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

U.S. ARMY CORPS OF ENGINEERS
HUNTINGTON DISTRICT
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# Gallipolis Lock Replacement

Ohio River Basin
Mason County W.V.

Foundation Report
Volume 2 Foundation Drawings

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(Main and Auxiliary Locks)
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

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<td>Bd.</td>
<td>Bed(ded)(ing)</td>
<td>Hor.</td>
<td>Horizontal(ly)</td>
<td>Rt.</td>
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<td>Black</td>
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<td>Bkn.</td>
<td>Broken</td>
<td>Intbd.</td>
<td>Interbedded</td>
<td>Sa.</td>
<td>Sandy</td>
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<td>Bou.</td>
<td>Boulder(s)</td>
<td>Irr.</td>
<td>Irregular</td>
<td>Scat.</td>
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<td>Br.</td>
<td>Brown</td>
<td>Coarse</td>
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<td>C.</td>
<td>C.</td>
<td>Little</td>
<td>Sh.</td>
<td>Shaly</td>
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<td>Cal.</td>
<td>Calcareous</td>
<td>Las.</td>
<td>Laminat(ions)(ed)</td>
<td>Sm.</td>
<td>Small</td>
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<td>Carb.</td>
<td>Carbonaceous</td>
<td>Lay.</td>
<td>Layer(s)</td>
<td>So.</td>
<td>Some</td>
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<tr>
<td>Cl.</td>
<td>Clayey</td>
<td>Lg.</td>
<td>Large</td>
<td>Sta.</td>
<td>Stain(ed)</td>
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<td>Comp.</td>
<td>Compaction</td>
<td>Lt.</td>
<td>Light</td>
<td>Stf.</td>
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<td>Conc.</td>
<td>Concretion</td>
<td>M.</td>
<td>Moderately</td>
<td>Stks.</td>
<td>Streak(s)</td>
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<td>Cong</td>
<td>Conglomeratic</td>
<td>Ma.</td>
<td>Many</td>
<td>Sty.</td>
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<td>Dia.</td>
<td>Diameter</td>
<td>Mat.</td>
<td>Material</td>
<td>Thr.</td>
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<td>Disc</td>
<td>Discontinuous</td>
<td>Mic.</td>
<td>Micaceous</td>
<td>Tk.</td>
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<td>Dk.</td>
<td>Dark</td>
<td>Mos.</td>
<td>Mostly</td>
<td>Tr.</td>
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<tr>
<td>Dn.</td>
<td>Dense</td>
<td>Mot.</td>
<td>Mottled</td>
<td>Ve.</td>
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<td>Dmp.</td>
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<td>Mot.</td>
<td>Moist</td>
<td>Ver.</td>
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<td>F.</td>
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<td>Mtx.</td>
<td>Matrix</td>
<td>Vu.</td>
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<td>Fer.</td>
<td>Ferruginous</td>
<td>Nod.</td>
<td>Nodule(s)</td>
<td>W.</td>
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<td>Fis.</td>
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<td>Num.</td>
<td>Numerous</td>
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<tr>
<td>Fil.</td>
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<td>O.</td>
<td>Open</td>
<td>W.C.</td>
<td>Water Content</td>
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<td>Frac.</td>
<td>Fracture(d)</td>
<td>Org.</td>
<td>Organic</td>
<td>Xbd.</td>
<td>Cross Bedded</td>
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<td>Frags.</td>
<td>Fragment(s)(al)</td>
<td>Part.</td>
<td>Particle(s)</td>
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<td>Fri.</td>
<td>Friable</td>
<td>Pl.</td>
<td>Plastic</td>
<td>Zo.</td>
<td>Zone</td>
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<td>F.W.</td>
<td>Free Water</td>
<td>Peb.</td>
<td>Pebble(s)</td>
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## Symbols

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<td>Conglomerate</td>
<td>CONG.</td>
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<td>Shale</td>
<td>SLS.</td>
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<td>Indurated Clay</td>
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<td>Dolomite</td>
<td>DO.</td>
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## 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 fingernail
- **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 21
U.S. Army Corps of Engineers

Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
River Wall Monolith 24
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
River Wall Monolith 26
Step Down 71/2 ft

East Side Wall

West Side Wall

5/4/75

0

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U.S. Army Corps of Engineers
Galipolis Lock and Dam
Foundation drawing
River Wall Monolith
U.S. Army Corps of Engineers

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

EAST SIDE WALL

U.S. Army Corps of Engineers

Gallipolis Lock and Dam
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River Wall Monolith 30
Gallipolis Lock and Dam
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WEST SIDE WALL

EAST SIDE WALL

U.S. Army Corps of Engineers
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River Wall Monolith 35

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WEST SIDE WALL

EAST SIDE WALL

U.S. Army Corps of Engineers
Gallipolis Lock and Dam
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WEST SIDE WALL

EAST SIDE WALL

U.S. Army Corps of Engineers

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Gallipolis Lock and Dam
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U.S. Army Corps of Engineers

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

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WEST SIDE WALL

EAST SIDE WALL

U.S. Army Corps of Engineers
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WEST SIDE WALL

EAST SIDE WALL

U.S. Army Corps of Engineers
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WEST SIDE WALL

EAST SIDE WALL

U.S. Army Corps of Engineers

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EAST SIDE WALL

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EAST SIDE WALL

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WEST SIDE WALL

EAST SIDE WALL
WEST SIDE WALL

EAST SIDE WALL

U.S. Army Corps of Engineers
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EAST SIDE WALL

U.S. Army Corps of Engineers

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EAST SIDE WALL
West Side Wall

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Gallipolis Lock and Dam
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U.S. Army Corps of Engineers

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WEST SIDE WALL

EL 500

EL 490

EL 480

(2) sh
(6) Inc
(3) sh/ss
(4) c1
(5) ss

EAST SIDE WALL

EL 500

EL 490

EL 480

U.S. Army Corps of Engineers
Gallipolis Lock and Dam
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Gallipolis Lock and Dam
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Land Wall Monolith 23

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EAST SIDE WALL

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Blast Holes

Blast Holes

Ed Po

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Outlet Conduit

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Foundation Drawing
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Foundation Drawing
Outlet Conduit
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Main Lock Sill
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Main Lock Sill
Gallipolis Lock and Dam
Lock in Canal
Foundation drawing
Main Lock Sill
Gallipolis Lock and Dam
Lock in Canal
Foundation Drawing
Auxiliary Lock Sill
Lock in Canal

Foundation Drawing

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