

LANGLOTH BOREHOLE
 WETLAND PROJECT
 SMITH TOWNSHIP
 WASHINGTON COUNTY, PA

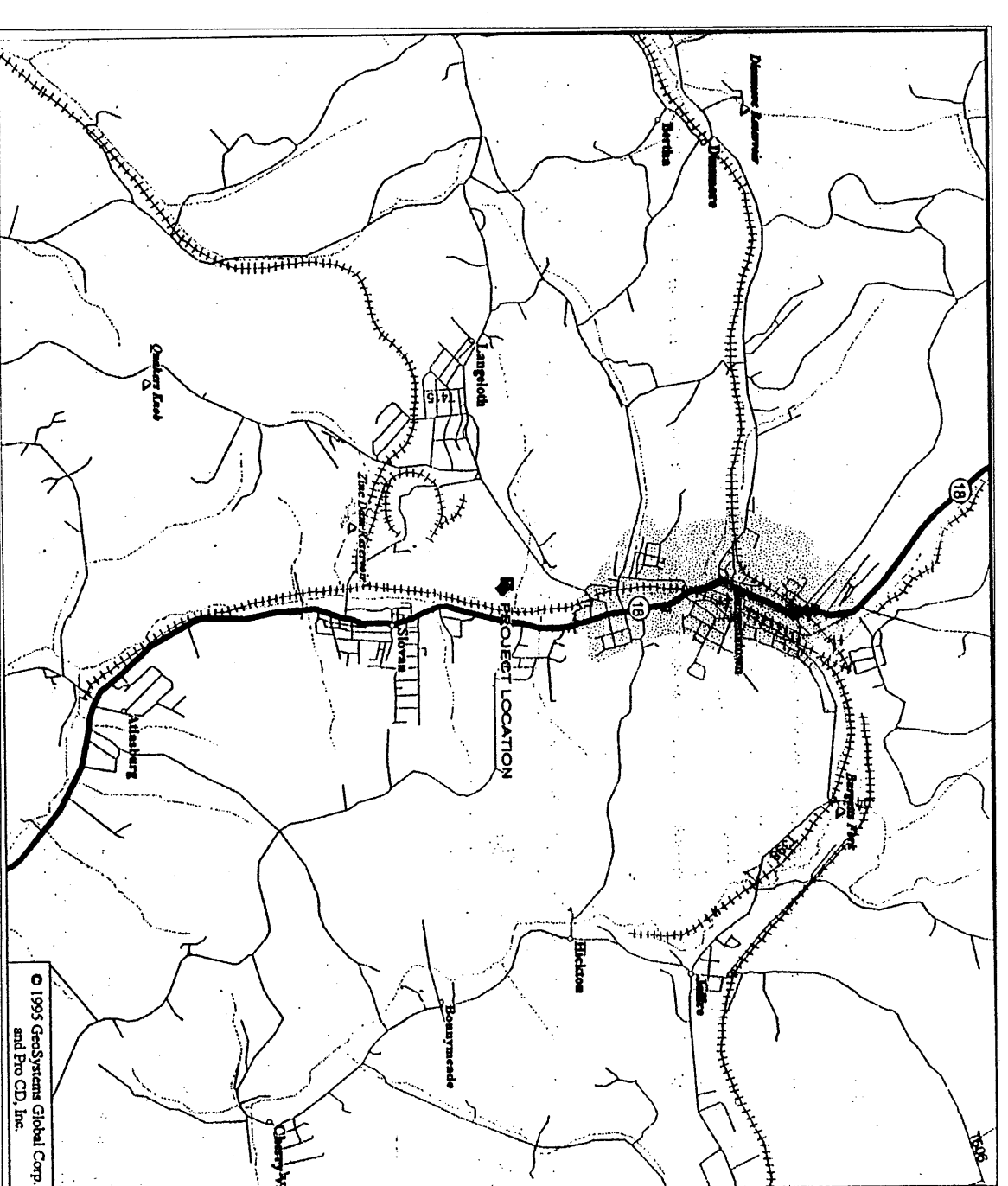
Sponsored By
 WESTERN PENNSYLVANIA CONSERVANCY
 and the
 WASHINGTON COUNTY CONSERVATION DISTRICT

Funded By
 WESTERN PA. COALITION FOR ABANDONED MINE RECLAMATION

through the
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 and
 U.S. ENVIRONMENTAL PROTECTION AGENCY Section 319
 FEDERAL CLEAN WATER ACT

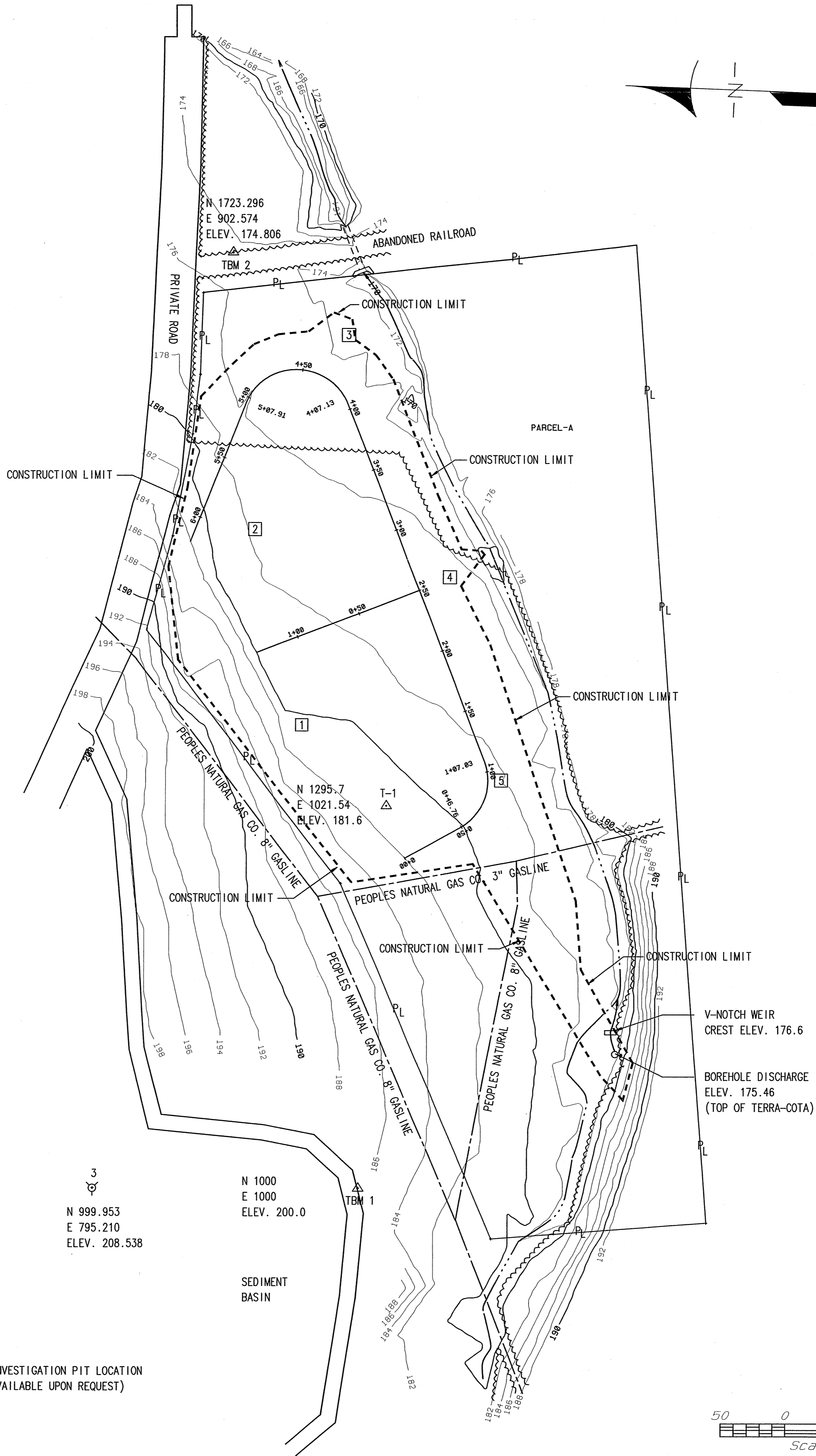
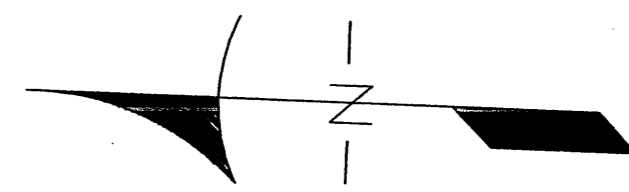
Prepared By
 UNITED STATES DEPARTMENT OF AGRICULTURE
 NATURAL RESOURCES CONSERVATION SERVICE

1998



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1. COVER SHEET
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LANGLOTH BOREHOLE	
SMITH TOWNSHIP, WASHINGTON COUNTY, PENNSYLVANIA	
COVER SHEET	
U. S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	
Designed by G. KROTZER	Date 1/98
Drawn by G. KROTZER	1/98
Traced by G. SKOVIRAN	4/98
Checked by G. SKOVIRAN	4/98
Sheet No. 1 of 8	Drawing No. A3PA0003



☐ — INDICATES SOIL INVESTIGATION PIT LOCATION
(SOIL LOG DATA AVAILABLE UPON REQUEST)

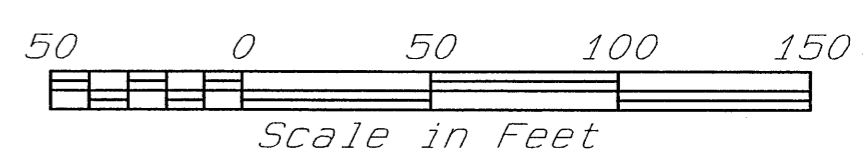
CONSTRUCTION NOTES:

- IT IS THE DUTY OF THE CONTRACTORS TO COMPLY WITH THE PROVISIONS OF PENNSYLVANIA ACT 187 (1996) BEFORE PERFORMING ANY EXCAVATION WORK. THE PA ONE CALL UTILITY CHECK SERIAL NUMBER FOR DESIGN IS 2750149. THE TOLL FREE NUMBER OF THE ONE CALL SYSTEM IS 1-800-242-1776.

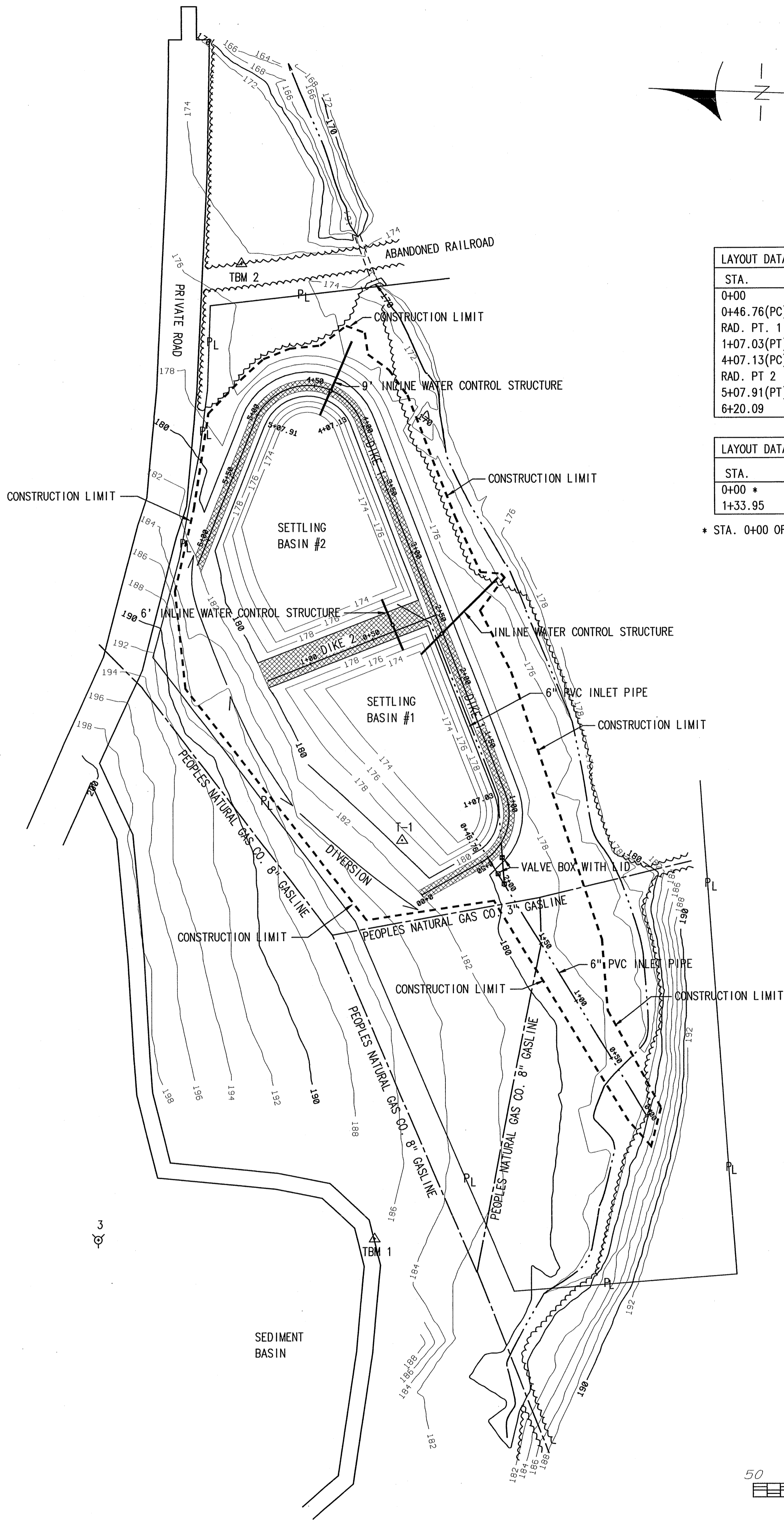
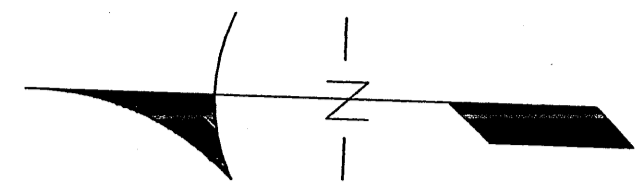
BELL ATLANTIC
PITTSBURGH ENGINEERING
201 STANWIX ST., 10TH FLOOR
PITTSBURGH, PA 15222
(412) 633-4268

PEOPLES NATURAL GAS CO.
1315 GRINGO ROAD
ALIQIPPA, PA 15001
(412) 378-0055

P-F AREA WATER ASSOCIATION
BOX 146H, R.D.#1
BURGETTSTOWN, PA 15021
(412) 947-9109



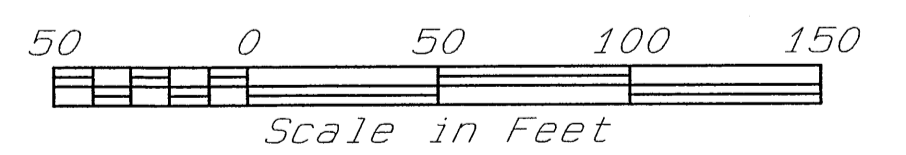
LANGLOTH BOREHOLE SMITH TOWNSHIP, WASHINGTON COUNTY, PENNSYLVANIA			
EXISTING PLAN VIEW			
U. S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			
Designed	G. KROTZER	Date	1/98
Drawn	G. KROTZER	Title	
Traced		Sheet	2
Checked	G. SKOVVAN	Drawing No.	A3PA0003



LAYOUT DATA: DIKE 1		
STA.	NORTHING	EASTING
0+00	1255.0	1036.0
0+46.76(PC)	1277.5955	1076.9421
RAD. PT. 1	1314.9237	1058.6067
1+07.03(PT)	1328.5908	1097.8852
4+07.13(PC)	1608.7216	990.2316
RAD. PT. 2	1590.5675	951.9304
5+07.91(PT)	1603.9636	911.7151
6+20.09	1499.9091	869.7864

LAYOUT DATA: DIKE 2		
STA.	NORTHING	EASTING
0+00 *	1462.0475	1046.5981
1+33.95	1413.997	921.5635

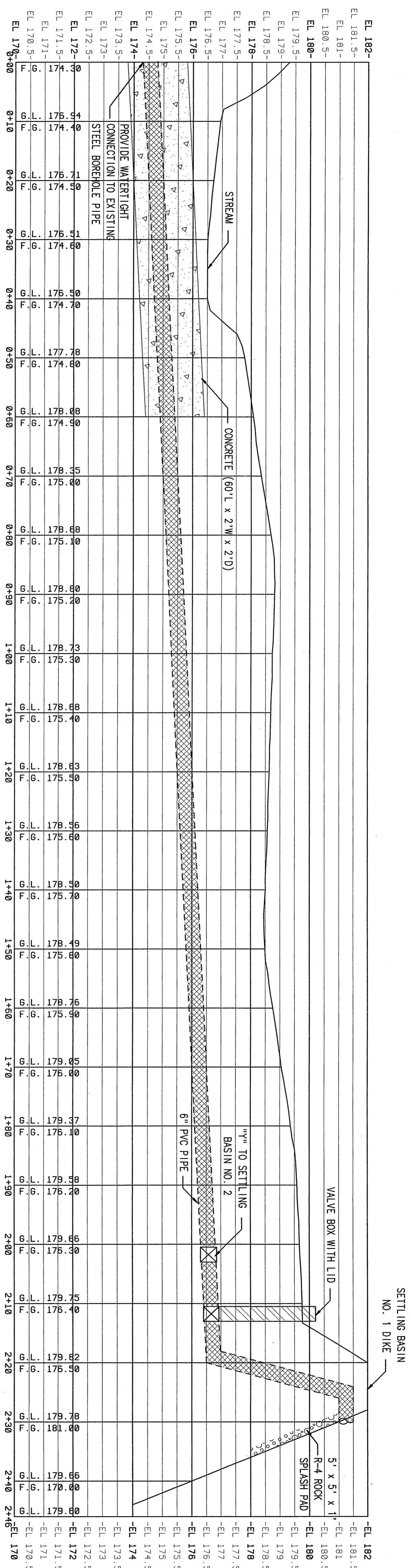
* STA. 0+00 OF DIKE 2 IS SAME AS STA. 2+50 OF DIKE 1.



CONSTRUCTION NOTES:
 1. ACCESS SHALL BE FROM PRIVATE ROAD.

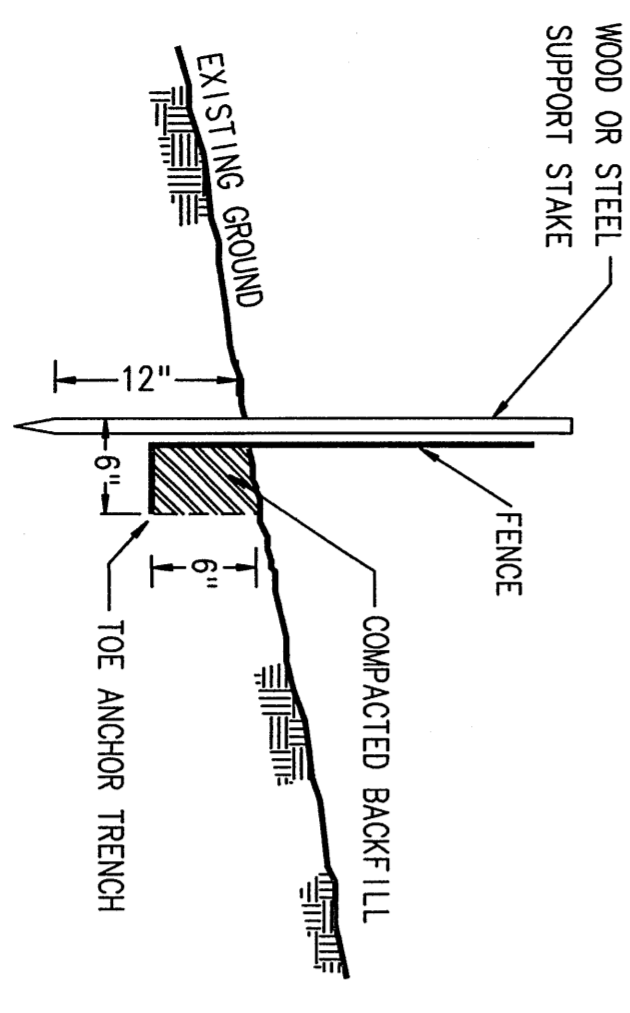
LANGLOTH BOREHOLE SMITH TOWNSHIP, WASHINGTON COUNTY, PENNSYLVANIA			
FINAL PLAN VIEW			
U. S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			
Designed	G. KROTZER	Date	1/98
Drawn	G. KROTZER	Approved by	-----
Traced	-----	Title	-----
Checked	G. SKOVVAN	Date	4/98
		Sheet	3
		of	8
		Drawing No.	A3PA0003

6" PVC PIPE INLET



PROFILE

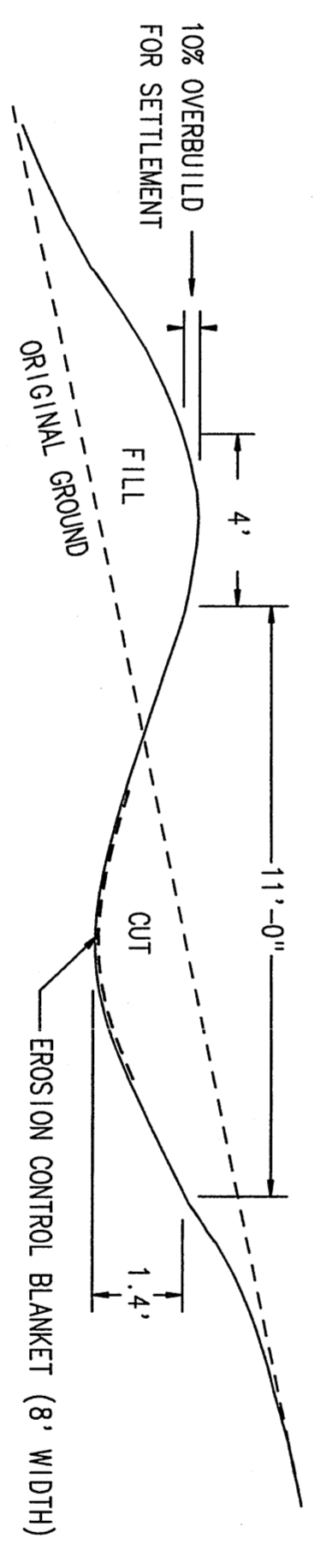
SILT FENCE DETAIL



CROSS SECTION (NOT TO SCALE)

- CONSTRUCTION NOTES:
1. THE SPACING OF SUPPORT STAKES SHALL BE 8' MAXIMUM.
 2. THE MAXIMUM FENCE HEIGHT SHALL BE 18 INCHES.
 3. THE FENCE SHALL BE PLACED ALONG THE LOWER EDGE OF CONSTRUCTION.

DIVERSION



TYPICAL CROSS SECTION (NOT TO SCALE)

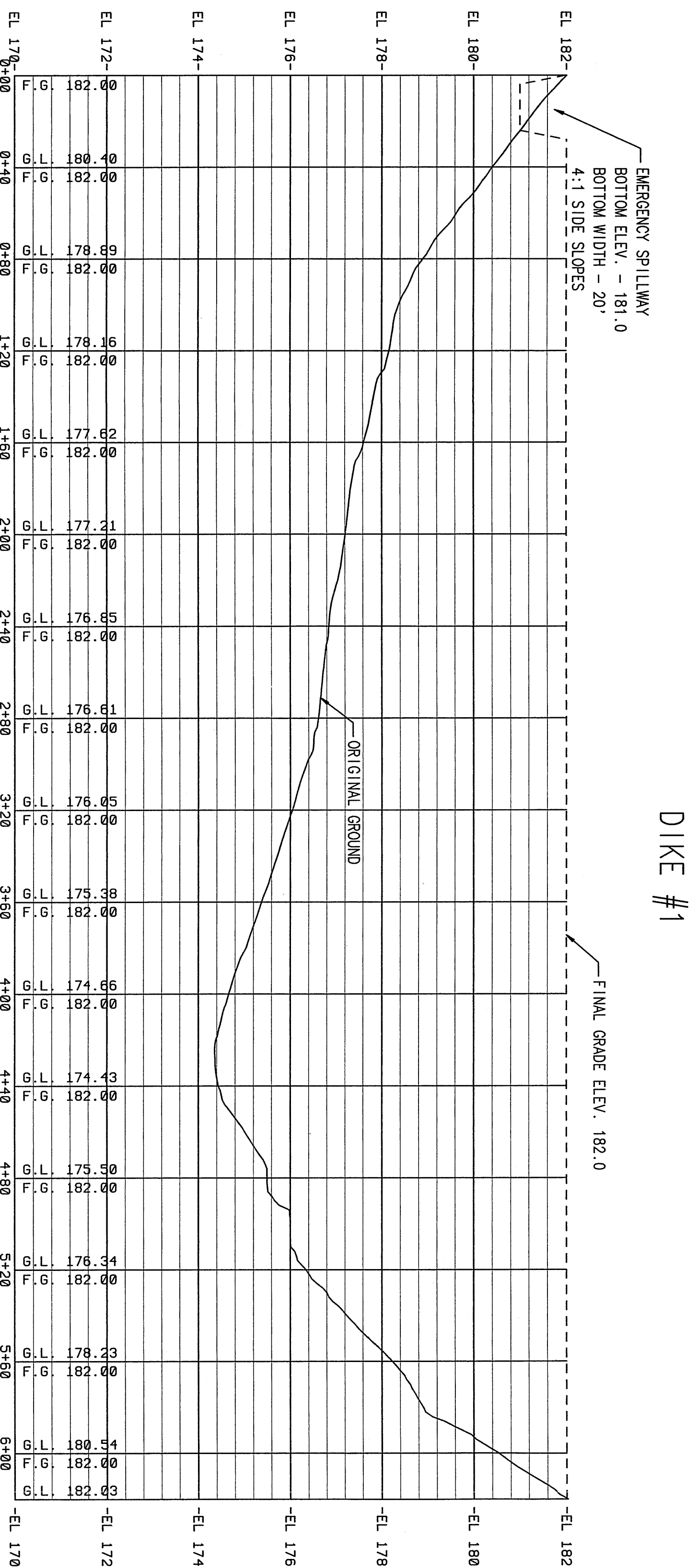
- CONSTRUCTION NOTES:
1. DIVERSION SHALL BE CONSTRUCTED ON A 1% CHANNEL GRADE.
 2. AT 1/2 THE TOP WIDTH, THE DEPTH IS EQUAL TO D/4.
 3. AT 3/4 THE TOP WIDTH, THE DEPTH IS EQUAL TO D/2.
 4. ALLOWABLE TOLERANCE IS 1.0' FOR TOP WIDTH AND 0.1' FOR DEPTH.

LANGLOTH BOREHOLE
SMITH TOWNSHIP, WASHINGTON COUNTY, PENNSYLVANIA

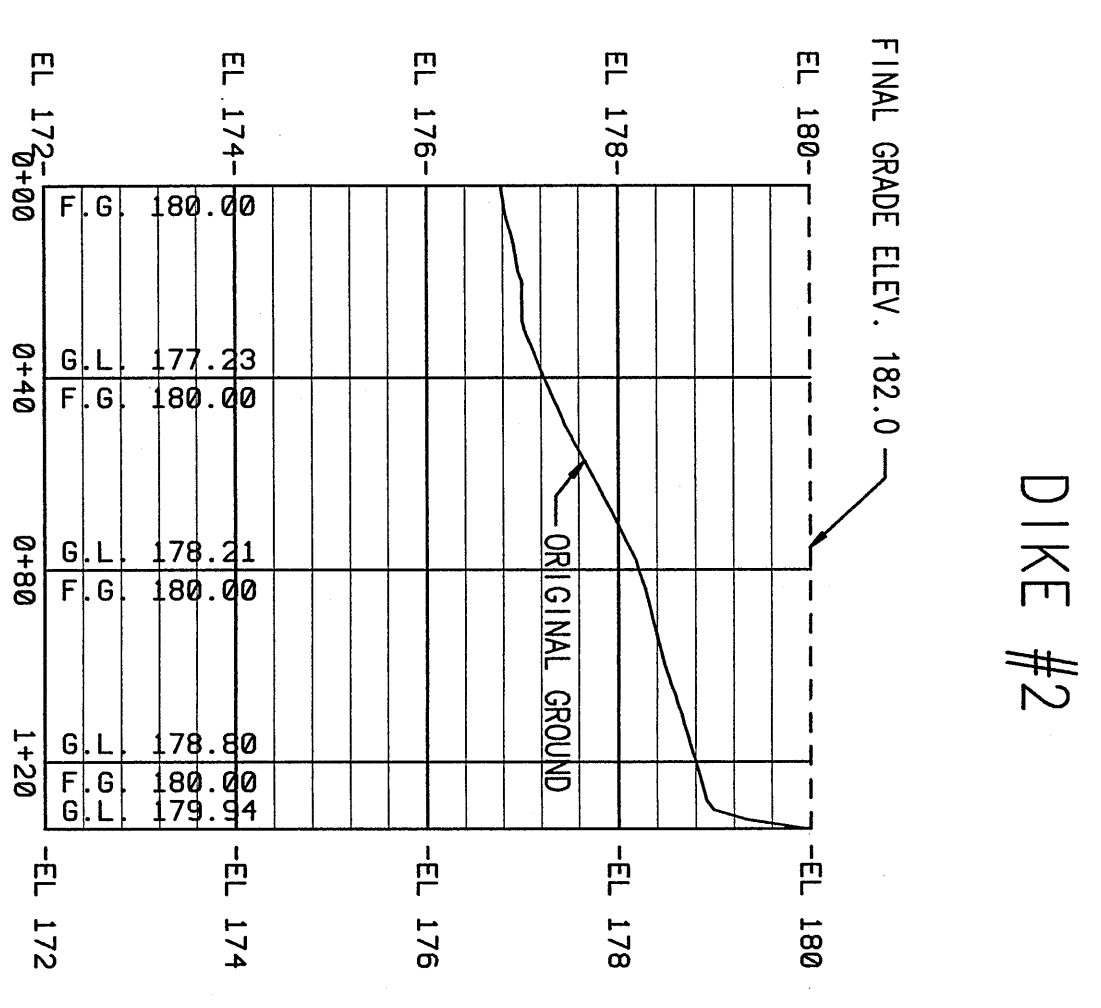
DETAILS - 6" PVC PIPE INLET, DIVERSION, SILT FENCE

U. S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

Designed by G. KROITZER	Date 1/98	Approved by _____
Drawn by G. KROITZER	Title 1/98	Sheet No. 4
Checked by G. SKOVAN	Drawing No. A3PA0003	of 8



PROFILE C/L EMBANKMENT

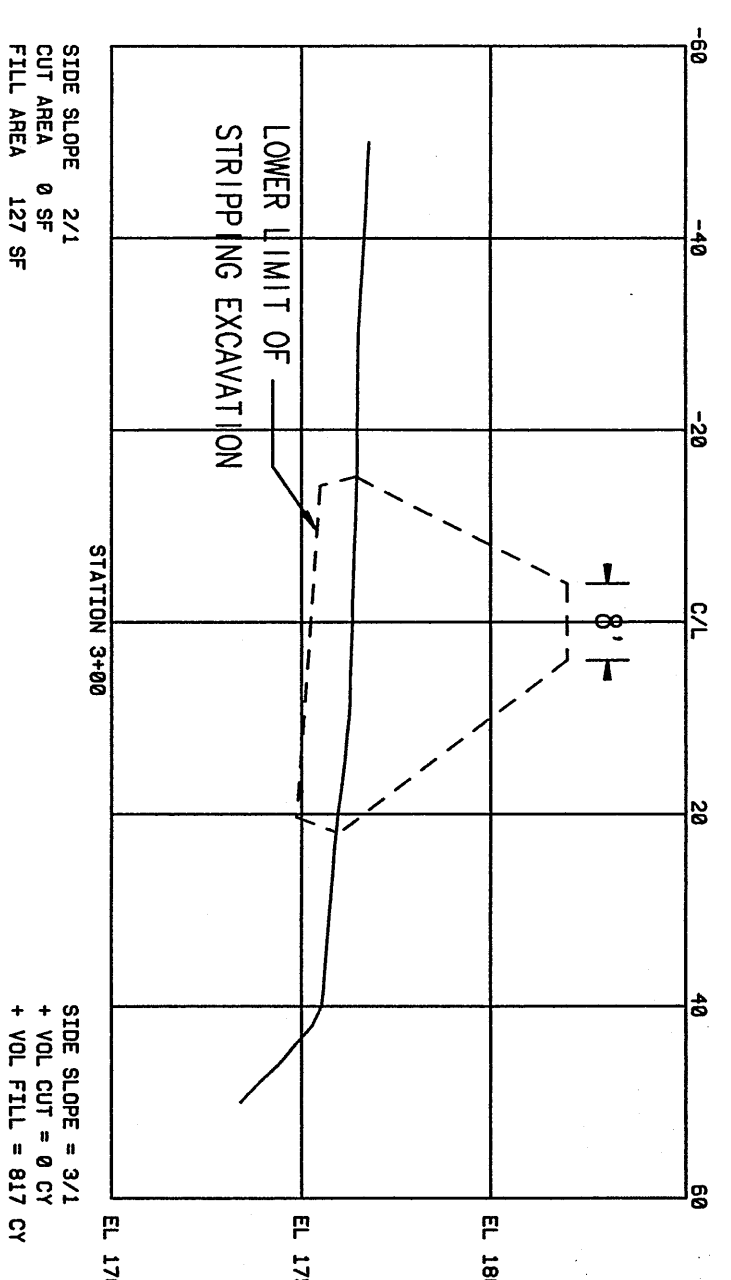
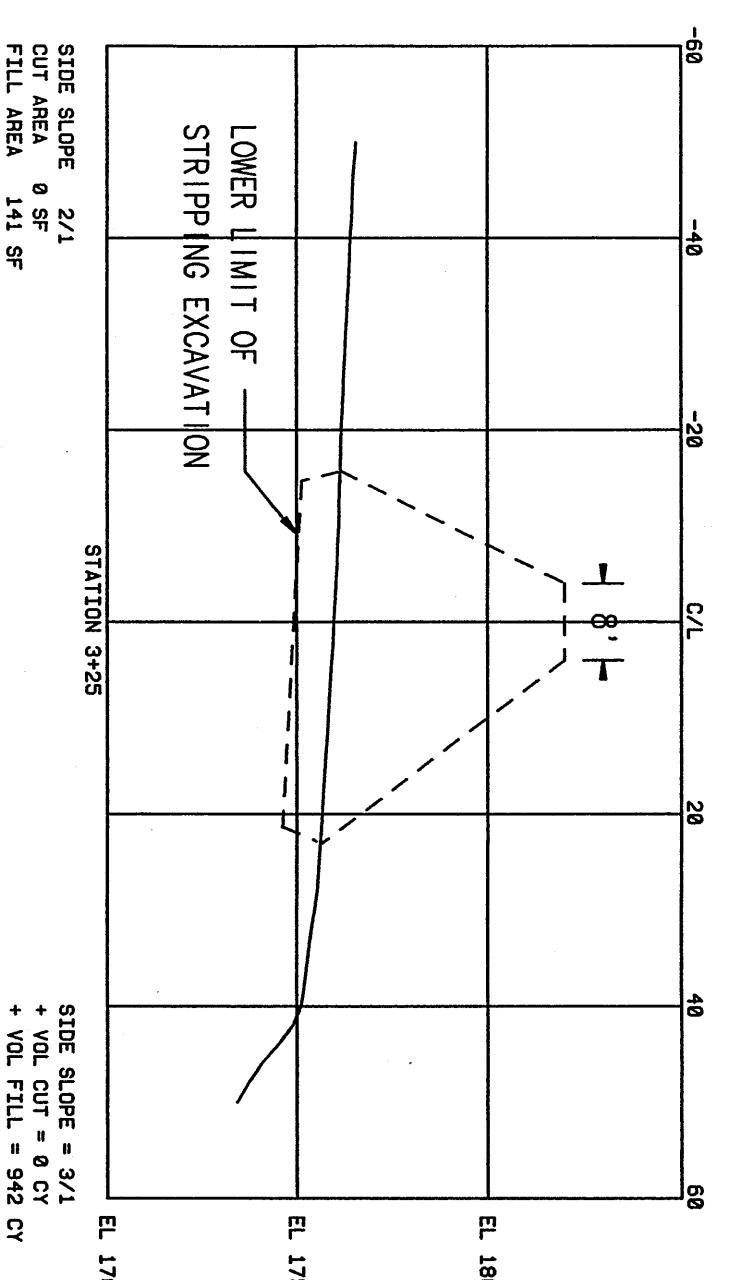
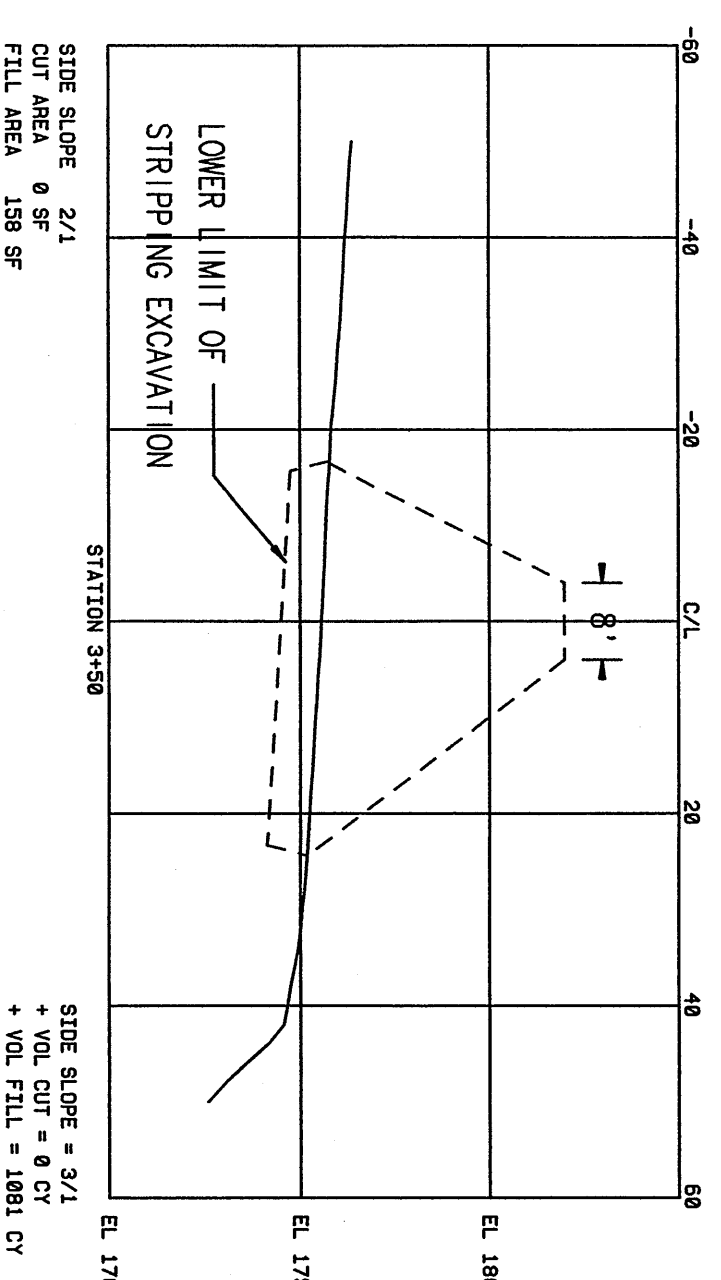
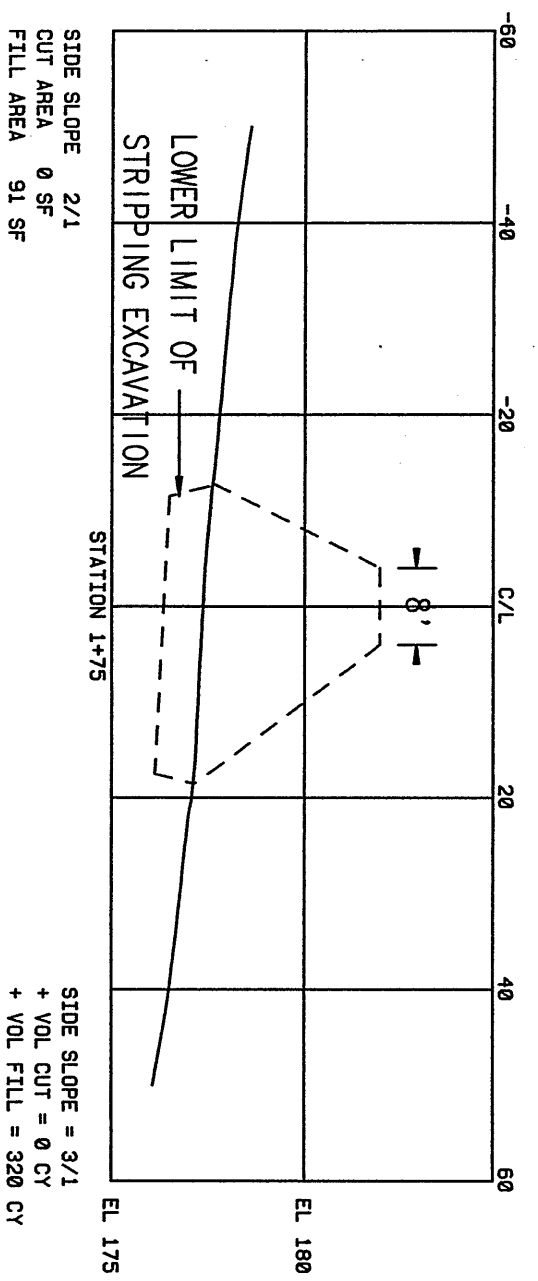
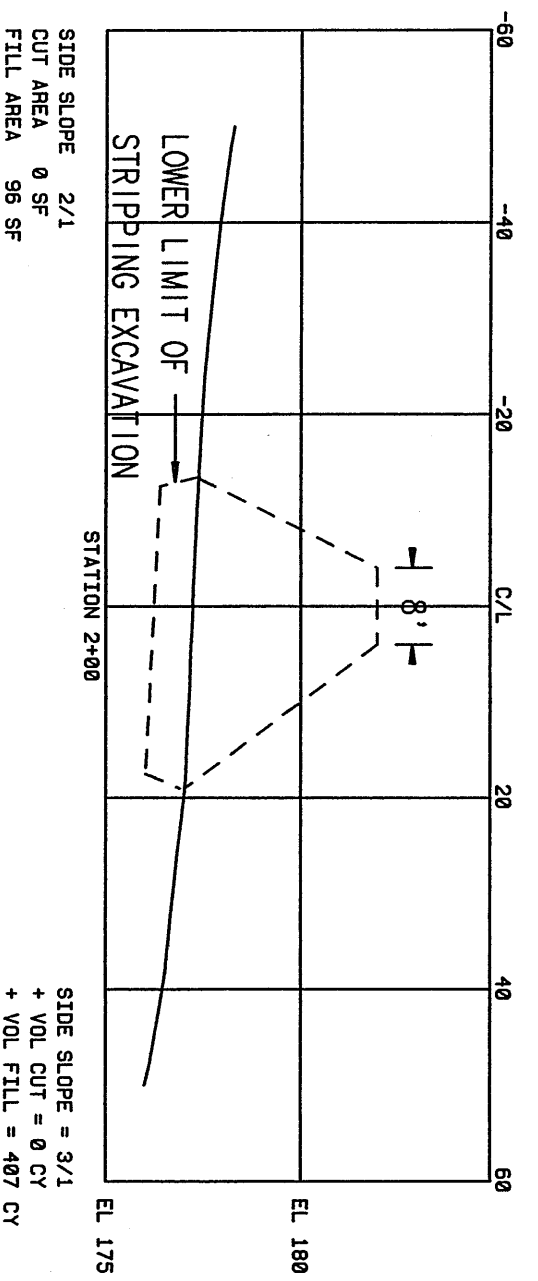
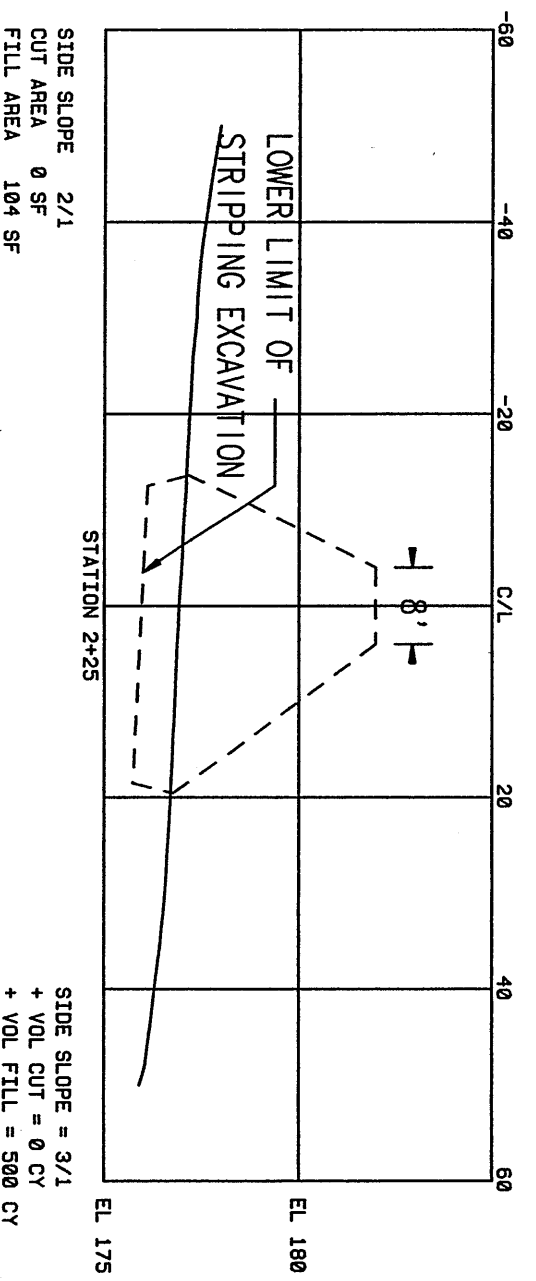
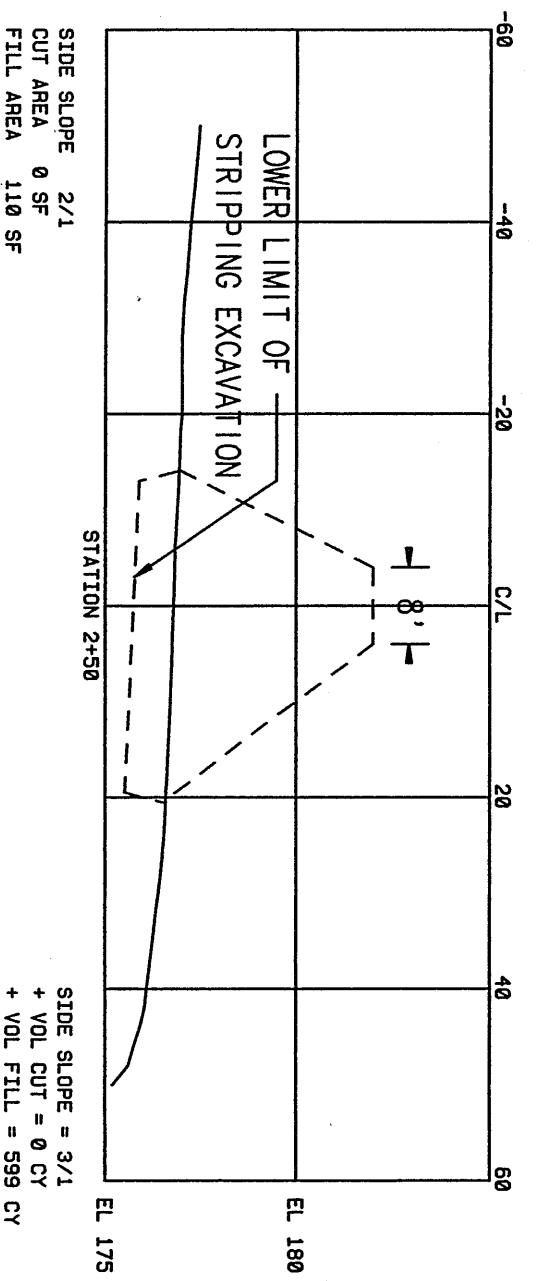
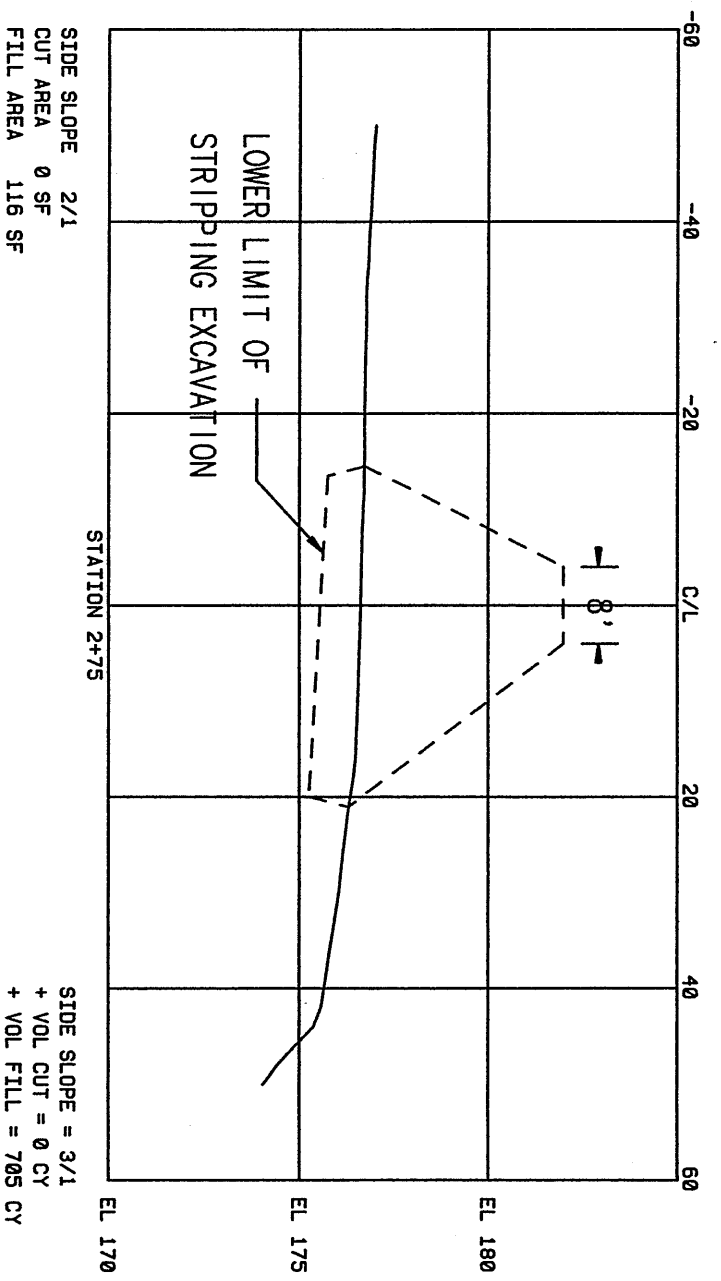
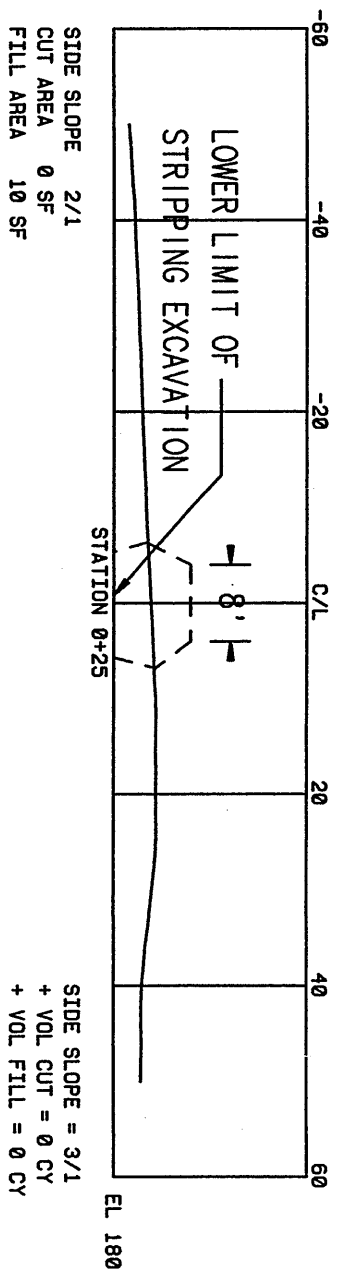
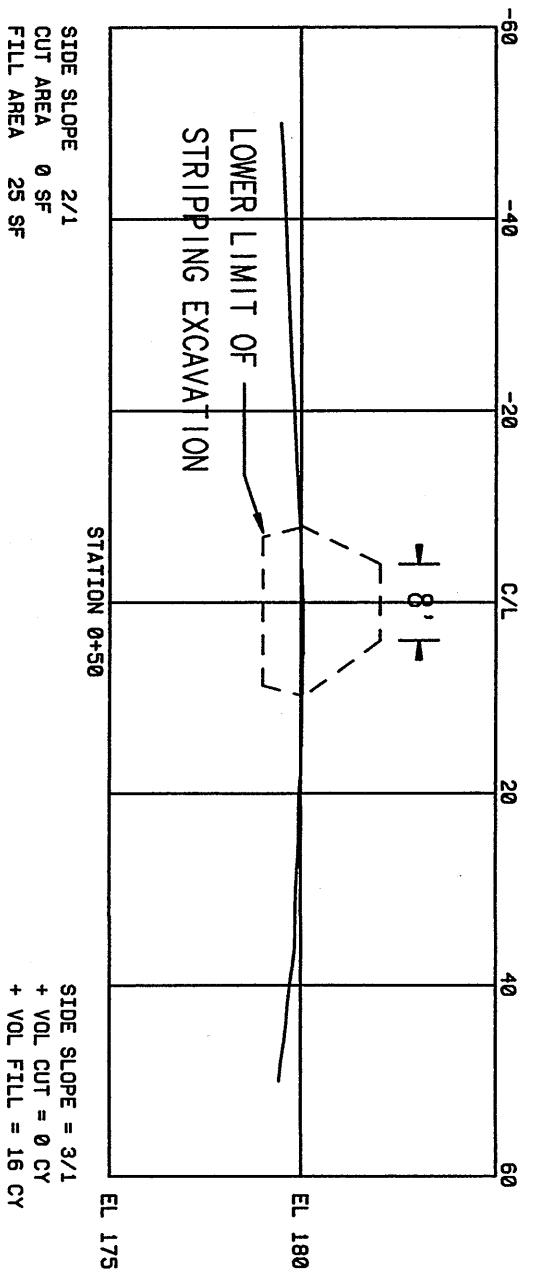
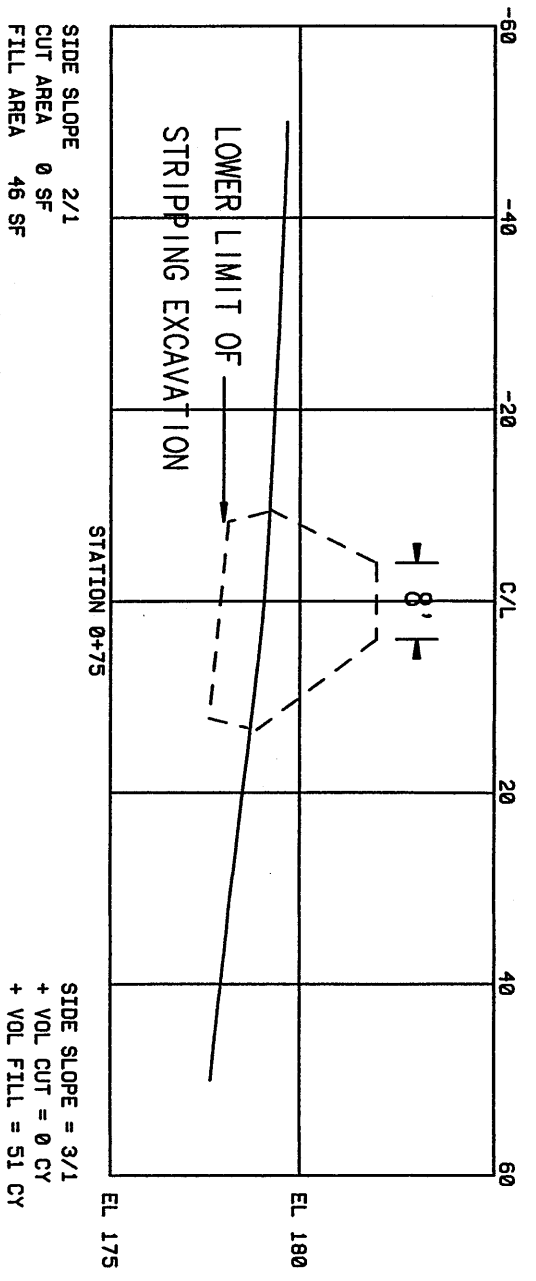
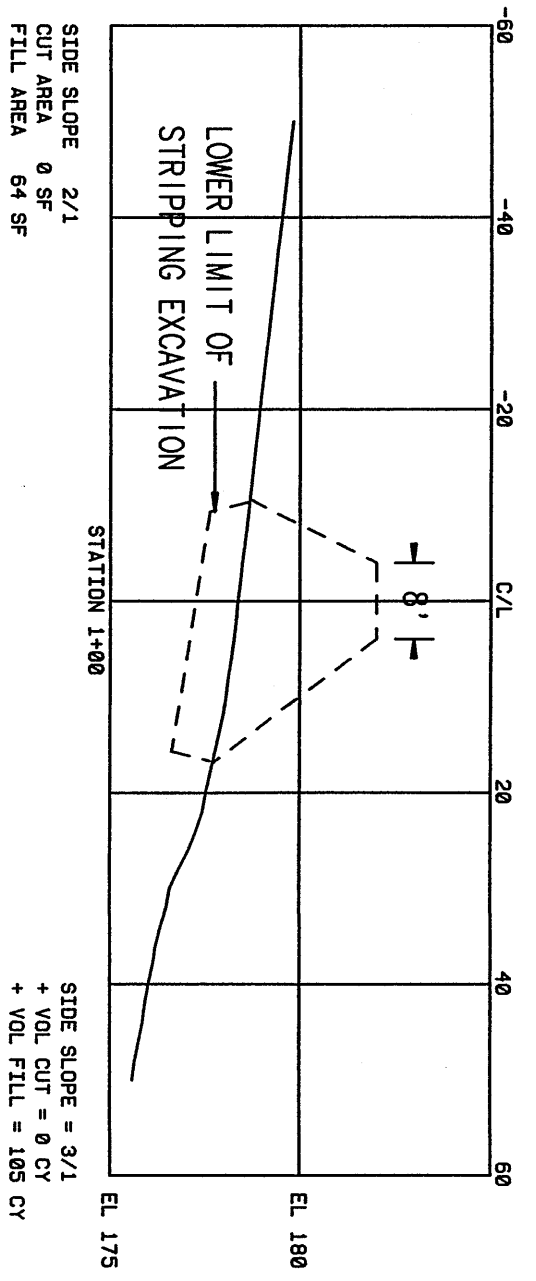
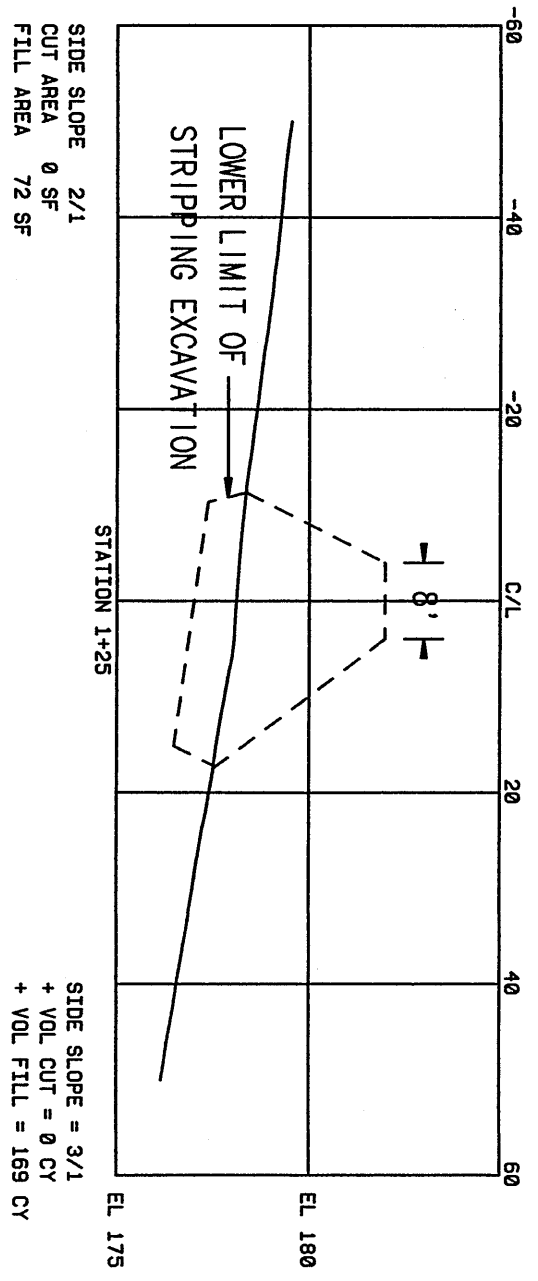
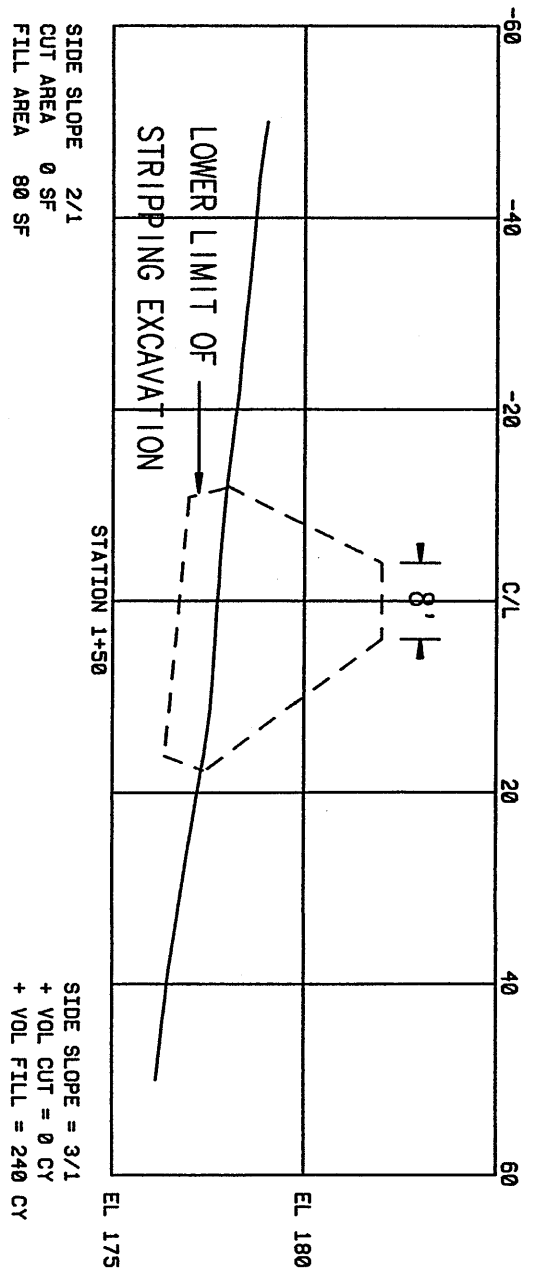


PROFILE C/L EMBANKMENT

CONSTRUCTION NOTES:

1. ADD 0.5' FOR SETTLEMENT TO FINAL GRADE.
2. STATION 0+00 OF DIKE 2 IS SAME AS STATION 2+50 OF DIKE 1.
3. EMERGENCY SPILLWAY LOCATION IS APPROXIMATE. EXACT LOCATION TO BE DETERMINED DURING CONSTRUCTION.
4. A CUTOFF TRENCH SHALL BE INSTALLED UNDER ALL EMBANKMENTS WITH A MINIMUM 8' BOTTOM WIDTH, 3' DEPTH, AND 1:1 SIDE SLOPES.

LANGLOTH BOREHOLE	
SMITH TOWNSHIP, WASHINGTON COUNTY, PENNSYLVANIA	
DIKE PROFILES	
U. S. DEPARTMENT OF AGRICULTURE	
NATURAL RESOURCES CONSERVATION SERVICE	
Designer: <u>G. KROTZER</u> Date: <u>1/98</u> Drawn: <u>G. KROTZER</u> Title: _____ Traced: _____ Sheet: <u>3</u> of <u>8</u> Checked: <u>G. SKOVRAN</u> 4/98 Drawing No: <u>A3PA0003</u>	Approved by: _____ Title: _____ _____ _____

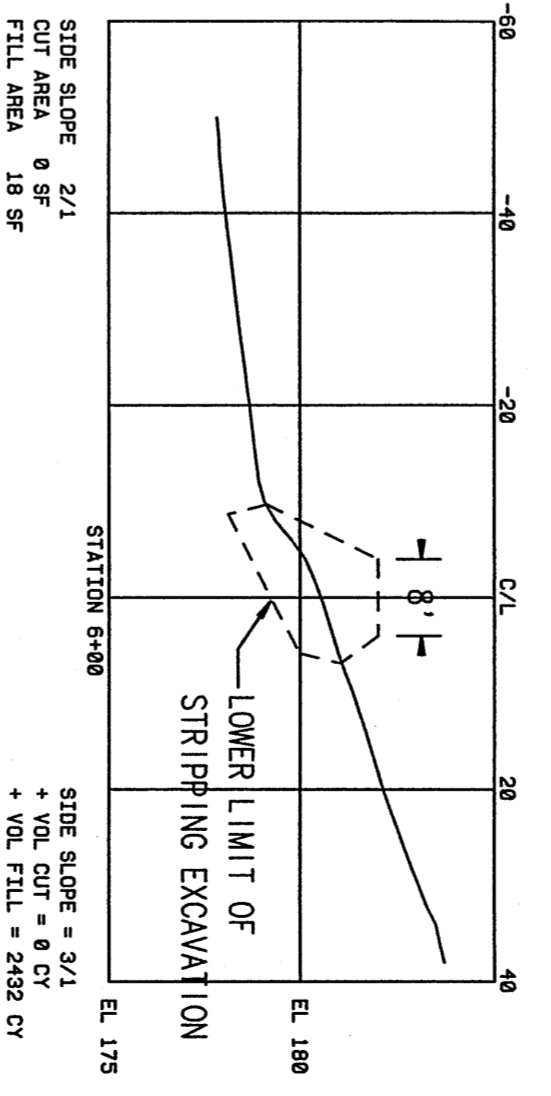
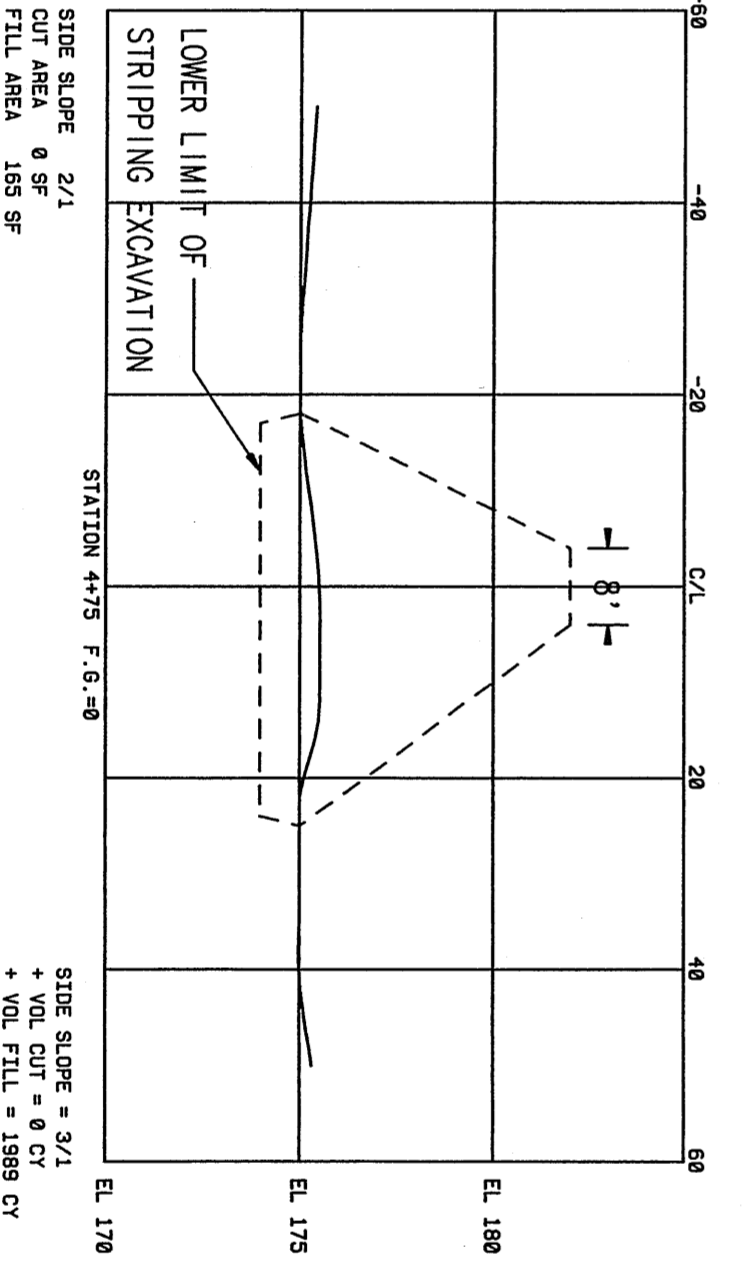
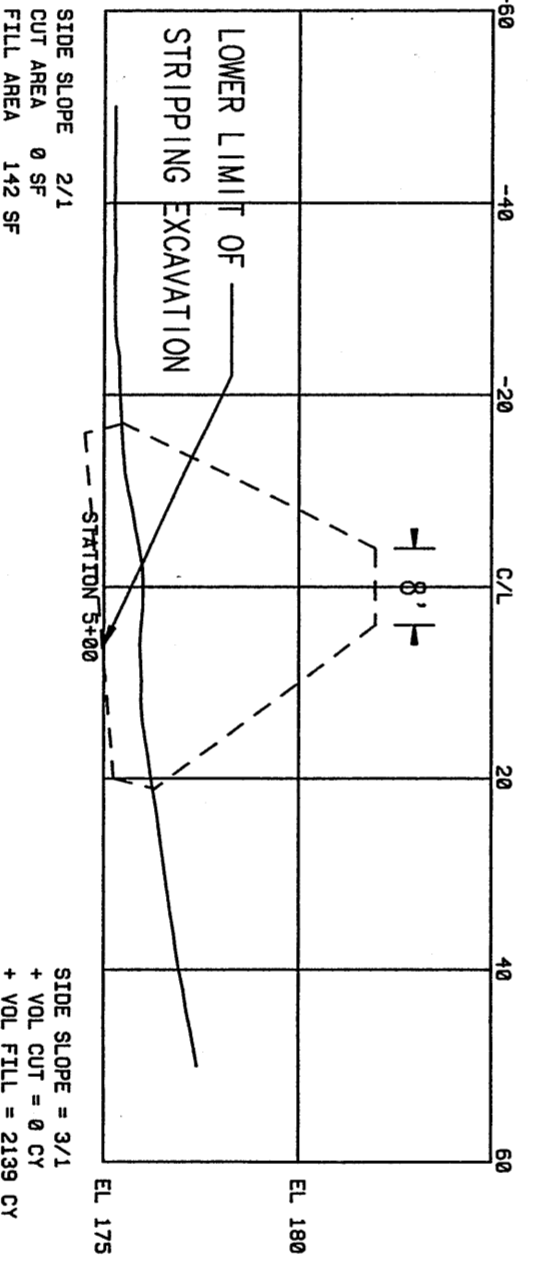
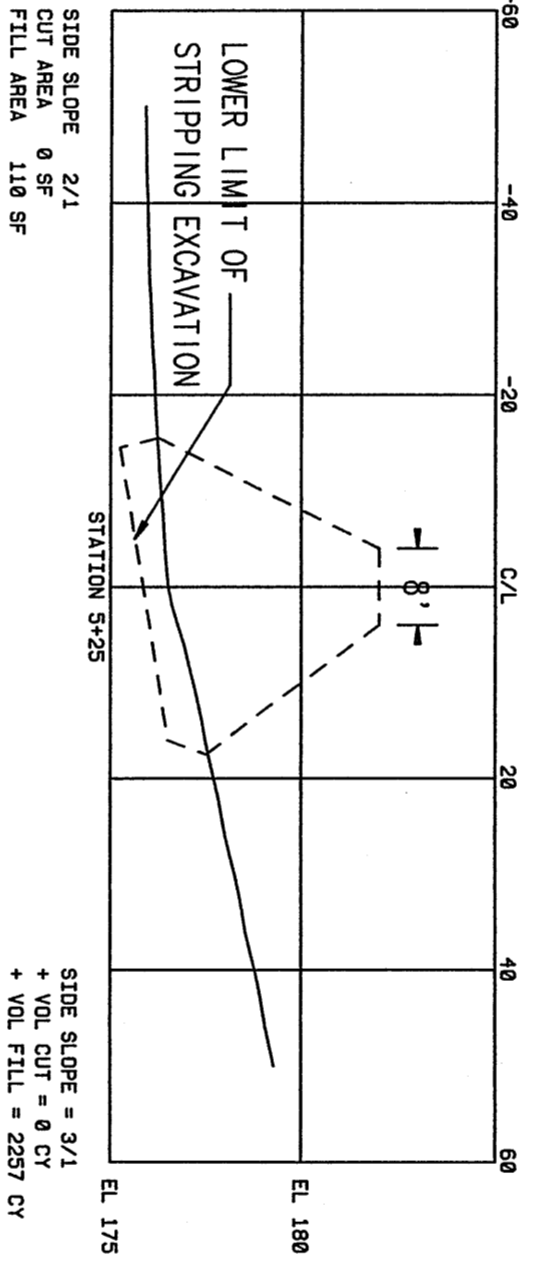
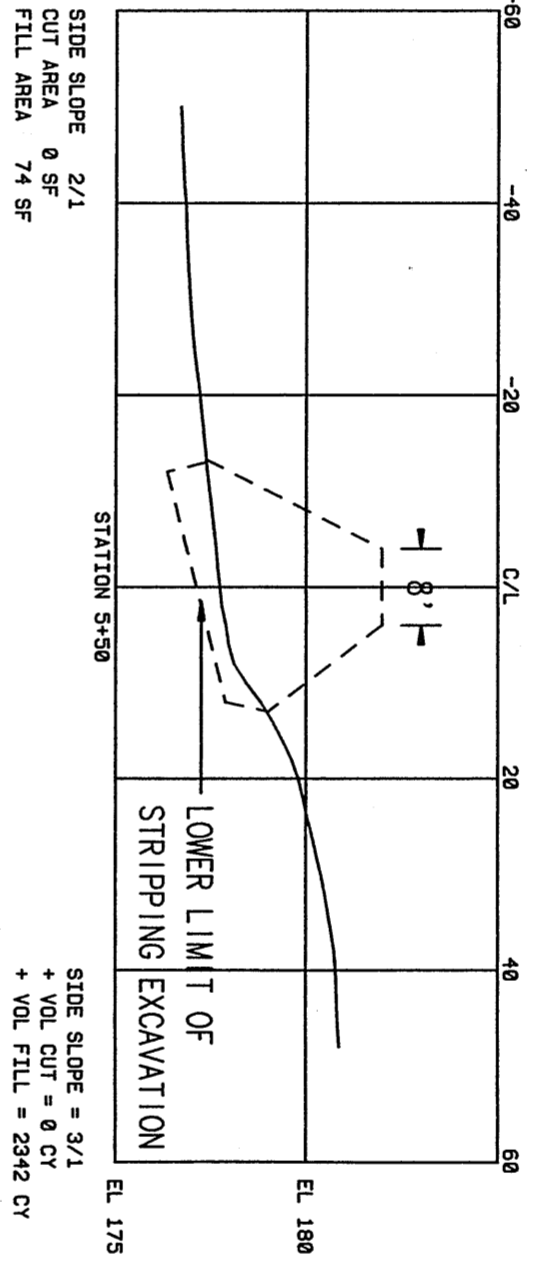
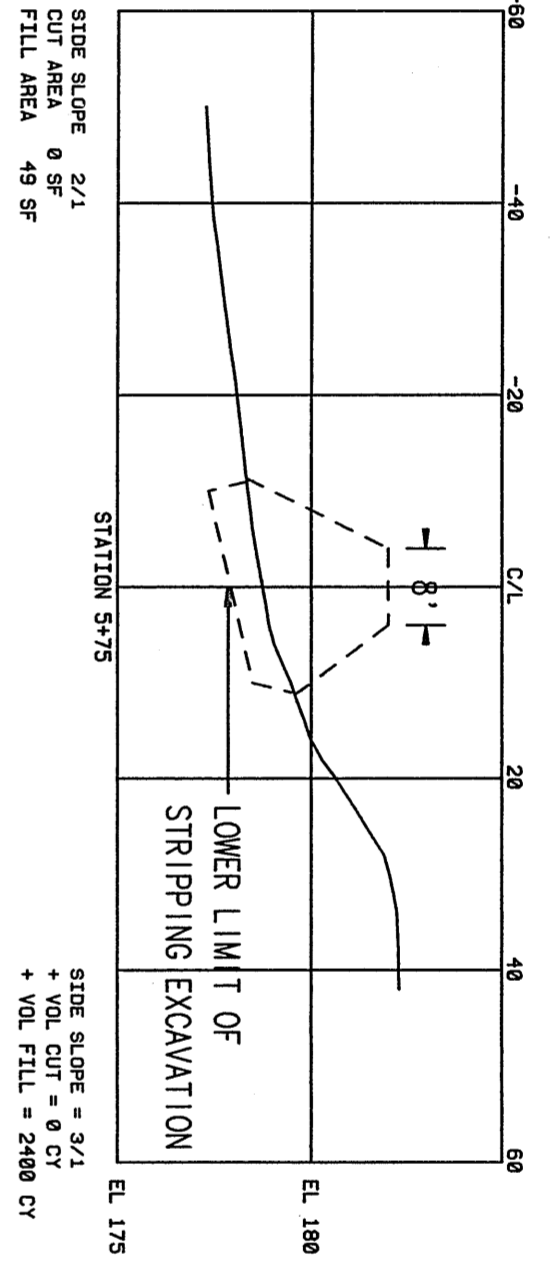
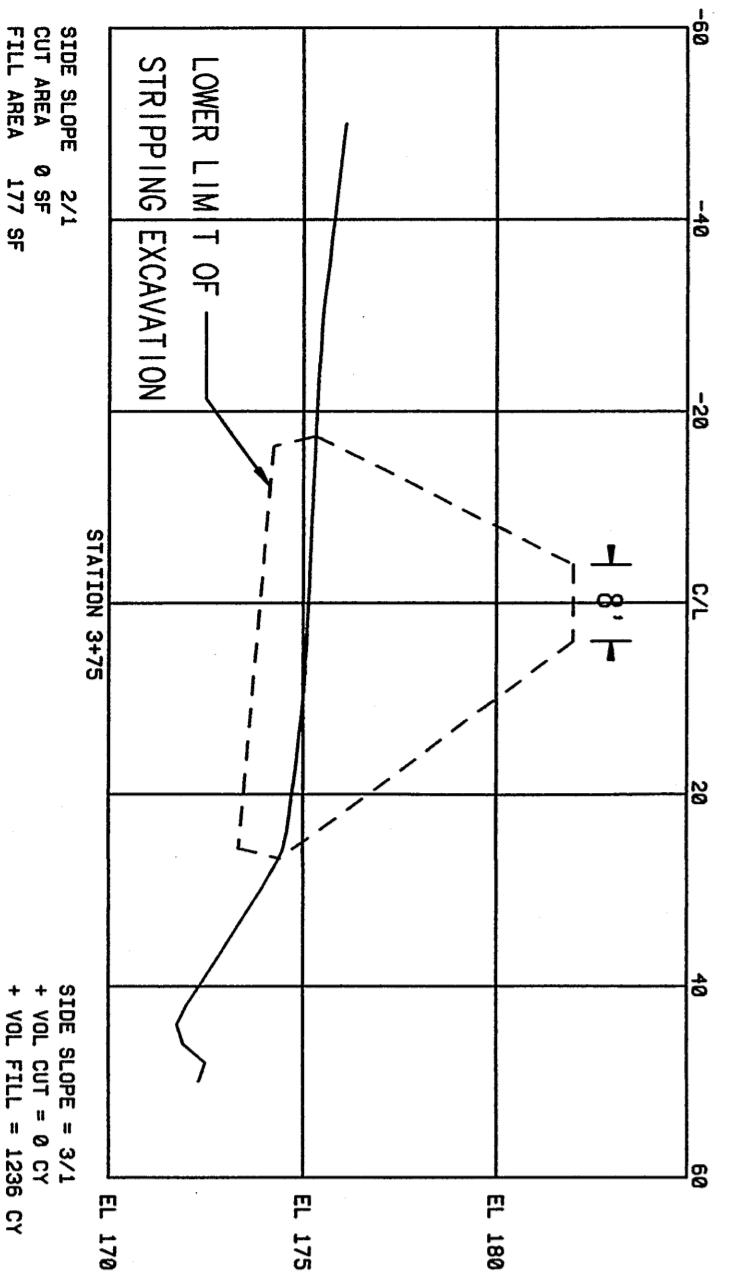
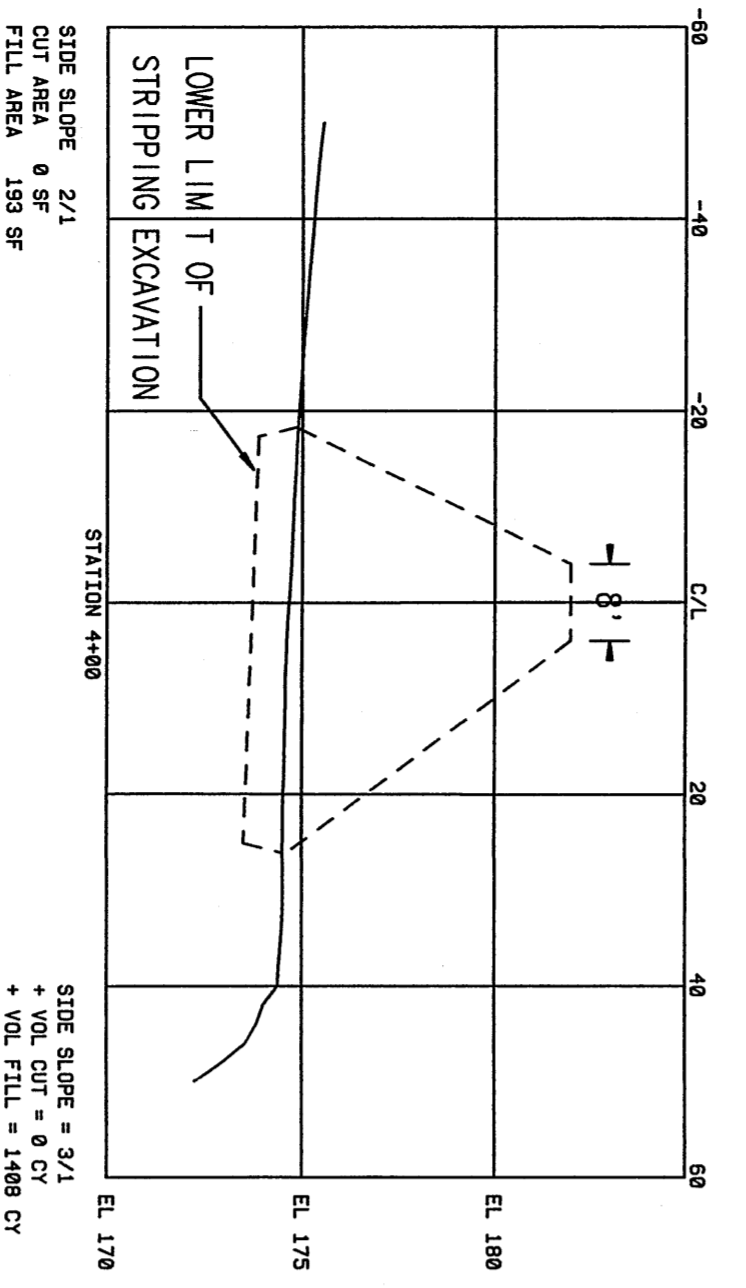
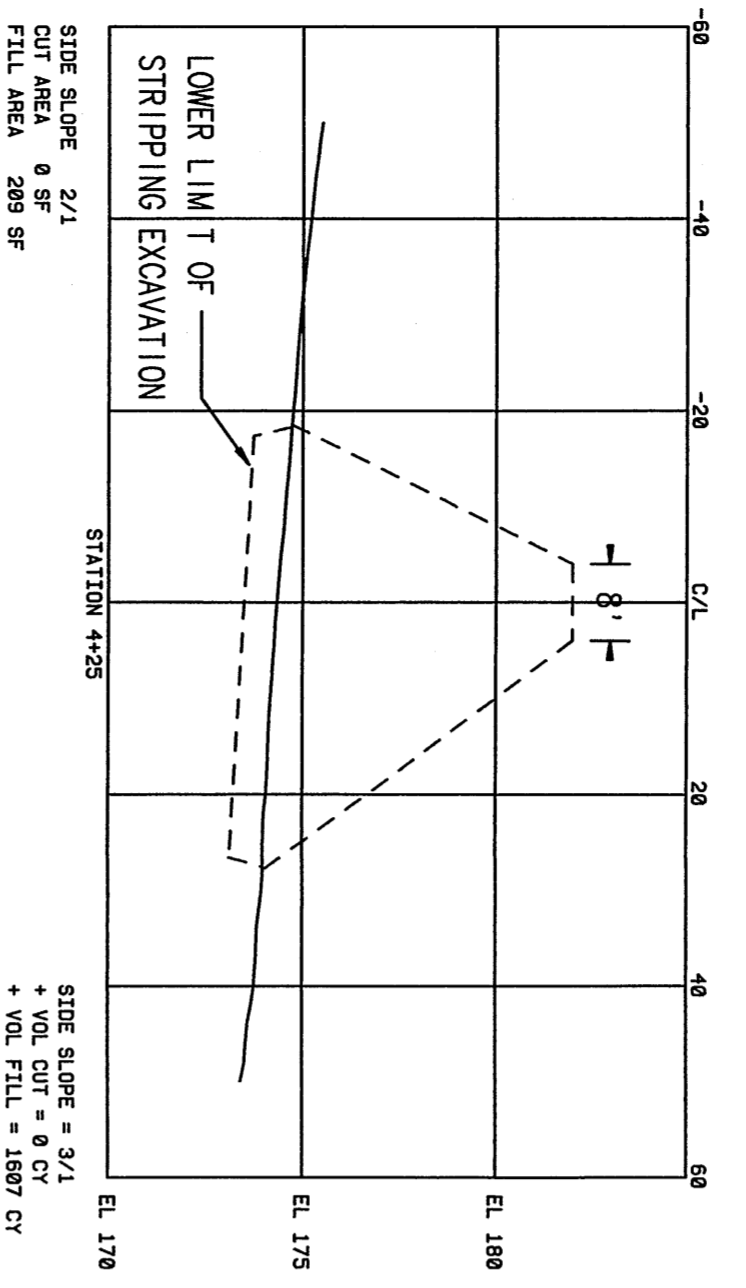
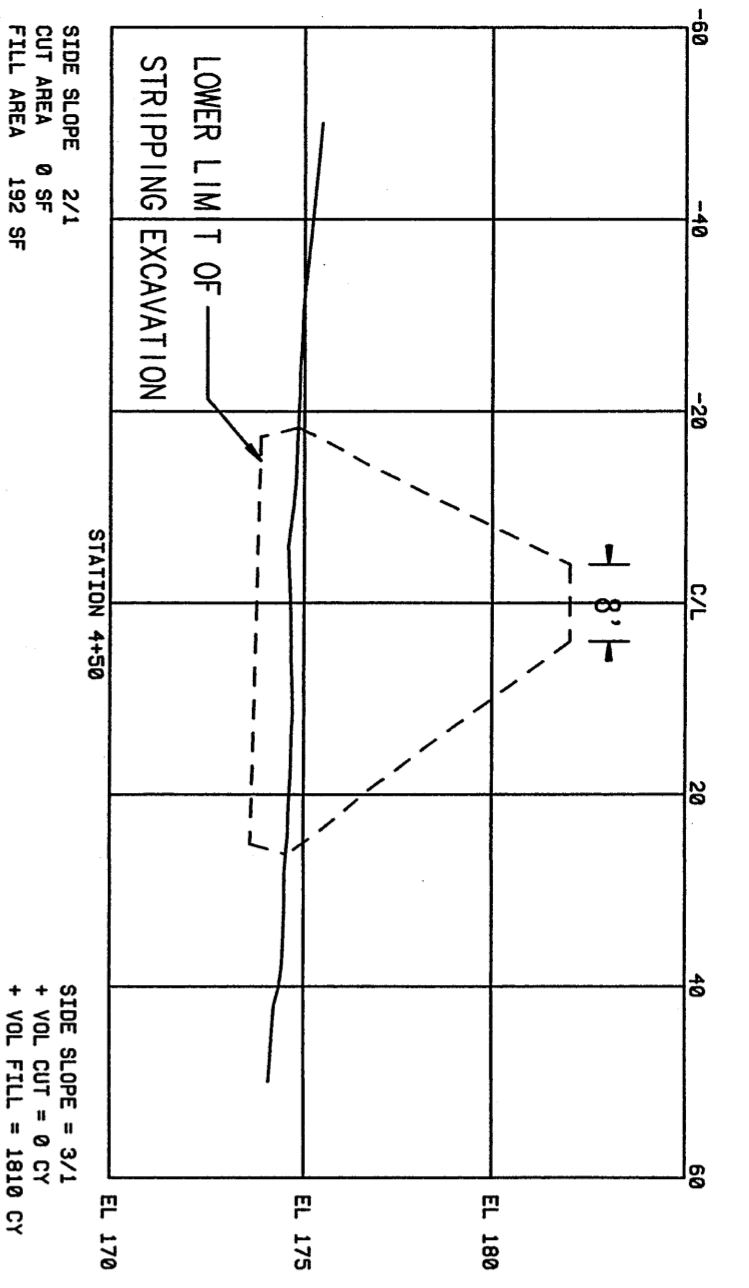


- CONSTRUCTION NOTES:
1. ADD 0.5' FOR SETTLEMENT TO FINAL GRADE.
 2. LOWER LIMIT OF STRIPPING EXCAVATION SHALL BE A MINIMUM OF 1' BELOW ORIGINAL GROUND.
 3. A CUTOFF TRENCH SHALL BE INSTALLED UNDER ALL EMBANKMENTS WITH A MINIMUM 8' BOTTOM WIDTH, 3' DEPTH, AND 1:1 SIDE SLOPES.

LANGLOTH BOREHOLE
 SMITH TOWNSHIP, WASHINGTON COUNTY, PENNSYLVANIA

CROSS SECTIONS - DIKE 1
 U. S. DEPARTMENT OF AGRICULTURE
 NATURAL RESOURCES CONSERVATION SERVICE

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		of	8

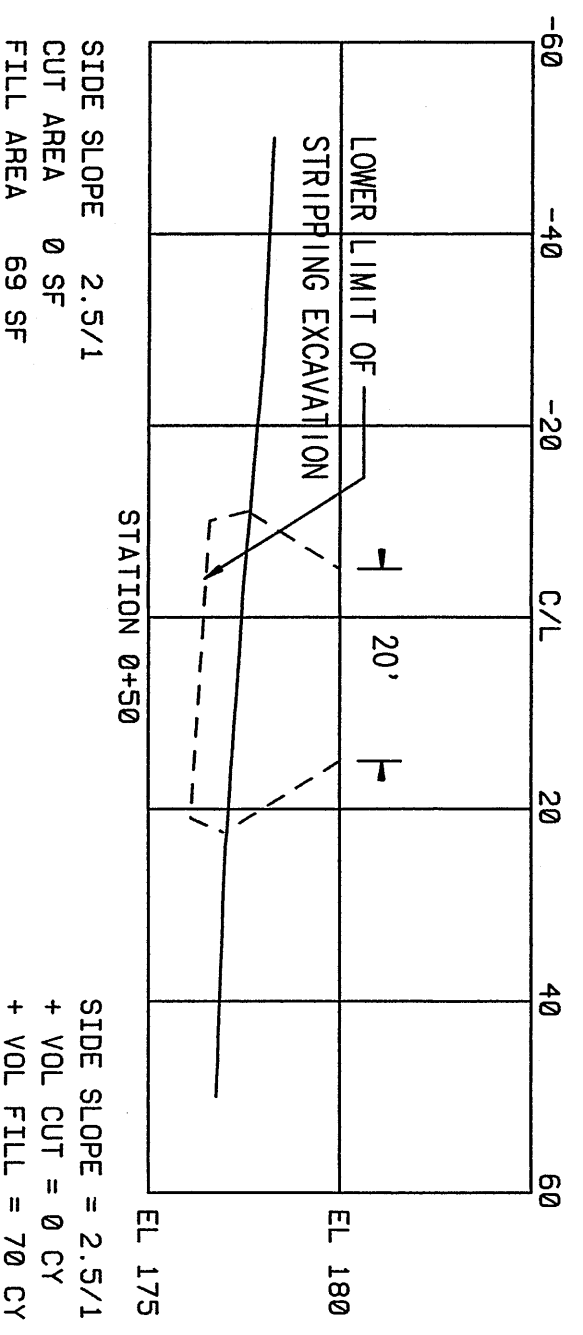
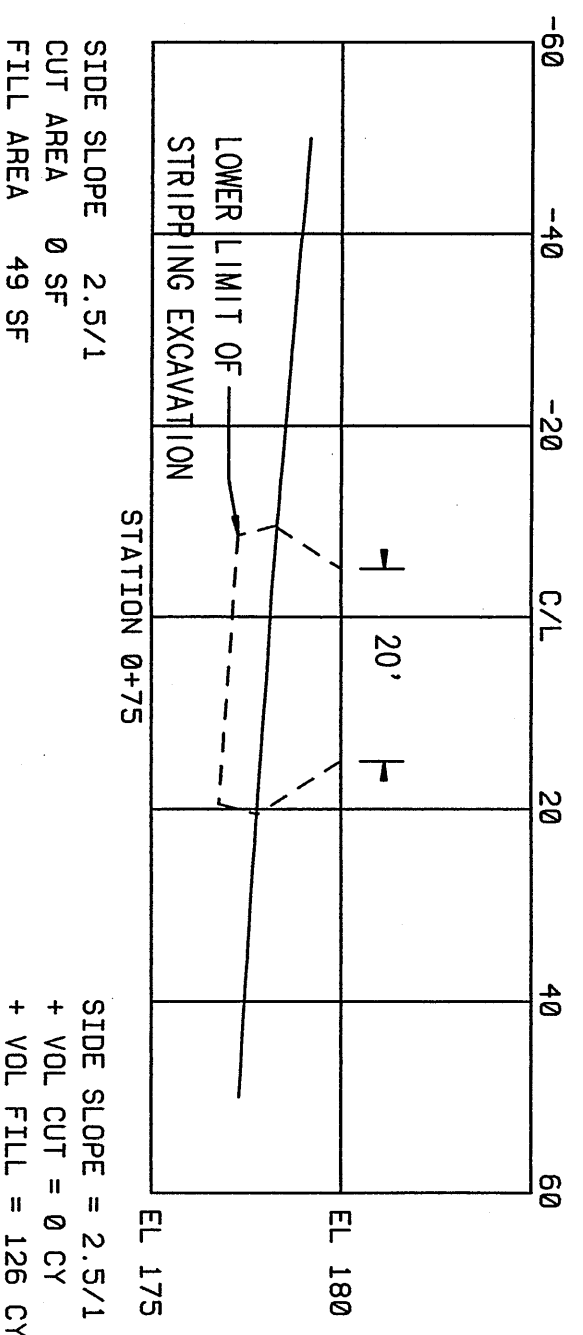
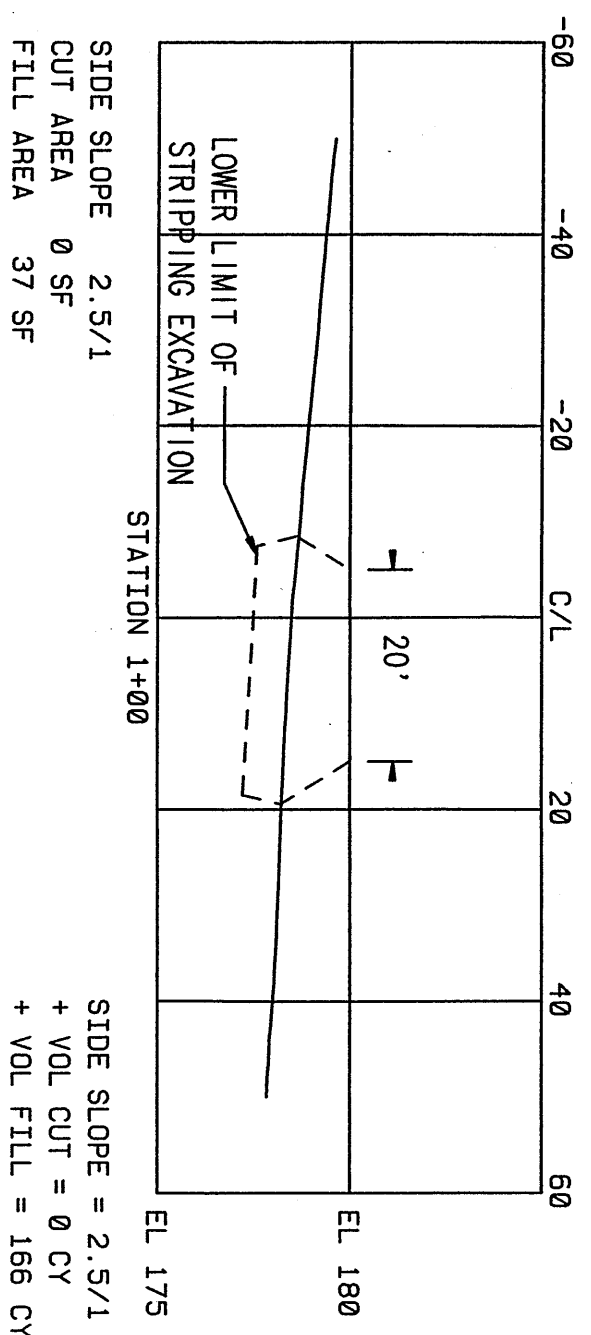
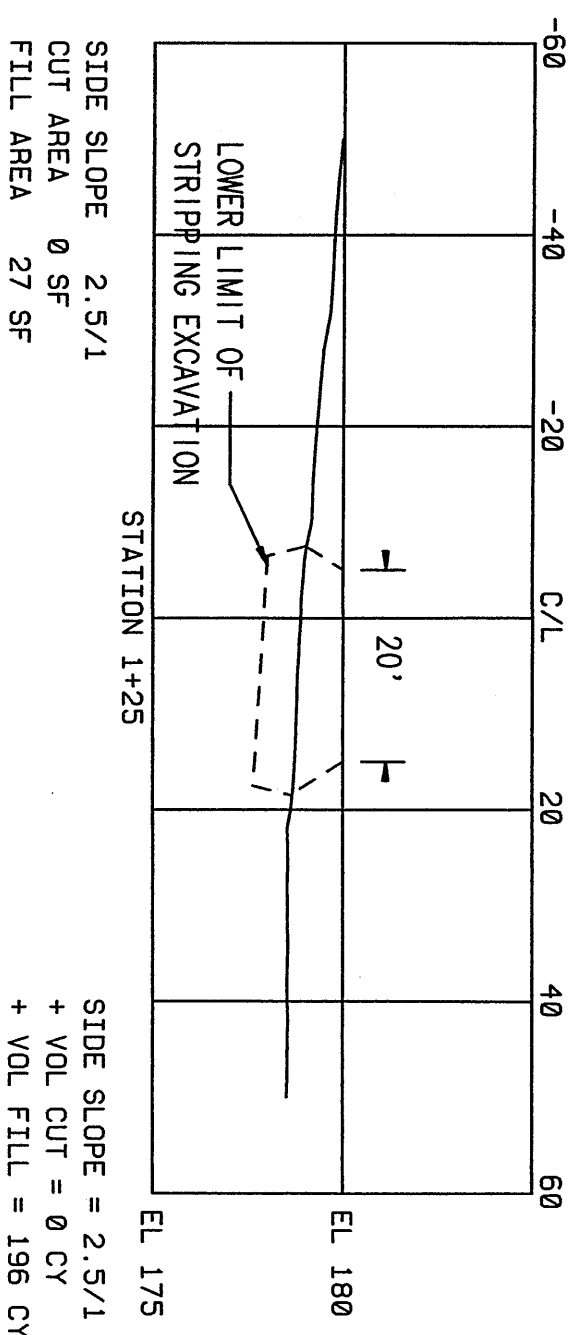


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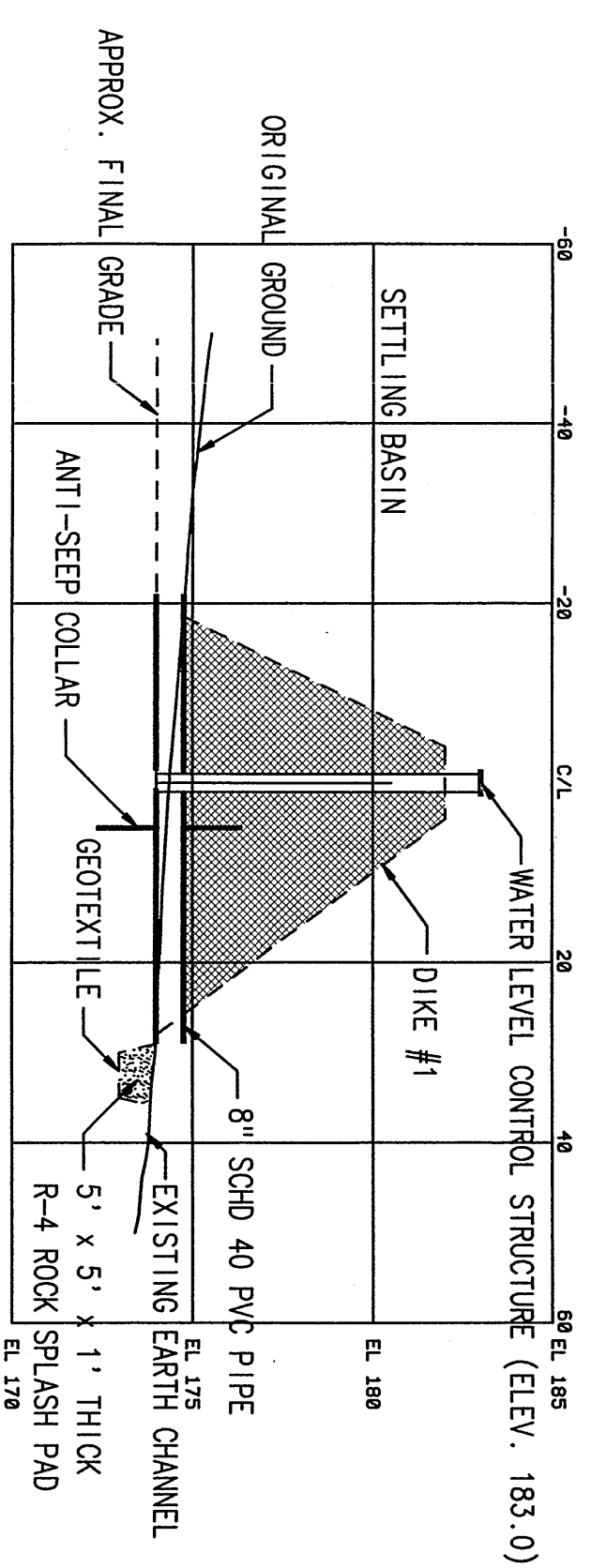
CROSS SECTIONS - DIKE 1
 U. S. DEPARTMENT OF AGRICULTURE
 NATURAL RESOURCES CONSERVATION SERVICE

Designed: <u>G. KROTZER</u> Drawn: <u>G. KROTZER</u>	Date: <u>1/98</u> Title: _____
Checked: <u>G. SKOVRAN</u>	Approved by: _____ Title: _____
Sheet No. <u>7</u> of <u>8</u>	Drawing No. <u>A3PA0003</u>



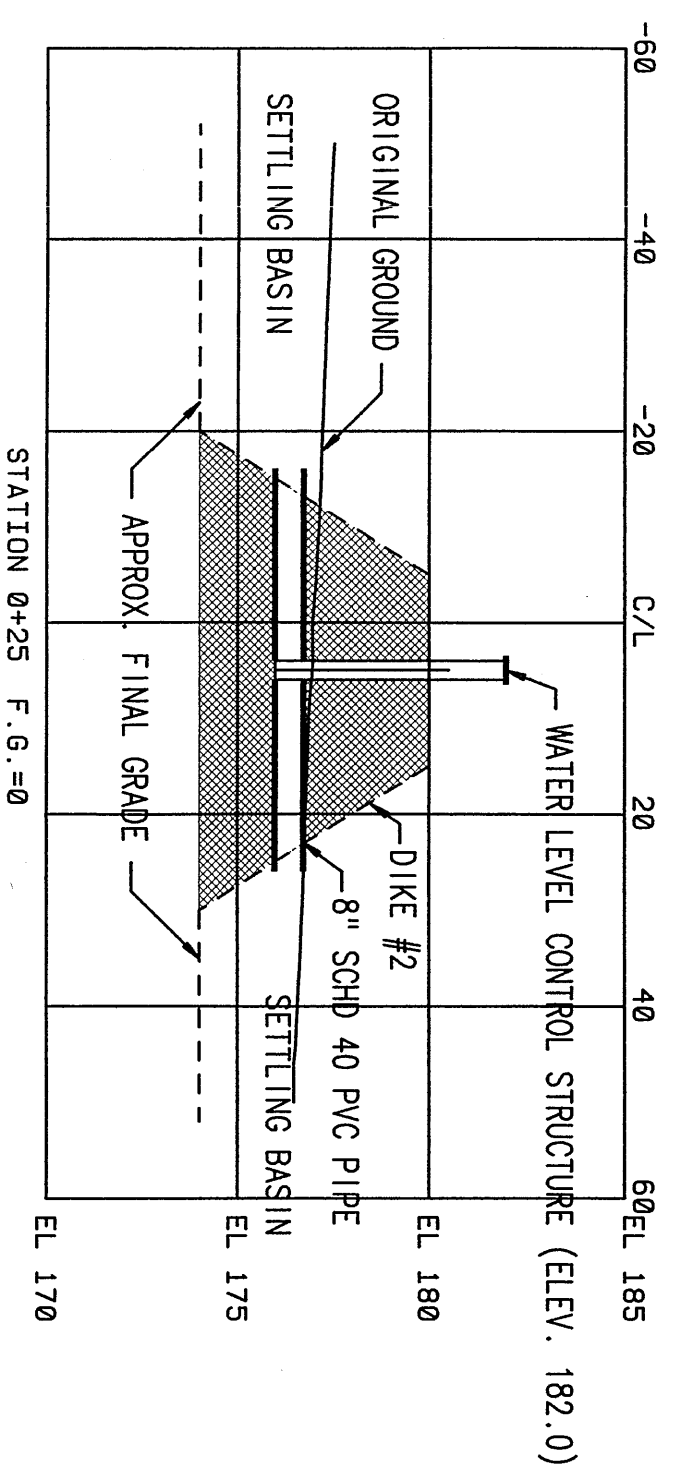
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WATER LEVEL CONTROL STRUCTURE #1 AND #2



PROFILE

WATER LEVEL CONTROL STRUCTURE #3



PROFILE

- CONSTRUCTION NOTES:
- COMPACTION OF EARTH FILL WITHIN 3 FEET OF THE STRUCTURES SHALL BE ACCOMPLISHED BY MEANS OF HAND TAMPING OR MANUALLY DRIVEN EQUIPMENT.

LANGLOTH BOREHOLE	
SMITH TOWNSHIP, WASHINGTON COUNTY, PENNSYLVANIA	
GROSS SECTIONS - DIKE 2	
DETAILS - WATER CONTROL STRUCTURES	
U. S. DEPARTMENT OF AGRICULTURE	
NATURAL RESOURCES CONSERVATION SERVICE	
Designed by: G. KROITZER	Date: 1/98
Drawn by: G. KROITZER	Date: 1/98
Checked by: G. SKOVYAN	Date: 4/98
Sheet No. 8	of 8
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