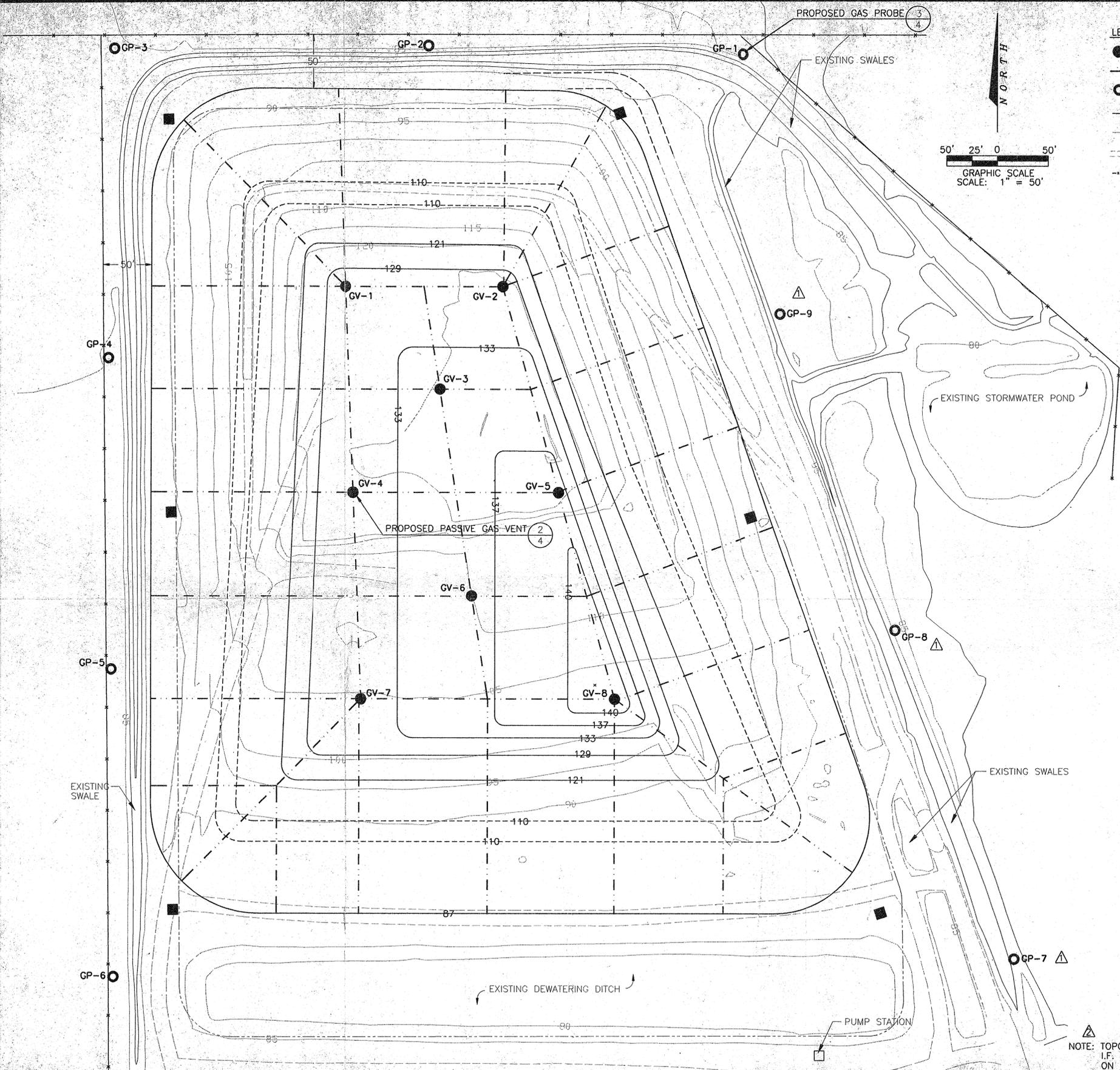
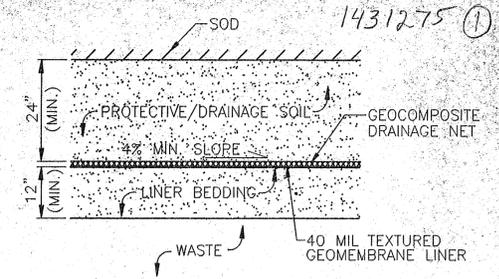


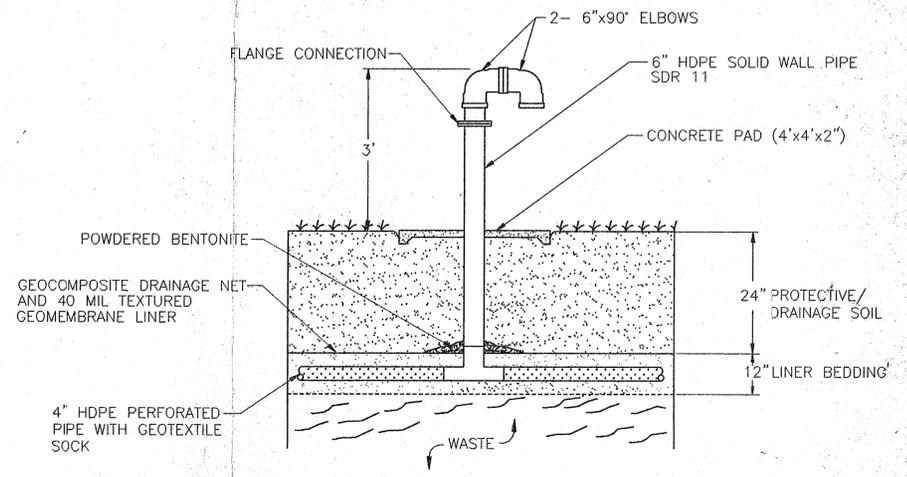
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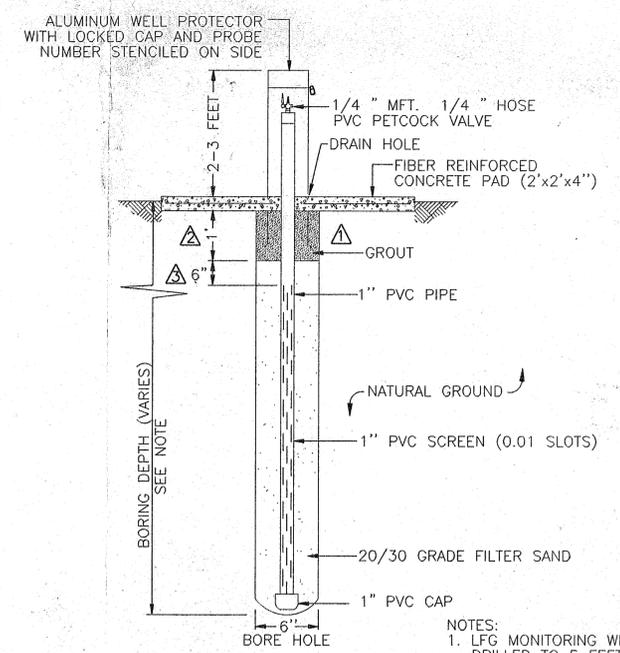
- LEGEND:**
- GV-1 PROPOSED PASSIVE GAS VENT
  - PROPOSED HORIZONTAL GAS PIPELINE
  - GP-1 PROPOSED GAS PROBE
  - FINAL DESIGN CONTOURS
  - EXISTING CONTOURS
  - - - EXISTING ACCESS ROADS
  - EXISTING FENCE
  - EXISTING PASSIVE GAS VENT



PROPOSED CLOSURE LINER SYSTEM (1/4)  
N.T.S.



PROPOSED PASSIVE GAS VENT (2/4)  
N.T.S.



PROPOSED GAS PROBE (3/4)  
N.T.S.

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.

AN/CADD/WASTEMAN/HARDEE PERMIT/VARGAS/DWG  
 AutoCAD Release 12



CLIENT  
**HARDEE COUNTY**  
 BOARD OF COUNTY COMMISSIONERS

PROJECT  
**HARDEE COUNTY REGIONAL LANDFILL**  
 CLASS I LANDFILL

TASK  
**GAS MANAGEMENT SYSTEM**  
**AND MISCELLANEOUS DETAILS**  
**AT CLOSURE**

ORIGINAL JAN. 1996  
 REVISIONS:  
 1. R.A.I. #1 APRIL 1997  
 2. R.A.I. #2 JUNE 1997  
 3. R.A.I. #3 AUG. 1997

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12



JOB NO. 07-862-315  
 DRAWN MM  
 DESIGN MM  
 CHECKED REM  
 O.C. SBL  
 SHEET 5/5

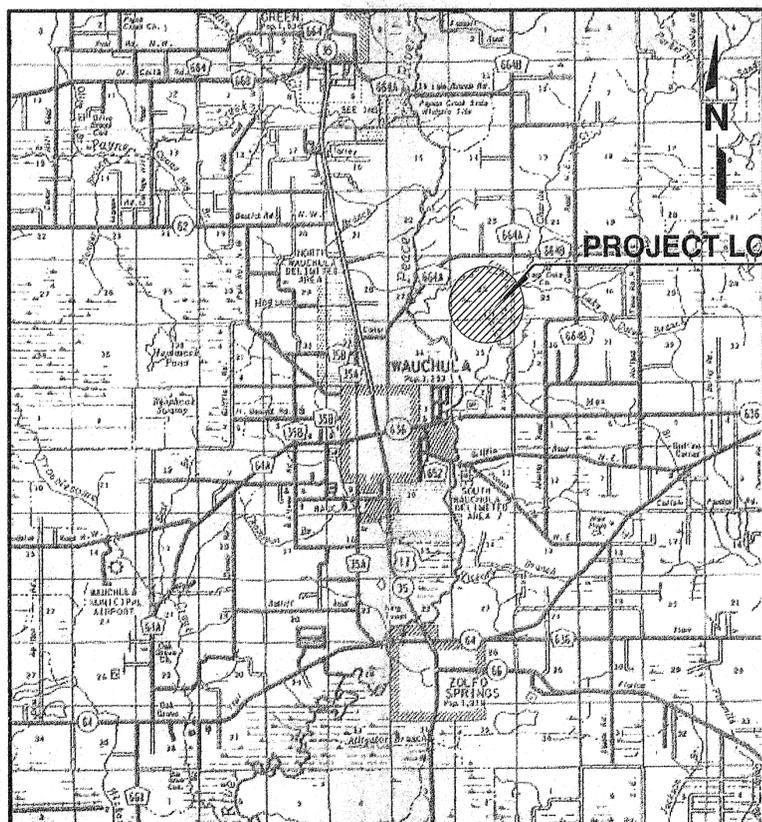
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revised 5/01

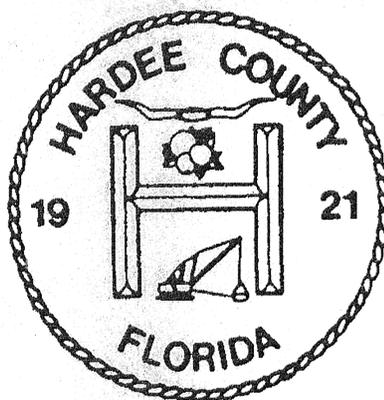
# HARDEE COUNTY LANDFILL MINOR OPERATIONAL FILL SEQUENCE REVISIONS

PREPARED FOR  
BOARD OF COUNTY COMMISSIONERS  
HARDEE COUNTY, FLORIDA

FEBRUARY, 2000



LOCATION MAP  
NOT TO SCALE



## DRAWING INDEX

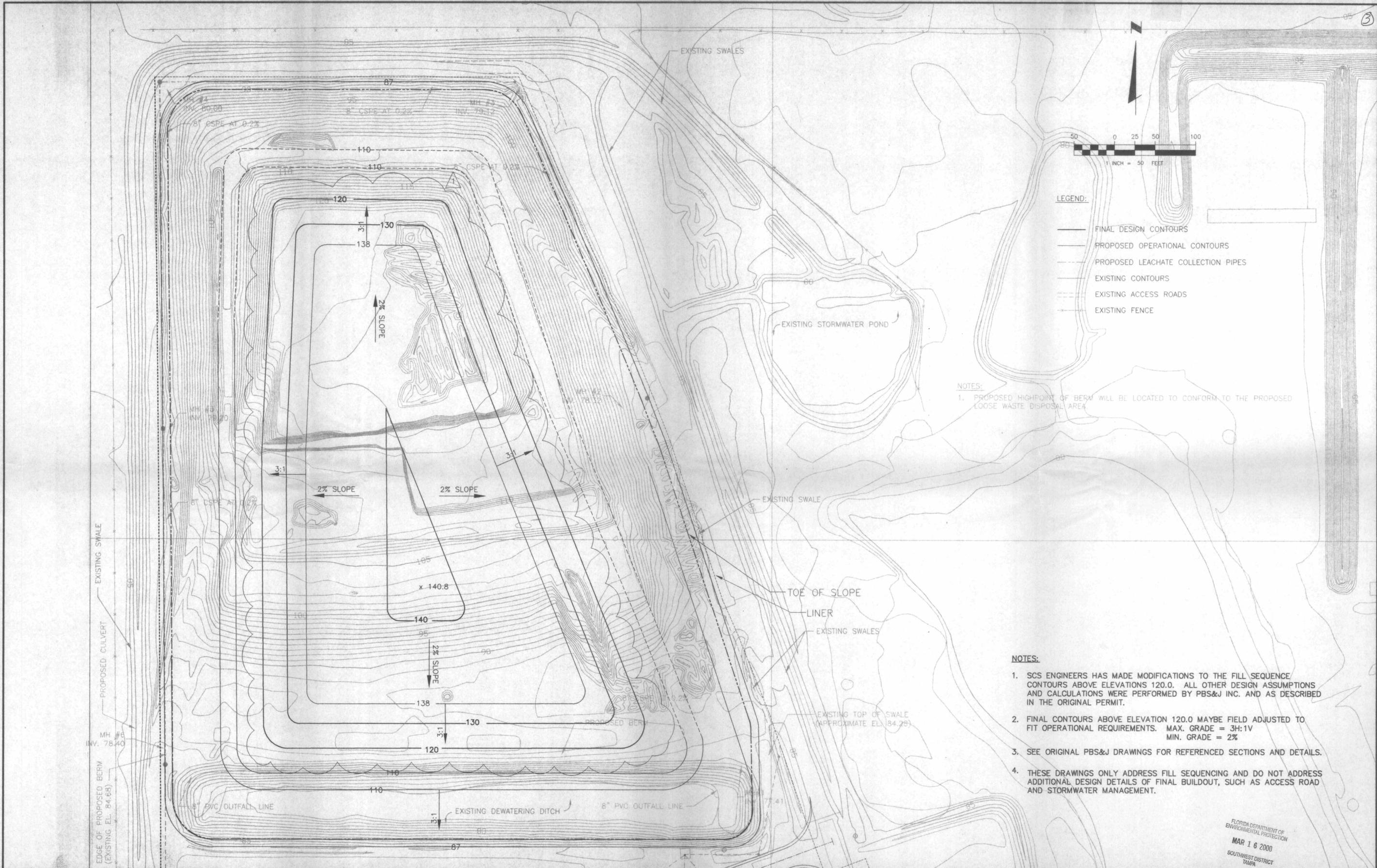
DRAWING NO.	DRAWING TITLE
1	- COVER SHEET
2	- FINAL BUILDOUT
3	- SEQUENCING PLAN - SEQUENCE 1 THROUGH 6
4	- SEQUENCING PLAN - SEQUENCE 7 AND DETAILS

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

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
MAR 16 2000  
SOUTHWEST DISTRICT  
TAMPA



FILE



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

**NOTES:**

1. PROPOSED HIGHPOINT OF BERM WILL BE LOCATED TO CONFORM TO THE PROPOSED LOOSE WASTE DISPOSAL AREA.

- NOTES:**
1. SCS ENGINEERS HAS MADE MODIFICATIONS TO THE FILL SEQUENCE CONTOURS ABOVE ELEVATIONS 120.0. ALL OTHER DESIGN ASSUMPTIONS AND CALCULATIONS WERE PERFORMED BY PBS&J INC. AND AS DESCRIBED IN THE ORIGINAL PERMIT.
  2. FINAL CONTOURS ABOVE ELEVATION 120.0 MAYBE FIELD ADJUSTED TO FIT OPERATIONAL REQUIREMENTS. MAX. GRADE = 3H:1V  
MIN. GRADE = 2%
  3. SEE ORIGINAL PBS&J DRAWINGS FOR REFERENCED SECTIONS AND DETAILS.
  4. THESE DRAWINGS ONLY ADDRESS FILL SEQUENCING AND DO NOT ADDRESS ADDITIONAL DESIGN DETAILS OF FINAL BUILDOUT, SUCH AS ACCESS ROAD AND STORMWATER MANAGEMENT.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 MAR 16 2000  
 SOUTHWEST DISTRICT TAMPA

REV.	DATE	DESCRIPTION	CK. BY
▲	2/00	REVISED CONTOURS	
▲			
▲			
▲			

SHEET TITLE  
**FINAL BUILDOUT**

PROJECT TITLE  
**MINOR OPERATIONAL FILL SEQUENCE REVISIONS**

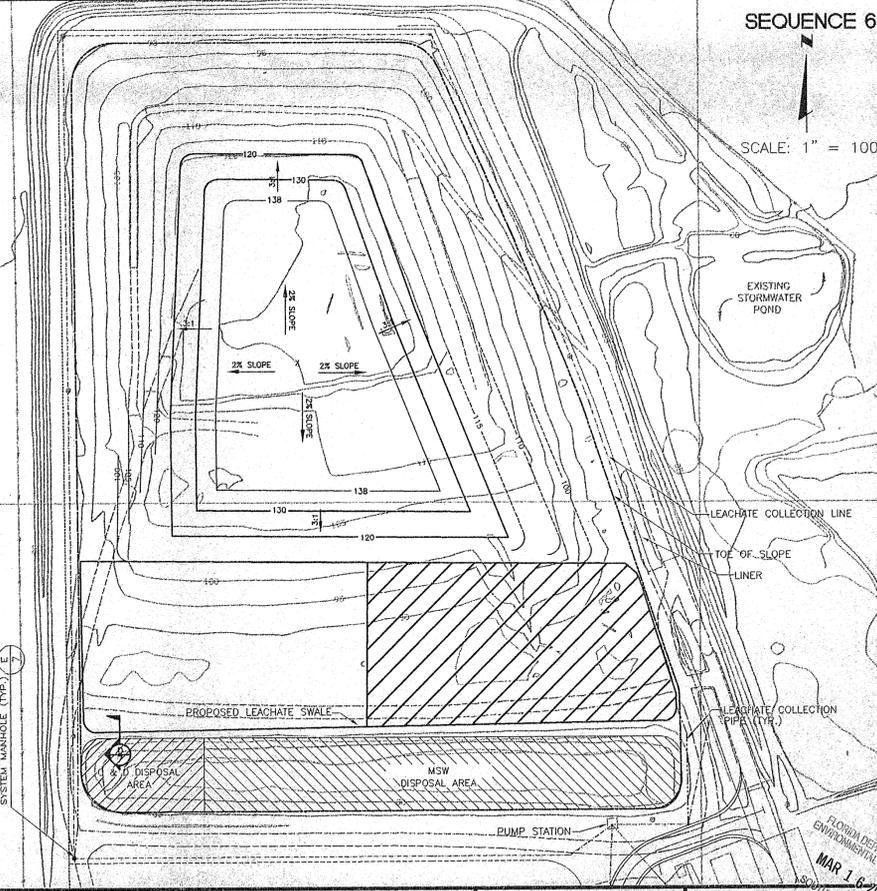
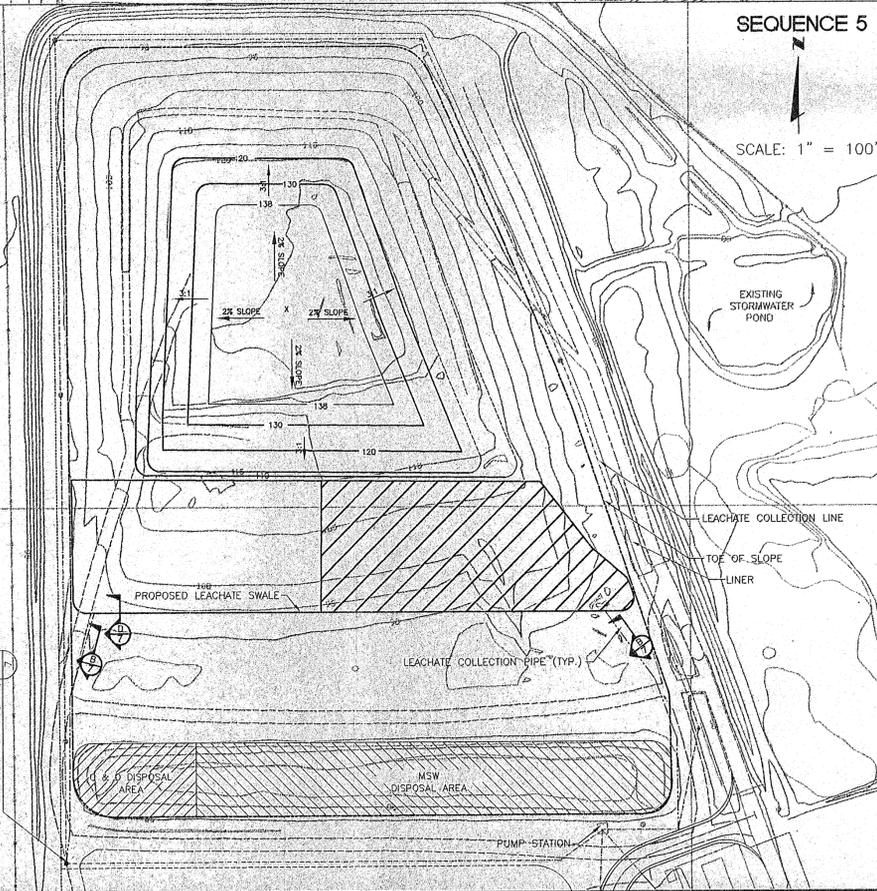
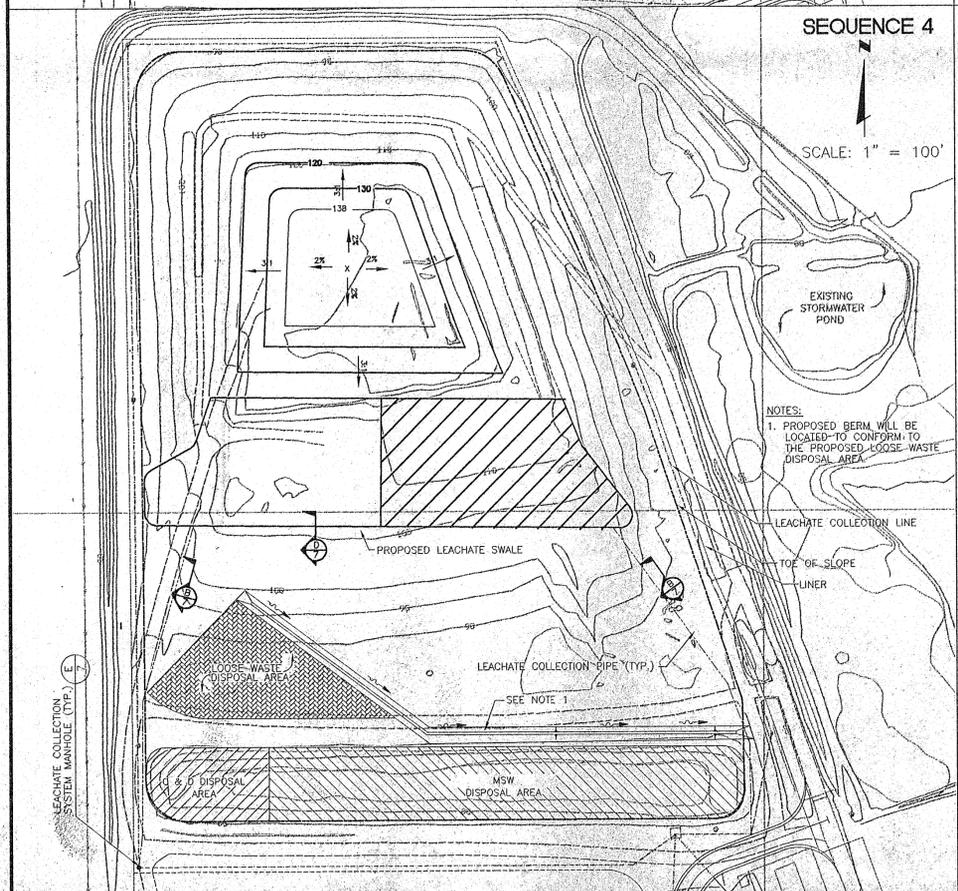
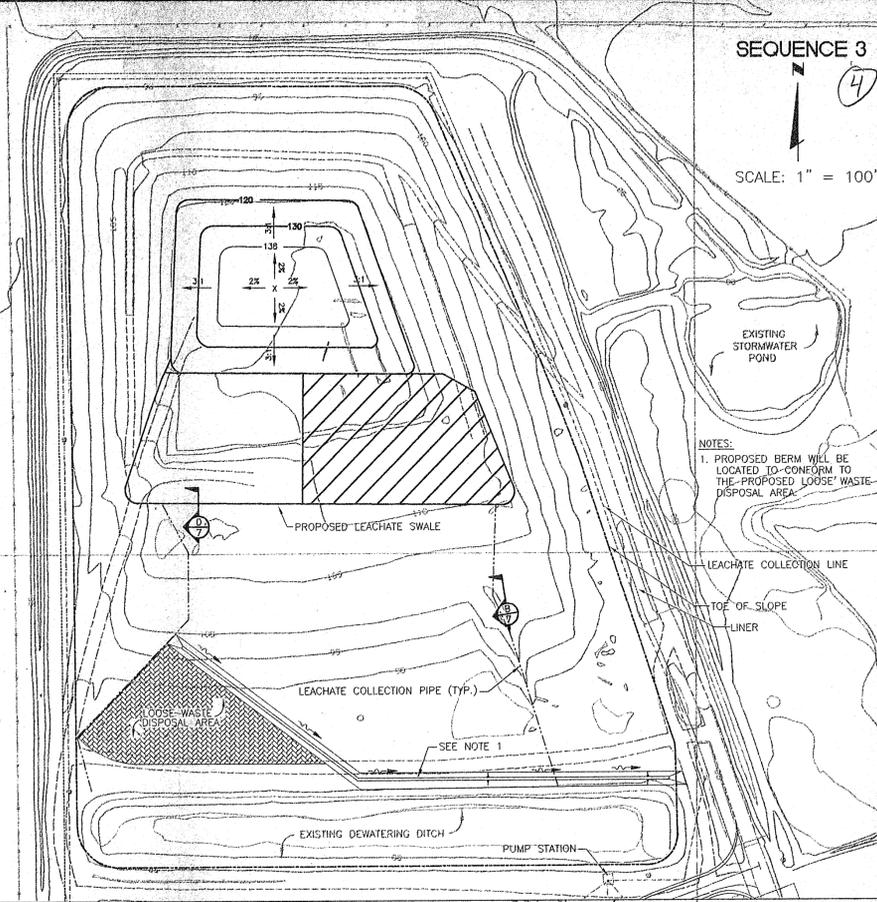
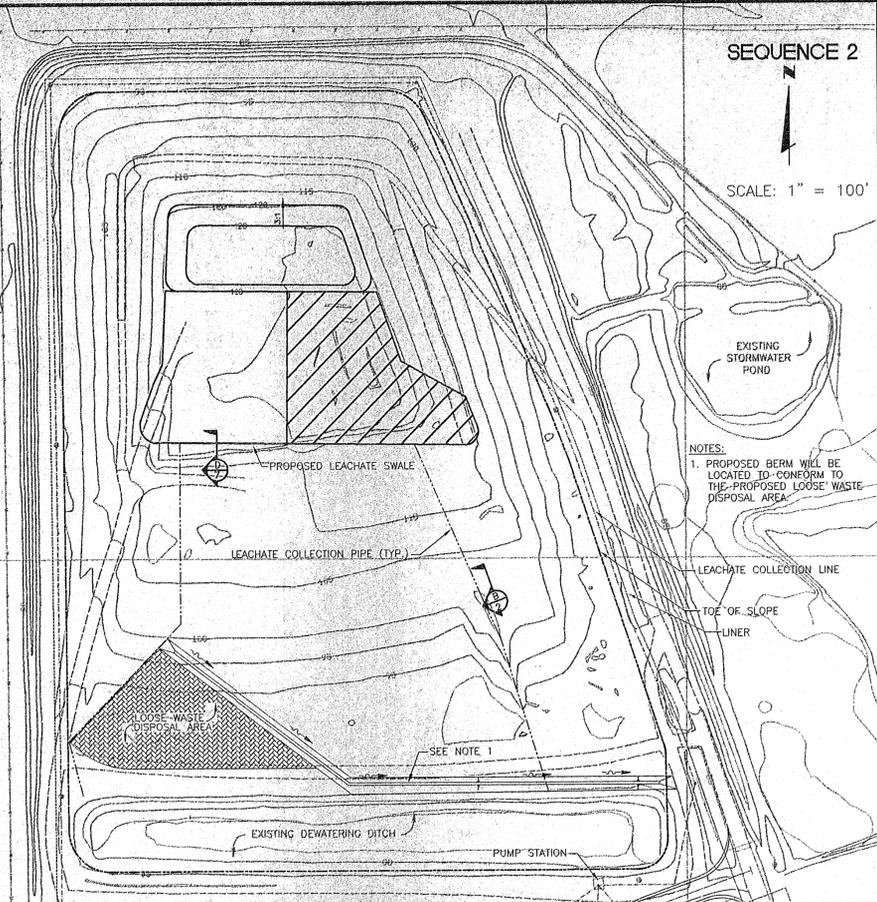
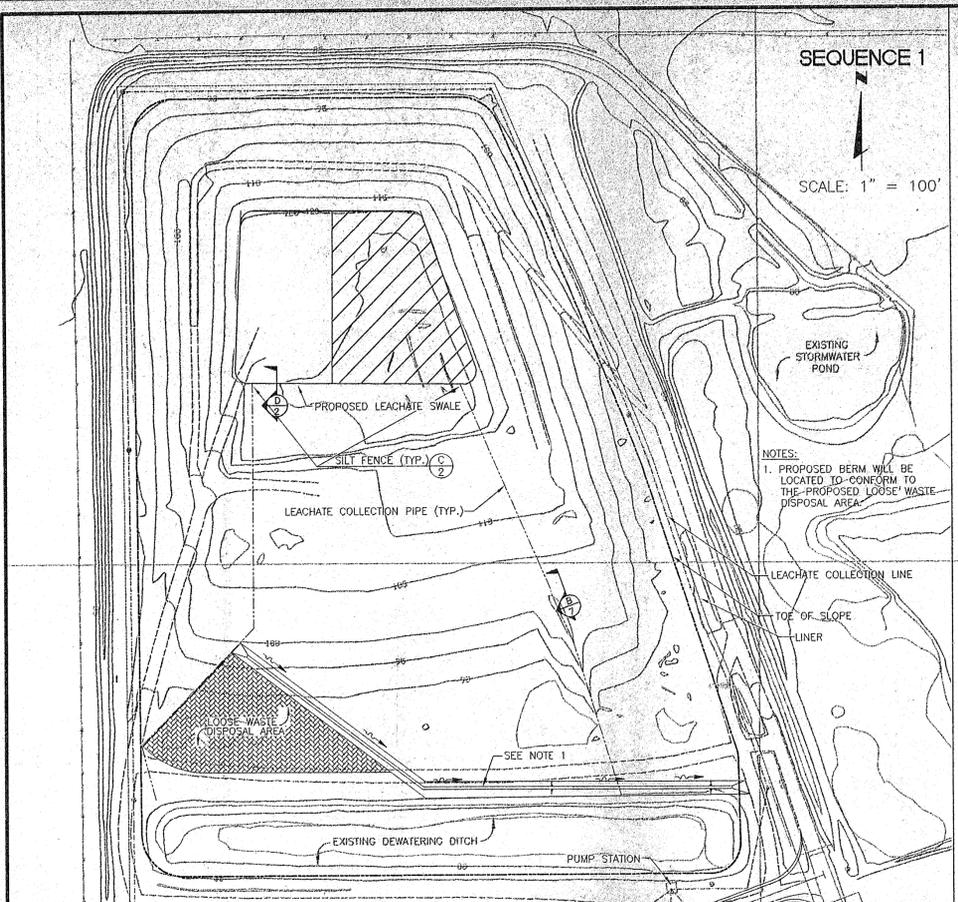
CLIENT  
**HARDEE COUNTY BOARD OF COUNTY COMMISSIONERS**

**SCS ENGINEERS**  
 STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS, INC.  
 3012 U.S. HWY. 301 N. SUITE 700, TAMPA, FL. 33619  
 PH (813) 621-0080 FAX NO. (813) 623-8757

PROJ. NO. 09199033.01 DWA. BY: BJD D/A REV BY: JHO/RJD  
 DSN. BY: JHO CHK. BY: JHO APP. BY: RJD

CAD FILE: SHT-2  
 DATE: 2-16-00  
 SCALE: AS NOTED  
 DRAWING NO. **2** of 4





REV.	DATE	DESCRIPTION	CK BY

SHEET TITLE  
**SEQUENCING PLAN  
 SEQUENCE 1 THROUGH 6**

PROJECT TITLE  
**MINOR OPERATIONAL FILL  
 SEQUENCE REVISIONS**

CLIENT  
**HARDEE COUNTY  
 BOARD OF COUNTY COMMISSIONERS**

**SCS ENGINEERS**  
 STEARNS, CONRAD AND SCHMIDT  
 CONSULTING ENGINEERS, INC.  
 3012 U.S. HWY. 301 N. SUITE 700, TAMPA, FL. 33619  
 PH (813) 621-0080 FAX NO. (813) 623-6757

PROJ. NO. 09199C33.01    DWN. BY: BJD    O/A R/W BY: JHO/RJD  
 DSN. BY: JHO    CHK. BY: JHO    APP. BY: RJD

CAD FILE: SHT-3  
 DATE: 2-16-00  
 SCALE: AS NOTED  
 DRAWING NO.  
**3** of 4



DESCRIPTION OF PROPOSED 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

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 12-INCH (MIN.) LEACHATE COLLECTION PIPES TO CONVEY RUNOFF LEACHATE FROM SOUTHEAST AND SOUTHWEST CORNERS OF WORKING AREA SWALE 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, TEMPORARILY 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 TOWARD THE 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 UPSTREAM END OF LEACHATE COLLECTION PIPES TO PROVIDE COLLECTION AT LOW POINTS OF SWALE NEAR SOUTHWEST AND SOUTHEAST CORNERS OF PROPOSED SWALE.

2. CONDUCT PROPOSED LEACHATE MANAGEMENT SYSTEM CONSTRUCTION ACTIVITIES. RELOCATE THE SOUTHERN PORTION OF THE SWALE LEACHATE COLLECTION PIPES TO THE NEW SYSTEM MANHOLES.

SEQUENCE 4

1. WHEN THE WORKING AREA IN SEQUENCE 3 IS REDUCED TO APPROXIMATELY 100 FEET FROM THE LEACHATE SWALE, TEMPORARILY 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 TO THE 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 5

1. SAME AS SEQUENCE 4. ADJUST LEACHATE COLLECTION PIPES TO PROVIDE UPSTREAM END AT LOW POINTS NEAR SOUTHWEST AND SOUTHEAST CORNERS OF PROPOSED SWALE.

SEQUENCE 6

1. SAME AS SEQUENCE 5. ADJUST LEACHATE COLLECTION PIPES TO PROVIDE UPSTREAM END AT LOW POINTS NEAR SOUTHWEST AND SOUTHEAST CORNERS OF PROPOSED SWALE.

SEQUENCE 7

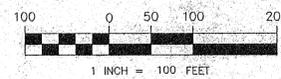
1. WHEN THE AREA NORTH OF THE DISPOSAL DITCH IS FILLED, EXTEND LEACHATE COLLECTION SWALE ALONG WEST, SOUTH AND EAST LIMITS OF LANDFILL. FILL WORKING AREA TO FINAL DESIGN ELEVATIONS. TEMPORARILY CLOSE FILLED AREAS BY APPLYING 12-INCHES OF COVER MATERIAL, GRADED TO DRAIN RAINFALL TO EXISTING STORMWATER MANAGEMENT SYSTEM, AND SODDING.

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.

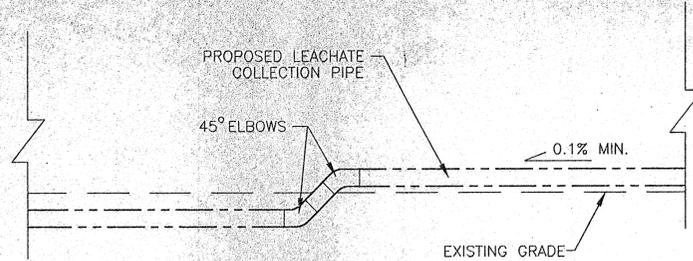
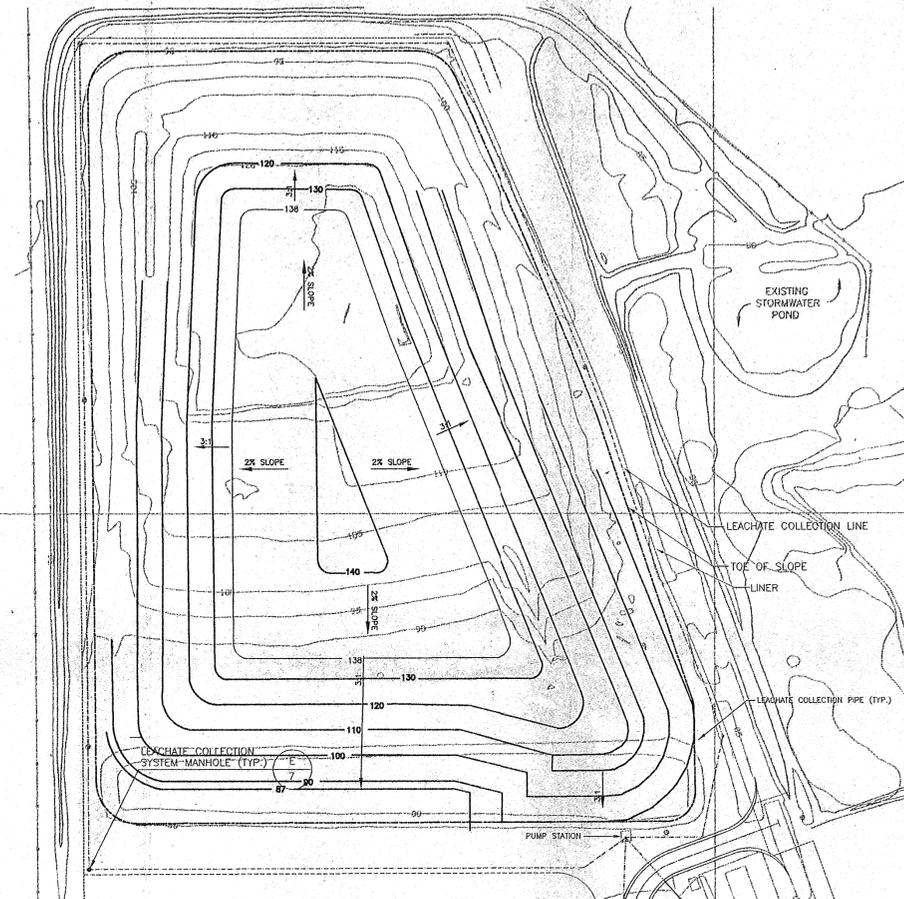
CLOSEOUT

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

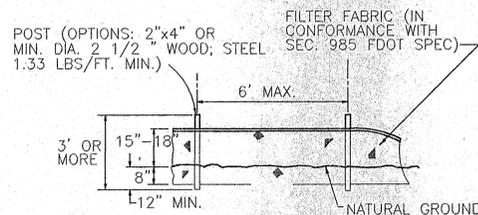
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- STORMWATER FLOW DIRECTION
- FINAL DESIGN CONTOURS
- PROPOSED OPERATIONAL CONTOURS
- PROPOSED LEACHATE COLLECTION PIPES
- EXISTING CONTOURS
- EXISTING ACCESS ROADS
- EXISTING FENCE



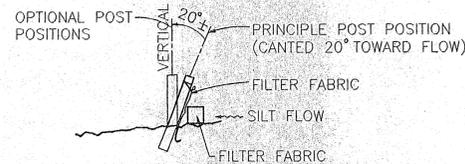
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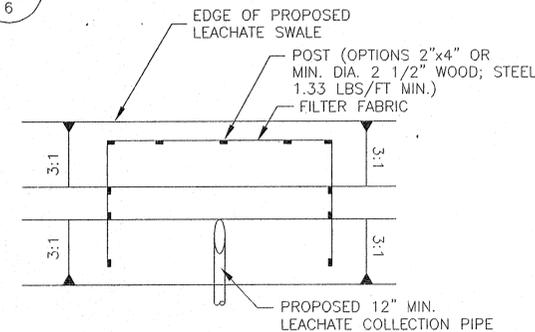
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ELEVATION



SECTION

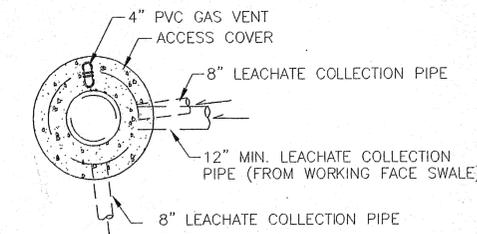


PLAN

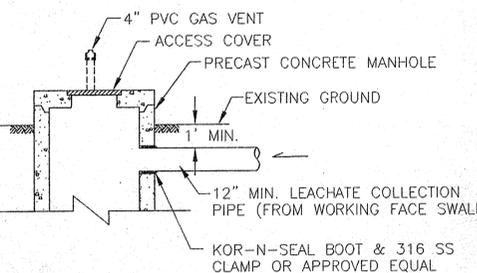


APPLICATION

SILT FENCE C N.T.S. 6.7



PLAN VIEW



LEACHATE COLLECTION SYSTEM MANHOLE E N.T.S. 6.7

SECTION A SCALE: 1"=5' 7

SECTION D SCALE: 1"=5' 6

NOTE 1.) SEE SHEET 2 OF 4 FOR OPERATIONAL NOTES.

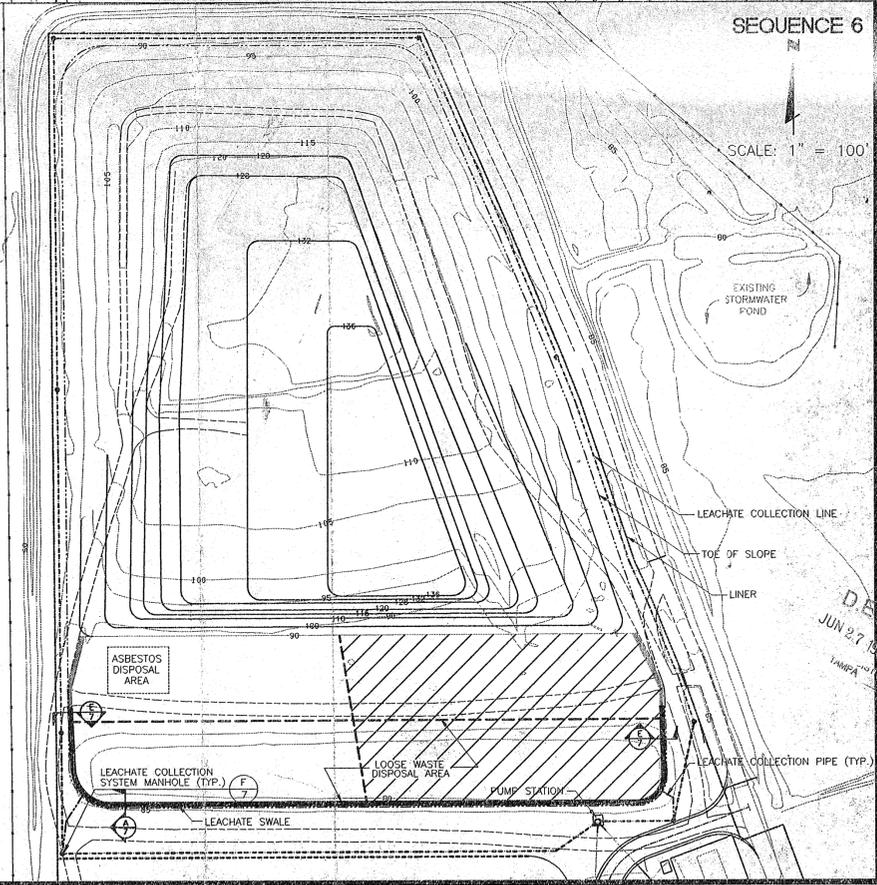
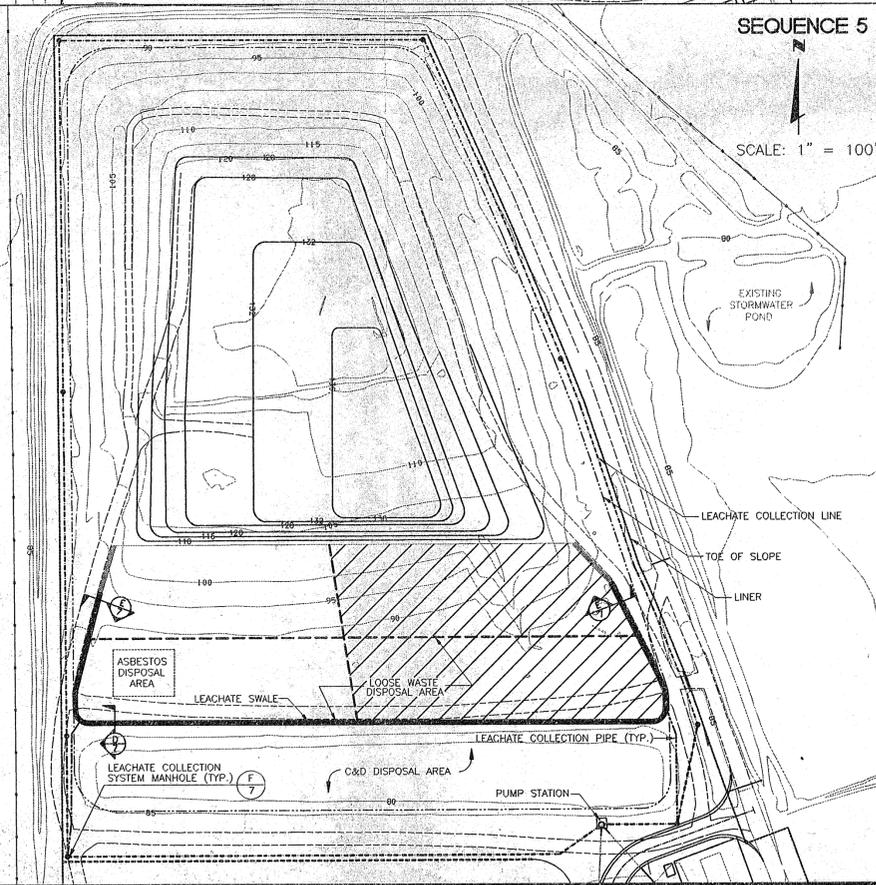
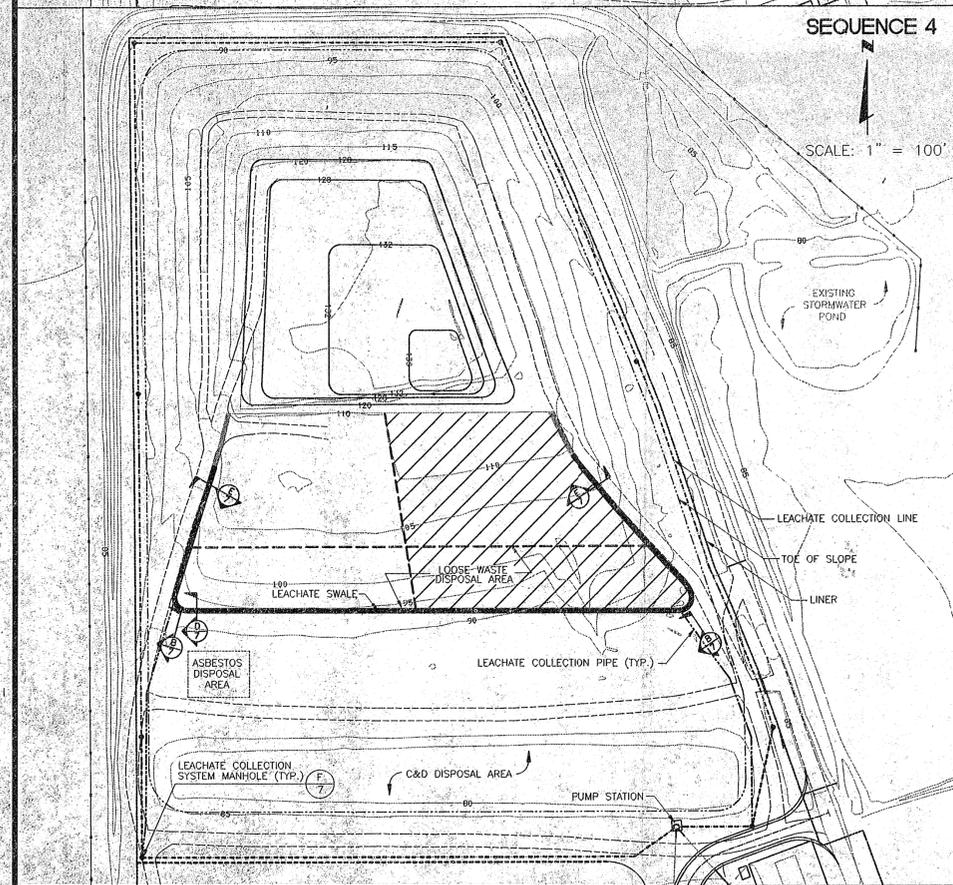
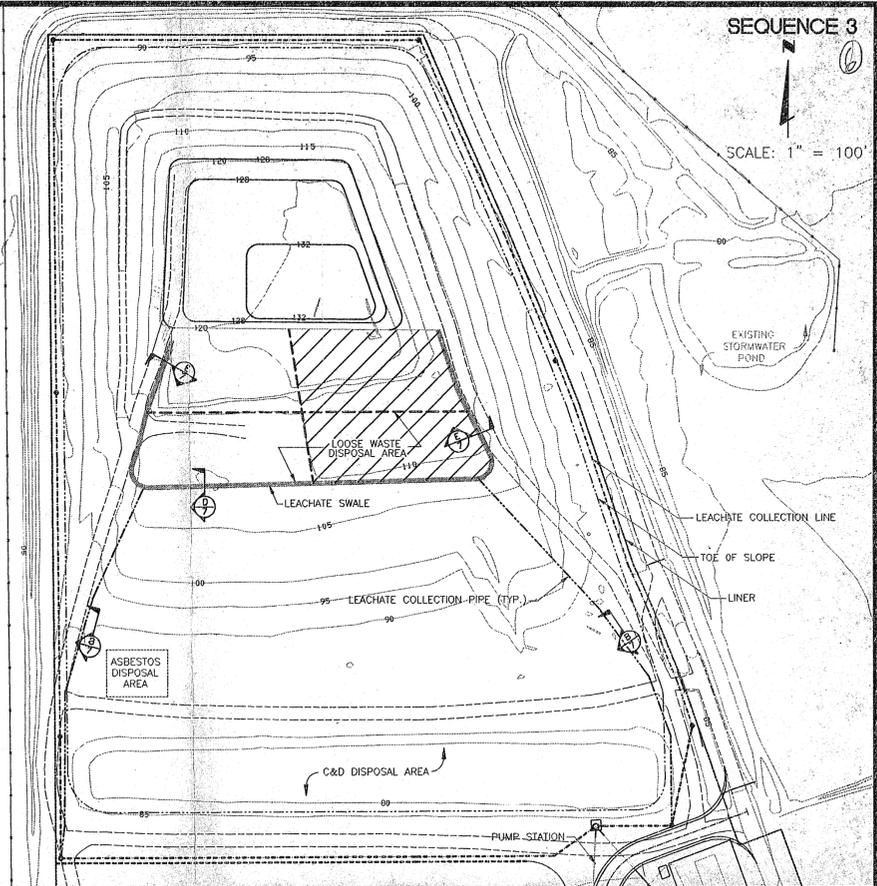
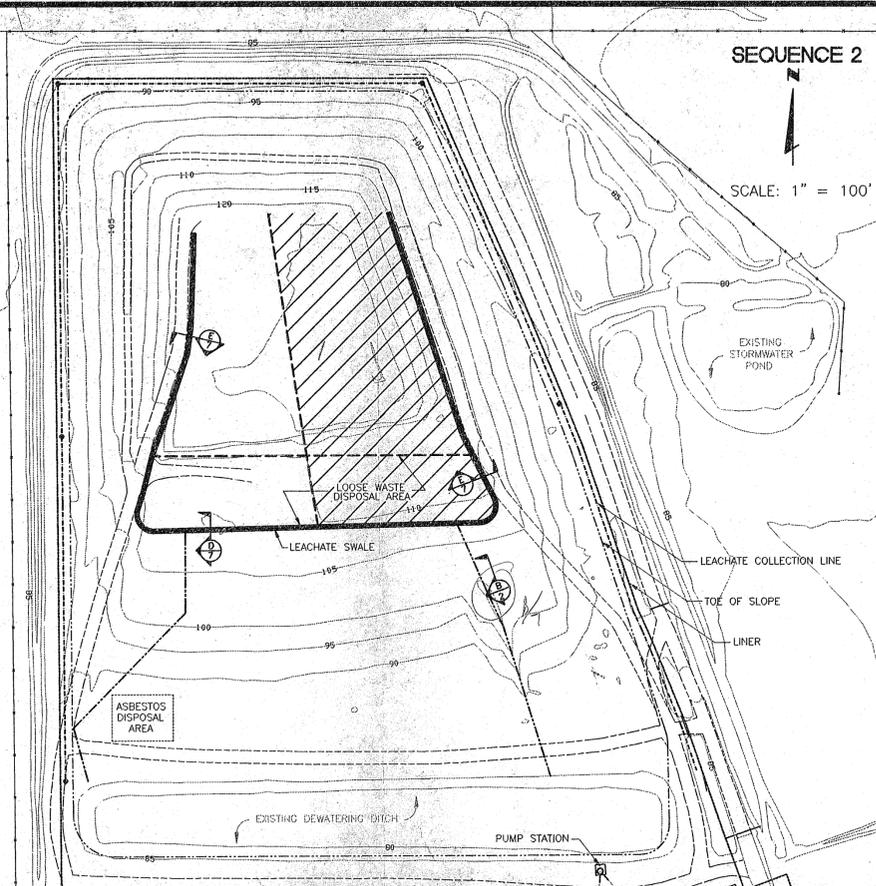
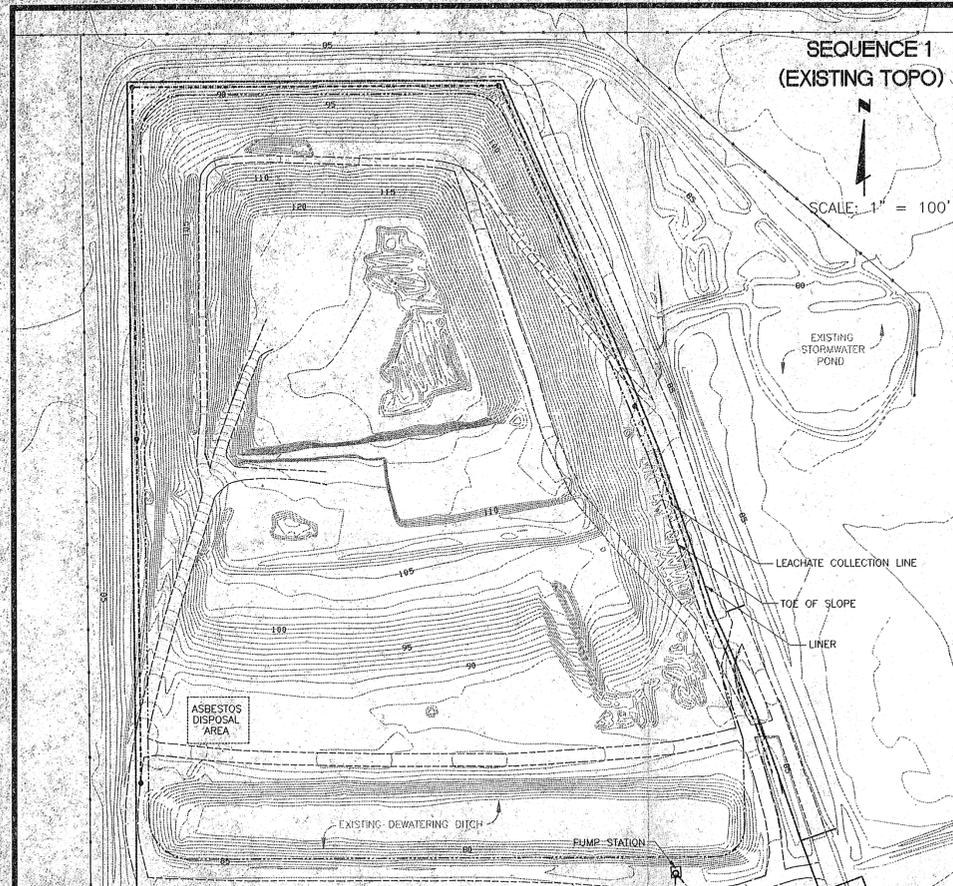
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Table with columns: SHEET TITLE, PROJECT TITLE, CLIENT.

Table with columns: CLIENT, PROJECT TITLE, SHEET TITLE.

Table with columns: SCS ENGINEERS, PROJECT NO., DATE, SCALE, DRAWING NO.

Table with columns: CAD FILE, DATE, SCALE, DRAWING NO., and a stamp.



ENCLOSURE WASTE MANAGEMENT PERMIT VIEWS 22.dwg  
AUGUST 1997



CLIENT HARDEE COUNTY  
BOARD OF COUNTY COMMISSIONERS

PROJECT HARDEE COUNTY REGIONAL LANDFILL

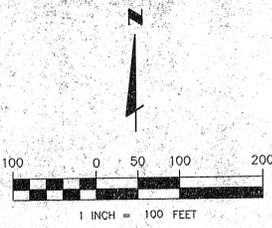
TASK SEQUENCING PLAN  
SEQUENCE 1  
THROUGH  
SEQUENCE 6

ORIGINAL	JUNE 1997	6
REVISIONS:		
1		7
2		8
3		9
4		10
5		11
		12



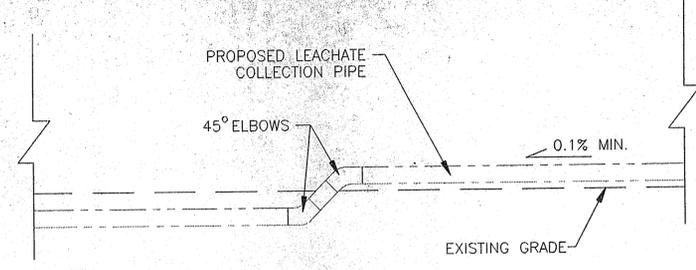
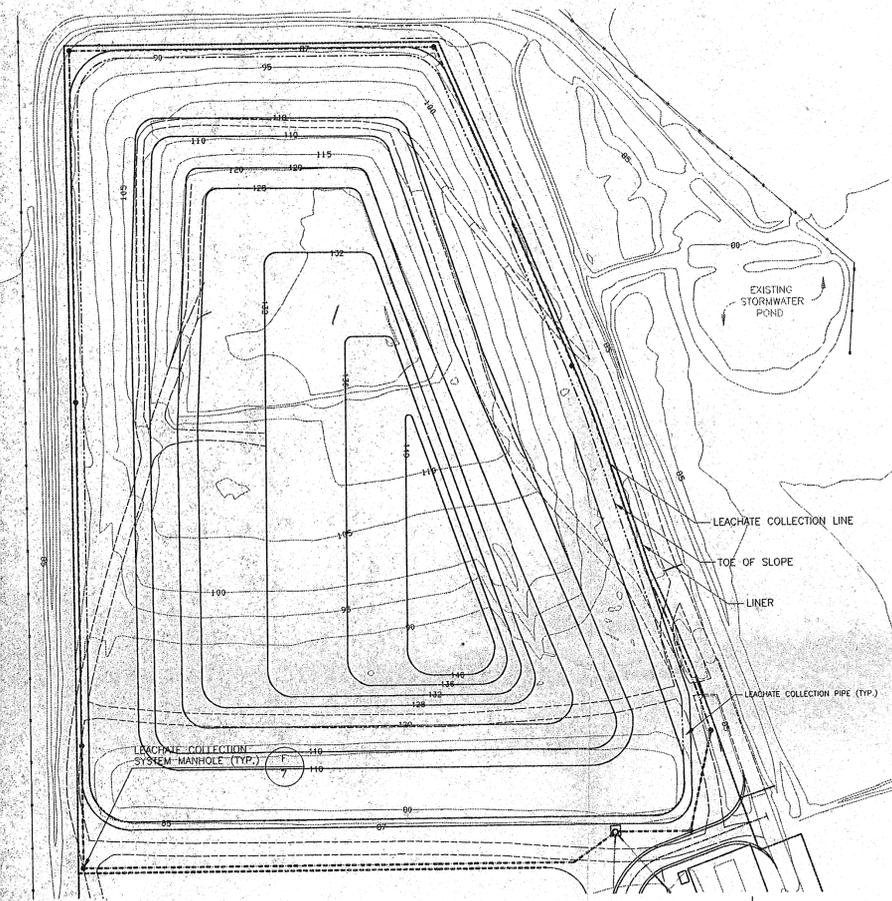
JOB NO 07-862  
DRAWN MM  
DESIGN MM  
CHECKED CEH  
O.C. JF  
SHEET 6

DESIGNED BY  
JUN 27 1997  
DRAWN BY  
FILED BY

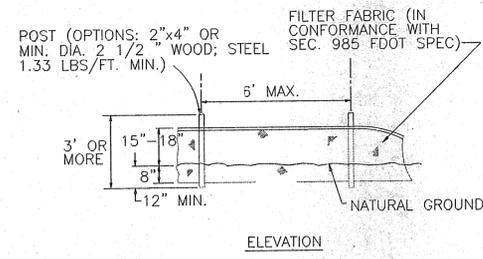


- LEGEND:**
- ~ STORMWATER FLOW DIRECTION
  - FINAL DESIGN CONTOURS
  - - - PROPOSED OPERATIONAL CONTOURS
  - - - PROPOSED LEACHATE COLLECTION PIPES
  - EXISTING CONTOURS
  - - - EXISTING ACCESS ROADS
  - - - EXISTING FENCE

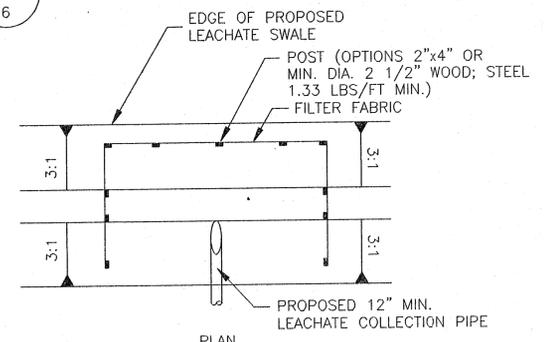
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(FINAL BUILDOUT)**



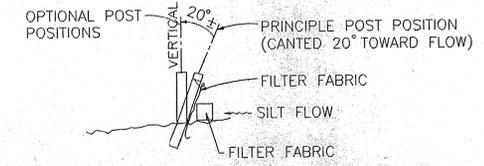
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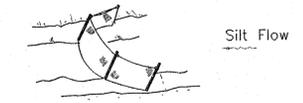
**ELEVATION**



**PLAN**

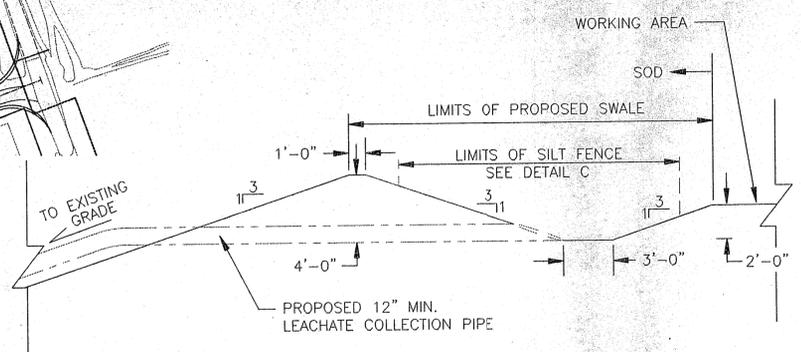


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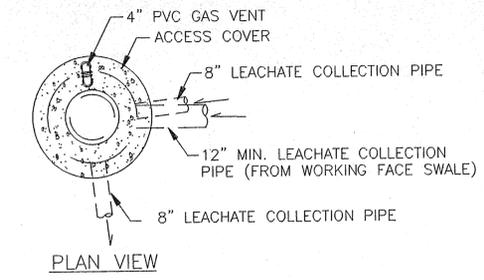


**APPLICATION**

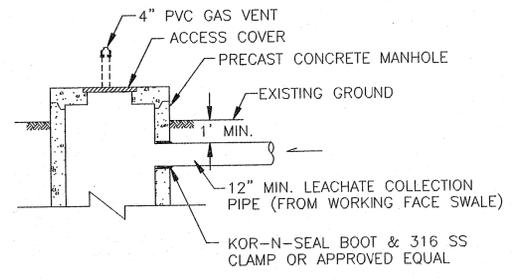
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N.T.S.  
C  
6,7



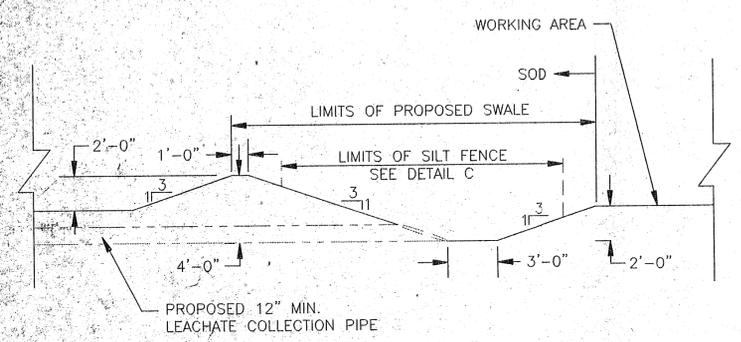
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D  
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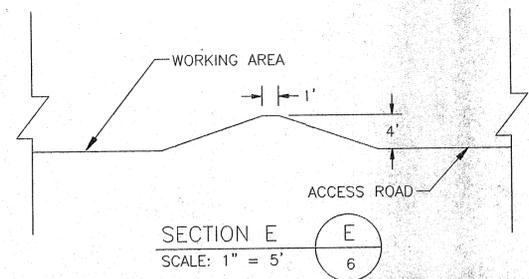
**PLAN VIEW**



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



**SECTION A**  
SCALE: 1" = 5'  
A  
7



**SECTION E**  
SCALE: 1" = 5'  
E  
6

**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**

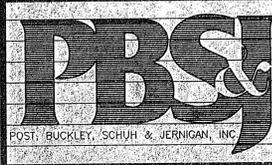
1. SAME AS SEQUENCE 5.

**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.

D.E.P.  
JUN 27 1997

DESIGNED BY: STANLEY W. BUCKLEY, P.E. DRAWN BY: JAMES M. JERNIGAN, P.E. CHECKED BY: Q. C. JEFFREY, P.E. DATE: 06/17/97



CLIENT: **HARDEE COUNTY BOARD OF COUNTY COMMISSIONERS**

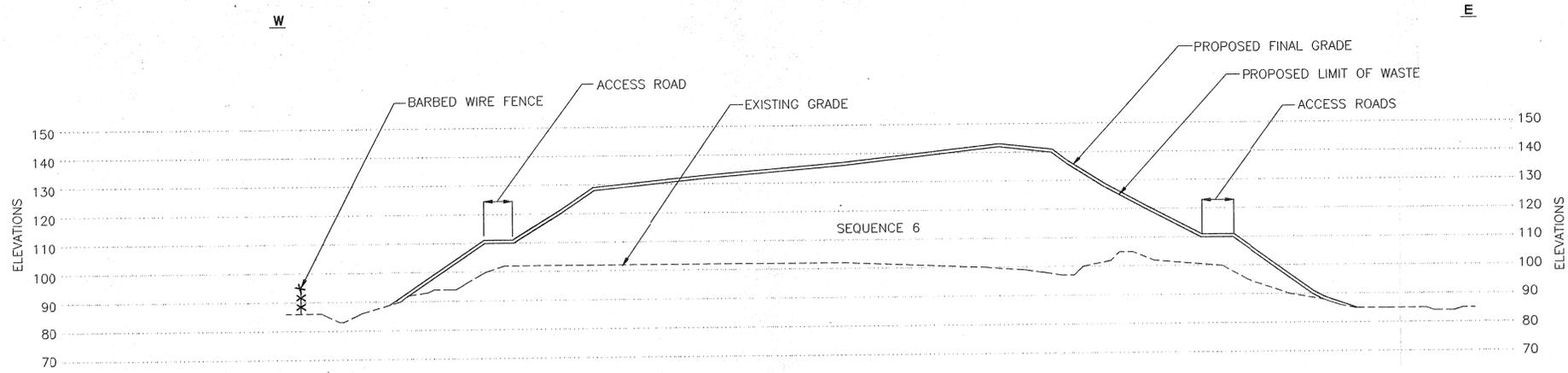
PROJECT: **HARDEE COUNTY REGIONAL LANDFILL**

TASK: **SEQUENCING PLAN  
SEQUENCE 7  
AND  
DETAILS**

ORIGINAL	JUNE 1997	6
REVISIONS:		
1		
2		
3		
4		
5		



JOB NO. 97-862.35  
DRAWN: MM  
DESIGN: MM  
CHECKED: CEH  
Q.C. JF  
SHEET 7

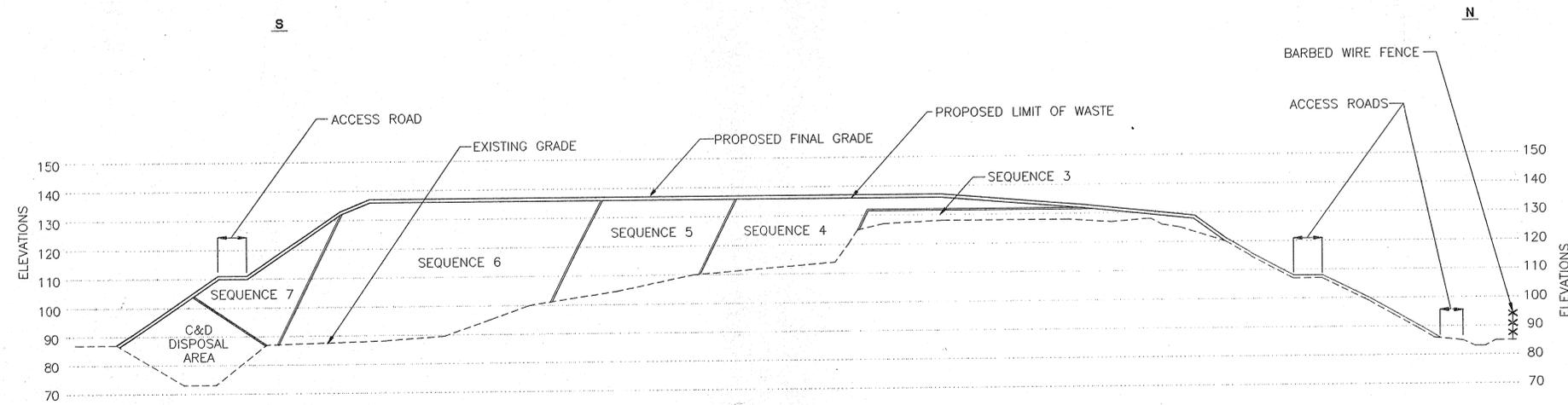


EAST-WEST CROSS SECTION

A

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

5



NORTH-SOUTH CROSS SECTION

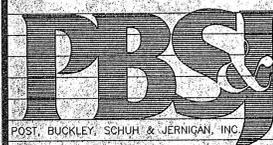
B

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

5

D.E.P.  
JUN 27 1997  
TAMPA

1. ENVIRONMENTAL WASTE MANAGEMENT PERMIT NEW/DWG  
 2. DATE: 06/05/97, 10:56:37  
 3. PLOT: 07-862.35

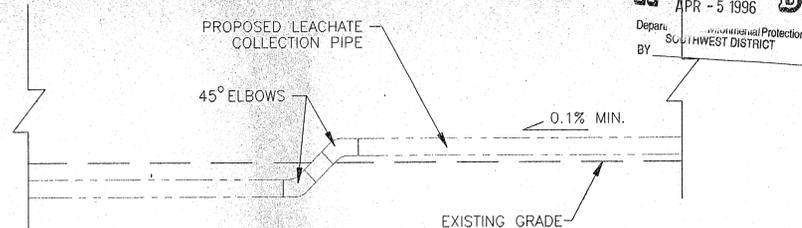
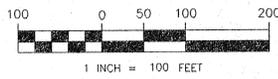


CLIENT <b>HARDEE COUNTY</b> BOARD OF COUNTY COMMISSIONERS	PROJECT <b>HARDEE COUNTY REGIONAL LANDFILL</b>	TASK <b>CROSS SECTIONS</b>	ORIGINAL MAY 1997	6		JOB NO. 07-862.35
			REVISIONS: 1 _____ 2 _____ 3 _____ 4 _____ 5 _____	7 _____ 8 _____ 9 _____ 10 _____ 11 _____ 12 _____		DRAWN MM DESIGN MM CHECKED REM Q.C. CEH
<b>SHEET 8</b>						

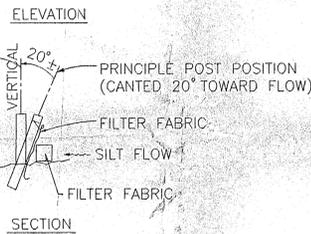
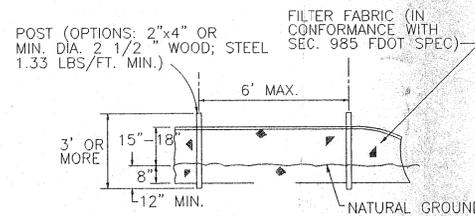


RECEIVED  
APR - 5 1996  
Department of Environmental Protection  
BY: [Signature]

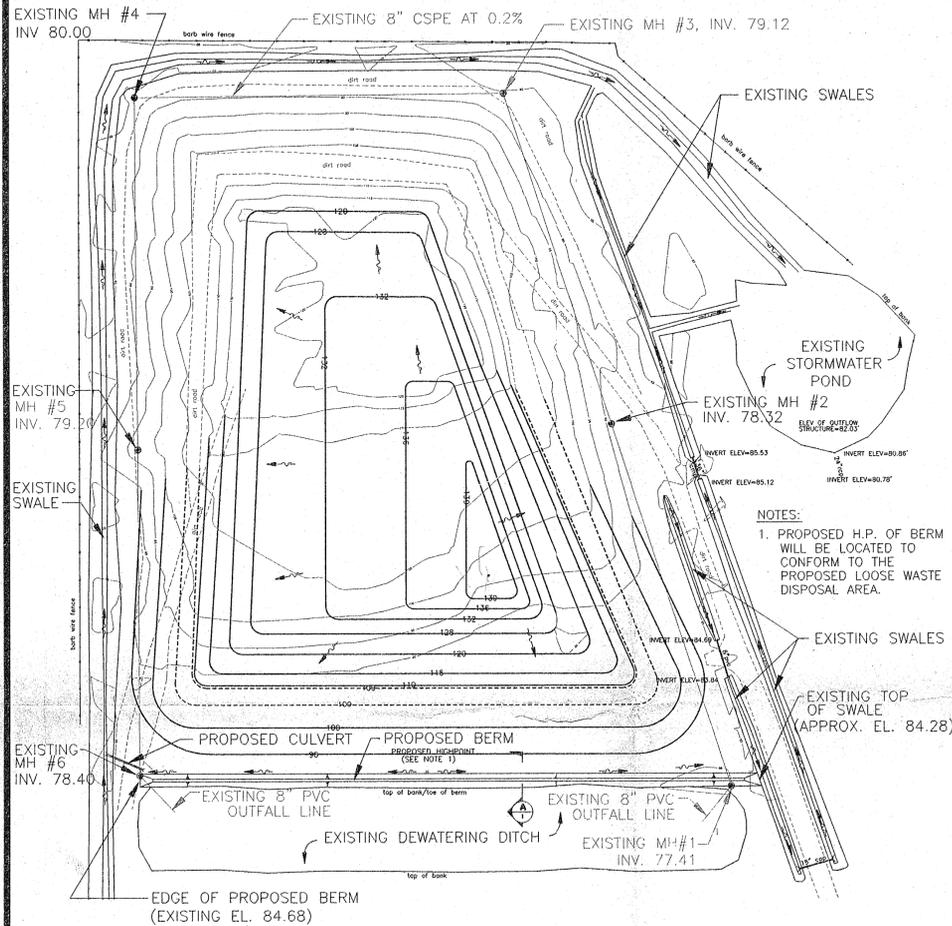
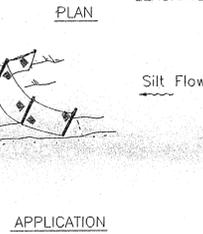
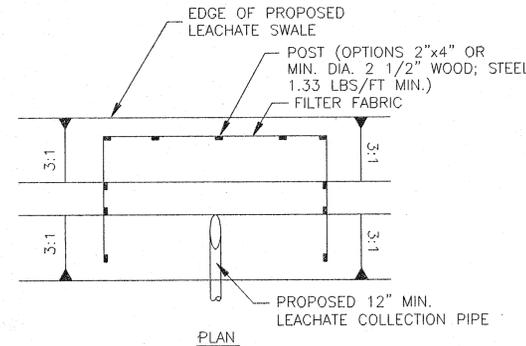
- LEGEND:
- STORMWATER FLOW DIRECTION
  - FINAL DESIGN CONTOURS
  - PROPOSED OPERATIONAL CONTOURS
  - PROPOSED LEACHATE COLLECTION PIPES
  - EXISTING CONTOURS
  - EXISTING ACCESS ROADS
  - EXISTING FENCE



SECTION B  
SCALE: 1"=5'  
1, 2

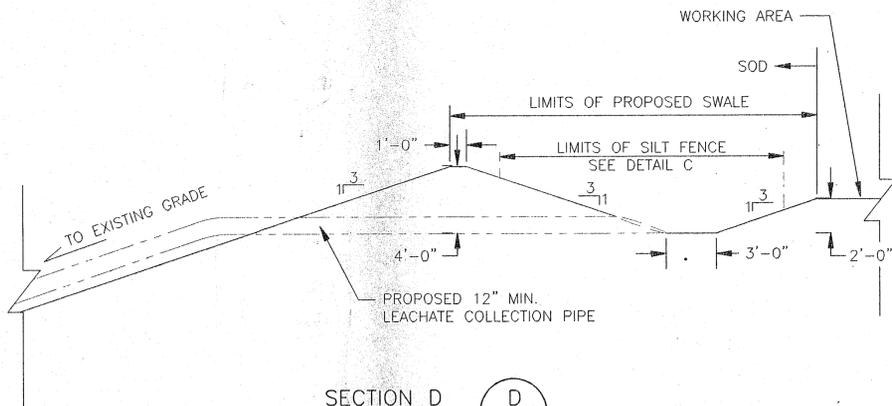
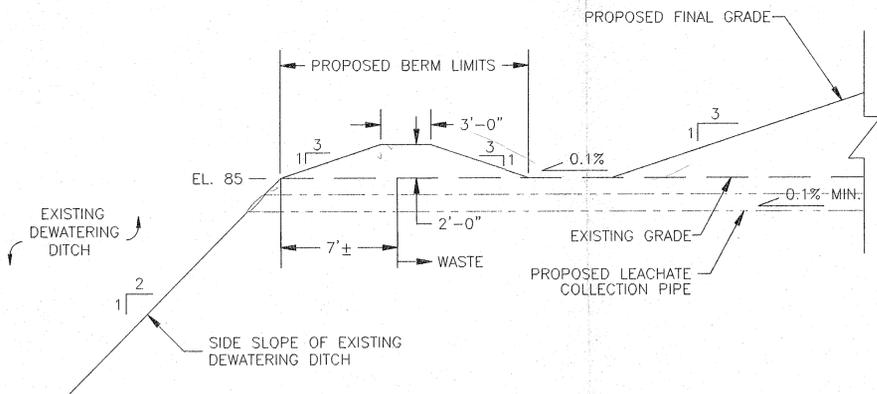


SILT FENCE  
N.T.S.  
1, 2



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

SECTION A  
SCALE: 1"=5'  
1, 2



SECTION D  
SCALE: 1"=5'  
1, 2

SEQUENCE 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.
- 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.
- 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

- 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.
- 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

- 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

- 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

- 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

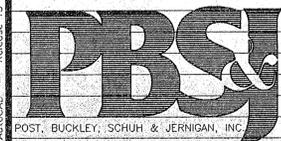
- WHEN THE SOUTHERNMOST 75 FEET OF WORKING AREA ADJACENT TO EXISTING DEWATERING DITCH IS FILLED, CLOSE BY APPLYING 12-INCHES OF COVER MATERIAL, GRADED TO DRAIN RAINFALL TO EXISTING STORMWATER MANAGEMENT SYSTEM, AND SODDING. CONSTRUCT LEACHATE COLLECTION SWALE ALONG WEST, SOUTH AND EAST SIDES OF REMAINING WORKING AREA. SWALE TO EXTEND TO EAST AND WEST LIMITS OF LANDFILL.
- 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

- 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.
- 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

F:\ENVA\8851\HARDEE\DWG\STW\SEC.DWG  
DATE: 07/19/96 13:30:10  
AutoCAD Release 13



CLIENT  
**HARDEE COUNTY**  
BOARD OF COUNTY COMMISSIONERS

PROJECT  
**HARDEE COUNTY LANDFILL**

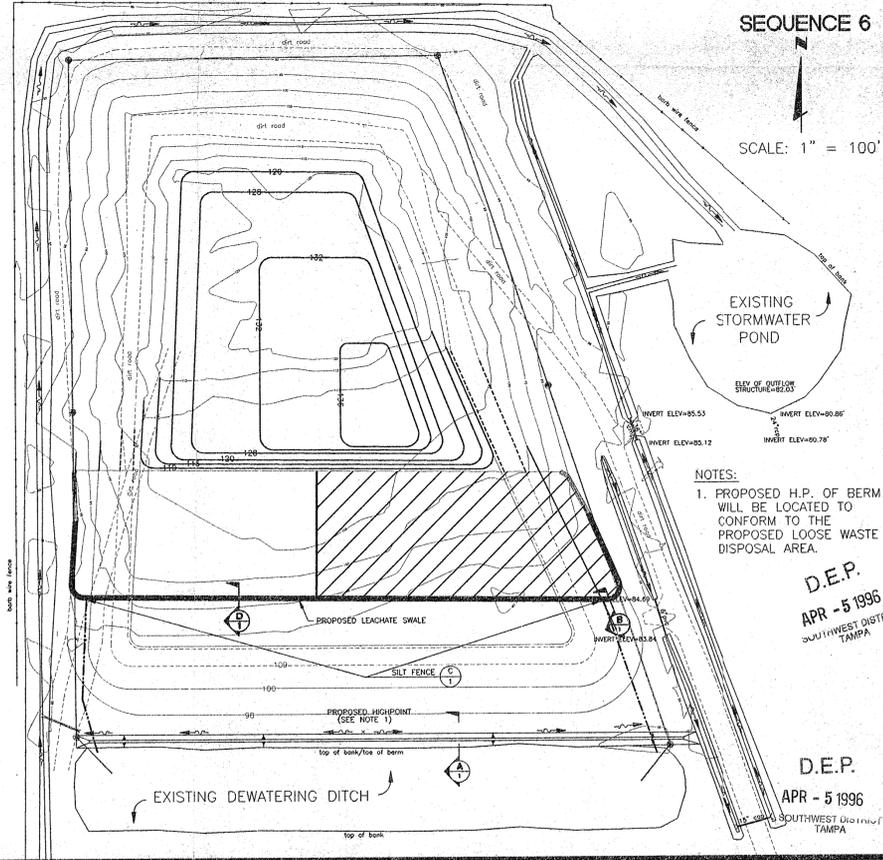
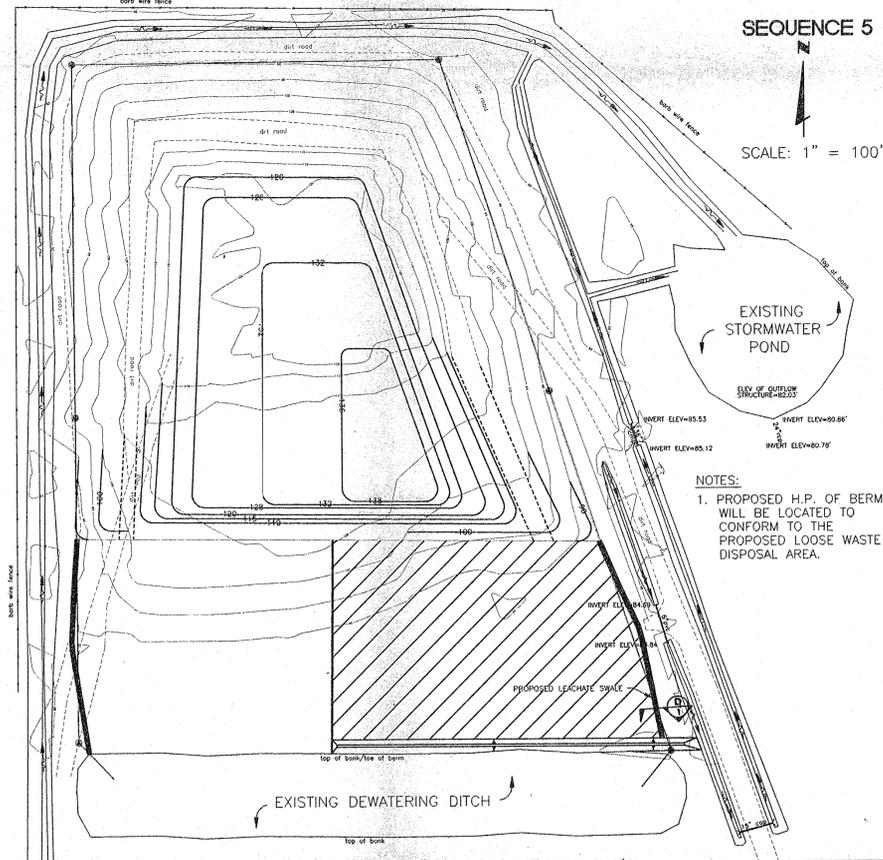
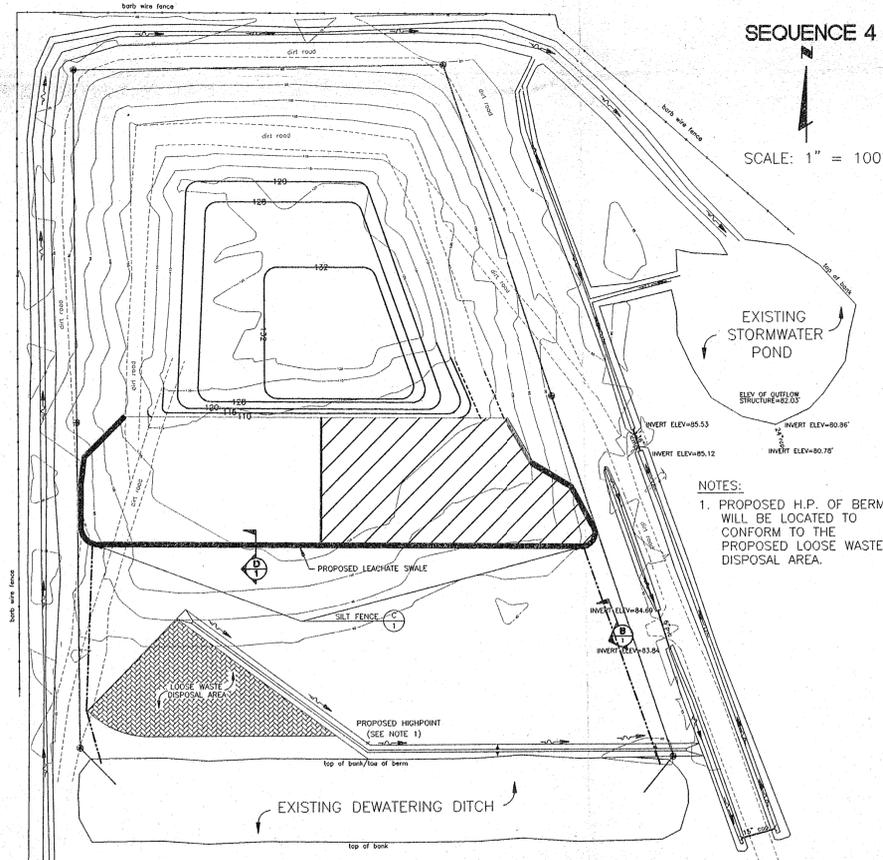
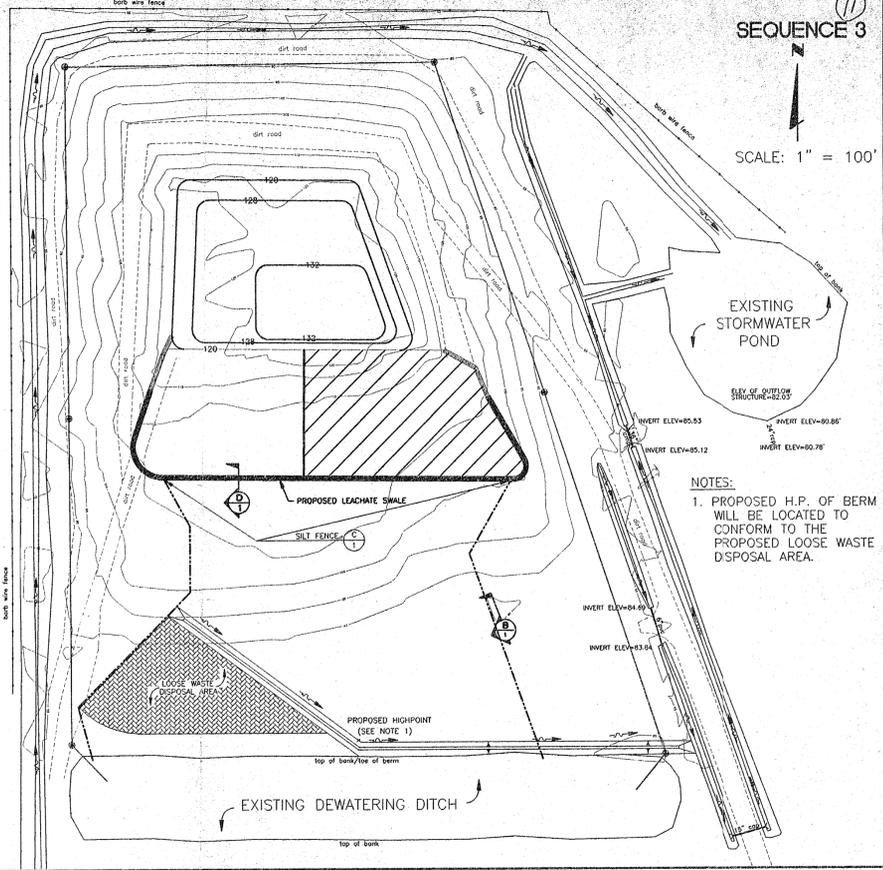
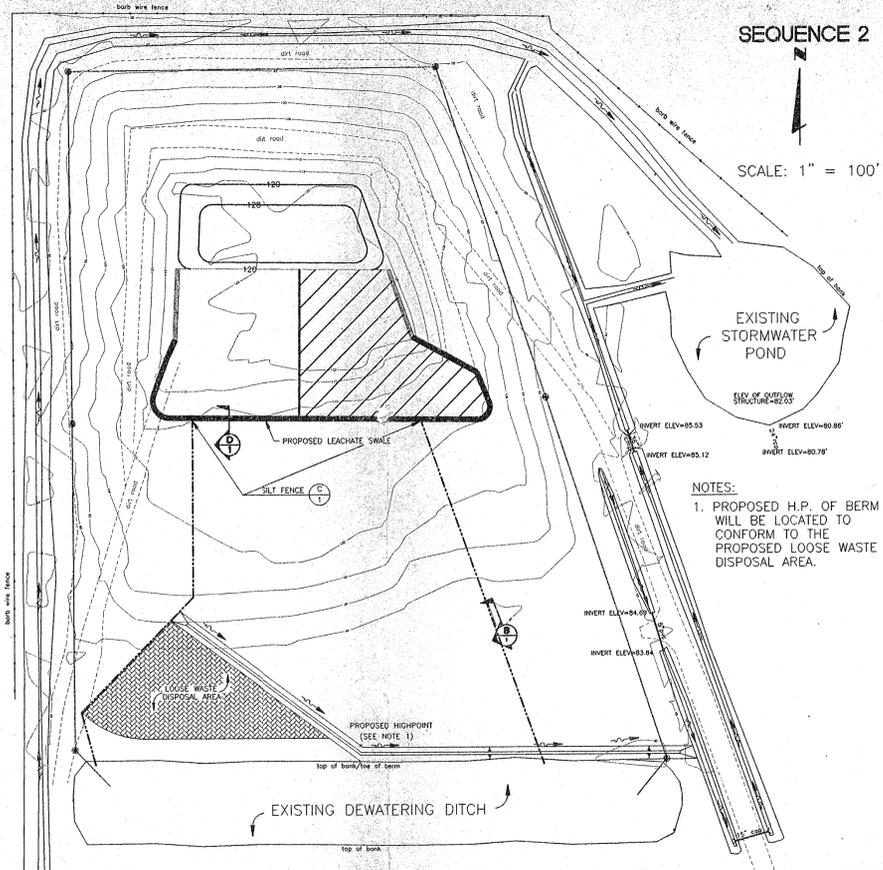
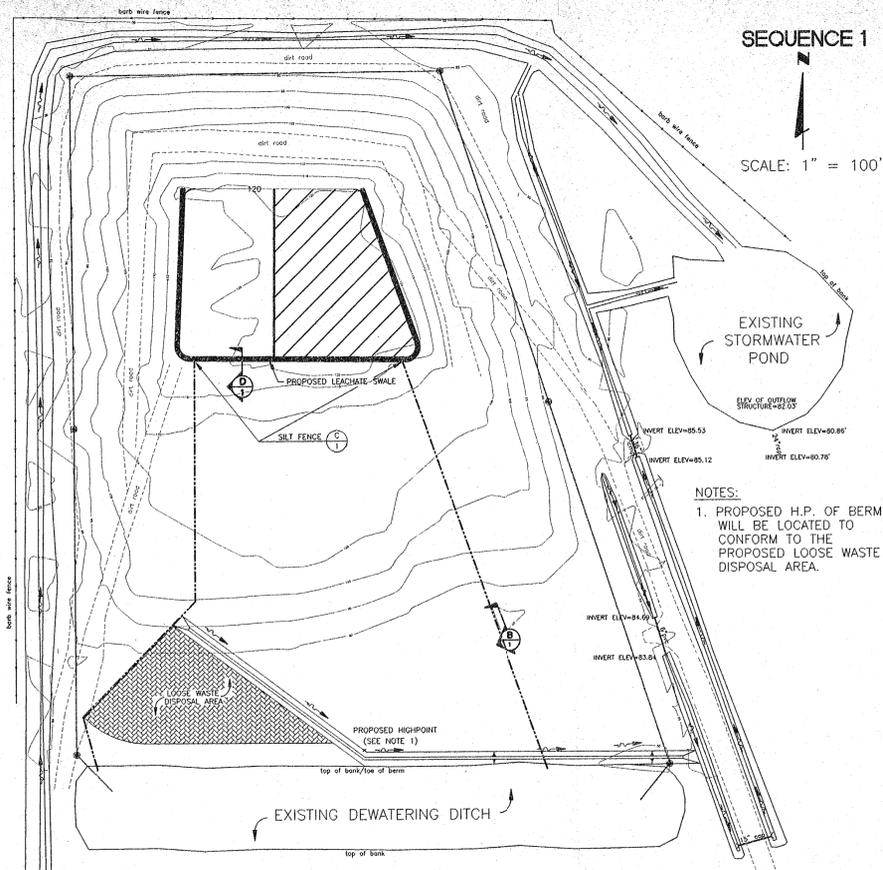
TASK  
**PROPOSED STORMWATER DESIGN**  
**FINAL BUILDOUT**  
**AND**  
**DETAILS**

ORIGINAL	FEB. 1996	6
REVISIONS:		
1	RAI - APRIL 1996	7
2		8
3		9
4		10
5		11
		12



JOB NO. 07-862.15  
DRAWN MM  
DESIGN MM  
CHECKED BT  
Q.C. EH  
SHEET 1

FILE ONLY



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AutoCAD Release 13

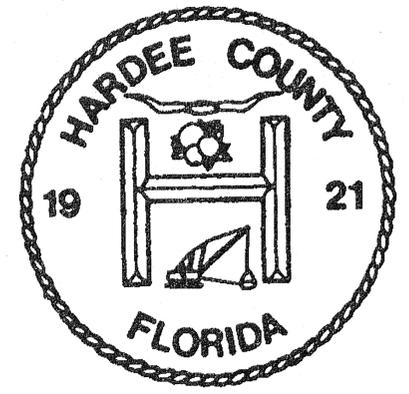
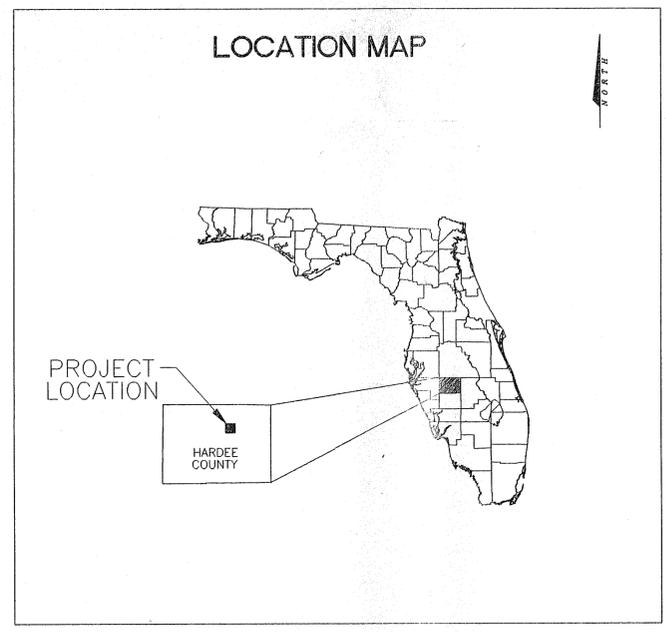


CLIENT	HARDEE COUNTY BOARD OF COUNTY COMMISSIONERS	PROJECT	HARDEE COUNTY LANDFILL	TASK	PROPOSED STORMWATER DESIGN OPERATIONAL SEQUENCING PLAN	ORIGINAL	FEB. 1996	6			JOB NO. 07-862.15	
						REVISIONS:		7			DRAWN	MM
						1	RAI - APRIL 1996	8			DESIGN	MM
						2		9			CHECKED	BT
						3		10			Q.C.	EH
						4		11				
						5		12			SHEET 2	

# 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 Segueving Plans Revised May 2001*

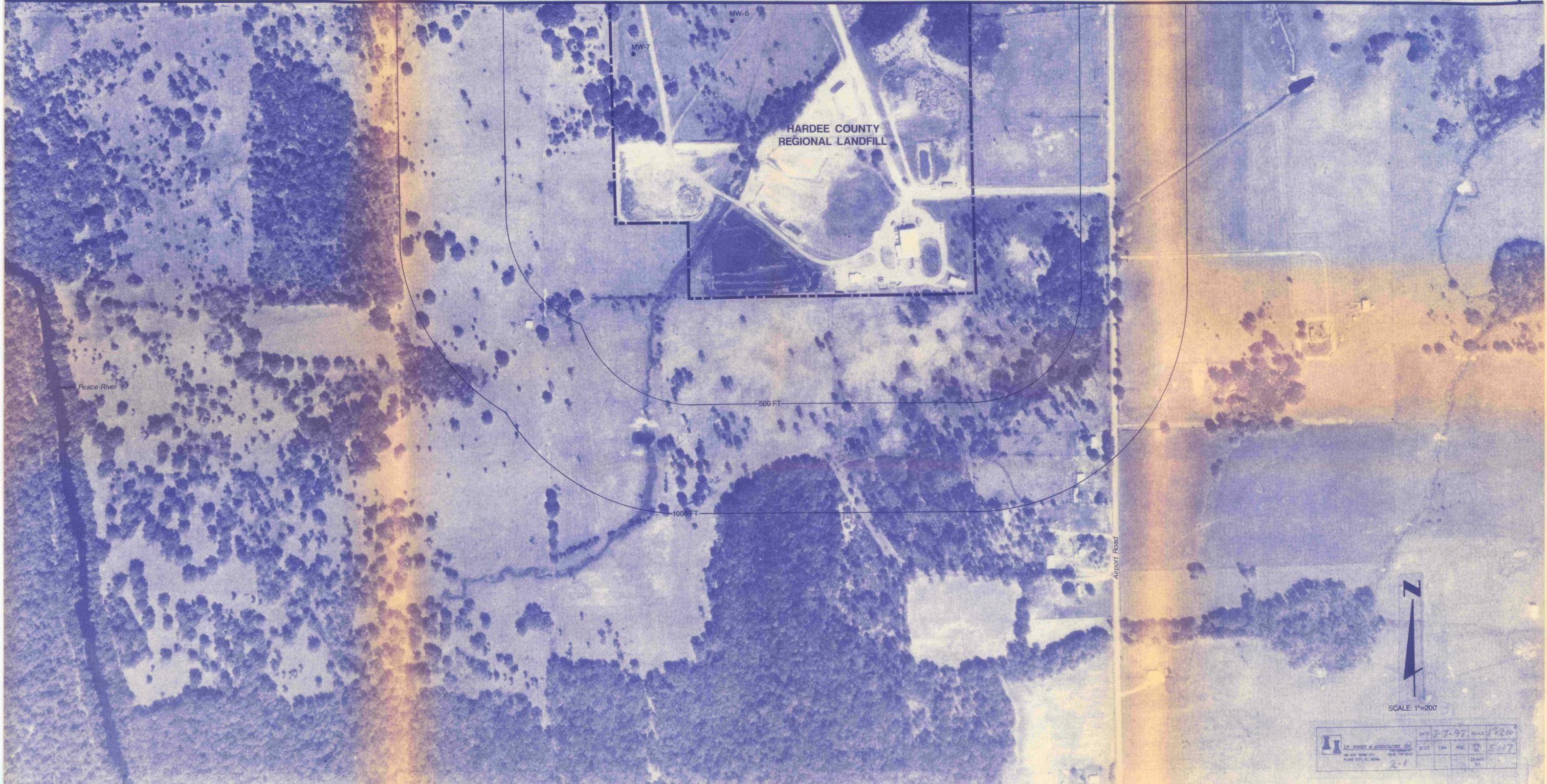
D.E.P.  
APR 30 1997  
SOUTHWEST DISTRICT  
TAMPA

I:\ENV\000\WASTEWATER\HARDEE\PERMIT\HARCOVER.DWG  
MA 03/27/97  
Autocad Release 13

PREPARED BY  
**PBSJ**  
POST, BUCKLEY, SCHUH & JERNIGAN INC.  
ENGINEERING - PLANNING - ARCHITECTURE



MATCH LINE SEE SHEET 2B



DATE 3-7-97		SCALE 1"=200'	
PROJECT	TOWN	RIDGE	SECTION
PLANT 207L, FL 2000A	2-1		



CLIENT HARDEE COUNTY  
BOARD OF COUNTY COMMISSIONERS

PROJECT HARDEE COUNTY  
REGIONAL LANDFILL  
PERMIT RENEWAL

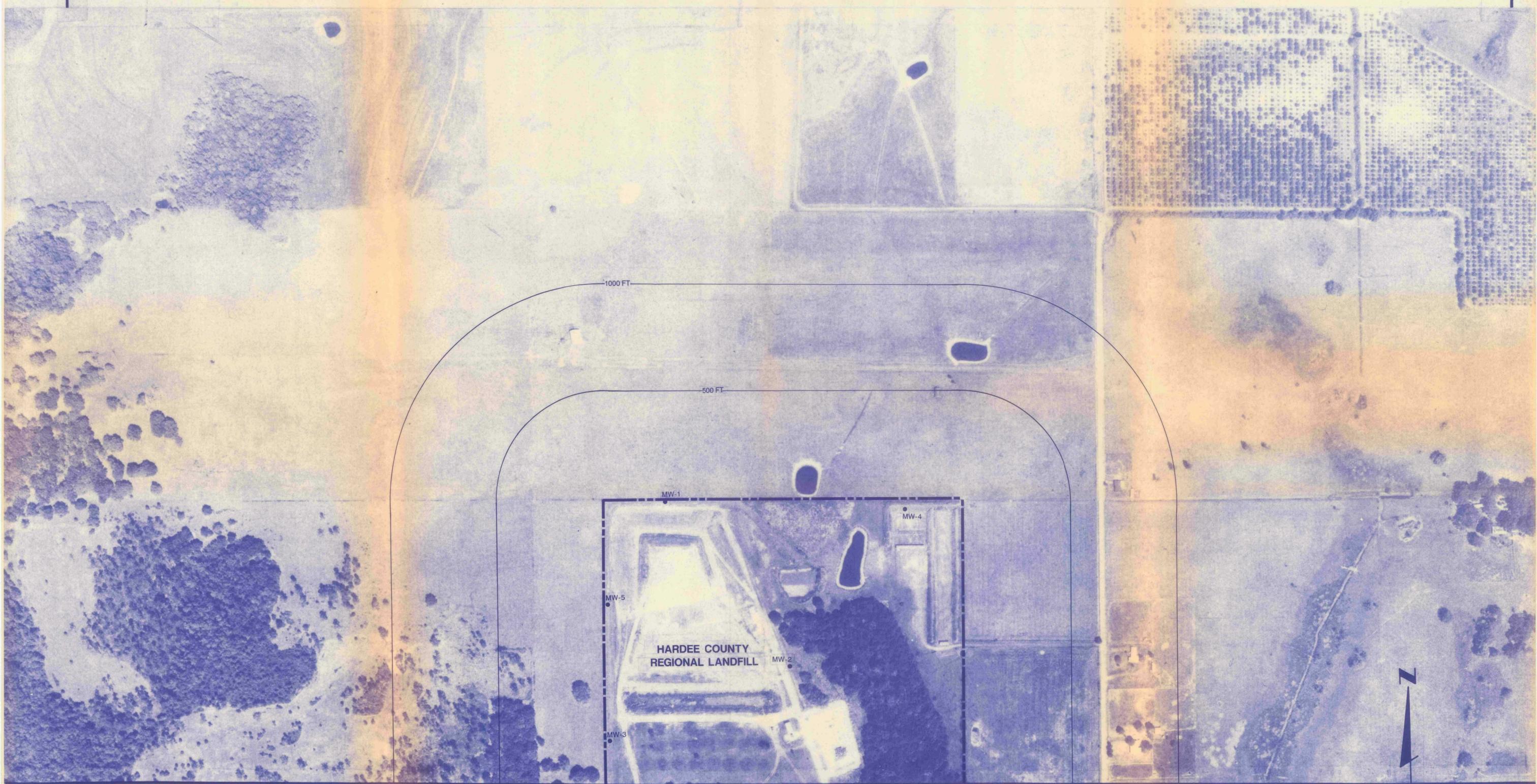
TASK AERIAL SURVEY  
(500 FT & 1000 FT RADIUS)

ORIGINAL APRIL 1997  
REVISIONS:  
1  
2  
3  
4  
5

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



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

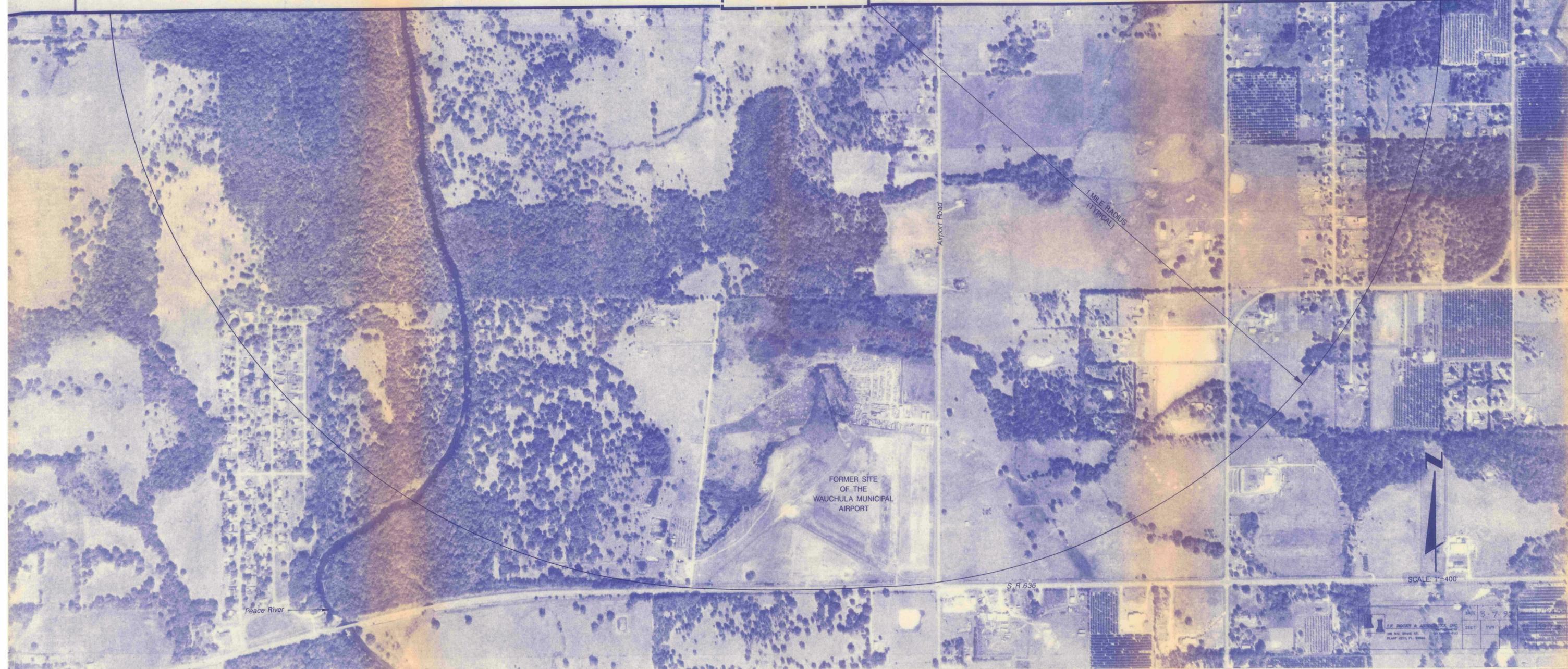


MATCH LINE SEE SHEET 2A SCALE: 1"=200'

	CLIENT	HARDEE COUNTY BOARD OF COUNTY COMMISSIONERS	PROJECT	HARDEE COUNTY REGIONAL LANDFILL PERMIT RENEWAL	TASK	AERIAL SURVEY (500 FT & 1000 FT RADIUS)	ORIGINAL REVISIONS:	APRIL 1997	6			JOB NO. 07-862.23
							7	D.E.P.	7	AMS		
							8	APR 30 1997	8	KAL		
							9	SOUTHWEST DISTRICT OF TAMPA	9	REM		
						10		10	QC			
						11		11				
						12		12				

HARDEE COUNTY  
REGIONAL LANDFILL

MATCH LINE  
SEE SHEET 3B



CLIENT  
**HARDEE COUNTY**  
 BOARD OF COUNTY COMMISSIONERS

PROJECT  
**HARDEE COUNTY**  
**REGIONAL LANDFILL**  
 PERMIT RENEWAL

TASK  
**AERIAL SURVEY**  
 1 MILE RADIUS

ORIGINAL APRIL 1997  
 REVISIONS:  
 1 \_\_\_\_\_  
 2 \_\_\_\_\_  
 3 \_\_\_\_\_  
 4 \_\_\_\_\_  
 5 \_\_\_\_\_

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



JOB NO. 07-862.23  
 DRAWN AMS  
 DESIGNED KAL  
 CHECKED REM  
 QC \_\_\_\_\_  
**SHEET 3A/5**

REPRO PRODUCTS INC.

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'



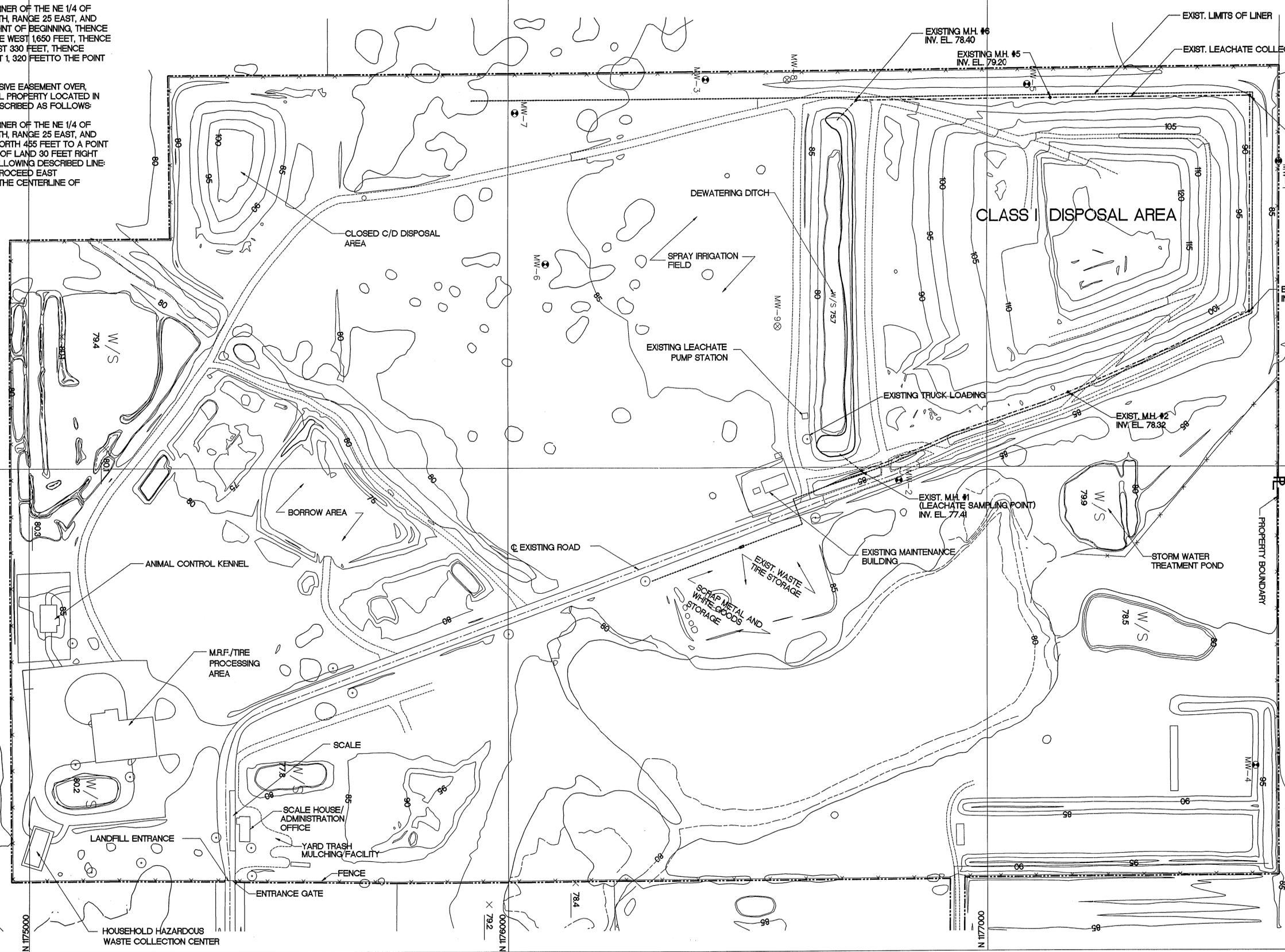
CLIENT	HARDEE COUNTY BOARD OF COUNTY COMMISSIONERS	PROJECT	HARDEE COUNTY REGIONAL LANDFILL PERMIT RENEWAL	TASK	AERIAL SURVEY 1 MILE RADIUS	ORIGINAL REVISIONS:	APRIL 1997	6			JOB NO. 07-862.23
						1		7	D.E.P.		DRAWN AMS
						2		8	APR 30 1997		DESIGNED KAL
						3		9	SOUTHWEST DISTRICT TAMPA		CHECKED REM
						4		10			QC
						5		11			
								12			SHEET 3B/5

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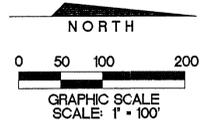
BEGIN AT THE SOUTHEAST CORNER OF THE NE 1/4 OF SECTION 35, TOWNSHIP 33 SOUTH, RANGE 25 EAST, AND GO WEST 660 FEET TO THE POINT OF BEGINNING, THENCE RUN NORTH 2,640 FEET, THENCE WEST 1,650 FEET, THENCE SOUTH 2,310 FEET, THENCE EAST 330 FEET, THENCE SOUTH 330 FEET, THENCE EAST 1,320 FEET TO THE POINT OF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



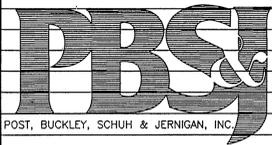
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INV. EL. 78.40  
EXIST. M.H. #5  
INV. EL. 79.20  
EXIST. M.H. #4  
INV. EL. 80.00  
EXIST. M.H. #4  
INV. EL. 79.12  
EXIST. M.H. #2  
INV. EL. 78.32  
EXIST. M.H. #1  
(LEACHATE SAMPLING POINT)  
INV. EL. 77.41



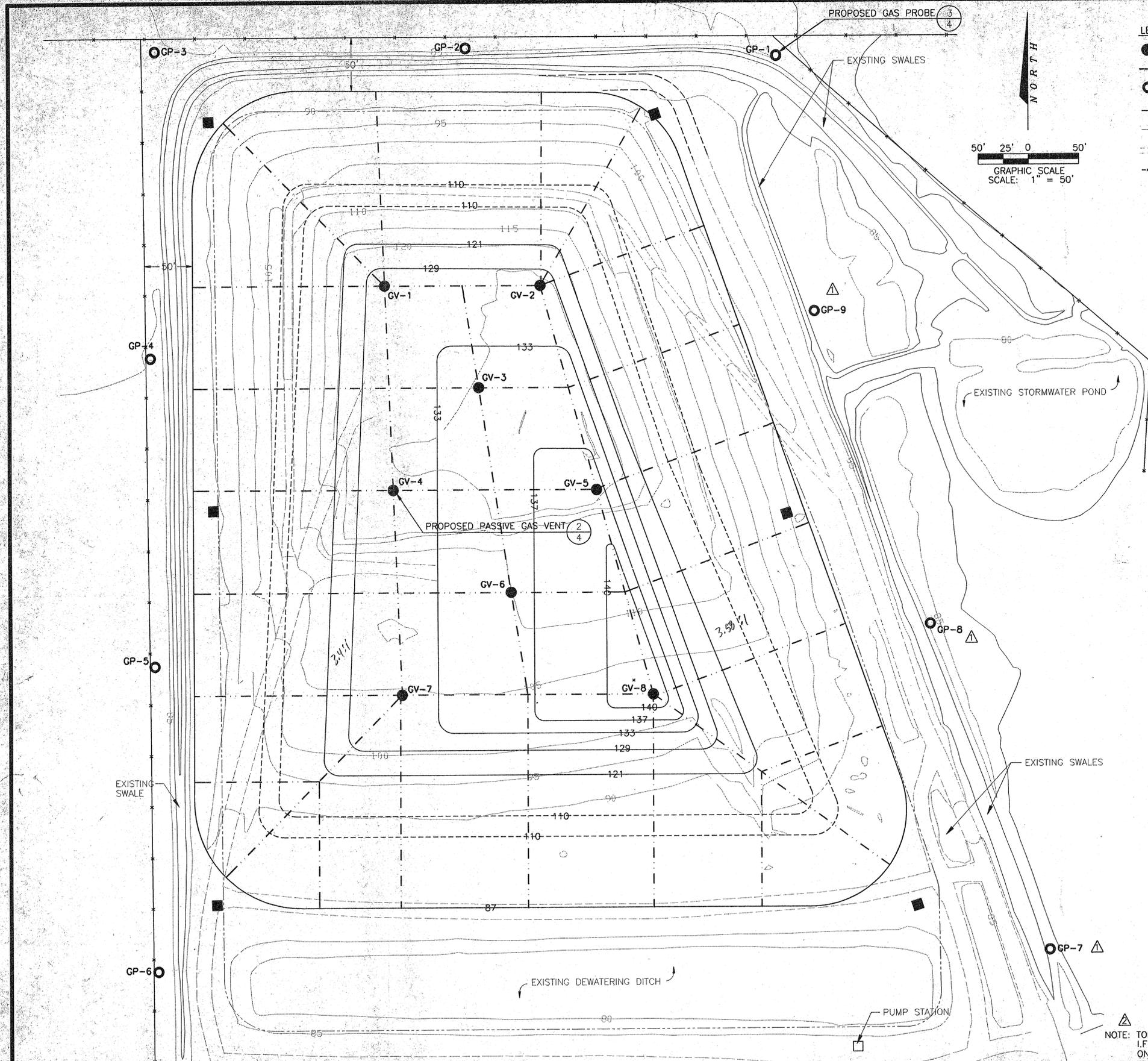
- LEGEND:
- EXIST. MONITORING WELL MW-4
- PROPOSED MONITORING WELL MW-1
- PROPERTY LINE
- FENCE

D.E.P.  
JUN 27 1997

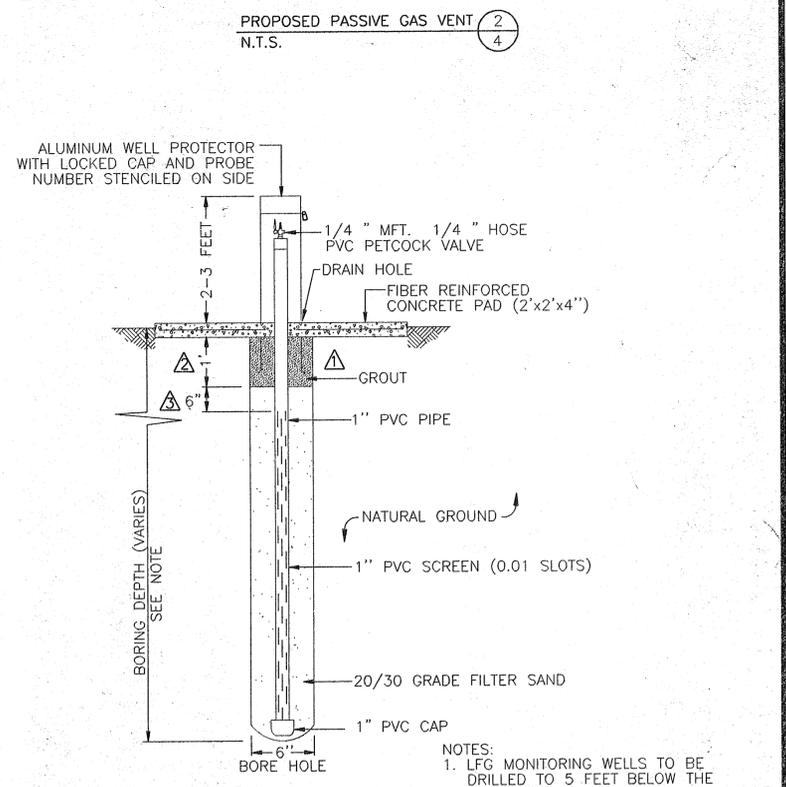
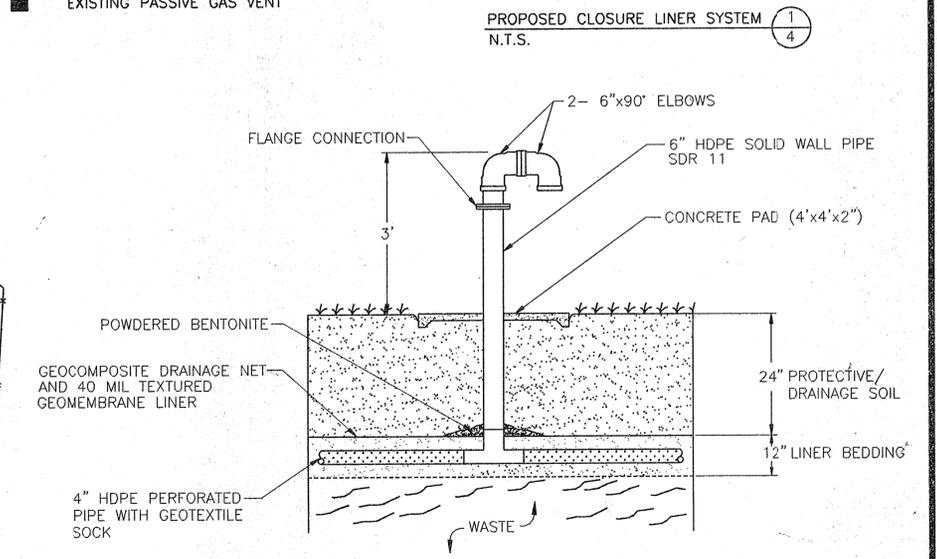
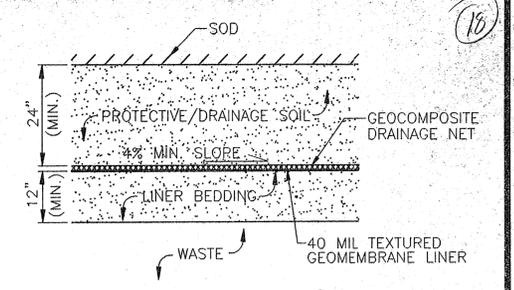
NOTE: TOPOGRAPHY FLOWN BY I.F. ROOKS & ASSOCIATES, INC., ON FEBRUARY 19, 1997.

 <p>POST, BUCKLEY, SCHUH &amp; JERNIGAN, INC.</p>	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

ENCLOSURE: WASTE PERMITS, HARDEE COUNTY PERMITS, RELEASE 13



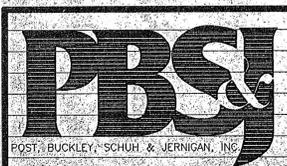
- LEGEND:**
- GV-1 PROPOSED PASSIVE GAS VENT
  - PROPOSED HORIZONTAL GAS PIPELINE
  - GP-1 PROPOSED GAS PROBE
  - FINAL DESIGN CONTOURS
  - EXISTING CONTOURS
  - - - EXISTING ACCESS ROADS
  - - - EXISTING FENCE
  - EXISTING PASSIVE GAS VENT



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.

I:\ENV\00\WASTEMAN\HARDEE\PERMIT\VARCAS.DWG  
DATE: 08/19/97 14:23:27  
JOB NO. 07-862.31



CLIENT  
**HARDEE COUNTY**  
BOARD OF COUNTY COMMISSIONERS

PROJECT  
**HARDEE COUNTY REGIONAL LANDFILL**  
CLASS I LANDFILL

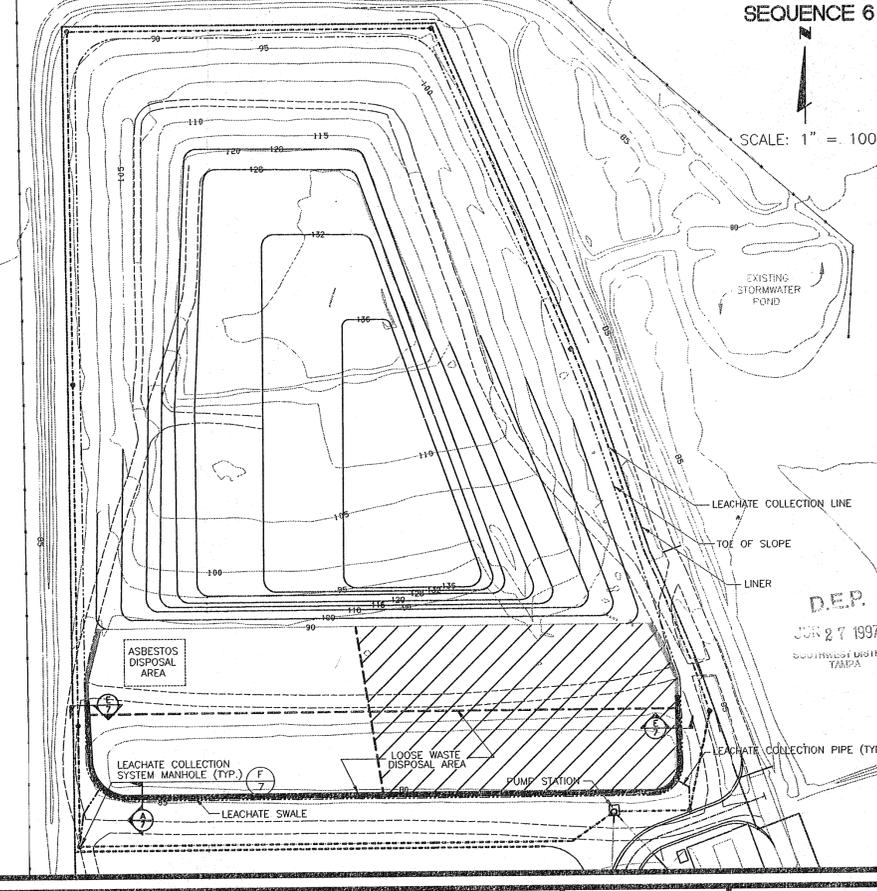
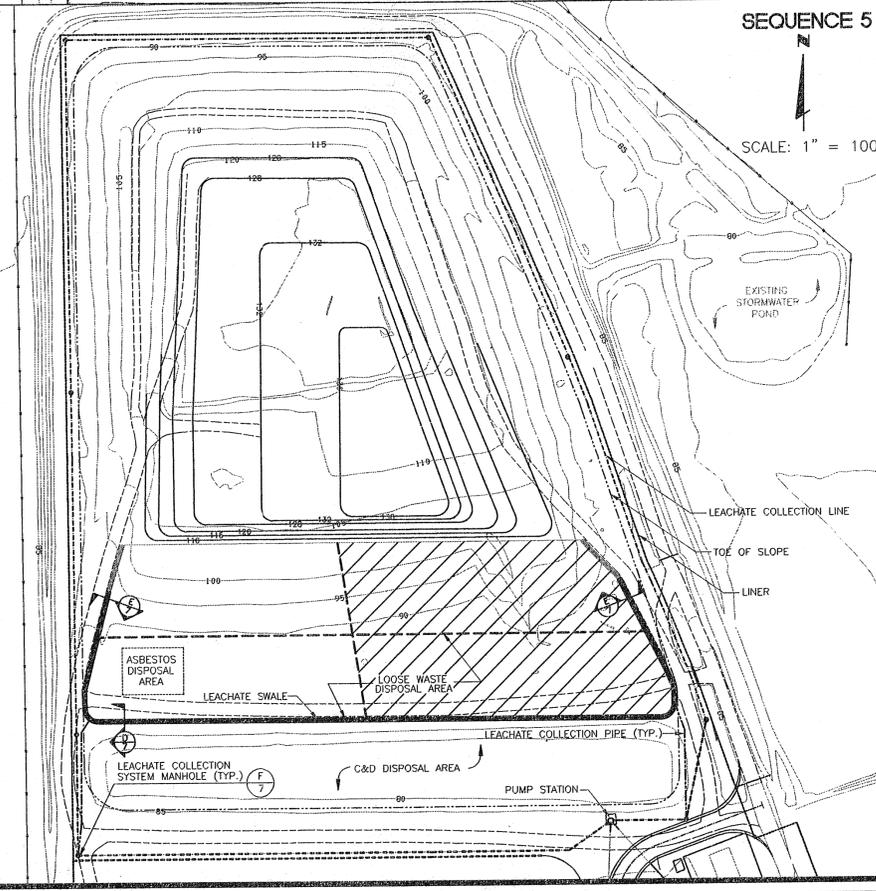
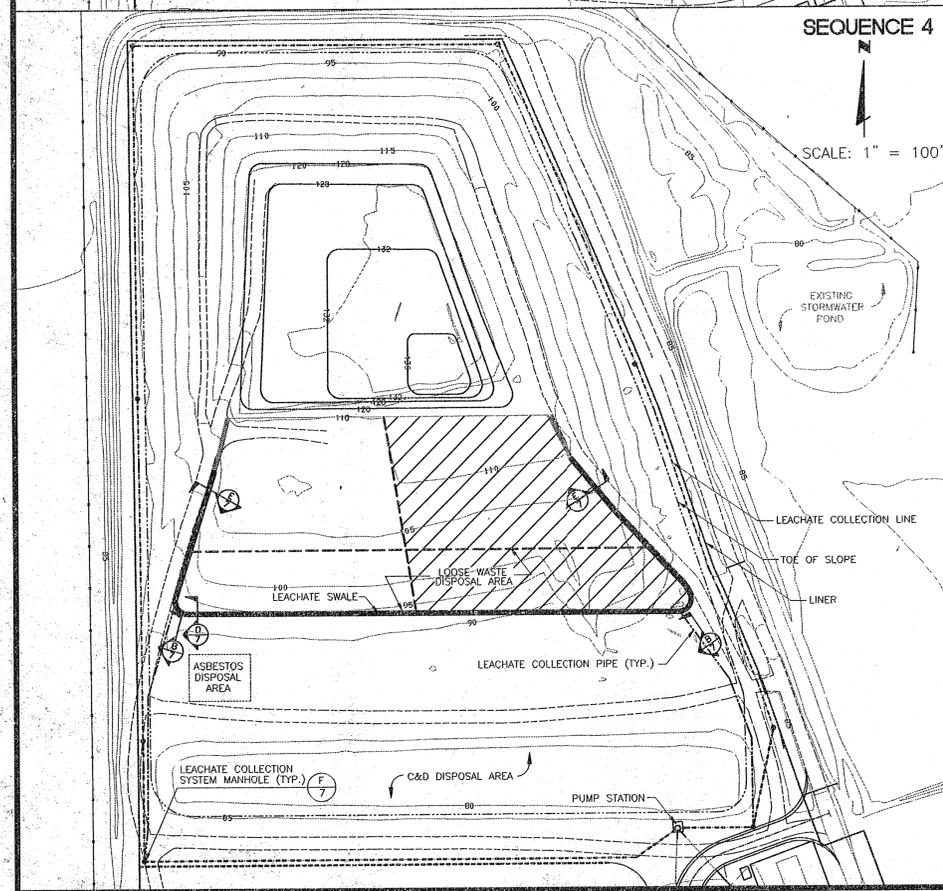
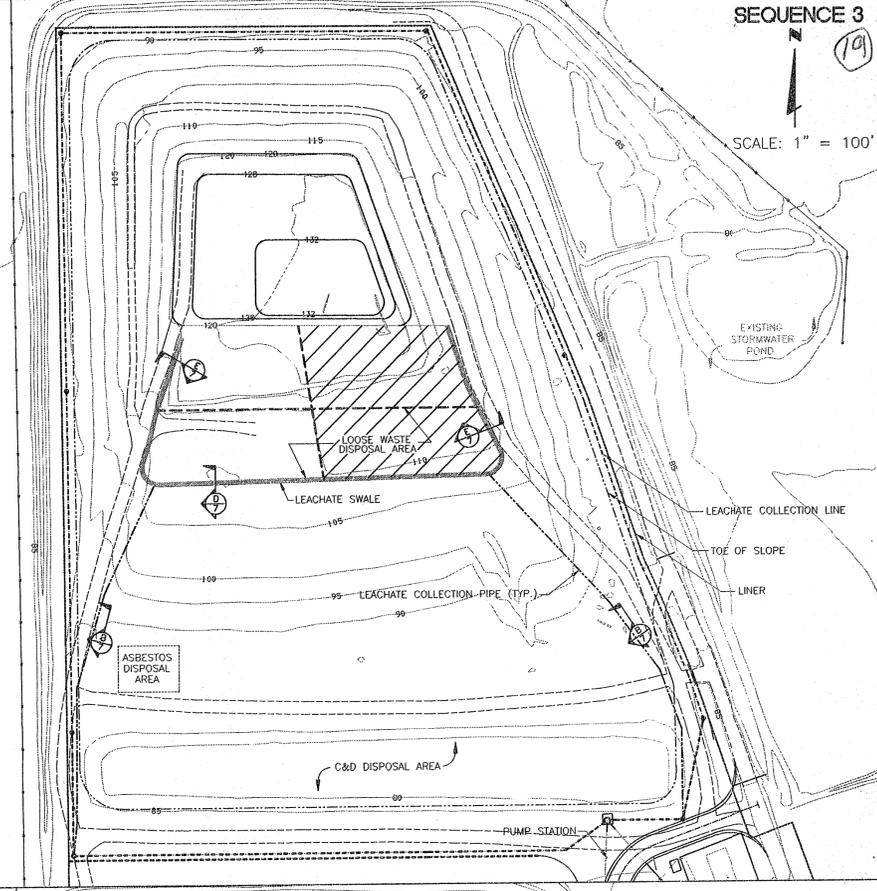
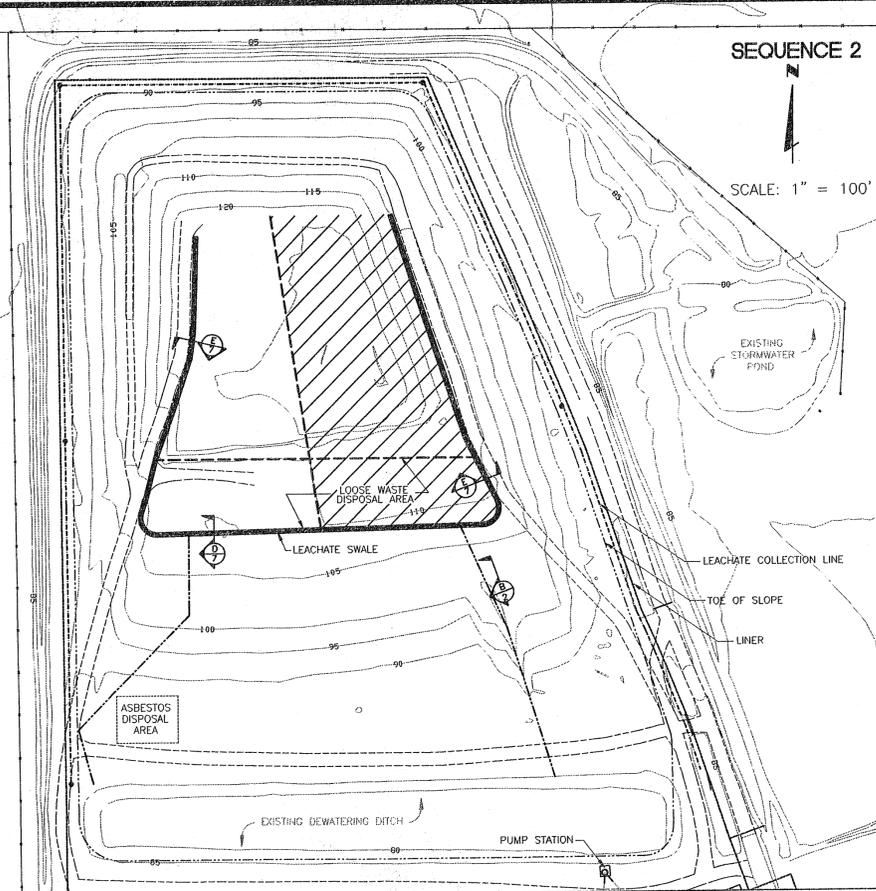
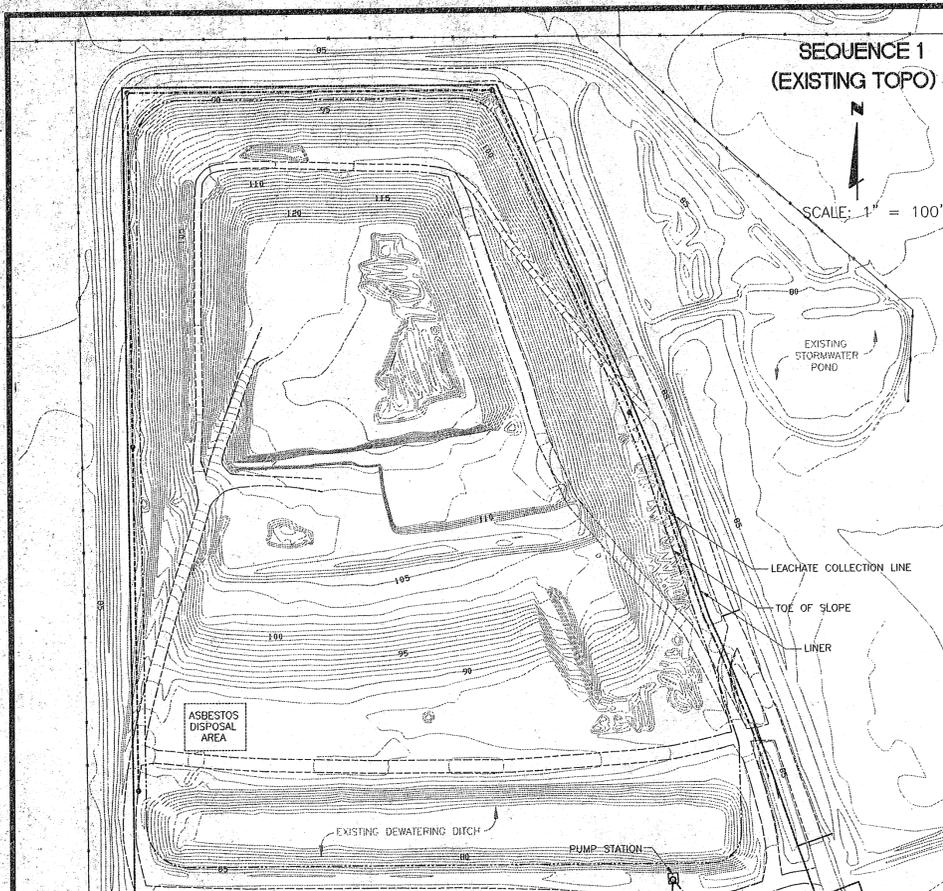
TASK  
**GAS MANAGEMENT SYSTEM**  
AND MISCELLANEOUS DETAILS  
AT CLOSURE

ORIGINAL JAN. 1996  
REVISIONS:  
1. R.A.I. #1 APRIL 1997  
2. R.A.I. #2 JUNE 1997  
3. R.A.I. #3 AUG. 1997

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JOB NO. 07-862.31  
DRAWN MM  
DESIGN MM  
CHECKED REM  
O.C. SBL  
SHEET 5/5



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 11/15/97  
 AutoCAD 13  
 February 13



CLIENT  
**HARDEE COUNTY**  
**BOARD OF COUNTY COMMISSIONERS**

PROJECT  
**HARDEE COUNTY REGIONAL LANDFILL**

TASK  
**SEQUENCING PLAN**  
**SEQUENCE 1**  
**THROUGH**  
**SEQUENCE 6**

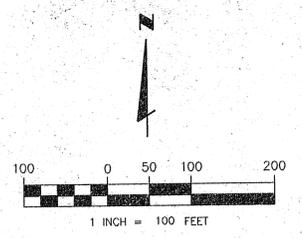
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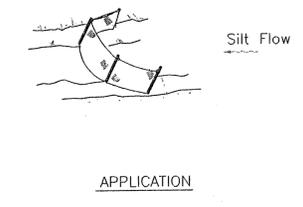
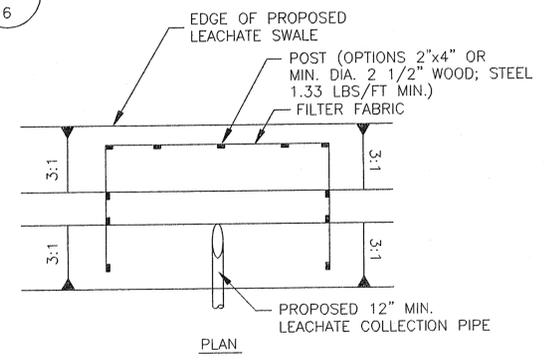
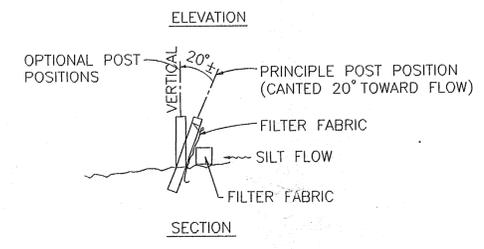
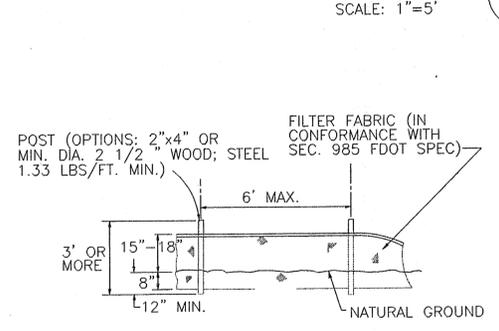
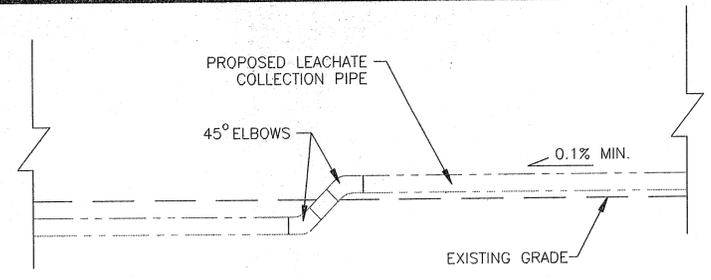
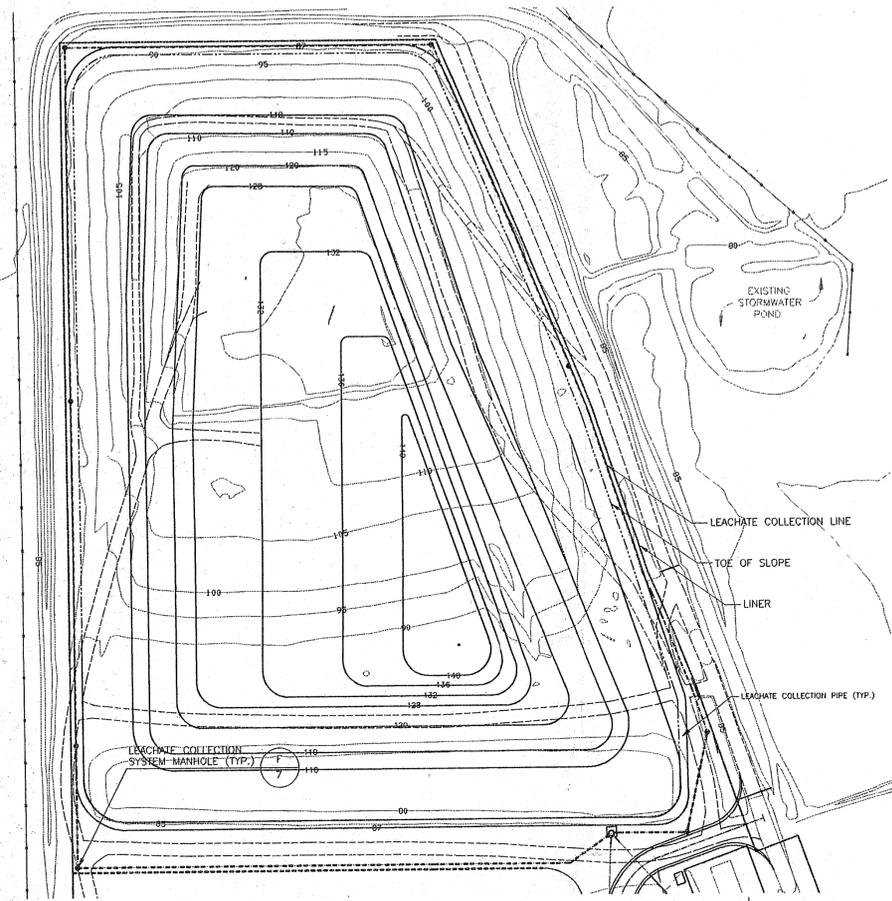
JOB NO. 07-862  
 DRAWN MM  
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**SHEET 6**

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 JUN 27 1997  
 SOUTH FLORIDA  
 TALLAHASSEE

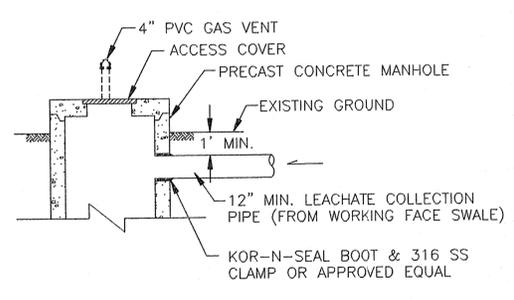
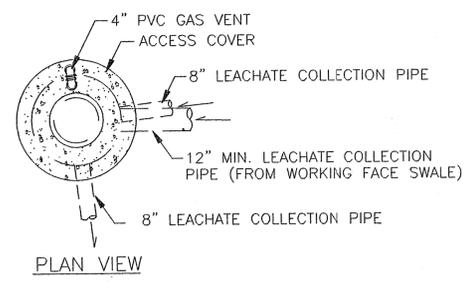
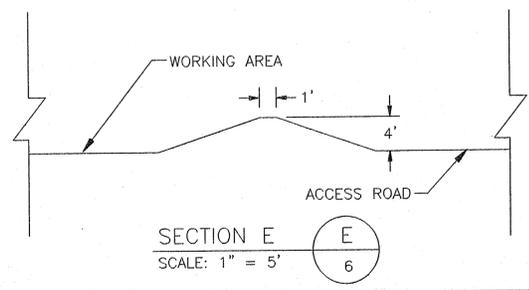
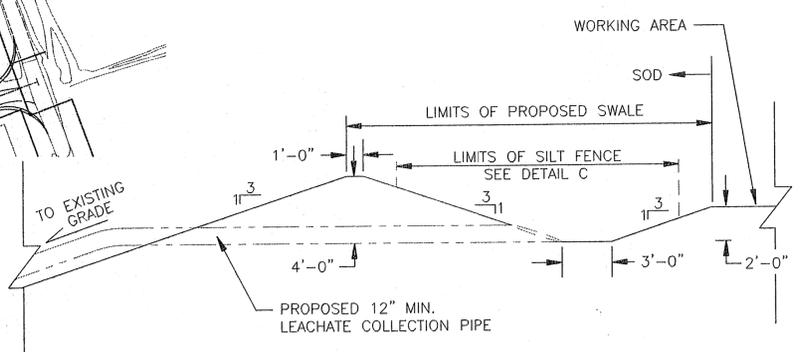
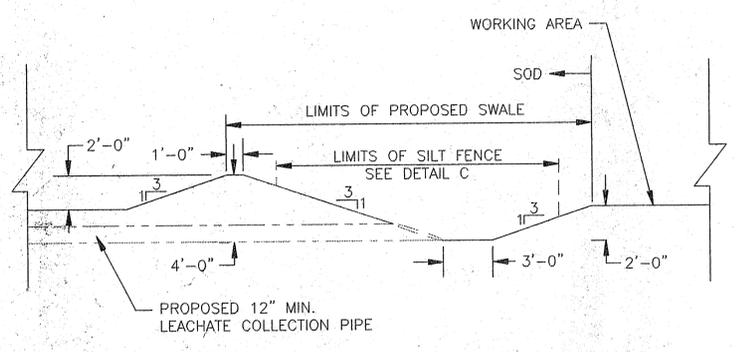


- LEGEND:**
- STORMWATER FLOW DIRECTION
  - FINAL DESIGN CONTOURS
  - PROPOSED OPERATIONAL CONTOURS
  - PROPOSED LEACHATE COLLECTION PIPES
  - EXISTING CONTOURS
  - EXISTING ACCESS ROADS
  - EXISTING FENCE

**SEQUENCE 7  
(FINAL BUILDOUT)**



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



**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**

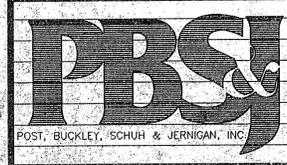
1. WHEN LANDFILL FILLED TO FINAL DESIGN ELEVATIONS, REMOVE WORKING AREA SWALE, BERMS AND CORRESPONDING LEACHATE COLLECTION PIPES. SEAL STUB OUT CONNECTION TO SYSTEM MANHOLES. BEGIN FINAL CLOSURE ACTIVITIES.

D.E.P.

JUN 27 1997

TAMPA

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CLIENT  
**HARDEE COUNTY**  
**BOARD OF COUNTY COMMISSIONERS**

PROJECT  
**HARDEE COUNTY REGIONAL LANDFILL**

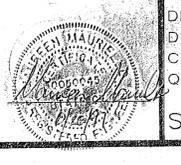
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**SEQUENCE 7**  
**AND**  
**DETAILS**

ORIGINAL **JUNE 1997**

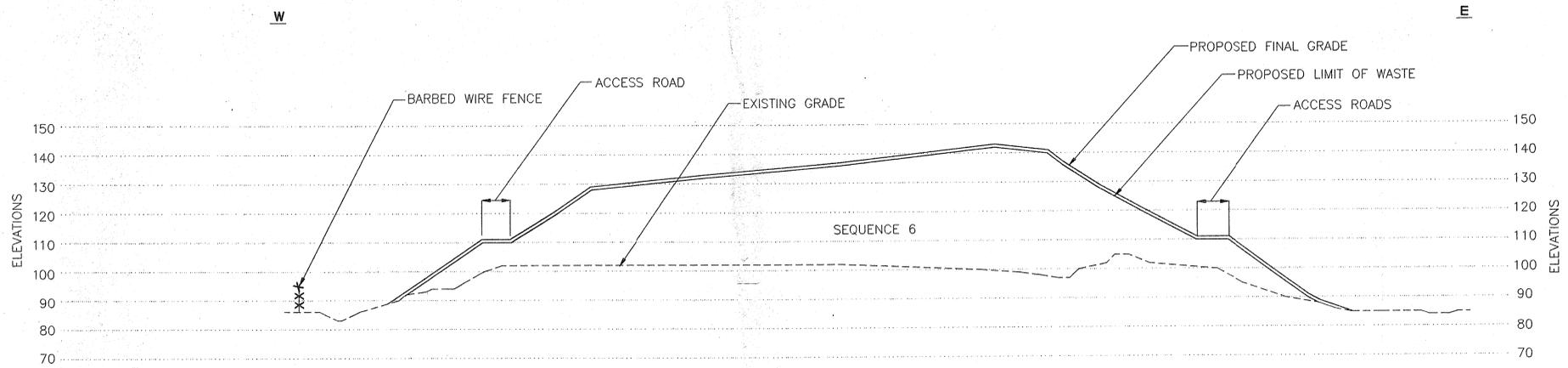
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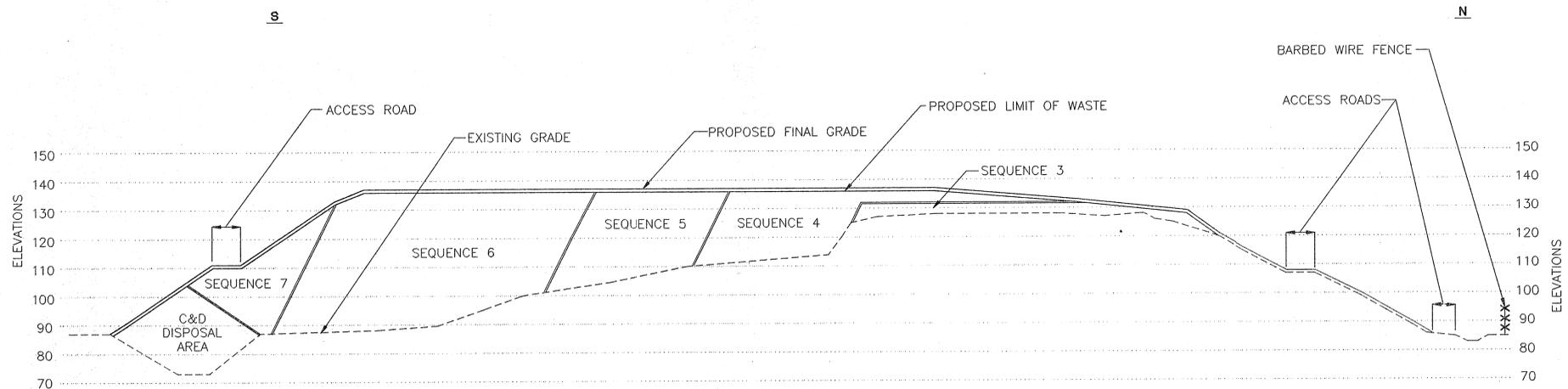
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Q.C. JF  
**SHEET 7**



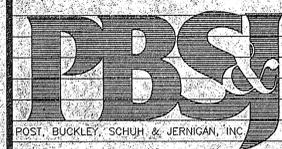
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 VERTICAL 1"=25"



NORTH-SOUTH CROSS SECTION **B**  
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 VERTICAL 1"=25"

D.E.P.  
 JUN 27 1997

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 AutoCAD Release 13



CLIENT **HARDEE COUNTY**  
**BOARD OF COUNTY COMMISSIONERS**

PROJECT **HARDEE COUNTY REGIONAL LANDFILL**

TASK **CROSS SECTIONS**

ORIGINAL **MAY 1997**

REVISIONS:

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

