



CH2MHILL

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DOCKET
08-AFC-11

DATE FEB 10 2010

RECD. FEB 10 2010

February 10, 2010

Mr. Rod Jones
Project Manager
California Energy Commission
1516 Ninth Street
Sacramento, CA 95814-5512

Subject: CPV Vaca Station (08-AFC-11)
Biological Assessment, Biological Assessment for Central Valley Steelhead,
Preliminary Jurisdictional Waters Delineation Study, and **404 Permit Application**

Dear Mr. Jones:

Attached please find one original and 12 hard copies and 1 CD of CPV Vaca Station, LLC's Biological Assessment, Biological Assessment for Central Valley Steelhead, Preliminary Jurisdictional Waters Delineation Study, and 404 Permit Application for the CPV Vaca Station Project (08-AFC-11).

If you have any questions about this matter, please contact me at (916) 286-0278 or Sarah Madams at (916) 286-0249.

Sincerely,

CH2M HILL

Douglas M. Davy, Ph.D.
AFC Project Manager

Attachment

cc: A. Welch (CPV)
S. Madams

**APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT
(33 CFR 325)**

OMB APPROVAL NO. 0710-003

Public reporting burden for this collection of information is estimated to average 5 hours per response, including the time for reviewing instructions, Searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Service Directorate of Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302; and to the Office of Management and Budget, Paperwork Reduction Project (0710-003), Washington, DC 20503. Please DO NOT RETURN your form to either of those addresses. Completed applications must be submitted to the District Engineer having jurisdiction over the location of the proposed activity.

PRIVACY ACT STATEMENT

Authority: 33 USC 401, Section 10; 1413, Section 404. Principal Purpose: These laws require permits authorizing activities in, or affecting, navigable waters of the United States; the discharge of dredged or fill material into waters of the United States, and the transportation of dredged material for the purpose of dumping it into ocean waters. Routine uses: Information provided on this form will be used in evaluating the application for a permit. Disclosure: Disclosure of requested information is voluntary. If information is not provided, however, the permit application cannot be processed nor can a permit be issued.

One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and instructions) and be submitted to the District Engineer having jurisdiction over the proposed activity. An application that is not completed in full will be returned.

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

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(ITEMS BELOW TO BE FILLED BY APPLICANT)

5. APPLICANT'S NAME	8. AUTHORIZED AGENT'S NAME & TITLE (an agent is not required)
6. APPLICANT'S ADDRESS	9. AGENT'S ADDRESS
7. APPLICANT'S PHONE NUMBERS WITH AREA CODE a. Residence b. Business	10. AGENT'S PHONE NUMBERS WITH AREA CODE a. Residence b. Business

11. STATEMENT OF AUTHORIZATION

I hereby authorize _____ to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.

APPLICANT'S SIGNATURE

DATE

NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME OR TITLE (see instructions)	
13. NAME OF WATERBODY, IF KNOWN (if applicable)	14. PROJECT STREET ADDRESS (if applicable)
15. LOCATION OF PROJECT COUNTY STATE	
16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see instructions)	
17. DIRECTIONS TO THE SITE	

18. NATURE OF ACTIVITY (Description of project, include all features)

19. PROJECT PURPOSE (Describe the reason or purpose of the project, see instructions)

USE BLOCKS 20-22 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. REASON(S) FOR DISCHARGE

21. TYPE(S) OF MATERIAL BEING DISCHARGED AND THE AMOUNT OF EACH TYPE IN CUBIC YARDS

22. SURFACE AREA IN ACRES OF WETLANDS OR OTHER WATERS FILLED (see instructions)

23. IS ANY PORTION OF THE WORK ALREADY COMPLETE? YES NO IF YES, DESCRIBE THE WORK

24. ADDRESSES OF ADJOINING PROPERTY OWNERS, LESSEES, ETC. WHOSE PROPERTY ADJOINS THE WATERBODY (If more than can be entered here, please attach a supplemental list)

25. LIST OF OTHER CERTIFICATIONS OR APPROVALS/DENIALS RECEIVED FROM OTHER FEDERAL, STATE, OR LOCAL AGENCIES FOR WORK DESCRIBED IN THIS APPLICATION

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
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* Would include but is not restricted to zoning, building and flood plain permits.

26. Application is hereby made for a permit or permits to authorize the work described in this application. I certify that the information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

SIGNATURE OF APPLICANT

DATE

SIGNATURE OF AGENT

DATE

The application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious, or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

Instructions For Preparing A Department of the Army Permit Application

Blocks 1 thru 4 - To be completed by Corps of Engineers.

Block 5 - APPLICANT'S NAME. Enter the name of the responsible party or parties. If the responsible party is an agency, company, corporation, or other organization, indicate the responsible officer and title. If more than one party is associated with the application, please attach a sheet with the necessary information marked "Block 5".

Block 6 - ADDRESS OF APPLICANT. Please provide the full address of the party or parties responsible for the application. If more space is needed, attach an extra sheet of paper marked "Block 6".

Block 7 - APPLICANT PHONE NUMBERS. Please provide the number where you can usually be reached during normal business hours.

Block 8 - AUTHORIZED AGENT'S NAME AND TITLE. Indicate name of individual or agency, designated by you, to represent you in this process. An agent can be an attorney, builder, contractor, engineer or any other person or organization. Note: An agent is not required.

Blocks 9 and 10 - AGENT'S ADDRESS AND TELEPHONE NUMBER. Please provide the complete mailing address of the agent, along with the telephone number where he/she can be reached during normal business hours.

Block 11 - STATEMENT OF AUTHORIZATION. To be completed by applicant if an agent is to be employed.

Block 12 - PROPOSED PROJECT NAME OR TITLE. Please provide name identifying the proposed project (i.e., Landmark Plaza, Burned Hills Subdivision, or Edsall Commercial Center).

Block 13 - NAME OF WATERBODY. Please provide the name of any stream, lake, marsh, or other waterway to be directly impacted by the activity. If it is a minor (no name) stream, identify the waterbody the minor stream enters.

Block 14 - PROPOSED PROJECT STREET ADDRESS. If the proposed project is located at a site having a street address (not a box number), please enter it here.

Block 15 - LOCATION OF PROPOSED PROJECT. Enter the county and state where the proposed project is located. If more space is required, please attach a sheet with the necessary information marked "Block 15".

Block 16 - OTHER LOCATION DESCRIPTIONS. If available, provide the Section, Township, and Range of the site and/or the latitude and longitude. You may also provide a description of the proposed project location, such as lot numbers or tract numbers. You may choose to locate the proposed project site from a known point (such as the right descending bank of Smith Creek, one mile down from the Highway 14 Bridge). If a large river or stream, include the river mile of the proposed project site, if known.

Block 17 - DIRECTIONS TO THE SITE. Provide directions to the site from a known location or landmark. Include highway and street numbers as well as names. Also provide distances from known locations and any other information that would assist in locating the site.

Block 18 - NATURE OF ACTIVITY. Describe the overall activity or project. Give approximate dimensions of structures such as wingwalls, dikes, (identify the materials to be used in construction, as well as the methods by which the work is to be done), or excavations (length, width, and height). Indicate whether discharge of dredged or fill material is involved. Also, identify any structure to be constructed on a fill, piles, or float-supported platforms.

The written descriptions and illustrations are an important part of the application. Please describe, in detail, what you wish to do. If more space is needed, attach an extra sheet of paper marked "Block 18".

Block 19 - PROPOSED PROJECT PURPOSE. Describe the purpose and need for the proposed project. What will it be used for and why? Also include a brief description of any related activities to be developed as the result of the proposed project. Give the approximate dates you plan to both begin and complete all work.

Block 20 - REASONS FOR DISCHARGE. If the activity involves the discharge of dredged and/or fill material into a wetland or other waterbody, including the temporary placement of material, explain the specific purpose of the placement of the material (such as erosion control).

Instructions For Preparing A Department of the Army Permit Application

Block 21 - TYPES OF MATERIAL BEING DISCHARGED AND THE AMOUNT OF EACH TYPE IN CUBIC YARDS.

Describe the material to be discharged and amount of each material to be discharged within Corps jurisdiction. Please be sure this description will agree with your illustrations. Discharge material includes: rock, sand, clay, concrete, etc.

Block 22 - SURFACE AREAS OF WETLANDS OR OTHER WATERS FILLED. Describe the area to be filled at each location. Specifically identify the surface areas, or part thereof, to be filled. Also include the means by which the discharge is to be done (backhoe, dragline, etc.). If dredged material is to be discharged on an upland site, identify the site and the steps to be taken (if necessary) to prevent runoff from the dredged material back into a waterbody. If more space is needed, attach an extra sheet of paper marked "Block 22".

Block 23 - IS ANY PORTION OF THE WORK ALREADY COMPLETE? Provide any background on any part of the proposed project already completed. Describe the area already developed, structures completed, any dredged or fill material already discharged, the type of material, volume in cubic yards, acres filled, if a wetland or other waterbody (in acres or square feet). If the work was done under an existing Corps permit, identify the authorization if possible.

Block 24 - NAMES AND ADDRESSES OF ADJOINING PROPERTY OWNERS, LESSEES, etc., WHOSE PROPERTY ADJOINS THE PROJECT SITE. List complete names and full mailing addresses of the adjacent property owners (public and private) lessees, etc., whose property adjoins the waterbody or aquatic site where the work is being proposed so that they may be notified of the proposed activity (usually by public notice). If more space is needed, attach an extra sheet of paper marked "Block 24".

Block 25 - INFORMATION ABOUT APPROVALS OR DENIALS BY OTHER AGENCIES. You may need the approval of other Federal, State, or Local agencies for your project. Identify any applications you have submitted and the status, if any (approved or denied) of each application. You need not have obtained all other permits before applying for a Corps permit.

Block 26 - SIGNATURE OF APPLICANT OR AGENT. The application must be signed by the owner or other authorized party (agent). This signature shall be an affirmation that the party applying for the permit possesses the requisite property rights to undertake the activity applied for (including compliance with special conditions, mitigation, etc.).

DRAWINGS AND ILLUSTRATIONS - GENERAL INFORMATION

Three types of illustrations are needed to properly depict the work to be undertaken. These illustrations or drawings are identified as a Vicinity Map, a Plan View, or a Typical Cross-Section Map. Identify each illustration with a figure or attachment number.

Please submit one original, or good quality copy, of all drawings on an 8.5 X 11 inch plain white paper (tracing paper or film may be substituted). Use the fewest number of sheets necessary for your drawings or illustrations.

Each illustration should identify the project, the applicant, and the type of illustration (vicinity map, plan view, or cross-section). While illustrations need not be professional (many small, private project illustrations are prepared by hand), they should be clear, accurate and contain all necessary information.

**APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT
(33 CFR 325)**

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(ITEMS BELOW TO BE FILLED BY APPLICANT)

5. APPLICANT'S NAME CPV Vacaville, LLC	8. AUTHORIZED AGENT'S NAME & TITLE (an agent is not required)
6. APPLICANT'S ADDRESS 8403 Colesville Road Suite 915 Silver Spring MD 20910	9. AGENT'S ADDRESS
7. APPLICANT'S PHONE NUMBERS WITH AREA CODE a. Residence 240-515-8851 b. Business 240-723-2304	10. AGENT'S PHONE NUMBERS WITH AREA CODE a. Residence b. Business

11. STATEMENT OF AUTHORIZATION

I hereby authorize _____ to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.

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DATE

NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME OR TITLE (see instructions) CPV Vaca Station Project	
13. NAME OF WATERBODY, IF KNOWN (if applicable) Roadside drainage with connectivity to New Alamo	14. PROJECT STREET ADDRESS (if applicable)
15. LOCATION OF PROJECT Solano COUNTY CA STATE	
16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see instructions) The project site is located in the USGS 7.5-minute Elmira quadrangle in Township 6N, Range 1E, and northeast quarter of Section 30.	
17. DIRECTIONS TO THE SITE From Sacramento on I-80 Westbound before Vacaville: Take the Lewis Road Exit, turn left over the freeway followed by a right turn onto Lewis Road. Proceed south on Lewis Road approximately 5.4 miles to the intersection of Lewis Road and Fry Road. The site is located in the Northwest quadrant of the Lewis Road/Fry Road intersection.	

18. NATURE OF ACTIVITY (Description of project, include all features)

See Attachment 1

19. PROJECT PURPOSE (Describe the reason or purpose of the project, see instructions)

See Attachment 1

USE BLOCKS 20-22 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. REASON(S) FOR DISCHARGE

See Attachment 1

21. TYPE(S) OF MATERIAL BEING DISCHARGED AND THE AMOUNT OF EACH TYPE IN CUBIC YARDS

Access Road on Northeast corner of project site. Access Road will be approximately 50 feet long, 100 feet wide at the widest point, and approximately 3 feet deep. Construction of Access Road will include the addition of 15,000 cubic feet of soil, and installation of a 24-inch diameter reinforced concrete pipe, approximately 105 feet long. Road will be constructed of general fill (likely comprised of sand and fine gravel), compacted fill composed of gravel, decomposed rock or broken rock, and

22. SURFACE AREA IN ACRES OF WETLANDS OR OTHER WATERS FILLED (see instructions)

Access Road - Approximately 0.11 acres will be filled to allow for construction of access road to project site. Access road will include the installation of a 24-inch diameter concrete reinforced pipeline, a maximum of 100 feet long. A backhoe will be used to move soil/fill into the culvert for construction of the access road.

23. IS ANY PORTION OF THE WORK ALREADY COMPLETE? YES NO IF YES, DESCRIBE THE WORK

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AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
California Energy Commission,	License to Construct,	08-AFC-11,	November 18, 2008,	pending	

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Please submit one original, or good quality copy, of all drawings on an 8.5 X 11 inch plain white paper (tracing paper or film may be substituted). Use the fewest number of sheets necessary for your drawings or illustrations.

Each illustration should identify the project, the applicant, and the type of illustration (vicinity map, plan view, or cross-section). While illustrations need not be professional (many small, private project illustrations are prepared by hand), they should be clear, accurate and contain all necessary information.

ATTACHMENT 1

Blocks 13, 18-22

Block 13 Name of Waterbody, If Known

Roadside drainage with connectivity to New Alamo Creek

Block 18 Nature of Activity

CPV Vacaville, LLC, (CPV or Applicant) proposes to construct, own, and operate an electrical generating plant in Vacaville, Solano County, California. The CPV Vaca Station (CPVVS or project) will be a natural gas-fired, combined-cycle electrical generating facility rated at a nominal generating capacity of 660 megawatts (MW). The CPVVS is proposed for a 24-acre site at the intersection of Lewis and Fry roads in a rural area within the city limits of Vacaville. The project will include the following features:

- The project is a 660-megawatt (MW) nominal, natural gas-fired, combined-cycle generating plant with either two General Electric Frame 7FA or two Siemens SGT6 5000F combustion turbine-generators (CTGs), a single condensing steam turbine generator (STG), a deaerating surface condenser, a 12-cell mechanical draft cooling tower, and associated support equipment.
- The CTGs will be equipped with evaporative coolers on the inlet air system and dry low NO_x combustors.
- The heat recovery steam generators (HRSGs) will be of the horizontal, natural circulation type, equipped with duct burners. The emission reduction system will include a selective catalytic reduction (SCR) unit to control NO_x stack emissions and an oxidation catalyst to control carbon monoxide and volatile organic compounds emissions.
- A nominal 1,000-kilowatt (kW), diesel-fired emergency generator will also be included in the project.
- The project makeup water supply will consist entirely of reclaimed secondary-treated wastewater from the Easterly Wastewater Treatment Plant (EWTP). The secondary-treated wastewater supply from the EWTP will be treated on site to meet California Title 22 requirements for the industrial reuse of secondary-treated wastewaters. Tertiary treatment filter backwash will be returned to the headworks of the EWTP.
- A zero liquid discharge (ZLD) treatment system will process all plant wastewater streams not recovered for reuse within the project. Small quantities of specific wastewaters (such as some equipment cleaning wastewaters) that cannot be made suitable for treatment in the ZLD system or plant reuse will be collected for offsite disposal at a licensed treatment, storage, and disposal (TSD) facility. As a result, no process wastewater (except for the tertiary-treatment system filter backwash) will be discharged from the project.
- The project will use a small amount of the local municipal drinking water supply for plant personnel potable water uses.
- A 230-kV onsite switchyard will deliver the project's power directly to the grid through a single-circuit 230-kV transmission line that will be located adjacent to the project site. This new line will be constructed along the current alignment of Fry Road and will extend for approximately 1 mile to the west to a connection with a new 6-acre switchyard to be constructed on nearby property. This new switchyard will be located

adjacent to and loop into the two existing 230-kV circuits – Vaca-Dixon to Lambie and Vaca-Dixon to Peabody.

- Approximately 1.03 miles of 16-inch-diameter underground natural gas pipeline will convey gas from PG&E Line 401 to the project site. This line will run in a 70-foot-wide easement following Fry Road east to the connection point.
- A 2,600-foot-long utility corridor between the CPVVS and the adjacent EWTP. The following pipelines will run in this 70-foot-wide corridor:
 - A 20-inch-diameter recycled water pipeline
 - A 6-inch-diameter sanitary sewer pipeline
 - A 12-inch-diameter potable water pipeline
 - A 6-inch-diameter pipeline to return tertiary-treated wastewater

CPV is applying for authorization under Nationwide Permits 7 (Outfalls Structures and Maintenance) and 12 (Utility Line Activities), pursuant to Section 404 of the federal Clean Water Act (CWA). The permits would be used for project activities associated with a stormwater detention basin outfall structure, water crossings of the gas pipeline, and an access road.

Block 19 Project Purpose

The CPVVS would provide needed electric generation capacity with improved efficiency and operational flexibility to help meet Northern California's long-term electricity needs. Pacific Gas and Electric Company (PG&E) has identified a near-term need for new power facilities that can be on line by or before 2015 and that can support easily dispatchable and flexible system operation. PG&E has recently issued a Request for Offers to obtain these energy resources from qualified bidders.

It is anticipated that the project will receive a license decision from the California Energy Commission (CEC) by fall 2010, and that detailed design and construction of the CPVVS will begin in spring of 2011 and last approximately 30 months. Pre-operational testing of the power plant will begin in fall 2012, and full-scale commercial operation is expected to begin by spring 2013.

The CPVVS's project objectives are consistent with this need as follows:

- Provide the most efficient, reliable, and predictable power supply available by using combined-cycle natural gas-fired combustion turbine technology capable of supporting the growing power needs of Solano County and the Vacaville area
- Use state-of-the-art technology to provide operational flexibility and rapid-start and dispatch capability
- Site the project adjacent to or near a wastewater treatment plant with the capacity to provide up to 6.3 million gallons per day of recycled water for cooling and other plant makeup water uses
- Site the project as near as possible to 230-kV high-voltage electrical transmission lines and a high-pressure natural gas transmission pipeline
- Site the project near an existing natural gas supply pipeline
- Minimize environmental impacts

Block 20 Reason(s) for discharge

Nationwide Permits 7 (Outfalls Structures and Maintenance) and 12 (Utility Line Activities) would be used for project activities associated with a stormwater detention basin outfall structure (i.e. a precast drop inlet), water crossings of the gas pipeline, and access roads.

The onsite detention basin will be sized such that the post-developed site peak runoff from the 100-year storm event will be less than the pre-development flow. Storm runoff from a 15-inch culvert outfall structure in the southeast corner of the basin will meter out-flowing runoff during storm events from the project site via a 48-inch standpipe and will interconnect with a roadside drainage that flows south under Lewis Road. The standpipe will not cross the roadside drainage, but will instead interconnect with the drainage via a precast drop inlet within Lewis Road.

The permanent and temporary access road to the CPVVS site will cross the same roadside drainage. This drainage flows south from the project area to New Alamo Creek, a Water of the U.S., which confluences with Ulatis Creek and has connectivity to Cache Slough and the Sacramento River.

Block 21 Types of Material Being Discharged and the Amount of Each Type in Cubic Yards

Access Road on Northeast corner of project site:

Access Road will be approximately 50 feet long, 100 feet wide at the widest point, and approximately 3 feet deep. Construction of Access Road will include the addition of 15,000 cubic feet of soil, and installation of a 24-inch diameter reinforced concrete pipe, approximately 105 feet long. Road will be constructed of general fill (likely comprised of sand and fine gravel), compacted fill composed of gravel, decomposed rock or broken rock, and topped with asphalt.

Overflow pipeline on southeast corner of project site:

Pipeline will exit from the southeast corner of the stormwater detention pond, and head in a diagonal direction from the detention pond to the intersection of Fry Road and Lewis Road. The pipeline will terminate in a precast drop inlet that intersects with an existing under-road pipeline. The precast drop inlet will connect a 24' reinforced concrete pipe to the existing 30' corrugated metal pipe. Precast drop inlet will be constructed of a custom precast concrete 48 inch by 36 inch in size, and will require the disturbance of approximately 60 cubic feet of soil.

Attachment 3 provides the current design drawing for the access road and Attachment 4 provides the current design drawing for the precast drop inlet.

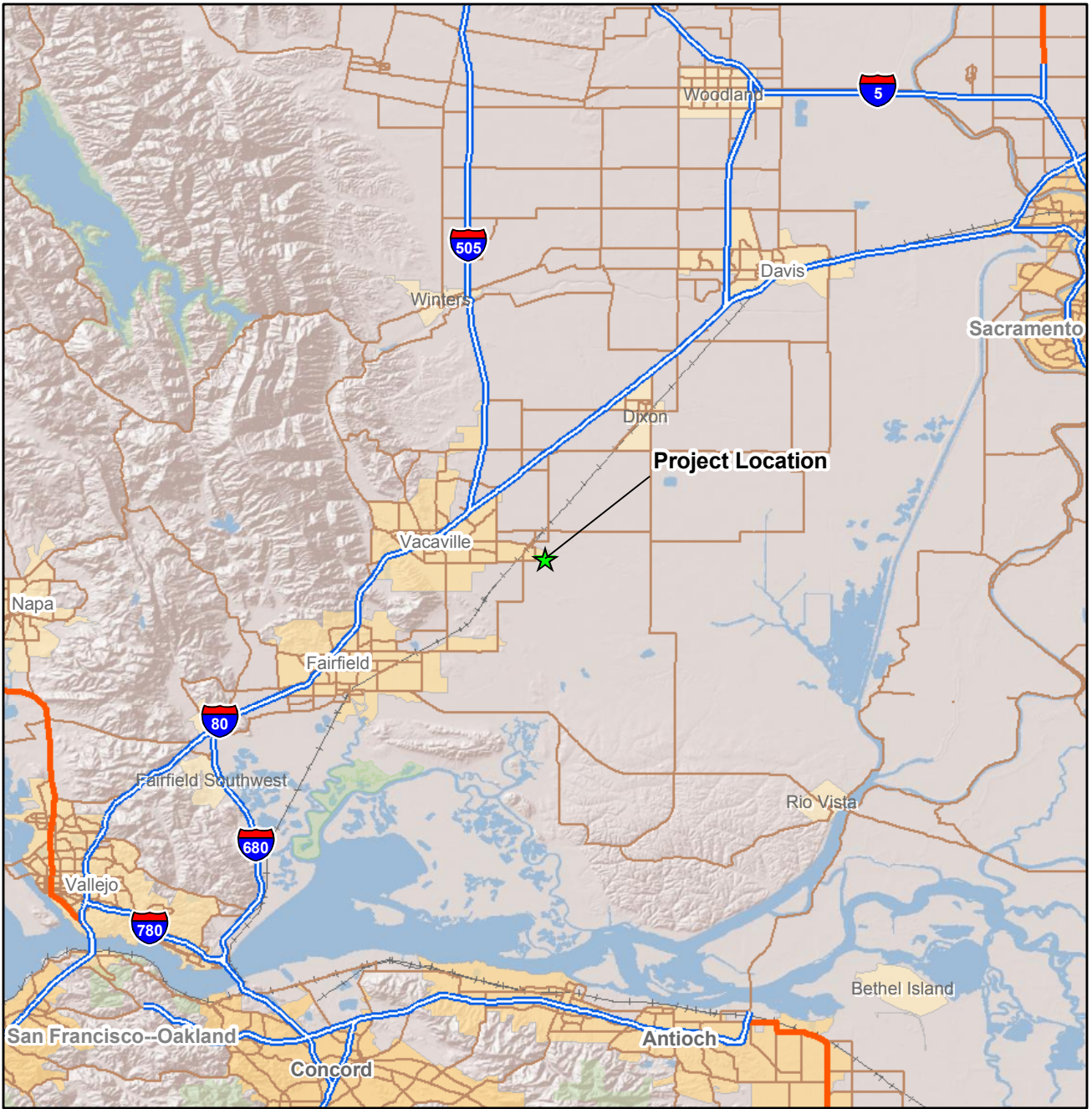
Block 22 Surface Area in Acres of Wetlands or Other Waters Filled

Access Road:

Approximately 0.11 acres will be filled to allow for construction of access road to project site. Access road will include the installation of a 24-inch diameter concrete reinforced pipeline, a maximum of 100 feet long. A backhoe will be used to move soil/fill into the culvert for construction of the access road.

Overflow pipeline:

A precast drop inlet will be installed at the roadside culvert to the northwest corner of Fry Road and Lewis Road. There will be no fill associated with the installation of the precast drop inlet.



VICINITY MAP

LEGEND
 ★ Project Location

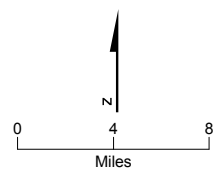


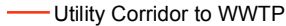





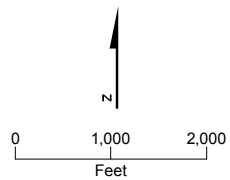
FIGURE 1.1-2
PROJECT VICINITY
 CPV VACA STATION
 VACAVILLE, CA



VICINITY MAP

LEGEND

-  Natural Gas Pipeline Route
-  Electrical Transmission Line Route
-  Utility Corridor to WWTP
-  New Substation
-  Construction Laydown Area
-  Project Boundary



**FIGURE 1.1-3
PROJECT LOCATION**
CPV VACA STATION
VACAVILLE, CA

ATTACHMENT 2

Block 24 Property Owners

BATCH VACAVILLE LAND & DEV
52 APPLEWOOD DR
LODI CA 95242-8319

SOUTHERN PACIFIC CO
1 MARKET ST
SAN FRANCISCO CA 94105-1402

BATCH VACAVILLE LAND & DEV
52 APPLEWOOD DR
LODI CA 95242-8319

BATCH VACAVILLE LAND & DEV
52 APPLEWOOD DR
LODI CA 95242-8319

BATCH VACAVILLE LAND & DEV
52 APPLEWOOD DR
LODI CA 95242-8319

SOUTHERN PACIFIC CO
1 MARKET ST
SAN FRANCISCO CA 94105-1402

GOLD RIDGE HILLS LLC
2220 BOYNTON AVE #A
FAIRFIELD CA 94533-4302

GOLD RIDGE HILLS LLC
2220 BOYNTON AVE #A
FAIRFIELD CA 94533-4302

HOPEWELL INDUSTRIES INC
2311 GOLDENROD LN
SAN RAMON CA 94582-5546

VACAVILLE CITY
650 MERCHANT ST
VACAVILLE CA 95688-6908

HOPEWELL INDUSTRIES INC
2311 GOLDENROD LN
SAN RAMON CA 94582-5546

HOPEWELL INDUSTRIES INC
2311 GOLDENROD LN
SAN RAMON CA 94582-5546

EDWARD L FRY
PO BOX 6389
VACAVILLE CA 95696-6389

STEVEN A & HEIDI A SPENCER
PO BOX 1445
DIXON CA 95620-1445

JULIA I CARRINGTON
6466 LEWIS RD
VACAVILLE CA 95687-9496

TERRY L & K L DICKINSON
5685 FRY RD
VACAVILLE CA 95687-9431

JANNINE M FOSTER
5672 FRY RD
VACAVILLE CA 95687-9431

CHARLES A JONES
PO BOX 183
CORTE MADERA CA 94976-0183

CURTIS & R A ORMISTON
PO BOX 131
ELMIRA CA 95625-0131

MARK C ORMISTON
PO BOX 131
ELMIRA CA 95625-0131

EDWARD L FRY
PO BOX 6389
VACAVILLE CA 95696-6389

EDWARD L FRY
PO BOX 6389
VACAVILLE CA 95696-6389

JOHN & RUTH LEDFORD
5836 LEWIS RD
VACAVILLE CA 95687-9449

EDWARD L FRY
PO BOX 6389
VACAVILLE CA 95696-6389

EDWARD L FRY
PO BOX 6389
VACAVILLE CA 95696-6389

HARVEY RALPH & PATRICIA FRY
5865 FRY RD
VACAVILLE CA 95687-9431

SPENCER J THOMAS
2145 GENEVA AVE
SAN FRANCISCO CA 94134-3118

JOSE Y ALBERDI
7141 BATAVIA RD
DIXON CA 95620-9736

JOSE Y ALBERDI
7141 BATAVIA RD
DIXON CA 95620-9736

BROWN ALAN TRUST
1005 ORCHARD DR
DIXON CA 95620-9306

JOSE Y ALBERDI
7141 BATAVIA RD
DIXON CA 95620-9736

JOHN C & PAULA POWER
36101 SHORELINE HWY
GUALALA CA 95445

N 1/2 SEC. 25, T.6N., R.1W. M.D.B. & M.
 POR. SEC. 30, T.6N., R.1E. M.D.B. & M.

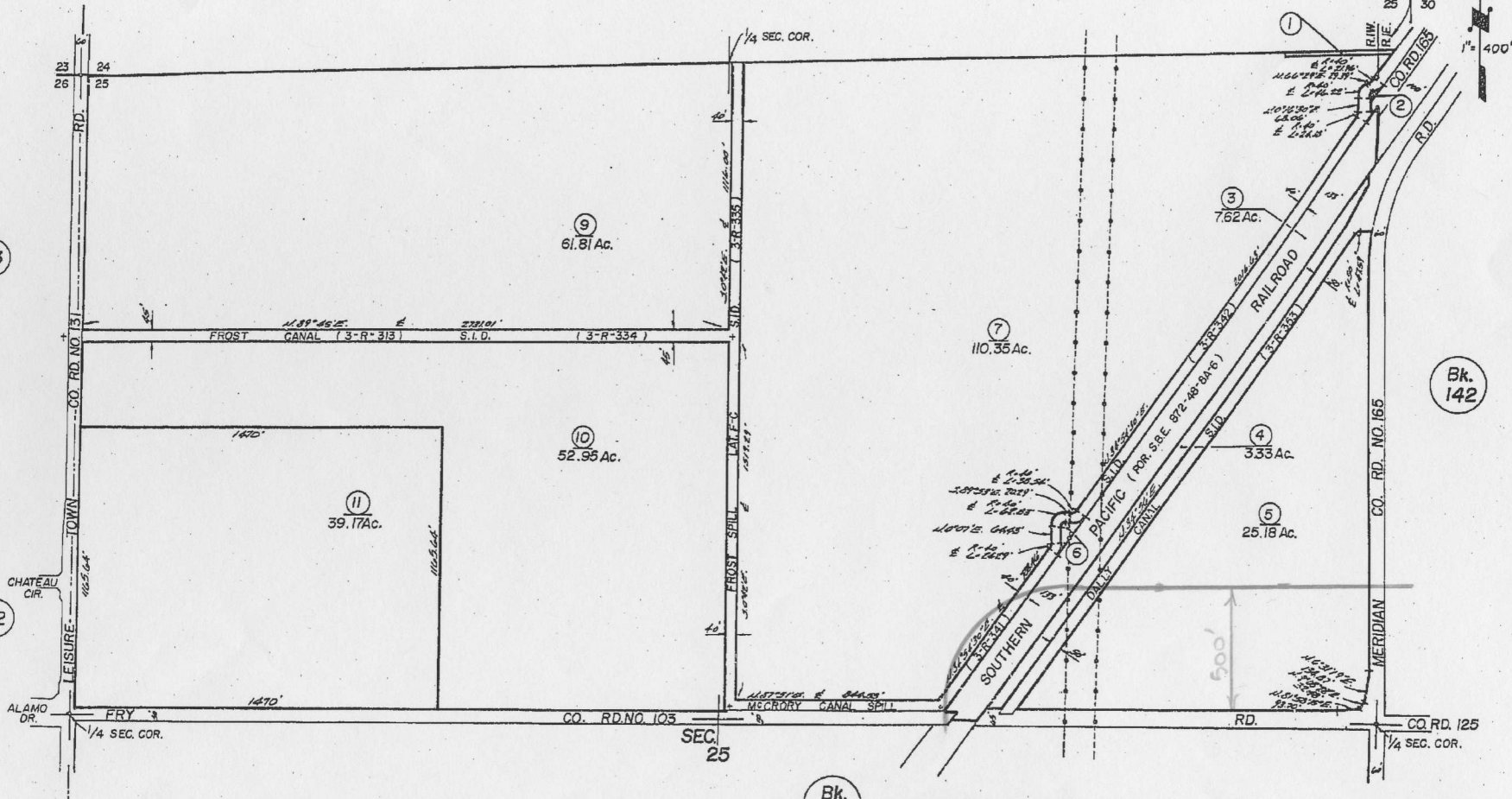
Tax Area Code
 910021

135-09

08

03

72



REVISION	DATE	BY

Bk. 136

NOTE: This map is for assessment purposes only and is not for the intent of interpreting legal boundary rights, zoning regulations and/or legality of land division laws.

NOTE - Assessor's Block Numbers Shown in Ellipses
 Assessor's Parcel Numbers Shown in Circles

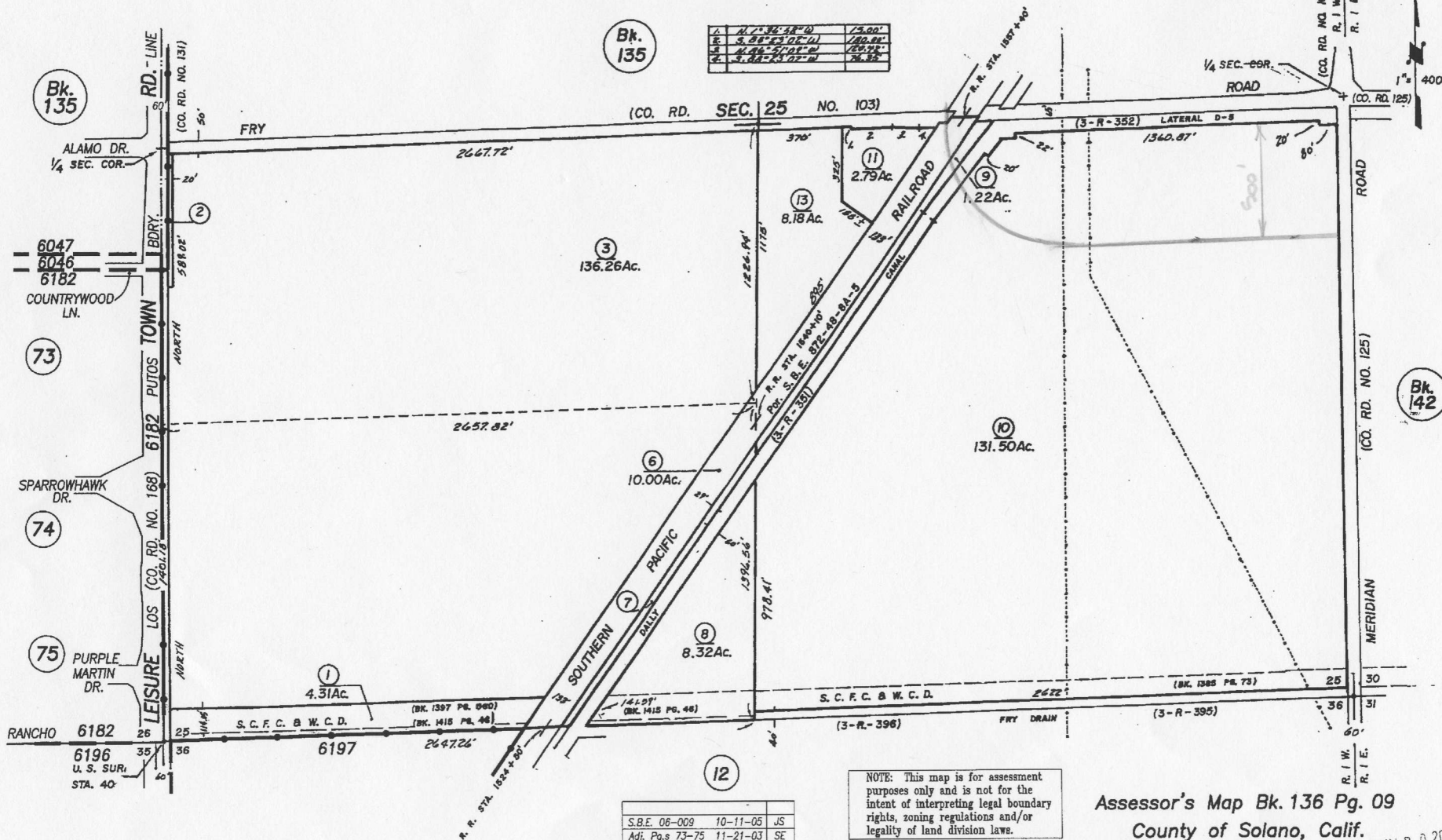
OCT 26 1995
 Assessor's Map Bk.135 Pg.09
 County of Solano, Calif.

96/97

S. 1/2 SEC. 25, T.6N., R.1W., M.D.B. & M.

Tax Area Code
91021

136-09



NOTE: This map is for assessment purposes only and is not for the intent of interpreting legal boundary rights, zoning regulations and/or legality of land division laws.

NOTE: Assessor's Block Numbers Shown in Ellipses
Assessor's Parcel Numbers Shown in Circles

S.B.E. 06-009	10-11-05	JS
Adj. Pgs 73-75	11-21-03	SE
090-13 Comb.	2-28-83	DEW
090-11&12	2-25-83	DEW
ALAMO DR.	9-12-78	MRT
REVISION	DATE	BY

Assessor's Map Bk. 136 Pg. 09
County of Solano, Calif.

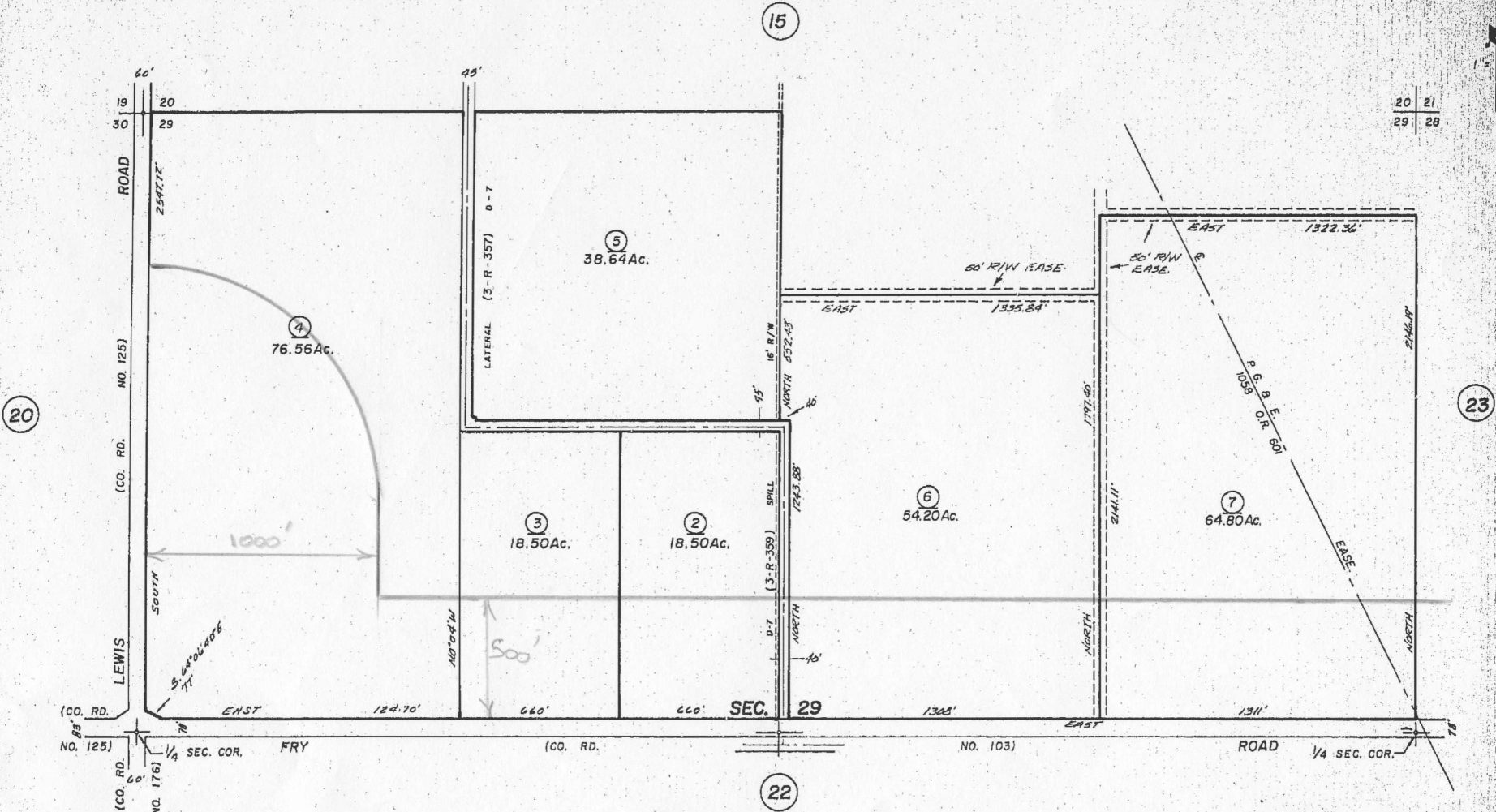
06-07

JUN 20 2006

N. 1/2 SEC. 29, T. 6 N., R. 1 E., M. D. B. & M.

Tax Area Code
91021

142-21



Assessor's Map Bk. 142 Pg. 21
County of Solano, Calif.

210-26-607	12-10-01	PHV	
REVISION	DATE	BY	

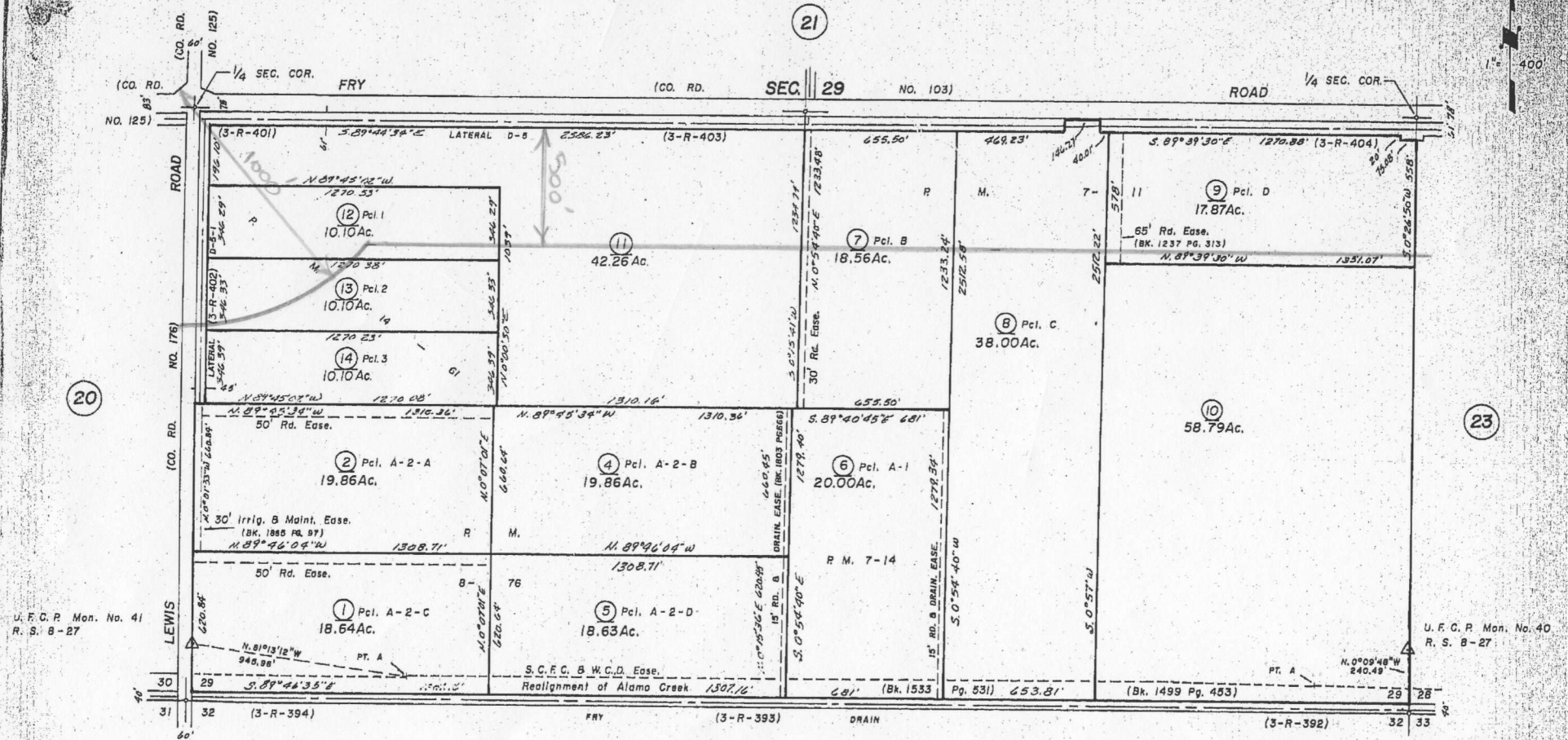
NOTE - Assessor's Block Numbers Shown in Ellipses
Assessor's Parcel Numbers Shown in Circles

82-83

S. 1/2 SEC. 29, T. 6 N., R. 1 E., M. D. B. & M.

Tax Area Code
91021

142-22



U. F. C. R. Mon. No. 41
R. S. 8-27

U. F. C. R. Mon. No. 40
R. S. 8-27

REVISION	DATE	BY

NOTE - Assessor's Block Numbers Shown in Ellipses
Assessor's Parcel Numbers Shown in Circles

Assessor's Map Bk. 142 Pg. 22
County of Solano, Calif.

7079

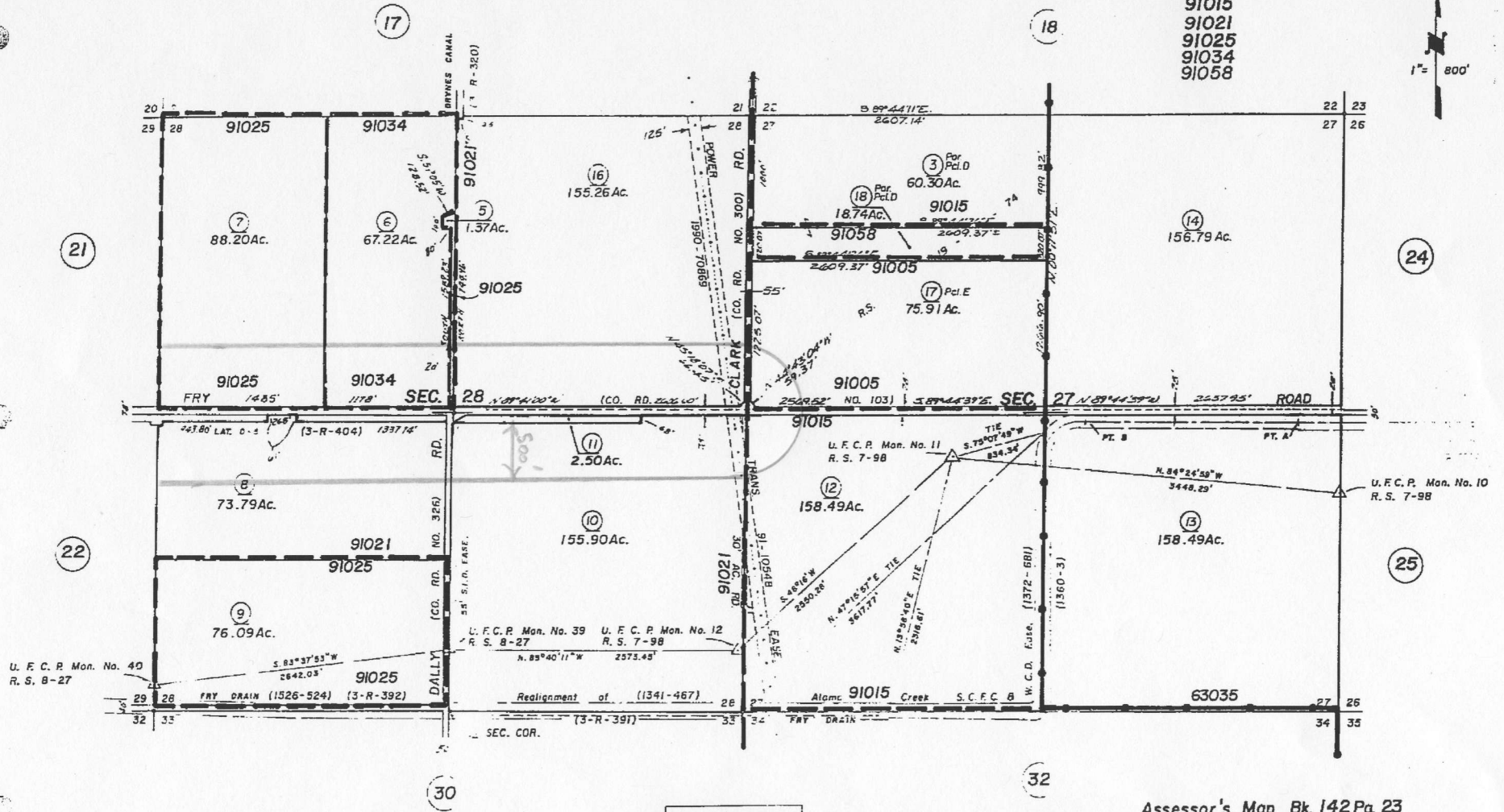
142-23

SEC'S. 27 & 28, T. 6 N., R. 1 E., M. D. B. & M.

Tax Area Code

63035
91005
91015
91021
91025
91034
91058

142-23



REVISION	DATE	BY

NOTE - Assessor's Block Numbers Shown in Ellipses
Assessor's Parcel Numbers Shown in Circles

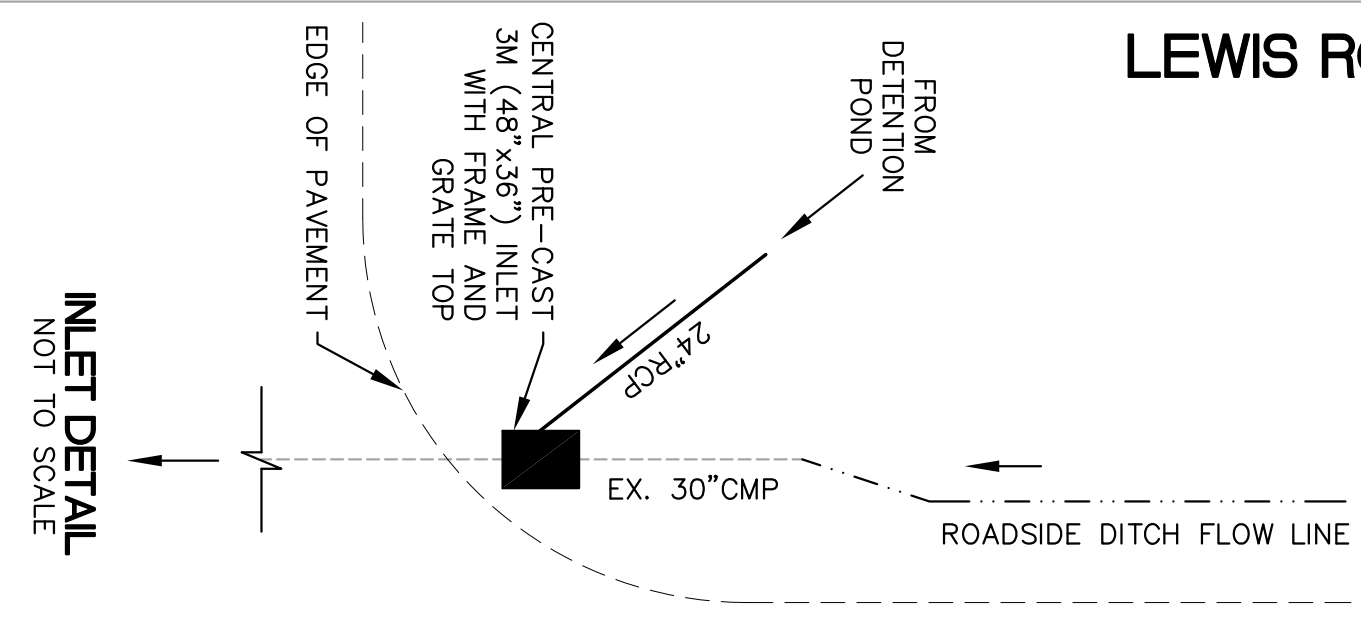
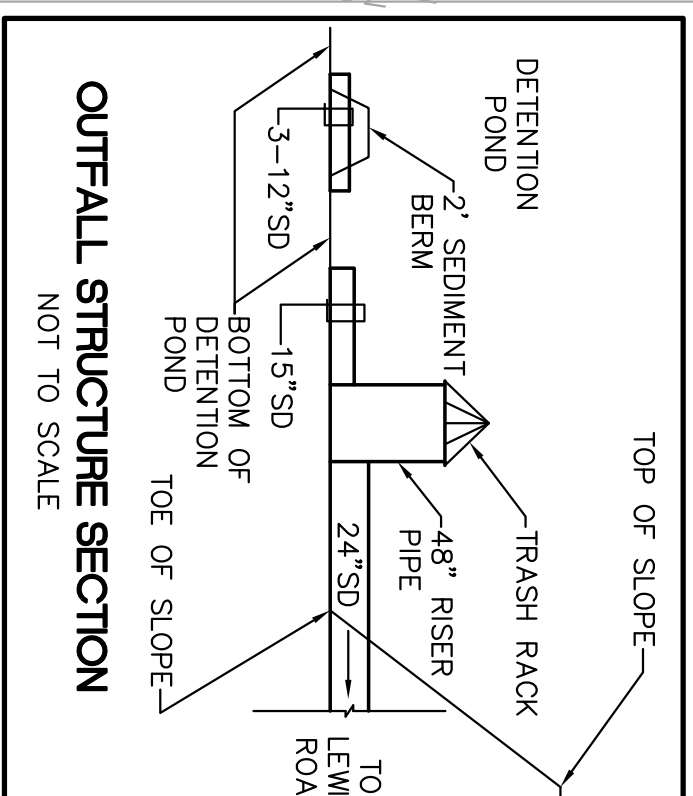
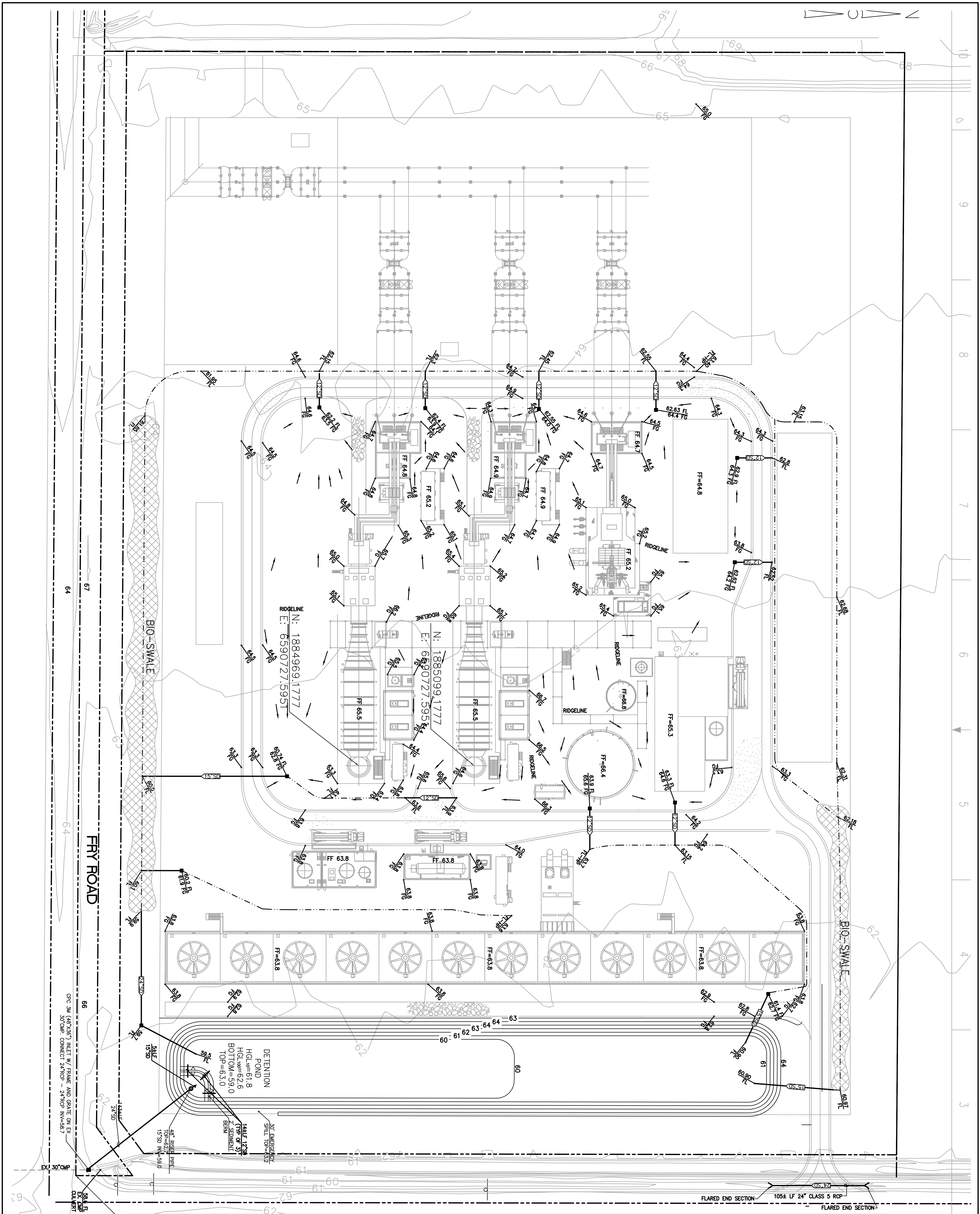
Assessor's Map Bk. 142 Pg. 23

County of Solano, Calif.

92-93

ATTACHMENT 3

Block 21 Access Road



N: 1884650.1797
E: 6591189.3531

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NO.	REVISIONS:	DESCRIPTION	DATE

ISSUE DATE: 02/05/10
PROJECT NO.: 271120
SHEET NO.: 09

PROJECT NAME/LOCATION:
COMPETITIVE POWER VENTURES
VACAVILLE CALIFORNIA

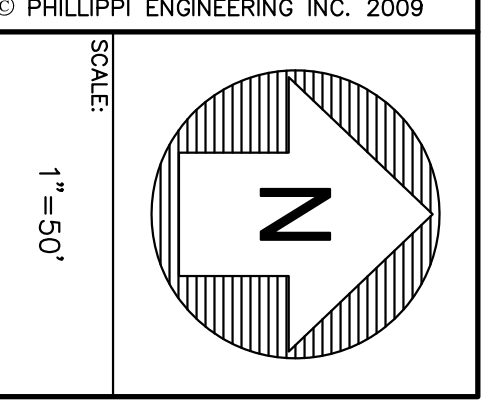
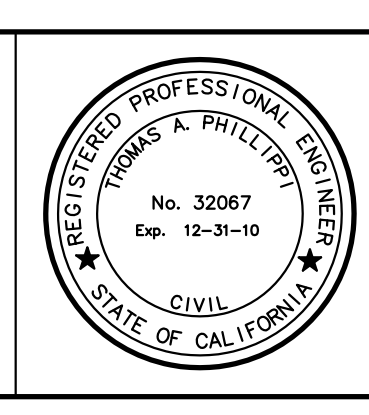
DRAWING TITLE:
GRADING AND DRAINAGE PLAN

PHILLIPPI ENGINEERING
CIVIL ENGINEERING - LAND SURVEYING
429 MERCHANT STREET VACAVILLE, CA 95688
P.O. BOX 6556 VACAVILLE, CA 95696
OFFICE (707) 451-6556 FAX (707) 451-6555

DESIGNED BY: VAB
DRAFTED BY: VAB
CHECKED BY: AFH, II

PRELIMINARY

APPROVED BY:
CITY ENGINEER
CE NO.:
DATE OF APPROVAL:



ATTACHMENT 4

Block 21 Central Pre Cast Drop Inlet

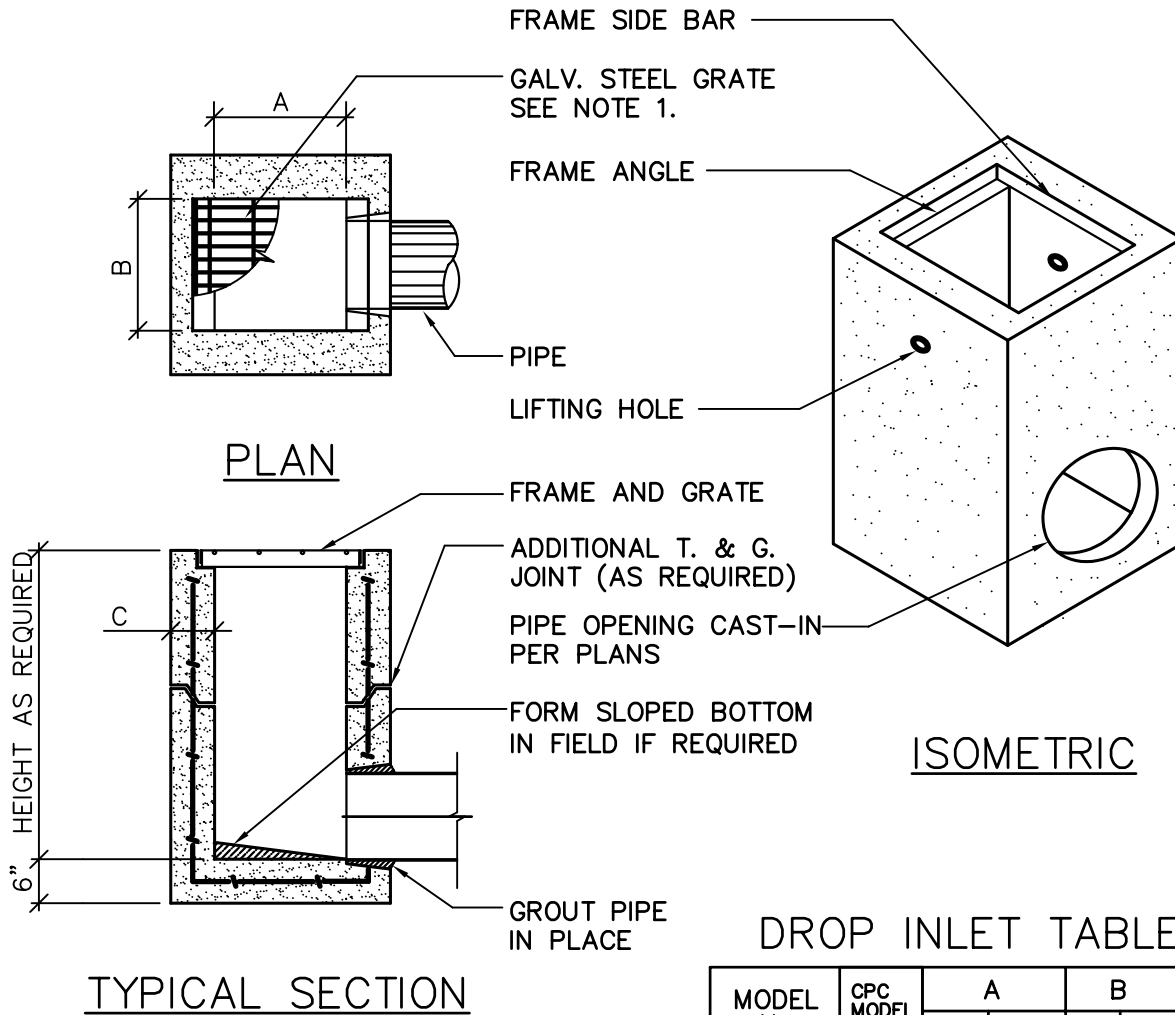


Title: SECTION-1	Date: 05/15/03	Dwg. No. IN-S1
	Rev.	Page No. 1-1

CUSTOM PRECAST DROP INLETS

MODEL No.	MODEL NAME	INSIDE DIMENSION	SHIPPING WT.(LBS. /KG)			DWG. NO.	PAGE NO.
			FLOOR SLAB	WALLS PER FT.	WALLS PER IN.		
CP1212	(EK)	12"x12" (300mm x 300mm)	210/95	268/121	21.7	D1	1-2
CP1818	(CK)	18"x18" (450mm x 450mm)	408/185	476/217	38.6	D1	1-2
CP1824	(HK)	18"x24" (450mm x 600mm)	595/224	540/245	45.8	D1	1-2
CP2424	(2K)	24"x24" (600mm x 600mm)	600/272	600/272	50	D1	1-2
CP2430	(3K)	24"x30" (600mm x 750mm)	700/318	670/304	56	D1	1-2
CP3030	(5K)	30"x30" (750mm x 750mm)	920/417	900/408	75	D1	1-2
CP2436	(1L)	24"x36" (600mm x 900mm)	900/408	900/408	75	D1	1-2
CP3636	(1M)	36"x36" (900mm x 900mm)	1200/544	1050/476	87.5	D1	1-2
CP2448	(3L)	24"x48" (600mm x 1200mm)	1130/512	1050/476	87.5	D1	1-2
CP3648	(3M)	36"x48" (900mm x 1200mm)	1500/680	1200/544	100	D1	1-2
CP4848	(1R)	48"x48" (1200mm x 1200mm)	1900/862	1350/612	113	D1	1-2
Drop Inlet Transition Slab						D1-TS	1-3
Drop Inlet With Side Opening						D1-SO	1-4
Drop Inlet Discharge Options						D1-DO	1-5
Drop Inlet Surface Options						D1-SO	1-6
Grate Locking Detail						LOCK	1-7
Standard (Non-Traffic) Frames and Grates Detail						S-G	1-8
Heavy (Traffic) Frames and Grates Detail						H-G	1-9
Close-Mesh Frame and Grate Detail						CM	1-10
Paving Notch for Drop Inlet						P-N	1-11
Precast Base Typical Installation						DI-INST.	1-12
Junction Box With Cast Iron Manhole Cover						24-I	1-13

Title: CUSTOM PRECAST CONCRETE DROP INLETS	Date: 05/15/03	Dwg. No. DI
	Rev.	Page No. 1-2



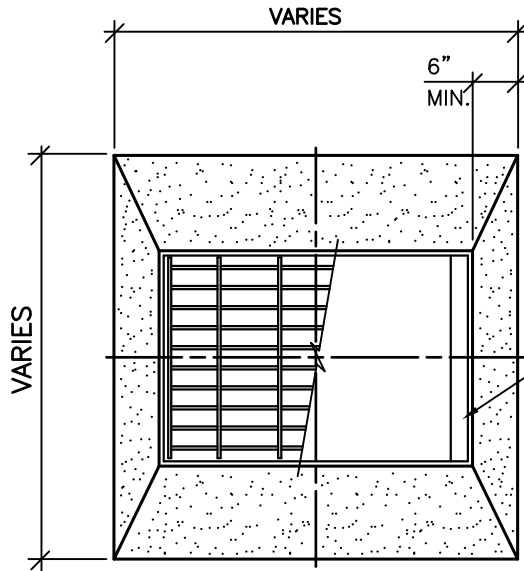
NOTES :

- FRAMES AND GRATES MAY BE SPECIFIED FOR PEDESTRIAN OR H2O TRAFFIC LOADING. ALL GRATES ARE BICYCLE PROOF. OPTIONAL GRATE LOCKING DEVICE AVAILABLE ON REQUEST SEE DRAWING 'LOCK' ON PAGE 1-7. CLOSED-MESH GRATES OR CAST IRON FRAME AND GRATES ARE AVAILABLE ON REQUEST.
- FOR SURFACE AND DISCHARGE OPTIONS AVAILABLE SEE DRAWING NO. 'DI-SO' PAGE 1-6 AND 'DI-DO' PAGE 1-5.
- FRAMES AND GRATES DETAILS SEE PAGES 1-8, 1-9, AND 1-10.
- WALL THICKNESSES ON ALL D.I.S. CAN BE CHANGED UPON REQUEST.
- 18" WIDE D.I.'S REPLACE THE OLD 16" WIDE BOX BK & 1K.

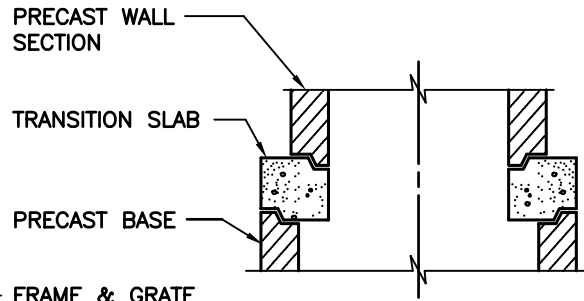
DROP INLET TABLE

MODEL No.	CPC MODEL NAME	A		B		C	
		IN	MM	IN	MM	IN	MM
CP1212	EK	12	300	12	300	4	100
CP1818	CK	18	450	18	450	5	125
CP1824	1K*	18	450	24	600	5	125
CP2424	2K	24	600	24	600	5	125
CP2430	3K	24	600	30	750	5	125
CP3030	5K	30	750	30	750	6	150
CP2436	1L	24	600	36	900	6	150
CP3636	1M	36	900	36	900	6	150
CP2448	3L	24	600	48	1200	6	150
CP3648	3M	36	900	48	1200	6	150
CP4848	1R	48	1200	48	1200	6	150

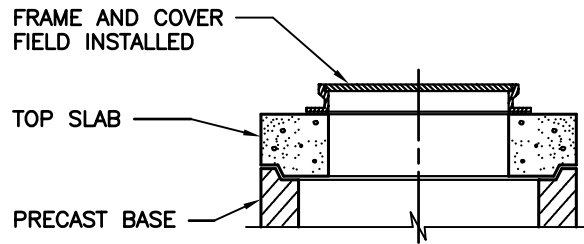
Title: TRANSITION SLABS FOR DROP INLETS	Date: 05/15/03	Dwg. No. DI-TS
	Rev.	Page No. 1-3



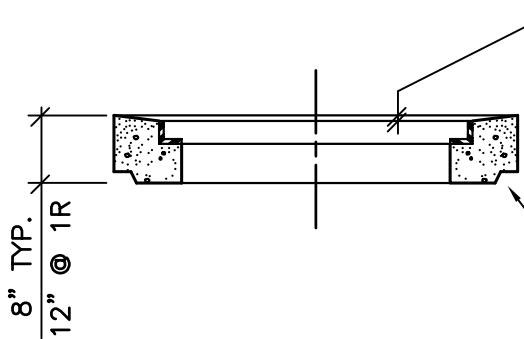
PLAN VIEW



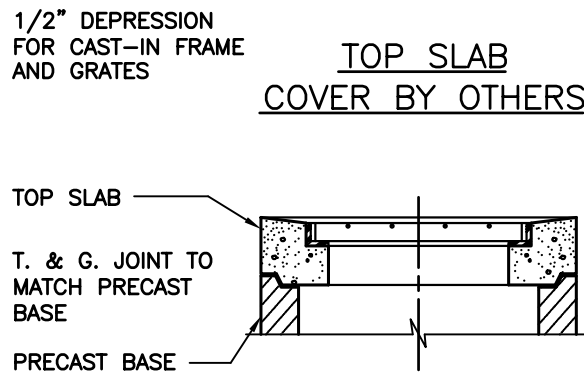
INTERMEDIATE SLAB



TOP SLAB
COVER BY OTHERS



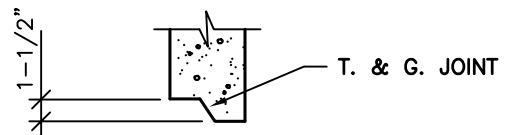
TYPICAL SECTION



TOP SLAB
FRAME CAST IN

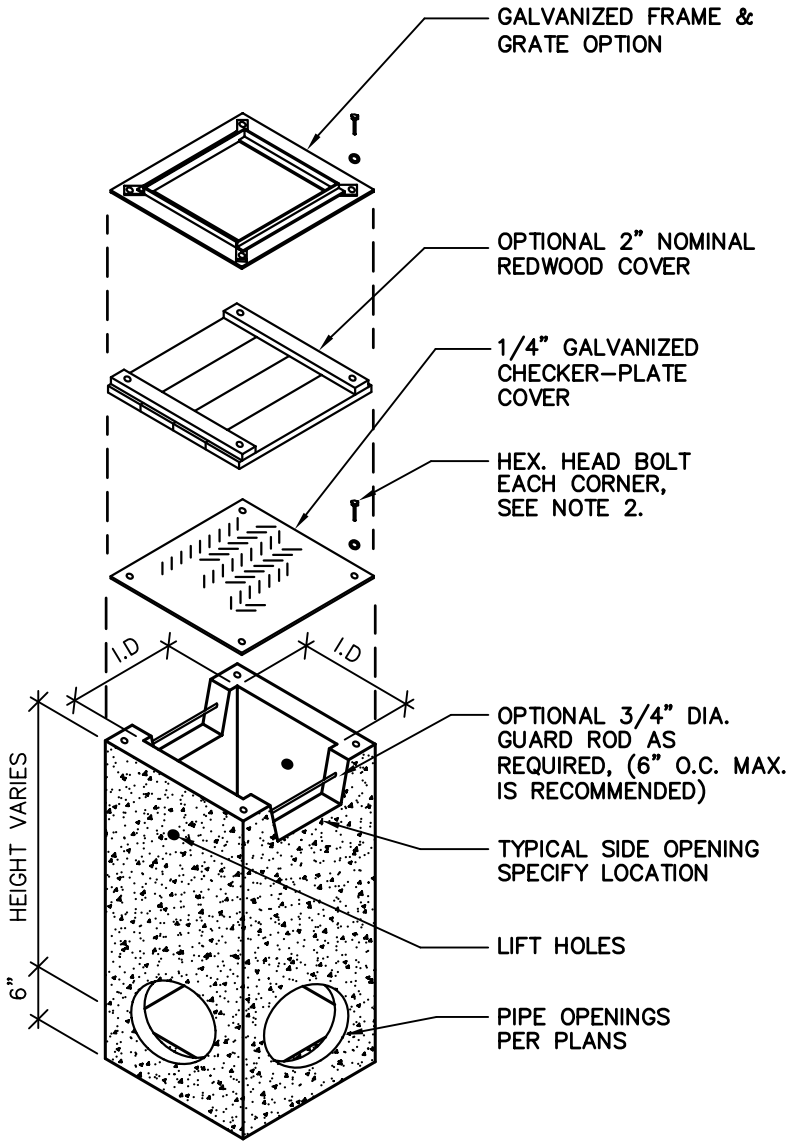
NOTES :

1. PRECAST SLABS ARE A CUSTOM-POURED PRODUCT, FABRICATED TO MEET SPECIFIC JOB REQUIREMENTS. THE OPTIONS SHOWN HERE ILLUSTRATE ONLY A FEW OF THE POSSIBILITIES. PLEASE CALL FOR QUOTES FOR YOUR SPECIFIC APPLICATION.
2. ALL SLABS ARE PROVIDED WITH LIFTING LOOPS OR INSERTS TO FACILITATE HANDLING IN THE FIELD.
3. REINFORCING OF SLABS VARIES WITH LOADING REQUIREMENTS. GENERALLY SLABS WILL BE REINFORCED FOR EITHER H20 HIGHWAY LOADING OR SIDEWALK LOADING. SPECIFY YOUR LOADING REQUIREMENTS WHEN ORDERING. OUR STAFF ENGINEER WILL DESIGN THE SLAB TO MEET YOUR SPECIFIED NEEDS.
4. CONCRETE FOR SLABS SHALL TEST 3000 PSI AT 28 DAYS.



JOINT DETAIL

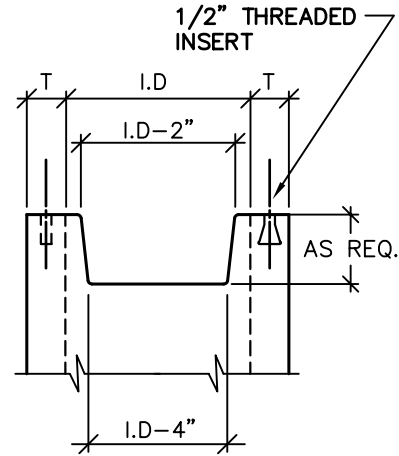
Title: DROP INLET WITH SIDE OPENING	Date: 05/15/03	Dwg. No. DI-SO
	Rev.	Page No. 1-4



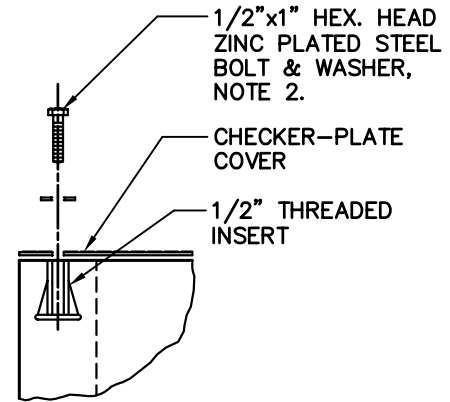
ISOMETRIC

NOTES :

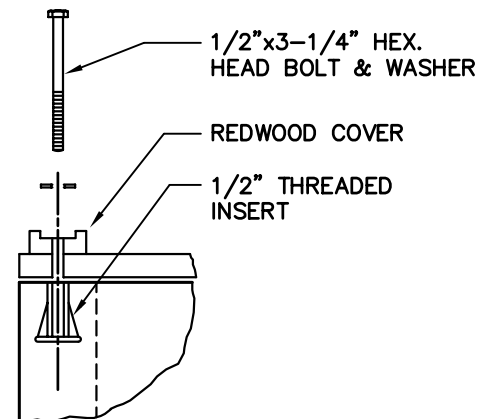
- SIDE OPENINGS CAN BE PROVIDED ON ANY MODEL DROP INLET, PLEASE SEE DWG., PAGE 1-2.
- COUNTERSUNK BOLTS AVAILABLE ON REQUEST, FOR CHECKER-PLATE OPTION.



TYPICAL SIDE OPENING

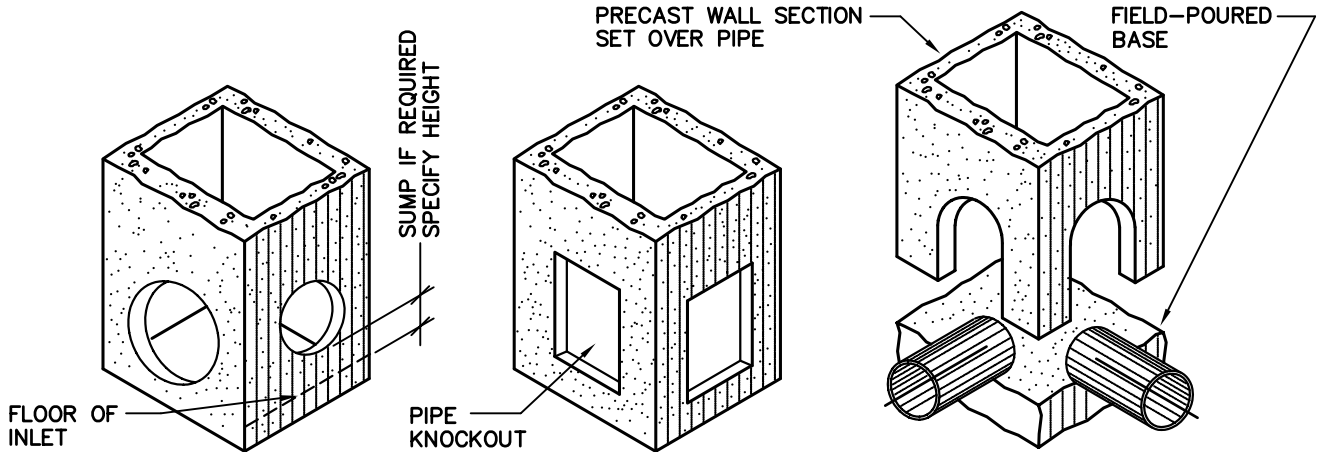


STEEL COVER
FASTENING DETAIL

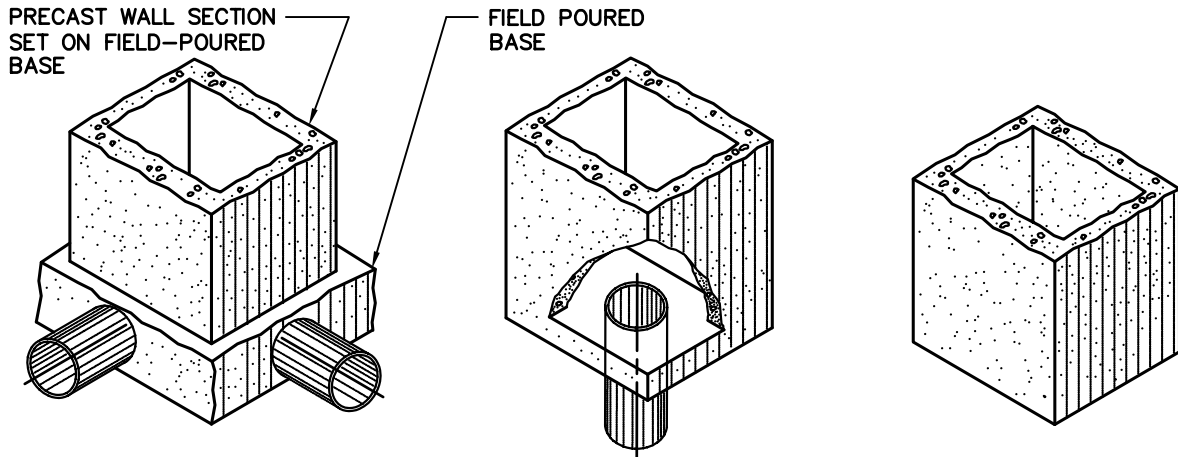


REDWOOD COVER
FASTENING DETAIL

Title: CUSTOM INLET DISCHARGE OPTIONS	Date: 05/15/03	Dwg. No. DI-D0
	Rev.	Page No. 1-5



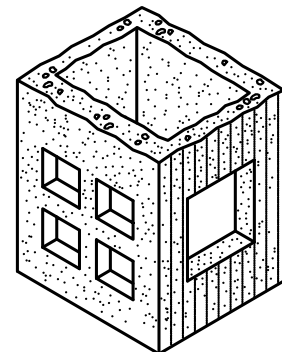
- ① PIPE OPENINGS CAST IN PER PLANS ② KNOCKOUTS ALL FOUR SIDES, OR AS REQUIRED. ③ WALL SECTION BASE WITH HORSESHOE PIPE OPENING AS REQUIRED



- ④ WALL SECTION WITHOUT PIPE OPENINGS ⑤ PIPE OPENING CAST INTO BASE ⑥ BASE WITHOUT OPENINGS

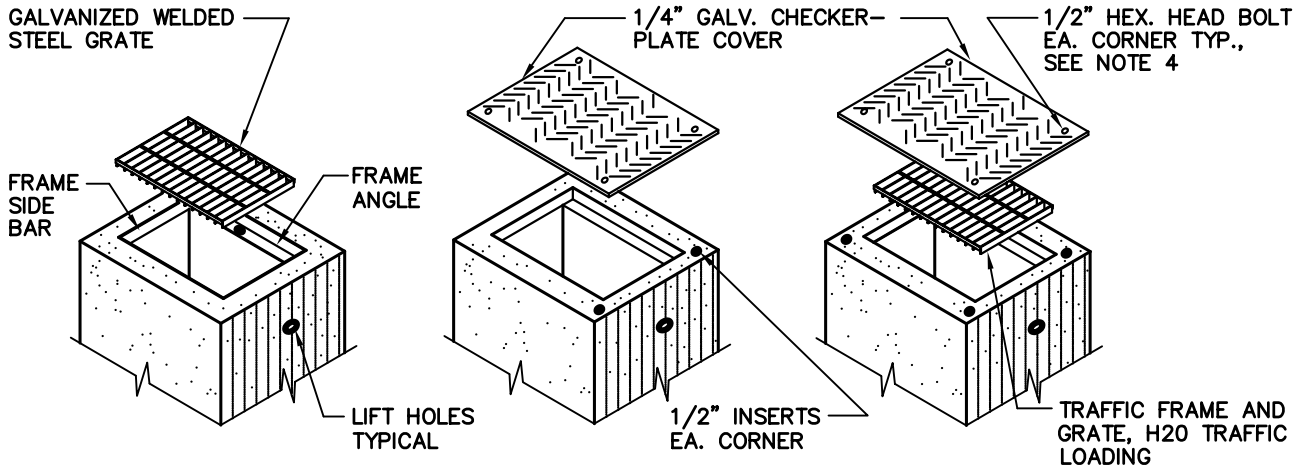
NOTES :

- ANY OF THESE OPTIONS MAY BE COMBINED WITH ANY OF THE DISCHARGE OPTIONS, SHOWN ON DRAWING DI-S0, PAGE 1-6, TO CREATE A COMPLETE CUSTOM INLET.
- WHEN WALL SECTIONS ARE USED, SPECIFY TYPE OF BOTTOM JOINT REQUIRED - FLAT OR TONGUE & GROOVE.

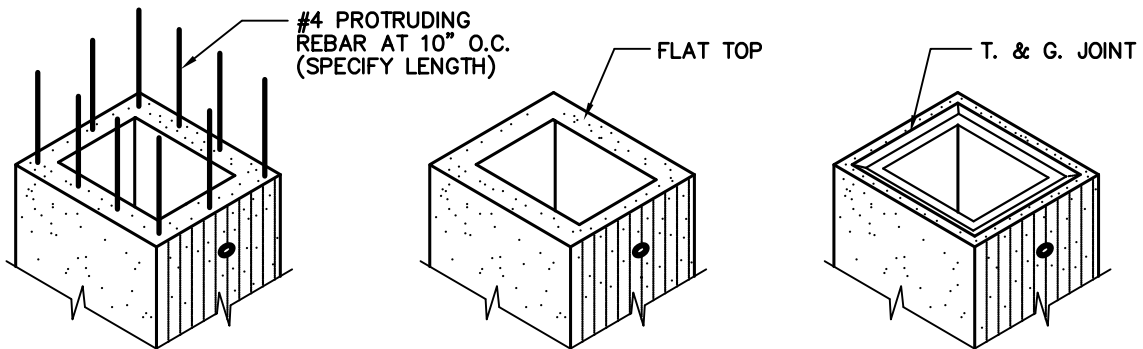


- ⑦ SPECIAL OPENINGS AVAILABLE ON REQUEST

Title: DROP INLET SURFACE OPTIONS	Date: 05/15/03	Dwg. No. DI-S0
	Rev.	Page No. 1-6



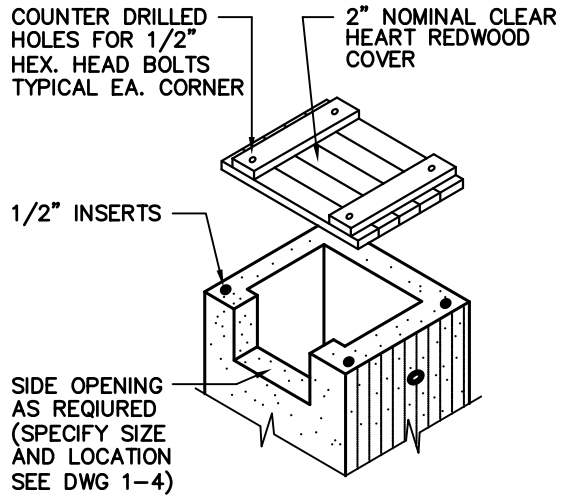
① PEDESTRIAN OR TRAFFIC FRAME AND GRATE ② STANDARD CHECKERED PLATE COVER ③ REINFORCED CHECKERED PLATE COVER



④ FLAT TOP WITH PROTRUDING REBAR ⑤ FLAT TOP ⑥ TONGUE & GROOVE JOINT

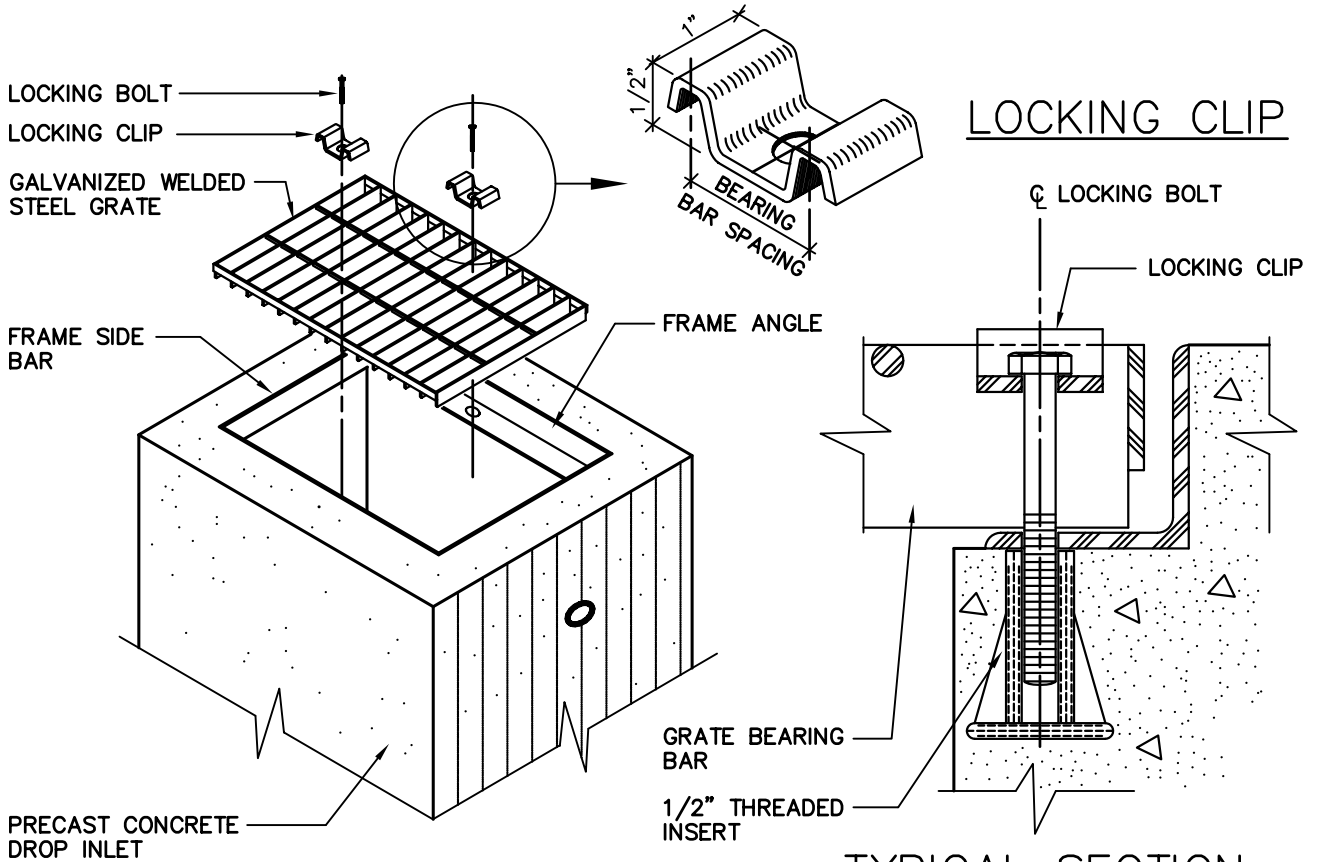
NOTES :

1. ANY SURFACE OPTION SHOWN HERE MAY BE COMBINED WITH ANY OF THE DISCHARGE OPTIONS, SHOWN ON DRAWING 'DI-D0', PAGE 1-5, TO CREATE A COMPLETE CUSTOM INLET.
2. FRAMES AND GRATES MUST BE SPECIFIED EITHER STANDARD OR HEAVY. HEAVY GRATES ARE DESIGNED FOR H2O HIGHWAY LOADING.
3. THE SIDE OPENING SHOWN ON OPTION 7 MAY BE COMBINED WITH ANY OTHER SURFACE OPTION ON THIS SHEET.
4. COUNTERSUNK BOLTS AVAILABLE ON REQUEST.



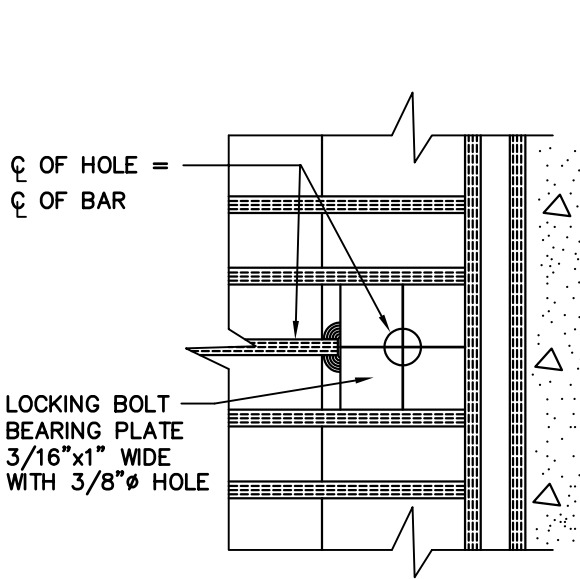
⑦ REDWOOD COVER AND SIDE OPENINGS

Title: GRATE LOCKING DETAILS FOR INLETS	Date: 05/15/03	Dwg. No. LOCK
	Rev.	Page No. 1-7

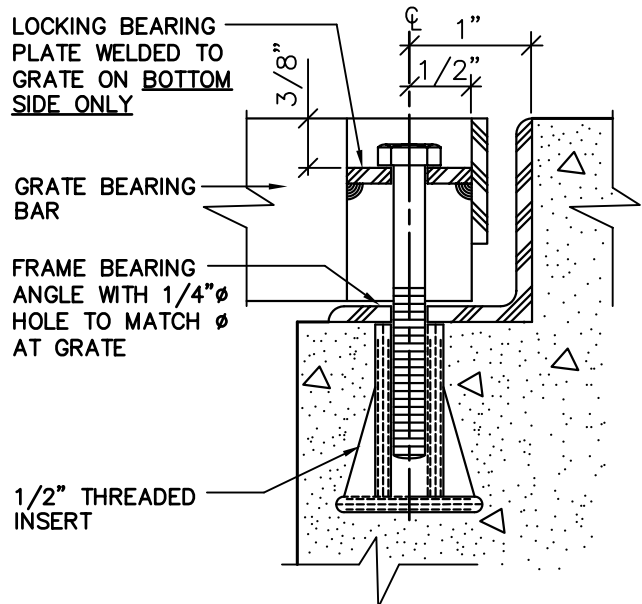


TYPICAL DROP INLET

TYPICAL SECTION AT LOCKING DEVICE



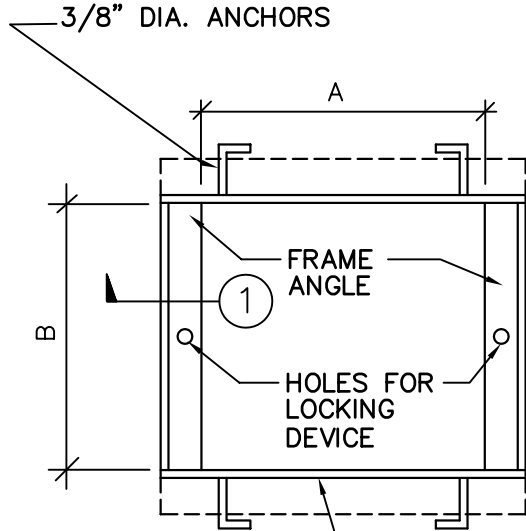
PARTIAL PLAN



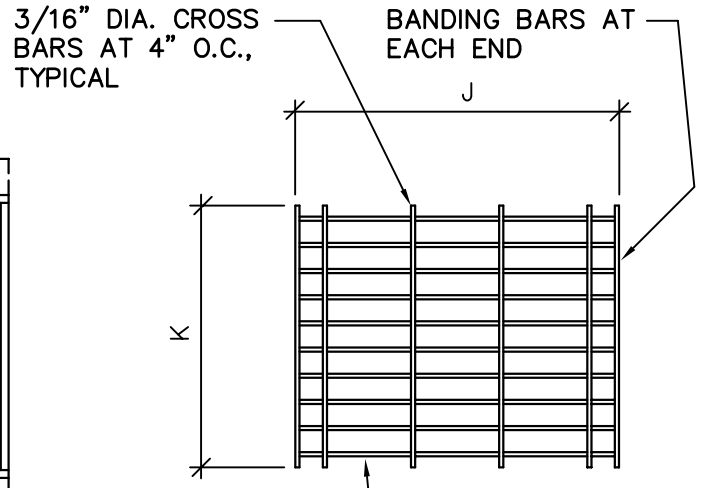
OPTIONAL SECTION AT LOCKING DEVICE



Title: PEDESTRIAN (NON TRAFFIC) BICYCLE-PROOF FRAMES & GRATES FOR DROP INLETS	Date: 05/15/03	Dwg. No. PG
	Rev.	Page No. 1-8



ANGLE
STANDARD ANGLE FRAME
MODELS CP1212-2448



BANDING BARS AT EACH END
BEARING BARS AT 1-3/16" O.C., TYPICAL
BUILT-UP ANGLE FRAME
MODELS CP3030-4848

DETAIL - 1

FRAME PLAN

GRATE PLAN

FRAMES						
MODEL No.	CPC MODEL NAME	A	B	FRAME ANGLE	SIDE BAR	WEIGHT
		IN	IN	IN	IN	LBS.
CP1212	EK	12-3/8	12-3/8	1-1/2x1-1/2X3/16	1-1/2x1/4	10
CP1818	CK	18-5/16	18-5/16	1-1/2x1-1/4x1/8	1-1/4 L	7
CP1824	1K*	18-5/16	24-3/8	1-1/2x1-1/2x3/16	1-1/2X1/4	7
CP2424	2K	24-3/8	24-3/8			20
CP2430	3K	24-3/8	30-3/8			23
CP2436	5K	24-3/8	36-3/8			25
CP2448	1L	24-3/8	48-3/8			38
CP3030	1M	30-3/8	30-3/8			24
CP3636	3L	36-3/8	36-3/8	1-3/4x1-3/4X3/16	1-3/4x1/4	29
CP3648	3M	36-3/8	48-3/8	1-3/4x1-3/4X3/16	1-3/4x1/4	42
CP4848	1R	48-3/8	48-3/8	2x1-1/2X3/16	2x1/4	46

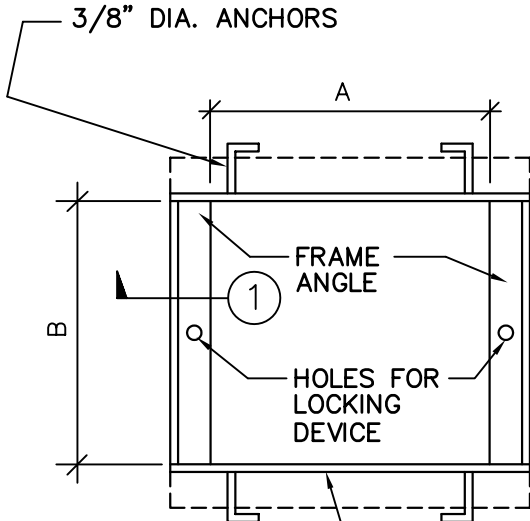
GRATES				
J	K	BEARING BARS	BANDING BARS	WEIGHT
IN	IN	IN	IN	LBS.
14-11/16	12-1/8	1-1/4X3/16	1-3/16	13
20-5/8	18-1/8	1X3/16	3/4x3/16	20
20-5/8	24-1/8	1X3/16	3/4x3/16	20
26-11/16	24-1/8	1X3/16X3/18	3/4x3/16	44
26-11/16	30-1/8			54
26-11/16	36-1/8			65
26-11/16	48			88
32-11/16	30-1/8			78
39-11/16	36-1/8	1-1/2X3/16	1-1/4x1/16	96
39-11/16	48	1-1/2X3/16	1-1/4x1/16	128
50-11/16	48	1-3/4X3/16	1-1/2x1/16	227

NOTES :

- FRAMES AND GRATES ARE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM. SPEC. A-123.
- FOR OPTIONAL GRATE LOCKING DEVICE SEE DWG. NO. LOCK, PAGE 1-7.

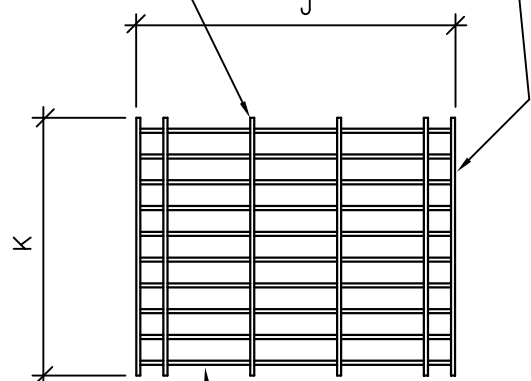


Title: TRAFFIC (H20) BICYCLE-PROOF FRAMES & GRATES FOR DROP INLETS	Date: 05/15/03	Dwg. No. TG
	Rev.	Page No. 1-9



3/16" DIA. CROSS BARS AT 4" O.C., TYPICAL

BANDING BARS AT EACH END



ANGLE
STANDARD ANGLE FRAME
MODELS CP1212-2448

FRAME/SIDE BAR
BUILT-UP ANGLE FRAME
MODELS CP3030-4848

BEARING BARS:
AT 1-3/16" O.C.
MODELS CP1212-2428
AT 1-7/8" O.C.
MODELS CP3030-4848

DETAIL - 1

FRAME PLAN

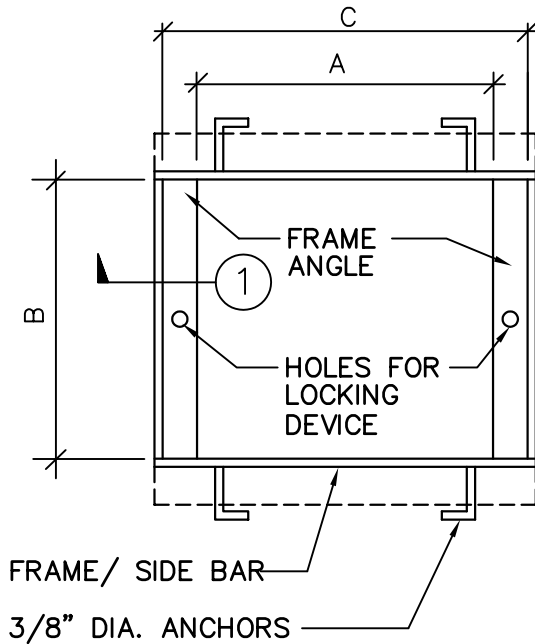
GRATE PLAN

MODEL No.	CPC MODEL NAME	FRAMES					GRATES				
		A IN	B IN	FRAME ANGLE IN	SIDE BAR IN	WEIGHT LBS.	J IN	K IN	BEARING BARS IN	BANDING BARS IN	WEIGHT LBS.
CP1212	EK	12-3/8	12-3/8	2x1-1/2x3/16	2x1/4	13	14-11/16	12-1/8	1-3/4x3/16	1-1/2x3/16	15
CP1818	CK	18-3/8	18-3/8	2-1/2x1-1/2x3/16	2x1/4	23	20-5/8	18-1/8	2-1/4x3/16	1-1/2x3/16	28
CP1824	1K*	18-3/8	24-3/8	2-1/2x1-1/2x3/16	2x1/4	23	20-5/8	24-1/8	2-1/4x3/16	2X3/16	28
CP2424	2K	24-3/8	24-3/8			30	26-11/16	24-1/8	2-1/4x3/16	2X3/16	72
CP2430	3K	24-3/8	30-3/8			33		30-1/8			98
CP2436	5K	24-3/8	36-3/8			35		36-1/8			137
CP2448	1L	24-3/8	48-3/8			58		48			144
CP3030	1M	30-3/8	30-3/8	V H	3x1/4 2-1/2x1/4	58	34-1/16	30-1/16	3-5/16	2-1/2x1/4	180
CP3636	3L	36-3/8	36-3/8	V H	3-1/2x1/4 2-1/2x1/4	62	40-1/16	36	3-1/2x1/4		228
CP3648	3M	36-3/8	48-3/8	V H	3-1/2x1/4 2-1/2x1/4	84	40	23-5/8	3-1/2x1/4		282
CP4848	1R	48-3/8	48-3/8	V H	4x1/4 2-1/2x1/4	93	52	23-15/16	4x5/16	3x1/4	548

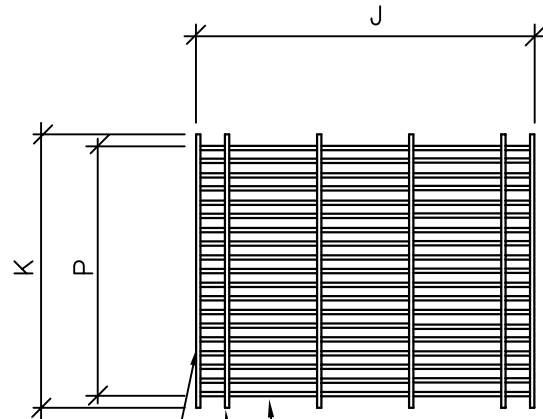
NOTES :

1. FRAME AND GRATES ARE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM SPEC. A-123.
2. FOR OPTIONAL GRATE LOCKING DEVICE SEE DWG. NO. LOCK, PAGE 1-7.
3. TWO IDENTICAL GRATES ARE REQUIRED ON MODELS CP3648 & CP4848.

Title: "ADA" WHEEL CHAIR PROOF FRAME AND GRATE DETAIL FOR DROP INLETS	Date: 05/15/03	Dwg. No. CM
	Rev.	Page No. 1-10



FRAME PLAN



GRATE PLAN

FRAMES						GRATE					
MODEL	A	B	C	BEARING ANGLE	SIDE BAR	J	K	P	BEARING BARS	BAND BAR	#
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	BARS
CP1212 ^S _H	12-3/8	12-3/8	15	1-1/2X1-1/2	1-1/2x1/4	14-3/4	12-1/8	12-1/16	1-1/4x3/16	1x3/16	21
CP1818 ^S _H	18-3/8	18-3/8	21	1-1/2X1-1/2 2X1-1/2	1-1/2x1/4 2x1/4	20-5/8	18-1/8	18	1-1/4x3/16 1-3/4x3/16	1x3/16 1-1/2x3/16	31
CP1824 ^S _H	18-3/8	24-3/8	21	1-1/2X1-1/2 2X1-1/2	1-1/2x1/4 2x1/4	20-5/8	18-1/8	18	1-1/4x3/16 1-3/4x3/16	1x3/16 1-1/2x3/16	31
CP2424 ^S _H	24-3/8	24-3/8	27	1-1/2X1-1/2 2-1/2X1-1/2	1-1/2x1/4 2-1/2x1/4	26-3/4	24-1/8	23-15/16	1-1/4x3/16 2-1/4x3/16	1x3/16 2x3/16	41

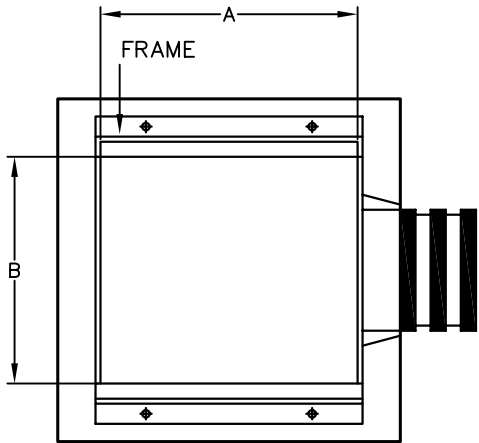
S = SIDEWALK LOADS (300PSF)
H = HEAVY TRAFFIC LOADS (H20)

NOTES :

1. FRAME AND GRATES ARE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM SPEC. A-123.
2. FOR OPTIONAL GRATE LOCKING DEVICE SEE DWG. NO. LOCK, PAGE 1-7.
3. DETAIL-1 SEE PAGES 1-8, 1-9.

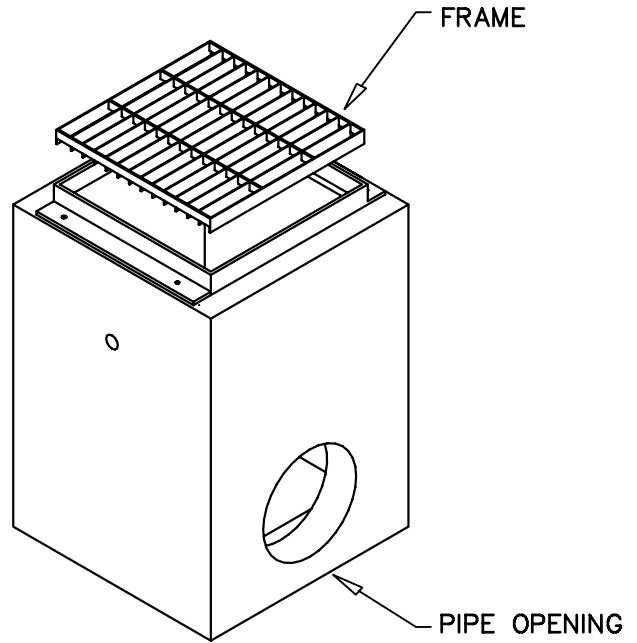


Title: STANDARD PRECAST DROP INLET WITH ADJUSTABLE PAVING NOTCH FRAME	Date: 05/15/03	Dwg. No. DI-PN.
	Rev.	Page No. 1-11

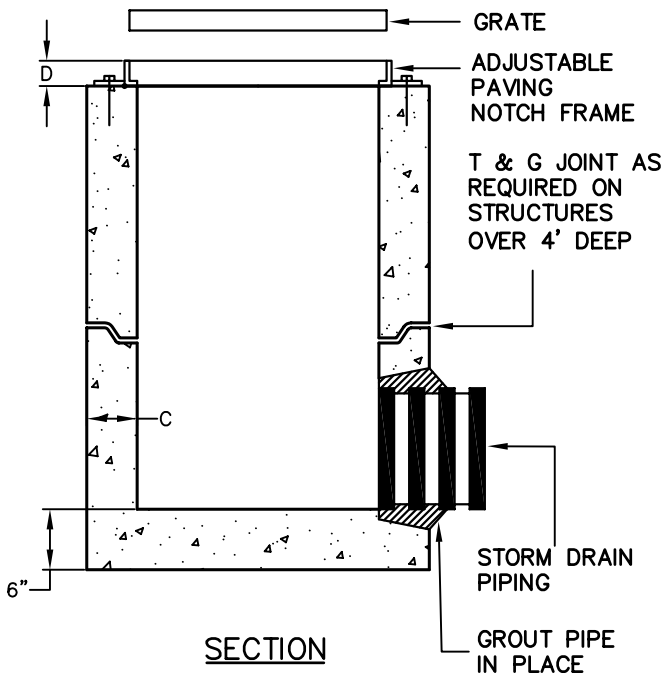


PLAN

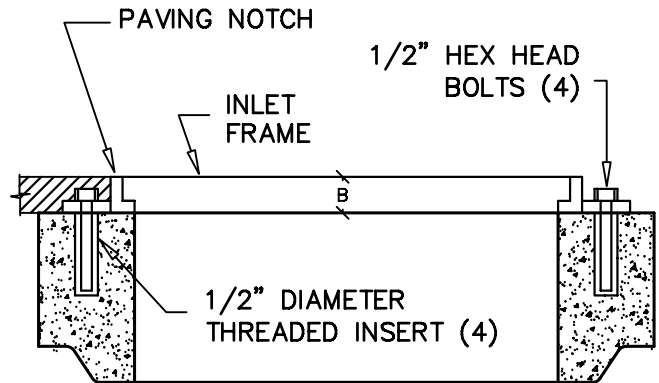
NOTE: FRAME IS ATTACHED TO TOP OF STRUCTURE WITH 4 EACH- 1/2" HEX HEAD BOLTS



ISOMETRIC VIEW

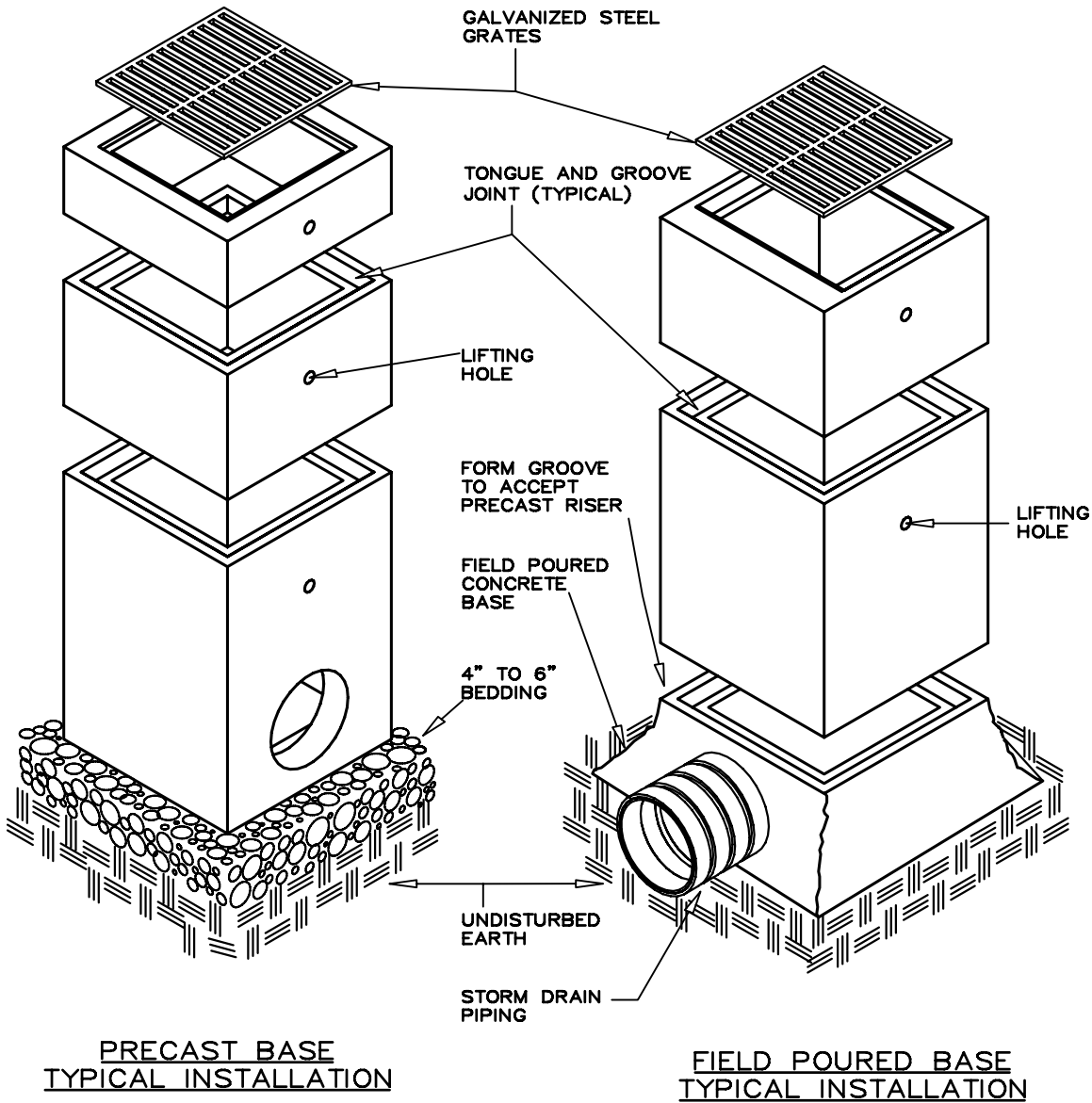


SECTION

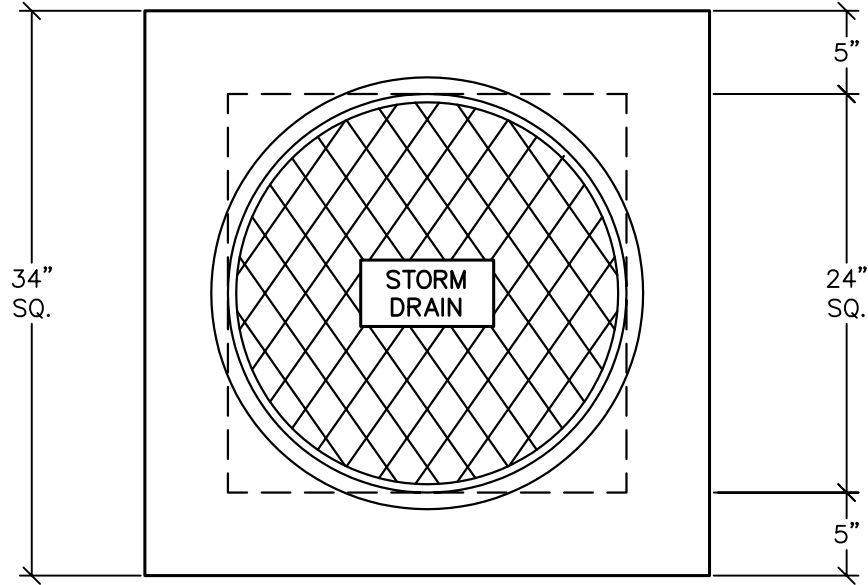


PAVING NOTCH INSTALLATION ALLOWS FOR EASY GRADE ADJUSTMENT.

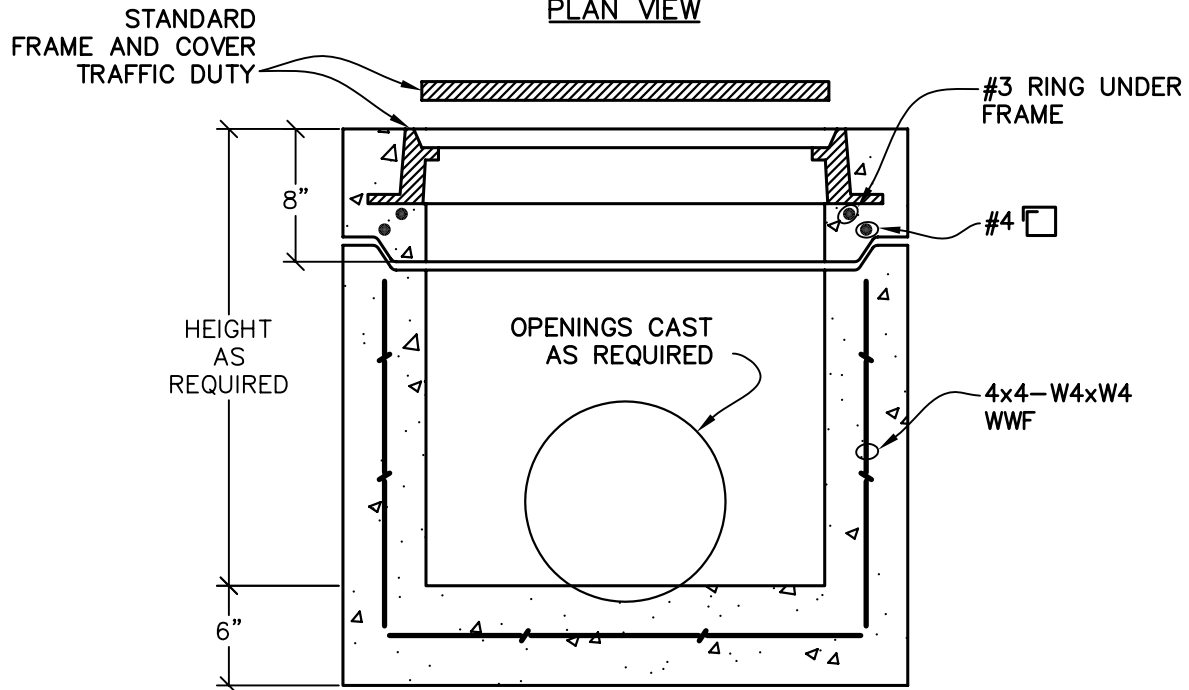
Title: TYPICAL INSTALLATION OF INLETS	Date: 05/15/03	Dwg. No. DI-INST.
	Rev.	Page No. 1-12



Title: 24" SQUARE JUNCTION BOX WITH CAST IRON SOLID COVER	Date: 05/15/03	Dwg. No. 24-1
	Rev.	Page No. 1-13



PLAN VIEW



SECTION VIEW

NOTES :

1. DI'S SIZE CAN BE CHANGED UPON REQUEST.
2. PRECAST UNIT DESIGNED TO BEAR FULL TRAFFIC LOADING.
3. CONCRETE SHALL CONTAIN 6 SACKS OF PORTLAND CEMENT PER CUBIC YARD AND SHALL HAVE COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS.



BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT
COMMISSION OF THE STATE OF CALIFORNIA
1516 NINTH STREET, SACRAMENTO, CA 95814
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APPLICATION FOR CERTIFICATION
FOR THE *CPV VACA STATION*
BY THE *CPV VACAVILLE, L.L.C.*

Docket No. 08-AFC-11

PROOF OF SERVICE
Revised (2/4/2010)

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DECLARATION OF SERVICE

I, Mary Finn, declare that on Wednesday, February 10, 2010, I served and filed copies of the attached Biological Assessment, Biological Assessment for Central Valley Steelhead, Preliminary Jurisdictional Waters Delineation Study, and 404 Permit Application, dated February 10, 2010. The original document, filed with the Docket Unit, is accompanied by a copy of the most recent Proof of Service list, located on the web page for this project at: **[<http://www.energy.ca.gov/sitingcases/vacastation/index.html>]**. The document has been sent to both the other parties in this proceeding (as shown on the Proof of Service list) and to the Commission's Docket Unit, in the following manner:

(Check all that Apply)

For service to all other parties:

sent electronically to all email addresses on the Proof of Service list;

by personal delivery or by depositing in the United States mail at Sacramento, California, with first-class postage thereon fully prepaid and addressed as provided on the Proof of Service list above to those addresses **NOT** marked "email preferred."

AND

For filing with the Energy Commission:

sending an original paper copy and one electronic copy, mailed and emailed respectively, to the address below (preferred method);

OR

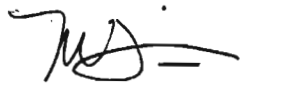
depositing in the mail an original and 12 paper copies, as follows:

CALIFORNIA ENERGY COMMISSION

Attn: Docket No. 08-AFC-11
1516 Ninth Street, MS-4
Sacramento, CA 95814-5512

docket@energy.state.ca.us

I declare under penalty of perjury that the foregoing is true and correct.



Mary Finn