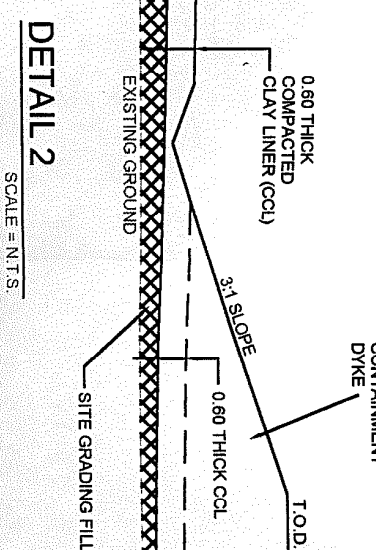
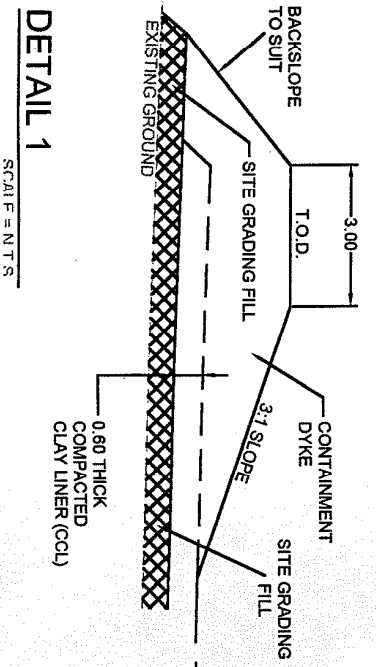
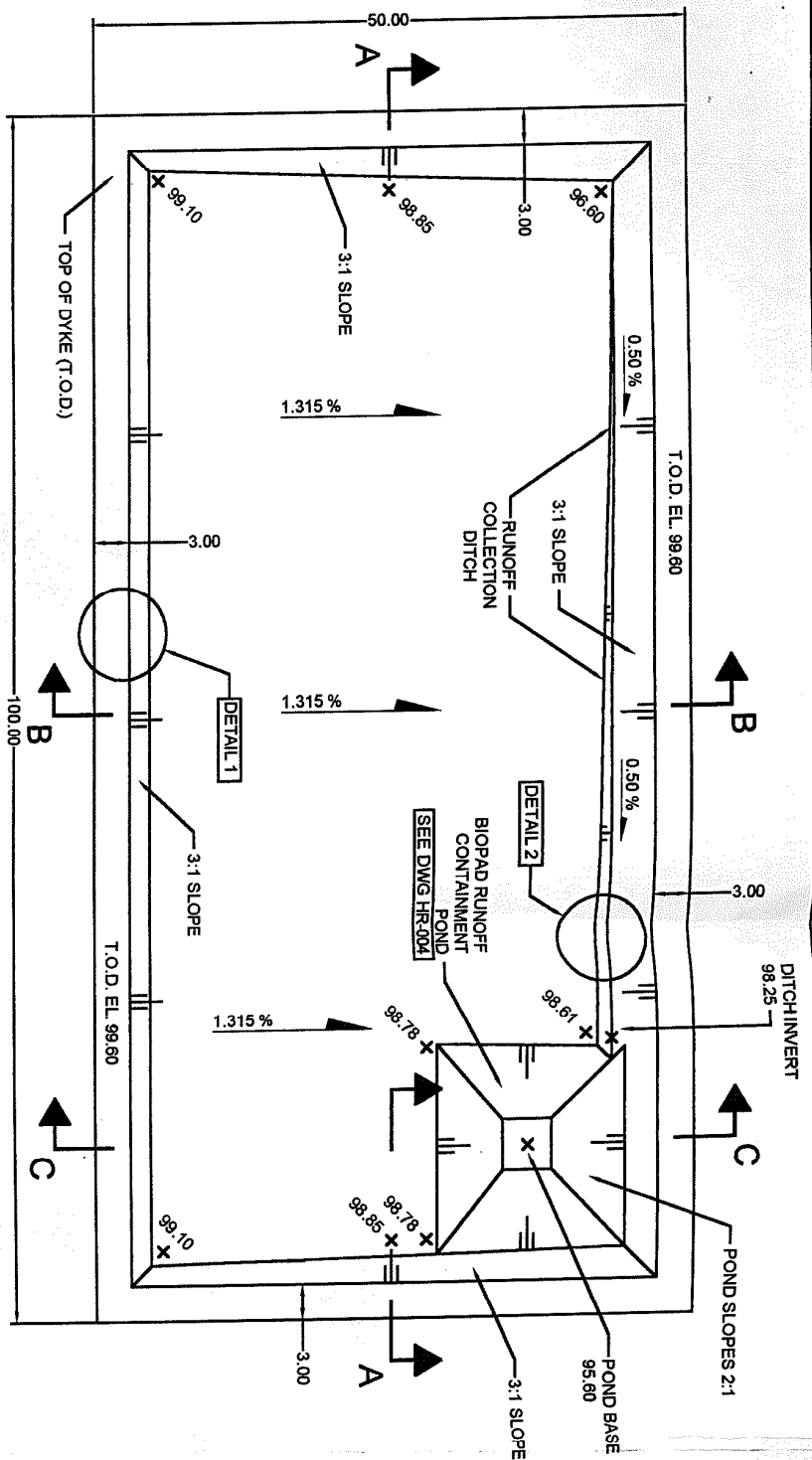


<p>PROPOSED HAY RIVER BIOPAD</p>		SCALE:	As Shown	DESIGNED BY:	G/JG
		DATE:	20-OCT-03	REVISED:	
<p>BIOPAD - CROSS-SECTIONS</p>		<p>HAZCO ENVIRONMENTAL SERVICES</p>		<p>DRAWING NUMBER: HHR-003</p>	

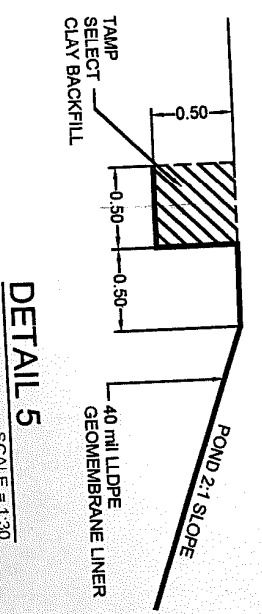
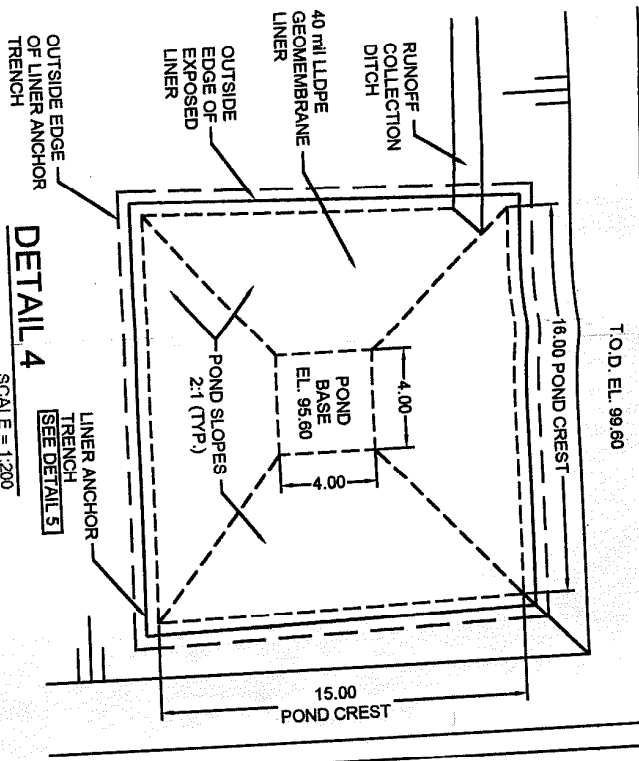
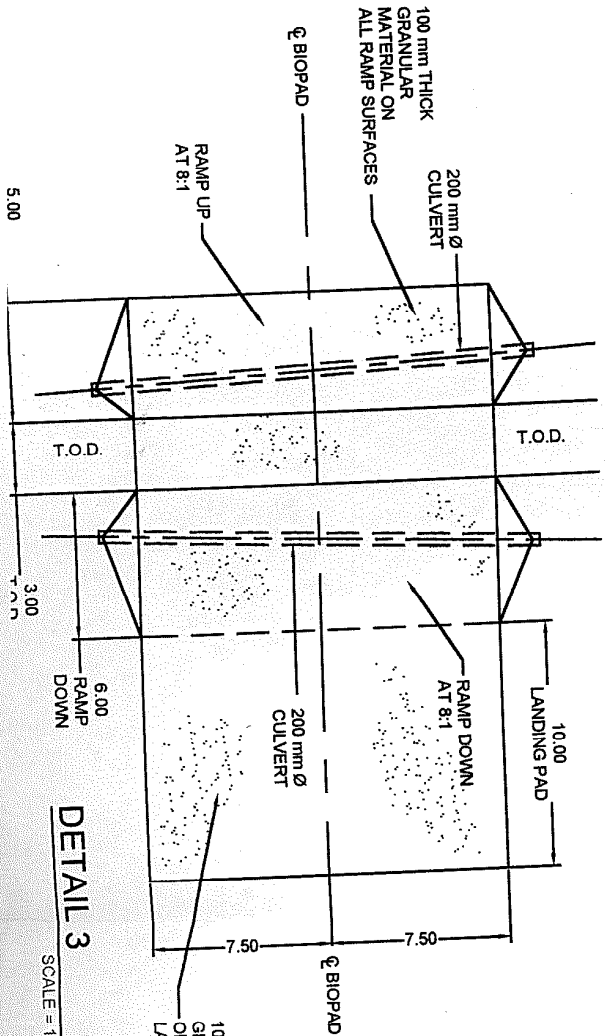
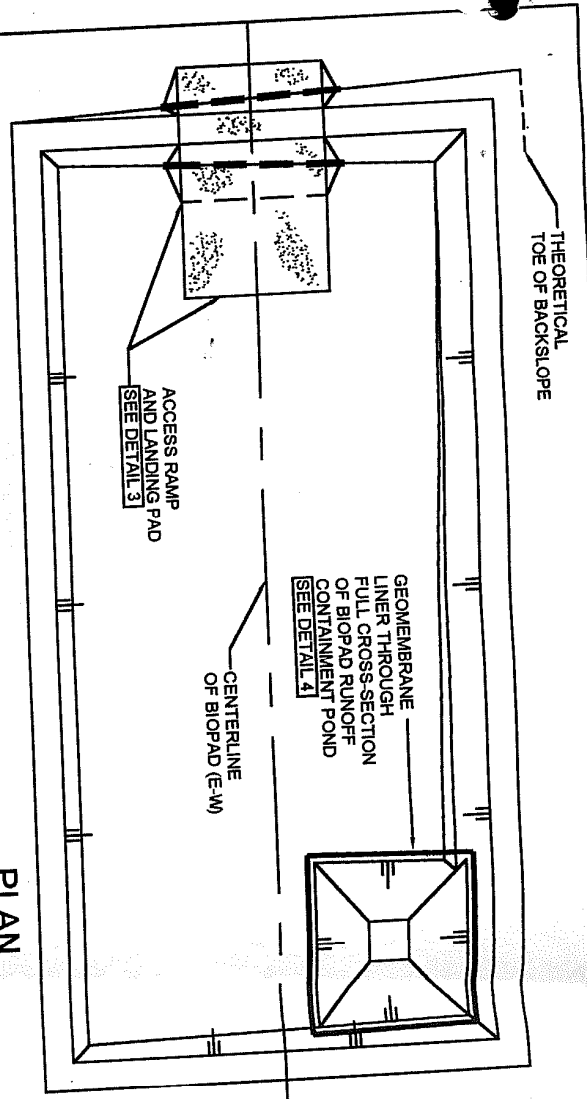


- NOTES:
- 1) ELEVATIONS SHOWN INSIDE THE CONTAINMENT DYKE ON THE PAD ARE TOP OF CCL.
 - 2) THE SITE GRADING IS TO BE COMPLETED IN ADVANCE OF CCL AND DYKE CONSTRUCTION.
 - 3) SITE GRADING FILL SHALL BE GENERATED FROM COMMON EXCAVATION WITH THE BIOPAD FOOTPRINT.
 - 4) REFER TO DWG. HR-003 FOR CROSS-SECTIONS A-A, B-B AND C-C.

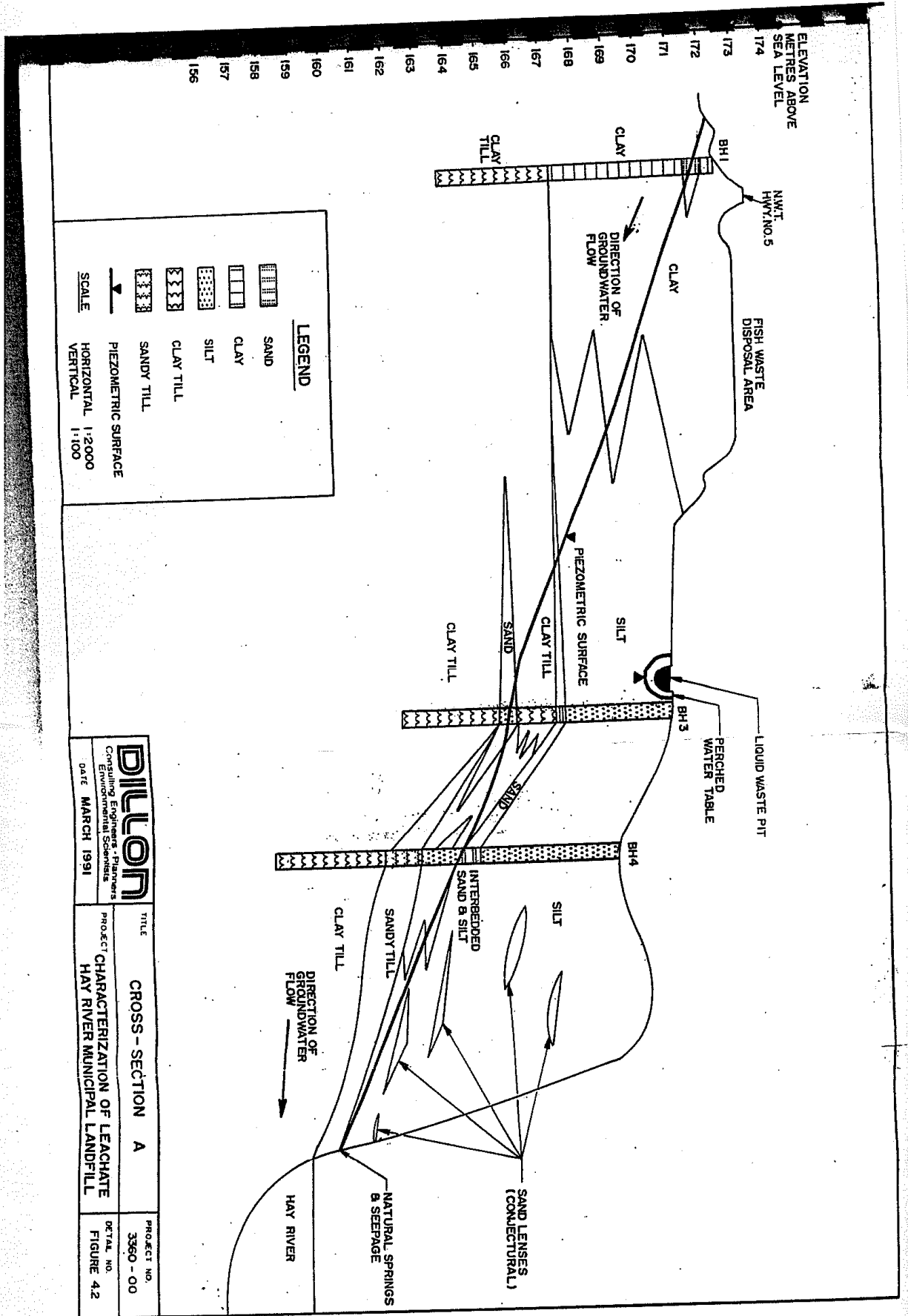
PLAN

SCALE = 1:400

HAZCO ENVIRONMENTAL SERVICES		DRAWING NUMBER	
PROPOSED HAY RIVER BIOPAD		HR-002	
SCALE	AS SHOWN	APPROVED BY	G.J.G.
DATE	19-OCT-03	REVISION	
BIOPAD - GENERAL LAYOUT			

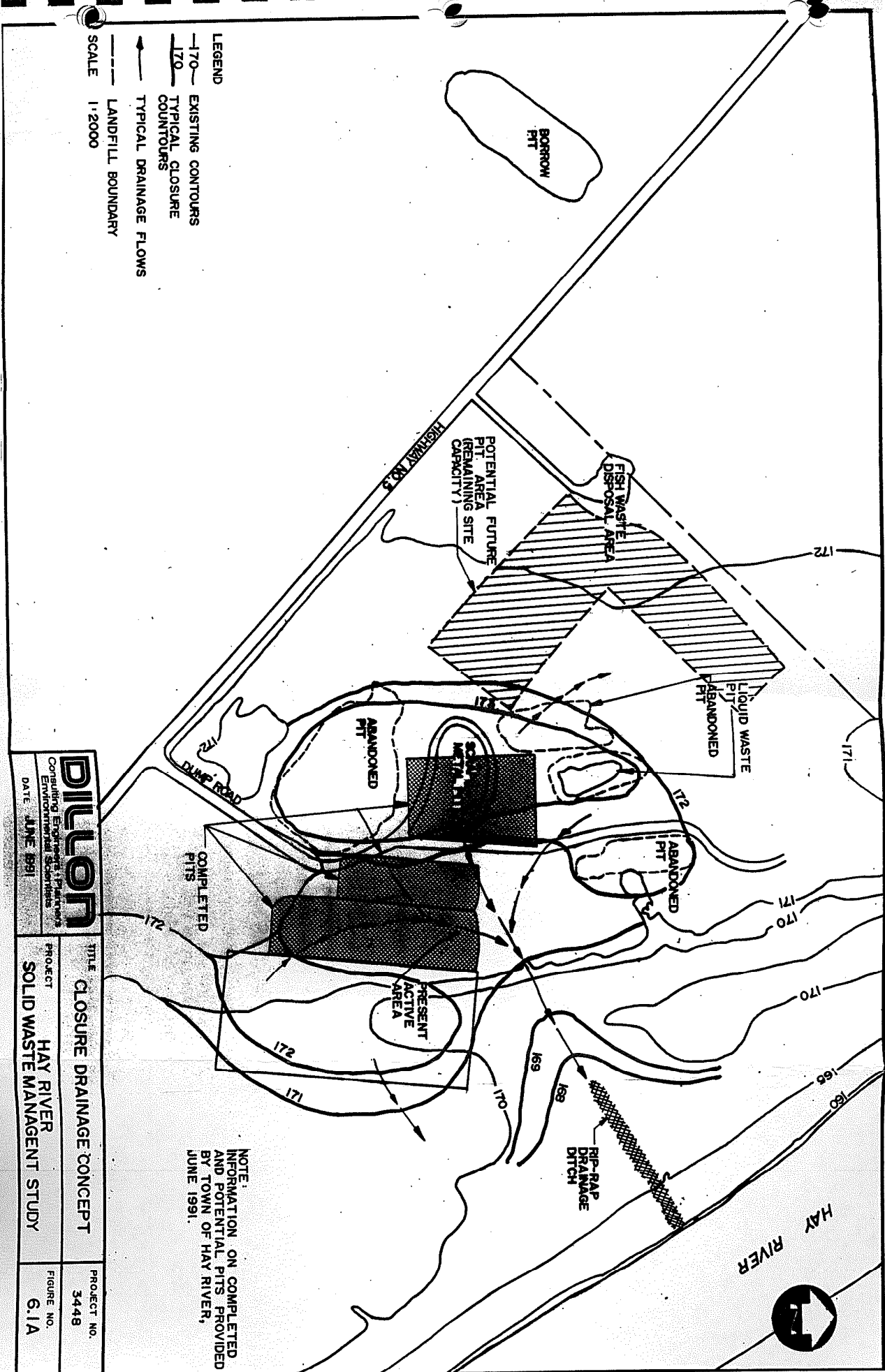


PROPOSED HAY RIVER BIOPAD		SCALE: As Shown	DATE: 21-OCT-03
HAZCO ENVIRONMENTAL SERVICES		DESIGNED BY: GJG	REVIEWED:
BIOPAD - POND & RAMP DETAILS		DRAWING NUMBER: HR-004	



LEGEND	
	SAND
	CLAY
	SILT
	CLAY TILL
	SANDY TILL
	PIEZOMETRIC SURFACE
SCALE	
	HORIZONTAL 1:2000
	VERTICAL 1:100

 Consulting Engineers - Planners Environmental Scientists	TITLE	PROJECT NO.
	CROSS - SECTION A CHARACTERIZATION OF LEACHATE HAY RIVER MUNICIPAL LANDFILL	360 - 00
DATE MARCH 1991	FIGURE NO.	4.2



- LEGEND
- 170- EXISTING CONTOURS
 - 170- TYPICAL CLOSURE CONTOURS
 - TYPICAL DRAINAGE FLOWS
 - LANDFILL BOUNDARY
- SCALE 1:2000

DILION
 Consulting Engineers & Planners
 Civil/Environmental Scientists
 DATE JUNE 1991

TITLE
CLOSURE DRAINAGE CONCEPT

PROJECT
HAY RIVER SOLID WASTE MANAGEMENT STUDY

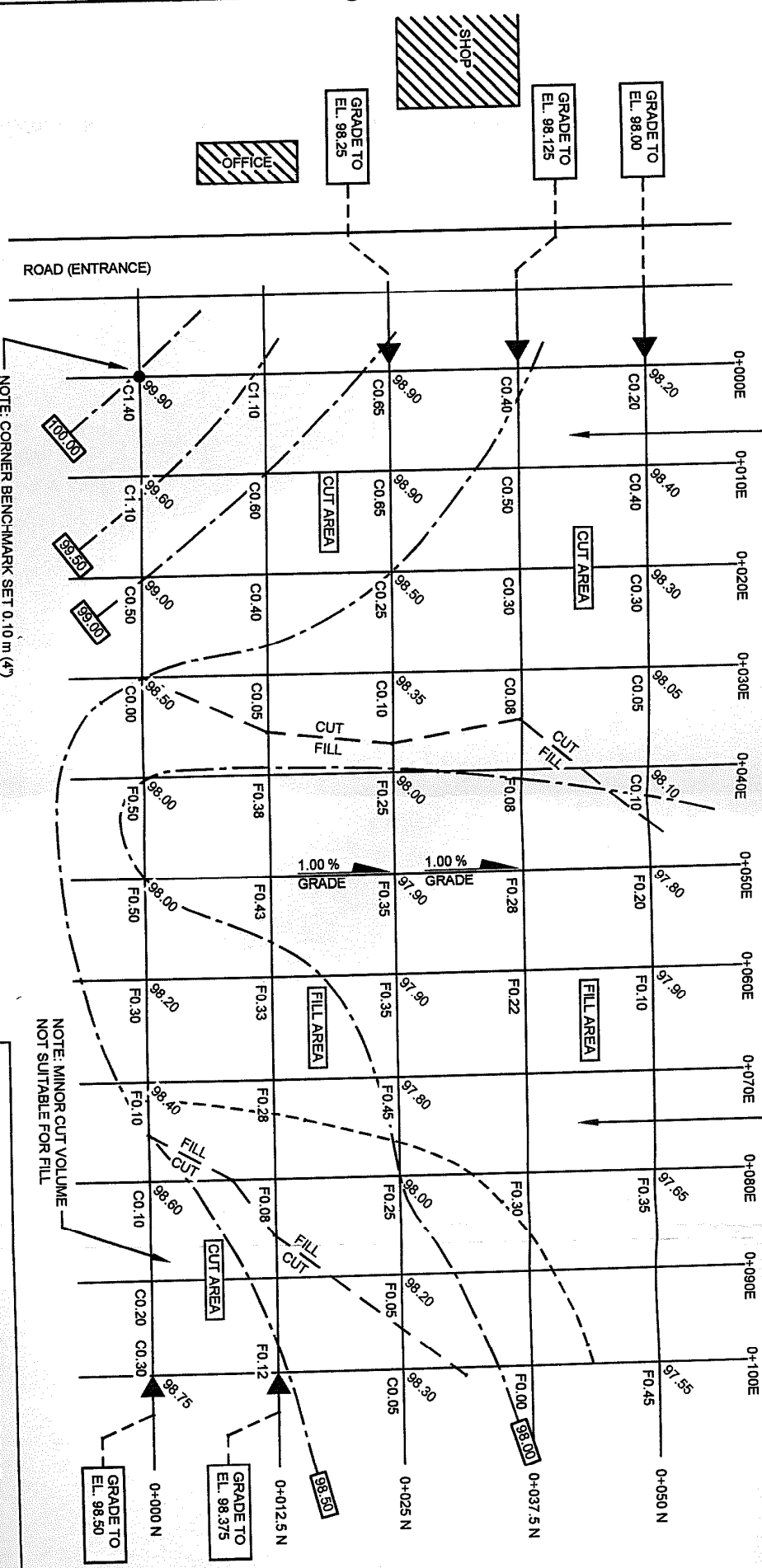
PROJECT NO.
 3448

FIGURE NO.
 6.1A

NOTE:
 INFORMATION ON COMPLETED AND POTENTIAL PITS PROVIDED BY TOWN OF HAY RIVER, JUNE 1991.

LEGEND
 0.50 m CONTOUR INTERVAL
 C or F CUT OR FILL
 99.50 CONTOUR ELEV.

NOTE: CORNER BENCHMARK SET 0.10 m (4") LOWER THAN AN ARBITRARY ELEV. OF 100.00 m. CORNER BM TO BE USED AS SITE DATUM.



NOTE: - CUT AREA APPROX. 1875 m²
 - AVERAGE CUT = 0.45 m
 - IN PLACE CUT VOLUME = 840 m³

NOTE: - FILL AREA APPROX. 2725 m²
 - AVERAGE FILL = 0.30 m
 - IN PLACE FILL VOLUME = 820 m³

NOTE: MINOR CUT VOLUME NOT SUITABLE FOR FILL

PROPOSED HAY RIVER BIOPAD

SITE GRADING PLAN

HAZCO ENVIRONMENTAL SERVICES

SCALE	1:400	APPROVED BY		DESIGNED BY	GJG
DATE	02-OCT-03	REVISION		DRAWING NUMBER	HR-001