

**Meeting of the Central Valley Flood Protection Board
May 25, 2012**

Staff Report

**Conway Preservation Group, LLC
Irrigation Well, Yolo County**

1.0 – ITEM

Consider approval of Permit No. 18730 (Attachment B)

2.0 – APPLICANT

Conway Preservation Group, LLC

3.0 – LOCATION

The project is located within the Yolo Bypass approximately 265 feet south of County Road 22 and 205 feet east of the right (west) levee of the Yolo Bypass. (Yolo Bypass, Yolo County, see Attachment A)

4.0 – DESCRIPTION

Applicant proposes to install an agricultural well (32NW2), well platform, controller and service pole and ancillary flatwork within the Yolo Bypass.

5.0 – PROJECT ANALYSIS

The installation of agricultural irrigation wells within the Yolo Bypass is consistent with the operation of the Yolo Bypass. The impacts of the well site are minimal and localized.

5.1 – Hydraulic Analysis

A flowage block calculation was performed that showed there was less than 1% blockage of the floodway therefore no further hydraulic analysis is necessary.

5.2 – Geotechnical Analysis

A geotechnical analysis is not needed for this project because the project is not in the proximity of any flood control structures.

6.0 – AGENCY COMMENTS AND ENDORSEMENTS

The comments and endorsements associated with this project, from all pertinent agencies are shown below:

Reclamation District 2035 has endorsed this project with no conditions.

The U.S. Army Corps of Engineers 208.10 comment letter has not been received for this application. Staff anticipates receipt of a letter indicating that the USACE District Engineer has no objection to the project, subject to conditions. Upon receipt of the letter, staff will review to ensure conformity with the permit language and incorporate it into the permit as Exhibit A.

7.0 – CEQA ANALYSIS

Board staff has prepared the following California Environmental Quality Act (CEQA) determination:

The Board has determined that the project is categorically exempt from CEQA under a Class 3 Categorical Exemption (CEQA Guidelines Section 15303) covering new construction of small structures.

8.0 – SECTION 8610.5 CONSIDERATIONS

1. Evidence that the Board admits into its record from any party, State or local public agency, or nongovernmental organization with expertise in flood or flood plain management:

The Board will make its decision based on the evidence in the permit application and attachments, this staff report, and any other evidence presented by any individual or group.

2. The best available science that related to the scientific issues presented by the executive officer, legal counsel, the Department or other parties that raise credible scientific issues.

The accepted industry standards for the work proposed under this permit as regulated by Title 23 have been applied to the review of this permit.

3. Effects of the decision on the entire State Plan of Flood Control:

This project will have no measureable effects on the entire State Plan of Flood Control.

4. Effects of reasonable projected future events, including, but not limited to, changes in hydrology, climate, and development within the applicable watershed:

Reasonable projected future events should have no effects on the proposed project.

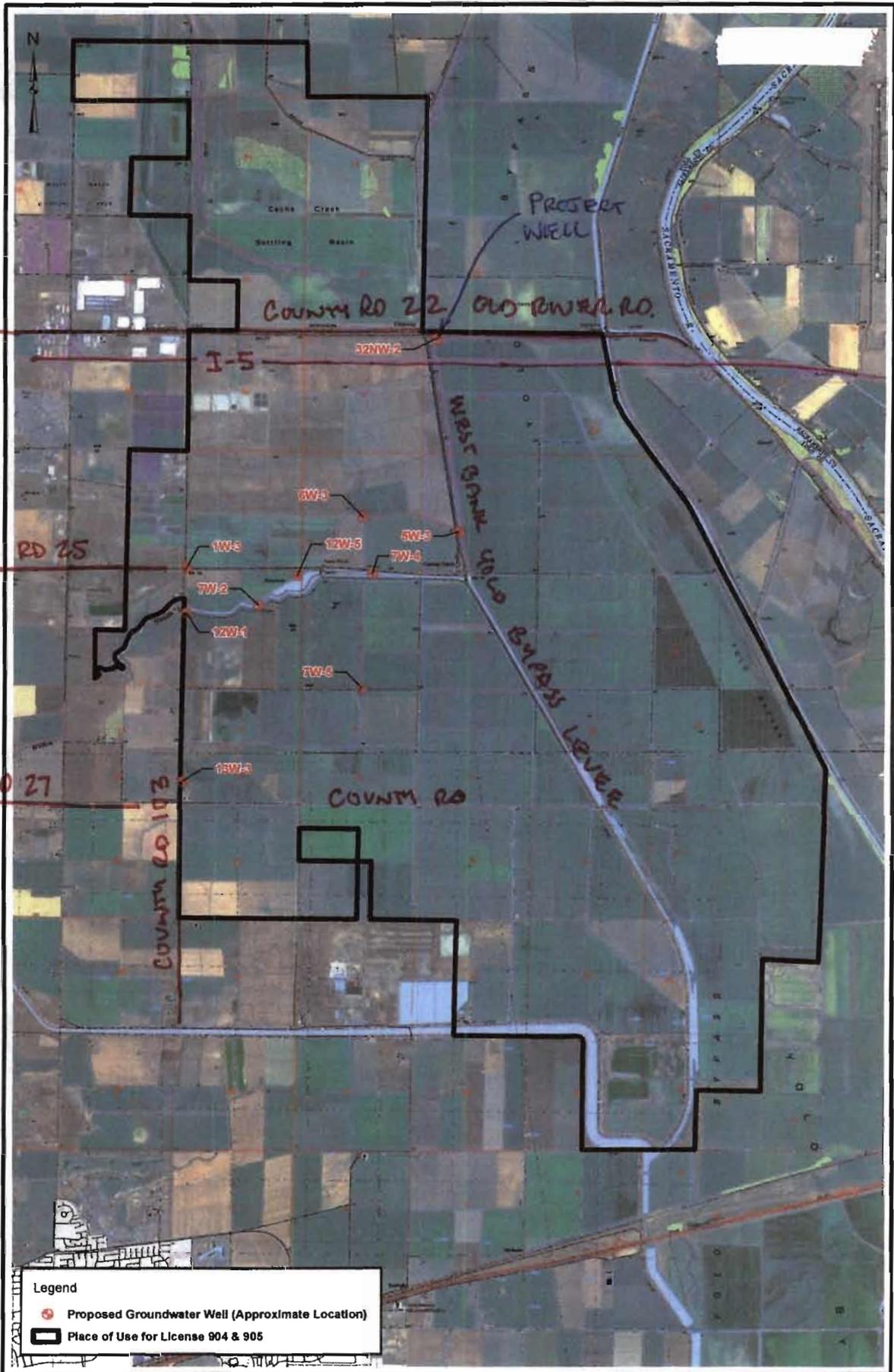
9.0 – STAFF RECOMMENDATION

Staff recommends that the Board find the project exempt from CEQA, approve the permit, and direct staff to file a Notice of Exemption with the State Clearinghouse.

10.0 – LIST OF ATTACHMENTS

- A. Location Maps and Photos
- B. Draft Permit No. 18730
- C. Drawings

Design Review:	Steve Dawson
Environmental Review:	James Herota/Andrea Mauro
Document Review:	Mitra Emami; Curt Taras; Len Marino



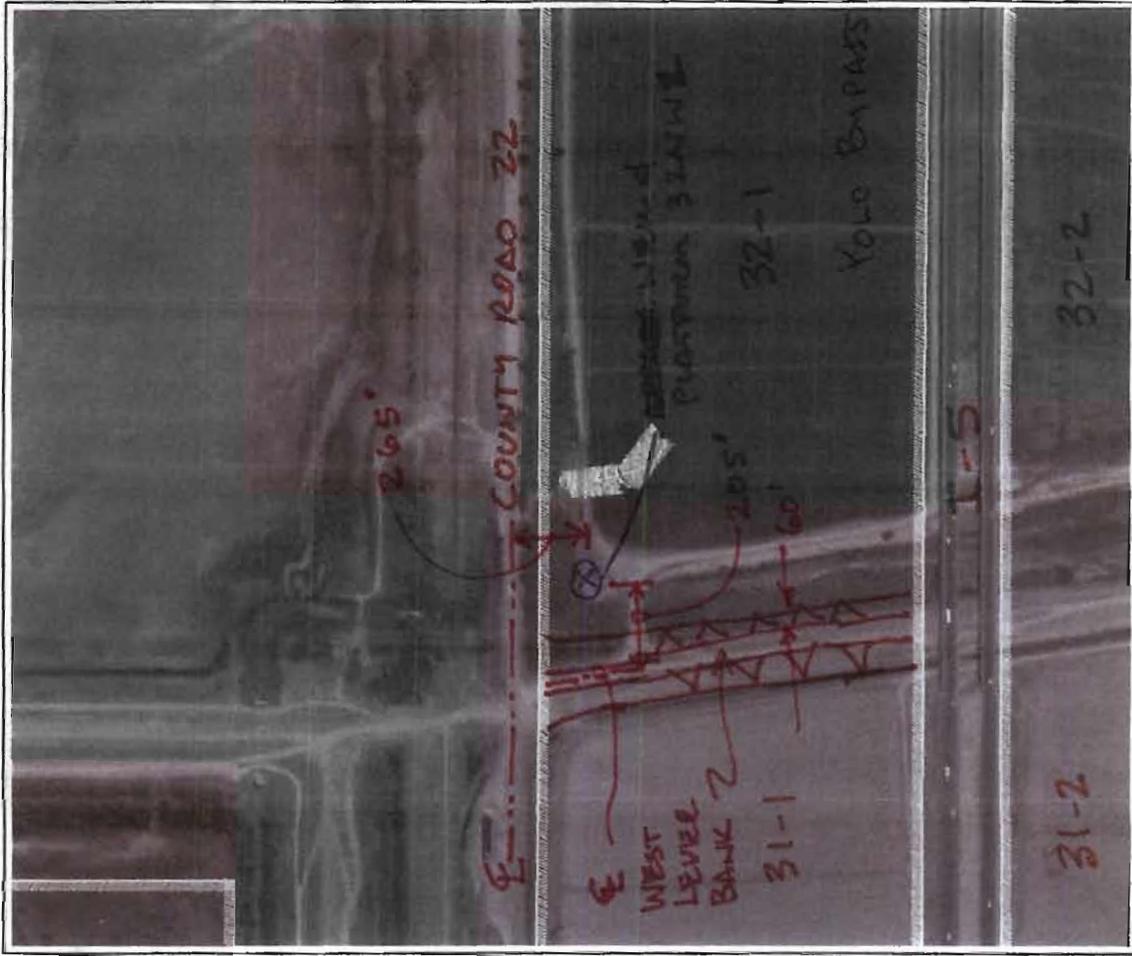
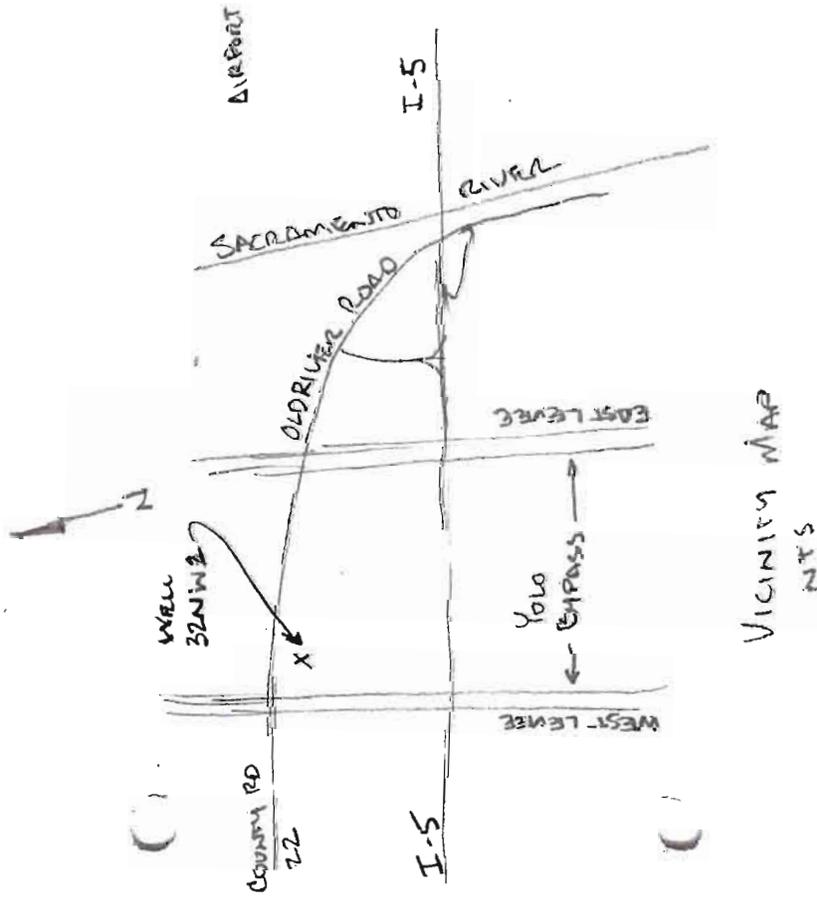
MBK ENGINEERS
 1771 Tribune Road, Suite A
 Sacramento, California 95815-4401
 (916) 456-4403

**Conaway Ranch
 Groundwater Wells**

0 4,000
 Scale in Feet

FIGURE 3

APN: 057-200-001



R 0541 Conway Ranch 01181 Part of Use Map 057-200-001 Groundwater Well Locations Final



Conway Ranch

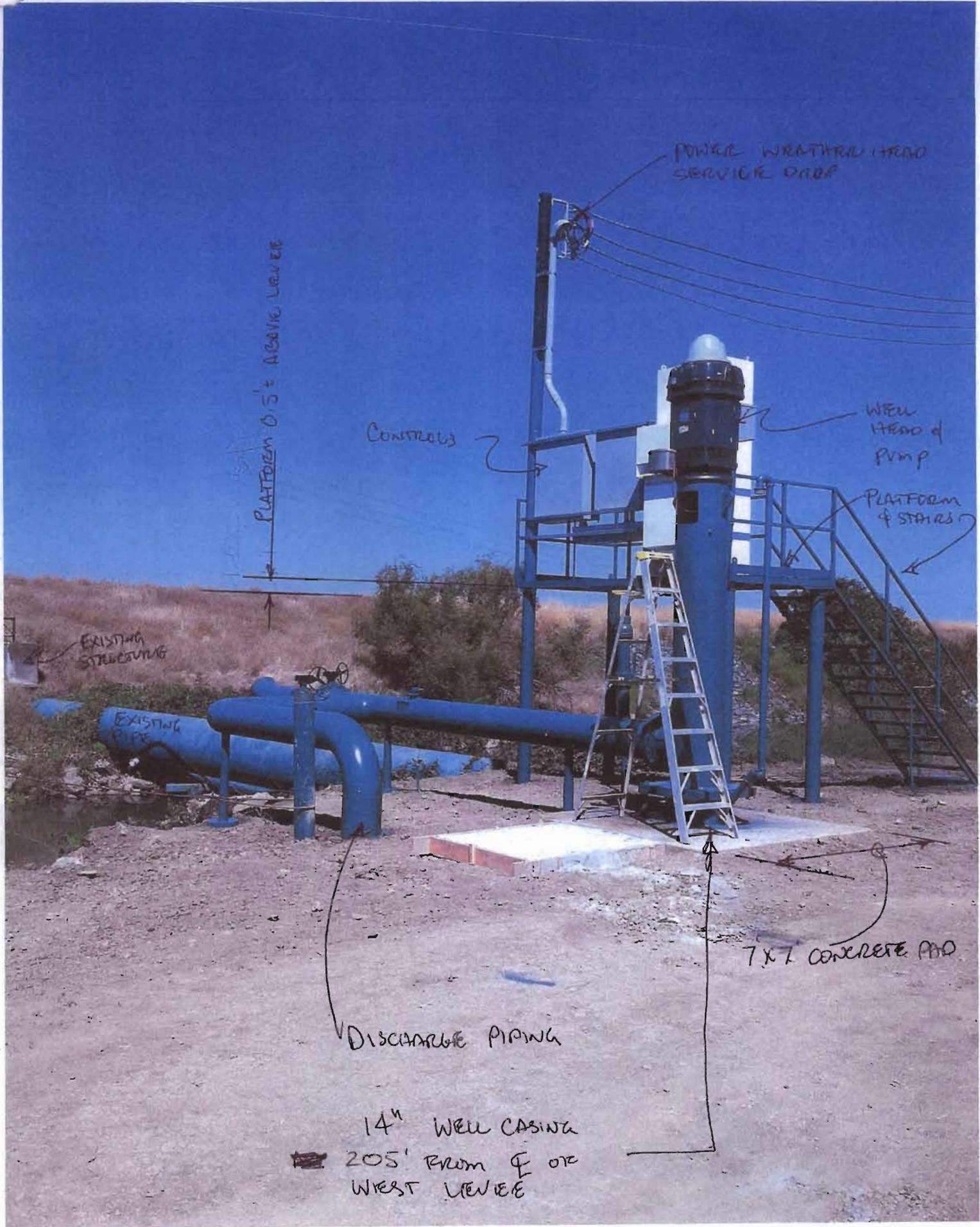
Proposed Groundwater Well Locations, 32NW-2

MAP 1/10



Approximate Conway Ranch Parcel Boundary

Aerial Imagery: Bing Maps web mapping service



POWER WEATHER HEAD SERVICE DROP

PLATFORM 0.5' ABOVE GRADE

Controls

WELL HEAD of PUMP

PLATFORM & STAIRS

EXISTING STRUCTURING

EXISTING PIPE

7x7 CONCRETE PAD

DISCHARGE PIPING

14" WELL CASING
205' FROM Φ OF WEST LEVEE

STATE OF CALIFORNIA
THE RESOURCES AGENCY
THE CENTRAL VALLEY FLOOD PROTECTION BOARD

PERMIT NO. 18730 BD

This Permit is issued to:

Conaway Preservation Group, LLC
45332 County Road 25
Woodland, California 95776

To install an agricultural well (32NW2), well platform, controller and service pole and ancillary flatwork within the Yolo Bypass. The project is located within the Yolo Bypass approximately 265-feet south of County Road 22 and 205-feet east of the right (west) levee of the Yolo Bypass (Section 32, T10N, R3E, MDB&M, Reclamation District 2035, Yolo Bypass, Yolo County).

NOTE: Special Conditions have been incorporated herein which may place limitations on and/or require modification of your proposed project as described above.

(SEAL)

Dated: _____

Executive Officer

GENERAL CONDITIONS:

ONE: This permit is issued under the provisions of Sections 8700 – 8723 of the Water Code.

TWO: Only work described in the subject application is authorized hereby.

THREE: This permit does not grant a right to use or construct works on land owned by the Sacramento and San Joaquin Drainage District or on any other land.

FOUR: The approved work shall be accomplished under the direction and supervision of the State Department of Water Resources, and the permittee shall conform to all requirements of the Department and The Central Valley Flood Protection Board.

FIVE: Unless the work herein contemplated shall have been commenced within one year after issuance of this permit, the Board reserves the right to change any conditions in this permit as may be consistent with current flood control standards and policies of The Central Valley Flood Protection Board.

SIX: This permit shall remain in effect until revoked. In the event any conditions in this permit are not complied with, it may be revoked on 15

days' notice.

SEVEN: It is understood and agreed to by the permittee that the start of any work under this permit shall constitute an acceptance of the conditions in this permit and an agreement to perform work in accordance therewith.

EIGHT: This permit does not establish any precedent with respect to any other application received by The Central Valley Flood Protection Board.

NINE: The permittee shall, when required by law, secure the written order or consent from all other public agencies having jurisdiction.

TEN: The permittee is responsible for all personal liability and property damage which may arise out of failure on the permittee's part to perform the obligations under this permit. If any claim of liability is made against the State of California, or any departments thereof, the United States of America, a local district or other maintaining agencies and the officers, agents or employees thereof, the permittee shall defend and shall hold each of them harmless from each claim.

ELEVEN: The permittee shall exercise reasonable care to operate and maintain any work authorized herein to preclude injury to or damage to any works necessary to any plan of flood control adopted by the Board or the Legislature, or interfere with the successful execution, functioning or operation of any plan of flood control adopted by the Board or the Legislature.

TWELVE: Should any of the work not conform to the conditions of this permit, the permittee, upon order of The Central Valley Flood Protection Board, shall in the manner prescribed by the Board be responsible for the cost and expense to remove, alter, relocate, or reconstruct all or any part of the work herein approved.

SPECIAL CONDITIONS FOR PERMIT NO. 18730 BD

THIRTEEN: All work approved by this permit shall be in accordance with the submitted drawings and specifications except as modified by special permit conditions herein. No further work, other than that approved by this permit, shall be done in the area without prior approval of the Central Valley Flood Protection Board.

FOURTEEN: The permittee shall maintain the permitted encroachment(s) and the project works within the utilized area in the manner required and as requested by the authorized representative of the Department of Water Resources, Reclamation District No. 2035 or any other agency responsible for maintenance.

FIFTEEN: Upon receipt of a signed copy of the issued (not approved only) permit the permittee shall contact the Department of Water Resources by telephone, (916) 574-0609, and submit the enclosed postcard to schedule a preconstruction conference. Failure to do so at least 10 working days prior to start of work may result in delay of the project.

SIXTEEN: The Central Valley Flood Protection Board, Department of Water Resources, and Reclamation District No. 2035 shall not be held liable for any damages to the permitted encroachment(s) resulting from flood fight, operation, maintenance, inspection, or emergency repair.

SEVENTEEN: The permittee may be required, at permittee's cost and expense, to remove, alter, relocate, or reconstruct all or any part of the permitted encroachment(s) if removal, alteration, relocation, or reconstruction is necessary as part of or in conjunction with any present or future flood control plan or project or if damaged by any cause. If the permittee does not comply, the Central Valley Flood Protection Board may remove the encroachment(s) at the permittee's expense.

EIGHTEEN: The permittee should contact the U.S. Army Corps of Engineers, Sacramento District, Regulatory Branch, 1325 J Street, Sacramento, California 95814, telephone (916) 557-5250, as compliance with Section 10 of the Rivers and Harbors Act and/or Section 404 of the Clean Water Act

may be required.

NINETEEN: The permittee shall be responsible for repair of any damages to the project levee and other flood control facilities due to construction, operation, or maintenance of the proposed project.

TWENTY: The permittee is responsible for all liability associated with construction, operation, and maintenance of the permitted facilities and shall defend, indemnify, and hold the Central Valley Flood Protection Board and the State of California; including its agencies, departments, boards, commissions, and their respective officers, agents, employees, successors and assigns (collectively, the "State"), safe and harmless, of and from all claims and damages arising from the project undertaken pursuant to this permit, all to the extent allowed by law. The State expressly reserves the right to supplement or take over its defense, in its sole discretion.

TWENTY-ONE: The permittee shall defend, indemnify, and hold the Central Valley Flood Protection Board and the State of California, including its agencies, departments, boards, commissions, and their respective officers, agents, employees, successors and assigns (collectively, the "State"), safe and harmless, of and from all claims and damages related to the Central Valley Flood Protection Board's approval of this permit, including but not limited to claims filed pursuant to the California Environmental Quality Act. The State expressly reserves the right to supplement or take over its defense, in its sole discretion.

TWENTY-TWO: If the project, or any portion thereof, is to be abandoned in the future, the permittee or successor shall abandon the project under direction of the Central Valley Flood Protection Board and Department of Water Resources, at the permittee's or successor's cost and expense.

TWENTY-THREE: No construction work of any kind shall be done during the flood season from November 1 to April 15 without prior approval of the Central Valley Flood Protection Board.

TWENTY-FOUR: Cleared trees and brush shall be completely burned or removed from the floodway, and downed trees or brush shall not remain in the floodway during the flood season from November 1 to April 15.

TWENTY-FIVE: The pipe shall be placed in the center of an open trench 2 feet wider than the diameter of the pipe.

TWENTY-SIX: Pipe installed in Yolo Bypass shall be new steel and at least 10 gauge. Steel pipe shall be corrosion-protected externally with a coating of coal-tar enamel; asphalt-saturated felt wrap; cement mortar; or PVC or polyethylene tape wrapped to a thickness of 30 mils. Steel pipe shall be corrosion-protected internally with a continuous lining of cement mortar or asphalt.

TWENTY-SEVEN: The pipeline shall be tested and confirmed free of leaks by X-ray, pressure tests, or other approved methods during construction or anytime after construction upon request by the Central Valley Flood Protection Board.

TWENTY-EIGHT: Backfill material for excavations shall be placed in 4- to 6-inch layers and compacted to at least the density of the adjacent, firm, undisturbed material.

TWENTY-NINE: The project site shall be restored to at least the condition that existed prior to

commencement of work.

THIRTY: All debris generated by this project shall be disposed of outside the Yolo Bypass.

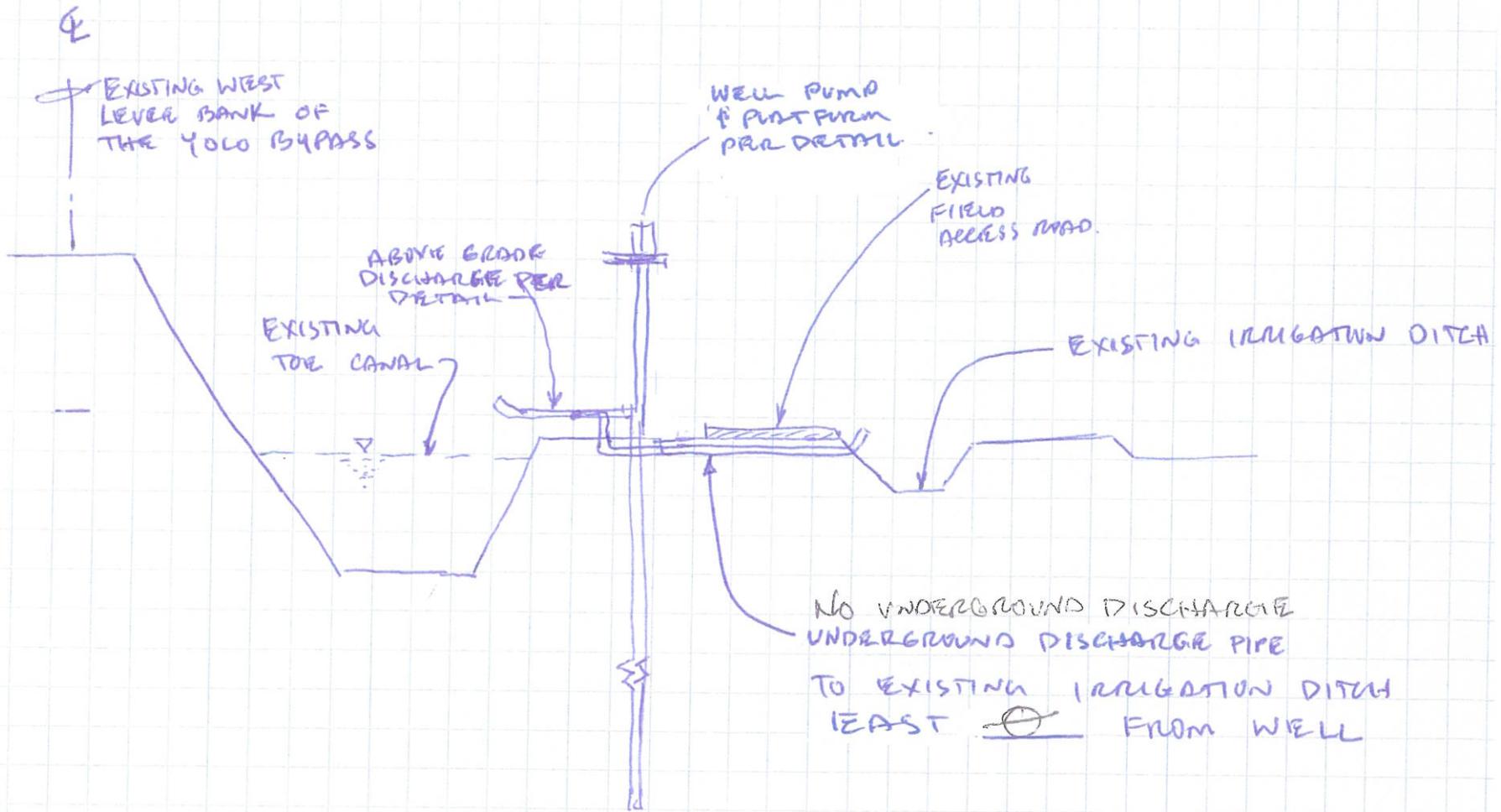
THIRTY-ONE: All debris that may accumulate around the permitted encroachments within the floodway shall be completely removed from the floodway following each flood season.

THIRTY-TWO: If the permitted encroachments result(s) in an adverse hydraulic impact, the permittee shall provide appropriate mitigation measures, to be approved by the Central Valley Flood Protection Board, prior to implementation of mitigation measures.

THIRTY-THREE: Any additional encroachment(s) within the Yolo Bypass require an approved permit from the Central Valley Flood Protection Board and shall be in compliance with the Central Valley Flood Protection Board's regulations (Title 23 California Code of Regulations).

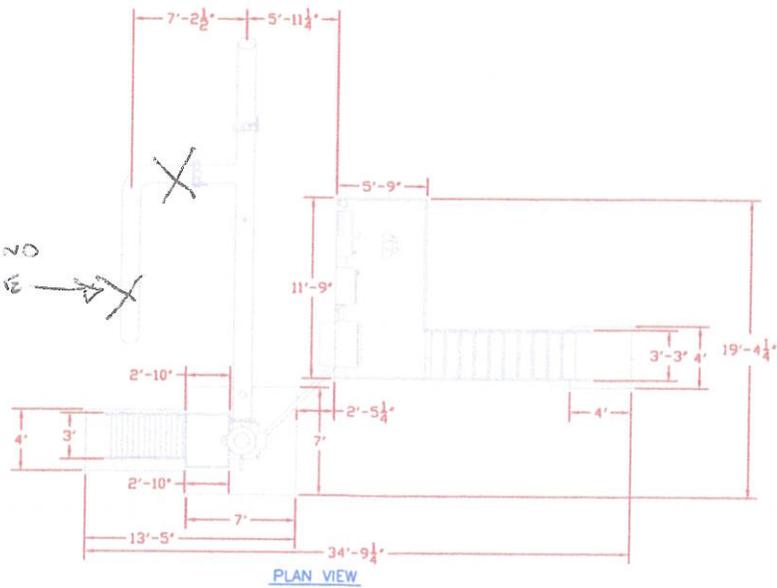
THIRTY-FOUR: The permittee shall comply with all conditions set forth in the letter from the Department of the Army dated May XX, 2012, which is attached to this permit as Exhibit A and is incorporated by reference.

CONAWAY RANCHO
WELL No. 32 NWZ

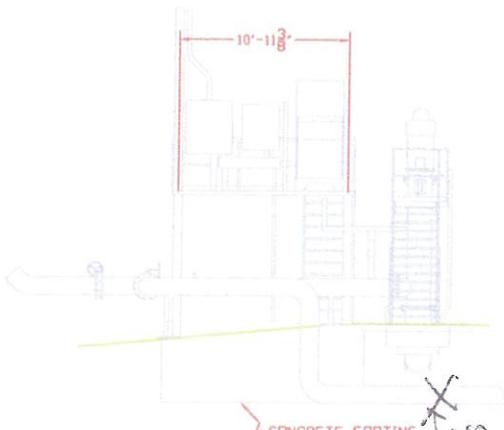


SECTION LOOKING NORTH UPSTREAM
(N.T.S.)

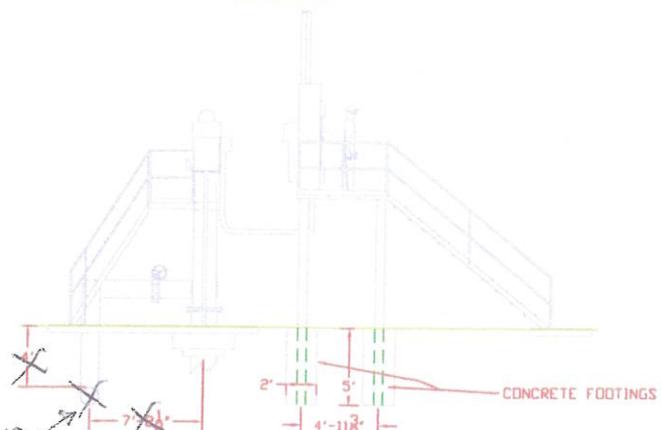
NO
UNDERGROUND
DISCHARGE



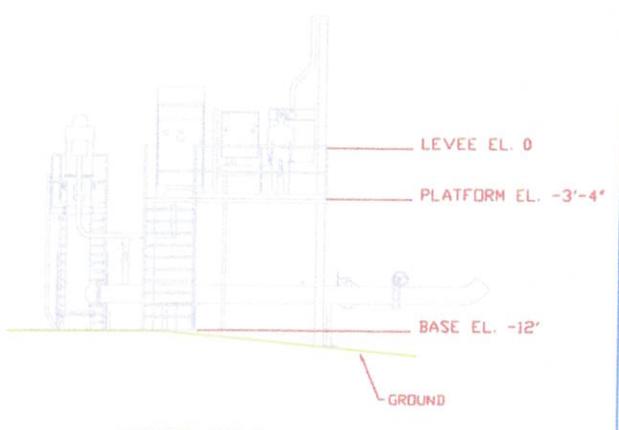
PLAN VIEW



ELEVATION VIEW 1

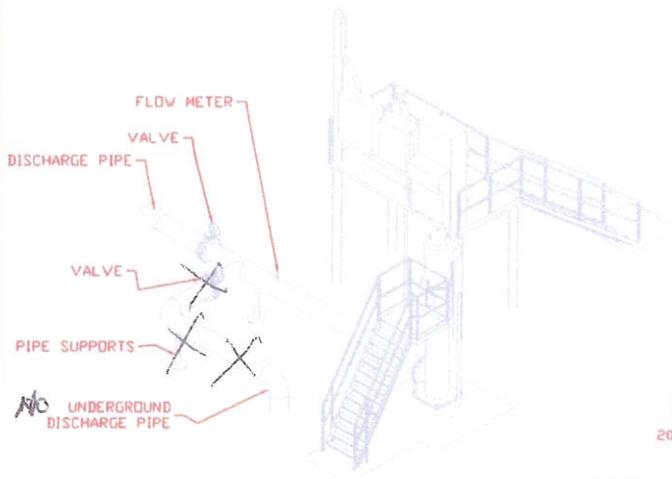


ELEVATION VIEW 2

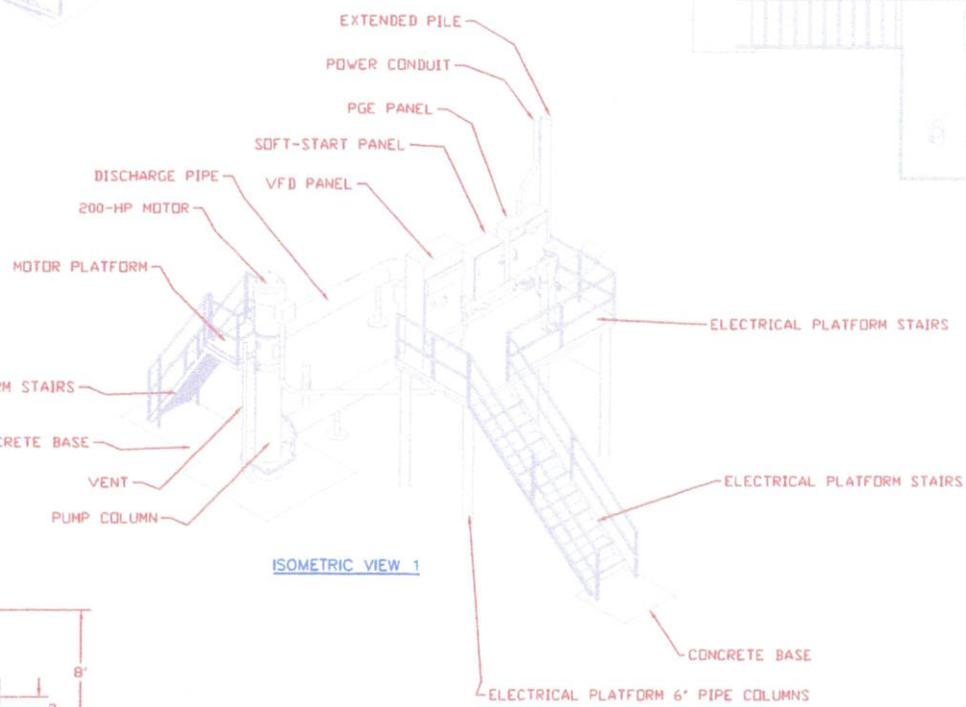


ELEVATION VIEW 3

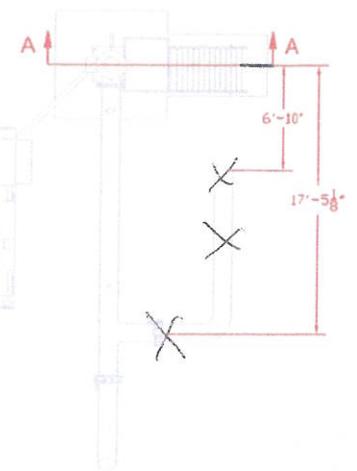
ALL DIMENSIONS IN INCHES UNLESS NOTED		Eaton Drilling Inc.		DATE 11/21/11	PROJECT: Conaway	DESCRIPTION: CONAWAY PUMP SITE	DRAWING NUMBER: EP-A	SHEET NUMBER: 1 OF 2
REV #	DESCRIPTION	DATE	INITIAL	APPRO'D BY: Kevin Baltimore				
				DRAWN BY: JACOB CHAPIN				
Designs are property of Eaton Drilling Inc. and are subject to change without notice.		STANDARD TOLERANCES: Fractional Dimensions = 1/32, Decimal Dimensions = .005		530-661-6737	530-661-6747 FAX	WELL 32N W2		



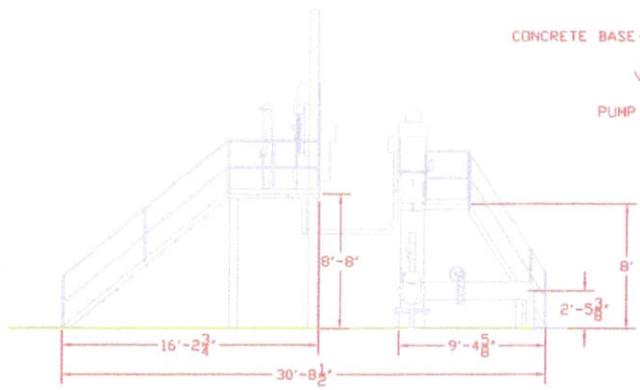
ISOMETRIC VIEW 2



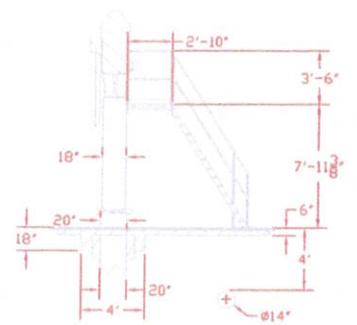
ISOMETRIC VIEW 1



PLAN VIEW 2



ELEVATION VIEW 4



SECTION A-A

ALL DIMENSIONS IN INCHES UNLESS NOTED		Eaton Drilling Inc. 30 W. KENTUCKY AVE., WOODLAND, CA 95695 530-662-1887	DATE 11/21/11 APP'D BY Kevin Bottimore DRAWN BY JACOB CHAPIN "B" SHEET SCALE 1:90	PROJECT: Conaway	DESCRIPTION: CONAWAY PUMP SITE WELL 32NW2	DRAWING NUMBER: EP-A	SHEET NUMBER: 2 OF 2
REV #	DESCRIPTION		DATE	INITIAL	STANDARDS TOLERANCES Fractional Dimensions 1/32 Decimal Dimensions .005		