

NOTE: TOPOGRAPHY FLOWN BY
I.F. ROOKS & ASSOCIATES, INC.
ON FEBRUARY 19, 1997.

- NOTES:
1. LFG MONITORING WELLS TO BE DRILLED TO 5 FEET BELOW THE SURFACE OF THE GROUNDWATER TABLE.
 2. ESTIMATED DATE OF INSTALLATION IS OCTOBER 1997.

<p>POST, BUCKLEY, SCHUH & JERNIGAN, INC.</p>	<p>CLIENT HARDEE COUNTY BOARD OF COUNTY COMMISSIONERS</p>	<p>PROJECT HARDEE COUNTY REGIONAL LANDFILL CLASS I LANDFILL</p>	<p>TASK GAS MANAGEMENT SYSTEM AND MISCELLANEOUS DETAILS AT CLOSURE</p>	<p>ORIGINAL JAN. 1996</p> <p>REVISIONS:</p> <ul style="list-style-type: none"> 1. R.A.I. #1 APRIL 1997 2. R.A.I. #2 JUNE 1997 3. R.A.I. #3 AUG. 1997 	<p>JOB NO. 07-862-315</p> <p>DRAWN MM</p> <p>DESIGN MM</p> <p>CHECKED REM</p> <p>Q.C. SBL</p> <p>SHEET 5/5</p>
--	---	---	---	---	--

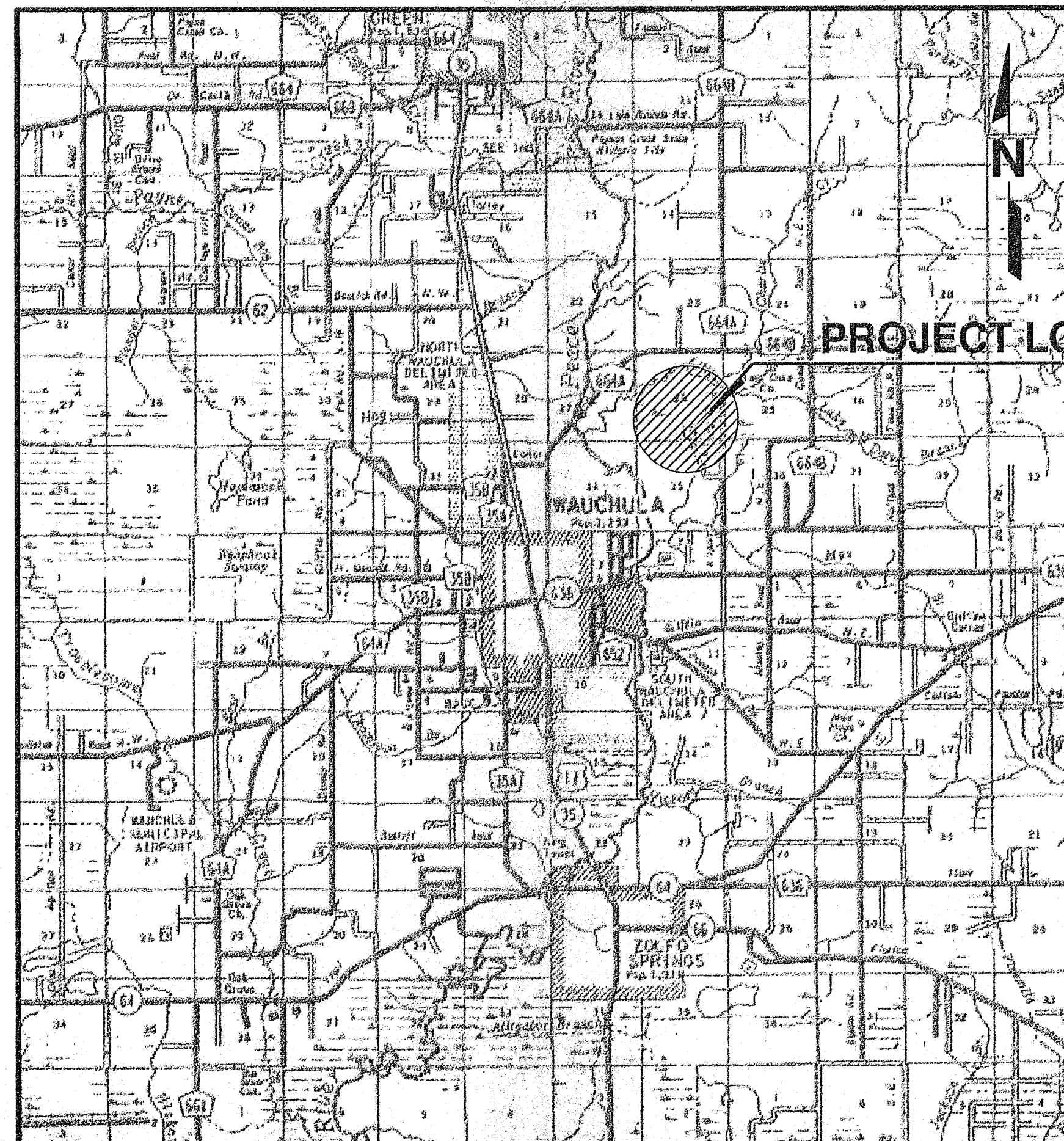
RECEIVED
11/19/97
OP Permit

revised 5/01

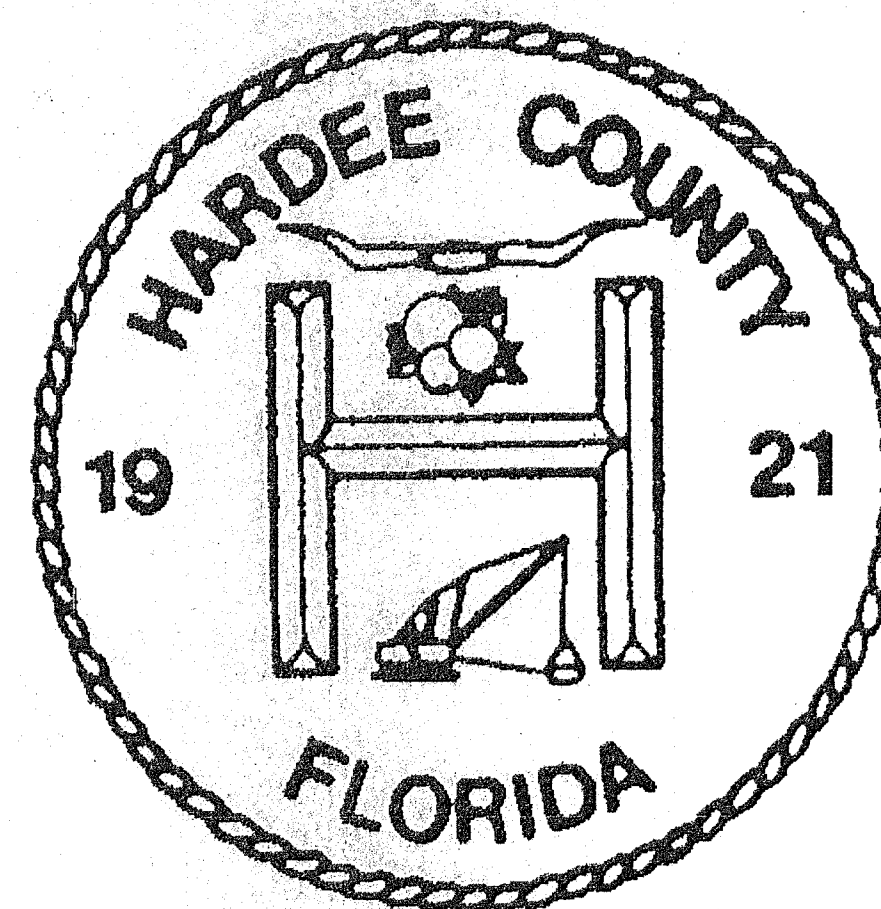
HARDEE COUNTY LANDFILL MINOR OPERATIONAL FILL SEQUENCE REVISIONS

PREPARED FOR
BOARD OF COUNTY COMMISSIONERS
HARDEE COUNTY, FLORIDA

FEBRUARY, 2000



LOCATION MAP
NOT TO SCALE



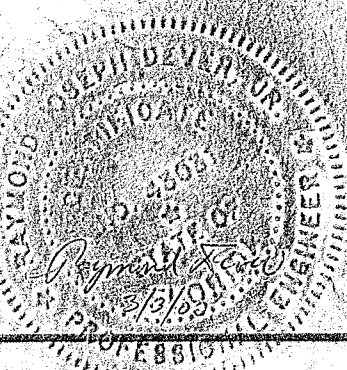
SCS ENGINEERS

ENVIRONMENTAL CONSULTANTS
3012 U.S. HWY. 301 N. SUITE 700
TAMPA, FLORIDA 33619
(813) 921-0080

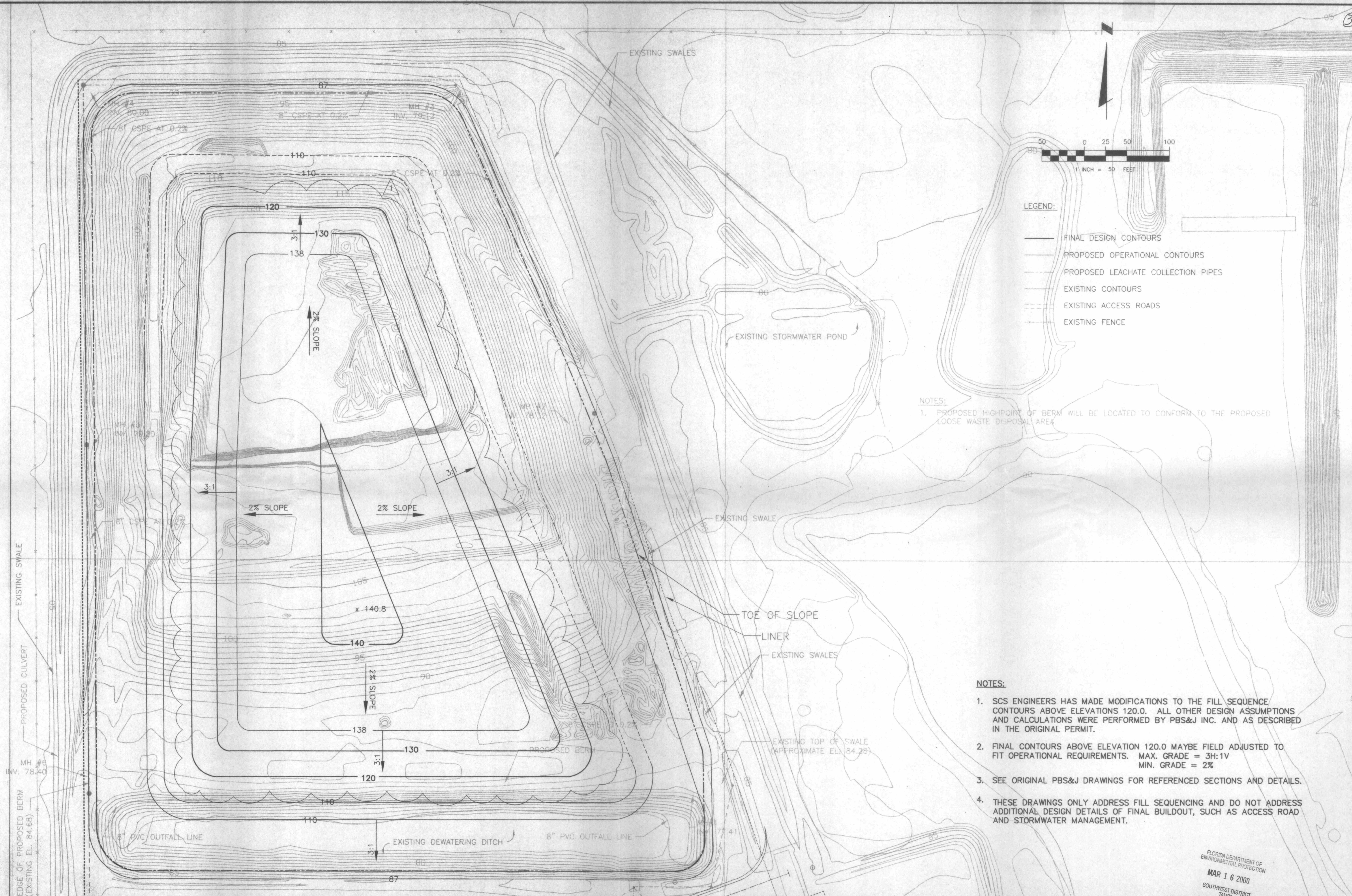
DRAWING INDEX

DRAWING NO.		DRAWING TITLE
1	-	COVER SHEET
2	-	FINAL BUILDOUT
3	-	SEQUENCING PLAN - SEQUENCE 1 THROUGH 6
4	-	SEQUENCING PLAN - SEQUENCE 7 AND DETAILS

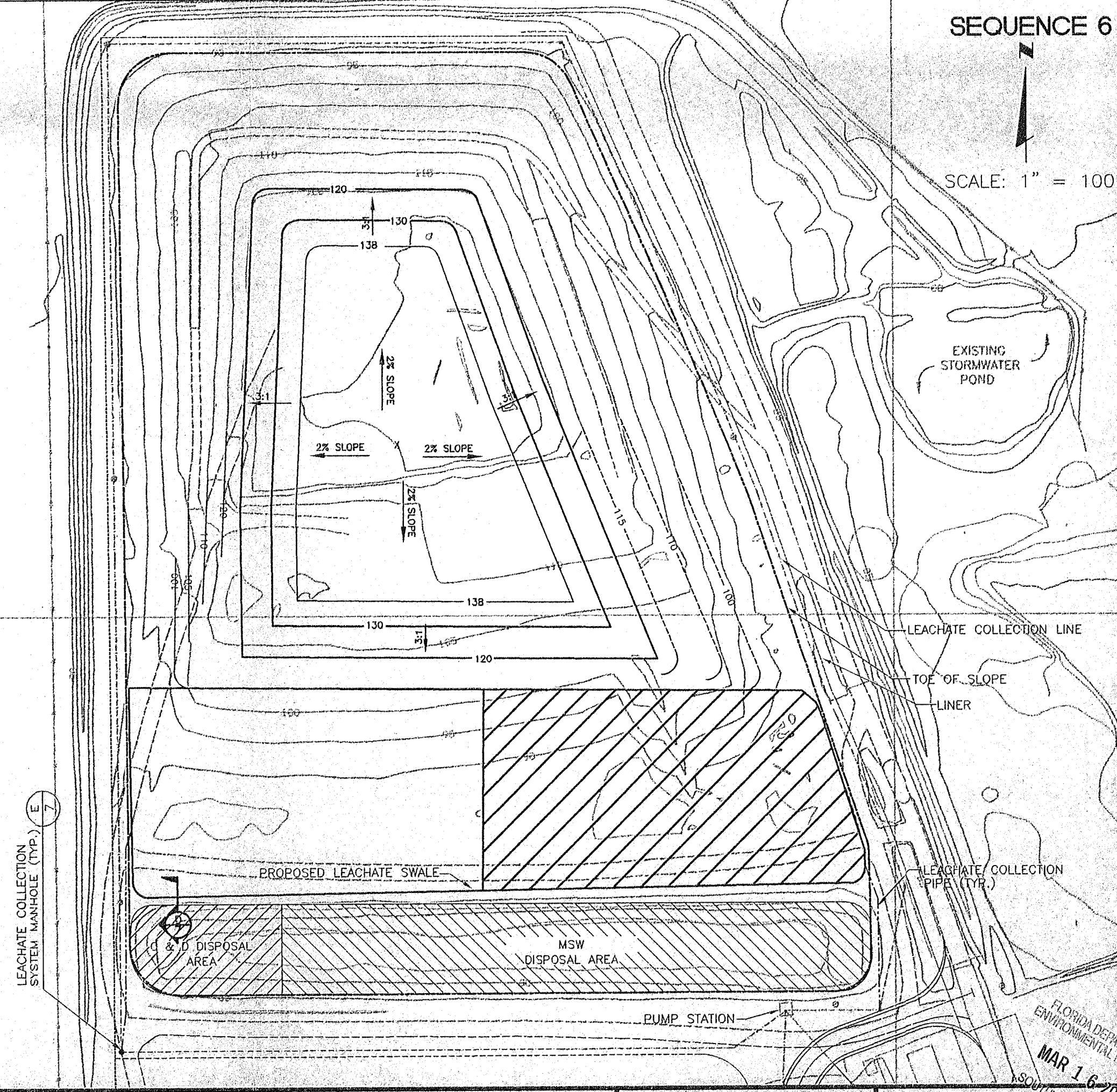
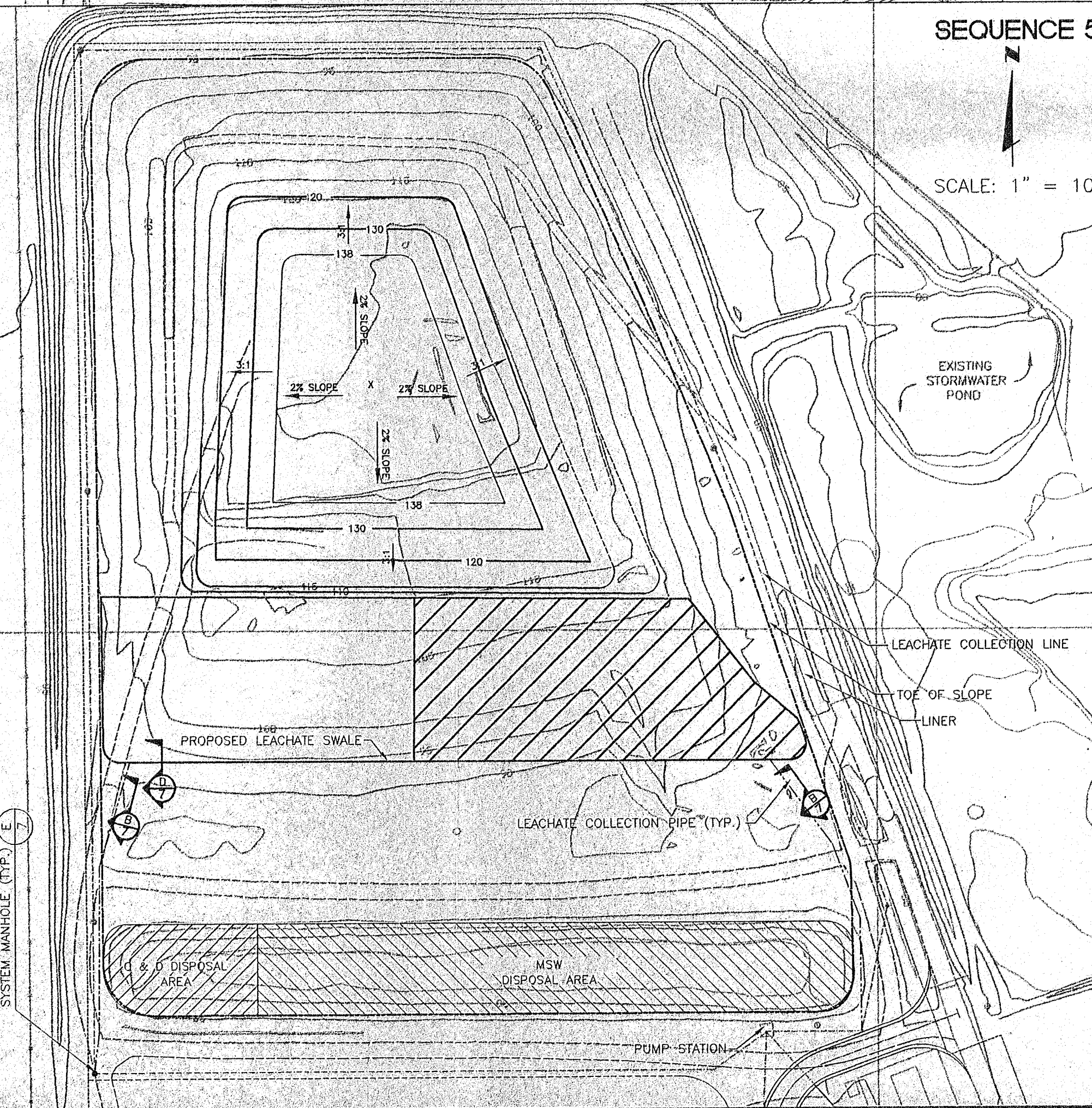
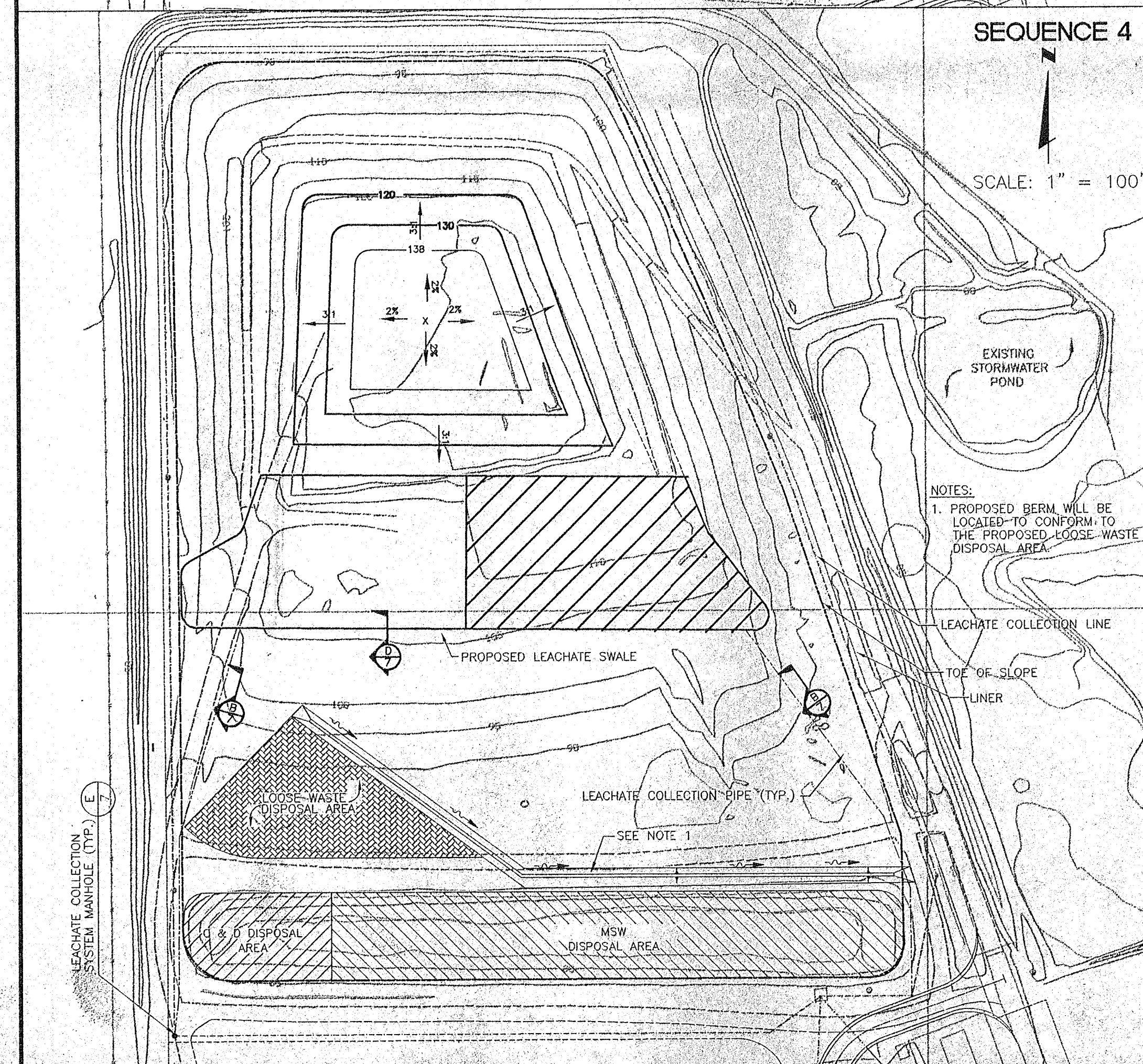
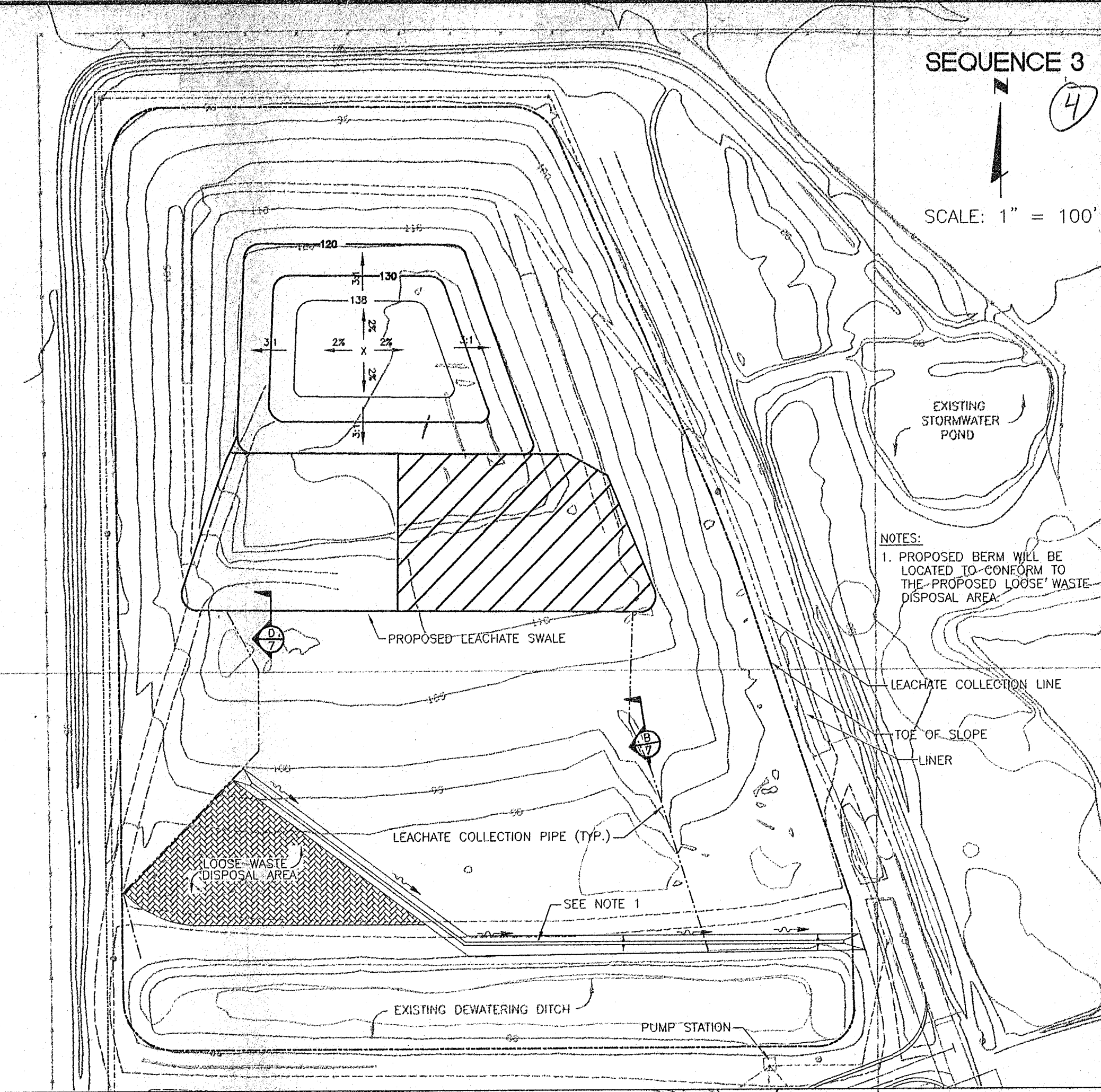
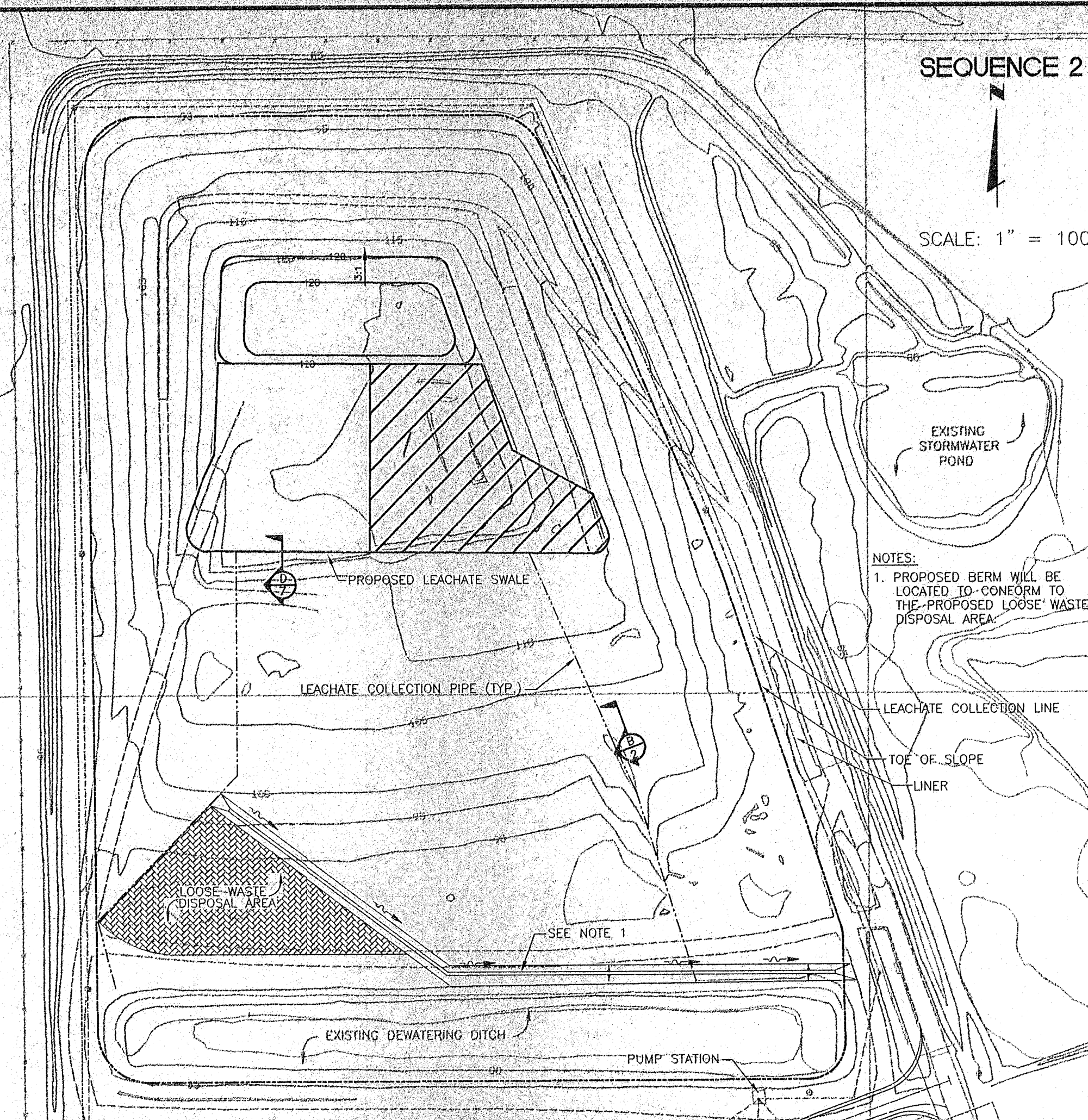
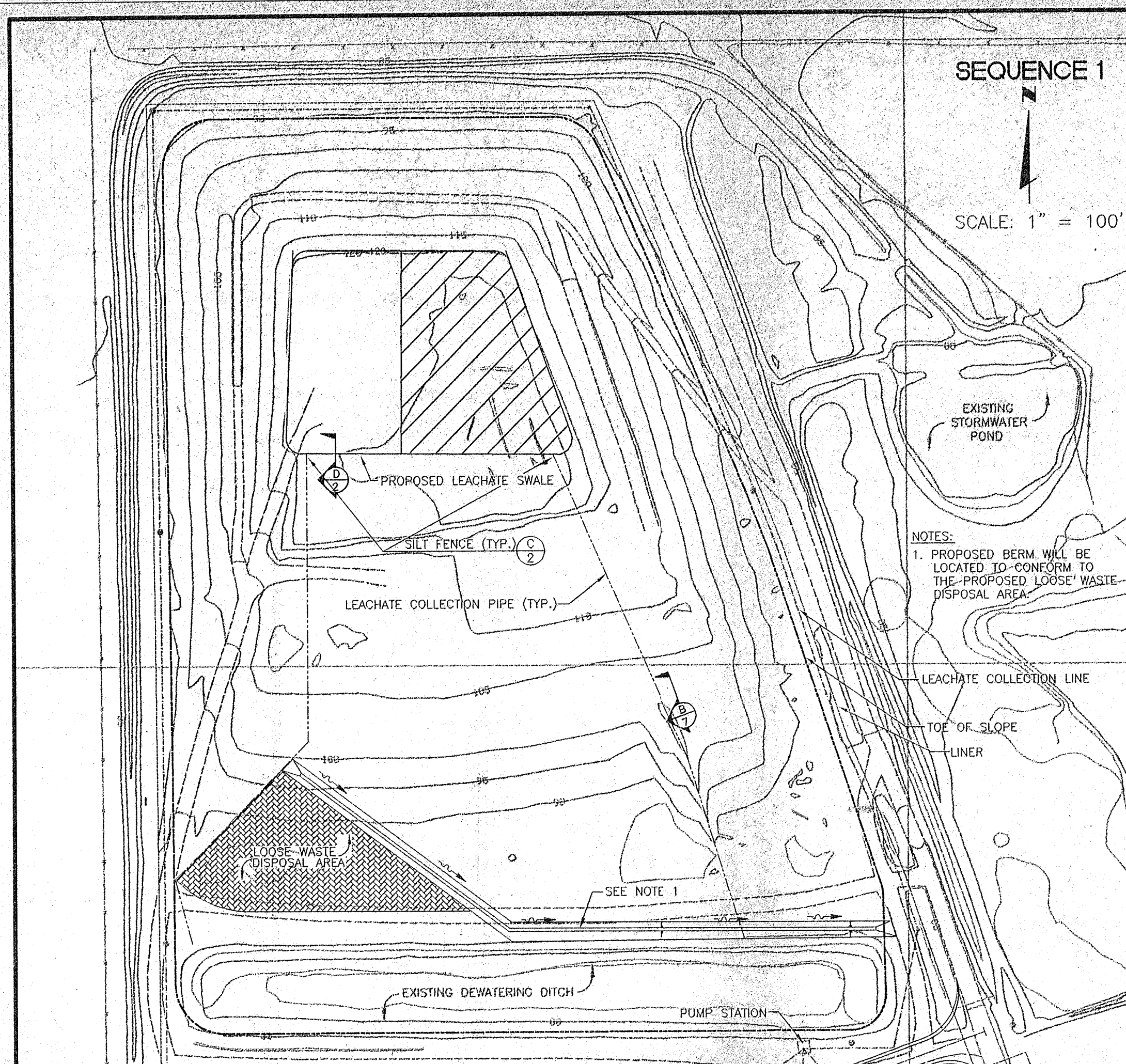
FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
MAR 16 2000
SOUTHWEST DISTRICT
TAMPA



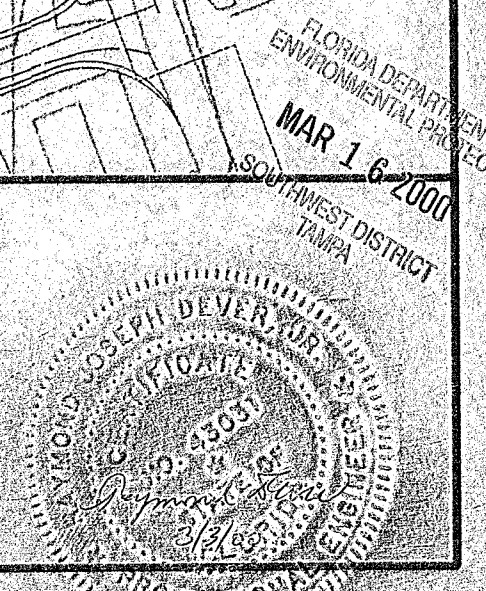
FILE

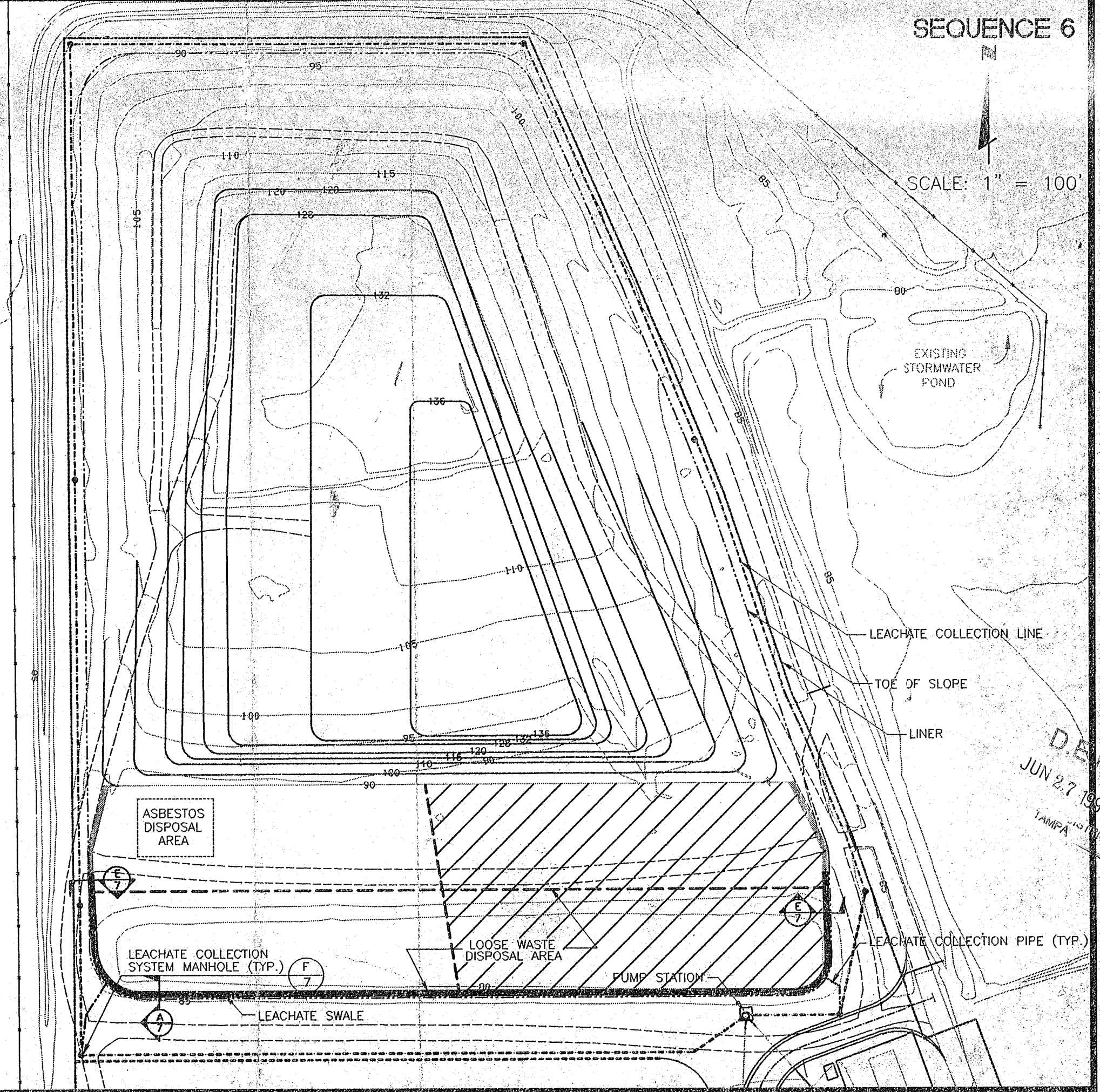
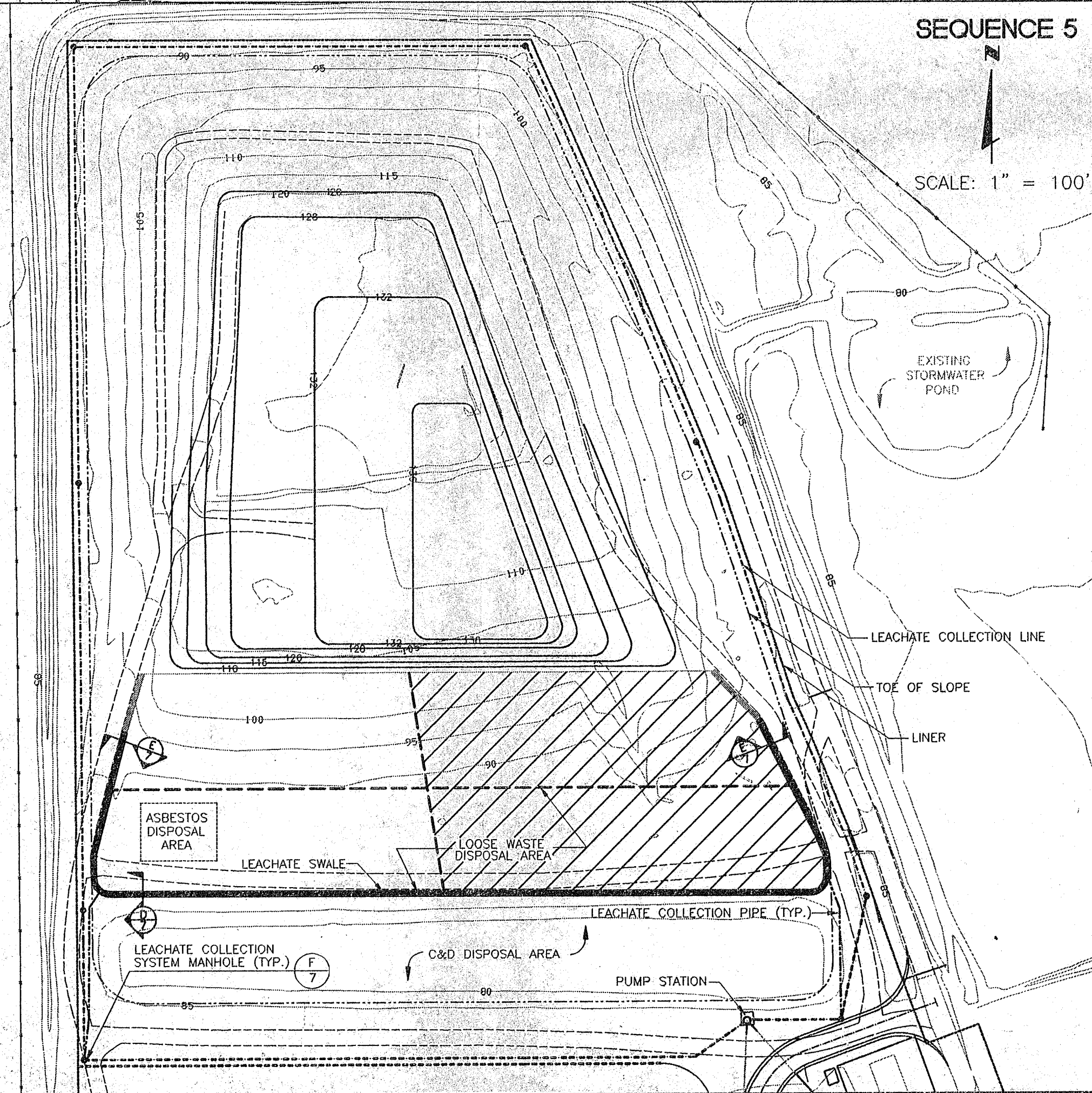
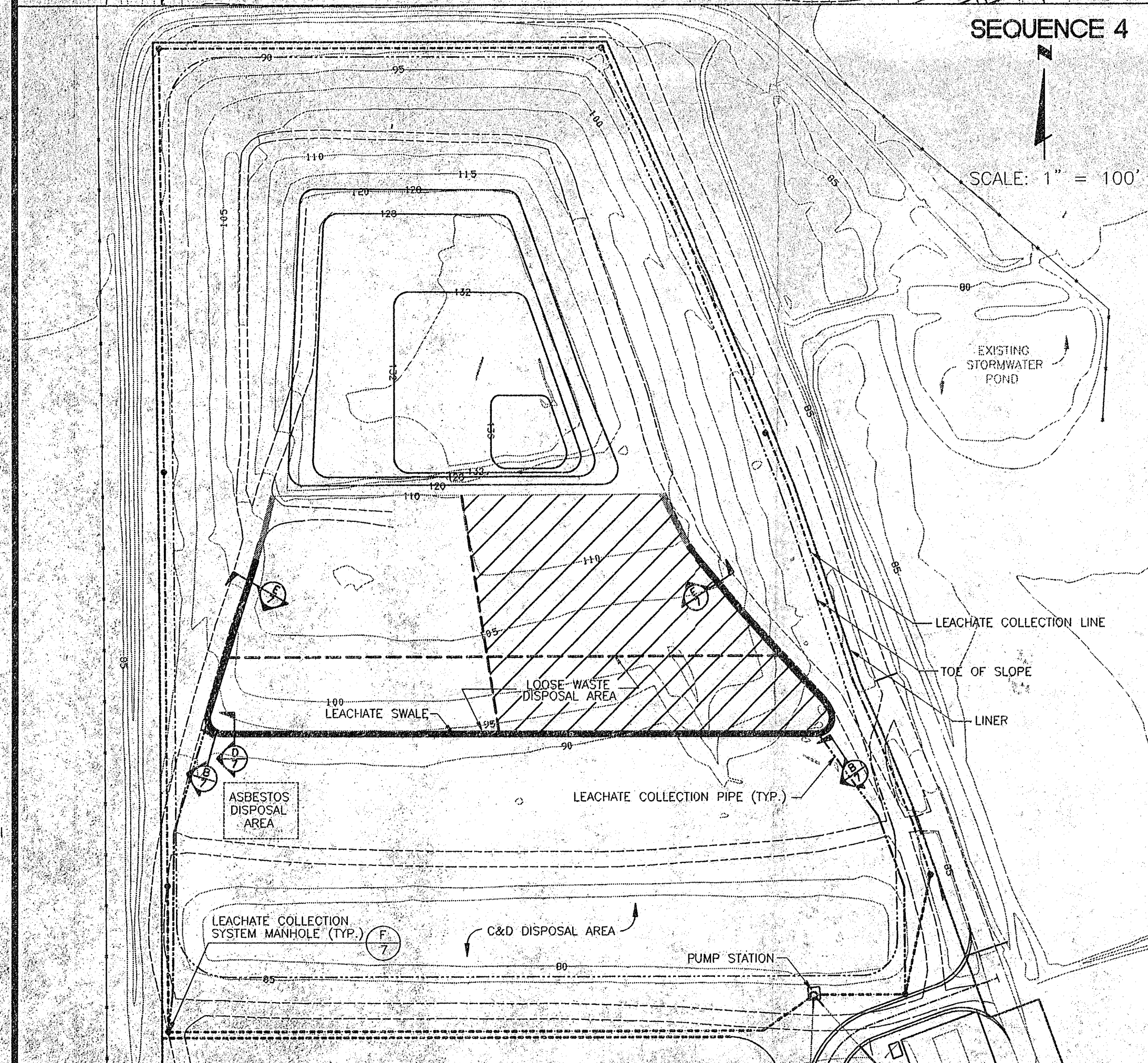
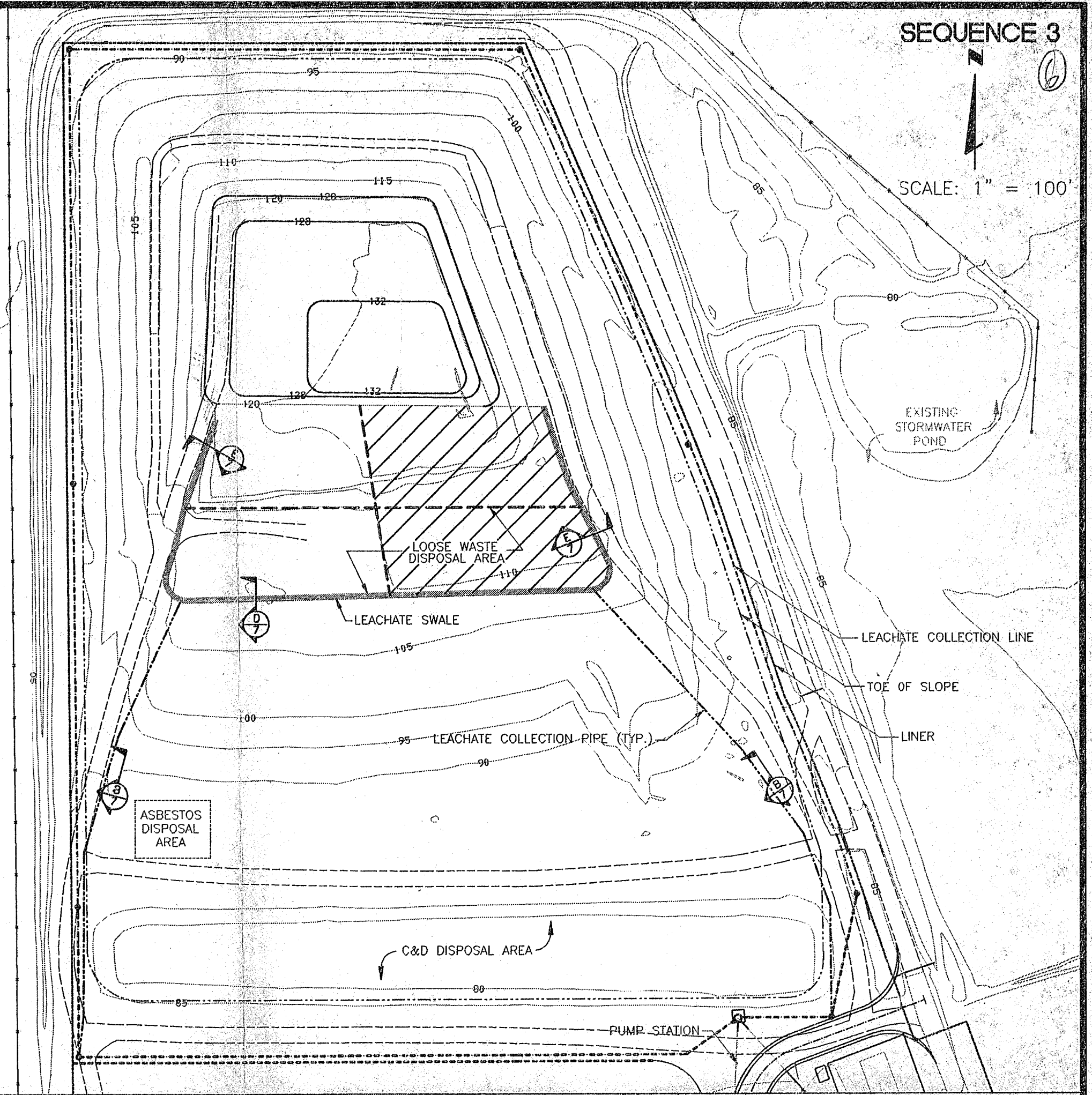
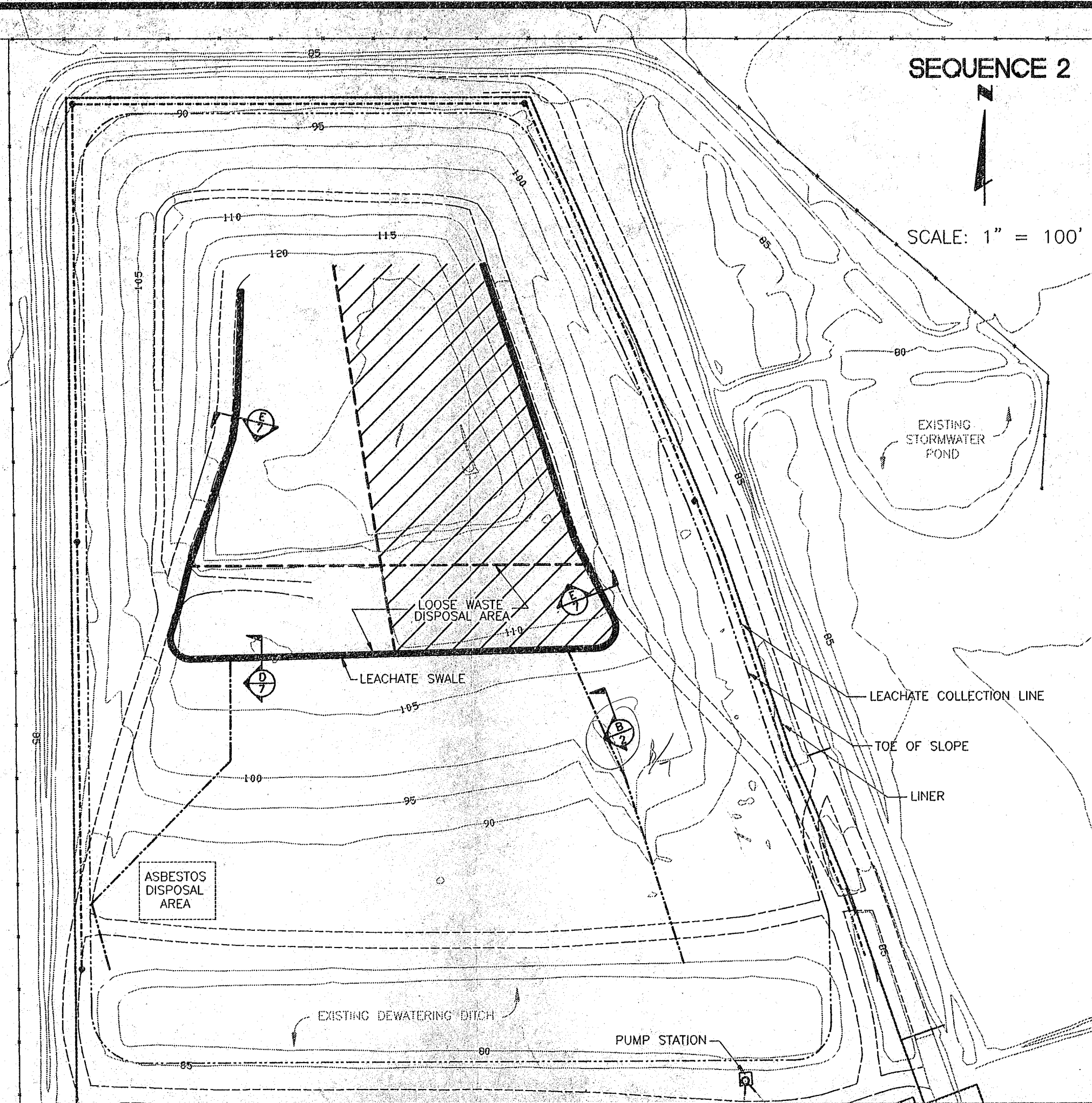
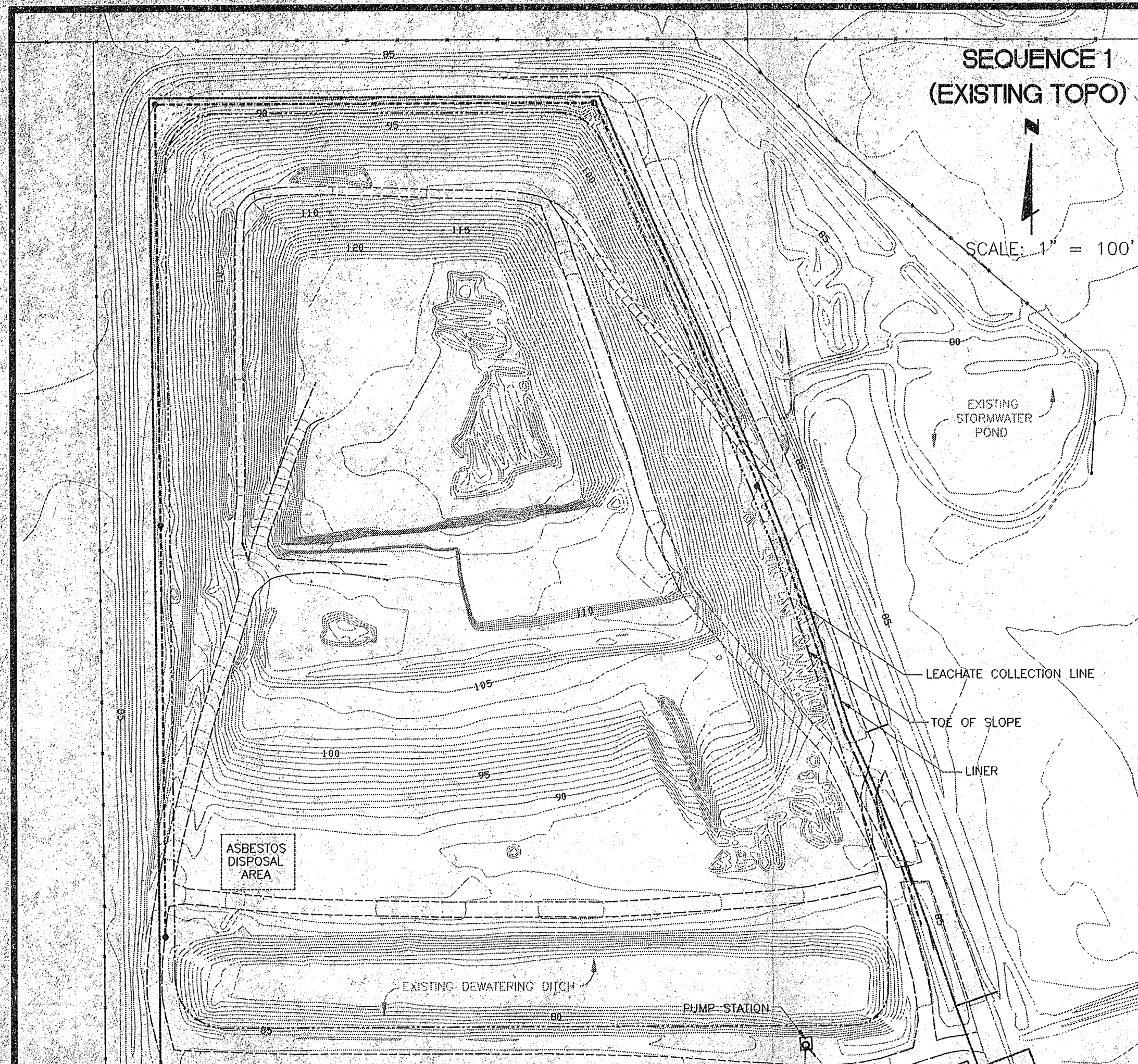




REV.	DATE	DESCRIPTION	CK. BY	SHEET TITLE	CLIENT	SCS ENGINEERS	CAD FILE:
1	2/00	REVISED CONTOURS		FINAL BUILDOUT	HARDEE COUNTY	STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS, INC.	SHT-2
2				MINOR OPERATIONAL FILL SEQUENCE REVISIONS	BOARD OF COUNTY COMMISSIONERS	3012 U.S. HWY. 301 N. SUITE 700, TAMPA, FL. 33619	DATE: 2-16-00
3						PH (813) 621-0080 FAX NO. (813) 623-8757	SCALE: AS NOTED
4							DRAWING NO. 2 of 4
5							
6							
7							
8							
9							
10							



REV.	DATE	DESCRIPTION	CK BY	SHEET TITLE	CLIENT	SCS ENGINEERS	CAD FILE:
1				SEQUENCING PLAN	HARDEE COUNTY	STEARNS, CONRAD AND SCHMIDT	SHT-3
2				SEQUENCE 1 THROUGH 6	BOARD OF COUNTY COMMISSIONERS	CONSULTING ENGINEERS, INC.	DATE: 2-16-00
3				PROJECT TITLE		3012 U.S. HWY. 301 N. SUITE 700, TAMPA, FL. 33619	SCALE: AS NOTED
4				MINOR OPERATIONAL FILL		PH (813) 621-0080 FAX NO. (813) 623-6767	DRAWING NO.
5				SEQUENCE REVISIONS			3 of 4
6							
7							
8							
9							
10							



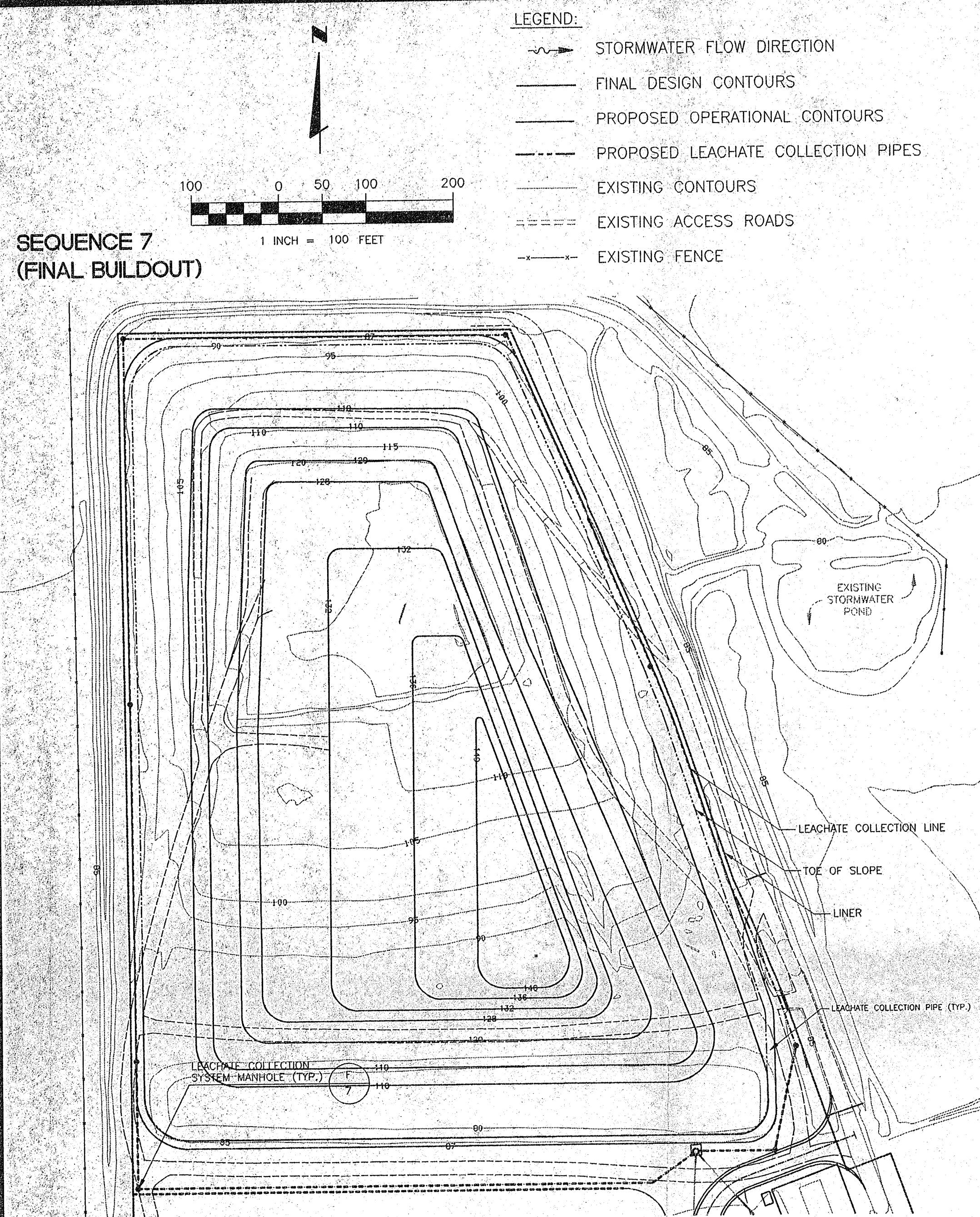


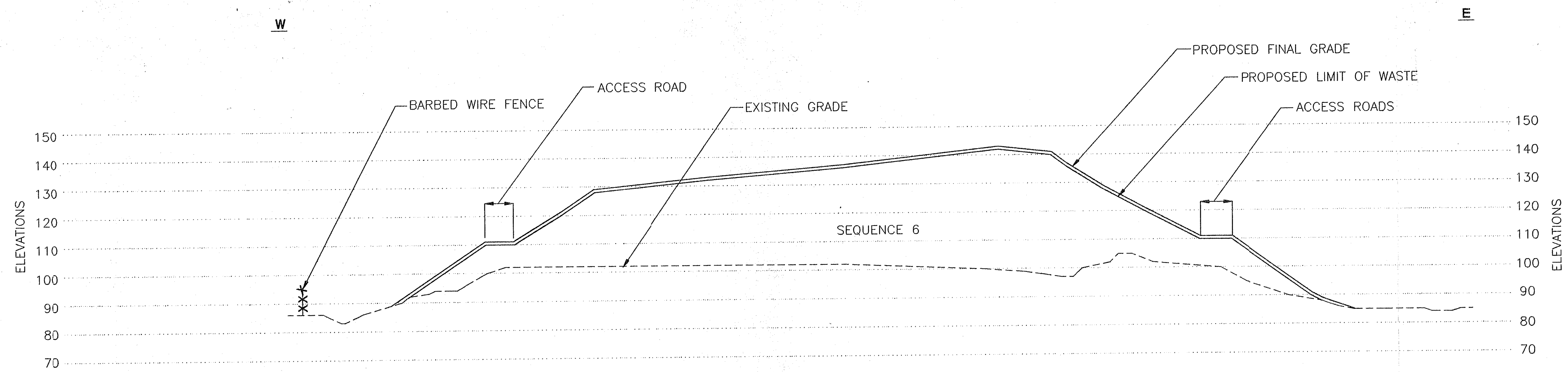
 POST, BUCKLEY, SCHUH & JERNIGAN, INC.	CLIENT	HARDEE COUNTY	PROJECT	HARDEE COUNTY REGIONAL LANDFILL	TASK	SEQUENCING PLAN	ORIGINAL	JUNE 1997	6		JOB NO. 07-862
		BOARD OF COUNTY COMMISSIONERS				SEQUENCE 1	REVISIONS:		7		DRAWN MM
						THROUGH	1		8		DESIGN MM
							2		9		CHECKED CEH
							3		10		Q.C. JF
						SEQUENCE 6	4		11		
							5		12		SHEET 6

ENVIRONMENTAL HAZARDOUS WASTE PERMIT NO. 224.DWG
 AUGUST 1997

DESIGNED BY
 JUN 27 1997
 DRAWN BY
 CHECKED BY
 Q.C. BY

FILE ONLY



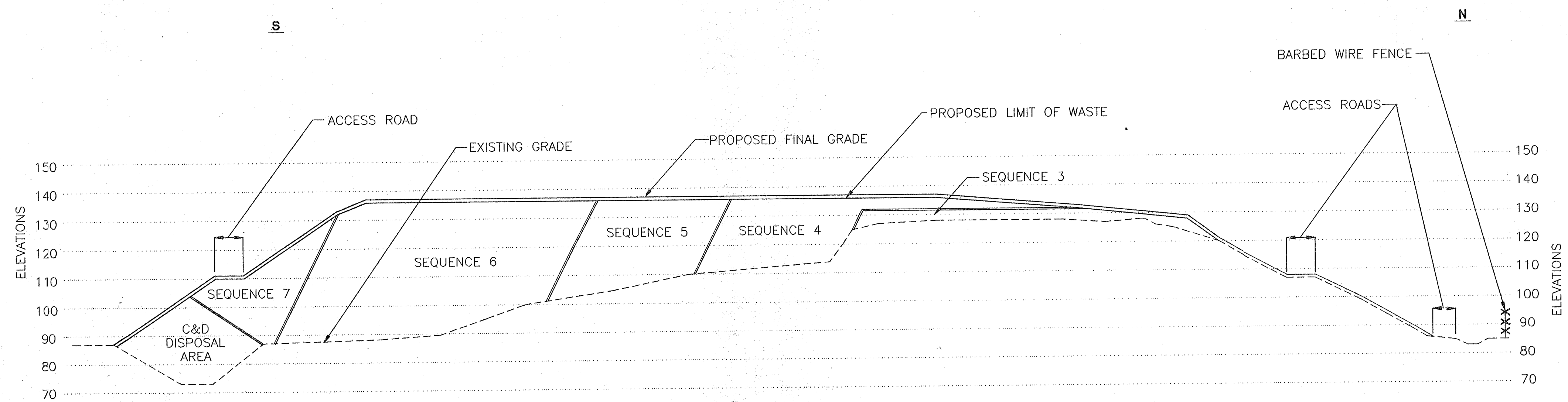


EAST-WEST CROSS SECTION

A

SCALE: HORIZONTAL 1"=50'
VERTICAL 1"=25"

5



NORTH-SOUTH CROSS SECTION

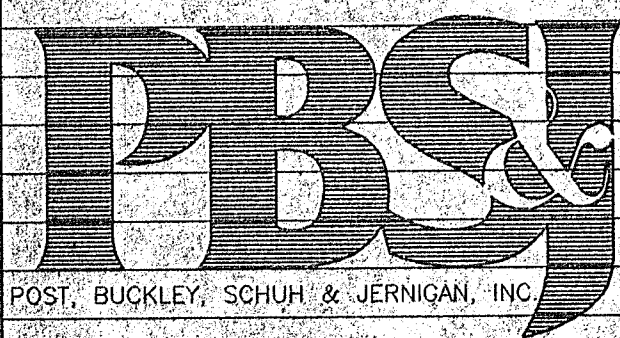
B

SCALE: HORIZONTAL 1"=50'
VERTICAL 1"=25"

5

D.E.P.
JUN 27 1997
TAMPA

L:\ENV\000\WASTE\MAN\HARDEE\PERMIT\NEW.DWG
MM 06/06/97 10:50:37
MM 06/06/97 10:50:37



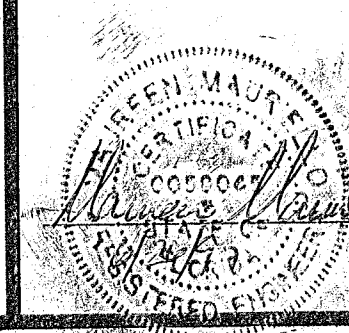
CLIENT HARDEE COUNTY
BOARD OF COUNTY COMMISSIONERS

PROJECT HARDEE COUNTY REGIONAL LANDFILL

TASK CROSS SECTIONS

ORIGINAL MAY 1997
REVISIONS:
1
2
3
4
5

6
7
8
9
10
11
12



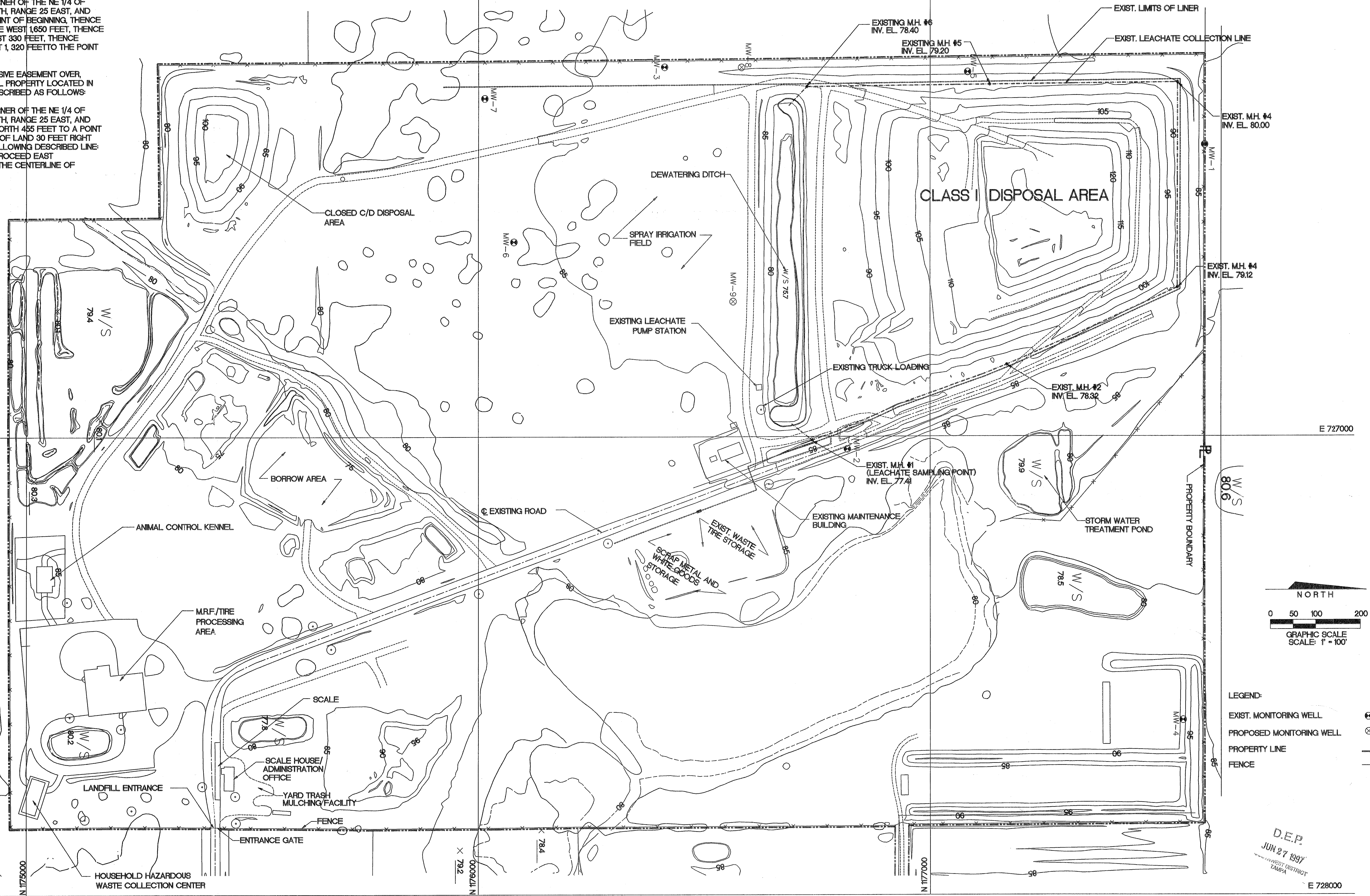
JOB NO. 07-862.35
DRAWN MM
DESIGN MM
CHECKED REM
O.C. CEH
SHEET 8

LEGAL DESCRIPTION:

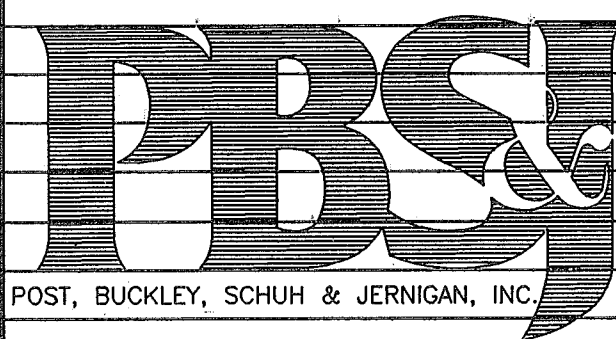
BEGIN AT THE SOUTHEAST CORNER OF THE NE 1/4 OF SECTION 35, TOWNSHIP 33 SOUTH, RANGE 25 EAST, AND GO WEST 660 FEET TO THE POINT OF BEGINNING, THENCE RUN NORTH 2,640 FEET, THENCE WEST 1,650 FEET, THENCE SOUTH 2,310 FEET, THENCE EAST 330 FEET, THENCE SOUTH 330 FEET, THENCE EAST 1,320 FEET TO THE POINT OF BEGINNING.

TOGETHER WITH A NON-EXCLUSIVE EASEMENT OVER, ALONG, AND ACROSS THE REAL PROPERTY LOCATED IN HARDEE COUNTY, FLORIDA, DESCRIBED AS FOLLOWS:

BEGIN AT THE SOUTHEAST CORNER OF THE NE 1/4 OF SECTION 35, TOWNSHIP 33 SOUTH, RANGE 25 EAST, AND GO WEST 660 FEET, THENCE NORTH 455 FEET TO A POINT OF BEGINNING, BEING A TRACT OF LAND 30 FEET RIGHT AND 30 FEET LEFT OF THE FOLLOWING DESCRIBED LINE: FROM A POINT OF BEGINNING PROCEED EAST APPROXIMATELY 660 FEET TO THE CENTERLINE OF AIRPORT ROAD.



NOTE: TOPOGRAPHY FLOWN BY I.F. ROOKS & ASSOCIATES, INC., ON FEBRUARY 19, 1997.



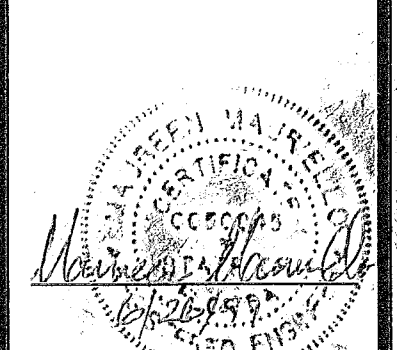
CLIENT
HARDEE COUNTY
BOARD OF COUNTY COMMISSIONERS

PROJECT
HARDEE COUNTY REGIONAL LANDFILL
CLASS I LANDFILL

TASK
SITE PLAN

ORIGINAL APRIL 1997
REVISIONS:
1 RAI #2 JUNE 1997
2
3
4
5

6
7
8
9
10
11
12



JOB NO. 07-862.35
DRAWN RGC
DESIGN RGC
CHECKED
Q.C.
SHEET 4/5

op permit

DESCRIPTION OF PROPOSED STORMWATER DESIGN

SEQUENCE 1

1. CONSTRUCT LEACHATE SWALE AROUND WEST, SOUTH AND EAST SIDES OF WORKING AREA OF LANDFILL TO CAPTURE STORMWATER RUNOFF LEACHATE FROM WORKING AREA. WORKING AREA MAY BE DIVIDED INTO TWO (2) OR MORE SUB-AREAS WITH AN APPROXIMATE WORKING DISTANCE OF 100 FEET FROM PROPOSED SWALE. TEMPORARILY CLOSED LANDFILL AREAS AND SWALE TO BE FULLY SODDED FOR EROSION CONTROL.
2. INSTALL TWO (2) 12-INCH (MIN.) LEACHATE COLLECTION PIPES TO CONVEY RUNOFF LEACHATE FROM SOUTHEAST AND SOUTHWEST CORNERS OF WORKING AREA TO EXISTING DEWATERING DITCH. PIPE MATERIAL TO BE SELECTED BY HARDEE COUNTY. PIPE TO FIT FIELD CONDITIONS TO AVOID SURFACE PONDING OF WATER AND TO BE LAID ON TOP OF EXISTING GROUND WITH MINIMAL MOUNDED COVER, WITH TRANSITION TO UNDER EXISTING GROUND NORTH OF BERM DESCRIBED IN STEP 3 BELOW. PIPE FROM SOUTHWEST CORNER TO RUN ALONG NORTHWEST EDGE OF LOOSE WASTE DISPOSAL AREA. INSTALL SILT FENCE AROUND UPSTREAM END OF PIPE IN LEACHATE SWALE FOR EROSION AND SEDIMENT CONTROL.
3. CONSTRUCT BERM ALONG NORTHEAST EDGE OF LOOSE WASTE DISPOSAL AREA AND NORTH EDGE OF EXISTING DEWATERING DITCH TO DIVERT STORMWATER RUNOFF FROM NON-WORKING AREA OF LANDFILL AWAY FROM DEWATERING DITCH AND TOWARD EXISTING STORMWATER MANAGEMENT SYSTEM OF SWALES AND CULVERTS DRAINING TO EXISTING STORMWATER POND. NON-WORKING AREAS AND BERM TO BE FULLY SODDED FOR EROSION AND SEDIMENT CONTROL.

SEQUENCE 2

1. WHEN THE WORKING AREA IN SEQUENCE 1 IS REDUCED TO APPROXIMATELY 100 FEET FROM THE LEACHATE SWALE, CLOSE FILLED AREA BY APPLYING 12-INCHES OF COVER MATERIAL, GRADED TO DRAIN RAINFALL TO EXISTING STORMWATER MANAGEMENT SYSTEM, AND SODDING. REMOVE SWALE ADJACENT TO CLOSED LANDFILL AREA AND EXTEND LEACHATE SWALE ADDITIONAL 75 FEET TO SOUTH. SWALE TO EXTEND FAR ENOUGH EAST AND WEST TO PROVIDE COLLECTION OF THE WORKING AREA. SOD NEW SWALE FOR EROSION AND SEDIMENT CONTROL.
2. REMOVE SECTION OF EXISTING LEACHATE COLLECTION PIPE BETWEEN EXISTING AND EXTENDED LEACHATE SWALES AND INSTALL SILT FENCE AROUND UPSTREAM END OF PIPE IN LEACHATE SWALE FOR EROSION AND SEDIMENT CONTROL.

SEQUENCE 3

1. SAME AS SEQUENCE 2. ADJUST LEACHATE COLLECTION PIPES TO PROVIDE UPSTREAM END AT LOW POINTS NEAR SOUTHWEST AND SOUTHEAST CORNERS OF PROPOSED SWALE.

SEQUENCE 4

1. SAME AS SEQUENCE 3. ADJUST LEACHATE COLLECTION PIPES TO PROVIDE UPSTREAM END AT LOW POINTS NEAR SOUTHWEST AND SOUTHEAST CORNERS OF PROPOSED SWALE.

SEQUENCE 5

1. WHEN THE WORKING AREA IN SEQUENCE 4 IS REDUCED TO APPROXIMATELY 75 FEET FROM THE LEACHATE SWALE, CLOSE FILLED AREA BY APPLYING 12-INCHES OF COVER MATERIAL, GRADED TO DRAIN RAINFALL TO EXISTING STORMWATER MANAGEMENT SYSTEM, AND SODDING. CONSTRUCT LEACHATE SWALE ALONG EAST AND WEST SIDES OF REMAINING AREA TO DIVERT LEACHATE RUNOFF TO EXISTING DEWATERING DITCH. SOD NEW SWALE TO PROVIDE EROSION AND SEDIMENT CONTROL. IN NON-WORKING AREAS, LEAVE PROPOSED BERM ALONG NORTH SIDE OF DEWATERING DITCH TO DIVERT STORMWATER RUNOFF TO EXISTING STORMWATER MANAGEMENT SWALE, CULVERT AND POND SYSTEM. WORKING AREA TO BE ALLOWED TO DRAIN TO EXISTING DEWATERING DITCH.

SEQUENCE 6

1. WHEN THE SOUTHERNMOST 75 FEET OF WORKING AREA ADJACENT TO EXISTING DEWATERING DITCH IS FILLED, CLOSE BY APPLYING 12-INCHES OF COVER MATERIAL, GRADED TO DRAIN RAINFALL TO EXISTING STORMWATER MANAGEMENT SYSTEM, AND SODDING. CONSTRUCT LEACHATE COLLECTION SWALE ALONG WEST, SOUTH AND EAST SIDES OF REMAINING WORKING AREA. SWALE TO EXTEND TO EAST AND WEST LIMITS OF LANDFILL.
2. INSTALL TWO (2) 12-INCH (MIN.) LEACHATE COLLECTION PIPES TO CONVEY RUNOFF LEACHATE FROM SOUTHEAST AND SOUTHWEST CORNERS OF WORKING AREA TO EXISTING DEWATERING DITCH. PIPE MATERIAL TO BE SELECTED BY HARDEE COUNTY. PIPE TO FIT FIELD CONDITIONS TO AVOID SURFACE PONDING OF WATER AND TO BE LAID ON TOP OF GROUND WITH MINIMAL MOUNDED COVER. INSTALL SILT FENCE AROUND EXISTING UPSTREAM END OF PIPE IN LEACHATE SWALE FOR EROSION AND SEDIMENT CONTROL. NON-WORKING AREAS AND BERM TO BE FULLY SODDED FOR EROSION AND SEDIMENT CONTROL.

FINAL BUILDOUT

1. CLOSE FILLED AREA FROM SEQUENCE 6 BY APPLYING 12-INCHES OF COVER MATERIAL, GRADED TO DRAIN RAINFALL TO EXISTING STORMWATER MANAGEMENT SYSTEM, AND SODDING. CONSTRUCT BERM ALONG NORTH EDGE OF EXISTING DEWATERING DITCH TO DIVERT STORMWATER RUNOFF FROM CLOSED LANDFILL BOTH EAST AND WEST TO EXISTING STORMWATER MANAGEMENT SYSTEM OF SWALES AND CULVERTS DRAINING TO EXISTING STORMWATER POND. PROPOSED HIGH POINT OF BERM WILL BE LOCATED TO CONFORM TO FINAL, CLOSED LANDFILL GRADING.
2. INSTALL A 12-INCH (MIN.) CULVERT AT THE WEST END OF PROPOSED BERM TO CONVEY DRAINAGE UNDER EXISTING DIRT ROAD TO EXISTING SWALE.

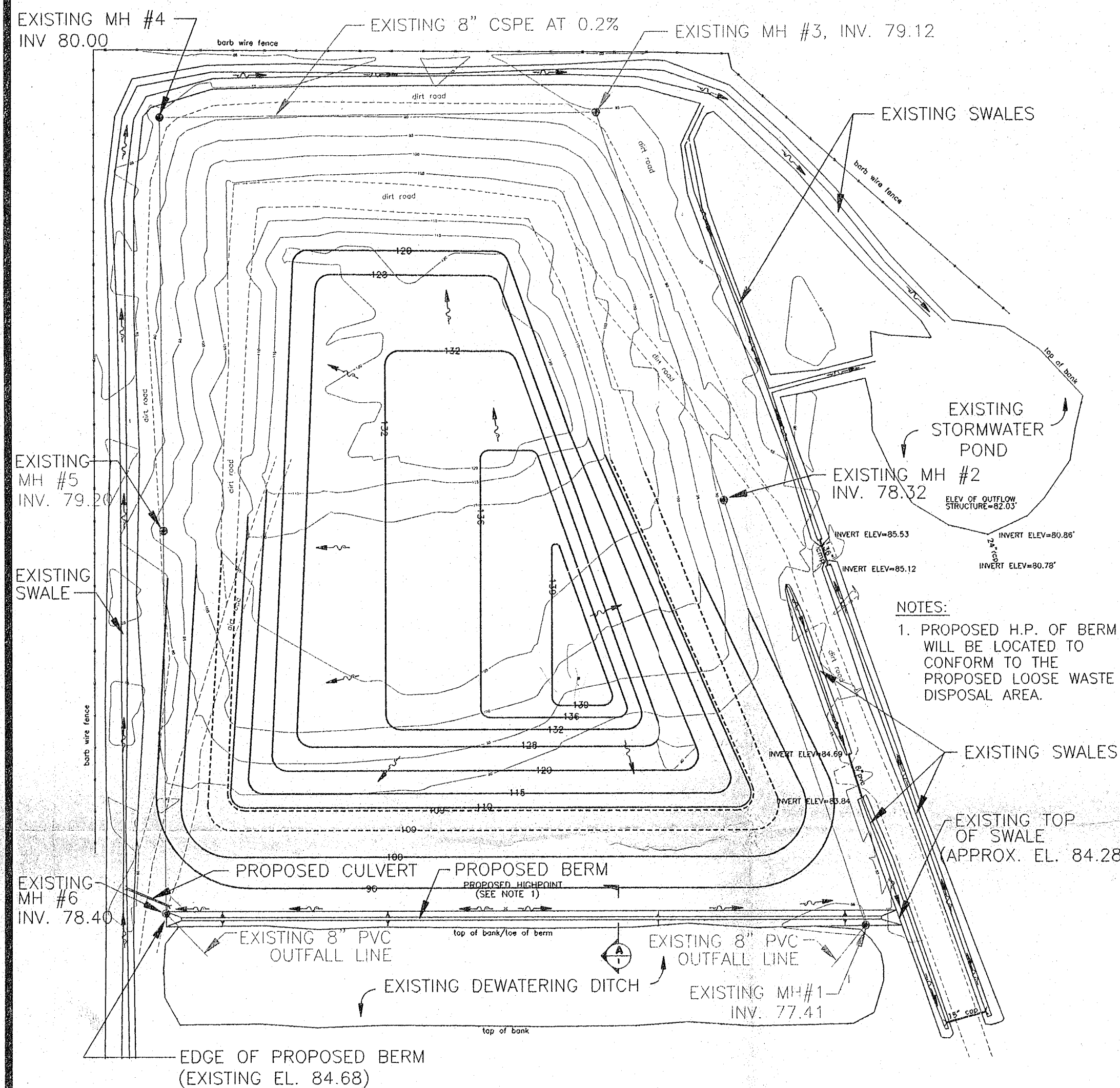
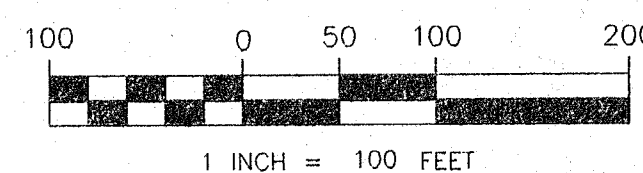
D.E.P.

APR - 5 1996
SOUTHWEST DISTRICT
TAMPA

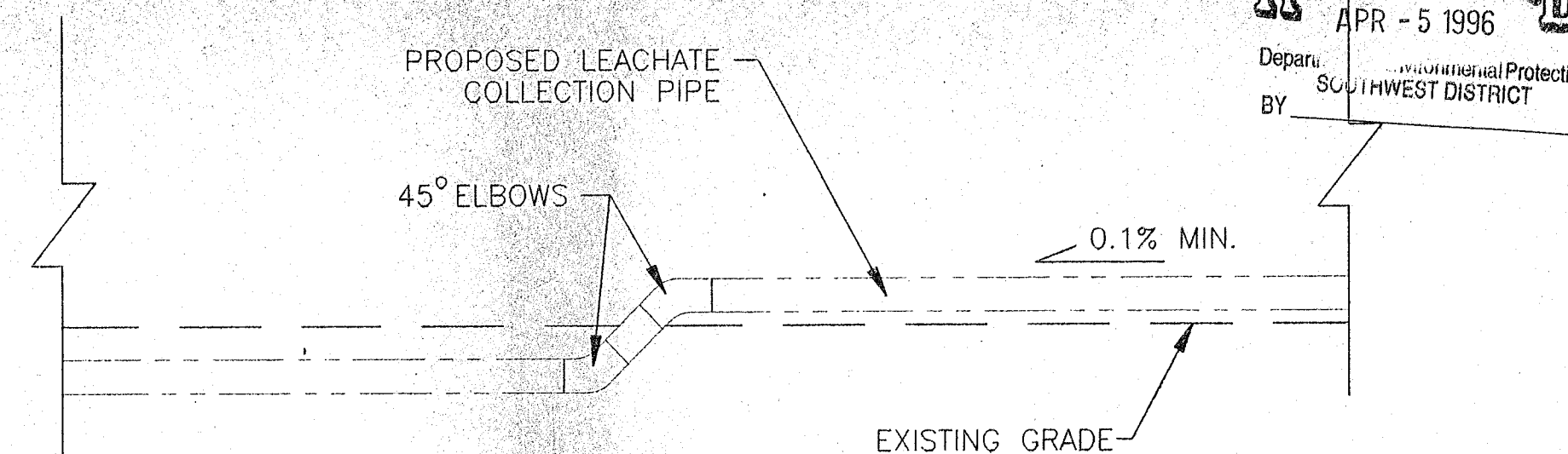
JOB NO. 97-862.15
DRAWN MM
DESIGN MM
CHECKED BT
Q.C. EH
SHEET 1

FILE ONLY

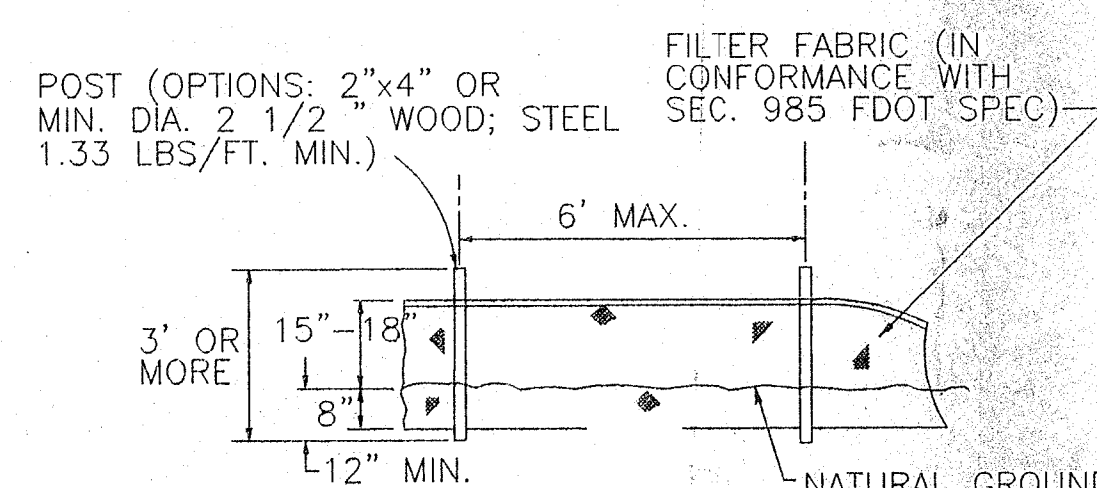
- LEGEND:
- STORMWATER FLOW DIRECTION
 - FINAL DESIGN CONTOURS
 - PROPOSED OPERATIONAL CONTOURS
 - PROPOSED LEACHATE COLLECTION PIPES
 - EXISTING CONTOURS
 - EXISTING ACCESS ROADS
 - EXISTING FENCE



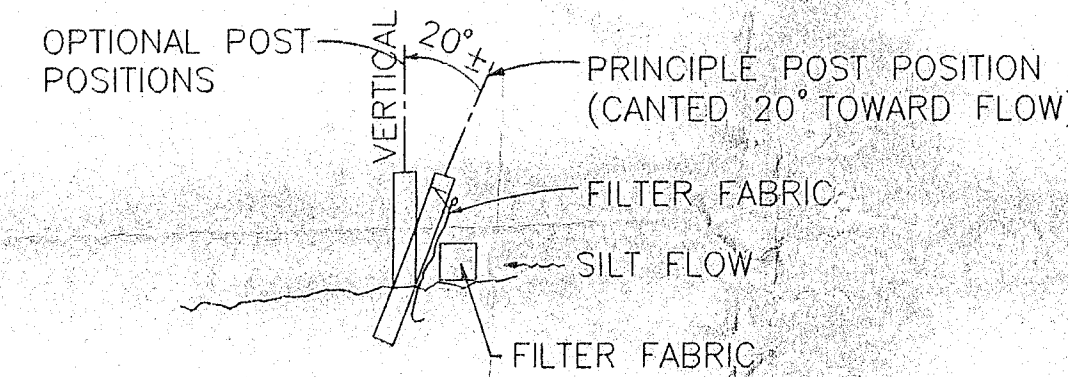
NOTES:
1. PROPOSED H.P. OF BERM WILL BE LOCATED TO CONFORM TO THE PROPOSED LOOSE WASTE DISPOSAL AREA.



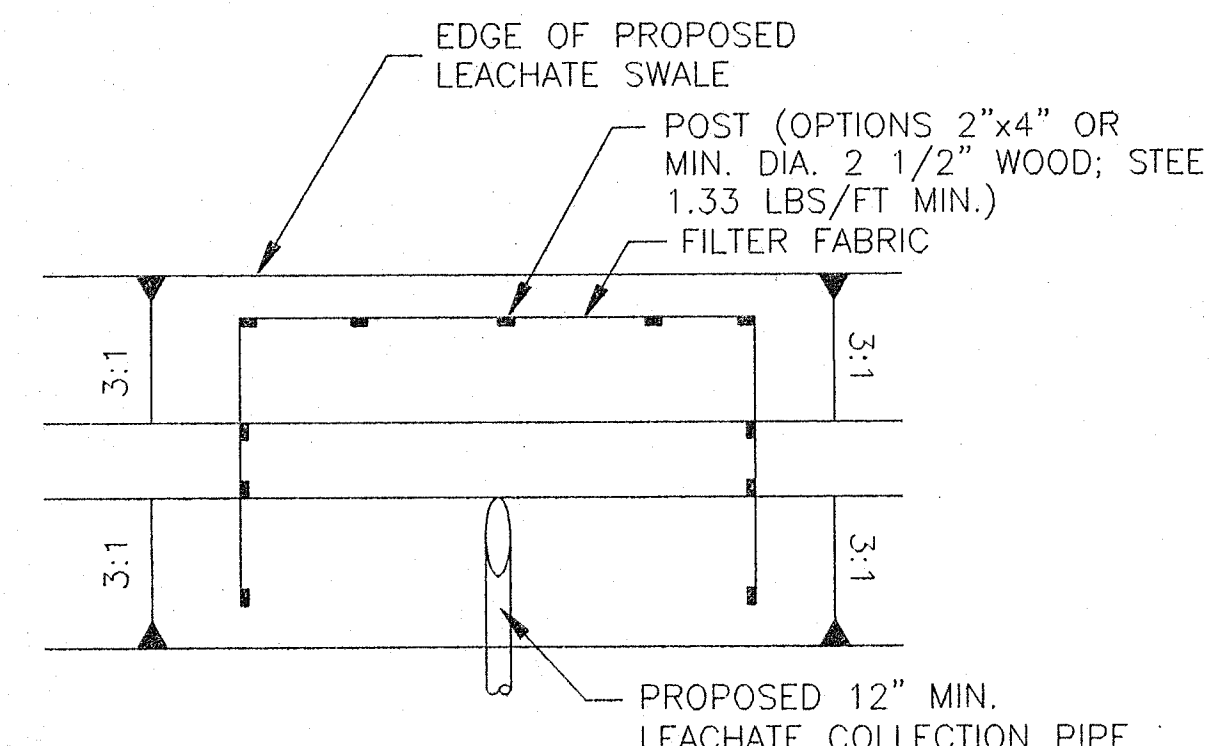
SECTION B
SCALE: 1"=5'



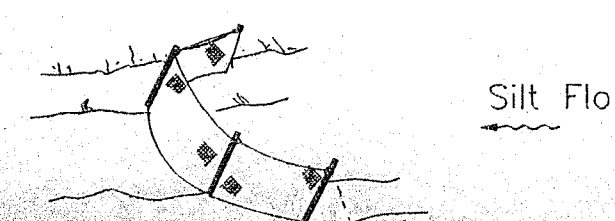
ELEVATION



SECTION

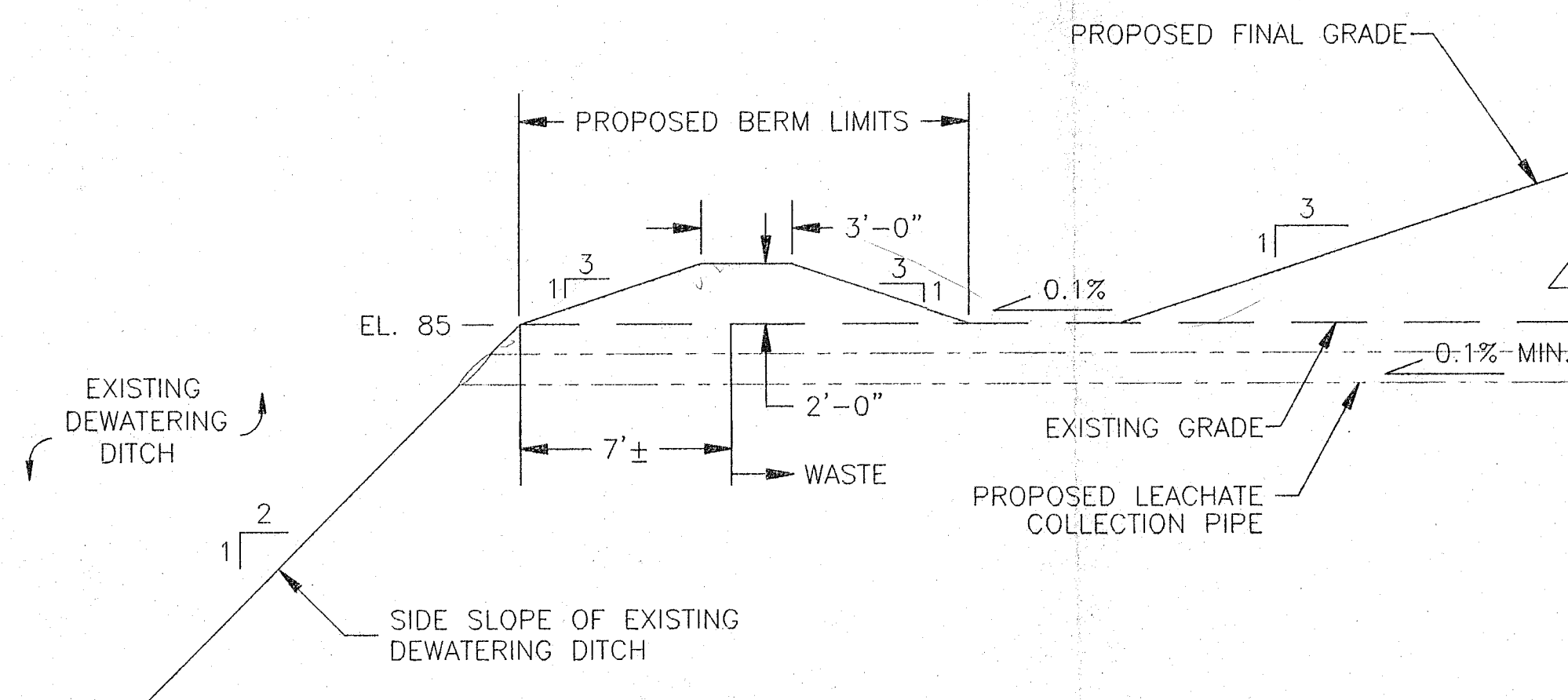


PLAN

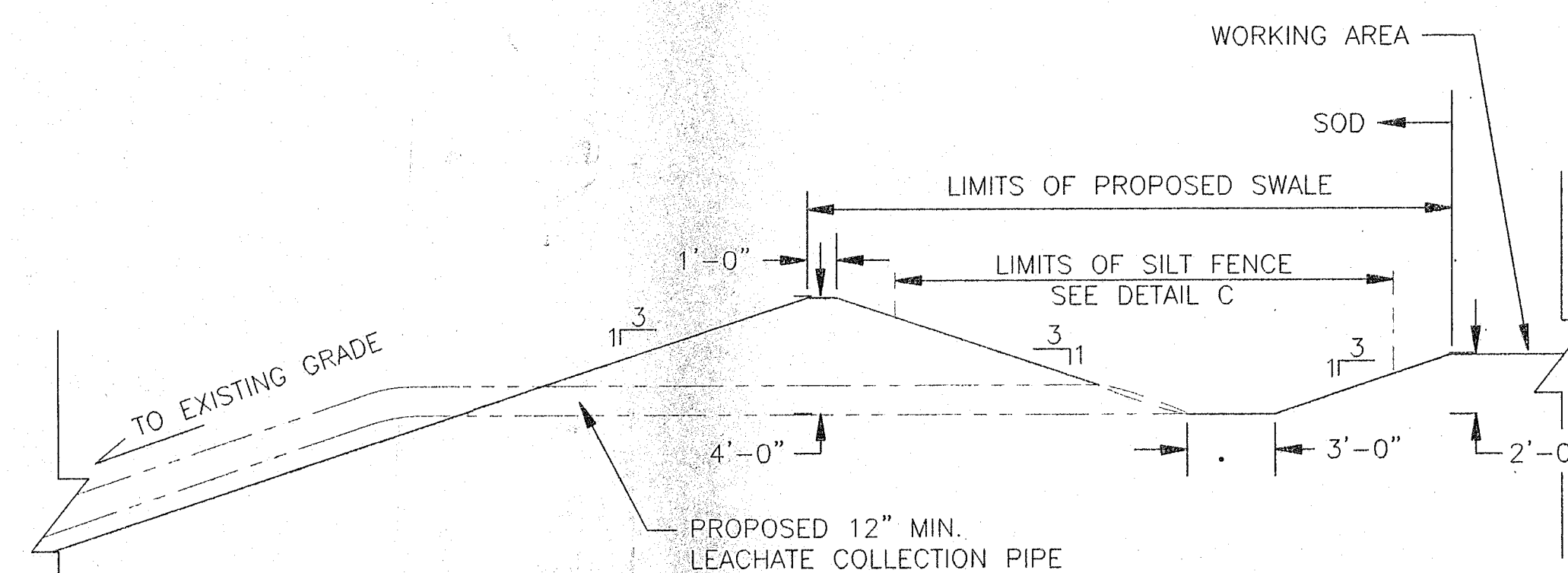


APPLICATION

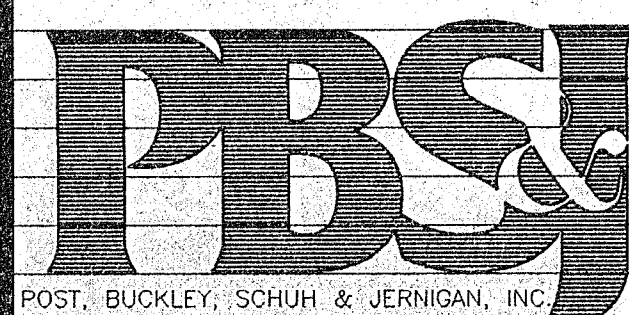
SILT FENCE
N.T.S.



SECTION A
SCALE: 1"=5'



SECTION D
SCALE: 1"=5'



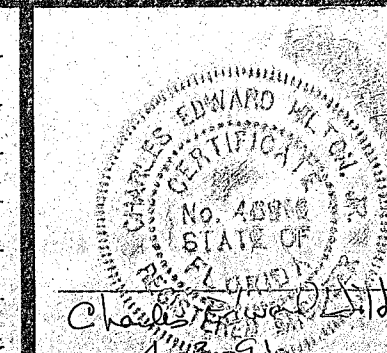
CLIENT
HARDEE COUNTY
BOARD OF COUNTY COMMISSIONERS

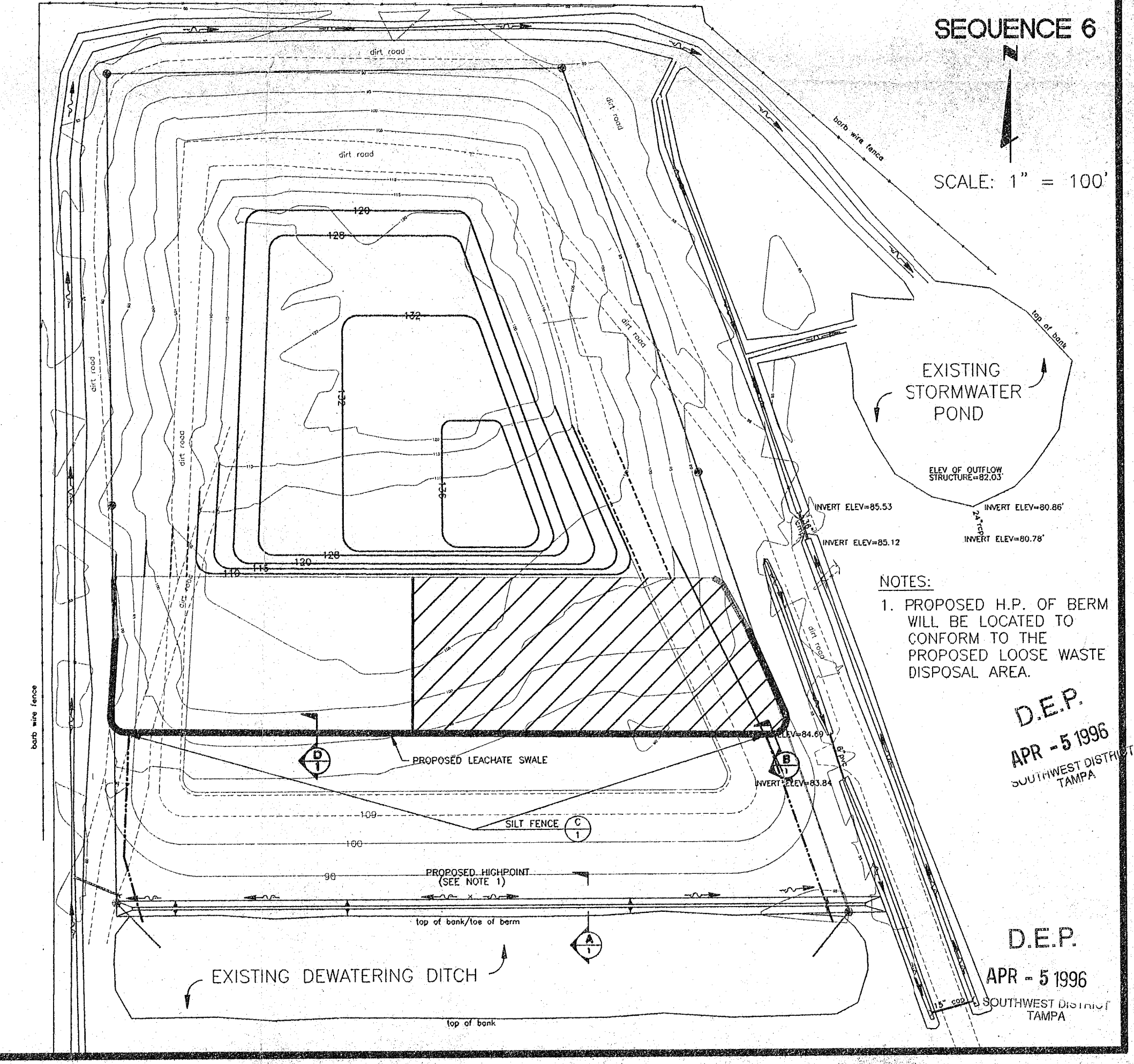
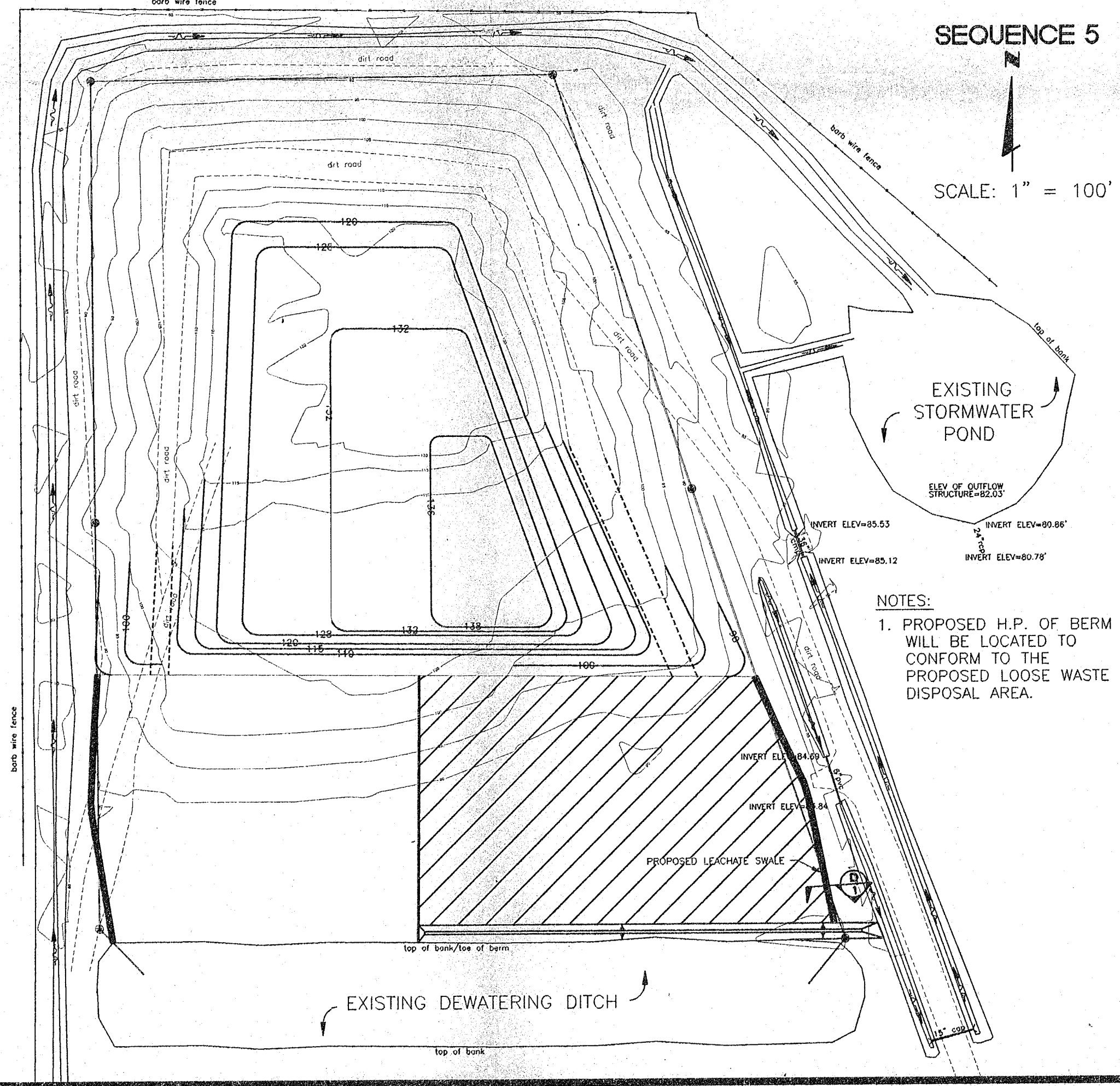
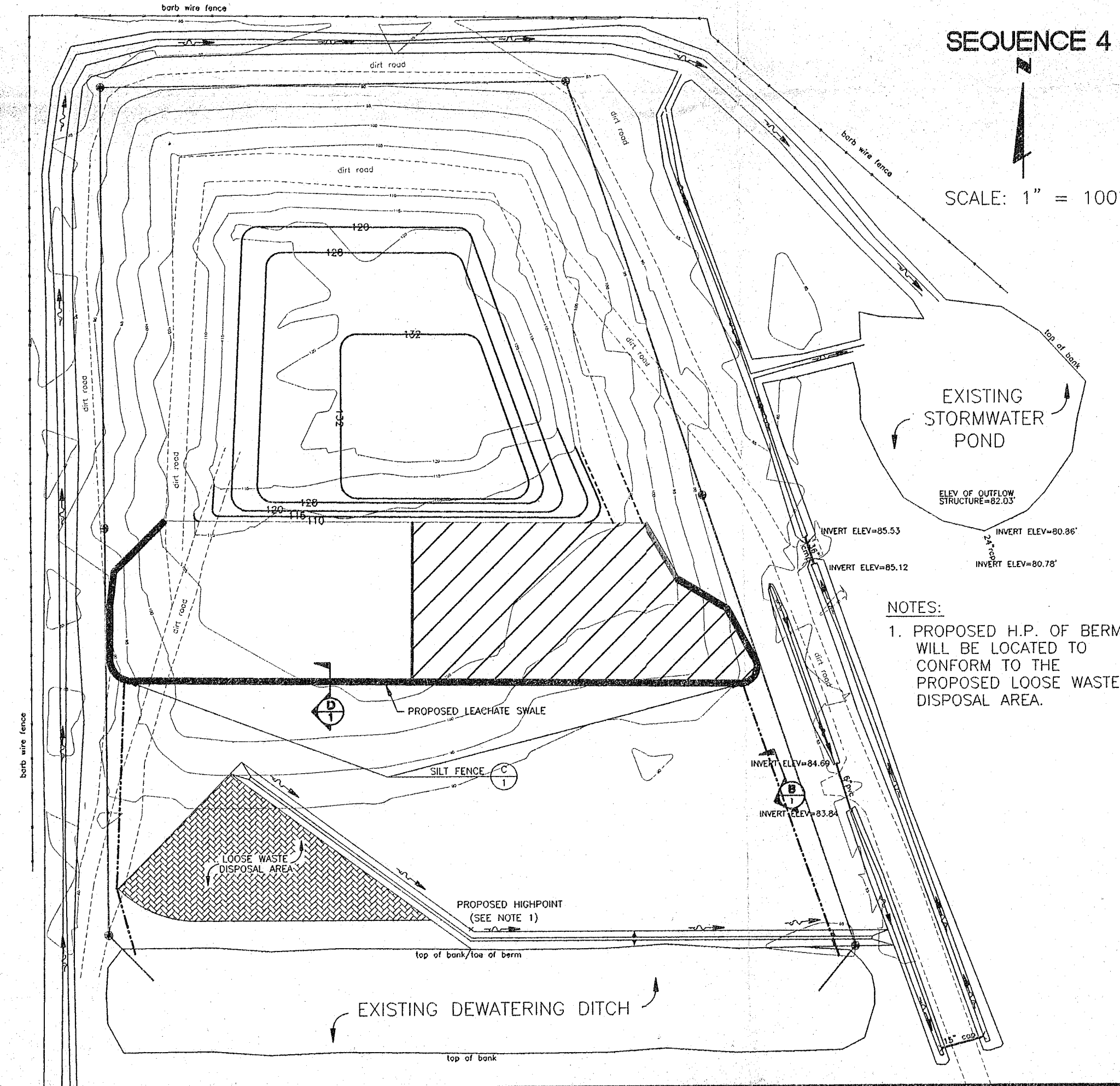
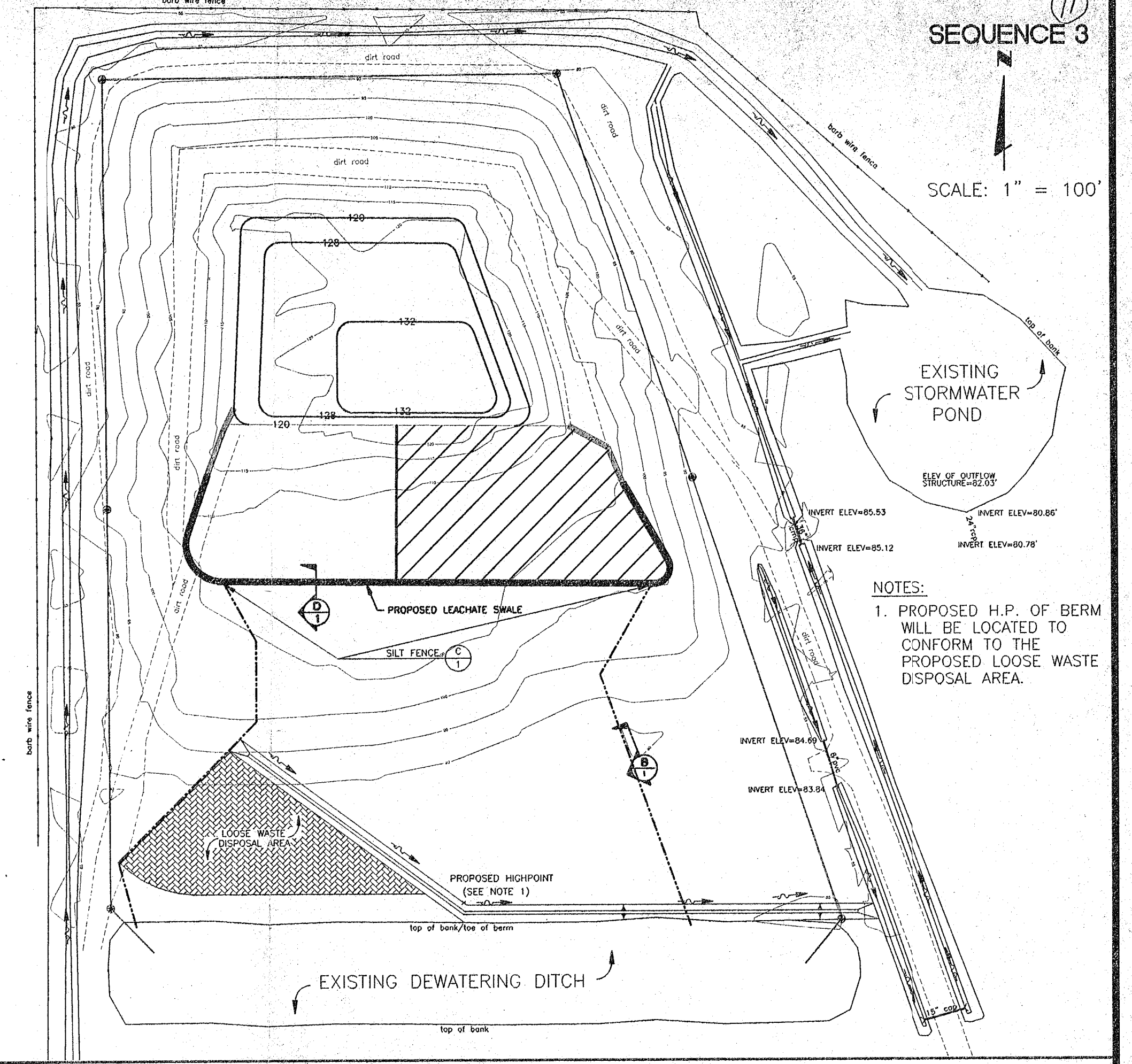
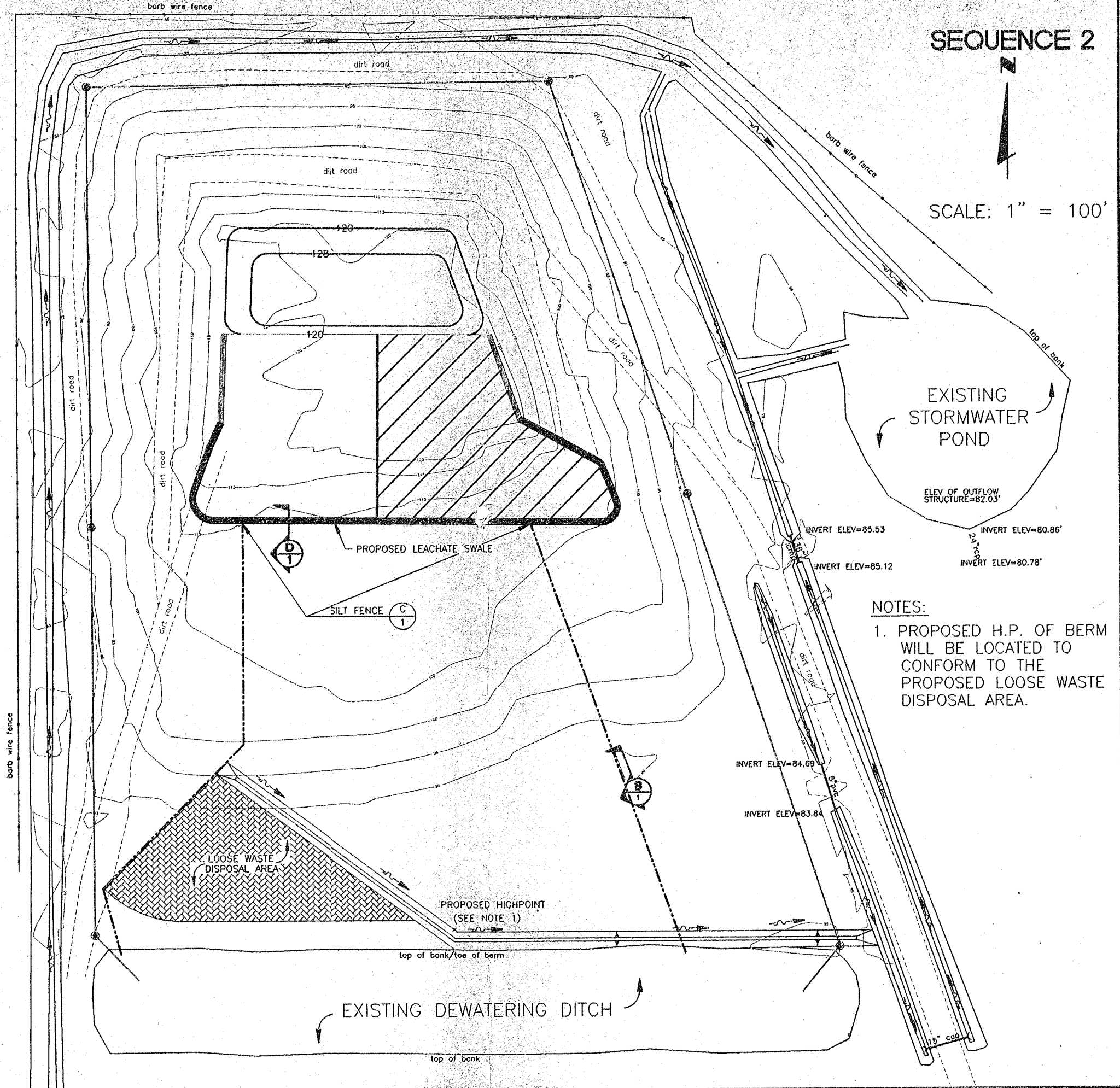
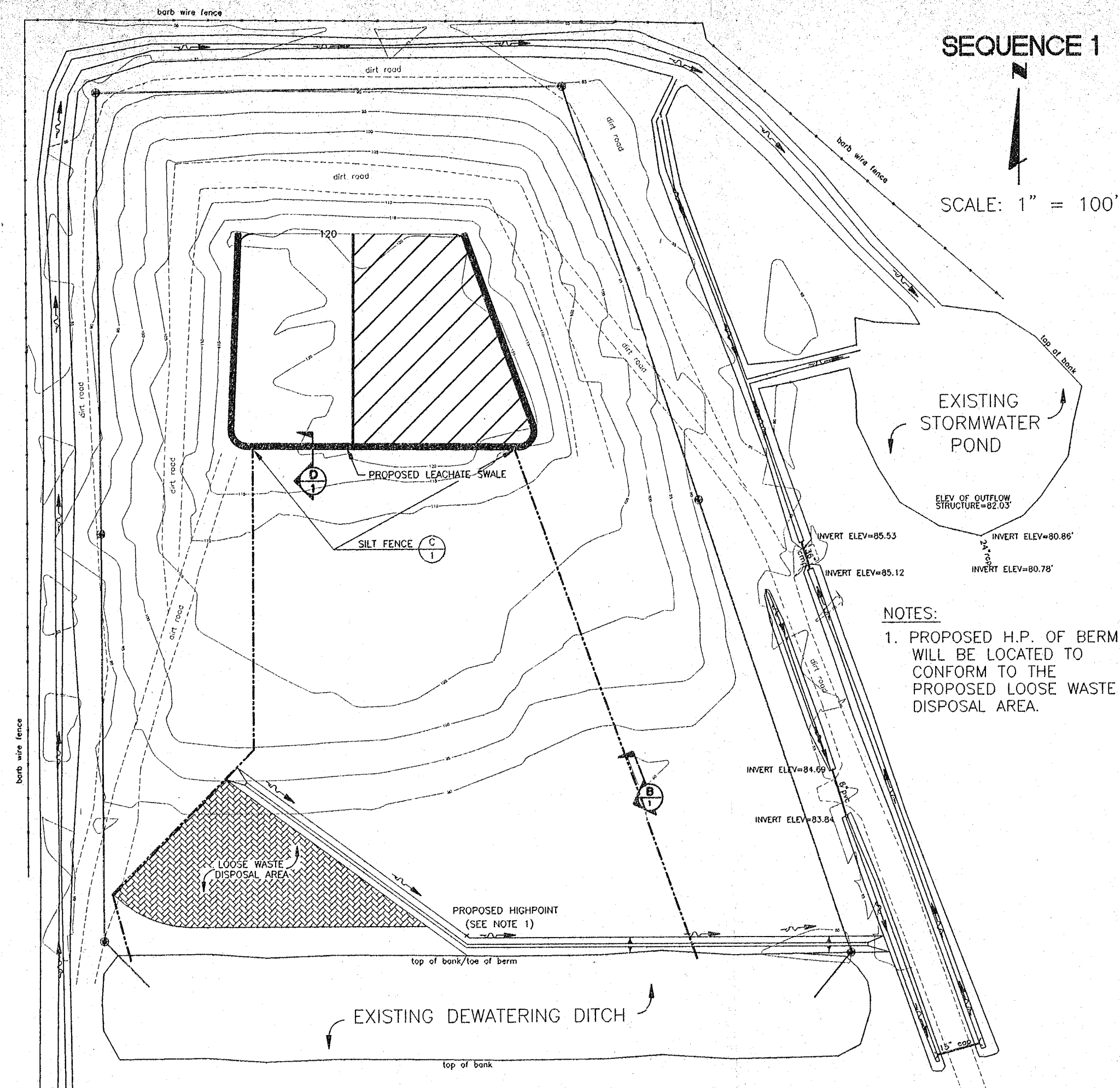
PROJECT
HARDEE COUNTY LANDFILL

TASK
PROPOSED STORMWATER DESIGN
FINAL BUILDOUT
AND
DETAILS

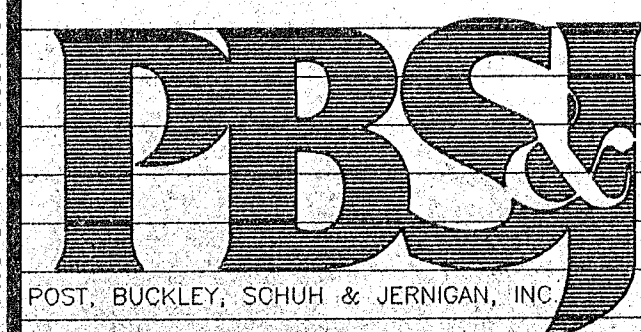
ORIGINAL FEB. 1996
REVISIONS:
1 RAI - APRIL 1996
2
3
4
5

6
7
8
9
10
11
12





F:\ENV\9883\HARDEE\DWG\STWSEQ.DWG
MM 02/19/96 13:30:10
AUGUST 13, 1996



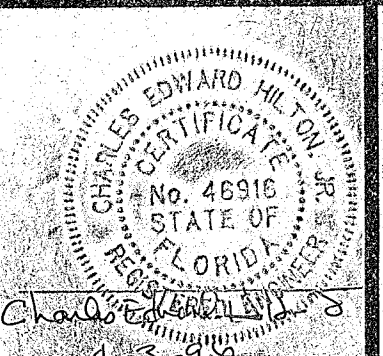
CLIENT
HARDEE COUNTY
BOARD OF COUNTY COMMISSIONERS

PROJECT
HARDEE COUNTY LANDFILL

TASK
PROPOSED STORMWATER DESIGN
OPERATIONAL SEQUENCING PLAN

ORIGINAL FEB. 1996
REVISIONS:
1 RAI - APRIL 1996
2
3
4
5

6
7
8
9
10
11
12



JOB NO. 07-862.15
DRAWN MM
DESIGN MM
CHECKED BT
Q.C. EH
SHEET 2

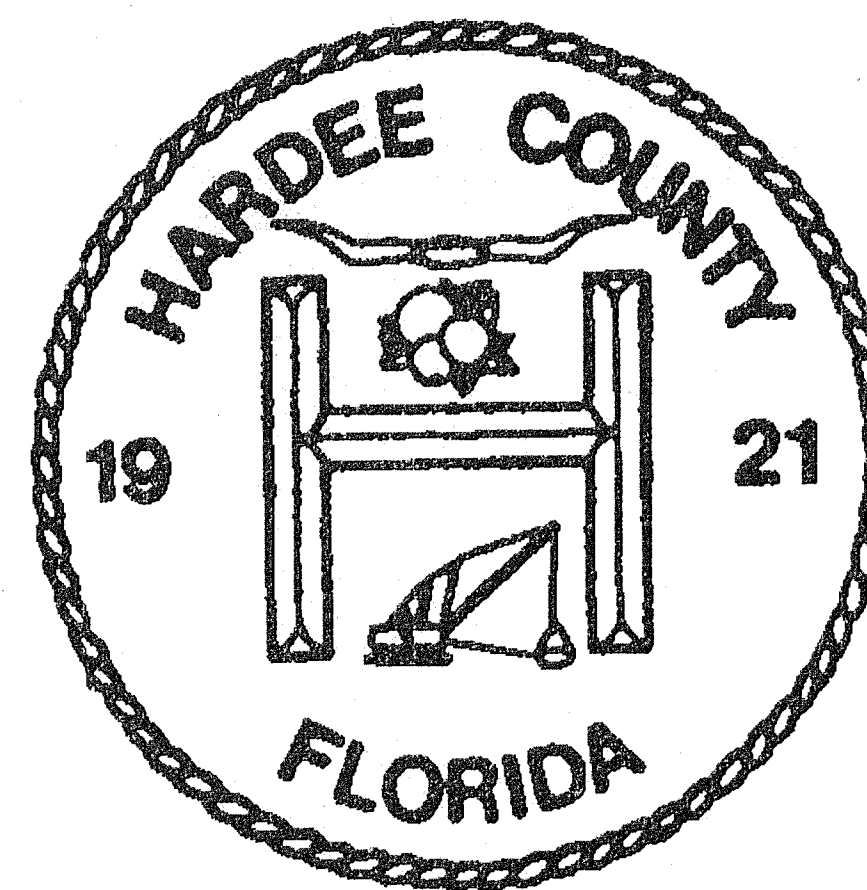
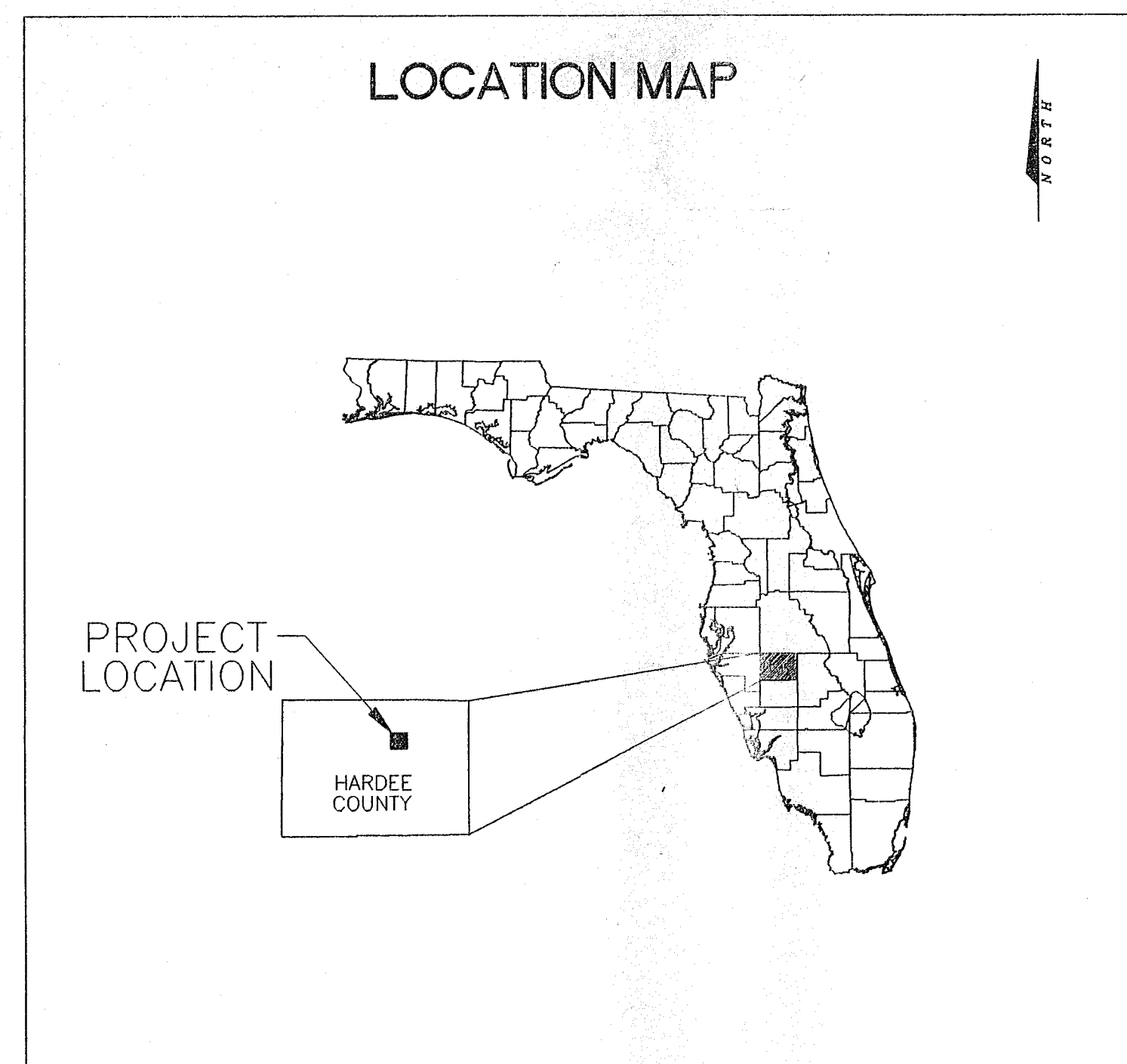
D.E.P.
APR - 5 1996
SOUTHWEST DISTRICT
TAMPA

D.E.P.
APR - 5 1996
SOUTHWEST DISTRICT
TAMPA

HARDEE COUNTY REGIONAL LANDFILL OPERATIONS PERMIT RENEWAL

PREPARED FOR
BOARD OF COUNTY COMMISSIONERS
HARDEE COUNTY, FLORIDA

MARCH 1997



DRAWING INDEX	
SHEET	DESCRIPTION
1	COVER SHEET
2A-2B	AERIAL (500 AND 1000 FOOT RADIUS)
3A-3B	AERIAL (ONE MILE RADIUS)
4	SITE PLAN
5	GAS MANAGEMENT SYSTEM AND MISCELLANEOUS DETAILS

Sheets 6, 7, 8 Segwering Plans *Revised May 2001*

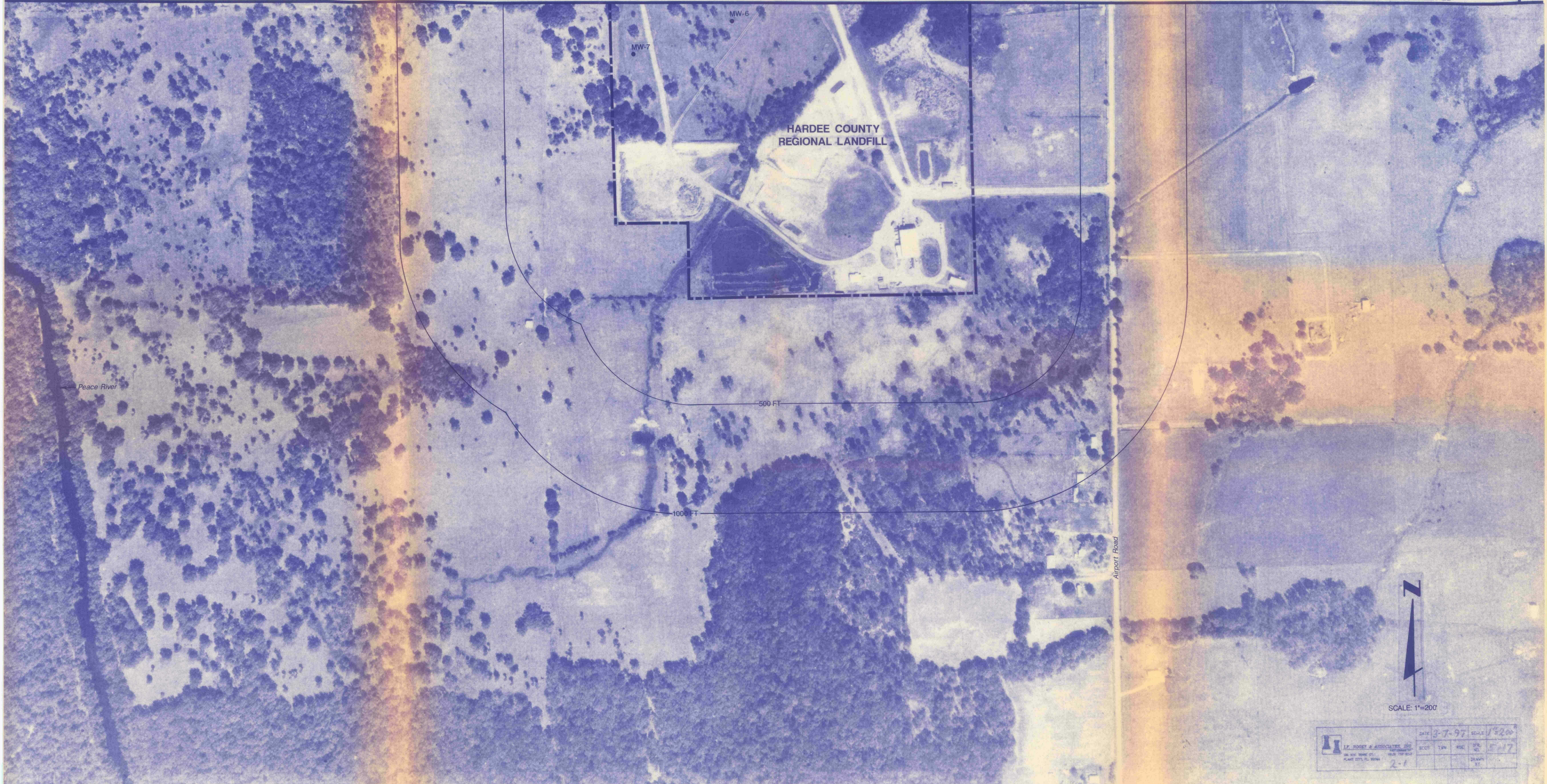
D.E.P.
APR 30 1997
SOUTHWEST DISTRICT
TAMPA

PREPARED BY



POST, BUCKLEY, SCHUH & JERNIGAN INC.
ENGINEERING - PLANNING - ARCHITECTURE

MATCH LINE SEE SHEET 2B



SCALE: 1"=200'

	DATE	3-7-97	SCALE	1"=200'
	SHEET	TWN	RDE	SEC
	2-1			
	DRAWN BY			



CLIENT HARDEE COUNTY
BOARD OF COUNTY COMMISSIONERS

PROJECT HARDEE COUNTY
REGIONAL LANDFILL
PERMIT RENEWAL

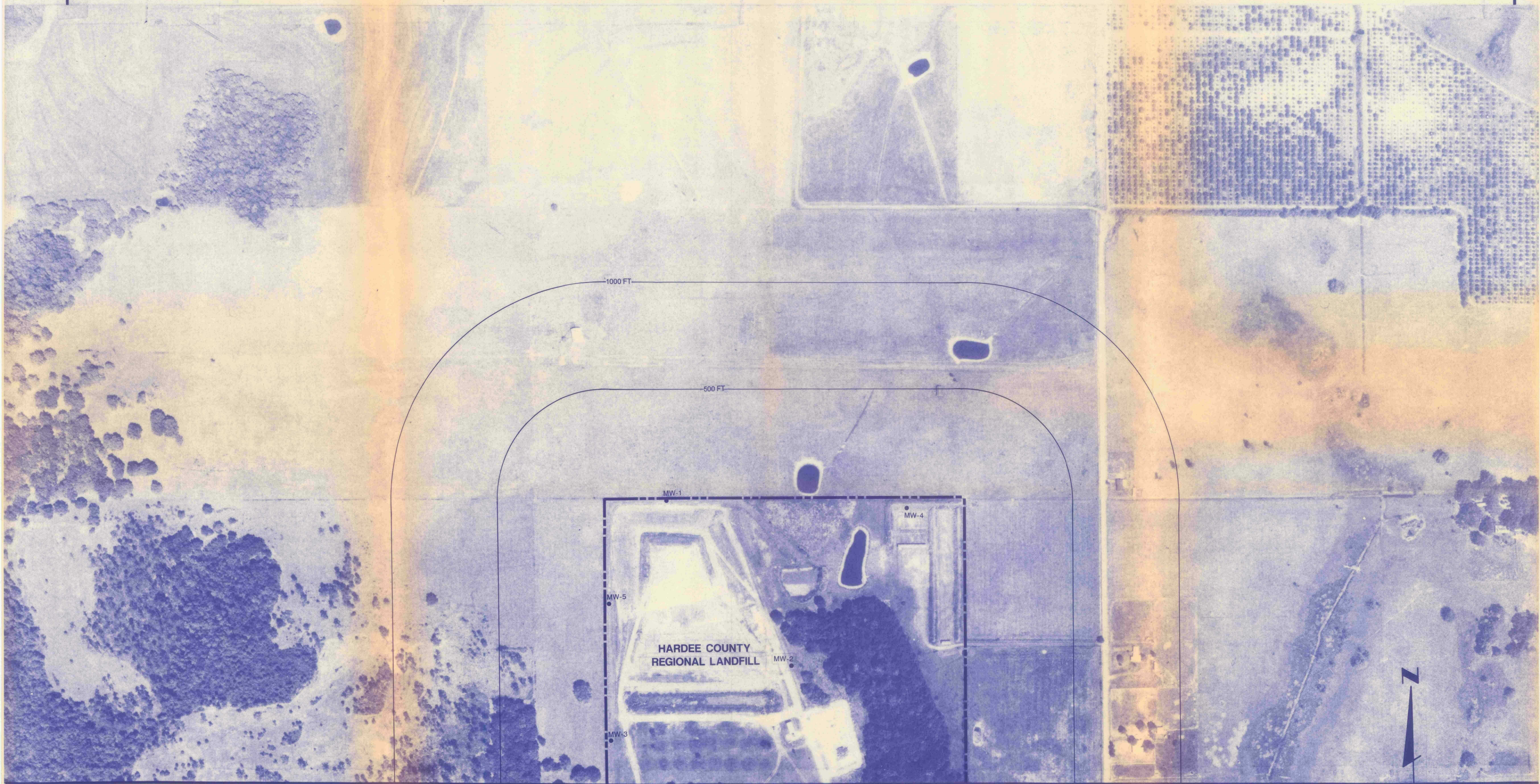
TASK AERIAL SURVEY
(500 FT & 1000 FT RADIUS)

ORIGINAL APRIL 1997
REVISIONS:
1
2
3
4
5

6 D.E.P.
7
8 APR 30 1997
9
10
11
12



JOB NO. 07-862.23
DRAWN AMS
DESIGNED KAL
CHECKED REM
QC
SHEET 2A/5



MATCH LINE
SEE SHEET 2A

SCALE: 1"=200'



CLIENT
HARDEE COUNTY
BOARD OF COUNTY COMMISSIONERS

PROJECT
HARDEE COUNTY
REGIONAL LANDFILL
PERMIT RENEWAL

TASK
AERIAL SURVEY
(500 FT & 1000 FT RADIUS)

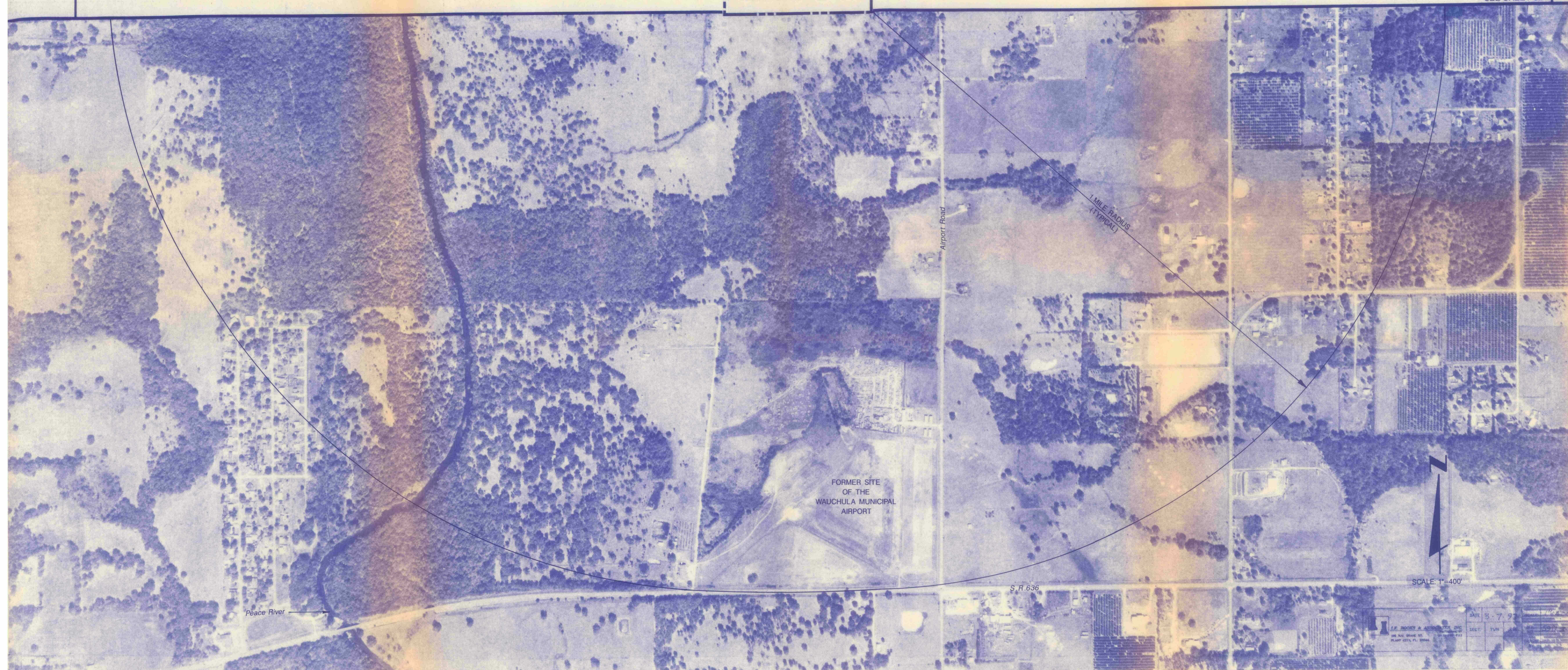
ORIGINAL APRIL 1997
REVISIONS:
1
2
3
4
5

6
7 D.E.P.
8 APR 30 1997
9 SOUTHWEST DISTRICT
10 TAMPA
11
12




JOB NO. 07-862.23
DRAWN AMS
DESIGNED KAL
CHECKED REM
QC
SHEET 2B/5

MATCH LINE
SEE SHEET 3B



REPRO PRODUCTS INC.

CLIENT	HARDEE COUNTY	PROJECT	HARDEE COUNTY	TASK	AERIAL SURVEY	ORIGINAL	APRIL 1997	6	D.E.P.	JOB NO.	07-862 23
BOARD OF COUNTY COMMISSIONERS		REGIONAL LANDFILL		1 MILE RADIUS		REVISIONS:		7	APR 30 1997	DRAWN	AMS
		PERMIT RENEWAL				1		8	SOUTHWEST DISTRICT	DESIGNED	KAL
						2		9	TAMPA	CHECKED	REM
						3		10		QC	
						4		11			
						5		12			



NOT VALID FOR CONSTRUCTION
UNLESS SIGNED IN THIS BLOCK

SHEET 3A/5

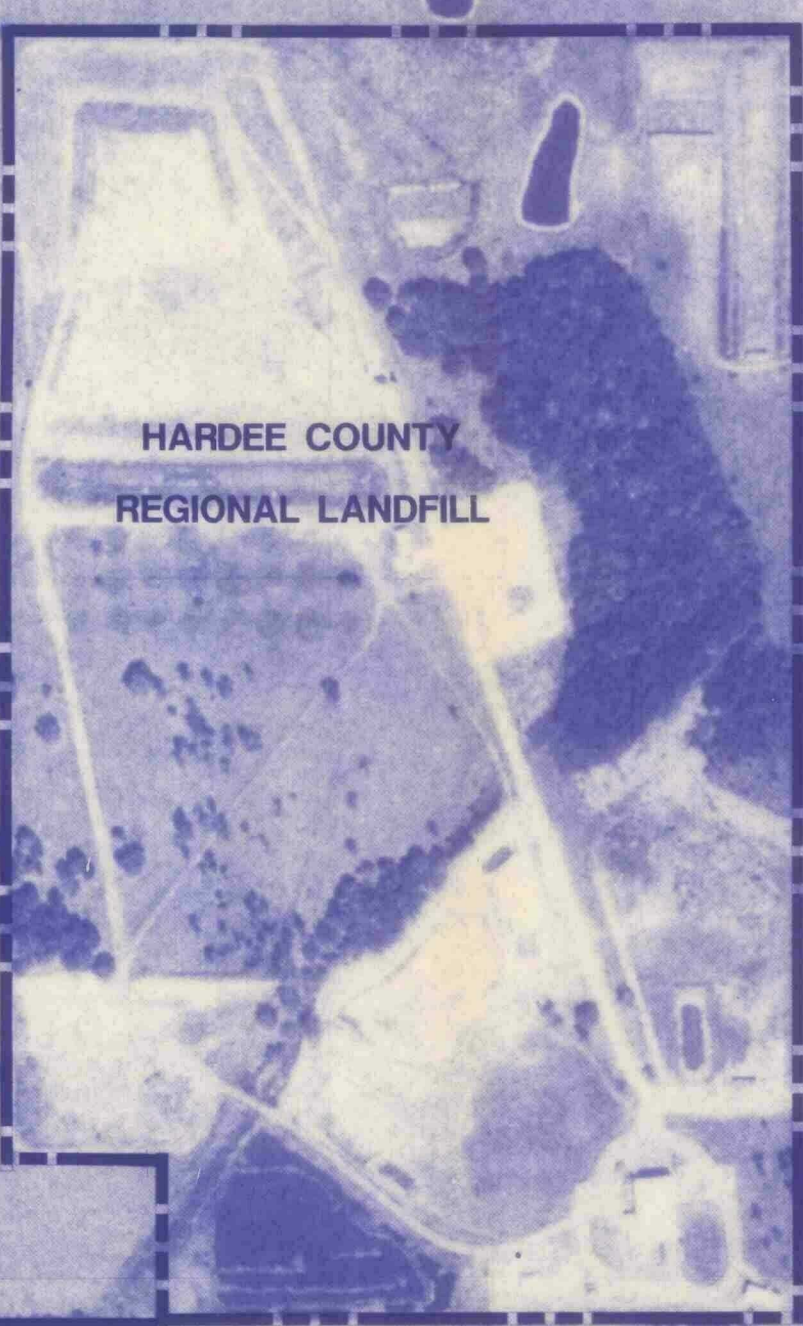


S.R. 664A

ALL PROPERTY WITHIN THE ONE-MILE RADIUS IS ZONED A-1 (AGRICULTURE)

1 MILE RADIUS
(TYPICAL)

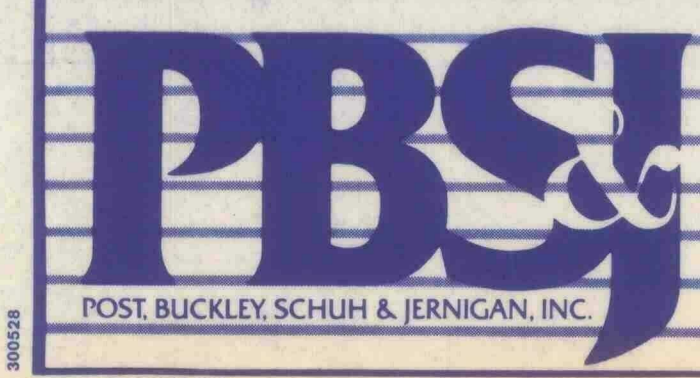
Peace River



HARDEE COUNTY
REGIONAL LANDFILL

MATCH LINE
SEE SHEET 3A

SCALE: 1"=400'



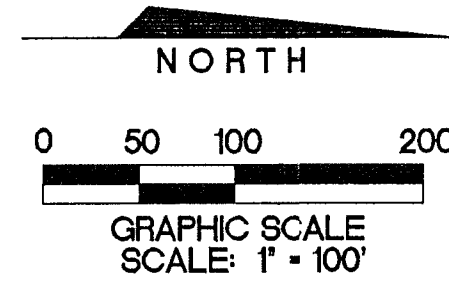
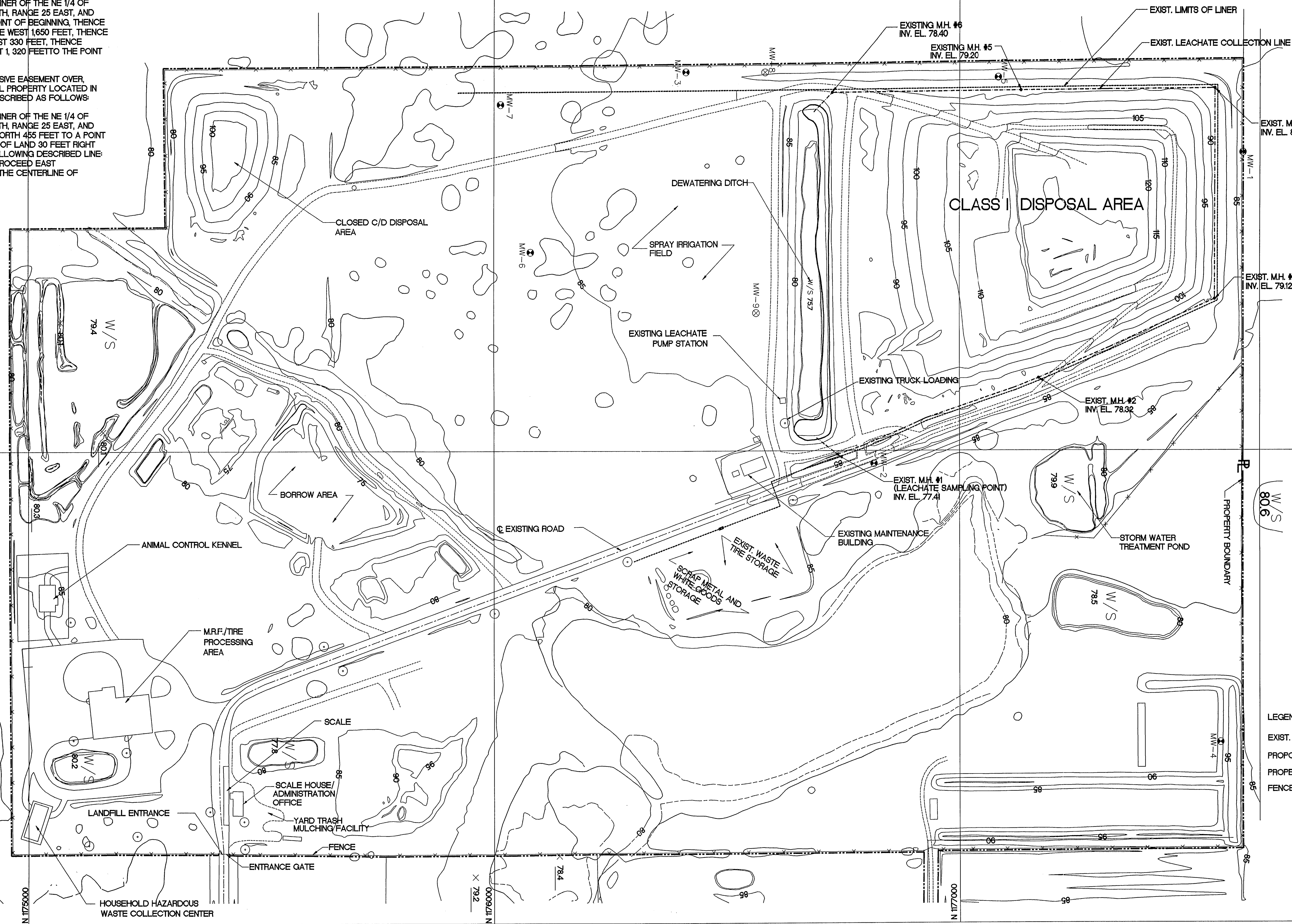
CLIENT	HARDEE COUNTY BOARD OF COUNTY COMMISSIONERS	PROJECT	HARDEE COUNTY REGIONAL LANDFILL PERMIT RENEWAL	TASK	AERIAL SURVEY 1 MILE RADIUS	ORIGINAL REVISIONS:	APRIL 1997	6		 NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK	JOB NO. 07-862.23
						1		7	D.E.P.		DRAWN AMS
						2		8	APR 30 1997		DESIGNED KAL
						3		9	SOUTHWEST DISTRICT TAMPA		CHECKED REM
						4		10			QC
						5		11			
								12			SHEET 3B/5

LEGAL DESCRIPTION:

BEGIN AT THE SOUTHEAST CORNER OF THE NE 1/4 OF SECTION 35, TOWNSHIP 33 SOUTH, RANGE 25 EAST, AND GO WEST 660 FEET TO THE POINT OF BEGINNING, THENCE RUN NORTH 2,640 FEET, THENCE WEST 1,650 FEET, THENCE SOUTH 2,310 FEET, THENCE EAST 330 FEET, THENCE SOUTH 330 FEET, THENCE EAST 1,320 FEET TO THE POINT OF BEGINNING;

TOGETHER WITH A NON-EXCLUSIVE EASEMENT OVER, ALONG, AND ACROSS THE REAL PROPERTY LOCATED IN HARDEE COUNTY, FLORIDA, DESCRIBED AS FOLLOWS:

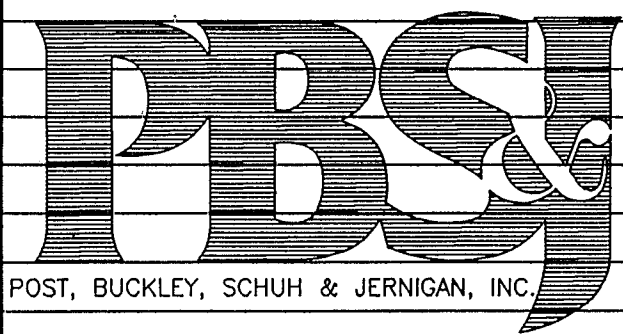

BEGIN AT THE SOUTHEAST CORNER OF THE NE 1/4 OF SECTION 35, TOWNSHIP 33 SOUTH, RANGE 25 EAST, AND GO WEST 660 FEET, THENCE NORTH 455 FEET TO A POINT OF BEGINNING, BEING A TRACT OF LAND 30 FEET RIGHT AND 30 FEET LEFT OF THE FOLLOWING DESCRIBED LINE: FROM A POINT OF BEGINNING PROCEED EAST APPROXIMATELY 660 FEET TO THE CENTERLINE OF AIRPORT ROAD.



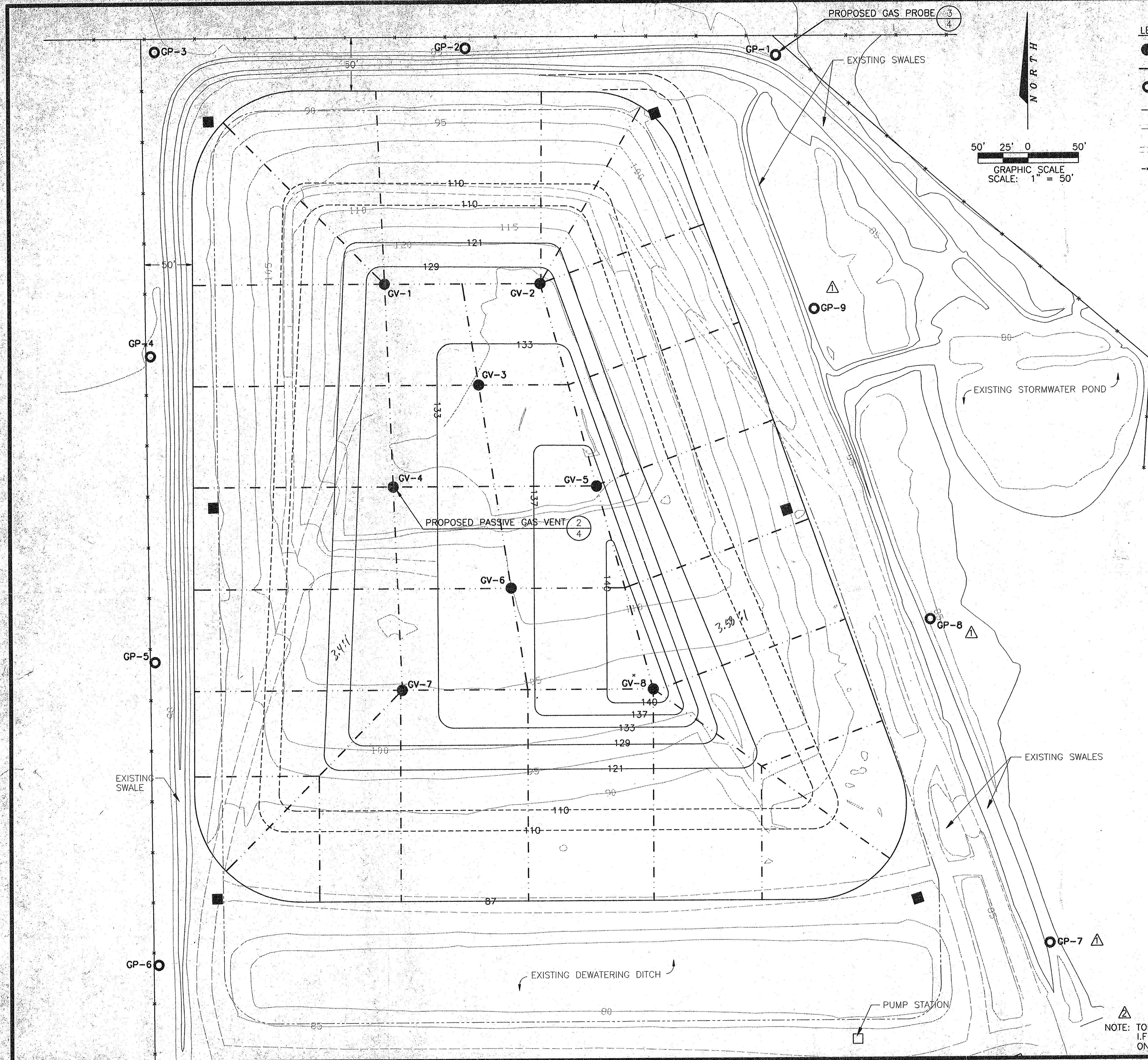
- LEGEND:
- EXIST. MONITORING WELL
 - PROPOSED MONITORING WELL
 - PROPERTY LINE
 - FENCE
- MW-4
MW-1

D.E.P.
JUN 27 1997

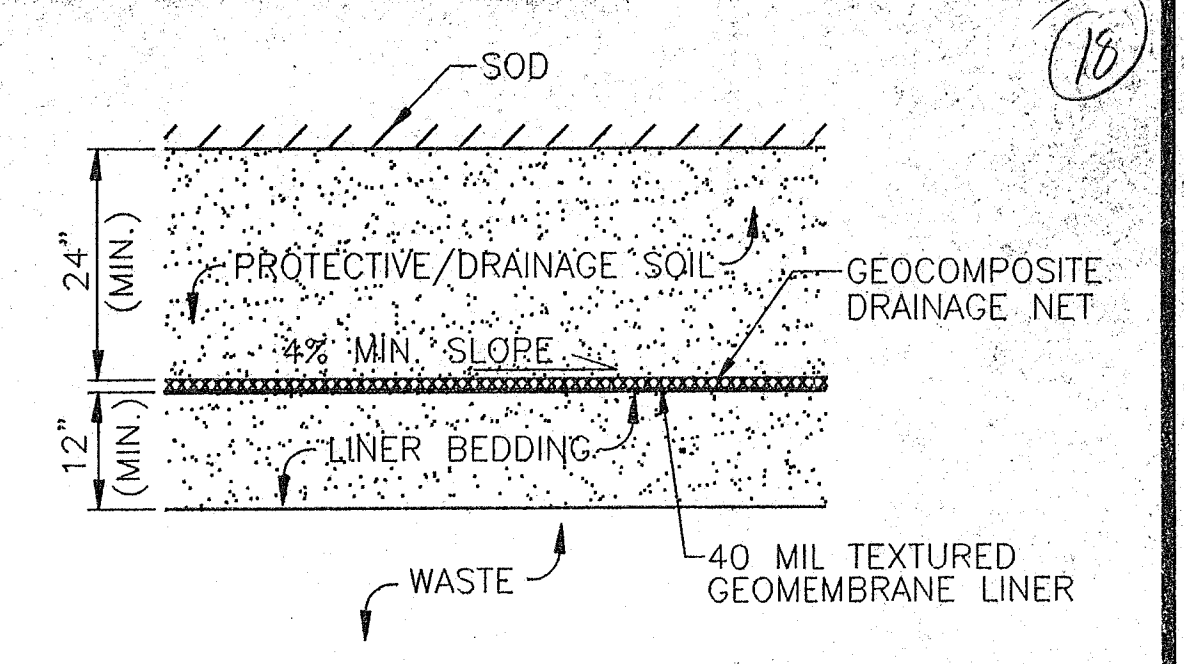
NOTE: TOPOGRAPHY FLOWN BY I.F. ROOKS & ASSOCIATES, INC., ON FEBRUARY 19, 1997.

 POST, BUCKLEY, SCHUH & JERNIGAN, INC.	CLIENT HARDEE COUNTY BOARD OF COUNTY COMMISSIONERS	PROJECT HARDEE COUNTY REGIONAL LANDFILL CLASS I LANDFILL	TASK SITE PLAN	ORIGINAL APRIL 1997 REVISIONS: 1 RAI #2 JUNE 1997 2 3 4 5	6 7 8 9 10 11 12		JOB NO. 07-862.35 DRAWN - RGC DESIGN - RGC CHECKED - Q.C. - SHEET 4/5

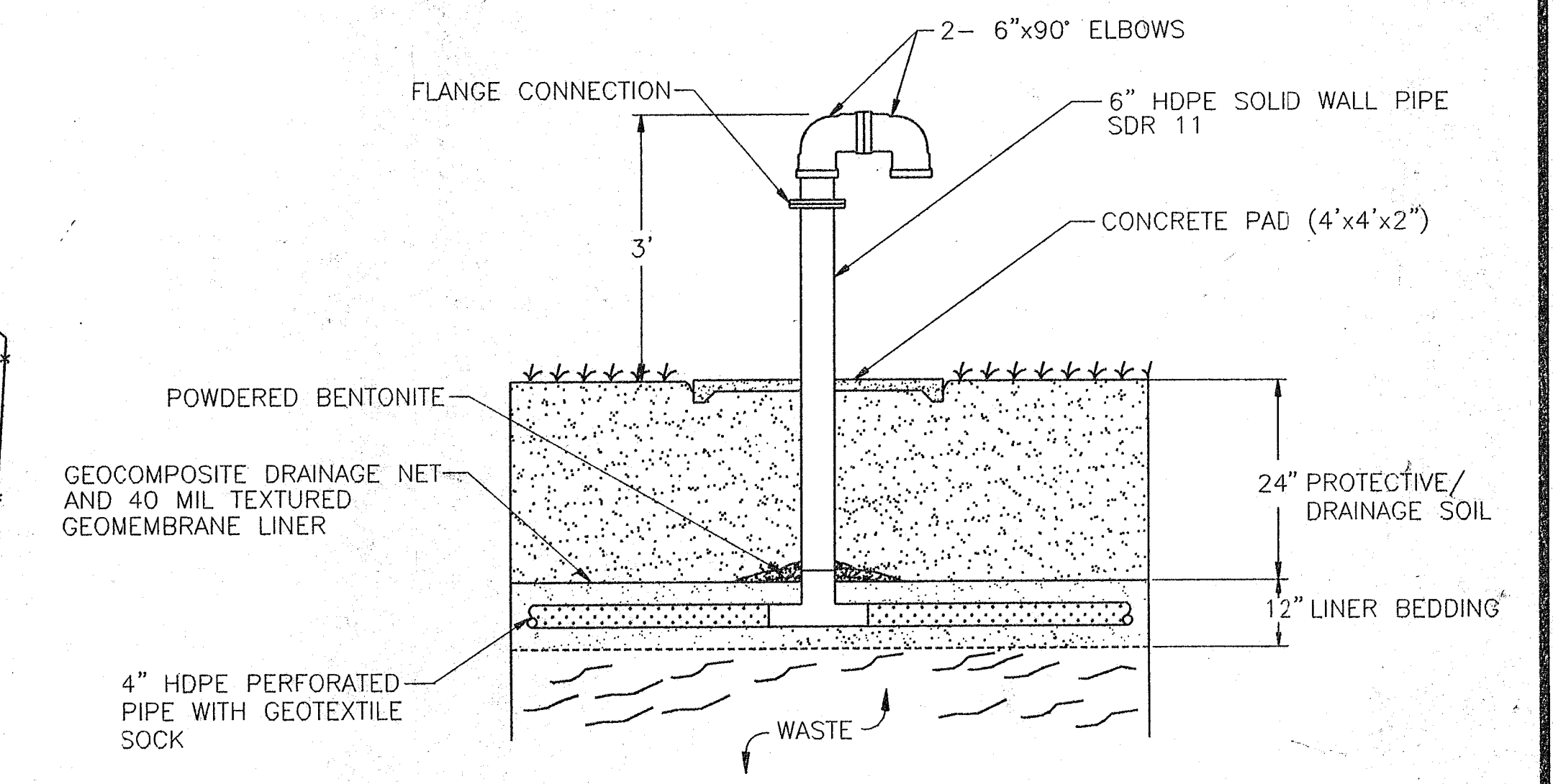
1. ENCLOSURE WASTEWATER HARDEE COUNTY PERMITTING DIVISION
2. ENCLOSURE WASTEWATER HARDEE COUNTY PERMITTING DIVISION
3. ENCLOSURE WASTEWATER HARDEE COUNTY PERMITTING DIVISION
4. ENCLOSURE WASTEWATER HARDEE COUNTY PERMITTING DIVISION
5. ENCLOSURE WASTEWATER HARDEE COUNTY PERMITTING DIVISION
6. ENCLOSURE WASTEWATER HARDEE COUNTY PERMITTING DIVISION
7. ENCLOSURE WASTEWATER HARDEE COUNTY PERMITTING DIVISION
8. ENCLOSURE WASTEWATER HARDEE COUNTY PERMITTING DIVISION
9. ENCLOSURE WASTEWATER HARDEE COUNTY PERMITTING DIVISION
10. ENCLOSURE WASTEWATER HARDEE COUNTY PERMITTING DIVISION
11. ENCLOSURE WASTEWATER HARDEE COUNTY PERMITTING DIVISION
12. ENCLOSURE WASTEWATER HARDEE COUNTY PERMITTING DIVISION



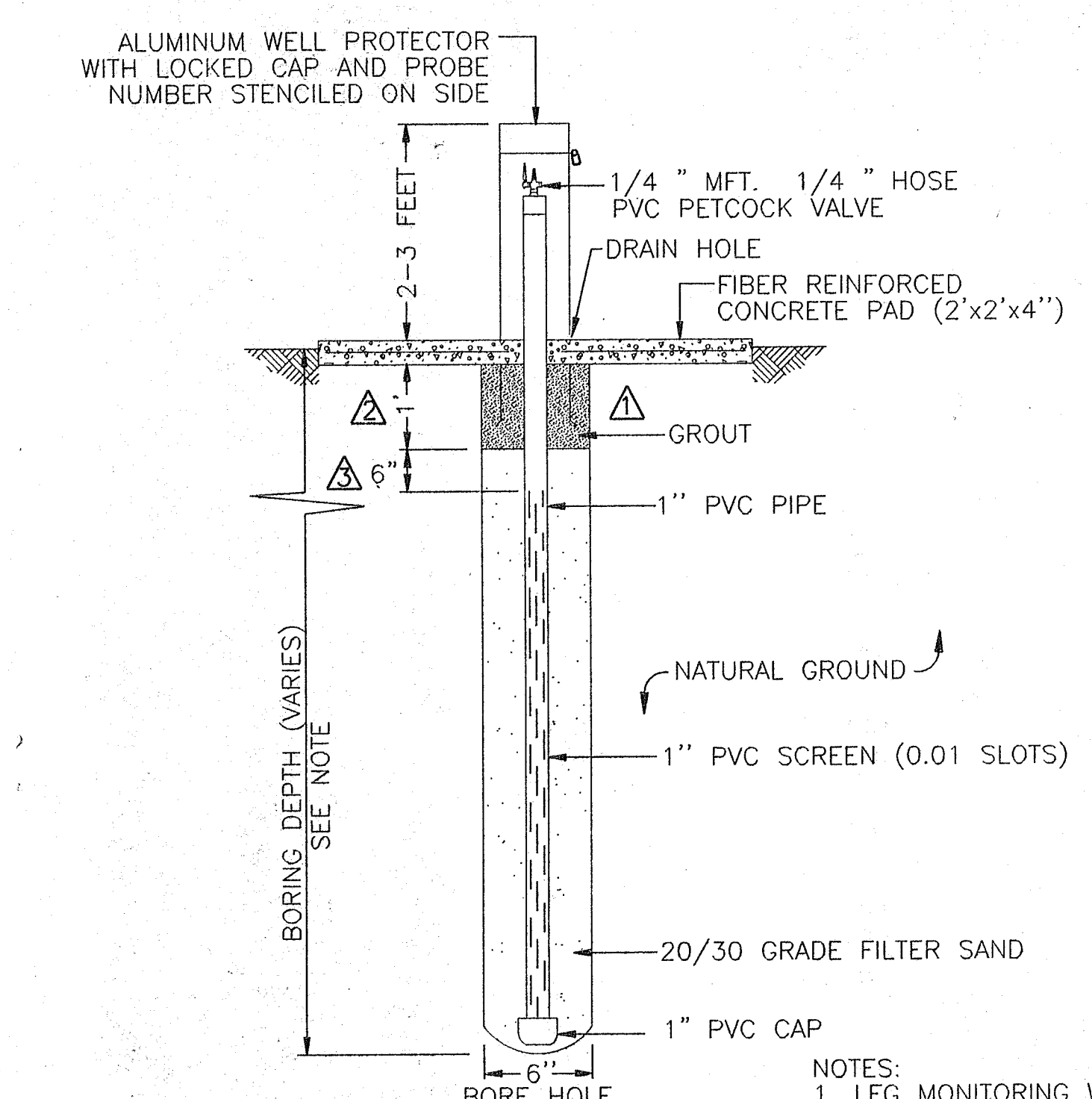
- LEGEND:**
- GV-1 PROPOSED PASSIVE GAS VENT
 - PROPOSED HORIZONTAL GAS PIPELINE
 - GP-1 PROPOSED GAS PROBE
 - FINAL DESIGN CONTOURS
 - EXISTING CONTOURS
 - EXISTING ACCESS ROADS
 - EXISTING FENCE
 - EXISTING PASSIVE GAS VENT



PROPOSED CLOSURE LINER SYSTEM
N.T.S.



PROPOSED PASSIVE GAS VENT
N.T.S.

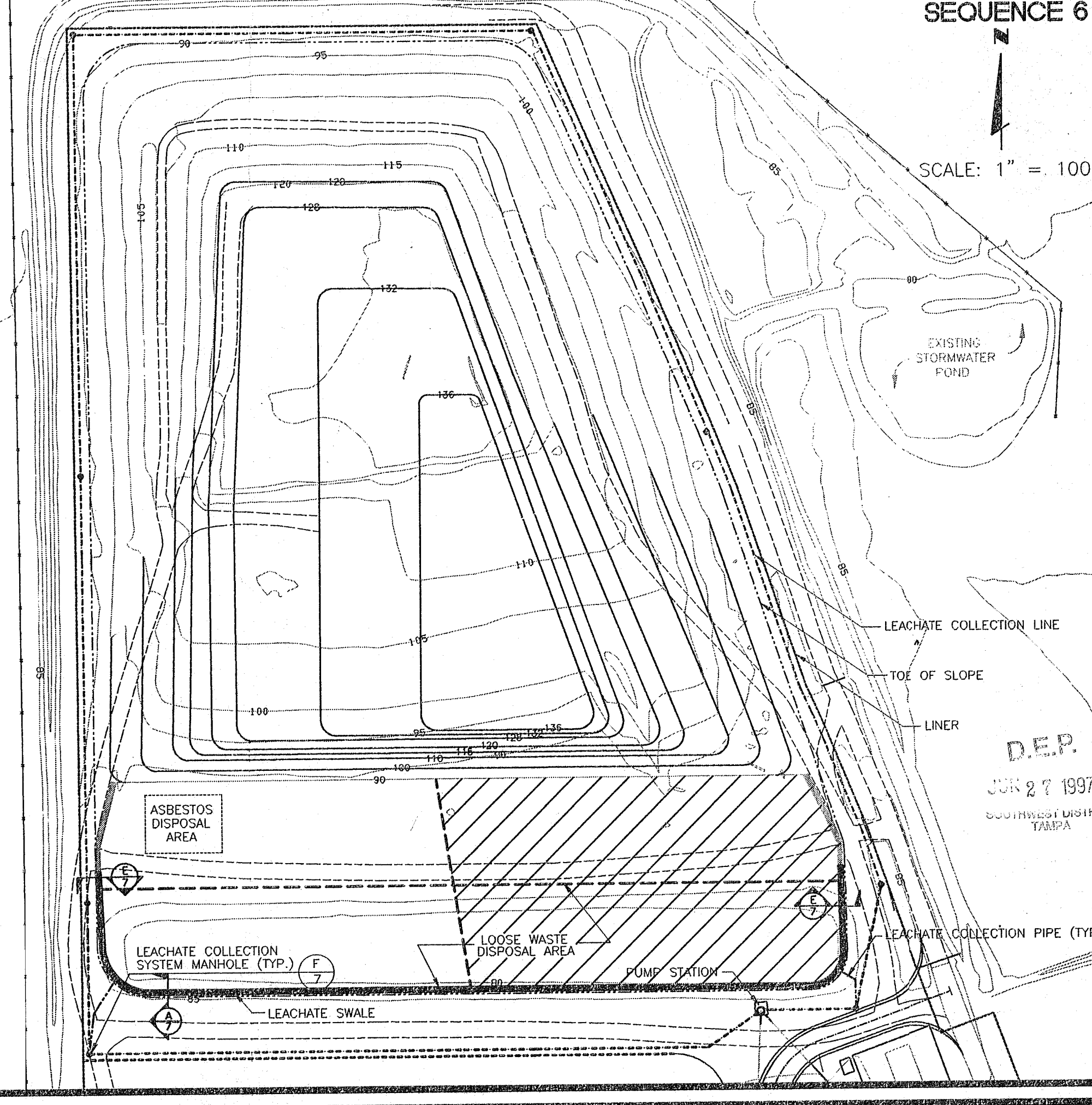
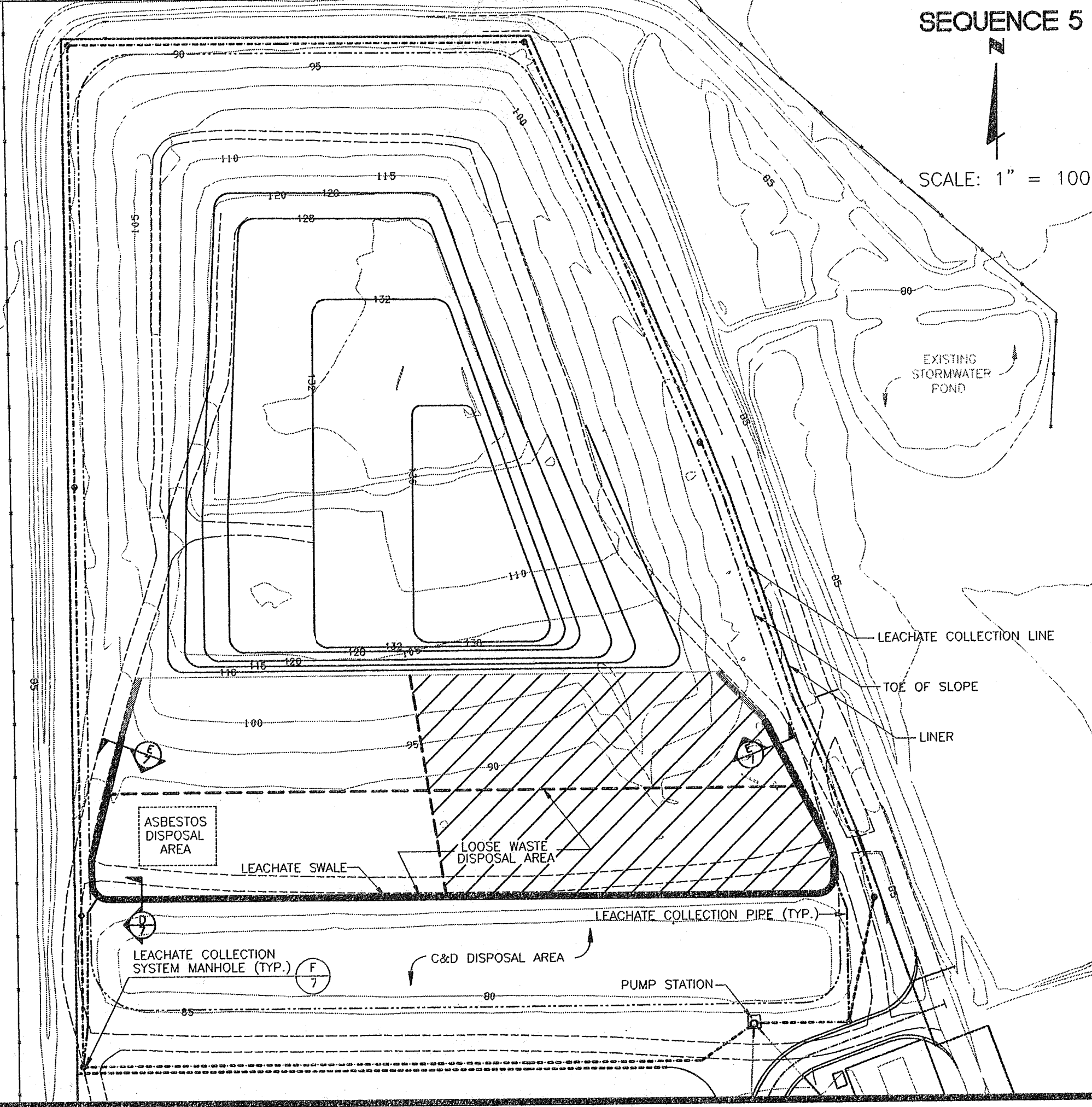
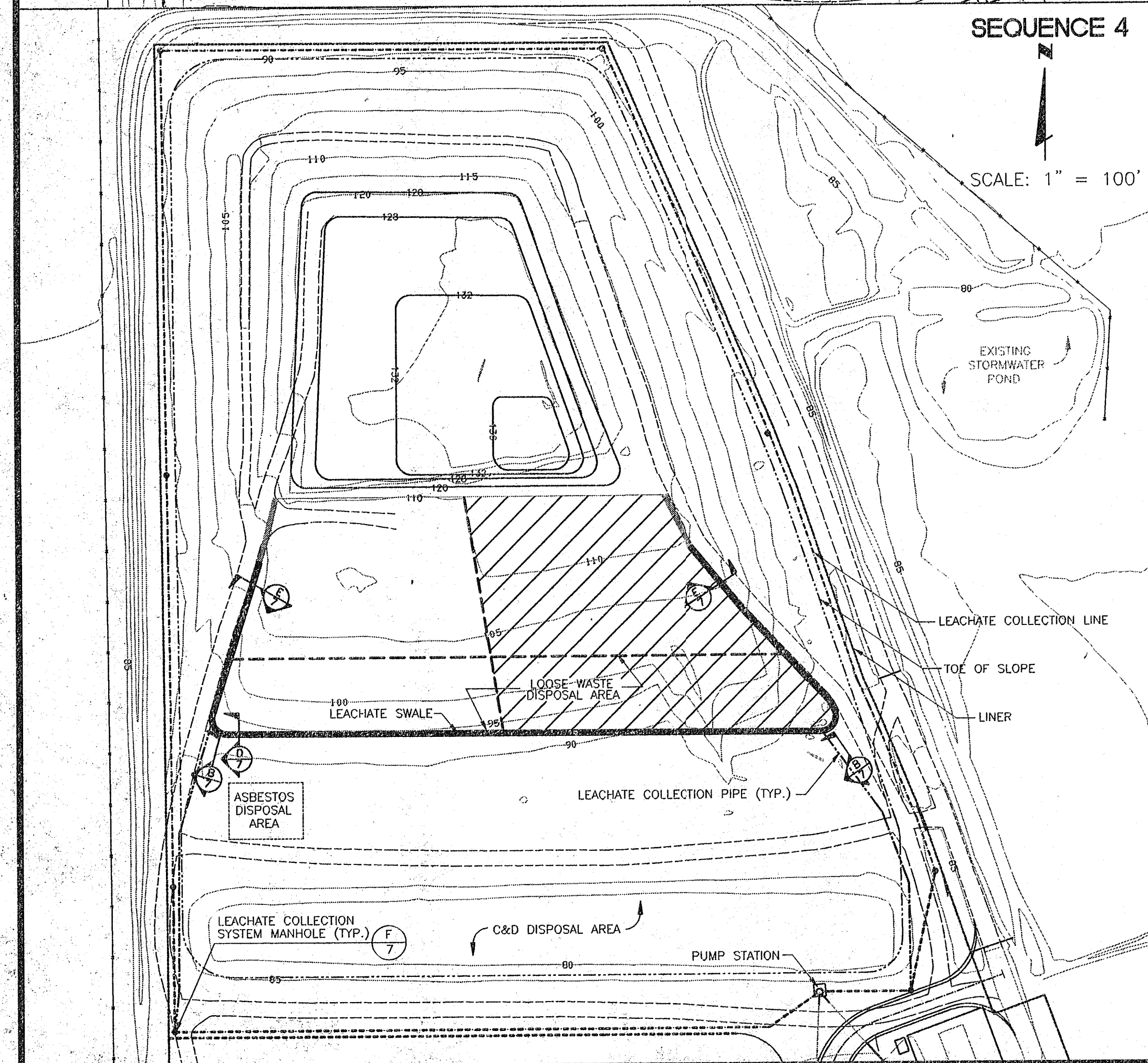
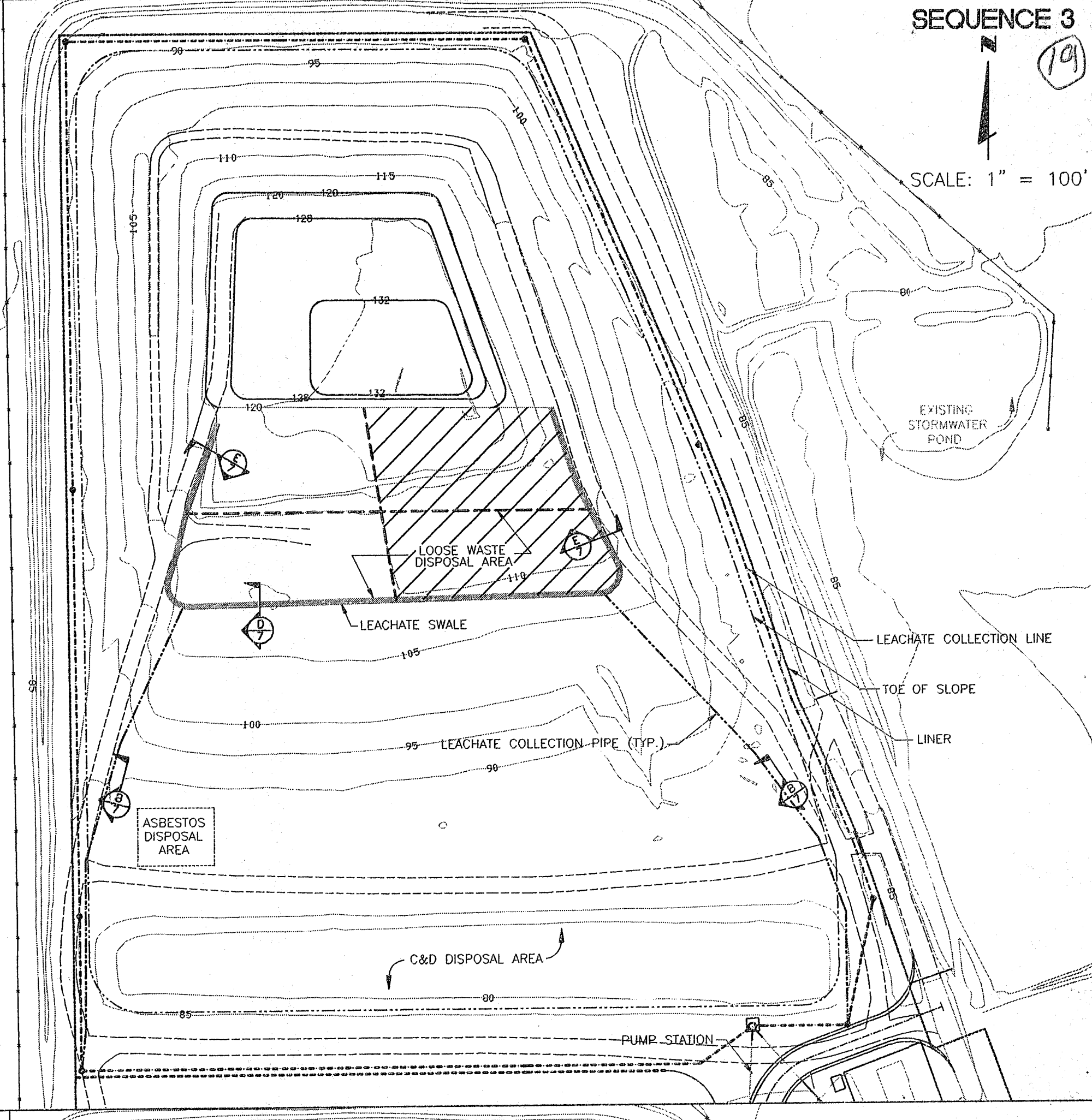
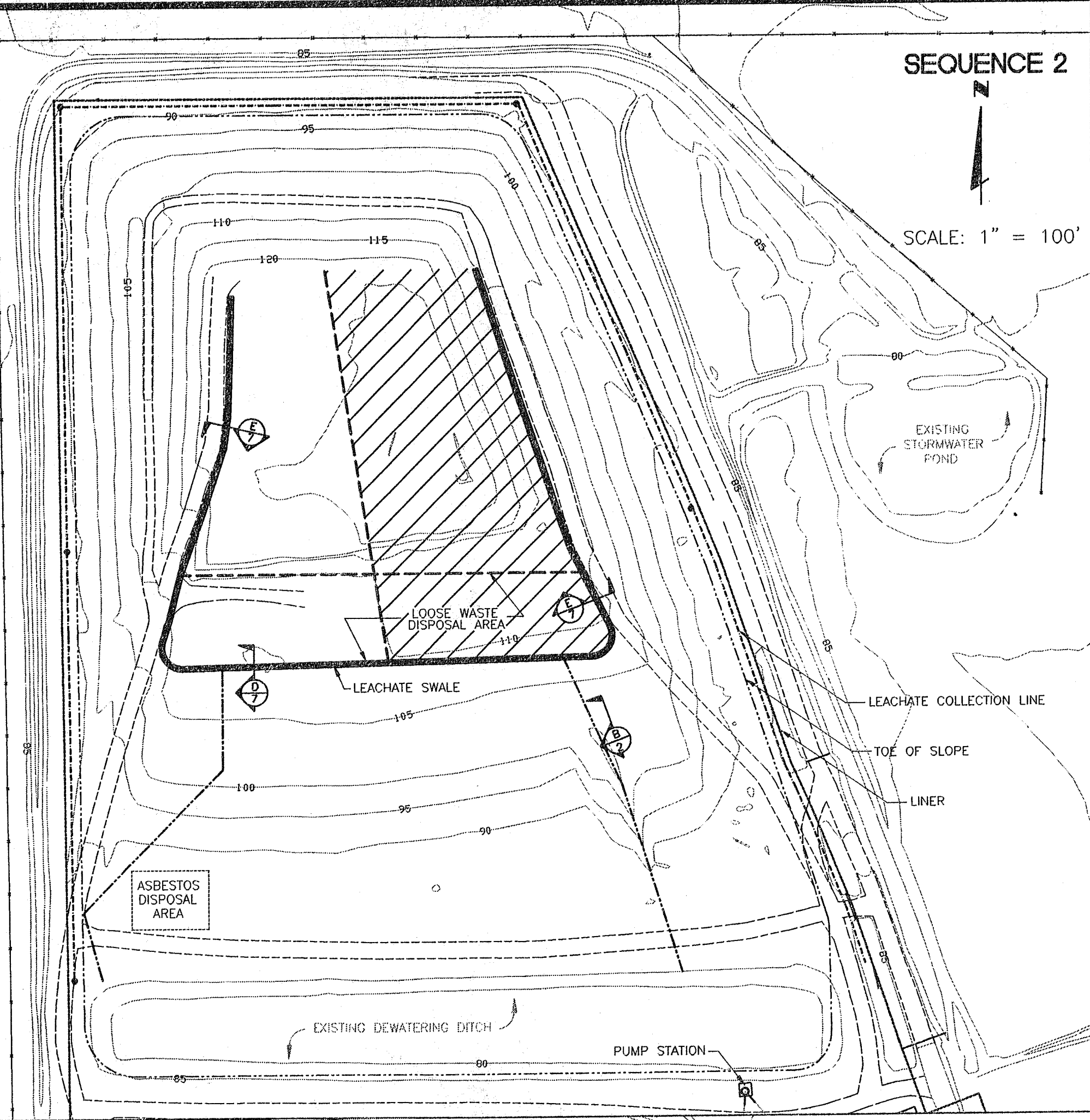
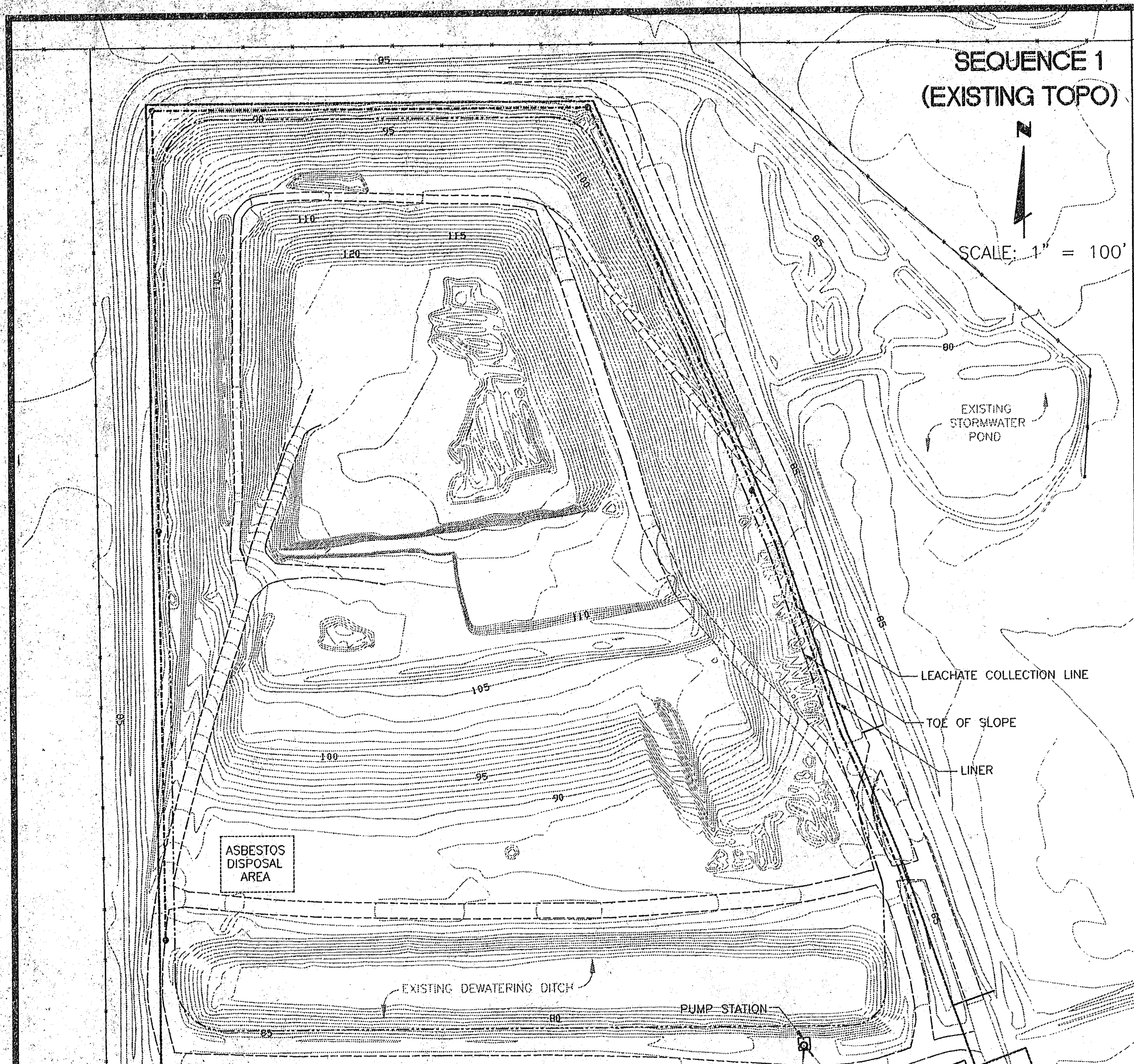


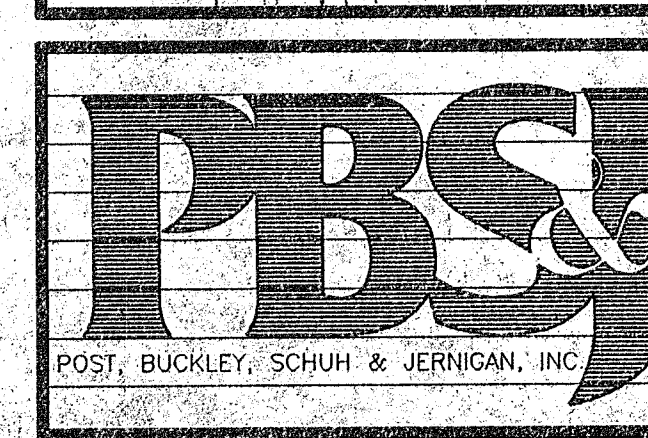
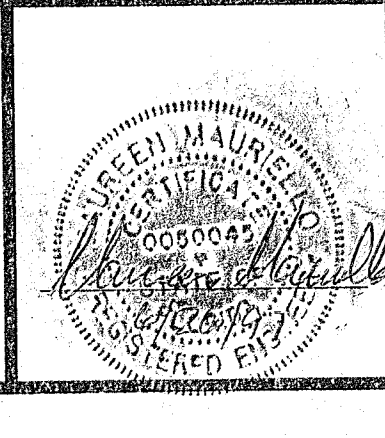
PROPOSED GAS PROBE
N.T.S.

- NOTES:**
1. LFG MONITORING WELLS TO BE DRILLED TO 5 FEET BELOW THE SURFACE OF THE GROUNDWATER TABLE.
 2. ESTIMATED DATE OF INSTALLATION IS OCTOBER 1997.

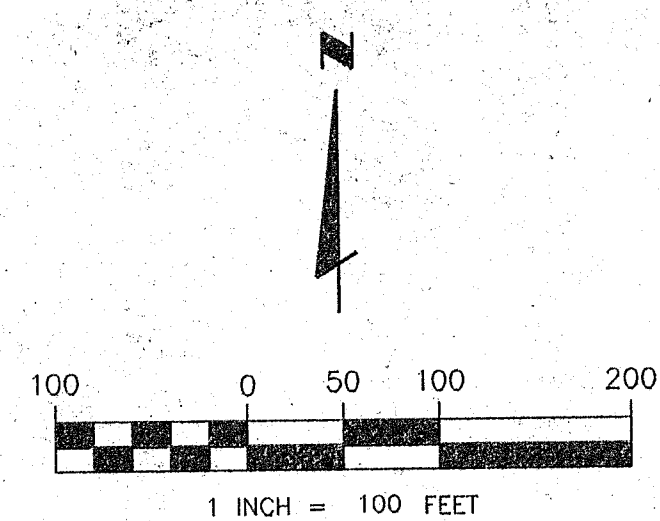
NOTE: TOPOGRAPHY FLOWN BY
I.F. ROOKS & ASSOCIATES, INC.
ON FEBRUARY 19, 1997.

	<p>CLIENT</p> <p>HARDEE COUNTY</p> <p>BOARD OF COUNTY COMMISSIONERS</p>	<p>PROJECT</p> <p>HARDEE COUNTY REGIONAL LANDFILL</p> <p>CLASS I LANDFILL</p>	<p>TASK</p> <p>GAS MANAGEMENT SYSTEM</p> <p>AND MISCELLANEOUS DETAILS</p> <p>AT CLOSURE</p>	<p>ORIGINAL JAN. 1996</p> <p>REVISIONS:</p> <p>1. R.A.I. #1 APRIL 1997</p> <p>2. R.A.I. #2 JUNE 1997</p> <p>3. R.A.I. #3 AUG. 1997</p>	<p>6</p> <p>7</p> <p>8</p> <p>9</p> <p>10</p> <p>11</p> <p>12</p>	<p>DEP</p> <p>JAN 02 1998</p> <p>SOUTHERN</p>	<p>JOB NO. 07-862.31</p> <p>DRAWN MM</p> <p>DESIGN MM</p> <p>CHECKED REM</p> <p>Q.C. SBL</p> <p>SHEET 5/5</p>
--	---	---	--	--	---	---	---



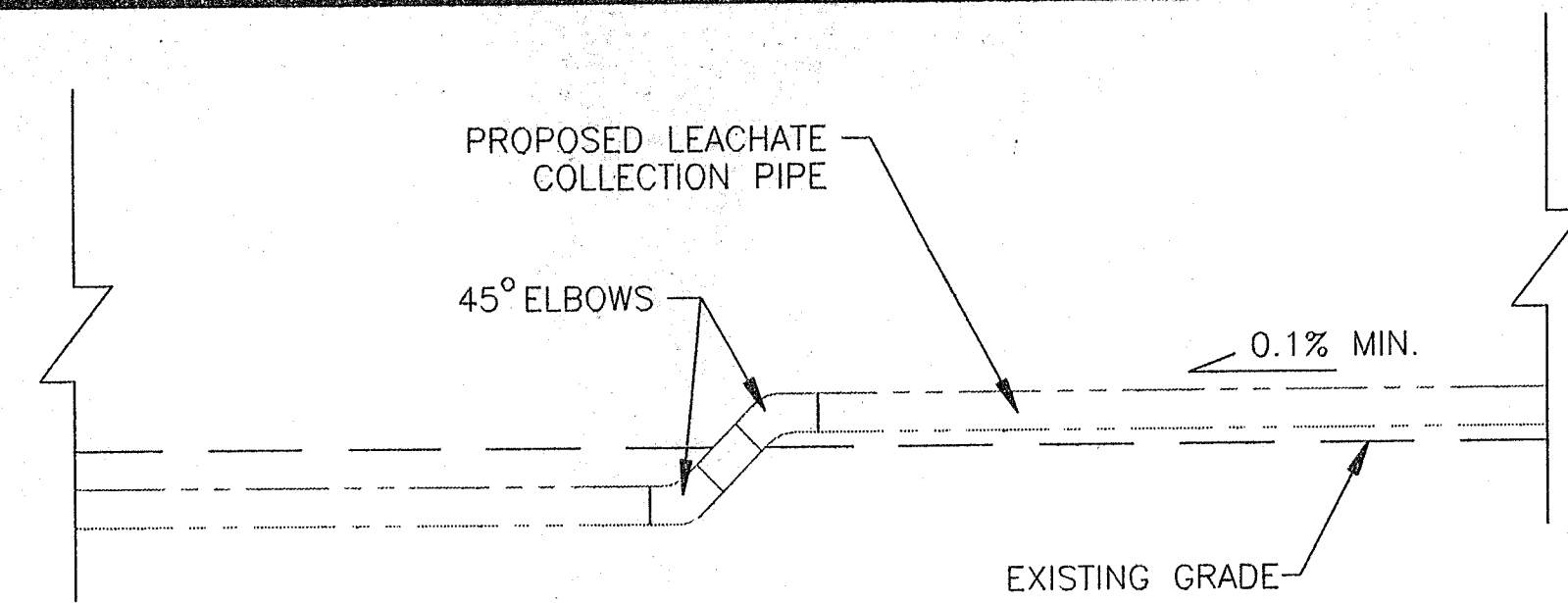
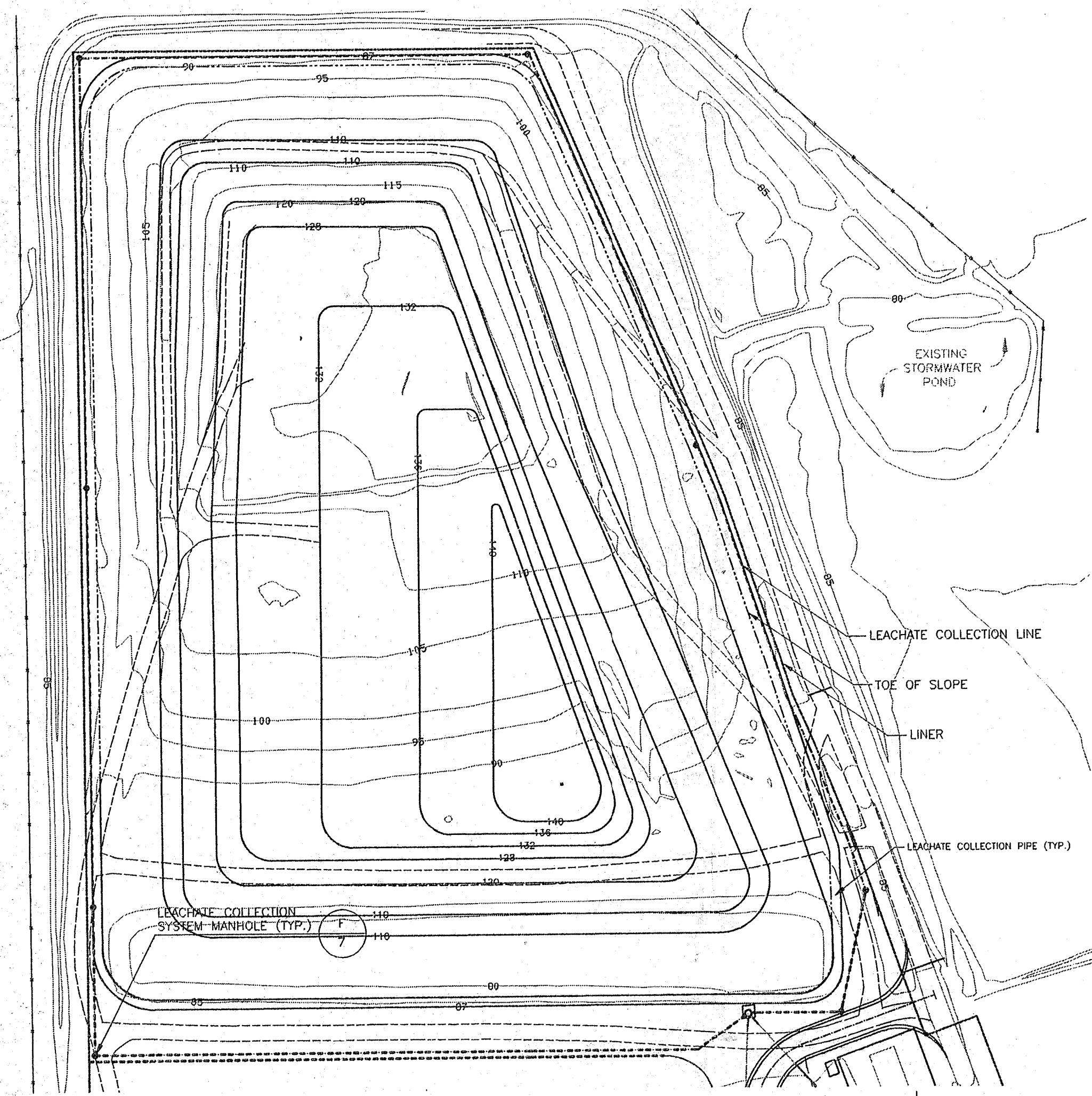
 <p>POST, BUCKLEY, SCHUH & JERNIGAN, INC.</p>	<p>CLIENT</p> <p>HARDEE COUNTY</p> <p>BOARD OF COUNTY COMMISSIONERS</p>	<p>PROJECT</p> <p>HARDEE COUNTY REGIONAL LANDFILL</p>	<p>TASK</p> <p>SEQUENCING PLAN</p> <p>SEQUENCE 1</p> <p>THROUGH</p> <p>SEQUENCE 6</p>	<p>ORIGINAL JUNE 1997</p> <p>REVISIONS:</p> <p>1 _____</p> <p>2 _____</p> <p>3 _____</p> <p>4 _____</p> <p>5 _____</p>	<p>6 _____</p> <p>7 _____</p> <p>8 _____</p> <p>9 _____</p> <p>10 _____</p> <p>11 _____</p> <p>12 _____</p>		<p>JOB NO. 07-B62</p> <p>DRAWN MM</p> <p>DESIGN MM</p> <p>CHECKED CEH</p> <p>O.C. JF</p> <p>SHEET 6</p>
--	---	--	---	--	---	---	--

A:\ENR\001\WASTE\HARDEE\PERMIT\NEWSE22A.DWG
 11/15/97
 AutoCAD 2000
 Release 13

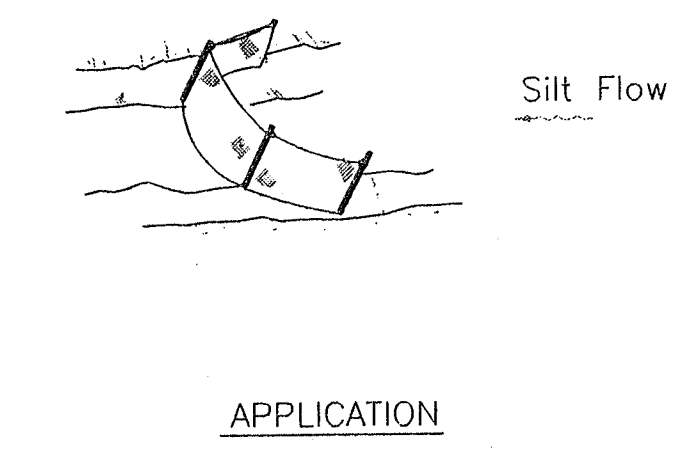
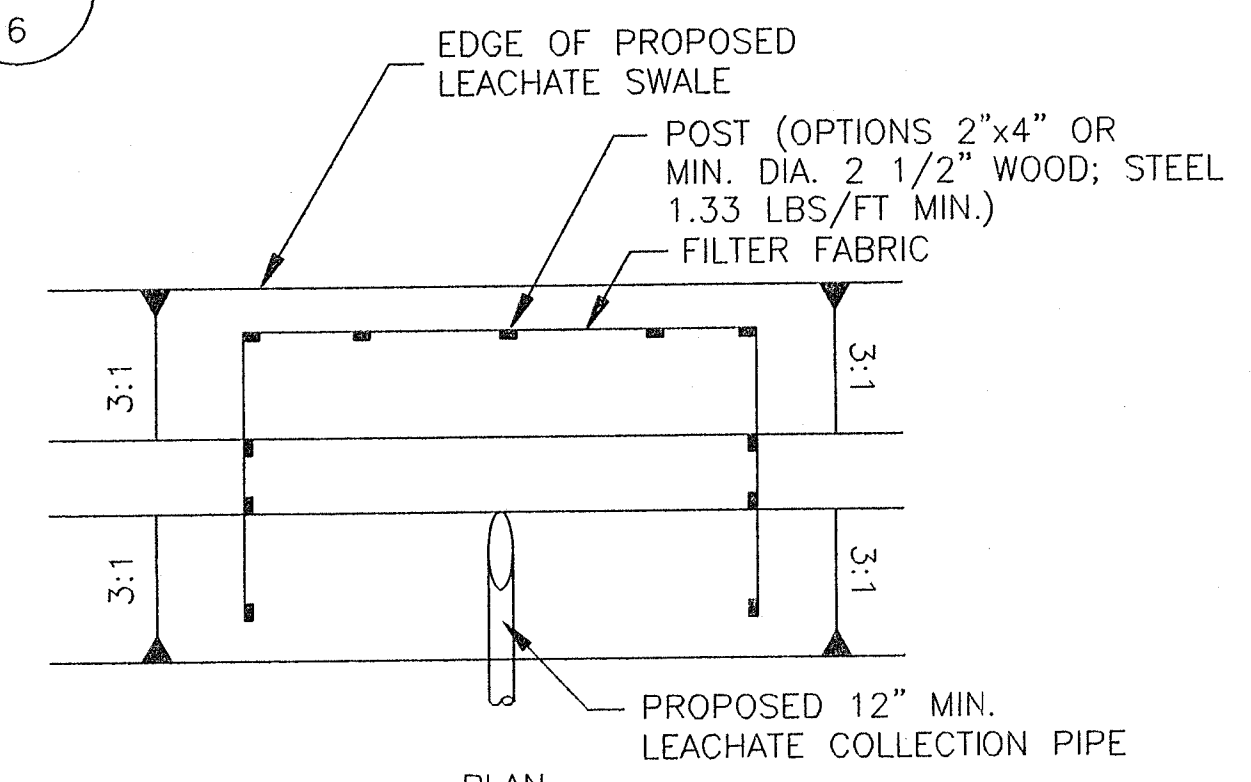
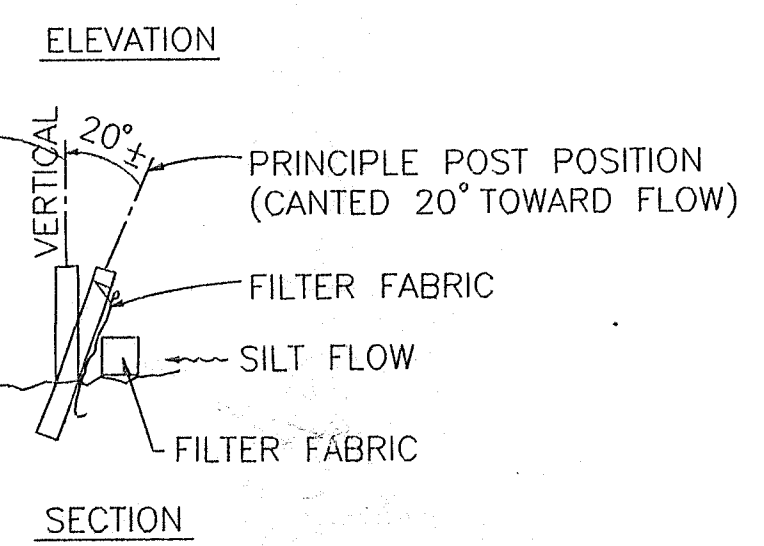
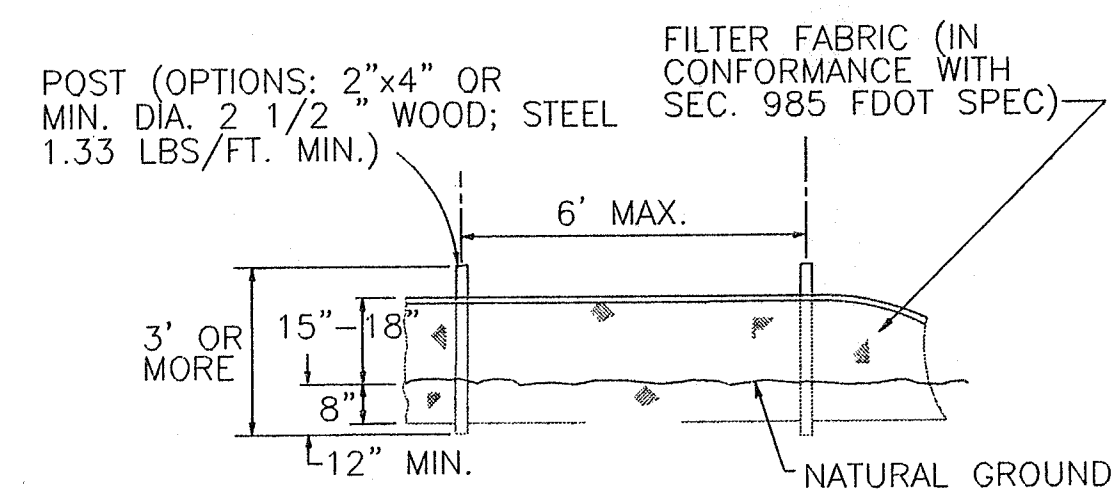


- LEGEND:**
- STORMWATER FLOW DIRECTION
 - FINAL DESIGN CONTOURS
 - PROPOSED OPERATIONAL CONTOURS
 - PROPOSED LEACHATE COLLECTION PIPES
 - EXISTING CONTOURS
 - EXISTING ACCESS ROADS
 - EXISTING FENCE

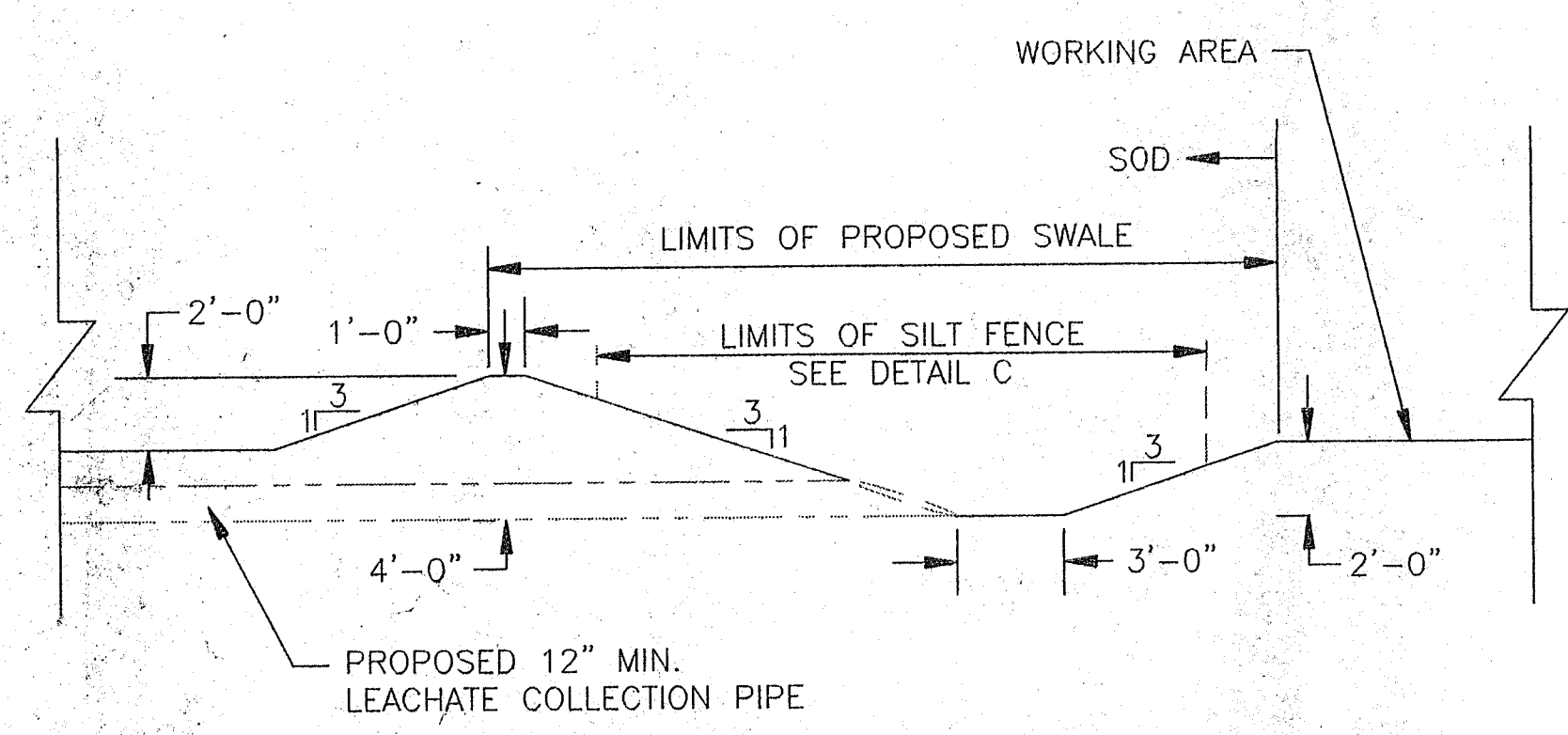
**SEQUENCE 7
(FINAL BUILDOUT)**



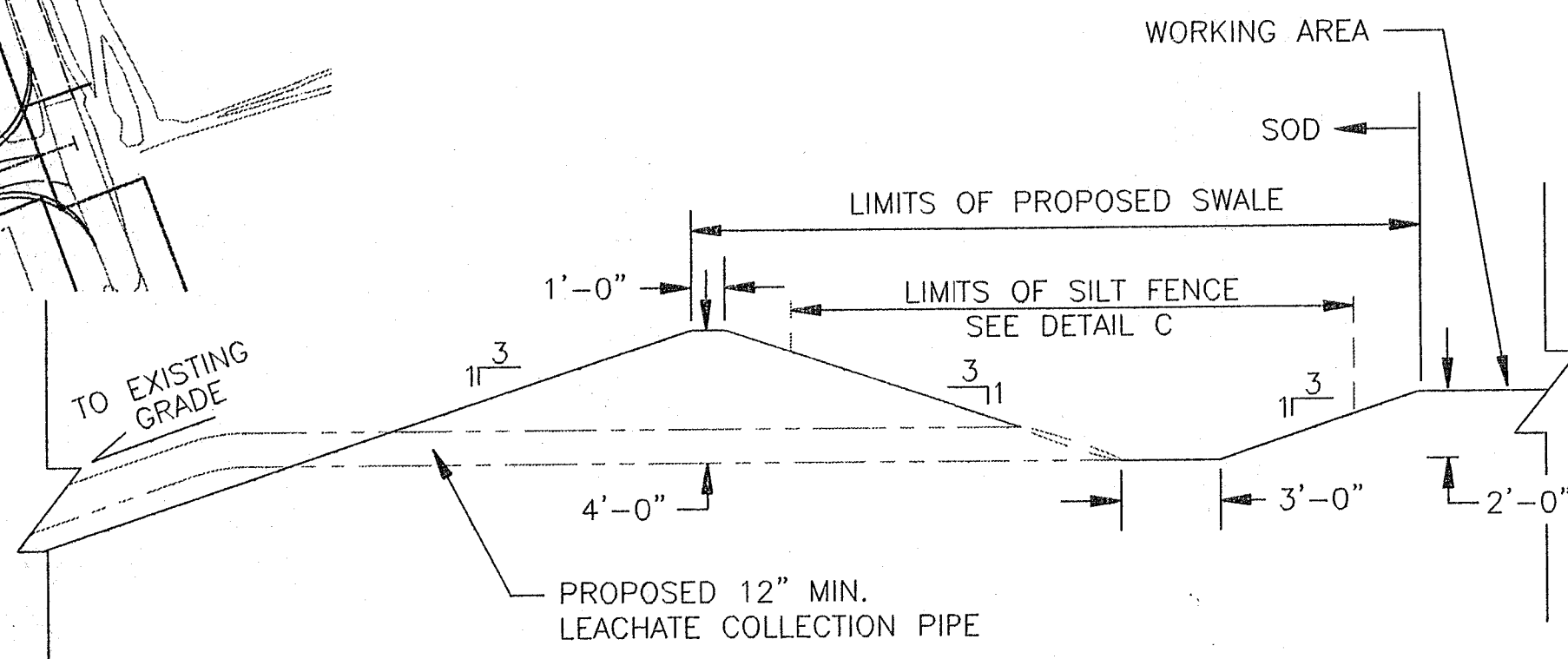
SECTION B
SCALE: 1"=5'
B
6



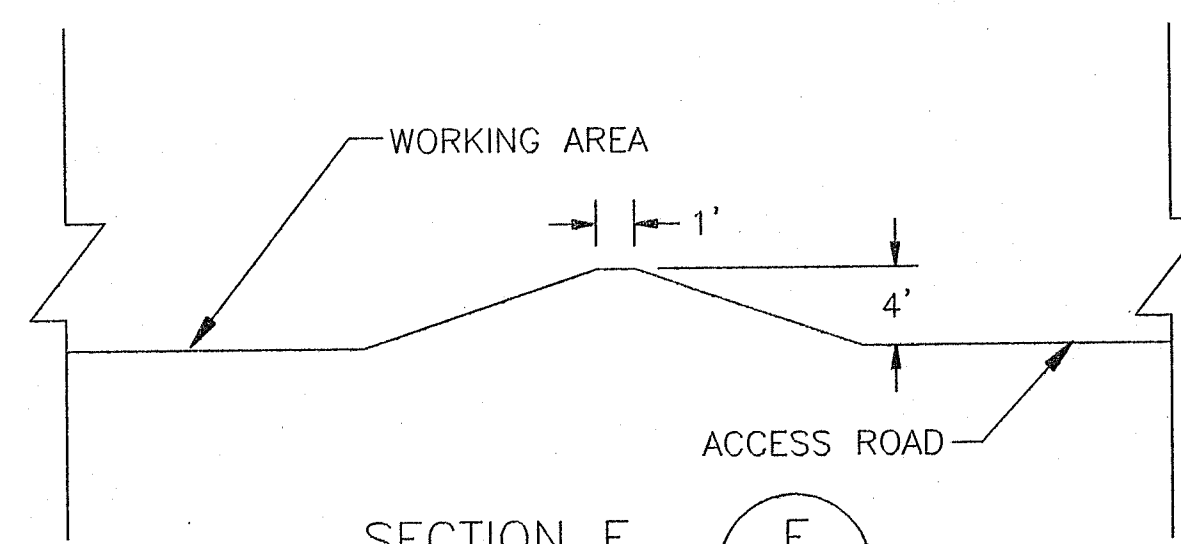
SILT FENCE
N.T.S.
C
6,7



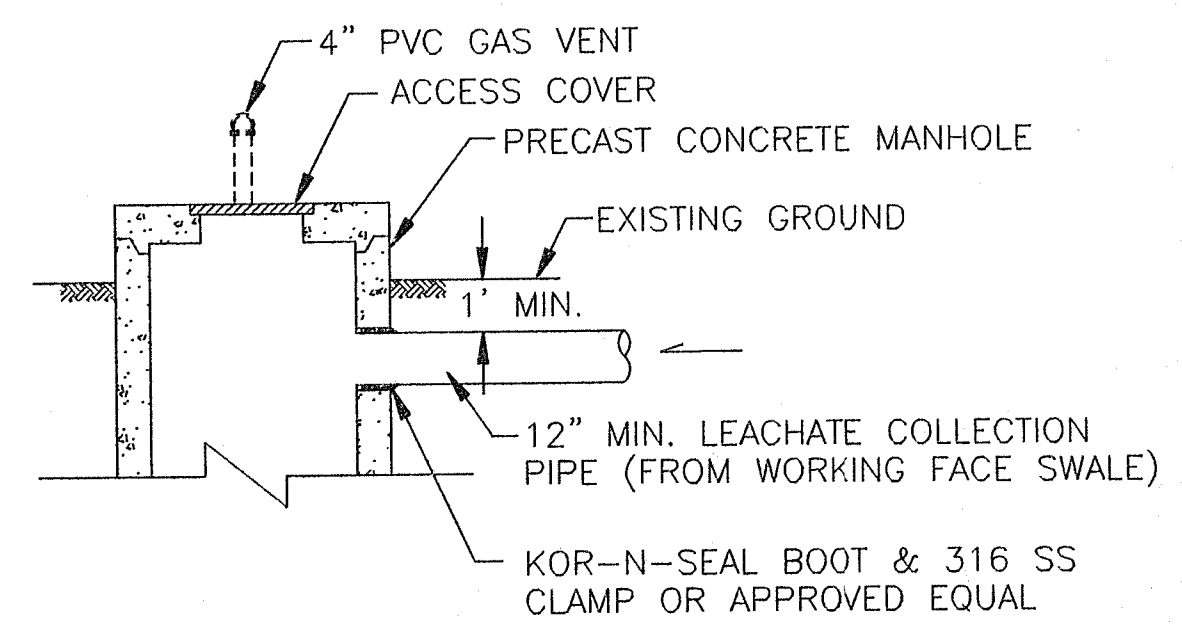
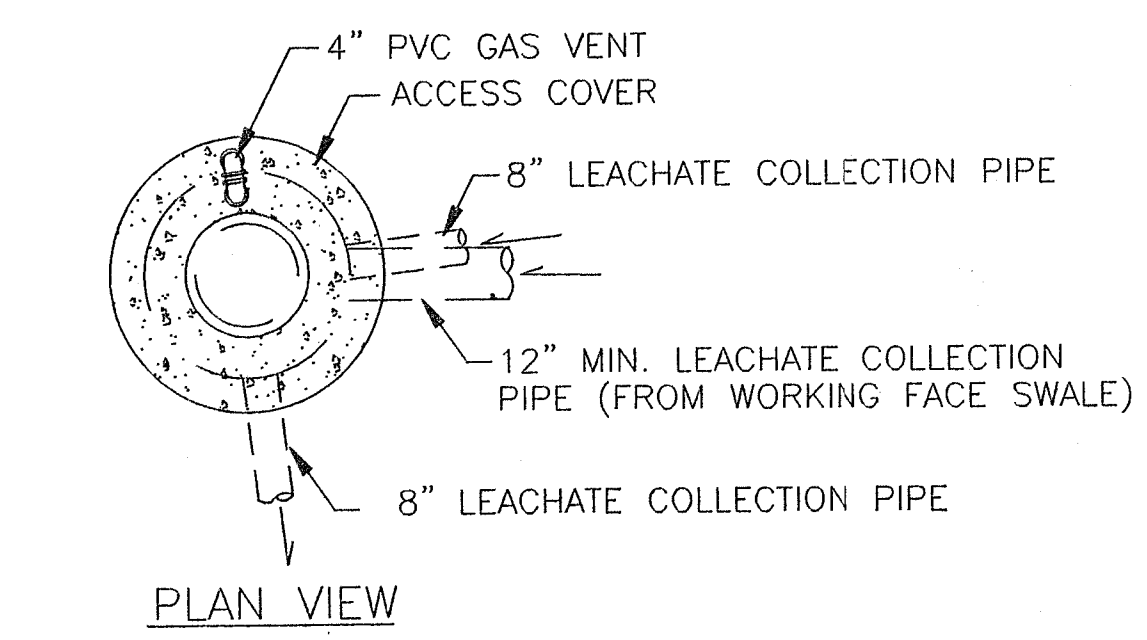
SECTION A
SCALE: 1"=5'
A
7



SECTION D
SCALE: 1" = 5'
D
6



SECTION E
SCALE: 1" = 5'
E
6



**LEACHATE COLLECTION
SYSTEM MANHOLE**
N.T.S.
F
6,7

DESCRIPTION OF STORMWATER DESIGN

SPECIAL NOTE

AS PART OF THE PROPOSED LEACHATE MANAGEMENT SYSTEM CONSTRUCTION ACTIVITIES, THE SOUTHERN PORTIONS OF THE LEACHATE COLLECTION PIPES WILL BE RELOCATED TO DIRECT LEACHATE TO THE NEW SYSTEM MANHOLES INSTEAD OF THE DEWATERING DITCH. THIS DIVERSION WILL OCCUR WHEN REVISIONS TO THE LEACHATE COLLECTION SYSTEM ARE IN OPERATION AND THE DITCH WILL BE USED FOR WASTE DISPOSAL. DURING THE CONSTRUCTION PERIOD, TEMPORARY PUMPS WILL BE USED TO REMOVE WATER FROM THE SOUTHERN DITCH TO A TANKER TRUCK FOR REMOVAL FROM THE SITE. DURING OPERATIONS, TEMPORARY PUMPS WILL BE USED TO PUMP ANY LIQUIDS IN THE DITCH INTO A LEACHATE COLLECTION SYSTEM MANHOLE.

SEQUENCE 1 - EXISTING TOPOGRAPHY

SEQUENCE 2 - CURRENT OPERATING PROCEDURE

1. CONSTRUCT BERMS ALONG WEST AND EAST SIDES OF WORKING AREA TO DIVERT RUNOFF TO THE SOUTH. CONSTRUCT SWALE ALONG THE SOUTH SIDE OF WORKING AREA TO CAPTURE THE RUNOFF. WORKING AREA MAY BE DIVIDED INTO TWO (2) OR MORE SUB-AREAS. SOUTHERN PORTION OF WORKING AREA TO BE USED FOR LOOSE WASTE DISPOSAL. SOUTHERN SWALE AND AREAS OF LANDFILL THAT HAVE RECEIVED INTERMEDIATE COVER SHALL BE FULLY SODDED FOR EROSION AND SEDIMENT CONTROL.
2. INSTALL TWO 12-INCH (MIN.) LEACHATE COLLECTION PIPES TO CONVEY THE LEACHATE COLLECTED IN THE SOUTHERN SWALE TO THE EXISTING DEWATERING DITCH. PIPE MATERIAL TO BE SELECTED BY HARDEE COUNTY. PIPE TO FIT FIELD CONDITIONS TO AVOID SURFACE PONDING OF WATER AND TO BE LAID ON TOP OF EXISTING GROUND WITH MINIMAL MOUNDED COVER, WITH TRANSITION TO UNDER EXISTING GROUND NORTH OF DEWATERING DITCH. INSTALL SILT FENCE AROUND UPSTREAM END OF PIPE IN LEACHATE SWALE FOR EROSION AND SEDIMENT CONTROL.

SEQUENCE 3

1. CONDUCT PROPOSED LEACHATE MANAGEMENT SYSTEM CONSTRUCTION ACTIVITIES. RELOCATE THE SOUTHERN PORTION OF THE WORKING AREA'S LEACHATE COLLECTION PIPES TO THE NEW SYSTEM MANHOLES INSTEAD OF THE DEWATERING DITCH.

SEQUENCE 4

1. WHEN ADDITIONAL AREA IS NEEDED IN THE BALE FILL PORTION OF THE WORKING AREA, RELOCATE THE SOUTHERN LEACHATE SWALE FURTHER SOUTH AND EXTEND THE WEST AND EAST SIDE BERMS TO MEET THE SWALE. SOD THE NEW SWALE FOR EROSION AND SEDIMENT CONTROL. APPLY INTERMEDIATE COVER TO EXTERIOR SLOPES WHICH HAVE REACHED FINAL ELEVATIONS, GRADING THESE AREAS TO ROUTE RAINFALL TO THE EXISTING STORMWATER MANAGEMENT SYSTEM. SOD FOR EROSION AND SEDIMENT CONTROL. SOUTHERN PORTION OF NEW WORKING AREA TO BE USED FOR LOOSE WASTE DISPOSAL.
2. REMOVE SECTION OF EXISTING LEACHATE COLLECTION PIPE BETWEEN OLD AND NEW LEACHATE SWALES. ADJUST UPSTREAM END OF LEACHATE COLLECTION PIPES TO PROVIDE COLLECTION AT LOW POINTS OF SWALE. INSTALL SILT FENCE AROUND UPSTREAM END OF PIPE FOR EROSION AND SEDIMENT CONTROL.

SEQUENCE 5

1. SAME AS SEQUENCE 4.

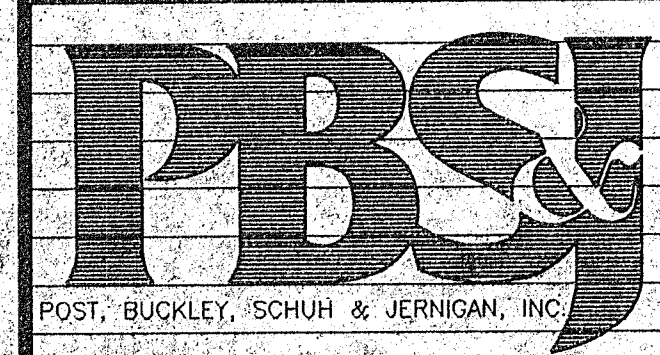
SEQUENCE 6

1. SAME AS SEQUENCE 5.

SEQUENCE 7 - FINAL BUILDOUT

1. WHEN LANDFILL FILLED TO FINAL DESIGN ELEVATIONS, REMOVE WORKING AREA SWALE, BERMS AND CORRESPONDING LEACHATE COLLECTION PIPES. SEAL STUB OUT CONNECTION TO SYSTEM MANHOLES. BEGIN FINAL CLOSURE ACTIVITIES.

1. ENVIRONMENTAL ENGINEERING, INC. 10000 W. WASHINGTON AVE. SUITE 100 TAMPA, FL 33607-1452



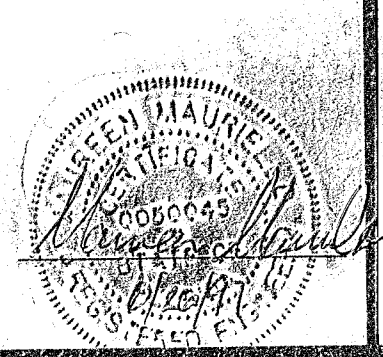
CLIENT
**HARDEE COUNTY
BOARD OF COUNTY COMMISSIONERS**

PROJECT
HARDEE COUNTY REGIONAL LANDFILL

TASK
**SEQUENCING PLAN
SEQUENCE 7
AND
DETAILS**

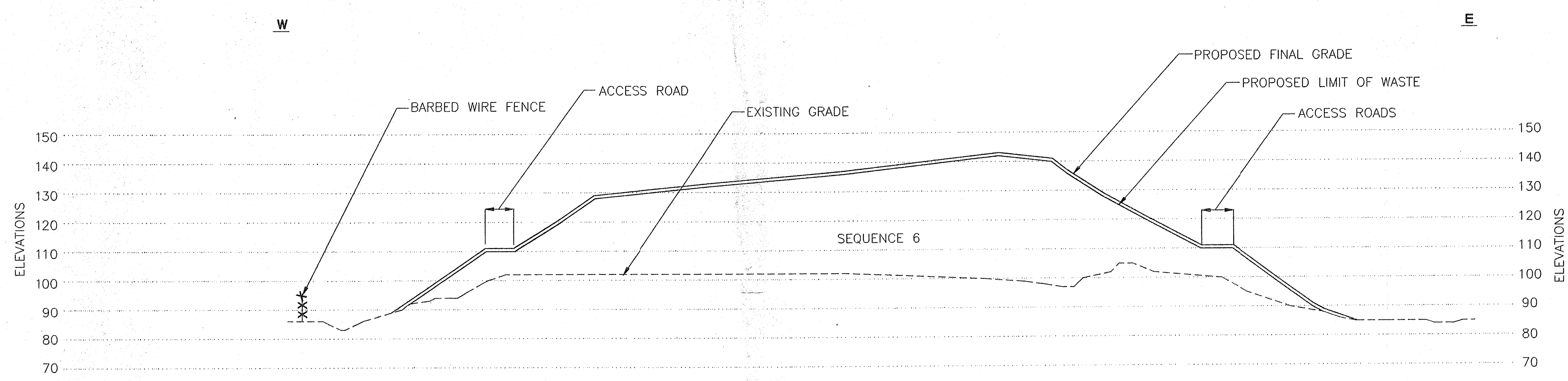
ORIGINAL **JUNE 1997**
REVISIONS:
1 _____
2 _____
3 _____
4 _____
5 _____

6 _____
7 _____
8 _____
9 _____
10 _____
11 _____
12 _____

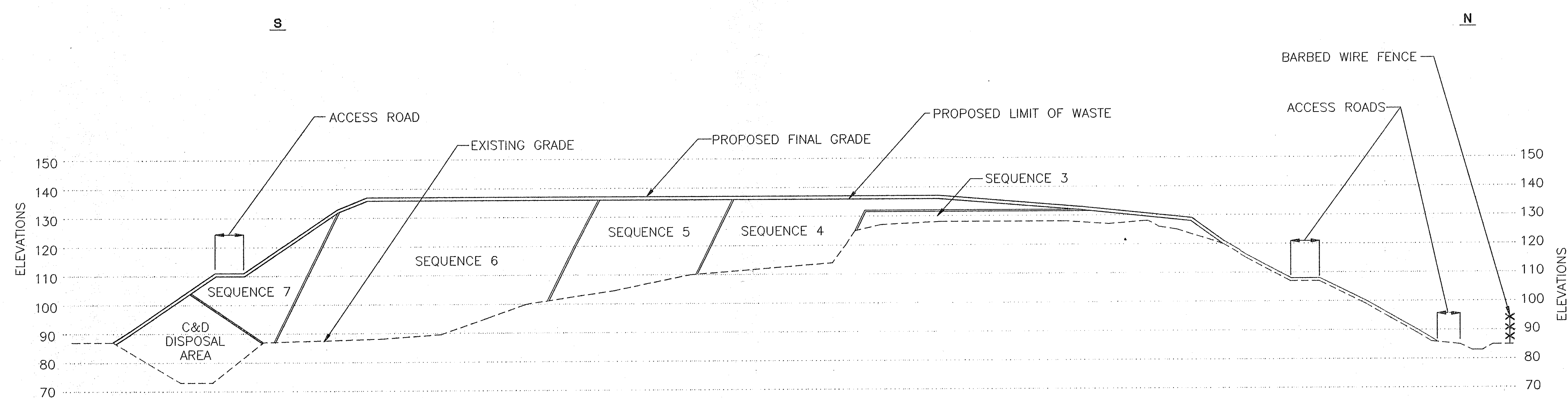


JOB NO. **07-862.35**
DRAWN **MM**
DESIGN **MM**
CHECKED **CEH**
Q.C. **JF**
SHEET 7

D.E.P.
JUN 27 1997
TAMPA



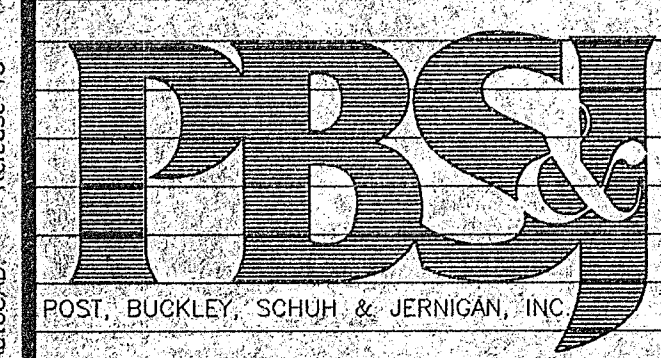
EAST-WEST CROSS SECTION A
5
SCALE: HORIZONTAL 1"=50'
VERTICAL 1"=25"



NORTH-SOUTH CROSS SECTION B
5
SCALE: HORIZONTAL 1"=50'
VERTICAL 1"=25"

D.E.P.
JUN 27 1997

\\ENV\CD\WASTMAN\HARDEE\PERMIT\VIEW\DWG
HW 05/08/97 10:59:37
AutoCAD Release 13



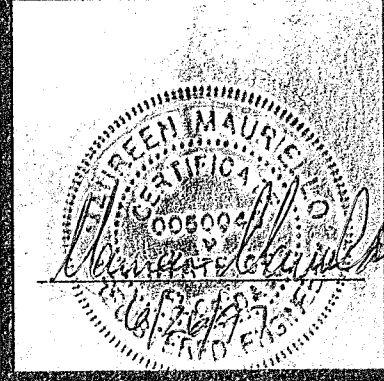
CLIENT HARDEE COUNTY
BOARD OF COUNTY COMMISSIONERS

PROJECT HARDEE COUNTY REGIONAL LANDFILL

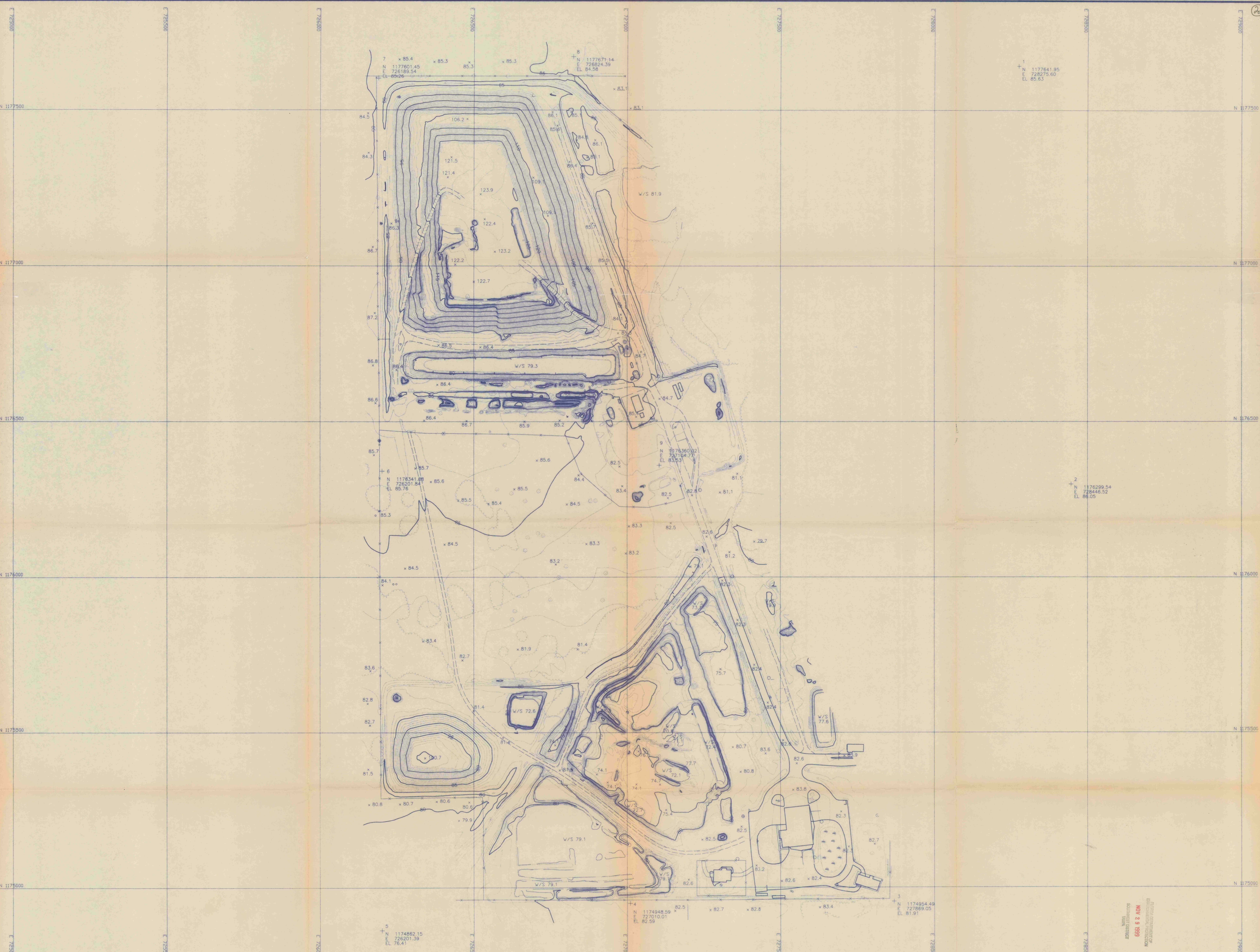
TASK CROSS SECTIONS

ORIGINAL MAY 1997
REVISIONS:
1 _____
2 _____
3 _____
4 _____
5 _____

6 _____
7 _____
8 _____
9 _____
10 _____
11 _____
12 _____



JOB NO. 07-862.35
DRAWN MM
DESIGN MM
CHECKED REM
Q.C. CEH
SHEET 8



PAVED ROAD
CURB-OUTTER
DIRT ROAD
TRAIL
DRIVEWAYS
PARK-LOTS
SIDEWALKS
RUNWAYS
RR SINGLE
RR DOUBLE
VALLS
DRAINAGE

GUARDRAIL
RETAINING WALL
FENCES
PIPELINES
LAKE
RIVER
STREAM
TREE LINE
BRUSH LINE
HEDGE
GROVE

INDEX CONTOUR
OBSCURED INDEX
DEPRESSED INDEX
OBSCURED DEP INDEX
INTERMEDIATE CONTOUR
OBSCURED INTERMEDIATE
DEPRESSED INTERMEDIATE
OBSCURED DEP INTERMEDIATE
STRUCTURES

BUILDINGS
OUTLINE

SPOT HEIGHT
OBSCURED SPOT HEIGHT
CONTROL POINT

WATER SURFACE ELEV.
SWAMP
EDGE OF PAVEMENT
BUMPER
RAILROAD SIGNAL
RAILROAD SWITCH
RAILROAD CROSSING GATE

STREET LIGHT
TRAFFIC LIGHT
TOWER
UTILITY POLES
VALVE
FIRE HYDRANT
ELECTRICAL BOX
CATCH BASIN
DROP INLET
MANHOLE
MAILBOX
MISC. POST

SIGN
DOUBLE LEGGED SIGN
TELEPHONE BOOTH
ANTENNA
SATELLITE DISH
FLAG POLE
SHRUB
DROP INLET
PINE TREE
EVERGREEN TREE

1. THE UNDERSIGNED REGISTERED SURVEYOR & MAPPER CERTIFY THAT THIS MAP WAS COMPILED USING PHOTOGRAMMETRIC METHODS UNDER MY SUPERVISION AND THAT THE DATA SHOWN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

THIS SURVEY MEETS THE MINIMUM STANDARDS, FLORIDA CHAPTER 81G17-DIVISION OF PROFESSIONAL SURVEYING.

DATE OF PHOTOGRAPHY: 10-23-99

THIS MAP IS WITHIN FULL COMPLIANCE WITH THE "SURVEY AND MAP REPORT" AND "MAPMAKING" REFERENCED IN SAID REPORT. UNLESS THIS MAP SURVEYOR BEARS THE SIGNATURE AND ORIGINAL RAISED SEAL, THIS MAP IS NOT A LICENSED SURVEYOR AND MAPPER. IT IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.

NOV 2 1999
SCOTT'S DISTRICT

FILE: 6662DLDWG
CONT. INTERVAL: 1'
CHK. BY: K.M.G.
DATUM: FLORIDA STATE PLANE, WEST ZONE, NGVD 1929

SCS ENGINEERS
HARDEE COUNTY LANDFILL
SHEET 1 OF 1