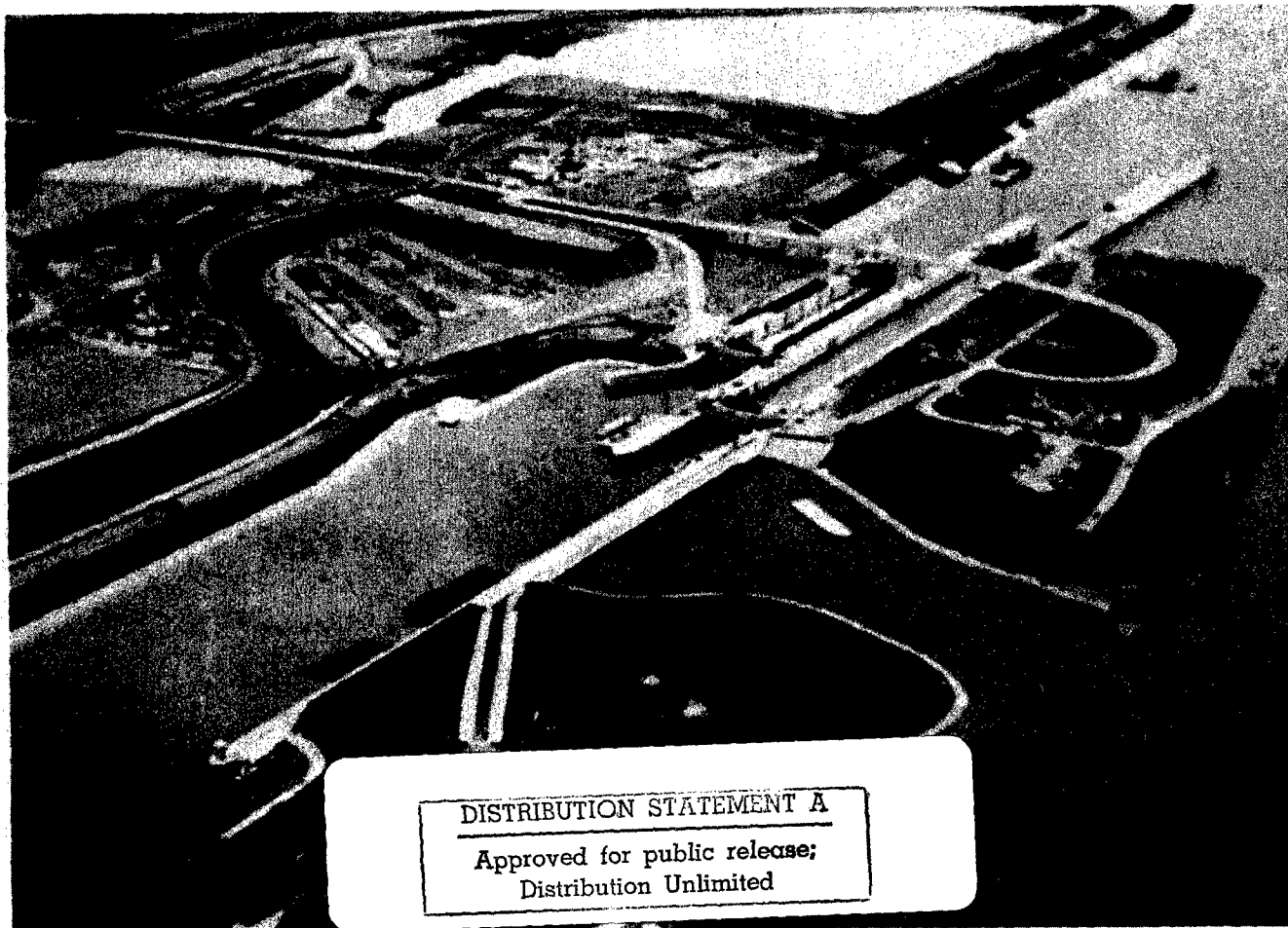


GALLIPOLIS LOCKS AND DAM

OHIO RIVER BASIN

MASON COUNTY, WV



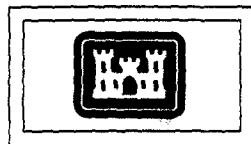
FOUNDATION REPORT

VOLUME 2 FOUNDATION DRAWINGS

CONSTRUCTION OF TWO PARALLEL LOCKS AND CANAL

CONTRACT DACW-69-88-C-0001

23 JANUARY 1993



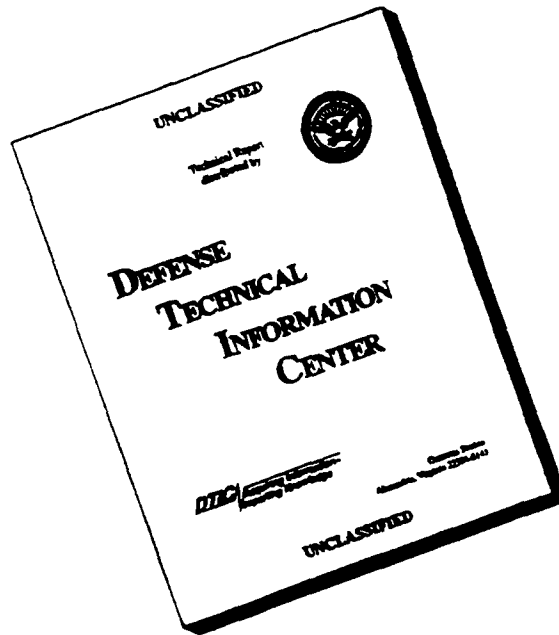
DTIC QUALITY INSPECTED 3

U.S. ARMY CORPS OF ENGINEERS

HUNTINGTON DISTRICT

19970408 030

DISCLAIMER NOTICE



THIS DOCUMENT IS BEST QUALITY AVAILABLE. THE COPY FURNISHED TO DTIC CONTAINED A SIGNIFICANT NUMBER OF PAGES WHICH DO NOT REPRODUCE LEGIBLY.

Gallipolis Lock Replacement

Ohio River Basin

Mason County W.V.

Foundation Report
Volume 2 Foundation Drawings

Description	Page NO.
River Wall Foundation Drawings.....	1-133
Middle Wall Foundation Drawings.....	134-194
Land Wall Foundation Drawings.....	194-247
River Wall Culvert Drawings.....	248-252
Middle Wall Culvert Drawings.....	253-258
Land Wall Culvert Drawings.....	259-295
Inlet Monolith Drawings.....	296-299
Outlet Monolith Drawings.....	300-309
Main Chamber Sills.....	310-314
Auxiliary Chamber Sills.....	315-319
River Wall Cross Sections.....	320-321
Middle Wall Cross Sections.....	322
Land Wall Cross Sections.....	323
River Wall Grout Drawing.....	324
Middle Wall Grout Drawing.....	325
Land Wall Grout Drawing.....	326
Sill grout Grout Drawing..... (Main and Auxiliary Locks)	327

Gallipolis Locks

Replacement

Ohio River Basin

Mason County West Virginia

Foundation Report

Volume II

Foundation Drawing

Construction of Two Parallel Locks and Canal

Contract No. DACW69-88-C-0001

Huntington District

U.S. Army Corps of Engineers

Huntington West Virginia

June 1994

Abbreviations

Ang.	Angular	H.	Hardness	Rot.	Rotten (ed)
Appro.	Approximate(ly)	Hi.	High(iy)(er)	Rou.	Round(ed)
Bd.	Bed(ded)(ing)	Hor.	Horizontal(iy)	Rt.	Root(s)(let)
Bk.	Black	Inc.	Inclusions	S.	Soft
Bkn.	Broken	Intbd.	Interbedded	Sa.	Sandy
Bou.	Boulder(s)	Irr.	Irregular	Scat.	Scattered
Bre.	Breccia(ted)			Se.	Seams
Br.	Brown	Jt.	Joint(ed)	Sev.	Severely
				Sevr.	Several
C.	Coarse	L.	Little	Sh.	Shaly
Cal.	Calcareous	Las.	Laminat(ions)(ed)	Sil.	Siliceous
Carb.	Carbonaceous	Lay.	Layer(s)	Sl.	Silty
Cbl.	Cobble(y)	Len.	Lens(es)	Sli.	Slight(ly)
Cl.	Clayey	Lg.	Large	Slk.	Slickensided
Comp.	Compaction	Lt.	Light	Sm.	Small
Conc.	Concretion			So.	Some
Cong	Conglomeratic	M.	Moderately	Sol.	Solution
Cem.	Cement(ed)	Ma.	Many	Sta.	Stain(ed)
		Mas.	Massive(ly)	Stf.	Stiff
Dia.	Diameter	Mat.	Material	Stks.	Streak(s)
Disc	Discontinuous	Mic.	Micaceous	Sty.	Stylolite
Dk.	Dark	Mos.	Mostly		
Dn.	Dense	Mot.	Mottled	T.	Thin
Dmp.	Damp	Mot.	Moist	Thr.	Throughout
		Mtx.	Matrix	Tk.	Thick
				Tr.	Trace
F.	Fine	Nod.	Nodule(s)		
Fer.	Ferruginous	Num.	Numerous	Ve.	Very
Fis.	Fissile			Ver.	Vertical
Fil.	Filled(ing)	O.	Open	Vu.	Vuggy
Fos.	Fossil(iferous)	Occ.	Occasional(ly)		
Frac.	Fracture(d)	Org.	Organic	W.	Water
Frag.	Fragment(s)(al)			/W.	With
Fri.	Friable	Part.	Particle(s)	W.C.	Water Content
F.W.	Free Water	Pl.	Plastic	Wd.	Weathered
		Peb.	Pebble(s)		
G.	Grain(ed)	Pkt.	Pocket(s)	Xbd.	Cross Bedded
Gn.	Green	Pn.	Plane(s)		
Gr.	Gray	Pt.	Part	Y.	Yellow
Gra.	Gravelly	Pyr.	Pyrite(ic)		
G.W.	Ground Water			Zo.	Zone
		R.	Red		
		Ro.	Rock(s)		

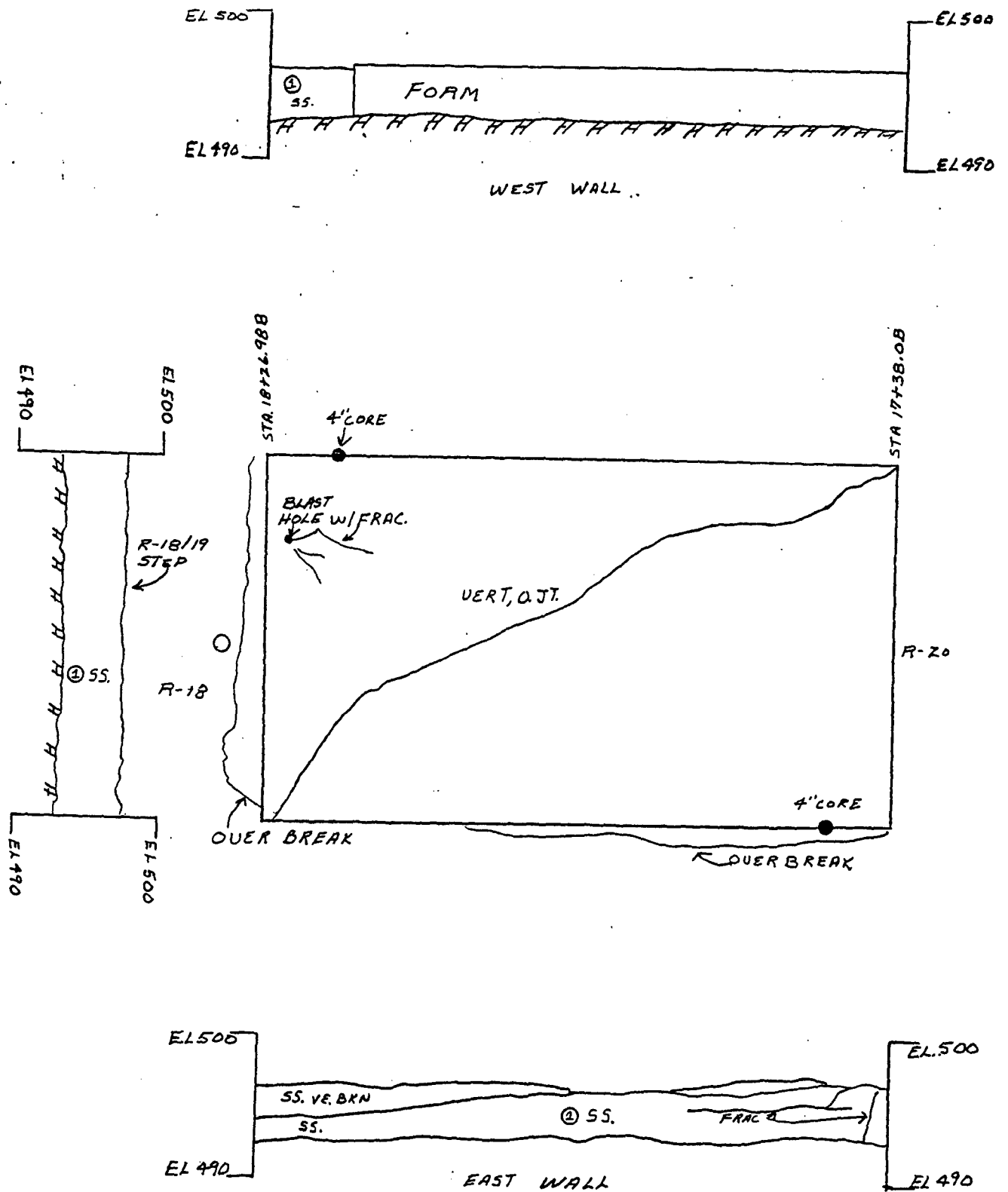
Rock

Symbols

<u>Symbol</u>	<u>Name</u>	<u>Abbreviation</u>
	Sandstone	SS.
	Conglomerate	CONG.
	Shale	SLS.
	Claystone	CLS.
	Limestone	LS.
	Coal	C.
	Indurated Clay	ICL.
	Dolomite	DO.

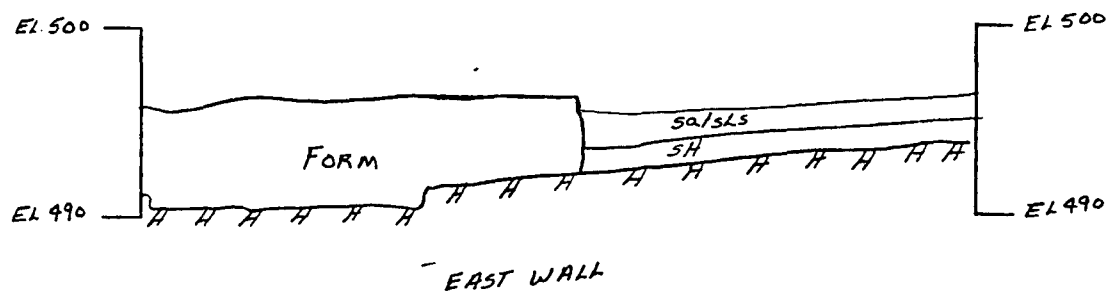
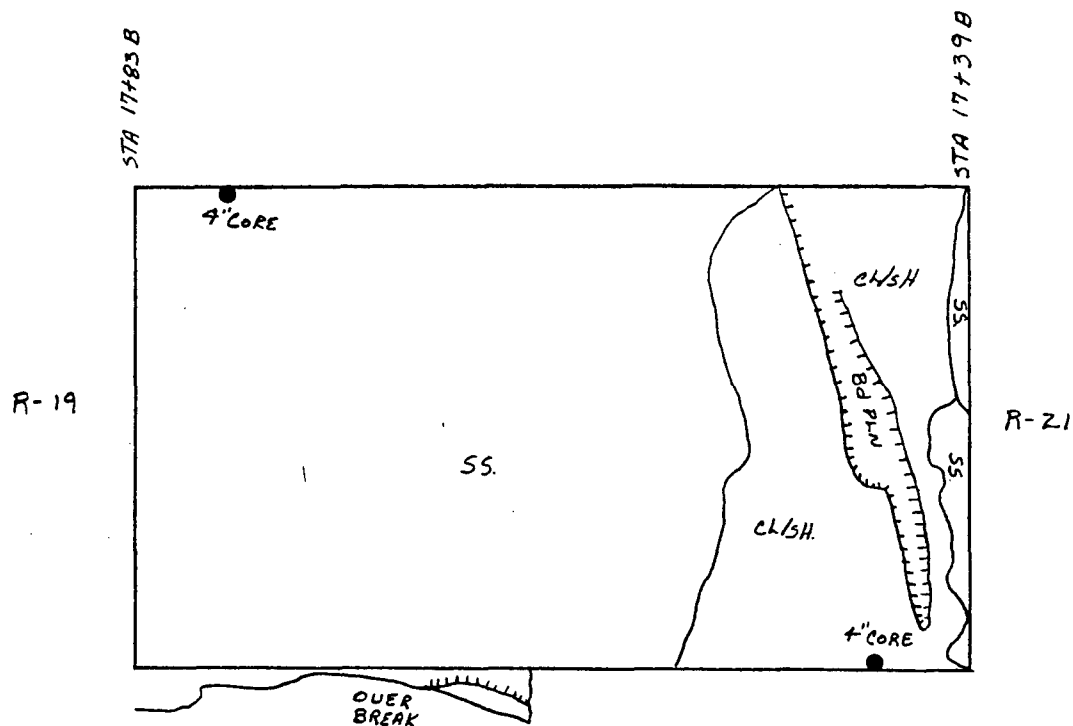
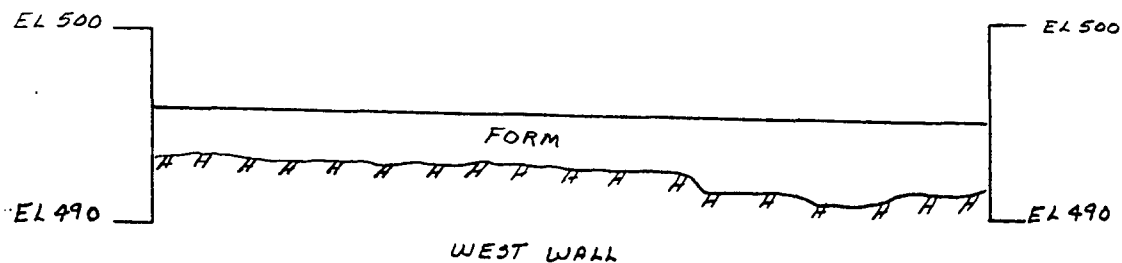
Hardness

Very soft or plastic	- Can be indented easily with thumb
Soft	- Can be scratched with fingernail
Moderately Hard	- Can be scratched easily with a knife; cannot be scratched with finger-nail
Hard	- Difficult to scratch with a knife
Very Hard	- Cannot be scratched with a knife



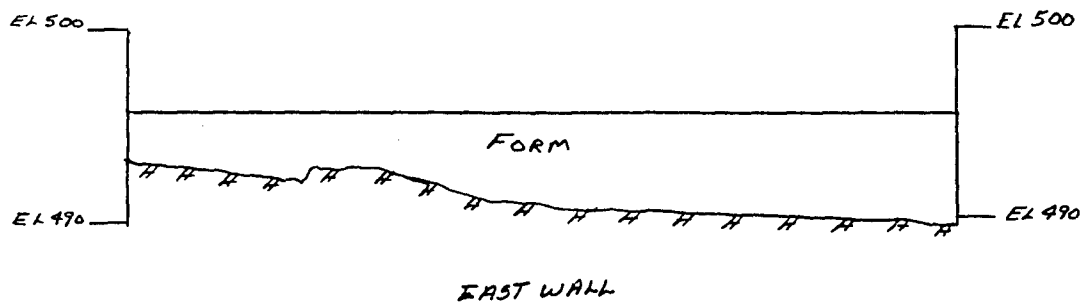
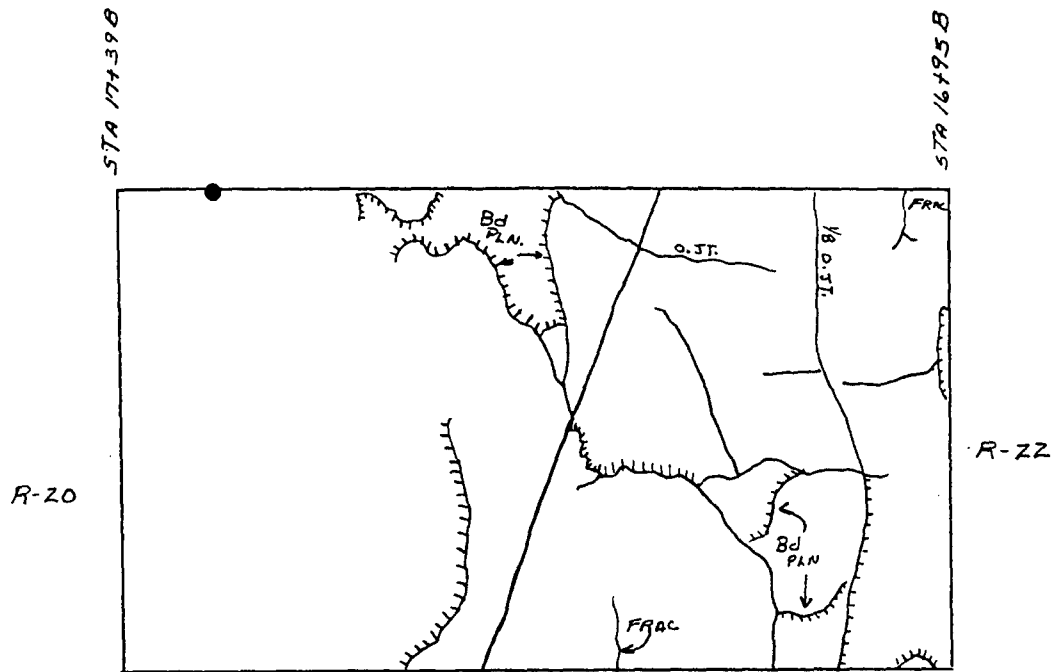
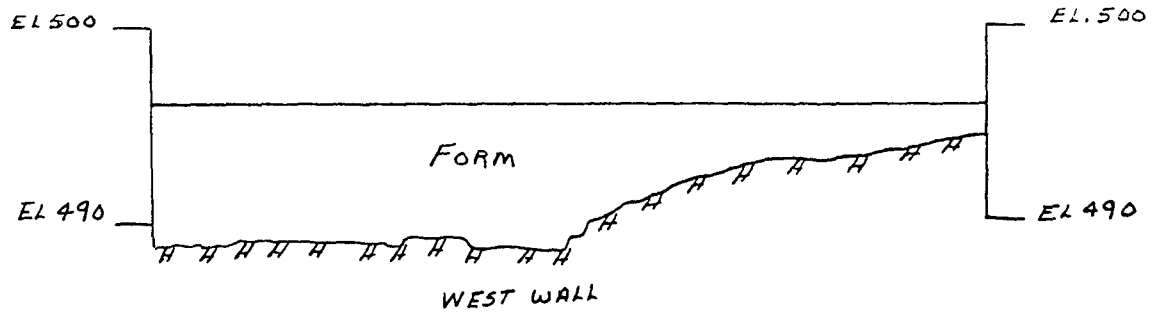
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 19



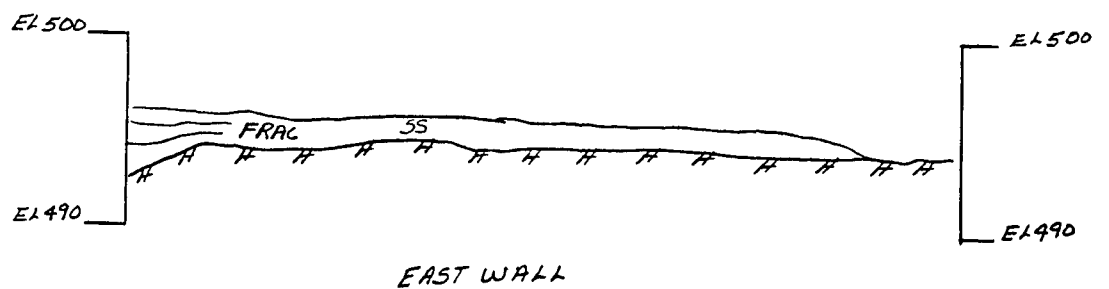
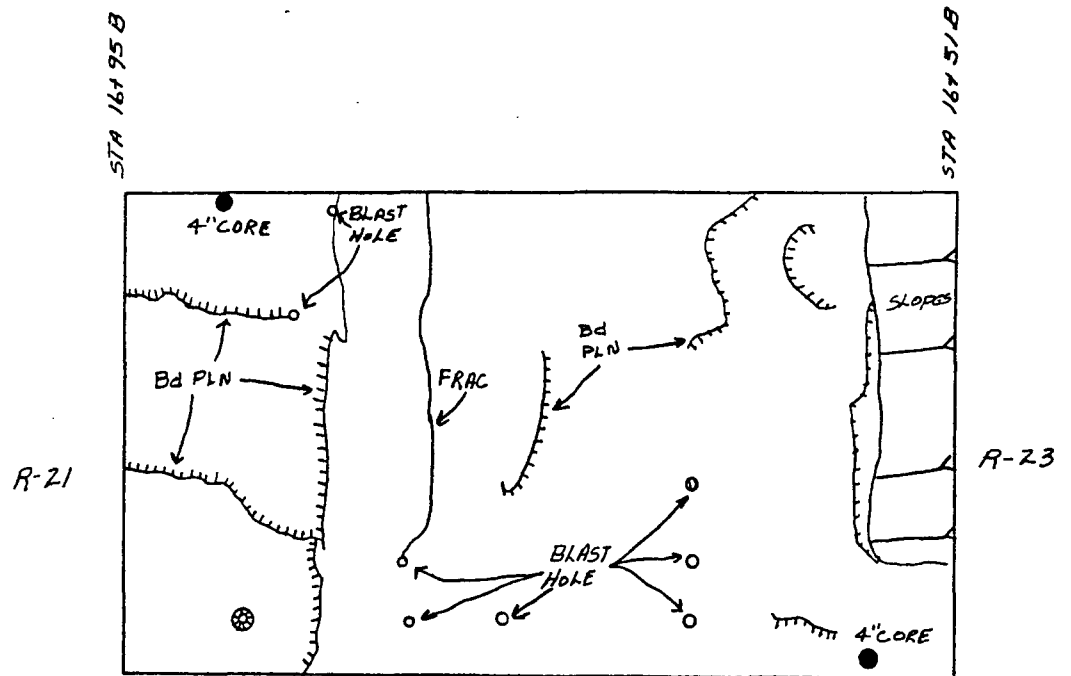
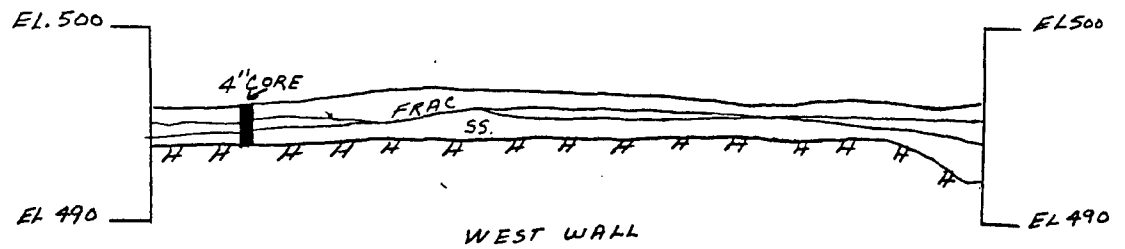
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 20



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 21



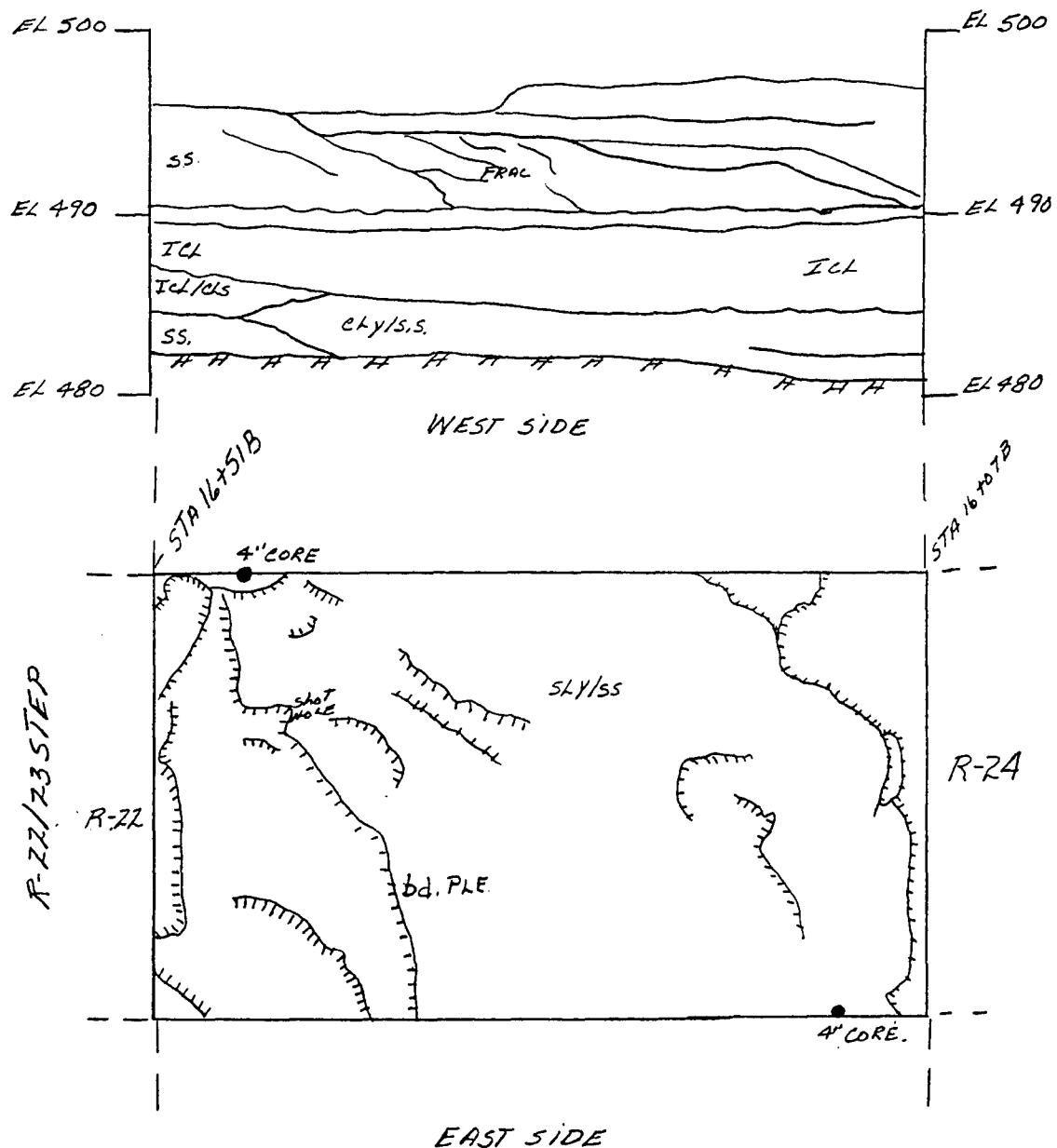
U.S. Army Corps of Engineers

Gallipolis Lock and Dam

Lock in Canal

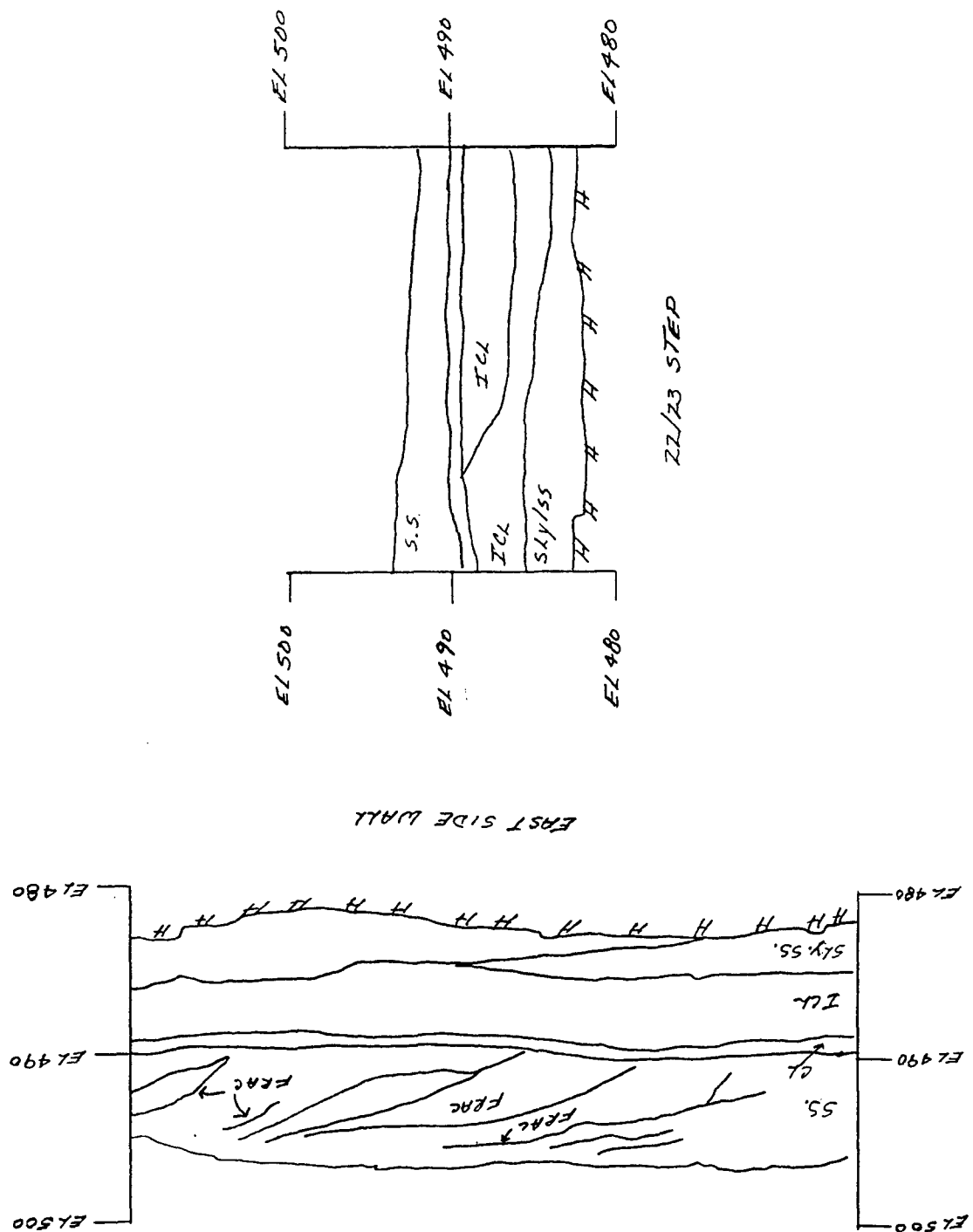
Foundation Drawing

River Wall Monolith 22



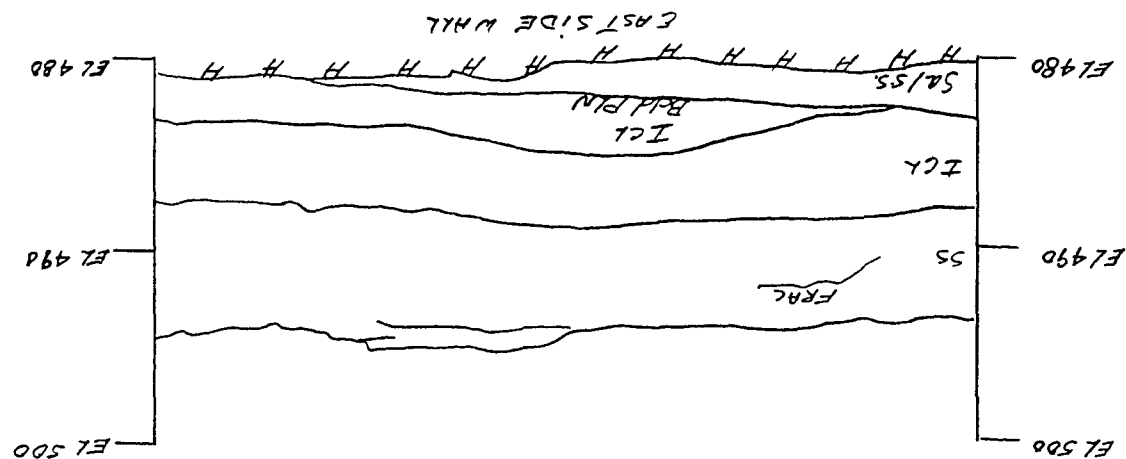
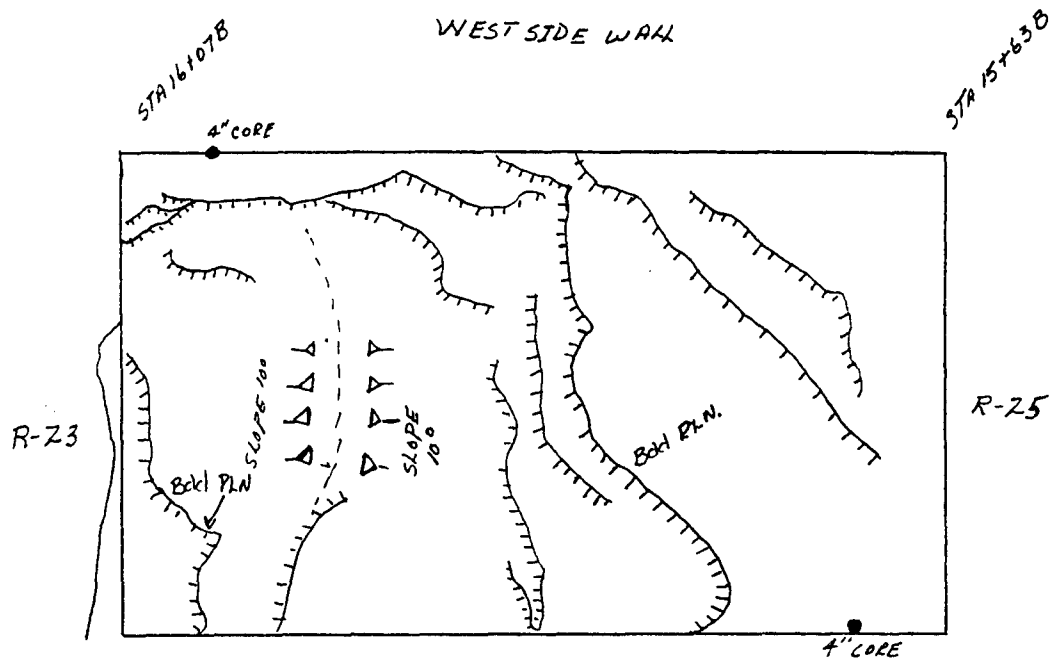
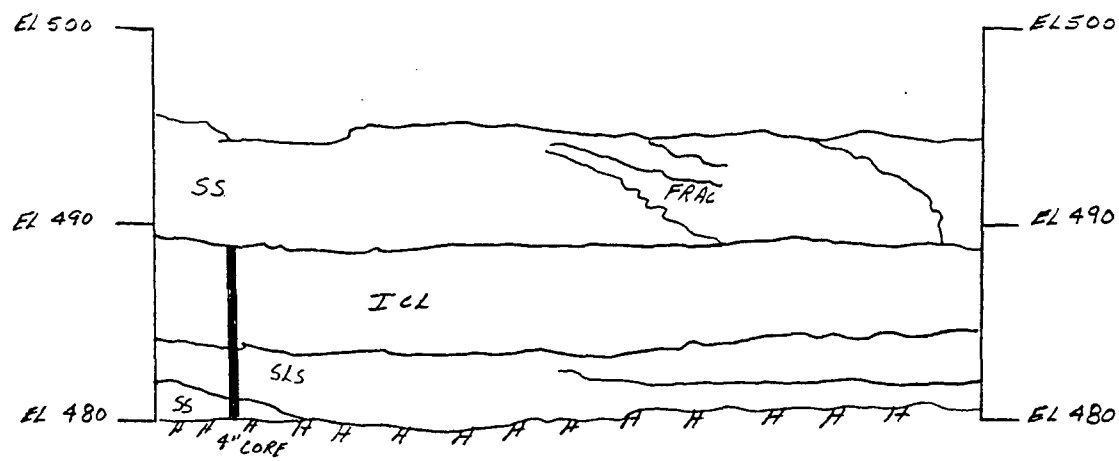
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 23



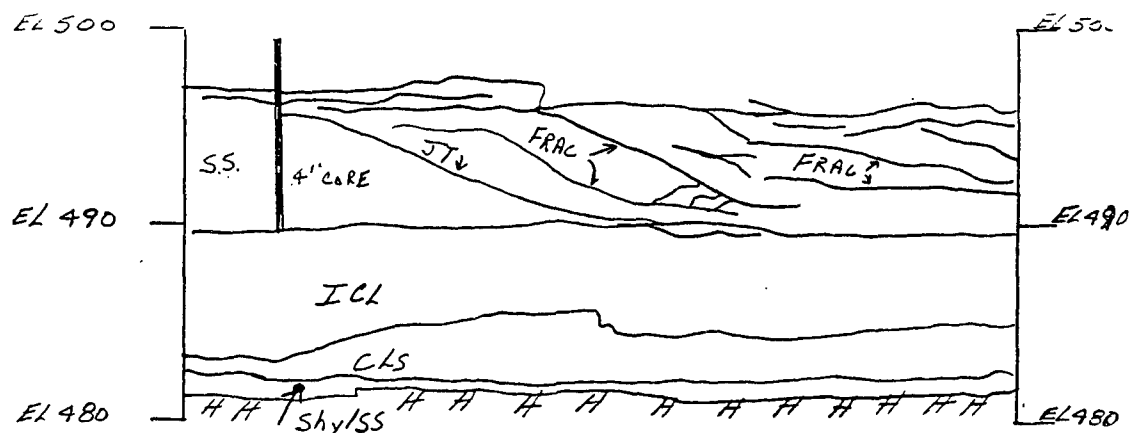
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 23

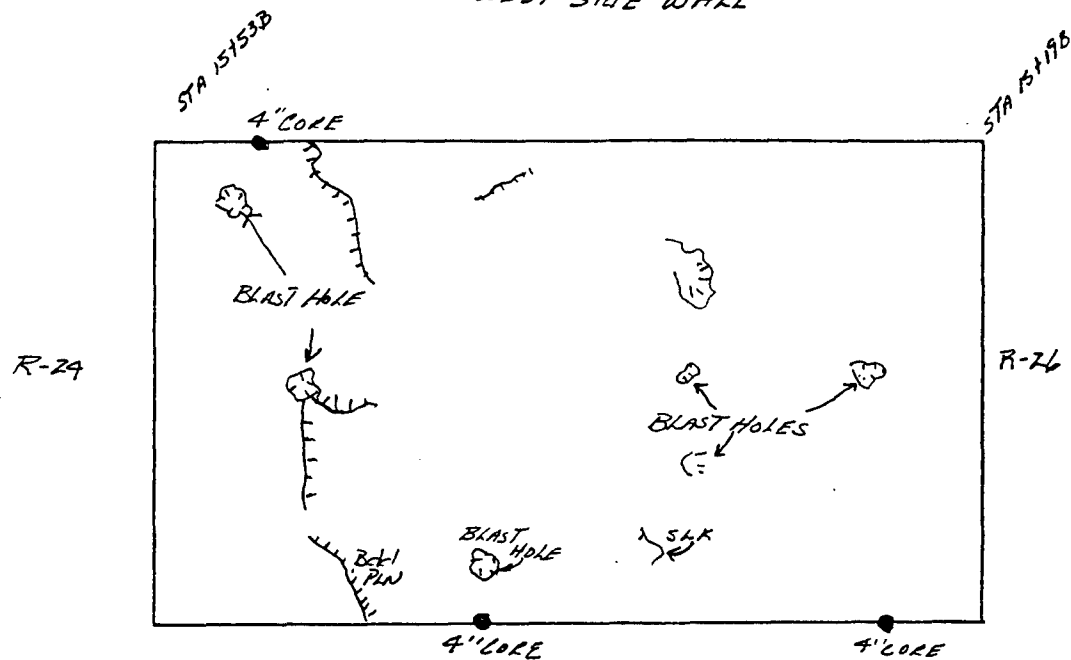


U.S. Army Corps of Engineers

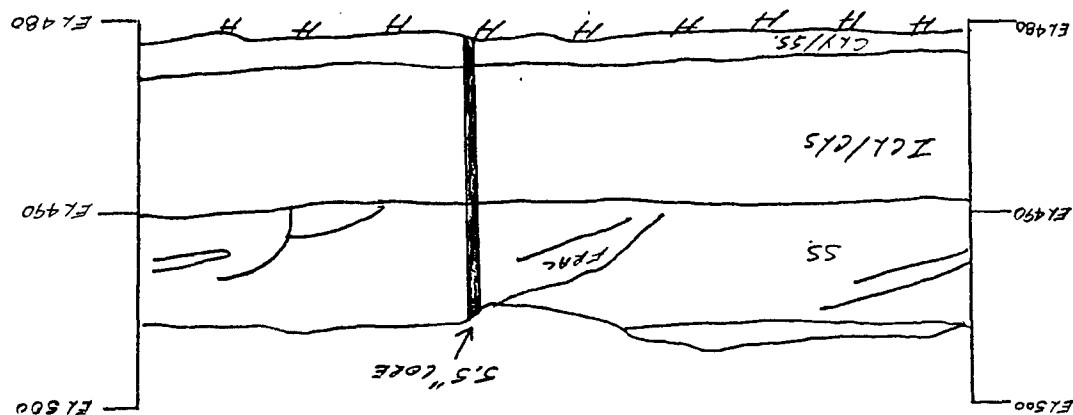
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 24



WEST SIDE WALL

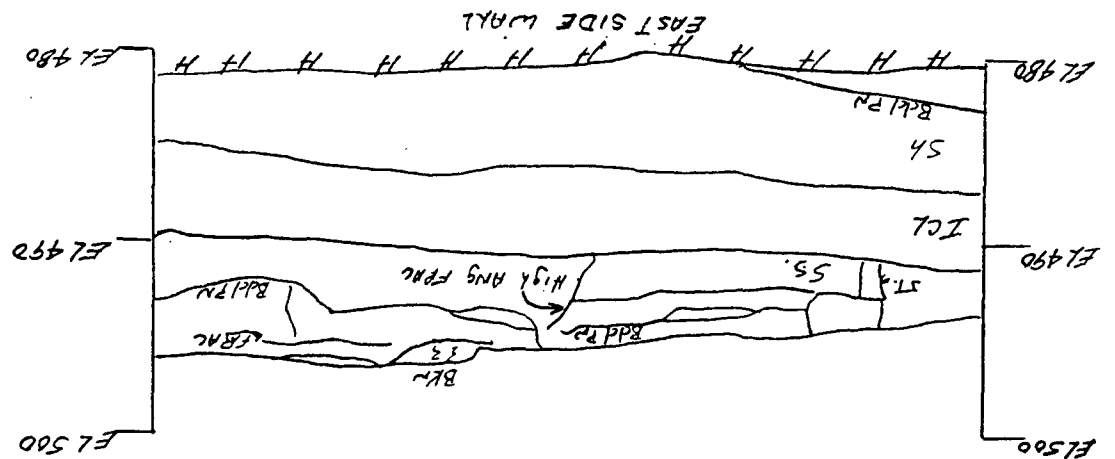
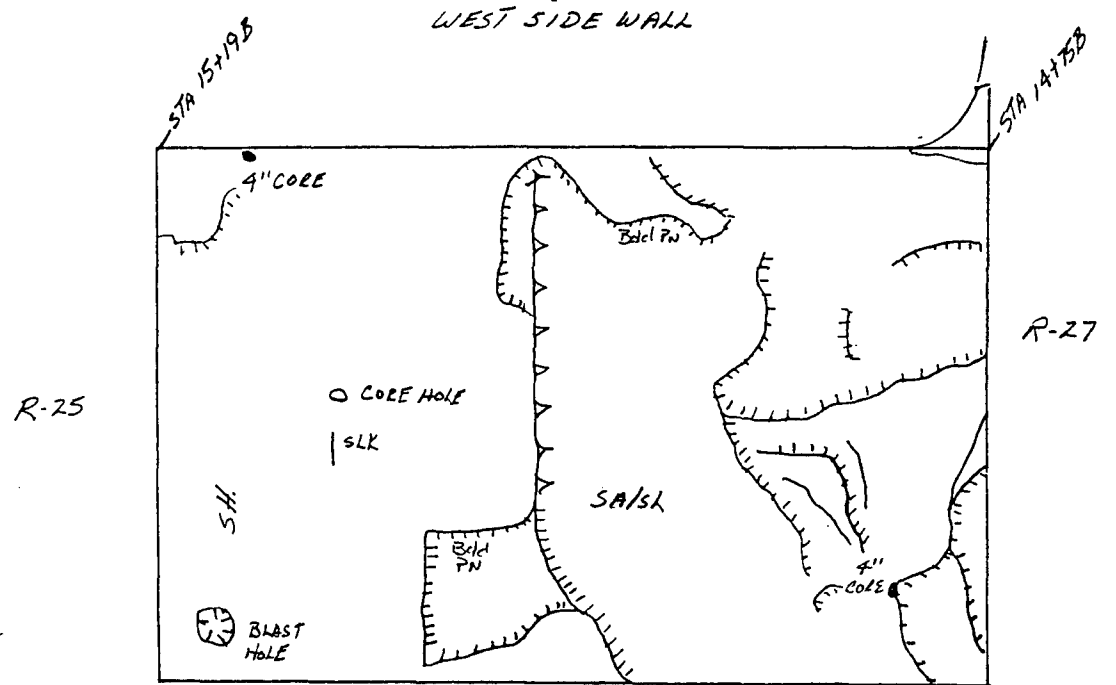
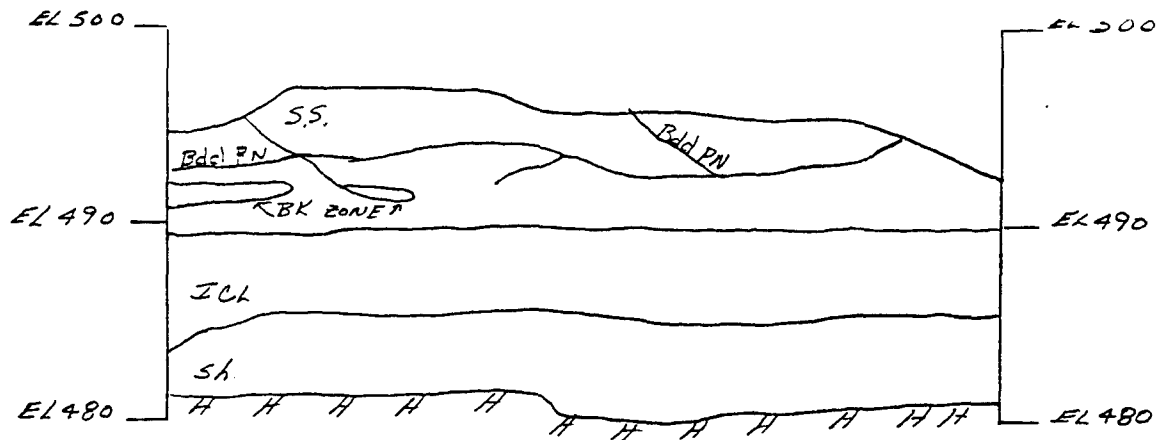


EAST SIDE WALL



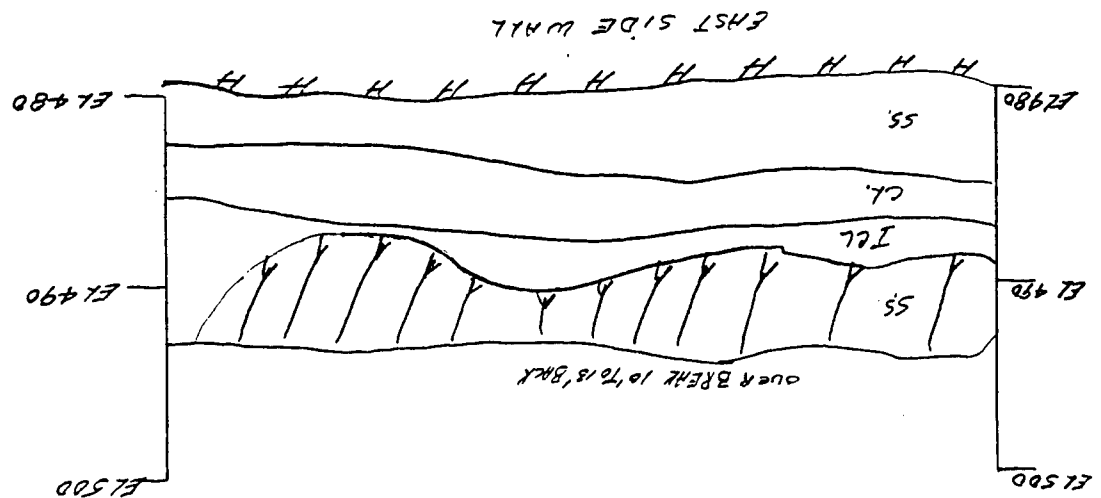
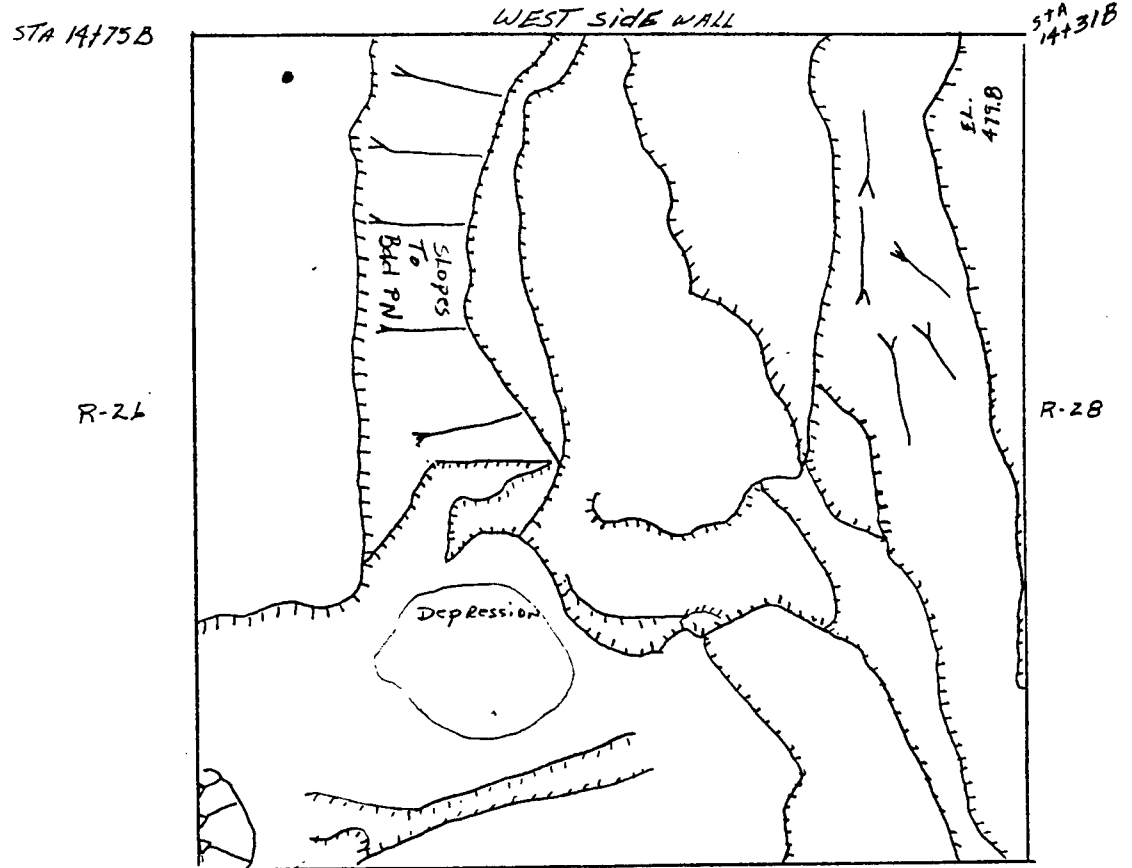
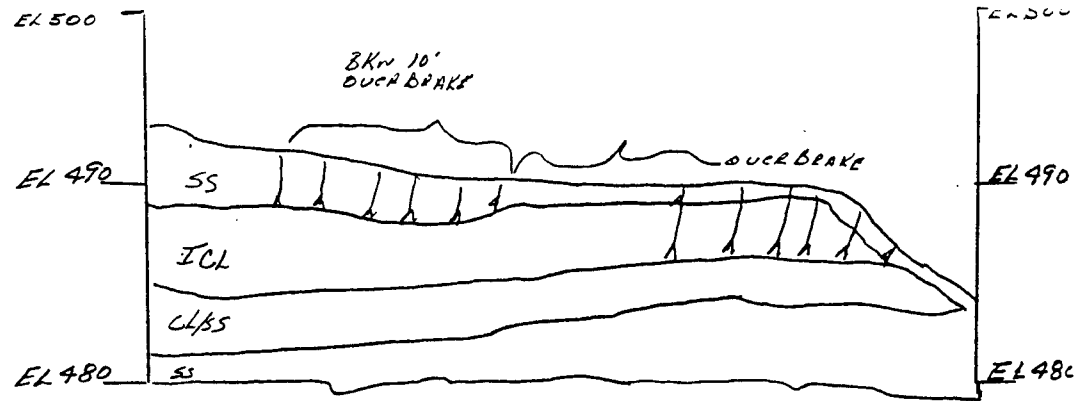
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 25



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 26

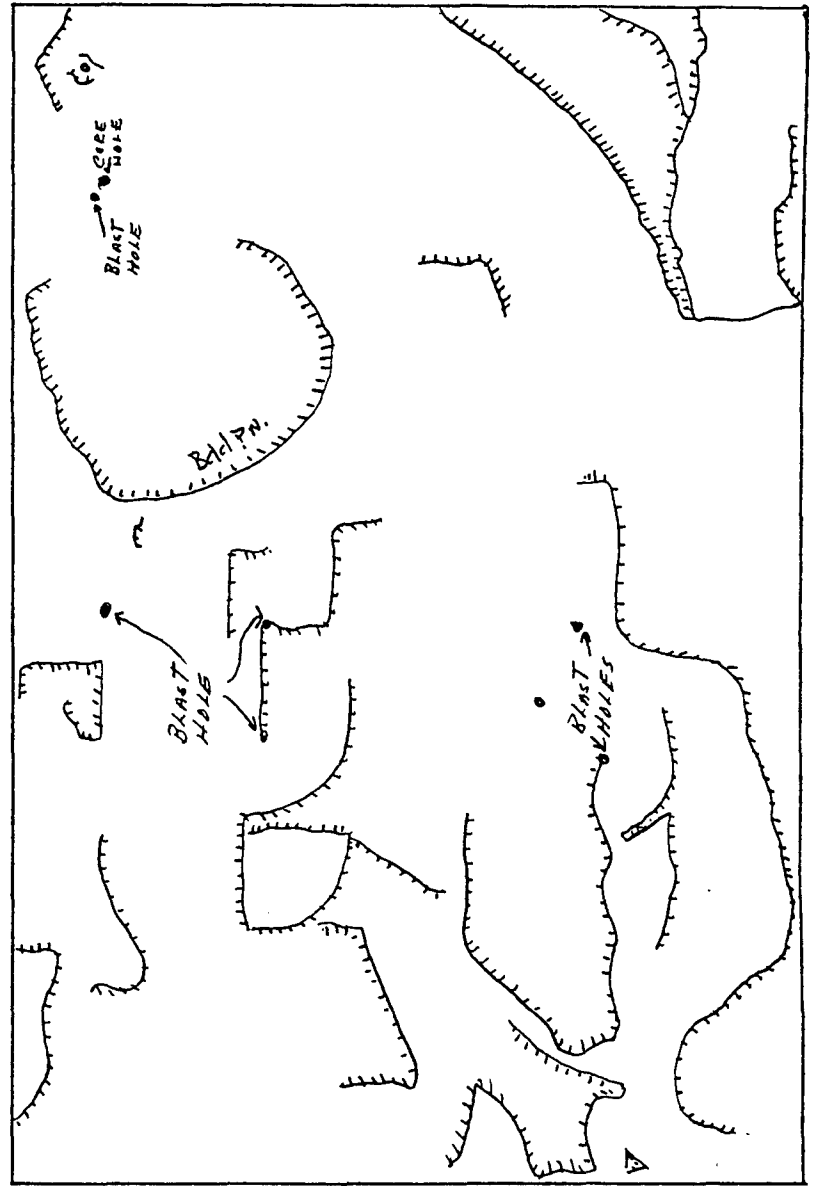


U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 27

R-27

STA. 14+31.8

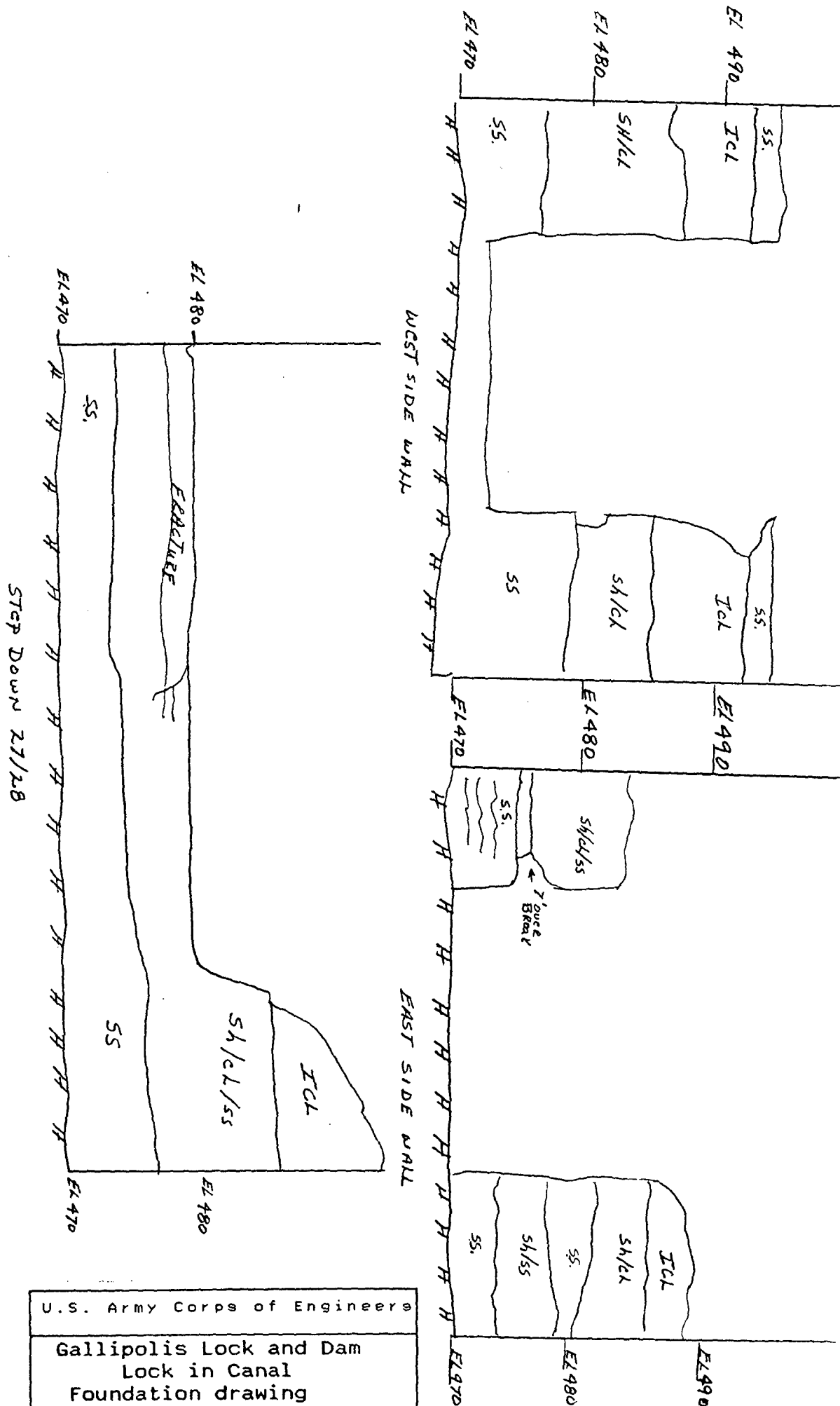


STA. 13+89.8

R-29

U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 28



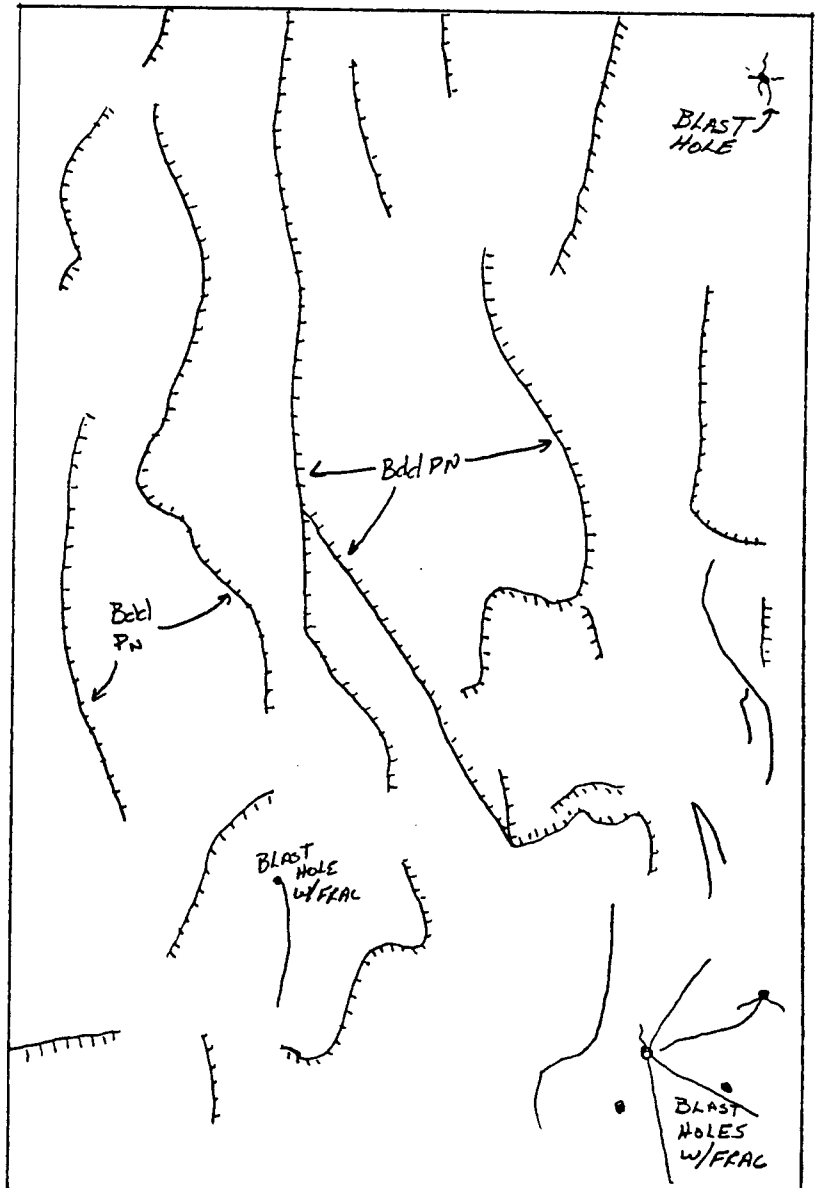
U.S. Army Corps of Engineers
 Gallipolis Lock and Dam
 Lock in Canal
 Foundation drawing
 River Wall Monolith 28

STA 13489B

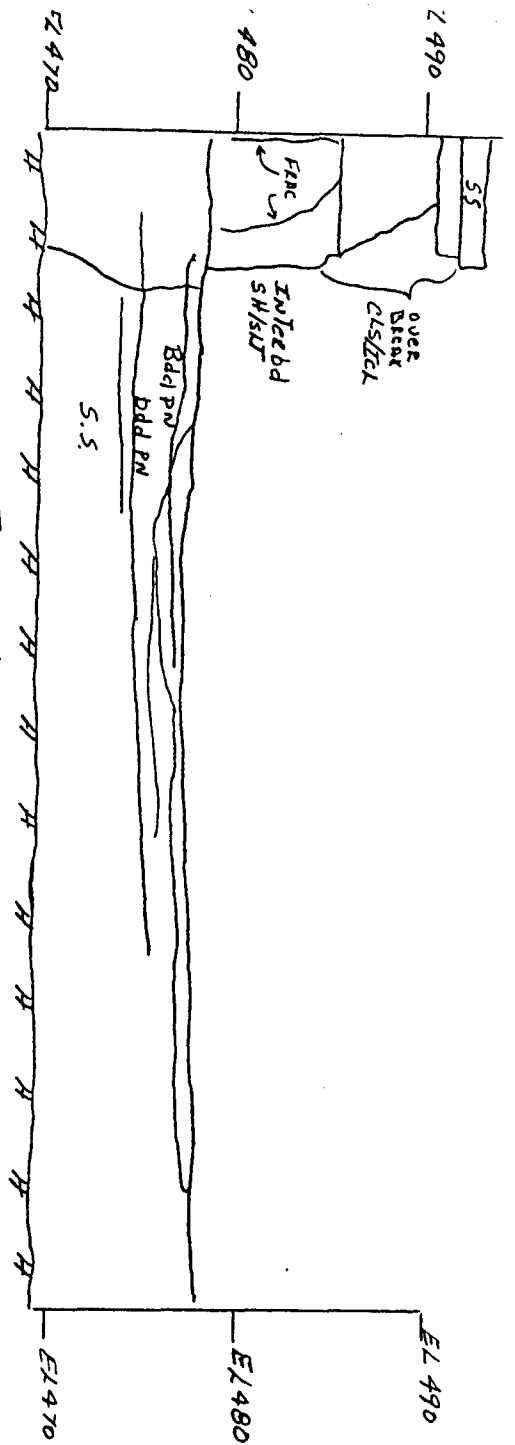
STA 13447B

R-28

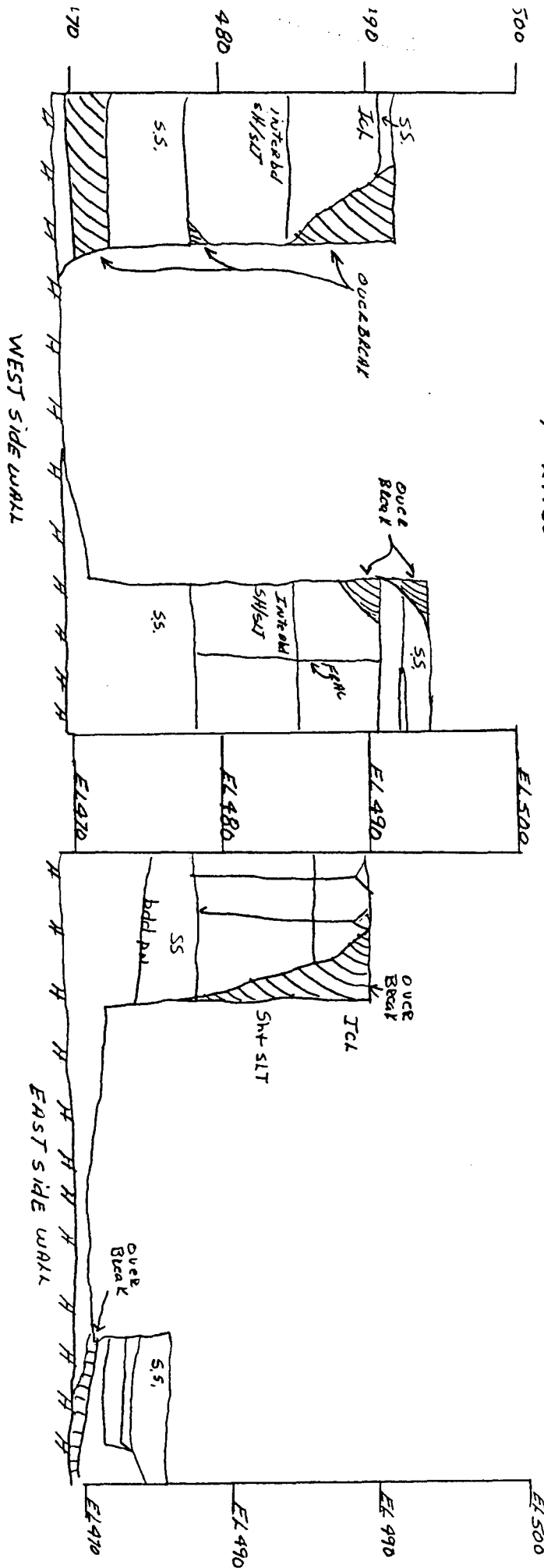
R-30



U.S. Army Corps of Engineers
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 29



STEP 29/30



WEST SIDE WALL

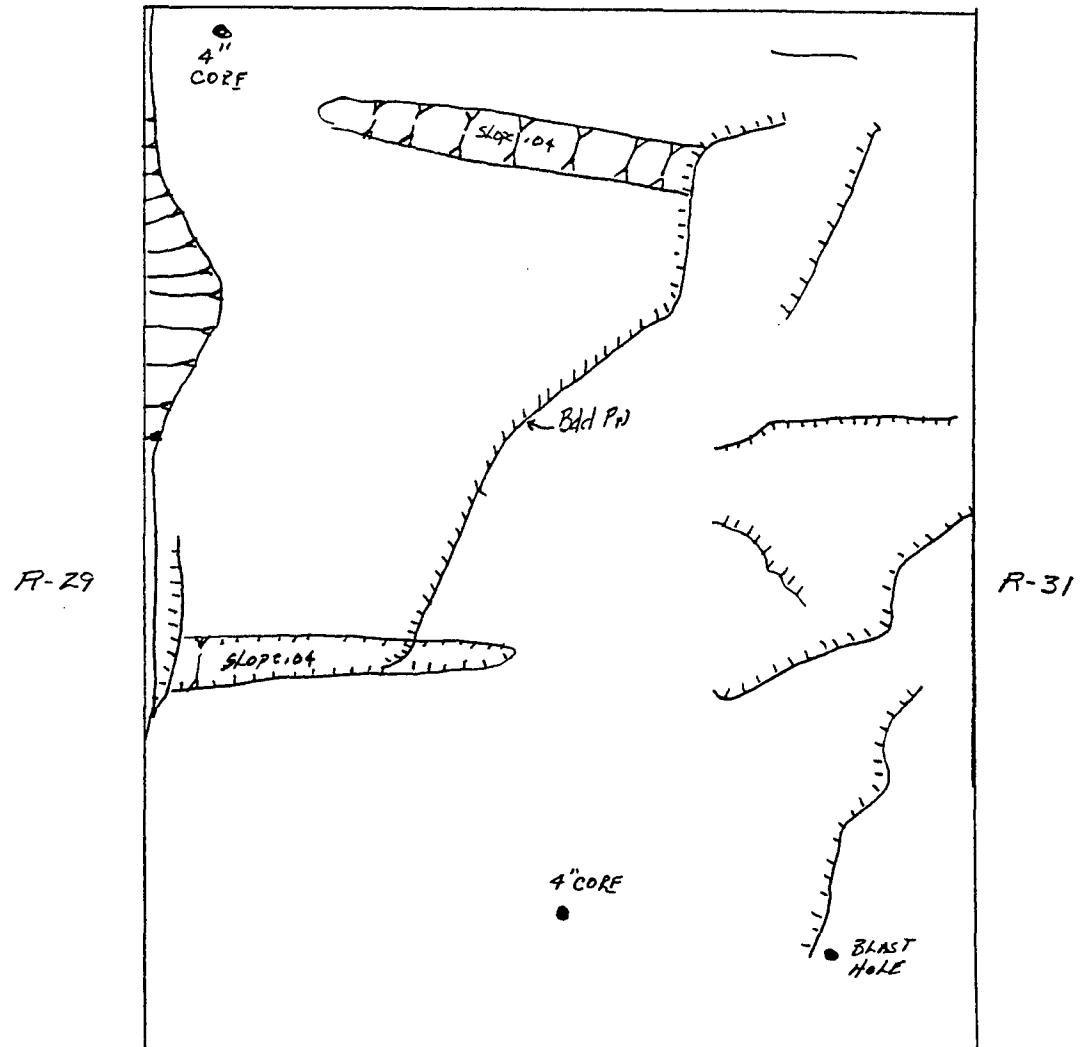
EAST SIDE WALL

U.S. Army Corps of Engineer

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 29

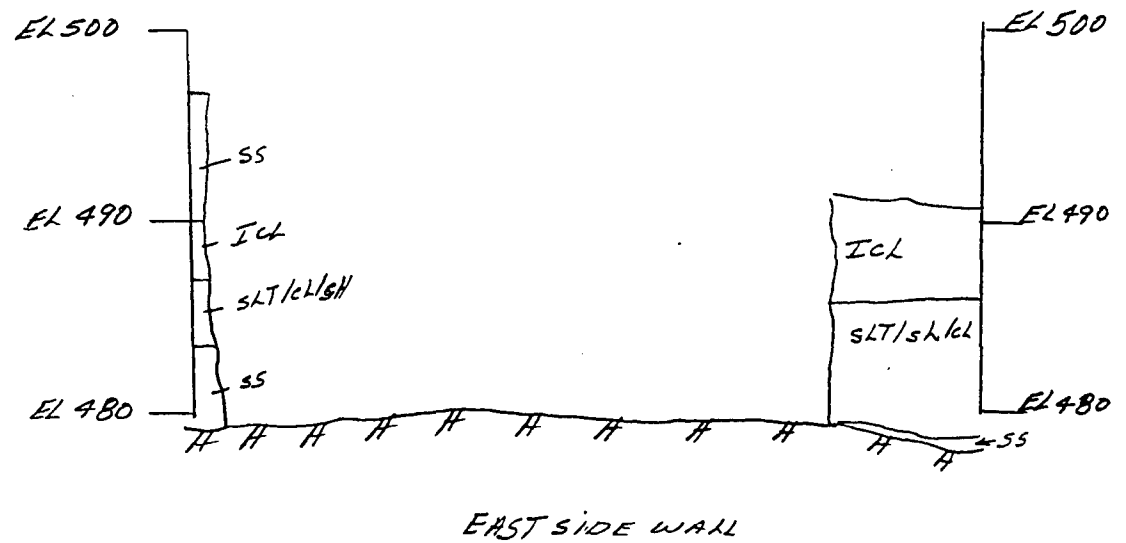
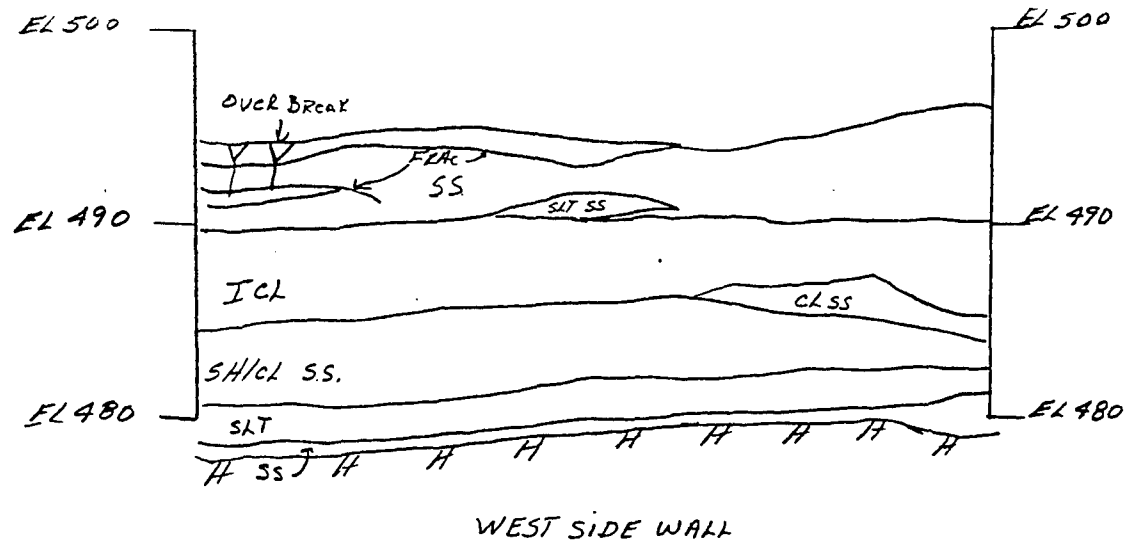
STA 13+47B

STA 13+05B



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 30

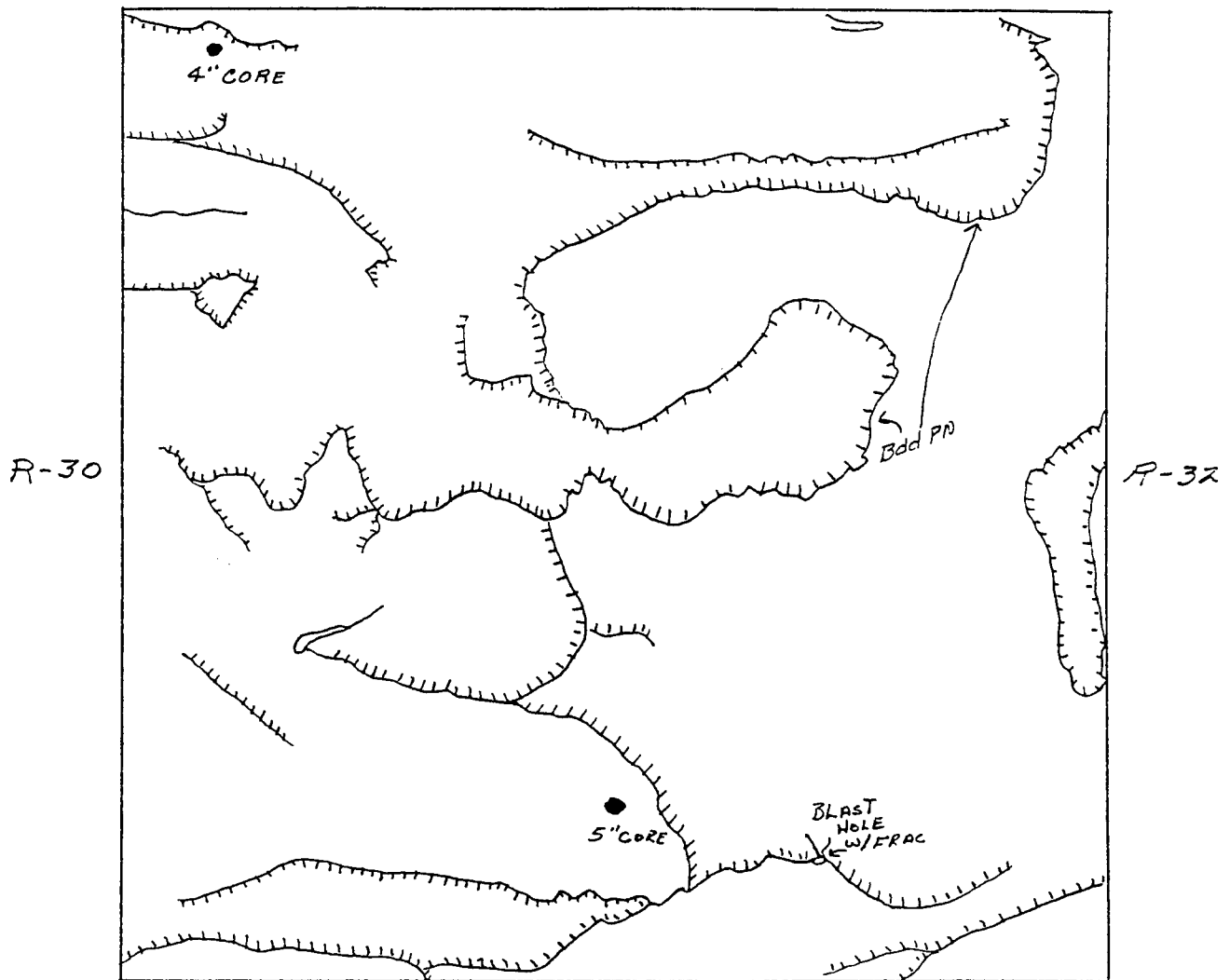


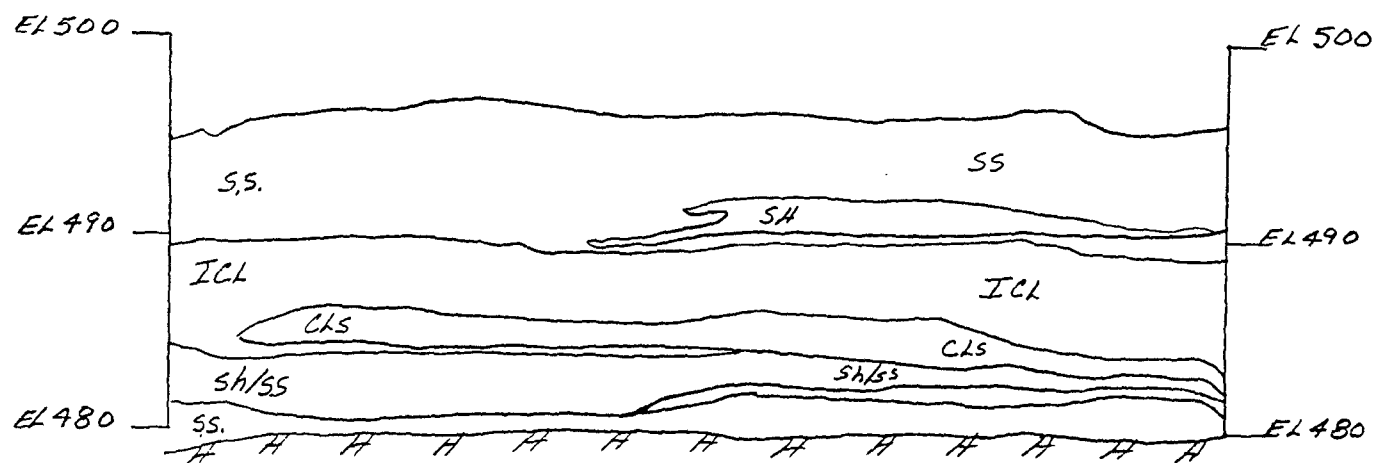
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 30

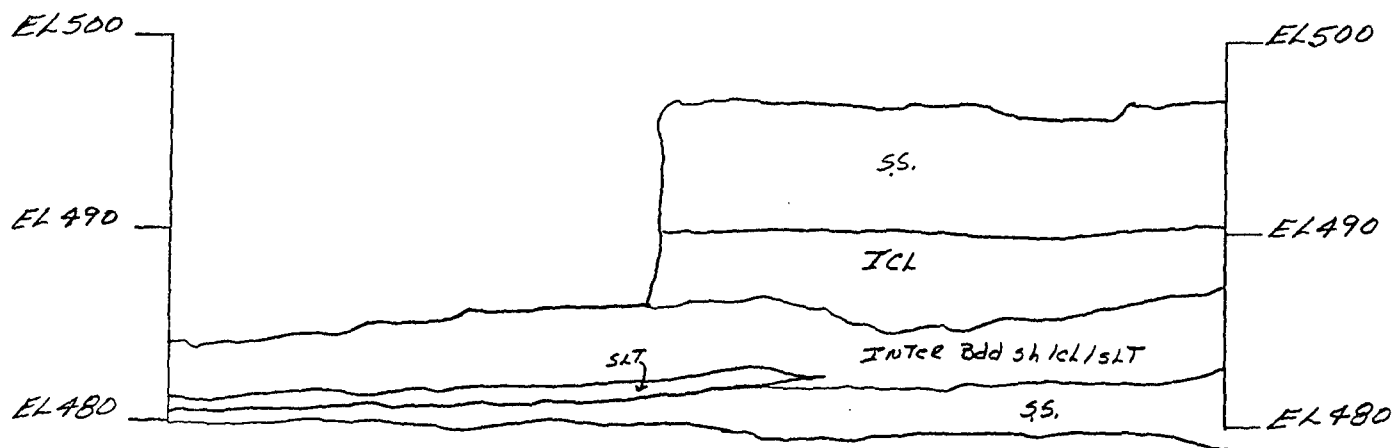
STA 13+05 B

STA 12+49 B





WEST SIDE WALL



EAST SIDE WALL

U.S. Army Corps of Engineers

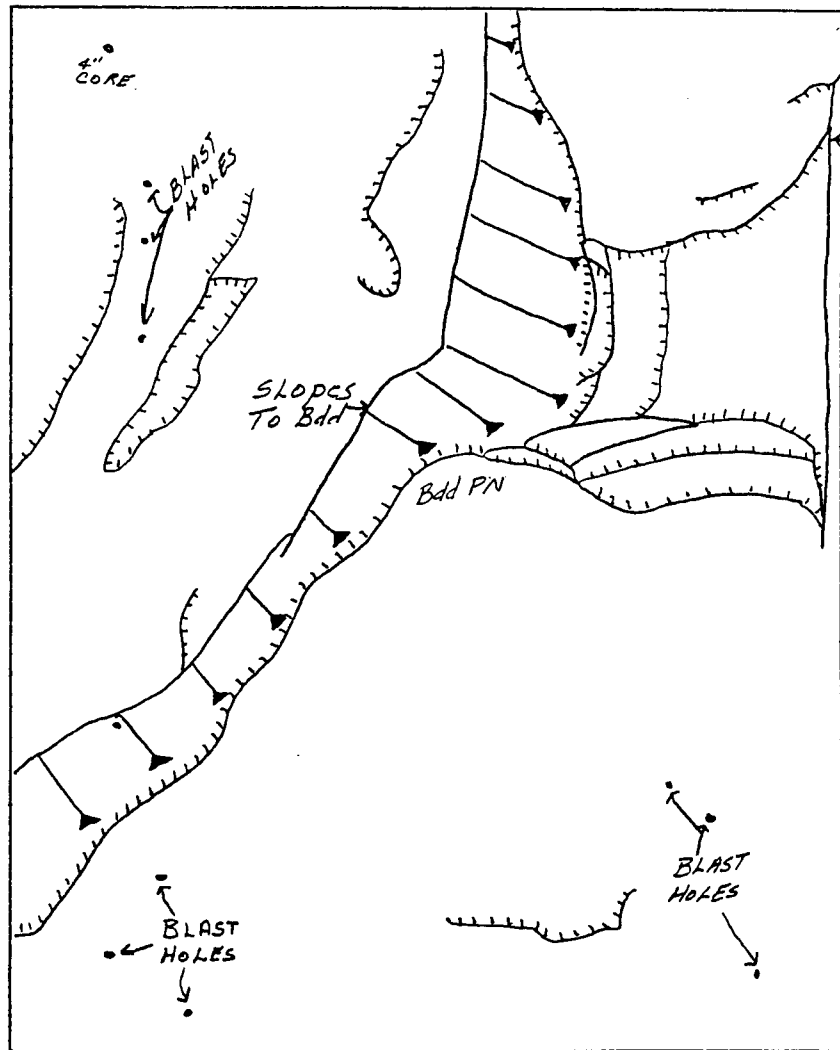
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 31

STA. 12+49.8

STA. 12+05.8

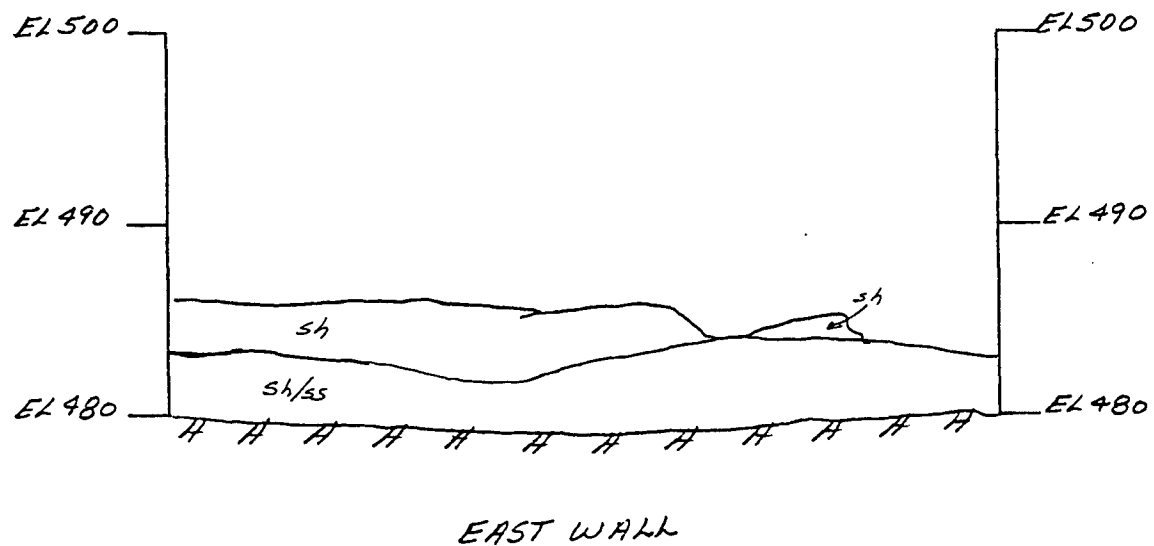
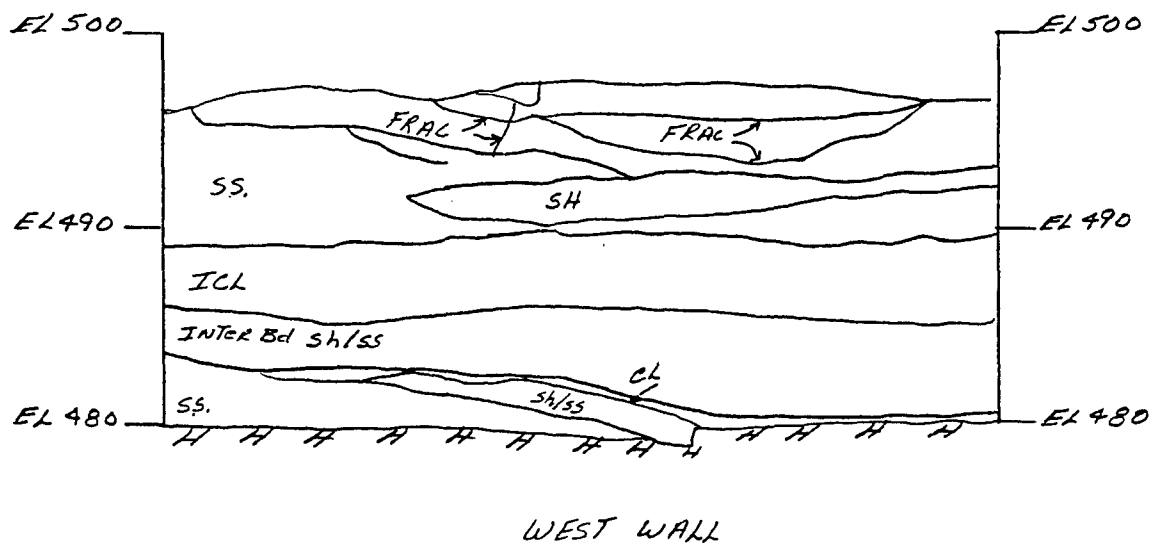
R-31

R-33



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 32

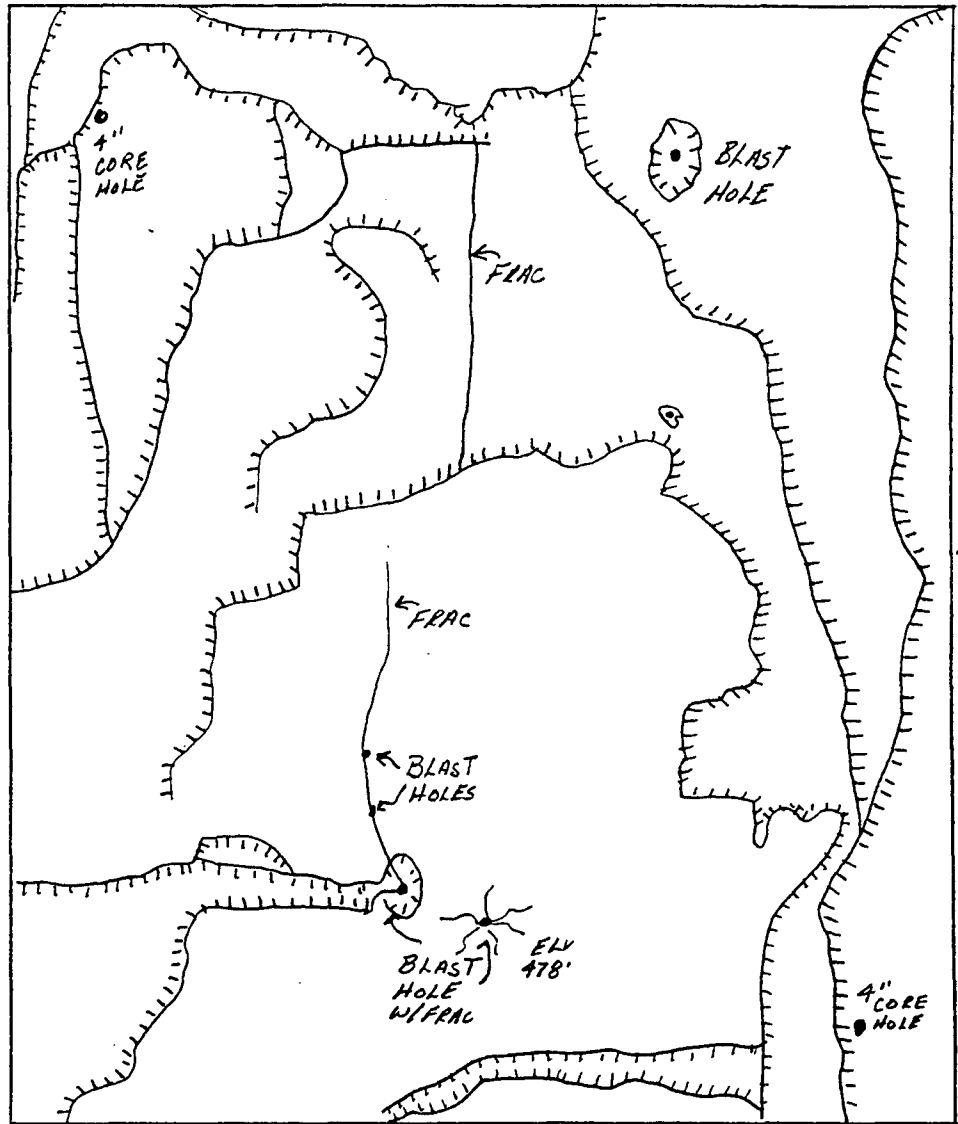


STA 12+05.

STA 11+55.

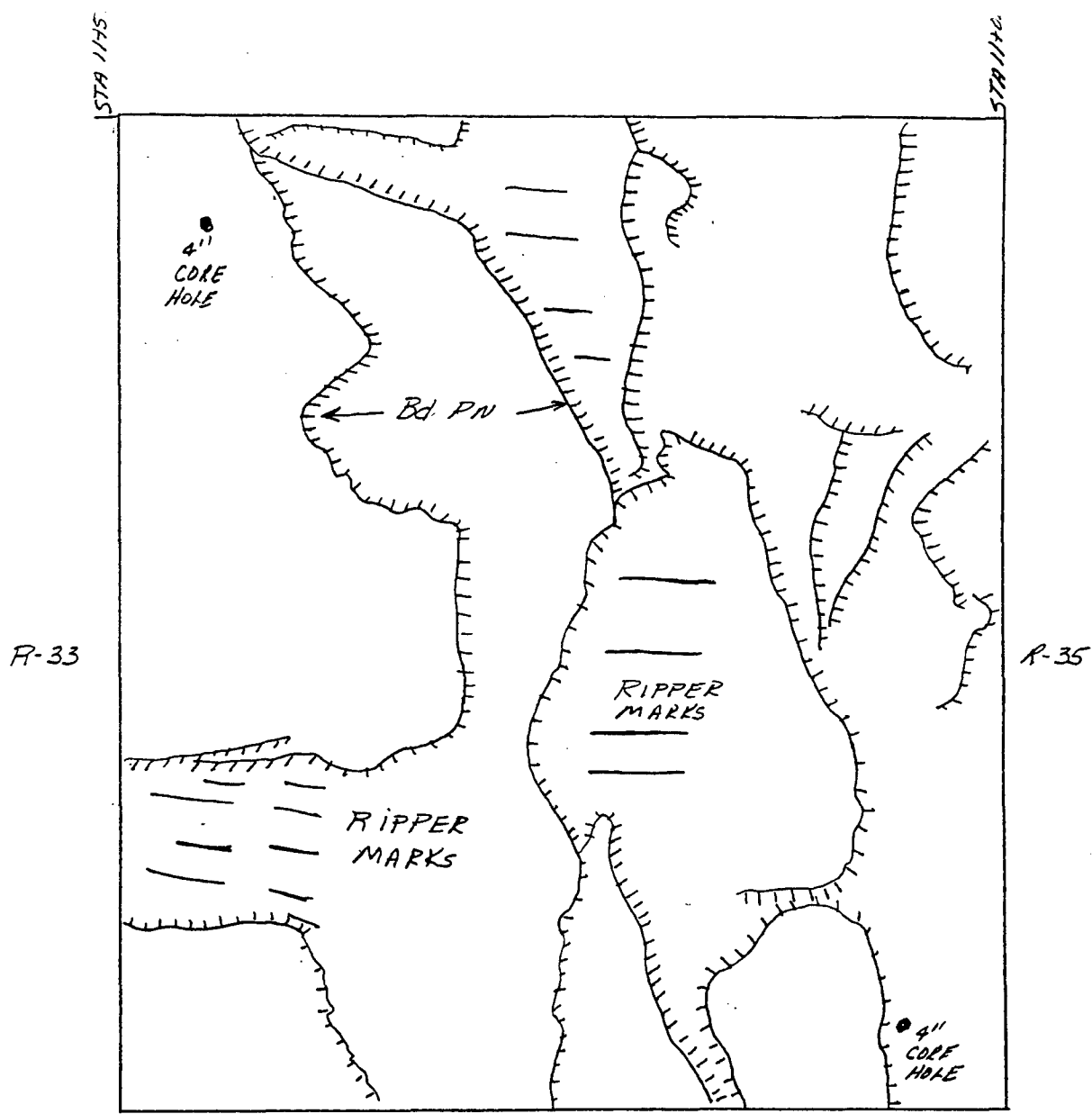
R-32

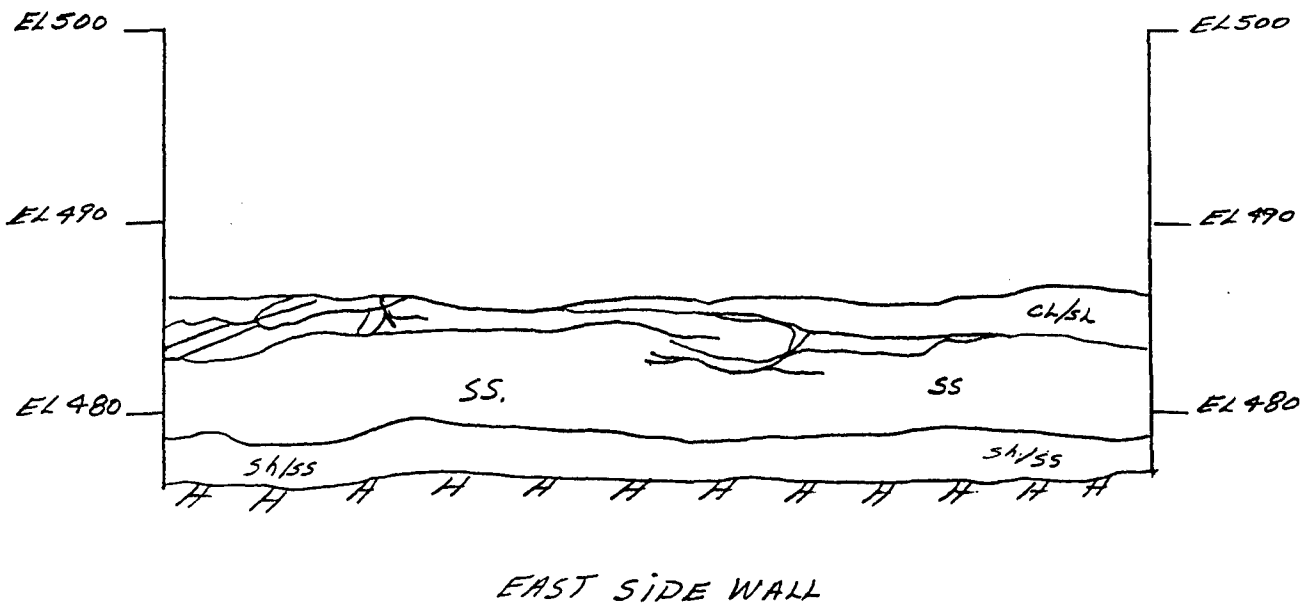
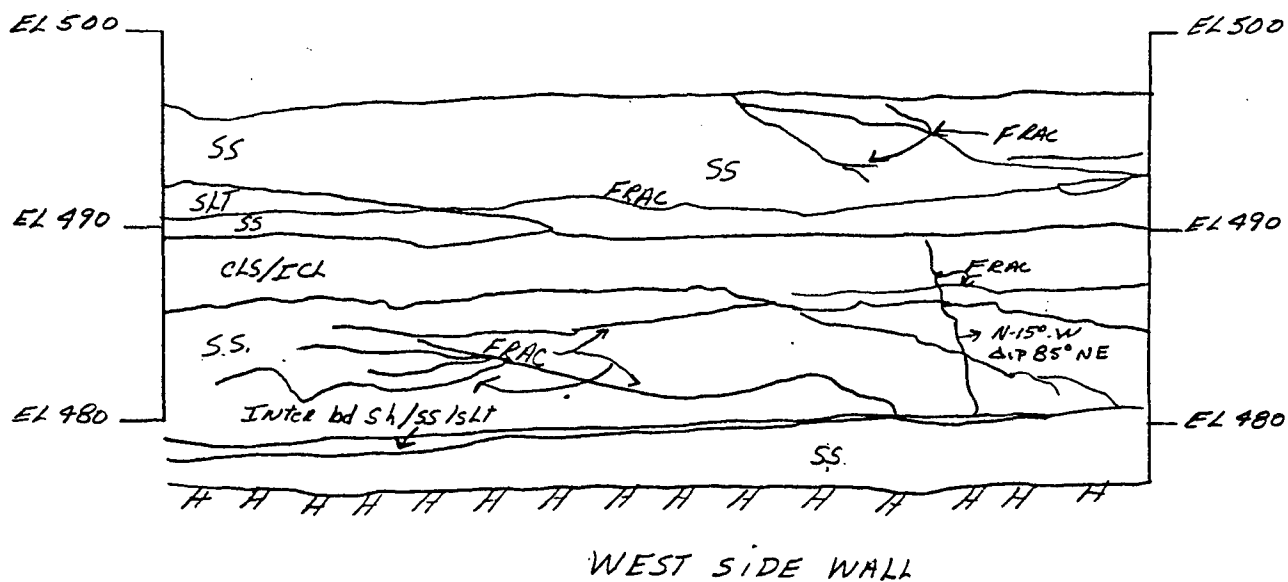
R-34



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 33





U.S. Army Corps of Engineers

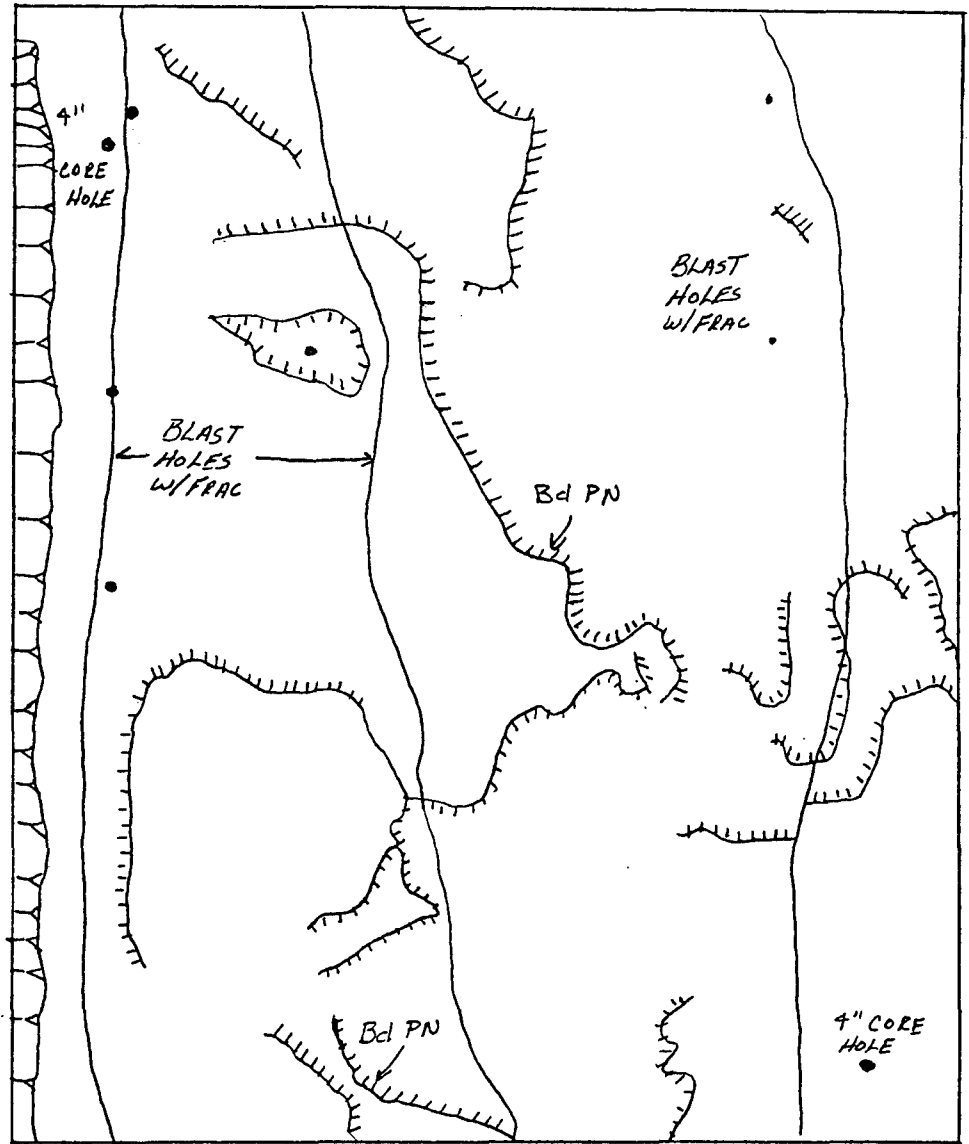
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 34

STA 11+03B

STA 10+53B

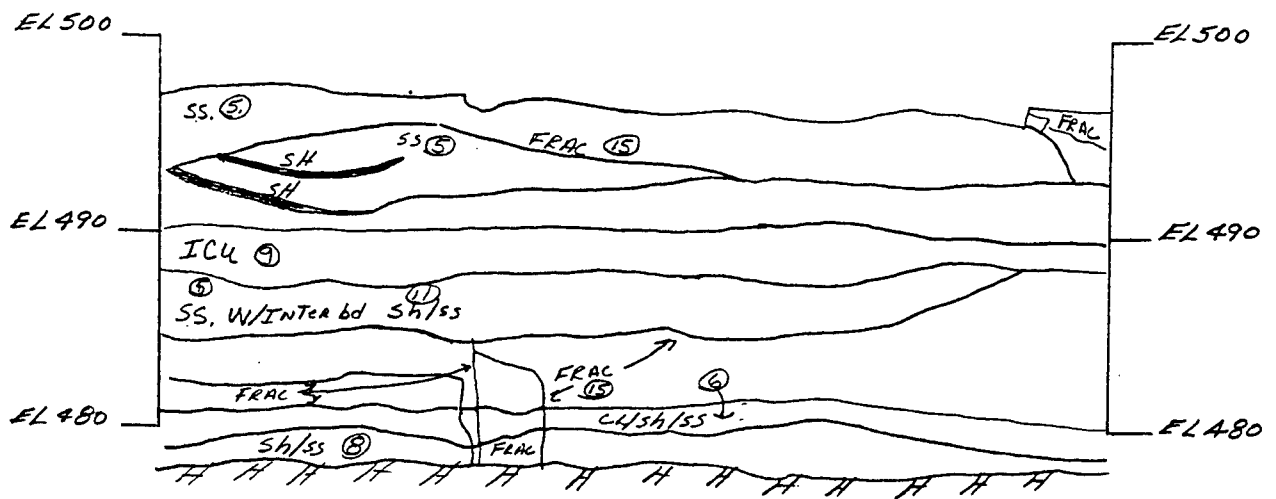
R-34.

R-36

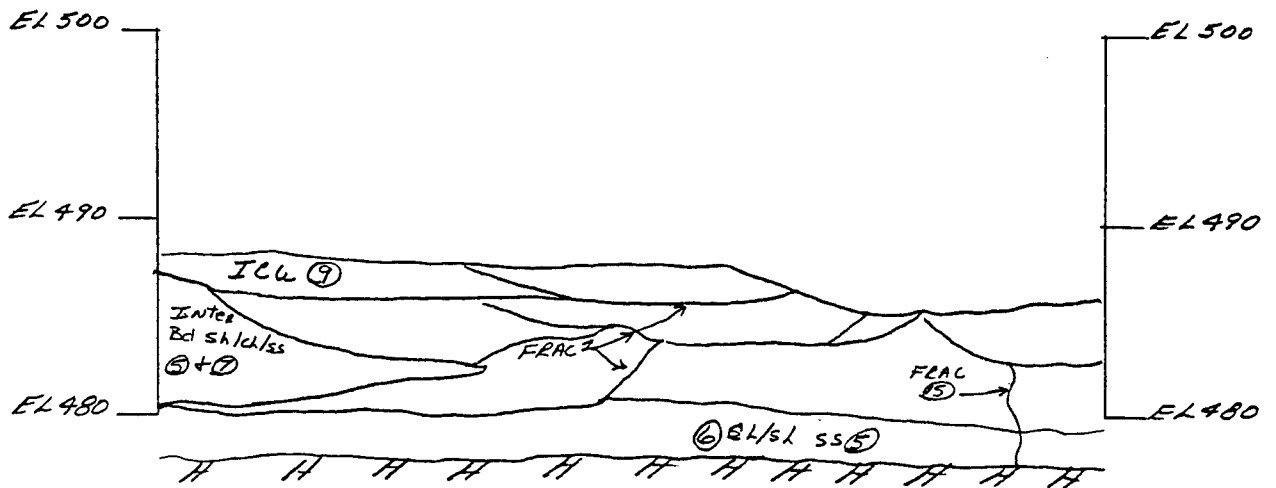


U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 35



WEST SIDE WALL



EAST SIDE WALL

U.S. Army Corps of Engineers

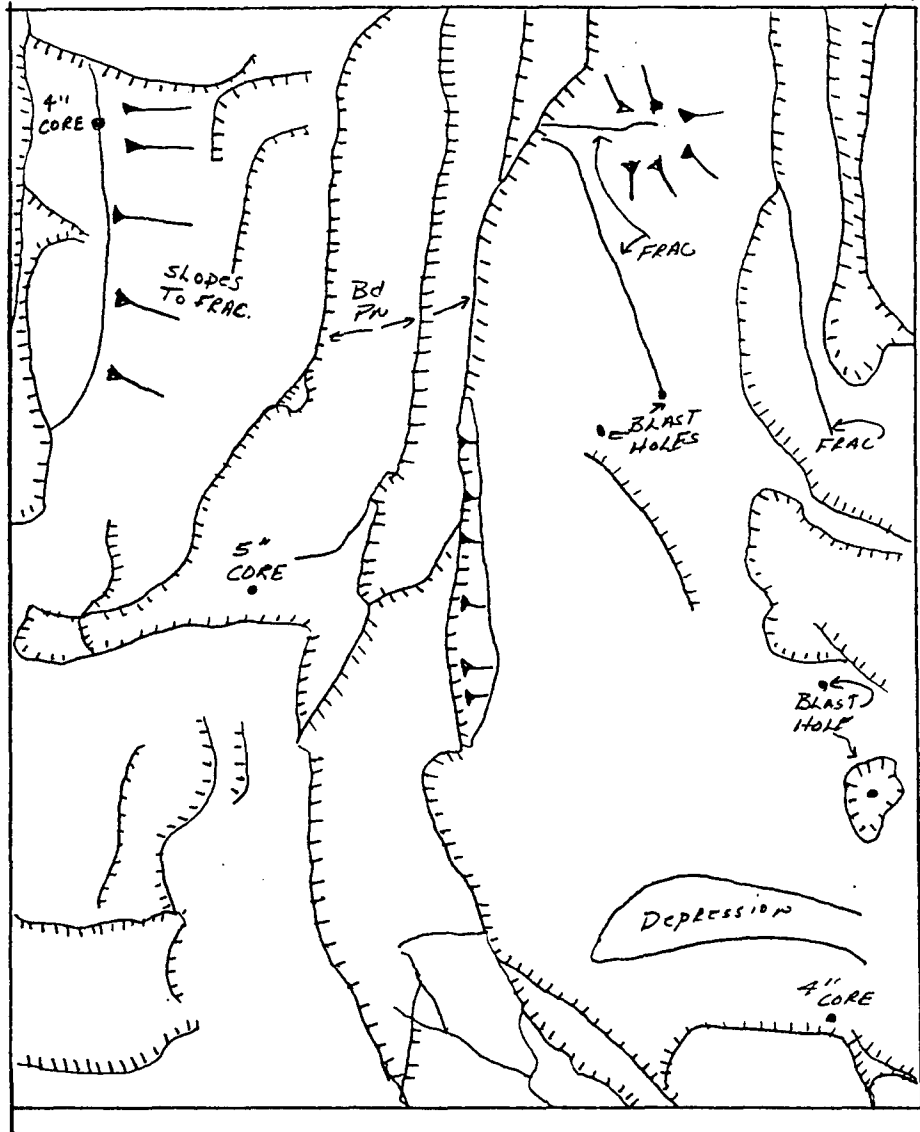
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 35

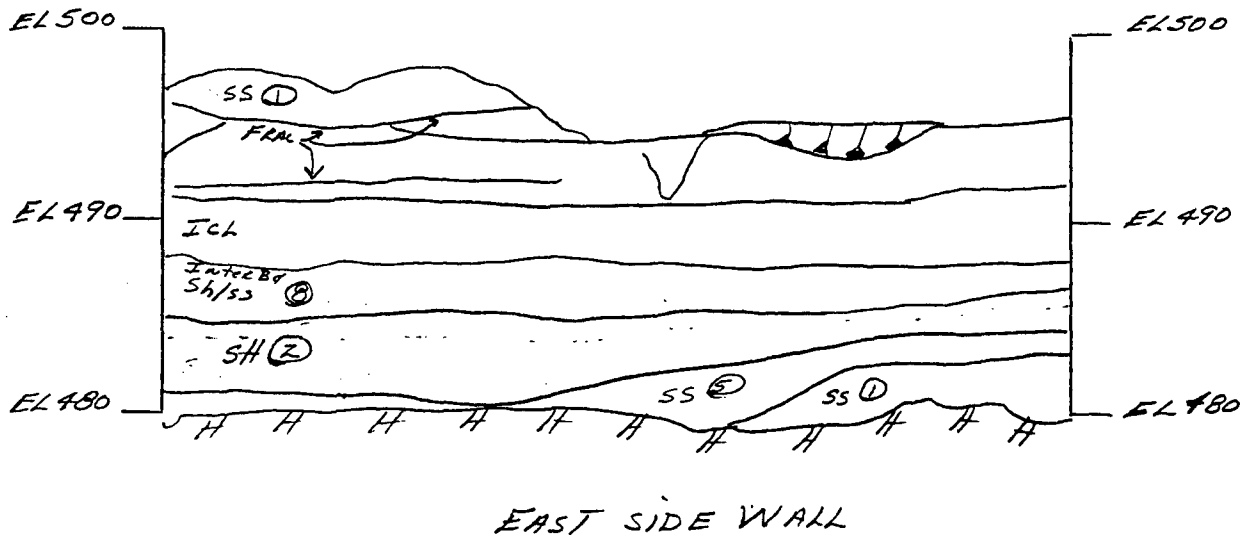
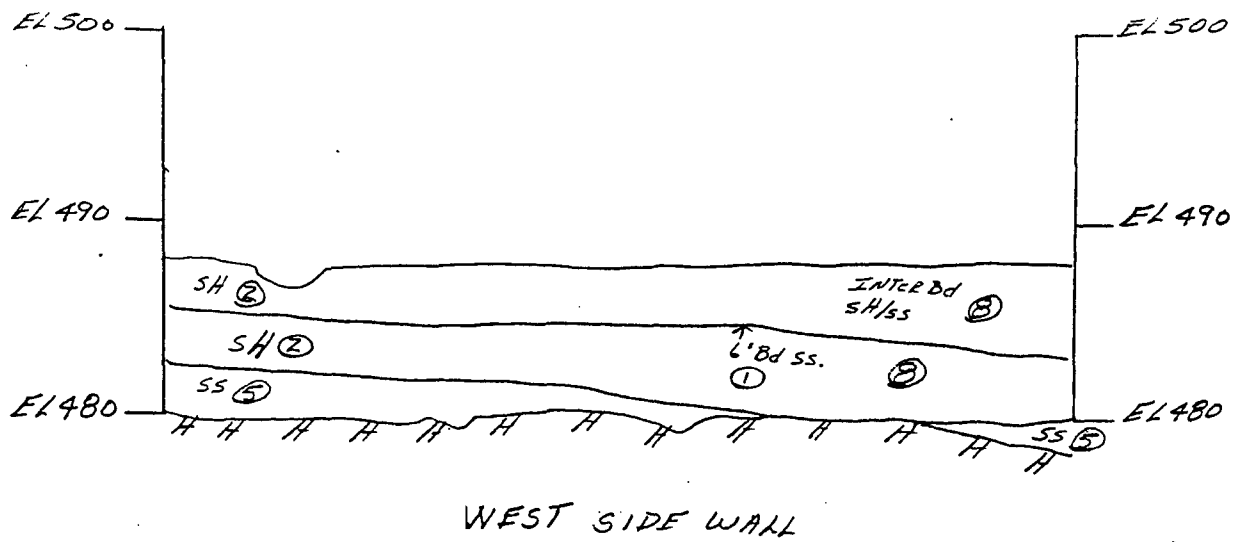
STA 10+53.8

STA 10+05.8

R-35

R-37



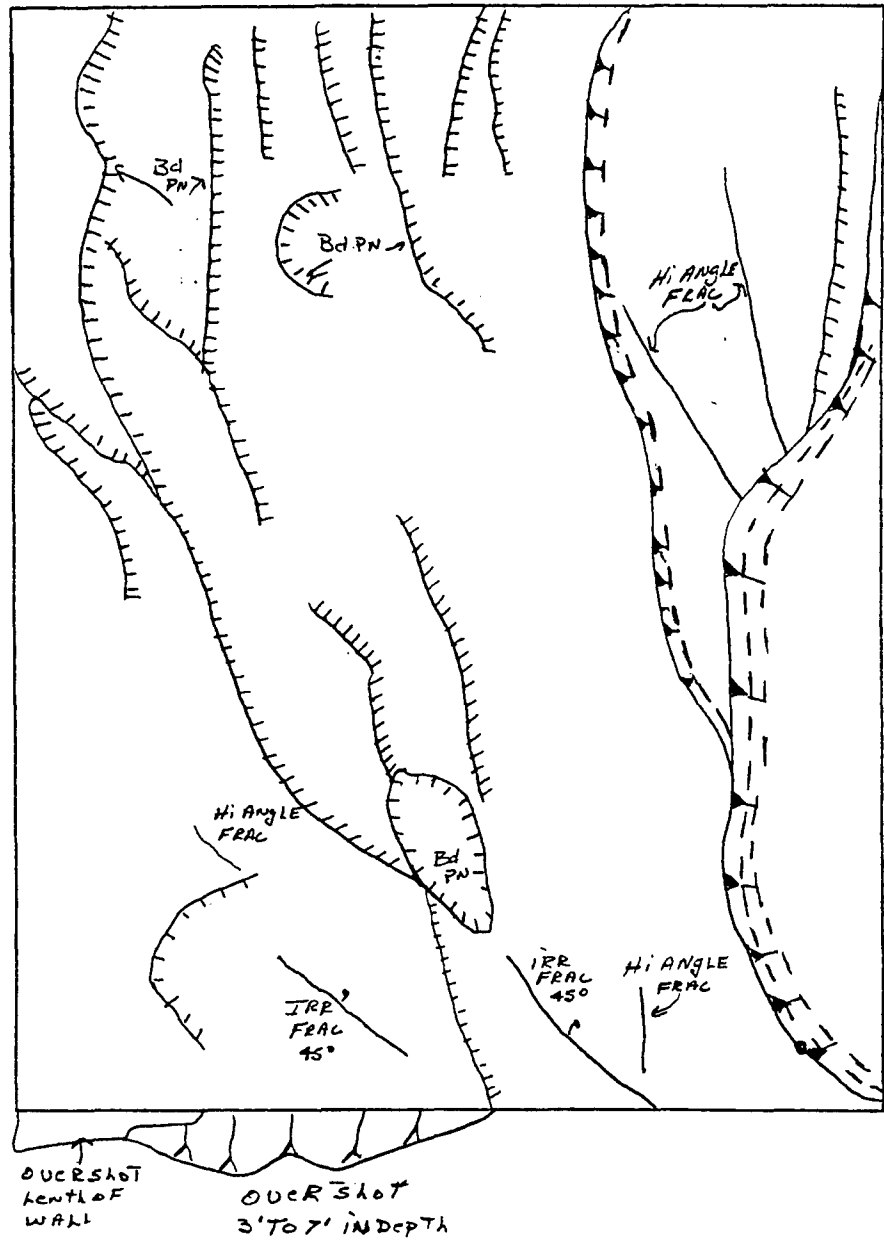


STA 10+05.8

STA 9+59.8

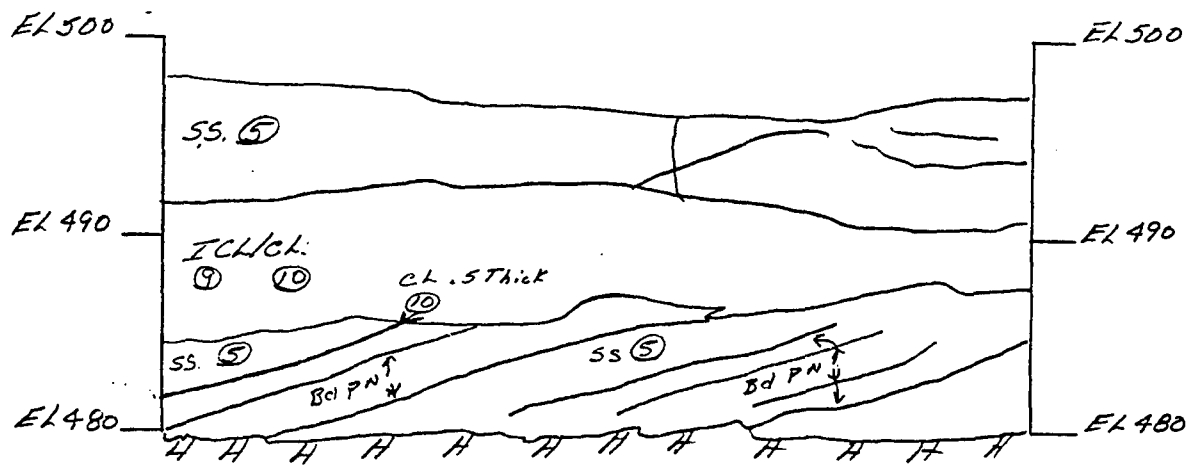
R-36

R-38

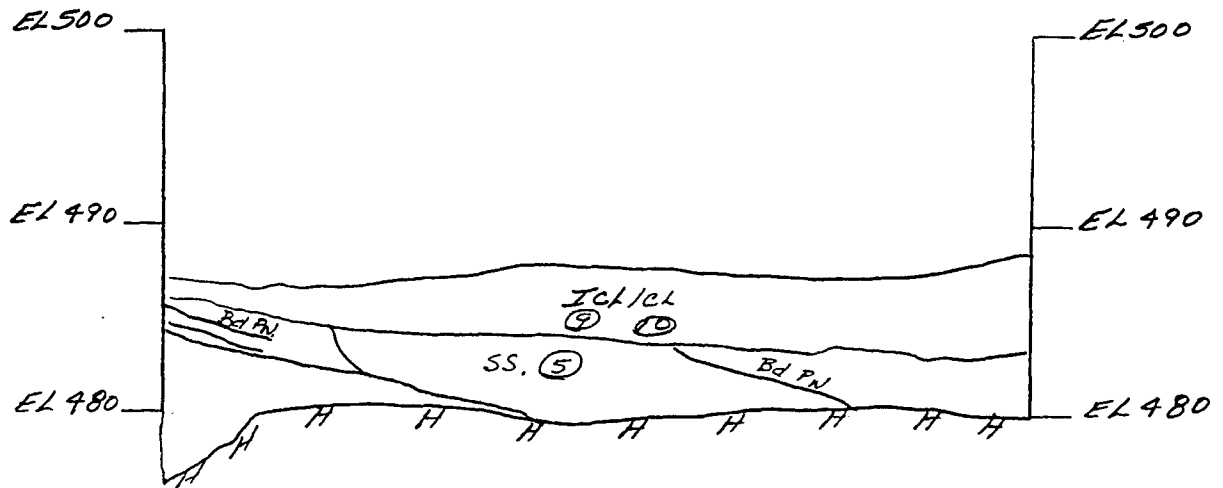


U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 37



WEST SIDE WALL



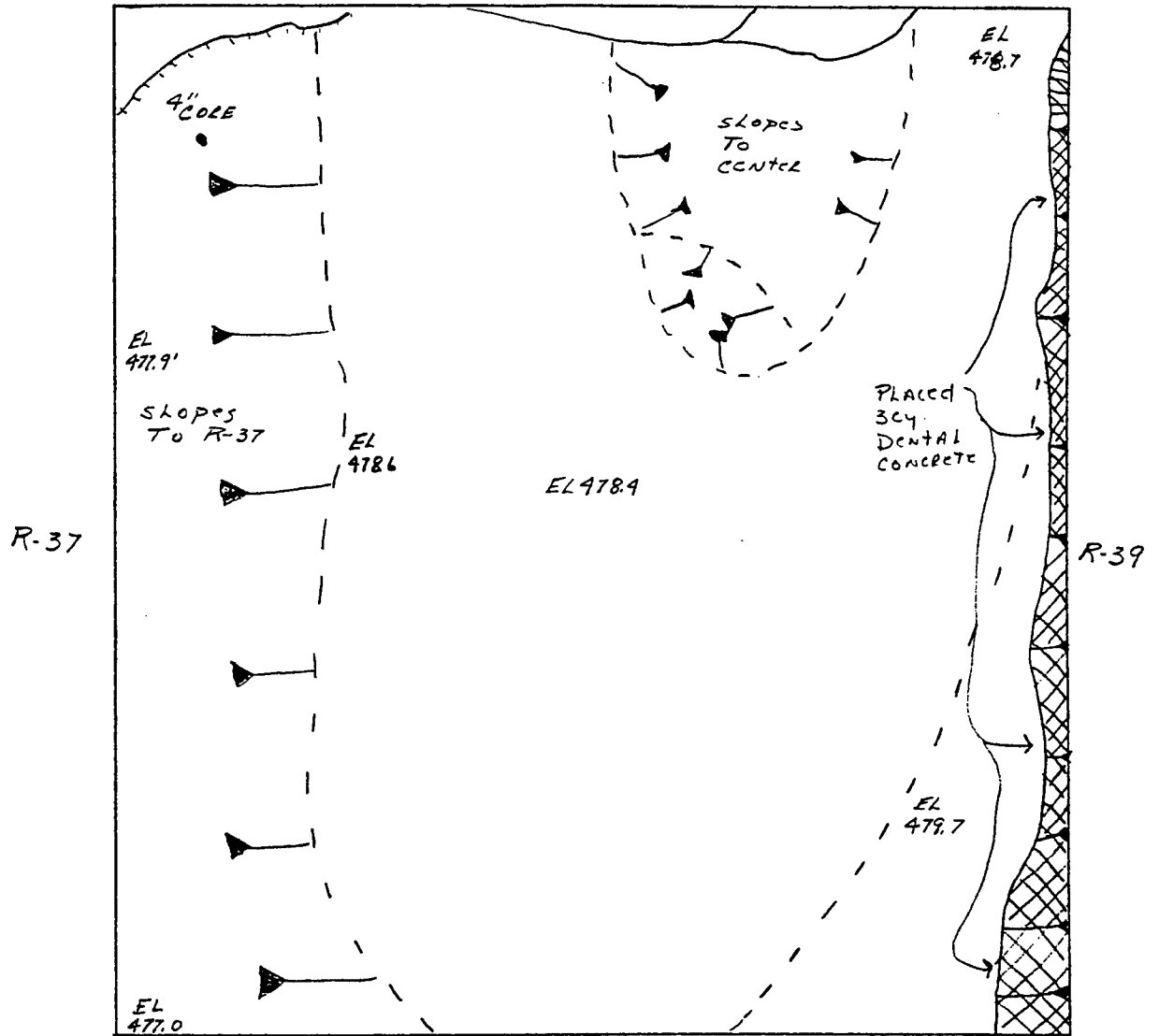
EAST SIDE WALL

U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 37

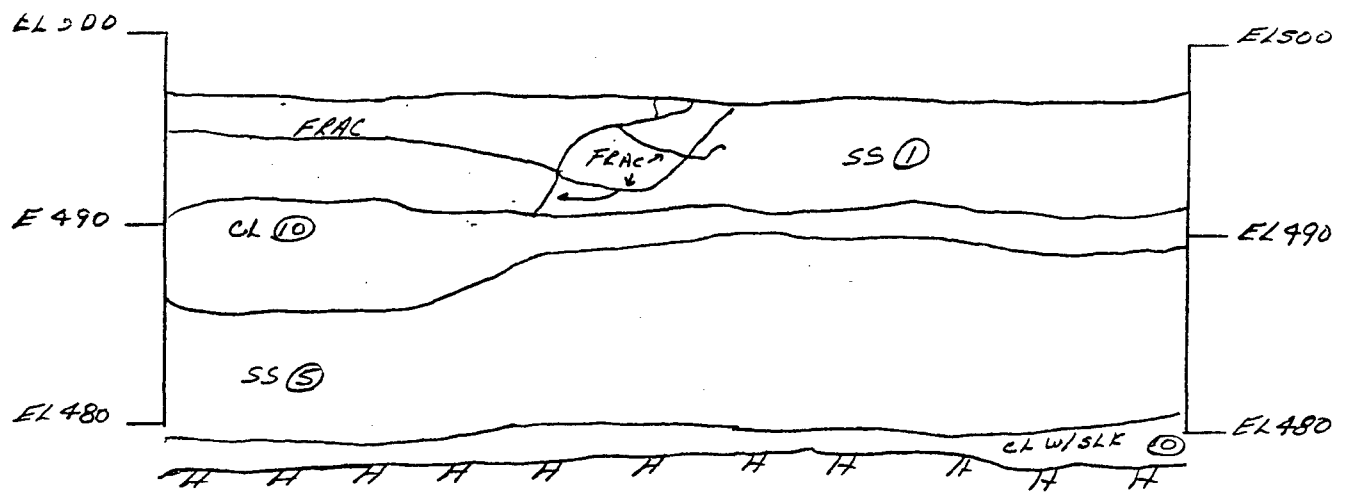
STA 9+59.8

STA 9+05.8

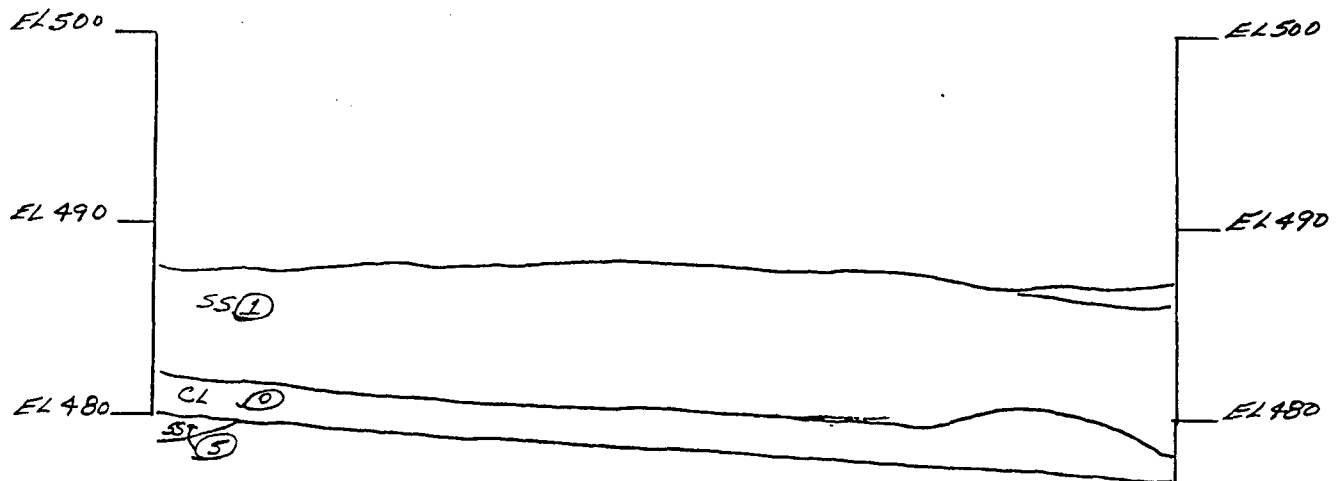


U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 38



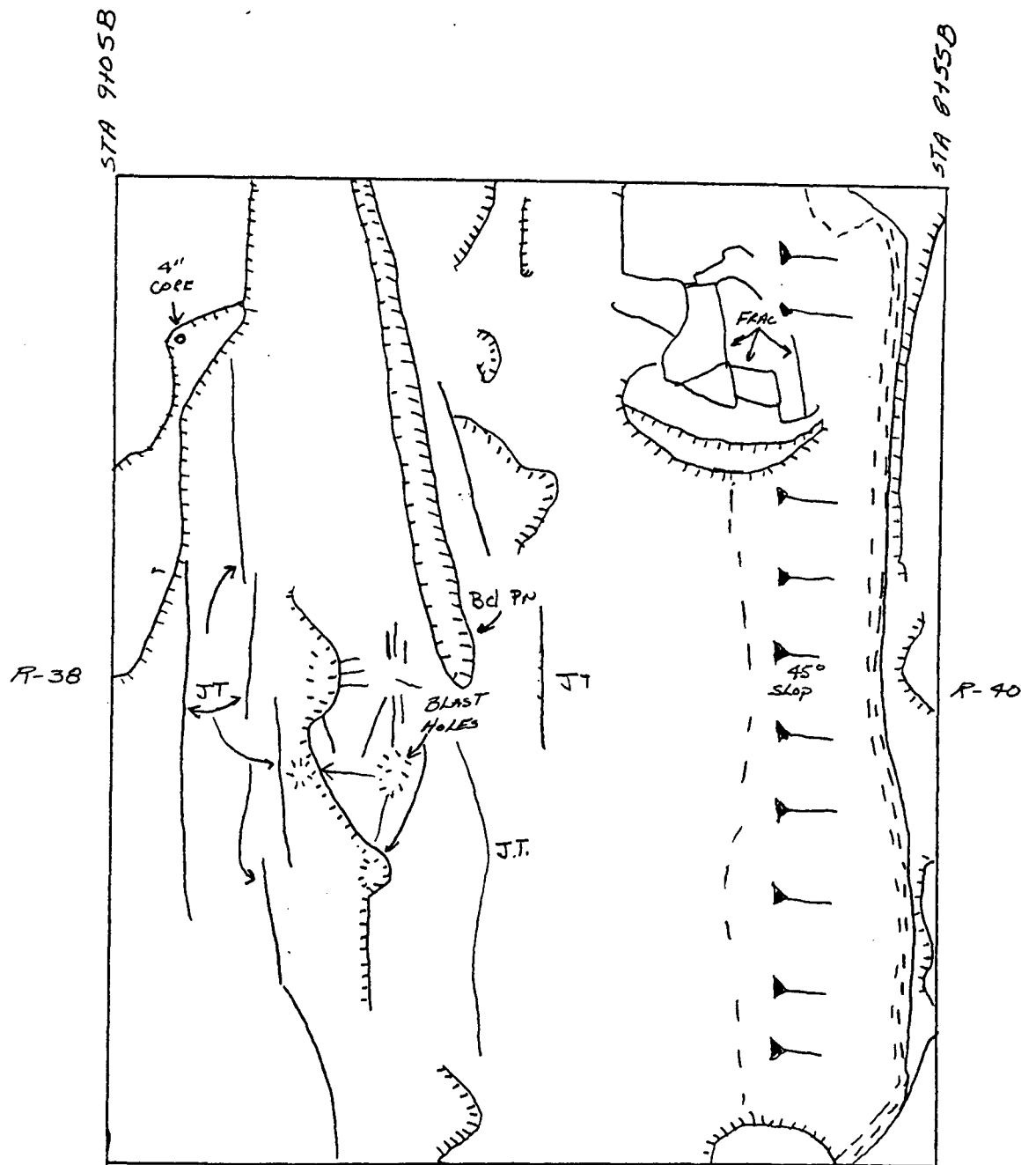
WEST SIDE WALL

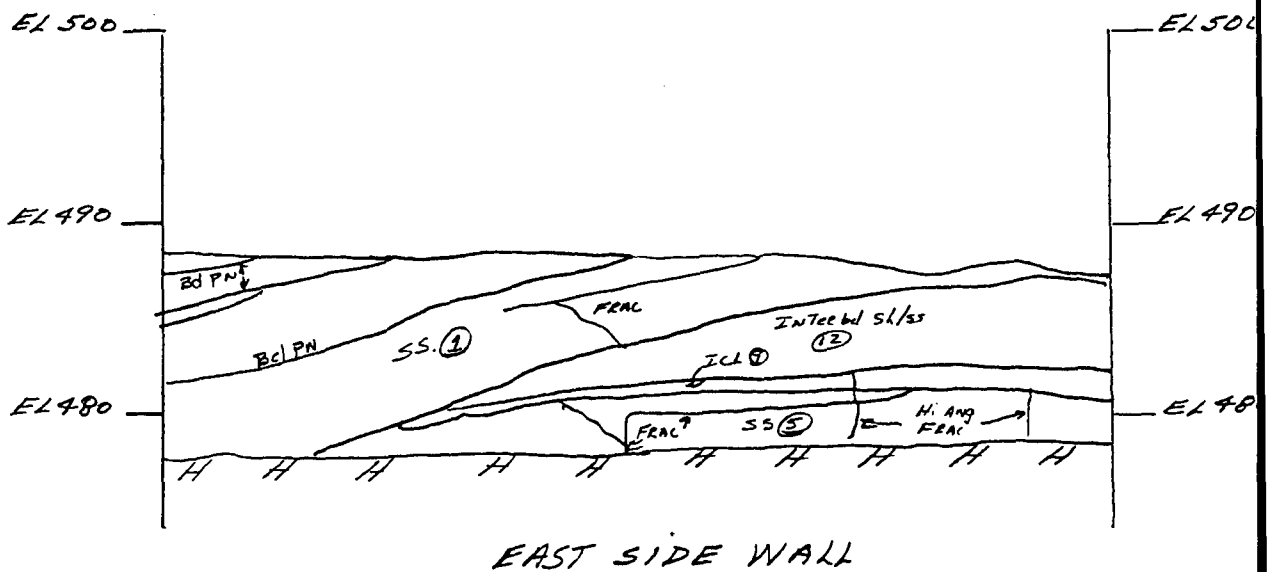
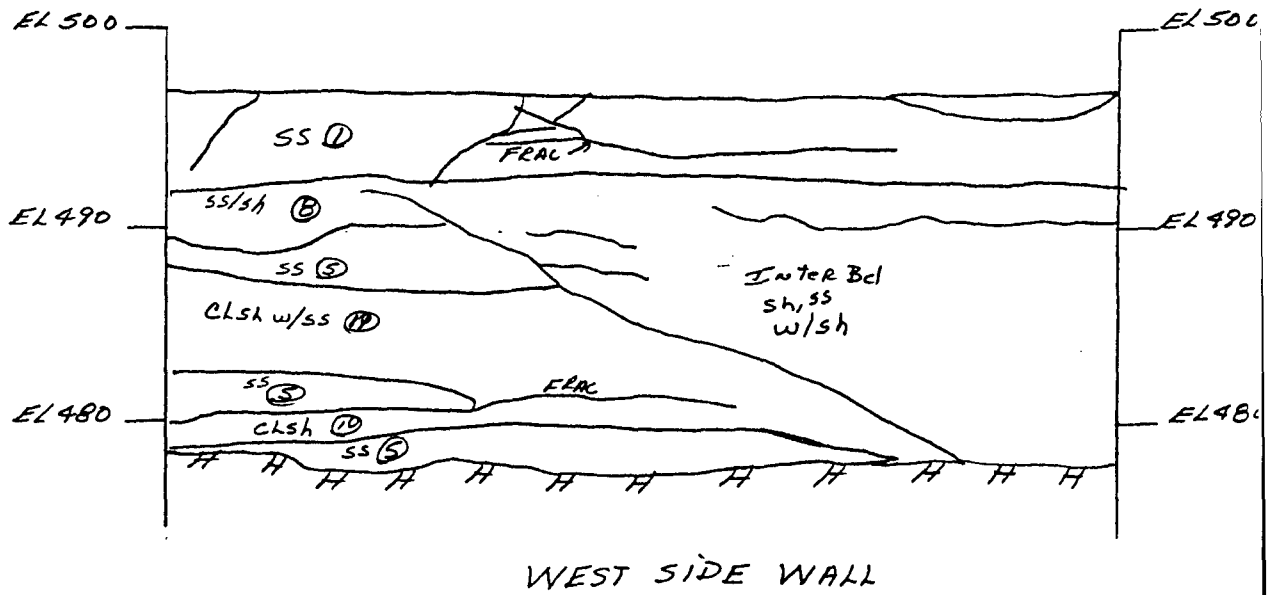


EAST SIDE WALL

U.S. Army Corps of Engineers

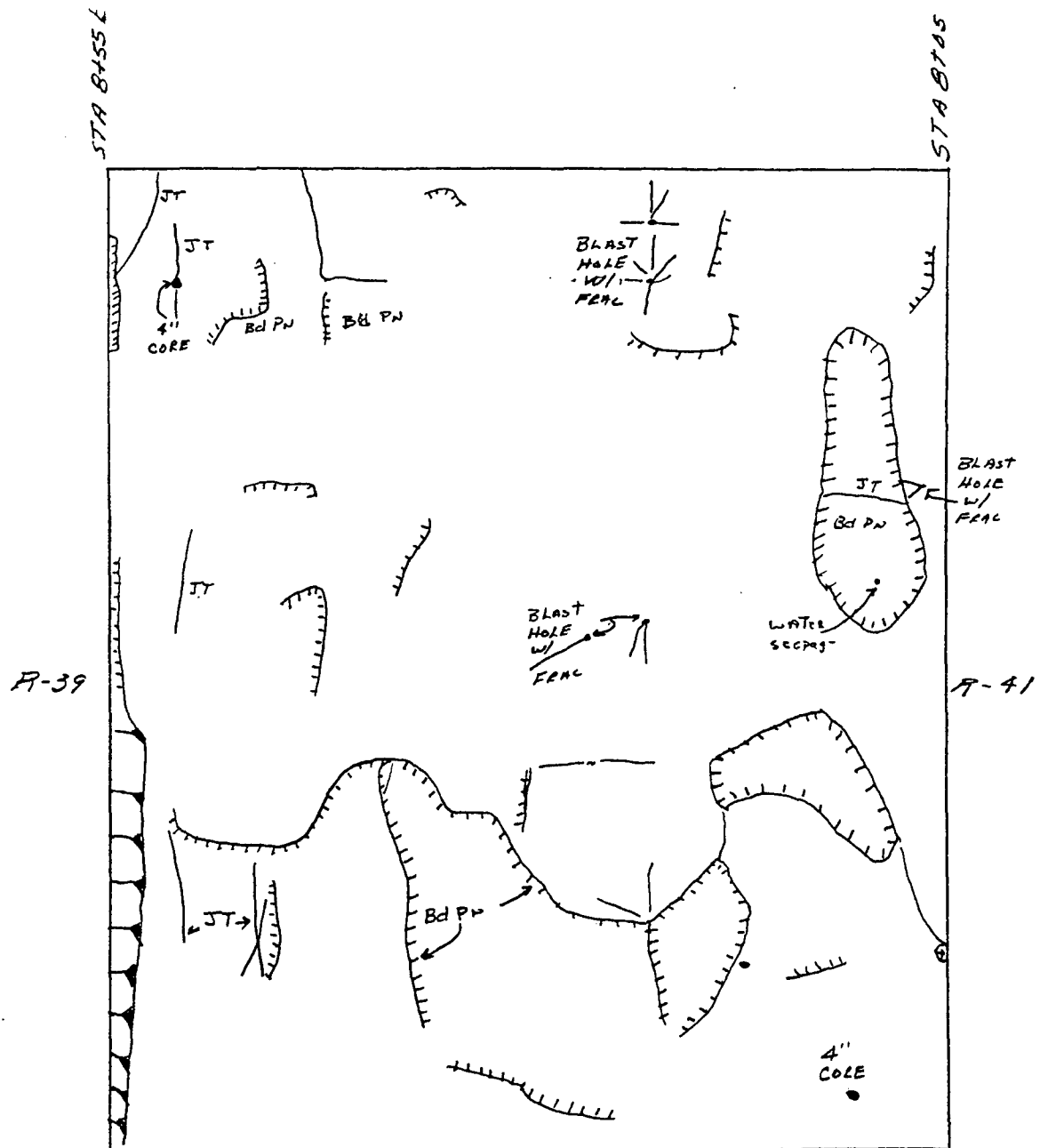
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 38





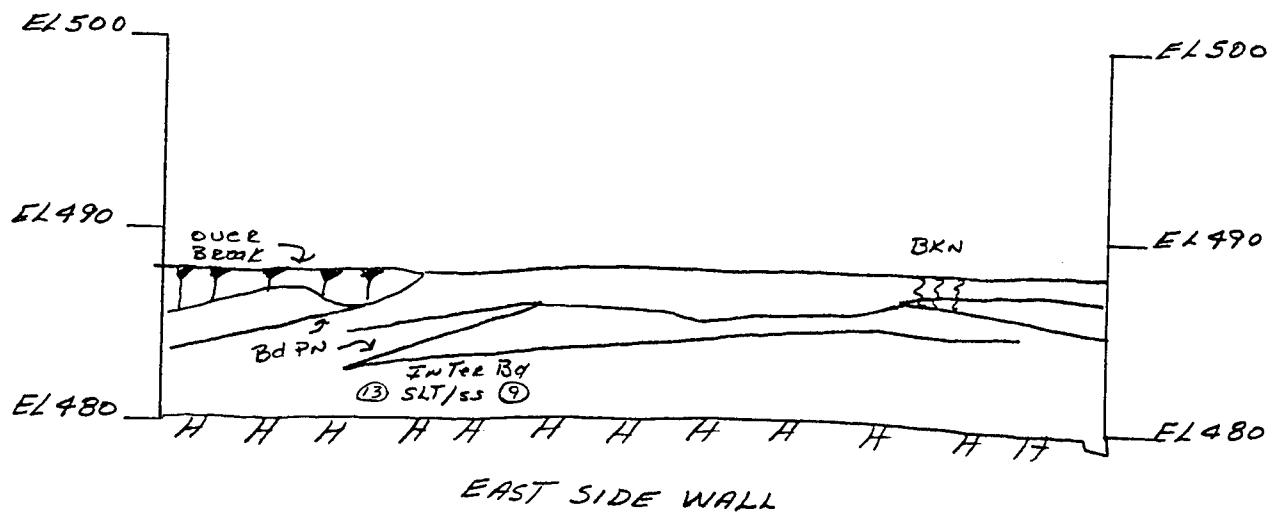
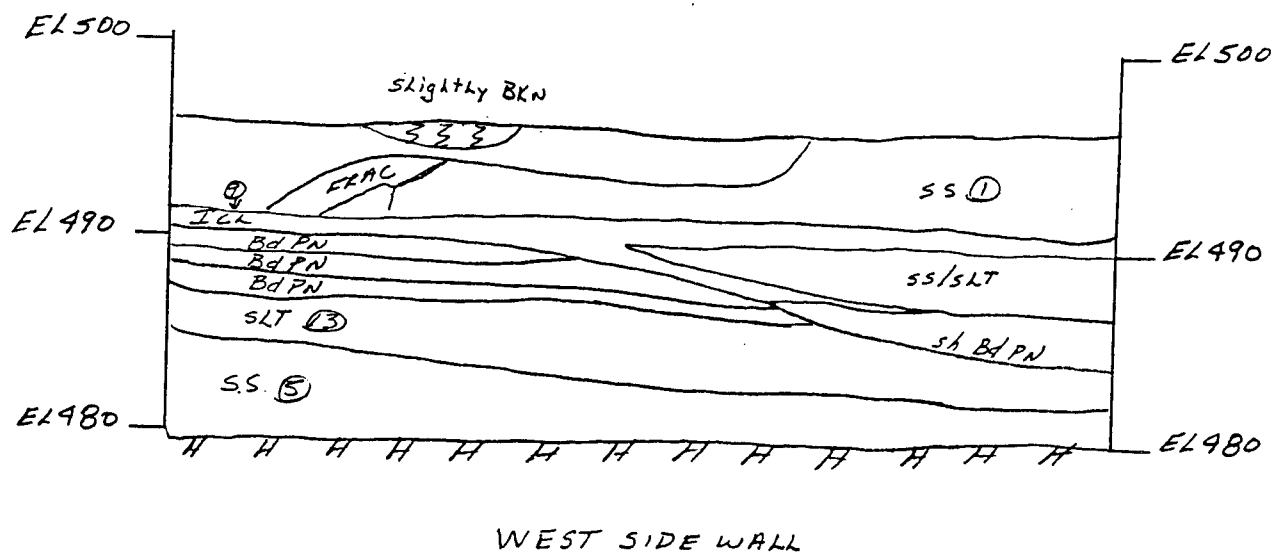
U.S. Army Corps of Engineer

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 39



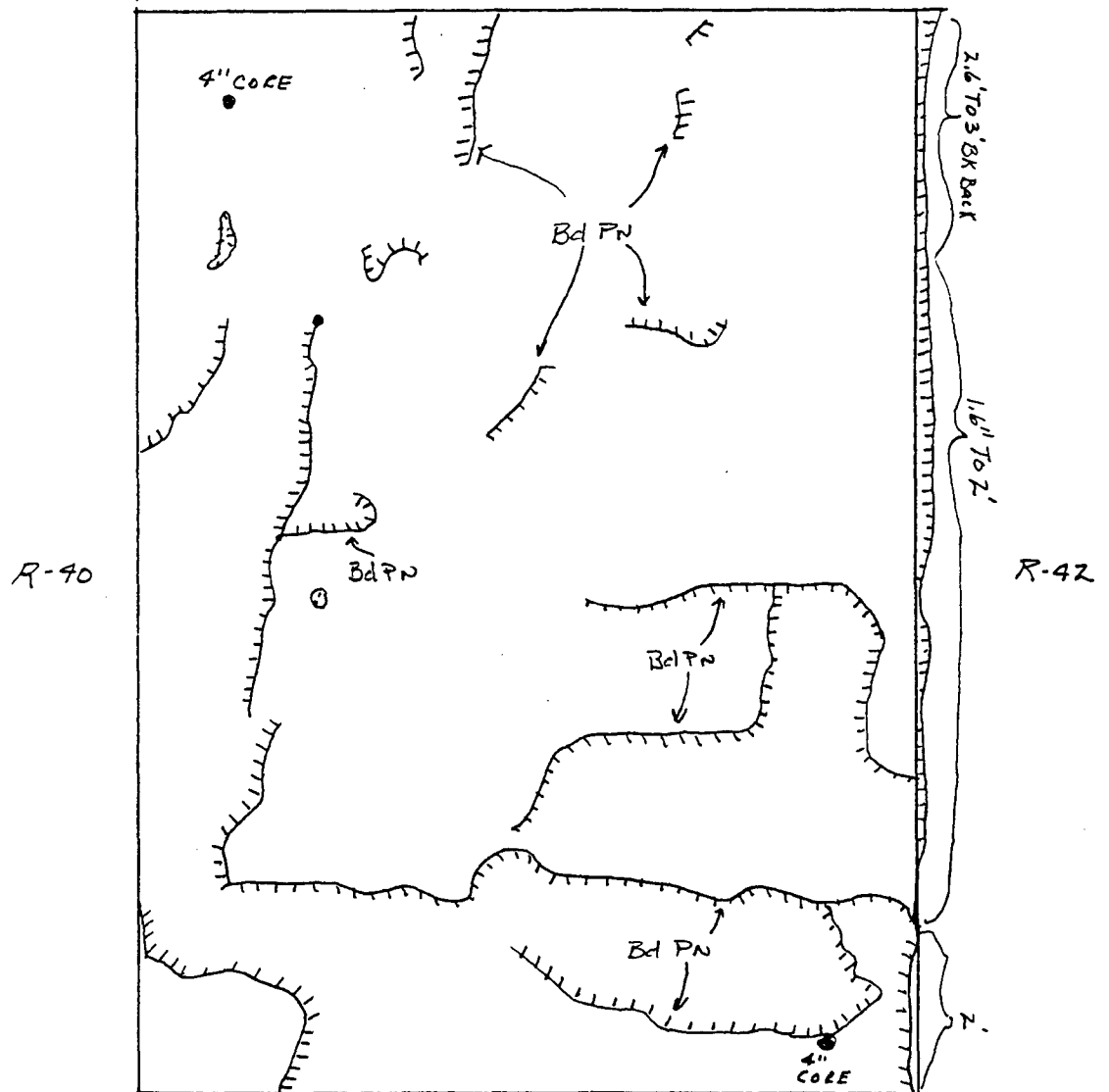
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 40



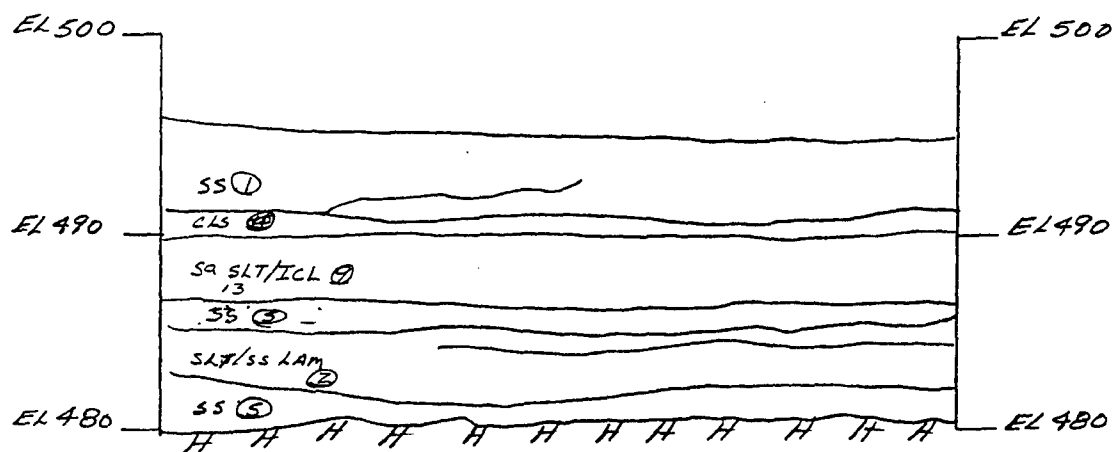
STA 8405B

STA 7+63B

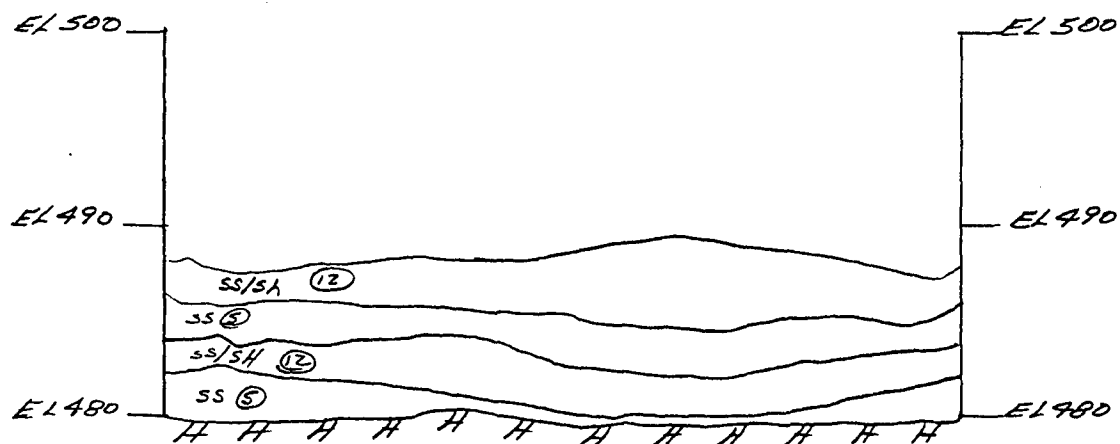


U.S. Army Corps of Engineers

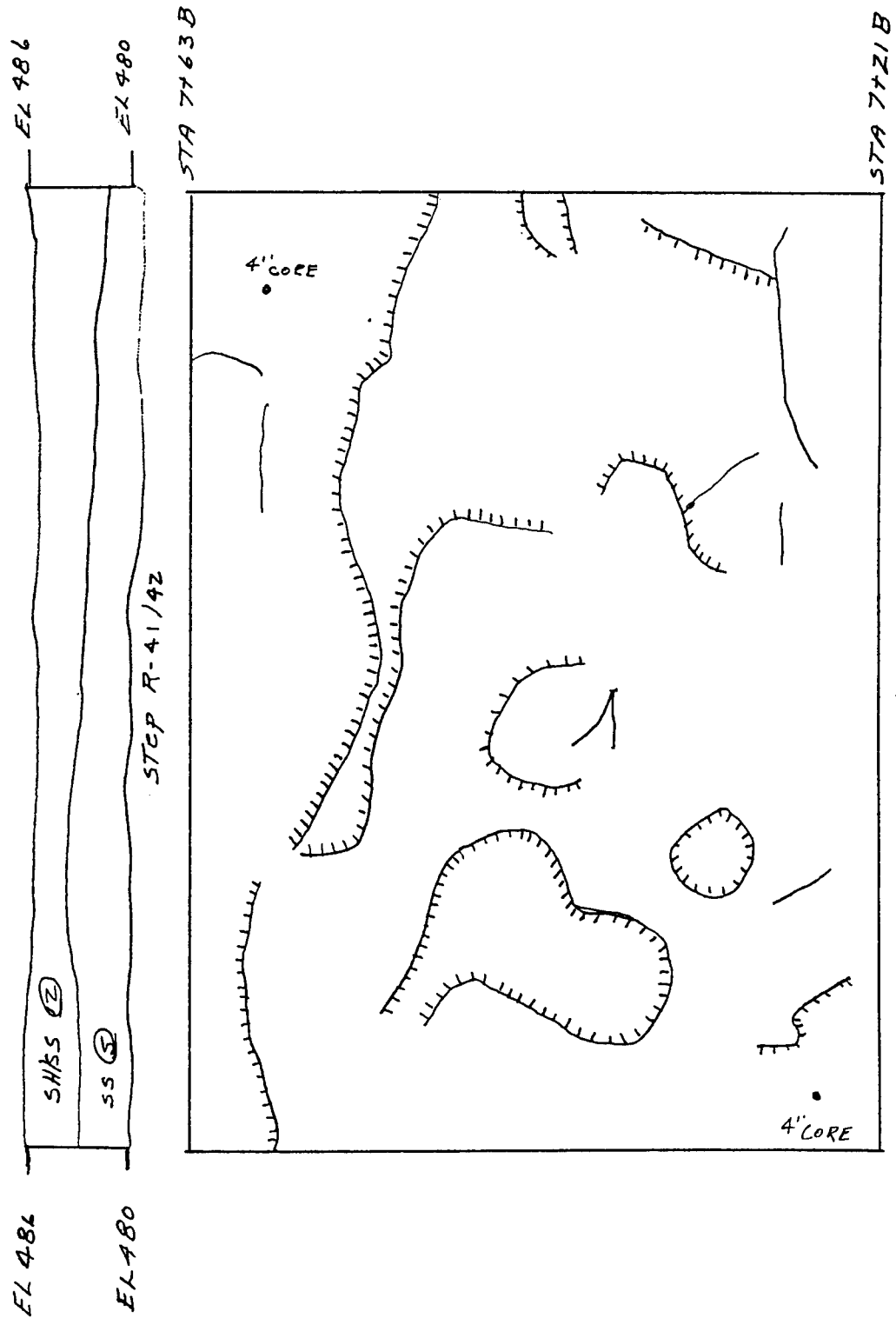
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 41



WEST SIDE WALL

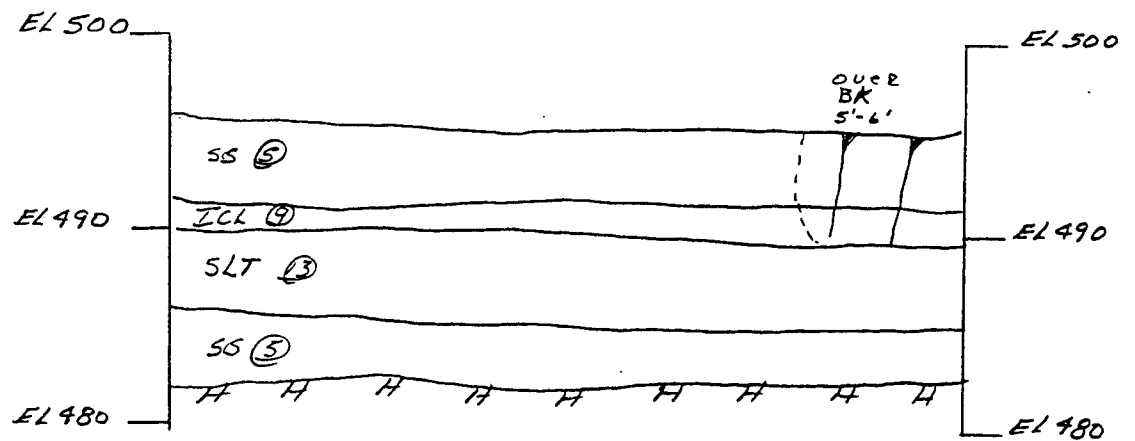


EAST SIDE WALL

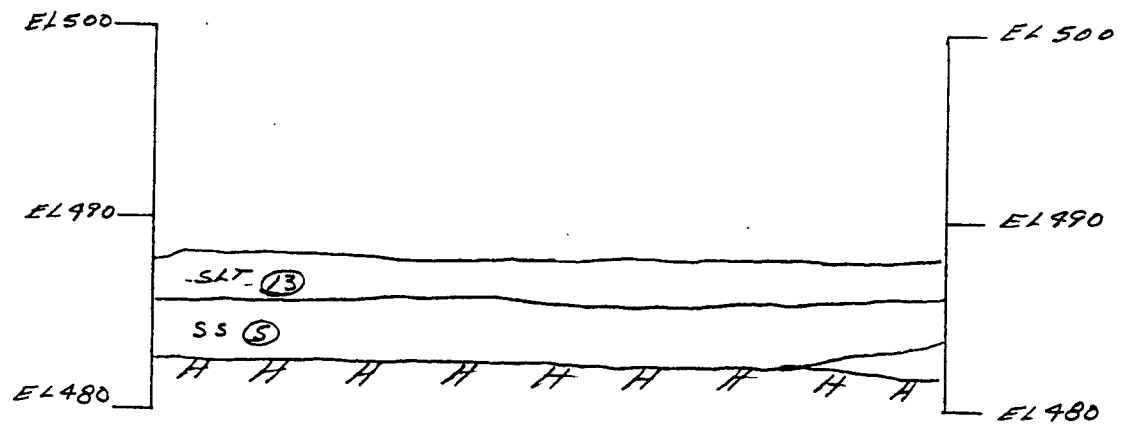


U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 42



WEST SIDE WALL



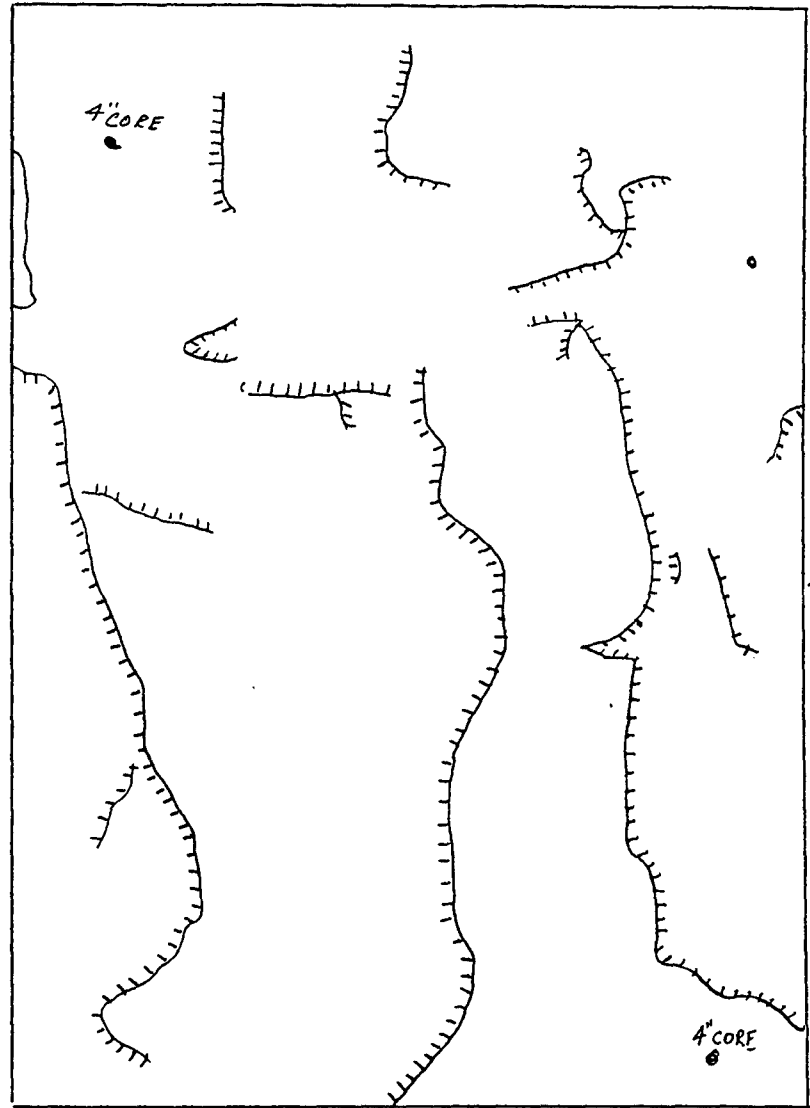
EAST SIDE WALL

STA 74.21B

STA 6479

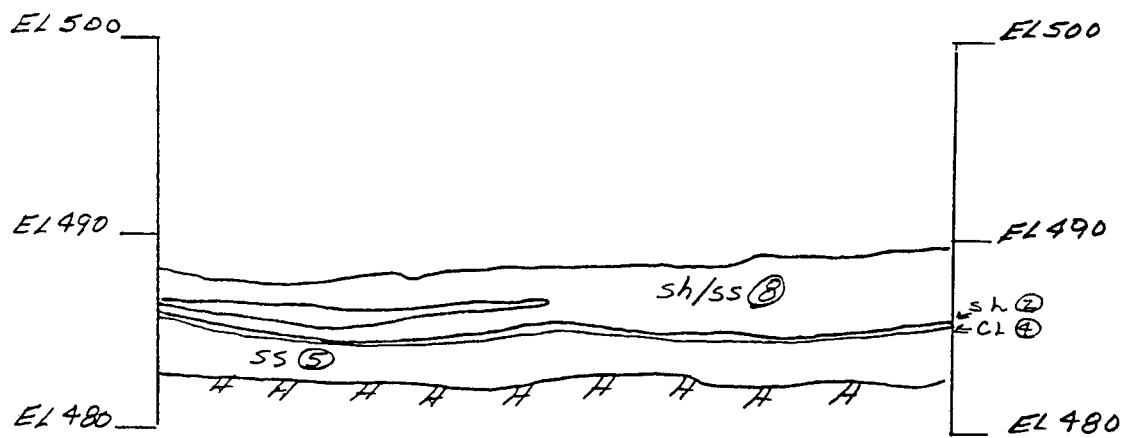
R-42

R-44

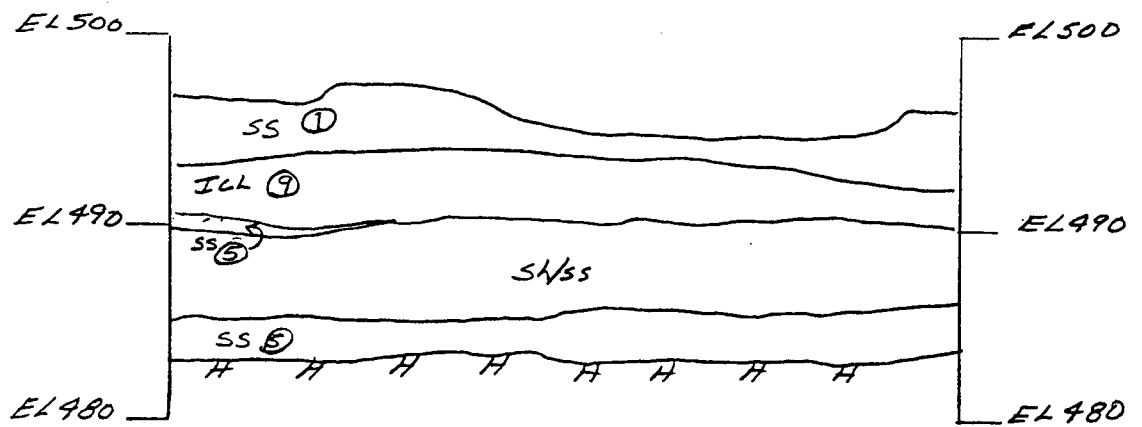


U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 43



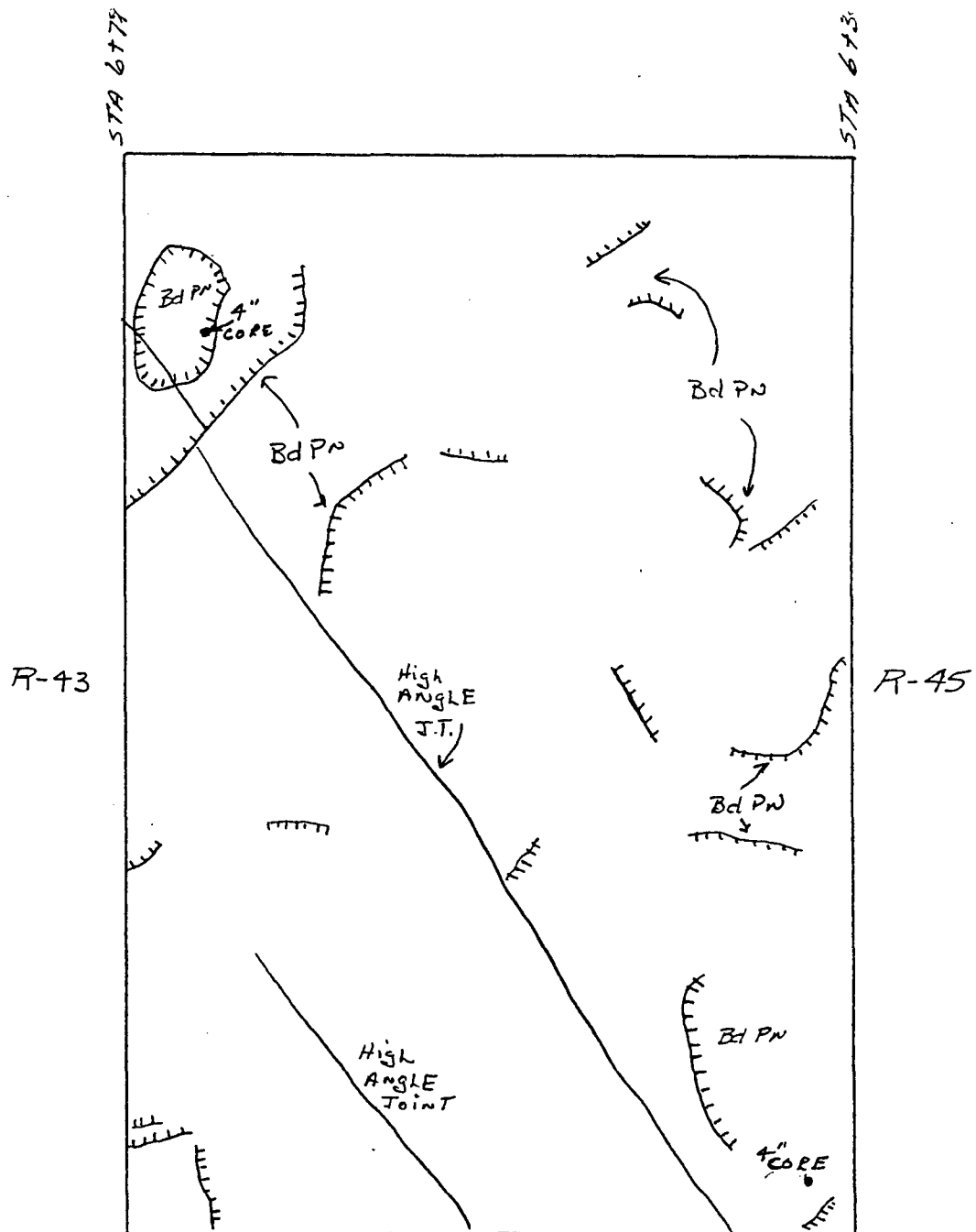
WEST SIDE WALL

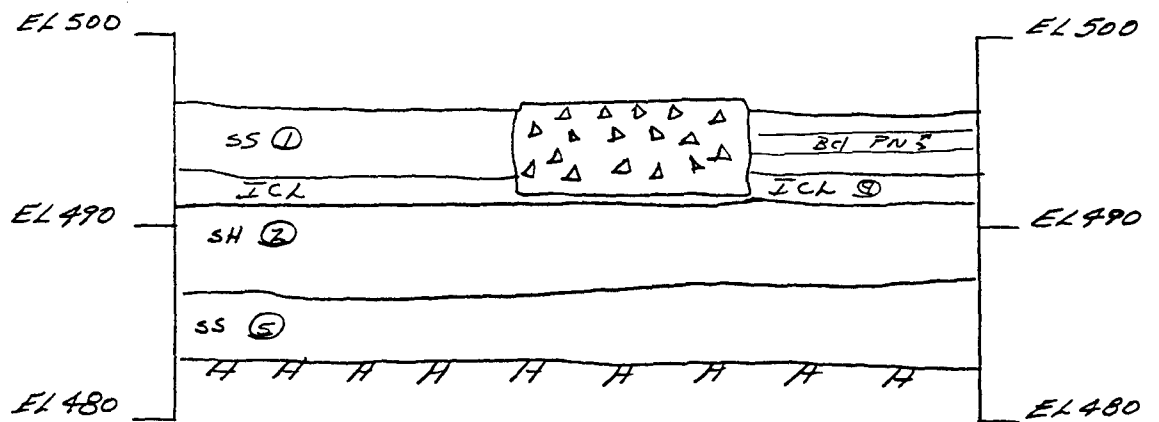
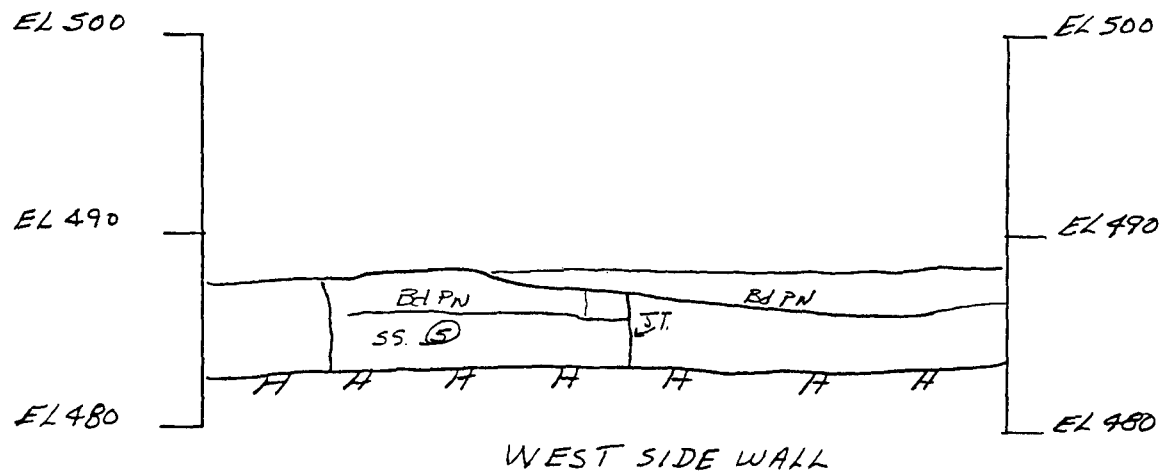


EAST SIDE WALL

U.S. Army Corps of Engineers

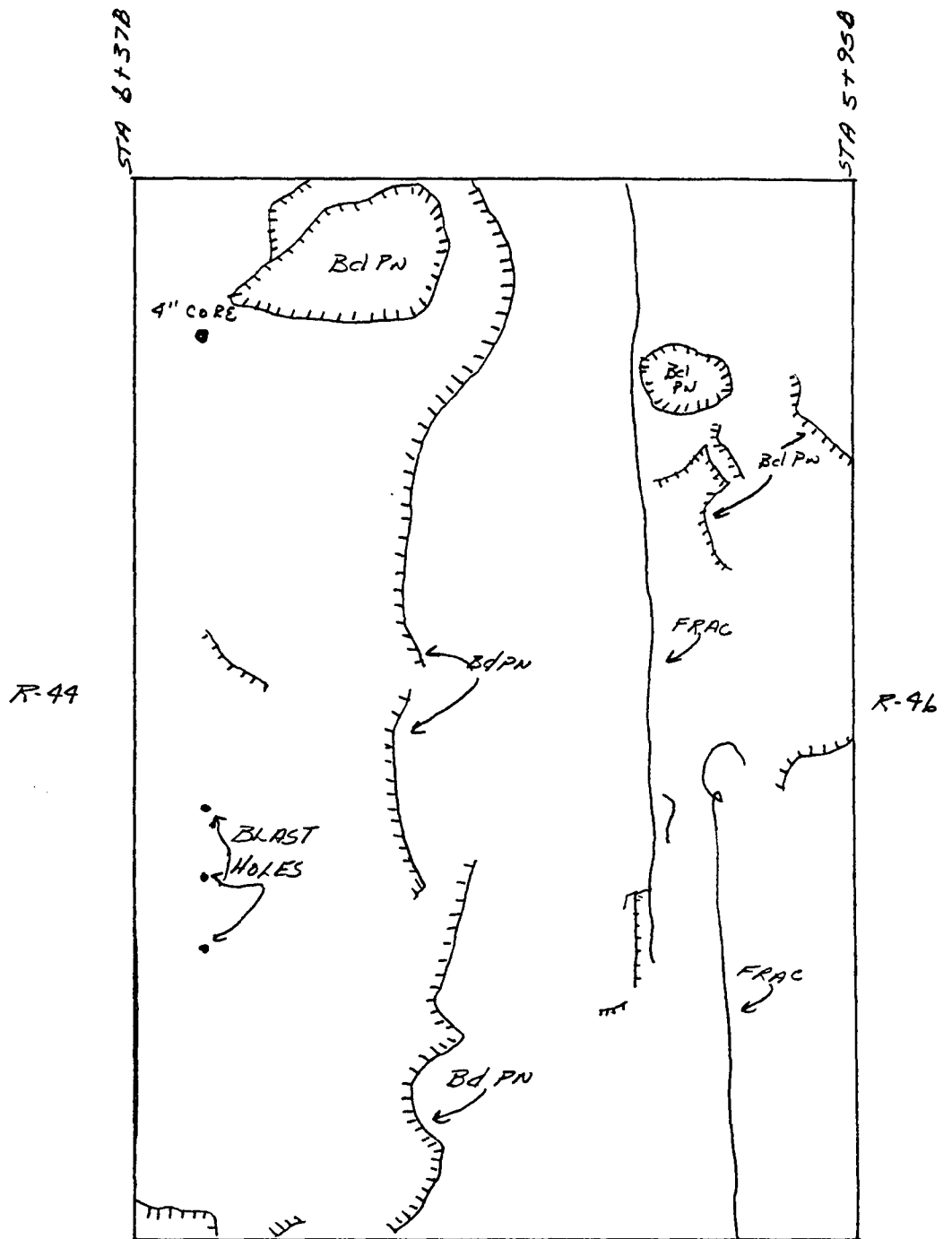
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 43

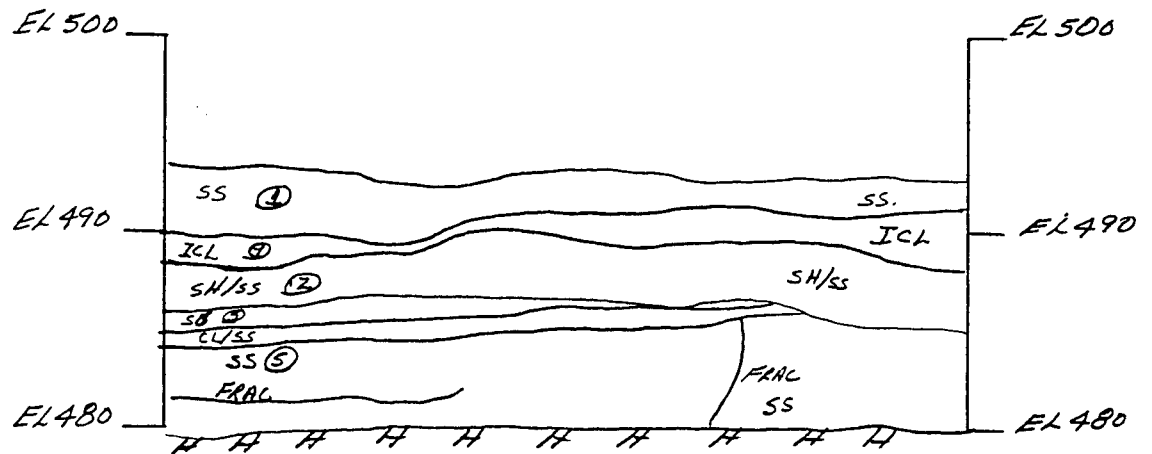




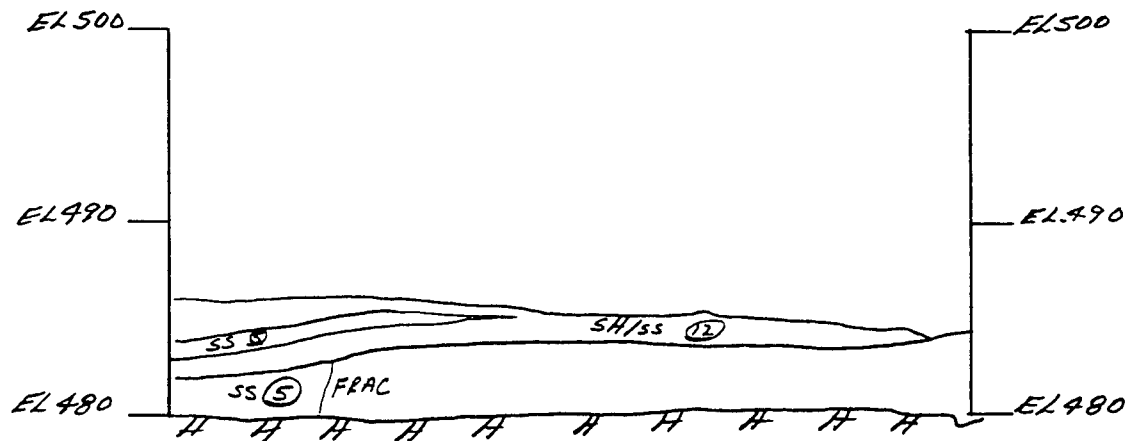
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 44





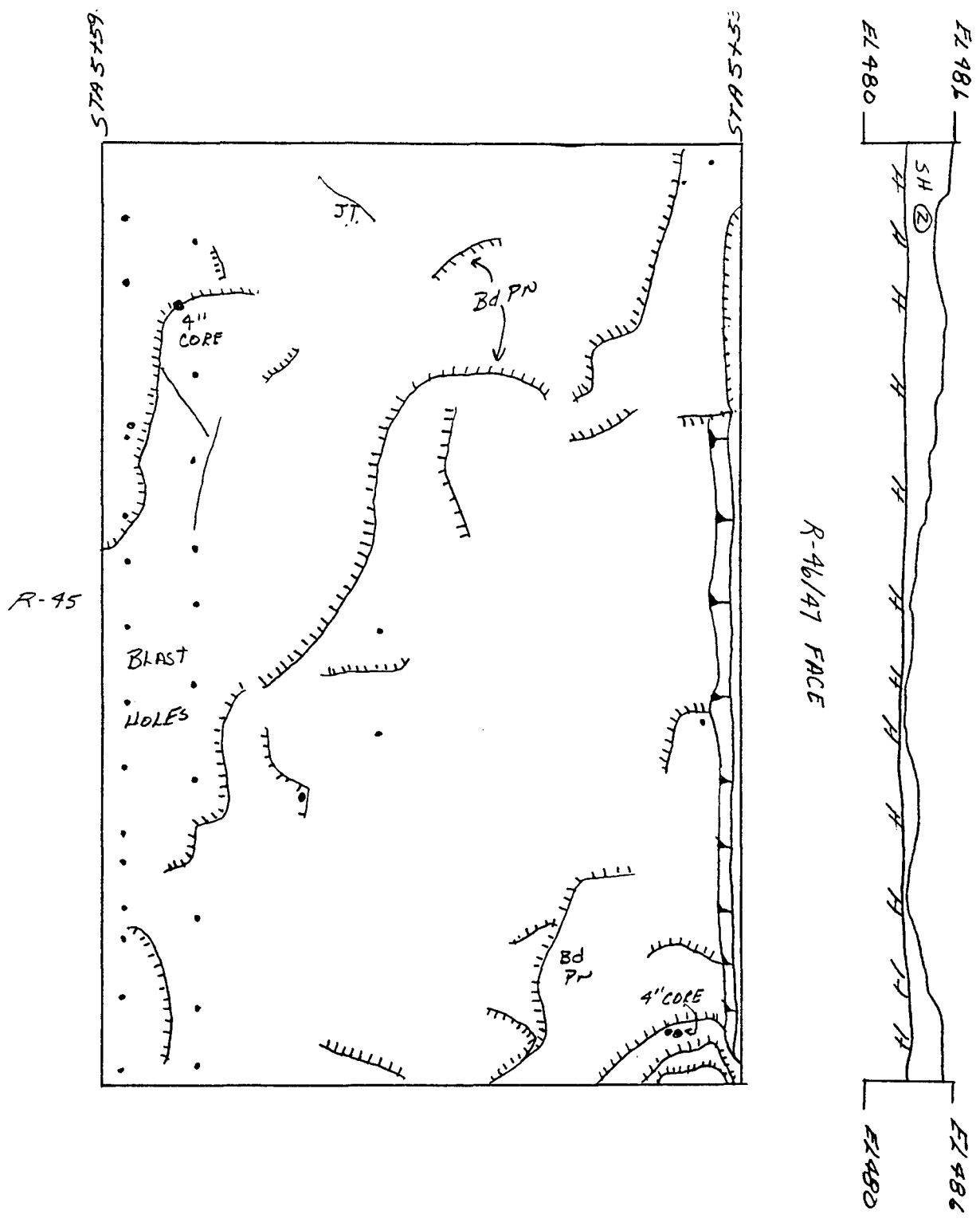
WEST SIDE WALL



EAST SIDE WALL

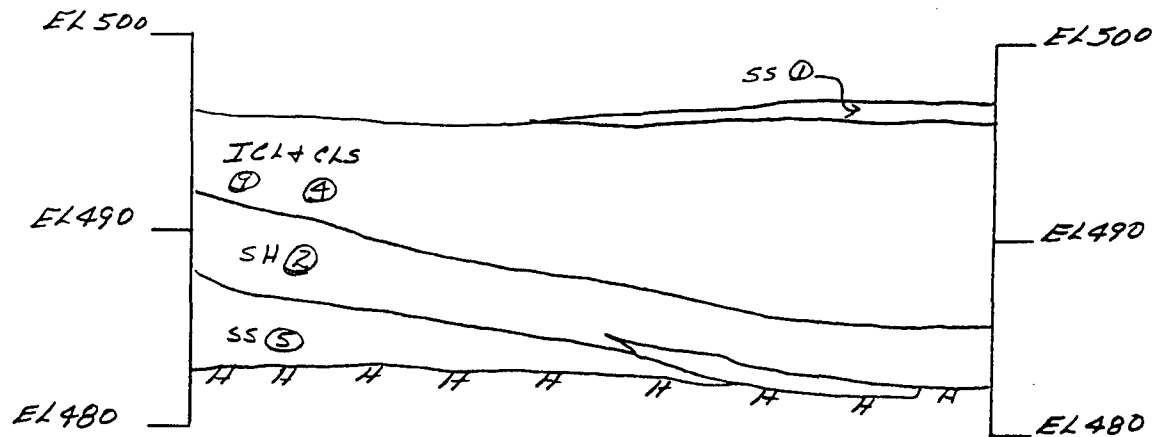
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 45

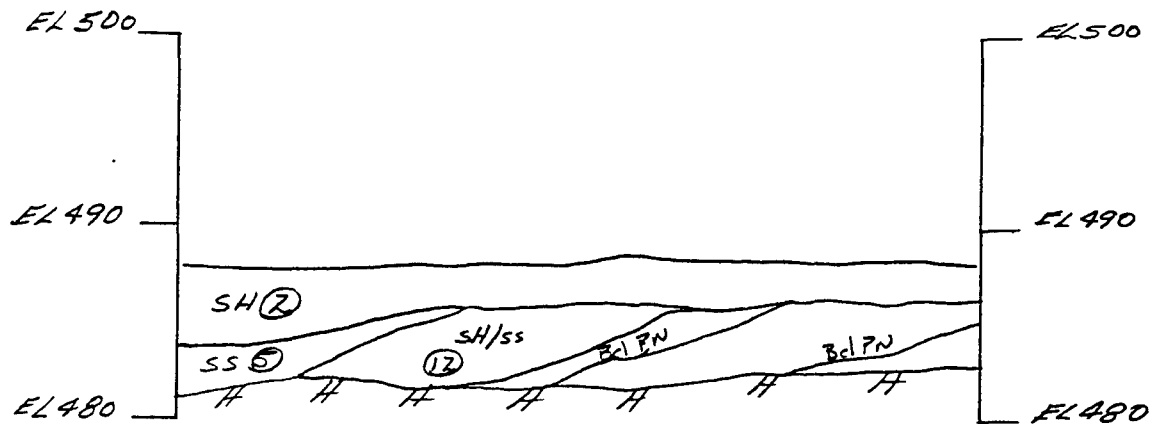


U.S. Army Corps of Engineers

Gallipolis Lock and Dam
 Lock in Canal
 Foundation drawing
 River Wall Monolith 46



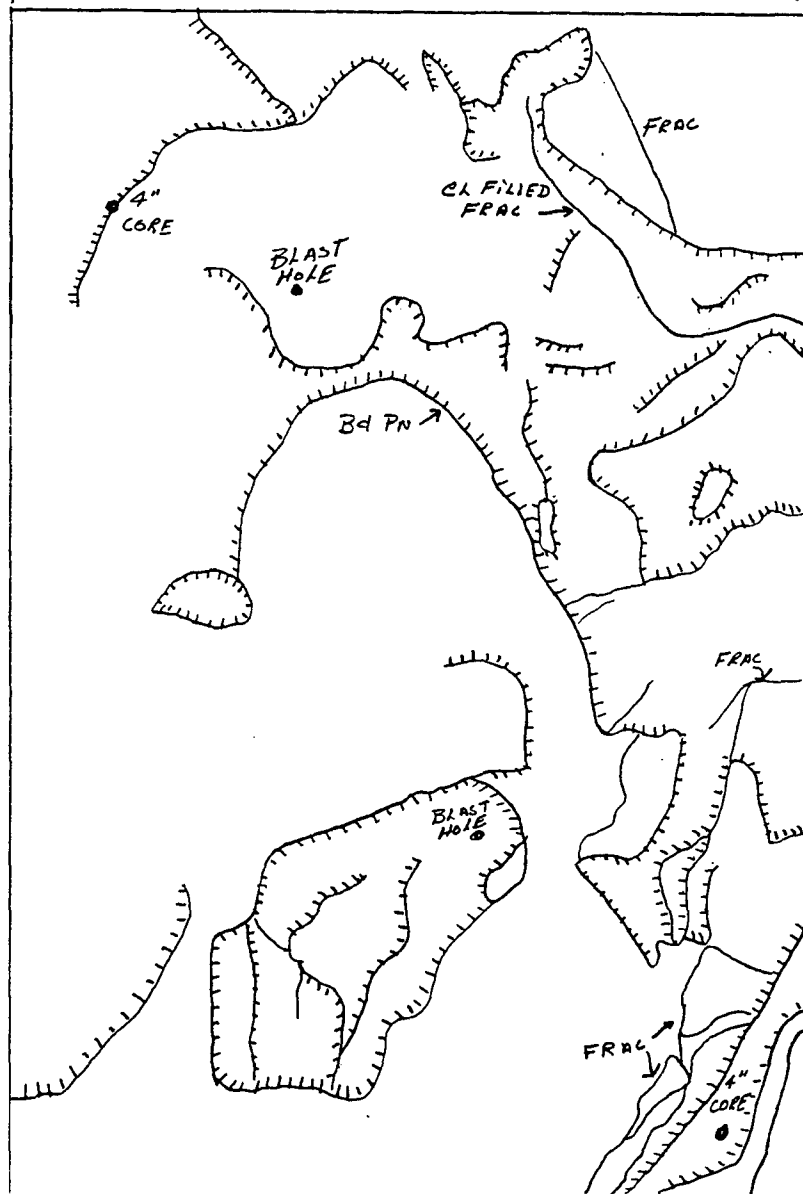
WEST SIDE WALL



EAST SIDE WALL

R-46

STA 5453'

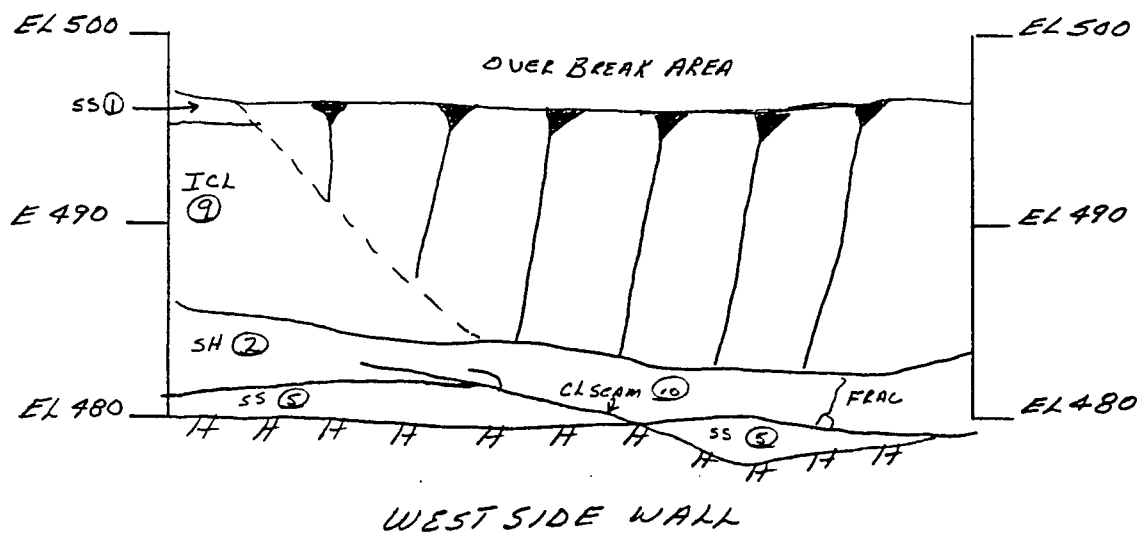
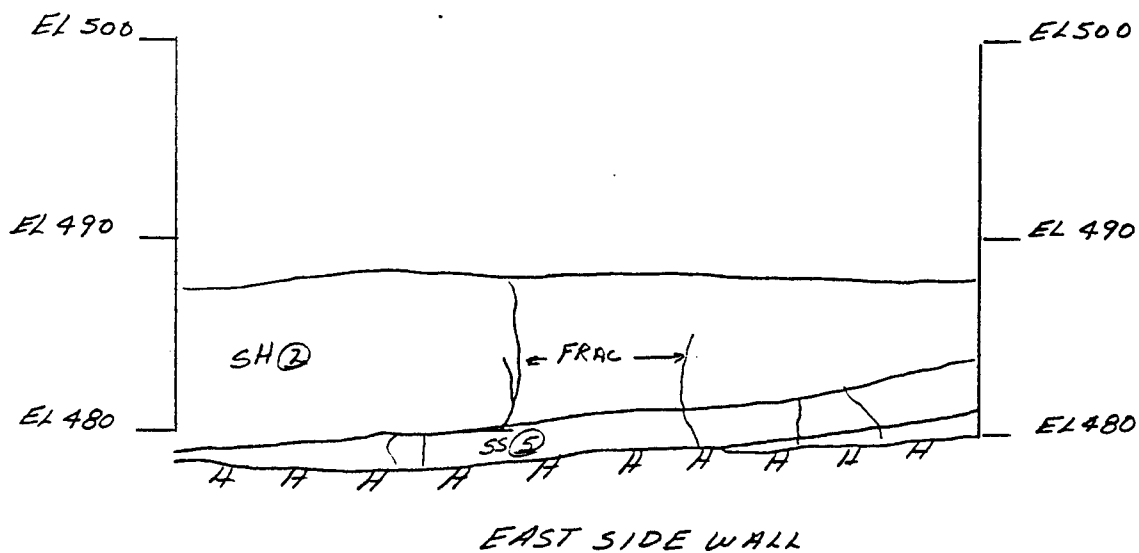


STA 5411'

R-48

U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 47



U.S. Army Corps of Engineers

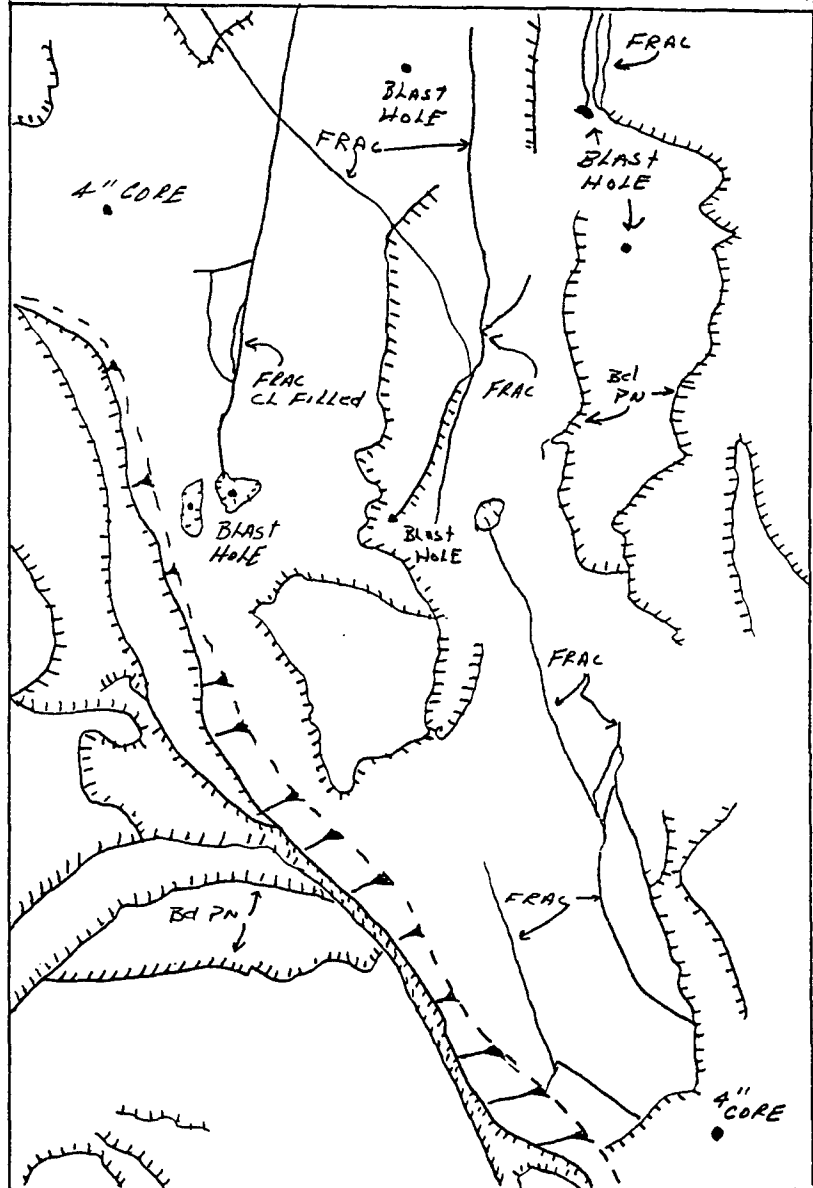
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 47

STA 5411B

STA 4469B

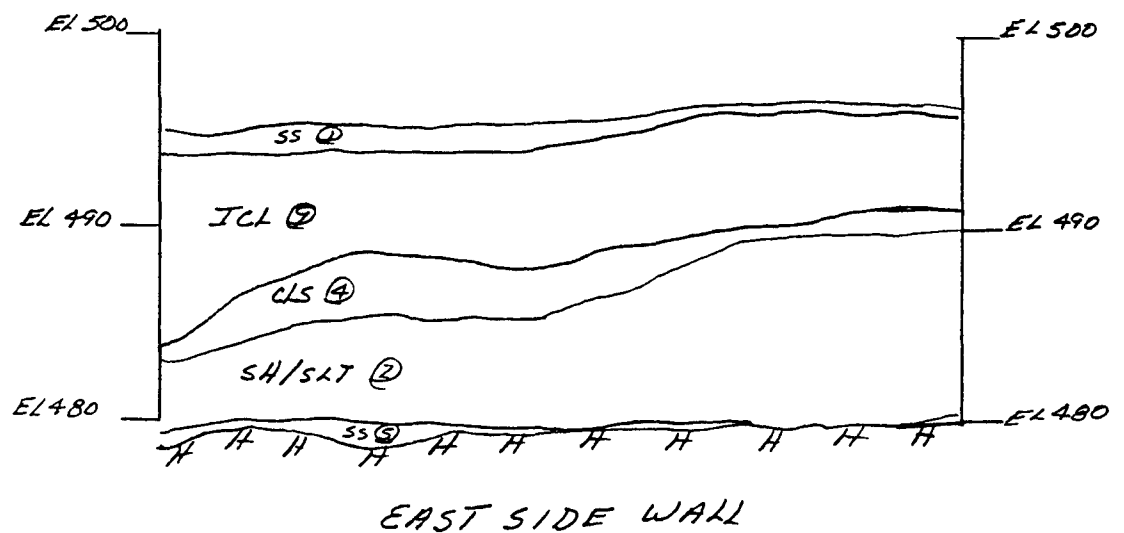
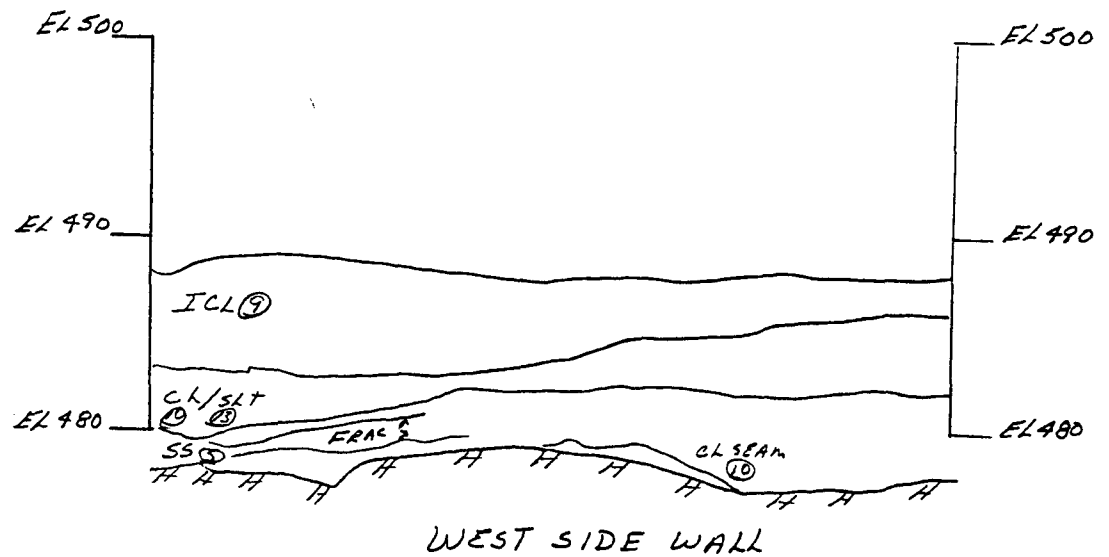
R-47

R-49



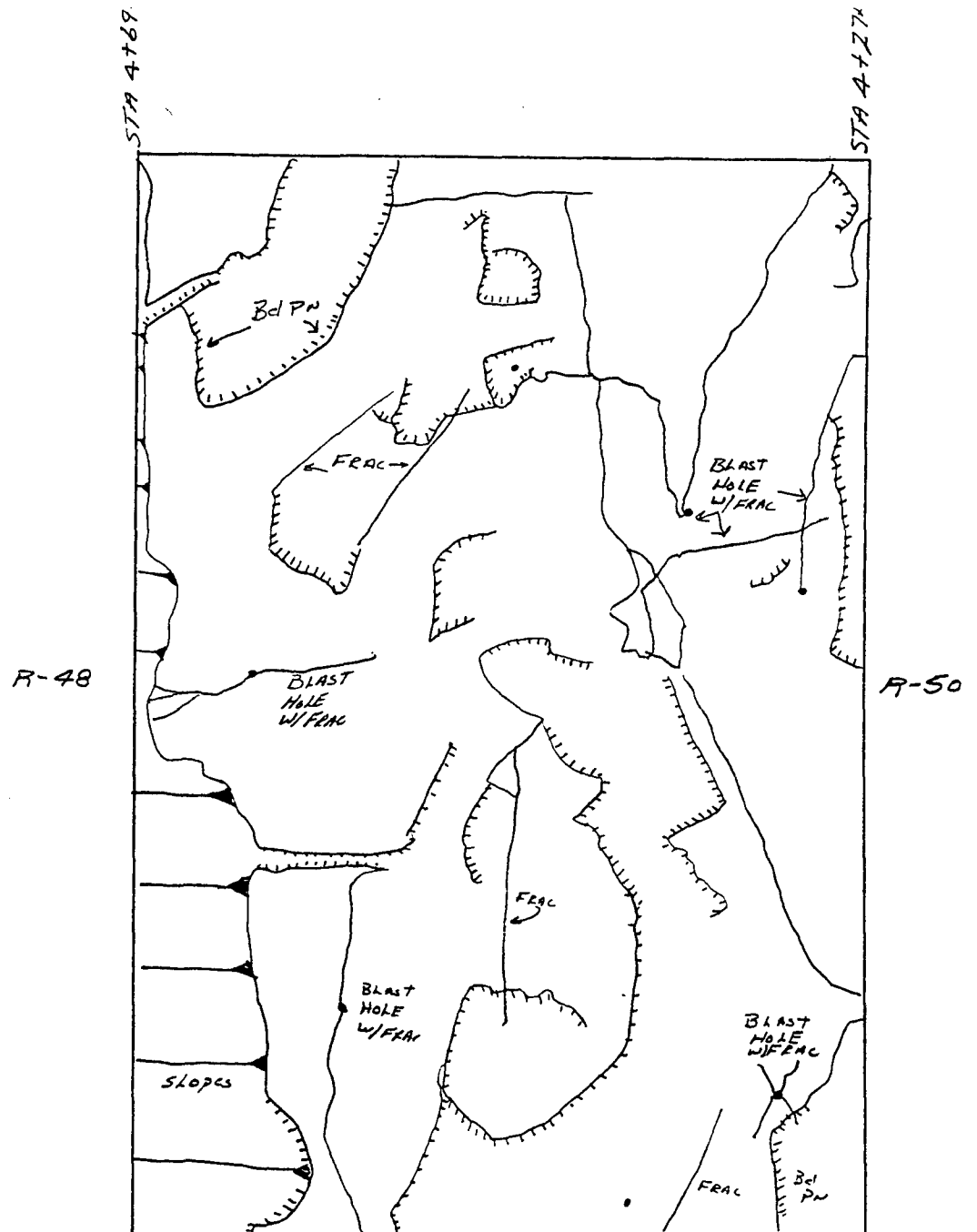
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 48



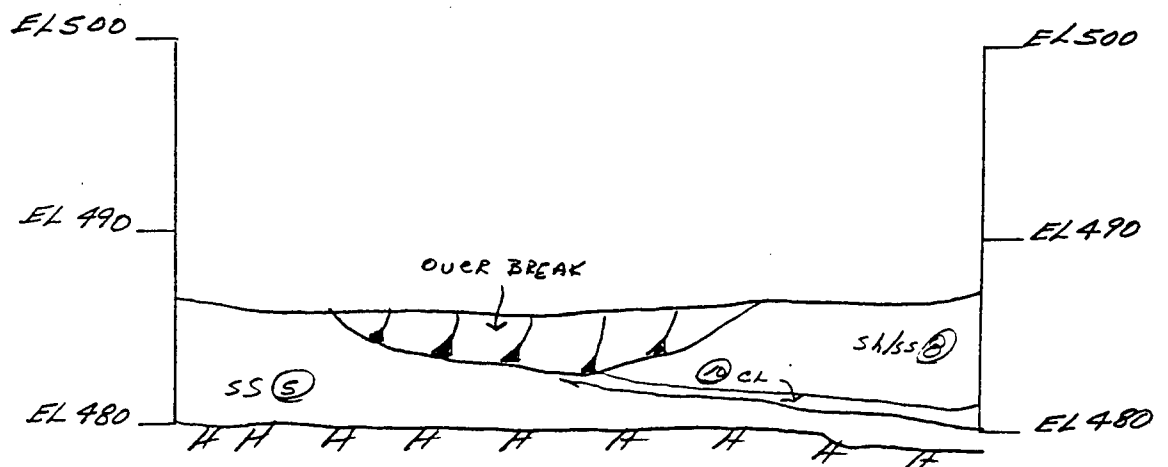
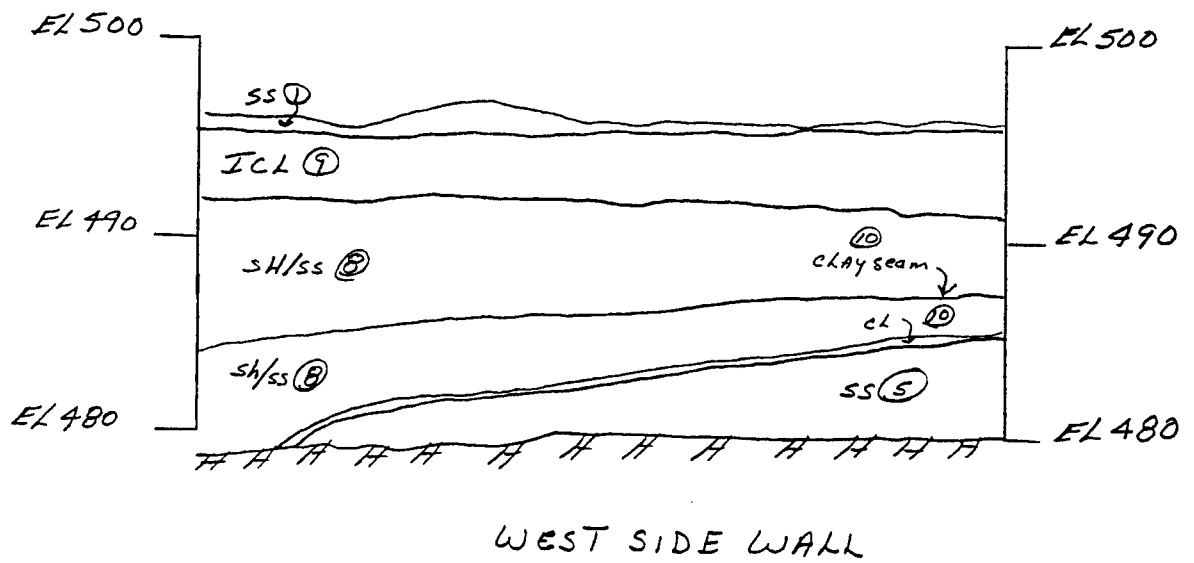
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 48



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 49

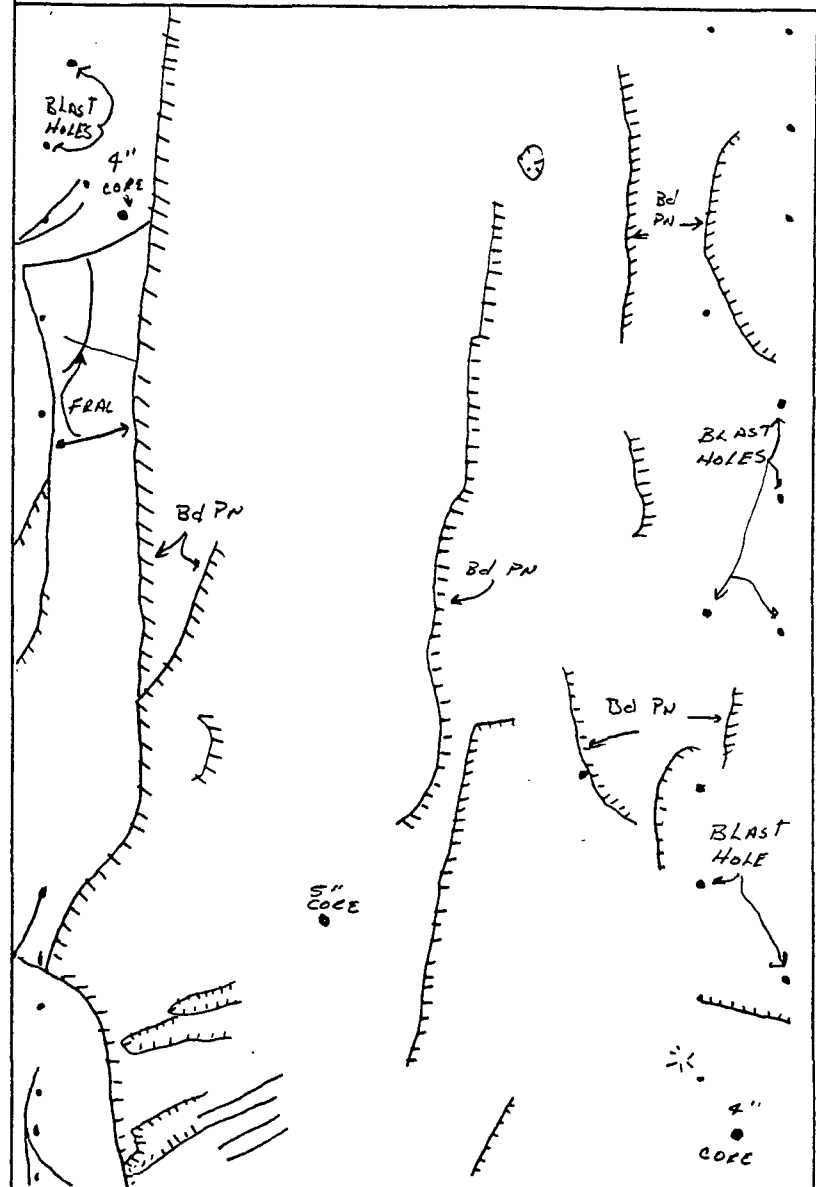


STA 41271

STA 3+85B

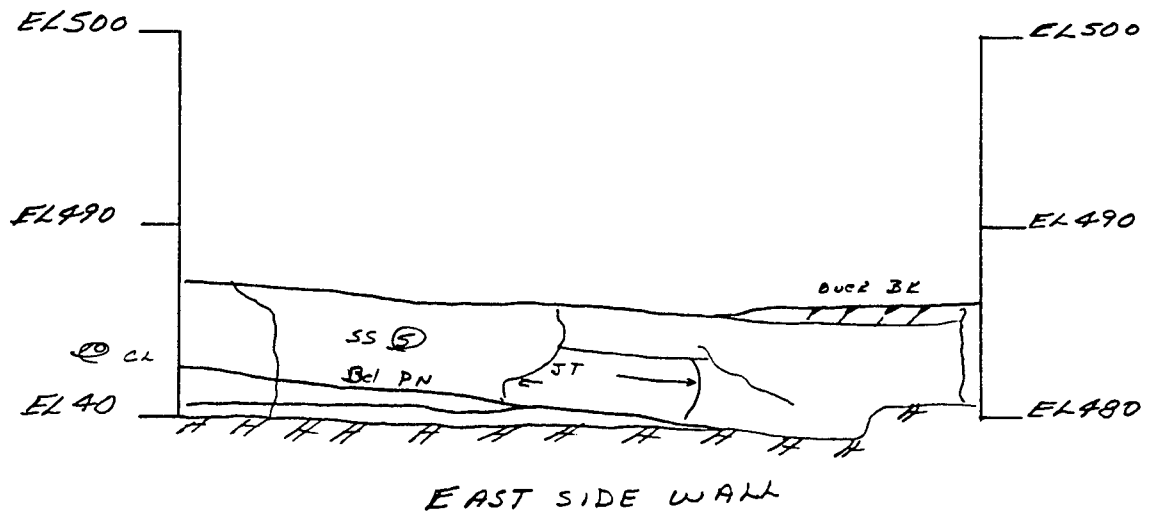
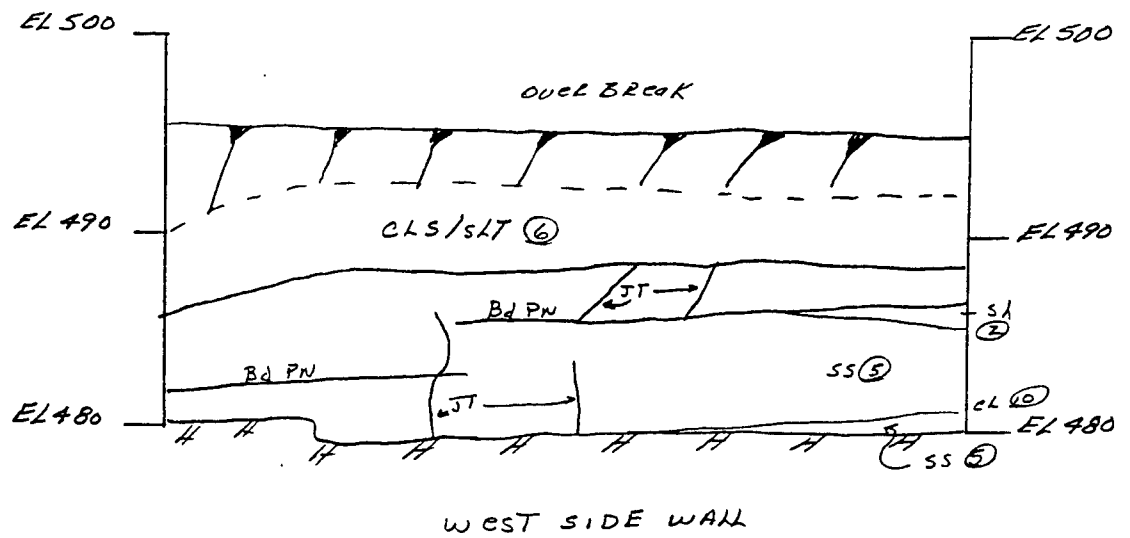
R-49

R-51



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 50



U.S. Army Corps of Engineers

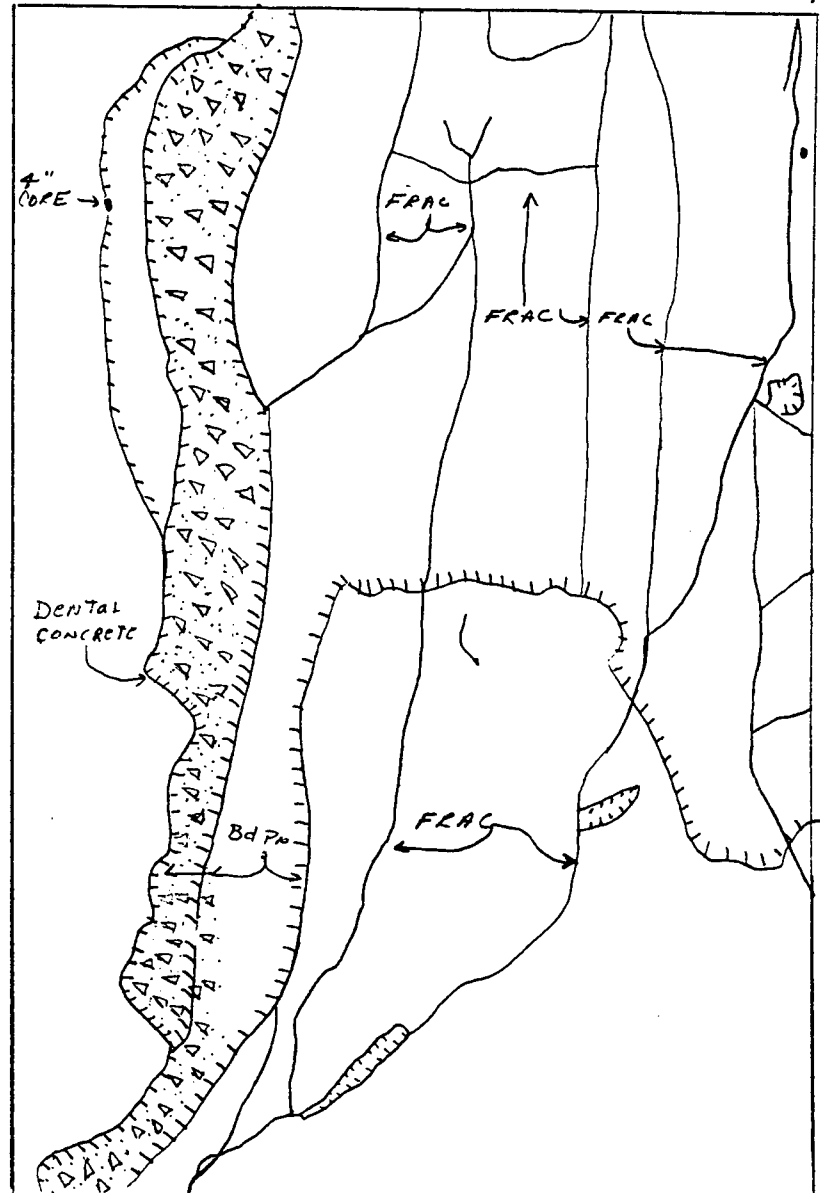
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 50

STA 376

STA 374

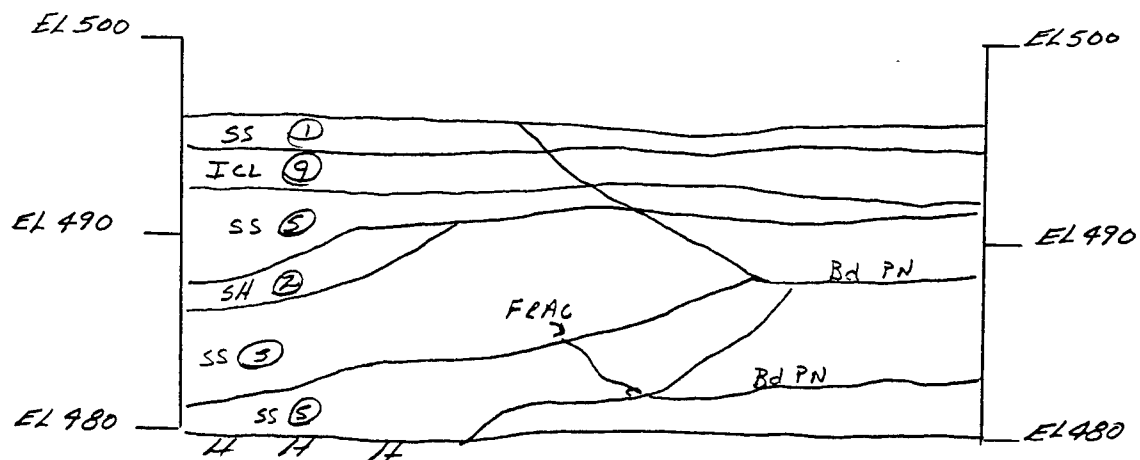
R-50

R-52

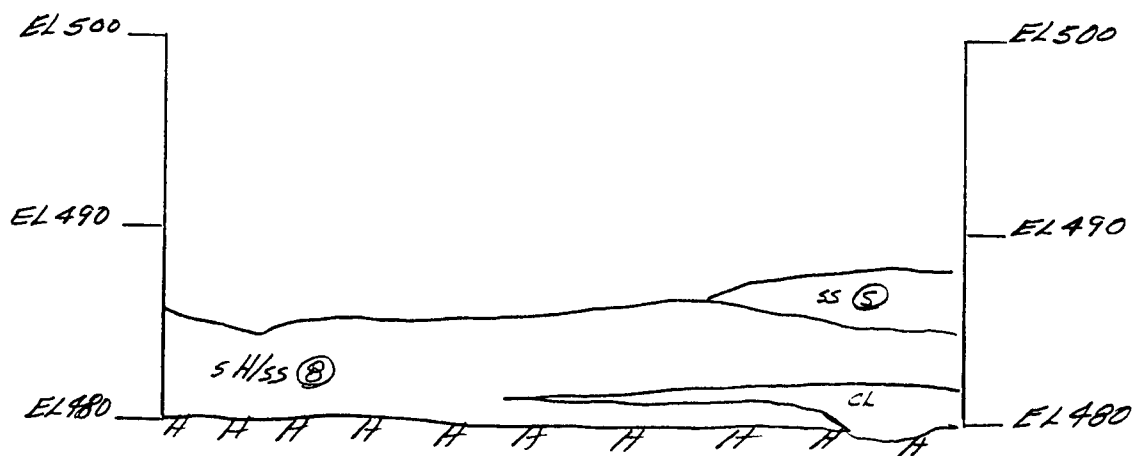


U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 51



WEST SIDE WALL



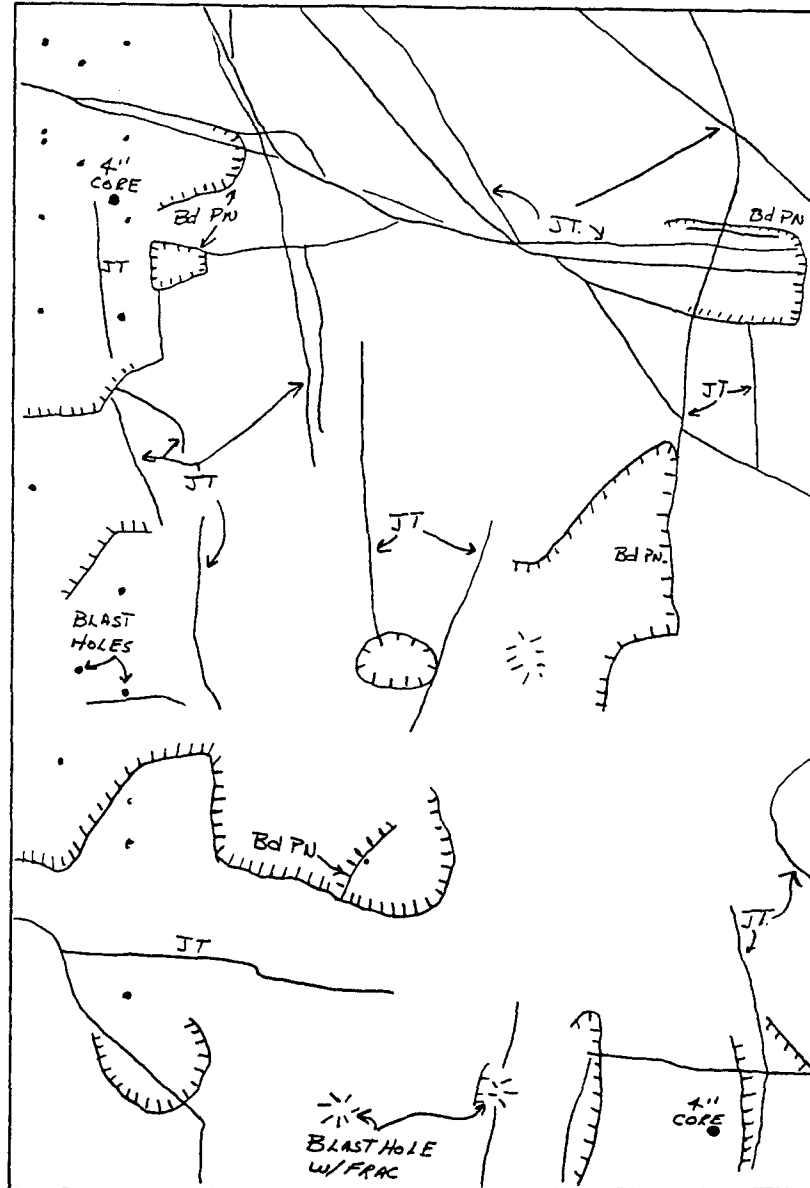
EAST SIDE WALL

STA 3+436

STA 3+012

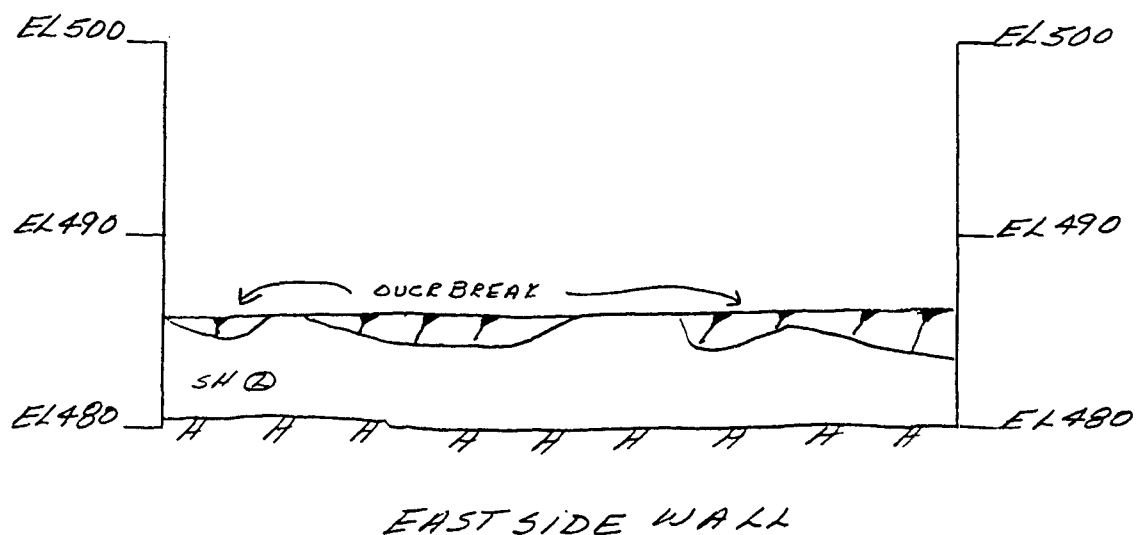
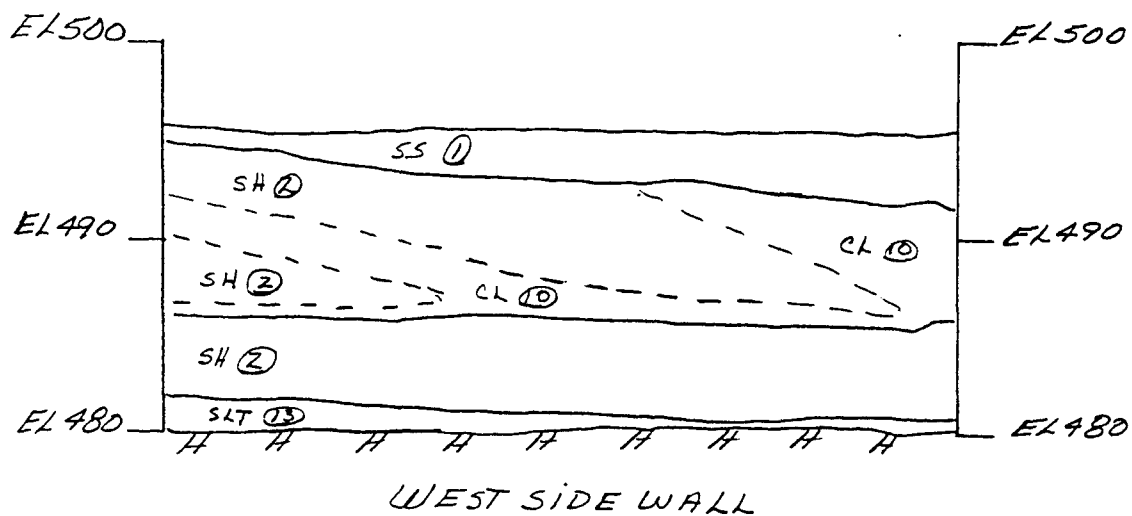
R-51

R-53



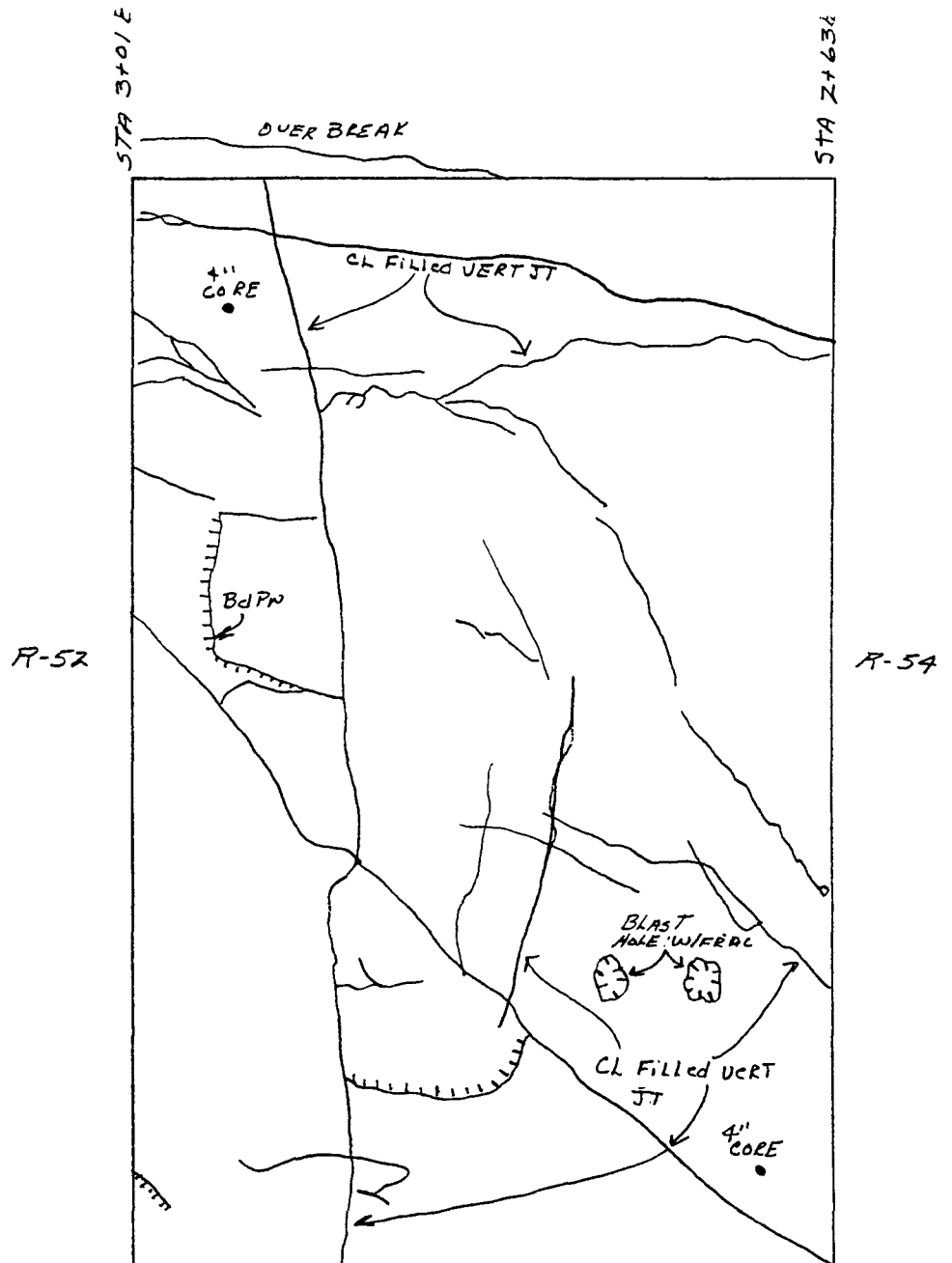
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 52



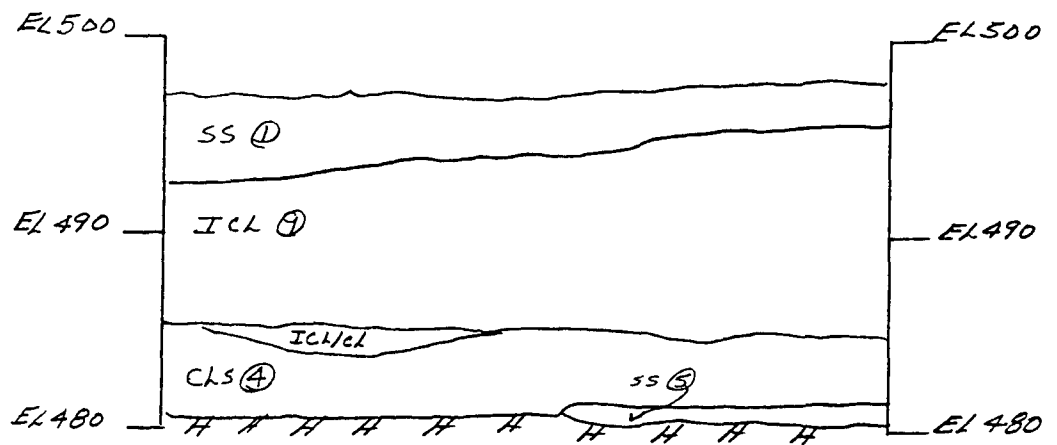
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 52

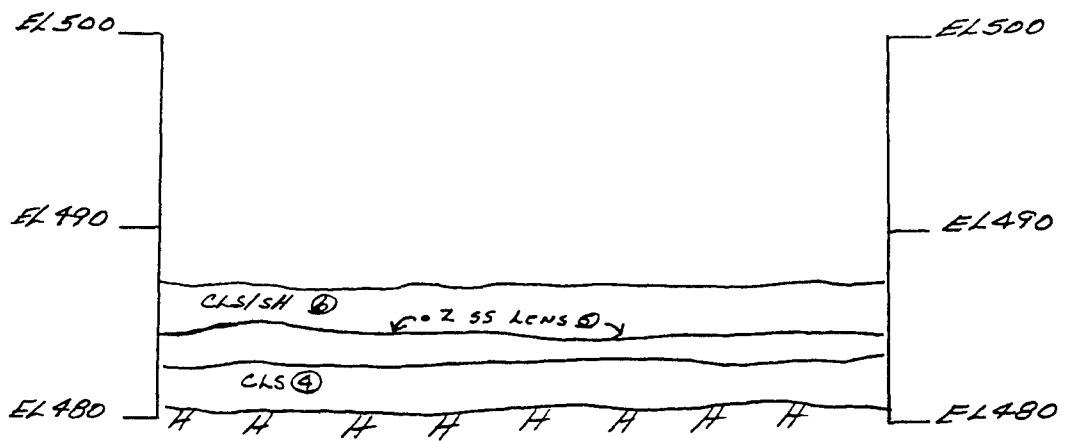


U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 53



WEST SIDE WALL



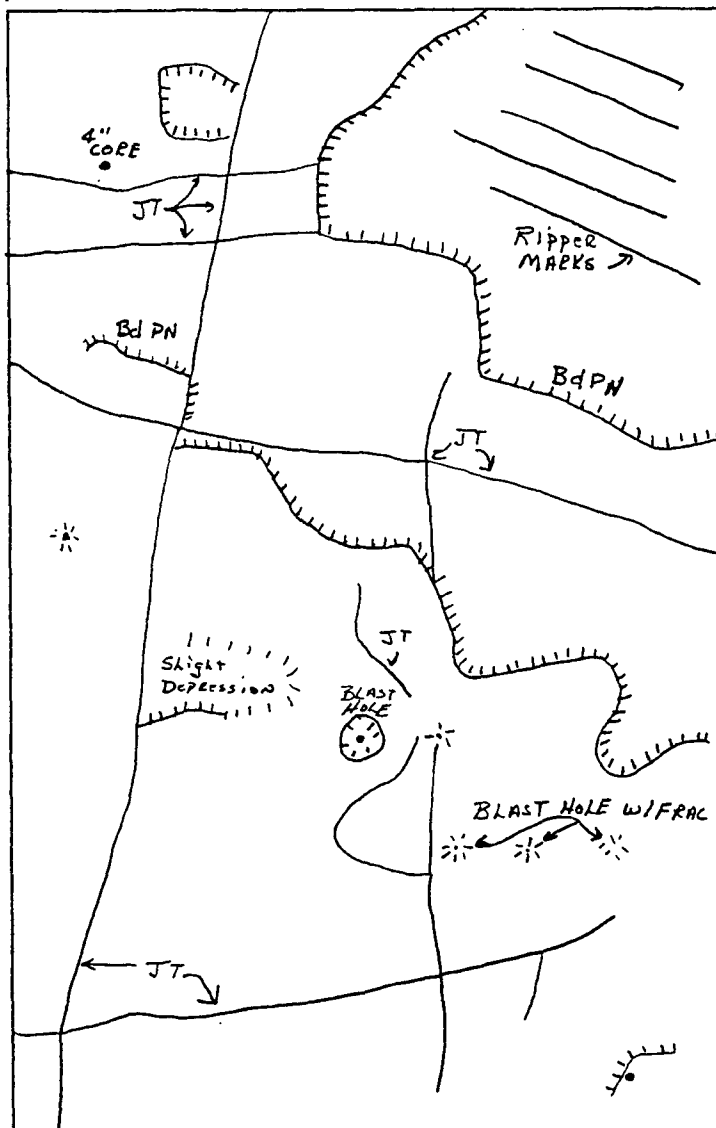
EAST SIDE WALL

STA 2+63

STA 2+72

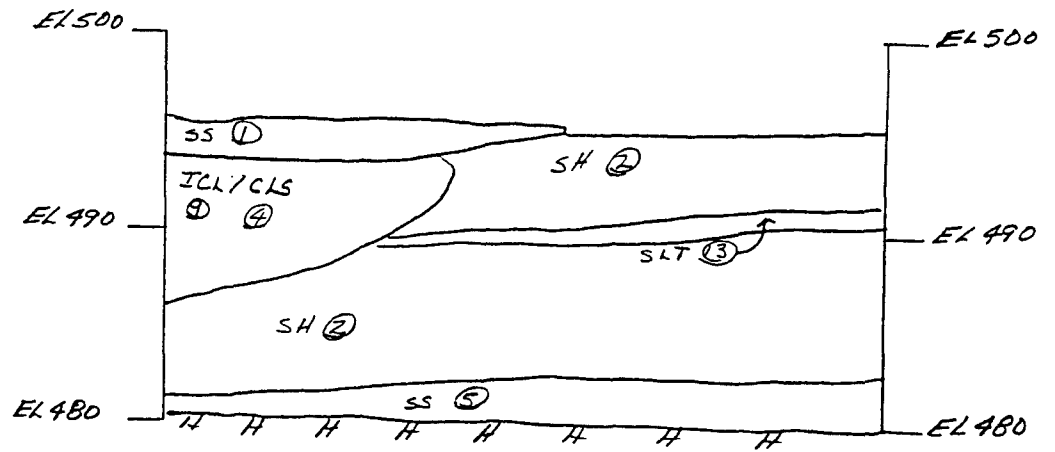
R-53

R-55

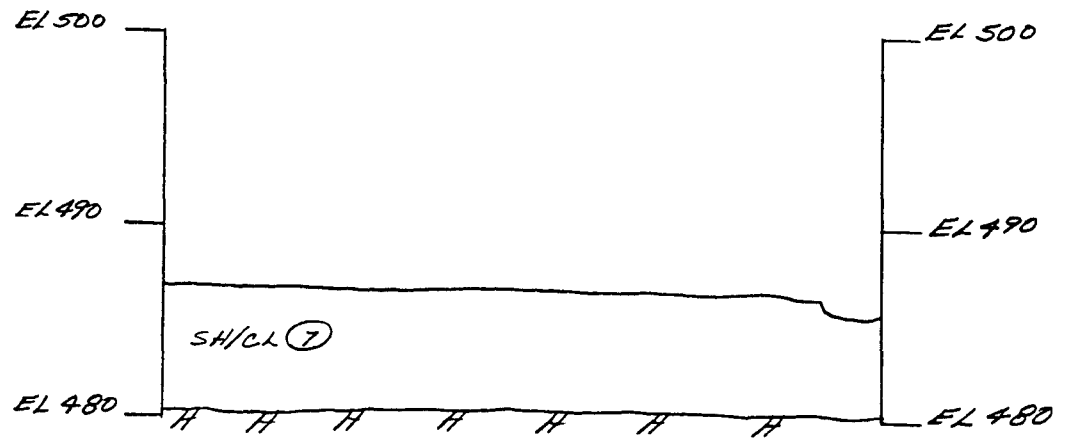


U. S. Army Corps of Engineers

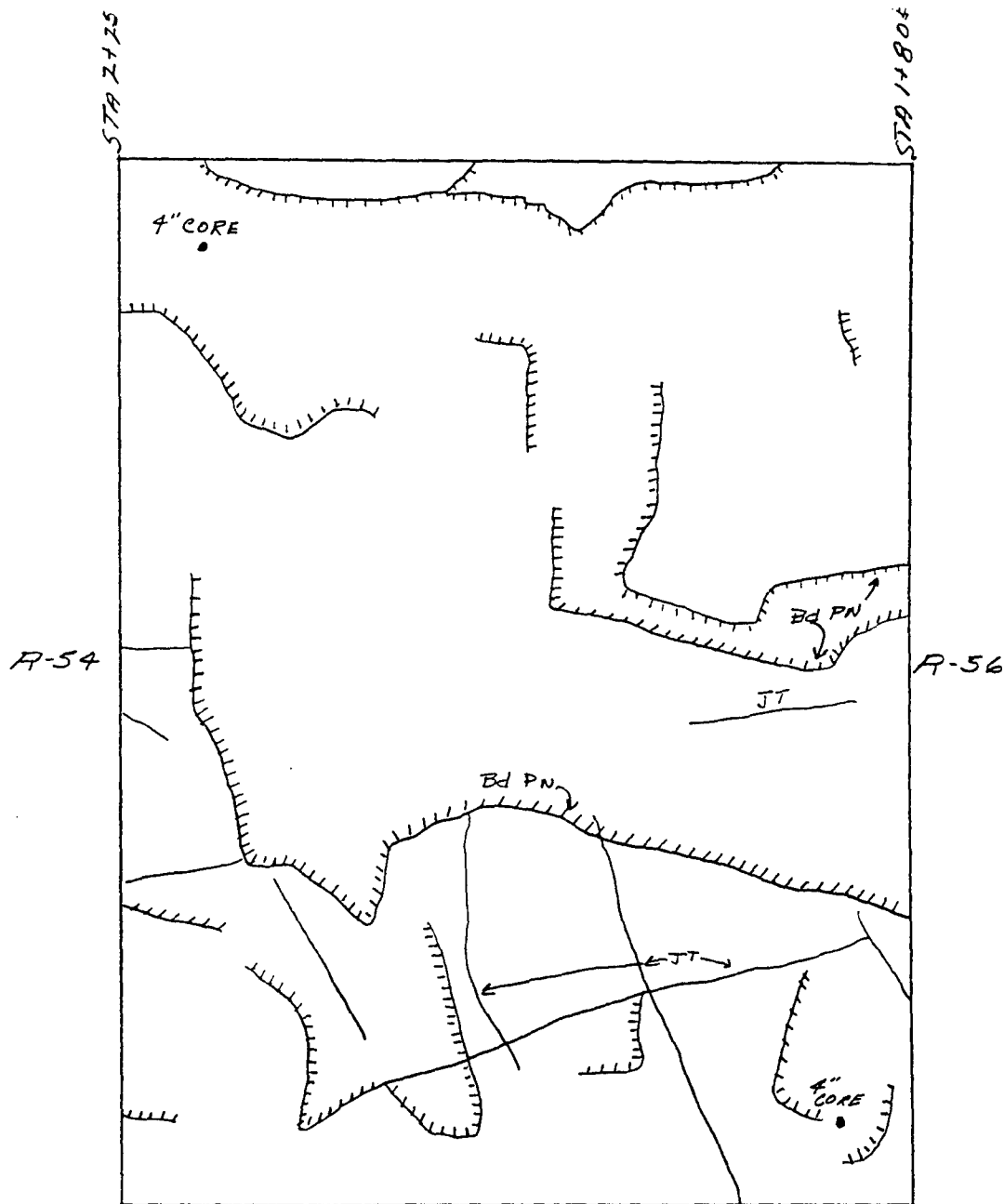
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 54

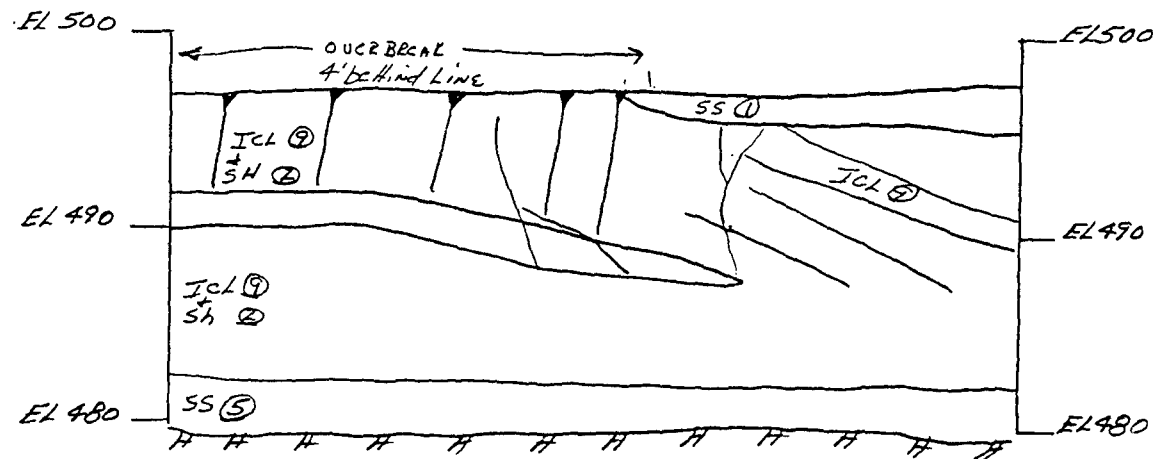


WEST SIDE WALL

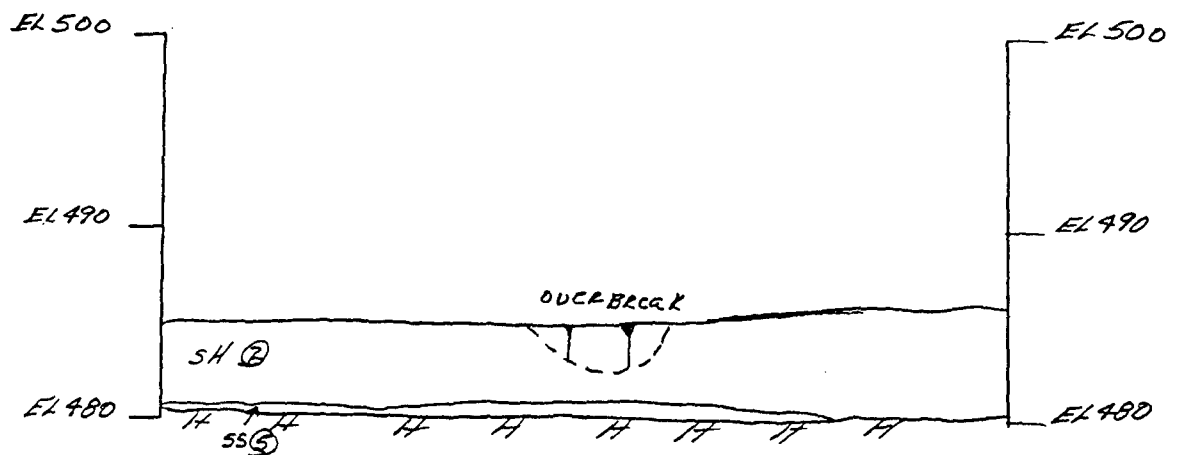


EAST SIDE WALL





WEST SIDE WALL



EAST SIDE WALL

U.S. Army Corps of Engineers

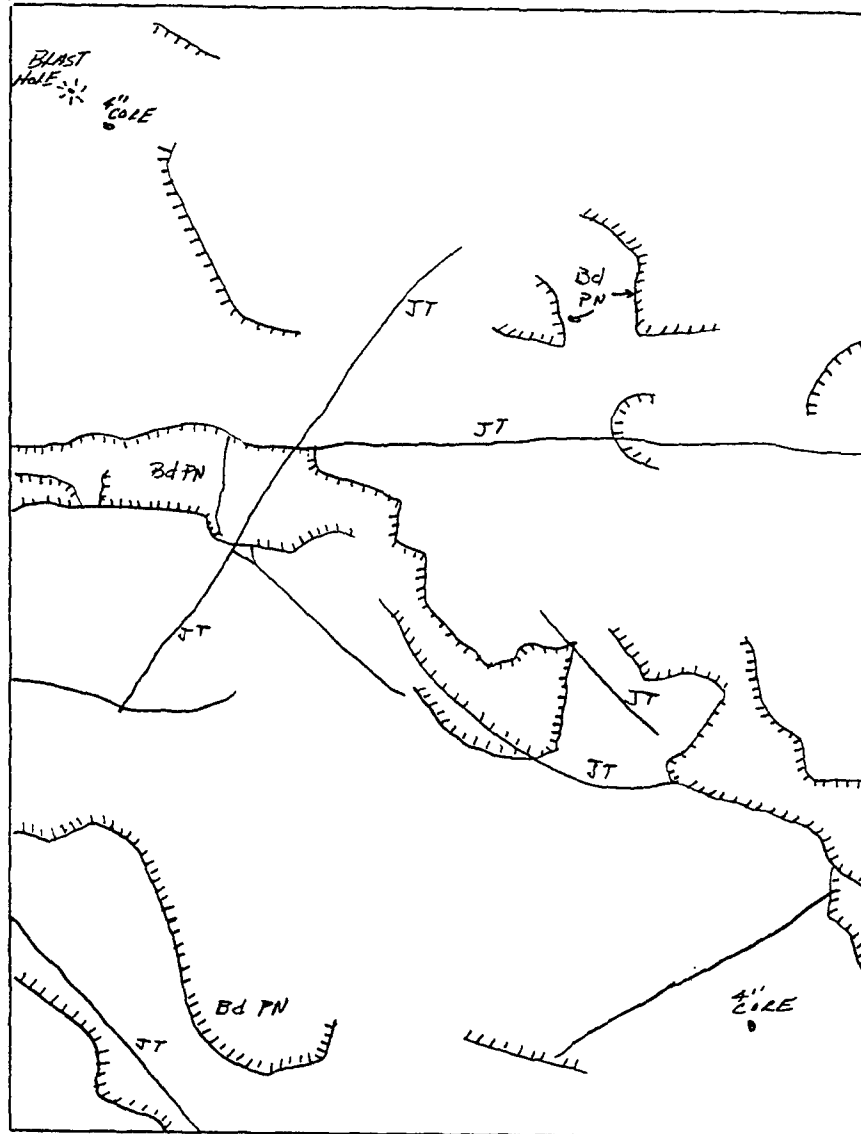
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 55

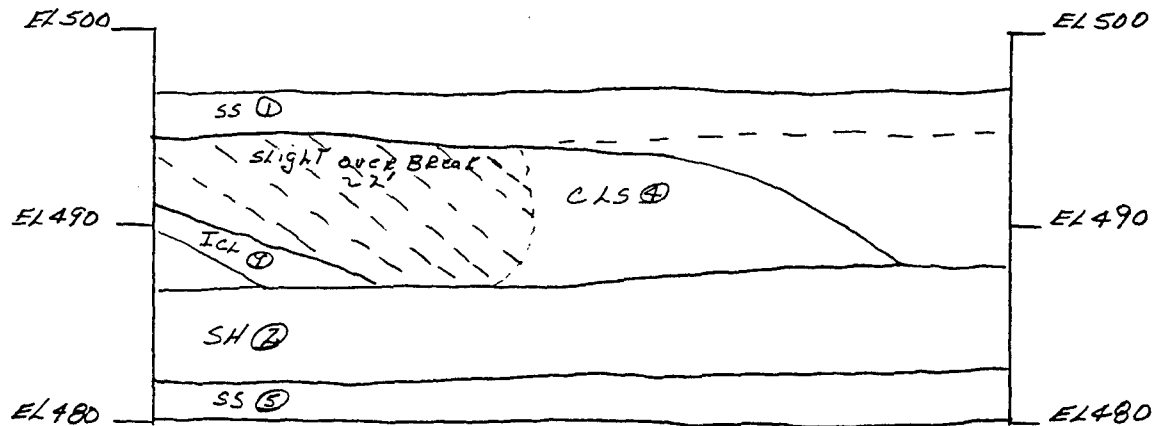
STA 1480B

STA 1435L

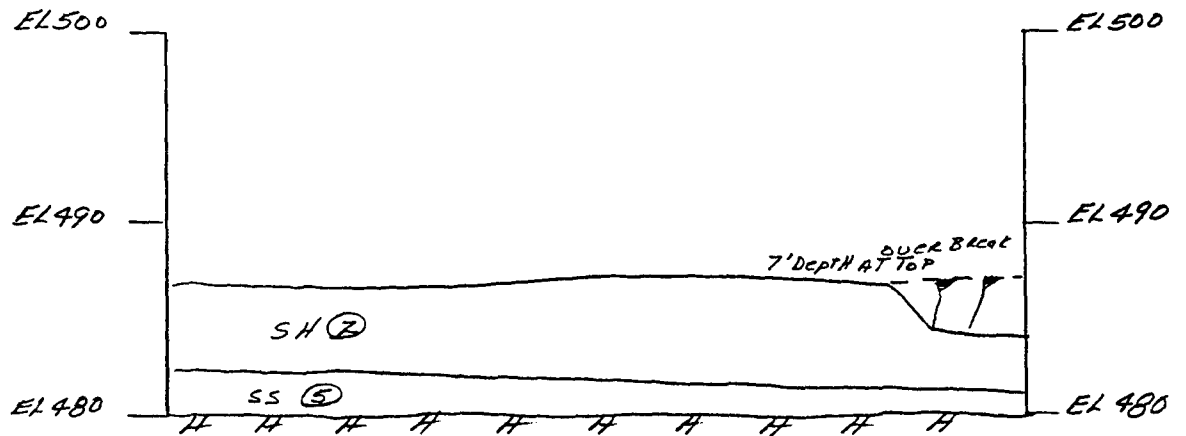
A-55

A-57





WEST SIDE WALL



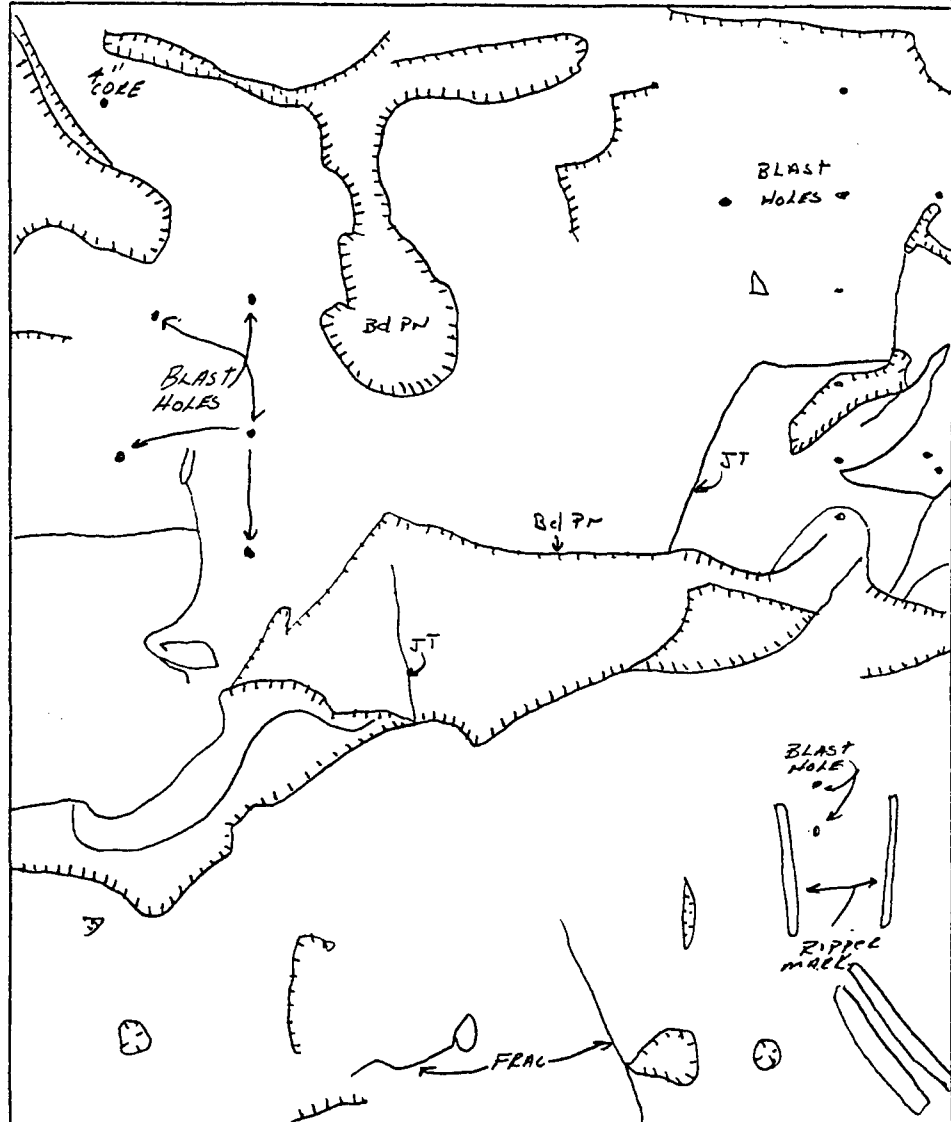
EAST SIDE WALL

STA 1+35

STA 0+8

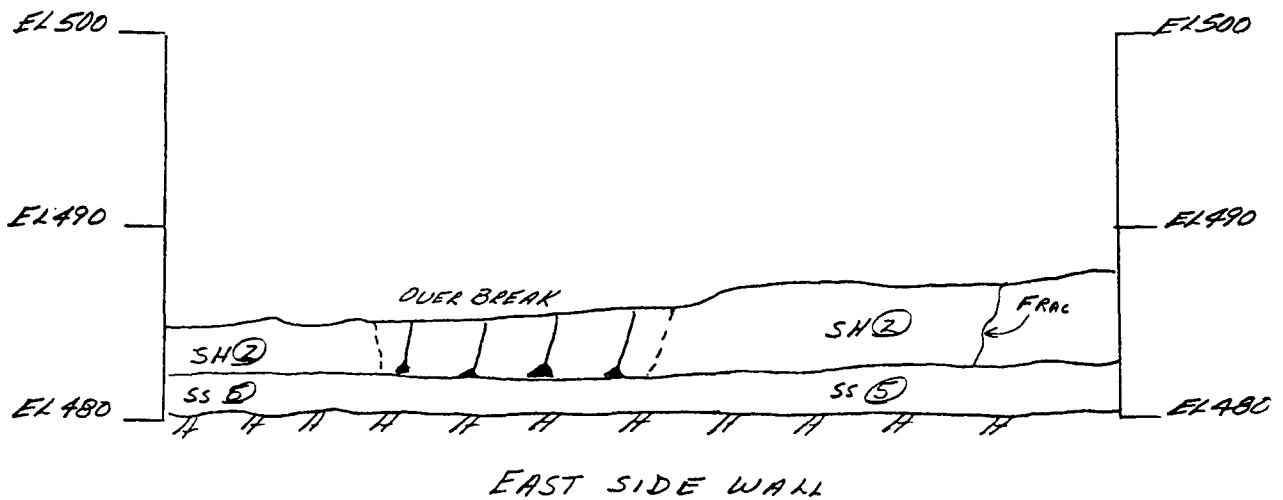
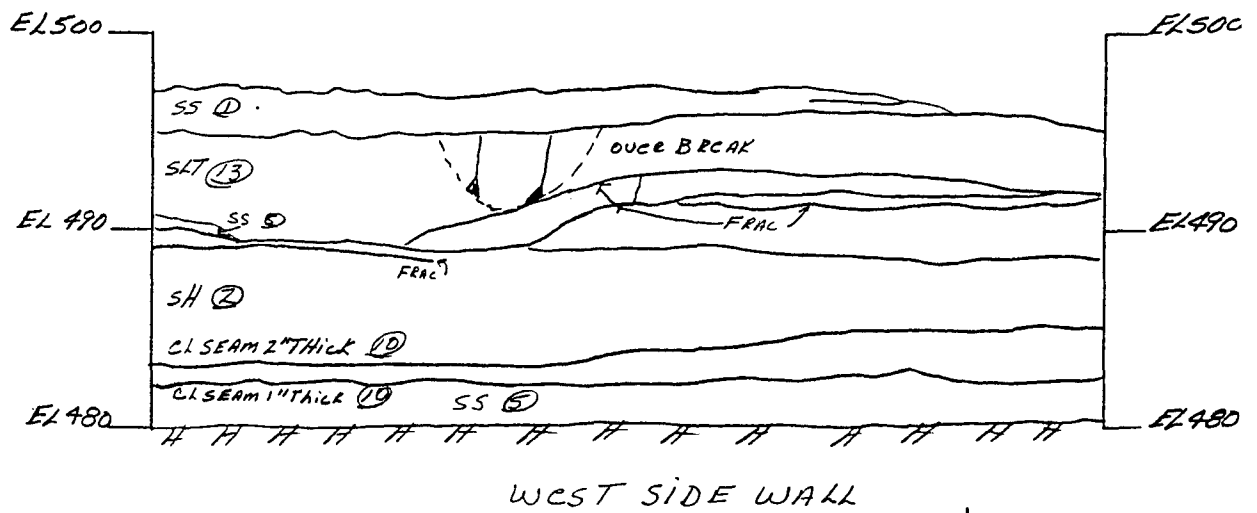
R-56

R-58



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 57

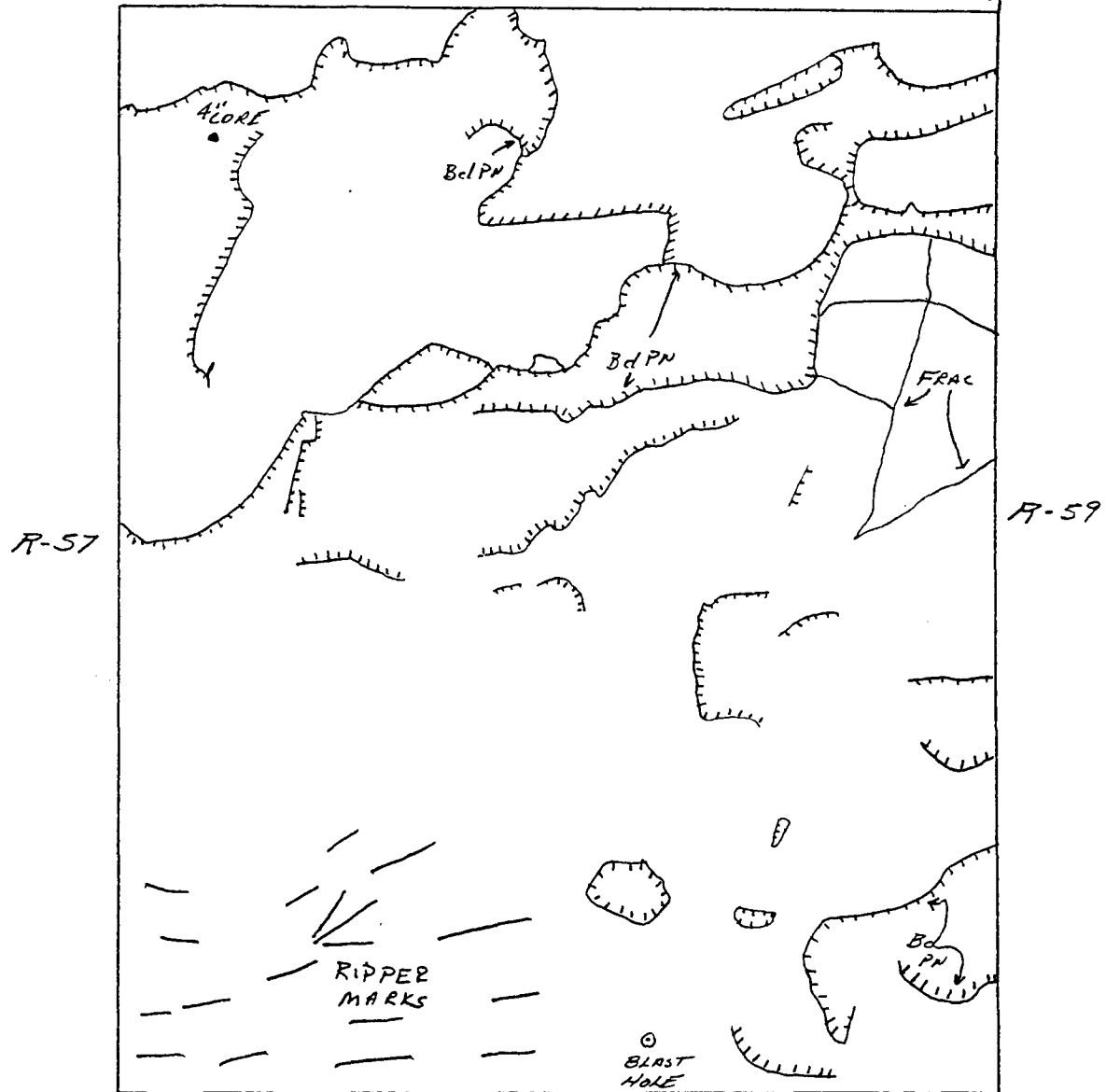


U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 57

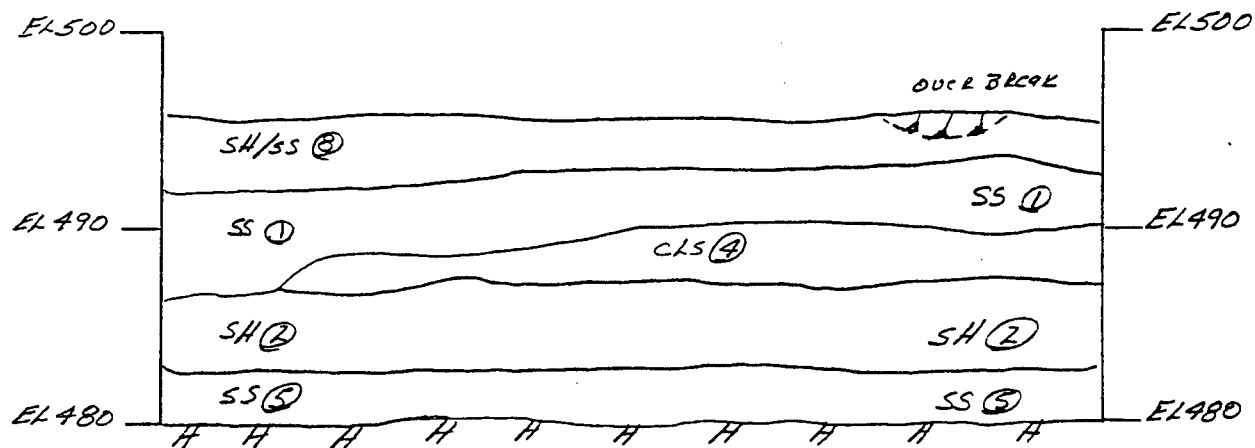
STA 0+83

STA 0+31

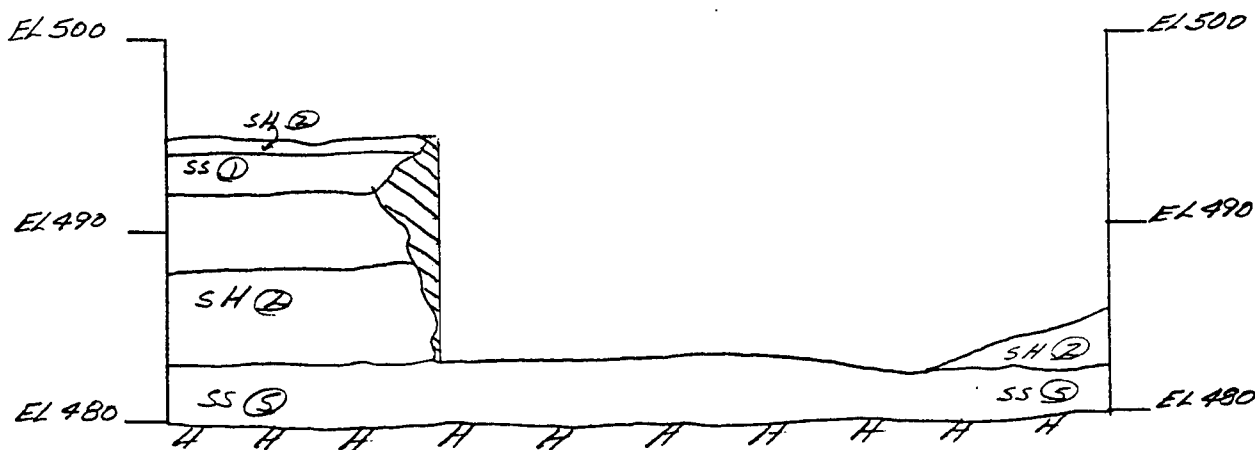


U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 58



WEST SIDE WALL



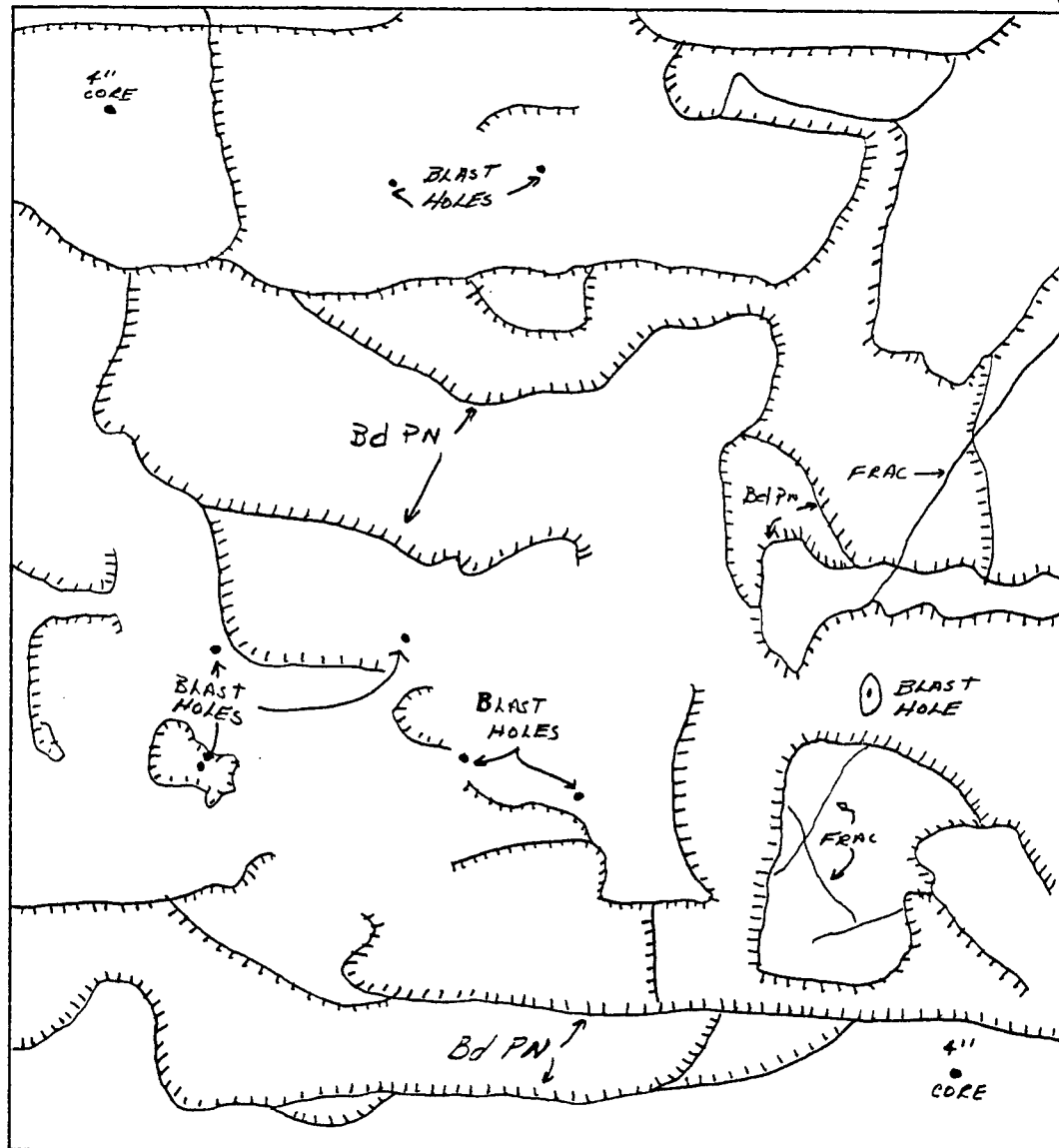
EAST SIDE WALL

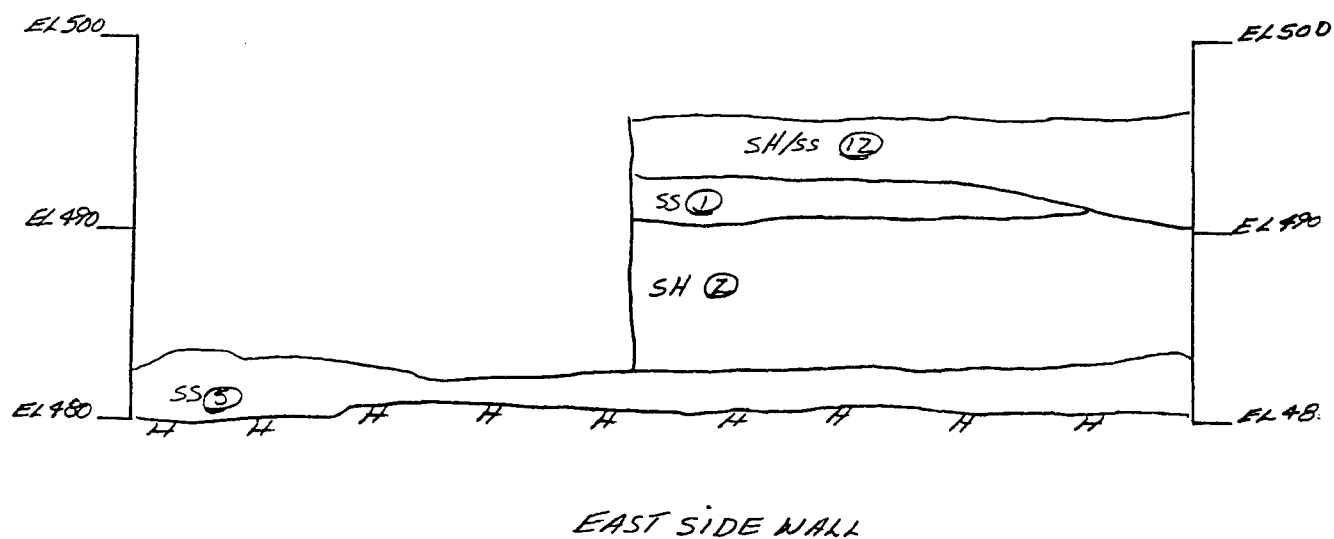
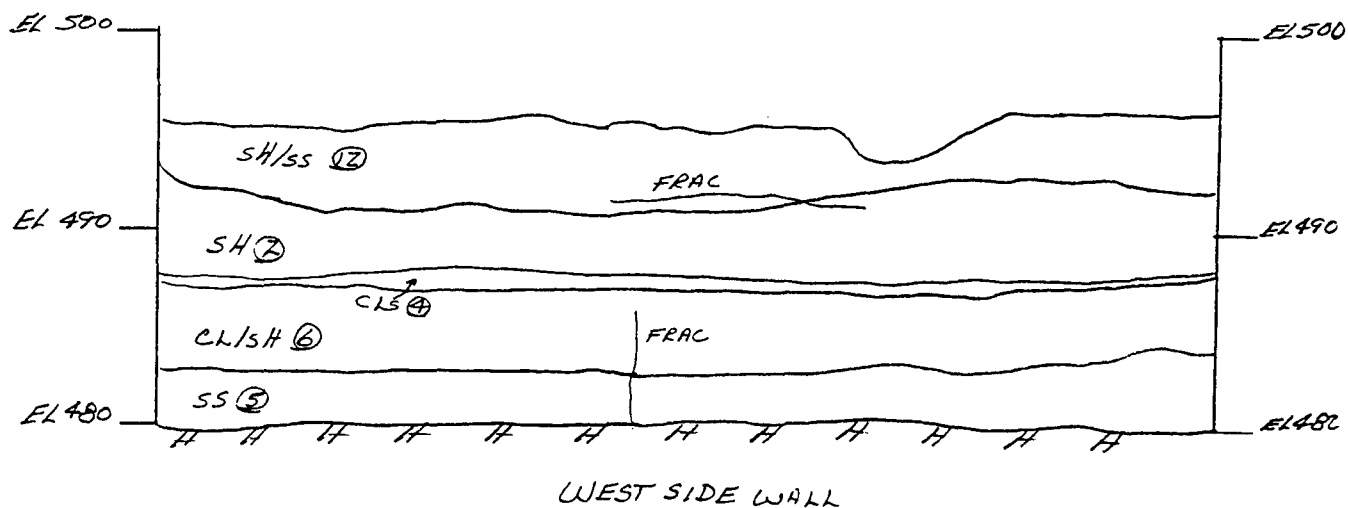
STA 0+35.6

STA 0+21.1

R-58

R-66



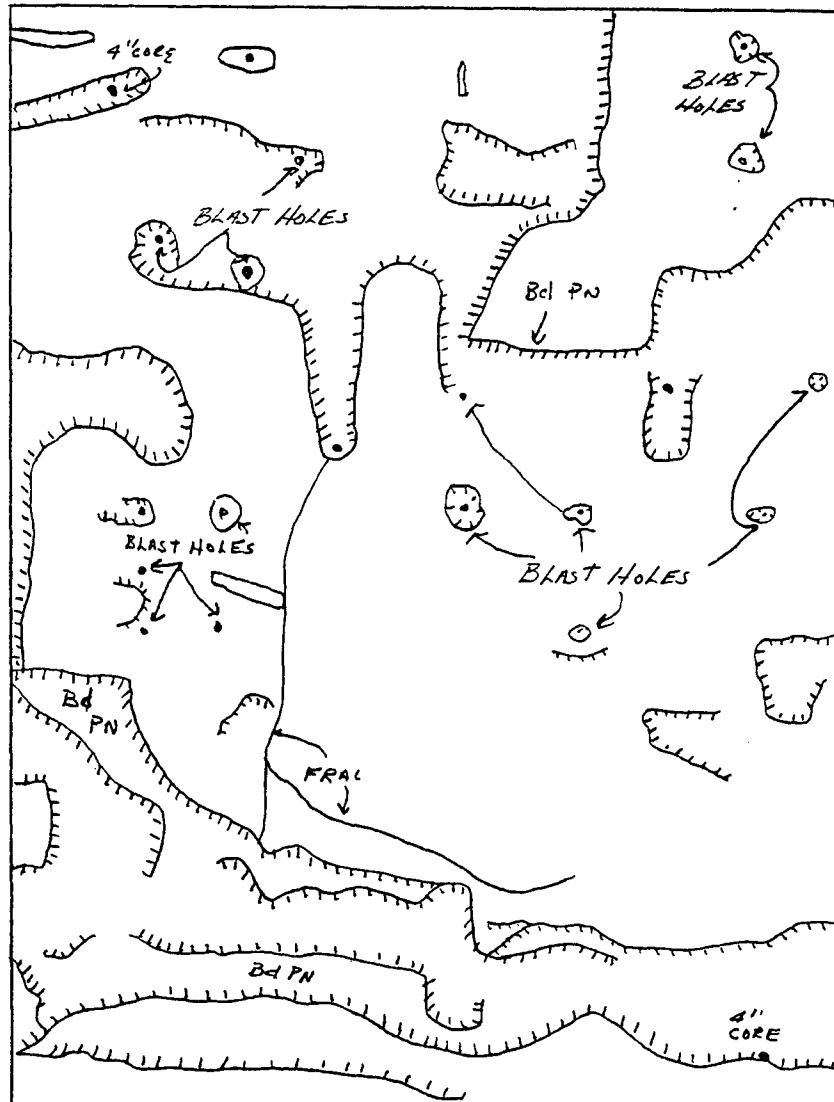


STA 0421A

STA 0465'

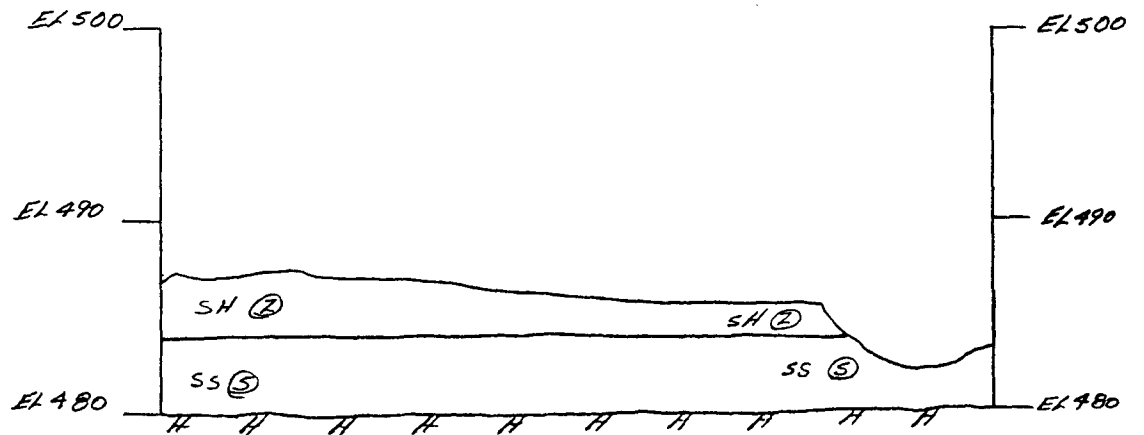
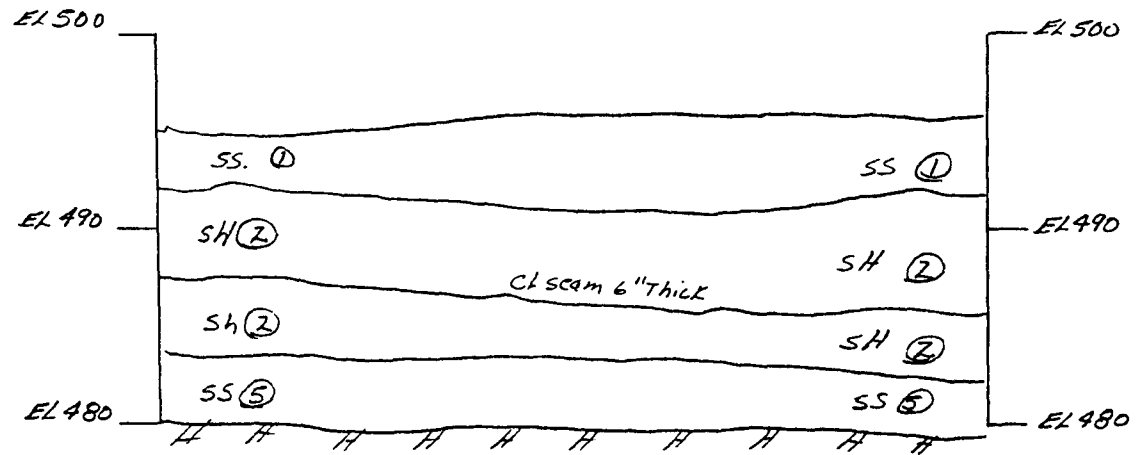
R-59

R-61

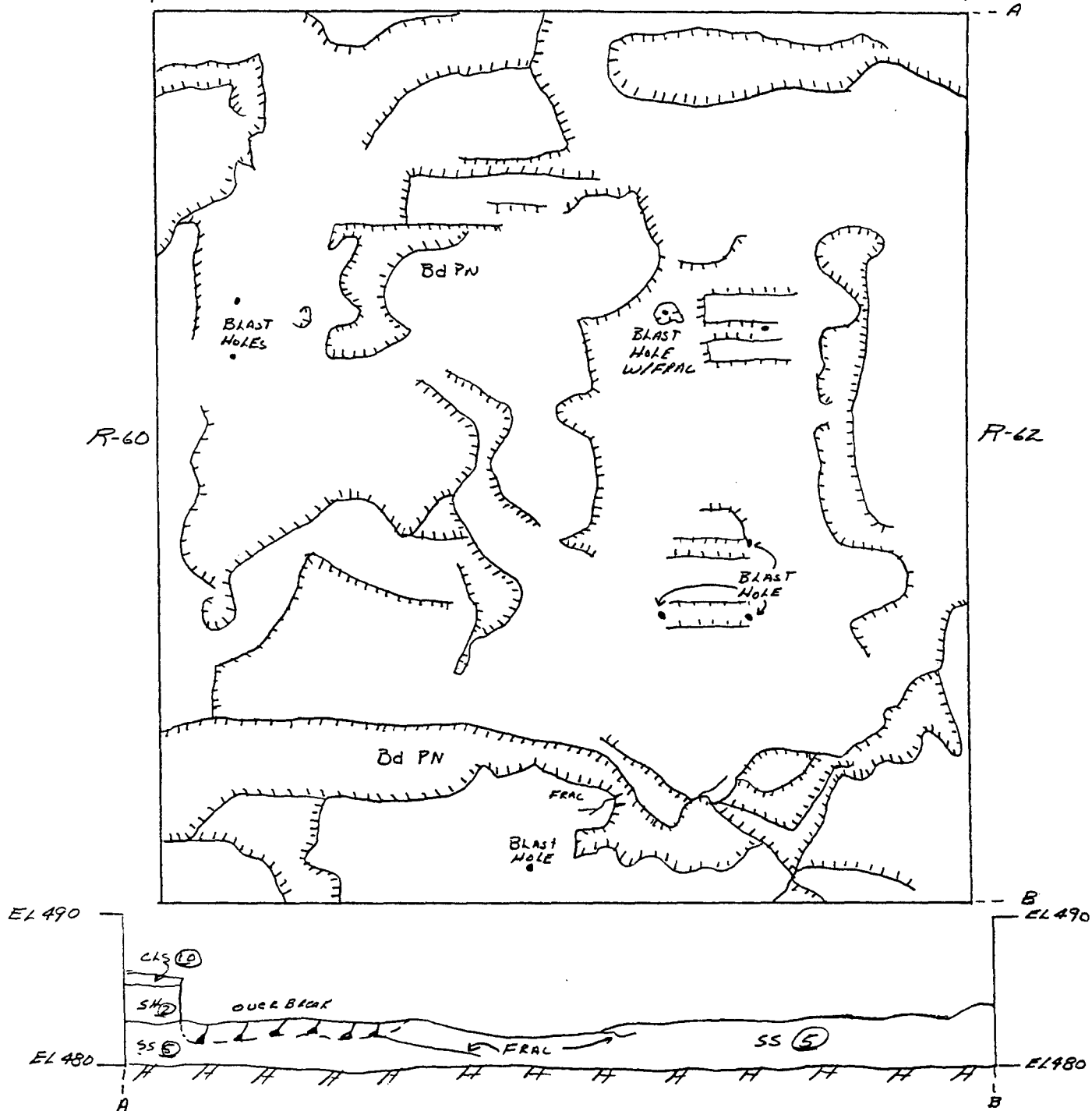


U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 60



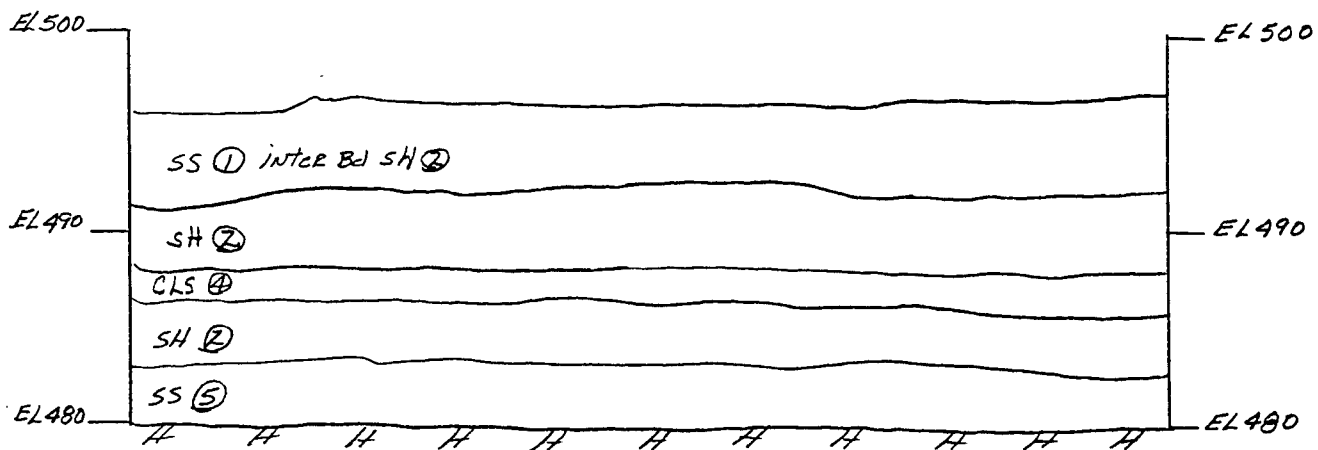
EAST SIDE WALL



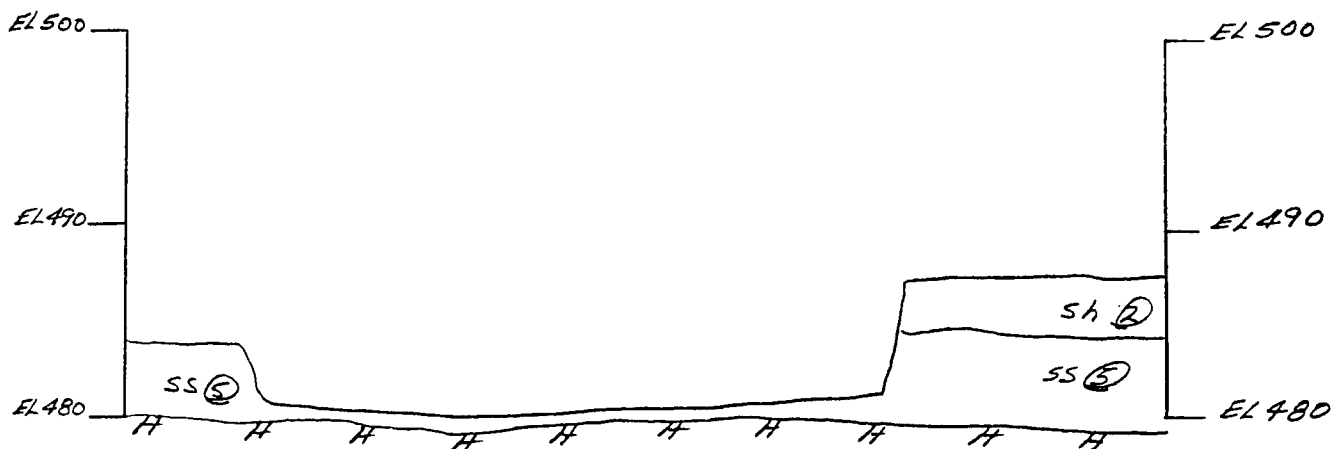
STEP R-61/R-62

U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 61



WEST SIDE WALL



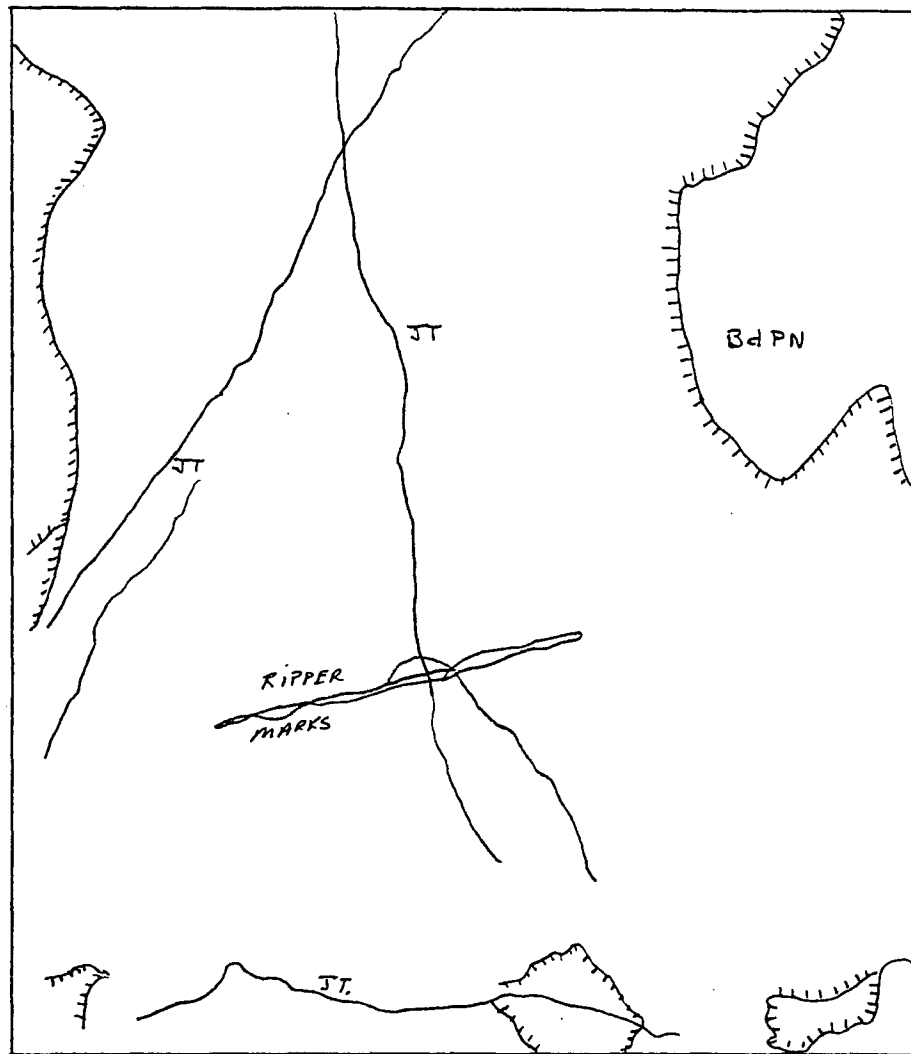
EAST SIDE WALL

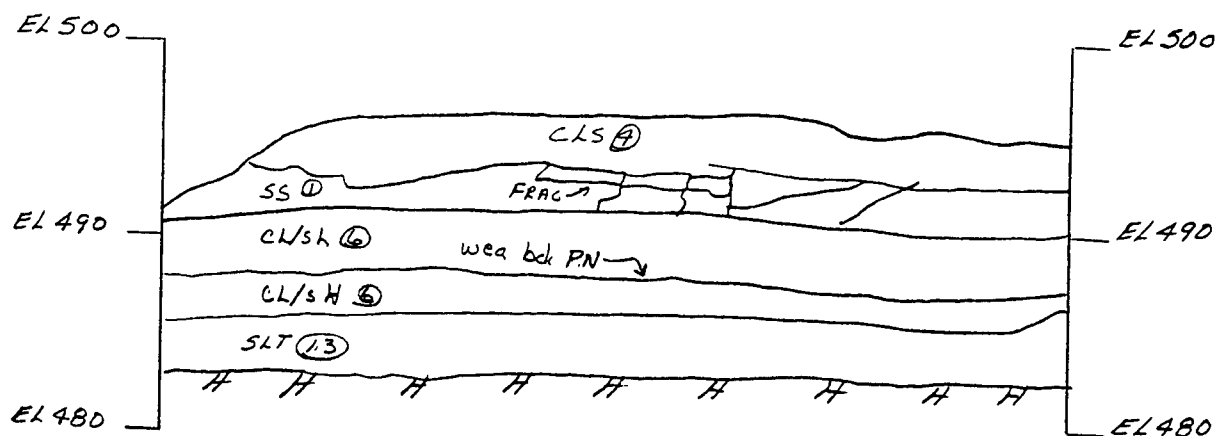
STA 1730

STA 1768

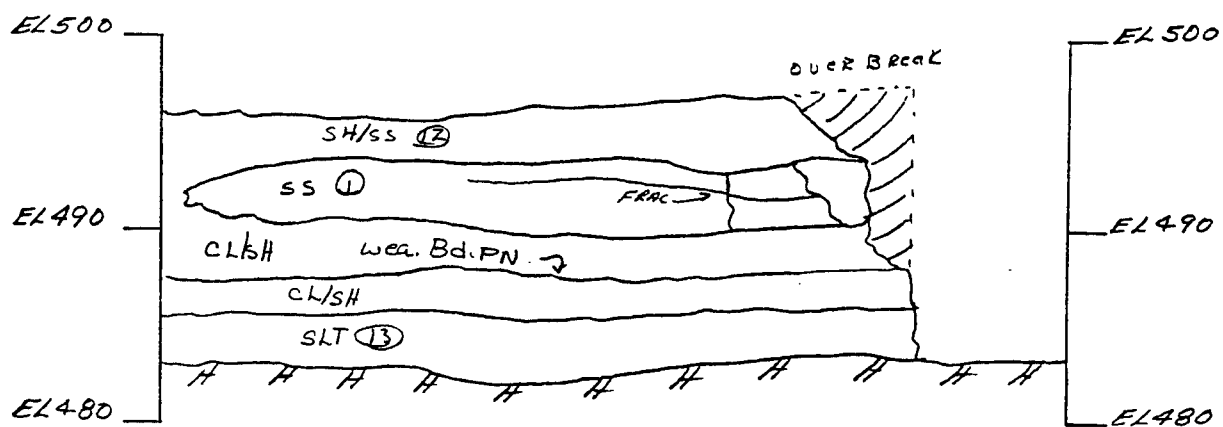
A-61

A-63





WEST SIDE WALL



EAST SIDE WALL

U.S. Army Corps of Engineers

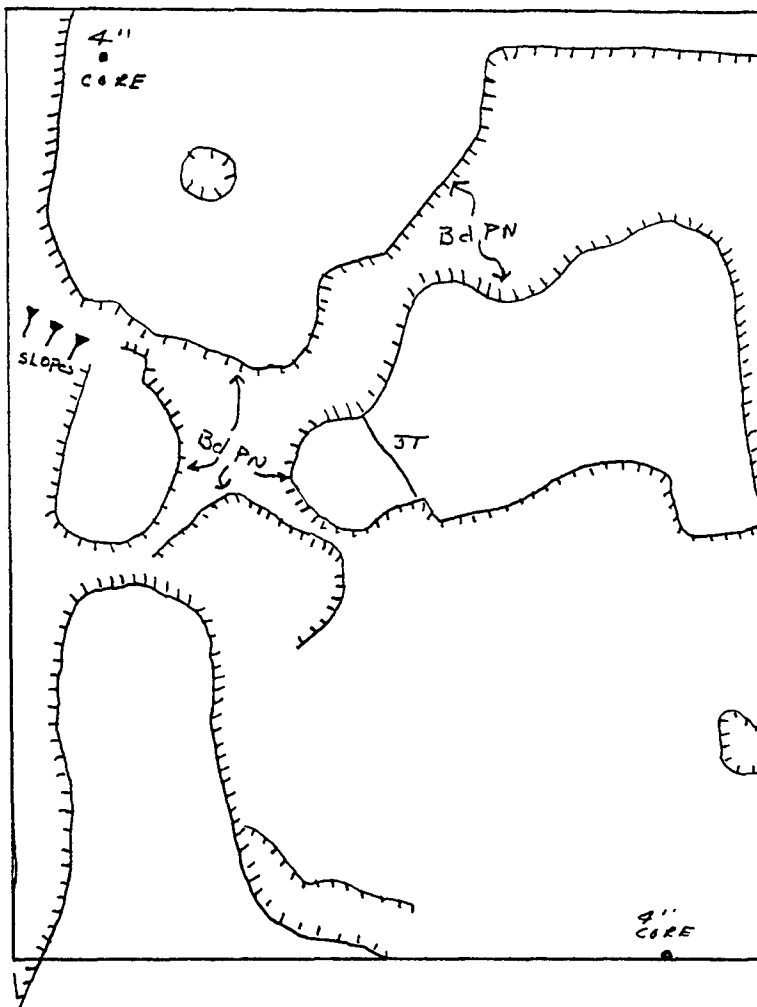
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 62

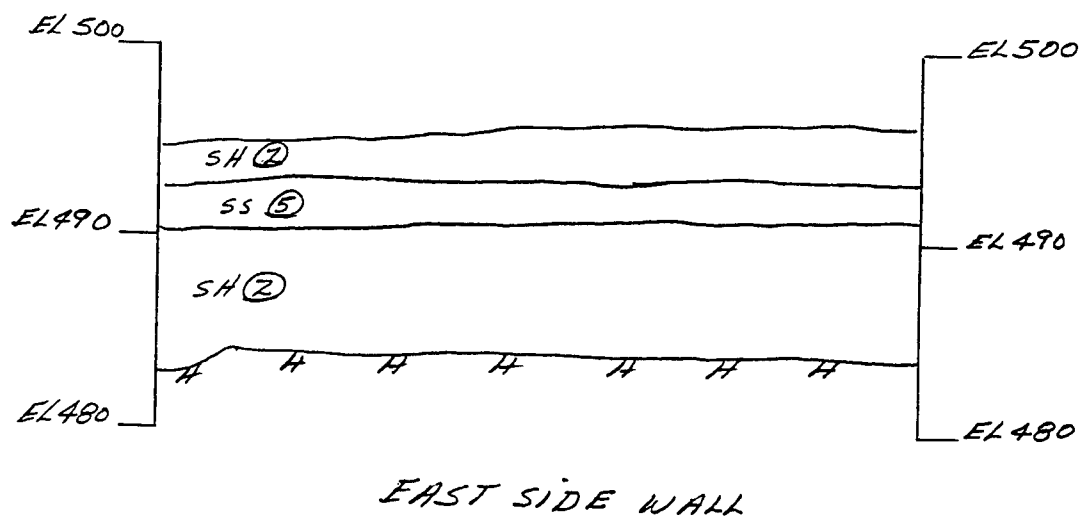
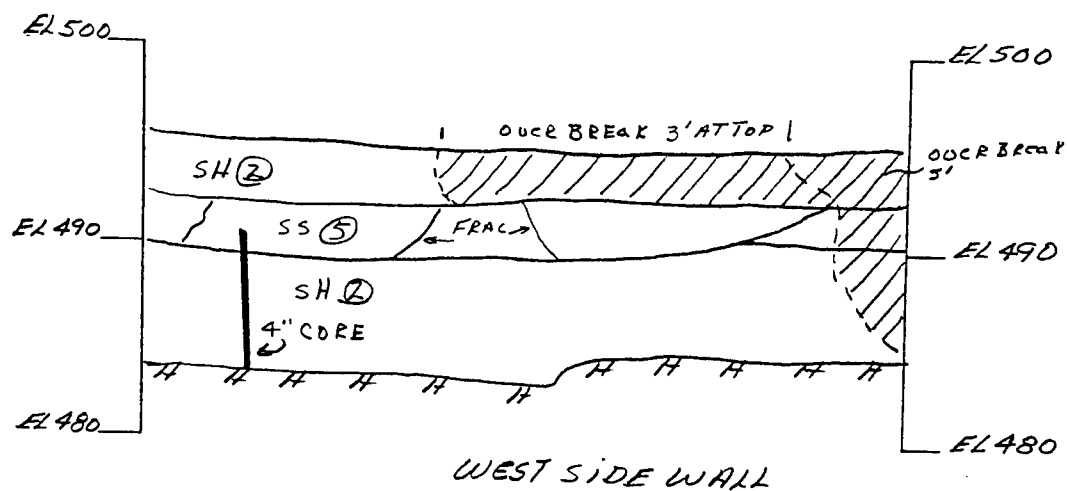
STA 1768

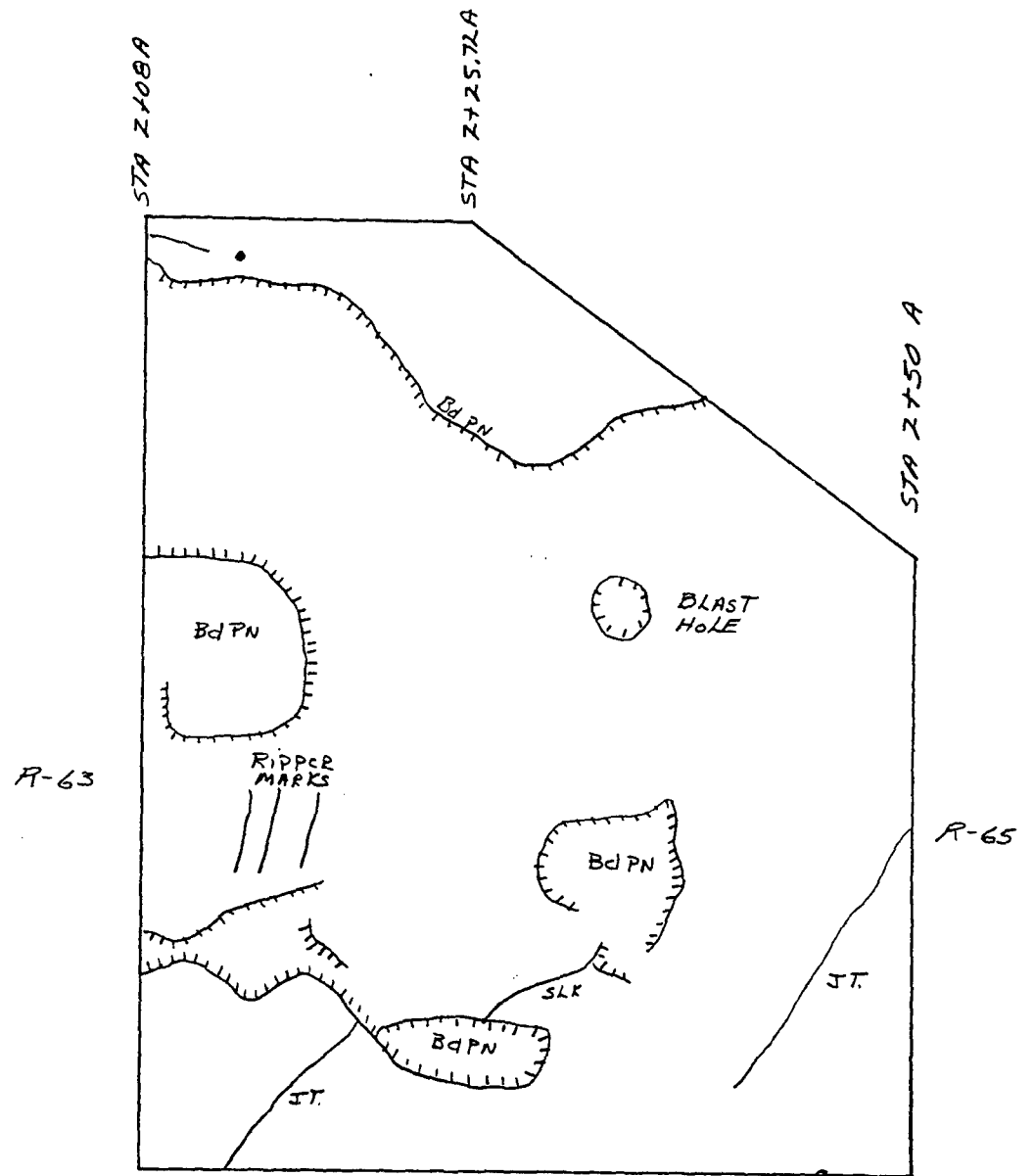
STA 2406

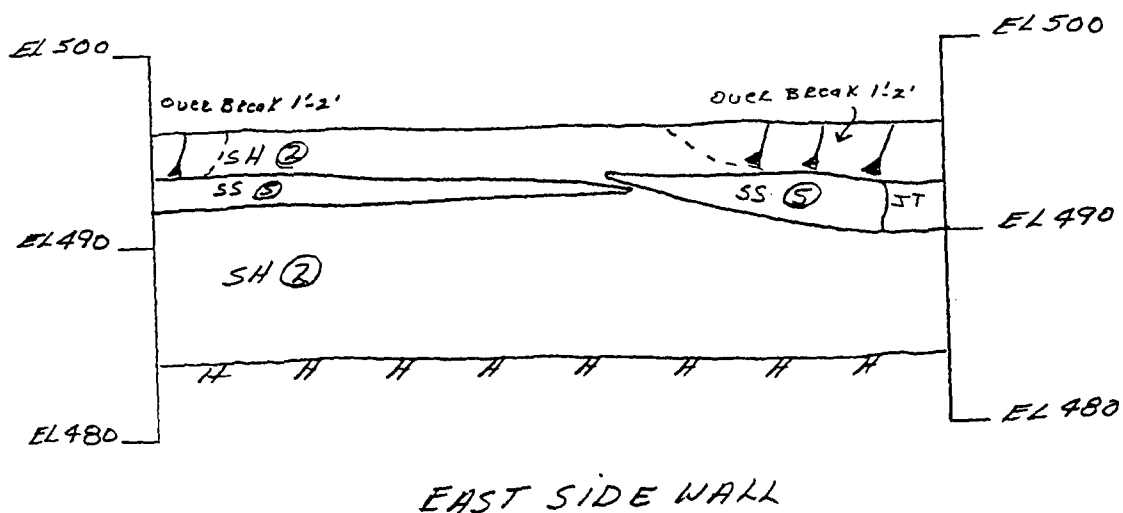
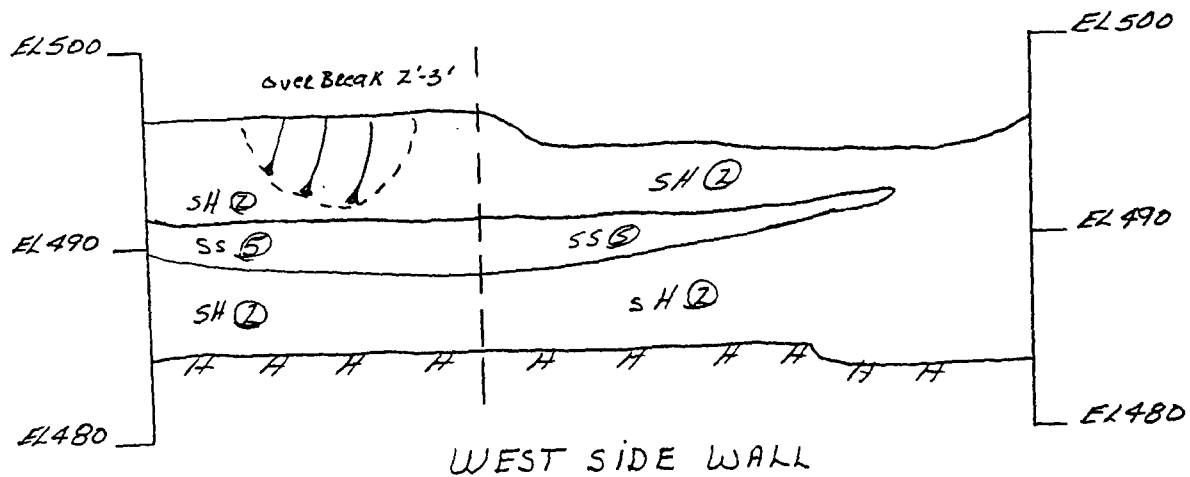
R-62

R-64



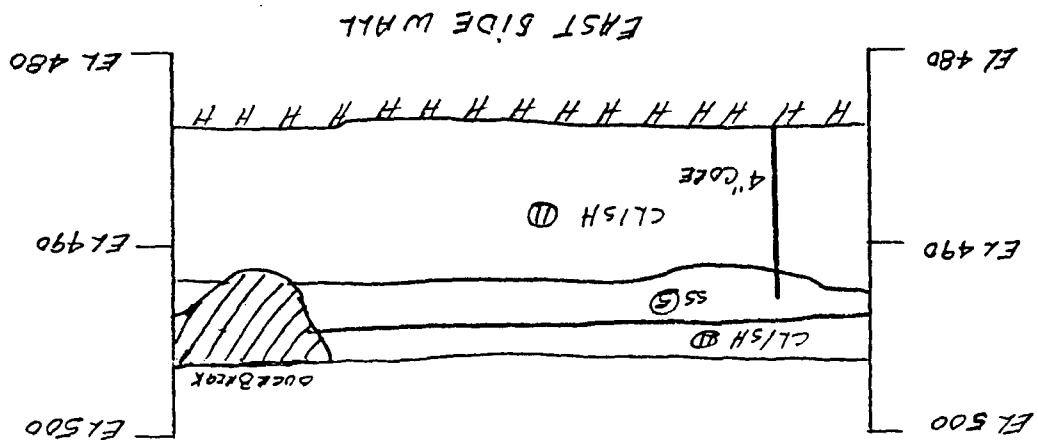
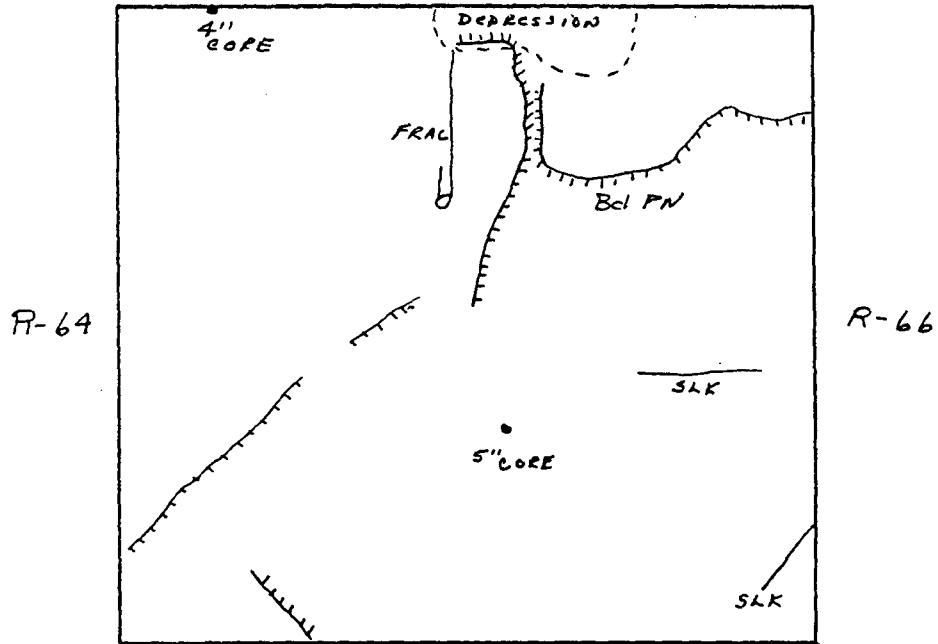
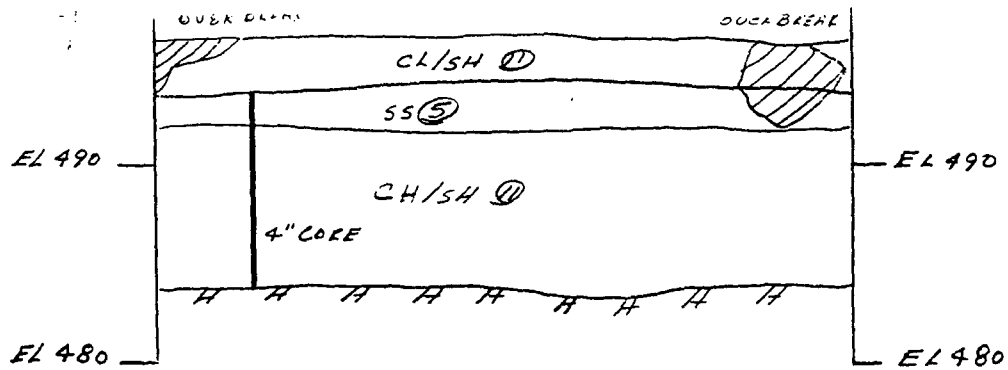






U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 64

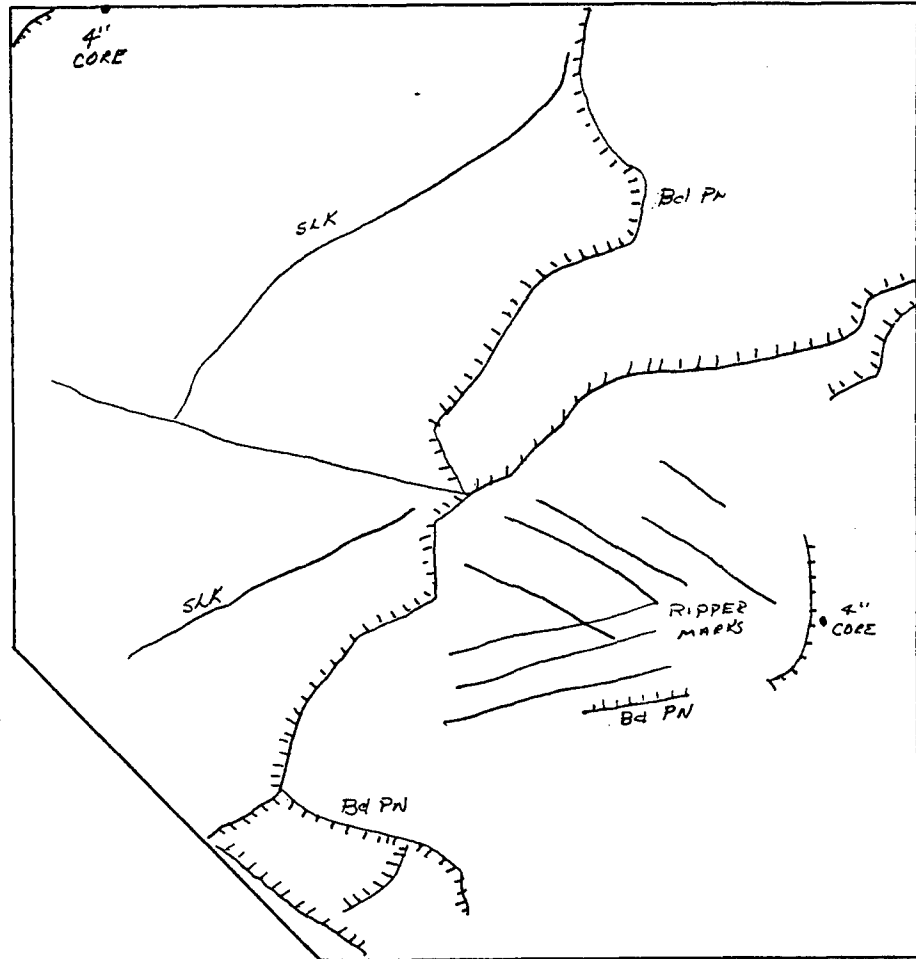


U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 65

STA 2+87

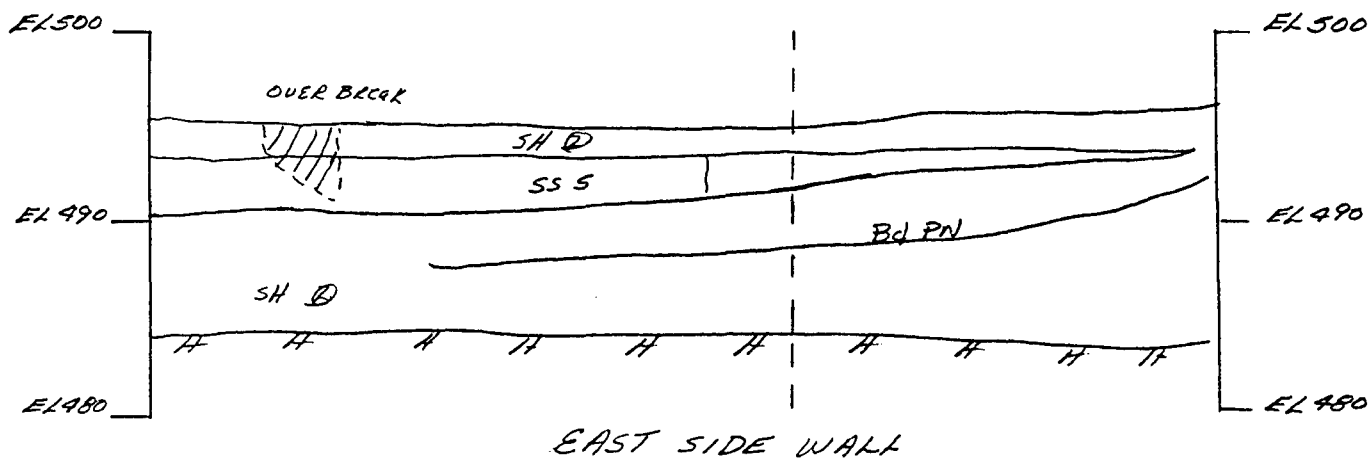
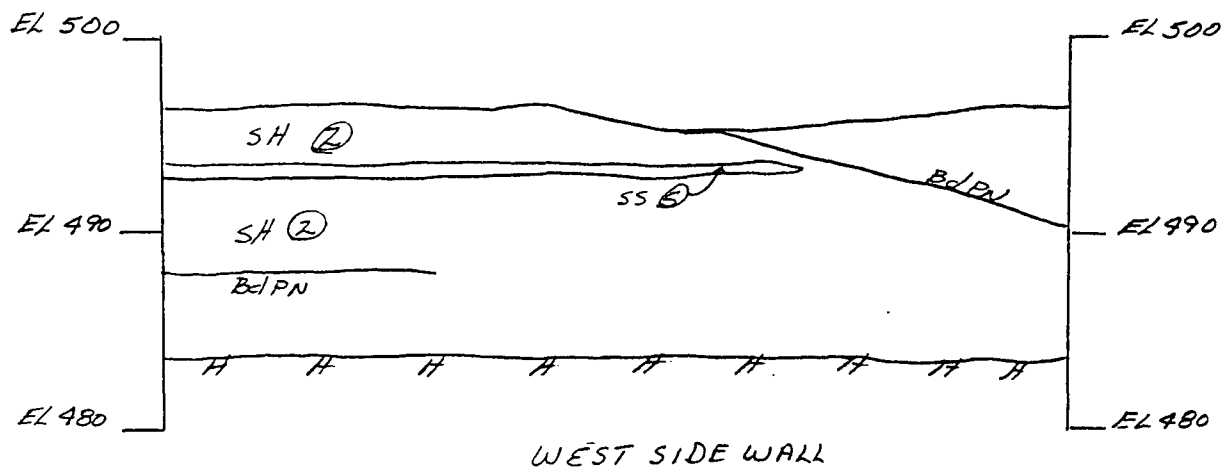
STA 3+35

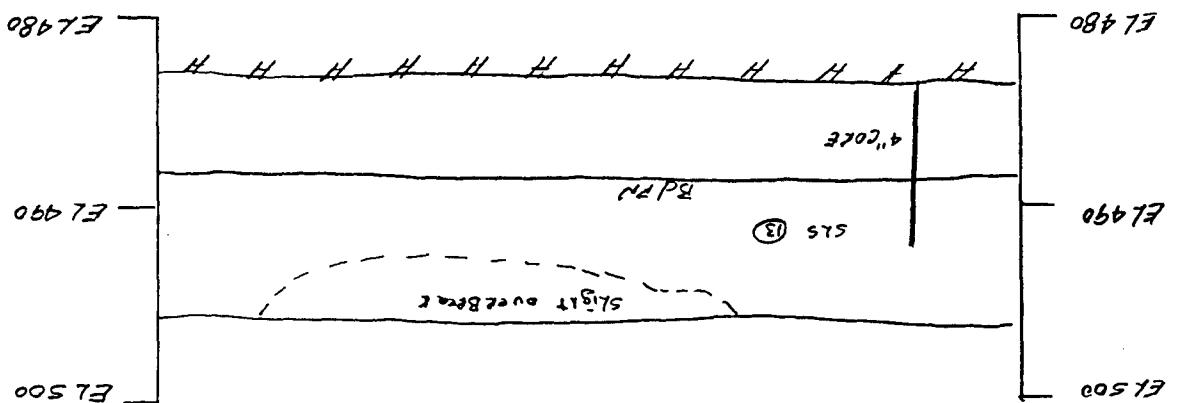
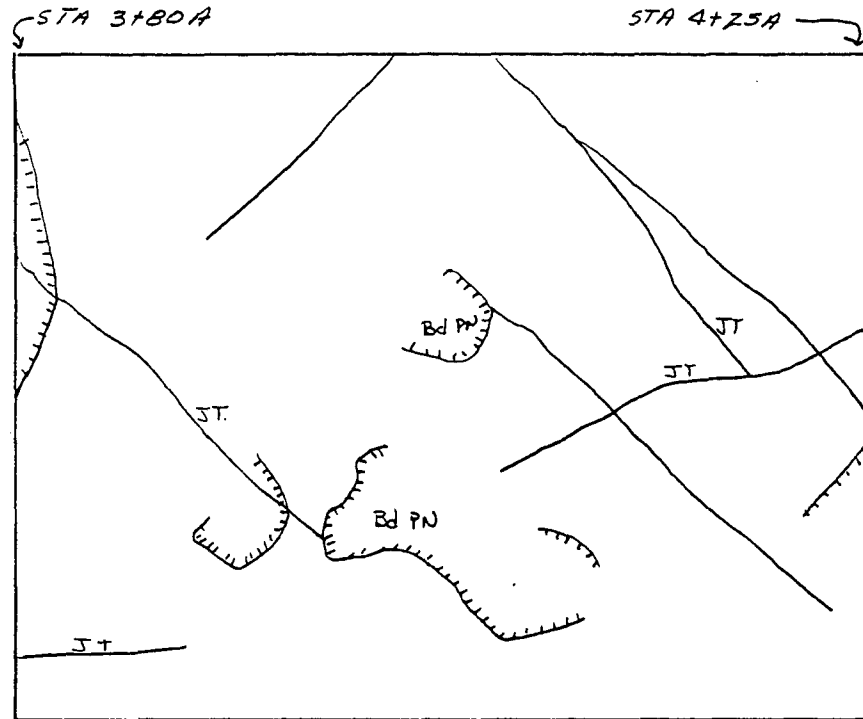
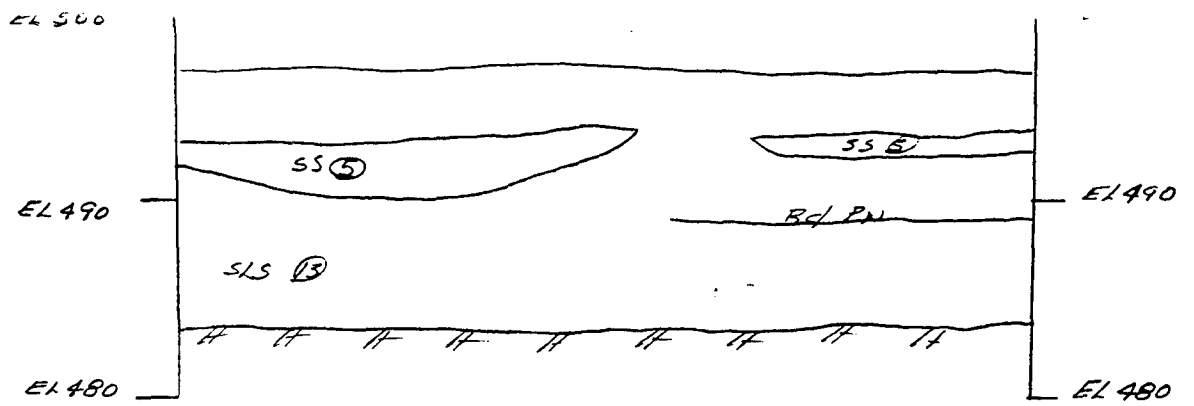


STA 3+03A

U.S. Army Corps of Engineers

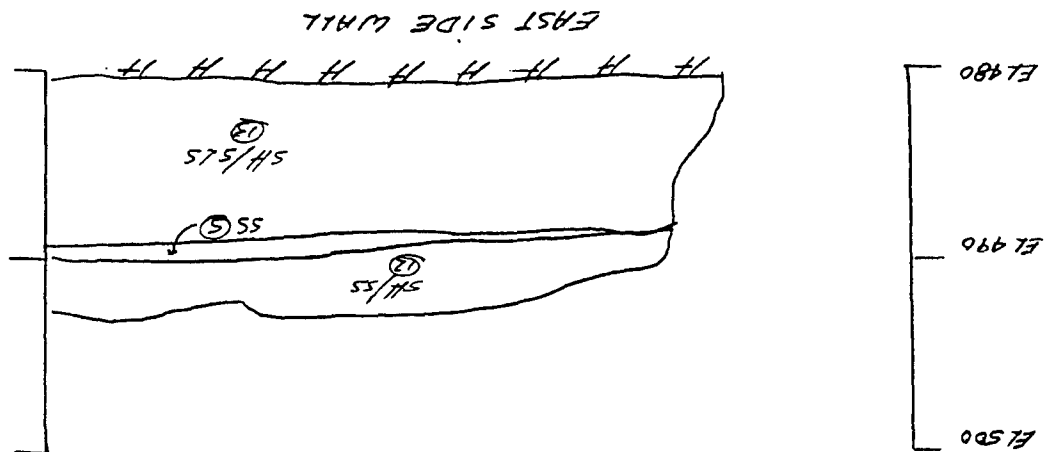
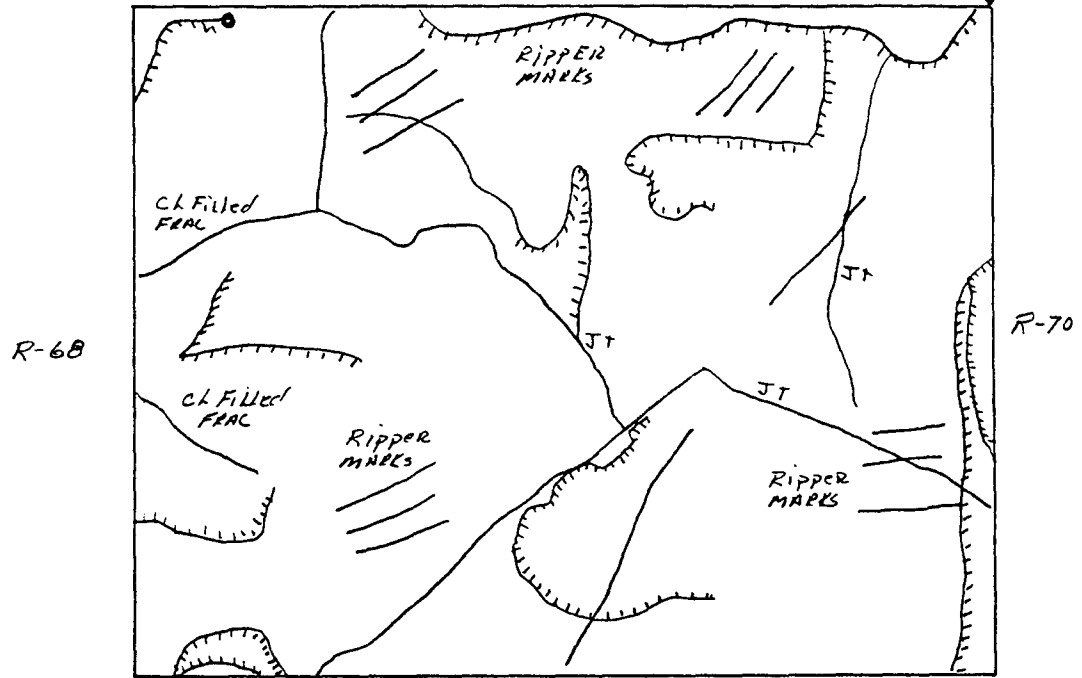
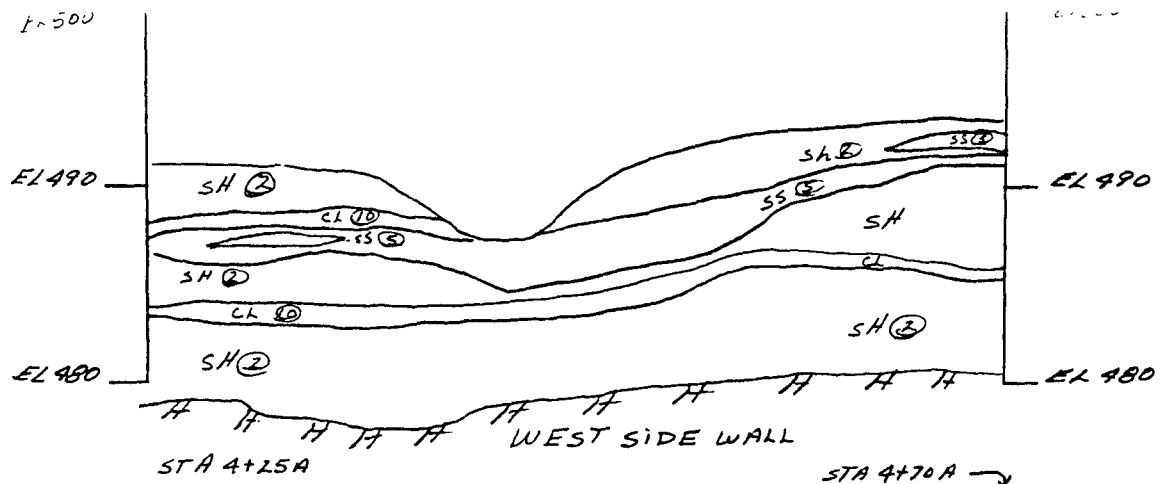
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 66





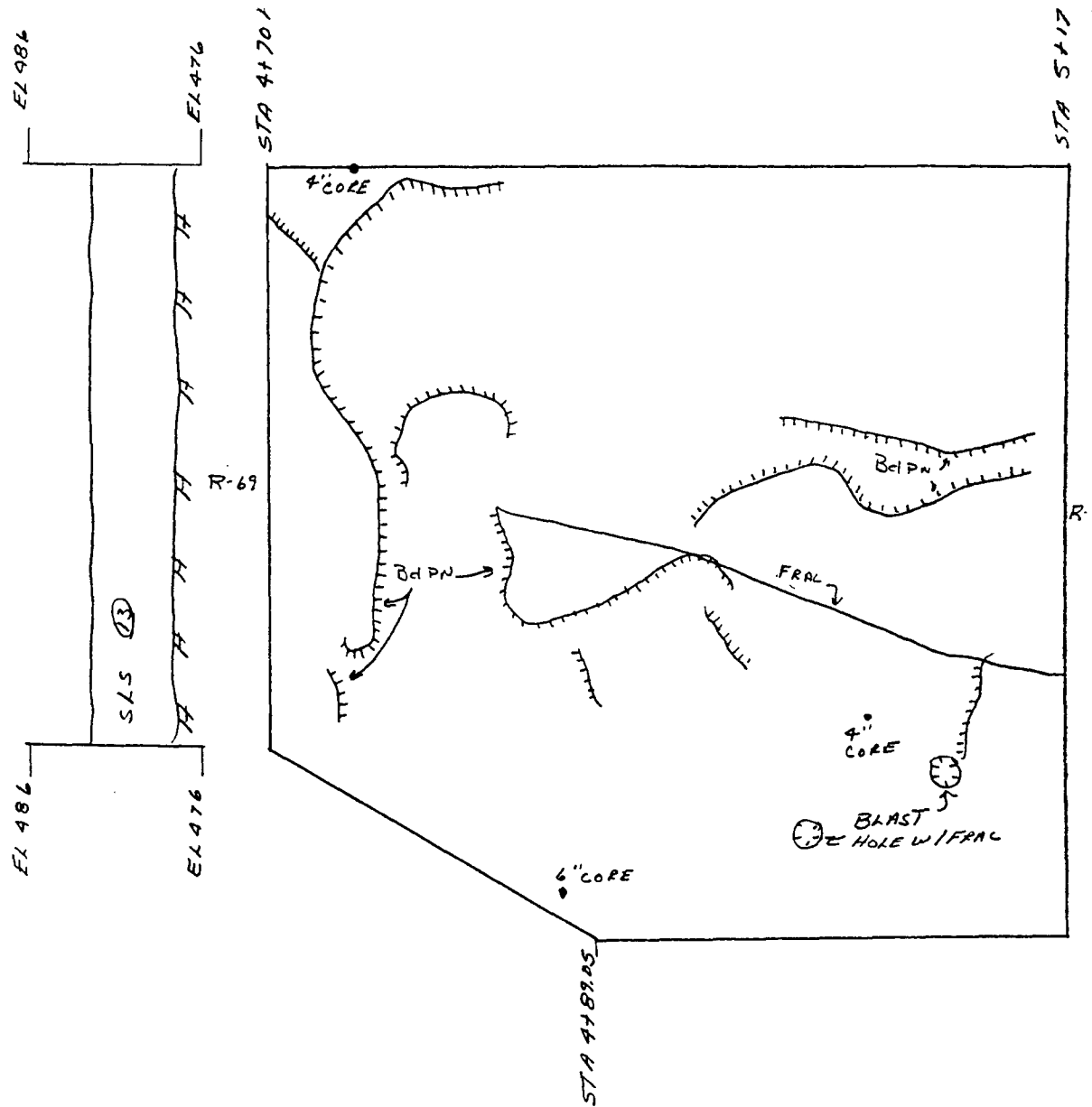
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 68



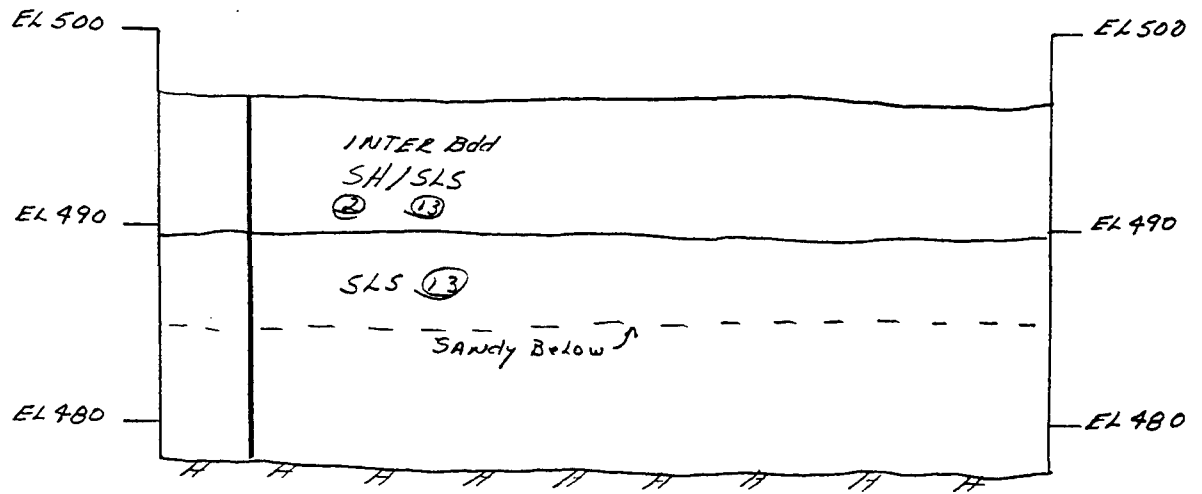
U. S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 69

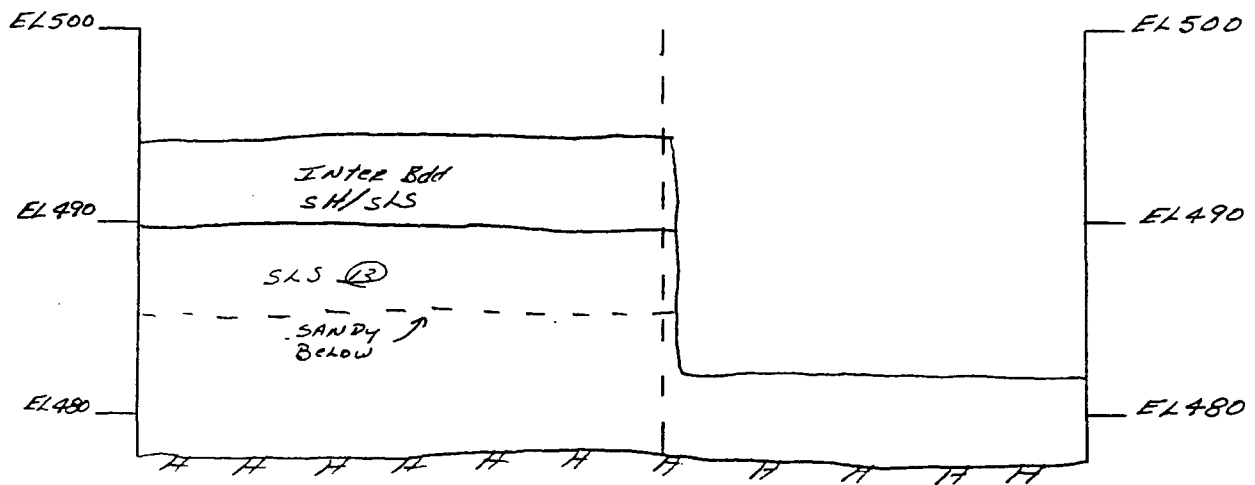


U.S. Army Corps of Engineers

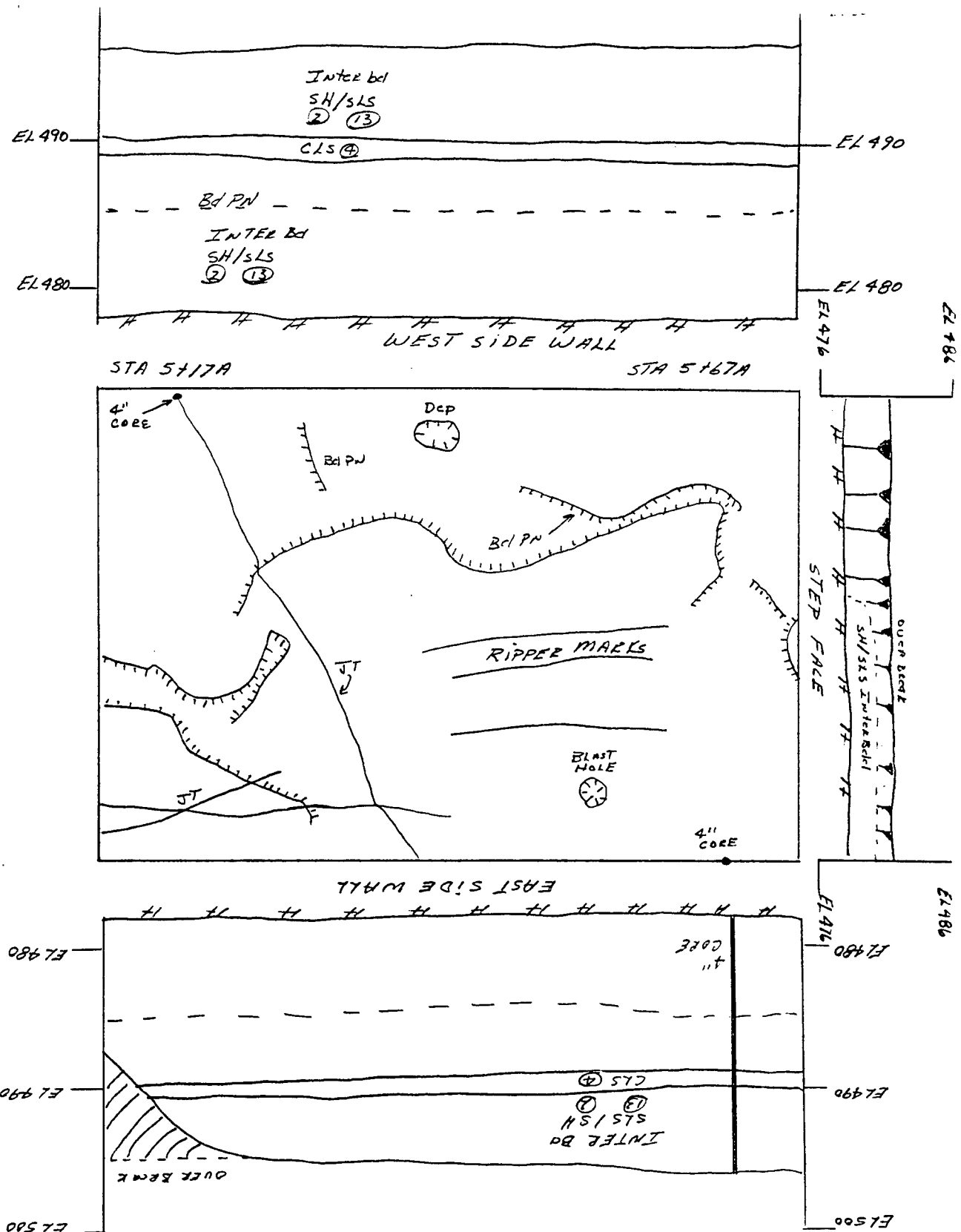
Gallipolis Lock and Dam
 Lock in Canal
 Foundation Drawing
 River Wall Monolith 70

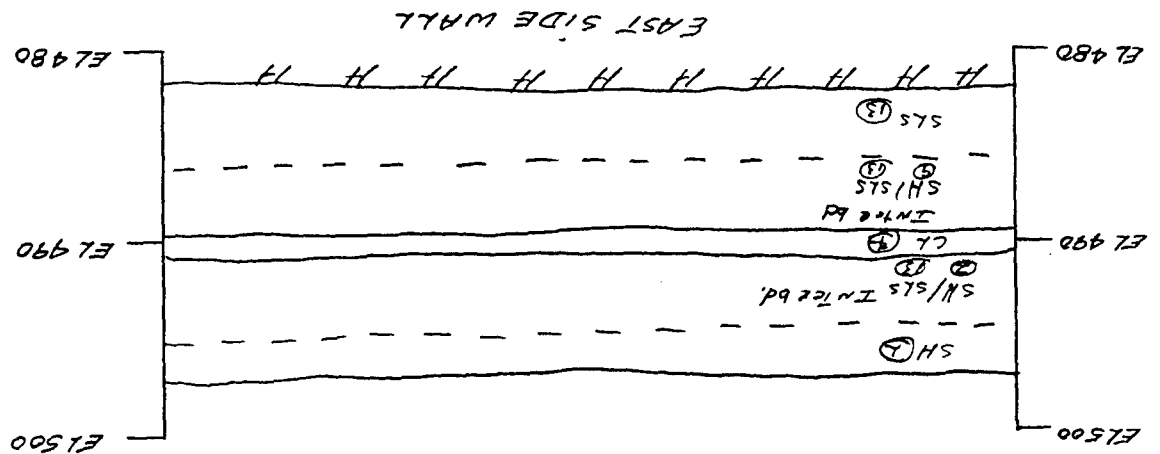
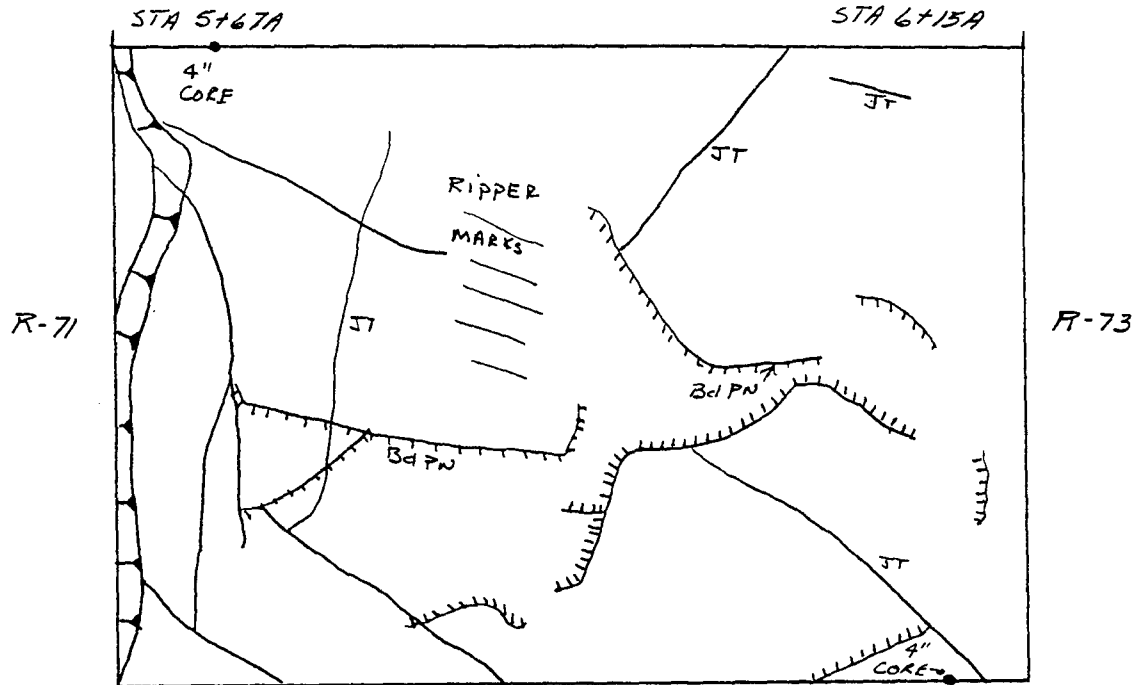
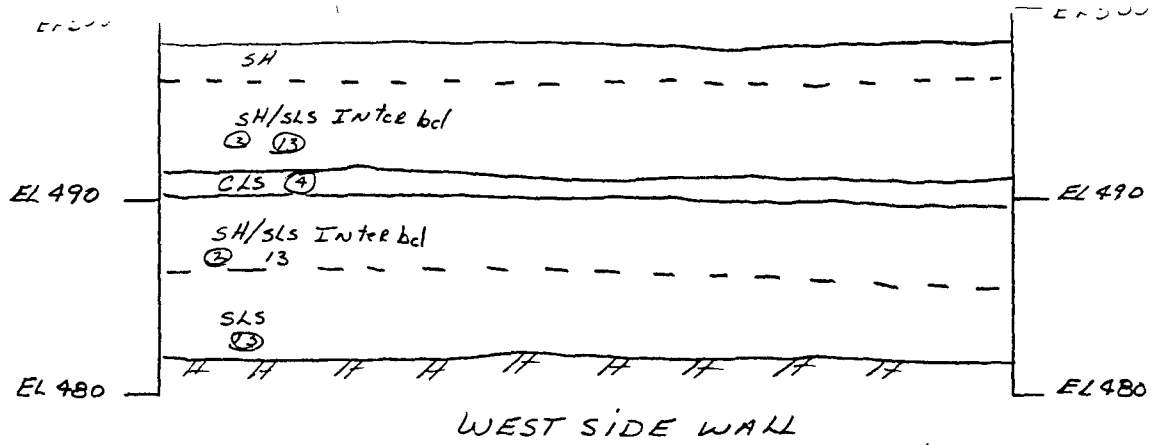


WEST SIDE WALL



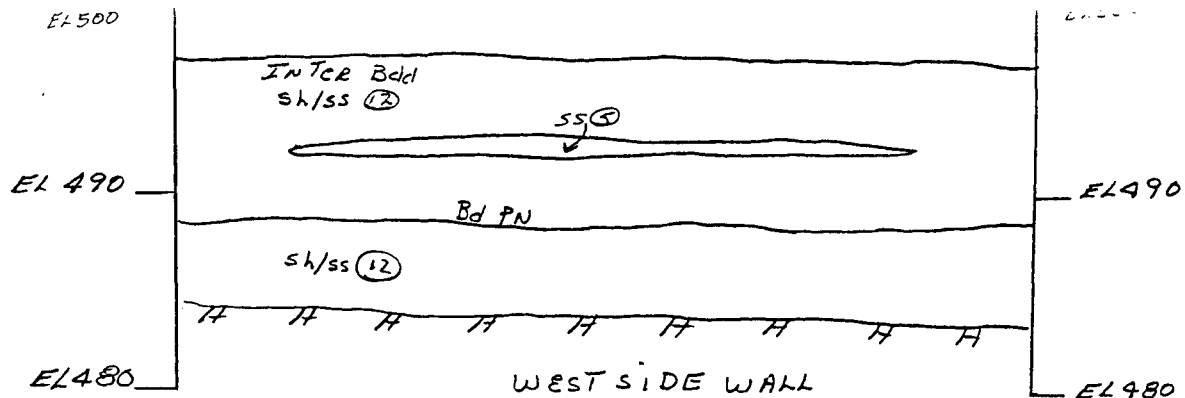
EAST SIDE WALL





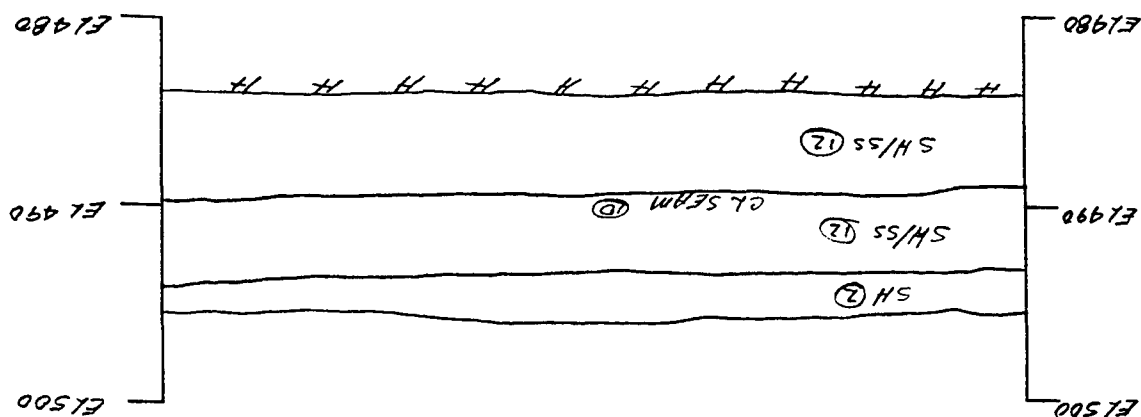
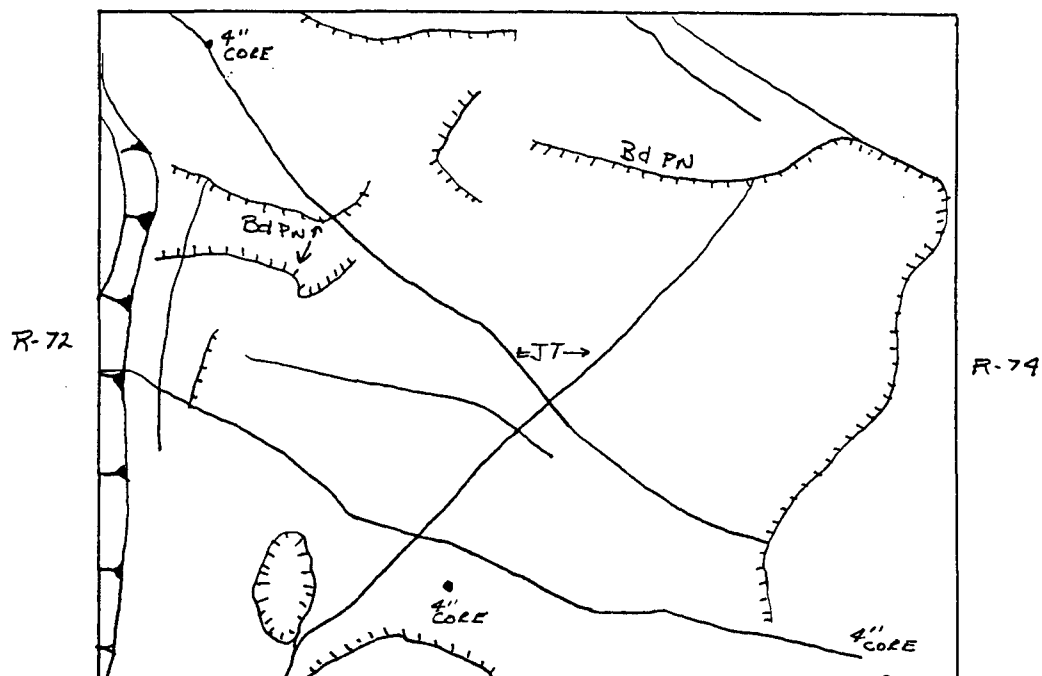
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 72



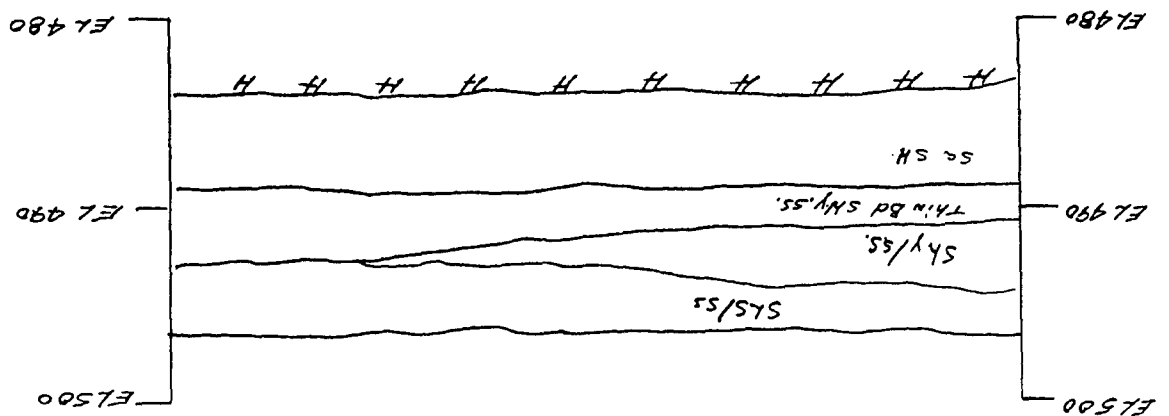
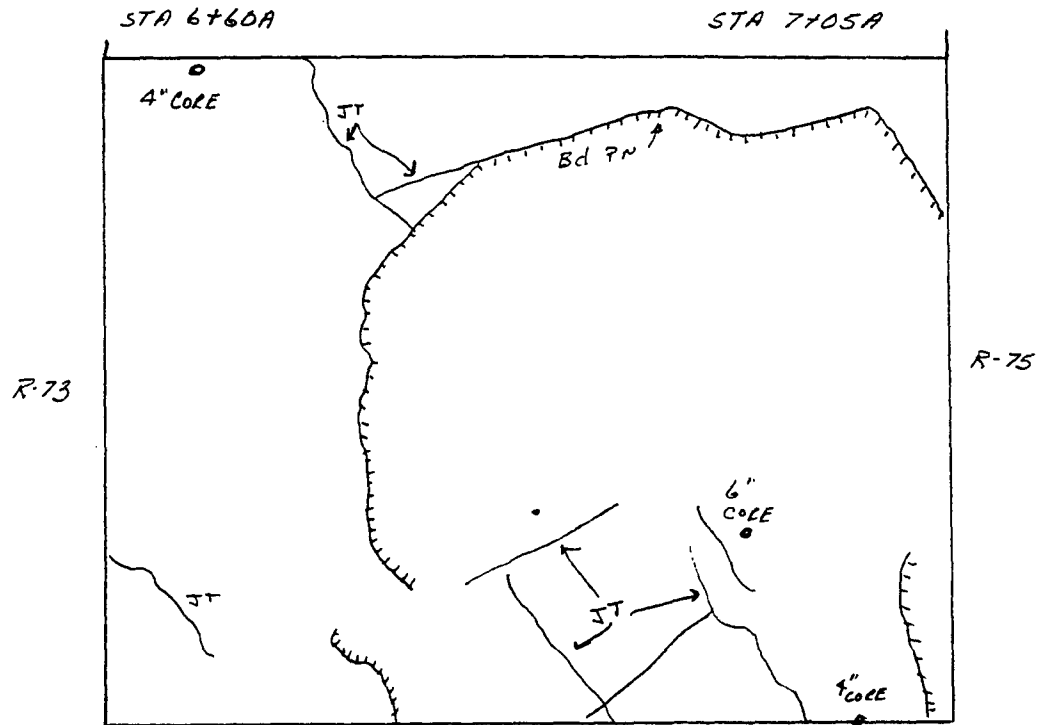
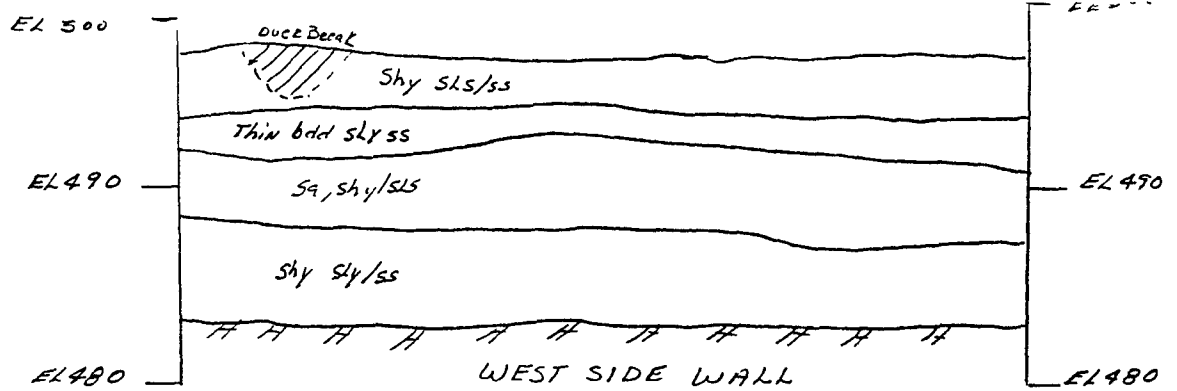
STA 6+15A

STA 6+60A



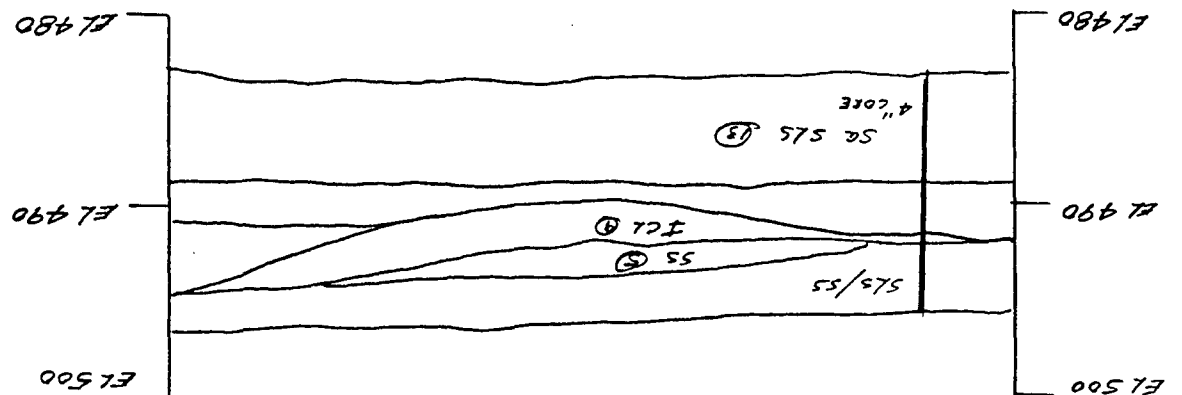
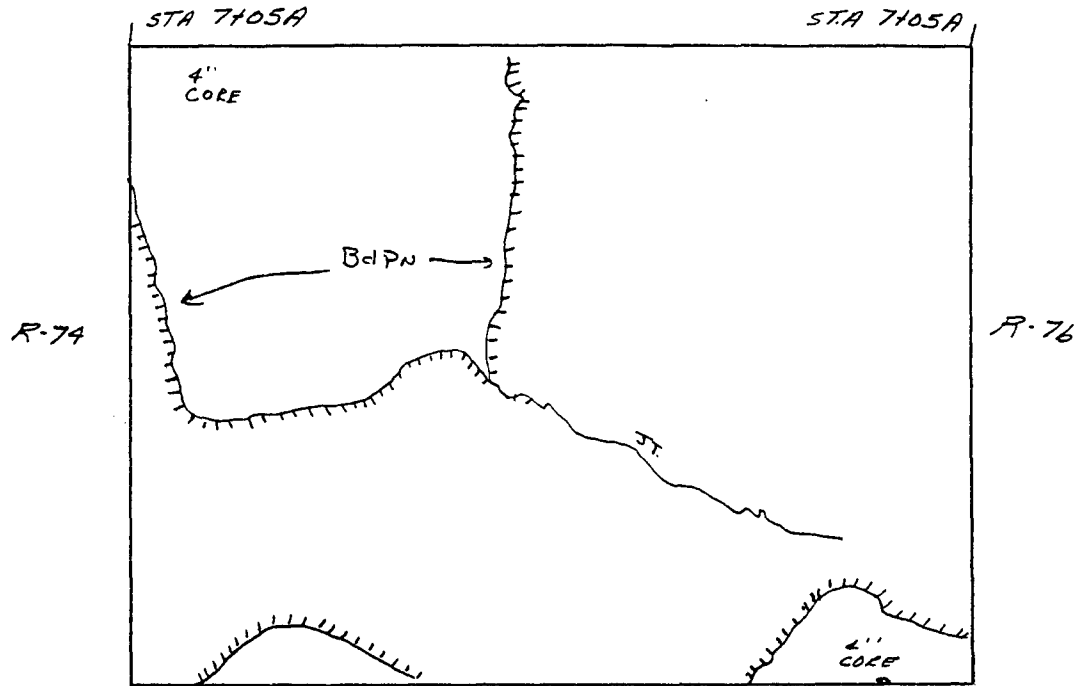
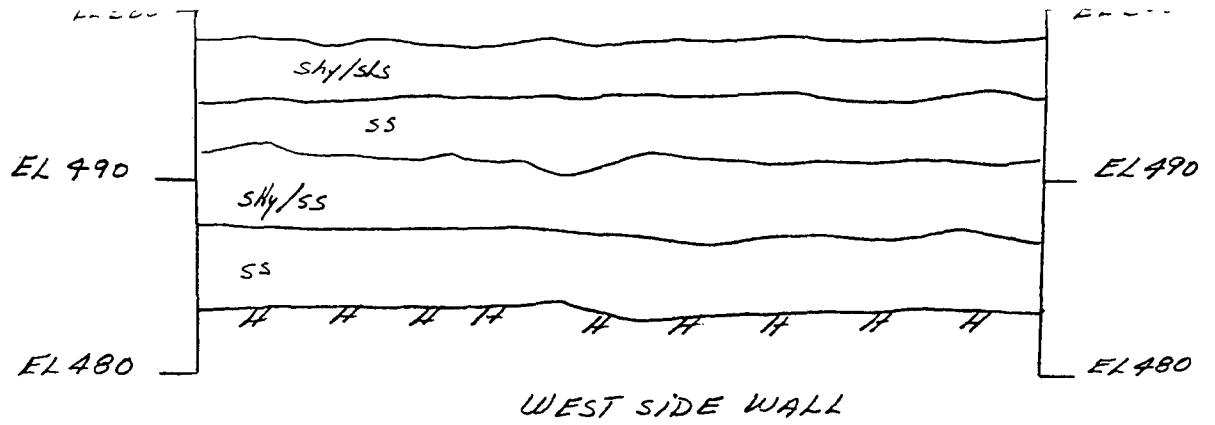
U.S. Army Corps of Engineers

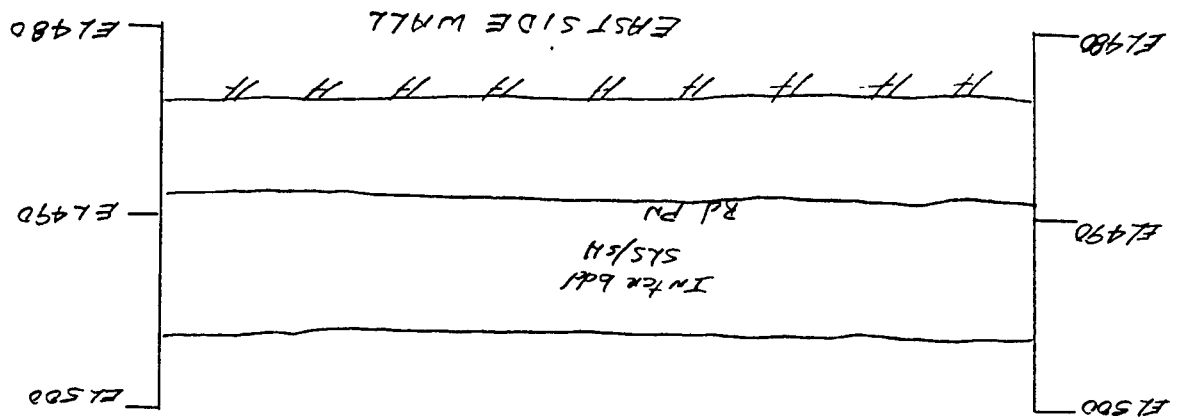
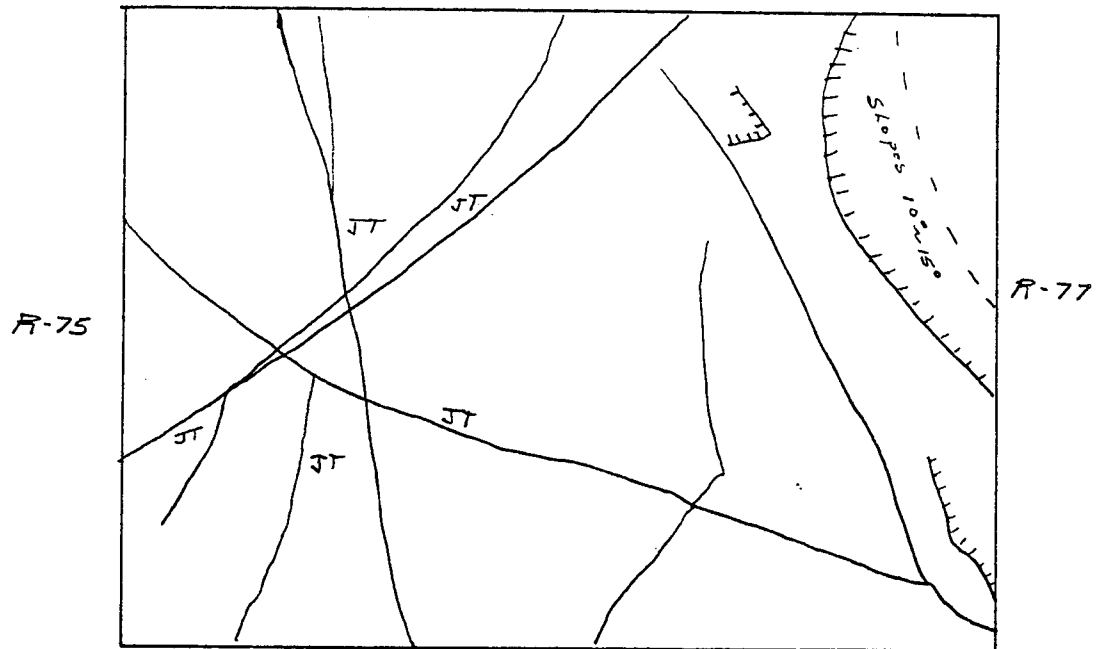
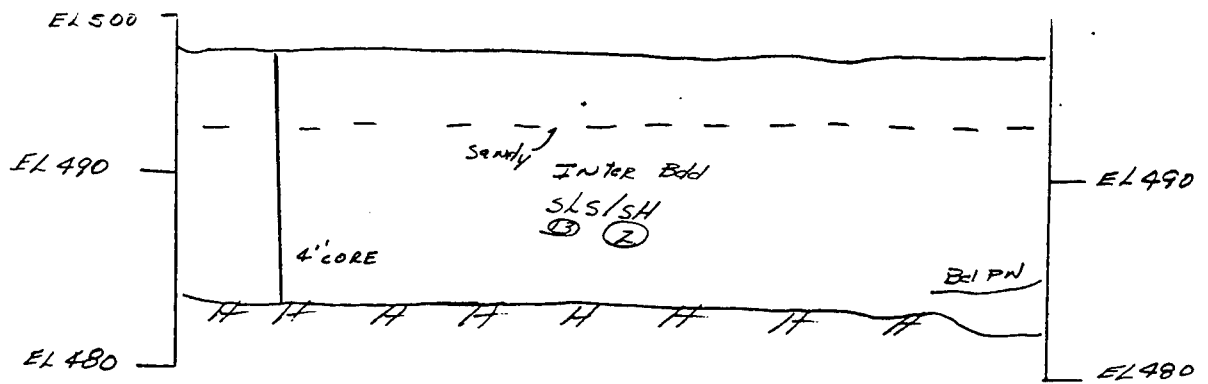
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 73

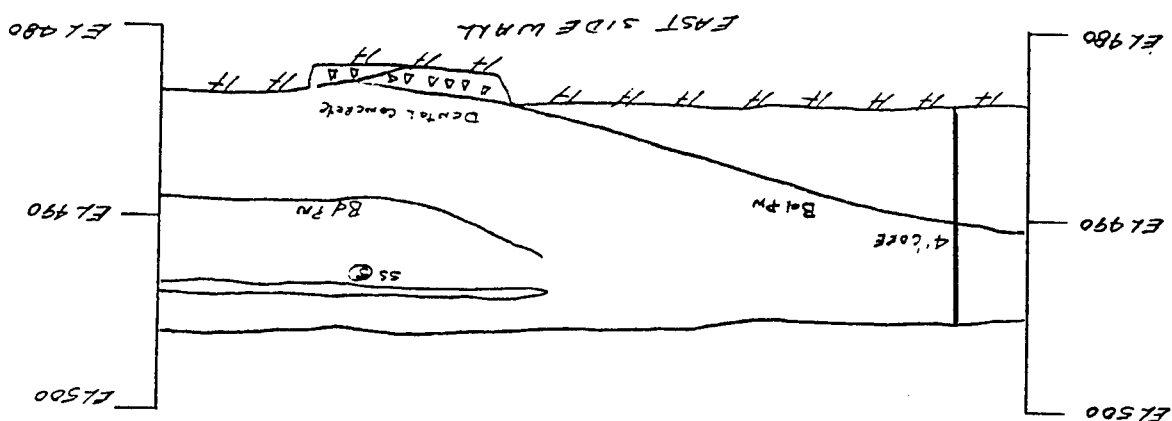
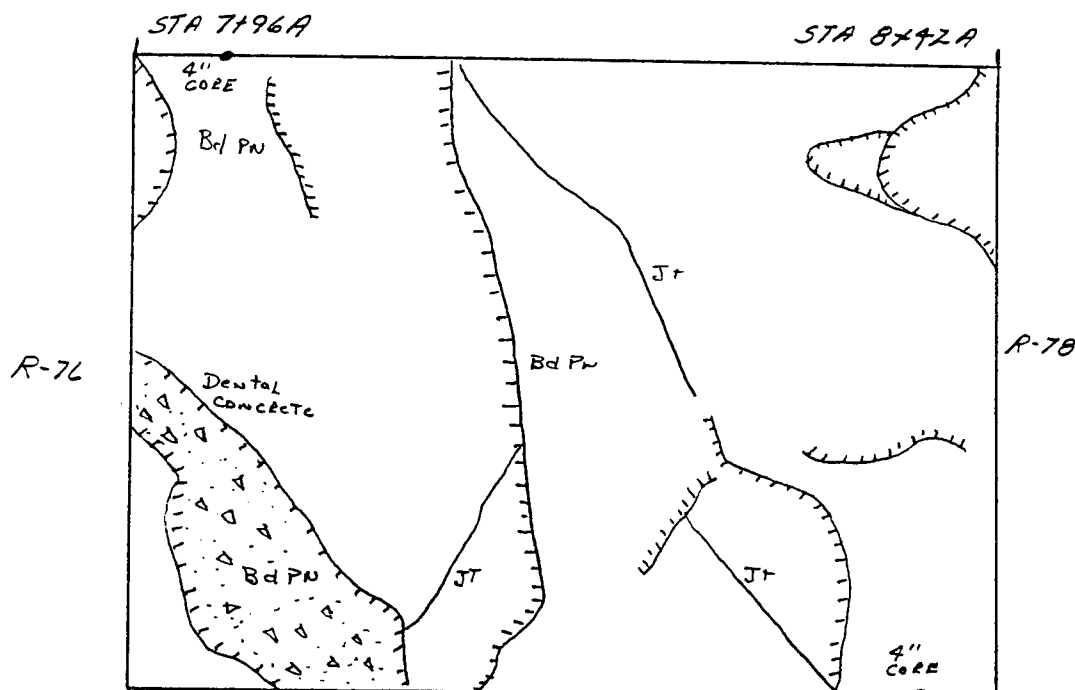
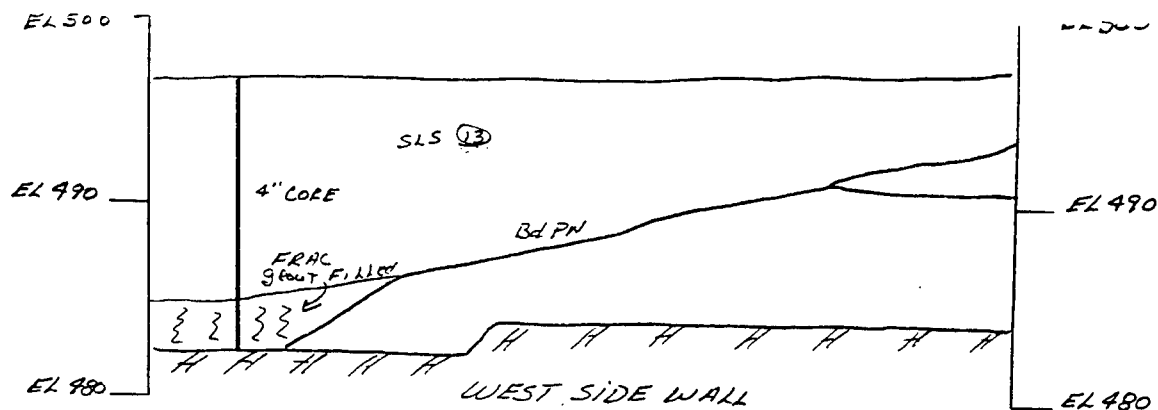


U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 74







U. S. Army Corps of Engineers

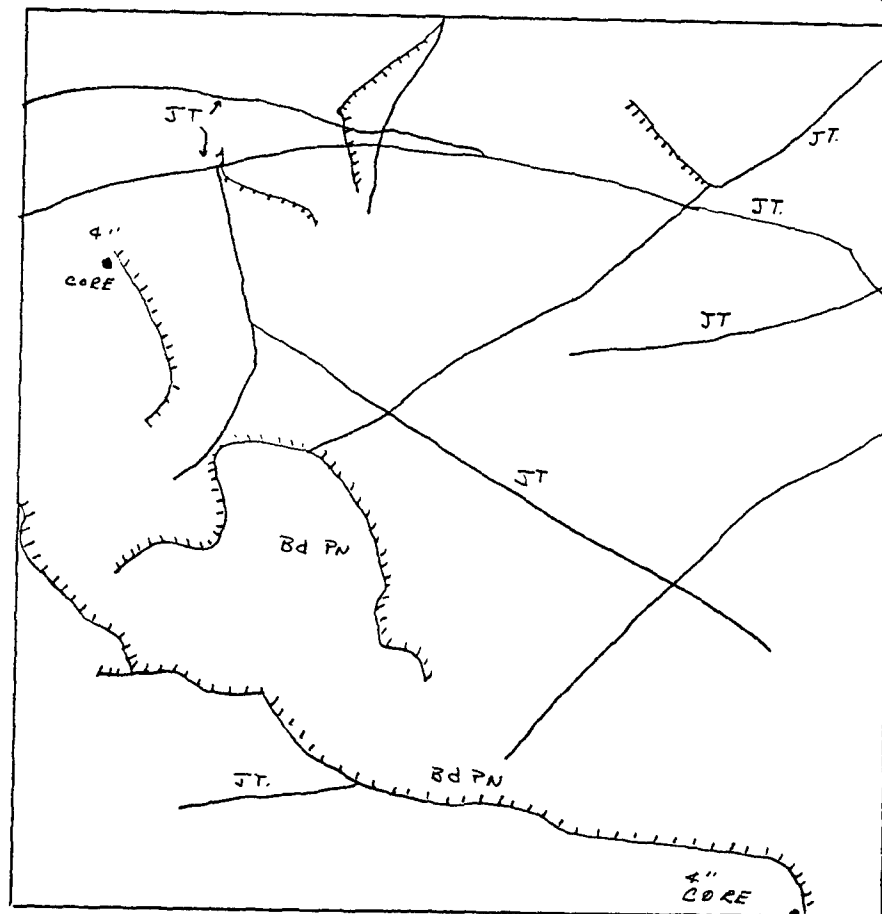
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 77

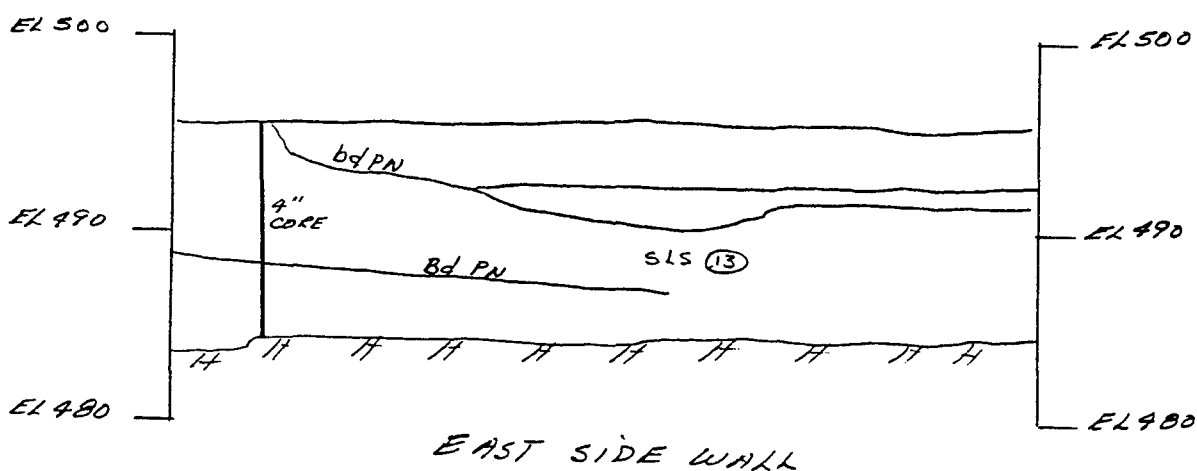
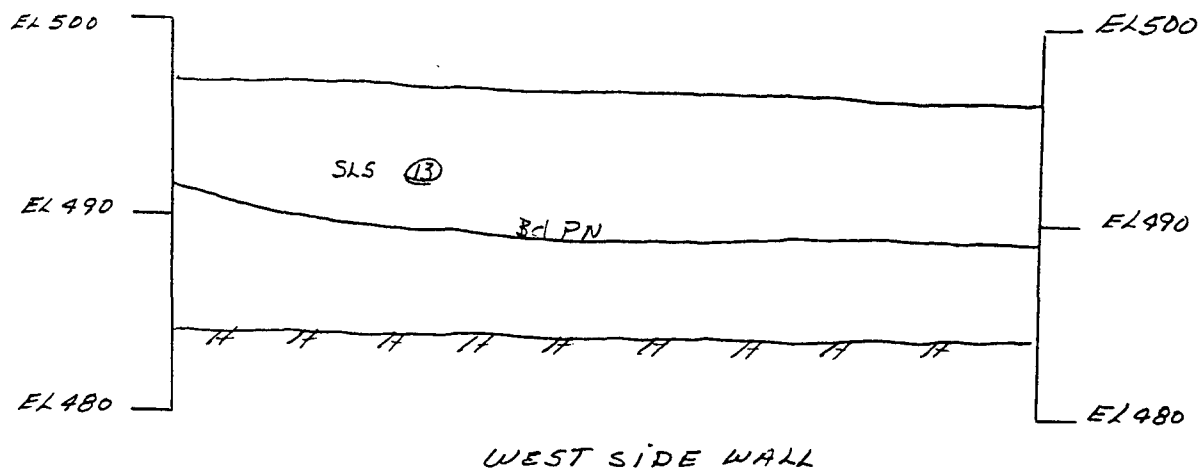
STA 8+42

STA 8+88A

R-77

R-79



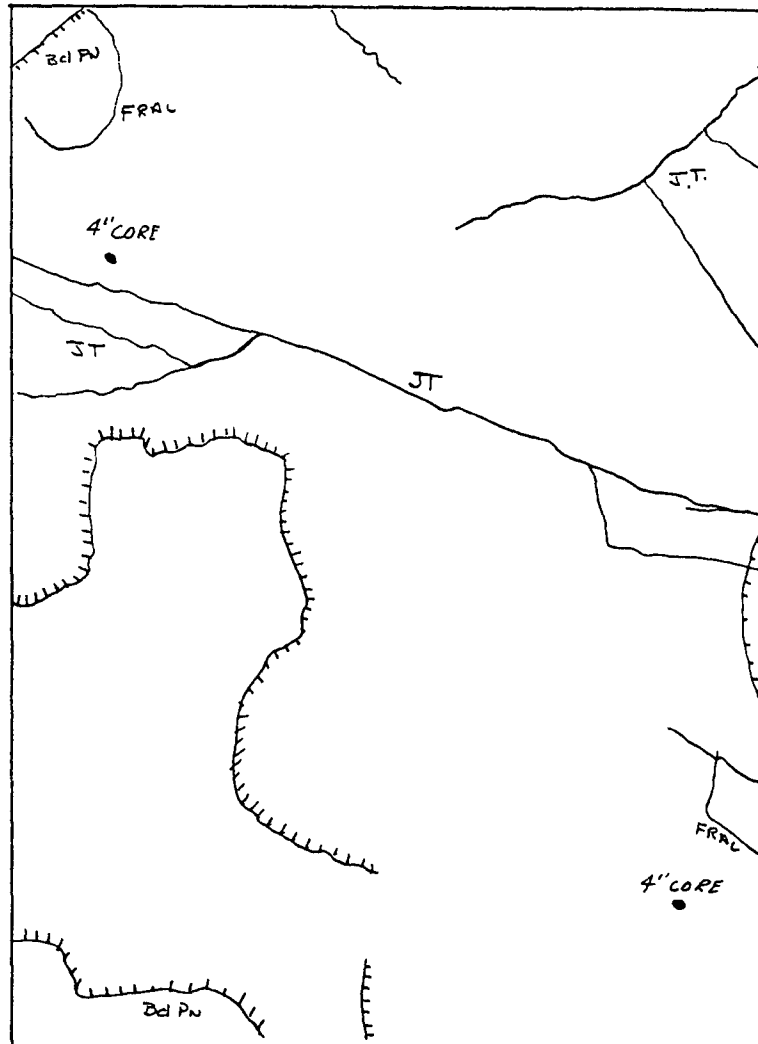


STA 8+42.2 A

STA 9+28.9

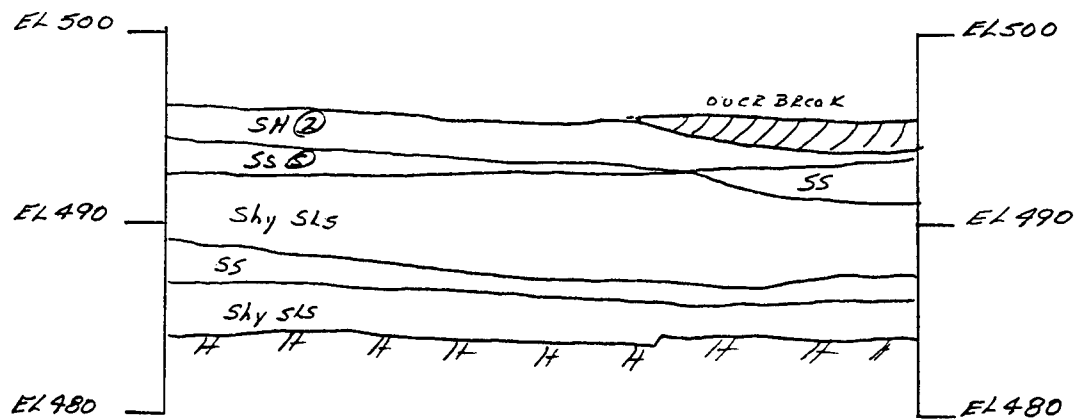
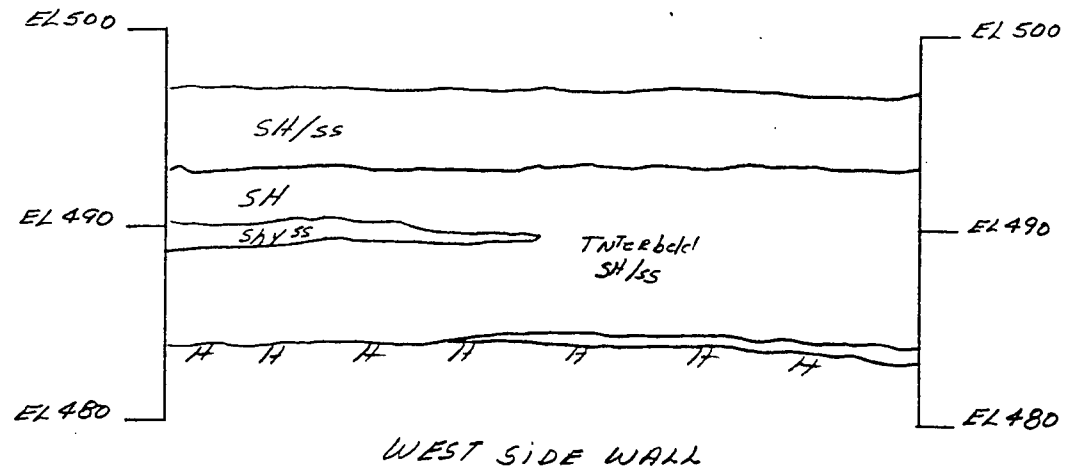
R-78

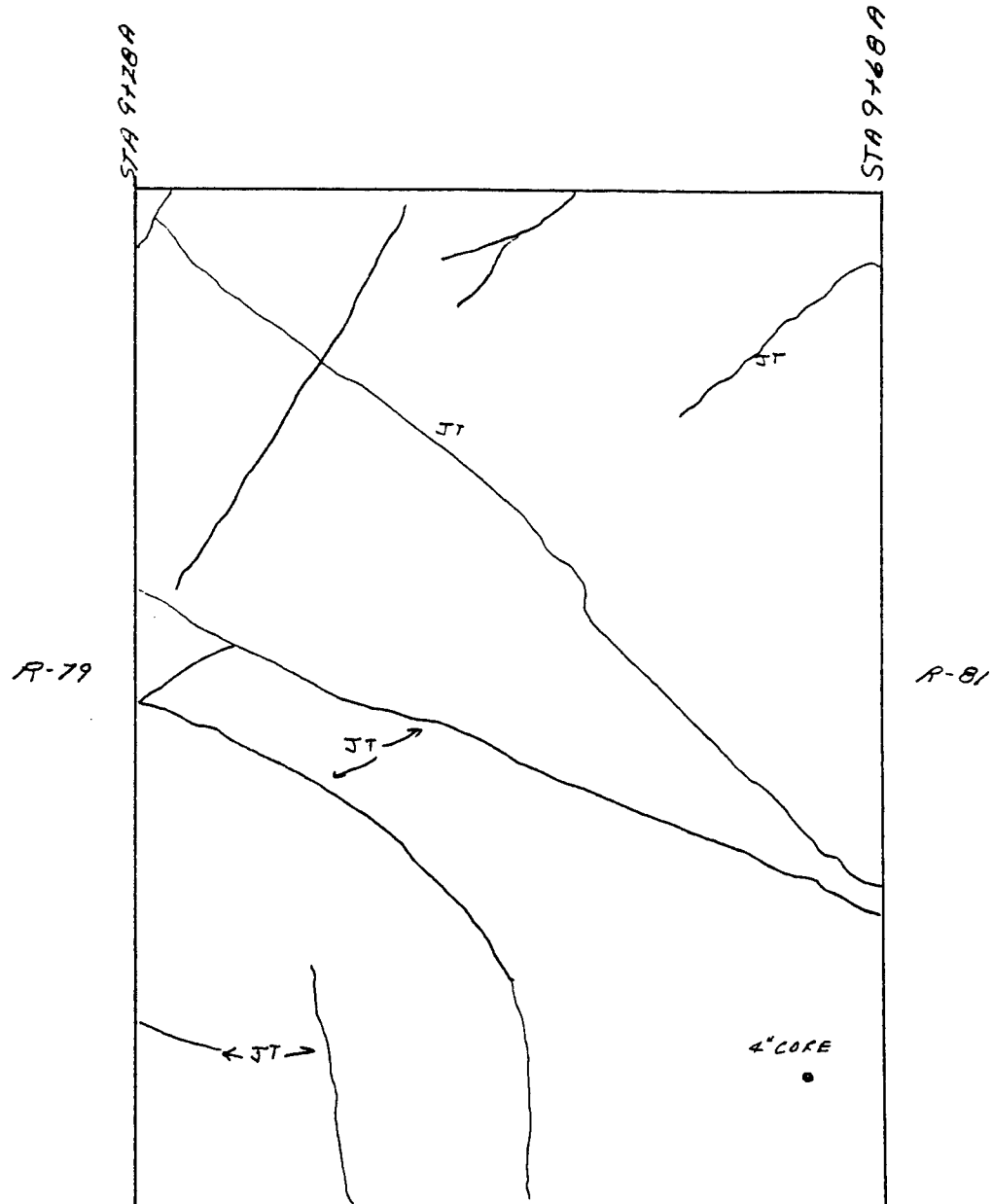
R-80

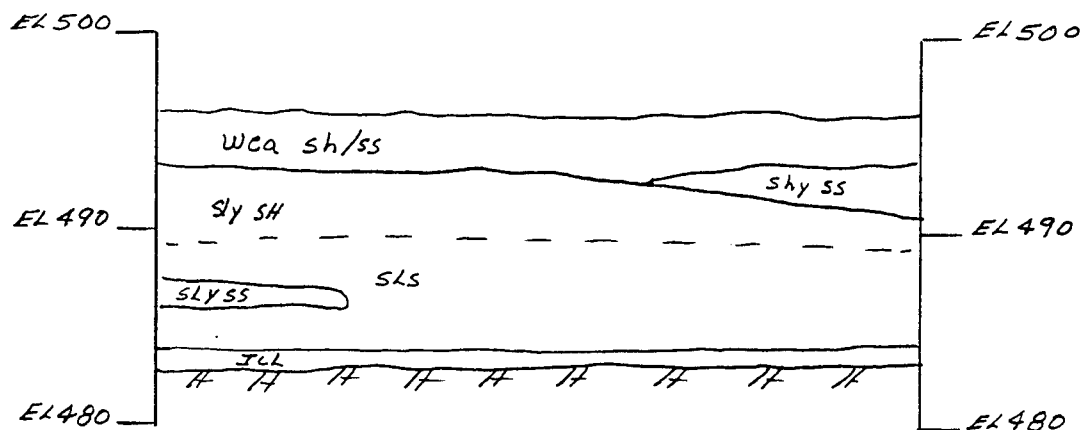


U.S. Army Corps of Engineers

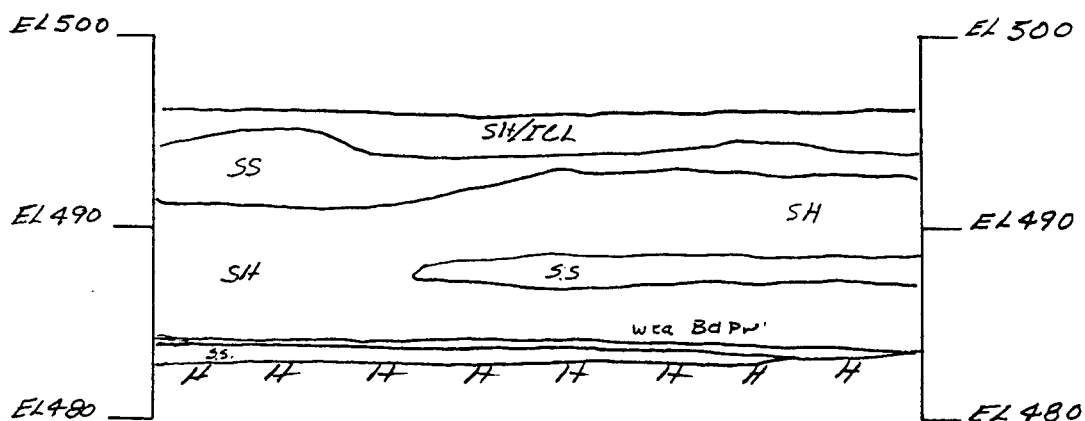
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 79



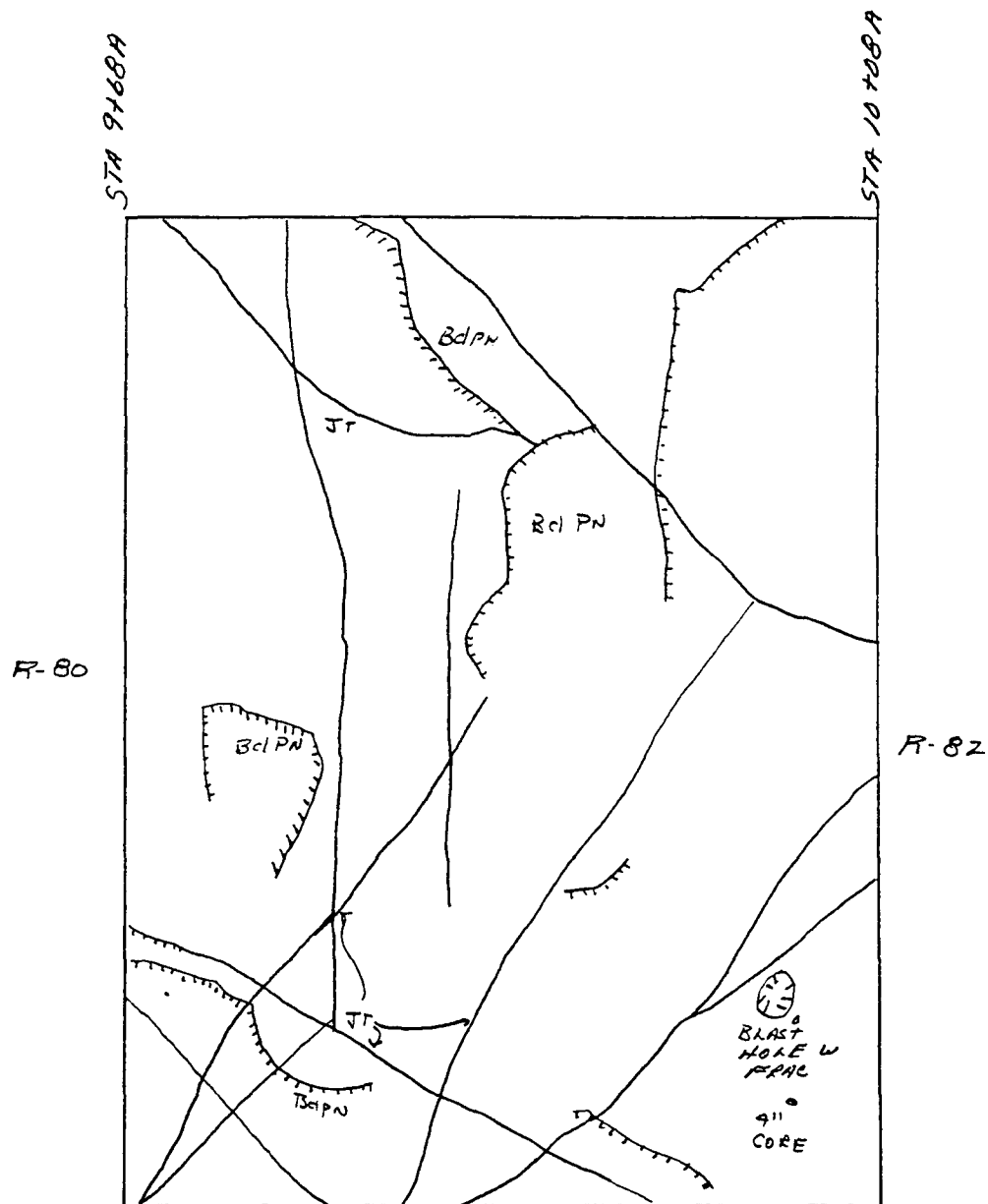


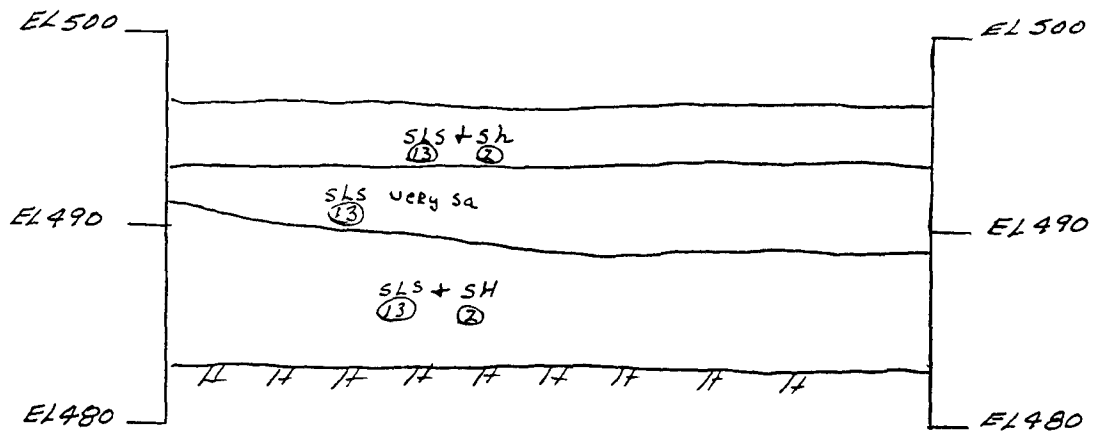


WEST SIDE WALL

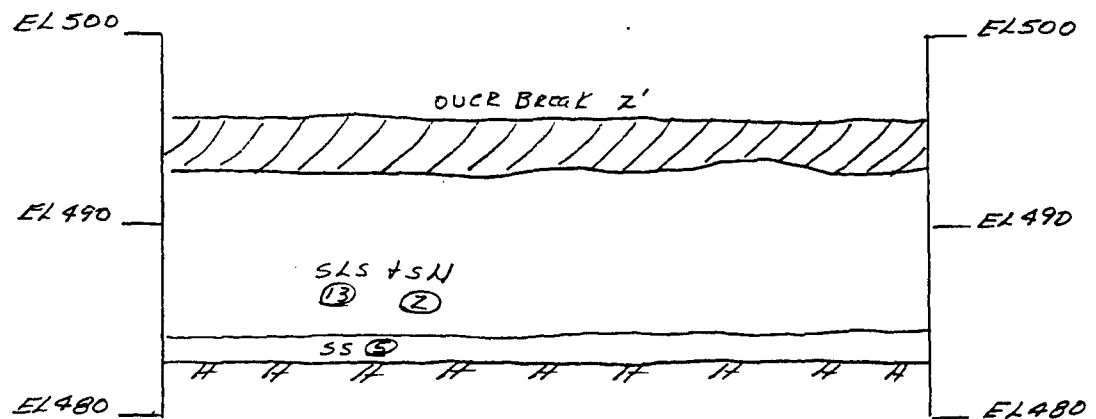


EAST SIDE WALL

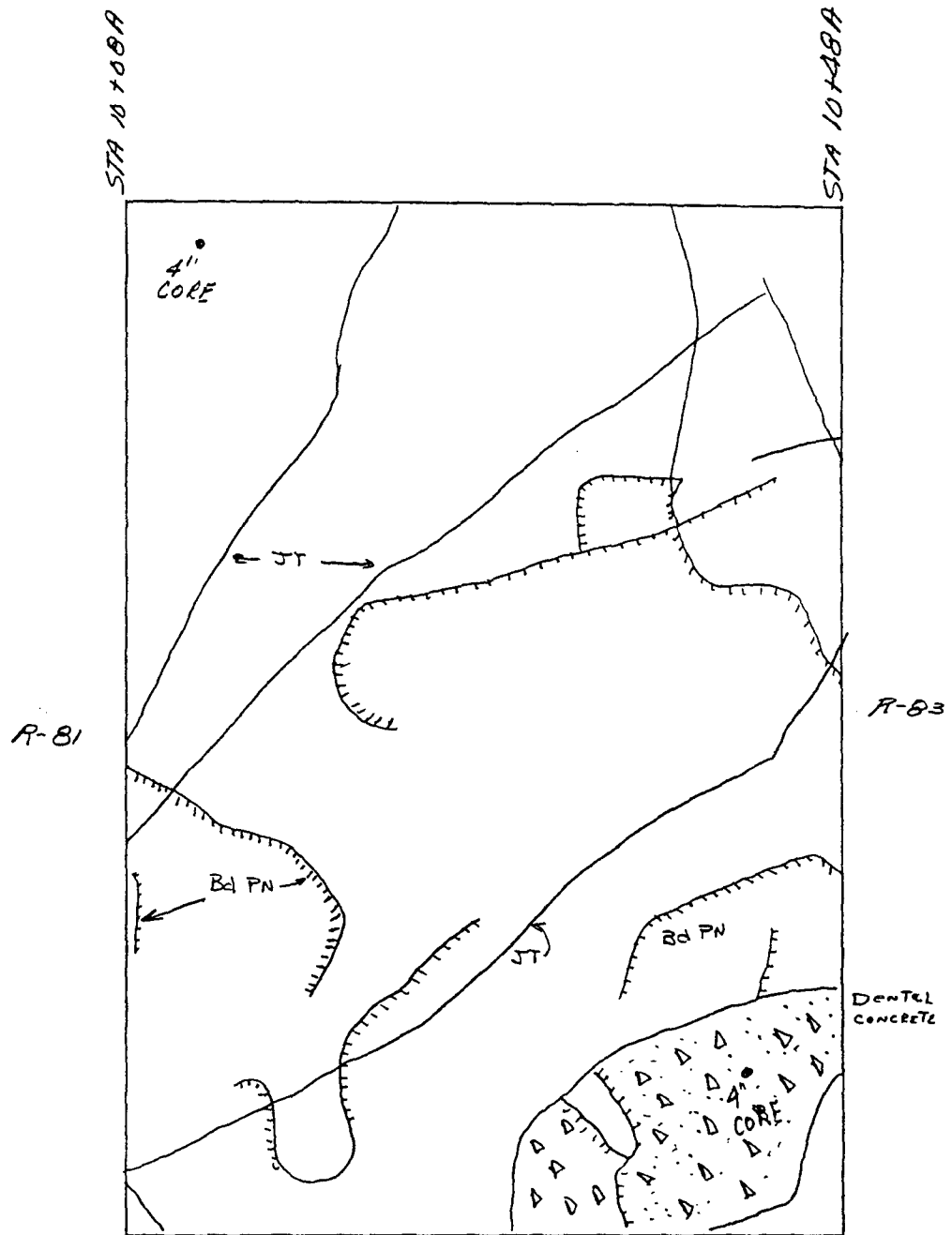


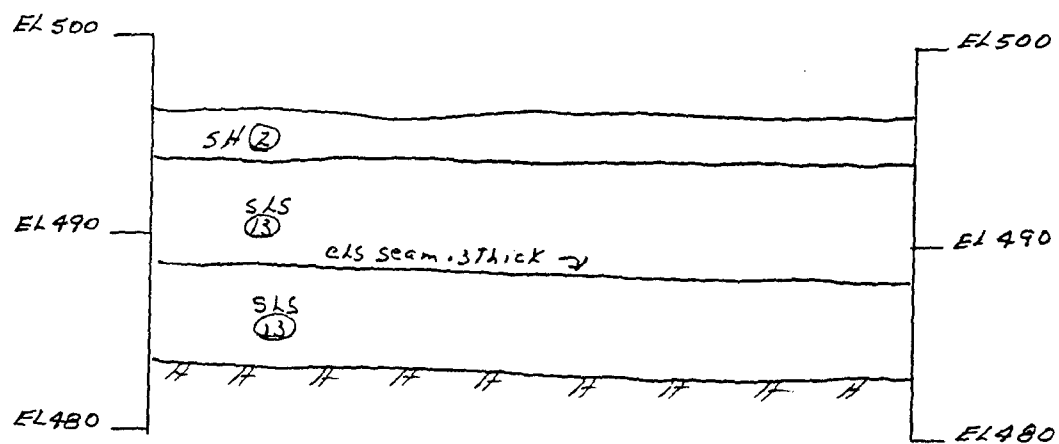


WEST SIDE WALL

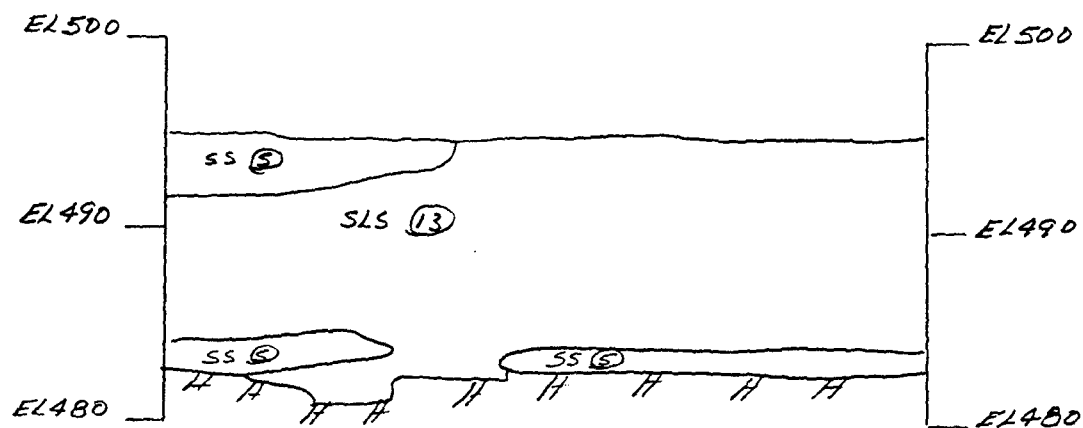


EAST SIDE WALL





WEST SIDE WALL



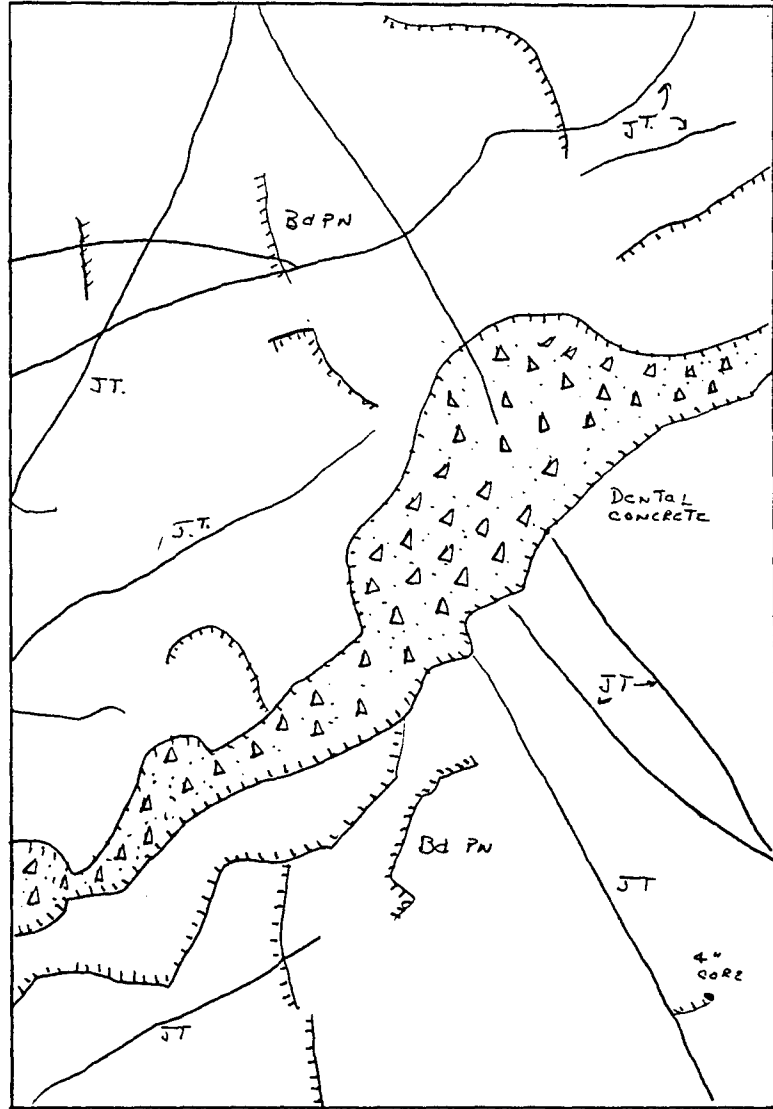
EAST SIDE WALL

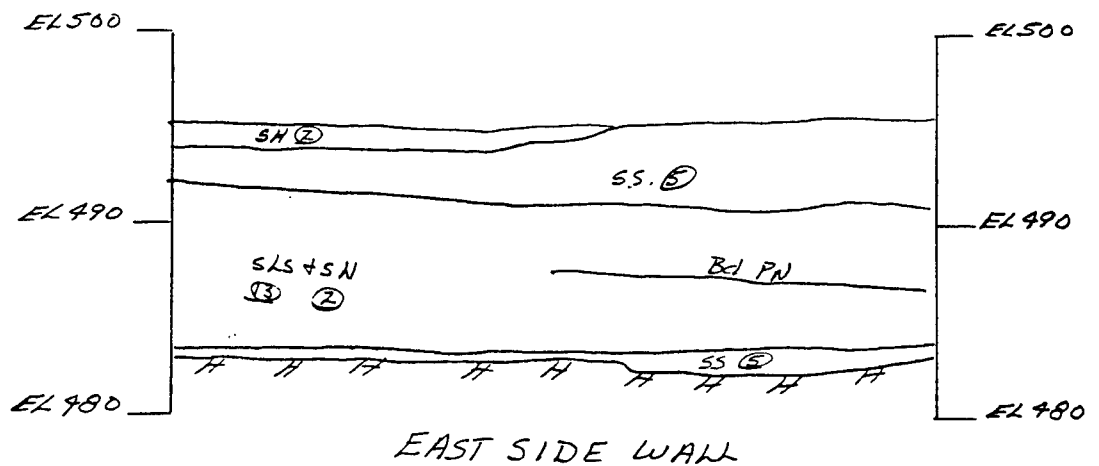
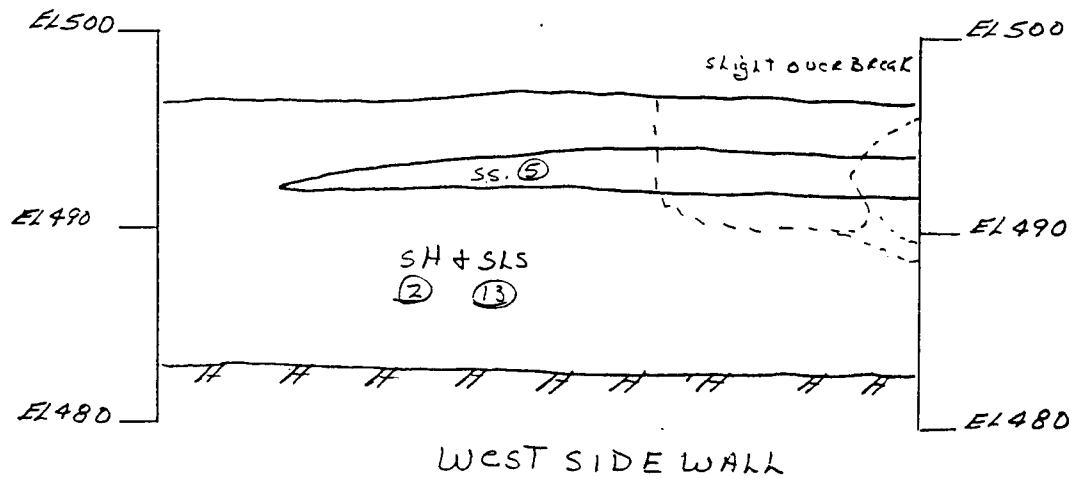
STA 10+48A

STA 10+88A

R-82

R-84



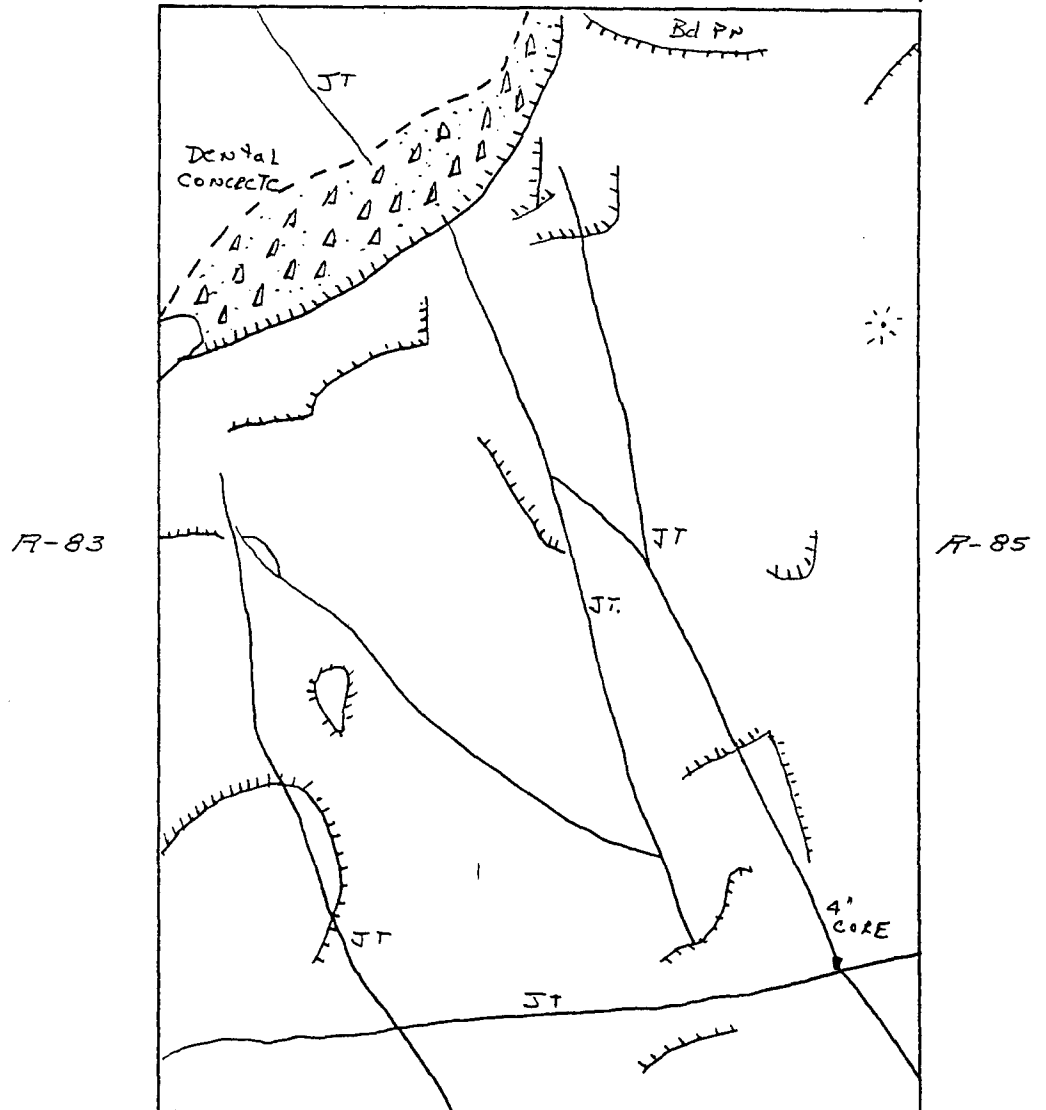


U.S. Army Corps of Engineers

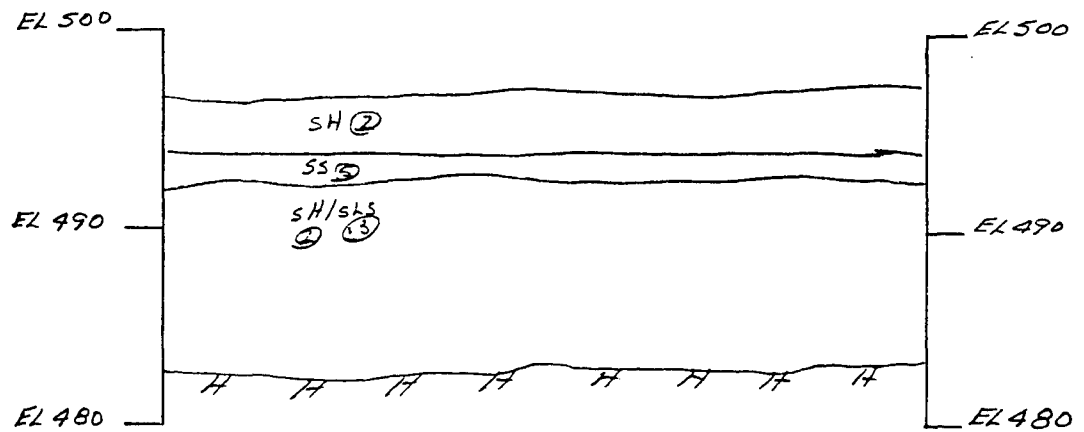
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 83

STA 10+86

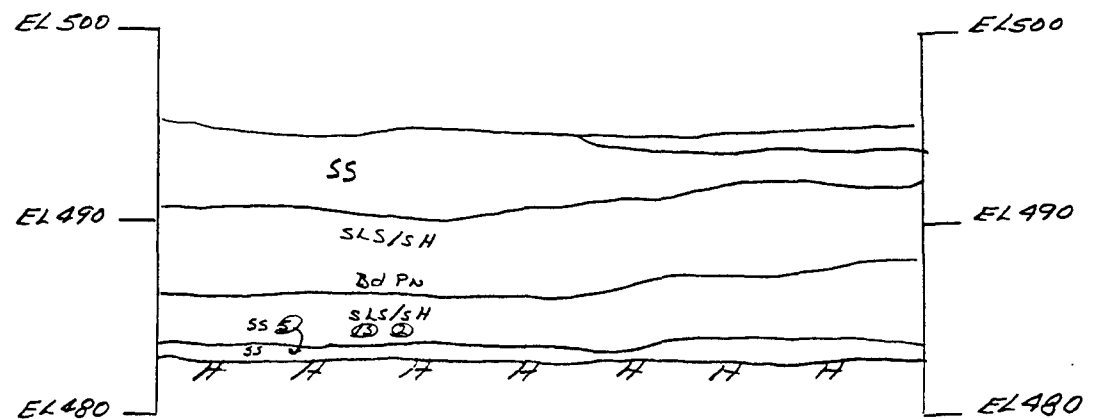
STA 11+204



U.S. Army Corps of Engineers
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 84



WEST SIDE WALL



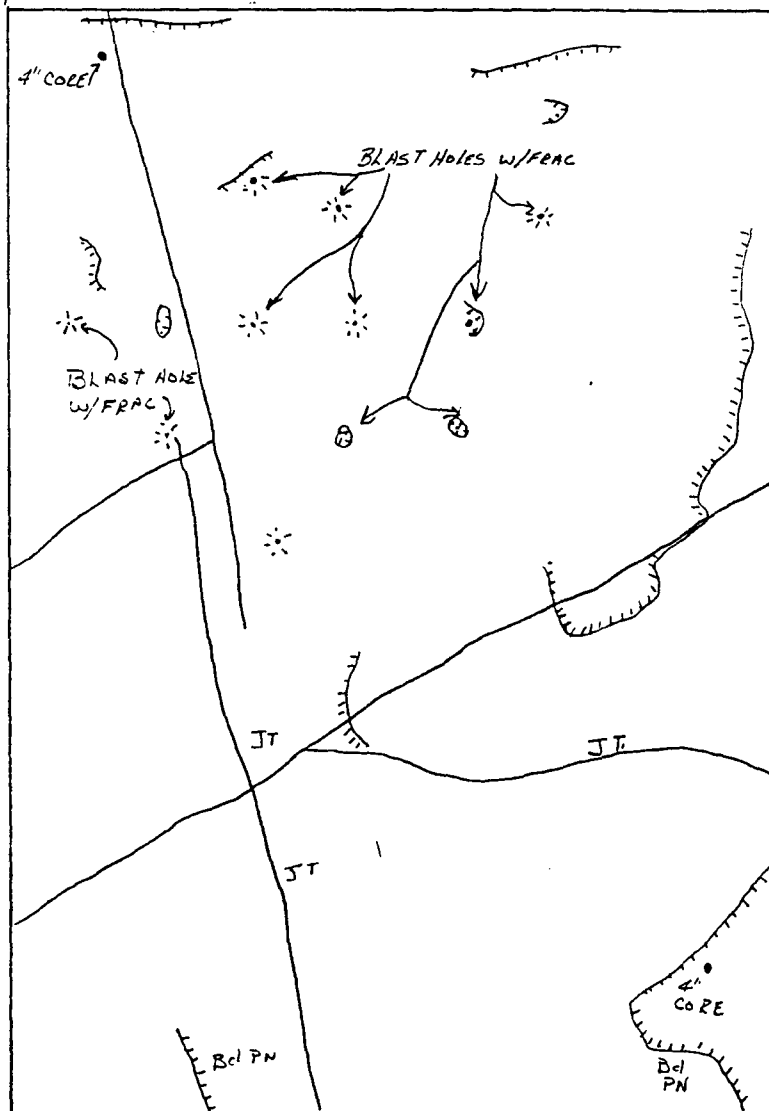
EAST SIDE WALL

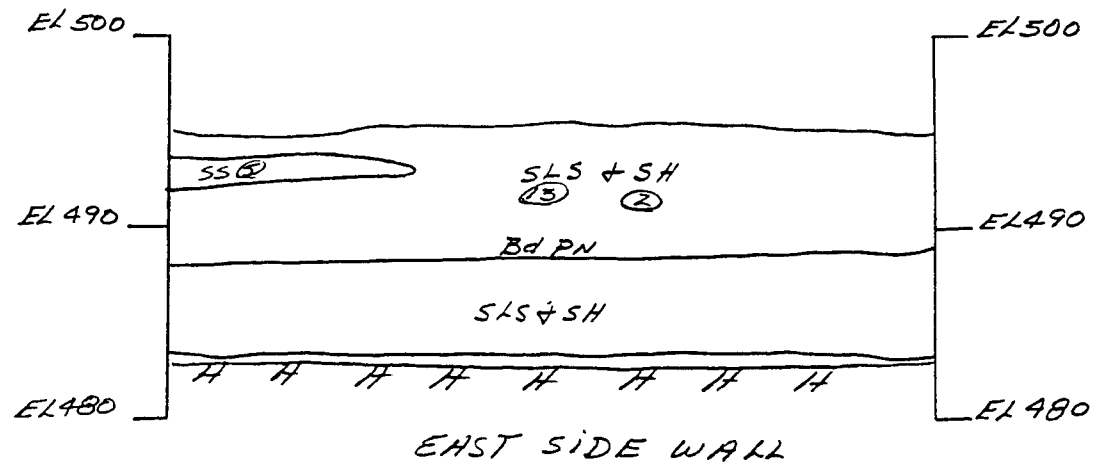
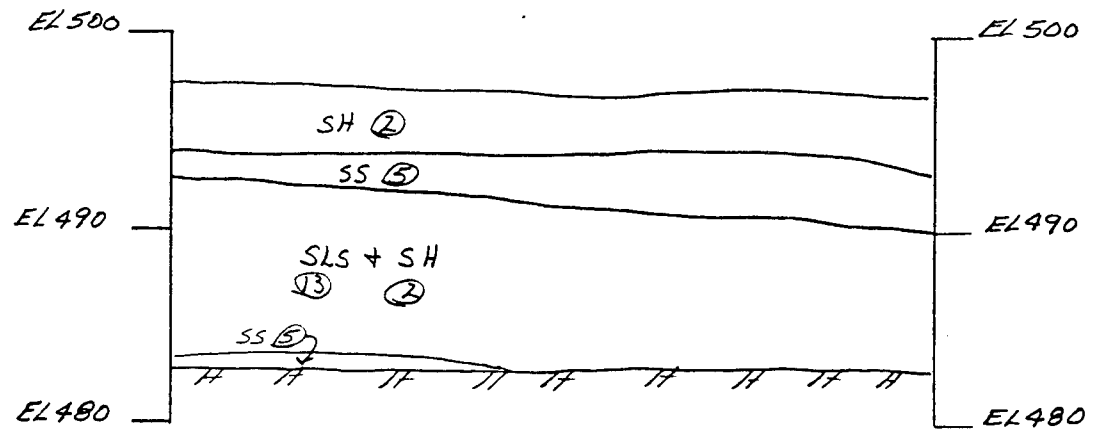
STA 11128A

STA 11168A

R-84

R-86





U.S. Army Corps of Engineers

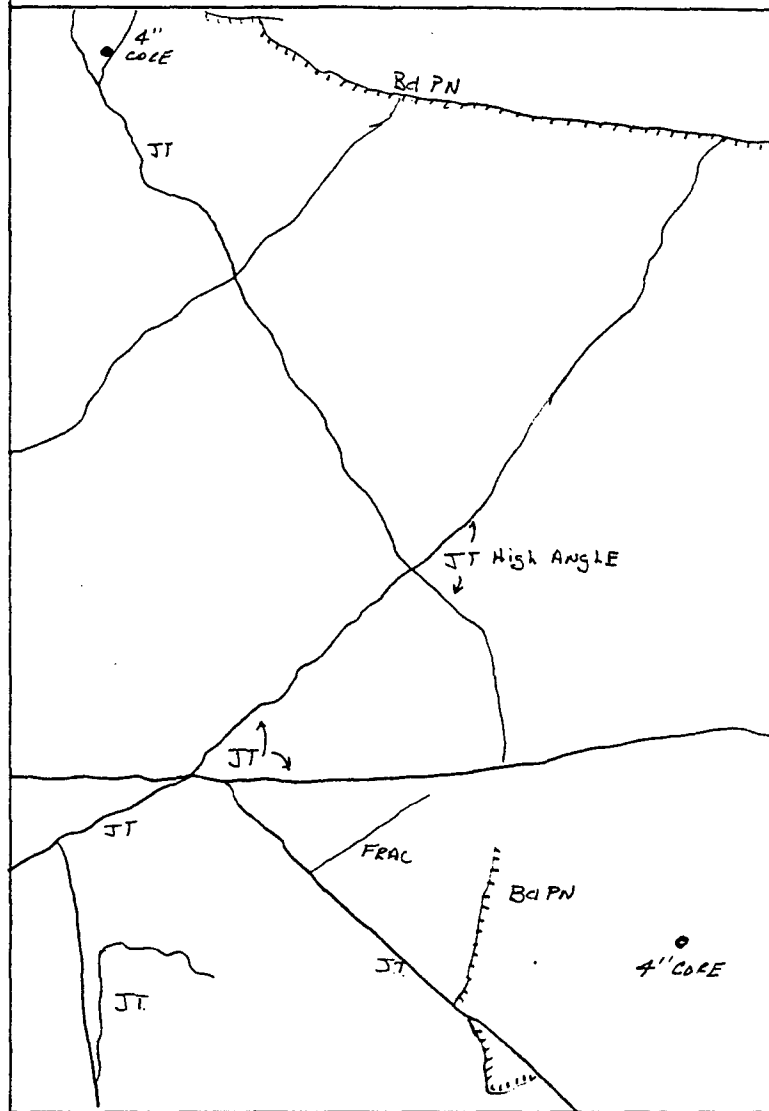
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 85

STA 11+68.9

STA 12+08.9

R-85

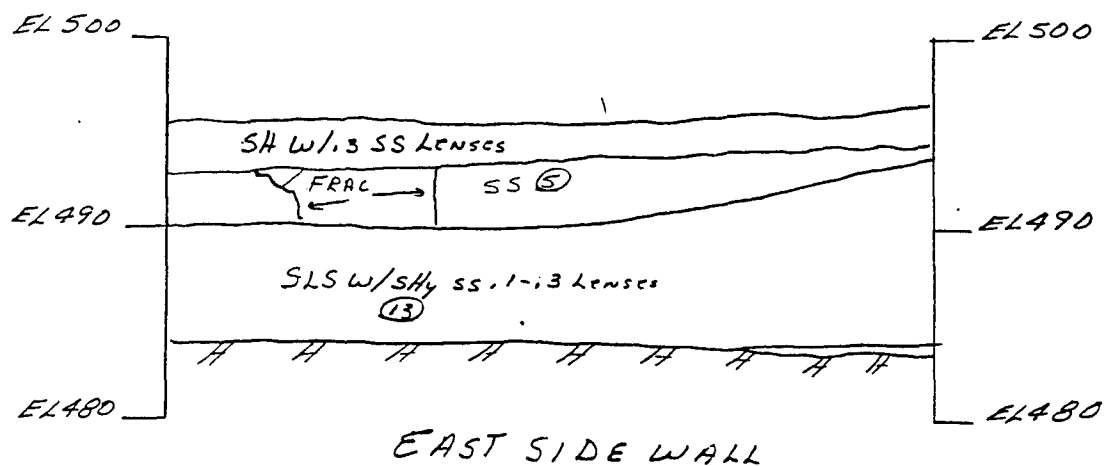
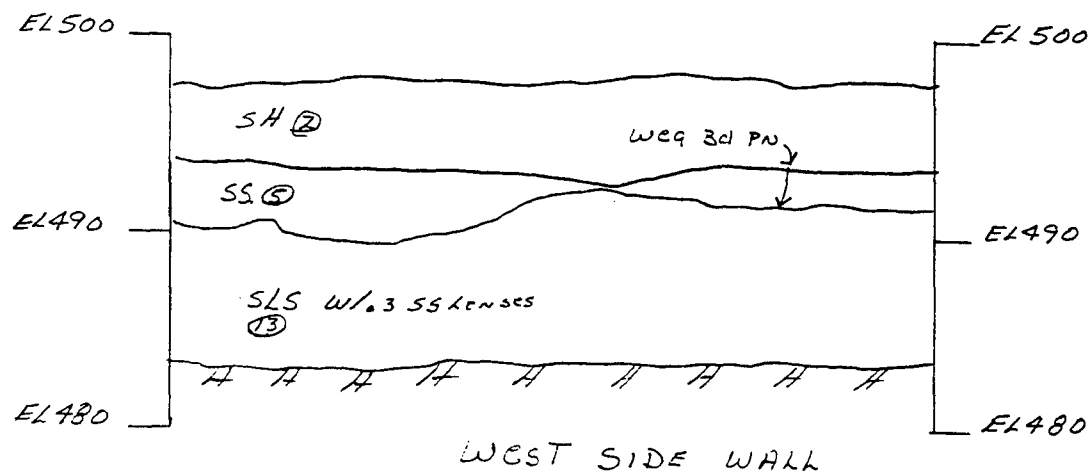
R-87

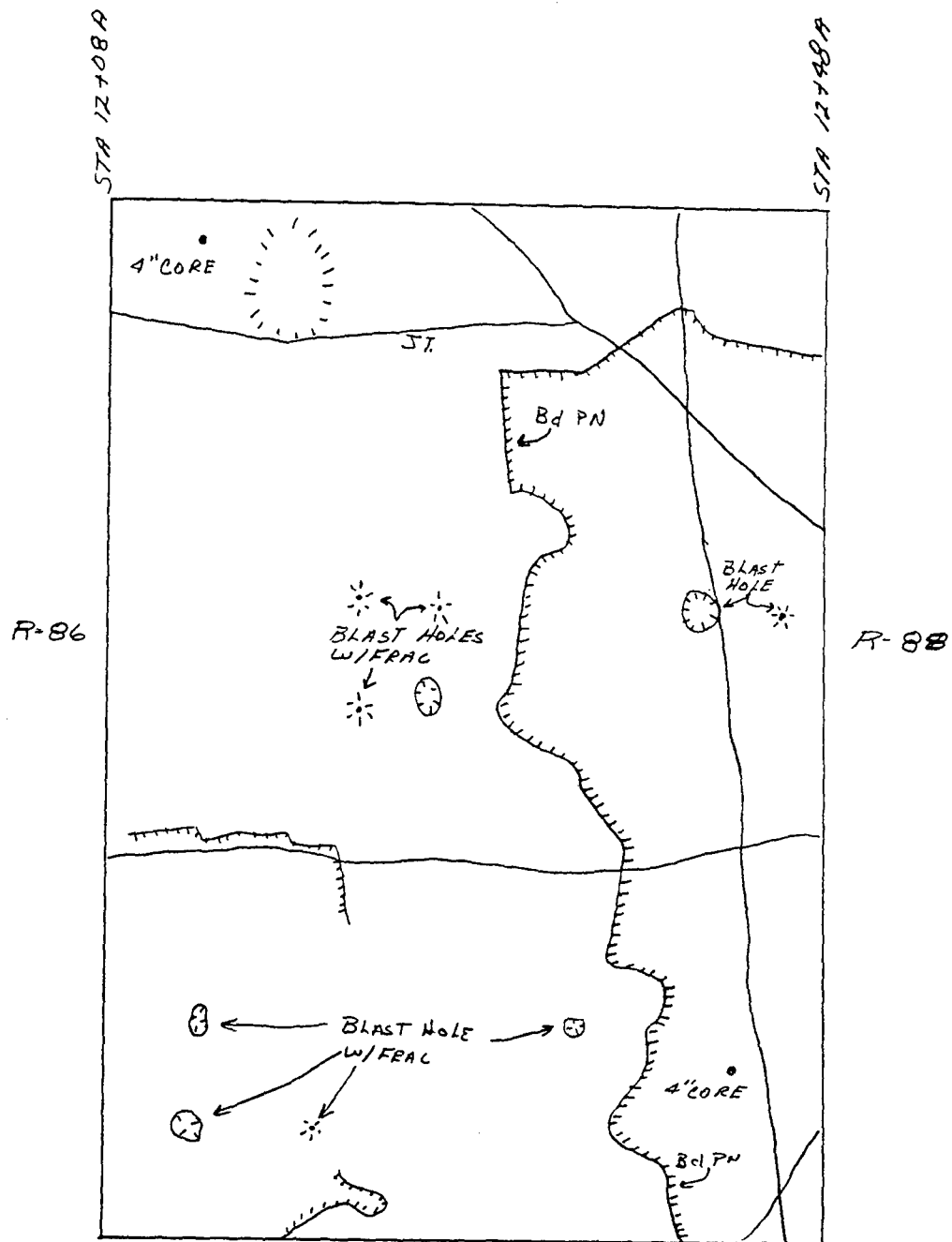


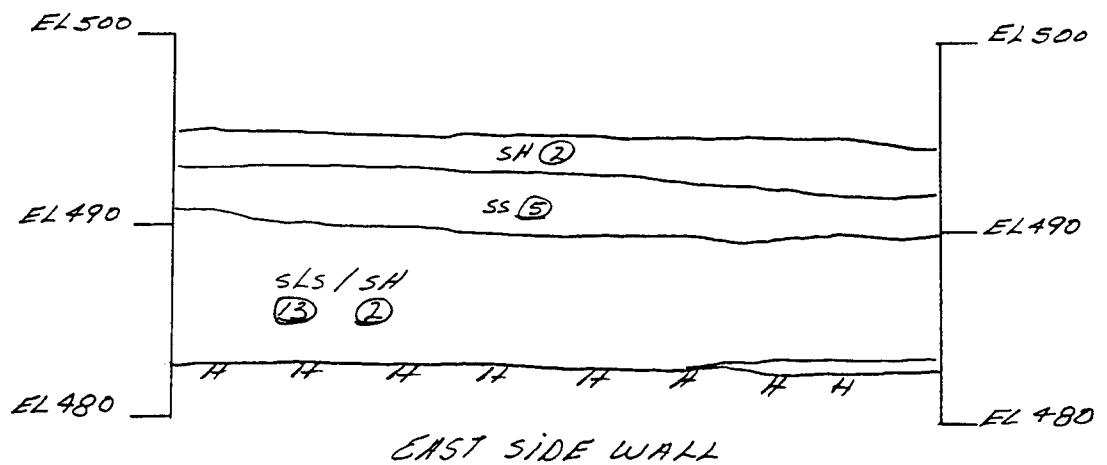
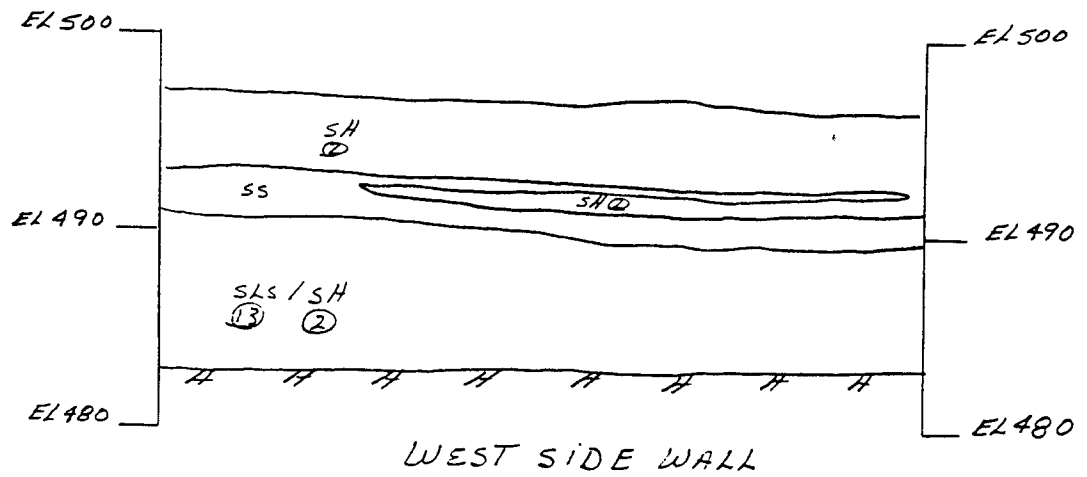
116

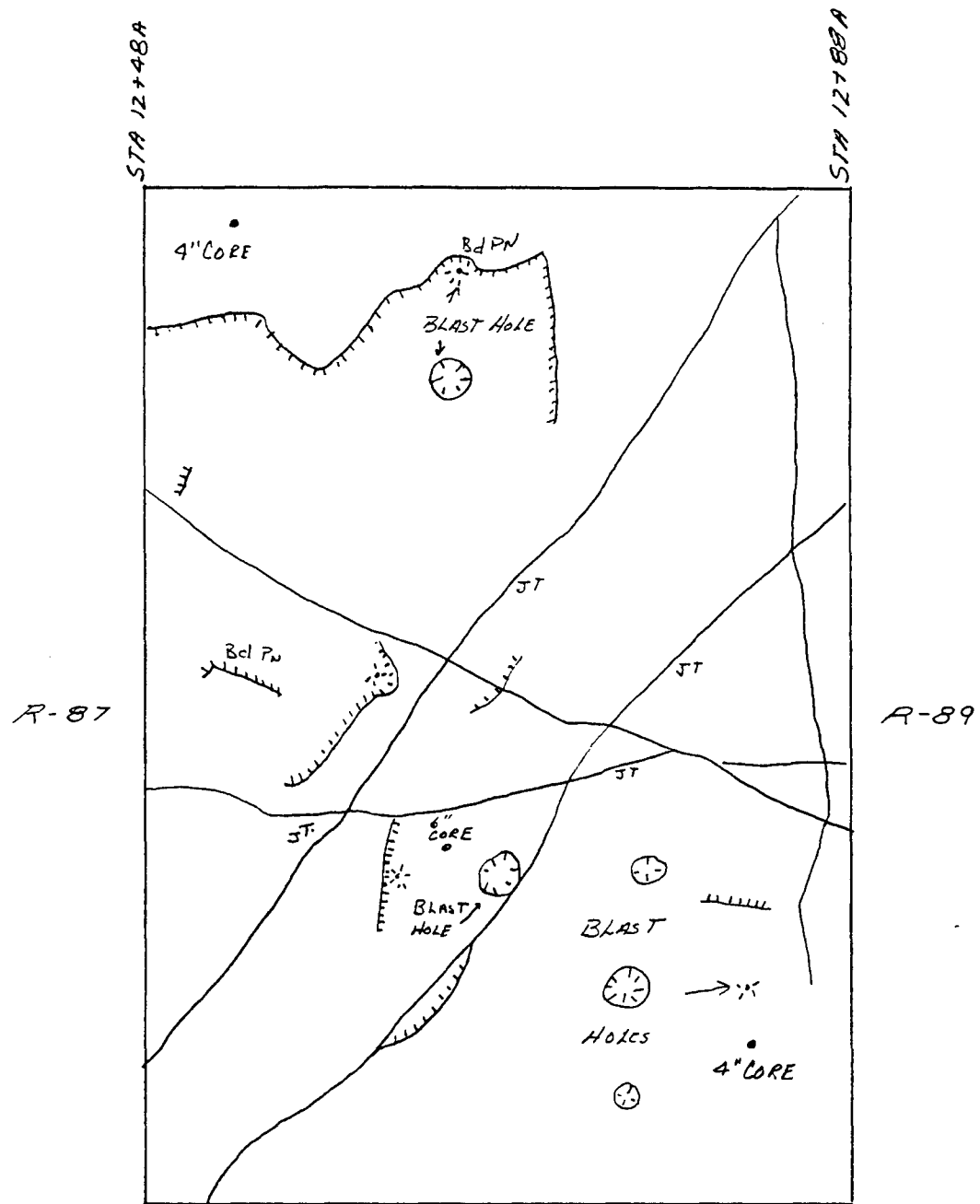
U.S. Army Corps of Engineers

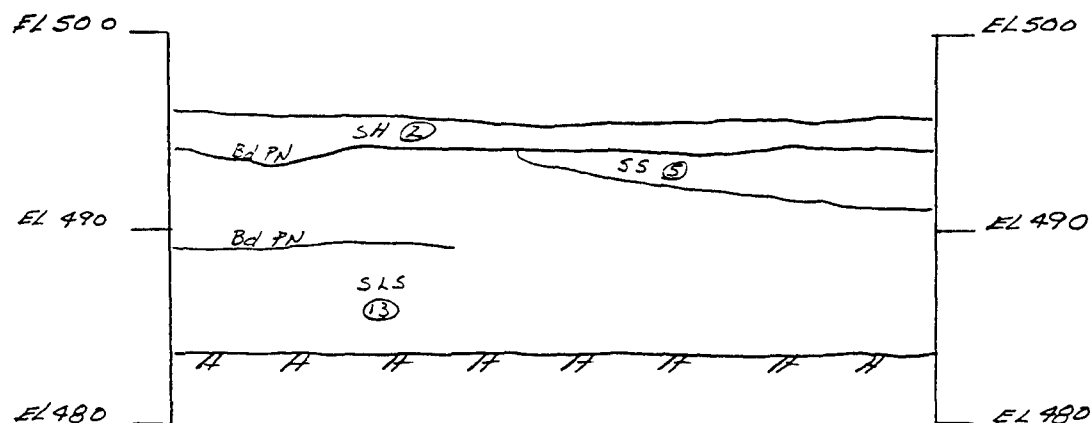
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 86



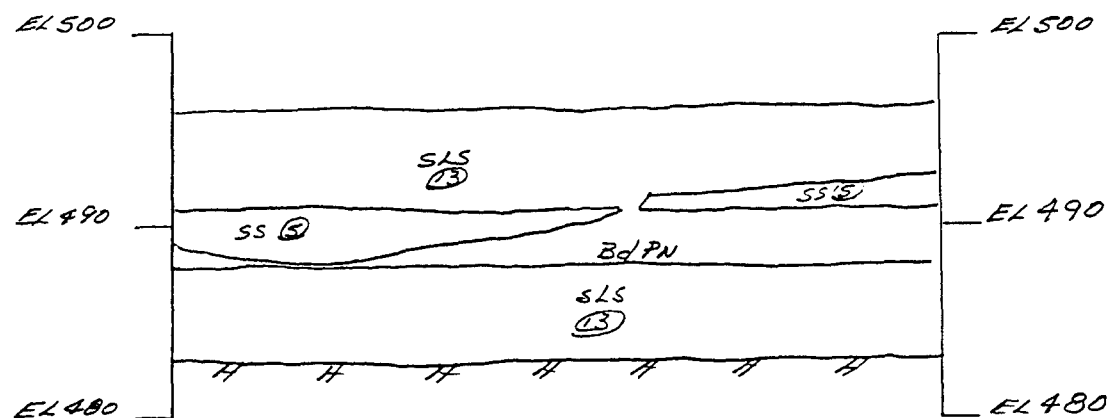




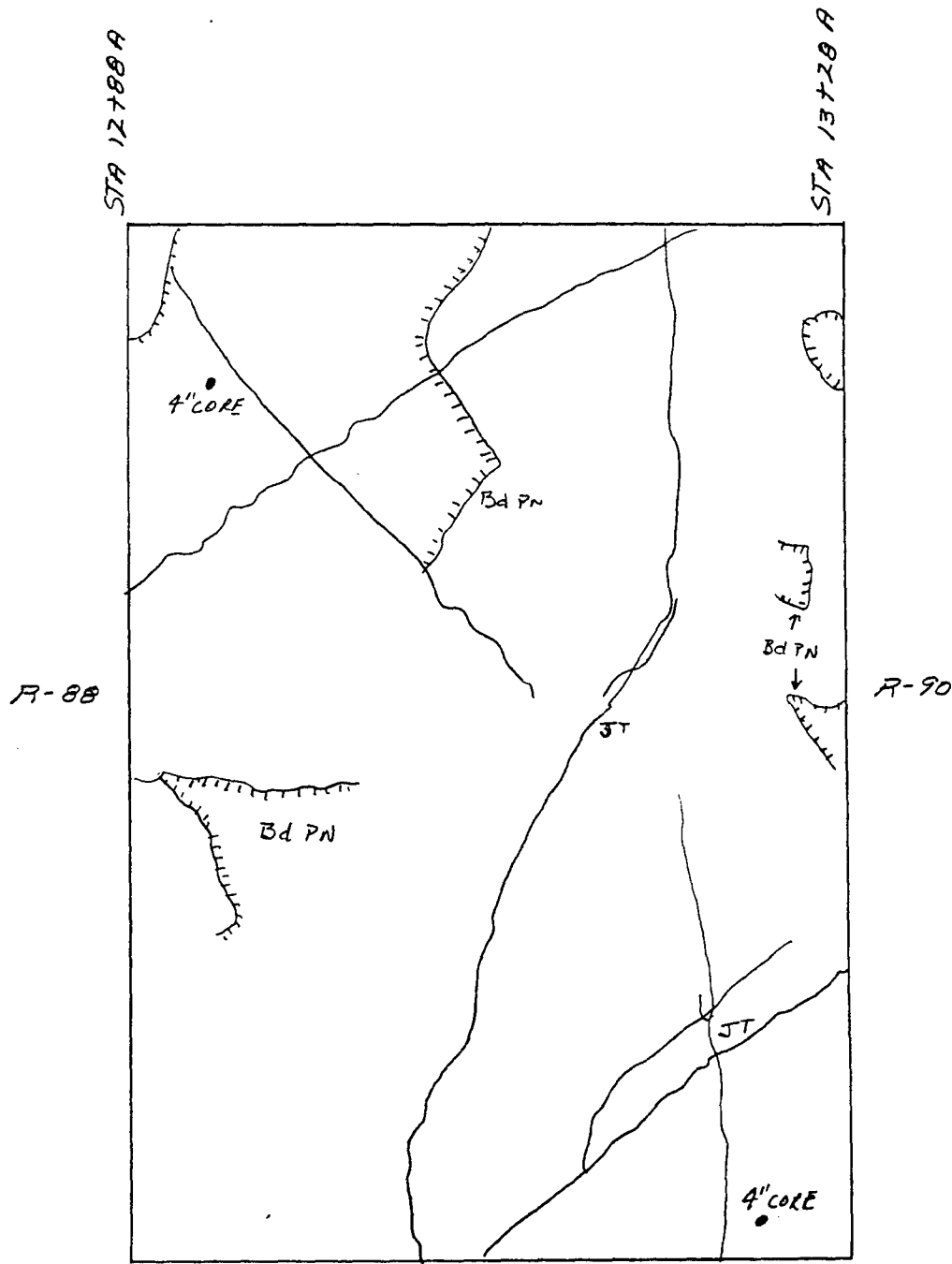


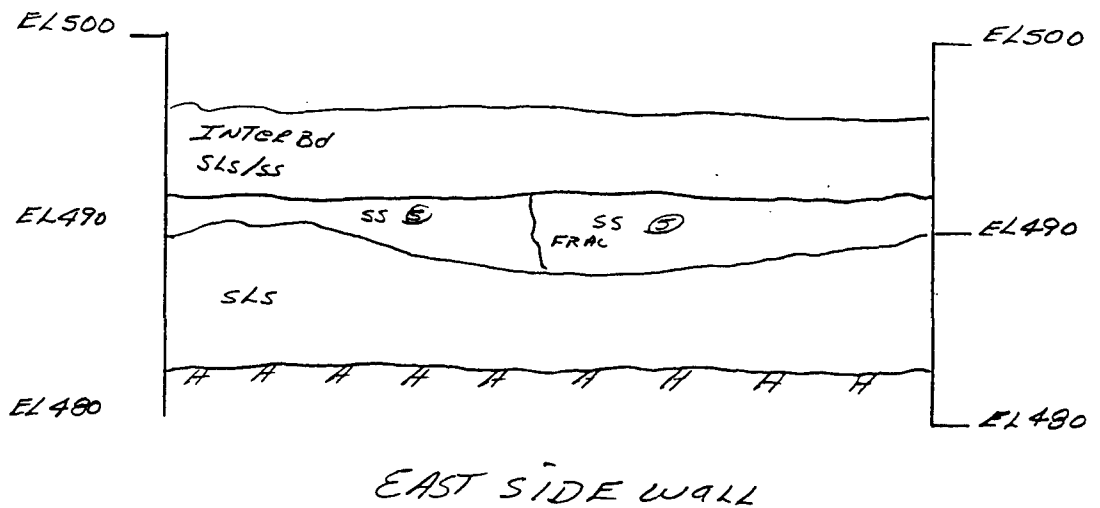
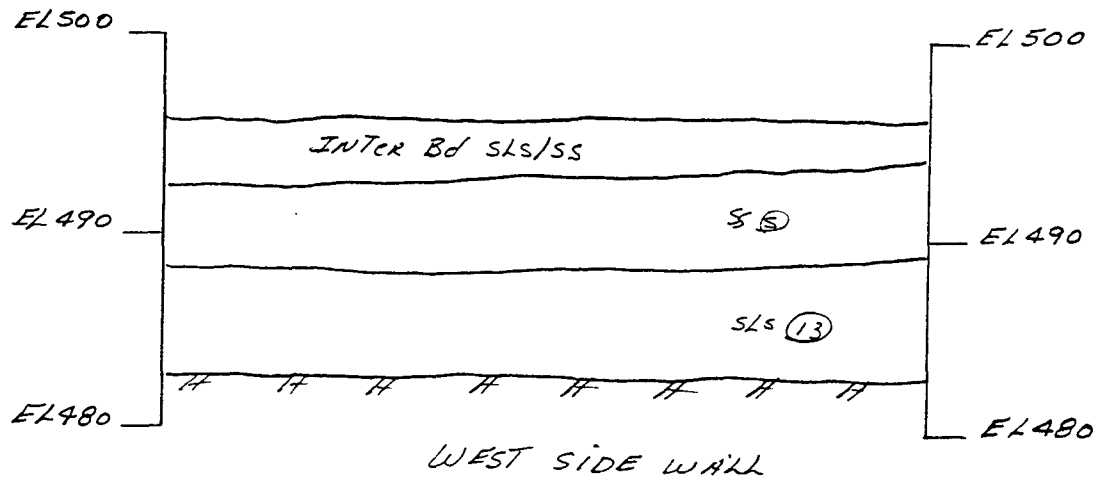


WEST SIDE WALL



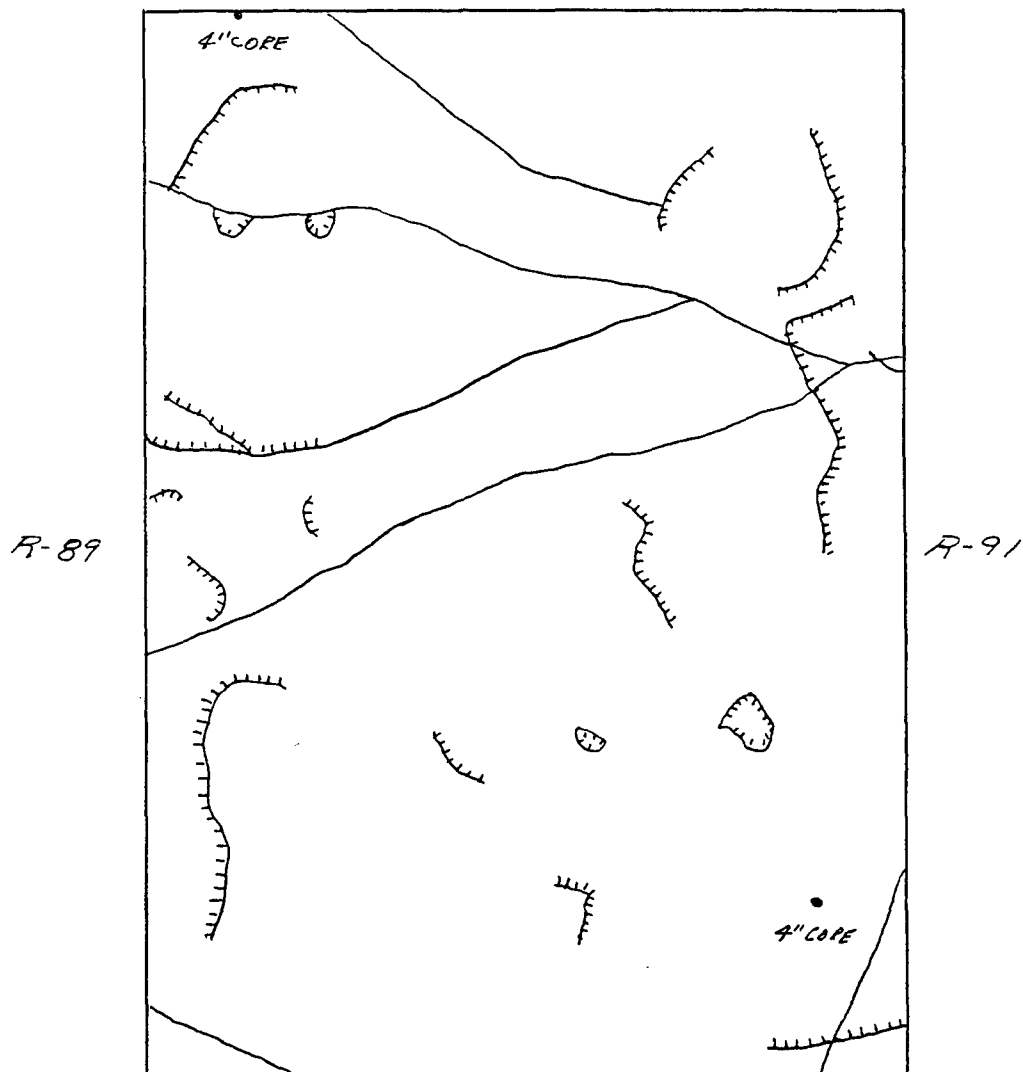
EAST SIDE WALL





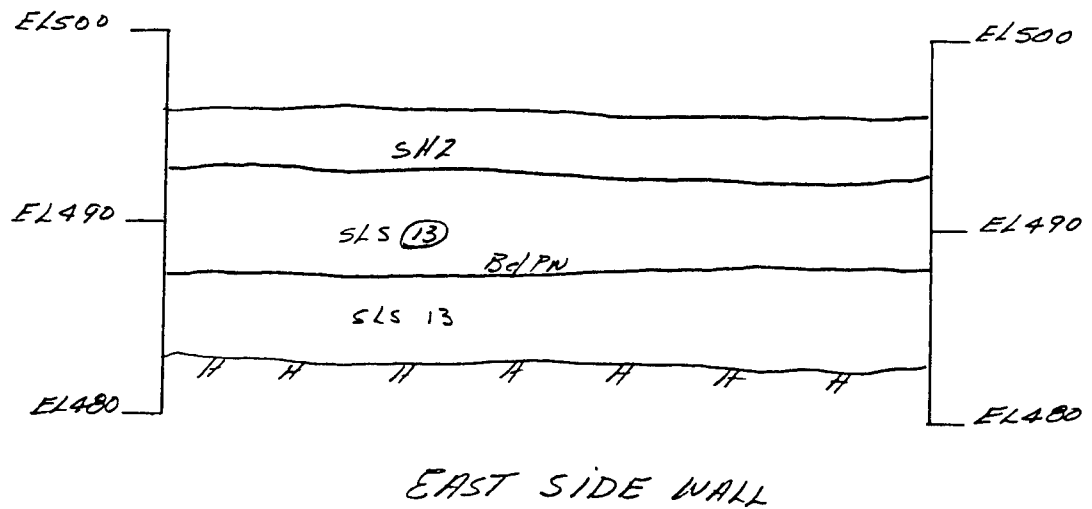
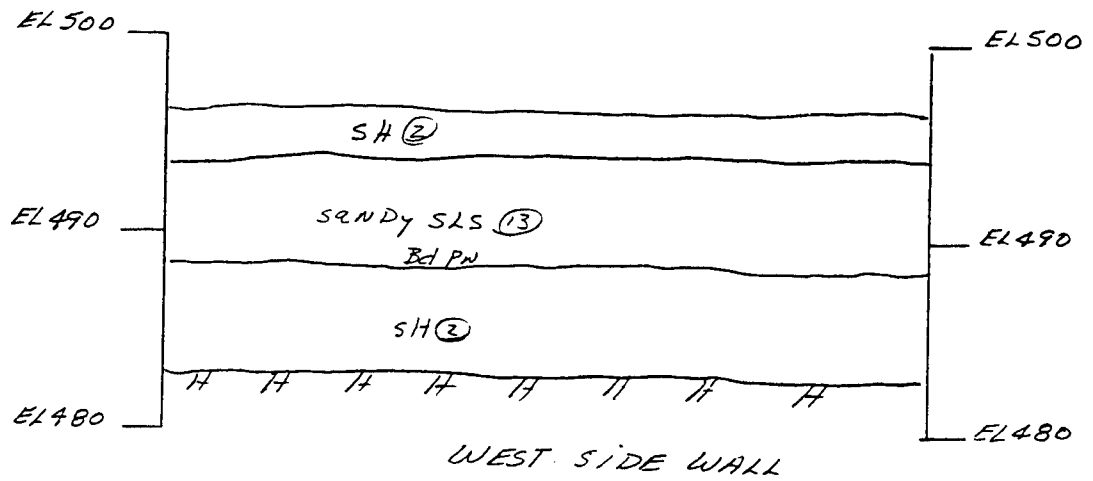
STA 13+88.1

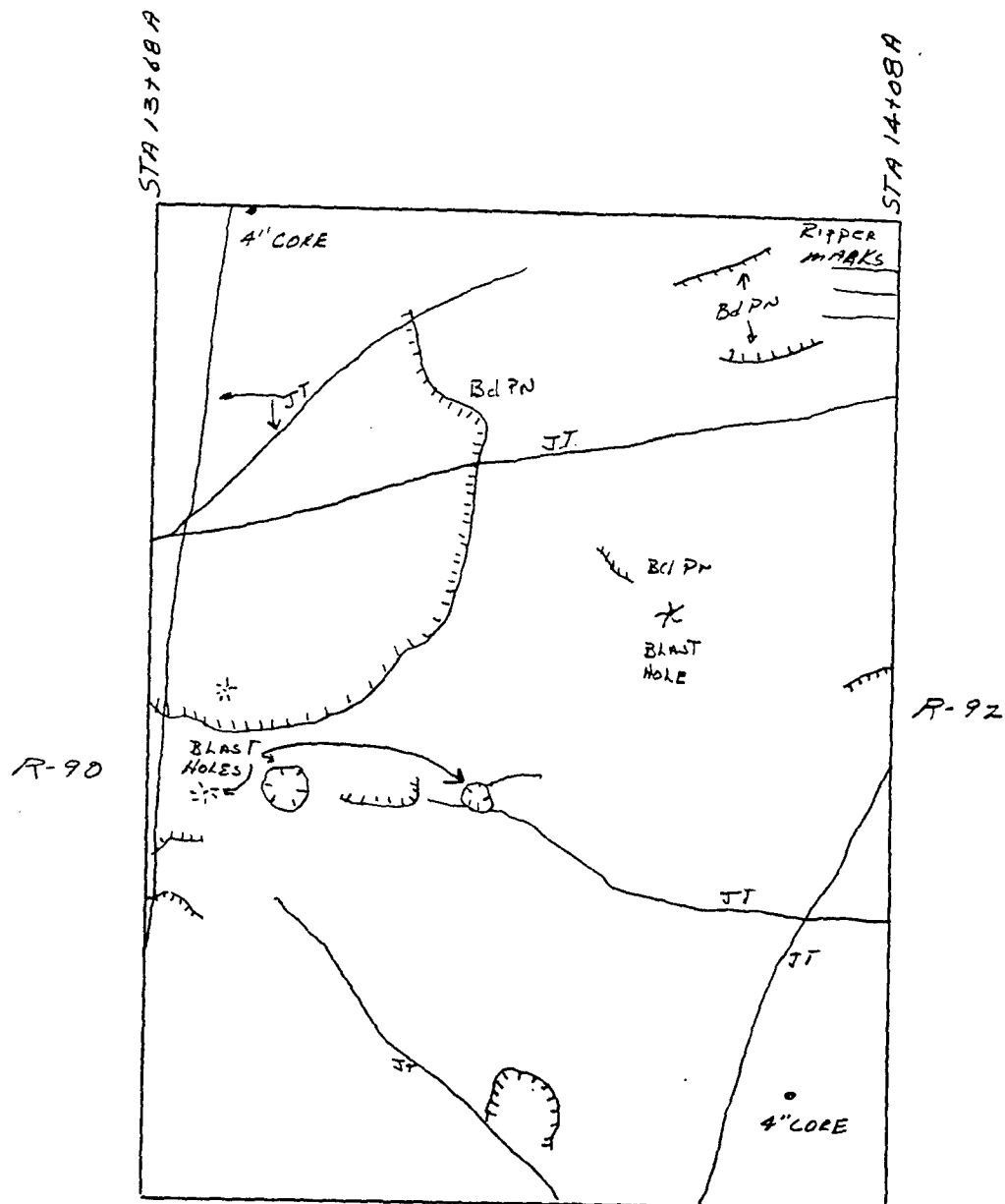
STA 13+88.1

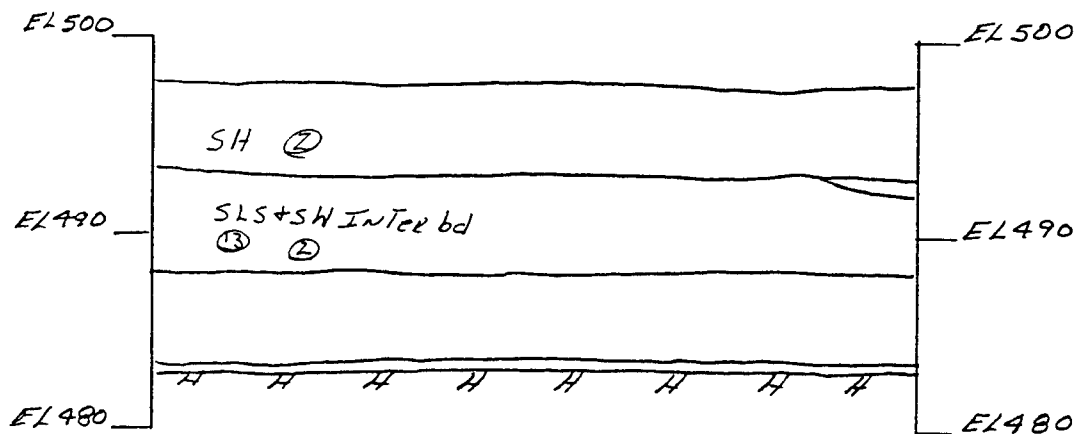


U.S. Army Corps of Engineers

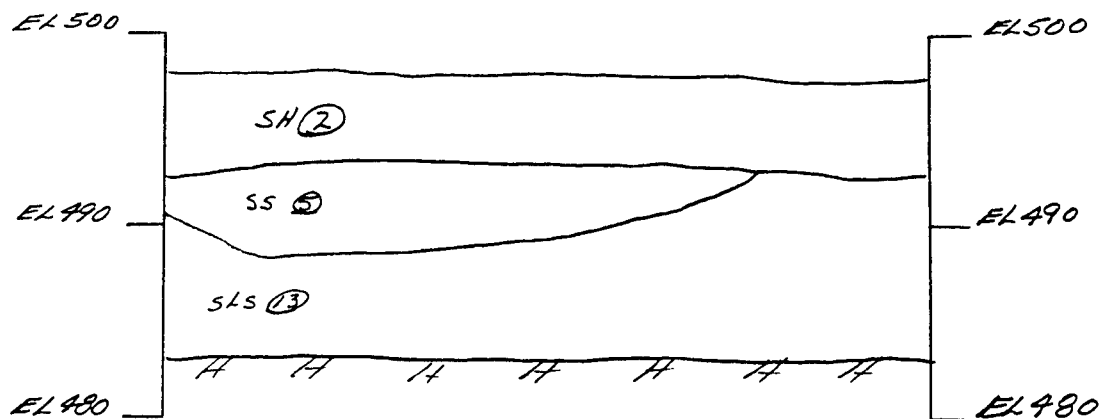
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 90



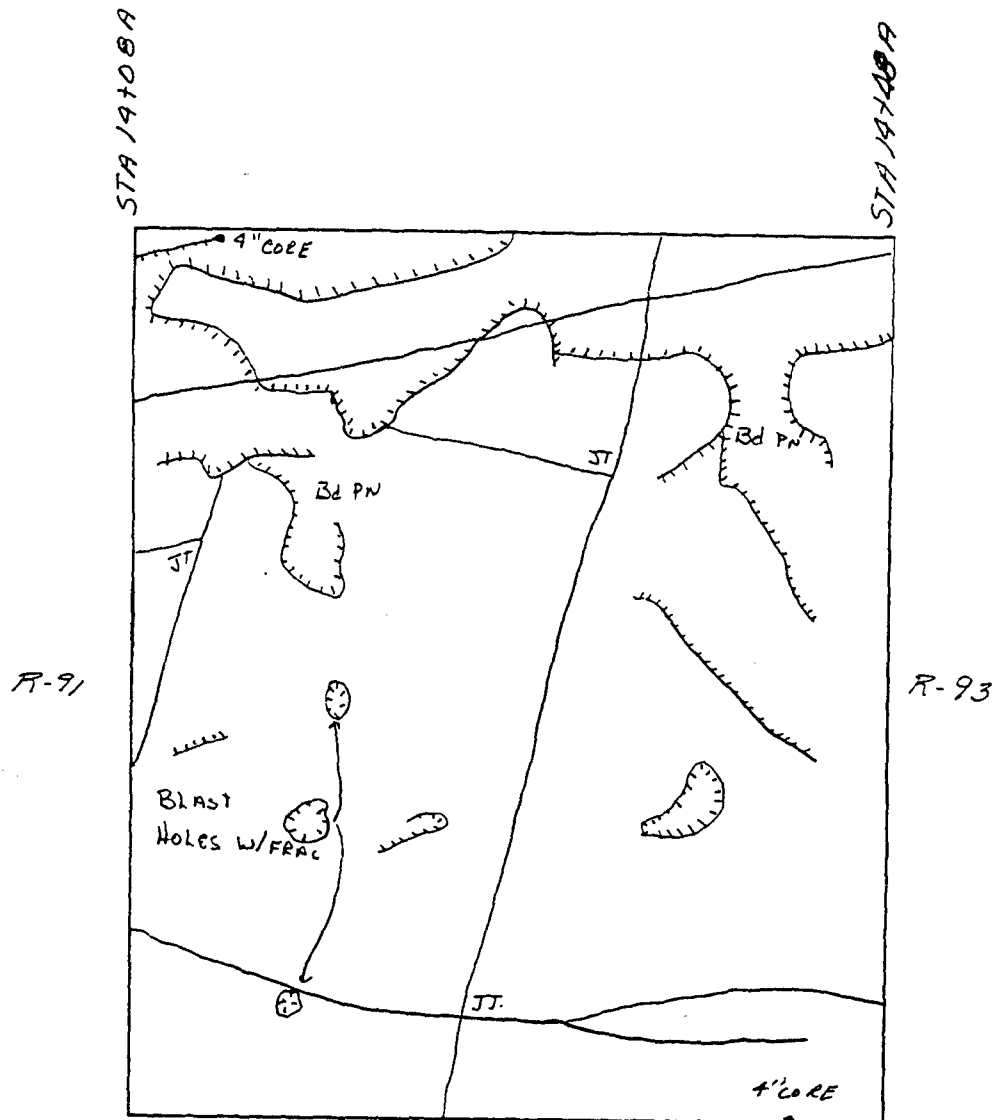


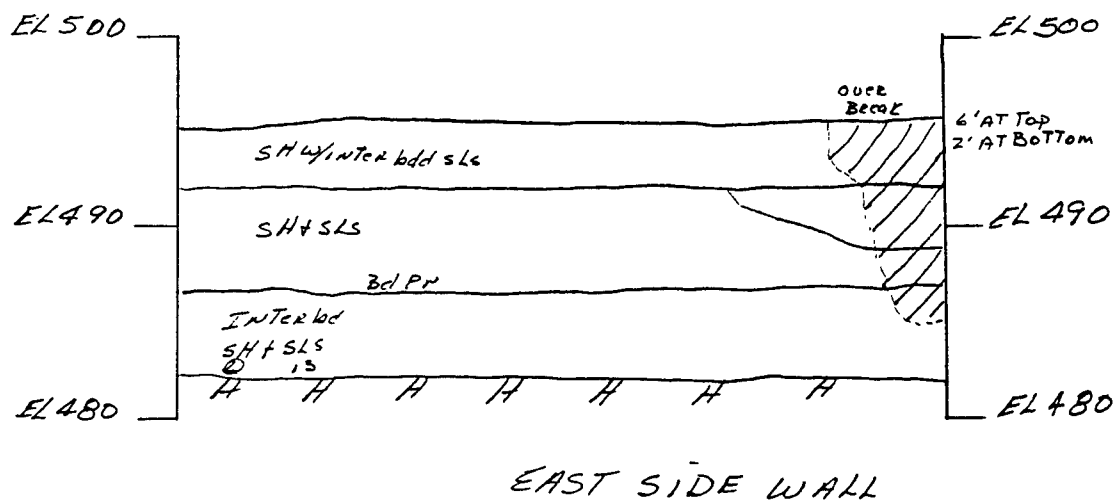
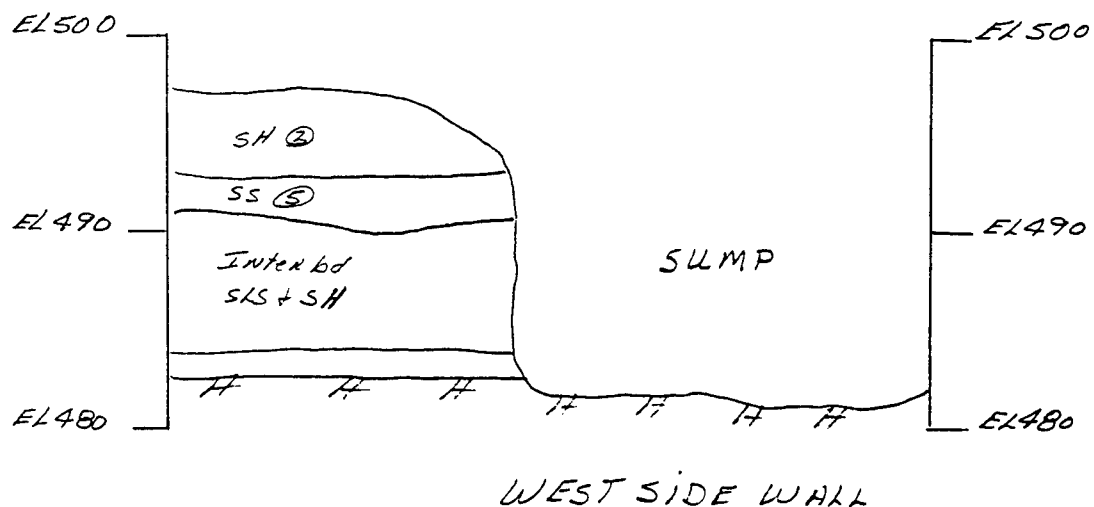


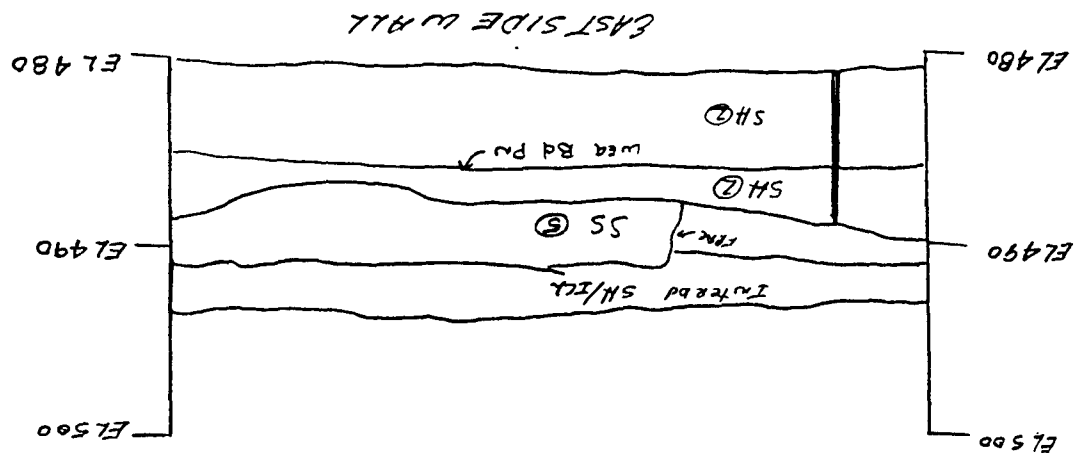
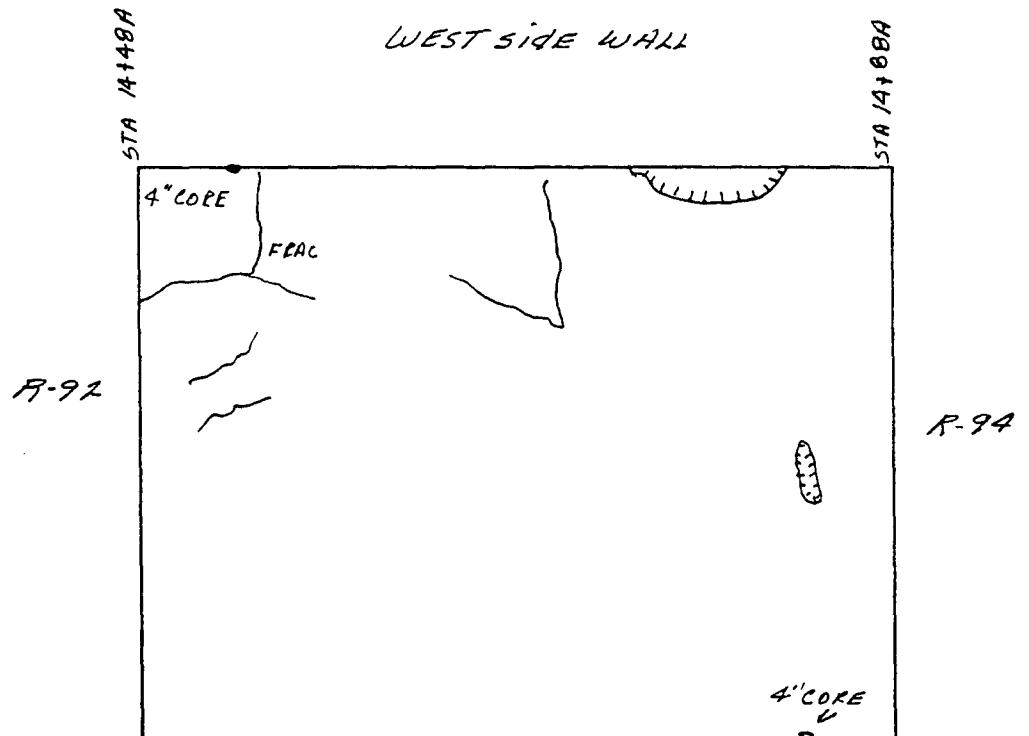
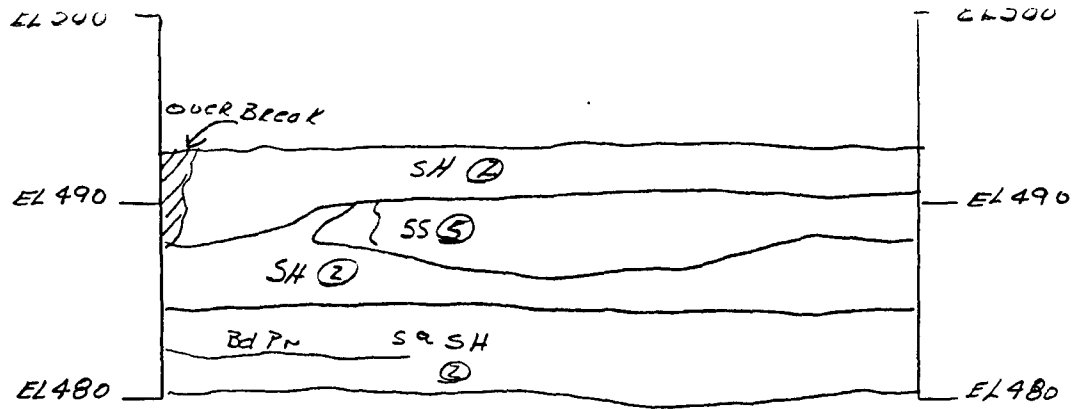
WEST SIDE WALL



EAST SIDE WALL

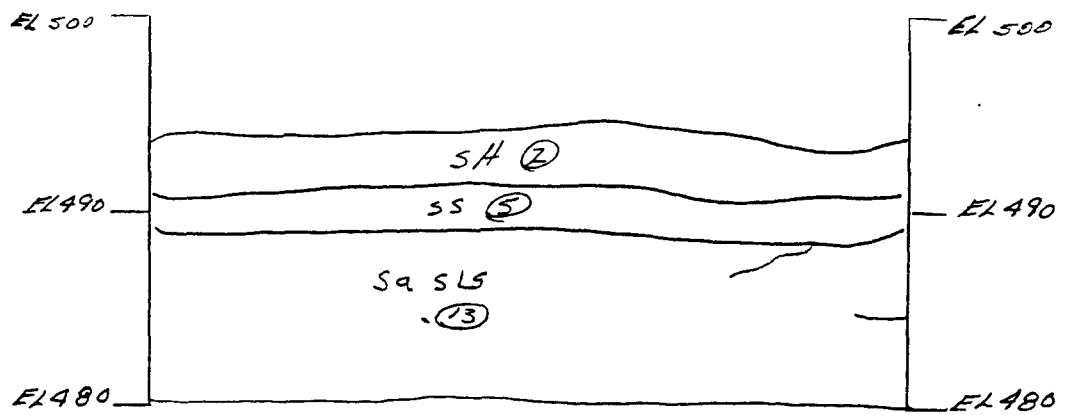






U.S. Army Corps of Engineers

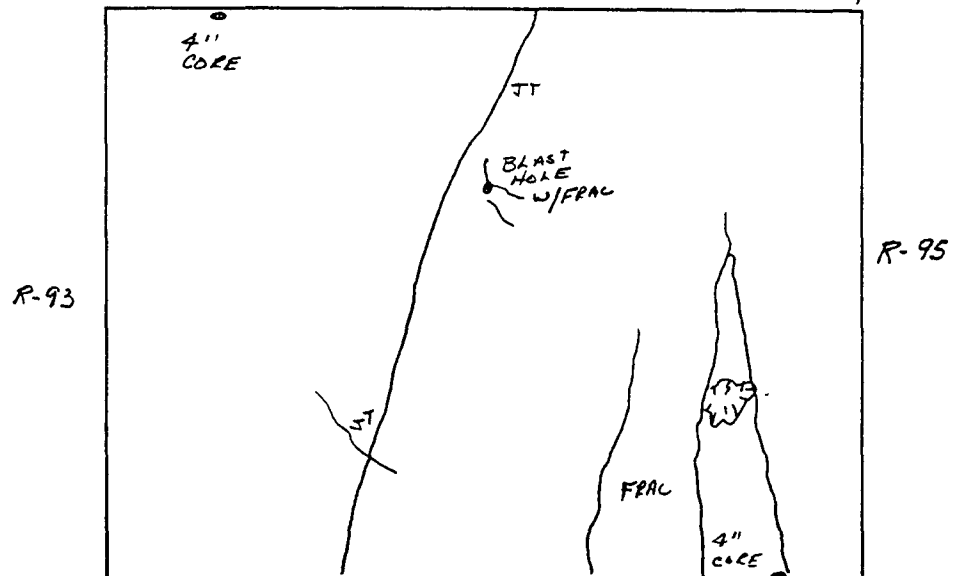
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 93



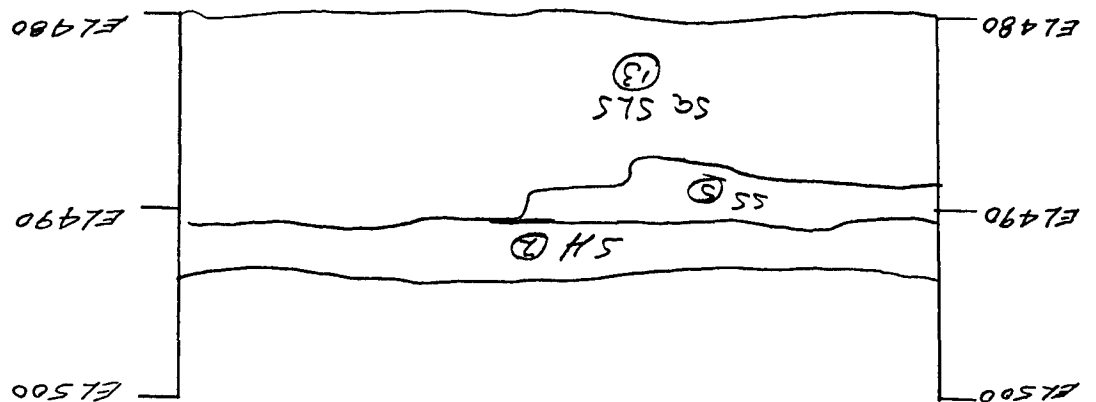
STA 14+88A

WEST SIDE WALL

STA 15+28A

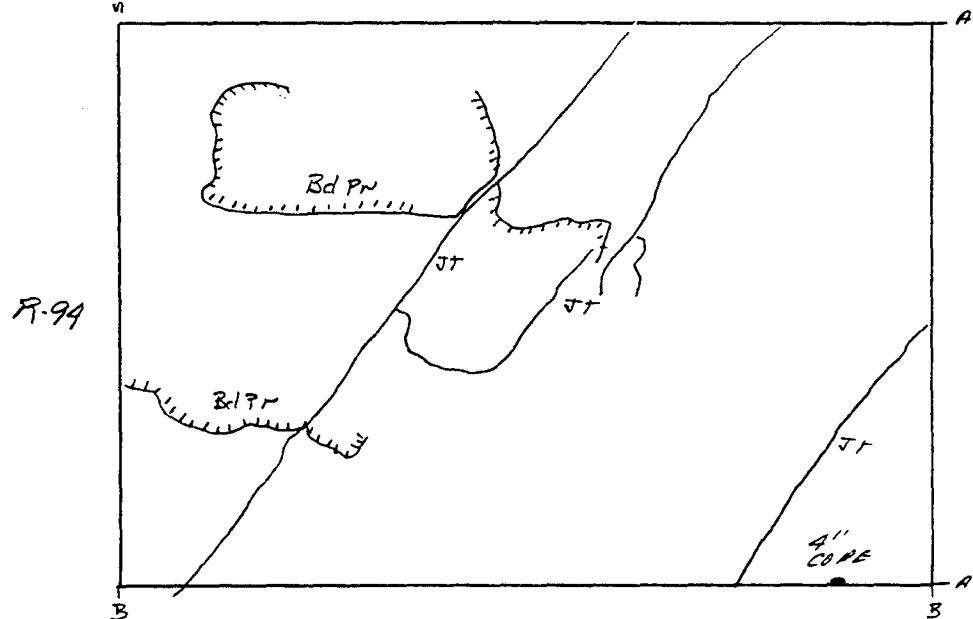
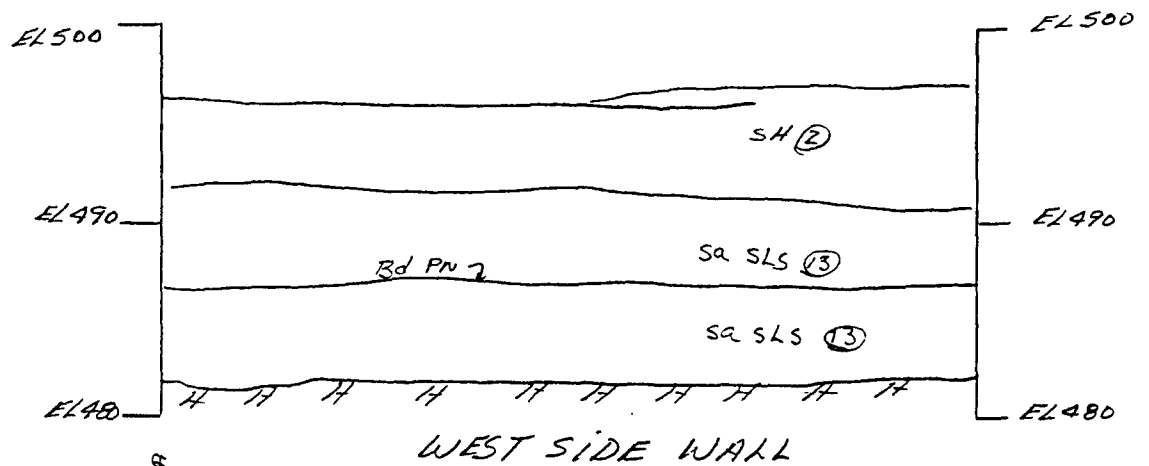


EAST SIDE WALL



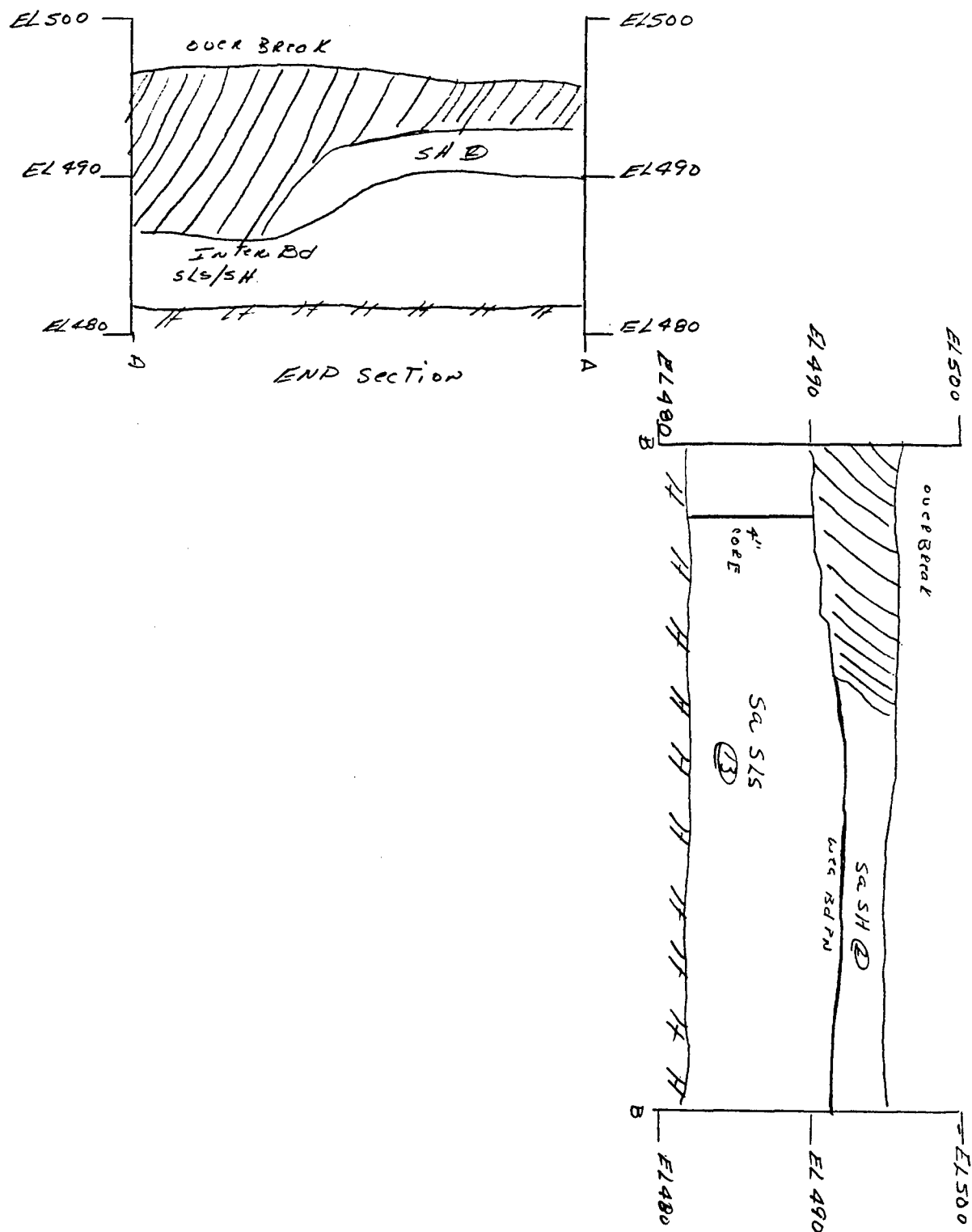
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 94



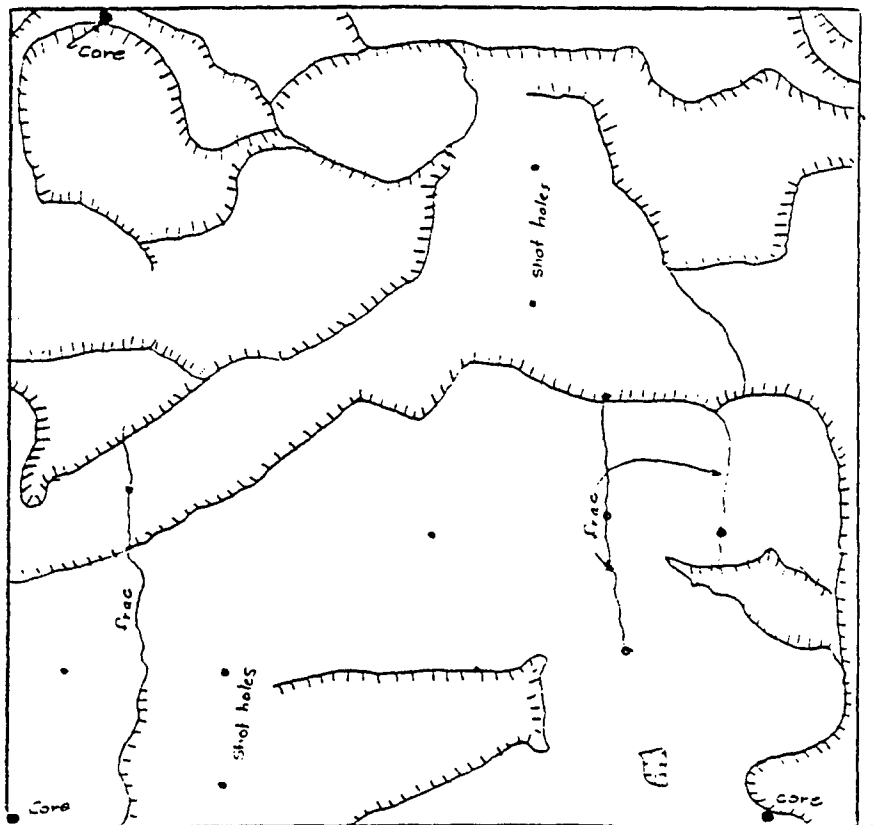
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 95



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 95

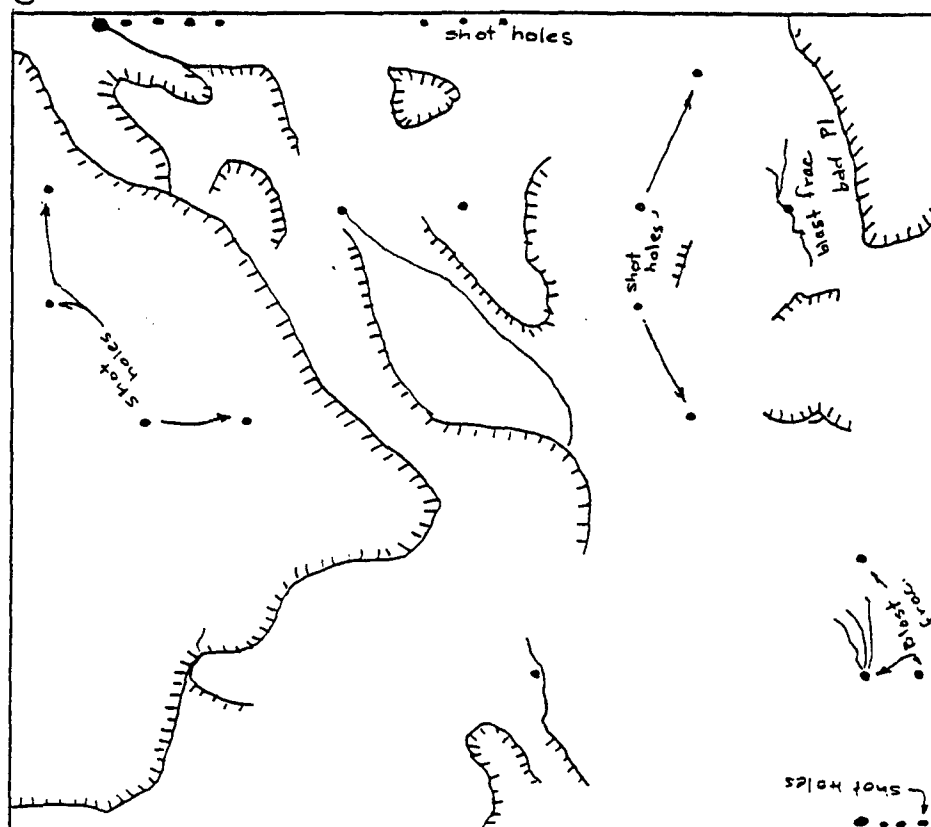


U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Wall Monolith 1

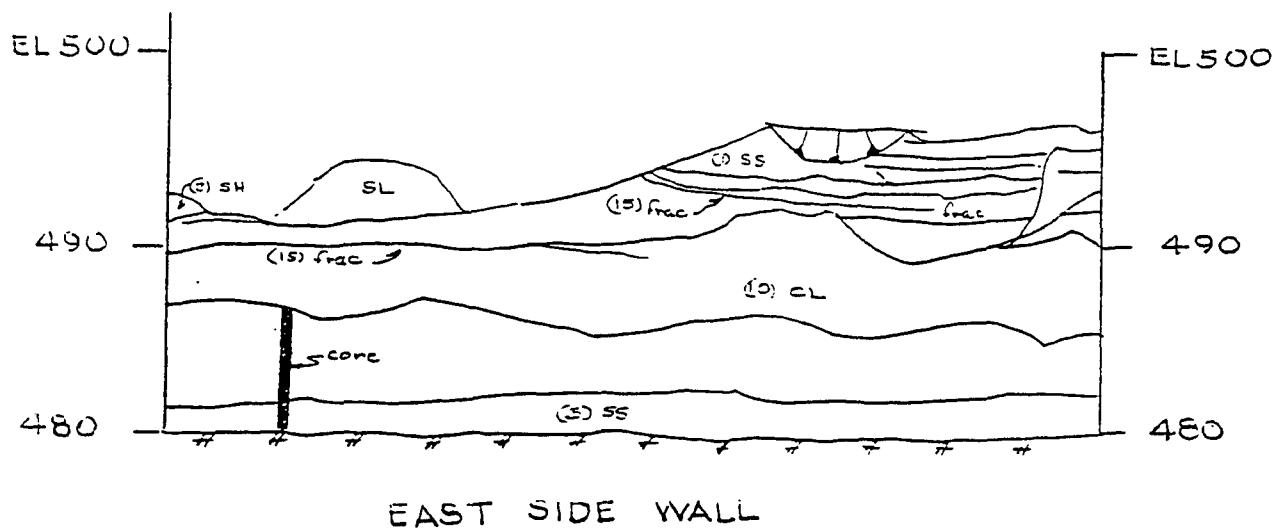
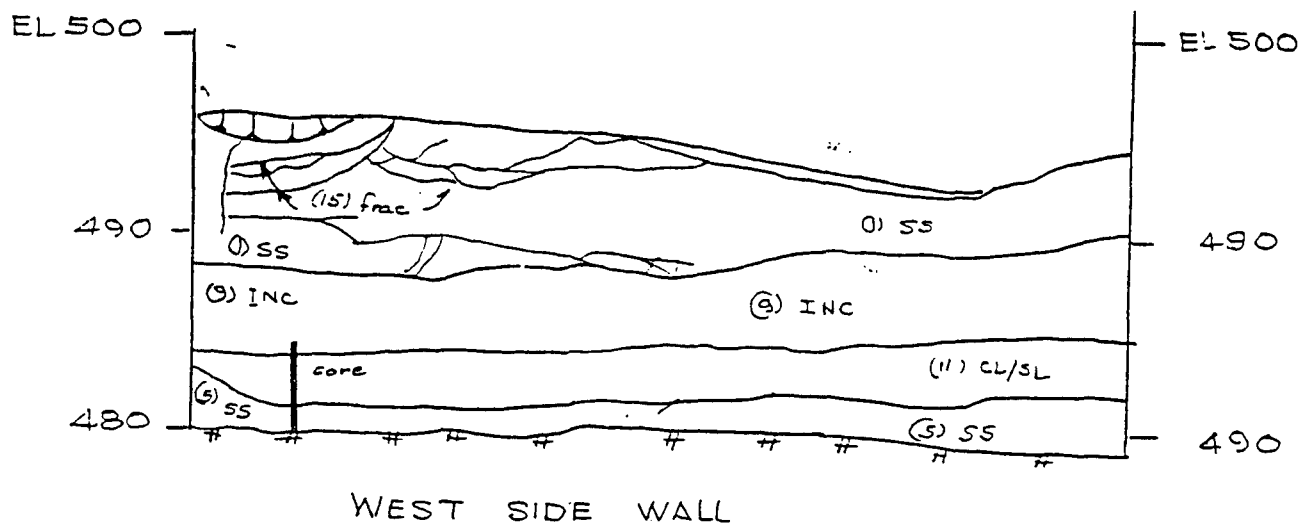
STA-15+27 B

STA-14+79 B



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 2

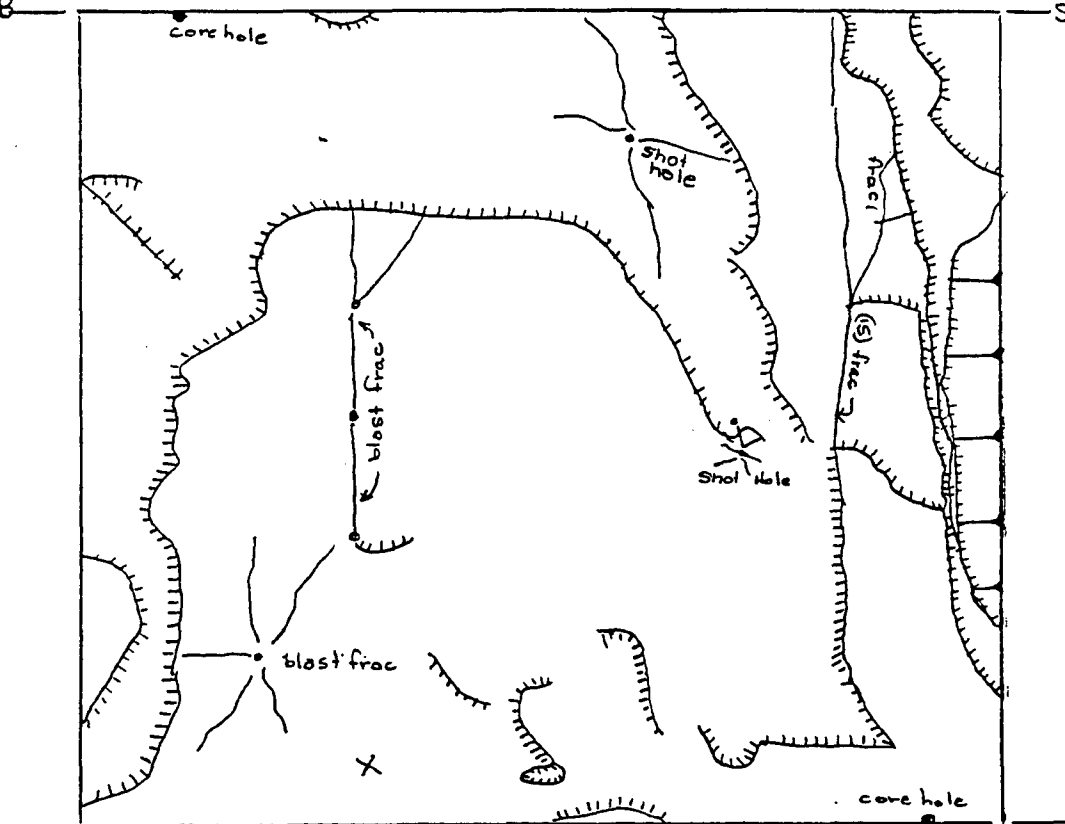


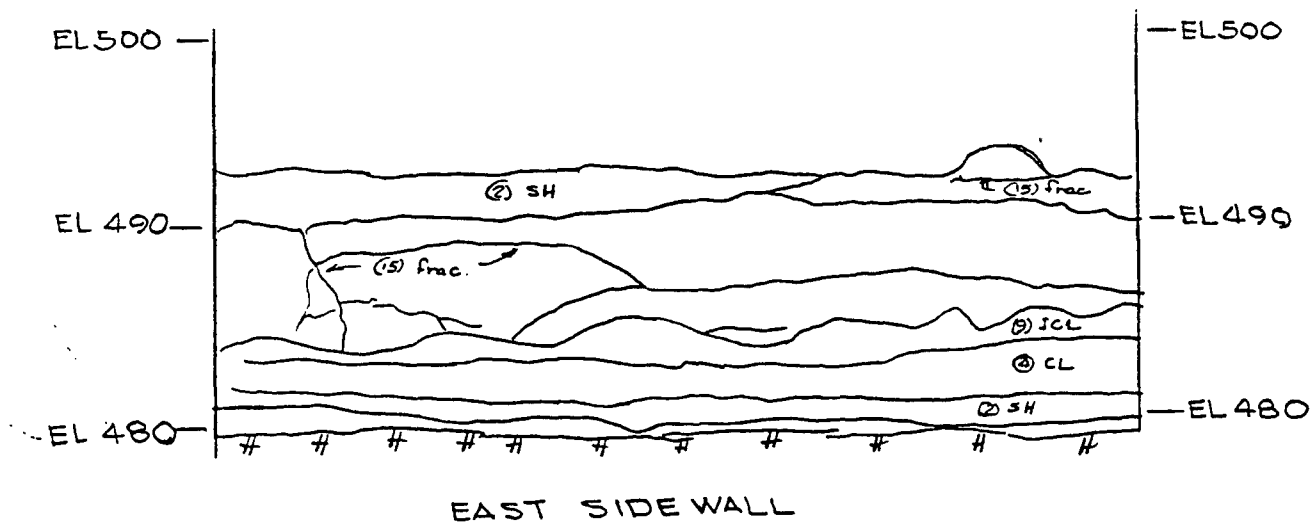
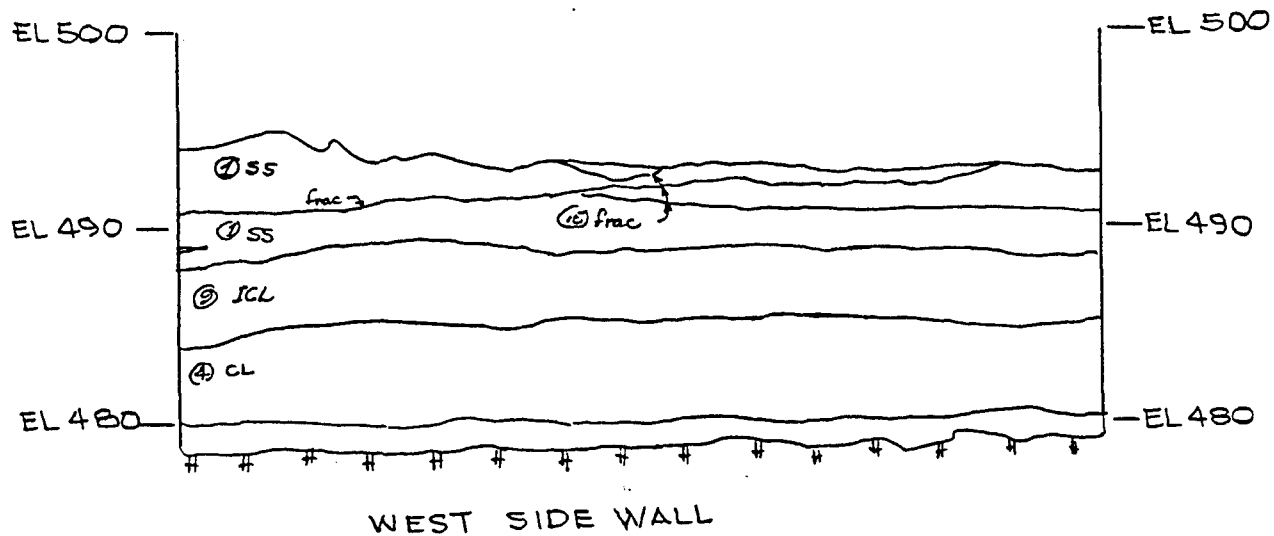
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 2

STA 14+798

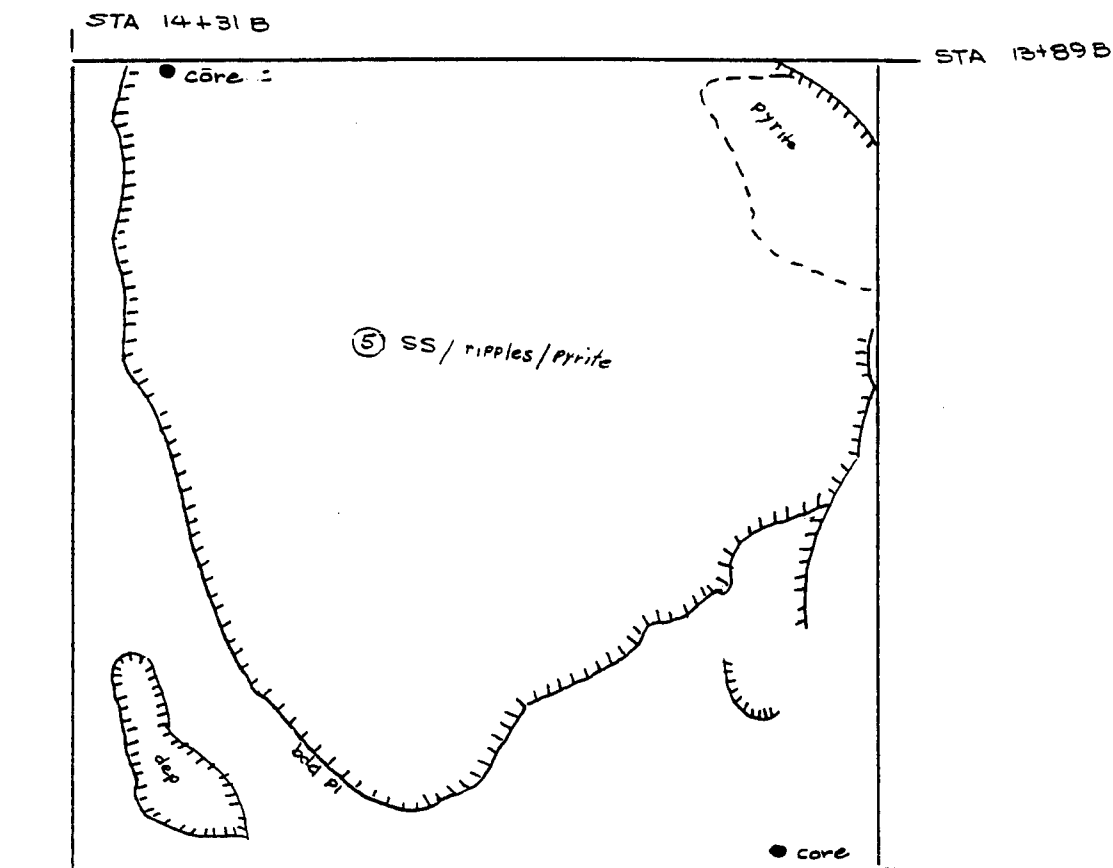
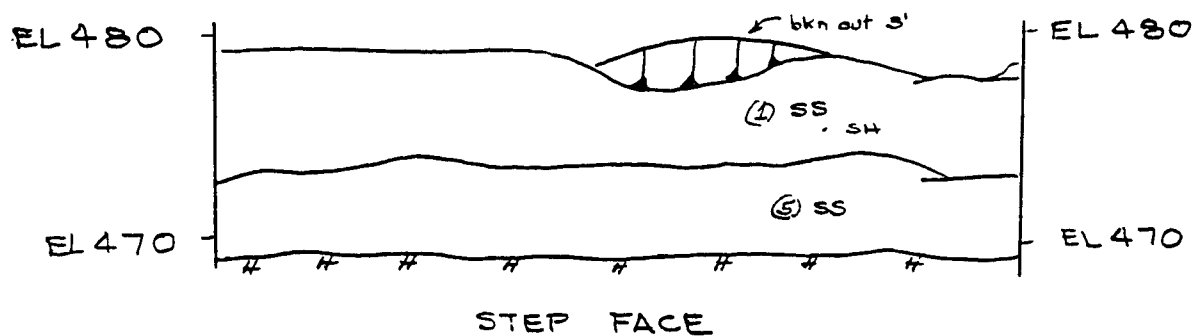
STA 14+31E





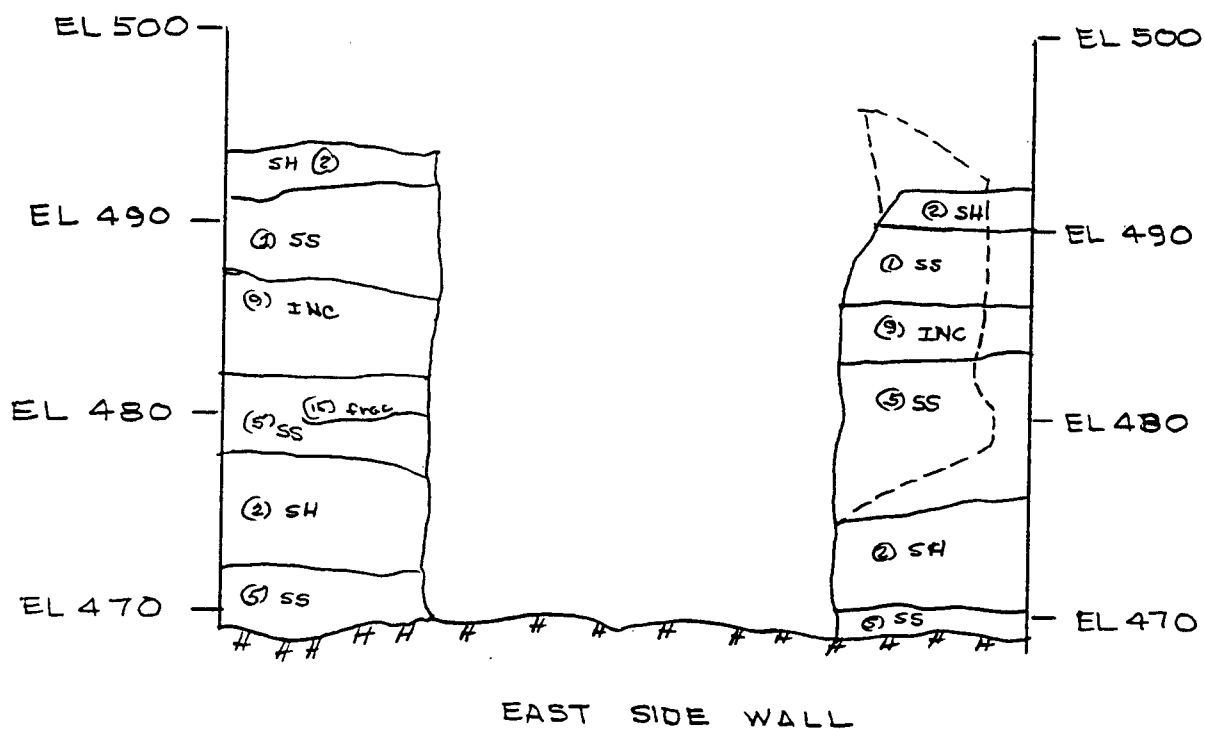
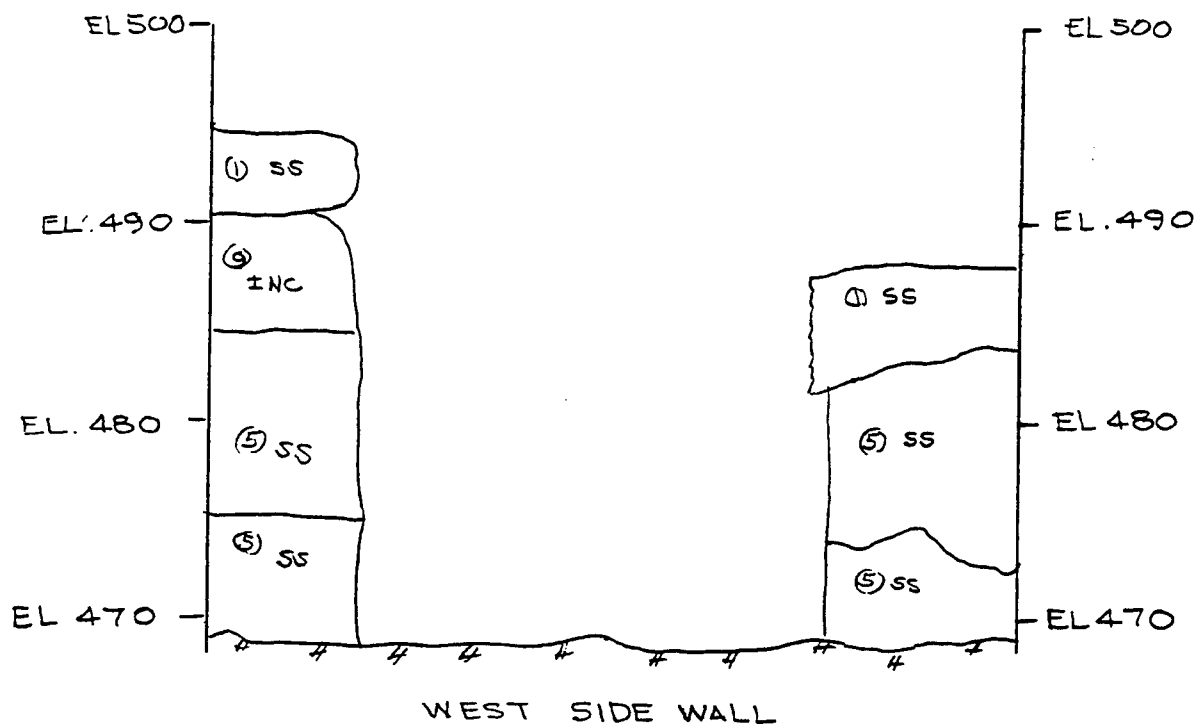
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Wall Monolith 3



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 4



U.S. Army Corps of Engineers

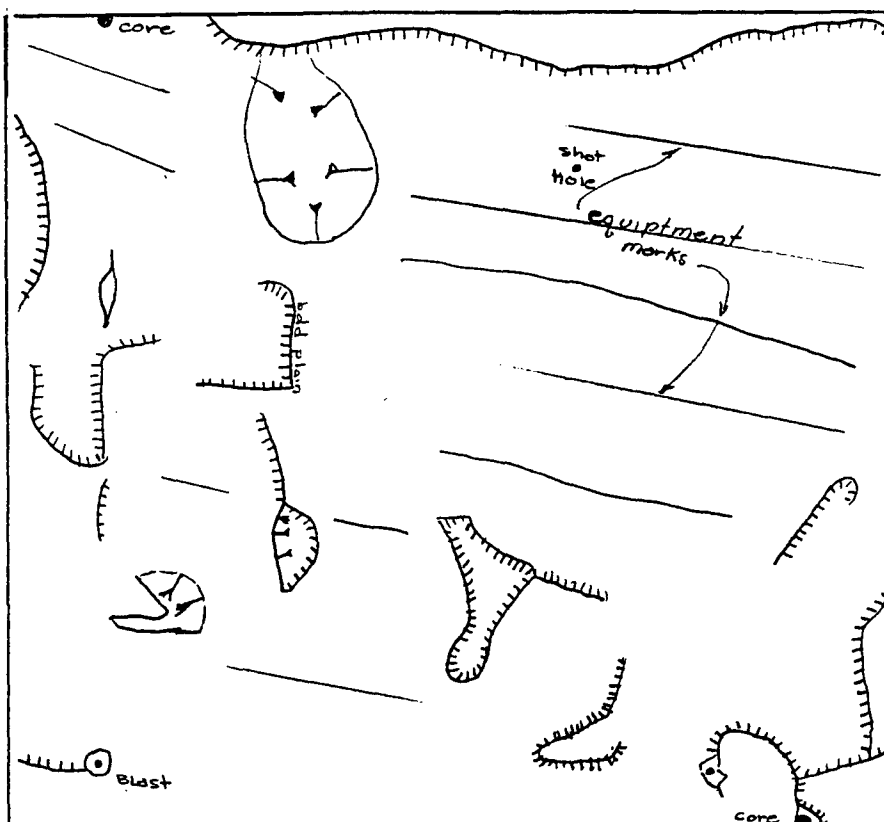
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 4

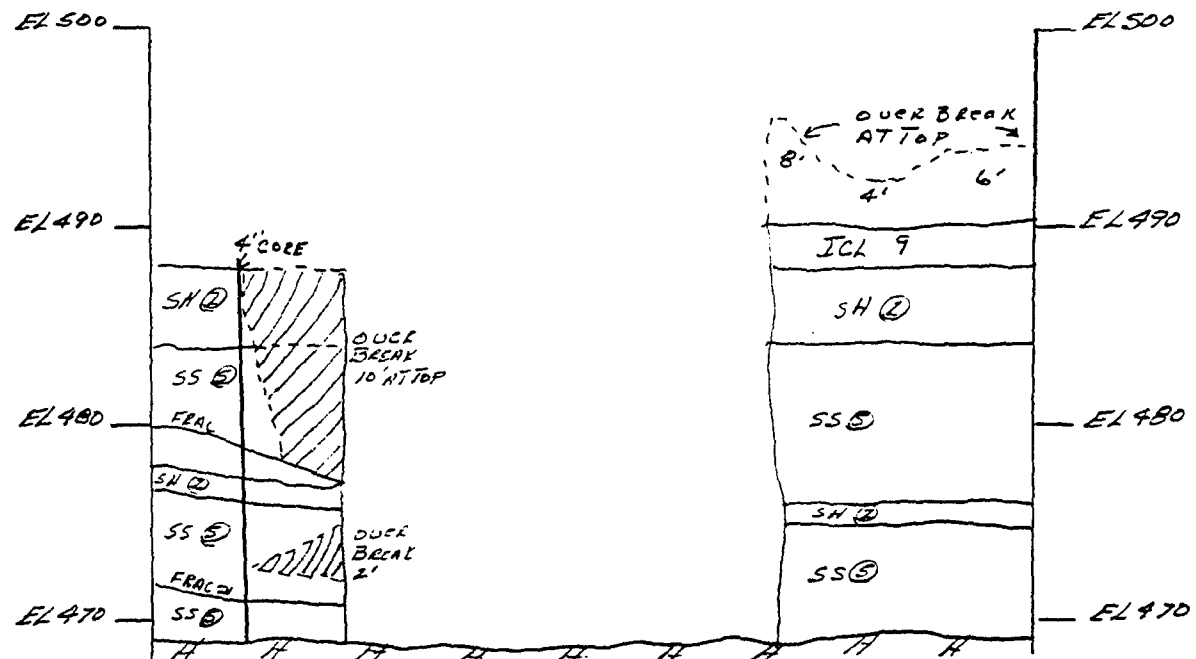
STA. 13+89 B

STA 13+43B

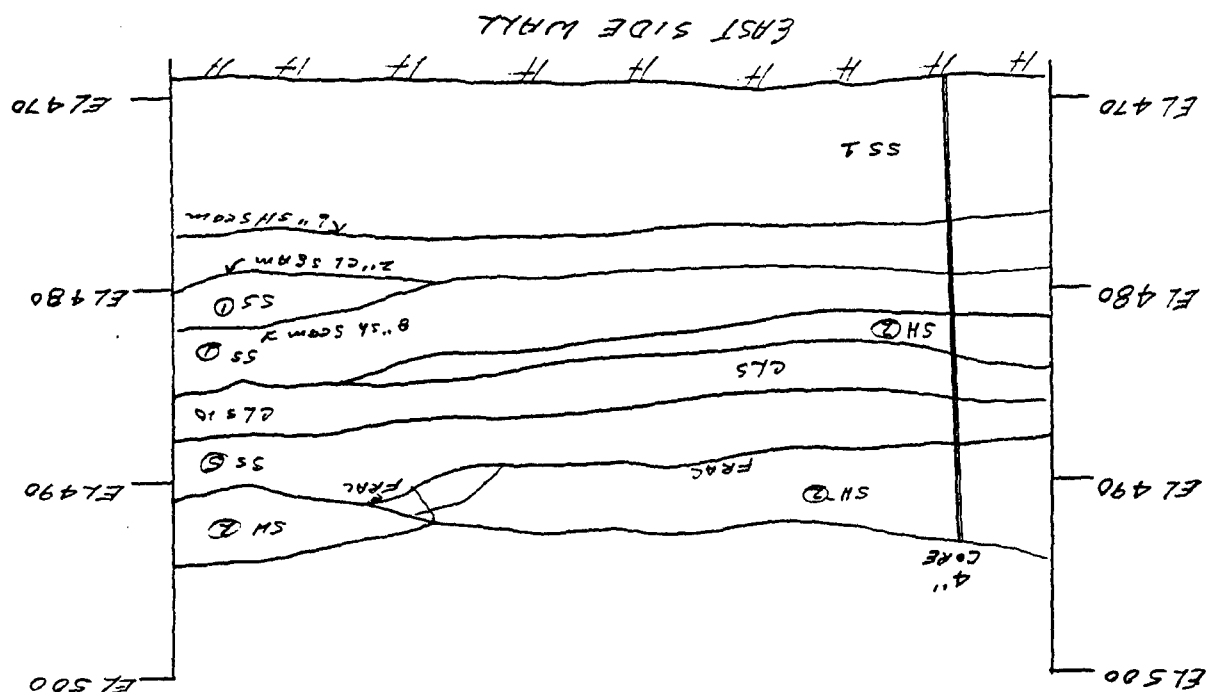
M-4

M-6

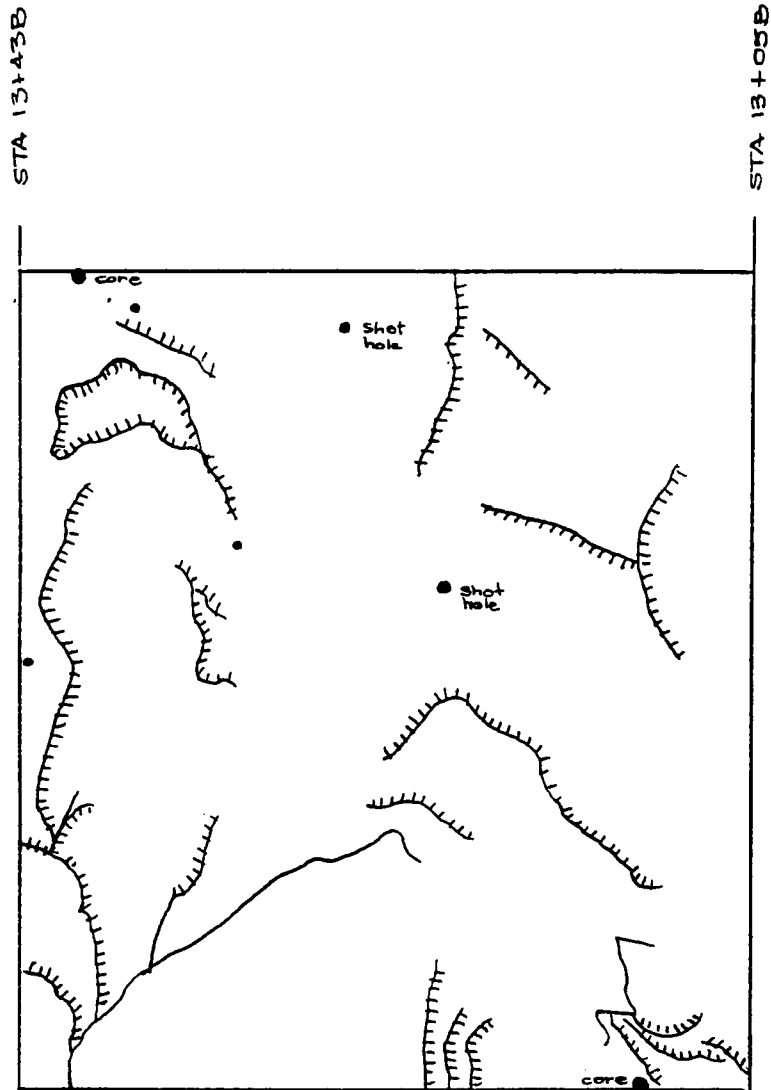
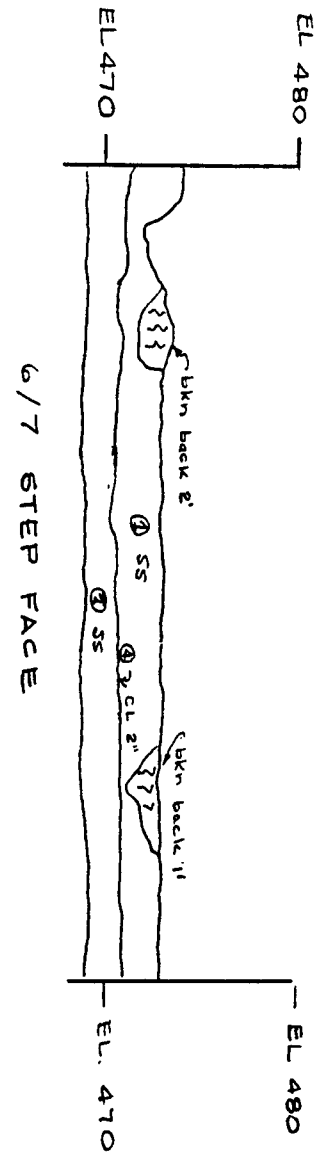




WEST SIDE WALL



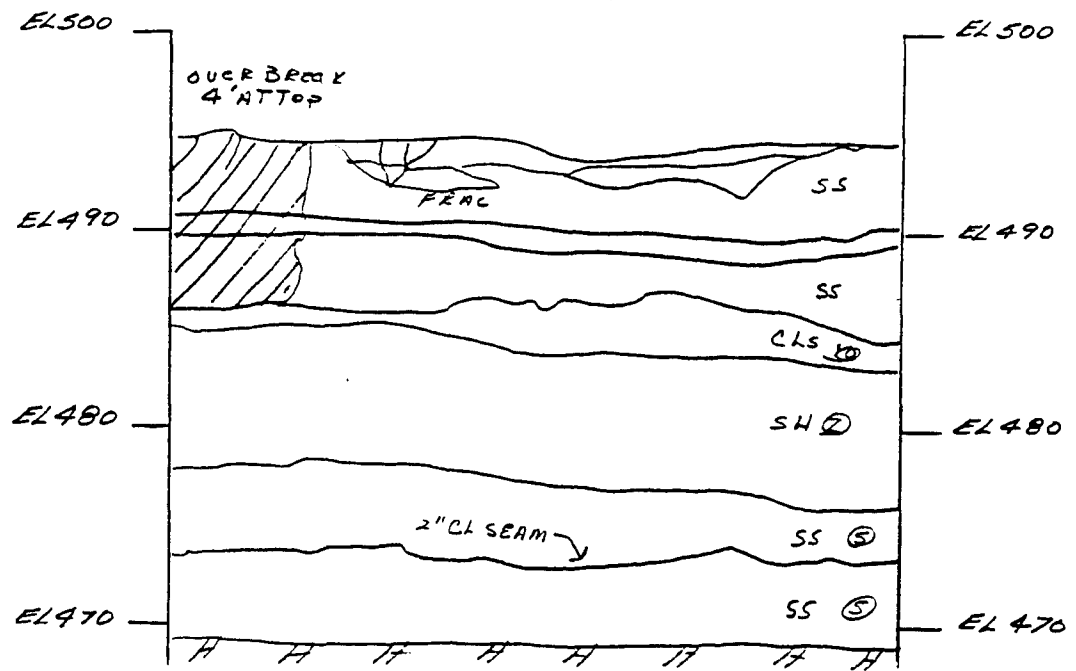
EAST SIDE WALL



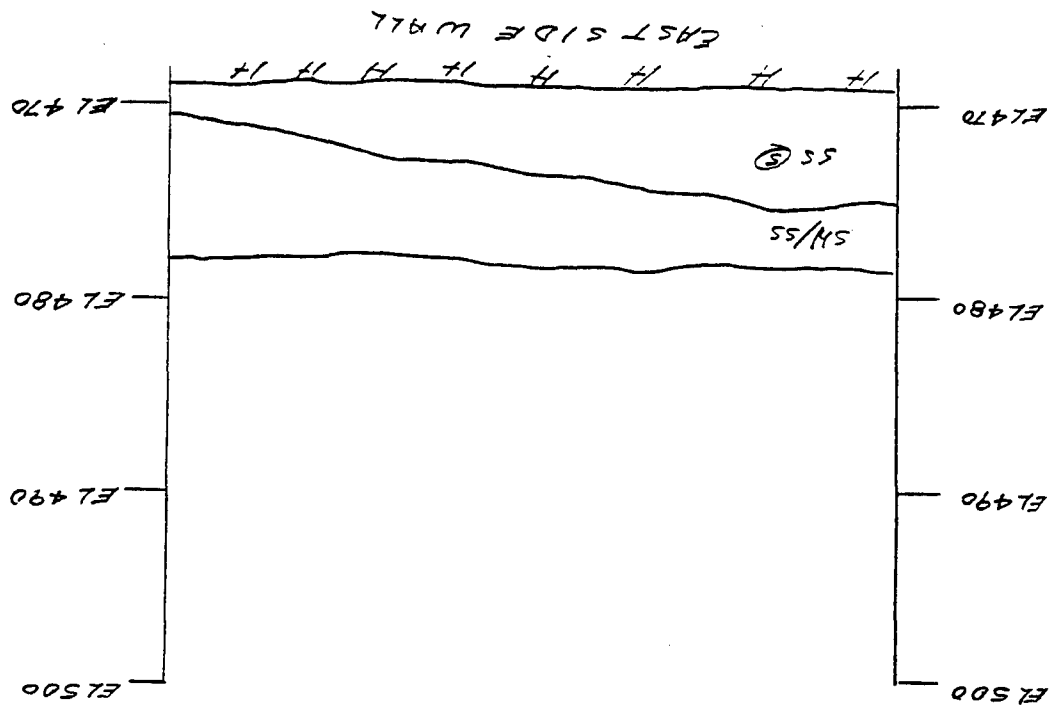
M-5

U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 6

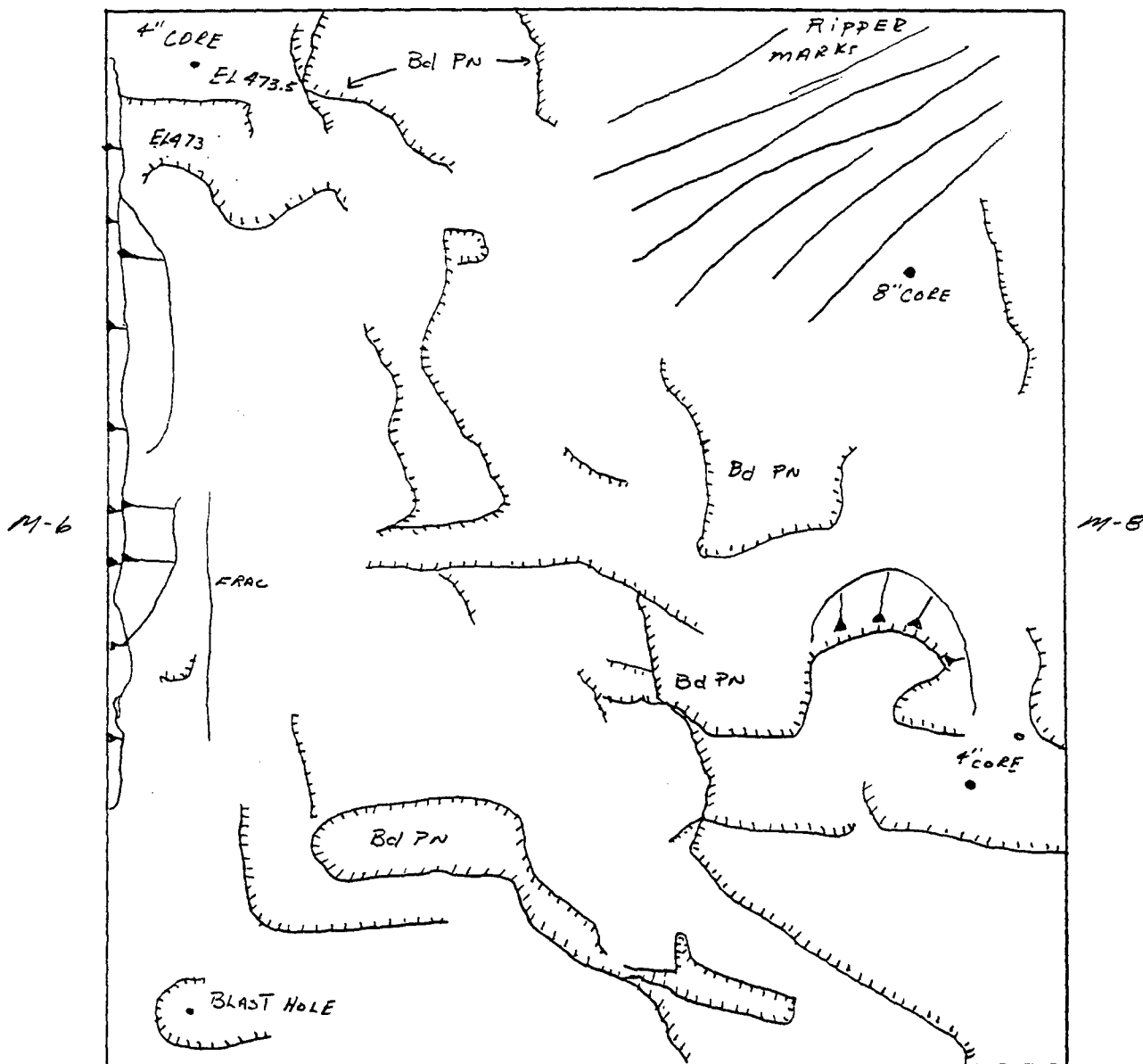


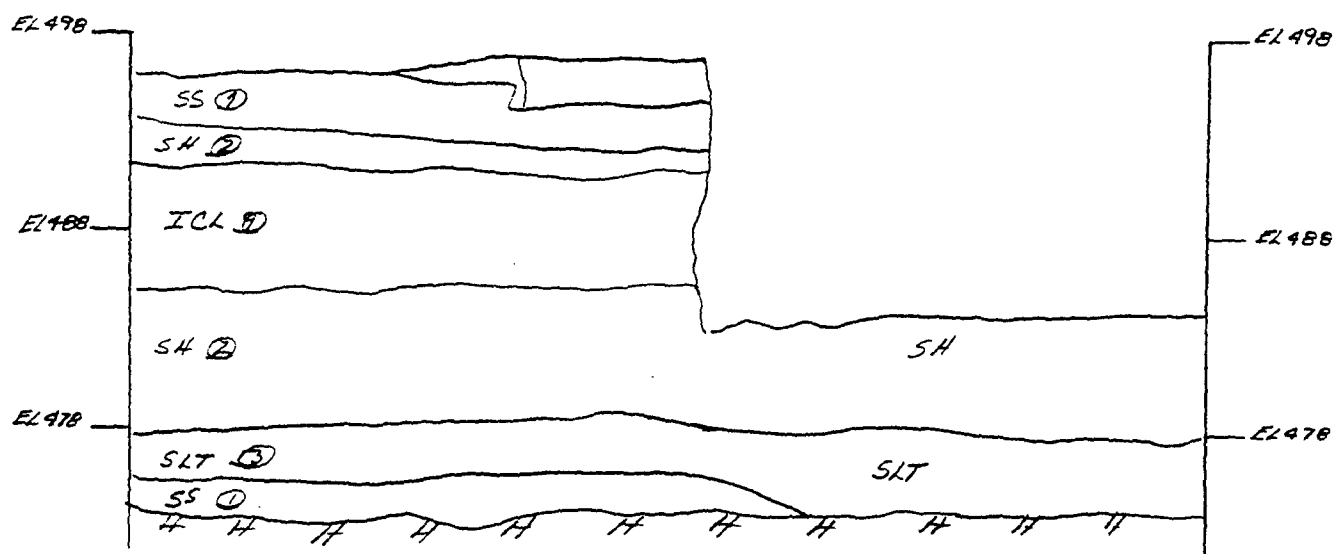
WEST SIDE WALL



STA 13+05.8

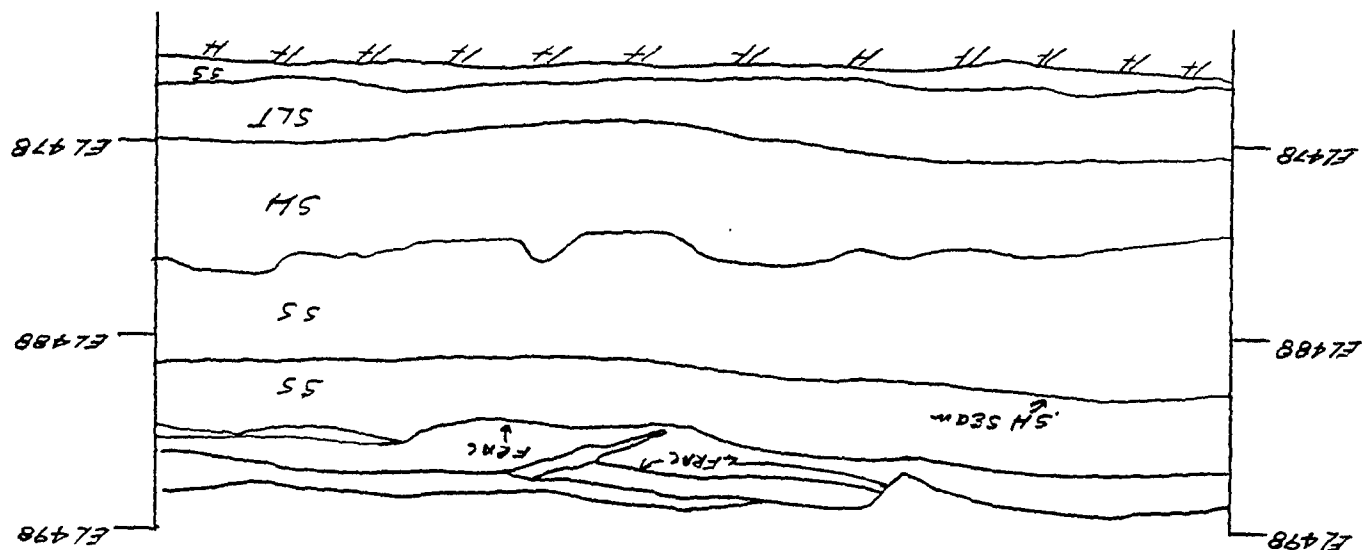
STA 12+49.8





WEST SIDE WALL

EAST SIDE WALL



U.S. Army Corps of Engineers

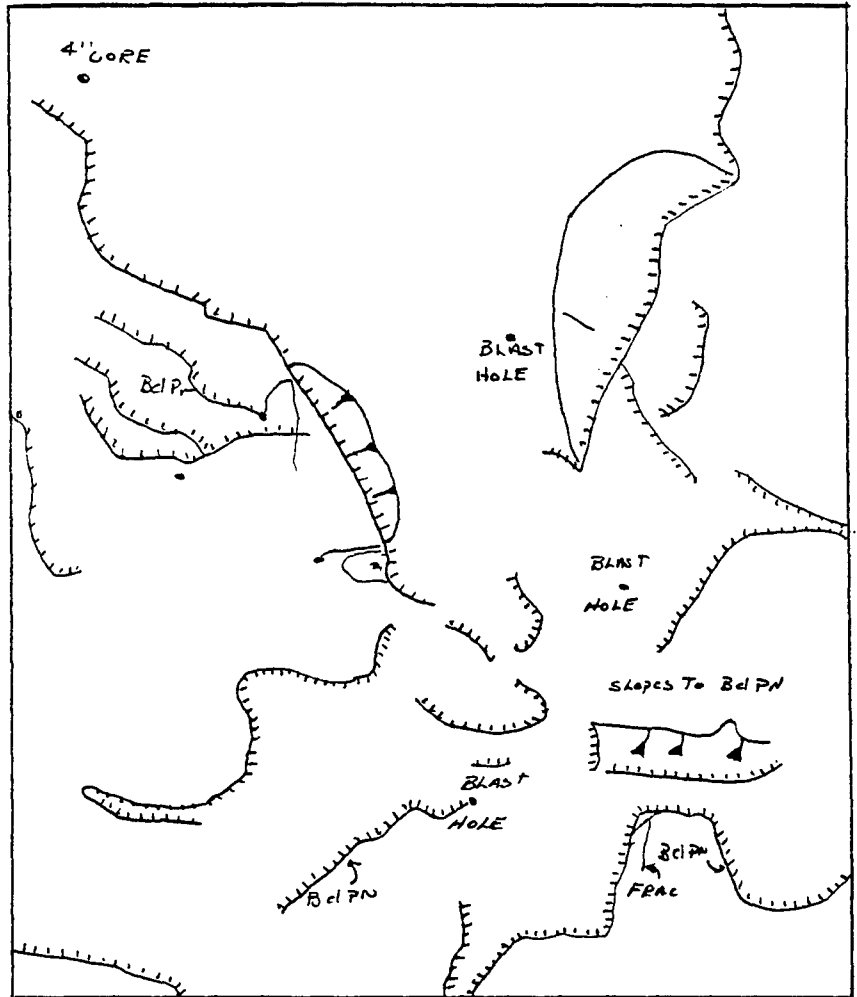
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Wall Monolith 7

STA 12+49B

STA 12+05B

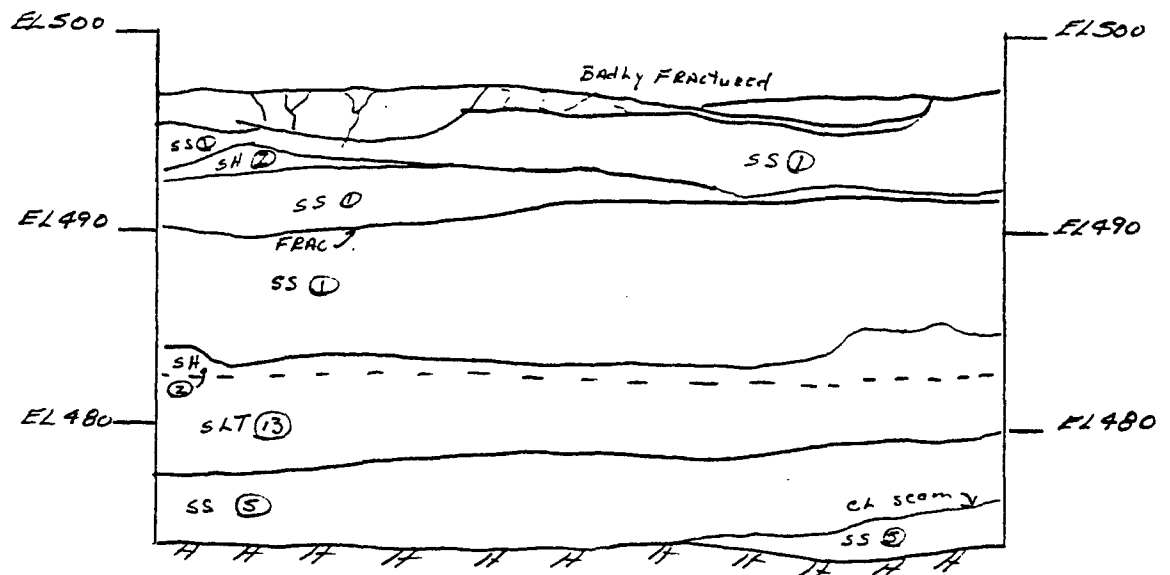
M-7

M-9

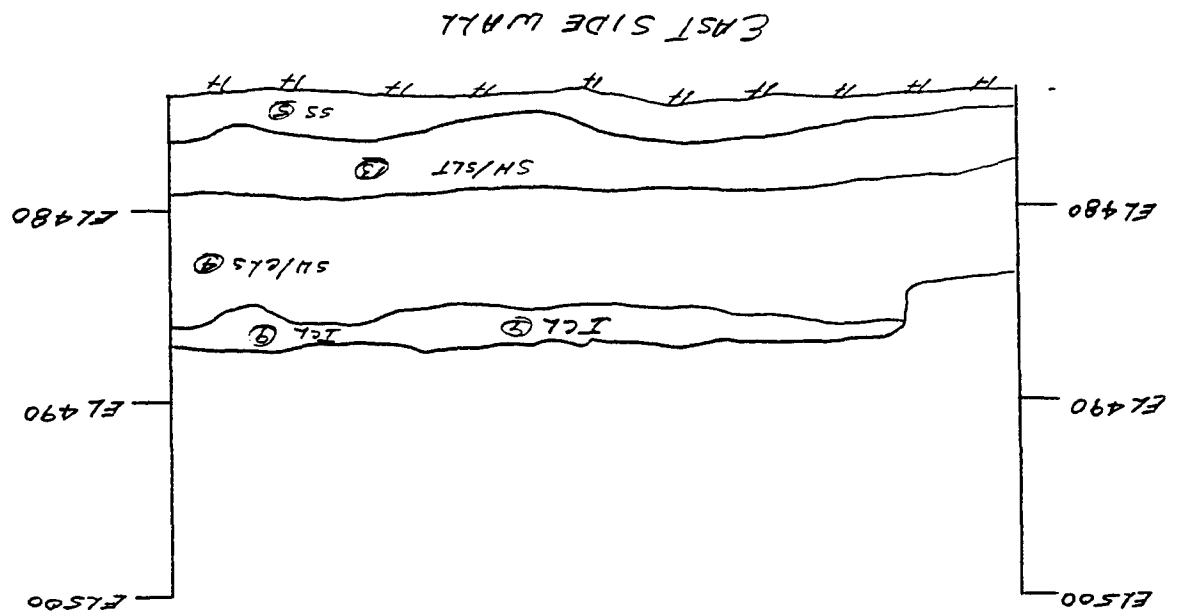


U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 8

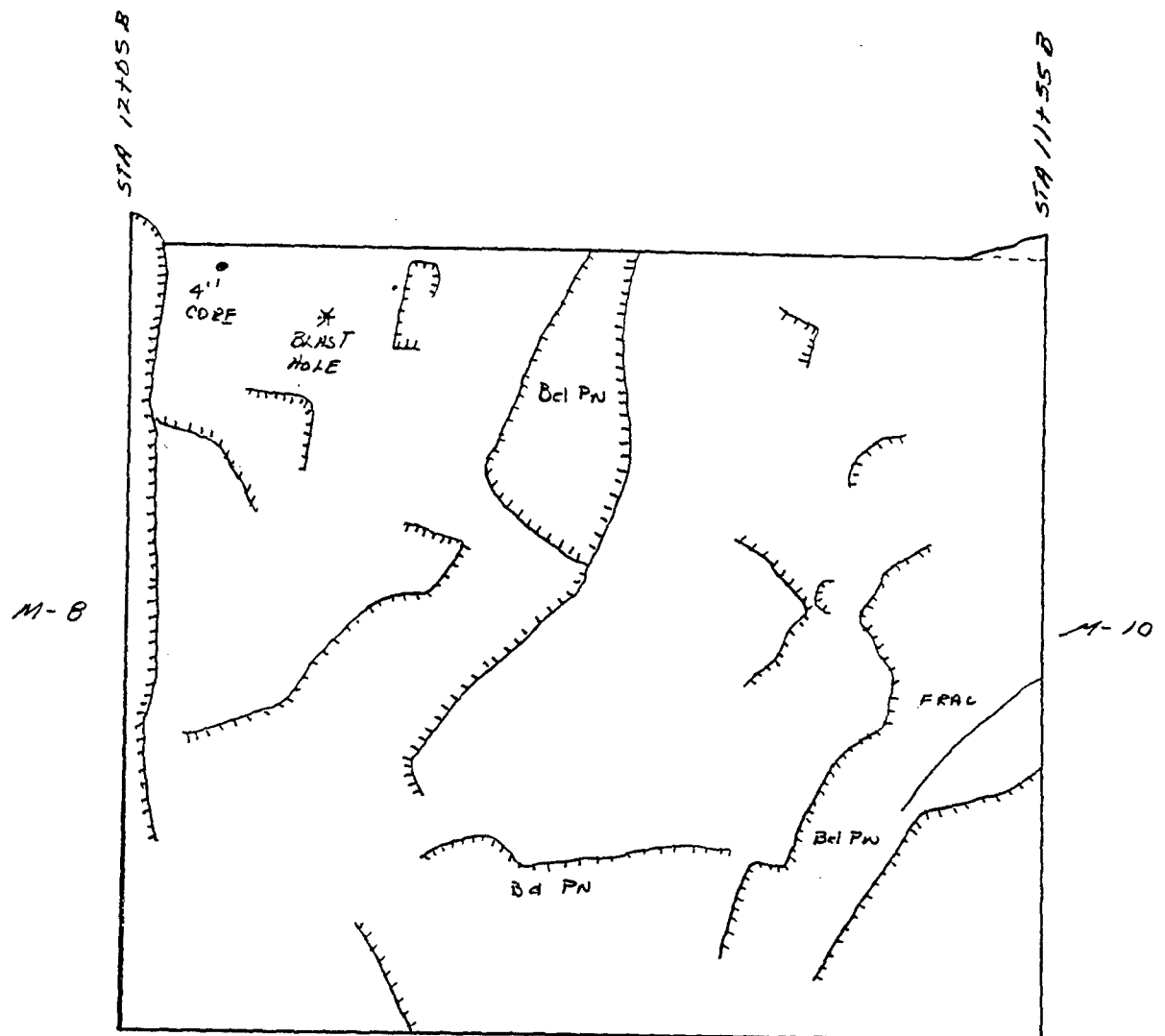


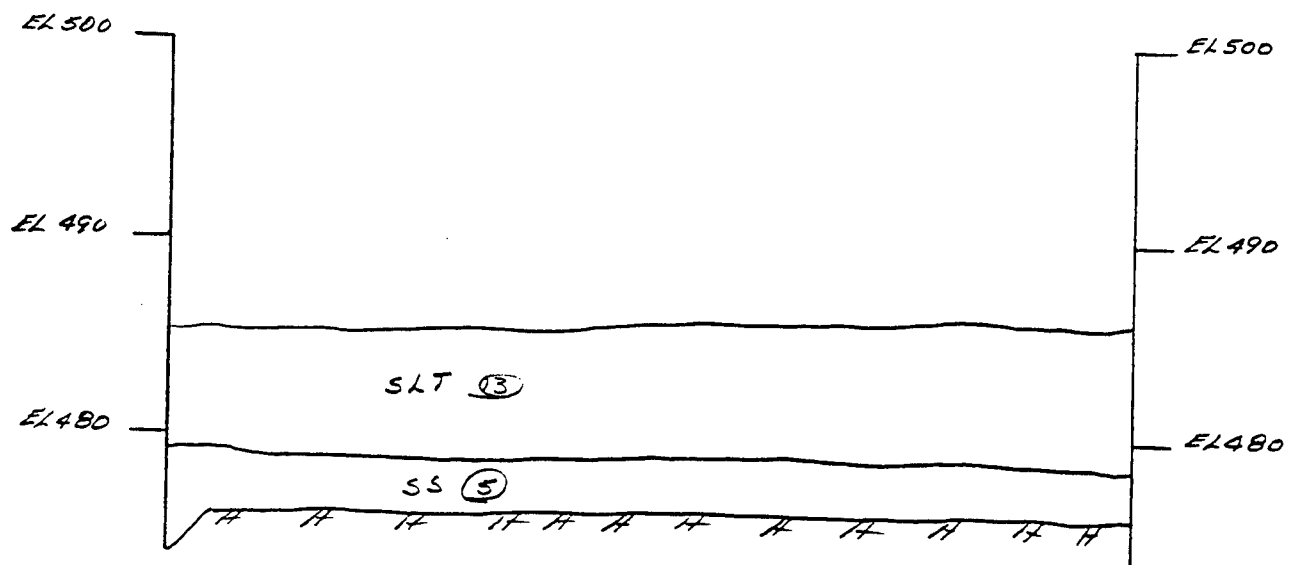
WEST SIDE WALL



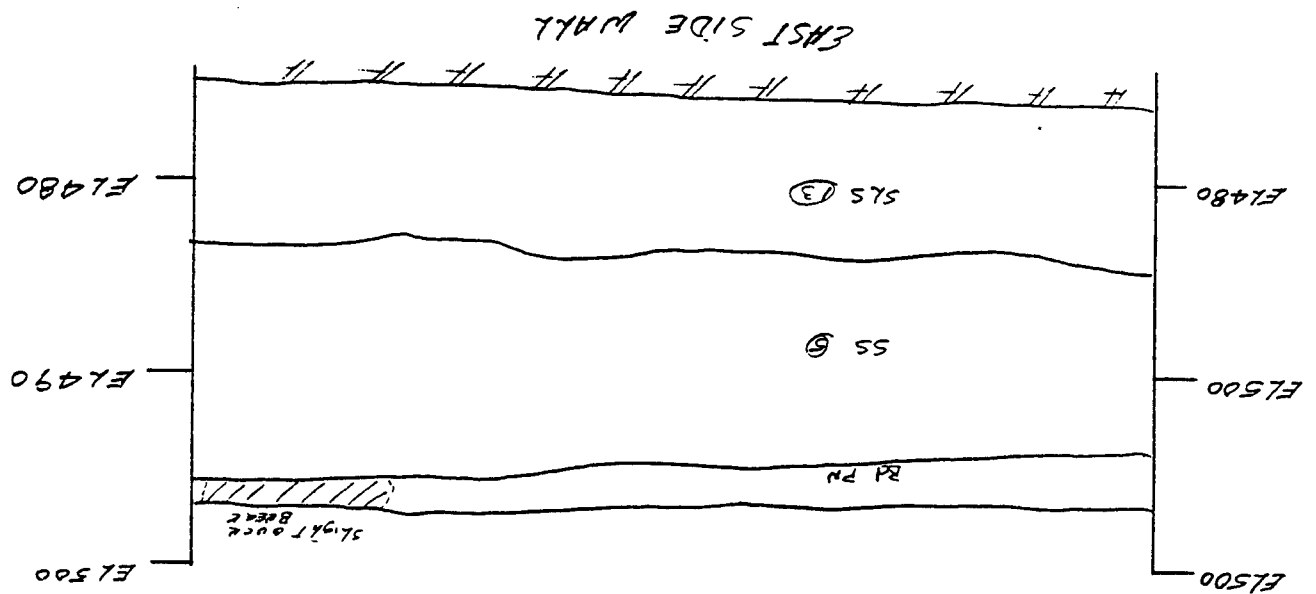
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 8



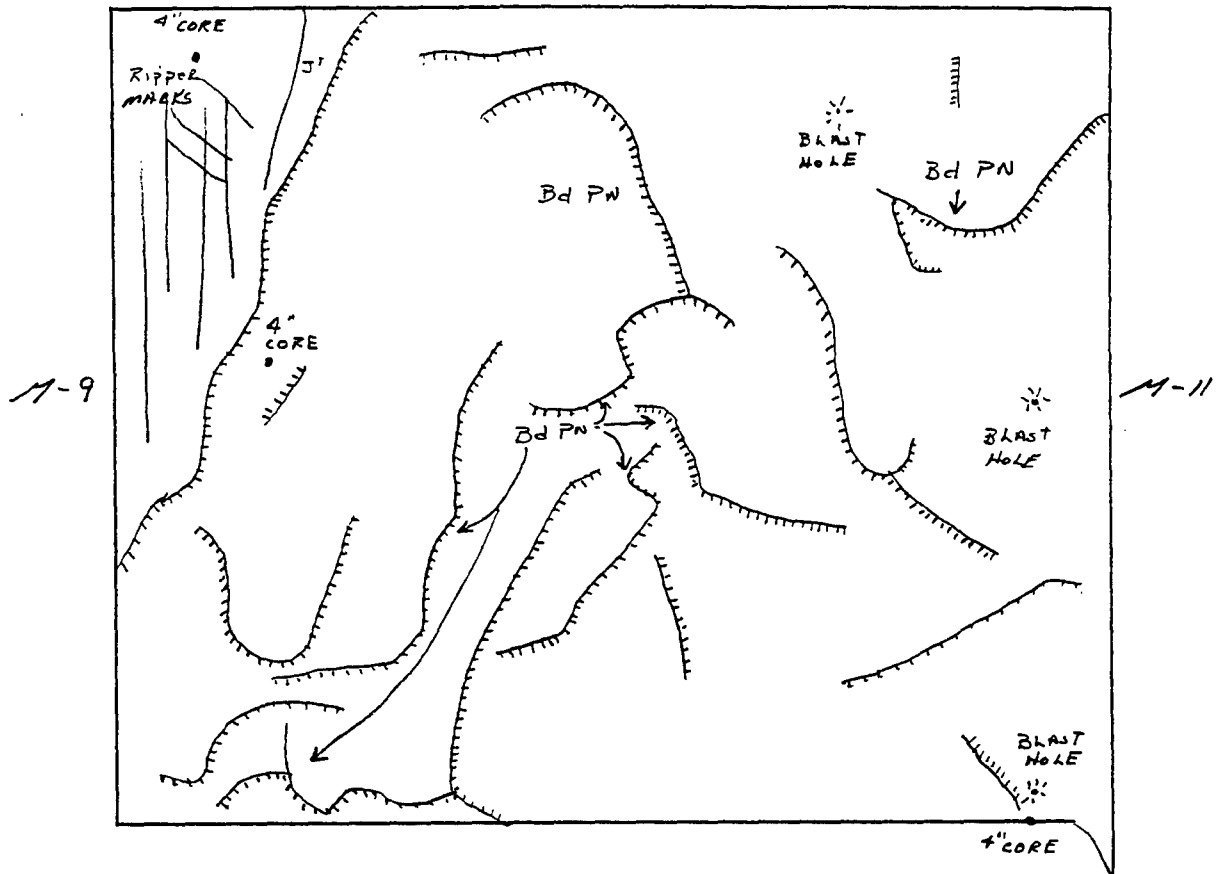


WEST SIDE WALL



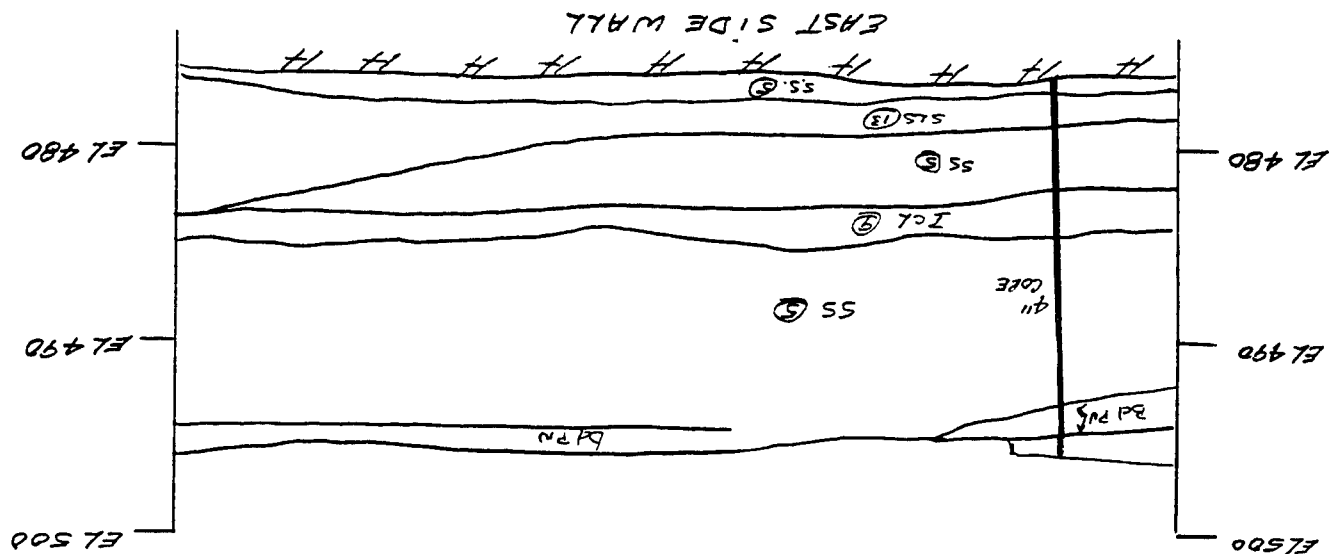
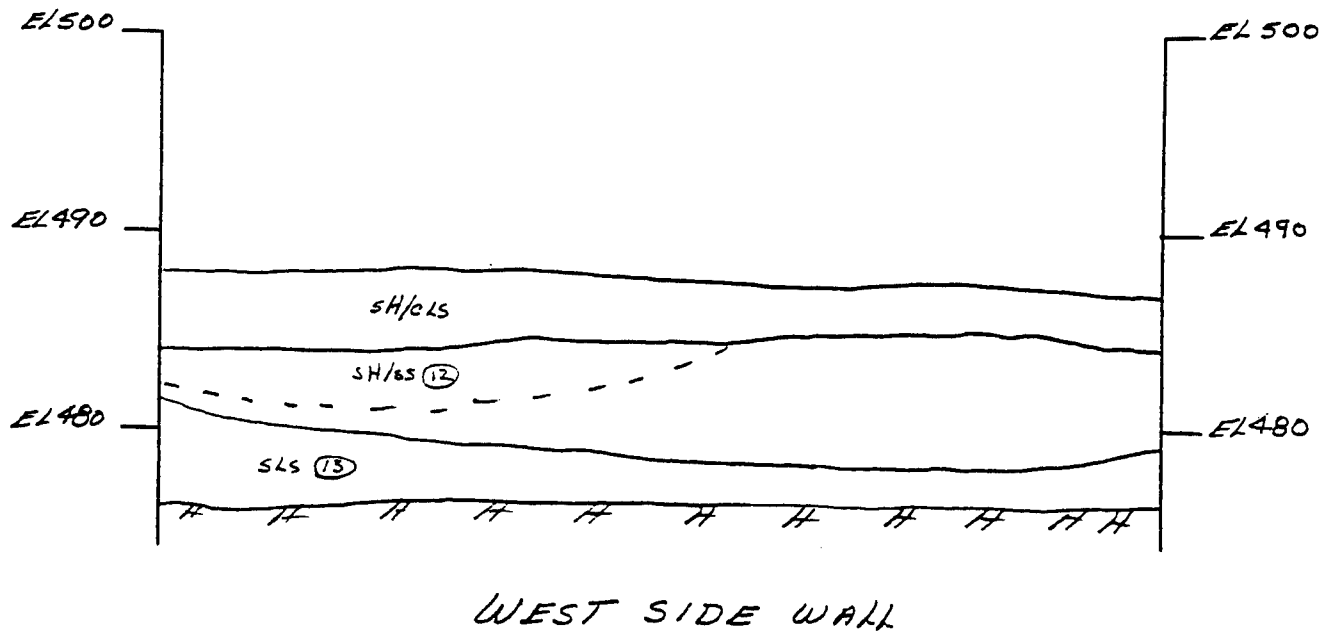
STA 11+55 B

STA 11+03 B



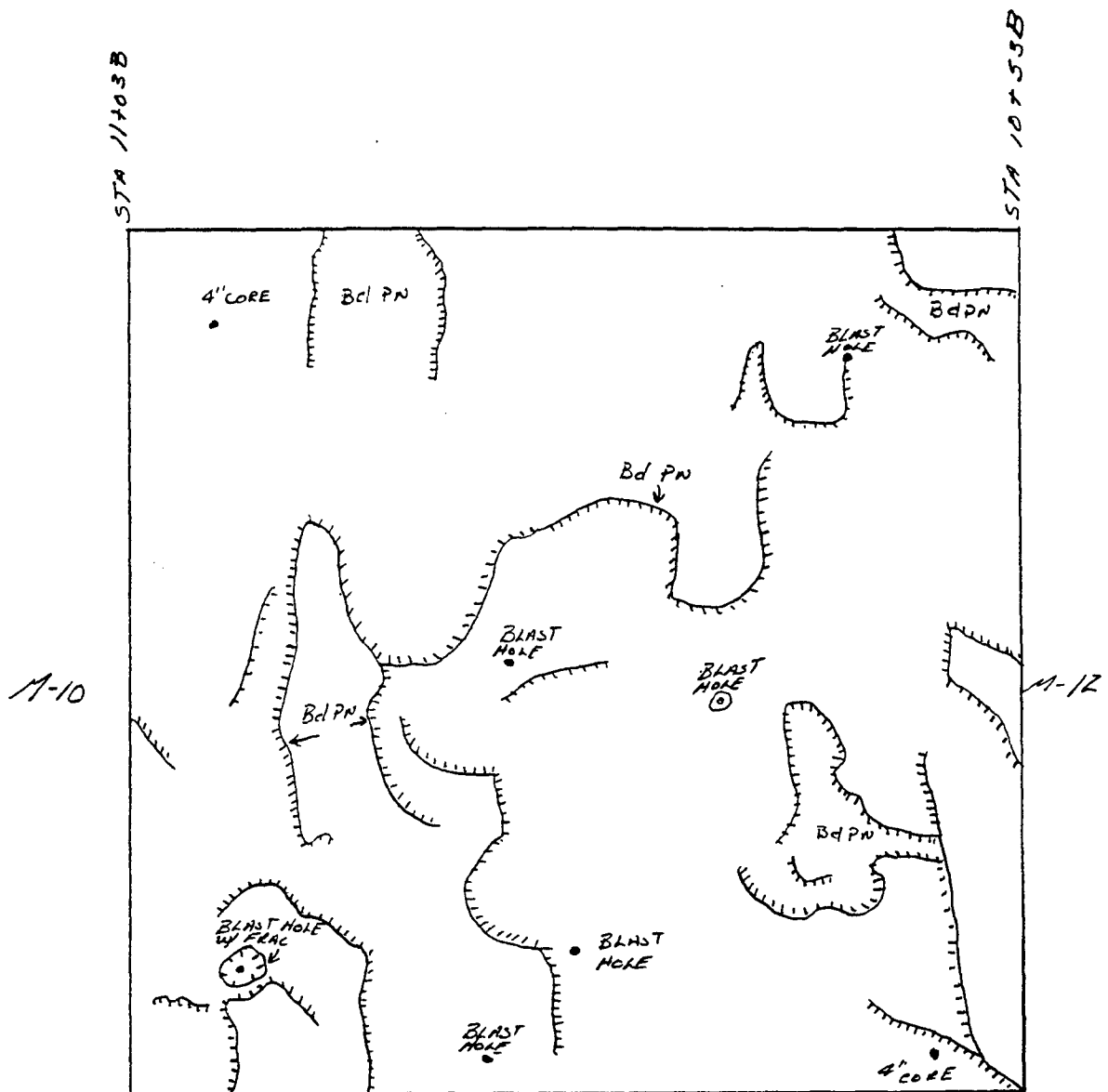
U.S. Army Corps of Engineers

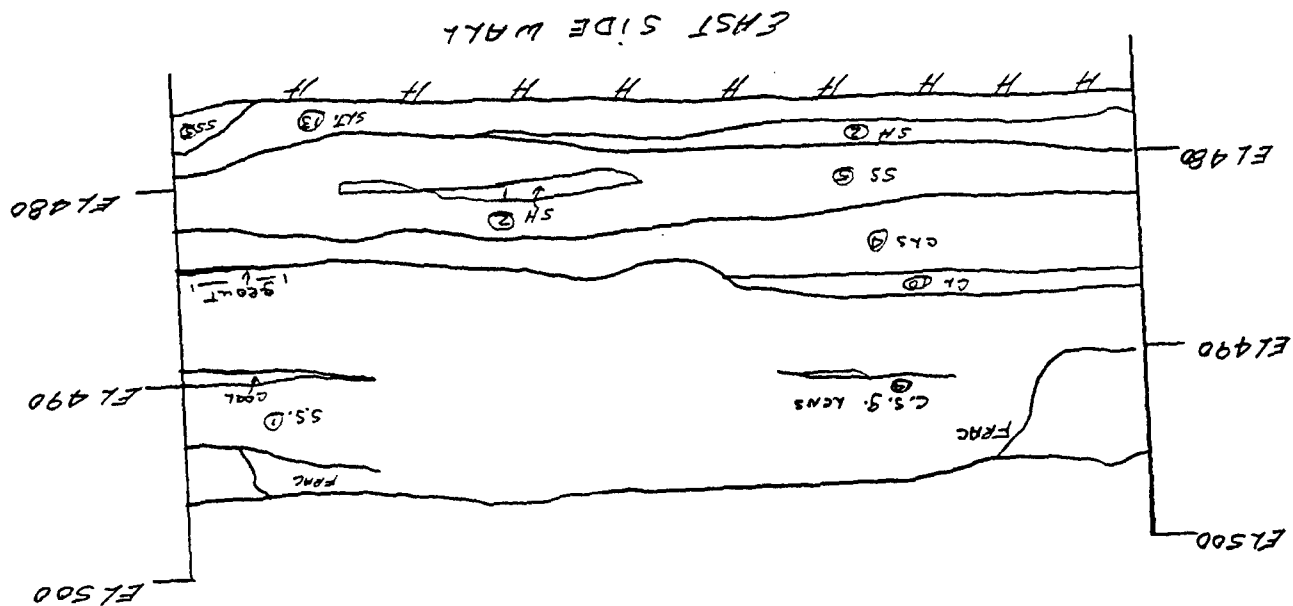
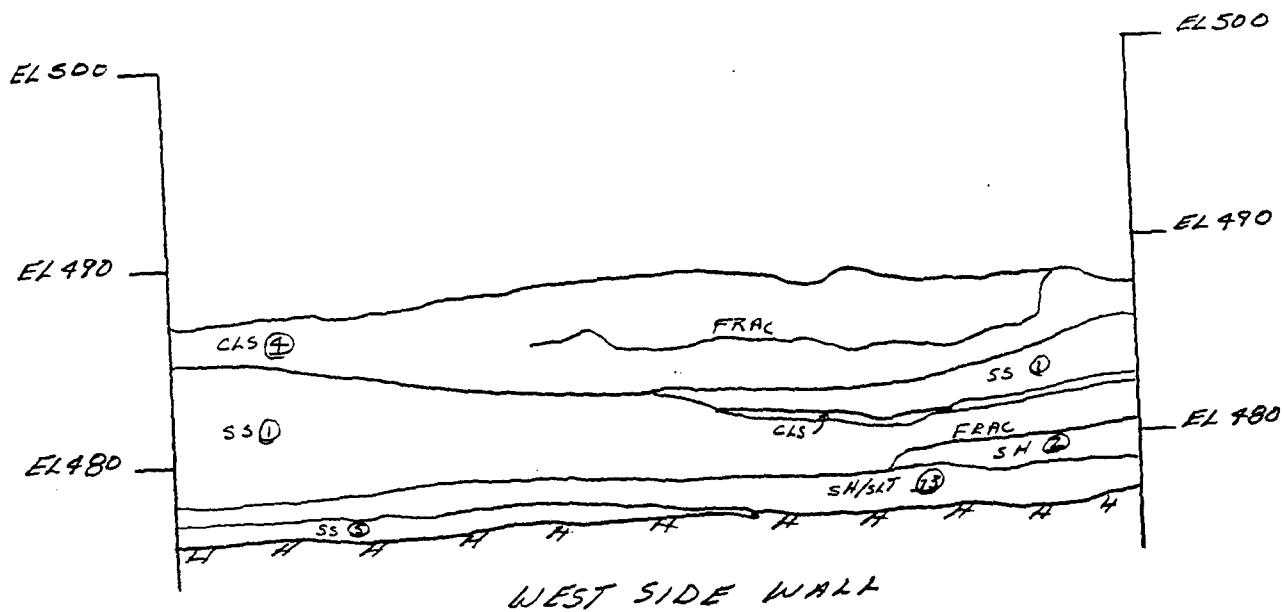
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 10



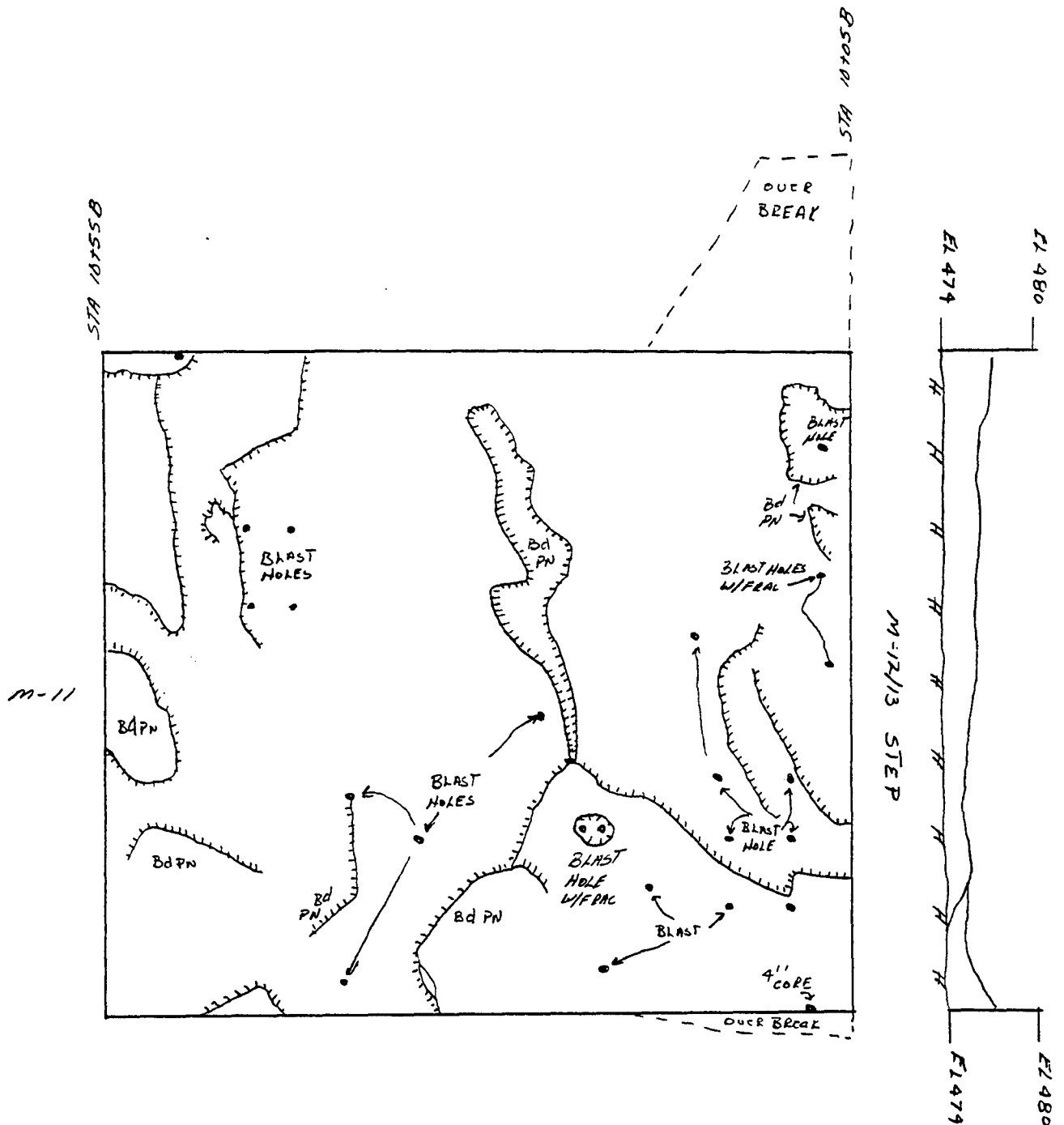
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 10



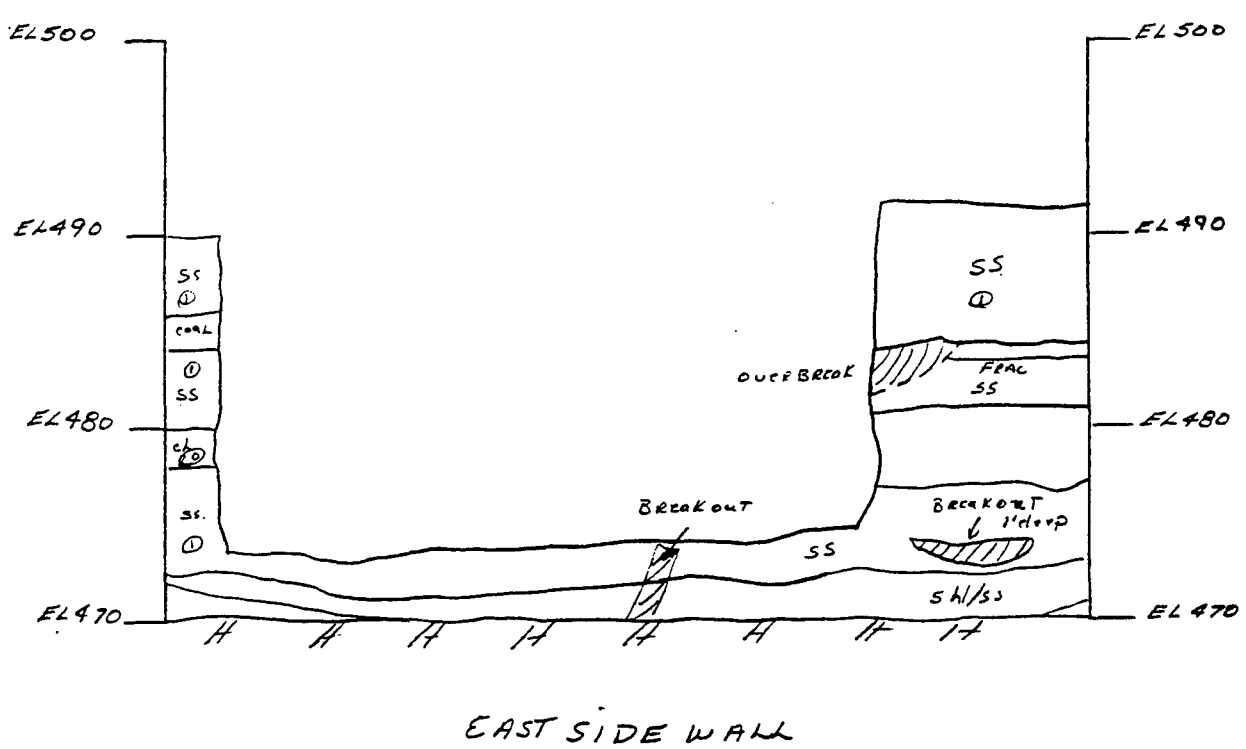
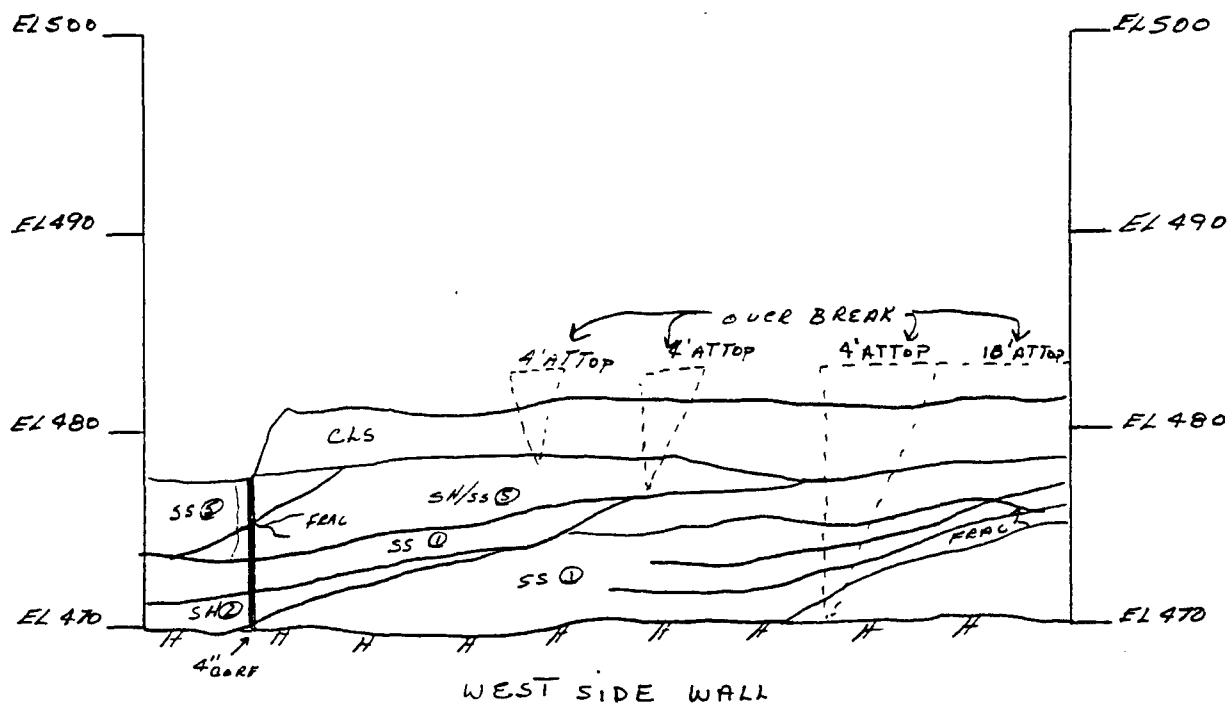


U.S. Army Corps of Engineers
 Gallipolis Lock and Dam
 Lock in Canal
 Foundation Drawing
 Middle Wall Monolith 11



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 12

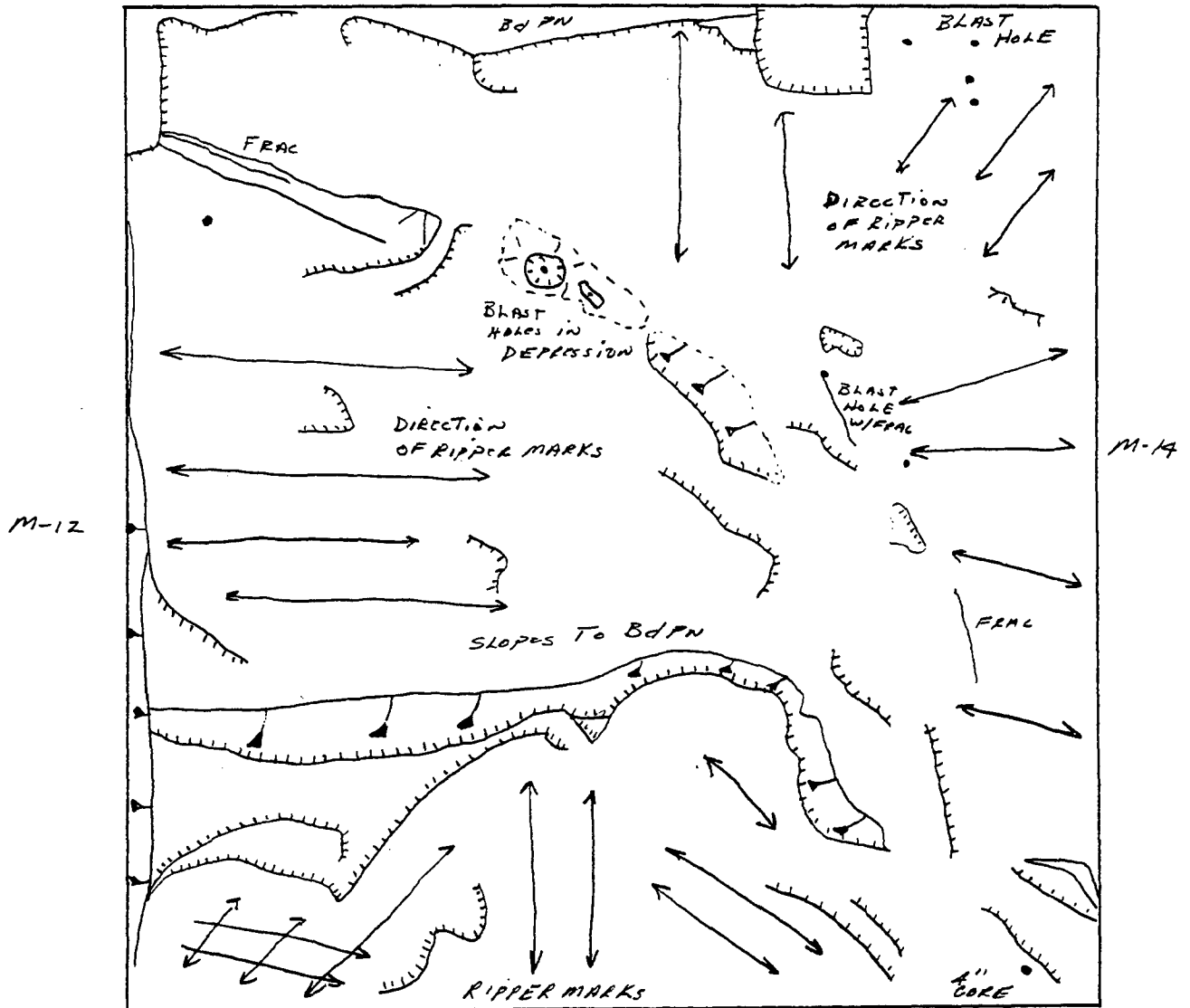


U.S. Army Corps of Engineers

Gallipolis Lock and Dam
 Lock in Canal
 Foundation drawing
 Middle Wall Monolith 12

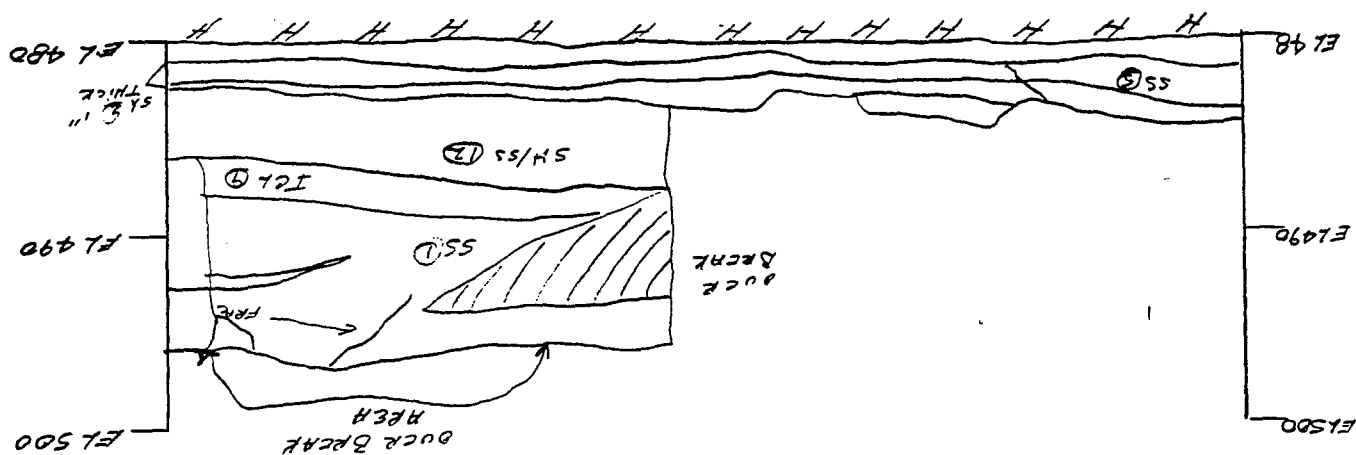
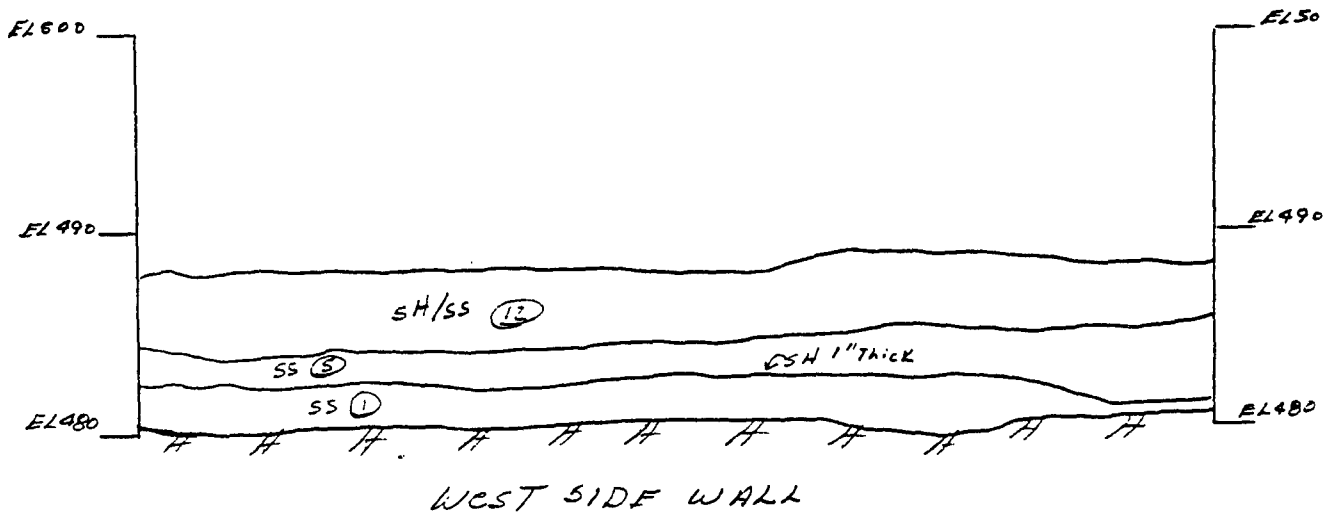
STA 10+05.8

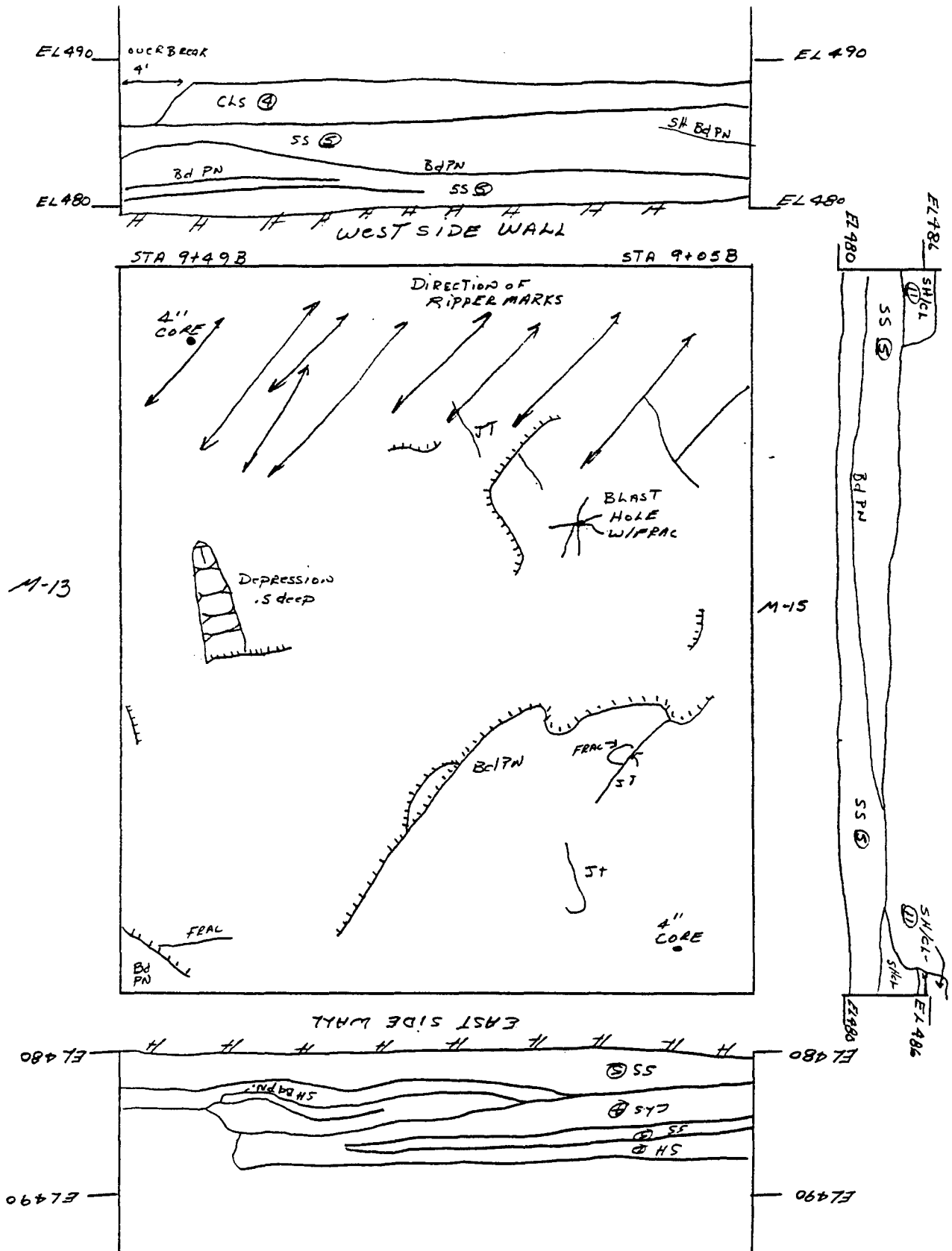
STA 9+49.8



U.S. Army Corps of Engineers

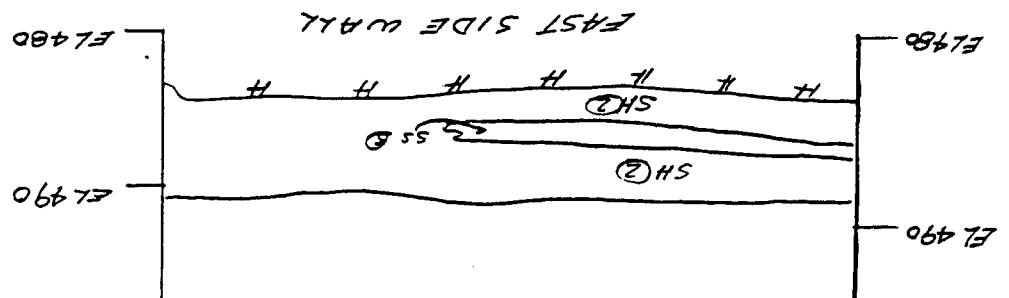
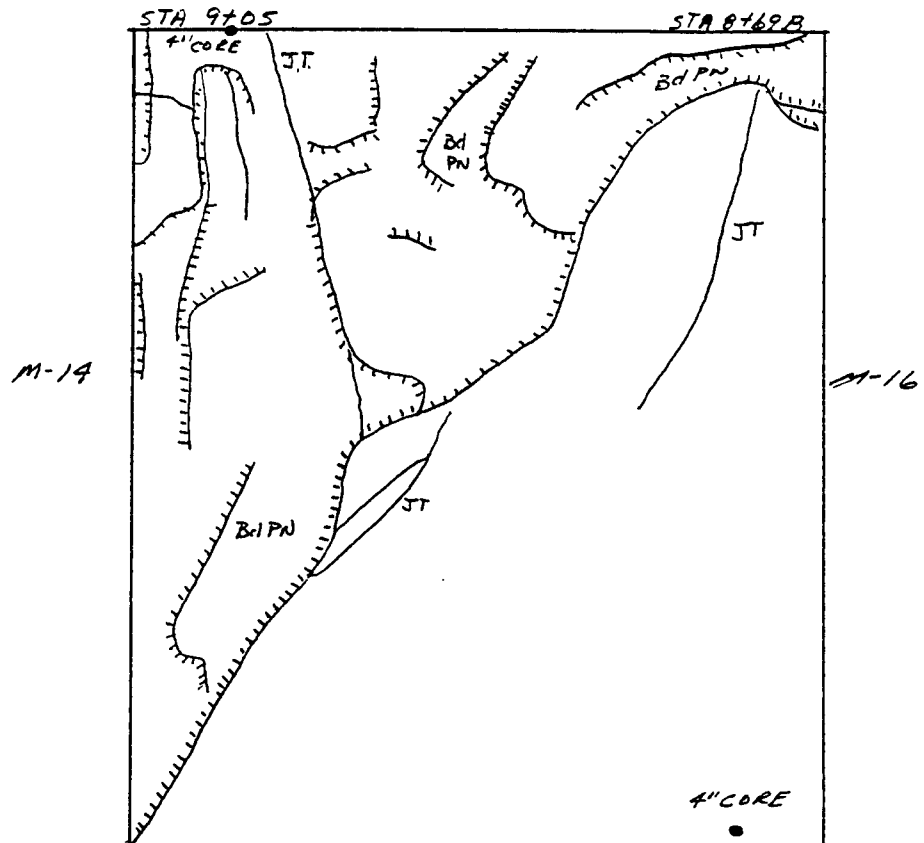
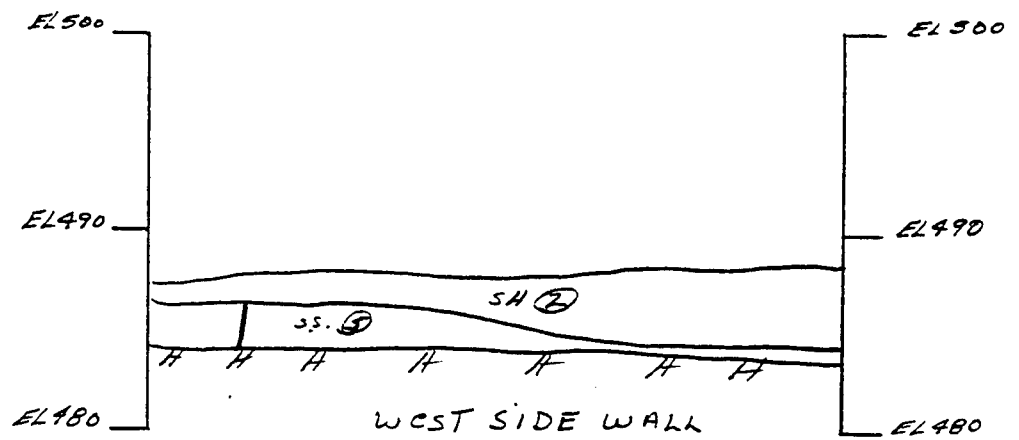
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Wall Monolith 13





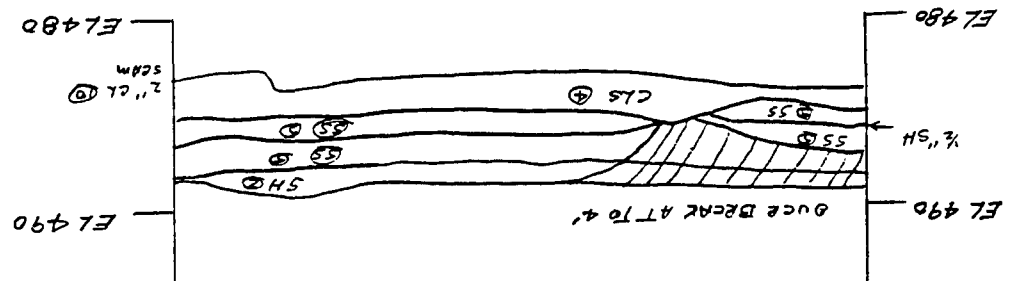
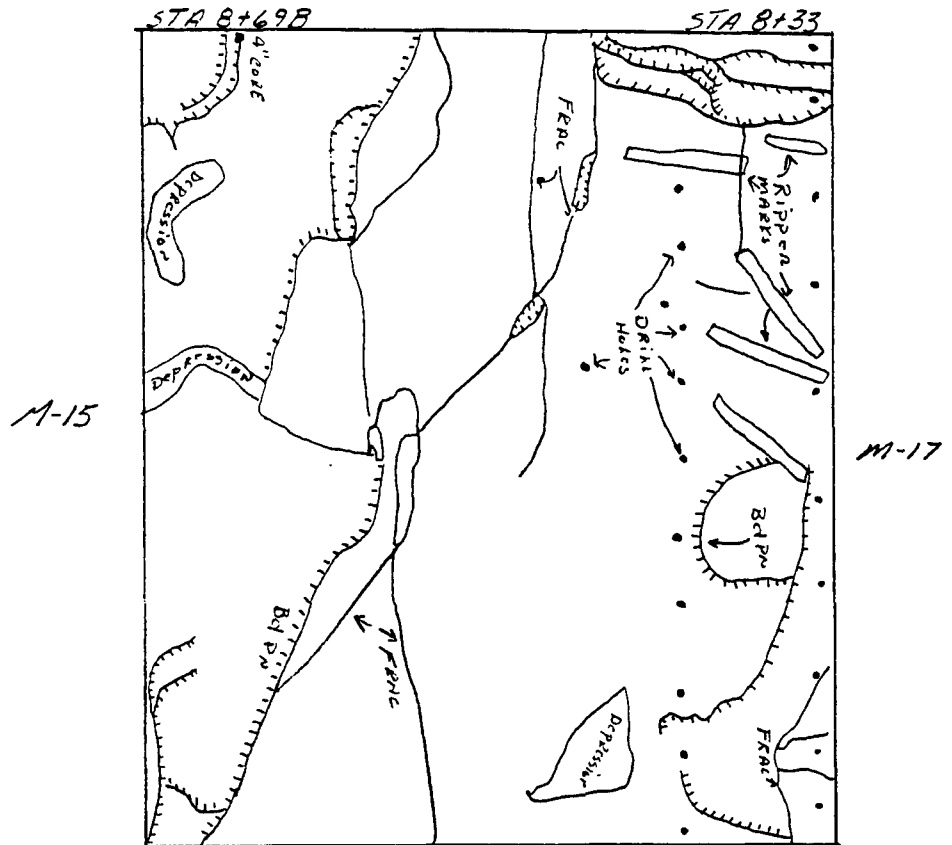
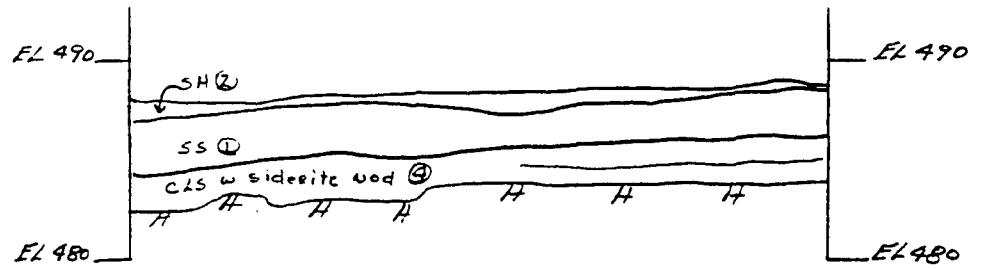
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 14



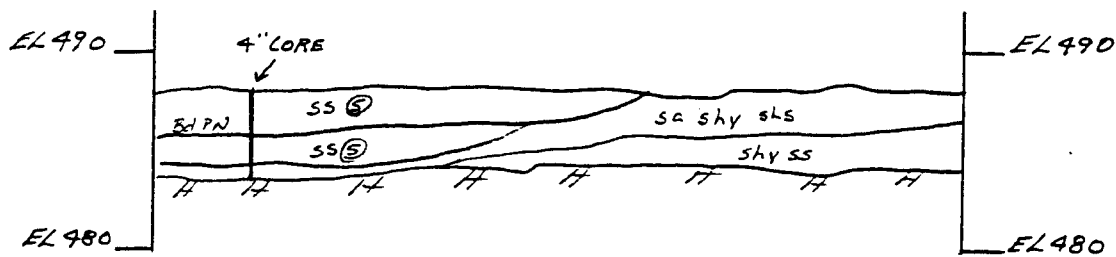
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Wall Monolith 15



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 16



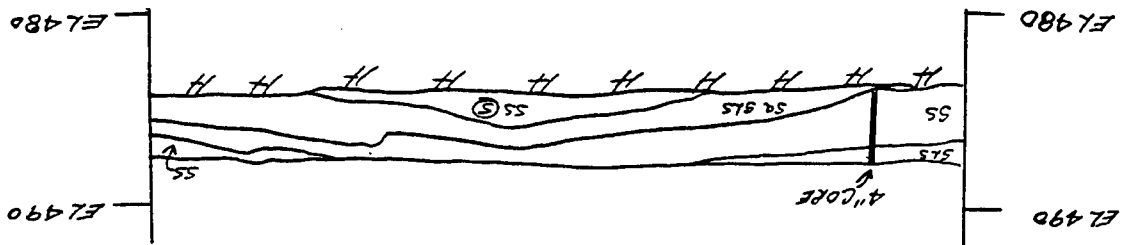
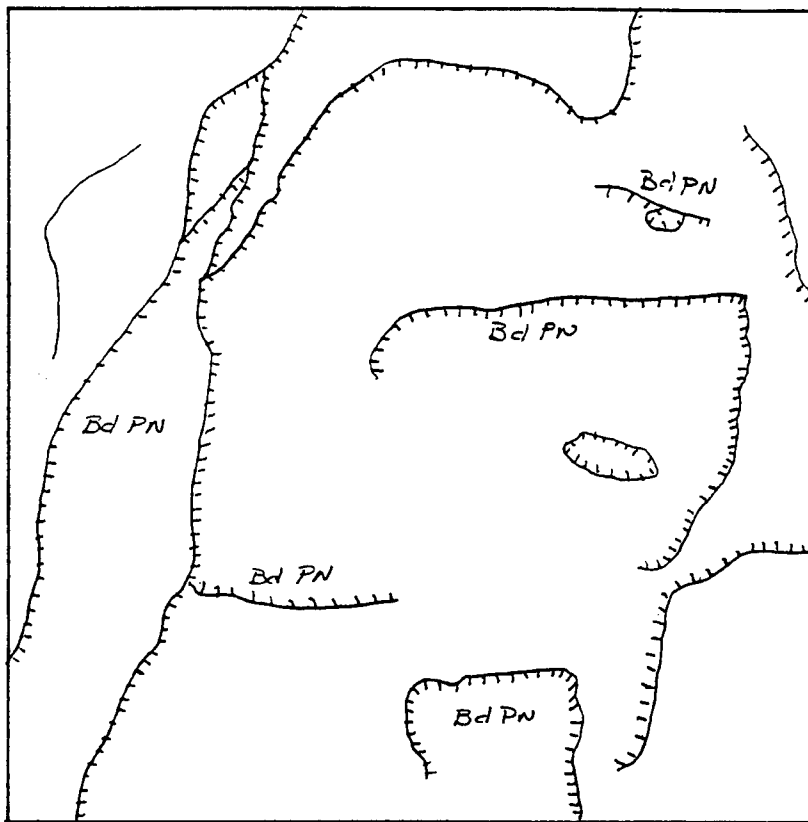
WEST SIDE WALL

STA 8+33.8

STA 71+91.8

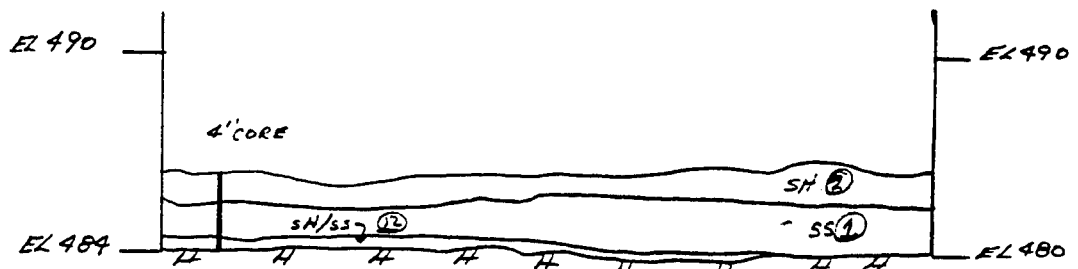
M-16

M-18

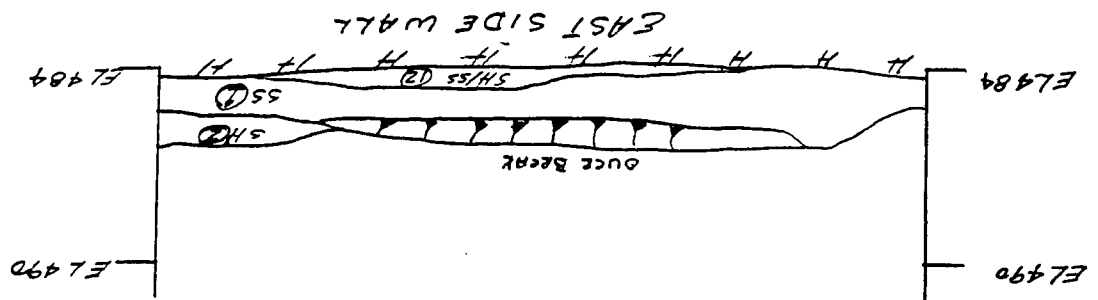
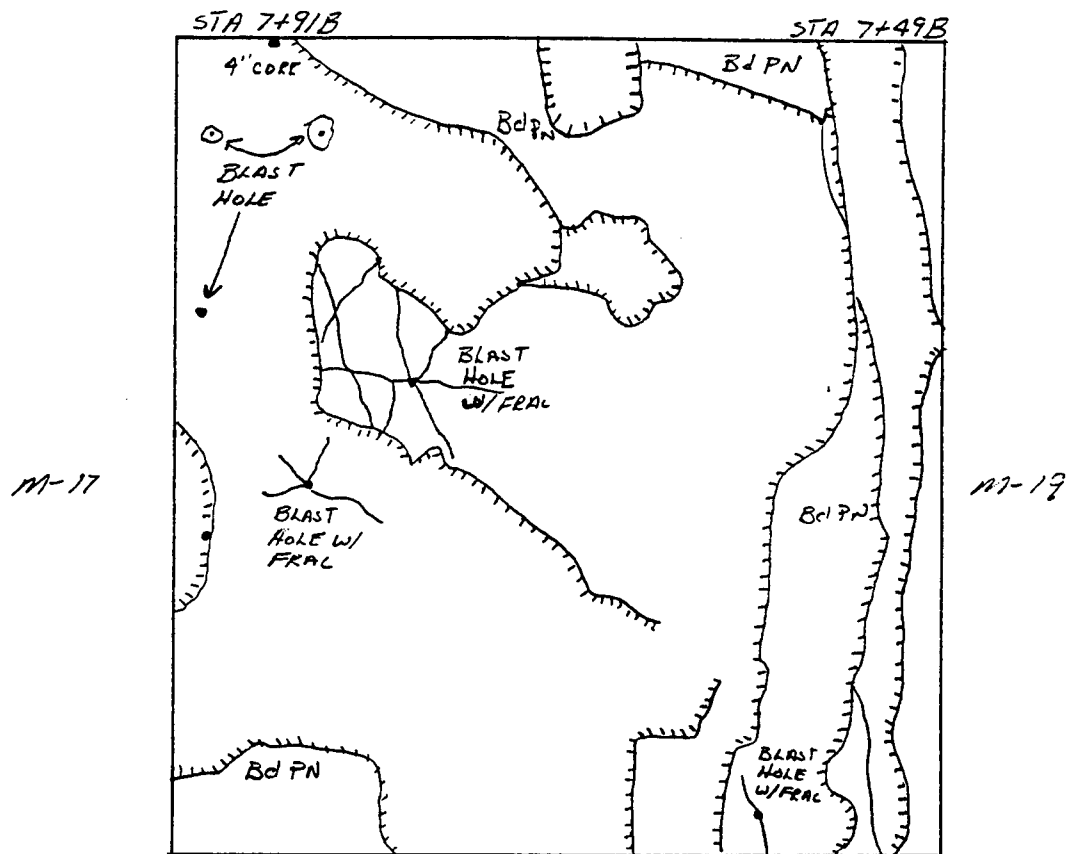


U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Wall Monolith 17



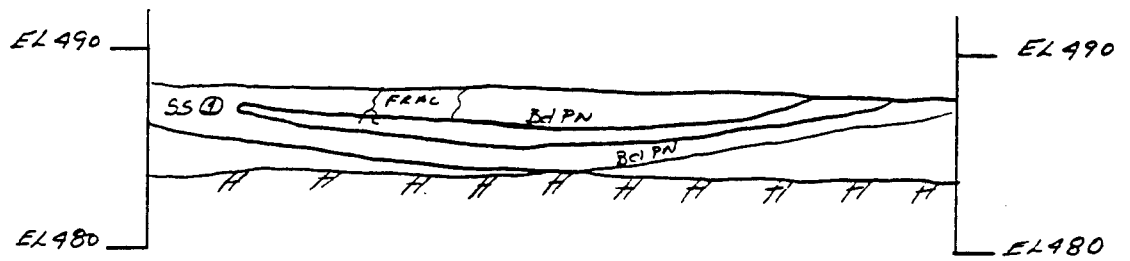
WEST SIDE WALL



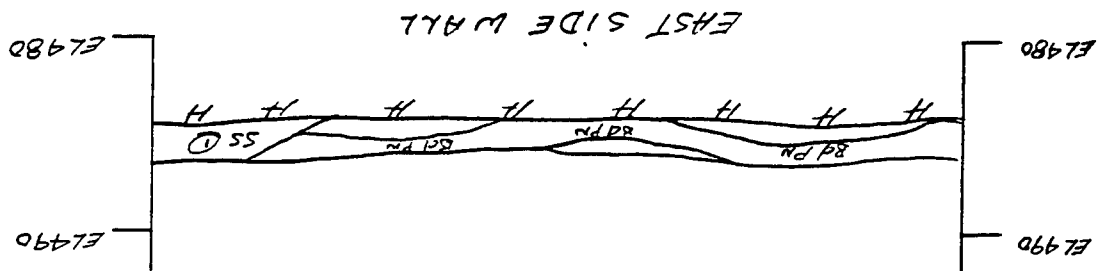
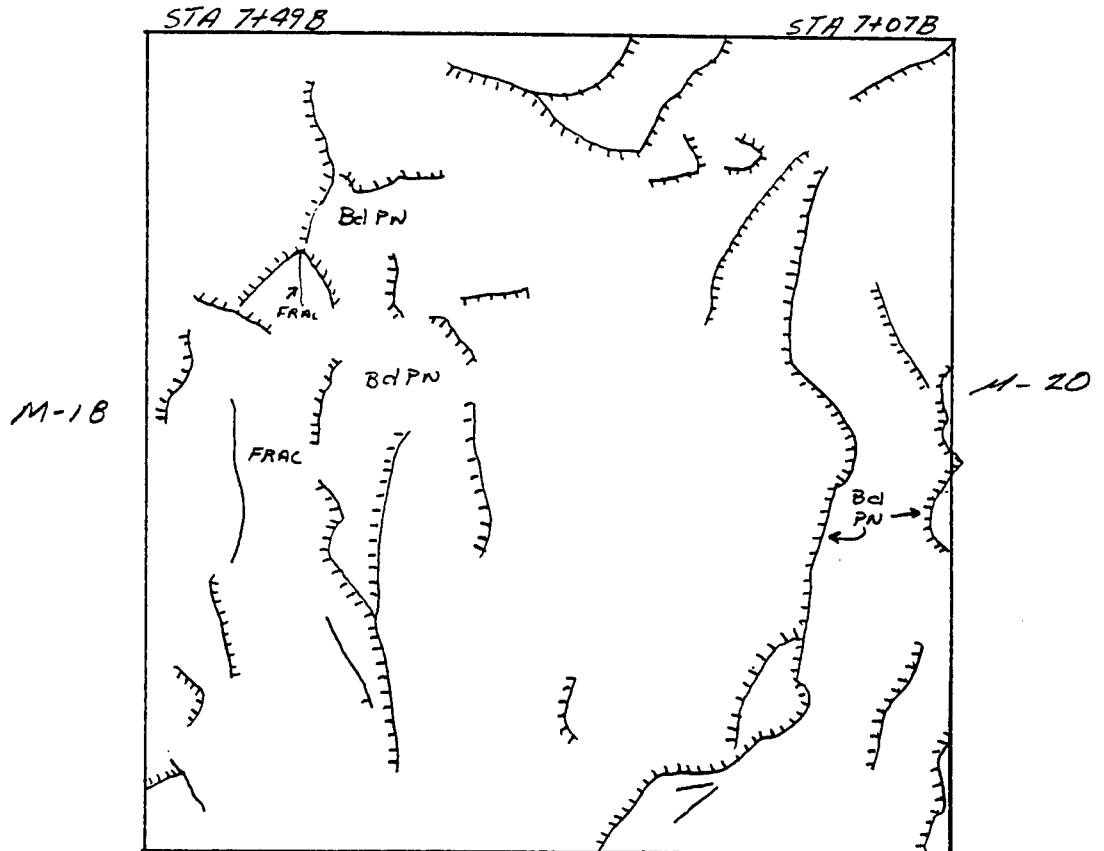
EAST SIDE WALL

U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 18



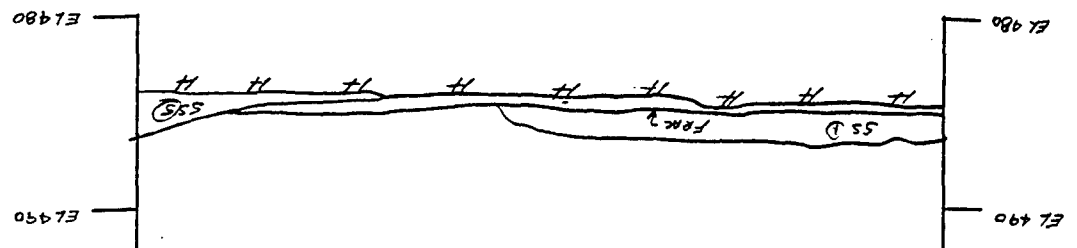
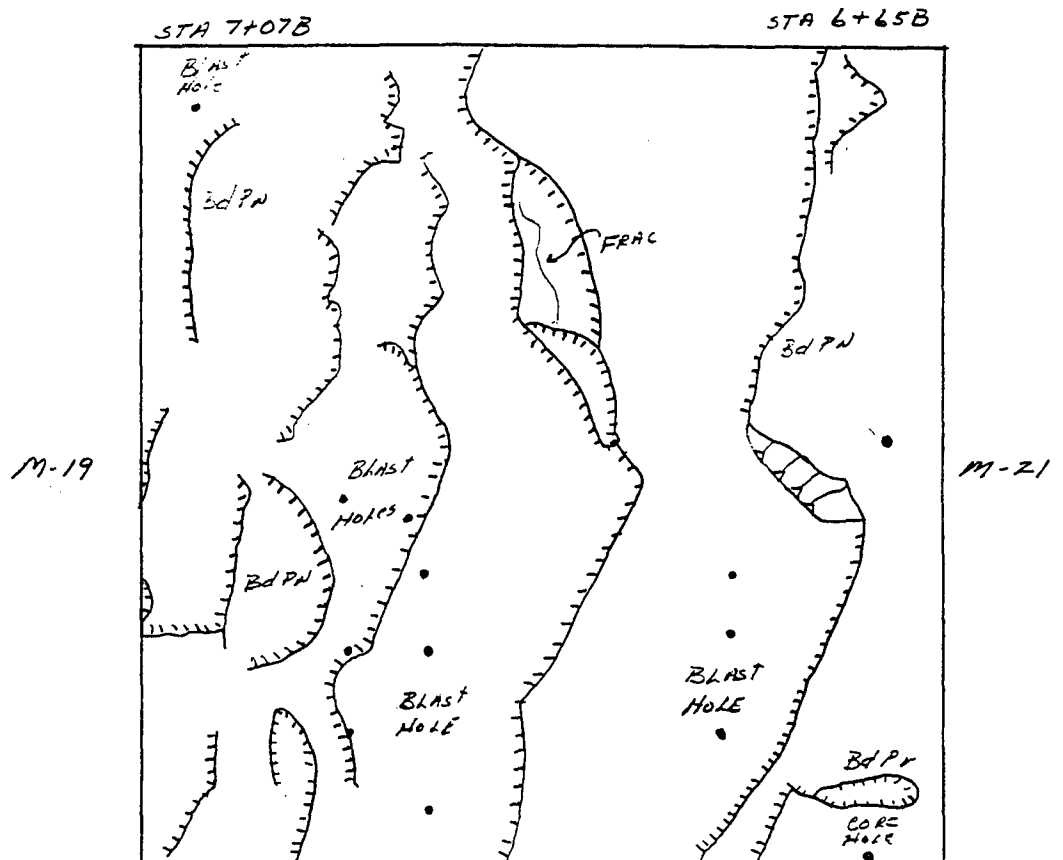
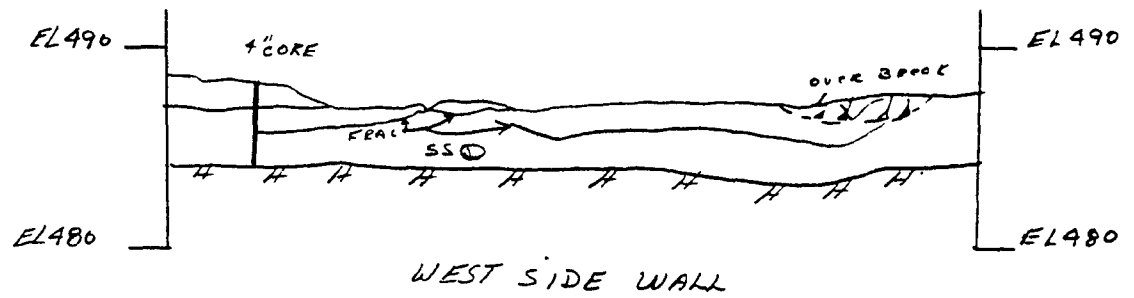
WEST SIDE WALL



EAST SIDE WALL

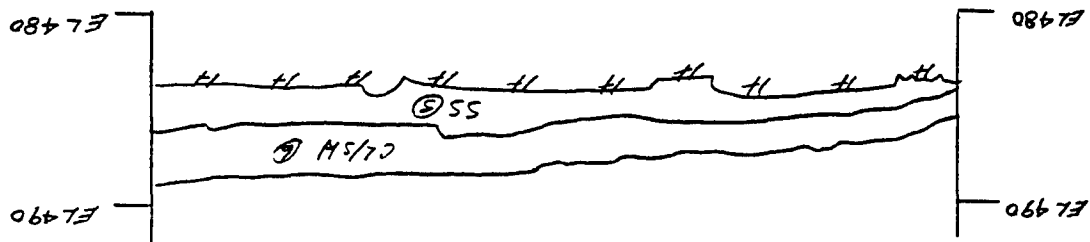
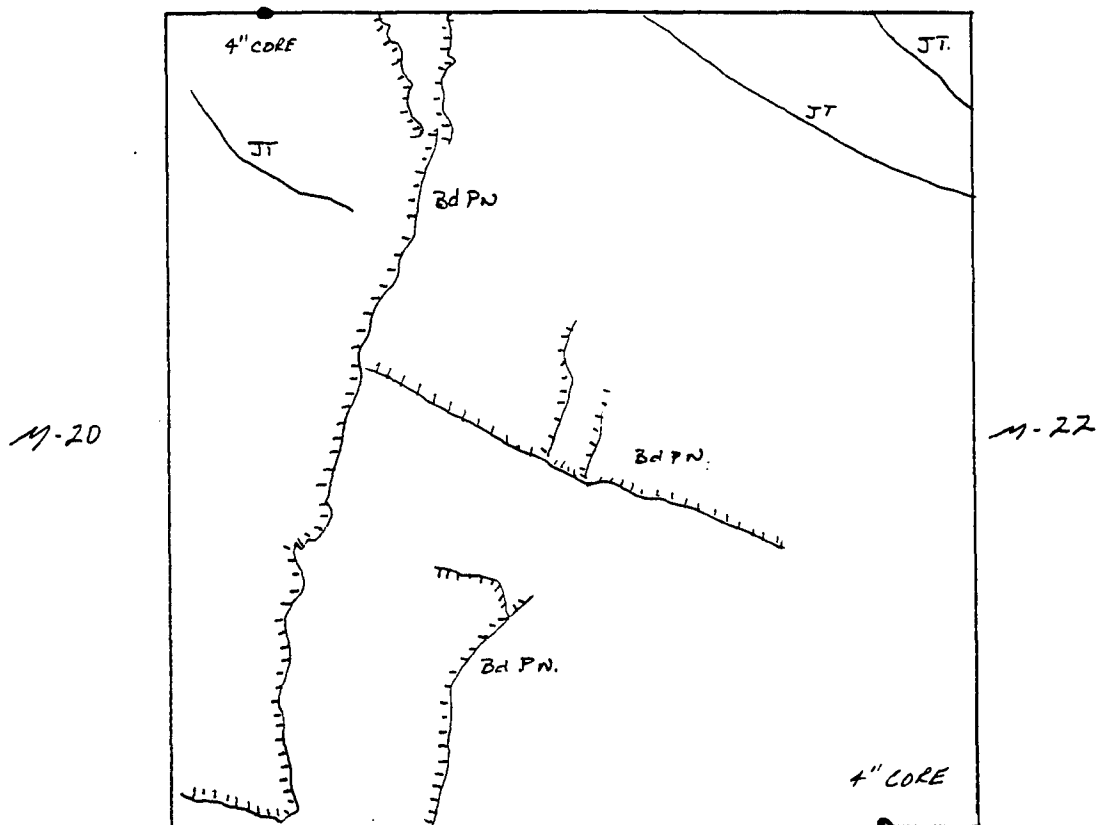
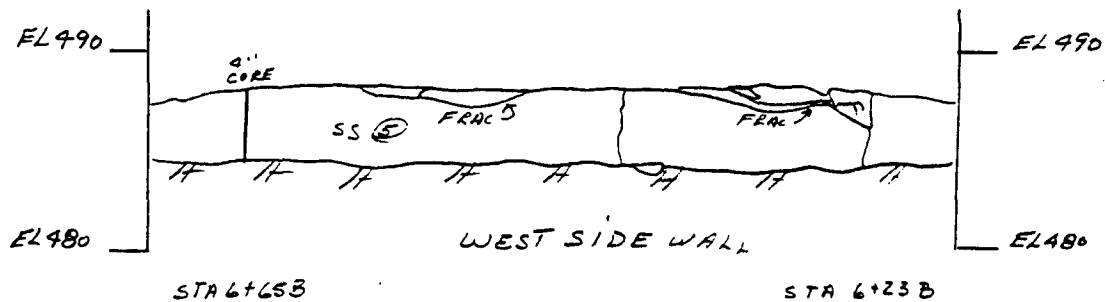
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Wall Monolith 19



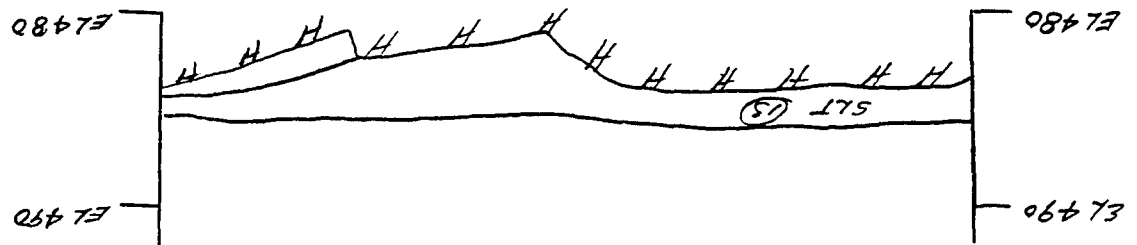
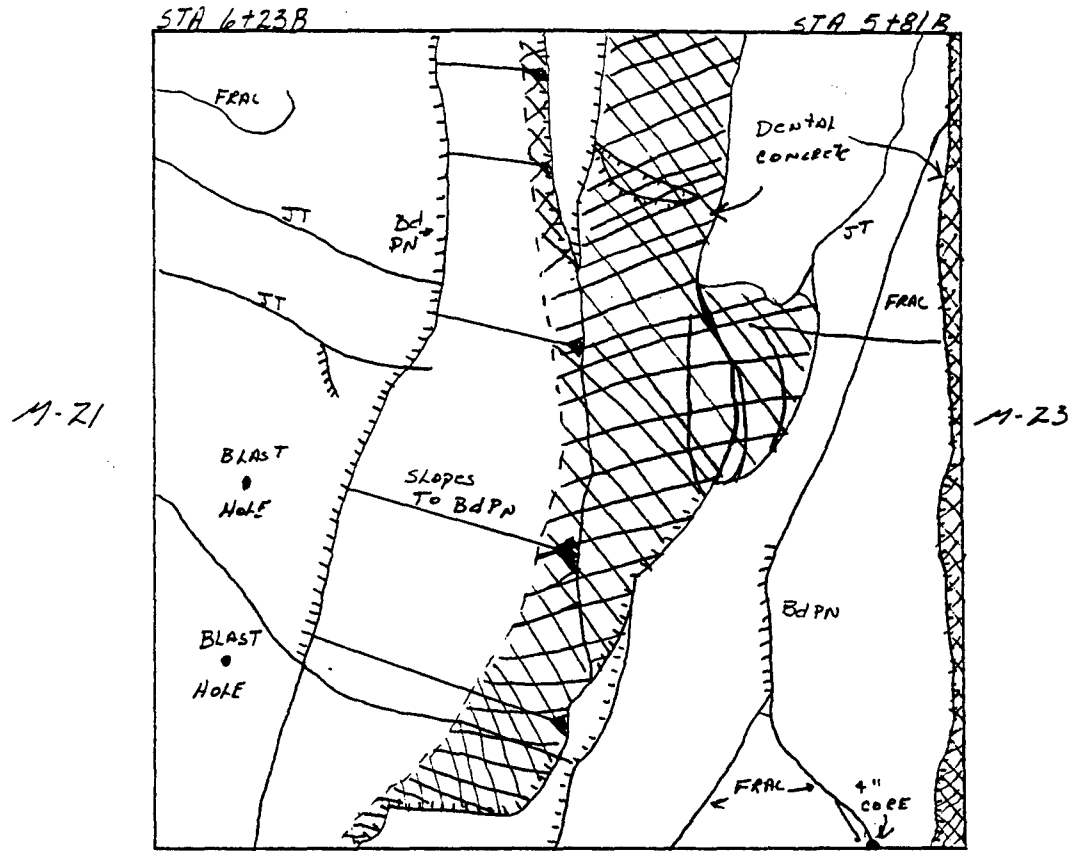
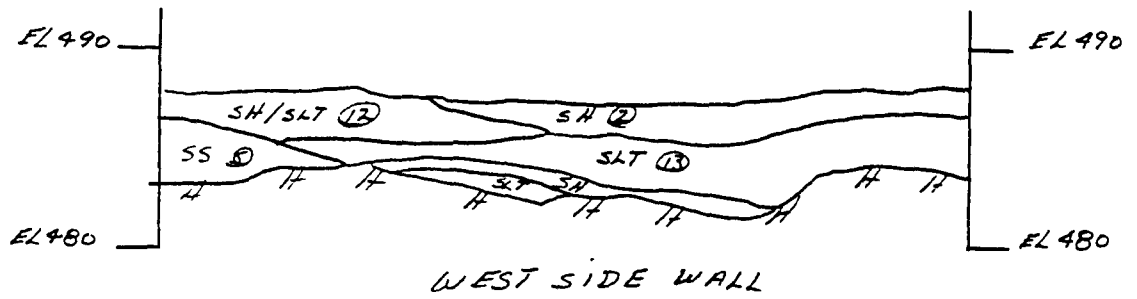
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 20



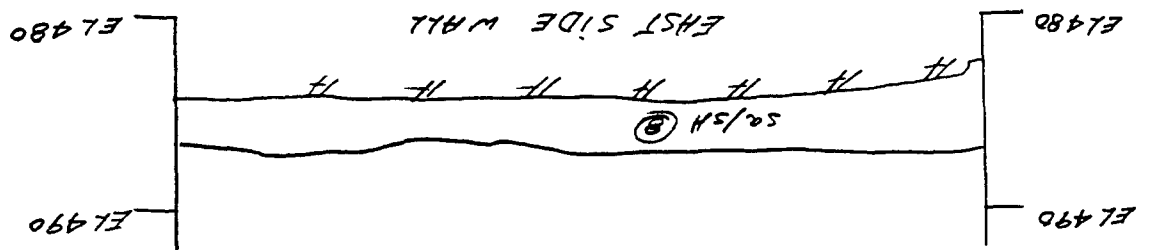
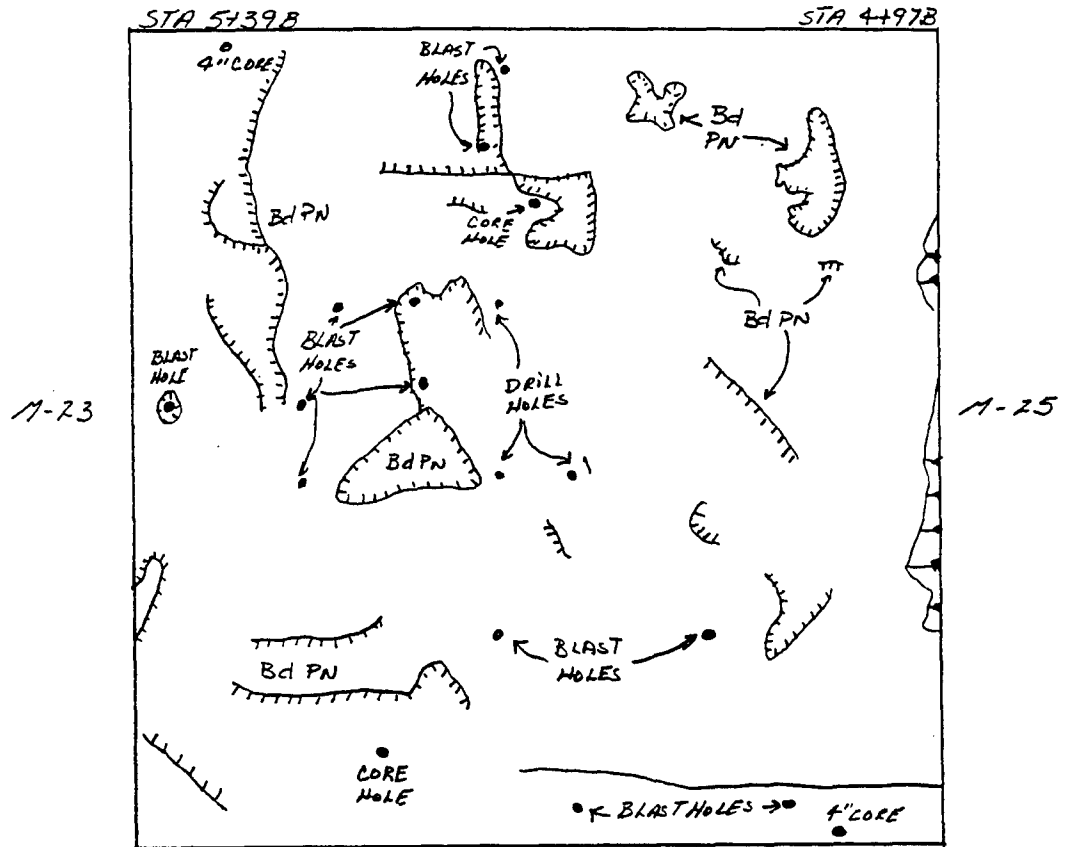
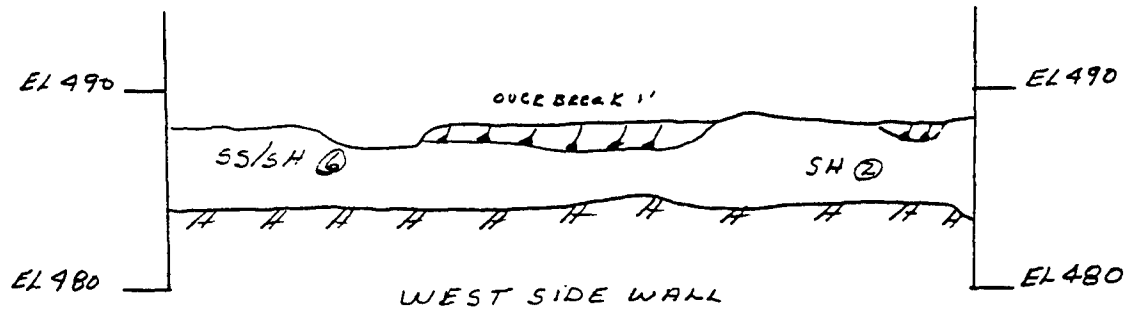
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Wall Monolith 21



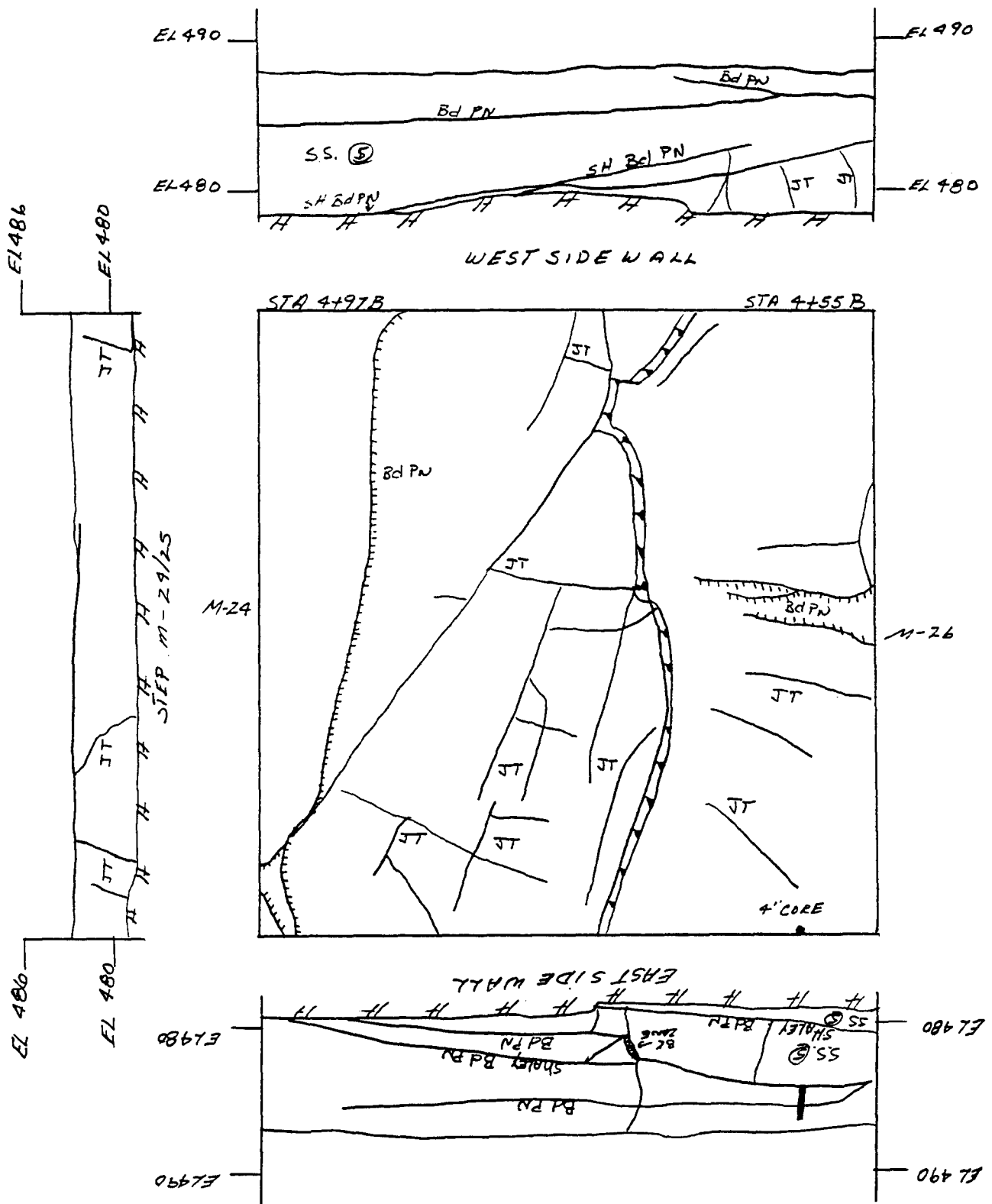
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 22



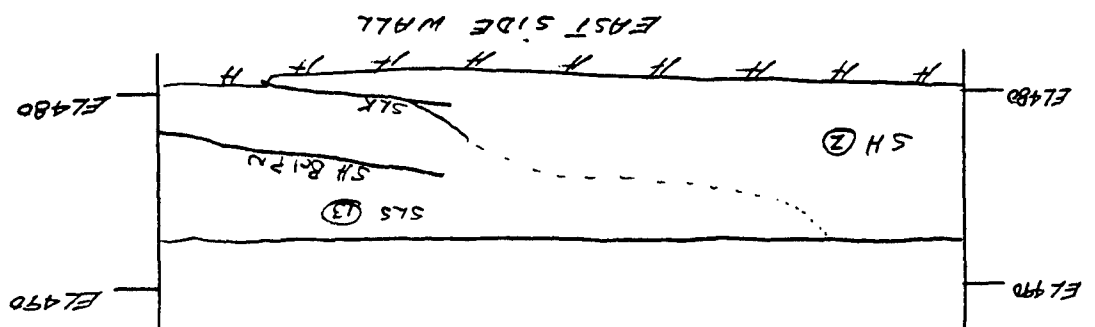
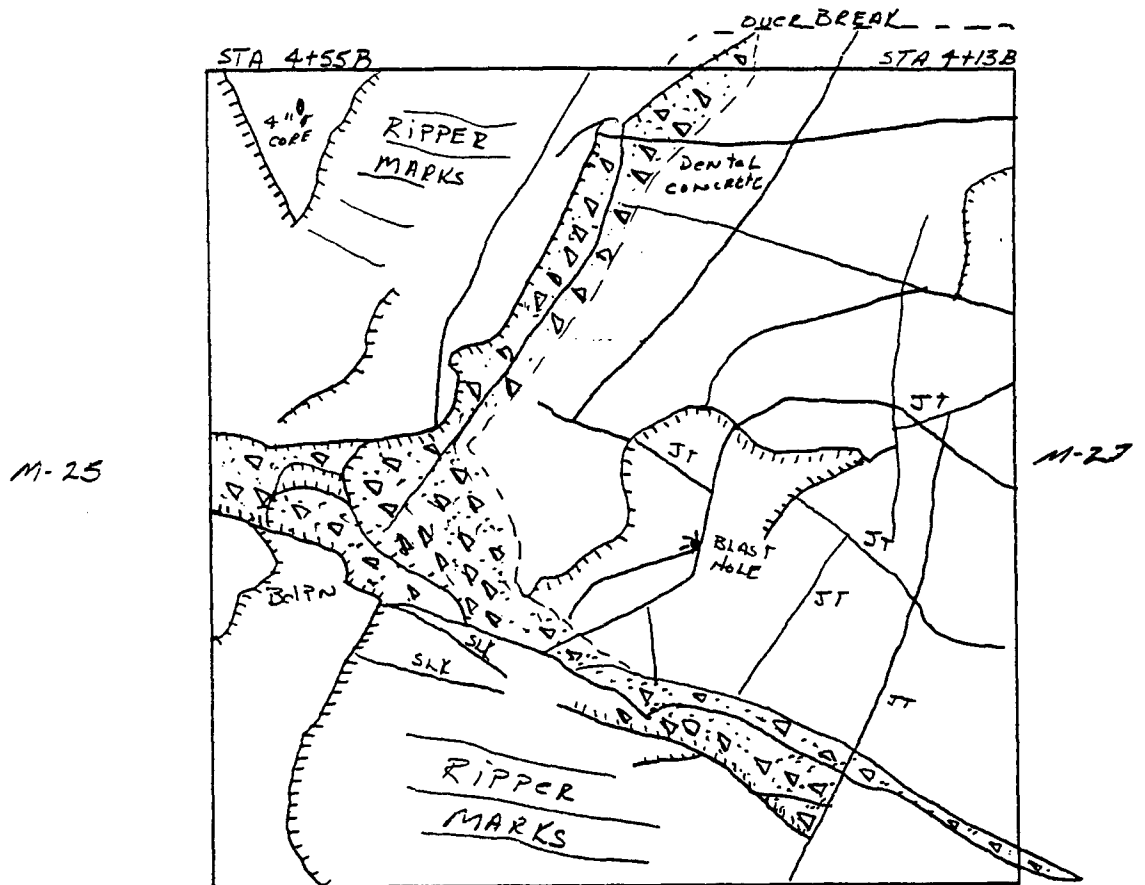
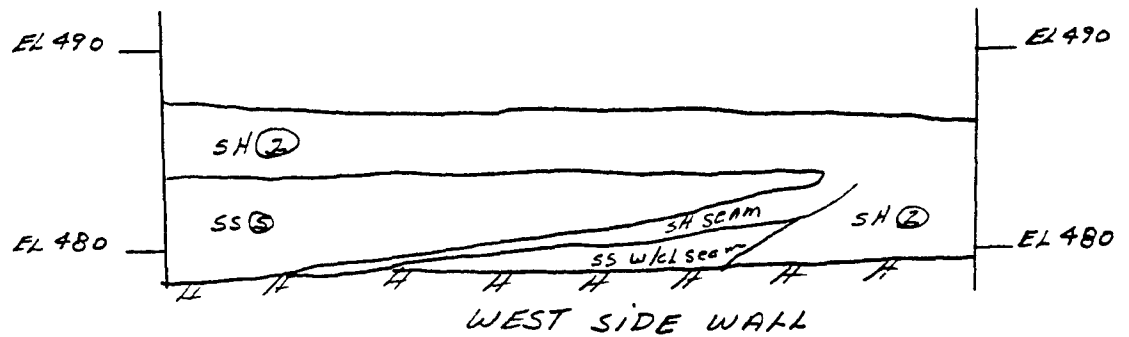
U. S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 24



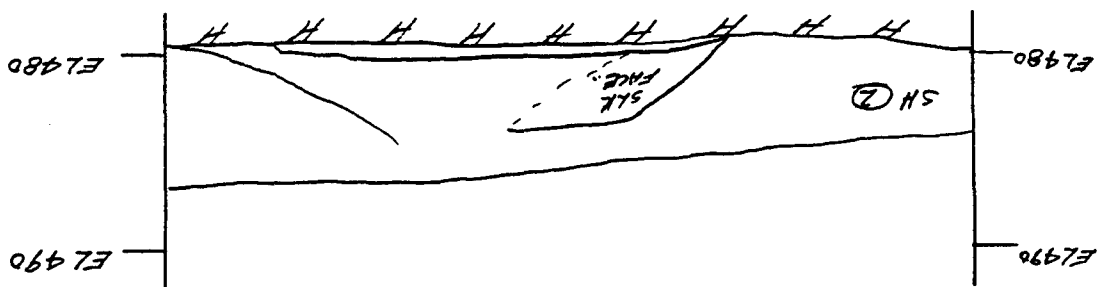
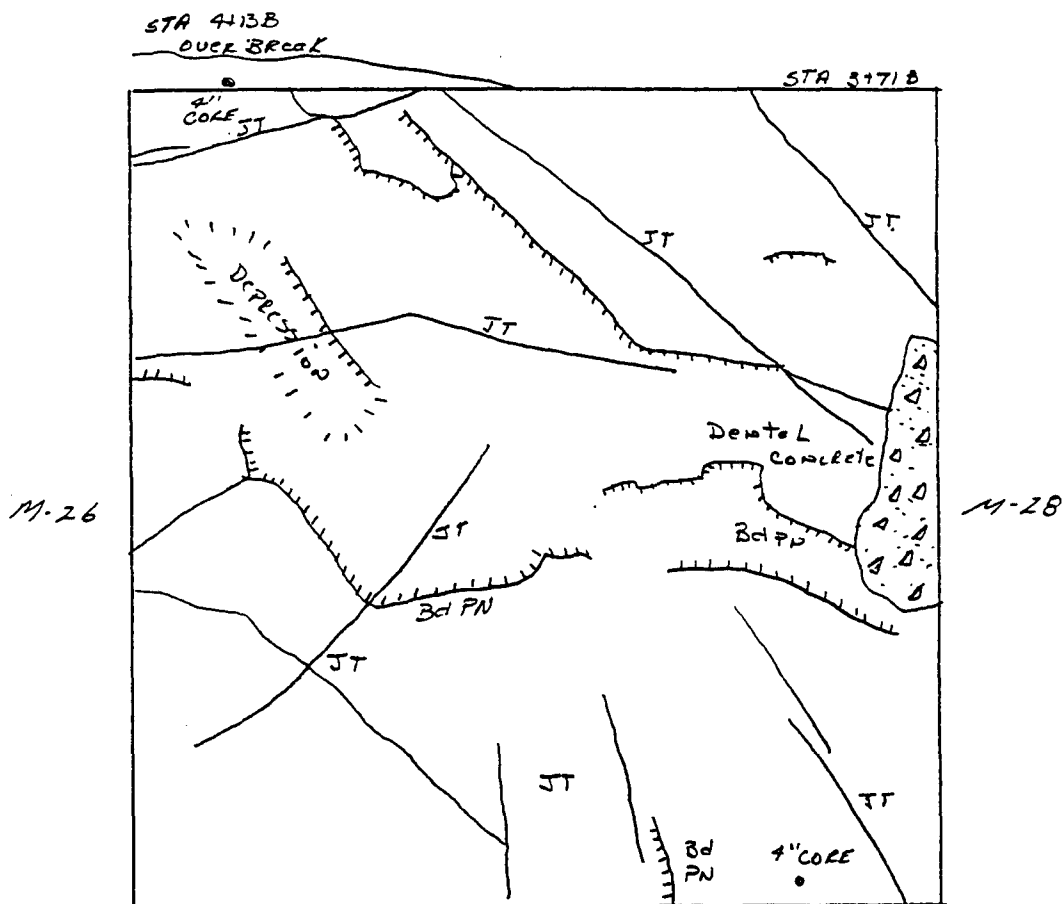
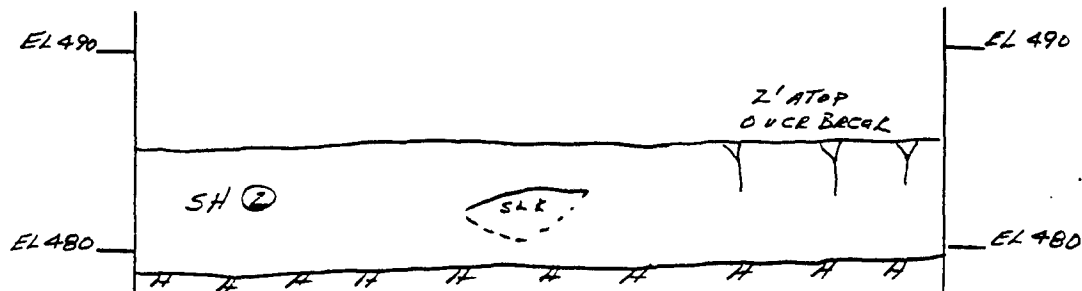
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Wall Monolith 25



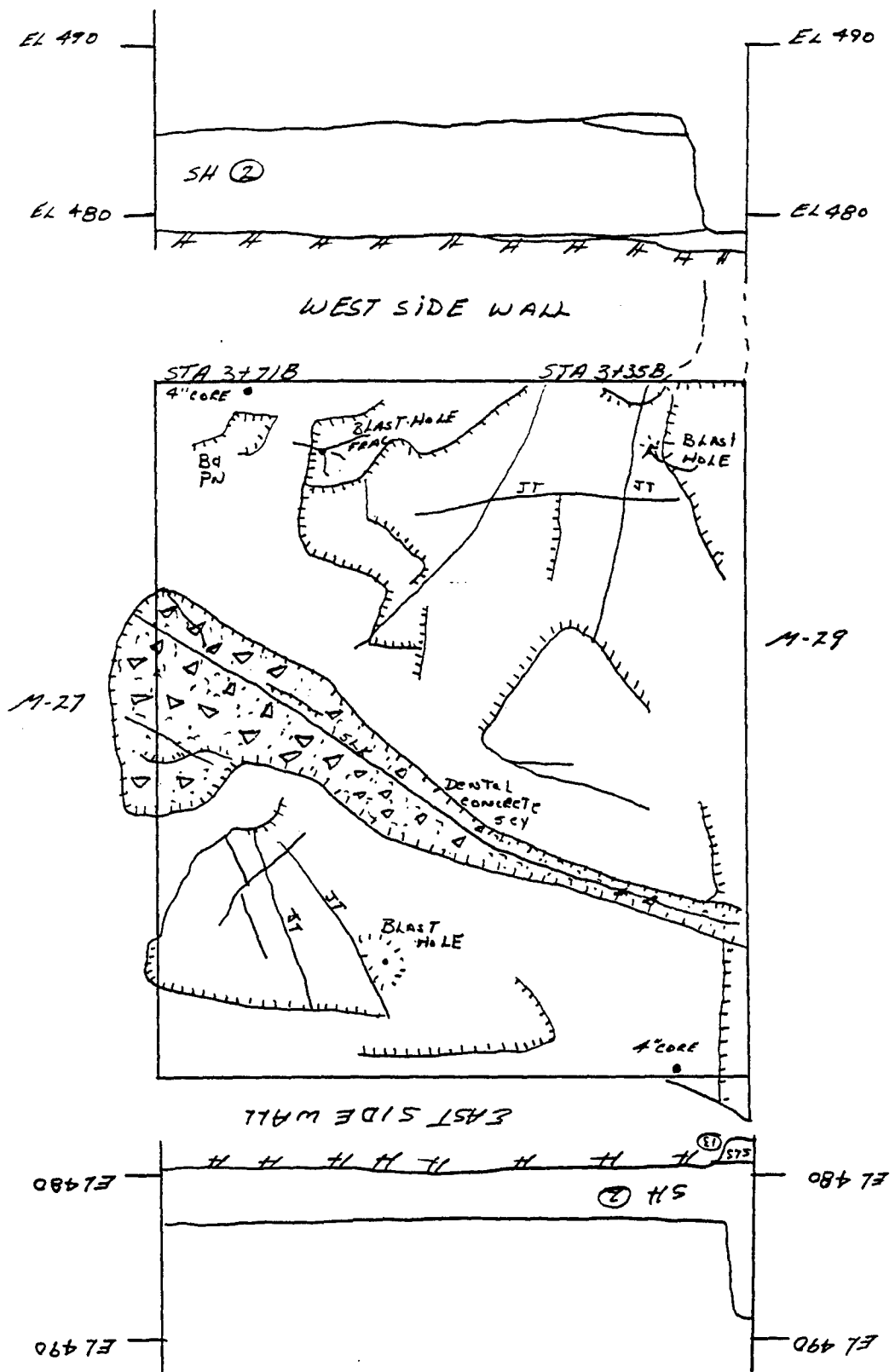
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 26



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Wall Monolith 27



U.S. Army Corps of Engineers

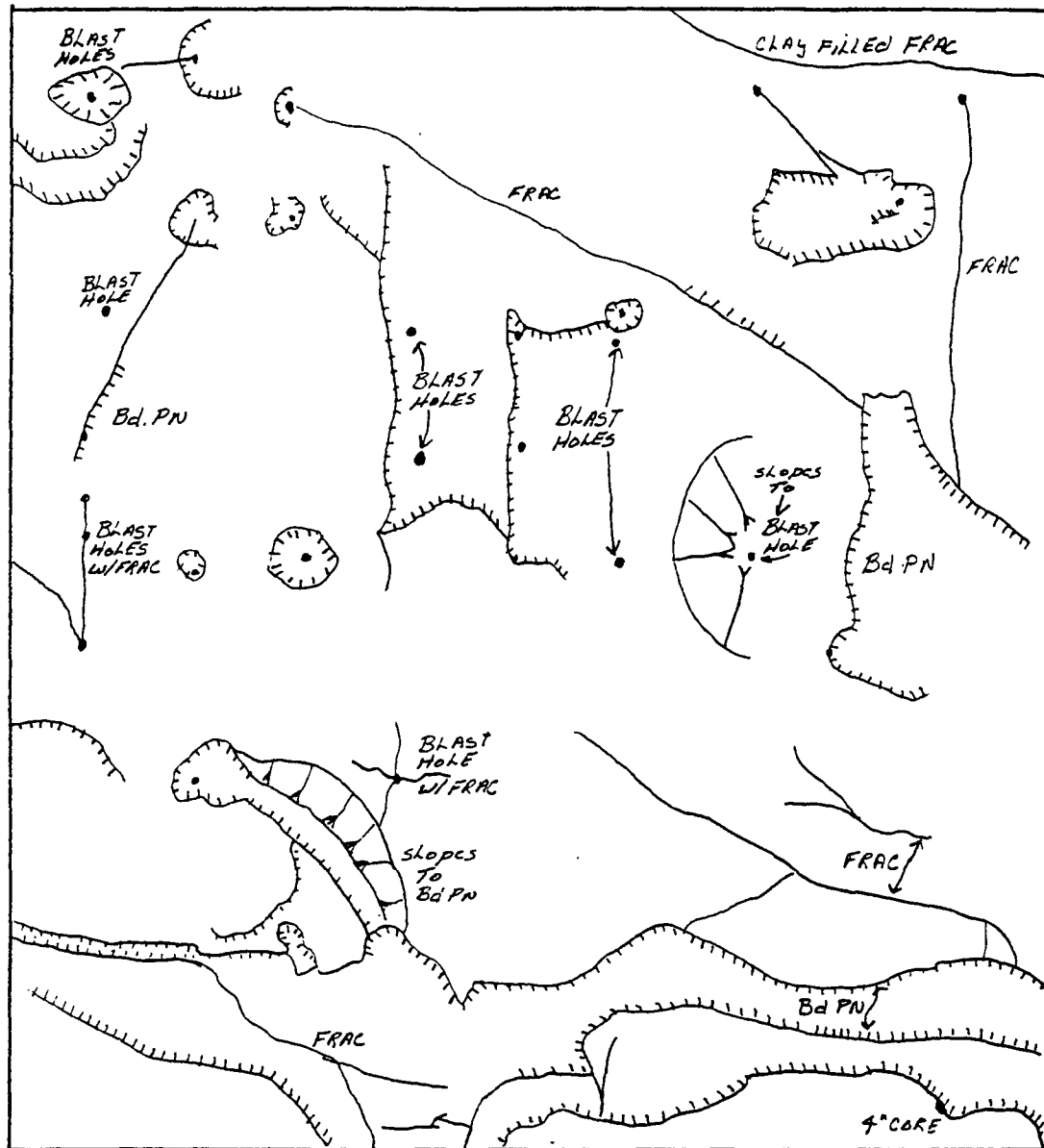
Gallipolis Lock and Dam
 Lock in Canal
 Foundation drawing
 Middle Wall Monolith 28

Sta 3+35B

Sta 2+79B

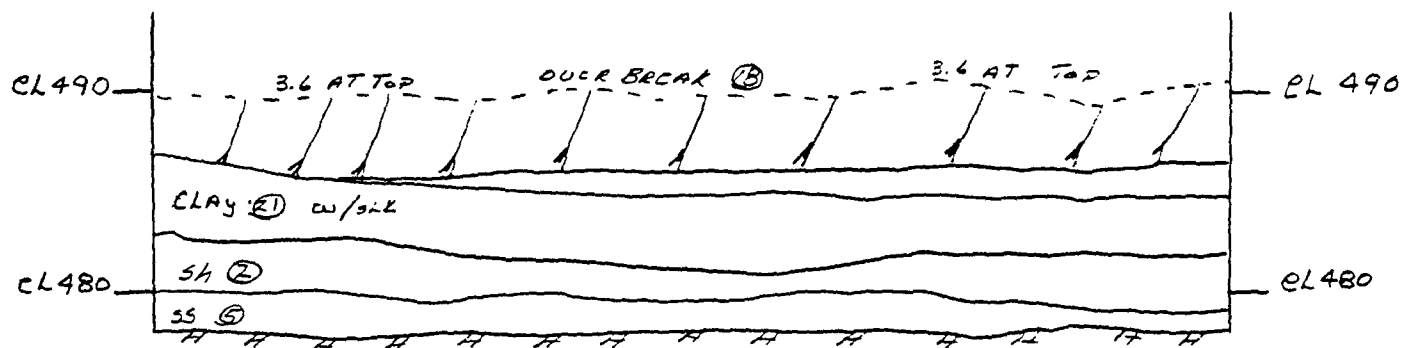
M-28

M-30

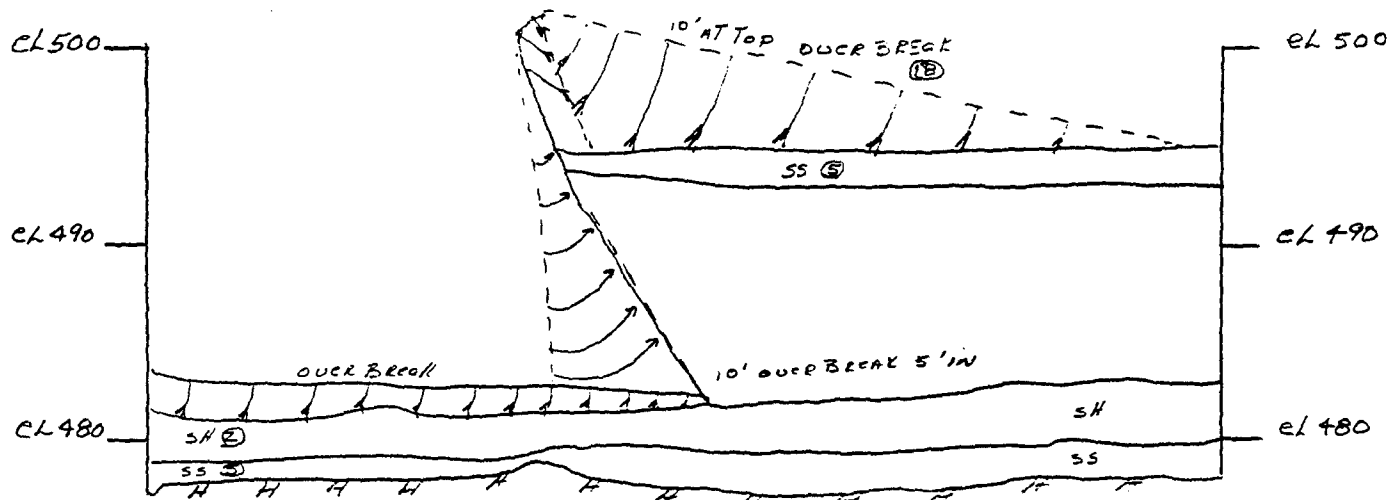


U.S. Army Corps of Engineers

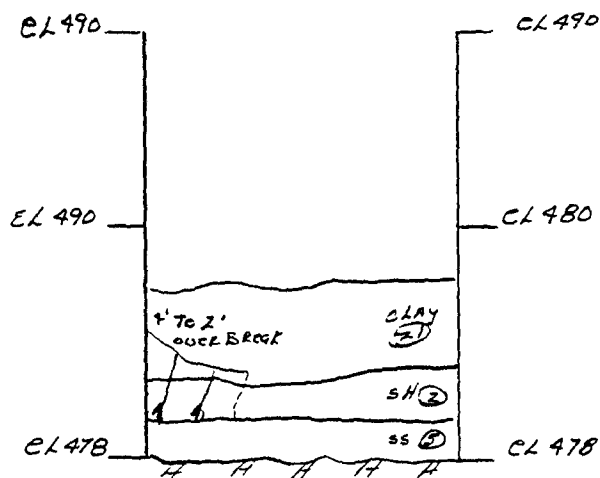
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Wall Monolith 29



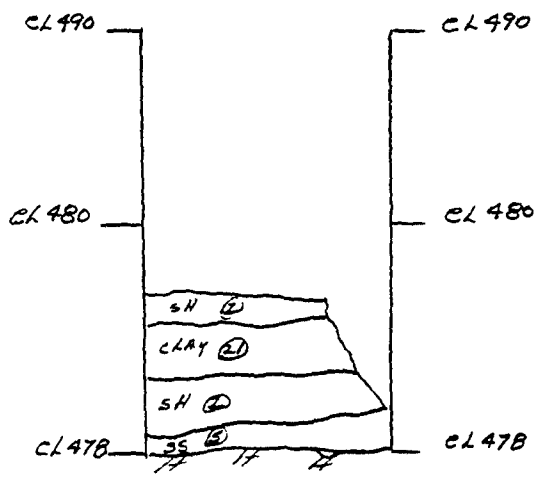
WEST WALL



EAST WALL



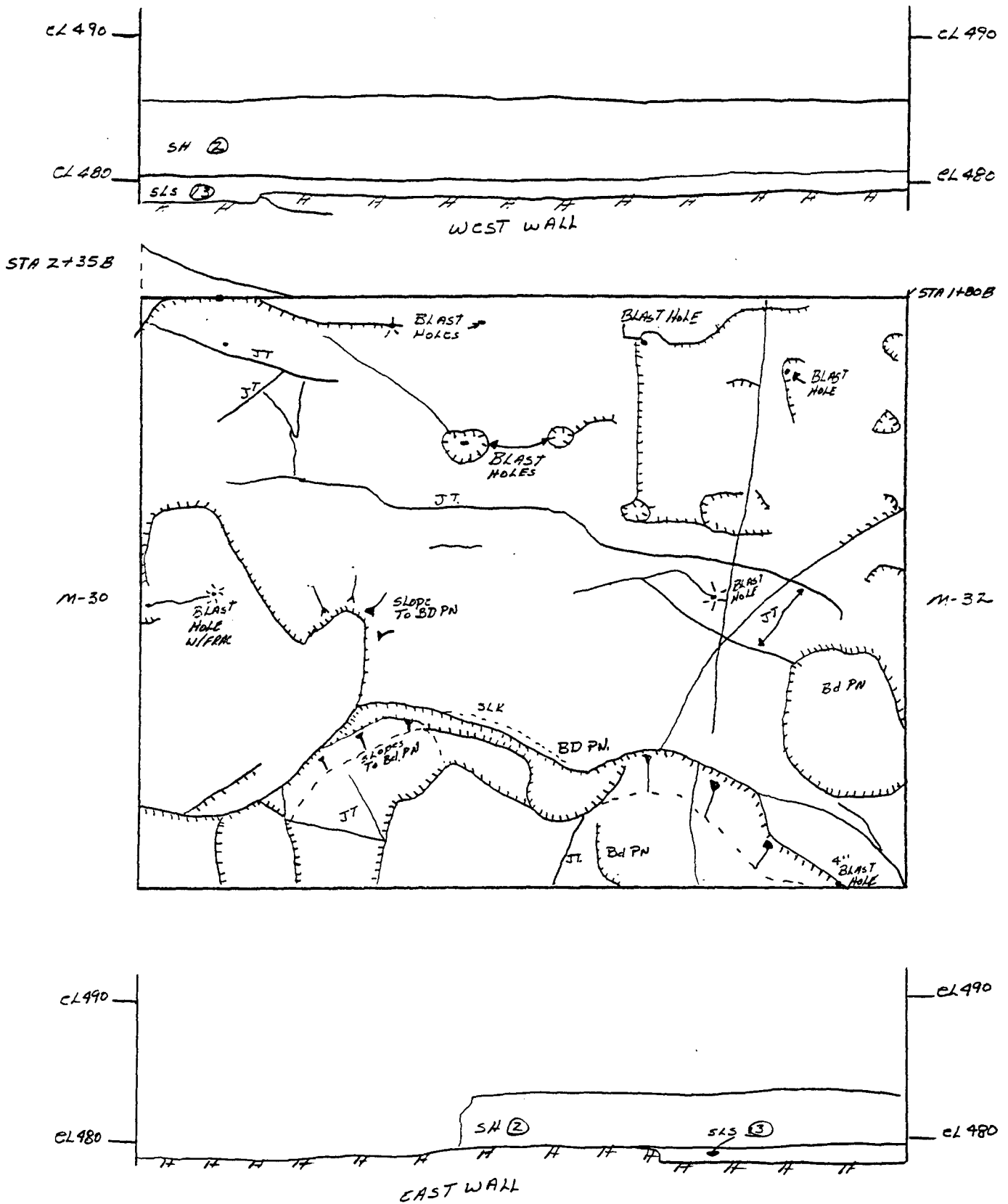
Offset M28/29



Offset M29/30

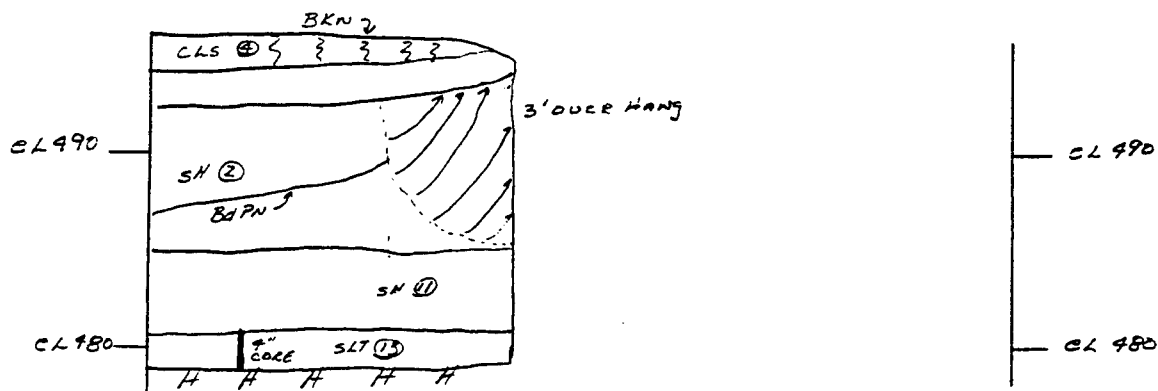
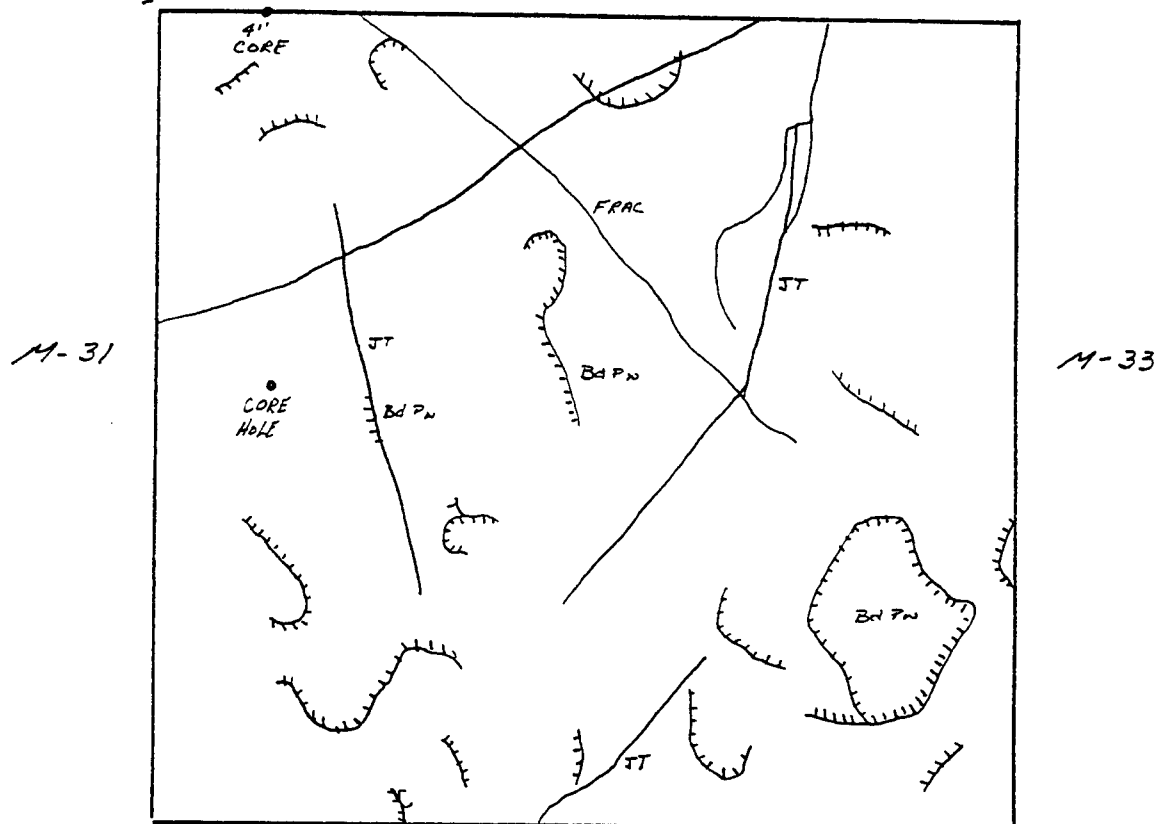
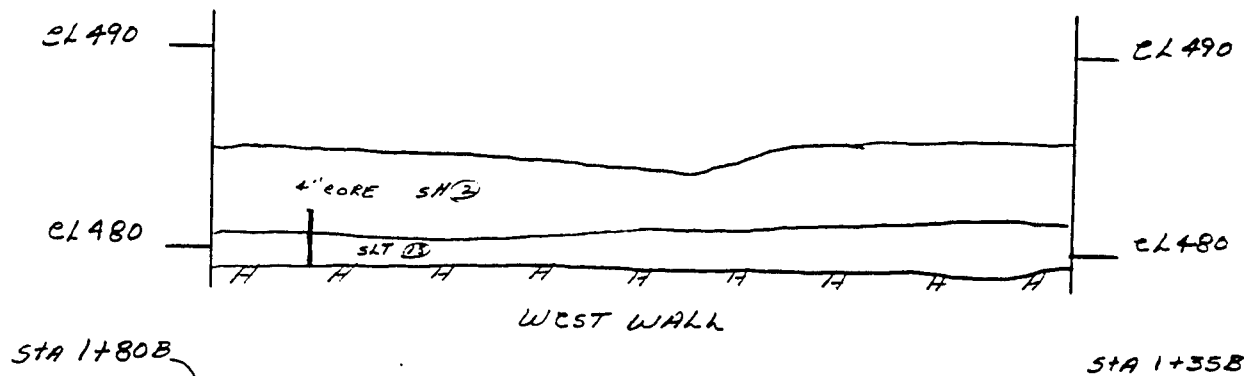
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Wall Monolith 29



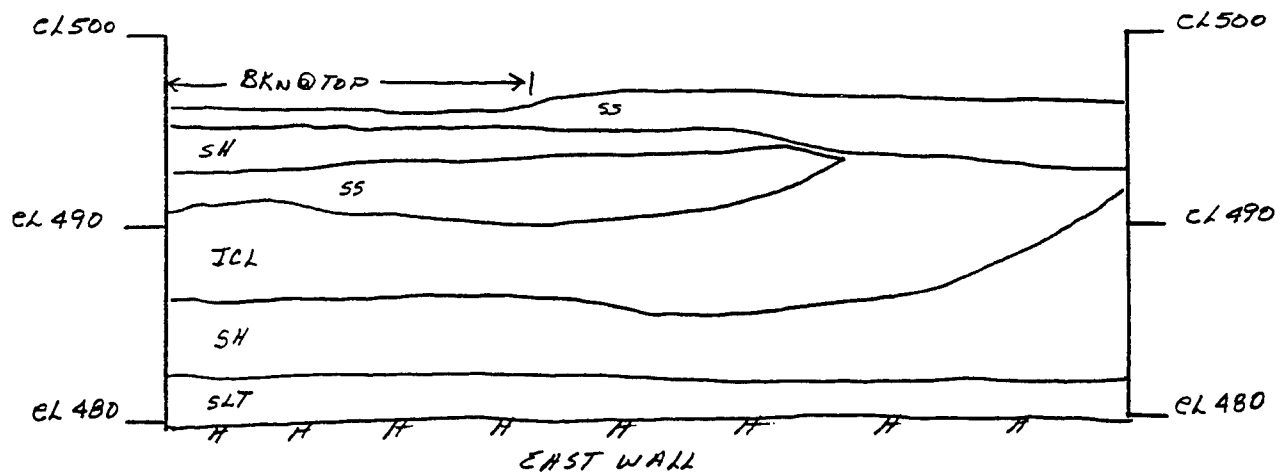
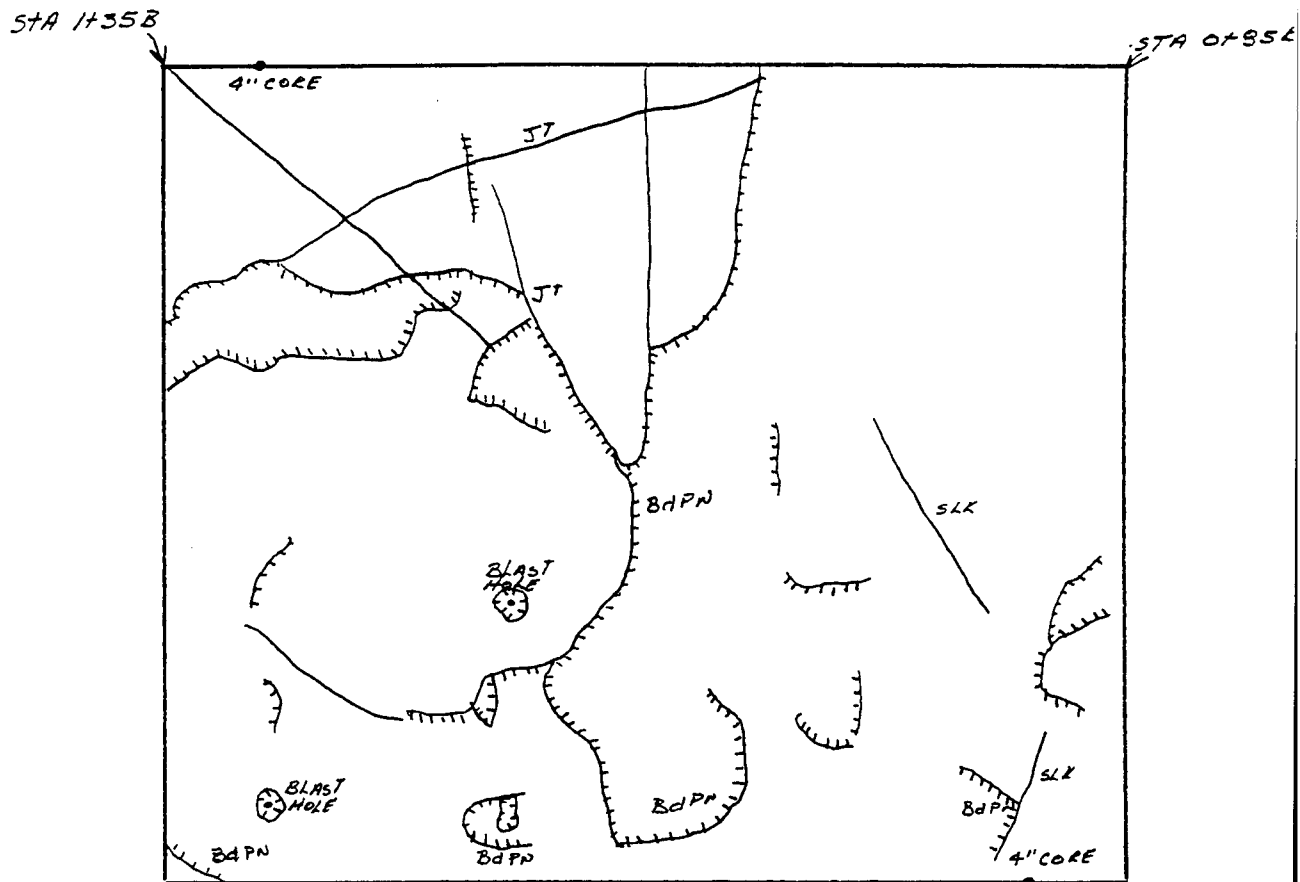
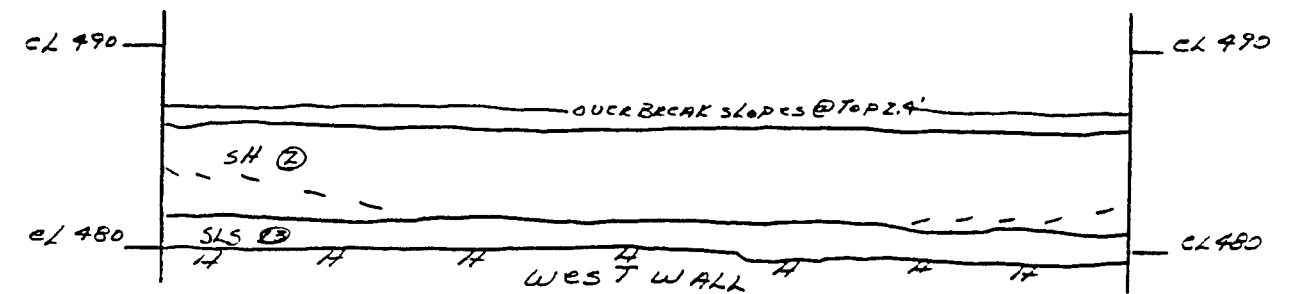
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Wall Monolith 31



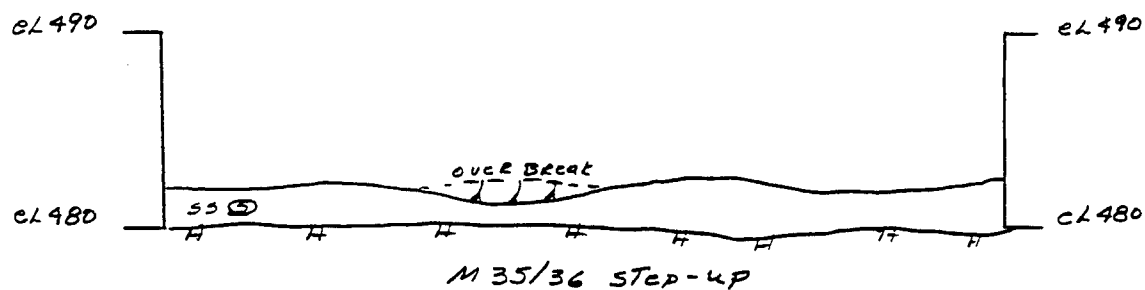
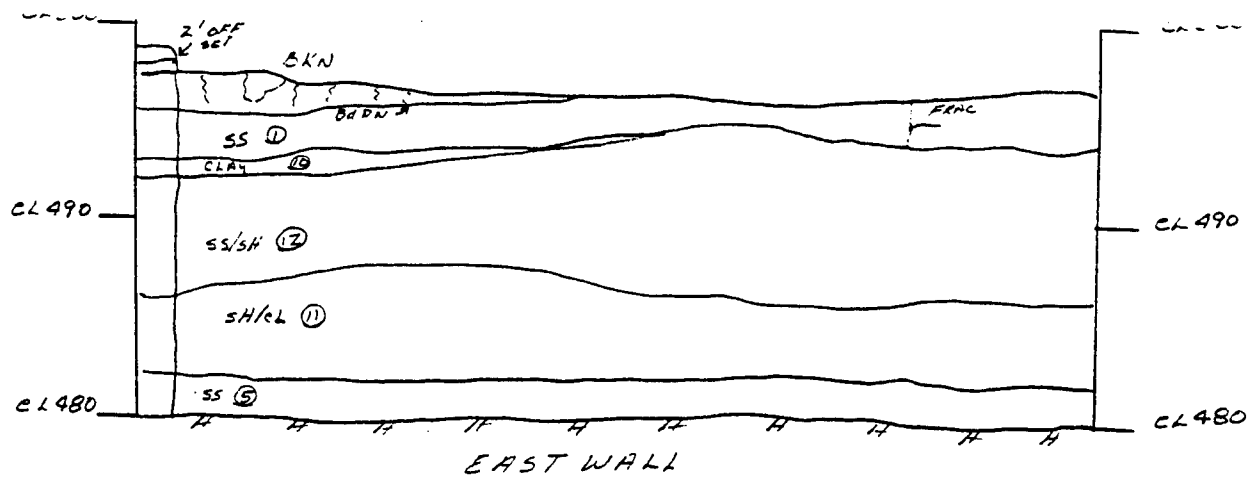
U.S. Army Corps of Engineers

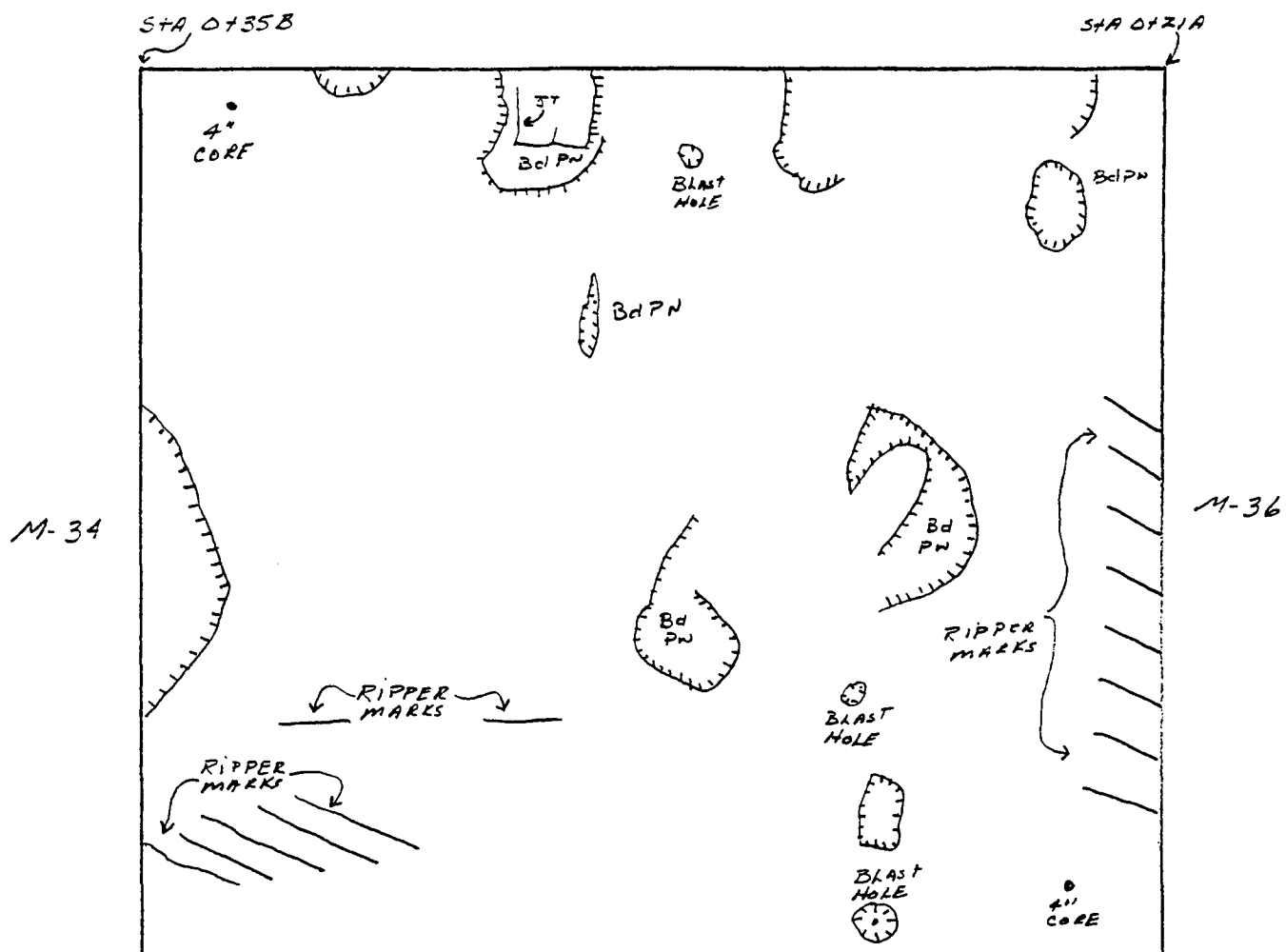
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 32



U.S. Army Corps of Engineers

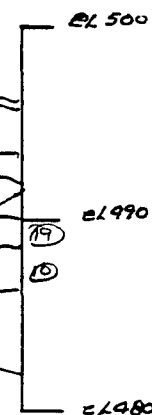
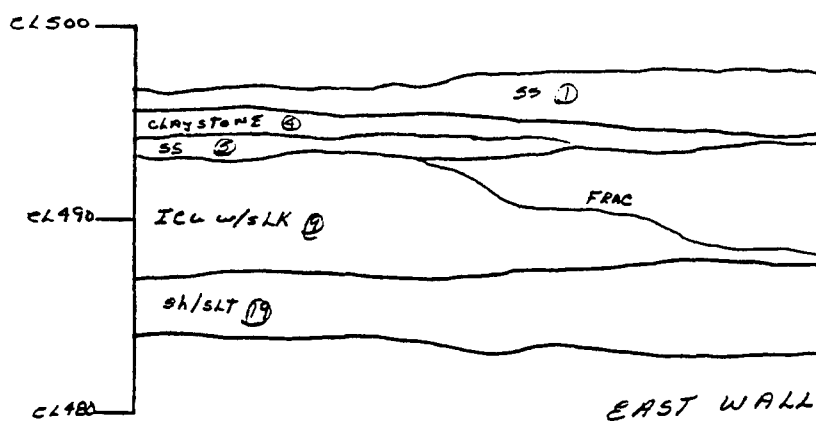
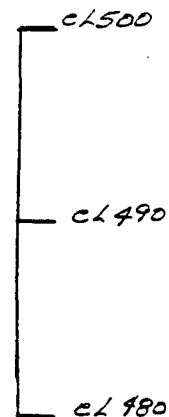
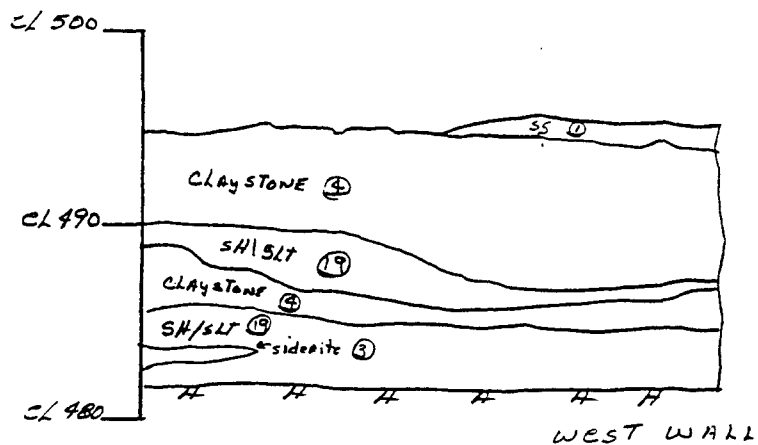
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Wall Monolith 33





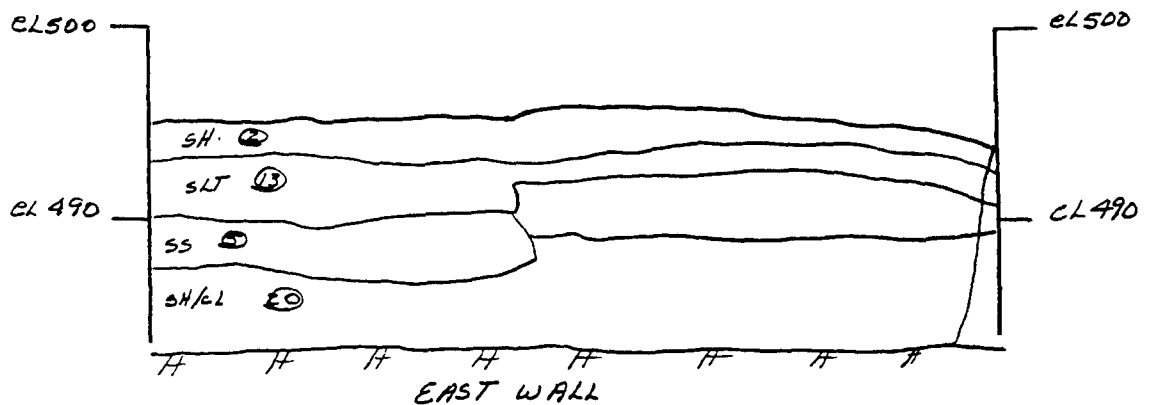
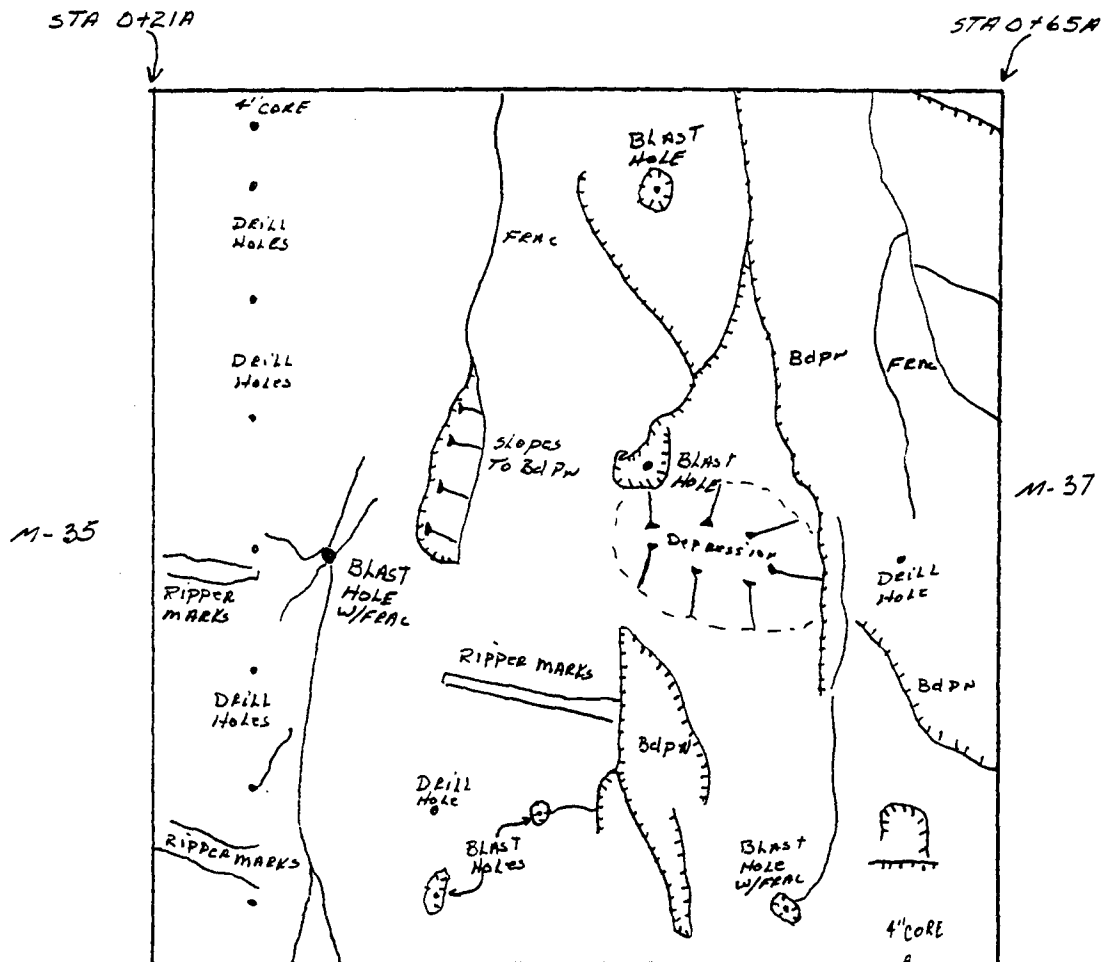
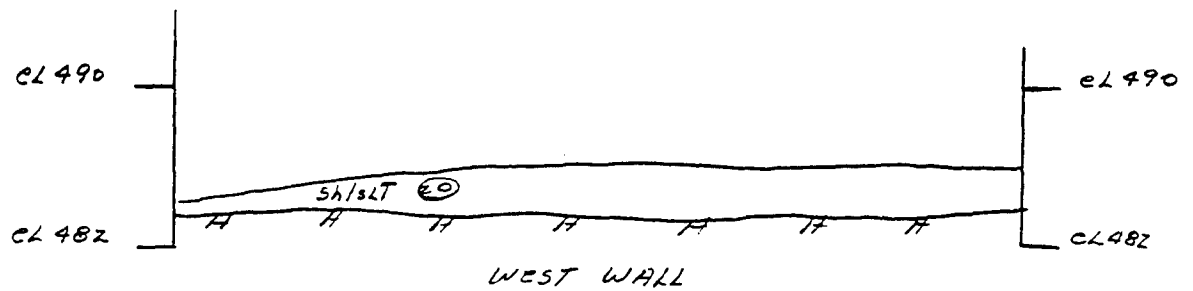
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Wall Monolith 35



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Wall Monolith 35



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 36

EL 990

EL 484

SH ②

EL 990

EL 484

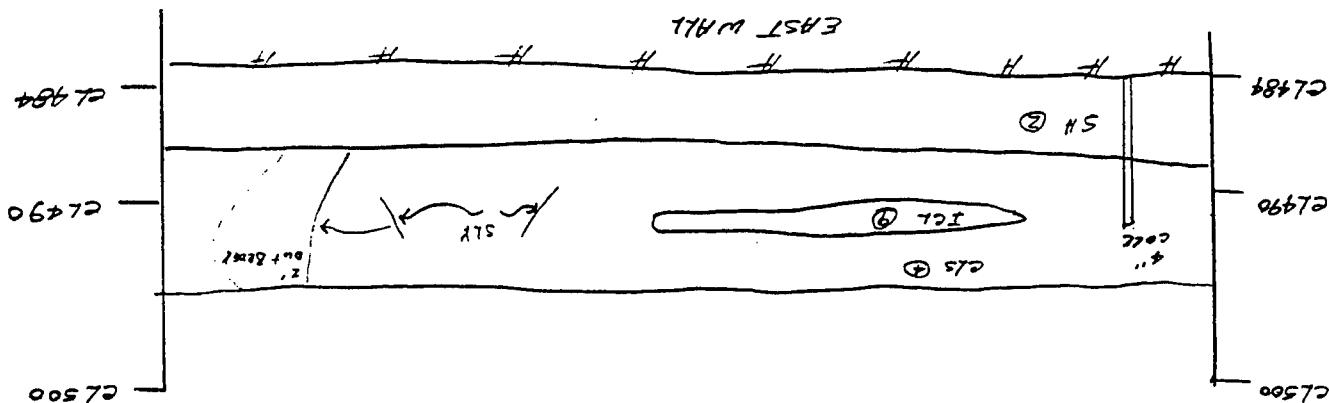
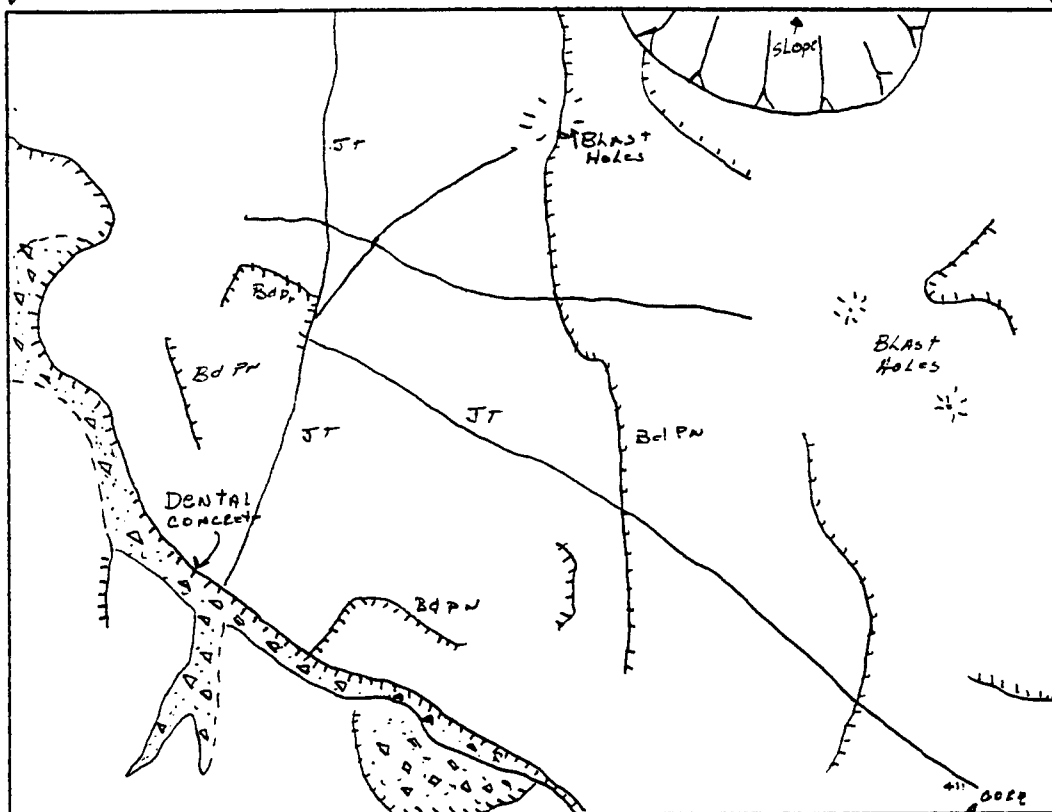
WEST WALL

STA 0+65A

STA 1+20A

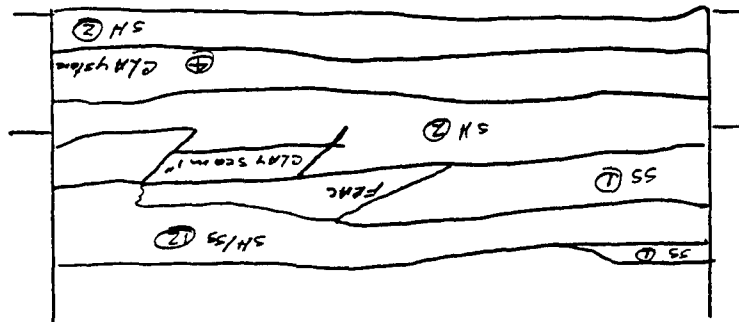
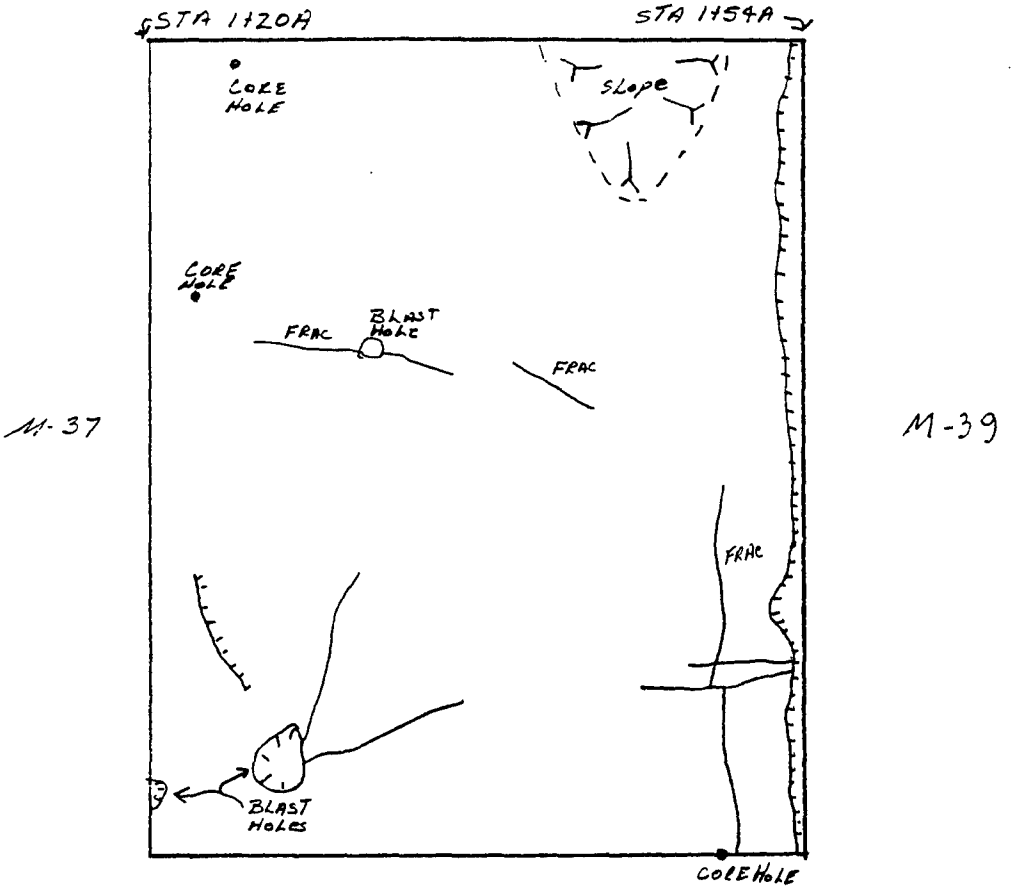
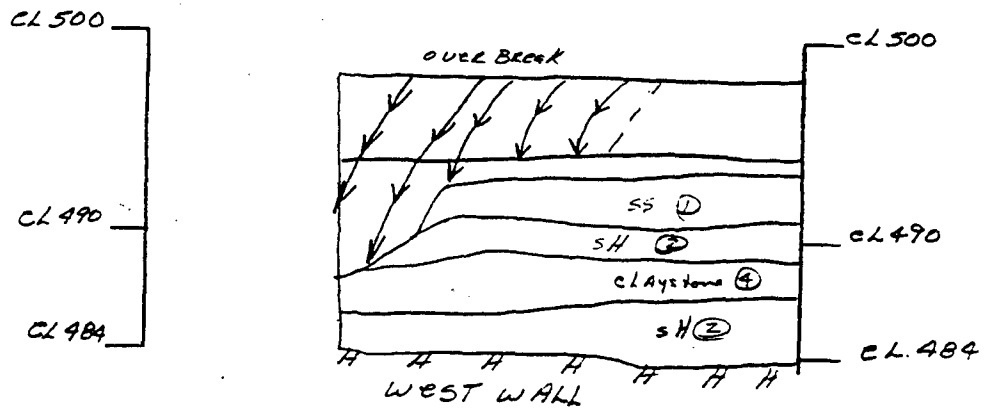
M-36

M 38



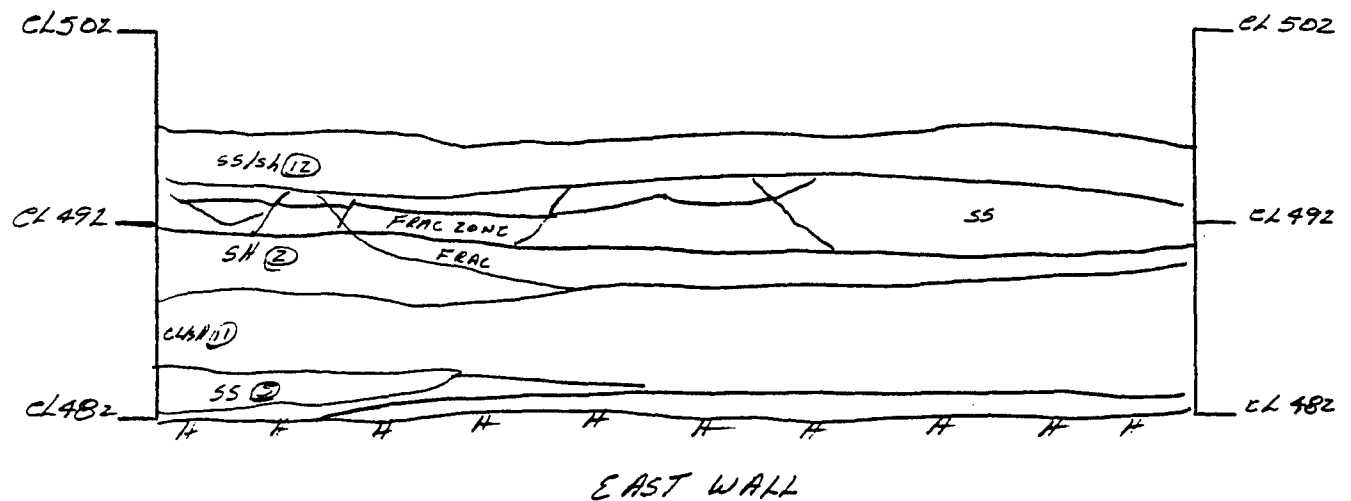
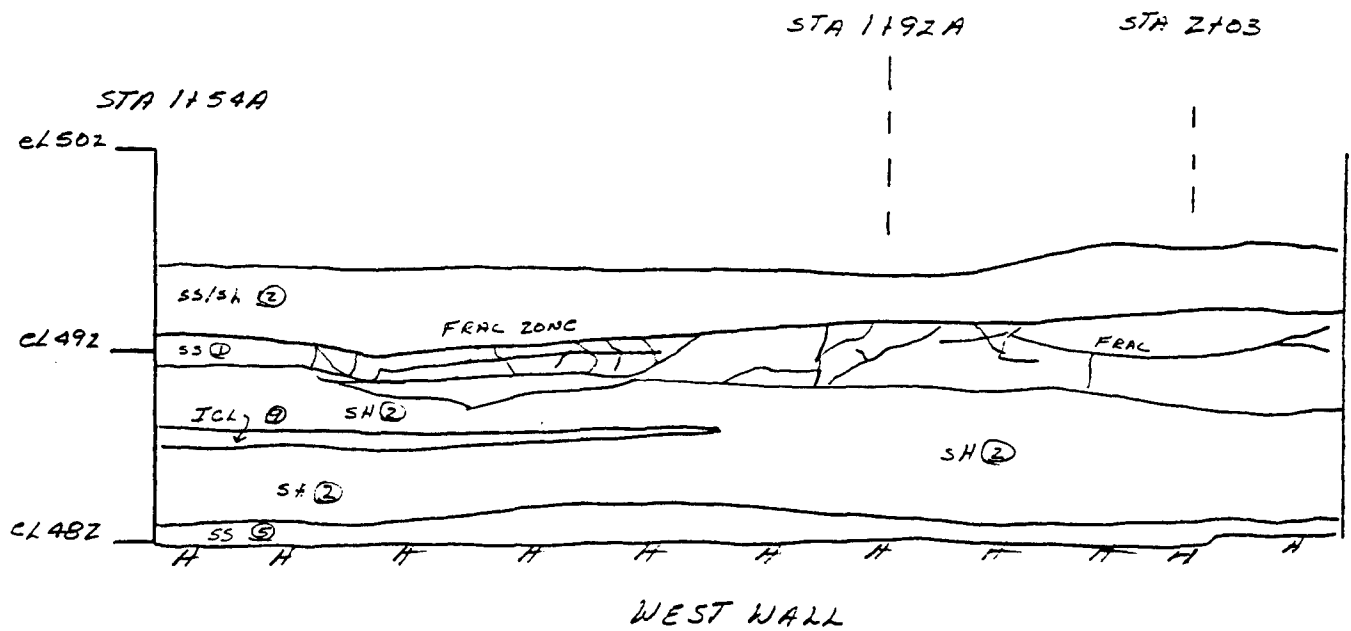
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Wall Monolith 37



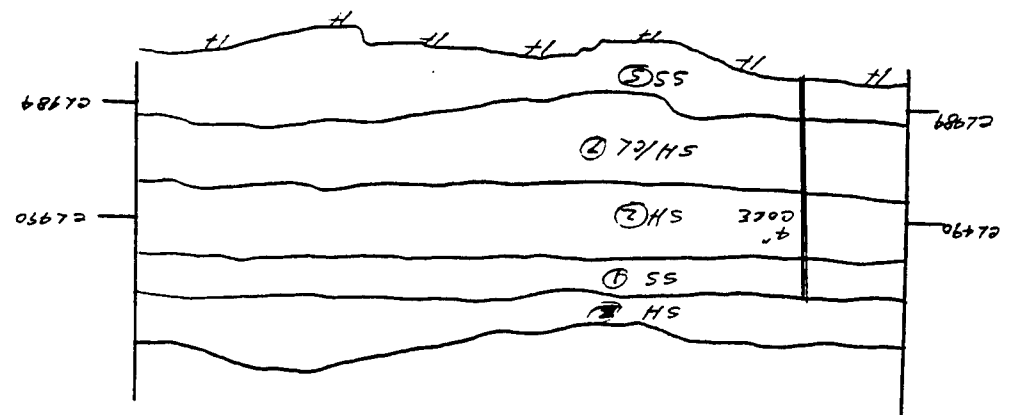
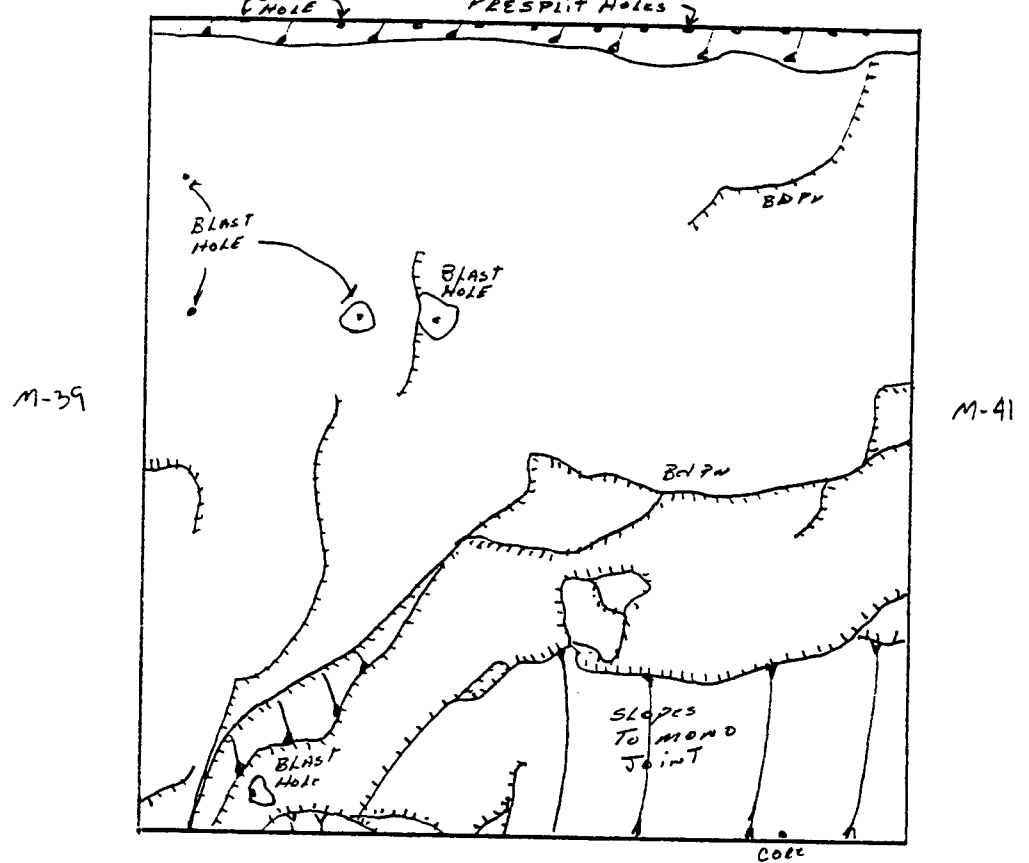
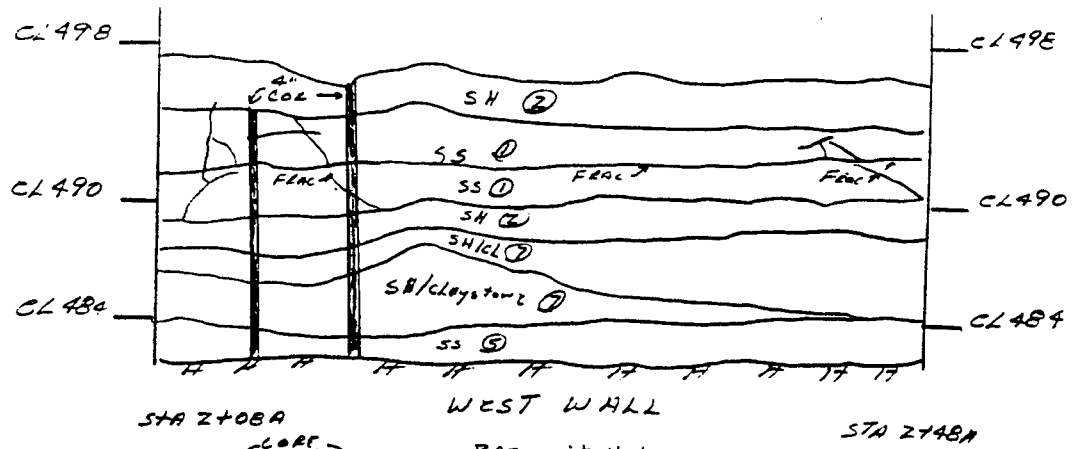
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 38



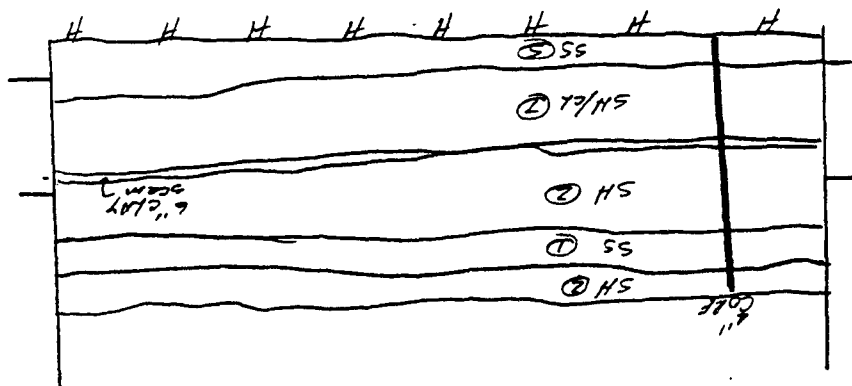
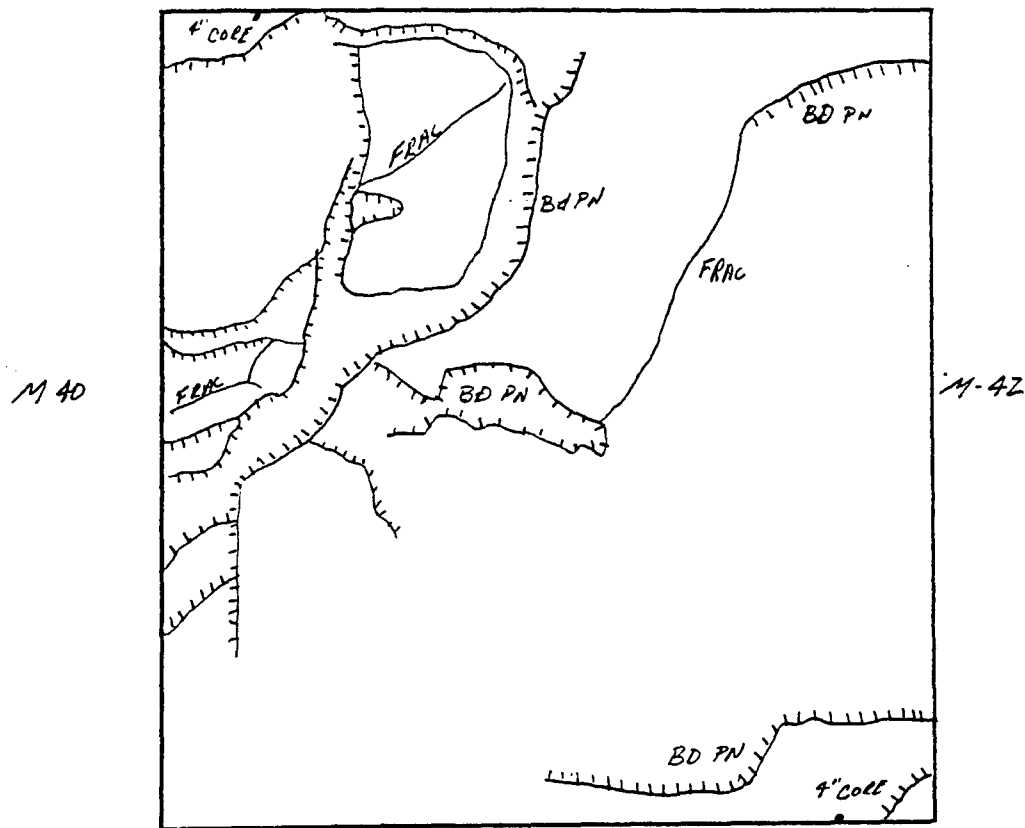
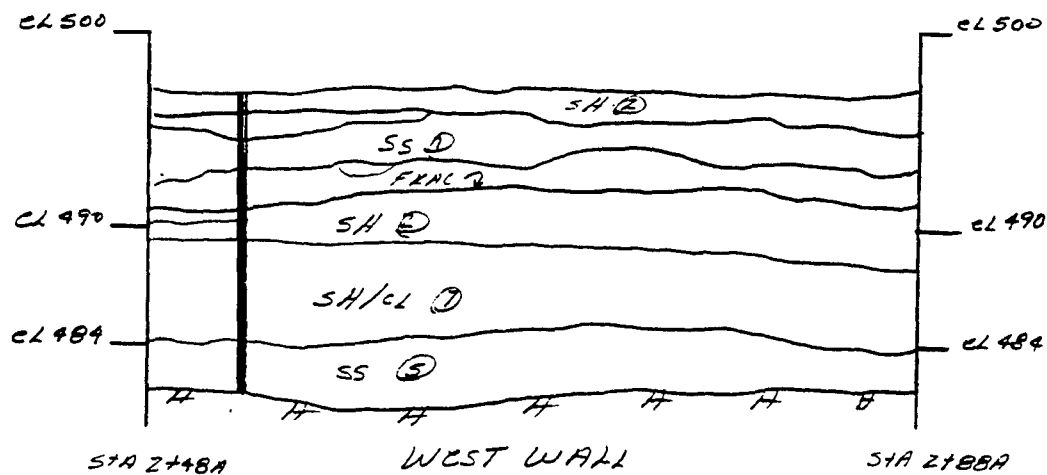
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Wall Monolith 39



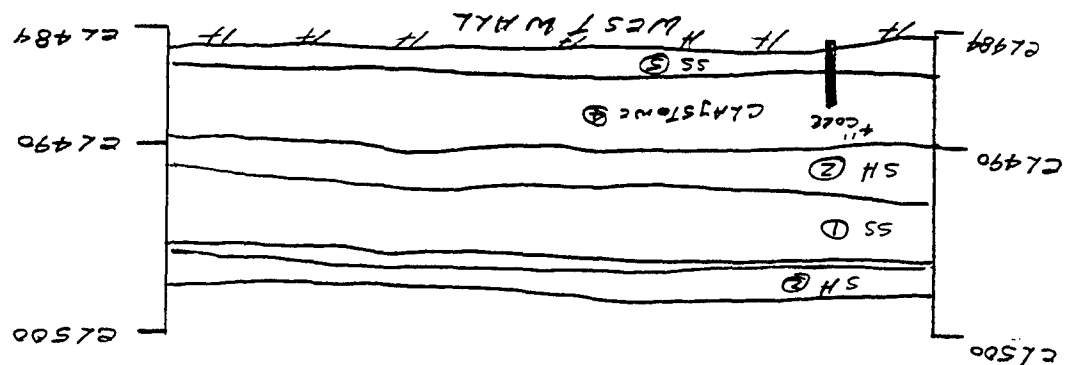
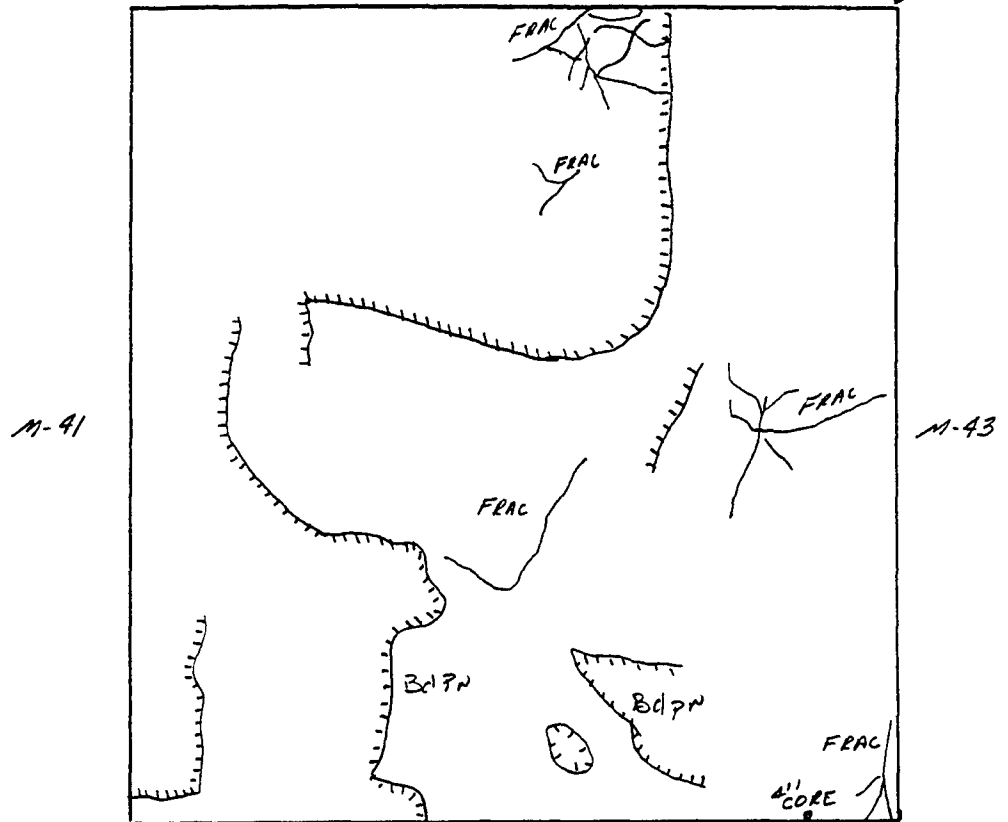
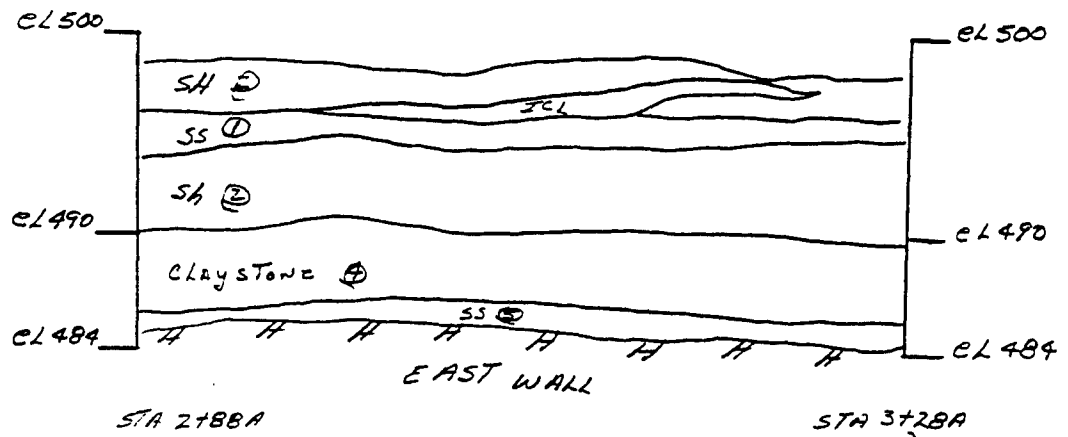
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 40



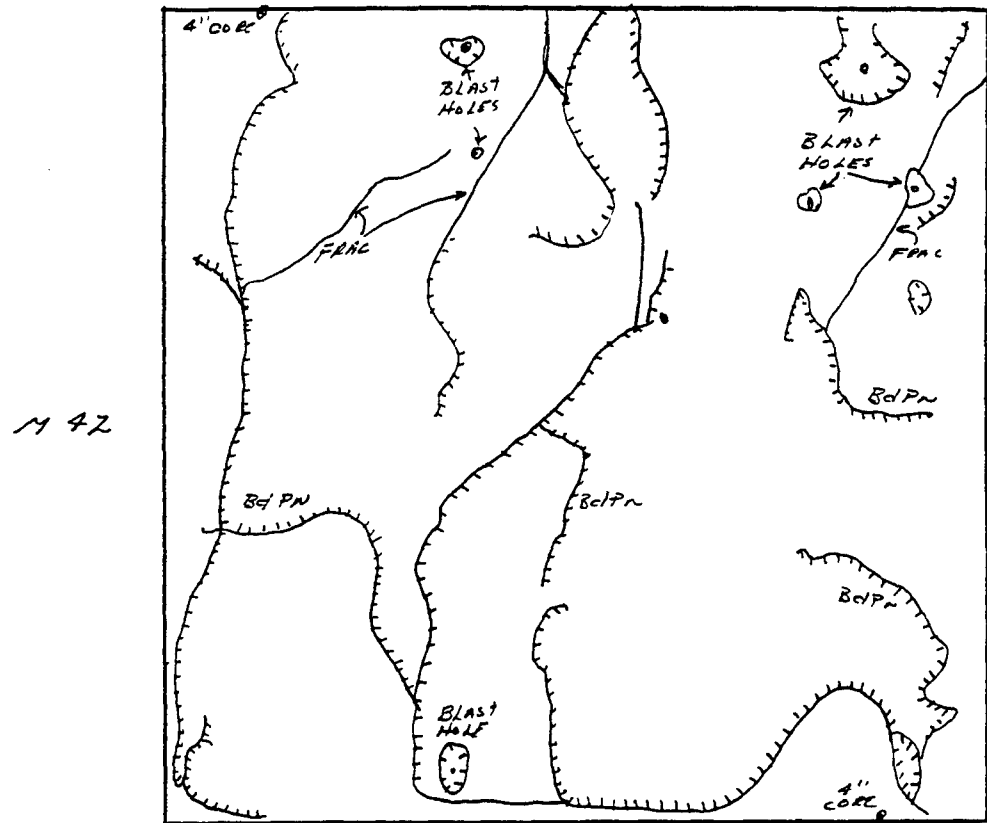
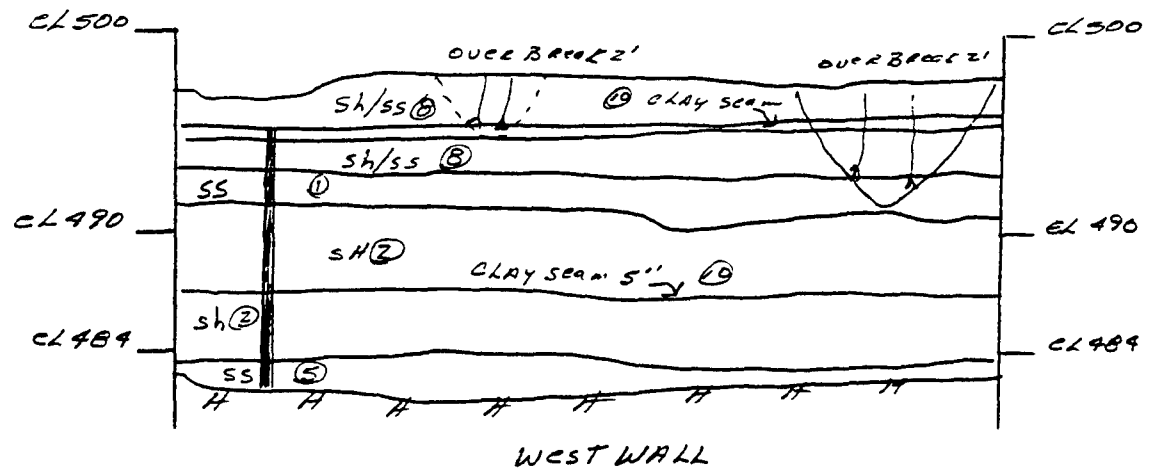
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Wall Monolith 41



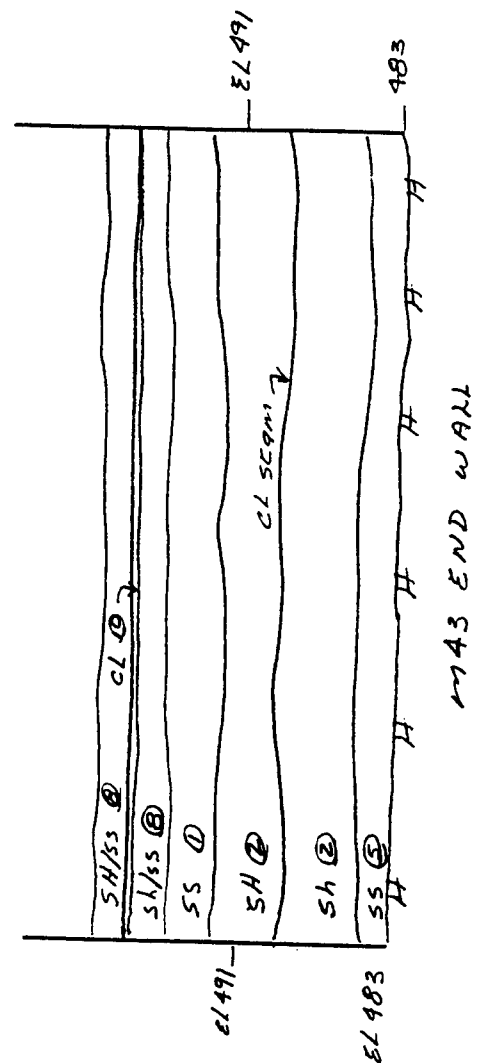
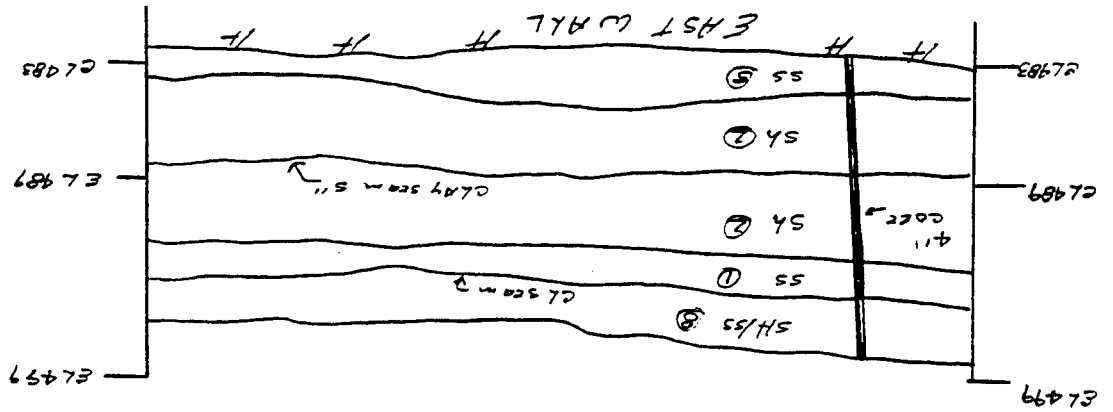
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Wall Monolith 42



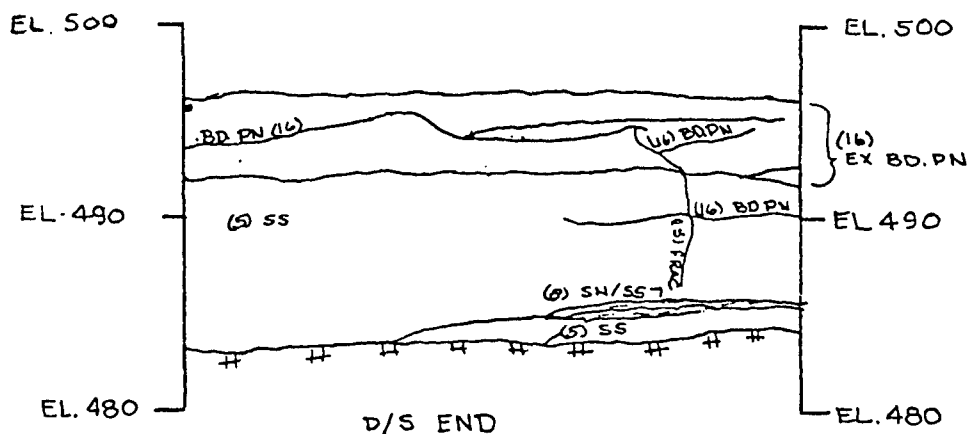
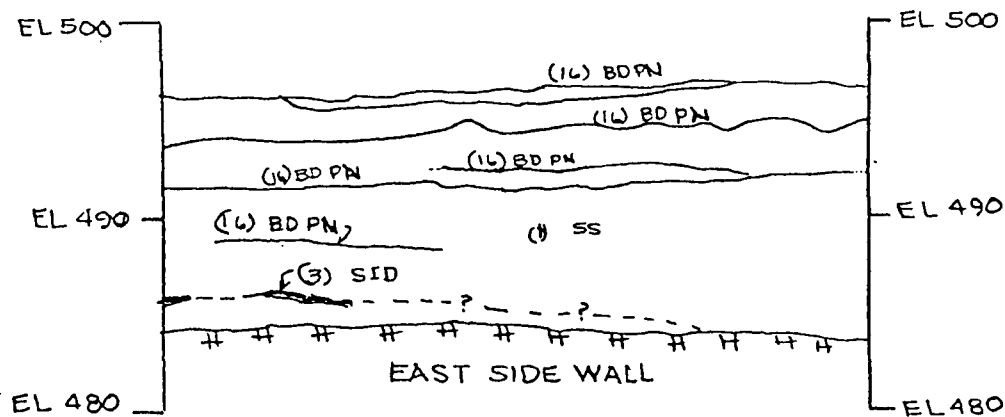
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Wall Monolith 43



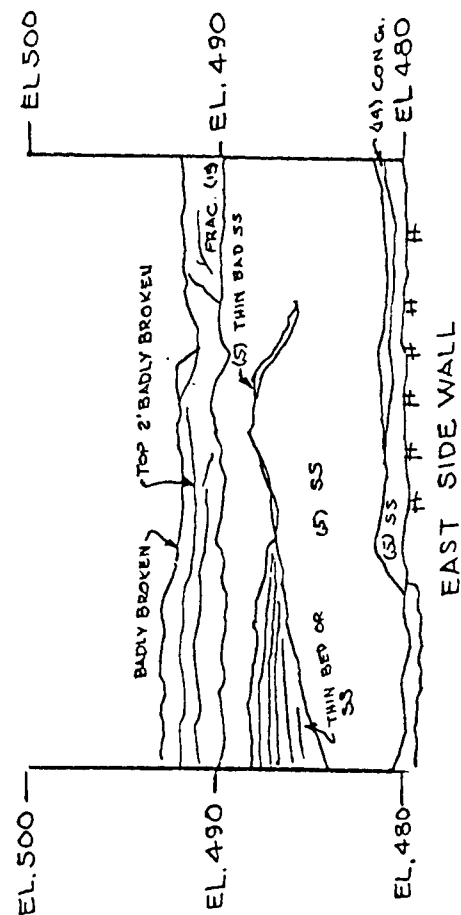
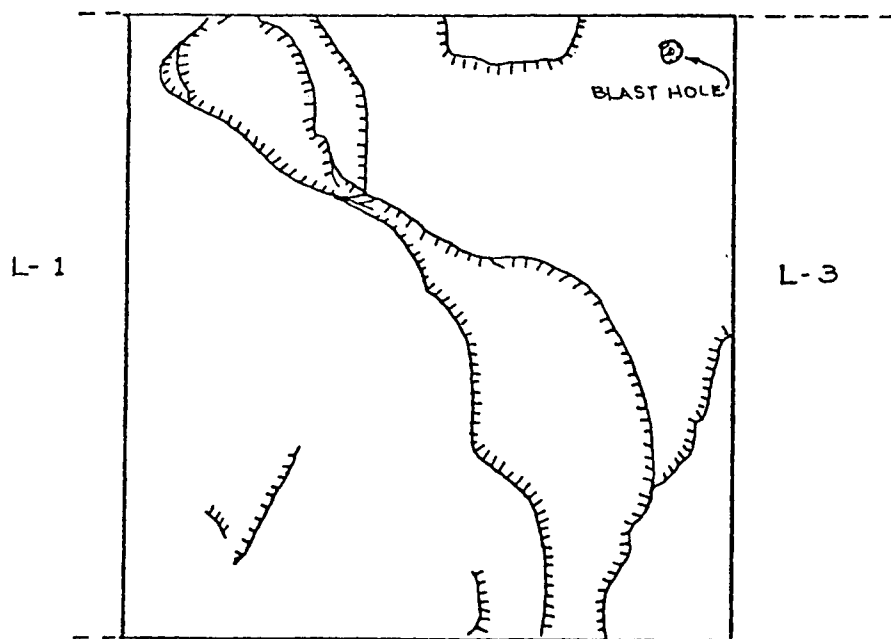
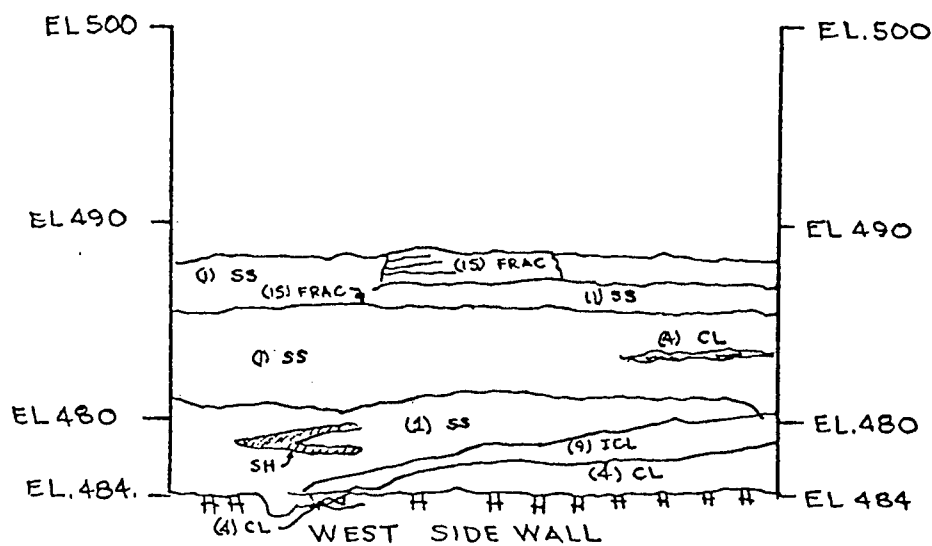
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Wall Monolith 43



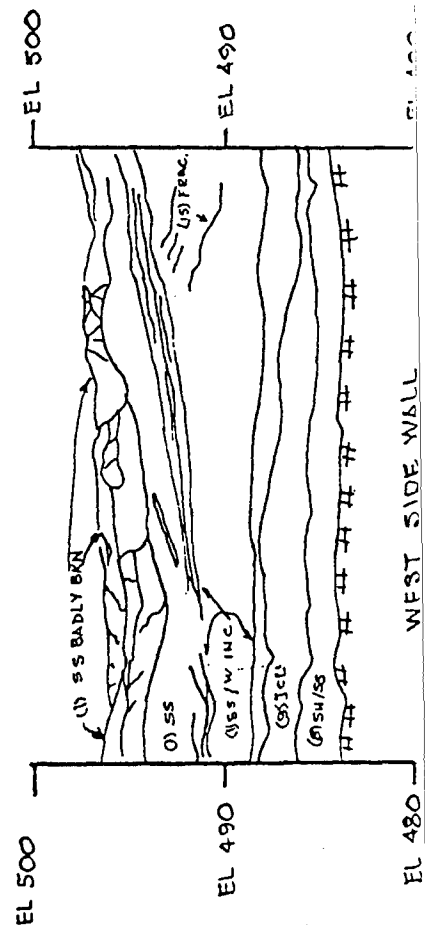
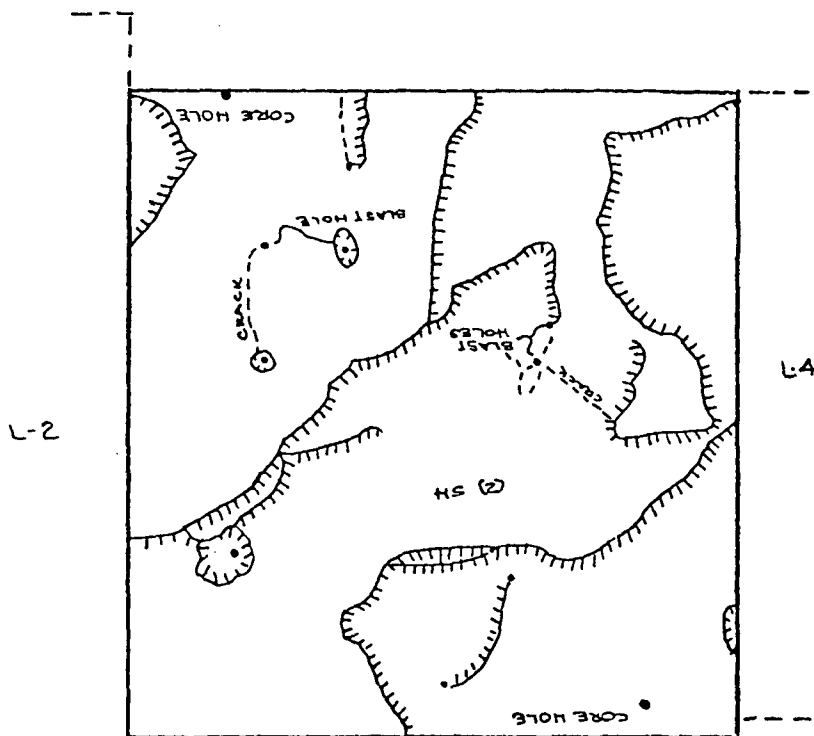
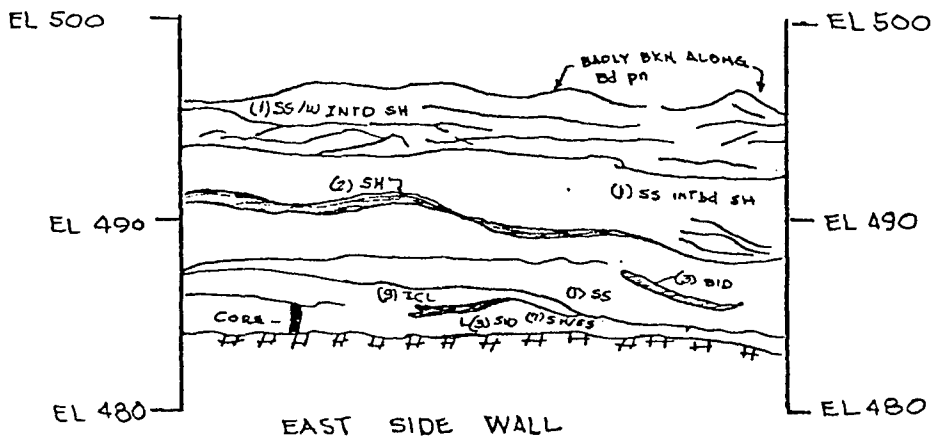
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 1



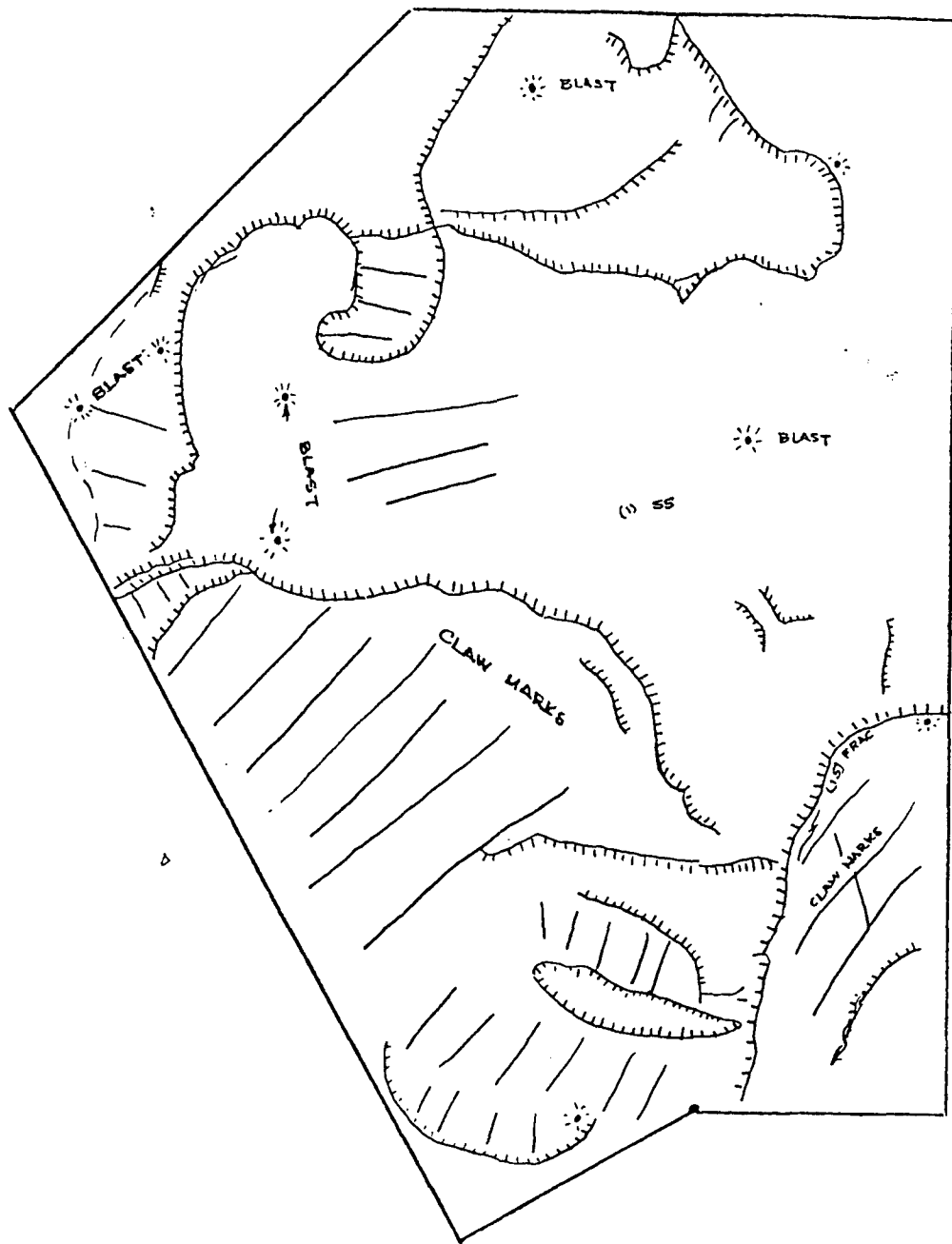
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 2



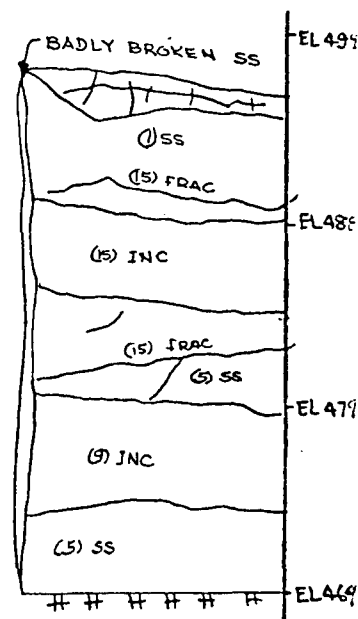
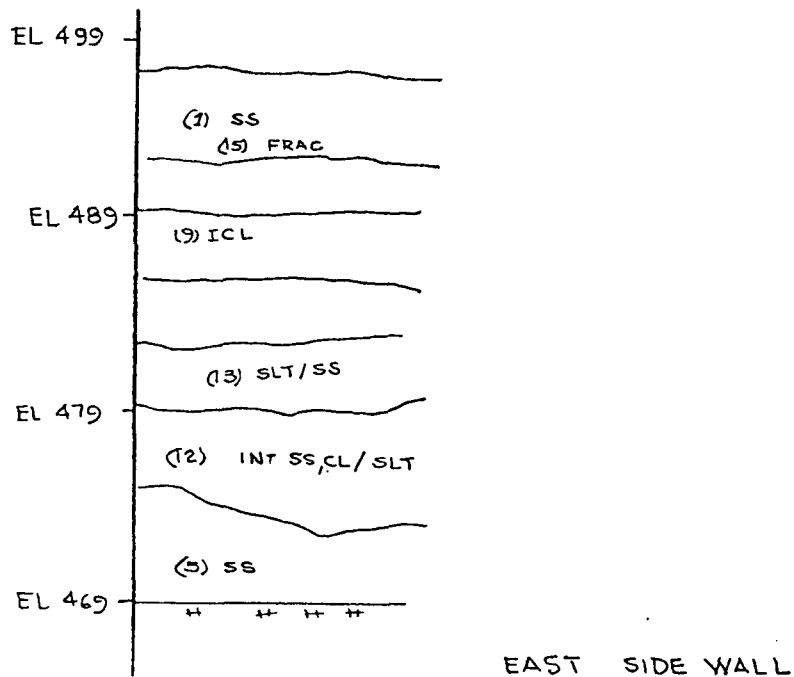
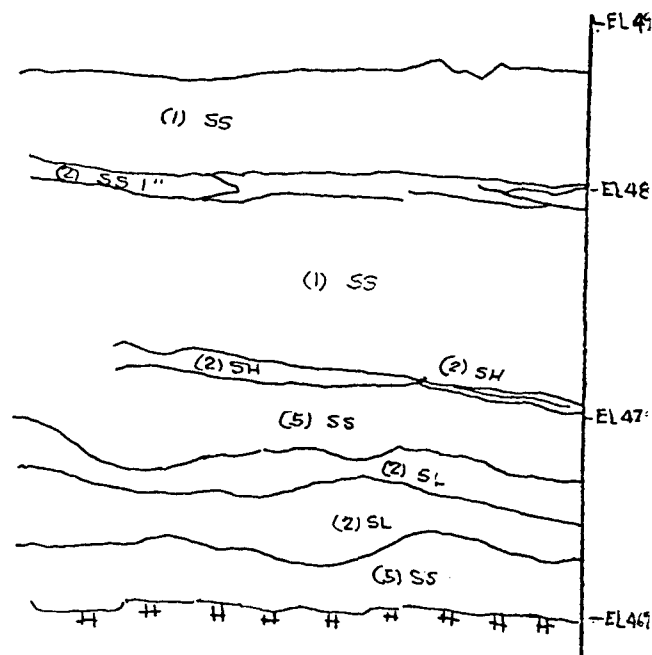
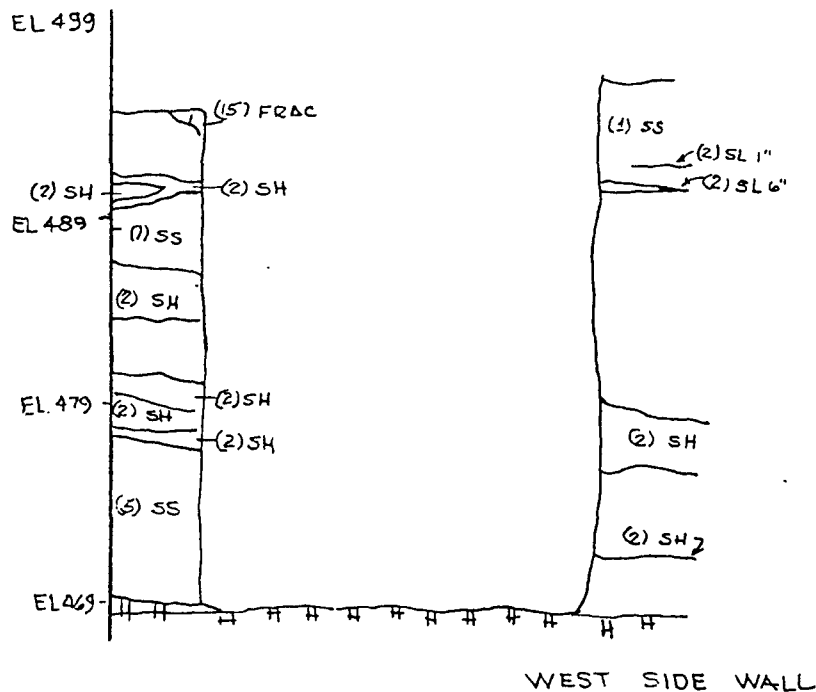
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 3



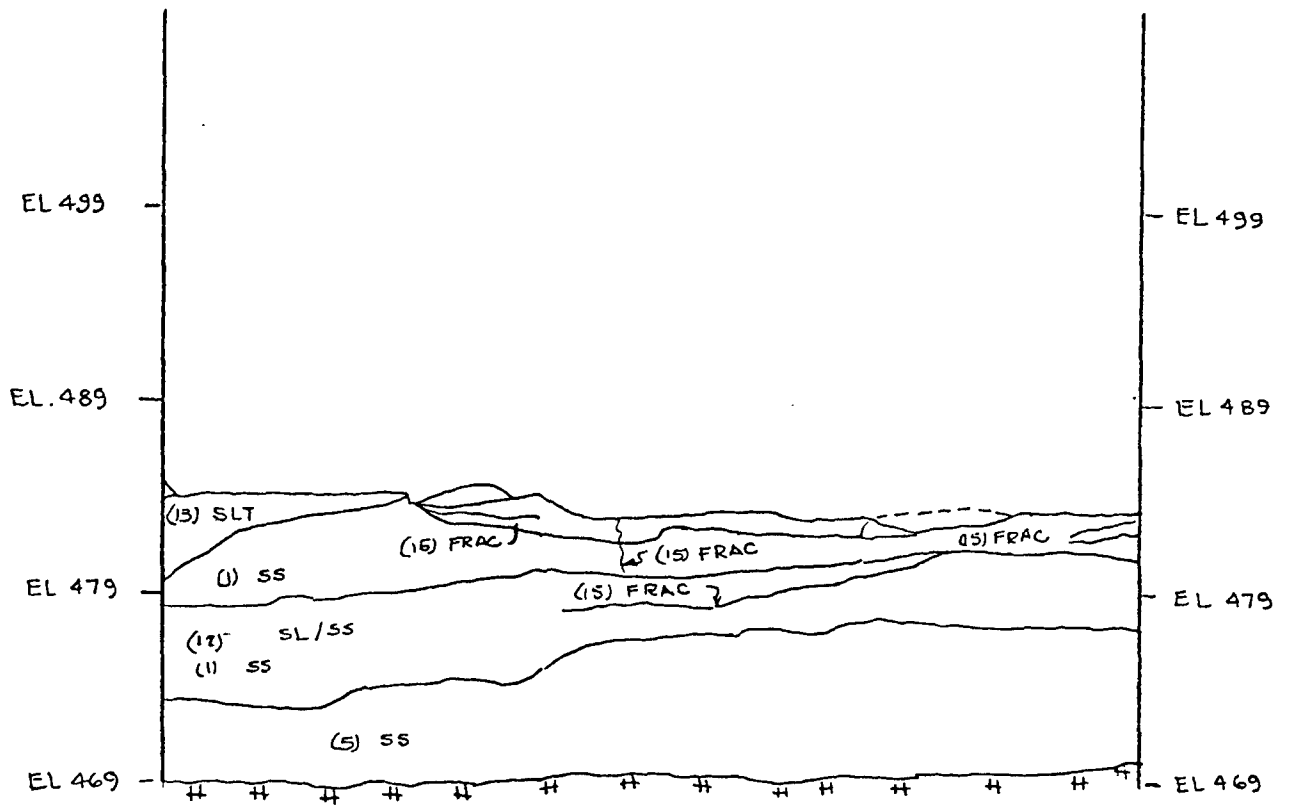
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 5



U.S. Army Corps of Engineers

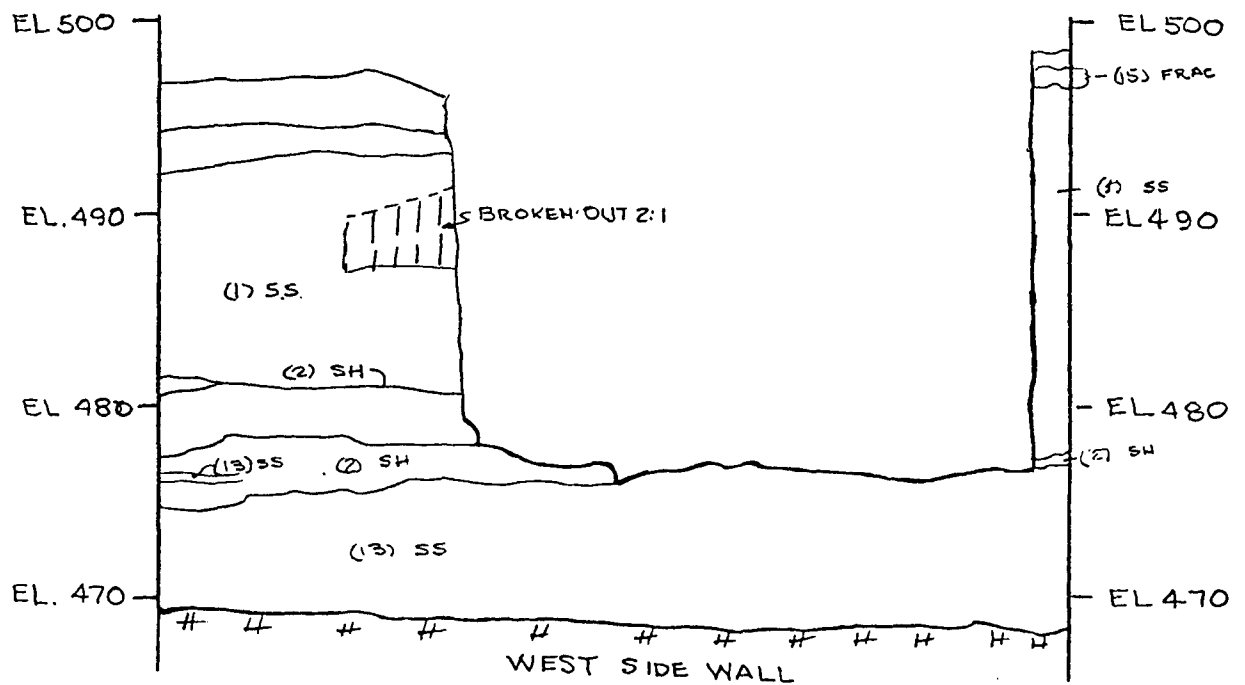
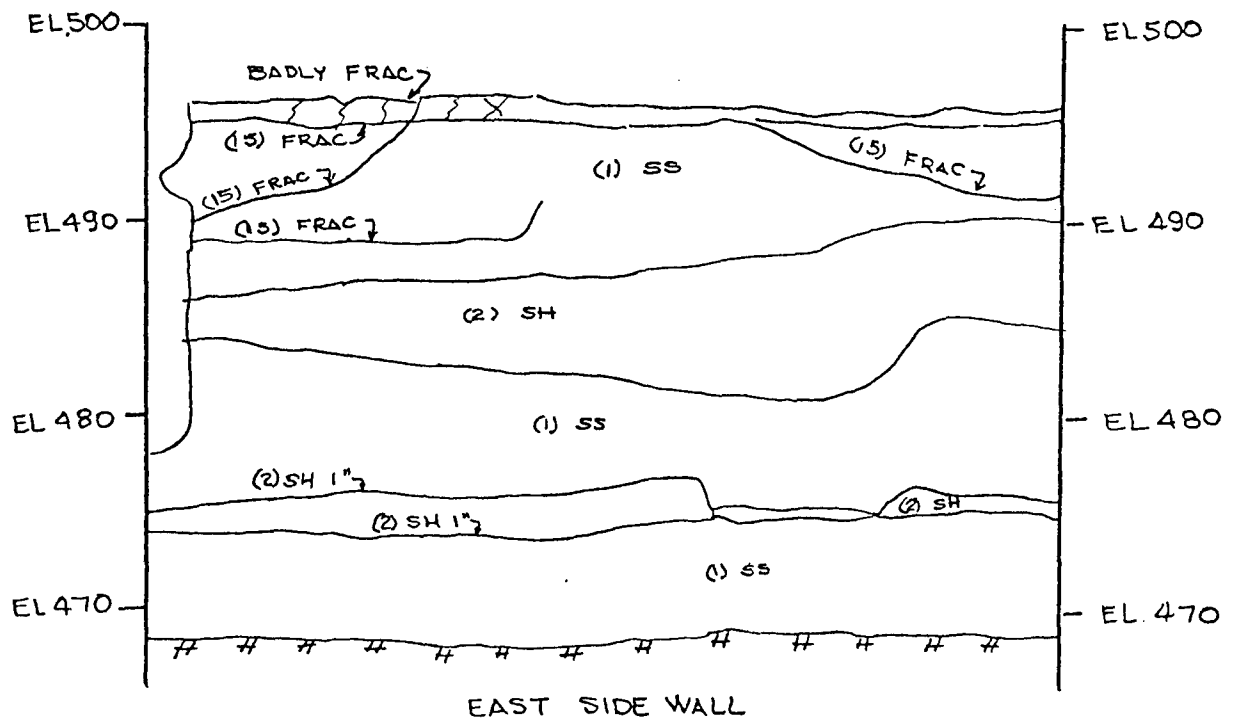
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 5



STEP DOWN L-4 TO L-5

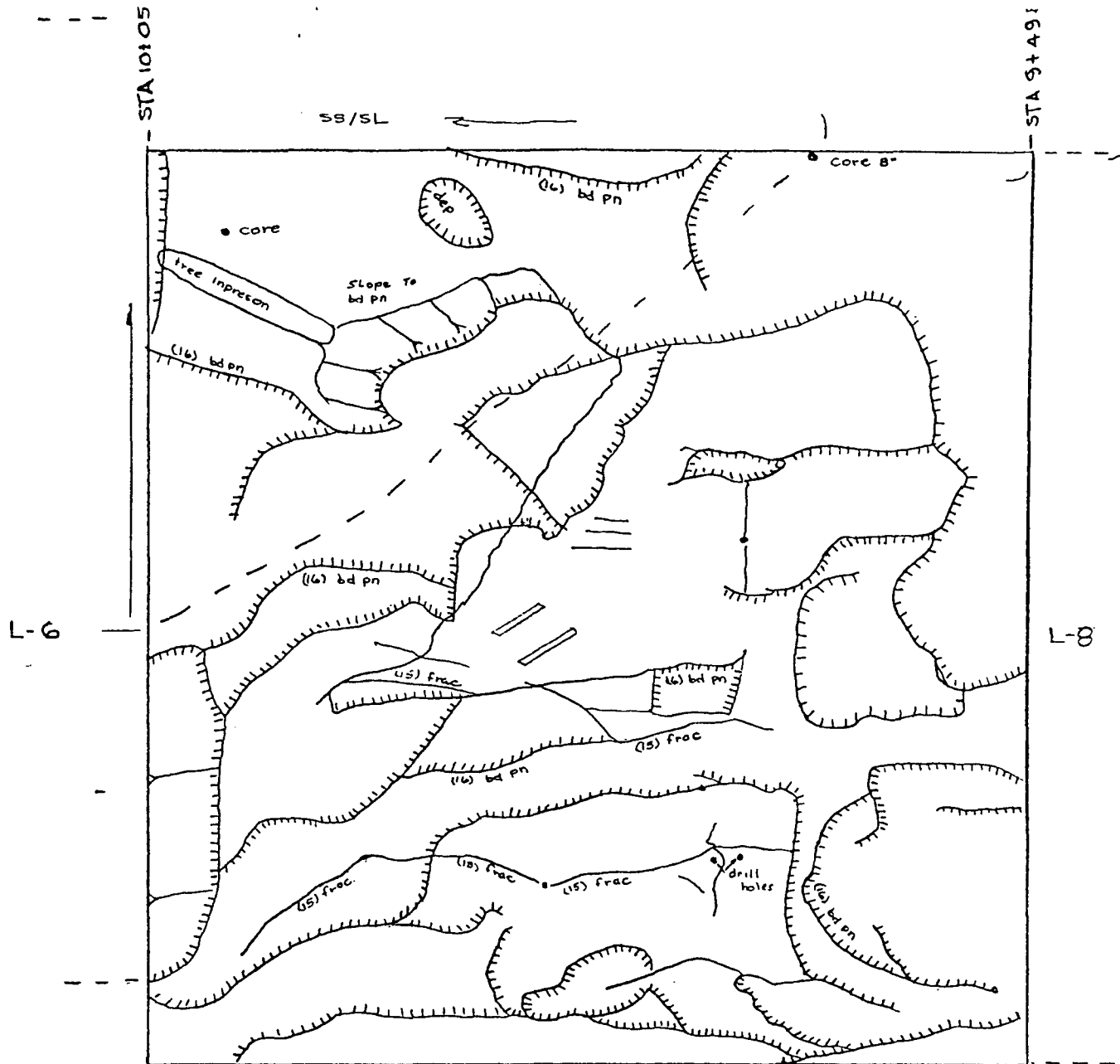
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 5



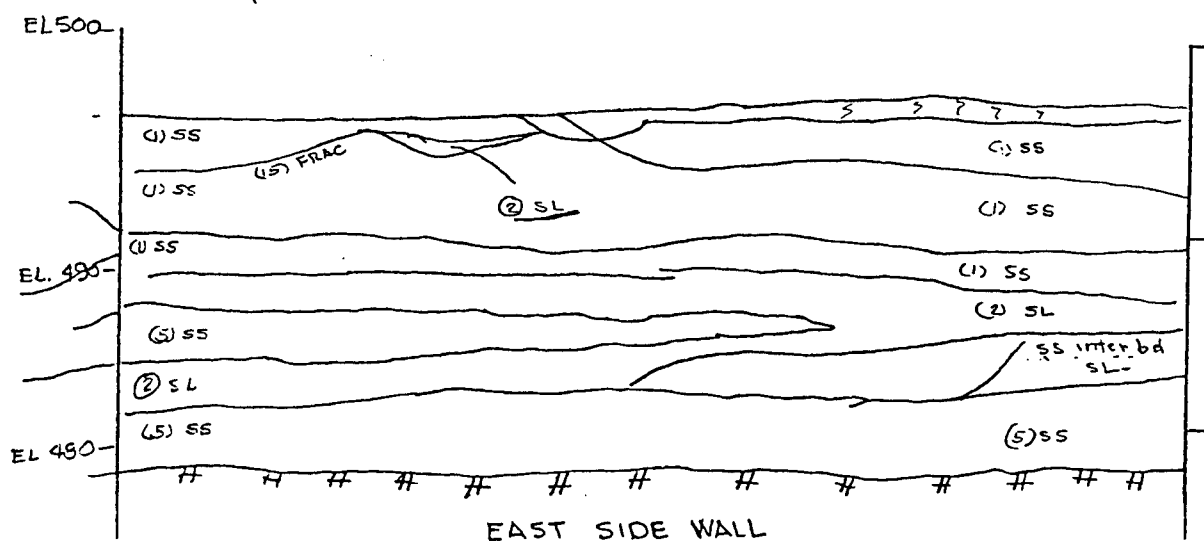
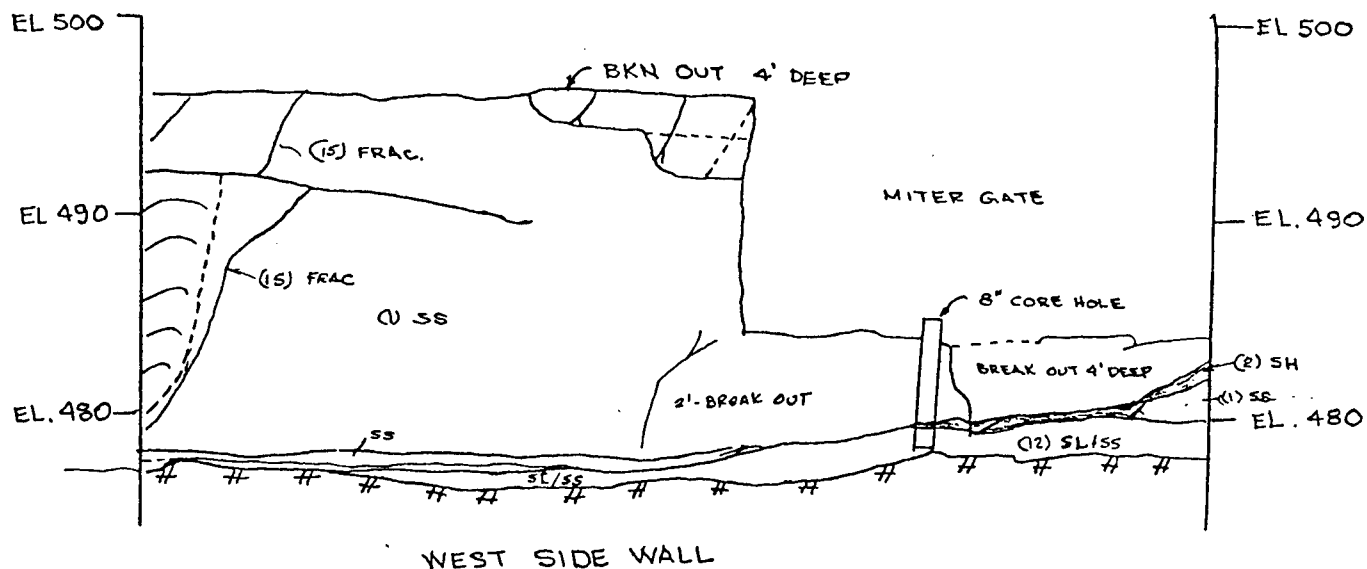
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Wall Monolith 6



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Wall Monolith 7



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Wall Monolith 7

[illegible]

STA. 9+05B

L-7

L-9

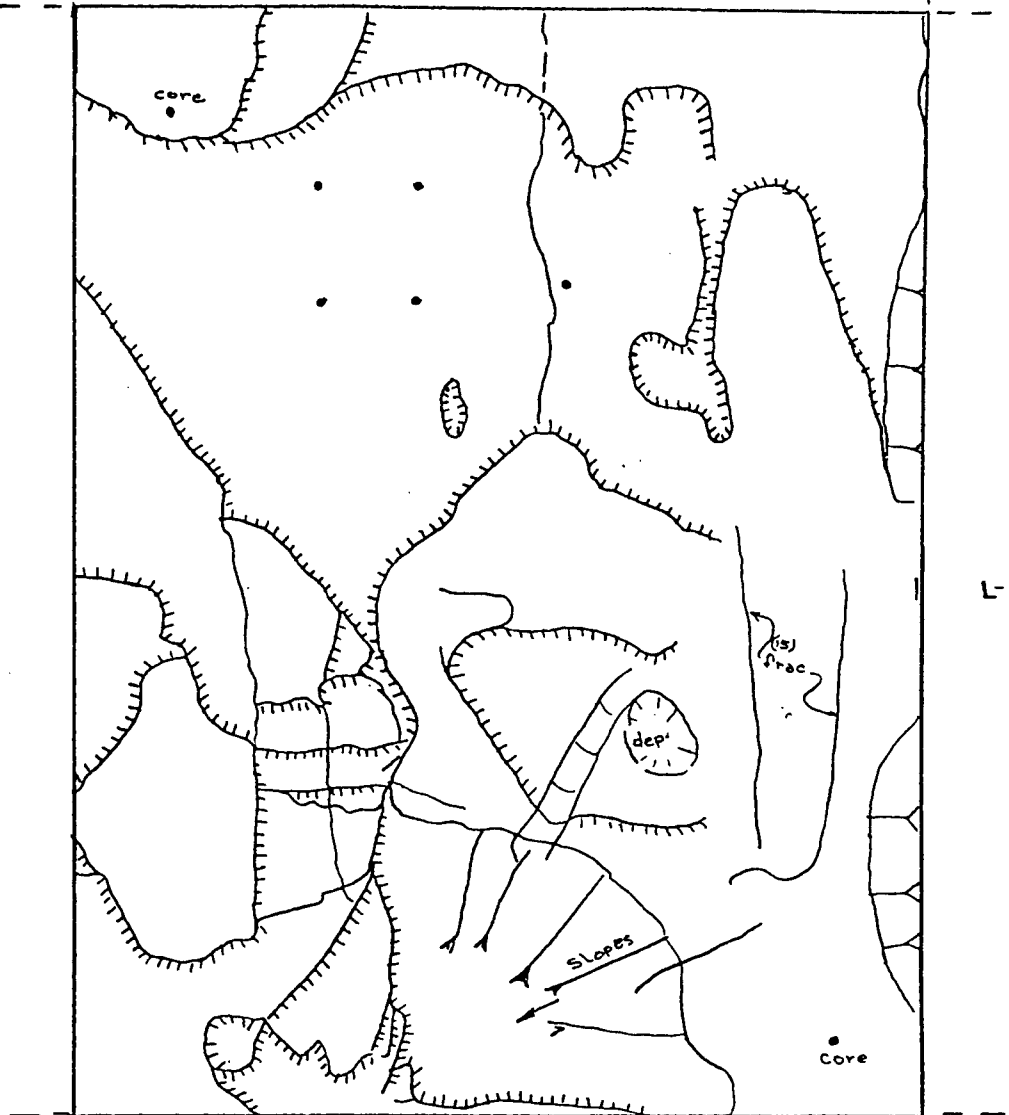
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Wall Monolith 8

STA 9+05B

STA. 8+60B

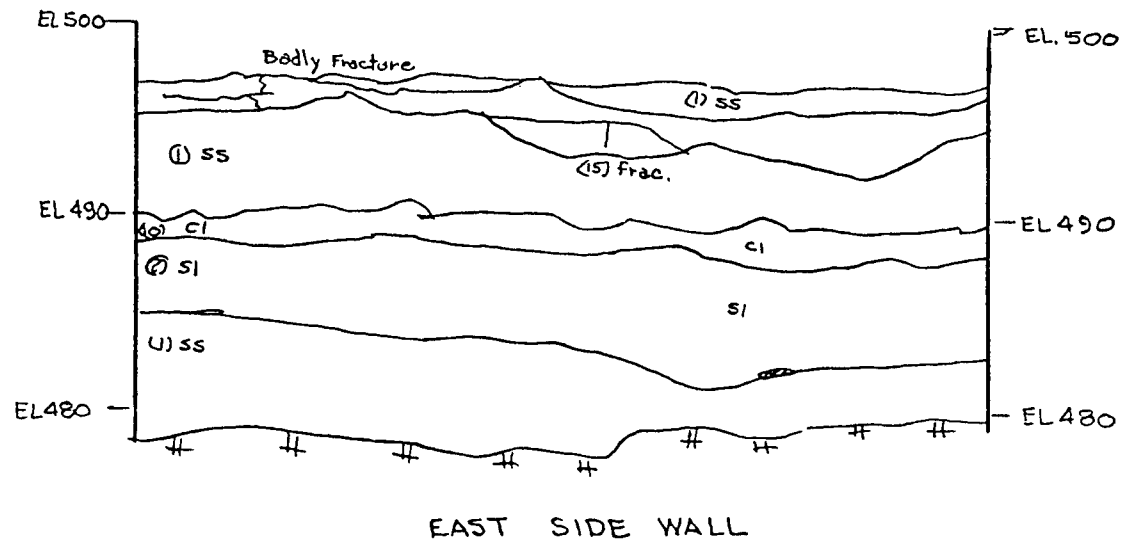
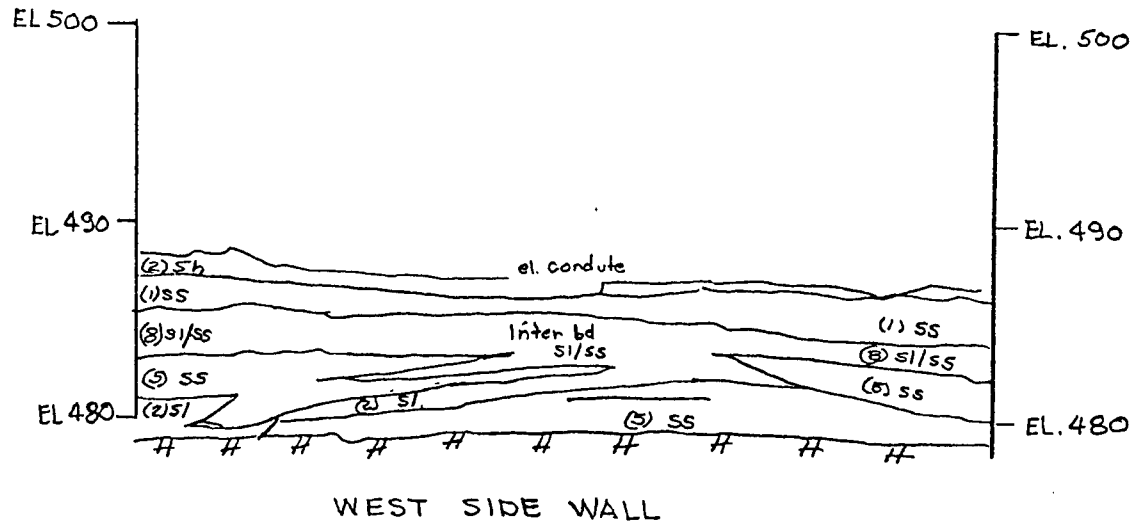
L-8

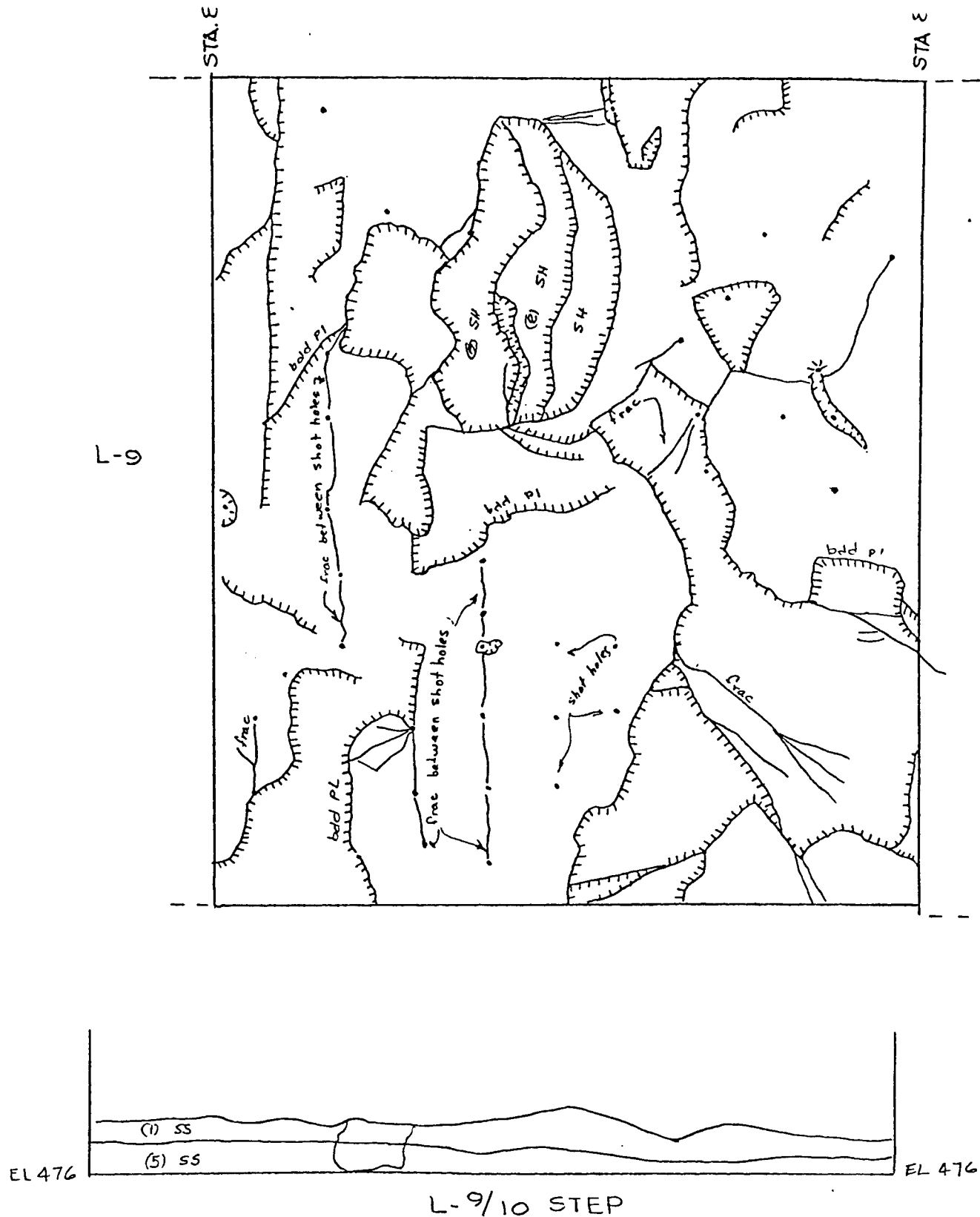
L-10

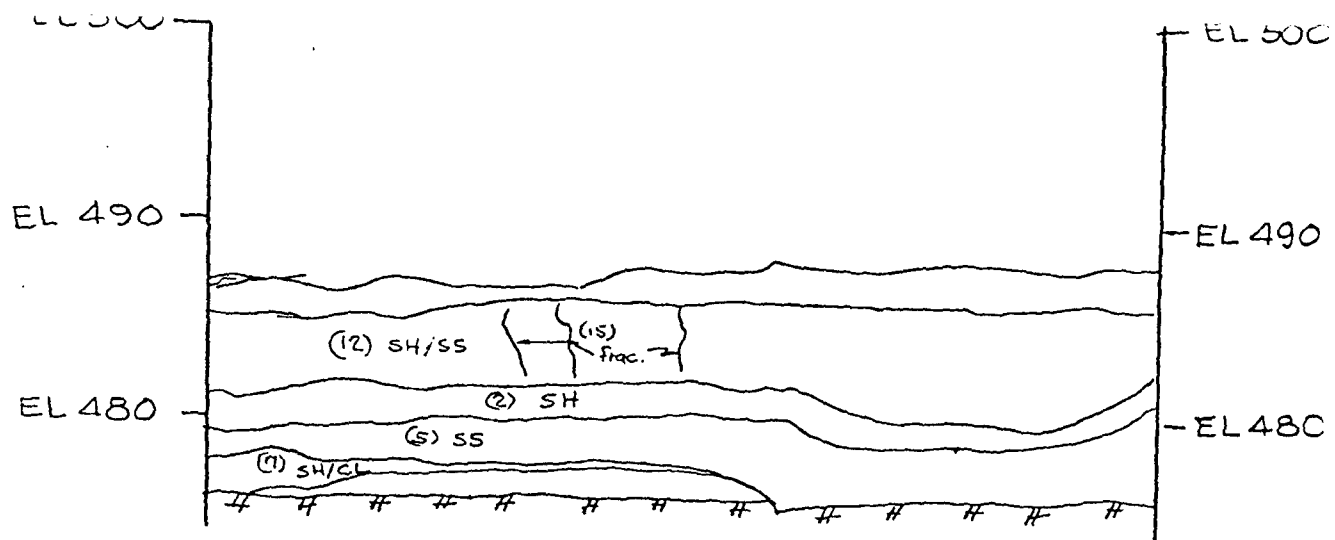


U.S. Army Corps of Engineers

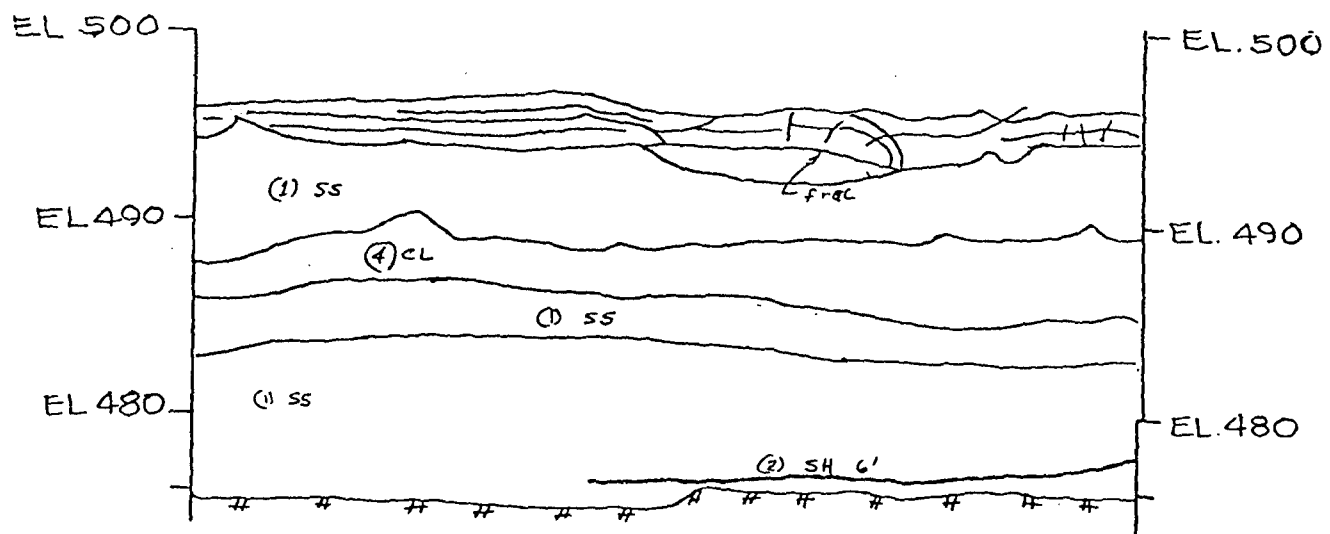
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Wall Monolith 9



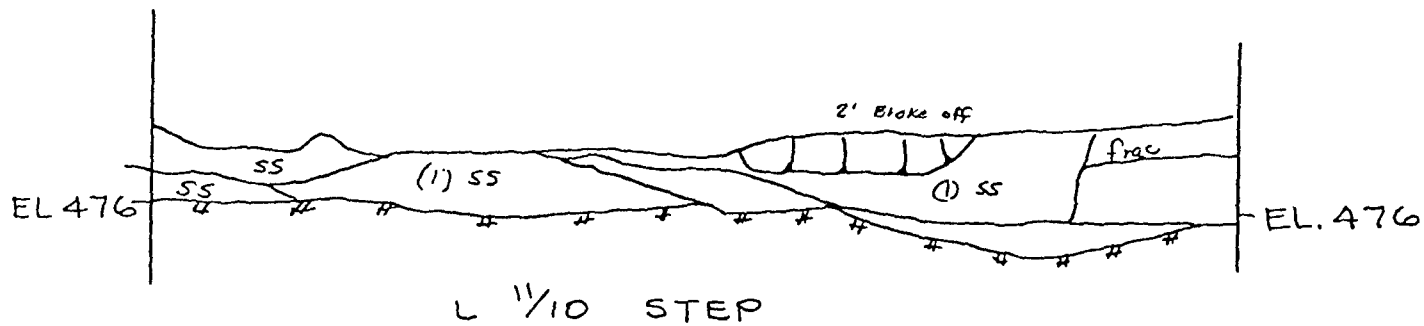




WEST SIDE WALL



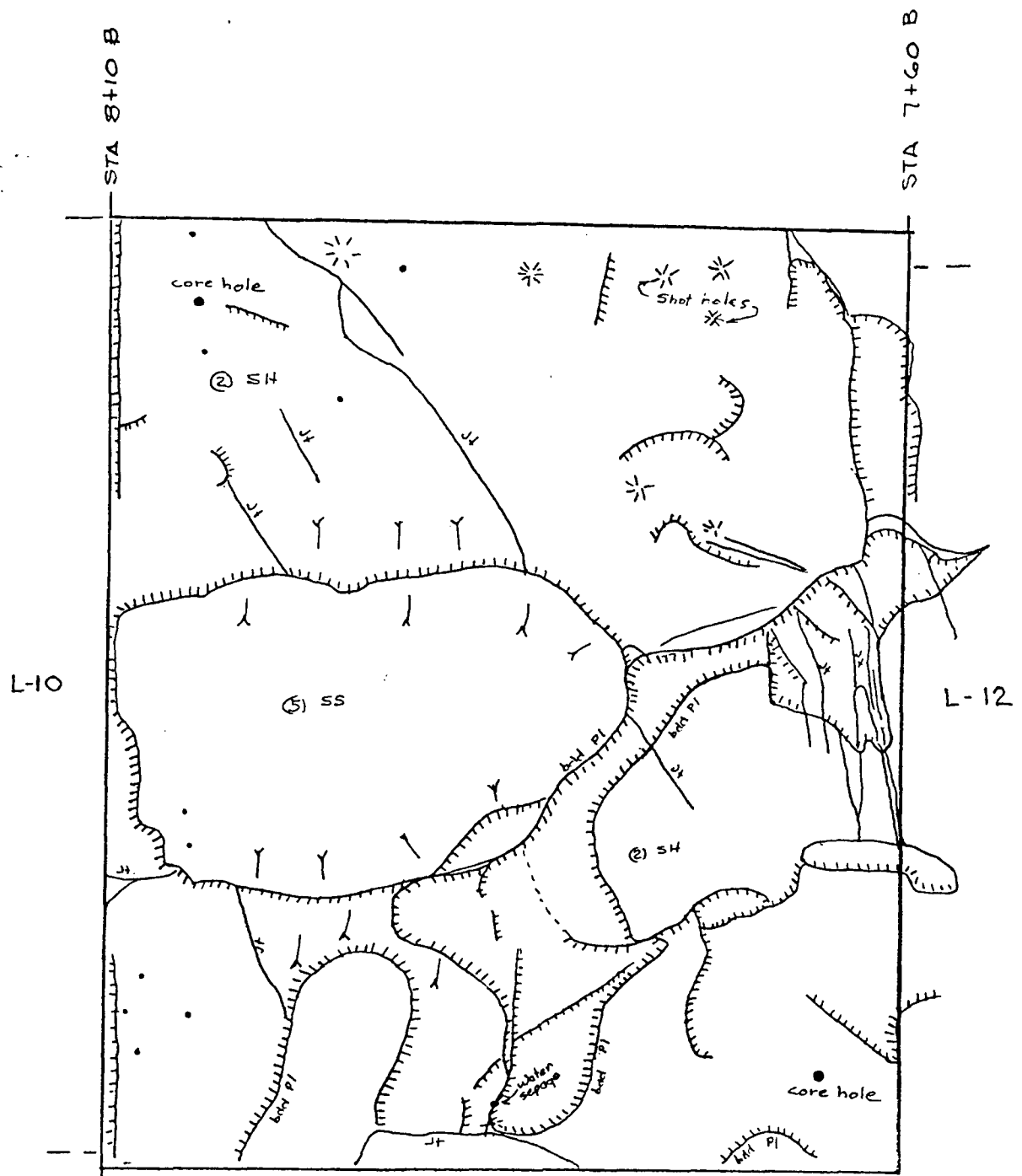
EAST SIDE WALL

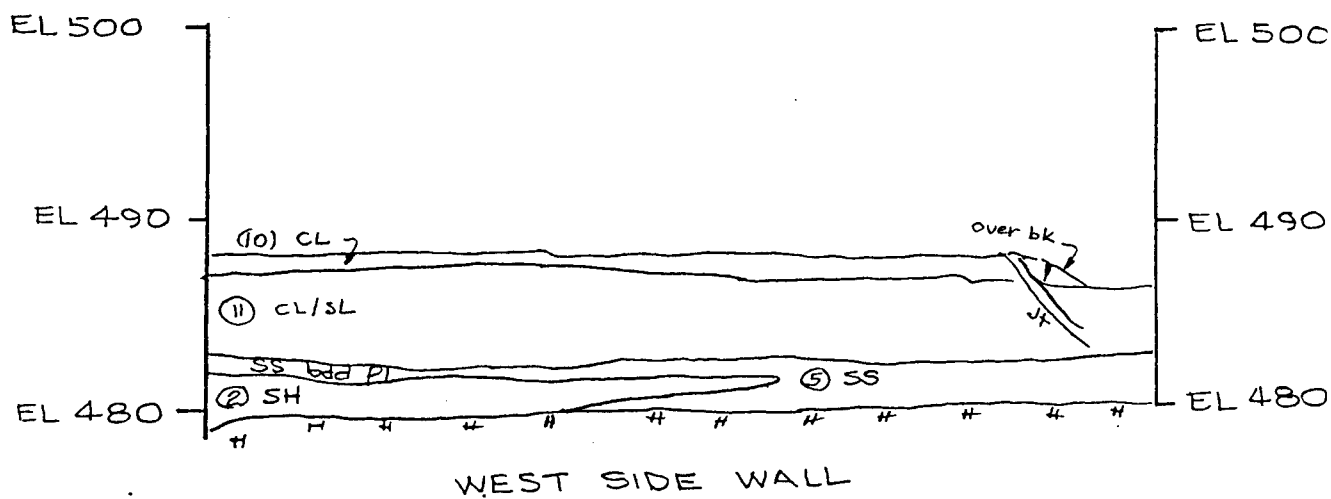
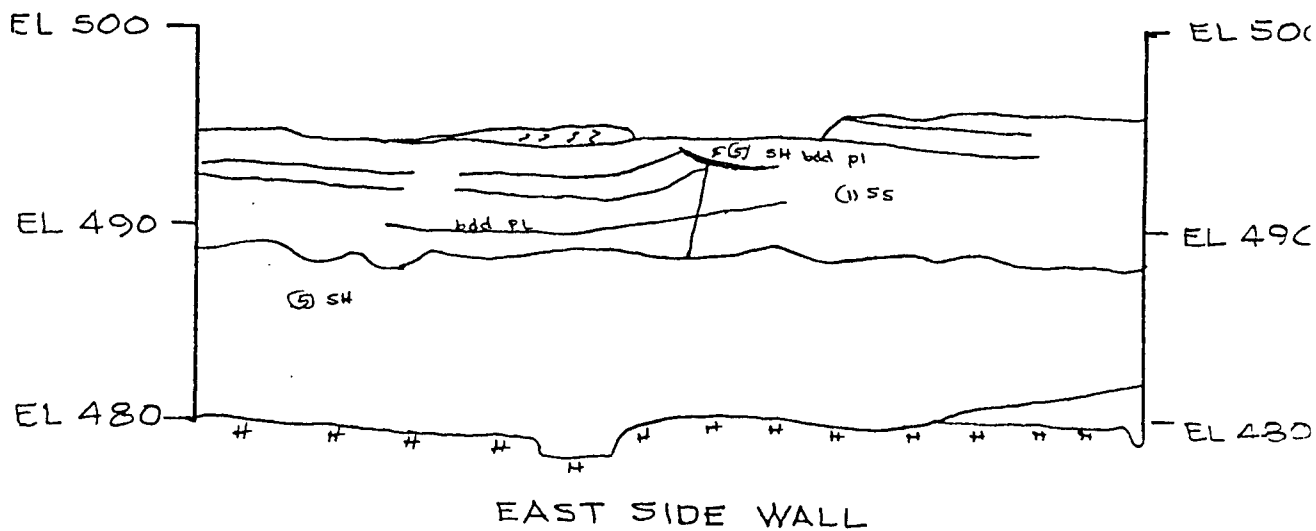


L 11/10 STEP

U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Wall Monolith 10





U.S. Army Corps of Engineers

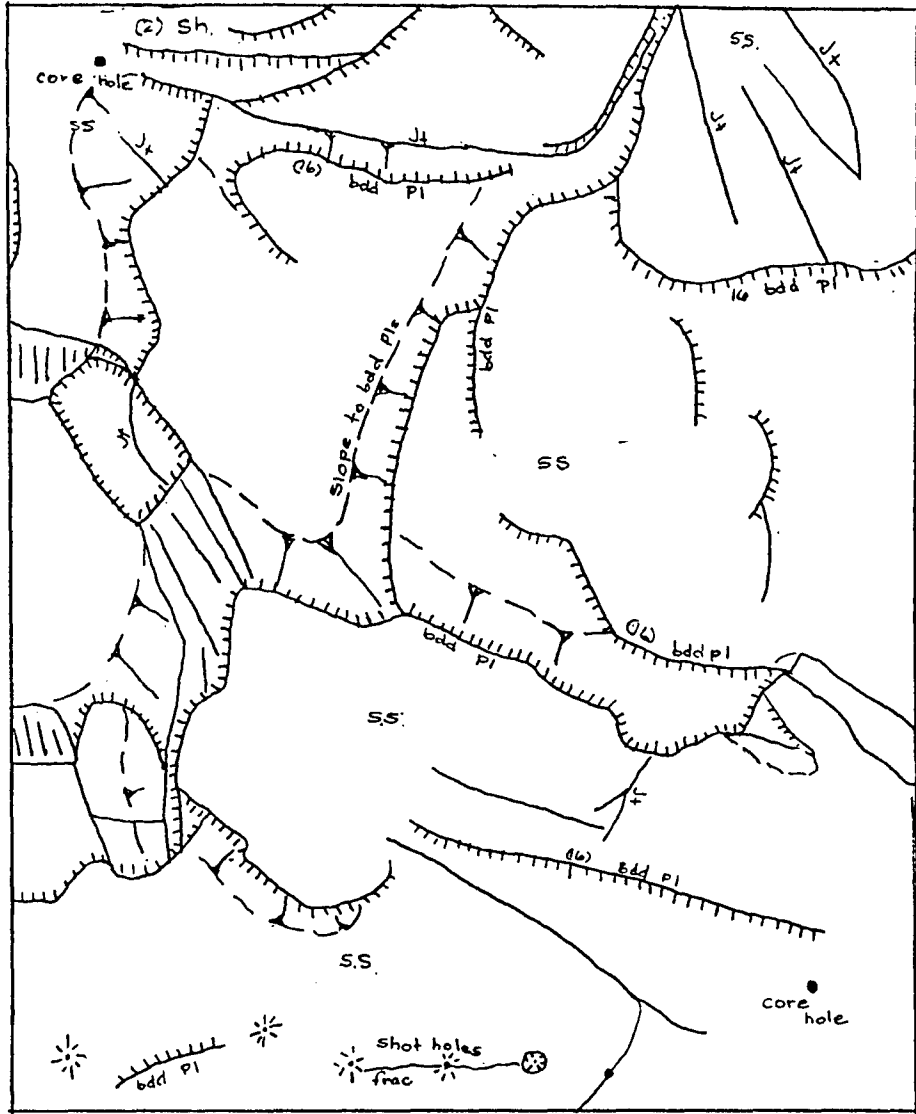
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 11

-STA 7+60

-STA 7+12

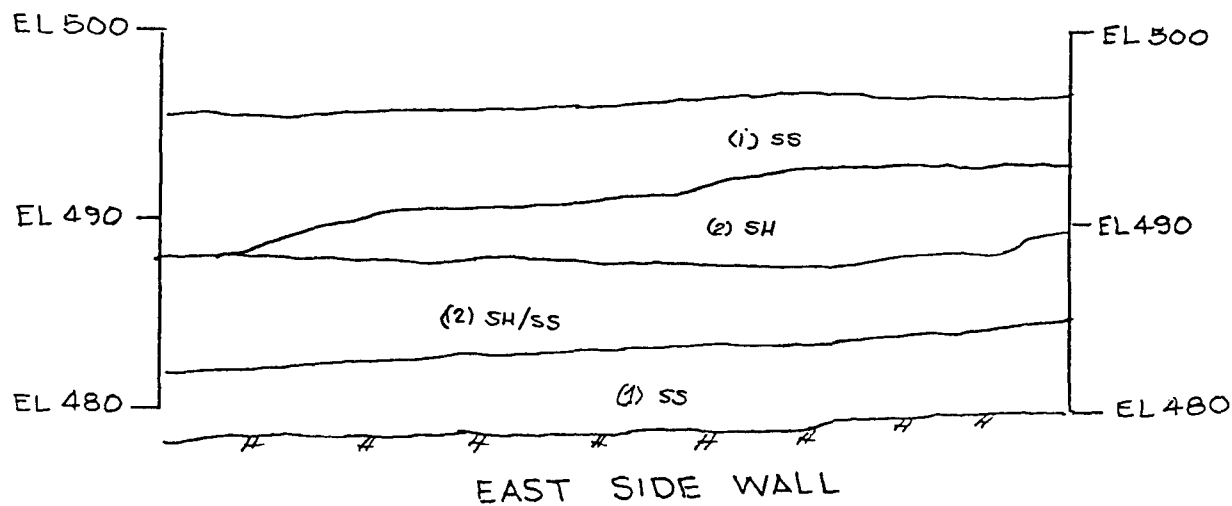
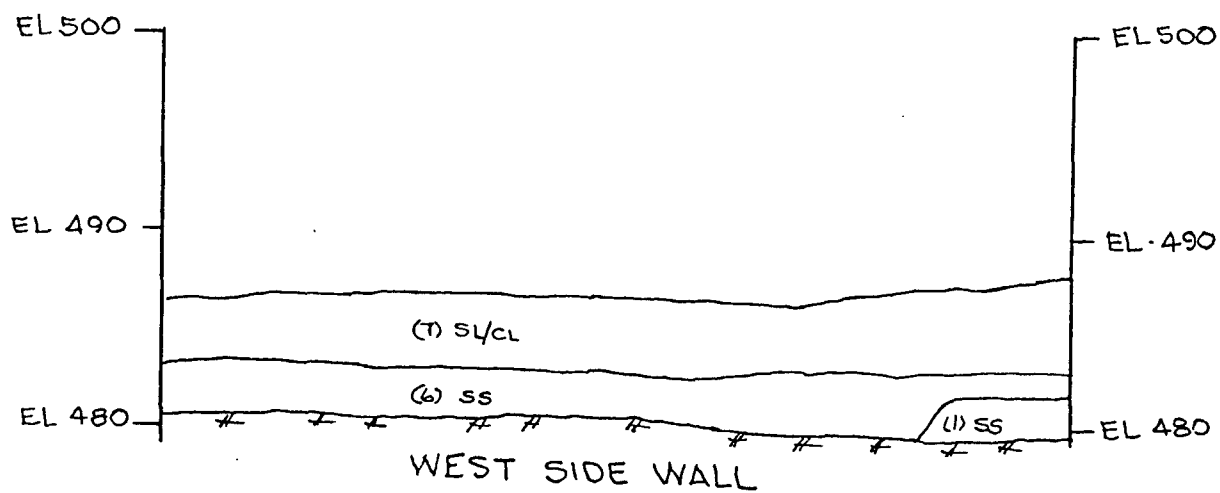
L-11

L-13



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 12



U.S. Army Corps of Engineers

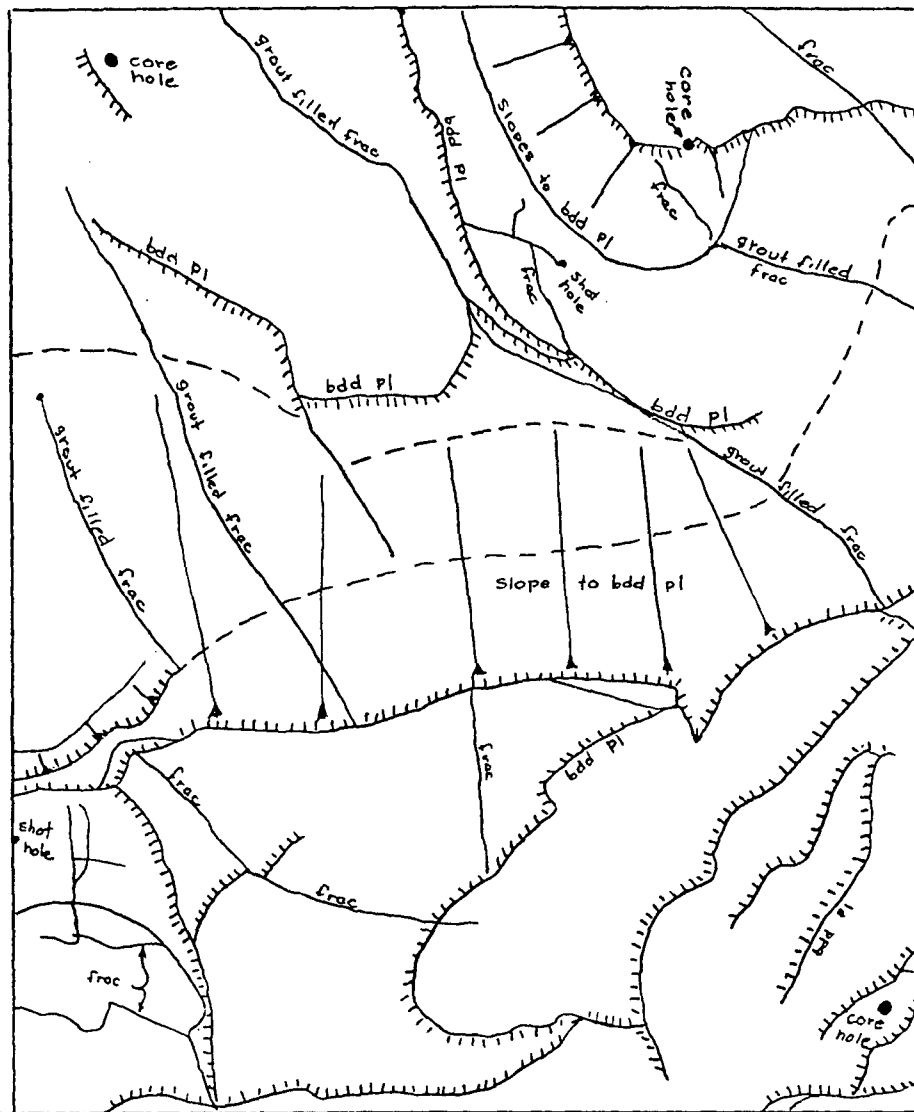
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 12

STA. 7+12B

STA 6+64B

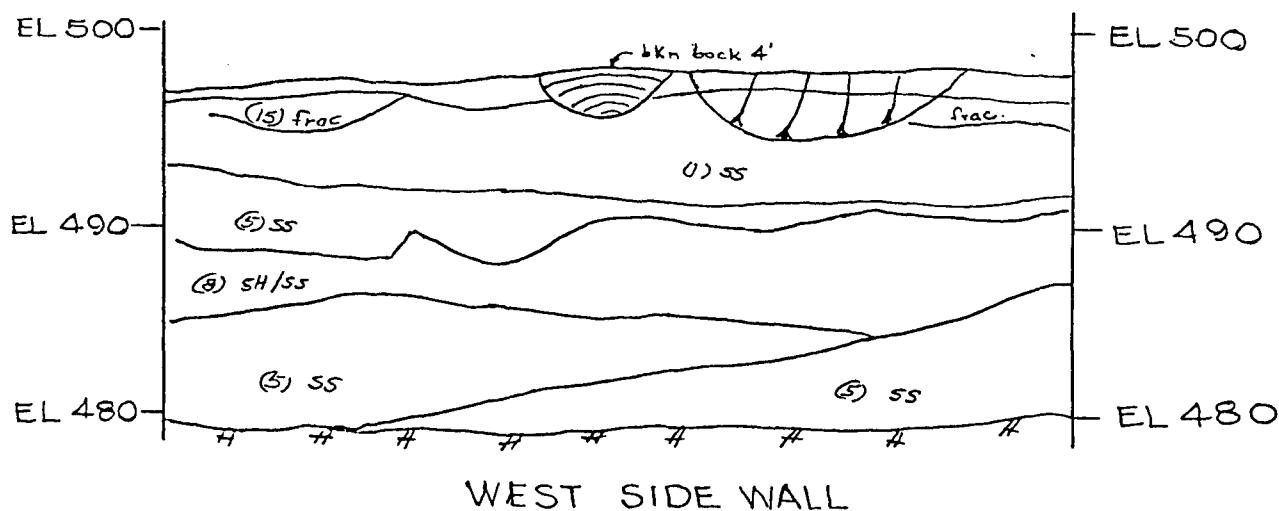
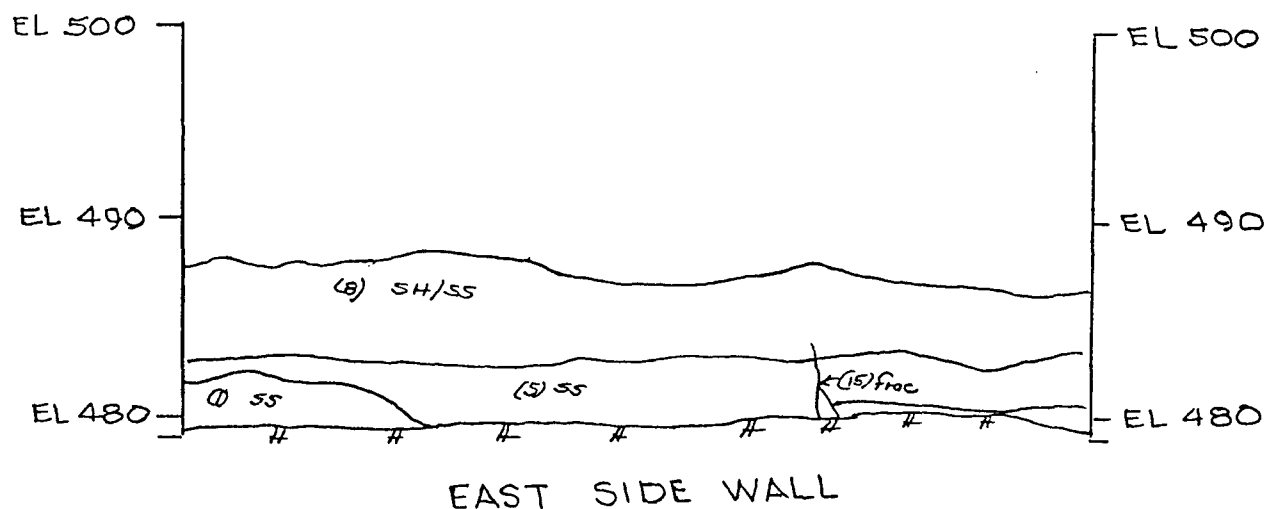
L12

L-14



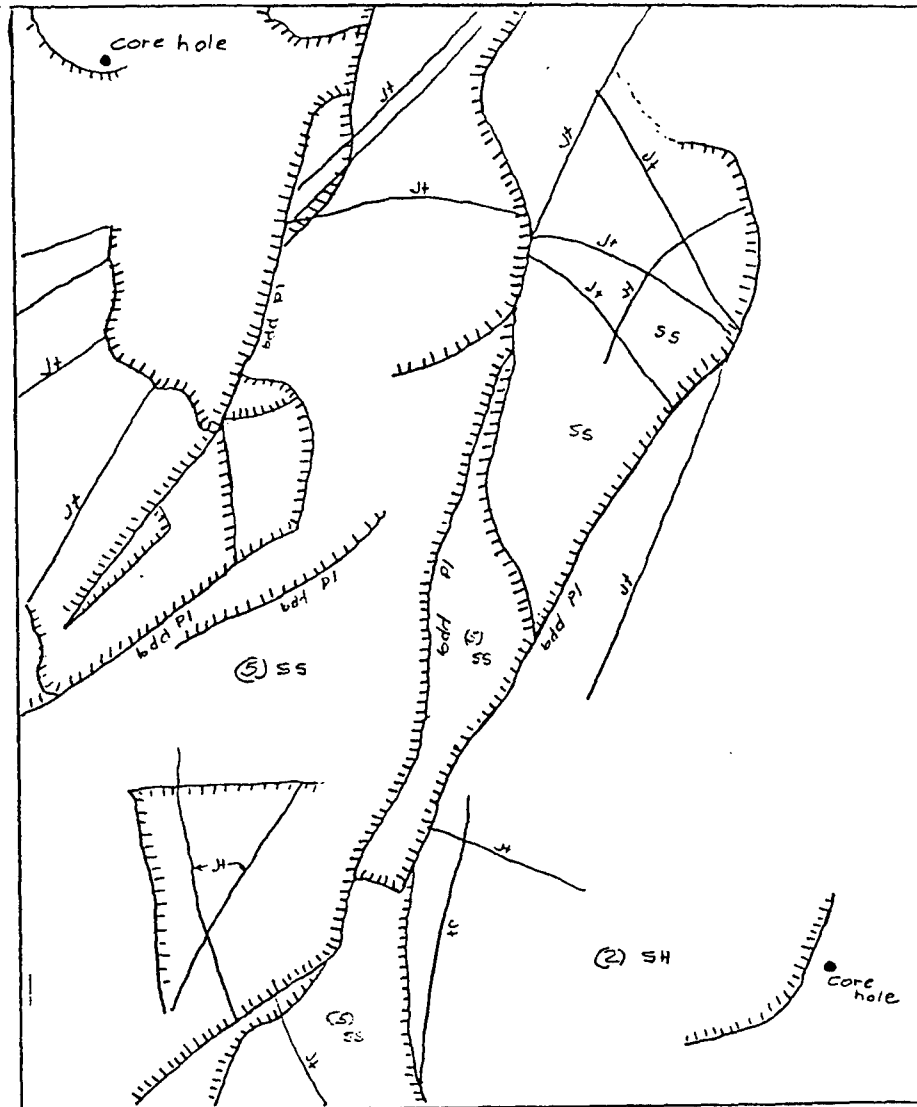
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 13



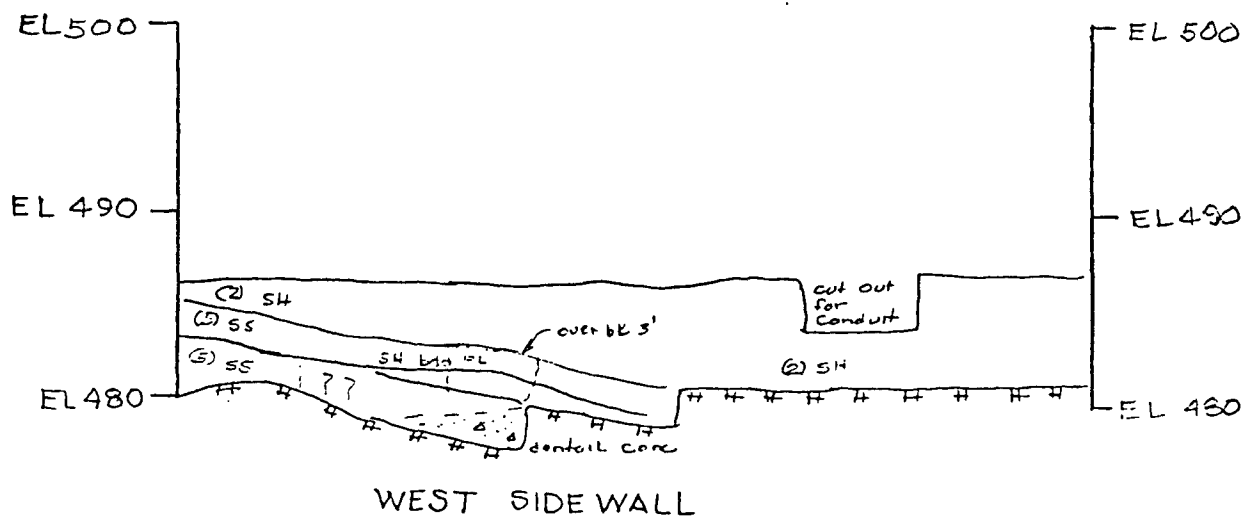
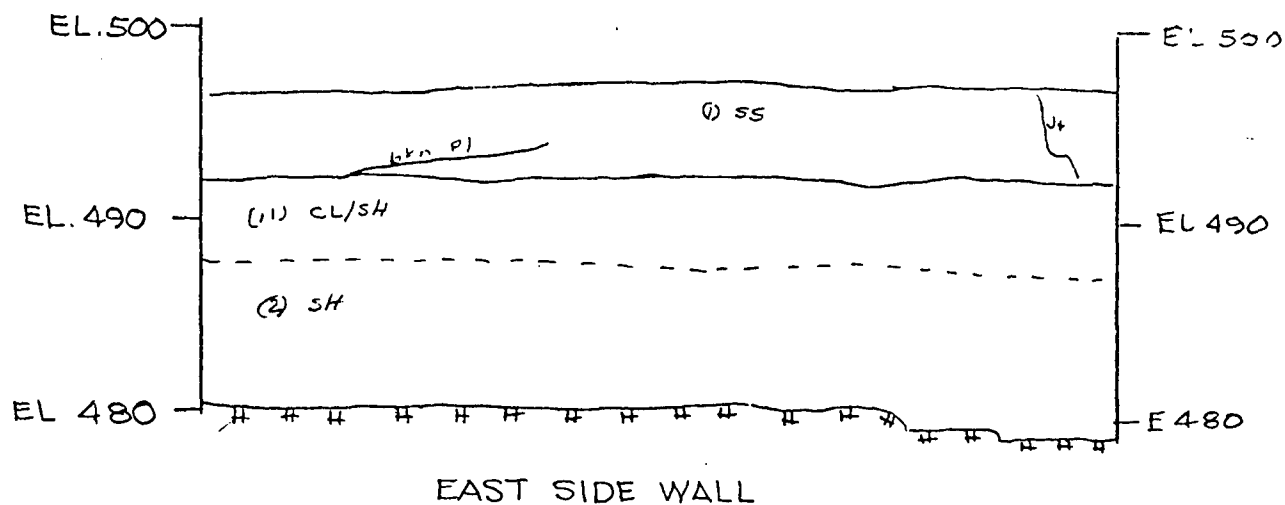
STA-6+64 B

STA-6+10 B



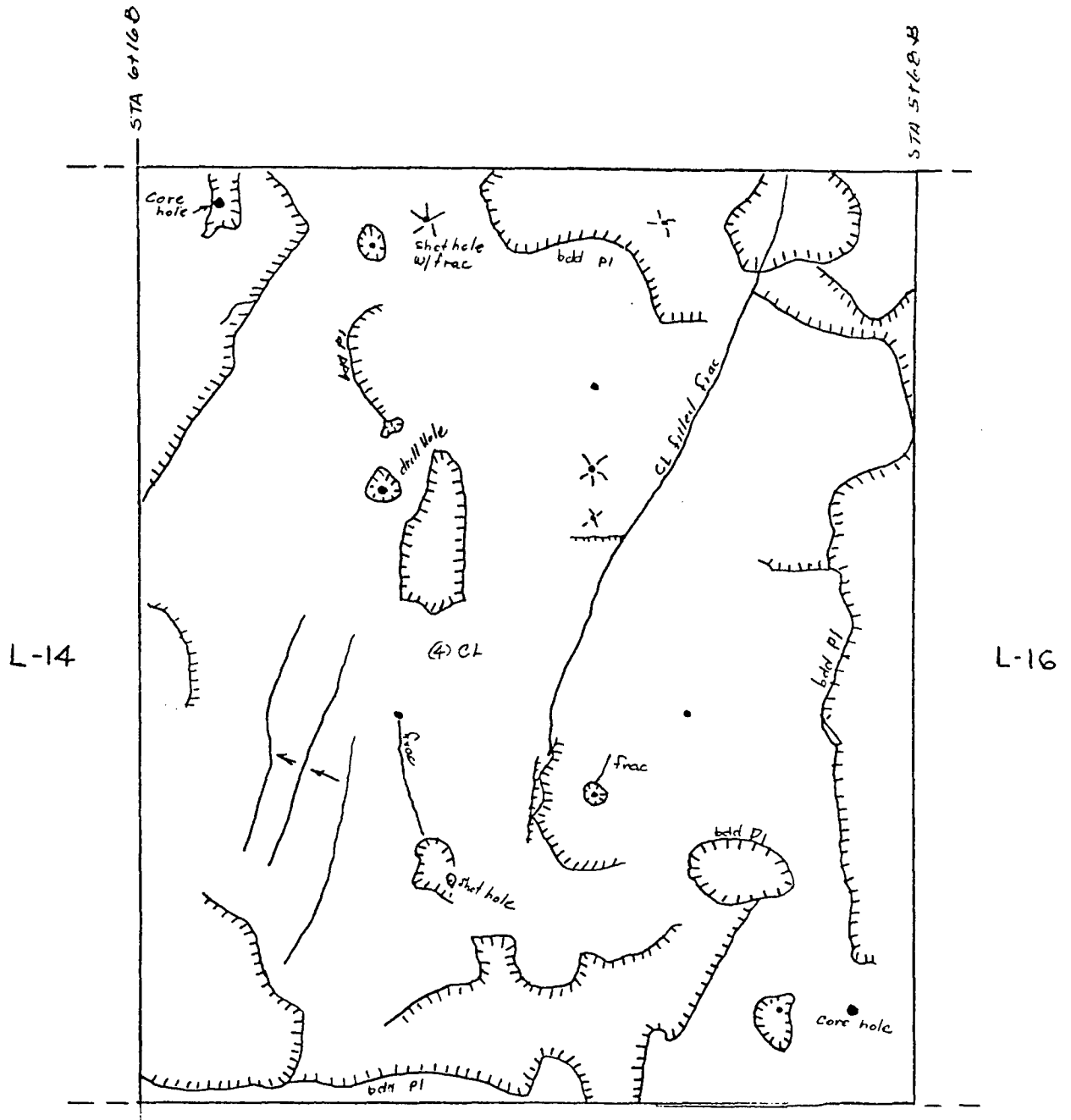
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 14



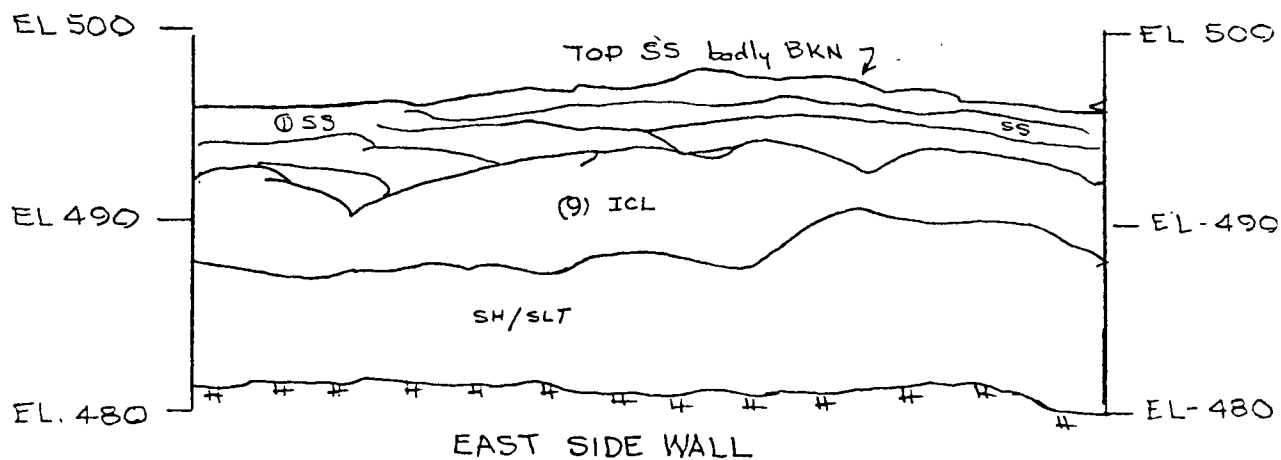
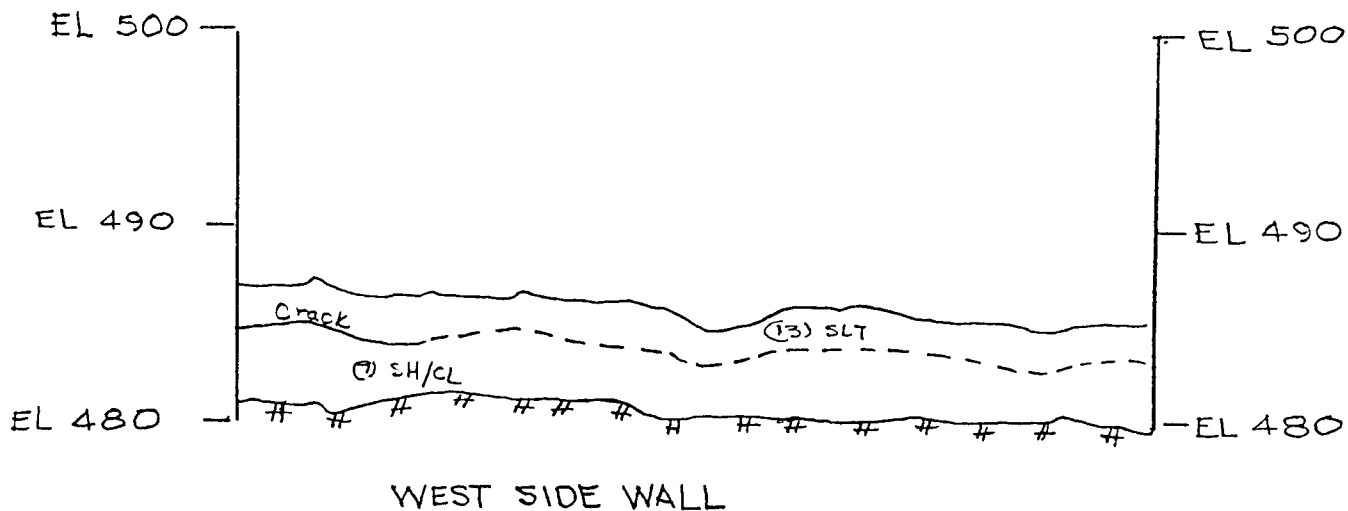
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 14



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 15



U.S. Army Corps of Engineers

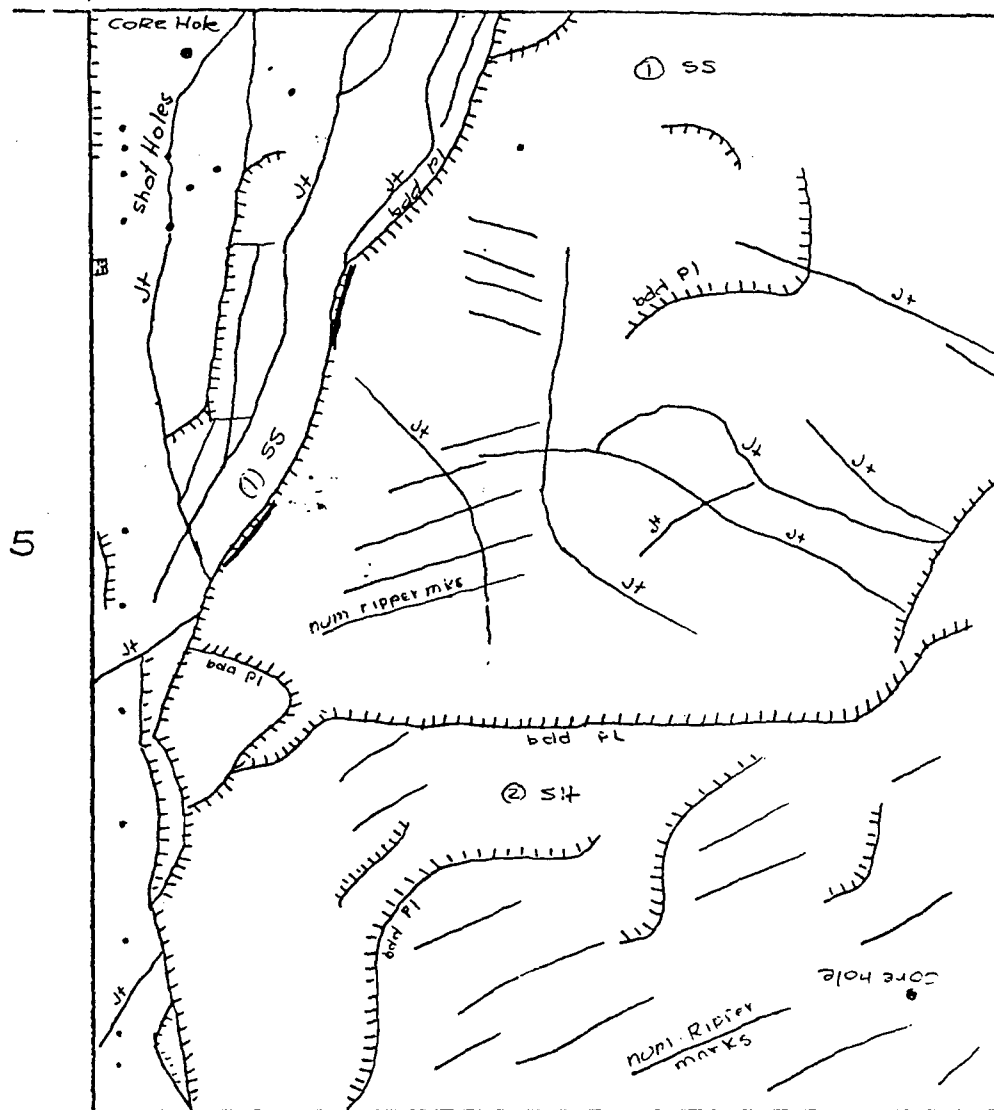
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 15

STA. 5+688

STA. 5+20B

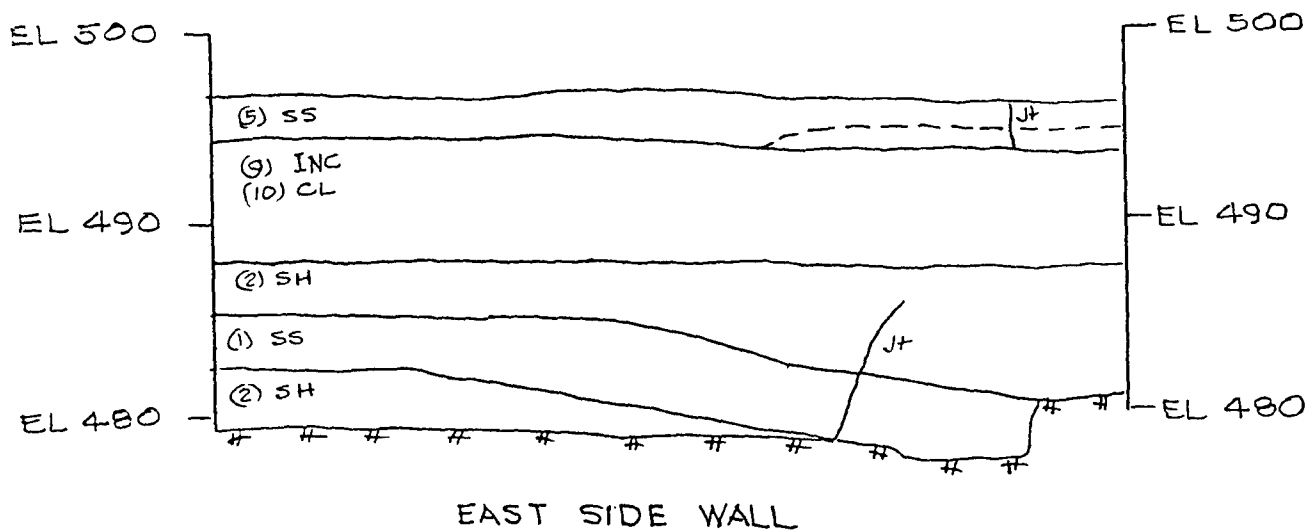
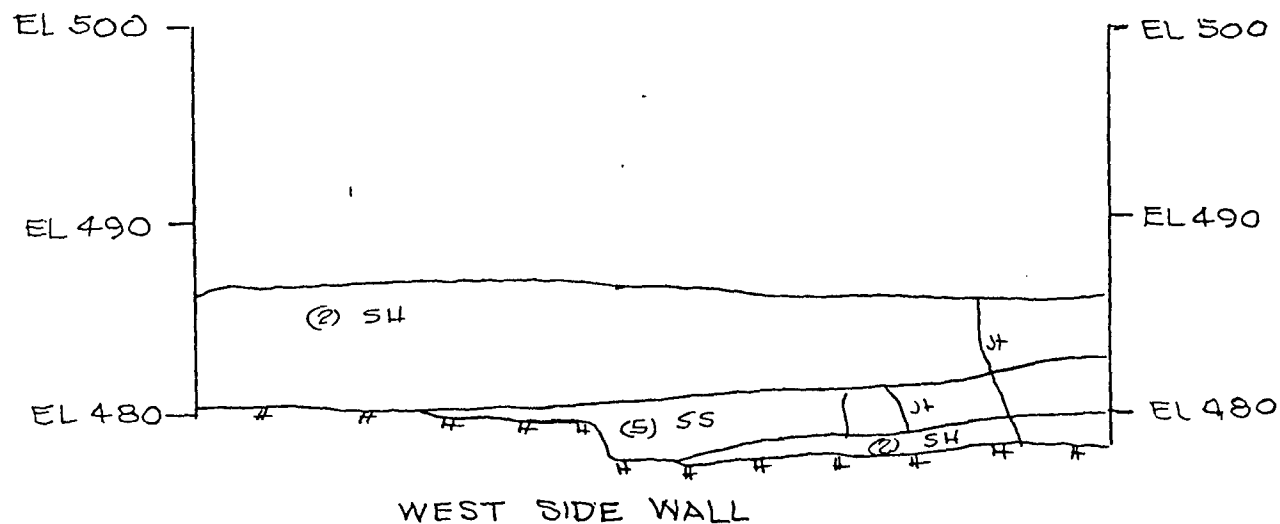
L-15

L-17



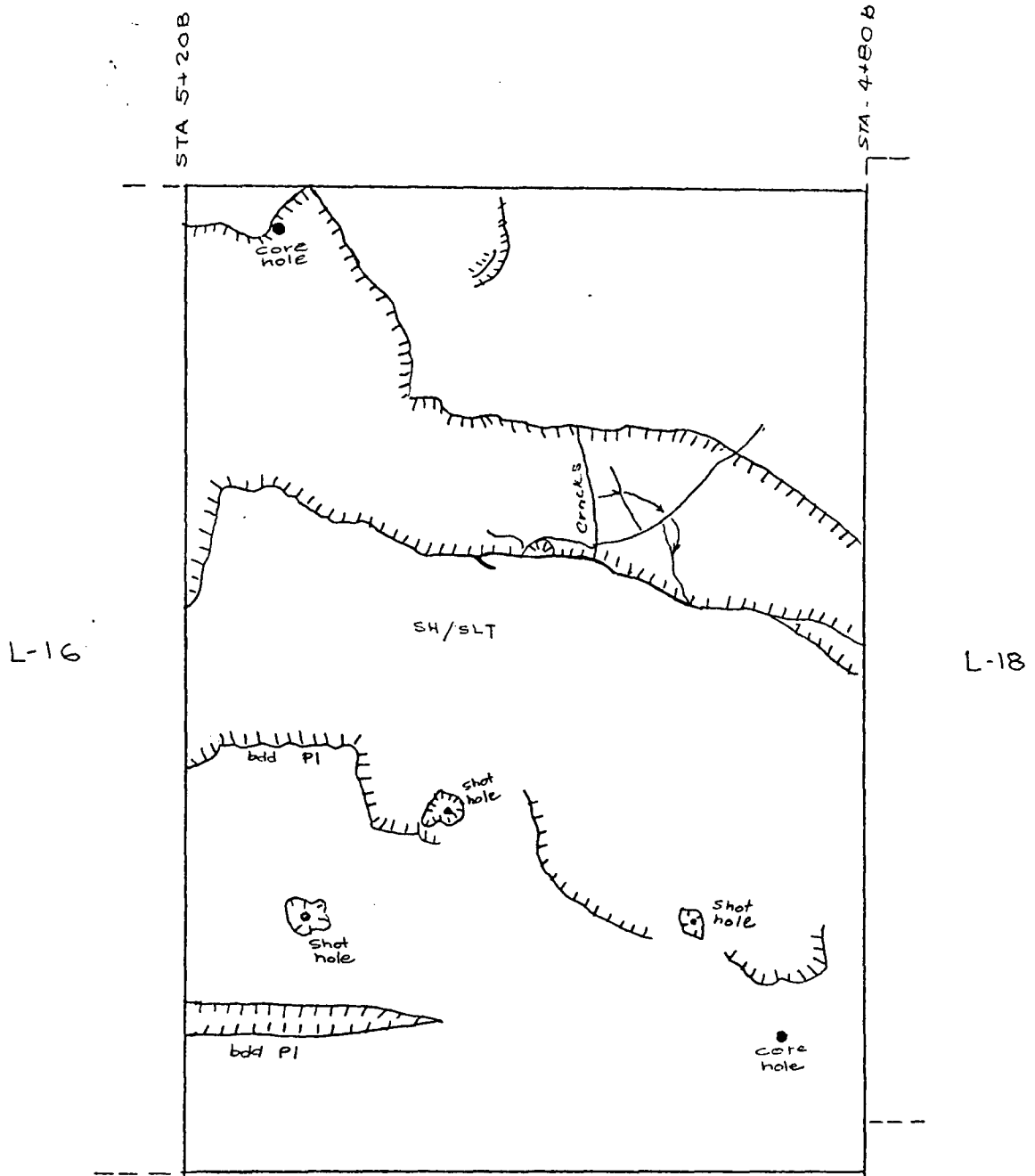
U.S. Army Corps of Engineers

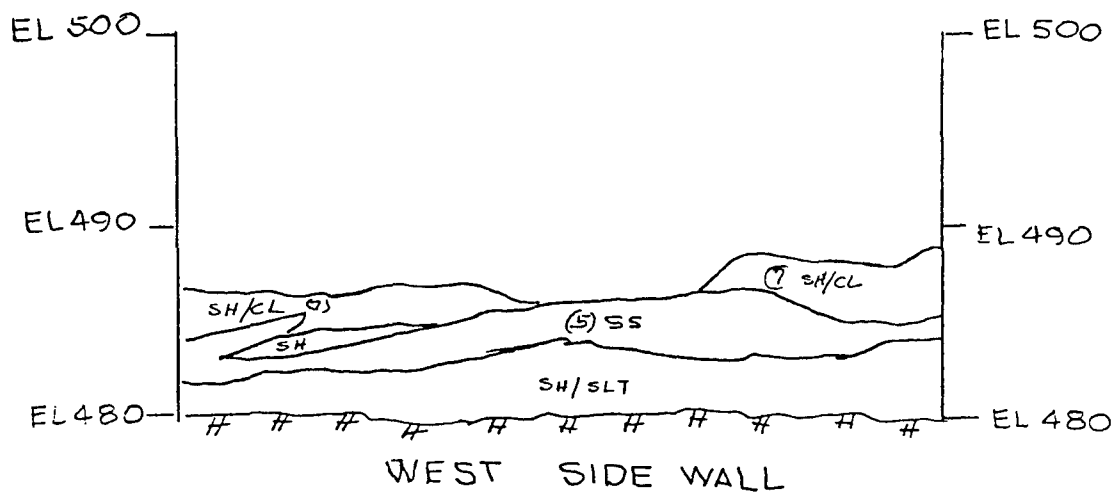
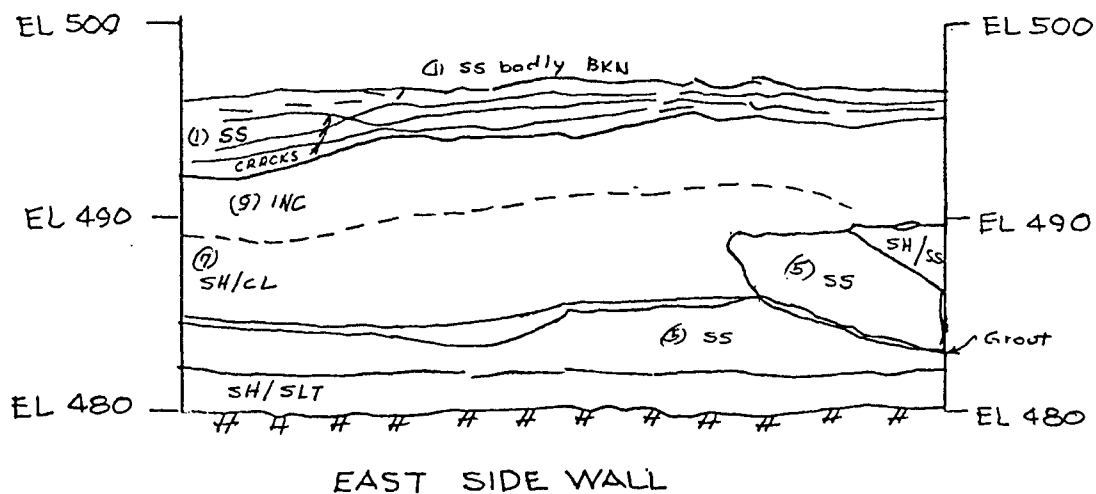
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Wall Monolith 16



U.S. Army Corps of Engineers

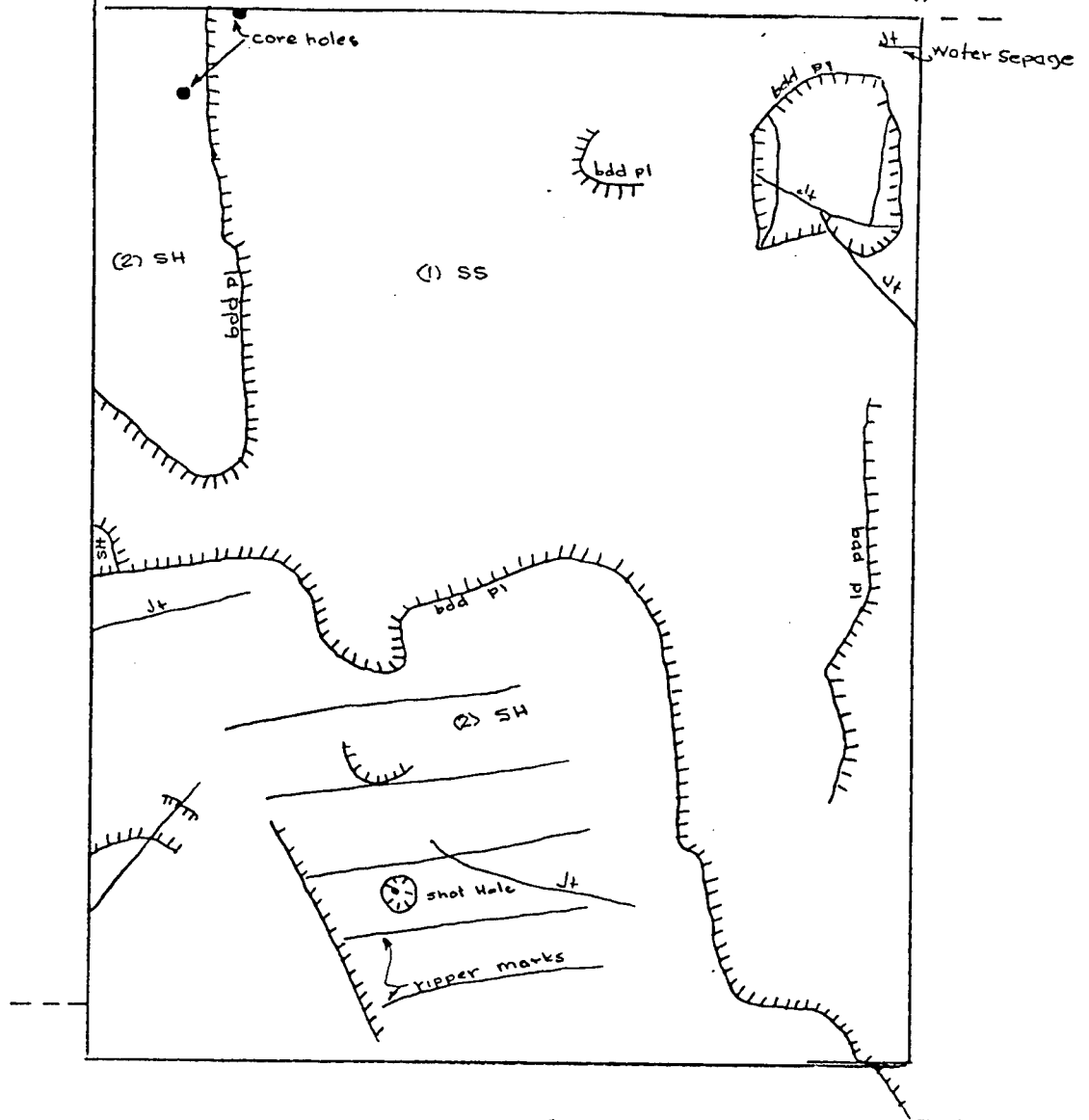
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Wall Monolith 16





STA 4+80

STA 4+35B



U.S. Army Corps of Engineers

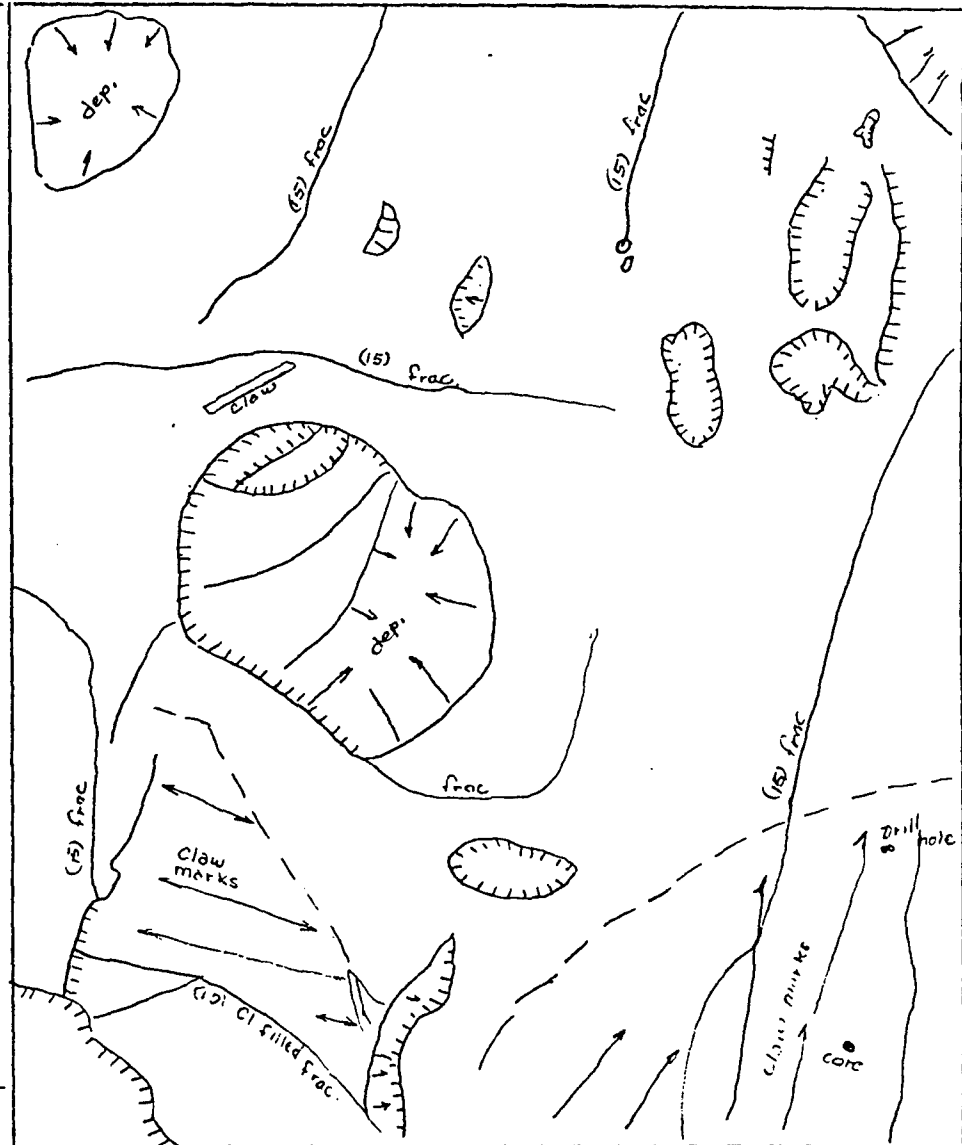
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Wall Monolith 18

STA 4+35 B

STA 3+85 B

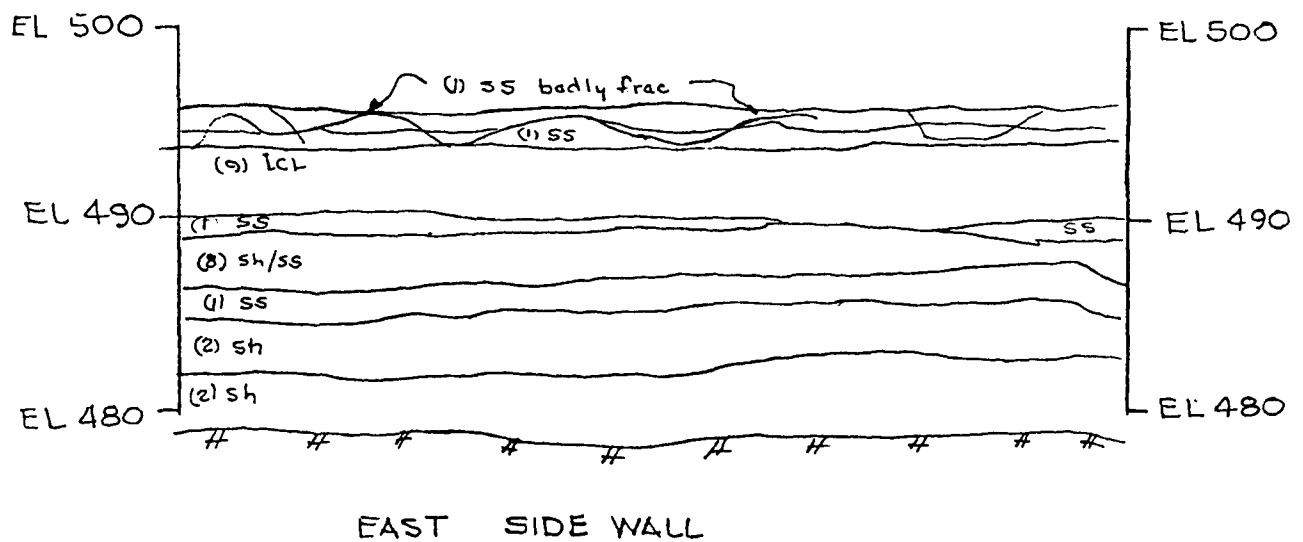
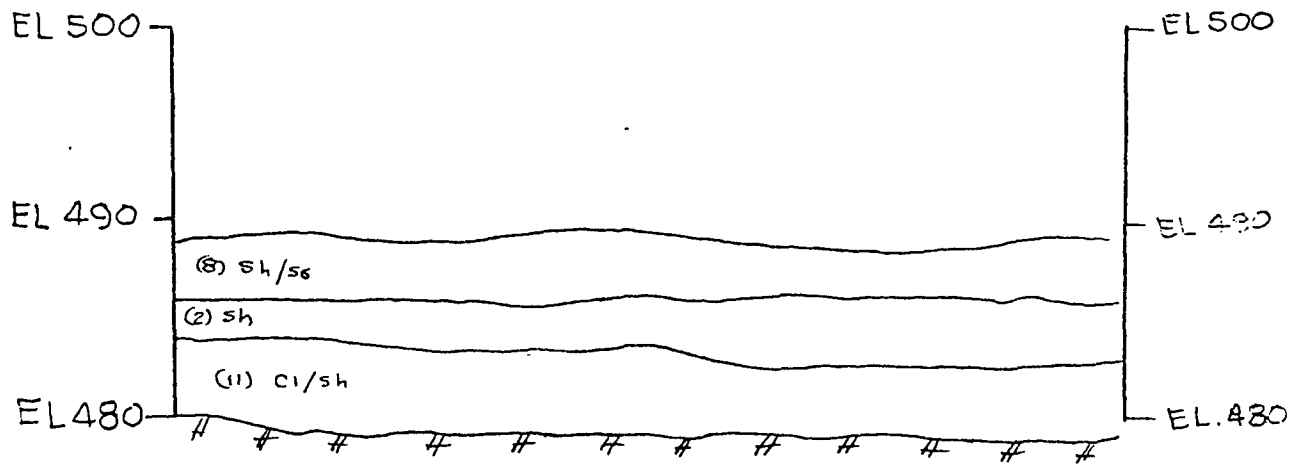
L-18

L-20



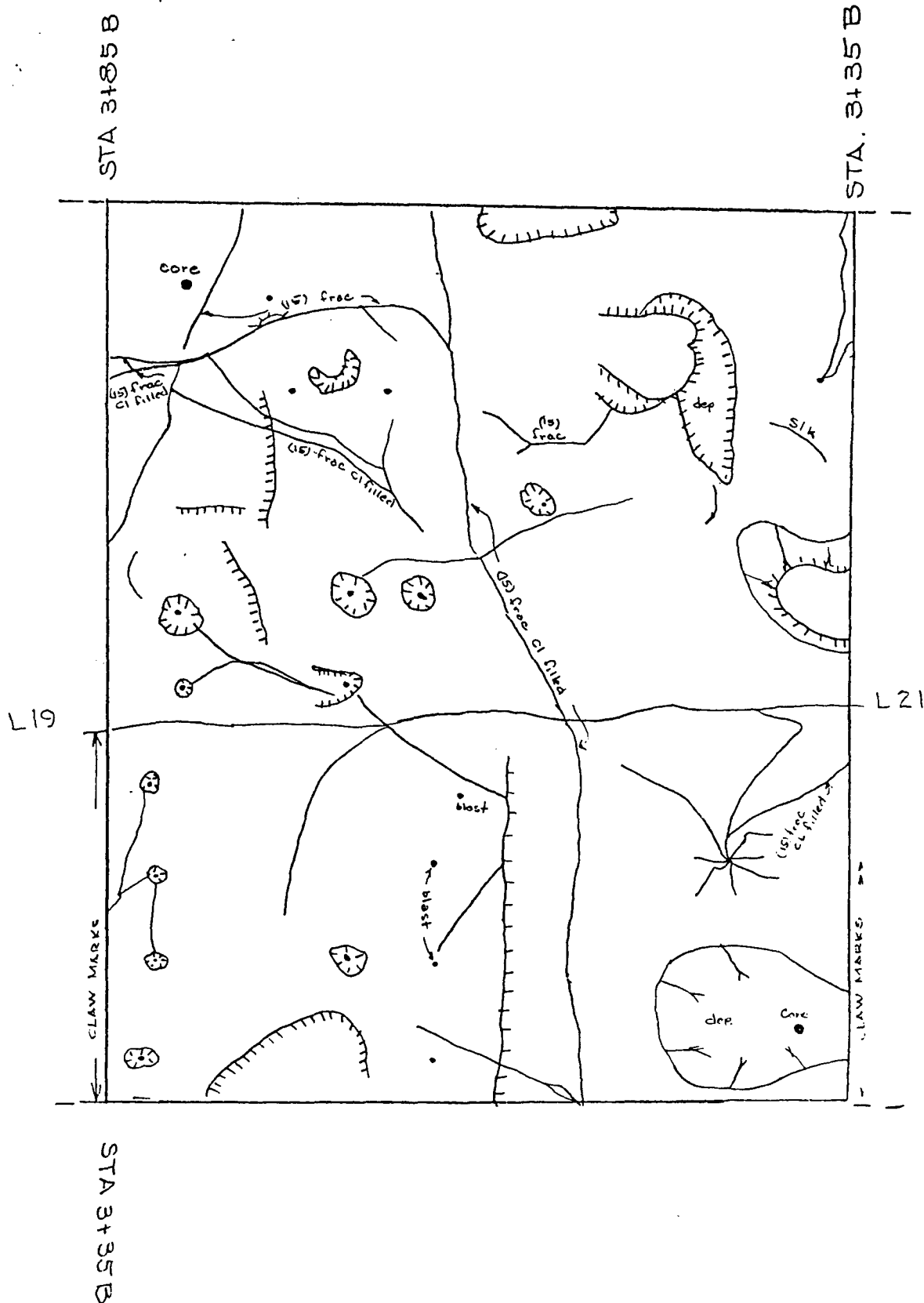
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Wall Monolith 19



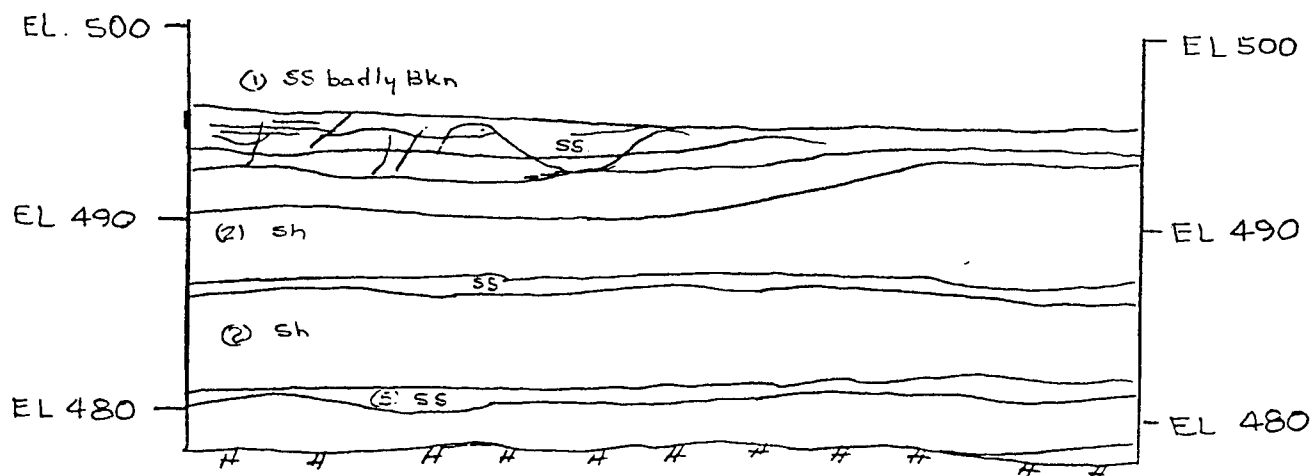
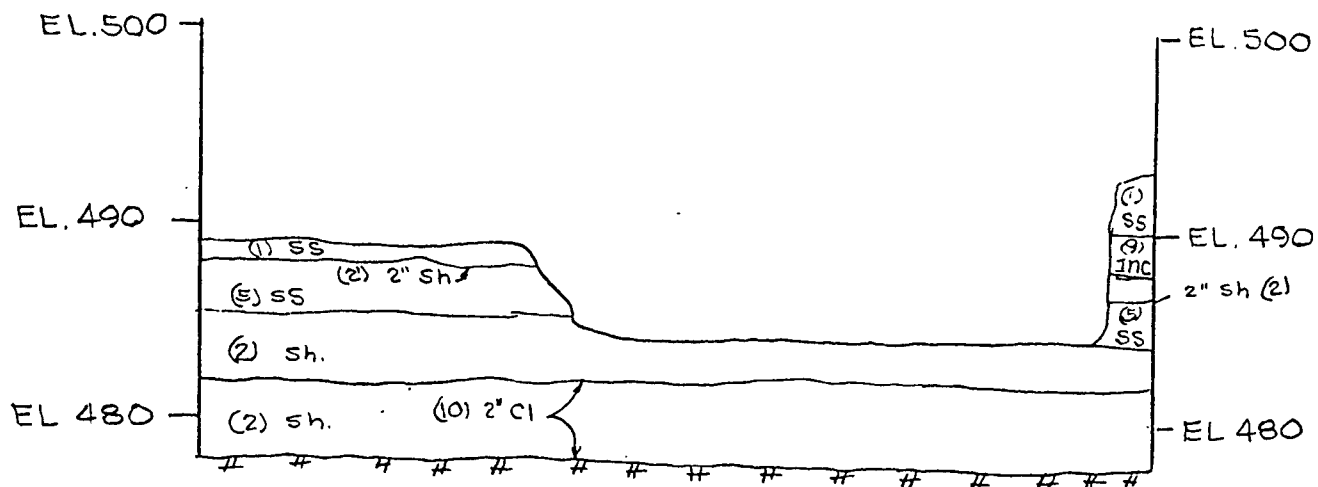
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Wall Monolith 19



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Wall Monolith 20



U.S. Army Corps of Engineers

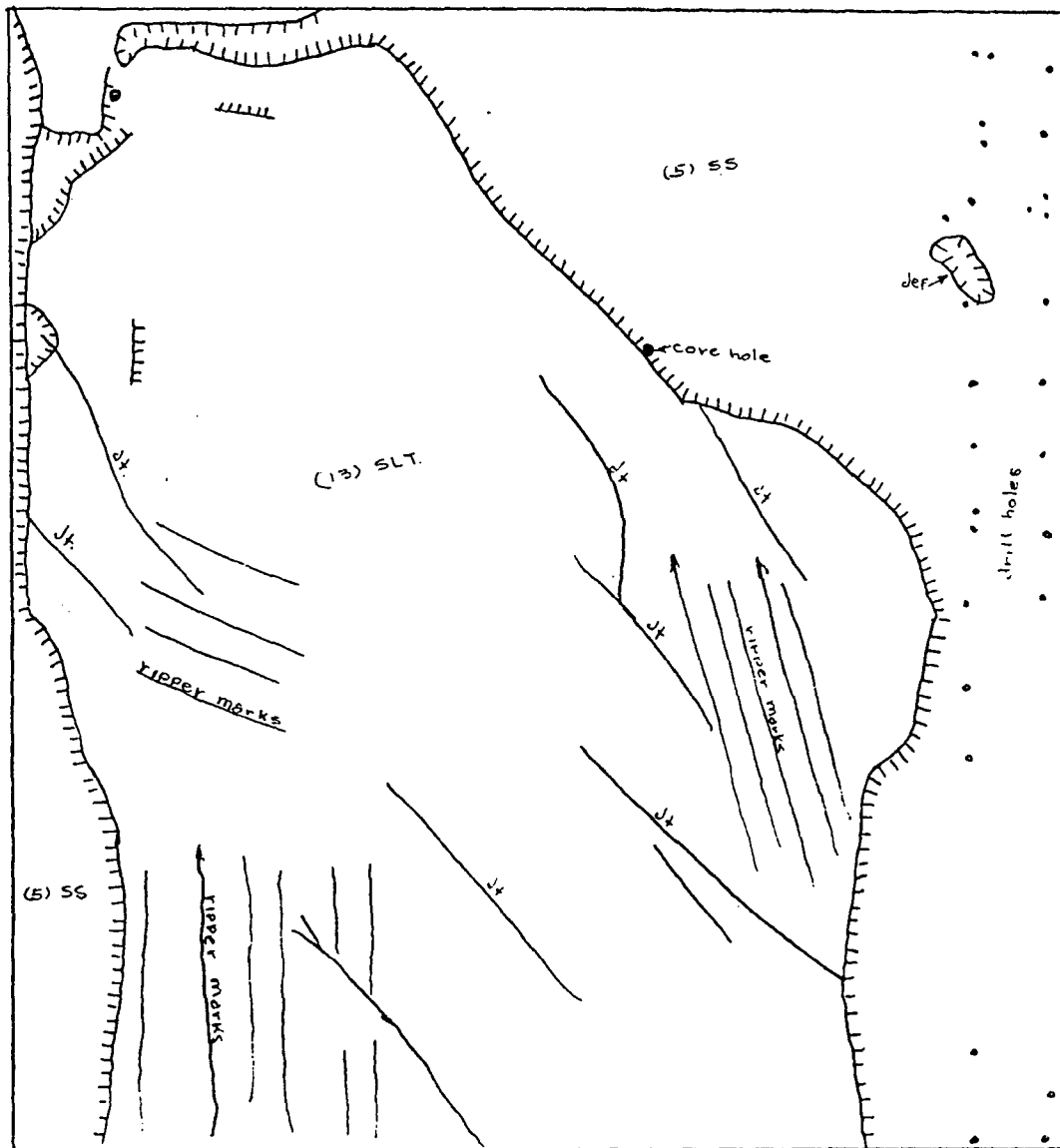
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Wall Monolith 20

STA 3+35B

STA 2+79B

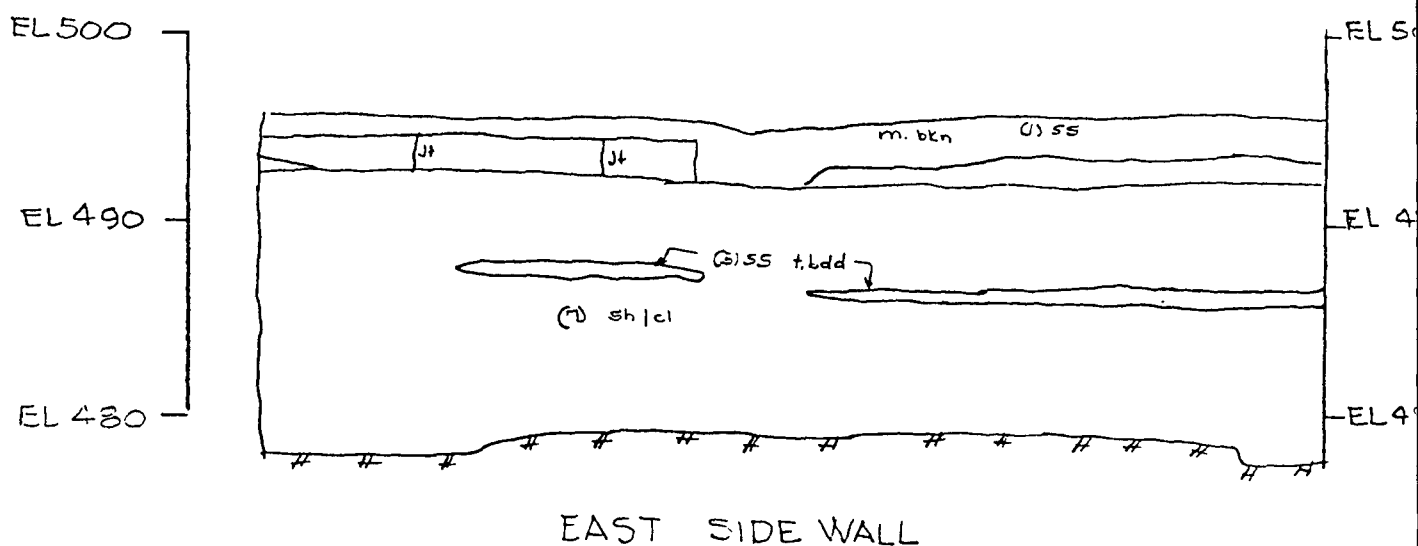
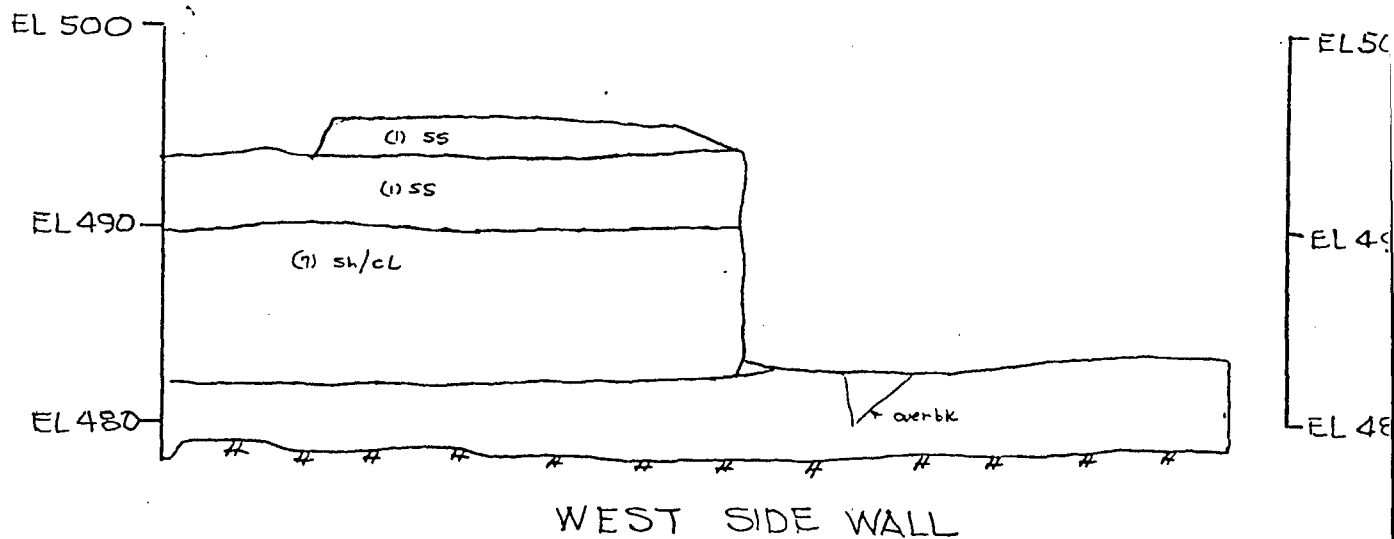
L-20

L-20



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 21



U.S. Army Corps of Engineers

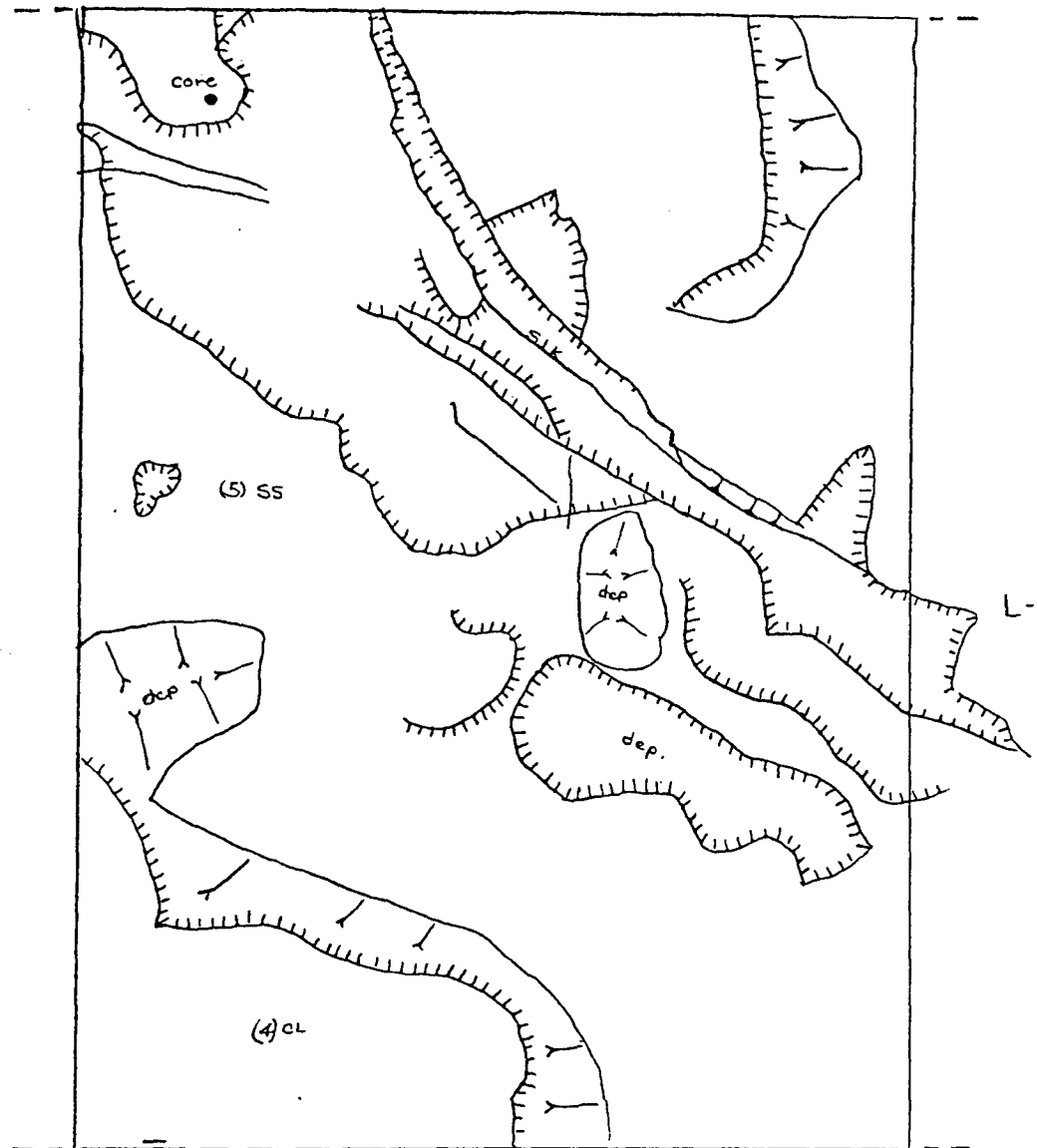
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 21

STA 2+79 B

STA. 2+35 B

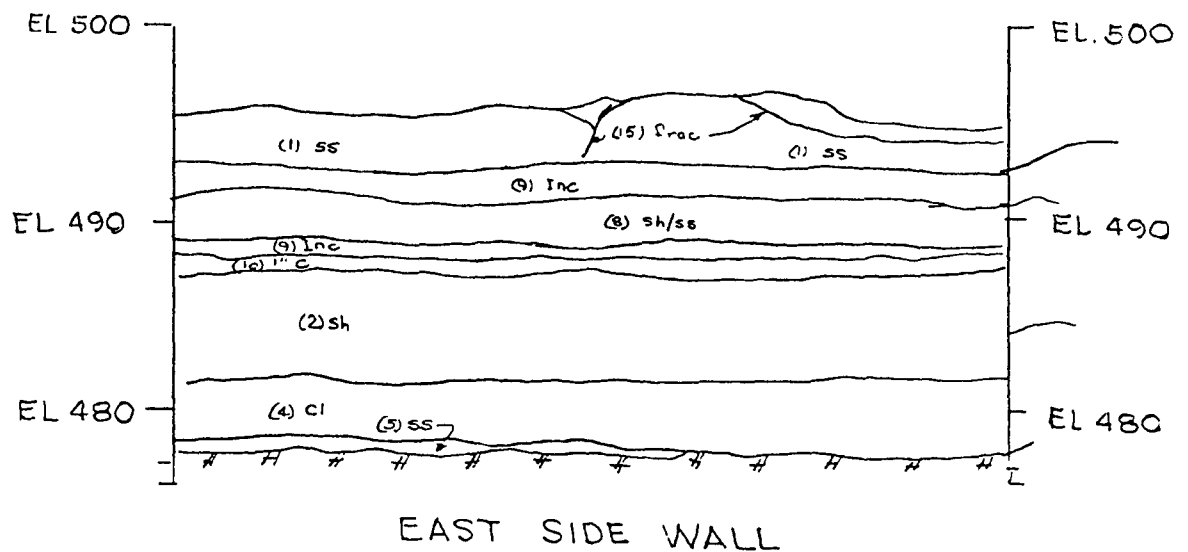
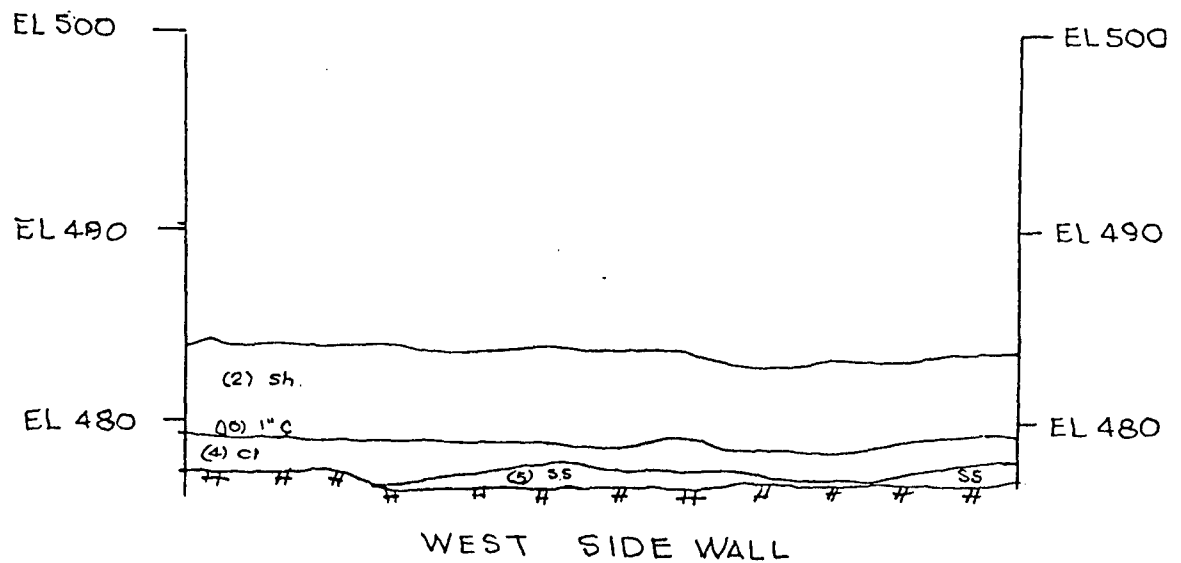
L-21

L-23



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 22



U.S. Army Corps of Engineers

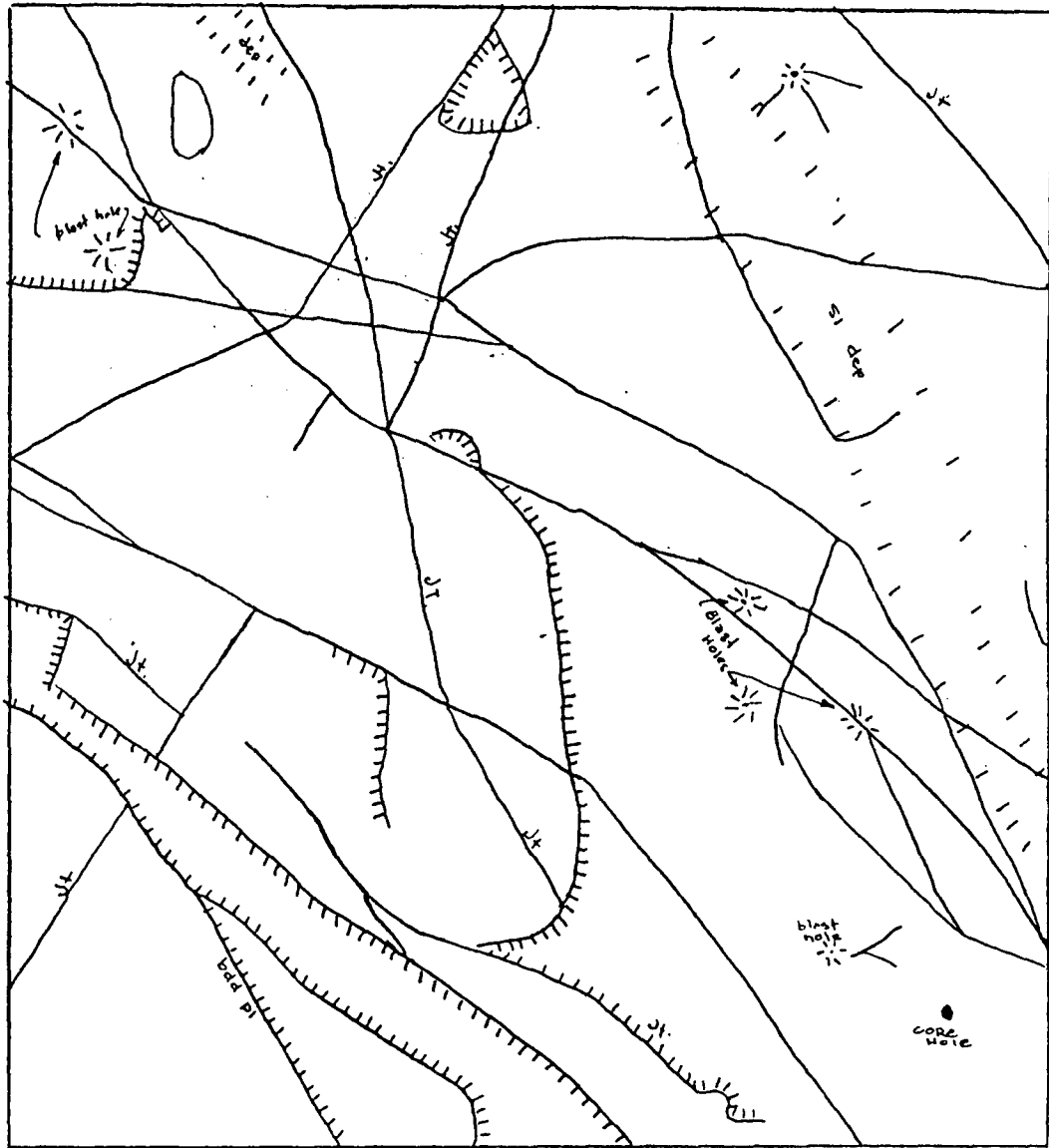
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 22

STA 2+350

STA 1+800

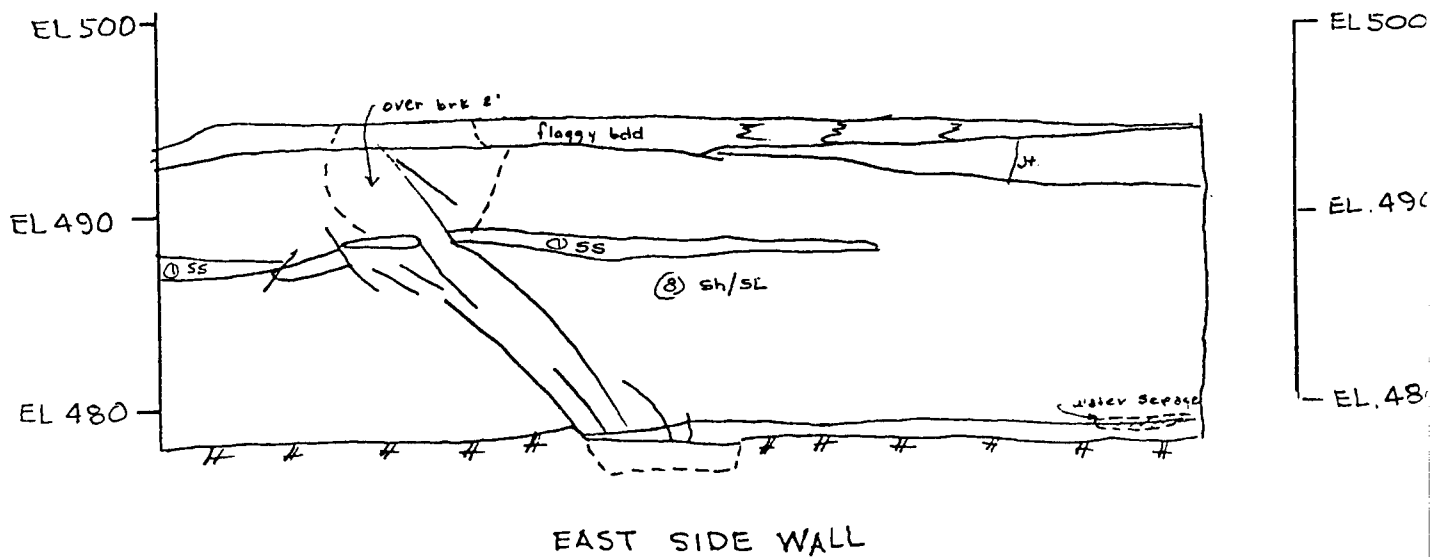
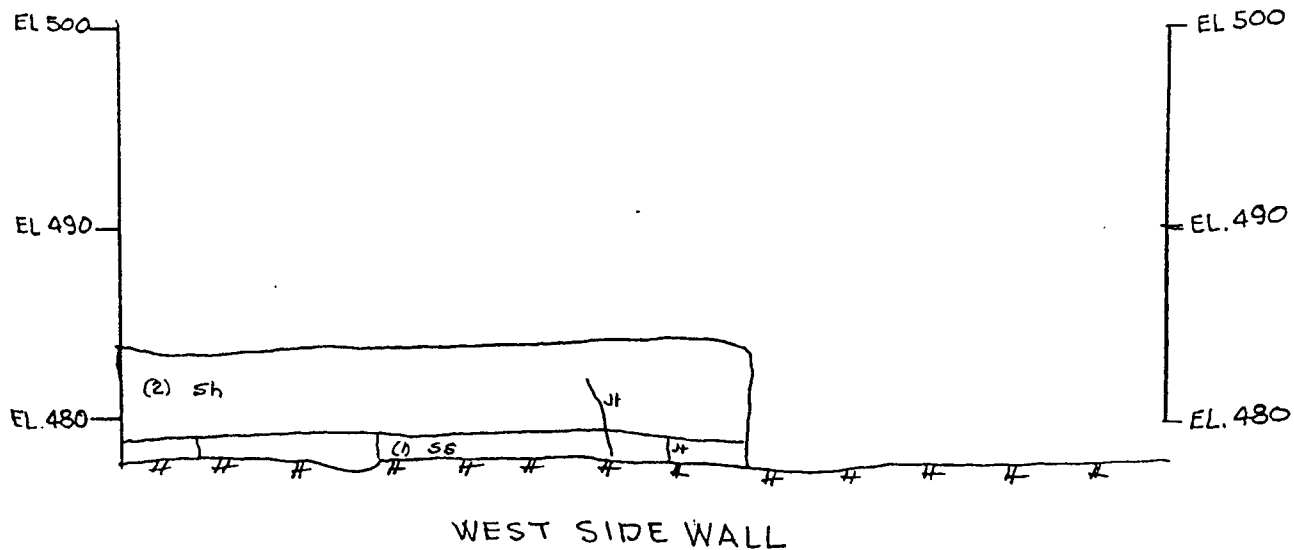
L-22

L-24



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 23



U.S. Army Corps of Engineers

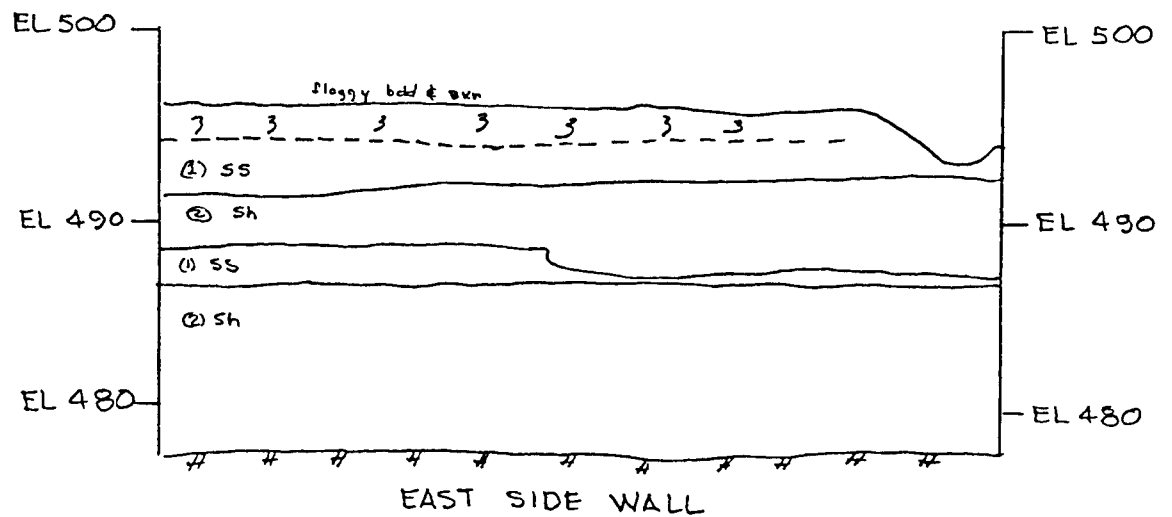
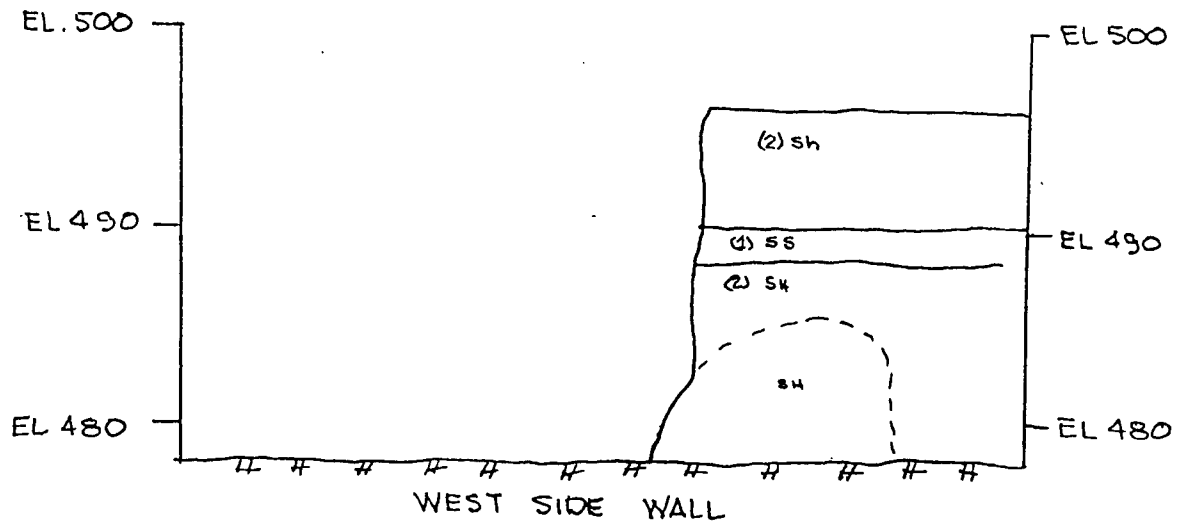
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 23

STA 1435 P



L-25

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 24



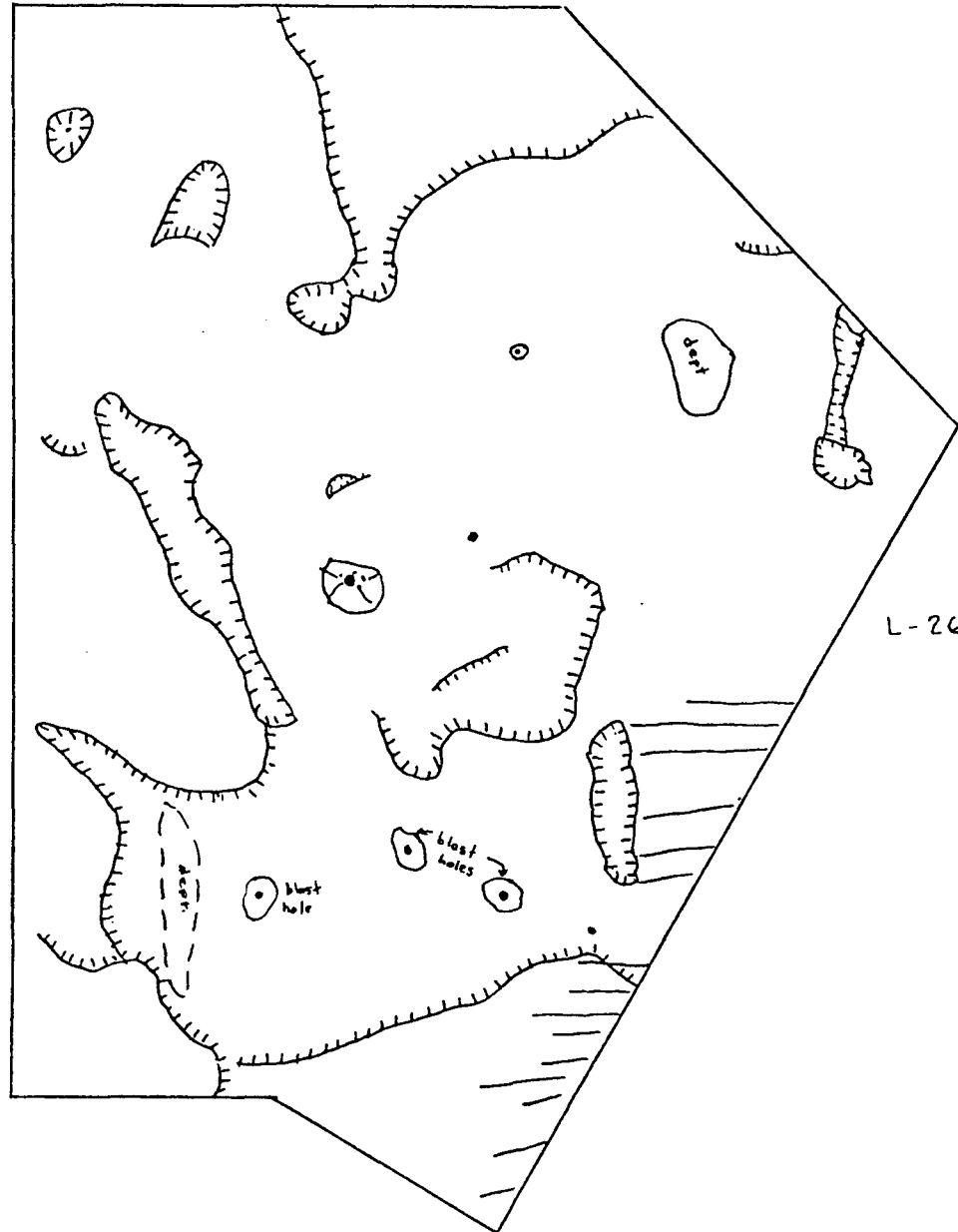
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 24

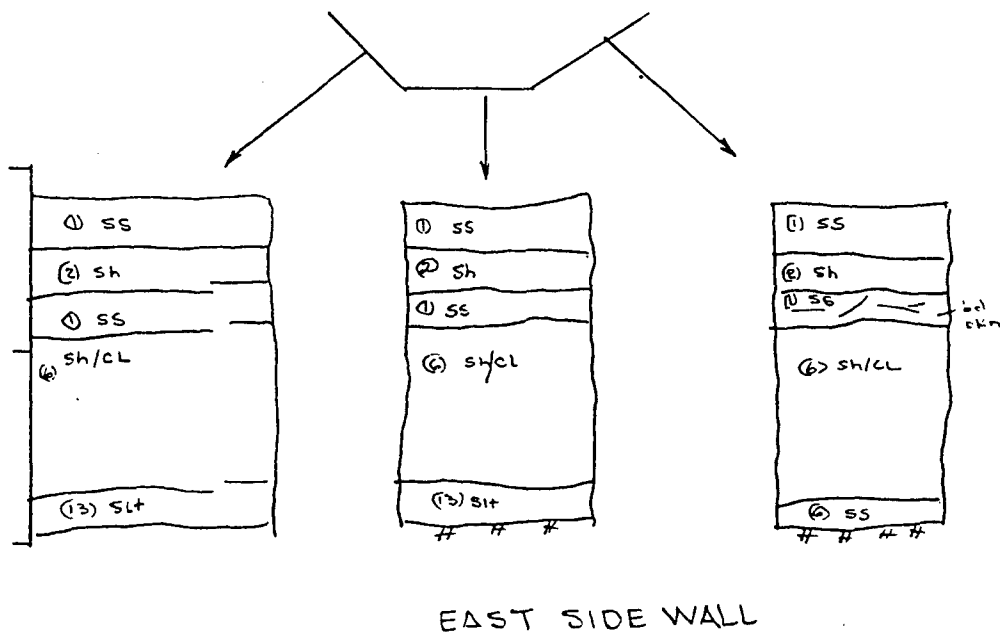
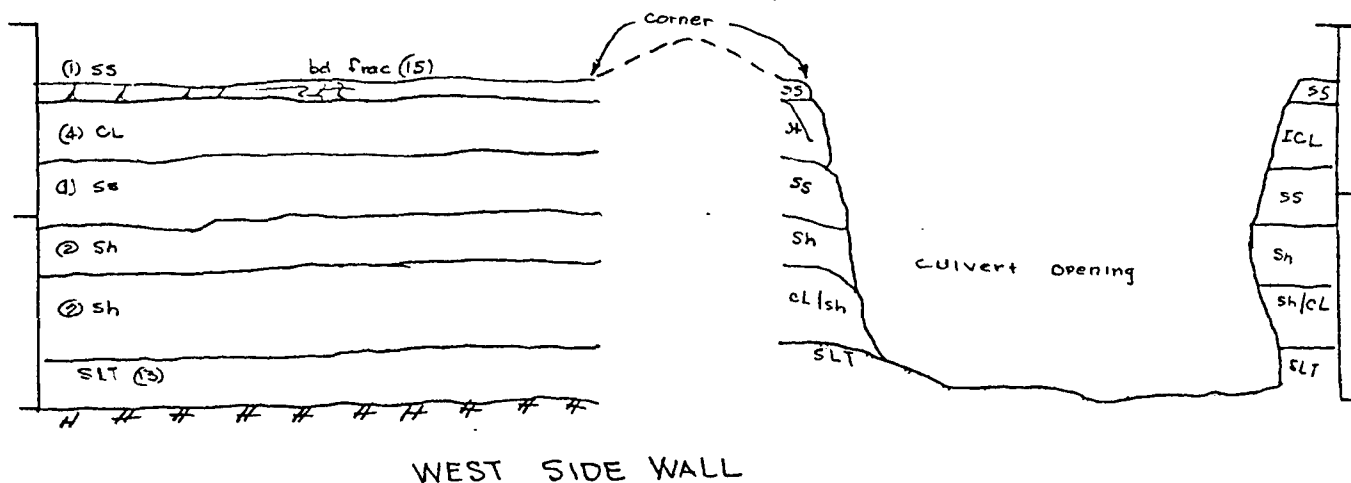
STA 1+35.8

STA 1+05.75

L-24

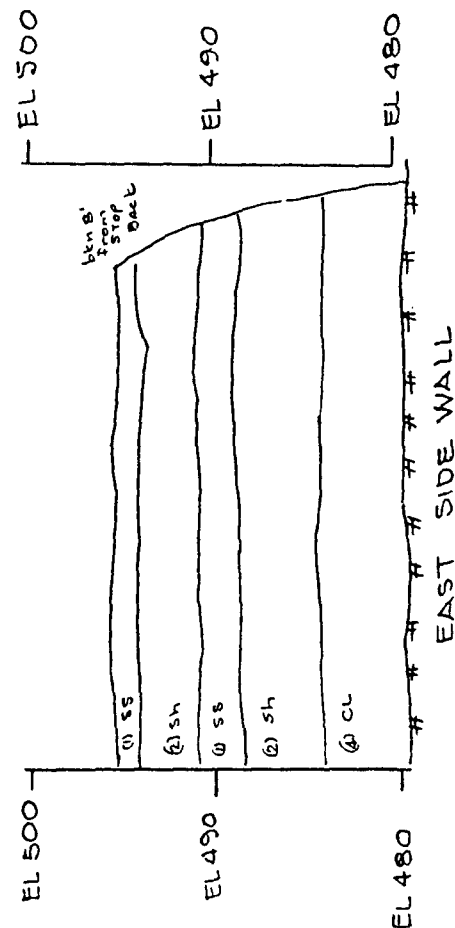
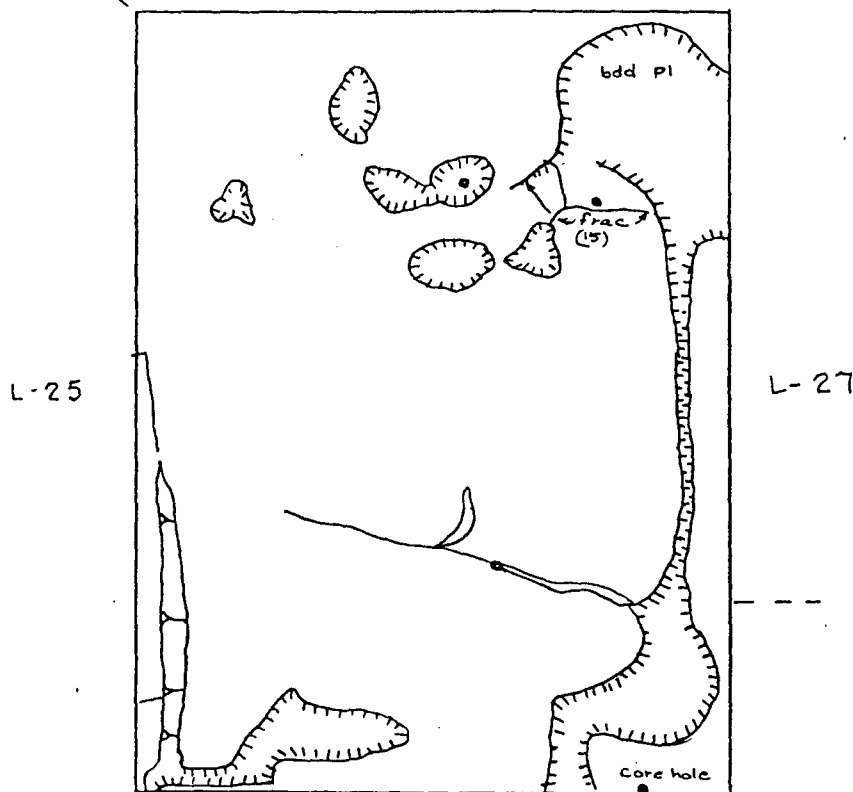
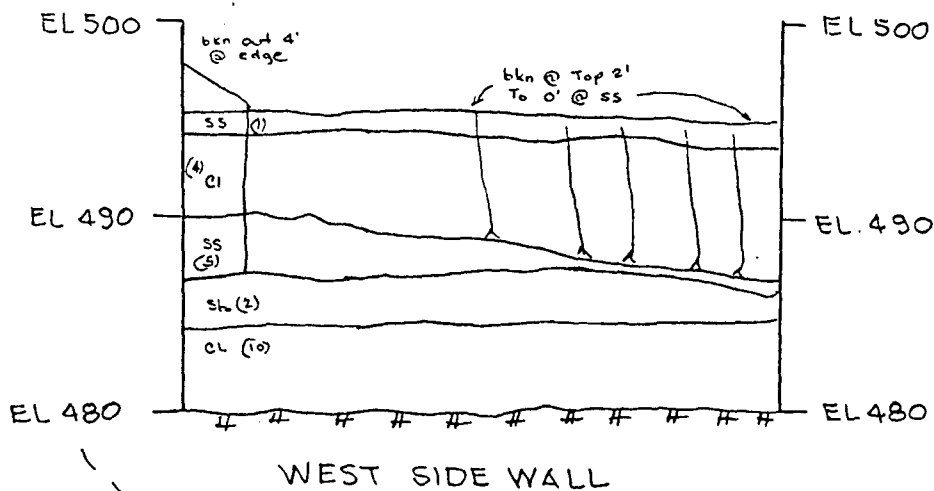


L-26



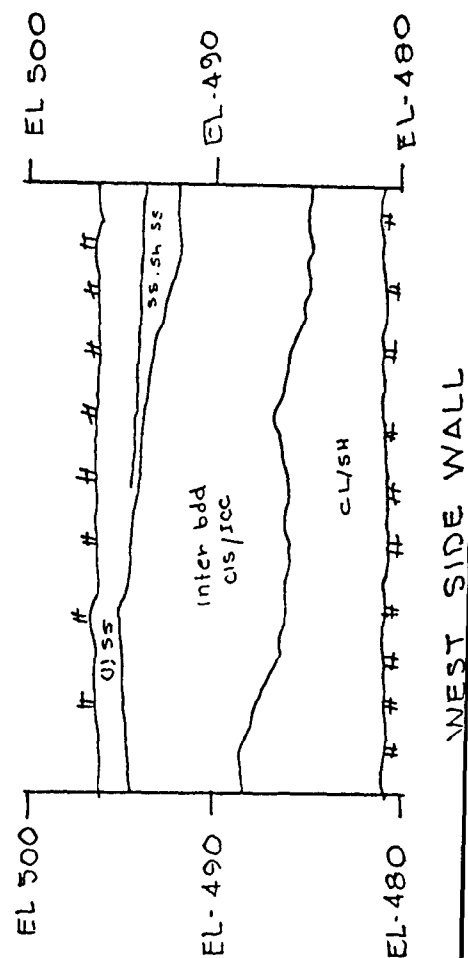
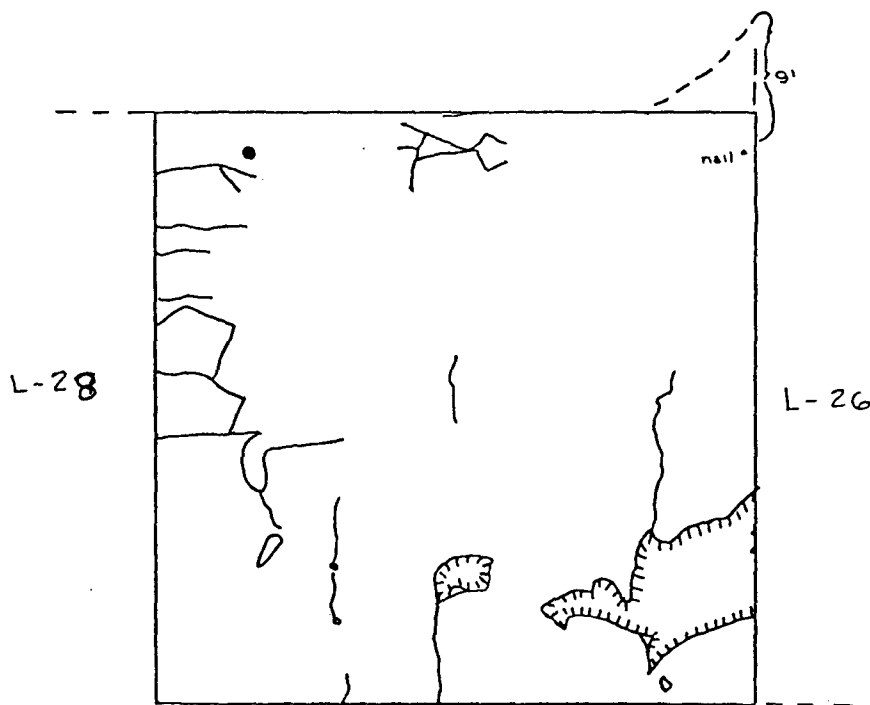
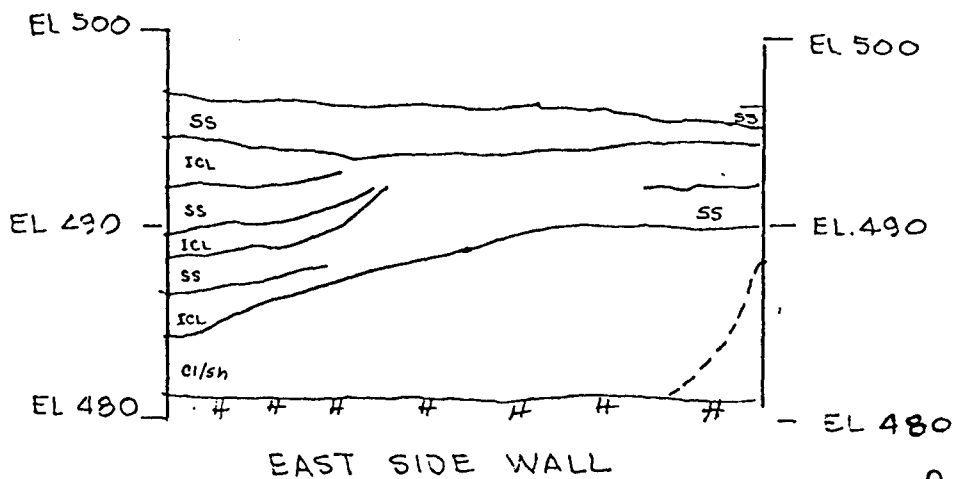
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Wall Monolith 25



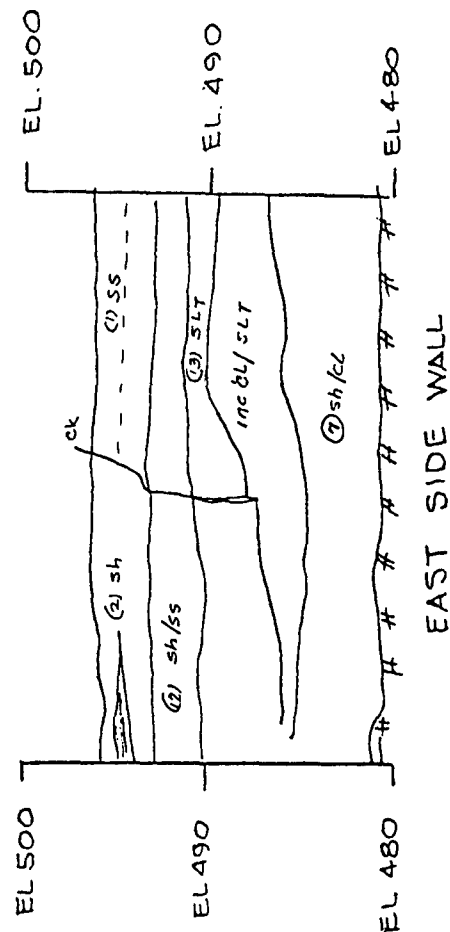
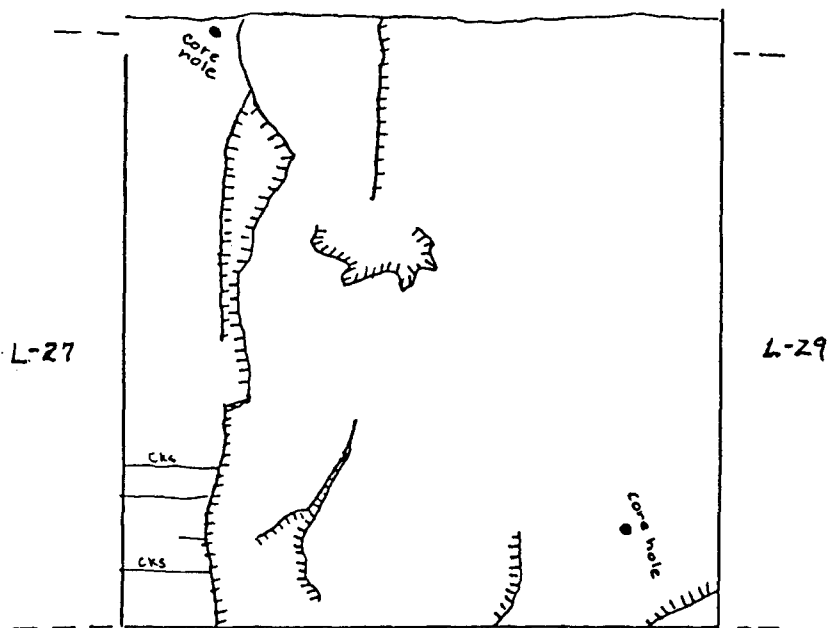
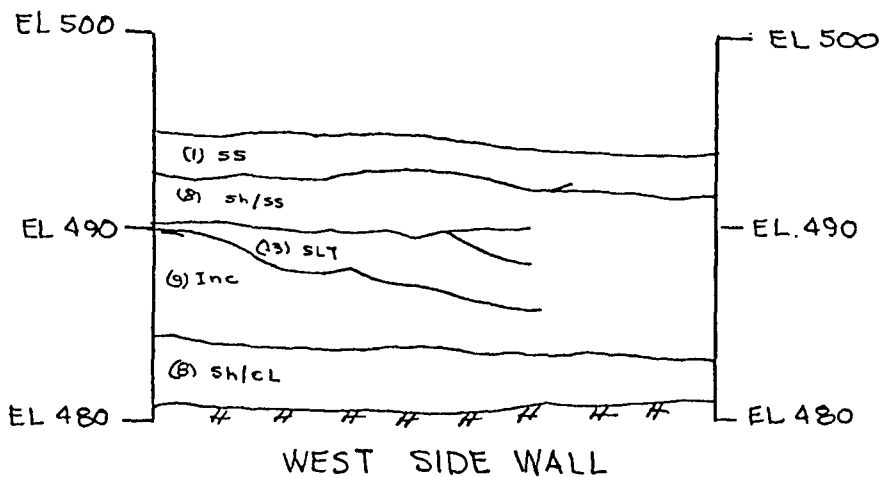
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Wall Monolith 26



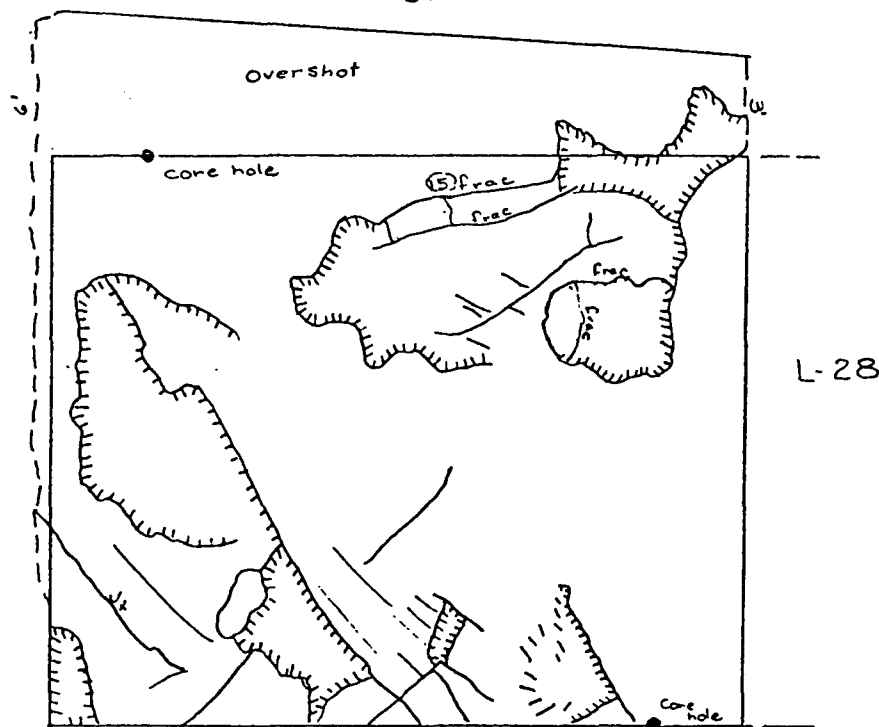
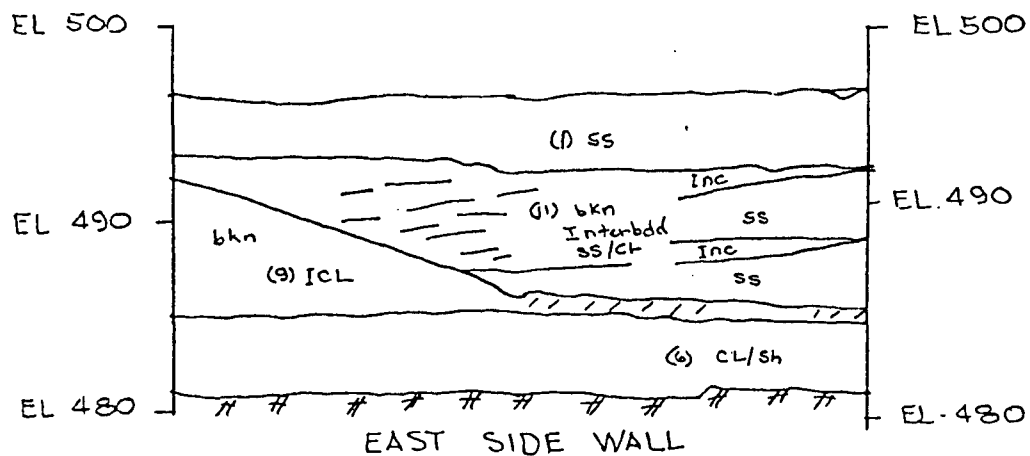
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Wall Monolith 27



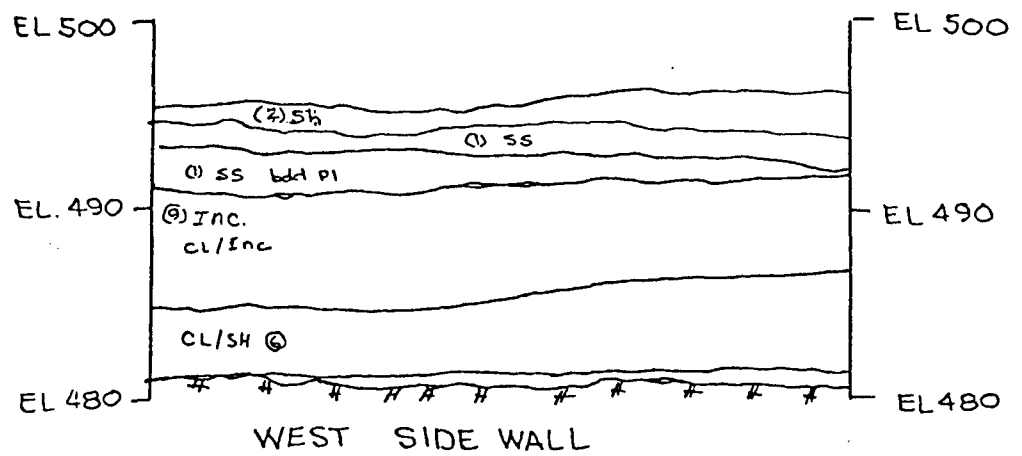
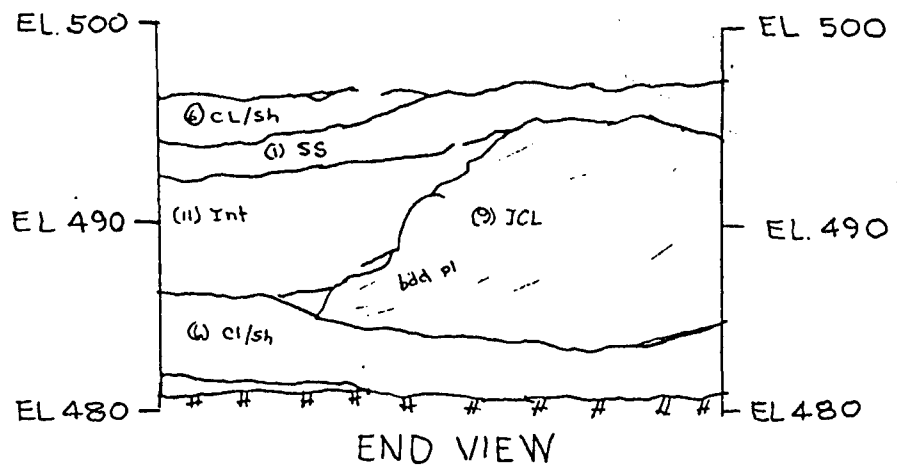
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Wall Monolith 28



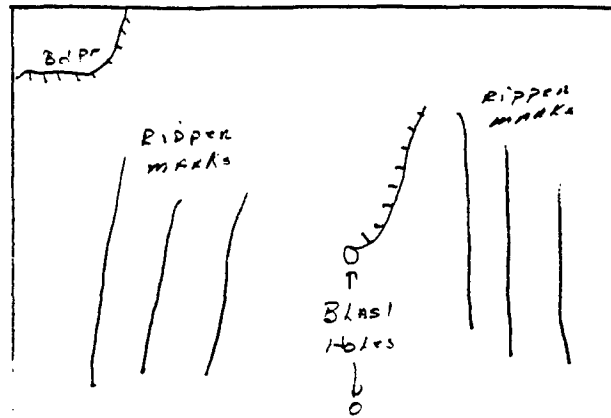
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Wall Monolith 29

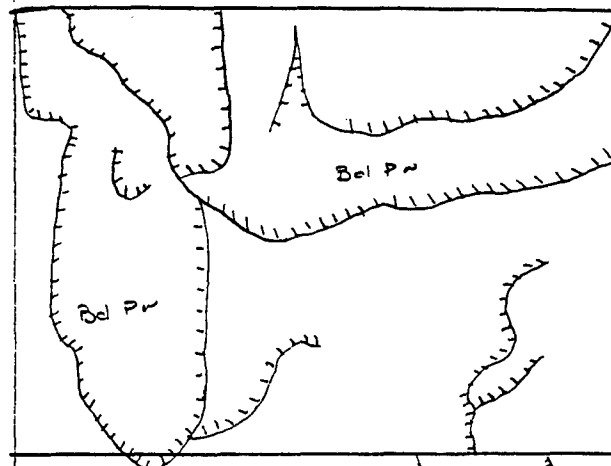


U.S. Army Corps of Engineers

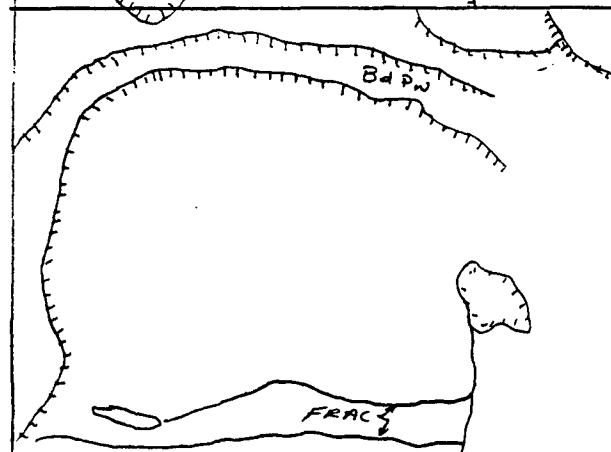
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Wall Monolith 29



RC-13



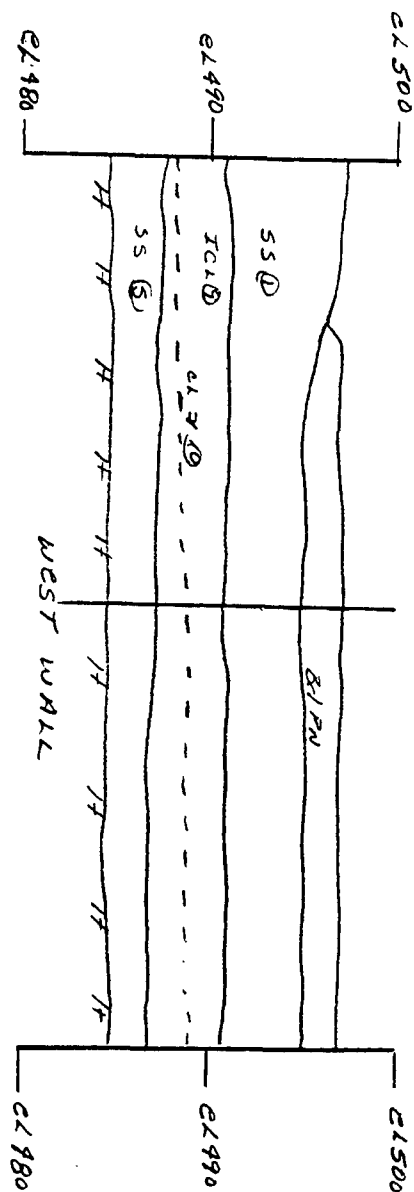
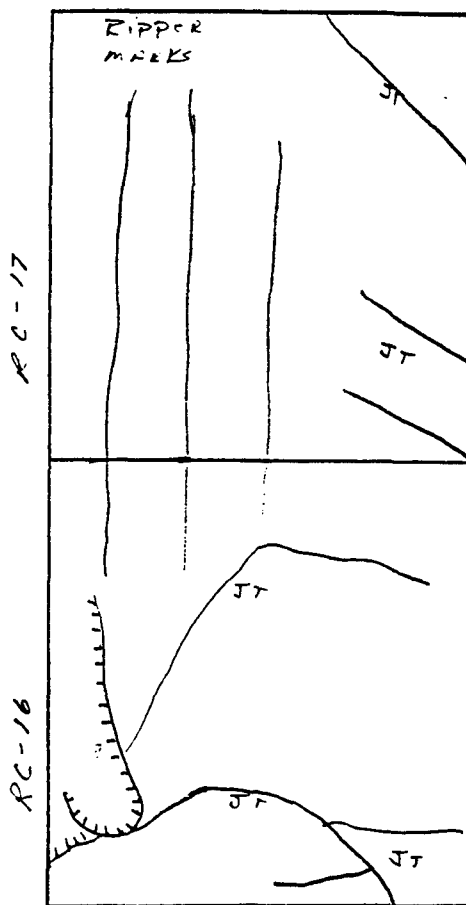
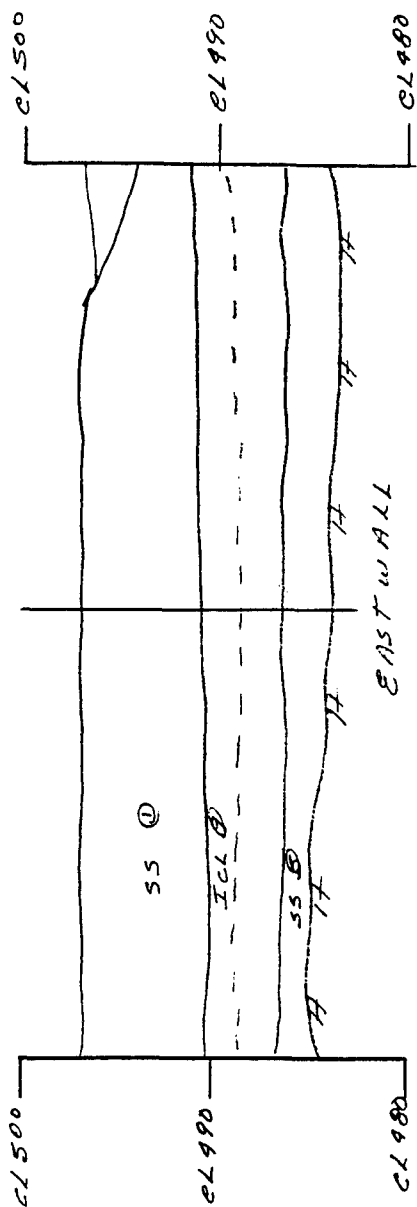
RC-14

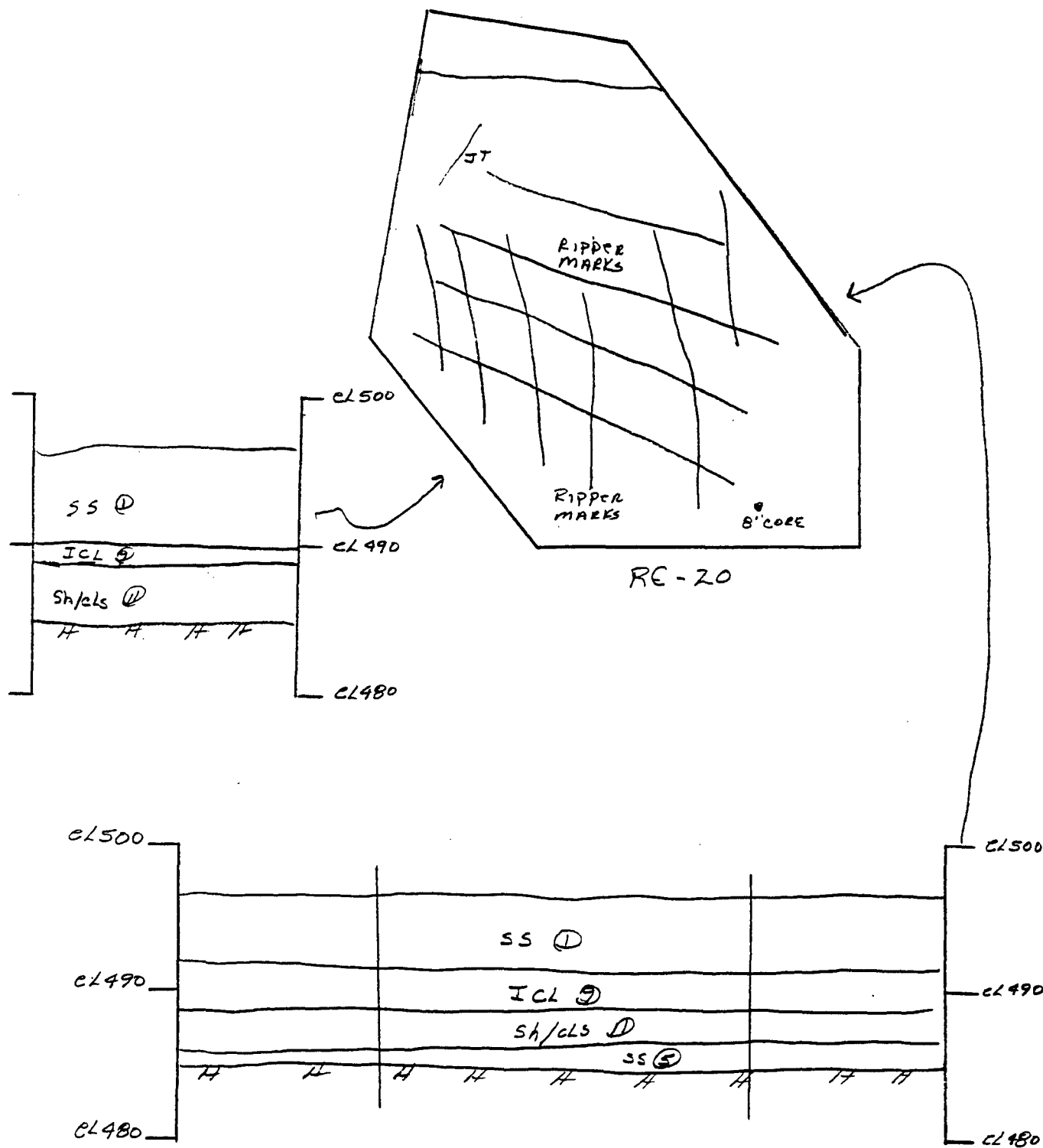


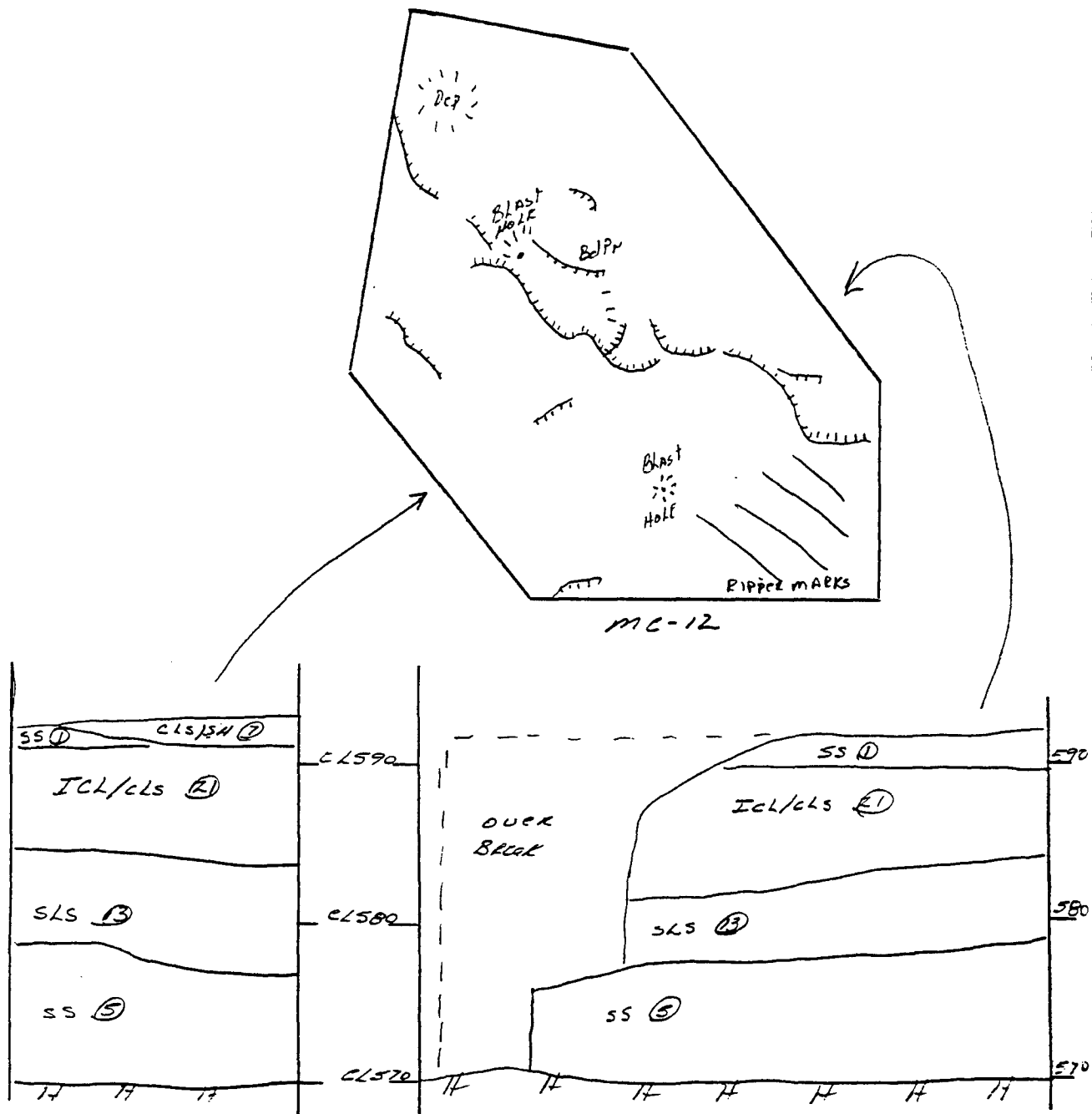
RC-15

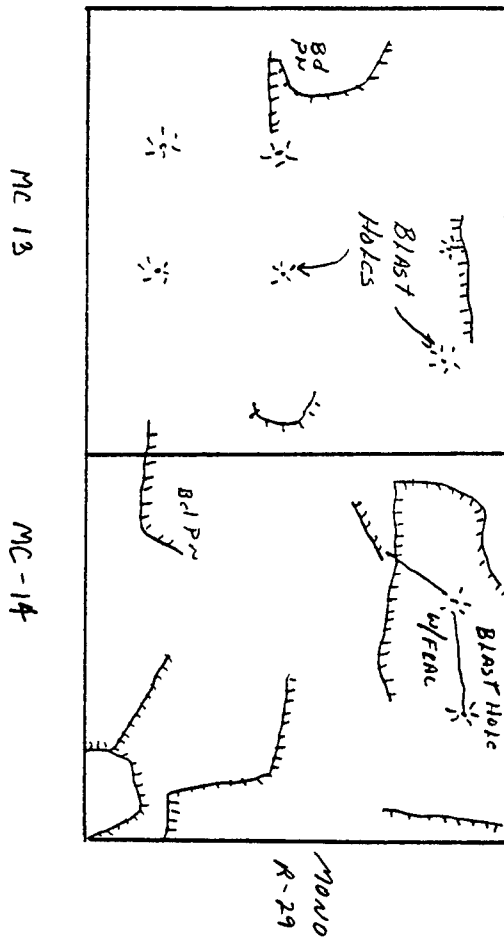
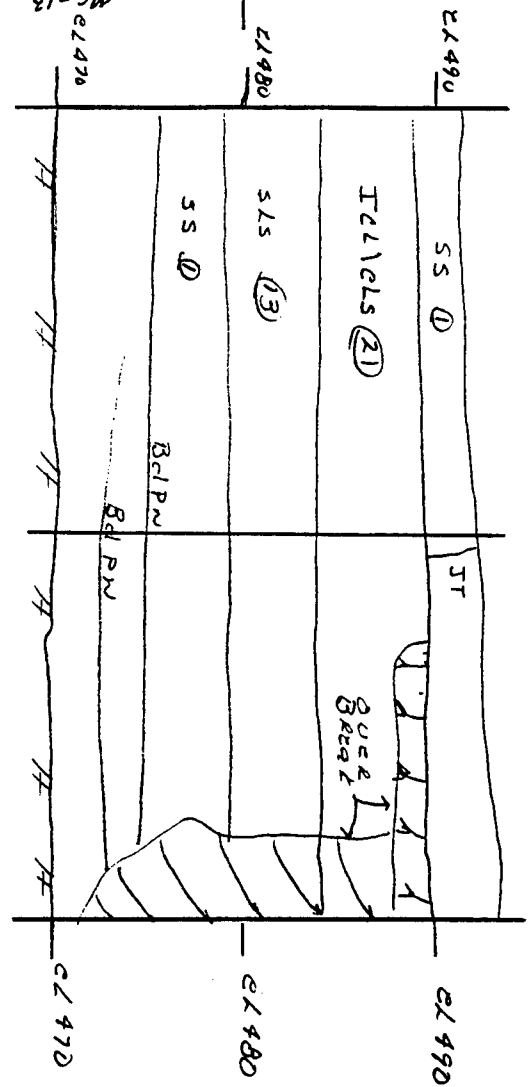
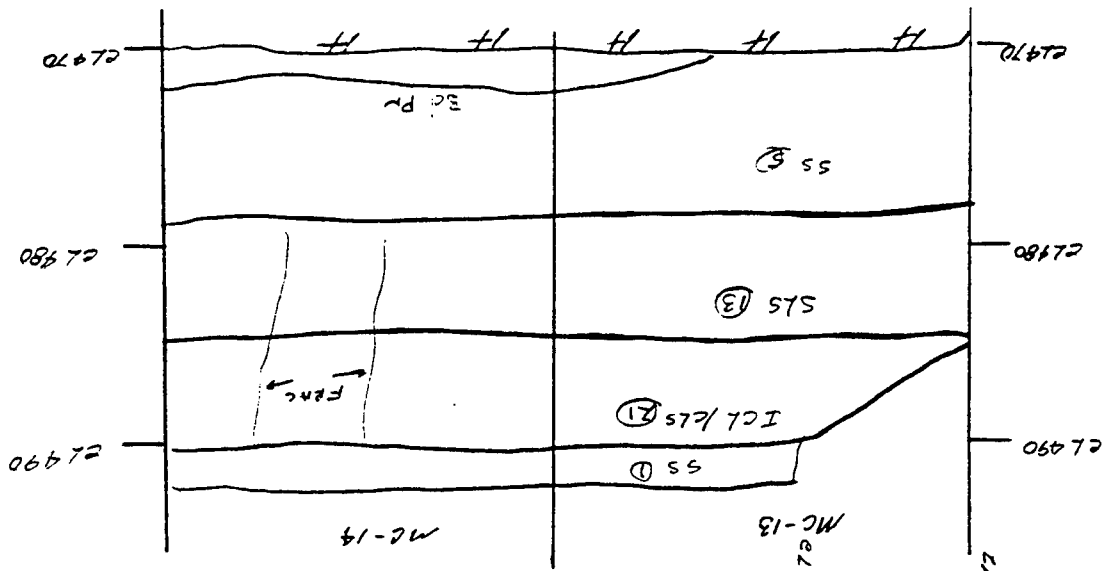
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Conduit 13,14,15



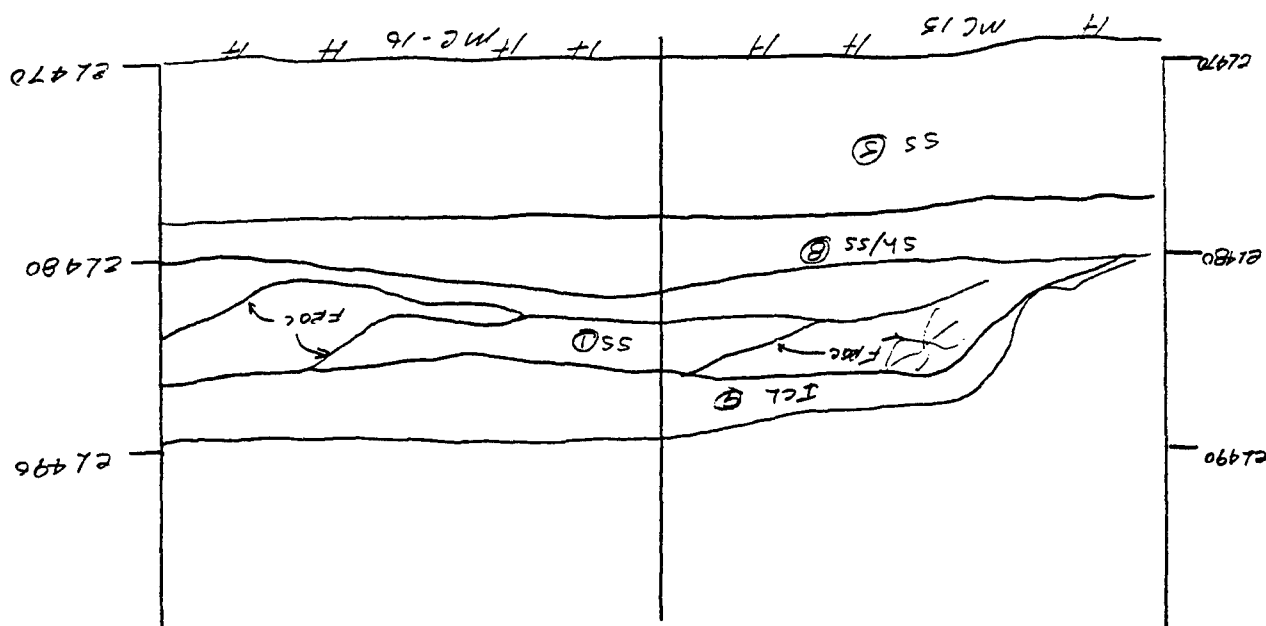
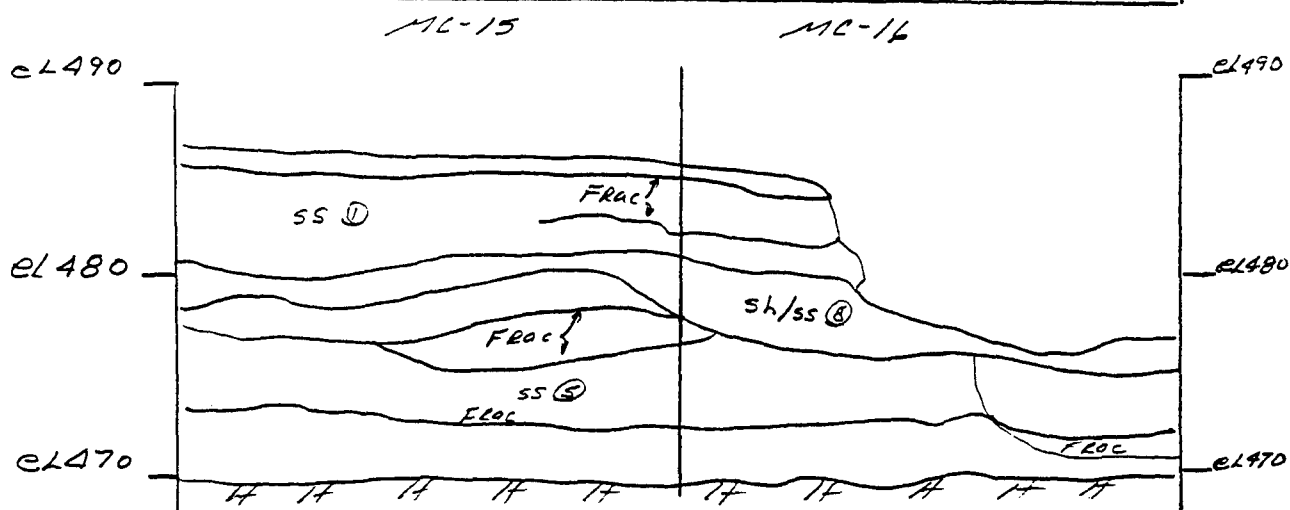
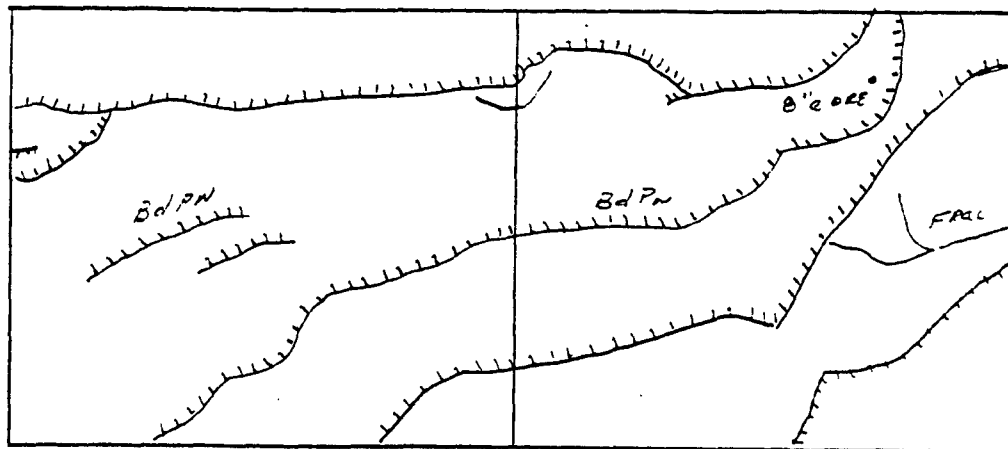






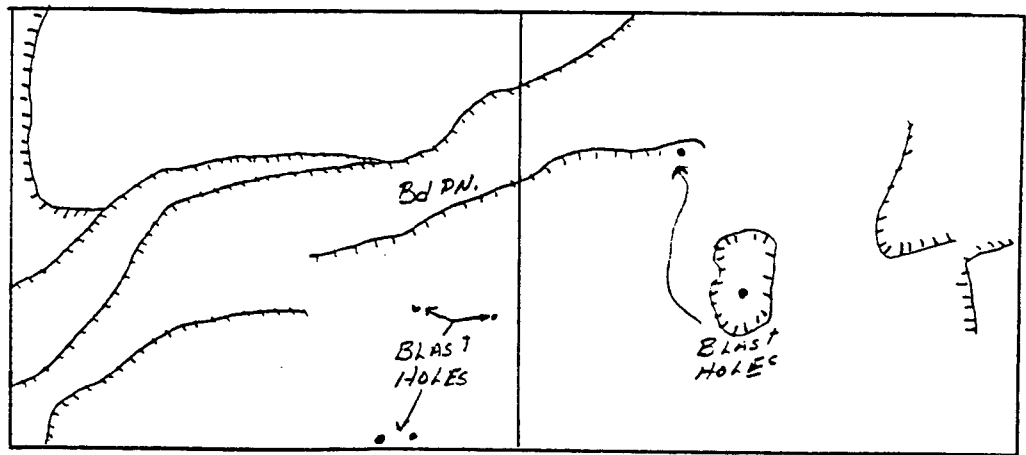
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Conduit 13,14



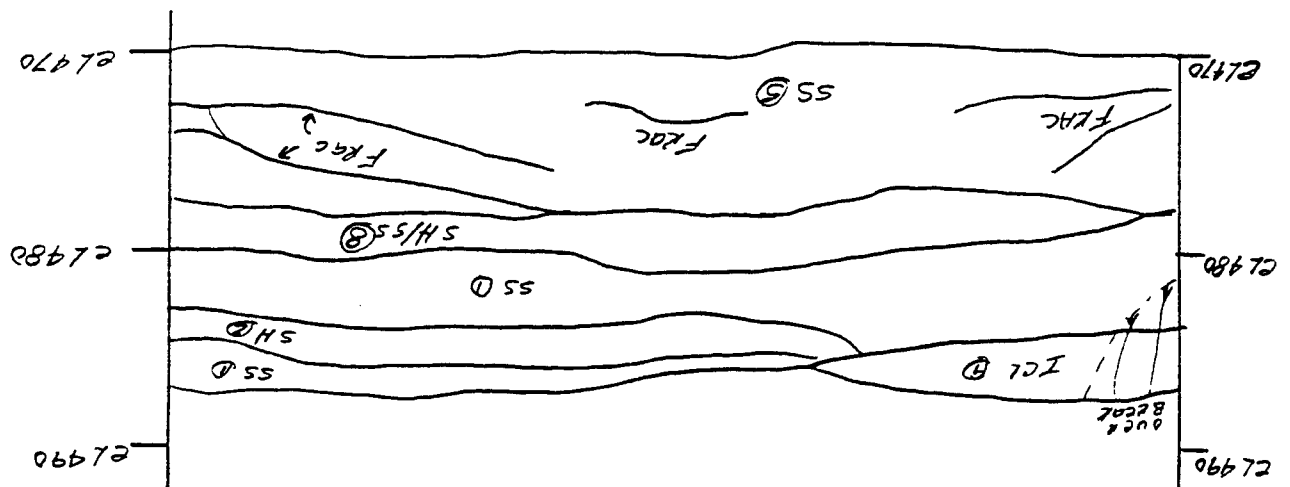
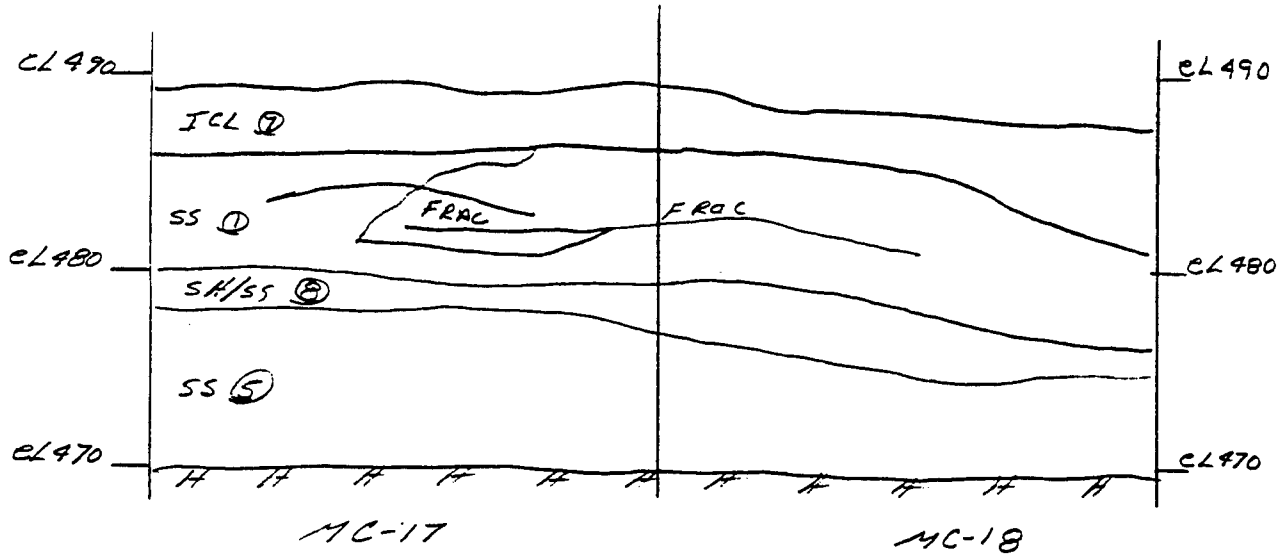
U. S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Conduit 15,16



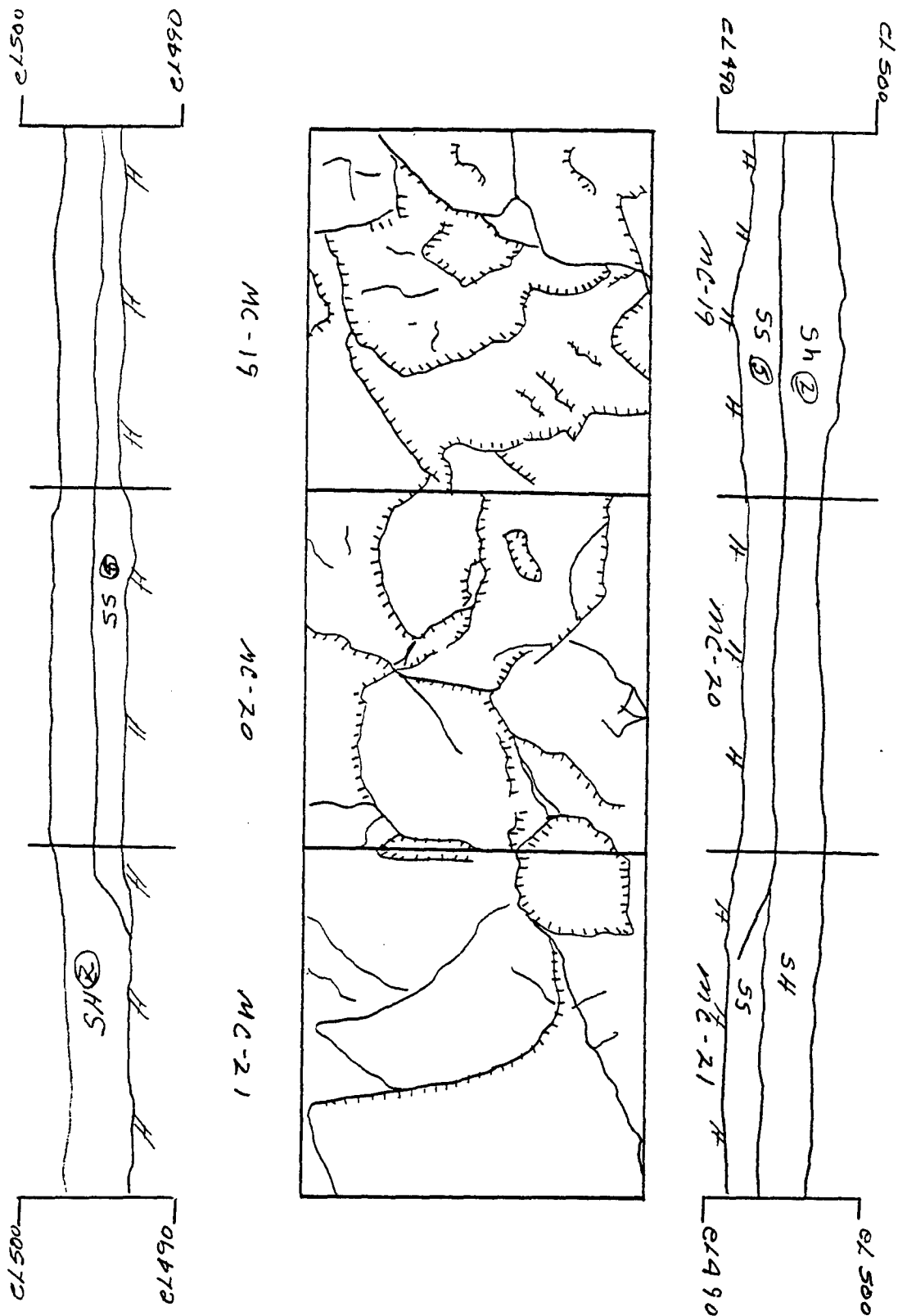
MC-17

MC-18



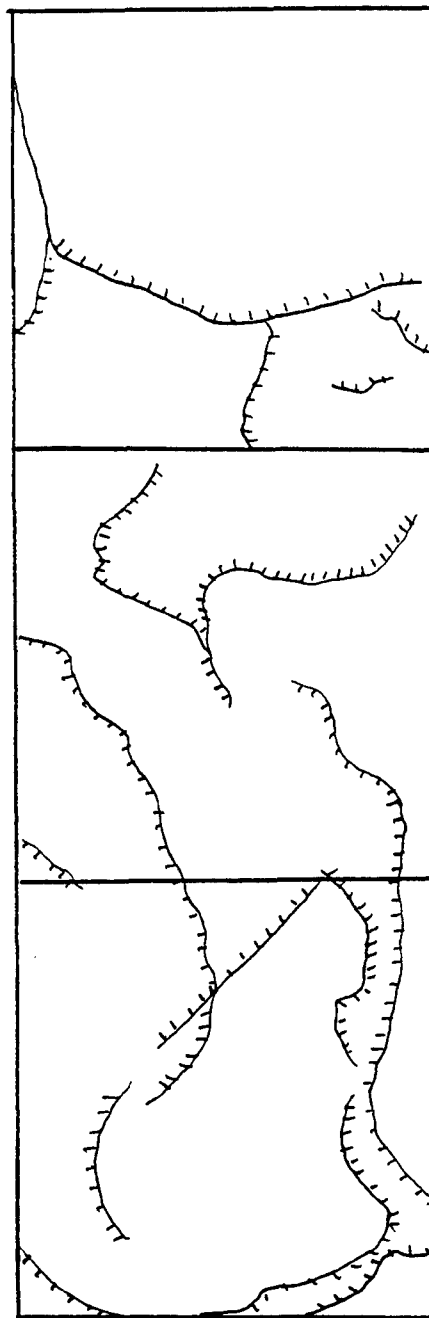
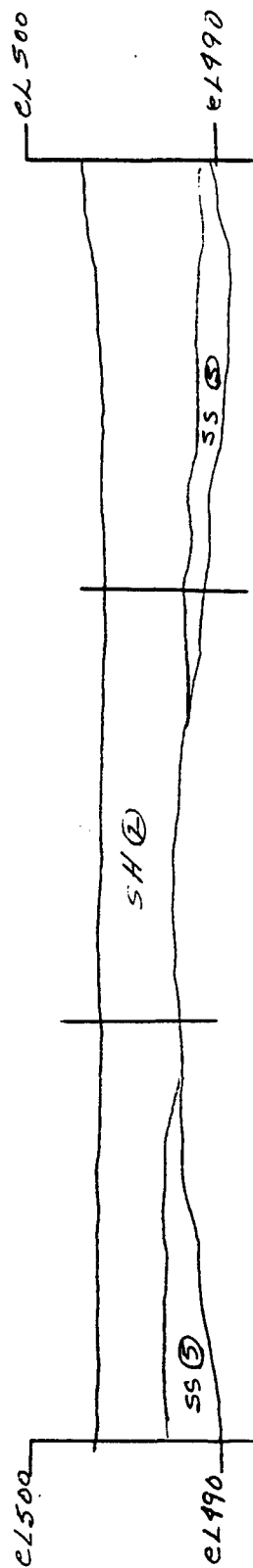
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Conduit 17,18



U.S. Army Corps of Engineers

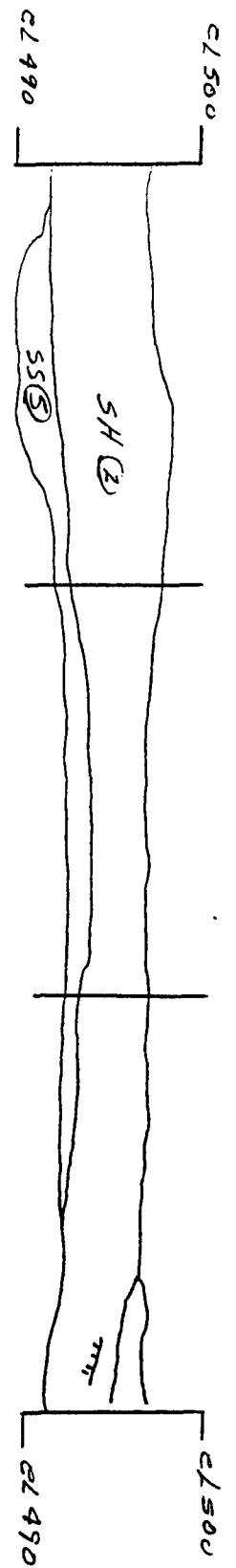
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Middle Conduit 19,20,21



MC-22

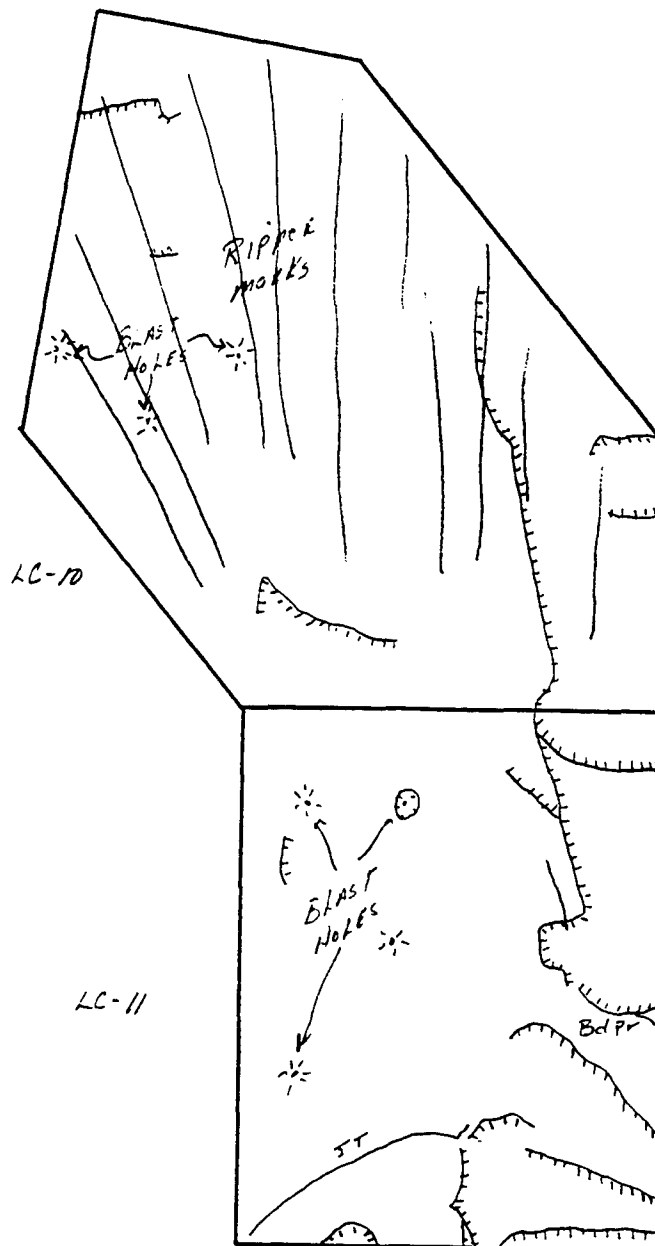
MC-23

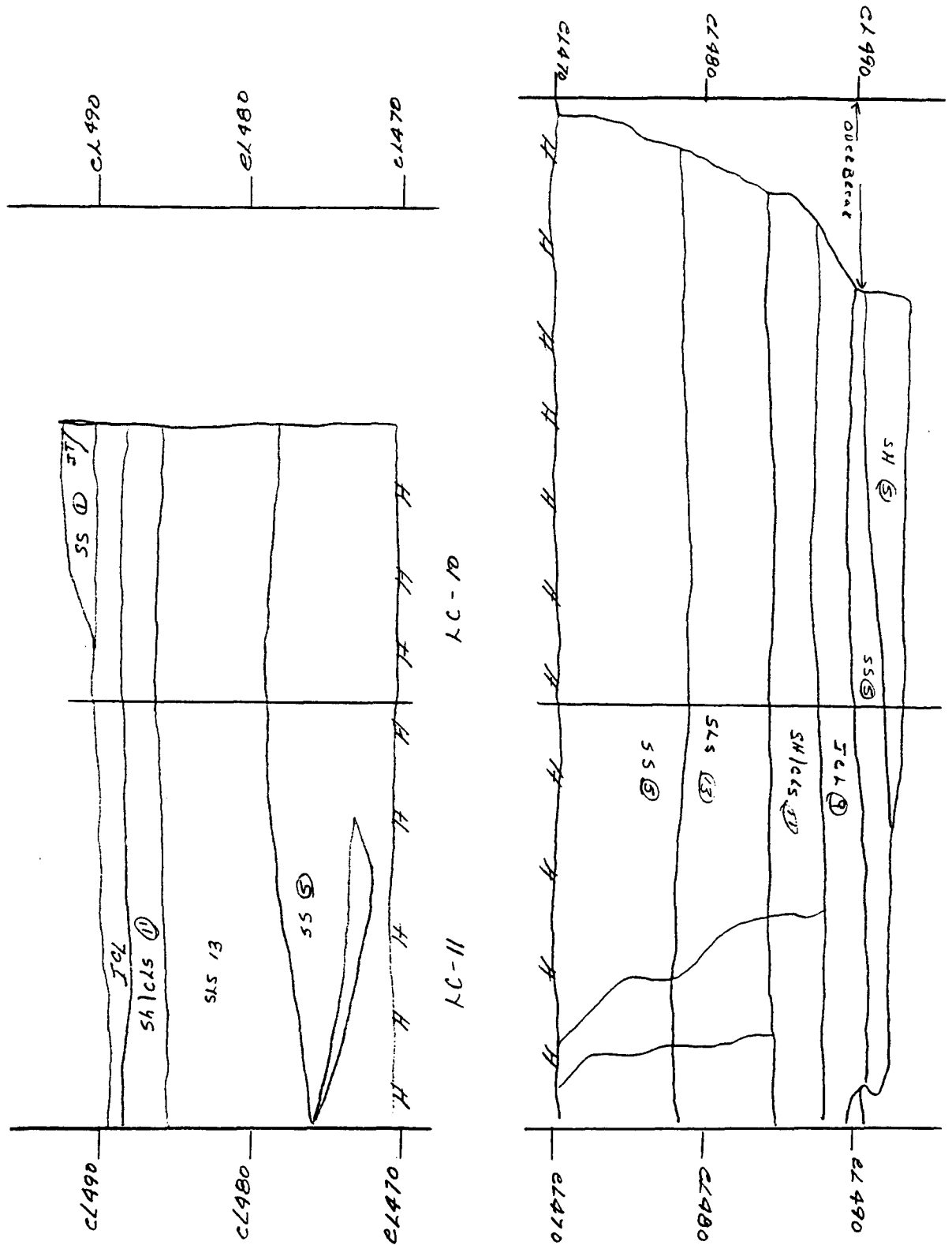
MC-24



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Middle Conduit 22, 23, 24

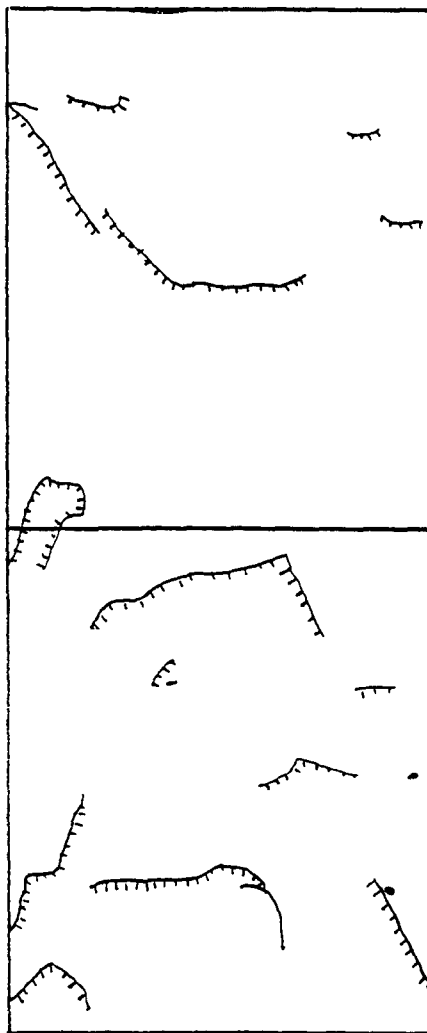




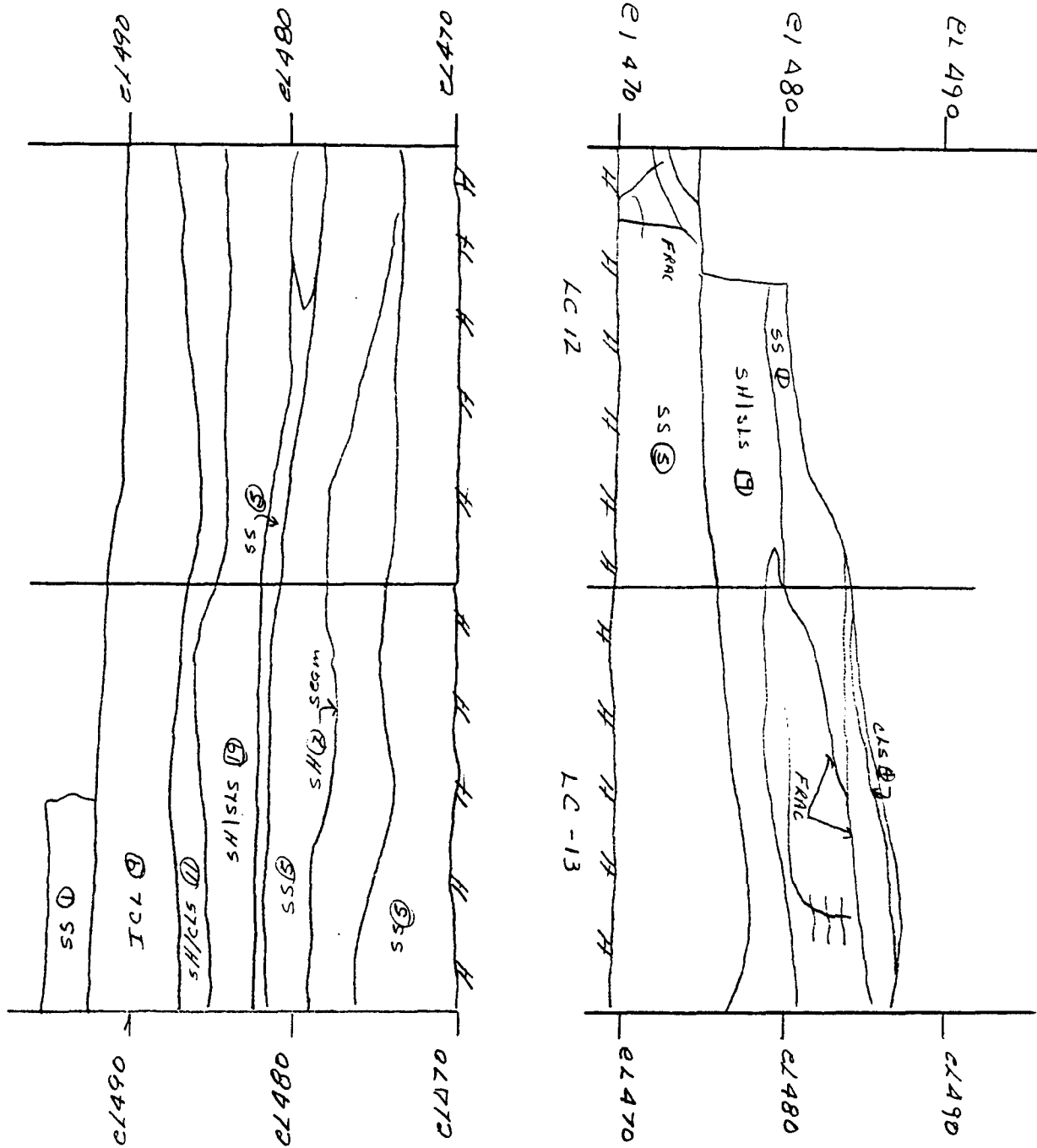
U.S. Army Corps of Engineers

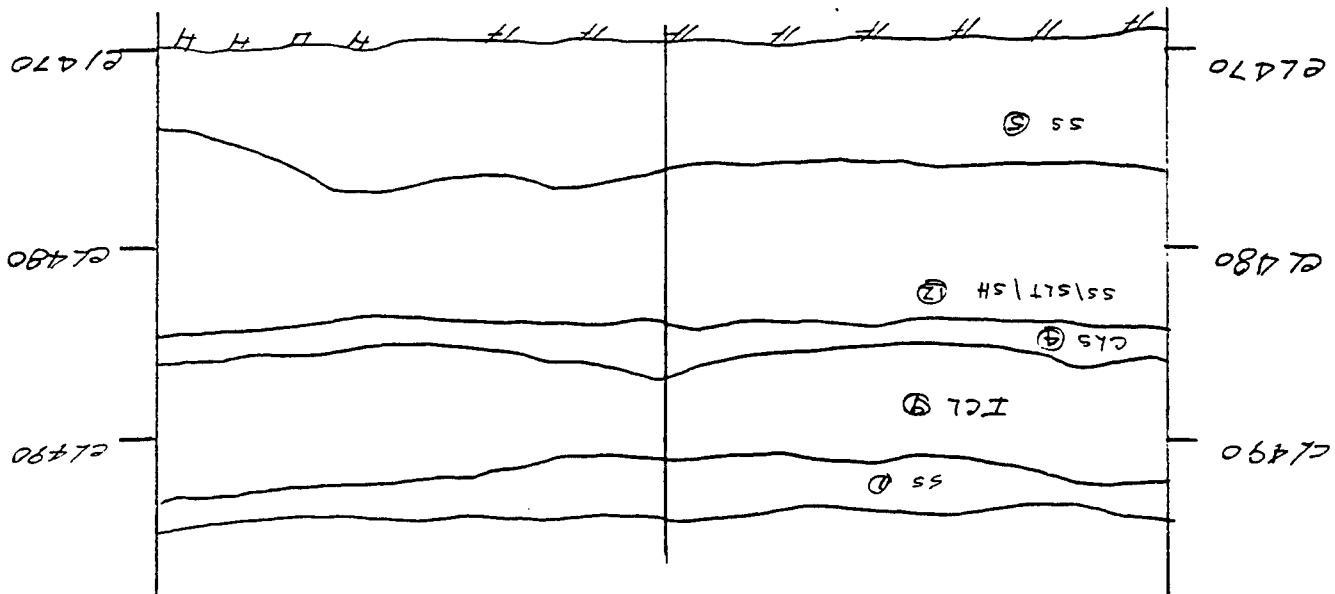
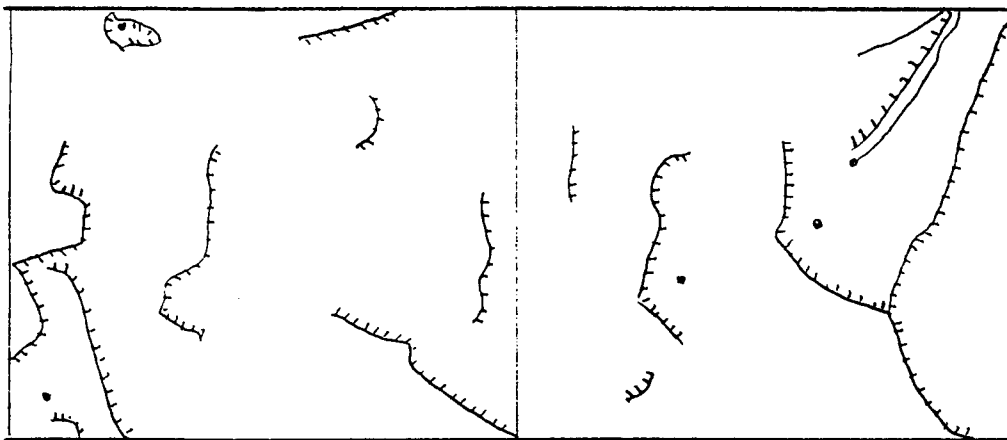
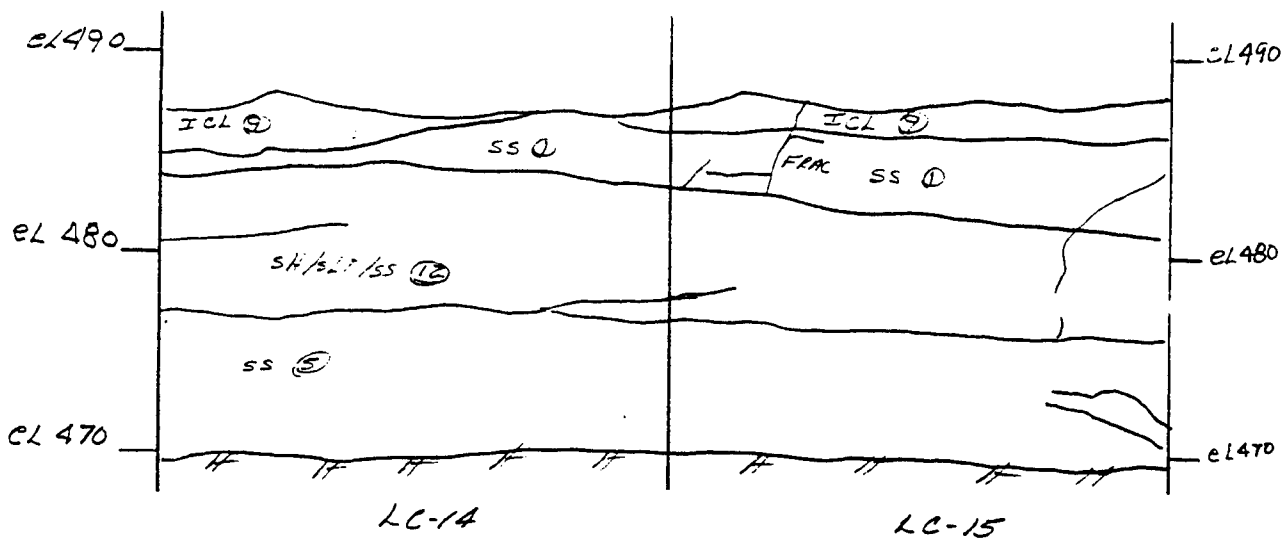
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Conduit 10,11

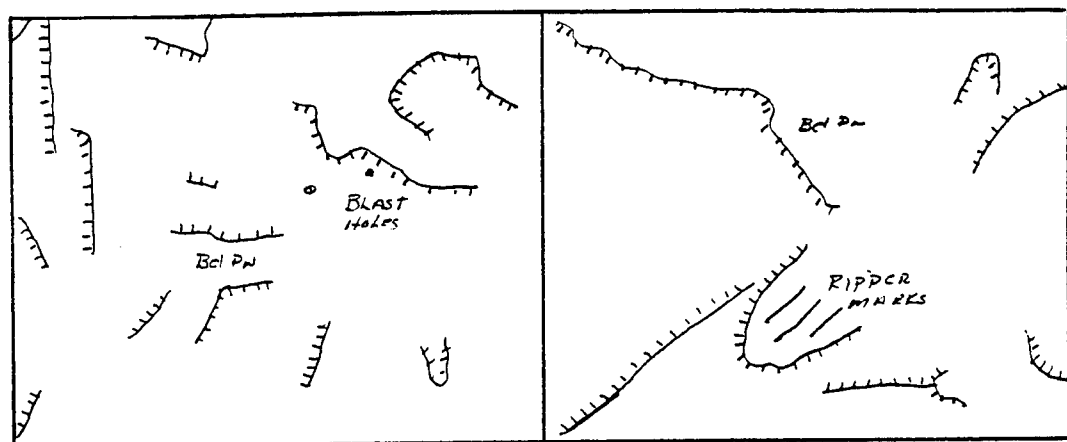
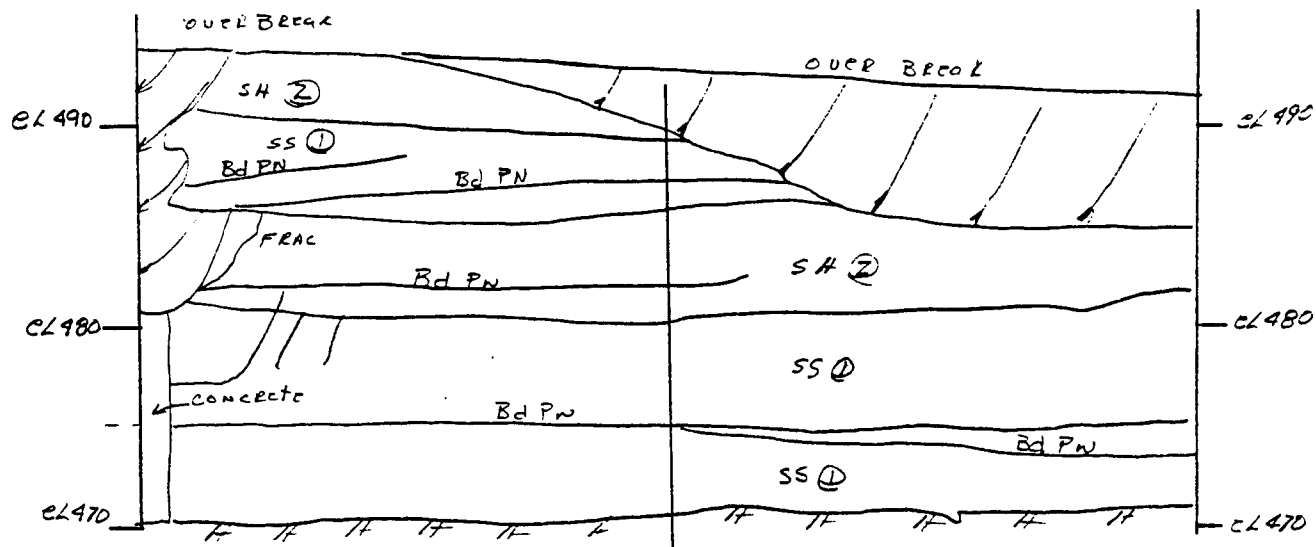
KC-12



KC-13

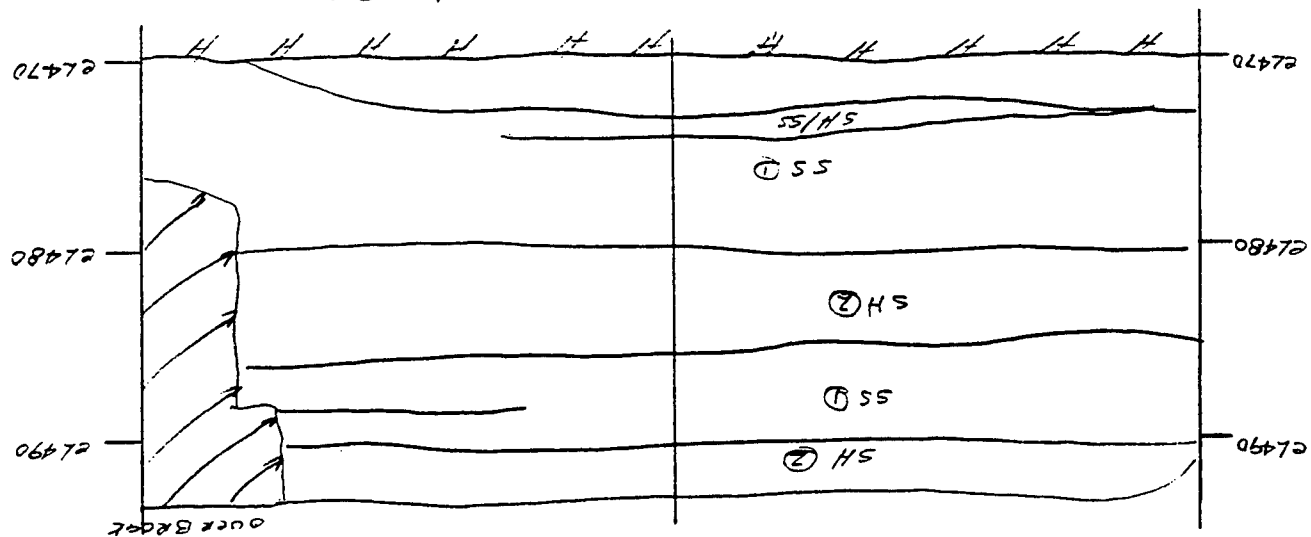






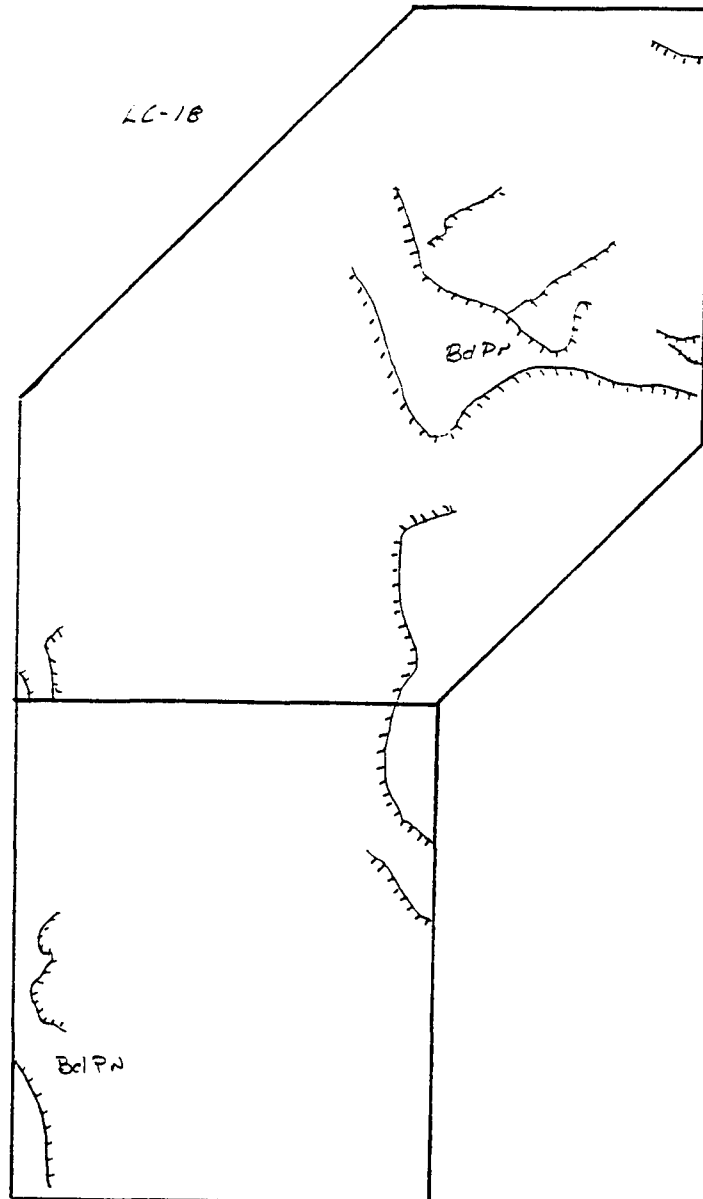
LC-16

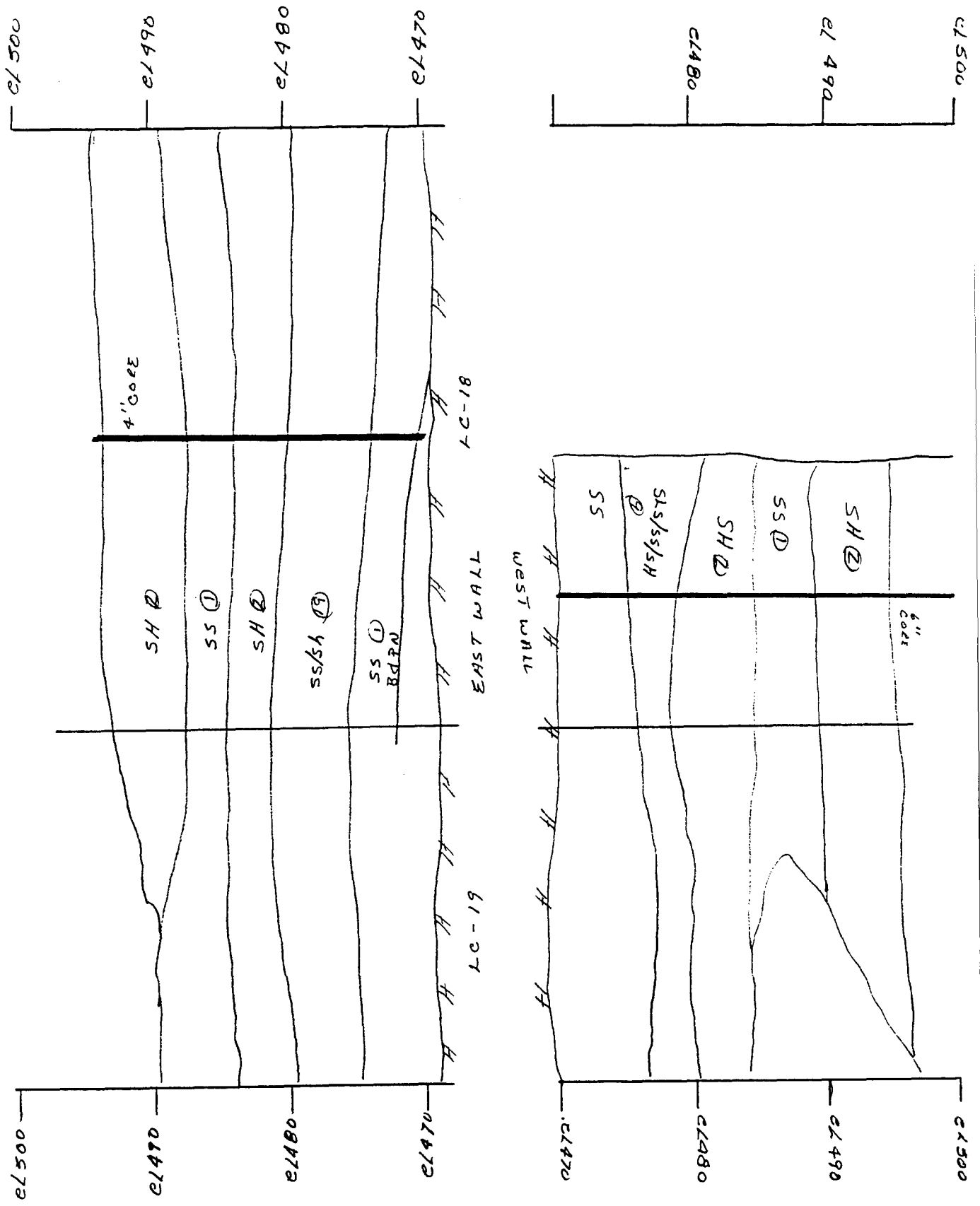
LC-17



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Conduit 16,17

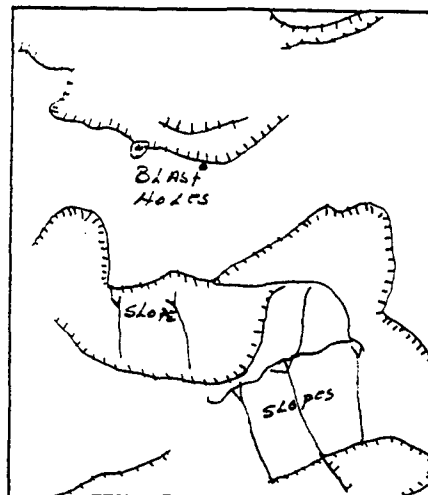




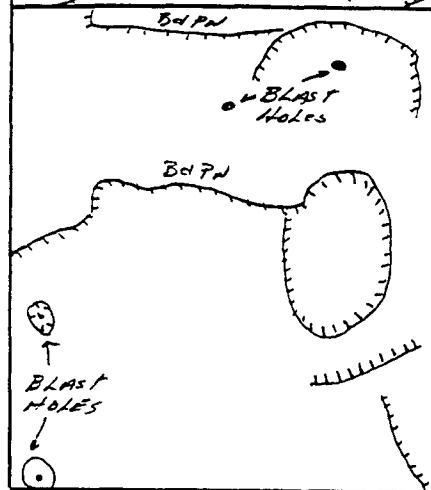
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
 Lock in Canal
 Foundation Drawing
 Land Conduit 18,19

LC-22

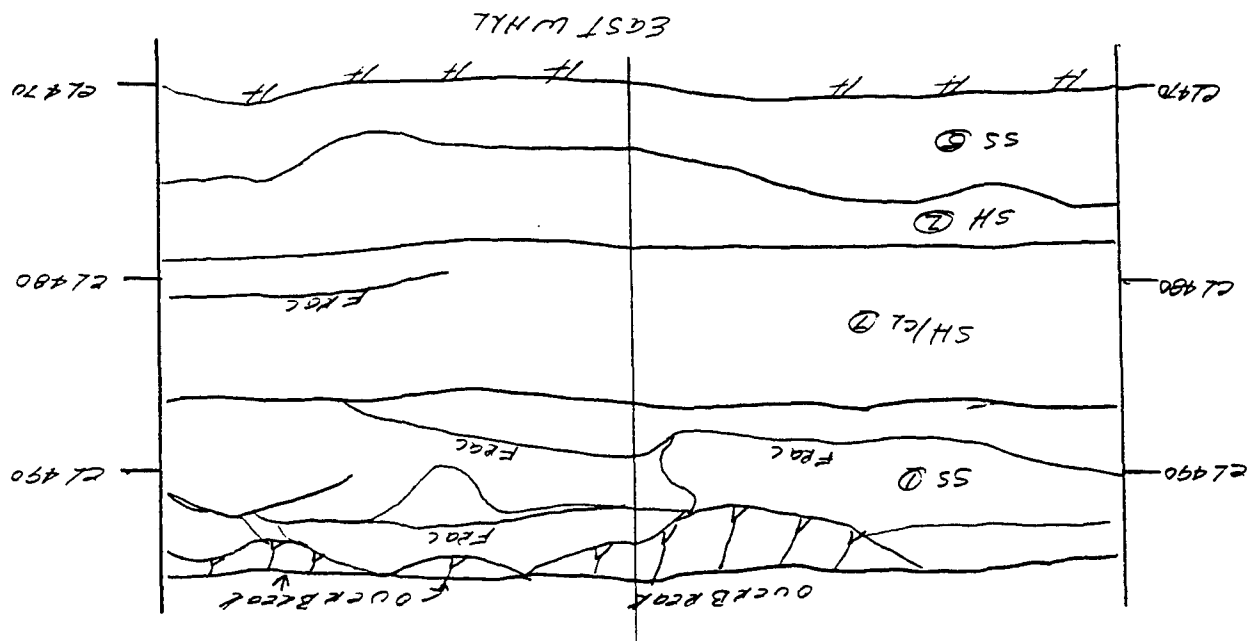
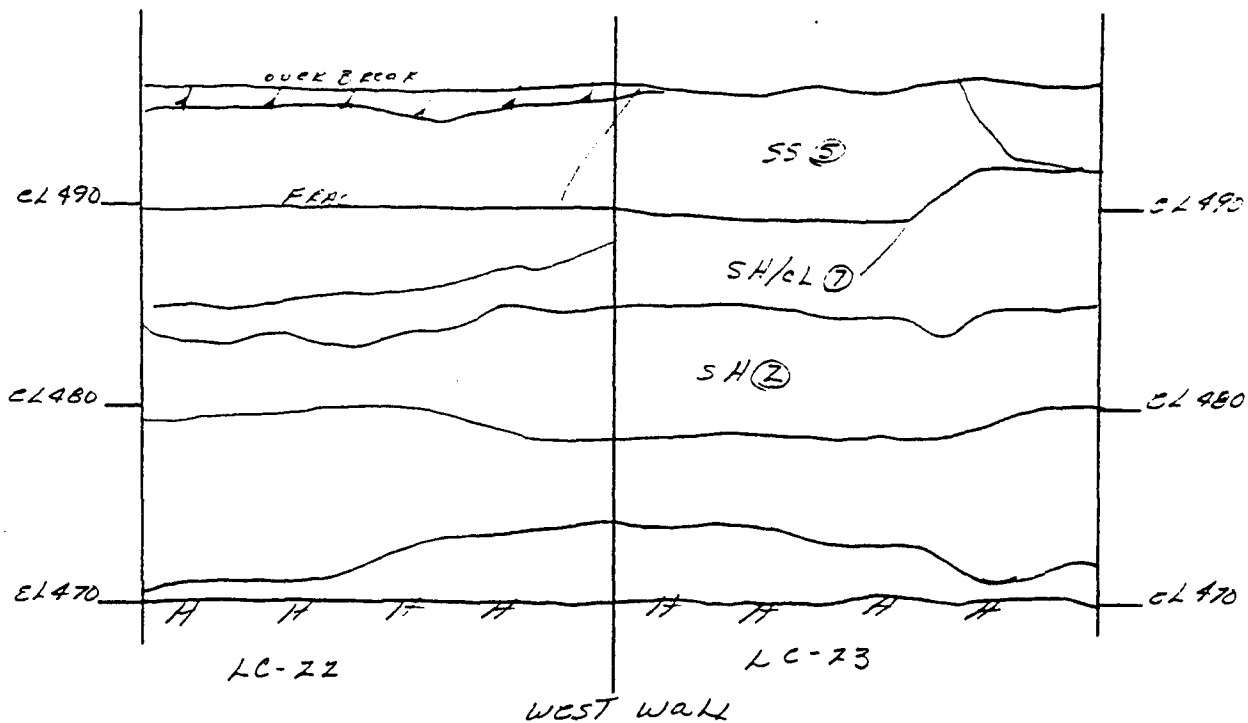


LC-23



U.S. Army Corps of Engineers

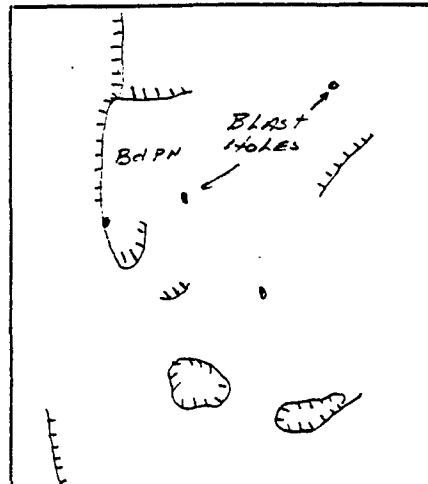
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Conduit 22,23



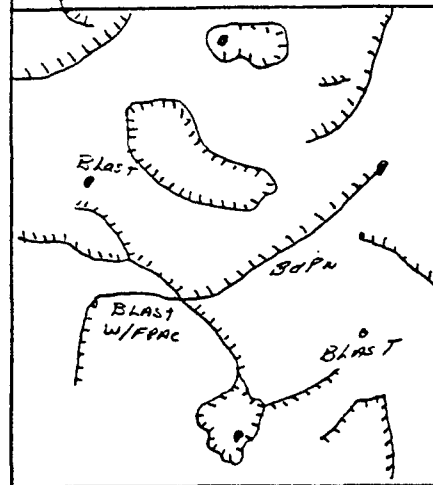
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Conduit 22,23

LC-24

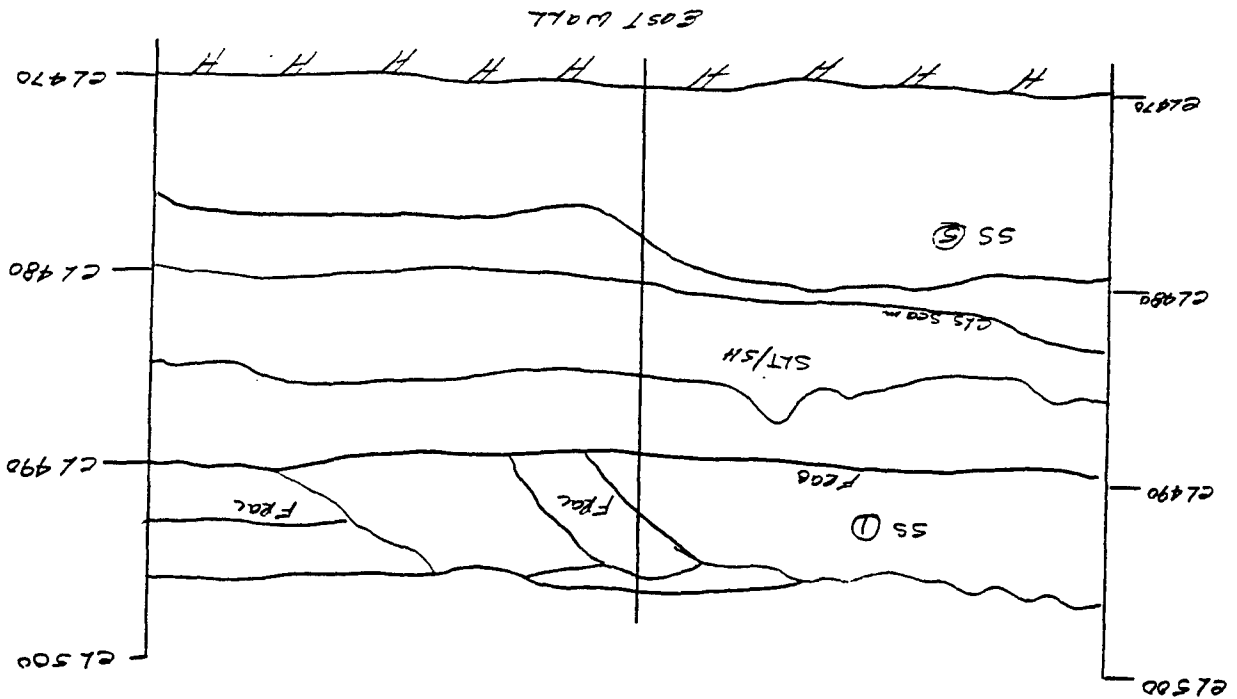
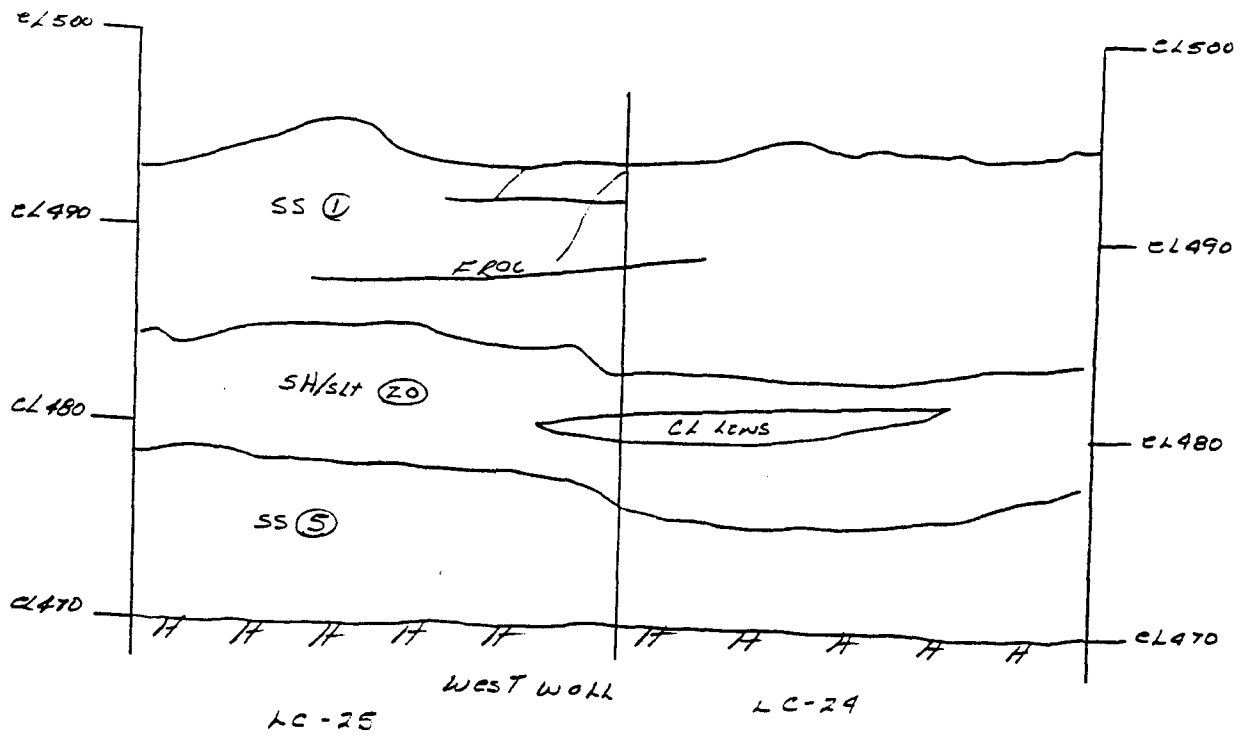


LC-25

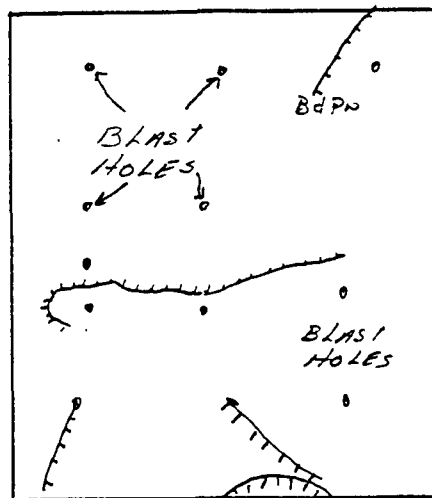


U.S. Army Corps of Engineers

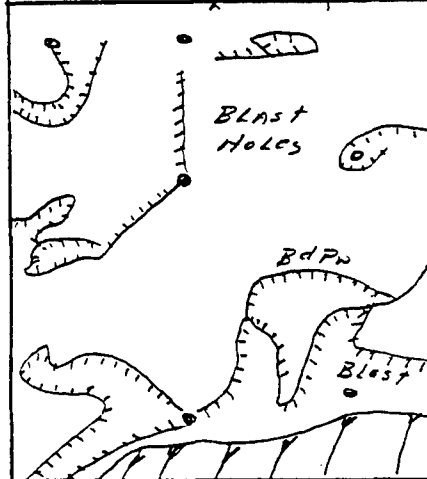
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Conduit 24,25



LC-26

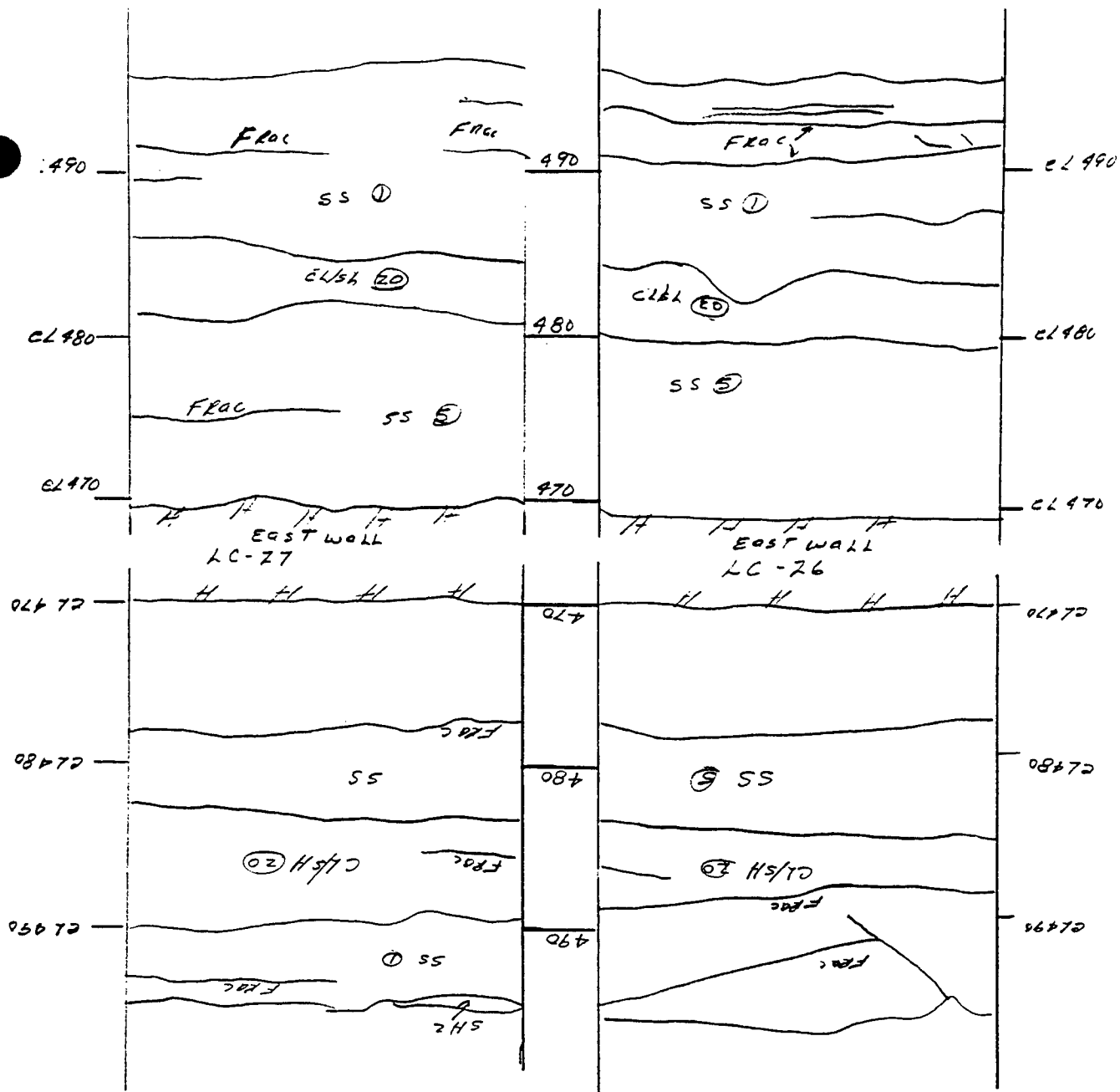


LC-27



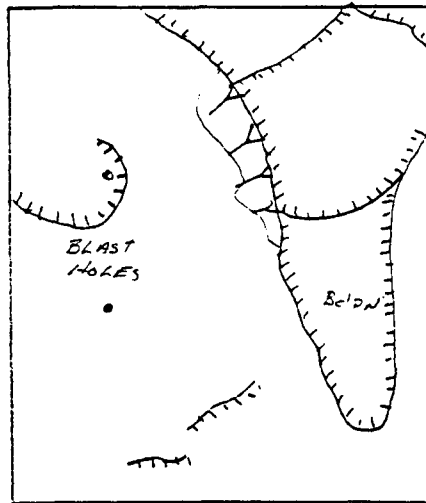
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Conduit 26,27

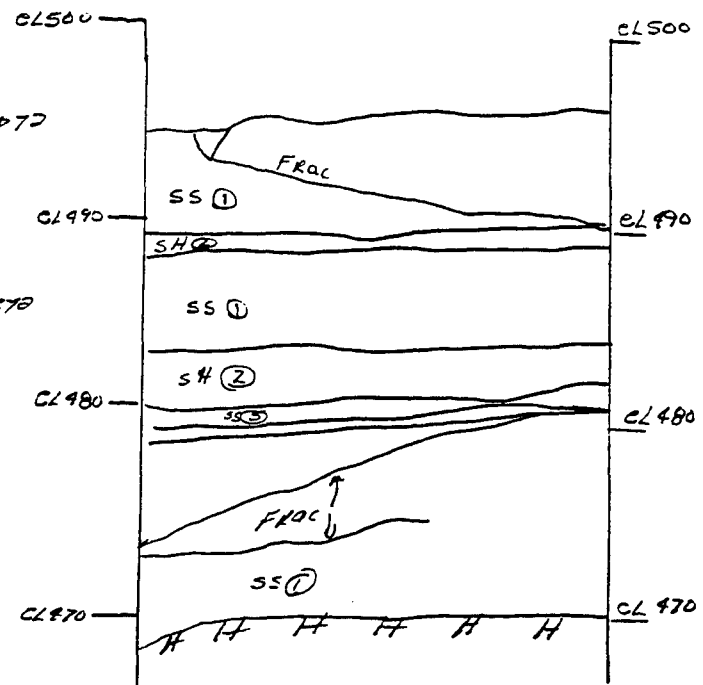
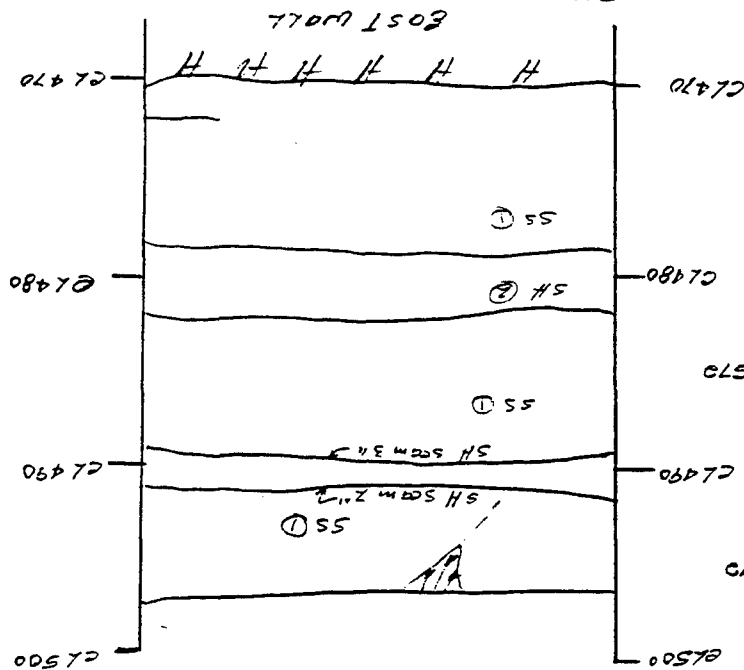


U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal...
Foundation Drawing
Land Conduit 26,27



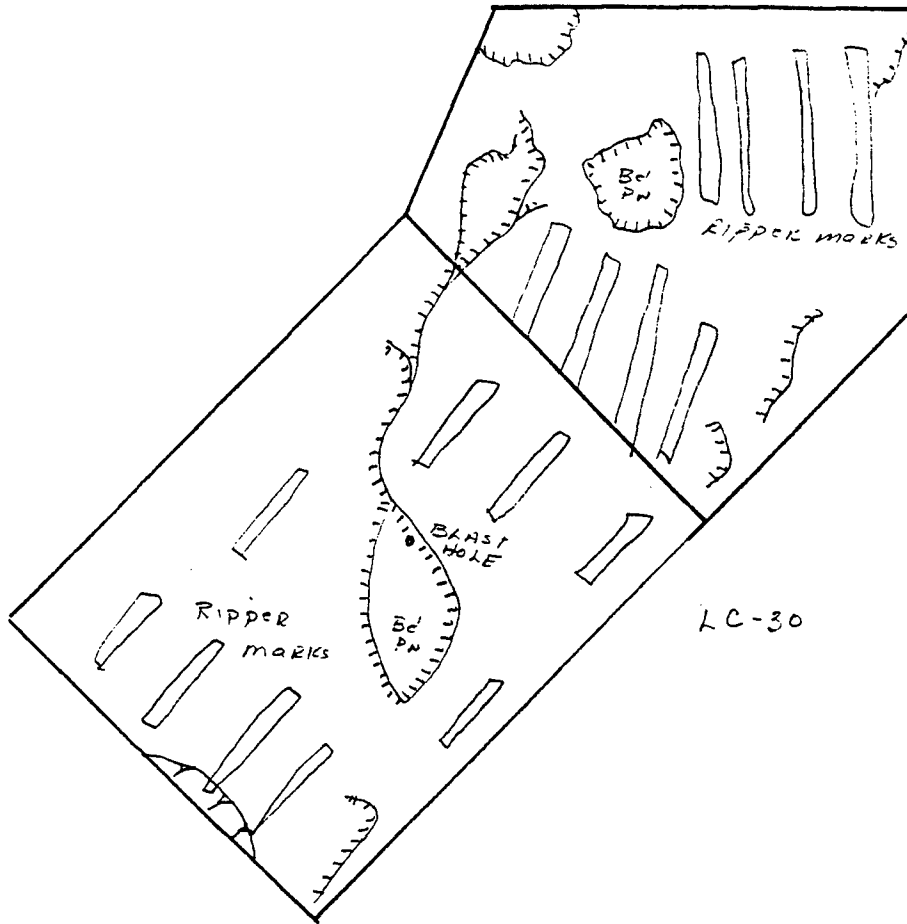
LC-28



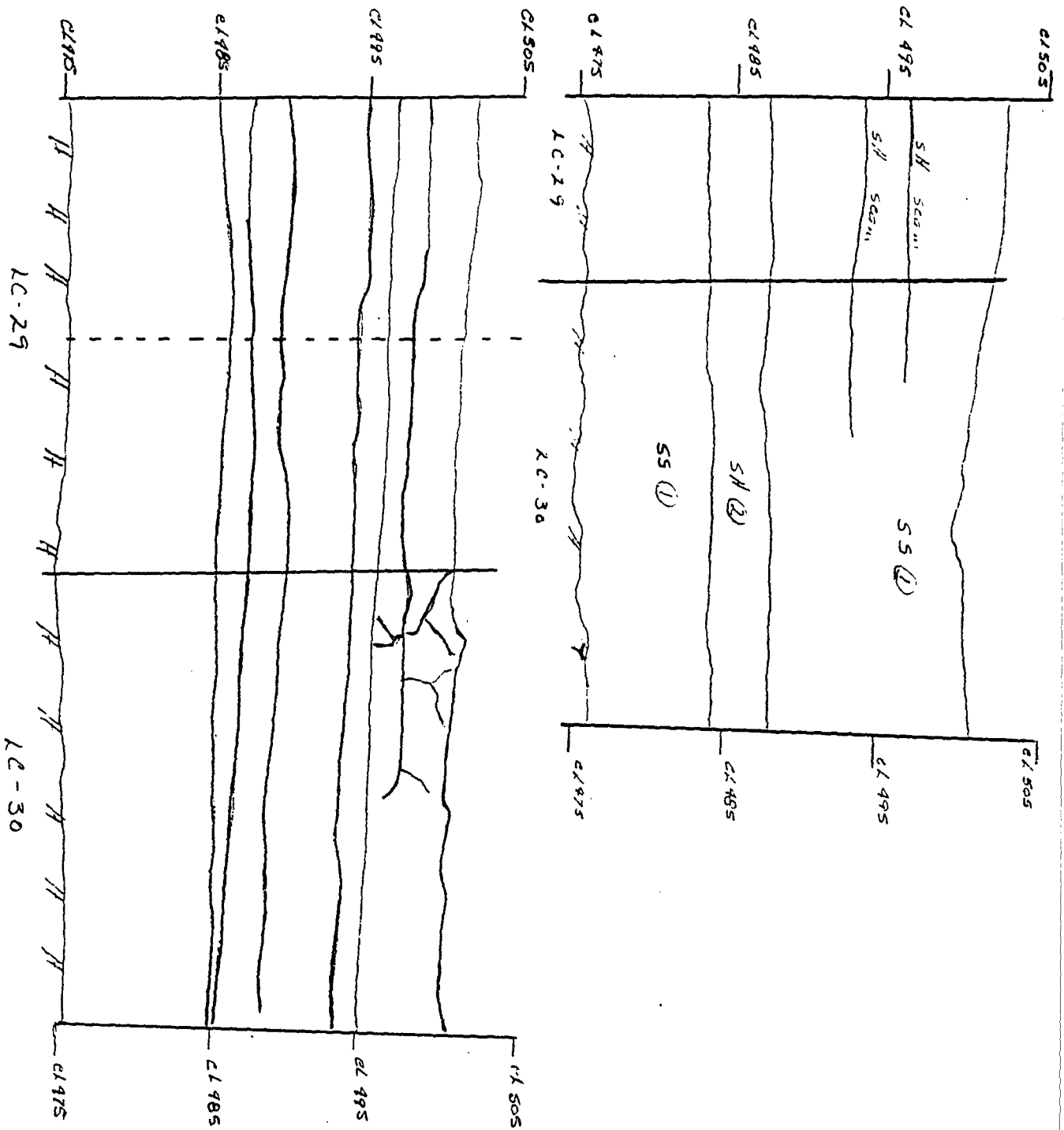
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Conduit 28

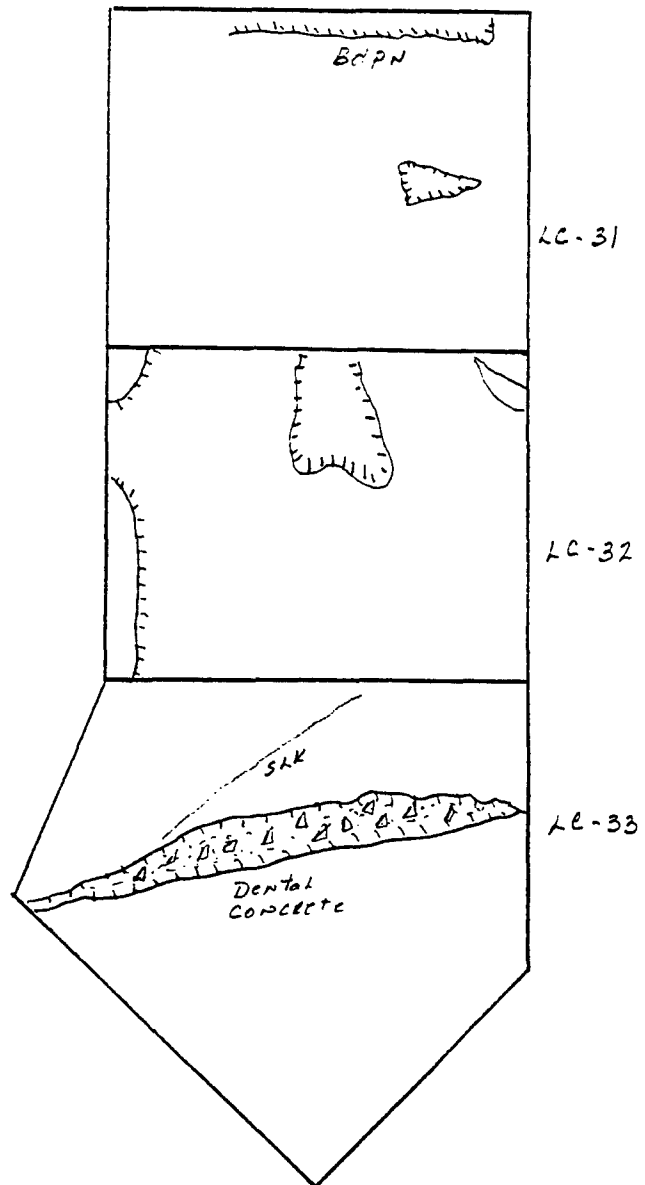
LC-29

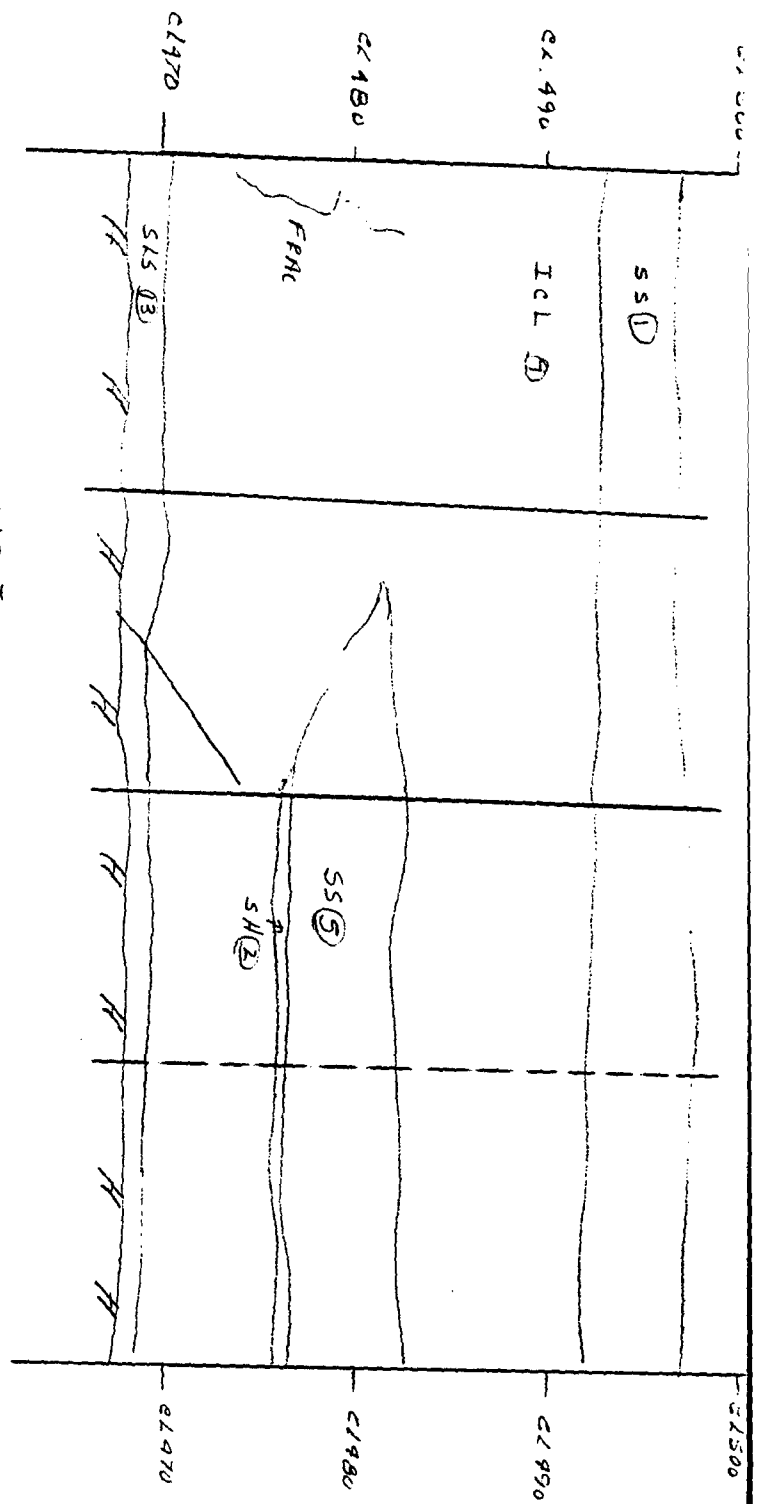


LC-30

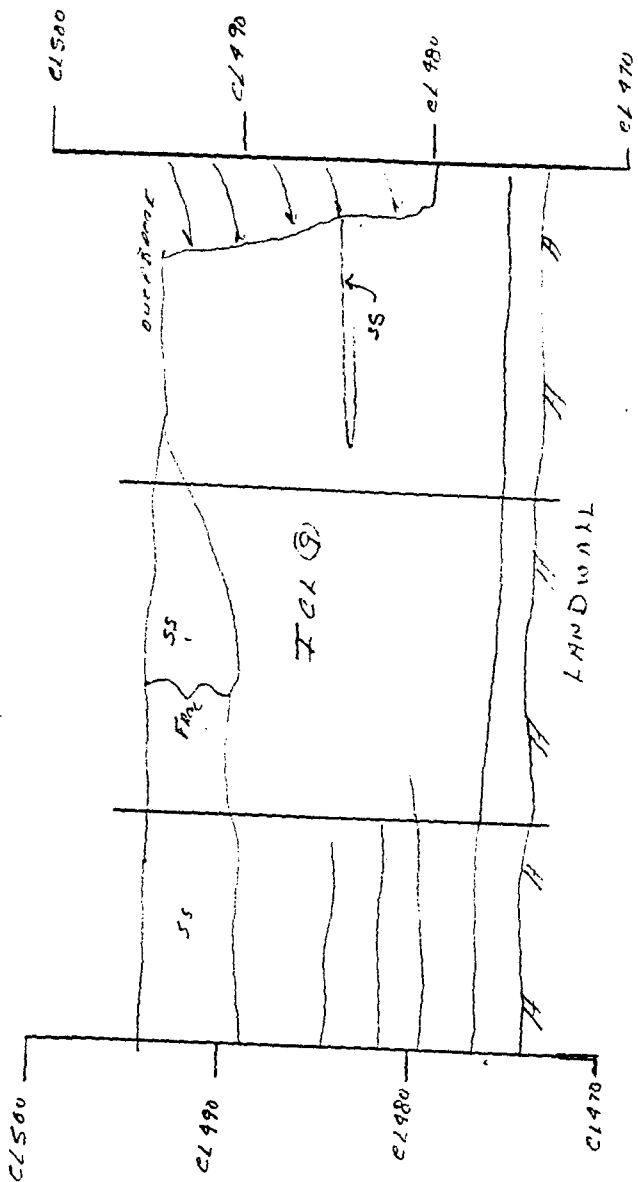


U.S. Army Corps of Engineers
 Gallipolis Lock and Dam
 Lock in Canal
 Foundation Drawing
 Land Conduit 29,30



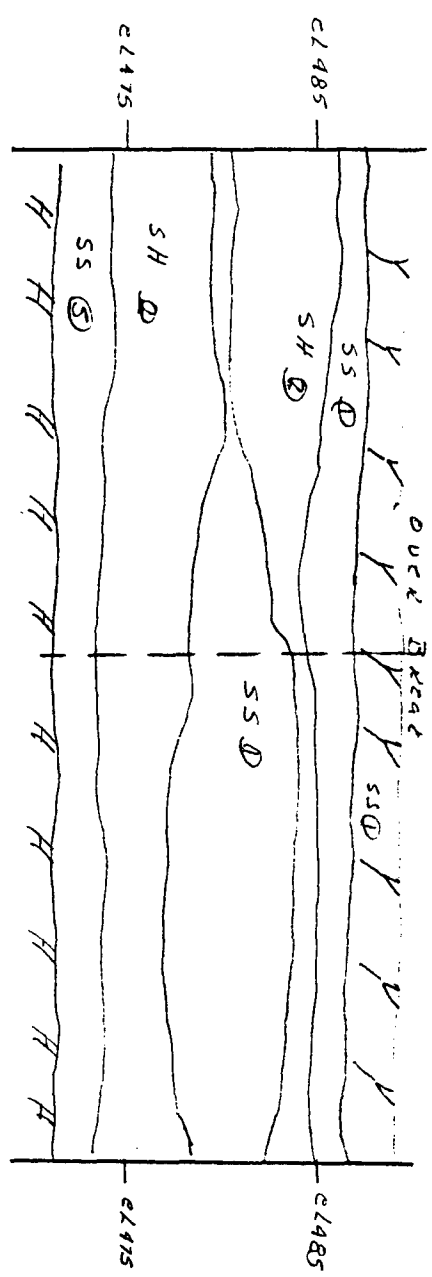
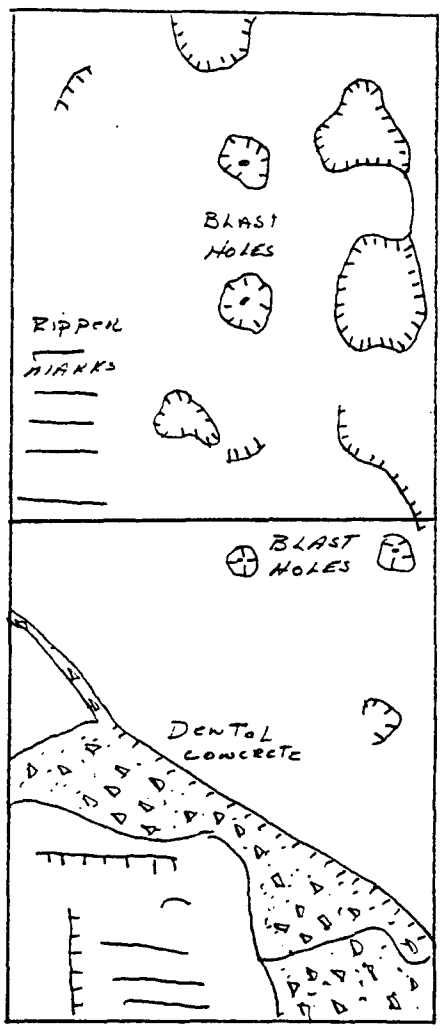
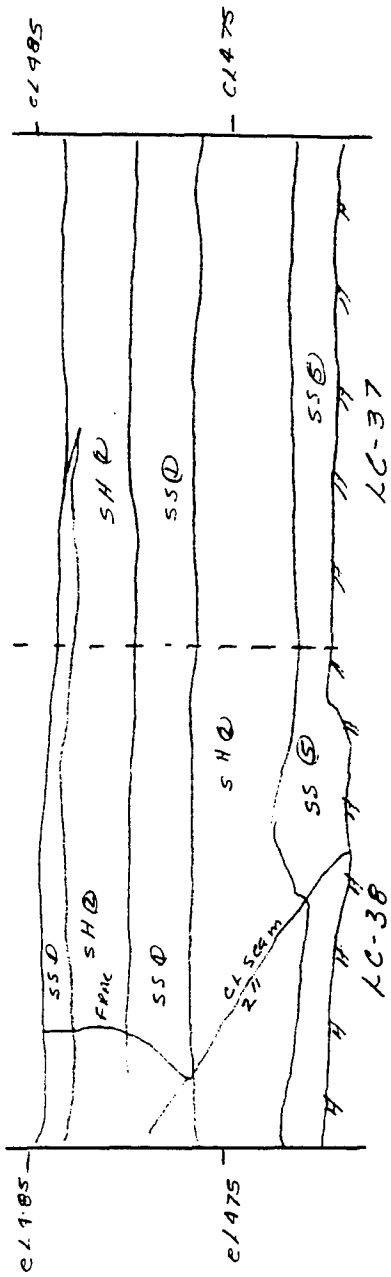


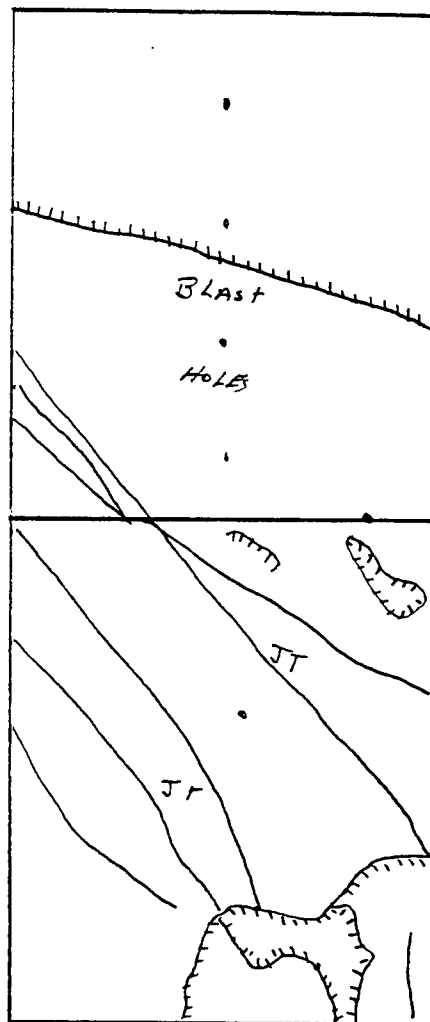
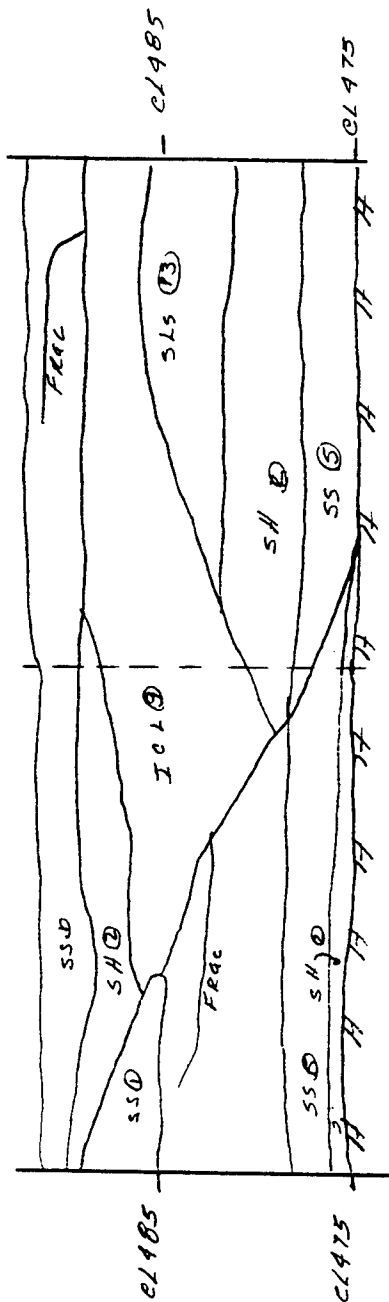
WESTWALL
 LC-31
 LC-32
 LC-33



U.S. Army Corps of Engineers

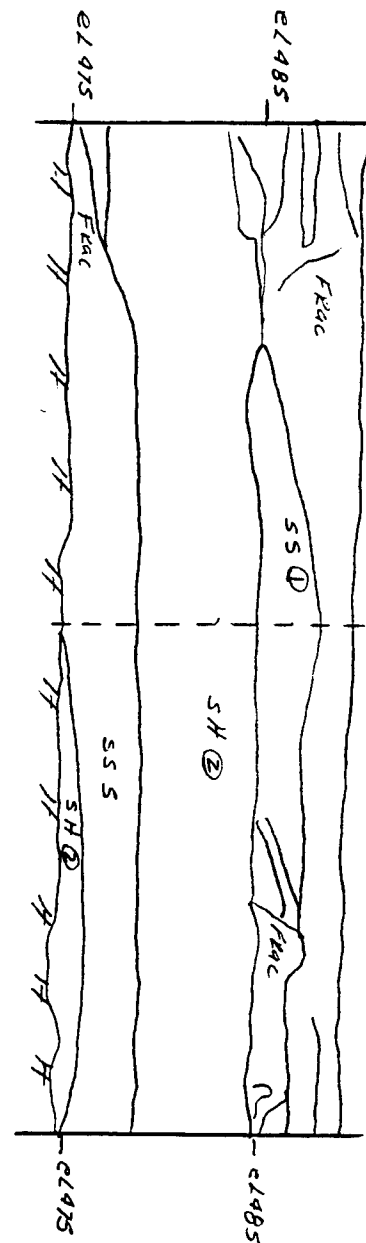
Gallipolis Lock and Dam
 Lock in Canal
 Foundation drawing
 Land Conduit 31,32,33





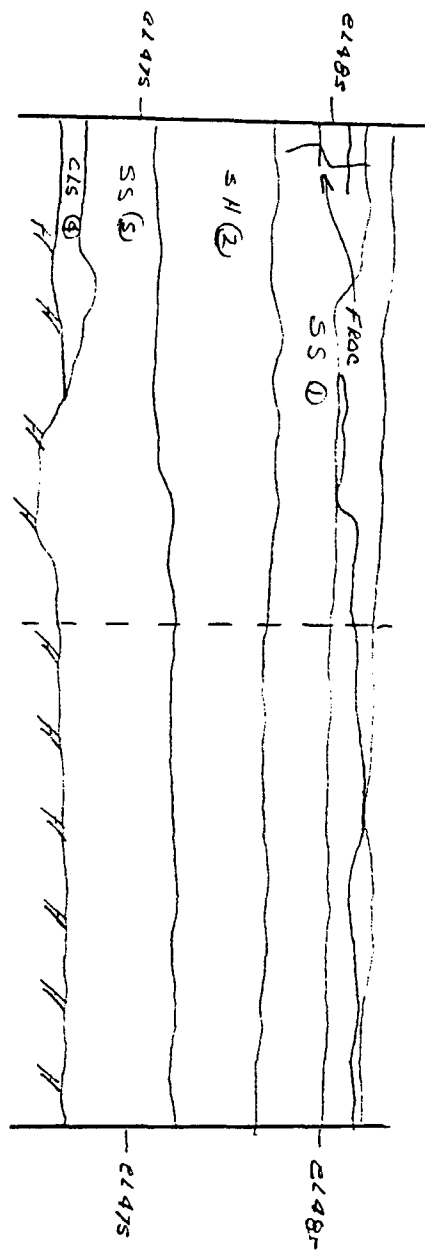
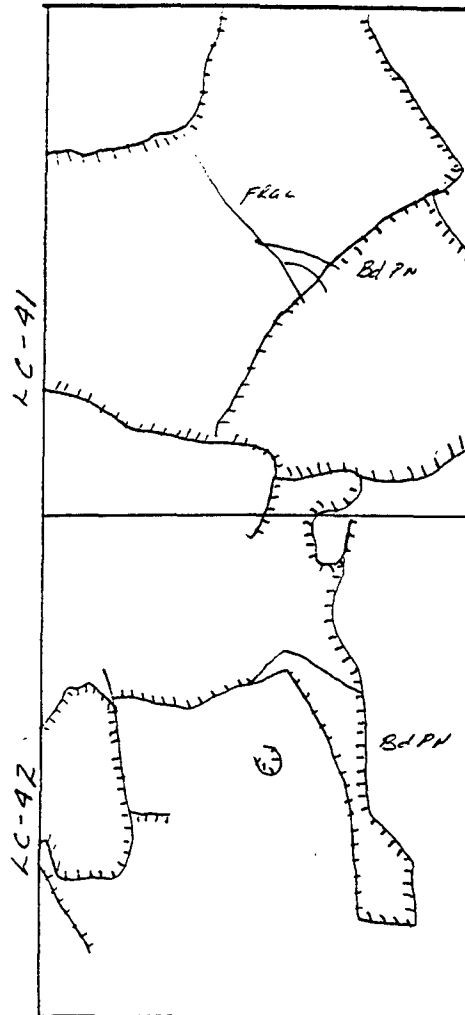
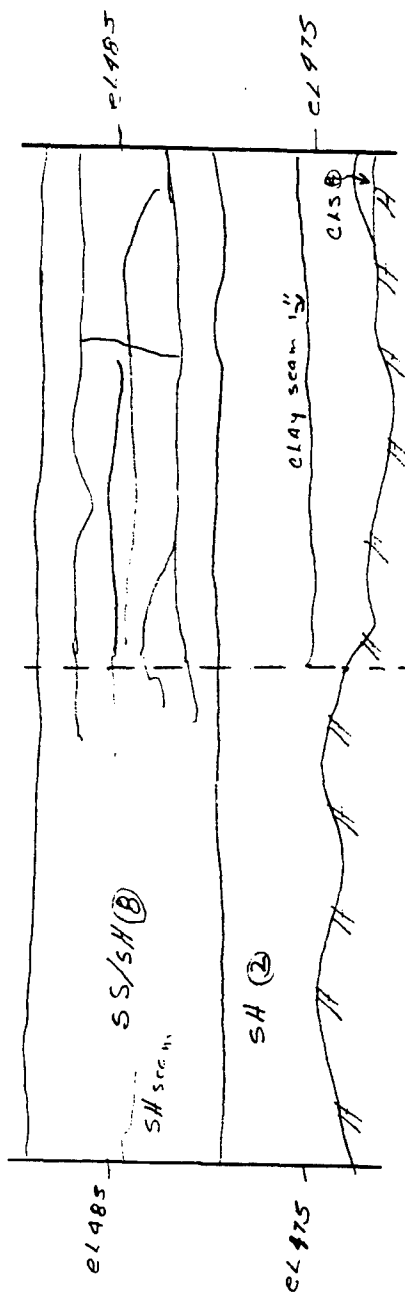
LC-39

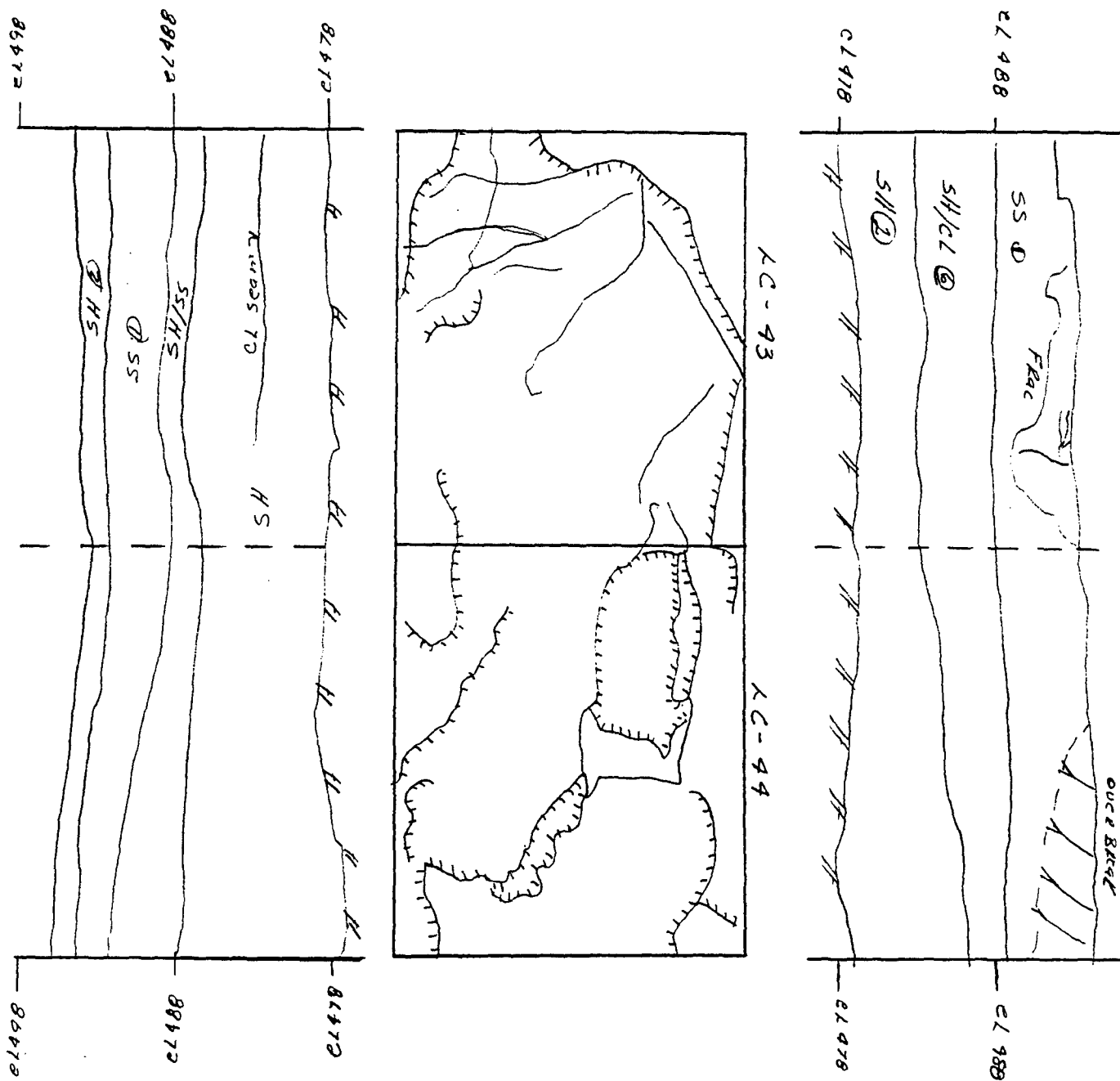
LC-40



U.S. Army Corps of Engineers

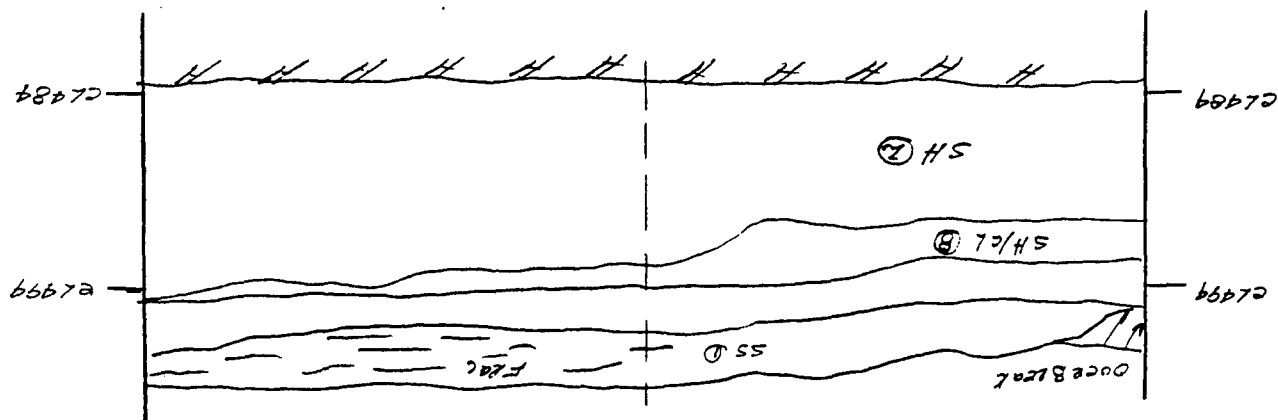
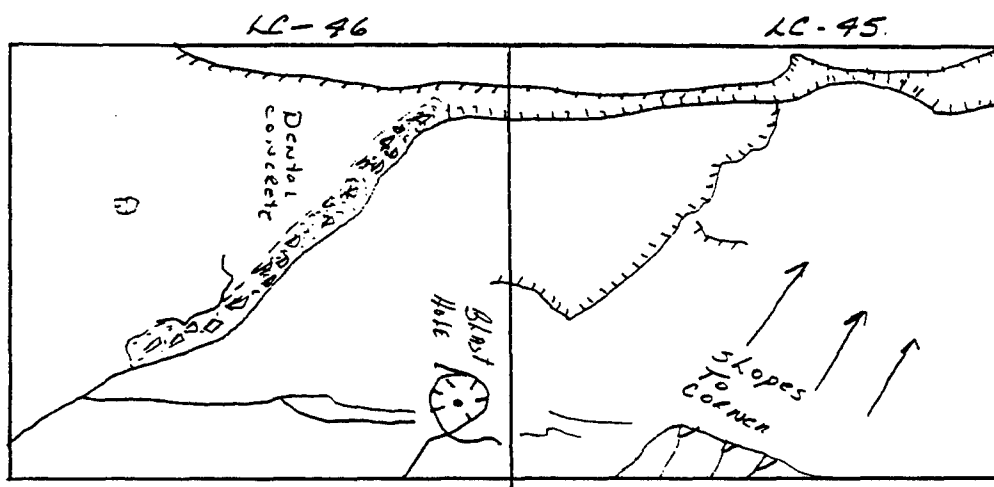
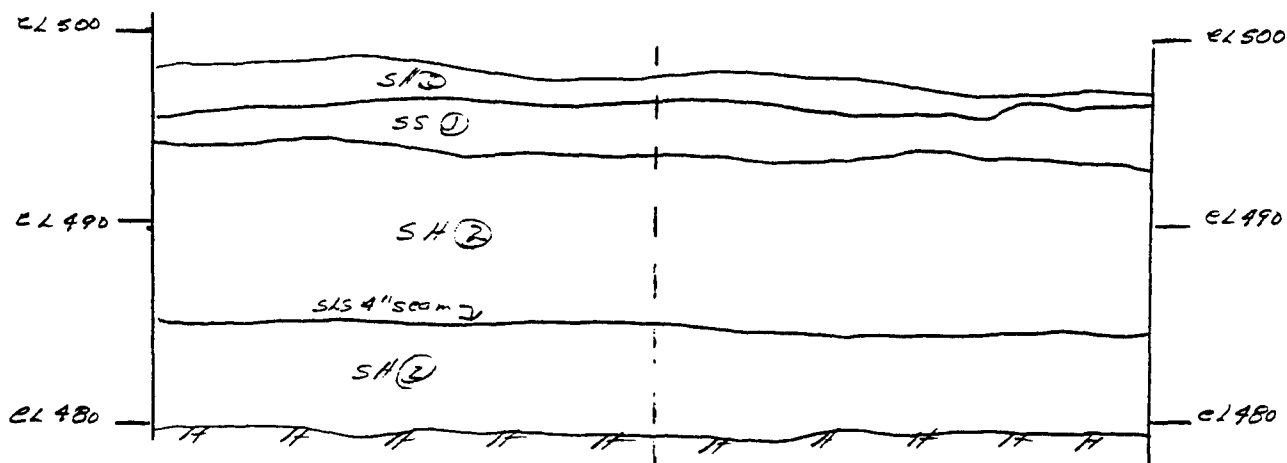
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land conduit 39,40





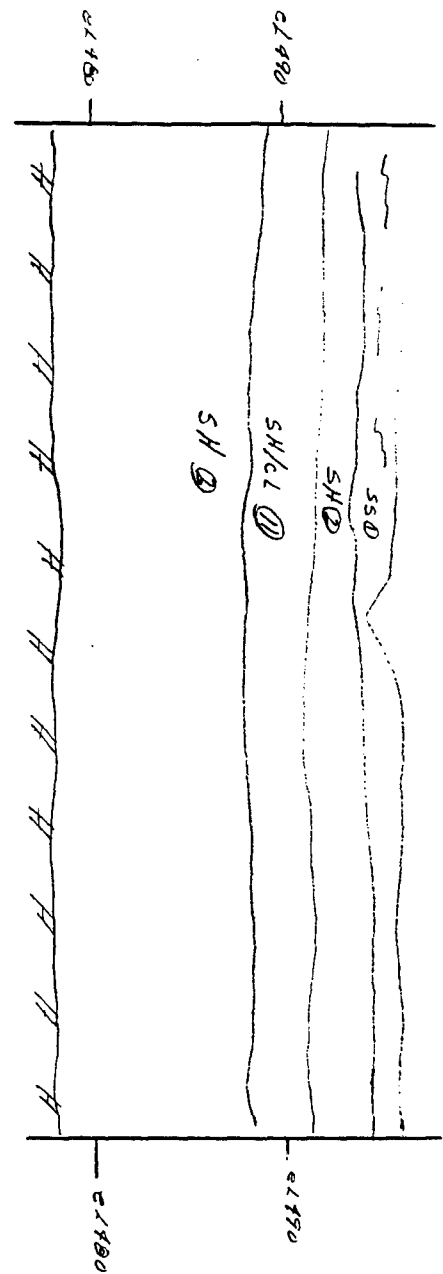
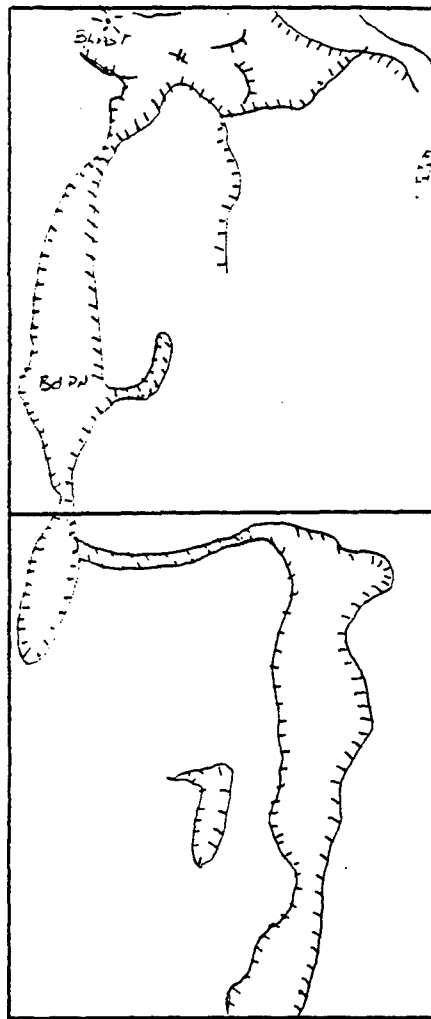
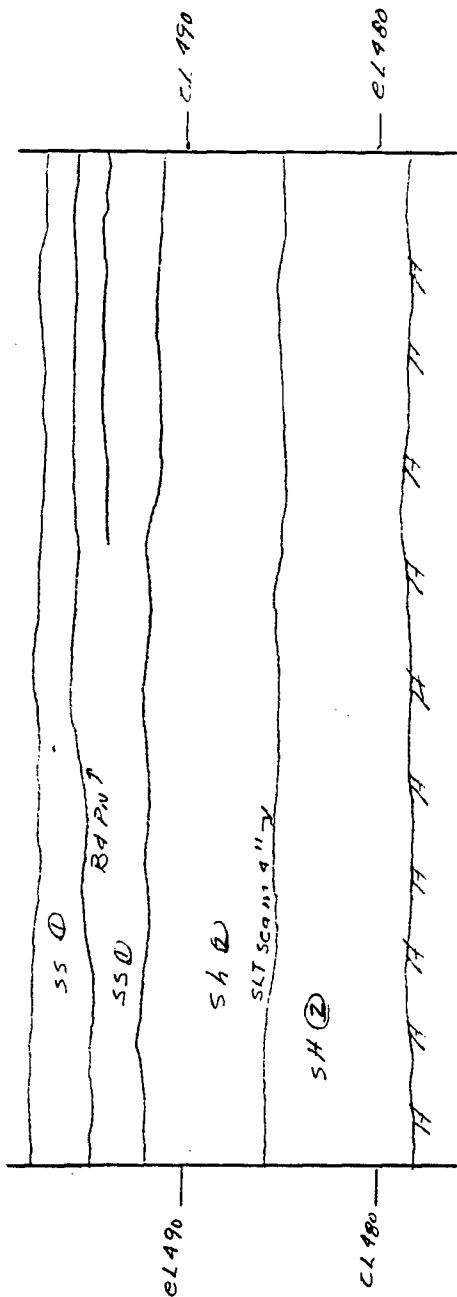
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Land Conduit 43,44

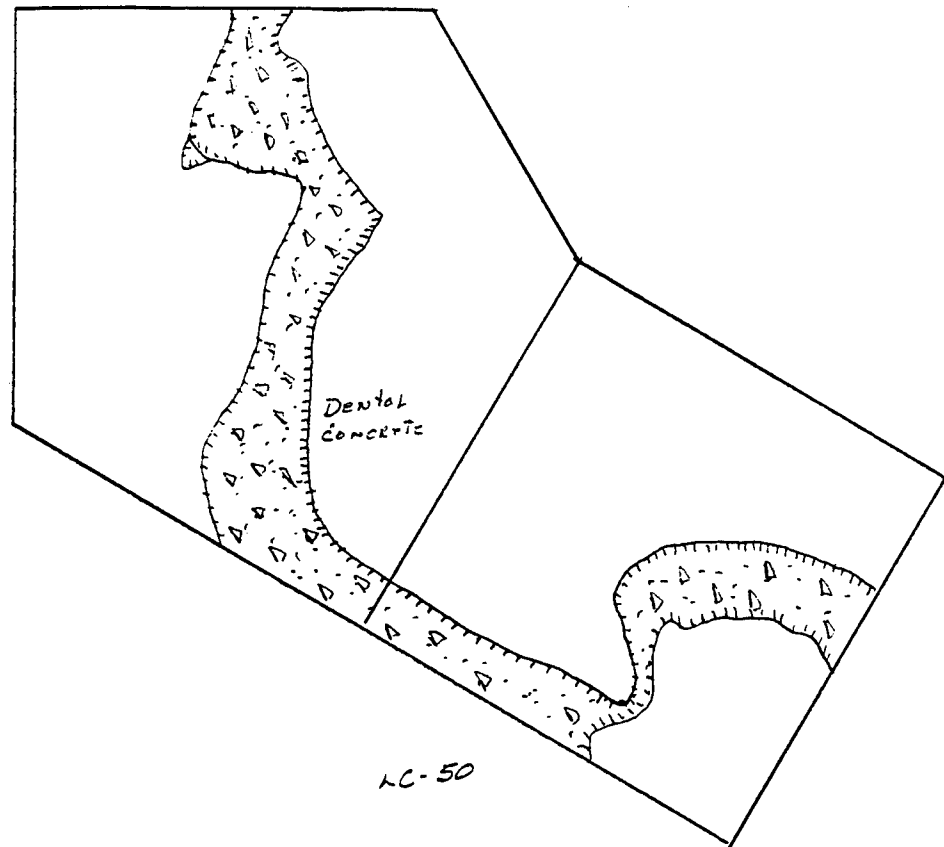


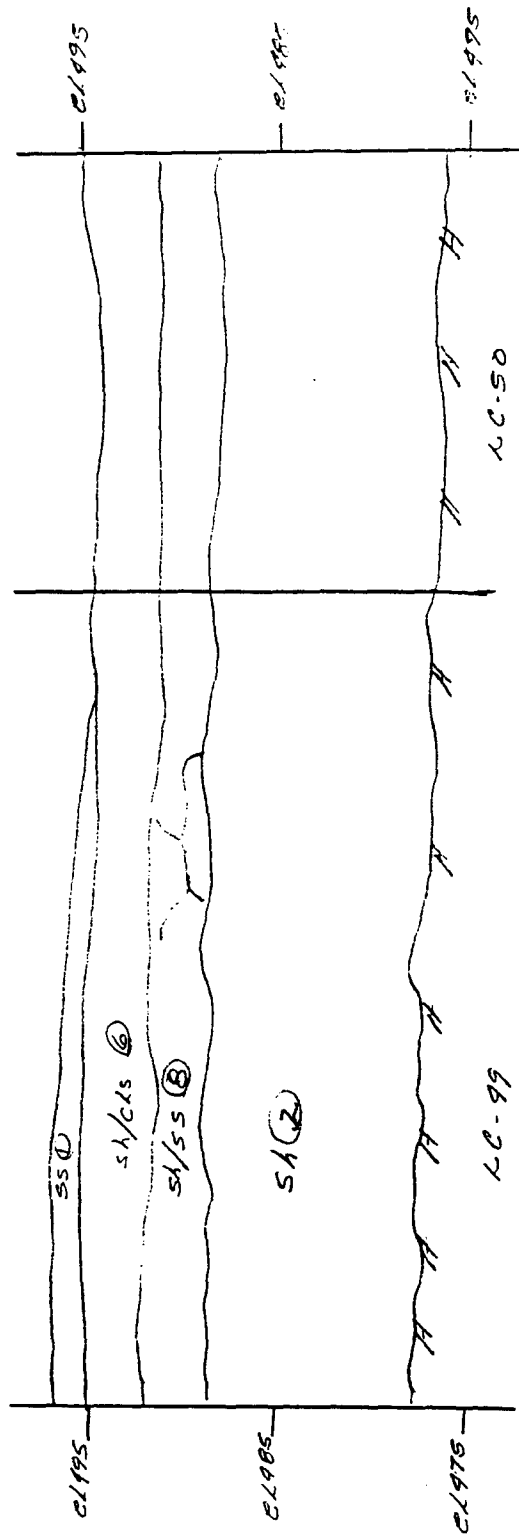
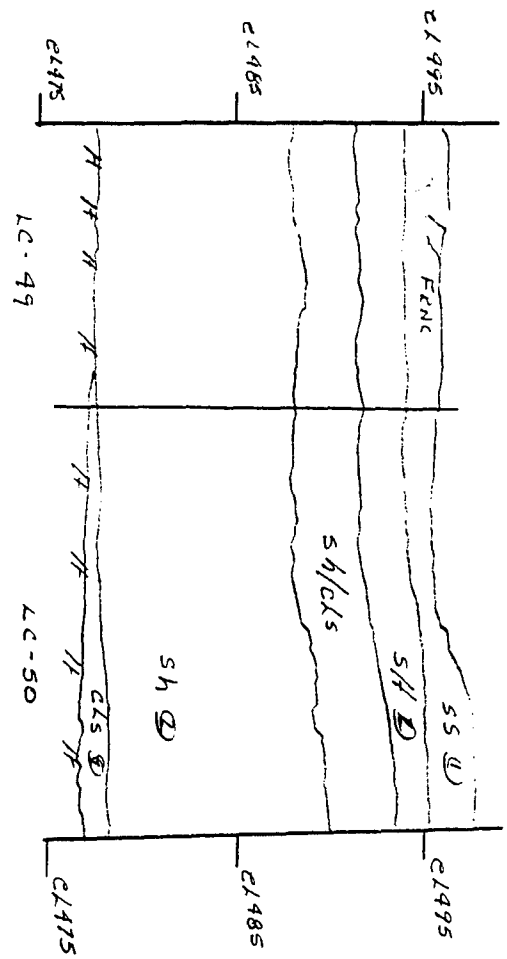
U. S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Conduit 45,46



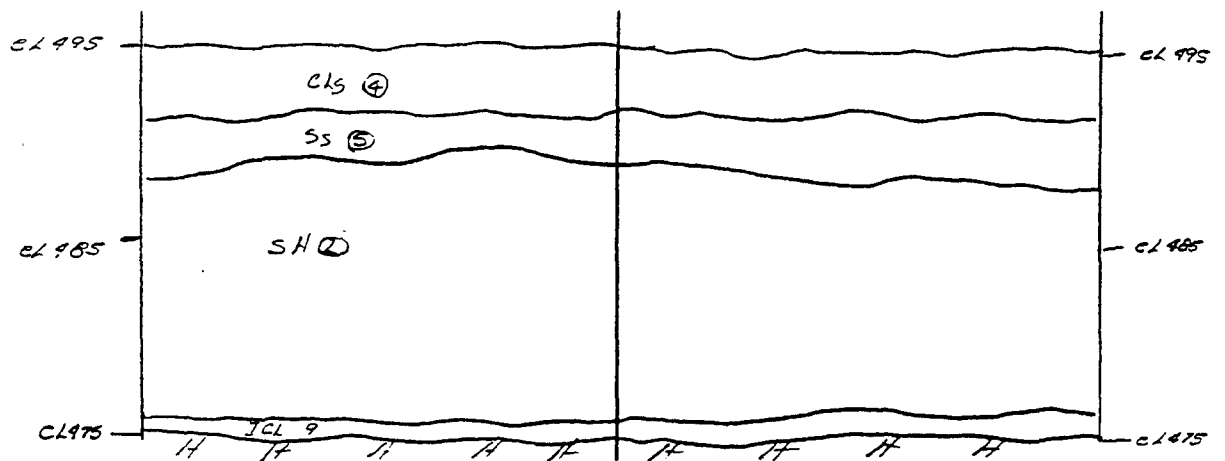
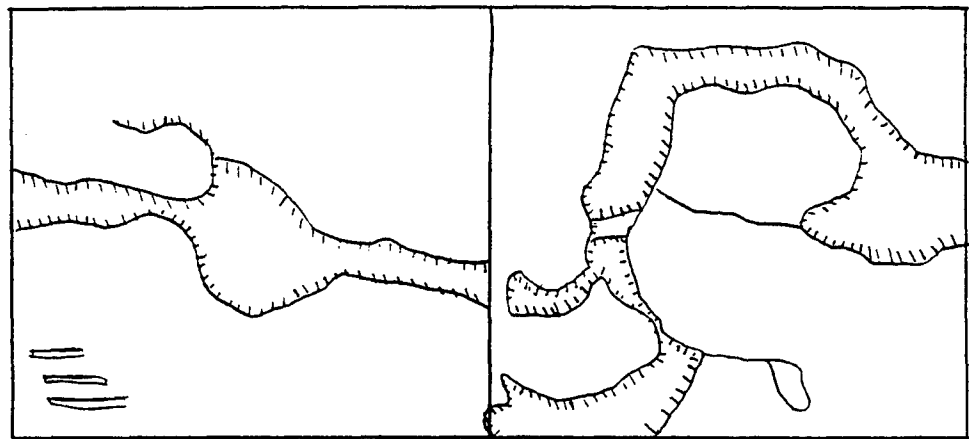
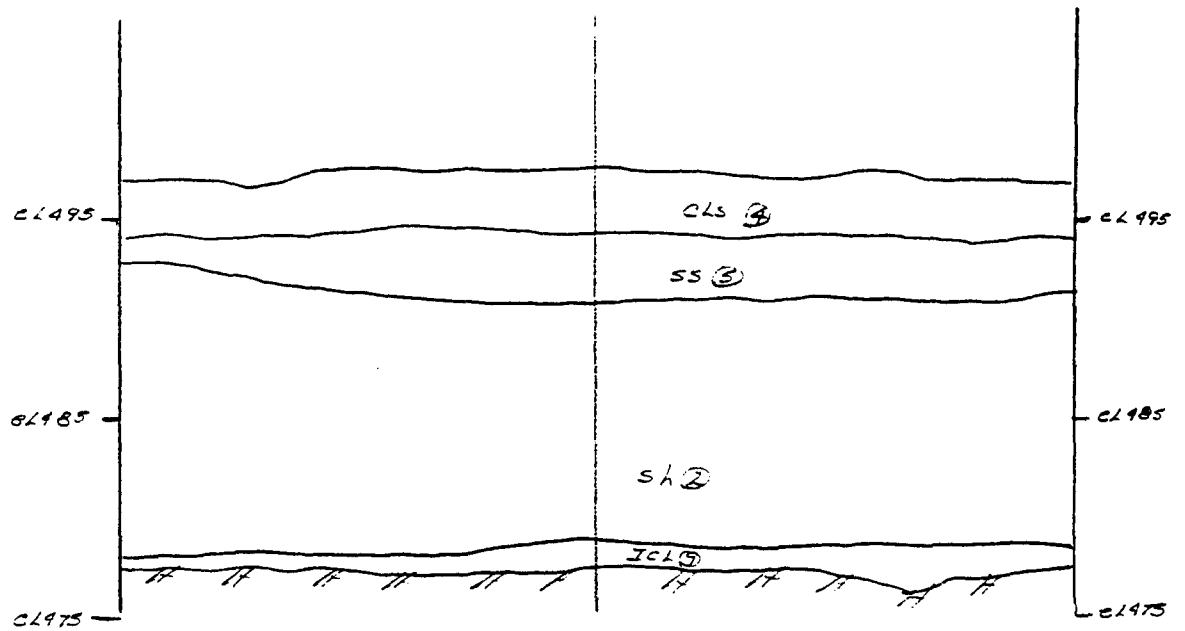
LC-49





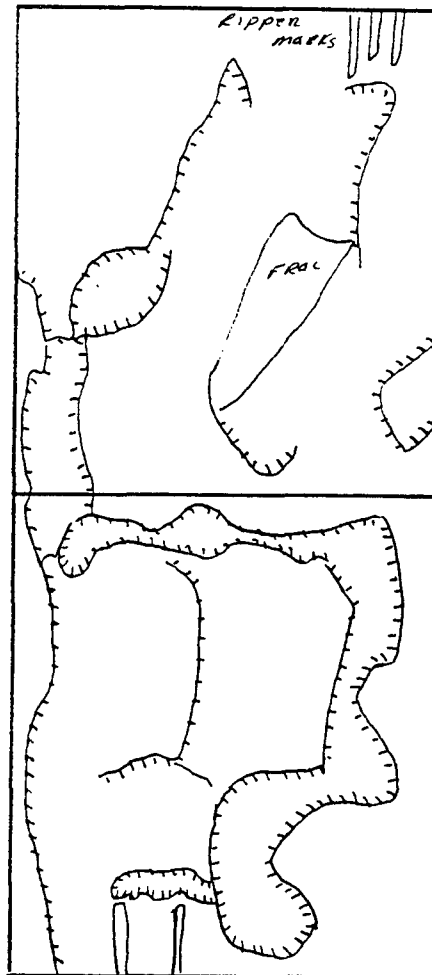
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Conduit 49,50



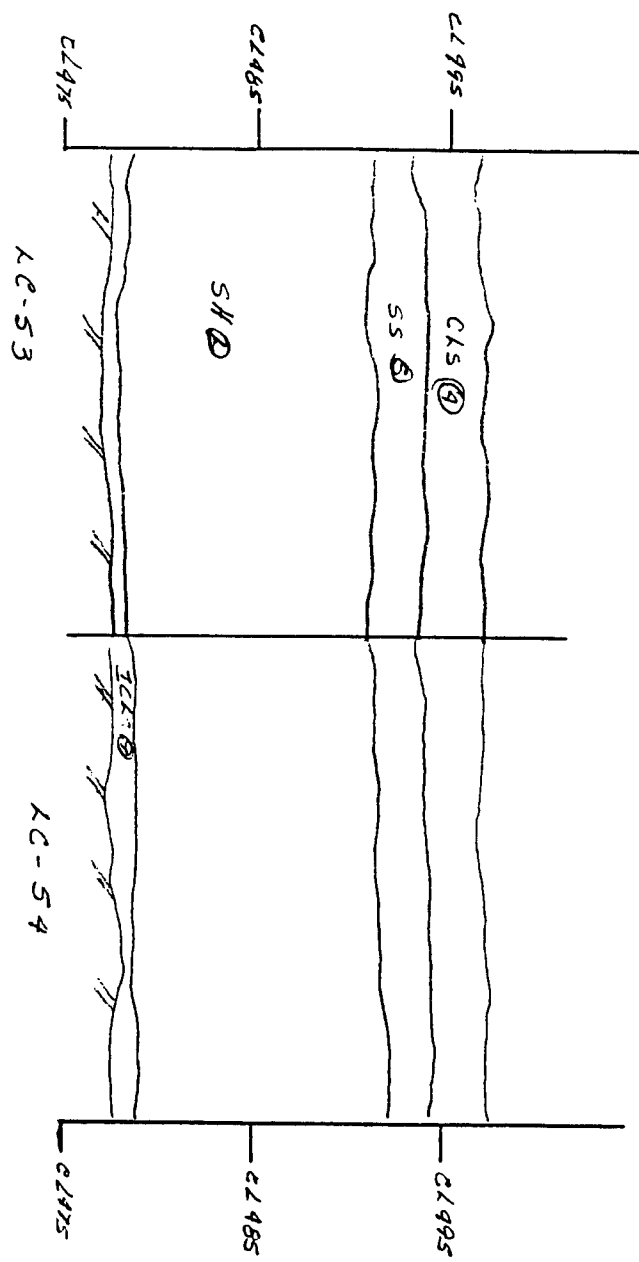
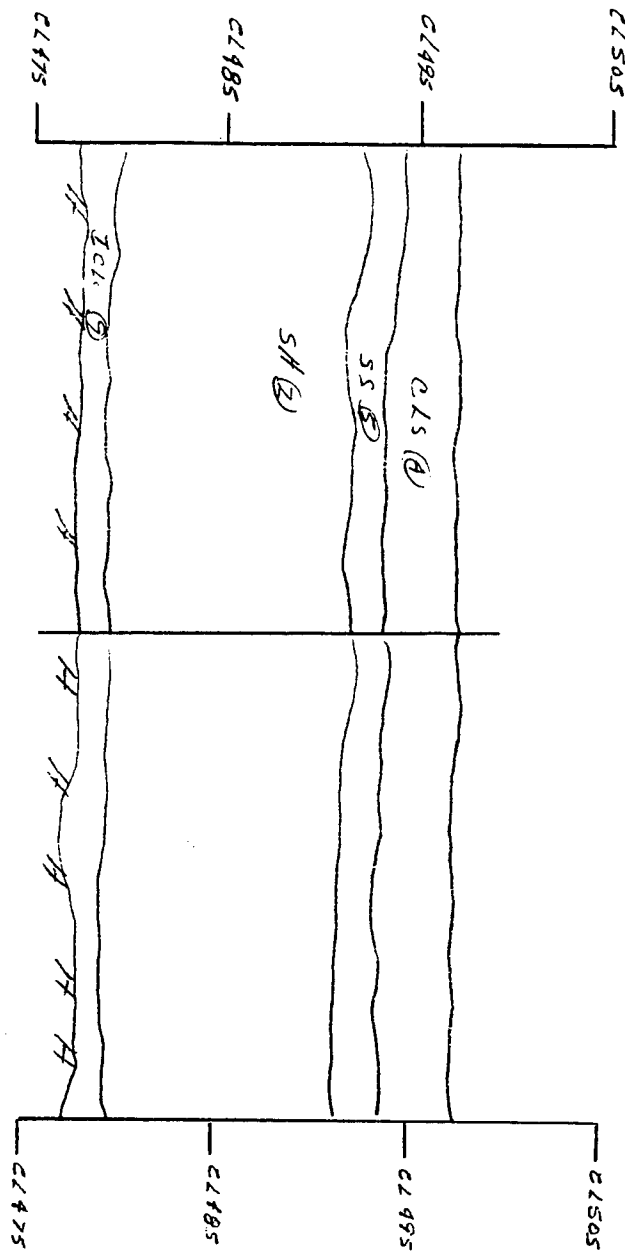
U. S. Army Corps of Engineers

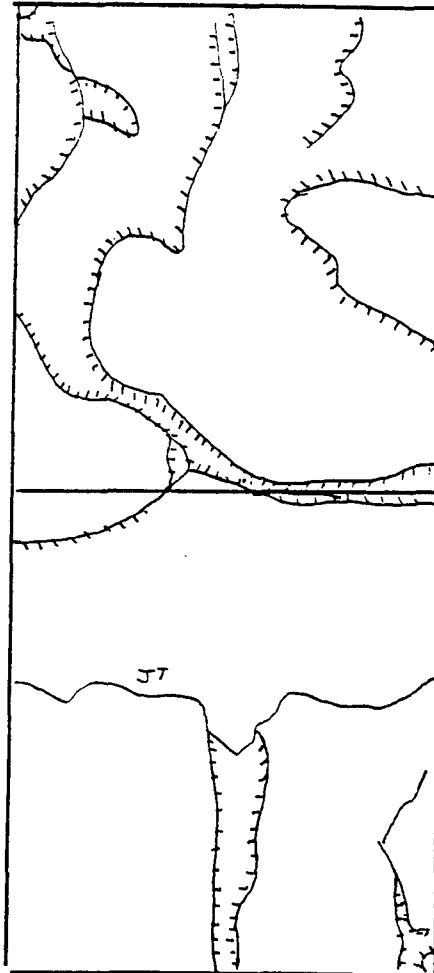
Gallipolis Lock and Dam
 Lock in Canal
 Foundation Drawing
 Land Conduit 51, 52



LC-53

LC-54

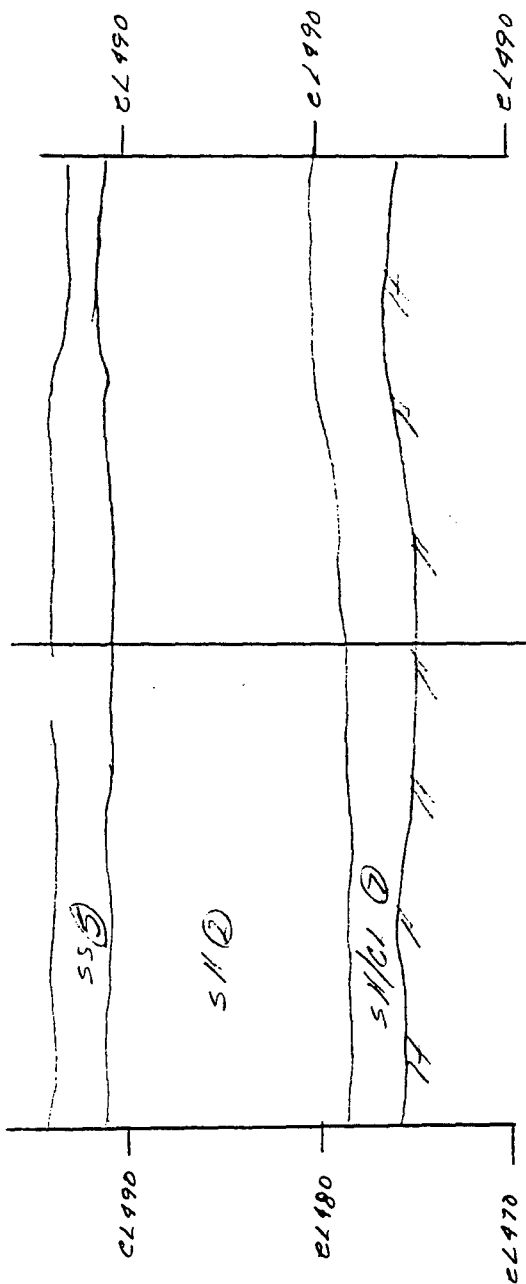




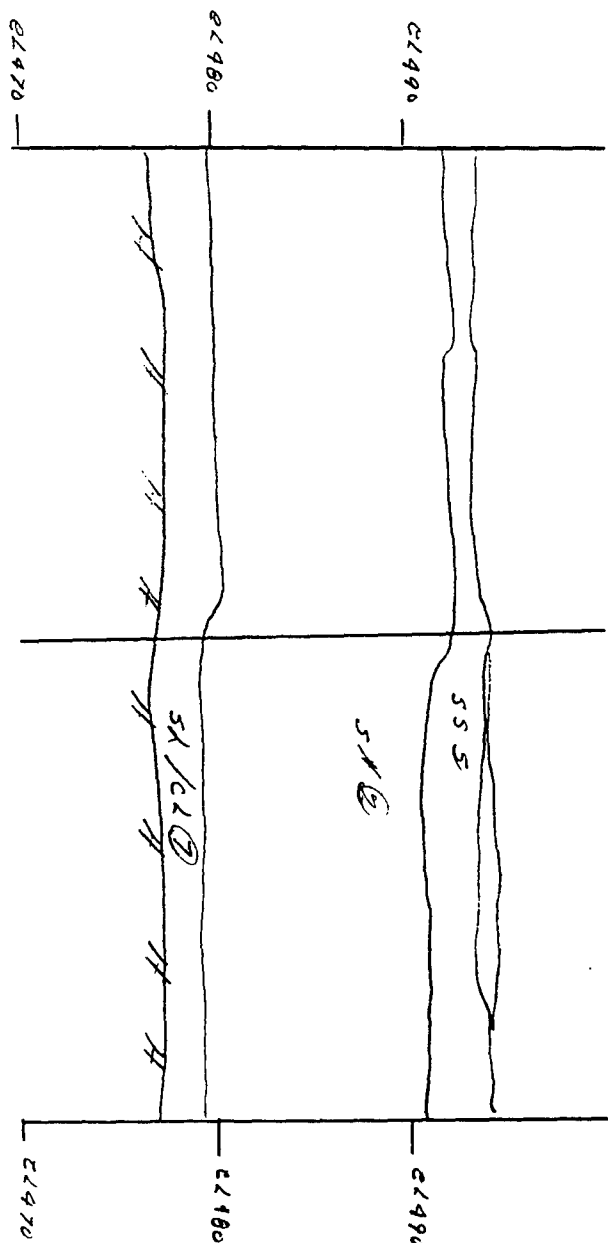
AC-55

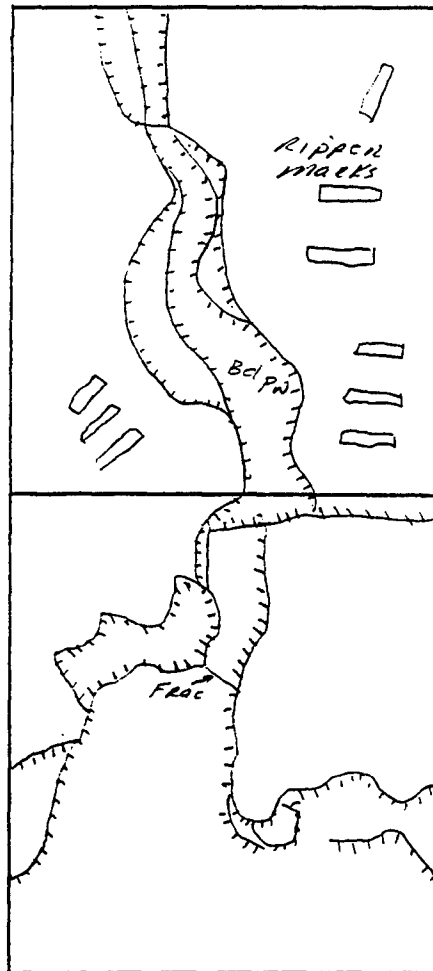
JT

AC-56



LC-55
East Wall
West Wall
LC-56



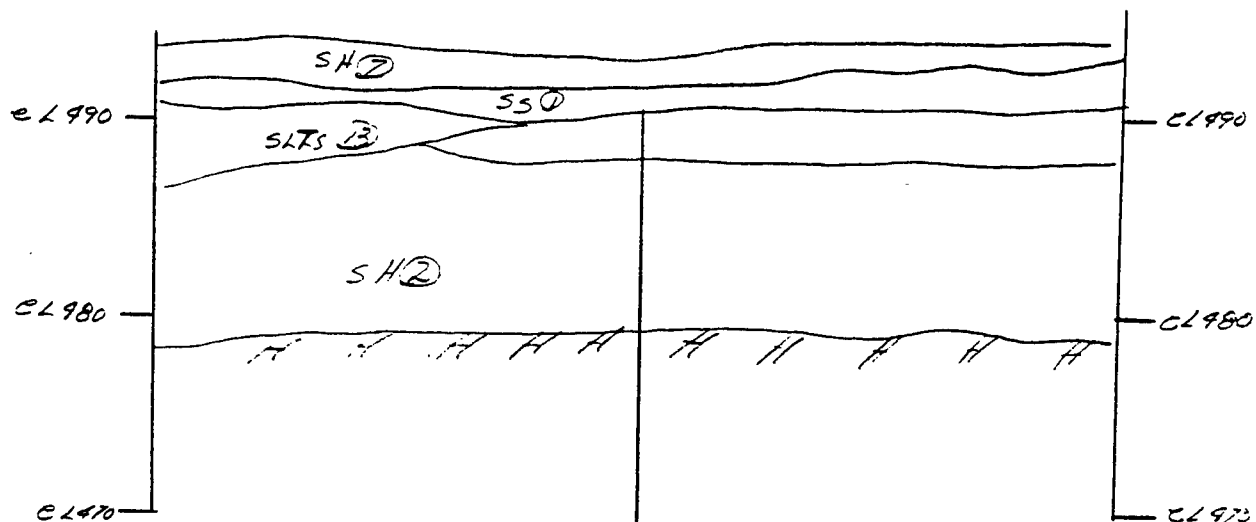


LC-57

LC-58

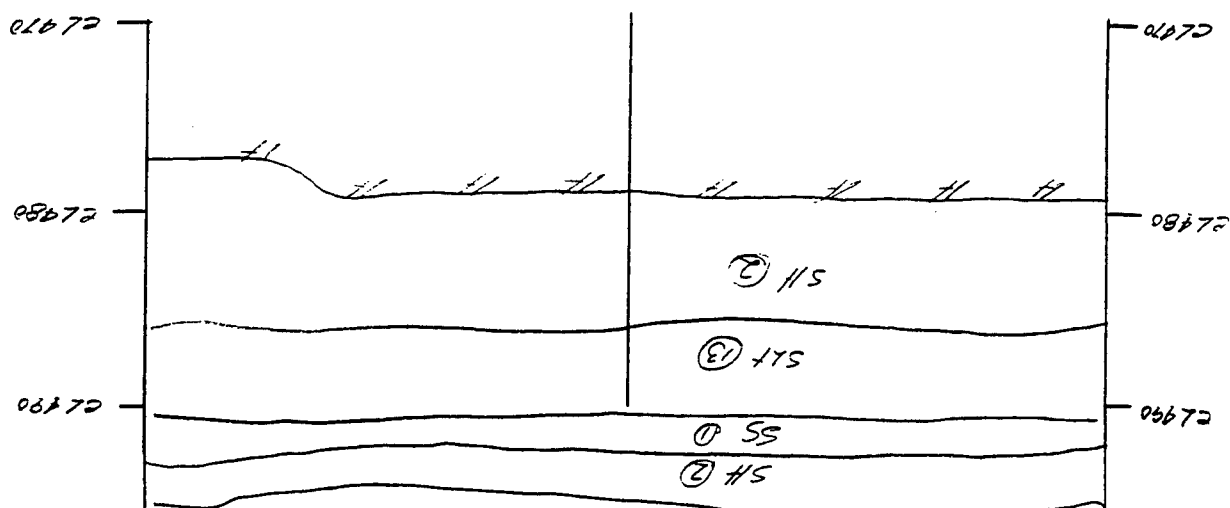
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Conduit 57,58



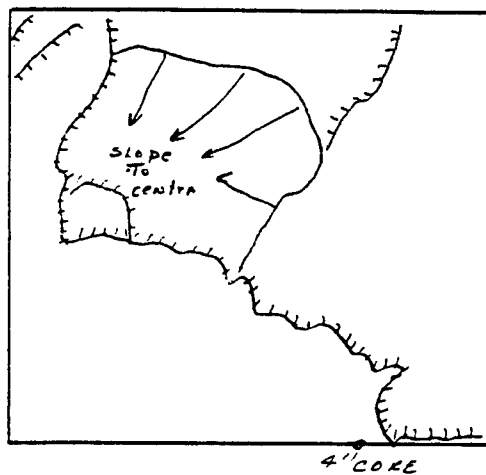
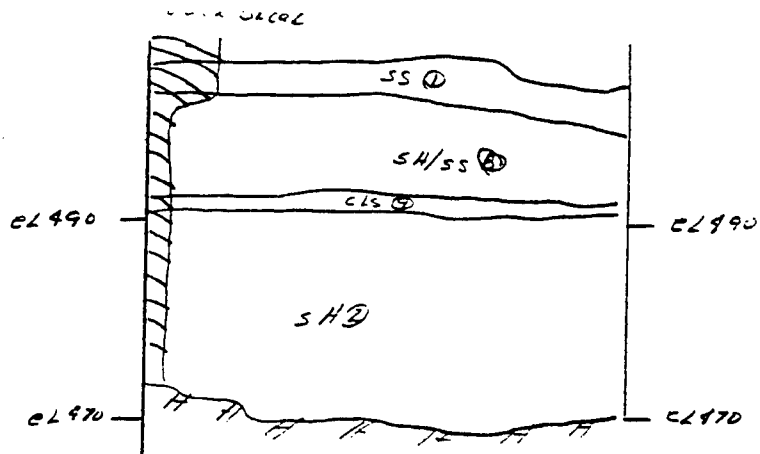
LC-58

LC-57

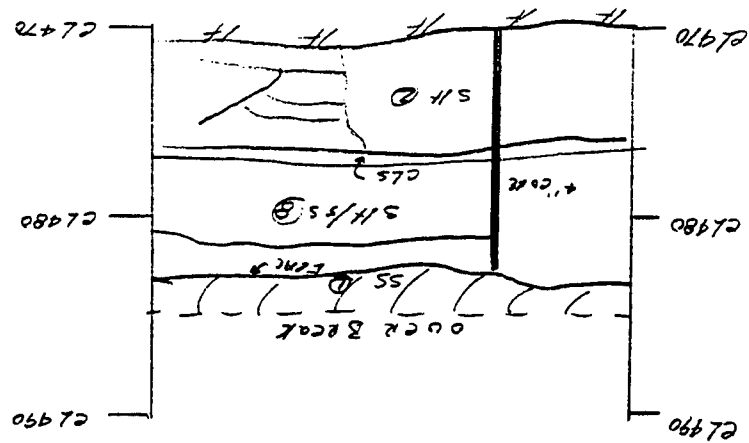


U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Land Conduit 57,58

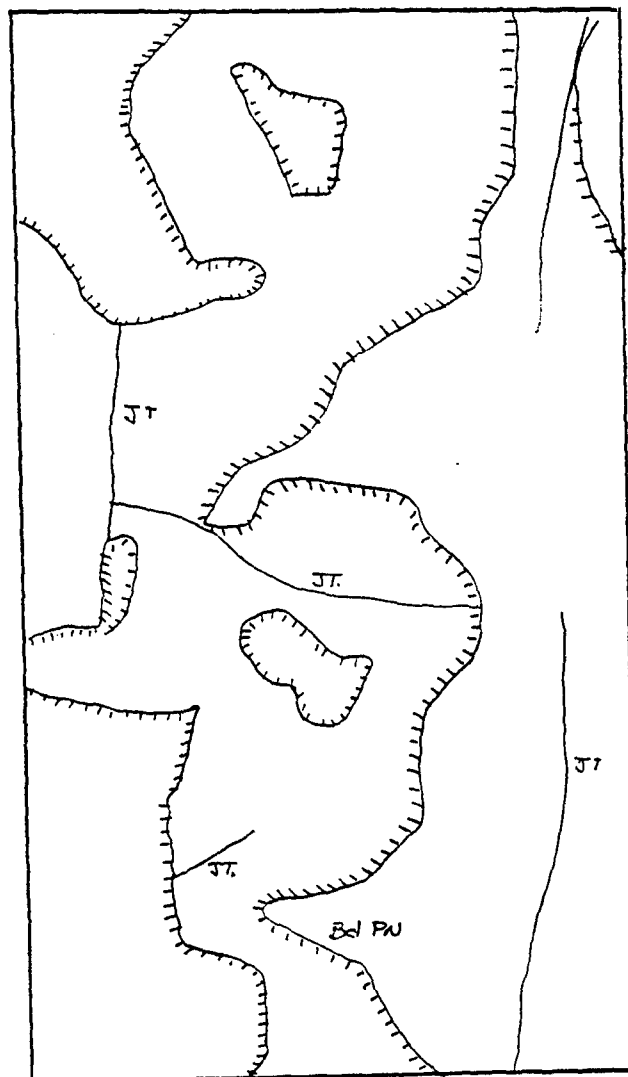


LC-59

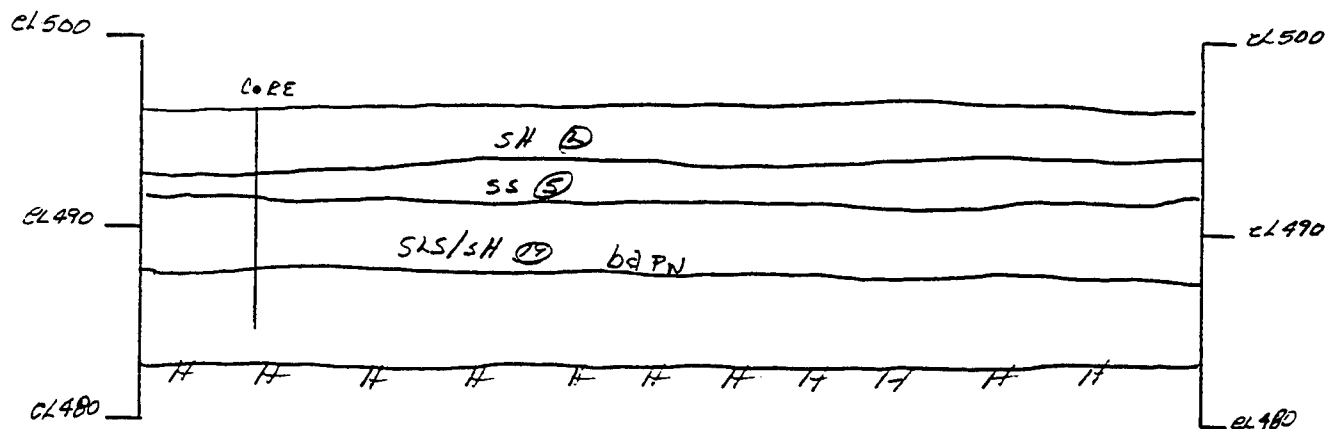
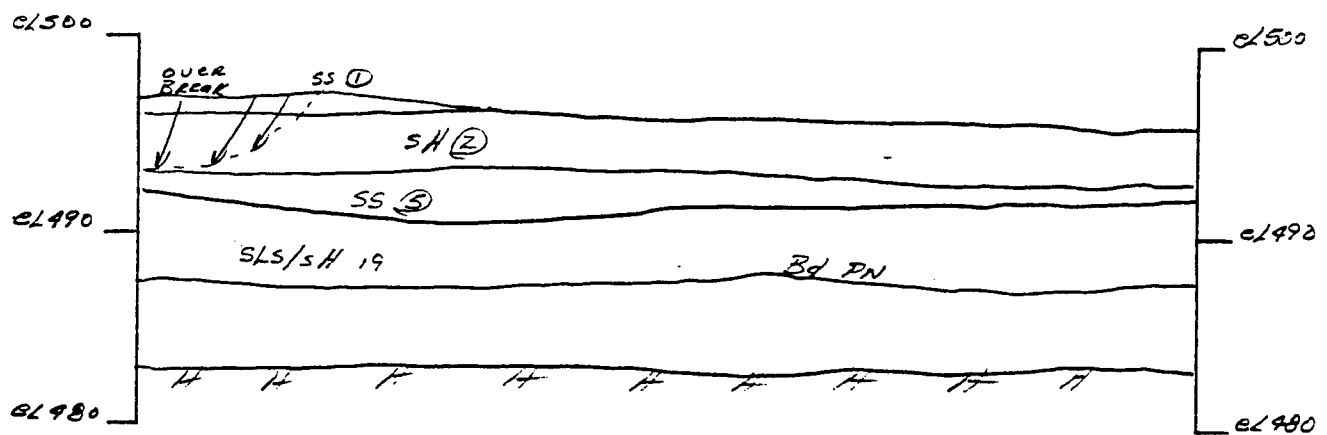
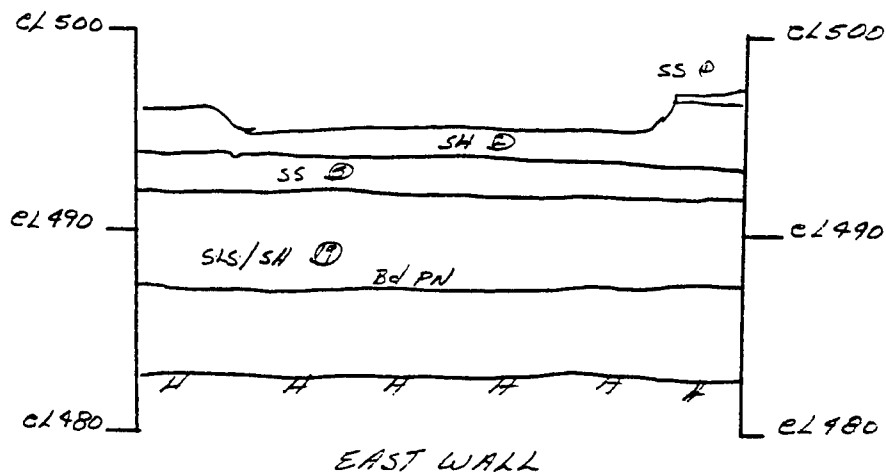


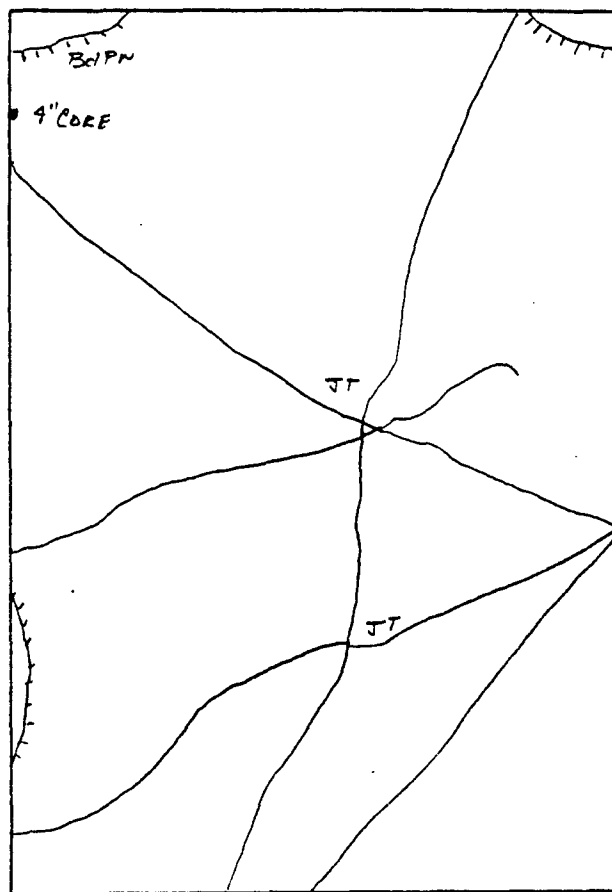
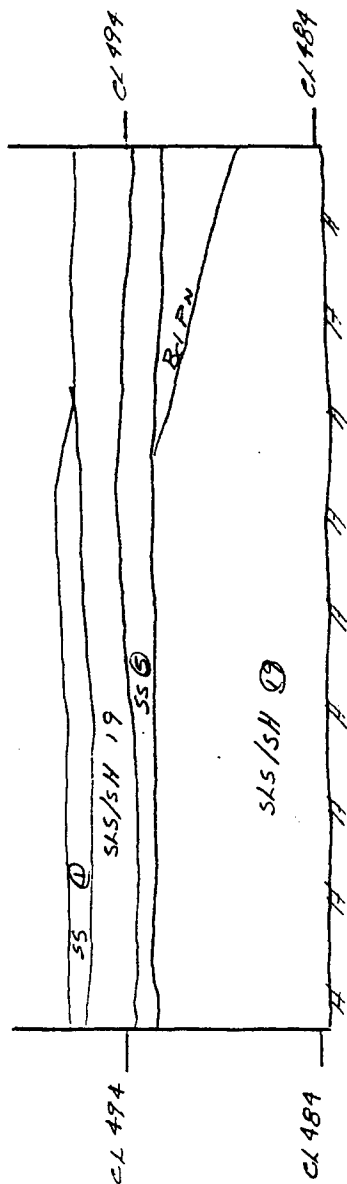
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Landwall Conduit 59

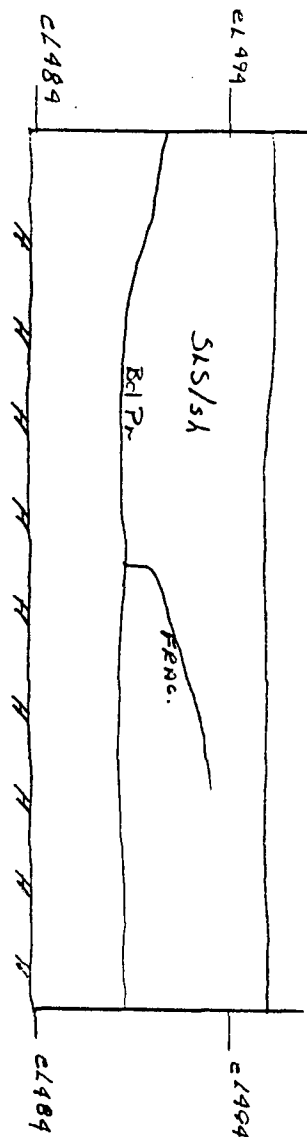


RI-1



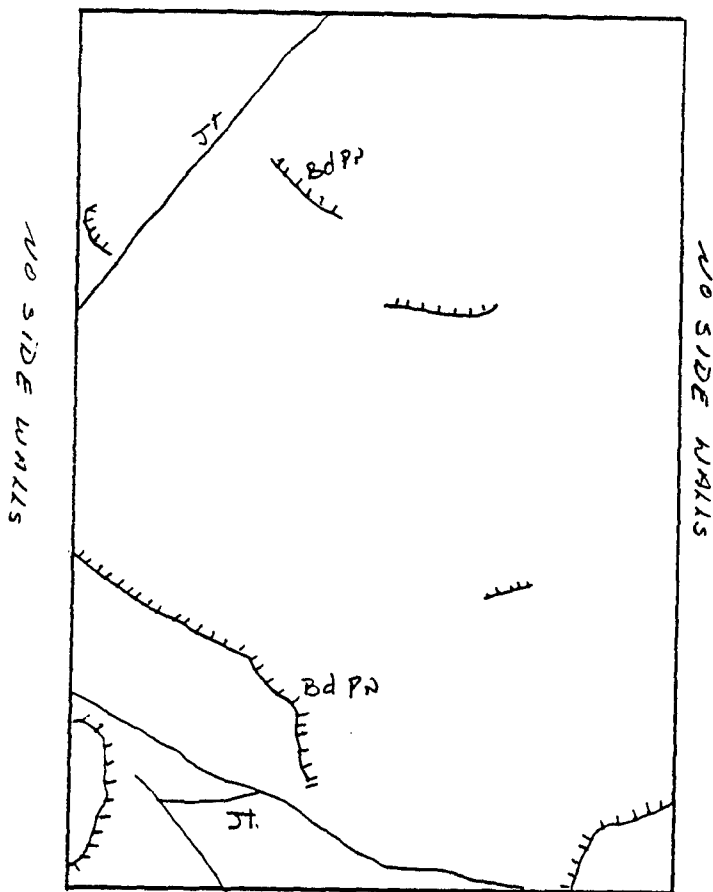


RI-2

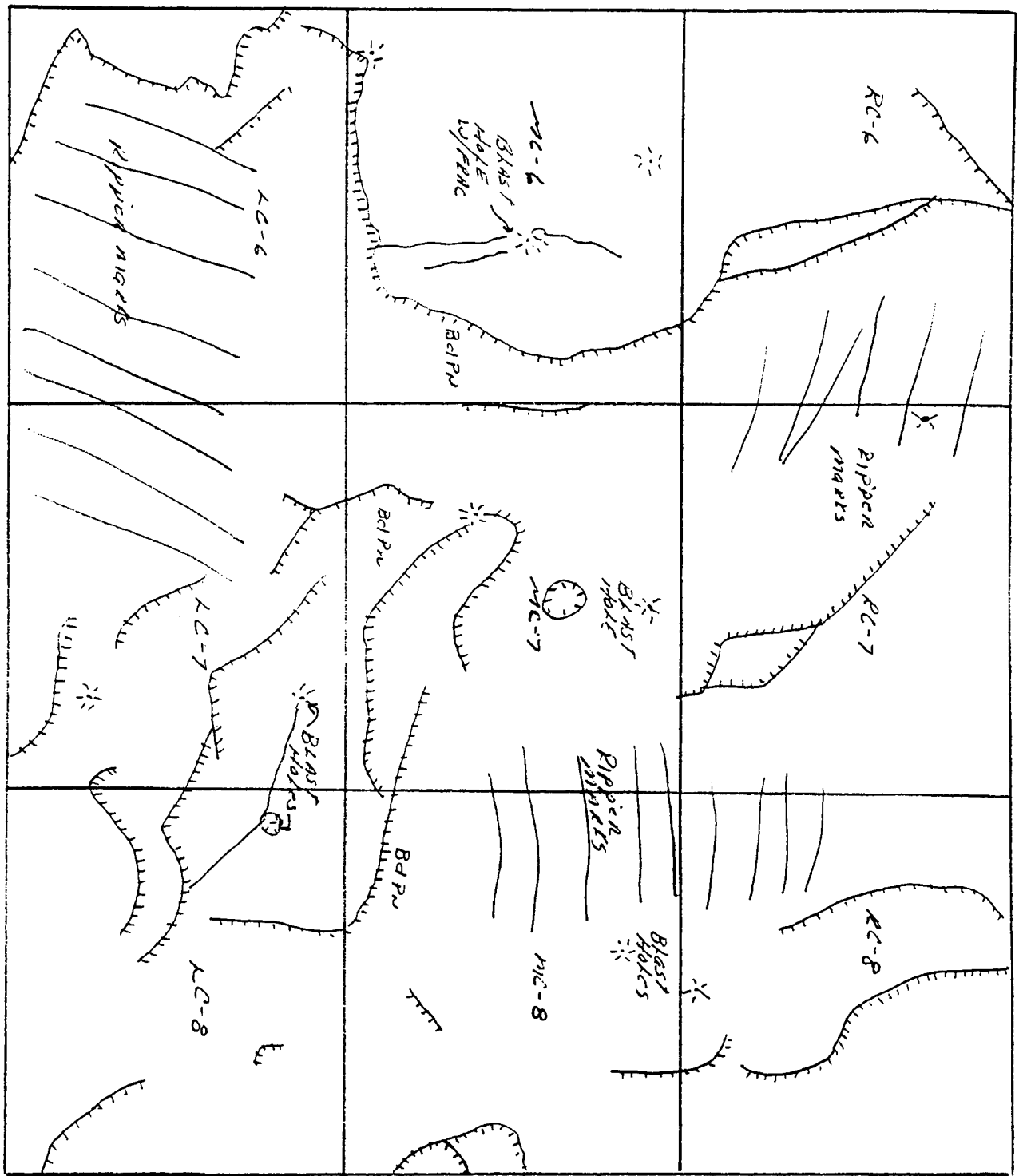


U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Inlet Monolith 2

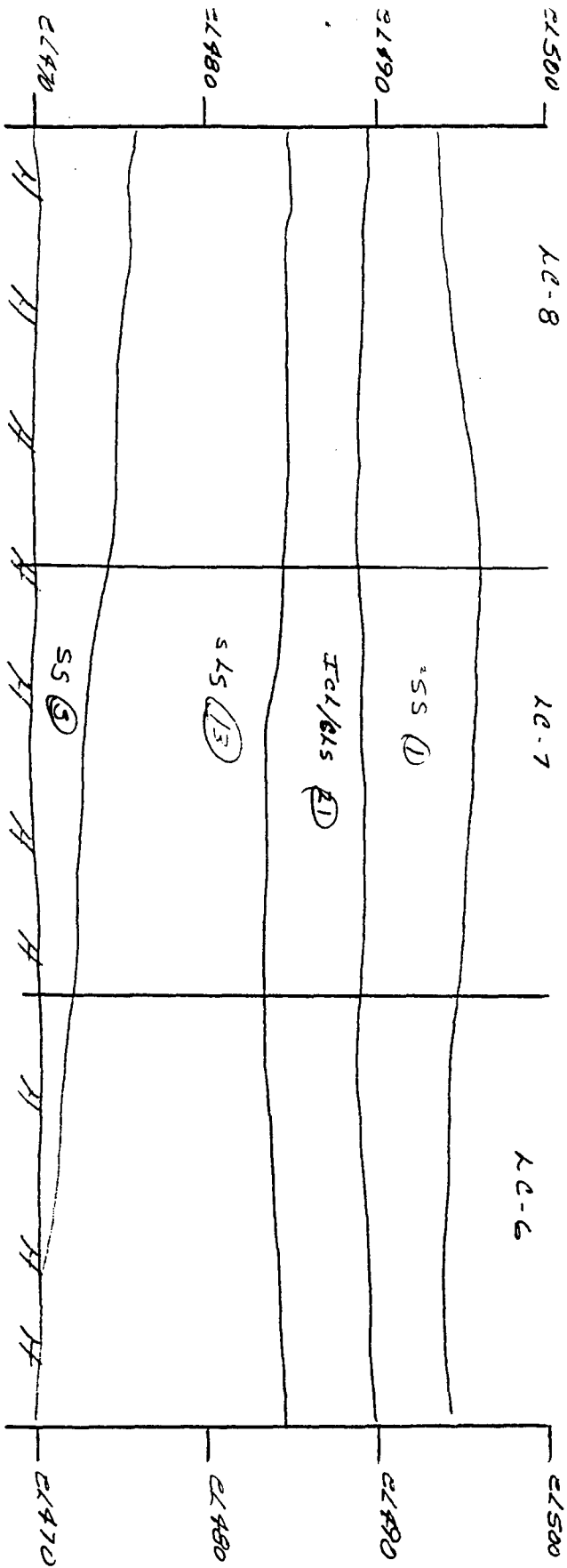
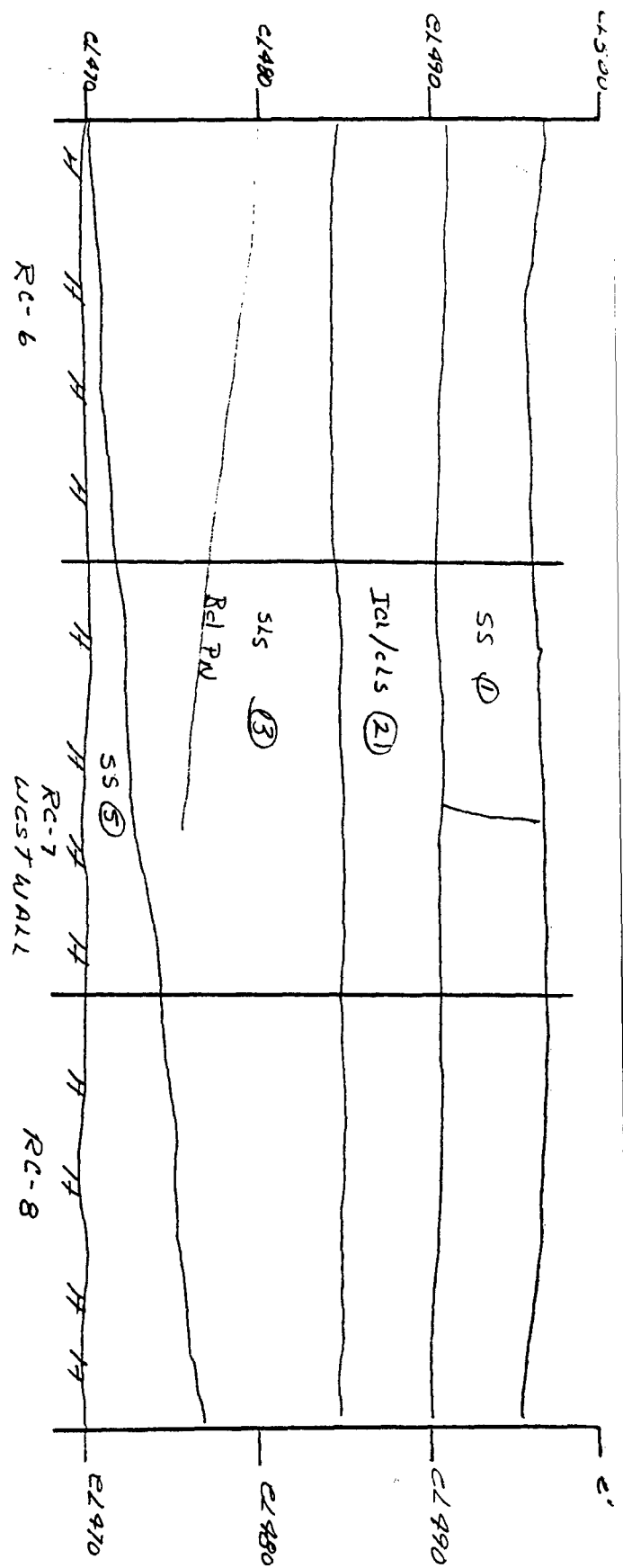


RI-3



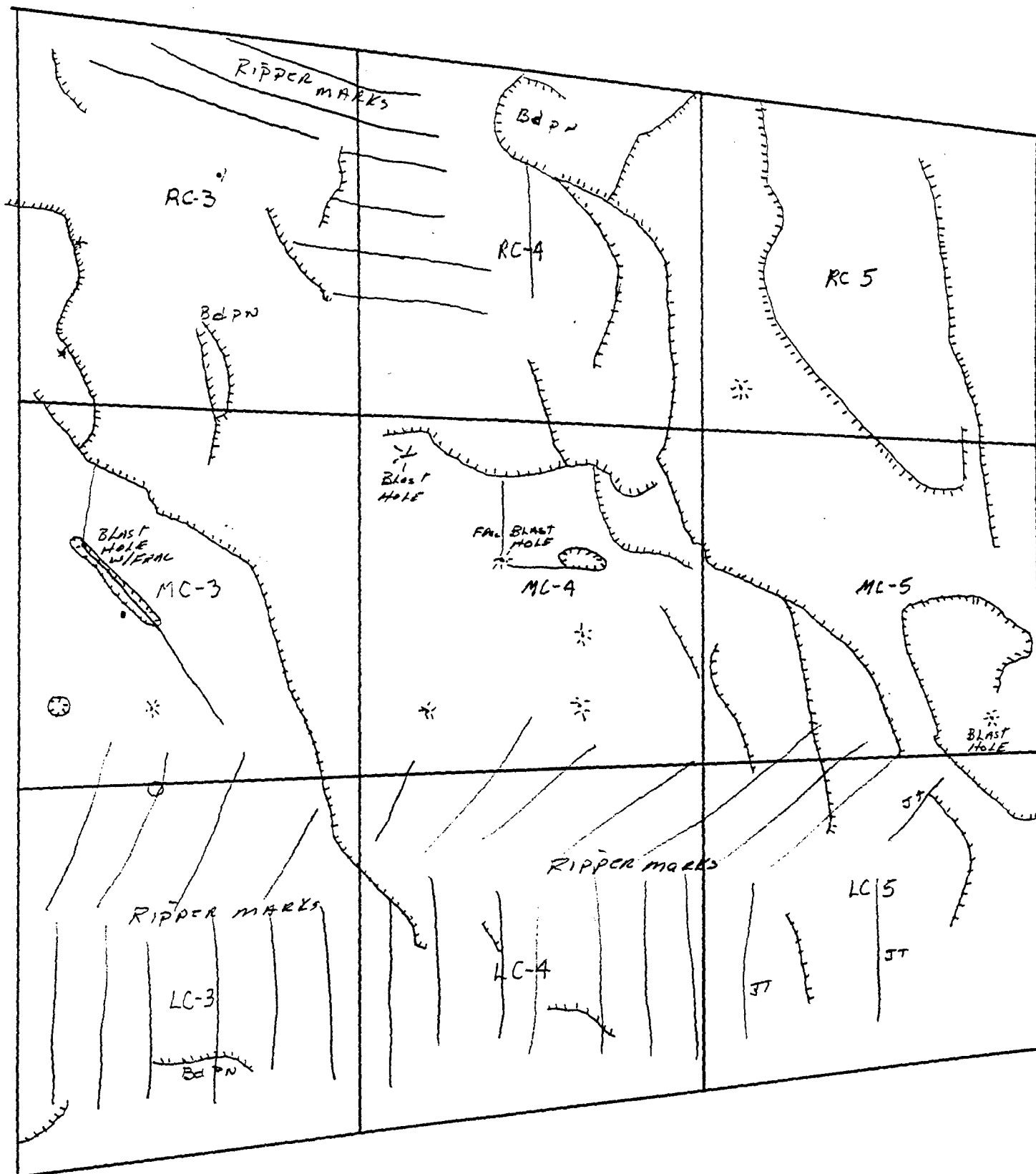
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Outlet Conduit



U.S. Army Corps of Engineers

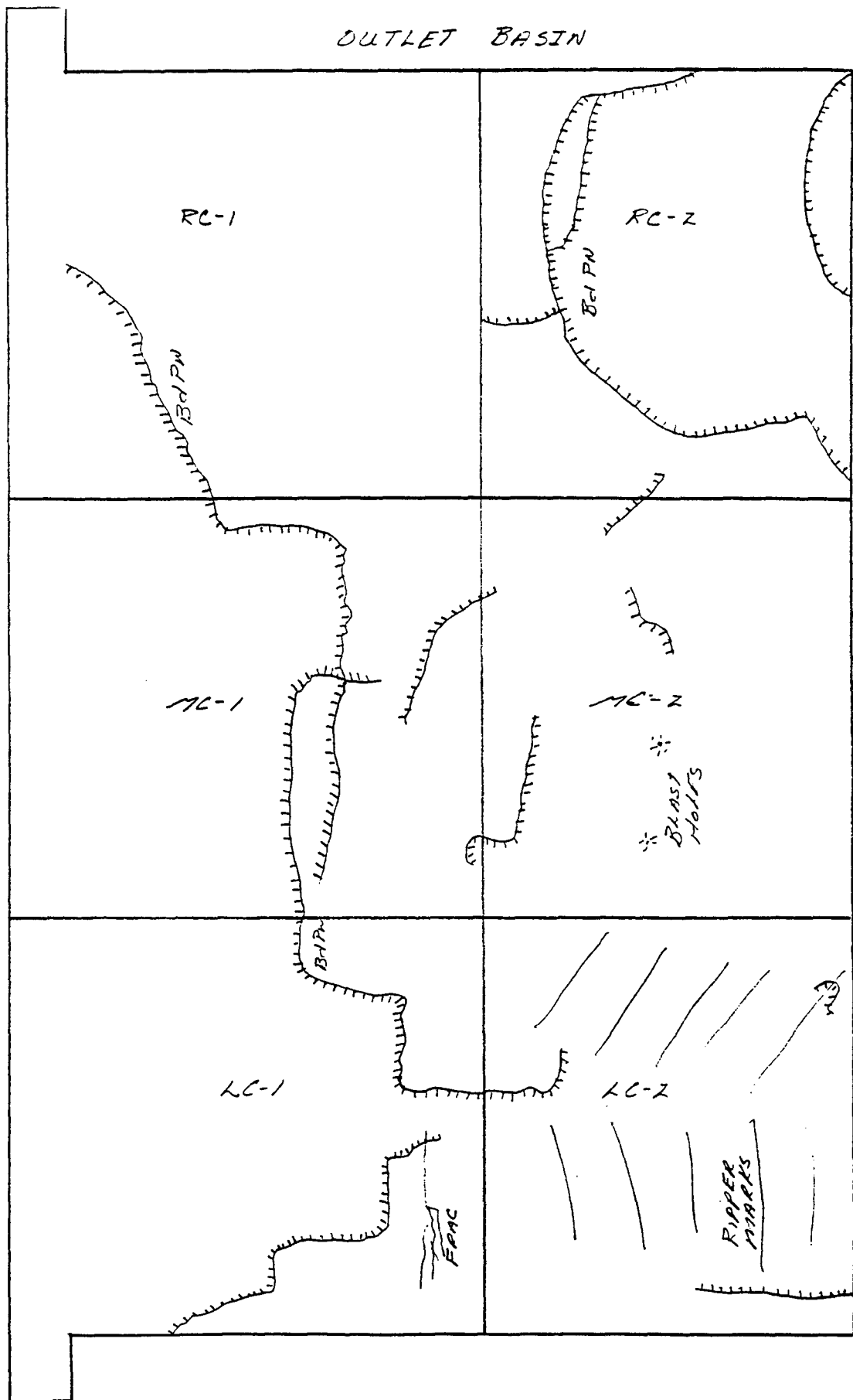
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Outlet Conduit



U.S. Army Corps of Engineers

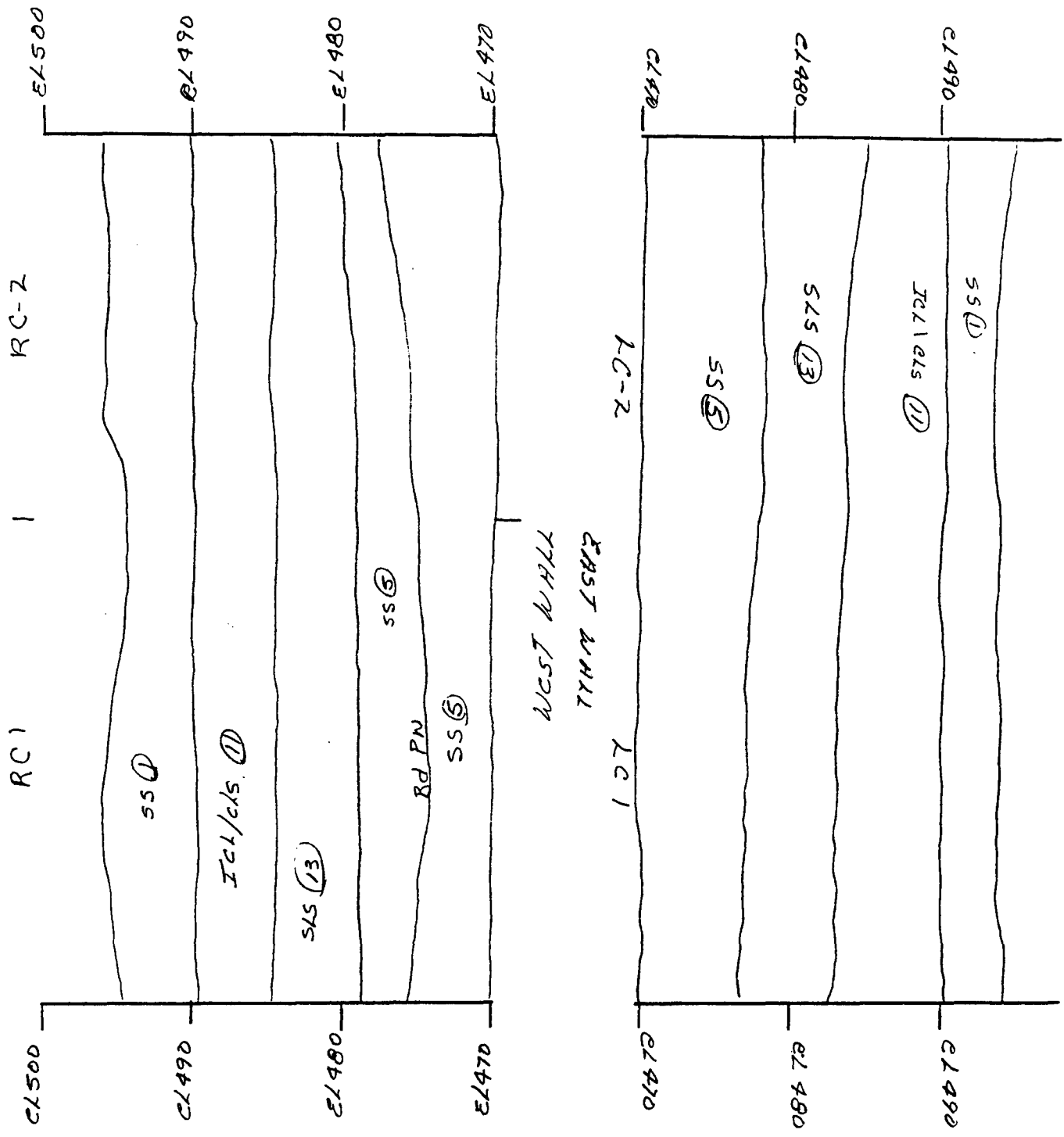
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Outlet Conduit

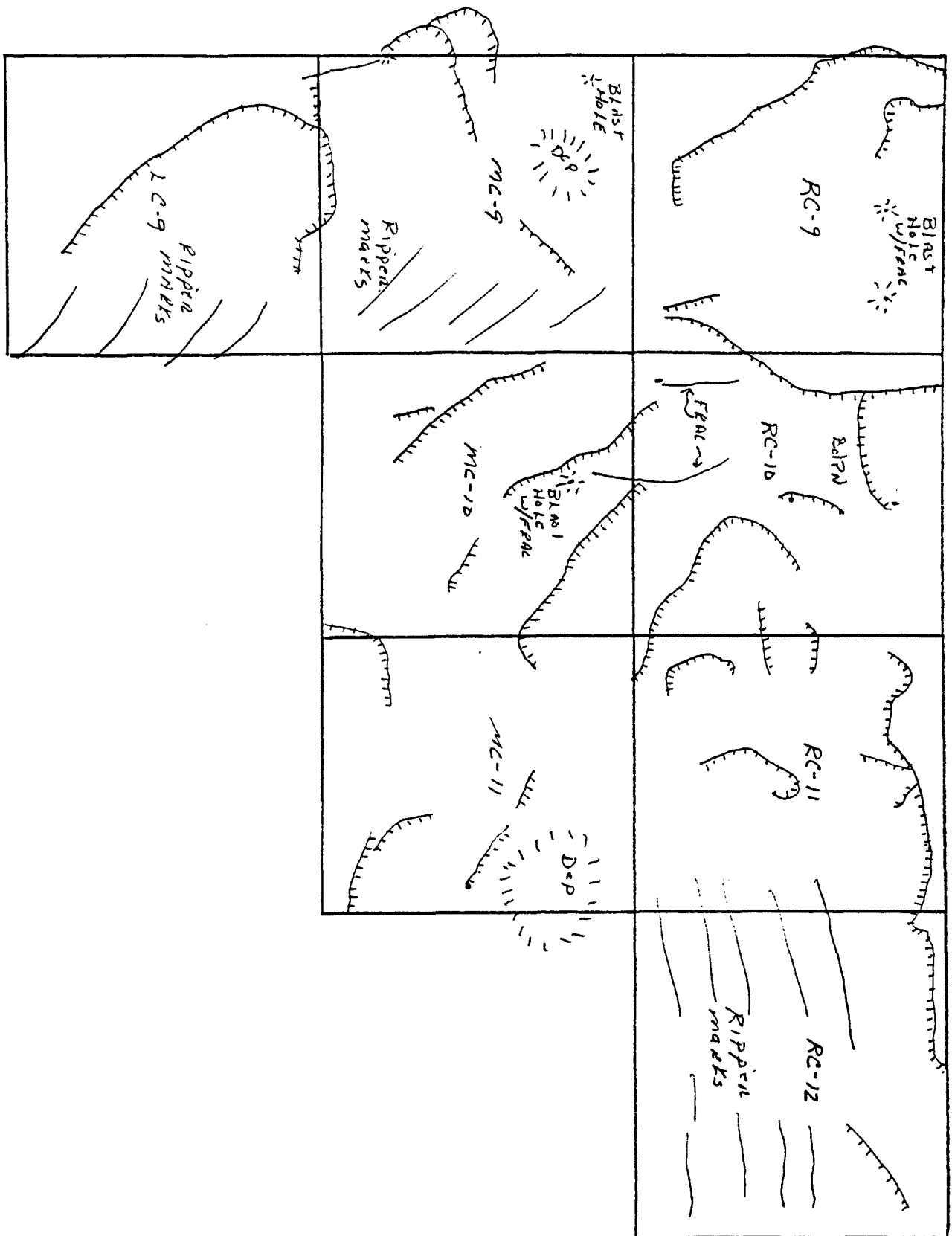
OUTLET BASIN



U.S. Army Corps of Engineers

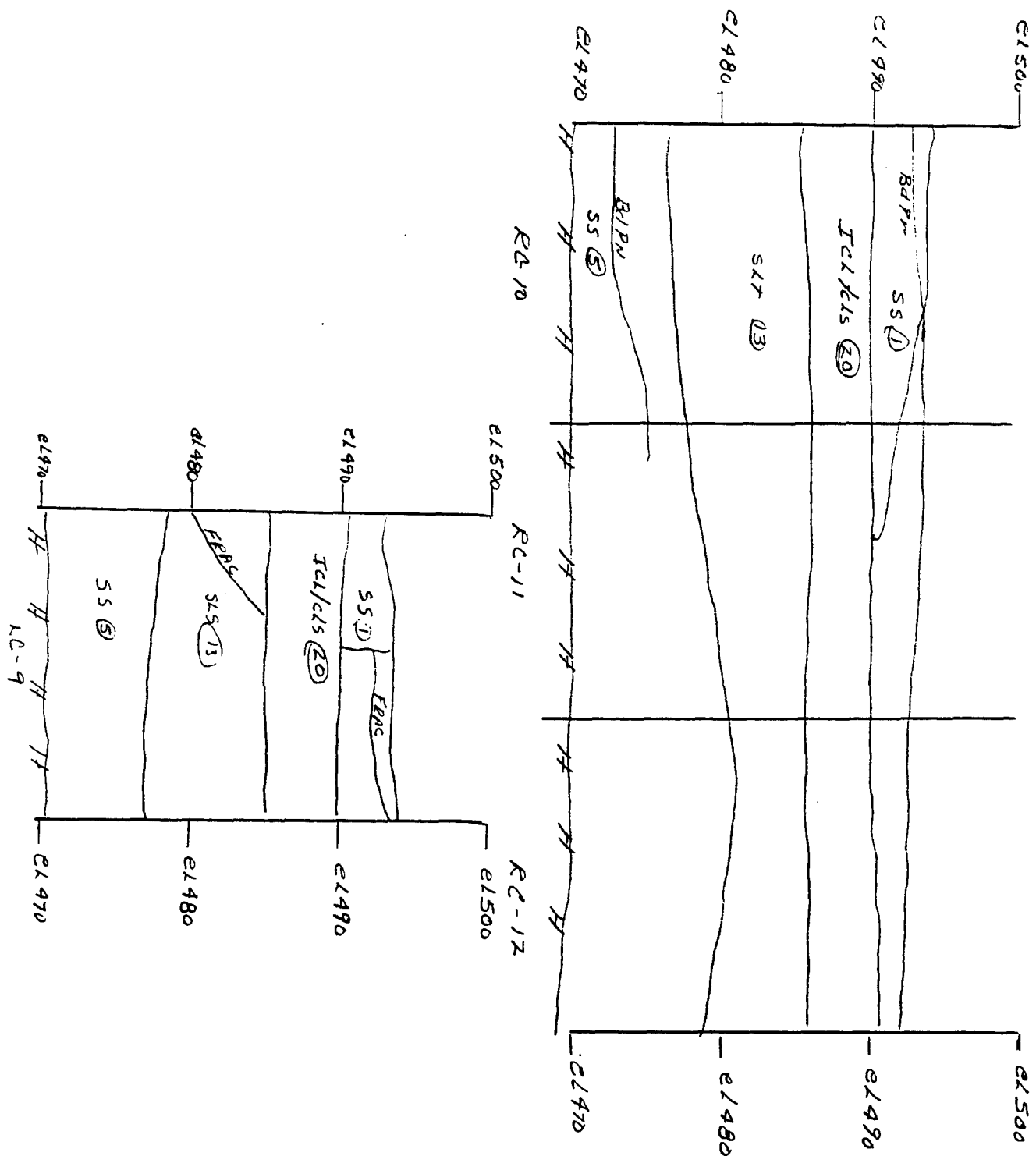
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Outlet Conduit





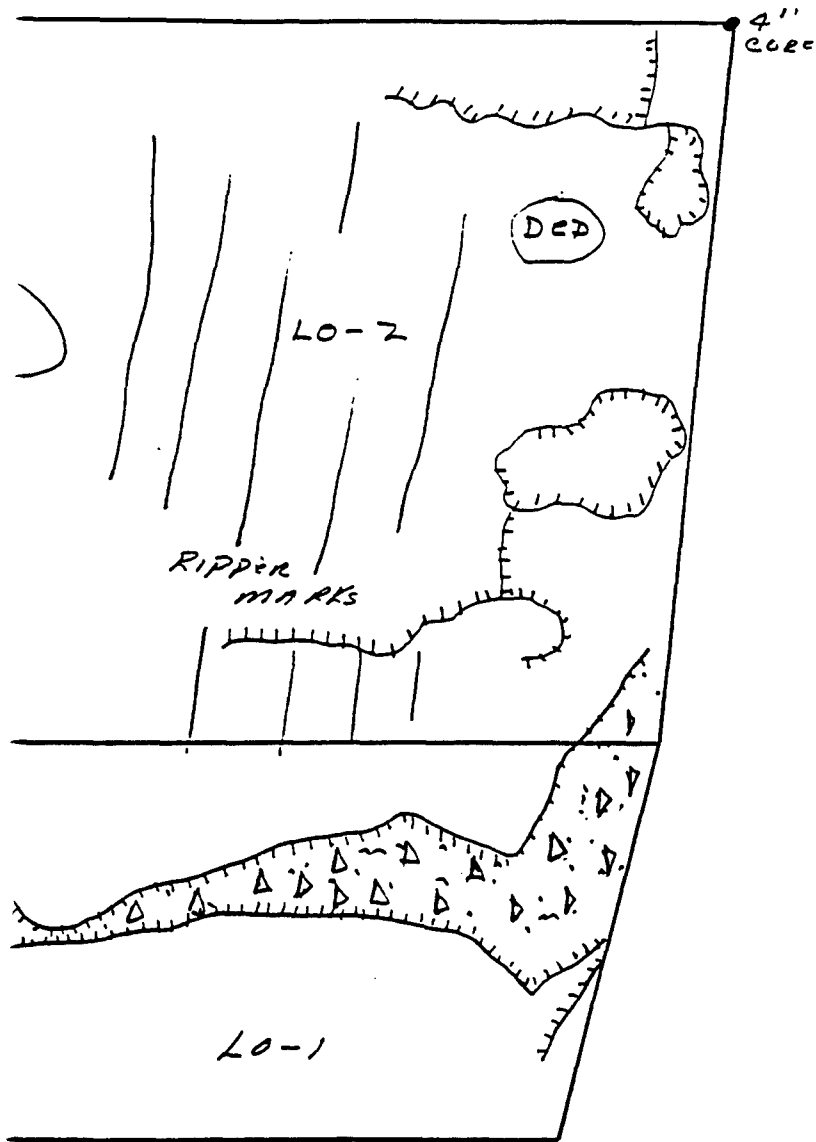
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Outlet Conduit



U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Outlet Conduit

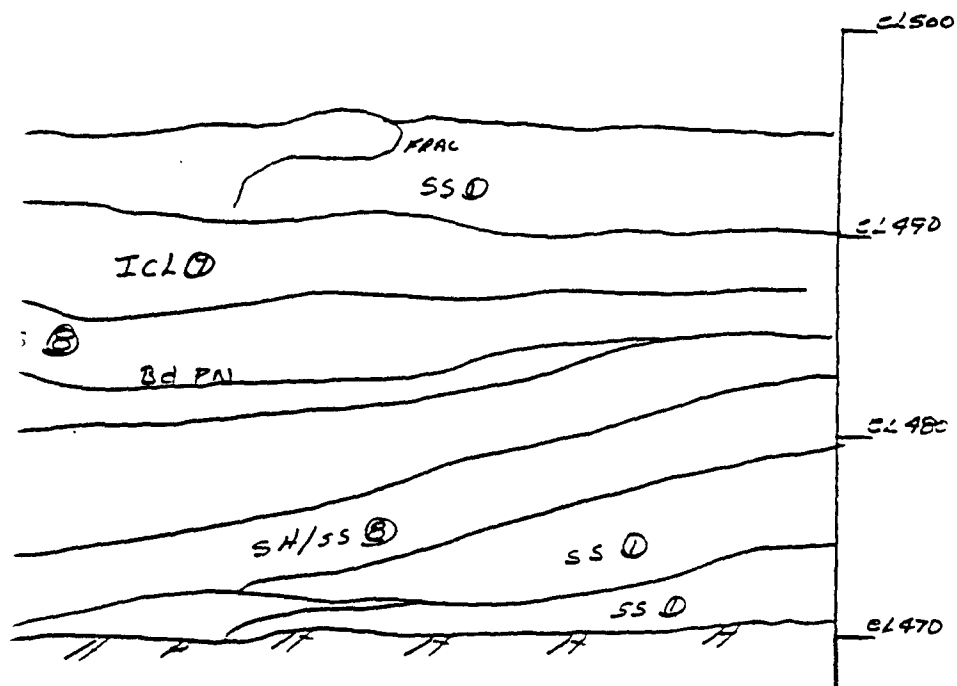


②

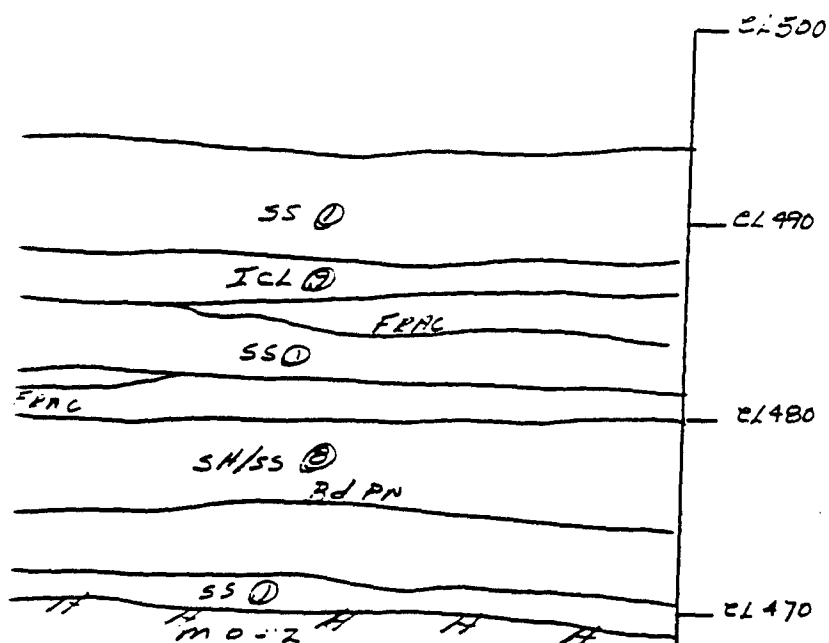
308

U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Outlet Conduit



EAST FACE

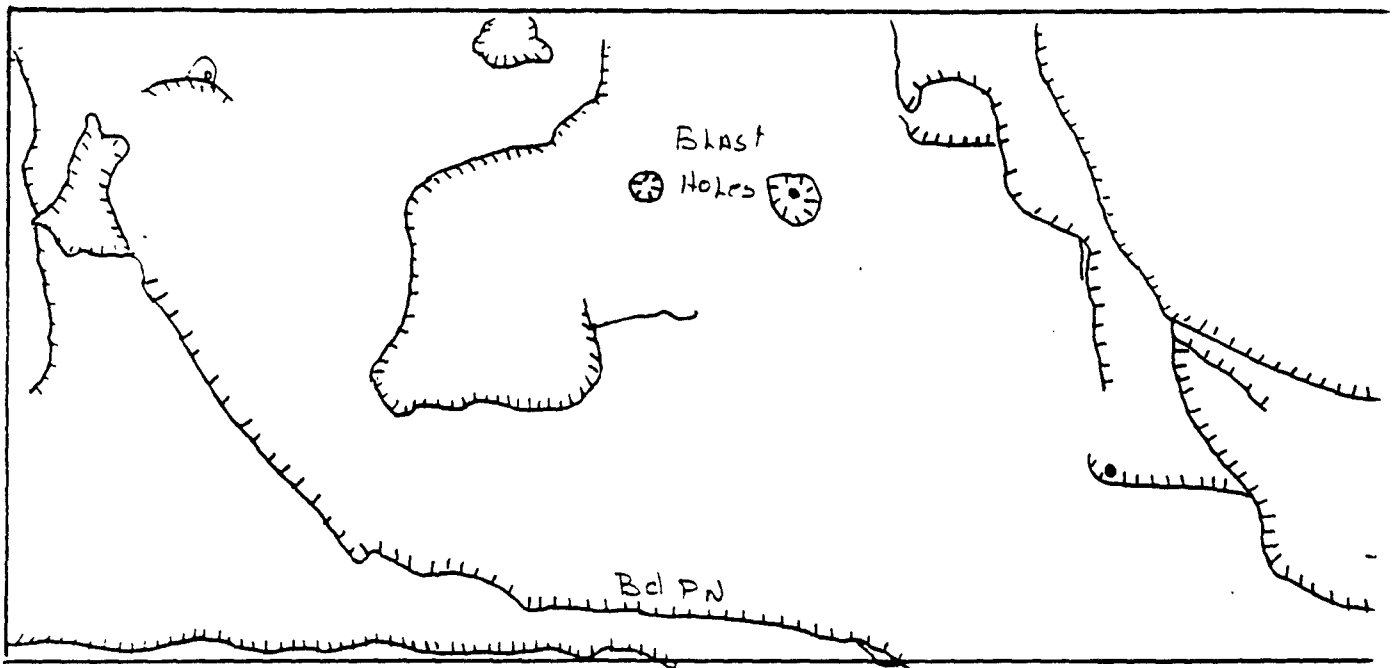
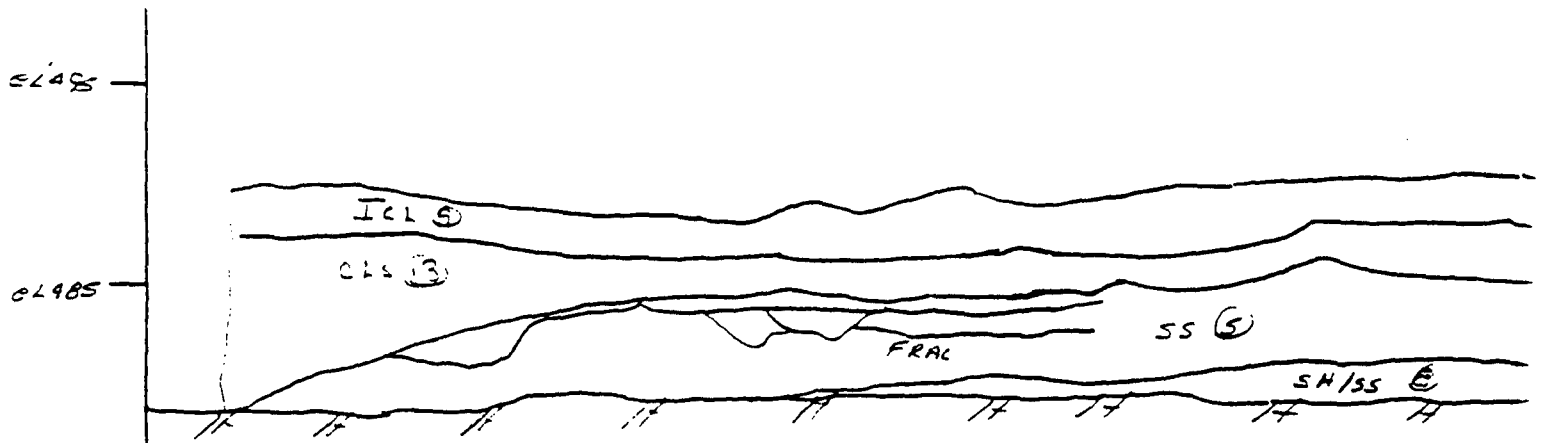


②

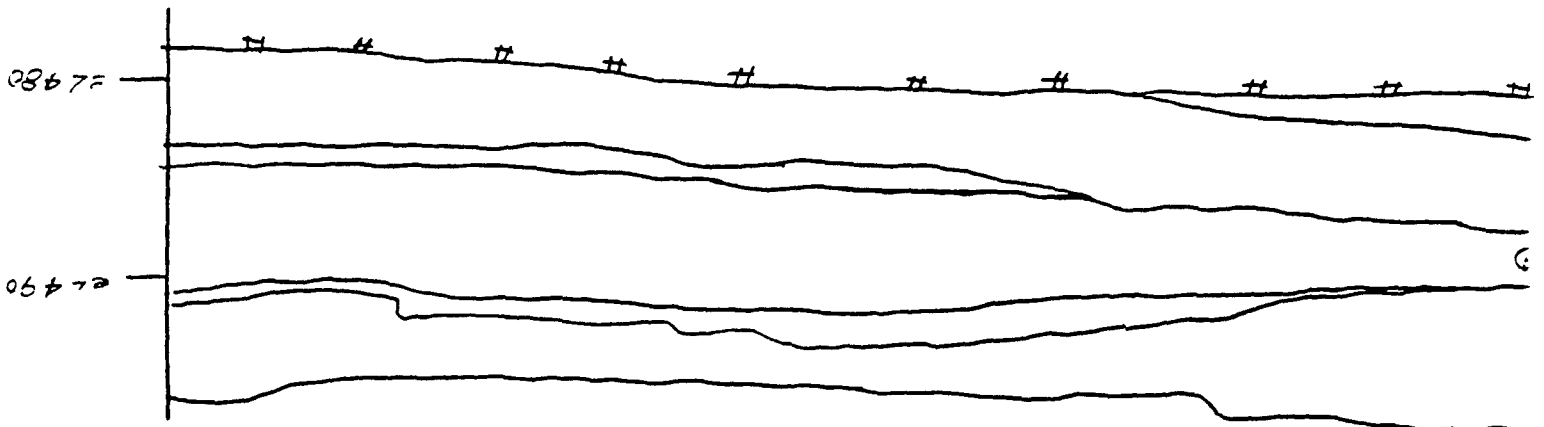
309

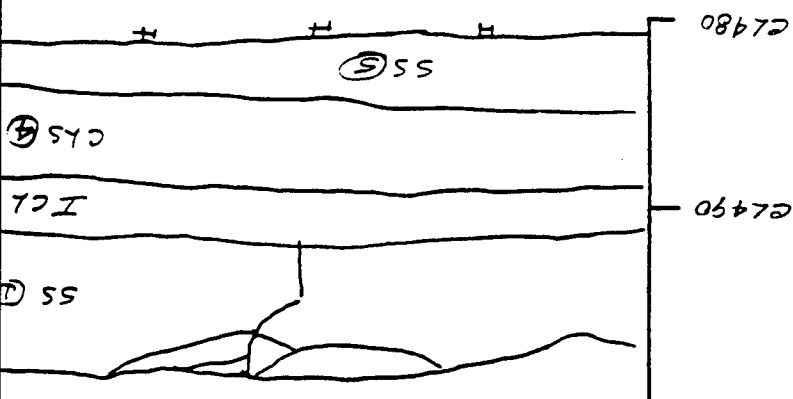
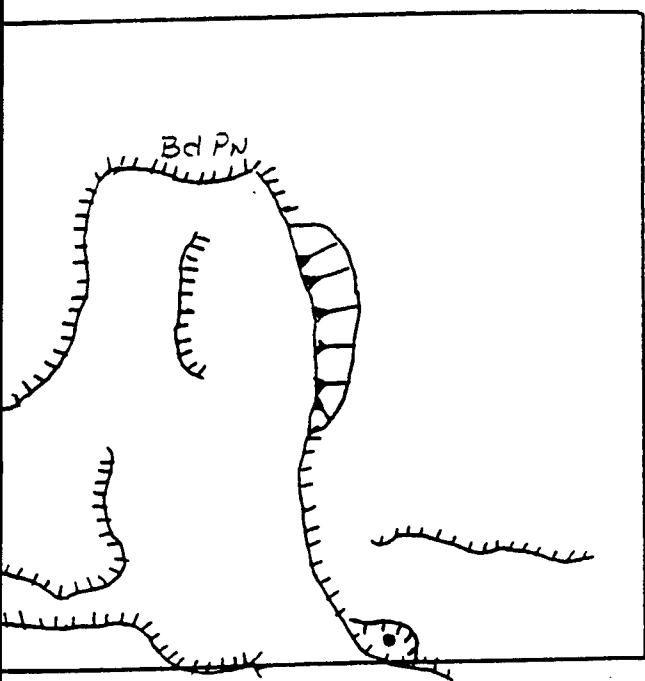
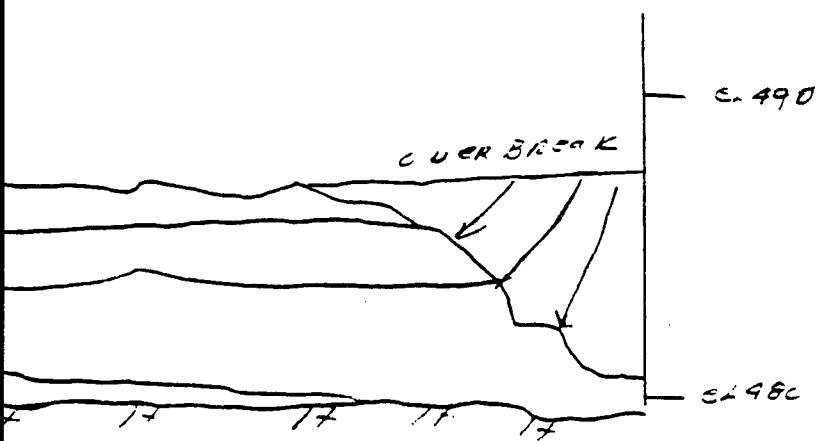
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Outlet Conduit



15 MAIN LOCK BULKHEAD SILL

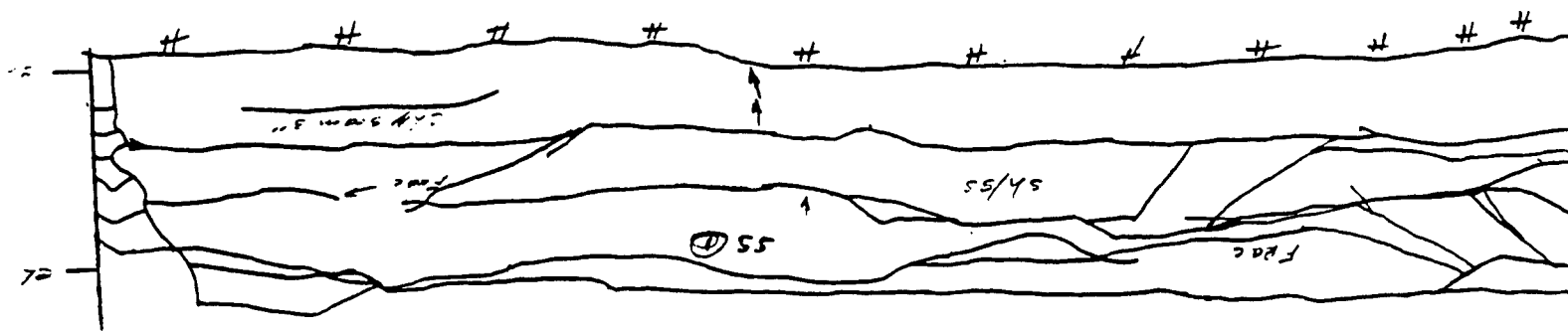
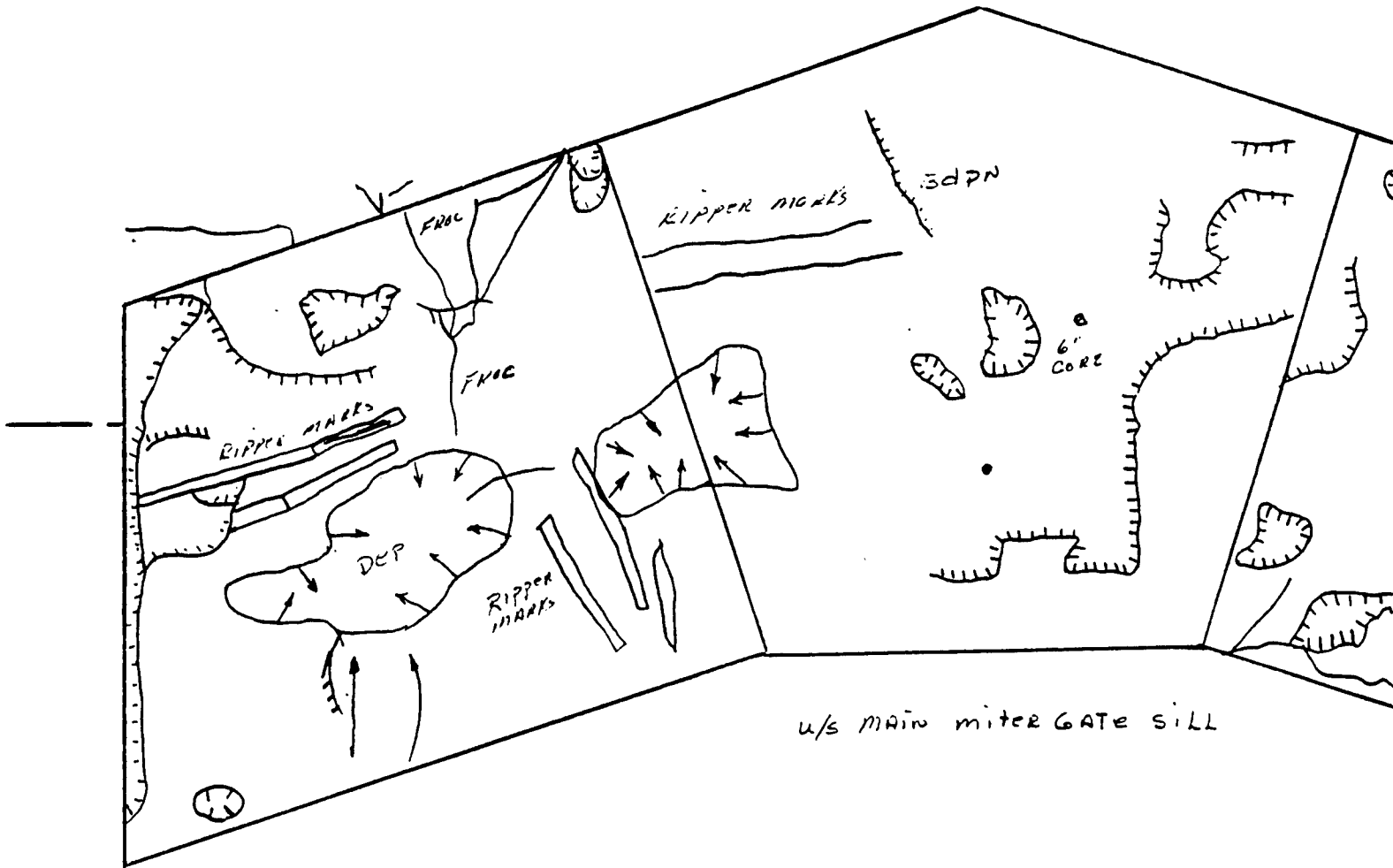
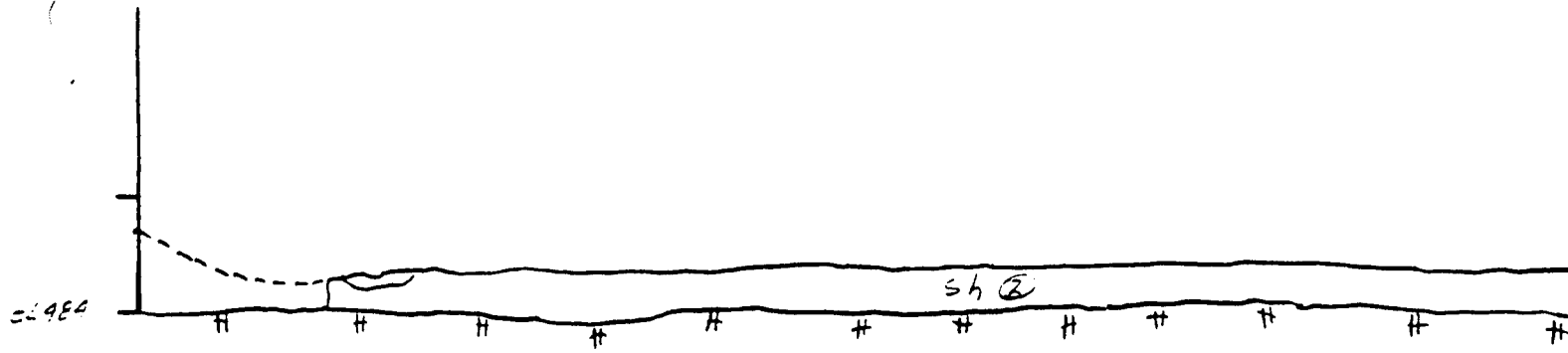


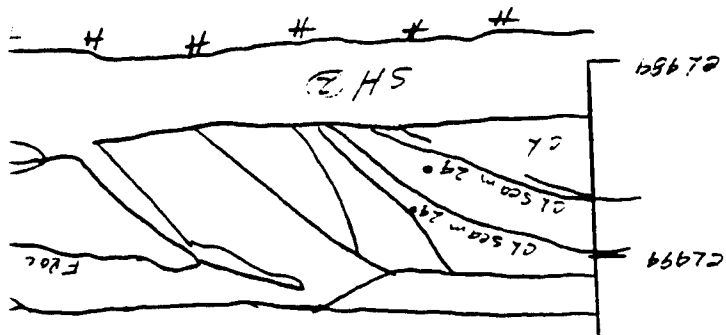
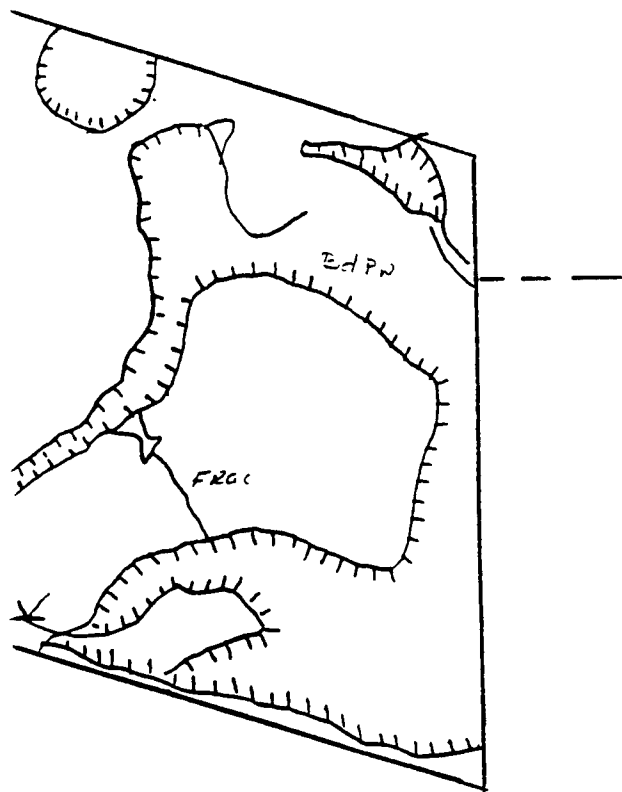
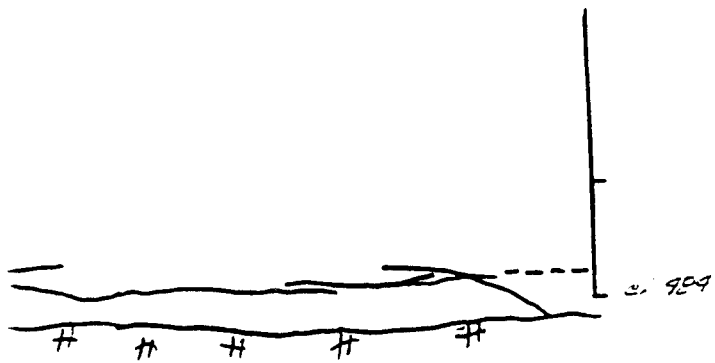


②

U.S. Army Corps of Engineer

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Main Lock Sill





②

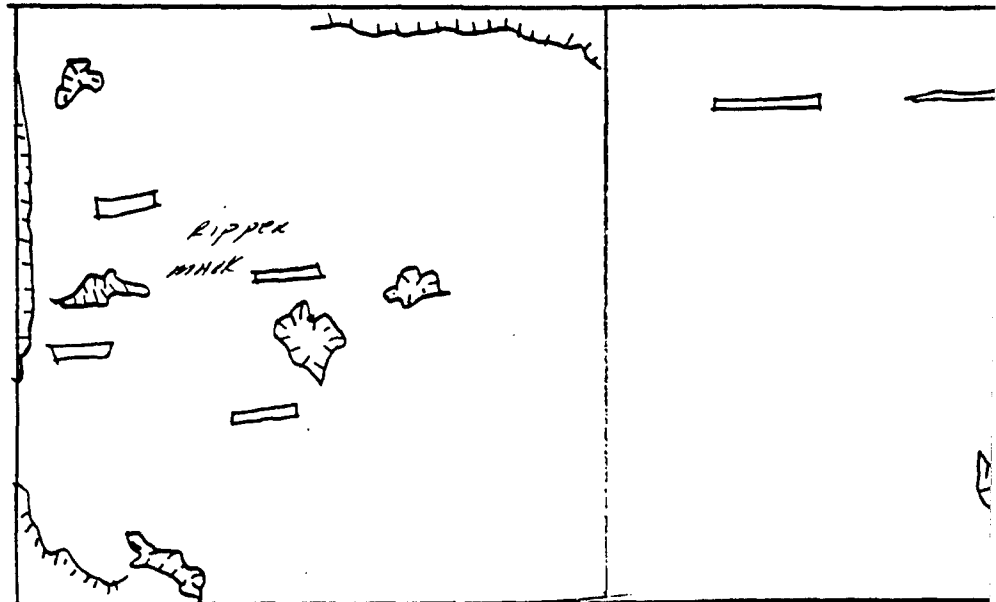
311

U.S. ARMY CORPS OF ENGINEERS

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Main Lock Sill

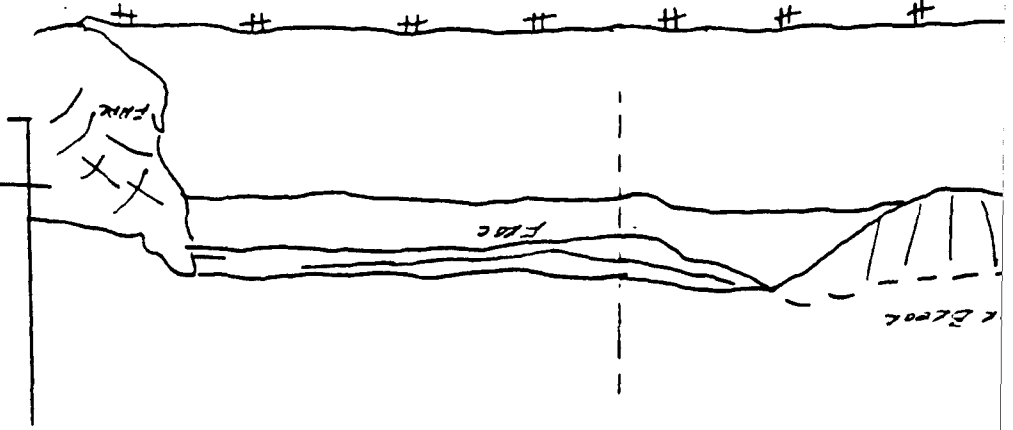
CL 480

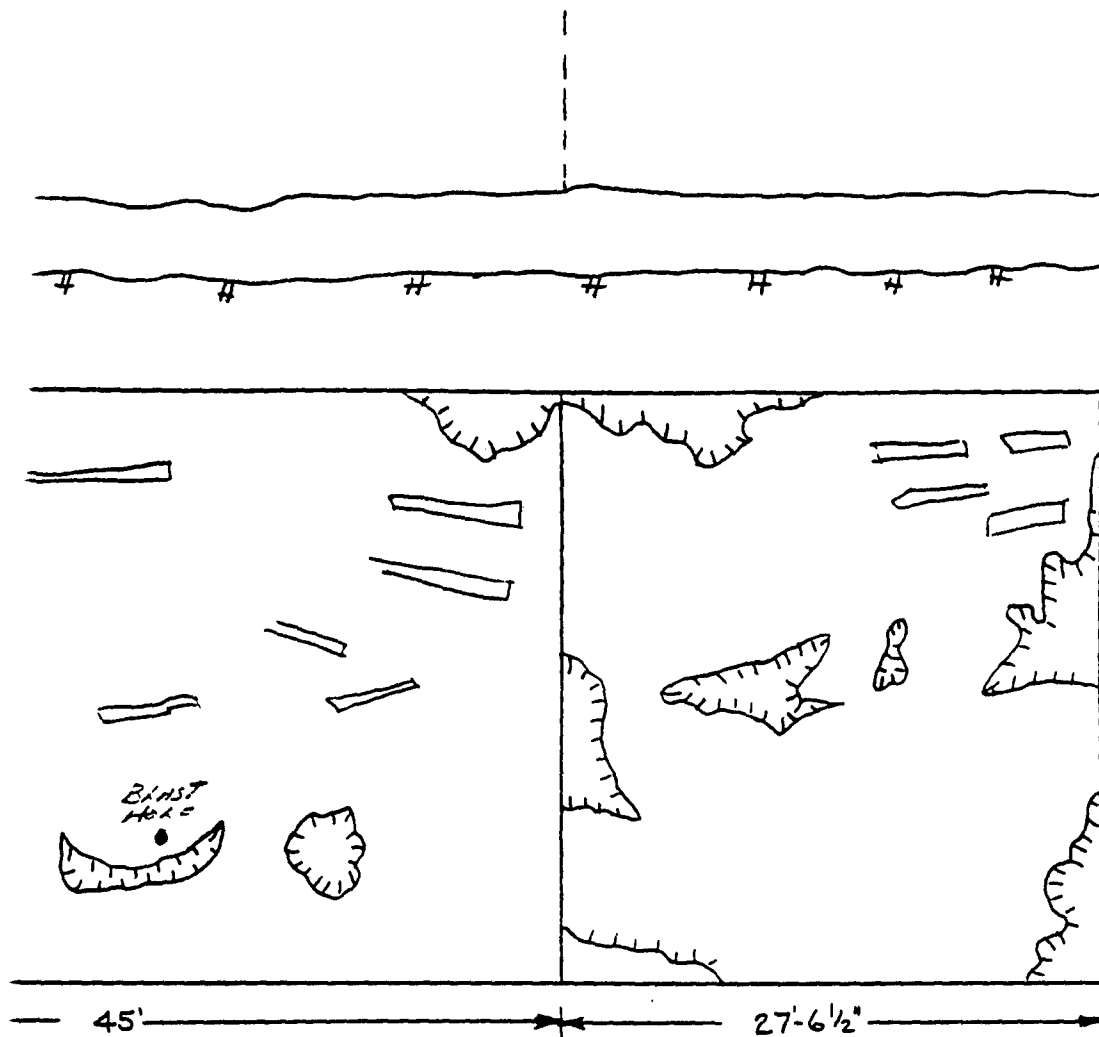
Sh E



D/S MAIN BRK

CL 480

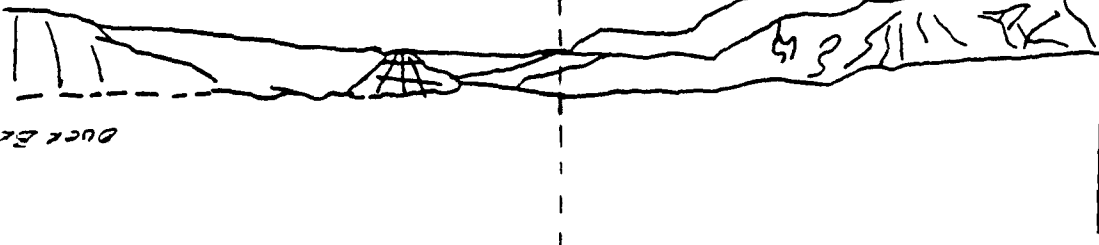




45' 27'-6 1/2"



45'



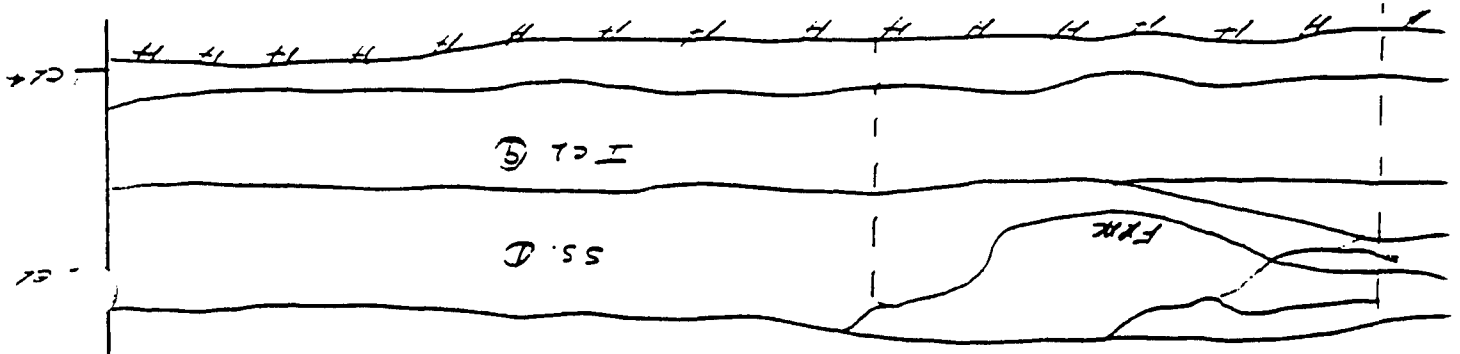
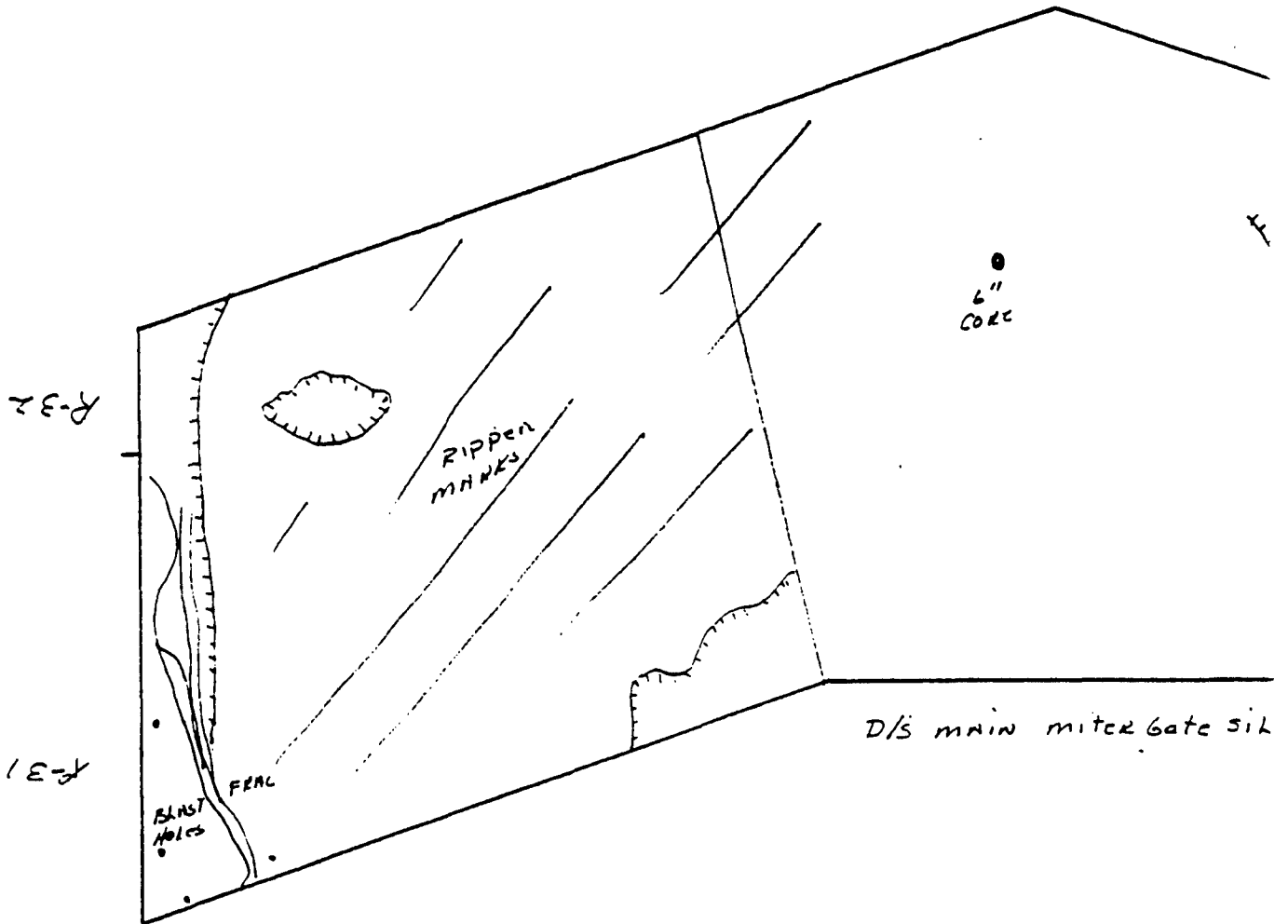
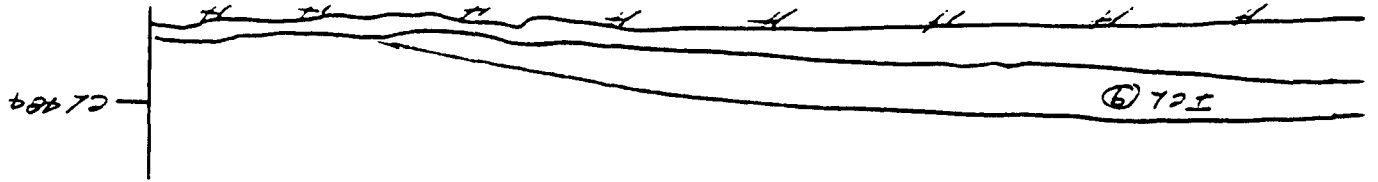
BLAST HOLE

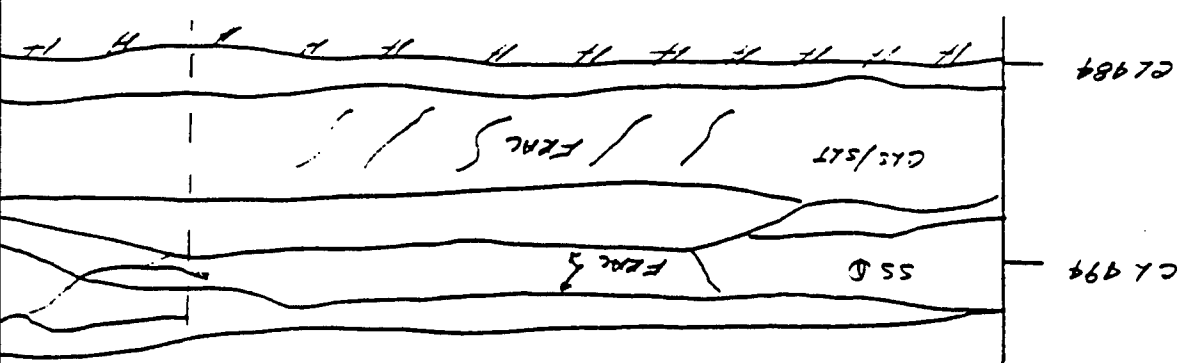
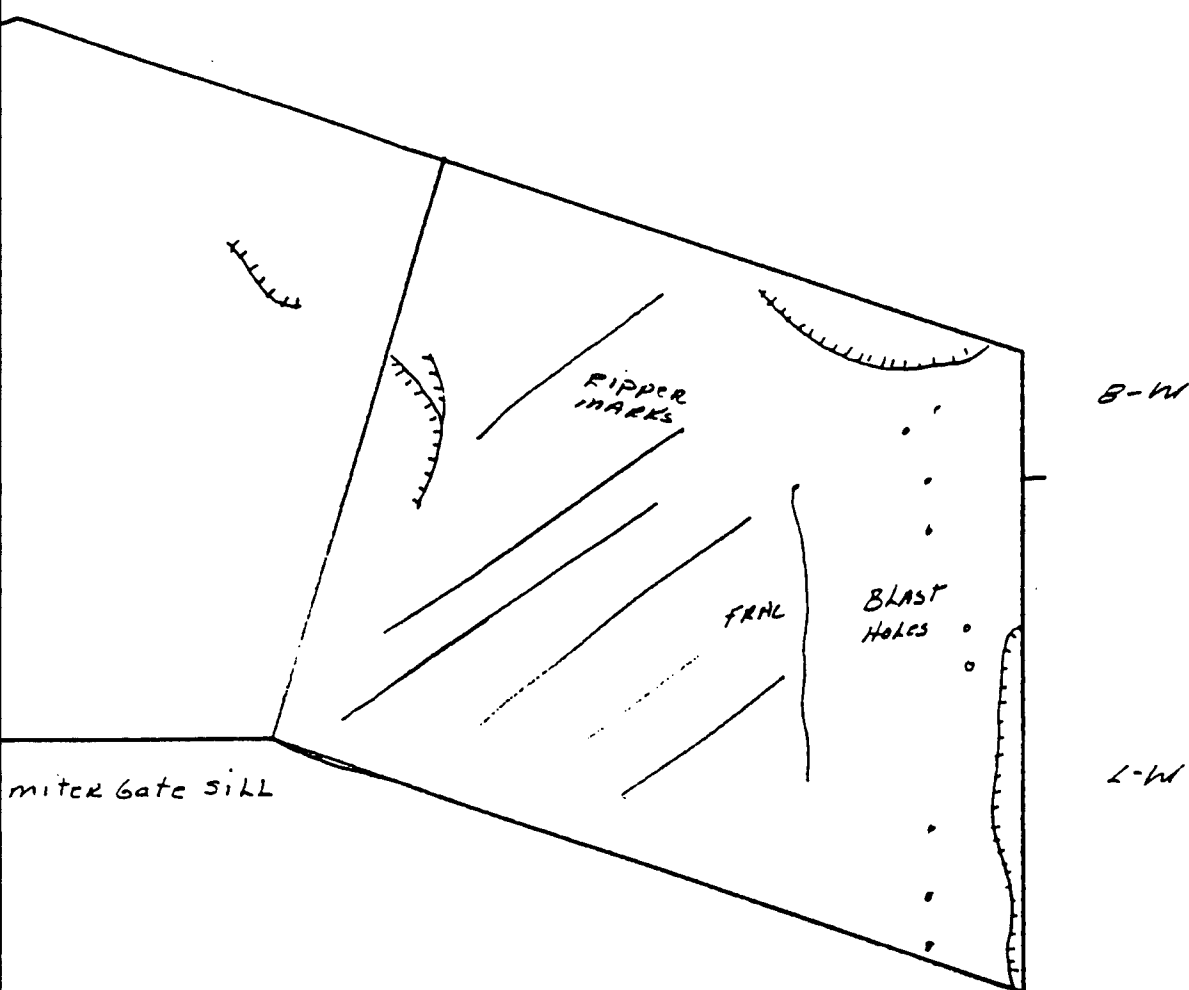
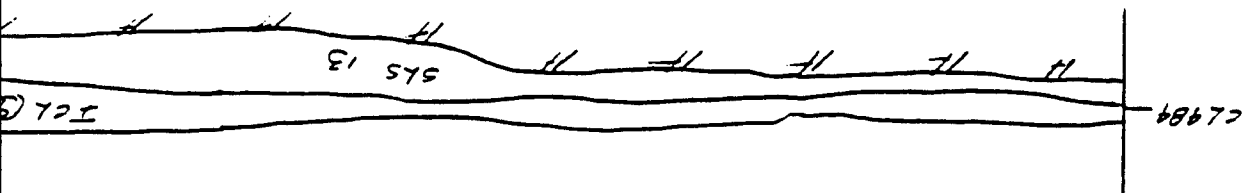
2

312

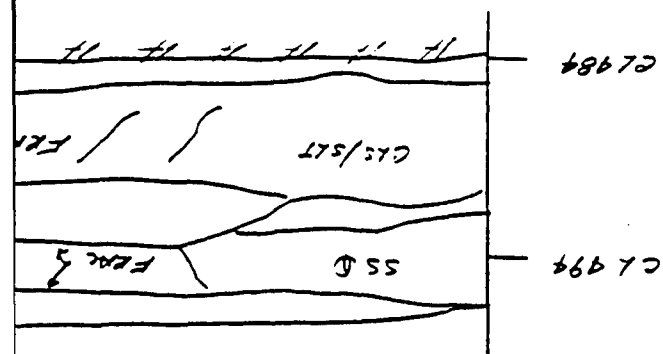
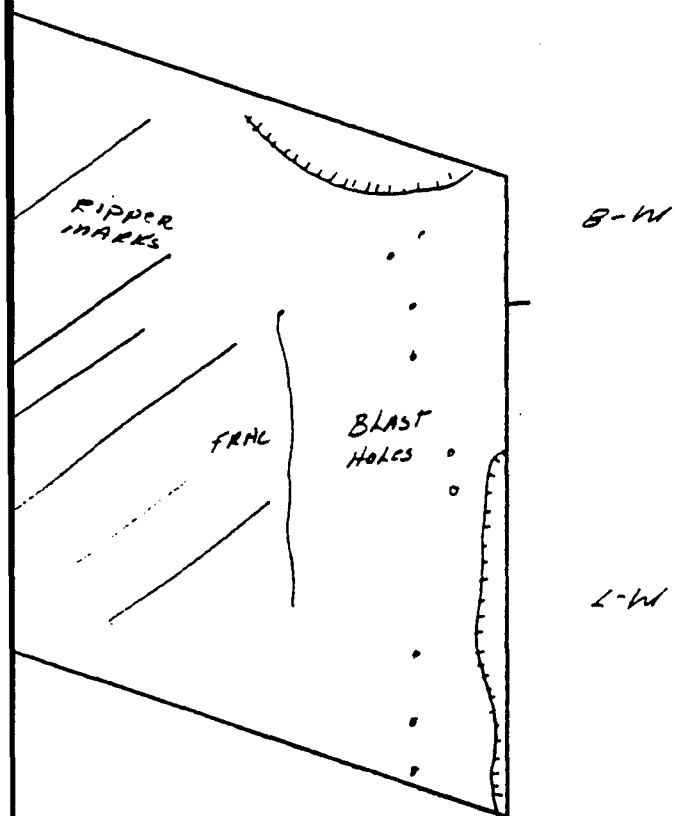
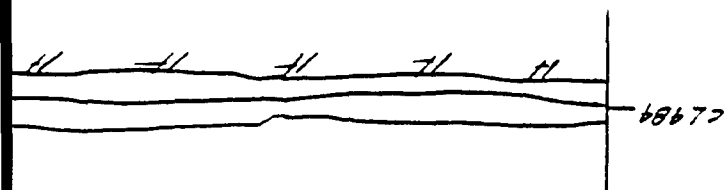
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Main Lock Sill





②



③

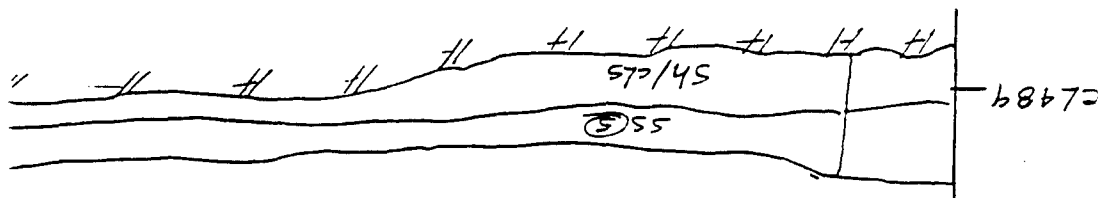
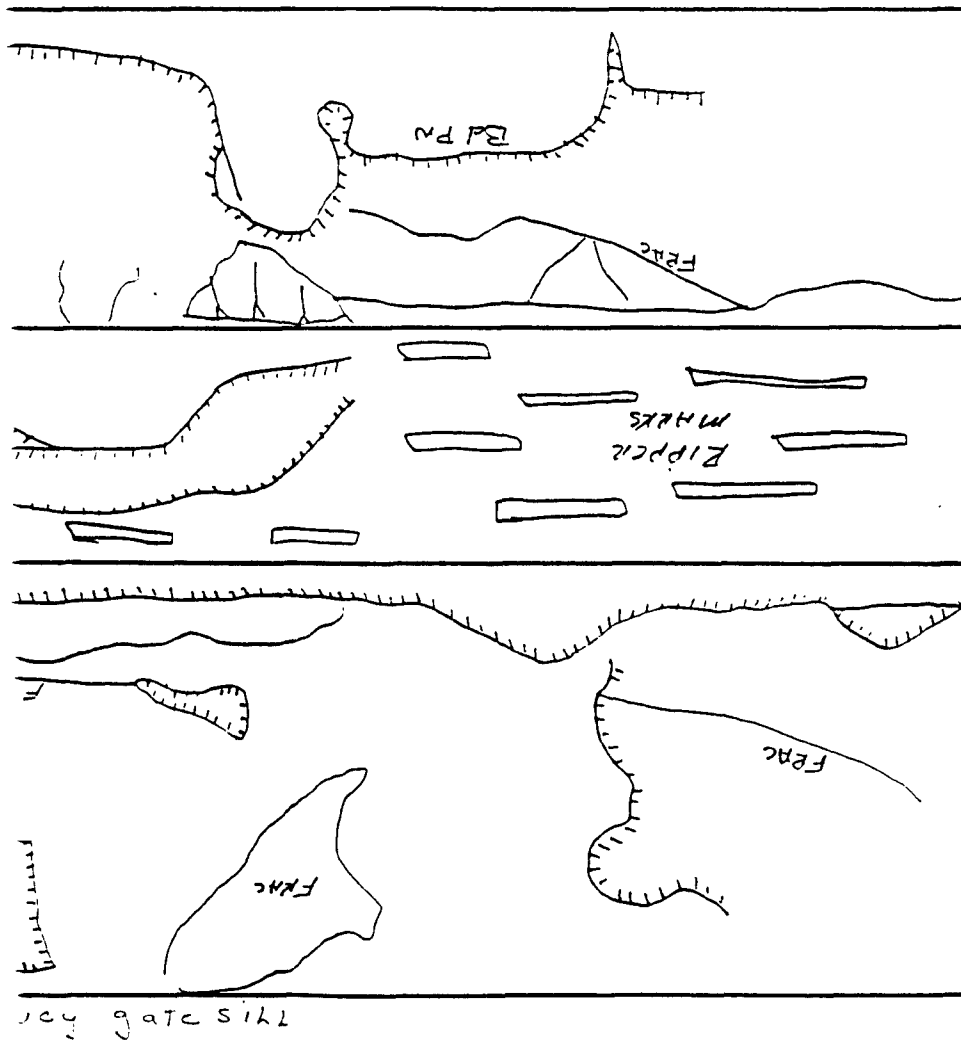
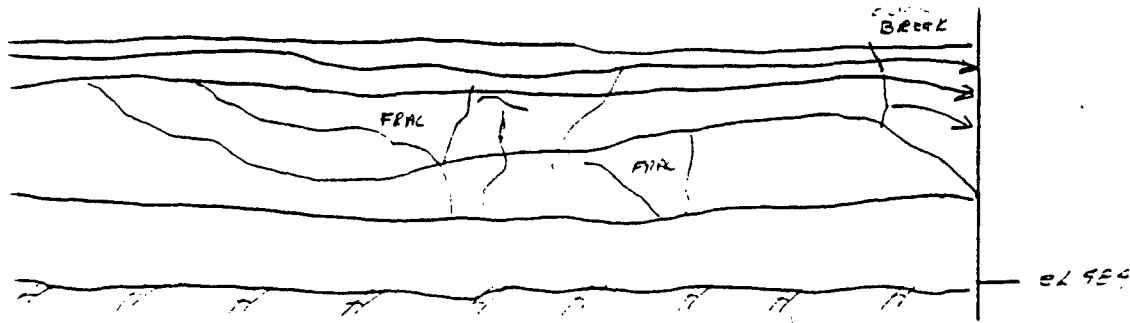
313

U. S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Main Lock Sill



①

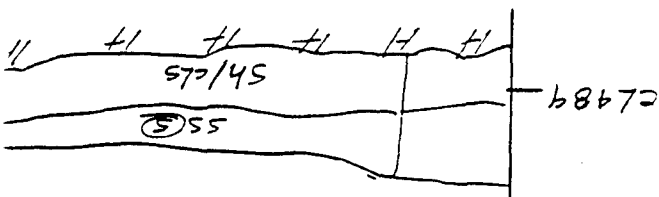
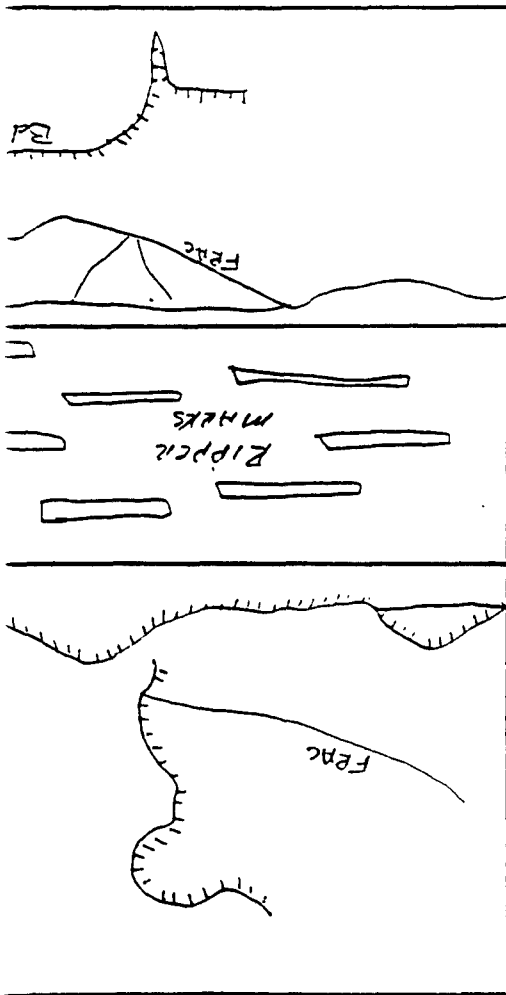
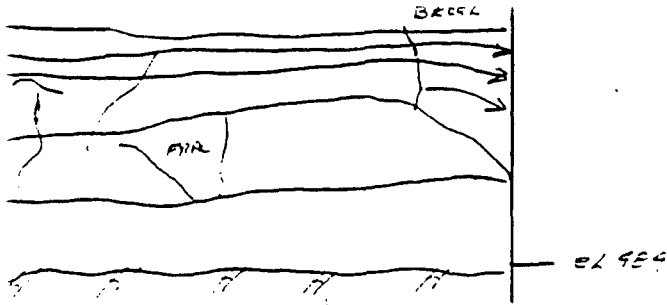


(2)

314

U.S. Army Corp

Gallipolis L
Lock in
Foundation
Main Lock

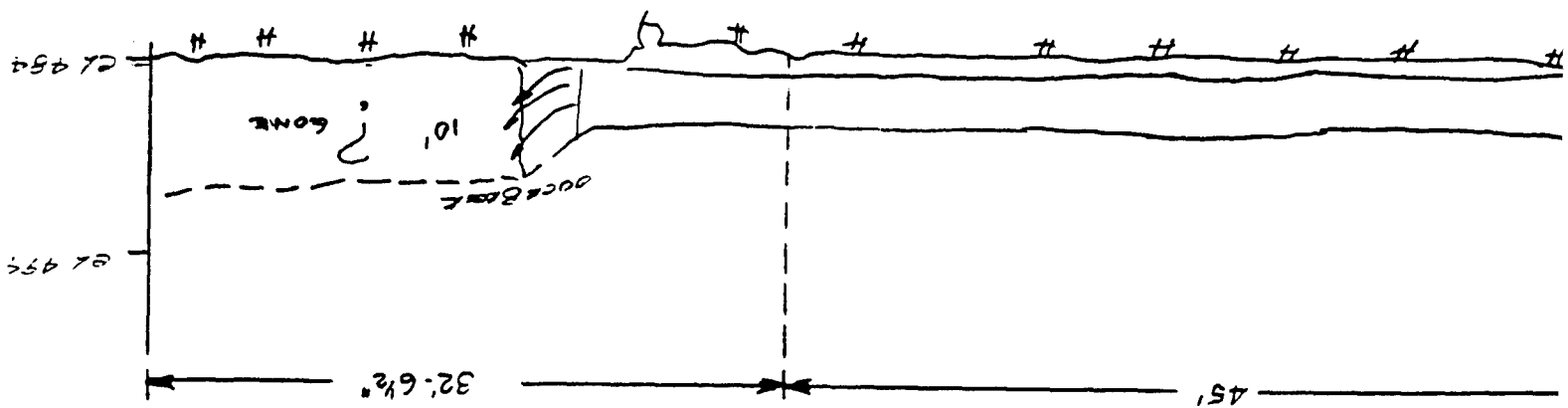
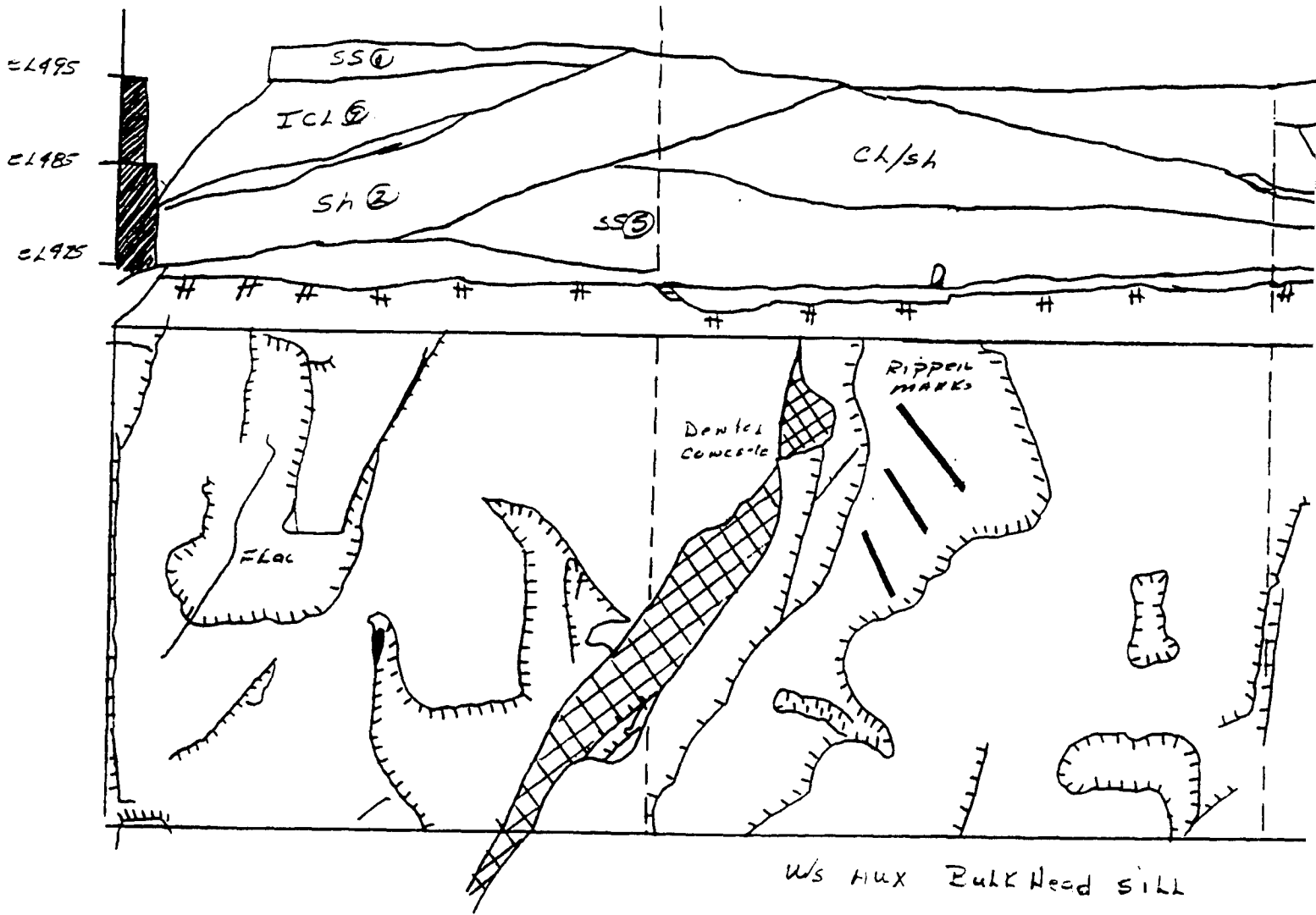


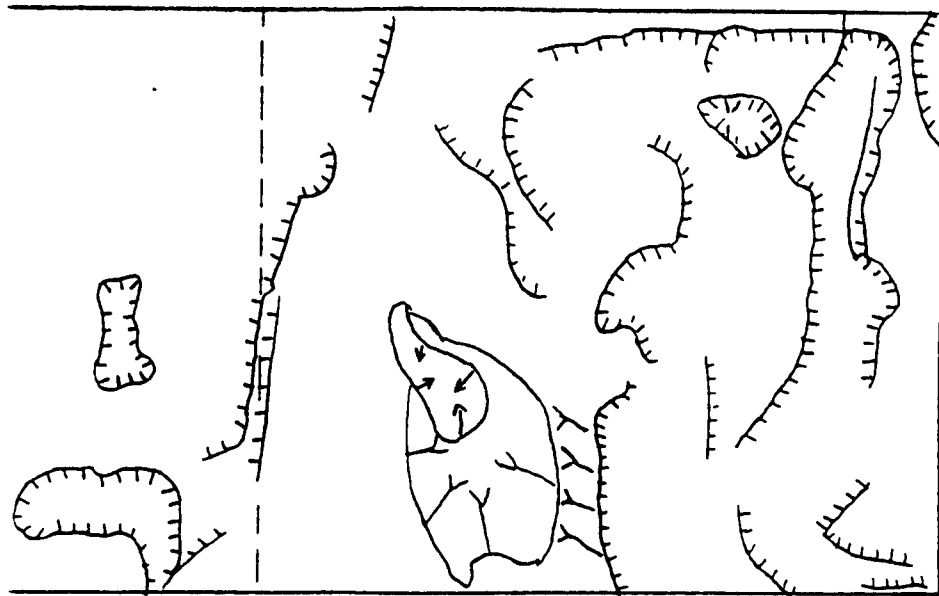
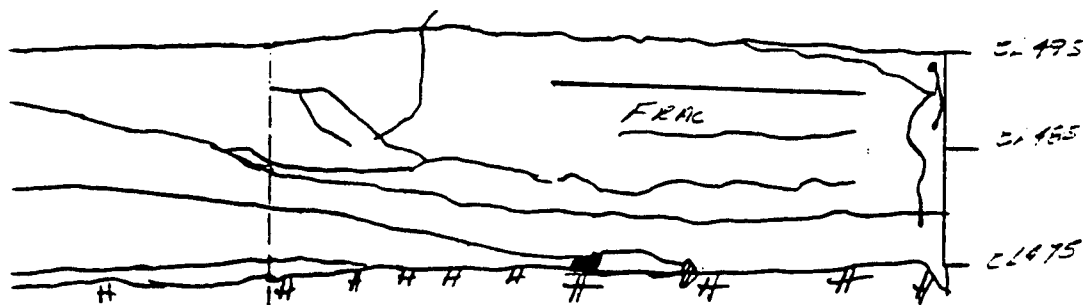
③

314

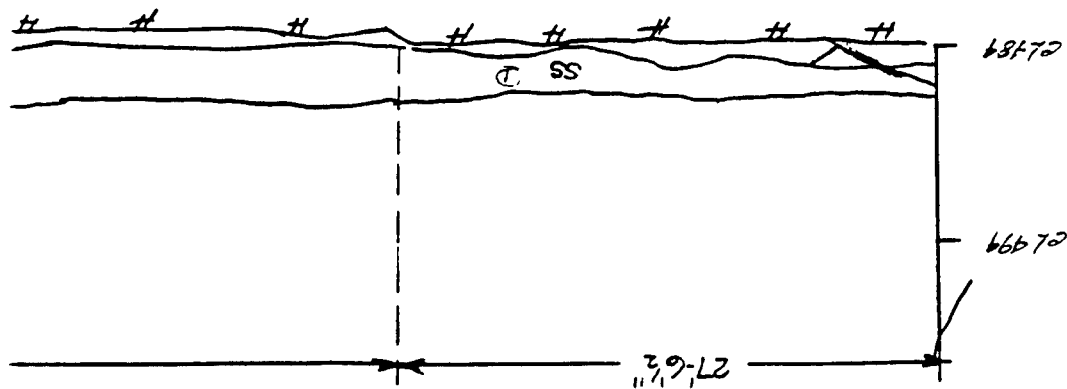
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Main Lock Sill





THIS IS

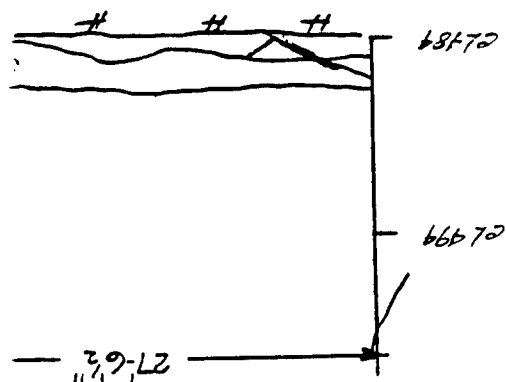
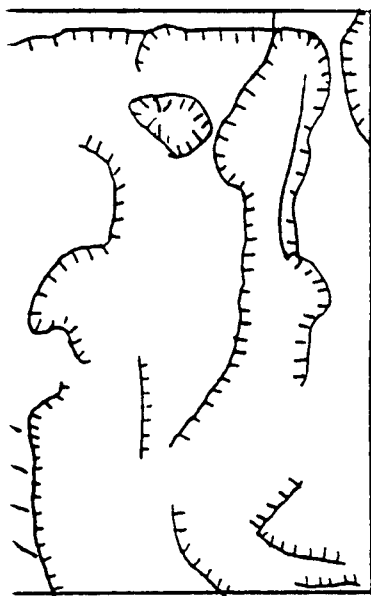
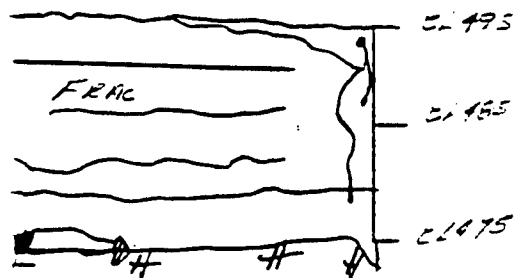


②

315

U.S. Army

Gallipoli
Lock
Foundati
Auxiliary

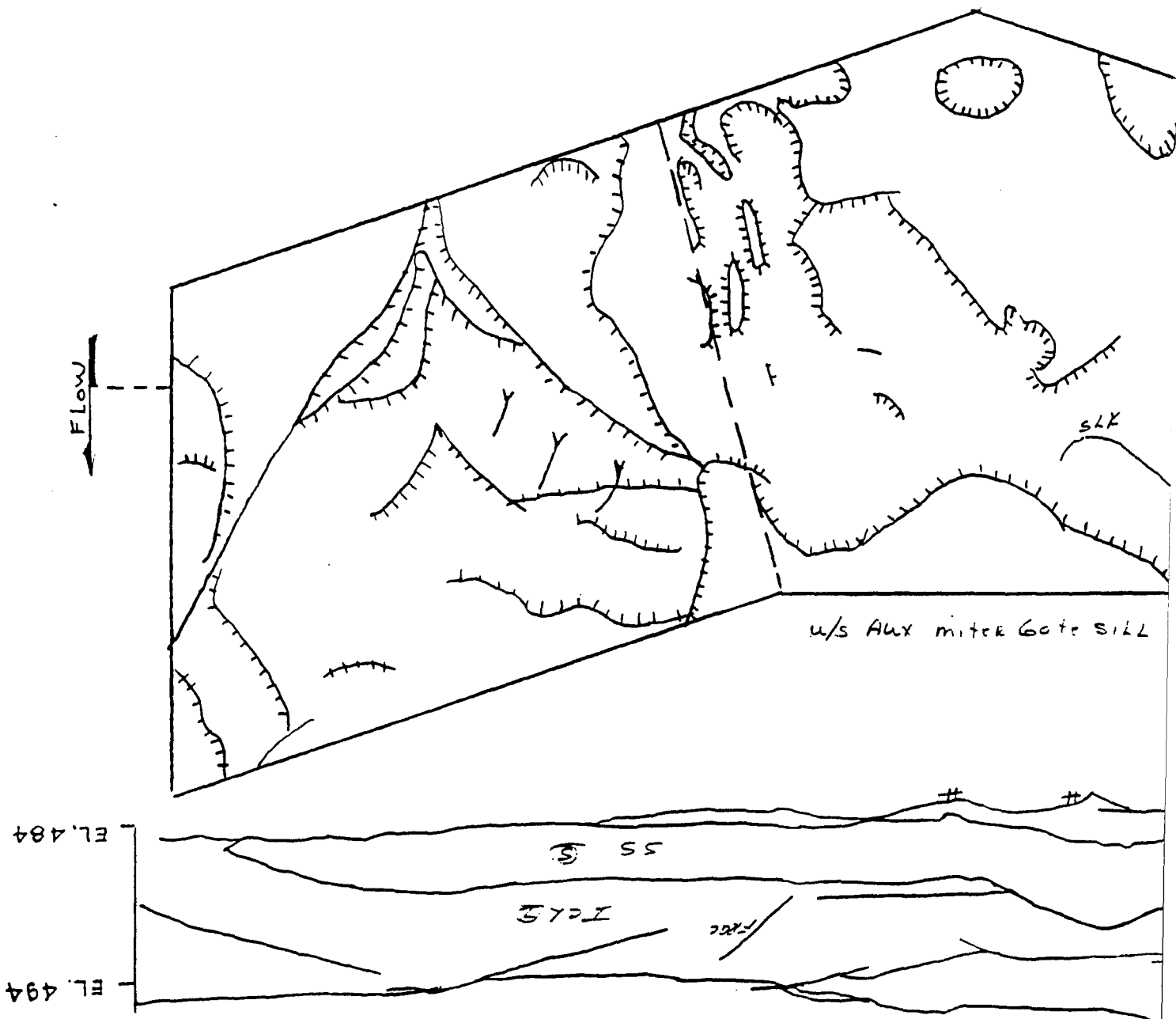


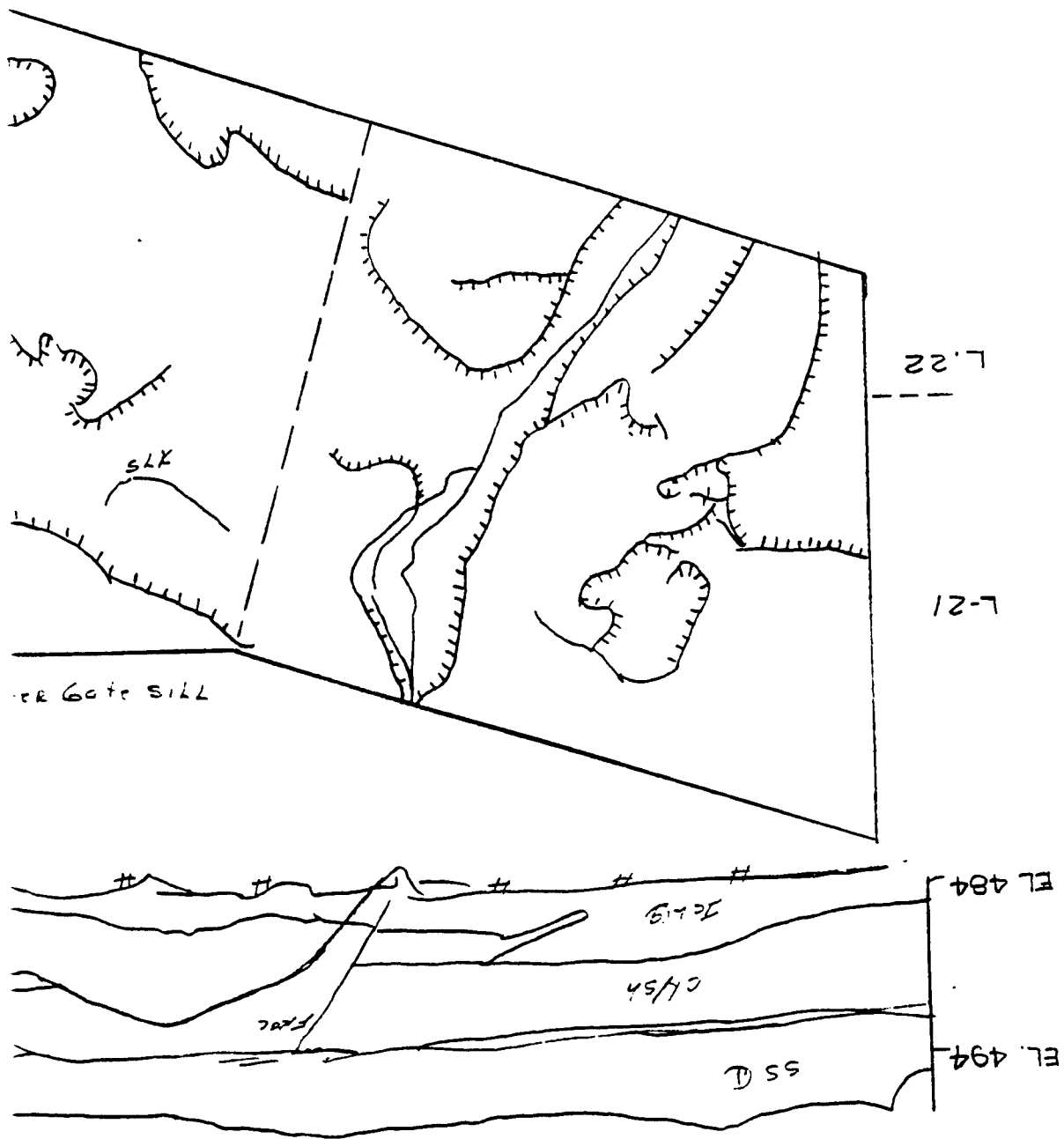
(5)

315

U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Auxiliary Lock Sill



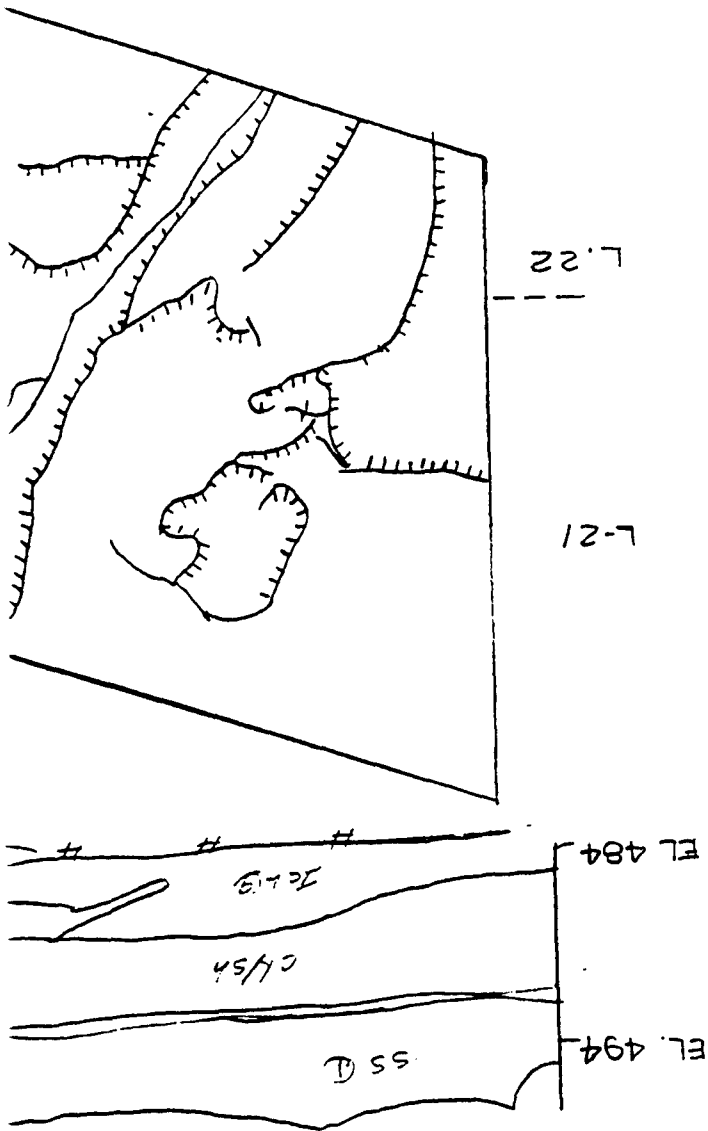


(2)

316

U.S. Army

Gallipoli
Loc
Foundat
Auxiliar

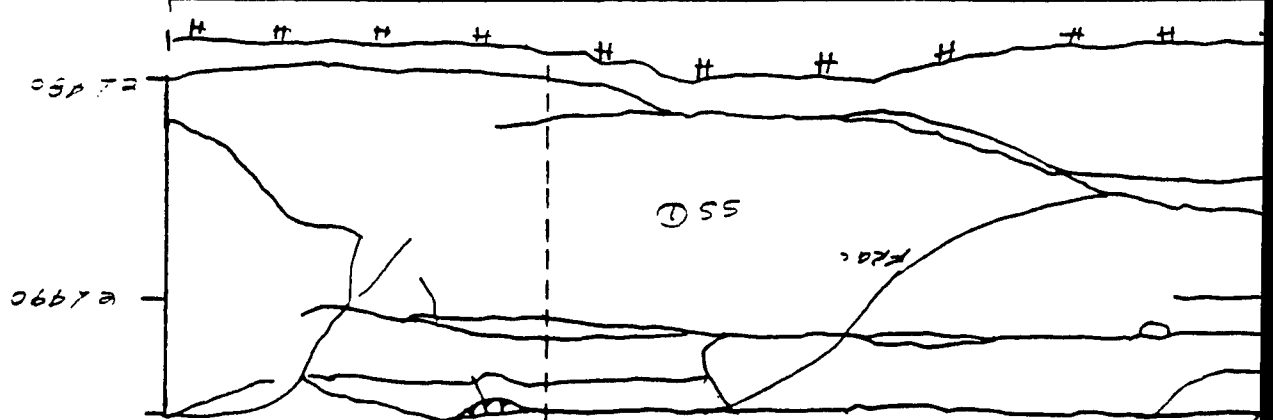
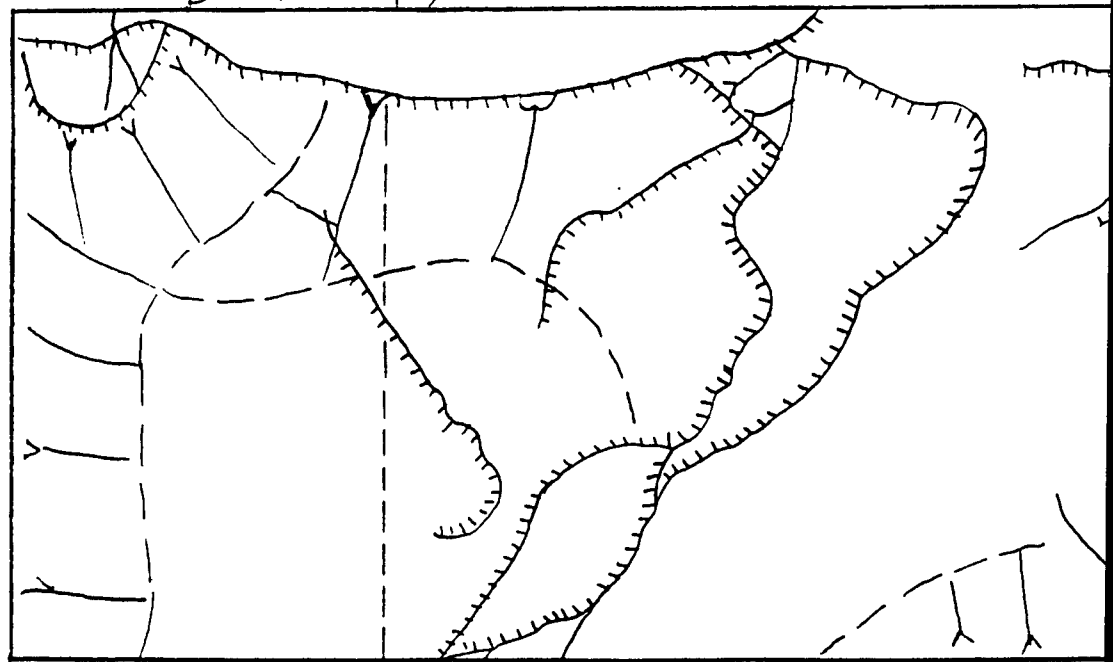
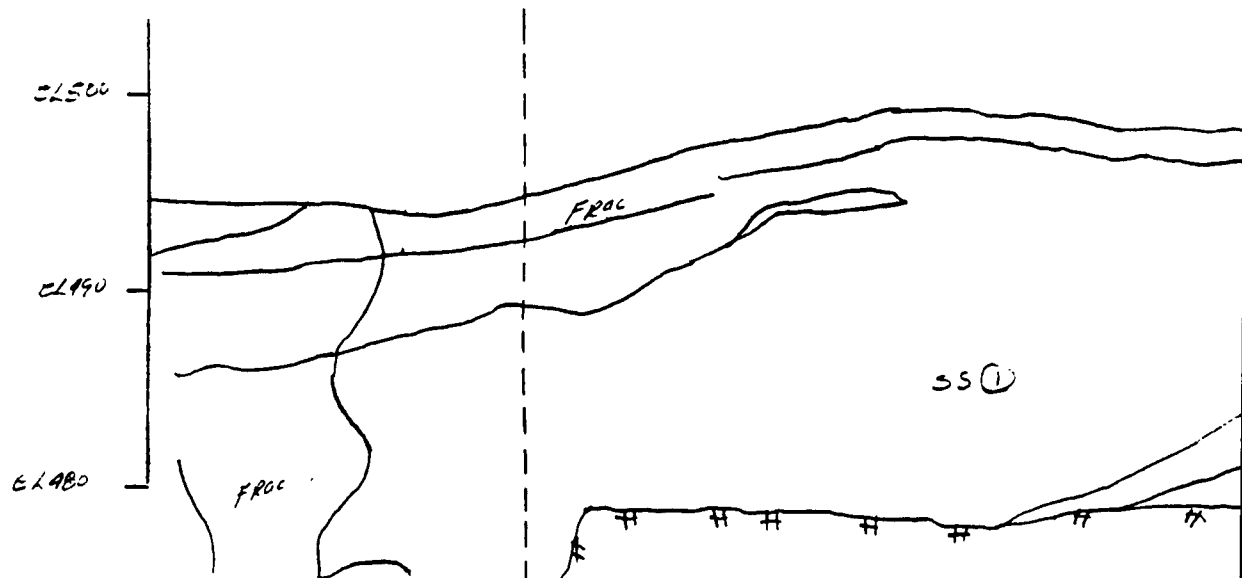


③

316

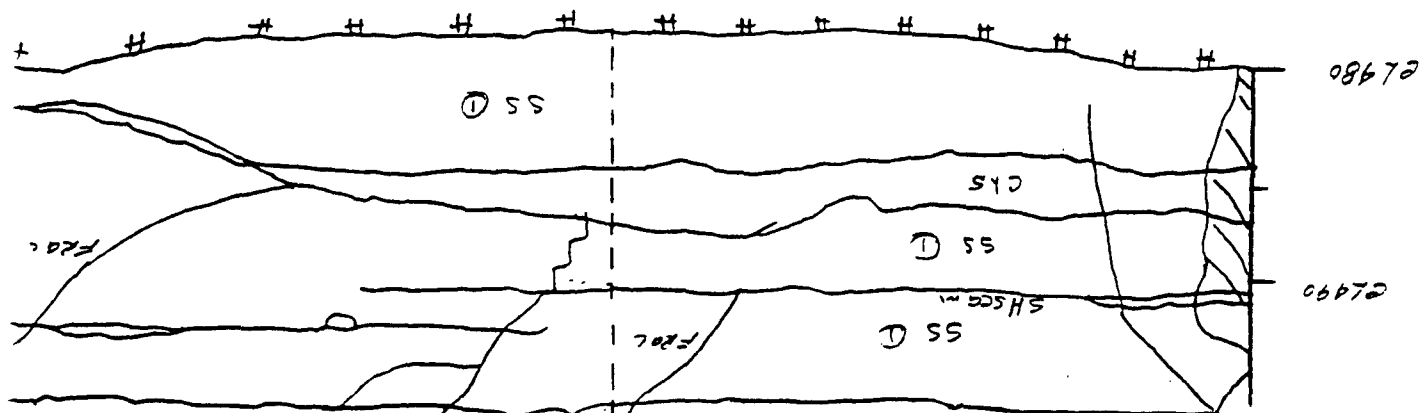
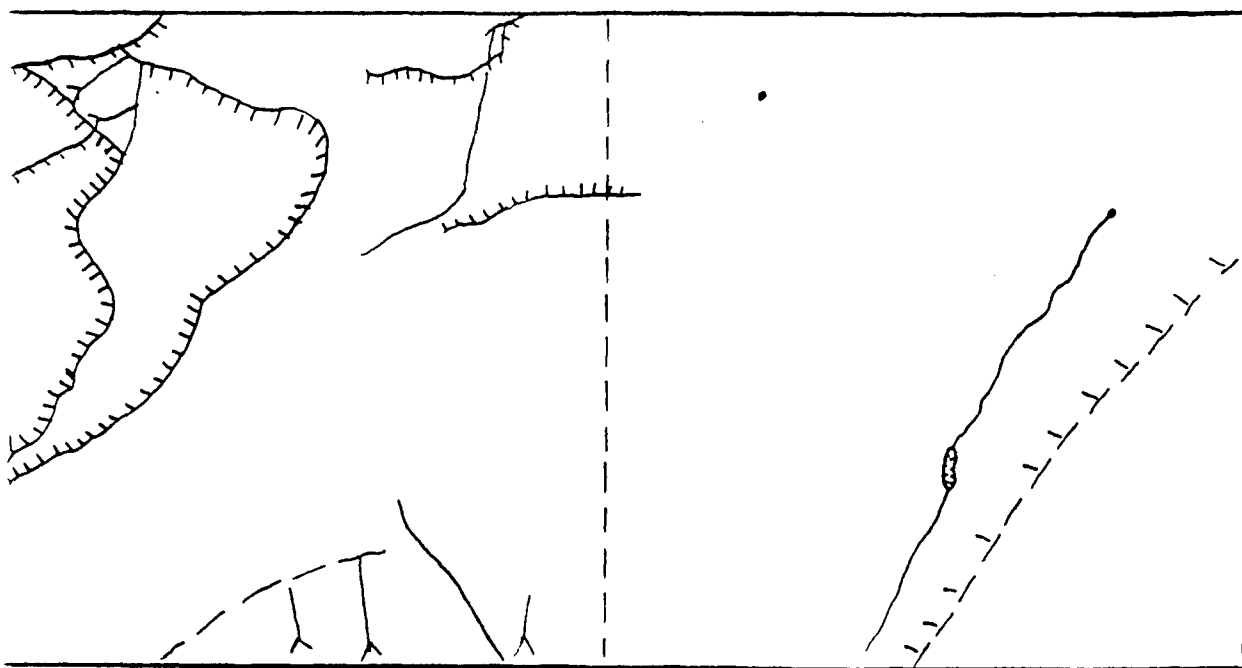
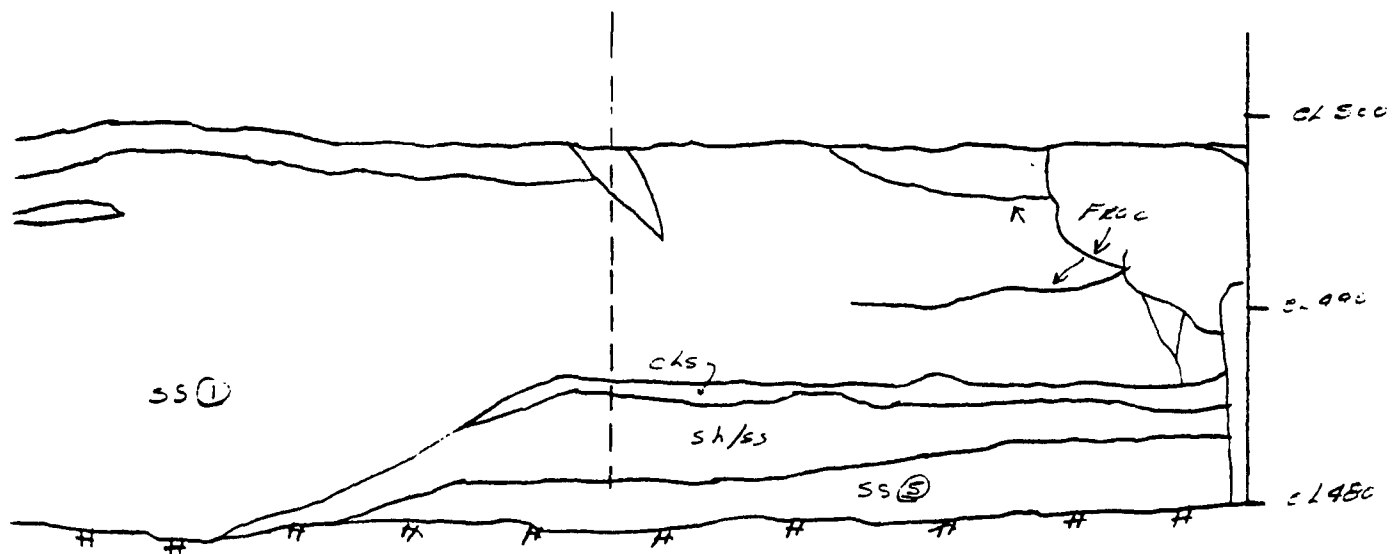
U. S. ARMY CORPS OF ENGINEERS

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Auxiliary Lock Sill



D/S Aux Bulkhead

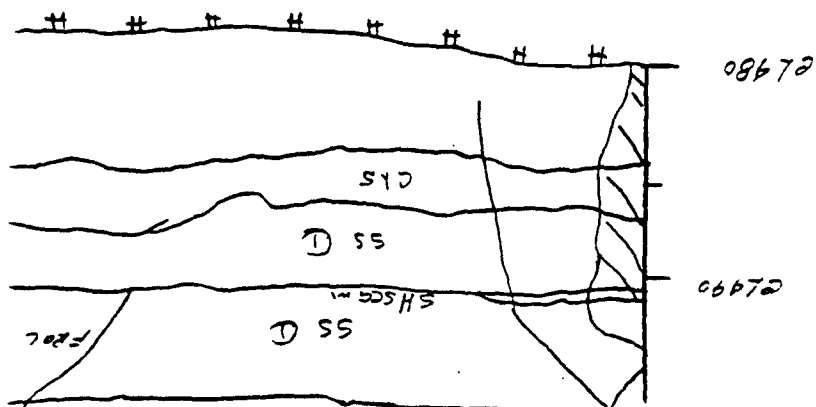
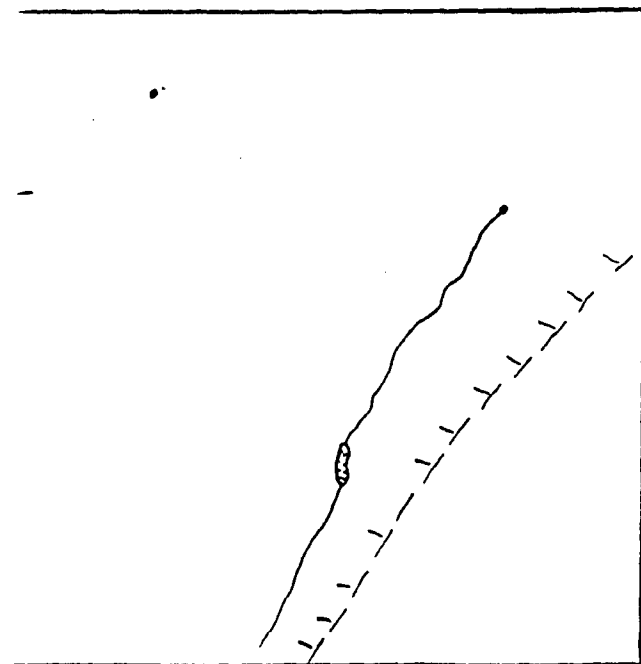
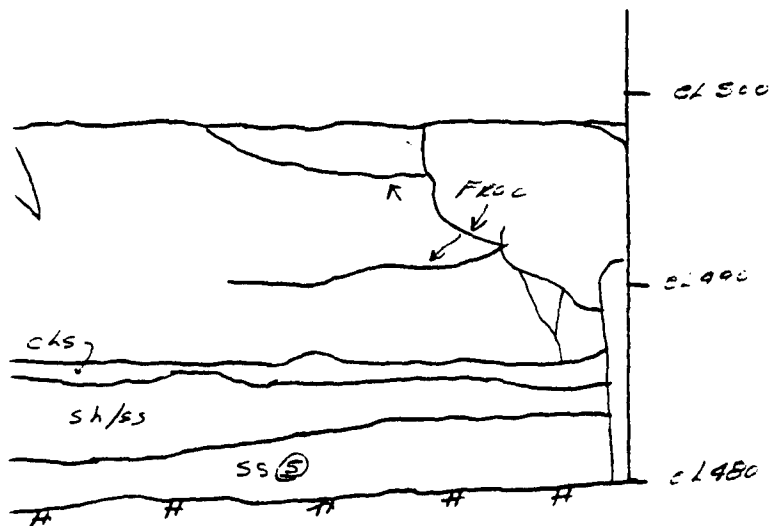
①



D/S Aux Bulkhead sill

②

317

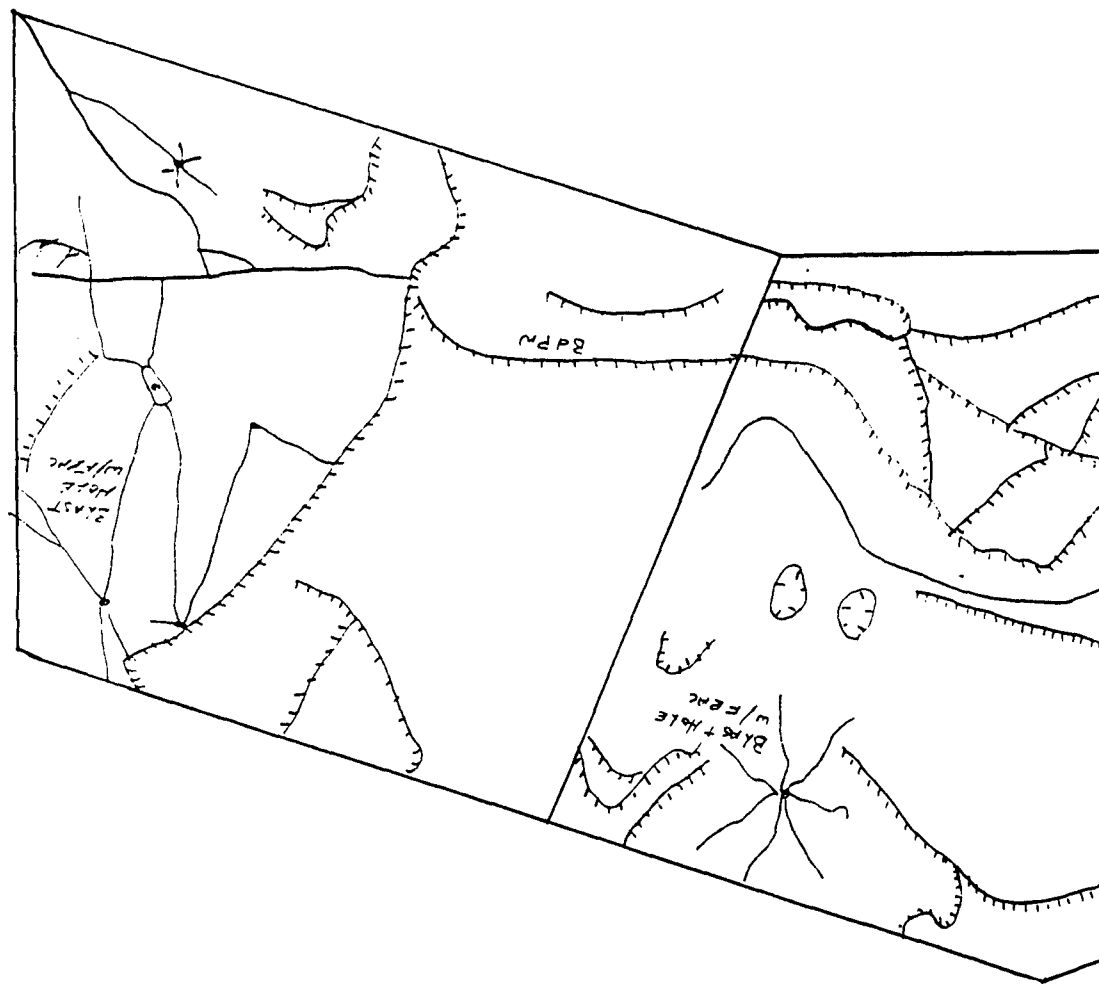
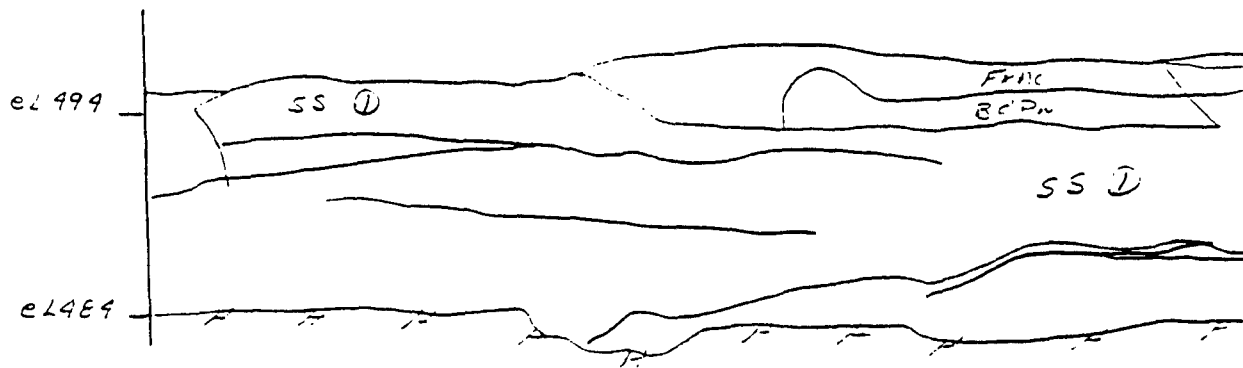


③

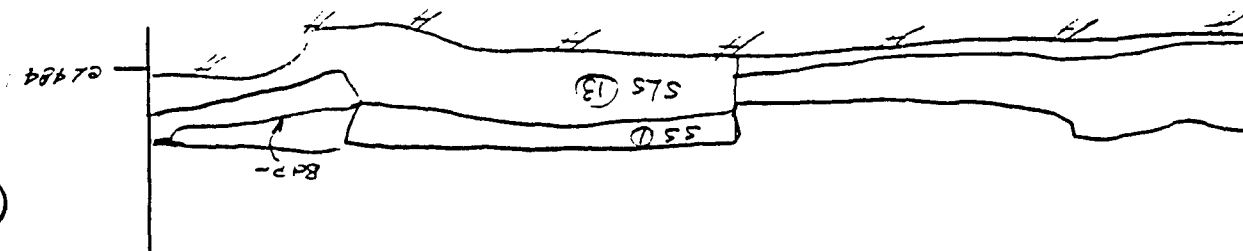
317

U.S. Army Corps of Engineers

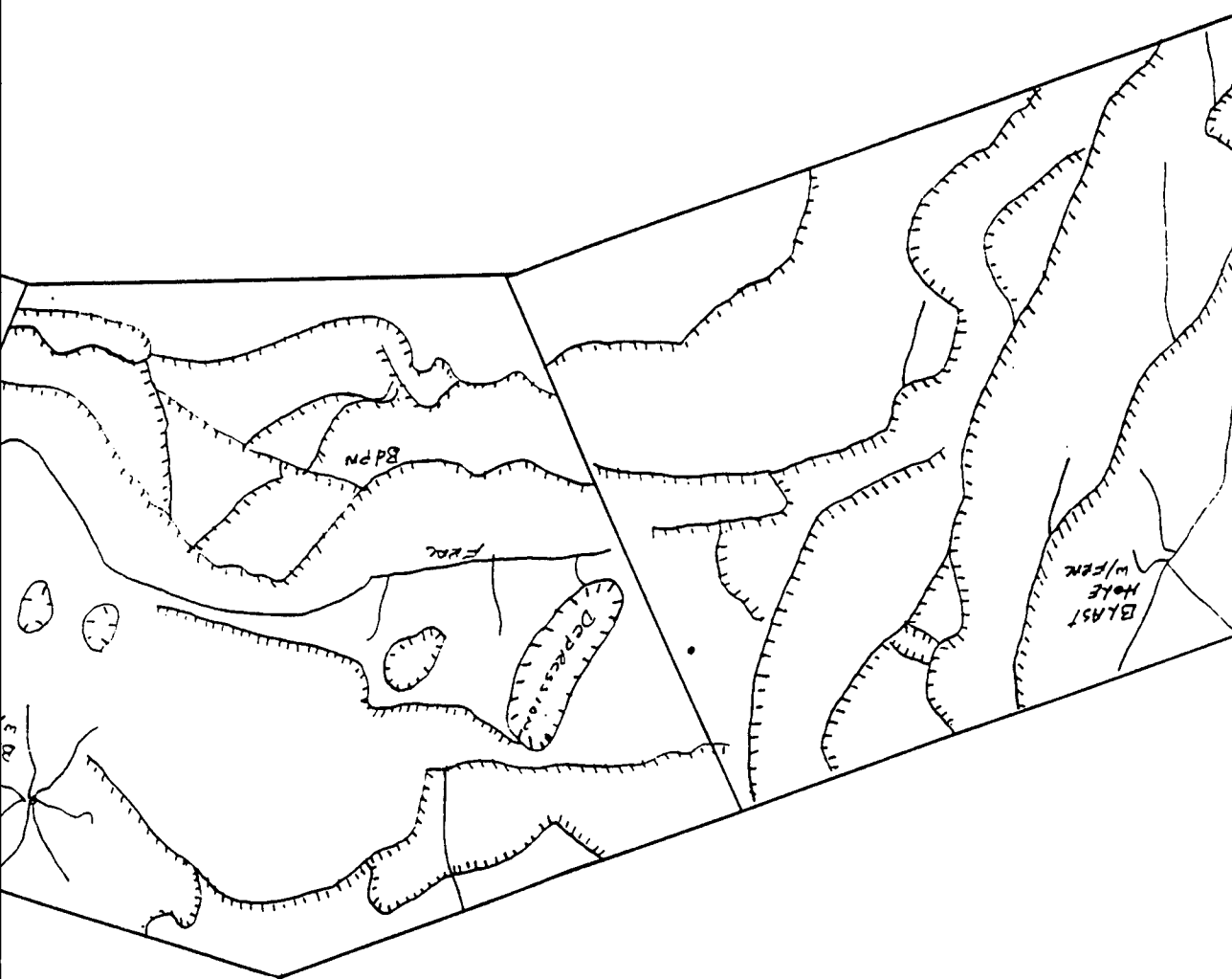
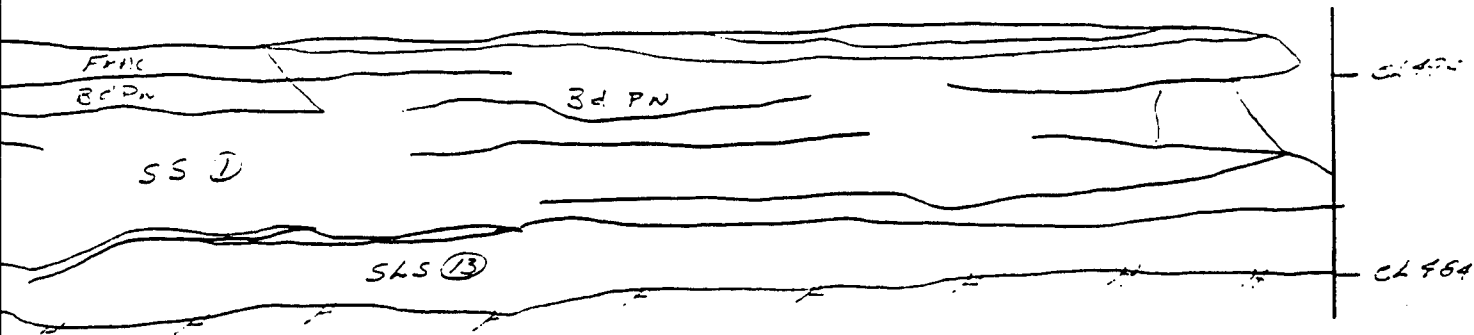
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Auxiliary Lock Sill



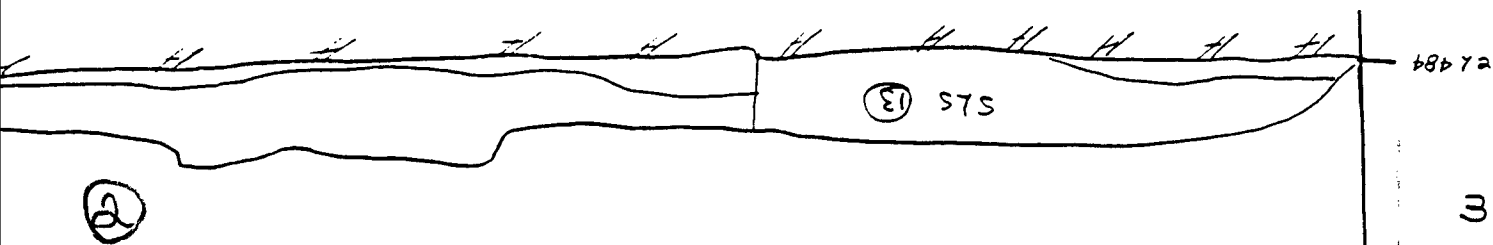
D/S AUX MITEE

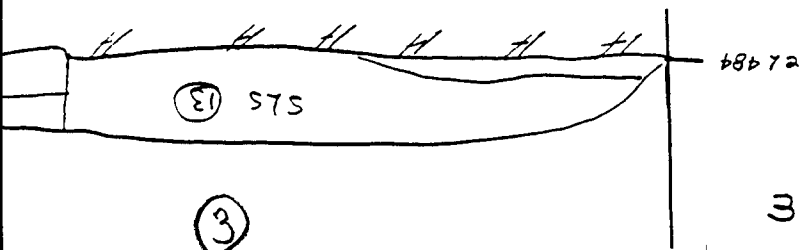
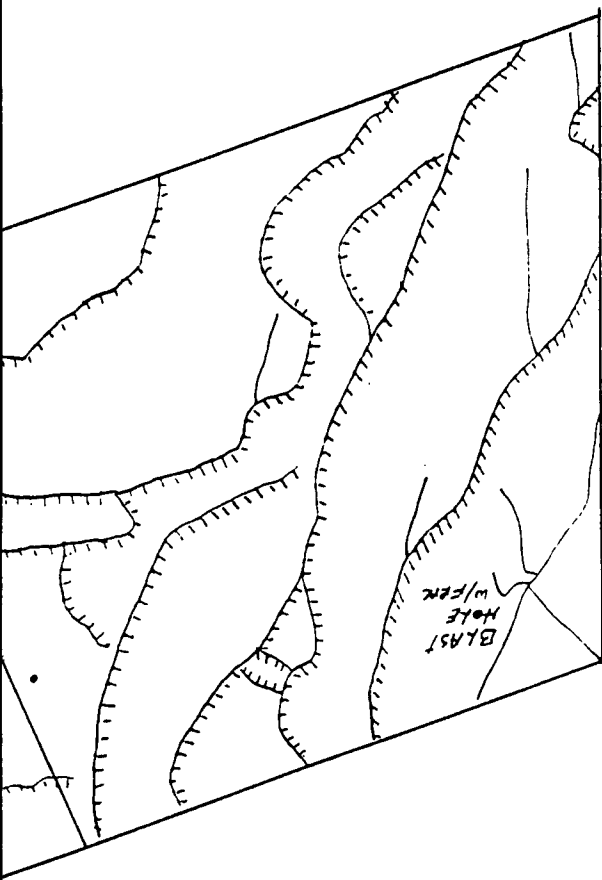
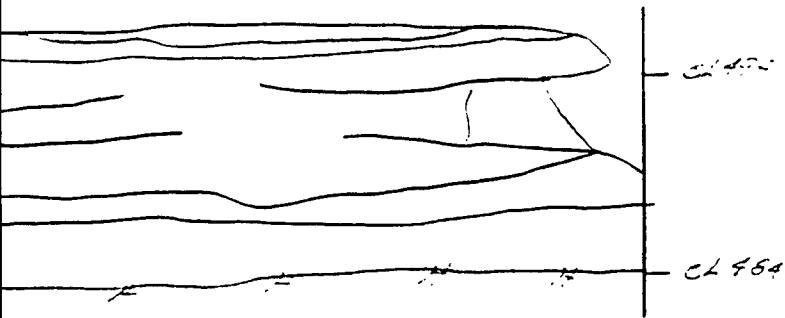


①



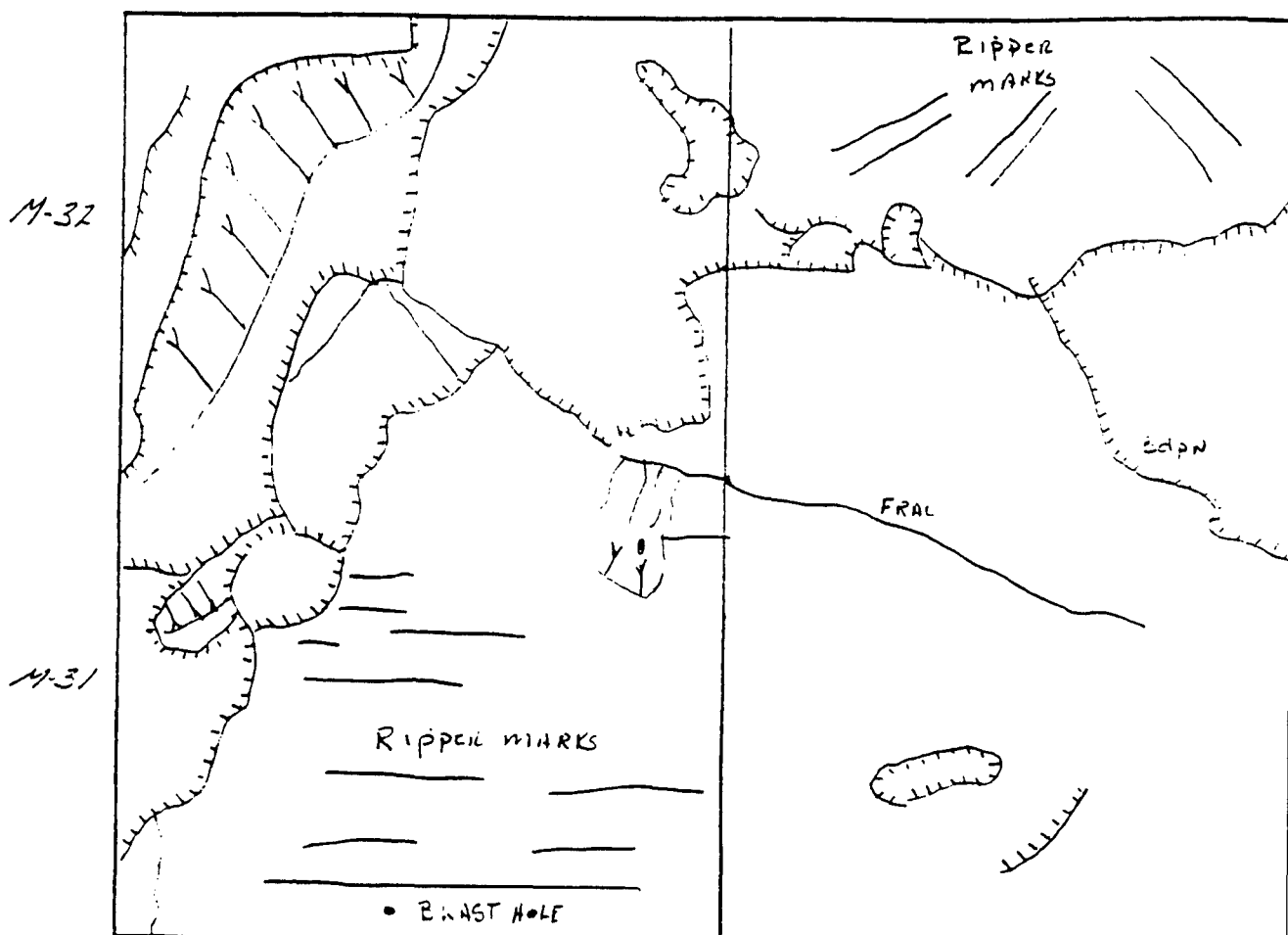
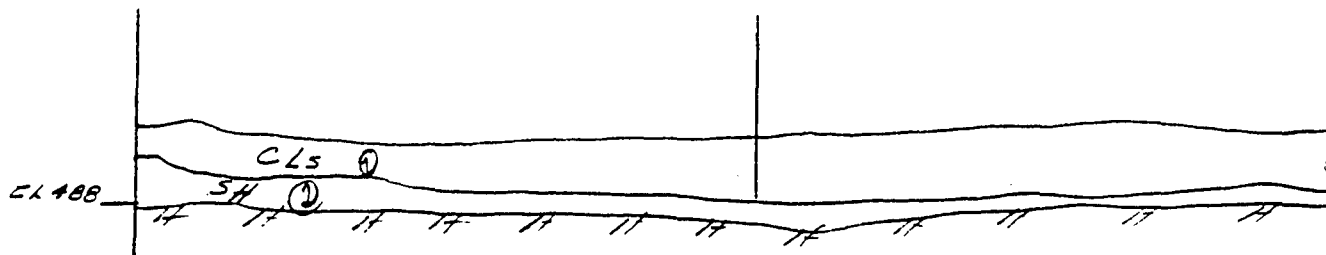
D/S AUX MITER GATE SILL





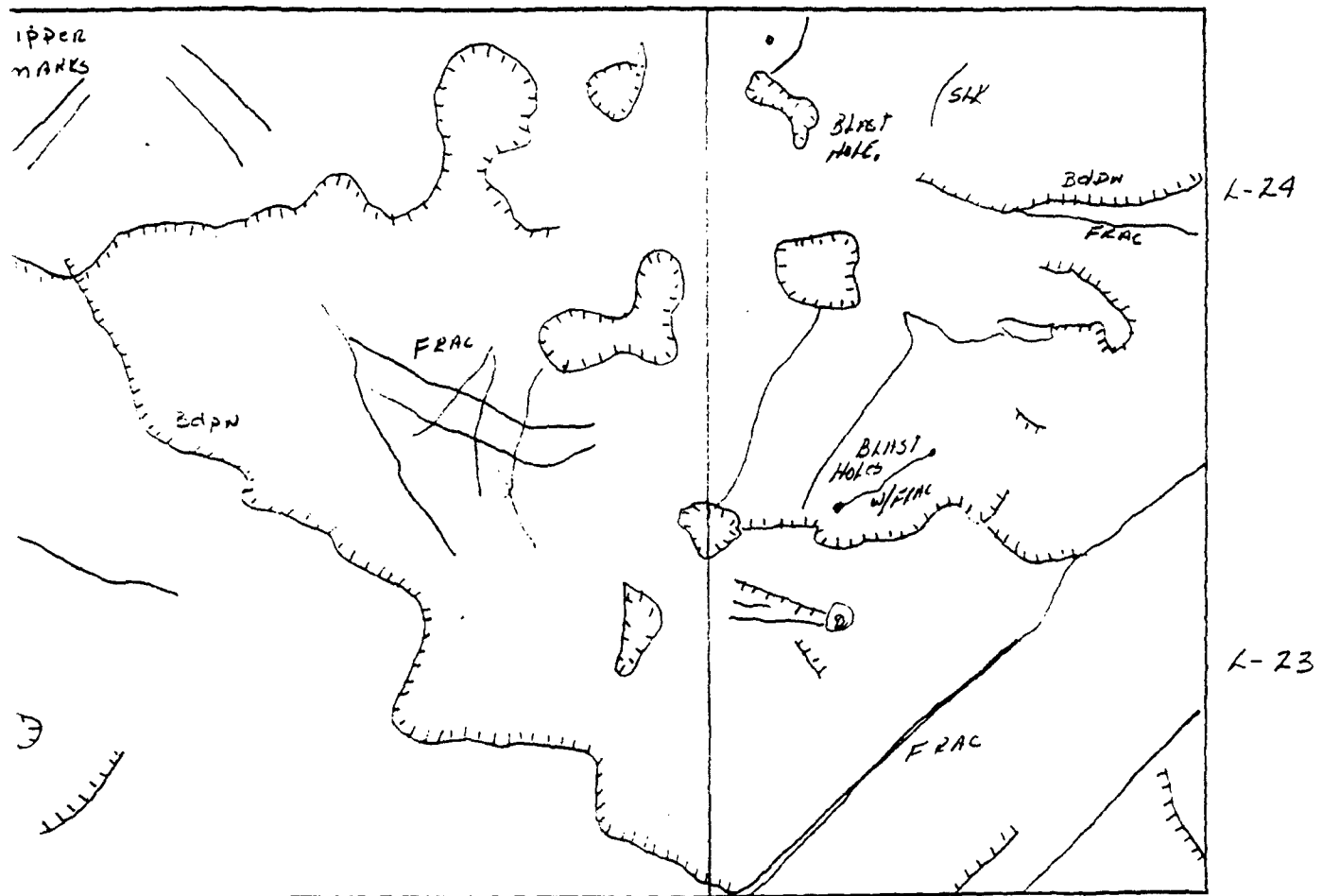
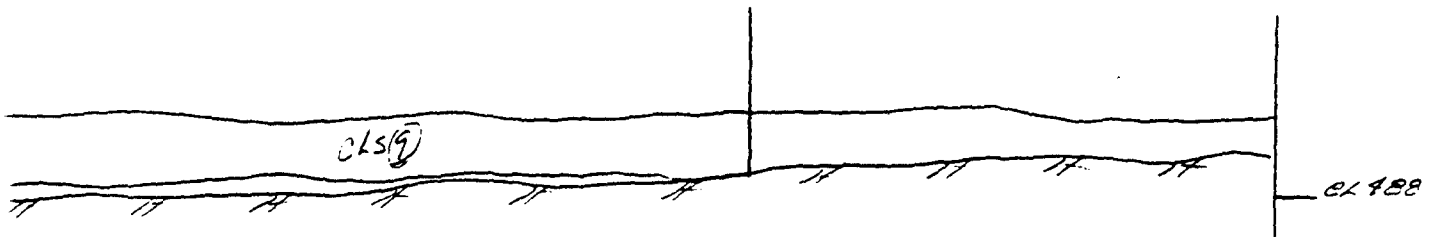
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Auxiliary Lock Sill



AUX LOCK Emergency G

①

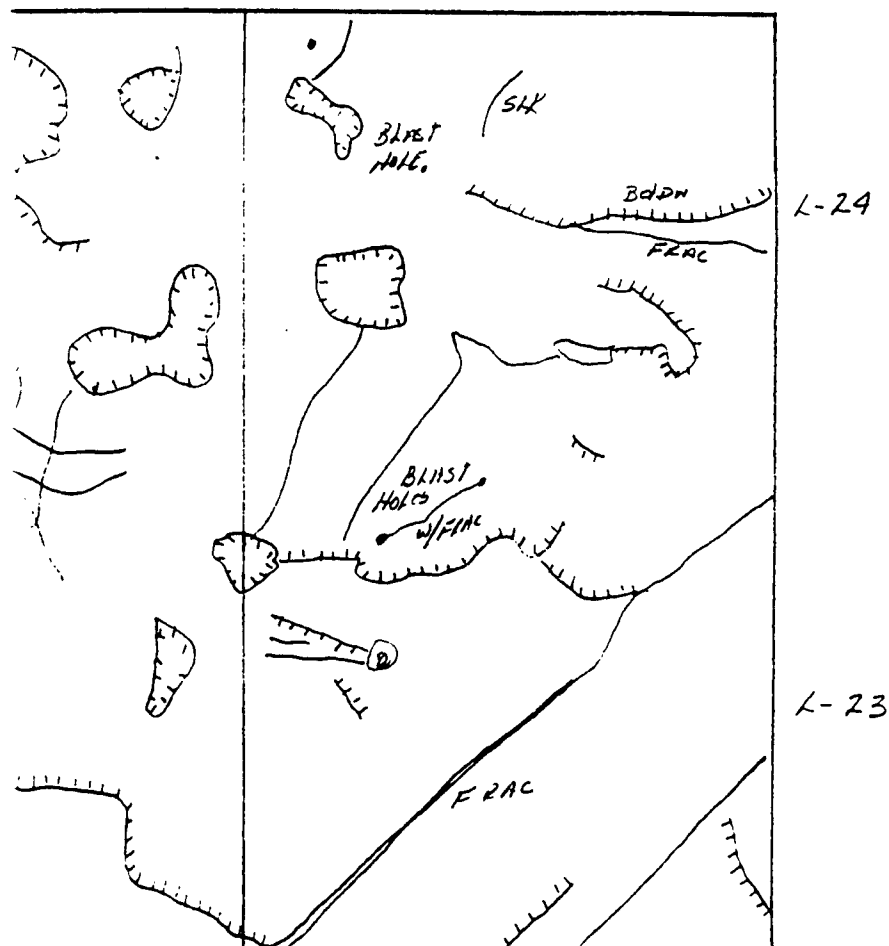


Emergency Gate SILL

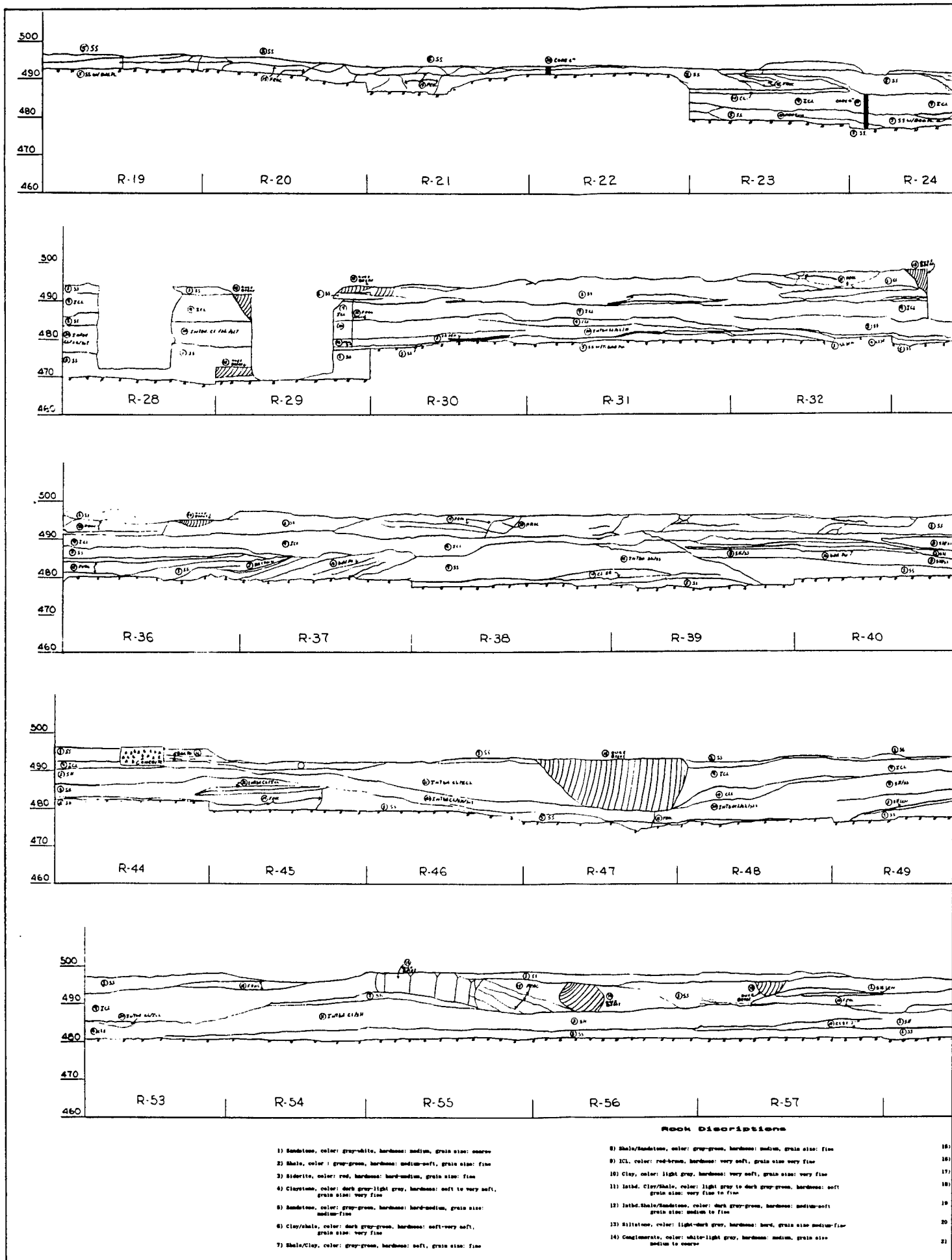
(2)

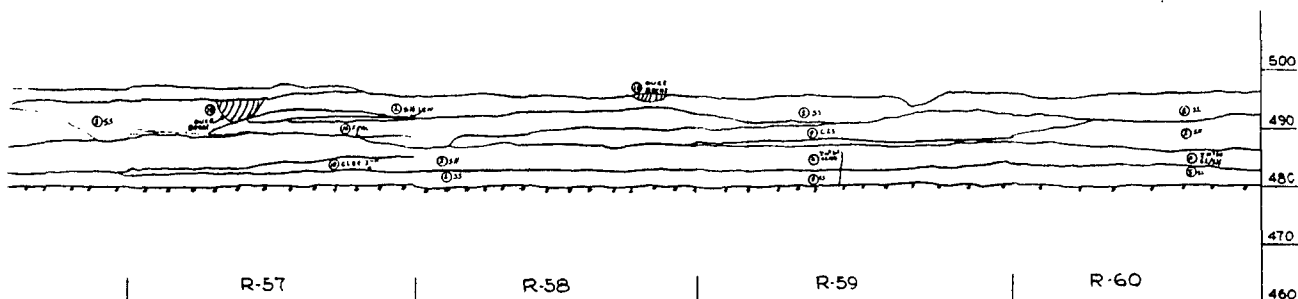
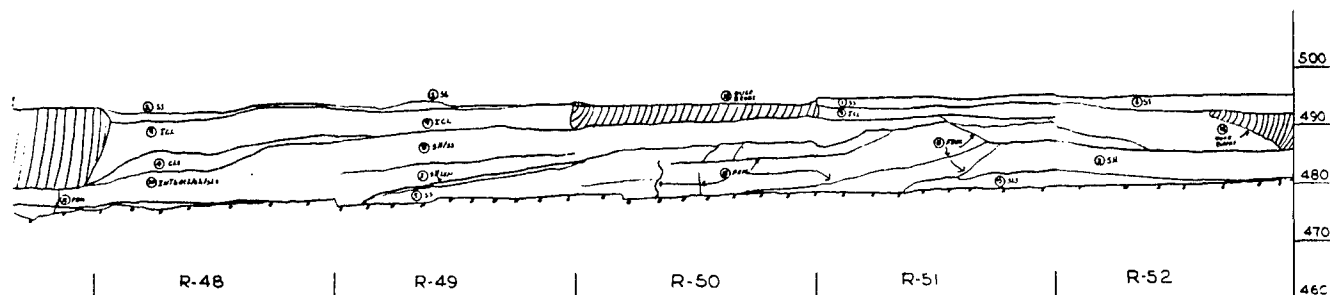
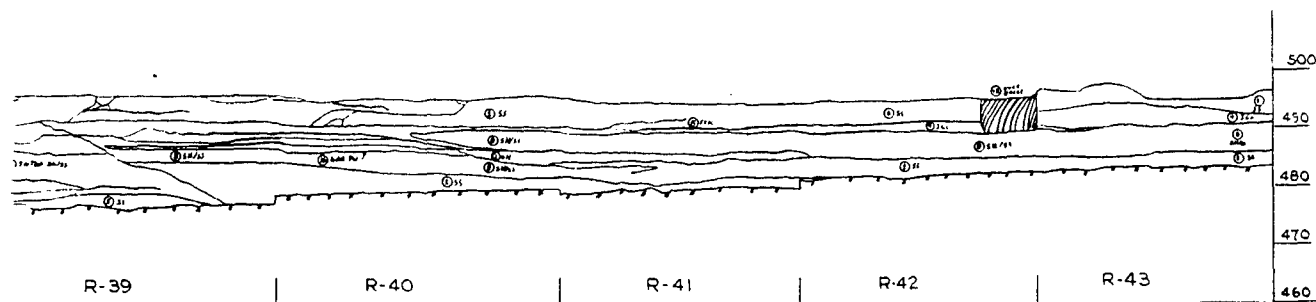
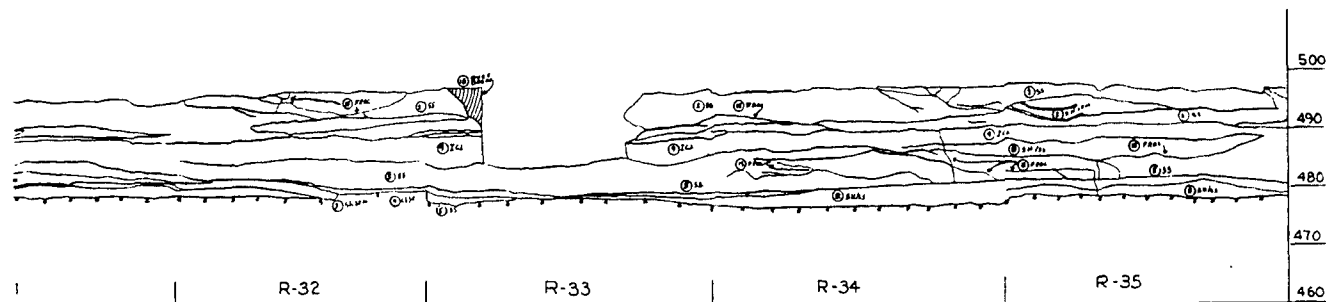
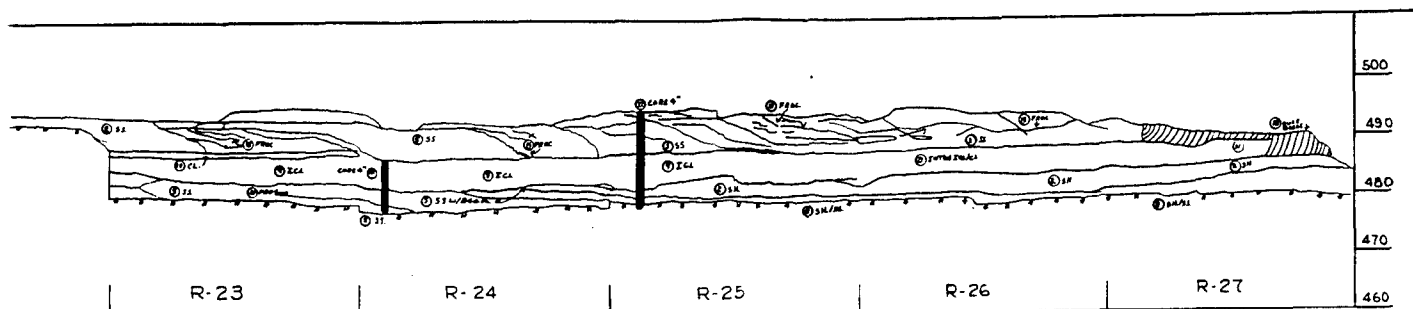
319

U.S. ARMY CO
Gallipolis
Lock
Foundation
Auxiliary



Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Auxiliary Lock Sill





Rock Descriptions

Shale/sandstone, color: gray-green, hardness: medium, grain size: fine

CL, color: red-brown, hardness: very soft, grain size: very fine

Clay, color: light gray, hardness: very soft, grain size: very fine

lath. Clay/shale, color: light gray to dark gray-green, hardness: soft, grain size: very fine to fine

lath. Shale/sandstone, color: dark gray-green, hardness: medium-soft, grain size: medium to fine

Siltstone, color: light-dark gray, hardness: hard, grain size: medium-fine

Conglomerate, color: white-light gray, hardness: medium, grain size: medium to coarse

16) Fractures, including vertical and horizontal, width: 1/8 to 1/4 inch

16) bed. pl., bedding plane

17) broken zone, intensely fractured

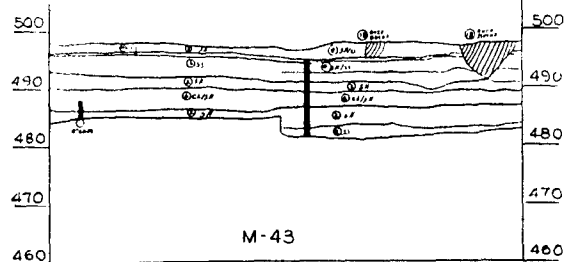
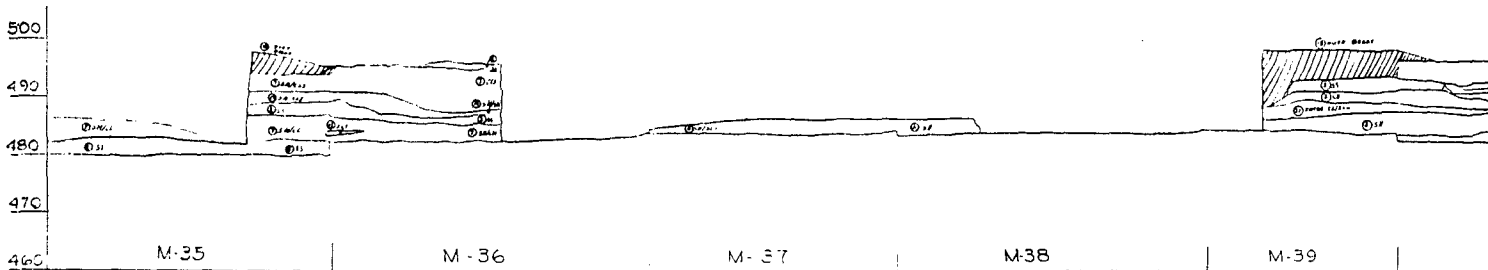
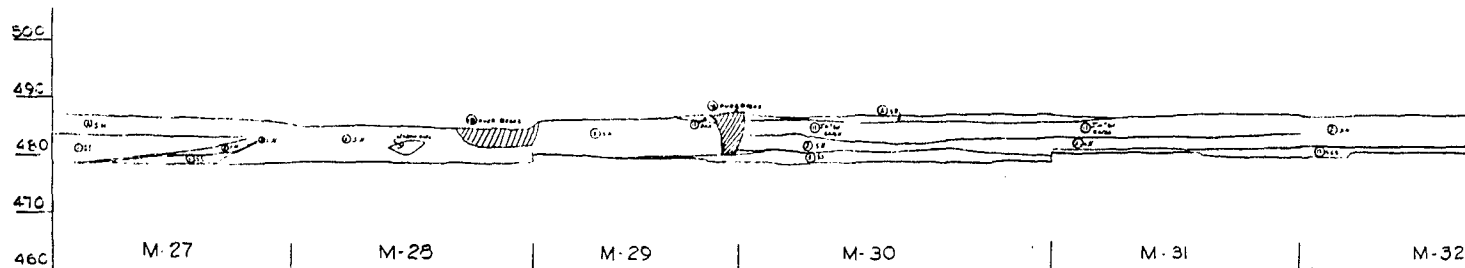
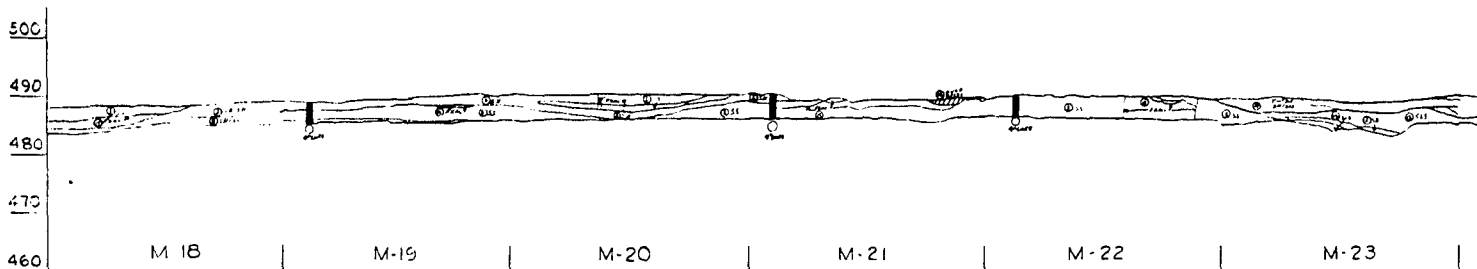
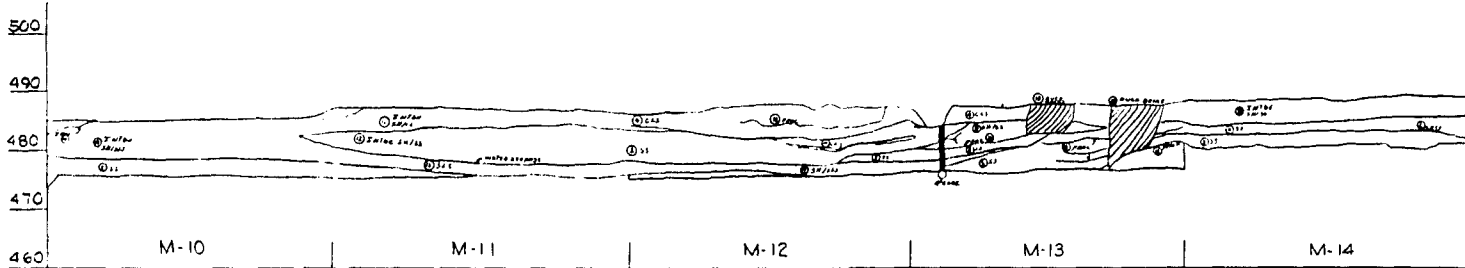
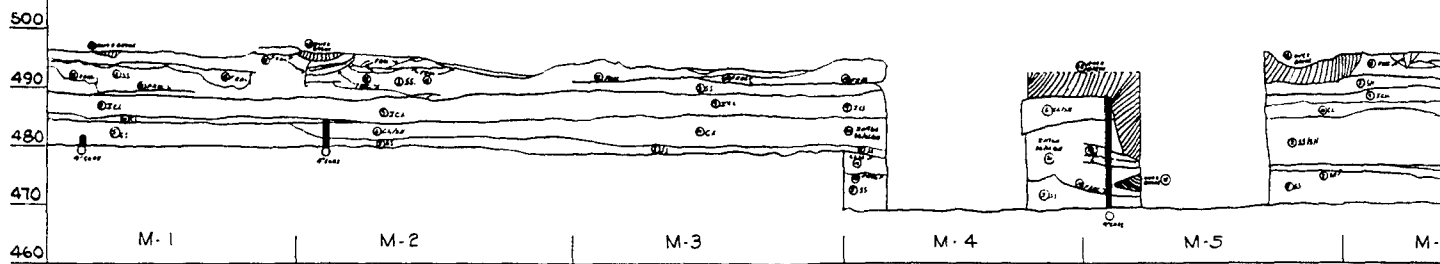
18) over break, piece of material lost during excavation after, 1-8 feet

19) shale/siltstone, color: gray-green, hardness: hard-medium, grain size: medium, fine thin bed. pl.

20) lath. clay/shale/siltstone, color: light gray to dark gray-green, hardness: very soft to medium, grain size: very fine to medium

21) lath. clay/CL, color: gray, red-brown, hardness: very soft, grain size: very fine

U.S. Army Engineer District Burlington
 Corps of Engineers
 Burlington N. H.
 Ohio River
 Gallipolis Locks and Dam
 Locks in Canal
 River Wall Cross Section

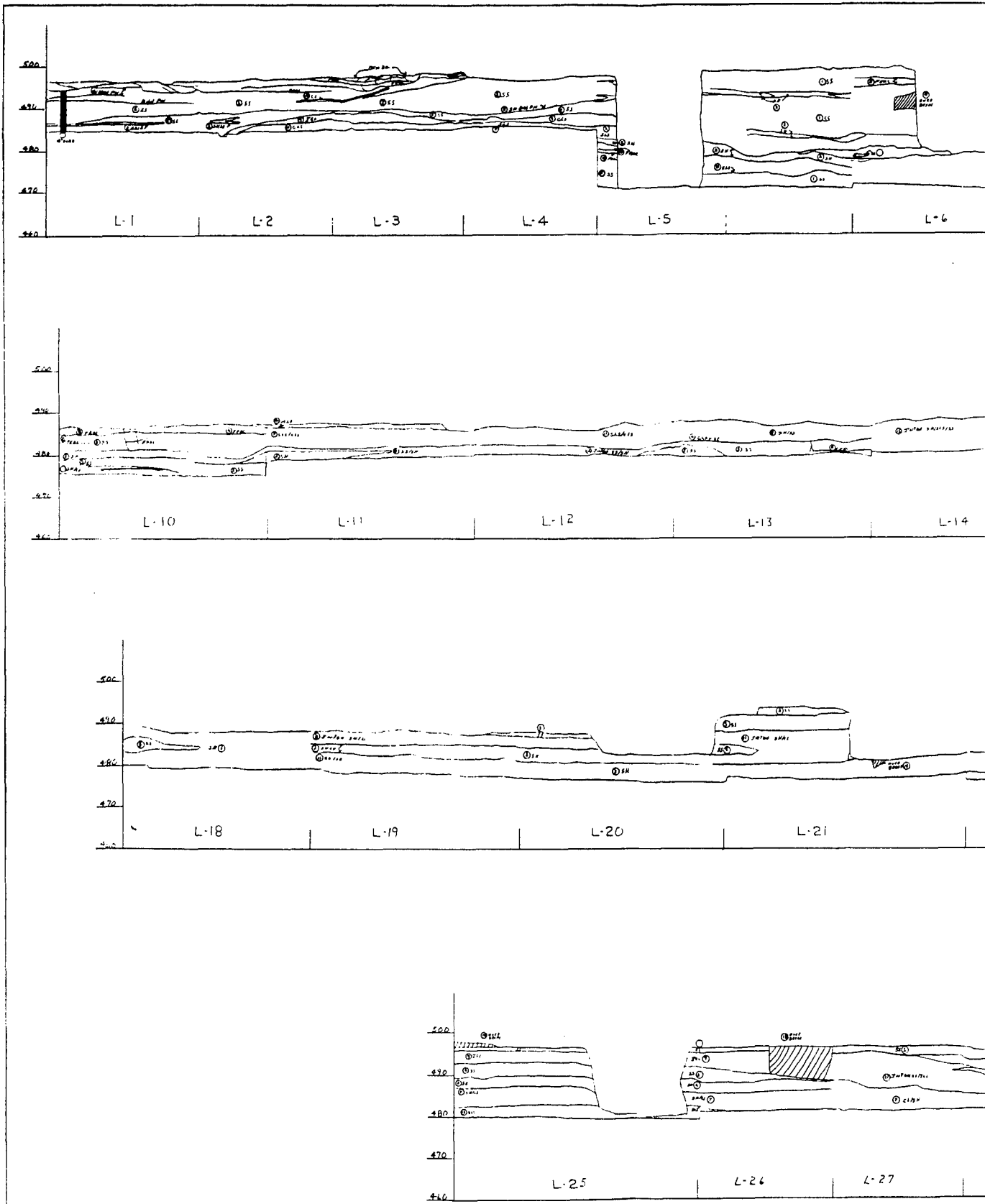


Rock Descriptions

- 1) Sandstone, color: gray-white, hardness: medium, grain size: coarse
- 2) Shale, color: gray-green, hardness: medium-soft, grain size: fine
- 3) Siltstone, color: red, hardness: hard-medium, grain size: fine
- 4) Claystone, color: dark gray-light gray, hardness: soft to very soft, grain size: very fine
- 5) Sandstone, color: gray-green, hardness: hard-medium, grain size: medium-fine
- 6) Clay/shale, color: dark gray-green, hardness: soft-very soft, grain size: very fine
- 7) Shale/Clay, color: gray-green, hardness: soft, grain size: fine
- 8) Shale/Sandstone, color: gray-green, hardness: medium, grain size: fine

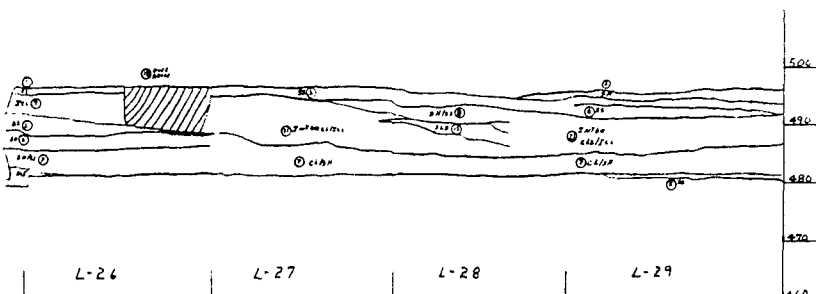
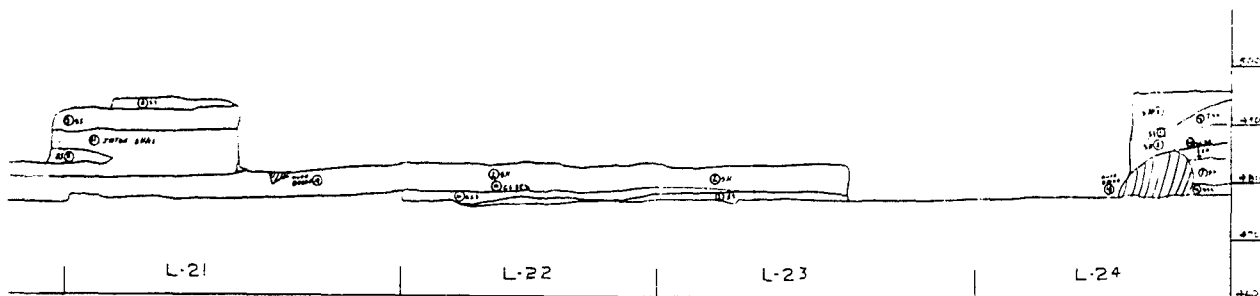
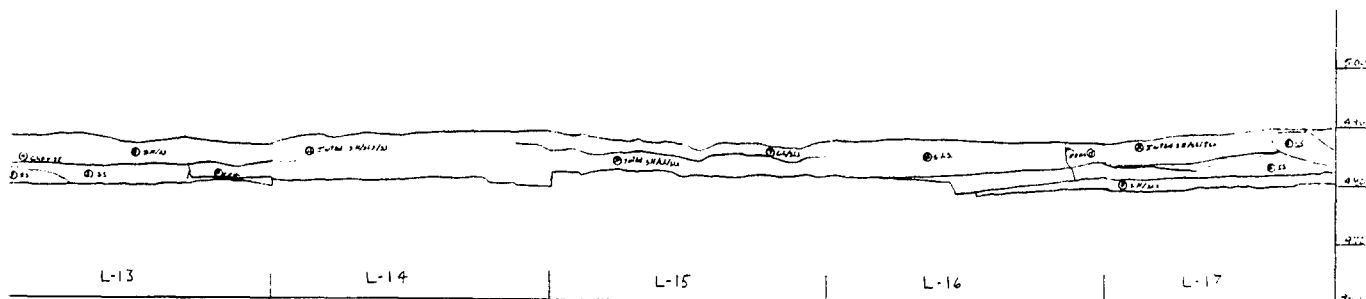
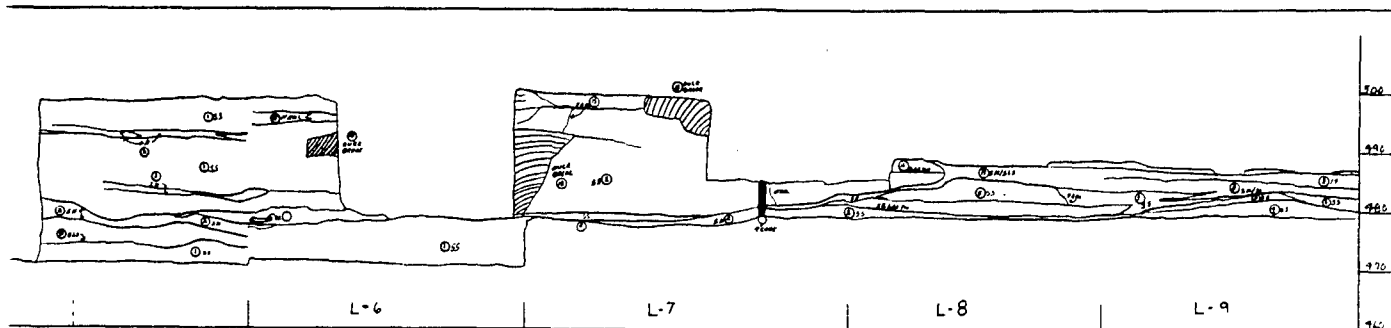
- 9) ICL, color: red-brown, hardness: very soft, grain size: very fine
- 10) Clay, color: light gray, hardness: very soft, grain size: very fine
- 11) Interbed. clay/shale, color: light gray to dark gray-green, hardness: soft, grain size: very fine to fine
- 12) Interbed. shale/sandstone, color: dark gray-green, hardness: medium-soft, grain size: medium to fine
- 13) Siltstone, color: light-dark gray, hardness: hard, grain size: medium-fine
- 14) Conglomerate, color: white-light gray, hardness: medium, grain size: medium to coarse
- 15) Fracture, includes vertical and horizontal, width: 1/8 to 1/2 inch

- 16) bed. pl., bedding
- 17) broken zone, late
- 18) over break, plane
- 19) shale/siltstone, medium
- 20) interbed. clay/shale, very soft
- 21) interbed. clay/ICL, grain size



Rock Descriptions

1) Sandstone, color: gray-white, hardness: medium, grain size: coarse	9) ICC, color: red-brown, hardness: very soft, grain size: very fine
2) Shale, color: gray-green, hardness: medium-soft, grain size: fine	10) Clay, color: light gray, hardness: very soft, grain size: very fine
3) Siderite, color: red, hardness: hard-medium, grain size: fine	11) Intbd. Clay/shale, color: light gray to dark gray-green, hardness: soft, grain size: very fine to fine
4) Claystone, color: dark gray-light gray, hardness: soft to very soft, grain size: very fine	12) Intbd. Shale/sandstone, color: dark gray-green, hardness: medium-soft, grain size: medium to fine
5) Sandstone, color: gray-green, hardness: hard-medium, grain size: medium-fine	13) Siltstone, color: light-dark gray, hardness: hard, grain size: medium-fine
6) Clay/shale, color: dark gray-green, hardness: soft-very soft, grain size: very fine	14) Conglomerate, color: white-light gray, hardness: medium, grain size: medium to coarse
7) Shale/clay, color: gray-green, hardness: soft, grain size: fine	15) Fractures, includes vertical and horizontal, width: 1/8 to 1/3 inches
8) Shale/sandstone, color: gray-green, hardness: medium, grain size: fine	16) Bdd. Pl., bedding planes

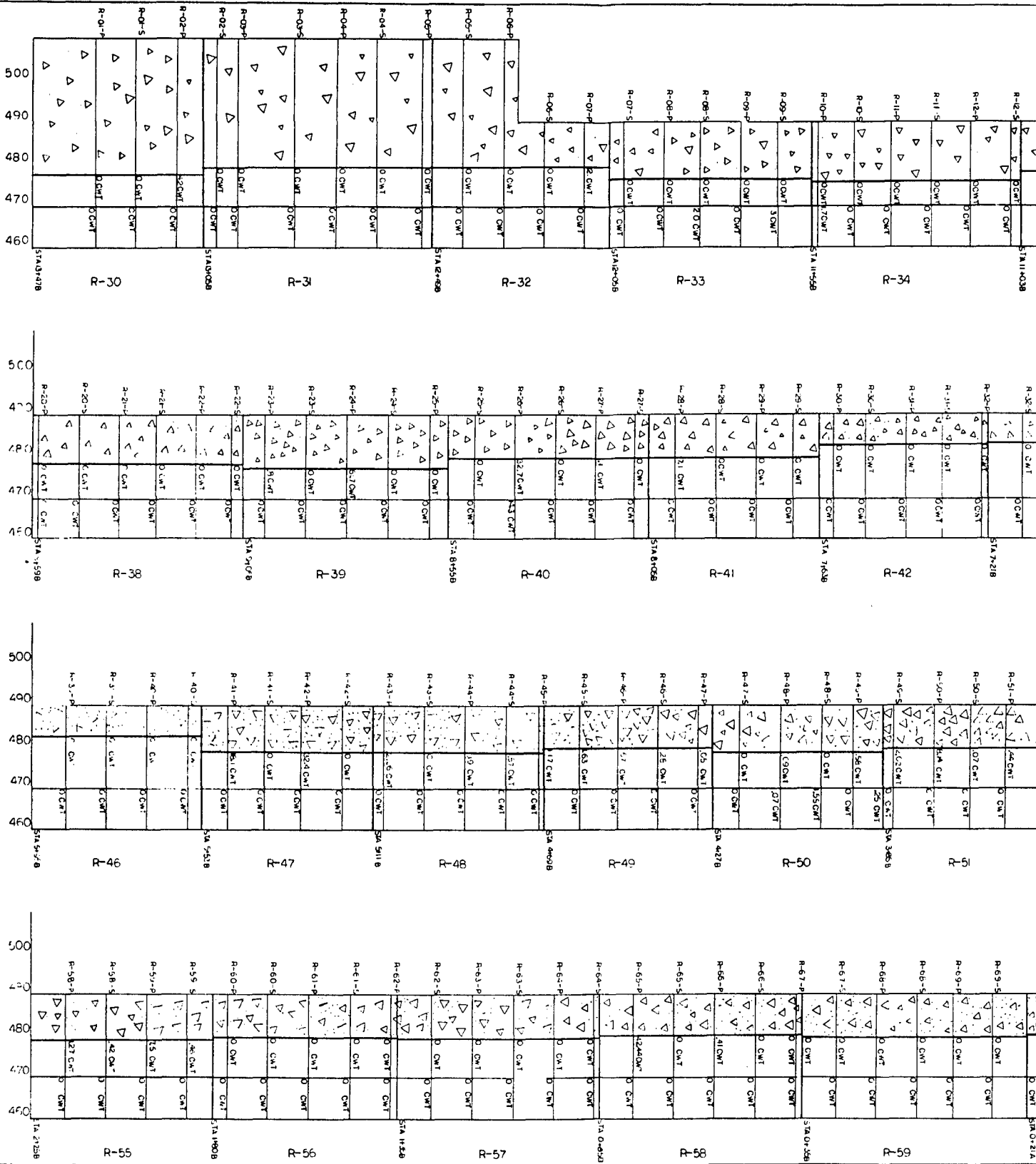


Rock Descriptions

color: red-brown, hardness: very soft, grain size: very fine
 color: light gray, hardness: very soft, grain size: very fine
 Clay/Shale, color: light gray to dark gray-green, hardness: soft
 grain size: very fine to fine
 Shale/Siltstone, color: dark gray-green, hardness: medium-soft
 grain size: medium to fine
 one, color: light-dark gray, hardness: hard, grain size: medium-fine
 sarsite, color: white-light gray, hardness: medium, grain size
 medium to coarse
 res. includes vertical and horizontal, width: 1/8 to 1.5 inches
 .. bedding plane

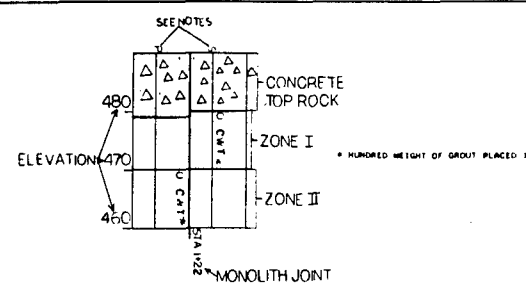
- 17) Broken zone, intensely fractured
- 18) Over Break, piece of material lost during excavation after 1-9 feet
- 19) Shale/Siltstone, color: gray-green, hardness: hard-medium, grain size:
medium, has thin bed.pl.
- 20) Intbd. Clay/Shale/Siltstone, color light gray to dark gray-green, hardness:
very soft to medium, grain size: very fine to medium
- 21) Intbd. Clay/ICL, color: gray, red-brown, hardness: very soft,
grain size: very fine

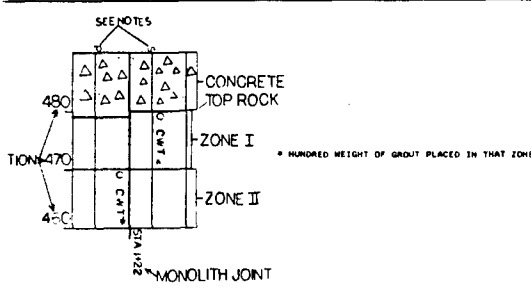
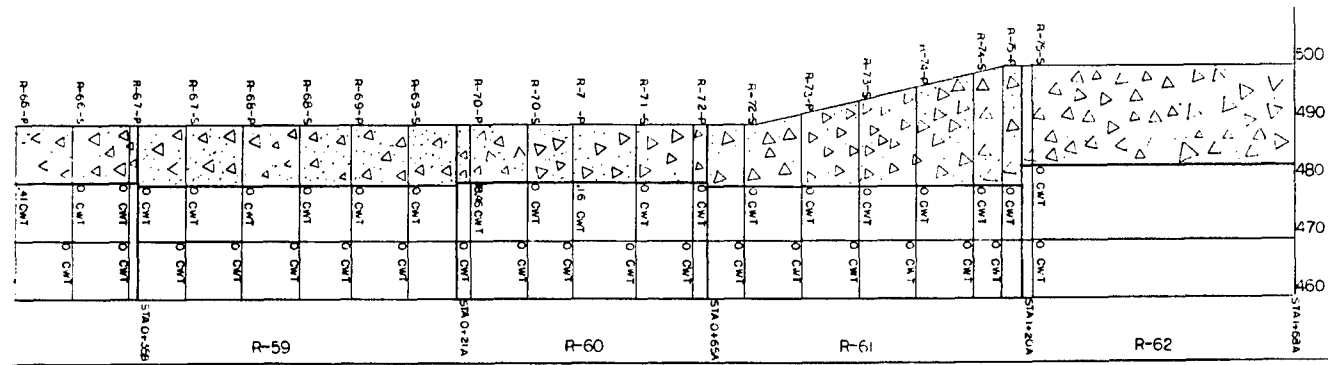
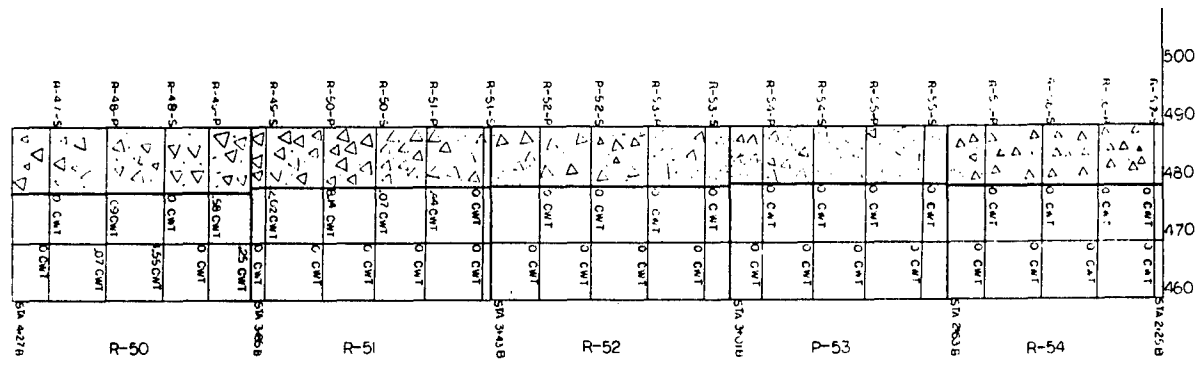
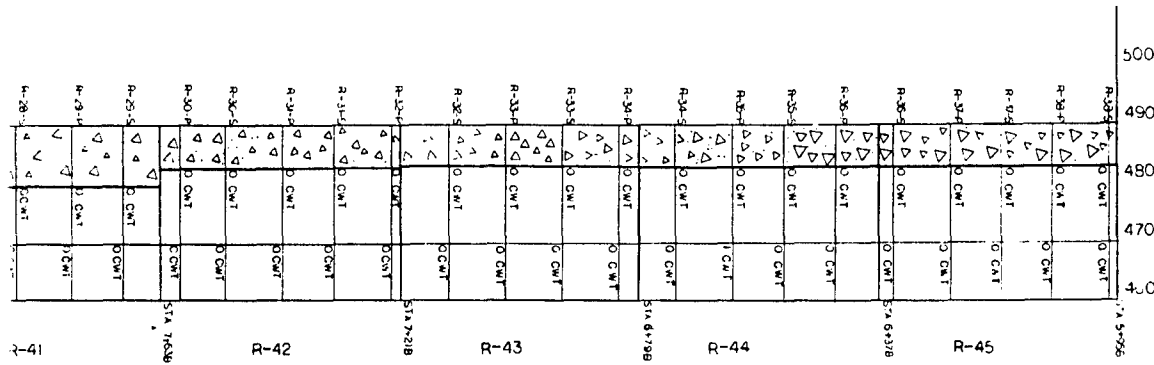
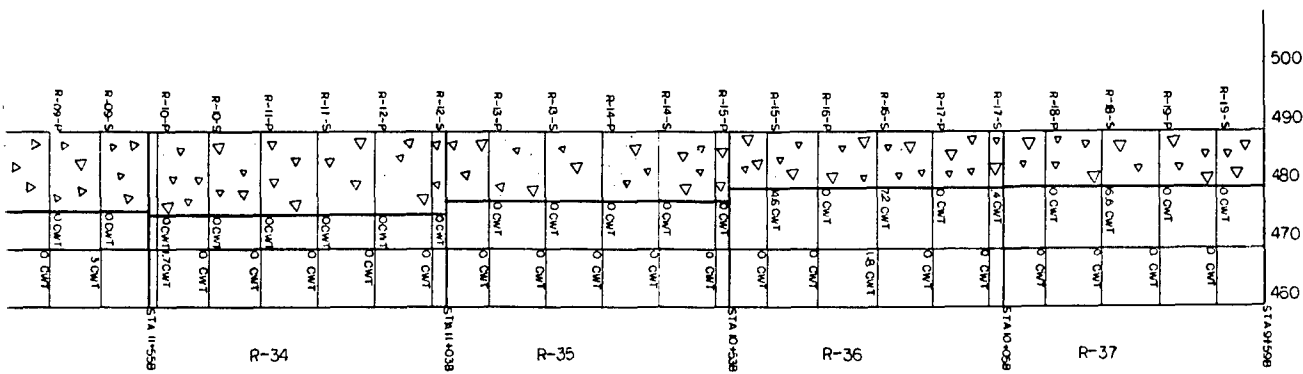
U.S. Army Engineer District Washington
 Corps of Engineers
 Washington D.C.
 Ohio River
 Gallipolis Locks and Dam
 Locks in Canal
 Lock Wall Cross Section



FLOW DIRECTION RIGHT TO LEFT

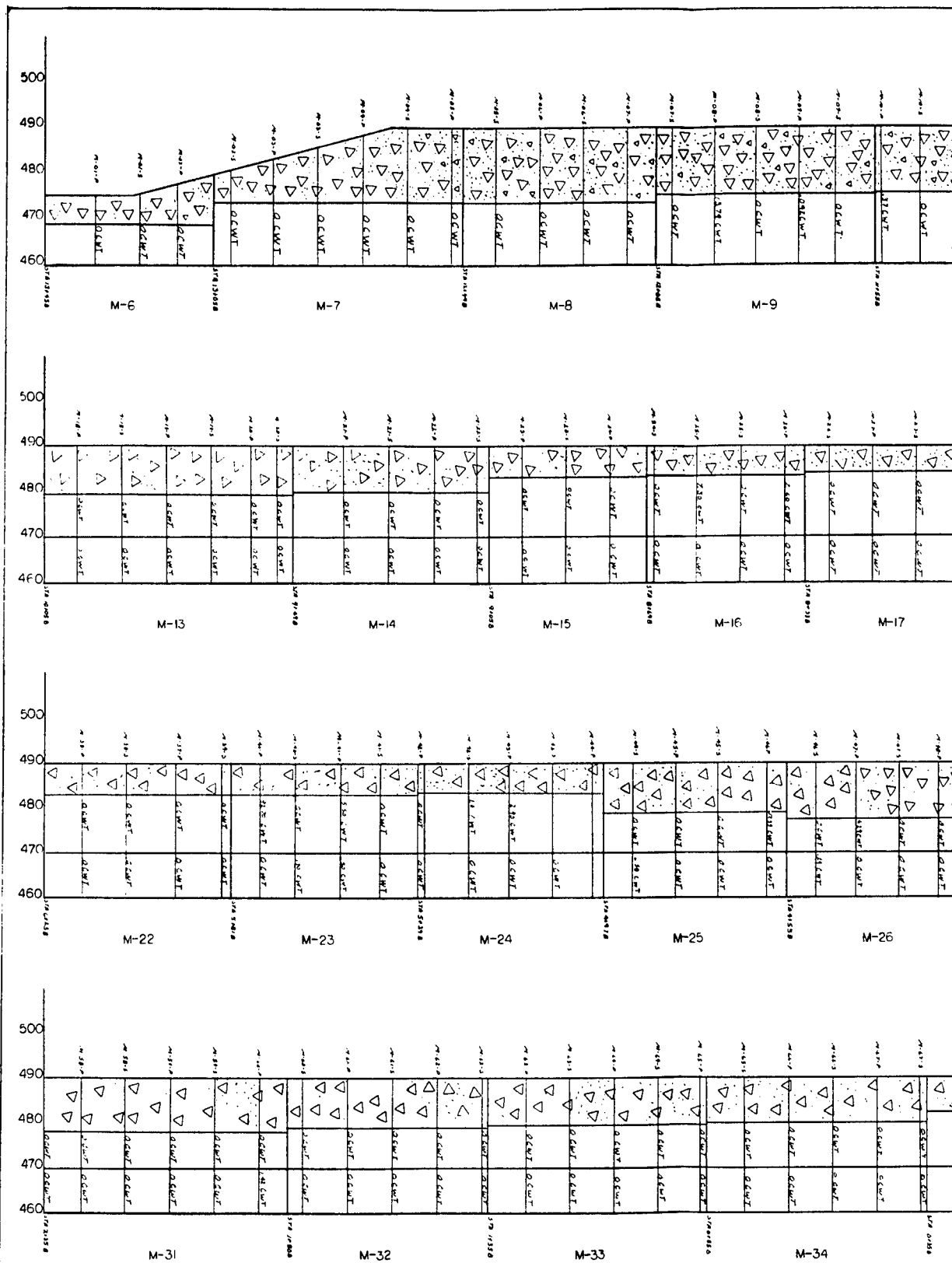
0 10 20
 SCALE
 1 INCH = 10 FEET





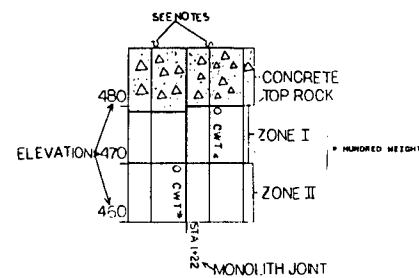
- GROUTING NOTES
1. ALL HOLE ARE PERFORMED IN THE CONCRETE
 2. MANDATORY PRIMARY AND SECONDARY DRILLING AND GROUTING.
 3. TERTIARY DRILLING AND GROUTING, WHEN DETERMINED TO BE NECESSARY.
 4. ZONE 1 GROUTING SHALL EXTEND DOWN TO ELEVATION 470. ZONE 2 GROUTING SHALL EXTEND DOWN TO ELEVATION 460
 5. ALL GROUTING INSIDE THE CULVERT HAS DONE FROM ELEVATION 460 ON THE CULVERT INVERT. WATER GATE BILLS WERE GROUTED FROM ELEVATION 460.
 6. R-22-P IS RIVER WALL, 22: THE HOLE NUMBER, P: PRIMARY R-22-S IS RIVER WALL, 22: THE HOLE NUMBER, S: SECONDARY

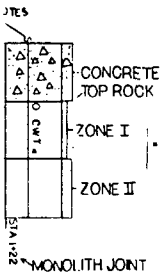
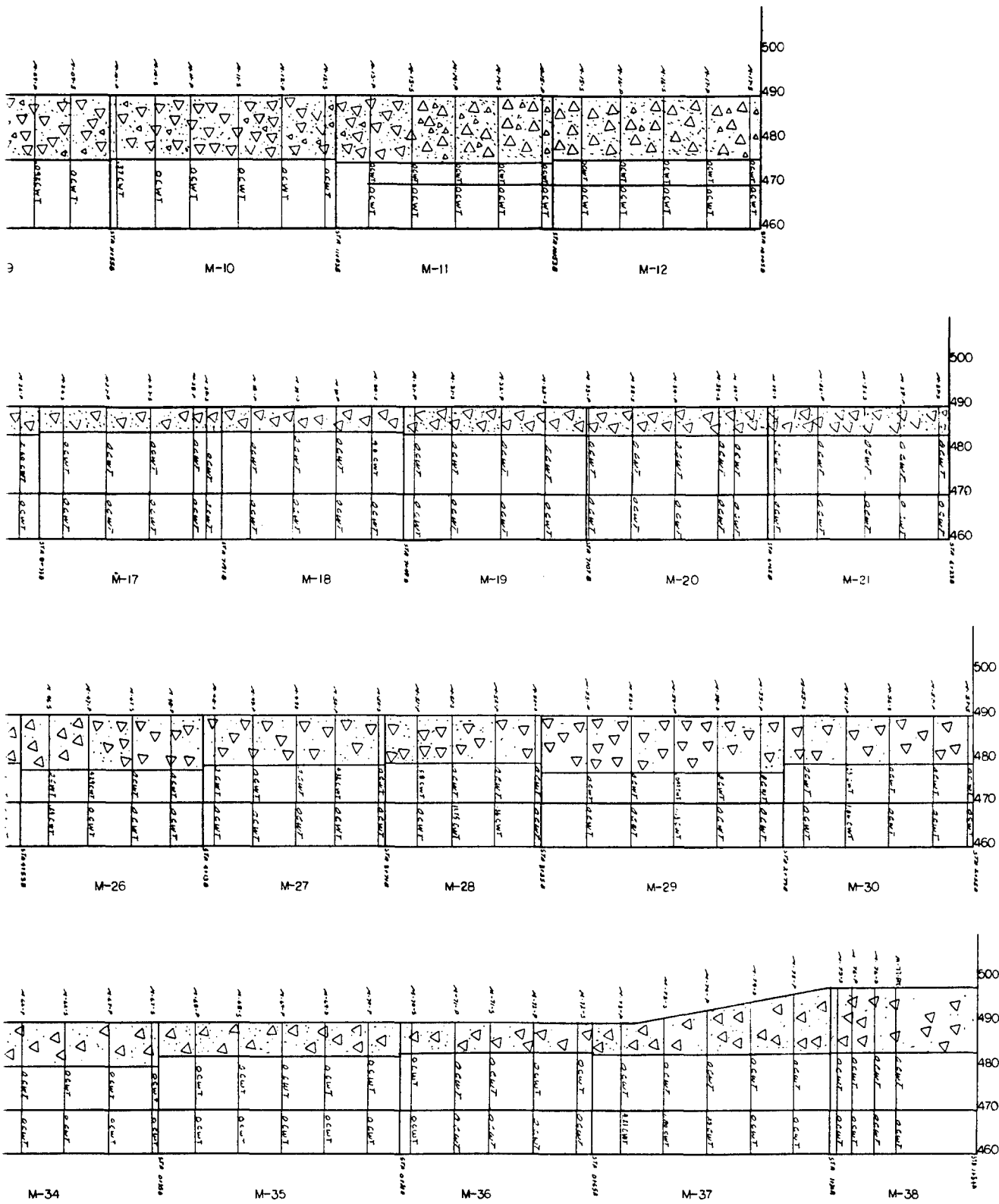
U.S. ARMY DISTRICT HUNTINGTON
CORPS OF ENGINEERS
HUNTINGTON W. VA.
OHIO RIVER
BALLPOLE LOCK AND DAM
LOCKS IN CANAL
RIVER WALL
GROUT SECTION



L → R
PLAN DIRECTION RIGHT TO LEFT

0 10 20
SCALE
1 INCH = 10 FEET



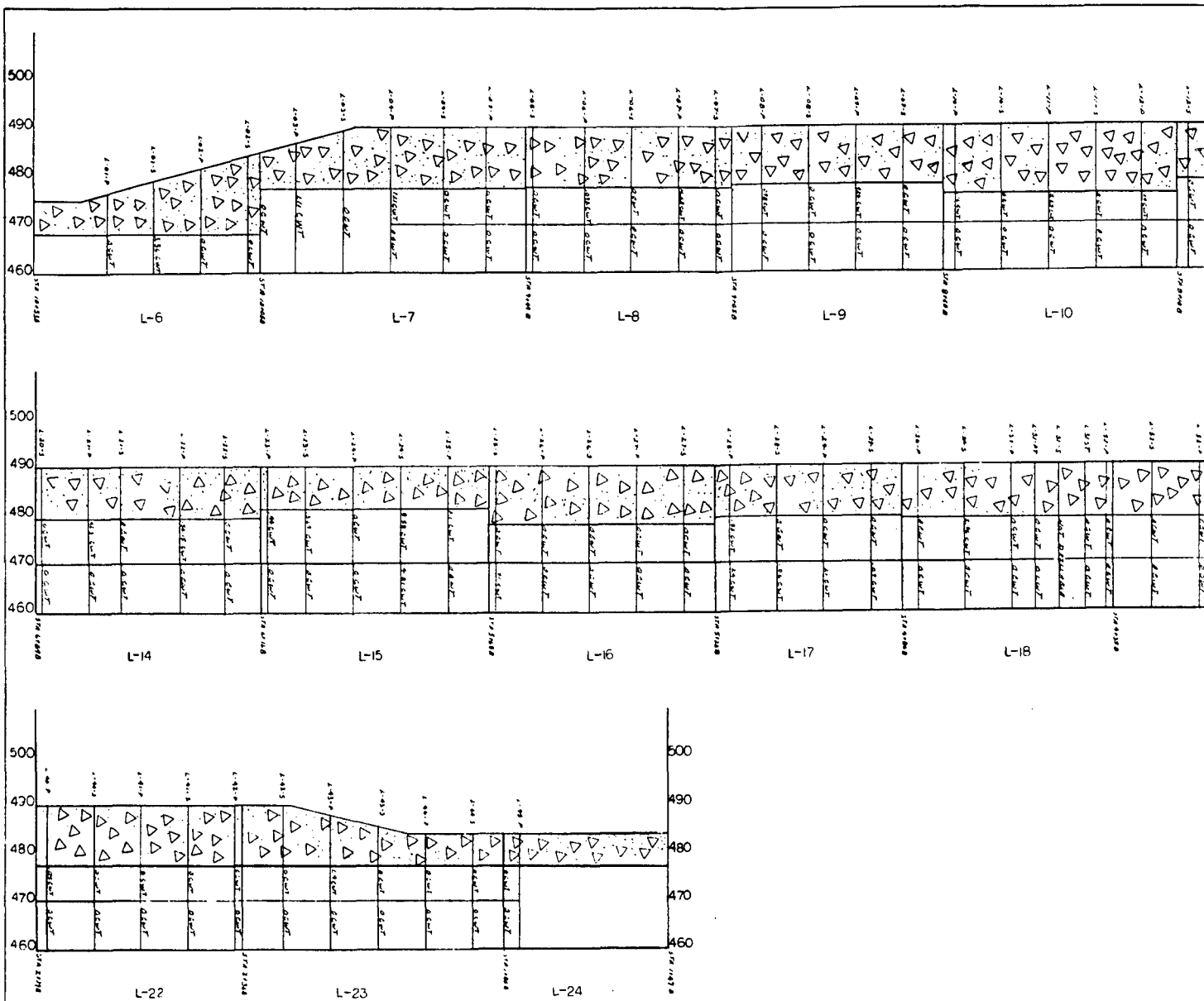


GROUTING NOTES

1. ALL HOLES ARE PREFORMED IN THE CONCRETE.
2. MANDATORY PRIMARY AND SECONDARY DRILLING AND GROUTING.
3. TERTIARY DRILLING AND GROUTING, WHEN DETERMINED TO BE NECESSARY.
4. ZONE 1 GROUTING SHALL EXTEND DOWN TO ELEVATION 470. ZONE 2 GROUTING SHALL EXTEND DOWN TO ELEVATION 460.
5. ALL GROUTING INSIDE THE CULVERT WAS DONE FROM ELEVATION 490 OR THE CULVERT INVERT. MITER GATE BILLS WERE GROUTED FROM ELEVATION 492.
6. R-22-P IS R-RIVER WALL. 22+ THE HOLE NUMBER. P- PRIMARY
R-22-S IS R-RIVER WALL. 22+ THE HOLE NUMBER. S- SECONDARY

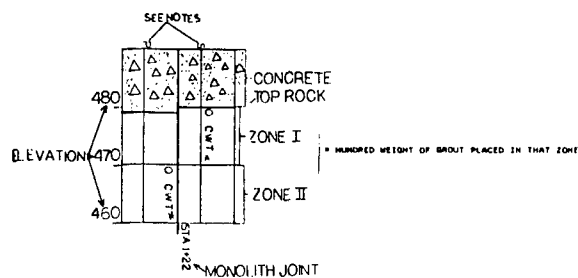
U.S. ARMY DISTRICT HUNTINGTON
CORPS OF ENGINEERS
HUNTINGTON W. VA.

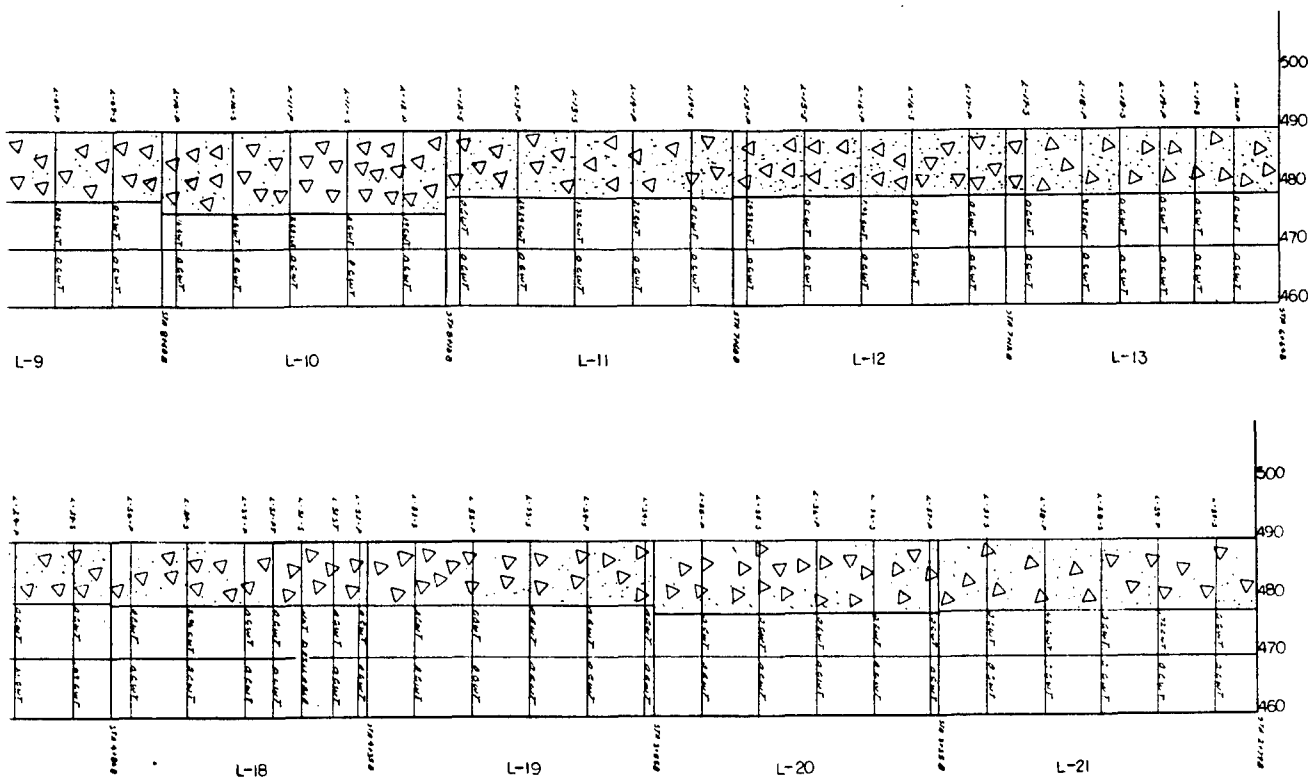
ORIO RIVER
GALLIPOLIS LOCK AND DAM
LOCK IS GRAB
MIDDLE WALL
GROUT SECTION



L ← R
PLAN DIRECTION RIGHT TO LEFT

0 10 20
SCALE
1 INCH = 10 FEET





CONCRETE
OR ROCK

ONE I

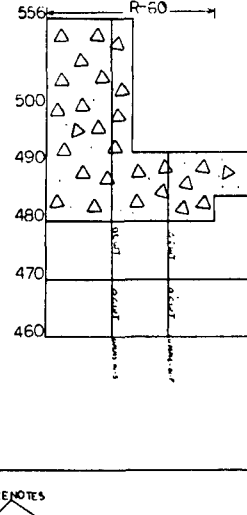
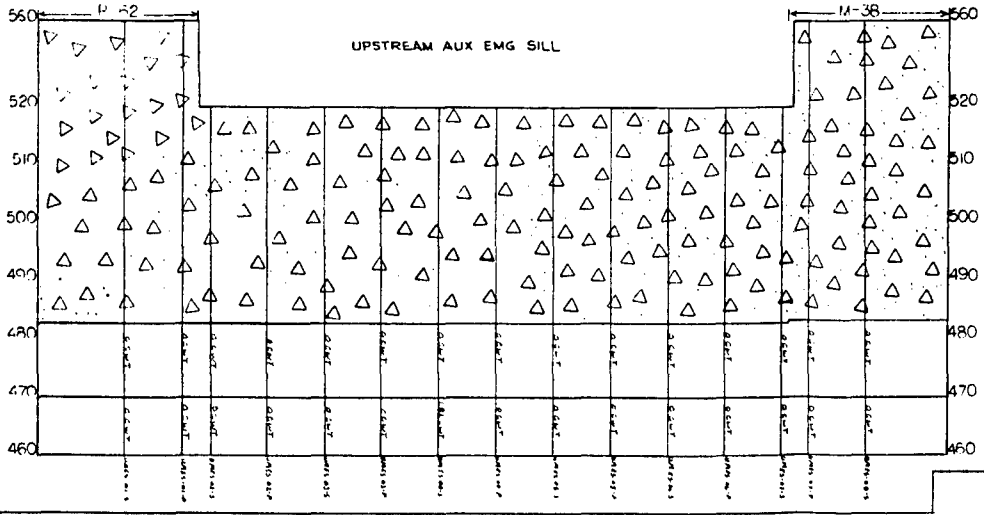
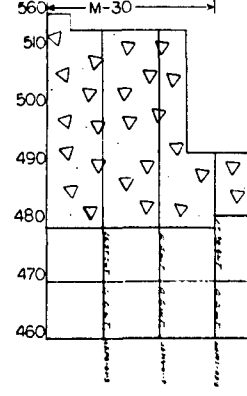
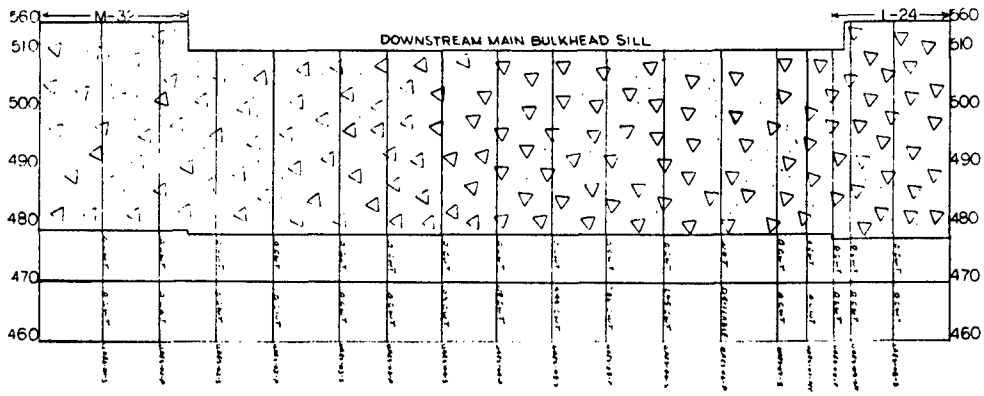
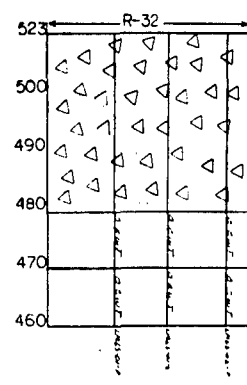
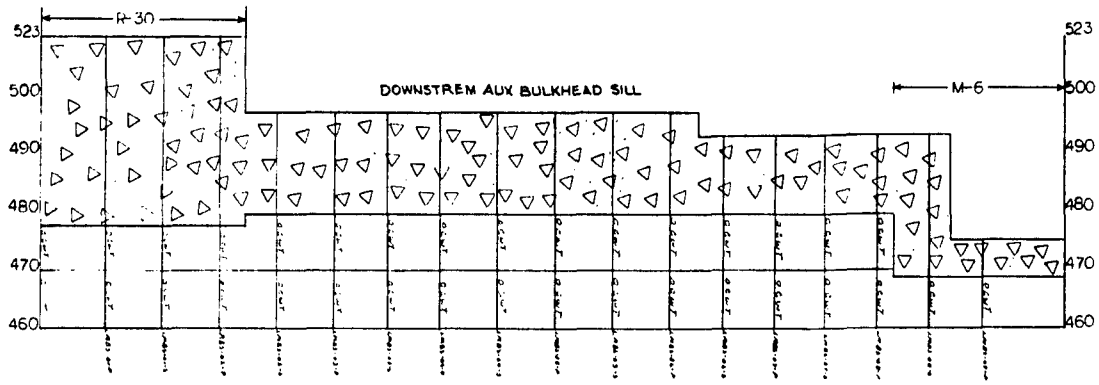
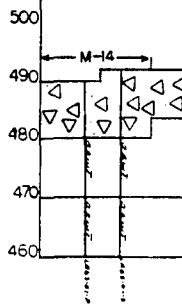
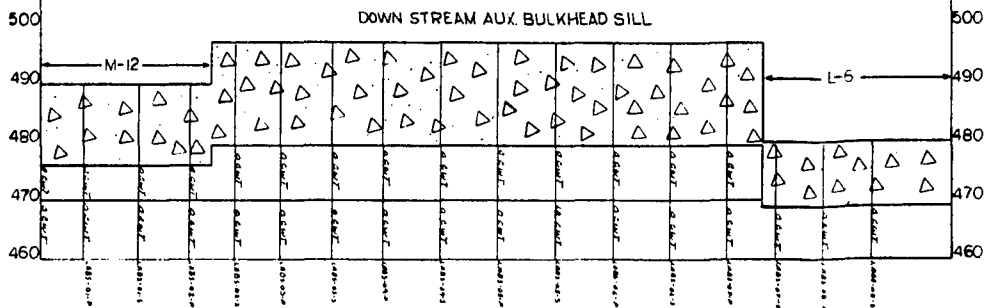
ONE II

TH JOINT

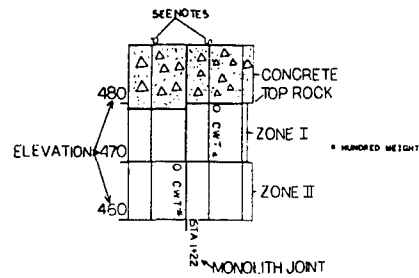
GROUTING NOTES

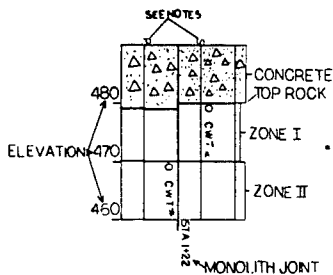
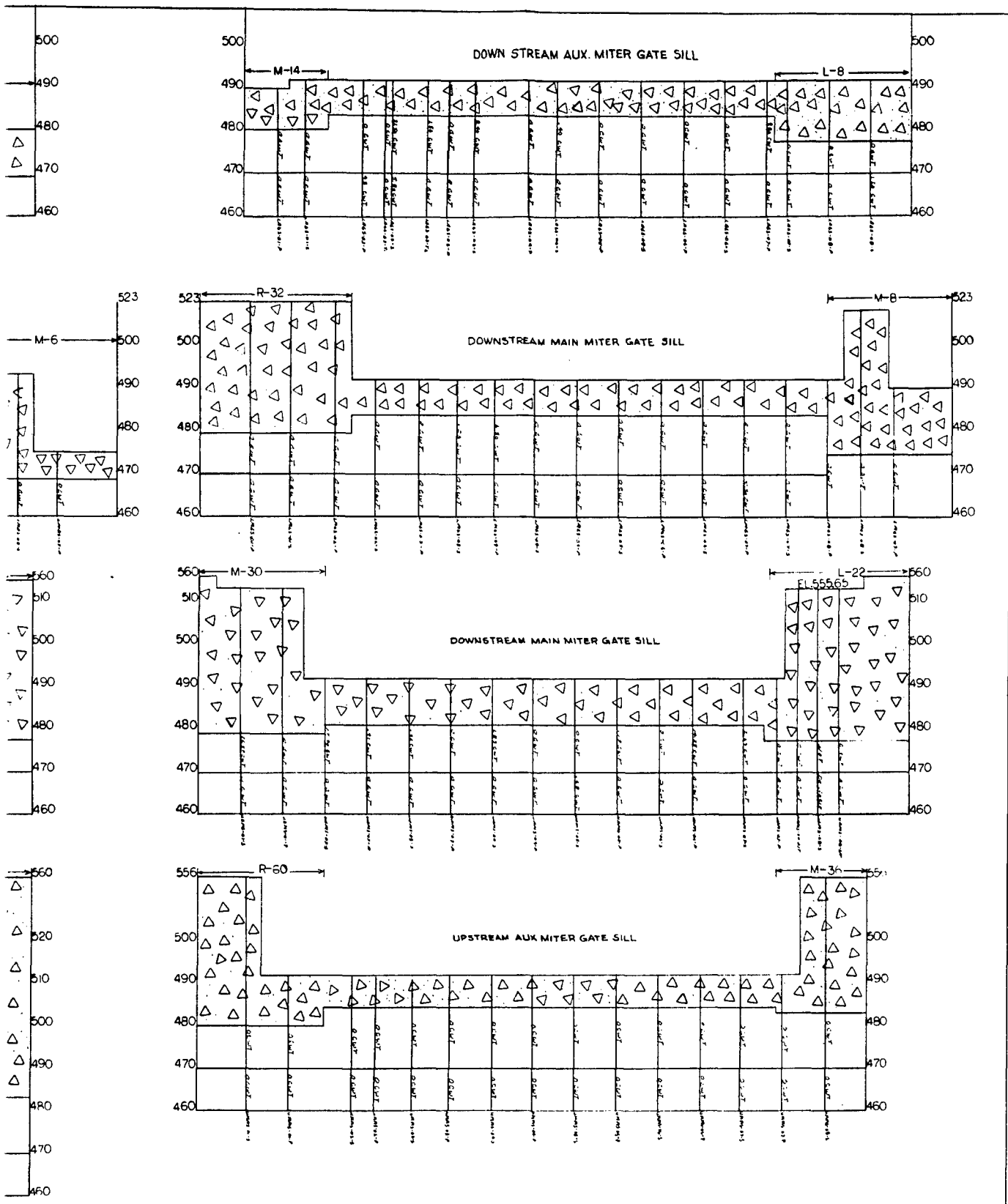
1. ALL HOLES ARE PERFORMED IN THE CONCRETE.
2. MANDATORY PRIMARY AND SECONDARY DRILLING AND GROUTING.
3. TERTIARY DRILLING AND GROUTING, WHEN DETERMINED TO BE NECESSARY.
4. ZONE 1 GROUTING SHALL EXTEND DOWN TO ELEVATION 470. ZONE 2 GROUTING SHALL EXTEND DOWN TO ELEVATION 460.
5. ALL GROUTING INSIDE THE CULVERT WAS DONE FROM ELEVATION 490 OR THE CULVERT INVERT. RIVER GATE BILLS WERE GROUTED FROM ELEVATION 492.
6. R-22-P IS RIVER WALL, 22: THE HOLE NUMBER, P: PRIMARY. R-22-S IS RIVER WALL, 22: THE HOLE NUMBER, S: SECONDARY.

U.S. ARMY DISTRICT HUNTINGTON CORPS OF ENGINEERS HUNTINGTON W. VA.
OHIO RIVER GALLIPOLI LOCK AND DAM LOCKED IN CHINA LAND WALL GROUT SECTION



0 10 20
SCALE
1 INCH = 10 FEET





GROUTING NOTES

- 1). ALL HOLE ARE PREFORMED IN THE CONCRETE.
- 2). PRIMARY PRIMARY AND SECONDARY DRILLING AND GROUTING.
- 3). TERTIARY DRILLING AND GROUTING, WHEN DETERMINED TO BE NECESSARY.
- 4). ZONE 1 GROUTING SHALL EXTEND DOWN TO ELEVATION 470. ZONE 2 GROUTING SHALL EXTEND DOWN TO ELEVATION 460.
- 5). ALL GROUTING INSIDE THE CULVERT WAS DONE FROM ELEVATION 490 OR THE CULVERT INVERT. MITER GATE SILLS WERE GROUTED FROM ELEVATION 492.
- 6). R-22-P IS R4 RIVER WALL, 224 THE HOLE NUMBER, P4 PRIMARY R-22-S IS R4 RIVER WALL, 224 THE HOLE NUMBER, S4 SECONDARY

U.S. ARMY DISTRICT HUNTINGTON
CORPS OF ENGINEERS
DESIGNATION R. 72.

OHIO RIVER
GALLIPOLIS LOCK AND DAM
LOCK 18 CANAL
SILLS
GROUT SECTION