



**US Army Corps
of Engineers**

Vicksburg District
4155 Clay Street
Vicksburg, MS 39183-3435
www.mvk.usace.army.mil



Public Notice

APPLICATION NO.:	RVH-MVK-2013-586
EVALUATOR:	Mr. Randy Holder
PHONE NO.:	(601) 631-5588
FAX NO.:	(601) 631-5459
E-MAIL:	Randy.V.Holder@usace.army.mil
DATE:	April 17, 2014
EXPIRATION DATE:	May 07, 2014

Interested parties are hereby notified that the U.S. Army Corps of Engineers, Vicksburg District, and the Arkansas Department of Environmental Quality, are considering an application for a Department of the Army Permit and State Water Quality Certification for the work described herein. Comments should be forwarded to the Vicksburg District, Attention: CEMVK-OD-F, and the Arkansas Department of Environmental Quality at Post Office Box 8913, Little Rock, Arkansas 72219-8913, and must reach these offices by the cited expiration date.

Law Requiring a Permit: Section 404 of the Clean Water Act (33 U.S.C. 1344) which applies to discharges of dredged or fill material into waters of the United States.

Name of Applicant:
Mr. Chuck Smith
111 Cherry Street
Memphis, Tennessee 38117

Name of Agent:
Mr. Jody Pagan
Five Oaks Wildlife Services
620 East 22nd Street, Suite 206
Stuttgart, Arkansas 72160

Location of Work: Section 3, T4S-R7W, within the Arkansas River drainage basin, Jefferson County, Arkansas.

Description of Work: (See enclosed attachments)

The following descriptions of the proposed project and associated impacts are based upon information provided by the applicant.

The applicant is applying for a Department of the Army permit for the mechanized land clearing and associated discharge of dredged and/or fill material into jurisdictional wetlands for the purpose of creating two green tree reservoirs.

The applicant proposes to develop two green tree reservoirs for waterfowl habitat. The first green tree reservoir would cover approximately 65 acres and require the construction of 2,155 linear feet of levees along the west and east boundaries. The second green tree reservoir would cover approximately 83 acres and would require the construction of 6,755 linear feet of levees on the west, east, and south boundaries. The proposed levees would have 3:1 side slopes with a 60-foot right of way. A water control structure and a pipe drop would be installed along the boundaries of each of the two GTRs to control water depth and release water from the green tree reservoir development site. One of the water control structures would be installed between the two green tree reservoir units to indirectly flood the east unit by delivering water from the west unit during the flooding period.

Flooding of the green tree reservoirs would occur during the dormant season. Flooding would begin on or after November 1st of each season. Wabbaseka Farms has a pumping capacity of approximately 4,000 gallons per minute (gpm). This pumping capacity would flood the green tree reservoirs to full pool in 10 to 20 days. The water level would be maintained at full pool until dewatering begins. Dewatering of the green tree reservoirs would begin on or preceding February 1st of each season. The west unit would have a drawdown rate of 3,268 gpm. This drawdown rate would effectively dewater the west unit in 7 days. The east unit would have a drawdown rate of 5,356 gpm. This drawdown rate would effectively dewater the east unit in 5.25 days. All structures would remain open during the growing season (March-October) to allow normal drainage to occur and avoid long term inundation. The drainage ditches receiving the discharged water provide excellent drainage; therefore, backwater flooding should not be an issue. Water depth within each green tree reservoir would range from 0 to 18 inches with greater than 50% of the area at a minimum of 10 inches. The water level would be maintained at full pool with no water level fluctuation until the drawdown begins.

Approximately 40,440 cubic yards of clay fill material would be used to create the levees. The first reservoir would require approximately 8,940 cubic yards of clay fill material. The second reservoir would require approximately 31,500 cubic yards of clay fill material. Approximately 10.06 acres of forested wetlands would be impacted by the fill material used to construct the proposed levee system.

The soil present on the proposed project site is identified as Perry clay, occasionally flooded. The Perry clay, occasionally flooded, is described as a poorly drained soil on broad flats between the Arkansas River and its levee and along the lower part of the flood plain of Bayou Meto. The NRCS lists the Perry clay, occasionally flooded, as a hydric soil.

The vegetation present on the project site consists of sugarberry, Bitternut Hickory, Willow Oak, and Swamp Maple.

The applicant proposes to mitigate for jurisdictional impacts by utilizing permittee responsible mitigation.

The mechanized land clearing and associated discharge of dredged and/or fill material in jurisdictional wetlands requires a Department of the Army permit.

Upon reviewing this notice, you should write to this office to provide your opinion of the impacts this work will have on the natural and human environment, and address any mitigation you believe is necessary to offset these impacts. Other comments are welcome, but the above information will further our review of the applicant's plan as proposed. Comments of a general nature are not as helpful as those specific to the impacts of the subject project.

State Water Quality Permit: The State Pollution Control Agency must certify that the described work will comply with the State's water quality standards and effluent limitations before a Corps permit is issued.

Cultural Resources: The Regulatory Archaeologist has reviewed the latest published version of the National Register of Historic Places, lists of properties determined eligible, and other sources of information. The following is current knowledge of the presence or absence of historic properties and the effects of the proposed undertaking upon these properties: The permit area is composed of low lying wetlands with no existing or subsided natural levee landforms. An historic properties investigation has been conducted within the permit area. No sites determined eligible for or listed on the National Register of Historic Places are within the permit area. Copies of this public notice have been sent to the State Historic Preservation Officer, Federally Recognized Tribes, and other interested parties for comment on potential effects to historic properties that could result from the proposed activity.

Endangered Species: Our initial finding is that the proposed work would not likely adversely affect any endangered species or their critical habitat. This proposal is being coordinated with the U.S. Fish and Wildlife Service, and any comments regarding endangered species or their critical habitat will be addressed in our evaluation of the described work.

Flood Plain: In accordance with 44 CFR Part 60 (Flood Plain Management and Use), participating communities are required to review all proposed development to determine if a flood plain development permit is required. Flood plain administrators should review the proposed development described in this public notice and apprise this office of any flood plain development permit requirements.

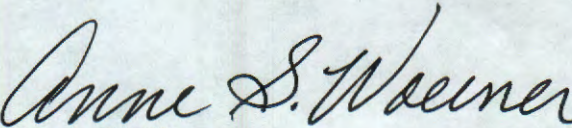
Evaluation Factors: The decision whether or not to issue a permit will be based upon an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which may be expected to accrue from the proposal must be balanced against its expected adverse effects. All factors which may be relevant to the proposal will be considered; among these

are conservation, economics, aesthetics, general environmental concerns, historic values, fish and wildlife values, flood damage prevention, land use classification, navigation, recreation, water supply, water quality, energy needs, safety, food requirements and, in general, the needs and welfare of the people. Evaluation of the proposed activity will include application of the guidelines published by the Environmental Protection Agency under authority of Section 404(b) of the Clean Water Act.

Public Involvement: The purpose of this notice is to solicit comments from the public; Federal, State, and Local agencies and officials; Indian Tribes; and other interested parties. These comments will be used to evaluate the impacts of this project. All comments will be considered and used to help determine whether to issue the permit, deny the permit, or issue the permit with conditions, and to help us determine the amount and type of mitigation necessary. This information will be used in our Environmental Assessment or Impact Statement. Comments are also used to determine the need for a public hearing.

Opportunity for a Public Hearing: Any person may make a written request for a public hearing to consider this permit application. This request must be submitted by the public notice expiration date and must clearly state why a hearing is necessary. Failure of any agency or individual to comment on this notice will be interpreted to mean that there is no objection to the proposed work. Please bring this announcement to the attention of anyone you know who might be interested in this matter.

Notification of Final Permit Actions: Each month, the final permit actions from the preceding month are published on the Vicksburg District Regulatory web page. To access this information, you may follow the link from the Regulatory web page, <http://www.mvk.usace.army.mil/offices/od/odf/main.asp>, or go directly to the Final Permit Actions web page at [http://www.mvk.usace.army.mil/offices/od/odf/PubNotice/Monthly Notice/pnmain.asp](http://www.mvk.usace.army.mil/offices/od/odf/PubNotice/MonthlyNotice/pnmain.asp).


Anne S. Woerner
Chief, Evaluation Section
Regulatory Branch



- Approximately 5.6 Acres, Existing Spoil/Uplands (non-jurisdictional)
- ▨ Approximately 143.2 Acres, Forested Wetlands (jurisdictional)
- ▨ Proposed levee ROW (approximately 10.06 acres of fill within wetlands*) *This total excludes impact to uplands.

Jefferson County, AR

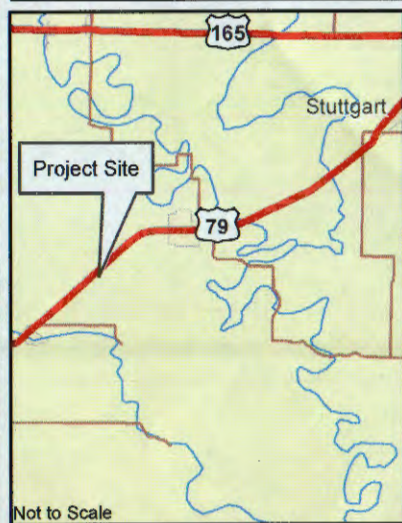


Not to Scale

December 30, 2013
MVK-2013-586

Wabbaseka Farms Green Tree Reservoir
 Development Project (GTR Location Map)
 2013, NAIP Aerial Imagery
 Section 3, T4S-R7W
 Jefferson County, Arkansas

**Preliminary
 Jurisdictional Determination**
 David W. Carraway



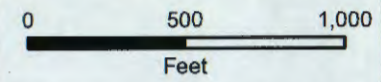
Not to Scale



US Army Corps
 of Engineers.



**Regulatory Branch
 Enforcement Section**





UNIT 1
(65 acres)

UNIT 2
(83 acres)

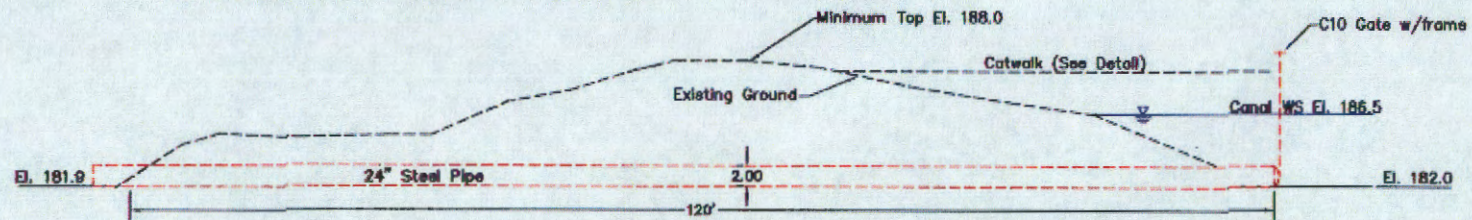
Scenario One

- Existing Spoil (Interrupted)
- Required New Levee Segment
- Potential to build up Turn Row (no south levee segment)
- Existing Spoil (Contiguous)
- Screw Gates With Steel Barrel Riser and Pipe
- Screw Gate with Steel Pipe to Deliver Water from Unit 1 to Unit 2

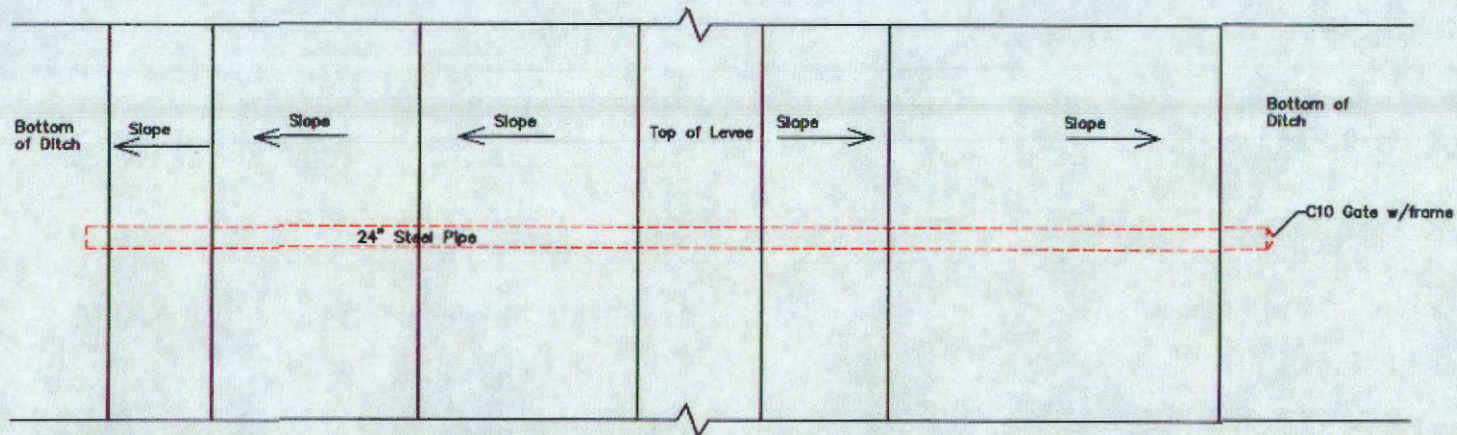
CEMVK-OD-FE RVH-MVK-2013-586

MR. CHUCK SMITH

- Notes:
1. Clear and grub all existing vegetation from the existing embankment work area.
 2. Remove existing pipes, concrete headwalls, gates, and other structures.
 3. Dispose of all debris by burning, burying, or placing in the pool area as directed by the engineer.
 4. All steel will be coated as described in the specifications.



Typical Section



Plan View

Water Control Structure 1

DESIGNED	TLS
CHECKED	TLS
APPROVED	TLS

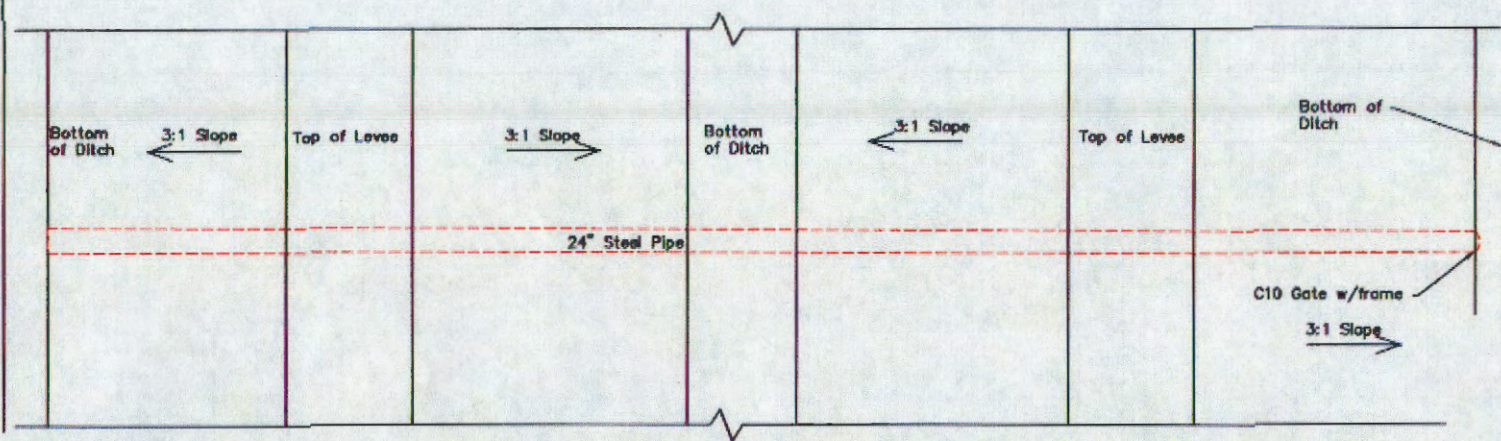
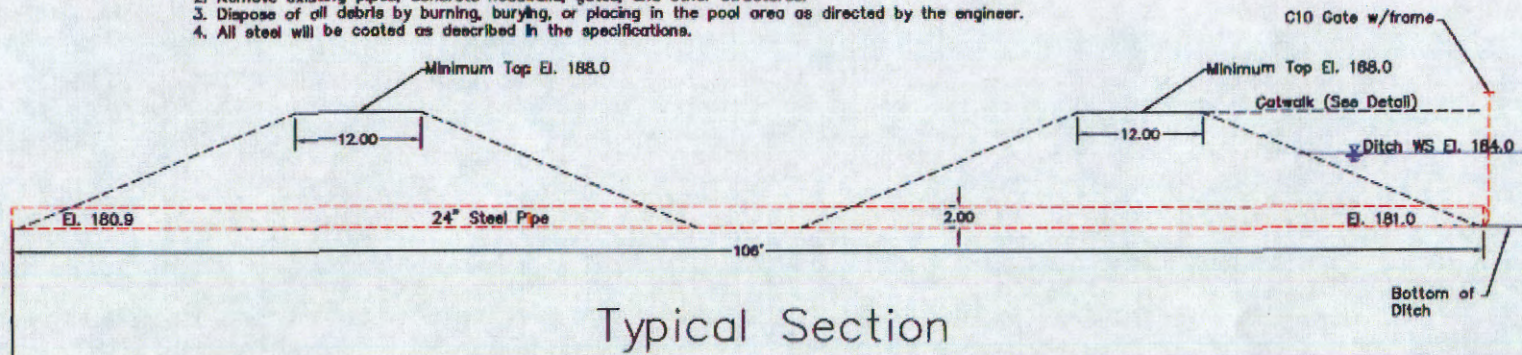
Circle T Hunting Club
Water Management Project
Jefferson County, Arkansas

Tony L. Stevenson, PE
Registration No. 5950
501-680-7886

File No. 1000
Drawing No. 1
Sheet 2 of 6

CEMVK-OD-FE RVH-MVK-2013-586
MR. CHUCK SMITH

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Typical Section

Plan View

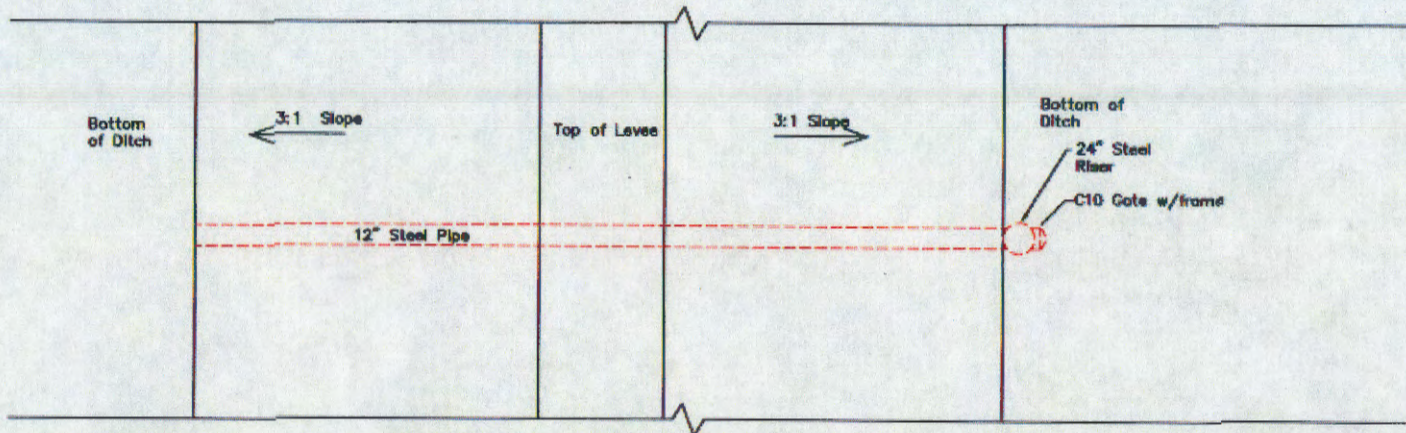
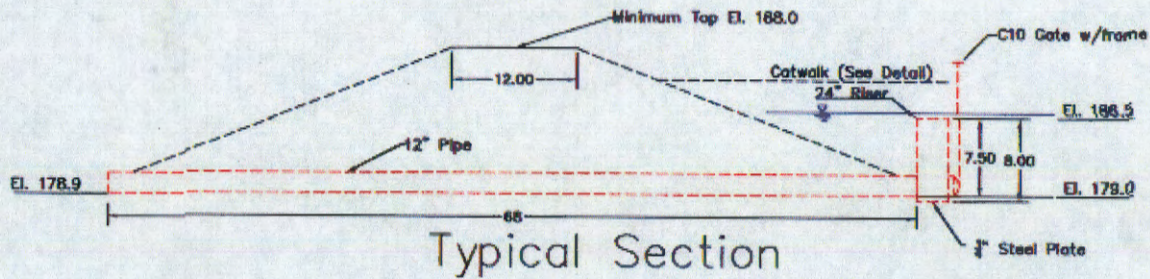
Water Control Structure 2

Circle T Hunting Club
 Water Management Project
 Jefferson County, Arkansas
 Tony L. Stevenson, PE
 Registration No. 5950
 501-680-7888
 1000
 1
 3 - 6

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Rev	By	App'd	Date
1	TLS	TLS	
2	MBA/M	MBA/M	
3	MBA/M	MBA/M	
4	MBA/M	MBA/M	
5	MBA/M	MBA/M	

Circle T Hunting Club
Water Management Project
Jefferson County, Arkansas

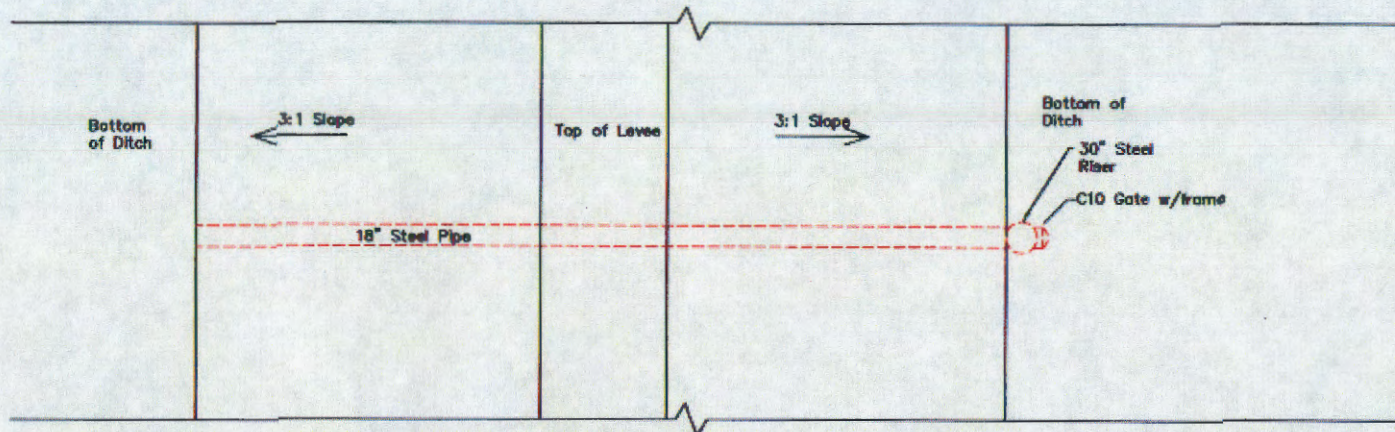
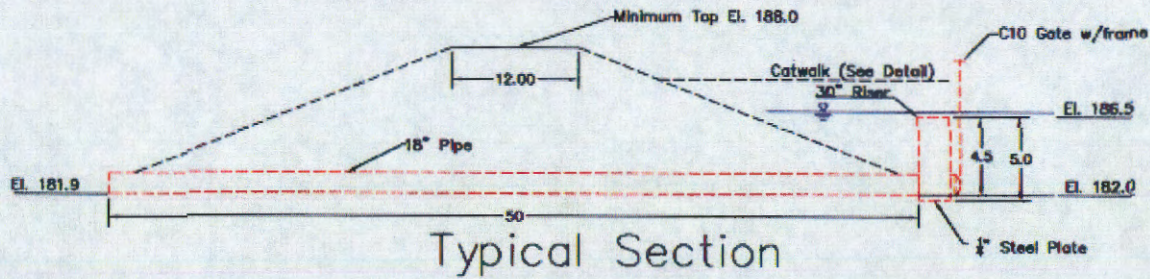
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Scale	Drawn	Checked	Approved
TLS	TLS	TLS	TLS
4/8/04	4/8/04	4/8/04	4/8/04

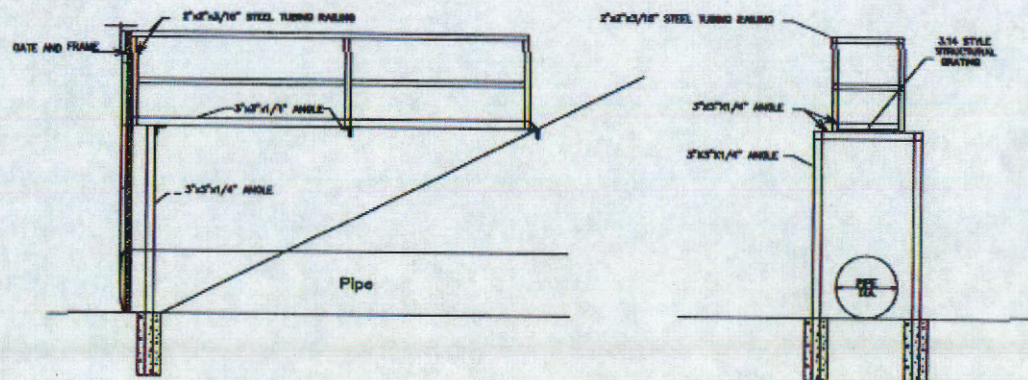
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1
Sheet 5 of 6

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- NOTES:
1. ALL SUPPORT COLLARS ARE TO BE GALVANIZED OR COATED.
 2. ALL CONNECTIONS WILL BE WELDED CONTINUOUSLY ALONG THE MEMBER.
 3. ALL STEEL TUBING WILL BE CAPPED AT THE ENDS.
 4. ALL STRUCTURAL STEEL WILL BE PRIMED AND PAINTED ACCORDING TO THE SPECIFICATIONS.
 5. THE STRUCTURAL GRATING WILL BE WELDED ON 6" CENTERS ALONG ALL EDGES.
 6. THE GATE FRAME WILL BE SPOT WELDED TO THE CATWALK STRUCTURE AS DIRECTED BY THE ENGINEER.
 7. ALL DAMAGE TO PRIMER, PAINT AND GALVANIZING DUE TO FABRICATION AND/OR WELDING WILL BE RECOATED ACCORDING TO THE SPECIFICATIONS.

CEMVK-OD-FE RVH-MVK-2013-586

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Catwalk Detail

Scale	1/8" = 1'
Designer	TLS
Drawn	TLS
Checked	TLS
Approved	TLS

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Sheet	6 of 6