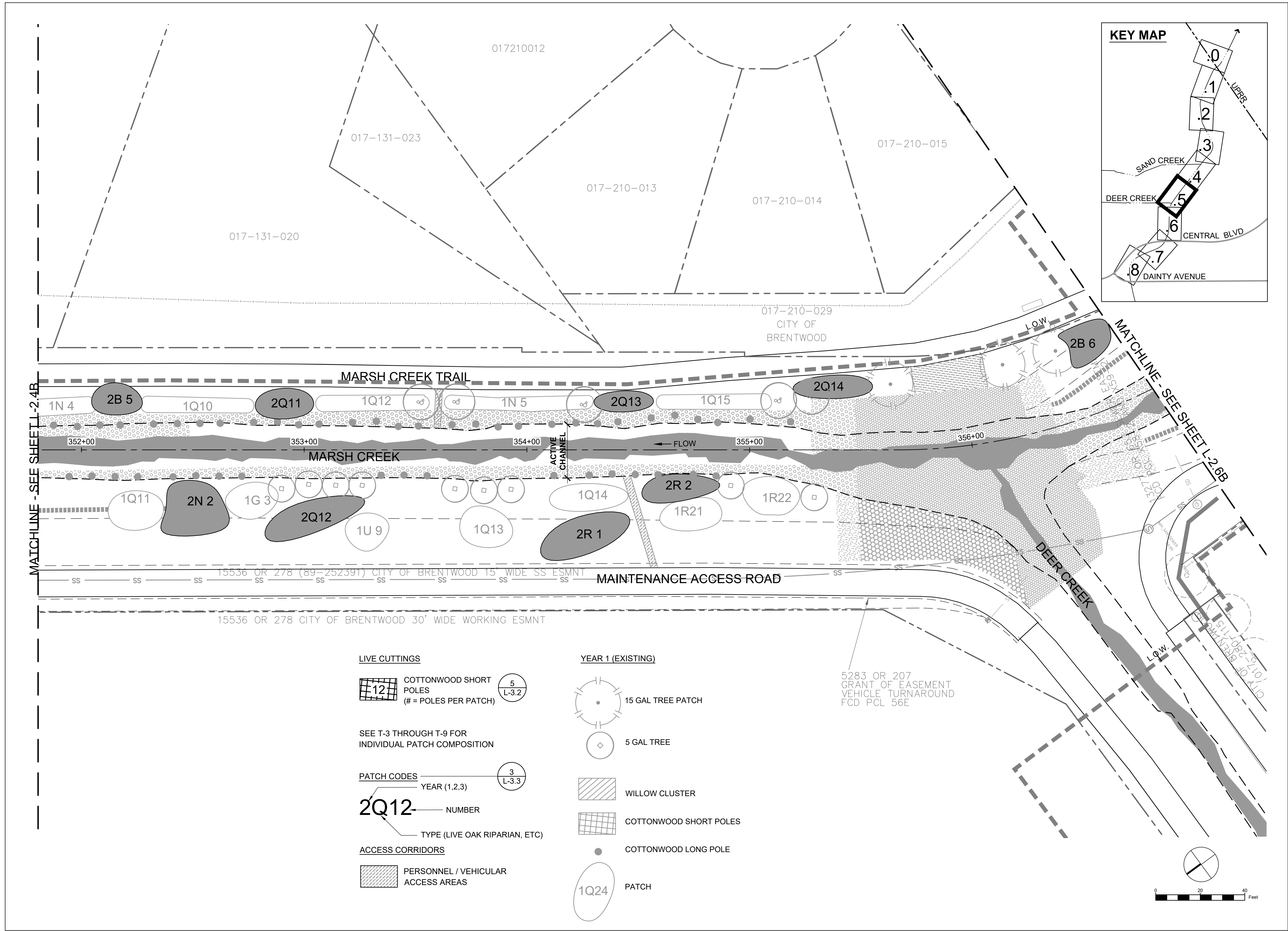
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REVEG - Y2

SHEET
L-2.4B
BID ALT. 7

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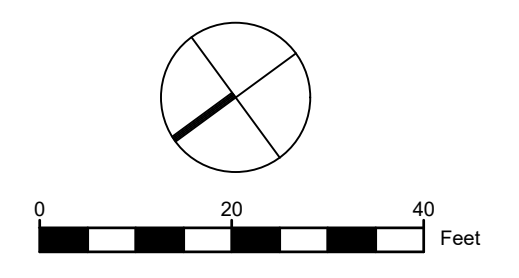


MATCHLINE - SEE SHEET L-2.4B

MATCHLINE - SEE SHEET L-2.6B

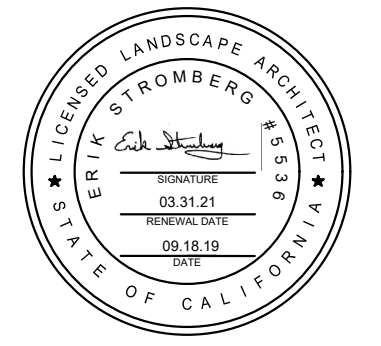
- LIVE CUTTINGS**
- COTTONWOOD SHORT POLES (# = POLES PER PATCH) 5 L-3.2
 - SEE T-3 THROUGH T-9 FOR INDIVIDUAL PATCH COMPOSITION
 - PATCH CODES** 3 L-3.3
 - YEAR (1,2,3)
 - 2Q12** - NUMBER
 - TYPE (LIVE OAK RIPARIAN, ETC)
 - ACCESS CORRIDORS**
 - PERSONNEL / VEHICULAR ACCESS AREAS
- YEAR 1 (EXISTING)**
- 15 GAL TREE PATCH
 - 5 GAL TREE
 - WILLOW CLUSTER
 - COTTONWOOD SHORT POLES
 - COTTONWOOD LONG POLE
 - PATCH

5283 OR 207 GRANT OF EASEMENT VEHICLE TURNAROUND FCD PCL 56E



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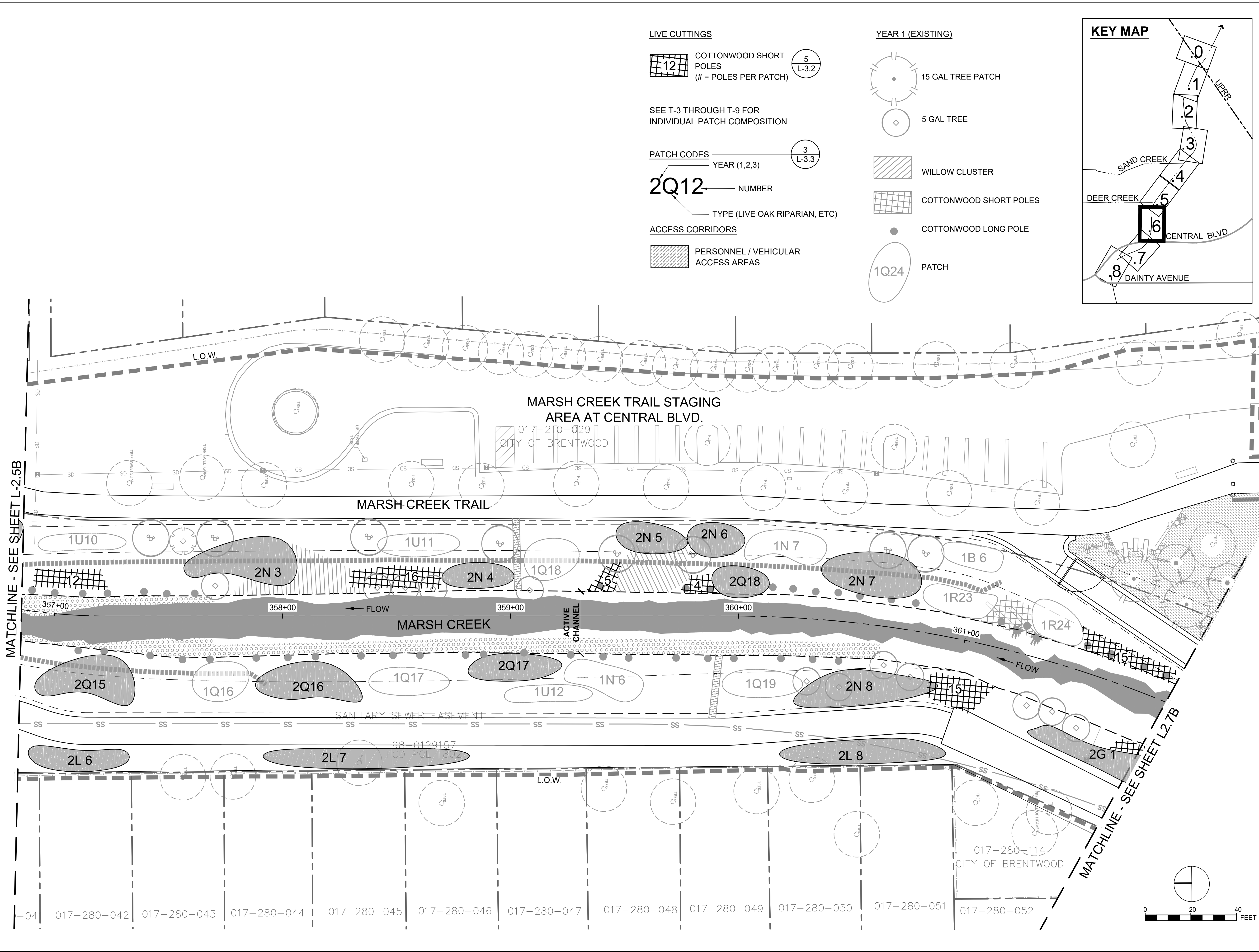
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REVEG - Y2

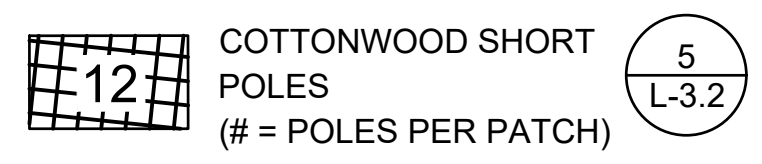
SHEET

L-2.5B BID ALT. 7

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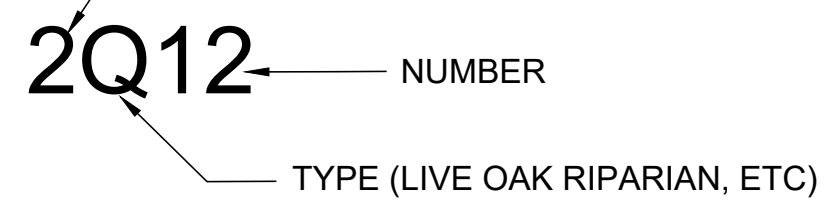


LIVE CUTTINGS

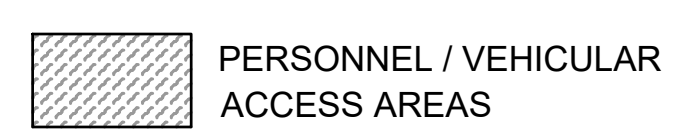


SEE T-3 THROUGH T-9 FOR INDIVIDUAL PATCH COMPOSITION

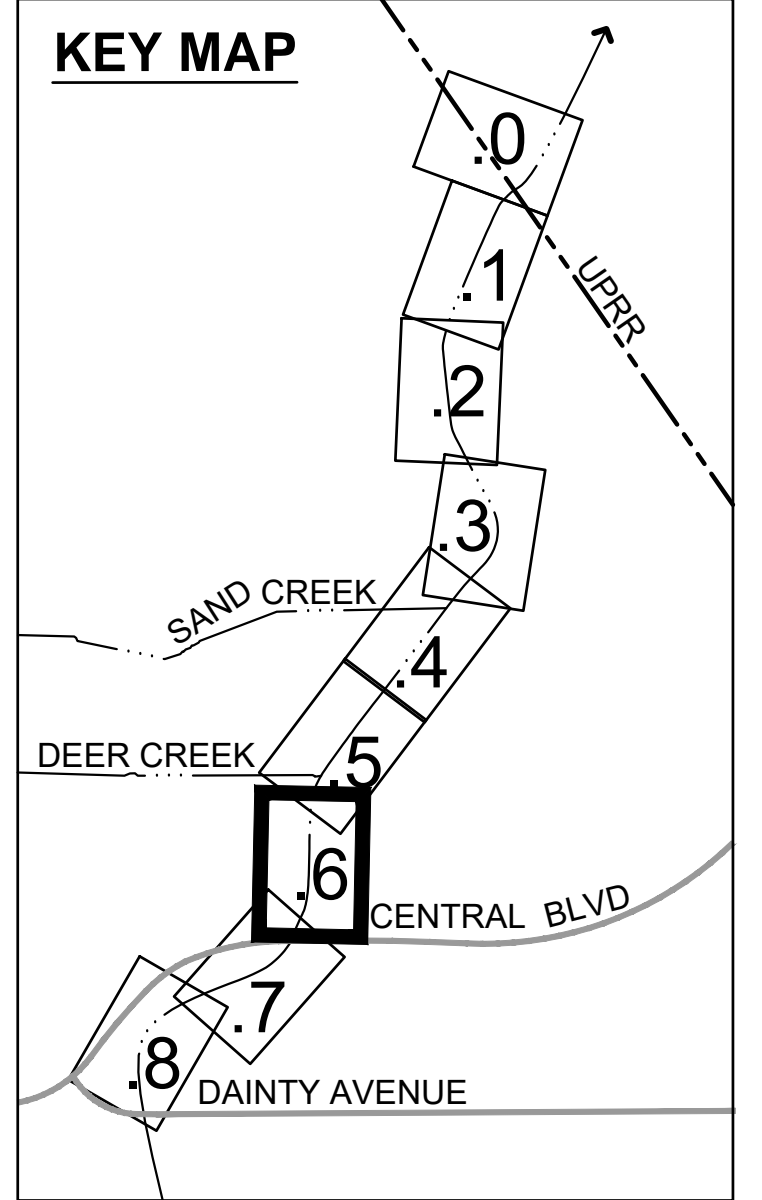
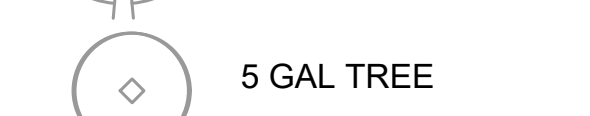
PATCH CODES



ACCESS CORRIDORS



YEAR 1 (EXISTING)



MATCHLINE - SEE SHEET L-2.5B

MATCHLINE - SEE SHEET L2.7B

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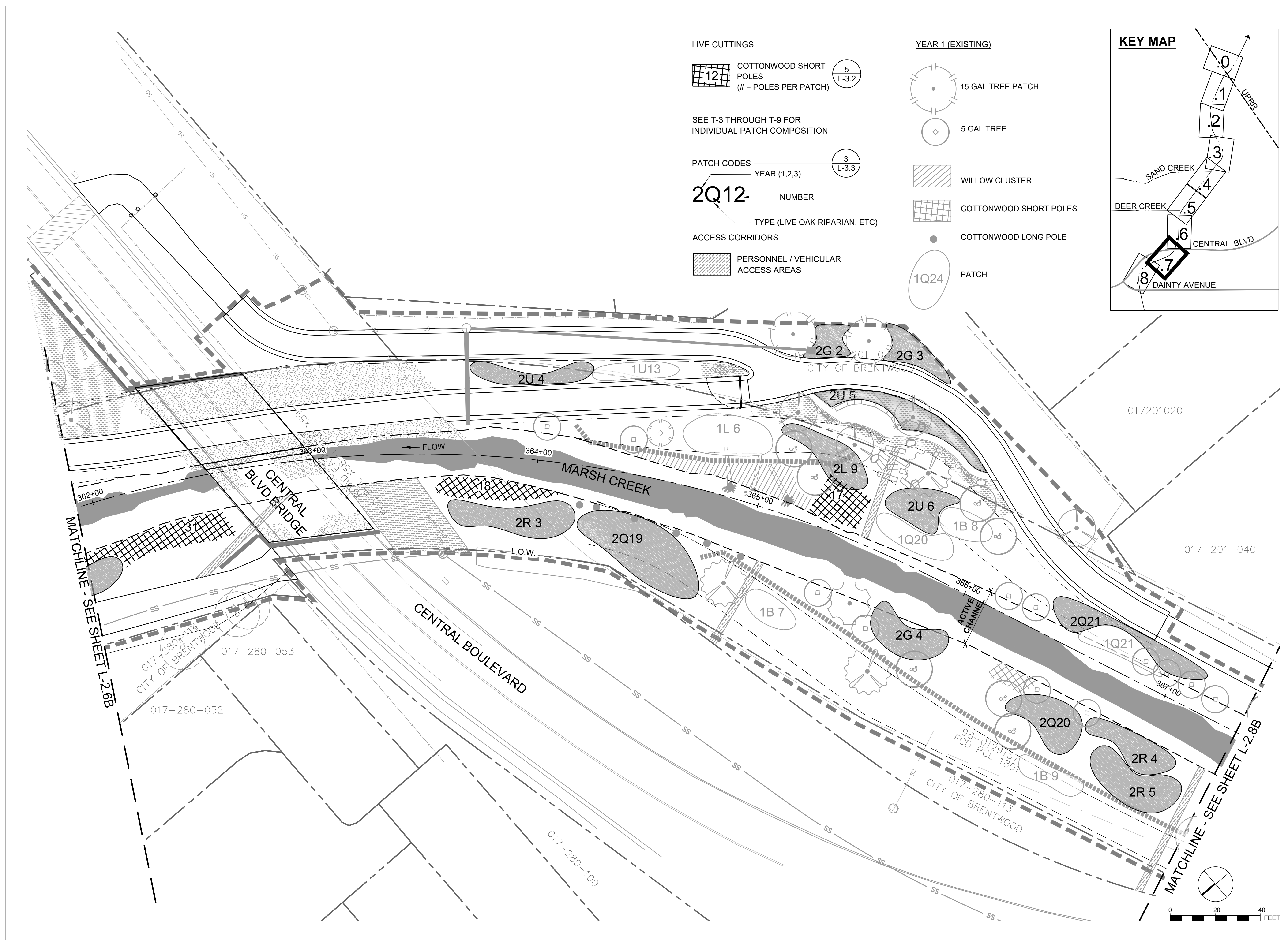
REVEG - Y2

SHEET

L-2.6B

BID ALT. 7

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LIVE CUTTINGS

COTTONWOOD SHORT POLES (# = POLES PER PATCH)

12

5
L-3.2

SEE T-3 THROUGH T-9 FOR INDIVIDUAL PATCH COMPOSITION

PATCH CODES

YEAR (1,2,3)

3
L-3.3

2Q12 — NUMBER

— TYPE (LIVE OAK RIPARIAN, ETC)

ACCESS CORRIDORS

PERSONNEL / VEHICULAR ACCESS AREAS

YEAR 1 (EXISTING)

15 GAL TREE PATCH

5 GAL TREE

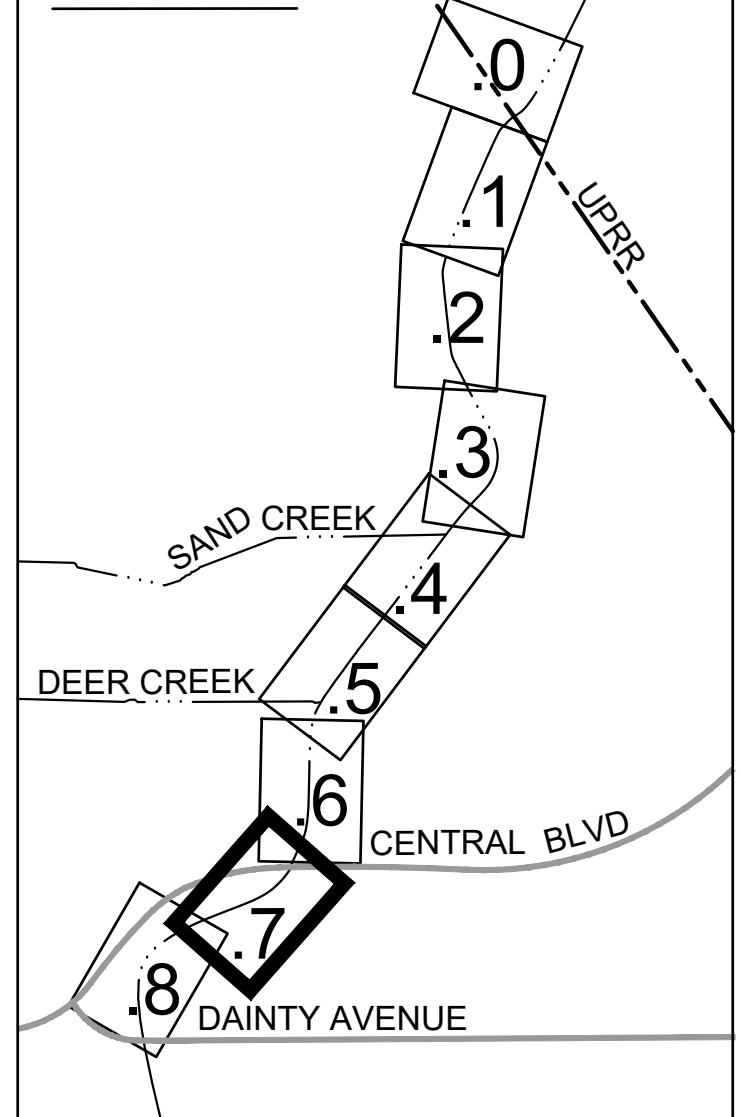
WILLOW CLUSTER

COTTONWOOD SHORT POLES

COTTONWOOD LONG POLE

1Q24 PATCH

KEY MAP



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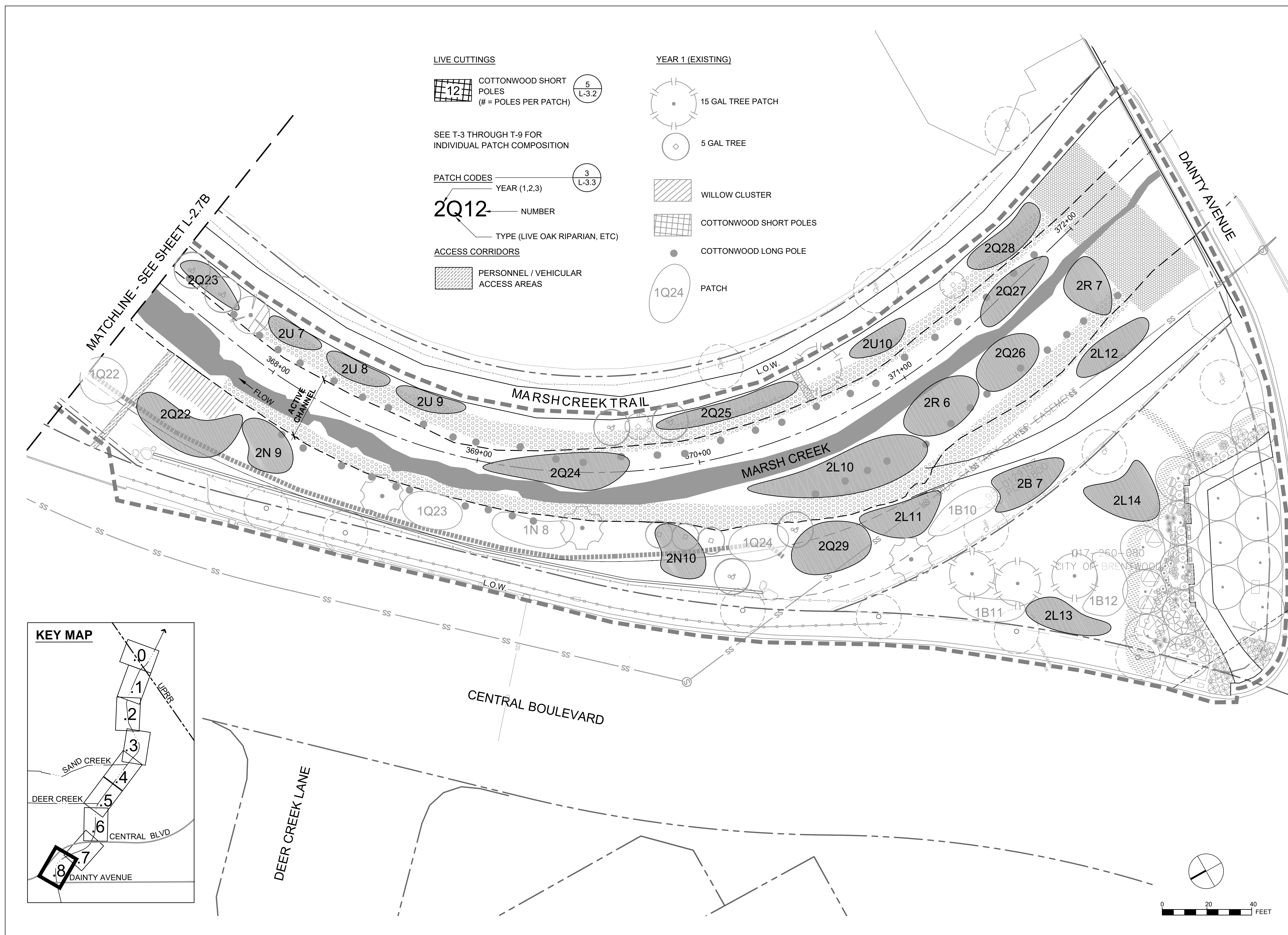
DATE MAY 22, 2020

REVEG - Y2

SHEET

L-2.7B BID ALT. 7

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REVEG - Y2

SHEET

L-2.8B

BID ALT. 7

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YEAR 3 PATCH SCHEDULES

PATCH TYPE L: LUPINE SCRUB

	1962	3L 1 Lupine Scrub	3L 2 Lupine Scrub	TOTAL
AREA (SF)				
MEDIUM SHRUBS				
Artemisia californica	25	7		32
Grindelia camporum	50	14		64
Lupinus albilfrons	100	27		127
SMALL GRASSES / FORBS				
Chlorogalum pomeridianum	42	11		53
Eriogonum nudum	167	45		212
Eschscholtzia californica	167	45		212
Lupinus succulentus	355	97		452
Solidago velutina ssp. californica	104	28		132
Stipa cernua	313	85		398
Stipa pulchra	209	57		266
Total Plants:	1532	416		

PATCH TYPE N: NEEDLEGRASS PRAIRIE

	3N 1 Needlegrass prairie	TOTAL
AREA (SF)	736	
MEDIUM SHRUBS		
Artemisia californica	9	9
Grindelia camporum	19	19
Lupinus albilfrons	38	38
SMALL GRASSES / FORBS		
Chlorogalum pomeridianum	16	16
Eriogonum nudum	63	63
Eschscholtzia californica	63	63
Lupinus succulentus	133	133
Solidago velutina ssp. californica	39	39
Stipa cernua	118	118
Stipa pulchra	78	78
Total Plants:	576	

PATCH TYPE W: WILLOW SCRUB

	3W 1 Willow scrub	TOTAL
AREA (SF)	193	
TREES		
Acer macrophyllum	1	1
Platanus racemosa	2	2
LIVE CUTTINGS		
Willow poles	7	7
MEDIUM SHRUBS		
Symphoricarpos albus	1	1
SMALL GRASSES / FORBS		
Artemisia douglasiana	10	10
Baccharis glutinosa	16	16
Total Plants:	37	

PATCH TYPE U: CALIFORNIA ROSE BRIARS

	3U 1 California rose briars	3U 2 California rose briars	3U 3 California rose briars	3U 4 California rose briars	3U 5 California rose briars	3U 6 California rose briars	TOTAL
AREA (SF)	397	407	194	394	309	248	
TREES							
Sambucus nigra ssp. caerulea	1	1	1	1	1	1	6
LARGE SHRUBS							
Rhamnus ilicifolia	3	3	1	3	2	2	14
MEDIUM SHRUBS							
Artemisia californica	5	5	2	5	4	3	24
Rosa californica	28	29	14	28	22	18	139
Salvia mellifera	10	10	5	10	8	6	49
SMALL GRASSES / FORBS							
Bromus carinatus	34	35	17	34	26	21	167
Elymus glaucus	55	56	27	55	43	34	270
Elymus triticoides	25	26	12	25	20	16	124
Eschscholtzia californica	42	43	21	42	33	26	207
Total Plants:	203	208	100	203	159	127	

PATCH TYPE R: RIPARIAN WOODLAND

	3R 1 Riparian Woodland	TOTAL
AREA (SF)	511	
TREES		
Acer macrophyllum	4	4
Aesculus californica	2	2
Fraxinus latifolia	7	7
Juglans hindsii	5	5
Platanus racemosa	5	5
Quercus lobata	4	4
LARGE SHRUBS		
Baccharis salicifolia	4	4
MEDIUM SHRUBS		
Rosa californica	7	7
Symphoricarpos albus	3	3
Vitis californica	8	8
SMALL GRASSES / FORBS		
Artemisia douglasiana	22	22
Total Plants:	71	

PATCH TYPE B: BACCHARIS - ARTEMISIA COASTAL SCRUB

	3B 1 Baccharis-Artemisia Coastal Scrub	3B 2 Baccharis-Artemisia Coastal Scrub	3B 3 Baccharis-Artemisia Coastal Scrub	3B 4 Baccharis-Artemisia Coastal Scrub	TOTAL
AREA (SF)	251	291	281	291	
LARGE SHRUBS					
Baccharis pilularis	11	13	12	13	49
Frangula californica	7	8	7	8	30
Heteromeles arbutifolia	3	3	3	3	12
Rhamnus ilicifolia	1	1	1	1	4
MEDIUM SHRUBS					
Artemisia californica	12	13	13	13	51
Mimulus aurantiacus	8	9	9	9	35
SMALL GRASSES / FORBS					
Elymus glaucus	8	9	9	9	35
Scrophularia californica	8	9	9	9	35
Stipa lepida	11	12	12	12	47
Stipa pulchra	5	6	6	6	23
Total Plants:	74	83	81	83	

REVEGETATION NOTES

- RESTORATION PLANTS LISTED AS PROVIDED BY THE WATERSHED NURSERY WILL BE PROCURED AND DELIVERED TO THE CENTRAL BLVD. STAGING AREA BY THE CLIENT. PLANTING SHALL BE COMPLETED BY THE CONTRACTOR. RESTORATION PLANTS LISTED AS BY CONTRACTOR SHALL BE PROCURED AND INSTALLED BY THE CONTRACTOR.
- SUNGOLD PARK PLANTS LISTED IN SCHEDULE ON L-2.0 AND DAINTY TRIANGLE PARK PLANTS LISTED IN SCHEDULE ON L-2.11 SHALL BE PROCURED BY CONTRACTOR AND INSTALLED PER PLANS.
- FINAL LAYOUT OF CONTAINER PLANTS TO BE APPROVED BY O.R. IN THE FIELD. EACH PATCH TYPE, SPECIES OF 15 GALLON TREE, AND LIVE CUTTING TYPE MUST BE MOCKED UP FOR O.R. APPROVAL.
- KEEP WOODY VEGETATION 10-FT CLEAR OF ALL OUTFALLS.
- PLANTS SHALL BE PLANTED TO AVOID EQUAL SPACING, UNLESS OTHERWISE DIRECTED BY O.R.
- INTERMIX SPECIFIED WILLOW SPECIES WITHIN WILLOW PLANTING AREAS, AS DIRECTED BY O.R.
- NO PLANTING OPERATIONS SHALL BE INITIATED PRIOR TO APPROVAL OF THE RESTORATION IRRIGATION STRATEGY.
- PRESERVE AND PROTECT EXISTING AREAS SEEDED TO THE EXTENT PRACTICAL. CONTRACTOR SHALL RE-SEED ALL EARTHEN AREAS DISTURBED BY CONSTRUCTION NOT RECEIVING MULCH AND OUTSIDE THE ACTIVE CHANNEL. SEE SPECIFICATIONS.

LEGEND

- PROPERTY BOUNDARY
- - - GRADE BREAK, SEE CIVIL SET
- LIMIT OF WORK
- SS — (E) SANITARY SEWER
- [Pattern] MULCHED AREA, SEE SPECS
- (E) TREE

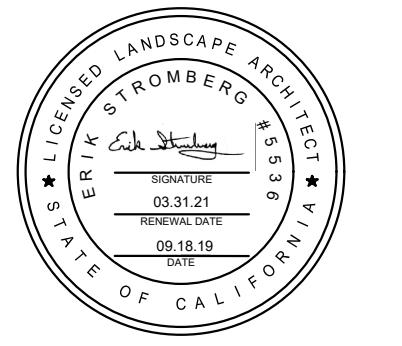
YEAR 3 RESTORATION PLANT TOTALS

SPECIES	SIZE	Y3 TOTAL
Sourced By Contractor		
LIVE CUTTINGS		
Willow poles	SHORT POLE	7
Cottonwood poles	SHORT POLE	13
Provided by the Watershed Nursery		
TREES		
Acer macrophyllum	TP4	5
Aesculus californica	TP4	85
Fraxinus latifolia	TP4	90
Juglans hindsii	TP4	61
Platanus racemosa	TP4	55
Quercus lobata	TP4	253
Sambucus nigra ssp. caerulea	TP4	117
LARGE SHRUBS		
Baccharis pilularis	D40	131
Baccharis salicifolia	D40	86
Frangula californica	TB4	30
Heteromeles arbutifolia	TB4	66
Rhamnus ilicifolia	TB4	49
MEDIUM SHRUBS		
Artemisia californica	D40	116
Grindelia camporum	D40	83
Lupinus albilfrons	D40	165
Mimulus aurantiacus	D40	35
Rosa californica	D40	146
Salvia mellifera	D40	49
Symphoricarpos albus	D40	4
Vitis californica	D40	8
SMALL GRASSES / FORBS		
Artemisia douglasiana	D16	410
Baccharis glutinosa	D16	16
Bromus carinatus	D16	929
Chlorogalum pomeridianum	D16	69
Elymus glaucus	SC	876
Elymus triticoides	SC	124
Eriogonum nudum	D16	275
Eschscholtzia californica	D16	1053
Lupinus succulentus	D16	585
Melica californica	SC	571
Melica torreyana	SC	378
Scrophularia californica	D40	35
Solidago velutina ssp. californica	D40	171
Stipa cernua	SC	516
Stipa lepida	SC	47
Stipa pulchra	SC	367
Total Plants by TWN		8,056
Total Plants by Contractor		20

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RESTORATION PLANTING Y3

SHEET

T-8 BID ALT. 8

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YEAR 3 PATCH SCHEDULES CONTINUED

PATCH TYPE Q: LIVE OAK RIPARIAN

	3Q 1 Live Oak Riparian	3Q 2 Live Oak Riparian	3Q 3 Live Oak Riparian	3Q 4 Live Oak Riparian	3Q 5 Live Oak Riparian	3Q 6 Live Oak Riparian	3Q 7 Live Oak Riparian	3Q 8 Live Oak Riparian	3Q 9 Live Oak Riparian	3Q 10 Live Oak Riparian	3Q 11 Live Oak Riparian	3Q 12 Live Oak Riparian	3Q 13 Live Oak Riparian	3Q 14 Live Oak Riparian	3Q 15 Live Oak Riparian	3Q 16 Live Oak Riparian	3Q 17 Live Oak Riparian	3Q 18 Live Oak Riparian	3Q 19 Live Oak Riparian	3Q 20 Live Oak Riparian	3Q 21 Live Oak Riparian	3Q 22 Live Oak Riparian	3Q 23 Live Oak Riparian	3Q 24 Live Oak Riparian	3Q 25 Live Oak Riparian	3Q 26 Live Oak Riparian	3Q 27 Live Oak Riparian	3Q 28 Live Oak Riparian	3Q 29 Live Oak Riparian	3Q 30 Live Oak Riparian	3Q 31 Live Oak Riparian	3Q 32 Live Oak Riparian	3Q 33 Live Oak Riparian	3Q 34 Live Oak Riparian	3Q 35 Live Oak Riparian	3Q 36 Live Oak Riparian	3Q 37 Live Oak Riparian	3Q 38 Live Oak Riparian	3Q 39 Live Oak Riparian	3Q 40 Live Oak Riparian	TOTAL			
AREA (SF)	226	226	351	383	276	245	245	369	564	224	386	345	531	510	362	677	245	944	718	575	329	690	495	369	372	525	372	608	134	396	714	526	348	381	468	348	665	415	661	558				
TREES																																												
Aesculus californica	1	1	2	2	1	1	1	2	3	1	2	2	2	2	2	3	1	4	3	3	1	3	2	2	2	2	3	2	3	1	2	3	2	2	2	2	2	3	2	3	2	83		
Fraxinus latifolia	1	1	2	2	1	1	1	2	3	1	2	2	2	2	2	3	1	4	3	3	1	3	2	2	2	2	3	2	3	1	2	3	2	2	2	2	2	3	2	3	2	83		
Juglans hindsii	1	1	1	1	1	1	1	1	2	1	1	1	2	2	1	2	1	3	2	2	1	2	2	1	1	2	1	2	0	1	2	2	1	1	1	1	1	2	1	2	2	56		
Platanus racemosa	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	1	1	2	1	1	1	2	1	2	0	1	2	1	1	1	1	1	1	2	1	2	1	48		
Quercus lobata	3	3	5	5	4	3	3	5	8	3	5	5	7	7	5	10	3	13	10	8	5	10	7	5	5	9	5	9	2	6	10	7	5	5	7	5	9	6	9	8	249			
Sambucus nigra ssp. caerulea	1	1	2	2	2	2	2	2	4	1	2	2	3	3	2	4	2	6	5	4	2	4	3	2	2	2	4	1	3	5	3	2	2	3	2	4	3	4	4	4	111			
LARGE SHRUBS																																												
Baccharis pilularis	1	1	2	2	1	1	1	2	2	1	2	2	2	2	2	3	1	4	3	3	1	3	2	2	2	2	3	2	3	1	2	3	2	2	2	2	2	3	2	3	2	82		
Baccharis salicifolia	1	1	2	2	1	1	1	2	2	1	2	2	2	2	2	3	1	4	3	3	1	3	2	2	2	2	3	2	3	1	2	3	2	2	2	2	3	2	3	2	82			
Heteromeles arbutifolia	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1	2	1	3	2	1	2	1	1	1	1	2	0	1	2	2	1	1	1	1	1	1	1	2	1	2	2	54		
Rhamnus ilicifolia	0	0	1	1	0	0	0	1	1	0	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	31		
SMALL GRASSES / FORBS																																												
Artemisia douglasiana	5	5	7	8	6	5	5	8	12	5	8	7	11	11	8	14	5	20	15	12	7	15	11	8	8	13	8	13	3	8	15	11	7	8	10	7	14	9	14	12	378			
Bromus carinatus	10	10	15	16	12	10	10	16	24	10	16	15	23	22	15	29	10	40	31	24	14	29	21	16	16	27	16	26	6	17	30	22	15	16	20	15	28	18	28	24	762			
Elymus glaucus	7	7	11	12	9	8	8	12	18	7	12	11	17	16	12	22	8	30	23	18	11	22	16	12	12	20	12	19	4	13	23	17	11	12	15	11	21	13	21	18	571			
Eschscholtzia californica	7	7	11	12	9	8	8	12	18	7	12	11	17	16	12	22	8	30	23	18	11	22	16	12	12	20	12	19	4	13	23	17	11	12	15	11	21	13	21	18	571			
Melica californica	7	7	11	12	9	8	8	12	18	7	12	11	17	16	12	22	8	30	23	18	11	22	16	12	12	20	12	19	4	13	23	17	11	12	15	11	21	13	21	18	571			
Melica torreyana	5	5	7	8	6	5	5	8	12	5	8	7	11	11	8	14	5	20	15	12	7	15	11	8	8	13	8	13	3	8	15	11	7	8	10	7	14	9	14	12	378			
Total Plants:	52	52	81	87	64	56	56	87	130	52	87	81	120	115	86	156	56	214	164	132	75	158	114	87	87	145	87	141	31	93	163	119	81	87	107	81	151	96	151	128				

REVISIONS	
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**THREE CREEKS PARKWAY
RESTORATION PROJECT
LANDSCAPE SET**



BID SET

Restoration Design Group, Inc.
2332 5th Street, Suite C
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T: 510.644.2788 F: 510.644.1799
www.restorationdesigngroup.com

DESIGN BY: ES / AS / LN
DRAWN BY: ES / KB / PR
CHECKED BY: ES
SCALE: 1" = 20'-0"

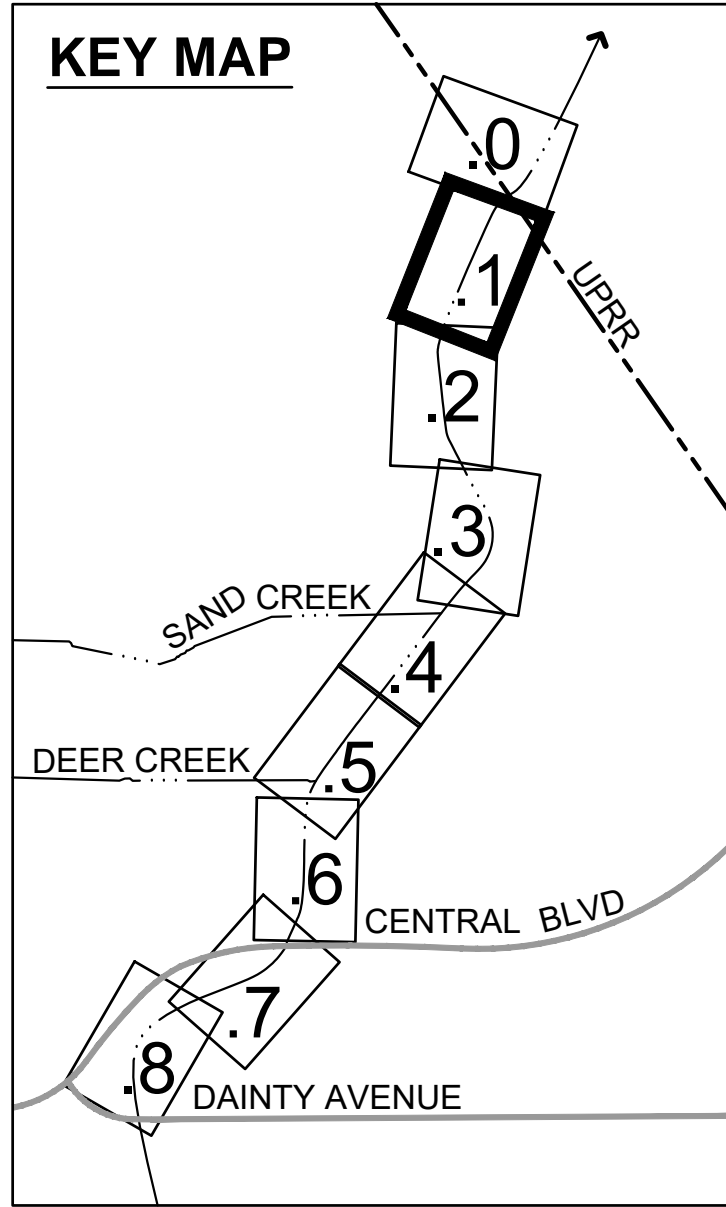
DATE: MAY 22, 2020

**RESTORATION
PLANTING Y3**

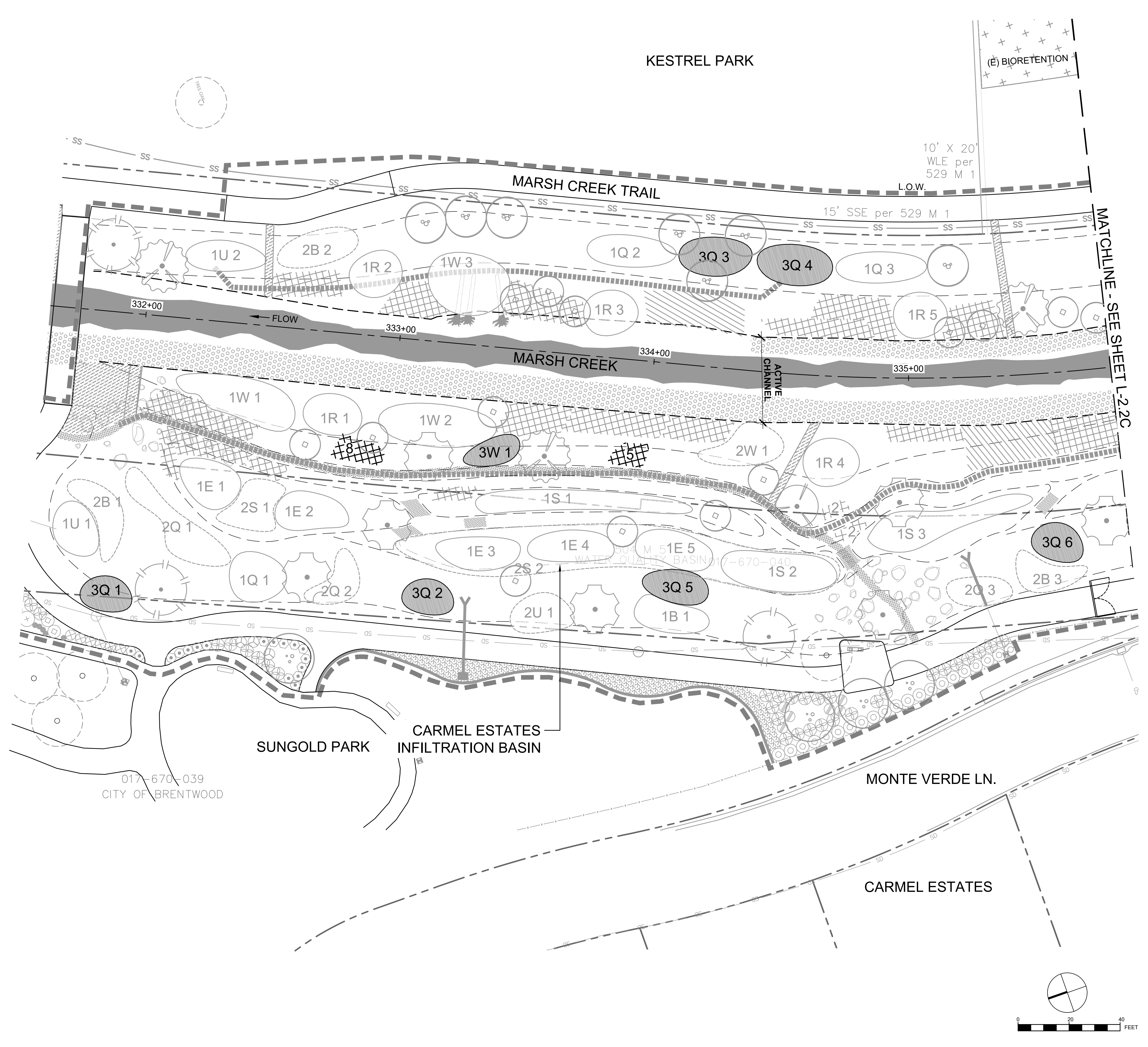
SHEET

**T-9
BID ALT. 8**

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- LIVE CUTTINGS**
- COTTONWOOD SHORT POLES (# = POLES PER PATCH) 5 L-3.2
- SEE T-3 THROUGH T-9 FOR INDIVIDUAL PATCH COMPOSITION
- PATCH CODES** 3 L-3.3
- 3Q12** — YEAR (1,2,3)
- 3Q12** — NUMBER
- TYPE (LIVE OAK RIPARIAN, ETC)
- ACCESS CORRIDORS**
- PERSONNEL / VEHICULAR ACCESS AREAS
- YEAR 1 & 2 (EXISTING)**
- 15 GAL TREE PATCH
 - 5 GAL TREE
 - WILLOW CLUSTER
 - COTTONWOOD SHORT POLES
 - COTTONWOOD LONG POLE
 - PATCH



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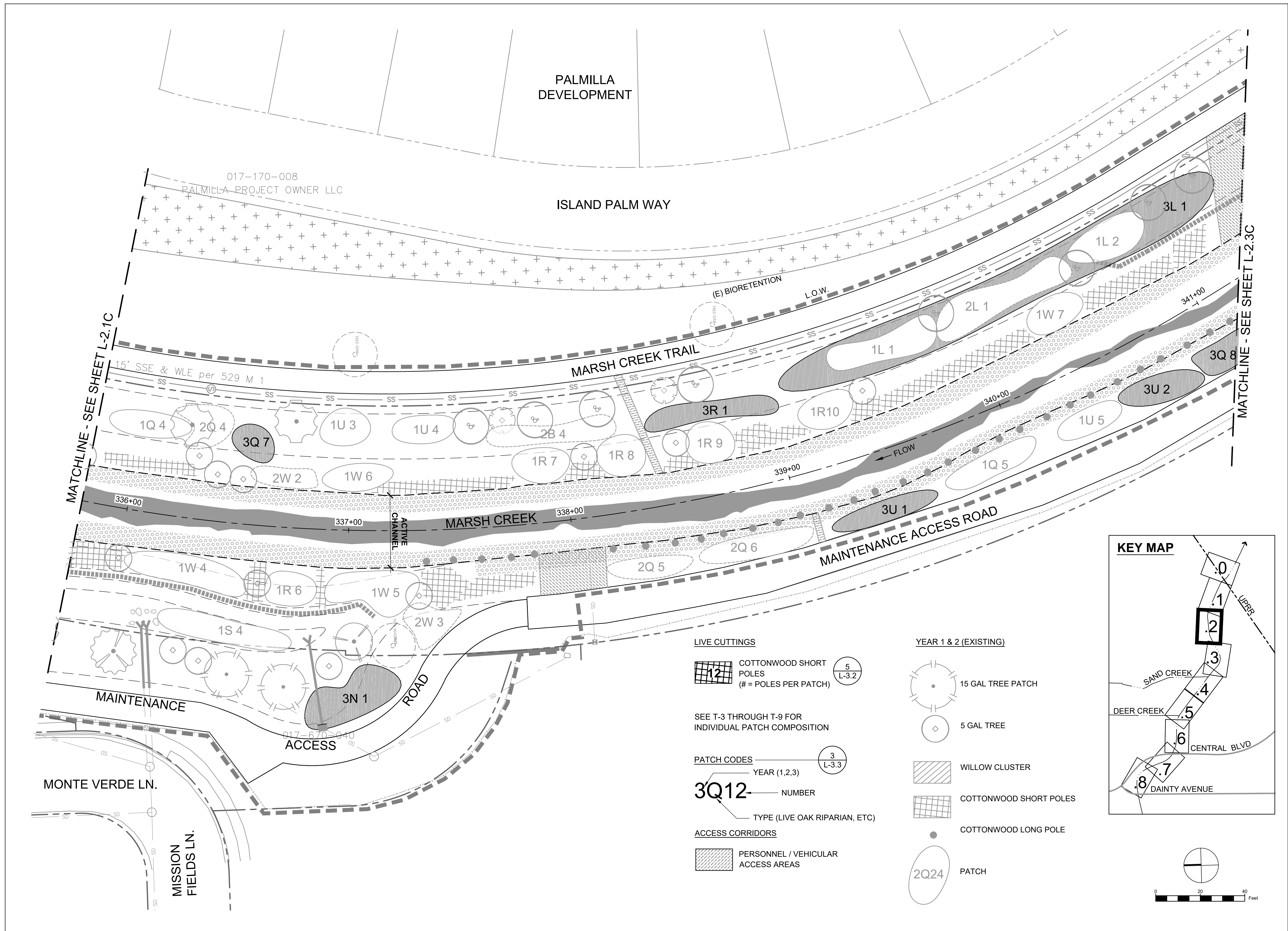
DATE MAY 22, 2020

REVEG - Y3

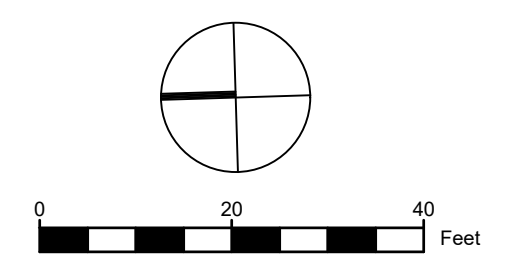
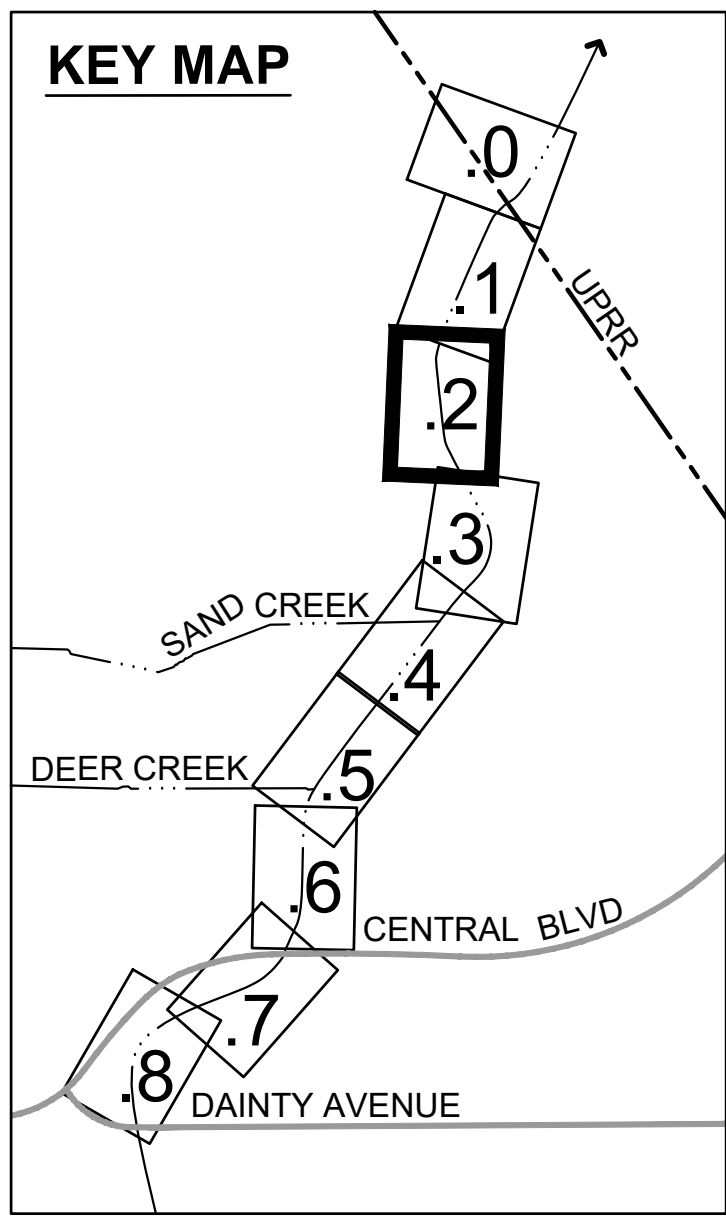
SHEET

L-2.1C BID ALT. 8

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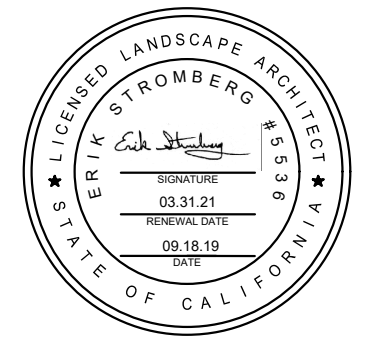


- LIVE CUTTINGS**
- COTTONWOOD SHORT POLES (# = POLES PER PATCH)
 - SEE T-3 THROUGH T-9 FOR INDIVIDUAL PATCH COMPOSITION
 - PATCH CODES**
 - YEAR (1,2,3)
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 - COTTONWOOD LONG POLE
 - PATCH



REVISIONS	
DATE	DESCRIPTION

THREE CREEKS PARKWAY RESTORATION PROJECT LANDSCAPE SET



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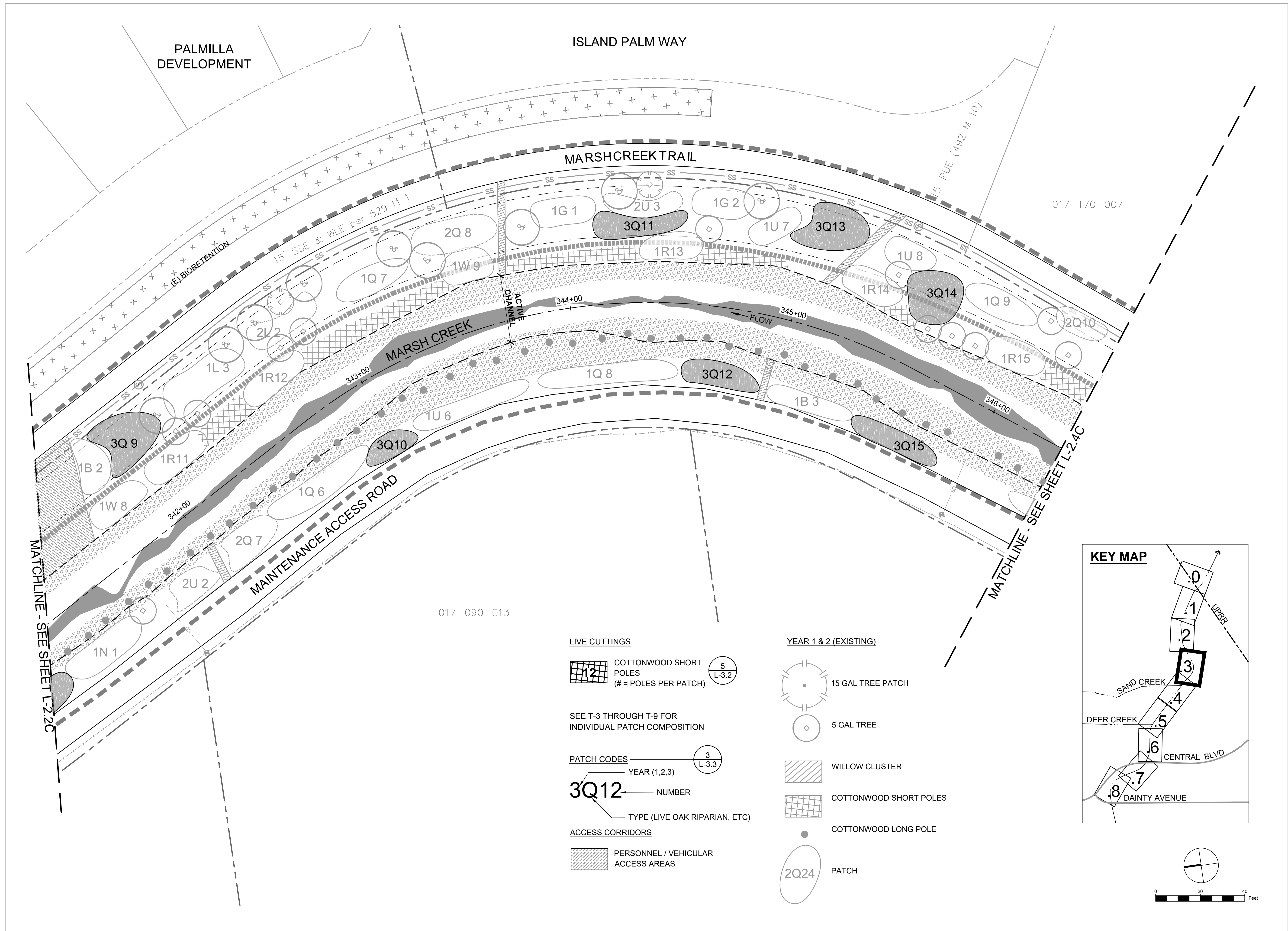
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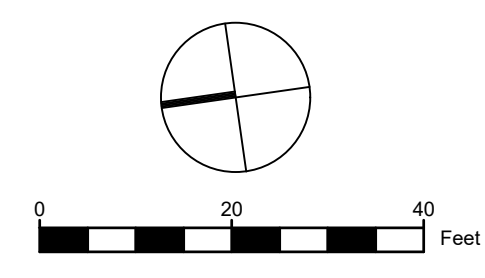
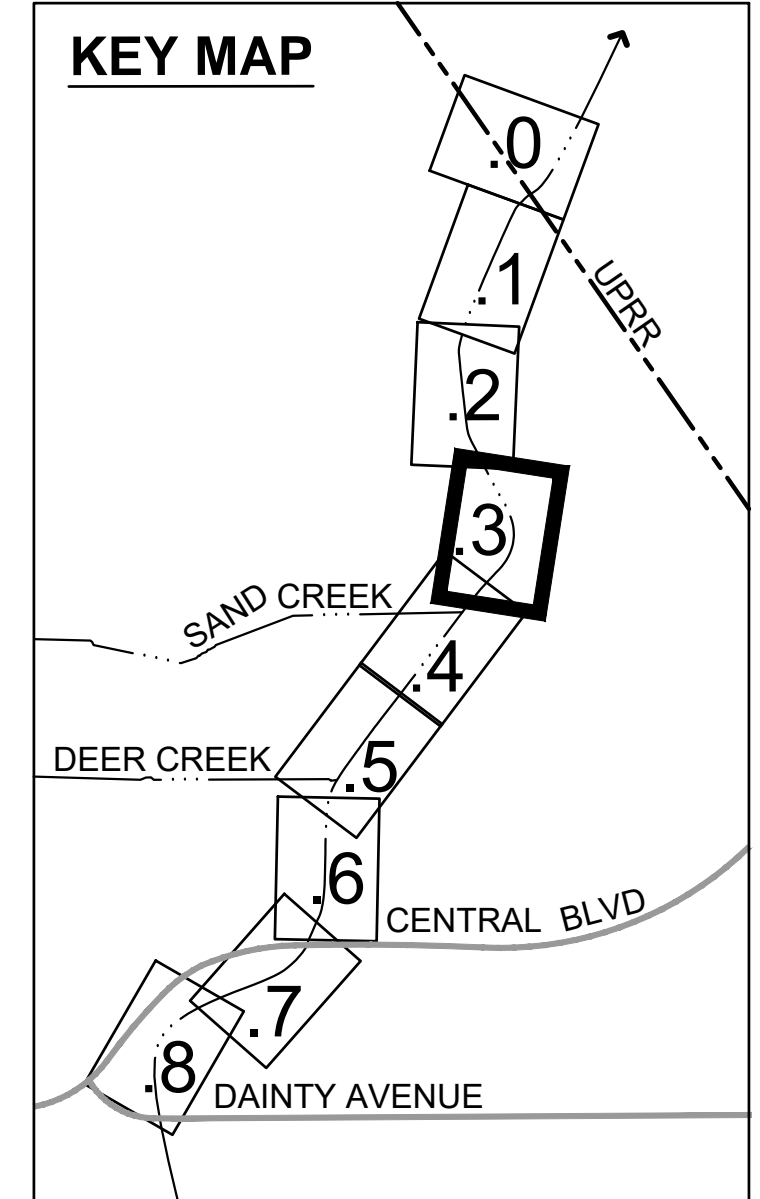
REVEG - Y3

SHEET
L-2.2C
BID ALT. 8

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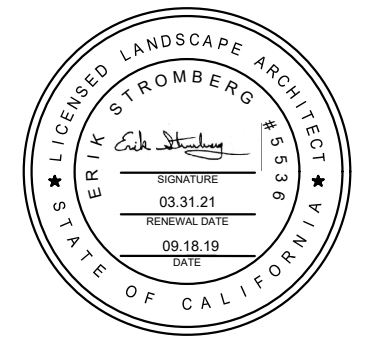


- LIVE CUTTINGS**
- COTTONWOOD SHORT POLES (# = POLES PER PATCH)
 - SEE T-3 THROUGH T-9 FOR INDIVIDUAL PATCH COMPOSITION
 - PATCH CODES**
 - YEAR (1,2,3)
 - 3Q12** - NUMBER
 - TYPE (LIVE OAK RIPARIAN, ETC)
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 - WILLOW CLUSTER
 - COTTONWOOD SHORT POLES
 - COTTONWOOD LONG POLE
 - PATCH



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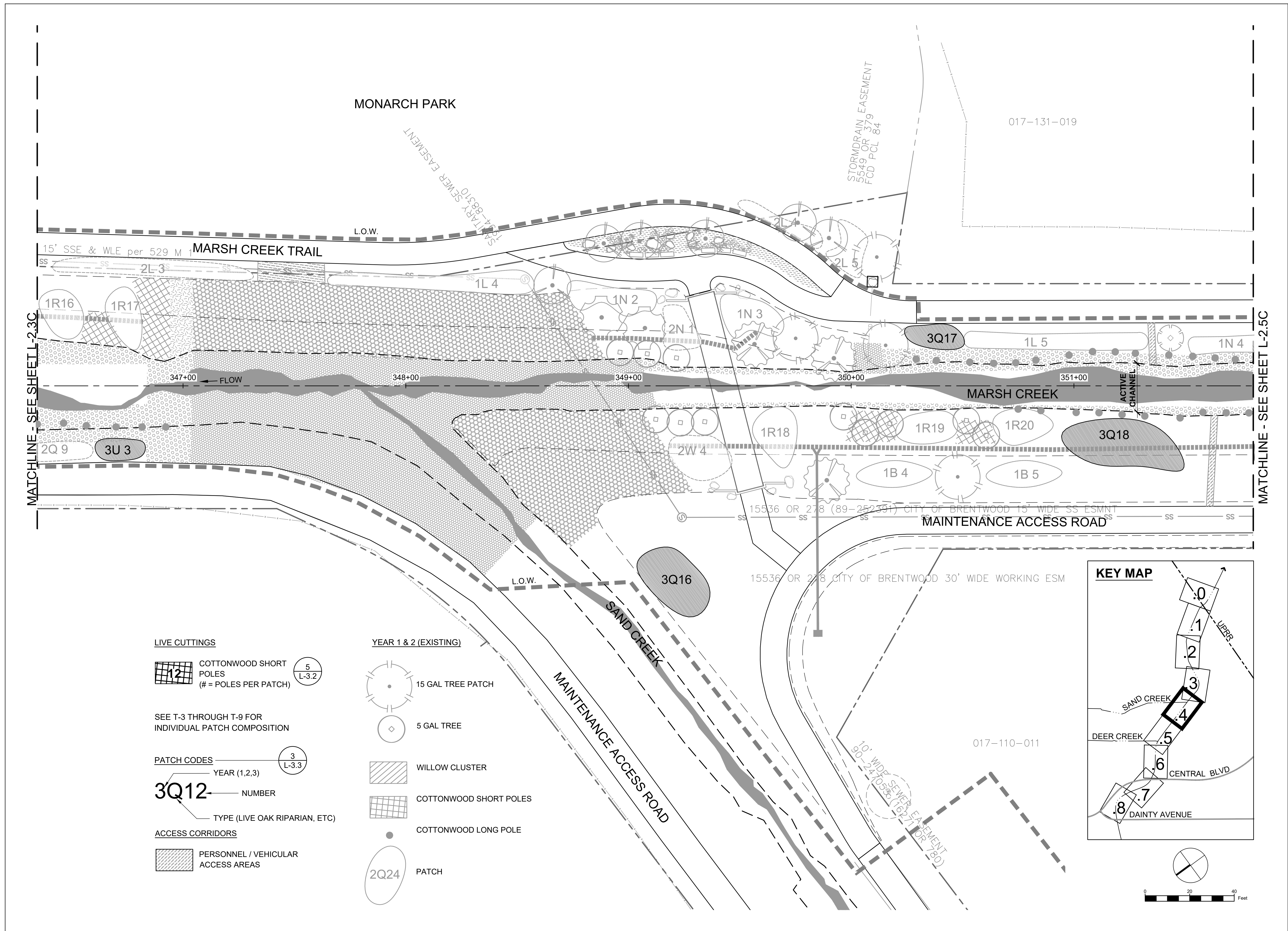
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REVEG - Y3

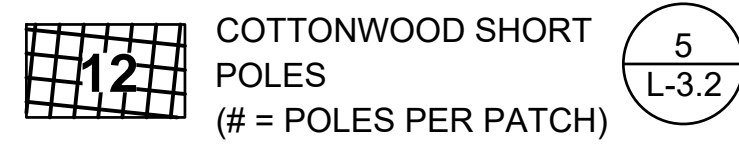
SHEET

L-2.3C BID ALT. 8

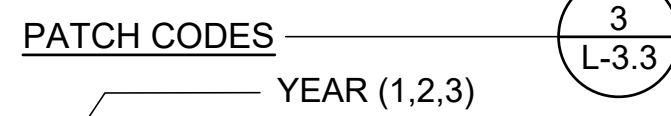
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LIVE CUTTINGS

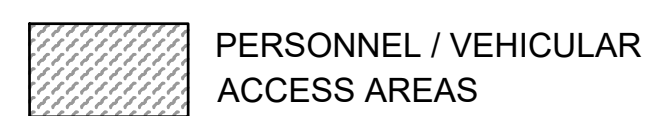


SEE T-3 THROUGH T-9 FOR INDIVIDUAL PATCH COMPOSITION

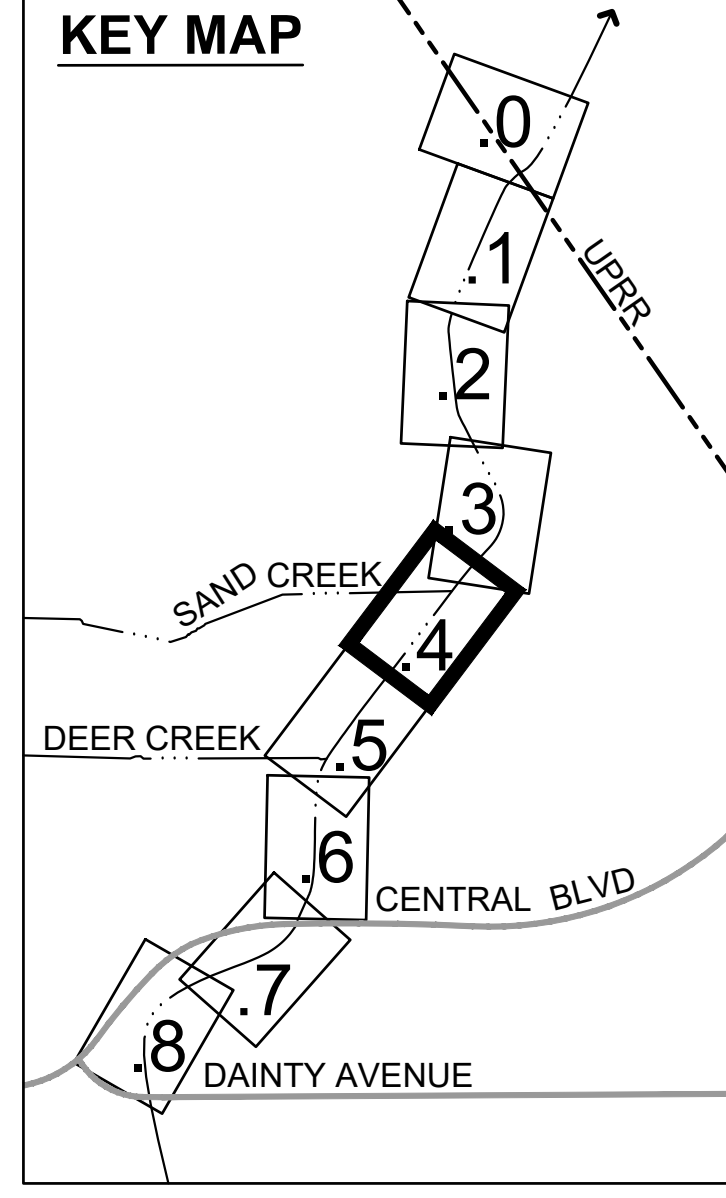


YEAR (1,2,3)
TYPE (LIVE OAK RIPARIAN, ETC)

ACCESS CORRIDORS



YEAR 1 & 2 (EXISTING)



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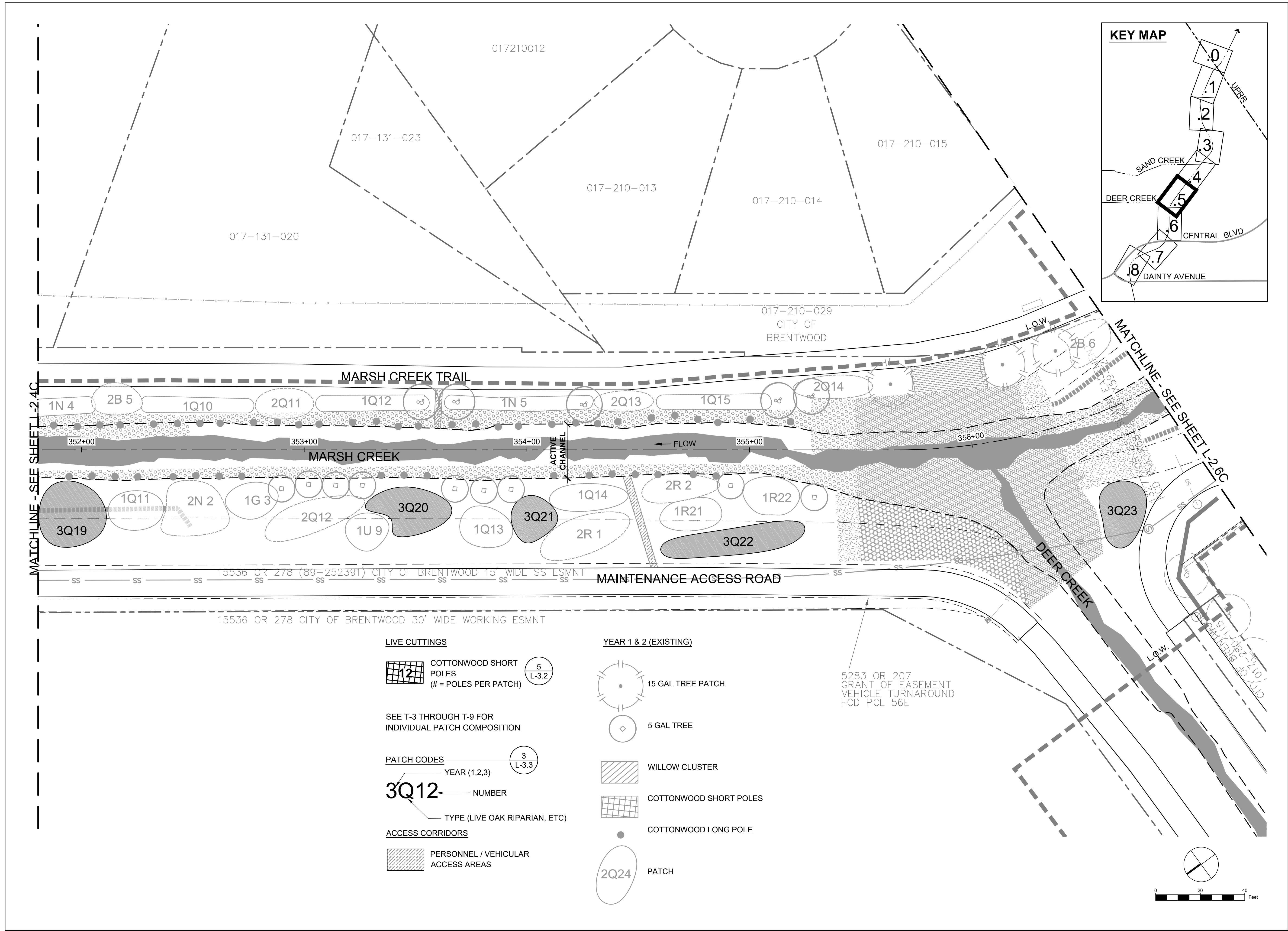
DATE MAY 22, 2020

REVEG - Y3

SHEET

L-2.4C BID ALT. 8

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SCALE: 1" = 20'-0"

DATE: MAY 22, 2020

REVEG - Y3

SHEET

L-2.5C BID ALT. 8

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DATE	DESCRIPTION

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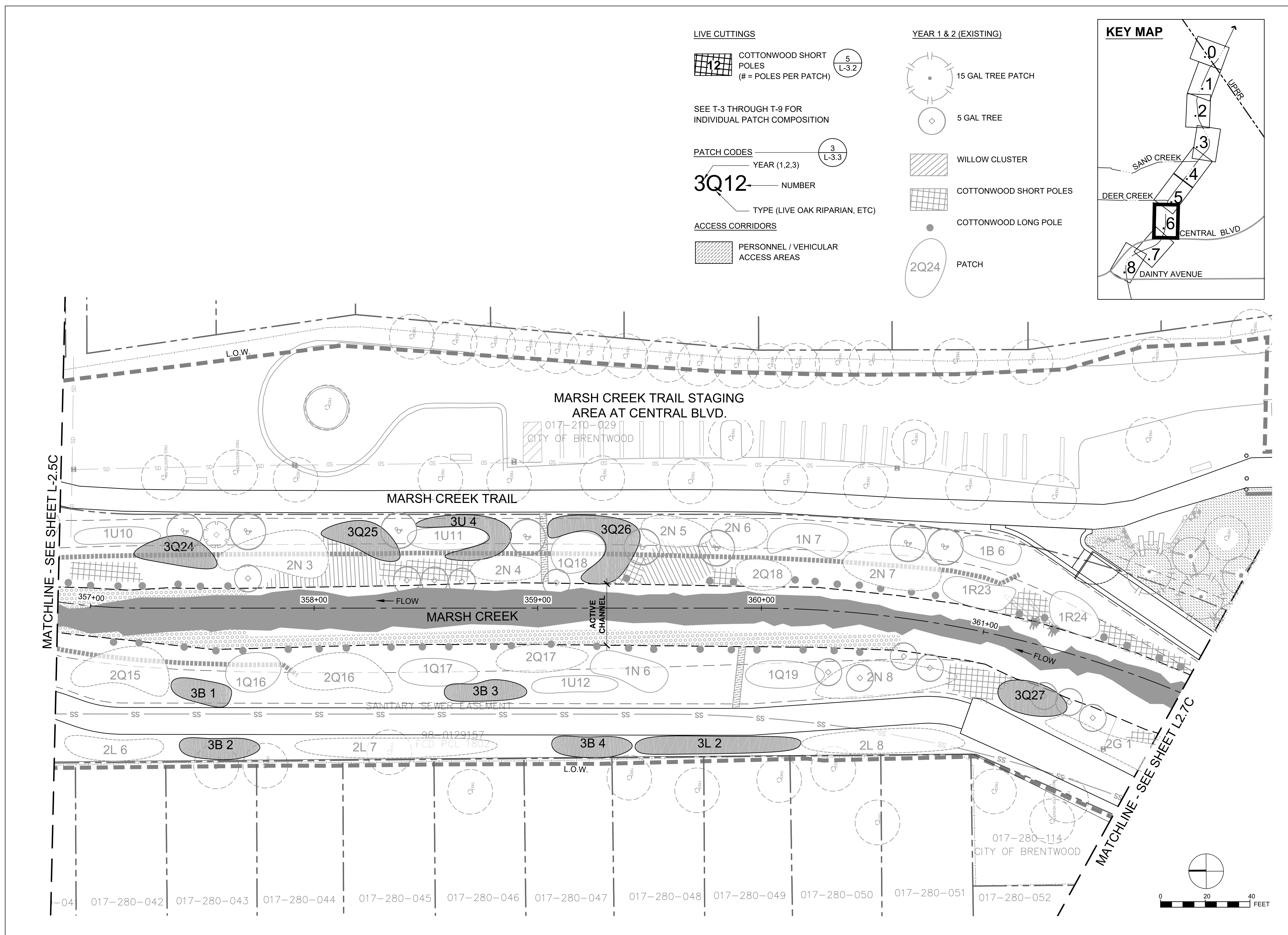
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CHECKED BY ES
SCALE 1" = 20'-0"
DATE MAY 22, 2020

REVEG - Y3

SHEET
L-2.6C
BID ALT. 8

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LIVE CUTTINGS

COTTONWOOD SHORT POLES (# = POLES PER PATCH) 5 L-3.2

SEE T-3 THROUGH T-9 FOR INDIVIDUAL PATCH COMPOSITION

PATCH CODES

3 L-3.3

3Q12 — NUMBER

— TYPE (LIVE OAK RIPARIAN, ETC.)

ACCESS CORRIDORS

PERSONNEL / VEHICULAR ACCESS AREAS

YEAR 1 & 2 (EXISTING)

15 GAL TREE PATCH

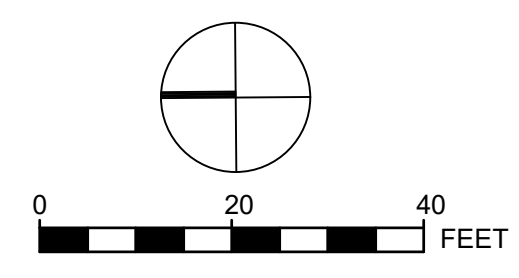
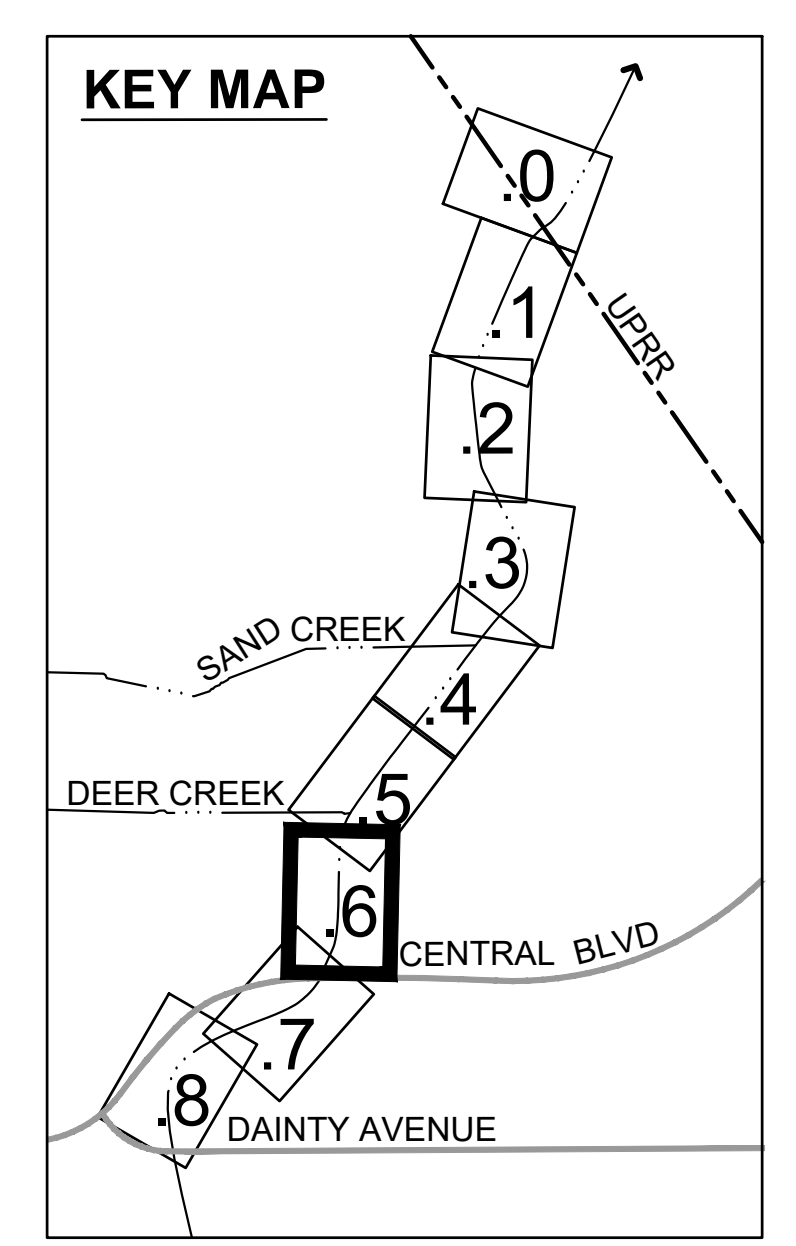
5 GAL TREE

WILLOW CLUSTER

COTTONWOOD SHORT POLES

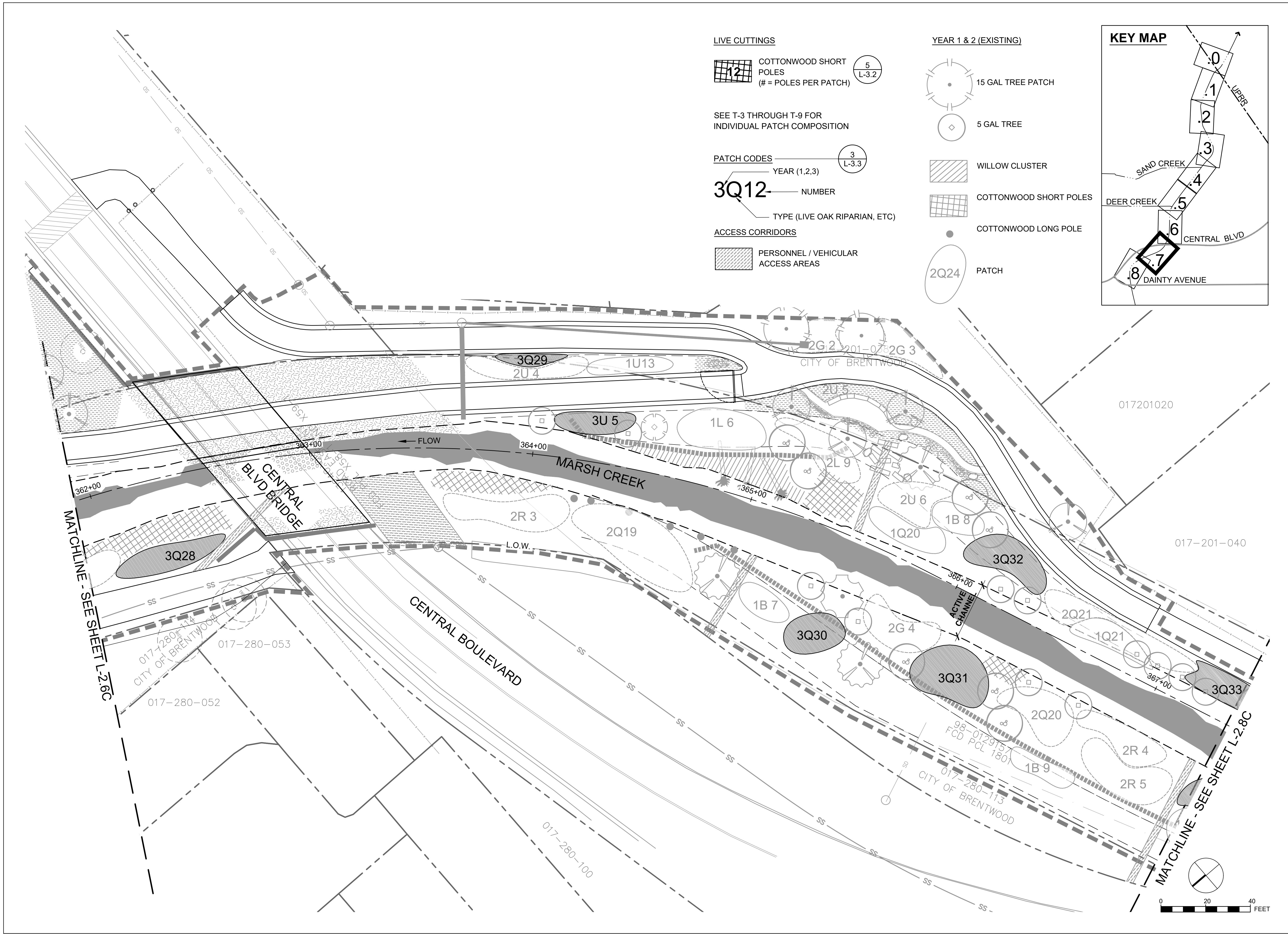
COTTONWOOD LONG POLE

PATCH



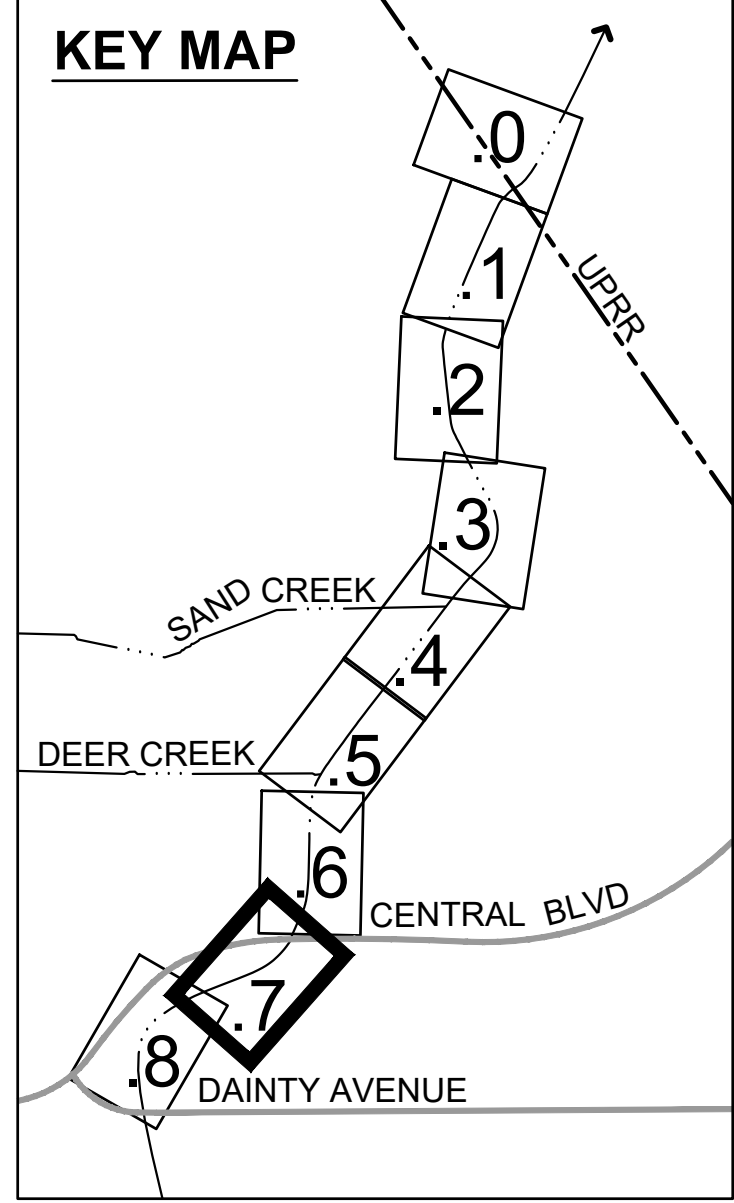
MATCHLINE - SEE SHEET L-2.5C

MATCHLINE - SEE SHEET L2.7C



LIVE CUTTINGS
 12 COTTONWOOD SHORT POLES (# = POLES PER PATCH) 5 L-3.2
 SEE T-3 THROUGH T-9 FOR INDIVIDUAL PATCH COMPOSITION
 3 L-3.3
PATCH CODES
 YEAR (1,2,3) 3
 NUMBER 12
 TYPE (LIVE OAK RIPARIAN, ETC)
ACCESS CORRIDORS
 PERSONNEL / VEHICULAR ACCESS AREAS

YEAR 1 & 2 (EXISTING)
 15 GAL TREE PATCH
 5 GAL TREE
 WILLOW CLUSTER
 COTTONWOOD SHORT POLES
 COTTONWOOD LONG POLE
 2Q24 PATCH



REVISIONS	
DATE	DESCRIPTION

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 DATE: MAY 22, 2020

REVEG - Y3

SHEET
L-2.7C
BID ALT. 8

REVISIONS	
DATE	DESCRIPTION

THREE CREEKS PARKWAY RESTORATION PROJECT LANDSCAPE SET



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DESIGN BY ES / AS / LN

DRAWN BY ES / KB / PR

CHECKED BY ES

SCALE 1" = 20'-0"

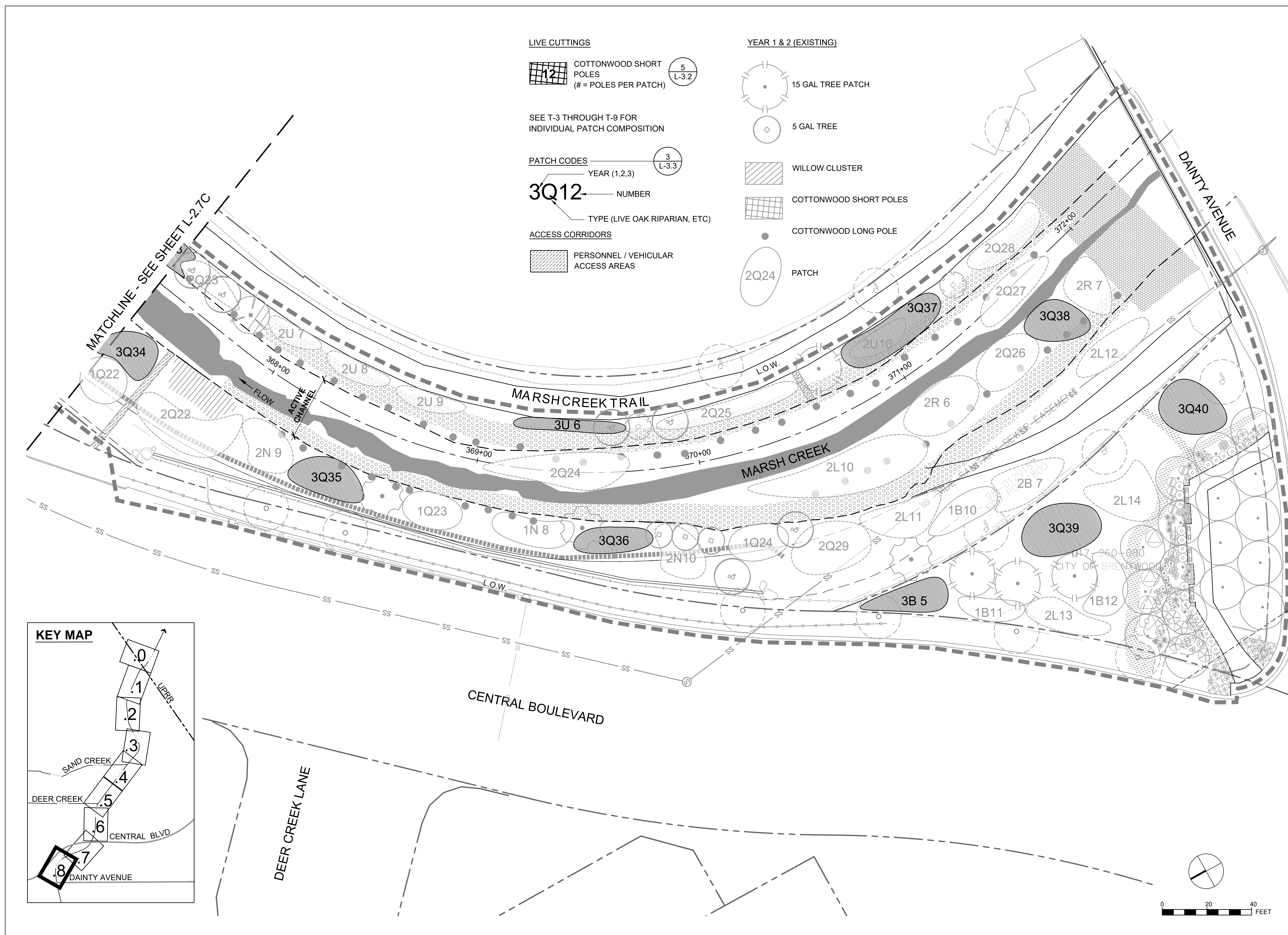
DATE MAY 22, 2020

REVEG - Y3

SHEET

L-2.8C BID ALT. 8

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LIVE CUTTINGS
 COTTONWOOD SHORT POLES (# = POLES PER PATCH)
 5 L-3.2

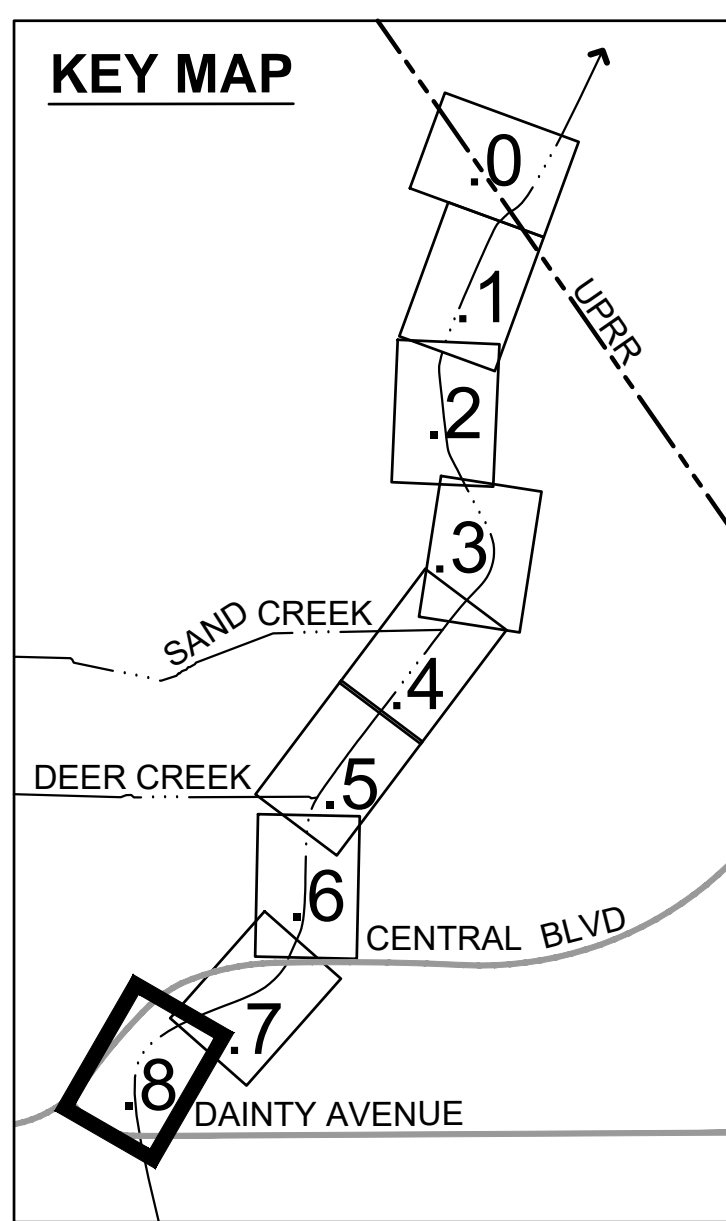
SEE T-3 THROUGH T-9 FOR INDIVIDUAL PATCH COMPOSITION

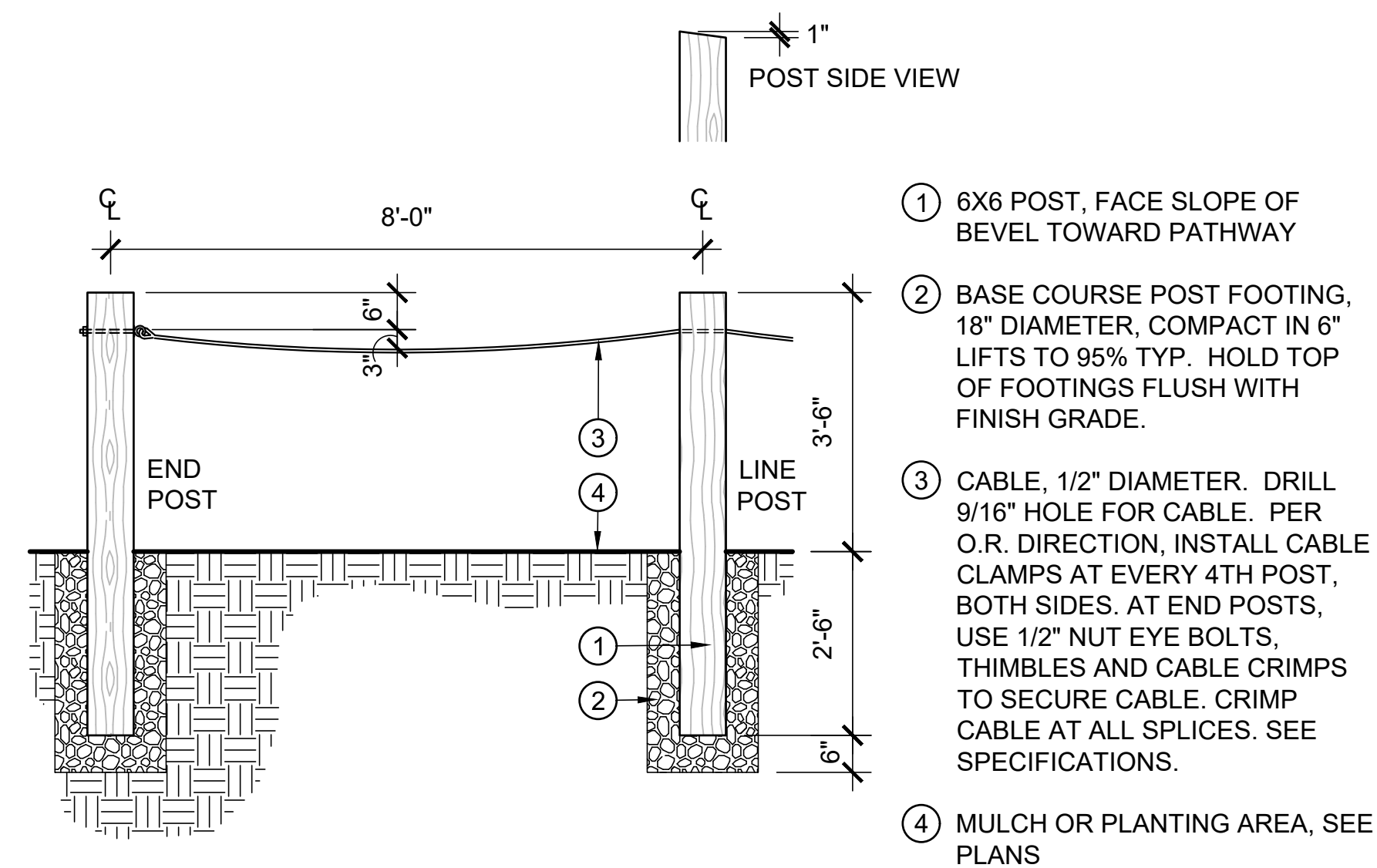
PATCH CODES
 YEAR (1,2,3) L-3.3
3Q12 NUMBER
 TYPE (LIVE OAK RIPARIAN, ETC)

ACCESS CORRIDORS
 PERSONNEL / VEHICULAR ACCESS AREAS

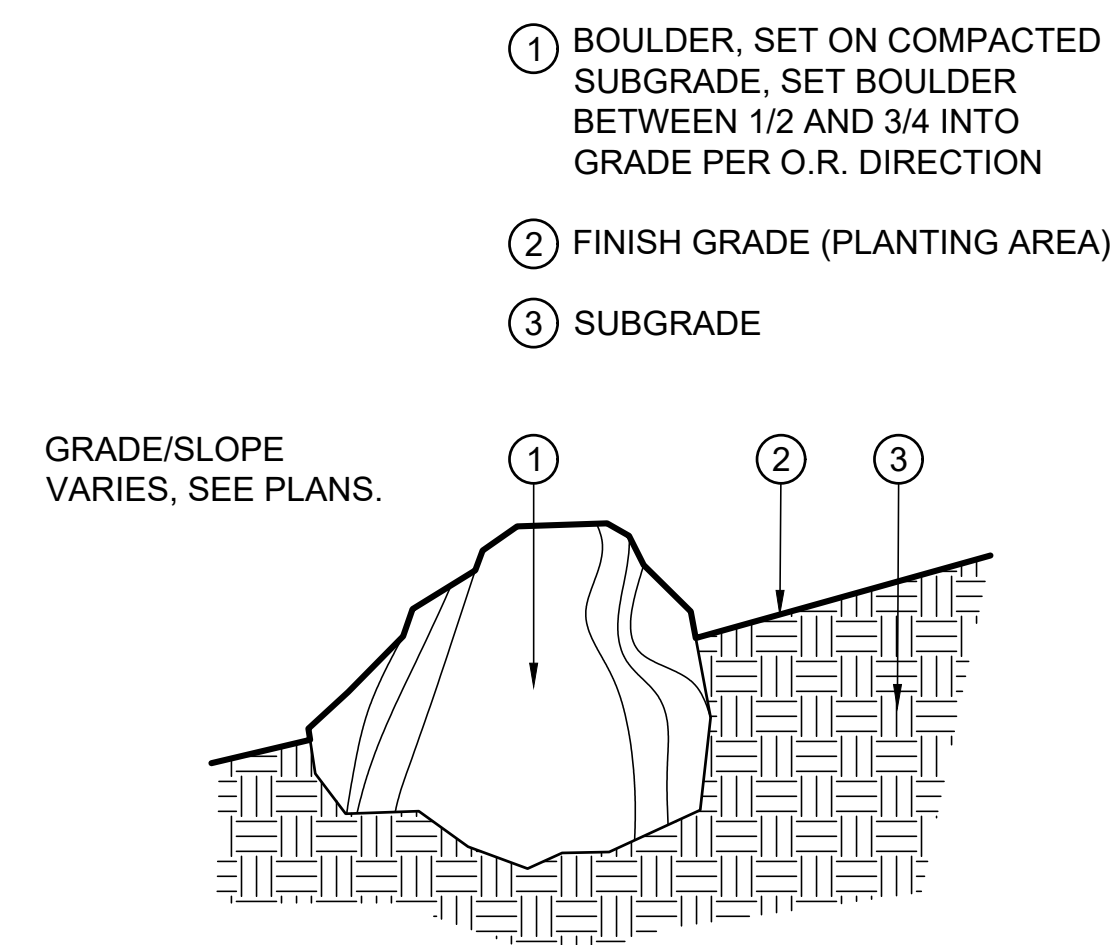
YEAR 1 & 2 (EXISTING)

- 15 GAL TREE PATCH
- 5 GAL TREE
- WILLOW CLUSTER
- COTTONWOOD SHORT POLES
- COTTONWOOD LONG POLE
- PATCH

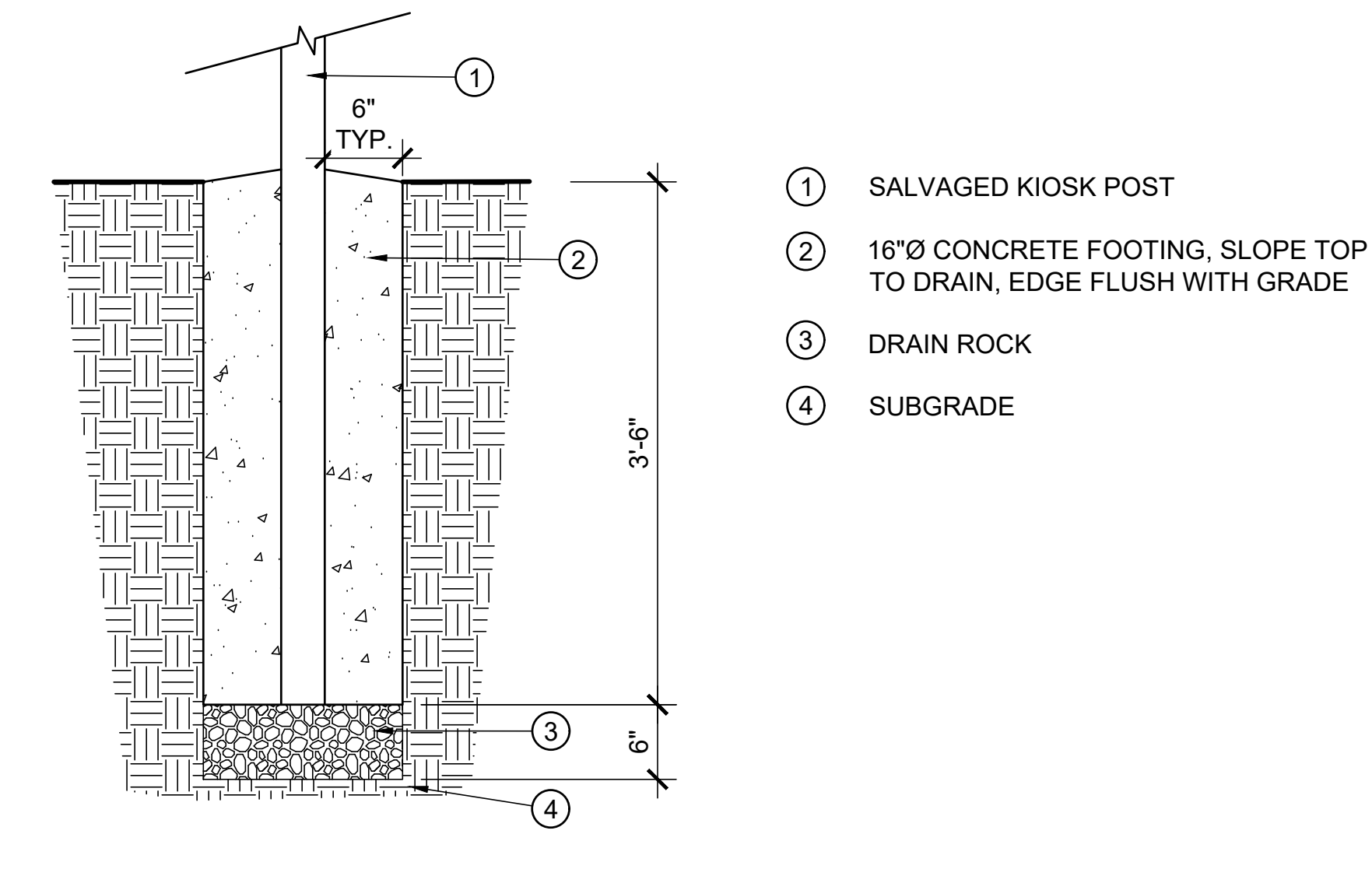




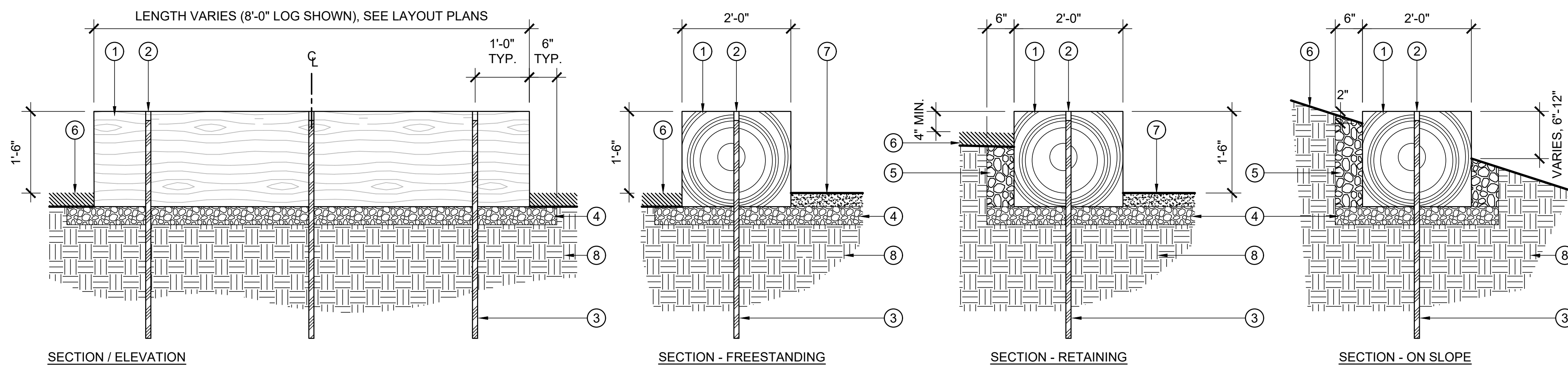
1 RESTORATION FENCE
SCALE: NTS



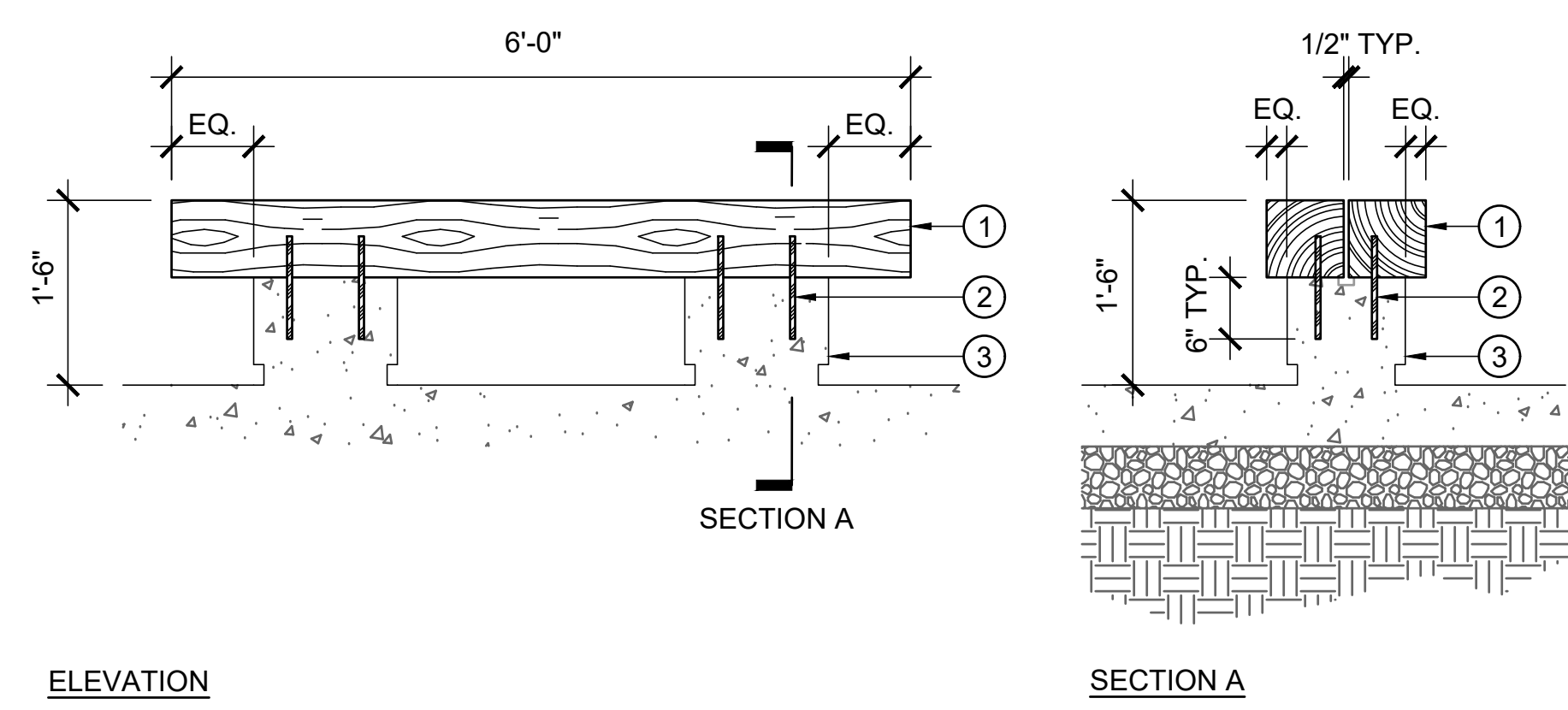
2 SITE BOULDER
SCALE: NTS



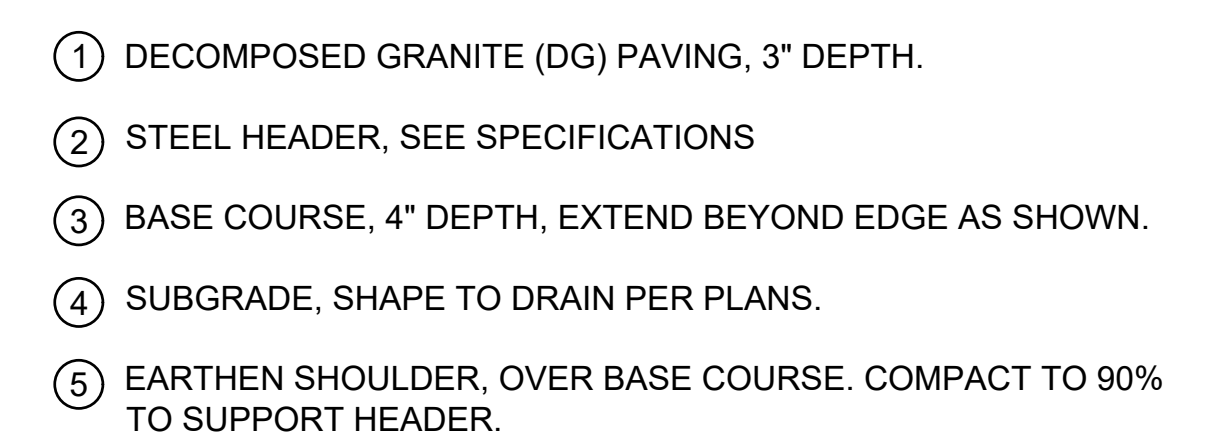
3 POST FOOTING
SCALE: NTS



4 LOG BENCH ON GRADE
SCALE: NTS



5 TIMBER BENCH ON PEDESTAL
SCALE: NTS



6 DECOMPOSED GRANITE PAVING
SCALE: NTS

REVISIONS	
DATE	DESCRIPTION

**THREE CREEKS PARKWAY
RESTORATION PROJECT
LANDSCAPE SET**



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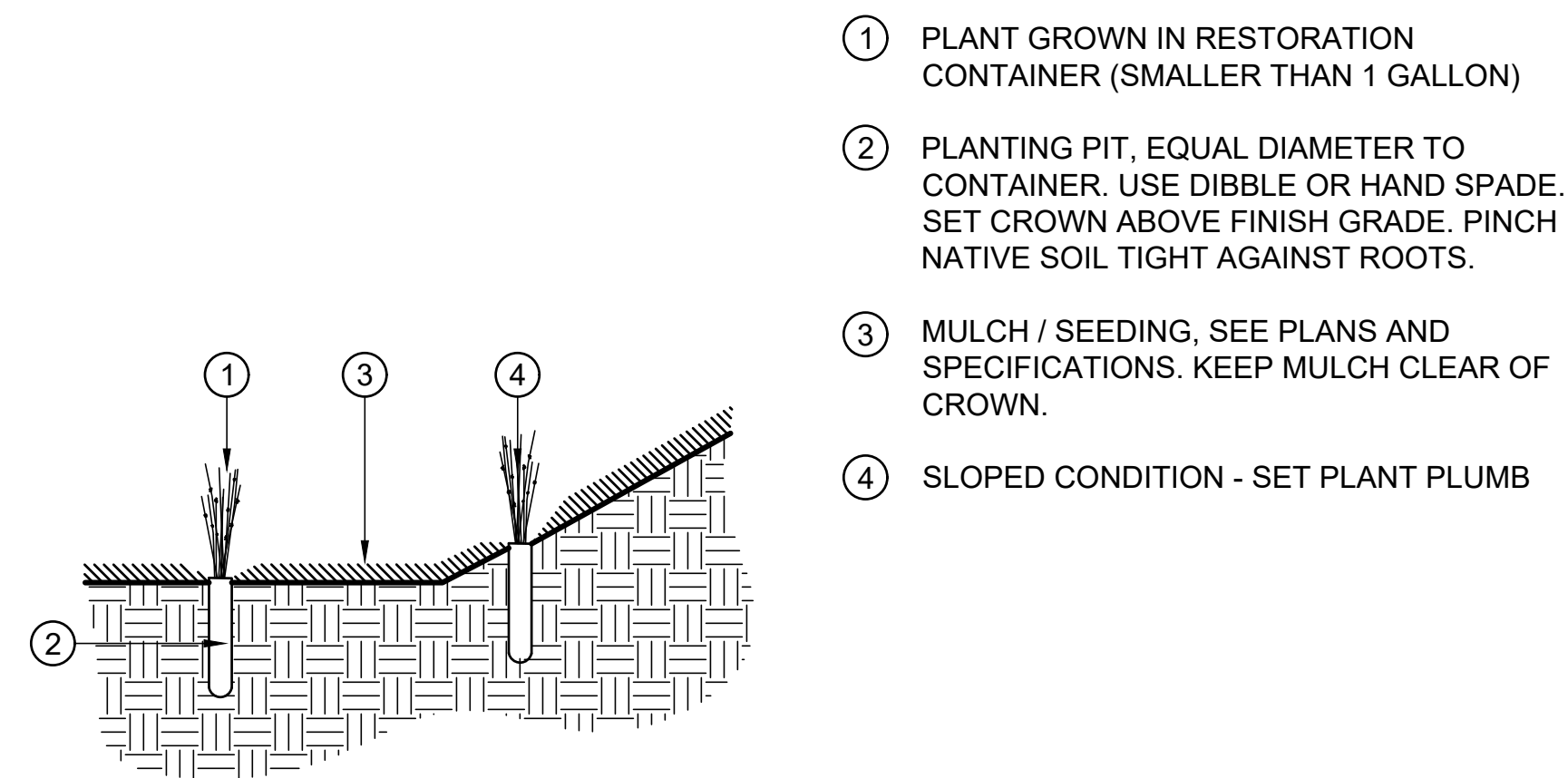
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CHECKED BY: ES
SCALE: AS NOTED
DATE: MAY 22, 2020

**FURNISHINGS
DETAILS**

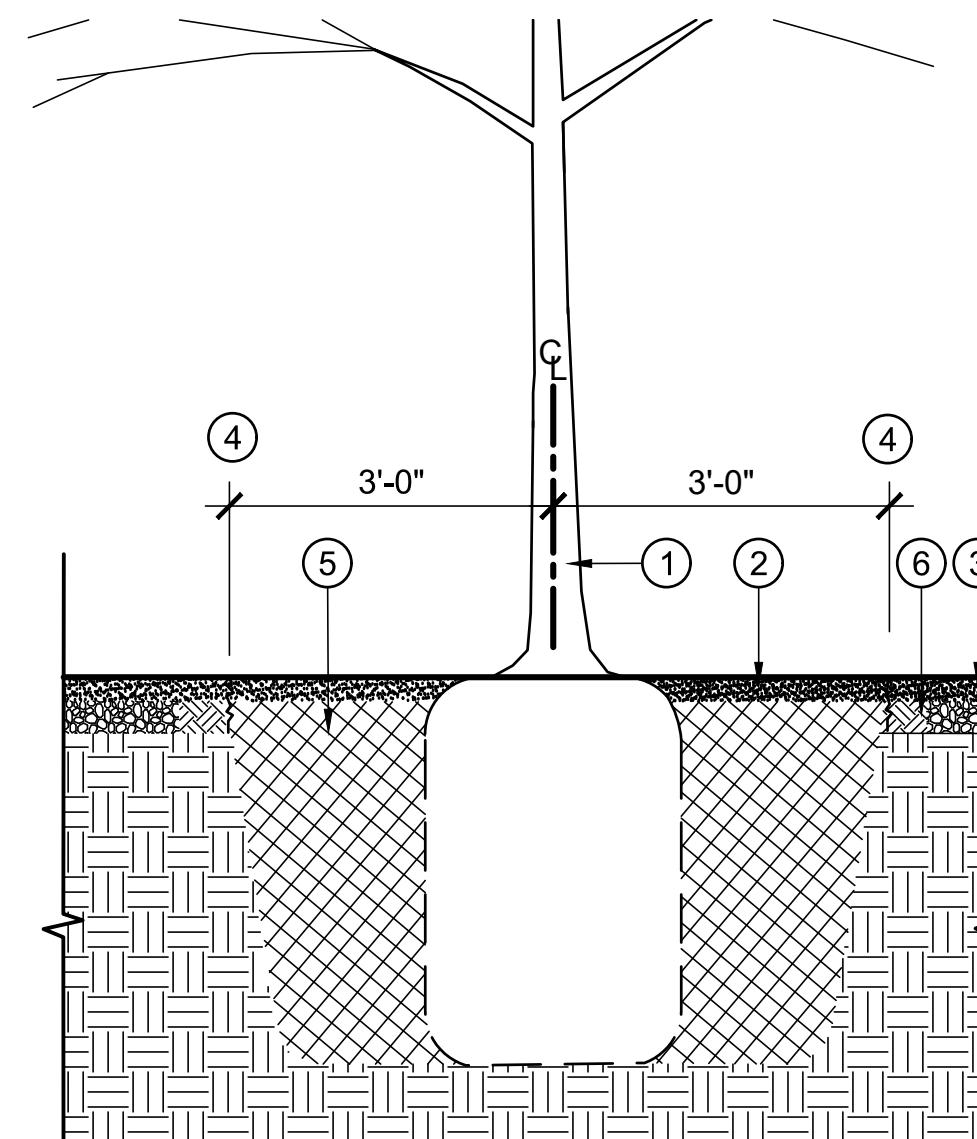
SHEET
L-3.1

S:\PROJECTS\THREE CREEKS PARKWAY\DRAWINGS\DETAILS\LANDSCAPE SET.DWG PLOTTED ON: 5/22/2020



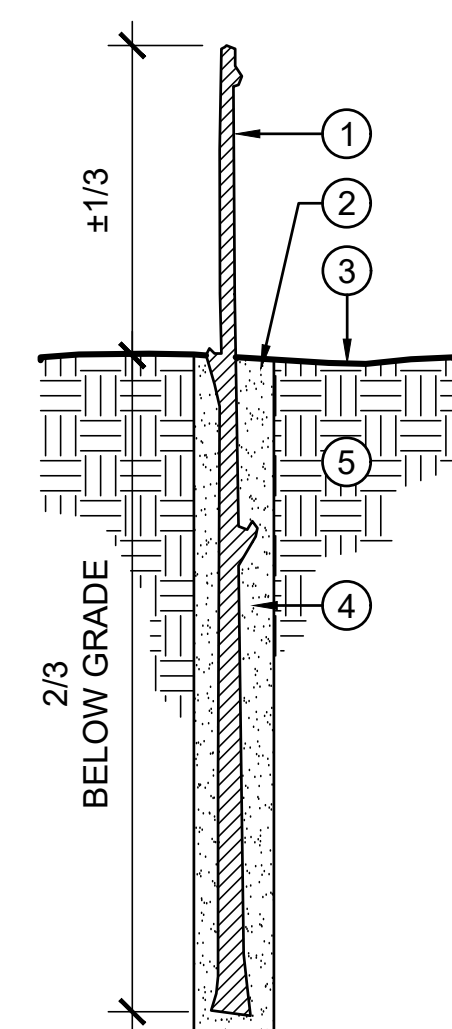
- ① PLANT GROWN IN RESTORATION CONTAINER (SMALLER THAN 1 GALLON)
- ② PLANTING PIT, EQUAL DIAMETER TO CONTAINER. USE DIBBLE OR HAND SPADE. SET CROWN ABOVE FINISH GRADE. PINCH NATIVE SOIL TIGHT AGAINST ROOTS.
- ③ MULCH / SEEDING. SEE PLANS AND SPECIFICATIONS. KEEP MULCH CLEAR OF CROWN.
- ④ SLOPED CONDITION - SET PLANT PLUMB

1 PLANT - SMALL
SCALE: NTS



- ① BOSQUE TREE AT DAINTY TRIANGLE, SEE PLANS
- ② DECOMPOSED GRANITE MULCH (3/8" WITH FINES SIFTED OUT) TAPERS FROM 4" DEEP AT EDGE OF ROOTBALL TO 0" DEEP AT CROWN.
- ③ BEYOND 6" Ø, DECOMPOSED GRANITE PER DETAIL 6/L-3.1 EVENLY BLEND MULCH INTO PAVING SO THAT NO LINE IS APPARENT.
- ④ NO STABILIZER TO BE USED WITHIN 3' RADIUS OF TREE
- ⑤ AMENDED PLANTING SOIL PER SOILS REPORT, SEE SPECS
- ⑥ EARTHEN SHOULDER AT EDGE OF BASE COURSE. COMPACT TO 90% TO PREVENT MIGRATION

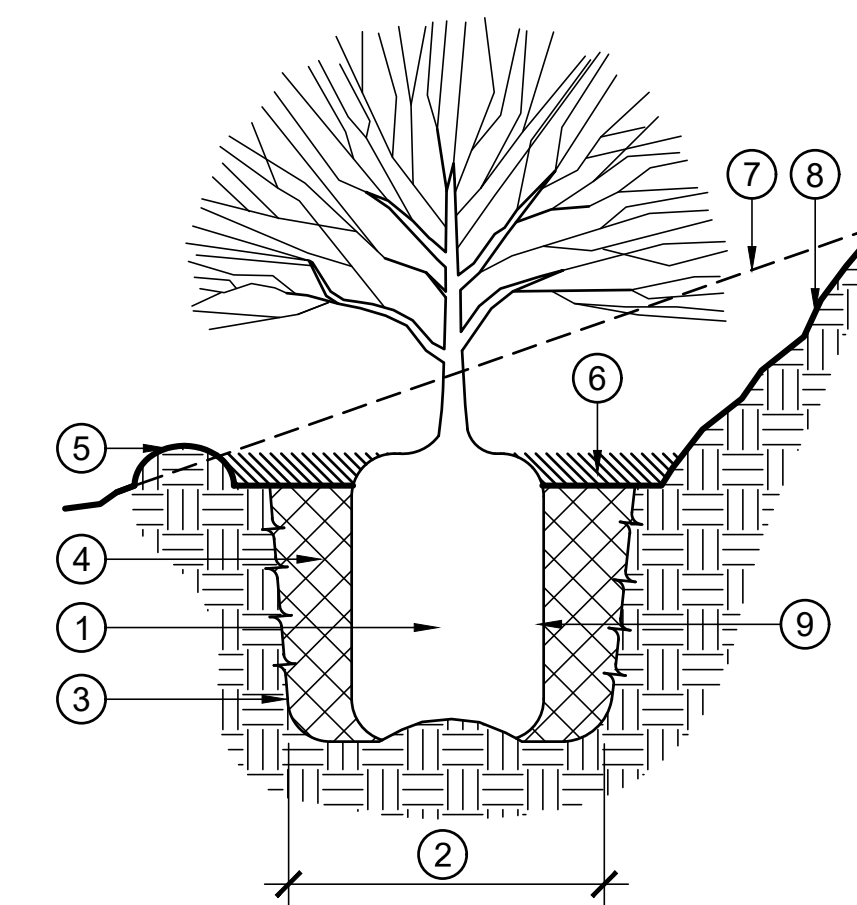
3 TREE IN DECOMPOSED GRANITE (DAINTY PARK)
SCALE: NTS



- ① WILLOW / COTTONWOOD CUTTING
- ② PILOT HOLE, DRILLED 1" DIAMETER LARGER THAN POLE DIAMETER
- ③ FINISH GRADE, FABRIC OR SEEDING
- ④ NATIVE SOIL, VOID OF AIR POCKETS. SEE SPECIFICATIONS
- ⑤ SUBGRADE

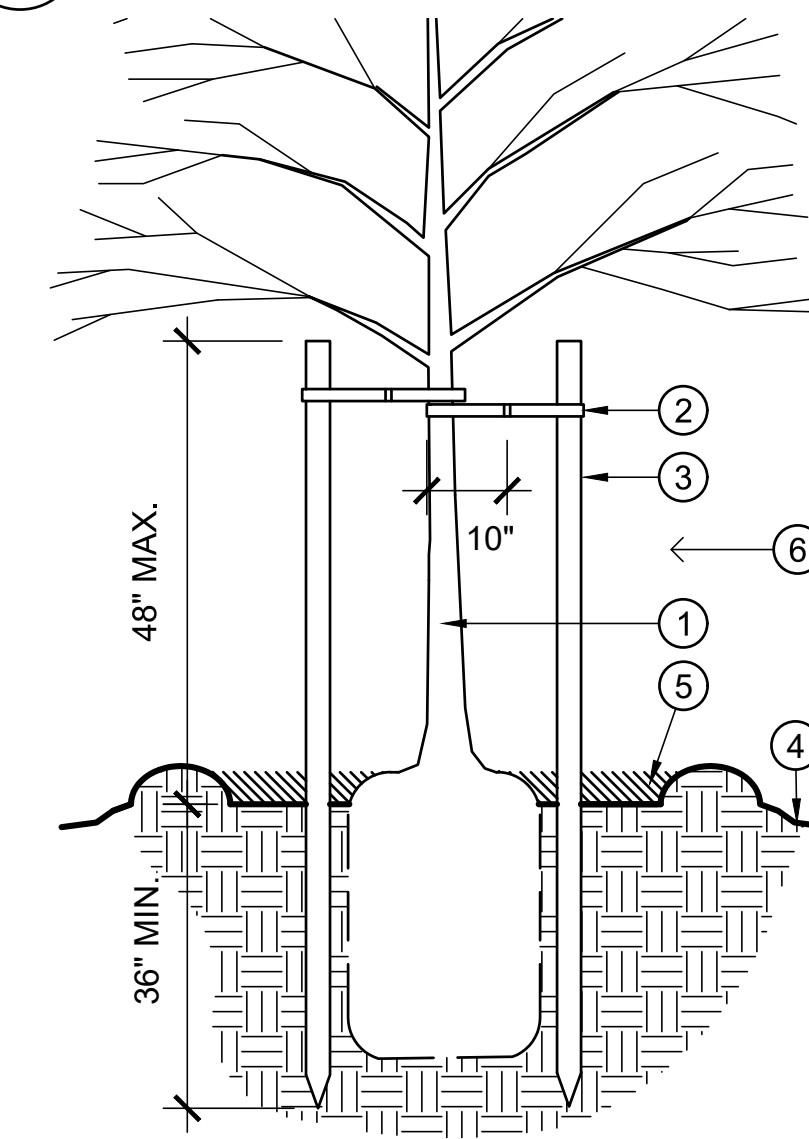
NOTE:
SET ALL POLES PERPENDICULAR TO FINISH GRADE AND MINIMUM 2' APART. INSTALL WITH IRREGULAR SPACING (TO MIMIC NATURALISTIC OCCURRENCE).

5 LIVE CUTTING
SCALE: NTS



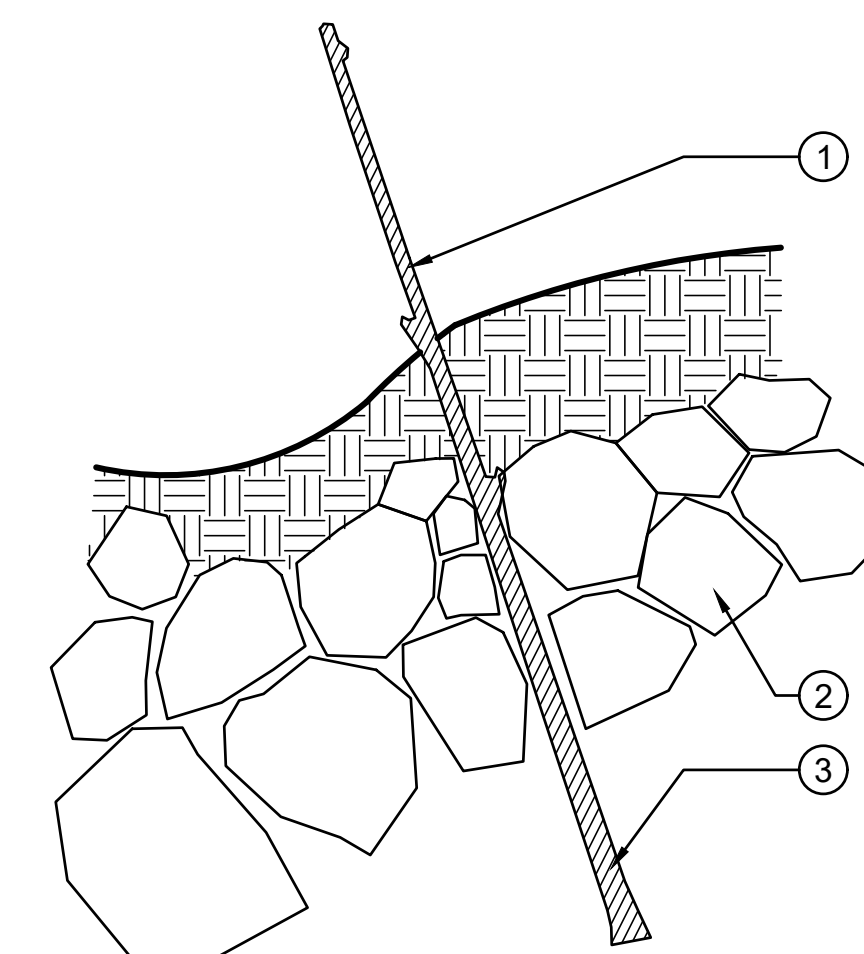
- ① TREE OR SHRUB ROOTBALL (1 GALLON OR LARGER). SET CROWN 1-2" ABOVE FINISHED GRADE
- ② PIT DIAMETER, TWO TIMES THE ROOTBALL DIAMETER. EXCAVATE PIT 2" SHALLOWER THAN CONTAINER, DEEPER BEYOND ROOTBALL. PLACE ROOTBALL ON CENTER MOUND AS SHOWN.
- ③ EDGE OF PIT, FRACTURE & SCARIFY.
- ④ NATIVE SOIL, BACKFILLED. HAND COMPACT IN 6" LIFTS
- ⑤ WATERING BASIN LIP, 4" HEIGHT. DOWN SLOPE EDGE ONLY IN SLOPED CONDITION; COMPLETE PERIMETER IN LEVEL CONDITION
- ⑥ MULCH
- ⑦ ORIGINAL GRADE, SLOPED CONDITION
- ⑧ FINISHED GRADE, SLOPED CONDITION
- ⑨ ROOT GUARD, NOT SHOWN, SEE SPECS

2 PLANT - LARGE
SCALE: NTS



- ① 15 GALLON CONTAINER TREE
- ② ARBUTIE TREE TIES (2), W/ 10" WIDE LOOPS AROUND TRUNK. SECURE ARBUTIES 4" MIN FROM TOP OF STAKES. DIRECTION AND APPROVAL OF INSTALLATION BY O.R.
- ③ TREE STAKES, SET VERTICAL OUTSIDE ROOTBALL. KEEP TOP OF STAKES 6" MIN CLEAR OF LIMBS. SET IN LINE WITH CREEK FLOW DIRECTION.
- ④ FINISH GRADE
- ⑤ MULCH
- ⑥ CREEK FLOW DIRECTION

4 TREE STAKING
SCALE: NTS

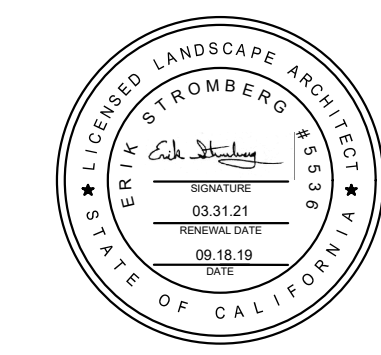


- ① COTTONWOOD LONG POLE, USE AUGER OR SIMILAR TO INSTALL THROUGH RIPRAP
- ② RIPRAP, BURIED DEPTH VARIES. 1 FT MIN.
- ③ ENSURE POLE EMBEDS INTO NATIVE SOIL BELOW RIPRAP, 1.5 FT MIN.

6 LONG POLE IN RIPRAP
SCALE: NTS

REVISIONS	
DATE	DESCRIPTION

**THREE CREEKS PARKWAY
RESTORATION PROJECT
LANDSCAPE SET**



BID SET

Restoration Design Group, Inc.
2332 5th Street, Suite C
Berkeley, CA 94710
T: 510.644.2798 F: 510.644.3799
www.restorationdesigngroup.com

DESIGN BY ES / AS / LN

DRAWN BY ES / KB / PR

CHECKED BY ES

SCALE AS NOTED

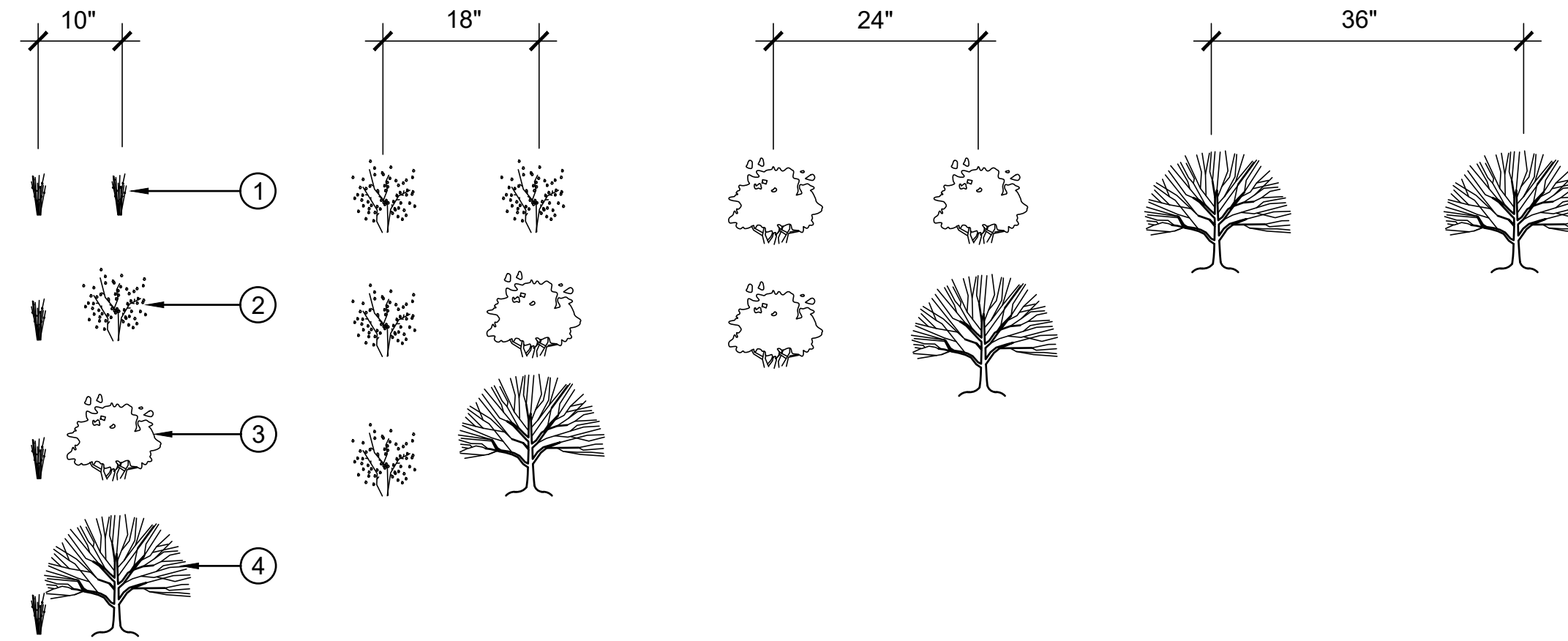
DATE MAY 22, 2020

**PLANTING
DETAILS**

SHEET

L-3.2

S:\PROJECTS\THREE CREEKS\PAU\TOCAD\WORKING DRAWINGS\DETAILS\LANDSCAPE SET.DWG PLOTTED ON: 5/22/2020

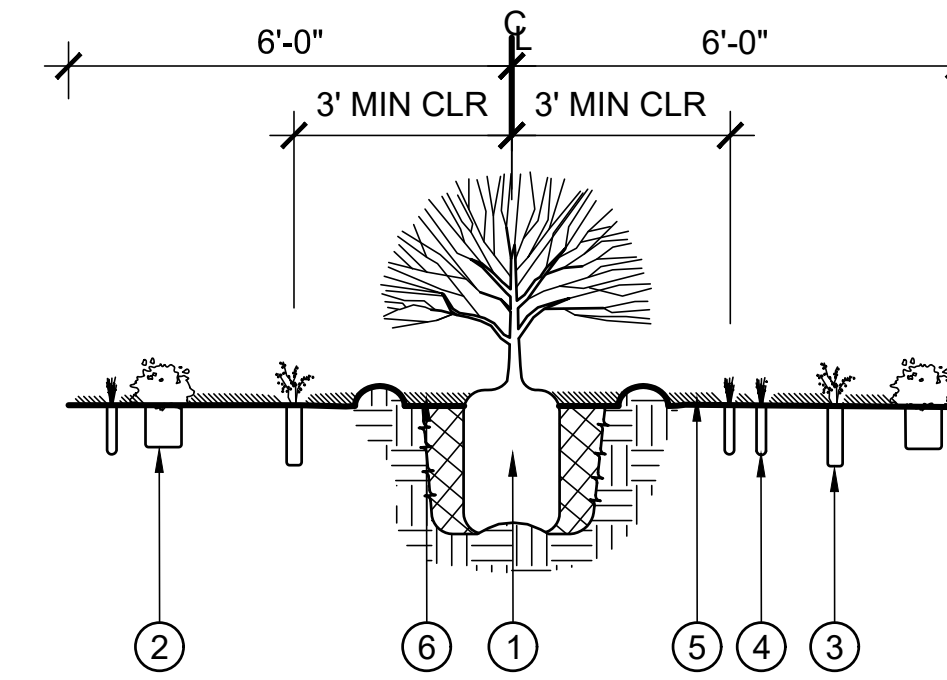
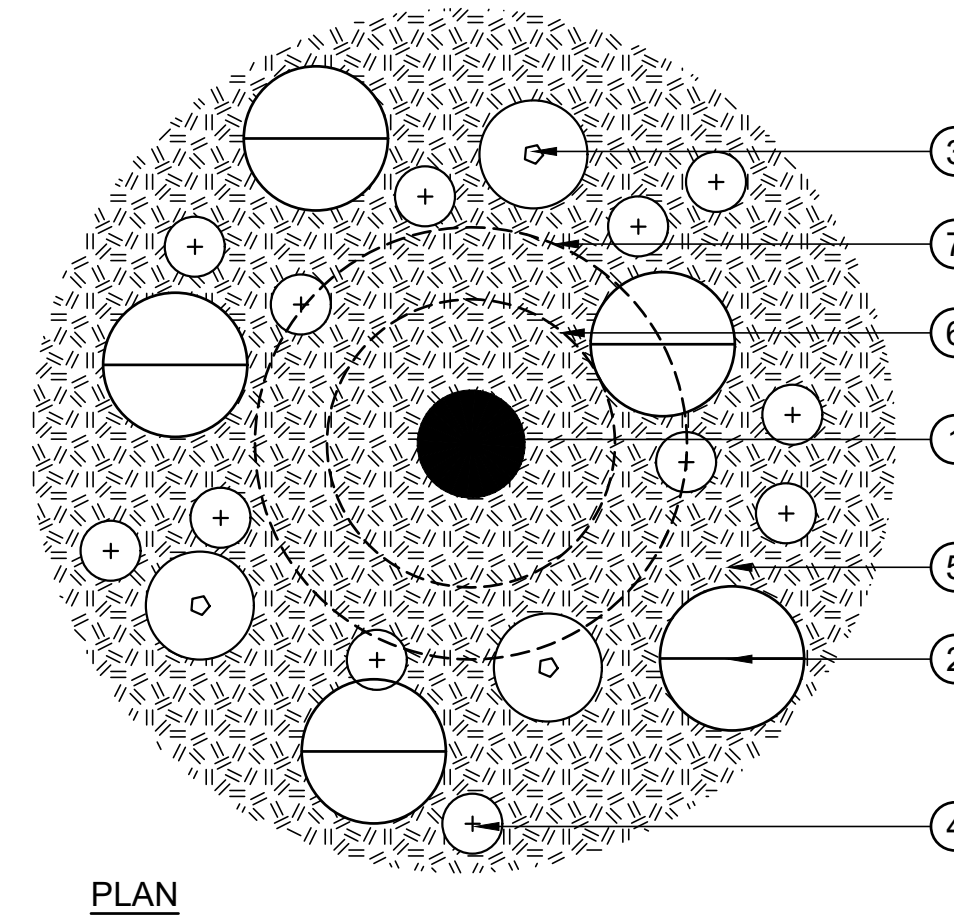


- ① GRASS / PERENNIAL: MAINTAIN DISTANCE OF 10" O.C.
- ② MEDIUM SHRUB: MAINTAIN DISTANCE OF 18" O.C.
- ③ LARGE SHRUB: MAINTAIN DISTANCE OF 24" O.C.
- ④ TREE: MAINTAIN DISTANCE OF 36" O.C

NOTE:
MAINTAIN MINIMUM DISTANCE NOTED BETWEEN PLAN OF LIKE OR LARGER SIZE

1 SPACING DIAGRAM

SCALE: NTS

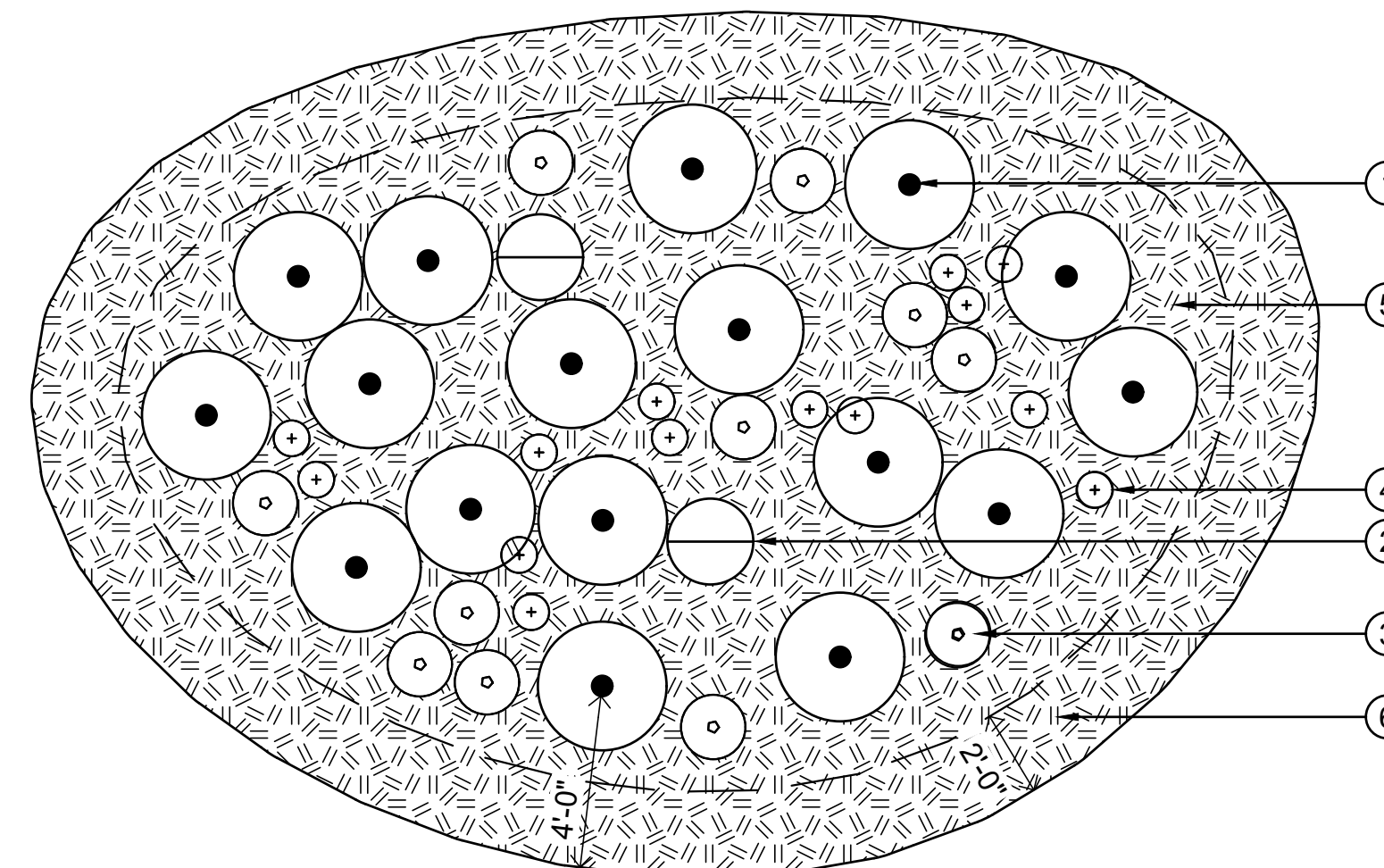


- ① 15 GALLON TREE, SEE DETAIL 2 / L-3.2
- ② LARGE SHRUB
- ③ MEDIUM SHRUB
- ④ SMALL GRASS / FORBS
- ⑤ MULCHED PLANTING AREA, 12' DIAMETER
- ⑥ WATERING BASIN
- ⑦ CLEAR ZONE, ALL SHRUB TYPES PLACED MIN 3' FROM TREE TRUNK ON CENTER

- NOTES:**
1. 15 GALLON TREES SHALL BE PLANTED 10' MIN FROM EDGE OF PATH, SEE PLANS.
 2. PLANTS SHALL BE CLUSTERED RANDOMLY WITHIN PLANTING AREA.
 3. SEE DETAIL 1 / L-3.3 FOR SPACING RULES.
 4. SHRUB TYPE AND COUNT VARIES PER TREE SPECIES.

2 15 GALLON TREE PLANTING TYPICAL

SCALE: NTS



- ① TREE / LIVE CUTTING
- ② LARGE SHRUB
- ③ MEDIUM SHRUB
- ④ SMALL GRASSES / FORBS
- ⑤ MULCH
- ⑥ MULCH BUFFER

- NOTES:**
1. PLANTS SHALL BE CLUSTERED RANDOMLY WITHIN PATCHES.
 2. KEEP ALL PLANT ROOTBALLS 2'-0" CLEAR FROM PATCH EDGE
 3. WHERE PATCH ADJACENT TRAIL, TREE CENTERS AT 4' MINIMUM OFFSET FROM SHOULDER OF TRAIL
 4. SEE DETAIL 1/ L-3.3 FOR INTERNAL PATCH SPACING RULES.
 5. TOTAL PLANT COUNT VARIES PER PATCH TYPE CODE, SEE PATCH SCHEDULES FOR APPROPRIATE PLANTING YEAR.

3 PATCH LAYOUT TYPICAL

SCALE: NTS

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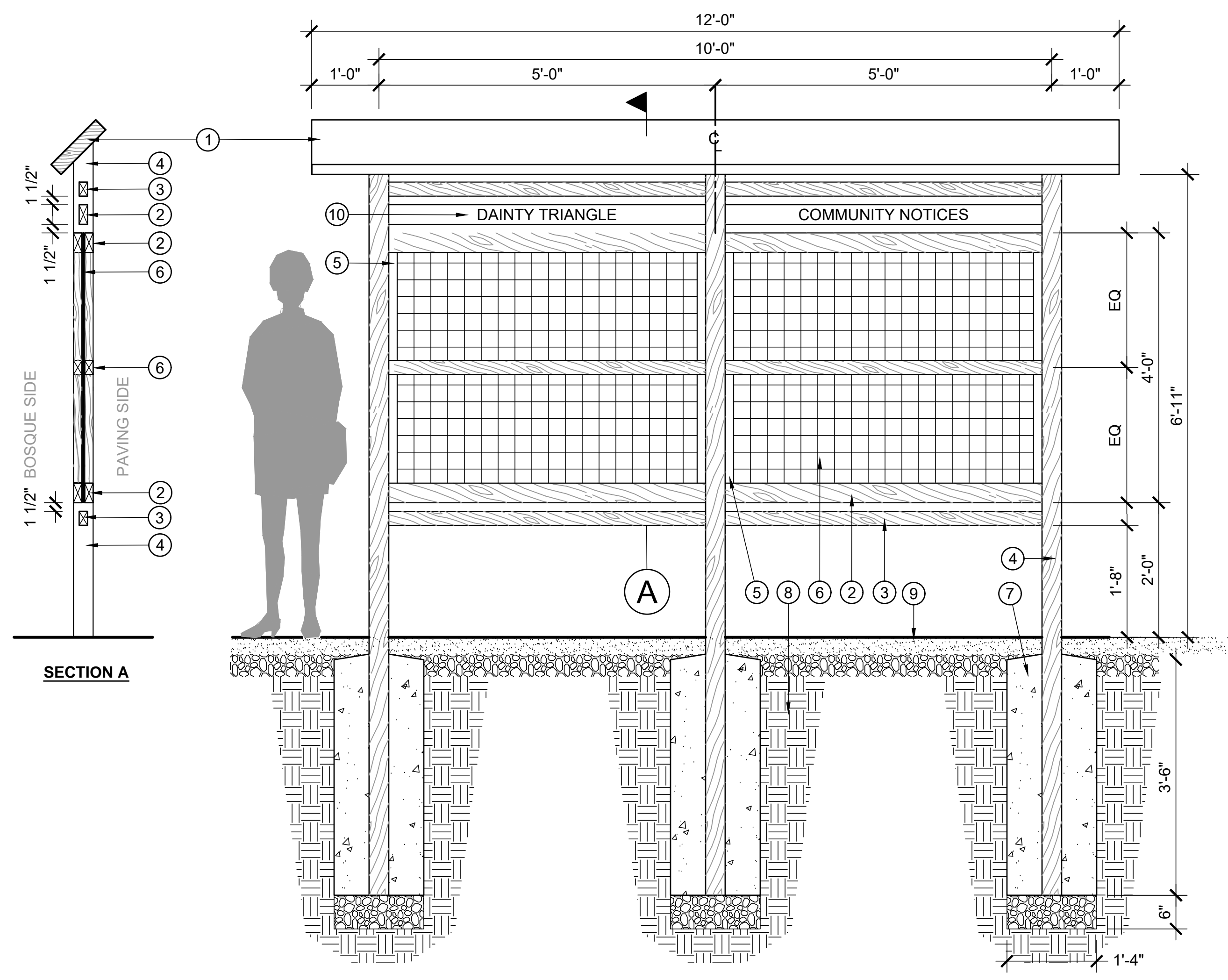
SCALE AS NOTED

DATE MAY 22, 2020

PLANTING DETAILS

SHEET

L-3.3



NOTES:
 1. FOR FINISHES, SEE SPECS
 2. ALL FASTENERS TO BE SS OR HOT DIPPED GALVANIZED

- ① 3X12 CAP
- ② 2X4 HORIZONTAL STRINGER, SANDWICH METAL MESH
- ③ 2X3 RAIL
- ④ 4X4 POST
- ⑤ 2X2 VERTICAL CLOSURE PIECE, SANDWICH METAL MESH
- ⑥ 3"x3" GALVANIZED WELDED WIRE MESH, 1/4" WIRE
- ⑦ CONCRETE POST FOOTING, SEE 3/L-3.1
- ⑧ SUBGRADE
- ⑨ DECOMPOSED GRANITE PAVING
- ⑩ TITLE PAINTING PER CITY OF BRENTWOOD SIGNAGE PLAN (COLOR, SIZE, FONT) OR PER O.R. DIRECTION

1 COMMUNITY NOTICE BOARD (ADD BID NO. 5)
 SCALE: NTS

REVISIONS	
DATE	DESCRIPTION

THREE CREEKS PARKWAY RESTORATION PROJECT LANDSCAPE SET



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CHECKED BY: ES

SCALE: AS NOTED

DATE: MAY 22, 2020

NOTICE BOARD DETAILS

SHEET

L-3.4

S:\PROJECTS\THREE CREEKS PARKWAY\DRAWING\LANDSCAPE\DETAILS\LANDSCAPE SET.DWG PLOTTED ON: 5/22/2020

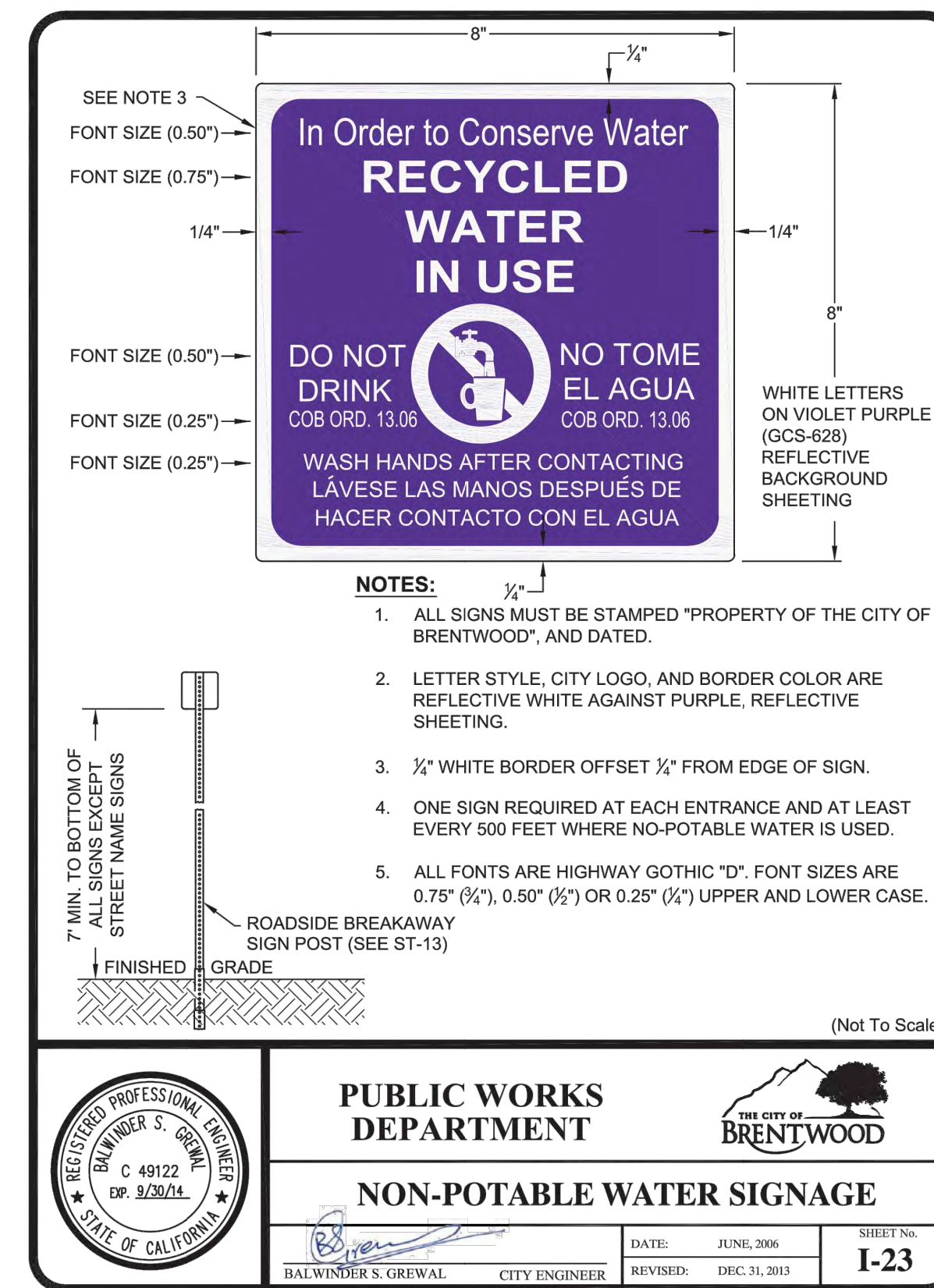
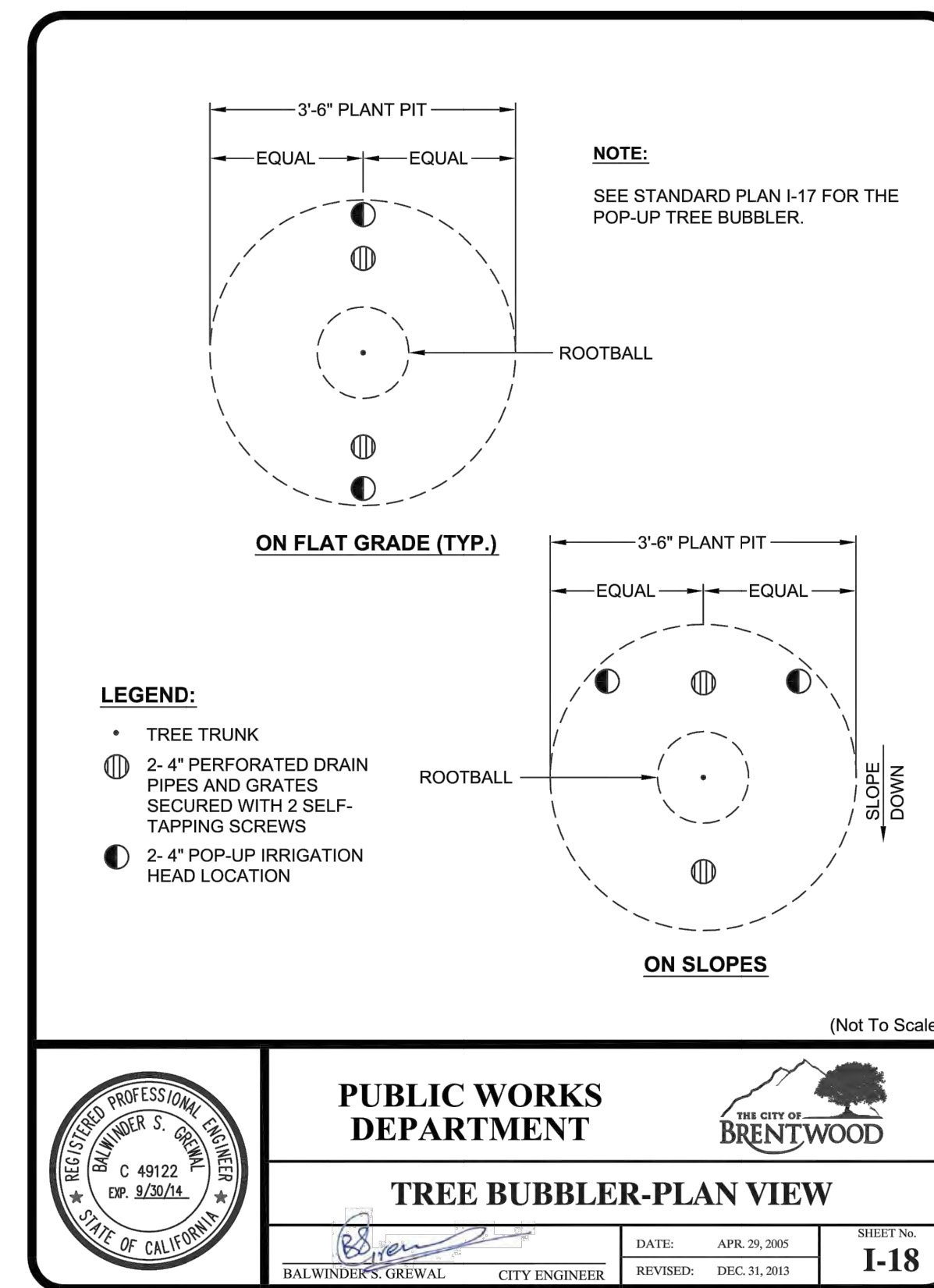
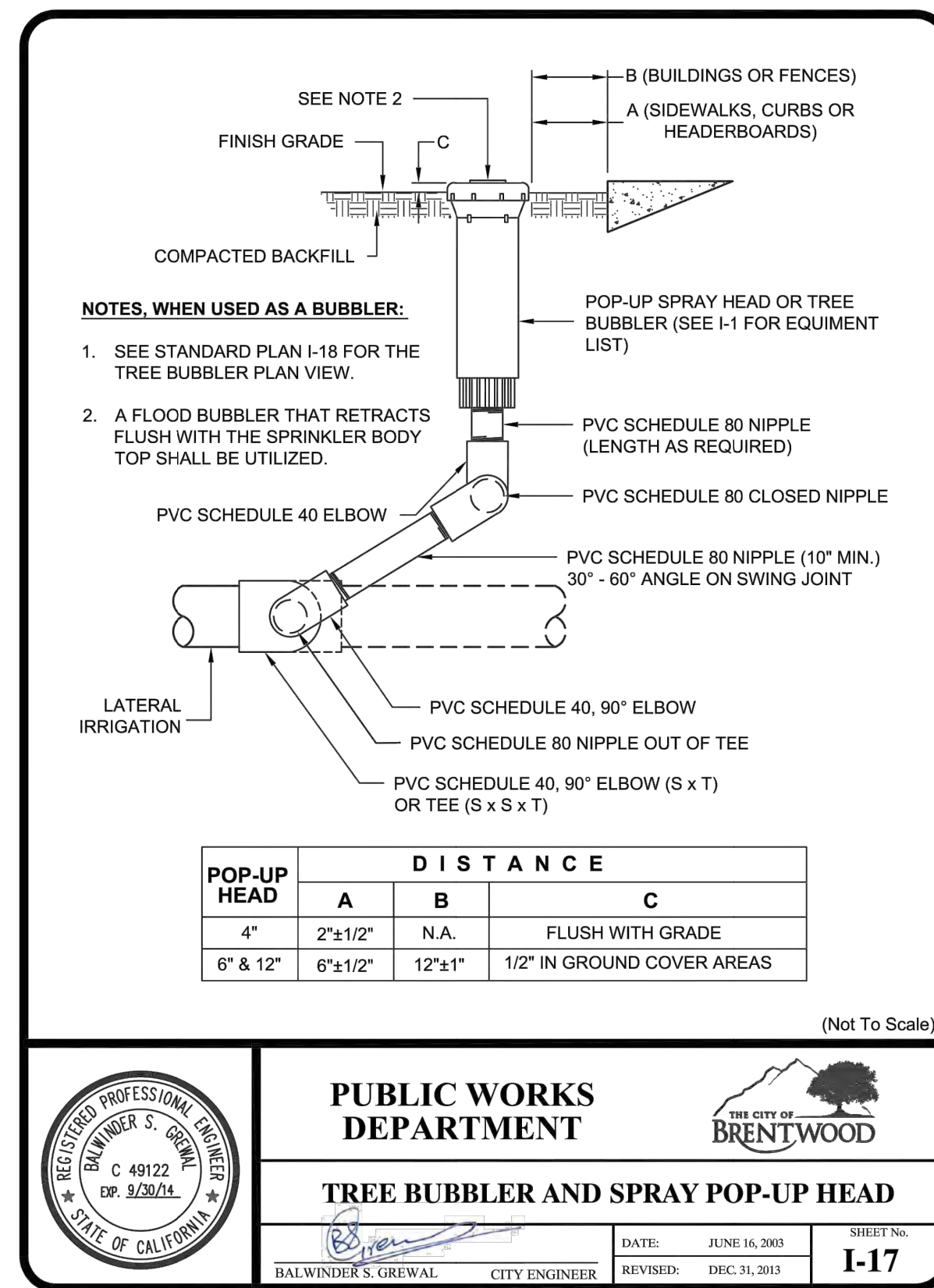
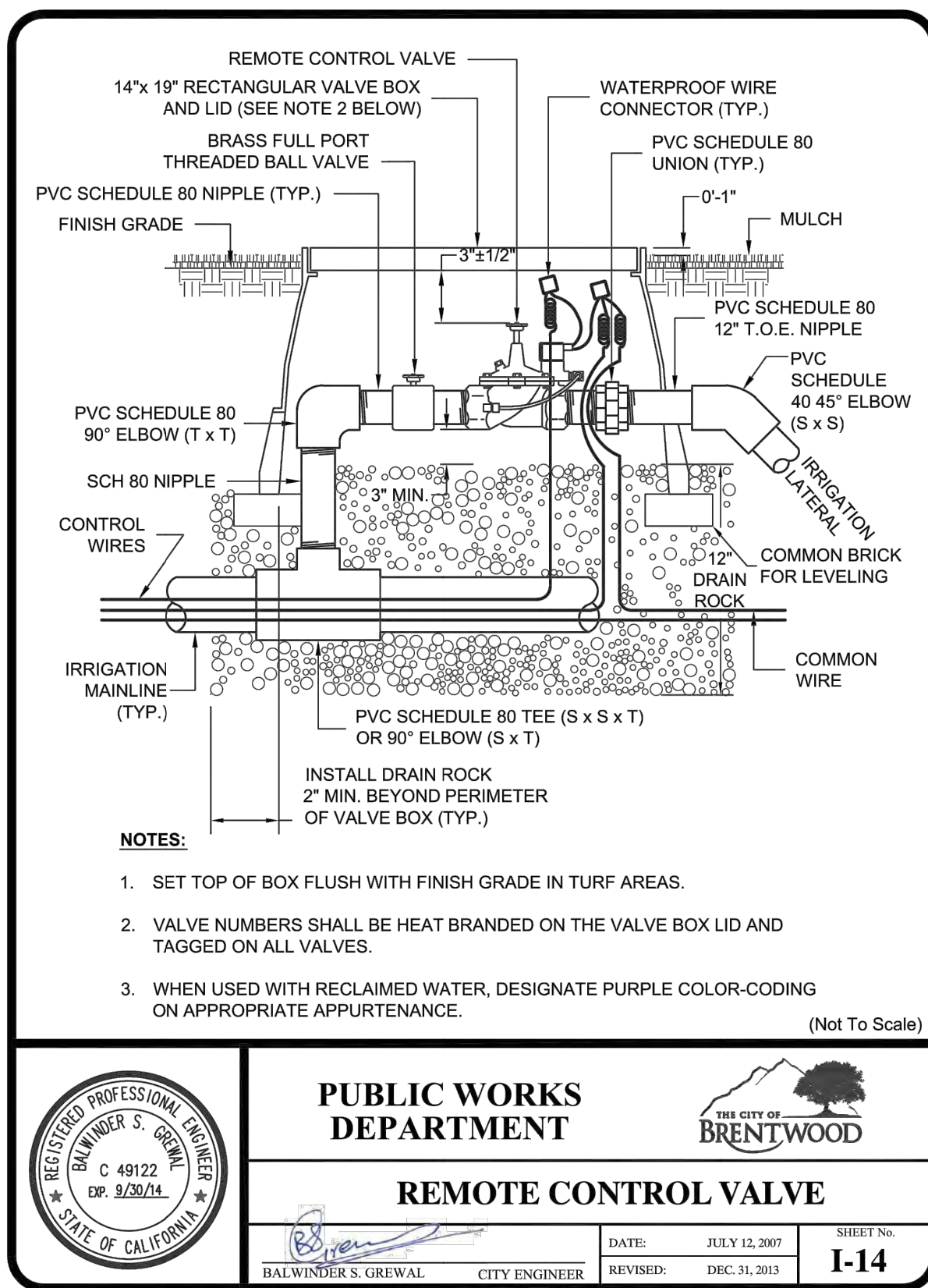
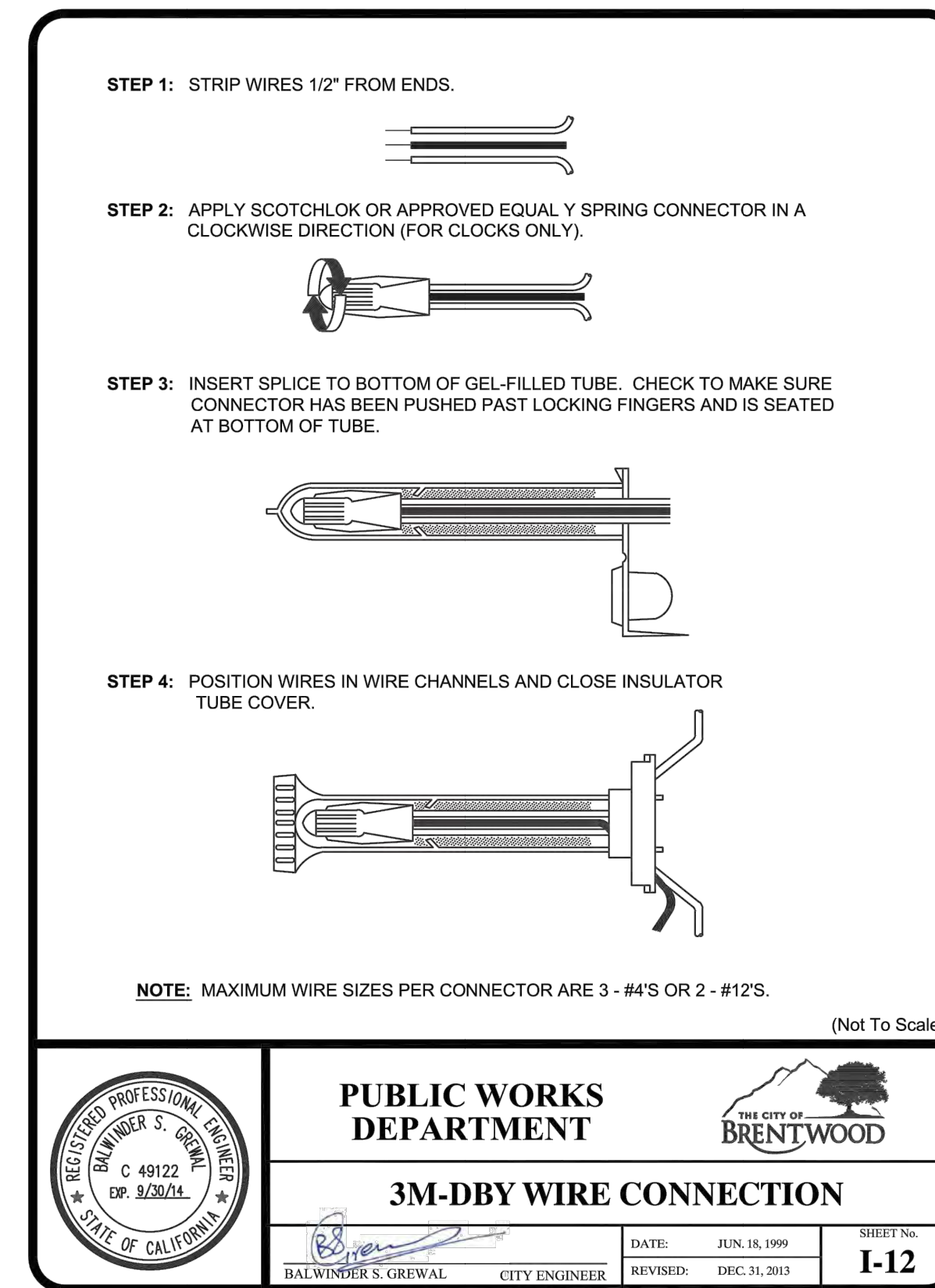
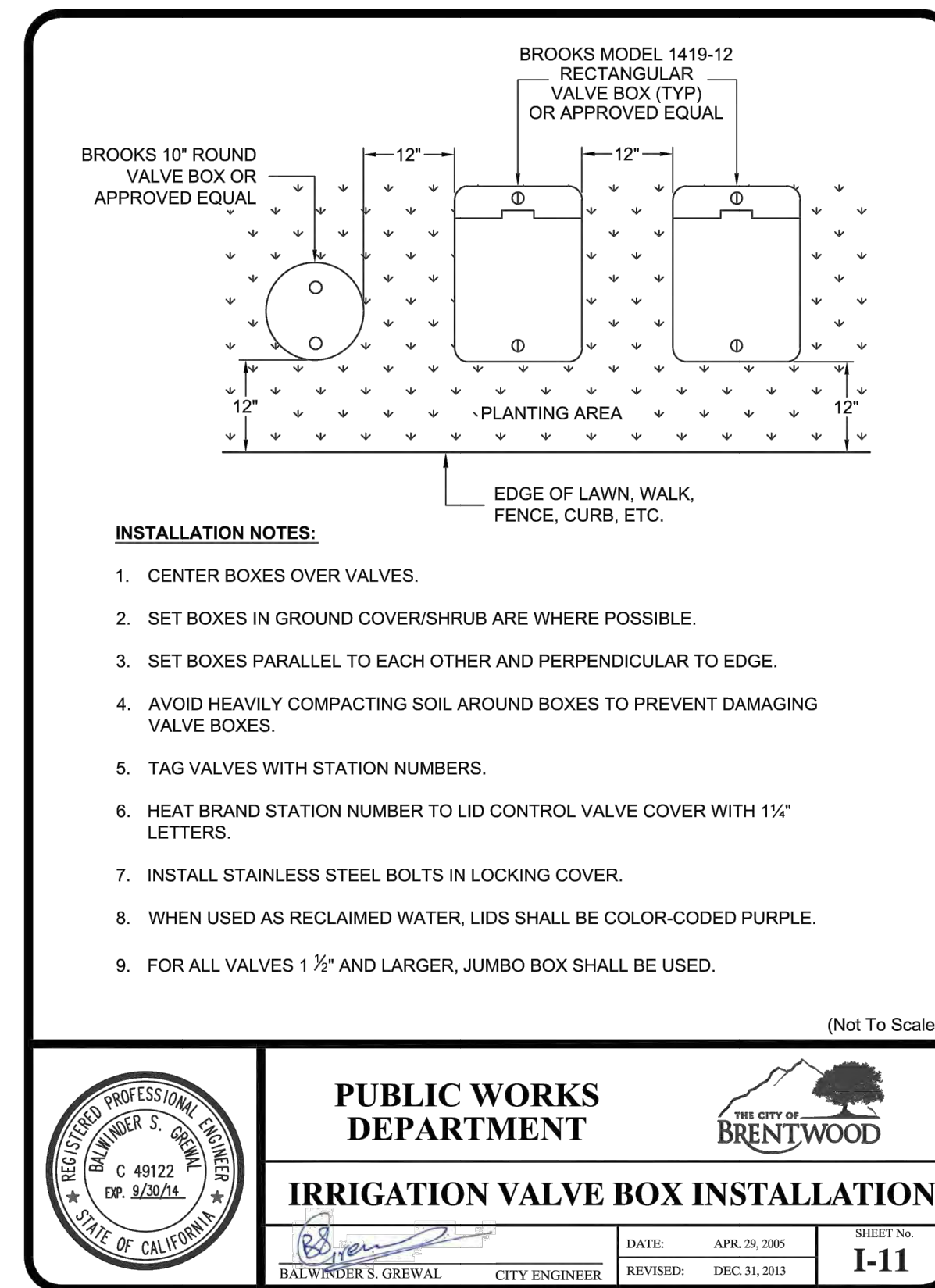
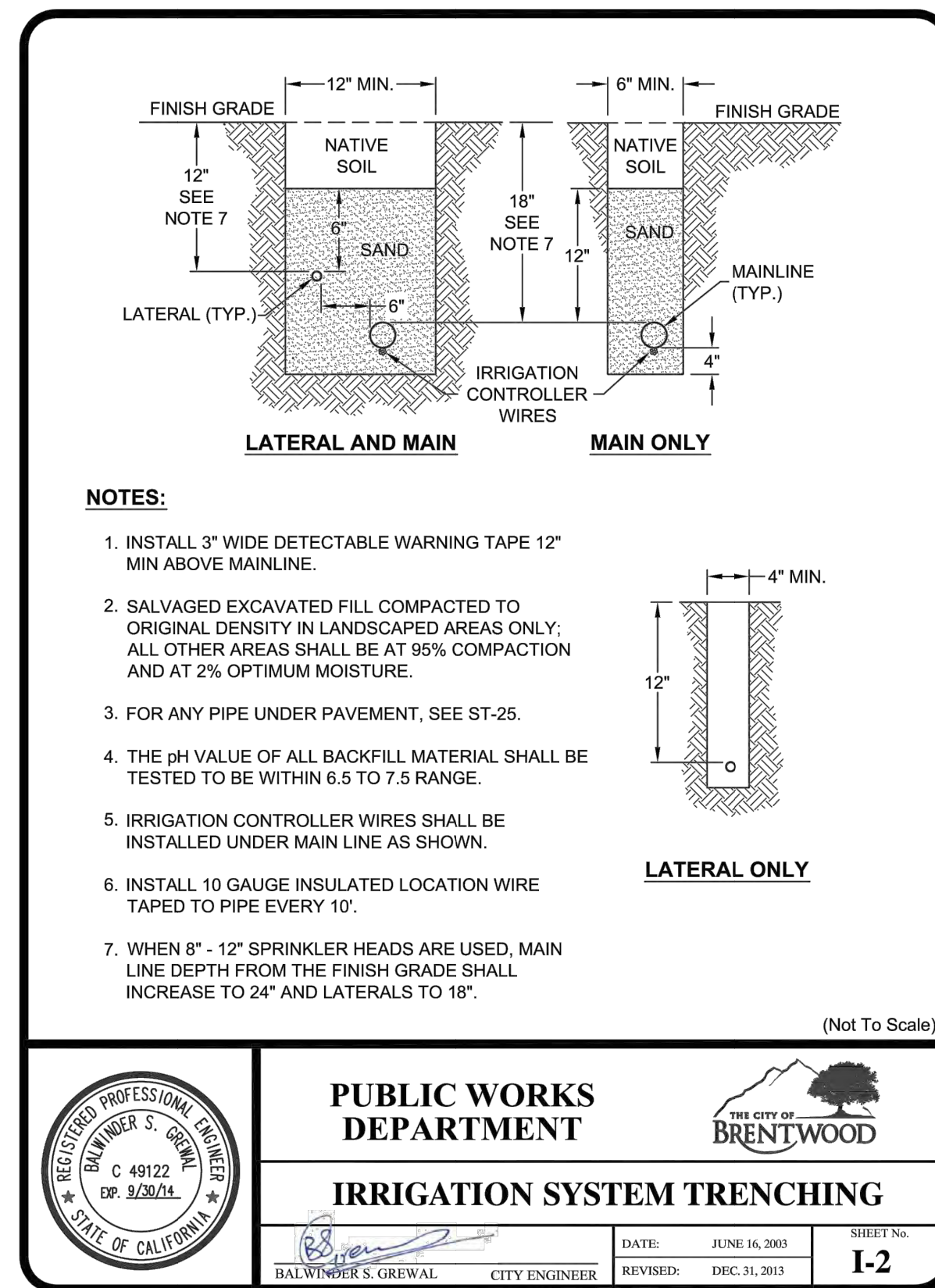
ITEM	MANUFACTURER/MODEL (OR APPROVED EQUAL)
BACKFLOW PREVENTER	FEBCO 825Y-BV
GATE VALVE	NIBCO 619 RW
BALL VALVE	BRASS OR SCH 80 PVC TRUE UNION TYPE
QUICK COUPLING VALVE	44 RLC (RECLAIMED WATER USE), RAINBIRD 44NP 1"
PRESSURE REDUCING VALVE	WILKINS
REMOTE CONTROL VALVE	RAINBIRD PEB SERIES OR EFB-CP SERIES
VALVE BOXES IN PLANTING AREAS WITH STAINLESS STEEL LOCK-DOWN BOLTS	BROOKS 1419-12
GATE & QC VALVE BOX	BROOKS 10" ROUND (# 1100 OR # 910)
W/ STAINLESS STEEL LOCK-DOWN BOLTS	
VALVE BOXES IN PAVED AREAS	CHRISTY, B9X WITH C.I. TRAFFIC LID
CONTROLLER	MAXICOM COMPONENT RAINMASTER EVOLUTION (ETS ASSEMBLY)
CONTROLLER ENCLOSURE	TOP ENTRY STRONG BOX -SS
BACKFLOW ENCLOSURE	LEMEUR, GUARD SHACK CGS SERIES OR STRONGBOX (STAINLESS STEEL)
SHRUB STREAM ROTOR	RAINBIRD
POP-UP STREAM ROTOR	RAINBIRD OR TORO
GEAR DRIVEN ROTARY	HUNTER OR TORO
LAWN POP-UP SPRAY	RAINBIRD 1800 (PRS) OR TORO 6" POP-UP
SHRUB POP-UP SPRAY	RAINBIRD 1800 (PRS) OR TORO 6" & 12" POP-UP
BUBBLER	TORO 570 ZPRX (Not To Scale)

PUBLIC WORKS DEPARTMENT
THE CITY OF BRENTWOOD

IRRIGATION EQUIPMENT LIST

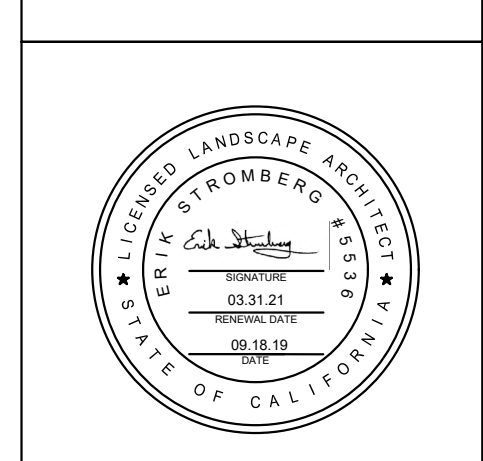
DATE: JUNE 16, 2003
REVISED: DEC. 31, 2013

SHEET No. **I-1**



REVISIONS	
DATE	DESCRIPTION

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CHECKED BY: ES

SCALE: AS NOTED

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IRRIGATION DETAILS

SHEET

L-3.4