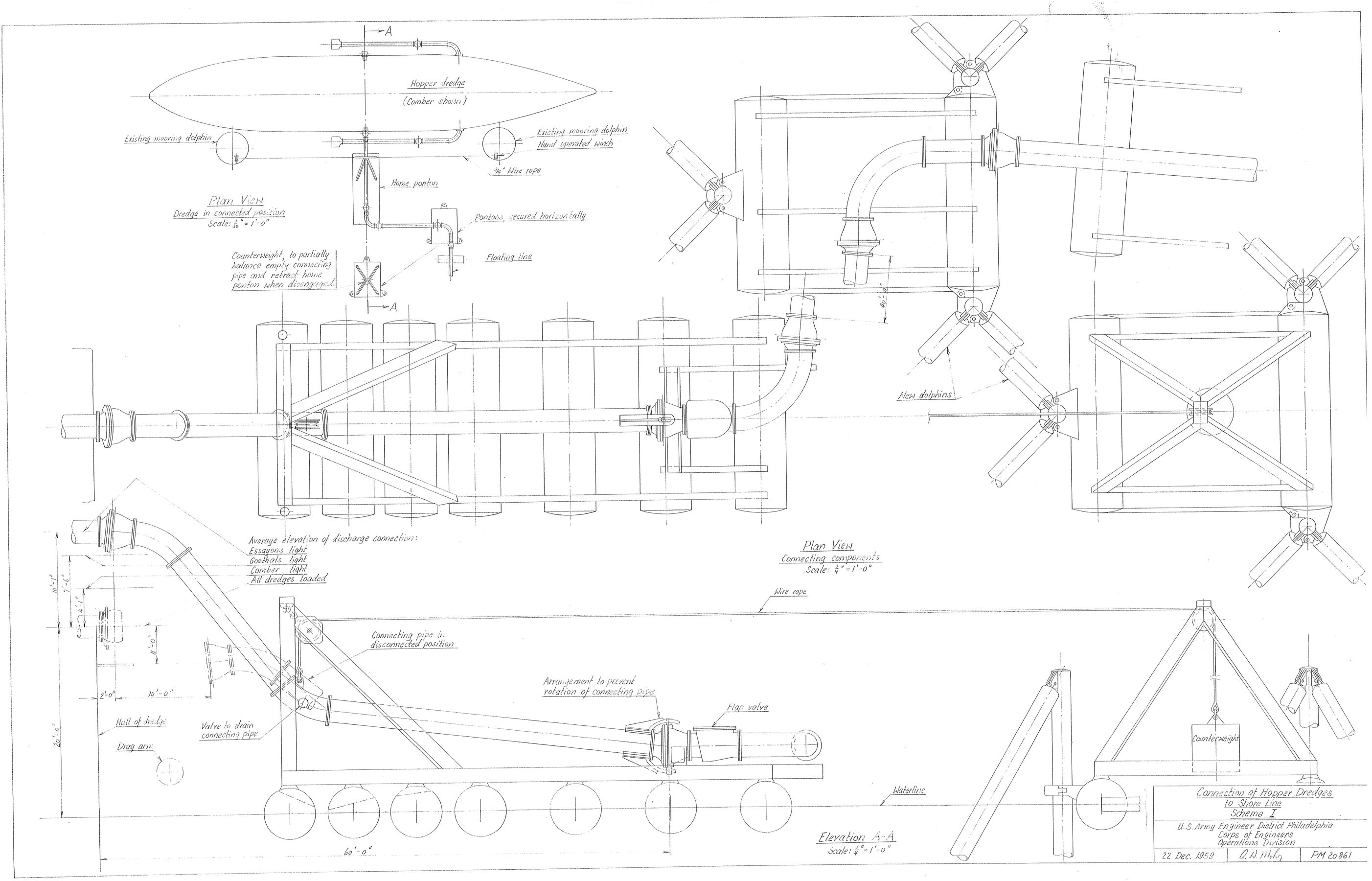
A
Hopper dredge
(Comber shown)
Existing mooring dolphin
Existing mooring dolphin
Hand operated winch
3/4" Wire rope
Home ponton
Plan View
Dredge in connected position
Scale: 1/30" = 1'-0"
Pontons, secured horizontally
Floating line
Counterweight, to partially balance empty connecting pipe and retract home ponton when disengaged
A
New dolphins
Plan View
Connecting components
Scale: 1/4" = 1'-0"
Average elevation of discharge connection:
Essayons light
Goethals light
Comber light
All dredges loaded
Wire rope
Connecting pipe in disconnected position
Arrangement to prevent rotation of connecting pipe
Flap valve
Hull of dredge
Drag arm
Valve to drain connecting pipe
Waterline
Counterweight
Elevation A-A
Scale: 1/4" = 1'-0"
Connection of Hopper Dredges to Shore Line
Scheme I
U.S. Army Engineer District Philadelphia
Corps of Engineers
Operations Division
22 Dec. 1959
PM 20861