



US Army Corps
of Engineers®
New England District

696 Virginia Road
Concord, MA 01742-2751

PUBLIC NOTICE

Date: March 2, 2004

Comment Period Ends: April 1, 2004

File Number: 200301572

In Reply Refer To: Michael J. Elliott

E-mail address: michael.j.elliott@usace.army.mil

The Rhode Island Department of Environmental Management (RIDEM); Division of Planning and Development; 235 Promenade Street; Providence, Rhode Island 02908; has requested a Corps of Engineers permit under Section 404 of the Clean Water Act to place fill in water and wetlands to repair and make safety improvements at the Stillwater Reservoir Dam in Smithfield, Rhode Island. The 3000-foot long dam is in poor condition and has a high hazard potential. The proposed project is shown on the attached reduced size plans and is described below. Full-size plans are available for viewing at this Corps office, at RIDEM and at the Smithfield Town Hall in the Engineering Department.

- Work includes upstream slope improvements consisting of grading and riprap placement to armor the dam; repairs to the concrete wall and gatehouse; replace the low-level outlet retaining wall/wingwalls and extend outlet culvert; replace concrete spillway, riprap apron and spillway discharge channel; construct a 400-foot wide emergency spillway at the north dike including installing concrete block protection and riprap apron; place embankment fill on downstream side of dam to provide 3:1 slopes; provide for 15-foot clear zone at toe of downstream embankment for equipment access; create fishing and small boat access at four locations along the south dike; and install four handicapped fishing stations along the crest of the dam.
- The water level will be lowered by a maximum of 5-feet (to elevation 202.0') to facilitate the work. Drawdown will only be allowed from July 9 to October 15.
- Impacts to water (Stillwater Reservoir on upstream side and Woonasquatucket River on the downstream side) and wetlands are 1.8 acres. Of this, 1.17 acres is wetlands.

The project site is at lat/long coordinates N41°-54'-32" and W71°-32'-30". To properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. Comments should be submitted in writing by the above date. If you have any questions, please contact Michael Elliott at (978) 318-8131 or use our toll free number (800) 343-4789 or (800) 362-4367 if calling from within Massachusetts.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments, when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

SEE NEXT PAGE FOR
DETAILS OF EVALUATION
FACTORS

Robert J. DeSista
Chief, Permits & Enforcement Section
Regulatory Branch

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity in the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, 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.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972 as amended.

Based on his initial review, the District Engineer has determined that little likelihood exists for the proposed work to impinge upon properties listed in, or eligible for listing in, the National Register of Historic Places, and no further consideration of the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended, is necessary. This determination is based upon one or more of the following:

- a. The permit area has been extensively modified by previous work.
- b. The permit area has been recently created.
- c. The proposed activity is of limited nature and scope.
- d. Review of the latest published version of the National Register shows that no presence of registered properties listed as being eligible for inclusion therein are in the permit area or general vicinity.

Pursuant to the Endangered Species Act, the District Engineer is hereby requesting that the appropriate Federal Agency provide comments regarding the presence of and potential impacts to listed species or its critical habitat.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice.

The following authorizations have been applied for, or have been, or will be obtained:

- Permit, License or Assent from State.
- Permit from Local Wetland Agency or Conservation Commission.
- Water Quality Certification in accordance with Section 401 of the Clean Water Act.

The States of Connecticut, Maine, Massachusetts, New Hampshire and Rhode Island have approved Coastal Zone Management Programs. Where applicable the applicant states that any proposed activity will comply with and will be conducted in a manner that is consistent with the approved Coastal Zone Management Program. By this Public Notice, we are requesting the State concurrence or objection to the applicant's consistency statement.

All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.

If you would prefer not to continue receiving public notices, please check here () and return this portion of the public notice to: U.S. Army Corps of Engineers – New England District, ATTN: Regulatory Branch, 696 Virginia Road, Concord, MA 01742-2751.

NAME:
ADDRESS:



IMPROVEMENTS TO STILLWATER RESERVOIR DAM

SMITHFIELD, RHODE ISLAND
DECEMBER 2003

PREPARED FOR:



STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

PREPARED BY:



GeoEnvironmental, Inc.
40 BROADWAY, PROVIDENCE, RI 02803
(401) 421-4440 Fax: (401) 751-8818

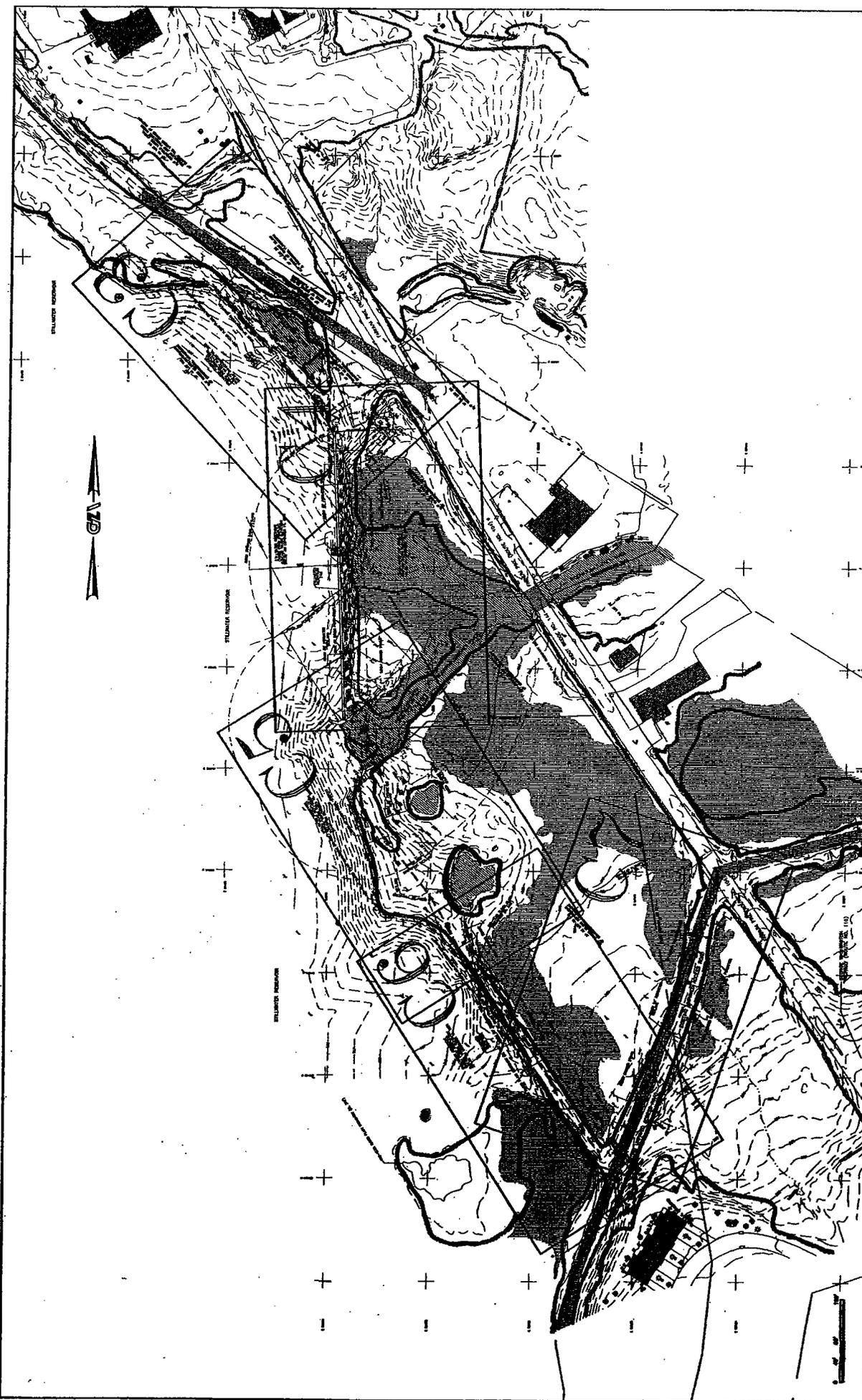


YOUR DESIGNER
FOR EARTHWORK
WITH RESOURCE CENTER
IN PROVIDENCE, RHODE ISLAND 02803

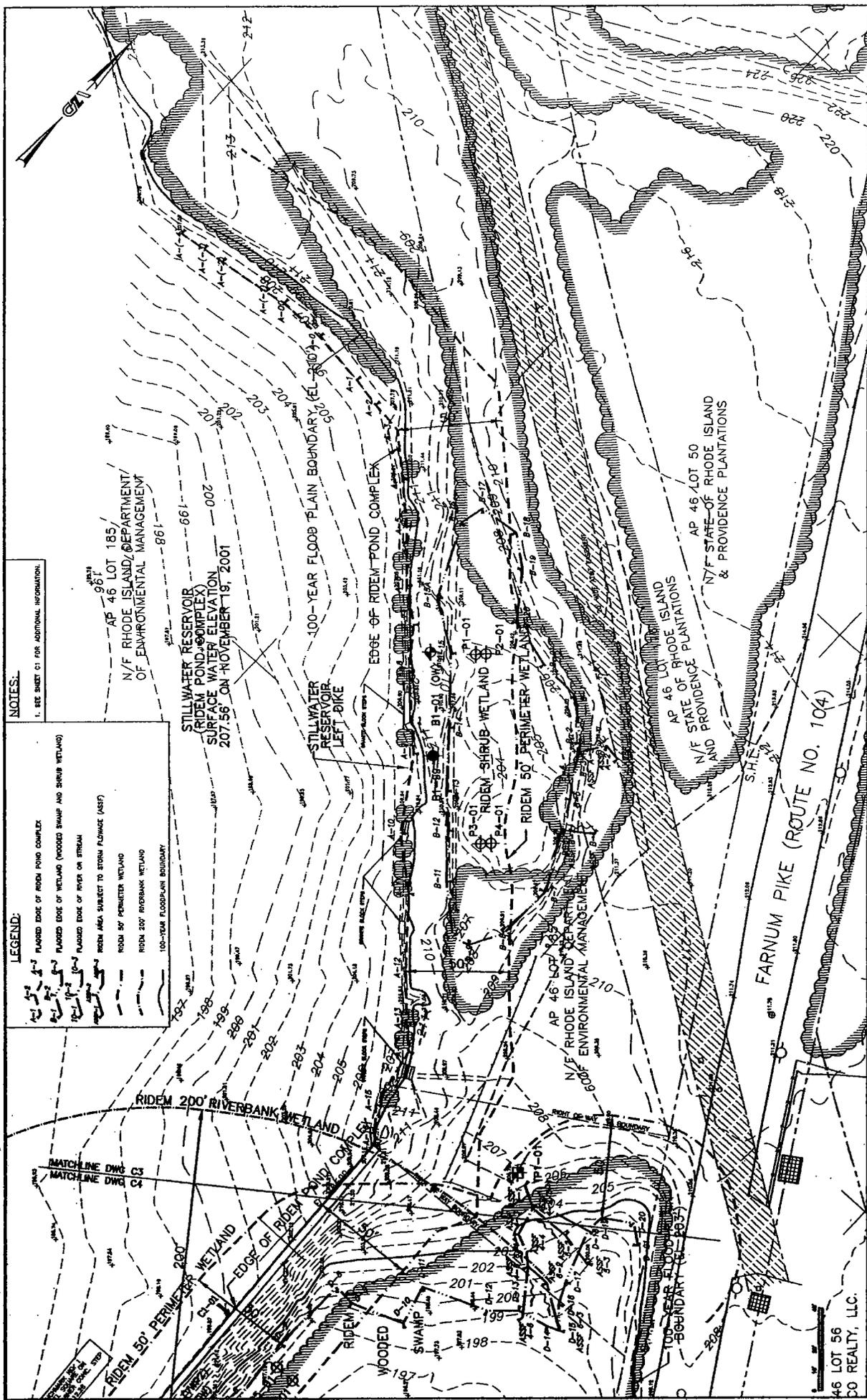


SITE LOCUS

INDEX TO SHEETS	
SHEET DRAWING NO.	TITLE
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3	C-2 EXISTING CONDITIONS PLAN AND SHEET INDEX
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		STATE OF RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT DIVISION OF PLANNING AND DEVELOPMENT			
No.	Description	Date	IMPROVEMENTS TO STILLWATER RESERVOIR DAM RIDEM DAM NO. 103 PLAT NO. 46 PART OF LOT NO. 49 FARNUM PIKE (ROUTE NO. 104) SMITHFIELD, RHODE ISLAND		
Design by: ISM Drawn by: SM Checked by: WLL Date: DEC. 2003 Scale: 1" = 60' Project No.: 050809.00		DESIGN BY: ISM DRAWN BY: SM CHECKED BY: WLL DATE: DEC. 2003 SCALE: 1" = 60' PROJECT NO.: 050809.00			
EXISTING CONDITIONS PLAN AND SHEET INDEX			C2 SHEET 3 OF 22		



NOTES:
 1. SEE SHEET C1 FOR ADDITIONAL INFORMATION.

LEGEND:

- PLANNED EDGE OF RIDEM POND COMPLEX
- PLANNED EDGE OF WETLAND (WOODED SWAMP AND SHRUB WETLAND)
- PLANNED EDGE OF RIVER OR STREAM
- WETLAND AREA SUBJECT TO STORM FLOWAGE (ASF)
- ROOF BY PERIMETER WETLAND
- ROOF 100' RIVERBANK WETLAND
- 100-YEAR FLOODPLAIN BOUNDARY

EXISTING CONDITIONS
PLAN - 1 OF 5



Design by: JSK
 Drawn by: JSK
 Checked by: WLL
 Date: DEC. 2009
 Scale: 1" = 20'
 Project No.: 35389.00

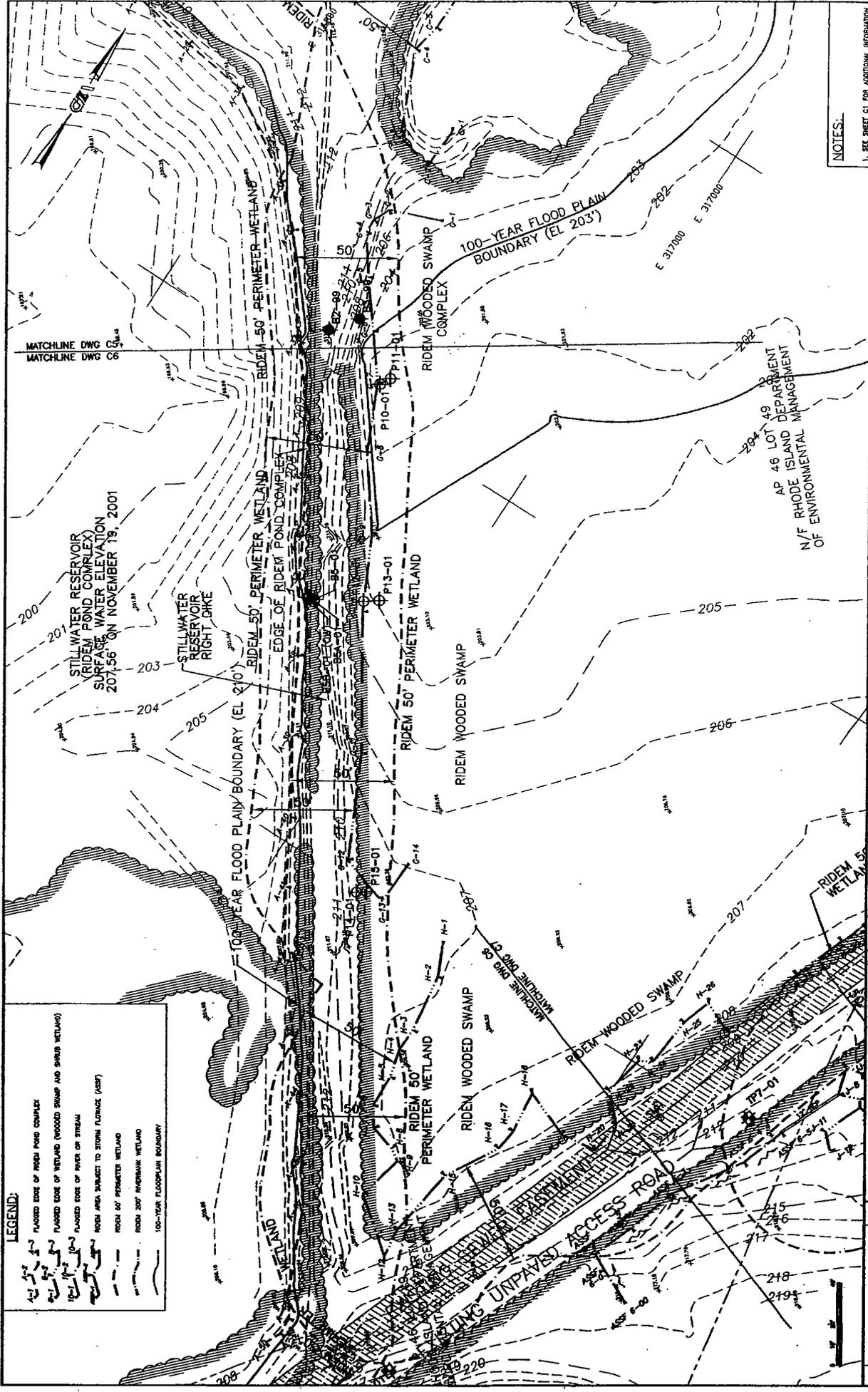
IMPROVEMENTS TO
 STILLWATER RESERVOIR DAM
 RIDEM DAM NO. 103
 PLAT NO. 48 PART OF LOT NO. 49
 FARNUM PIKE (ROUTE NO. 104)
 SMITHFIELD, RHODE ISLAND

STATE OF RHODE ISLAND
 DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 DIVISION OF PLANNING AND DEVELOPMENT

No.	Description	Date

46 LOT 56
 CO REALTY, LLC.

GZA
 Geospatial, Inc.



LEGEND:

	FLOODED EDGE OF RIDEM POND COMPLEX
	FLOODED EDGE OF WETLAND (WOODED SWAMP AND SHRUB WETLAND)
	FLOODED EDGE OF RIVER OR STREAM
	FLOOD AREA SUBJECT TO STORM SURGE (ASST)
	RIDEM 50' PERIMETER WETLAND
	RIDEM 200' RIPARIAN WETLAND
	100-YEAR FLOODPLAIN BOUNDARY

NOTES:
1. SEE SHEET C1 FOR ADDITIONAL INFORMATION.

EXISTING CONDITIONS
PLAN - 4 OF 5
C6
SHEET 7 OF 22



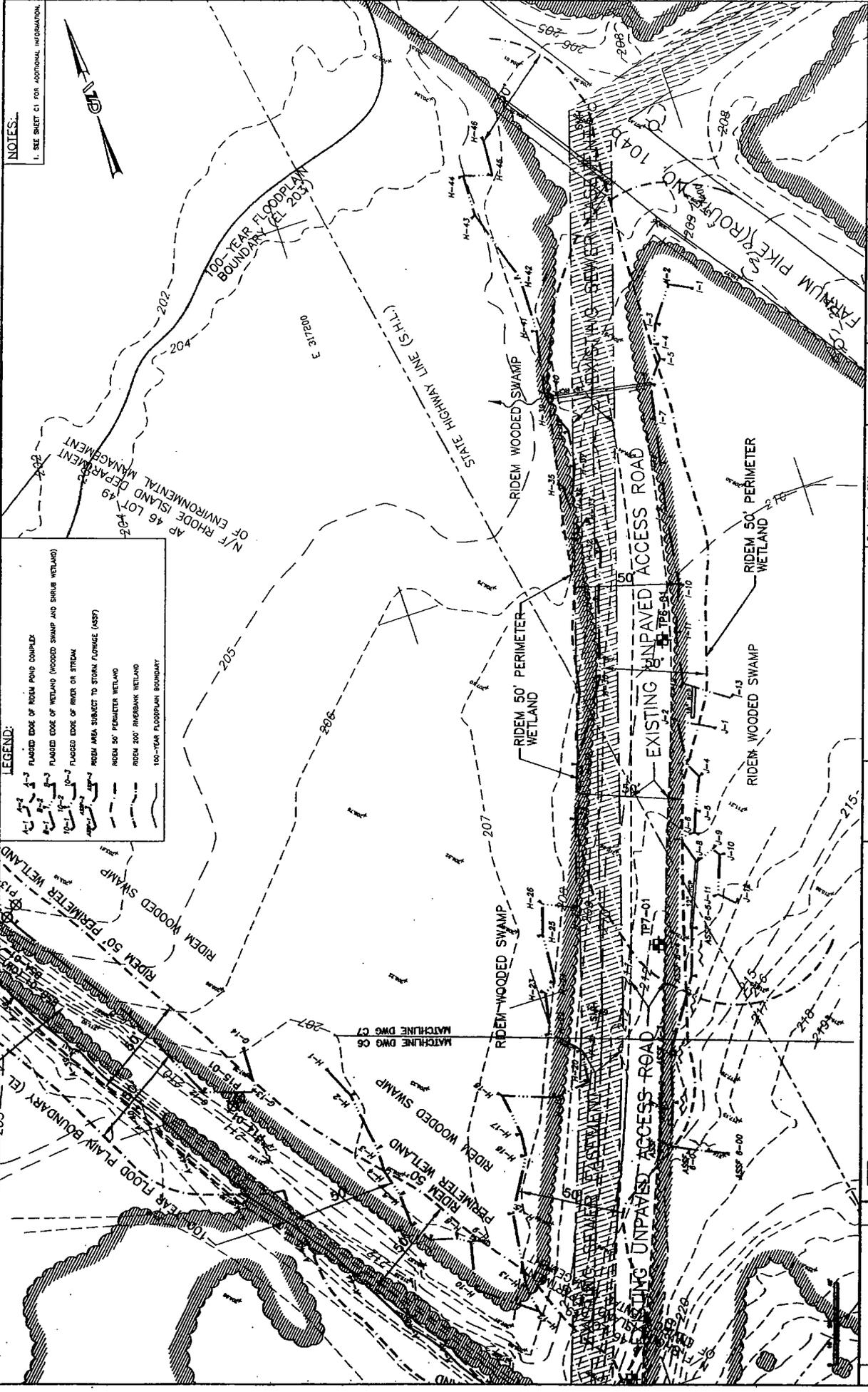
Design by ISM
Drawn by ISM
Checked by WLL
Date: DEC. 2003
Scale: 1" = 20'
Project No.: 82286.00

IMPROVEMENTS TO
STILLWATER RESERVOIR DAM
RIDEM DAM NO. 103
PLAT NO. 48 PART OF LOT NO. 48
FARNUM PIKE (ROUTE NO. 104)
SMITHFIELD, RHODE ISLAND

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

No.	Description	Date





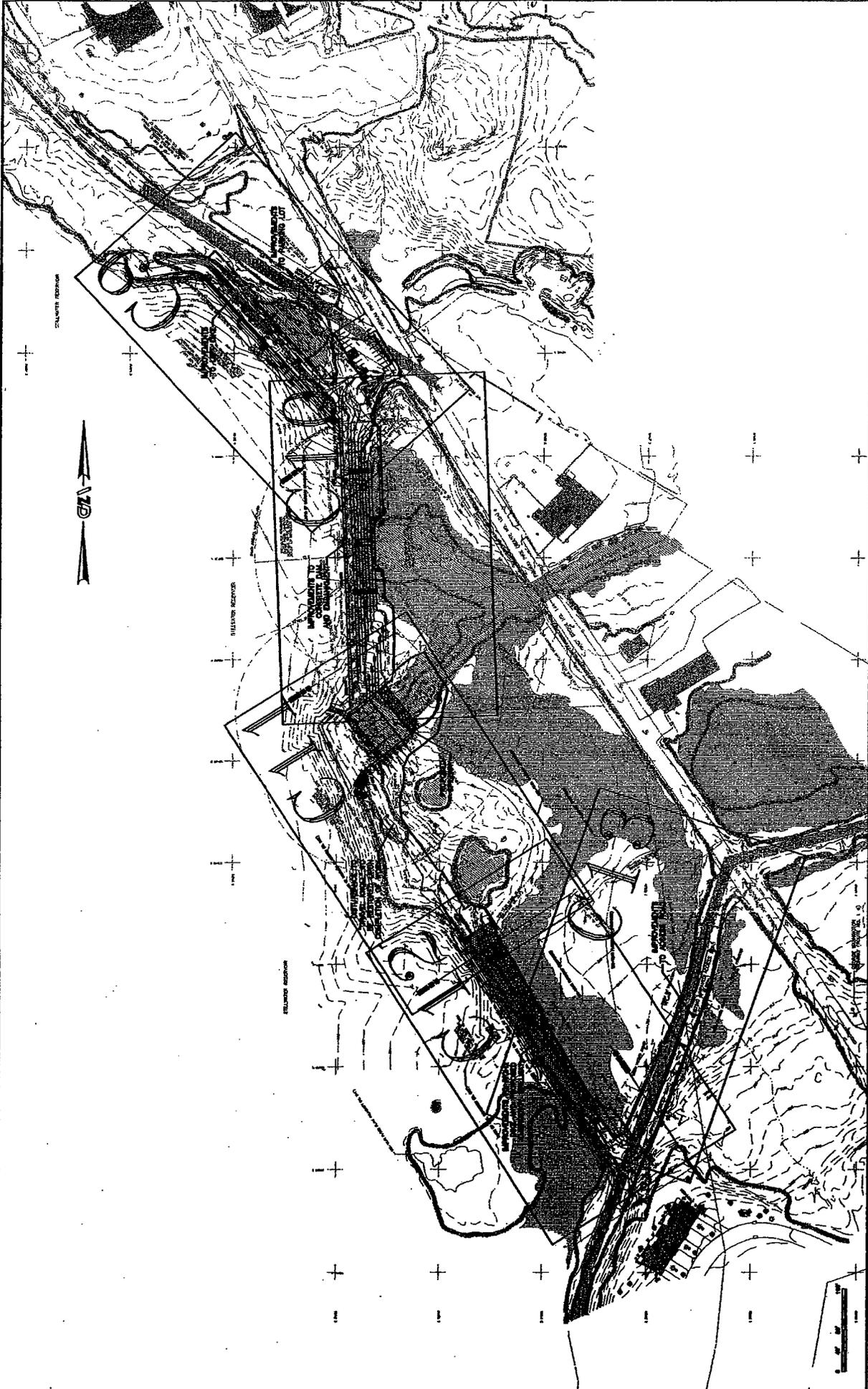
NOTES:

1. SEE SHEET C1 FOR ADDITIONAL INFORMATION.

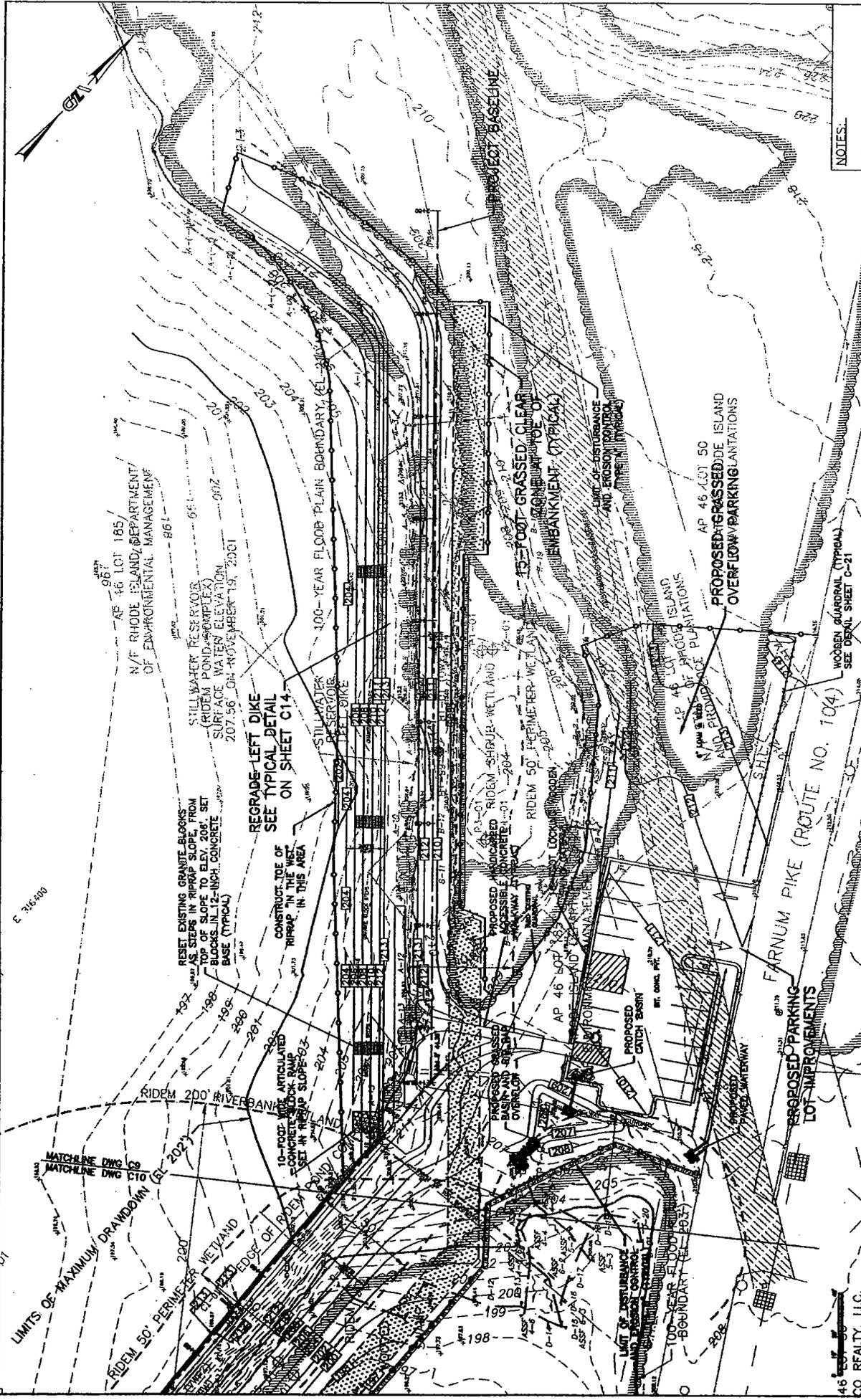
LEGEND:

- POND COMPLEX
- PLAGED EDGE OF WETLAND (WOODED SWAMP AND SHAR WETLAND)
- PLAGED EDGE OF RIVER OR STREAM
- RIDEM AREA SUBJECT TO STORAGE FURNACE (SST)
- RIDEM 50' PERIMETER WETLAND
- 100-YEAR FLOODPLAIN BOUNDARY

	<p>STATE OF RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT DIVISION OF PLANNING AND DEVELOPMENT</p>	<p>IMPROVEMENTS TO STILLWATER RESERVOIR DAM RIDEM DAM NO. 103 FLAT NO. 48 PART OF LOT NO. 48 FARRUM PIKE (ROUTE NO. 104) SMITHFIELD, RHODE ISLAND</p>	<p>EXISTING CONDITIONS PLAN - 5 OF 5</p>
			<p>Design by: JEM Drawn by: JEM Checked by: TLL Date: DEC. 2003 Scale: 1" = 50' Project No.: 028393.00</p>
			<p>C7</p>
			<p>SHEET 5 OF 25</p>



 STATES OF RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT DIVISION OF PLANNING AND DEVELOPMENT	IMPROVEMENTS TO STILLWATER RESERVOIR DAM RIDEM DAM NO. 103 PLAT NO. 46 PART OF LOT NO. 49 FARNUM PINE (ROUTE NO. 104) SMITHFIELD, RHODE ISLAND		PROPOSED CONDITIONS PLAN & SHEET INDEX	C8 <small>HEET 8 OF 22</small>								
					<small>Design by JSM/WLL Drawn by JSM Checked by WLL/WHE Date DEC. 2008 Scale 1" = 80' Project No.: 32289.00</small>							
<table border="1"> <thead> <tr> <th>No.</th> <th>Description</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	Date							 CZA Geotechnical, Inc.		
No.	Description	Date										



NOTES:
 1. SEE SHEET C1 FOR ADDITIONAL INFORMATION.

SEDIMENTATION & EROSION CONTROL AND PROPOSED GRADING PLAN
SHEET 1 OF 5



Design by JMK/WLL
 Drawn by JMK
 Checked by JMK/VEE
 Date: DEC. 2008
 Scale: 1" = 20'
 Project No. 823889.00

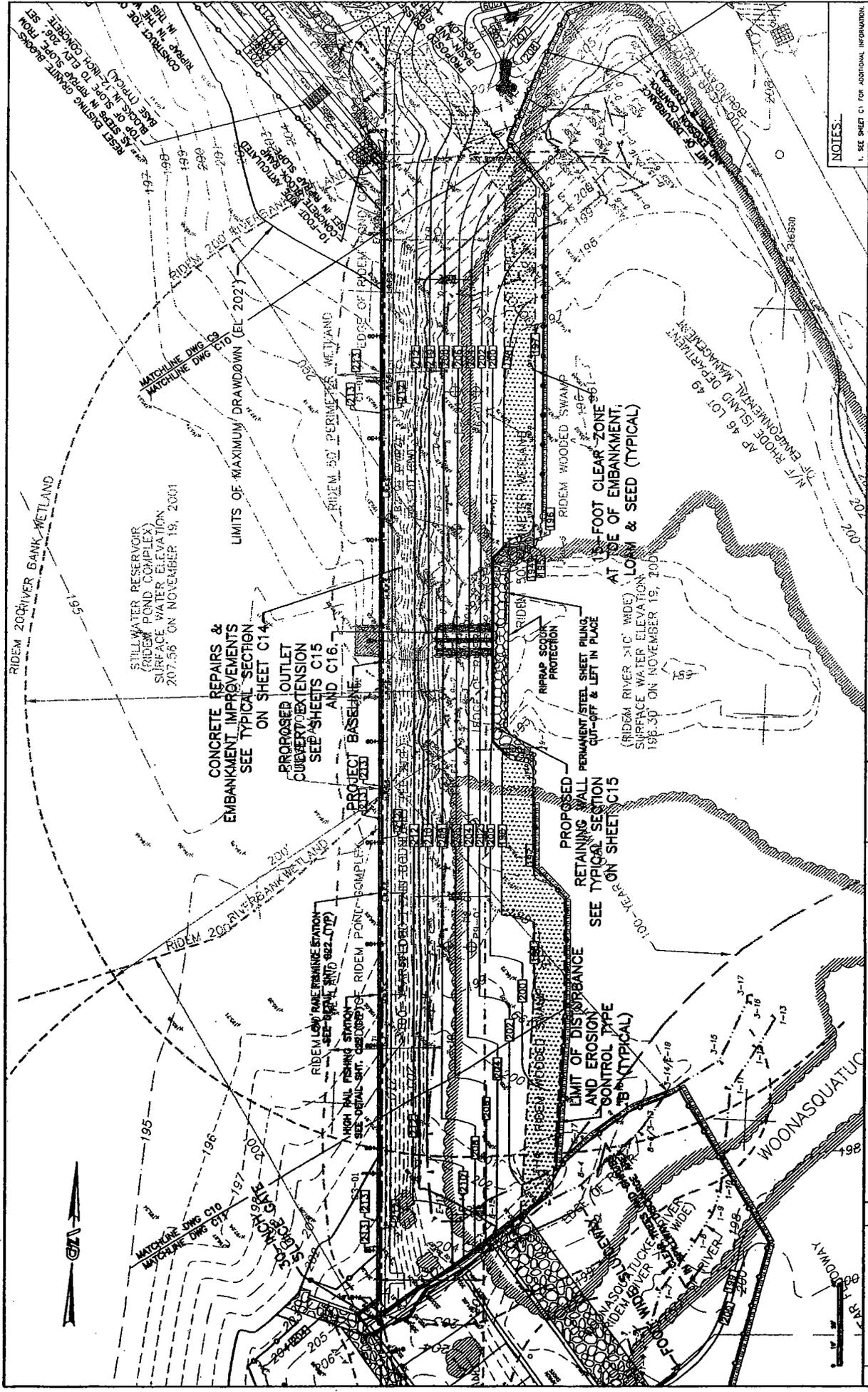
IMPROVEMENTS TO
 STILLWATER RESERVOIR DAM
 RIDEM DAM NO. 108
 PLAT NO. 46 PART OF LOT NO. 49
 FARNUM PIKE (ROUTE NO. 104)
 SMITHFIELD, RHODE ISLAND

STATE OF RHODE ISLAND
 DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 DIVISION OF PLANNING AND DEVELOPMENT

No.	Description	Date



CO. REALTY, LLC.



NOTES:
1. SEE SHEET C1 FOR ADDITIONAL INFORMATION.

SEDIMENTATION &
EROSION CONTROL AND
PROPOSED GRADING PLAN
SHEET 2 OF 5

DESIGN BY: JSM/LL
DRAWN BY: JSM
CHECKED BY: TLL/WRH
DATE: DEC. 2003
SCALE: 1" = 20'
PROJECT NO. 33889.00

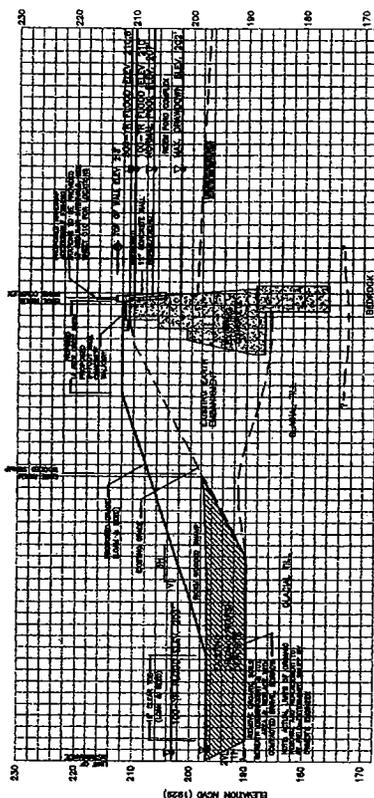


IMPROVEMENTS TO
STILLWATER RESERVOIR DAM
RIDEEM DAM NO. 103
PLAT NO. 46 (PART OF LOT NO. 49
FARNUM PIKE (ROUTE NO. 104)
SMITHFIELD, RHODE ISLAND

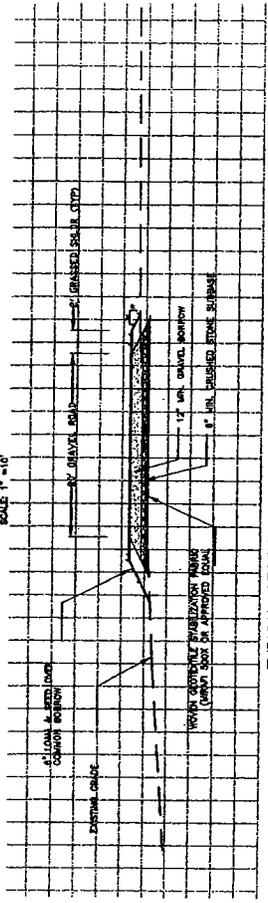
STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

No.	Description	Date

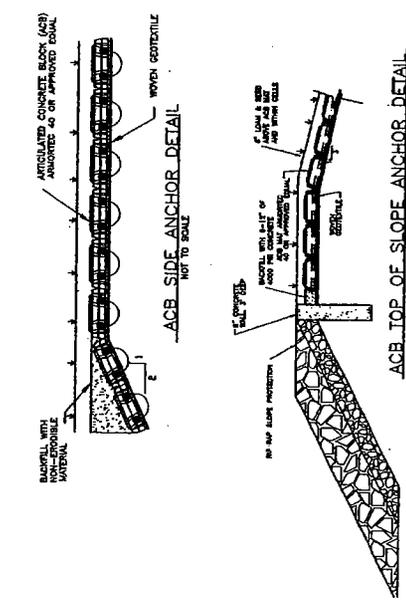




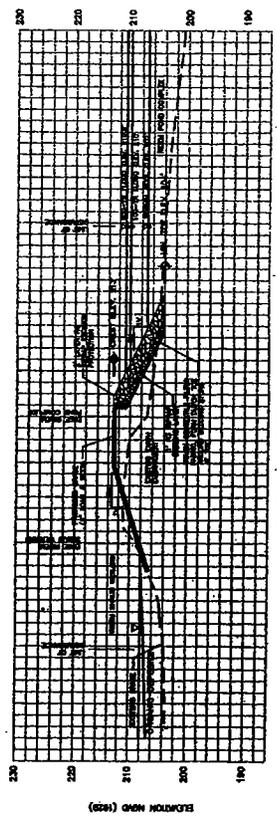
TYPICAL SECTION - MAIN DAM EMBANKMENT



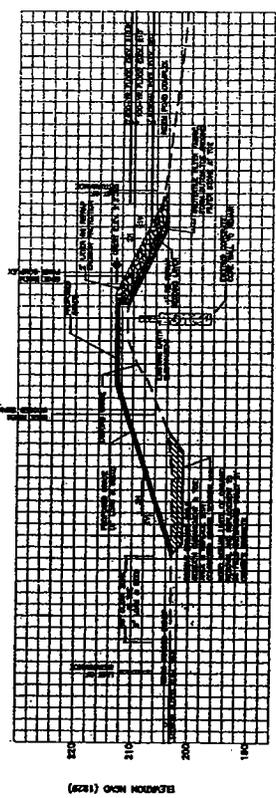
TYPICAL SECTION - ACCESS ROAD IMPROVEMENT



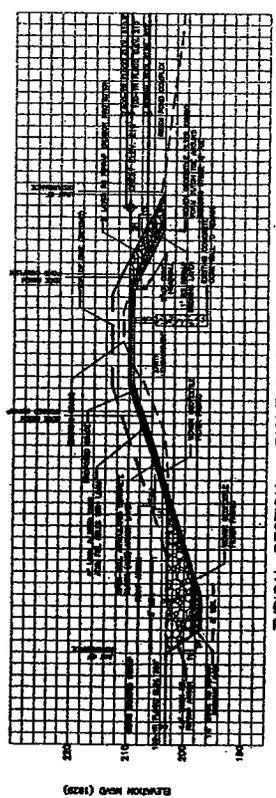
ACB TOP OF SLOPE ANCHOR DETAIL



TYPICAL SECTION - LEFT DIKE



TYPICAL SECTION - RIGHT DIKE



TYPICAL SECTION - RIGHT DIKE AT EMERGENCY SPILLWAY

		STATE OF RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT DIVISION OF PLANNING AND DEVELOPMENT		IMPROVEMENTS TO STILLWATER RESERVOIR DAM RIDGEM DAM NO. 103 PLAT NO. 48 PART OF LOT NO. 49 FARNHAM PIKE (ROUTE NO. 104) SMITHFIELD, RHODE ISLAND		Drawn by: WLL/ESH Drawn by: JSM/WLL Checked by: WLL/PRH Date: SBPT, 2003 Scale: AS NOTED Project No.: 32895.00				TYPICAL SECTIONS & DETAILS C14		SHEET 15 OF 23	
No.	Description	Date											
REVISIONS:													