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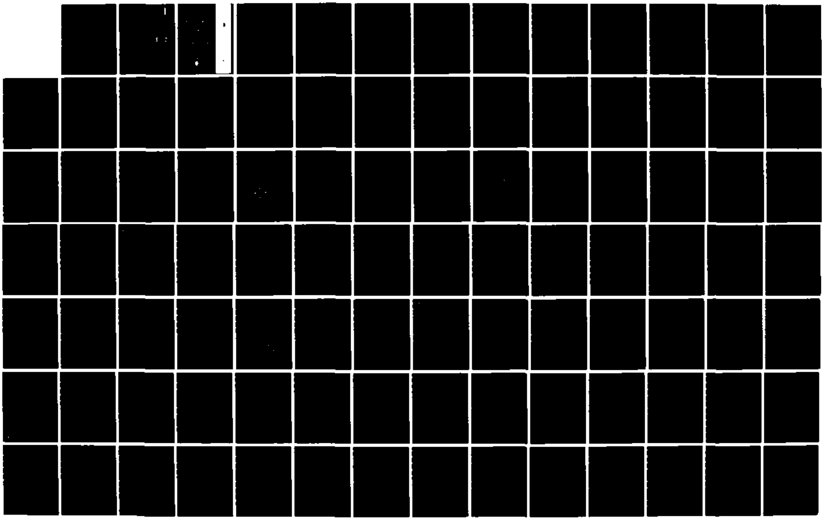

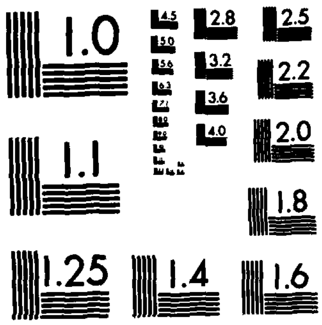

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REGIONAL PETROLEUM RESERVE EAST COAST

VOLUME II

POTENTIAL STORAGE SITES CONCEPT DESIGN

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19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

PETROLEUM PRODUCTS	RESERVES(ENERGY)	SITE SELECTION
STORAGE	FUEL OIL	NEW ENGLAND
NEW YORK	NEW JERSEY	

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

VOLUME I PRESENTS A DETAILED DESCRIPTION OF THE PROCEDURES AND RESULTS OF A SITE IDENTIFICATION AND EVALUATION PROCESS UNDERTAKEN IN SUPPORT OF THE REGIONAL AND NONCONTIGUOUS PETROLEUM RESERVE (RPR) PROPOSAL. THE CRITICAL FACTORS AND RATING GUIDANCE USED FOR INITIAL SCREENING ARE DESCRIBED IN APPENDIX B. POTENTIAL SITES, ACCEPTED DURING THE INITIAL SCREENING, WERE SUBJECTED TO A FINAL SCREENING WHERE THEY WERE POINT-SCORED ON THE BASIS OF AN EVALUATION OF SPECIFIC CHARACTERISTICS. THE SCORING SYSTEM, AS ESTABLISHED

BY THE REVIEW AND SUMMATION TEAM, IS DESCRIBED IN APPENDIX C. SITE SCORES AND RANKING UNDER EACH OF THE THREE STORAGE MEDIA ARE SHOWN IN APPENDIX D.

VOLUME II PROVIDES CONCEPTUAL DESIGN DRAWINGS, CONSTRUCTION COST ESTIMATES, AND A LIFE CYCLE COST ECONOMIC ANALYSIS CONDUCTED TO IDENTIFY, AND QUANTIFY, UNIQUE ECONOMIC ADVANTAGES THAT MAY BE ATTRIBUTABLE TO THE CANDIDATE SITES.

VOLUME III PROVIDES THREE RELATED ENGINEERING STUDIES: (1) DEVELOPMENT OF CONDUCTIVE AND CONVECTIVE HEAT TRANSFER CONCEPTS FOR NO. 6 RESIDUAL OIL. (2) FEASIBILITY OF HEATING RESIDUAL OIL STORAGE FACILITIES WITH SOLAR ENERGY. (3) AN ANALYSIS ON LEASE VS PURCHASE OF STORAGE FACILITIES.

HNDTR-80-45-SP

EAST COAST

REGIONAL PETROLEUM RESERVE
(RPR)

VOLUME II

POTENTIAL STORAGE SITES
CONCEPT DESIGN

Prepared by

US Army Corps of Engineer
Huntsville Division

30 September 1980

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FOREWORD

Identification and evaluation of potential storage sites for the Regional Petroleum Reserve were completed and submitted to DOE in May 1980 as Volume I of a 3-volume set. In support of Volume I, concept designs, construction cost estimates, and life cycle costs have been prepared and comprise Volume II. Volume III contains three related engineering studies:

(1) Development of conductive and convective heat transfer concepts for No. 6 residual oil

(2) Feasibility of heating residual oil storage facilities with solar energy

(3) An analysis on lease vs purchase of storage facilities

CHAPTER 1

CONCEPTUAL DESIGN DRAWINGS

FOR

POTENTIAL STORAGE SITES

CORPS OF ENGINEERS U.S. ARMY

REGIONAL AND NONCONTIGUOUS PETROLEUM RESERVE STORAGE PROJECT (RPR) EAST COAST CANDIDATE SITES CONCEPTUAL DESIGN DRAWINGS

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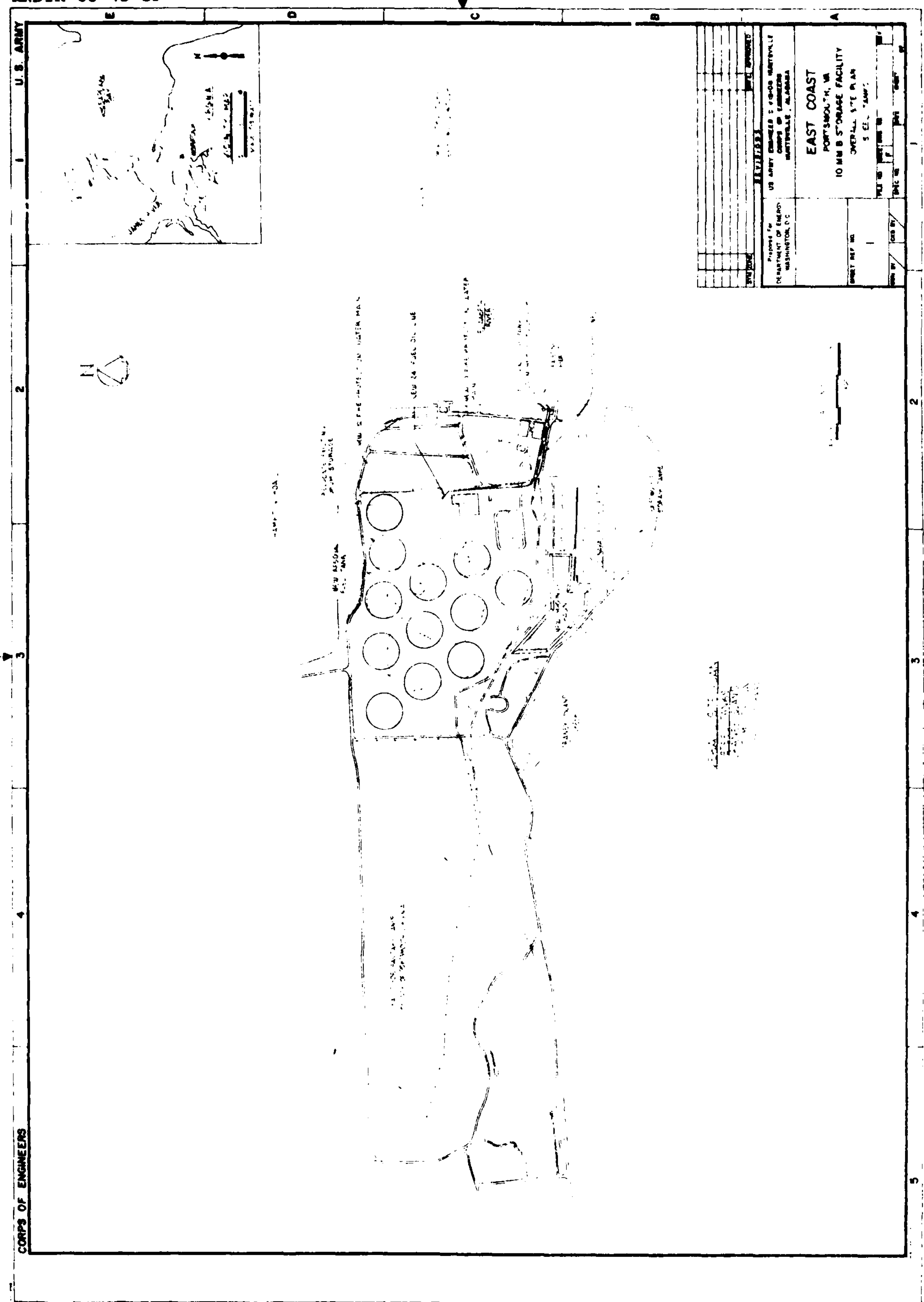
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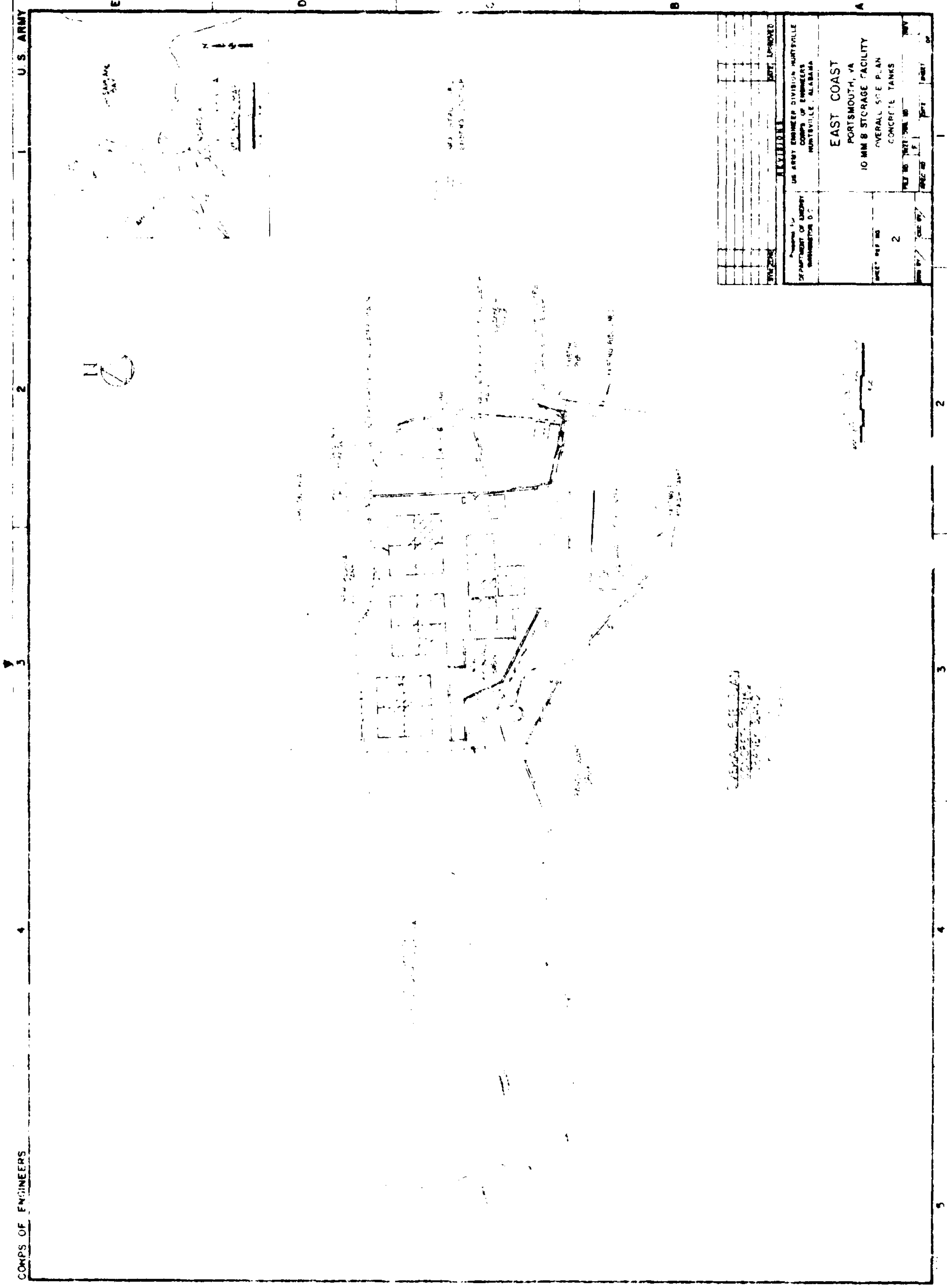
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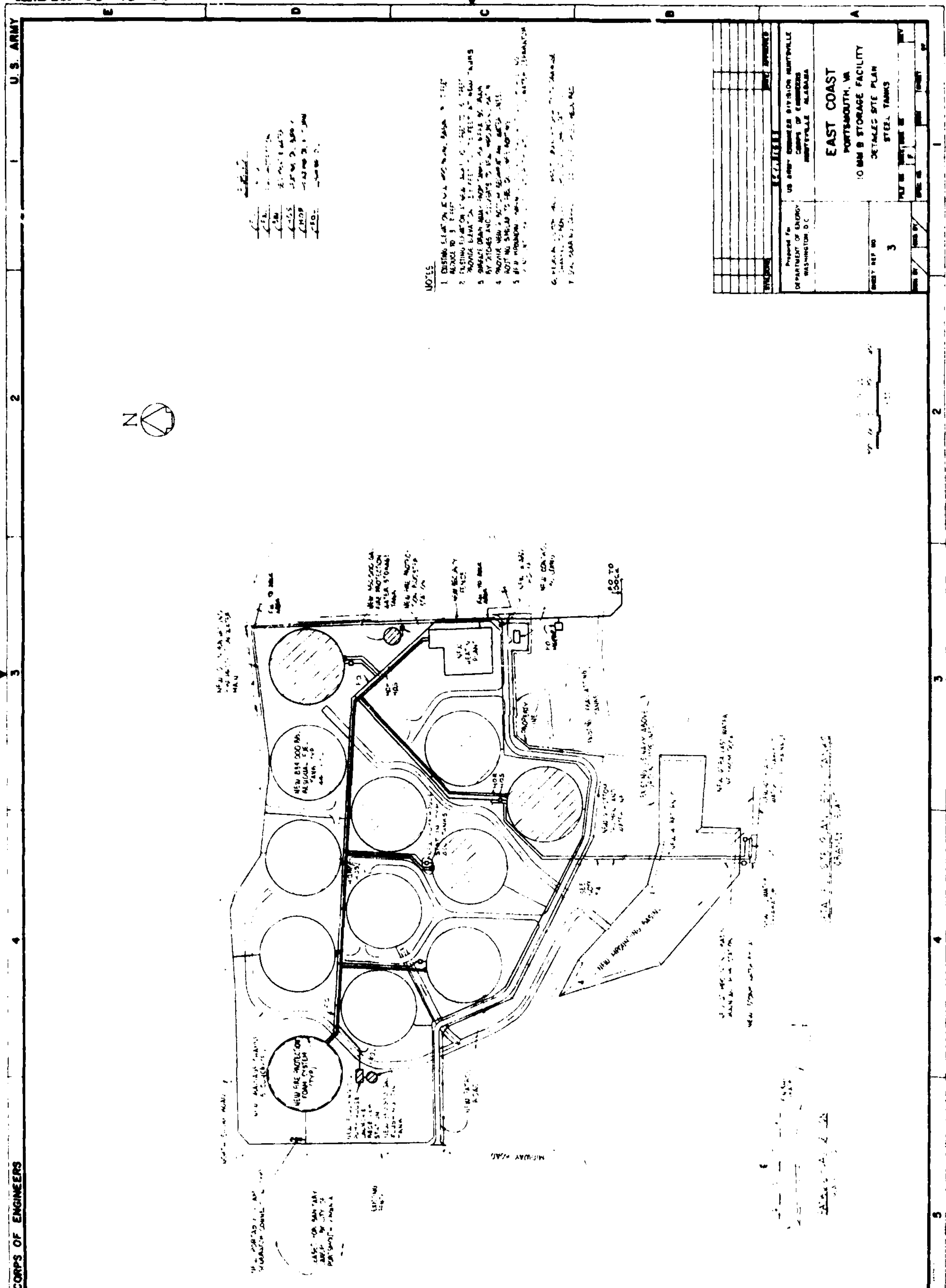
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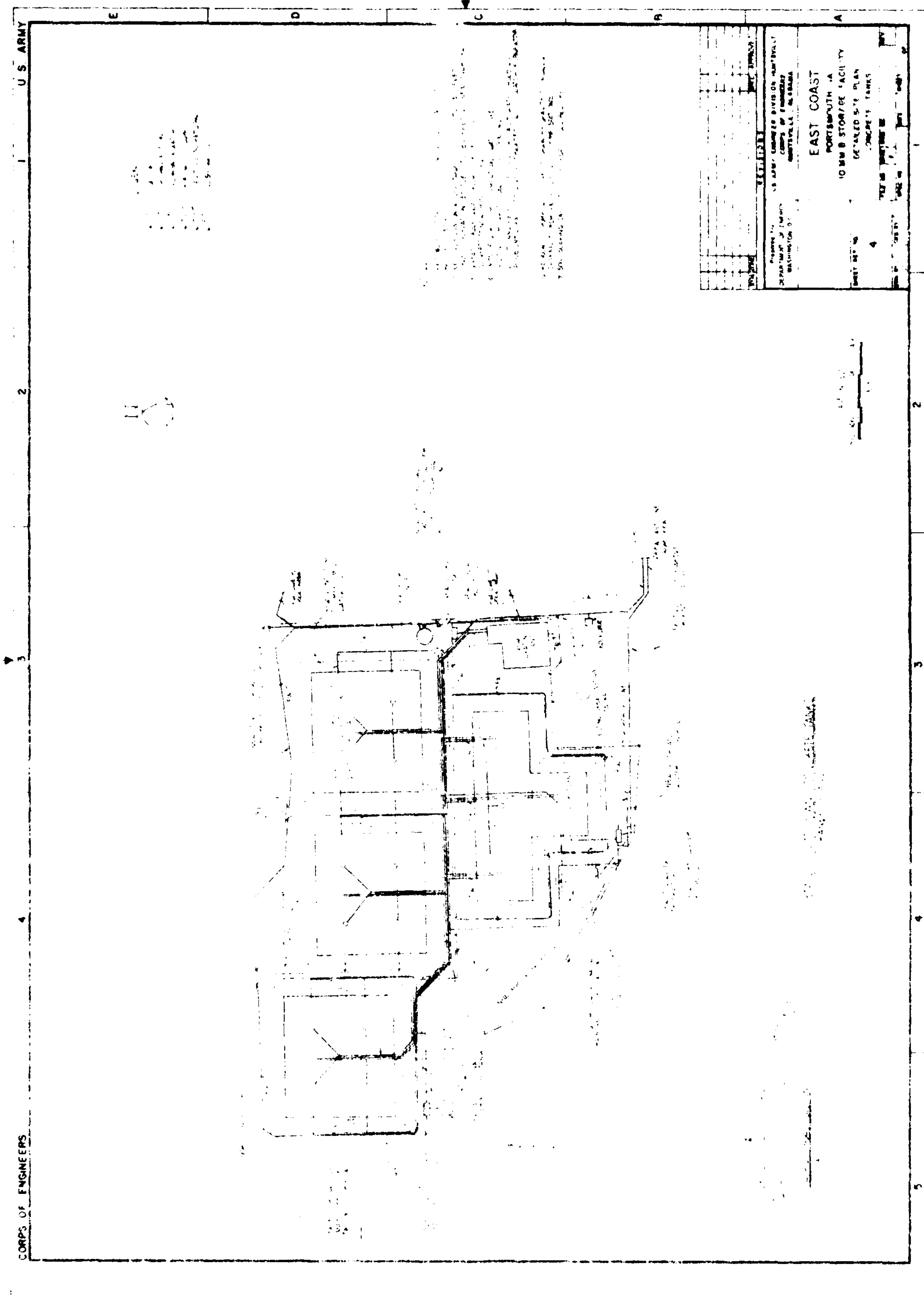
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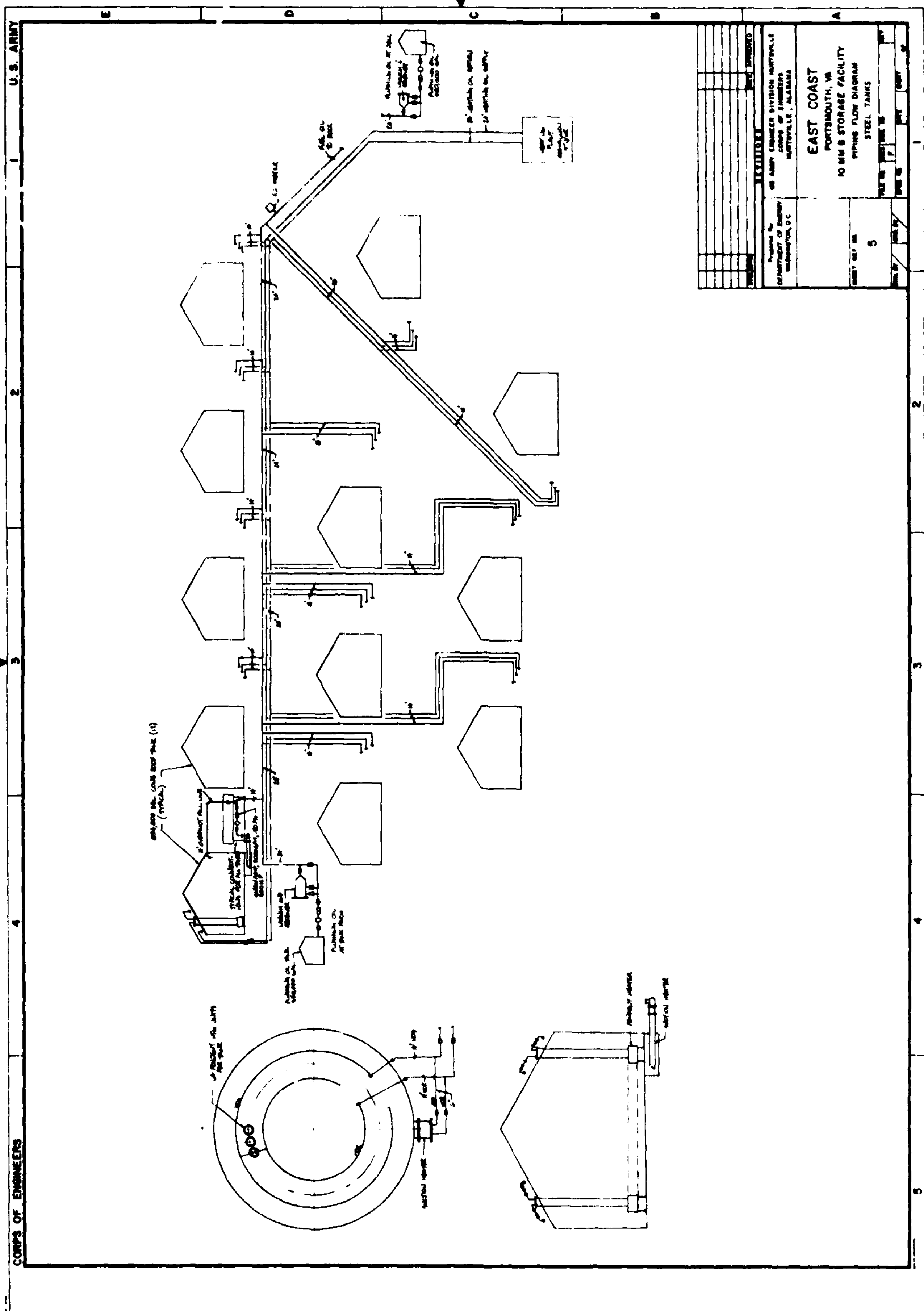
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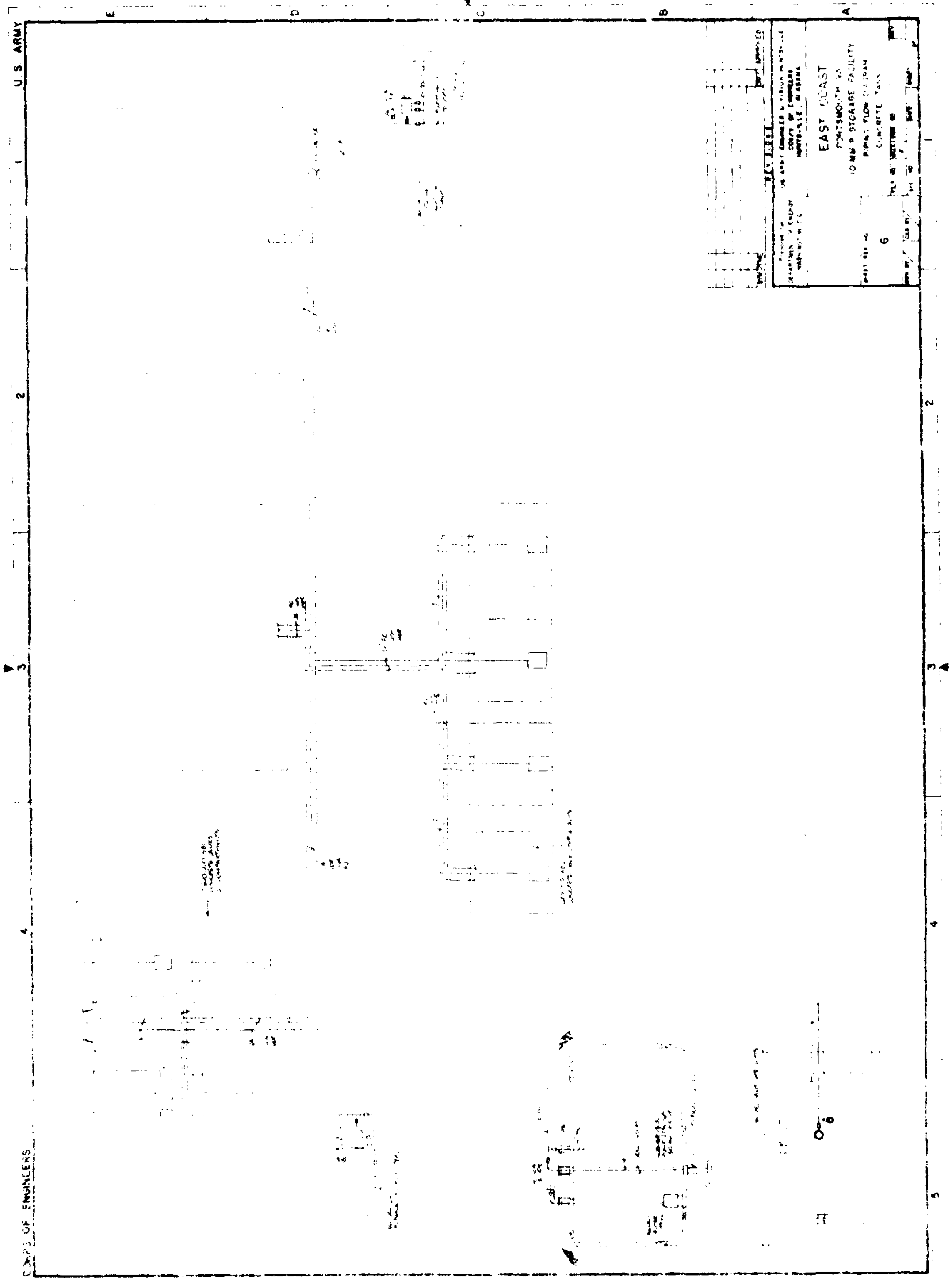
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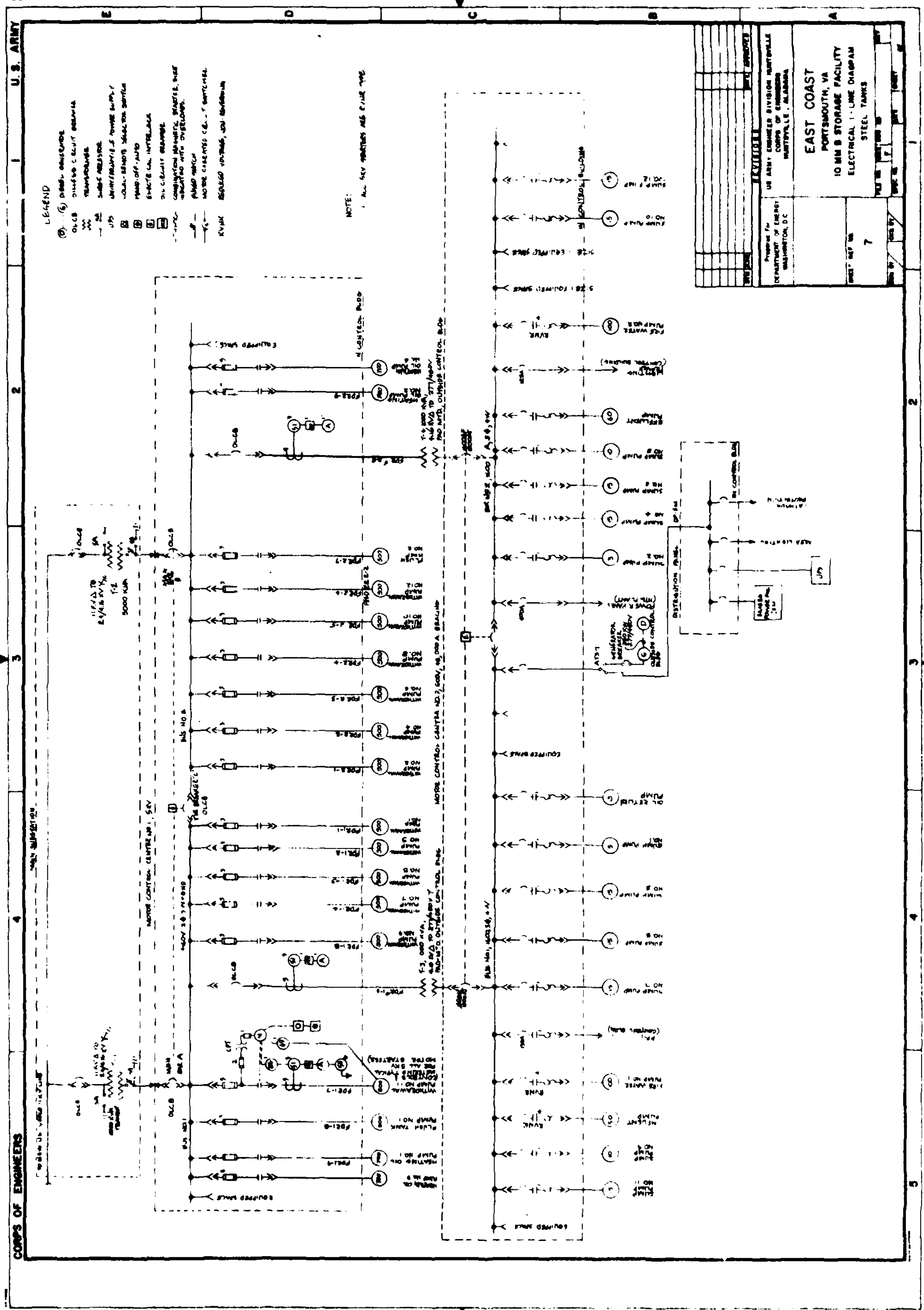
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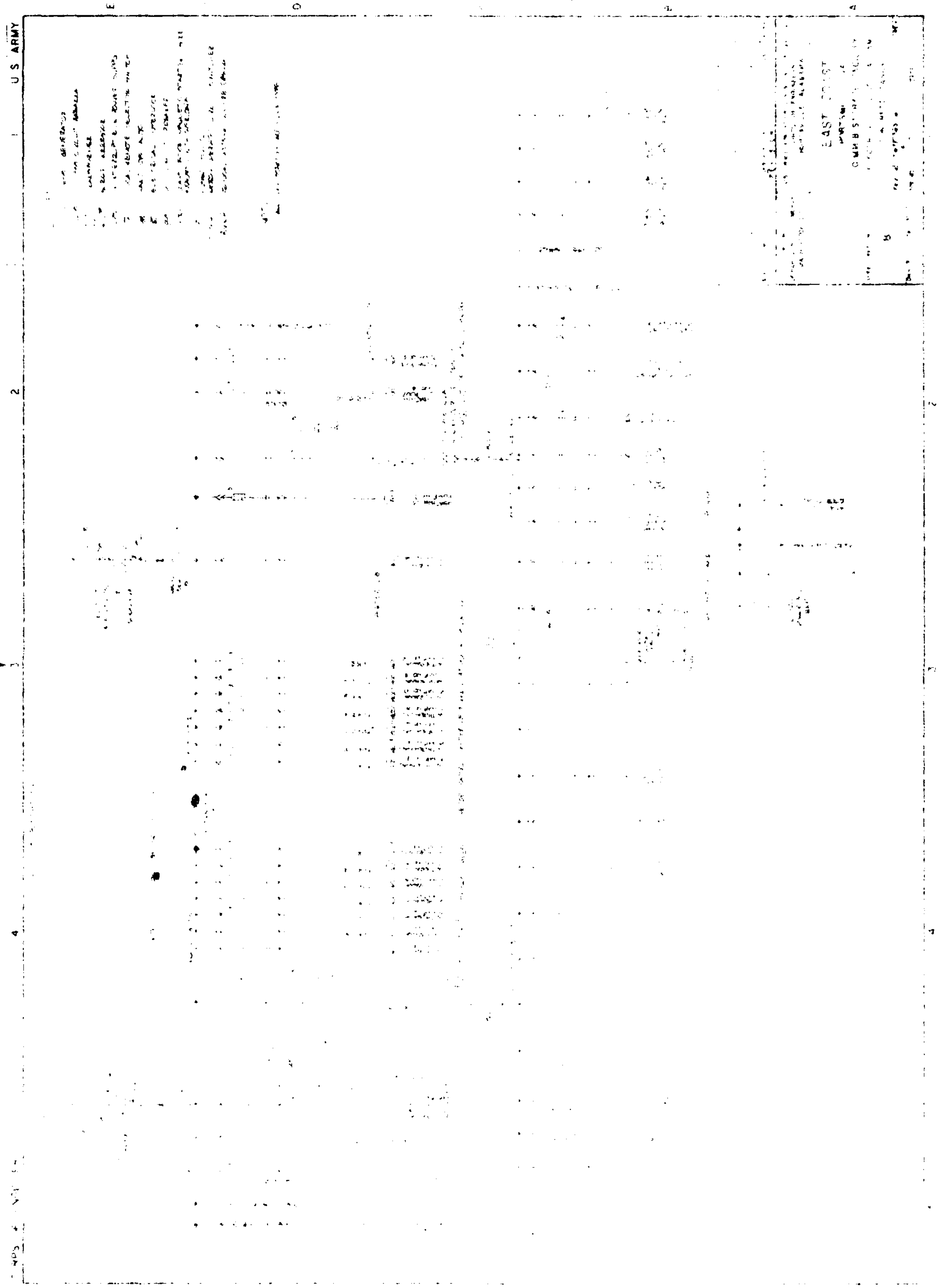
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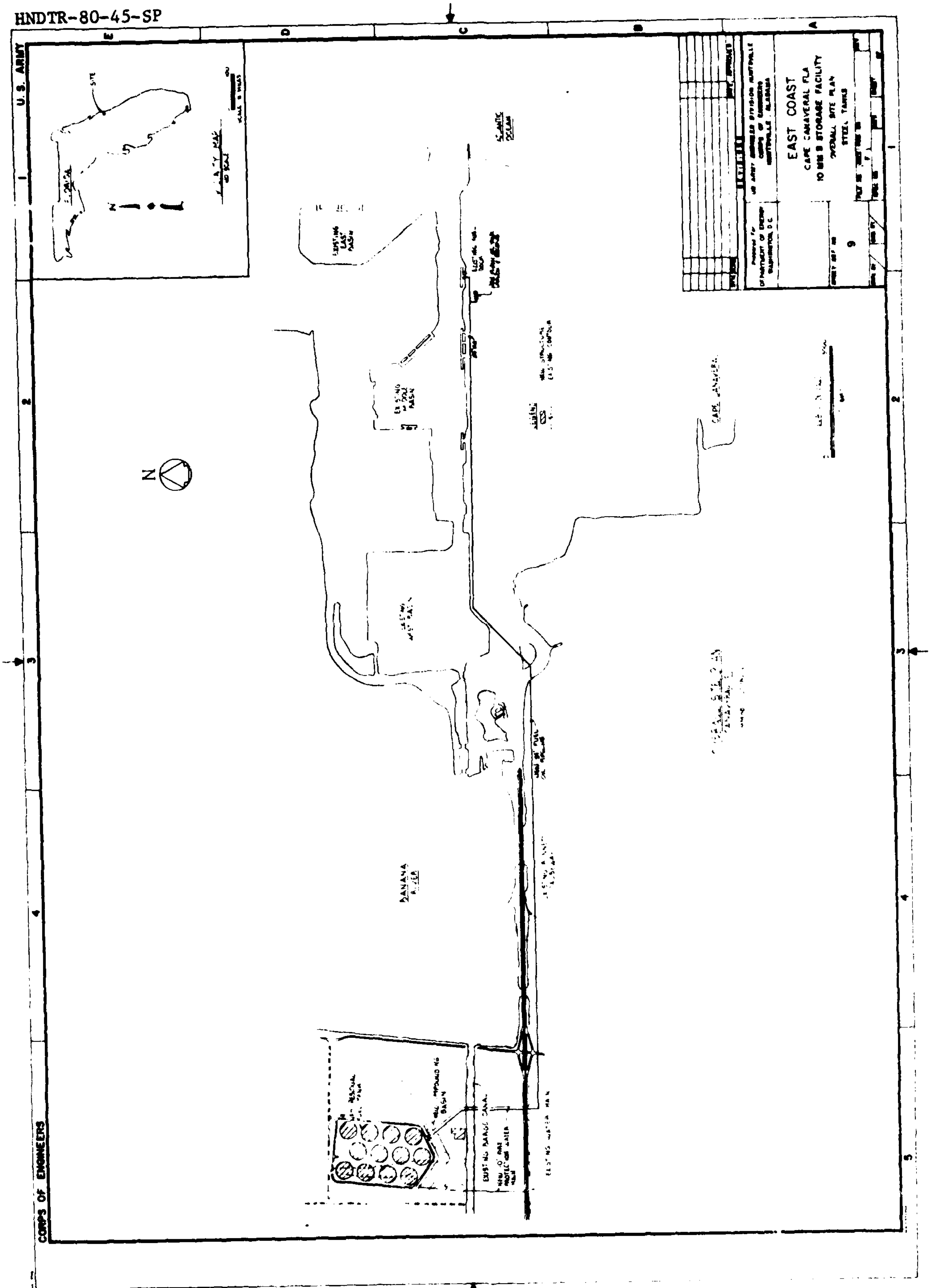
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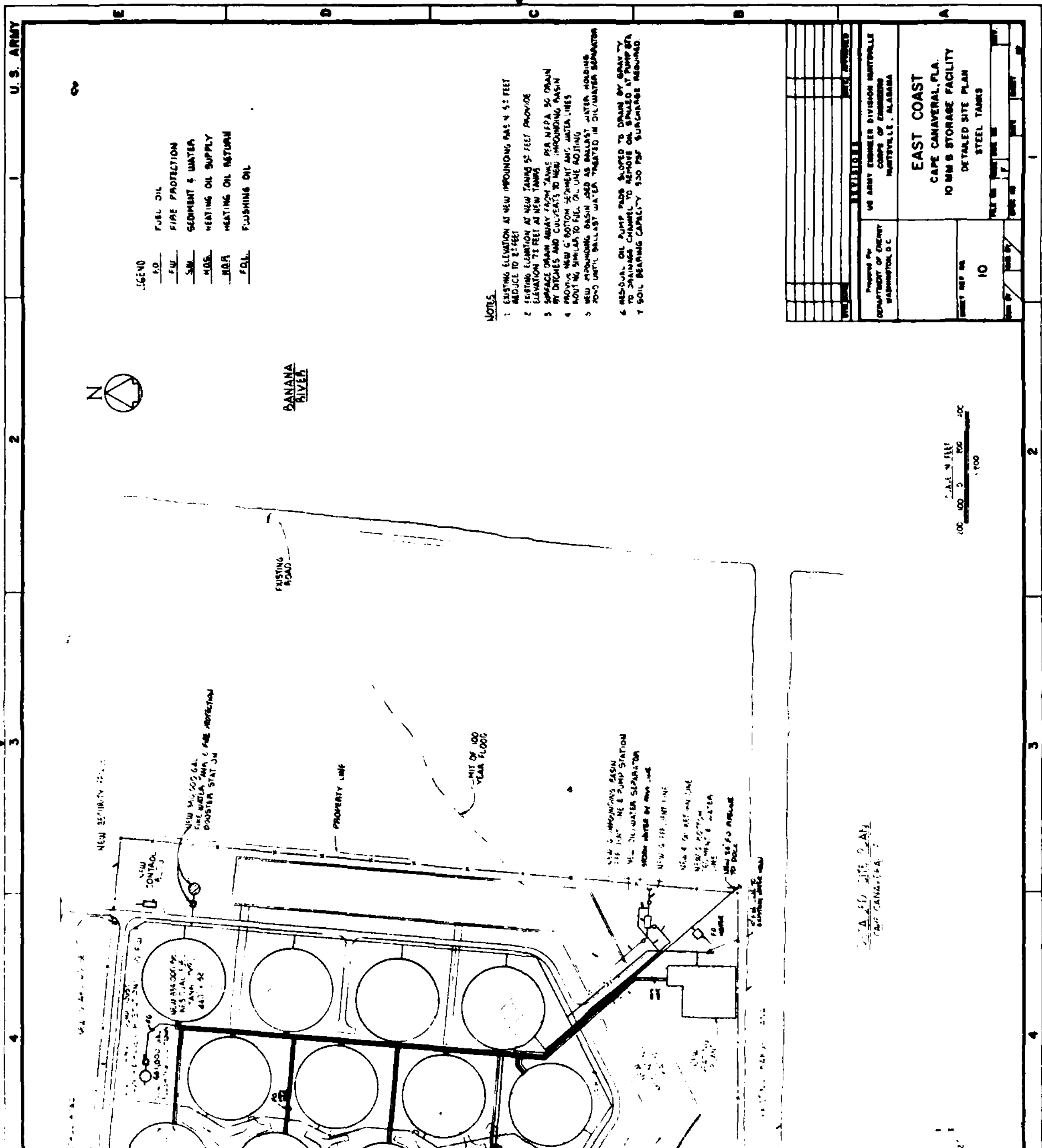
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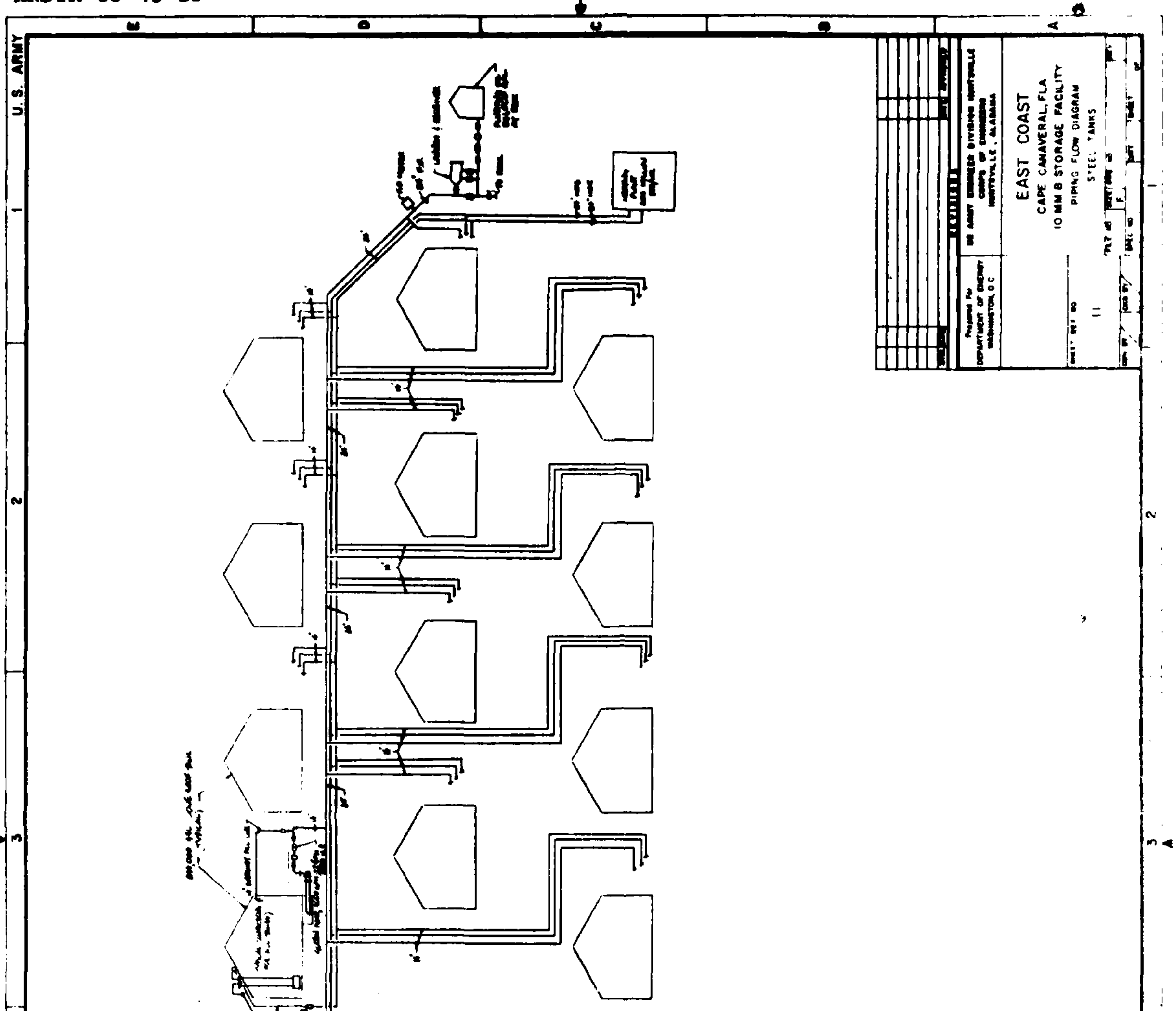
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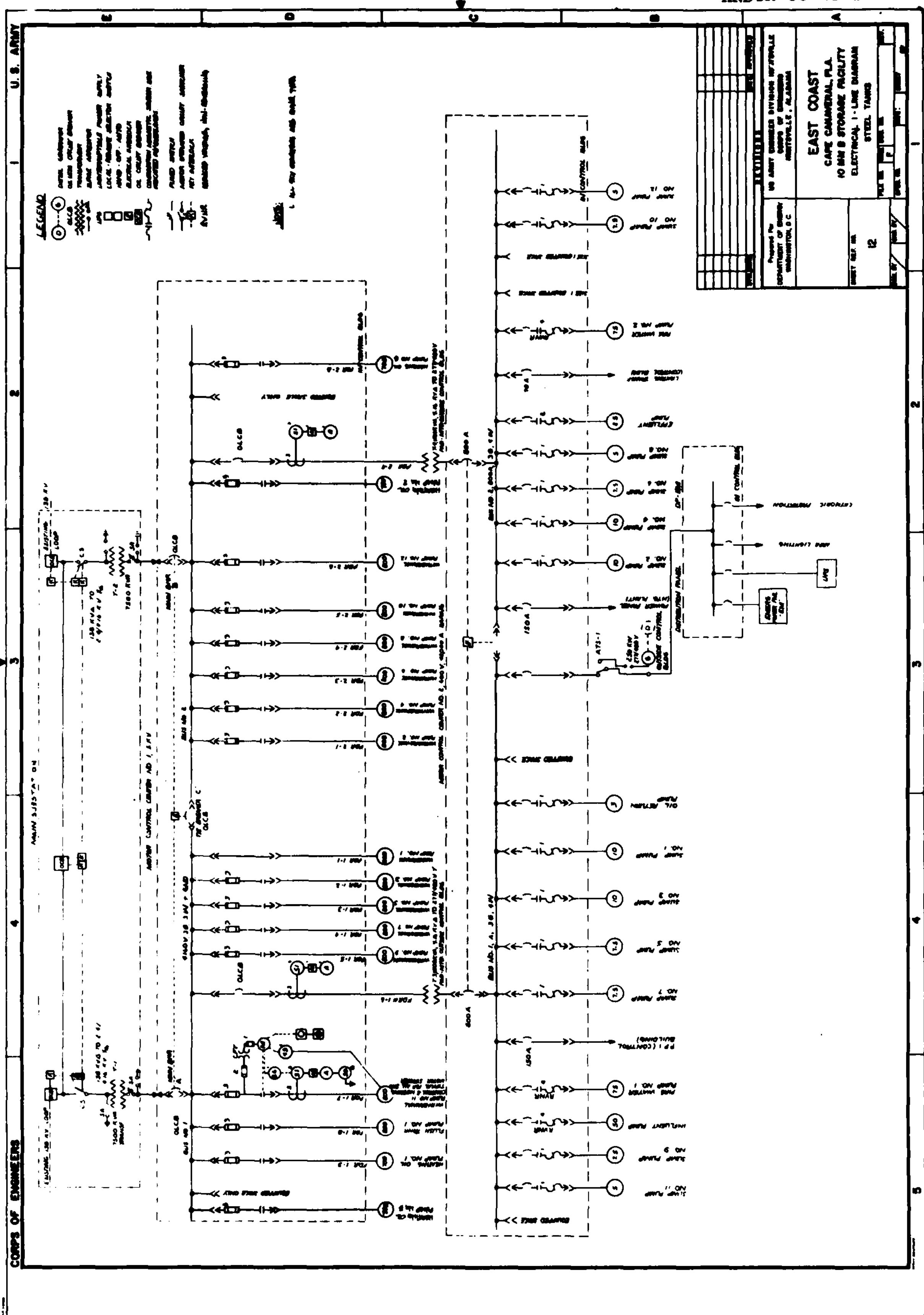
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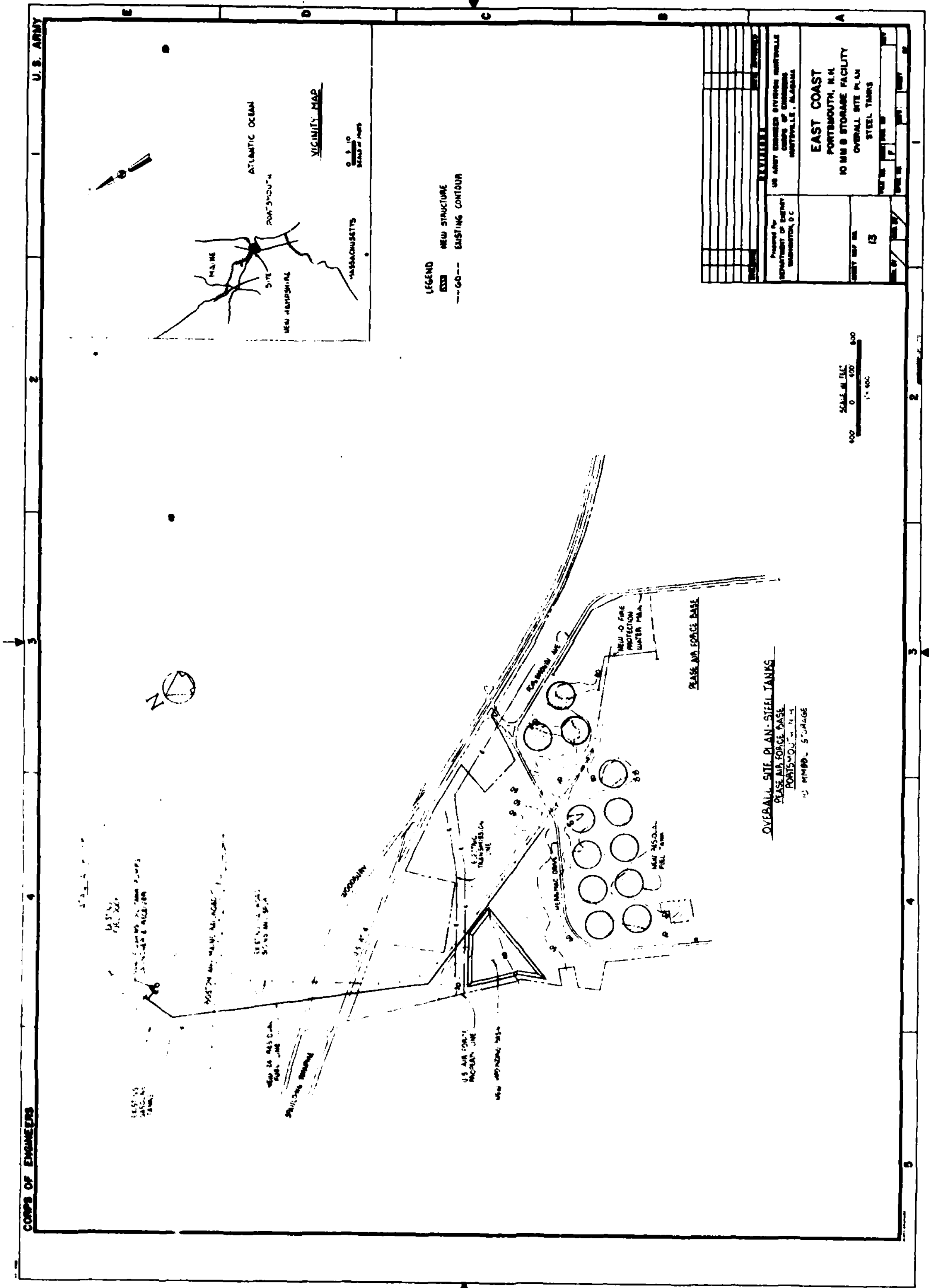
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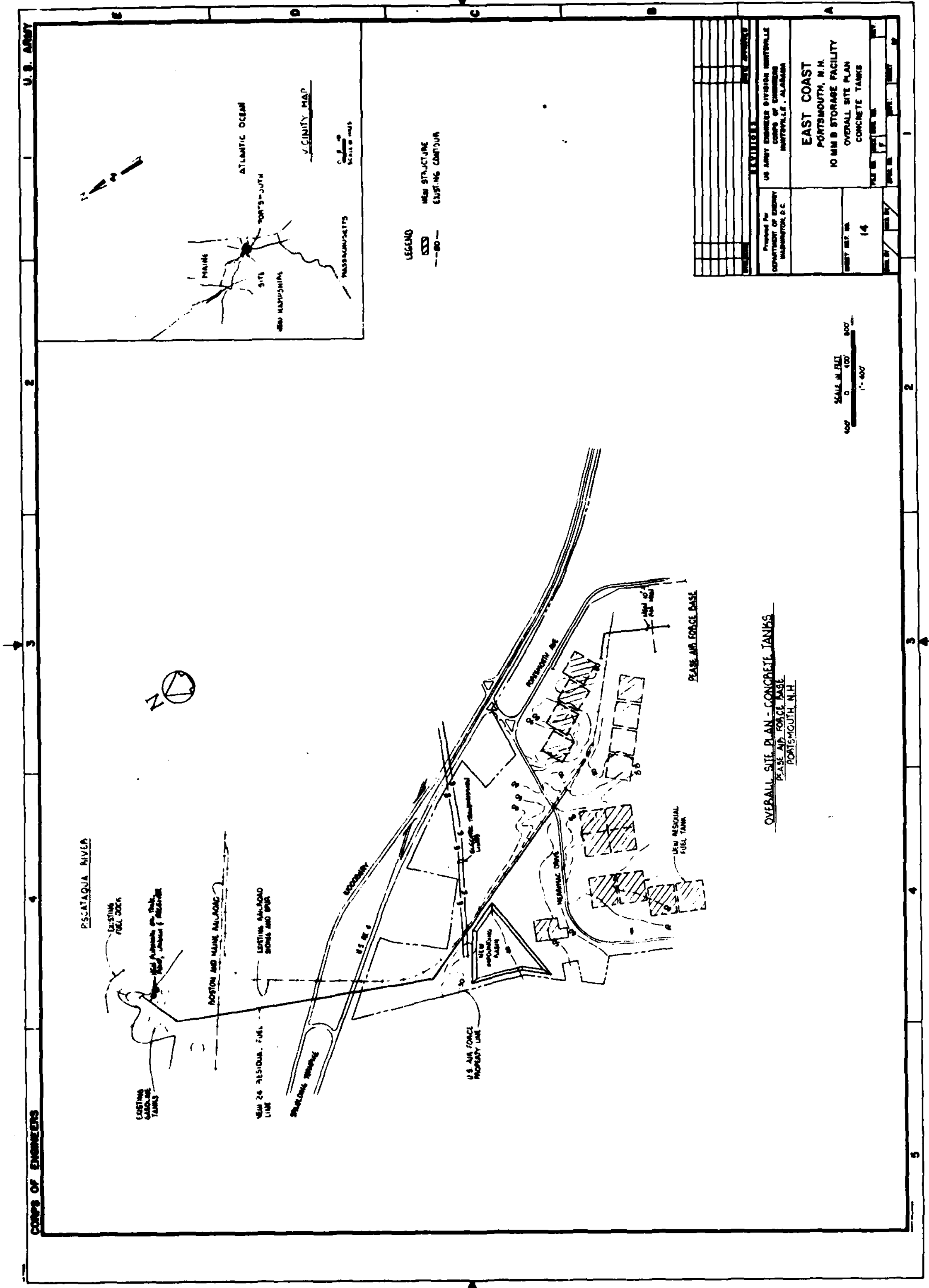
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400' 0 400' 800'
1"= 400'
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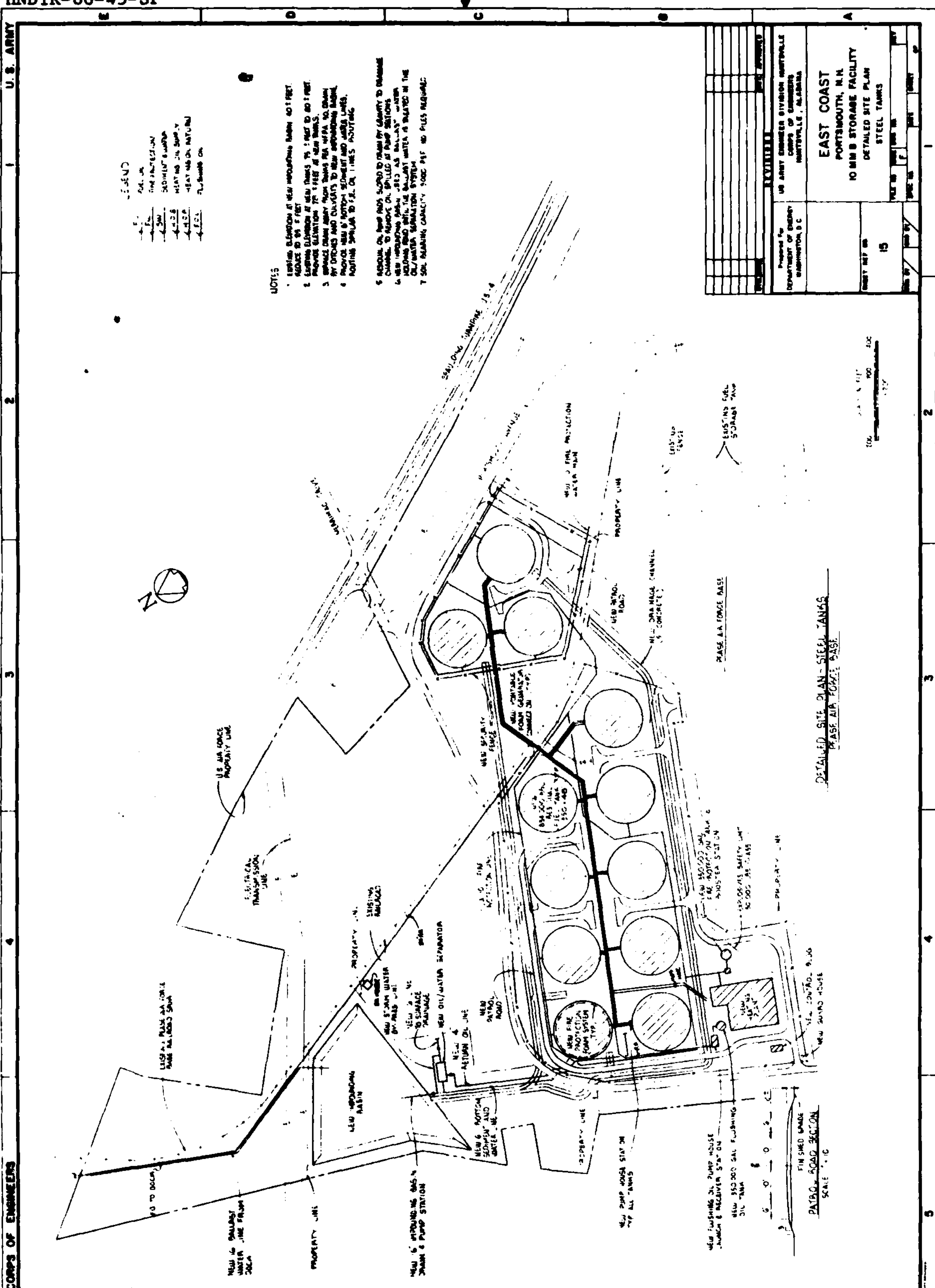
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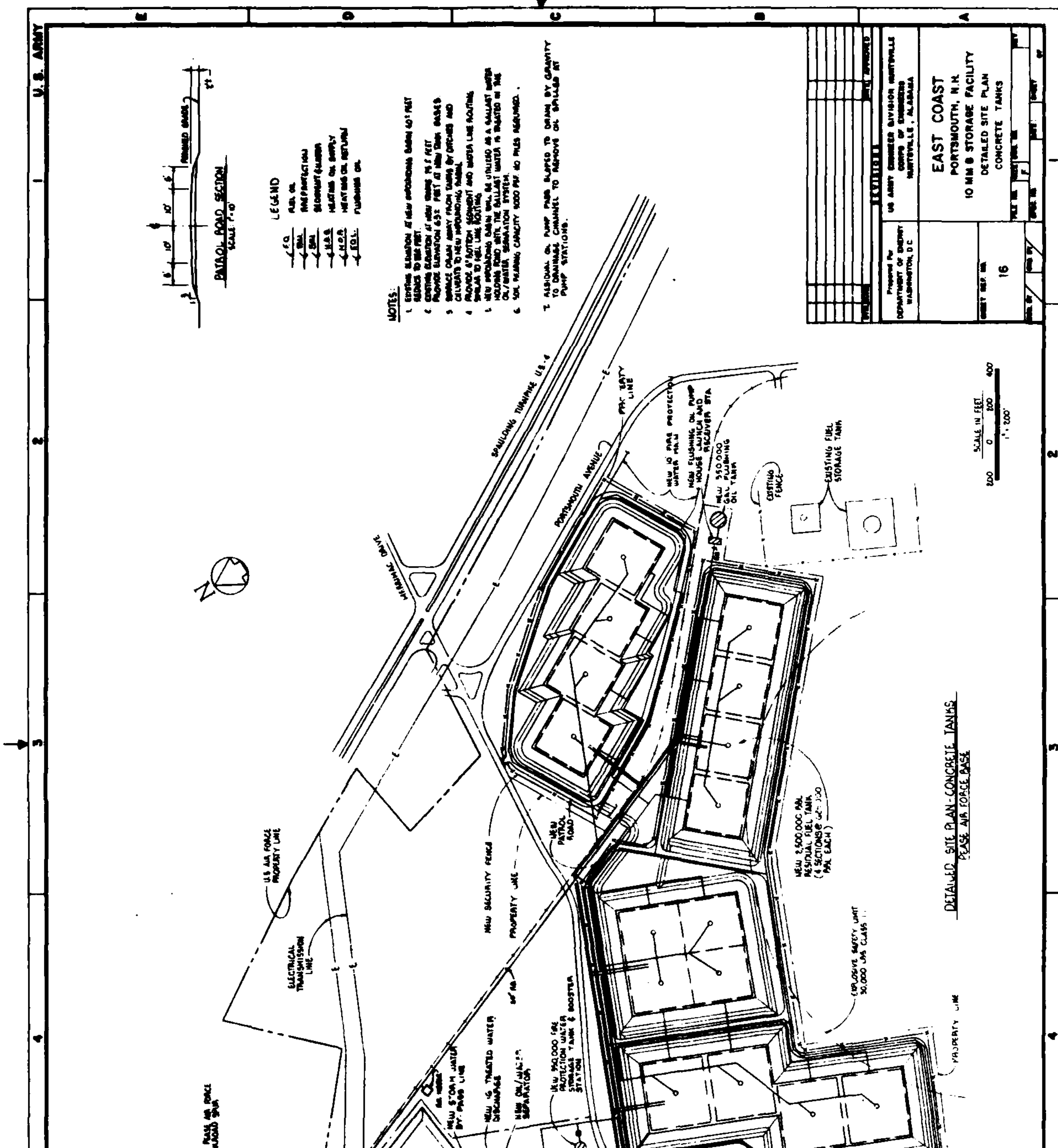
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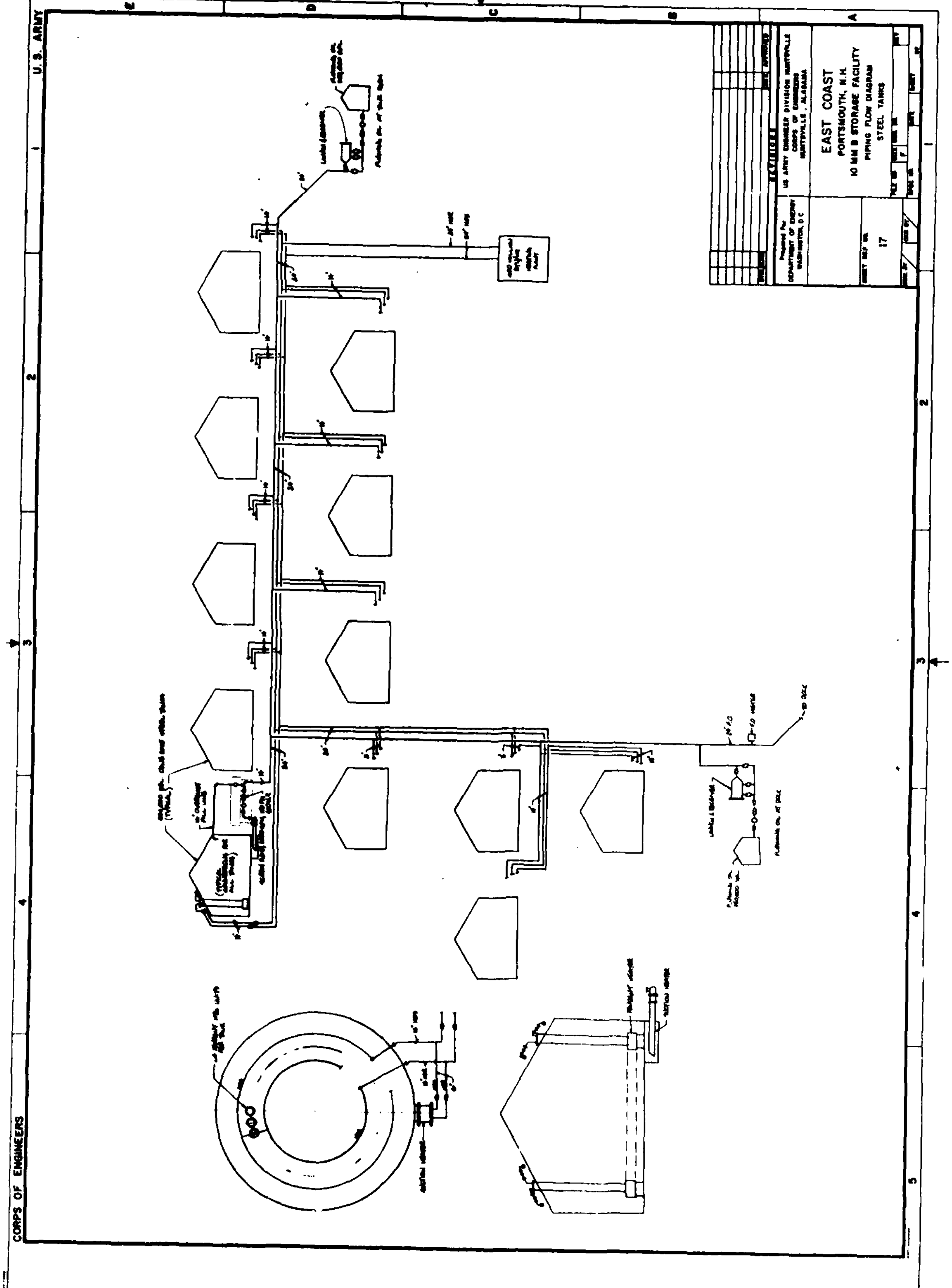
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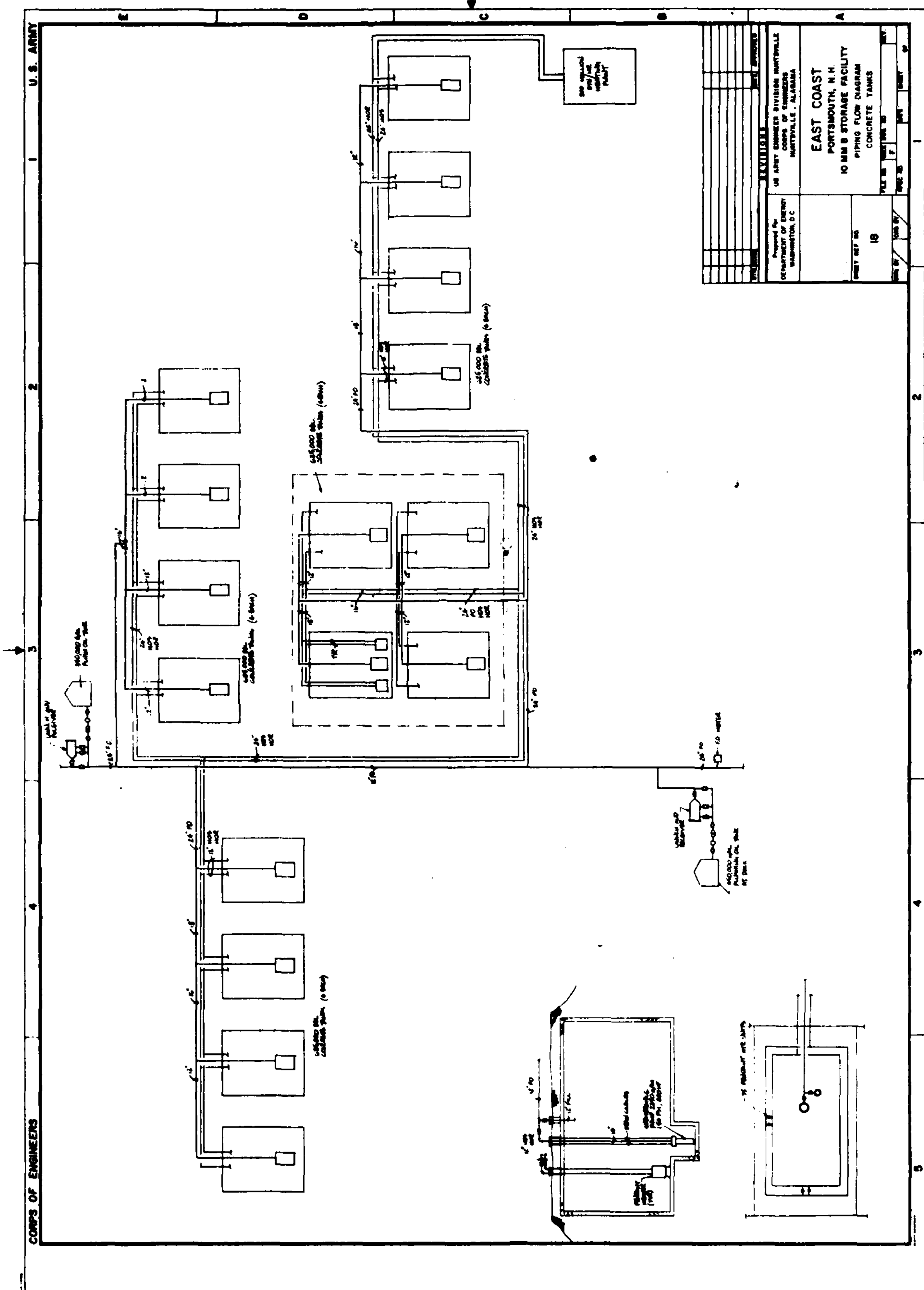
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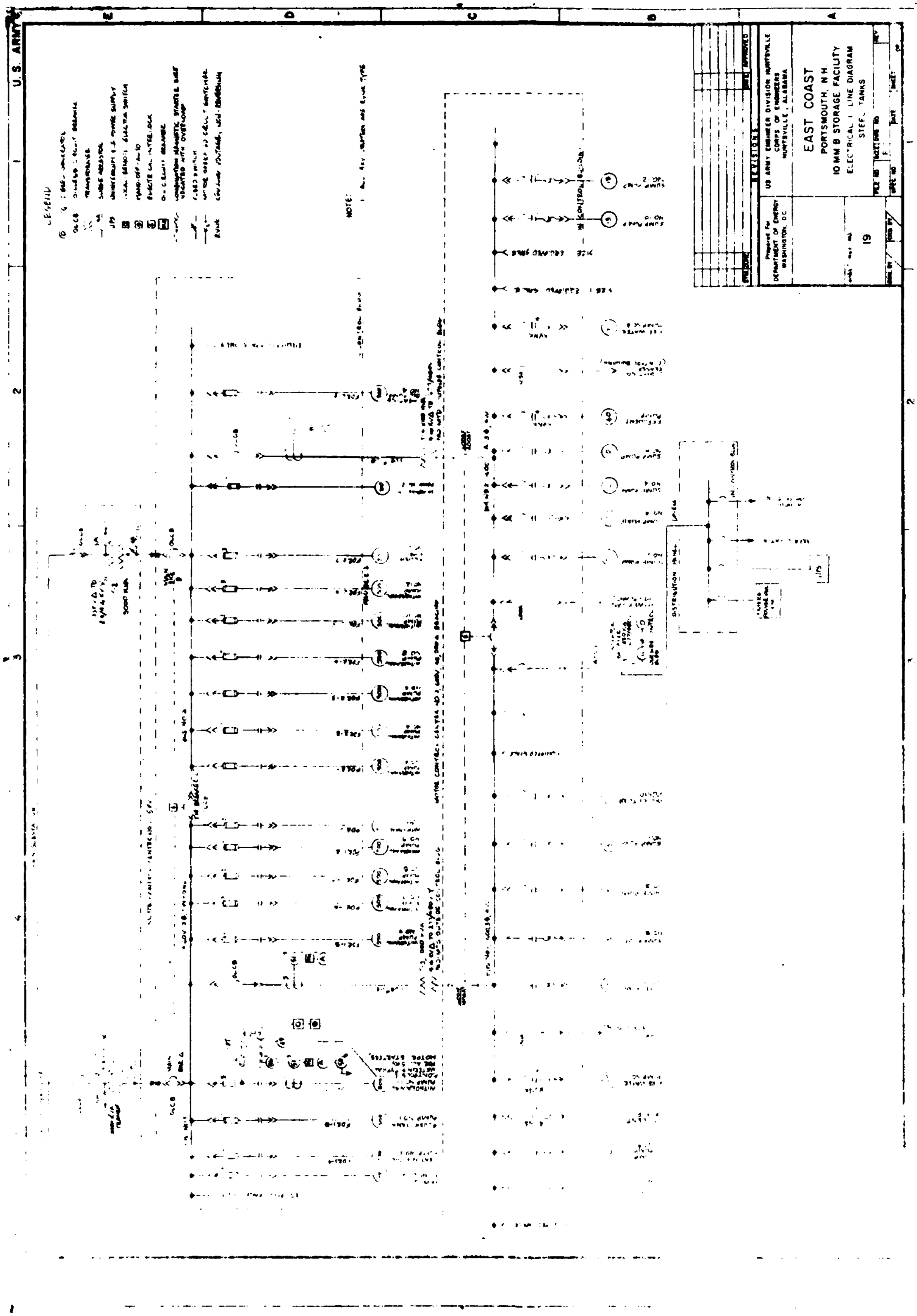
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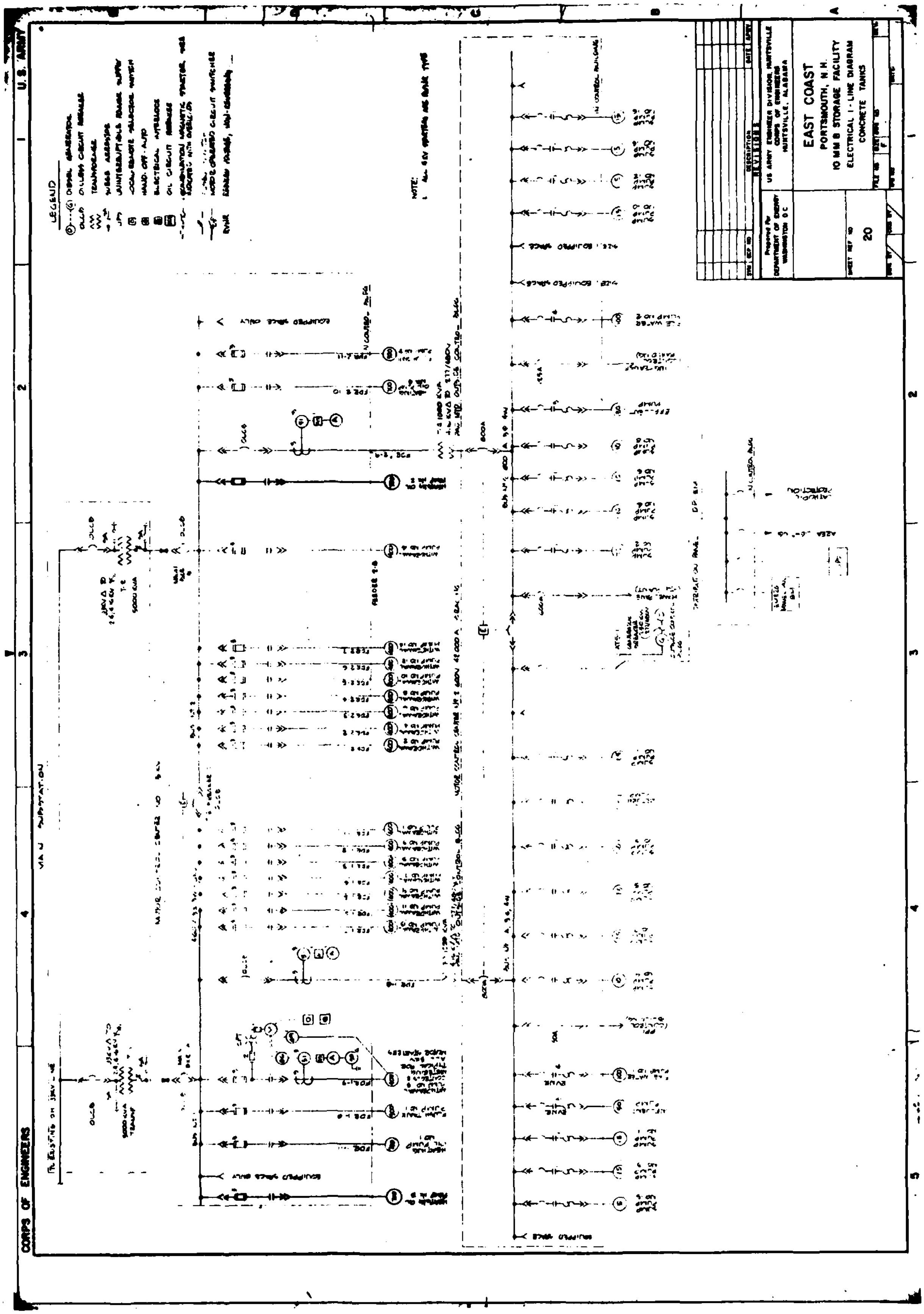
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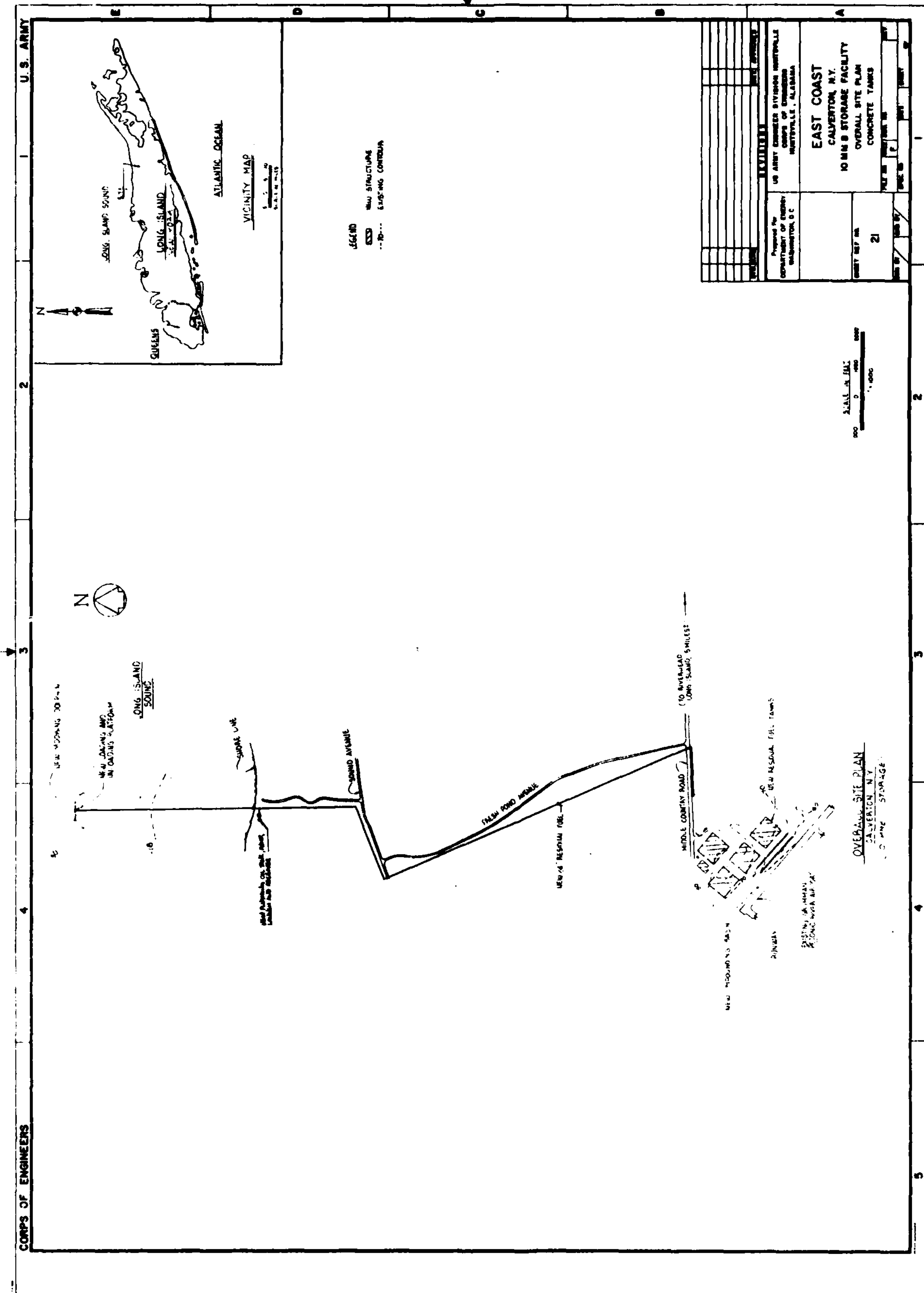
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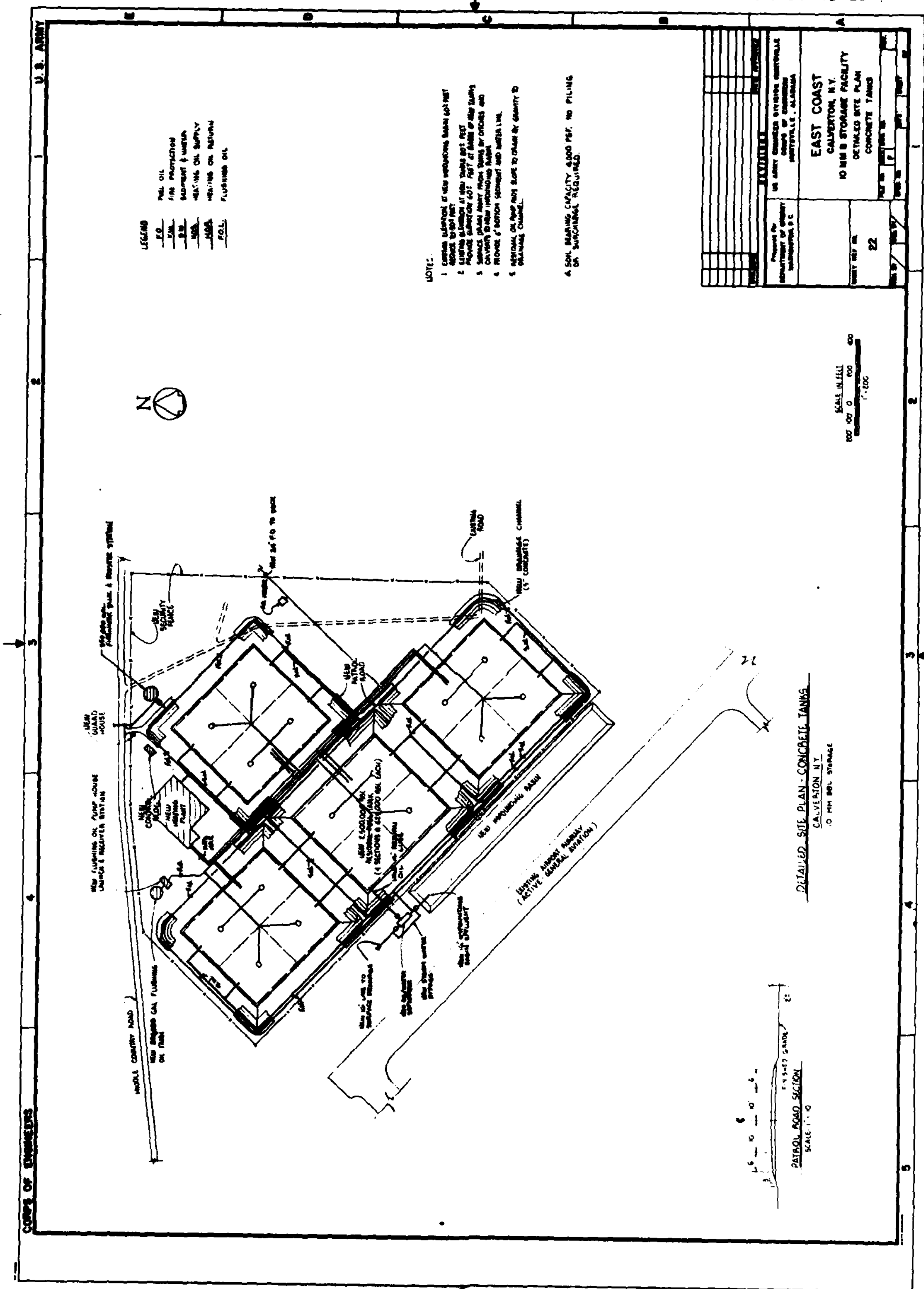
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NEW GUARD HOUSE
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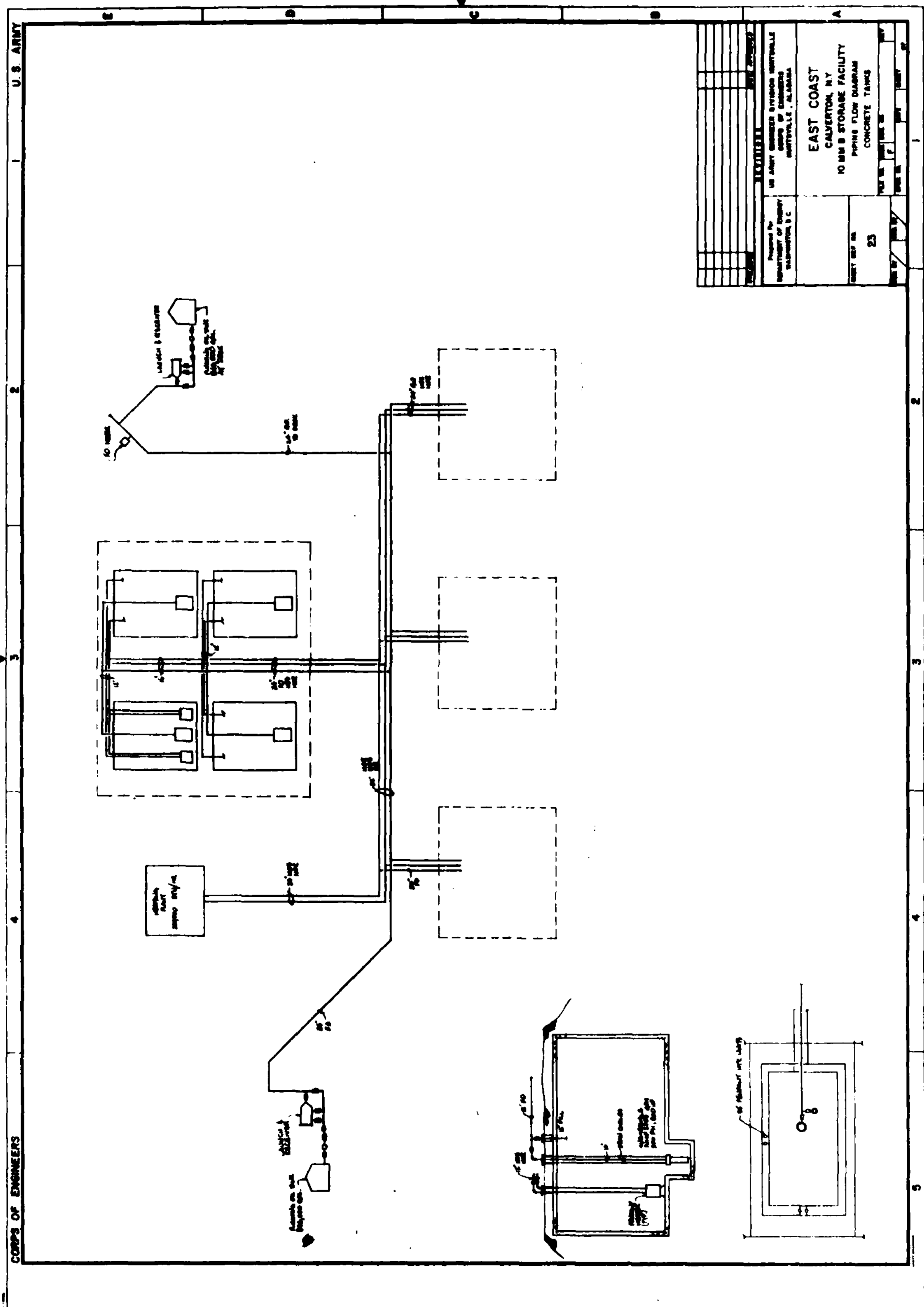
NEW PATROL ROAD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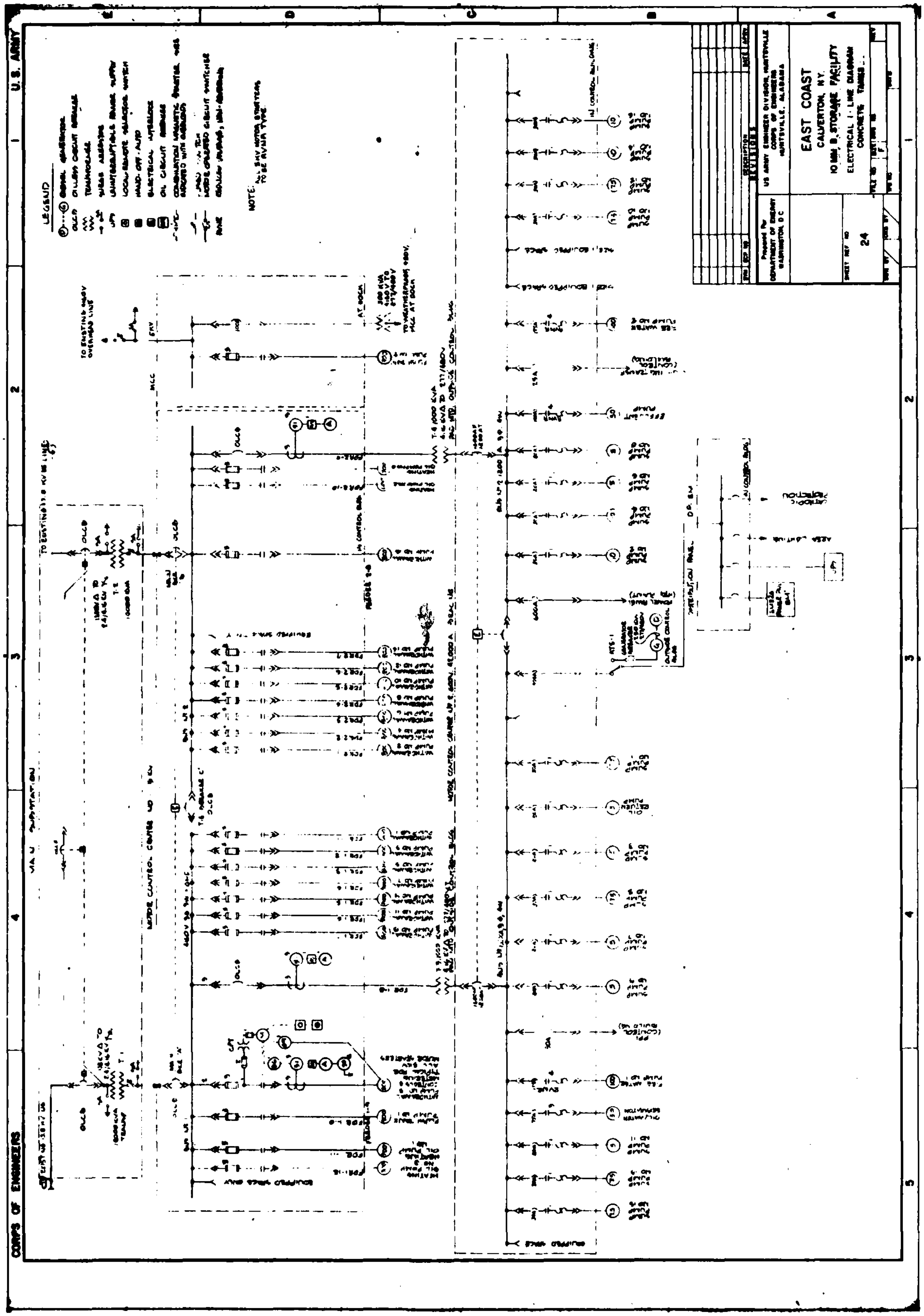
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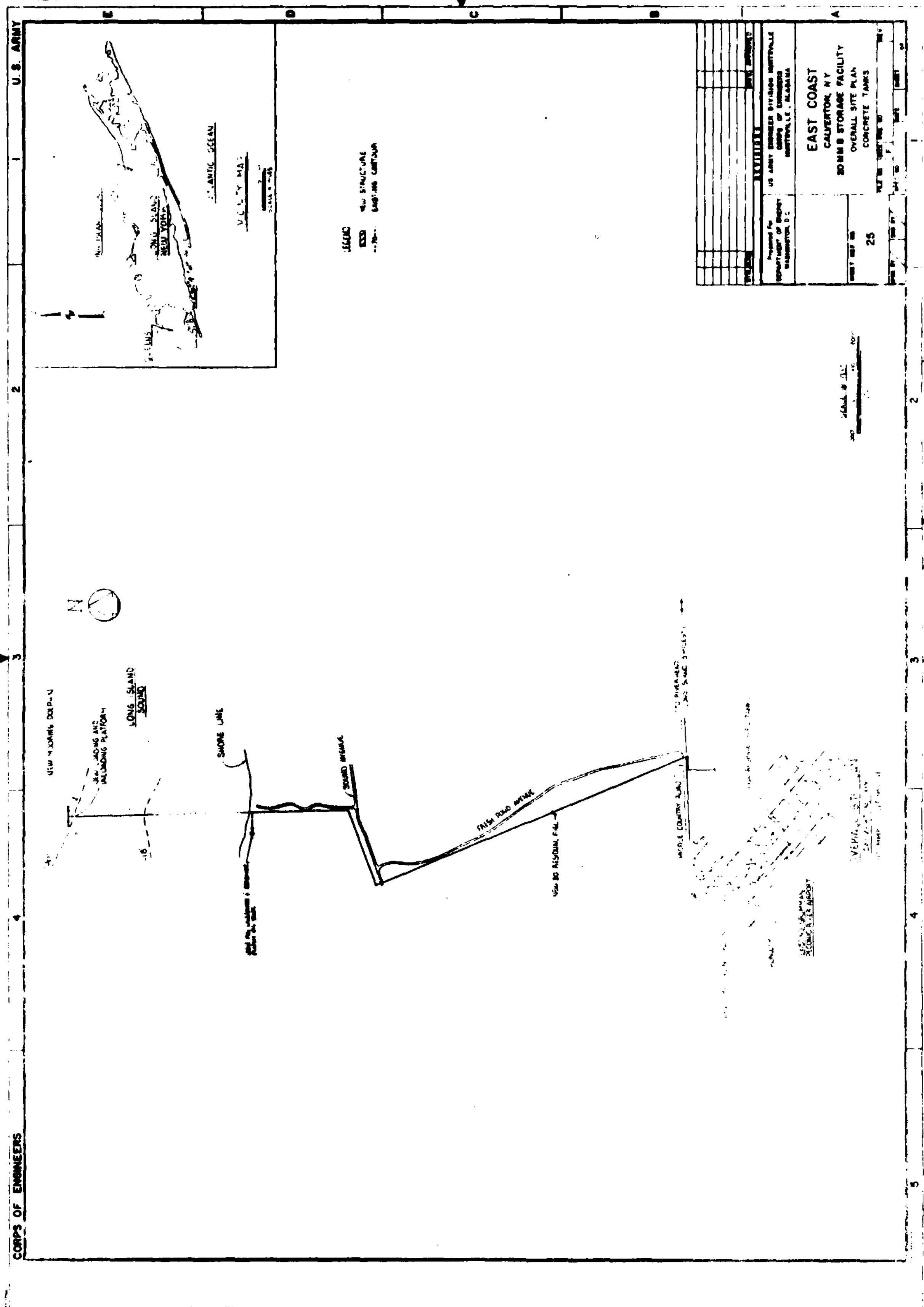
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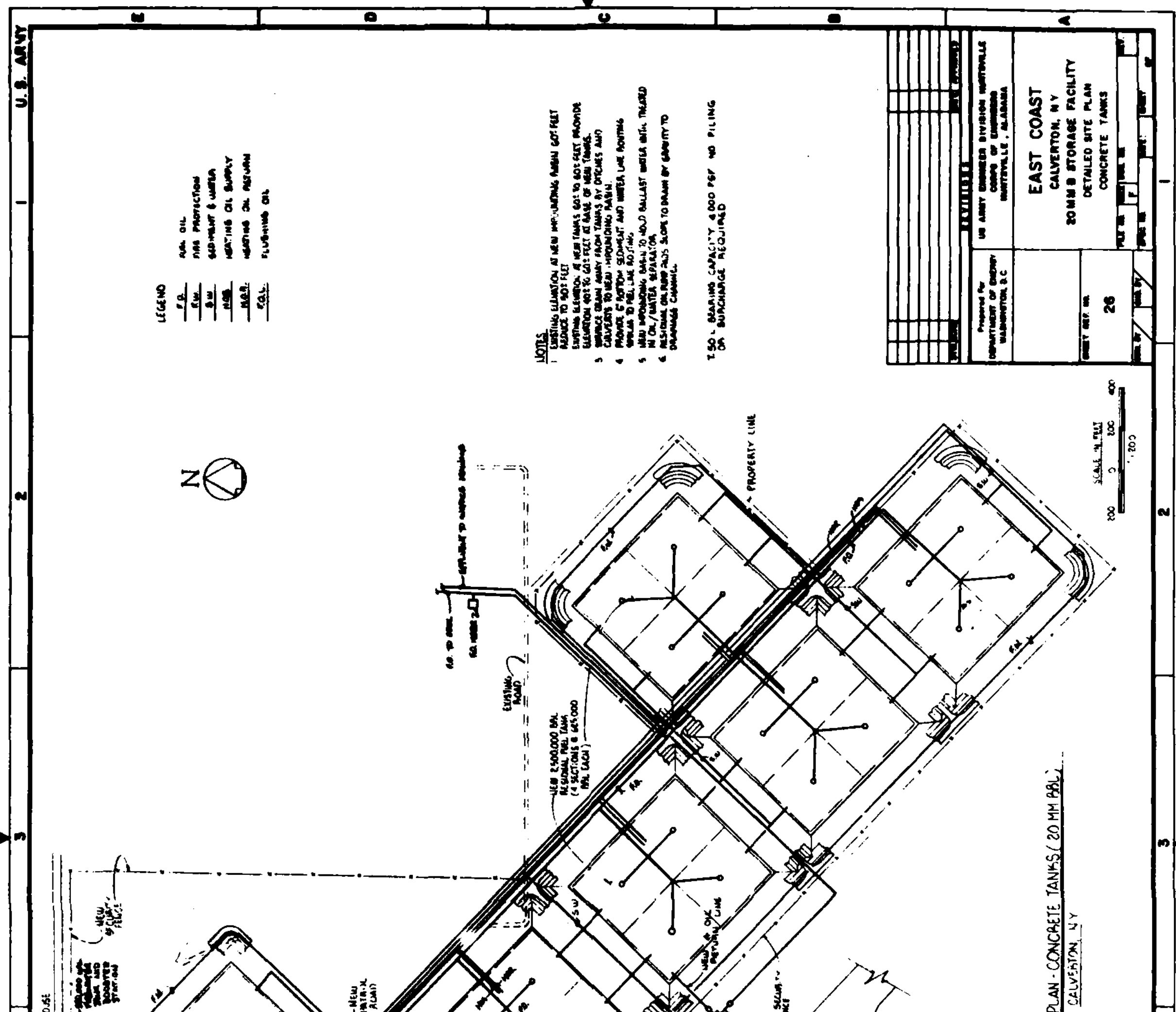
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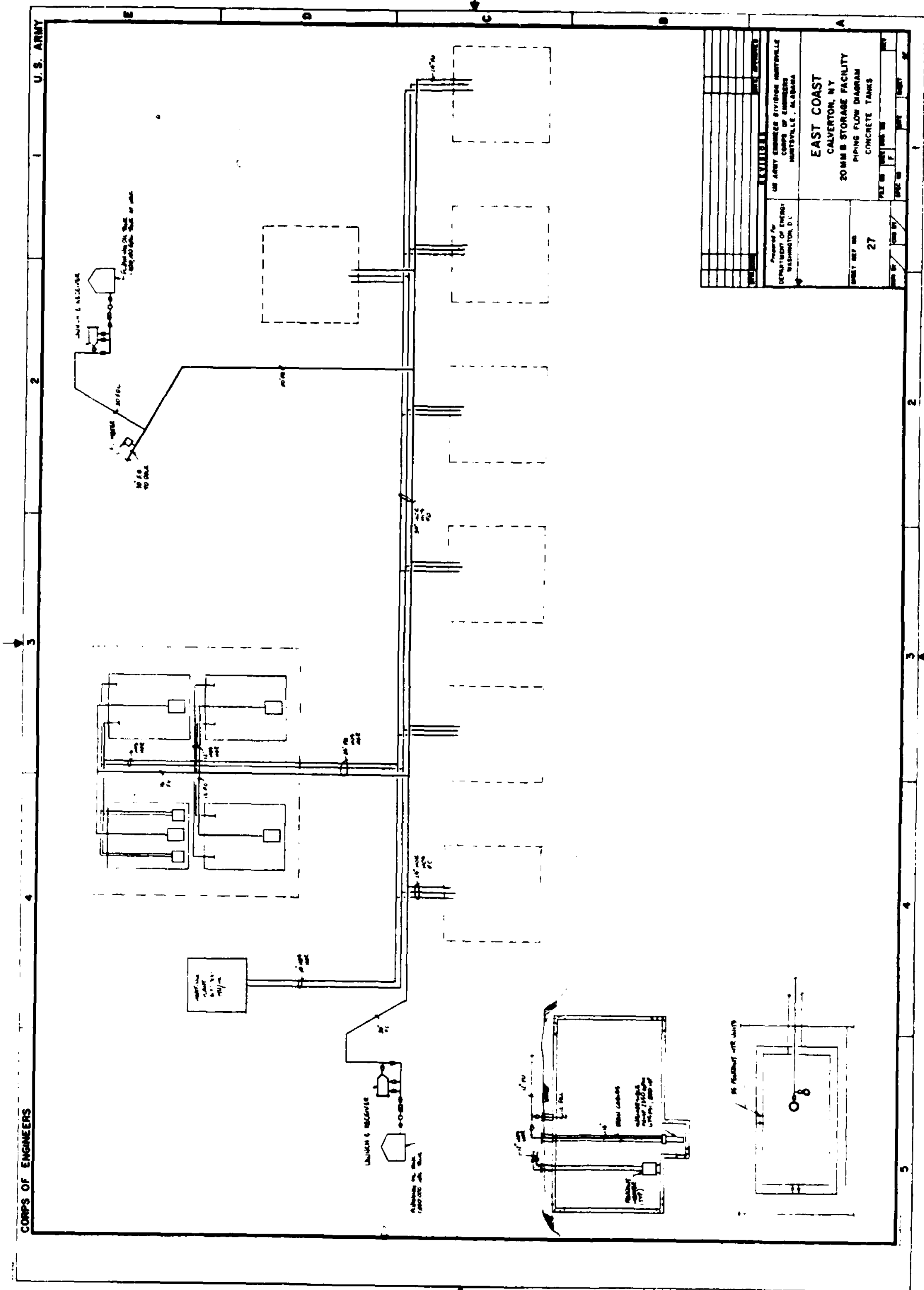
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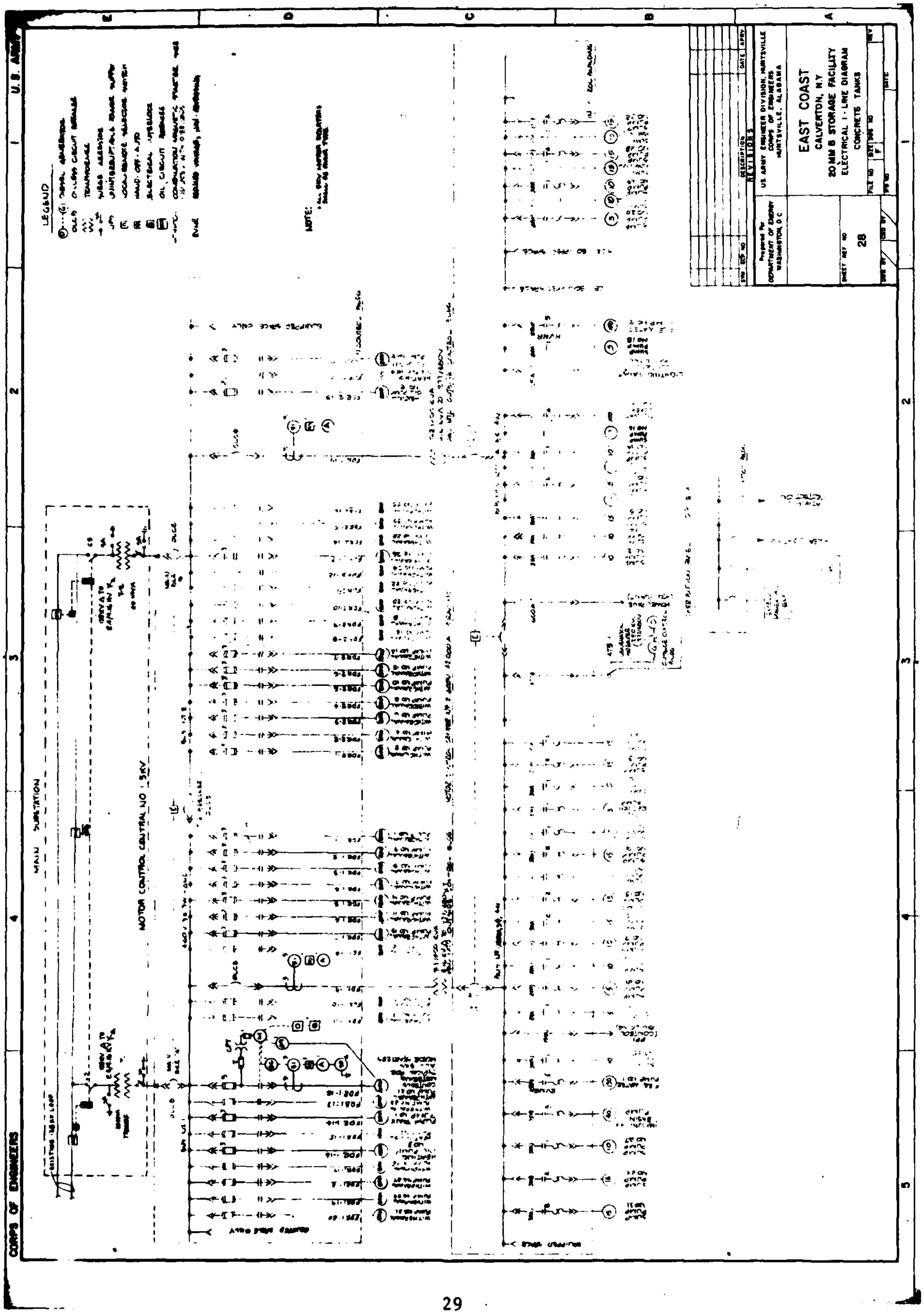
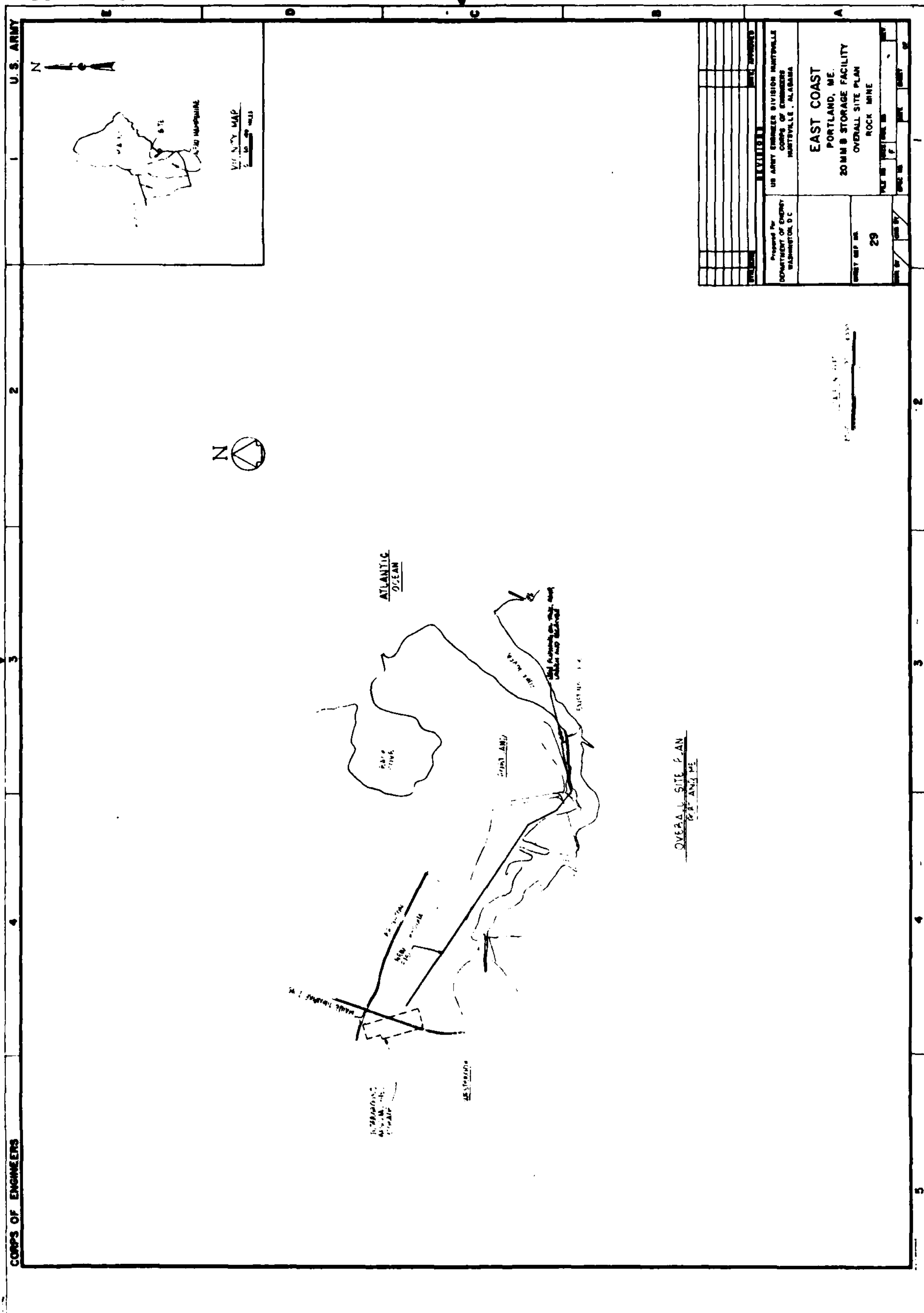
HUNTSVILLE, ALABAMA
Prepared for
DEPARTMENT OF ENERGY
WASHINGTON, D.C.
27


U.S. ARMY
CORPS OF ENGINEERS
LEGEND
NOTE:
MAIN SUBSTATION
MOTOR CONTROL CENTRAL NO 1 5KV
US ARMY ENGINEER DIVISION, HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
EAST COAST
CALVERTON, N.Y
20 MM B STORAGE FACILITY
ELECTRICAL 1-LINE DIAGRAM
CONCRETE TANKS
28


U.S. ARMY
CORPS OF ENGINEERS
VICINITY MAP
NEW HAMPSHIRE
ATLANTIC OCEAN
OVERALL SITE PLAN
Prepared For
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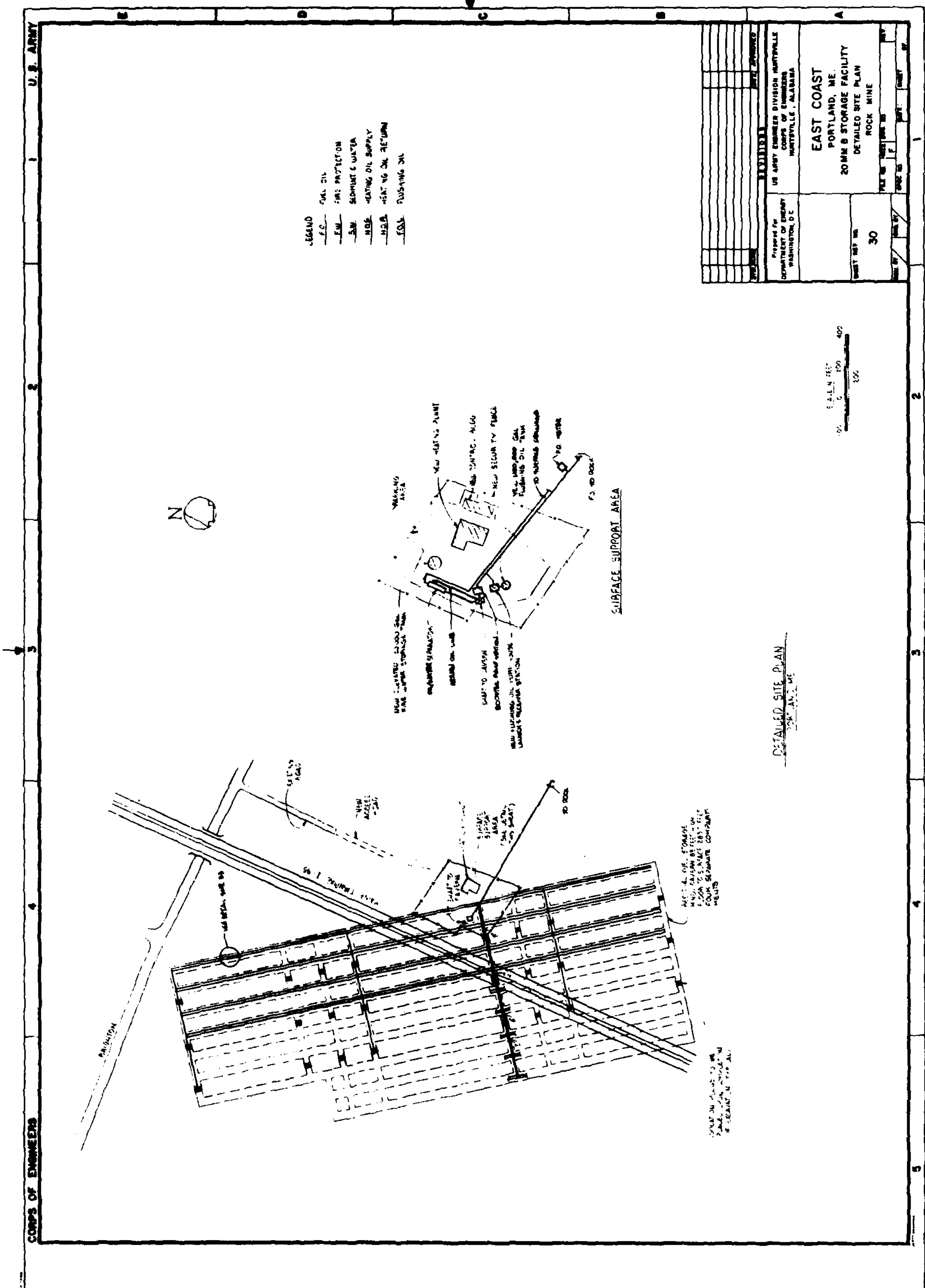
US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
EAST COAST
PORTLAND, ME.
20 MM B STORAGE FACILITY
OVERALL SITE PLAN
ROCK MINE
REVISIONS
29


U.S. ARMY
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REVISIONS
Prepared for DEPARTMENT OF ENERGY WASHINGTON, D.C.
US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
EAST COAST
PORTLAND, ME.
20 MM B STORAGE FACILITY
DETAILED SITE PLAN
ROCK MINE
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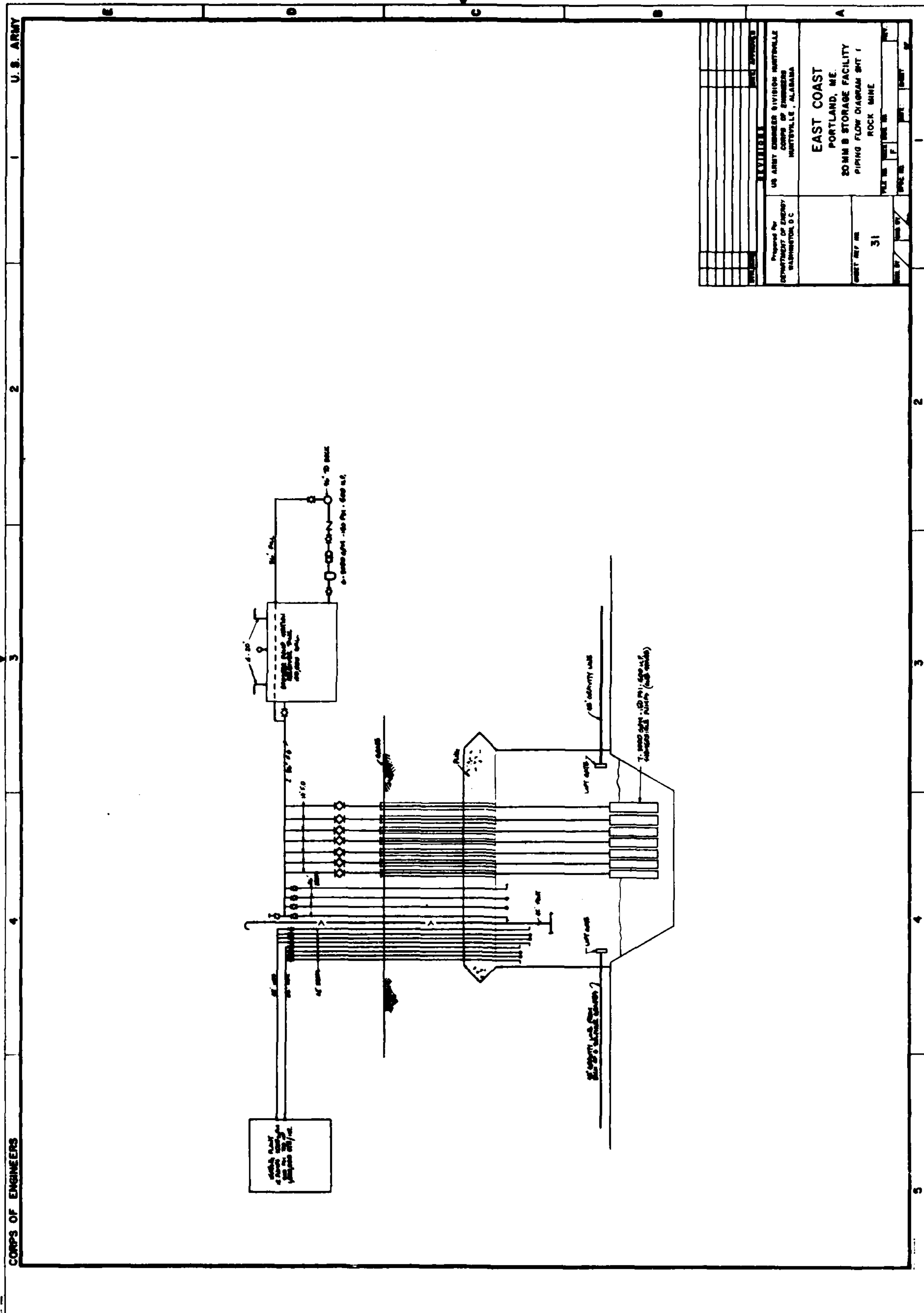
LEGEND
FUEL OIL
FIRE PROTECTION
SEDIMENT & WATER
HEATING OIL SUPPLY
HEATING OIL RETURN
FLUSHING OIL
SURFACE SUPPORT AREA
DETAILED SITE PLAN


U. S. ARMY
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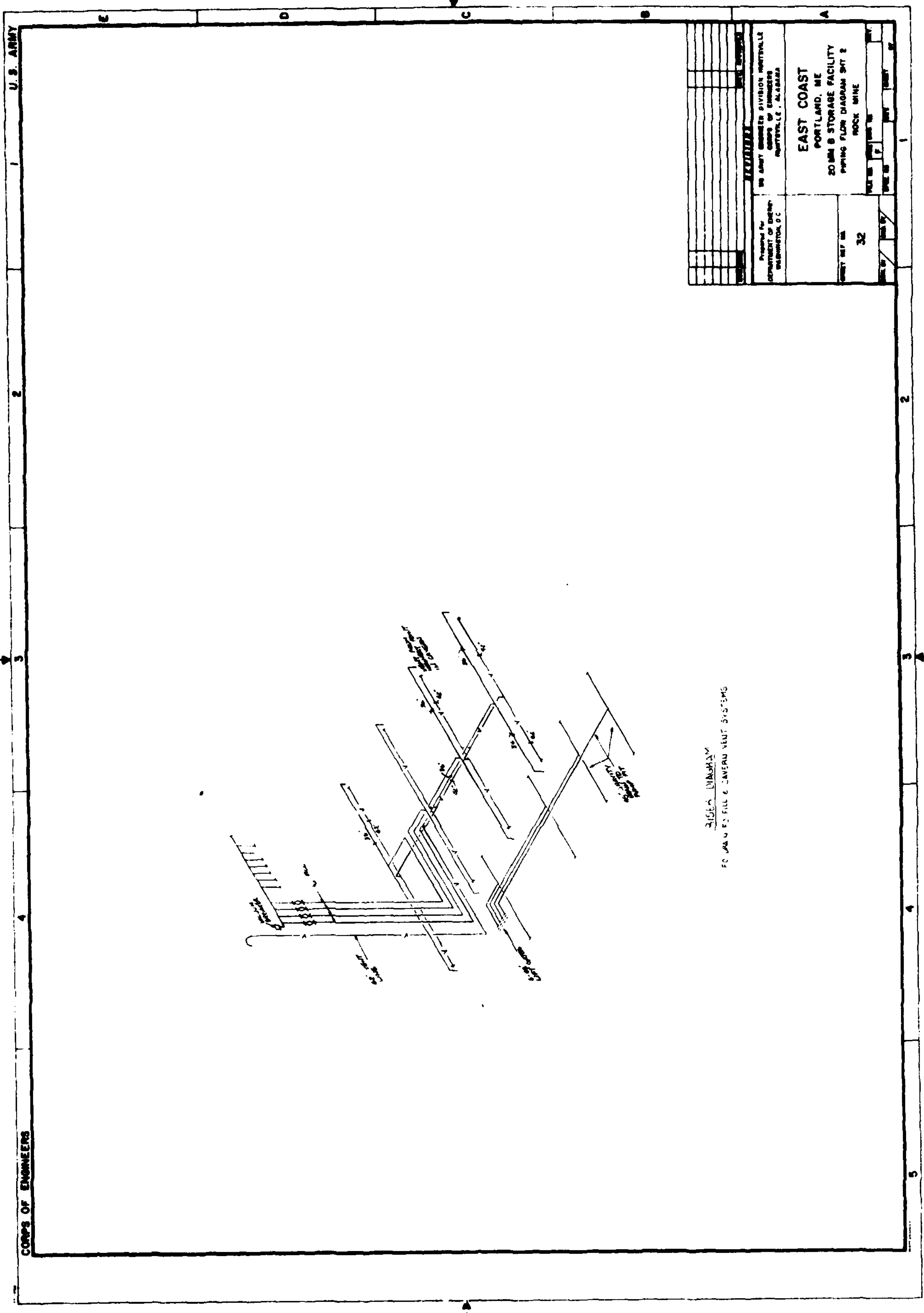
US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
EAST COAST
PORTLAND, ME.
20 MM B STORAGE FACILITY
PIPING FLOW DIAGRAM SHT 1
ROCK MINE
31


U.S. ARMY
CORPS OF ENGINEERS
RISER DIAGRAM
FOR DRAIN, FILL & CAVERN VENT SYSTEMS
REVISIONS
Prepared For
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HUNTSVILLE, ALABAMA
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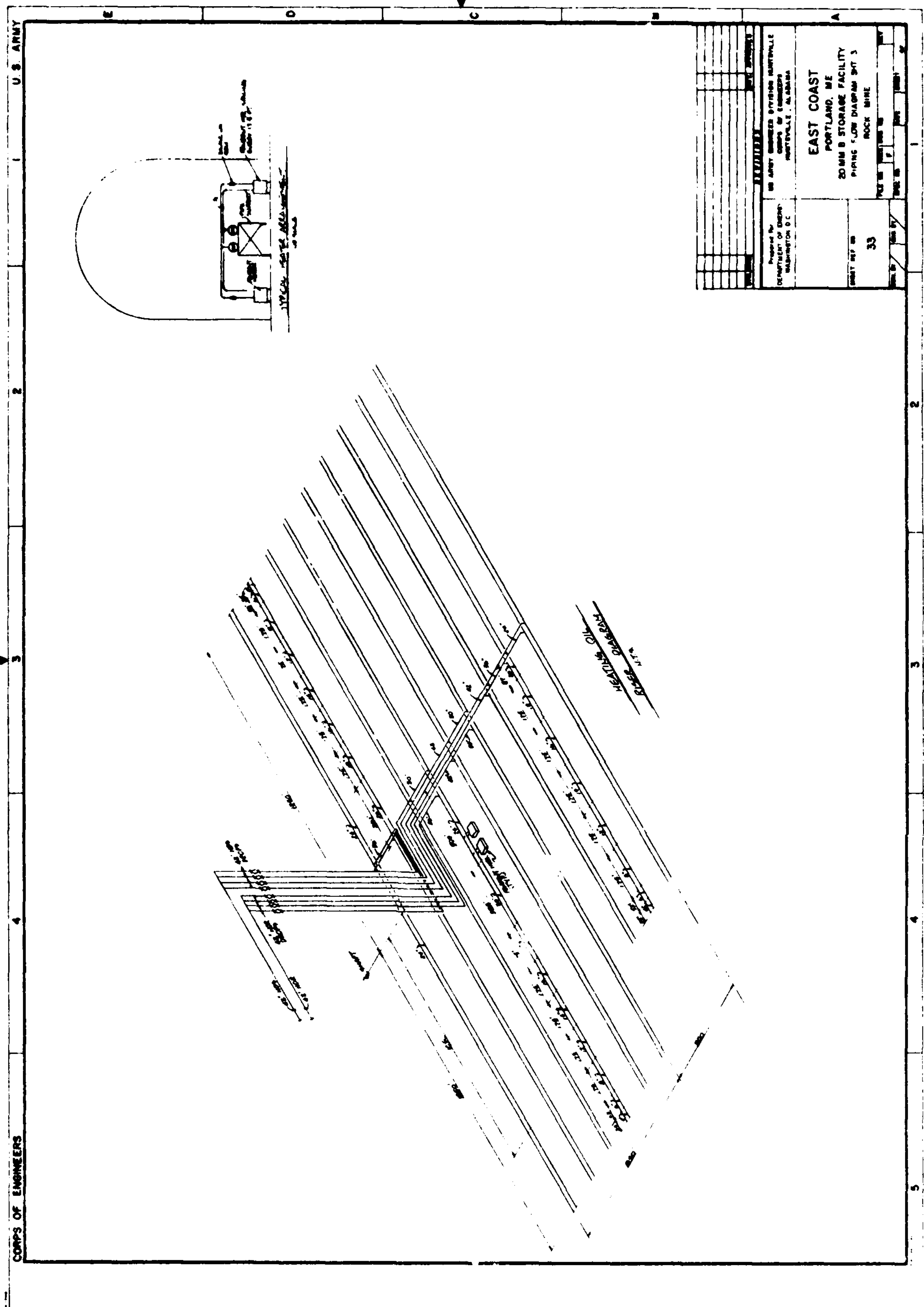
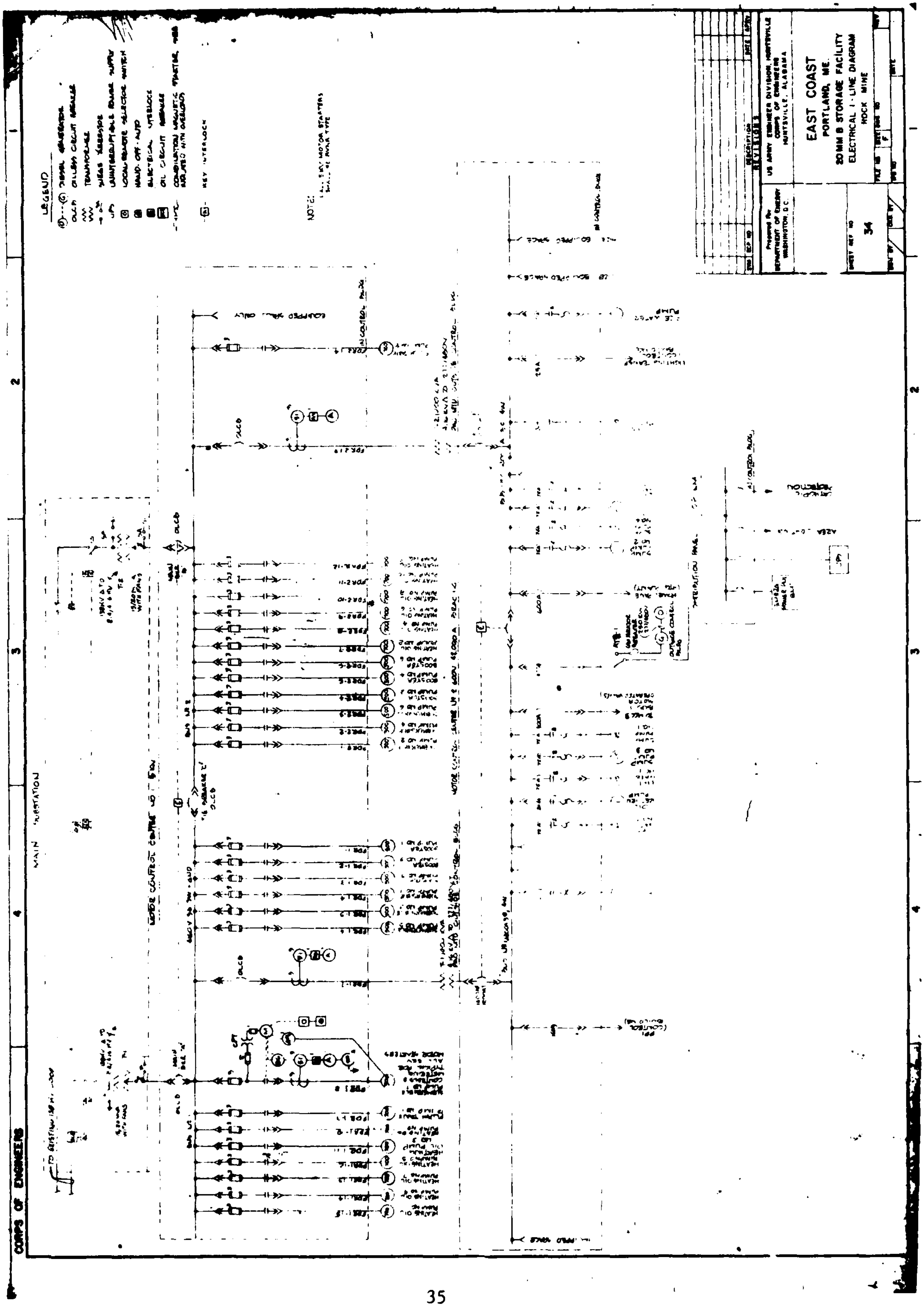
PORTLAND, ME
20 MM B STORAGE FACILITY
PIPING FLOW DIAGRAM SHT 2
ROCK MINE
SHEET REF NO.
32


U.S. ARMY
CORPS OF ENGINEERS
EAST COAST
PORTLAND, ME
20 MM B STORAGE FACILITY
ROCK MINE
33
HEATING OIL
RISER DIAGRAM


EAST COAST
PORTLAND, ME.
20MM B STORAGE FACILITY
ELECTRICAL 1-LINE DIAGRAM
ROCK MINE
US ARMY ENGINEER DIVISION, HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
DEPARTMENT OF ENERGY
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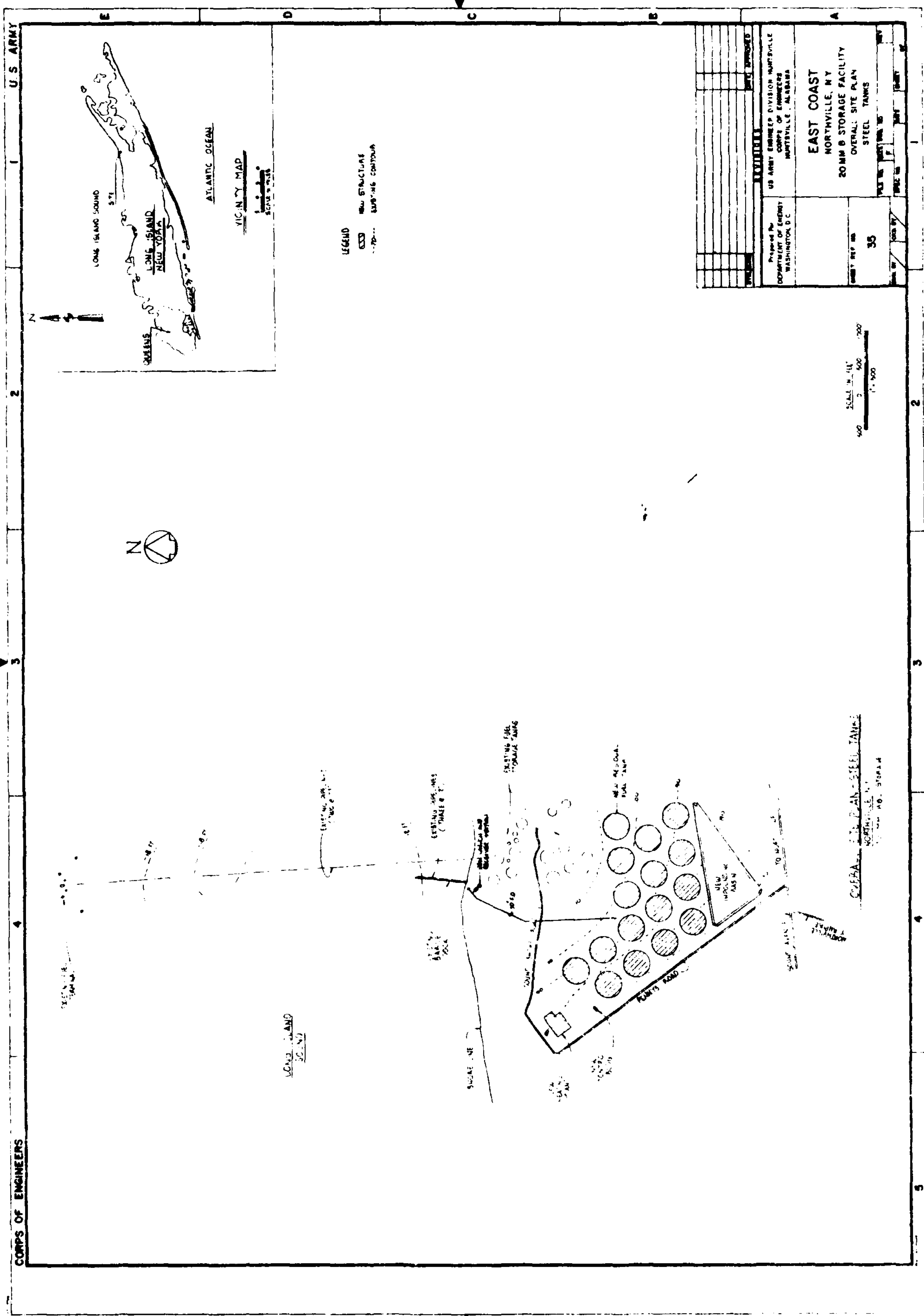
34
LEGEND
MAIN SUBSTATION
CORPS OF ENGINEERS


U.S. ARMY
CORPS OF ENGINEERS
EAST COAST
NORTHVILLE, N Y
20 MM B STORAGE FACILITY
OVERALL SITE PLAN
STEEL TANKS
US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
Prepared for
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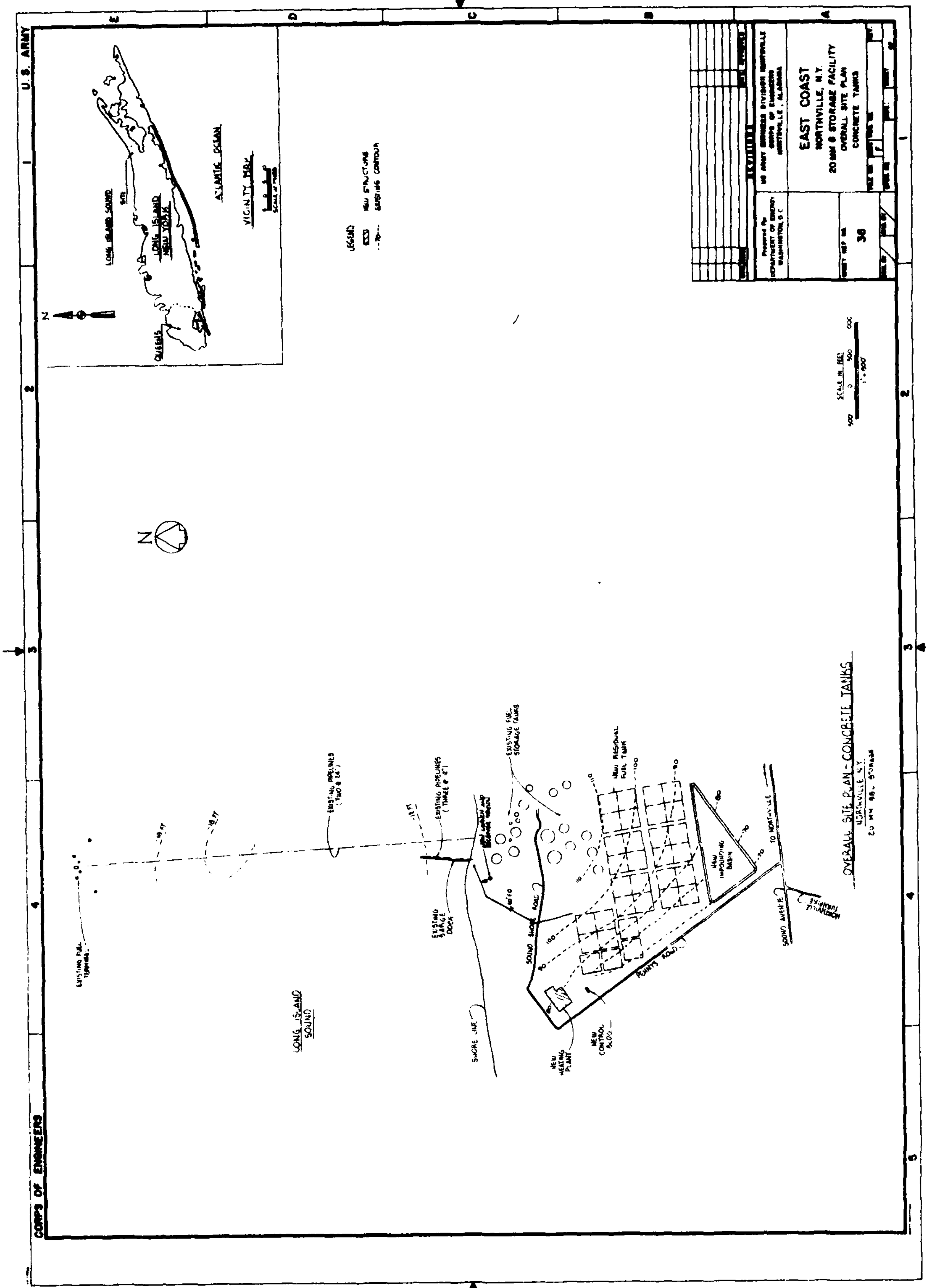
WASHINGTON D.C.
35
ATLANTIC OCEAN
VICINITY MAP
LONG ISLAND
NEW YORK
LONG ISLAND SOUND
LEGEND
NEW STRUCTURES
EXISTING CONTOUR


U.S. ARMY
CORPS OF ENGINEERS
EAST COAST
NORTHVILLE, N.Y.
20 MM B STORAGE FACILITY
OVERALL SITE PLAN
CONCRETE TANKS
Prepared for
DEPARTMENT OF ENERGY
WASHINGTON, D.C.
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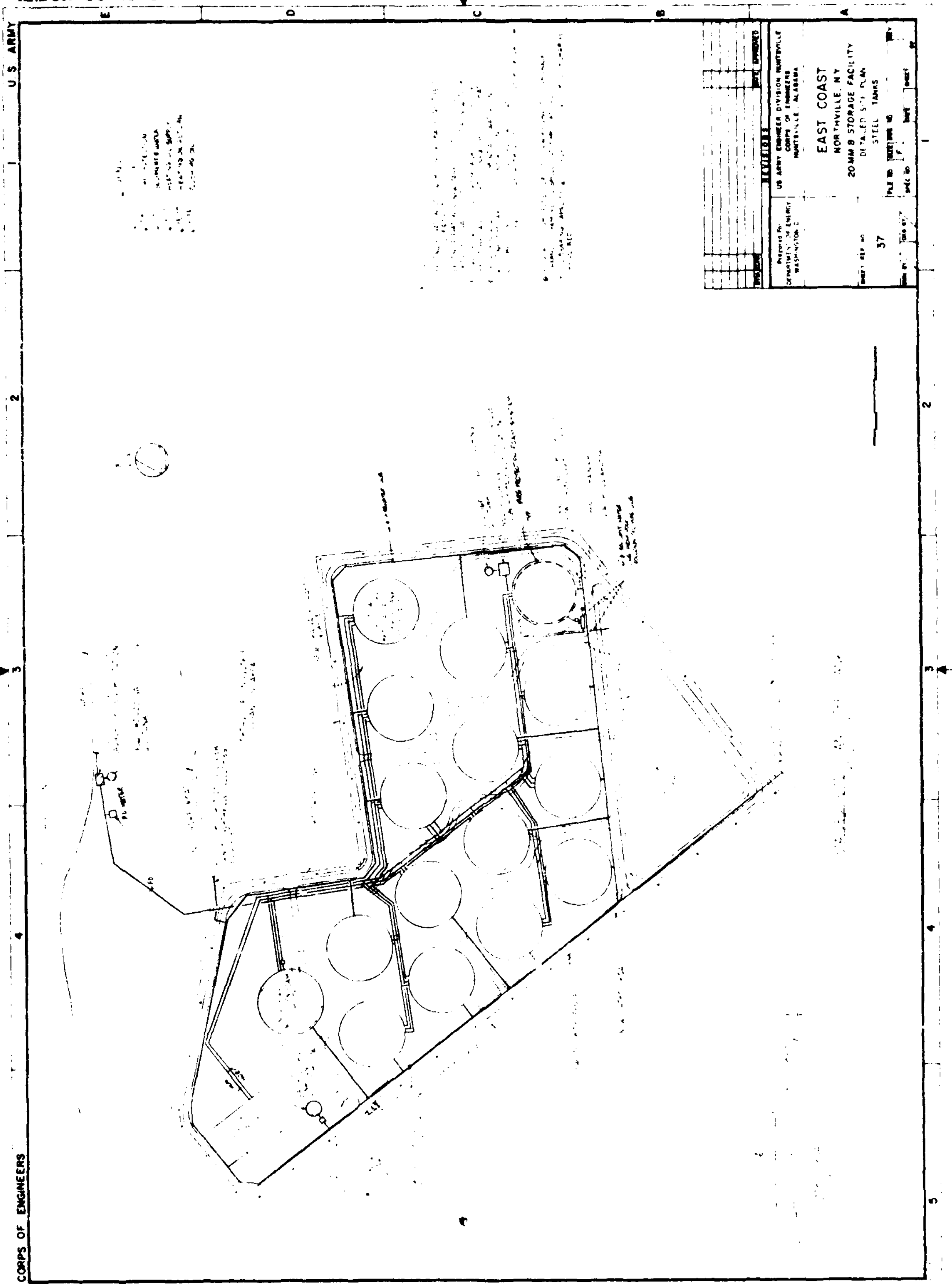
VICINITY MAP
ATLANTIC OCEAN
LONG ISLAND SOUND
LONG ISLAND
NEW YORK
QUEENS
SITE
LEGEND
NEW STRUCTURE
EXISTING CONTOUR
OVERALL SITE PLAN-CONCRETE TANKS
NORTHVILLE, N.Y.
EXISTING FUEL TERMINAL
LONG ISLAND SOUND
EXISTING PIPELINES (TWO @ 36")
EXISTING PIPELINES (THREE @ 8")
EXISTING BARGE DOCK
SHORE LINE
SOUND SHORE ROAD
EXISTING FUEL STORAGE TANKS
NEW RESIDUAL FUEL TANK
NEW IMPOUNDING BASIN
TO NORTHVILLE
SOUND AVENUE
NORTHVILLE TURNPIKE
PENNYS ROAD
NEW CONTROL BLDG.
NEW HEATING PLANT
SCALE IN FEET


U.S. ARMY
CORPS OF ENGINEERS
US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
EAST COAST
NORTHVILLE, NY
20 MM B STORAGE FACILITY
STEEL TANKS
Prepared For
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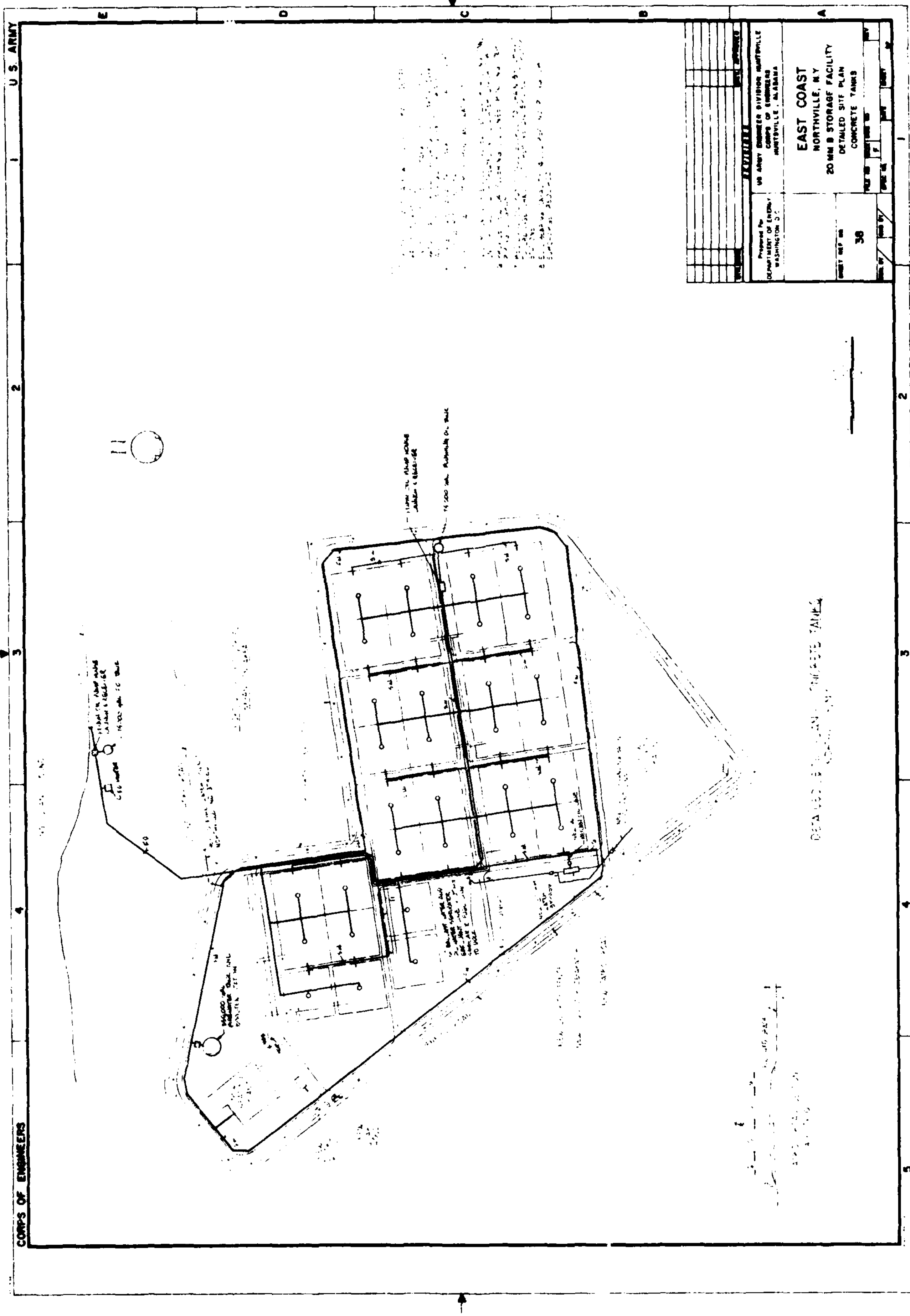
37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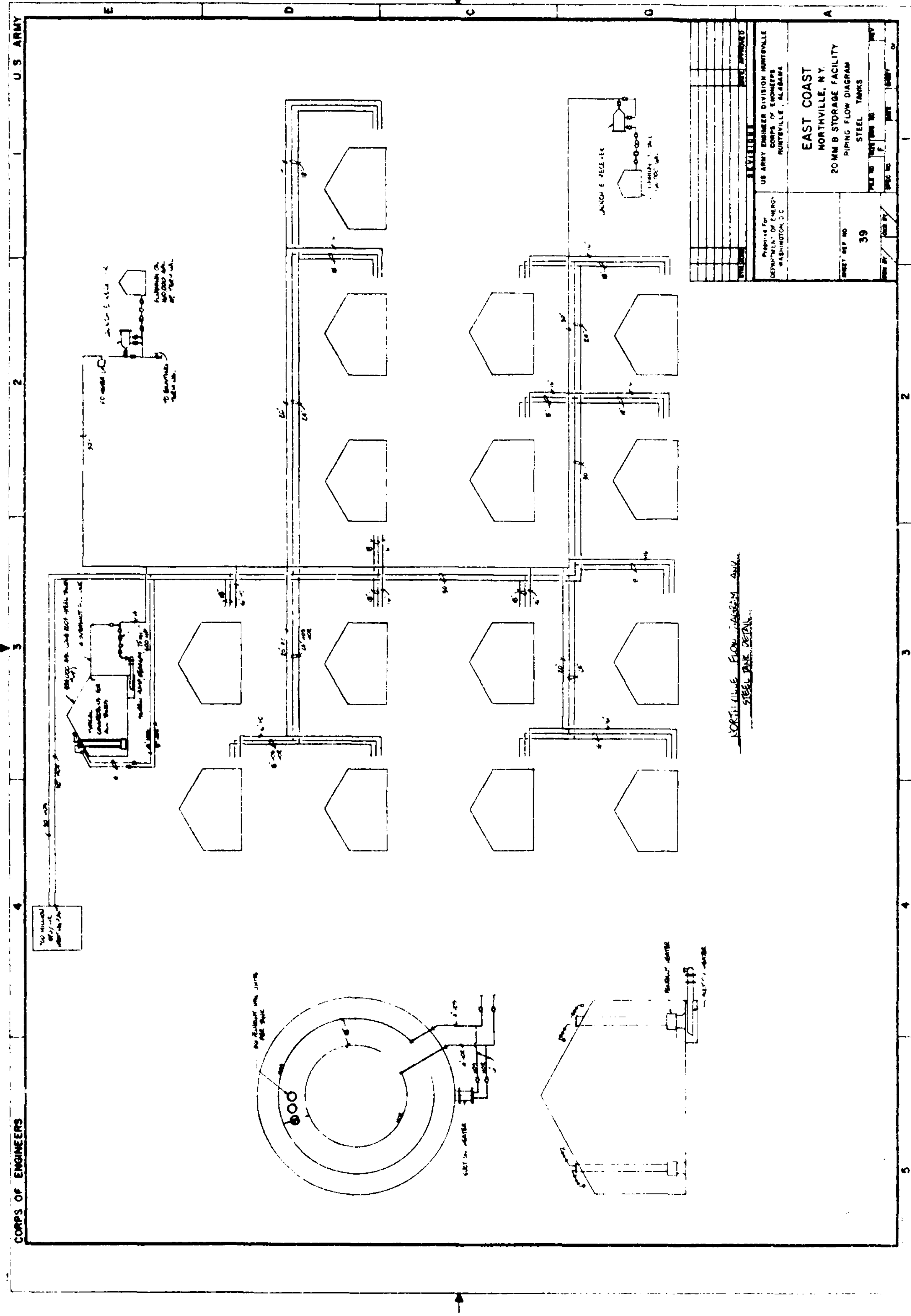
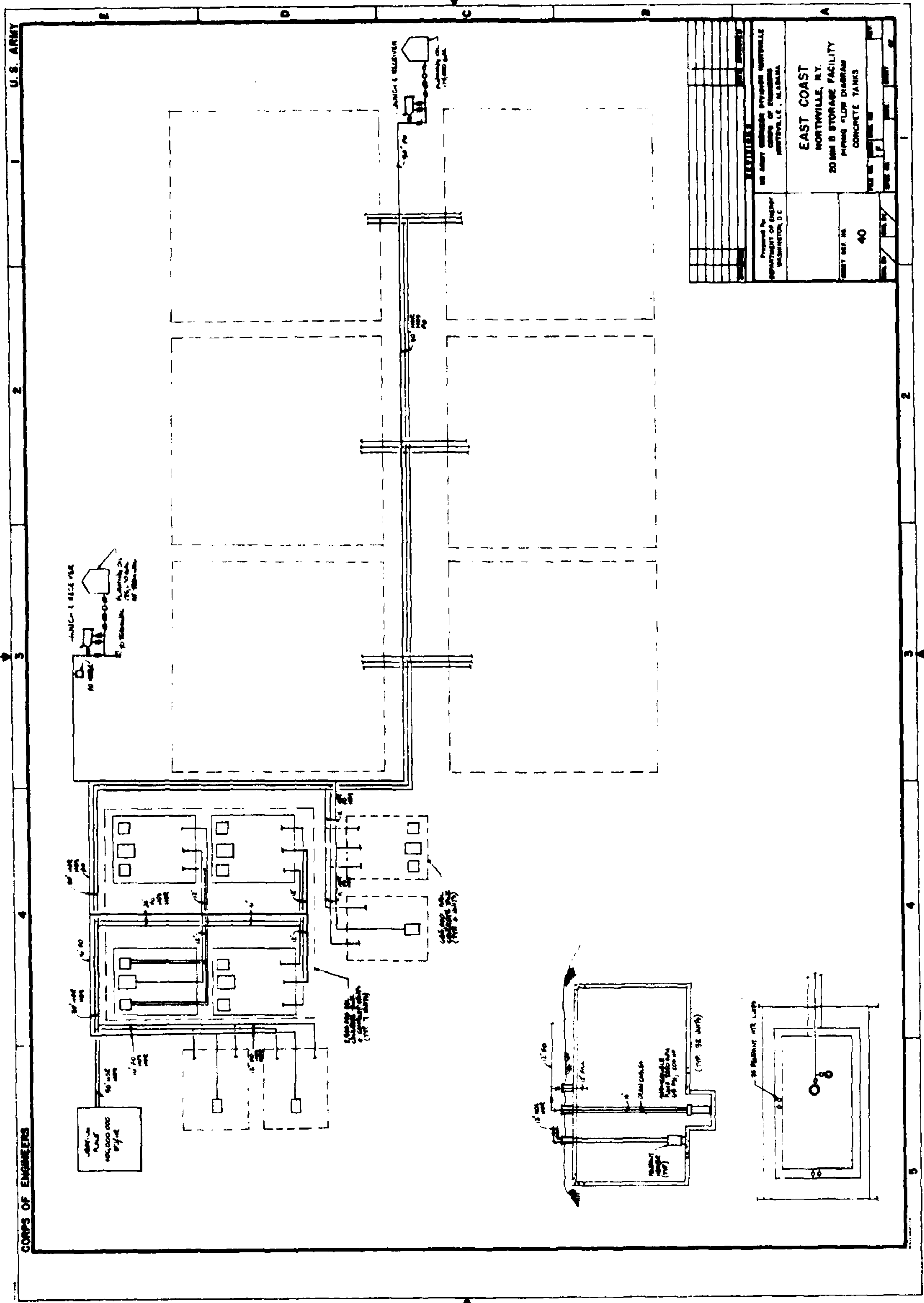
US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
EAST COAST
NORTHVILLE, N.Y.
20 MM B STORAGE FACILITY
DETAILED SITE PLAN
CONCRETE TANKS
38


U S ARMY
CORPS OF ENGINEERS
US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
EAST COAST
NORTHVILLE, N Y
20 MM B STORAGE FACILITY
PIPING FLOW DIAGRAM
STEEL TANKS
Prepared For
DEPARTMENT OF ENERGY
WASHINGTON, D.C.
39
NORTHVILLE FLOW DIAGRAM AND
STEEL TANK DETAIL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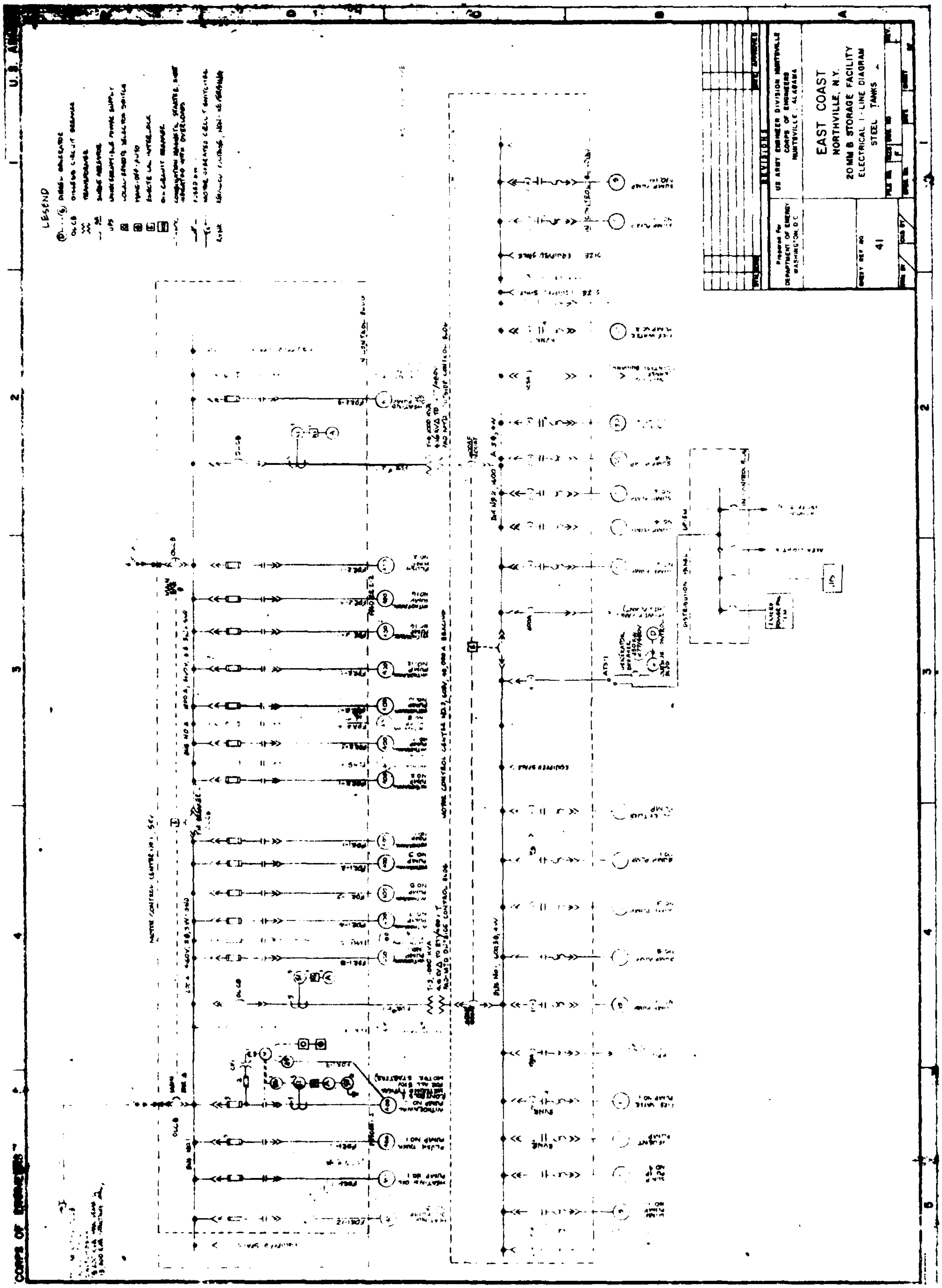
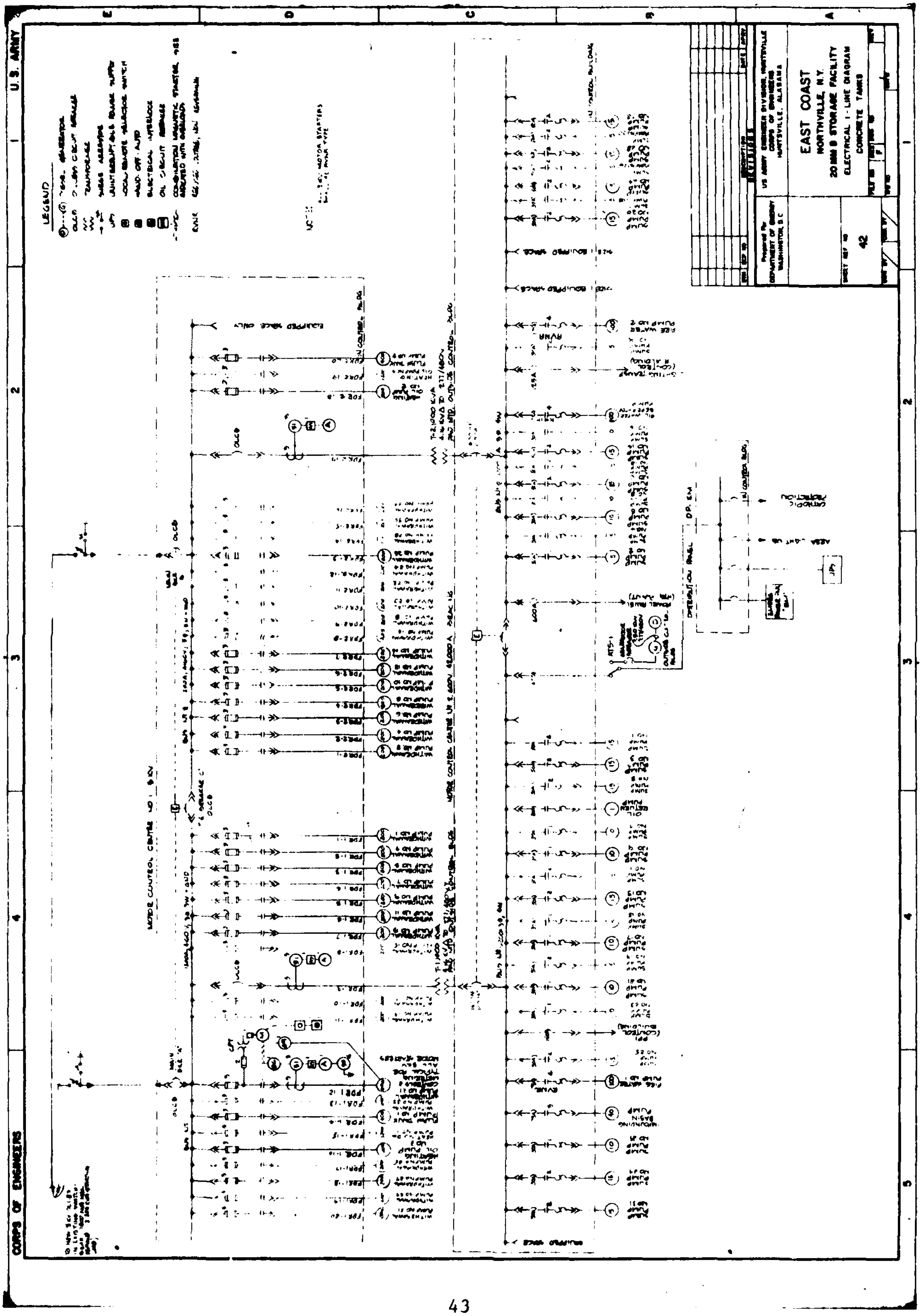
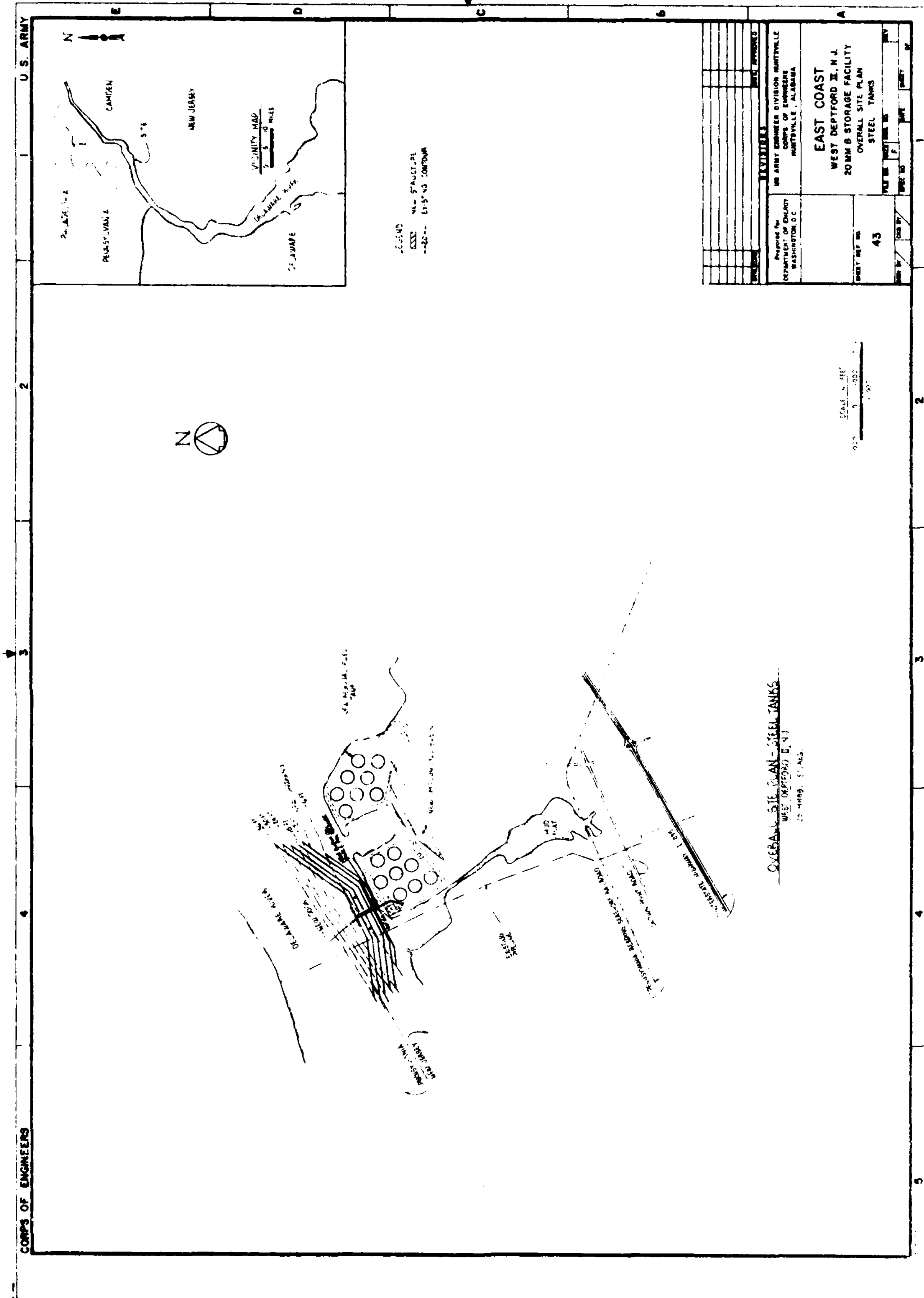
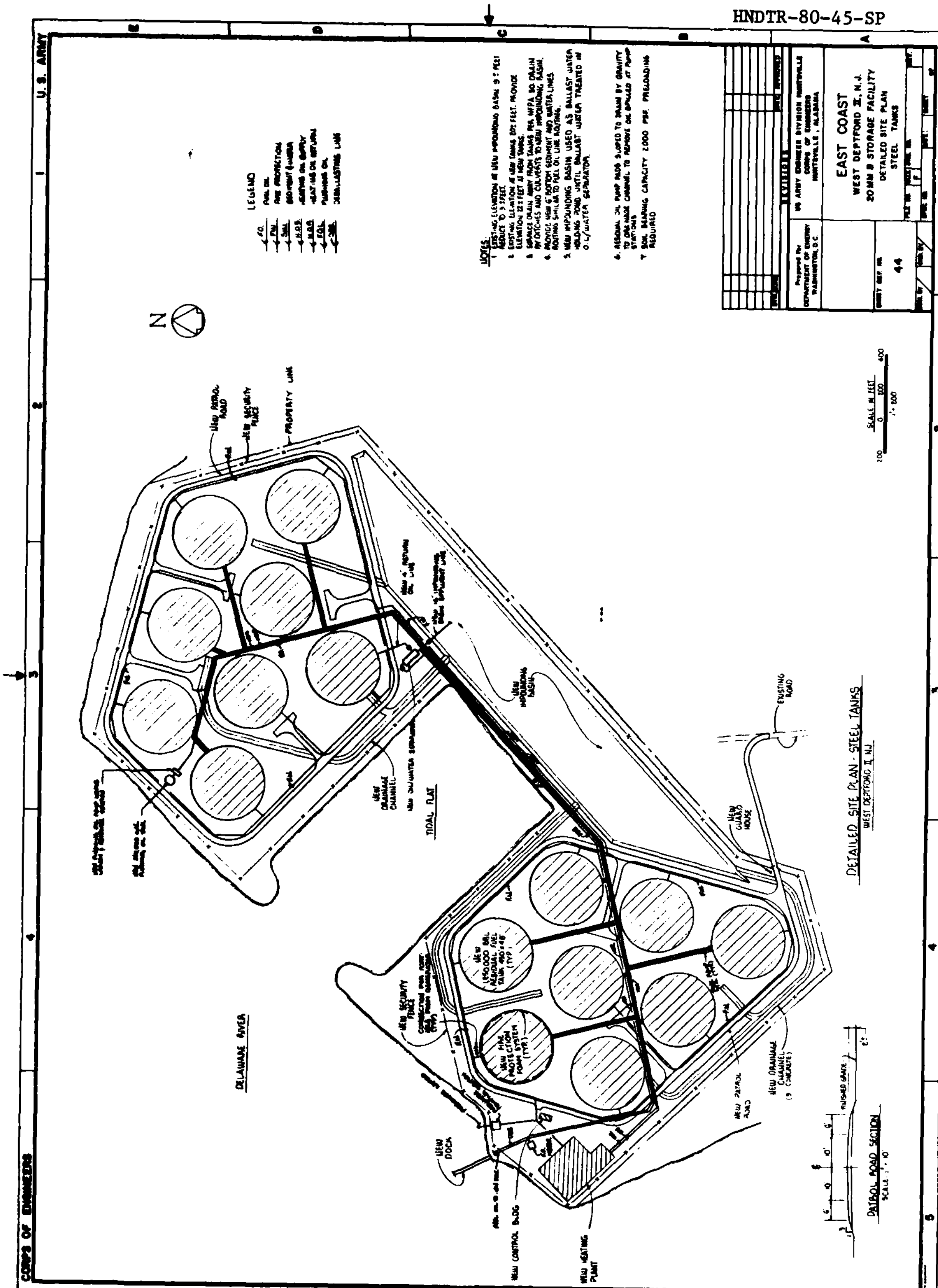
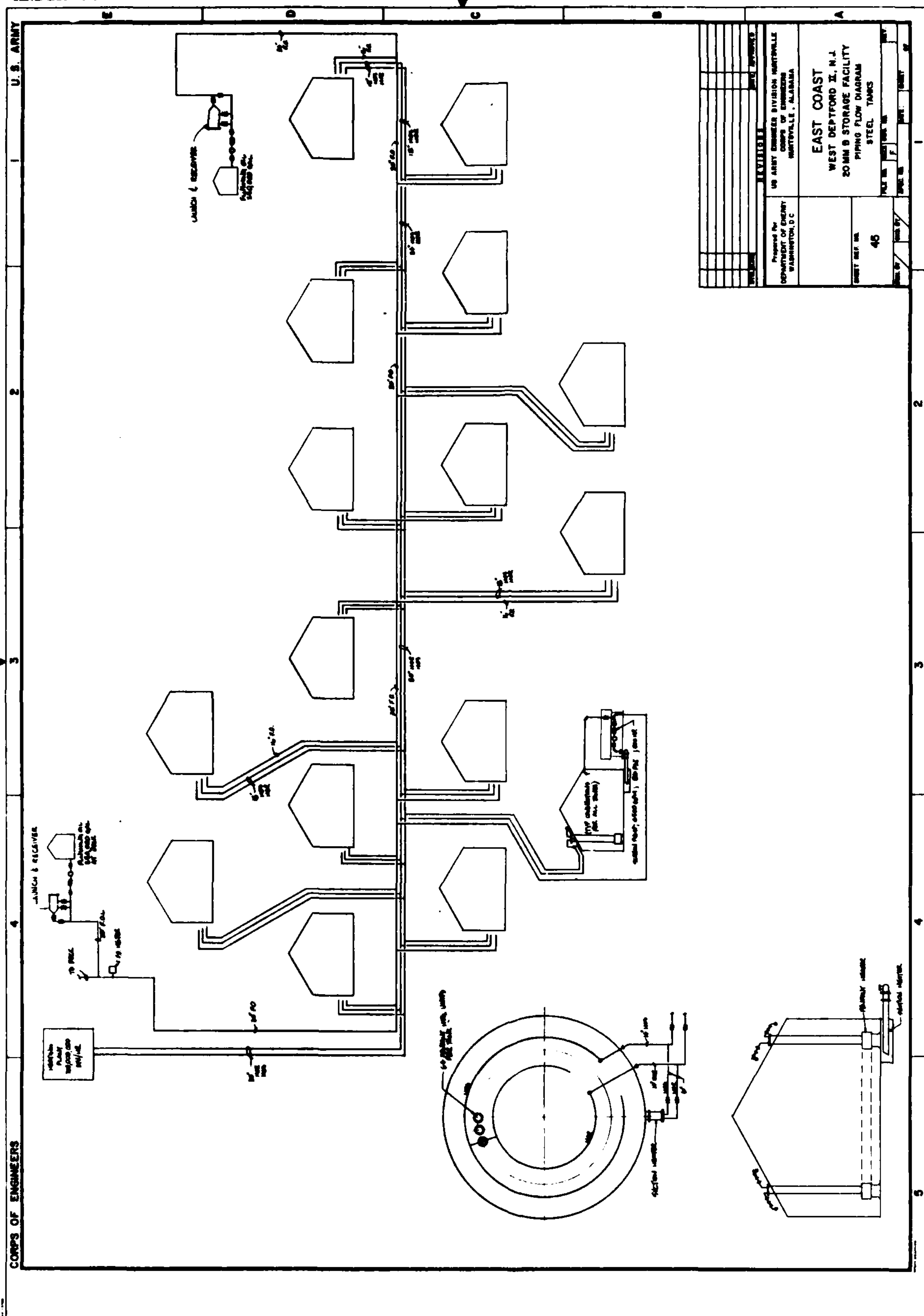
US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
EAST COAST
NORTHVILLE, N.Y.
20 MM B STORAGE FACILITY
PIPING FLOW DIAGRAM
CONCRETE TANKS
40

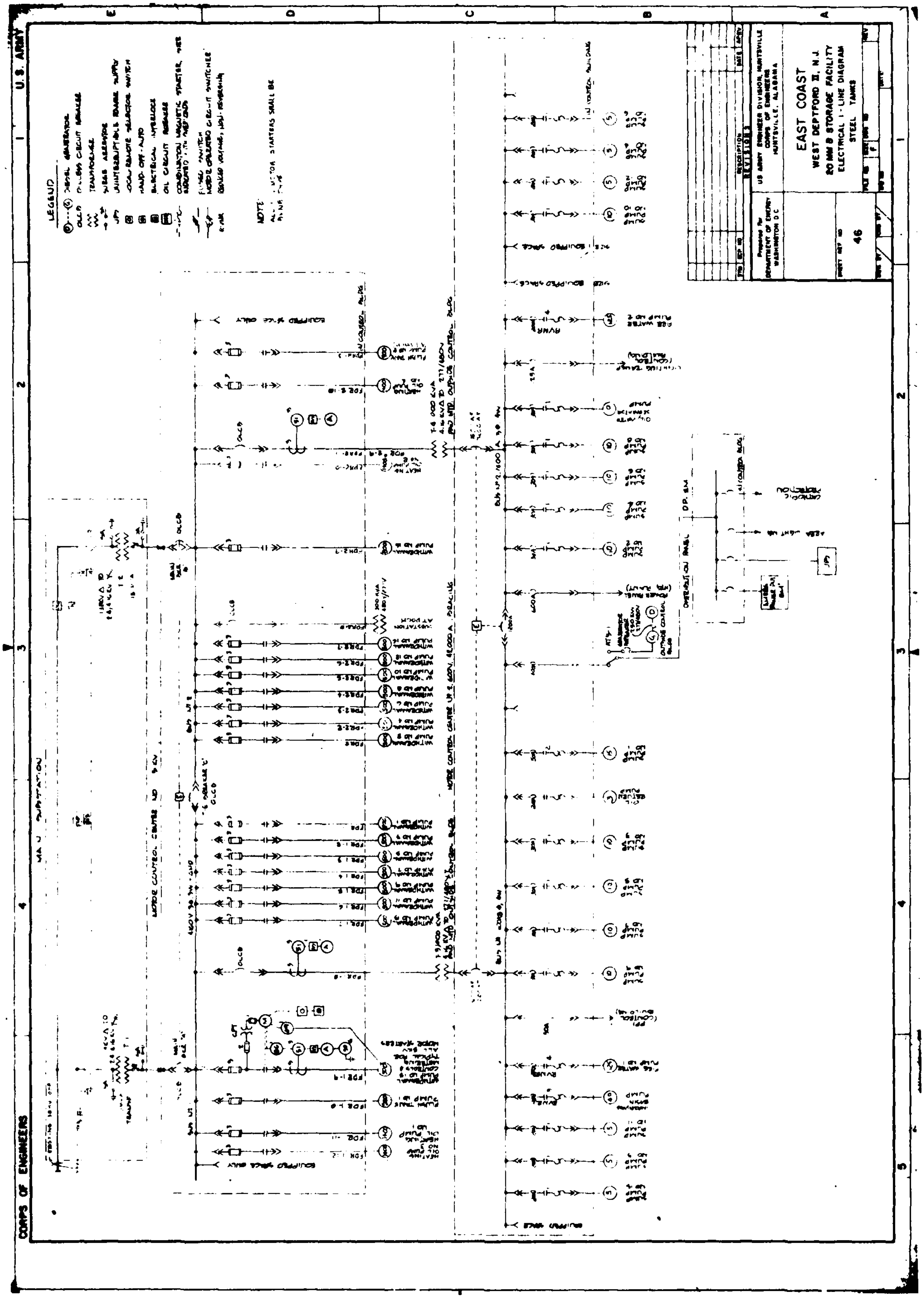

US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
Prepared for
DEPARTMENT OF ENERGY
WASHINGTON, D.C.
EAST COAST
NORTHVILLE, N.Y.
20 MM B STORAGE FACILITY
ELECTRICAL 1-LINE DIAGRAM
STEEL TANKS
41
LEGEND
CORPS OF ENGINEERS


U.S. ARMY
CORPS OF ENGINEERS
LEGEND
US ARMY ENGINEER DIVISION, HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
Prepared for
DEPARTMENT OF ENERGY
WASHINGTON, D.C.
EAST COAST
NORTHVILLE, N.Y.
ELECTRICAL 1-LINE DIAGRAM
CONCRETE TANKS
42
MOTOR CONTROL CENTER NO. 1
DISTRIBUTION PANEL

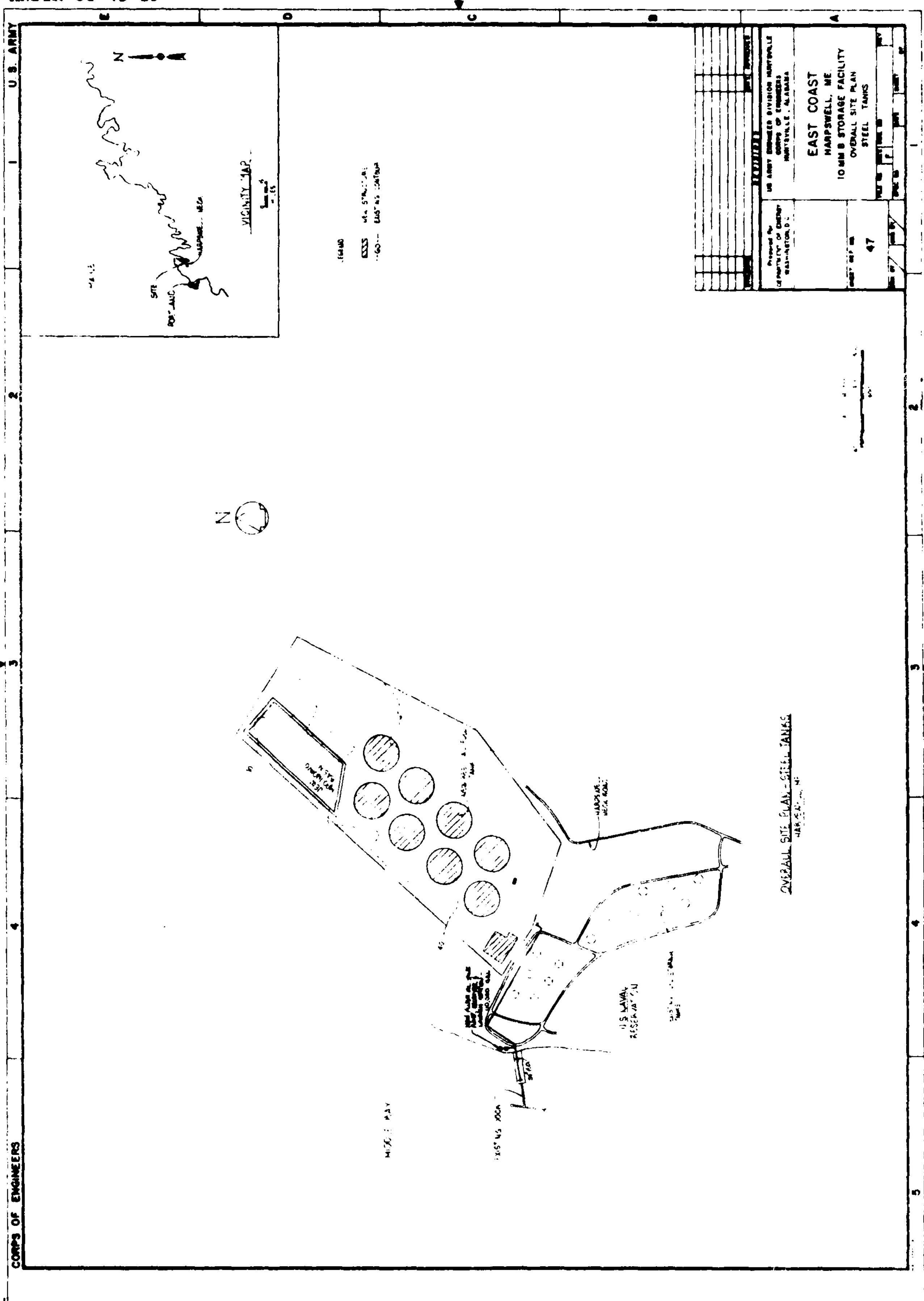

U.S. ARMY
CORPS OF ENGINEERS
VICINITY MAP
CAMDEN
NEW JERSEY
US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
Prepared for
DEPARTMENT OF ENERGY
WASHINGTON, D.C.
EAST COAST
WEST DEPTFORD II, N.J.
20 MM B STORAGE FACILITY
OVERALL SITE PLAN
STEEL TANKS
43
OVERALL SITE PLAN - STEEL TANKS


CORPS OF ENGINEERS
U. S. ARMY
DELAWARE RIVER
TIDAL FLAT
NEW DOCK
NEW CONTROL BLDG
NEW HEATING PLANT
NEW SECURITY FENCE
NEW FIRE PROTECTION FOAM SYSTEM (TYP.)
NEW 1,250,000 BBL RESIDUAL FUEL TANK 190'x48' (TYP)
NEW DRAINAGE CHANNEL
NEW OIL/WATER SEPARATOR
NEW 4" RETURN OIL LINE
NEW IMPOUNDING BASIN
NEW PATROL ROAD
PROPERTY LINE
NEW GUARD HOUSE
EXISTING ROAD
NEW DRAINAGE CHANNEL (9 CONCRETE)
N
LEGEND
F.O. FUEL OIL
F.W. FIRE PROTECTION
SEDIMENT & WATER
HEATING OIL SUPPLY
HEATING OIL RETURN
FLUSHING OIL
DEBALLASTING LINE
NOTES:
1. EXISTING ELEVATION AT NEW IMPOUNDING BASIN 9± FEET REDUCE TO 3 FEET.
2. EXISTING ELEVATION AT NEW TANKS 20± FEET. PROVIDE ELEVATION 22± FEET AT NEW TANKS.
3. SURFACE DRAIN AWAY FROM TANKS PER NFPA 30 DRAIN BY DITCHES AND CULVERTS TO NEW IMPOUNDING BASIN.
4. PROVIDE NEW 6" BOTTOM SEDIMENT AND WATER LINES ROUTING SIMILAR TO FUEL OIL LINE ROUTING.
5. NEW IMPOUNDING BASIN USED AS BALLAST WATER HOLDING POND UNTIL BALLAST WATER TREATED IN O.L/WATER SEPARATOR.
6. RESIDUAL OIL PUMP PADS SLOPED TO DRAIN BY GRAVITY TO DRAINAGE CHANNEL TO REMOVE OIL SPILLED AT PUMP STATIONS.
7. SOIL BEARING CAPACITY 2000 PSF. PRELOADING REQUIRED.
PATROL ROAD SECTION
SCALE 1" = 10'
FINISHED GRADE
DETAILED SITE PLAN - STEEL TANKS
WEST DEPTFORD II NJ
SCALE IN FEET
200 0 200 400
1" = 200
REVISIONS
Prepared for DEPARTMENT OF ENERGY WASHINGTON, D.C.
US ARMY ENGINEER DIVISION HUNTSVILLE CORPS OF ENGINEERS HUNTSVILLE, ALABAMA
EAST COAST
WEST DEPTFORD II, N.J.
20MM B STORAGE FACILITY
DETAILED SITE PLAN
STEEL TANKS
44


U.S. ARMY
CORPS OF ENGINEERS
US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
Prepared For
DEPARTMENT OF ENERGY
WASHINGTON, D.C.
EAST COAST
WEST DEPTFORD II, N.J.
20MMB STORAGE FACILITY
PIPING FLOW DIAGRAM
STEEL TANKS
46
LAUNCH & RECEIVER



U.S. ARMY
CORPS OF ENGINEERS
EAST COAST
WEST DEPTFORD II, N.J.
ELECTRICAL 1-LINE DIAGRAM
STEEL TANKS
46


U.S. ARMY
CORPS OF ENGINEERS
Prepared for
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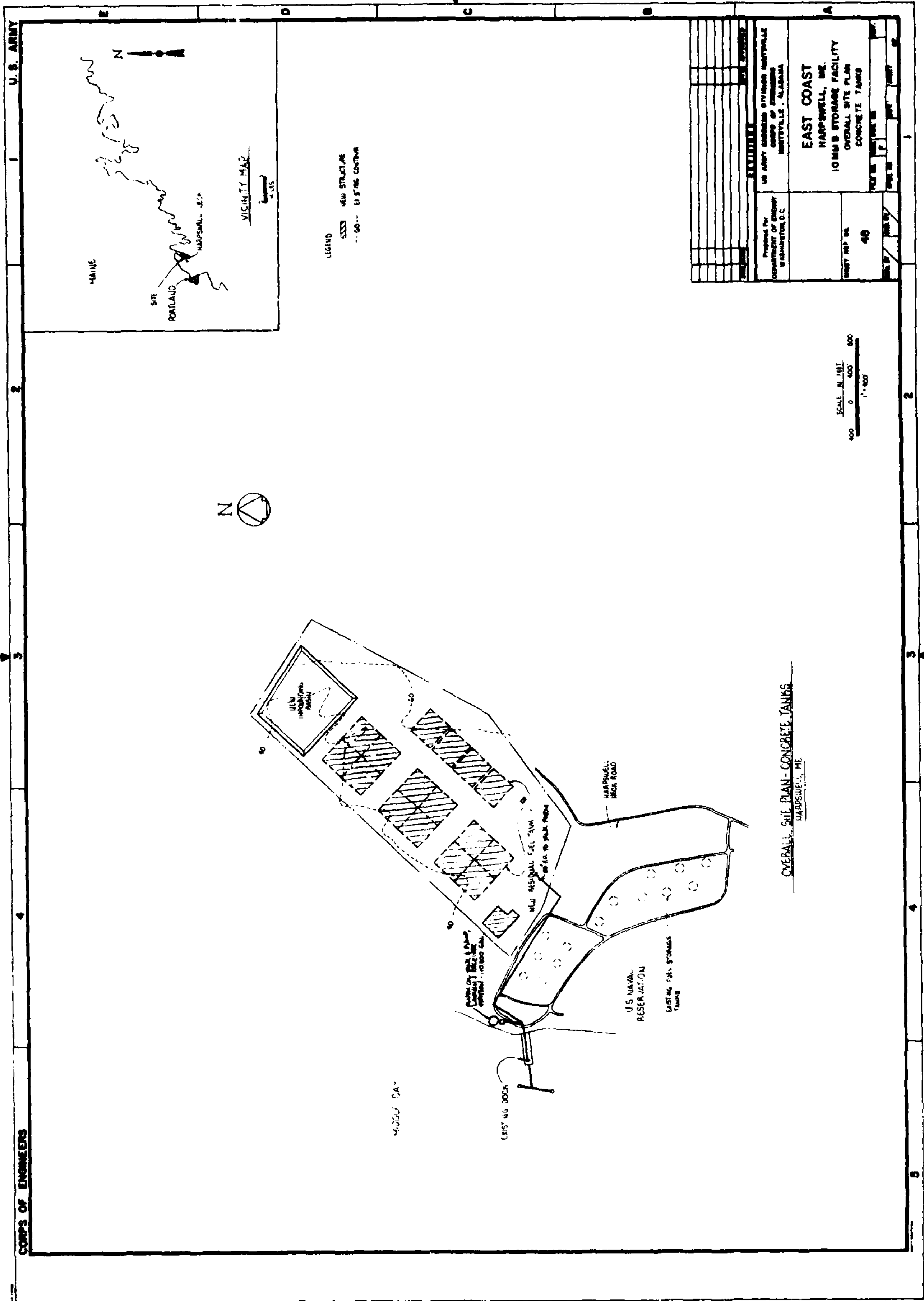
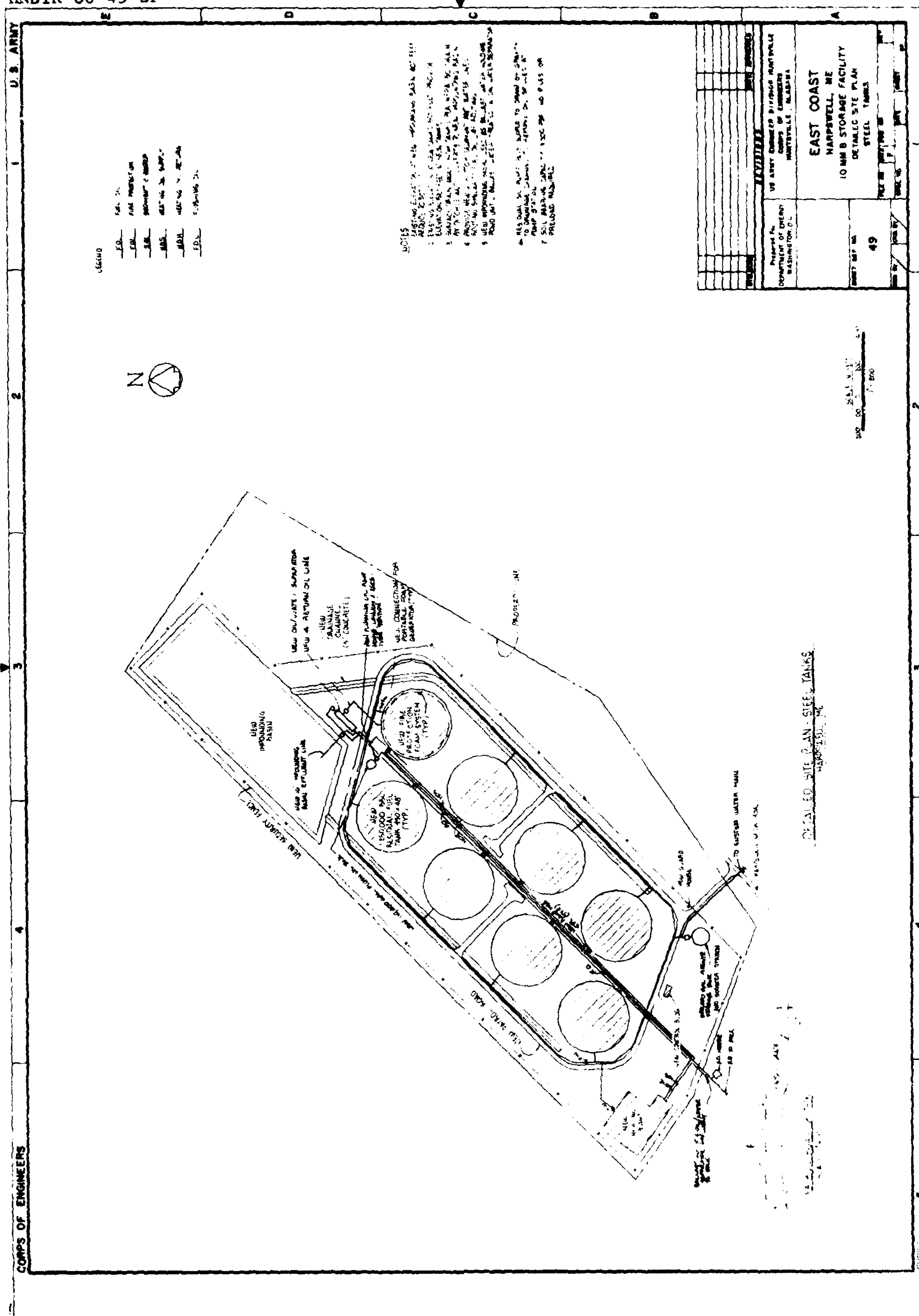
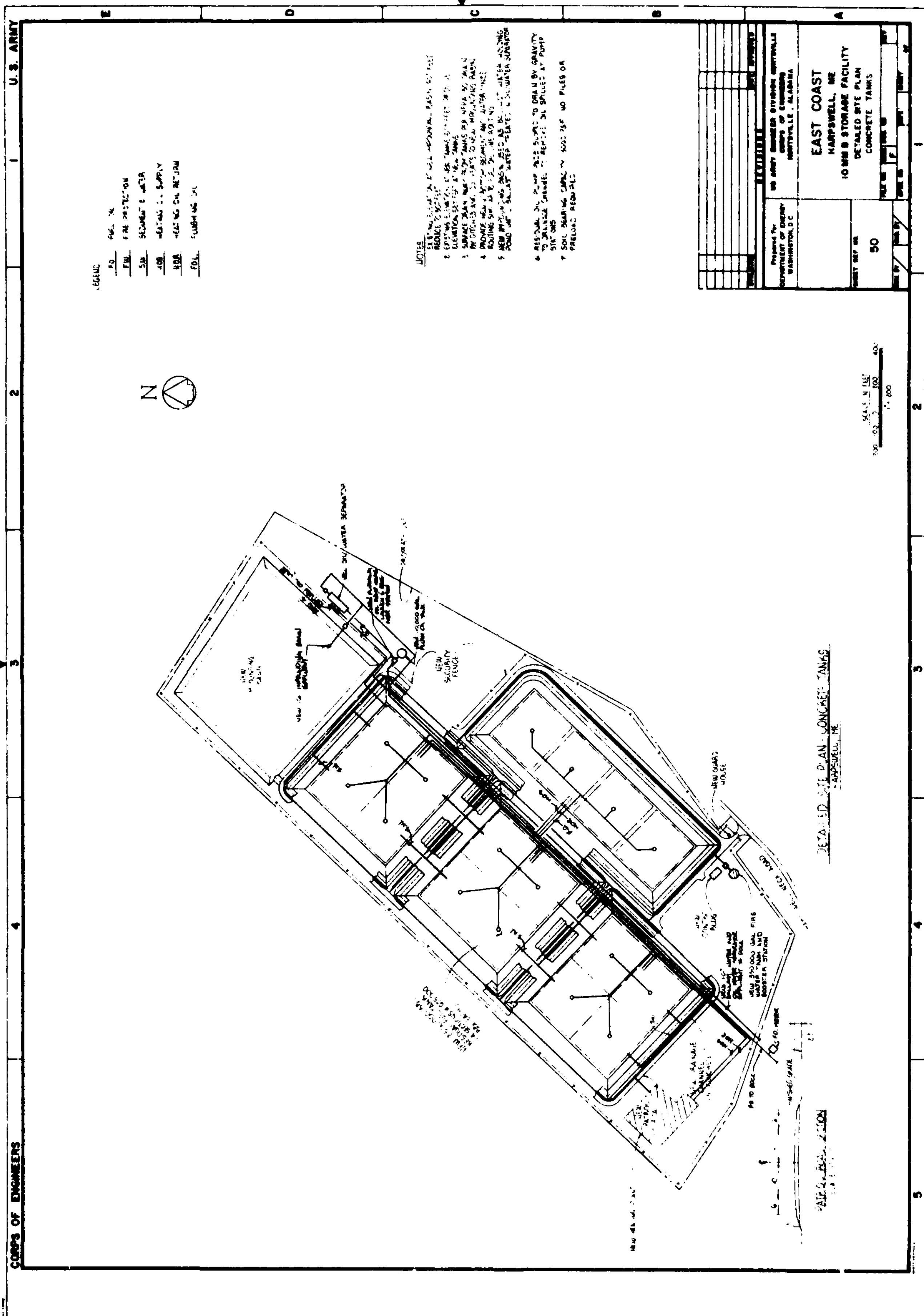
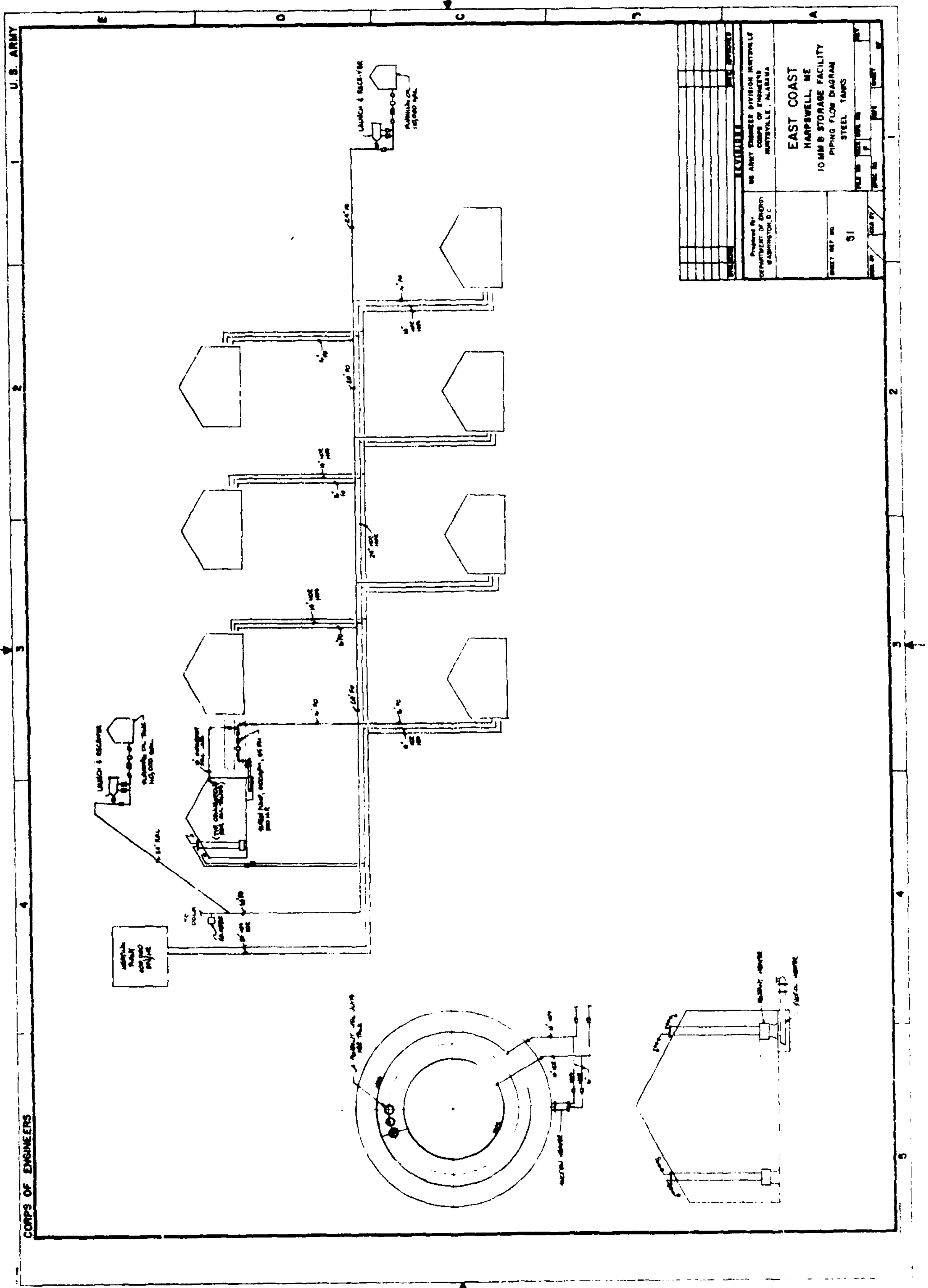
WASHINGTON, D.C.
EAST COAST
HARPSWELL, ME
10MM B STORAGE FACILITY
OVERALL SITE PLAN
STEEL TANKS
47
VICINITY MAP
OVERALL SITE PLAN - STEEL TANKS
U.S. NAVAL RESERVATION
N


U.S. ARMY
CORPS OF ENGINEERS
EAST COAST
HARPSWELL, ME.
OVERALL SITE PLAN
CONCRETE TANKS
VICINITY MAP
MAINE
PORTLAND
SITE
LEGEND
NEW STRUCTURE
SCALE IN FEET
400 0 400 800
NEW IMPOUNDING BASIN
HARPSWELL NECK ROAD
US NAVAL RESERVATION
EXISTING DOCK
OVERALL SITE PLAN - CONCRETE TANKS
HARPSWELL, ME.


U.S. ARMY
CORPS OF ENGINEERS
EAST COAST
HARPSWELL, ME
10 MM B STORAGE FACILITY
DETAILED SITE PLAN
STEEL TANKS
49
LEGEND
NOTES
N
DETAILED SITE PLAN - STEEL TANKS


U.S. ARMY
CORPS OF ENGINEERS
EAST COAST
HARPSWELL, ME
10 MM B STORAGE FACILITY
DETAILED SITE PLAN
CONCRETE TANKS
50
LEGEND
NOTES
N


U.S. ARMY
CORPS OF ENGINEERS
EAST COAST
HARPSWELL, ME
10MMB STORAGE FACILITY
PIPING FLOW DIAGRAM
STEEL TANKS
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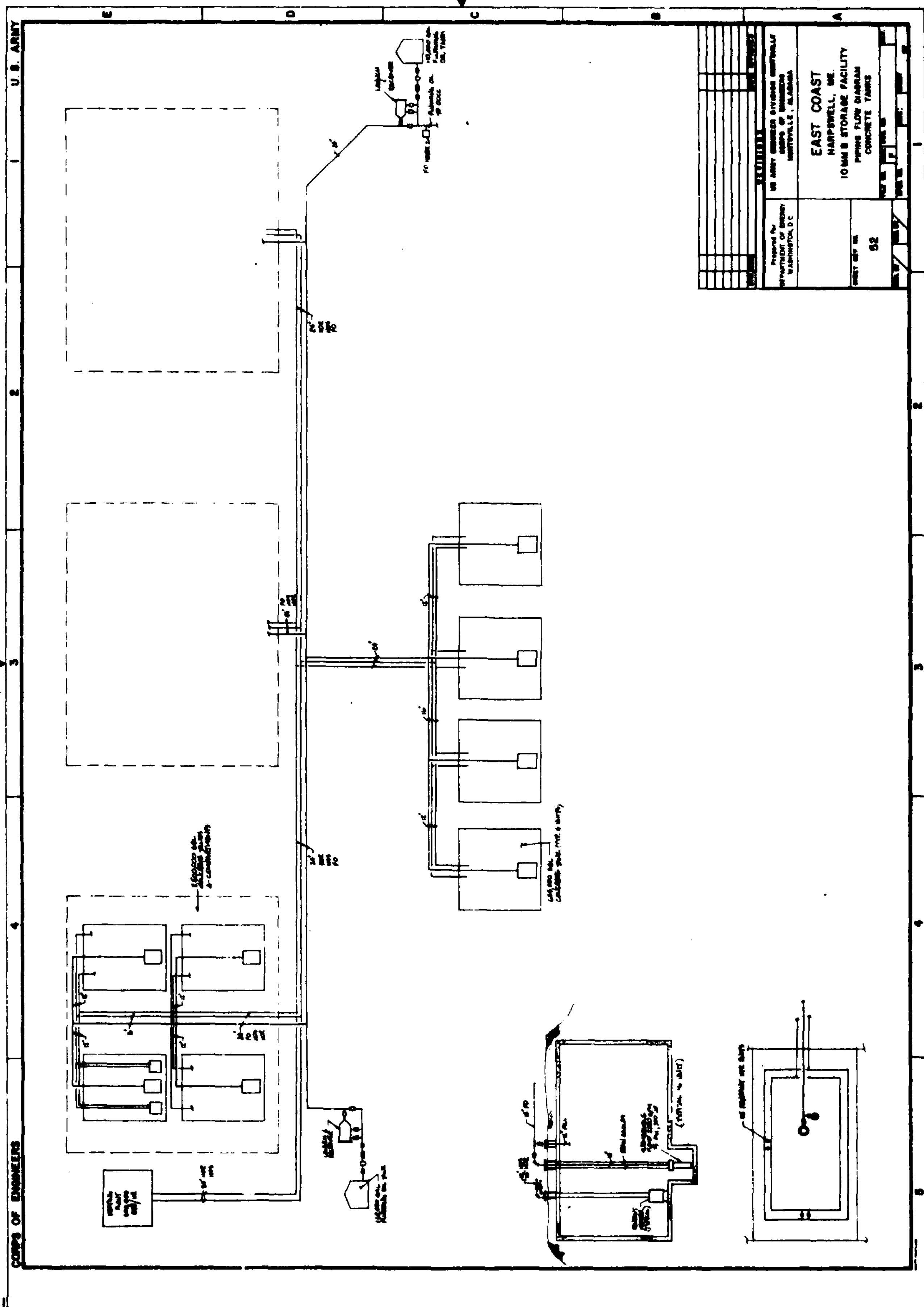
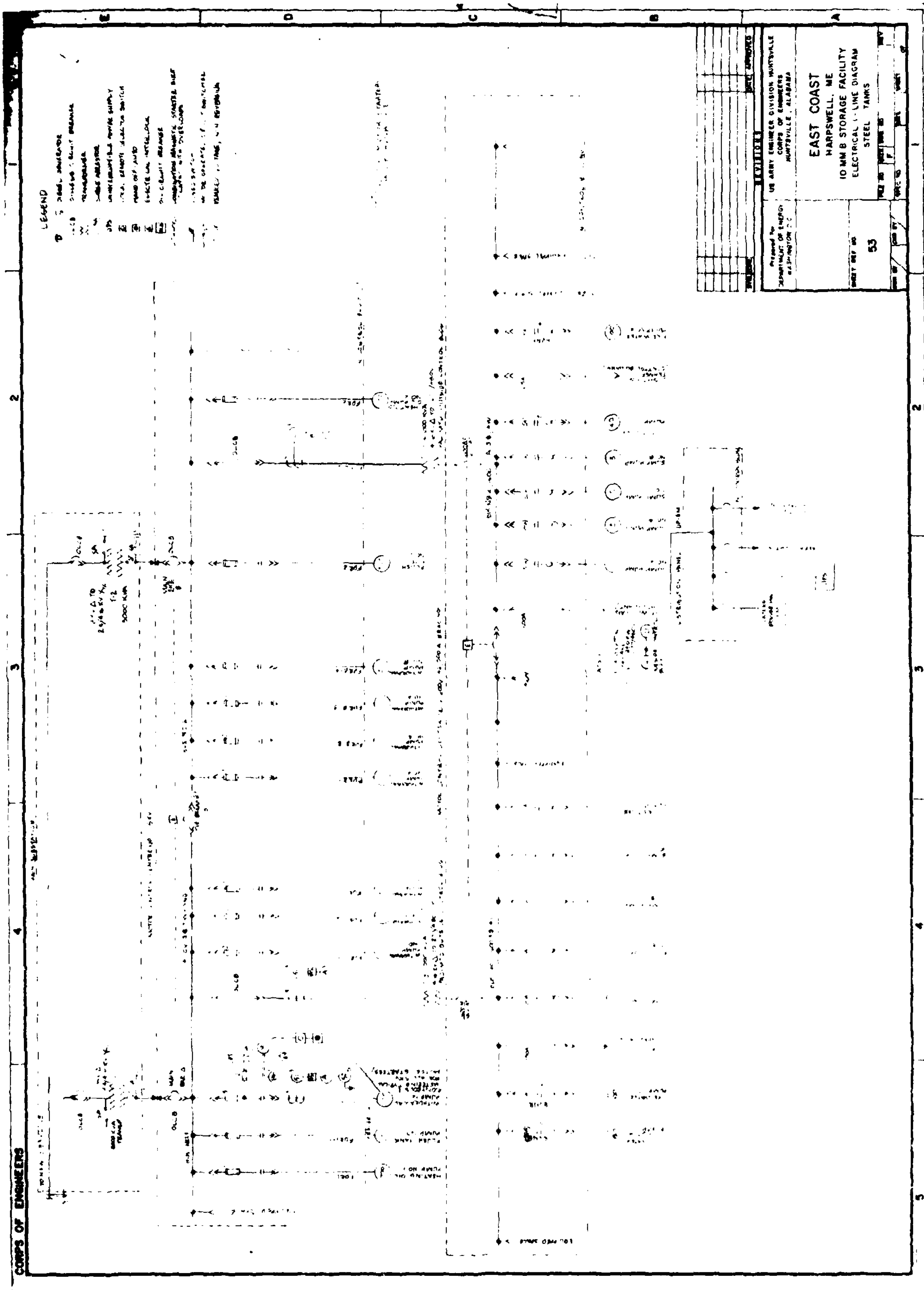
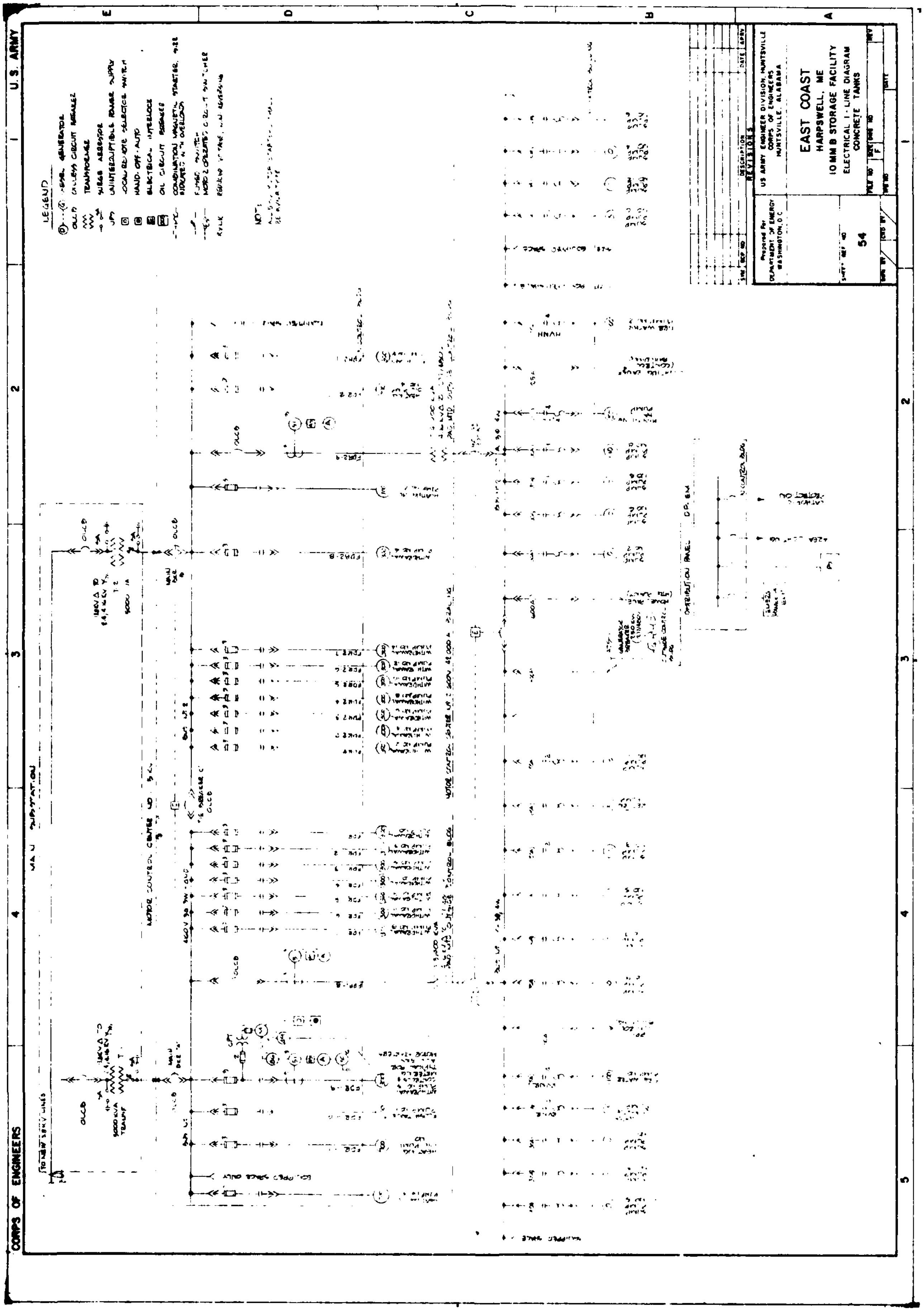
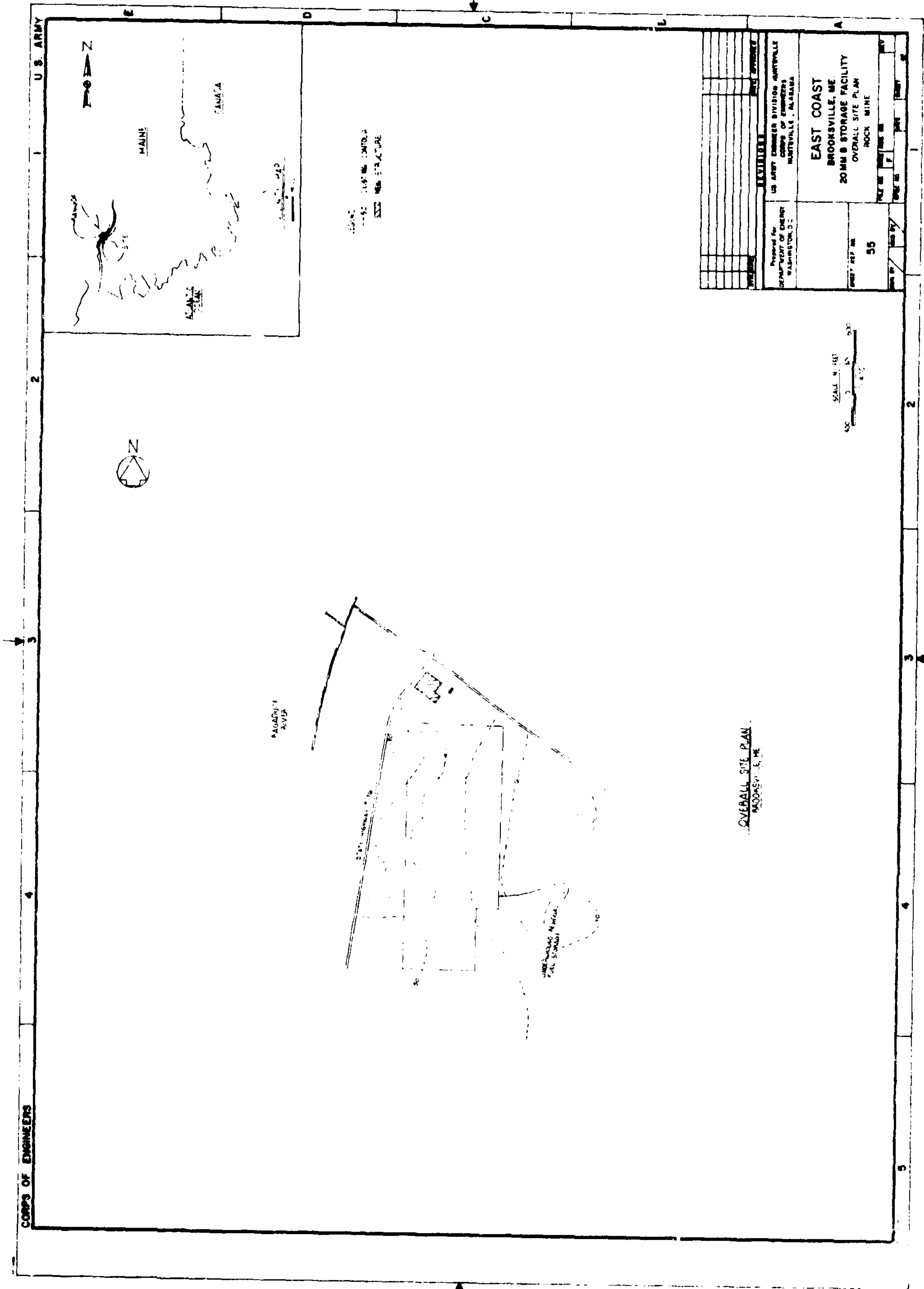
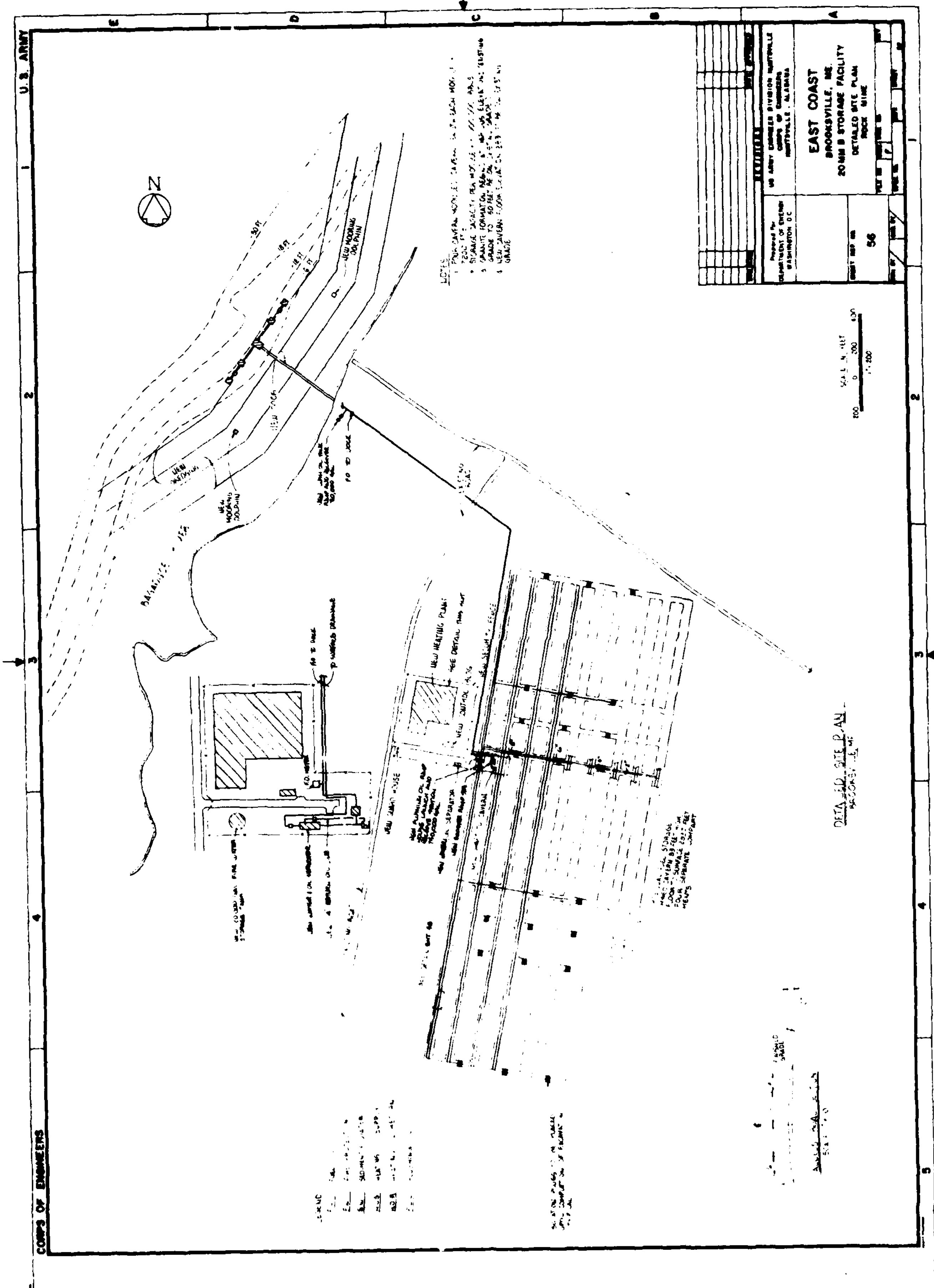
51


U.S. ARMY
CORPS OF ENGINEERS
US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
Prepared For
DEPARTMENT OF ENERGY
WASHINGTON, D.C.
EAST COAST
HARPSWELL, ME.
10 MM B STORAGE FACILITY
PIPING FLOW DIAGRAM
CONCRETE TANKS
52


EAST COAST
HARPSWELL, ME
10 MM B STORAGE FACILITY
ELECTRICAL 1-LINE DIAGRAM
STEEL TANKS
US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
LEGEND
CORPS OF ENGINEERS


U.S. ARMY
CORPS OF ENGINEERS
US ARMY ENGINEER DIVISION, HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
Prepared For
DEPARTMENT OF ENERGY
WASHINGTON, D.C.
EAST COAST
HARPSWELL, ME
10 MM B STORAGE FACILITY
ELECTRICAL 1-LINE DIAGRAM
CONCRETE TANKS
54
REVISIONS
LEGEND
NOTE
DISTRIBUTION PANEL
MOTOR CONTROL CENTER


CORPS OF ENGINEERS
U.S. ARMY
MAINE
CANADA
NEW STRUCTURE
OVERALL SITE PLAN
BROOKSVILLE, ME
SCALE IN FEET
REVISIONS
Prepared For
DEPARTMENT OF ENERGY
WASHINGTON, D.C.
US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
EAST COAST
BROOKSVILLE, ME
20MM B STORAGE FACILITY
OVERALL SITE PLAN
ROCK MINE
55


U.S. ARMY
CORPS OF ENGINEERS
EAST COAST
BROOKSVILLE, ME.
20MM B STORAGE FACILITY
DETAILED SITE PLAN
ROCK MINE
Prepared For
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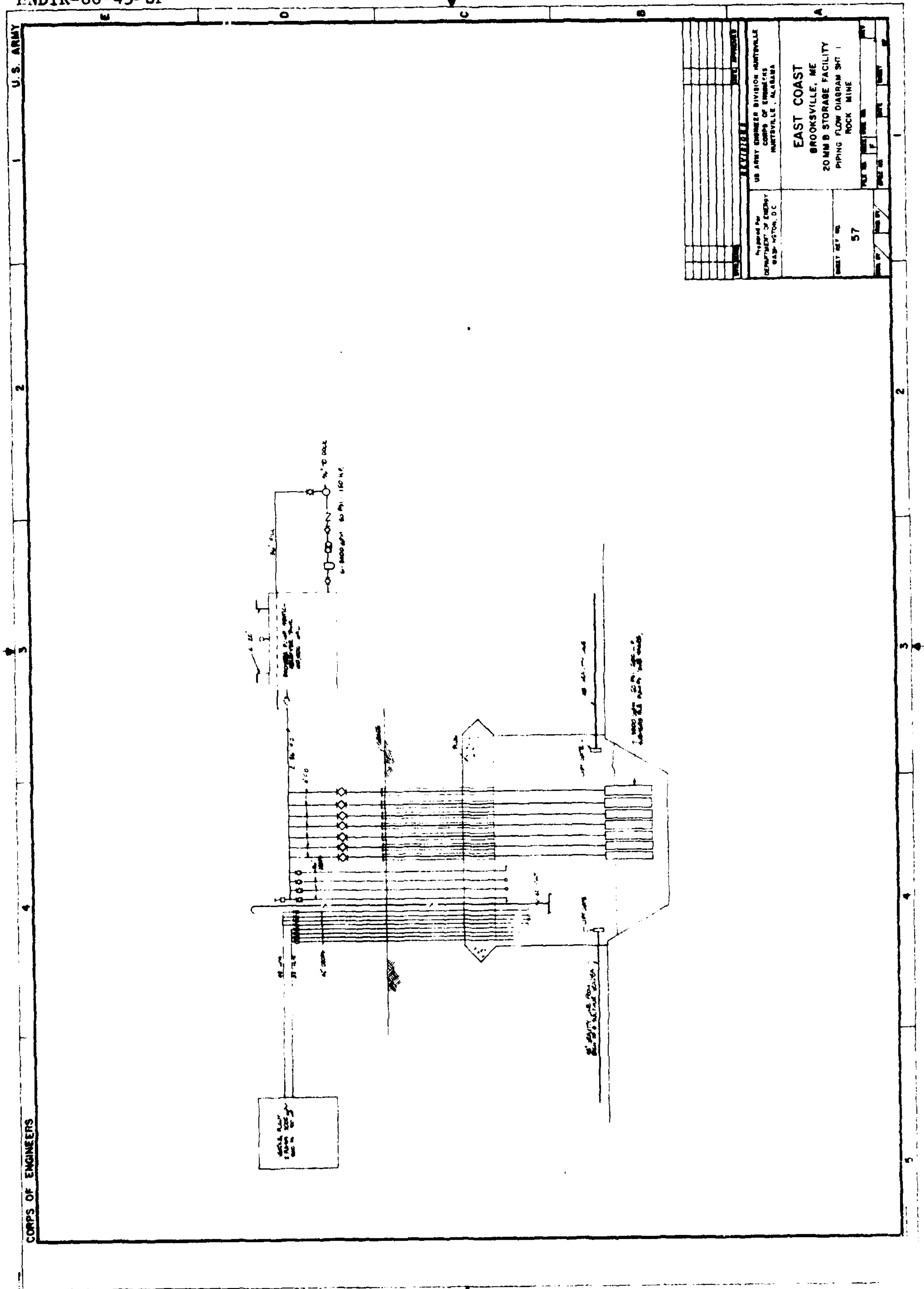
US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
56
DETAILED SITE PLAN
BROOKSVILLE, ME
NEW HEATING PLANT
SEE DETAIL THIS SHT
NEW MOORING DOLPHIN
NEW DOCK
NEW GUARD HOUSE
SCALE IN FEET
200 0 200 400
NOTES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CORPS OF ENGINEERS
US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
Prepared For
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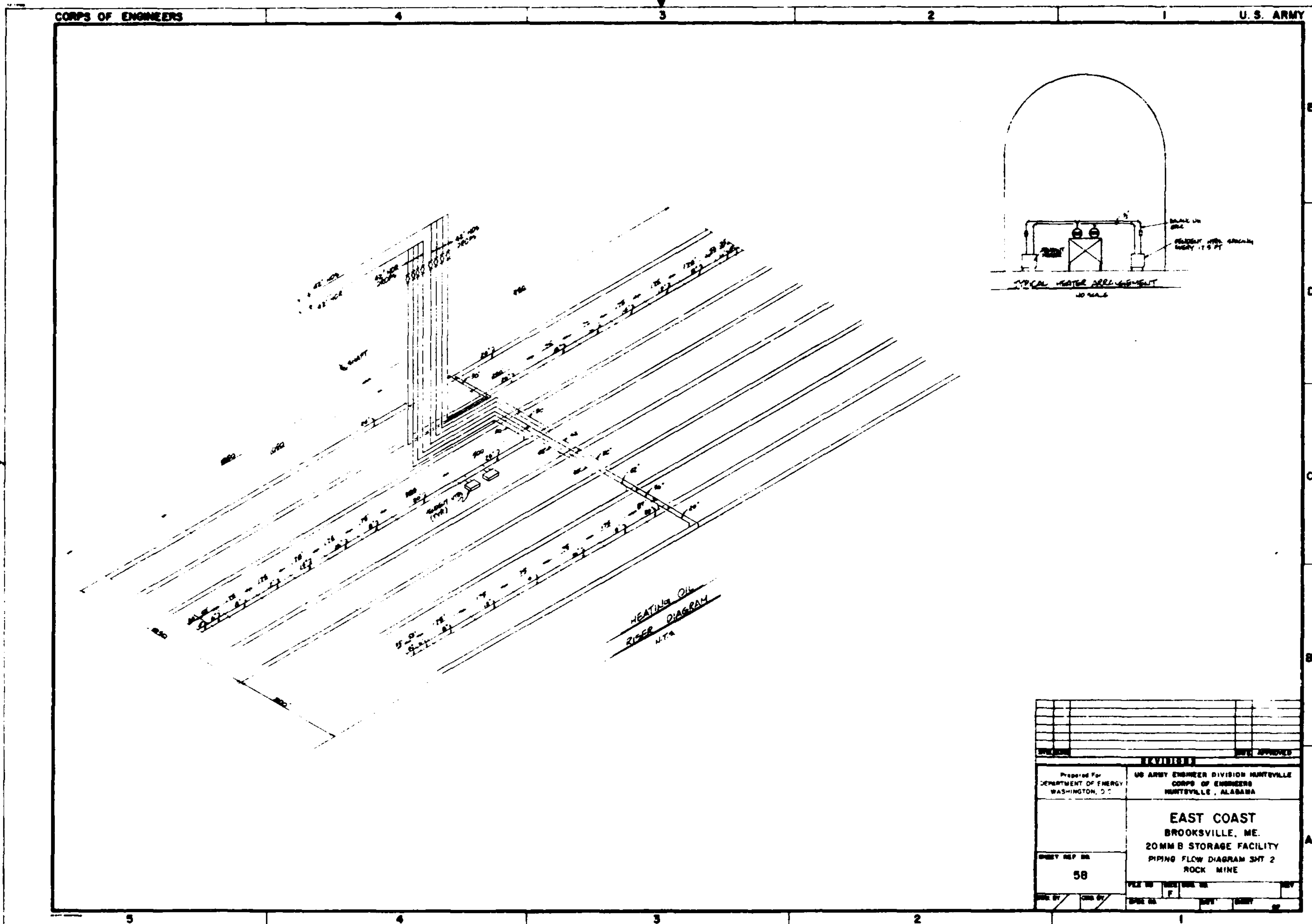
WASHINGTON, D.C.
EAST COAST
BROOKSVILLE, ME
20 MMB STORAGE FACILITY
PIPING FLOW DIAGRAM SHT 1
ROCK MINE
57


CORPS OF ENGINEERS
U.S. ARMY
TYPICAL HEATER ARRANGEMENT
NO SCALE
HEATING OIL
RISER DIAGRAM
N.T.S.
REVISIONS
Prepared For
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US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
EAST COAST
BROOKSVILLE, ME.
20MMB STORAGE FACILITY
PIPING FLOW DIAGRAM SHT 2
ROCK MINE
58

U.S. ARMY

US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA

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EAST COAST
BROOKSVILLE, ME
20MMB STORAGE FACILITY
PIPING FLOW DIAGRAM SHT 3
ROCK MINE

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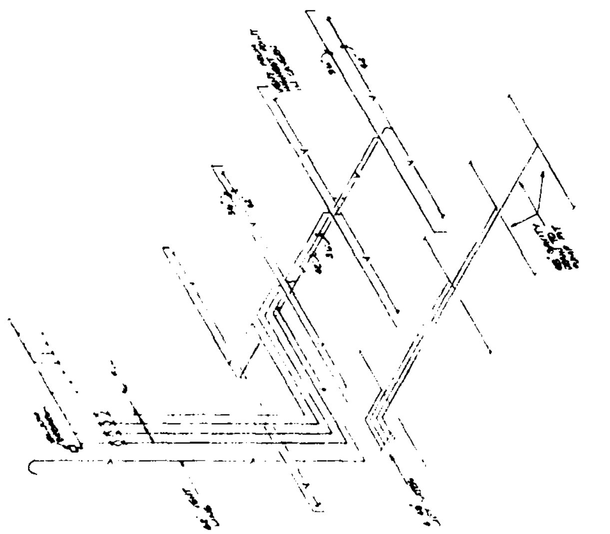
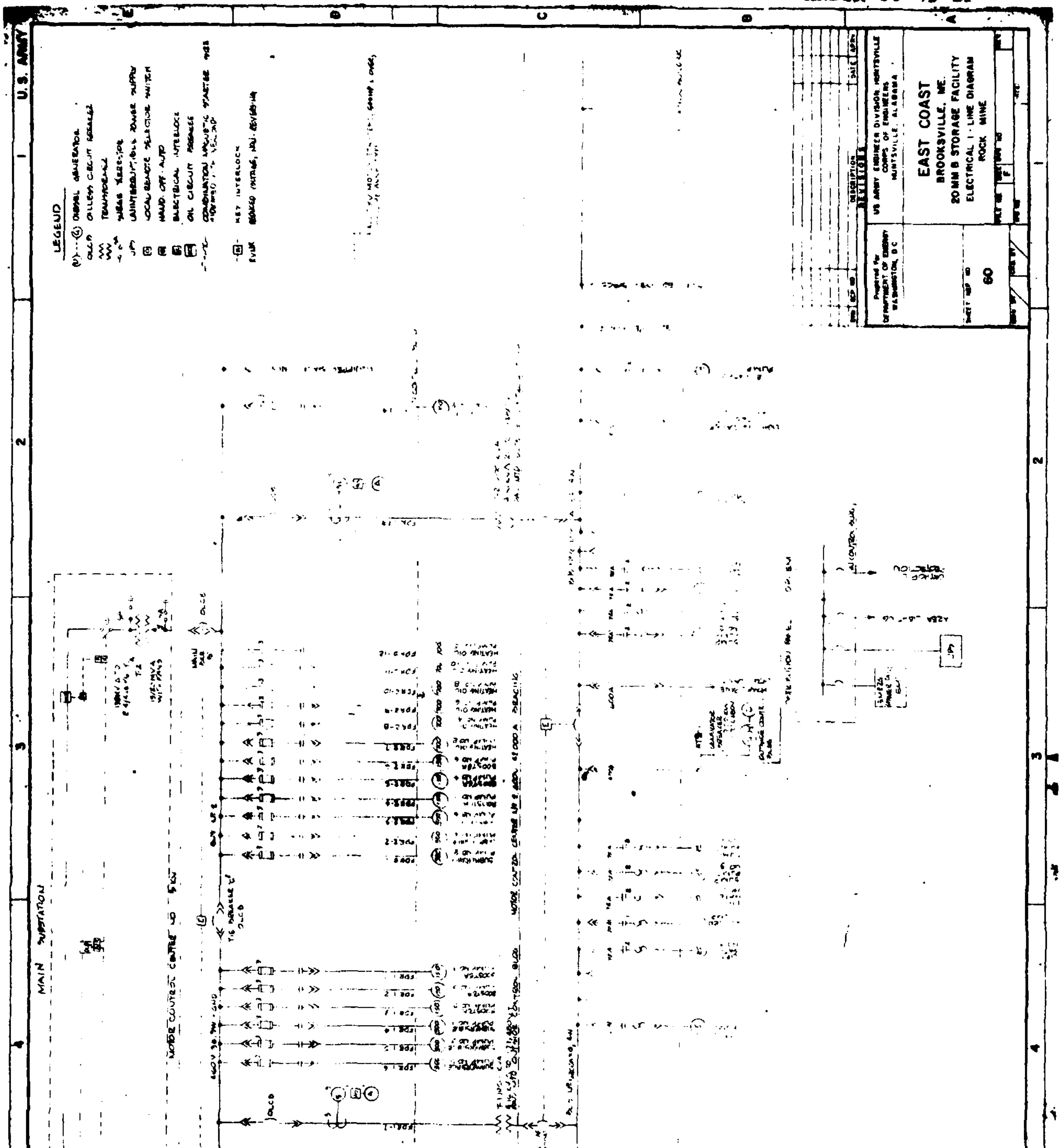


RISER DIAGRAM

CORPS OF ENGINEERS


U.S. ARMY
LEGEND
MAIN SUBSTATION
US ARMY ENGINEER DIVISION, HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
Prepared for
DEPARTMENT OF ENERGY
WASHINGTON, D.C.
EAST COAST
BROOKSVILLE, ME.
20MMB STORAGE FACILITY
ELECTRICAL 1-LINE DIAGRAM
ROCK MINE
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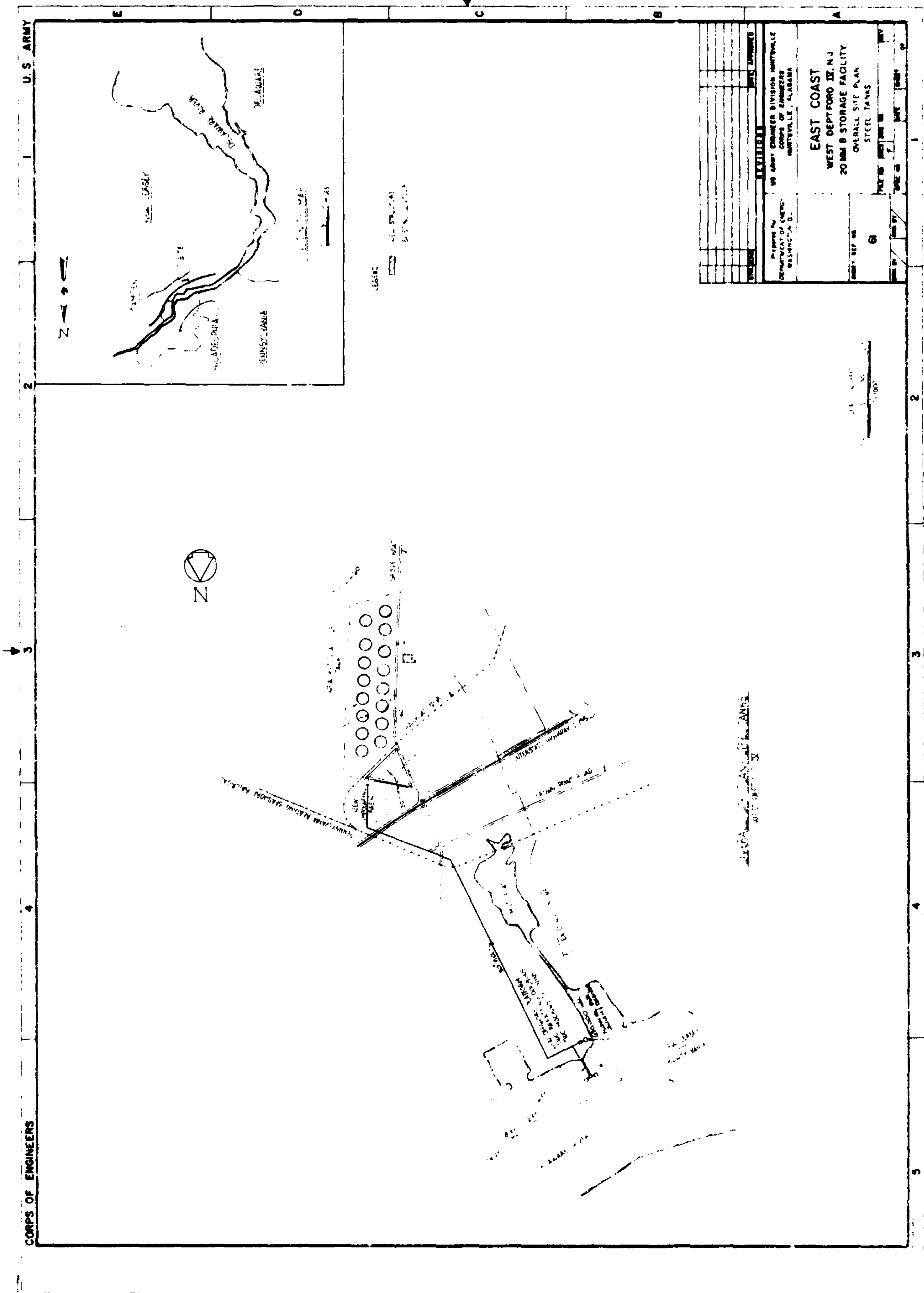
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EAST COAST
WEST DEPTFORD IX, N.J
20 MM B STORAGE FACILITY
OVERALL SITE PLAN
STEEL TANKS
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CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
DELAWARE
PENNSYLVANIA
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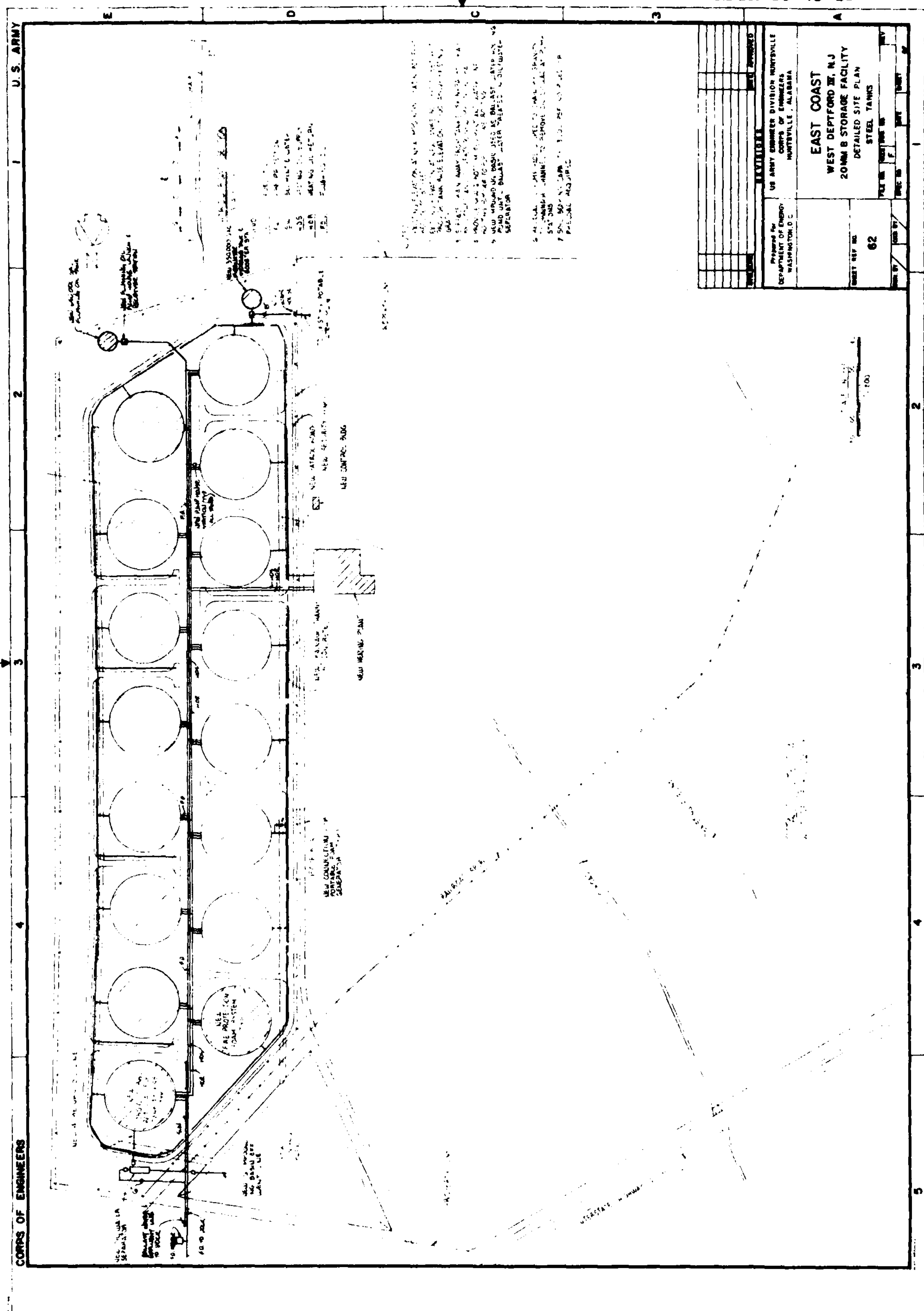
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20MM B STORAGE FACILITY
DETAILED SITE PLAN
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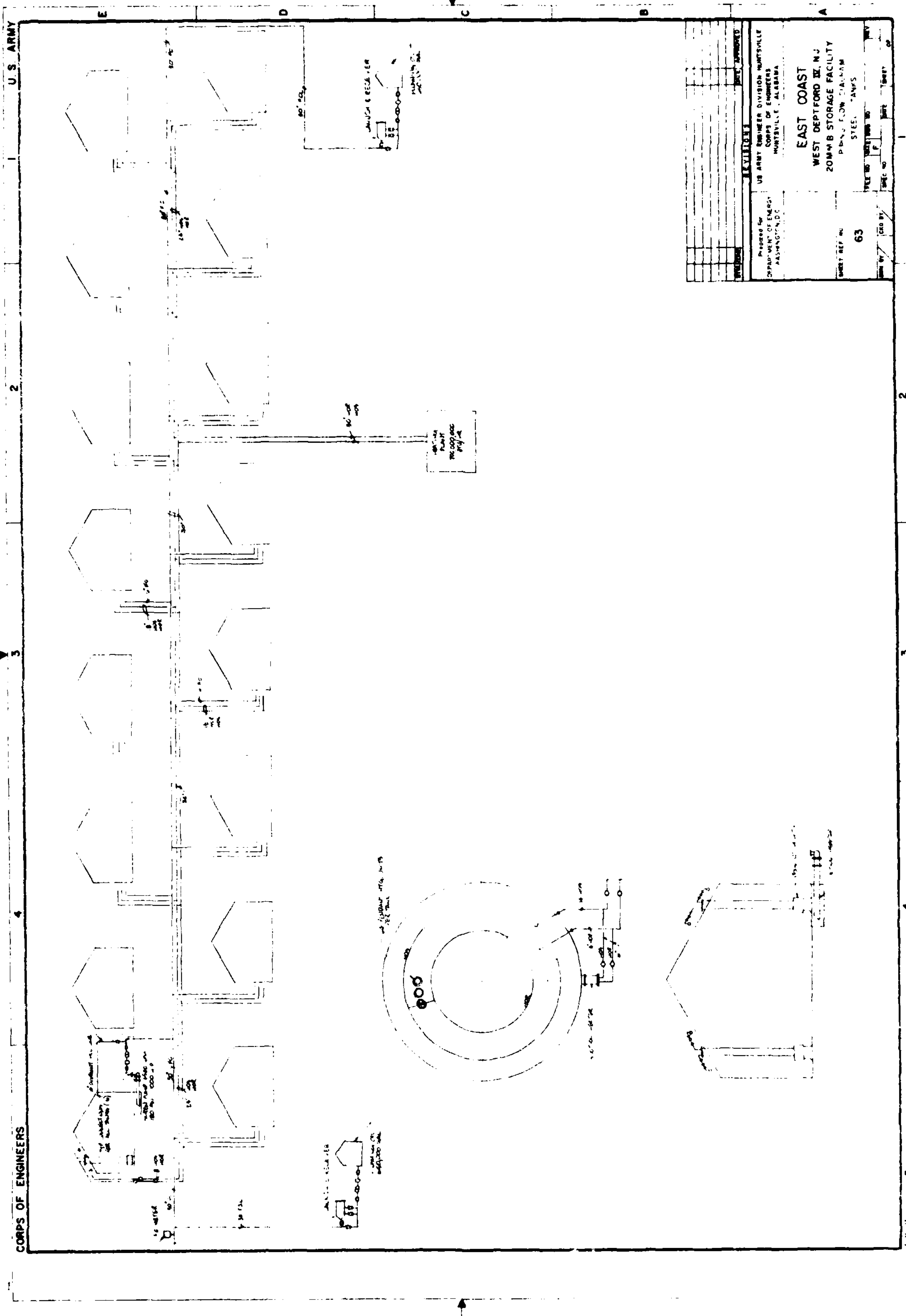
NEW HEATING PLANT
NEW CONTROL BLDG
NEW FIRE PROTECTION FOAM SYSTEM


U.S. ARMY
CORPS OF ENGINEERS
EAST COAST
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STEEL TANKS
US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
Prepared for
DEPARTMENT OF ENERGY
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U.S. ARMY
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REVISIONS
US ARMY ENGINEER DIVISION, HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA
Prepared for
DEPARTMENT OF ENERGY
WASHINGTON, D.C.
EAST COAST
WEST DEPTFORD II, N.J.
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CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA

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DRAWING INDEX

CHIEF ENG. DIV.
APPROVAL

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SPEC NO. | DATE | SHEET | OF

CHAPTER 2

CONSTRUCTION COST ESTIMATES

FOR

POTENTIAL STORAGE SITES

MODULAR COST (1980 $)

Location: Portsmouth, Va. (Steel Tanks) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

MODULE 1 - STORAGE SITE FACILITIES	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
1. Real Estate					N/A
2. Site Preparation					$5,995,300
clear, cut, fill, grade	120	AC	25,932	3,111,900	
roads	29,000	SY	23.00	667,000	
dikes				N/A	
ponds	10.6	AC	72,123	764,500	
fences	5700	LF	15.00	85,500	
all other	1	Lot		1,366,400	
3. Storage Tanks					$127,181,600
foundations	10,000,000	BBL	6.74	67,400,000	
tank fabrication and erection	10,000,000	BBL	4.90	49,000,000	
heaters	12	Tanks	838,465	10,061,600	
insulation				N/A	
all other	1	Lot		720,000	
4. Piping Systems					$10,592,100
piping (incl. valves, fittings, etc.) oil 14"Ø w/ insulation	7040	LF	292.09	2,056,300	
pumps (oil)	12	Ea	129,600	1,555,200	
fire water	27,325	LF	53.00	1,448,200	
fire foam	12	Tanks	188,225	2,258,700	
heat distribution 24"Ø, 18" Ø, 14" Ø	11,100	LF	294.00	3,263,400	

MODULAR COST (1980 $)

Location: *Portsmouth, VA*

STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES					
4. (Contd)					
potable water	600	LF	6.00	3,600	
sanitary ~~(incl. treatment)~~	600	LF	11.17	6,700	
inert gas				N/A	
vapor recovery				N/A	
all other				N/A	
5. Buildings/Structures					$59,720,200
control/administration	11,200	SF	70.00	784,000	
maint./fire/warehouse	8,000	SF	61.00	488,000	
heating plant, support, & heating medium	1	Lot		58,354,000	
guard house	120	SF	85.00	10,200	
all other	1500	SF	56.00	84,000	
6. Electrical					$4,999,600
substation	1	Lot		355,800	
distribution	1	Lot		4,103,600	
emergency (diesel gen.)	1	Lot		247,900	
exterior lighting	1	Lot		175,500	
power line to site	1	Lot		2,000	
all other	1	Lot		114,800	

MODULAR COST (1980 $)

Location: Portsmouth, VA   STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES (Contd)					
7. Instrumentation					$1,465,000
microprocessor	1	Lot		299,000	
control panels/displays	1	Lot		108,300	
security	1	Lot		195,000	
all other	1	Lot		862,700	
8. All Other Storage Site Items (Oily Water)	1	Lot		613,800	$613,800
MODULE 2 - DOCK/TERMINAL FACILITIES					
1. Real Estate					N/A
2. Dock					N/A
dock structure					
dredging					
loading arms					
fire water and foam					
control center					
electrical (incl navaids)					
fenders/dolphins					
all other					

MODULAR COST (1980 $)

Location: Portsmouth, VA. STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE II - DOCK/TERMINAL FACILITIES (Contd)					
3. Terminal					$449,400
de-ballasting (piping)	2500	LF	65.50	163,800	
surge tanks				N/A	
purge tanks	2	Ea	142,800	285,600	
booster pumps				N/A	
control center				N/A	
fire water and foam				N/A	
electrical (In Module I)				N/A	
all other				N/A	
4. All Other Dock/Terminal Items					
MODULE 3 - TRANSFER FACILITIES					
1. Real Estate					N/A
2. Pipeline					$1,690,900
pipe (incl cathotic protection)	1	Lot		129,900	
heat~~ers~~ Tape (Includes Site Piping)	1	Lot		186,600	
custody transfer metering	1	Lot		750,000	
launcher/receiver	2	Ea	312,200	624,400	
cycling capability					
all other					
3. All Other Transfer Facility Items					
TOTAL MODULES I + II + III — I: 210,567,600; II: 449,400; III: 1,690,900				TOTAL =	$212,707,900 $21.27/BBL

MODULAR COST (1980 $)

Location: Portsmouth, VA (Concrete Tanks) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

MODULE 1 - STORAGE SITE FACILITIES	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
1. Real Estate					N/A
2. Site Preparation					$12,315,300
clear, cut, fill, grade	120	AC	24,056	2,886,800	
roads	25,000	SY	23.00	575,000	
dikes (Embankment Around Tanks)	1	Lot		5,883,500	
ponds	13.3	AC	72,782	968,000	
fences	6000	LF	15.00	90,000	
all other (Turf, Drainage, Soil Study, Etc.)	1	Lot		1,912,000	
3. Storage Tanks					$149,970.500
foundations	10,000,000	BBL	9.259	92,590,000	
tank fabrication and erection	10,000,000	BBL	4.532	45,320,000	
heaters	16	Tanks	309,781	4,956,500	
insulation				N/A	
all other (Dewatering & Testing)	1	Job		7,104,000	
4. Piping Systems					$12,063,300
piping (incl. valves, fittings, etc.) oil w/insulation	8020	LF	289.31	2,320,300	
pumps (oil)	16	Ea	63,682	1,018,900	
fire water w/tank	34,200	LF	37.54	1,283,900	
fire foam	16	Tanks	212,624	3,402,000	
heat distribution	20,080	LF	200.59	4,027,900	

MODULAR COST (1980 $)

Location: Portsmouth, VA (Concrete Tanks) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES					
4. (Contd)					
potable water	600	LF	6.00	3600	
sanitary ~~(incl. treatment)~~	600	LF	11.17	6700	
inert gas					
vapor recovery					
all other					
5. Buildings/Structures					$36,879,900
control/administration	11,200	SF	70.00	784,000	
maint./fire/warehouse	8,000	SF	61.00	488,000	
heating plant & Support	1	Lot		35,513,700	
guard house	120	SF	85.00	10,200	
all other	1500	SF	56.00	84,000	
6. Electrical					5,288,000
substation	1	Lot		354,800	
distribution	1	Lot		4,381,700	
emergency (diesel gen.)	1	Lot		247,900	
exterior lighting	1	Lot		234,600	
power line to site	1	Lot		2,000	
all other				67,000	

MODULAR COST (1980 $)

Location: Portsmouth, VA (Concrete Tanks) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES (Contd)					
7. Instrumentation					$1,416,800
microprocessor	1	Lot		350,600	
control panels/displays	1	Lot		131,700	
security	1	Lot		195,000	
all other	1	Lot		739,500	
8. All Other Storage Site Items					$906,600
MODULE 2 - DOCK/TERMINAL FACILITIES					
1. Real Estate					N/A
2. Dock					N/A
dock structure					
dredging					
loading arms					
fire water and foam					
control center					
electrical (incl navaids)					
fenders/dolphins					
all other					

MODULAR COST (1980 $)

Location: Portsmouth, VA (Concrete Tanks) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE II - DOCK/TERMINAL FACILITIES (Contd)					
3. Terminal					$449,400
de-ballasting (Piping	2500	LF	65.50	163,800	
surge tanks				N/A	
purge tanks	2	EA	142,800	285,600	
booster pumps				N/A	
control center				N/A	
fire water and foam				N/A	
electrical				N/A	
all other				N/A	
4. All Other Dock/Terminal Items					
MODULE 3 - TRANSFER FACILITIES					
1. Real Estate				N/A	
2. Pipeline					$1,998,500
pipe (incl cathotic protection)	1	Lot		255,900	
heat~~ers~~ (Includes Site Piping)	1	Lot		205,400	
custody transfer metering	1	Lot		750,100	
launcher/receiver	2	Ea	393,550	787,100	
cycling capability					
all other					
3. All Other Transfer Facility Items				N/A	
TOTAL MODULES I + II + III I-$218,840,400 II-$449,400 III -$1,998,500				TOTAL =	$221,288,300 $22.13/BBL

MODULAR COST (1980 $)

Location: Canaveral, FL

STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

MODULE 1 - STORAGE SITE FACILITIES	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
1. Real Estate					N/A
2. Site Preparation					7,633,300
clear, cut, fill, grade	190	AC	14,760	2,804,400	
roads	44,000	SY	23.00	1,012,000	
dikes				N/A	
ponds	41.3	AC	59,927	2,475,000	
fences	11,700	LF	15.00	175,500	
all other (Turf, Drainage, Soil Investigation)	1	Lot		1,166,400	
3. Storage Tanks					$70,031,600
foundations w/Preload	10,000,000	BBL	1.033	10,330,000	
tank fabrication and erection	10,000,000	BBL	4.904	49,040,000	
heaters	12	Tanks	838,467	10,061,600	
insulation				N/A	
all other (Load & Test)	1	Lot		600,000	
4. Piping Systems					$11,474,600
piping (incl. valves, fittings, etc.) oil	6,000	LF	381.43	2,288,600	
pumps (oil)	12	Ea	189,000	2,268,000	
fire water	29,425	LF	51.88	1,526,600	
fire foam	12	Tanks	188,225	2,258,700	
heat distribution	10,800	LF	289.11	3,122,400	

MODULAR COST (1980 $)

Sheet 2 of 4

Location: Canaveral, FL

STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES					
4. (Contd)					
potable water	600	LF	6.00	3,600	
sanitary (incl. treatment)	600	LF	11.17	6,700	
inert gas				N/A	
vapor recovery				N/A	
all other				N/A	
5. Buildings/Structures					$35,906,200
control/administration	11,200	SF	70.00	784,000	
maint./fire/warehouse	8,000	SF	61.00	488,000	
heating plant	1	Lot		34,540,000	
guard house	120	SF	85.00	10,200	
all other	1500	SF	56.00	84,000	
6. Electrical					$10,102,600
substation	1	Lot		698,200	
distribution	1	Lot		2,816,400	
emergency (diesel gen.)	1	Lot		247,900	
exterior lighting	1	Lot		262,800	
power line to site				5,964,000	
all other	1	Lot		113,300	

MODULAR COST (1980 $)

Location: Canaveral, FL STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES (Contd)					
7. Instrumentation					$1,643,400
microprocessor	1	Lot		395,000	
control panels/displays	1	Lot		170,200	
security	1	Lot		407,000	
all other	1	Lot		671,200	
8. All Other Storage Site Items (Oily Water)	1	Lot		672,000	$672,000
MODULE 2 - DOCK/TERMINAL FACILITIES					
1. Real Estate					N/A
2. Dock					N/A
dock structure					
dredging					
loading arms					
fire water and foam					
control center					
electrical (incl navaids)					
fenders/dolphins					
all other					

MODULAR COST (1980 $)

Location: Canaveral, FL

STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE II - DOCK/TERMINAL FACILITIES (Contd)					
3. Terminal					$1,075,200
de-ballasting	1	Lot		657,200	
surge tanks				N/A	
purge tanks	1	Lot		285,600	
booster pumps				N/A	
control center				N/A	
fire water and foam				N/A	
electrical	1	Lot		132,400	
all other				N/A	
4. All Other Dock/Terminal Items					N/A
MODULE 3 - TRANSFER FACILITIES					
1. Real Estate Easement	1	Lot		322,000	$322,000
2. Pipeline					$9,239,800
pipe (incl cathotic protection)	29,150	LF	242.48	7,068,300	
~~heaters~~ heater Tape	1	Lot		606,000	
custody transfer metering	1	Lot		750,000	
launcher/receiver	2	Ea	407,750	815,500	
cycling capability				N/A	
all other				N/A	
3. All Other Transfer Facility Items				N/A	
TOTAL MODULES I + II + III I- $137,463,700 II- 1,075,200 9,561,800				TOTAL =	$148,100,700 $14.81/BBL

MODULAR COST (1980 $)

Location: Portsmouth, N.H. (Steel Tanks) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

MODULE 1 - STORAGE SITE FACILITIES	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
1. Real Estate					N/A
2. Site Preparation					$5,235,200
clear, cut, fill, grade	80	AC	27,546	2,203,700	
roads	26,000	SY	21.00	546,000	
dikes				N/A	
ponds	13.54	AC	96,307	1,304,000	
fences	9,700	LF	13.85	134,400	
all other (Turf, Drainage, Soils Etc.)	1	Lot		1,047,100	
3. Storage Tanks					$64,914,300
foundations	10,000,000	BBLS	0.9612	9,612,000	
tank fabrication and erection	10,000,000	BBLS	4.5436	45,436,000	
heaters	12	TANKS	776,358	9,316,300	
insulation				N/A	
all other (Fill & Test)	1	Lot		550,000	
4. Piping Systems					$9,554,800
piping (incl. valves, fittings, etc.) oil	4600	LF	342.12	1,573,800	
pumps (oil)	14	Ea	140,000	1,680,000	
fire water	29,616	LF	47.96	1,420,400	
fire foam	[illegible]	TANKS	174,283	2,091,400	
heat distribution	9200	LF	302.14	2,779,700	

MODULAR COST (1980 $)

Location: Portsmouth, N.H. (Steel Tanks) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES					
4. (Contd)					
potable water	600	LF	5.50	3,300	
sanitary ~~(incl. treatment)~~	600	LF	10.33	6,200	
inert gas				N/A	
vapor recovery				N/A	
all other				N/A	
5. Buildings/Structures					$56,718,000
control/administration	11,200	SF	65.00	728,000	
maint./fire/warehouse	8,000	SF	56.50	452,000	
heating plant	1	Lot		55,450,500	
guard house	120	SF	79.00	9,500	
all other	1500	SF	52.00	78,000	
6. Electrical					$4,587,900
substation	1	Lot		390,000	
distribution	1	Lot		3,711,000	
emergency (diesel gen.)	1	Lot		229,600	
exterior lighting	1	Lot		147,200	
power line to site	1	Lot		2,000	
all other	1	Lot		108,100	

MODULAR COST (1980 $)

Location: Portsmouth, N.H. (Steel Tanks) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES (Contd)					
7. Instrumentation					$1,379,300
microprocessor	1	Lot		187,900	
control panels/displays	1	Lot		117,900	
security	1	Lot		328,400	
all other	1	Lot		745,100	
8. All Other Storage Site Items	1	Lot		538,800	$538,800
MODULE 2 - DOCK/TERMINAL FACILITIES					
1. Real Estate					N/A
2. Dock					N/A
dock structure					
dredging					
loading arms					
fire water and foam					
control center					
electrical (incl navaids)					
fenders/dolphins					
all other					

MODULAR COST (1980 $)

Location: Portsmouth, N.H. (Steel Tanks) STORAGE CAPACITY: 10,000,000 BBL #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE II - DOCK/TERMINAL FACILITIES (Contd)					
3. Terminal					$871,500
de-ballasting	1	Lot		608,500	
surge tanks				N/A	
purge tanks	2	Ea	127,700	255,400	
booster pumps				N/A	
control center				N/A	
fire water and foam				N/A	
electrical	1	Lot		7,600	
all other				N/A	
4. All Other Dock/Terminal Items					N/A
MODULE 3 - TRANSFER FACILITIES					
1. Real Estate	1	Lot		45,500	$45,000
2. Pipeline					$2,986,700
pipe (incl cathotic protection)	6800	LF	207.15	1,408,600	
hea~~ters~~ Tape	1	Lot		305,600	
custody transfer metering	1	Lot		694,500	
launcher/receiver	2	Ea	289,000	578,000	
cycling capability				N/A	
all other				N/A	
3. All Other Transfer Facility Items					N/A
TOTAL MODULES I + II + III I-$142,928,300 II- $871,500 III- $3,031,700				TOTAL =	$146,831,500 $14.68/BBL

MODULAR COST (1980 $)

Sheet 1 of 4

Location: Portsmouth, N.H. (Concrete Tanks) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

MODULE 1 - STORAGE SITE FACILITIES	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
1. Real Estate					N/A
2. Site Preparation					$11,973,100
clear, cut, fill, grade	130	AC	26,773	3,480,500	
roads	57,000	SY	21.00	1,197,000	
dikes (*Embankment & Backfill Around Tanks*)	1	Lot		3,219,000	
ponds	13.54	AC	96,307	1,304,000	
fences	15,000	LF	13.85	207,800	
all other	1	*Lot*		2,564,800	
3. Storage Tanks					$53,546,300
foundations	10,000,000	BBL	0.67	6,700,000	
tank fabrication and erection	10,000,000	BBL	3.566	35,660,000	
heaters	16	TANKS	382,442	4,589,300	
insulation				N/A	
all other (Dewatering, Testing)	1	Lot		6,597,000	
4. Piping Systems					$11,449,200
piping (incl. valves, fittings, etc.) oil	8400	LF	260.44	2,187,700	
pumps (oil)	~~16~~	~~Ea~~	~~58,406~~	~~934,500~~	
fire water	34,016	LF	46.75	1,590,300	
fire foam	16	Tanks	196,875	3,150,000	
heat distribution	20,600	LF	173.65	3,577,200	

MODULAR COST (1980 $)

Location: Portsmouth, N.H. (Concrete Tanks) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES					
4. (Contd)					
potable water	600	LF	5.50	3,300	
sanitary ~~(incl. treatment)~~	600	LF	10.33	6,200	
inert gas				N/A	
vapor recovery				N/A	
all other				N/A	
5. Buildings/Structures					$34,150,000
control/administration	11,200	SF	65.00	728,000	
maint./fire/warehouse	8,000	SF	56.50	452,000	
heating plant	1	Lot		32,883,000	
guard house	120	SF	79.00	9,500	
all other	1500	SF	52.00	78,000	
6. Electrical					$4,354,100
substation	1	Lot		390,000	
distribution	1	Lot		3,502,900	
emergency (diesel gen.)	1	Lot		229,600	
exterior lighting	1	Lot		144,400	
power line to site	1	Lot		2,000	
all other	1	Lot		85,200	

MODULAR COST (1980 $)

Location: Portsmouth, N.H. (Concrete Tanks) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES (Contd)					
7. Instrumentation					$1,740,900
microprocessor	1	Lot		354,300	
control panels/displays	1	Lot		130,800	
security	1	Lot		327,400	
all other	1	Lot		928,400	
8. All Other Storage Site Items	1	Lot		616,600	$616,600
MODULE 2 - DOCK/TERMINAL FACILITIES					
1. Real Estate					N/A
2. Dock					N/A
dock structure					
dredging					
loading arms					
fire water and foam					
control center					
electrical (incl navaids)					
fenders/dolphins					
all other					

MODULAR COST (1980 $)

Location: Portsmouth, N.H. (Concrete Tanks) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE II - DOCK/TERMINAL FACILITIES (Contd)					
3. Terminal					$876,400
de-ballasting	1	Lot		621,000	
surge tanks				N/A	
purge tanks	2	Ea	127,700	255,400	
booster pumps				N/A	
control center				N/A	
fire water and foam				N/A	
electrical (In Module I)					
all other				N/A	
4. All Other Dock/Terminal Items					N/A
MODULE 3 - TRANSFER FACILITIES					
1. Real Estate	1	Lot		45,500	$45,500
2. Pipeline					$3,280,700
pipe (incl cathotic protection)	6800	LF	199.28	1,355,100	
heat~~ers~~ Tape	1	Lot		371,100	
custody transfer metering	1	Lot		694,500	
launcher/receiver	2	Ea	430,000	860,000	
cycling capability				N/A	
all other				N/A	
3. All Other Transfer Facility Items					N/A
TOTAL MODULES I + II + III I- $117,830,700 II- $ 876,400 III- $ 3,326,200				TOTAL =	$122,033,300 $12.20/BBL

MODULAR COST (1980 $)

Sheet 1 of 4

Location: Calverton, N.Y. (Concrete Tanks) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

MODULE 1 - STORAGE SITE FACILITIES	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
1. Real Estate					N/A
2. Site Preparation					$14,185,300
clear, cut, fill, grade	138	AC	44,256	6,107,300	
roads	46,000	SY	27.00	1,242,000	
dikes	445,000	CY	7.00	3,115,000	
ponds	7.8	AC	102,500	799,500	
fences	9570	LF	17.60	168,500	
all other(Turf, Drainage, Soil Study, Etc)	1	Lot		2,753,000	
3. Storage Tanks					$74,564,100
foundations	10,000,000	BBL	1.1383	11,383,000	
tank fabrication and erection	10,000,000	BBL	4.9012	49,012,000	
heaters	1	Lot		5,813,100	
insulation				N/A	
all other (Dewatering & Testing)	1	Lot		8,356,000	
4. Piping Systems					$15,537,400
piping (incl. valves, fittings, etc.) oil	8,600	LF	328.32	2,823,600	
pumps (oil)	16	Ea	190,000	3,040,000	
fire water	30,375	LF	60.42	1,835,300	
fire foam	16	Tanks	249,375	3,990,000	
heat distribution	17,200	LF	223.05	3,836,500	

AD-A144 650 EAST COAST REGIONAL PETROLEUM RESERVE (RPR) VOLUME 2 2/3
POTENTIAL STORAGE SI..(U) ARMY ENGINEER DIV HUNTSVILLE
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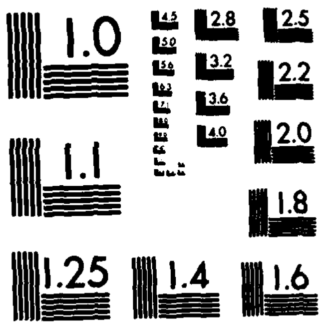

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MODULAR COST (1980 $)

Location: Calverton, N.Y. (Concrete Tanks) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES					
4. (Contd)					
potable water	600	LF	7.00	4200	
sanitary (~~incl. treatment~~)	600	LF	13.00	7800	
inert gas				N/A	
vapor recovery				N/A	
all other				N/A	
5. Buildings/Structures					$43,000,700
control/administration	11,200	SF	82.00	918,400	
maint./fire/warehouse	8,000	SF	72.00	576,000	
heating plant	1	Lot		41,395,300	
guard house	120	SF	100.00	12,000	
all other	1500	SF	66.00	99,000	
6. Electrical					$6,863,800
substation	1	Lot		520,600	
distribution	1	Lot		5,084,000	
emergency (diesel gen.)	1	Lot		290,800	
exterior lighting	1	Lot		139,700	
power line to site	1	Lot		4,300	
all other	1	Lot		824,400	

MODULAR COST (1980 $)

Location: Calverton N.Y. (Concrete Tanks) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES (Contd)					
7. Instrumentation					$1,950,300
microprocessor	1	Lot		369,400	
control panels/displays	1	Lot		215,800	
security	1	Lot		312,100	
all other	1	Lot		1,053,000	
8. All Other Storage Site Items	1	Lot		975,000	$975,000
MODULE 2 - DOCK/TERMINAL FACILITIES					
1. Real Estate	30	AC	29,783	893,500	$893,500
2. Dock					$3,439,400
dock structure	1	Lot		890,200	
dredging				N/A	
loading arms	1	Lot		571,200	
fire water and foam	1	Lot		45,100	
control center	1	Lot		60,000	
electrical (incl navaids)	1	Lot		489,200	
fenders/dolphins	1	Lot		1,383,700	
all other				N/A	

MODULAR COST (1980 $)

Location: Calverton, N.Y. (Concrete Tanks) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE II - DOCK/TERMINAL FACILITIES (Contd)					
3. Terminal					$1,061,400
de-ballasting	1	Lot		738,000	
surge tanks				N/A	
purge tanks	2	Ea	161,700	323,400	
booster pumps				N/A	
control center				N/A	
fire water and foam				N/A	
electrical (Included with Dock)					
all other				N/A	
4. All Other Dock/Terminal Items				N/A	
MODULE 3 - TRANSFER FACILITIES					
1. Real Estate	1	Lot		386,900	$386,900
2. Pipeline					$9,818,100
pipe (incl cathotic protection)	28,560	LF	264.77	7,561,800	
~~heaters~~ Tape	1	Lot		644,400	
custody transfer metering	1	Lot		879,700	
launcher/receiver	1	Lot		732,200	
cycling capability				N/A	
all other				N/A	
3. All Other Transfer Facility Items				N/A	
TOTAL MODULES I + II + III — I- $157,076,600; II- $ 5,394,300; III -$ 10,205,000				TOTAL =	$172,675,900 $17.27/BBL

MODULAR COST (1980 $)

Location: Calverton, N.Y. (Concrete Tanks) STORAGE CAPACITY: 20,000,000 BBL #6 Oil

MODULE 1 - STORAGE SITE FACILITIES	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
1. Real Estate					N/A
2. Site Preparation					$21,085,800
clear, cut, fill, grade	268	AC	44,266	11,863,400	
roads	55,000	SY	27.00	1,485,000	
dikes				N/A	
ponds	7.8	AC	108,750	848,300	
fences	17,500	LF	17.60	308,000	
all other	1	Lot		6,581,100	
3. Storage Tanks					$130,230,100
foundations				N/A	
tank fabrication and erection	1	Lot		105,003,900	
heaters	1	Lot		11,626,200	
insulation				N/A	
all other	1	Lot		13,600,000	
4. Piping Systems					$27,883,800
piping (incl. valves, fittings, etc.) oil	17,400	LF	324.00	5,637,600	
pumps (oil)	32	Ea	190,000	6,080,000	
fire water	36,525	LF	64.06	2,339,800	
fire foam	1	Lot		7,980,000	
heat distribution	24,200	LF	241.09	5,834,400	

MODULAR COST (1980 $)

Sheet 2 of 4

Location: Galveston, TX (Concrete Tanks) STORAGE CAPACITY: 20,000,000 BBL of Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES					
4. (Contd)					
potable water	600	LF	7.00	4200	
sanitary (incl. treatment)	600	LF	13.00	7800	
inert gas				N/A	
vapor recovery				N/A	
all other				N/A	
5. Buildings/Structures					$79,433,200
control/administration	11,200	SF	82.00	918,400	
maint./fire/warehouse	8,000	SF	72.00	576,000	
heating plant	1	Lot		77,827,800	
guard house	120	SF	100.00	12,000	
all other	1500	SF	66.00	99,000	
6. Electrical					$20,004,400
substation	1	Lot		1,459,200	
distribution	1	Lot		16,740,400	
emergency (diesel gen.)	1	Lot		290,700	
exterior lighting	1	Lot		495,200	
power line to site	1	Lot		6,000	
all other	1	Lot		1,012,900	

MODULAR COST (1980 $) Sheet 3 of 4

Location: Calverton, NY (Concrete Tanks) STORAGE CAPACITY: 20,000,000 BBL #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES (Contd)					
7. Instrumentation					$5,386,300
microprocessor	1	Lot		747,300	
control panels/displays	1	Lot		186,100	
security	1	Lot		766,300	
all other	1	Lot		3,686,600	
8. All Other Storage Site Items	1	Lot			$1,616,300
MODULE 2 - DOCK/TERMINAL FACILITIES					
1. Real Estate	1	Lot			$893,500
2. Dock					$3,439,400
dock structure	1	Lot		890,200	
dredging				N/A	
loading arms	1	Lot		571,200	
fire water and foam	1	Lot		45,100	
control center	1	Lot		60,000	
electrical (incl navaids)	1	Lot		489,200	
fenders/dolphins	1	Lot		1,383,700	
all other				N/A	

MODULAR COST (1980 $) Sheet 4 of 4

Location: Galveston, TX (Concrete Tanks) STORAGE CAPACITY: 20,000,000 BBL #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE II - DOCK/TERMINAL FACILITIES (Contd)					
3. Terminal					$986,200
de-ballasting	1	Lot		662,800	
surge tanks				N/A	
purge tanks	2	Ea	161,700	323,400	
booster pumps				N/A	
control center				N/A	
fire water and foam				N/A	
electrical (In Dock Item)					
all other				N/A	
4. All Other Dock/Terminal Items					
MODULE 3 - TRANSFER FACILITIES					
1. Real Estate	1	Lot			$386,900
2. Pipeline					$6,929,300
pipe (incl cathotic protection)	25,000	LF	166.965	4,174,100	
heaters	1	Lot		1,371,800	
custody transfer metering	1	Lot		519,200	
launcher/receiver	1	Lot		864,200	
cycling capability				N/A	
all other				N/A	
3. All Other Transfer Facility Items					
TOTAL MODULES I + II + III I- 285,639,900 II- 5,319,100 III 7,316,200				TOTAL =	$298,275,200 $14.91/BBL

MODULAR COST (1980 $)

Location: Northville, N.Y. (Steel Tanks) STORAGE CAPACITY: 20,000,000 BBLS #6 Oil

MODULE 1 - STORAGE SITE FACILITIES	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
1. Real Estate	1	Lot			$5,059,000
2. Site Preparation					$9,347,300
clear, cut, fill, grade	170	AC	21,423	3,642,000	
roads	65,000	SY	27.00	1,755,000	
dikes				N/A	
ponds	16.8	AC	108,720	1,826,500	
fences	13,000	LF	17.60	228,800	
all other	1	Lot		1,895,000	
3. Storage Tanks					$132,024,700
foundations	1	Lot		1,909,100	
tank fabrication and erection	20,000,000	BBL	5.50	110,000,000	
heaters	1	Lot		19,315,600	
insulation				N/A	
all other	1	Lot		800,000	
4. Piping Systems					$16,411,800
piping (incl. valves, fittings, etc.) oil	8400	LF	236.96	1,990,500	
pumps (oil)	16	Ea	232,900	3,726,400	
fire water	33,736	LF	59.50	2,007,300	
fire foam	1	Lot		3,990,000	
heat distribution	18,200	LF	257.45	4,685,600	

MODULAR COST (1980 $)

Location: Northville, NY (Steel Tanks) STORAGE CAPACITY: 20,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES					
4. (Contd)					
potable water	600	LF	7.00	4200	
sanitary (incl. treatment)	600	LF	13.00	7800	
inert gas				N/A	
vapor recovery				N/A	
all other				N/A	
5. Buildings/Structures					$128,063,200
control/administration	11,200	SF	82.00	918,400	
maint./fire/warehouse	8,000	SF	72.00	576,000	
heating plant	1	Lot		126,391,800	
guard house	120	SF	100.00	12,000	
all other	2500	SF	66.00	165,000	
6. Electrical					$6,190,900
substation	1	Lot		222,300	
distribution	1	Lot		3,897,000	
emergency (diesel gen.)	1	Lot		290,800	
exterior lighting	1	Lot		302,600	
power line to site	1	Lot		166,000	
all other	1	Lot		1,312,200	

MODULAR COST (1980 $)

Location: Northville, NY (Steel Tanks)   STORAGE CAPACITY: 20,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES (Contd)					
7. Instrumentation					$2,378,400
microprocessor	1	Lot		523,800	
control panels/displays	1	Lot		253,500	
security	1	Lot		519,500	
all other	1	Lot		1,081,600	
8. All Other Storage Site Items	1	Lot			$1,024,000
MODULE 2 - DOCK/TERMINAL FACILITIES					
1. Real Estate					(In Module I)
2. Dock					N/A
dock structure					
dredging					
loading arms					
fire water and foam					
control center					
electrical (incl navaids)					
fenders/dolphins					
all other					

MODULAR COST (1980 $)

Location: [illegible] (Steel Tanks)   STORAGE CAPACITY: 20,000,000 BBLS [illegible] 6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE II - DOCK/TERMINAL FACILITIES (Contd)					
3. Terminal					$224,100
de-ballasting (In Module I)					
surge tanks				N/A	
purge tanks	1	Lot		146,300	
booster pumps				N/A	
control center				N/A	
fire water and foam				N/A	
electrical	1	Lot		77,800	
all other				N/A	
4. All Other Dock/Terminal Items					N/A
MODULE 3 - TRANSFER FACILITIES					
1. Real Estate					(In Module I)
2. Pipeline					1,676,000
pipe (incl cathotic protection)	1200	LF	190.08	228.100	
~~heaters~~ Tape	1	Lot		64,500	
custody transfer metering	1	Lot		519,200	
launcher/receiver	1	Lot		864,200	
cycling capability				N/A	
all other				N/A	
3. All Other Transfer Facility Items				N/A	
TOTAL MODULES I + II + III I- $300,499,300 II- $224,100 III-$1,676,000				TOTAL =	$302,399,400 $15.12/BBL

MODULAR COST (1980 $)

Location: Northville, NY (Concrete Tanks) STORAGE CAPACITY: 20,000,000 BBLS #6 Oil

MODULE 1 - STORAGE SITE FACILITIES	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
1. Real Estate	1	Lot			$5,109,000
2. Site Preparation					$20,876,300
clear, cut, fill, grade	170	AC	88,488	15,043,000	
roads	84,000	SY	27.00	2,268,000	
dikes				N/A	
ponds	16.8	AC	81,637	1,371,500	
fences	13,000	LF	17.60	228,800	
all other	1	Lot		1,965,000	
3. Storage Tanks					$115,626,300
foundations (In Site Preparation					
tank fabrication and erection	20,000,000	BBL	4.42	88,400,000	
heaters	1	Lot		11,626,300	
insulation				N/A	
all other (Dewatering & Testing)	1	Lot		15,600,000	
4. Piping Systems					$21,625,500
piping (incl. valves, fittings, etc.) oil	12,750	LF	362.73	4,624,800	
pumps (oil)	32	Ea	32,478	1,039,300	
fire water	32,576	LF	60.65	1,975,700	
fire foam	1	Lot		7,980,000	
heat distribution	22,800	LF	262.88	5,993,700	

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MODULAR COST (1980 $)

Location: Northville, NY (Concrete Tanks) STORAGE CAPACITY: 20,000,000 BBLS #6 Oil

MODULE I - STORAGE SITE FACILITIES	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
4. (Contd)					
potable water	600	LF	7.00	4200	
sanitary (incl. treatment)	600	LF	13.00	7800	
inert gas				N/A	
vapor recovery				N/A	
all other				N/A	
5. Buildings/Structures					$84,975,000
control/administration	11,200	SF	82.00	918,400	
maint./fire/warehouse	8,000	SF	72.00	576,000	
heating plant	1	Lot		83,303,600	
guard house	120	SF	100.00	12,000	
all other	2500	SF	66.00	165,000	
6. Electrical					$13,781,200
substation	1	Lot		222,300	
distribution	1	Lot		1,165,500	
emergency (diesel gen.)	1	Lot		290,800	
exterior lighting	1	Lot		302,600	
power line to site	1	Lot		166,000	
all other	1	Lot		1,634,000	

MODULAR COST (1980 $)

Location: Northville, NY (Concrete Tanks) STORAGE CAPACITY: 20,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES (Contd)					
7. Instrumentation					$3,677,500
microprocessor	1	Lot		747,300	
control panels/displays	1	Lot		186,100	
security	1	Lot		519,500	
all other	1	Lot		2,224,600	
8. All Other Storage Site Items	1	Lot			$1,510,700
MODULE 2 - DOCK/TERMINAL FACILITIES					
1. Real Estate (In Module I)					
2. Dock					N/A
dock structure					
dredging					
loading arms					
fire water and foam					
control center					
electrical (incl navaids)					
fenders/dolphins					
all other					

MODULAR COST (1980 $)

Location: Northville, NY (concrete Tanks) STORAGE CAPACITY: 20,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE II - DOCK/TERMINAL FACILITIES (Contd)					
3. Terminal					$261,900
de-ballasting (In Module I)					
surge tanks				N/A	
purge tanks	1	Lot		161,700	
booster pumps				N/A	
control center				N/A	
fire water and foam				N/A	
electrical	1	Lot		100,200	
all other				N/A	
4. All Other Dock/Terminal Items					N/A
MODULE 3 - TRANSFER FACILITIES					
1. Real Estate (In Module I)					$1,993,600
2. Pipeline					
pipe (incl cathotic protection)	1200	LF	249.30	299,200	
heat~~ers~~ tape	1	Lot		64,500	
custody transfer metering	1	Lot		519,200	
launcher/receiver	1	Lot		1,110,700	
cycling capability				N/A	
all other				N/A	
3. All Other Transfer Facility Items				N/A	
TOTAL MODULES I + II + III — I- 267,181,500; II- 261,900; III- 1,993,600				TOTAL =	$269,437,000 $13.47/BBL

MODULAR COST (1980 $)

Location: Portland, Maine (Rock Mine) STORAGE CAPACITY: 20,000,000 BBLS # 6 Oil

MODULE 1 - STORAGE SITE FACILITIES	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
1. Real Estate	1	Lot		4,360,000	$4,360,000
2. Site Preparation					362,400
clear, cut, fill, grade	7	Acres	10,685	74,800	
roads	3000	SY	21.00	63,000	
dikes				N/A	
ponds				N/A	
fences	3000	LF	14.00	42,000	
all other	1	Lot		182,600	
3. Storage Tanks					$160,026,000
foundations				N/A	
tank fabrication ~~and erection~~	20,000,000	BBL	6.9509	139,018,000	
heaters	1	Lot		19,508,000	
insulation				N/A	
all other	1	Lot		1,500,000	
4. Piping Systems					$5,480,800
piping (incl. valves, fittings, etc.) oil	10,240	LF	281.75	2,885,100	
pumps (oil)	~~13~~	~~Ea~~	~~116,800~~	~~1,518,400~~	
fire water) Combined System	1	Lot		1,072,200	
fire foam)					
heat distribution (In Tank Heating)					

MODULAR COST (1980 $)

Location: Portland, Maine (Rock Mine) STORAGE CAPACITY: 20,000,000 BBLS # 6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES					
4. (Contd)					
potable water	600	LF	5.33	3200	
sanitary (incl. treatment)	1	Lot		1900	
inert gas				N/A	
vapor recovery				N/A	
all other				N/A	
5. Buildings/Structures					$155,302,400
control/administration	11,200	SF	63.00	705,600	
maint./fire/warehouse	8000	SF	55.00	440,000	
heating plant	1	Lot		154,072,500	
guard house	120	SF	77.00	9,300	
all other	1500	SF	50.00	75,000	
6. Electrical					$7,350,000
substation	1	Lot		1,400,900	
distribution	1	Lot		5,164,100	
emergency (diesel gen.)	1	Lot		223,400	
exterior lighting	1	Lot		23,400	
power line to site	1	Lot		3,800	
all other	1	Lot		534,400	

MODULAR COST (1980 $) Sheet 3 of 4

Location: Portland, Maine (Rock Mine) STORAGE CAPACITY: 20,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES (Contd)					
7. Instrumentation					$4,512,600
microprocessor	1	Lot		298,300	
control panels/displays	1	Lot		190,800	
security	1	Lot		96,500	
all other	1	Lot		3,927,000	
8. All Other Storage Site Items	1	Lot		428,800	$428,800
MODULE 2 - DOCK/TERMINAL FACILITIES					
1. Real Estate					N/A
2. Dock					$656,600
dock structure	1	Lot		250,000	
dredging				N/A	
loading arms	1	Lot		150,000	
fire water and foam				N/A	
control center				N/A	
electrical (incl navaids)	1	Lot		256,600	
fenders/dolphins				N/A	
all other				N/A	

MODULAR COST (1980 $)

Location: Portland, Maine (Rock Mine) STORAGE CAPACITY: 20,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE II - DOCK/TERMINAL FACILITIES (Contd)					
3. Terminal					$1,293,900
de-ballasting	1	Lot		537,900	
surge tanks				N/A	
purge tanks	2	Ea	378,000	756,000	
booster pumps (In Module I)					
control center				N/A	
fire water and foam				N/A	
electrical (In Dock Item)					
all other				N/A	
4. All Other Dock/Terminal Items				N/A	
MODULE 3 - TRANSFER FACILITIES					
1. Real Estate	1	Lot		298,000	$298,000
2. Pipeline					$5,670,400
pipe (incl cathotic protection)	21,000	LF	189.38	3,977,000	
~~heaters~~- Tape	1	Lot		578,000	
custody transfer metering	1	Lot		215,800	
launcher/receiver	2	Ea	449,800	899,600	
cycling capability				N/A	
all other				N/A	
3. All Other Transfer Facility Items					N/A
TOTAL MODULES I + II + III: I - $337,823,000; II- $ 1,950,500; III -$ 5,968,400				TOTAL =	$345,741,900 $17.29/BBL

MODULAR COST (1980 $)

Location: West Deptford, II, N.J.(Steel Tanks) STORAGE CAPACITY: 20,000,000 BBLS #6 Oil

MODULE 1 - STORAGE SITE FACILITIES	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
1. Real Estate	1	Lot			$5,903,000
2. Site Preparation					$9,861,700
clear, cut, fill, grade	196	AC	19,096	3,742,800	
roads	60,000	SY	24.00	1,440,000	
dikes				N/A	
ponds	32.1	AC	79,065	2,538,000	
fences	17,000	LF	15.50	263,500	
all other	1	Lot		1,877,400	
3. Storage Tanks					$125,502,200
foundations	1	Lot		10,323,200	
tank fabrication and erection	20,000,000	BBL	4.87	97,400,000	
heaters	1	Lot		17,079,000	
insulation				N/A	
all other	1	Lot		700,000	
4. Piping Systems					$15,136,400
piping (incl. valves, fittings, etc.) oil	10,000	LF	216.40	2,164,000	
pumps (oil)	16	Ea	239,531	3,832,500	
fire water	33,416	LF	41.55	1,388,500	
fire foam	1	Lot		3,528,000	
heat distribution	17,700	LF	233.43	4,131,700	

MODULAR COST (1980 $)

Location: W. Deptford, II, N.J. (Steel Tanks) STORAGE CAPACITY: 20,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES					
4. (Contd)					
potable water	5200	LF	6.10	31,700	
sanitary (incl. treatment)	5200	LF	11.54	60,000	
inert gas				N/A	
vapor recovery				N/A	
all other				N/A	
5. Buildings/Structures					$111,996,600
control/administration	11,200	SF	73.00	817,600	
maint./fire/warehouse	8,000	SF	64.00	512,000	
heating plant	1	Lot		110,511,400	
guard house	120	SF	88.00	10,600	
all other	2500	SF	58.00	145,000	
6. Electrical					$7,789,000
substation	1	Lot		1,004,600	
distribution	1	Lot		4,949,500	
emergency (diesel gen.)	1	Lot		257,100	
exterior lighting	1	Lot		299,800	
power line to site	1	Lot		4,300	
all other	1	Lot		1,273,700	

MODULAR COST (1980 $)

Location: W. Deptford, II, N.J. (Steel Tanks) STORAGE CAPACITY: 20,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES (Contd)					
7. Instrumentation					$1,744,300
microprocessor	1	Lot		463,200	
control panels/displays	1	Lot		224,100	
security	1	Lot		459,400	
all other	1	Lot		597,600	
8. All Other Storage Site Items	1	Lot			$1,036,600
MODULE 2 - DOCK/TERMINAL FACILITIES					
1. Real Estate	1	Lot			$929,000
2. Dock					$5,305,300
dock structure	1	Lot		1,272,200	
dredging	1	Lot		2,267,500	
loading arms	1	Lot		505,200	
fire water and foam (In Mod. I)					
control center	1	Lot		53,000	
electrical (incl navaids)	1	Lot		225,200	
fenders/dolphins	1	Lot		982,200	
all other				N/A	

MODULAR COST (1980 $)

Location: West Deptford, II, N.J.(Steel Tanks) STORAGE CAPACITY: 20,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE II - DOCK/TERMINAL FACILITIES (Contd)					
3. Terminal					$204,000
de-ballasting -In Module I-					
surge tanks				N/A	
purge tanks	1	Lot		204,000	
booster pumps				N/A	
control center				N/A	
fire water and foam				N/A	
electrical (with Dock Elect.)					
all other				N/A	
4. All Other Dock/Terminal Items					N/A
MODULE 3 - TRANSFER FACILITIES					
1. Real Estate (In Module I)					$1,444,000
2. Pipeline					
pipe (incl cathotic protection)	1000	LF	173.20	173,200	
~~heaters~~ Tape	1	Lot		47,500	
custody transfer metering	1	Lot		459,100	
launcher/receiver	1	Lot		764,200	
cycling capability				N/A	
all other				N/A	
3. All Other Transfer Facility Items				N/A	
TOTAL MODULES I + II + III — I - $278,969,800; II- 6,438,300; III- 1,444,000				TOTAL =	$286,852,100 $14.34/BBL

MODULAR COST (1980 $)

Location: West Deptford, N.H. IV (Steel Tanks) STORAGE CAPACITY: 20,000,000 BBLS #6 Oil

MODULE 1 - STORAGE SITE FACILITIES	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
1. Real Estate	1	Lot			$5,828,000
2. Site Preparation					$8,269,200
clear, cut, fill, grade	193	AC	14,731	2,843,000	
roads	61,000	SY	24.00	1,464,000	
dikes				N/A	
ponds	16.1	AC	100,435	1,617,000	
fences	14,000	LF	15.50	217,000	
all other	1	Lot		2,128.200	
3. Storage Tanks					$117,839,800
foundations	1	Lot		2,660,800	
tank fabrication and erection	20,000,000	BBL	4.87	97,400,000	
heaters	1	Lot		17,079,000	
insulation				N/A	
all other	1	Lot		700,000	
4. Piping Systems					$15,435,600
piping (incl. valves, fittings, etc.) oil	7300	LF	234.50	1,711,900	
pumps (oil)	16	Ea	357,131	5,714,100	
fire water	33,876	LF	52.32	1,772,400	
fire foam	16	Ea	220,499	3,528,000	
heat distribution	10,400	LF	251.67	2,617,400	

MODULAR COST (1980 $)

Location: W. Deptford, N.J. IV (Steel Tanks) STORAGE CAPACITY: 20,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES					
4. (Contd)					
potable water	5200	LF	6.10	31,700	
sanitary (incl. treatment)	5200	LF	11.55	60,100	
inert gas				N/A	
vapor recovery				N/A	
all other				N/A	
5. Buildings/Structures					$108,019,000
control/administration	11,200	SF	73.00	817,600	
maint./fire/warehouse	8000	SF	64.00	512,000	
heating plant	1	Lot		106,533,800	
guard house	120	SF	88.00	10,600	
all other	2500	SF	58.00	145,000	
6. Electrical					$8,771,700
substation	1	Lot		1,004,600	
distribution	1	Lot		6,339,800	
emergency (diesel gen.)	1	Lot		257,100	
exterior lighting	1	Lot		82,300	
power line to site	1	Lot		4,300	
all other	1	Lot		1,083,600	

Sheet 3 of 4

MODULAR COST (1980 $)

Location: W. Deptford, N.J, IV (Steel Tanks) STORAGE CAPACITY: 20,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES (Contd)					
7. Instrumentation					$2,201,900
microprocessor	1	Lot		463,100	
control panels/displays	1	Lot		224,200	
security	1	Lot		459,300	
all other	1	Lot		1,055,300	
8. All Other Storage Site Items	1	Lot			$980,100
MODULE 2 - DOCK/TERMINAL FACILITIES					
1. Real Estate	1	Lot			$929,000
2. Dock					$5,326,000
dock structure	1	Lot		1,272,200	
dredging	1	Lot		2,267,500	
loading arms	1	Lot		505,200	
fire water and foam (In Module I)					
control center	1	Lot		53,000	
electrical (incl navaids)	1	Lot		245,900	
fenders/dolphins	1	Lot		982,200	
all other				N/A	

MODULAR COST (1980 $)

Location: W. Deptford, N.J., IV (Steel Tanks) STORAGE CAPACITY: 20,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE II - DOCK/TERMINAL FACILITIES (Contd)					
3. Terminal					$204,000
de-ballasting (In Module I)					
surge tanks				N/A	
purge tanks	2	EA	102,000	204,000	
booster pumps				N/A	
control center				N/A	
fire water and foam				N/A	
electrical w/Docks					
all other				N/A	
4. All Other Dock/Terminal Items					N/A
MODULE 3 - TRANSFER FACILITIES					
1. Real Estate	1	Lot		245,000	$245,000
2. Pipeline					$3,829,600
pipe (incl cathotic protection)	13,500	LF	145.55	1,964,900	
~~heaters~~ Tape	1	Lot		641,400	
custody transfer metering	1	Lot		459,100	
launcher/receiver	1	Lot		764,200	
cycling capability				N/A	
all other				N/A	
3. All Other Transfer Facility Items					
TOTAL MODULES I + II + III I- 267,345,300 II- 6,459,000 III- 4,074,600				TOTAL =	$277,878,900 $13.89/BBL

MODULAR COST (1980 $)

Location: Harpswell, Maine (Concrete Tanks) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

MODULE 1 - STORAGE SITE FACILITIES	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
1. Real Estate	1	Lot			$5,154,000
2. Site Preparation					$12,113,800
clear, cut, fill, grade	170	Acres	40,752	6,927,800	
roads	46,000	SY	21.00	966,000	
dikes				N/A	
ponds	20.7	Acres	80,918	1,675,000	
fences	12,000	LF	13.50	162,000	
all other	1	Lot		2,387,000	
3. Storage Tanks					$52,952,300
foundations				N/A	
tank fabrication and erection	1	Lot		42,385,400	
heaters	1	Lot		4,466,900	
insulation				N/A	
all other	1	Lot		6,100,000	
4. Piping Systems					$9,942,900
piping (incl. valves, fittings, etc.) oil	6700	LF	273.62	1,833,300	
pumps (oil)	16	Ea	43,044	688,700	
fire water	29,926	LF	46.50	1,391,500	
fire foam	1	Lot		3,066,000	
heat distribution	17,200	LF	171.40	2,948,000	

MODULAR COST (1980 $)

Location: Harpswell, Maine (Concrete Tanks) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES					
4. (Contd)					
potable water	1000	LF	5.30	5300	
sanitary (incl. treatment)	1000	LF	10.10	10,100	
inert gas				N/A	
vapor recovery				N/A	
all other				N/A	
5. Buildings/Structures					$33,305,000
control/administration	11,200	SF	64.00	716,800	
maint./fire/warehouse	8,000	SF	56.00	448,000	
heating plant	1	Lot		32,006,100	
guard house	120	SF	76.00	9,100	
all other	1500	SF	50.00	125,000	
6. Electrical					$4,737,400
substation	1	Lot		400,000	
distribution	1	Lot		2,994,600	
emergency (diesel gen.)	1	Lot		223,400	
exterior lighting	1	Lot		108,400	
power line to site	1	Lot		2,700	
all other	1	Lot		1,008,300	

MODULAR COST (1980 $)

Location: Harpswell, Maine (Concrete) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES (Contd)					
7. Instrumentation					$1,826,700
microprocessor	1	Lot		401,600	
control panels/displays	1	Lot		194,800	
security	1	Lot		399,200	
all other	1	Lot		831,100	
8. All Other Storage Site Items	1	Lot			$1,064,600
MODULE 2 - DOCK/TERMINAL FACILITIES					
1. Real Estate					N/A
2. Dock					N/A
dock structure					
dredging					
loading arms					
fire water and foam					
control center					
electrical (incl navaids)					
fenders/dolphins					
all other					

MODULAR COST (1980 $)

Location: Harpswell, Maine (Concrete Tanks) STORAGF CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE II - DOCK/TERMINAL FACILITIES (Contd)					
3. Terminal					$106,700
de-ballasting				N/A	
surge tanks				N/A	
purge tanks	2	Ea	48,600	97,200	
booster pumps				N/A	
control center				N/A	
fire water and foam				N/A	
electrical	1	Lot		9,500	
all other				N/A	
4. All Other Dock/Terminal Items					
MODULE 3 - TRANSFER FACILITIES					
1. Real Estate	1	Lot			$40,500
2. Pipeline					$1,518,500
pipe (incl cathotic protection)	2400	LF	217.92	523,000	
heat ~~trace~~ tape	1	Lot		66,000	
custody transfer metering	1	Lot		399,000	
launcher/receiver	1	Lot		530,500	
cycling capability				N/A	
all other				N/A	
3. All Other Transfer Facility Items					
TOTAL MODULES I + II + III I- 121,096,700 II- 106,700 III- 1,559,000				TOTAL =	$122,762,400 $12.28/BBL

MODULAR COST (1980 $)

Sheet 1 of 4

Location: Harpswell, Maine (Steel Tanks) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

MODULE 1 - STORAGE SITE FACILITIES	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
1. Real Estate	1	Lot			$3,183,000
2. Site Preparation					$5,040,600
clear, cut, fill, grade	105	AC	15,115	1,587,100	
roads	27,000	SY	21.00	567,000	
dikes				N/A	
ponds	17.9	AC	81,285	1,455,000	
fences	10,000	LF	13.50	135,000	
all other	1	Lot		1,296,500	
3. Storage Tanks					$55,648,200
foundations	1	Lot		2,005,100	
tank fabrication and erection	10,008,000	BBL	4.40	44,035,200	
heaters	1	Lot		2,067,900	
insulation				N/A	
all other	1	Lot		540,000	
4. Piping Systems					$7,429,600
piping (incl. valves, fittings, etc.) oil	4100	LF	475.84	1,950,900	
pumps (oil)	12	Ea	70,083	841,000	
fire water	25,726	LF	48.13	1,238,200	
fire foam	1	Lot		2,035,600	
heat distribution	5600	LF	240.80	1,348,500	

MODULAR COST (1980 $)

Location: Harpswell, Maine (Steel Tanks) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES					
4. (Contd)					
potable water	1000	LF	5.30	5,300	
sanitary (incl. treatment)	1000	LF	10.10	10,100	
inert gas				N/A	
vapor recovery				N/A	
all other				N/A	
5. Buildings/Structures					$52,187,200
control/administration	11,200	SF	64.00	716,800	
maint./fire/warehouse	8,000	SF	56.00	448,000	
heating plant	1	Lot		50,888,300	
guard house	120	SF	76.00	9,100	
all other	2500	SF	50.00	125,000	
6. Electrical					$3,064,800
substation	1	Lot		400,000	
distribution	1	Lot		2,172,800	
emergency (diesel gen.)	1	Lot		132,900	
exterior lighting	1	Lot		144,700	
power line to site	1	Lot		2,700	
all other	1	Lot		211,700	

MODULAR COST (1980 $)

Location: HARPSWELL, MAINE (STEEL TANKS) STORAGE CAPACITY: 10,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES (Contd)					
7. Instrumentation					$1,050,600
microprocessor	1	Lot		182,900	
control panels/displays	1	Lot		114,700	
security	1	Lot		318,600	
all other	1	Lot		434,400	
8. All Other Storage Site Items	1	Lot			$776,200
MODULE 2 - DOCK/TERMINAL FACILITIES					
1. Real Estate					N/A
2. Dock					N/A
dock structure					
dredging					
loading arms					
fire water and foam					
control center					
electrical (incl navaids)					
fenders/dolphins					
all other					

MODULAR COST (1980 $)

Location: Harpswell, Maine (Steel Tanks) STORAGE CAPACITY: 10,000,000 BBL #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE II - DOCK/TERMINAL FACILITIES (Contd)					
3. Terminal					$106,700
de-ballasting					
surge tanks				N/A	
purge tanks	2	Ea	48,600	97,200	
booster pumps				N/A	
control center				N/A	
fire water and foam				N/A	
electrical	1	Lot		9,500	
all other				N/A	
4. All Other Dock/Terminal Items					
MODULE 3 - TRANSFER FACILITIES					
1. Real Estate	1	Lot			$40,500
2. Pipeline					$1,736,000
pipe (incl cathotic protection)	2400	LF	221.58	531,800	
heaters	1	Lot		210,900	
custody transfer metering	1	Lot		463,000	
launcher/receiver	1	Lot		530,300	
cycling capability				N/A	
all other				N/A	
3. All Other Transfer Facility Items					
TOTAL MODULES I + II + III — I- $128,380,200; II- $ 106,700; III-$ 1,776,500				TOTAL =	$130,263,400 $13.03/BBL

MODULAR COST (1980 $)

Sheet 1 of 4

Location: Brooksville, Maine (Rock Mine) STORAGE CAPACITY: 20,000,000 BBLS #6 Oil

MODULE 1 - STORAGE SITE FACILITIES	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
1. Real Estate	1	Lot			$5,225,000
2. Site Preparation					$1,992,800
clear, cut, fill, grade	168	AC	8,476	1,424,000	
roads	8000	SY	21.00	168,000	
dikes				N/A	
ponds				N/A	
fences	5300	LF	14.00	74,200	
all other	1	Lot		326,600	
3. Storage Tanks					$160,026,100
foundations				N/A	
tank fabrication and erection	1	Lot		139,018,100	
heaters	1	Lot		19,508,000	
insulation				N/A	
all other	1	Lot		1,500,000	
4. Piping Systems					$4,990,300
piping (incl. valves, fittings, etc.) oil	10,240	LF	281.75	2,885,200	
pumps (oil)	1	Lot		1,027,800	
fire water					
fire foam	1	Lot		1,072,200	
heat distribution (In Tank Heating)					

MODULAR COST (1980 $) Sheet 2 of 4

Location: Brooksville, Maine (Mine) STORAGE CAPACITY: 20,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES					
4. (Contd)					
potable water	600	LF	5.33	3200	
sanitary (incl. treatment)	1	Lot		1900	
inert gas				N/A	
vapor recovery				N/A	
all other				N/A	
5. Buildings/Structures					$155,302,300
control/administration	11,200	SF	63.00	705,600	
maint./fire/warehouse	8,000	SF	55.00	440,000	
heating plant	1	Lot		154,072,500	
guard house	120	SF	77.00	9,200	
all other	1500	SF	50.00	75,000	
6. Electrical					7,297,800
substation	1	Lot		1,400,900	
distribution	1	Lot		5,111,900	
emergency (diesel gen.)	1	Lot		223,400	
exterior lighting	1	Lot		23,400	
power line to site	1	Lot		3,800	
all other	1	Lot		534,400	

MODULAR COST (1980 $)

Location: Brooksville, Maine (Mine)   STORAGE CAPACITY: 20,000,000 BBLS #6 Oil

	QUANTITY	UNIT	UNIT PRICE	COST	SUBTOTAL
MODULE I - STORAGE SITE FACILITIES (Contd)					
7. Instrumentation					$4,512,400
microprocessor	1	Lot		298,300	
control panels/displays	1	Lot		190,800	
security	1	Lot		96,400	
all other	1	Lot		3,926,900	
8. All Other Storage Site Items	1	Lot			$428,900
MODULE 2 - DOCK/TERMINAL FACILITIES					
1. Real Estate	1	Lot			$929,000
2. Dock					$7,027,700
dock structure	1	Lot		1,115,800	
dredging	1	Lot		4,371,500	
loading arms	1	Lot		438,000	
fire water and foam - In Module I -					
control center	1	Lot		47,000	
electrical (incl navaids)	1	Lot		195,700	
fenders/dolphins	1	Lot		859,700	
all other				N/A	

MODULAR COST (1980 $)

Location: Brooksville, Maine (Mine) STORAGE CAPACITY: 20,000,000 BBLS #6 [illegible]

	QUANTITY	[illegible]	[illegible]	COST	SUBTOTAL
MODULE II - DOCK/TERMINAL FACILITIES (Contd)					
3. Terminal					$717,900
de-ballasting	1	Lot		537,900	
surge tanks				N/A	
purge tanks	2	Ea	90,000	180,000	
booster pumps (In Module I)					
control center				N/A	
fire water and foam				N/A	
electrical (In Dock Item)					
all other				N/A	
4. All Other Dock/Terminal Items					
MODULE 3 - TRANSFER FACILITIES					
1. Real Estate	1	Lot			$65,500
2. Pipeline					$1,928,900
pipe (incl cathotic protection)	3600	LF	198.48	714,500	
heaters	1	Lot		99,100	
custody transfer metering	1	Lot		215,800	
launcher/receiver	1	Lot		899,500	
cycling capability				N/A	
all other				N/A	
3. All Other Transfer Facility Items					
TOTAL MODULES I + II + III I - 339,775,600 II - 8,674,600 III - 1,994,400				TOTAL =	$350,444,600 $17.52/BBL

CHAPTER 3

LIFE CYCLE COST, ECONOMIC ANALYSIS

3-1. INTRODUCTION

This chapter pertains to the life cycle cost economic analysis conducted to identify, and quantify, unique economic advantages that may be attributable to the candidate sites. The analyses include investment, operations, and maintenance costs.

3-2. ASSUMPTIONS

a. General Assumptions

(1) The life cycle consists of 20 years of storage after the initial fill.

(2) The candidate No. 6 fuel oil sites with associated options are in Table 3-1.

(3) The costs are displayed in constant first quarter CY80 dollars, escalated or inflated dollars, and discounted or present worth dollars. Escalation and discount rates of 10 percent were used for comparative purposes only.

(4) The product cost of initial fill is assumed to be the same for each comparable site and, therefore, does not affect the analysis.

(5) Investment costs are composed of real estate, environmental impact statement, site survey, core borings, design and construction costs.

b. Drawdown and Refill

East Coast No. 6 fuel oil distribution is made to the east coast users by waterborne means. For this analysis, it is assumed that No. 6 fuel oil is distributed to the users during drawdown and will be replaced by the recipients when conditions return to normal. In effect No. 6 fuel oil is traded rather than sold. A drawdown is assumed to occur at 5-year intervals.

c. Operations and Maintenance

(1) For operational and maintenance purposes, a No. 6 fuel oil site is to be operated and maintained on a self-supporting basis.

Where existing security or fire protection facilities and personnel are available to support a site, such resources are considered in the analyses. Local electrical power rates were also considered. The cost of spare parts was assumed to be seven percent of the construction costs of the active functional equipment of each site.

(2) For all options studied, the basic manpower level was determined for the standby mode of operation and maintenance. Any additional manpower required for embargo response was assumed to be satisfied through the use of overtime.

TABLE 3-1

SITE	STORAGE CAPACITY		TANKS		MINE (M)
	10 MMB	20 MMB	Steel (ST)	Concrete (CC)	
Portsmouth, VA	X		X	X	
Canaveral, FL	X		X		
Calverton, NY	X	X		X	
Portland, ME		X			X
Northville, NY		X	X	X	
West Deptford II, NJ		X	X		
Harpswell, ME	X		X	X	
Brooksville, ME		X			X
West Deptford IV, NJ		X		X	

d. Investment and Salvage

(1) Construction costs used are those shown for each site in Volume II, Chapter 2. Real estate costs are also shown for the various sites.

(2) Design costs were based on six percent of the construction cost. The EIS, site survey, core borings, etc., were estimated to be $689,134.

(3) Twenty years of operational site usage is not expected to appreciably degrade the site's functional use. Its salvage value is primarily determined by the demand for such a site at the time of salvage. Thus, no salvage value is considered for any of the sites.

3-3. DISCUSSION

a. Life Cycle Profile

A typical life cycle mission profile for a No. 6 fuel oil site is depicted in Table 3-2. Site operation begins in year seven with an embargo drawdown anticipated every fifth year. Upon completion of 20 years of site operation, salvage operations will be completed during the following year.

b. Life Cycle Costs

Summary life cycle costs are presented in Table 3-3. All discount and escalation rates utilized were 10%. Discount calculations were performed in accordance with AR 11-28, "Economic Analysis and Program Evaluation For Resource Management," and the escalation rate was compounded over the life of the sites.

More detailed analysis data are contained in Appendix A, pages 1-60. Pages 1-15 are the Constant 1980 Dollar Analysis sheets, pages 16-30 the Present Worth Analysis sheets, pages 31-45 the 10% Discounted/10% Escalated Dollars Analysis sheets, and pages 46-60 the the 10% Escalated Dollars Analysis sheets.

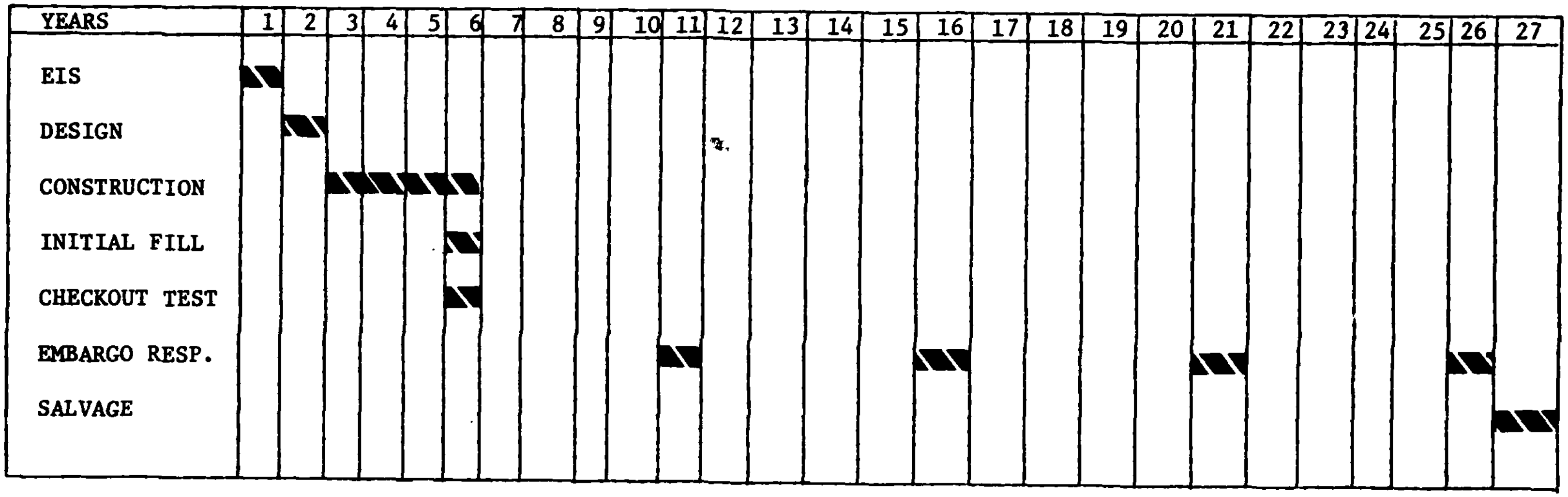
In general, the life cycle costs correlated with the construction and initial investment costs. Where two or more sites had close to the same initial investment cost, exceptions to this general rule were as follows: cut and cover site over a steel tank site due to a lower heating fuel oil cost; short pipeline sites over longer pipeline sites due to a lower spare parts maintenance cost.

3-4. CONCLUSIONS

The least costly 10 MMB storage site is the Portmouth, NH (CC) site and the least costly 20 MMB storage site is the Northville, NY (CC) site. All life cycle cost analysis methods previously described were used in making these determinations.

TABLE 3-2

EAST COAST NO. 6 FUEL OIL SITES LIFE CYCLE MISSION PROFILE*



* Typical life cycle mission profile for costing purposes.

Site	Const. 1980 $'s		Present Worth		Disc./Escalated $'s		Escalated $'s	
	Cost	Rating	Cost	Rating	Cost	Rating	Cost	Rating
Portsmouth, NH (CC)*	190757[illegible]17	1	110250301	1	182086529	1	452464195	1
Harpswell, ME (ST)**	198756055	2	116482703	2	189721688	2	468622688	2
Portsmouth, NH (ST)	222194562	3	129525547	3	212094809	3	523201890	4
Harpswell, ME (CC)	226257427	4	138114217	5	215972998	4	482229791	3
Canaveral, FL (ST)	238172623	5	134251328	4	227346173	5	598558095	5
Calverton, NY (CC)	262044067	6	152453616	6	250132973	6	615749684	6
Portsmouth, VA (ST)	295668821	7	179227139	7	282229329	7	637421559	7
Portsmouth, VA (CC)	308964204	8	186953627	8	294920376	8	664217211	8

20 MMB Storage

Site	Const. 1980 $'s		Present Worth		Disc./Escalated $'s		Escalated $'s	
	Cost	Rating	Cost	Rating	Cost	Rating	Cost	Rating
Northville, NY (CC)	382608707	1	233186034	1	365217402	1	815092290	1
West Deptford IV, NJ (ST)	401259609	2	241691721	2	383020535	2	890006211	3
West Deptford II, NJ (ST)	405675219	3	246969445	3	387235436	3	577460635	2
Northville, NY (ST)	422253651	4	258173363	4	403060303	4	900482833	4
Calverton, NY (CC)	434906086	5	259[illegible]43204	5	415137627	5	969605411	5
Brookville, ME (M)***	490992394	6	297889603	7	468674557	6	1073338583	6
Portland, ME (M)	499505762	7	297524617	6	476800954	7	1135119107	7

*Cut and Cover
**Steel Tank
***Min

APPENDIX A

LIFE CYCLE COST
YEARLY ANALYSIS

PROJECT EAST COAST RPR
MAJOR ALTERNATE PORTSMOUTH NH SITE-CONCRETE TANKS 10MMB
MINOR ALTERNATE NO6 FUEL OIL
UNADJUSTED METHOD

YEAR	INVEST SALVAGE	INIT FILL	O-M ACCEPT TEST	O-M STANDBY	O-M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 388376.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 388376.00
2	$ 7665054.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 7665054.00
3	$ 30497075.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 30497075.00
4	$ 30497075.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 30497075.00
5	$ 30497075.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 30497075.00
6	$ 30497075.00	$ 12441797.00	$ 664994.00	$ 0.00	$ 0.00	$ 0.00	$ 43603866.00
7	$ 0.00	$ 0.00	$ 0.00	$ 745208.00	$ 0.00	$ 1152956.00	$ 1898164.00
8	$ 0.00	$ 0.00	$ 0.00	$ 745208.00	$ 0.00	$ 1152956.00	$ 1898164.00
9	$ 0.00	$ 0.00	$ 0.00	$ 745208.00	$ 0.00	$ 1152956.00	$ 1898164.00
10	$ 0.00	$ 0.00	$ 0.00	$ 745208.00	$ 0.00	$ 1152956.00	$ 1898164.00
11	$ 0.00	$ 0.00	$ 0.00	$ 745208.00	$ 2411379.00	$ 1152956.00	$ 4309543.00
12	$ 0.00	$ 0.00	$ 0.00	$ 745208.00	$ 0.00	$ 1152956.00	$ 1898164.00
13	$ 0.00	$ 0.00	$ 0.00	$ 745208.00	$ 0.00	$ 1152956.00	$ 1898164.00
14	$ 0.00	$ 0.00	$ 0.00	$ 745208.00	$ 0.00	$ 1152956.00	$ 1898164.00
15	$ 0.00	$ 0.00	$ 0.00	$ 745208.00	$ 0.00	$ 1152956.00	$ 1898164.00
16	$ 0.00	$ 0.00	$ 0.00	$ 745208.00	$ 2411379.00	$ 1152956.00	$ 4309543.00
17	$ 0.00	$ 0.00	$ 0.00	$ 745208.00	$ 0.00	$ 1152956.00	$ 1898164.00
18	$ 0.00	$ 0.00	$ 0.00	$ 745208.00	$ 0.00	$ 1152956.00	$ 1898164.00
19	$ 0.00	$ 0.00	$ 0.00	$ 745208.00	$ 0.00	$ 1152956.00	$ 1898164.00
20	$ 0.00	$ 0.00	$ 0.00	$ 745208.00	$ 0.00	$ 1152956.00	$ 1898164.00
21	$ 0.00	$ 0.00	$ 0.00	$ 745208.00	$ 2411379.00	$ 1152956.00	$ 4309543.00
22	$ 0.00	$ 0.00	$ 0.00	$ 745208.00	$ 0.00	$ 1152956.00	$ 1898164.00
23	$ 0.00	$ 0.00	$ 0.00	$ 745208.00	$ 0.00	$ 1152956.00	$ 1898164.00
24	$ 0.00	$ 0.00	$ 0.00	$ 745208.00	$ 0.00	$ 1152956.00	$ 1898164.00
25	$ 0.00	$ 0.00	$ 0.00	$ 745208.00	$ 0.00	$ 1152956.00	$ 1898164.00
26	$ 0.00	$ 0.00	$ 0.00	$ 745208.00	$ 2411379.00	$ 1152956.00	$ 4309543.00
TOTAL	$ 130041730.00	$ 12441797.00	$ 664994.00	$ 14904160.00	$ 9645516.00	$ 23059120.00	$ 190757317.00

UNIFORM ANNUAL COST ($)= 7536819.88

PROJECT EAST COAST RPR
MAJOR ALTERNATE HARPSWELL ME STEEL TANKS 10MMB
MINOR ALTERNATE NO6 FUEL OIL
UNADJUSTED METHOD

YEAR	INVEST-SALVAGE	INIT FILL	O+M ACCEPT TEST	O+M STANDBY	O+M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 3566876.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 3566876.00
2	$ 7968150.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 7968150.00
3	$ 31759925.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 31759925.00
4	$ 31759925.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 31759925.00
5	$ 31759925.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 31759925.00
6	$ 31759925.00	$ 12279463.00	$ 664994.00	$ 0.00	$ 0.00	$ 0.00	$ 44704382.00
7	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 1498216.00
8	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 1498216.00
9	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 1498216.00
10	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 1498216.00
11	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 4318138.00	$ 715092.00	$ 5816354.00
12	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 1498216.00
13	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 1498216.00
14	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 1498216.00
15	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 1498216.00
16	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 4318138.00	$ 715092.00	$ 5816354.00
17	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 1498216.00
18	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 1498216.00
19	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 1498216.00
20	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 1498216.00
21	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 4318138.00	$ 715092.00	$ 5816354.00
22	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 1498216.00
23	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 1498216.00
24	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 1498216.00
25	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 1498216.00
26	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 4318138.00	$ 715092.00	$ 5816354.00
TOTAL	$ 138574726.00	$ 12279463.00	$ 664994.00	$ 15662480.00	$ 17272552.00	$ 14301840.00	$ 198756055.00

UNIFORM ANNUAL COST ($)= 7644463.65

PROJECT EAST COAST SPR
MAJOR ALTERNATE PORTSMOUTH NH SITE-- STEEL TANK 10 MMB
MINOR ALTERNATE NO.6 FUEL OIL
UNADJUSTED METHOD

YEAR		INVEST SALVAGE		INIT FILL		O-M ACCEPT TEST		O-M STANDBY		O-M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	388876,00	$	0,00	$	0,00	$	0,00	$	0,00	$	0,00	$	388876,00
2	$	9152946,00	$	0,00	$	0,00	$	0,00	$	0,00	$	0,00	$	9152946,00
3	$	36696625,00	$	0,00	$	0,00	$	0,00	$	0,00	$	0,00	$	36696625,00
4	$	36696625,00	$	0,00	$	0,00	$	0,00	$	0,00	$	0,00	$	36696625,00
5	$	36696625,00	$	0,00	$	0,00	$	0,00	$	0,00	$	0,00	$	36696625,00
6	$	36696625,00	$	12440302,00	$	664994,00	$	0,00	$	0,00	$	0,00	$	49801921,00
7	$	0,00	$	0,00	$	0,00	$	777835,00	$	0,00	$	974456,00	$	1752291,00
8	$	0,00	$	0,00	$	0,00	$	777835,00	$	0,00	$	974456,00	$	1752291,00
9	$	0,00	$	0,00	$	0,00	$	777835,00	$	0,00	$	974456,00	$	1752291,00
10	$	0,00	$	0,00	$	0,00	$	777835,00	$	0,00	$	974456,00	$	1752291,00
11	$	0,00	$	0,00	$	0,00	$	777835,00	$	4428781,00	$	974456,00	$	6181072,00
12	$	0,00	$	0,00	$	0,00	$	777835,00	$	0,00	$	974456,00	$	1752291,00
13	$	0,00	$	0,00	$	0,00	$	777835,00	$	0,00	$	974456,00	$	1752291,00
14	$	0,00	$	0,00	$	0,00	$	777835,00	$	0,00	$	974456,00	$	1752291,00
15	$	0,00	$	0,00	$	0,00	$	777835,00	$	0,00	$	974456,00	$	1752291,00
16	$	0,00	$	0,00	$	0,00	$	777835,00	$	4428781,00	$	974456,00	$	6181072,00
17	$	0,00	$	0,00	$	0,00	$	777835,00	$	0,00	$	974456,00	$	1752291,00
18	$	0,00	$	0,00	$	0,00	$	777835,00	$	0,00	$	974456,00	$	1752291,00
19	$	0,00	$	0,00	$	0,00	$	777835,00	$	0,00	$	974456,00	$	1752291,00
20	$	0,00	$	0,00	$	0,00	$	777835,00	$	0,00	$	974456,00	$	1752291,00
21	$	0,00	$	0,00	$	0,00	$	777835,00	$	4428781,00	$	974456,00	$	6181072,00
22	$	0,00	$	0,00	$	0,00	$	777835,00	$	0,00	$	974456,00	$	1752291,00
23	$	0,00	$	0,00	$	0,00	$	777835,00	$	0,00	$	974456,00	$	1752291,00
24	$	0,00	$	0,00	$	0,00	$	777835,00	$	0,00	$	974456,00	$	1752291,00
25	$	0,00	$	0,00	$	0,00	$	777835,00	$	0,00	$	974456,00	$	1752291,00
26	$	0,00	$	0,00	$	0,00	$	777835,00	$	4428781,00	$	974456,00	$	6181072,00
TOTAL	$	156328322,00	$	12440302,00	$	664994,00	$	15556700,00	$	17715124,00	$	19489120,00	$	222194562,00

UNIFORM ANNUAL COST ($)= 8545944,69

PROJECT EAST COAST HPR
MAJOR ALTERNATE HARPSWELL ME CONCRETE TANKS 10MMB
MINOR ALTERNATE NO6 FUEL OIL
UNADJUSTED METHOD

YEAR		INVEST-SALVAGE		INIT FILL		O+M ACCEPT TEST		O+M STANDBY		O+M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	5537876.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	5537876.00
2	$	7399830.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	7399830.00
3	$	39391925.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	39391925.00
4	$	39391975.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	39391975.00
5	$	39391975.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	39391975.00
6	$	39391975.00	$	12278921.00	$	664994.00	$	0.00	$	0.00	$	0.00	$	52335890.00
7	$	0.00	$	0.00	$	0.00	$	748942.00	$	0.00	$	930167.00	$	1679109.00
8	$	0.00	$	0.00	$	0.00	$	748942.00	$	0.00	$	930167.00	$	1679109.00
9	$	0.00	$	0.00	$	0.00	$	748942.00	$	0.00	$	930167.00	$	1679109.00
10	$	0.00	$	0.00	$	0.00	$	748942.00	$	0.00	$	930167.00	$	1679109.00
11	$	0.00	$	0.00	$	0.00	$	748942.00	$	2306444.00	$	930167.00	$	3985553.00
12	$	0.00	$	0.00	$	0.00	$	748942.00	$	0.00	$	930167.00	$	1679109.00
13	$	0.00	$	0.00	$	0.00	$	748942.00	$	0.00	$	930167.00	$	1679109.00
14	$	0.00	$	0.00	$	0.00	$	748942.00	$	0.00	$	930167.00	$	1679109.00
15	$	0.00	$	0.00	$	0.00	$	748942.00	$	0.00	$	930167.00	$	1679109.00
16	$	0.00	$	0.00	$	0.00	$	748942.00	$	2306444.00	$	930167.00	$	3985553.00
17	$	0.00	$	0.00	$	0.00	$	748942.00	$	0.00	$	930167.00	$	1679109.00
18	$	0.00	$	0.00	$	0.00	$	748942.00	$	0.00	$	930167.00	$	1679109.00
19	$	0.00	$	0.00	$	0.00	$	748942.00	$	0.00	$	930167.00	$	1679109.00
20	$	0.00	$	0.00	$	0.00	$	748942.00	$	0.00	$	930167.00	$	1679109.00
21	$	0.00	$	0.00	$	0.00	$	748942.00	$	2306444.00	$	930167.00	$	3985553.00
22	$	0.00	$	0.00	$	0.00	$	748942.00	$	0.00	$	930167.00	$	1679109.00
23	$	0.00	$	0.00	$	0.00	$	748942.00	$	0.00	$	930167.00	$	1679109.00
24	$	0.00	$	0.00	$	0.00	$	748942.00	$	0.00	$	930167.00	$	1679109.00
25	$	0.00	$	0.00	$	0.00	$	748942.00	$	0.00	$	930167.00	$	1679109.00
26	$	0.00	$	0.00	$	0.00	$	748942.00	$	2306444.00	$	930167.00	$	3985553.00
TOTAL	$	170505556.00	$	12278921.00	$	664994.00	$	14978840.00	$	9225776.00	$	18603340.00	$	226257427.00

UNIFORM ANNUAL COST ($)= 8702208.73

PROJECT EAST COAST HPR
MAJOR ALTERNATE CANAVERAL FLA, SITE-STEEL TANKS 10MMB
MINOR ALTERNATE NO.6 FUEL OIL
UNADJUSTED METHOD

YEAR	INVEST-SALVAGE	INIT FILL	O+M ACCEPT TEST	O+M STANDBY	O+M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 665376.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 665376.00
2	$ 9206528.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 9206528.00
3	$ 36919675.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 36919675.00
4	$ 36919675.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 36919675.00
5	$ 36919675.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 36919675.00
6	$ 36919675.00	$ 12424759.00	$ 841456.00	$ 0.00	$ 0.00	$ 0.00	$ 50185890.00
7	$ 0.00	$ 0.00	$ 0.00	$ 943556.00	$ 0.00	$ 1564940.00	$ 2508496.00
8	$ 0.00	$ 0.00	$ 0.00	$ 943556.00	$ 0.00	$ 1564940.00	$ 2508496.00
9	$ 0.00	$ 0.00	$ 0.00	$ 943556.00	$ 0.00	$ 1564940.00	$ 2508496.00
10	$ 0.00	$ 0.00	$ 0.00	$ 943556.00	$ 0.00	$ 1564940.00	$ 2508496.00
11	$ 0.00	$ 0.00	$ 0.00	$ 943556.00	$ 4296471.00	$ 1564940.00	$ 6804967.00
12	$ 0.00	$ 0.00	$ 0.00	$ 943556.00	$ 0.00	$ 1564940.00	$ 2508496.00
13	$ 0.00	$ 0.00	$ 0.00	$ 943556.00	$ 0.00	$ 1564940.00	$ 2508496.00
14	$ 0.00	$ 0.00	$ 0.00	$ 943556.00	$ 0.00	$ 1564940.00	$ 2508496.00
15	$ 0.00	$ 0.00	$ 0.00	$ 943556.00	$ 0.00	$ 1564940.00	$ 2508496.00
16	$ 0.00	$ 0.00	$ 0.00	$ 943556.00	$ 4296471.00	$ 1564940.00	$ 6804967.00
17	$ 0.00	$ 0.00	$ 0.00	$ 943556.00	$ 0.00	$ 1564940.00	$ 2508496.00
18	$ 0.00	$ 0.00	$ 0.00	$ 943556.00	$ 0.00	$ 1564940.00	$ 2508496.00
19	$ 0.00	$ 0.00	$ 0.00	$ 943556.00	$ 0.00	$ 1564940.00	$ 2508496.00
20	$ 0.00	$ 0.00	$ 0.00	$ 943556.00	$ 0.00	$ 1564940.00	$ 2508496.00
21	$ 0.00	$ 0.00	$ 0.00	$ 943556.00	$ 4296471.00	$ 1564940.00	$ 6804967.00
22	$ 0.00	$ 0.00	$ 0.00	$ 943556.00	$ 0.00	$ 1564940.00	$ 2508496.00
23	$ 0.00	$ 0.00	$ 0.00	$ 943556.00	$ 0.00	$ 1564940.00	$ 2508496.00
24	$ 0.00	$ 0.00	$ 0.00	$ 943556.00	$ 0.00	$ 1564940.00	$ 2508496.00
25	$ 0.00	$ 0.00	$ 0.00	$ 943556.00	$ 0.00	$ 1564940.00	$ 2508496.00
26	$ 0.00	$ 0.00	$ 0.00	$ 943556.00	$ 4296471.00	$ 1564940.00	$ 6804967.00
TOTAL	$ 157550604.00	$ 12424759.00	$ 841456.00	$ 18871120.00	$ 17185884.00	$ 31298800.00	$ 238172623.00

UNIFORM ANNUAL COST ($)= 9160485.50

PROJECT EAST COAST RPR
MAJOR ALTERNATE CALVERTON NY SITE-CONCRETE TANKS 10MMB
MINOR ALTERNATE NO6 FUEL OIL
UNADJUSTED METHOD

YEAR	INVEST SALVAGE	INIT FILL	O-M ACCEPT TEST	O-M STANDBY	O-M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 1623776.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 1623776.00
2	$ 10629486.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 10629486.00
3	$ 42848875.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 42848875.00
4	$ 42848875.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 42848875.00
5	$ 42848875.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 42848875.00
6	$ 42848875.00	$ 12324745.00	$ 796812.00	$ 0.00	$ 0.00	$ 0.00	$ 55970432.00
7	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 2792164.00
8	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 2792164.00
9	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 2792164.00
10	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 2792164.00
11	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 2357617.00	$ 1911406.00	$ 5149781.00
12	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 2792164.00
13	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 2792164.00
14	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 2792164.00
15	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 2792164.00
16	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 2357617.00	$ 1911406.00	$ 5149781.00
17	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 2792164.00
18	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 2792164.00
19	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 2792164.00
20	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 2792164.00
21	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 2357617.00	$ 1911406.00	$ 5149781.00
22	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 2792164.00
23	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 2792164.00
24	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 2792164.00
25	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 2792164.00
26	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 2357617.00	$ 1911406.00	$ 5149781.00
TOTAL	$ 183660762.00	$ 12324745.00	$ 796812.00	$ 17615160.00	$ 9430468.00	$ 38228120.00	$ 262044067.00

UNIFORM ANNUAL COST ($)= 10078617.96

PROJECT EAST COAST RPR
MAJOR ALTERNATE PORTSMOUTH VA,SITE-STEEL TANKS 10MMB
MINOR ALTERNATE NO.6 FUEL OIL
UNADJUSTED METHOD

YEAR		INVEST-SALVAGE		INIT FILL		O-M ACCEPT TEST		O-M STANDBY		O-M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	343376.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	343376.00
2	$	13071278.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	13071278.00
3	$	53027175.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	53027175.00
4	$	53027175.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	53027175.00
5	$	53027175.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	53027175.00
6	$	53027175.00	$	12482890.00	$	664994.00	$	980607.00	$	0.00	$	0.00	$	67155666.00
7	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	1911019.00
8	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	1911019.00
9	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	1911019.00
10	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	1911019.00
11	$	0.00	$	0.00	$	0.00	$	980607.00	$	4449149.00	$	930412.00	$	6360168.00
12	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	1911019.00
13	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	1911019.00
14	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	1911019.00
15	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	1911019.00
16	$	0.00	$	0.00	$	0.00	$	980607.00	$	4449149.00	$	930412.00	$	6360168.00
17	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	1911019.00
18	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	1911019.00
19	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	1911019.00
20	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	1911019.00
21	$	0.00	$	0.00	$	0.00	$	980607.00	$	4449149.00	$	930412.00	$	6360168.00
22	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	1911019.00
23	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	1911019.00
24	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	1911019.00
25	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	1911019.00
26	$	0.00	$	0.00	$	0.00	$	980607.00	$	4449149.00	$	930412.00	$	6360168.00
TOTAL	$	225523354.00	$	12482890.00	$	664994.00	$	20592747.00	$	17796596.00	$	16608240.00	$	293668821.00

UNIFORM ANNUAL COST ($)= 11371977.73

PROJECT EAST COAST RPR
MAJOR ALTERNATE PORTSMOUTH VA, SITE=CONCRETE TANKS 10MMB 0.0
MINOR ALTERNATE NO.6 FUEL OIL
UNADJUSTED METHOD

YEAR	INVEST-SALVAGE	INIT FILL	O-M ACCEPT TEST	O-M STANDBY	O-M EMERGENCY	SPARE PARTS	ANNUAL COST
1	$ 343376.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 343376.00
2	$ 13623054.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 13623054.00
3	$ 55322075.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 55322075.00
4	$ 55322075.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 55322075.00
5	$ 55322075.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 55322075.00
6	$ 55322075.00	$ 12482888.00	$ 664994.00	$ 0.00	$ 0.00	$ 0.00	$ 68469957.00
7	$ 0.00	$ 0.00	$ 0.00	$ 886880.00	$ 0.00	$ 1656102.00	$ 2542982.00
8	$ 0.00	$ 0.00	$ 0.00	$ 886880.00	$ 0.00	$ 1656102.00	$ 2542982.00
9	$ 0.00	$ 0.00	$ 0.00	$ 886880.00	$ 0.00	$ 1656102.00	$ 2542982.00
10	$ 0.00	$ 0.00	$ 0.00	$ 886880.00	$ 0.00	$ 1656102.00	$ 2542982.00
11	$ 0.00	$ 0.00	$ 0.00	$ 886880.00	$ 2425488.00	$ 1656102.00	$ 4968470.00
12	$ 0.00	$ 0.00	$ 0.00	$ 886880.00	$ 0.00	$ 1656102.00	$ 2542982.00
13	$ 0.00	$ 0.00	$ 0.00	$ 886880.00	$ 0.00	$ 1656102.00	$ 2542982.00
14	$ 0.00	$ 0.00	$ 0.00	$ 886880.00	$ 0.00	$ 1656102.00	$ 2542982.00
15	$ 0.00	$ 0.00	$ 0.00	$ 886880.00	$ 0.00	$ 1656102.00	$ 2542982.00
16	$ 0.00	$ 0.00	$ 0.00	$ 886880.00	$ 2425488.00	$ 1656102.00	$ 4968470.00
17	$ 0.00	$ 0.00	$ 0.00	$ 886880.00	$ 0.00	$ 1656102.00	$ 2542982.00
18	$ 0.00	$ 0.00	$ 0.00	$ 886880.00	$ 0.00	$ 1656102.00	$ 2542982.00
19	$ 0.00	$ 0.00	$ 0.00	$ 886880.00	$ 0.00	$ 1656102.00	$ 2542982.00
20	$ 0.00	$ 0.00	$ 0.00	$ 886880.00	$ 0.00	$ 1656102.00	$ 2542982.00
21	$ 0.00	$ 0.00	$ 0.00	$ 886880.00	$ 2425488.00	$ 1656102.00	$ 4968470.00
22	$ 0.00	$ 0.00	$ 0.00	$ 886880.00	$ 0.00	$ 1656102.00	$ 2542982.00
23	$ 0.00	$ 0.00	$ 0.00	$ 886880.00	$ 0.00	$ 1656102.00	$ 2542982.00
24	$ 0.00	$ 0.00	$ 0.00	$ 886880.00	$ 0.00	$ 1656102.00	$ 2542982.00
25	$ 0.00	$ 0.00	$ 0.00	$ 886880.00	$ 0.00	$ 1656102.00	$ 2542982.00
26	$ 0.00	$ 0.00	$ 0.00	$ 886880.00	$ 2425488.00	$ 1656102.00	$ 4968470.00
TOTAL	$ 235254730.00	$ 12482888.00	$ 664994.00	$ 17737600.00	$ 9701952.00	$ 33122040.00	$ 308964204.00

UNIFORM ANNUAL COST ($)= 11883238.62

PROJECT EAST COAST SPR
MAJOR ALTERNATE NORTHVILLE NY CONCRETE TANKS 20MMB
MINOR ALTERNATE NO6 FUEL OIL
UNADJUSTED METHOD

YEAR	INVEST-SALVAGE	INIT FILL	O+M ACCEPT TEST	O+M STANDBY	O+M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 5452376.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 5452376.00
2	$ 16205436.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 16205436.00
3	$ 66082000.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 66082000.00
4	$ 66082000.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 66082000.00
5	$ 66082000.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 66082000.00
6	$ 66082000.00	$ 24507753.00	$ 664994.00	$ 0.00	$ 0.00	$ 0.00	$ 91254747.00
7	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 2696577.00
8	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 2696577.00
9	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 2696577.00
10	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 2696577.00
11	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 4379652.00	$ 1910762.00	$ 7076229.00
12	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 2696577.00
13	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 2696577.00
14	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 2696577.00
15	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 2696577.00
16	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 4379652.00	$ 1910762.00	$ 7076229.00
17	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 2696577.00
18	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 2696577.00
19	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 2696577.00
20	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 2696577.00
21	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 4379652.00	$ 1910762.00	$ 7076229.00
22	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 2696577.00
23	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 2696577.00
24	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 2696577.00
25	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 2696577.00
26	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 4379652.00	$ 1910762.00	$ 7076229.00
TOTAL	$ 285985812.00	$ 24507753.00	$ 664994.00	$ 15716300.00	$ 17518608.00	$ 34215240.00	$ 382608707.00

UNIFORM ANNUAL COST ($)= 14715719.50

PROJECT EAST COAST RPR
MAJOR ALTERNATE WEST DEPTFORD TV NJ-STEEL TANKS 20MMB
MINOR ALTERNATE NO6 FUEL OIL
UNADJUSTED METHOD

YEAR	INVEST-SALVAGE	INIT FILL	O-M ACCEPT TEST	O-M STANDBY	O-M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 7345376.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 7345376.00
2	$ 16598370.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 16598370.00
3	$ 67719225.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 67719225.00
4	$ 67719225.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 67719225.00
5	$ 67719225.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 67719225.00
6	$ 67719225.00	$ 24289763.00	$ 841456.00	$ 0.00	$ 0.00	$ 0.00	$ 92850444.00
7	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 2523563.00
8	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 2523563.00
9	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 2523563.00
10	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 2523563.00
11	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 7709121.00	$ 1502697.00	$ 10232684.00
12	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 2523563.00
13	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 2523563.00
14	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 2523563.00
15	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 2523563.00
16	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 7709121.00	$ 1502697.00	$ 10232684.00
17	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 2523563.00
18	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 2523563.00
19	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 2523563.00
20	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 2523563.00
21	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 7709121.00	$ 1502697.00	$ 10232684.00
22	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 2523563.00
23	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 2523563.00
24	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 2523563.00
25	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 2523563.00
26	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 7709121.00	$ 1502697.00	$ 10232684.00
TOTAL	$ 294820646.00	$ 24289763.00	$ 841456.00	$ 20417320.00	$ 30836484.00	$ 30053940.00	$ 401259609.00

UNIFORM ANNUAL COST ($)= 15433061.88

PROJECT EAST COAST WPR
MAJOR ALTERNATE WEST DEPTFORD II NJ-STEEL TANKS 20MMB
MINOR ALTERNATE NO6 FUEL OIL
UNADJUSTED METHOD

YEAR	INVEST-SALVAGE	INIT FILL	O-M ACCEPT TEST	O-M STANDBY	O-M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 7175376.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 7175376.00
2	$ 17146957.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 17146957.00
3	$ 70005003.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 70005003.00
4	$ 70005003.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 70005003.00
5	$ 70005003.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 70005003.00
6	$ 70005003.00	$ 24119774.00	$ 841456.00	$ 0.00	$ 0.00	$ 0.00	$ 94966233.00
7	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 2301458.00
8	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 2301458.00
9	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 2301458.00
10	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 2301458.00
11	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 7585621.00	$ 1282729.00	$ 9887079.00
12	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 2301458.00
13	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 2301458.00
14	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 2301458.00
15	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 2301458.00
16	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 7585621.00	$ 1282729.00	$ 9887079.00
17	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 2301458.00
18	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 2301458.00
19	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 2301458.00
20	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 2301458.00
21	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 7585621.00	$ 1282729.00	$ 9887079.00
22	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 2301458.00
23	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 2301458.00
24	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 2301458.00
25	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 2301458.00
26	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 7585621.00	$ 1282729.00	$ 9887079.00
TOTAL	$ 304342345.00	$ 24119774.00	$ 841456.00	$ 20374580.00	$ 30342484.00	$ 25654580.00	$ 405675219.00

UNIFORM ANNUAL COST ($)= 15602693.04

PROJECT EAST COAST RPR
MAJOR ALTERNATE NORTHVILLE NY-STEEL TANKS 20MMB
MINOR ALTERNATE NO6 FUEL OIL
UNADJUSTED METHOD

YEAR	INVEST-SALVAGE	INIT FILL	O-M ACCEPT TEST	O-M STANDBY	O-M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 5439376.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 5439376.00
2	$ 18186180.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 18186180.00
3	$ 74335100.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 74335100.00
4	$ 74335100.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 74335100.00
5	$ 74335100.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 74335100.00
6	$ 74335100.00	$ 24505273.00	$ 664994.00	$ 0.00	$ 0.00	$ 0.00	$ 99505367.00
7	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 0.00	$ 1432634.00	$ 2276273.00
8	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 0.00	$ 1432634.00	$ 2276273.00
9	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 0.00	$ 1432634.00	$ 2276273.00
10	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 0.00	$ 1432634.00	$ 2276273.00
11	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 7647992.00	$ 1432634.00	$ 9924265.00
12	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 0.00	$ 1432634.00	$ 2276273.00
13	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 0.00	$ 1432634.00	$ 2276273.00
14	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 0.00	$ 1432634.00	$ 2276273.00
15	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 0.00	$ 1432634.00	$ 2276273.00
16	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 7647992.00	$ 1432634.00	$ 9924265.00
17	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 0.00	$ 1432634.00	$ 2276273.00
18	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 0.00	$ 1432634.00	$ 2276273.00
19	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 0.00	$ 1432634.00	$ 2276273.00
20	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 0.00	$ 1432634.00	$ 2276273.00
21	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 7647992.00	$ 1432634.00	$ 9924265.00
22	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 0.00	$ 1432634.00	$ 2276273.00
23	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 0.00	$ 1432634.00	$ 2276273.00
24	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 0.00	$ 1432634.00	$ 2276273.00
25	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 0.00	$ 1432634.00	$ 2276273.00
26	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 7647992.00	$ 1432634.00	$ 9924265.00
TOTAL	$ 320965956.00	$ 24505273.00	$ 664994.00	$ 16872780.00	$ 30591968.00	$ 28652680.00	$ 422253651.00

UNIFORM ANNUAL COST ($)= 16240525.04

PROJECT EAST COAST RPR
MAJOR ALTERNATE CALVERTON NY CONCRETE TANKS 20MMB
MINOR ALTERNATE NO6 FUEL OIL
UNADJUSTED METHOD

YEAR	INVEST-SALVAGE	INIT FILL	O+M ACCEPT TEST	O+M STANDBY	O+M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 1623536.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 1623536.00
2	$ 18165444.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 18165444.00
3	$ 74248700.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 74248700.00
4	$ 74248700.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 74248700.00
5	$ 74248700.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 74248700.00
6	$ 74248700.00	$ 24263070.00	$ 796812.00	$ 0.00	$ 0.00	$ 0.00	$ 99308582.00
7	$ 0.00	$ 0.00	$ 0.00	$ 920609.00	$ 0.00	$ 2813958.00	$ 3734567.00
8	$ 0.00	$ 0.00	$ 0.00	$ 920609.00	$ 0.00	$ 2813958.00	$ 3734567.00
9	$ 0.00	$ 0.00	$ 0.00	$ 920609.00	$ 0.00	$ 2813958.00	$ 3734567.00
10	$ 0.00	$ 0.00	$ 0.00	$ 920609.00	$ 0.00	$ 2813958.00	$ 3734567.00
11	$ 0.00	$ 0.00	$ 0.00	$ 920609.00	$ 4592771.00	$ 2813958.00	$ 8327338.00
12	$ 0.00	$ 0.00	$ 0.00	$ 920609.00	$ 0.00	$ 2813958.00	$ 3734567.00
13	$ 0.00	$ 0.00	$ 0.00	$ 920609.00	$ 0.00	$ 2813958.00	$ 3734567.00
14	$ 0.00	$ 0.00	$ 0.00	$ 920609.00	$ 0.00	$ 2813958.00	$ 3734567.00
15	$ 0.00	$ 0.00	$ 0.00	$ 920609.00	$ 0.00	$ 2813958.00	$ 3734567.00
16	$ 0.00	$ 0.00	$ 0.00	$ 920609.00	$ 4592771.00	$ 2813958.00	$ 8327338.00
17	$ 0.00	$ 0.00	$ 0.00	$ 920609.00	$ 0.00	$ 2813958.00	$ 3734567.00
18	$ 0.00	$ 0.00	$ 0.00	$ 920609.00	$ 0.00	$ 2813958.00	$ 3734567.00
19	$ 0.00	$ 0.00	$ 0.00	$ 920609.00	$ 0.00	$ 2813958.00	$ 3734567.00
20	$ 0.00	$ 0.00	$ 0.00	$ 920609.00	$ 0.00	$ 2813958.00	$ 3734567.00
21	$ 0.00	$ 0.00	$ 0.00	$ 920609.00	$ 4592771.00	$ 2813958.00	$ 8327338.00
22	$ 0.00	$ 0.00	$ 0.00	$ 920609.00	$ 0.00	$ 2813958.00	$ 3734567.00
23	$ 0.00	$ 0.00	$ 0.00	$ 920609.00	$ 0.00	$ 2813958.00	$ 3734567.00
24	$ 0.00	$ 0.00	$ 0.00	$ 920609.00	$ 0.00	$ 2813958.00	$ 3734567.00
25	$ 0.00	$ 0.00	$ 0.00	$ 920609.00	$ 0.00	$ 2813958.00	$ 3734567.00
26	$ 0.00	$ 0.00	$ 0.00	$ 920609.00	$ 4592771.00	$ 2813958.00	$ 8327338.00
TOTAL	$ 316783780.00	$ 24263070.00	$ 796812.00	$ 18412180.00	$ 18371084.00	$ 56279160.00	$ 434906066.00

UNIFORM ANNUAL COST ($)= 16727157.15

PROJECT EAST COAST RPO
MAJOR ALTERNATE BROOKVILLE MF MINE 20MMB
MINOR ALTERNATE NO6 FUEL OIL
UNADJUSTED METHOD

YEAR	INVEST-SALVAGE	INIT FILL	O&M ACCEPT TEST	O&M STANDBY	O&M EXPANDED	SPARE PARTS	ANNUAL COST
1	$ 6562876.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 6562876.00
2	$ 20999262.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 20999262.00
3	$ 86056275.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 86056275.00
4	$ 86056275.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 86056275.00
5	$ 86056275.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 86056275.00
6	$ 86056275.00	$ 24216724.00	$ 841456.00	$ 0.00	$ 0.00	$ 0.00	$ 111114455.00
7	$ 0.00	$ 0.00	$ 0.00	$ 1064780.00	$ 0.00	$ 1542303.00	$ 2607083.00
8	$ 0.00	$ 0.00	$ 0.00	$ 1064780.00	$ 0.00	$ 1542303.00	$ 2607083.00
9	$ 0.00	$ 0.00	$ 0.00	$ 1064780.00	$ 0.00	$ 1542303.00	$ 2607083.00
10	$ 0.00	$ 0.00	$ 0.00	$ 1064780.00	$ 0.00	$ 1542303.00	$ 2607083.00
11	$ 0.00	$ 0.00	$ 0.00	$ 1064780.00	$ 10501329.00	$ 1542303.00	$ 13108412.00
12	$ 0.00	$ 0.00	$ 0.00	$ 1064780.00	$ 0.00	$ 1542303.00	$ 2607083.00
13	$ 0.00	$ 0.00	$ 0.00	$ 1064780.00	$ 0.00	$ 1542303.00	$ 2607083.00
14	$ 0.00	$ 0.00	$ 0.00	$ 1064780.00	$ 0.00	$ 1542303.00	$ 2607083.00
15	$ 0.00	$ 0.00	$ 0.00	$ 1064780.00	$ 0.00	$ 1542303.00	$ 2607083.00
16	$ 0.00	$ 0.00	$ 0.00	$ 1064780.00	$ 10501329.00	$ 1542303.00	$ 13108412.00
17	$ 0.00	$ 0.00	$ 0.00	$ 1064780.00	$ 0.00	$ 1542303.00	$ 2607083.00
18	$ 0.00	$ 0.00	$ 0.00	$ 1064780.00	$ 0.00	$ 1542303.00	$ 2607083.00
19	$ 0.00	$ 0.00	$ 0.00	$ 1064780.00	$ 0.00	$ 1542303.00	$ 2607083.00
20	$ 0.00	$ 0.00	$ 0.00	$ 1064780.00	$ 0.00	$ 1542303.00	$ 2607083.00
21	$ 0.00	$ 0.00	$ 0.00	$ 1064780.00	$ 10501329.00	$ 1542303.00	$ 13108412.00
22	$ 0.00	$ 0.00	$ 0.00	$ 1064780.00	$ 0.00	$ 1542303.00	$ 2607083.00
23	$ 0.00	$ 0.00	$ 0.00	$ 1064780.00	$ 0.00	$ 1542303.00	$ 2607083.00
24	$ 0.00	$ 0.00	$ 0.00	$ 1064780.00	$ 0.00	$ 1542303.00	$ 2607083.00
25	$ 0.00	$ 0.00	$ 0.00	$ 1064780.00	$ 0.00	$ 1542303.00	$ 2607083.00
26	$ 0.00	$ 0.00	$ 0.00	$ 1064780.00	$ 10501329.00	$ 1542303.00	$ 13108412.00
TOTAL	$ 371787238.00	$ 24216724.00	$ 841456.00	$ 21295600.00	$ 42005316.00	$ 30846060.00	$ 490992394.00

UNIFORM ANNUAL COST ($)= 18864322.85

PROJECT EAST COAST RPR
MAJOR ALTERNATE PORTLAND ME, SITEMMINE 20MMB
MINOR ALTERNATE NO.6 FUEL OIL
UNADJUSTED METHOD

YEAR	INVEST SALVAGE	INIT FILL	O+M ACCEPT TEST	O+M STANDBY	O+M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 5001375.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 5001375.00
2	$ 20810079.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 20810079.00
3	$ 85270848.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 85270848.00
4	$ 85270848.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 85270848.00
5	$ 85270848.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 85270848.00
6	$ 85270848.00	$ 24491416.00	$ 923840.00	$ 0.00	$ 0.00	$ 0.00	$ 110686104.00
7	$ 0.00	$ 0.00	$ 0.00	$ 1362261.00	$ 0.00	$ 1838557.00	$ 3200818.00
8	$ 0.00	$ 0.00	$ 0.00	$ 1362261.00	$ 0.00	$ 1838557.00	$ 3200818.00
9	$ 0.00	$ 0.00	$ 0.00	$ 1362261.00	$ 0.00	$ 1838557.00	$ 3200818.00
10	$ 0.00	$ 0.00	$ 0.00	$ 1362261.00	$ 0.00	$ 1838557.00	$ 3200818.00
11	$ 0.00	$ 0.00	$ 0.00	$ 1362261.00	$ 10794825.00	$ 1838557.00	$ 13995643.00
12	$ 0.00	$ 0.00	$ 0.00	$ 1362261.00	$ 0.00	$ 1838557.00	$ 3200818.00
13	$ 0.00	$ 0.00	$ 0.00	$ 1362261.00	$ 0.00	$ 1838557.00	$ 3200818.00
14	$ 0.00	$ 0.00	$ 0.00	$ 1362261.00	$ 0.00	$ 1838557.00	$ 3200818.00
15	$ 0.00	$ 0.00	$ 0.00	$ 1362261.00	$ 0.00	$ 1838557.00	$ 3200818.00
16	$ 0.00	$ 0.00	$ 0.00	$ 1362261.00	$ 10794825.00	$ 1838557.00	$ 13995643.00
17	$ 0.00	$ 0.00	$ 0.00	$ 1362261.00	$ 0.00	$ 1838557.00	$ 3200818.00
18	$ 0.00	$ 0.00	$ 0.00	$ 1362261.00	$ 0.00	$ 1838557.00	$ 3200818.00
19	$ 0.00	$ 0.00	$ 0.00	$ 1362261.00	$ 0.00	$ 1838557.00	$ 3200818.00
20	$ 0.00	$ 0.00	$ 0.00	$ 1362261.00	$ 0.00	$ 1838557.00	$ 3200818.00
21	$ 0.00	$ 0.00	$ 0.00	$ 1362261.00	$ 10794825.00	$ 1838557.00	$ 13995643.00
22	$ 0.00	$ 0.00	$ 0.00	$ 1362261.00	$ 0.00	$ 1838557.00	$ 3200818.00
23	$ 0.00	$ 0.00	$ 0.00	$ 1362261.00	$ 0.00	$ 1838557.00	$ 3200818.00
24	$ 0.00	$ 0.00	$ 0.00	$ 1362261.00	$ 0.00	$ 1838557.00	$ 3200818.00
25	$ 0.00	$ 0.00	$ 0.00	$ 1362261.00	$ 0.00	$ 1838557.00	$ 3200818.00
26	$ 0.00	$ 0.00	$ 0.00	$ 1362261.00	$ 10794825.00	$ 1838557.00	$ 13995643.00
TOTAL	$ 366893846.00	$ 24491416.00	$ 923840.00	$ 27245220.00	$ 43179300.00	$ 36771140.00	$ 499505762.00

UNIFORM ANNUAL COST ($)= 19211740.00

PROJECT EAST COAST RPR
MAJOR ALTERNATE PORTSMOUTH NH SITE-CONCRETE TANKS 10MMB
MINOR ALTERNATE NON FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST SALVAGE		INIT FILL		O&M ACCEPT TEST		O&M STANDBY		O&M ENHANCED		SPARE PARTS		ANNUAL COST
1	$	466376.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	370722.55
2	$	7665054.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	6651493.14
3	$	30497075.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	24058549.02
4	$	30497075.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	21471408.20
5	$	30497075.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	19443098.37
6	$	30497075.00	$	12441797.00	$	664994.00	$	0.00	$	0.00	$	0.00	$	25643907.89
7	$	0.00	$	0.00	$	0.00	$	745208.00	$	0.00	$	1152956.00	$	1022761.19
8	$	0.00	$	0.00	$	0.00	$	745208.00	$	0.00	$	1152956.00	$	929762.89
9	$	0.00	$	0.00	$	0.00	$	745208.00	$	0.00	$	1152956.00	$	845257.17
10	$	0.00	$	0.00	$	0.00	$	745208.00	$	0.00	$	1152956.00	$	768415.61
11	$	0.00	$	0.00	$	0.00	$	745208.00	$	2411379.00	$	1152956.00	$	1585991.96
12	$	0.00	$	0.00	$	0.00	$	745208.00	$	0.00	$	1152956.00	$	635054.22
13	$	0.00	$	0.00	$	0.00	$	745208.00	$	0.00	$	1152956.00	$	577322.02
14	$	0.00	$	0.00	$	0.00	$	745208.00	$	0.00	$	1152956.00	$	524838.20
15	$	0.00	$	0.00	$	0.00	$	745208.00	$	0.00	$	1152956.00	$	477125.64
16	$	0.00	$	0.00	$	0.00	$	745208.00	$	2411379.00	$	1152956.00	$	984776.22
17	$	0.00	$	0.00	$	0.00	$	745208.00	$	0.00	$	1152956.00	$	394318.71
18	$	0.00	$	0.00	$	0.00	$	745208.00	$	0.00	$	1152956.00	$	358471.55
19	$	0.00	$	0.00	$	0.00	$	745208.00	$	0.00	$	1152956.00	$	325883.23
20	$	0.00	$	0.00	$	0.00	$	745208.00	$	0.00	$	1152956.00	$	296257.48
21	$	0.00	$	0.00	$	0.00	$	745208.00	$	2411379.00	$	1152956.00	$	611460.56
22	$	0.00	$	0.00	$	0.00	$	745208.00	$	0.00	$	1152956.00	$	244840.89
23	$	0.00	$	0.00	$	0.00	$	745208.00	$	0.00	$	1152956.00	$	222582.65
24	$	0.00	$	0.00	$	0.00	$	745208.00	$	0.00	$	1152956.00	$	202347.65
25	$	0.00	$	0.00	$	0.00	$	745208.00	$	0.00	$	1152956.00	$	183952.59
26	$	0.00	$	0.00	$	0.00	$	745208.00	$	2411379.00	$	1152956.00	$	379673.87
TOTAL	$	130041730.00	$	12441797.00	$	664994.00	$	14904160.00	$	9645516.00	$	23059120.00	$	110250301.65

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 110250301.65

UNIFORM ANNUAL COST (3)= 10382369.05

PROJECT EAST COAST RPR
MAJOR ALTERNATE HARPSWELL PF STEEL TANKS 10MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR	INVEST-SALVAGE	INIT FILL	O+M ACCEPT TEST	O+M STANDBY	O+M RECHARGE	SPARE PARTS	ANNUAL COST
1	$ 3566876.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 3404745.27
2	$ 7968150.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 6914510.33
3	$ 31759925.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 25054756.81
4	$ 31759925.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 22777078.92
5	$ 31759925.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 20706435.36
6	$ 31759925.00	$ 12279463.00	$ 664994.00	$ 0.00	$ 0.00	$ 0.00	$ 26496151.11
7	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 807262.79
8	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 733875.26
9	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 667159.33
10	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 606508.48
11	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 4318138.00	$ 715092.00	$ 2140526.42
12	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 501246.68
13	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 455678.80
14	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 414253.45
15	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 376594.05
16	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 4318138.00	$ 715092.00	$ 1329098.50
17	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 311234.75
18	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 282940.68
19	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 257218.80
20	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 233835.27
21	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 4318138.00	$ 715092.00	$ 625265.60
22	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 193252.29
23	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 175683.90
24	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 159712.64
25	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 0.00	$ 715092.00	$ 145193.31
26	$ 0.00	$ 0.00	$ 0.00	$ 783124.00	$ 4318138.00	$ 715092.00	$ 512425.01
TOTAL	$ 138574726.00	$ 12279463.00	$ 664994.00	$ 15662480.00	$ 17272552.00	$ 14301840.00	$ 116482703.86

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 116482703.86

UNIFORM ANNUAL COST ($)= 10969279.92

PROJECT EAST COAST RPR
MAJOR ALTERNATE PORTSMOUTH NH SITE-- STEEL TANK 10 MMB
MINOR ALTERNATE NO.6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST SALVAGE		INIT FILL		O-M ACCEPT TEST		O-M STANDBY		O-M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	388876.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	371199.82
2	$	9152946.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	7942639.09
3	$	36696625.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	28949253.38
4	$	36596625.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	26317503.07
5	$	36696625.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	23925002.79
6	$	35596625.00	$	12440302.00	$	664994.00	$	0.00	$	0.00	$	0.00	$	29517480.37
7	$	0.00	$	0.00	$	0.00	$	777835.00	$	0.00	$	974456.00	$	944162.47
8	$	0.00	$	0.00	$	0.00	$	777835.00	$	0.00	$	974456.00	$	858329.52
9	$	0.00	$	0.00	$	0.00	$	777835.00	$	0.00	$	974456.00	$	780299.56
10	$	0.00	$	0.00	$	0.00	$	777835.00	$	0.00	$	974456.00	$	709363.24
11	$	0.00	$	0.00	$	0.00	$	777835.00	$	4428781.00	$	974456.00	$	2274749.43
12	$	0.00	$	0.00	$	0.00	$	777835.00	$	0.00	$	974456.00	$	586250.61
13	$	0.00	$	0.00	$	0.00	$	777835.00	$	0.00	$	974456.00	$	532955.10
14	$	0.00	$	0.00	$	0.00	$	777835.00	$	0.00	$	974456.00	$	484504.64
15	$	0.00	$	0.00	$	0.00	$	777835.00	$	0.00	$	974456.00	$	440458.76
16	$	0.00	$	0.00	$	0.00	$	777835.00	$	4428781.00	$	974456.00	$	1412440.43
17	$	0.00	$	0.00	$	0.00	$	777835.00	$	0.00	$	974456.00	$	364015.50
18	$	0.00	$	0.00	$	0.00	$	777835.00	$	0.00	$	974456.00	$	330923.19
19	$	0.00	$	0.00	$	0.00	$	777835.00	$	0.00	$	974456.00	$	300839.26
20	$	0.00	$	0.00	$	0.00	$	777835.00	$	0.00	$	974456.00	$	273490.24
21	$	0.00	$	0.00	$	0.00	$	777835.00	$	4428781.00	$	974456.00	$	877014.38
22	$	0.00	$	0.00	$	0.00	$	777835.00	$	0.00	$	974456.00	$	226024.99
23	$	0.00	$	0.00	$	0.00	$	777835.00	$	0.00	$	974456.00	$	205477.26
24	$	0.00	$	0.00	$	0.00	$	777835.00	$	0.00	$	974456.00	$	186797.51
25	$	0.00	$	0.00	$	0.00	$	777835.00	$	0.00	$	974456.00	$	169815.92
26	$	0.00	$	0.00	$	0.00	$	777835.00	$	4428781.00	$	974456.00	$	544556.93
TOTAL	$	156326322.00	$	12440302.00	$	664994.00	$	15556700.00	$	17715124.00	$	19489120.00	$	129525547.45

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 129525547.45

UNIFORM ANNUAL COST ($)= 12197536.11

PROJECT EAST COAST RPR
MAJOR ALTERNATE CANAVERAL FLA. SITE-STEEL TANKS 10MMB
MINOR ALTERNATE NO.6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST-SALVAGE		INIT FILL		O+M ACCEPT TEST		O+M STANDBY		O+M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	665376.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	635131.64
2	$	9206528.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	7989135.87
3	$	36919675.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	29125213.19
4	$	36919675.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	26477466.53
5	$	36919675.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	24070424.12
6	$	36919675.00	$	12424759.00	$	841456.00	$	0.00	$	0.00	$	0.00	$	29745057.89
7	$	0.00	$	0.00	$	0.00	$	943556.00	$	0.00	$	1564940.00	$	1351617.84
8	$	0.00	$	0.00	$	0.00	$	943556.00	$	0.00	$	1564940.00	$	1228743.49
9	$	0.00	$	0.00	$	0.00	$	943556.00	$	0.00	$	1564940.00	$	1117039.54
10	$	0.00	$	0.00	$	0.00	$	943556.00	$	0.00	$	1564940.00	$	1015490.49
11	$	0.00	$	0.00	$	0.00	$	943556.00	$	4296471.00	$	1564940.00	$	2504354.39
12	$	0.00	$	0.00	$	0.00	$	943556.00	$	0.00	$	1564940.00	$	839246.34
13	$	0.00	$	0.00	$	0.00	$	943556.00	$	0.00	$	1564940.00	$	762453.03
14	$	0.00	$	0.00	$	0.00	$	943556.00	$	0.00	$	1564940.00	$	693593.67
15	$	0.00	$	0.00	$	0.00	$	943556.00	$	0.00	$	1564940.00	$	630539.70
16	$	0.00	$	0.00	$	0.00	$	943556.00	$	4296471.00	$	1564940.00	$	1555007.04
17	$	0.00	$	0.00	$	0.00	$	943556.00	$	0.00	$	1564940.00	$	521107.19
18	$	0.00	$	0.00	$	0.00	$	943556.00	$	0.00	$	1564940.00	$	473733.81
19	$	0.00	$	0.00	$	0.00	$	943556.00	$	0.00	$	1564940.00	$	430667.10
20	$	0.00	$	0.00	$	0.00	$	943556.00	$	0.00	$	1564940.00	$	391515.54
21	$	0.00	$	0.00	$	0.00	$	943556.00	$	4296471.00	$	1564940.00	$	965537.03
22	$	0.00	$	0.00	$	0.00	$	943556.00	$	0.00	$	1564940.00	$	323566.56
23	$	0.00	$	0.00	$	0.00	$	943556.00	$	0.00	$	1564940.00	$	294151.42
24	$	0.00	$	0.00	$	0.00	$	943556.00	$	0.00	$	1564940.00	$	267410.38
25	$	0.00	$	0.00	$	0.00	$	943556.00	$	0.00	$	1564940.00	$	243100.35
26	$	0.00	$	0.00	$	0.00	$	943556.00	$	4296471.00	$	1564940.00	$	599562.53
TOTAL	$	157550604.00	$	12424759.00	$	841456.00	$	18871120.00	$	17185884.00	$	31298800.00	$	134251320.68

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 134251320.68

UNIFORM ANNUAL COST ($)= 12642567.14

PROJECT EAST COAST RPP
MAJOR ALTERNATE HARPSWELL PE CONCRETE TANKS 10MMR
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR	INVEST-SALVAGE	INIT FILL	O+M ACCEPT TEST	O+M STANDBY	O+M EOHANGO	SPARE PARTS	ANNUAL COST
1	$ 5537876.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 5286154.36
2	$ 7399830.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 6421340.05
3	$ 39391925.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 31075523.10
4	$ 39391975.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 26250511.41
5	$ 39391975.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 25682283.10
6	$ 39391975.00	$ 12276921.00	$ 664994.00	$ 0.00	$ 0.00	$ 0.00	$ 31019357.79
7	$ 0.00	$ 0.00	$ 0.00	$ 748942.00	$ 0.00	$ 930167.00	$ 904730.84
8	$ 0.00	$ 0.00	$ 0.00	$ 748942.00	$ 0.00	$ 930167.00	$ 822482.58
9	$ 0.00	$ 0.00	$ 0.00	$ 748942.00	$ 0.00	$ 930167.00	$ 747711.43
10	$ 0.00	$ 0.00	$ 0.00	$ 748942.00	$ 0.00	$ 930167.00	$ 679737.67
11	$ 0.00	$ 0.00	$ 0.00	$ 748942.00	$ 2306444.00	$ 930167.00	$ 1466757.61
12	$ 0.00	$ 0.00	$ 0.00	$ 748942.00	$ 0.00	$ 930167.00	$ 561766.67
13	$ 0.00	$ 0.00	$ 0.00	$ 748942.00	$ 0.00	$ 930167.00	$ 510696.97
14	$ 0.00	$ 0.00	$ 0.00	$ 748942.00	$ 0.00	$ 930167.00	$ 464269.97
15	$ 0.00	$ 0.00	$ 0.00	$ 748942.00	$ 0.00	$ 930167.00	$ 422063.61
16	$ 0.00	$ 0.00	$ 0.00	$ 748942.00	$ 2306444.00	$ 930167.00	$ 910741.08
17	$ 0.00	$ 0.00	$ 0.00	$ 748942.00	$ 0.00	$ 930167.00	$ 348812.90
18	$ 0.00	$ 0.00	$ 0.00	$ 748942.00	$ 0.00	$ 930167.00	$ 317102.64
19	$ 0.00	$ 0.00	$ 0.00	$ 748942.00	$ 0.00	$ 930167.00	$ 288275.13
20	$ 0.00	$ 0.00	$ 0.00	$ 748942.00	$ 0.00	$ 930167.00	$ 262068.30
21	$ 0.00	$ 0.00	$ 0.00	$ 748942.00	$ 2306444.00	$ 930167.00	$ 565496.55
22	$ 0.00	$ 0.00	$ 0.00	$ 748942.00	$ 0.00	$ 930167.00	$ 216585.37
23	$ 0.00	$ 0.00	$ 0.00	$ 748942.00	$ 0.00	$ 930167.00	$ 196895.79
24	$ 0.00	$ 0.00	$ 0.00	$ 748942.00	$ 0.00	$ 930167.00	$ 178996.17
25	$ 0.00	$ 0.00	$ 0.00	$ 748942.00	$ 0.00	$ 930167.00	$ 162723.79
26	$ 0.00	$ 0.00	$ 0.00	$ 748942.00	$ 2306444.00	$ 930167.00	$ 351130.11
TOTAL	$ 170505556.00	$ 12276921.00	$ 664994.00	$ 14978840.00	$ 9225776.00	$ 18603340.00	$ 136114217.02

NOTES ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 136114217.02

UNIFORM ANNUAL COST ($)= 13006338.77

PROJECT EAST COAST RPR
MAJOR ALTERNATE CALVERTON NY SITE-CONCRETE TANKS 10MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR	INVEST SALVAGE	INIT FILL	O+M ACCEPT TEST	O+M STANDBY	O+M ENGAGED	SPARE PARTS	ANNUAL COST
1	$ 1523776.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 1549968.00
2	$ 10629486.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 9223934.13
3	$ 42344875.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 33602643.69
4	$ 42844875.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 30729674.08
5	$ 42844875.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 27936069.16
6	$ 42844875.00	$ 12324745.00	$ 796812.00	$ 0.00	$ 0.00	$ 0.00	$ 33173542.23
7	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 1509462.71
8	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 1367693.37
9	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 1243357.61
10	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 1130325.10
11	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 2357617.00	$ 1911406.00	$ 1695215.17
12	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 934152.97
13	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 849229.94
14	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 772027.29
15	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 701842.96
16	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 2357617.00	$ 1911406.00	$ 1176779.51
17	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 580035.50
18	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 527305.00
19	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 479368.18
20	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 435769.26
21	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 2357617.00	$ 1911406.00	$ 730677.49
22	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 360156.41
23	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 327414.92
24	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 297649.93
25	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 0.00	$ 1911406.00	$ 270590.84
26	$ 0.00	$ 0.00	$ 0.00	$ 880758.00	$ 2357617.00	$ 1911406.00	$ 453599.44
TOTAL	$ 183646762.00	$ 12324745.00	$ 796812.00	$ 17615160.00	$ 9430468.00	$ 38228120.00	$ 152453616.84

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 152453616.84

UNIFORM ANNUAL COST ($)= 14354692.82

PROJECT EAST COAST RPR
MAJOR ALTERNATE PORTSMOUTH VA,SITE-STEEL TANKS 10MMB
MINOR ALTERNATE NO.6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST-SALVAGE		INIT FILL		O-M ACCEPT TEST		O-M STANDBY		O-M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	343376.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	327768.00
2	$	13071278.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	11342844.55
3	$	53027175.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	41832106.50
4	$	53027175.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	38029187.73
5	$	53027175.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	34571988.84
6	$	53027175.00	$	12482890.00	$	664994.00	$	980607.00	$	0.00	$	0.00	$	39803003.85
7	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	1029667.66
8	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	936079.69
9	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	850981.54
10	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	773619.58
11	$	0.00	$	0.00	$	0.00	$	980607.00	$	4449149.00	$	930412.00	$	2340660.09
12	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	639355.02
13	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	581231.84
14	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	528392.58
15	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	480356.89
16	$	0.00	$	0.00	$	0.00	$	980607.00	$	4449149.00	$	930412.00	$	1453369.76
17	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	396989.17
18	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	360899.24
19	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	328090.22
20	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	298263.84
21	$	0.00	$	0.00	$	0.00	$	980607.00	$	4449149.00	$	930412.00	$	902425.79
22	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	246499.04
23	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	224090.04
24	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	203718.21
25	$	0.00	$	0.00	$	0.00	$	980607.00	$	0.00	$	930412.00	$	185198.38
26	$	0.00	$	0.00	$	0.00	$	980607.00	$	4449149.00	$	930412.00	$	560335.42
TOTAL	$	225523354.00	$	12482890.00	$	664994.00	$	20592747.00	$	17796596.00	$	18608240.00	$	179227139.45

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 179227139.45

UNIFORM ANNUAL COST ($)= 16877979.27

PROJECT EAST COAST RPR
MAJOR ALTERNATE PORTSMOUTH VA, SITE-CONCRETE TANKS 10MMB 0.0
MINOR ALTERNATE NO.6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST-SALVAGE		INIT FILL		O-M ACCEPT TEST		O-M STANDBY		O-M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	543376.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	327768.00
2	$	13623054.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	11821658.43
3	$	55122075.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	43642508.45
4	$	55122075.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	39675007.68
5	$	55122075.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	36068188.80
6	$	55122075.00	$	12482888.00	$	664994.00	$	0.00	$	0.00	$	0.00	$	40581961.00
7	$	0.00	$	0.00	$	0.00	$	886880.00	$	0.00	$	1656102.00	$	1370199.45
8	$	0.00	$	0.00	$	0.00	$	886880.00	$	0.00	$	1656102.00	$	1245635.86
9	$	0.00	$	0.00	$	0.00	$	886880.00	$	0.00	$	1656102.00	$	1132396.24
10	$	0.00	$	0.00	$	0.00	$	886880.00	$	0.00	$	1656102.00	$	1029451.13
11	$	0.00	$	0.00	$	0.00	$	886880.00	$	2425488.00	$	1656102.00	$	1828469.35
12	$	0.00	$	0.00	$	0.00	$	886880.00	$	0.00	$	1656102.00	$	850786.06
13	$	0.00	$	0.00	$	0.00	$	886880.00	$	0.00	$	1656102.00	$	773441.87
14	$	0.00	$	0.00	$	0.00	$	886880.00	$	0.00	$	1656102.00	$	703128.97
15	$	0.00	$	0.00	$	0.00	$	886880.00	$	0.00	$	1656102.00	$	639208.15
16	$	0.00	$	0.00	$	0.00	$	886880.00	$	2425488.00	$	1656102.00	$	1135348.02
17	$	0.00	$	0.00	$	0.00	$	886880.00	$	0.00	$	1656102.00	$	528271.20
18	$	0.00	$	0.00	$	0.00	$	886880.00	$	0.00	$	1656102.00	$	480246.55
19	$	0.00	$	0.00	$	0.00	$	886880.00	$	0.00	$	1656102.00	$	436587.77
20	$	0.00	$	0.00	$	0.00	$	886880.00	$	0.00	$	1656102.00	$	396897.97
21	$	0.00	$	0.00	$	0.00	$	886880.00	$	2425488.00	$	1656102.00	$	704961.80
22	$	0.00	$	0.00	$	0.00	$	886880.00	$	0.00	$	1656102.00	$	328014.85
23	$	0.00	$	0.00	$	0.00	$	886880.00	$	0.00	$	1656102.00	$	298195.32
24	$	0.00	$	0.00	$	0.00	$	886880.00	$	0.00	$	1656102.00	$	271086.66
25	$	0.00	$	0.00	$	0.00	$	886880.00	$	0.00	$	1656102.00	$	246442.42
26	$	0.00	$	0.00	$	0.00	$	886880.00	$	2425488.00	$	1656102.00	$	437725.81
TOTAL	$	[illegible]59730.00	$	12482888.00	$	664994.00	$	17737600.00	$	9701952.00	$	33122040.00	$	186953627.83

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 186953627.83

UNIFORM ANNUAL COST ($)= 17605589.56

PROJECT EAST COAST RPR
MAJOR ALTERNATE NORTHVILLE NY CONCRETE TANKS 20MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR	INVEST-SALVAGE	INIT FILL	O+M ACCEPT TEST	O+M STANDBY	O+M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 5452376.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 5204540.73
2	$ 16205436.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 14062568.43
3	$ 66082000.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 52130803.91
4	$ 66082000.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 47391639.92
5	$ 66082000.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 43083309.01
6	$ 66082000.00	$ 24507753.00	$ 664994.00	$ 0.00	$ 0.00	$ 0.00	$ 94066471.96
7	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 1452958.90
8	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 1320871.73
9	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 1200792.48
10	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 1091629.53
11	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 4379652.00	$ 1910762.00	$ 2604183.85
12	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 902173.16
13	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 820157.42
14	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 745597.65
15	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 677816.05
16	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 4379652.00	$ 1910762.00	$ 1616993.28
17	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 560178.59
18	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 509253.23
19	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 462957.48
20	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 420870.44
21	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 4379652.00	$ 1910762.00	$ 1004025.61
22	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 347826.81
23	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 316206.19
24	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 287460.17
25	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 0.00	$ 1910762.00	$ 261327.43
26	$ 0.00	$ 0.00	$ 0.00	$ 785815.00	$ 4379652.00	$ 1910762.00	$ 623420.91
TOTAL	$ 285985812.00	$ 24507753.00	$ 664994.00	$ 15716300.00	$ 17518608.00	$ 38215240.00	$ 233186034.81

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 233186034.81

UNIFORM ANNUAL COST ($)= 21959336.49

PROJECT EAST COAST RPR
MAJOR ALTERNATE WEST DEPTFORD TV NJ=STEEL TANKS 20MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR	INVEST-SALVAGE	INIT FILL	O=M ACCEPT TEST	O=M STANDBY	O=M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 7363374.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 7011495.27
2	$ 16594370.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 14403544.21
3	$ 47719225.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 53422378.85
4	$ 47719225.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 48565798.95
5	$ 47719225.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 44159726.32
6	$ 47719225.00	$ 24249763.00	$ 641456.00	$ 0.00	$ 0.00	$ 0.00	$ 55032237.78
7	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 1359736.18
8	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 1236123.80
9	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 1123748.91
10	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 1021549.92
11	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 7709121.00	$ 1502697.00	$ 3765617.98
12	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 844259.19
13	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 767535.63
14	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 697759.66
15	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 634326.96
16	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 7709121.00	$ 1502697.00	$ 2338276.68
17	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 524237.16
18	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 476579.24
19	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 433253.85
20	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 393867.14
21	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 7709121.00	$ 1502697.00	$ 1451885.85
22	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 325510.03
23	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 295918.21
24	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 269016.55
25	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 0.00	$ 1502697.00	$ 244560.50
26	$ 0.00	$ 0.00	$ 0.00	$ 1020866.00	$ 7709121.00	$ 1502697.00	$ 901506.88
TOTAL	$ [illegible]	$ 24249763.00	$ 841456.00	$ 20417320.00	$ 30836484.00	$ 30053940.00	$ 241691721.75

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 241691721.75

UNIFORM ANNUAL COST ($)= 22760324.60

PROJECT EAST COAST RPR
MAJOR ALTERNATE WEST DEPTFORD II NJ-STEEL TANKS 20MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR	INVEST-SALVAGE	INIT FILL	O-M ACCEPT TEST	O-M STANDBY	O-M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 7175376.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 6849222.55
2	$ 17146957.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 14879590.79
3	$ 70005003.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 55225584.64
4	$ 70005003.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 50205076.94
5	$ 70005003.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 45640979.04
6	$ 70005003.00	$ 24119774.00	$ 841456.00	$ 0.00	$ 0.00	$ 0.00	$ 56286260.90
7	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 1240062.45
8	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 1127329.50
9	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 1024845.00
10	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 931677.27
11	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 7585621.00	$ 1282729.00	$ 3638628.92
12	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 769981.22
13	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 699982.92
14	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 636348.11
15	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 578498.28
16	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 7585621.00	$ 1282729.00	$ 2259302.28
17	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 478097.76
18	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 434634.32
19	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 395122.11
20	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 359201.92
21	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 7585621.00	$ 1282729.00	$ 1402848.96
22	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 296861.09
23	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 269873.72
24	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 245339.74
25	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 0.00	$ 1282729.00	$ 223036.13
26	$ 0.00	$ 0.00	$ 0.00	$ 1018729.00	$ 7585621.00	$ 1282729.00	$ 871058.83
TOTAL	$ 304342345.00	$ 24119774.00	$ 841456.00	$ 20374580.00	$ 30342484.00	$ 25654580.00	$ 246969445.40

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 246969445.40

UNIFORM ANNUAL COST ($)= 23257332.53

PROJECT EAST COAST RPR
MAJOR ALTERNATE YORKTOVILLE NY-STEEL TANKS 20MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR	CST-SALVAGE	INIT FILL	O&M ACCEPT TEST	O&M STANDBY	O&M EMBARKED	SPARE PARTS	ANNUAL COST
1	$ [illegible]9376.0[illegible]	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 5192131.64
2	$ [illegible]	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 15781395.87
3	$ [illegible]	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 58641515.90
4	$ [illegible]	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 53310467.18
5	$ [illegible]	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 48464061.07
6	$ [illegible]	$ 24505273.00	$ 664994.00	$ 0.00	$ 0.00	$ 0.00	$ 5697[illegible].85
7	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 0.00	$ 1432634.00	$ 1226492.37
8	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ [illegible]	$ 1432634.00	$ 1114957.06
9	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ [illegible]	$ 1432634.00	$ 1013630.06
10	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ [illegible]	$ 1432634.00	$ 921[illegible]
11	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 7647[illegible]	$ 1432634.00	$ 365231[illegible]
12	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ [illegible]	$ 1432634.00	$ 761555.26
13	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ [illegible]	$ 1432634.00	$ 692322.97
14	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ [illegible]	$ 1432634.00	$ 6293[illegible].52
15	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ [illegible]	$ 1432634.00	$ 572177.74
16	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 7647[illegible]	$ 1432634.00	$ 226[illegible].68
17	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 0.00	$ 1432634.00	$ 472[illegible]
18	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ [illegible]	$ 1432634.00	$ 429[illegible].09
19	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ [illegible]	$ 1432634.00	$ 3907[illegible].27
20	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ [illegible]	$ 1432634.00	$ 355271.15
21	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 7647[illegible].00	$ 1432634.00	$ 140812[illegible].18
22	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ [illegible]	$ 1432634.00	$ 293612.52
23	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ [illegible]	$ 1432634.00	$ 26692[illegible].47
24	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ [illegible]	$ 1432634.00	$ 24265[illegible].98
25	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 0.00	$ 1432634.00	$ 22055[illegible].43
26	$ 0.00	$ 0.00	$ 0.00	$ 843639.00	$ 7647972.00	$ 1432634.00	$ 874338.95
TOTAL	$ [illegible]	$ 24505273.00	$ 664994.00	$ 16872780.00	$ 305919[illegible].00	$ 28652680.00	$ 258173363.02

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 258173363.02

UNIFORM ANNUAL COST ($)= 24312415.43

PROJECT EAST COAST RPR
MAJOR ALTERNATE CALVERTON UY CONCRETE TANKS 20MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST-SALVAGE		INIT FILL		O&M ACCEPT TEST		O&M STANDBY		O&M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	1624536.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	1549738.91
2	$	18165444.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	15763401.62
3	$	74248700.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	58573354.62
4	$	74248700.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	53248504.20
5	$	74248700.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	48407731.09
6	$	74248700.00	$	24263070.00	$	796812.00	$	0.00	$	0.00	$	0.00	$	58859960.85
7	$	0.00	$	0.00	$	0.00	$	920609.00	$	0.00	$	2813958.00	$	2012244.54
8	$	0.00	$	0.00	$	0.00	$	920609.00	$	0.00	$	2813958.00	$	1829313.22
9	$	0.00	$	0.00	$	0.00	$	920609.00	$	0.00	$	2813958.00	$	1663012.02
10	$	0.00	$	0.00	$	0.00	$	920609.00	$	0.00	$	2813958.00	$	1511829.11
11	$	0.00	$	0.00	$	0.00	$	920609.00	$	4592771.00	$	2813958.00	$	3064615.23
12	$	0.00	$	0.00	$	0.00	$	920609.00	$	0.00	$	2813958.00	$	1249445.54
13	$	0.00	$	0.00	$	0.00	$	920609.00	$	0.00	$	2813958.00	$	1135859.59
14	$	0.00	$	0.00	$	0.00	$	920609.00	$	0.00	$	2813958.00	$	1032599.62
15	$	0.00	$	0.00	$	0.00	$	920609.00	$	0.00	$	2813958.00	$	938726.93
16	$	0.00	$	0.00	$	0.00	$	920609.00	$	4592771.00	$	2813958.00	$	1902866.94
17	$	0.00	$	0.00	$	0.00	$	920609.00	$	0.00	$	2813958.00	$	775807.38
18	$	0.00	$	0.00	$	0.00	$	920609.00	$	0.00	$	2813958.00	$	705279.44
19	$	0.00	$	0.00	$	0.00	$	920609.00	$	0.00	$	2813958.00	$	641163.12
20	$	0.00	$	0.00	$	0.00	$	920609.00	$	0.00	$	2813958.00	$	582875.57
21	$	0.00	$	0.00	$	0.00	$	920609.00	$	4592771.00	$	2813958.00	$	1181541.84
22	$	0.00	$	0.00	$	0.00	$	920609.00	$	0.00	$	2813958.00	$	481715.34
23	$	0.00	$	0.00	$	0.00	$	920609.00	$	0.00	$	2813958.00	$	437923.04
24	$	0.00	$	0.00	$	0.00	$	920609.00	$	0.00	$	2813958.00	$	398111.86
25	$	0.00	$	0.00	$	0.00	$	920609.00	$	0.00	$	2813958.00	$	361919.87
26	$	0.00	$	0.00	$	0.00	$	920609.00	$	4592771.00	$	2813958.00	$	733644.52
TOTAL	$	316783780.00	$	24263070.00	$	796812.00	$	18412180.00	$	18371084.00	$	56279160.00	$	259043204.20

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 259043204.20

UNIFORM ANNUAL COST ($)= 24394329.14

PROJECT EAST COAST RPR
MAJOR ALTERNATE PORTLAND ME, SITE=MINE 20MMB
MINOR ALTERNATE NO.6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST SALVAGE		INIT FILL		O+M ACCEPT TEST		O+M STANDBY		O+M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	5001375.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	8774039.77
2	$	23810079.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	18058333.02
3	$	85270848.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	67268512.70
4	$	85270848.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	61153193.36
5	$	85270848.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	55593812.15
6	$	85270848.00	$	24491416.00	$	923840.00	$	0.00	$	0.00	$	0.00	$	65603391.13
7	$	0.00	$	0.00	$	0.00	$	1362261.00	$	0.00	$	1838557.00	$	1724652.03
8	$	0.00	$	0.00	$	0.00	$	1362261.00	$	0.00	$	1838557.00	$	1567865.48
9	$	0.00	$	0.00	$	0.00	$	1362261.00	$	0.00	$	1838557.00	$	1425332.26
10	$	0.00	$	0.00	$	0.00	$	1362261.00	$	0.00	$	1838557.00	$	1295756.60
11	$	0.00	$	0.00	$	0.00	$	1362261.00	$	10794825.00	$	1838557.00	$	5150656.87
12	$	0.00	$	0.00	$	0.00	$	1362261.00	$	0.00	$	1838557.00	$	1070873.22
13	$	0.00	$	0.00	$	0.00	$	1362261.00	$	0.00	$	1838557.00	$	973521.11
14	$	0.00	$	0.00	$	0.00	$	1362261.00	$	0.00	$	1838557.00	$	885019.19
15	$	0.00	$	0.00	$	0.00	$	1362261.00	$	0.00	$	1838557.00	$	804562.90
16	$	0.00	$	0.00	$	0.00	$	1362261.00	$	10794825.00	$	1838557.00	$	3198152.68
17	$	0.00	$	0.00	$	0.00	$	1362261.00	$	0.00	$	1838557.00	$	664928.02
18	$	0.00	$	0.00	$	0.00	$	1362261.00	$	0.00	$	1838557.00	$	604480.01
19	$	0.00	$	0.00	$	0.00	$	1362261.00	$	0.00	$	1838557.00	$	549527.29
20	$	0.00	$	0.00	$	0.00	$	1362261.00	$	0.00	$	1838557.00	$	499570.26
21	$	0.00	$	0.00	$	0.00	$	1362261.00	$	10794825.00	$	1838557.00	$	1985801.19
22	$	0.00	$	0.00	$	0.00	$	1362261.00	$	0.00	$	1838557.00	$	812867.98
23	$	0.00	$	0.00	$	0.00	$	1362261.00	$	0.00	$	1838557.00	$	375334.53
24	$	0.00	$	0.00	$	0.00	$	1362261.00	$	0.00	$	1838557.00	$	341213.21
25	$	0.00	$	0.00	$	0.00	$	1362261.00	$	0.00	$	1838557.00	$	310193.83
26	$	0.00	$	0.00	$	0.00	$	1362261.00	$	10794825.00	$	1838557.00	$	1233026.30
TOTAL	$	369894846.00	$	24491416.00	$	923840.00	$	27245220.00	$	43179300.00	$	36771140.00	$	297524617.07

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 297524617.07

UNIFORM ANNUAL COST ($)= 28018158.05

PROJECT EAST COAST RPM
MAIN ALTERNATE PRICNVILLE MF MTCR 20MMH
MINOR ALTERNATE NOR FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST-SALVAGE		INIT FILL		O+M ACCEPT TEST		O+M STANDBY		O+M ENHANCED		SPARE PARTS		ANNUAL COST
1	$	6562876.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	6264563.45
2	$	20999262.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	18222500.08
3	$	46356275.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	67688120.77
4	$	46356275.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	61716473.43
5	$	46356275.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	56105664.94
6	$	46356275.00	$	24215724.00	$	841456.00	$	0.00	$	0.00	$	0.00	$	65657273.75
7	$	0.00	$	0.00	$	0.00	$	1064780.00	$	0.00	$	1542303.00	$	1404738.10
8	$	0.00	$	0.00	$	0.00	$	1064780.00	$	0.00	$	1542303.00	$	1277034.63
9	$	0.00	$	0.00	$	0.00	$	1064780.00	$	0.00	$	1542303.00	$	1160940.58
10	$	0.00	$	0.00	$	0.00	$	1064780.00	$	0.00	$	1542303.00	$	1055400.52
11	$	0.00	$	0.00	$	0.00	$	1064780.00	$	10501329.00	$	1542303.00	$	4824139.36
12	$	0.00	$	0.00	$	0.00	$	1064780.00	$	0.00	$	1542303.00	$	872231.84
13	$	0.00	$	0.00	$	0.00	$	1064780.00	$	0.00	$	1542303.00	$	792938.03
14	$	0.00	$	0.00	$	0.00	$	1064780.00	$	0.00	$	1542303.00	$	720852.76
15	$	0.00	$	0.00	$	0.00	$	1064780.00	$	0.00	$	1542303.00	$	655320.69
16	$	0.00	$	0.00	$	0.00	$	1064780.00	$	10501329.00	$	1542303.00	$	2995410.99
17	$	0.00	$	0.00	$	0.00	$	1064780.00	$	0.00	$	1542303.00	$	541587.35
18	$	0.00	$	0.00	$	0.00	$	1064780.00	$	0.00	$	1542303.00	$	492352.13
19	$	0.00	$	0.00	$	0.00	$	1064780.00	$	0.00	$	1542303.00	$	447592.85
20	$	0.00	$	0.00	$	0.00	$	1064780.00	$	0.00	$	1542303.00	$	406902.59
21	$	0.00	$	0.00	$	0.00	$	1064780.00	$	10501329.00	$	1542303.00	$	1859914.56
22	$	0.00	$	0.00	$	0.00	$	1064780.00	$	0.00	$	1542303.00	$	336213.13
23	$	0.00	$	0.00	$	0.00	$	1064780.00	$	0.00	$	1542303.00	$	305711.94
24	$	0.00	$	0.00	$	0.00	$	1064780.00	$	0.00	$	1542303.00	$	277919.94
25	$	0.00	$	0.00	$	0.00	$	1064780.00	$	0.00	$	1542303.00	$	252654.49
26	$	0.00	$	0.00	$	0.00	$	1064780.00	$	10501329.00	$	1542303.00	$	1154860.61
TOTAL	$	[illegible]	$	24215724.00	$	841456.00	$	21295600.00	$	42005316.00	$	30846060.00	$	297869603.53

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 297869603.53

UNIFORM ANNUAL COST ($)= 23052529.15

PROJECT EAST COAST RPR
MAJOR ALTERNATE PORTSMOUTH NH SITE-CONCRETE TANKS 10MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR	INVEST SALVAGE	INIT FILL	O+M ACCEPT TEST	O+M STANDBY	O+M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 584376.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 370722.55
2	$ 8431559.40	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 7316642.45
3	$ 36901460.75	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 29110844.32
4	$ 40591606.82	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 29110844.32
5	$ 44650767.51	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 29110844.32
6	$ 49115844.26	$ 20037638.49	$ 1070979.49	$ 0.00	$ 0.00	$ 0.00	$ 41621872.09
7	$ 0.00	$ 0.00	$ 0.00	$ 1320181.43	$ 0.00	$ 2042531.88	$ 1811863.82
8	$ 0.00	$ 0.00	$ 0.00	$ 1452199.57	$ 0.00	$ 2246785.07	$ 1811863.82
9	$ 0.00	$ 0.00	$ 0.00	$ 1597419.53	$ 0.00	$ 2471463.58	$ 1811863.82
10	$ 0.00	$ 0.00	$ 0.00	$ 1757161.48	$ 0.00	$ 2718609.94	$ 1811863.82
11	$ 0.00	$ 0.00	$ 0.00	$ 1932877.63	$ 6254494.10	$ 2990470.93	$ 4113654.68
12	$ 0.00	$ 0.00	$ 0.00	$ 2126165.39	$ 0.00	$ 3289518.03	$ 1811863.82
13	$ 0.00	$ 0.00	$ 0.00	$ 2338781.93	$ 0.00	$ 3618469.83	$ 1811863.82
14	$ 0.00	$ 0.00	$ 0.00	$ 2572660.13	$ 0.00	$ 3980316.81	$ 1811863.82
15	$ 0.00	$ 0.00	$ 0.00	$ 2829926.14	$ 0.00	$ 4378348.49	$ 1811863.82
16	$ 0.00	$ 0.00	$ 0.00	$ 3112918.75	$ 10072928.51	$ 4816183.34	$ 4113654.68
17	$ 0.00	$ 0.00	$ 0.00	$ 3424210.63	$ 0.00	$ 5297801.67	$ 1811863.82
18	$ 0.00	$ 0.00	$ 0.00	$ 3766631.69	$ 0.00	$ 5827581.84	$ 1811863.82
19	$ 0.00	$ 0.00	$ 0.00	$ 4143294.86	$ 0.00	$ 6410340.03	$ 1811863.82
20	$ 0.00	$ 0.00	$ 0.00	$ 4557624.35	$ 0.00	$ 7051374.03	$ 1811863.82
21	$ 0.00	$ 0.00	$ 0.00	$ 5013386.78	$ 16222552.10	$ 7756511.43	$ 4113654.68
22	$ 0.00	$ 0.00	$ 0.00	$ 5514725.46	$ 0.00	$ 8532162.57	$ 1811863.82
23	$ 0.00	$ 0.00	$ 0.00	$ 6066198.01	$ 0.00	$ 9385378.83	$ 1811863.82
24	$ 0.00	$ 0.00	$ 0.00	$ 6672817.81	$ 0.00	$ 10323916.72	$ 1811863.82
25	$ 0.00	$ 0.00	$ 0.00	$ 7340099.59	$ 0.00	$ 11356308.39	$ 1811863.82
26	$ 0.00	$ 0.00	$ 0.00	$ 8074109.55	$ 26126562.38	$ 12491939.23	$ 4113654.68
TOTAL	$ 180079614.74	$ 20037638.49	$ 1070979.49	$ 75613390.72	$ 58676559.10	$ 116986012.64	$ 182086529.86

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 182086529.86

UNIFORM ANNUAL COST ($)= 17147250.61

PROJECT EAST COAST RPR
MAJOR ALTERNATE HARPSWELL ME STEEL TANKS 10MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST-SALVAGE		INIT FILL		O-M ACCEPT TEST		O-M STANDBY		O-M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	3566876.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	3404745.27
2	$	8764965.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	7605961.36
3	$	38429509.25	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	30316292.05
4	$	42272460.17	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	30316292.05
5	$	46499706.19	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	30316292.05
6	$	51149676.81	$	19776197.96	$	1070979.49	$	0.00	$	0.00	$	0.00	$	42672364.64
7	$	0.00	$	0.00	$	0.00	$	1387351.94	$	0.00	$	1266029.10	$	1430115.27
8	$	0.00	$	0.00	$	0.00	$	1526087.13	$	0.00	$	1393512.01	$	1430115.27
9	$	0.00	$	0.00	$	0.00	$	1678695.84	$	0.00	$	1532863.21	$	1430115.27
10	$	0.00	$	0.00	$	0.00	$	1846565.43	$	0.00	$	1666149.55	$	1430115.27
11	$	0.00	$	0.00	$	0.00	$	2031221.97	$	11200137.84	$	1854764.48	$	5551974.27
12	$	0.00	$	0.00	$	0.00	$	2234344.17	$	0.00	$	2040240.93	$	1430115.27
13	$	0.00	$	0.00	$	0.00	$	2457778.58	$	0.00	$	2244265.02	$	1430115.27
14	$	0.00	$	0.00	$	0.00	$	2703556.44	$	0.00	$	2468691.55	$	1430115.27
15	$	0.00	$	0.00	$	0.00	$	2973912.09	$	0.00	$	2715560.66	$	1430115.27
16	$	0.00	$	0.00	$	0.00	$	3271303.30	$	18037934.06	$	2987116.75	$	5551974.27
17	$	0.00	$	0.00	$	0.00	$	3598433.62	$	0.00	$	3285828.42	$	1430115.27
18	$	0.00	$	0.00	$	0.00	$	3958276.99	$	0.00	$	3614411.27	$	1430115.27
19	$	0.00	$	0.00	$	0.00	$	4354104.69	$	0.00	$	3975852.39	$	1430115.27
20	$	0.00	$	0.00	$	0.00	$	4789515.15	$	0.00	$	4373437.63	$	1430115.27
21	$	0.00	$	0.00	$	0.00	$	5268466.67	$	29050273.16	$	4810781.39	$	5551974.27
22	$	0.00	$	0.00	$	0.00	$	5795313.34	$	0.00	$	5291859.53	$	1430115.27
23	$	0.00	$	0.00	$	0.00	$	6374844.67	$	0.00	$	5821045.49	$	1430115.27
24	$	0.00	$	0.00	$	0.00	$	7012329.14	$	0.00	$	6403150.04	$	1430115.27
25	$	0.00	$	0.00	$	0.00	$	7713562.05	$	0.00	$	7043465.04	$	1430115.27
26	$	0.00	$	0.00	$	0.00	$	8484918.26	$	46785752.45	$	7747611.54	$	5551974.27
TOTAL	$	190683193.43	$	19776197.96	$	1070979.49	$	79460581.46	$	105074100.56	$	72557635.94	$	189721688.86

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 189721688.86

UNIFORM ANNUAL COST ($)= 17666260.33

PROJECT EAST COAST RPR
MAJOR ALTERNATE PORTSMOUTH NH SITE-- STEEL TANK 10 MMB
MINOR ALTERNATE NO.6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR	INVEST SALVAGE	INIT FILL	O-M ACCEPT TEST	O-M STANDBY	O-M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 388876.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 371199.82
2	$ 10068240.60	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 8736903.00
3	$ 44402916.25	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 35028596.59
4	$ 48843207.87	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 35028596.59
5	$ 53727528.66	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 35028596.59
6	$ 59100281.53	$ 20035230.77	$ 1070979.49	$ 0.00	$ 0.00	$ 0.00	$ 47538197.32
7	$ 0.00	$ 0.00	$ 0.00	$ 1377982.15	$ 0.00	$ 1726308.25	$ 1672641.41
8	$ 0.00	$ 0.00	$ 0.00	$ 1515780.37	$ 0.00	$ 1898939.07	$ 1672641.41
9	$ 0.00	$ 0.00	$ 0.00	$ 1667358.40	$ 0.00	$ 2088832.98	$ 1672641.41
10	$ 0.00	$ 0.00	$ 0.00	$ 1834094.24	$ 0.00	$ 2297716.28	$ 1672641.41
11	$ 0.00	$ 0.00	$ 0.00	$ 2017503.67	$ 11487117.33	$ 2527487.90	$ 5900114.18
12	$ 0.00	$ 0.00	$ 0.00	$ 2219254.03	$ 0.00	$ 2780236.69	$ 1672641.41
13	$ 0.00	$ 0.00	$ 0.00	$ 2441179.44	$ 0.00	$ 3058260.36	$ 1672641.41
14	$ 0.00	$ 0.00	$ 0.00	$ 2685297.38	$ 0.00	$ 3364086.40	$ 1672641.41
15	$ 0.00	$ 0.00	$ 0.00	$ 2953827.12	$ 0.00	$ 3700495.04	$ 1672641.41
16	$ 0.00	$ 0.00	$ 0.00	$ 3249209.83	$ 18500117.32	$ 4070544.54	$ 5900114.18
17	$ 0.00	$ 0.00	$ 0.00	$ 3574130.81	$ 0.00	$ 4477599.00	$ 1672641.41
18	$ 0.00	$ 0.00	$ 0.00	$ 3931543.89	$ 0.00	$ 4925358.90	$ 1672641.41
19	$ 0.00	$ 0.00	$ 0.00	$ 4324698.28	$ 0.00	$ 5417894.79	$ 1672641.41
20	$ 0.00	$ 0.00	$ 0.00	$ 4757168.11	$ 0.00	$ 5959684.26	$ 1672641.41
21	$ 0.00	$ 0.00	$ 0.00	$ 5232884.92	$ 29794623.95	$ 6555652.69	$ 5900114.18
22	$ 0.00	$ 0.00	$ 0.00	$ 5756173.42	$ 0.00	$ 7211217.96	$ 1672641.41
23	$ 0.00	$ 0.00	$ 0.00	$ 6331790.76	$ 0.00	$ 7932339.76	$ 1672641.41
24	$ 0.00	$ 0.00	$ 0.00	$ 6964969.83	$ 0.00	$ 8725573.73	$ 1672641.41
25	$ 0.00	$ 0.00	$ 0.00	$ 7661466.82	$ 0.00	$ 9598131.10	$ 1672641.41
26	$ 0.00	$ 0.00	$ 0.00	$ 8427613.50	$ 47984539.82	$ 10557944.21	$ 5900114.18
TOTAL	$ 216531050.92	$ 20035230.77	$ 1070979.49	$ 78923926.97	$ 107766395.43	$ 98874303.90	$ 212094809.18

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 212094809.18

UNIFORM ANNUAL COST ($)= 19973156.99

PROJECT EAST COAST RPH
MAJOR ALTERNATE HARPSWELL HE CONCRETE TANKS 10MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST-SALVAGE		INIT FILL		O+M ACCEPT TEST		O+M STANDBY		O+M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	5537876.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	5286154.36
2	$	8139813.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	7063474.09
3	$	47660229.25	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	37601382.95
4	$	52430718.72	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	37601430.68
5	$	57673790.60	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	37601430.68
6	$	63441169.66	$	19775325.06	$	1070979.49	$	0.00	$	0.00	$	0.00	$	49956965.91
7	$	0.00	$	0.00	$	0.00	$	1326796.44	$	0.00	$	1647847.54	$	1602785.86
8	$	0.00	$	0.00	$	0.00	$	1459476.08	$	0.00	$	1812632.34	$	1602785.86
9	$	0.00	$	0.00	$	0.00	$	1605423.69	$	0.00	$	1993895.57	$	1602785.86
10	$	0.00	$	0.00	$	0.00	$	1765966.06	$	0.00	$	2193285.13	$	1602785.86
11	$	0.00	$	0.00	$	0.00	$	1942562.67	$	5982321.73	$	2412613.64	$	3804391.50
12	$	0.00	$	0.00	$	0.00	$	2136818.93	$	0.00	$	2653875.01	$	1602785.86
13	$	0.00	$	0.00	$	0.00	$	2350500.83	$	0.00	$	2919262.51	$	1602785.86
14	$	0.00	$	0.00	$	0.00	$	2585550.91	$	0.00	$	3211188.76	$	1602785.86
15	$	0.00	$	0.00	$	0.00	$	2844106.00	$	0.00	$	3532307.65	$	1602785.86
16	$	0.00	$	0.00	$	0.00	$	3128516.60	$	9634580.98	$	3885538.40	$	3804391.50
17	$	0.00	$	0.00	$	0.00	$	3441368.26	$	0.00	$	4274092.24	$	1602785.86
18	$	0.00	$	0.00	$	0.00	$	3785505.08	$	0.00	$	4701501.46	$	1602785.86
19	$	0.00	$	0.00	$	0.00	$	4164055.59	$	0.00	$	5171651.61	$	1602785.86
20	$	0.00	$	0.00	$	0.00	$	4580461.15	$	0.00	$	5688816.77	$	1602785.86
21	$	0.00	$	0.00	$	0.00	$	5038507.27	$	15516601.89	$	6257698.45	$	3804391.50
22	$	0.00	$	0.00	$	0.00	$	5542357.99	$	0.00	$	6883468.29	$	1602785.86
23	$	0.00	$	0.00	$	0.00	$	6096593.79	$	0.00	$	7571815.12	$	1602785.86
24	$	0.00	$	0.00	$	0.00	$	6706253.17	$	0.00	$	8328996.63	$	1602785.86
25	$	0.00	$	0.00	$	0.00	$	7376878.49	$	0.00	$	9161896.29	$	1602785.86
26	$	0.00	$	0.00	$	0.00	$	8114566.34	$	24989682.51	$	10078085.92	$	3804391.50
TOTAL	$	234867597.23	$	19775325.06	$	1070979.49	$	75992265.34	$	56123155.12	$	94340469.35	$	215972998.50

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 215972998.50

UNIFORM ANNUAL COST ($)= 20338369.53

PROJECT EAST COAST RPR
MAJOR ALTERNATE CANAVERAL FLA, SITE-STEEL TANKS 10MMB
MINOR ALTERNATE NO.6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST-SALVAGE		INIT FILL		O-M ACCEPT TEST		O-M STANDBY		O-M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	665376.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	635131.64
2	$	10127180.80	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	8788049.45
3	$	44672806.75	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	35241507.95
4	$	49139891.77	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	35241367.64
5	$	54053880.94	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	35241367.64
6	$	59459269.04	$	20010198.62	$	1355173.30	$	0.00	$	0.00	$	0.00	$	47904572.86
7	$	0.00	$	0.00	$	0.00	$	1671567.01	$	0.00	$	2772386.67	$	2394473.45
8	$	0.00	$	0.00	$	0.00	$	1838723.71	$	0.00	$	3049625.34	$	2394473.45
9	$	0.00	$	0.00	$	0.00	$	2022596.08	$	0.00	$	3354587.87	$	2394473.45
10	$	0.00	$	0.00	$	0.00	$	2224855.69	$	0.00	$	3690046.66	$	2394473.45
11	$	0.00	$	0.00	$	0.00	$	2447341.26	$	11143939.26	$	4059051.33	$	6495650.32
12	$	0.00	$	0.00	$	0.00	$	2692075.39	$	0.00	$	4464956.46	$	2394473.45
13	$	0.00	$	0.00	$	0.00	$	2961282.93	$	0.00	$	4911452.10	$	2394473.45
14	$	0.00	$	0.00	$	0.00	$	3257411.22	$	0.00	$	5402597.31	$	2394473.45
15	$	0.00	$	0.00	$	0.00	$	3583152.34	$	0.00	$	5942857.05	$	2394473.45
16	$	0.00	$	0.00	$	0.00	$	3941467.57	$	17947425.62	$	6537142.75	$	6495650.32
17	$	0.00	$	0.00	$	0.00	$	4335614.33	$	0.00	$	7190857.03	$	2394473.45
18	$	0.00	$	0.00	$	0.00	$	4769175.76	$	0.00	$	7909942.73	$	2394473.45
19	$	0.00	$	0.00	$	0.00	$	5246093.34	$	0.00	$	8700937.00	$	2394473.45
20	$	0.00	$	0.00	$	0.00	$	5770702.67	$	0.00	$	9571030.70	$	2394473.45
21	$	0.00	$	0.00	$	0.00	$	6347772.94	$	28904500.43	$	10528133.77	$	6495650.32
22	$	0.00	$	0.00	$	0.00	$	6982550.24	$	0.00	$	11580947.15	$	2394473.45
23	$	0.00	$	0.00	$	0.00	$	7680805.26	$	0.00	$	12739041.86	$	2394473.45
24	$	0.00	$	0.00	$	0.00	$	8448865.79	$	0.00	$	14012946.05	$	2394473.45
25	$	0.00	$	0.00	$	0.00	$	9293774.36	$	0.00	$	15414240.65	$	2394473.45
26	$	0.00	$	0.00	$	0.00	$	10223151.80	$	46550999.88	$	16955664.72	$	6495650.32
TOTAL	$	218118405.30	$	20010198.62	$	1355173.30	$	95738999.70	$	104546673.20	$	158788445.20	$	227346173.73

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 227346173.73

UNIFORM ANNUAL COST ($)= 21409391.57

PROJECT EAST COAST MPG
MAJOR ALTERNATE CALVERTON NY SITE-CONCRETE TANKS 10MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST SALVAGE		INIT FILL		O+M ACCEPT TEST		O+M STANDBY		O+M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	1623776.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	1549968.00
2	$	11692434.60	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	10146327.55
3	$	5[illegible]647136.75	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	40901198.86
4	$	57031852.62	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	40901198.86
5	$	62735037.89	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	40901198.86
6	$	69008541.68	$	19849125.07	$	1283273.69	$	0.00	$	0.00	$	0.00	$	53426321.45
7	$	0.00	$	0.00	$	0.00	$	1560316.52	$	0.00	$	3386172.32	$	2665247.45
8	$	0.00	$	0.00	$	0.00	$	1716348.18	$	0.00	$	3724789.56	$	2665247.45
9	$	0.00	$	0.00	$	0.00	$	1887982.99	$	0.00	$	4097268.51	$	2665247.45
10	$	0.00	$	0.00	$	0.00	$	2076781.29	$	0.00	$	4506995.36	$	2665247.45
11	$	0.00	$	0.00	$	0.00	$	2284459.42	$	6115051.32	$	4957694.90	$	4915700.05
12	$	0.00	$	0.00	$	0.00	$	2512905.36	$	0.00	$	5453464.39	$	2665247.45
13	$	0.00	$	0.00	$	0.00	$	2764195.90	$	0.00	$	5998810.63	$	2665247.45
14	$	0.00	$	0.00	$	0.00	$	3040615.49	$	0.00	$	6598691.91	$	2665247.45
15	$	0.00	$	0.00	$	0.00	$	3344677.04	$	0.00	$	7258561.10	$	2665247.45
16	$	0.00	$	0.00	$	0.00	$	3679144.74	$	9848351.30	$	7984417.21	$	4915700.05
17	$	0.00	$	0.00	$	0.00	$	4047059.22	$	0.00	$	8782858.94	$	2665247.45
18	$	0.00	$	0.00	$	0.00	$	4451765.14	$	0.00	$	9661144.83	$	2665247.45
19	$	0.00	$	0.00	$	0.00	$	4896941.65	$	0.00	$	10627259.31	$	2665247.45
20	$	0.00	$	0.00	$	0.00	$	5386635.82	$	0.00	$	11689985.24	$	2665247.45
21	$	0.00	$	0.00	$	0.00	$	5925299.40	$	15860866.25	$	12858983.77	$	4915700.05
22	$	0.00	$	0.00	$	0.00	$	6517829.34	$	0.00	$	14144882.14	$	2665247.45
23	$	0.00	$	0.00	$	0.00	$	7169612.27	$	0.00	$	15559370.36	$	2665247.45
24	$	0.00	$	0.00	$	0.00	$	7886573.50	$	0.00	$	17115307.40	$	2665247.45
25	$	0.00	$	0.00	$	0.00	$	8675230.85	$	0.00	$	18826838.15	$	2665247.45
26	$	0.00	$	0.00	$	0.00	$	9542753.94	$	25544046.92	$	20709521.95	$	4915700.05
TOTAL	$	253339781.54	$	19849125.07	$	1283273.69	$	89367128.08	$	57368357.79	$	193943018.19	$	250132973.05

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 250132973.05

UNIFORM ANNUAL COST ($)= 23555244.74

PROJECT EAST COAST RPR
MAJOR ALTERNATE PORTSMOUTH VA,SITE-STEEL TANKS 10MMB
MINOR ALTERNATE NO.6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR	INVEST-SALVAGE	INIT FILL	O+M ACCEPT TEST	O+M STANDBY	O+M ENGAGED	SPARE PARTS	ANNUAL COST
1	$ 543376.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 327768.00
2	$ 14378405.80	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 12477129.00
3	$ 64162881.75	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 50616848.86
4	$ 70579169.92	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 50616848.86
5	$ 77637086.92	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 50616848.86
6	$ 85400795.61	$ 20103819.17	$ 1070979.49	$ 1579277.38	$ 0.00	$ 0.00	$ 64103135.73
7	$ 0.00	$ 0.00	$ 0.00	$ 1737205.12	$ 0.00	$ 1648261.61	$ 1824154.50
8	$ 0.00	$ 0.00	$ 0.00	$ 1910925.63	$ 0.00	$ 1813109.77	$ 1824154.50
9	$ 0.00	$ 0.00	$ 0.00	$ 2102018.19	$ 0.00	$ 1994420.75	$ 1824154.50
10	$ 0.00	$ 0.00	$ 0.00	$ 2312220.01	$ 0.00	$ 2193862.83	$ 1824154.50
11	$ 0.00	$ 0.00	$ 0.00	$ 2543442.01	$ 11539946.67	$ 2413249.11	$ 6071069.45
12	$ 0.00	$ 0.00	$ 0.00	$ 2797786.21	$ 0.00	$ 2654574.02	$ 1824154.50
13	$ 0.00	$ 0.00	$ 0.00	$ 3077564.84	$ 0.00	$ 2920031.42	$ 1824154.50
14	$ 0.00	$ 0.00	$ 0.00	$ 3385321.32	$ 0.00	$ 3212034.57	$ 1824154.50
15	$ 0.00	$ 0.00	$ 0.00	$ 3723853.45	$ 0.00	$ 3533238.02	$ 1824154.50
16	$ 0.00	$ 0.00	$ 0.00	$ 4096238.80	$ 18585199.52	$ 3886561.82	$ 6071069.45
17	$ 0.00	$ 0.00	$ 0.00	$ 4505862.68	$ 0.00	$ 4275218.01	$ 1824154.50
18	$ 0.00	$ 0.00	$ 0.00	$ 4956448.94	$ 0.00	$ 4702739.81	$ 1824154.50
19	$ 0.00	$ 0.00	$ 0.00	$ 5452093.84	$ 0.00	$ 5173013.79	$ 1824154.50
20	$ 0.00	$ 0.00	$ 0.00	$ 5997303.22	$ 0.00	$ 5690315.17	$ 1824154.50
21	$ 0.00	$ 0.00	$ 0.00	$ 6597033.54	$ 29931649.67	$ 6259346.68	$ 6071069.45
22	$ 0.00	$ 0.00	$ 0.00	$ 7256736.90	$ 0.00	$ 6885281.35	$ 1824154.50
23	$ 0.00	$ 0.00	$ 0.00	$ 7982410.59	$ 0.00	$ 7573809.49	$ 1824154.50
24	$ 0.00	$ 0.00	$ 0.00	$ 8780651.65	$ 0.00	$ 8331190.43	$ 1824154.50
25	$ 0.00	$ 0.00	$ 0.00	$ 9658716.81	$ 0.00	$ 9164309.48	$ 1824154.50
26	$ 0.00	$ 0.00	$ 0.00	$ 10624588.49	$ 48205221.11	$ 10080740.43	$ 6071069.45
TOTAL	$ 312501716.00	$ 20103819.17	$ 1070979.49	$ 101077699.61	$ 108262016.97	$ 94405326.56	$ 282229329.14

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 282229329.14

UNIFORM ANNUAL COST ($)= 26577787.17

PROJECT EAST COAST NPR
LOCATION PORTSMOUTH VA, SITE=CONCRETE TANKS 10MMB 0.0
ALTERNATE NO.6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST-SALVAGE		INIT FILL		O+M ACCEPT TEST		O+M STANDBY		O+M EXPAND		SPARE PARTS		ANNUAL COST
1	$	345376.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	327768.00
2	$	14985359.40	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	13003624.27
3	$	66939710.75	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	52807435.23
4	$	73633681.82	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	52807435.23
5	$	80997050.01	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	52807435.23
6	$	89096755.01	$	20103815.95	$	1070979.49	$	0.00	$	0.00	$	0.00	$	65357656.23
7	$	0.00	$	0.00	$	0.00	$	1571162.02	$	0.00	$	2933865.72	$	2427391.91
8	$	0.00	$	0.00	$	0.00	$	1728278.22	$	0.00	$	3227274.29	$	2427391.91
9	$	0.00	$	0.00	$	0.00	$	1901106.04	$	0.00	$	3550001.72	$	2427391.91
10	$	0.00	$	0.00	$	0.00	$	2091216.65	$	0.00	$	3905001.89	$	2427391.91
11	$	0.00	$	0.00	$	0.00	$	2300338.31	$	6291041.21	$	4295502.08	$	4742630.49
12	$	0.00	$	0.00	$	0.00	$	2530372.14	$	0.00	$	4725052.28	$	2427391.91
13	$	0.00	$	0.00	$	0.00	$	2783409.36	$	0.00	$	5197557.51	$	2427391.91
14	$	0.00	$	0.00	$	0.00	$	3061750.29	$	0.00	$	5717313.26	$	2427391.91
15	$	0.00	$	0.00	$	0.00	$	3367925.32	$	0.00	$	6289044.59	$	2427391.91
16	$	0.00	$	0.00	$	0.00	$	3704717.86	$	10131865.31	$	6917949.05	$	4742630.45
17	$	0.00	$	0.00	$	0.00	$	4075189.64	$	0.00	$	7609743.95	$	2427391.91
18	$	0.00	$	0.00	$	0.00	$	4482708.61	$	0.00	$	8370718.35	$	2427391.91
19	$	0.00	$	0.00	$	0.00	$	4930979.47	$	0.00	$	9207790.18	$	2427391.91
20	$	0.00	$	0.00	$	0.00	$	5424077.41	$	0.00	$	10128569.20	$	2427391.91
21	$	0.00	$	0.00	$	0.00	$	5966485.16	$	16317470.40	$	11141426.12	$	4742630.49
22	$	0.00	$	0.00	$	0.00	$	6563133.67	$	0.00	$	12255568.73	$	2427391.91
23	$	0.00	$	0.00	$	0.00	$	7219447.04	$	0.00	$	13481125.61	$	2427391.91
24	$	0.00	$	0.00	$	0.00	$	7941391.74	$	0.00	$	14829238.17	$	2427391.91
25	$	0.00	$	0.00	$	0.00	$	8735530.92	$	0.00	$	16312161.98	$	2427391.91
26	$	0.00	$	0.00	$	0.00	$	9609084.01	$	26279449.25	$	17943378.18	$	4742630.45
TOTAL	$	325995932.99	$	20103815.95	$	1070979.49	$	89988303.88	$	59019876.17	$	168036302.85	$	294920376.55

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 294920376.55

UNIFORM ANNUAL COST ($)= 27772914.40

PROJECT EAST COAST RPR
MAJOR ALTERNATE NORTHVILLE NY CONCRETE TANKS 20MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR	INVEST-SALVAGE	INIT FILL	O-M ACCEPT TEST	O-M STANDBY	O-M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 5452376.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 5204540.73
2	$ 17825979.60	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 15468825.27
3	$ 79959220.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 63078272.73
4	$ 87955142.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 63078272.73
5	$ 96750656.20	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 63078272.73
6	$ 106825721.82	$ 39469981.28	$ 1070979.49	$ 0.00	$ 0.00	$ 0.00	$ 87106803.95
7	$ 0.00	$ 0.00	$ 0.00	$ 1392119.21	$ 0.00	$ 3385031.44	$ 2574005.32
8	$ 0.00	$ 0.00	$ 0.00	$ 1531331.13	$ 0.00	$ 3723554.58	$ 2574005.32
9	$ 0.00	$ 0.00	$ 0.00	$ 1684464.24	$ 0.00	$ 4095888.04	$ 2574005.32
10	$ 0.00	$ 0.00	$ 0.00	$ 1852910.66	$ 0.00	$ 4505476.85	$ 2574005.32
11	$ 0.00	$ 0.00	$ 0.00	$ 2038201.73	$ 11359689.35	$ 4956024.53	$ 6754582.23
12	$ 0.00	$ 0.00	$ 0.00	$ 2242021.90	$ 0.00	$ 5451626.98	$ 2574005.32
13	$ 0.00	$ 0.00	$ 0.00	$ 2466224.09	$ 0.00	$ 5996789.68	$ 2574005.32
14	$ 0.00	$ 0.00	$ 0.00	$ 2712846.50	$ 0.00	$ 6596468.65	$ 2574005.32
15	$ 0.00	$ 0.00	$ 0.00	$ 2984131.15	$ 0.00	$ 7256115.52	$ 2574005.32
16	$ 0.00	$ 0.00	$ 0.00	$ 3282544.27	$ 18294843.50	$ 7981727.07	$ 6754582.23
17	$ 0.00	$ 0.00	$ 0.00	$ 3610798.70	$ 0.00	$ 8779899.77	$ 2574005.32
18	$ 0.00	$ 0.00	$ 0.00	$ 3971878.57	$ 0.00	$ 9657889.75	$ 2574005.32
19	$ 0.00	$ 0.00	$ 0.00	$ 4369066.42	$ 0.00	$ 10623678.73	$ 2574005.32
20	$ 0.00	$ 0.00	$ 0.00	$ 4805973.07	$ 0.00	$ 11686046.60	$ 2574005.32
21	$ 0.00	$ 0.00	$ 0.00	$ 5286570.37	$ 29464108.61	$ 12854651.26	$ 6754582.23
22	$ 0.00	$ 0.00	$ 0.00	$ 5815227.41	$ 0.00	$ 14140116.38	$ 2574005.32
23	$ 0.00	$ 0.00	$ 0.00	$ 6396750.15	$ 0.00	$ 15554128.02	$ 2574005.32
24	$ 0.00	$ 0.00	$ 0.00	$ 7036425.17	$ 0.00	$ 17109540.82	$ 2574005.32
25	$ 0.00	$ 0.00	$ 0.00	$ 7740067.68	$ 0.00	$ 18820494.91	$ 2574005.32
26	$ 0.00	$ 0.00	$ 0.00	$ 8514074.45	$ 47452241.55	$ 20702544.40	$ 6754582.23
TOTAL	$ 394369095.62	$ 39469981.28	$ 1070979.49	$ 79733626.89	$ 106570952.81	$ 193877673.98	$ 365217402.14

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 365217402.14

UNIFORM ANNUAL COST ($)= 34392847.88

PROJECT EAST COAST NPR
MAJOR ALTERNATE WEST DEPTFORD IV NJ-STEEL TANKS 20MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST-SALVAGE		INIT FILL		O-M ACCEPT TEST		O-M STANDBY		O-M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	7345376.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	7011495.27
2	$	18254207.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	15843898.64
3	$	81940262.25	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	64641078.41
4	$	90134288.47	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	64641078.41
5	$	99147717.32	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	64641078.41
6	$	109066489.05	$	39118906.21	$	1355173.30	$	0.00	$	0.00	$	0.00	$	88629969.27
7	$	0.00	$	0.00	$	0.00	$	1808526.39	$	0.00	$	2662119.40	$	2408855.59
8	$	0.00	$	0.00	$	0.00	$	1989379.03	$	0.00	$	2928331.34	$	2408855.59
9	$	0.00	$	0.00	$	0.00	$	2188316.93	$	0.00	$	3221164.47	$	2408855.59
10	$	0.00	$	0.00	$	0.00	$	2407148.63	$	0.00	$	3543280.92	$	2408855.59
11	$	0.00	$	0.00	$	0.00	$	2647863.49	$	19995474.47	$	3697609.01	$	9767562.00
12	$	0.00	$	0.00	$	0.00	$	2912649.84	$	0.00	$	4267369.91	$	2408855.59
13	$	0.00	$	0.00	$	0.00	$	3203914.82	$	0.00	$	4716106.91	$	2408855.59
14	$	0.00	$	0.00	$	0.00	$	3524306.31	$	0.00	$	5187717.60	$	2408855.59
15	$	0.00	$	0.00	$	0.00	$	3876736.94	$	0.00	$	5706489.36	$	2408855.59
16	$	0.00	$	0.00	$	0.00	$	4264410.63	$	32202911.59	$	6277138.29	$	9767562.00
17	$	0.00	$	0.00	$	0.00	$	4690851.69	$	0.00	$	6904852.12	$	2408855.59
18	$	0.00	$	0.00	$	0.00	$	5159936.86	$	0.00	$	7595337.33	$	2408855.59
19	$	0.00	$	0.00	$	0.00	$	5675930.55	$	0.00	$	8354871.07	$	2408855.59
20	$	0.00	$	0.00	$	0.00	$	6243523.60	$	0.00	$	9190358.17	$	2408855.59
21	$	0.00	$	0.00	$	0.00	$	6867875.96	$	51863111.14	$	10109393.99	$	9767562.00
22	$	0.00	$	0.00	$	0.00	$	7554663.56	$	0.00	$	11120333.39	$	2408855.59
23	$	0.00	$	0.00	$	0.00	$	8310129.92	$	0.00	$	12232366.73	$	2408855.59
24	$	0.00	$	0.00	$	0.00	$	9141142.91	$	0.00	$	13455603.40	$	2408855.59
25	$	0.00	$	0.00	$	0.00	$	10055257.20	$	0.00	$	14801163.74	$	2408855.59
26	$	0.00	$	0.00	$	0.00	$	11060782.92	$	83526059.12	$	16281280.12	$	9767562.00
TOTAL	$	405888340.10	$	39118906.21	$	1355173.30	$	103583348.18	$	187587556.31	$	152472887.29	$	383020535.86

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 383020535.86

UNIFORM ANNUAL COST ($)= 36069384.83

PROJECT EAST COAST RPP
MAJOR ALTERNATE WEST DEPTFORD II NJ-STEEL TANKS 20MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR	INVEST-SALVAGE	INIT FILL	O-M ACCEPT TEST	O-M STANDBY	O-M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 7175376.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 6649222.55
2	$ 18861652.70	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 16367509.86
3	$ 84706053.63	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 66822957.41
4	$ 93176658.99	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 66822957.41
5	$ 102494324.89	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 66822957.41
6	$ 112743757.38	$ 38845137.22	$ 1355173.30	$ 0.00	$ 0.00	$ 0.00	$ 90649516.05
7	$ 0.00	$ 0.00	$ 0.00	$ 1800740.57	$ 0.00	$ 2272432.67	$ 2196846.27
8	$ 0.00	$ 0.00	$ 0.00	$ 1965214.62	$ 0.00	$ 2499675.94	$ 2196846.27
9	$ 0.00	$ 0.00	$ 0.00	$ 2183736.08	$ 0.00	$ 2749643.53	$ 2196846.27
10	$ 0.00	$ 0.00	$ 0.00	$ 2402109.69	$ 0.00	$ 3024607.88	$ 2196846.27
11	$ 0.00	$ 0.00	$ 0.00	$ 2642320.66	$ 19675147.27	$ 3327066.67	$ 9437666.32
12	$ 0.00	$ 0.00	$ 0.00	$ 2906552.73	$ 0.00	$ 3659775.54	$ 2196846.27
13	$ 0.00	$ 0.00	$ 0.00	$ 3197208.00	$ 0.00	$ 4025753.09	$ 2196846.27
14	$ 0.00	$ 0.00	$ 0.00	$ 3516928.80	$ 0.00	$ 4428328.40	$ 2196846.27
15	$ 0.00	$ 0.00	$ 0.00	$ 3868621.68	$ 0.00	$ 4871161.24	$ 2196846.27
16	$ 0.00	$ 0.00	$ 0.00	$ 4255483.85	$ 31687021.44	$ 5358277.37	$ 9437666.32
17	$ 0.00	$ 0.00	$ 0.00	$ 4681032.24	$ 0.00	$ 5894105.10	$ 2196846.27
18	$ 0.00	$ 0.00	$ 0.00	$ 5149135.46	$ 0.00	$ 6483515.61	$ 2196846.27
19	$ 0.00	$ 0.00	$ 0.00	$ 5664049.00	$ 0.00	$ 7131867.18	$ 2196846.27
20	$ 0.00	$ 0.00	$ 0.00	$ 6230453.91	$ 0.00	$ 7845053.69	$ 2196846.27
21	$ 0.00	$ 0.00	$ 0.00	$ 6853499.30	$ 51032264.89	$ 8629559.28	$ 9437666.32
22	$ 0.00	$ 0.00	$ 0.00	$ 7538849.23	$ 0.00	$ 9492515.21	$ 2196846.27
23	$ 0.00	$ 0.00	$ 0.00	$ 8292734.15	$ 0.00	$ 10441766.73	$ 2196846.27
24	$ 0.00	$ 0.00	$ 0.00	$ 9122007.56	$ 0.00	$ 11485943.41	$ 2196846.27
25	$ 0.00	$ 0.00	$ 0.00	$ 10034208.32	$ 0.00	$ 12634537.75	$ 2196846.27
26	$ 0.00	$ 0.00	$ 0.00	$ 11037629.15	$ 82187972.93	$ 13897991.52	$ 9437666.32
TOTAL	$ 419157823.60	$ 38845137.22	$ 1355173.30	$ 103366515.00	$ 184582406.54	$ 130153580.02	$ 387235436.32

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 387235436.32

UNIFORM ANNUAL COST ($)= 36466305.76

PROJECT EAST COAST RPR
MAJOR ALTERNATE NORTHVILLE NY-STEEL TANKS 20MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR	INVEST-SALVAGE	INIT FILL	O-M ACCEPT TEST	O-M STANDBY	O-M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 5439376.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 5192131.64
2	$ 20004798.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 17359535.45
3	$ 99945471.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 70956231.82
4	$ 98940018.10	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 70956231.82
5	$ 108834019.91	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 70956231.82
6	$ 119717421.90	$ 39465987.22	$ 1070979.49	$ 0.00	$ 0.00	$ 0.00	$ 94982395.77
7	$ 0.00	$ 0.00	$ 0.00	$ 1494557.95	$ 0.00	$ 2537998.52	$ 2172806.05
8	$ 0.00	$ 0.00	$ 0.00	$ 1644013.75	$ 0.00	$ 2791798.37	$ 2172806.05
9	$ 0.00	$ 0.00	$ 0.00	$ 1808415.12	$ 0.00	$ 3070978.21	$ 2172806.05
10	$ 0.00	$ 0.00	$ 0.00	$ 1989256.63	$ 0.00	$ 3378076.03	$ 2172806.05
11	$ 0.00	$ 0.00	$ 0.00	$ 2188182.30	$ 19836921.58	$ 3715883.64	$ 9473162.05
12	$ 0.00	$ 0.00	$ 0.00	$ 2407000.52	$ 0.00	$ 4087472.00	$ 2172806.05
13	$ 0.00	$ 0.00	$ 0.00	$ 2647700.58	$ 0.00	$ 4496219.20	$ 2172806.05
14	$ 0.00	$ 0.00	$ 0.00	$ 2912470.64	$ 0.00	$ 4945841.12	$ 2172806.05
15	$ 0.00	$ 0.00	$ 0.00	$ 3203717.70	$ 0.00	$ 5440425.23	$ 2172806.05
16	$ 0.00	$ 0.00	$ 0.00	$ 3524089.47	$ 31947560.58	$ 5984467.75	$ 9473162.05
17	$ 0.00	$ 0.00	$ 0.00	$ 3876498.42	$ 0.00	$ 6582914.53	$ 2172806.05
18	$ 0.00	$ 0.00	$ 0.00	$ 4264148.26	$ 0.00	$ 7241205.98	$ 2172806.05
19	$ 0.00	$ 0.00	$ 0.00	$ 4690563.08	$ 0.00	$ 7965326.58	$ 2172806.05
20	$ 0.00	$ 0.00	$ 0.00	$ 5159619.39	$ 0.00	$ 8761859.24	$ 2172806.05
21	$ 0.00	$ 0.00	$ 0.00	$ 5675581.33	$ 51451865.79	$ 9638045.16	$ 9473162.05
22	$ 0.00	$ 0.00	$ 0.00	$ 6243139.46	$ 0.00	$ 10601649.68	$ 2172806.05
23	$ 0.00	$ 0.00	$ 0.00	$ 6867453.41	$ 0.00	$ 11662034.65	$ 2172806.05
24	$ 0.00	$ 0.00	$ 0.00	$ 7554198.75	$ 0.00	$ 12828238.11	$ 2172806.05
25	$ 0.00	$ 0.00	$ 0.00	$ 8309618.62	$ 0.00	$ 14111061.92	$ 2172806.05
26	$ 0.00	$ 0.00	$ 0.00	$ 9140580.49	$ 82863744.38	$ 15522168.11	$ 9473162.05
TOTAL	$ 442881104.91	$ 39465987.22	$ 1070979.49	$ 85600805.86	$ 186100092.34	$ 145363864.04	$ 403060303.23

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 403060303.23

UNIFORM ANNUAL COST ($)= 37956547.57

PROJECT EAST COAST RPR
MAJOR ALTERNATE CALVERTON NY CONCRETE TANKS 20MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST-SALVAGE		INIT FILL		O-M ACCEPT TEST		O-M STANDBY		O-M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	1623536.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	1549738.91
2	$	19981988.40	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	17339742.00
3	$	89840927.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	70873759.09
4	$	96825019.70	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	70873759.09
5	$	106707521.67	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	70873759.09
6	$	119578273.84	$	39075916.87	$	1283273.69	$	0.00	$	0.00	$	0.00	$	94744555.55
7	$	0.00	$	0.00	$	0.00	$	1630915.00	$	0.00	$	4965098.25	$	3564813.95
8	$	0.00	$	0.00	$	0.00	$	1794006.50	$	0.00	$	5483608.07	$	3564813.95
9	$	0.00	$	0.00	$	0.00	$	1973407.15	$	0.00	$	6031968.88	$	3564813.95
10	$	0.00	$	0.00	$	0.00	$	2170747.87	$	0.00	$	6635165.77	$	3564813.95
11	$	0.00	$	0.00	$	0.00	$	2387822.65	$	11912465.15	$	7298682.35	$	7948822.64
12	$	0.00	$	0.00	$	0.00	$	2626604.92	$	0.00	$	8028550.58	$	3564813.95
13	$	0.00	$	0.00	$	0.00	$	2889265.41	$	0.00	$	8831405.64	$	3564813.95
14	$	0.00	$	0.00	$	0.00	$	3178191.95	$	0.00	$	9714546.20	$	3564813.95
15	$	0.00	$	0.00	$	0.00	$	3496011.15	$	0.00	$	10686000.82	$	3564813.95
16	$	0.00	$	0.00	$	0.00	$	3845612.26	$	19185144.25	$	11754600.90	$	7948822.64
17	$	0.00	$	0.00	$	0.00	$	4230173.49	$	0.00	$	12930060.94	$	3564813.95
18	$	0.00	$	0.00	$	0.00	$	4653190.83	$	0.00	$	14223067.09	$	3564813.95
19	$	0.00	$	0.00	$	0.00	$	5118509.92	$	0.00	$	15645373.80	$	3564813.95
20	$	0.00	$	0.00	$	0.00	$	5630360.91	$	0.00	$	17209911.18	$	3564813.95
21	$	0.00	$	0.00	$	0.00	$	6193397.00	$	30897666.67	$	18930902.30	$	7948822.64
22	$	0.00	$	0.00	$	0.00	$	6812736.70	$	0.00	$	20823992.53	$	3564813.95
23	$	0.00	$	0.00	$	0.00	$	7494010.37	$	0.00	$	22906391.79	$	3564813.95
24	$	0.00	$	0.00	$	0.00	$	8243411.41	$	0.00	$	25197030.96	$	3564813.95
25	$	0.00	$	0.00	$	0.00	$	9067752.55	$	0.00	$	27716734.06	$	3564813.95
26	$	0.00	$	0.00	$	0.00	$	9974527.80	$	49761323.25	$	30488407.47	$	7948822.64
TOTAL	$	438557266.61	$	39075916.87	$	1283273.69	$	93410655.84	$	111756799.32	$	285521499.65	$	415137627.55

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 415137627.55

UNIFORM ANNUAL COST ($)= 39093879.95

PROJECT EAST COAST RPR
MAJOR ALTERNATE BROOKVILLE ME MINE 20MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST-SALVAGE		INIT FILL		O-M ACCEPT TEST		O-M STANDBY		O-M EMERGENCY		SPARE PARTS		ANNUAL COST
1	$	6562876.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	6264563.45
2	$	23099188.20	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	20044750.09
3	$	104128092.75	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	82144626.14
4	$	114540902.02	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	82144626.14
5	$	125994992.23	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	82144626.14
6	$	138594491.45	$	39001276.17	$	1355173.30	$	0.00	$	0.00	$	0.00	$	106063797.95
7	$	0.00	$	0.00	$	0.00	$	1886322.72	$	0.00	$	2732243.84	$	2488579.23
8	$	0.00	$	0.00	$	0.00	$	2074954.99	$	0.00	$	3005512.23	$	2488579.23
9	$	0.00	$	0.00	$	0.00	$	2282450.49	$	0.00	$	3306063.45	$	2488579.23
10	$	0.00	$	0.00	$	0.00	$	2510695.54	$	0.00	$	3636669.80	$	2488579.23
11	$	0.00	$	0.00	$	0.00	$	2761765.10	$	27237742.91	$	4000336.78	$	12512575.09
12	$	0.00	$	0.00	$	0.00	$	3037941.61	$	0.00	$	4400370.46	$	2488579.23
13	$	0.00	$	0.00	$	0.00	$	3341735.77	$	0.00	$	4840407.50	$	2488579.23
14	$	0.00	$	0.00	$	0.00	$	3675909.34	$	0.00	$	5324448.25	$	2488579.23
15	$	0.00	$	0.00	$	0.00	$	4043500.28	$	0.00	$	5856893.08	$	2488579.23
16	$	0.00	$	0.00	$	0.00	$	4447850.31	$	43866657.34	$	6442582.38	$	12512575.09
17	$	0.00	$	0.00	$	0.00	$	4892635.34	$	0.00	$	7086840.62	$	2488579.23
18	$	0.00	$	0.00	$	0.00	$	5381898.87	$	0.00	$	7795524.68	$	2488579.23
19	$	0.00	$	0.00	$	0.00	$	5920088.76	$	0.00	$	8575077.15	$	2488579.23
20	$	0.00	$	0.00	$	0.00	$	6512097.63	$	0.00	$	9432584.87	$	2488579.23
21	$	0.00	$	0.00	$	0.00	$	7163307.40	$	70647690.32	$	10375843.35	$	12512575.09
22	$	0.00	$	0.00	$	0.00	$	7879638.14	$	0.00	$	11413427.69	$	2488579.23
23	$	0.00	$	0.00	$	0.00	$	8667601.95	$	0.00	$	12554770.46	$	2488579.23
24	$	0.00	$	0.00	$	0.00	$	9534362.14	$	0.00	$	13810247.50	$	2488579.23
25	$	0.00	$	0.00	$	0.00	$	10487798.36	$	0.00	$	15191272.26	$	2488579.23
26	$	0.00	$	0.00	$	0.00	$	11536578.19	$	113778811.73	$	16710399.48	$	12512575.09
TOTAL	$	512920542.65	$	39001276.17	$	1355173.30	$	108039132.92	$	255530902.30	$	156491555.84	$	468674557.91

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 468674557.91

UNIFORM ANNUAL COST ($)= 44135500.34

PROJECT EAST COAST SPR
MAJOR ALTERNATE PORTLAND ME, STIEMINE 20MMB
MINOR ALTERNATE NO.6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR	INVEST SALVAGE	INIT FILL	O+M ACCEPT TEST	O+M STANDBY	O+M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 5001375.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 4774039.77
2	$ 22891086.90	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 19864166.32
3	$ 103177726.08	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 81394900.36
4	$ 113395498.69	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 81394900.36
5	$ 124445048.56	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 81394900.36
6	$ 137329553.41	$ 39443670.38	$ 1487853.56	$ 0.00	$ 0.00	$ 0.00	$ 105654917.45
7	$ 0.00	$ 0.00	$ 0.00	$ 2413328.46	$ 0.00	$ 3257115.88	$ 3055326.27
8	$ 0.00	$ 0.00	$ 0.00	$ 2654661.31	$ 0.00	$ 3582627.47	$ 3055326.27
9	$ 0.00	$ 0.00	$ 0.00	$ 2920127.44	$ 0.00	$ 3941110.21	$ 3055326.27
10	$ 0.00	$ 0.00	$ 0.00	$ 3212140.18	$ 0.00	$ 4335221.23	$ 3055326.27
11	$ 0.00	$ 0.00	$ 0.00	$ 3533354.20	$ 27998495.95	$ 4768743.36	$ 13359477.41
12	$ 0.00	$ 0.00	$ 0.00	$ 3886689.62	$ 0.00	$ 5245617.69	$ 3055326.27
13	$ 0.00	$ 0.00	$ 0.00	$ 4275358.58	$ 0.00	$ 5770179.46	$ 3055326.27
14	$ 0.00	$ 0.00	$ 0.00	$ 4702894.44	$ 0.00	$ 6347197.41	$ 3055326.27
15	$ 0.00	$ 0.00	$ 0.00	$ 5173183.88	$ 0.00	$ 6981917.15	$ 3055326.27
16	$ 0.00	$ 0.00	$ 0.00	$ 5690502.27	$ 45092662.97	$ 7680108.66	$ 13359477.41
17	$ 0.00	$ 0.00	$ 0.00	$ 6259552.50	$ 0.00	$ 8448119.75	$ 3055326.27
18	$ 0.00	$ 0.00	$ 0.00	$ 6885507.74	$ 0.00	$ 9292931.72	$ 3055326.27
19	$ 0.00	$ 0.00	$ 0.00	$ 7574058.52	$ 0.00	$ 10222224.90	$ 3055326.27
20	$ 0.00	$ 0.00	$ 0.00	$ 8331464.37	$ 0.00	$ 11244447.39	$ 3055326.27
21	$ 0.00	$ 0.00	$ 0.00	$ 9164610.81	$ 72622100.64	$ 12368892.12	$ 13359477.41
22	$ 0.00	$ 0.00	$ 0.00	$ 10081071.89	$ 0.00	$ 13605781.34	$ 3055326.27
23	$ 0.00	$ 0.00	$ 0.00	$ 11089179.08	$ 0.00	$ 14966359.47	$ 3055326.27
24	$ 0.00	$ 0.00	$ 0.00	$ 12198096.99	$ 0.00	$ 16462995.42	$ 3055326.27
25	$ 0.00	$ 0.00	$ 0.00	$ 13417906.68	$ 0.00	$ 18109294.46	$ 3055326.27
26	$ 0.00	$ 0.00	$ 0.00	$ 14759697.35	$ 116958754.59	$ 19920224.46	$ 13359477.41
TOTAL	$ 506740288.64	$ 39443670.38	$ 1487853.56	$ 138223386.29	$ 262672544.15	$ 186551310.23	$ 476800954.64

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 476800954.64

UNIFORM ANNUAL COST ($)= 44900770.36

PROJECT EAST COAST RPR
MAJOR ALTERNATE PORTSMOUTH NH SITE-CONCRETE TANKS 10MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST SALVAGE		INIT FILL		O-M ACCEPT TEST		O-M STANDBY		O-M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	388376.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	388376.00
2	$	8431559.40	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	8431559.40
3	$	36901460.75	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	36901460.75
4	$	40591606.82	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	40591606.82
5	$	44650767.51	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	44650767.51
6	$	49115844.25	$	20037636.49	$	1070979.49	$	0.00	$	0.00	$	0.00	$	70224462.23
7	$	0.00	$	0.00	$	0.00	$	1320181.43	$	0.00	$	2042531.88	$	3362713.31
8	$	0.00	$	0.00	$	0.00	$	1452199.57	$	0.00	$	2246785.07	$	3698984.65
9	$	0.00	$	0.00	$	0.00	$	1597419.53	$	0.00	$	2471463.58	$	4068883.11
10	$	0.00	$	0.00	$	0.00	$	1757161.48	$	0.00	$	2718609.94	$	4475771.42
11	$	0.00	$	0.00	$	0.00	$	1932877.63	$	6254496.10	$	2990470.93	$	11177844.66
12	$	0.00	$	0.00	$	0.00	$	2126165.39	$	0.00	$	3289518.03	$	5415683.42
13	$	0.00	$	0.00	$	0.00	$	2338781.93	$	0.00	$	3618469.83	$	5957251.76
14	$	0.00	$	0.00	$	0.00	$	2572660.13	$	0.00	$	3980316.81	$	6552976.94
15	$	0.00	$	0.00	$	0.00	$	2829926.14	$	0.00	$	4378348.49	$	7208274.63
16	$	0.00	$	0.00	$	0.00	$	3112918.75	$	10072948.51	$	4816163.34	$	18002030.61
17	$	0.00	$	0.00	$	0.00	$	3424210.63	$	0.00	$	5297801.67	$	8722012.30
18	$	0.00	$	0.00	$	0.00	$	3766631.69	$	0.00	$	5827581.84	$	9594213.53
19	$	0.00	$	0.00	$	0.00	$	4143294.86	$	0.00	$	6410340.03	$	10553634.89
20	$	0.00	$	0.00	$	0.00	$	4557624.35	$	0.00	$	7051374.03	$	11608998.38
21	$	0.00	$	0.00	$	0.00	$	5013386.78	$	16222552.10	$	7756511.43	$	28992450.31
22	$	0.00	$	0.00	$	0.00	$	5514725.46	$	0.00	$	8532162.57	$	14046888.04
23	$	0.00	$	0.00	$	0.00	$	6066198.01	$	0.00	$	9385378.83	$	15451576.84
24	$	0.00	$	0.00	$	0.00	$	6672817.81	$	0.00	$	10323916.72	$	16996734.52
25	$	0.00	$	0.00	$	0.00	$	7340099.59	$	0.00	$	11356306.39	$	18696407.97
26	$	0.00	$	0.00	$	0.00	$	8074109.55	$	26126562.38	$	12491939.23	$	46692631.16
TOTAL	$	180079614.74	$	20037638.49	$	1070979.49	$	75613390.72	$	58676559.10	$	116986012.64	$	452464195.17

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 452464195.17

UNIFORM ANNUAL COST ($)= 16757933.15

PROJECT EAST COAST RPR
MAJOR ALTERNATE HARPSWELL MF STEEL TANKS 10MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR	INVEST-SALVAGE	INIT FILL	O+M ACCEPT TEST	O+M STANDBY	O+M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 3566876.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 3566876.00
2	$ 8764965.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 8764965.00
3	$ 38429509.25	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 38429509.25
4	$ 42272460.17	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 42272460.17
5	$ 46499706.19	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 46499706.19
6	$ 51149676.81	$ 19776197.96	$ 1070979.49	$ 0.00	$ 0.00	$ 0.00	$ 71996854.25
7	$ 0.00	$ 0.00	$ 0.00	$ 1387351.94	$ 0.00	$ 1266829.10	$ 2654181.04
8	$ 0.00	$ 0.00	$ 0.00	$ 1526087.13	$ 0.00	$ 1393512.01	$ 2919599.14
9	$ 0.00	$ 0.00	$ 0.00	$ 1678695.84	$ 0.00	$ 1532863.21	$ 3211559.05
10	$ 0.00	$ 0.00	$ 0.00	$ 1846565.43	$ 0.00	$ 1686149.53	$ 3532714.96
11	$ 0.00	$ 0.00	$ 0.00	$ 2031221.97	$ 11200137.88	$ 1854764.48	$ 15086124.33
12	$ 0.00	$ 0.00	$ 0.00	$ 2234344.17	$ 0.00	$ 2040240.93	$ 4274585.10
13	$ 0.00	$ 0.00	$ 0.00	$ 2457778.58	$ 0.00	$ 2244265.02	$ 4702043.61
14	$ 0.00	$ 0.00	$ 0.00	$ 2703556.44	$ 0.00	$ 2468691.53	$ 5172247.97
15	$ 0.00	$ 0.00	$ 0.00	$ 2973912.09	$ 0.00	$ 2715560.68	$ 5689472.77
16	$ 0.00	$ 0.00	$ 0.00	$ 3271303.30	$ 18037934.06	$ 2987116.75	$ 24296354.10
17	$ 0.00	$ 0.00	$ 0.00	$ 3598433.62	$ 0.00	$ 3285828.42	$ 6884262.05
18	$ 0.00	$ 0.00	$ 0.00	$ 3958276.99	$ 0.00	$ 3614411.27	$ 7572688.25
19	$ 0.00	$ 0.00	$ 0.00	$ 4354104.69	$ 0.00	$ 3975852.39	$ 8329957.08
20	$ 0.00	$ 0.00	$ 0.00	$ 4789515.15	$ 0.00	$ 4373437.63	$ 9162952.79
21	$ 0.00	$ 0.00	$ 0.00	$ 5268466.67	$ 29050273.18	$ 4810781.39	$ 39129521.24
22	$ 0.00	$ 0.00	$ 0.00	$ 5795313.34	$ 0.00	$ 5291859.53	$ 11087172.87
23	$ 0.00	$ 0.00	$ 0.00	$ 6374844.67	$ 0.00	$ 5821045.49	$ 12195890.16
24	$ 0.00	$ 0.00	$ 0.00	$ 7012329.14	$ 0.00	$ 6403150.04	$ 13415479.17
25	$ 0.00	$ 0.00	$ 0.00	$ 7713562.05	$ 0.00	$ 7043465.04	$ 14757027.09
26	$ 0.00	$ 0.00	$ 0.00	$ 8484918.26	$ 46785755.45	$ 7747811.54	$ 63018485.25
TOTAL	$ 190683193.43	$ 19776197.96	$ 1070979.49	$ 79460581.46	$ 105074100.56	$ 72557635.94	$ 468622688.88

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 468622688.88

UNIFORM ANNUAL COST ($)= 17356395.88

PROJECT EAST COAST HPR
MAJOR ALTERNATE HARPSWELL PE CONCRETE TANKS 10MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST-SALVAGE		INIT FILL		O-M ACCEPT.TEST		O-M STANDBY		O-M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	5537876.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	5537876.00
2	$	8139813.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	8139813.00
3	$	47664229.25	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	47664229.25
4	$	52430718.72	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	52430718.72
5	$	57673790.60	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	57673790.60
6	$	63441169.66	$	19775335.06	$	1070979.49	$	0.00	$	0.00	$	0.00	$	84287474.20
7	$	0.00	$	0.00	$	0.00	$	1326796.44	$	0.00	$	1647847.58	$	2974644.02
8	$	0.00	$	0.00	$	0.00	$	1459476.08	$	0.00	$	1812632.34	$	3272108.42
9	$	0.00	$	0.00	$	0.00	$	1605423.69	$	0.00	$	1993895.57	$	3599319.26
10	$	0.00	$	0.00	$	0.00	$	1765966.06	$	0.00	$	2193285.13	$	3959251.19
11	$	0.00	$	0.00	$	0.00	$	1942562.67	$	5982321.73	$	2412613.64	$	10337498.04
12	$	0.00	$	0.00	$	0.00	$	2136818.93	$	0.00	$	2653875.01	$	4790693.94
13	$	0.00	$	0.00	$	0.00	$	2350500.83	$	0.00	$	2919262.51	$	5269763.33
14	$	0.00	$	0.00	$	0.00	$	2585550.91	$	0.00	$	3211188.76	$	5796739.67
15	$	0.00	$	0.00	$	0.00	$	2844106.00	$	0.00	$	3532307.63	$	6376413.63
16	$	0.00	$	0.00	$	0.00	$	3128516.60	$	9634586.98	$	3885538.40	$	16648643.97
17	$	0.00	$	0.00	$	0.00	$	3441368.26	$	0.00	$	4274092.24	$	7715460.50
18	$	0.00	$	0.00	$	0.00	$	3785505.08	$	0.00	$	4701501.46	$	8487006.55
19	$	0.00	$	0.00	$	0.00	$	4164055.59	$	0.00	$	5171651.61	$	9335707.20
20	$	0.00	$	0.00	$	0.00	$	4580461.15	$	0.00	$	5688816.77	$	10269277.92
21	$	0.00	$	0.00	$	0.00	$	5038507.27	$	15516601.89	$	6257698.45	$	26812807.61
22	$	0.00	$	0.00	$	0.00	$	5542357.99	$	0.00	$	6883468.29	$	12425826.28
23	$	0.00	$	0.00	$	0.00	$	6096593.79	$	0.00	$	7571815.12	$	13668408.91
24	$	0.00	$	0.00	$	0.00	$	6706253.17	$	0.00	$	8328996.63	$	15035249.80
25	$	0.00	$	0.00	$	0.00	$	7376878.49	$	0.00	$	9161896.29	$	16538774.78
26	$	0.00	$	0.00	$	0.00	$	8114566.34	$	24989642.51	$	10078085.92	$	43182294.78
TOTAL	$	254867597.23	$	19775325.06	$	1070979.49	$	75992265.34	$	56123155.12	$	94380469.35	$	482229791.59

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 482229791.59

UNIFORM ANNUAL COST ($)= 17860362.65

PROJECT EAST COAST RPR
MAJOR ALTERNATE PORTSMOUTH NH SITE-- STEEL TANK 10 MMB
MINOR ALTERNATE NO.6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST SALVAGE		INIT FILL		O-M ACCEPT TEST		O-M STANDBY		O-M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	388876.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	388876.00
2	$	10068240.60	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	10068240.60
3	$	44402916.25	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	44402916.25
4	$	48843207.87	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	48843207.87
5	$	53727528.66	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	53727528.66
6	$	59100281.53	$	20035230.77	$	1070979.49	$	0.00	$	0.00	$	0.00	$	80206491.79
7	$	0.00	$	0.00	$	0.00	$	1377982.15	$	0.00	$	1726308.25	$	3104290.40
8	$	0.00	$	0.00	$	0.00	$	1515780.37	$	0.00	$	1898959.07	$	3414719.44
9	$	0.00	$	0.00	$	0.00	$	1667358.40	$	0.00	$	2088832.98	$	3756191.38
10	$	0.00	$	0.00	$	0.00	$	1834094.24	$	0.00	$	2297716.28	$	4131810.52
11	$	0.00	$	0.00	$	0.00	$	2017503.67	$	11487117.33	$	2527487.90	$	16032108.90
12	$	0.00	$	0.00	$	0.00	$	2219254.03	$	0.00	$	2780236.69	$	4999490.73
13	$	0.00	$	0.00	$	0.00	$	2441179.44	$	0.00	$	3058260.36	$	5499439.80
14	$	0.00	$	0.00	$	0.00	$	2685297.38	$	0.00	$	3364086.40	$	6049383.78
15	$	0.00	$	0.00	$	0.00	$	2953827.12	$	0.00	$	3700495.04	$	6654322.16
16	$	0.00	$	0.00	$	0.00	$	3249209.83	$	18500117.32	$	4070544.54	$	25819871.70
17	$	0.00	$	0.00	$	0.00	$	3574130.81	$	0.00	$	4477599.00	$	8051729.81
18	$	0.00	$	0.00	$	0.00	$	3931543.89	$	0.00	$	4925358.90	$	8856902.79
19	$	0.00	$	0.00	$	0.00	$	4324698.28	$	0.00	$	5417894.79	$	9742593.07
20	$	0.00	$	0.00	$	0.00	$	4757168.11	$	0.00	$	5959684.26	$	10716852.38
21	$	0.00	$	0.00	$	0.00	$	5232884.92	$	29794623.95	$	6555652.69	$	41583161.57
22	$	0.00	$	0.00	$	0.00	$	5756173.42	$	0.00	$	7211217.96	$	12967391.38
23	$	0.00	$	0.00	$	0.00	$	6331790.76	$	0.00	$	7932339.76	$	14264130.51
24	$	0.00	$	0.00	$	0.00	$	6964969.83	$	0.00	$	8725573.73	$	15690543.56
25	$	0.00	$	0.00	$	0.00	$	7661466.82	$	0.00	$	9598131.10	$	17259597.92
26	$	0.00	$	0.00	$	0.00	$	8427613.50	$	47984539.82	$	10557944.21	$	66970097.53
TOTAL	$	216531090.92	$	20035230.77	$	1070979.49	$	78923926.97	$	107766398.43	$	98874303.90	$	523201890.48

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 523201890.48

UNIFORM ANNUAL COST ($)= 19377847.80

PROJECT EAST COAST RPR
MAJOR ALTERNATE CANAVERAL FLA, SITE-STEEL TANKS 10MMB
MINOR ALTERNATE NO.6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR	INVEST-SALVAGE	INIT FILL	O-M ACCEPT TEST	O-M STANDBY	O-M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 665376.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 665376.00
2	$ 10127180.80	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 10127180.80
3	$ 44672806.75	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 44672806.75
4	$ 49139891.77	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 49139891.77
5	$ 54053880.94	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 54053880.94
6	$ 59459269.04	$ 20010198.62	$ 1355173.30	$ 0.00	$ 0.00	$ 0.00	$ 80824640.96
7	$ 0.00	$ 0.00	$ 0.00	$ 1671567.01	$ 0.00	$ 2772386.67	$ 4443953.68
8	$ 0.00	$ 0.00	$ 0.00	$ 1838723.71	$ 0.00	$ 3049625.34	$ 4888349.05
9	$ 0.00	$ 0.00	$ 0.00	$ 2022596.08	$ 0.00	$ 3354587.87	$ 5377163.96
10	$ 0.00	$ 0.00	$ 0.00	$ 2224855.69	$ 0.00	$ 3690046.66	$ 5914902.35
11	$ 0.00	$ 0.00	$ 0.00	$ 2447341.26	$ 11143939.26	$ 4059051.33	$ 17650331.85
12	$ 0.00	$ 0.00	$ 0.00	$ 2692075.39	$ 0.00	$ 4464956.46	$ 7157031.84
13	$ 0.00	$ 0.00	$ 0.00	$ 2961282.93	$ 0.00	$ 4911452.10	$ 7872735.03
14	$ 0.00	$ 0.00	$ 0.00	$ 3257411.22	$ 0.00	$ 5402597.31	$ 8660008.53
15	$ 0.00	$ 0.00	$ 0.00	$ 3583152.34	$ 0.00	$ 5942857.05	$ 9526009.39
16	$ 0.00	$ 0.00	$ 0.00	$ 3941467.57	$ 17947425.62	$ 6537142.75	$ 28426035.94
17	$ 0.00	$ 0.00	$ 0.00	$ 4335614.33	$ 0.00	$ 7190857.03	$ 11526471.36
18	$ 0.00	$ 0.00	$ 0.00	$ 4769175.76	$ 0.00	$ 7909942.73	$ 12679118.49
19	$ 0.00	$ 0.00	$ 0.00	$ 5246093.34	$ 0.00	$ 8700937.00	$ 13947030.34
20	$ 0.00	$ 0.00	$ 0.00	$ 5770702.67	$ 0.00	$ 9571030.70	$ 15341733.38
21	$ 0.00	$ 0.00	$ 0.00	$ 6347772.94	$ 28904508.43	$ 10528133.77	$ 45780415.15
22	$ 0.00	$ 0.00	$ 0.00	$ 6982550.24	$ 0.00	$ 11580947.15	$ 18563497.38
23	$ 0.00	$ 0.00	$ 0.00	$ 7680805.26	$ 0.00	$ 12739041.66	$ 20419847.12
24	$ 0.00	$ 0.00	$ 0.00	$ 8448885.79	$ 0.00	$ 14012946.05	$ 22461831.83
25	$ 0.00	$ 0.00	$ 0.00	$ 9293774.36	$ 0.00	$ 15414240.65	$ 24708015.02
26	$ 0.00	$ 0.00	$ 0.00	$ 10223151.80	$ 46550999.88	$ 16955664.72	$ 73729816.40
TOTAL	$ 218118405.30	$ 20010198.62	$ 1355173.30	$ 95738999.70	$ 104546873.20	$ 158788445.20	$ 598558095.32

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 598558095.32

UNIFORM ANNUAL COST ($)= 22168818.35

PROJECT EAST COAST RPR
MAJOR ALTERNATE CALVERTON NY SITE-CONCRETE TANKS 10MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST SALVAGE		INIT FILL		O-M ACCEPT TEST		O-M STANDBY		O-M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	1623776.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	1623776.00
2	$	11692434.60	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	11692434.60
3	$	51847138.75	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	51847138.75
4	$	57031852.62	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	57031852.62
5	$	62735037.89	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	62735037.89
6	$	69008541.68	$	19849125.07	$	1283273.69	$	0.00	$	0.00	$	0.00	$	90140940.44
7	$	0.00	$	0.00	$	0.00	$	1560316.52	$	0.00	$	3386172.32	$	4946488.85
8	$	0.00	$	0.00	$	0.00	$	1716348.18	$	0.00	$	3724789.56	$	5441137.73
9	$	0.00	$	0.00	$	0.00	$	1887982.99	$	0.00	$	4097268.51	$	5985251.51
10	$	0.00	$	0.00	$	0.00	$	2076781.29	$	0.00	$	4506995.36	$	6583776.66
11	$	0.00	$	0.00	$	0.00	$	2284459.42	$	6115051.32	$	4957694.90	$	13357205.64
12	$	0.00	$	0.00	$	0.00	$	2512905.36	$	0.00	$	5453464.39	$	7966369.75
13	$	0.00	$	0.00	$	0.00	$	2764195.90	$	0.00	$	5998810.83	$	8763006.73
14	$	0.00	$	0.00	$	0.00	$	3040615.49	$	0.00	$	6598691.91	$	9639307.40
15	$	0.00	$	0.00	$	0.00	$	3344677.04	$	0.00	$	7258561.10	$	10603238.14
16	$	0.00	$	0.00	$	0.00	$	3679144.74	$	9848351.30	$	7984417.21	$	21511913.26
17	$	0.00	$	0.00	$	0.00	$	4047059.22	$	0.00	$	8782858.94	$	12829918.15
18	$	0.00	$	0.00	$	0.00	$	4451765.14	$	0.00	$	9661144.83	$	14112909.97
19	$	0.00	$	0.00	$	0.00	$	4896941.65	$	0.00	$	10627259.31	$	15524200.97
20	$	0.00	$	0.00	$	0.00	$	5386635.82	$	0.00	$	11689985.24	$	17076621.06
21	$	0.00	$	0.00	$	0.00	$	5925299.40	$	15860868.25	$	12858983.77	$	34645151.42
22	$	0.00	$	0.00	$	0.00	$	6517829.34	$	0.00	$	14144882.14	$	20662711.49
23	$	0.00	$	0.00	$	0.00	$	7169612.27	$	0.00	$	15559370.36	$	22728982.63
24	$	0.00	$	0.00	$	0.00	$	7886573.50	$	0.00	$	17115307.40	$	25001880.90
25	$	0.00	$	0.00	$	0.00	$	8675230.85	$	0.00	$	18826838.13	$	27502068.99
26	$	0.00	$	0.00	$	0.00	$	9542793.94	$	25544066.92	$	20709521.95	$	55796382.81
TOTAL	$	253938781.54	$	19849125.07	$	1283273.69	$	89367128.08	$	57368337.79	$	193943018.19	$	615749684.35

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 615749684.35

UNIFORM ANNUAL COST ($)= 22805543.86

AD-A144 650 EAST COAST REGIONAL PETROLEUM RESERVE (RPR) VOLUME 2 POTENTIAL STORAGE SI..(U) ARMY ENGINEER DIV HUNTSVILLE AL R E SHANNON ET AL. 30 SEP 80 HNDTR-80-45-SP-VOL-2 3/3

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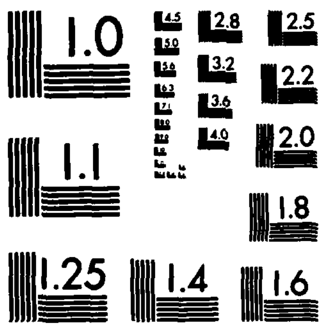

MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

PROJECT EAST COAST RPR
MAJOR ALTERNATE PORTSMOUTH VA,SITE-STEEL TANKS 10MMB
MINOR ALTERNATE NO.6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST-SALVAGE		INIT FILL		O-M ACCEPT TEST		O-M STANDBY		O-M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	343376.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	343376.00
2	$	14378405.80	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	14378405.80
3	$	64162881.75	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	64162881.75
4	$	70579169.92	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	70579169.92
5	$	77637086.92	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	77637086.92
6	$	85400795.61	$	20103819.17	$	1070979.49	$	1579277.38	$	0.00	$	0.00	$	108154871.65
7	$	0.00	$	0.00	$	0.00	$	1737205.12	$	0.00	$	1648281.61	$	3385486.73
8	$	0.00	$	0.00	$	0.00	$	1910925.63	$	0.00	$	1813109.77	$	3724035.40
9	$	0.00	$	0.00	$	0.00	$	2102018.19	$	0.00	$	1994420.75	$	4096438.94
10	$	0.00	$	0.00	$	0.00	$	2312220.01	$	0.00	$	2193862.83	$	4506082.84
11	$	0.00	$	0.00	$	0.00	$	2543442.01	$	11539946.67	$	2413249.11	$	16496637.79
12	$	0.00	$	0.00	$	0.00	$	2797786.21	$	0.00	$	2654574.02	$	5452360.23
13	$	0.00	$	0.00	$	0.00	$	3077564.84	$	0.00	$	2920031.42	$	5997596.26
14	$	0.00	$	0.00	$	0.00	$	3385321.32	$	0.00	$	3212034.57	$	6597355.88
15	$	0.00	$	0.00	$	0.00	$	3723853.45	$	0.00	$	3533238.02	$	7257091.47
16	$	0.00	$	0.00	$	0.00	$	4096238.80	$	18585199.52	$	3886561.82	$	26568000.14
17	$	0.00	$	0.00	$	0.00	$	4505862.68	$	0.00	$	4275218.01	$	8781080.68
18	$	0.00	$	0.00	$	0.00	$	4956448.94	$	0.00	$	4702739.81	$	9659188.75
19	$	0.00	$	0.00	$	0.00	$	5452093.84	$	0.00	$	5173013.79	$	10625107.62
20	$	0.00	$	0.00	$	0.00	$	5997303.22	$	0.00	$	5690315.17	$	11687618.39
21	$	0.00	$	0.00	$	0.00	$	6597033.54	$	29931649.67	$	6259346.68	$	42788029.90
22	$	0.00	$	0.00	$	0.00	$	7256736.90	$	0.00	$	6885281.35	$	14142018.25
23	$	0.00	$	0.00	$	0.00	$	7982410.59	$	0.00	$	7573809.49	$	15556220.07
24	$	0.00	$	0.00	$	0.00	$	8780651.65	$	0.00	$	8331190.43	$	17111842.08
25	$	0.00	$	0.00	$	0.00	$	9658716.81	$	0.00	$	9164309.48	$	18823026.29
26	$	0.00	$	0.00	$	0.00	$	10624588.49	$	48205221.11	$	10080740.43	$	68910550.03
TOTAL	$	312501716.00	$	20103819.17	$	1070979.49	$	101077690.61	$	108262016.97	$	94405328.56	$	637421559.80

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 637421559.80

UNIFORM ANNUAL COST ($)= 23608205.92

PROJECT EAST COAST RPR
MAJOR ALTERNATE PORTSMOUTH VA. SITE=CONCRETE TANKS 10MMB
MINOR ALTERNATE NO.6 FUEL OIL

0.0

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST-SALVAGE		INIT FILL		O-M ACCEPT TEST		O-M STANDBY		O-M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	343376.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	343376.00
2	$	14985359.40	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	14985359.40
3	$	66939710.75	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	66939710.75
4	$	73633681.82	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	73633681.82
5	$	80997050.01	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	80997050.01
6	$	89036755.01	$	20103815.95	$	1070979.49	$	0.00	$	0.00	$	0.00	$	110271550.45
7	$	0.00	$	0.00	$	0.00	$	1571162.02	$	0.00	$	2933885.72	$	4505047.73
8	$	0.00	$	0.00	$	0.00	$	1728278.22	$	0.00	$	3227274.29	$	4955552.51
9	$	0.00	$	0.00	$	0.00	$	1901106.04	$	0.00	$	3550001.72	$	5451107.76
10	$	0.00	$	0.00	$	0.00	$	2091216.65	$	0.00	$	3905001.89	$	5996218.54
11	$	0.00	$	0.00	$	0.00	$	2300338.31	$	6291091.21	$	4295502.08	$	12886931.60
12	$	0.00	$	0.00	$	0.00	$	2530372.14	$	0.00	$	4725052.28	$	7255424.43
13	$	0.00	$	0.00	$	0.00	$	2783409.36	$	0.00	$	5197557.51	$	7980966.87
14	$	0.00	$	0.00	$	0.00	$	3061750.29	$	0.00	$	5717313.26	$	8779063.56
15	$	0.00	$	0.00	$	0.00	$	3367925.32	$	0.00	$	6289044.59	$	9656969.91
16	$	0.00	$	0.00	$	0.00	$	3704717.86	$	10131865.31	$	6917949.05	$	20754532.21
17	$	0.00	$	0.00	$	0.00	$	4075189.64	$	0.00	$	7609743.95	$	11684933.59
18	$	0.00	$	0.00	$	0.00	$	4482708.61	$	0.00	$	8370718.35	$	12853426.95
19	$	0.00	$	0.00	$	0.00	$	4930979.47	$	0.00	$	9207790.18	$	14138769.65
20	$	0.00	$	0.00	$	0.00	$	5424077.41	$	0.00	$	10128569.20	$	15552646.61
21	$	0.00	$	0.00	$	0.00	$	5966485.16	$	16317470.40	$	11141426.12	$	33425361.67
22	$	0.00	$	0.00	$	0.00	$	6563133.67	$	0.00	$	12255568.73	$	18818702.40
23	$	0.00	$	0.00	$	0.00	$	7219447.04	$	0.00	$	13481125.61	$	20700572.64
24	$	0.00	$	0.00	$	0.00	$	7941391.74	$	0.00	$	14829238.17	$	22770629.91
25	$	0.00	$	0.00	$	0.00	$	8735530.92	$	0.00	$	16312161.98	$	25047692.90
26	$	0.00	$	0.00	$	0.00	$	9609084.01	$	26279449.25	$	17943378.18	$	53831911.44
TOTAL	$	325995932.99	$	20103815.95	$	1070979.49	$	89988303.88	$	59019876.17	$	168038302.85	$	664217211.33

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 664217211.33

UNIFORM ANNUAL COST ($)= 24600637.46

PROJECT EAST COAST RPR
MAJOR ALTERNATE NORTHVILLE NY CONCRETE TANKS 20MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR	INVEST-SALVAGE	INIT FILL	O&M ACCEPT TEST	O&M STANDBY	O&M EMERGENCY	SPARE PARTS	ANNUAL COST
1	$ 5452376.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 5452376.00
2	$ 17825979.60	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 17825979.60
3	$ 79959220.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 79959220.00
4	$ 87955142.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 87955142.00
5	$ 96750656.20	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 96750656.20
6	$ 106125721.82	$ 39469981.28	$ 1070979.49	$ 0.00	$ 0.00	$ 0.00	$ 146966682.59
7	$ 0.00	$ 0.00	$ 0.00	$ 1392119.21	$ 0.00	$ 3385031.44	$ 4777150.65
8	$ 0.00	$ 0.00	$ 0.00	$ 1531331.13	$ 0.00	$ 3723534.58	$ 5254865.71
9	$ 0.00	$ 0.00	$ 0.00	$ 1684464.24	$ 0.00	$ 4095888.04	$ 5780352.28
10	$ 0.00	$ 0.00	$ 0.00	$ 1852910.66	$ 0.00	$ 4505476.85	$ 6358387.51
11	$ 0.00	$ 0.00	$ 0.00	$ 2038201.73	$ 11359689.35	$ 4956024.53	$ 18353915.61
12	$ 0.00	$ 0.00	$ 0.00	$ 2242021.90	$ 0.00	$ 5451626.98	$ 7693648.89
13	$ 0.00	$ 0.00	$ 0.00	$ 2466224.09	$ 0.00	$ 5996789.68	$ 8463013.78
14	$ 0.00	$ 0.00	$ 0.00	$ 2712846.50	$ 0.00	$ 6596468.65	$ 9309315.15
15	$ 0.00	$ 0.00	$ 0.00	$ 2984131.15	$ 0.00	$ 7256115.52	$ 10240246.67
16	$ 0.00	$ 0.00	$ 0.00	$ 3282544.27	$ 18294893.30	$ 7981727.07	$ 29559164.64
17	$ 0.00	$ 0.00	$ 0.00	$ 3610798.70	$ 0.00	$ 8779899.77	$ 12390698.47
18	$ 0.00	$ 0.00	$ 0.00	$ 3971878.57	$ 0.00	$ 9657889.75	$ 13629768.32
19	$ 0.00	$ 0.00	$ 0.00	$ 4369066.42	$ 0.00	$ 10623678.73	$ 14992745.15
20	$ 0.00	$ 0.00	$ 0.00	$ 4805973.07	$ 0.00	$ 11686046.60	$ 16492019.66
21	$ 0.00	$ 0.00	$ 0.00	$ 5286570.37	$ 29464108.61	$ 12854651.26	$ 47605330.24
22	$ 0.00	$ 0.00	$ 0.00	$ 5815227.41	$ 0.00	$ 14140116.38	$ 19955343.79
23	$ 0.00	$ 0.00	$ 0.00	$ 6396750.15	$ 0.00	$ 15554128.02	$ 21950878.17
24	$ 0.00	$ 0.00	$ 0.00	$ 7036425.17	$ 0.00	$ 17109540.82	$ 24145965.99
25	$ 0.00	$ 0.00	$ 0.00	$ 7740067.68	$ 0.00	$ 18820494.91	$ 26560562.59
26	$ 0.00	$ 0.00	$ 0.00	$ 8514074.45	$ 47452241.55	$ 20702544.40	$ 76668860.40
TOTAL	$ 394069095.62	$ 39469981.28	$ 1070979.49	$ 79733626.89	$ 106570932.81	$ 193877673.98	$ 815092290.07

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 815092290.07

UNIFORM ANNUAL COST ($)= 30168603.34

PROJECT EAST COAST RPR
MAJOR ALTERNATE WEST DEPTFORD TI NJ-STEEL TANKS 20MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST-SALVAGE		INIT FILL		O-M ACCEPT TEST		O-M STANDBY		O-R EMBARGO		SPARE PARTS		ANNUAL COST
1	$	7175376.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	7175376.00
2	$	18861652.70	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	18861652.70
3	$	84706053.63	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	84706053.63
4	$	93176658.99	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	93176658.99
5	$	102494324.89	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	102494324.89
6	$	112743757.38	$	38845137.22	$	1355173.30	$	0.00	$	0.00	$	0.00	$	152944067.91
7	$	0.00	$	0.00	$	0.00	$	1804740.57	$	0.00	$	2272432.67	$	4077173.24
8	$	0.00	$	0.00	$	0.00	$	1985214.62	$	0.00	$	2499675.94	$	4484890.56
9	$	0.00	$	0.00	$	0.00	$	2183736.08	$	0.00	$	2749643.55	$	4933379.62
10	$	0.00	$	0.00	$	0.00	$	2402109.69	$	0.00	$	3024607.88	$	5426717.58
11	$	0.00	$	0.00	$	0.00	$	2642320.66	$	19675147.27	$	3327068.67	$	25644536.61
12	$	0.00	$	0.00	$	0.00	$	2906552.73	$	0.00	$	3659775.54	$	6566328.27
13	$	0.00	$	0.00	$	0.00	$	3197208.00	$	0.00	$	4025753.09	$	7222961.10
14	$	0.00	$	0.00	$	0.00	$	3516928.80	$	0.00	$	4428328.40	$	7945257.20
15	$	0.00	$	0.00	$	0.00	$	3868621.68	$	0.00	$	4871161.24	$	8739782.92
16	$	0.00	$	0.00	$	0.00	$	4255483.85	$	31687021.44	$	5558277.37	$	41500782.65
17	$	0.00	$	0.00	$	0.00	$	4681032.24	$	0.00	$	5894105.10	$	10575137.34
18	$	0.00	$	0.00	$	0.00	$	5149135.46	$	0.00	$	6483515.61	$	11632651.07
19	$	0.00	$	0.00	$	0.00	$	5664049.00	$	0.00	$	7131867.18	$	12795916.18
20	$	0.00	$	0.00	$	0.00	$	6230453.91	$	0.00	$	7845053.89	$	14075507.80
21	$	0.00	$	0.00	$	0.00	$	6853499.30	$	51032264.89	$	8629559.28	$	66515323.47
22	$	0.00	$	0.00	$	0.00	$	7538849.23	$	0.00	$	9492515.21	$	17031364.44
23	$	0.00	$	0.00	$	0.00	$	8292734.15	$	0.00	$	10441766.73	$	18734500.88
24	$	0.00	$	0.00	$	0.00	$	9122007.56	$	0.00	$	11485943.41	$	20607950.97
25	$	0.00	$	0.00	$	0.00	$	10034208.32	$	0.00	$	12634537.75	$	22668746.06
26	$	0.00	$	0.00	$	0.00	$	11037629.15	$	82187972.93	$	13897991.52	$	107123593.60
TOTAL	$	419157823.60	$	38845137.22	$	1355173.30	$	103366515.00	$	184582406.54	$	130153580.02	$	877460635.68

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 877460635.68

UNIFORM ANNUAL COST ($)= 32494542.06

PROJECT EAST COAST RPR
MAJOR ALTERNATE WEST DEPTFORD TV NJ-STEEL TANKS 20MMH
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR	INVEST-SALVAGE	INIT FILL	O-M ACCEPT TEST	O-M STANDBY	O-M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 7345376.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 7345376.00
2	$ 18258207.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 18258207.00
3	$ 81940262.25	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 81940262.25
4	$ 90134288.47	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 90134288.47
5	$ 99147717.32	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 99147717.32
6	$ 109062489.05	$ 39118906.21	$ 1355173.30	$ 0.00	$ 0.00	$ 0.00	$ 149536568.57
7	$ 0.00	$ 0.00	$ 0.00	$ 1808526.39	$ 0.00	$ 2662119.40	$ 4470645.79
8	$ 0.00	$ 0.00	$ 0.00	$ 1989379.03	$ 0.00	$ 2928331.54	$ 4917710.57
9	$ 0.00	$ 0.00	$ 0.00	$ 2188316.93	$ 0.00	$ 3221164.47	$ 5409481.41
10	$ 0.00	$ 0.00	$ 0.00	$ 2407148.63	$ 0.00	$ 3543280.92	$ 5950429.55
11	$ 0.00	$ 0.00	$ 0.00	$ 2647863.49	$ 19995474.47	$ 3897609.01	$ 26540946.97
12	$ 0.00	$ 0.00	$ 0.00	$ 2912649.84	$ 0.00	$ 4287369.91	$ 7200019.75
13	$ 0.00	$ 0.00	$ 0.00	$ 3203914.82	$ 0.00	$ 4716106.91	$ 7920021.73
14	$ 0.00	$ 0.00	$ 0.00	$ 3524306.31	$ 0.00	$ 5187717.60	$ 8712023.90
15	$ 0.00	$ 0.00	$ 0.00	$ 3876736.94	$ 0.00	$ 5706489.36	$ 9583226.29
16	$ 0.00	$ 0.00	$ 0.00	$ 4264410.63	$ 32202911.59	$ 6277138.29	$ 42744460.51
17	$ 0.00	$ 0.00	$ 0.00	$ 4690851.69	$ 0.00	$ 6904852.12	$ 11595703.81
18	$ 0.00	$ 0.00	$ 0.00	$ 5159936.86	$ 0.00	$ 7595337.33	$ 12755274.20
19	$ 0.00	$ 0.00	$ 0.00	$ 5675930.55	$ 0.00	$ 8354871.07	$ 14030801.62
20	$ 0.00	$ 0.00	$ 0.00	$ 6243523.60	$ 0.00	$ 9190358.17	$ 15433881.78
21	$ 0.00	$ 0.00	$ 0.00	$ 6867875.96	$ 51863111.14	$ 10109393.99	$ 68840381.09
22	$ 0.00	$ 0.00	$ 0.00	$ 7554663.56	$ 0.00	$ 11120333.39	$ 18674996.95
23	$ 0.00	$ 0.00	$ 0.00	$ 8310129.92	$ 0.00	$ 12232366.73	$ 20542496.65
24	$ 0.00	$ 0.00	$ 0.00	$ 9141142.91	$ 0.00	$ 13455603.40	$ 22596746.31
25	$ 0.00	$ 0.00	$ 0.00	$ 10055257.20	$ 0.00	$ 14801163.74	$ 24856420.94
26	$ 0.00	$ 0.00	$ 0.00	$ 11060782.92	$ 83526059.12	$ 16281280.12	$ 110868122.15
TOTAL	$ 405888340.10	$ 39118906.21	$ 1355173.30	$ 103583348.18	$ 187587556.31	$ 152472887.29	$ 890006211.38

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 890006211.38

UNIFORM ANNUAL COST ($)= 32963193.01

PROJECT EAST COAST NPR
MAJOR ALTERNATE NORTHVILLE NY-STEEL TANKS 20MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR	INVEST-SALVAGE	INIT FILL	O-M ACCEPT TEST	O-M STANDBY	O-M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 5439376.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 5439376.00
2	$ 20004798.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 20004798.00
3	$ 89945471.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 89945471.00
4	$ 98940018.10	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 98940018.10
5	$ 108834019.91	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 108834019.91
6	$ 119717421.90	$ 39465987.22	$ 1070979.49	$ 0.00	$ 0.00	$ 0.00	$ 160254388.61
7	$ 0.00	$ 0.00	$ 0.00	$ 1494557.95	$ 0.00	$ 2537998.52	$ 4032556.47
8	$ 0.00	$ 0.00	$ 0.00	$ 1644013.75	$ 0.00	$ 2791798.37	$ 4435812.12
9	$ 0.00	$ 0.00	$ 0.00	$ 1808415.12	$ 0.00	$ 3070978.21	$ 4879393.33
10	$ 0.00	$ 0.00	$ 0.00	$ 1989256.63	$ 0.00	$ 3378076.03	$ 5367332.66
11	$ 0.00	$ 0.00	$ 0.00	$ 2188182.30	$ 19836921.58	$ 3715883.64	$ 25740987.52
12	$ 0.00	$ 0.00	$ 0.00	$ 2407000.52	$ 0.00	$ 4087472.00	$ 6494472.52
13	$ 0.00	$ 0.00	$ 0.00	$ 2647700.58	$ 0.00	$ 4496219.20	$ 7143919.78
14	$ 0.00	$ 0.00	$ 0.00	$ 2912470.64	$ 0.00	$ 4945841.12	$ 7858311.75
15	$ 0.00	$ 0.00	$ 0.00	$ 3203717.70	$ 0.00	$ 5440425.23	$ 8644142.93
16	$ 0.00	$ 0.00	$ 0.00	$ 3524089.47	$ 31947560.58	$ 5984467.75	$ 41456117.80
17	$ 0.00	$ 0.00	$ 0.00	$ 3876498.42	$ 0.00	$ 6582914.53	$ 10459412.94
18	$ 0.00	$ 0.00	$ 0.00	$ 4264148.26	$ 0.00	$ 7241205.98	$ 11505354.24
19	$ 0.00	$ 0.00	$ 0.00	$ 4690563.08	$ 0.00	$ 7965326.58	$ 12655889.66
20	$ 0.00	$ 0.00	$ 0.00	$ 5159619.39	$ 0.00	$ 8761859.24	$ 13921478.63
21	$ 0.00	$ 0.00	$ 0.00	$ 5675581.33	$ 51451865.79	$ 9638045.16	$ 66765492.28
22	$ 0.00	$ 0.00	$ 0.00	$ 6243139.46	$ 0.00	$ 10601849.68	$ 16844989.14
23	$ 0.00	$ 0.00	$ 0.00	$ 6867453.41	$ 0.00	$ 11662034.65	$ 18529488.06
24	$ 0.00	$ 0.00	$ 0.00	$ 7554198.75	$ 0.00	$ 12828238.11	$ 20382436.86
25	$ 0.00	$ 0.00	$ 0.00	$ 8309618.62	$ 0.00	$ 14111061.92	$ 22420680.55
26	$ 0.00	$ 0.00	$ 0.00	$ 9140580.49	$ 82863748.38	$ 15522168.11	$ 107526492.98
TOTAL	$ 442681104.91	$ 39465987.22	$ 1070979.49	$ 85600805.86	$ 186100092.34	$ 145363868.04	$ 900482833.85

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 900482833.85

UNIFORM ANNUAL COST ($)= 33351216.07

END-OF-FILE ENCOUNTERED, FILENAME = INPUT
ERROR NUMBER 0065 DETECTED BY IOPC= AT ADDRESS 000133
CALLED FROM LFC AT LINE 0210

PROJECT EAST COAST RPR
MAJOR ALTERNATE CALVERTON NY CONCRETE TANKS 20MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR	INVEST-SALVAGE	INIT FILL	O-M ACCEPT TEST	O-M STANDBY	O-M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 1623536.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 1623536.00
2	$ 19981988.40	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 19981988.40
3	$ 89840927.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 89840927.00
4	$ 98825019.70	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 98825019.70
5	$ 108707521.67	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 108707521.67
6	$ 119578273.84	$ 39075916.87	$ 1283273.69	$ 0.00	$ 0.00	$ 0.00	$ 159937464.40
7	$ 0.00	$ 0.00	$ 0.00	$ 1630915.00	$ 0.00	$ 4985098.25	$ 6616013.25
8	$ 0.00	$ 0.00	$ 0.00	$ 1794006.50	$ 0.00	$ 5483608.07	$ 7277614.57
9	$ 0.00	$ 0.00	$ 0.00	$ 1973407.15	$ 0.00	$ 6031968.88	$ 8005376.03
10	$ 0.00	$ 0.00	$ 0.00	$ 2170747.87	$ 0.00	$ 6635165.77	$ 8805913.63
11	$ 0.00	$ 0.00	$ 0.00	$ 2387822.65	$ 11912465.15	$ 7298682.35	$ 21598970.15
12	$ 0.00	$ 0.00	$ 0.00	$ 2626604.92	$ 0.00	$ 8028550.58	$ 10655155.50
13	$ 0.00	$ 0.00	$ 0.00	$ 2889265.41	$ 0.00	$ 8831405.64	$ 11720671.05
14	$ 0.00	$ 0.00	$ 0.00	$ 3178191.95	$ 0.00	$ 9714546.20	$ 12892738.15
15	$ 0.00	$ 0.00	$ 0.00	$ 3496011.15	$ 0.00	$ 10686000.82	$ 14182011.97
16	$ 0.00	$ 0.00	$ 0.00	$ 3845612.26	$ 19165144.25	$ 11754600.90	$ 34765357.42
17	$ 0.00	$ 0.00	$ 0.00	$ 4230173.49	$ 0.00	$ 12930060.99	$ 17160234.48
18	$ 0.00	$ 0.00	$ 0.00	$ 4653190.83	$ 0.00	$ 14223067.09	$ 18876257.93
19	$ 0.00	$ 0.00	$ 0.00	$ 5118509.92	$ 0.00	$ 15645373.80	$ 20763883.72
20	$ 0.00	$ 0.00	$ 0.00	$ 5630360.91	$ 0.00	$ 17209911.18	$ 22840272.09
21	$ 0.00	$ 0.00	$ 0.00	$ 6193397.00	$ 30897866.67	$ 18930902.30	$ 56022165.97
22	$ 0.00	$ 0.00	$ 0.00	$ 6812736.70	$ 0.00	$ 20823992.53	$ 27636729.23
23	$ 0.00	$ 0.00	$ 0.00	$ 7494010.37	$ 0.00	$ 22906391.79	$ 30400402.16
24	$ 0.00	$ 0.00	$ 0.00	$ 8243411.41	$ 0.00	$ 25197030.96	$ 33440442.37
25	$ 0.00	$ 0.00	$ 0.00	$ 9067752.55	$ 0.00	$ 27716734.06	$ 36784486.61
26	$ 0.00	$ 0.00	$ 0.00	$ 9974527.80	$ 49761323.25	$ 30488407.47	$ 90224258.52
TOTAL	$ 438557266.61	$ 39075916.87	$ 1283273.69	$ 93410655.84	$ 111756799.32	$ 285521499.65	$ 969605411.98

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 969605411.98

UNIFORM ANNUAL COST ($)= 35911311.55

PROJECT EAST COAST RPR
MAJOR ALTERNATE BROOKVILLE ME MINE 20MMB
MINOR ALTERNATE NO6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR		INVEST-SALVAGE		INIT FILL		O+M ACCEPT TEST		O+M STANDBY		O+M EMBARGO		SPARE PARTS		ANNUAL COST
1	$	6562876.00	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	6562876.00
2	$	23099188.20	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	23099188.20
3	$	104128092.75	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	104128092.75
4	$	114540902.02	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	114540902.02
5	$	125994992.23	$	0.00	$	0.00	$	0.00	$	0.00	$	0.00	$	125994992.23
6	$	138594491.45	$	39001276.17	$	1355173.30	$	0.00	$	0.00	$	0.00	$	178950940.92
7	$	0.00	$	0.00	$	0.00	$	1886322.72	$	0.00	$	2732283.84	$	4618606.57
8	$	0.00	$	0.00	$	0.00	$	2074954.99	$	0.00	$	3005512.23	$	5080467.22
9	$	0.00	$	0.00	$	0.00	$	2282450.49	$	0.00	$	3306063.45	$	5586513.95
10	$	0.00	$	0.00	$	0.00	$	2510695.54	$	0.00	$	3636669.80	$	6147365.34
11	$	0.00	$	0.00	$	0.00	$	2761765.10	$	27237742.91	$	4000336.78	$	33999844.79
12	$	0.00	$	0.00	$	0.00	$	3037941.61	$	0.00	$	4400370.46	$	7438312.06
13	$	0.00	$	0.00	$	0.00	$	3341735.77	$	0.00	$	4840407.50	$	8182143.27
14	$	0.00	$	0.00	$	0.00	$	3675909.34	$	0.00	$	5324448.25	$	9000357.59
15	$	0.00	$	0.00	$	0.00	$	4043500.28	$	0.00	$	5856893.08	$	9900393.35
16	$	0.00	$	0.00	$	0.00	$	4447850.31	$	43866657.34	$	6442582.38	$	54757090.03
17	$	0.00	$	0.00	$	0.00	$	4892635.34	$	0.00	$	7086840.62	$	11979475.96
18	$	0.00	$	0.00	$	0.00	$	5381898.87	$	0.00	$	7795524.68	$	13177423.55
19	$	0.00	$	0.00	$	0.00	$	5920088.76	$	0.00	$	8575077.15	$	14495165.91
20	$	0.00	$	0.00	$	0.00	$	6512097.63	$	0.00	$	9432584.87	$	15944642.50
21	$	0.00	$	0.00	$	0.00	$	7163307.40	$	70647690.32	$	10375843.35	$	88186841.07
22	$	0.00	$	0.00	$	0.00	$	7879638.14	$	0.00	$	11413427.69	$	19293065.83
23	$	0.00	$	0.00	$	0.00	$	8667601.95	$	0.00	$	12554770.46	$	21222372.41
24	$	0.00	$	0.00	$	0.00	$	9534362.14	$	0.00	$	13810247.50	$	23344609.65
25	$	0.00	$	0.00	$	0.00	$	10487798.36	$	0.00	$	15191272.26	$	25679070.61
26	$	0.00	$	0.00	$	0.00	$	11536578.19	$	113778811.73	$	16710399.48	$	142025789.40
TOTAL	$	512920542.65	$	39001276.17	$	1355173.30	$	108039132.92	$	255530902.30	$	156491555.84	$	1073338583.19

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 1073338583.19

UNIFORM ANNUAL COST ($)= 39753280.86

PROJECT EAST COAST RPR
MAJOR ALTERNATE PORTLAND ME, SITE=MINE 20MMB
MINOR ALTERNATE NO.6 FUEL OIL

INVESTMENT COST (MID PT OF CONSTRUCTION) = 0.00

YEAR	INVEST SALVAGE	INIT FILL	O-M ACCEPT TEST	O-M STANDBY	O-M EMBARGO	SPARE PARTS	ANNUAL COST
1	$ 5001375.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 5001375.00
2	$ 22891086.90	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 22891086.90
3	$ 103177726.08	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 103177726.08
4	$ 113495498.69	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 113495498.69
5	$ 124845048.56	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 124845048.56
6	$ 137329553.41	$ 39443670.38	$ 1487853.56	$ 0.00	$ 0.00	$ 0.00	$ 178261077.35
7	$ 0.00	$ 0.00	$ 0.00	$ 2413328.46	$ 0.00	$ 3257115.88	$ 5670444.34
8	$ 0.00	$ 0.00	$ 0.00	$ 2654661.31	$ 0.00	$ 3582827.47	$ 6237488.77
9	$ 0.00	$ 0.00	$ 0.00	$ 2920127.44	$ 0.00	$ 3941110.21	$ 6861237.65
10	$ 0.00	$ 0.00	$ 0.00	$ 3212140.18	$ 0.00	$ 4335221.23	$ 7547361.41
11	$ 0.00	$ 0.00	$ 0.00	$ 3533354.20	$ 27998995.95	$ 4768743.36	$ 36301093.51
12	$ 0.00	$ 0.00	$ 0.00	$ 3886689.62	$ 0.00	$ 5245617.69	$ 9132307.31
13	$ 0.00	$ 0.00	$ 0.00	$ 4275358.58	$ 0.00	$ 5770179.46	$ 10045538.04
14	$ 0.00	$ 0.00	$ 0.00	$ 4702894.44	$ 0.00	$ 6347197.41	$ 11050091.84
15	$ 0.00	$ 0.00	$ 0.00	$ 5173183.88	$ 0.00	$ 6981917.15	$ 12155101.03
16	$ 0.00	$ 0.00	$ 0.00	$ 5690502.27	$ 45092662.97	$ 7680108.86	$ 58463274.10
17	$ 0.00	$ 0.00	$ 0.00	$ 6259552.50	$ 0.00	$ 8448119.75	$ 14707672.24
18	$ 0.00	$ 0.00	$ 0.00	$ 6885507.74	$ 0.00	$ 9292931.72	$ 16178439.47
19	$ 0.00	$ 0.00	$ 0.00	$ 7574058.52	$ 0.00	$ 10222224.90	$ 17796283.42
20	$ 0.00	$ 0.00	$ 0.00	$ 8331464.37	$ 0.00	$ 11244447.39	$ 19575911.76
21	$ 0.00	$ 0.00	$ 0.00	$ 9164610.81	$ 72622184.64	$ 12368892.12	$ 94155687.57
22	$ 0.00	$ 0.[illegible]	$ 0.00	$ 10081071.89	$ 0.00	$ 13605781.34	$ 23686853.23
23	$ 0.00	$ 0.00	$ 0.00	$ 11089179.08	$ 0.00	$ 14966359.47	$ 26055538.55
24	$ 0.00	$ 0.00	$ 0.00	$ 12198096.99	$ 0.00	$ 16462995.42	$ 28661092.40
25	$ 0.00	$ 0.00	$ 0.00	$ 13417906.68	$ 0.00	$ 18109294.96	$ 31527201.64
26	$ 0.00	$ 0.00	$ 0.00	$ 14759697.35	$ 116958754.59	$ 19920224.46	$ 151638676.39
TOTAL	$ 506740288.64	$ 39443670.38	$ 1487853.56	$ 138223386.29	$ 262672598.15	$ 186551310.23	$ 1135119107.25

NOTE: ANNUAL COSTS DISCOUNTED TO MID PT CONST.

TOTAL LCC (INVEST COST + TOTAL ANN COST) = 1135119107.25

UNIFORM ANNUAL COST ($)= 42041448.42

END

FILMED

DTIC