

**RECLAMATION DISTRICT NO. 1601
TWITCHELL ISLAND
BOARD OF TRUSTEES MEETING
TUESDAY, OCTOBER 17, 2023
9:00 AM
ENGINEER'S REPORT**

I. AB 360 DELTA LEVEE SUBVENTIONS PROGRAM

A. Review the District's Claim for Fiscal Year 2022/23.

TOTAL ESTIMATED CLAIM	\$ 321,646.34
LESS DISTRICT SHARE (1,000/MILE @ 11.9 miles)	\$ 11,900.00
TOTAL ELIGIBLE	\$ 309,746.34
MAX REIMBURSEMENT = 75% OF ELIGIBLE	\$ 232,309.76

II. PROJECT FUNDING AGREEMENT TW – 21 - 1.0 TIMES PROJECT

A. Review Invitation to Bid.

EXHIBIT A: Specification Section 00 11 16 Invitation to Bid

B. Review Plans for Native Grass Seeding of TIMES upper bench

EXHIBIT B: Twitchell Island Native Grass Seeding Plans prepared by Stillwater Sciences dated 9/19/23.

C. Review Bid Summary of DWR's Native Grass Seeding plan for the upper bench area of the TIMES project. Seek authorization to award to lowest responsive/responsible Bidder. bids for subject work from the Board of Trustees

EXHIBIT C: KSN INC's Bid Summary for Native Grass Seeding (Bid Opening was @ 10:00 AM on 10/17/23).

EXHIBIT D: DWR's review of the bids and endorsement KSN Inc's Award recommendation of lowest responsive/responsible bidder. (UNDER SEPARATE COVER)

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

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

B. Review recent seepage repair by ASTA Construction and District Staff of levee between 549+50 -550+50.

EXHIBIT E: Review photos from KSN Inc. Daily Field Reports.

Exhibit A

SECTION 00 11 16
INVITATION TO BID

Interested Bidders are invited to submit a Sealed Bid to Reclamation District No. 1601 - Twitchell Island for the construction of the following Project:

Twitchell Island
Native Grass Seeding
Sacramento County, California
Job No. 1110-1010-10

For this Project, paper Bids will be received until 10:00 a.m. on Thursday, October 12, 2023. The Project generally consists of the following:

Site preparation; broadcast and drill seeding; and plant maintenance.

Bids will be received for a single prime Contract. Bids shall be on a unit price basis.

The Issuing Office for the Bidding Documents is as follows:

Kjeldsen, Sinnock & Neudeck, Inc.
711 N. Pershing Avenue
Stockton, California 95203
Phone: (209) 946-0268

Prospective Bidders may obtain copies of the Bidding Documents from the Issuing Office as described below.

Electronic PDF copies of the Bidding Documents may be obtained from the Issuing Office during normal business hours.

Upon request and acknowledgement, the Issuing Office will transmit the Bidding Documents electronically via email.

The date that the Bidding Documents are transmitted by the Issuing Office will be considered the Bidder's date of receipt of the Bidding Documents.

Partial sets of Bidding Documents will not be available from the Issuing Office.

Bidding Documents must be obtained from the Issuing Office in order to add the Bidder to the planholder list.

Paper Bids are to be received at the office of the Kjeldsen, Sinnock & Neudeck, Inc., located at 711 N. Pershing Avenue, Stockton, California 95203, until the date and time indicated above, at which time the Bids received will be publicly opened and read.

Neither District nor Engineer will be responsible for full or partial sets of Bidding Documents, including Addenda if any, obtained from sources other than the Issuing Office.

A mandatory pre-bid conference will be held at 9:00 a.m. on Tuesday, October 3, 2023, at the project site as designated on the Drawings. Attendance at the pre-bid conference is required of all Bidders.

Bidders shall be skilled, regularly engaged and licensed in the general class or type of work specified, and possess a valid California Class "A" or Class "C-27" Contractor's License and a Qualified Applicator License from the California Department of Pesticide Regulation.

In accordance with the provisions of the State of California Labor Code §1770 et seq., the Director of the Department of Industrial Relations (DIR) has ascertained the general prevailing rate of wages applicable to the Work to be done. Bidders shall be registered with the DIR pursuant to Labor Code §1725.5 to be qualified to bid on or engage in the performance of work under this Contract. These requirements extend

to all Subcontractors to be listed on a bid proposal or engage in the performance of work under this Contract.

Bidders shall submit proof of qualifications to perform the Work as described in the Instructions to Bidders.

Bid security shall be furnished in accordance with the Instructions to Bidders.

Technical, construction, and Project inquiries and questions should be directed to Erik Almaas (ealmaas@ksninc.com).

Estimated cost of project construction is \$640,000.

District Engineer:

Christopher H. Neudeck, P.E.
Kjeldsen, Sinnock & Neudeck, Inc.
711 N. Pershing Avenue
Stockton, California 95203

Dated: September 20, 2023

END OF SECTION

Exhibit B

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

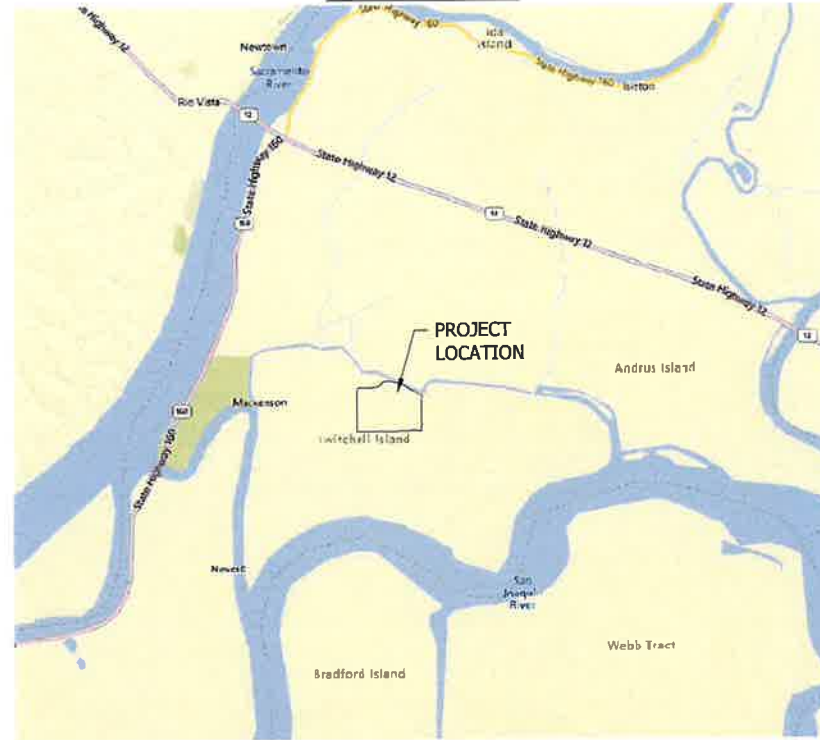
REVISIONS

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 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: 9/19/23

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

TITLE SHEET

SHEET 1 OF 3

STILLSWATER SCIENCES 2855 TELEGRAPH AVENUE, SUITE 400 BERKELEY, CA 94705 P: (510) 848-8098
 PROJECT: TWITCHELL ISLAND NATIVE GRASS SEEDING
 DRAWING: PLANTING TABLES - SEEDING - SHEET 1 OF 3
 LAST SALES: 9/19/2023
 PLOT DATE: 9/19/2023
 PLOT BY: BW/JB
 PLOT DATE: 9/19/2023
 PLOT BY: BW/JB



**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

LEGEND

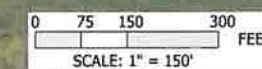
-  PARCEL BOUNDARY
-  EXISTING ROAD
-  SEEDING
-  WATER LINE

PROJECT NUMBER: 1013.00
SCALE: AS NOTED
DATE: 9/19/23

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

SEEDING

SHEET 2 OF 3



LAST REVISED: 9/19/2023 PLOT DATE: 9/19/2023 PLOT: STILLWATER-DAVIS-CAL-123
 S:\Users\jwh\OneDrive - Stillwater Sciences\1013.00 Twitchell Island Seeding and Enhancement\1013.00 SEEDING\1013.00 SEEDING_ORIG.DWG
 S:\Users\jwh\OneDrive - Stillwater Sciences\1013.00 Twitchell Island Seeding and Enhancement\1013.00 SEEDING\1013.00 SEEDING_ORIG.DWG

**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

Scientific name	Common name	Seeding rate (lbs/acre)	Area of planting zone (acres)	Percent composition in seed mix	Total lbs
BROADCAST SEEDING					
<i>Stipa pulchra</i>	purple needle grass	19.85	81.2	15%	242
DRILL SEEDING					
<i>Agrostis exarata</i>	spike bent grass	0.18	81.2	5%	1
<i>Elymus glaucus</i>	blue wild-rye	8.07	81.2	20%	131
<i>Elymus triticoides</i>	beardless wild rye	9.55	81.2	35%	272
<i>Hordeum brachyantherum</i> subsp. californicum	California barley	8.57	81.2	10%	70
<i>Poa secunda</i> subsp. <i>secunda</i>	one-sided blue grass	1.04	81.2	15%	13
TOTAL				100%	729



PROJECT NUMBER: 1013.00
SCALE: AS NOTED
DATE: 9/19/23

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

**PLANTING TABLES -
SEEDING**

SHEET 3 OF 3

C:\USERS\ADMINISTRATOR\STILLWATER SCIENCES\2013\TITCHELL ISLAND MIGRATION AND ENVIRONMENT 2013 - OR TECHNICAL STUDIO - 1000000 - PLANTING PLANNING - SHEETS\DRILL SEEDING\DRILL SEEDING - TITLE SHEET.DWG LAST SAVED: 9/19/2023 10:07:00AM 9/19/2023 PLOT STILLWATER - 1000000 - OR TECHNICAL

Exhibit C

RECLAMATION DISTRICT NO. 1601 - TWITCHELL ISLAND
 TWITCHELL ISLAND - NATIVE GRASS SEEDING
 SACRAMENTO COUNTY, CALIFORNIA

Bid Date: 10/12/2023
 Bid Time: 10:00 am

BID RESULTS

Item	Description	Qty	Unit	Hanford ARC Unit Price	Total	Engineer's Estimate Unit Price	Total
Schedule 1: Site Preparation and Seeding							
1.	Mobilization	1	LS	\$21,335.00	\$21,335.00	\$14,760.00	\$14,760.00
2.	Site Preparation	81.2	AC	\$681.00	\$55,297.20	\$1,200.00	\$97,440.00
3.	Seed Installation	81.2	AC	\$4,379.00	\$355,574.80	\$6,500.00	\$527,800.00
<i>Subtotals:</i>					\$432,207.00		\$640,000.00
Schedule 2: Plant Maintenance							
1.	Site Irrigation	15	EA	\$7,167.00	\$107,505.00	\$0.00	\$0.00
2.	Site Herbicide Application for Non-Native Broadleaf Plants	2	EA	\$14,764.00	\$29,528.00	\$0.00	\$0.00
3.	Selective Herbicide Application for Bermuda Grass	25.0	AC	\$1,598.00	\$39,950.00	\$0.00	\$0.00
4.	Manual Weed Removal - Site Mowing	6	EA	\$31,895.00	\$191,370.00	\$0.00	\$0.00
5.	Manual Weed Removal - Selective Hand Crew	144	HR	\$709.00	\$102,096.00	\$0.00	\$0.00
6.	Selective Broadcast Reseed Installation	25.0	AC	\$2,636.00	\$65,900.00	\$0.00	\$0.00
<i>Subtotals:</i>					\$536,349.00		\$0.00
Project Totals:					\$968,556.00		\$640,000.00

(Under separate
cover)

EXHIBIT D

Exhibit E











Sent from my iPhone