

Design - Microsoft Outlook

File Edit View Go Tools Actions Help

Reply Reply to All Forward Send/Receive Find Type a contact to find

Back Messages

Sensitive

**Mail**

Favorite Folders

- Inbox (6)
- Unread Mail
- For Follow Up
- Sent Items

All Mail Folders

- Excluded from Archive
- Search Folders
- Burner Replacements
- Condensate Storage backup
- Cooling Towers
- Experience Reviews
- General Information - forms
- JOF Fuel Switch - FGC
- JOF455 (Long Range Ash Disposal)
- KIF FGD
- KIF PRB Fuel Switch
- KIF Projects
- KIF Projects - Ash
- Deleted Items
- KIF450 (Gypsum)
- KIF530 (Develop Flyash, Gypsum, and bottom ash)
  - Budget
  - Design
  - Environmental
  - Meeting Agendas and Notes
  - Meetings
  - Parsons
  - Peer Review
  - Read up Reports

**Design**

Arranged By: Date Newest on top

Older *25 files*

Clayton, Jeannie L. 01/04/2006  
KIF DCN KIF-05-1090-R0 (CLOSED) for Unit 1-9 (P...  
DCN IS CLOSED. Applicable ANTICIPATED drawings for DCN have been issued & should upload to FileNet within 24 hours. DCN notification is distributed to DCN

Ferris, Brooke J 12/20/2005  
KIF DCN KIF-05-1090-R0, PIC KIF-05-1099 (CLOSE...  
PIC IS CLOSED. Applicable DCA's for DCN have been issued & should upload to FileNet within 24 hours. DCN notification is distributed to DCN originator & other

Haber, Stanley M. 11/04/2005  
KIF530: Progress Report and Work Completion State...  
Hey Guys,  
Can I get a copy of the signed work completion statement for the dike repair project for my files?

Radford, Larry D. 06/03/2005  
FW: KIF Composite Geonet Specification  
WE WILL CHECK IF THIS WILL CAUSE A PRICE INCREASE  
BRAD RUN THIS DOWN

Ferris, Brooke J 05/31/2005  
KIF DCN KIF-05-1090-R0 For Unit 1-9 (PCN KIF530A)  
Applicable DCA's issued for DCN have been issued & should upload to FileNet within 24 hours. DCN notification is distributed to DCN originator & other

Petty, Harold L. 05/27/2005  
RE: KIF DETENTION POND UNID'S  
Dan:  
Mark sent me the UNID's this afternoon. I inserted the sheet and carried the DCN downstairs just a minute ago.

Radford, Larry D. 05/19/2005  
FW: cover for KIF dredge cell restoration  
fw

**KIF DCN KIF-05-1090-R0 (CLOSED) for Unit 1-9 (PCN KIF530)**

Clayton, Jeannie L

To: Smith, Daniel R.; Haber, Stanley M.; Petty, Harold L.; Poston, James M.

Cc: Smith, H. Michael; Haber, Stanley M.; Rehberg, Robert L.; Holmes, James B.; Calloway, W. Randy;

Attachments: DCN Cover Sheet Data.html (4 KB)

DCN IS CLOSED. Applicable ANTICIPATED drawings for DCN have been issued & should upload to FileNet within 24 hours. DCN notification is distributed to DCN originator & other personnel. Cascade within your org as needed.

25 Items

Design - Microsoft Outlook

File Edit View Go Tools Actions Help

New Reply Reply to All Forward Send/Receive Find Type a contact to find

Back Messages

Sensitive

**Mail**

Favorite Folders

- Inbox (6)
- Unread Mail
- For Follow Up
- Sent Items

All Mail Folders

- Excluded from Archive
- Search Folders
- Burner Replacements
- Condensate Storage backup
- Cooling Towers
- Experience Reviews
- General Information - forms
- JOF Fuel Switch - FGC
- JOF455 (Long Range Ash Disposal)
- KIF FGD
- KIF PRB Fuel Switch
- KIF Projects
- KIF Projects - Ash
- Deleted Items
- KIF450 (Gypsum)
- KIF530 (Develop Flyash, Gypsum, and bottom ash)
  - Budget
  - Design
  - Environmental
  - Meeting Agendas and Notes
  - Meetings
  - Parsons
  - Peer Review
  - Read up Documents

25 Items

**Design**

Arranged By: Date Newest on top

Radford, Larry D. 05/19/2005  
FW: cover for KIF dredge cell restoration  
fyi  
-----Original Message-----  
From: Smith, Daniel R. (Chattanooga)

Radford, Larry D. 05/19/2005  
FW: cover for KIF dredge cell restoration  
fyi  
-----Original Message-----  
From: Smith, Daniel R. (Chattanooga)

Hedgecoth, Melissa A. 05/19/2005  
KIF Dredge Cell Repair  
Ron, Steve gave me his copy of the drawings for the KIF dredge cell repair and asked me to review and comment by Tuesday. I reviewed them and told him I was fine on

Blankenship, John (Chattanooga) 05/13/2005  
KIF DCA TAO-0201 75% Review  
Per 75% Review:  
DCA 75% Review for TAO-0201 Kingston scheduled for 5/25.

Haber, Stanley M. 05/12/2005  
RE: KIF530 (French Drain): Drawings for 100% Desig...  
John and Dan,  
I would suggest that the following people be sent copies of the drawings that we will discuss on 5/25:

Smith, Daniel R (Chattanooga) 05/12/2005  
RE: KIF530 (French Drain): Drawings for 100% Desig...  
We had planned on sending out a set for review in advance of the 50-100% design review now scheduled for 5/25. I will have PDF copies made and emailed to

Haber, Stanley M. 05/12/2005  
KIF530 (French Drain): Drawings for 100% Design Re...  
Mike,  
Ron and I have discussed the need for providing a copy of the drawings that will be discussed on 5/25 to Steve

**FW: cover for KIF dredge cell restoration**  
Radford, Larry D.

To: Haber, Stanley M.

fyi

-----Original Message-----

**From:** Smith, Daniel R (Chattanooga)  
[mailto:Daniel.R.Smith@worleyparsons.com]


**Sent:** Thursday, May 19, 2005 10:05 AM

**To:** Smith, Daniel R (Chattanooga); Radford, Larry D.; Workman, Brad

**Cc:** Hughes, Michael; Petty, Harold L.

**Subject:** RE: cover for KIF dredge cell restoration

Here is one more change. We are still in the process of checking these drawings. I want to lower the drain at the toe 2 ft. This will add 1000 tons of #57 stone as well. Please see attached sketch, and call me if you have any questions.

  
10W425-91A.PDF  
(188 KB)

-----Original Message-----

**From:** Smith, Daniel R (Chattanooga)

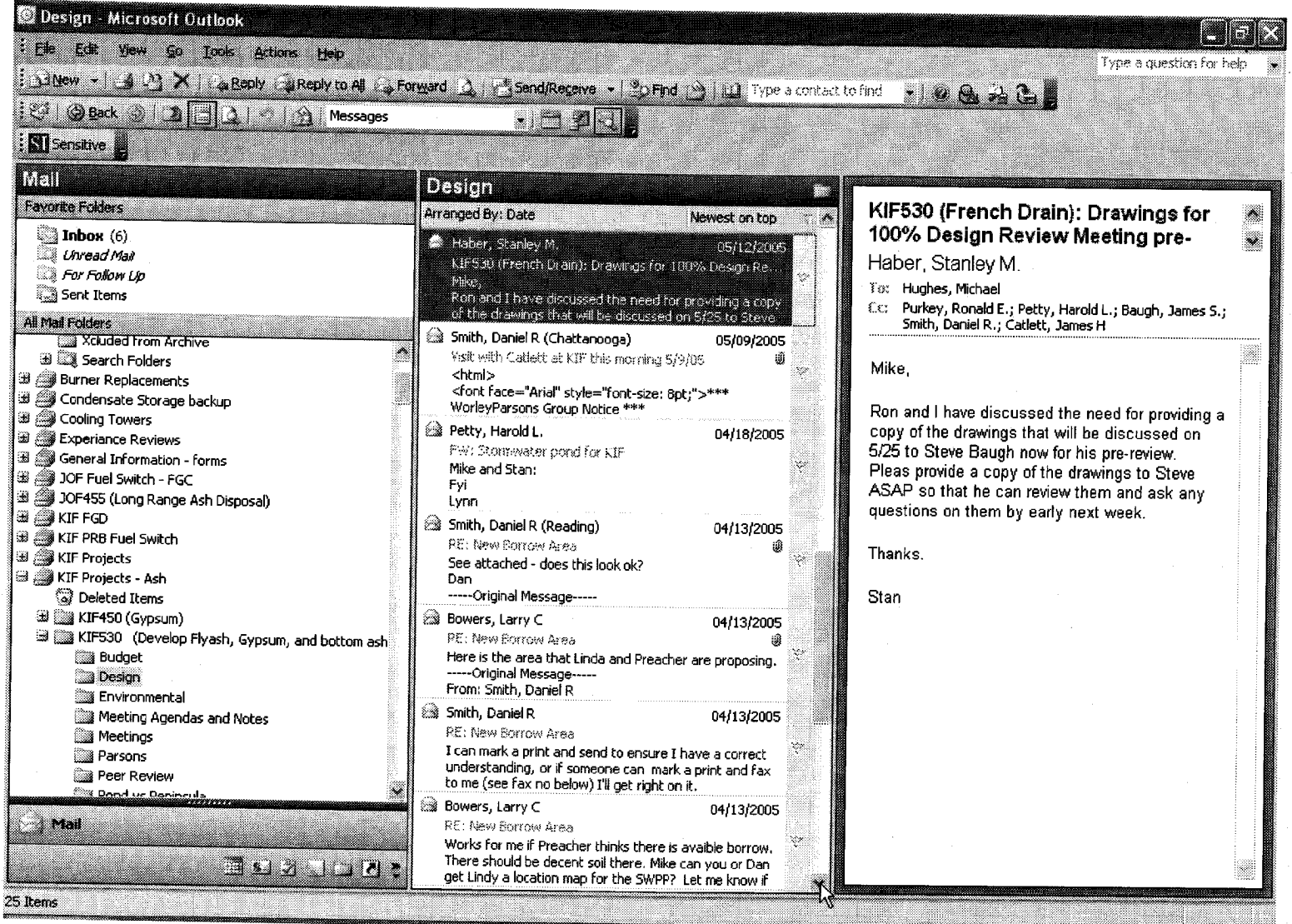
**Sent:** Wednesday, May 18, 2005 10:25 PM

**To:** Radford, Larry; Workman, Brad

**Cc:** Hughes, Mike; Petty, H. L.

**Subject:** cover for KIF dredge cell restoration

Larry/Brad - I've done some thinking about the



25 Items

### KIF530 (French Drain): Drawings for 100% Design Review Meeting pre-Haber, Stanley M.

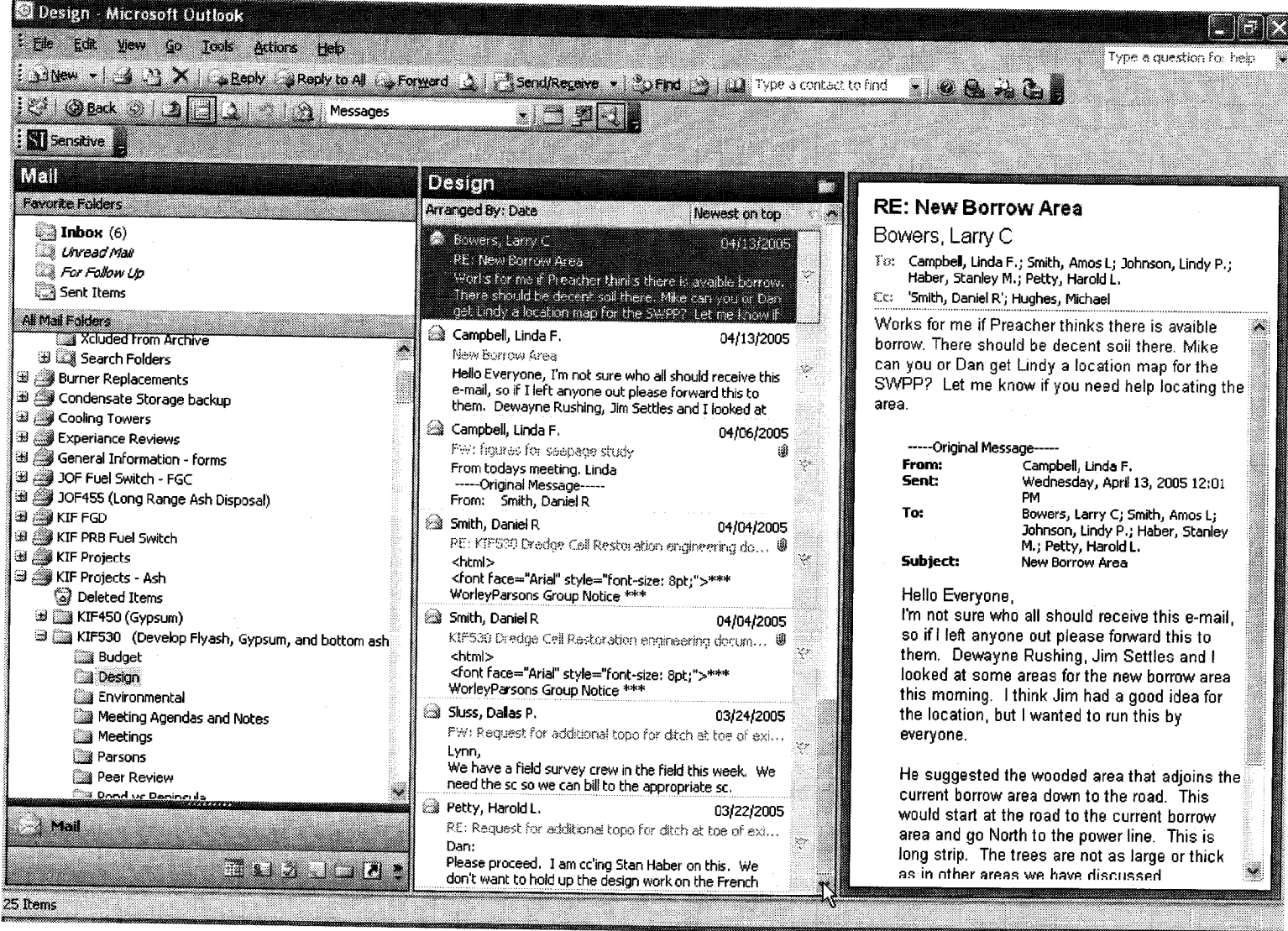
To: Hughes, Michael  
Cc: Purkey, Ronald E.; Petty, Harold L.; Baugh, James S.; Smith, Daniel R.; Catlett, James H

Mike,  
  
Ron and I have discussed the need for providing a copy of the drawings that will be discussed on 5/25 to Steve Baugh now for his pre-review. Pleas provide a copy of the drawings to Steve ASAP so that he can review them and ask any questions on them by early next week.

Thanks.

Stan

- Arranged By: Date      Newest on top
- Haber, Stanley M.      05/12/2005  
KIF530 (French Drain): Drawings for 100% Design Re...  
Mike  
Ron and I have discussed the need for providing a copy of the drawings that will be discussed on 5/25 to Steve
  - Smith, Daniel R (Chattanooga)      05/09/2005  
Visit with Catlett at KIF this morning 5/9/05  
<html>  
<font face="Arial" style="font-size: 8pt;">\*\*\*\*  
WorleyParsons Group Notice \*\*\*\*
  - Petty, Harold L.      04/18/2005  
FW: Stormwater pond for KIF  
Mike and Stan:  
Fyi  
Lynn
  - Smith, Daniel R (Reading)      04/13/2005  
RE: New Borrow Area  
See attached - does this look ok?  
Dan  
-----Original Message-----
  - Bowers, Larry C      04/13/2005  
RE: New Borrow Area  
Here is the area that Linda and Preacher are proposing.  
-----Original Message-----  
From: Smith, Daniel R
  - Smith, Daniel R      04/13/2005  
RE: New Borrow Area  
I can mark a print and send to ensure I have a correct understanding, or if someone can mark a print and fax to me (see fax no below) I'll get right on it.
  - Bowers, Larry C      04/13/2005  
RE: New Borrow Area  
Works for me if Preacher thinks there is avaiable borrow. There should be decent soil there. Mike can you or Dan get Lindy a location map for the SWPPP? Let me know if



**RE: New Borrow Area**

Bowers, Larry C

To: Campbell, Linda F.; Smith, Amos L; Johnson, Lindy P.; Haber, Stanley M.; Petty, Harold L.  
Cc: 'Smith, Daniel R'; Hughes, Michael

Works for me if Preacher thinks there is available borrow. There should be decent soil there. Mike can you or Dan get Lindy a location map for the SWPPP? Let me know if the area.

-----Original Message-----

**From:** Campbell, Linda F.  
**Sent:** Wednesday, April 13, 2005 12:01 PM  
**To:** Bowers, Larry C; Smith, Amos L; Johnson, Lindy P.; Haber, Stanley M.; Petty, Harold L.  
**Subject:** New Borrow Area

Hello Everyone,  
I'm not sure who all should receive this e-mail, so if I left anyone out please forward this to them. Dewayne Rushing, Jim Settles and I looked at some areas for the new borrow area this morning. I think Jim had a good idea for the location, but I wanted to run this by everyone.

He suggested the wooded area that adjoins the current borrow area down to the road. This would start at the road to the current borrow area and go North to the power line. This is long strip. The trees are not as large or thick as in other areas we have discussed

## Haber, Stanley M

---

**From:** Clayton, Jeannie L  
**Sent:** Wednesday, January 04, 2006 9:59 AM  
**To:** Smith, Daniel R.; Haber, Stanley M.; Petty, Harold L.; Poston, James M.  
**Cc:** Smith, H. Michael; Haber, Stanley M.; Rehberg, Robert L.; Holmes, James B.; Calloway, W. Randy; Zachary, Stan; Miller, Raymond D.; Thompson, Roy; Morgan, Melissa B.  
**Subject:** KIF DCN KIF-05-1090-R0 (CLOSED) for Unit 1-9 (PCN KIF530)  
**Attachments:** DCN Cover Sheet Data.html



DCN Cover Sheet  
Data.html (4 K...

DCN IS CLOSED. Applicable ANTICIPATED drawings for DCN have been issued & should upload to FileNet within 24 hours. DCN notification is distributed to DCN originator & other personnel. Cascade within your org as needed.

## ***DCN Cover Sheet Data***

***DCN*** KIF-05-1090-R0 (CLOSED)

***Unit(s)*** 1.9

***PWD*** KIF530

***Description*** Problem Statement: The existing ash dike for the dredge cell requires restoration in order to place the dredge cell back into production. New drains will be installed on the dike, including a regraded ditch and riprap lining, installation of geocomposite drainage layer, and a pond with a lift station for routing seepage to the ash pond.

---

Action / Scope: Provide design drawings and details for implementing construction of the restoration of the dredge cell dikes.

**Haber, Stanley M**

---

**From:** Ferris, Brooke J  
**Sent:** Tuesday, December 20, 2005 9:49 AM  
**To:** Hughes, Michael; Poston, James M.  
**Cc:** Smith, H. Michael; Haber, Stanley M.; Rehberg, Robert L.; Holmes, James B.; Calloway, W. Randy; Zachary, Stan; Miller, Raymond D.; Thompson, Roy; Morgan, Melissa B.  
**Subject:** KIF DCN KIF-05-1090-R0,PIC-KIF-05-1099 (CLOSED) for Unit 1-9 (PCN KIF530)  
**Attachments:** DCN Cover Sheet Data.html



DCN Cover Sheet  
Data.html (7 K...

PIC IS CLOSED. Applicable DCA's for DCN have been issued & should upload to FileNet within 24 hours. DCN notification is distributed to DCN originator & other personnel. Cascade within your org as needed.

## ***DCN Cover Sheet Data***

***DCN*** KIF-05-1090-R0,PIC-KIF-05-1099 (CLOSED)

***Unit(s)*** 1-9

***PWD*** KIF530

***Description*** Problem Statement: Due to unanticipated design and construction issues, design changes within the PIC criteria is anticipated to track configuration control of the plant. This PIC is initiated as a mechanism for releasing the changes.

---

Action / Scope: The changes included in this DCN involve various field and design changes. See individual AA's for field changes.



**Haber, Stanley M**

---

**From:** Haber, Stanley M.  
**Sent:** Friday, November 04, 2005 9:24 AM  
**To:** Settles, James T; Hughes, Michael  
**Subject:** KIF530: Progress Report and Work Completion Statement

Hey Guys,

Can I get a copy of the signed work completion statement for the dike repair project for my files?

Thanks.

Stan

-----Original Message-----

**From:** Settles, James T  
**Sent:** Monday, October 31, 2005 2:35 PM  
**To:** Stewart, David W.; Blaylock, Tim; Campbell, Linda F.; Catlett, James H; Deskins, Earl L; Haber, Stanley M.; Lowery, Kenny R.  
**Cc:** Lankford, Brian S.; Jones, Sonja R.  
**Subject:** Progress Report

10/31/05  
I met with Ken Inmon

1. Dike Repair project: This project was completed 10/27/05.
2. Ash Handling : Hauling clay to phase 2 slope, we have some areas that need dressing up before we seed them.
3. No accidents or injuries reported.
4. zero rainfall 10/27/05 thru 10/31/05

*James T. Settles*

Kingston Fossil Plant  
Heavy Equipment Division

(865) 717-2054

03/14/2009

TVA-00027188

**Haber, Stanley M**

---

**From:** Jones, Sonja R. on behalf of Radford, Larry D.  
**Sent:** Friday, June 03, 2005 10:26 AM  
**To:** Haber, Stanley M.  
**Cc:** Stewart, David W.; Workman, Brad  
**Subject:** FW: KIF Composite Geonet Specification

WE WILL CHECK IF THIS WILL CAUSE A PRICE INCREASE

BRAD RUN THIS DOWN

-----Original Message-----

**From:** Smith, Daniel R (Chattanooga) [<mailto:Daniel.R.Smith@worleyparsons.com>]  
**Sent:** Friday, June 03, 2005 10:13 AM  
**To:** Lowery, Kenny R.  
**Cc:** Petty, Harold L.; Hughes, Michael; Radford, Larry D.  
**Subject:** KIF Composite Geonet Specification

We issued a specificaiton in the DCN for installation of the composite geonet. Yesterday it dawned on me that this specification needs to be modified for the location where we are putting it. There were notes in the permit drawings that detailed changes to the geonet between the ditch and 783. The specification did not reflect this.

Lynn/Mike, what we need to require is a calendared geotextile on the BOTTOM geotextile, and a non-woven on top. I am in the process of revising the spec to include a calendared geotextile on the bottom (AOS of 100).

I will send this out as a PIC to the DCN (hopefully later today), to be combined with some information that surveying needs.

thanks

**Please note my new email address: [Daniel.R.Smith@worleyparsons.com](mailto:Daniel.R.Smith@worleyparsons.com)**

Daniel R. (Dan) Smith, P.E.

Parsons E & C

633 Chestnut St, Suite 400

Chattanooga, TN 37932

Phone: (423) 757-8088

Fax: (423) 266-0922

Cell: (423) 364-1679

Email: [Daniel.R.Smith@worleyparsons.com](mailto:Daniel.R.Smith@worleyparsons.com)

**Haber, Stanley M**

---

**From:** Ferris, Brooke J  
**Sent:** Tuesday, May 31, 2005 2:29 PM  
**To:** Smith, Daniel R.  
**Cc:** Smith, H. Michael; Haber, Stanley M.; Rehberg, Robert L.; Holmes, James B.; Price, Dan; Calloway, W. Randy; Zachary, Stan; Miller, Raymond D.; Thompson, Roy; Morgan, Melissa B.  
**Subject:** KIF DCN KIF-05-1090-R0 for Unit 1-9 (PCN KIF530A)

Applicable DCA's issued for DCN have been issued & should upload to FileNet within 24 hours. DCN notification is distributed to DCN originator & other personnel. Cascade within your org as needed.

**Haber, Stanley M**

---

**From:** Petty, Harold L.  
**Sent:** Friday, May 27, 2005 2:18 PM  
**To:** Smith, Daniel R.; 'Smith, Daniel R (Chattanooga)'  
**Cc:** Fegley, Mark A.; Hughes, Michael; Purkey, Ronald E.; Haber, Stanley M.  
**Subject:** RE: KIF DETENTION POND UNID'S

Dan:

Mark sent me the UNID's this afternoon. I inserted the sheet and carried the DCN downstairs just a minute ago.

Thanks for your work on this!

and thanks again to Mark too!

Lynn

-----Original Message-----

**From:** Fegley, Mark A.  
**Sent:** Friday, May 27, 2005 1:56 PM  
**To:** Petty, Harold L.  
**Subject:** KIF DETENTION POND UNID'S

The descriptions changed a little but the unid's have been entered into empac.

## Haber, Stanley M

---

**From:** Radford, Larry D.  
**Sent:** Thursday, May 19, 2005 3:03 PM  
**To:** Haber, Stanley M.  
**Subject:** FW: cover for KIF dredge cell restoration

**Attachments:** 10W425-91A.PDF

fyi

-----Original Message-----

**From:** Smith, Daniel R (Chattanooga) [<mailto:Daniel.R.Smith@worleyparsons.com>]  
**Sent:** Thursday, May 19, 2005 10:05 AM  
**To:** Smith, Daniel R (Chattanooga); Radford, Larry D.; Workman, Brad  
**Cc:** Hughes, Michael; Petty, Harold L.  
**Subject:** RE: cover for KIF dredge cell restoration

Here is one more change. We are still in the process of checking these drawings. I want to lower the drain at the toe 2 ft. This will add 1000 tons of #57 stone as well. Please see attached sketch, and call me if you have any questions.



10W425-91A.PDF  
(188 KB)

-----Original Message-----

**From:** Smith, Daniel R (Chattanooga)  
**Sent:** Wednesday, May 18, 2005 10:25 PM  
**To:** 'Radford, Larry'; 'Workman, Brad'  
**Cc:** 'Hughes, Mike'; 'Petty, H. L.'  
**Subject:** cover for KIF dredge cell restoration

Larry/Brad - I've done some thinking about the cover between the toe of the ditch and el 775 (first bench). The quantities indicate that we will strip one foot of soil, place composite geonet, and place one foot of soil. This is reflected in the quantities.

However, it might be better if we placed the final compacted clay cover from the toe to the first bench. The reason is that later on, the soil layer (one foot) would have to have an additional 1 foot layer of soil (the low permeable soil at 1 E-6 cm/s) and another layer of soil (vegetative cover). OR, the 1 ft layer of soil cover would have to be removed (difficult to do with the composite geonet below).

My recommendation would be to place the composite geonet, low perm layer (1 ft thick), then the vegetative layer for the area between the toe and first bench. That way, that area has final cover and is done.

I will discuss with Mike/Lynn.

You might want to add an contingency of additional 10,000 bcy of soil (see line item 4.003 in the QTO spreadsheet).

Call me if you have any questions.

I am working up testing requirements for soil (will send to you and Mike Hughes).

Please note my new email address: [Daniel.R.Smith@worleyparsons.com](mailto:Daniel.R.Smith@worleyparsons.com)

Daniel R. (Dan) Smith, P.E.

Parsons E & C Phone: (423) 757-8088

633 Chestnut St, Suite 400 Fax: (423) 266-0922

Chattanooga, TN 37932 Cell: (423) 364-1679

Email: [Daniel.R.Smith@worleyparsons.com](mailto:Daniel.R.Smith@worleyparsons.com)



## Haber, Stanley M

---

**From:** Radford, Larry D.  
**Sent:** Thursday, May 19, 2005 3:03 PM  
**To:** Haber, Stanley M.  
**Subject:** FW: cover for KIF dredge cell restoration

**Attachments:** cover for KIF dredge cell restoration



cover for KIF  
dredge cell rest...

fyi

-----Original Message-----

From: Smith, Daniel R (Chattanooga) [mailto:Daniel.R.Smith@worleyparsons.com]  
Sent: Wednesday, May 18, 2005 10:25 PM  
To: Radford, Larry D.; Workman, Brad  
Cc: Hughes, Michael; Petty, Harold L.  
Subject: cover for KIF dredge cell restoration

<html>

<font face="Arial" style="font-size: 8pt;">\*\*\* WorleyParsons Group Notice \*\*\*

"This email is confidential. If you are not the intended recipient, you must not disclose or use the information contained in it. If you have received this email in error, please notify us immediately by return email and delete the email and any attachments. Any personal views/ opinions expressed by the writer may not necessarily reflect the views/ opinions of the company."

</font>

</html>

**Haber, Stanley M**

---

**From:** Smith, Daniel R (Chattanooga) [Daniel.R.Smith@worleyparsons.com]  
**Sent:** Wednesday, May 18, 2005 10:25 PM  
**To:** Radford, Larry D.; Workman, Brad  
**Cc:** Hughes, Michael; Petty, Harold L.  
**Subject:** cover for KIF dredge cell restoration

Larry/Brad - I've done some thinking about the cover between the toe of the ditch and el 775 (first bench). The quantities indicate that we will strip one foot of soil, place composite geonet, and place one foot of soil. This is reflected in the quantities.

However, it might be better if we placed the final compacted clay cover from the toe to the first bench. The reason is that later on, the soil layer (one foot) would have to have an additional 1 foot layer of soil (the low permeable soil at 1 E-6 cm/s) and another layer of soil (vegetative cover). OR, the 1 ft layer of soil cover would have to be removed (difficult to do with the composite geonet below).

My recommendation would be to place the composite geonet, low perm layer (1 ft thick), then the vegetative layer for the area between the toe and first bench. That way, that area has final cover and is done.

I will discuss with Mike/Lynn.

You might want to add an contingency of additional 10,000 bcy of soil (see line item 4.003 in the QTO spreadsheet).

Call me if you have any questions.

I am working up testing requirements for soil (will send to you and Mike Hughes).

**Please note my new email address: Daniel.R.Smith@worleyparsons.com**

Daniel R. (Dan) Smith, P.E.

Parsons E & C

Phone: (423) 757-8088

633 Chestnut St, Suite 400

Fax: (423) 266-0922

Chattanooga, TN 37932

Cell: (423) 364-1679

Email: Daniel.R.Smith@worleyparsons.com



**Haber, Stanley M**

---

**From:** Hedgecoth, Melissa A.  
**Sent:** Thursday, May 19, 2005 12:09 PM  
**To:** Purkey, Ronald E.  
**Cc:** Petty, Harold L.; Baugh, James S.; Haber, Stanley M.  
**Subject:** KIF Dredge Cell Repair

Ron,

Steve gave me his copy of the drawings for the KIF dredge cell repair and asked me to review and comment by Tuesday. I reviewed them and told him I was fine on Tuesday. I just noticed that the drawings specify to backfill the French drain ditches with "1081 crushed stone." We currently use "3/4" washed stone" on the other French drains. Just wanted to pass this on and let you know that you might want to consider washed stone instead.

Also, Steve called me a while ago and told me to send you an e-mail and remind you to get a set of the drawings to the plant to review prior to the meeting. He said to send a copy to Linda Campbell, Harold Catlett and Earl Deskins by no later than tomorrow.

Thanks,  
Missy

03/14/2009

TVA-00027196

**Haber, Stanley M**

---

**From:** Blankenship, John (Chattanooga) [John.Blankenship@worleyparsons.com]  
**Sent:** Friday, May 13, 2005 1:24 PM  
**To:** Radford, Larry D.; Knox, Robert; Lowery, Kenny R.; Catlett, James H; Rushing, F. Dewayne; Settles, James T; Deskins, Earl L; Rehberg, Robert L.; Campbell, Linda F.; Johnson, Lindy P.; Keller, Darlene; Hedgecoth, Melissa A.; Baugh, James S.; Lankford, Brian S.; Haber, Stanley M.; Poston, James M.; Hughes, Michael; Petty, Harold L.; Purkey, Ronald E.  
**Cc:** Smith, Daniel R (Chattanooga)  
**Subject:** KIF DCA TAO-0201 75% Review  
**Attachments:** KIF DCA TAO-0201 75% Review.zip

**Per 75% Review:**

**DCA 75% Review for TAO-0201 Kingston scheduled for 5/25.**

JOHN BLANKENSHIP, SENIOR CIVIL DESIGNER

***WorleyParsons***

633 CHESTNUT ST, SUITE 400  
CHATTANOOGA, TN 3750-0400  
(423) 757-8020 EXT 347  
(423) 757-9947 DIRECT LINE  
(423) 266-0922 FAX

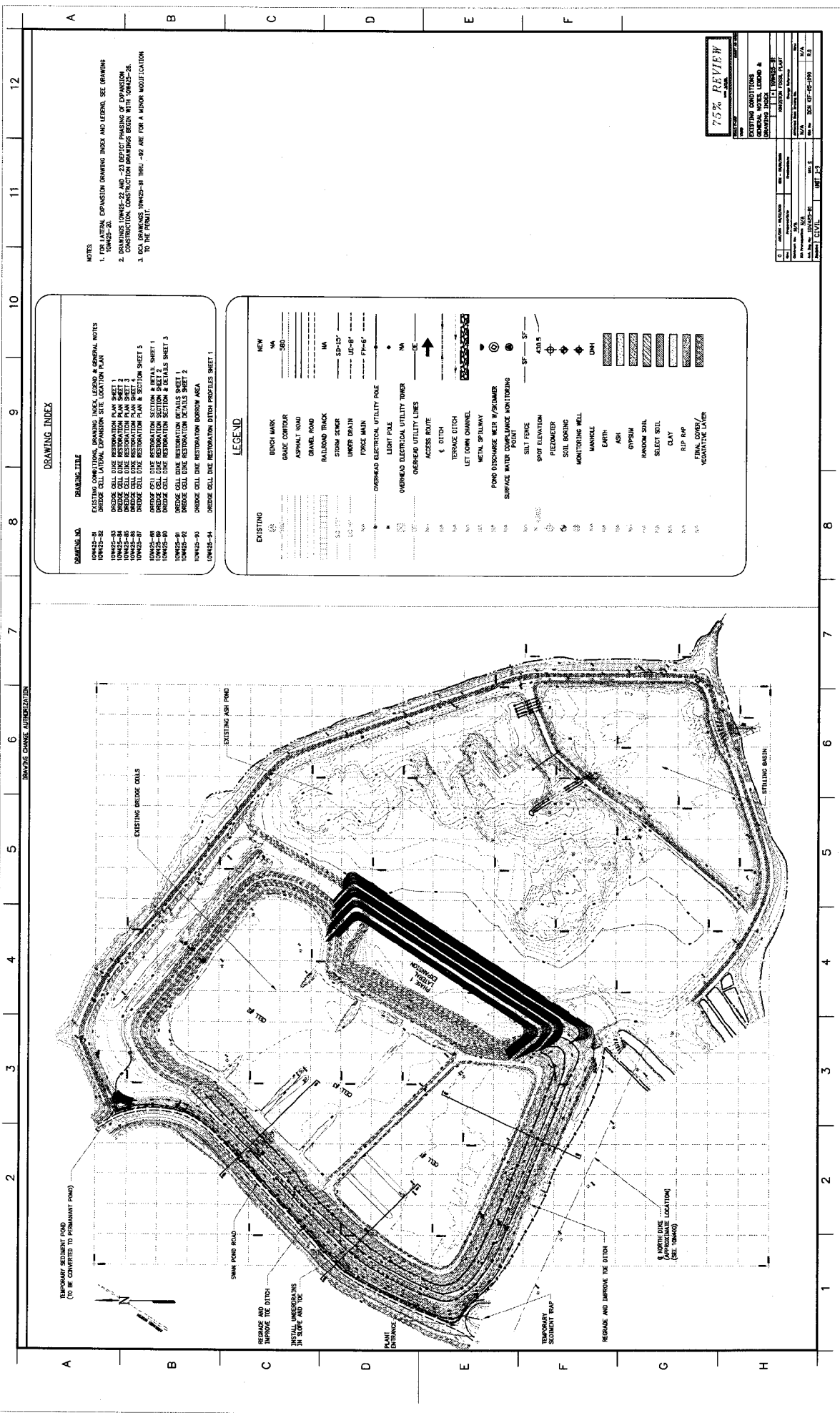
JOHN.BLANKENSHIP@WORLEYPARSONS.COM

\*\*\* WorleyParsons Group Notice \*\*\*

"This email is confidential. If you are not the intended recipient, you must not disclose or use the information contained in it. If you have received this email in error, please notify us immediately by return email and delete the email and any attachments. Any personal views/ opinions expressed by the writer may not necessarily reflect the views/ opinions of the company."

C:\Documents and Settings\smhaber\My Documents\KIF530 discovery email\KIF DCA TAO-0201 75% Review.zip

Name	Modified	Size	Ratio	Packed	Path
10W425-84.pdf	05/13/2005 10:43 AM	353,500	0%	352,877	
10W425-85.pdf	05/13/2005 10:43 AM	327,904	0%	327,295	
10W425-86.pdf	05/13/2005 10:44 AM	287,291	0%	286,668	
10W425-87.pdf	05/13/2005 10:44 AM	201,799	0%	201,115	
10W425-88.pdf	05/13/2005 10:44 AM	200,765	2%	197,392	
10W425-89.pdf	05/13/2005 10:45 AM	131,974	1%	130,253	
10W425-90.pdf	05/13/2005 10:45 AM	210,701	1%	208,239	
10W425-91.pdf	05/13/2005 10:46 AM	389,533	0%	388,664	
10W425-92.pdf	05/13/2005 10:46 AM	38,768	2%	38,094	
10W425-93.pdf	05/13/2005 10:47 AM	711,896	0%	711,074	
10W425-94.pdf	05/13/2005 10:47 AM	306,955	8%	281,597	
10W425-81.pdf	05/13/2005 10:41 AM	1,059,955	0%	1,056,730	
10W425-82.pdf	05/13/2005 11:01 AM	237,554	0%	236,925	
10W425-83.pdf	05/13/2005 10:42 AM	362,150	0%	361,417	
<b>14 file(s)</b>		<b>4,820,745</b>	<b>1%</b>	<b>4,778,340</b>	



**DRAWING INDEX**

DRAWING NO.	DRAWING TITLE
10W42-81	EXISTING CONDITIONS, DRAWING INDEX, LEGEND & GENERAL NOTES
10W42-82	SHRIMP CELL ORIGINAL EXPANSION SITE LOCATION PLAN
10W42-83	SHRIMP CELL DITCH RESTORATION DETAILS SHEET 1
10W42-84	SHRIMP CELL DITCH RESTORATION DETAILS SHEET 2
10W42-85	SHRIMP CELL DITCH RESTORATION DETAILS SHEET 3
10W42-86	SHRIMP CELL DITCH RESTORATION PLAN & SECTION SHEET 1
10W42-87	SHRIMP CELL DITCH RESTORATION PLAN & SECTION SHEET 2
10W42-88	SHRIMP CELL DITCH RESTORATION SECTION & DETAILS SHEET 1
10W42-89	SHRIMP CELL DITCH RESTORATION SECTION & DETAILS SHEET 2
10W42-90	SHRIMP CELL DITCH RESTORATION SECTION & DETAILS SHEET 3
10W42-91	SHRIMP CELL DITCH RESTORATION DETAILS SHEET 1
10W42-92	SHRIMP CELL DITCH RESTORATION DETAILS SHEET 2
10W42-93	SHRIMP CELL DITCH RESTORATION BORROW AREA
10W42-94	SHRIMP CELL DITCH RESTORATION DITCH PROFILES SHEET 1

**LEGEND**

EXISTING	NEW
---	BOUCH MARK
---	GRADE CONTOUR
---	ASPHALT ROAD
---	GRAVEL ROAD
---	RAILROAD TRACK
---	STORM SEWER
---	UNDER DRAIN
---	FORCE MAIN
---	OVERHEAD ELECTRICAL UTILITY POLE
---	LIGHT POLE
---	OVERHEAD ELECTRICAL UTILITY TOWER
---	OVERHEAD UTILITY LINES
---	ACCESS ROUTE
---	DITCH
---	TERRAZED DITCH
---	LET DOWN CHANNEL
---	METAL SPILLWAY
---	POND DISCHARGE WEIR W/SUMMER
---	SURFACE WATER COMPLIANCE MONITORING POINT
---	SILT FENCE
---	SPOT ELEVATION
---	PIEZOMETER
---	SOIL BORING
---	MONITORING WELL
---	MANHOLE
---	EARTH
---	ASH
---	GYPSUM
---	RANDOM SOIL
---	SELECT SOIL
---	CLAY
---	RIP RAP
---	GRAVEL/AGGREGATE COVER

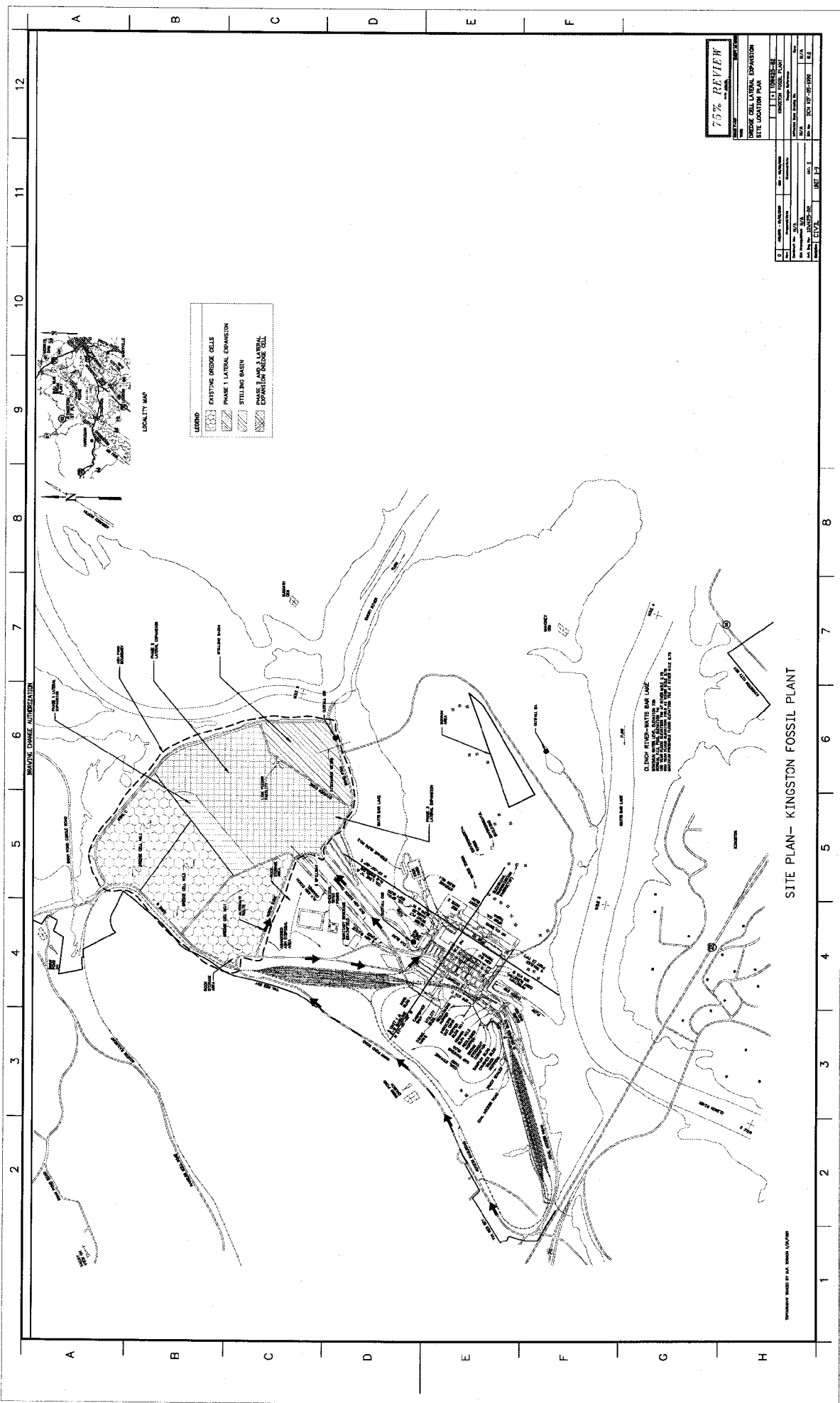
**NOTES:**

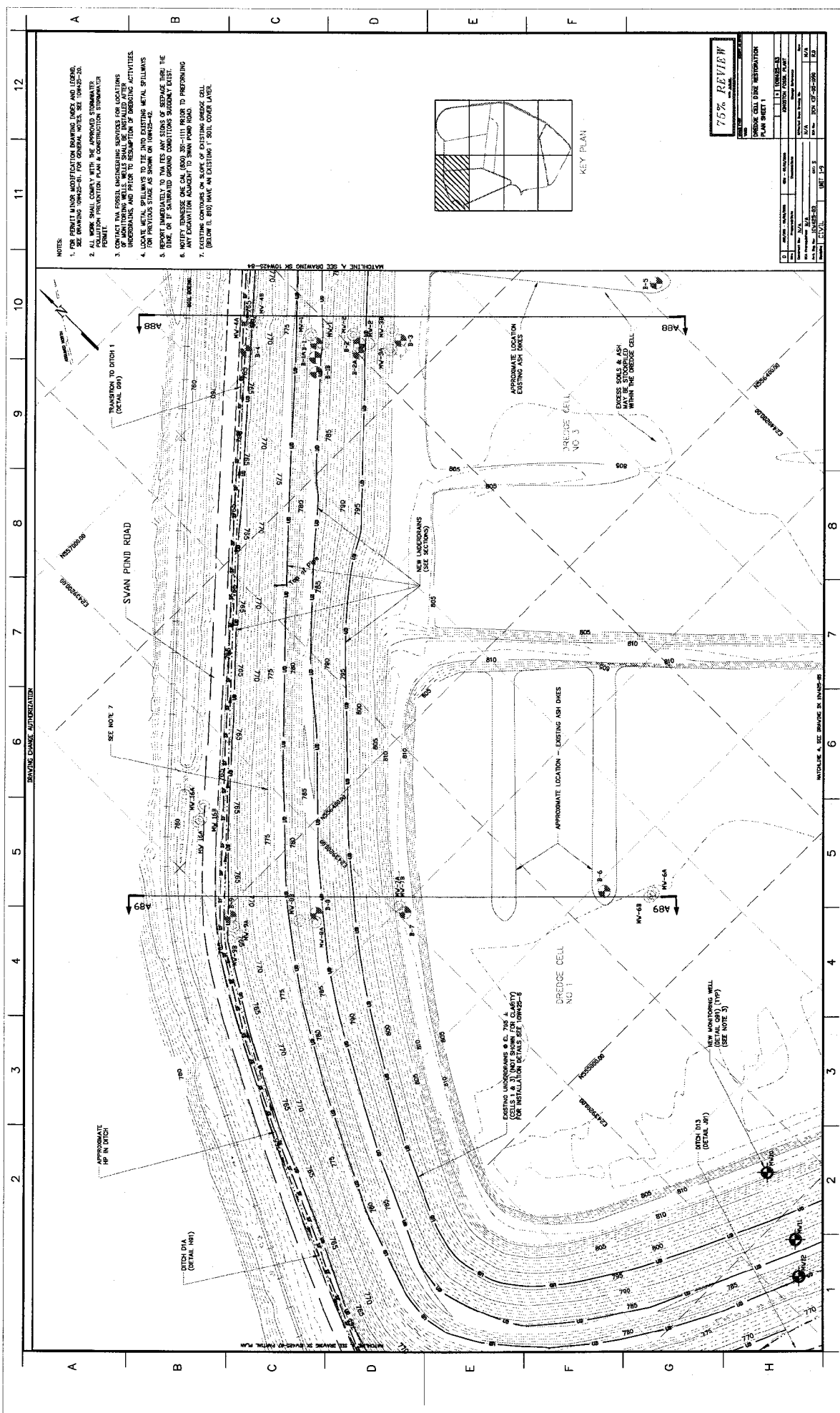
1. PERMIT: EXPANSION DRAWING INDEX AND LEGEND. SEE DRAWING 10W42-81.
2. DRAWINGS 10W42-82 AND -83 REPORT PHASING OF EXPANSION CONSTRUCTION. CONSTRUCTION DRAWINGS BEGIN WITH 10W42-84.
3. ICA DRAWINGS 10W42-81 THRU -87 ARE FOR A MINOR MODIFICATION TO THE PERMIT.

**75% REVIEW**

NO.	DATE	BY	FOR
1	10/15/04	...	...
2	10/20/04	...	...
3	10/25/04	...	...
4	11/01/04	...	...
5	11/05/04	...	...
6	11/10/04	...	...
7	11/15/04	...	...
8	11/20/04	...	...
9	11/25/04	...	...
10	12/01/04	...	...
11	12/05/04	...	...
12	12/10/04	...	...

**EXISTING CONDITIONS**  
**GENERAL NOTES, LEGEND & DRAWING INDEX**  
 DRAWING NO. 10W42-81  
 SHEET NO. 1 OF 1  
 DATE: 10/15/04  
 SCALE: AS SHOWN  
 PROJECT: ...





**NOTES:**

1. THE DRAWING IS AN INDICATIVE DRAWING. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND CONDITIONS BEFORE CONSTRUCTION. FOR GENERAL NOTES, SEE DWG-20-20.
2. ALL WORK SHALL COMPLY WITH THE APPROVED STORMWATER POLLUTION PREVENTION PLAN & CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN.
3. CONTACT THE LOCAL INSPECTING AGENCIES FOR LOCATIONS OF MONITORING WELLS. WELLS SHALL BE INSTALLED AFTER UNDERDRAINS AND PRIOR TO RESUMPTION OF DREDGING ACTIVITIES.
4. CONSTRUCTION SHALL BE TO THE EXISTING METAL STALLWAYS AND EXISTING STALLWAYS TO THE EXISTING METAL STALLWAYS.
5. REPORT IMMEDIATELY TO THE ASK SEAS OF STORAGE DUNE, THE DUNE, OR IF SATURATED GROUND CONDITIONS SUBSEQUENTLY EXIST.
6. NOTIFY TENNESSEE ONE CALL (800) 393-1111 PRIOR TO DREDGING.
7. EXISTING CONTOURS ON SLOPE OF EXISTING DREDGE CELL (SCALE 1" = 80' HORIZ. ON EXISTING 1" VERTICAL). OTHER LAYER.

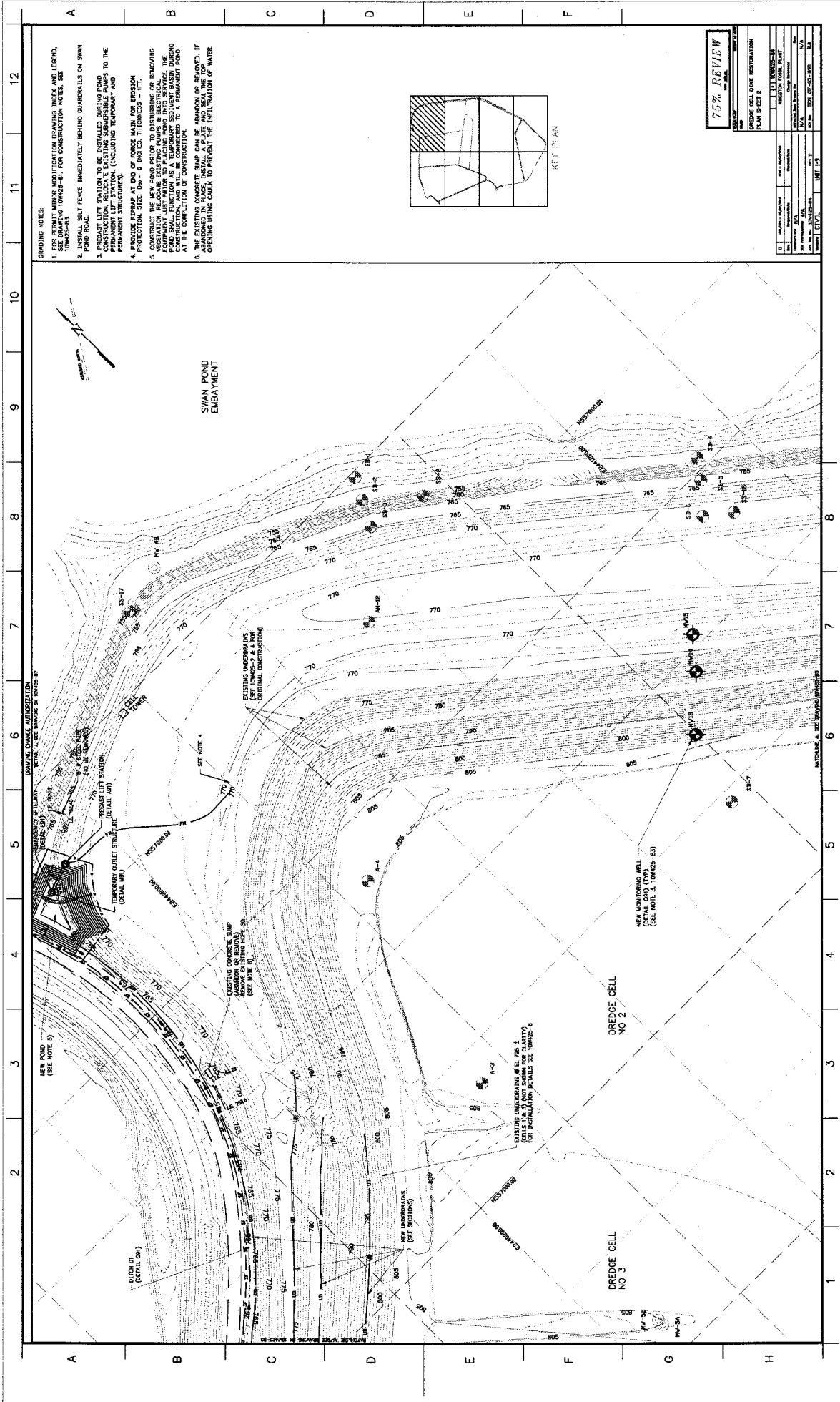
<b>75% REVIEW</b>	
DATE: _____	BY: _____
DREDGE CELL DIKE RESTORATION	
PLAN SHEET 1	
DESIGNED BY: _____	CHECKED BY: _____
DRAWN BY: _____	APPROVED BY: _____
SCALE: _____	DATE: _____
PROJECT NO: _____	DATE: _____
DATE: _____	DATE: _____



DRAWING CHANGE AUTHORIZATION

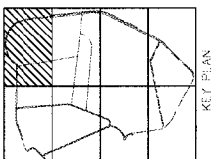
MATCHLINE TO DRAWING SK-20-20-20

MATCHLINE TO DRAWING SK-20-20-20

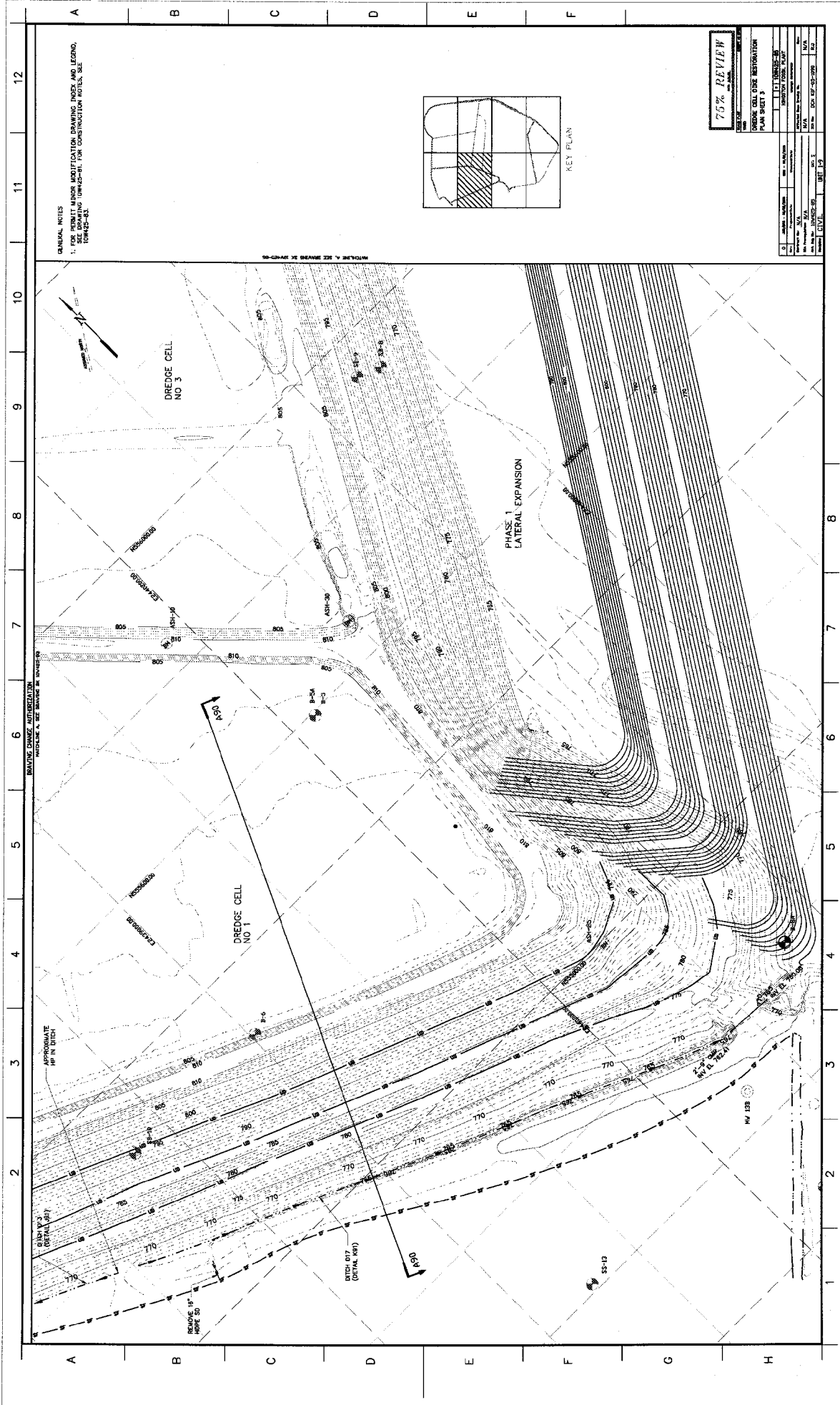


- GRADING NOTES:**
1. FOR PERMIT TOWNSHIP 10N42S-R1, FOR CONSTRUCTION NOTES, SEE TOWNSHIP-10N42S-R1.
  2. INSTALL SILT FENCE IMMEDIATELY BEHIND GUARDRAILS ON SWAN POND ROAD.
  3. PRECAST LIFT STATION TO BE INSTALLED DURING POND CONSTRUCTION. ALL STRUCTURES TO BE PERMANENT UNLESS OTHERWISE NOTED TO THE PERMANENT LIST STATION. (INCLUDING TEMPORARY AND PERMANENT STRUCTURES).
  4. PROVIDE RIPRAP AT END OF FORCE MAIN FOR EROSION CONTROL.
  5. CONSTRUCT THE FORCE MAIN PRIOR TO DISBURSING OR REMOVAL OF VEGETATION. RELOCATE EXISTING PUMPS & ELECTRICAL SERVICE TO NEW FORCE MAIN. THE FORCE MAIN SHALL BE INSTALLED TO A PERMANENT POND SHALL FUNCTION AS A TEMPORARY SEDIMENT BASIN DURING CONSTRUCTION AND BE USED FOR CONSTRUCTION.
  6. THE EXISTING CONCRETE SUMP CAN BE REMOVED OR REWORKED. IF ABANDONED IN PLACE, INSTALL A PLATE AND SEAL THE TOP OPENING USING GULCH TO PREVENT THE INFILTRATION OF WATER.

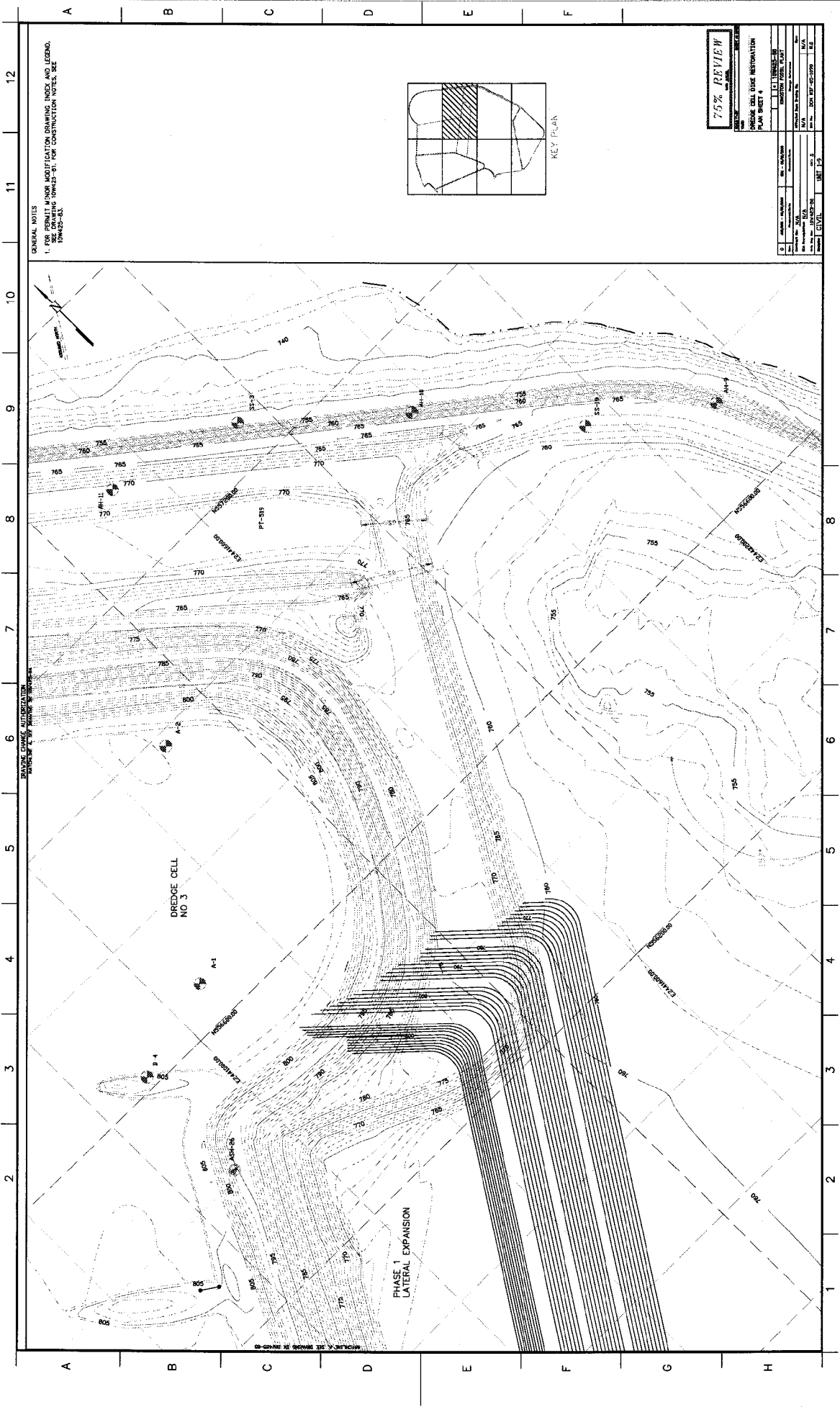
<b>75% REVIEW</b>	
DATE	11/11/2011
BY	J. L. GIBSON
PROJECT	SWAN POND RESTORATION
PLAN SHEET	2
DATE	11/11/2011
BY	J. L. GIBSON
PROJECT	SWAN POND RESTORATION
PLAN SHEET	2
DATE	11/11/2011
BY	J. L. GIBSON
PROJECT	SWAN POND RESTORATION
PLAN SHEET	2
DATE	11/11/2011
BY	J. L. GIBSON
PROJECT	SWAN POND RESTORATION
PLAN SHEET	2



**SWAN POND EMBAYMENT**







GENERAL NOTES  
 1. FOR PERMIT AND/OR MODIFICATION DRAWING, THIS AND LEGEND, (DRAWING) IS TO BE USED ONLY FOR CONSTRUCTION PURPOSES. SEE (DRAWING) FOR DETAILS.



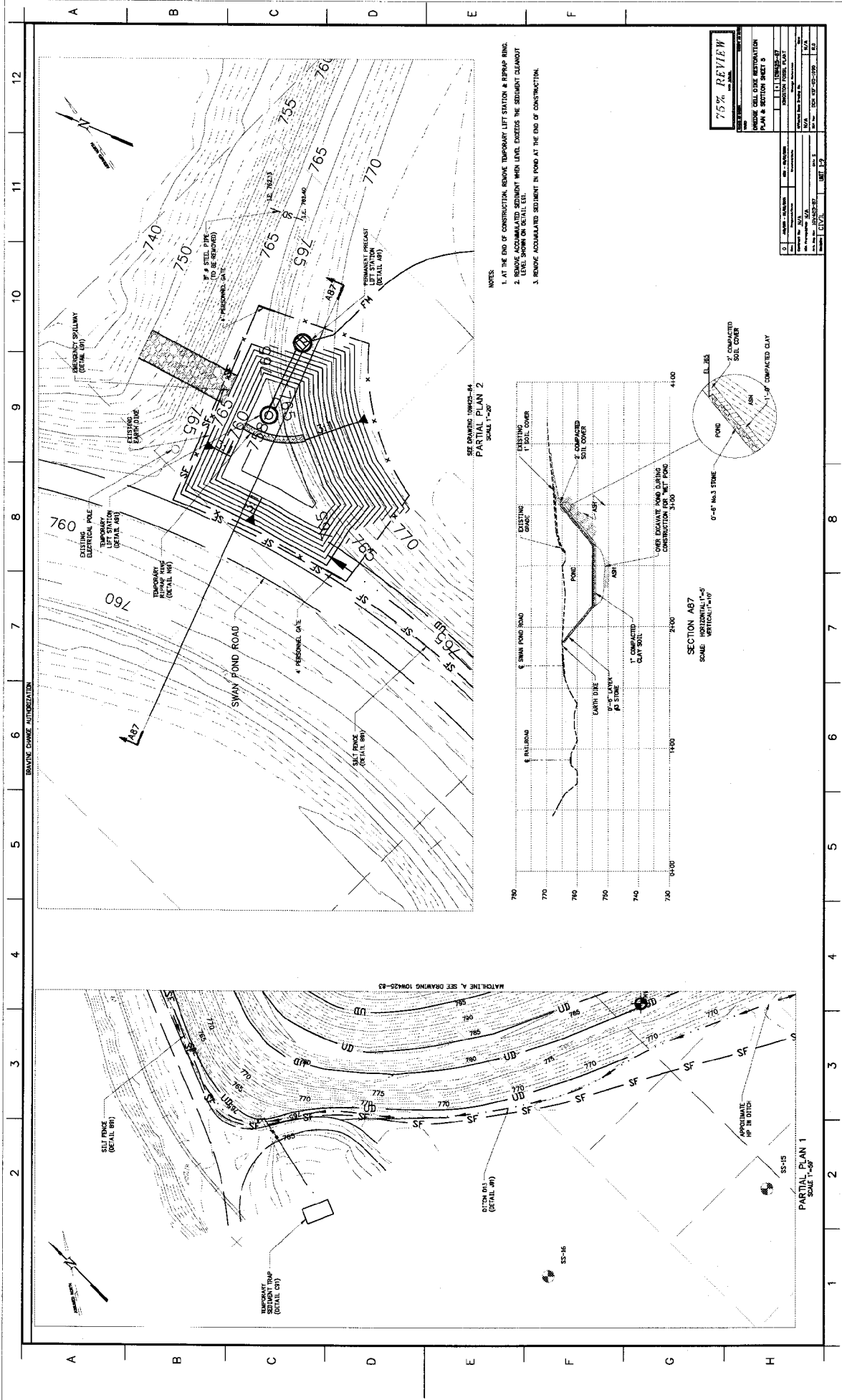
**75% REVIEW**

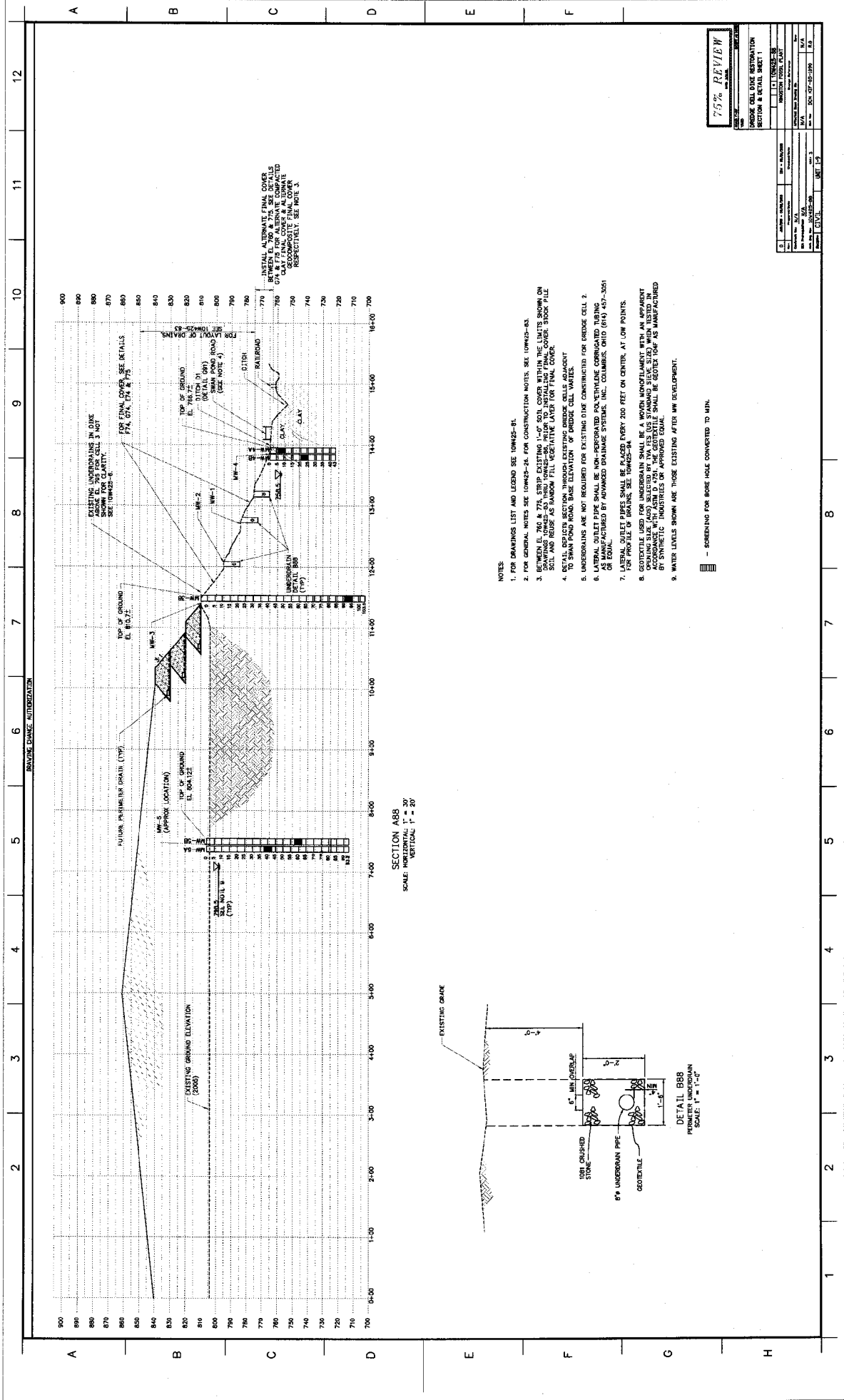
DATE	BY	REVIEWED BY

DREDGE CELL DIKE RESTORATION  
 PLAN SHEET 4

NO.	DESCRIPTION	DATE
1	DESIGN	
2	CONSTRUCTION	
3	OPERATION	
4	REVISION	

DESIGNED BY: [Name]  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]  
 DATE: 10/11/05





- NOTES**
1. FOR DRAWINGS LIST AND LEGEND SEE 10W42-81.
  2. FOR GENERAL NOTES SEE 10W42-24. FOR CONSTRUCTION NOTES, SEE 10W42-83.
  3. BETWEEN EL. 760.0, 775.0 EXISTING 1/4" SOIL COVER WITHIN THE LIMITS SHOWN ON DRAWINGS 10W42-81 AND 10W42-82 PRIOR TO INSTALLING FINAL COVER, BROOK FILL SOIL AND REUSE AS RANDOM FILL VEGETATIVE LAYER FOR FINAL COVER.
  4. ALL UNDERDRAIN PIPES SHALL BE 6" DIA. (UNLESS OTHERWISE SPECIFIED) WITH A MINIMUM SWAN POND ROAD BASE ELEVATION OF DRAINAGE CELL TOP.
  5. UNDERDRAINS ARE NOT REQUIRED FOR EXISTING DUNE CONSTRUCTION FOR DRAINAGE CELL 2.
  6. LATERAL SUBLET PIPE SHALL BE NON-PERFORATED FOR YET-A-HOME COMBINED DRAINING AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS, INC., COLUMBUS, OHIO (614) 457-3051 OR EQUAL.
  7. LATERAL SUBLET PIPES SHALL BE PLACED EVERY 200 FEET ON CENTER, AT LOW POINTS.
  8. GEOTEXTILE USED FOR UNDERDRAIN SHALL BE A WOVEN MONOLAMINATE WITH AN APPROPRIATE OPENING SIZE (AS) SELECTED BY THE USER STANNARD 3 (EVE S 30) WHEN TESTED IN ACCORDANCE WITH ASTM D 4753. THE GEOTEXTILE SHALL BE IDENTICAL AS MANUFACTURED BY SYNTHETIC INDUSTRIES OR APPROVED EQUAL.
  9. WATER LEVELS SHOWN ARE THOSE EXISTING AFTER MW DEVELOPMENT.

SECTION ABB  
SCALE: HORIZONTAL 1" = 30'  
VERTICAL 1" = 20'

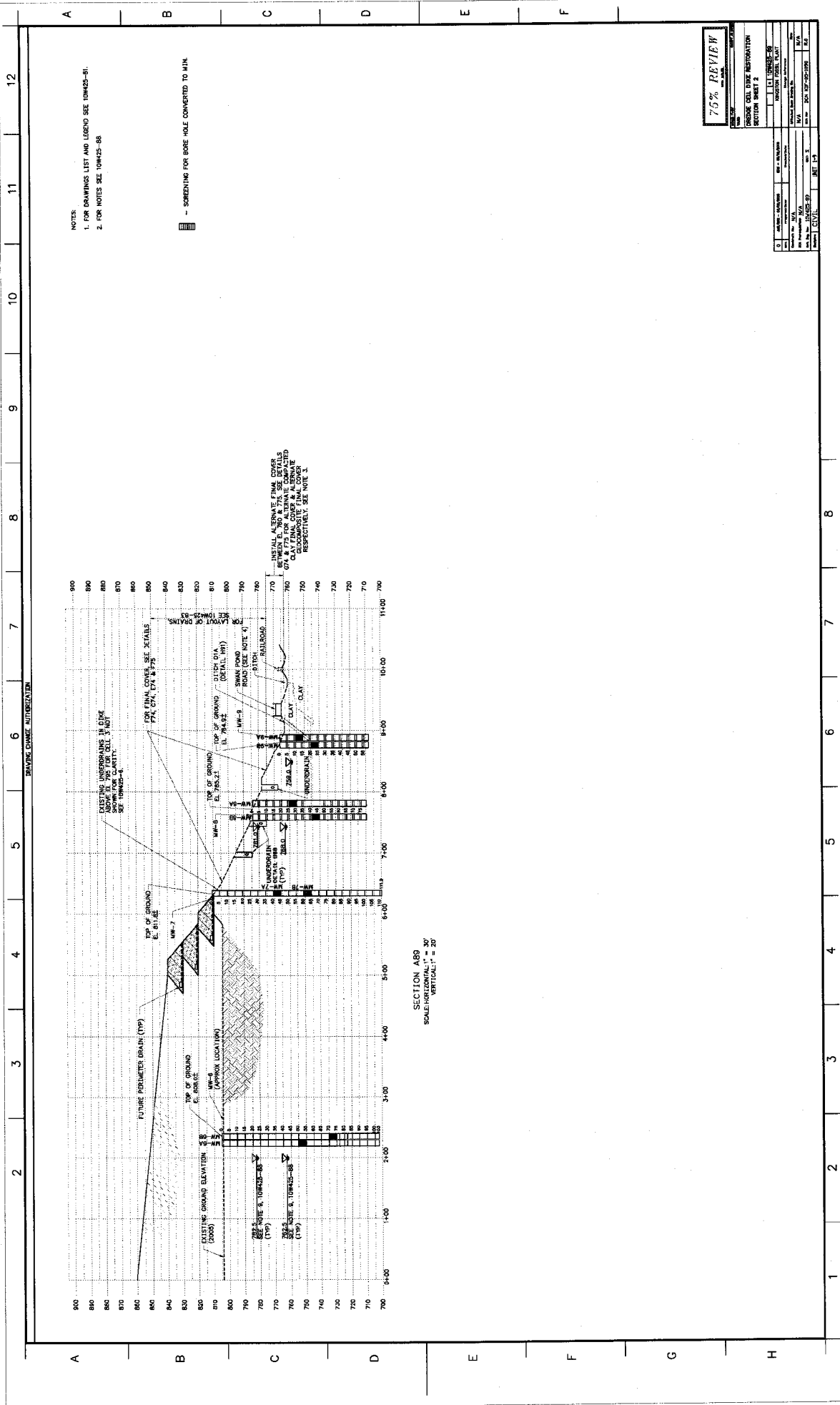
DETAIL B88  
POWER UNDERDRAIN  
SCALE: 1" = 1'-0"

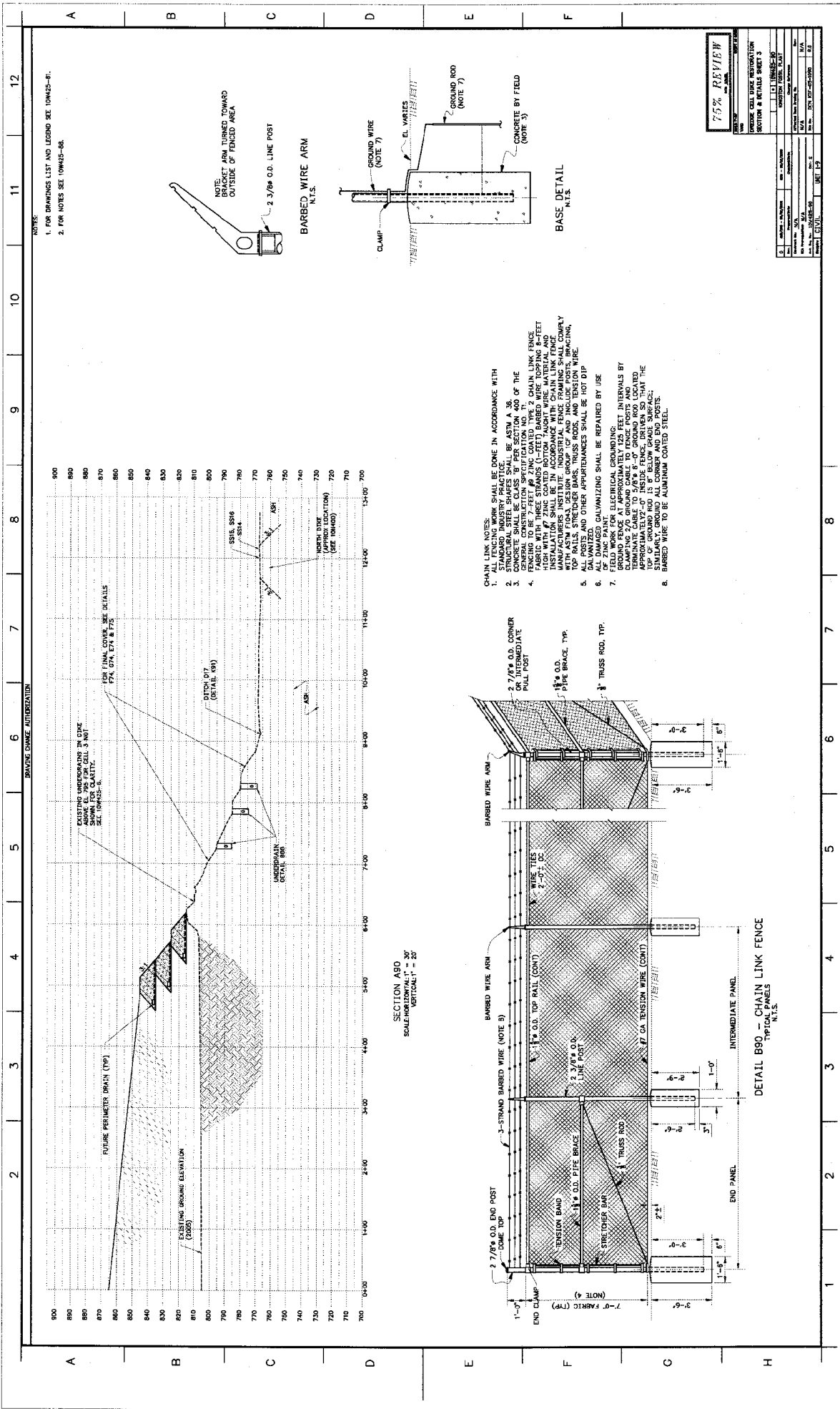
75% REVIEW

NO.	NAME / TITLE	DATE
1	PROJECT ENGINEER	10/13/2008
2	DISTRICT ENGINEER	10/13/2008
3	CIVIL	10/13/2008

SECTION & SHEET INFORMATION

SECTION	10W42-24
SHEET NO.	173
TOTAL SHEETS	173
PROJECT NO.	10W42-24
DATE	10/13/2008





NOTES:  
 1. FOR DRAWINGS LIST AND LEGEND SEE 104425-41.  
 2. FOR NOTES SEE 104425-46.

NOTE:  
 BRACKET ARM TURNED TOWARD  
 OUTSIDE OF FENCED AREA

2 3/8" O.D. LINE POST

BARBED WIRE ARM  
 N.T.S.

CLAMP  
 GROUND WIRE  
 (NOTE 7)  
 E. WIRE  
 GROUND ROD  
 (NOTE 7)  
 CONCRETE BY FIELD  
 (NOTE 3)

BASE DETAIL  
 N.T.S.

CHAIN LINK NOTES:  
 1. CHAIN LINK SHALL BE DONE IN ACCORDANCE WITH STANDARD INDUSTRY PRACTICE.  
 2. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE GENERAL CONSTRUCTION SPECIFICATION NO. 11. ALL LINK WIRE SHALL BE GALVANIZED.  
 3. ALL LINK WIRE SHALL BE GALVANIZED.  
 4. HIGH WITH #7 ZINC COATED BOTTOM TAUBET WIRE MATERIAL AND FABRIC WITH THREE STANDS (1-1/2) BARBED WIRE TOPPING 4-FEET WITH ASTM FIELD DESIGN GROUP 'C' AND INCLUDE POSTS BRACING, MANUFACTURER'S INSTANT INDUSTRIAL FENCE FRAMING SHALL COMPLY WITH ALL POSTS AND OTHER APPEARANCES SHALL BE HOT DIP GALVANIZED.  
 5. GALVANIZED GALVANIZING SHALL BE REPAIRED BY USE OF ZINC PAINT.  
 6. FIELD WORK FOR ELECTRICAL GROUNDING: CLAMPING 2/6 GROUND CABLE TO FENCE POSTS AND TERMINATE CABLE TO 3/4" x 8" GROUND ROD LOCATED 3'-0" FROM TOP OF GROUND ROD 12" BELOW GRADE SURFACE. STANDARDLY GROUND ALLOWANCE AND END POSTS. BARRER WIRE TO BE ADJACENT GALVANIZED STEEL.

EXISTING UNDERDRAINS IN DRAIN  
 SHOW FOR CLASITC.  
 SEE 104425-6.

FOR FINAL COVER SEE DETAILS  
 F7A, F7B, F7C & F7D

DITCH 017  
 (DETAIL 01)

ASH

UNDERDRAIN  
 DETAIL 010

NORTH DIRECTION  
 (SEE LOCATION)  
 (SEE 104425-6)

SECTION A80  
 SCALE: HORIZONTAL 1" = 30'  
 VERTICAL 1" = 20'

2 7/8" O.D. CORNER  
 PULL POST

1/2" O.D.  
 PIPE BRACE TYP.

TRUSS ROD TYP.

2 7/8" O.D. END POST

3-STRAND BARBED WIRE (NOTE 9)

BARBED WIRE ARM

WIRE TIES  
 2-SET USE

1 1/2" O.D. TOP RAIL (CONT)

2 3/8" O.D.  
 LINE POST

1 1/2" O.D. TENSION WIRE (CONT)

1-5" 8"

1-5" 8"

1-5" 8"

1-5" 8"

1-5" 8"

1-5" 8"

1-5" 8"

1-5" 8"

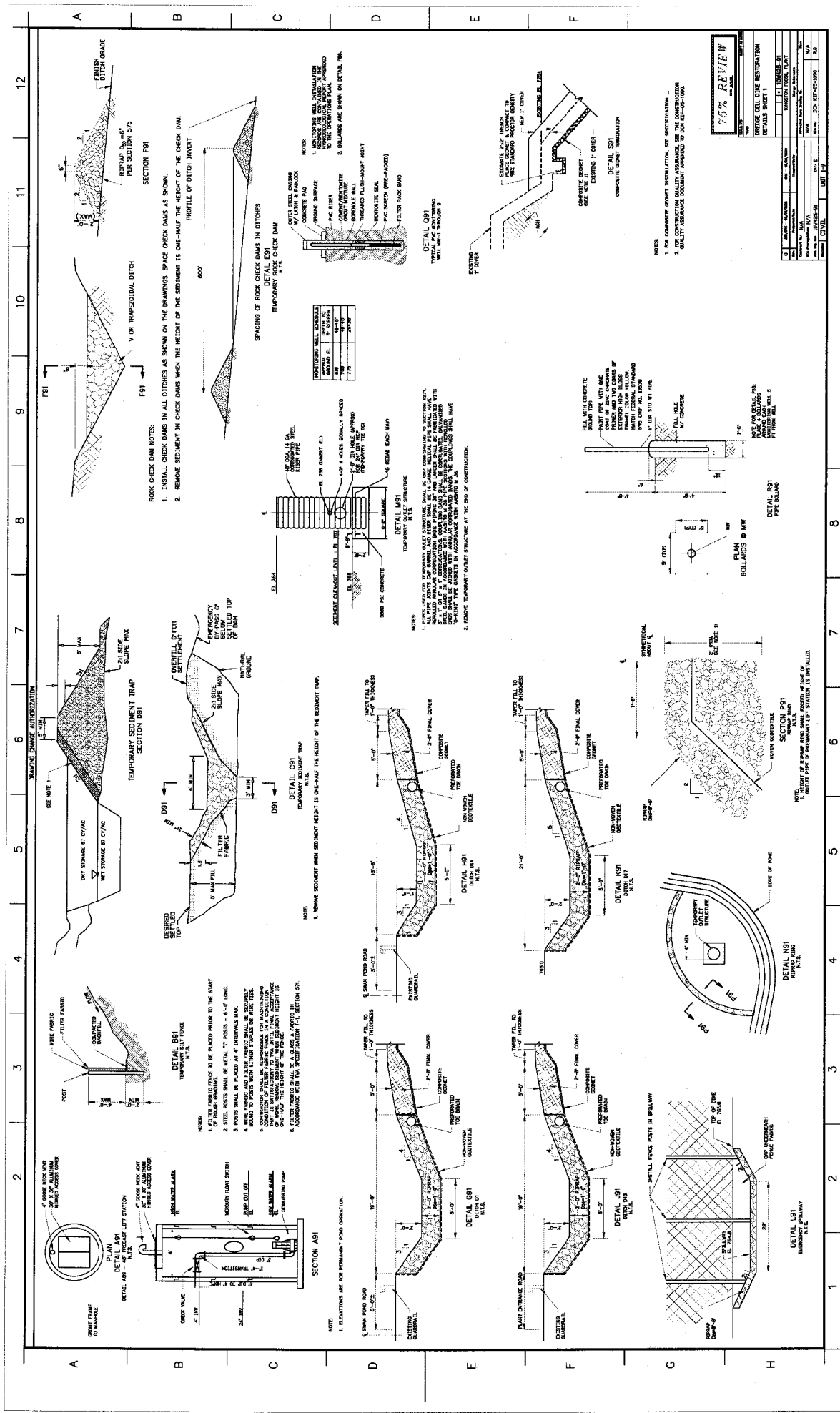
1-5" 8"

1-5" 8"

1-5" 8"

79% REVIEW

PROJECT INFORMATION	
PROJECT NO.	104425-46
DATE	12/22/59
DESIGNED BY	...
CHECKED BY	...
SCALE	...
SHEET NO.	...
TOTAL SHEETS	...
PROJECT TITLE	
FENCE CHAIN LINK RESTORATION SECTION & DETAILS SHEET 3	
APPROVED BY	...
DATE	...
DESIGNED BY	...
CHECKED BY	...
SCALE	...
SHEET NO.	...
TOTAL SHEETS	...
DRAWN BY	
...	
DATE	
...	
SCALE	
...	



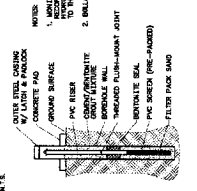
**75% REVIEW**

DATE: 08/25/00  
 DRAWN BY: J.E. [unreadable]  
 CHECKED BY: [unreadable]  
 APPROVED BY: [unreadable]  
 TITLE: SPAWNING CHANNEL AUTORIZATION  
 SHEET NO: 1 OF 2  
 PROJECT NO: [unreadable]

**SECTION F81**  
 REPAIR OF 24" DIA. INLET GRADE  
 PER SECTION 375

**ROCK CHECK DAM NOTES**  
 1. INSTALL CHECK DAMS IN ALL DITCHES AS SHOWN ON THE DRAWINGS. SPACE CHECK DAMS AS SHOWN.  
 2. REMOVE SEDIMENT IN CHECK DAMS WHEN THE HEIGHT OF THE SEDIMENT IS ONE-HALF THE HEIGHT OF THE CHECK DAM.

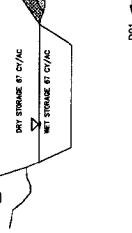
**SPACING OF ROCK CHECK DAMS IN DITCHES**  
 TEMPORARY ROCK CHECK DAM



**CONTAINER WALL SCHEDULE**  
 BY [unreadable]  
 DATE 08/25/00

ITEM	DESCRIPTION	UNIT	AMOUNT
1	CONCRETE	CY	1.00
2	STEEL	LB	100.00
3	WOOD	CU YD	0.50
4	ROCK	CU YD	1.00
5	LABOR	HOUR	10.00
6	EQUIPMENT	HOUR	5.00
7	PERMITS	DOLLARS	500.00
8	TRAVEL	DOLLARS	50.00
9	TESTING	DOLLARS	100.00
10	PROTECTION	DOLLARS	100.00
11	UTILITIES	DOLLARS	100.00
12	SALES TAX	DOLLARS	50.00
13	TOTAL	DOLLARS	1,950.00

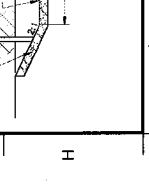
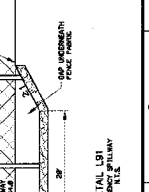
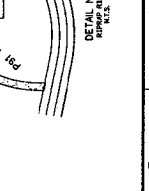
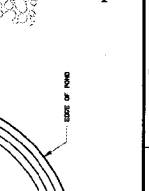
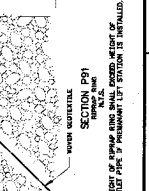
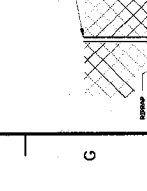
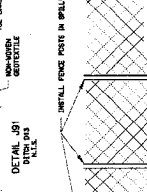
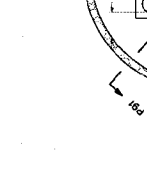
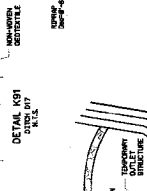
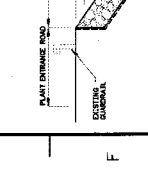
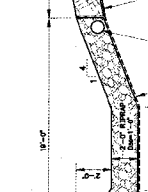
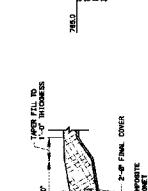
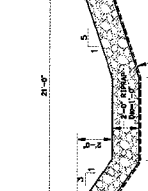
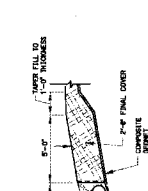
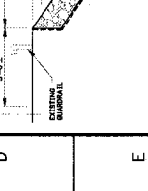
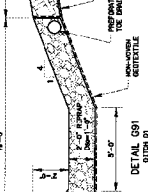
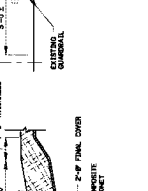
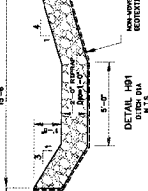
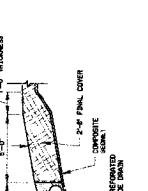
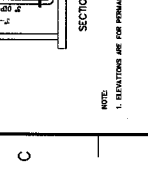
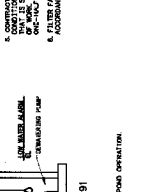
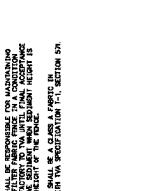
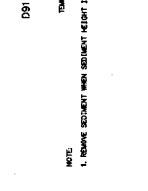
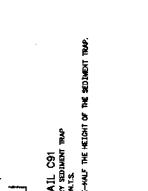
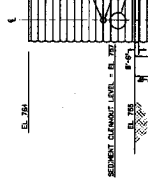
**TEMPORARY SEDIMENT TRAP**  
 SECTION D91



**DETAIL DS1**  
 TEMPORARY SEDIMENT TRAP

**DETAIL DS1**  
 TEMPORARY SEDIMENT TRAP

**DETAIL DS1**  
 TEMPORARY SEDIMENT TRAP



**NOTE:**  
 1. REMOVE SEDIMENT WHEN SEDIMENT HEIGHT IS ONE-HALF THE HEIGHT OF THE SEDIMENT TRAP.

**DETAIL DS1**  
 TEMPORARY SEDIMENT TRAP

**DETAIL DS2**  
 TEMPORARY SEDIMENT TRAP

**DETAIL DS3**  
 TEMPORARY SEDIMENT TRAP

**DETAIL DS4**  
 TEMPORARY SEDIMENT TRAP

**DETAIL DS5**  
 TEMPORARY SEDIMENT TRAP

**DETAIL DS6**  
 TEMPORARY SEDIMENT TRAP

**DETAIL DS7**  
 TEMPORARY SEDIMENT TRAP

**DETAIL DS8**  
 TEMPORARY SEDIMENT TRAP

**DETAIL DS9**  
 TEMPORARY SEDIMENT TRAP

**DETAIL DS10**  
 TEMPORARY SEDIMENT TRAP

**DETAIL DS11**  
 TEMPORARY SEDIMENT TRAP

**DETAIL DS12**  
 TEMPORARY SEDIMENT TRAP

**DETAIL DS13**  
 TEMPORARY SEDIMENT TRAP

**DETAIL DS14**  
 TEMPORARY SEDIMENT TRAP

**DETAIL DS15**  
 TEMPORARY SEDIMENT TRAP

**DETAIL DS16**  
 TEMPORARY SEDIMENT TRAP

**DETAIL DS17**  
 TEMPORARY SEDIMENT TRAP

**DETAIL DS18**  
 TEMPORARY SEDIMENT TRAP

**DETAIL DS19**  
 TEMPORARY SEDIMENT TRAP

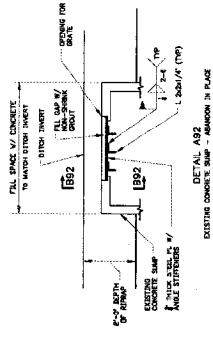
**DETAIL DS20**  
 TEMPORARY SEDIMENT TRAP

12 11 10 9 8 7 6 5 4 3 2 1

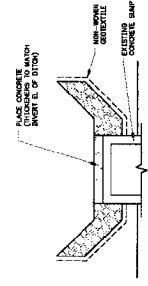
A B C D E F

A B C D E F G H

DRAWING CHANGE AUTHORIZATION



SECTION B92

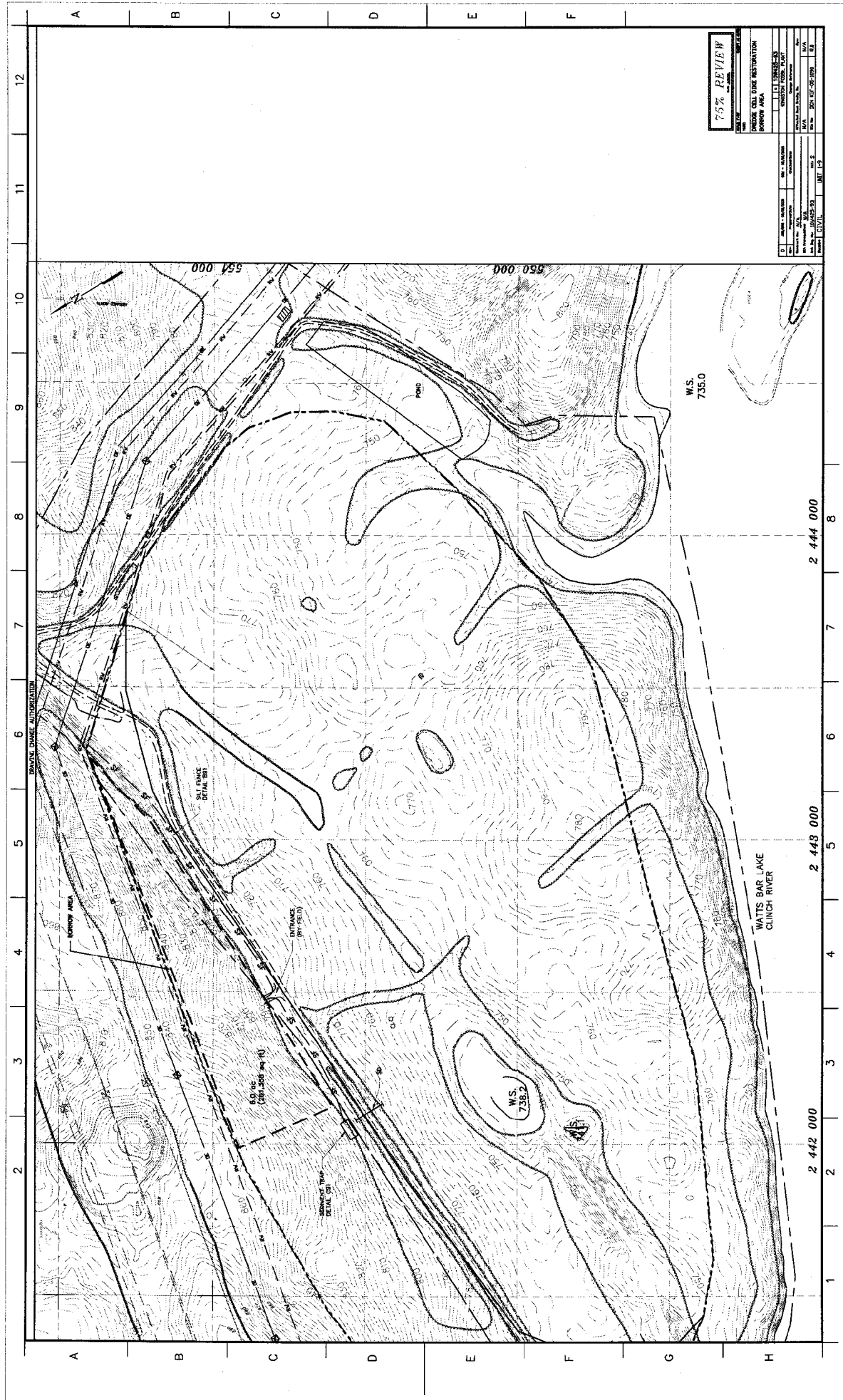


**75% REVIEW**  
 DATE: 10/10/2013  
 BY: JMM

**PROPOSED TALL DAM RESTORATION  
 DETAILS SHEET 2**

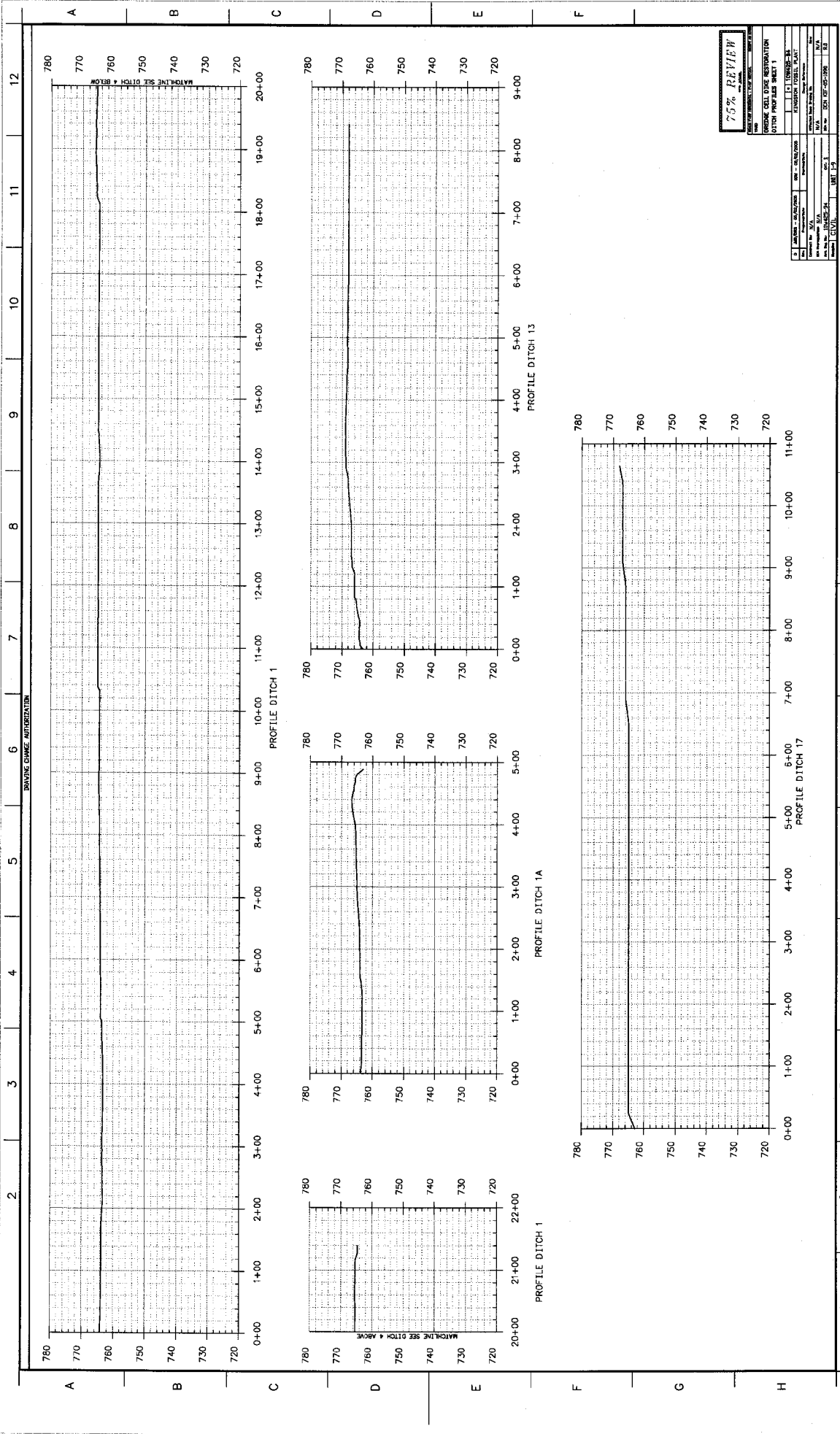
DESIGNED BY	DATE	SCALE
CHECKED BY	DATE	SCALE
APPROVED BY	DATE	SCALE
PROJECT NO.	DATE	SCALE
PROJECT NAME	DATE	SCALE
PROJECT LOCATION	DATE	SCALE
PROJECT DRAWING NO.	DATE	SCALE
PROJECT SHEET NO.	DATE	SCALE
PROJECT TOTAL SHEETS	DATE	SCALE
PROJECT TOTAL SHEETS	DATE	SCALE
PROJECT TOTAL SHEETS	DATE	SCALE

8 7 6 5 4 3 2 1



<b>75% REVIEW</b>	
DATE	11/20/2008
BY	[Signature]
PROJECT GULF ORE RESTORATION DORRUM AREA	
SCALE	550,000
DATE	07-05-2008
BY	[Signature]
SCALE	550,000
DATE	07-05-2008
BY	[Signature]





75% REVIEW	
DATE OF REVIEW: 10/12/11	
BY: [Signature]	
CHECKED BY: [Signature]	
DESIGNED BY: [Signature]	
DRAWN BY: [Signature]	
SCALE: AS SHOWN	
PROJECT: [Project Name]	
SHEET: [Sheet Number]	
DATE: [Date]	

**Haber, Stanley M**

---

**From:** Haber, Stanley M.  
**Sent:** Thursday, May 12, 2005 2:31 PM  
**To:** 'Smith, Daniel R (Chattanooga)'; Hughes, Michael; Blankenship, John (Chattanooga)  
**Cc:** Purkey, Ronald E.; Petty, Harold L.; Baugh, James S.; Catlett, James H  
**Subject:** RE: KIF530 (French Drain): Drawings for 100% Design Review Meeting pre-review

John and Dan,

I would suggest that the following people be sent copies of the drawings that we will discuss on 5/25:

Larry Radford  
Robert Knox  
Ken Lowery  
James Catlett  
Dewayne Rushing  
James Settles  
Earl Deskins  
Bob Rehberg  
Linda Campbell  
Lindy Johnson  
Darlene Keller  
Missy Hedgecoth  
Steve Baugh  
Brian Lankford  
Stan Haber  
Jim Posten

Thank you for your help.

Stan

-----Original Message-----

**From:** Smith, Daniel R (Chattanooga) [mailto:Daniel.R.Smith@worleyparsons.com]  
**Sent:** Thursday, May 12, 2005 1:34 PM  
**To:** Haber, Stanley M.; Hughes, Michael  
**Cc:** Purkey, Ronald E.; Petty, Harold L.; Baugh, James S.; Catlett, James H; Blankenship, John (Chattanooga)  
**Subject:** RE: KIF530 (French Drain): Drawings for 100% Design Review Meeting pre-review

We had planned on sending out a set for review in advance of the 50-100% design review now scheduled for 5/25. I will have PDF copies made and emailed to Steve Baugh, Harold Catlett, James Settles, and whoever else you would like for us to send to.

Please email a list to John Blankenship (Parsons E&C Chattanooga - Civil Designer) and copy me. John will send those out tomorrow.

Thanks

Dan

---

**From:** Haber, Stanley M. [mailto:smhaber@tva.gov]

03/14/2009

TVA-00027213

**Sent:** Thu 5/12/2005 12:03 PM

**To:** Hughes, Michael

**Cc:** Purkey, Ronald E.; Petty, Harold L.; Baugh, James S.; Smith, Daniel R (Chattanooga); Catlett, James H

**Subject:** KIF530 (French Drain): Drawings for 100% Design Review Meeting pre-review

Mike,

Ron and I have discussed the need for providing a copy of the drawings that will be discussed on 5/25 to Steve Baugh now for his pre-review. Please provide a copy of the drawings to Steve ASAP so that he can review them and ask any questions on them by early next week.

Thanks.

Stan

\*\*\* WorleyParsons Group Notice \*\*\*

"This email is confidential. If you are not the intended recipient, you must not disclose or use the information contained in it. If you have received this email in error, please notify us immediately by return email and delete the email and any attachments. Any personal views/ opinions expressed by the writer may not necessarily reflect the views/ opinions of the company."

**Haber, Stanley M**

---

**From:** Smith, Daniel R (Chattanooga) [Daniel.R.Smith@worleyparsons.com]  
**Sent:** Thursday, May 12, 2005 1:34 PM  
**To:** Haber, Stanley M.; Hughes, Michael  
**Cc:** Purkey, Ronald E.; Petty, Harold L.; Baugh, James S.; Catlett, James H; Blankenship, John (Chattanooga)  
**Subject:** RE: KIF530 (French Drain): Drawings for 100% Design Review Meeting pre-review

We had planned on sending out a set for review in advance of the 50-100% design review now scheduled for 5/25. I will have PDF copies made and emailed to Steve Baugh, Harold Catlett, James Settles, and whoever else you would like for us to send to.

Please email a list to John Blankenship (Parsons E&C Chattanooga - Civil Designer) and copy me. John will send those out tomorrow.

Thanks

Dan

---

**From:** Haber, Stanley M. [mailto:smhaber@tva.gov]  
**Sent:** Thu 5/12/2005 12:03 PM  
**To:** Hughes, Michael  
**Cc:** Purkey, Ronald E.; Petty, Harold L.; Baugh, James S.; Smith, Daniel R (Chattanooga); Catlett, James H  
**Subject:** KIF530 (French Drain): Drawings for 100% Design Review Meeting pre-review

Mike,

Ron and I have discussed the need for providing a copy of the drawings that will be discussed on 5/25 to Steve Baugh now for his pre-review. Please provide a copy of the drawings to Steve ASAP so that he can review them and ask any questions on them by early next week.

Thanks.

Stan

\*\*\* WorleyParsons Group Notice \*\*\*

"This email is confidential. If you are not the intended recipient, you must not disclose or use the information contained in it. If you have received this email in error, please notify us immediately by return email and delete the email and any attachments. Any personal views/opinions expressed by the writer may not necessarily reflect the views/ opinions of the company."

03/14/2009

TVA-00027215

**Haber, Stanley M**

---

**From:** Haber, Stanley M.  
**Sent:** Thursday, May 12, 2005 1:03 PM  
**To:** Hughes, Michael  
**Cc:** Purkey, Ronald E.; Petty, Harold L.; Baugh, James S.; Smith, Daniel R.; Catlett, James H  
**Subject:** KIF530 (French Drain): Drawings for 100% Design Review Meeting pre-review

Mike,

Ron and I have discussed the need for providing a copy of the drawings that will be discussed on 5/25 to Steve Baugh now for his pre-review. Please provide a copy of the drawings to Steve ASAP so that he can review them and ask any questions on them by early next week.

Thanks.

Stan

## Haber, Stanley M

---

**From:** Smith, Daniel R (Chattanooga) [Daniel.R.Smith@worleyparsons.com]  
**Sent:** Monday, May 09, 2005 11:42 AM  
**To:** Petty, Harold L.; Hughes, Michael  
**Cc:** Haber, Stanley M.  
**Subject:** Visit with Catlett at KIF this morning 5/9/05

**Attachments:** Visit with Catlett at KIF this morning 5/9/05



Visit with Catlett at  
KIF this...

```
<html>  
<font face="Arial" style="font-size: 8pt;">*** WorleyParsons Group Notice ***  
"This email is confidential. If you are not the intended recipient, you must not disclose  
or use the information contained in it. If you have received this email in error, please  
notify us immediately by return email and delete the email and any attachments. Any  
personal views/ opinions expressed by the writer may not necessarily reflect the views/  
opinions of the company."  
</font>  
</html>
```

## Haber, Stanley M

---

**From:** Smith, Daniel R (Chattanooga) [Daniel.R.Smith@worleyparsons.com]  
**Sent:** Monday, May 09, 2005 11:42 AM  
**To:** Petty, Harold L.; Hughes, Michael  
**Cc:** Haber, Stanley M.  
**Subject:** Visit with Catlett at KIF this morning 5/9/05

Met with Catlett this morning. James Settles and Linda Campbell came by also. We went over the drawings briefly (the set sent to the state), and I left those with him. No issues were brought up by the plant that would be controversial at this time.

My recollection is that we are supposed to send a set on Friday 5/13, and have a meeting a week later 5/20. Harold Catlett wants James Settles to attend, and James will be out all next week. They have scheduled a meeting with Lindy Johnson on 5/25 (its close to our issue date), and I think Linda would like Lindy to be at both meetings (up to you Stan, Lynn).

I'm just passing along what I've heard. You might want to call them and set up the meeting (because others will be affected).

**Please note my new email address: Daniel.R.Smith@worleyparsons.com**

Daniel R. (Dan) Smith, P.E.

Parsons E & C

Phone: (423) 757-8088

633 Chestnut St, Suite 400

Fax: (423) 266-0922

Chattanooga, TN 37932

Cell: (423) 364-1679

Email: Daniel.R.Smith@worleyparsons.com

## Haber, Stanley M

---

**From:** Petty, Harold L.  
**Sent:** Monday, April 18, 2005 10:01 AM  
**To:** Hughes, Michael; Haber, Stanley M.  
**Subject:** FW: Stormwater pond for KIF

Mike and Stan:

Fyi

Lynn

-----Original Message-----

**From:** Smith, Daniel R (Reading) [<mailto:Daniel.R.Smith@worleyparsons.com>]  
**Sent:** Monday, April 18, 2005 9:15 AM  
**To:** Petty, Harold L.  
**Subject:** FW: Stormwater pond for KIF

Should have the SWPPP and dwgs out today.

Dan

-----Original Message-----

**From:** Johnson, Lindy P. [<mailto:lpjohnson@tva.gov>]  
**Sent:** Monday, April 18, 2005 9:12 AM  
**To:** Smith, Daniel R (Reading)  
**Subject:** RE: Stormwater pond for KIF

No problem on my end. Just need the change in vegetative cover to proceed. Thanks.

-----Original Message-----

**From:** Smith, Daniel R (Reading) [<mailto:Daniel.R.Smith@worleyparsons.com>]  
**Sent:** Sunday, April 17, 2005 7:17 PM  
**To:** Johnson, Lindy P.  
**Cc:** Petty, Harold L.  
**Subject:** Stormwater pond for KIF

Lindy, I made one slight change to the pond text. Let me know if you have a problem with this. The TN E&S handbook requires 67 cy/ac for "DRY" storage and the same for wet storage (total of 134 cy/ac). This is about 0.4 ac-ft. Our pond has at least 0.65 ac-ft, so we should be ok. During construction, there will be some temporary storage loss to allow for "wet" storage (about 0.2 ac-ft) in the bottom of the pond.

Let me know if you have any concerns.

- **Pond Construction:** The pond will be excavated to the grades shown on the drawing. The pond, when used during construction, will be sized to detain a volume exceeding a 10-year storm event, and will have an emergency spillway capable of passing the 100-yr event. The permanent pond will be able to detain the 25-yr storm event. In order to construct the pond, the slope of the ash dike adjacent to the pond will be regraded to a 3:1 slope. The soil cover will be stripped and stockpiled for later use. The existing ash dike will form one side of the pond. A pump will be set up to handle storm events before the berm segregating the other pump station is breached. Riprap will be placed on the Swan Pond Embayment side of the runoff pond to act as an emergency spillway. Trees and brush may be cut to facilitate access; however, no work will occur or fill will be placed on the bank below the ordinary high water mark. Geotextile will be temporarily stapled to prevent erosion of the ash, until the pond can be permanently stabilized. A temporary control structure will be installed until the pond can become permanent. This structure will allow construction storm



water to settle out in the pond prior to discharge into Swan Pond Embayment. Conversion of the pond will occur when the construction activities related to ground disturbance have been completed, and the site stabilized.

**Please note my new email address: [Daniel.R.Smith@worleyparsons.com](mailto:Daniel.R.Smith@worleyparsons.com)**

Daniel R. (Dan) Smith, P.E.

Parsons E & C

633 Chestnut St, Suite 400

Chattanooga, TN 37932

Phone: (423) 757-8088

Fax: (423) 266-0922

Cell: (423) 364-1679

Email: [Daniel.R.Smith@worleyparsons.com](mailto:Daniel.R.Smith@worleyparsons.com)

**Haber, Stanley M**

---

**From:** Smith, Daniel R (Reading) [Daniel.R.Smith@worleyparsons.com]  
**Sent:** Wednesday, April 13, 2005 9:51 PM  
**To:** Bowers, Larry C; Campbell, Linda F.; Smith, Amos L; Johnson, Lindy P.; Haber, Stanley M.; Petty, Harold L.  
**Cc:** Hughes, Michael  
**Subject:** RE: New Borrow Area  
**Attachments:** RE: New Borrow Area

See attached - does this look ok?

Dan

-----Original Message-----

**From:** Bowers, Larry C [mailto:lcbowers@tva.gov]  
**Sent:** Wednesday, April 13, 2005 2:24 PM  
**To:** Smith, Daniel R (Reading); Campbell, Linda F.; Smith, Amos L; Johnson, Lindy P.; Haber, Stanley M.; Petty, Harold L.  
**Cc:** Hughes, Michael  
**Subject:** RE: New Borrow Area

Here is the area that Linda and Preacher are proposing.

-----Original Message-----

**From:** Smith, Daniel R [mailto:Daniel.R.Smith@worleyparsons.com]  
**Sent:** Wednesday, April 13, 2005 1:04 PM  
**To:** Bowers, Larry C; Campbell, Linda F.; Smith, Amos L; Johnson, Lindy P.; Haber, Stanley M.; Petty, Harold L.  
**Cc:** Hughes, Michael  
**Subject:** RE: New Borrow Area

I can mark a print and send to ensure I have a correct understanding, or if someone can mark a print and fax to me (see fax no below) I'll get right on it.

**Please note my new email address: Daniel.R.Smith@worleyparsons.com**

Daniel R. (Dan) Smith, P.E.  
Parsons E & C Phone: (423) 757-8088  
633 Chestnut St, Suite 400 Fax: (423) 266-0922  
Chattanooga, TN 37932 Cell: (423) 364-1679 Email:  
Daniel.R.Smith@worleyparsons.com

-----Original Message-----

**From:** Bowers, Larry C [mailto:lcbowers@tva.gov]  
**Sent:** Wednesday, April 13, 2005 12:12 PM  
**To:** Campbell, Linda F.; Smith, Amos L; Johnson, Lindy P.; Haber, Stanley M.; Petty, Harold L.  
**Cc:** Smith, Daniel R; Hughes, Michael  
**Subject:** RE: New Borrow Area

03/14/2009

TVA-00027221

Works for me if Preacher thinks there is available borrow. There should be decent soil there. Mike can you or Dan get Lindy a location map for the SWPP? Let me know if you need help locating the area.

-----Original Message-----

**From:** Campbell, Linda F.

**Sent:** Wednesday, April 13, 2005 12:01 PM

**To:** Bowers, Larry C; Smith, Amos L; Johnson, Lindy P.; Haber, Stanley M.; Petty, Harold L.

**Subject:** New Borrow Area

Hello Everyone,

I'm not sure who all should receive this e-mail, so if I left anyone out please forward this to them. Dewayne Rushing, Jim Settles and I looked at some areas for the new borrow area this morning. I think Jim had a good idea for the location, but I wanted to run this by everyone.

He suggested the wooded area that adjoins the current borrow area down to the road. This would start at the road to the current borrow area and go North to the power line. This is long strip. The trees are not as large or thick as in other areas we have discussed.

Let me know what you think about this area. I hope I have described it well enough so you know where it is located. If not, let me know.

Thanks,  
Linda

\*\*\* WorleyParsons Group Notice \*\*\*

"This email is confidential. If you are not the intended recipient, you must not disclose or use the information contained in it. If you have received this email in error, please notify us immediately by return email and delete the email and any attachments. Any personal views/ opinions expressed by the writer may not necessarily reflect the views/ opinions of the company."

\*\*\* WorleyParsons Group Notice \*\*\*

"This email is confidential. If you are not the intended recipient, you must not disclose or use the information contained in it. If you have received this email in error, please notify us immediately by return email and delete the email and any attachments. Any personal views/ opinions expressed by the writer may not necessarily reflect the views/ opinions of the company."

03/14/2009

TVA-00027222

**Haber, Stanley M**

---

**From:** Blankenship, John [John.Blankenship@worleyparsons.com]  
**Sent:** Wednesday, April 13, 2005 3:16 PM  
**To:** Smith, Daniel R (Reading)  
**Subject:** RE: New Borrow Area  
**Attachments:** SK TAO-0323-Bore02.pdf

**How's this?**

---

**From:** Smith, Daniel R  
**Sent:** Wednesday, April 13, 2005 2:41 PM  
**To:** Blankenship, John (Reading)  
**Subject:** FW: New Borrow Area

John, this is for KIF

please ck this area against the boring drawing to ensure we have at least 5.5 - 6 ac of area. If it meets that criteria, go ahead and show on our drawings for hte dredge cell restoration (TAO-0201).

We might need to add another drawing (use the boring dwg but turn off the borings.

Larry, Mike, Lindy - this is what we will use for the SWPPP unless directed otherwise.

Dan

-----Original Message-----

**From:** Bowers, Larry C [mailto:lcbowers@tva.gov]  
**Sent:** Wednesday, April 13, 2005 2:24 PM  
**To:** Smith, Daniel R (Reading); Campbell, Linda F.; Smith, Amos L; Johnson, Lindy P.; Haber, Stanley M.; Petty, Harold L.  
**Cc:** Hughes, Michael  
**Subject:** RE: New Borrow Area

Here is the area that Linda and Preacher are proposing.

-----Original Message-----

**From:** Smith, Daniel R [mailto:Daniel.R.Smith@worleyparsons.com]  
**Sent:** Wednesday, April 13, 2005 1:04 PM  
**To:** Bowers, Larry C; Campbell, Linda F.; Smith, Amos L; Johnson, Lindy P.; Haber, Stanley M.; Petty, Harold L.  
**Cc:** Hughes, Michael  
**Subject:** RE: New Borrow Area

I can mark a print and send to ensure I have a correct understanding, or if someone can mark a print and fax to me (see fax no below) I'll get right on it.

Please note my new email address: Daniel.R.Smith@worleyparsons.com  
Daniel R. (Dan) Smith, P.E.  
Parsons E & C Phone: (423) 757-8088

03/14/2009

633 Chestnut St, Suite 400 Fax: (423) 266-0922  
Chattanooga, TN 37932 Cell: (423) 364-1679

Email: Daniel.R.Smith@worleyparsons.com

-----Original Message-----

**From:** Bowers, Larry C [mailto:lcbowers@tva.gov]  
**Sent:** Wednesday, April 13, 2005 12:12 PM  
**To:** Campbell, Linda F.; Smith, Amos L; Johnson, Lindy P.; Haber, Stanley M.; Petty, Harold L.  
**Cc:** Smith, Daniel R; Hughes, Michael  
**Subject:** RE: New Borrow Area

Works for me if Preacher thinks there is available borrow. There should be decent soil there. Mike can you or Dan get Lindy a location map for the SWPP? Let me know if you need help locating the area.

-----Original Message-----

**From:** Campbell, Linda F.  
**Sent:** Wednesday, April 13, 2005 12:01 PM  
**To:** Bowers, Larry C; Smith, Amos L; Johnson, Lindy P.; Haber, Stanley M.; Petty, Harold L.  
**Subject:** New Borrow Area

Hello Everyone,  
I'm not sure who all should receive this e-mail, so if I left anyone out please forward this to them. Dewayne Rushing, Jim Settles and I looked at some areas for the new borrow area this morning. I think Jim had a good idea for the location, but I wanted to run this by everyone.

He suggested the wooded area that adjoins the current borrow area down to the road. This would start at the road to the current borrow area and go North to the power line. This is long strip. The trees are not as large or thick as in other areas we have discussed.

Let me know what you think about this area. I hope I have described it well enough so you know where it is located. If not, let me know.

Thanks,  
Linda

\*\*\* WorleyParsons Group Notice \*\*\*

"This email is confidential. If you are not the intended recipient, you must not disclose or use the information contained in it. If you have received this email in error, please notify us immediately by return email and delete the email and any attachments. Any personal views/ opinions expressed by the writer may not necessarily reflect the views/ opinions of the company."

03/14/2009

TVA-00027224



**Haber, Stanley M**

---

**From:** Bowers, Larry C  
**Sent:** Wednesday, April 13, 2005 2:24 PM  
**To:** 'Smith, Daniel R'; Campbell, Linda F.; Smith, Amos L; Johnson, Lindy P.; Haber, Stanley M.; Petty, Harold L.  
**Cc:** Hughes, Michael  
**Subject:** RE: New Borrow Area  
**Attachments:** Proposed KIF Borrow Area.pdf

Here is the area that Linda and Preacher are proposing.

-----Original Message-----

**From:** Smith, Daniel R [mailto:Daniel.R.Smith@worleyparsons.com]  
**Sent:** Wednesday, April 13, 2005 1:04 PM  
**To:** Bowers, Larry C; Campbell, Linda F.; Smith, Amos L; Johnson, Lindy P.; Haber, Stanley M.; Petty, Harold L.  
**Cc:** Hughes, Michael  
**Subject:** RE: New Borrow Area

I can mark a print and send to ensure I have a correct understanding, or if someone can mark a print and fax to me (see fax no below) I'll get right on it.

**Please note my new email address: Daniel.R.Smith@worleyparsons.com**

Daniel R. (Dan) Smith, P.E.  
Parsons E & C Phone: (423) 757-8088  
633 Chestnut St, Suite 400 Fax: (423) 266-0922  
Chattanooga, TN 37932 Cell: (423) 364-1679 Email: Daniel.R.Smith@worleyparsons.com

-----Original Message-----

**From:** Bowers, Larry C [mailto:lcbowers@tva.gov]  
**Sent:** Wednesday, April 13, 2005 12:12 PM  
**To:** Campbell, Linda F.; Smith, Amos L; Johnson, Lindy P.; Haber, Stanley M.; Petty, Harold L.  
**Cc:** Smith, Daniel R; Hughes, Michael  
**Subject:** RE: New Borrow Area

Works for me if Preacher thinks there is available borrow. There should be decent soil there. Mike can you or Dan get Lindy a location map for the SWPP? Let me know if you need help locating the area.

-----Original Message-----

**From:** Campbell, Linda F.  
**Sent:** Wednesday, April 13, 2005 12:01 PM  
**To:** Bowers, Larry C; Smith, Amos L; Johnson, Lindy P.; Haber, Stanley M.; Petty, Harold L.  
**Subject:** New Borrow Area

Hello Everyone,  
I'm not sure who all should receive this e-mail, so if I left anyone out please forward this to them. Dewayne Rushing, Jim Settles and I looked at some areas for the new borrow area this morning. I think Jim had a good idea for the location, but I wanted

03/14/2009

TVA-00027226

to run this by everyone.

He suggested the wooded area that adjoins the current borrow area down to the road. This would start at the road to the current borrow area and go North to the power line. This is long strip. The trees are not as large or thick as in other areas we have discussed.

Let me know what you think about this area. I hope I have described it well enough so you know where it is located. If not, let me know.

Thanks,  
Linda

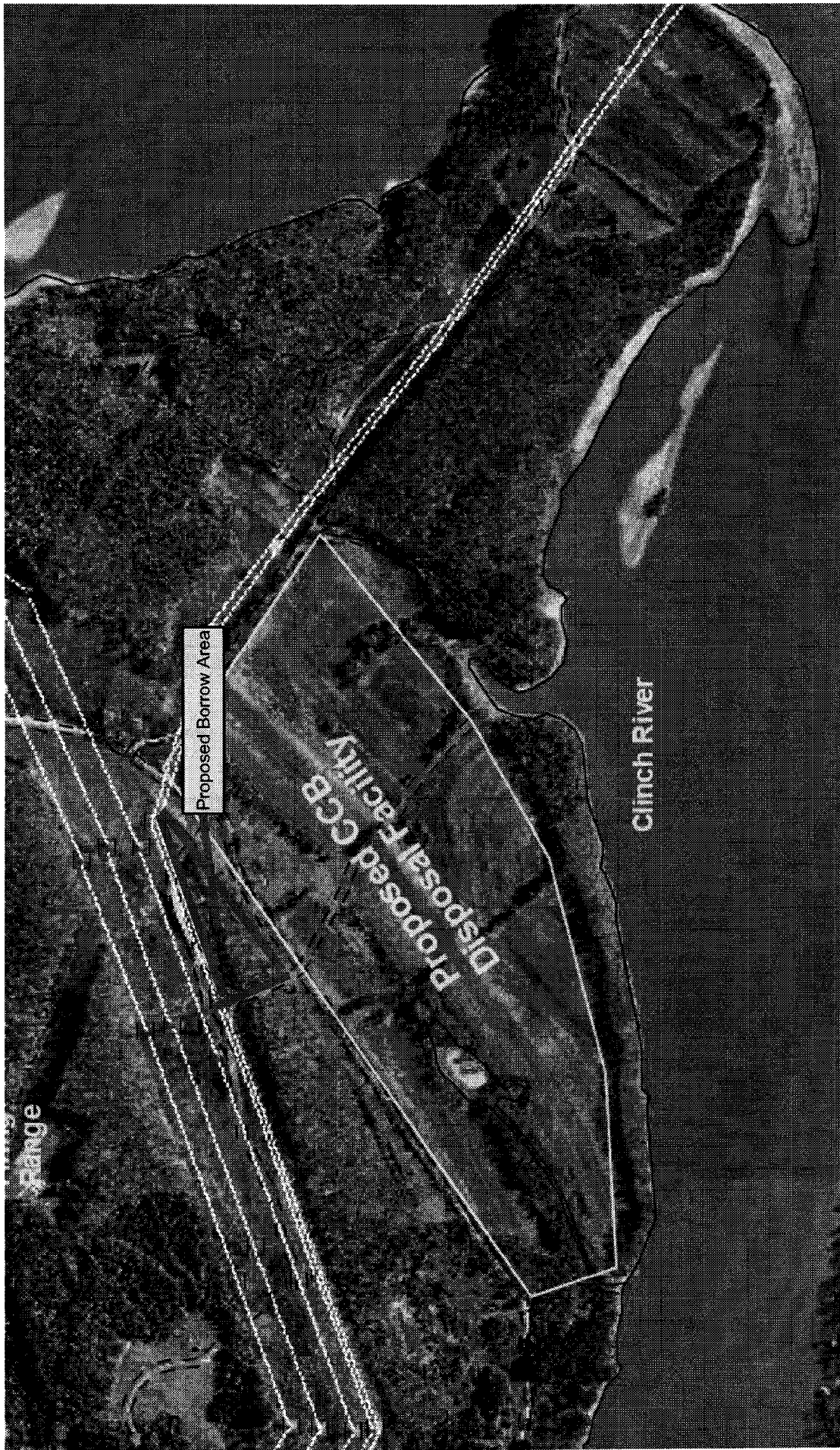
\*\*\* WorleyParsons Group Notice \*\*\*

"This email is confidential. If you are not the intended recipient, you must not disclose or use the information contained in it. If you have received this email in error, please notify us immediately by return email and delete the email and any attachments. Any personal views/ opinions expressed by the writer may not necessarily reflect the views/ opinions of the company."

03/14/2009

TVA-00027227





**Haber, Stanley M**

---

**From:** Smith, Daniel R [Daniel.R.Smith@worleyparsons.com]  
**Sent:** Wednesday, April 13, 2005 1:04 PM  
**To:** Bowers, Larry C; Campbell, Linda F.; Smith, Amos L; Johnson, Lindy P.; Haber, Stanley M.; Petty, Harold L.  
**Cc:** Hughes, Michael  
**Subject:** RE: New Borrow Area

I can mark a print and send to ensure I have a correct understanding, or if someone can mark a print and fax to me (see fax no below) I'll get right on it.

**Please note my new email address: Daniel.R.Smith@worleyparsons.com**

Daniel R. (Dan) Smith, P.E.

Parsons E & C

Phone: (423) 757-8088

633 Chestnut St, Suite 400 Fax: (423) 266-0922

Chattanooga, TN 37932

Cell: (423) 364-1679

Email: Daniel.R.Smith@worleyparsons.com

-----Original Message-----

**From:** Bowers, Larry C [mailto:lcbowers@tva.gov]  
**Sent:** Wednesday, April 13, 2005 12:12 PM  
**To:** Campbell, Linda F.; Smith, Amos L; Johnson, Lindy P.; Haber, Stanley M.; Petty, Harold L.  
**Cc:** Smith, Daniel R; Hughes, Michael  
**Subject:** RE: New Borrow Area

Works for me if Preacher thinks there is available borrow. There should be decent soil there. Mike can you or Dan get Lindy a location map for the SWPP? Let me know if you need help locating the area.

-----Original Message-----

**From:** Campbell, Linda F.  
**Sent:** Wednesday, April 13, 2005 12:01 PM  
**To:** Bowers, Larry C; Smith, Amos L; Johnson, Lindy P.; Haber, Stanley M.; Petty, Harold L.  
**Subject:** New Borrow Area

Hello Everyone,

I'm not sure who all should receive this e-mail, so if I left anyone out please forward this to them. Dewayne Rushing, Jim Settles and I looked at some areas for the new borrow area this morning. I think Jim had a good idea for the location, but I wanted to run this by everyone.

He suggested the wooded area that adjoins the current borrow area down to the road. This would start at the road to the current borrow area and go North to the power line. This is long strip. The trees are not as large or thick as in other areas we have discussed.

Let me know what you think about this area. I hope I have described it well enough so you know where it is located. If not, let me know.

Thanks,  
Linda

03/14/2009

TVA-00027229

\*\*\* WorleyParsons Group Notice \*\*\*

"This email is confidential. If you are not the intended recipient, you must not disclose or use the information contained in it. If you have received this email in error, please notify us immediately by return email and delete the email and any attachments. Any personal views/ opinions expressed by the writer may not necessarily reflect the views/ opinions of the company."

03/14/2009

TVA-00027230

## Haber, Stanley M

---

**From:** Bowers, Larry C  
**Sent:** Wednesday, April 13, 2005 12:12 PM  
**To:** Campbell, Linda F.; Smith, Amos L; Johnson, Lindy P.; Haber, Stanley M.; Petty, Harold L.  
**Cc:** 'Smith, Daniel R'; Hughes, Michael  
**Subject:** RE: New Borrow Area

Works for me if Preacher thinks there is available borrow. There should be decent soil there. Mike can you or Dan get Lindy a location map for the SWPP? Let me know if you need help locating the area.

-----Original Message-----

**From:** Campbell, Linda F.  
**Sent:** Wednesday, April 13, 2005 12:01 PM  
**To:** Bowers, Larry C; Smith, Amos L; Johnson, Lindy P.; Haber, Stanley M.; Petty, Harold L.  
**Subject:** New Borrow Area

Hello Everyone,

I'm not sure who all should receive this e-mail, so if I left anyone out please forward this to them. Dewayne Rushing, Jim Settles and I looked at some areas for the new borrow area this morning. I think Jim had a good idea for the location, but I wanted to run this by everyone.

He suggested the wooded area that adjoins the current borrow area down to the road. This would start at the road to the current borrow area and go North to the power line. This is long strip. The trees are not as large or thick as in other areas we have discussed.

Let me know what you think about this area. I hope I have described it well enough so you know where it is located. If not, let me know.

Thanks,  
Linda

## Haber, Stanley M

---

**From:** Campbell, Linda F.  
**Sent:** Wednesday, April 13, 2005 12:01 PM  
**To:** Bowers, Larry C; Smith, Amos L; Johnson, Lindy P.; Haber, Stanley M.; Petty, Harold L.  
**Subject:** New Borrow Area

Hello Everyone,

I'm not sure who all should receive this e-mail, so if I left anyone out please forward this to them. Dewayne Rushing, Jim Settles and I looked at some areas for the new borrow area this morning. I think Jim had a good idea for the location, but I wanted to run this by everyone.

He suggested the wooded area that adjoins the current borrow area down to the road. This would start at the road to the current borrow area and go North to the power line. This is long strip. The trees are not as large or thick as in other areas we have discussed.

Let me know what you think about this area. I hope I have described it well enough so you know where it is located. If not, let me know.

Thanks,  
Linda

## Haber, Stanley M

---

**From:** Campbell, Linda F.  
**Sent:** Wednesday, April 06, 2005 11:30 AM  
**To:** Deskins, Earl L; Catlett, James H; Haber, Stanley M.; Rushing, F. Dewayne; Settles, James T  
**Subject:** FW: figures for seepage study

**Attachments:** Excerpts from Seep Study Apr 05.ppt

From todays meeting.  
Linda

-----Original Message-----

**From:** Smith, Daniel R [<mailto:Daniel.R.Smith@worleyparsons.com>]  
**Sent:** Wednesday, April 06, 2005 10:14 AM  
**To:** Campbell, Linda F.  
**Subject:** figures for seepage study



Excerpts from Seep  
Study Apr 0...

**Please note my new email address: [Daniel.R.Smith@worleyparsons.com](mailto:Daniel.R.Smith@worleyparsons.com)**

Daniel R. (Dan) Smith, P.E.

Parsons E & C

633 Chestnut St, Suite 400

Chattanooga, TN 37932

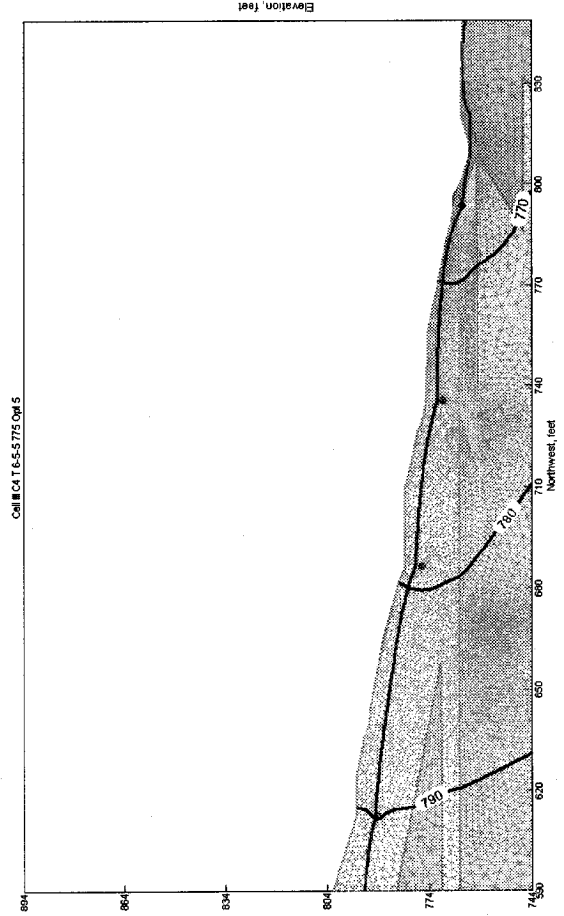
Phone: (423) 757-8088

Fax: (423) 266-0922

Cell: (423) 364-1679

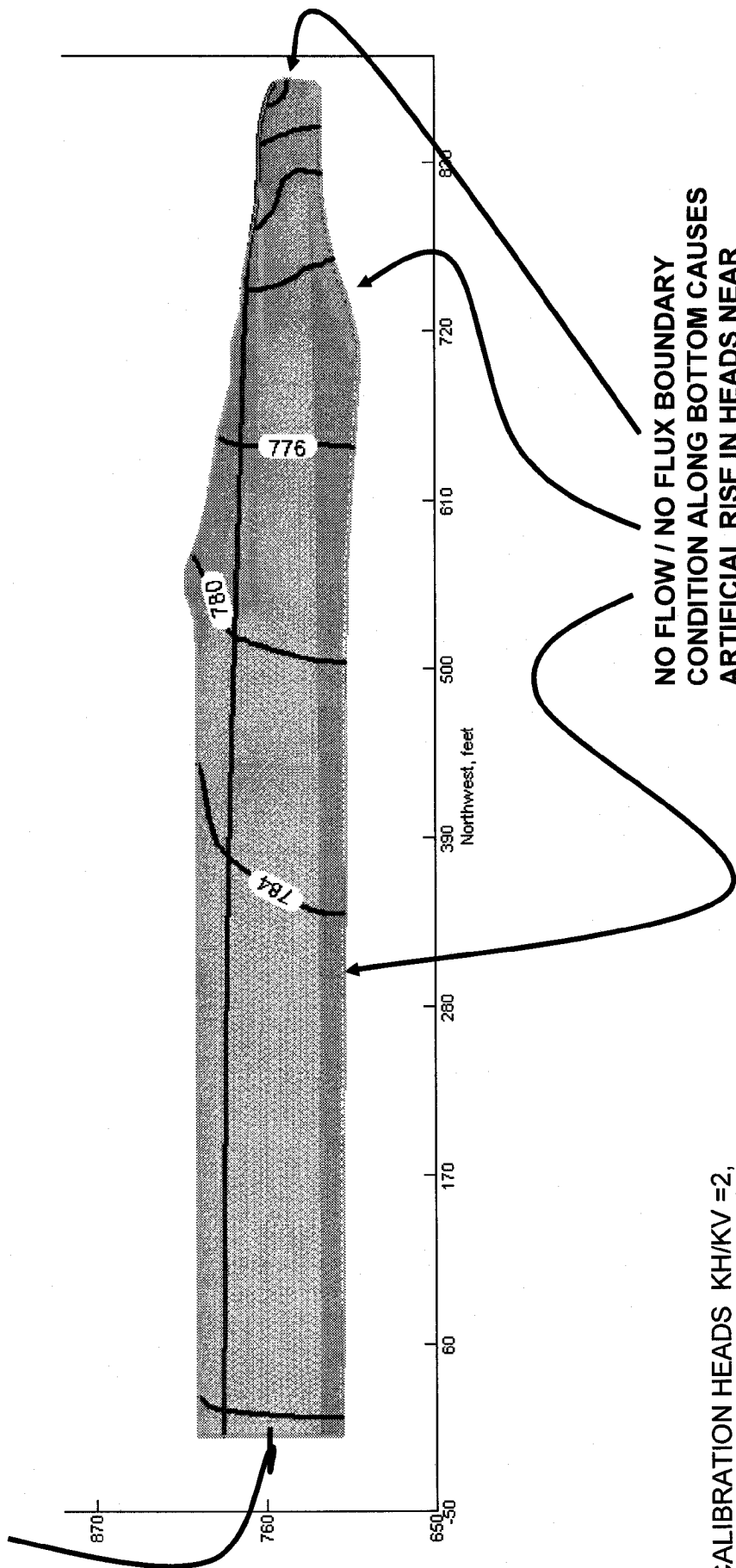
Email: [Daniel.R.Smith@worleyparsons.com](mailto:Daniel.R.Smith@worleyparsons.com)

**FINAL TRENCH AND  
TOE BUTTRESS CONFIGURATION  
FOR DREDGE CELL III  
SWAN POND ROAD  
PARSONS E & C  
APRIL, 2005**



# CASE 1 - CALIBRATION RUN - KINGSTON EXISTING DREDGE CELL III

NO HEAD CHANGE PERIMETER  
BOUNDARY CONDITION - DOES NOT HAVE  
TO BE CONSTANT WITH ELEVATION



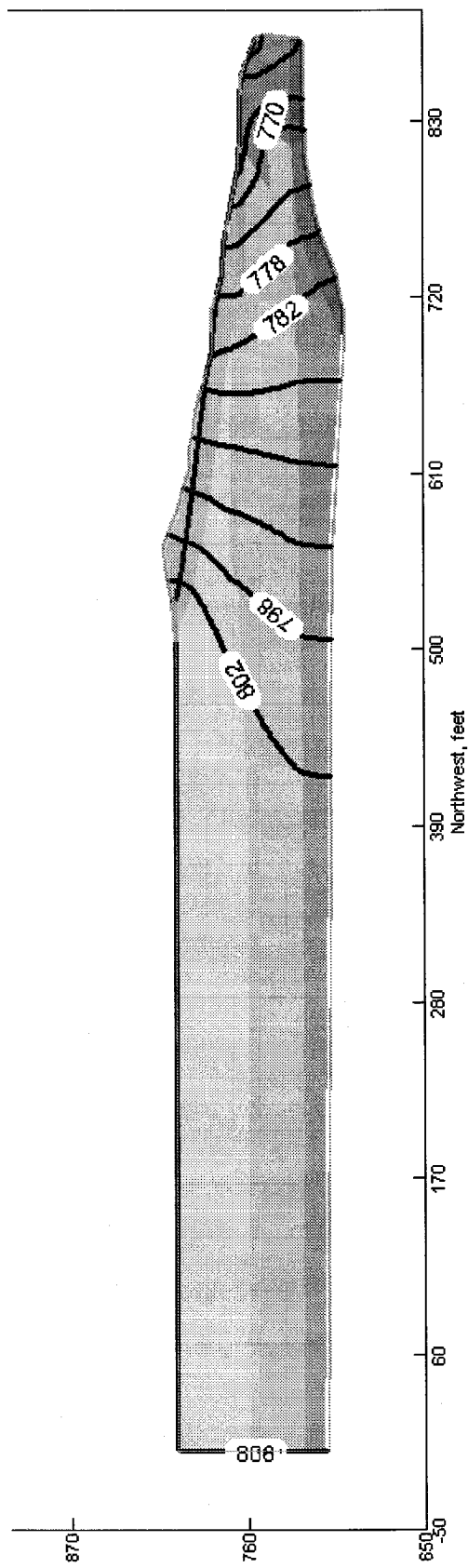
NO FLOW / NO FLUX BOUNDARY  
CONDITION ALONG BOTTOM CAUSES  
ARTIFICIAL RISE IN HEADS NEAR  
ROAD THAT DO NOT EXIST IN FIELD.

CALIBRATION HEADS KH/KV = 2,  
INFILTRATION = 12% SURFACE, 17% SLOPE,  
USED MARK BOGGS VAN G. PARAMETERS FOR KINGSTON ASH

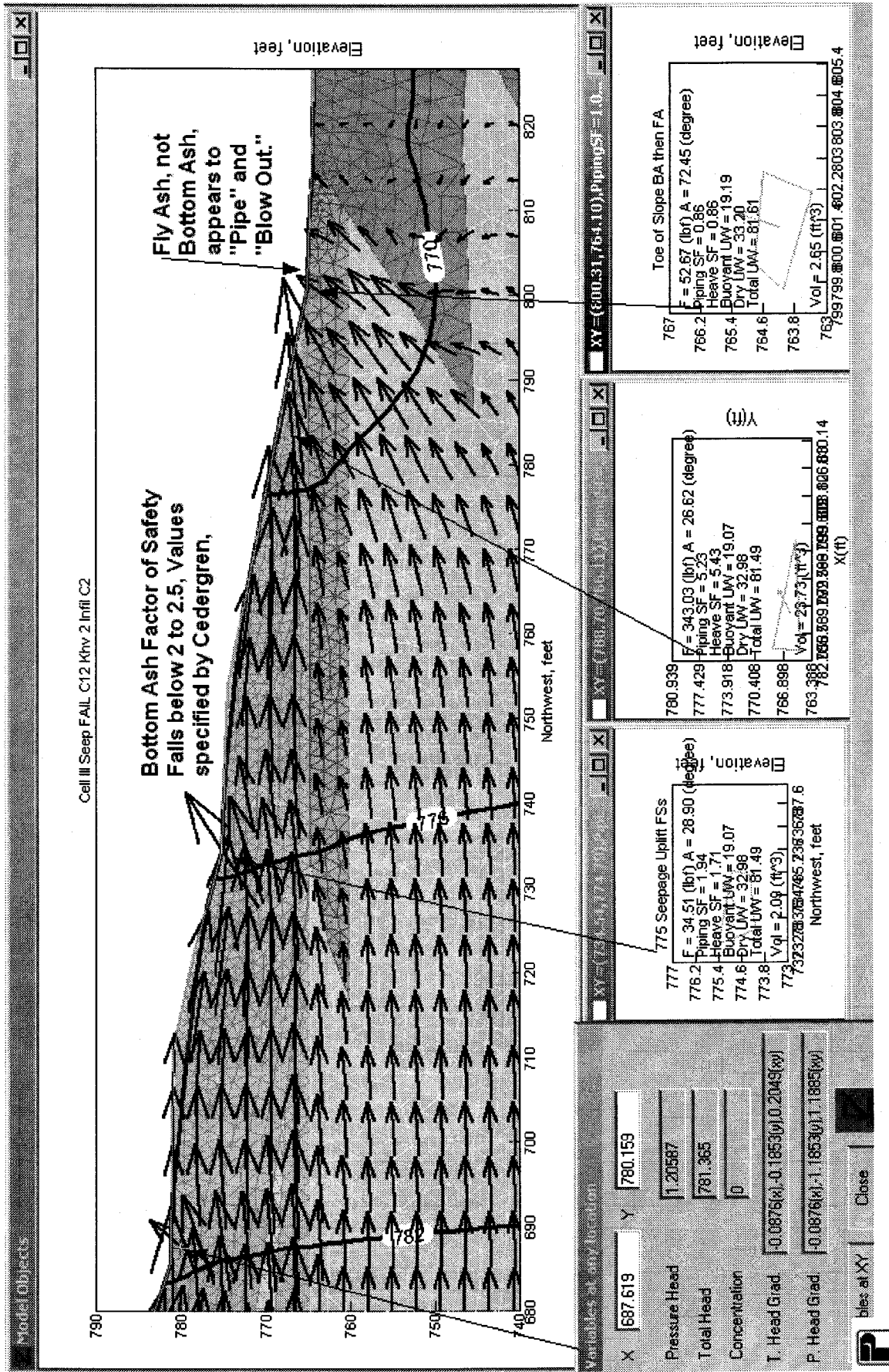




# CASE 2 - "BLOW OUT CONDITION" - KINGSTON DREDGE CELL III

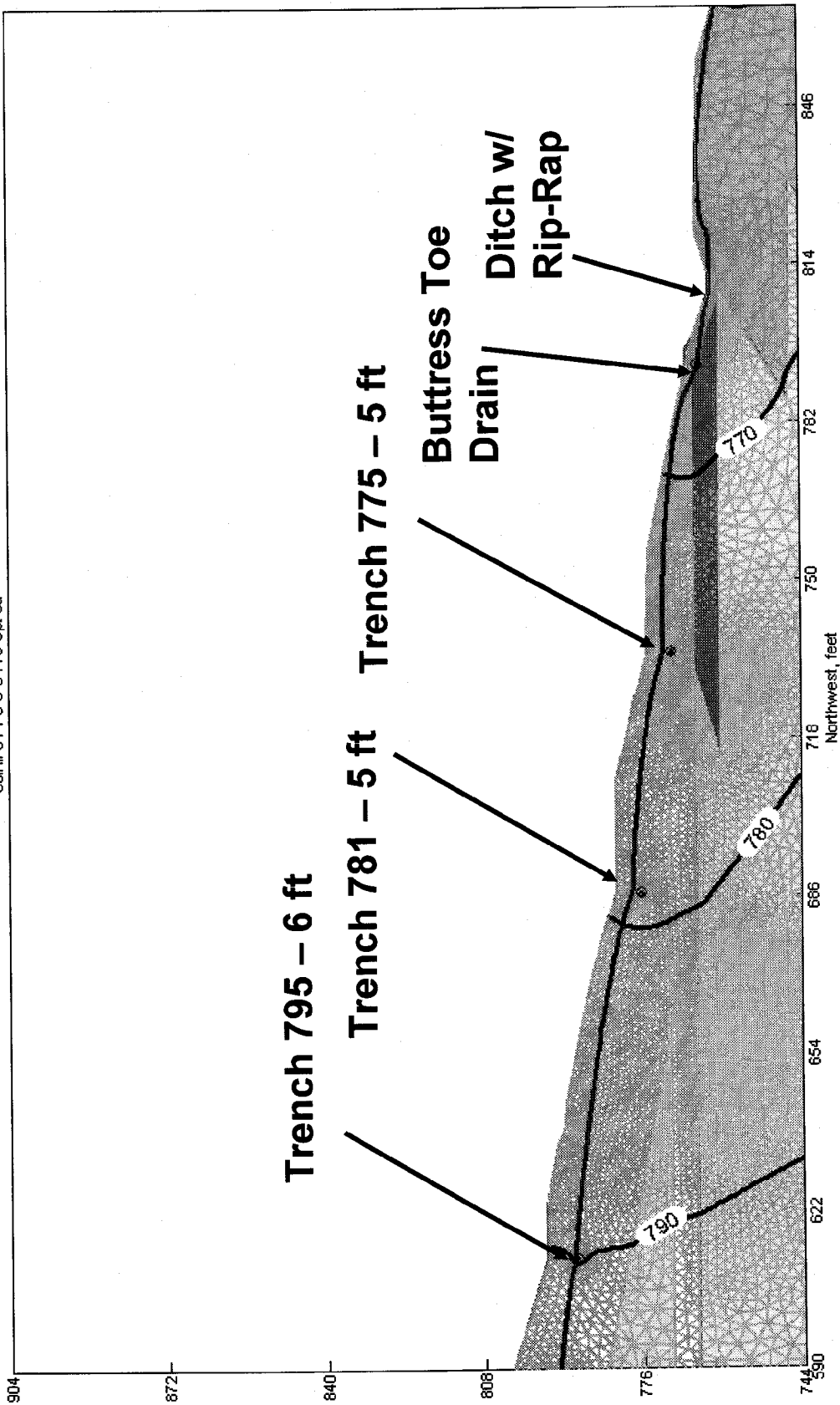


# UPLIFT FS AND FLOW VECTORS



# FINITE ELEMENT MESH NEAR TRENCH, BUTTRESS, AND DITCH AREAS

Cell III C4 T B-5-5775 Opt 5a

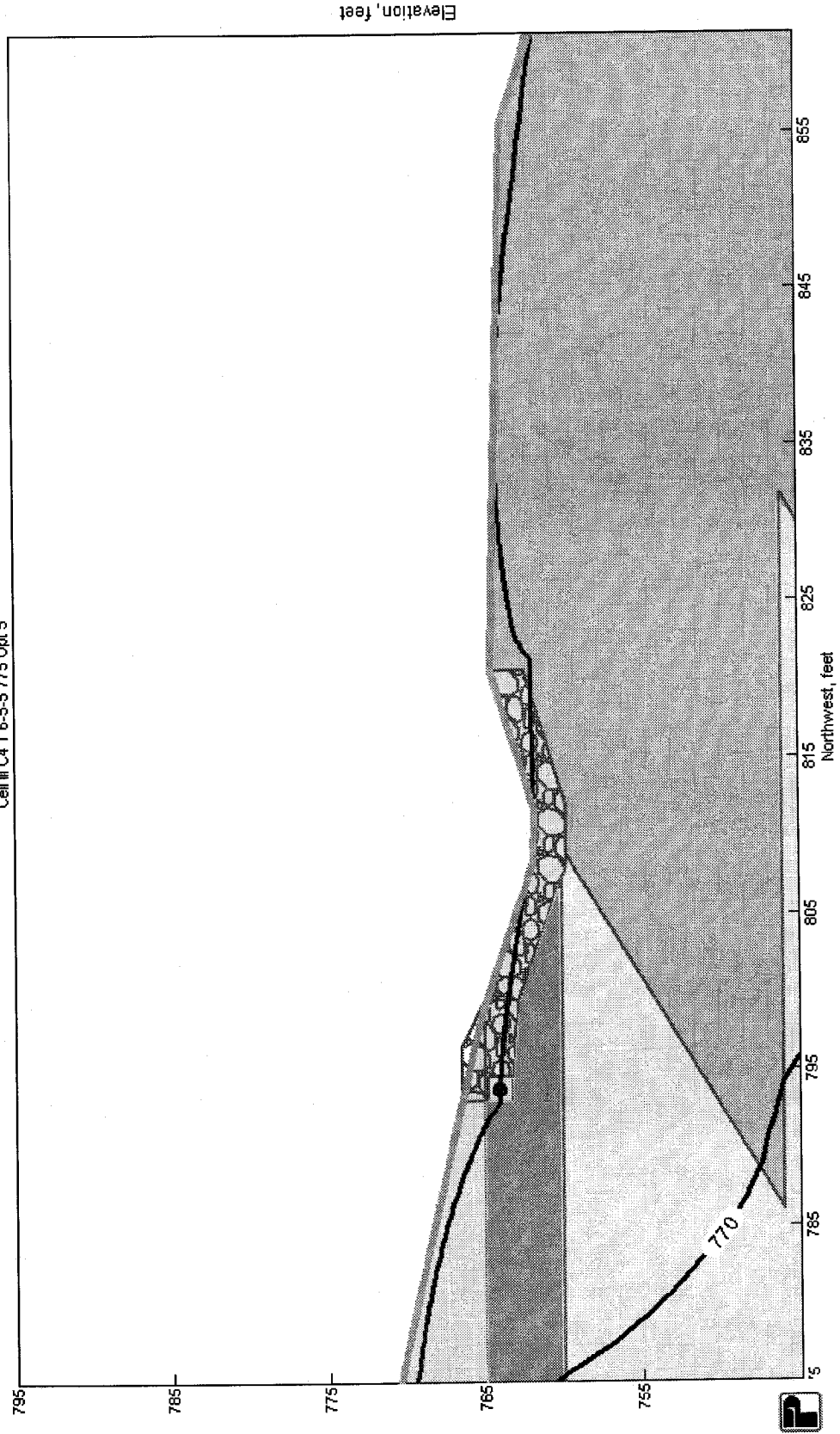


Elevation, feet



# Riprap Design for Buttress and Ditch

Cell III CA T 6-S-5 775 Oct 5



## Haber, Stanley M

---

**From:** Smith, Daniel R [Daniel.R.Smith@worleyparsons.com]  
**Sent:** Monday, April 04, 2005 1:28 PM  
**To:** Hughes, Michael  
**Cc:** Petty, Harold L.; Haber, Stanley M.  
**Subject:** RE: KIF530 Dredge Cell Restoration engineering documents for 10% design review

**Attachments:** RE: KIF530 Dredge Cell Restoration engineering documents for 10% design review



RE: KIF530 Dredge  
Cell Restora...

```
<html>  
<font face="Arial" style="font-size: 8pt;">*** WorleyParsons Group Notice ***  
"This email is confidential. If you are not the intended recipient, you must not disclose  
or use the information contained in it. If you have received this email in error, please  
notify us immediately by return email and delete the email and any attachments. Any  
personal views/ opinions expressed by the writer may not necessarily reflect the views/  
opinions of the company."  
</font>  
</html>
```

## Haber, Stanley M

---

**From:** Smith, Daniel R [Daniel.R.Smith@worleyparsons.com]  
**Sent:** Monday, April 04, 2005 1:28 PM  
**To:** Hughes, Michael  
**Cc:** Petty, Harold L.; Haber, Stanley M.  
**Subject:** RE: KIF530 Dredge Cell Restoration engineering documents for 10% design review

Friday is still an OK day for me to meet at the plant, but I have a Dr. Appt Friday morning, and would like to schedule the meeting for 12 noon or 1 pm, if that is acceptable.

If you want to meet Thursday, let me know.

Thanks

Dan

-----Original Message-----

**From:** Smith, Daniel R  
**Sent:** Monday, April 04, 2005 7:50 AM  
**To:** 'Hughes, Mike'  
**Cc:** 'Petty, H. L.'; 'Haber, Stan'  
**Subject:** KIF530 Dredge Cell Restoration engineering documents for 10% design review

Attached please find drawings and a draft DCN for the 10% design review. I am not sure what the distribution should be; therefore I'm sending it to you so that you can forward to the appropriate parties (today if possible). The schedule that Lynn Petty put together (attached) indicates that the meeting is scheduled for this Thursday April 7th (at the plant I guess).

I would prefer to shedule the meeting a day later if possible due to commitments in Chattanooga on Thursday; however if the meeting must be on Thursday I'll support that. Please advise as soon as the meeting is scheduled.

I have completed the draft SWPPP but need to update the drawings prior to Lindy's review (due to her April 7th). I'll bring copies of the updated drawings and SWPPP to the 10% meeting. The drawings are on the regular title block - we will continue to use that title block until submission to TDEC. Then we'll switch to the DCA title block. << File: KIF-05-1090\_10% Review.pdf >>

<< File: 10W425-21.pdf >> << File: 10W425-81.pdf >> << File: 10W425-82.pdf >> << File: 10W425-83.pdf >> << File: 10W425-84.pdf >> << File: 10W425-85.pdf >> << File: 10W425-86.pdf >> << File: 10W425-87.pdf >> << File: 10W425-88.pdf >> << File: 10W425-89.pdf >>

**Please note my new email address: Daniel.R.Smith@worleyparsons.com**

Daniel R. (Dan) Smith, P.E.

Parsons E & C

633 Chestnut St, Suite 400

Chattanooga, TN 37932

Phone: (423) 757-8088

Fax: (423) 266-0922

Cell: (423) 364-1679

Email: Daniel.R.Smith@worleyparsons.com

## Haber, Stanley M

---

**From:** Smith, Daniel R [Daniel.R.Smith@worleyparsons.com]  
**Sent:** Monday, April 04, 2005 7:50 AM  
**To:** Hughes, Michael  
**Cc:** Petty, Harold L.; Haber, Stanley M.  
**Subject:** KIF530 Dredge Cell Restoration engineering documents for 10% design review

**Attachments:** KIF530 Dredge Cell Restoration engineering documents for 10% design review



KIF530 Dredge Cell  
Restoration...

```
<html>  
<font face="Arial" style="font-size: 8pt;">*** WorleyParsons Group Notice ***  
"This email is confidential. If you are not the intended recipient, you must not disclose  
or use the information contained in it. If you have received this email in error, please  
notify us immediately by return email and delete the email and any attachments. Any  
personal views/ opinions expressed by the writer may not necessarily reflect the views/  
opinions of the company."  
</font>  
</html>
```

## Haber, Stanley M

---

**From:** Smith, Daniel R [Daniel.R.Smith@worleyparsons.com]  
**Sent:** Monday, April 04, 2005 7:50 AM  
**To:** Hughes, Michael  
**Cc:** Petty, Harold L.; Haber, Stanley M.  
**Subject:** KIF530 Dredge Cell Restoration engineering documents for 10% design review

**Attachments:** KIF-05-1090\_10% Review.pdf; 10W425-21.pdf; 10W425-81.pdf; 10W425-82.pdf; 10W425-83.pdf; 10W425-84.pdf; 10W425-85.pdf; 10W425-86.pdf; 10W425-87.pdf; 10W425-88.pdf; 10W425-89.pdf

Attached please find drawings and a draft DCN for the 10% design review. I am not sure what the distribution should be; therefore I'm sending it to you so that you can forward to the appropriate parties (today if possible). The schedule that Lynn Petty put together (attached) indicates that the meeting is scheduled for this Thursday April 7th (at the plant I guess).

I would prefer to shedule the meeting a day later if possible due to commitments in Chattanooga on Thursday; however if the meeting must be on Thursday I'll support that. Please advise as soon as the meeting is scheduled.

I have completed the draft SWPPP but need to update the drawings prior to Lindy's review (due to her April 7th). I'll bring copies of the updated drawings and SWPPP to the 10% meeting. The drawings are on the regular title block - we will



KIF-05-1090\_10%  
Review.pdf (50...

continue to use that title block until submission to TDEC. Then we'll switch to the DCA title block.



10W425-21.pdf  
(243 KB)



10W425-81.pdf  
(922 KB)



10W425-82.pdf  
(408 KB)



10W425-83.pdf  
(395 KB)



10W425-84.pdf  
(514 KB)



10W425-85.pdf  
(459 KB)



10W425-86.pdf  
(181 KB)



10W425-87.pdf  
(169 KB)



10W425-88.pdf (32  
KB)



10W425-89.pdf  
(246 KB)

**Please note my new email address: Daniel.R.Smith@worleyparsons.com**

Daniel R. (Dan) Smith, P.E.

Parsons E & C

633 Chestnut St, Suite 400

Chattanooga, TN 37932

Phone: (423) 757-8088

Fax: (423) 266-0922

Cell: (423) 364-1679

Email: Daniel.R.Smith@worleyparsons.com



TVA/COO		FORM A - DESIGN CHANGE NOTICE				Page 1 of 2	
1. a. DCN Type <input checked="" type="checkbox"/> Base DCN <input type="checkbox"/> PIC for Base/ Parent DCN No.: NA		b. Class Routine Design Change <input checked="" type="checkbox"/> Documentation Only <input type="checkbox"/> Material Equivalency <input type="checkbox"/>		2. DCN No. KIF-05-1090		Rev.	0
				3. Plant/TL/SUB/ Facility KIF			
				Unit/TL/SUB No. 1-9			
		c. Advance Authorization <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		4. System(s) 14			
PART I - REQUESTED CHANGE							
5. Authorizing Documents		KIF530					
6. Requested Change or Problem Statement		The existing ash dike for the dredge cell requires restoration in order to place the dredge cell back into production. (See Block 6 continuation)					
7. Initiator's Name (Print)		Organization		Phone		8. Supervisor/Principal Engr	Date
D.R.Smith		Parsons E&C		(423)757-8088		William Lytle	1/27/05
PART II - INITIATION APPROVAL (Skip blocks 9 and 10 for Advance Authorization Approval)							
9. Reviewed INITIATOR'S DEPARTMENT MANAGER		Date		10. Approved ENGRG/OPERATIONS MANAGER		Date	
PART III - APPROVED CHANGE/DETAILED DESIGN							
11. Approved Change Description		<input type="checkbox"/> Planned at Initiation		<input type="checkbox"/> As issued (If different than planned, line through below and update on continuation sheet.)			
Provide design drawings and details for implementing construction of the restoration of the dredge cell dikes.							
12. Advanced Authorization Approval (If applicable, otherwise mark N/A.)		RE or Manager		Date			
13. Does this change contain any assumptions or constraints that require confirmation before RTO?						<input type="checkbox"/> Yes <input type="checkbox"/> No	
14. Does this change address the full scope of the authorizing document?						<input type="checkbox"/> Yes <input type="checkbox"/> No	
15. RE		Phone		Date		16. Civil Lead	
17. Electrical/I&C Lead		Date		18. Mechanical Lead		Date	
19. Operations		Date		20. Maintenance		Date	
21. System Engineer		Date		22. Implementing Organization		Date	
23. Telecommunications		Date		25. Plant / Site Manager		Date	
24. Engrg or Site Engrg Manager		Date		26. ISSUE EDMS #			
PART IV - DCN CLOSURE							
27. Facility Manager or Engrg Manager		Date		29. CLOSURE EDMS #			
28. RE Signature for DCN Closure		Date					

Mark "N/A" in any blocks not applicable.  
TVA 40872-FPG [07-2004]

TVA/COO		FORM A - DESIGN CHANGE NOTICE		Page 2 of 2
DCN REVISION LOG				
Revision Number	Effective Date	Pages Affected	Description of Revision	
0	05/20/04	ALL	Initial Issue	
DCN CONTINUATION SHEET				
6. Cont'd Requested Change or Problem Statement	New drains will be installed on the dike, including a regraded ditch and riprap lining, installation of geocomposite drainage layer, and a pond with a lift station for routing seepage to the ash pond.			
11. Cont'd Approved Change Description	See Block 11.			
RELATED DCNS REQUIRED TO COMPLETE THIS MODIFICATION				
NA				

**FORM B – MODIFICATION IMPACT REVIEW - ENGINEERING**

1.  DCN or  PIC No. KIF-05-1090 Rev. 0 Parent DCN No. NA (For PIC, else N/A) Page 1 of 1

**PART I – ENGINEERING INPUT TO DCN**

2. PLANT / TL / SUB KIF UNIT(s) 1-9 TL / SUB No. NA  
 3. DESIGN ORGANIZATIONS AFFECTED (One form for each discipline affected.)  
 ELEC  I&C  CIVIL  MECH  TRANSMISSION LINE  TELECOM  SUBSTATION   
 4. DESIGN BASIS DOCUMENTS AFFECTED: NA

**PART II – IMPACT OF COMPLETED DCN**

5. Activities associated with "YES" answers to the following must be addressed in the DCN before issue to support RTO:

	YES	NO
A. ARE PREDECESSOR DCNs / WOs IDENTIFIED?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B. ARE NEW/REVISED PRIMARY/CRITICAL DRAWINGS REQUIRED?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
C. ARE UNVERIFIED ASSUMPTIONS IDENTIFIED?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
D. ARE SPECIAL REQUIREMENTS IDENTIFIED?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
E. ARE POST MOD TEST RESULTS REQUIRED?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
F. ARE RELAY SETTING SHEETS CREATED/REVISED AND IMPLEMENTED?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
G. DO THE CHANGES CONTRIBUTE TO FLOW ACCELERATED CORROSION (FAC)? (FPG Only)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

6. Activities associated with "YES" answers to the following must be addressed in the DCN before issue to support Closure:

A. ARE VENDOR MANUALS AFFECTED?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B. ARE DESIGN CRITERIA / SYSTEM DESCRIPTIONS AFFECTED?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
C. ARE CALCULATIONS / ANALYSES REQUIRED?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
D. ARE OTHER DESIGN OUTPUT DOCUMENTS AFFECTED?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(The impact of this DCN on Engineering is as described above.)

7. IMPACT REVIEW IS COMPLETE	Daniel R. Smith		757-8088	4/4/04
	REVIEWER (PRINT NAME)	SIGNATURE	PHONE	DATE

**PART III – LEVEL I ACTIONS (Required to be complete for RTO.)**

8.

	YES	N/A
A. PREDECESSOR DCNs/ WOs HAVE BEEN RETURNED TO OPERABILITY?	<input type="checkbox"/>	<input type="checkbox"/>
B. HAVE PREVIOUSLY APPROVED (DOCUMENTED ON AA DCNs OR PICs) PRIMARY/CRITICAL DRAWING REDLINES BEEN SUBMITTED TO OPERATIONS AND TAPs WRITTEN?	<input type="checkbox"/>	<input type="checkbox"/>
C. APPLICABLE UNVERIFIED ASSUMPTIONS HAVE BEEN SATISFIED?	<input type="checkbox"/>	<input type="checkbox"/>
D. SPECIAL REQUIREMENTS HAVE BEEN SATISFIED?	<input type="checkbox"/>	<input type="checkbox"/>
E. POST MOD TEST RESULTS HAVE BEEN REVIEWED AND ACCEPTED?	<input type="checkbox"/>	<input type="checkbox"/>
F. RELAY SETTING SHEETS HAVE BEEN CREATED/REVISED AND IMPLEMENTED?	<input type="checkbox"/>	<input type="checkbox"/>
G. HAS THE FAC COORDINATOR REVIEWED AND ACCEPTED CHANGES?	<input type="checkbox"/>	<input type="checkbox"/>

9. ACTIONS REQUIRED FOR RTO ARE COMPLETE				
	REVIEWER (PRINT NAME)	SIGNATURE	PHONE	DATE

**PART IV – LEVEL II ACTIONS (Required to be complete for DCN Closure.)**

10.

	YES	N/A
A. VENDOR MANUALS HAVE BEEN UPDATED AND SUBMITTED TO DOCUMENT CONTROL?	<input type="checkbox"/>	<input type="checkbox"/>
B. DESIGN CRITERIA / SYSTEM DESCRIPTIONS HAVE BEEN REVISED TO INCLUDE CHANGES?	<input type="checkbox"/>	<input type="checkbox"/>
C. CALCULATIONS/ANALYSES HAS BEEN ISSUED?	<input type="checkbox"/>	<input type="checkbox"/>
D. OTHER DESIGN OUTPUT DOCUMENTS UPDATED?	<input type="checkbox"/>	<input type="checkbox"/>
E. AS-BUILT DRAWINGS HAVE BEEN ISSUED AND ENTERED INTO CONTROLLED STORAGE?	<input type="checkbox"/>	<input type="checkbox"/>

11. ACTIONS REQUIRED FOR CLOSURE ARE COMPLETE				
	REVIEWER (PRINT NAME)	SIGNATURE	PHONE	DATE

**FORM B – MODIFICATION IMPACT REVIEW - FOSSIL OPERATIONS**

1.  DCN or  PIC No. KIF-05-1090 Rev. 0 Parent DCN No. NA (For PIC, else N/A) Page 1 of 1

**PART I – OPERATIONS INPUT TO DCN**

2. PLANT KIF UNIT(s) 1-9 3. CONTINUATION PAGES ATTACHED? \_\_\_\_\_
4. OPERATION ORGANIZATIONS AFFECTED: PROCEDURES  LABELING  TRAINING
5. DOES THE REVIEWER HAVE COMMENTS? YES  NO
6. SPECIAL REQUIREMENTS? YES  NO
7. IS AN OPERATIONS TURNOVER WALKDOWN REQUIRED? YES  NO
8. ARE TEMPORARY ALTERATIONS NECESSARY TO IMPLEMENT THE MODIFICATION? YES  NO   
(If YES, describe and give TAP number on continuation page.)

**PART II – IMPACT OF COMPLETED DCN**

9. LIST PROCEDURES, SOPs, INSTRUCTIONS, AND OPERATOR LETTERS REQUIRING CREATION OR REVISION AS A RESULT OF THIS DCN BEFORE RTO. (Pages can be attached as necessary.)  
\_\_\_\_\_
10. LIST PROCEDURES, SOPs, INSTRUCTIONS, AND OPERATOR LETTERS REQUIRING CREATION OR REVISION AS A RESULT OF THIS DCN BEFORE CLOSURE. (Pages can be attached as necessary.)  
\_\_\_\_\_
11. A. ARE PREFIRE PLANS, FIRE SYSTEMS, RTO, OR FIRE ASSESSMENT ITEMS AFFECTED? YES  NO   
(If YES, list on continuation sheet.)
- B. IS TRAINING REQUIRED? (If YES, describe on continuation sheet.) YES  NO
- C. IS PLANT COMPONENT IDENTIFICATION LABELING AFFECTED? YES  NO
- D. ARE PUNCHLIST ITEMS INVOLVED? (Items to be completed after RTO but before Closure.) YES  NO
- (The impact of this DCN on Operations/Maintenance is as described above.)

12. IMPACT REVIEW IS COMPLETE	REVIEWER (PRINT NAME)	SIGNATURE	PHONE	DATE

**PART III – LEVEL I ACTIONS (Required to be complete for RTO.)**

13. A. TRAINING REQUIRED FOR RTO COMPLETE? YES  N/A
- B. PROCEDURES, SOPs, INSTRUCTIONS, & DRAWINGS REQUIRED FOR RTO REVISED TO INCORPORATE REDLINE FIELD CHANGES (I.E., AA PICs)? YES  N/A

14. ACTIONS REQUIRED FOR RTO ARE COMPLETE	REVIEWER (PRINT NAME)	SIGNATURE	PHONE	DATE

**PART IV – LEVEL II ACTIONS (Required to be complete for DCN Closure.)**

15. A. TRAINING REQUIRED FOR CLOSURE COMPLETE? YES  N/A
- B. PLANT COMPONENT IDENTIFICATION LABELING COMPLETE? YES  N/A
- C. PROCEDURES/INSTRUCTIONS/SOPs REQD FOR DCN CLOSURE CREATED/REVISED? YES  N/A
- D. TEMPORARY ALTERATIONS REMOVED OR INCORPORATED INTO CONFIG MGMT? YES  N/A
- E. PUNCHLIST ITEMS COMPLETE? YES  N/A

16. ACTIONS REQUIRED FOR CLOSURE ARE COMPLETE	REVIEWER (PRINT NAME)	SIGNATURE	PHONE	DATE

**FORM B – MODIFICATION IMPACT REVIEW - FOSSIL PLANT MAINTENANCE**

1.  DCN or  PIC No. KIF-05-1090 Rev. 0 Parent DCN No. NA (For PIC, else N/A) Page 1 of 1

**PART I – MAINTENANCE INPUT TO DCN**

2. PLANT KIF UNIT(s) 1-9 3. CONTINUATION PAGES ATTACHED? \_\_\_\_\_  
 4. GROUPS AFFECTED: ELEC  I&C  MECH  (Sheet required for each affected)  
 5. COMMENTS? \_\_\_\_\_ YES  NO   
 6. SPECIAL REQUIREMENTS? \_\_\_\_\_ YES  NO

**PART II – IMPACT OF COMPLETED DCN**

7. LIST PROCEDURES, SOPs, INSTRUCTIONS, AND OPERATOR LETTERS REQUIRING CREATION OR REVISION AS A RESULT OF THIS DCN BEFORE RTO. (Pages can be attached as necessary.)  
 \_\_\_\_\_  
 8. LIST PROCEDURES, SOPs, INSTRUCTIONS, AND OPERATOR LETTERS REQUIRING CREATION OR REVISION AS A RESULT OF THIS DCN BEFORE CLOSURE. (Pages can be attached as necessary.)  
 \_\_\_\_\_  
 9. A. IS TRAINING REQUIRED? (If YES, describe on continuation sheet.) YES  NO   
 B. ARE NEW PREVENTIVE MAINTENANCE (PM) TASKS REQUIRED? YES  NO   
 C. IS REVISION OF A PM TASK REQUIRED? YES  NO   
 D. ARE NEW/REVISED MSDS DATASHEETS REQUIRED? YES  NO   
 E. ARE SPARE PARTS REQUIRED? YES  NO   
 F. HAVE SPARE PARTS BEEN MADE OBSOLETE BY THIS CHANGE? YES  NO

(The impact of this DCN on Operations/Maintenance is as described above.)

10. IMPACT REVIEW IS COMPLETE	REVIEWER (PRINT NAME)	SIGNATURE	PHONE	DATE

**PART III – LEVEL I ACTIONS (Required to be complete for RTO.)**

11. A. PROCEDURES/INSTRUCTIONS REQUIRED FOR RTO REVISED? YES  N/A   
 B. TRAINING REQUIRED FOR RTO COMPLETE? YES  N/A   
 C. SPARE PARTS IN STOCK IN POWER STORES? YES  N/A

12. ACTIONS REQUIRED FOR RTO ARE COMPLETE	REVIEWER (PRINT NAME)	SIGNATURE	PHONE	DATE

**PART IV – LEVEL II ACTIONS (Required to be complete for DCN Closure.)**

13. A. PM REQUIREMENTS IDENTIFIED & INPUT SENT TO PM SCHEDULING & TRACKING? YES  N/A   
 B. PROCEDURES/INSTRUCTIONS/SOPs REQD FOR DCN CLOSURE CREATED/REVISED? YES  N/A   
 C. TRAINING REQUIRED FOR CLOSURE COMPLETE? YES  N/A   
 D. SPARE PARTS IN STOCK IN POWER STORES? YES  N/A   
 E. HAVE OBSOLETE SPARE PARTS BEEN SURPLUSSED? YES  N/A

14. ACTIONS REQUIRED FOR CLOSURE ARE COMPLETE	REVIEWER (PRINT NAME)	SIGNATURE	PHONE	DATE

**FORM B - MODIFICATION IMPACT REVIEW - PLANT SYSTEMS ENGINEER (SE)**

1.  DCN or  PIC No. KIF-05-1090 Rev. 0 Parent DCN No. NA (For PIC, else N/A) Page 1 of 2

**PART I - SYSTEMS ENGINEER INPUT TO DCN**

2. PLANT KIF UNIT(s) 1-9  
 3. SYSTEM(S) AFFECTED: \_\_\_\_\_ (Provide review form for each SE affected.)  
 4. COMMENTS?  Y  N \_\_\_\_\_  
 5. SPECIAL REQUIREMENTS?  YES  NO \_\_\_\_\_  
 6. CHANGE WILL CREATE A DIFFERENCE BETWEEN OPERATING UNITS?  YES  NO \_\_\_\_\_

**PART II - IMPACT OF COMPLETED DCN**

7. LIST PROCEDURES/INSTRUCTIONS REQUIRING CREATION/REVISION BEFORE RTO.  
 (Pages can be attached as necessary.)  
 \_\_\_\_\_  
 8. LIST PROCEDURE/INSTRUCTIONS REQUIRING CREATION/REVISION BEFORE DCN CLOSURE.  
 (Pages can be attached as necessary.)  
 \_\_\_\_\_  
 9. IS TRAINING REQUIRED?  YES  NO  
 10. IS ANY TESTING REQUIRED? (If YES, Post Modification Test.)  YES  NO  
 11. REQUIREMENTS ATTACHED? (Not applicable to Functional Test.)  YES  NO  
 12. DO THE CHANGES CONTRIBUTE TO FLOW ACCELERATED CORROSION (FAC)? (FPG Only)  YES  NO

(The impact of this DCN on areas for which SE is responsible is as described above.)

13. IMPACT REVIEW IS COMPLETE	SE (PRINT NAME)	SIGNATURE	PHONE	DATE

**PART III - LEVEL I ACTIONS (Required to be complete for RTO.)**

14. A. PROCEDURES/INSTRUCTIONS REQUIRED FOR RTO HAVE BEEN CREATED/REVISED. YES  N/A   
 B. RTO TRAINING COMPLETE. YES  N/A   
 C. ANY REQUIRED TESTING HAS BEEN COMPLETED OR PUNCHLISTED. YES  N/A   
 D. HAS THE FAC COORDINATOR REVIEWED AND ACCEPTED CHANGES? YES  N/A

15. ACTIONS REQUIRED FOR RTO ARE COMPLETE	SE (PRINT NAME)	SIGNATURE	PHONE	DATE

**PART IV - LEVEL II ACTIONS (Required to be complete for DCN Closure.)**

16. A. PROCEDURES/INSTRUCTION REQUIRED FOR CLOSURE HAVE BEEN CREATED/REVISED YES  N/A   
 B. TRAINING ACTIONS REQUIRED FOR CLOSURE ARE COMPLETE YES  N/A   
 C. POST MODIFICATION OR FUNCTIONAL TESTING COMPLETED. YES  N/A

17. ACTIONS REQUIRED FOR CLOSURE ARE COMPLETE	SE (PRINT NAME)	SIGNATURE	PHONE	DATE

**1.0 SCOPE**

- A. **SYSTEM(S): 14**
- B. **FEATURE(S): DREDGE CELL DIKE**
- C. **SCOPE DESCRIPTION: RESTORE THE DREDGE CELL. THIS INCLUDES INSTALLING DRAINS IN THE DIKES FOR CELLS 1 & 2, REGRADING THE TOE DRAINAGE DITCHES, PLACING RIPRAP, INSTALLING A POND AND LIFT STATION TO CAPTURE AND ROUTE SEEPAGE FROM THE DREDGE CELL TO THE ASH POND, AND INSTALLING A COMPOSITE GEONET ON THE SLOPE AS SHOWN ON THE REFERENCED DRAWINGS.**
- D. **List existing design criteria document(s) with revision number that cover this modification.**  
N/A

**2.0 DESIGN BASIS**

Provide the following information if it applies to this modification; otherwise mark "N/A".

**NOTE:** If the required information can be found in existing design input documents, give the document number, revision number, and applicable section(s).

- A. **FUNCTIONAL REQUIREMENTS: RESTORE THE DREDGE CELL TO OPERATION BY INSTALLING DRAINS WITHIN THE DIKES FOR CELLS 1 & 2.**
- B. **OSHA REQUIREMENTS:**  
(1) OSHA 29 CFR 1926, SUBPART P - EXCAVATION
- C. **SSC OPERATING ENVIRONMENT: NA**
- D. **ELECTRICAL REQUIREMENTS:**
1. See drawings (to be determined).
  2. Off-site single phase power already exists. Determine whether new transformer is required.
  3. Power source will be rerouted to new lift station.
  4. Existing panel can be relocated and used (pending determination of number of pumps).
- E. **INSTRUMENTATION REQUIREMENTS: NA**
- F. **PROTECTION AND CONTROL REQUIRMENTS: NA**
- G. **MECHANICAL REQUIREMENTS: NA**

- H. CIVIL REQUIREMENTS: (SEE ITEM L, INSTALLATION REQUIREMENTS, AND BELOW:**
1. General Notes shown on 10W425-26 are repeated on Appendix 1 of Form C, Modification Criteria.
  2. See Form D for list of drawings included in the DCN. These constitute the civil requirements.
- I. TELECOMMUNICATIONS REQUIREMENTS: NA**
- J. LOGIC FOR OPERATION: (review by electrical engineering)**
- K. MAINTENANCE: To be assessed later. Pumps will require maintenance.**
- L. INSTALLATION REQUIREMENTS: (See drawings referenced on Form D)**
1. Install erosion controls. All work shall comply with the approved SWPPP.
  2. Exact sequence of construction by Constructor.
  3. Develop borrow area (if needed).
  4. Construct a temporary pond (for stormwater and sediment control). Regrade the slope adjacent to the pond as shown on the drawings, and place one-foot of soil cover and reseed. Spoil excess material within the dredge cell.
  5. Regrade the toe ditches.
  6. Install drains within the Cell 1 & 3 dikes as shown on the drawings.
  7. Strip 1 foot of soil from the slope between the toe ditch and the bench at El 775, and place a geocomposite drainage layer. Replace the soil and reseed.
  8. Install riprap in the toe ditch as shown on the drawings.
- See Appendix 1 to Form C for General Notes from drawing 10W425-26.
- M. HAZARDOUS WASTE REQUIREMENTS: (SEE ITEM B)**  
(Including 29CFR1910.119(1) Management of Change to Highly Hazardous Materials)
- N. NEPA ENVIRONMENTAL REVIEW COMMITMENTS: SEE CEC XXXX.**
1. Perform all work in accordance with the approved SWPPP.
- O. OTHER: NA**  
(e.g., location, security, FME, cleanliness, and Emergency Notification System requirements)

### 3.0 TEST AND INSPECTION REQUIREMENTS

**NOTE:** If the required information can be found in existing TVA general specifications and construction documents, give the document number, revision number, and applicable section(s).

- A. Component Testing (Including any construction checks):**



B. System Testing: (To be determined by Electrical Engineering)

C. In-Service Inspection: To be discussed at 10% review

4.0 OPERABILITY, RELIABILITY, MAINTAINABILITY, & PERFORMANCE ANALYSIS:  
To be discussed at 10% review meeting.

5.0 COMMENTS  
NA

6.0 REFERENCES AND ATTACHMENTS  
A. List of Required Design Input: NA

B. Other References (if required) / Attach IA Summary, sketches, etc.:  
Discuss at 10% review meeting.

7.0 SPECIAL REQUIREMENTS OR UNVERIFIED ASSUMPTIONS (UVA)  
A. Engineering UVA's / Special Requirements: NA  
B. Non-Engineering Special Requirements: NA

**APPENDIX 1 TO FORM C – DCN KIF-05-1090  
GENERAL NOTES – FROM 10W425-26**

1. FOR DRAWING INDEX AND LEGEND, SEE DRAWING 10W425-20.
2. EXISTING TOPOGRAPHY AND SITE FEATURES OBTAINED FROM A SURVEY PERFORMED BY TVA, DATED OCTOBER 2003. SUPPLEMENTAL SURVEYING FOR PHASE 1 EXPANSION WERE PERFORMED MARCH 2004. EXISTING MONITORING WELL LOCATIONS WERE PROVIDED BY TVA. EXISTING ELEVATION CONTOURS ARE SHOWN AT 1-FOOT INTERVALS UNLESS NOTED OTHERWISE. ELEVATION CONTOURS FOR DREDGE CELL EXPANSION ARE SHOWN AT 2-FOOT INTERVALS UNLESS NOTED OTHERWISE.
3. SURVEY COORDINATES ARE REFERENCED TO TENNESSEE STATE PLANE COORDINATE SYSTEM, NAD 27. COORDINATES FOR UTILITY STRUCTURES AND PIPING ARE TO CENTERLINE OF STRUCTURE OR PIPE UNLESS NOTED OTHERWISE.
4. HORIZONTAL AND VERTICAL CONTROL SHALL BE ESTABLISHED BY USING THE EXISTING BENCHMARK LOCATIONS LISTED ON 10W425-20, AND DEPICTED ON THESE DRAWINGS.  
FOR BENCHMARK DESCRIPTIONS, CONTACT TVA MAPPING, 1101 MARKET ST, CHATTANOOGA, TN 37402.
5. THE ASH POND HAS AN EXISTING STILLING BASIN TO PROVIDE SEDIMENTATION CONTROL DURING CONSTRUCTION AND OPERATION. EROSION CONTROL MEASURES (TEMPORARY SILT FENCING, CHECK DAMS) ARE NOT DEPICTED ON THE DRAWINGS BUT MAY BE UTILIZED BY THE CONSTRUCTOR AND OPERATOR TO CONTROL SEDIMENT DISCHARGE TO THE STILLING BASIN.
6. THE CONSTRUCTOR AND OPERATOR SHALL PROVIDE A MEANS TO CONTROL DUST DURING CONSTRUCTION AND OPERATION. CONTROLS MAY INCLUDE THE USE OF WATER TRUCKS, OR COMMERCIALY AVAILABLE APPLIED SPRAY-ON MEMBRANE EROSION CONTROL PRODUCTS.
7. SECTION NUMBERS REFER DIRECTLY TO TVA SPECIFICATION T-1, UNLESS NOTED OTHERWISE.
8. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH TVA SPECIFICATION T-1, AND THE FOLLOWING ASH POND EXPANSION DOCUMENTS: OPERATIONS MANUAL; THE CLOSURE/POST CLOSURE PLAN; AND THE QA/QC PLAN.
9. WHERE ENCOUNTERED, VERIFY AMPLE CLEARANCE UNDER OVERHEAD ELECTRICAL LINES FOR CONSTRUCTION EQUIPMENT. CONSTRUCTOR SHALL NOTIFY CONSTRUCTION MANAGER BEFORE ANY WORK STARTS NEAR OVERHEAD ELECTRICAL LINES.
10. THE CONSTRUCTOR IS HEREBY ADVISED THAT THERE MAY UNDERGROUND UTILITIES PRESENT AT THIS SITE WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONSTRUCTOR SHALL LOCATE AND VERIFY EXISTING UNDERGROUND UTILITIES THAT MAY NOT BE SHOWN ON THIS DRAWING THAT ARE WITHIN ANY AREA TO BE DISTURBED. THE CONSTRUCTOR SHALL VERIFY THAT ANY UNDERGROUND ELECTRICAL UTILITIES ARE LOCKED OUT/TAGGED OUT AND ARE NOT ACTIVATED PRIOR TO REMOVAL.
11. CONSTRUCTOR SHALL EXERCISE CARE TO PREVENT DAMAGE TO EXISTING MONITORING WELLS AND/OR EXISTING STRUCTURES.
12. DISPOSAL OF DEMOLISHED ITEMS SUCH AS EXISTING STORM SEWER PIPING OR OTHER MISCELLANEOUS ITEMS SHALL BE AS DIRECTED BY TVA.
13. FOR CONSTRUCTION OF THE PHASE 2 BASE AND STARTER DIKE SEE ON DRAWING 10W425-65 AND THE QA/QC PLAN.
14. ELEVATION CONTOURS SHOWN ON THE OUTER SLOPES OF THE PHASE 2 AND 3 EXPANSION ARE FINISHED GRADE.
15. ELEVATIONS SHOWN INSIDE THE PHASE 2 AND 3 STARTER DIKES ARE TO TOP OF THE FLY ASH BASE AS SHOWN ON TYPICAL CROSS SECTION SHOWN ON 10W425-65.

# DOCUMENT REQUEST FORM / DCN FORM D

- These drawings are included in DCN # KIF-05-1090 Rev 0
- These drawings are included in PDL # \_\_\_\_\_ Rev \_\_\_\_\_
- These drawings are not associated with a DCN or PDL # of Drawings: \_\_\_\_\_

PLANT: KIF UNIT(s): 1-9

Project Title/Description: ASH POND DREDGE CELL WEIR REPLACEMENT

PCN or W/O Number: KIF530 IBS Engineering Short Code Number: 001DQYN

Project Eng. (PE) or Program Manager: Stan Haber Address: LP-2 Phone: 751-3838

### Drawings Prepared By:

TVA _____	T _____	VOITH _____	V _____
PARSONS _____	P _____	Other _____	
MESA _____	M _____		
ALSTOM _____	A _____		

If drawings are prepared by an outside A/E, please mark code accordingly.

Engineer: D.R. Smith Address: RC-4 AC Phone: 757-8088

Section Supervisor: H.L. Petty Address: LP-2 Phone: 751-6704

Comments / Special Filing Instructions: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

#### SUPERVISOR: COMPLETE THIS SECTION FOR ISSUE OF TVA DRAWINGS

All electronic drawing files for this issue are in folders on J:Drive (\chachagip6\p6g\_working\_dcn\KIF\DCN\_KIF-05-1090 R0)

This package is released for the Issue Process. The package contains all drawings listed and electronic files have been placed on the file server.

\_\_\_\_\_  
 Supervisor Signature Date

#### CONTRACT ADMIN: COMPLETE THIS SECTION FOR RELEASE OF VENDOR DRAWINGS

All electronic drawing files for this release are in J:Drive (\chachagip6\p6g\_working\_dcn\KIF\DCN\_KIF-05-1090 R0)

Hardcopies of drawings / documents are provided for scanning where electronic files aren't available.

See special filing instructions for listed items which are NOT to be inserted into the AutoManager system.

\_\_\_\_\_  
 Signature Date Phone

#### FOR RECORDS USE ONLY

Tracking No. \_\_\_\_\_

Date AutoCad Files Received: \_\_\_\_\_ / \_\_\_\_\_

Date Drawings Cleared: \_\_\_\_\_ / \_\_\_\_\_

Date Drawings Mailed : \_\_\_\_\_ / \_\_\_\_\_

CC:  
 Section Supervisor, address above, Copy of Completed release Sheet and Drawing List (With all DATES)  
 Project Engineer, address above, Copy of Completed Release Sheet and Drawing List (With all DATES)  
 Program Manager, address above, Copy of Completed Release Sheet and Drawing list (With all DATES)

ENG. RECORDS USE ONLY: Ticket#:

# DOCUMENT REQUEST FORM / DCN FORM D

PDL#:  
DCN#: **KIF-05-1090** (Plant Year Seq)  
Rev: **0**  
UNIT(s): **1-9**  
PCN/WO#: **KIF530**

Rev Codes (Dwgs Only)		Doc Codes			DCN REVISION				
<b>A</b> = Test Related <b>B</b> = Design/Eng. Errors <b>C</b> = Vendor Caused <b>D</b> = Planned Project Initial Issues <b>E</b> = Construction Deviation <b>F</b> = Unplanned Scope Changes <b>G</b> = Configuration Different <b>H</b> = Drawing Restoration Only <b>J</b> = As Built	<b>A</b> = Architectural Dwgs <b>C</b> = Civil Dwgs <b>E</b> = Electrical Dwgs <b>M</b> = Mechanical Dwgs <b>I</b> = Instrumentation Dwgs <b>P</b> = Protection & Control Dwgs <b>T</b> = Telecomm Dwgs <b>S</b> = Sketches	<b>BOM</b> = Bill of Materials <b>REF</b> = Reference Dwgs <b>V</b> = Vendor Dwgs <b>CN</b> = Calculations <b>SP</b> = Specifications <b>RPT</b> = Reports <b>ENV</b> = Environmental Docs <b>PRM</b> = Permits	<b>BOM</b> = Bill of Materials <b>REF</b> = Reference Dwgs <b>V</b> = Vendor Dwgs <b>CN</b> = Calculations <b>SP</b> = Specifications <b>RPT</b> = Reports <b>ENV</b> = Environmental Docs <b>PRM</b> = Permits	(Modify as needed)	(Modify as needed)				
Format	Rev	Code	Sht	Rev	Contract No.	Doc Code	Title	ERU	Instructions
ACAD	D		10W425-21				PHASE 1 DREDGE CELL LATERAL EXPANSION DEVELOPMENT PLAN SHEET 1	X	X
ACAD	D		10W425-81				ASH DISPOSAL AREA LATERAL EXPANSION WEIR & SKIMMER DETAILS	X	X
ACAD	D		10W425-82				DREDGE CELL WEIR REPLACEMENT OVERALL PLAN	X	X
ACAD	D		10W425-83				DREDGE CELL WEIR REPLACEMENT INITIAL DIKE LAYOUT	X	X
ACAD	D		10W425-84				DREDGE CELL WEIR REPLACEMENT FINAL DIKE & WEIR LAYOUT	X	X
ACAD	D		10W425-85				DREDGE CELL WEIR REPLACEMENT CROSS SECTIONS AND DETAILS	X	X
ACAD	D		10W425-86				DREDGE CELL DIKE RESTORATION SECTIONS SHEET 1	X	X
ACAD	D		10W425-87				DREDGE CELL DIKE RESTORATION SECTIONS SHEET 2	X	X
ACAD	D		10W425-88				DREDGE CELL DIKE RESTORATION SECTIONS SHEET 3	X	X
ACAD	D		10W425-89				DREDGE CELL DIKE RESTORATION DETAILS SHEET 1	X	X

ENG. RECORDS USE ONLY: Ticket#:

# DOCUMENT REQUEST FORM / DCN FORM D

PDL#:  
 DCN#: KIF-05-1090     UNIT(s): 1-9  
 (Plant Year Seq)  
 Rev. 0     PCN/WO#: KIF530

Rev Codes (Dwgs Only)				Doc Codes				DCN REVISION				
A = Test Related B = Design/Eng. Errors C = Vendor Caused D = Planned Project Initial Issues E = Construction Deviation Format ACAD = AutoCAD H.C. = Hard Copy CAL = Image File Rev (Please sort docs per Instructions Tab)		F = Unplanned Scope Changes G = Configuration Different H = Drawing Restoration Only J = As Built TIF = Image File XLS = Excel File = Other		BOM = Bill of Materials REF = Reference Dwgs V = Vendor Dwgs CN = Calculations SP = Specifications RPT = Reports ENW = Environmental Docs PRM = Permits		(Modify as needed) (Modify as needed) (Modify as needed) Put in DCN Folder Issue						
Format	Code	Dwg/Doc No.	Sht	Rev	Contract No.	Doc Code	Title	ERU Instructions				

### Alternate Form D - DCN Package Document List (PDL) for DCAs and ESKs

**DCN NUMBER**

KIF-05-1090

**REV.** 0

**Unit(s)** 1 thru 9

A = Architectural Drawings  
 C = Civil Drawings  
 E = Electrical Drawings  
 M = Mechanical Drawings  
 I = Instrumentation Drawings  
 P = Protective & Controls Drawings

T = Telecommunication Drawings  
 S = Sketch  
 BOM = Bill of Materials  
 RPT = Report  
 V = Vendor Documents  
 CN = Calculation

SP = Specification  
 REF = Reference Documents not included in the DCN package  
 ENV = Environmental Documents  
 PRM = Permit  
 O = Other

Code	* Document/DCA/ESK	Rev	Base Drawing	Sheet	Rev	**	Cat	Contract No.	Title or Description
C			10W425-21		0				DREDGE CELL LATERAL EXPANSION SITE LOCATION PLAN
C			10W425-81		0				DREDGE CELL RESTORATION LAYOUT AND PARTIAL PLANS
C			10W425-82		0				DREDGE CELL DIKE RESTORATION PLAN SHEET 1
C			10W425-83		0				DREDGE CELL DIKE RESTORATION PLAN SHEET 2
C			10W424-84		0				DREDGE CELL DIKE RESTORATION PLAN SHEET 3
C			10W425-85		0				DREDGE CELL DIKE RESTORATION PLAN SHEET 4
C			10W425-86		0				DREDGE CELL DIKE RESTORATION SECTIONS SHEET 1
C			10W425-87		0				DREDGE CELL DIKE RESTORATION SECTIONS SHEET 2
C			10W425-88		0				DREDGE CELL DIKE RESTORATION SECTIONS SHEET 3
C			10W425-89		0				DREDGE CELL DIKE RESTORATION DETAILS SHEET 1

\* Mark a check beside documents included in the DCN package. Other documents maintained in a controlled storage system shall be referenced by a retrievable document or EMDs number.  
 \*\* Check mark if anticipated drawing.

### Alternate Form D - DCN Package Document List (PDL) for DCAs and ESKs

Code *	Document/DCA/ESK	Rev	Base Drawing	Sheet	Rev **	Cat	Contract No.	Title or Description

\* Mark a check beside documents included in the DCN package. Other documents maintained in a controlled storage system shall be referenced by a retrievable document or EMDS number.  
 \*\* Check mark if anticipated drawing.

**FORM E – COMPONENT UNID DATA SHEET**

NOTE: A listing (e.g., from a database) with similar data may be used in lieu of this form.

1. DCN No. KIF-05-1090 Rev. 0 Page 1 of 1  
 2. PLANT/TL/SUB KIF UNIT(s) 1-9 TL/SUB No. \_\_\_\_\_

<b>Component Data</b> (Use additional sheets as needed)	Action (Check one)			
	New UNID	Delete UNID	Modify UNID	Rename UNID

3. EMPAC UNID (e.g., plant-unit-function-system-loc ID-seq. no.): <u>NA</u> 4. Renamed UNID: _____  5. Component Location (e.g., For plants: plant, unit, system, building, elevation, column lines; For Transmission: plant, unit, system, loc ID, seq. no., GPS coordinates or phase location, etc.): _____  6. UNID English Description: _____  7. Drawing Number: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
---	--------------------------	--------------------------	--------------------------	--------------------------

3. EMPAC UNID (e.g., plant-unit-function-system-loc ID-seq. no.): _____ 4. Renamed UNID: _____  5. Component Location (e.g., For plants: plant, unit, system, building, elevation, column lines; For Transmission: plant, unit, system, loc ID, seq. no., GPS coordinates or phase location, etc.): _____  6. UNID English Description: _____  7. Drawing Number: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--	--------------------------	--------------------------	--------------------------	--------------------------

Prepared: _____	Date: _____
Checked: _____	Date: _____



**FORM F - MODIFICATION TURNOVER PACKAGE DATA SHEET**

1. DCN No. KIF-05-1090 Rev. 0 Page 1 of 1

**PART I - SCOPE / DESCRIPTION**

2. PLANT/TL/SUB KIF UNIT(s) 1-9 TL/SUB No. NA  
 3. SSC INVOLVED NA SYSTEM 14 UNID NA  
 4. TURNOVER PACKAGE SCOPE/DESCRIPTION (If less than full scope is turned over, indicate the scope included. Include additional data sheets as necessary for other partial scopes until the full scope is turned over.)

**PART II - ACTIONS REQUIRED FOR RETURN TO OPERABILITY (RTO)**

		YES	N/A
5.	A. ALL IMPACT ITEMS REQUIRED FOR RTO, AS IDENTIFIED ON IMPACT REVIEW FORMS, HAVE BEEN COMPLETED. COPIES OF IMPACT REVIEW FORMS ARE ATTACHED.	<input type="checkbox"/>	<input type="checkbox"/>
	B. ALL LEVEL I ACTIONS, AS IDENTIFIED ON THE IMPACT REVIEW FORMS, IF APPLICABLE, HAVE BEEN COMPLETED. (REQUIRED FOR FIELD WORK DCNS ONLY)	<input type="checkbox"/>	<input type="checkbox"/>
	C. WORK ORDER IMPLEMENTATION VERIFIED COMPLETE. (REQUIRED FOR FIELD WORK DCNS ONLY) VERIFIED BY IMPLEMENTING ORG.: _____	<input type="checkbox"/>	<input type="checkbox"/>
	D. SPECIAL REQUIREMENTS IMPLEMENTED.	<input type="checkbox"/>	<input type="checkbox"/>
	E. POST-MOD TESTING, IF REQUIRED, WAS COMPLETED AND EVALUATED.	<input type="checkbox"/>	<input type="checkbox"/>
6.	SPECIAL CONDITIONS, IF APPLICABLE:		
7.	BASED ON A REVIEW OF THE ABOVE DOCUMENTS, RTO OF THE SYSTEM AFFECTED BY THIS DCN IS RECOMMENDED. (N/A IF DOC ONLY DCN.)	<input type="checkbox"/>	<input type="checkbox"/>

RE-SE	DATE	RE-SE- SUPV	DATE	OPERATIONS	DATE
-------	------	-------------	------	------------	------

**PART III - ACTIONS REQUIRED FOR DCN CLOSURE**

		YES	N/A
8.	ALL IMPACT ITEMS REQUIRED FOR DCN CLOSURE HAVE BEEN COMPLETED. ALL LEVEL II ITEMS HAVE BEEN COMPLETED.	<input type="checkbox"/>	<input type="checkbox"/>
9.	BASED ON REVIEW OF THE ABOVE DOCUMENTS, CLOSURE OF THIS DCN IS RECOMMENDED.	<input type="checkbox"/>	<input type="checkbox"/>

RE	DATE	RE SUPV	DATE
----	------	---------	------

**FORM G – ADVANCE AUTHORIZED TRACKING SHEET**

Parent DCN Number KIF-05-1090

PIC Number \_\_\_\_\_ (Enter one number per sheet)

AA-01 Issue Date	_____	Initiator	_____	_____
			Signature	Date
AA-02 Issue Date	_____	Initiator	_____	_____
			Signature	Date
AA-03 Issue Date	_____	Initiator	_____	_____
			Signature	Date
AA-04 Issue Date	_____	Initiator	_____	_____
			Signature	Date
AA-05 Issue Date	_____	Initiator	_____	_____
			Signature	Date
AA-06 Issue Date	_____	Initiator	_____	_____
			Signature	Date
AA-07 Issue Date	_____	Initiator	_____	_____
			Signature	Date
AA-08 Issue Date	_____	Initiator	_____	_____
			Signature	Date
AA-09 Issue Date	_____	Initiator	_____	_____
			Signature	Date
AA-10 Issue Date	_____	Initiator	_____	_____
			Signature	Date
AA-11 Issue Date	_____	Initiator	_____	_____
			Signature	Date
AA-12 Issue Date	_____	Initiator	_____	_____
			Signature	Date
AA-13 Issue Date	_____	Initiator	_____	_____
			Signature	Date
AA-14 Issue Date	_____	Initiator	_____	_____
			Signature	Date

**NOTE:** If additional AAs are needed, additional tracking sheets may be added with the AA level numbers above increased accordingly. Any unused AA lines should be lined through with a diagonal line and marked "N/A."

Last AA issued before requesting final approval \_\_\_\_\_

Final approval requested \_\_\_\_\_ Date \_\_\_\_\_ Initiator \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

**FORM G – ADVANCE AUTHORIZED TRACKING SHEET**

AA- \_\_\_\_\_ PIC# \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

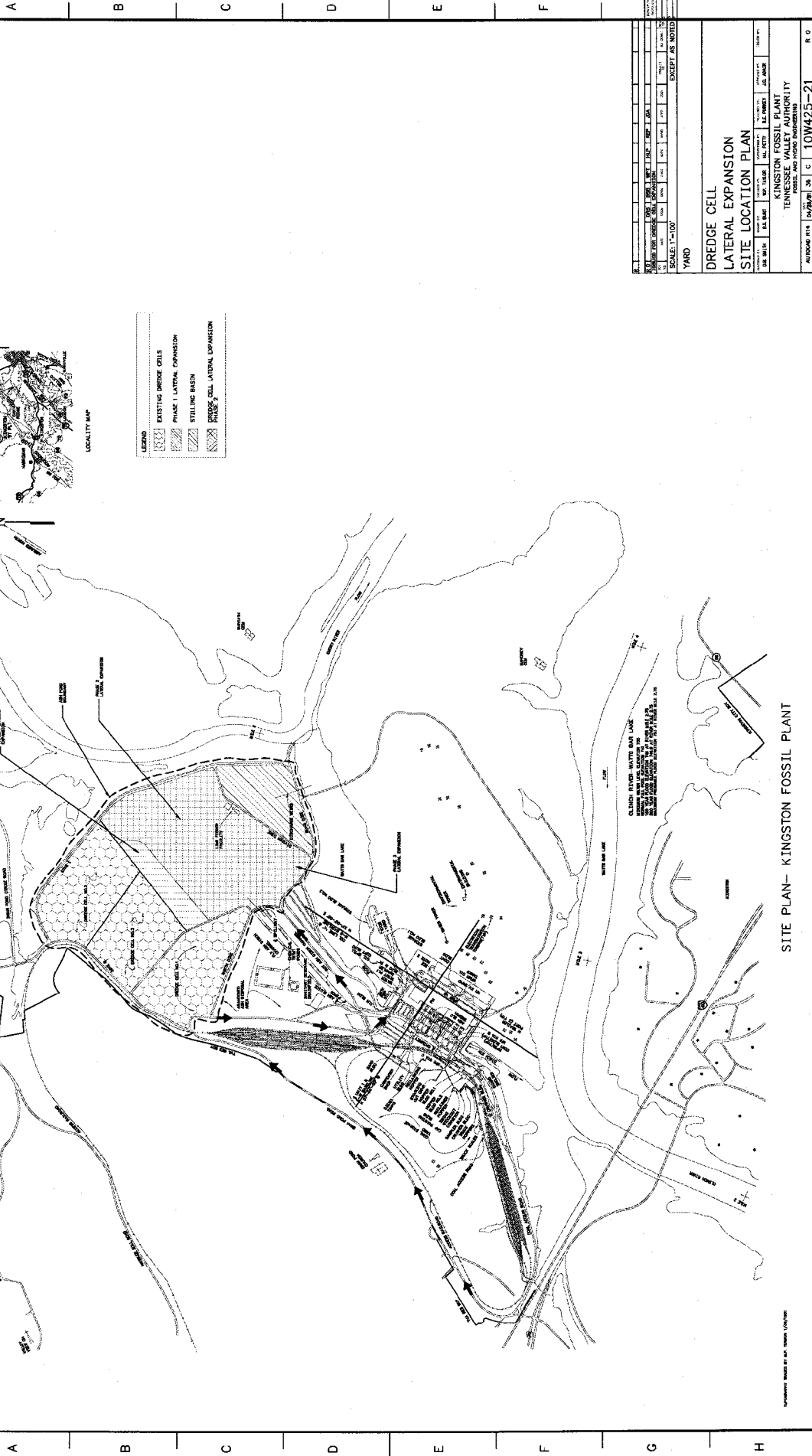
**Block 6 - Requested Change**

**Block 11 - Approved Change**

Supv/Prin Egnr: \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_ RE: \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

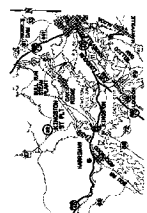
36 C 10W425-21

12 11 10 9 8 7 6 5 4 3 2 1



**LEGEND**

- EXISTING DREDGE CELLS
- PHASE 1 LATERAL EXPANSION
- STILLING BASIN
- DREDGE CELL LATERAL EXPANSION



EXPLANATION: MADE BY G.S. SMITH, 1/27/68

SITE PLAN- KINGSTON FOSSIL PLANT

DATE	10/27/68	BY	G.S. SMITH	SCALE	1"=100'	PROJECT	YARD
NO.	1	REV.					
EXCEPT AS NOTED							
<p><b>DREDGE CELL LATERAL EXPANSION SITE LOCATION PLAN</b></p>							
<p>KINGSTON FOSSIL PLANT TENNESSEE VALLEY AUTHORITY FOSSIL AND WASTE RESEARCH DIVISION</p>							
AUTODRAW NO.	10/27/68	SCALE	1"=100'	PROJECT	YARD	PLANT	10W425-21
R.O.	DO NOT ALTER MANUALLY						

THIS DRAWING HAS BEEN DEVELOPED FROM 10W425-21

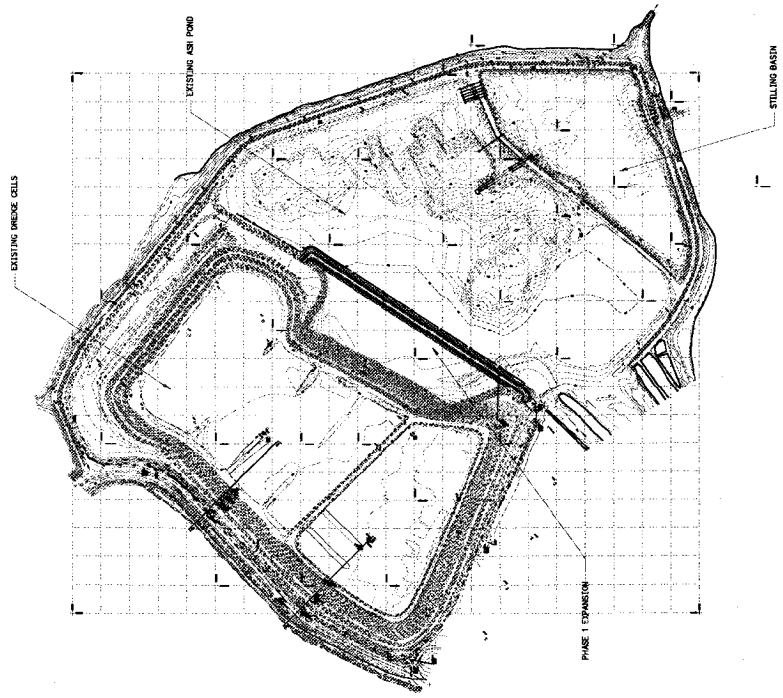
PARASOLS TIME CONCEPT BY

0

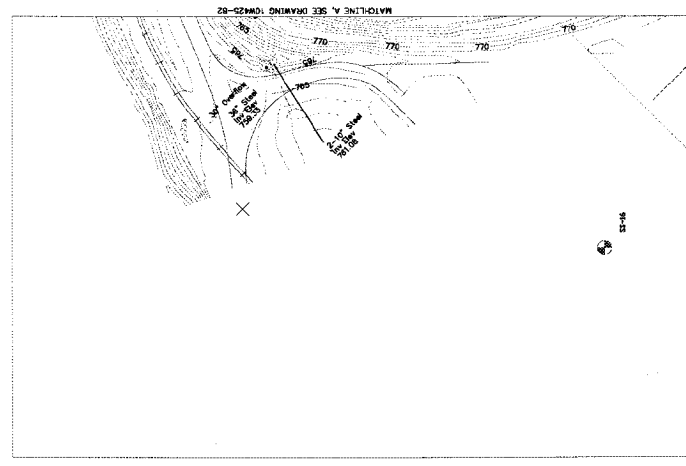
18-SZ-4K01-C 9C

12 11 10 9 8 7 6 5 4 3 2 1

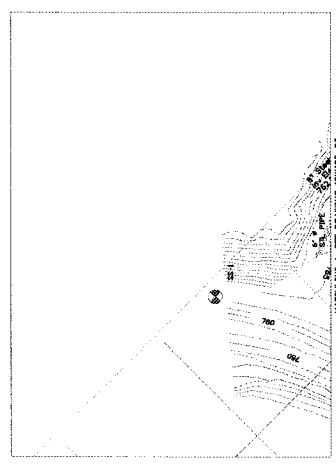
NOTES  
1. FOR DRAWING INDEX AND LEGEND, SEE DRAWING 10W425-20.  
2. DRAWINGS 10W425-21 AND -23 DEPICT PHASING OF EXPANSION CONSTRUCTION. CONSTRUCTION BOUNDRIES BEGIN WITH 10W425-24.



EXISTING CONDITIONS 2004  
SCALE 1"=200'



PARTIAL PLAN  
SCALE 1"=50'



PARTIAL PLAN  
SCALE 1"=50'

10% DESIGN REVIEW

SCALE AS SHOWN		EXCEPT AS NOTED	
1/4"	1/8"	1/4"	1/8"
1/8"	3/16"	3/16"	3/16"
3/16"	1/4"	1/4"	1/4"
1/4"	3/8"	3/8"	3/8"
3/8"	1/2"	1/2"	1/2"
1/2"	3/4"	3/4"	3/4"
3/4"	1"	1"	1"
1"	1 1/4"	1 1/4"	1 1/4"
1 1/4"	1 1/2"	1 1/2"	1 1/2"
1 1/2"	1 3/4"	1 3/4"	1 3/4"
1 3/4"	2"	2"	2"
2"	2 1/4"	2 1/4"	2 1/4"
2 1/4"	2 1/2"	2 1/2"	2 1/2"
2 1/2"	2 3/4"	2 3/4"	2 3/4"
2 3/4"	3"	3"	3"
3"	3 1/4"	3 1/4"	3 1/4"
3 1/4"	3 1/2"	3 1/2"	3 1/2"
3 1/2"	3 3/4"	3 3/4"	3 3/4"
3 3/4"	4"	4"	4"
4"	4 1/4"	4 1/4"	4 1/4"
4 1/4"	4 1/2"	4 1/2"	4 1/2"
4 1/2"	4 3/4"	4 3/4"	4 3/4"
4 3/4"	5"	5"	5"
5"	5 1/4"	5 1/4"	5 1/4"
5 1/4"	5 1/2"	5 1/2"	5 1/2"
5 1/2"	5 3/4"	5 3/4"	5 3/4"
5 3/4"	6"	6"	6"
6"	6 1/4"	6 1/4"	6 1/4"
6 1/4"	6 1/2"	6 1/2"	6 1/2"
6 1/2"	6 3/4"	6 3/4"	6 3/4"
6 3/4"	7"	7"	7"
7"	7 1/4"	7 1/4"	7 1/4"
7 1/4"	7 1/2"	7 1/2"	7 1/2"
7 1/2"	7 3/4"	7 3/4"	7 3/4"
7 3/4"	8"	8"	8"
8"	8 1/4"	8 1/4"	8 1/4"
8 1/4"	8 1/2"	8 1/2"	8 1/2"
8 1/2"	8 3/4"	8 3/4"	8 3/4"
8 3/4"	9"	9"	9"
9"	9 1/4"	9 1/4"	9 1/4"
9 1/4"	9 1/2"	9 1/2"	9 1/2"
9 1/2"	9 3/4"	9 3/4"	9 3/4"
9 3/4"	10"	10"	10"
10"	10 1/4"	10 1/4"	10 1/4"
10 1/4"	10 1/2"	10 1/2"	10 1/2"
10 1/2"	10 3/4"	10 3/4"	10 3/4"
10 3/4"	11"	11"	11"
11"	11 1/4"	11 1/4"	11 1/4"
11 1/4"	11 1/2"	11 1/2"	11 1/2"
11 1/2"	11 3/4"	11 3/4"	11 3/4"
11 3/4"	12"	12"	12"

YARD  
DREDGE CELL RESTORATION  
LAYOUT AND PARTIAL PLANS

NO.	DATE	BY	CHK'D BY	APP'D BY
1	08/11/04	...	...	...
2	08/11/04	...	...	...
3	08/11/04	...	...	...
4	08/11/04	...	...	...
5	08/11/04	...	...	...
6	08/11/04	...	...	...
7	08/11/04	...	...	...
8	08/11/04	...	...	...
9	08/11/04	...	...	...
10	08/11/04	...	...	...
11	08/11/04	...	...	...
12	08/11/04	...	...	...

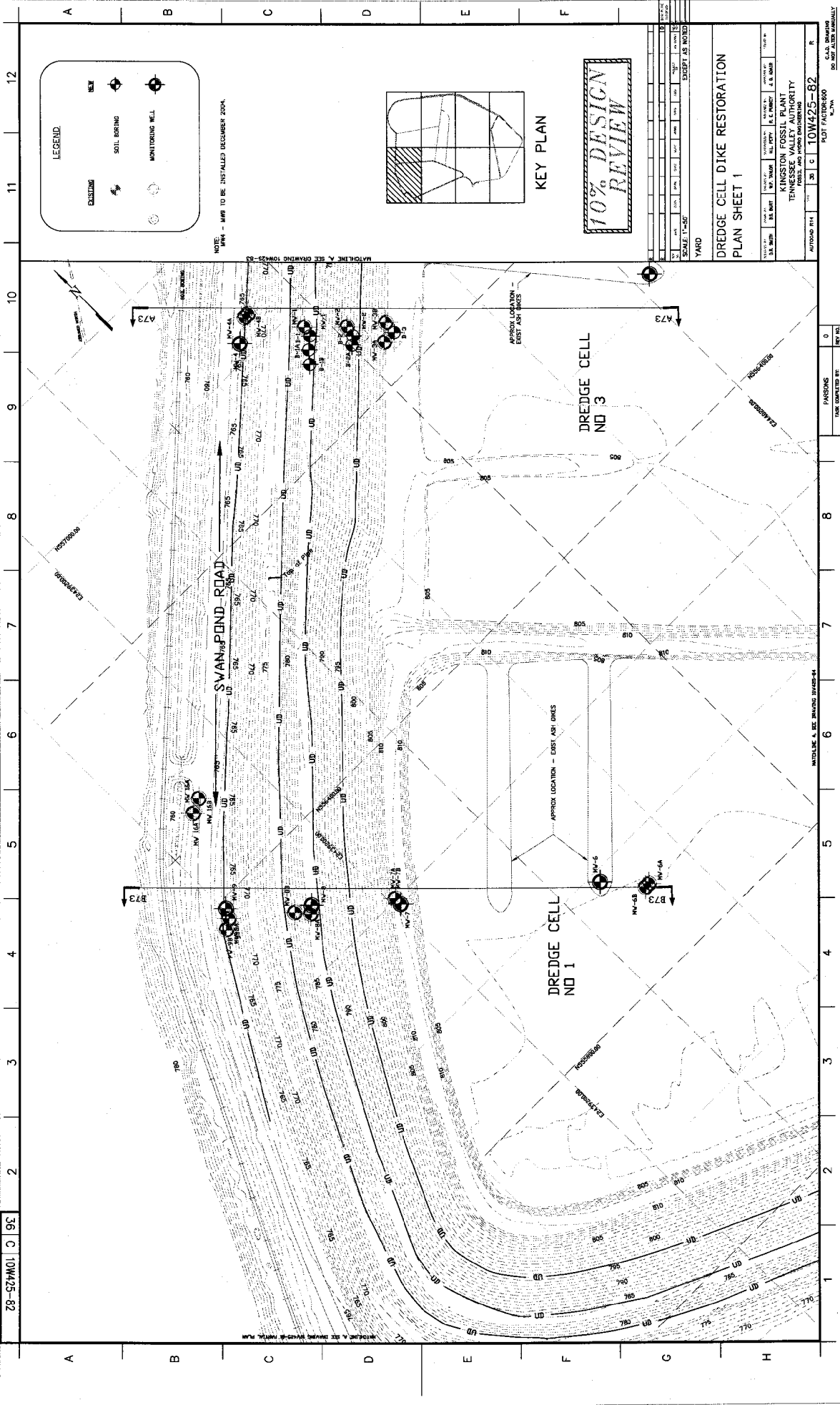
PROJECT: KINGSTON FOSSIL PLANT  
TENNISVILLE, TENN.  
FOSSIL AND ASH POND RESTORATION

AUTOCAD FILE	SCALE	DATE	BY	CHK'D BY	APP'D BY
10W425-81	AS SHOWN	08/11/04	...	...	...

SCALE FACTOR: 300

DO NOT ALTER MANUALLY

NO.	DATE	BY	CHK'D BY	APP'D BY
1	08/11/04	...	...	...
2	08/11/04	...	...	...
3	08/11/04	...	...	...
4	08/11/04	...	...	...
5	08/11/04	...	...	...
6	08/11/04	...	...	...
7	08/11/04	...	...	...
8	08/11/04	...	...	...
9	08/11/04	...	...	...
10	08/11/04	...	...	...
11	08/11/04	...	...	...
12	08/11/04	...	...	...



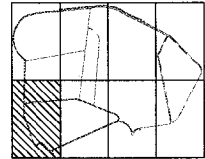
36 C 10W425-82

12 11 10 9 8 7 6 5 4 3 2 1

**LEGEND**

EXISTING	NEW
SOIL BORING	MONITORING WELL

NOTE: MW - MW TO BE INSTALLED DECEMBER 2004.



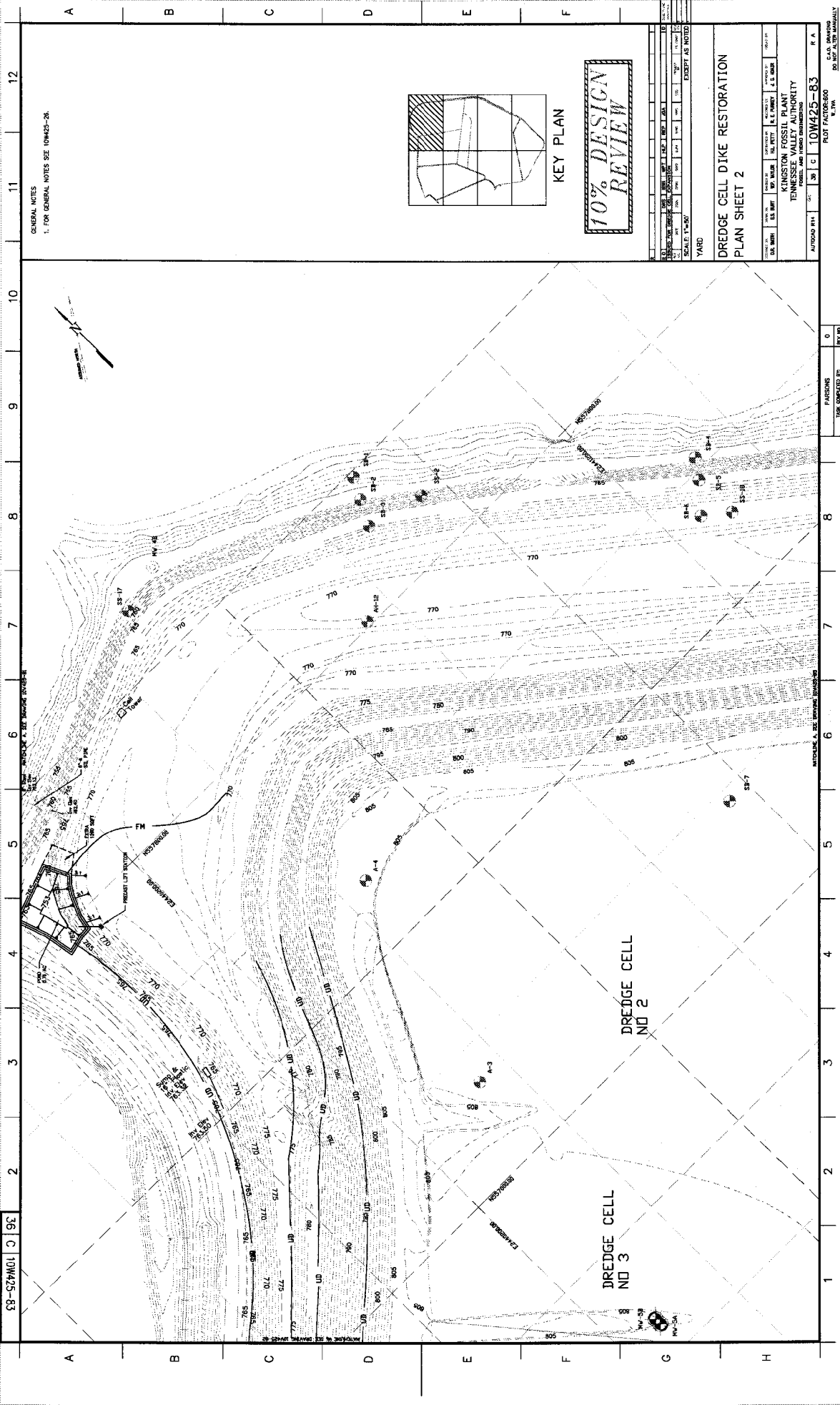
KEY PLAN

**10% DESIGN REVIEW**

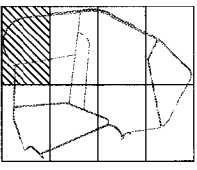
YARD		SCALE: 1"=50'		EXCEPT AS NOTED	
NO.	DATE	BY	CHKD.	APP'D.	REVISION
<b>DREDGE CELL DIKE RESTORATION</b> <b>PLAN SHEET 1</b>					
PROJECT: KINGSTON FOSSIL PLANT TENNESSEE POWER CORPORATION					
AUTOMATIC PLOT NO. C 10W425-82					
ELOI FACTOR: 600					
DO NOT ALTER MANUALLY					

PASSINGS  
DIKE CALCULATED BY: 0 (REV)

INTERLAK & SEE DRAWING SHEET 44



GENERAL NOTES  
 1. FOR GENERAL NOTES SEE 10W425-26



KEY PLAN

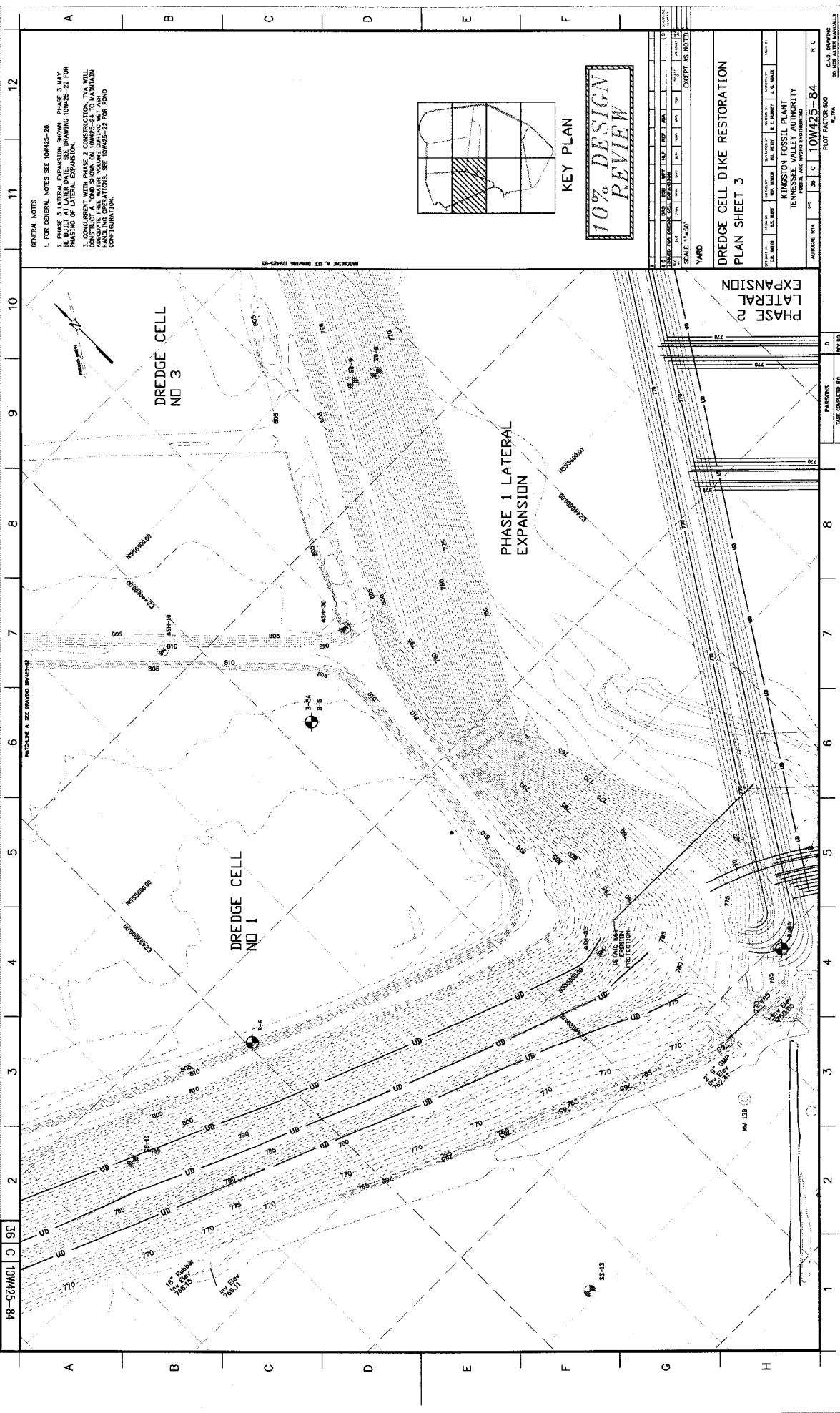
**10% DESIGN REVIEW**

DATE	BY	CHECKED	SCALE	PROJECT NO.	PROJECT NAME
10/1/83	J. E. HUBBARD	J. E. HUBBARD	1"=100'	10W425-83	DREDGE CELL DIKE RESTORATION
KINGSTON FOSSIL PLANT TENNESSEE VALLEY AUTHORITY FOSSIL AND WOOD REMEDIATION					
APP'D	DATE	BY	SCALE	PROJECT NO.	PROJECT NAME
J. E. HUBBARD	10/1/83	J. E. HUBBARD	1"=100'	10W425-83	DREDGE CELL DIKE RESTORATION

36 C 10W425-83

PARSONS  
 TSC COMPANY, INC.

PLANT FACTORY  
 10 W. 11th  
 KENTON, KY 40320



GENERAL NOTES

- FOR GENERAL NOTES SEE 10W425-26.
- PHASE 3 LATERAL EXPANSION SHALL BE BUILT AT LATER DATE. SEE DRAWING 10W425-27 FOR PHASING OF LATERAL EXPANSION.
- CONSTRUCTION OF PHASE 1 LATERAL EXPANSION SHALL BE IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION OF PHASE 2 LATERAL EXPANSION. THE DESIGN SHALL BE APPROVED BY THE DESIGN ENGINEER AND THE PROJECT MANAGER. THE DESIGN SHALL BE APPROVED BY THE DESIGN ENGINEER AND THE PROJECT MANAGER. THE DESIGN SHALL BE APPROVED BY THE DESIGN ENGINEER AND THE PROJECT MANAGER.

10% DESIGN REVIEW

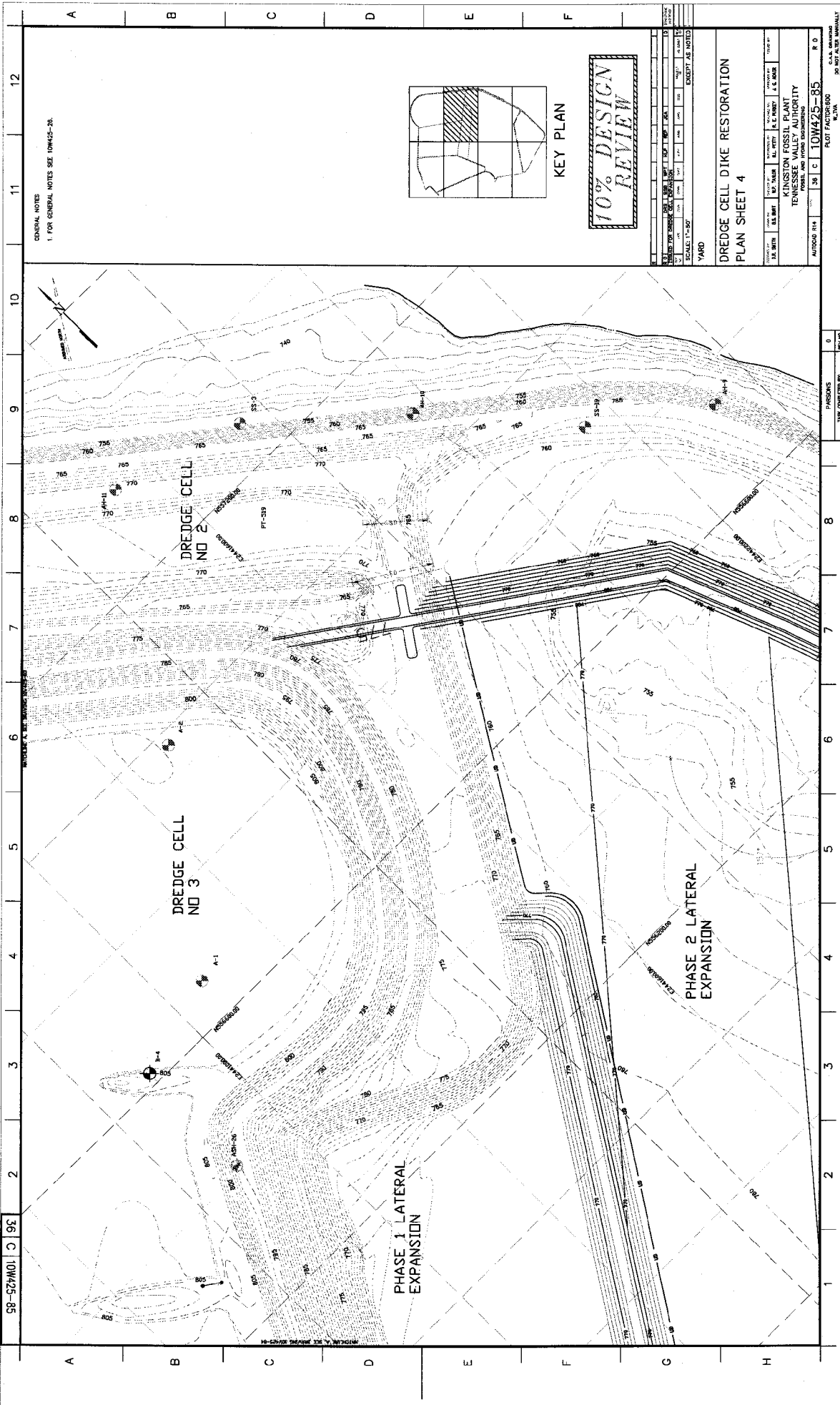
DREDGE CELL DIKE RESTORATION  
PLAN SHEET 3

KINGSTON FOSSIL PLANT  
TERRACE ENGINEERING  
DESIGN AND CONSTRUCTION

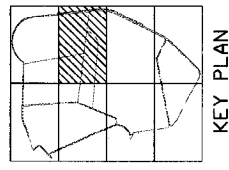
10W425-84

NO.	DATE	BY	CHKD.	DESCRIPTION
1	10/1/84	J. L. HARRIS	J. L. HARRIS	ISSUED FOR CONSTRUCTION
2	10/1/84	J. L. HARRIS	J. L. HARRIS	ISSUED FOR CONSTRUCTION
3	10/1/84	J. L. HARRIS	J. L. HARRIS	ISSUED FOR CONSTRUCTION
4	10/1/84	J. L. HARRIS	J. L. HARRIS	ISSUED FOR CONSTRUCTION
5	10/1/84	J. L. HARRIS	J. L. HARRIS	ISSUED FOR CONSTRUCTION
6	10/1/84	J. L. HARRIS	J. L. HARRIS	ISSUED FOR CONSTRUCTION
7	10/1/84	J. L. HARRIS	J. L. HARRIS	ISSUED FOR CONSTRUCTION
8	10/1/84	J. L. HARRIS	J. L. HARRIS	ISSUED FOR CONSTRUCTION
9	10/1/84	J. L. HARRIS	J. L. HARRIS	ISSUED FOR CONSTRUCTION
10	10/1/84	J. L. HARRIS	J. L. HARRIS	ISSUED FOR CONSTRUCTION
11	10/1/84	J. L. HARRIS	J. L. HARRIS	ISSUED FOR CONSTRUCTION
12	10/1/84	J. L. HARRIS	J. L. HARRIS	ISSUED FOR CONSTRUCTION





GENERAL NOTES  
1. FOR GENERAL NOTES SEE 10W425-26.



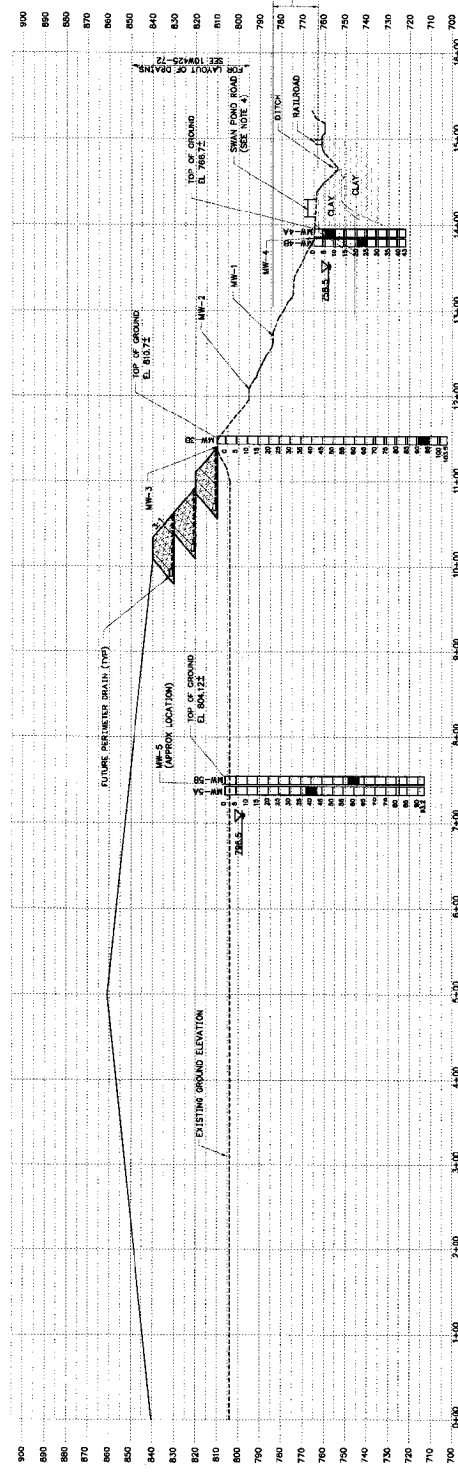
**10% DESIGN REVIEW**

PROJECT NO.	10W425-85
DATE	10/11/85
SCALE	AS SHOWN
DESIGNED BY	...
CHECKED BY	...
APPROVED BY	...
PROJECT TITLE	DREDGE CELL DIKE RESTORATION
PROJECT LOCATION	KINGSTON FOSSIL PLANT
PROJECT OWNER	TENNESSEE VALLEY AUTHORITY
PROJECT NO.	10W425-85
DATE	10/11/85
SCALE	AS SHOWN
DESIGNED BY	...
CHECKED BY	...
APPROVED BY	...

36 | C | 10W425-85

PHASES  
DATE COMPLETED BY

98-527M01 C 96 12 11 10 9 8 7 6 5 4 3 2 1



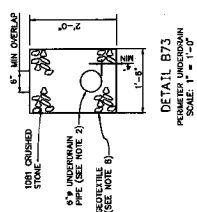
INSTALL ALTERNATE FINAL COVER  
ON SWAN POND ROAD TO BE COMPATIBLE  
WITH THE ALTERNATE COMPACTED  
CLAY COVER OF THE DREDGE CELL  
RESPECTIVELY. SEE NOTE 3.

- NOTES:
- FOR DRAWINGS LIST AND LEGEND SEE 10W425-20
  - FOR GENERAL NOTES SEE 10W425-28
  - INSTALL THE SOAK AWAY DRAINAGE TO SOIL COVER WITHIN THE DREDGE CELL PRIOR TO INSTALLING FINAL COVER, STOCK PILE, SOIL, AND GRAVEL. PROVIDE SUFFICIENT DRAINAGE TO PREVENT WATER FROM ACCUMULATING UNDER THE COVER.
  - SEE CROSS SECTION DRAWINGS FOR DREDGE CELL WATERS TO SWAN POND ROAD. BASE ELEVATION OF DREDGE CELL WATERS TO SWAN POND ROAD. SEE DRAWINGS 10W425-12 THRU 10W425-15.
  - UNDERDRAIN AT THIS LOCATION ONLY REQUIRED ALONG DREDGE CELL WATERS TO SWAN POND ROAD. SEE DRAWINGS 10W425-12 THRU 10W425-15.
  - LATERAL OUTLET PIPES SHALL BE NON-PERFORATED POLYETHYLENE CORRUGATED TUBING AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS, INC., COLUMBUS, OHIO (614) 357-3081 OR EQUAL.
  - LATERAL OUTLET PIPES SHALL BE PLACED EVERY 200 FEET ON CENTER.
  - GEOTEXTILE SHALL BE A WOVEN NONPERFORATED WITH AN APPARENT WEIGHT OF 100 LB/SY. IT SHALL BE TESTED IN ACCORDANCE WITH ASTM D 4753. THE GEOTEXTILE SHALL BE MANUFACTURED BY SYNTHETIC INDUSTRIES OR APPROVED EQUAL.

10% DESIGN REVIEW

SCALE AS SHOWN	SCALE AS NOTED
YARD	EXCEPT AS NOTED
<b>DREDGE CELL DIKE RESTORATION</b>	
<b>SECTIONS SHEET 1</b>	
DESIGNED BY D.R. SMITH, P.E., DBRT	CHECKED BY M.P. ZAUGER, P.E., P.E., P.E.
KINGSTON FOSSIL PLANT TENNESSEE VALLEY AUTHORITY FACILITY AND WASTE MANAGEMENT	
AUTODRAW FILE 10W425-86	PLOT FACTORS N, 1/4"

DETAIL A73  
SCALE: HORIZONTAL 1" = 30'  
VERTICAL 1" = 20'



▨ - SCREENING FOR SORE

PASSIONS  
USE COMPUTER PLOTTER

8 7 6 5 4 3 2 1

9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

11 10 9 8 7 6 5 4 3 2 1

12 11 10 9 8 7 6 5 4 3 2 1

13 12 11 10 9 8 7 6 5 4 3 2 1

14 13 12 11 10 9 8 7 6 5 4 3 2 1

36 C 10W425-87

A B C D E F

11 10 9 8 7 6 5 4 3 2

12

A B C D E F

11 10 9 8 7 6 5 4 3 2

12

A B C D E F

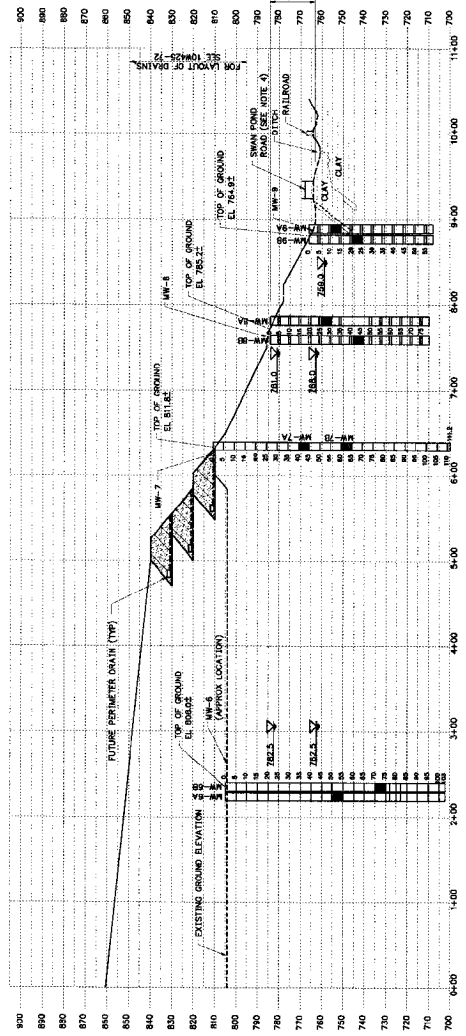
11 10 9 8 7 6 5 4 3 2

12

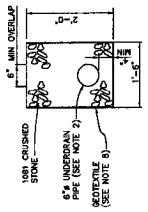
A B C D E F

11 10 9 8 7 6 5 4 3 2

12



DETAIL B73  
 SCALE: HORIZONTAL 1" = 30'  
 VERTICAL 1" = 20'



DETAIL B73  
 PERIMETER UNDERDRAIN  
 SCALE: 1" = 1'-0"

- NOTES:
- FOR DRAWINGS LIST AND LEGEND SEE 10W425-20
  - FOR GENERAL NOTES SEE 10W425-28
  - BETWEEN EL. 760 & 754 STRIP EXISTING 1'-0" SOIL COVER WITHIN THE LIMITS SHOWN ON DRAWINGS 10W425-42 THRU 10W425-45. REMOVE AS SHOWN. FILL WITH 12% LIME TREATED SAND. PLACE AS SHOWN. REUSE AS RANDOM FILL. REEVALUATE LATER FOR FINAL COVER.
  - DETAIL REFLECTS SECTION THROUGH EXISTING DREDGE CELLS ADJACENT TO SHAW POND ROAD. BASE ELEVATION OF DREDGE CELL WATERS TO ADJUST TO SHAW POND ROAD. SEE DRAWINGS 10W425-42 THROUGH 10W425-45 FOR LOCATION.
  - ADJUSTMENT TO SHAW POND ROAD SHALL BE MADE TO ADJUST DREDGE CELL TO SHAW POND ROAD. SEE DRAWINGS 10W425-42 THROUGH 10W425-45 FOR LOCATION.
  - LATERAL OUTLET PIPES SHALL BE NON-PROPERED POLYETHYLENE GLASS REINFORCED (HIGHTON POLYETHYLENE GLASS REINFORCED SYSTEMS, INC., COLUMBUS, OHIO (614) 457-2051 OR EQUAL).
  - LATERAL OUTLET PIPES SHALL BE PLACED EVERY 200 FEET ON CENTER.
  - GEOTEXTILE SHALL BE A WOVEN MONOLAMINATE WITH AN APPROPRIATE OPENING SIZE (AOS) SELECTED BY THE US STANDARD SITE CHARACTERIZATION AND ASSESSMENT (USCS) SOIL CLASSIFICATION. GEOTEXTILE SHALL BE INDEXED FOR AS MANUFACTURED BY SYNTHETIC INDUSTRIES OR APPROVED EQUAL.

— SCHEMATIC FOR DOME

**10% DESIGN REVIEW**

DATE	BY	CHKD.	APP'D.	SCALE	PROJECT	SHEET NO.	TOTAL SHEETS
10/11/87	DR. SMITH, B.E., B.S.	DR. SMITH, B.E., B.S.	DR. SMITH, B.E., B.S.	AS SHOWN	10W425-87	36	100

**DREDGE CELL DIKE RESTORATION  
 SECTIONS SHEET 2**

PROJECT NO.	10W425-87
PROJECT NAME	KINGSTON FOSSIL PLANT RESTORATION PROJECT DIKE AND FLOOD RESTORATION
DATE	10/11/87
SCALE	AS SHOWN
PROJECT LOCATION	SEE DRAWING
PROJECT FOLDER NO.	10W425-87
PROJECT SHEET NO.	36
TOTAL PROJECT SHEETS	100

DO NOT ALTER MANUALLY

DATE	BY	CHKD.	APP'D.
10/11/87	DR. SMITH, B.E., B.S.	DR. SMITH, B.E., B.S.	DR. SMITH, B.E., B.S.

— SCHEMATIC FOR DOME

— SCHEMATIC FOR DOME

— SCHEMATIC FOR DOME

— SCHEMATIC FOR DOME

— SCHEMATIC FOR DOME

— SCHEMATIC FOR DOME

— SCHEMATIC FOR DOME

— SCHEMATIC FOR DOME

36 C 10W425-88

A B C D E F G H

2 3 4 5 6 7 8 9 10 11 12

**10% DESIGN REVIEW**

EXCEPT AS NOTED									
SCALE:									

**DREDGE CELL DIKE RESTORATION  
SECTIONS SHEET 3**

PROJECT NO. 36 C 10W425-88

DESIGNED BY: DR. SMITH, RES. BUREAU OF ENGIN. DIVISION, U.S. ARMY CORPS OF ENGINEERS, WASH. FIELD OFFICE, WASHINGTON, D.C.

CONTRACT NO. 10W425-88

DATE: 10/1/88

BY: [Signature]

FOR: PROJECT MANAGER

PROJECT NO. 36 C 10W425-88

PROJ. FILE NO. 10W425-88

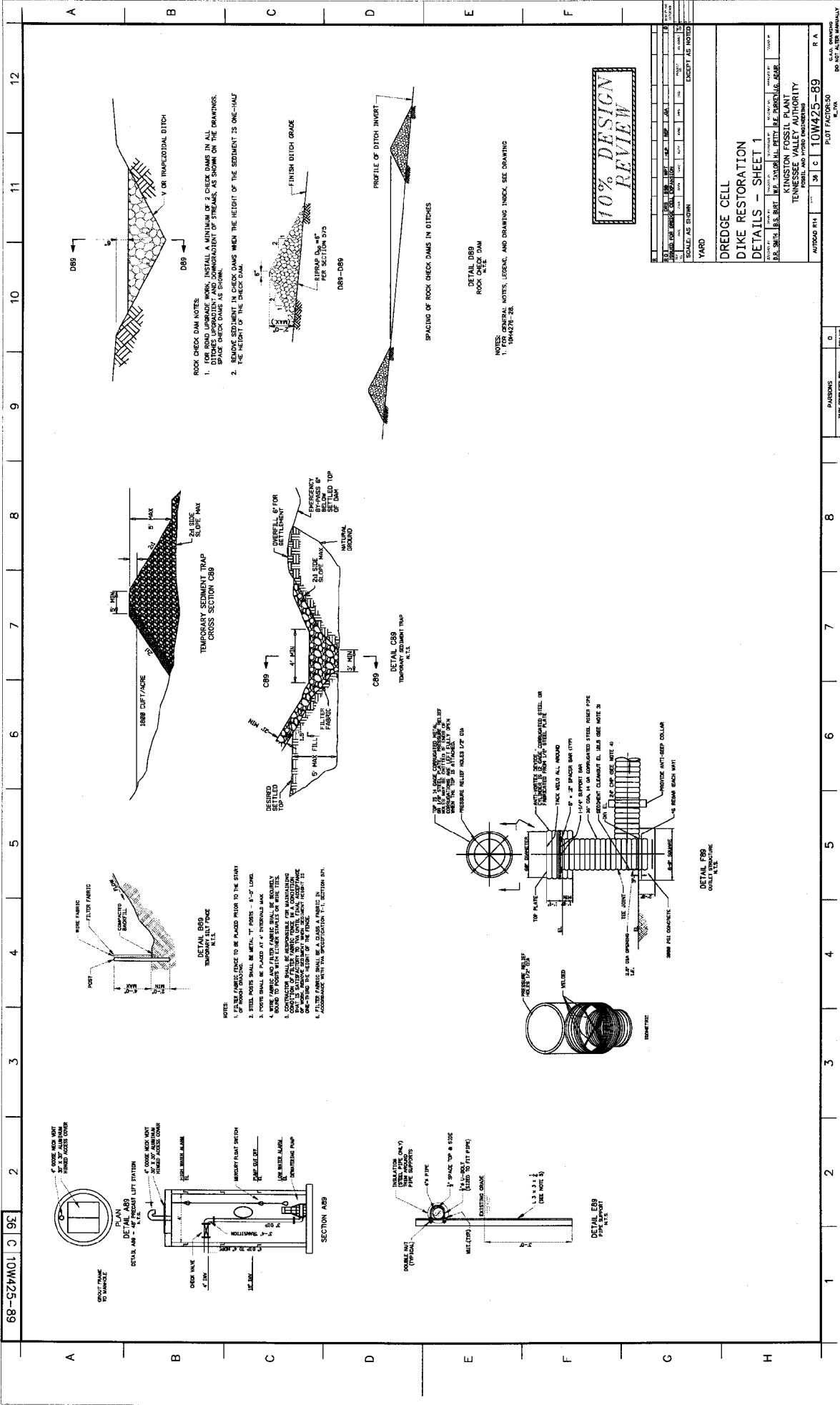
DATE: 10/1/88

BY: [Signature]

FOR: PROJECT MANAGER

REVISIONS:  
DATE: 10/1/88

NOT FASTENED TO SHEET MANUALLY



**10% DESIGN REVIEW**

PROJECT TITLE	DREDGE CELL
DATE	11/25/88
DESIGNED BY	W. J. HARRIS
CHECKED BY	W. J. HARRIS
SCALE	AS SHOWN
YARD	
PROJECT NO.	104425-89
SHEET NO.	1
TOTAL SHEETS	1

**DREDGE CELL  
DIKE RESTORATION  
DETAILS - SHEET 1**

W. J. HARRIS, P.E.  
KINGSTON FOSSIL PLANT  
TENNESSEE VALLEY AUTHORITY

PROJECT NO. 104425-89  
SHEET NO. 1  
TOTAL SHEETS 1

REVISION																		
NO.	DATE	BY	DESCRIPTION	APPROVED BY														
1	11/25/88	W. J. HARRIS	INITIAL DESIGN															
2																		

DATE	11/25/88
BY	W. J. HARRIS
CHECKED BY	W. J. HARRIS
SCALE	AS SHOWN
YARD	
PROJECT NO.	104425-89
SHEET NO.	1
TOTAL SHEETS	1

**Haber, Stanley M**

---

**From:** Sluss, Dallas P.  
**Sent:** Thursday, March 24, 2005 8:41 AM  
**To:** Petty, Harold L.  
**Cc:** Haber, Stanley M.; Purkey, Ronald E.; Hughes, Michael  
**Subject:** FW: Request for additional topo for ditch at toe of existing dredge cell at KIF

Lynn,

We have a field survey crew in the field this week. We need the sc so we can bill to the appropriate sc.

Dallas Sluss  
Team Leader, Surveying Services  
TPS - Surveying & Project Services  
1101 Market St. MR 4B-C  
Chattanooga, TN 37402-2801  
<http://tpsnet.cha.tva.gov:8039/Documents/ESP%20Org%20Chart/002-013%20ELECTRIC%20SYSTEM%20PROJECTS.pdf> = S&PS Organization Chart  
Phone: (423)751-2255 - Mobile: (423)718-3880 - MR4 Fax (423)751-6083 - e-mail: [dpsluss@tva.gov](mailto:dpsluss@tva.gov)

-----Original Message-----

**From:** Monsees, A. J.  
**Sent:** Thursday, March 24, 2005 6:55 AM  
**To:** Sluss, Dallas P.  
**Subject:** RE: Request for additional topo for ditch at toe of existing dredge cell at KIF

We went to work on this yesterday. Could you call up Brandon and give him this short code when you get it.

Thanks

We did contact Dan

-----Original Message-----

**From:** Sluss, Dallas P.  
**Sent:** Wednesday, March 23, 2005 7:21 AM  
**To:** Monsees, A. J.  
**Subject:** FW: Request for additional topo for ditch at toe of existing dredge cell at KIF

Please call Dan when you do the survey.

Dallas Sluss  
Team Leader, Surveying Services  
TPS - Surveying & Project Services  
1101 Market St. MR 4B-C  
Chattanooga, TN 37402-2801  
<http://tpsnet.cha.tva.gov:8039/Documents/ESP%20Org%20Chart/002-013%20ELECTRIC%20SYSTEM%20PROJECTS.pdf> = S&PS Organization Chart  
Phone: (423)751-2255 - Mobile: (423)718-3880 - MR4 Fax (423)751-6083 - e-mail: [dpsluss@tva.gov](mailto:dpsluss@tva.gov)

-----Original Message-----

**From:** Smith, Daniel R [mailto:Daniel.R.Smith@worleyparsons.com]  
**Sent:** Tuesday, March 22, 2005 6:15 PM  
**To:** Sluss, Dallas P.  
**Cc:** Petty, Harold L.

03/14/2009

TVA-00027273

**Subject:** FW: Request for additional topo for ditch at toe of existing dredge cell at KIF

Dallas, Lynn (or someone) will forward you the appropriate short code to proceed.

If you could have AJ (or whoever will do the surveying) contact me a few days before they expect to start, I'd like to visit the site and go over what we want surveyed.

Thanks

Dan

-----Original Message-----

**From:** Petty, Harold L. [mailto:hlpetty@tva.gov]

**Sent:** Tuesday, March 22, 2005 3:22 PM

**To:** Smith, Daniel R

**Cc:** Haber, Stanley M.; Purkey, Ronald E.; Hughes, Michael

**Subject:** RE: Request for additional topo for ditch at toe of existing dredge cell at KIF

Dan:

Please proceed. I am cc'ing Stan Haber on this. We don't want to hold up the design work on the French Drain. I see having this topo quickly as necessary towards that end.

Thanks,  
Lynn

-----Original Message-----

**From:** Smith, Daniel R [mailto:Daniel.R.Smith@worleyparsons.com]

**Sent:** Tuesday, March 22, 2005 2:50 PM

**To:** Petty, Harold L.

**Subject:** RE: Request for additional topo for ditch at toe of existing dredge cell at KIF

Lynn, are you OK with this?

Dan

-----Original Message-----

**From:** Sluss, Dallas P. [mailto:dpsluss@tva.gov]

**Sent:** Tuesday, March 22, 2005 2:32 PM

**To:** Smith, Daniel R

**Cc:** Petty, Harold L.; Monsees, A. J.

**Subject:** RE: Request for additional topo for ditch at toe of existing dredge cell at KIF

Dan,

Our estimate is \$5000 to provide the topo as shown on your sketch.

We anticipate having the field work completed by 3/31 and the final topo drawing to you by no later than 4/6.

If you have any questions, give me a call.

03/14/2009

TVA-00027274

Dallas Sluss  
Team Leader, Surveying Services  
TPS - Surveying & Project Services  
1101 Market St. MR 4B-C  
Chattanooga, TN 37402-2801  
<<http://tpsnet.cha.tva.gov:8039/Documents/ESP%20Org%20Chart/002-013%20ELECTRIC%20SYSTEM%20PROJECTS.pdf>> = S&PS Organization Chart  
Phone: (423)751-2255 - Mobile: (423)718-3880 - MR4 Fax (423)751-6083 - e-mail:dpsluss@tva.gov

-----Original Message-----

**From:** Smith, Daniel R [<mailto:Daniel.R.Smith@worleyparsons.com>]  
**Sent:** Thursday, March 17, 2005 7:40 PM  
**To:** Sluss, Dallas P.  
**Cc:** Petty, Harold L.  
**Subject:** Request for additional topo for ditch at toe of existing dredge cell at KIF

Please see the attached sketch. The topo for the existing dredge cell was provided to us (Parsons) about a year ago. We added (from the existing TVA digital (kelsh) topo Swan Pond road, and what topo was shown for the ditch. Although this was ok for the permit drawings we did a year ago, we have been tasked with preparing a detailed design for mitigating the seepage in the ditch, and the ditch has changed since then. The design will need detailed topo all along the ditch where indicated on the attached sketch. We need the topo from the edge of Swan Pond road to the boundary of the topo shown (toe of slope), including the guard rail. Spot shots are needed along the ditch so that we can profile the existing (and proposed) ditch. The total area is estimated to be about 5 ac.

Please provide a cost estimate for this, and when you could complete the field work and provide us a topo map, with the spot shots.

Thanks

<< File: Request for Additional topo\_KIF Dredge Cell.pdf >>

Please note new email address: [Daniel.R.Smith@worleyparsons.com](mailto:Daniel.R.Smith@worleyparsons.com)  
Daniel R. (Dan) Smith, P.E.  
Parsons E & C Phone: (423) 757-8088  
633 Chestnut St, Suite 400 Fax: (423) 266-0922  
Chattanooga, TN 37450 Cell: (423) 364-1679 Email:  
[Daniel.R.Smith@worleyparsons.com](mailto:Daniel.R.Smith@worleyparsons.com)

\*\*\* WorleyParsons Group Notice \*\*\*

"This email is confidential. If you are not the intended recipient, you must not disclose or use the information contained in it. If you have received this email in error, please notify us immediately by return email and delete the email and any attachments. Any personal views/ opinions expressed by the writer may not necessarily reflect the views/ opinions of the company."

03/14/2009

TVA-00027275



**Haber, Stanley M**

---

**From:** Petty, Harold L.  
**Sent:** Tuesday, March 22, 2005 4:22 PM  
**To:** 'Smith, Daniel R'  
**Cc:** Haber, Stanley M.; Purkey, Ronald E.; Hughes, Michael  
**Subject:** RE: Request for additional topo for ditch at toe of existing dredge cell at KIF

Dan:

Please proceed. I am cc'ing Stan Haber on this. We don't want to hold up the design work on the French Drain. I see having this topo quickly as necessary towards that end.

Thanks,  
Lynn

-----Original Message-----

**From:** Smith, Daniel R [mailto:Daniel.R.Smith@worleyparsons.com]  
**Sent:** Tuesday, March 22, 2005 2:50 PM  
**To:** Petty, Harold L.  
**Subject:** RE: Request for additional topo for ditch at toe of existing dredge cell at KIF

Lynn, are you OK with this?

Dan

-----Original Message-----

**From:** Sluss, Dallas P. [mailto:dpsluss@tva.gov]  
**Sent:** Tuesday, March 22, 2005 2:32 PM  
**To:** Smith, Daniel R  
**Cc:** Petty, Harold L.; Monsees, A. J.  
**Subject:** RE: Request for additional topo for ditch at toe of existing dredge cell at KIF

Dan,

Our estimate is \$5000 to provide the topo as shown on your sketch.

We anticipate having the field work completed by 3/31 and the final topo drawing to you by no later than 4/6.

If you have any questions, give me a call.

Dallas Sluss  
Team Leader, Surveying Services  
TPS - Surveying & Project Services  
1101 Market St. MR 4B-C  
Chattanooga, TN 37402-2801  
<<http://tpsnet.cha.tva.gov:8039/Documents/ESP%20Org%20Chart/002-013%20ELECTRIC%20SYSTEM%20PROJECTS.pdf>> =  
S&PS Organization Chart  
Phone: (423)751-2255 - Mobile: (423)718-3880 - MR4 Fax (423)751-6083 - e-mail:dpsluss@tva.gov

-----Original Message-----

03/14/2009

TVA-00027276

**From:** Smith, Daniel R [<mailto:Daniel.R.Smith@worleyparsons.com>]  
**Sent:** Thursday, March 17, 2005 7:40 PM  
**To:** Sluss, Dallas P.  
**Cc:** Petty, Harold L.  
**Subject:** Request for additional topo for ditch at toe of existing dredge cell at KIF

Please see the attached sketch. The topo for the existing dredge cell was provided to us (Parsons) about a year ago. We added (from the existing TVA digital (kelsh) topo Swan Pond road, and what topo was shown for the ditch. Although this was ok for the permit drawings we did a year ago, we have been tasked with preparing a detailed design for mitigating the seepage in the ditch, and the ditch has changed since then. The design will need detailed topo all along the ditch where indicated on the attached sketch. We need the topo from the edge of Swan Pond road to the boundary of the topo shown (toe of slope), including the guard rail. Spot shots are needed along the ditch so that we can profile the existing (and proposed) ditch. The total area is estimated to be about 5 ac.

Please provide a cost estimate for this, and when you could complete the field work and provide us a topo map, with the spot shots.

Thanks

<< File: Request for Additional topo\_KIF Dredge Cell.pdf >>

**Please note new email address: [Daniel.R.Smith@worleyparsons.com](mailto:Daniel.R.Smith@worleyparsons.com)**

Daniel R. (Dan) Smith, P.E.

Parsons E & C

Phone: (423) 757-8088

633 Chestnut St, Suite 400 Fax: (423) 266-0922

Chattanooga, TN 37450 Cell: (423) 364-1679

Email:

[Daniel.R.Smith@worleyparsons.com](mailto:Daniel.R.Smith@worleyparsons.com)

\*\*\* WorleyParsons Group Notice \*\*\*

"This email is confidential. If you are not the intended recipient, you must not disclose or use the information contained in it. If you have received this email in error, please notify us immediately by return email and delete the email and any attachments. Any personal views/ opinions expressed by the writer may not necessarily reflect the views/ opinions of the company."

03/14/2009

TVA-00027277