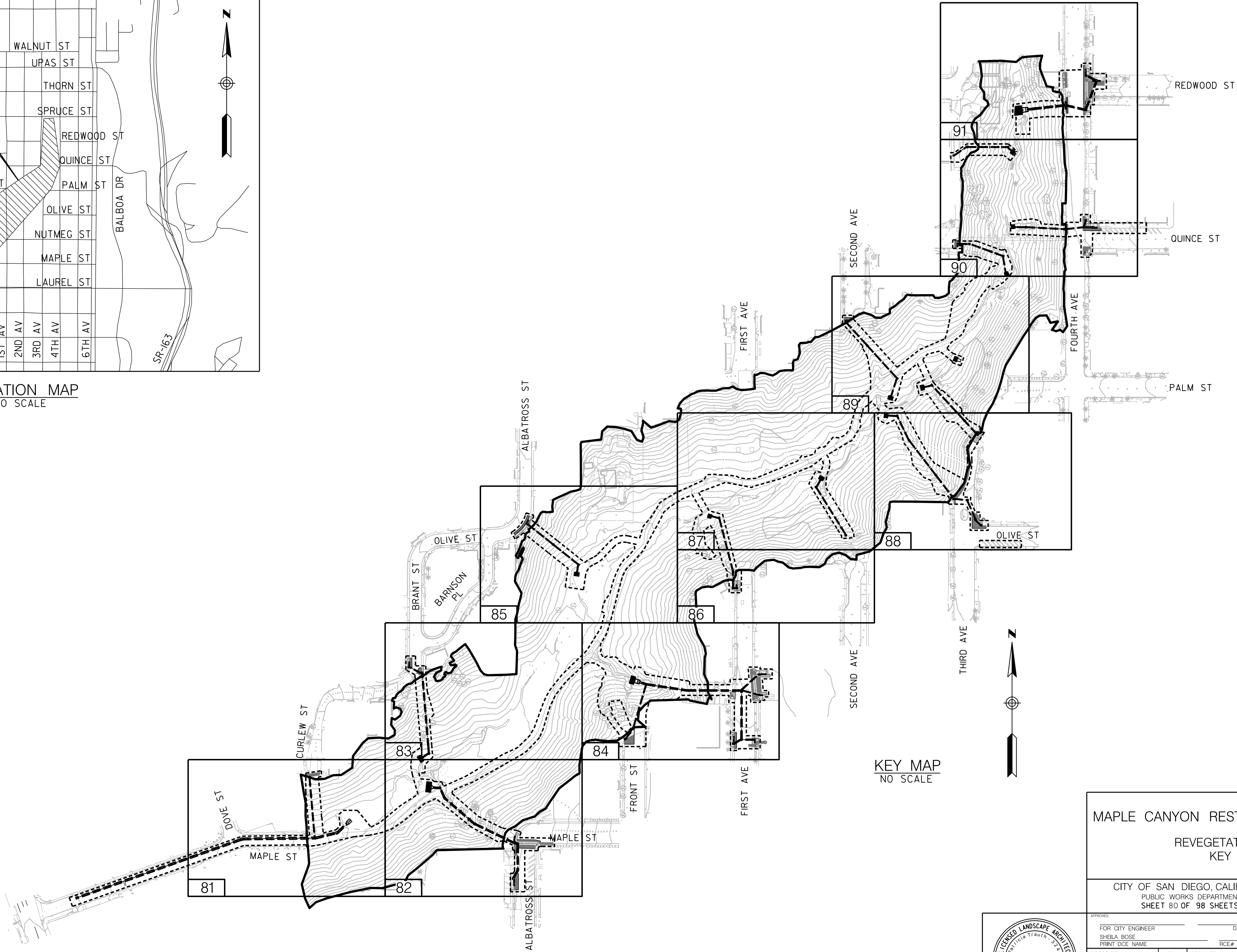


LOCATION MAP
NO SCALE



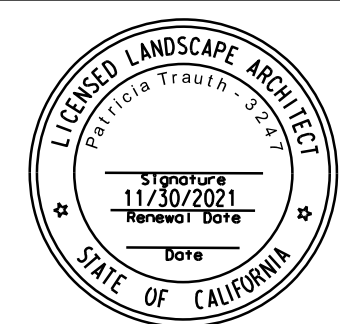
KEY MAP
NO SCALE

L-1

MAPLE CANYON RESTORATION – PHASE 1
REVEGETATION PLAN
KEY MAP

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 80 OF 98 SHEETS

STORM
DRAIN
WBS B-12040

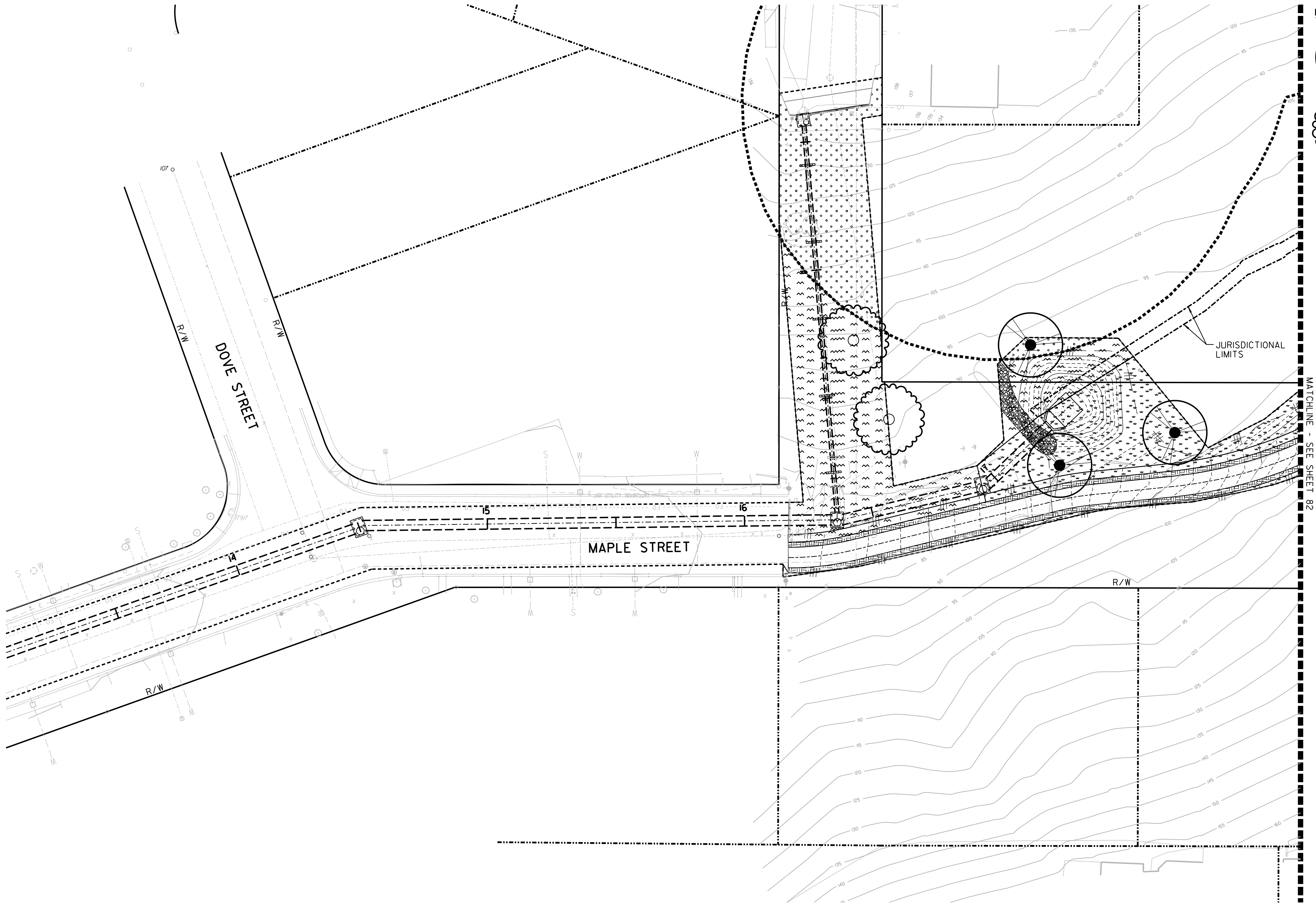


APPROVED: _____ DATE _____
FOR CITY ENGINEER SHEILA BOSE
PRINT DCE NAME RCE#
SUBMITTED BY: ELHAM LOTFI
PROJECT MANAGER
CHECKED BY: BAREAZ PIROMARI
PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	RICK			

206-1719
CCS27 COORDINATE
1846-6276
CCS83 COORDINATE

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____
38321-80-D



PLANT LEGEND

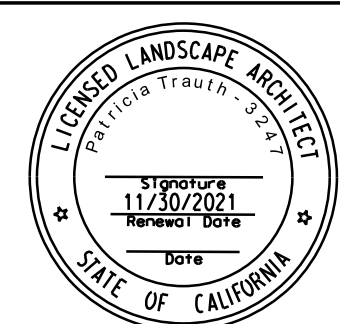
- PLATANUS RACEMOSA
- QUERCUS AGRIFOLIA
- CSS NORTH/EAST-FACING, CONTAINER STOCK & HYDROSEED
- CSS NORTH/EAST-FACING, HYDROSEED ONLY
- CSS SOUTH/WEST-FACING, CONTAINER STOCK & HYDROSEED
- CSS SOUTH/WEST-FACING, HYDROSEED ONLY
- WOOD MULCH
- EARTHEN SURFACE
- OUTER LIMITS OF BMZ 2 (100')

- REVEGETATION GENERAL NOTES**
1. CONTRACTOR SHALL REVIEW PLANTING INSTALLATION DETAILS, NOTES AND SPECIFICATIONS PRIOR TO BEGINNING WORK.
 2. CONTRACTOR SHALL VISIT AND BECOME FAMILIAR WITH CONDITIONS UNDER WHICH WORK SHALL BE DONE PRIOR TO BIDDING.
 3. ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF SAN DIEGO.
 4. CONTRACTOR SHALL NOTIFY THE PROJECT BIOLOGIST OF ANY DISCREPANCIES IN THE EXISTING CONDITIONS OR WITHIN THE PLANS PRIOR TO BEGINNING WORK.
 5. CONTRACTOR SHALL IMMEDIATELY, UPON THE AWARD OF THE CONTRACT, ORDER, LOCATE AND PURCHASE (OR HAVE HELD) ALL PLANT MATERIAL REQUIRED BY THESE PLANS. PLANT MATERIAL SUBSTITUTIONS MAY BE SUGGESTED TO THE PROJECT BIOLOGIST AFTER CONTACTING A MINIMUM OF 6 NURSERY SOURCES, OBTAIN WRITTEN APPROVAL FROM THE PROJECT BIOLOGIST PRIOR TO SUBSTITUTION.
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 7. MATERIAL MAY BE REJECTED BY THE PROJECT BIOLOGIST DUE TO HEALTH FORM OR DAMAGE BEFORE OR AFTER PLANTING.
 8. SEE SHEET 80 FOR REVEGETATION KEY MAP.
 9. SEE SHEET 93 FOR REVEGETATION LEGEND.
 10. ALL SYMBOLS ARE TYPICAL.

L-2

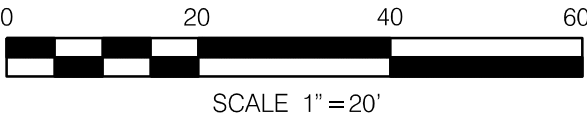
MAPLE CANYON RESTORATION – PHASE 1
REVEGETATION PLAN

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 81 OF 98 SHEETS		STORM DRAIN WBS B-12040
APPROVED: FOR CITY ENGINEER SHEILA BOSE PRINT DCE NAME DATE		SUBMITTED BY: ELHAM LOTFI PROJECT MANAGER
DESCRIPTION ORIGINAL		CHECKED BY: BAREAZ PIROMARI PROJECT ENGINEER
BY RICK		206-1719 CCS27 COORDINATE
APPROVED		1846-6276 CCS83 COORDINATE
DATE		38321- 81 -D
FILMED		
DATE STARTED		
DATE COMPLETED		



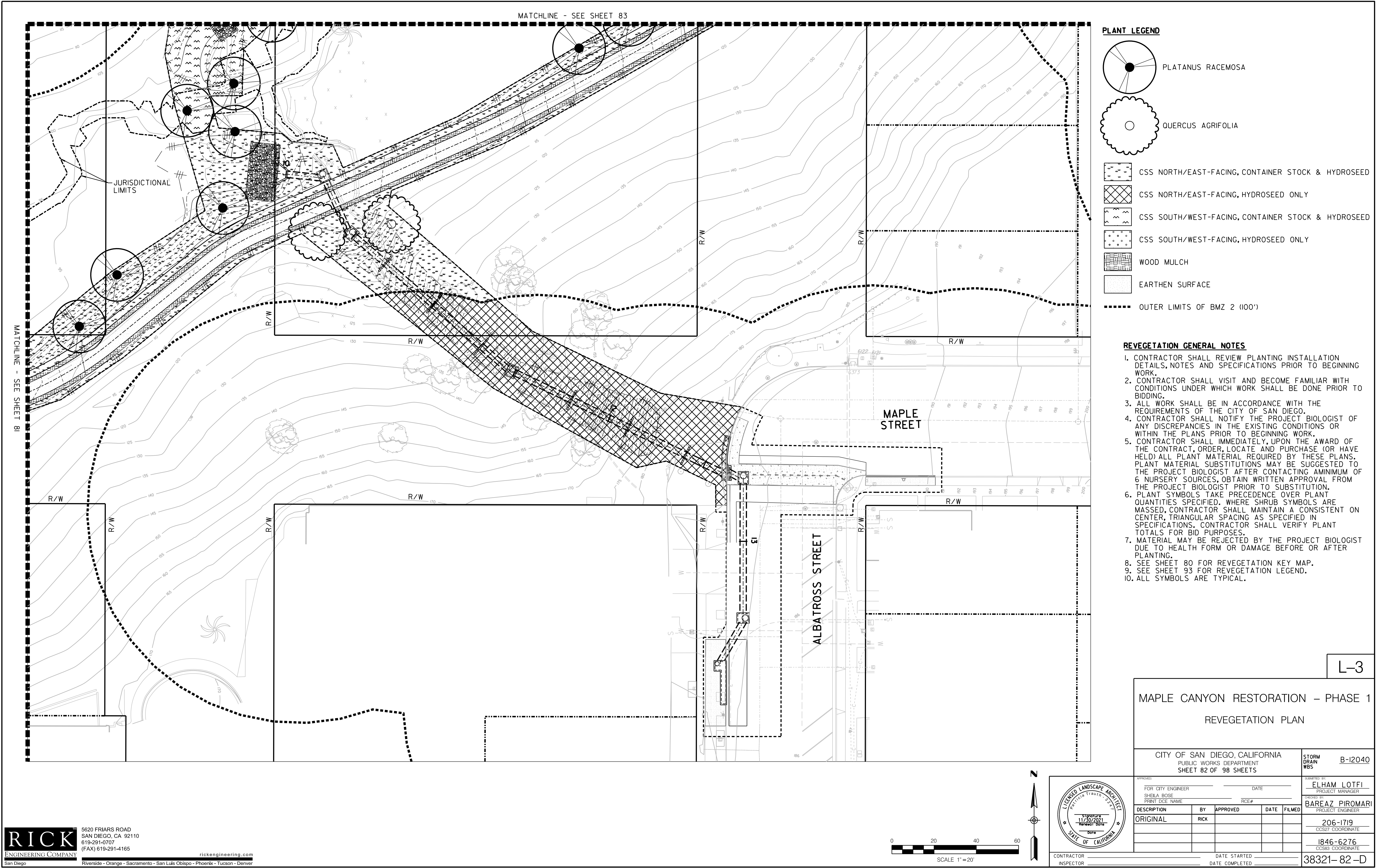
CONTRACTOR
INSPECTOR

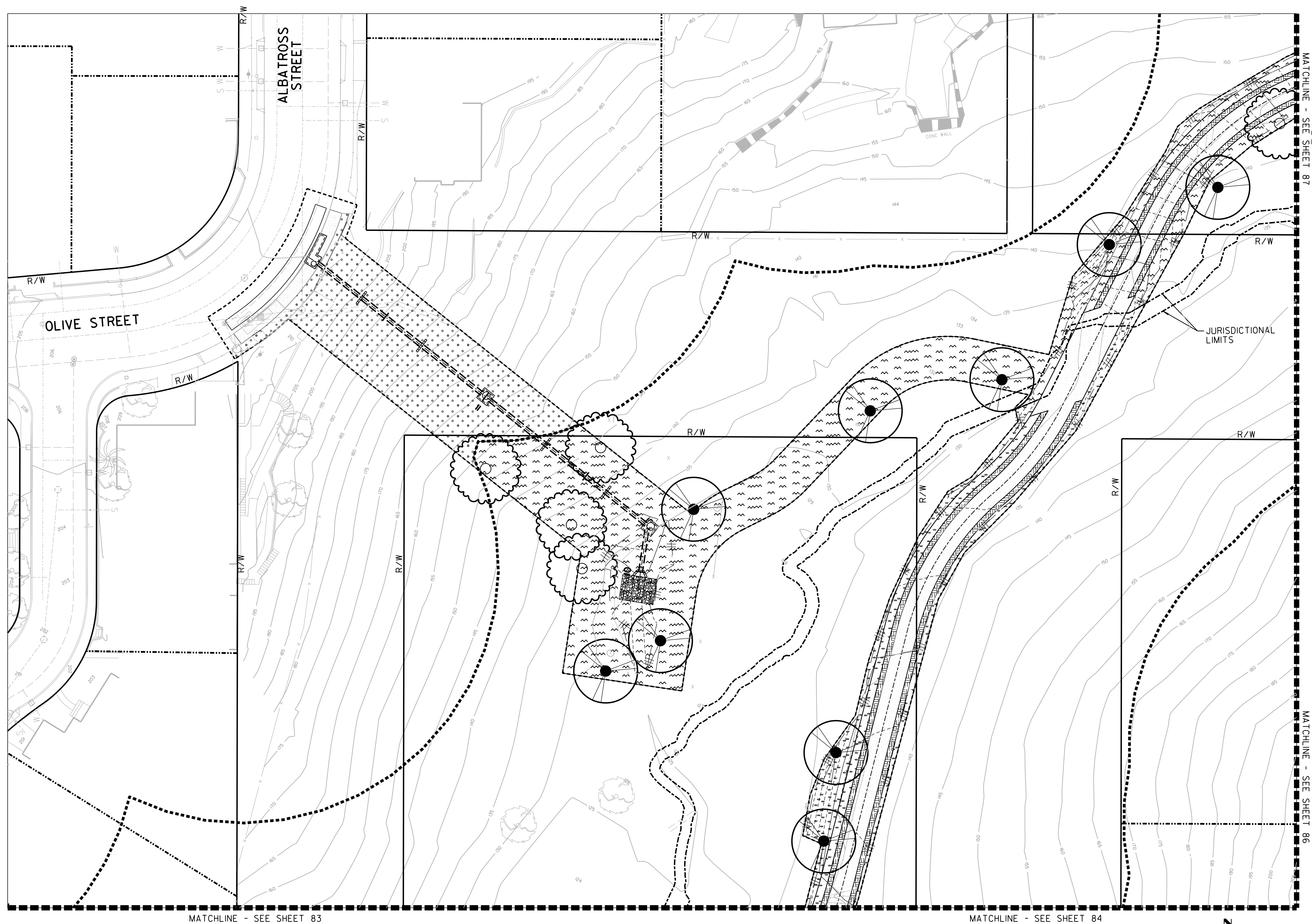
DATE COMPLETED



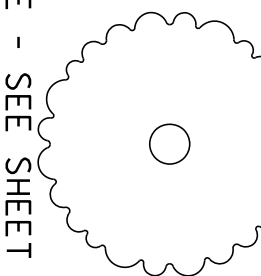
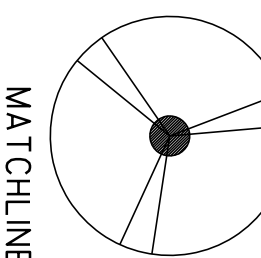
RICK
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5620 FRIARS ROAD
SAN DIEGO, CA 92110
619-291-0707
(FAX) 619-291-4165
rickengineering.com
San Diego
Riverside - Orange - Sacramento - San Luis Obispo - Phoenix - Tucson - Denver

\\cp.rickeng.com\projects\C_SD_J\18022-F_MapleCanyonSDOutfalls\Landscape\ConstDocs\Pltg\18022F_L-02_PLAN.dgn





PLANT LEGEND



PLATANUS RACEMOSA

QUERCUS AGRIFOLIA

CSS NORTH/EAST-FACING, CONTAINER STOCK & HYDROSEED

CSS NORTH/EAST-FACING, HYDROSEED ONLY

CSS SOUTH/WEST-FACING, CONTAINER STOCK & HYDROSEED

CSS SOUTH/WEST-FACING, HYDROSEED ONLY

WOOD MULCH

EARTHEN SURFACE

***** OUTER LIMITS OF BMZ 2 (100')

REVEGETATION GENERAL NOTES

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8. SEE SHEET 80 FOR REVEGETATION KEY MAP.
9. SEE SHEET 93 FOR REVEGETATION LEGEND.
10. ALL SYMBOLS ARE TYPICAL.

L-6

MAPLE CANYON RESTORATION – PHASE 1
REVEGETATION PLAN

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 85 OF 98 SHEETS

STORM DRAIN	<u>B-12040</u>
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SHEET 05 OF 50 SHEETS APPROVED: _____ FOR CITY ENGINEER _____ DATE _____ SHEILA BOSE _____ PRINT DCE NAME _____ RCE# _____						SUBMITTED BY: ELHAM LOTFI PROJECT MANAGER	
CHECKED BY: BAREAZ PIROMARI PROJECT ENGINEER							
DESCRIPTION	BY	APPROVED	DATE	FILMED			

PRINT JOB NAME		RCEP			BAREAZ PIROMARI	
DESCRIPTION	BY	APPROVED	DATE	FILMED	PROJECT ENGINEER	
ORIGINAL	RICK				206-1719 CCS27 COORDINATE	
					1846-6276 CCS93 COORDINATE	

38321-85-D

CONTRACTOR _____	DATE STARTED _____	38321-85-D
#CREATOR _____	DATE COMPLETED _____	

rickTM
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SAN DIEGO, CA 92110
619-291-0707
(FAX) 619-291-4165

rickengineering.com

San Diego Riverside - Orange - Sacramento - San Luis Obispo - Phoenix - Tucson - Denver

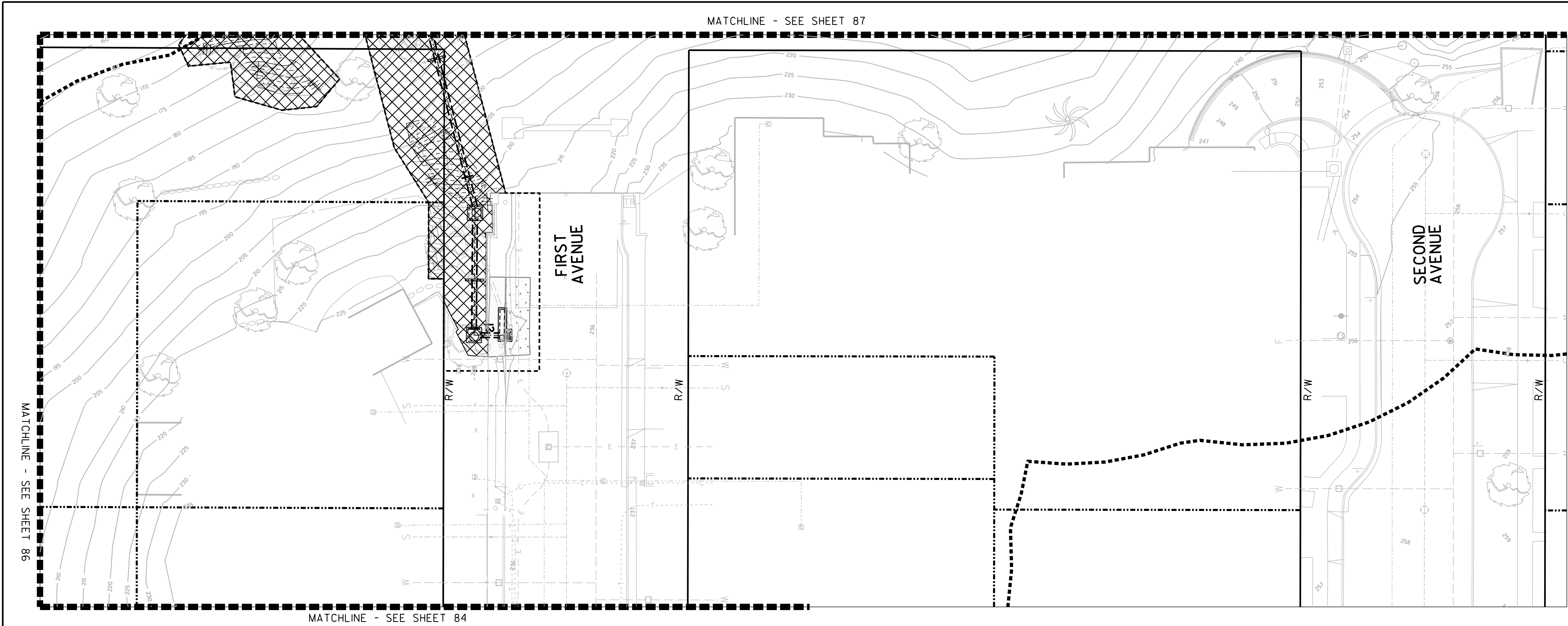
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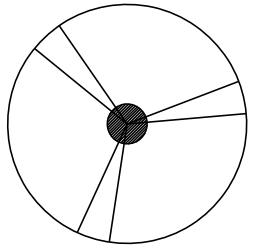
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100% SUBMITTAL

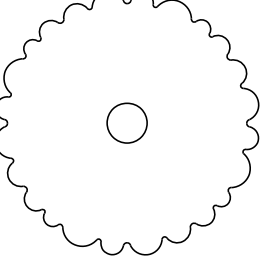
REVEGETATION PLAN



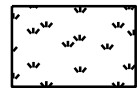
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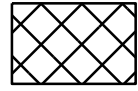
PLATANUS RACEMOSA



QUERCUS AGRIFOLIA



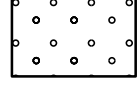
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CSS NORTH/EAST-FACING, HYDROSEED ONLY



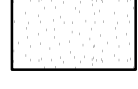
CSS SOUTH/WEST-FACING, CONTAINER STOCK & HYDROSEED



CSS SOUTH/WEST-FACING, HYDROSEED ONLY



WOOD MULCH



EARTHEN SURFACE

----- OUTER LIMITS OF BMZ 2 (100')

REVEGETATION GENERAL NOTES

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8. SEE SHEET 80 FOR REVEGETATION KEY MAP.
9. SEE SHEET 93 FOR REVEGETATION LEGEND.
10. ALL SYMBOLS ARE TYPICAL.

L-7

MAPLE CANYON RESTORATION – PHASE 1
REVEGETATION PLAN

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 86 OF 98 SHEETS

STORM
DRAIN
WBS B-12040

APPROVED: _____ DATE _____
FOR CITY ENGINEER SHEILA BOSE
PRINT DCE NAME RCE#
SUBMITTED BY: ELHAM LOTFI
PROJECT MANAGER
CHECKED BY: BAREAZ PIROMARI
PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	RICK			

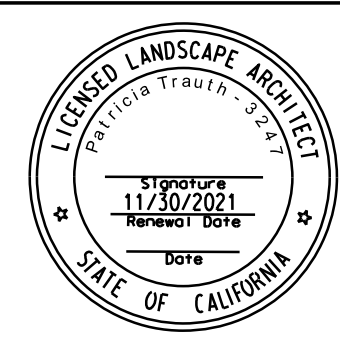
206-1719

CCS27 COORDINATE

1846-6276

CCS83 COORDINATE

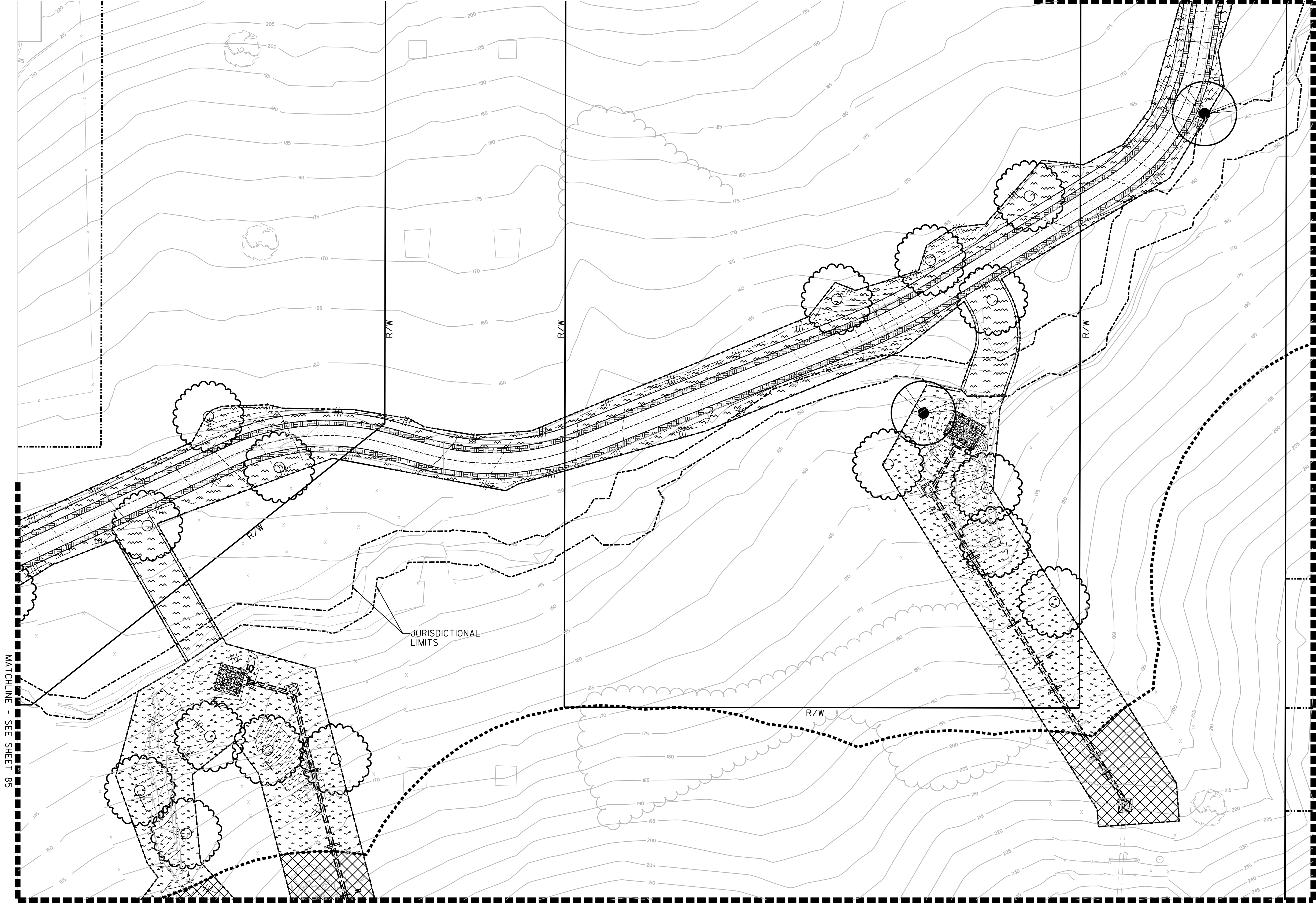
38321-86-D



CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

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5620 FRIARS ROAD
SAN DIEGO, CA 92110
619-291-0707
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\\cp.rickeng.com\projects\C_SD_J\18022-F_MapleCanyonSDOutfalls\Landscape\ConstDocs\Pltg\18022F_L-07_PLAN.dgn



PLANT LEGEND

PLATANUS RACEMOSA

QUERCUS AGRIFOLIA

CSS NORTH/EAST-FACING, CONTAINER STOCK & HYDROSEED

CSS NORTH/EAST-FACING, HYDROSEED ONLY

CSS SOUTH/WEST-FACING, CONTAINER STOCK & HYDROSEED

CSS SOUTH/WEST-FACING, HYDROSEED ONLY

WOOD MULCH

EARTHEN SURFACE

OUTER LIMITS OF BMZ 2 (100')

- REVEGETATION GENERAL NOTES**
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8. SEE SHEET 80 FOR REVEGETATION KEY MAP.

9. SEE SHEET 93 FOR REVEGETATION LEGEND.

10. ALL SYMBOLS ARE TYPICAL.

APPROVED:

FOR CITY ENGINEER

SHEILA BOSE

PRINT DCE NAME

DATE

RCE#

ELHAM LOTFI

PROJECT MANAGER

BAREAZ PIROMARI

PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	RICK			

CONTRACTOR

INSPECTOR

DATE STARTED

DATE COMPLETED

206-1719

CCS27 COORDINATE

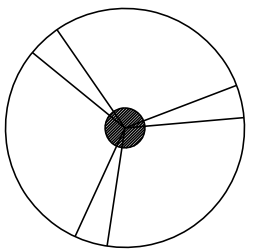
1846-6276

CCS83 COORDINATE

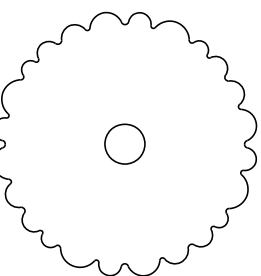
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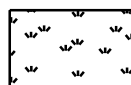
PLANT LEGEND



PLATANUS RACEMOSA



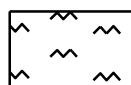
QUERCUS AGRIFOLIA



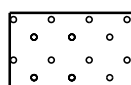
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CSS NORTH/EAST-FACING, HYDROSEED ONLY



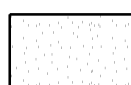
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CSS SOUTH/WEST-FACING, HYDROSEED ONLY



WOOD MULCH



EARTHEN SURFACE

----- OUTER LIMITS OF BMZ 2 (100')

REVEGETATION GENERAL NOTES

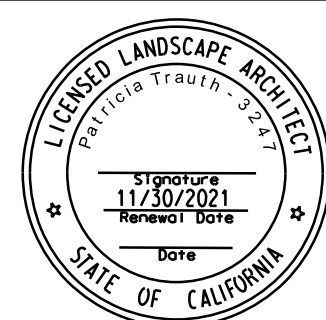
1. CONTRACTOR SHALL REVIEW PLANTING INSTALLATION DETAILS, NOTES AND SPECIFICATIONS PRIOR TO BEGINNING WORK.
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9. SEE SHEET 93 FOR REVEGETATION LEGEND.
10. ALL SYMBOLS ARE TYPICAL.

L-9

MAPLE CANYON RESTORATION - PHASE 1
REVEGETATION PLAN

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 88 OF 98 SHEETS

STORM DRAIN WBS B-12040



APPROVED: _____ DATE _____
FOR CITY ENGINEER
SHEILA BOSE
PRINT DCE NAME RCE#
CHECKED BY: ELHAM LOTFI
PROJECT MANAGER
BAREAZ PIROMARI
PROJECT ENGINEER

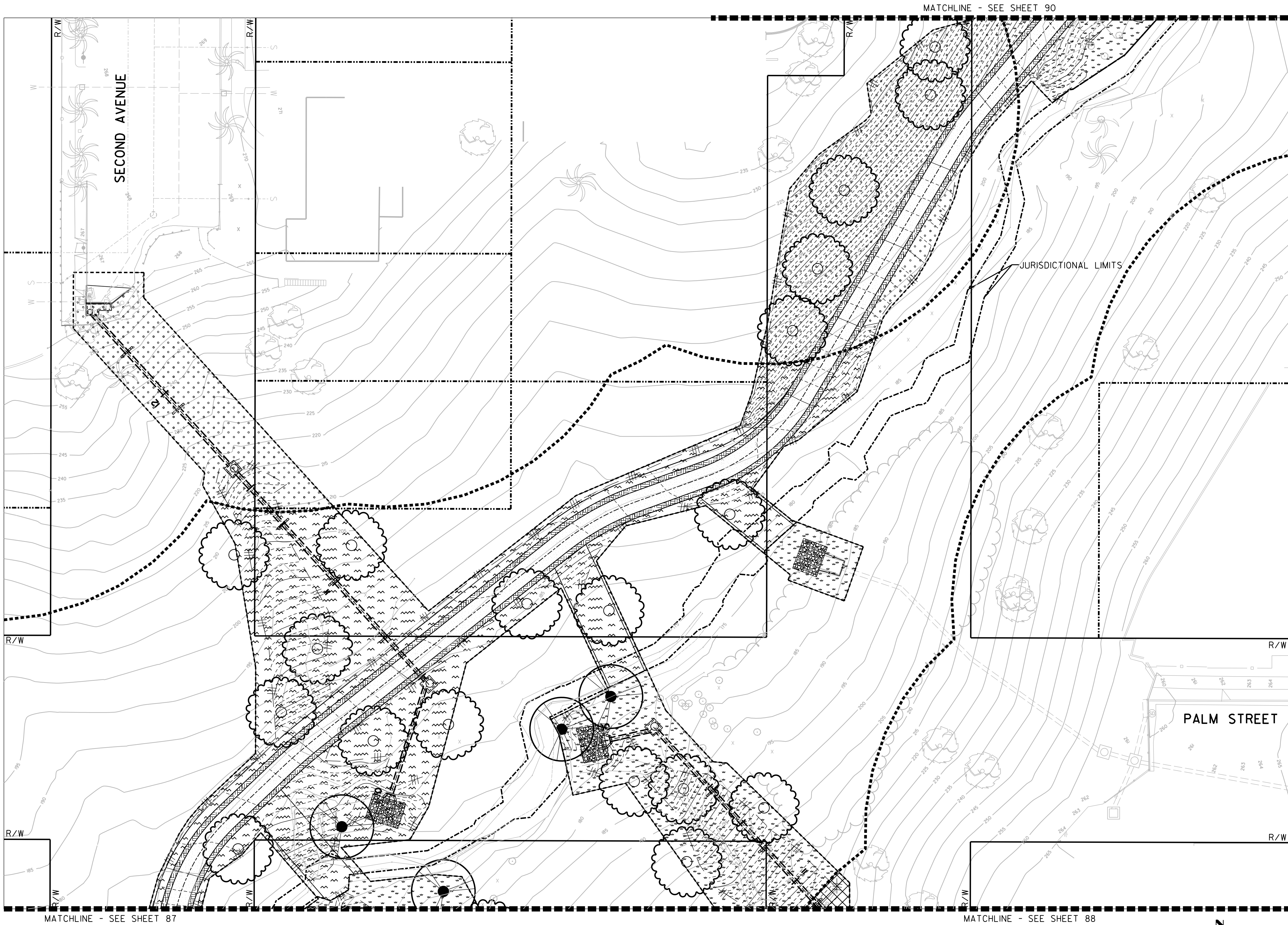
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	RICK			

206-1719
CCS27 COORDINATE
1846-6276
CCS83 COORDINATE

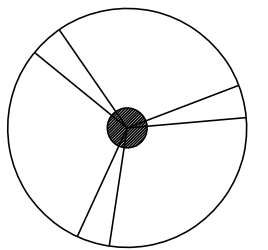
CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____
38321-88-D

RICK
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619-291-0707
(FAX) 619-291-4165
rickengineering.com
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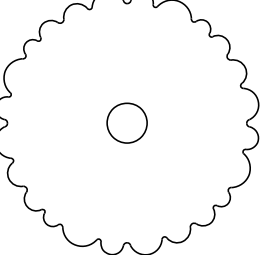
\\cp.rickeng.com\projects\C_SD_J\18022-F_MapleCanyonSDOutfalls\Landscape\ConstDocs\Pltg\18022F_L-09_PLAN.dgn



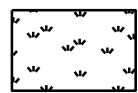
PLANT LEGEND



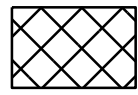
PLATANUS RACEMOSA



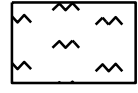
QUERCUS AGRIFOLIA



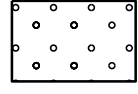
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CSS NORTH/EAST-FACING, HYDROSEED ONLY



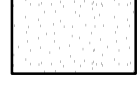
CSS SOUTH/WEST-FACING, CONTAINER STOCK & HYDROSEED



CSS SOUTH/WEST-FACING, HYDROSEED ONLY



WOOD MULCH



EARTHEN SURFACE

----- OUTER LIMITS OF BMZ 2 (100')

REVEGETATION GENERAL NOTES

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8. SEE SHEET 80 FOR REVEGETATION KEY MAP.
9. SEE SHEET 93 FOR REVEGETATION LEGEND.
10. ALL SYMBOLS ARE TYPICAL.

L-10

MAPLE CANYON RESTORATION - PHASE 1
REVEGETATION PLAN

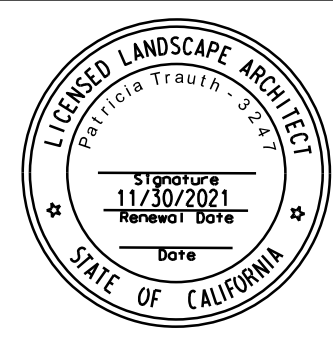
CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 89 OF 98 SHEETS

STORM DRAIN WBS B-12040

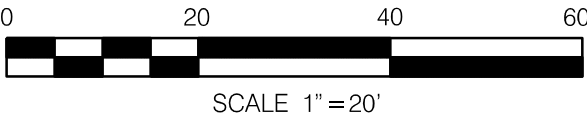
APPROVED: FOR CITY ENGINEER SHEILA BOSE, PRINT DCE NAME DATE
SHEILA BOSE, PRINT DCE NAME DATE
ELHAM LOTFI, PROJECT MANAGER
BAREAZ PIROMARI, PROJECT ENGINEER

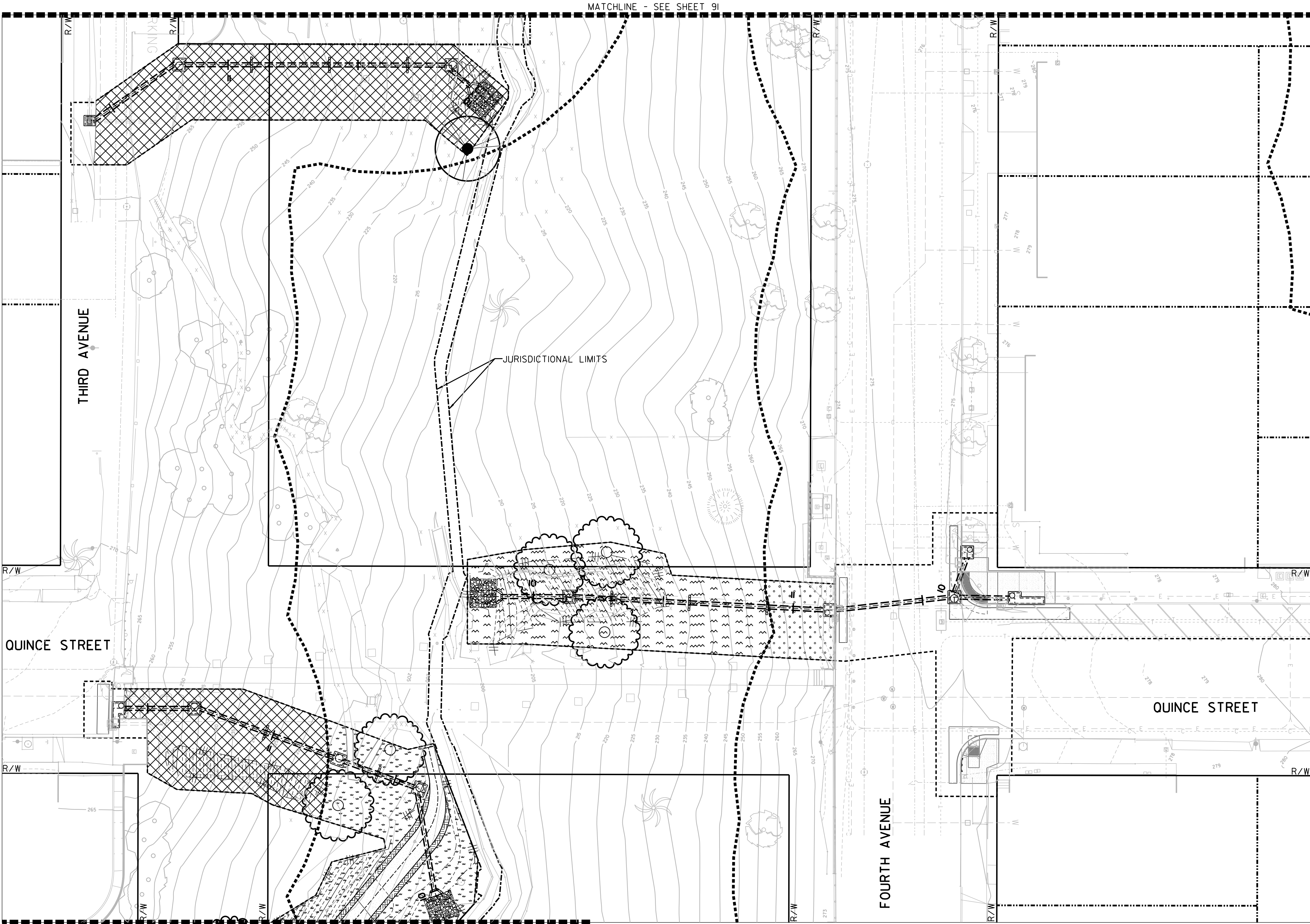
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ORIGINAL	RICK			

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CCS27 COORDINATE
1846-6276
CCS83 COORDINATE
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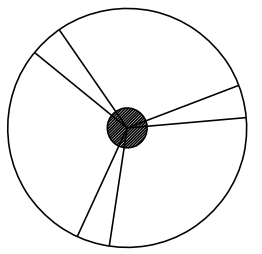


CONTRACTOR INSPECTOR DATE STARTED DATE COMPLETED

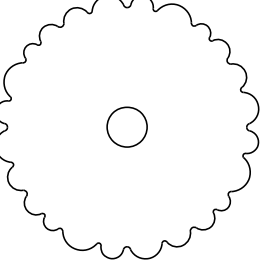




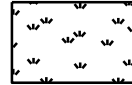
PLANT LEGEND



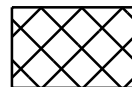
PLATANUS RACEMOSA



QUERCUS AGRIFOLIA



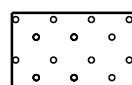
CSS NORTH/EAST-FACING, CONTAINER STOCK & HYDROSEED



CSS NORTH/EAST-FACING, HYDROSEED ONLY



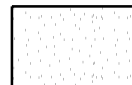
CSS SOUTH/WEST-FACING, CONTAINER STOCK & HYDROSEED



CSS SOUTH/WEST-FACING, HYDROSEED ONLY



WOOD MULCH



EARTHEN SURFACE

----- OUTER LIMITS OF BMZ 2 (100')

REVEGETATION GENERAL NOTES

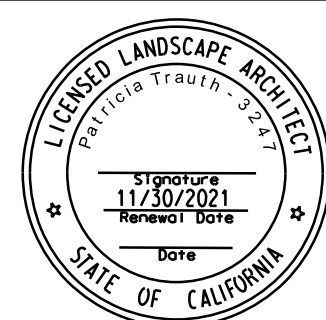
1. CONTRACTOR SHALL REVIEW PLANTING INSTALLATION DETAILS, NOTES AND SPECIFICATIONS PRIOR TO BEGINNING WORK.
2. CONTRACTOR SHALL VISIT AND BECOME FAMILIAR WITH CONDITIONS UNDER WHICH WORK SHALL BE DONE PRIOR TO BIDDING.
3. ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF SAN DIEGO.
4. CONTRACTOR SHALL NOTIFY THE PROJECT BIOLOGIST OF ANY DISCREPANCIES IN THE EXISTING CONDITIONS OR WITHIN THE PLANS PRIOR TO BEGINNING WORK.
5. CONTRACTOR SHALL IMMEDIATELY, UPON THE AWARD OF THE CONTRACT, ORDER, LOCATE AND PURCHASE (OR HAVE HELD) ALL PLANT MATERIAL REQUIRED BY THESE PLANS. PLANT MATERIAL SUBSTITUTIONS MAY BE SUGGESTED TO THE PROJECT BIOLOGIST AFTER CONTACTING A MINIMUM OF 6 NURSERY SOURCES, OBTAIN WRITTEN APPROVAL FROM THE PROJECT BIOLOGIST PRIOR TO SUBSTITUTION.
6. PLANT SYMBOLS TAKE PRECEDENCE OVER PLANT QUANTITIES SPECIFIED. WHERE SHRUB SYMBOLS ARE MASSED, CONTRACTOR SHALL MAINTAIN A CONSISTENT ON CENTER, TRIANGULAR SPACING AS SPECIFIED IN SPECIFICATIONS. CONTRACTOR SHALL VERIFY PLANT TOTALS FOR BID PURPOSES.
7. MATERIAL MAY BE REJECTED BY THE PROJECT BIOLOGIST DUE TO HEALTH FORM OR DAMAGE BEFORE OR AFTER PLANTING.
8. SEE SHEET 80 FOR REVEGETATION KEY MAP.
9. SEE SHEET 93 FOR REVEGETATION LEGEND.
10. ALL SYMBOLS ARE TYPICAL.

L-11

MAPLE CANYON RESTORATION - PHASE 1
REVEGETATION PLAN

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 90 OF 98 SHEETS

STORM DRAIN WBS B-12040

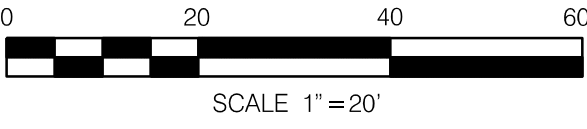


APPROVED: _____ DATE _____
FOR CITY ENGINEER
SHEILA BOSE
PRINT DCE NAME RCE#
CHECKED BY: ELHAM LOTFI
PROJECT MANAGER
BAREAZ PIROMARI
PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	RICK			

206-1719
CCS27 COORDINATE
1846-6276
CCS83 COORDINATE

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____



RICK
ENGINEERING COMPANY
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5620 FRIARS ROAD
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619-291-0707
(FAX) 619-291-4165
rickengineering.com
Riverside - Orange - Sacramento - San Luis Obispo - Phoenix - Tucson - Denver



1. REVEGETATION OF THE PROJECT AREA SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF SAN DIEGO GREENBOOK 2018, WHITEBOOK 2015, LANDSCAPE STANDARDS, AND SEWER DESIGN GUIDELINES.
2. REVEGETATION OF THE SITE WILL INCLUDE THE TREATMENT AND REMOVAL OF NON-NATIVE VEGETATION, STOCKPILE OF TOPSOIL, APPLICATION OF NATIVE SEED MIX HYDROSEED SLURRY, INSTALLATION OF NATIVE CONTAINER PLANTINGS, APPLICATION OF MULCH, SUPPLEMENTAL IRRIGATION, AND LONG TERM MAINTENANCE.
3. THESE PLANS ARE TO BE USED AS A GENERAL GUIDE WITH THE FINAL LAYOUT TO BE DETERMINED ON SITE BY THE PROJECT BIOLOGIST.
4. ALL EROSION CONTROL MEASURES (I.E. JUTE NETTING, STRAW WADDLES, GRAVEL BAGS) WILL BE INSTALLED IMMEDIATELY FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES. REVEGETATION ACTIVITIES SUCH AS INSTALLATION OF CONTAINER PLANTS, HYDROSEED APPLICATION AND TEMPORARY IRRIGATION SHOULD BE CONDUCTED DURING THE RAINY SEASON (OCTOBER TO APRIL) FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITIES.
5. CONTRACTOR SHALL REPAIR AND/OR REPLACE ALL ABOVE GROUND EROSION CONTROL BMP'S DAMAGED DURING THE 120 PEP AND 25 MONTH MAINTENANCE AND MONITORING PERIOD. ANY ABOVE GRADE EROSION CONTROL MEASURES OR BMP'S SHALL BE REMOVED BY THE CONTRACTOR AND AS DIRECTED BY THE PROJECT BIOLOGIST.
6. CONTRACTOR SHALL REMOVE ALL TRASH AND/OR DEBRIS FROM THE REVEGETATION SITE PRIOR TO AND FOLLOWING THE REVEGETATION AND UNTIL THE END OF THE 25 MONTH MAINTENANCE AND MONITORING PERIOD.
7. ORANGE CONSTRUCTION FENCE OR IF IN A WILDLIFE AREA A YELLOW ROPE BARRIER AS DIRECTED BY THE PROJECT BIOLOGIST) SHALL BE INSTALLED TO PREVENT UNAUTHORIZED ACCESS TO THE PROJECT AREA. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE FENCE/BARRIER THROUGHOUT THE DURATION OF THE PROJECT.
8. PARK AND RECREATION DEPARTMENT OPEN SPACE STAFF SHALL BE INVITED TO QUARTERLY SITE INSPECTIONS, MUST BE PRESENT AT THE FINAL INSPECTION, AND MUST APPROVE THE PROJECT PRIOR TO FINAL ACCEPTANCE. PLEASE CONTACT THE OPEN SPACE SENIOR PLANNER, PAUL KILBURG, AT (619) 685-1327.

1. NON-NATIVE SPECIES CURRENTLY OCCUPYING REVEGETATION AREAS SHALL BE REMOVED OR TREATED WITH HERBICIDE PRIOR TO INSTALLATION OF NATIVE PLANT MATERIAL AS APPROVED BY THE PROJECT BIOLOGIST. THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT BIOLOGIST REGARDING IDENTIFICATION OF EXOTIC WEED SPECIES TO BE REMOVED/TREATED.
2. IF EROSION CONTROL MATERIALS SUCH AS SILT FENCING AND FIBER ROLLS REMAIN ON SITE PRIOR TO PLANTING, THEY MUST BE IN A SERVICEABLE CONDITION PRIOR TO THE RESTORATION IMPLEMENTATION AND SHOULD REMAIN IN PLACE. IF THEY ARE DEGRADED HOWEVER, THEY SHOULD BE REPLACED PRIOR TO PLANTING AND HYDROSEEDING THE AREA, AND SHALL REMAIN UNTIL THE VEGETATION HAS BEEN ESTABLISHED.
3. EXISTING ACCESS PATHS PROPOSED FOR REVEGETATION THAT ARE CURRENTLY COVERED WITH MULCH SHALL HAVE ALL MULCH REMOVED PRIOR TO INSTALLATION OF ANY NATIVE SEED OR HYDROSEED.
4. AREAS THAT WILL BY HYDROSEEDED OR HAND-SEEDDED MUST BE CLEARED OF LOOSE ROCKS AND DEBRIS PRIOR TO SEED APPLICATION. COMPACTED SOIL SURFACES SHOULD BE SCARIFIED TO A DEPTH BETWEEN 0.25"-0.50" FOR INCREASED SOIL CONTACT AND SEED BEDDING.

1. TEMPORARY IRRIGATION VIA IRRIGATION LINES (OR ALTERNATE METHOD APPROVED BY RE AND PROJECT BIOLOGIST) SHALL BE PROVIDED BY THE CONTRACTOR FOR A PERIOD SUFFICIENT TO ESTABLISH PLANT MATERIAL AND TO PROVIDE VEGETATIVE COVER THAT PREVENTS SOIL EROSION. METHODS OF TEMPORARY IRRIGATION SHALL BE TESTED IN THE PRESENCE OF PROJECT BIOLOGIST AND/OR CITY REPRESENTATIVE TO ENSURE FULL IRRIGATION COVERAGE AND PROPER OPERATION BY THE SYSTEM AND CONTRACTOR.
2. THE AMOUNT OF IRRIGATION MUST BE ADJUSTED WHEN WARRANTED BY SITE CONDITIONS. PROJECT BIOLOGIST AND CONTRACTOR SHALL MONITOR SOIL MOISTURE TO DETERMINE SUCCESS AND ANY ADDED REQUIREMENTS OR MODIFICATIONS FOR TEMPORARY IRRIGATION.
3. IRRIGATION SHALL BE PERFORMED IN A LOW VOLUME, VARYING SPRAY PATTERN THAT AVOIDS RUNOFF, SEEPAGE, AND OVERSPRAY ONTO ADJACENT PROPERTIES, NON-IRRIGATED AREAS, OR ADJACENT NATIVE OR NON NATIVE VEGETATION.
4. THE WATER DELIVERY RATE SHALL BE MATCHED TO THE SLOPE GRADIENT AND THE PERCOLATION RATE OF THE SOIL.
5. IRRIGATION SHALL DELIVER WATER SUFFICIENTLY AND UNIFORMLY AND SHALL BE APPROPRIATE TO THE NEEDS OF THE PLANT MATERIALS. OVERWATERING AS EVIDENCED BY SOGGY SOILS, STANDING WATER, RUNOFF, EROSION OR OTHER SIMILAR CONDITIONS SHALL BE MANAGED AND PREVENTED BY THE CONTRACTOR.
6. REPAIRS TO THE IRRIGATION SYSTEM DUE TO VANDALISM OR ANY OTHER REASON SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. IRRIGATION SHALL BE DISCONTINUED PRIOR TO THE END OF THE 25 MONTH MAINTENANCE AND MONITORING PERIOD OR EARLIER, AS DIRECTED BY THE PROJECT BIOLOGIST.
8. AFTER FINAL 25 MONTH SUCCESS CRITERIA ARE MET AND THE REVEGETATION AND MONITORING PROGRAM HAS BEEN SIGNED OFF, ALL ABOVE-GRADE COMPONENTS OF THE IRRIGATION SYSTEM SHALL BE CAREFULLY REMOVED FROM THE SITE WITHOUT ADVERSELY IMPACTING ADJACENT NATIVE VEGETATION.

1. ALL SEEDS SHALL MEET THE MINIMUM % PURE LIVE SEED AS NOTED IN TABLES. IF MINIMUM % PURE LIVE SEED COUNT CANNOT BE MET, CONTRACTOR TO COORDINATE AND OBTAIN WRITTEN APPROVAL FROM THE PROJECT BIOLOGIST FOR ALTERNATIVE COMPLIANCE.
2. ALL SEEDS SHALL ORIGINATE FROM WITHIN A 25 MILE RADIUS OF THE COAST AND PROJECT SITE OR CONTRACTOR TO PROVIDE EVIDENCE THAT THE SEED IS NOT AVAILABLE AND NOTIFY THE CITY REPRESENTATIVE AND THE PROJECT BIOLOGIST FOR ALTERNATIVE COMPLIANCE.
3. ALL AREAS WHERE MINOR GROUND DISTURBANCE OCCURRED AS THE RESULT OF ABANDONMENT ACTIVITIES (MANHOLD AND CONCRETE REMOVAL), SHALL BE HAND SEEDDED. SEED MIX SHALL BE HAND BROADCASTED AND RAKED INTO DISTURBED SOILS.

1. AREAS TO BE HYDROSEEDING SHALL INCLUDE ALL AREAS IDENTIFIED ON THE REVEGETATION PLANS AND ALL AREAS IMPACTED BY THE CONTRACTOR DURING ABANDONMENT WORK. AREAS WHERE MINOR GROUND DISTURBANCE OCCURRED (LESS THAN 25 SQUARE FEET) MAY BE HAND SEEDING, PER THE DISCRETION OF THE PROJECT BIOLOGIST.
2. HYDROSEEDING SHALL OCCUR ONLY AFTER THE PROJECT BIOLOGIST HAS OBSERVED AND APPROVED THAT THE SITE HAS BEEN PROPERLY PREPARED.
3. HYDROSEED SLURRY SHALL BE APPLIED AT THE RATES SHOWN ON THE PLANS OR AS DIRECTED BY THE PROJECT BIOLOGIST.
4. EQUIPMENT USED FOR THE APPLICATION OF SLURRY SHALL HAVE A BUILT-IN AGITATION SYSTEM TO SUSPEND AND HOMOGENEOUSLY MIX THE SLURRY. THE SLURRY MIX SHALL BE DYED GREEN. THE EQUIPMENT MUST HAVE A PUMP CAPABLE OF APPLYING SLURRY UNIFORMLY.

1. CONTAINER PLANTS SHALL BE PROCURED FROM A NURSERY QUALIFIED TO PROPAGATE AND CARE FOR NATIVE PLANT SPECIES. SOURCES FOR ANY NATIVE CONTAINER PLANT MATERIALS SHALL ORIGINATE WITHIN A 25-MILE RADIUS OF THE SAN DIEGO COAST AND/OR PROJECT SITE, OR AS DETERMINED BY THE PROJECT BIOLOGIST.
2. CONTAINER PLANT MATERIAL MUST BE DELIVERED TO THE PROJECT SITE AT THE APPROPRIATE TIME AND IN A HEALTHY AND VIGOROUS CONDITION. THE PROJECT BIOLOGIST WILL REJECT PLANT MATERIAL DELIVERED TO ITS PLANTING DATE. SPECIMENS SHOWING EVIDENCE OF DISEASE, MISHANDLING, DEFECTS OR DAMAGE, OVER OR UNDER WATERING, OR OTHER DEFICIENCY AT THE TIME OF DELIVERY WILL BE REJECTED.
3. CONTAINER PLANTS WILL BE PLACED BY THE CONTACTOR FOR THE REVIEW AND APPROVAL BY THE PROJECT BIOLOGIST IN THE REVEGETATION AREAS. CONTAINER PLANTS SHALL BE ARRANGED BY THE CONTRACTOR IN A NATURALLY RANDOM MANNER, OBSERVING MINIMUM SPACING AS INDICATED IN THE PLANTING PALETTE.
4. PLANTING PITS FOR CONTAINER PLANTS SHALL BE APPROXIMATELY 1.5 TIMES AS DEEP AND 3 TIMES AS WIDE AS THE CONTAINER SIZE. ALL PLANTING PITS SHALL BE FILLED WITH WATER AND ALLOWED TO COMPLETELY DRAIN PRIOR TO PLANT INSTALLATION. AFTER THE PLANTING PITS HAVE BEEN PRESOAKED, THE CONTRACTOR SHALL BACKFILL THE HOLE TO THE APPROPRIATE PLANTING DEPTH AND SET PLANTS IN THE CENTER OF THE HOLE, BACKFILL THE HOLE, AND THOROUGHLY APPLY MORE WATER.
5. THE HOLE SHALL BE BACKFILLED WITH AN EQUAL COMBINATION OF NATIVE SOIL AND WEED-FREE TOPSOIL, AND AN EARTHEN WATERING BASIN SHALL BE CREATED IN A TWO FOOT DIAMETER AROUND EACH ROOTBALL. THE PLANT SHALL THEN BE WATERED IN BY HAND IMMEDIATELY AFTER PLANTING.

1. THE 120 DAY PEP WILL BEGIN FOLLOWING SUCCESSFUL COMPLETION OF REVEGETATION INSTALLATION AND ACCEPTANCE BY THE PROJECT BIOLOGIST.
2. THE MAINTENANCE PERIOD BEGINS FOLLOWING COMPLETION AND ACCEPTANCE OF THE 120 DAY PEP AND MAY BE EXTENDED AT THE DETERMINATION OF THE PROJECT BIOLOGIST. REVEGETATION AREA SHALL BE MAINTAINED FOR A PERIOD OF NOT LESS THAN 25 MONTHS. ALL REVEGETATED AREAS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL APPROVAL BY THE CITY REPRESENTATIVE AND THE PROJECT BIOLOGIST.
3. PRIOR TO FINAL APPROVAL, THE CITY REPRESENTATIVE MAY REQUIRE CORRECTIVE ACTION INCLUDING BUT NOT LIMITED TO RESEEDING AND THE REPAIR OF ANY SOIL EROSION OR SLOPE SLIPPAGE, IN CONSULTATION WITH THE PROJECT BIOLOGIST.
4. WEEDING AND/OR HERBICIDE APPLICATION SHALL BE DONE REGULARLY BY THE CONTRACTOR. WEEDING SHALL BE DONE AT A MINIMUM OF BIWEEKLY UNTIL THE END OF THE 120 DAY PEP, AND MONTHLY THROUGHOUT THE 25 MONTHS OF MAINTENANCE.
5. CONTRACTOR SHALL CONTROL WEEDS AS IDENTIFIED BY THE PROJECT BIOLOGIST SUCH THAT NO WEED COVER EXCEEDS 5% OF THE PROJECT SITE, BEFORE THEY EXCEED SIX INCHES (6") IN HEIGHT, AND BEFORE THEY SET SEED. IN ADDITION, THERE WILL BE 0% NON-NATIVE INVASIVE WEED COVER THROUGHOUT THE DURATION OF THE PROJECT. INVASIVE WEEDS ARE IDENTIFIED IN THE CITY LANDSCAPE GUIDELINES AS INVASIVE PLANT SPECIES OR RATED BY THE CALIFORNIA INVASIVE PLANT COUNCIL AS HIGHLY INVASIVE.

1. REVEGETATION AREAS WITHIN 100 FEET OF HABITABLE STRUCTURES (I.E., BRUSH MANAGEMENT ZONE) NEED TO BE MARKED IN THE FIELD PRIOR TO PLANT INSTALLATION. WITHIN THESE AREAS, BRUSH MANAGEMENT REQUIREMENTS SHALL BE IMPLEMENTED.
2. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING BRUSH MANAGEMENT ACTIVITIES FOR ALL REVEGETATION AREAS WITHIN THE BRUSH MANAGEMENT ZONE.

Upland Scrub Revegetation		Performance Standard	
	Percent Cover Native Vegetation	Percent Cover Nonnative Vegetation	Container Plant Survival
		Herbaceous CAL-IPC Listed Species	
Year 1	25	<10 0	100
Year 2	80	<10 0	80

Note: final success criteria may be lowered by Biologist if natural site conditions prevent the establishment of vegetation.

Period	Contractor Responsibilities	Project Biologist Responsibilities	Reporting & Submittals
Installation	Contractor is responsible for preparation of site, implementation of the revegetation plan, and installation of container plants and seed as shown on the plans or as directed by the Project Biologist.	Project Biologist is responsible for monitoring installation, as needed, to ensure successful installation and implementation of the revegetation plan.	Project Biologist to submit memo to City Representative within 7 days of installation completion. Contractor to notify MMC.
120-Day PEP	Contractor is responsible for all necessary maintenance (watering, weed abatement, replacement planting, maintain BMPs) to ensure establishment of vegetation and site remains erosion free. Maintenance activities shall occur as-needed, but not less than bi-weekly.	Project Biologist is responsible for monitoring revegetation and providing maintenance recommendations. Monitoring shall occur bi-weekly for the first two months, then monthly thereafter.	Contractor to notify MMC prior to the completion of the 120-Day PEP for site inspection. Project Biologist to submit monitoring memo to City Representative following each site visit and completion memo within 7 days of completion.
25-Month Maintenance & Monitoring	Contractor is responsible for all necessary maintenance (watering, weed abatement, replacement planting, maintain BMPs) to meet success criteria. Maintenance activities shall occur as-needed, but not less than: <ul style="list-style-type: none"> ▪ Year 1 - Monthly ▪ Year 2 - Bi-monthly 	Project Biologist is responsible for monitoring revegetation and providing maintenance recommendations. Monitoring shall occur quarterly.	Project Biologist to submit Quarterly/Annual monitoring memo to City Representative. Project Biologist shall submit annual reports (Year 1 and 2) within 30 days of monitoring period.

PLANT LEGEND

SOUTH/WEST FACING SLOPE DCSS CONTAINER STOCK & HYDROSEED MIX

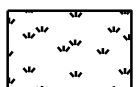
SOUTH/WEST FACING SLOPE DCSS CONTAINER STOCK				
Scientific Name	Common Name	Plant Size	Spacing (feet)	Plants/acre
<i>Artemisia californica</i>	Coast sagebrush	1 Gallon	10	70
<i>Bahiopsis laciniata</i>	San Diego sunflower	1 Gallon	10	70
<i>Cylindropuntia prolifera</i>	Coast cholla	1 Gallon	5	125
<i>Encelia californica</i>	Coast sunflower	1 Gallon	10	70
<i>Eriogonum fasciculatum</i> var. <i>fasciculatum</i>	Coast buckwheat	1 Gallon	5	100
<i>Malosma laurina</i>	Laurel leaf sumac	1 Gallon	20	25
<i>Opuntia littoralis</i>	Coast prickly-pear	1 Gallon	5	125
<i>Rhus integrifolia</i>	Lemonade berry	1 Gallon	20	25
<i>Ribes speciosum</i>	Fuchsia flowered gooseberry	1 Gallon	15	25
<i>Salvia mellifera</i>	Black sage	1 Gallon	10	70
<i>Stipa lepida</i>	Foothill needlegrass	Liner	2	200
			TOTAL	905

DCSS Plant Palette - Hydroseed Mix				
Scientific Name	Common Name	Purity/ Germination	% Live Seed	Pounds/ acre
<i>Acmispon glaber</i>	Deer weed	95/80	85	1
<i>Cryptantha muricata</i>	Popcorn flower	15/50	10	3
<i>Deinandra fasciculata</i>	Fascicled tarweed	20/80	20	3
<i>Eriogonum fasciculatum</i> var. <i>fasciculatum</i>	Coast buckwheat	50/20	10	5
<i>Eriophyllum</i> <i>confertiflorum</i>	Golden yarrow	30/70	25	3
<i>Stipa lepida</i>	Foothill needlegrass	90/60	65	6
			TOTAL	21

SOUTH/WEST FACING SLOPE DCSS HYDROSEED MIX ONLY

SOUTH/WEST FACING SLOPE DCSS Plant Palette - Hydroseed Mix				
Scientific Name	Common Name	Purity/ Germination	% Live Seed	Pounds/ acre
<i>Acmispon glaber</i>	Deer weed	95/80	85	1
<i>Cryptantha muricata</i>	Popcorn flower	15/50	10	3
<i>Deinandra fasciculata</i>	Fascicled tarweed	20/80	20	3
<i>Eriogonum fasciculatum</i> var. <i>fasciculatum</i>	Coast buckwheat	50/20	10	5
<i>Eriophyllum conferatiflorum</i>	Golden yarrow	30/70	25	3
<i>Stipa lepida</i>	Foothill needlegrass	90/60	65	6
			TOTAL	21


NORTH/EAST FACING SLOPE DCSS CONTAINER STOCK & HYDROSEED MIX



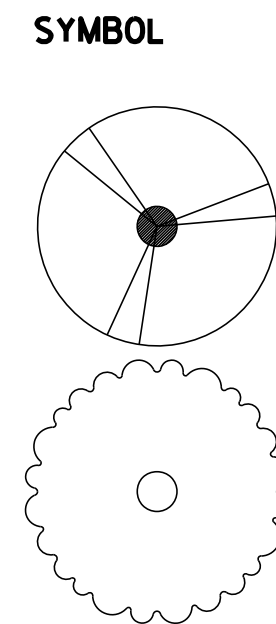
NORTH/EAST FACING SLOPE		DCSS CONTAINER STOCK			
Scientific Name	Common Name	Plant Size	Spacing (feet)	Plants/acre	
Ceanothus verrucosus	Wart-stemmed ceanothus	1 Gallon	6	70	
Eriogonum fasciculatum var. fasciculatum	Coast buckwheat	1 Gallon	5	100	
Heteromeles arbutifolia	Toyon	1 Gallon	10	30	
Malosma laurina	Laurelsumac	1 Gallon	10	30	
Quercus agrifolia	Coast live oak	1 Gallon	50	5	
Quercus dumosa	Nuttall's scrub oak	1 Gallon	10	70	
Rhus integrifolia	Lemonade berry	1 Gallon	20	25	
Ribes speciosum	Fuchsia flowered gooseberry	1 Gallon	15	25	
Salvia mellifera	Black sage	1 Gallon	5	100	
Stipa lepidia	Foothill needlegrass	Liner	2	200	
			TOTAL	655	

NORTH/EAST FACING SLOPE CSS Plant Palette - Hydroseed Mix				
Scientific Name	Common Name	Purity/ Germination	% Live Seed	Pounds/ acre
<i>Acmispon glaber</i>	Deer weed	95/80	76	2
<i>Acmispon heermanii</i>	Prostrate deerweed	90/20	18	2
<i>Astragalus tricopodus</i>	Ocean locoweed	95/60	57	1
<i>Cryptantha muricata</i>	Popcorn flower	15/50	7.5	0.5
<i>Deinandra fasciculata</i>	Fasciated tarweed	20/80	16	0.5
<i>Lupinus bicolor</i>	Miniature lupine	98/85	83.3	2
<i>Trifolium gracilentum</i>	Pin-point clover	98/85	83.3	1
			TOTAL	9

NORTH/EAST FACING SLOPE DCSS HYDROSEED MIX ONLY

	NORTH/EAST FACING SLOPE CSS Plant Palette - Hydroseed Mix				
	Scientific Name	Common Name	Purity/ Germination	% Live Seed	Pounds/ acre
	<i>Acmispon glaber</i>	Deer weed	95/80	76	2
	<i>Acmispon heermanii</i>	Prostrate deerweed	90/20	18	2
	<i>Astragalus tricopodus</i>	Ocean locoweed	95/60	57	1
	<i>Crypthantha muricata</i>	Popcorn flower	15/50	7.5	0.5
	<i>Deinandra fasciculata</i>	Fascicled tarweed	20/80	16	0.5
	<i>Lupinus bicolor</i>	Miniature lupine	98/85	83.3	2
	<i>Trifolium gracilentum</i>	Pin-point clover	98/85	83.3	1
				TOTAL	9

TREES



BOTANICAL NAME / COMMON NAME	SIZE	QUANTITY	WUCOLS
PLATANUS RACEMOSA / CALIFORNIA SYCAMORE	5 GALLON	38	MODERATE
QUERCUS AGRIFOLIA / COAST LIVE OAK	5 GALLON	60	LOW

