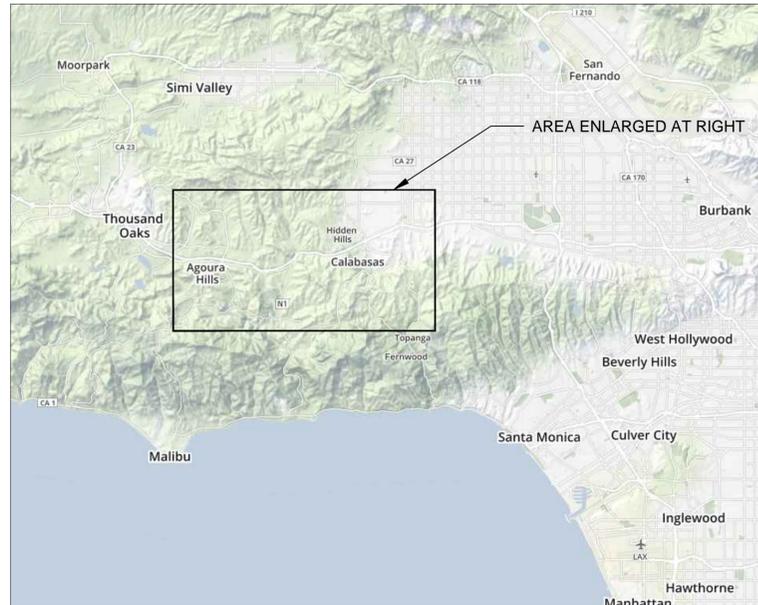
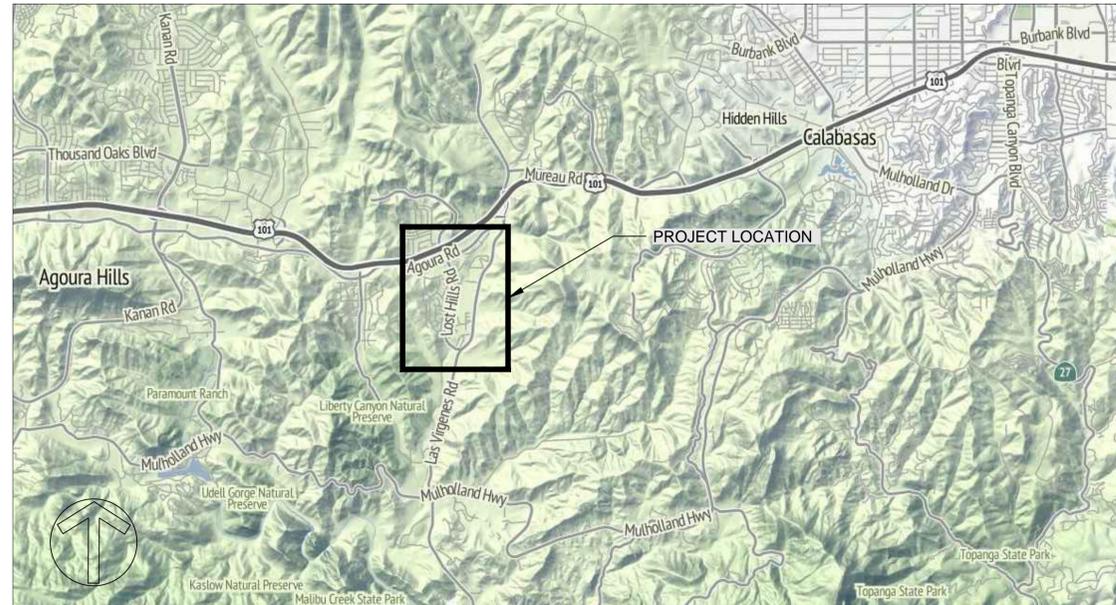


# LAS VIRGENES CREEK RESTORATION PROJECT - PHASE II

## CITY OF CALABASAS, CA



**AREA MAP**  
NOT TO SCALE



**VICINITY MAP**  
NOT TO SCALE

THOMAS GUIDE  
PAGE # 558  
GRIDS G6, G7, H6 and H7  
PAGE #588  
GRIDS G1 and H1

### DRAWING INDEX

1. TITLE SHEET & DRAWING INDEX
2. RESTORATION OVERVIEW AND KEY MAP
3. RESTORATION SHEET 3
4. RESTORATION SHEET 4
5. RESTORATION SHEET 5
6. RESTORATION SHEET 6
7. RESTORATION SHEET 7
8. RESTORATION SHEET 8
9. LEGEND AND DETAILS

### GENERAL NOTES

1. **DESIGN INTENT:** THESE PLANS AND SPECIFICATIONS REPRESENT THE DESIGN INTENT OF QUESTA ENGINEERING CORPORATION (THE ENGINEER), AS APPROVED BY THE OWNER, CITY OF CALABASAS. THE CONTRACTOR IS RESPONSIBLE FOR ALL ITEMS SHOWN ON THESE PLANS AND SPECIFICATIONS AND SHALL BE RESPONSIBLE FOR ANY DEVIATIONS FROM THESE PLANS AND ASSOCIATED RISK AND EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A COPY OF THE APPROVED PLANS AND SPECIFICATIONS AND ANY ADDENDA AT THE JOB SITE AT ALL TIMES. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY CITY OF CALABASAS OF ANY UNFORESEEN CIRCUMSTANCES OR CONDITIONS THAT WOULD ALTER THESE PLANS AND SPECIFICATIONS FOR APPROVAL OF MODIFICATIONS TO THE INTENDED DESIGN.
2. **BASE MAP:** THE PROPOSED IMPROVEMENTS SHOWN ON THESE DRAWINGS ARE SUPERIMPOSED ON A BASE MAP. THIS BASE MAP IS COMPILED FROM AERIAL AND GROUND SURVEYS, AND OTHER DATA AS MADE AVAILABLE TO THE ENGINEER, WHO SHALL NOT BE HELD LIABLE FOR CHANGES, INACCURACIES, OMISSIONS OR OTHER ERRORS ON THESE DOCUMENTS. THE COMPOSITE BASE MAP IS PROVIDED AS AN AID ONLY AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THESE DOCUMENTS AND INCORPORATING/INTEGRATING ALL CONSTRUCTION AS REQUIRED TO ACCOMMODATE THE SAME. BOUNDARY LINES SHOWN ARE APPROXIMATE AND FOR INFORMATIONAL PURPOSES ONLY.
3. **DISCREPANCIES:** IN THE EVENT THAT SUBGRADE OBSTRUCTIONS ARE ENCOUNTERED OR DISCREPANCIES ARE FOUND BETWEEN THE DRAWINGS AND FIELD CONDITIONS, NOTIFY ENGINEER OR CITY OF CALABASAS FOR DIRECTIONS. DO NOT PROCEED WITH THE WORK WITHOUT DIRECTION FROM THE ENGINEER.
4. **PRECONSTRUCTION MEETING:** A PRECONSTRUCTION MEETING ATTENDED BY THE CONTRACTOR, CITY OF CALABASAS REPRESENTATIVE, AND OTHERS AS APPROPRIATE, WILL BE HELD WITHIN FIFTEEN (15) DAYS OF AWARD OF CONTRACT TO DISCUSS THE WORK. SUBMIT ALL REQUIRED DOCUMENTS, REQUESTS, AND PROPOSALS AT THIS MEETING FOR DISCUSSION.
5. **UTILITIES:** CONTRACTOR SHALL NOTIFY ALL PUBLIC AND PRIVATE UTILITY COMPANIES IN THE PROJECT AREA A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR MUST INVESTIGATE AND VERIFY THE LOCATION OF ANY EXISTING UTILITIES WITHIN THE PROJECT AREA. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY, LOCATE, AND PROTECT ALL UNDERGROUND UTILITIES. ANY UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE CONSIDERED TENTATIVE AND APPROXIMATIONS AND THEREFORE, NO WARRANTY EXPRESSED OR IMPLIED IS MADE AS TO THE COMPLETENESS OR CORRECTNESS OF THEIR LOCATION. THE UTILITY COMPANIES ARE THOUGHT TO BE MEMBERS OF THE UNDERGROUND SERVICE ALERT (U.S.A.) ON-CALL PROGRAM. THE CONTRACTOR SHALL NOTIFY U.S.A. 72-HOURS IN ADVANCE OF PERFORMING EXCAVATION WORK AT 811 FROM 7:00 AM TO 5:00 PM, MONDAY THROUGH FRIDAY. EXISTING PUBLIC UTILITIES SHALL BE KEPT IN SERVICE AT ALL TIMES. UTILITIES THAT INTERFERE WITH THE WORK TO BE PERFORMED SHALL BE PROTECTED AS REQUIRED BY CITY OF CALABASAS AND ALL OTHER AFFECTED ENTITIES. DAMAGE TO UTILITIES SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE CITY OF CALABASAS AND TO THE SATISFACTION OF THE

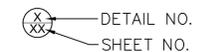
ENGINEER AND OWNER. POTHOLING IS REQUIRED.

6. **RESOURCE PROTECTION:** THE CONTRACTOR IS ADVISED OF THE PRESENCE OF SENSITIVE RESOURCES LOCATED NEAR PROJECT WORK AREAS. THE TRAIL ALIGNMENT, FENCING, STAGING AREAS AND ALL OTHER PROJECT FACILITIES HAVE BEEN CAREFULLY LOCATED TO MINIMIZE DISTURBANCE OF SENSITIVE RESOURCES. THE LIMITS OF WORK ARE SHOWN ON THE DRAWINGS. ALL CONTRACTOR ACTIVITIES, INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION ACTIVITIES, VEHICLE MAINTENANCE, AND MATERIALS AND EQUIPMENT STORAGE AND STAGING, MUST BE STRICTLY CONFINED TO THE WORK AREAS SHOWN ON THE DRAWINGS. THE LIMITS OF WORK WILL BE CAREFULLY LOCATED IN THE FIELD BY THE CONTRACTOR AND ENGINEER OF RECORD, AND ALL WORK LIMIT AREAS WILL BE PROTECTED BY STRAW WATTLES, CONSTRUCTION BARRIER FENCING, OR SILT FENCING AS SHOWN ON THE DRAWINGS.
7. **BIOLOGICAL AND CULTURAL RESOURCE MONITOR:** CITY OF CALABASAS WILL PROVIDE A QUALIFIED BIOLOGICAL/ARCHEOLOGICAL MONITOR THAT WILL INITIALLY REVIEW SITE CONSTRUCTION PROTOCOLS WITH ALL CONSTRUCTION CONTRACTOR EMPLOYEES AT A PRE-CONSTRUCTION MEETING THAT WILL BE SPECIFICALLY HELD ON RESOURCE PROTECTION. EACH EMPLOYEE ASSIGNED TO THIS PROJECT MUST PARTICIPATE IN THIS PRE-CONSTRUCTION MEETING AND DISCUSSION OF ADJACENT SENSITIVE RESOURCES, AND SIGN A STATEMENT INDICATING THAT THEY HAVE READ AND UNDERSTOOD THE PROTOCOLS AND AGREE TO ADHERE TO THEM. SIGNIFICANT BREACHES OF PROTOCOL AND FAILURE TO ADEQUATELY PROVIDE THE DEGREE OF RESOURCE PROTECTION REQUIRED BY THIS PROJECT WILL RESULT IN THE ISSUANCE OF A STOP WORK ORDER BY THE ENGINEER OR BY THE MONITOR. CITY OF CALABASAS PROVIDED MONITOR WILL CAREFULLY INSPECT ALL WORK AREAS FOR THE PRESENCE OF WILDLIFE OR CULTURAL RESOURCES PRIOR TO INSTALLATION OF PROTECTIVE BARRIER FENCING AND FIELD FENCING, AND PRIOR TO INITIATION OF CONSTRUCTION EACH DAY. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY PENALTIES AND ALL REPAIRS AND MITIGATIONS IMPOSED DUE TO BREACH OF PROTOCOL AND UNAUTHORIZED INTRUSION INTO SENSITIVE RESOURCE AREAS.
8. **CONTRACTOR RESPONSIBILITY:** BY ENTERING INTO THIS CONTRACT WITH CITY OF CALABASAS, THE CONTRACTOR AGREES TO HAVING EXAMINED THE SITE, COMPARING THE SITE CONDITIONS WITH THE DRAWINGS AND SPECIFICATIONS AND HAS CAREFULLY EXAMINED ALL OF THE CONTRACT DOCUMENTS AND IS SATISFIED AS TO THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. NO ALLOWANCE SHALL BE MADE SUBSEQUENTLY ON BEHALF OF THE CONTRACTOR DUE TO FAILURE TO BE ACQUAINTED WITH THE CONDITIONS OF THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH ALL CONSTRUCTION OPERATIONS. CONTRACTOR SHALL PROTECT ALL EXISTING ON-SITE AND OFF-SITE IMPROVEMENTS AGAINST DAMAGE RESULTING FROM OPERATIONS. RESPONSIBILITY EXTENDS TO THE CONTRACTOR'S WORKERS, SUBCONTRACTORS AND OTHERS PROVIDING SERVICES. CONTRACTOR SHALL REPAIR AND/OR REPLACE DAMAGE AT THEIR OWN EXPENSE AND TO THE SATISFACTION OF THE ENGINEER AND CITY OF CALABASAS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD CITY OF CALABASAS AND THE ENGINEER (QUESTA ENGINEERING CORPORATION) HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FROM LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF CITY OF CALABASAS OR THE ENGINEER. THIS REQUIREMENT

SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

9. **JOB SITE CONDITIONS:** CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY, TRAFFIC CONTROL, ACCESS TO AND FROM ADJOINING DRIVEWAYS AND STREETS, AND ANY LANE CLOSURES. TRASH GENERATED BY THIS WORK (CONSTRUCTION DEBRIS, PAPER, BOTTLES, CIGARETTES, ETC) SHALL BE REMOVED ON A DAILY BASIS. CONTRACTOR SHALL CONTROL DUST AT ALL TIMES WITH WATER.
10. **SAFETY AND TRAFFIC CONTROL:** ALL WORK SHALL BE IN COMPLIANCE WITH APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS AS SET FORTH BY THE FEDERAL DEPARTMENT OF LABOR AND/OR THE STATE OF CALIFORNIA AND CITY OF CALABASAS. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CALTRANS MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE OF WORK ZONES. ALL SIGNS SHALL BE APPROPRIATELY CONSTRUCTED WITH REFLECTIVE MATERIAL ON A BACKING OF METAL OR FABRIC (NO WOOD OR PLASTIC ALLOWED) AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO PROVIDE PROPER VISIBILITY, PER SECTION 12 OF THE CALTRANS SPECIAL PROVISIONS. THE CONTRACTOR SHALL MAINTAIN REASONABLE ACCESS TO ALL ROADWAYS DURING CONSTRUCTION
11. **SPECIFICATIONS:** REFER TO THE SPECIFICATIONS THAT ARE A PART OF THESE CONTRACT DOCUMENTS. COMPLY WITH ALL REGULATIONS AND CODES GOVERNING WORK PERFORMED UNDER THIS CONTRACT. REFER TO CALTRANS STANDARD PLANS AND SPECIFICATIONS AS REQUIRED.
12. **MISCELLANEOUS:** WRITTEN DIMENSIONS ALWAYS TAKE PRECEDENCE OVER SCALED DIMENSIONS IF THERE IS A CONFLICT. THE CONTRACTOR SHALL CONTACT CITY OF CALABASAS TO OBTAIN ADDITIONAL CLARIFICATION. NO DEVIATION OR SUBSTITUTION SHALL BE ALLOWED WITHOUT OBTAINING PRIOR WRITTEN APPROVAL FROM CITY AND THE ENGINEER.
13. **GEOTECHNICAL REPORT:** QUESTA ENGINEERING CORPORATION, 1220 BRICKYARD COVE ROAD, POINT RICHMOND, CA 94807. (510) 236 - 6114

### DETAIL DRAWING DESIGNATION



**\* NOT FOR CONSTRUCTION**



REVISIONS

DATE  
5/17/16

APPROVED

design:

operations:



scale: 1" = 250'

drawn: MM

checked: \_\_\_

date: 04-25-2016

RESTORATION PLAN  
LAS VIRGENES CREEK RESTORATION PROJECT PHASE 2  
CALABASAS, CA

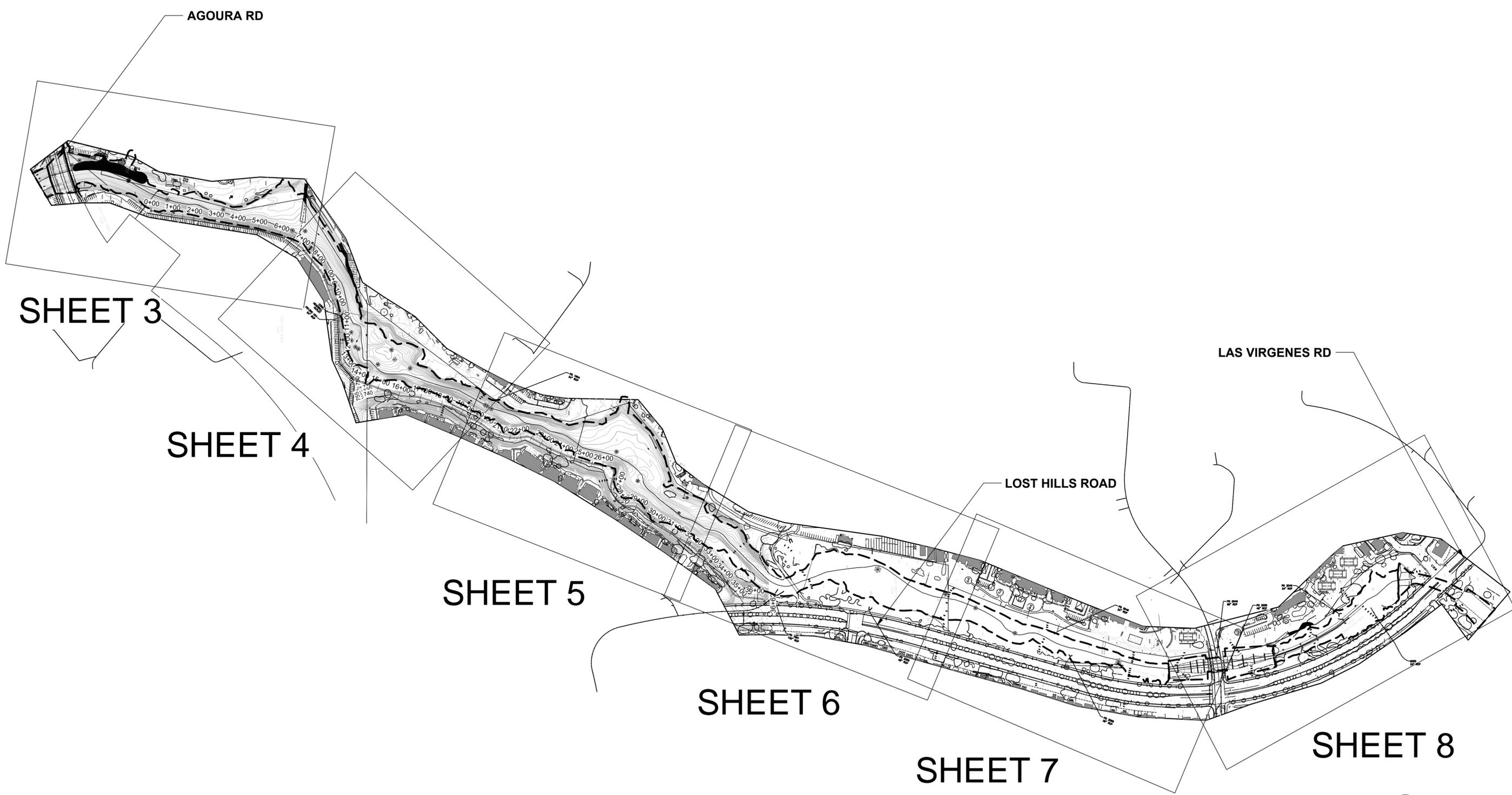
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CONTRACT NO.

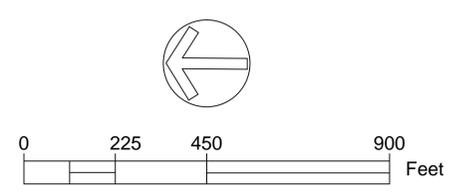
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OF : 9



**\* NOT FOR CONSTRUCTION**



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 operations:



scale: 1" = 250'  
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 date: 04-25-16

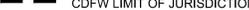
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 CALABASAS, CA  
 PROJECT NO.1500058

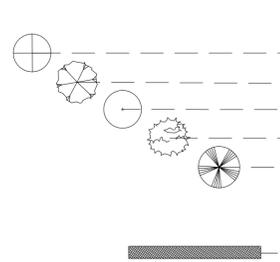
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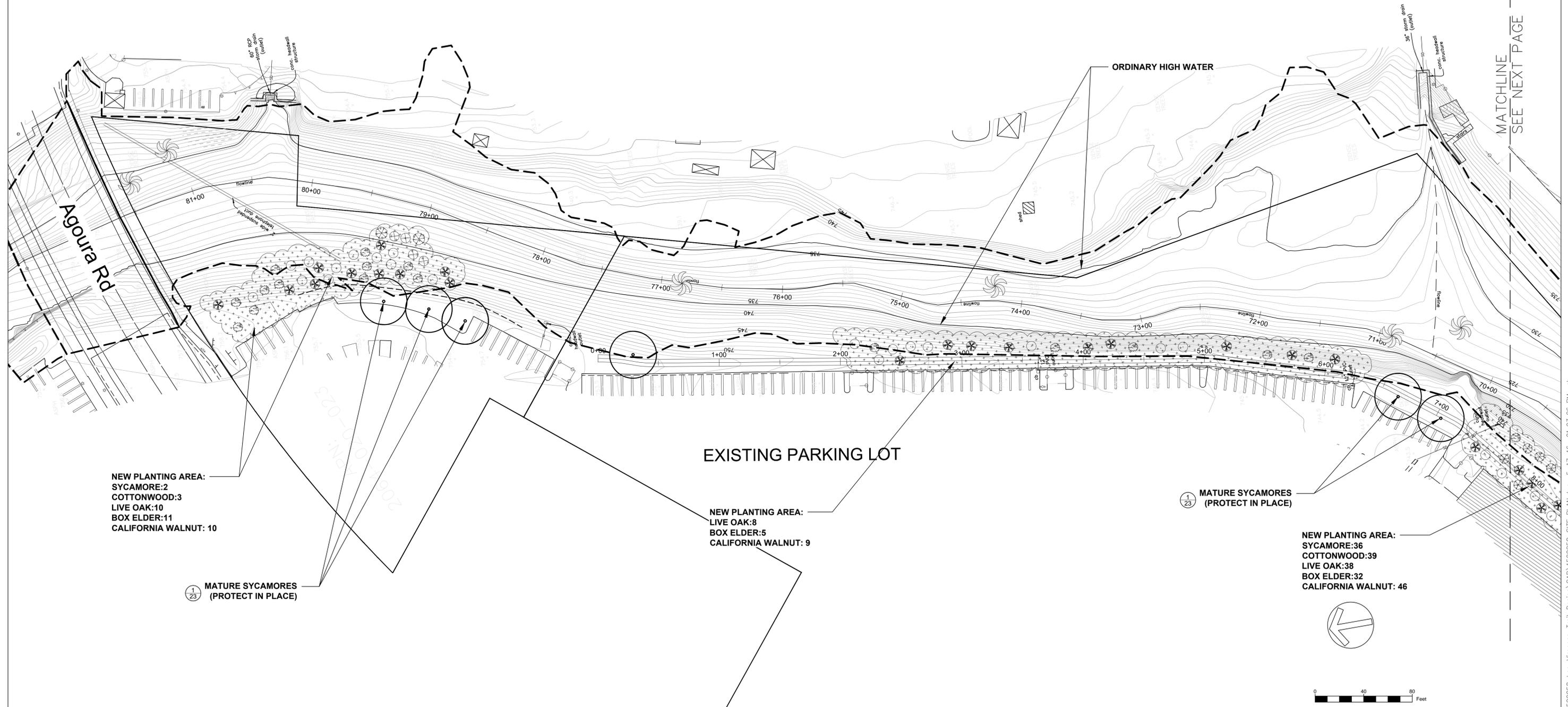
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-  TREE PROTECT IN PLACE
-  CDFW LIMIT OF JURISDICTION
-  ORDINARY HIGH WATER (OHW)



COMMON NAME	SCIENTIFIC NAME	QUANTITY (1 GAL)
Sycamore	Plantanus racemosa	52
Cottonwood	Populus fremontii	80
Live Oak	Quercus agrifolia	82
Box Elder	Acer negundo	62
California Walnut	Juglans Californica	58
<b>Total Trees To Be Planted</b>		<b>334</b>
COMMON NAME	SCIENTIFIC NAME	LIVE STAKE
Arroyo Willow	Salix lasiolepis	584

**EXISTING RESIDENCES**



**NEW PLANTING AREA:**  
 SYCAMORE:2  
 COTTONWOOD:3  
 LIVE OAK:10  
 BOX ELDER:11  
 CALIFORNIA WALNUT: 10

**EXISTING PARKING LOT**

**NEW PLANTING AREA:**  
 LIVE OAK:8  
 BOX ELDER:5  
 CALIFORNIA WALNUT: 9

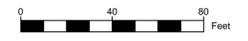
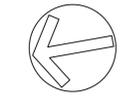
**MATURE SYCAMORES (PROTECT IN PLACE)**

**NEW PLANTING AREA:**  
 SYCAMORE:36  
 COTTONWOOD:39  
 LIVE OAK:38  
 BOX ELDER:32  
 CALIFORNIA WALNUT: 46

**MATURE SYCAMORES (PROTECT IN PLACE)**

**\* NOT FOR CONSTRUCTION**

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REVISIONS	DATE
△ ADDED TREES	5/17/16

APPROVED

design: 

operations:

scale: 1" = 40'  
 drawn: MM  
 checked: \_\_\_  
 date: 04-25-2016

**RESTORATION PLAN**  
 LAS VIRGENES CREEK RESTORATION PROJECT PHASE 2  
 CALABASAS, CA  
 PROJECT NO.1500058

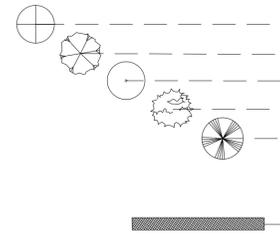
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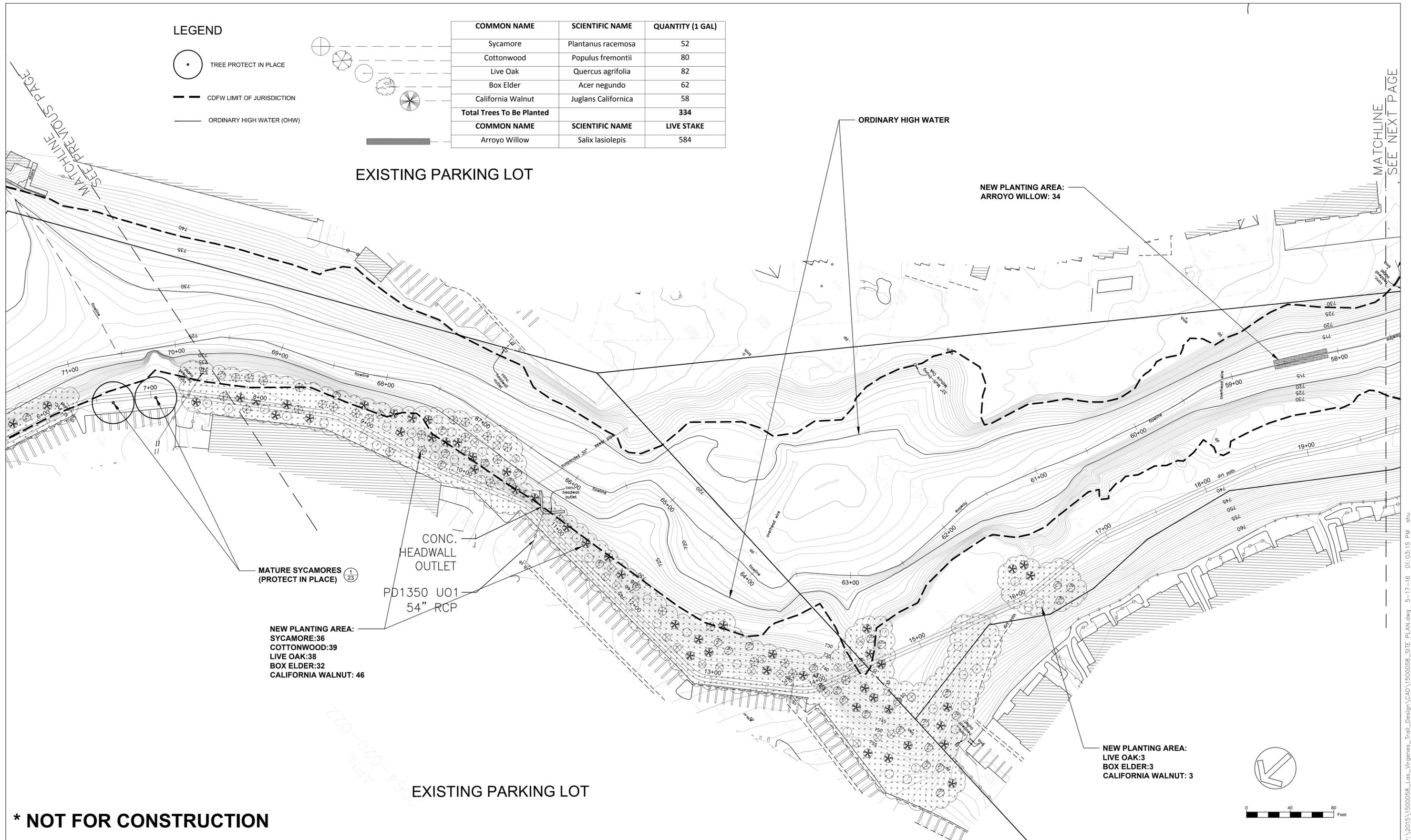
-  TREE PROTECT IN PLACE
-  CDFW LIMIT OF JURISDICTION
-  ORDINARY HIGH WATER (OHW)



COMMON NAME	SCIENTIFIC NAME	QUANTITY (1 GAL)
Sycamore	Plantanus racemosa	52
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<b>Total Trees To Be Planted</b>		<b>334</b>
COMMON NAME	SCIENTIFIC NAME	LIVE STAKE
Arroyo Willow	Salix lasiolepis	584

EXISTING PARKING LOT

NEW PLANTING AREA:  
ARROYO WILLOW: 34



MATURE SYCAMORES  
(PROTECT IN PLACE) ① 23

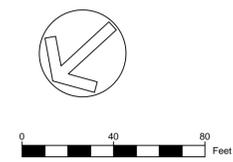
CONC.  
HEADWALL  
OUTLET  
PD1350 U01  
54" RCP

NEW PLANTING AREA:  
SYCAMORE:36  
COTTONWOOD:39  
LIVE OAK:38  
BOX ELDER:32  
CALIFORNIA WALNUT: 46

NEW PLANTING AREA:  
LIVE OAK:3  
BOX ELDER:3  
CALIFORNIA WALNUT: 3

EXISTING PARKING LOT

**\* NOT FOR CONSTRUCTION**



- ▲ ADDED TREES
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REVISIONS

DATE  
5/17/16

APPROVED

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date: 04-25-2016

RESTORATION PLAN  
LAS VIRGENES CREEK RESTORATION PROJECT PHASE 2  
CALABASAS, CA

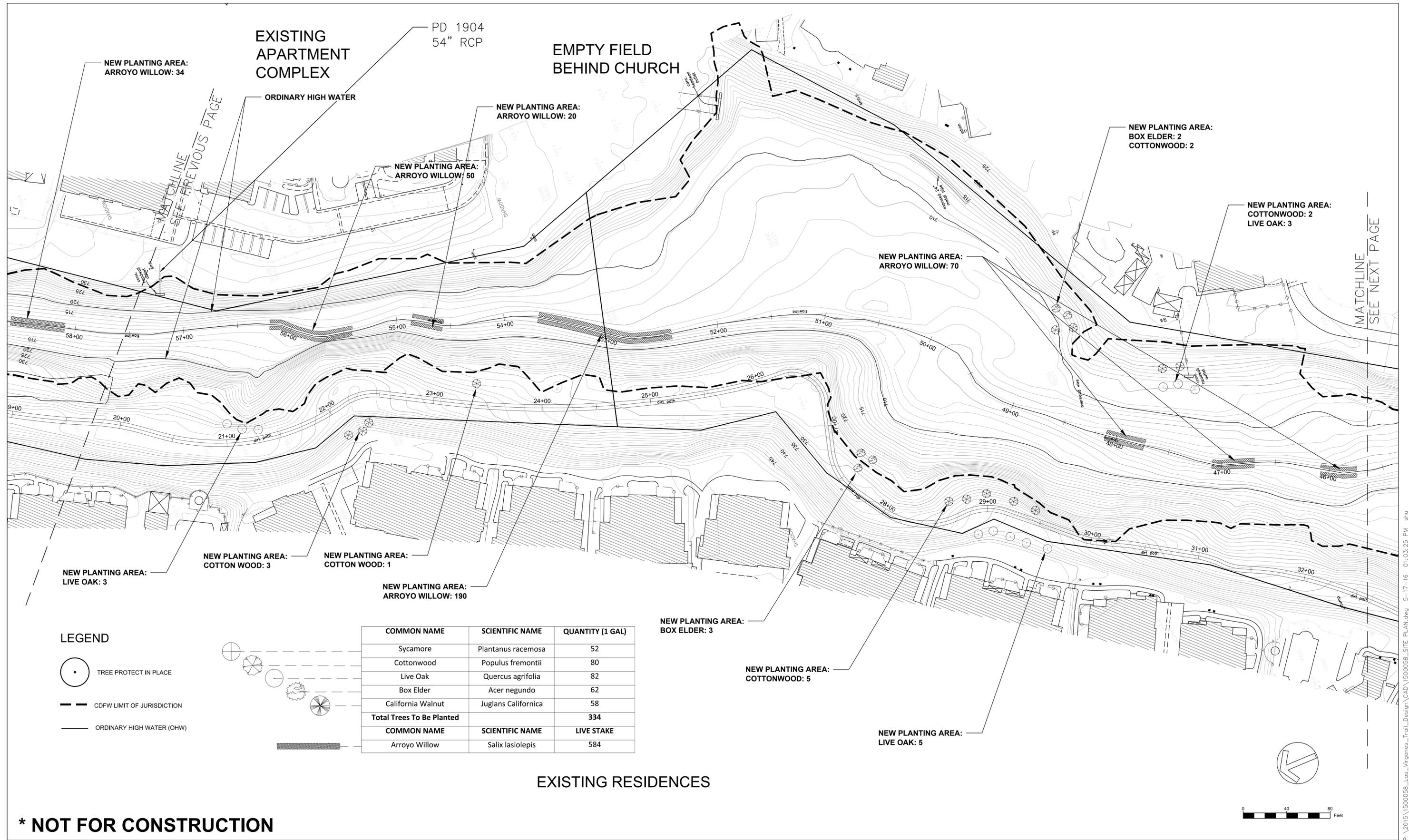
PROJECT NO.1500058

CONTRACT NO.

SHEET NO.

4

OF : 9



EXISTING APARTMENT COMPLEX

EMPTY FIELD BEHIND CHURCH

EXISTING RESIDENCES

NEW PLANTING AREA:  
ARROYO WILLOW: 34

NEW PLANTING AREA:  
ARROYO WILLOW: 20

NEW PLANTING AREA:  
BOX ELDER: 2  
COTTONWOOD: 2

NEW PLANTING AREA:  
COTTONWOOD: 2  
LIVE OAK: 3

NEW PLANTING AREA:  
ARROYO WILLOW: 70

NEW PLANTING AREA:  
COTTON WOOD: 3

NEW PLANTING AREA:  
COTTON WOOD: 1

NEW PLANTING AREA:  
ARROYO WILLOW: 190

NEW PLANTING AREA:  
BOX ELDER: 3

NEW PLANTING AREA:  
COTTONWOOD: 5

NEW PLANTING AREA:  
LIVE OAK: 5

**LEGEND**

-  TREE PROTECT IN PLACE
-  CDFW LIMIT OF JURISDICTION
-  ORDINARY HIGH WATER (OHW)

COMMON NAME	SCIENTIFIC NAME	QUANTITY (1 GAL)
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COMMON NAME	SCIENTIFIC NAME	LIVE STAKE
Arroyo Willow	Salix lasiolepis	584

**\* NOT FOR CONSTRUCTION**

 ADDED TREES  
 REVISIONS  
 DATE 5/17/16

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 design:  
 operations:  


scale: 1" = 40'  
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 checked: \_\_\_  
 date: 04-25-2016

**RESTORATION PLAN**  
 LAS VIRGENES CREEK RESTORATION PROJECT PHASE 2  
 CALABASAS, CA  
 PROJECT NO.1500058

CONTRACT NO.

SHEET NO.  
**5**  
 OF : 9

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**LEGEND**



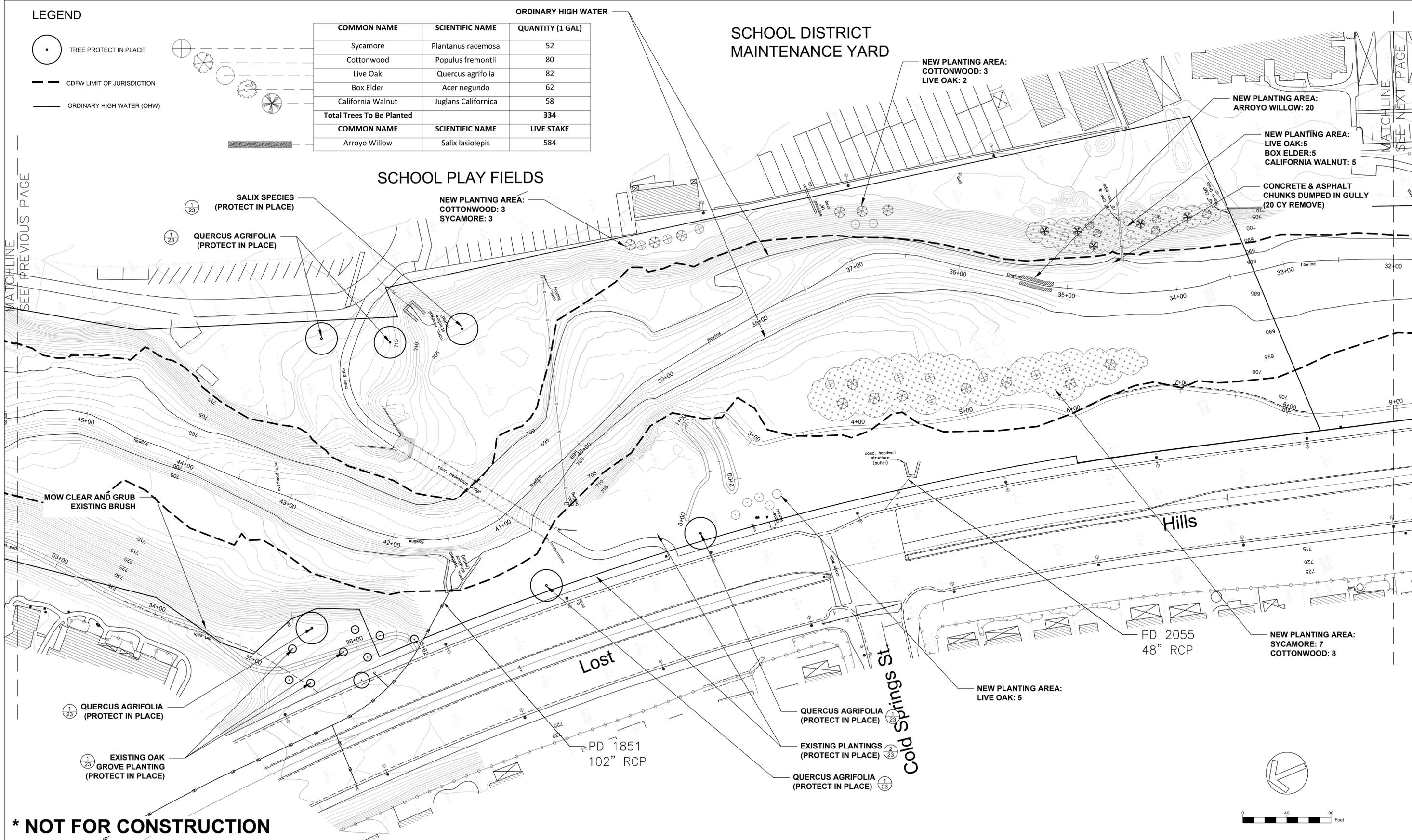
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Sycamore	Plantanus racemosa	52
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COMMON NAME	SCIENTIFIC NAME	LIVE STAKE
Arroyo Willow	Salix lasiolepis	584

**SCHOOL DISTRICT MAINTENANCE YARD**

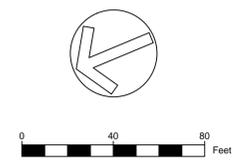
**SCHOOL PLAY FIELDS**

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**\* NOT FOR CONSTRUCTION**



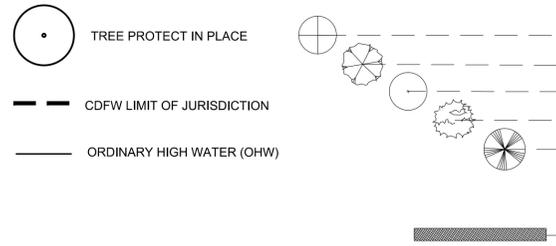
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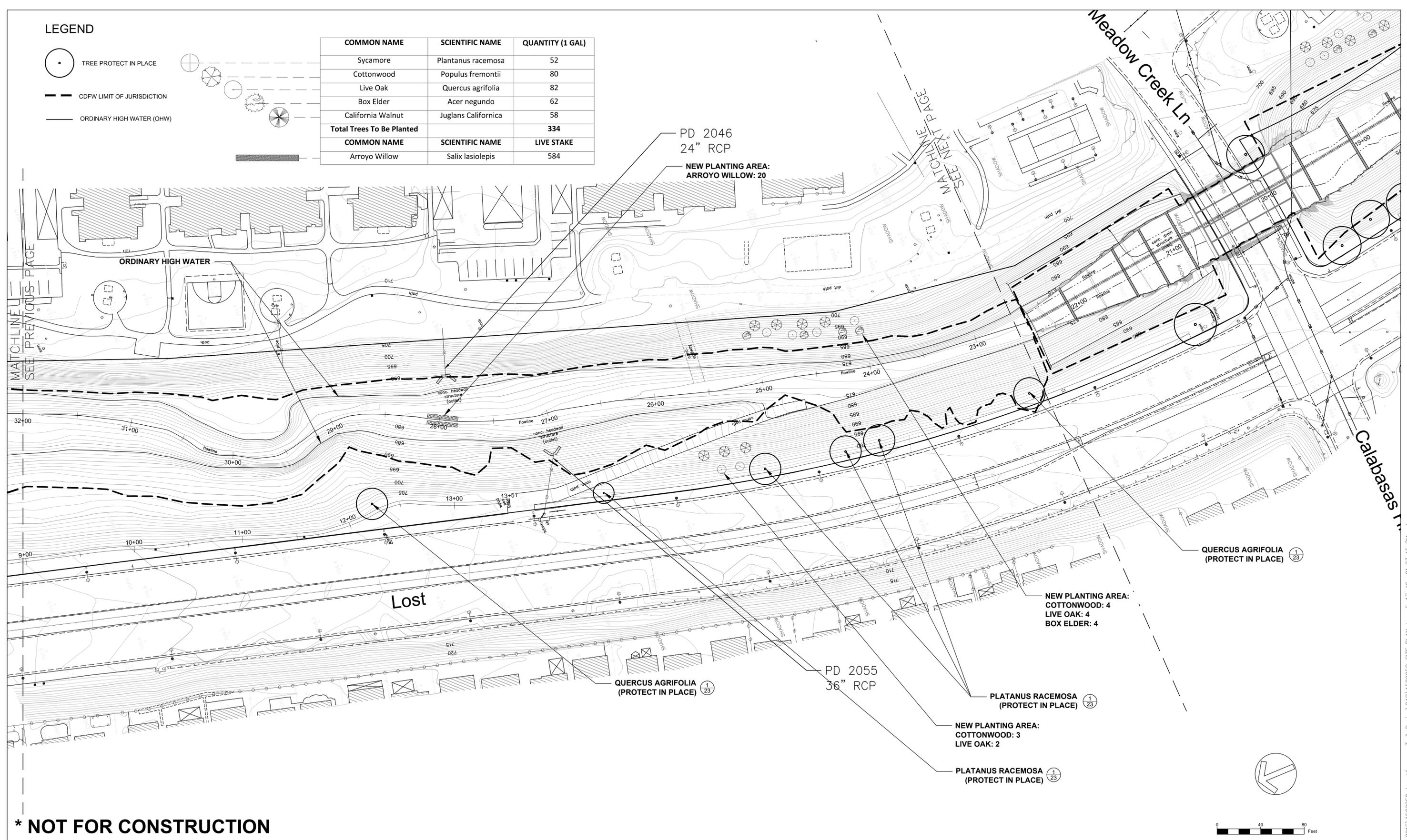
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PROJECT NO.1500058	OF : 9
CONTRACT NO.	

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**LEGEND**



COMMON NAME	SCIENTIFIC NAME	QUANTITY (1 GAL)
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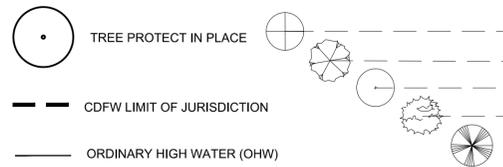
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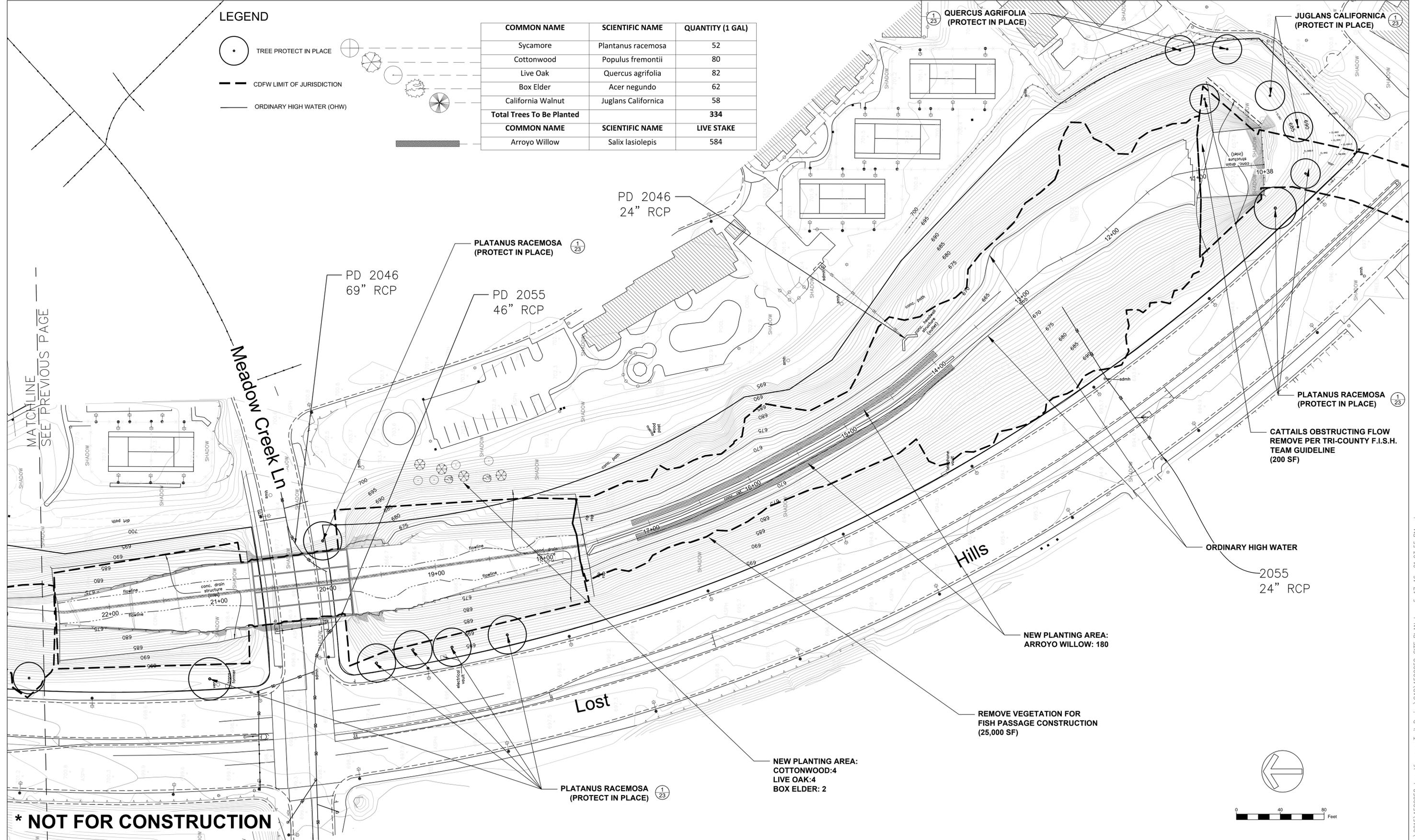
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**LEGEND**



COMMON NAME	SCIENTIFIC NAME	QUANTITY (1 GAL)
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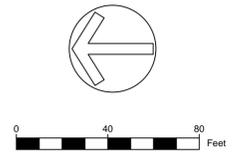


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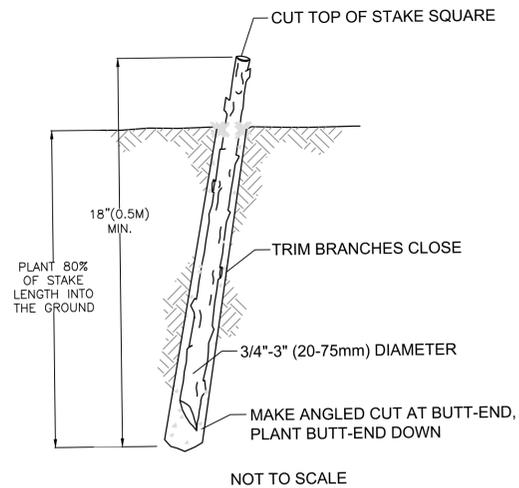
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 LAS VIRGENES CREEK RESTORATION PROJECT PHASE 2  
 CALABASAS, CA  
 PROJECT NO.1500058



CONTRACT NO.

SHEET NO.  
 8  
 OF : 9

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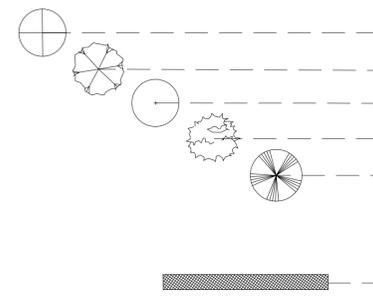


- NOTES:
1. HARVEST AND PLANT STAKES DURING THE DORMANT SEASON.
  2. USE HEALTHY, STRAIGHT AND LIVE WOOD AT LEAST 1 YEAR OLD.
  3. MAKE CLEAN CUTS AND DO NOT DAMAGE STAKES OR SPLIT ENDS DURING INSTALLATION, USE A PILOT BAR IN FIRM SOILS.
  4. SOAK CUTTINGS FOR 24 HOURS (MIN.) PRIOR TO INSTALLATION.
  5. TAMP THE SOIL AROUND THE STAKE.

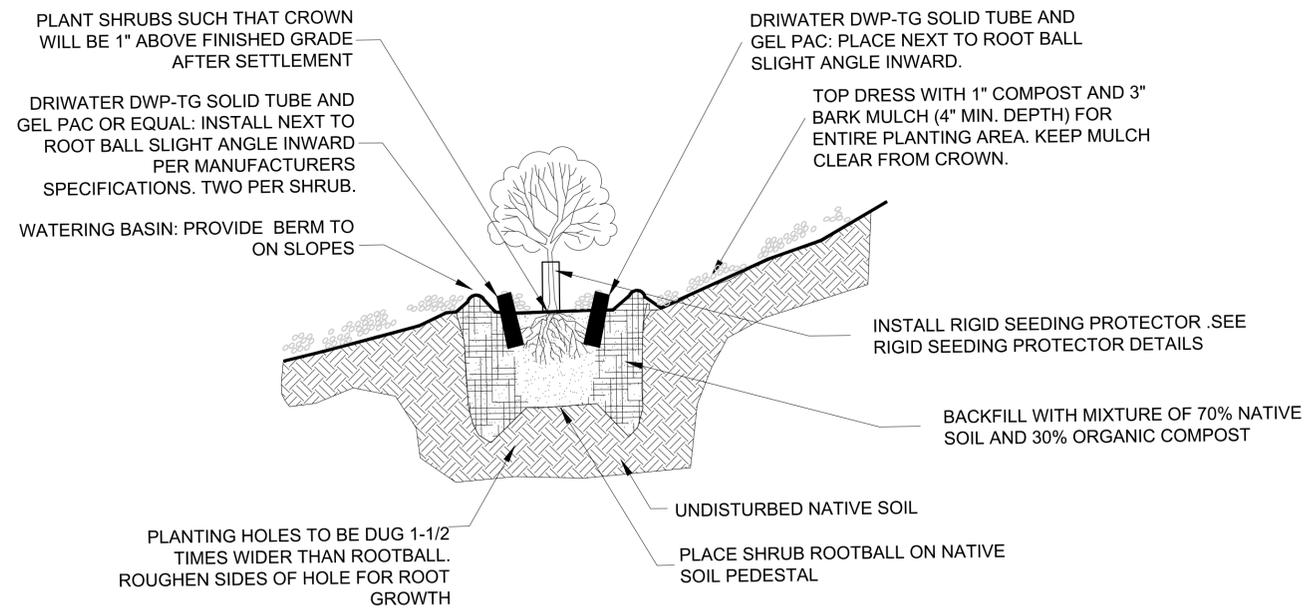
### LIVE WILLOW STAKE

### LEGEND

- TREE PROTECT IN PLACE
- CDFW LIMIT OF JURISDICTION
- ORDINARY HIGH WATER (OHW)



COMMON NAME	SCIENTIFIC NAME	QUANTITY (1 GAL)
Sycamore	Plantanus racemosa	52
Cottonwood	Populus fremontii	80
Live Oak	Quercus agrifolia	82
Box Elder	Acer negundo	62
California Walnut	Juglans Californica	58
<b>Total Trees To Be Planted</b>		<b>334</b>
COMMON NAME	SCIENTIFIC NAME	LIVE STAKE
Arroyo Willow	Salix lasiolepis	584



### DRI-WATER SHRUB PLANTING

HYDROSEED MIX (ALL DISTURBED AREAS)				
NAME	SCIENTIFIC NAME	APPLICATION RATE	TOTAL AREA (ACRES)	TOTAL SEED (lbs)
S & S SEED CHAPARRAL SCRUB MIX	SAGE	N/A	1.83 ACRES	56.35

**\* NOT FOR CONSTRUCTION**

- △ TREE ADDED
- △
- △
- △

REVISIONS DATE 5/17/16

APPROVED  
design:  
operations:



scale: 1" = 50'  
drawn: MM  
checked: \_\_\_  
date: 04-25-2015

RESTORATION LEGEND AND DETAILS  
LAS VIRGENES CREEK RESTORATION PROJECT PHASE 2  
CALABASAS, CA  
PROJECT NO.1500058

CONTRACT NO.

SHEET NO. 9  
OF : 9