

PUBLIC NOTICE



US ARMY CORPS
OF ENGINEERS

APPLICANT: CITY OF ABERDEEN
APPLICATION NO: 200230083
WATERWAY: UNNAMED TRIBUTARY
AND WETLAND

OMAHA DISTRICT

ISSUE DATE: JANUARY 2, 2004
EXPIRATION DATE: JANUARY 23, 2004

Regulatory Office, 28563 Powerhouse Rd, Room 118, Pierre, SD 57501

21-DAY NOTICE

JOINT NOTICE OF PERMIT PENDING

US ARMY CORPS OF ENGINEERS
AND
SOUTH DAKOTA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

The application of the City of Aberdeen, 123 South Lincoln, Aberdeen, South Dakota 57401, for approval of plans and issuance of a permit under authority of the Secretary of the Army is being considered by the District Engineer, US Army Engineer District, Omaha, Nebraska.

The applicant requests authorization, including after-the-fact authorization, for fill placement activities performed in a tributary of Moccasin Creek and adjacent wetlands. The filling activity is associated with the City of Aberdeen implementation of a stormwater drainage management plan. The project is located in the Northwest Quarter of Section 12, Township 123 North, Range 64 West, latitude 45-29-10.3446, longitude 98-29-27.5389, Brown County, South Dakota.

An application for this project was originally submitted on February 21, 2003. The Corps of Engineers (Corps) suspended processing of the application after confirming unauthorized filling had occurred. The U.S. Environmental Protection Agency and the Corps have reviewed the incident for potential enforcement action and determined an after-the-fact application will be accepted for processing. Portions of the project have not been completed yet.

The proposed project consists of dredging approximately 2,200 feet of an existing drainage channel, temporarily discharging dredged material into adjacent wetlands, replacing three existing culverts with larger capacity culverts, installation of two new culverts, constructing approximately 1,100 feet of new channel to replace 880 feet of existing channel, installation of an approach, and installation of a new concrete covered earthen berm outlet control structure at station 23+50 to allow efficient passage of high flood flows but retain previous low flow hydrological elevation control. The 880 feet long (0.816 acre) channel was impacted by installation of a channel block and the flow diverted

into a newly constructed 1,100 feet long channel (0.925 acre). The applicant proposes this serve as compensatory mitigation. Approximately 12,149 cubic yards of dredged material was excavated during project construction, of which 1,720 cubic yards of topsoil will be replaced. Most of the work involved silt removal in areas where topsoil replacement will not be needed. The sidecast dredged material will be removed for permanent disposal in an upland site.

The purpose of the project is to reduce flooding impacts to residential dwellings by improving the drainage capabilities of the channel to handle the projected flows of a 100-year flood event through the watershed. Background information on the original ditch construction indicates the work was performed in the 1950's and subsequent maintenance operations were performed on two occasions in the 1970's and 1990's to remove debris and reestablish flow through the property to prevent flooding of adjacent upstream properties.

The South Dakota Department of Environment and Natural Resources, Division of Environmental Services, 523 East Capitol Avenue, Pierre, South Dakota, 57501-3181, will review the proposed project for state certification in accordance with the provisions of Section 401 of the Clean Water Act. The certification, if issued, will express the State's opinion that the operations undertaken by the applicant will not result in a violation of applicable water quality standards. The South Dakota Department of Environment and Natural Resources hereby incorporates this public notice as its own public notice and procedures by reference (ARSD 74:51:01).

Omaha District will comply with the National Historic Preservation Act of 1966, as amended. We have checked the National Register of Historic Places and "its current supplements," and no property listed in the Register or proposed for listing is located in the permit area. This is the extent of our knowledge about historic properties in the permit area at this time. However, we will evaluate input by the State Historic Preservation Officer and the public in response to this public notice, and we may conduct or require a reconnaissance survey of the permit area or check for unknown historic properties, if warranted.

In compliance with the Endangered Species Act, a preliminary determination has been made that the described work will not affect species designated as threatened or endangered or adversely affect critical habitat. In order to complete our evaluation of this activity, comments are solicited from the U.S. Fish and Wildlife Service and other interested agencies and individuals.

The decision whether to issue a permit will be based on an evaluation of the probable impacts including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposals must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the activity will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production, and, in general the needs and welfare of the people. In addition, the evaluation of the impacts of the project on public interest will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act (40 CFR Part 230).

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

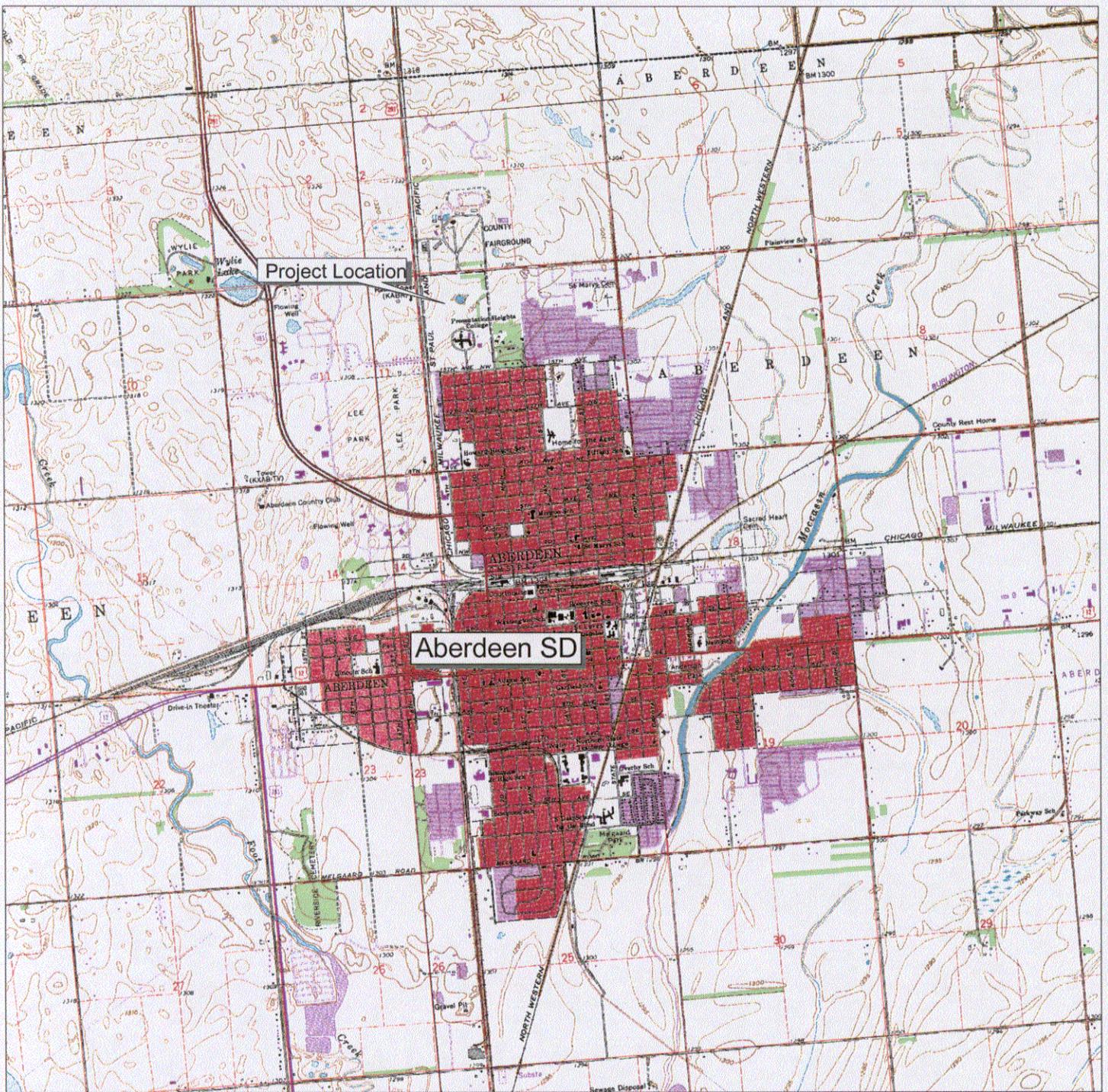
Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reason for holding a public hearing. The request must be submitted to the US Army Corps of Engineers, South Dakota Regulatory Office, 28563 Powerhouse Road, Room 118, Pierre, South Dakota 57501.

Any interested party (particularly officials of any town, city, county, state, Federal agency, Indian Tribe, or local association whose interests may be affected by the proposed work) is invited to submit to this office, written facts, arguments, or objections on or before January 23, 2004. Any agency or individual having an objection to the proposed work should specifically identify it as an objection with clear and specific reasons. Comments, both favorable and unfavorable, will be accepted, made a part of the record and will receive full consideration in subsequent actions on this permit application. All replies to the public notice should be addressed to the address listed in the previous paragraph. Bill Baer, telephone number (605) 224-8531, may be contacted for additional information.

Comments received after the close of the business day on the expiration date of this public notice will not be considered.

This project, if authorized, will be under the provisions of Section 404 of the Clean Water Act.

Drawings showing the location and extent of the work are attached to this notice.



Application by
City of Aberdeen

Adjacent Property Owners

Action ID: 200230083

Purpose: Flood Control Measures

State: South Dakota

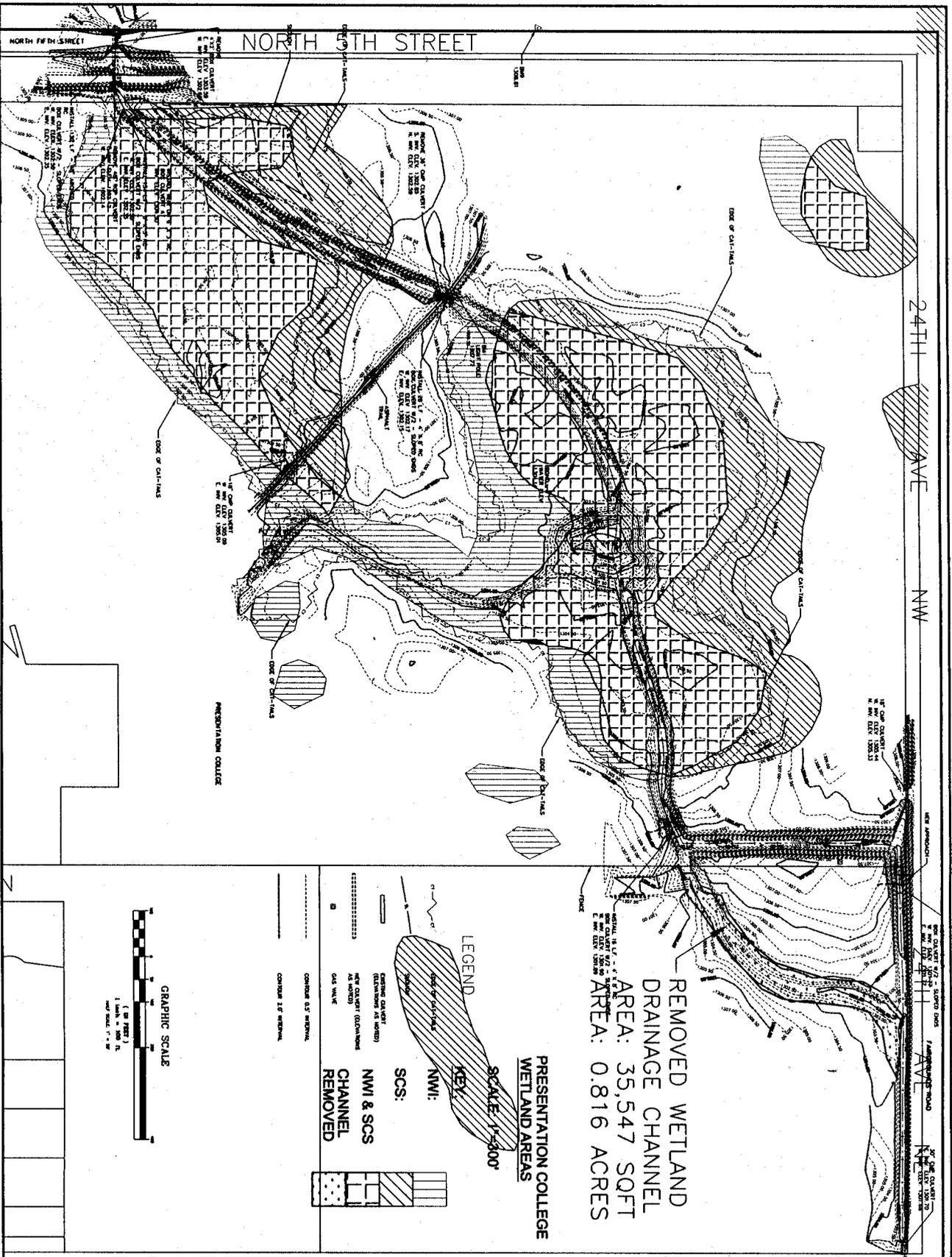
County: Brown

Legal: Sec. 12, T123 North, R64 West

River Mile:

Lat: 45-29-10.4519

Long: 98-29-27.5380



**REMOVED WETLAND
 DRAINAGE CHANNEL**
 AREA: 35,547 SQFT
 AREA: 0.816 ACRES

**PRESENTATION COLLEGE
 WETLAND AREAS**
 SCALE: 1"=300'
KEY
 NW1:
 SCS:
 NW1 & SCS
 CHANNEL
 REMOVED

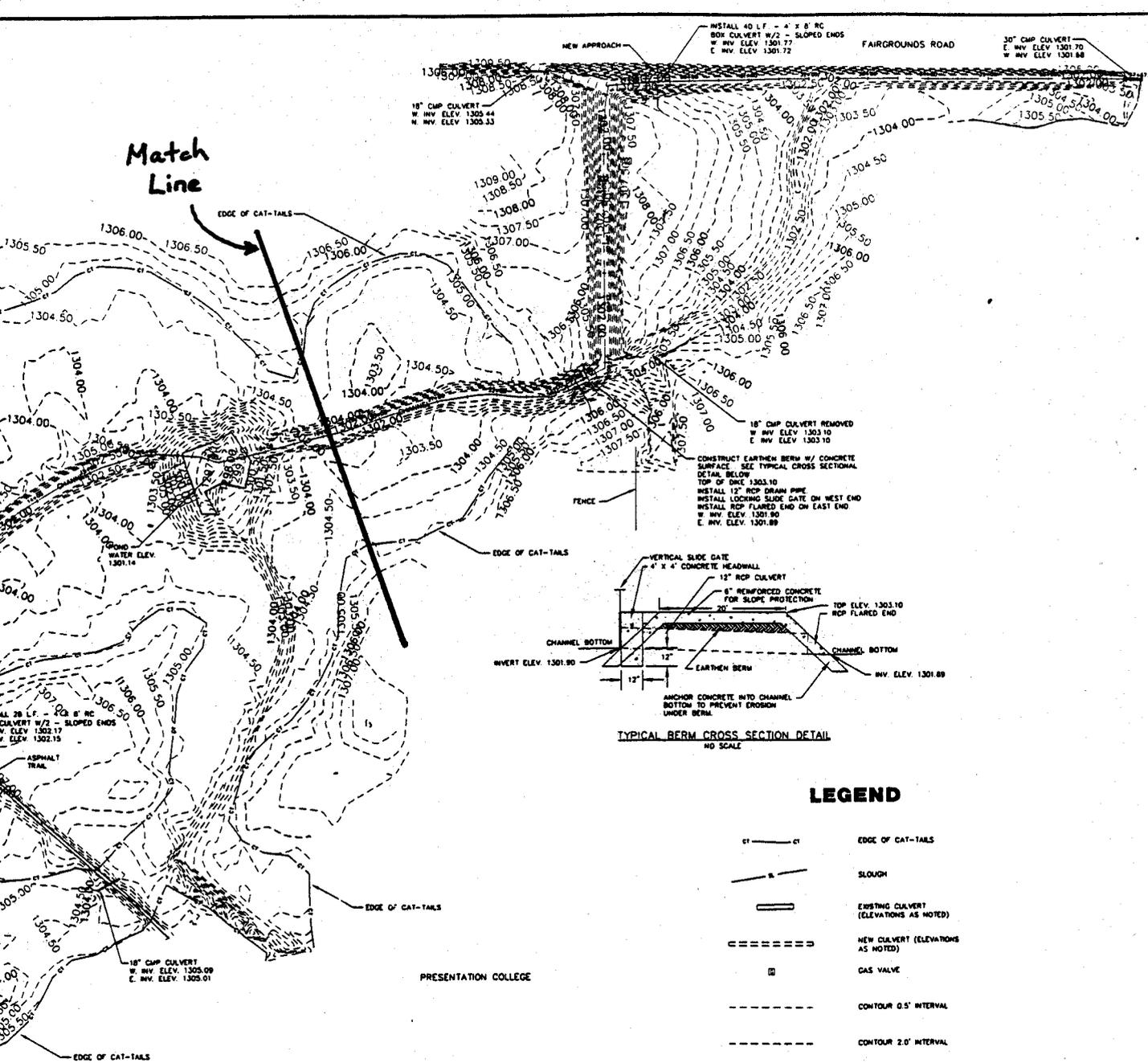


PURPOSE: Flood Control Measures
APPLICATION BY: City of Aberdeen SD
APPLICATION NO. 200230083

IN: Unnamed Tributary/Wetlands
AT: S12, T123N, R64W
COUNTY: Brown
DATE: 1/2/2004

SHEET 2 of 10

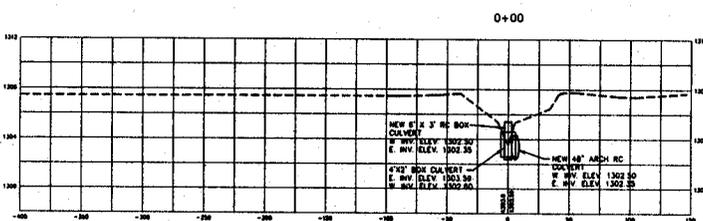
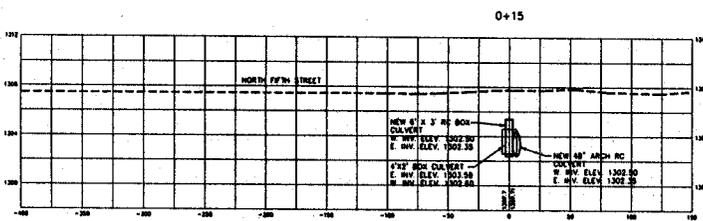
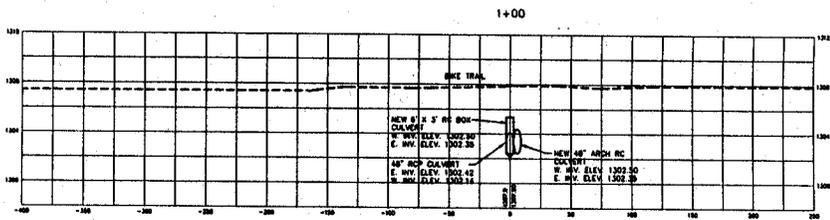
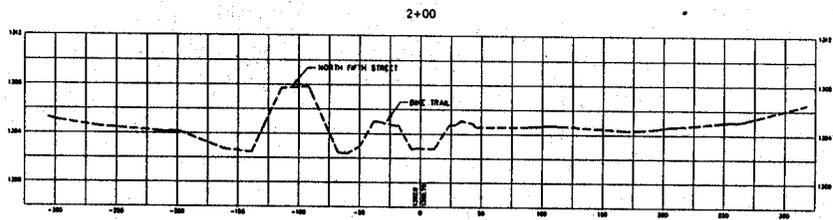
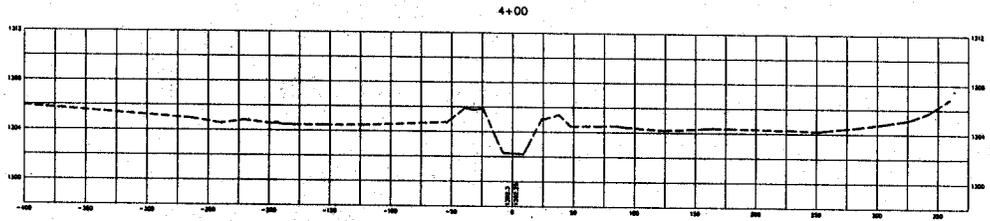
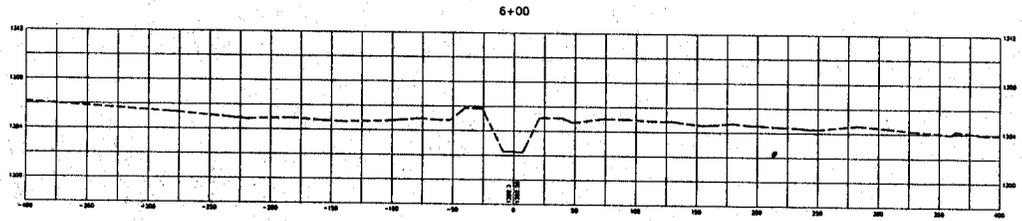
1 of 6	PRESENTATION COLLEGE WETLANDS TOPOGRAPHIC SURVEY		Drawn By: CDH Chk' by: ENG	HELMS and ASSOCIATES CONSULTING ENGINEERS AND LAND SURVEYORS P.O. BOX 111 - 221 BROWN COUNTY HIGHWAY #18, ABERDEEN, SOUTH DAKOTA 57401 - PHONE: (605)225-1212 - FAX: (605)225-3189	No. Revisions By App Date
	NORTH FIFTH STREET ABERDEEN, SOUTH DAKOTA		PROJ. #: A-3423 DWG: 3423-PH1 SLOUG DATE: 10/2000		



Drawn By: CDH	CHK by: ENG	PROJ #: A-2423	DWG. NO: PWB 1008H	DATE: 01/20/03
<p>H HELMS and ASSOCIATES CONSULTING ENGINEERS AND LAND SURVEYORS P.O. BOX 111 - 221 BROWN COUNTY HIGHWAY, 8TH AND 9TH SOUTH DAKOTA 57401 - PHONE (605)325-1212 - FAX (605)225-3188</p>				
<p>PRESENTATION COLLEGE WETLANDS TOPOGRAPHIC SURVEY</p> <p>NORTH FIFTH STREET ABERDEEN, SOUTH DAKOTA</p>				
<p>1 OF 6</p>				

PURPOSE: Flood Control Measures
APPLICATION BY: City of Aberdeen SD
APPLICATION NO. 200230083

IN: Unnamed Tributary/Wetlands
AT: S12, T123N, R64W
COUNTY: Brown
DATE: 1/2/2004



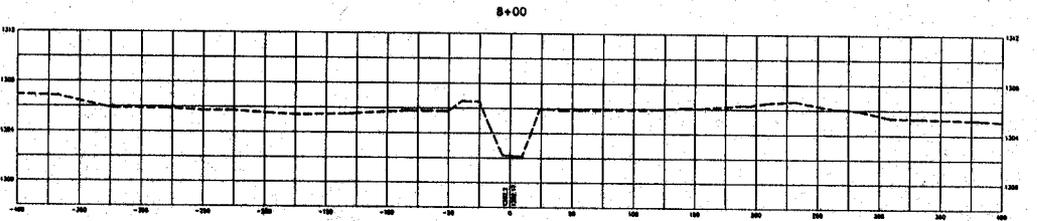
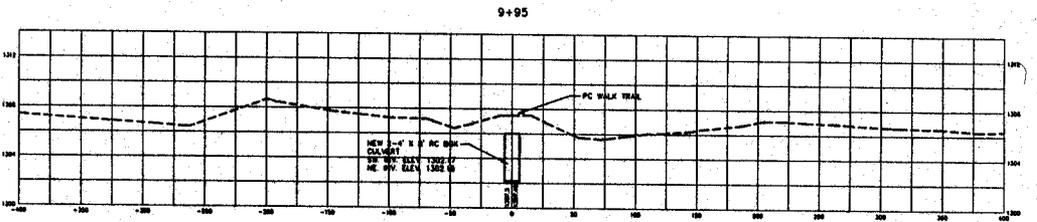
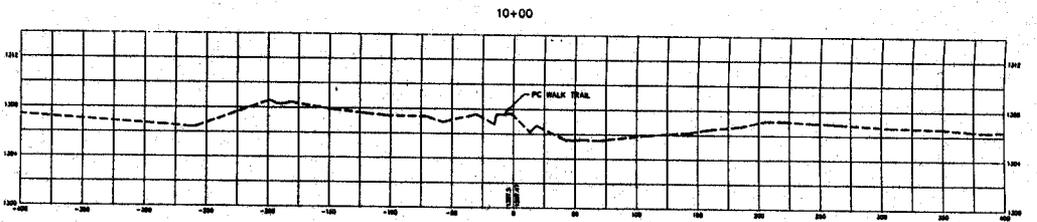
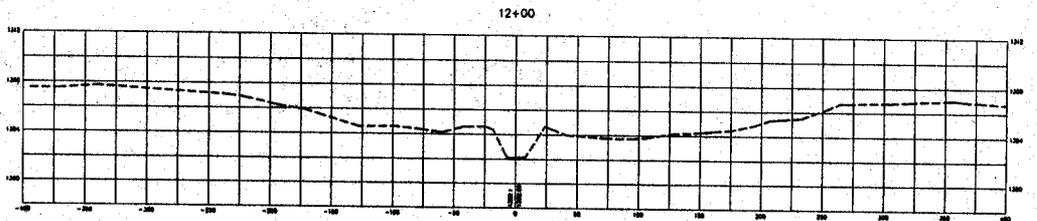
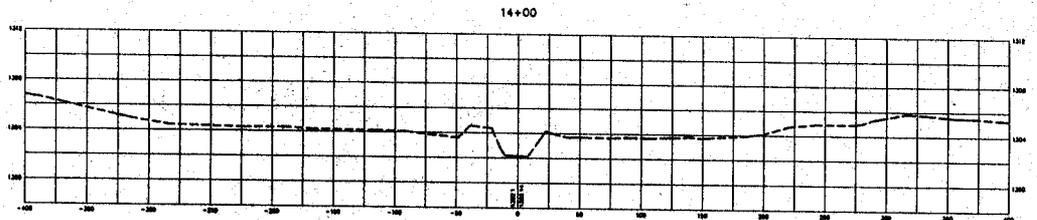
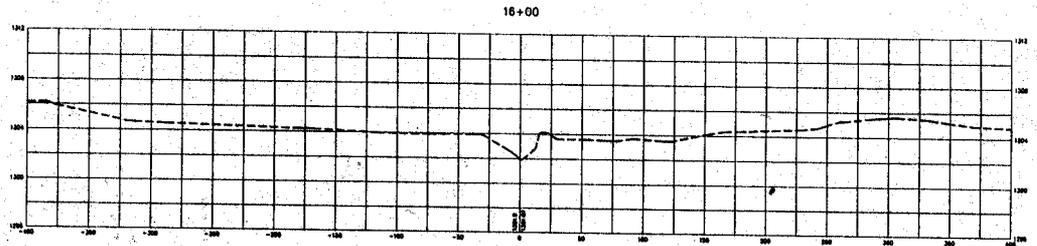
SCALE:
 HORIZ = 1" = 50'
 VERT = 1" = 5'
 HALF SCALE:
 HORIZ = 1" = 100'
 VERT = 1" = 10'

PURPOSE: Flood Control Measures
 APPLICATION BY: City of Aberdeen SD
 APPLICATION NO. 200230083

SHEET 5 of 10

IN: Unnamed Tributary/Wetlands
 AT: S12, T123N, R64W
 COUNTY: Brown
 DATE: 1/2/2004

2 of 6	PRESENTATION COLLEGE WETLANDS CROSS SECTIONS		Drawn By: CDH	HELMs and ASSOCIATES CONSULTING ENGINEERS AND LAND SURVEYORS P.O. BOX 111 - 221 BROWN COUNTY HIGHWAY #18, ABERDEEN, SOUTH DAKOTA 57401 - PHONE: (605)225-1212 - FAX: (605)225-3189	<small> HELMS AND ASSOCIATES CONSULTING ENGINEERS AND LAND SURVEYORS P.O. BOX 111 - 221 BROWN COUNTY HIGHWAY #18, ABERDEEN, SOUTH DAKOTA 57401 - PHONE: (605)225-1212 - FAX: (605)225-3189 THIS DRAWING IS THE PROPERTY OF HELMS AND ASSOCIATES. IT IS TO BE USED ONLY FOR THE PROJECT AND LOCATION SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF HELMS AND ASSOCIATES. </small>
	NORTH FIFTH STREET ABERDEEN, SOUTH DAKOTA		Crk' by: ENG PROJ #: A-3483 DWG: 3483-PWT-CROSS DATE: 10/2003		



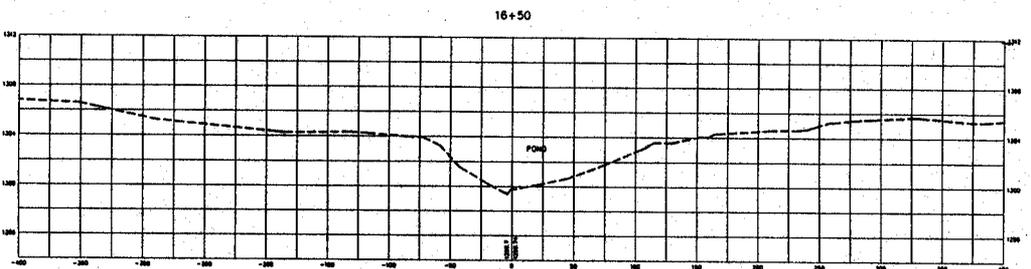
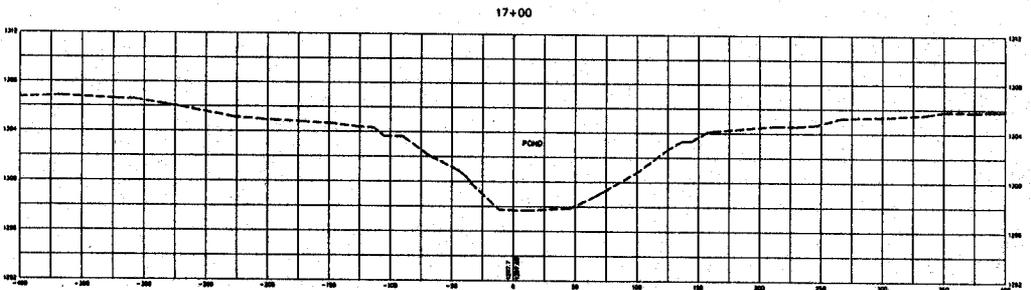
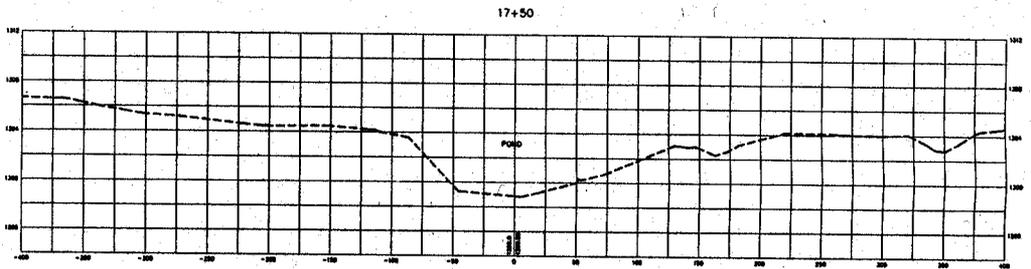
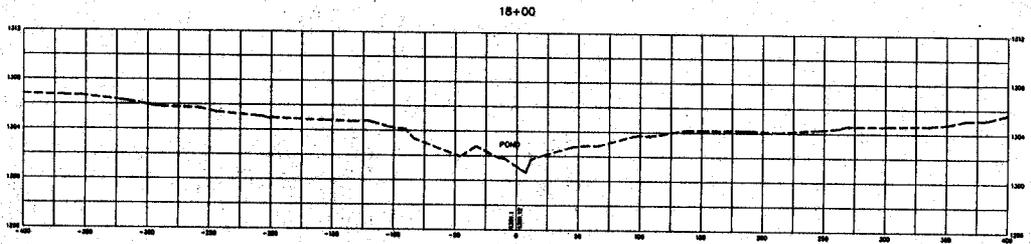
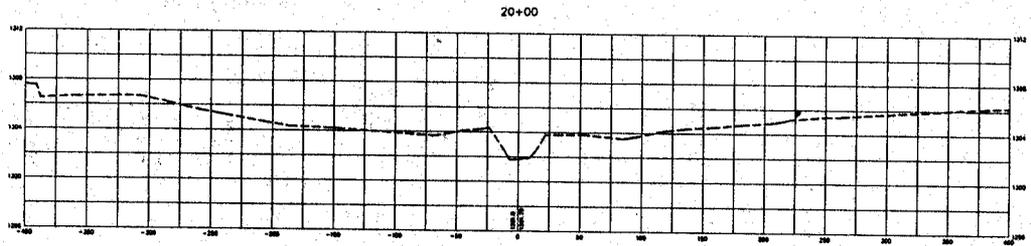
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 VERT = 1" = 5'
 HORIZ = 1" = 100'
 VERT = 1" = 10'

PURPOSE: Flood Control Measures
 APPLICATION BY: City of Aberdeen SD
 APPLICATION NO. 200230083

IN: Unmanned Tributary/Wetlands
 AT: S12, T123N, R64W
 COUNTY: Brown
 DATE: 1/2/2004

SHEET 6 of 10

	PRESENTATION COLLEGE WETLANDS CROSS SECTIONS		Drawn By: COH
	NORTH FIFTH STREET ABERDEEN, SOUTH DAKOTA		Chk' by: ENG
			PROJ #: A-8428
			DATE: 10/2003
HELMS and ASSOCIATES CONSULTING ENGINEERS AND LAND SURVEYORS P.O. BOX 111 - 221 BROWN COUNTY HIGHWAY 27R, ABERDEEN, SOUTH DAKOTA 57401 - PHONE: (605)225-1212 - FAX: (605)225-2189			No. Revisions By App Date



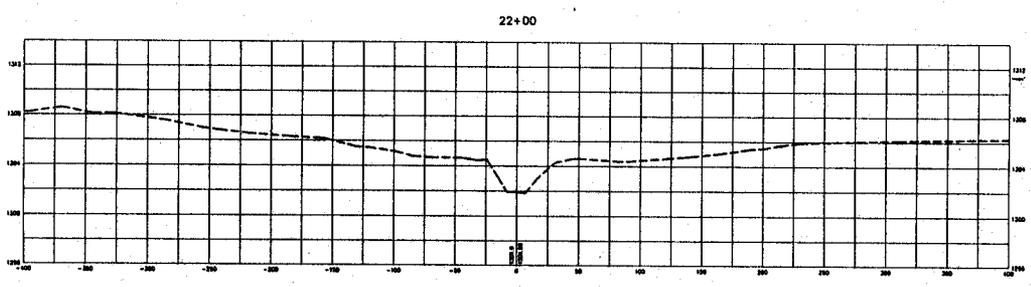
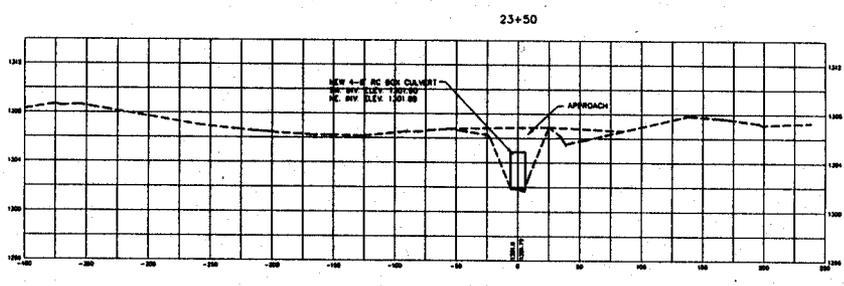
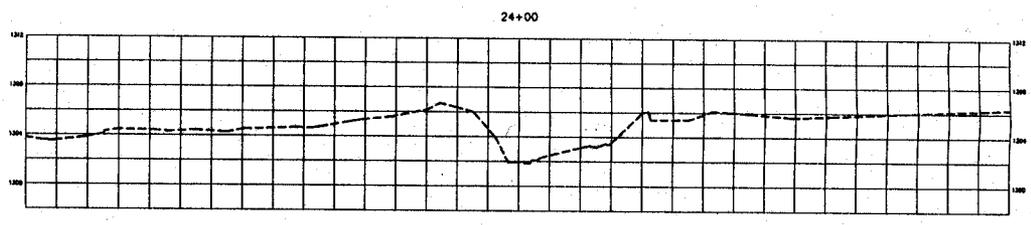
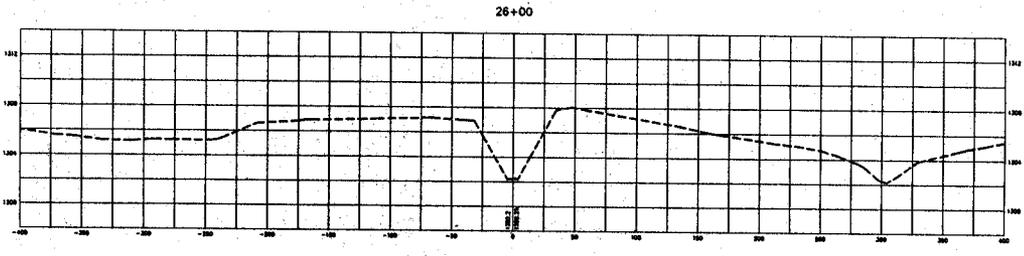
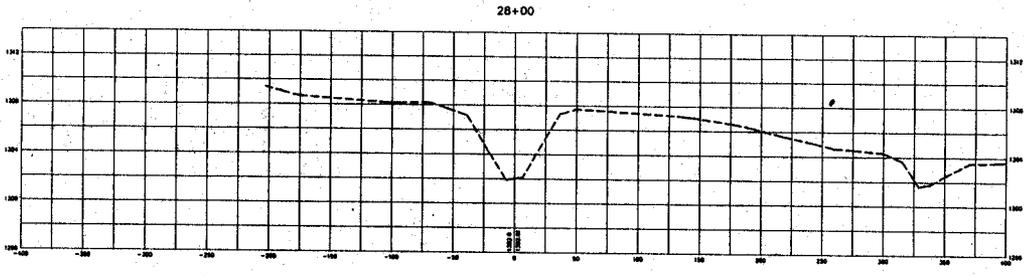
SCALE:
HORIZ. = 1" = 50'
VERT. = 1" = 5'
HALF SCALE
HORIZ. = 1" = 100'
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PURPOSE: Flood Control Measures
APPLICATION BY: City of Aberdeen SD
APPLICATION NO. 200230083

SHEET 7 of 10

IN: Unnamed Tributary/Wetlands
AT: S12, T123N, R64W
COUNTY: Brown
DATE: 1/2/2004

4 of 6	PRESENTATION COLLEGE WETLANDS CROSS SECTIONS		Drawn By: CDH		No. Elevation By App. Date
	NORTH FIFTH STREET ABERDEEN, SOUTH DAKOTA		CHK' by: EHG		



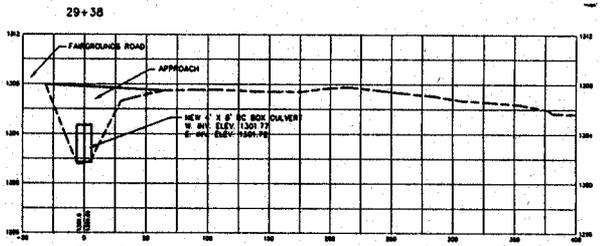
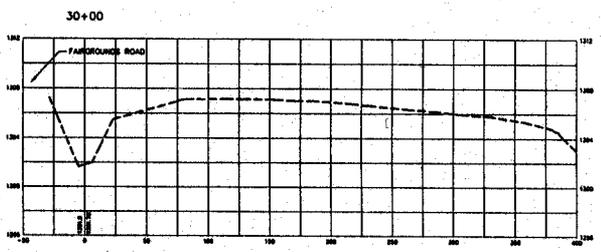
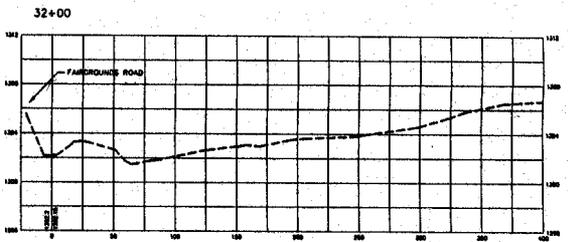
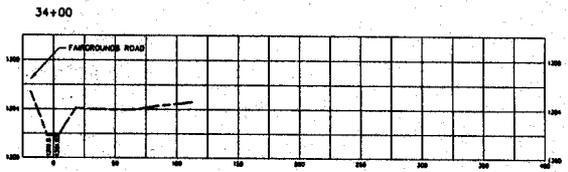
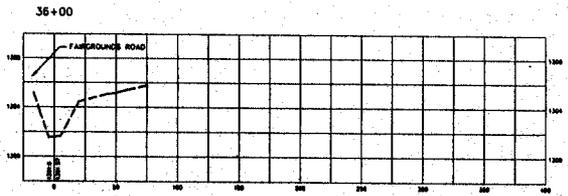
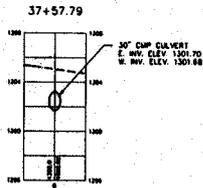
SCALE:
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PURPOSE: Flood Control Measures
 APPLICATION BY: City of Aberdeen SD
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SHEET 8 of 10

IN: Unnamed Tributary/Wetlands
 AT: S12, T123N, R64W
 COUNTY: Brown
 DATE: 1/2/2004

5 OF 6	PRESENTATION COLLEGE WETLANDS CROSS SECTIONS		Drawn By: CGH	 HELMS and ASSOCIATES CONSULTING ENGINEERS AND LAND SURVEYORS P.O. BOX 111, 221 BROWN COUNTY HIGHWAY #18, ABERDEEN, SOUTH DAKOTA 57401 - PHONE: (605)223-1212 - FAX: (605)223-3180	No. Revisions By App. Date
	NORTH FIFTH STREET ABERDEEN, SOUTH DAKOTA		Chk' by: BNG		
			PROJ #: A-3423		
			DWG: 348-PWT-BLUSH DATE: 10/2003		



SCALE:
HORIZ = 1" = 50'
VERT = 1" = 5'
HALF SCALE
HORIZ = 1" = 100'
VERT = 1" = 10'

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APPLICATION NO. 200230083

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AT: S12, T123N, R64W
COUNTY: Brown
DATE: 1/2/2004

SHEET 9 of 10

**PRESENTATION COLLEGE WETLANDS
CROSS SECTIONS**

NORTH FIFTH STREET
ABERDEEN, SOUTH DAKOTA

Drawn By: CDH
Chk' by: ENG
PROJ #: A-9483
DWG: M&P/BLS/SHJ
DATE: 10/2005

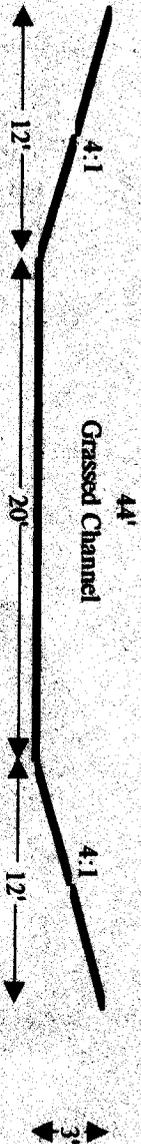
HELMs and ASSOCIATES
CONSULTING ENGINEERS AND LAND SURVEYORS

P.O. BOX 111 - 221 BROWN COUNTY HIGHWAY 818, ABERDEEN,
SOUTH DAKOTA 57401 - PHONE: (605)225-1212 - FAX: (605)225-3189

REVISIONS

No.	Revision	By	App.	Date

North 5th Street Drainage Channel
 City of Aberdeen
 A-3423



$$Q = \frac{1.486}{n} * A * R^{2/3} * S^{1/2}$$

n = 0.035
 S = 0.00018

A = 96.0 sq.ft
 WP = 44.74 ft
 R^{2/3} = 1.66
 Q = 91.0 cfs

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 APPLICATION NO. 200230083

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