

**RECLAMATION DISTRICT NO. 1601  
TWITCHELL ISLAND  
BOARD OF TRUSTEES MEETING  
TUESDAY, SEPTEMBER 19, 2023  
9:00 AM  
ENGINEER'S REPORT**

**I. PROJECT FUNDING AGREEMENT TW – 21 - 1.0 TIMES PROJECT**

- A. Review status of “Times” Project and meeting with held with DWR on Friday 9/8/23 @ 9:30 AM.
- B. Review DWR’s endorsement of RD 1601’s standard levee template and levee footprint to establish appropriate setbacks for future mitigation plantings.

***EXHIBIT A: RD 1601’s standard levee template adjacent to the TIMES mitigation area.***

***EXHIBIT B: DWR’s endorsement dated 9/11/23 of RD 1601’s standard levee template adjacent to the TIMES mitigation area.***

- C. Review DWR’s Native Grass Seeding plan for the upper bench area of the TIMES project. Discuss KSN Inc.’s efforts to get this project out to bid and seek authorization to solicit bids for subject work from the Board of Trustees

***EXHIBIT C: DWR’s Native Grass Seeding DRAFT Plan dated 9/7/23.***

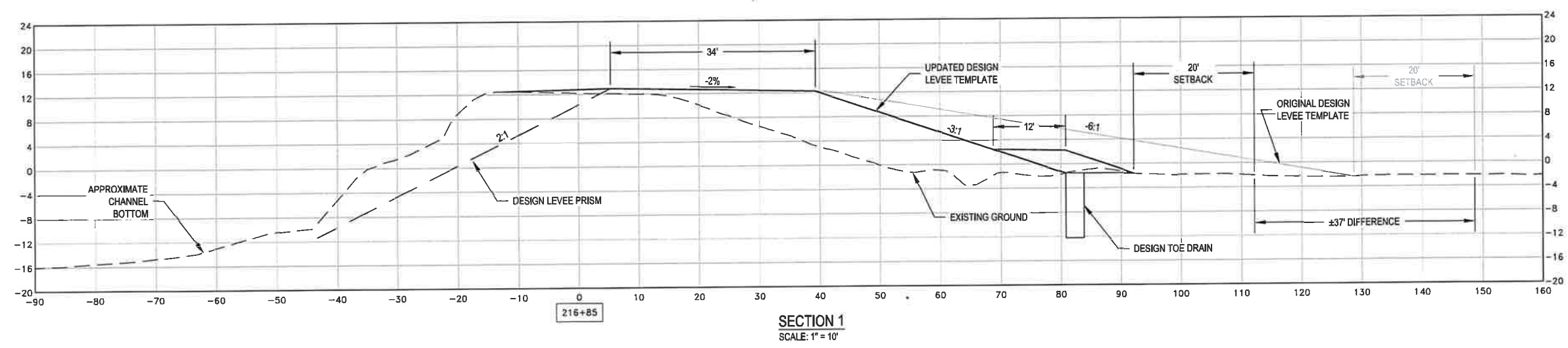
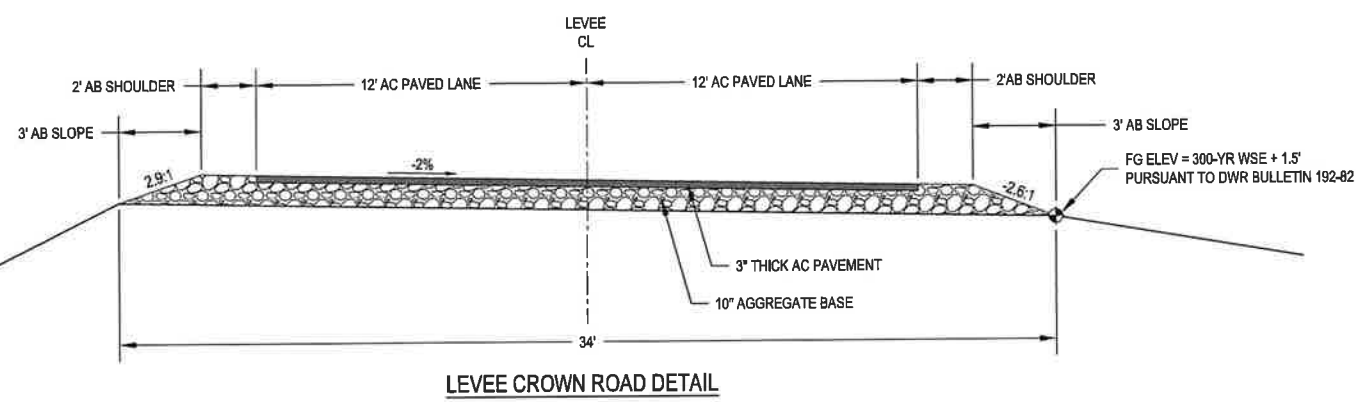
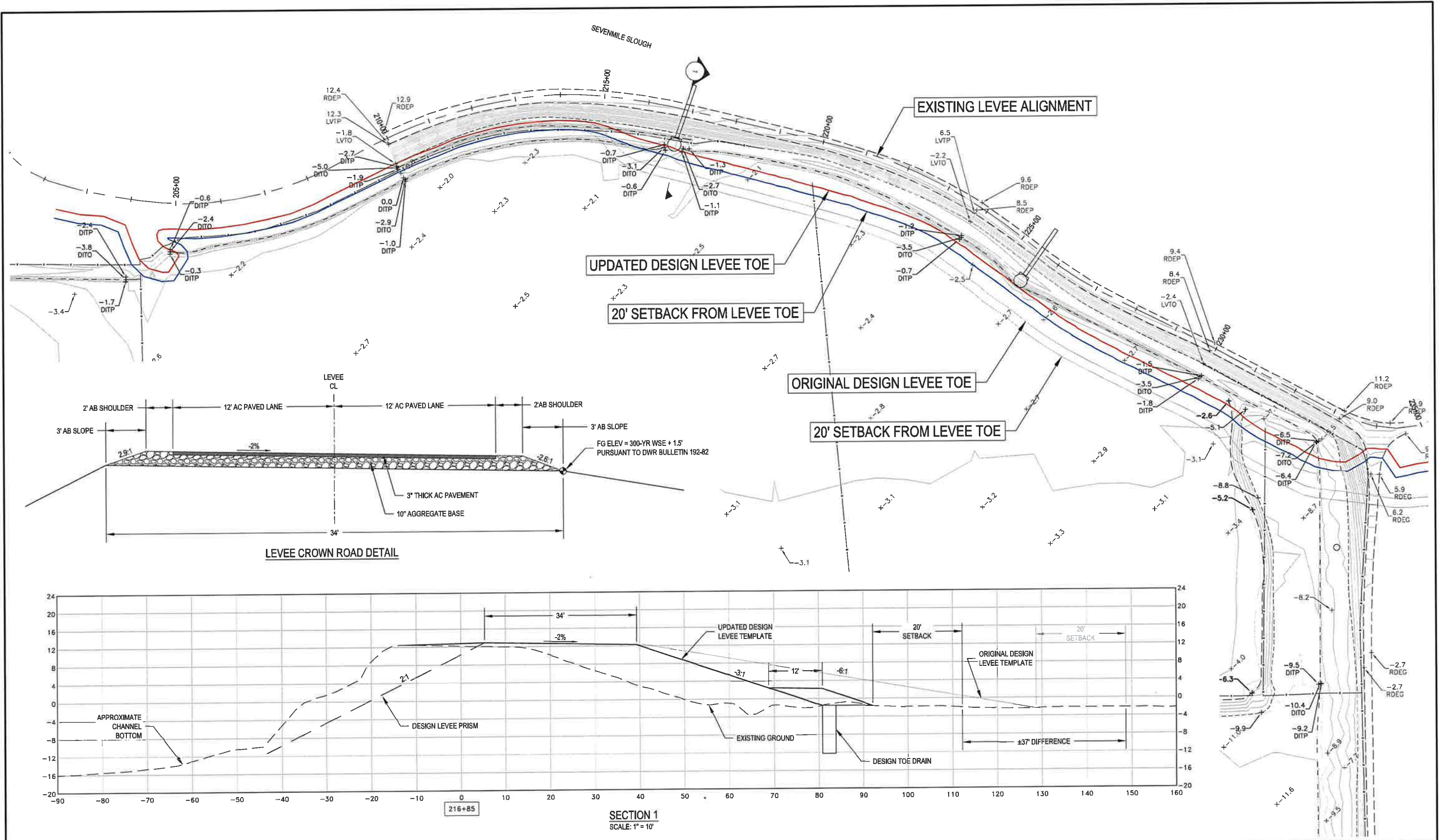
**II. DELTA LEVEE SUBVENTIONS PROJECT -SPECIAL PROJECTS  
MULTI-BENEFIT PSP**

- A. Review timing of DWR’s decision on competitive PSP process.

# Exhibit A

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FILE SPEC: P:\1110\_Twitchel\_Island\1010\_Mitigation\_&\_Enhancement\_Site (TIMES)\2022\08\_Civil\400\_Plans\020\_CAD\Exhibits\Exh\_Sevenmile\_Slough\_TIMES\_Toe\_Drain.dwg  
 PLOT DATE: Jun 14, 2023 - 8:10am



 NORTH ORIENTATION	 <b>KJELDEN SINNOCK NEUDECK</b> CIVIL ENGINEERS & LAND SURVEYORS www.ksninc.com	711 N. Pershing Avenue Stockton, CA 95203 209-946-0268 1550 Harbor Blvd., Suite 212 West Sacramento, CA 95691 916-403-5900	DRAWING SCALE 1" = 100'	EXHIBIT NO. <b>1</b>
			ORIGINAL DRAWING SCALE 0 1/2" 1"	PAGE NO. <b>1</b>

**RECLAMATION DISTRICT NO. 1601  
 SEVENMILE SLOUGH LEVEE DESIGN  
 ADJACENT TO TIMES PROJECT  
 UPDATED ENGINEERED LEVEE SECTION**

# Exhibit B

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**DEPARTMENT OF WATER RESOURCES**

DIVISION OF MULTI-BENEFIT INITIATIVES  
715 P St., Sixth Floor  
SACRAMENTO, CA 95814



September 11, 2023

Mr. Barry Sgarrella, President  
Reclamation District No. 1601  
2360 W. Twitchell Island Road  
Rio Vista, California 94571

Subject: Seven-mile Slough Levee Footprint

Dear Mr. Sgarrella:

The Department of Water Resources (Department), Delta Resiliency Branch staff has reviewed the Reclamation District 1601's (District) desired Seven-mile Slough levee footprint shown in Exhibit A of the July 20, 2023, Engineers Report.

The Department agrees to this levee footprint. The boundary of the Twitchell Restoration Project (formerly known as TIMES) site will conform to the 20' setback shown in Exhibit A. The Department expects the boundary created by the 20' setback shown in Exhibit A to be the final boundary and that the District will not be extending this boundary further out from the desired levee toe at some point in the future.

If you have any questions, please contact Otome Lindsey or David Julian via e-mail at [otome.lindsey@water.ca.gov](mailto:otome.lindsey@water.ca.gov) or [david.julian@water.ca.gov](mailto:david.julian@water.ca.gov).

Sincerely,

*Bryan Brock*

Bryan Brock, P.E.  
Manager, Delta Resiliency Branch  
Department of Water Resources

cc: Chris Neudeck  
KSN Inc.  
711 N. Pershing Ave  
Stockton, California 95203

# Exhibit C

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# TWITCHELL ISLAND - NATIVE GRASS SEEDING

## SACRAMENTO COUNTY, CA

TWITCHELL ISLAND -  
NATIVE GRASS SEEDING

SACRAMENTO COUNTY, CA

**Stillwater Sciences**

2855 TELEGRAPH AVENUE, SUITE 400  
BERKELEY, CA 94705 P: (510) 848-8098

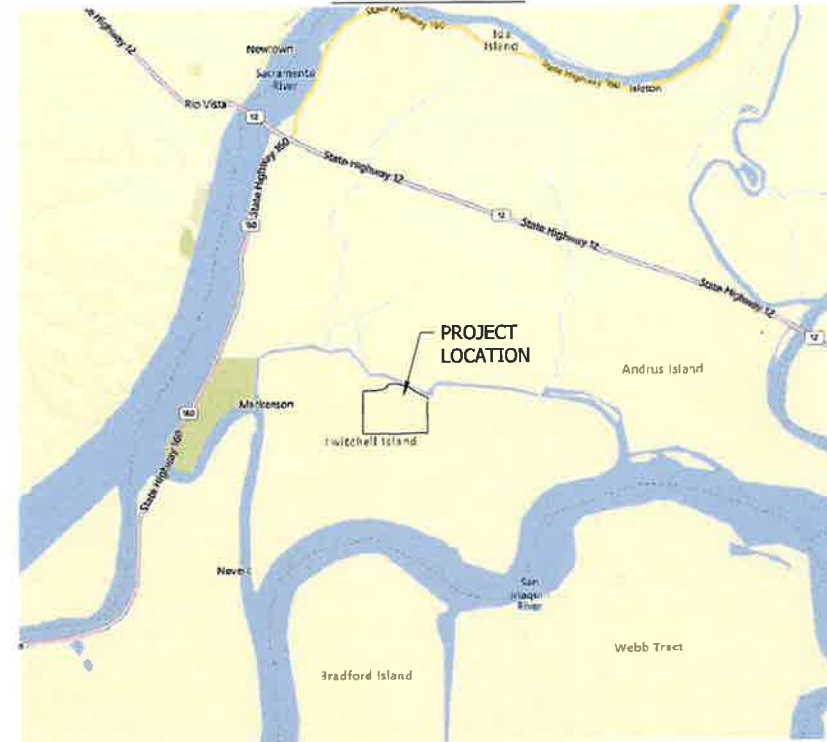
**REVISIONS**

NO.	DESCRIPTION	DATE

**GENERAL NOTES, TERMS, & CONDITIONS:**

- DESIGN INTENT.** THESE DRAWINGS REPRESENT THE GENERAL DESIGN INTENT TO BE IMPLEMENTED AND CONTRACTOR IS RESPONSIBLE FOR ALL ITEMS SHOWN ON THESE PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE PROJECT MANAGER FOR ANY CLARIFICATIONS OR FURTHER DETAILS NECESSARY TO ACCOMMODATE ACTUAL SITE CONDITIONS. ANY DEVIATION FROM THESE PLANS WITHOUT THE LANDOWNER'S REPRESENTATIVE APPROVAL ARE AT THE CONTRACTOR'S OWN RISK AND EXPENSE. NOTIFY PROJECT MANAGER IMMEDIATELY OF ANY UNEXPECTED AND CHANGED CONDITIONS, SAFETY HAZARDS, AND ENVIRONMENTAL PROBLEMS ENCOUNTERED.
- JOB SITE CONDITIONS AND CONTRACTOR RESPONSIBILITY.** CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR SITE CONDITIONS DURING THE COURSE OF THE CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY, AND ALL ENVIRONMENTAL PROTECTION ELEMENTS, WHETHER SHOWN ON THESE DRAWINGS OR NOT. CONTRACTOR SHALL FOLLOW ALL APPLICABLE CONSTRUCTION AND SAFETY REGULATIONS. THESE REQUIREMENTS SHALL APPLY CONTINUOUSLY AND WILL NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE LANDOWNER OR THE ENGINEER (STILLWATER SCIENCES) 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 THE LANDOWNER OR ENGINEER.
- DAMAGE.** CONTRACTOR SHALL EXERCISE CARE TO AVOID DAMAGE TO EXISTING PUBLIC AND PRIVATE PROPERTY, INCLUDING NATIVE TREES AND SHRUBS, AND OTHER PROPERTY IMPROVEMENTS. IF CONTRACTOR CAUSES DAMAGES TO SUCH ITEMS, HE SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT IN LIKE NUMBER, KIND, CONDITION, AND SIZE. ANY SUCH COST MAY BE DEDUCTED BY OWNER FROM MONIES DUE CONTRACTOR UNDER THIS CONTRACT.
- LIMITS OF WORK, ACCESS, STAGING AND MOBILIZATION AREAS.** THE APPROXIMATE LIMITS OF WORK ARE SHOWN ON THE DRAWINGS. EXACT LIMITS OF WORK, POINTS OF INGRESS-EGRESS, CREEK CHANNEL ACCESS, MOBILIZATION, STAGING, AND WORK AREAS WILL BE FLAGGED IN THE FIELD BY THE ENGINEER. EQUIPMENT MAINTENANCE AND FUELING MUST OCCUR OUTSIDE OF THE CHANNEL AREA AS DESCRIBED IN THE ENVIRONMENTAL PERMITS FOR THE PROJECT.
- SITE PREPARATION.** SHALL INCLUDE MOWING, REMOVAL OF CUT VEGETATION (E.G., BALING) AND HERBICIDE APPLICATION.
- BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES.** CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. TRASH AND CONSTRUCTION RELATED SOLID WASTE MUST BE DEPOSITED INTO A COVERED WASTE RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND. SEDIMENTS AND OTHER MATERIAL MAY NOT BE TRACKED FROM TO THE SITE BY VEHICLE TRAFFIC.

VICINITY MAP



PROJECT LOCATION MAP



Sheet List Table	
Sheet Number	Sheet Title
1	TITLE SHEET
2	SEEDING
3	PLANTING TABLES - SEEDING

**ABBREVIATIONS AND SYMBOLS:**

- <E> EXISTING
- <P> PROPOSED
- EXISTING TREE (SURVEYED)
- EXISTING TREE (APPROXIMATE LOCATION)
- EXISTING POOL (APPROXIMATE LOCATION)
- LARGE WOOD FEATURE NUMBER
- INDIVIDUAL LOG OR ROOTWAD DESIGNATION
- DETAIL # ON SHEET
- SHEET #



PROJECT NUMBER: 1013.00  
SCALE: AS NOTED  
DATE: 9/7/23

DESIGN: MK/RT  
DRAWN: BW/JB  
CHECKED: MK/RT  
APPROVED: MK/RT

TITLE SHEET

SHEET 1 OF 3

C:\Users\jburrows\OneDrive\Documents\1013.00 TWITCHELL ISLAND SEEDING AND ENHANCEMENT SITES - 08 TECHNICAL STUDIOS-100512 PLANTING PLANNING\PROJECTS\1013.00 TWITCHELL ISLAND SEEDING-TITLE SHEET.DWG: PLOT DATE: 9/7/2023 PLOT SCALE: 1"=100' LAST SAVED: 11/7/2023





**TWITCHELL ISLAND -  
NATIVE GRASS SEEDING**

SACRAMENTO COUNTY, CA

**Stillwater Sciences**  
2855 TELEGRAPH AVENUE, SUITE 400  
BERKELEY, CA 94705 P: (510) 848-8058

REVISIONS		
NO.	DESCRIPTION	DATE

LEGEND	
	PARCEL BOUNDARY
	EXISTING ROAD
	SEEDING
	WATER LINE

PROJECT NUMBER: 1013.00  
SCALE: AS NOTED  
DATE: 9/7/23

DESIGN: MK/RT  
DRAWN: BW/JB  
CHECKED: MK/RT  
APPROVED: MK/RT

**SEEDING**

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 SOURCE: HANSON2, PARKINS PUNAGOUV, SHEETS\BIRL SEEDING\3\_SHEET\_02\_OVERVIEW.DWG  
 LAST SAVE: 9/7/2023 10:47:23 AM  
 PLOT DATE: 9/7/2023 PLOT TITLE: STILLWATER-CANISCALE-23



