

**American River Flood Control District
County of Sacramento Regional Parks - Native Plantings
Staff Report**

Discussion:

The County of Sacramento Regional Parks submitted an encroachment permit application for the planting of native plants at Discovery Park. The plants consist of trees such as ash, willow, cottonwood, elder, oak, and sycamore and shrubs such as wild rose and native blackberry. The planting work is proposed to be conducted in November and December 2023.

The planting and inclusion of these trees and shrubs will not have an impact on the levee operations and maintenance of the District nor will it have a significant impact on the hydraulic capacity of the American River.

Recommendation:

The General Manager recommends that the Board of Trustees endorse the permit application from Regional Parks.

**APPLICATION FOR A CENTRAL VALLEY FLOOD PROTECTION BOARD
ENCROACHMENT PERMIT**

Application No. _____
(For Office Use Only)

1. Description of proposed work being specific to include all items that will be covered under the issued permit.

Native plantings will be installed in the restoration site areas. The sites selected are generally open fields that present an opportunity for restoration and enhancement. Exposed soils will be treated prior to the winter period with native seed of known genetic origin. Site Preparation equipment will be limited to the planting areas and will be performed using hand tools. Light mechanical tools such as a string trimmers or mechanical mowers may be used to clear grass and weeds.

2. Project
Location: American River Parkway County, in Section Sacramento
Township: Landgrants, see attached (N) (E)
(S), Range: see attached (W), M. D. B. & M.
Latitude: 38.6257 and 38.6022 Longitude: -121.2765 & -121.503
Stream: American River, Levee: n/a Designated Floodway: Regulatory floodway
APN: attached list of 18 parcels

3. County of Sacramento of 10361 Rockingham Drive, Suite 100
Name of Applicant / Land Owner Address
Sacramento CA 95827 916-875-1608
City State Zip Code Telephone Number
maretm@sacounty.net
E-mail

4. Stephanie Martin of NCRM, Inc.
Name of Applicant's Representative Company
Ukiah CA 95482 530-263-4063
City State Zip Code Telephone Number
smartin@ncrm.com
E-mail

5. Endorsement of the proposed project from the Local Maintaining Agency (LMA):

We, the Trustees of _____ approve this plan, subject to the following conditions:
Name of LMA

- Conditions listed on back of this form Conditions Attached No Conditions

Trustee _____ Date _____ Trustee _____ Date _____
Trustee _____ Date _____ Trustee _____ Date _____

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

This environmental assessment questionnaire must be completed for all Central Valley Flood Protection Board applications. Please provide an explanation where requested. Incomplete answers may result in delays in processing permit applications. Failure to complete the questionnaire may result in rejection of the application.

1. Has an environmental assessment or initial study been made or is one being made by a local or State permitting agency in accordance with the California Environmental Quality Act? Yes No

If yes, identify the Lead Agency, type of document prepared or which will be prepared, and the State Clearinghouse Number:

CDFW 1600 permit #SAC-21872-R2

2. Will the project require certification, authorization or issuance of a permit by any local, State or federal environmental control agency? Yes No

List all other governmental permits or approvals necessary for this project or use, including U.S. Army Corps of Engineers' 404 and Section 10 permits, State Water Quality Certification, Department of Fish and Game 1600 agreement, etc. Attach copies of all applicable permits.

1600 from CDFW.

3. Give the name and address of the owner of the property on which the project or use is located. Please submit a copy of your current Title Report (Grant Deed), if your proposed project includes a private residence.

Not applicable.

4. Will the project or use require issuance of a variance or conditional use permit by a city or county?

Yes No

Explain:

Sacramento County will need to supply a "Permit to Enter and Construct".

5. Is the project or use currently operating under an existing use permit issued by a local agency?

Yes No

Explain:

**ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS
FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS**

6. Describe all types of vegetation growing on the project site, including trees, brush, grass, etc.

Lower Sunrise is currently a field of star thistle with some native oaks and elderberry scattered around. Discovery site burned in 2020; we are replanting with native trees and shrubs while also treating the non-natives and invasive species that have grown in. On the edges of the burned area there are native oaks and elderberry. No existing native vegetation will be removed for our plantings.

7. Describe what type of wildlife or fish may use the project site or adjoining areas for habitat, food source, nesting sites, source of water, etc.

Adjacent to the planting sites there may be nesting birds using the existing trees, and in the river there are expected to be salmonid species. Additionally, a known site of milkweed at the Sunrise site in the proximity of the hose bib at the north end of the mitigation area. This population of milkweed will be identified and flagged for protection prior to work.

8. Has the Department of Fish and Game, U.S. Fish and Wildlife Service, or National Marine Fisheries Service been consulted relative to the existence of, or impacts to, threatened or endangered species on or near the project site?

Yes No

Explain:

Special-status species have been reviewed and a notification of nearby monarch habitat has been noted and avoided by the project.

No federally listed species are expected to be impacted by the project.

9. Will the project or use significantly change present uses of the project area?

Yes No

Explain:

The project area will, overtime, provide native trees and shrubs, and shade to portions of the American River Parkway.

10. Will the project result in changes to scenic views or existing recreational opportunities?

Yes No

Explain:

The sites currently have some native vegetation and canopy cover. Our proposed plantings will not impact the scenic views or recreational opportunities any further than they do in their current state.

11. Will the project result in the discharge of silt or other materials into a body of water?

Yes No

Explain:

There is not expected to be any discharge material created from our proposed project. Any garbage or non-native vegetation removed will be taken off site and disposed of properly.

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS
FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

12. Will the project involve the application, use, or disposal of hazardous materials? Yes No

If yes, list the types of materials, proposed use, and disposal plan. Provide copies of all applicable hazardous material handling plans.

Application of herbicide to treat the invasive star-thistle may be needed for site preparation in the fall of 2023.
Herbicide Grapple = rimsulfuron

13. Will construction activities or the completed project generate significant amounts of noise?

Yes No

Explain:

Crews will be on site for a couple of days to prep the site and to plant the site. The only additional noise will be trucks delivering the plants to the site.

14. Will construction activities or the completed project generate significant amounts of dust, ash, smoke, fumes, or odors?

Yes No

Explain:

15. Will the project activities or uses involve the burning of brush, trees, or construction materials, etc?

Yes No

Explain, and identify safety and air pollution control measures:

No burning will take place.

16. Will the project affect existing agricultural uses or result in the loss of existing agricultural lands?

Yes No

Explain:

**ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS
FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS**

17. Have any other projects similar to the proposed project been planned or completed in the same general area as the proposed project?

Yes No

Explain and identify any other similar projects:

None identified.

18. Will the project have the potential to encourage, facilitate, or allow additional or new growth or development?

Yes No

Explain:

19. Will materials be excavated from the floodplain? Yes No If yes, please answer the remaining questions.

**THE REMAINING QUESTIONS MUST ONLY BE ANSWERED IF THE ANSWER TO QUESTION
NO. 19 WAS "YES". IF THE ANSWER TO QUESTION NO. 19 WAS "NO", YOU DO NOT
NEED TO COMPLETE THE REMAINING QUESTIONS.**

A. What is the volume of material to be excavated?

Annually _____ Total _____

B. What types of materials will be excavated?

C. Will the project site include processing and stockpiling of material on site?

Yes No

Explain:

D. What method and equipment will be used to excavate material?

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS
FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

E. What is the water source for the project?

County of Sacramento has hose bibs and fire hydrants available for use on the two sites.

F. How will waste materials wash water, debris, and sediment be disposed of?

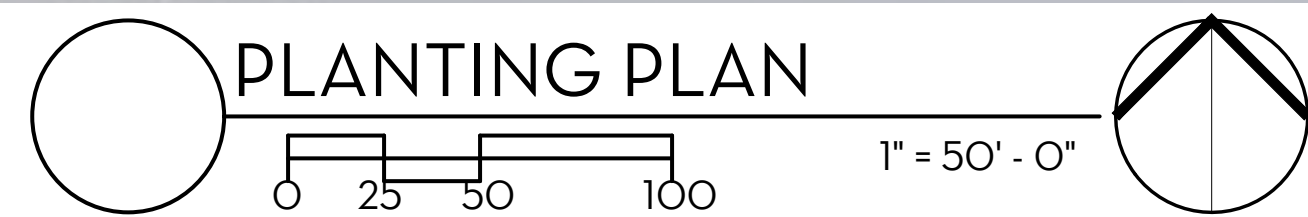
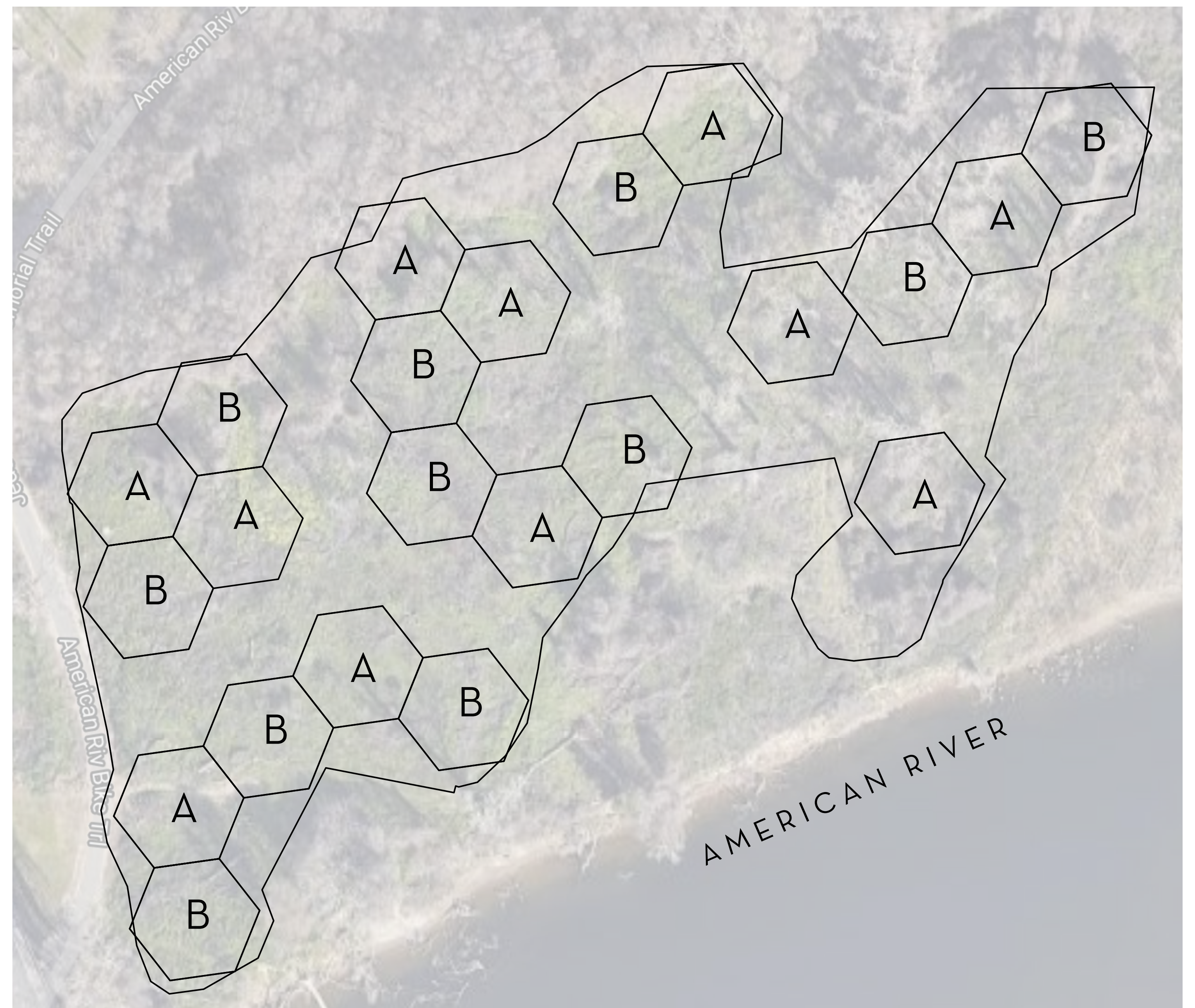
Non-native vegetation and trash removed from the site will be disposed of at the local landfill.

G. What is the proposed end land use for the project site?

Open, public space.

H. Has a reclamation plan been prepared for this site in accordance with the Surface Mining and Reclamation Act of 1975?

Yes No If yes, please attach a copy.

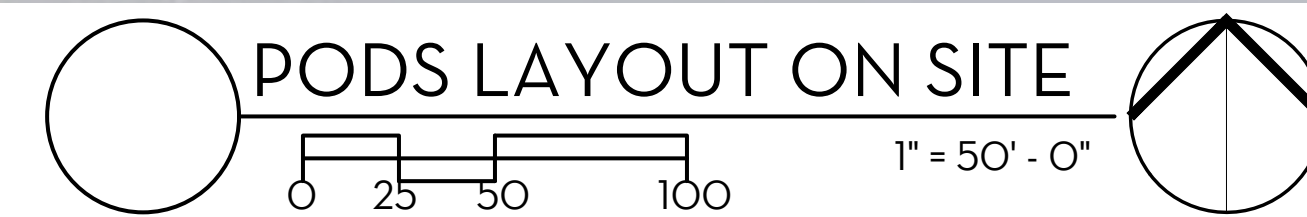


PLANTING PLAN

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME
	ACE NEG	22	ACER NEGUNDO	BOX ELDER
	FRA LAT	11	FRAXINUS LATIFOLIA	OREGON ASH
	PLA RAC	22	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE
	POP FRE	22	POPULUS FREMONTII	FREMONT COTTONWOOD
	QUE LOB	11	QUERCUS LOBATA	VALLEY OAK
	SAL LAS	33	SALIX LASIOLEPIS	ARROYO WILLOW
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME
	ROS CAL	88	ROSA CALIFORNICA	CALIFORNIA WILD ROSE
	RUB URS	44	RUBUS URSINUS	CALIFORNIA BLACKBERRY

IRRIGATION NOTES:

- AN AUTOMATED DRIP IRRIGATION SYSTEM WILL BE DESIGNED AND INSTALLED FOR ALL NEW PLANTINGS.
- ALL IRRIGATION SYSTEM COMPONENTS SHALL BE REMOVED FIVE YEARS AFTER INSTALLATION.



PODS LAYOUT ON SITE



NORTH COAST RESOURCE MANAGEMENT, INC.

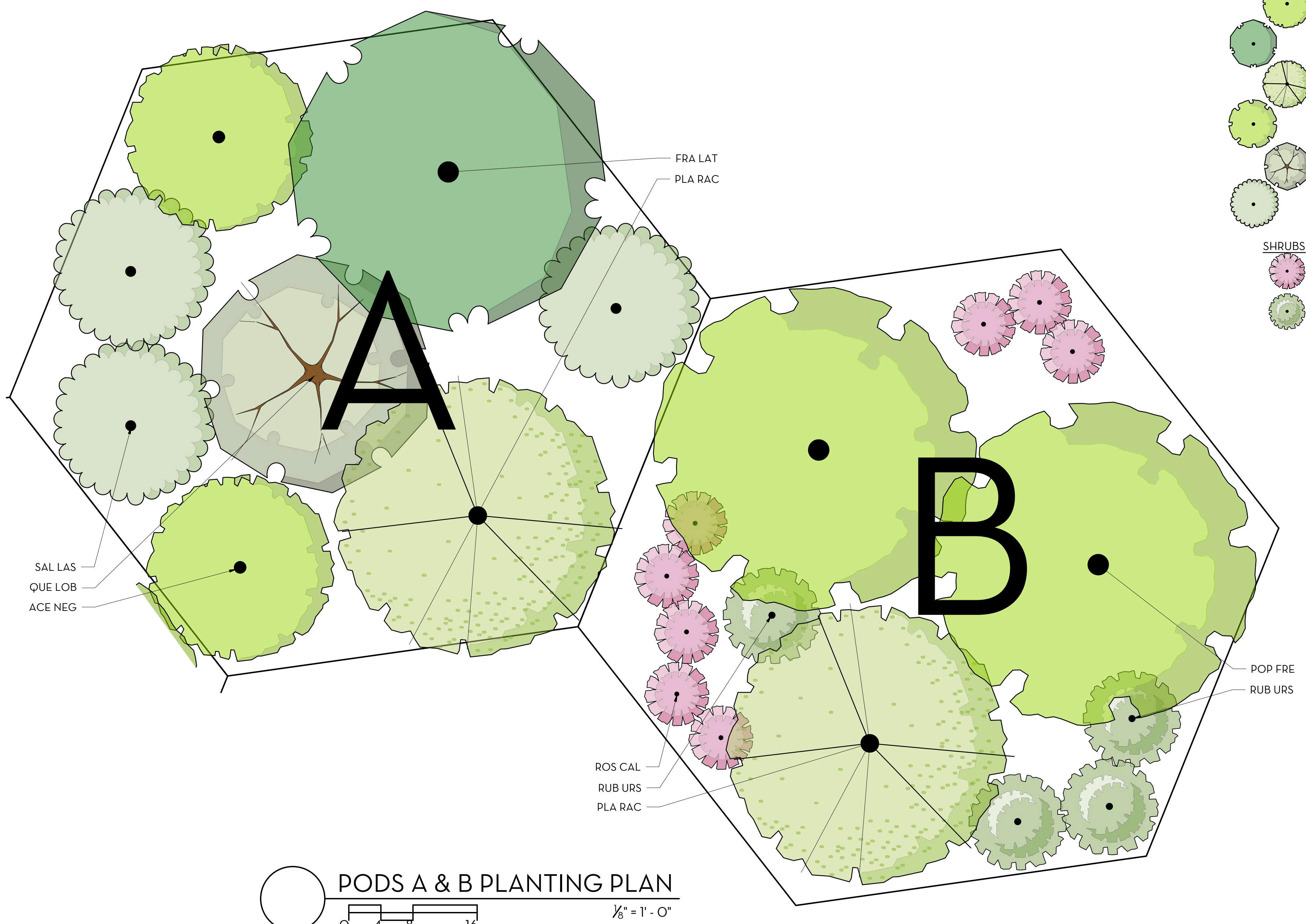
2501 NORTH STATE STREET, UKIAH, CA. 95482
(707) 485-7211 WWW.NCRM.COM



403 LONG STREET, NEVADA CITY, CA 95959
(530) 559-3007 WWW.KARINKAUFMAN.NET

DISCOVERY PARK RESTORATION PLANTING PLAN

1/6/23



PLANT LEGEND

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME
	ACE NEG	22	ACER NEGUNDO	BOX ELDER
	FRA LAT	11	FRAXINUS LATIFOLIA	OREGON ASH
	PLA RAC	22	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE
	POP FRE	22	POPULUS FREMONTII	FREMONT COTTONWOOD
	QUE LOB	11	QUERCUS LOBATA	VALLEY OAK
	SAL LAS	33	SALIX LASIOLEPIS	ARROYO WILLOW
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME
	ROS CAL	88	ROSA CALIFORNICA	CALIFORNIA WILD ROSE
	RUB URS	44	RUBUS URSINUS	CALIFORNIA BLACKBERRY

PODS A & B PLANTING PLAN
 0 4 8 16 1/8" = 1' - 0"



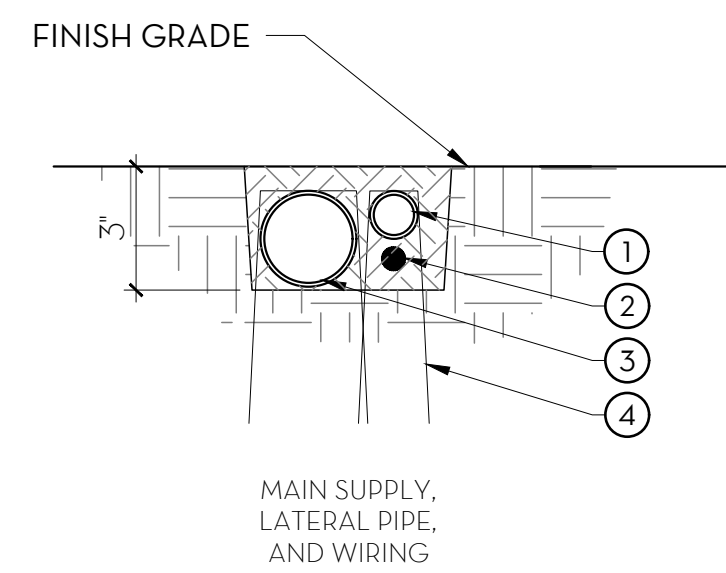
NORTH COAST RESOURCE MANAGEMENT, INC.
 2501 NORTH STATE STREET, UKIAH, CA. 95482
 (707) 485-7211 WWW.NCRM.COM



DISCOVERY PARK RESTORATION PLANTING PLAN

1/6/23

L2



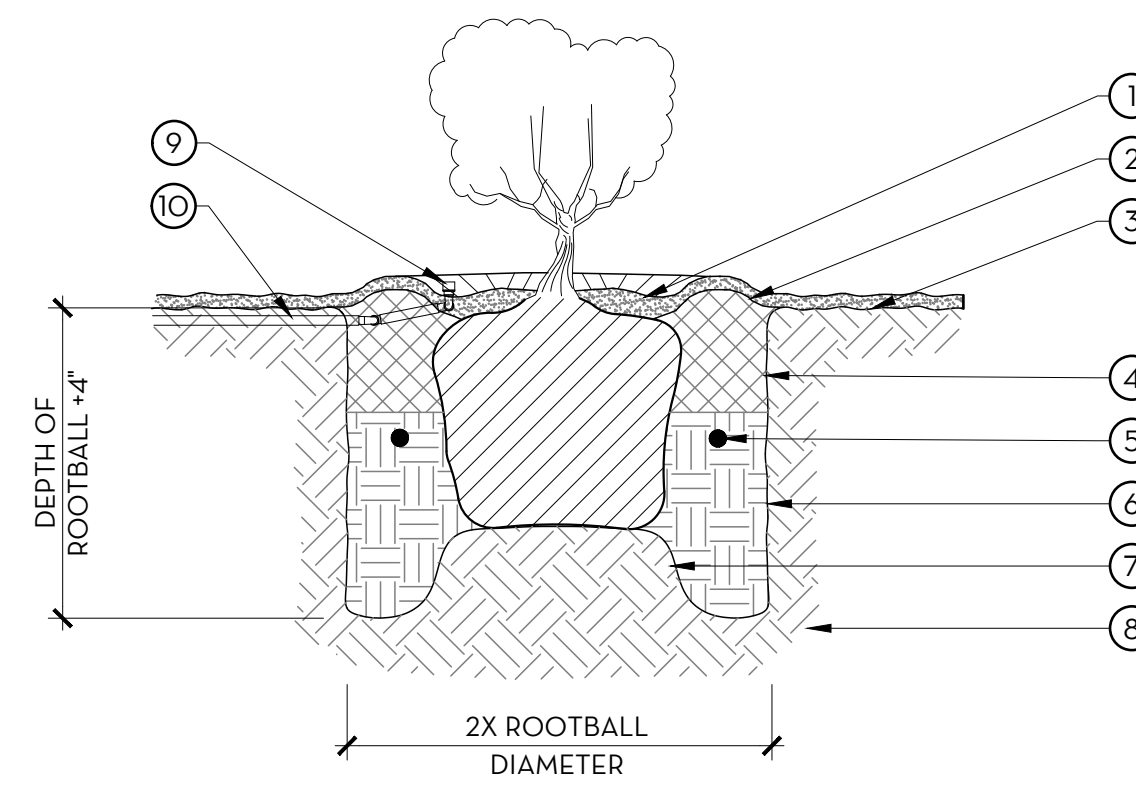
KEY NOTES

1. 1/2" TO 3/4" IRRIGATION LATERAL
2. WIRING, TAPE AND BUNDLE WIRING AT 10'-0" INTERVALS.
3. 1" IRRIGATION MAIN LINE
4. 6" STAPLES, 5'-0" O.C. STAGGER TO PREVENT CONFLICT.

NOTES

1. IRRIGATION SYSTEM IS TEMPORARY. ALL PIPING, WIRING, VALVES, EMITTERS, AND ANY OTHER COMPONENTS SHALL BE REMOVED 5 YEARS AFTER INSTALLATION.
2. TRENCHES SHALL BE DUG BY HAND.
3. TRENCH BACKFILL SHALL BE NATIVE MATERIAL, FREE OF ROCKS AND OTHER SHARPS. COMPACT TO 90% MINIMUM, RELATIVE COMPACTION.

SECTION: TRENCHING DETAIL
NOT TO SCALE



KEY NOTES

1. 3" LAYER OF BARK MULCH
2. 3" TALL EARTH BERM FOR WATER BASIN
3. ROOTBALL CROWN HELD 1" ABOVE FINISH GRADE
4. BACKFILL MIX: (1/2 DEPTH OF ROOTBALL HEIGHT)
- 70% PULVERIZED NATIVE SOIL
- 30% KELLOGG GROMULCH
5. FERTILIZER PAKS (21 GRAM, 20-10-5)
6. PULVERIZED NATIVE SOIL
7. ROOTBALL MOUND, FOOT TAMP
8. EXISTING UNDISTURBED SOIL
9. IRRIGATION BUBBLER
10. IRRIGATION LATERAL PIPE

NOTE

EACH PLANT SHALL BE PLANTED WITH THE FOLLOWING PROTECTION MEASURES:
- DIGGER'S ROOT GUARD WIRE BASKET
- TREE SENTRY, AVAILABLE AT SUMMIT ENVIRONMENTAL GROUP, LLC, TREESENTRY.COM, (419) 720-0187

SECTION: PLANTING DETAIL
NOT TO SCALE



**NORTH COAST RESOURCE
MANAGEMENT, INC.**

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**DISCOVERY PARK
PLANTING & IRRIGATION DETAILS**

1/6/23

L3

<i>Discovery Park Planting Specs</i>		
Common Name	Scientific Name	Number Proposed for Planting
Trees		
Box elder	<i>Acer negundo</i>	22
Oregon ash	<i>Fraxinus latifolia</i>	11
California sycamore	<i>Platanus racemosa</i>	22
Fremont cottonwood	<i>Populus fremontii</i>	22
Valley oak	<i>Quercus lobata</i>	11
Arroyo willow	<i>Salix lasiolepis</i>	33
Shrubs		
California wild rose	<i>Rosa californica</i>	88
California blackberry	<i>Rubus ursinus</i>	44
Total=		253