SAFETY ON THIS JOB
DEPENDS ON YOU

CANAVERAL HARBOR, FLORIDA

PLANS
FOR
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS

DEPARTMENT OF THE ARMY

JACKSONVILLE DISTRICT, CORPS OF ENGINEERS

JACKSONVILLE, FLORIDA

2003

TO ACCOMPANY INVITATION
INV. NO. W912EP-04-R-0017

VE "INCREASE PROFIT -- SUBMIT VECP'S"

D. O. FILE NO. 90C-38,319

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US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

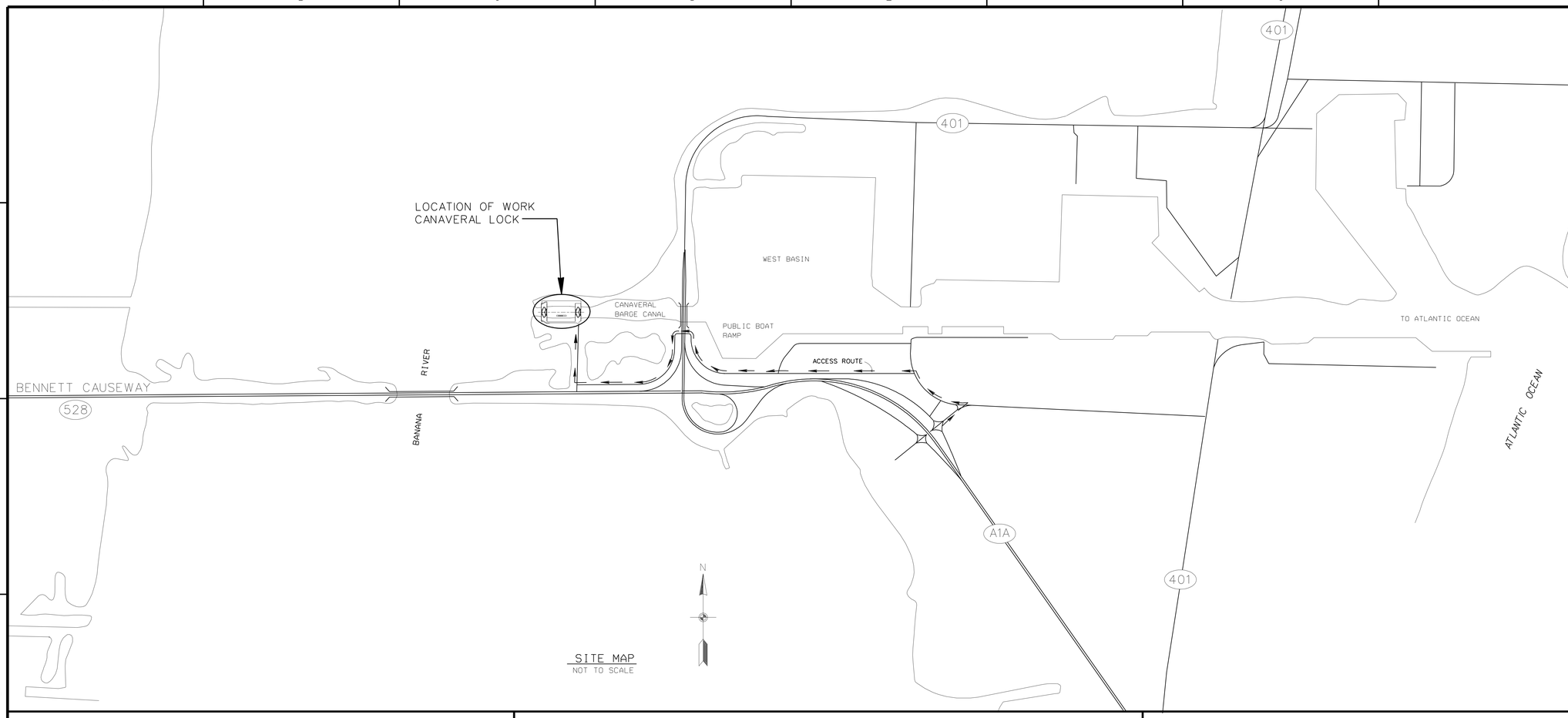
Inv. No. DACW17-02-R-0014
Scale: AS SHOWN
Designed by: W.W.
Drawn by: M.R.
Ckd by: M.W.
Dated MAR 2003
D.O.FILE NO. 90C-38.319

File name: CANLKRPXXXX0101.DGN
Reference files: CANLKRPXXXXBRDR.DGN

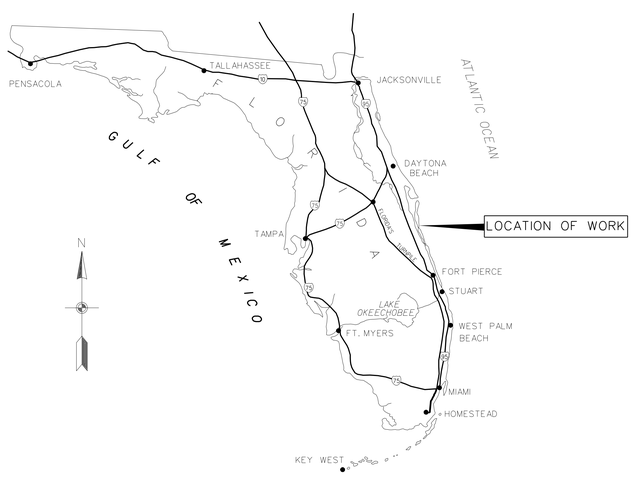
CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS

GENERAL
INDEX

DRAWING NO.
1/1



SITE MAP
NOT TO SCALE



VICINITY MAP
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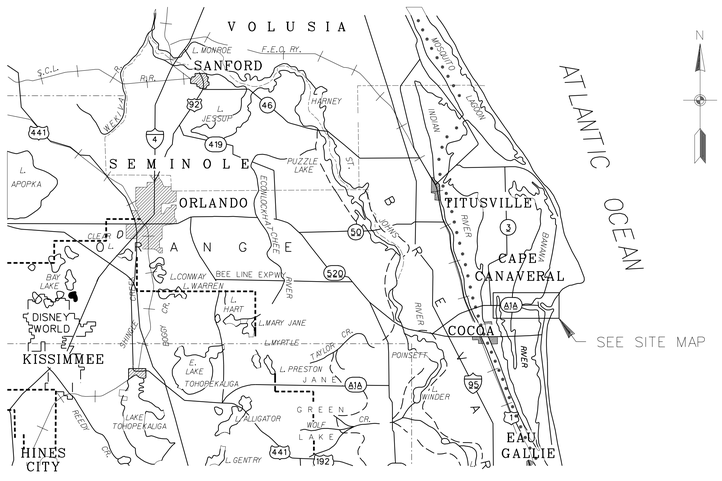


LOCATION MAP
NOT TO SCALE

GENERAL NOTES:

1. THE TERM "PAINT" AS USED IN THESE DRAWINGS INCLUDES THE CLEANING AND PREPARATION OF SURFACES TO BE PAINTED.

2. THE TERM "REPLACE" AS USED IN THESE DRAWINGS INCLUDES THE REMOVAL AND DISPOSAL OF THE EXISTING PART AND THE FURNISHING AND INSTALLATION OF THE NEW PART IN ACCORDANCE WITH THE AS-BUILT DRAWINGS, KEY NOTES, AND SPECIFICATIONS.

3. AS-BUILT DRAWINGS SHOWN 75% OF ORIGINAL SIZE ARE FOR REFERENCE ONLY. KEY NOTES, GENERAL NOTES AND NEW DETAILS APPLY TO THIS CONTRACT.

"THIS PROJECT WAS DESIGNED BY THE JACKSONVILLE DISTRICT OF THE U.S. ARMY CORPS OF ENGINEERS. THE INITIALS OR SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE PROJECT DOCUMENTS WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER 1110-1-8152."

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

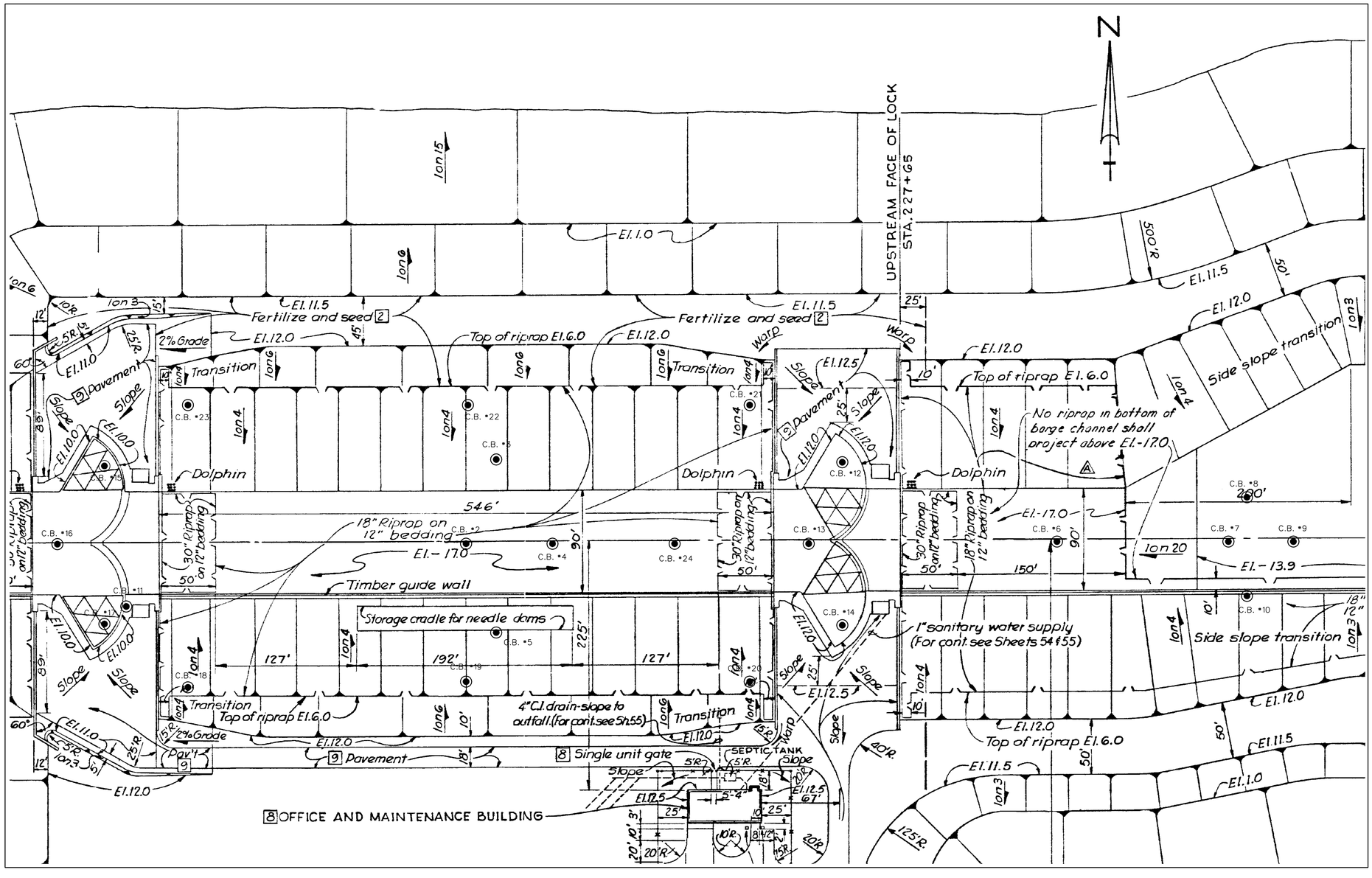
Designed by: M.R.
Drawn by: M.R.
Chk by: M.W.
Inv. No.
Scale: AS SHOWN
Dated: MAR 2003
File name: PDNJE01XXXX03.DGN
Reference files: DNLRPXXXXXBR.DGN

D.O. FILE NO. 90C-38,319

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
GENERAL
VACINITY, LOCATION AND SITE MAPS

DRAWING NO.
1/2

.../dms01903/canlkrpxxxx0102.dgn 05/03/2004 08:45:55 AM



GENERAL NOTE:

1. LOCATION OF BORINGS DEVELOPED FROM SHEETS 3 AND 10 OF ORIGINAL CONTRACT DRAWINGS.
2. C.B. #11, 25, 26, 27 NOT SHOWN

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: M.R.
Drawn by: M.R.
Ckd by: M.W.
Inv. No.
Scale: AS SHOWN
Dated MAR 2003
D.O. FILE NO. 90C-38,319

File name: CANLKRPXXXX0103.DGN
Reference files: CANLKRPXXXXBRDR.DGN 90-74EDITED0.TIF

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
GENERAL
CORE BORING LOCATIONS

DRAWING NO.
1/3

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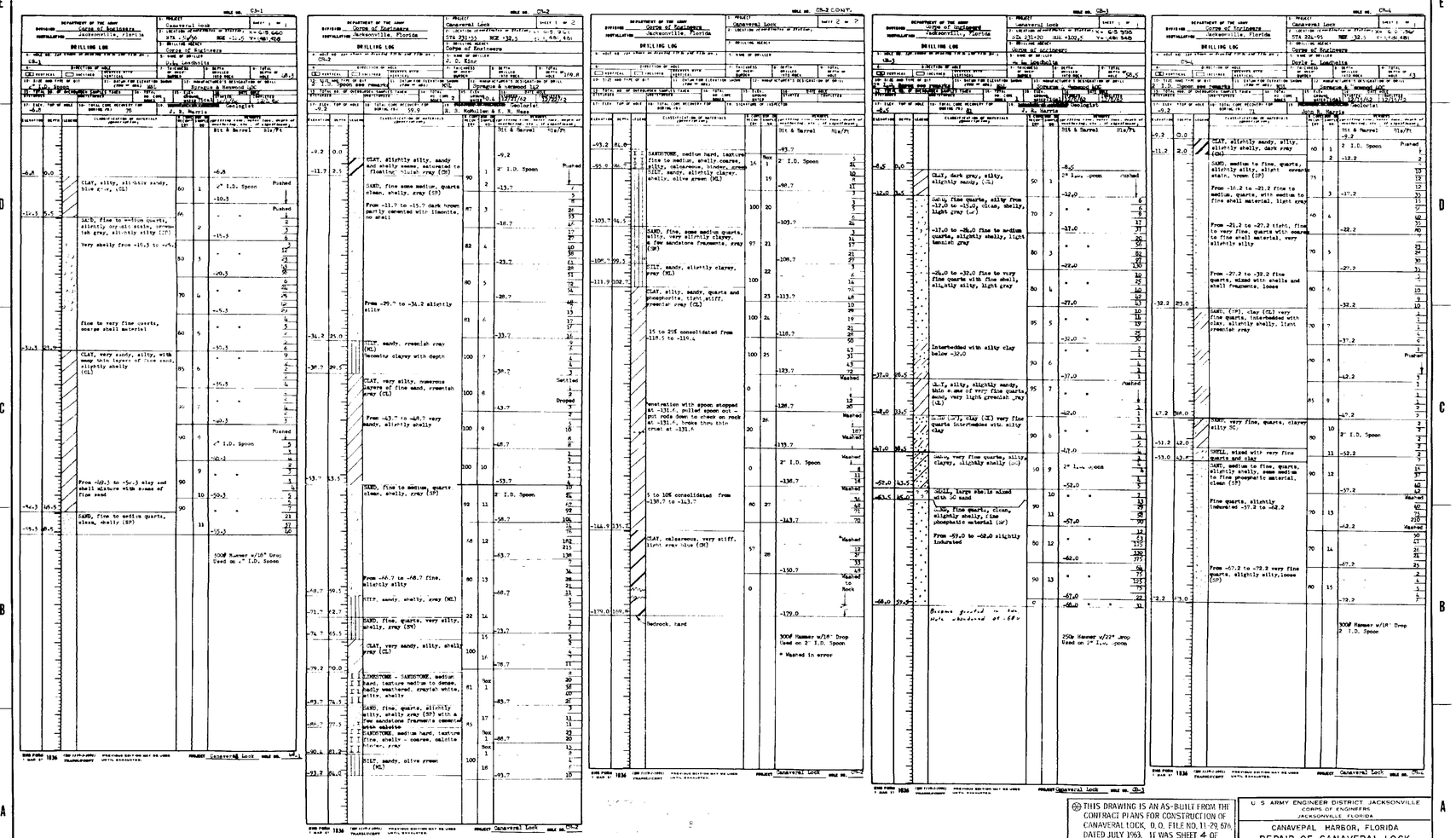

REVISIONS

NO.	SYM.	ZONE	DESCRIPTION	DATE	APPROVED

GENERAL NOTE:

1. FOR LOCATION OF CORE BORINGS SEE DWG NO 1/3

THIS DRAWING IS AN AS-BUILT FROM THE CONTRACT PLANS FOR CONSTRUCTION OF CANAVERAL LOCK, D.O. FILE NO. 11-29, 676, DATED JULY 1963. IT WAS SHEET 4 OF ORIGINAL CONTRACT DRAWINGS.

U.S. ARMY ENGINEER DISTRICT, JACKSONVILLE
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CANAVERAL HARBOR, FLORIDA
REPAIR OF CANAVERAL LOCK
TIMBER GUIDE WALL SYSTEM
LOG OF BORINGS
CB-1, 2, 3 AND 4

DATED | F | SCALE: AS SHOWN | DATED SEP. 1978 | SHEET: 9

D.O. FILE NO. 11-32,879

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Approved | Description | No. | Symbol | Zone

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Inv. No. | Scale: AS SHOWN | Designed by: M.R. | Drawn by: M.R. | Cad by: M.W. | Dated: MAR 2003

D.O. FILE NO. 90C-38,319

File name: CANLKRPXXXX0104.DGN
Reference files: CANLKRPXXXXBORLOGN CLOCKBORING31.TIF

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
GENERAL
LOG OF BORINGS 1, 2, 3, 4

DRAWING NO.
1/4

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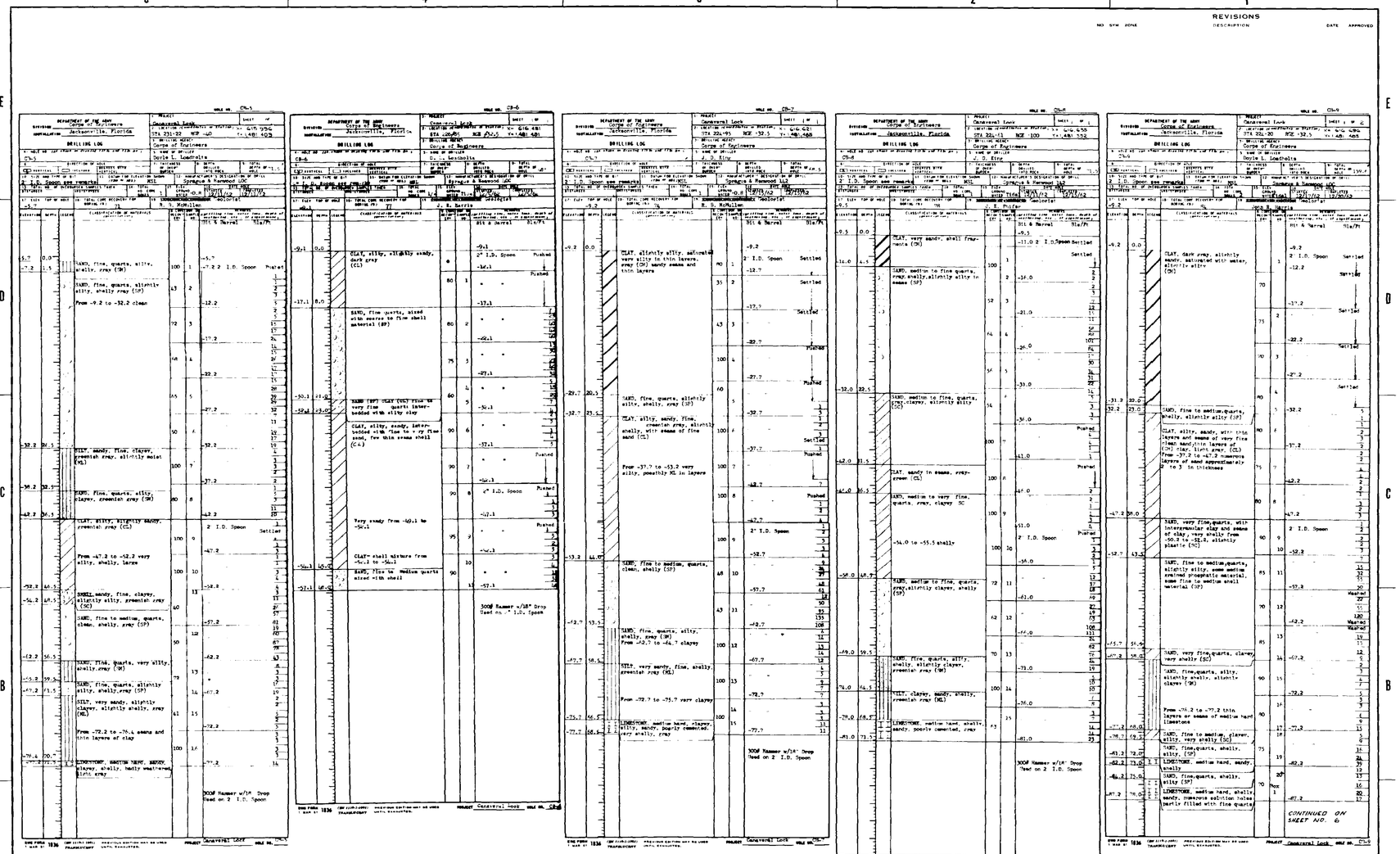

REVISIONS

NO	SYM	ZONE	DESCRIPTION	DATE	APPROVED

GENERAL NOTE:

1. FOR LOCATION OF CORE BORINGS SEE DWG NO 1/3.

THIS DRAWING IS AN AS-BUILT FROM THE CONTRACT PLANS FOR CONSTRUCTION OF CANAVERAL LOCK. D.O. FILE NO. 11-29 67A DATED JULY 1963. IT WAS SHEET 5 OF ORIGINAL CONTRACT DRAWINGS.

U.S. ARMY ENGINEER DISTRICT JACKSONVILLE
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CANAVERAL HARBOR, FLORIDA
REPAIR OF CANAVERAL LOCK
TIMBER GUIDE WALL SYSTEM
LOG OF BORINGS
CB-5, 6, 7, 8 AND 9

DATED: | SCALE AS SHOWN | DATED SEP 1978 | SHEET - 10

D.O. FILE NO. 11-32,879

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Rev. No. | Scale: AS SHOWN

Designed by: M.R. | Dwn by: M.R. | Ckd by: M.W.

Dated: MAR 2003

D.O. FILE NO. 90C-38,319

File name: CANLKRPXXXXX05.DGN
Reference files: CANLKRPXXXXXBORI.DGN CLOCKSWXXX3.TIF

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
GENERAL
LOG OF BORINGS 5, 6, 7, 8, 9

DRAWING NO.
1/5

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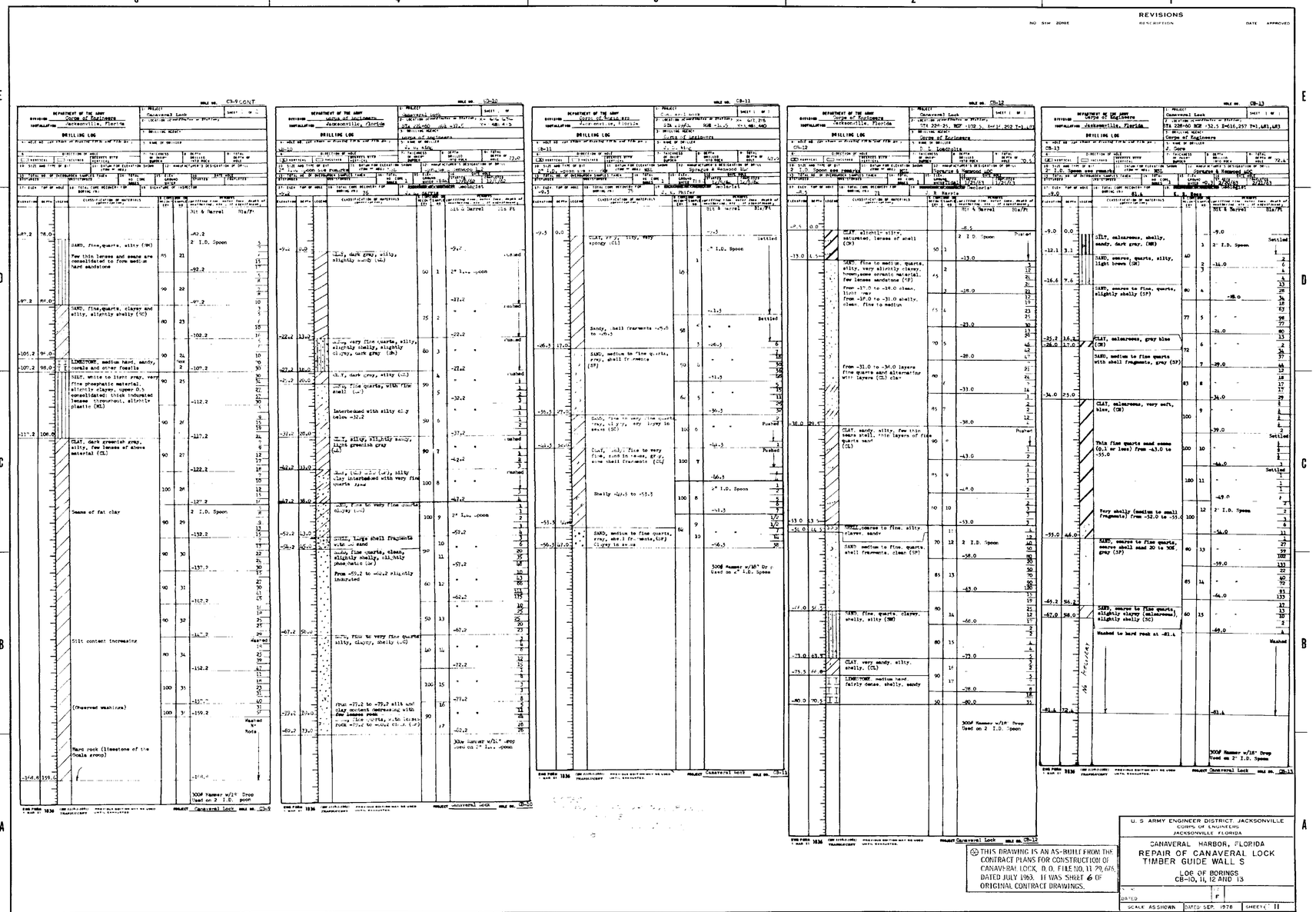

REVISIONS

NO	SYM	ZONE	DESCRIPTION	DATE	APPROVED

GENERAL NOTE:

1. FOR LOCATION OF CORE BORINGS SEE DWG NO 1/3.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Inv. No.
Scale: AS SHOWN
Designed by: M.R.
Dwn by: M.R.
Ckd by: M.K.
Dated: MAR 2003
D.O. FILE NO. 90C-38,319
File name: CBNLKRPXXXX0106.DGN
Reference files: CANLKRPXXXXBRDR.DGN CLOCKSWXXS3.TIF

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
GENERAL
LOG OF BORINGS 10, 11, 12, 13

DRAWING NO.
1/6

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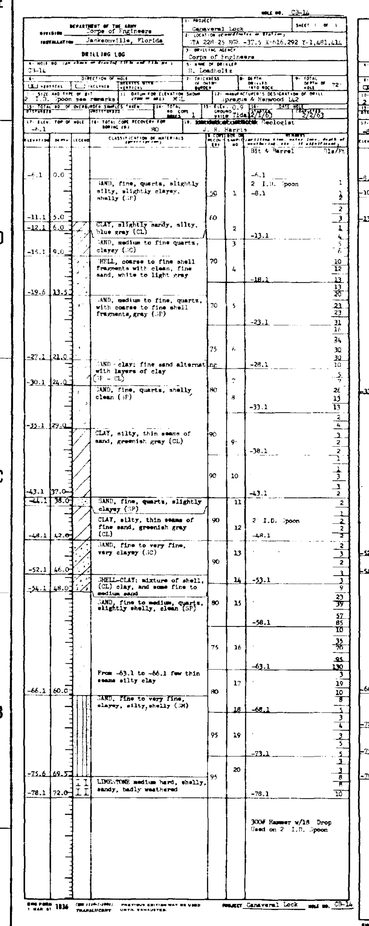
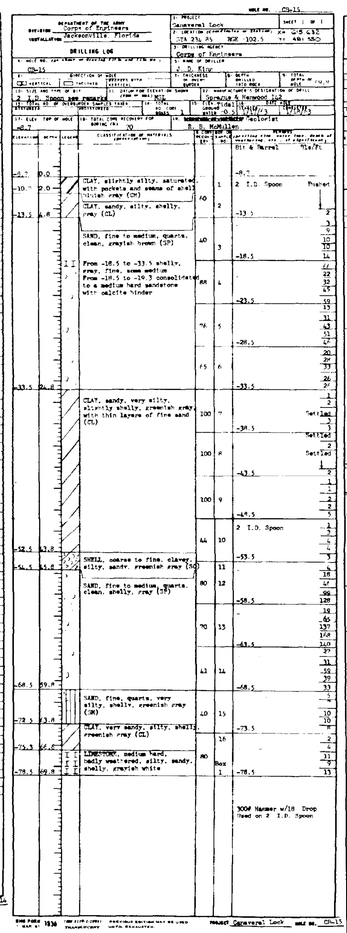
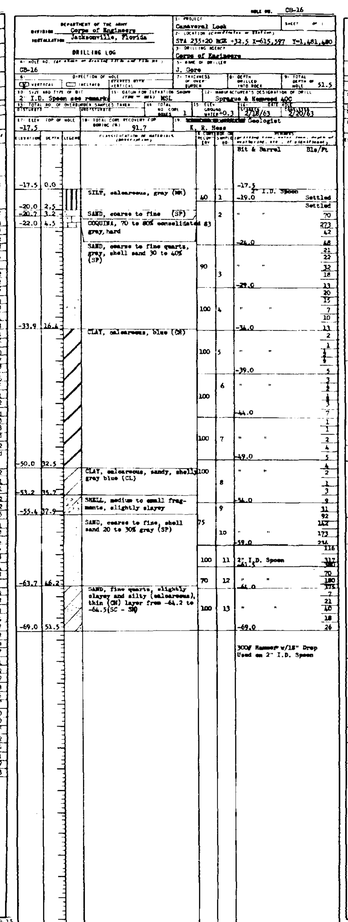
REVISIONS				
NO	SYM	ZONE	DESCRIPTION	DATE / APPROVED

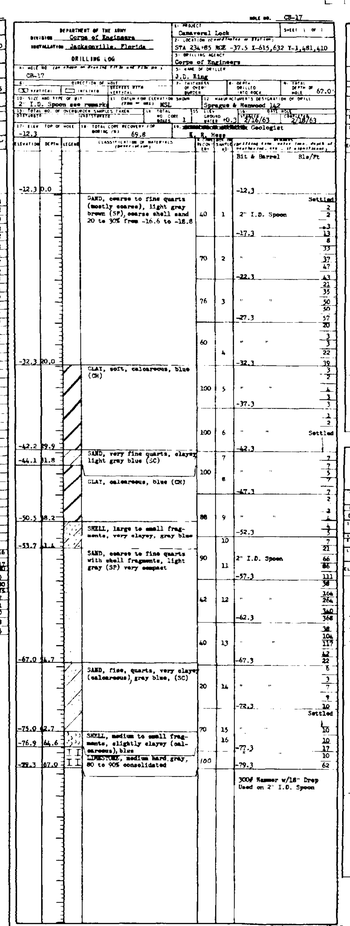
GENERAL NOTE:

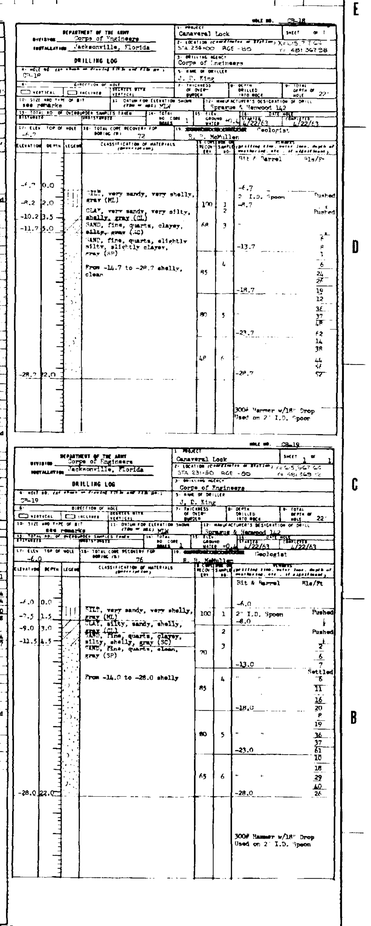
1. FOR LOCATION OF CORE BORINGS SEE DWG NO 1/3.











NOTES:

1. For location of Core Borings see sheet no 3.
2. For Core Boring legend see sheet no 8.

THIS DRAWING IS AN AS-BUILT FROM THE CONTRACT PLANS FOR CONSTRUCTION OF CANAVERAL LOCK, D.O. FILE NO. 11-29,676, DATED JULY 1963. IT WAS SHEET 7 OF ORIGINAL CONTRACT DRAWINGS.

U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CANAVERAL HARBOR, FLORIDA
REPAIR OF CANAVERAL LOCK
TIMBER GUIDE WALL SYSTEM
LOG OF BORINGS
CB-14, 15, 16, 17 AND 18

DATES	F	
SCALE AS SHOWN	DATED SEP. 1972	SHEETS 12

D.O. FILE NO. 11-32,879

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Rev. No. | Description | Approved

Designed by: M.R. | Drn by: M.R. | Ckd by: M.W. | Scale: AS SHOWN

Dated: MAR 2003

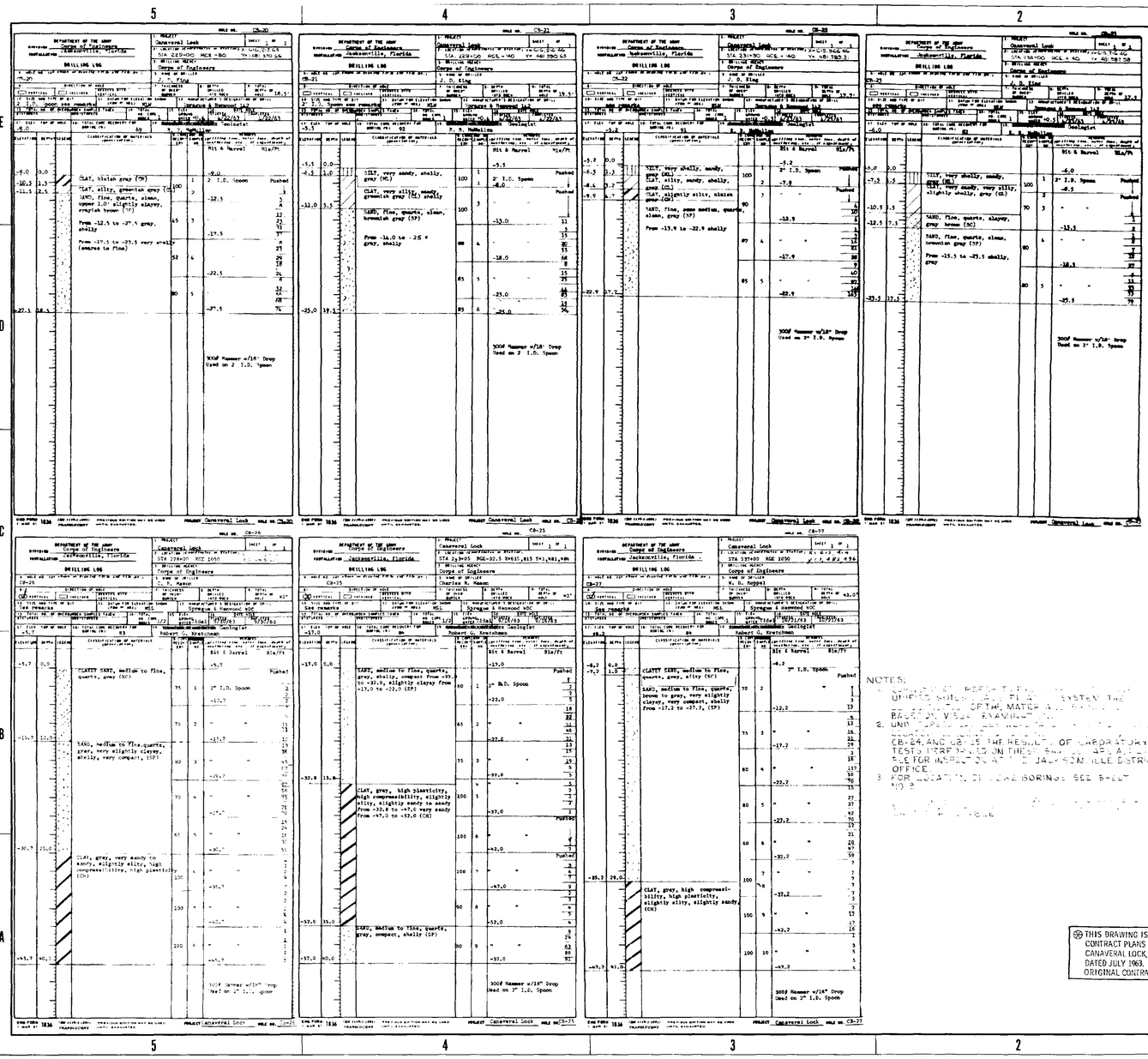
D.O. FILE NO. 90C-38,319

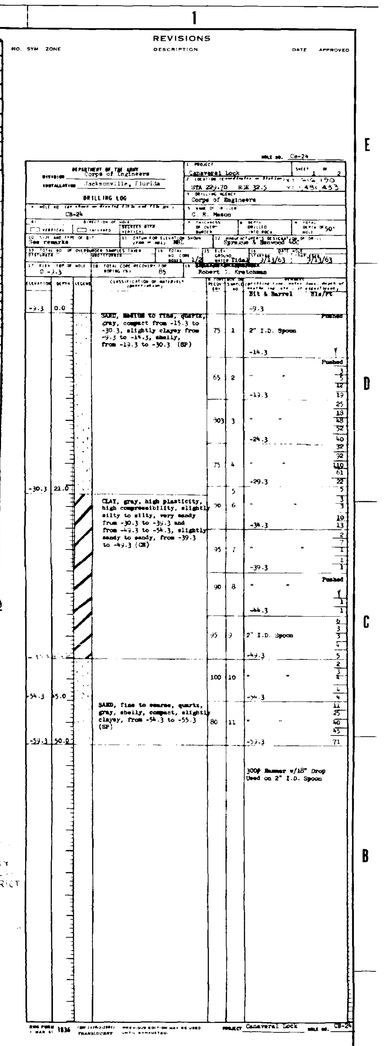
File name: DMS01903XXXX0107.DGN
Reference files: CANLKRPXXXXBORIDGN CCOVERSHEETX.TIF

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
GENERAL
LOG OF BORINGS 14, 15, 16, 17, 18

DRAWING NO.
1/7

.../dms01903/canlkrpxxxx0107.dgn 05/03/2004 08:48:09 AM





NOTES:

[illegible] UNIFIED SOIL [illegible] SYSTEM [illegible] BASED ON VISUAL EXAMINATION.

2. UNDISTURBED [illegible] CB-24, AND [illegible] THE RESULTS OF LABORATORY TESTS PERFORMED ON THESE SAMPLES ARE AVAILABLE FOR INSPECTION AT THE JACKSONVILLE DISTRICT OFFICE.

3. FOR LOCATION OF CORE BORINGS SEE SHEET NO. 2.

THIS DRAWING IS AN AS-BUILT FROM THE CONTRACT PLANS FOR CONSTRUCTION OF CANAVERAL LOCK, D.O. FILE NO. 11-29.676, DATED JULY 1963. IT WAS SHEET 8 OF ORIGINAL CONTRACT DRAWINGS.

U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CANAVERAL HARBOR, FLORIDA
REPAIR OF CANAVERAL LOCK
TIMBER GUIDE WALL SYSTEM
LOG OF BORINGS
CB-20, 21, 22, 23 AND 24

DATED: SCALE: AS SHOWN | DATED SEP. 1972 | SHEET 13

D.O. FILE NO. 11-32,879

REVISIONS

RO.	SYM	ZONE	DESCRIPTION	DATE	APPROVED

GENERAL NOTE:

1. FOR LOCATION OF CORE BORINGS SEE DWG NO. 1/3.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Inv. No.
Designed by: M.R.
Drawn by: M.R.
Cad by: M.W.
Scale: AS SHOWN
Dated: MAR 2003
File name: CANLKRPXXXX0108.DGN
Reference files: CANLKRPXXXX0BR.DGN CLOCKBORING3.TIF
D.O. FILE NO. 90C-38,319

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
GENERAL
LOG OF BORINGS 20, 21, 22, 23, 24

DRAWING NO.
1/8

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KEY NOTES

GATES

G1. REMOVE AND PAINT EACH SIDE SEAL BEAM, REPLACE HARDWARE. SEE DWG NO 4/4

G2. MODIFY EXISITING HANDRAILS. SEE DWG NO 4/6

G3. PAINT ALL FERROUS METAL SURFACES OF LOCK GATES SEE DWG NO 5/1, 5/2, 5/3, 5/4, 5/5, 5/6, 5/7, 5/8, 5/9, 5/12

G4. REPLACE BOTTOM SEALS AND HARDWARE FOR EACH GATE. SEE DWG NO 5/6

G5. REMOVE AND PAINT EACH GATE SEAL ANGLE, REPLACE HARDWARE. SEE DWG NO 5/6 AND 5/10

G6. REPLACE VERTICAL SEALS AND HARDWARE FOR EACH GATE. SEE DWG NO 5/10

G7. REMOVE AND PAINT EACH GATE SEAL BEAM, REPLACE HARDWARE. SEE DWG NO 5/10

G8. REMOVE AND REINSTALL EACH BUMPER, REPLACE HARDWARE. SEE DWG NO 5/12

G9. REMOVE TIMBER FENDERS. INSTALL MARINE FRP FENDERS WITH NEW HARDWARE, PAINT ALL SUPPORTS AND FENDERS. SEE DWG NO 5/13

G10. MODIFY EXISITING WALKWAY. SEE DWG NO 5/14 AND 5/16

G11. REMOVE AND DISPOSE OF ANY REMAINING HARDWARE AND SUPPORTS OF MANATEE PROTECTION SCREENS. INSTALL NEW MANATEE PROTECTION SCREENS, HARDWARE AND SUPPORTS SEE DWG NO 5/18 AND 5/19

G12. REPLACE ALL GATE LIMIT SWITCHES. SEE DWG NO 16/3

G13. UPGRADE CATHODIC PROTECTION SYSTEM. SEE DWG NO 16/1, AND 16/8

G14. INSTALL BONDING WIRE ON HANDRAILS AND REPLACE GATE GROUNDING CABLES. SEE DWG NO 16/1, AND 16/4

OFFICE/MAINTENANCE BLDG.

F3. INSTALL SURGE PROTECTION OF ELECTRICAL SERVICE. SEE DWG NO 16/1, AND 16/7

MECHANICAL

M1. REPAIR AND REHABILITE GATE OPERATING MACHINERY. SEE DWG NO 15/1, 15/2, AND 15/3

M2. REPLACE LIGHTING CIRCUIT AND LIGHTING FIXTURES IN MACHINERY PIT. SEE DWG 16/4

M3. NEW HYDRAULIC POWER UNIT.

SITE UTILITIES

U1. REMOVE EXISITNG 4" WATER LINE. SEE DWG NO 2/4

STRUCTURE

R1. SCRAPE OFF BARNACLES. SEE DWG NO 3/1 AND 3/2

R2. PAINT CAUTION MARKINGS AT LADDERS AND STAIRS. SEE DWG NO 3/2

R3. PAINT LADDERS AND WALL PROTECTION WITHIN DEWATERED GATE BAYS AND OUTSIDE DEWATERED GATE BAYS. SEE DWG NO 4/1

R4. REMOVE AND PAINT 4 COVER PLATES LADDER RECESSES. SEE DWG NO 4/3

R5. REMOVE AND PAINT 8 NEEDLE DAM COVER PLATES. SEE DWG NO 4/5

R6. PAINT 8 CHECK POSTS. SEE DWG NO 4/7

R7. SCRAPE OFF BARNACLES FROM DEPTH GAGE. SEE DWG NO 4/7

R8. REMOVE AND PAINT 4 MACHINERY PIT COVER PLATES AND 4 JUNCTION BOX COVER PLATES. SEE DWG NO 4/8.

R9. NEW PRECAST BUILDING SEE SHEET 6/7

SITE

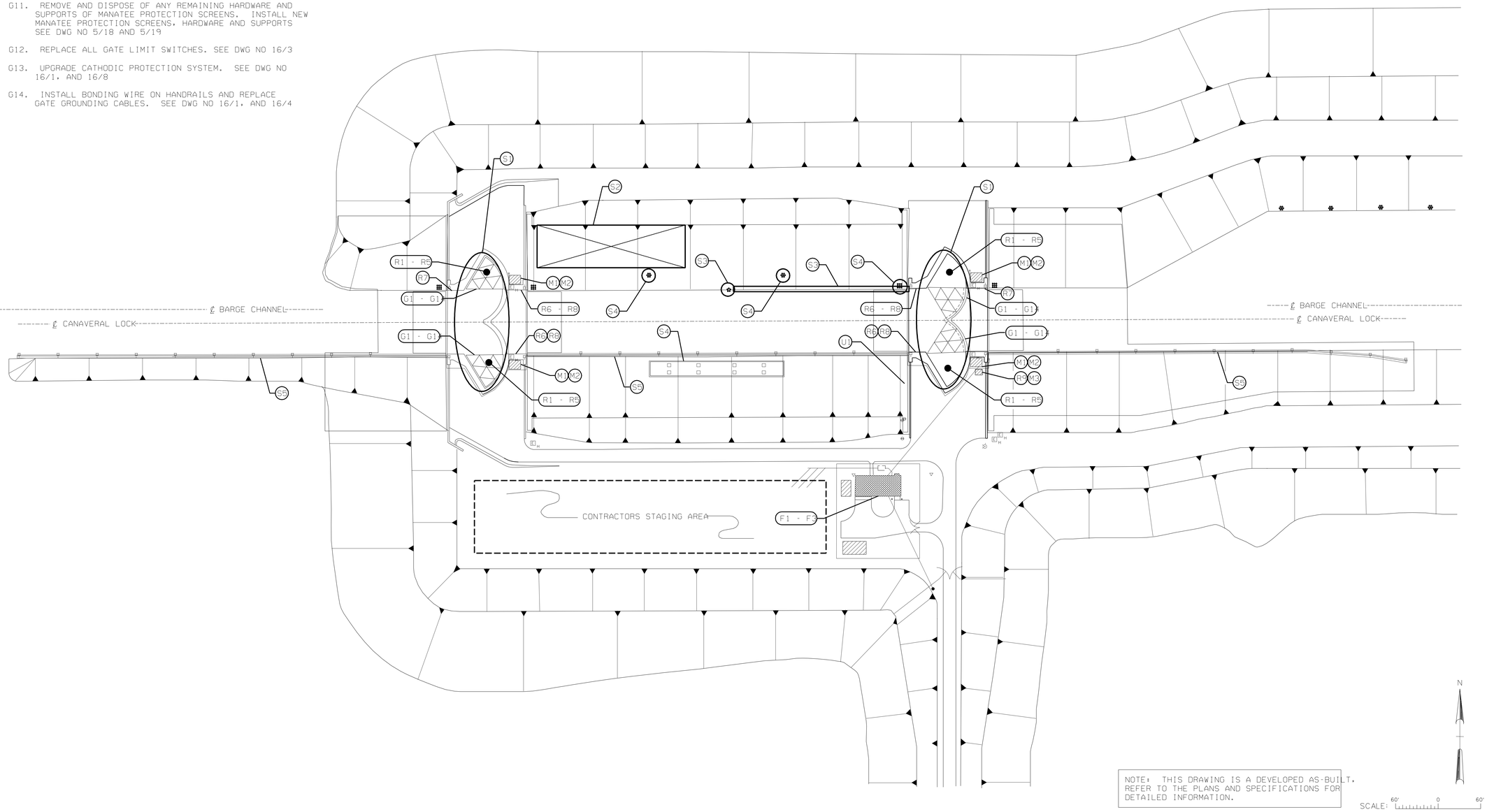
S1. PROVIDE CONTAINMENT SHELTER FOR PAINTING.

S2. NEW STORAGE AREA FOR DEWATERING TRUSSES. SEE DWG NO 2/3 AND 2/4

S3. NEW CHAMBER GUIDE WALL AND 5 -PILE DOLPHIN. SEE DWG NO 6/1

S4. REMOVE TWO 7-PILE DOLPHINS, ONE 9-PILE DOLPHIN AND DEWATERING TRUSS STORAGE CRADLE. SEE DWG NO 2/5

S5. REMOVE, PAINT, AND REINSTALL EACH CLEAT. SEE DWG NO 6/4 AND 6/5



NOTE: THIS DRAWING IS A DEVELOPED AS-BUILT. REFER TO THE PLANS AND SPECIFICATIONS FOR DETAILED INFORMATION.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

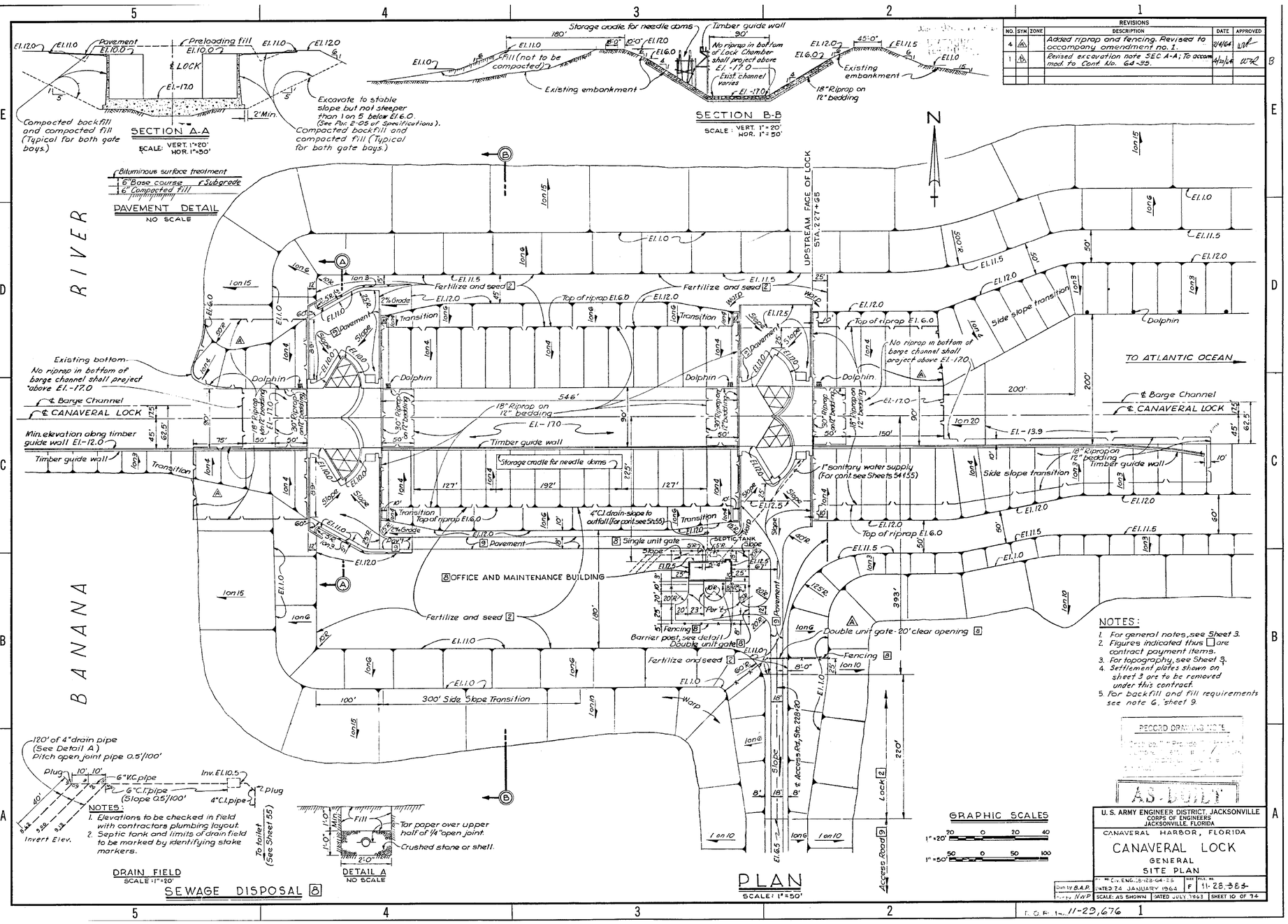
No.	Symbol	Zone	Description	Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Inv. No.
Scale:
Designed by: J.W.W.
Dwn by: B.J.S.
Ckd by:
File name: CANLKRPXXXX0103.dgn
Reference files: CANLKRPXXXXBRDR.DGN
Dated MAR 2003
D.O.FILE NO. 90C-38,319

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
GENERAL
WORK KEY PLAN

DRAWING NO.
1/9



GENERAL NOTE:

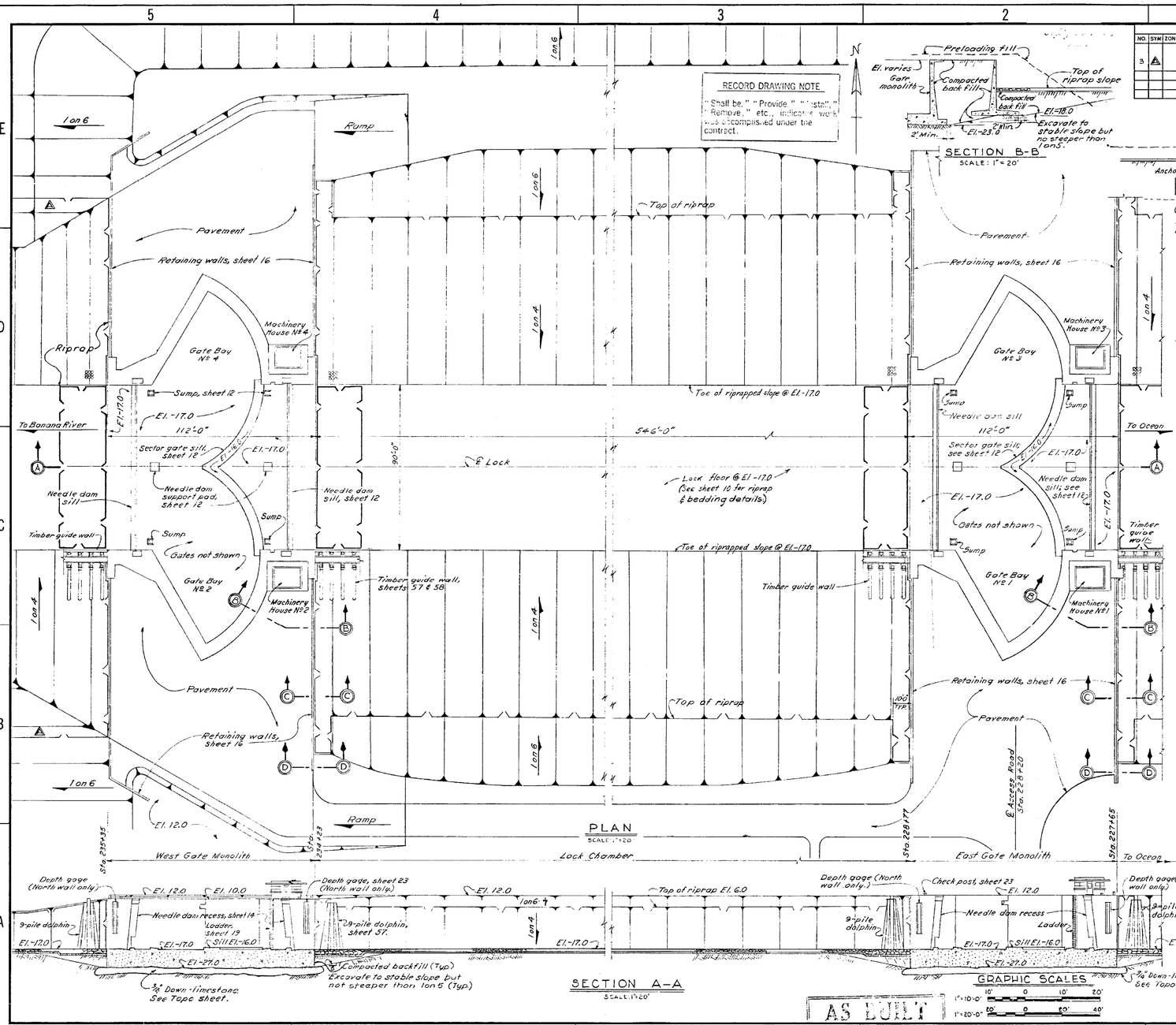
1. THIS DRAWING INDICATES ACCESS TO THE GATE MONOLITHS. MATERIALS AND EQUIPMENT REQUIRED FOR PAINTING AND OTHER WORK ARE EXPECTED TO BE PRIMARILY TRANSPORTED BY BARGE AND TUG.

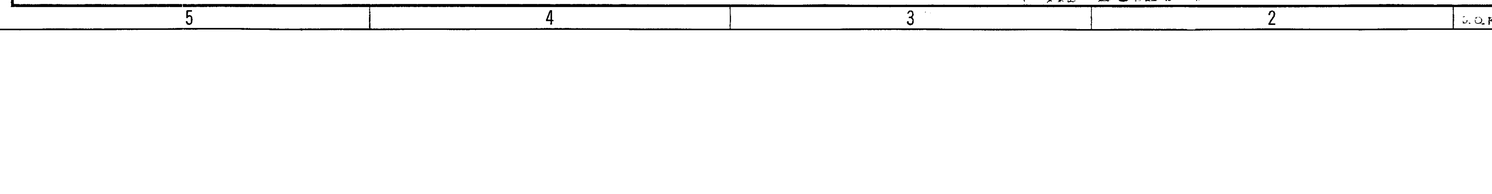
.../dms01903/canlkrpxxxx0201.dgn 05/03/2004 10:10:20 AM

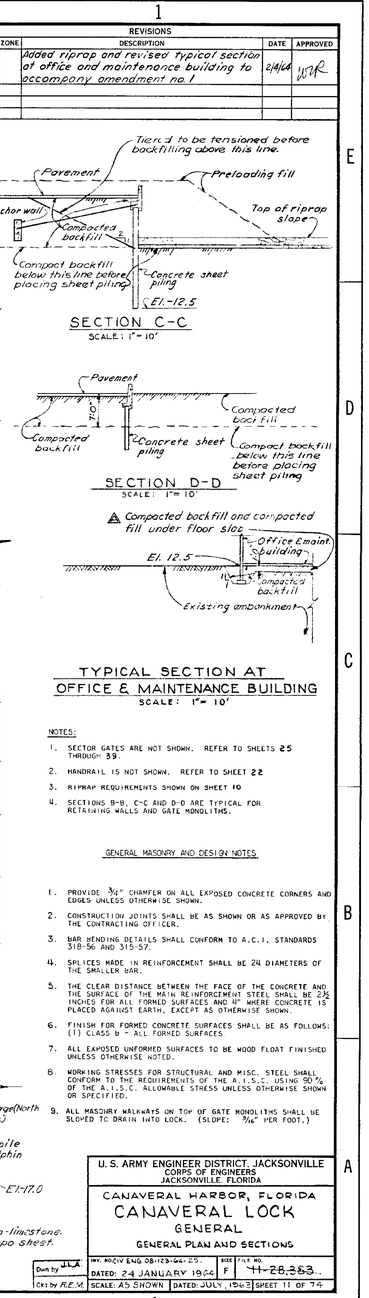
REVISIONS					
NO.	SYM	ZONE	DESCRIPTION	DATE	APPROVED
3	A		Added riprap and revised typical section at office and maintenance building to accompany amendment no. 1	2/4/04	WRR

RECORD DRAWING NOTE

"Shall be," "Provide," "Install," "Remove," etc., indicative work has accomplished under the contract.







NOTES:

1. SECTOR GATES ARE NOT SHOWN. REFER TO SHEETS 25 THROUGH 39.
2. HANDRAIL IS NOT SHOWN. REFER TO SHEET 22
3. RIPRAP REQUIREMENTS SHOWN ON SHEET 10
4. SECTIONS B-B, C-C AND D-D ARE TYPICAL FOR RETAINING WALLS AND GATE MONOLITHS.

GENERAL MASONRY AND DESIGN NOTES

1. PROVIDE 3/4" CHAMFER ON ALL EXPOSED CONCRETE CORNERS AND EDGES UNLESS OTHERWISE SHOWN.
2. CONSTRUCTION JOINTS SHALL BE AS SHOWN OR AS APPROVED BY THE CONTRACTING OFFICER.
3. BAR BENDING DETAILS SHALL CONFORM TO A.C.I. STANDARDS 318-56 AND 315-57.
4. SPLICES MADE IN REINFORCEMENT SHALL BE 24 DIAMETERS OF THE SMALLER BAR.
5. THE CLEAR DISTANCE BETWEEN THE FACE OF THE CONCRETE AND THE SURFACE OF THE MAIN REINFORCEMENT STEEL SHALL BE 2½ INCHES FOR ALL FORMED SURFACES AND 1½" WHERE CONCRETE IS PLACED AGAINST EARTH, EXCEPT AS OTHERWISE SHOWN.
6. FINISH FOR FORMED CONCRETE SURFACES SHALL BE AS FOLLOWS: (1) CLASS B - ALL FORMED SURFACES.
7. ALL EXPOSED UNFORMED SURFACES TO BE WOOD FLOAT FINISHED UNLESS OTHERWISE NOTED.
8. WORKING STRESSES FOR STRUCTURAL AND MISC. STEEL SHALL CONFORM TO THE REQUIREMENTS OF THE A.I.S.C. USING 90 % OF THE A.I.S.C. ALLOWABLE STRESS UNLESS OTHERWISE SHOWN OR SPECIFIED.
9. ALL MASONRY WALKWAYS ON TOP OF GATE MONOLITHS SHALL BE SLOPED TO DRAIN INTO LOCK. (SLOPE: 3/16" PER FOOT.)

GENERAL NOTE:

1. THIS DRAWING SHOWS THE LOCATION OF THE NEEDLE DAM RECESSES AND SUMPS.
2. NEW STORAGE AREA FOR DEWATERING TRUSSES, NEW CHAMBER WALL, AND SOME EXISTING FEATURES NOT SHOWN.

U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
GENERAL
GENERAL PLAN AND SECTIONS

INV. NO. CIV ENG 08-123-66-25. SIZE F FILE NO. ~~11-28,383~~
DATED: 24 JANUARY 1966
Dwn by J.L.A. Ckd by R.E.M.
SCALE: AS SHOWN DATED: JULY, 1963 SHEET 11 OF 74

U. S. Air Force 11-29,676

AS BUILT

GRAPHIC SCALES
1"=10'-0" 10' 0 10' 20'
1"=20'-0" 20' 0 20' 40'

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

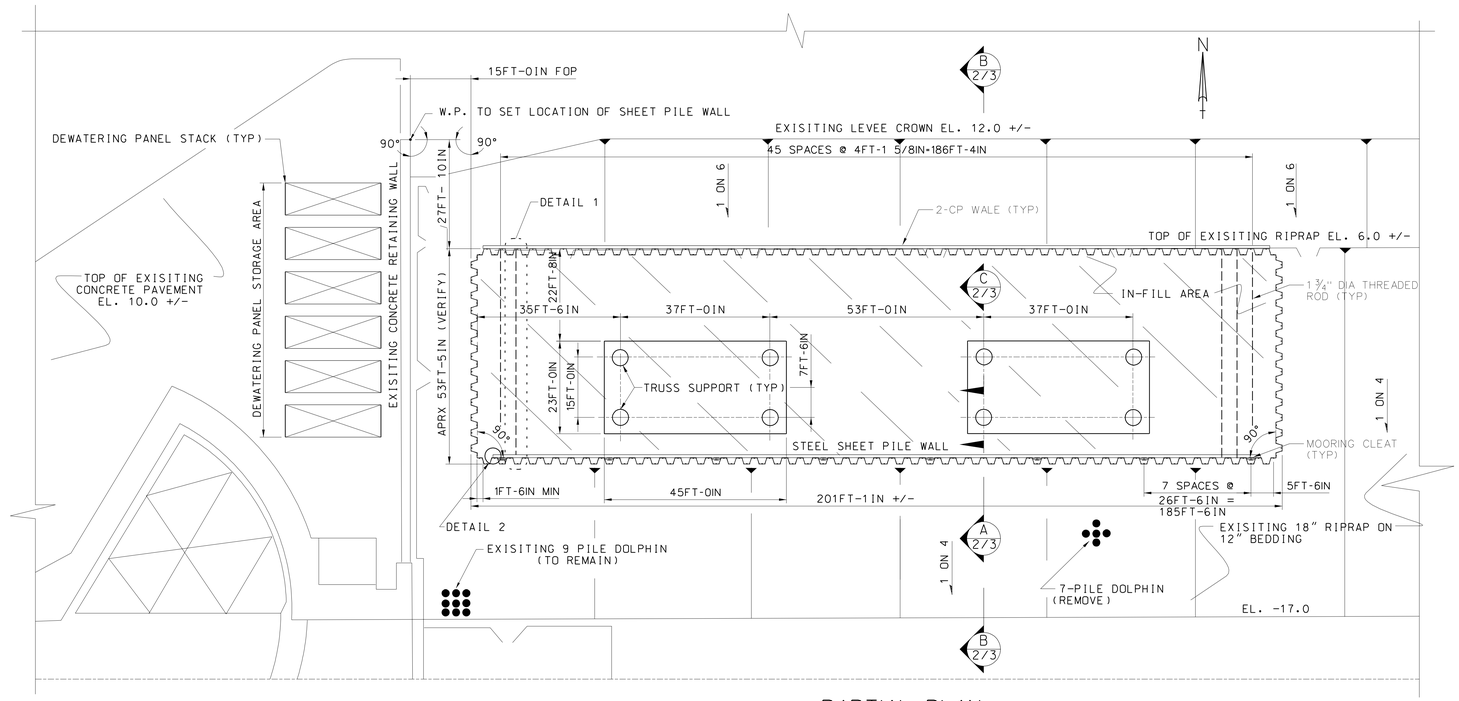
Designed by: J.L.A.
Dwn by: M.R.
Ckd by: M.W.
Inv. No.
Scale: AS SHOWN
Dated: MAR 2003
D.O. FILE NO. 90C-38,319

File name: CANLKRPXXXX0202.DGN
Reference files: CANLKRPXXXXBORDER.DGN, 11-74EDITED.TIF

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
SITE
GENERAL PLAN AND SECTIONS

DRAWING NO.
2/2

.../dms01903/canlkrpxxxx0202.dgn 06/02/2004 03:17:26 PM



PARTIAL PLAN

NTS

WALL NOTES:

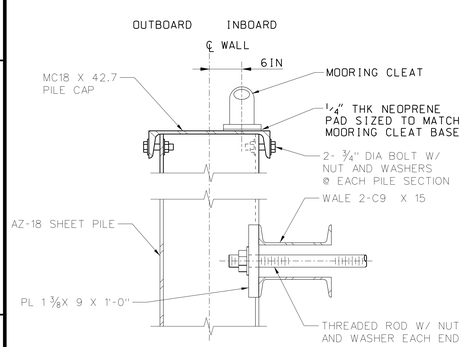
1. WALL DESIGN IS BASED ON AZ SHEET PILE SECTIONS BY ARBED. AT CONTRACTORS OPTION, OTHER SHEET PILE SECTIONS MAY BE USED PROVIDED THAT THE NOMINAL THICKNESS IS GREATER THAN 0.375 INCHES AND THE SECTION MODULUS IS GREATER THAN 33.5 INCHES CUBED PER FOOT. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE DESIGN AND DETAILING SHOULD AN ALTERNATE SHEET PILE SECTION BE PROPOSED, AND SHALL SUBMIT ALL DETAILS TO CONTRACTING OFFICER FOR APPROVAL.
2. PAINT STEEL SHEET PILES WITH SYSTEM NO. 6-A-Z.
3. CONTRACTOR TO RESTACK DEWATERING PANELS AS PROVIDED AFTER USE AND REINSTALL TIE-DOWN SYSTEM.
4. ALUMINUM PIPE TO BE 48 DIA, 3 X 1 CORRUGATED, 12 GAUGE, IAW AASHTO M 196M. PAINT PIPE WITH SYSTEM NO. 13.
5. MOORING CLEATS SHALL BE STANDARD CONFIGURATION MOORING CLEATS, HEAVY DUTY, CAST ALUMINUM (ALLOY 535.2), MINIMUM LENGTH 24", SECURED WITH TWO 1/2" DIA STAINLESS STEEL BOLT ASSEMBLIES. INSTALL 1/4" THICK NEOPRENE PAD BETWEEN MOORING CLEAT AND PILE CAP PLATE.
6. THREADED ROD TO CONFORM TO ASTM A615 GRD. 75. PRETENSION ROD SUFFICIENTLY TO PREVENT MORE THAN 1/2-INCH DEFLECTION OF THE UNSUPPORTED SPAN DUE TO SELF WEIGHT.

CONSTRUCTION SEQUENCE:

1. REMOVE EXISITING RIPRAP ALONG WALL ALIGNMENT. EXCAVATE ALONG ANCHOR WALL ALIGNMENT TO EL. 3.0.
2. DRIVE WALL AND ANCHOR WALL SHEET PILING.
3. BACKFILL BETWEEN WALL AND ANCHOR WALL TO EL. 2.0
4. INSTALL WHALERS AND ANCHOR RODS. PRE-TENSION ANCHOR RODS.
5. COMPLETE BACKFILL BETWEEN WALL AND ANCHOR WALL.
6. INSTALL WALL PILE CAP.

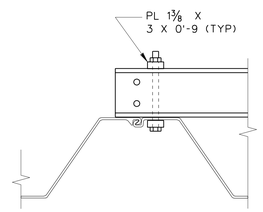
LEGEND:

WP WORKING POINT
FOP FACE OF PILE



SECTION A 2/3

NTS

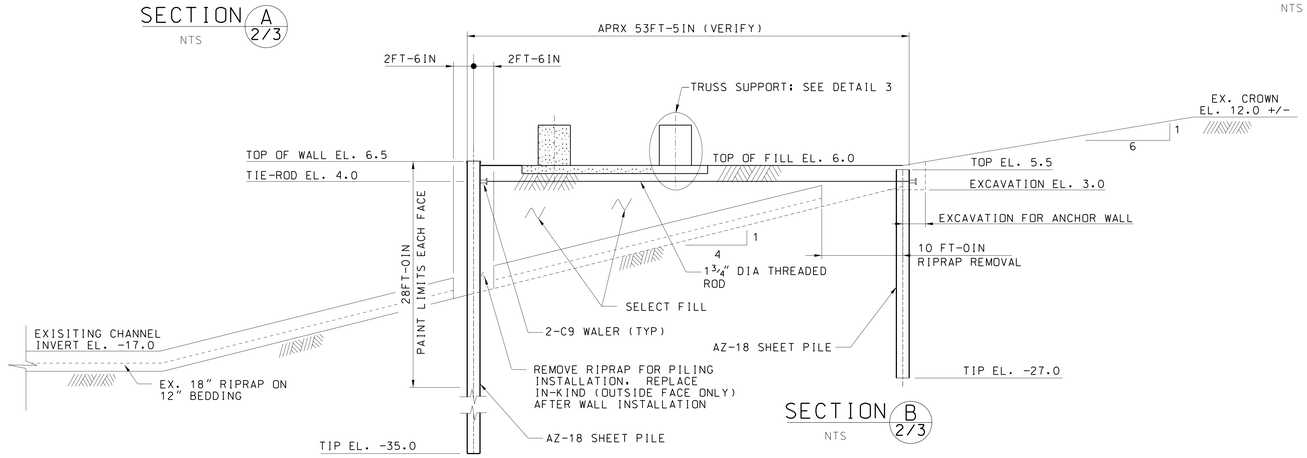


NOTES:

1. SINGLE BOLT CONNECTION TYPICAL AT EACH END OF WALER.

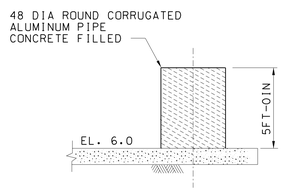
DETAIL 2

NTS



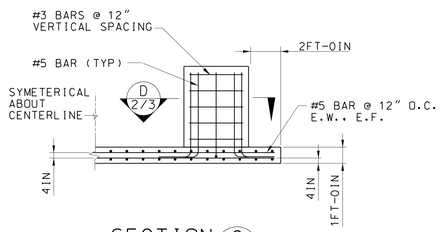
SECTION B 2/3

NTS



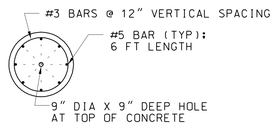
DETAIL 3

NTS



SECTION C 2/3

NTS



SECTION D 2/3

NTS

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: M.R.
Dwn by: M.R.
Ckd by: M.K.
Rev. No.
Scale: AS SHOWN
Dated: MAR 2003
D.O.FILE NO. 90C-38,319
File name: CAN0KRP0XXXX0203.DGN
Reference files: CANLKRPXXXX0PSR.DGN

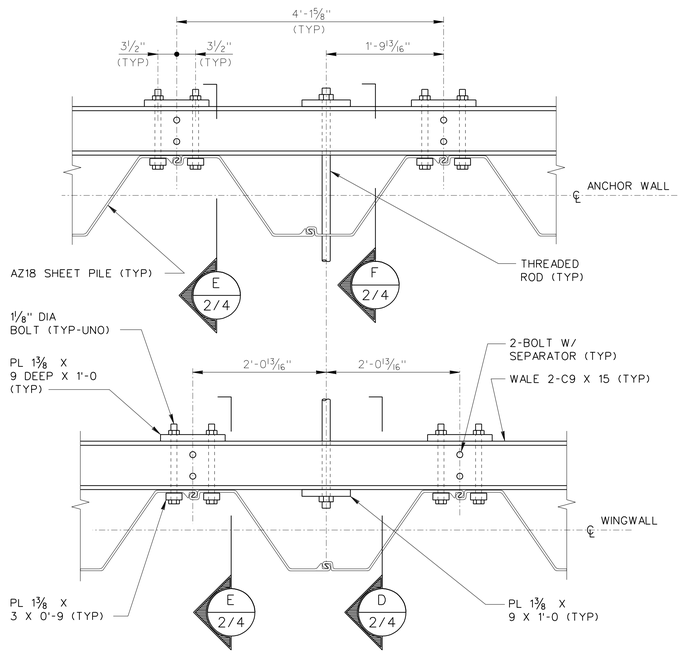
CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
SITE
STORAGE SITE FOR DEWATERING DAM

DRAWING NO.
2/3

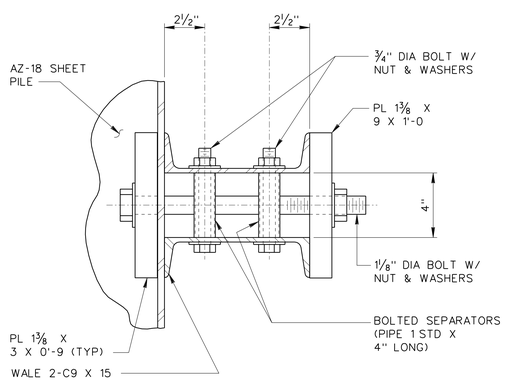
.../dms01903/canlkrpxxxx0203.dgn 05/03/2004 08:50:05 AM

NOTES:

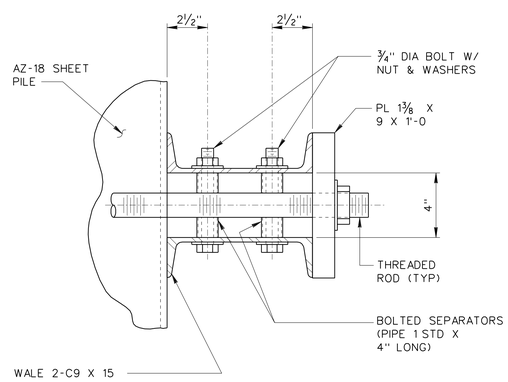
1. FOR PAINTING REQUIREMENTS SEE SPECIFICATION SECTION 09965.
2. CONTRACTOR FIELD VERIFY ALL CONNECTIONS PRIOR TO FABRICATION. ADJUST AS REQUIRED.



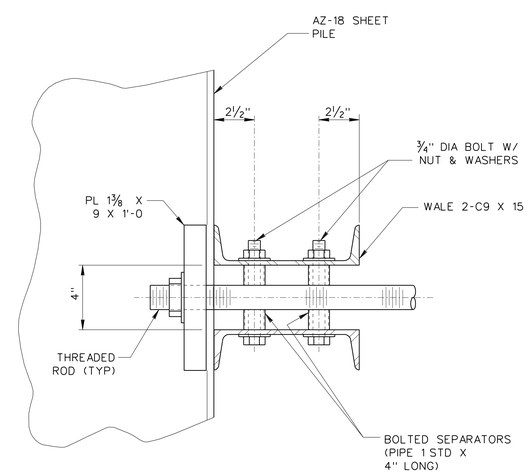
DETAIL 1 / 2/3
NTS



SECTION E / 2/4
NTS



SECTION F / 2/4
NTS



SECTION D / 2/4
NTS

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

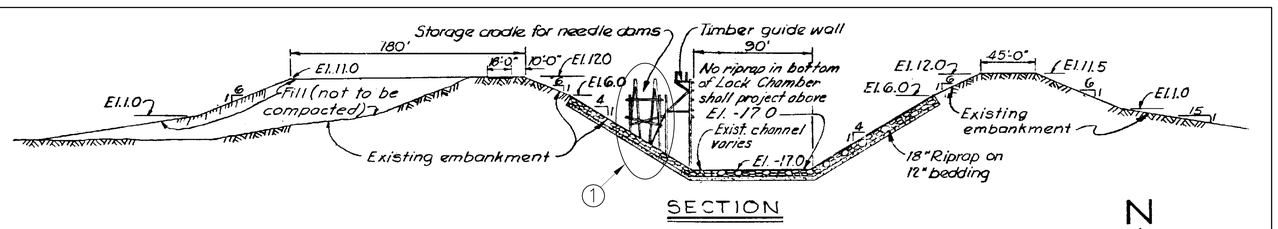
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Inv. No.
Scale: AS SHOWN
Designed by: M.R.
Drawn by: M.R.
Cad by: M.R.
Dated: MAR 2003
D.O. FILE NO. 90C-38,319
File name: CAN1KRPXXXX0204.DGN
Reference files: CANLKRPXXXXBASE.DGN

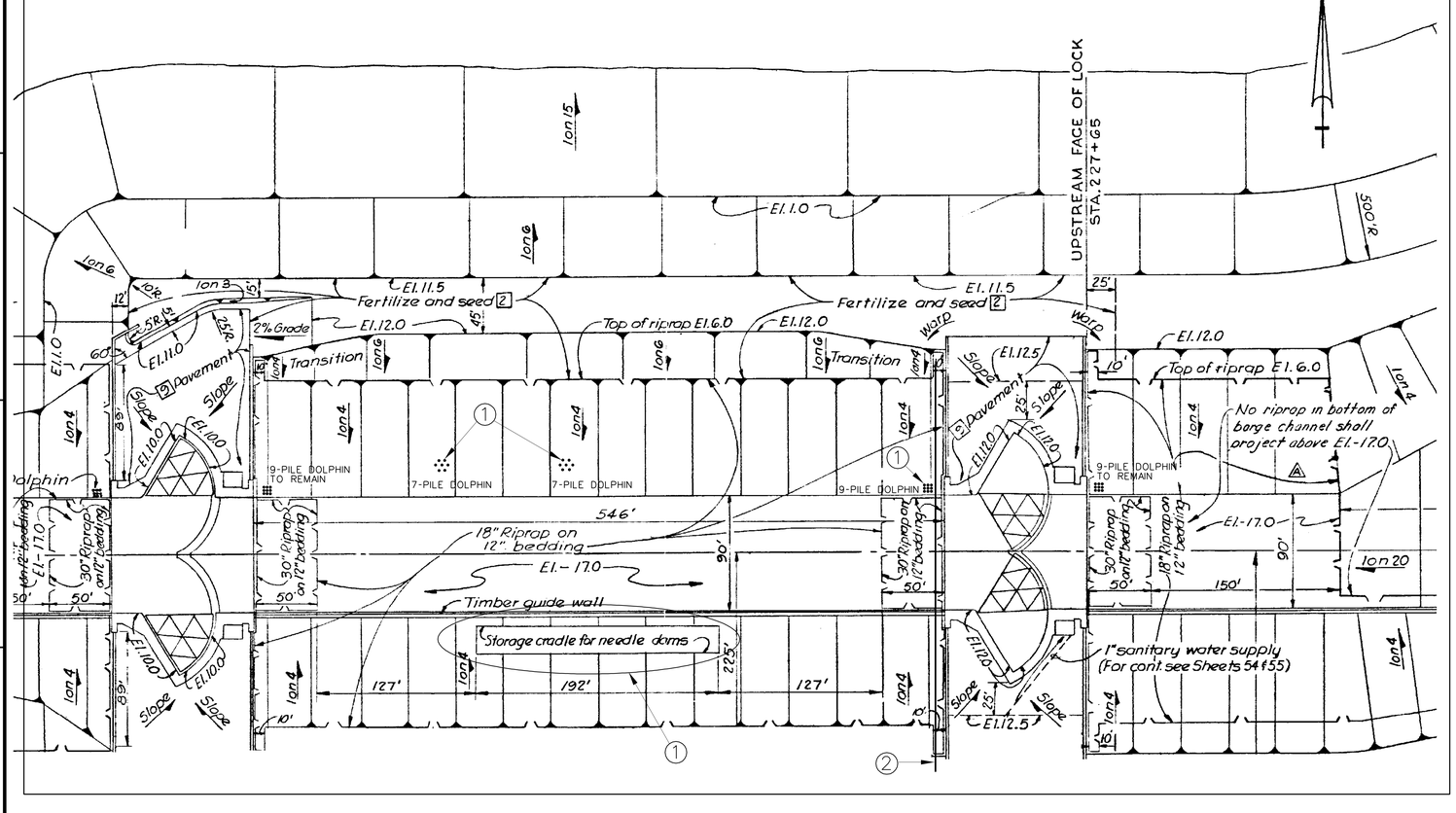
CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
SITE
DEWATERING DAM WALES DETAILS

DRAWING NO.
2/4

.../dms01903/canlkrpxxxx0204.dgn 05/03/2004 08:50:06 AM



SECTION



PARTIAL PLAN
(DEVELOPED AS-BUILT)

KEY NOTES:

1. REMOVE TWO 7-PILE DOLPHINS, ONE 9-PILE DOLPHIN, AND TRUSS STORAGE CRADLE. SEE DWG NO 6/4 FOR 9-PILE DOLPHIN DETAILS. SEE DWG NO 6/6 FOR TRUSS STORAGE CRADLE DETAILS. PILING SHALL BE CUT-OFF AT MUD LINE.
   INSTALL AND MAINTAIN A FLOATING BOOM TO CONTAIN FLOATING DEBRIS.
   REMOVE TIMBER DEBRIS CONTAINED BY BOOM DAILY AND DISPOSE OF LEGALLY OFF SITE.
   INSTALL AND MAINTAIN NETTING, OR OTHER MEANS, TO PREVENT NON-TIMBER DEBRIS FROM ENTERING THE WATERWAY.
2. REMOVE EXISTING 4" WATER LINE, FROM VALVE FLANGE TO FREE END.

GENERAL NOTES:

1. PARTIAL PLAN DRAWING WAS DEVELOPED FROM SHEET 10 OF THE ORIGINAL CONTRACT DRAWINGS.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: M.R.
Dwn by: M.R.
Ckd by: R.K.
Rev. No.
Scale: AS SHOWN
Dated: MAR 2003
D.O.-FILE NO. 90C-38,319

File name: CANLKRPXXXX0205.DGN
Reference files: CANLKRPXXXX0ERP.DGN
PK_E_DETAILS.DGN
SY-NLOTLOD.TIF

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
SITE
DEMOLITION

DRAWING NO.
2/5

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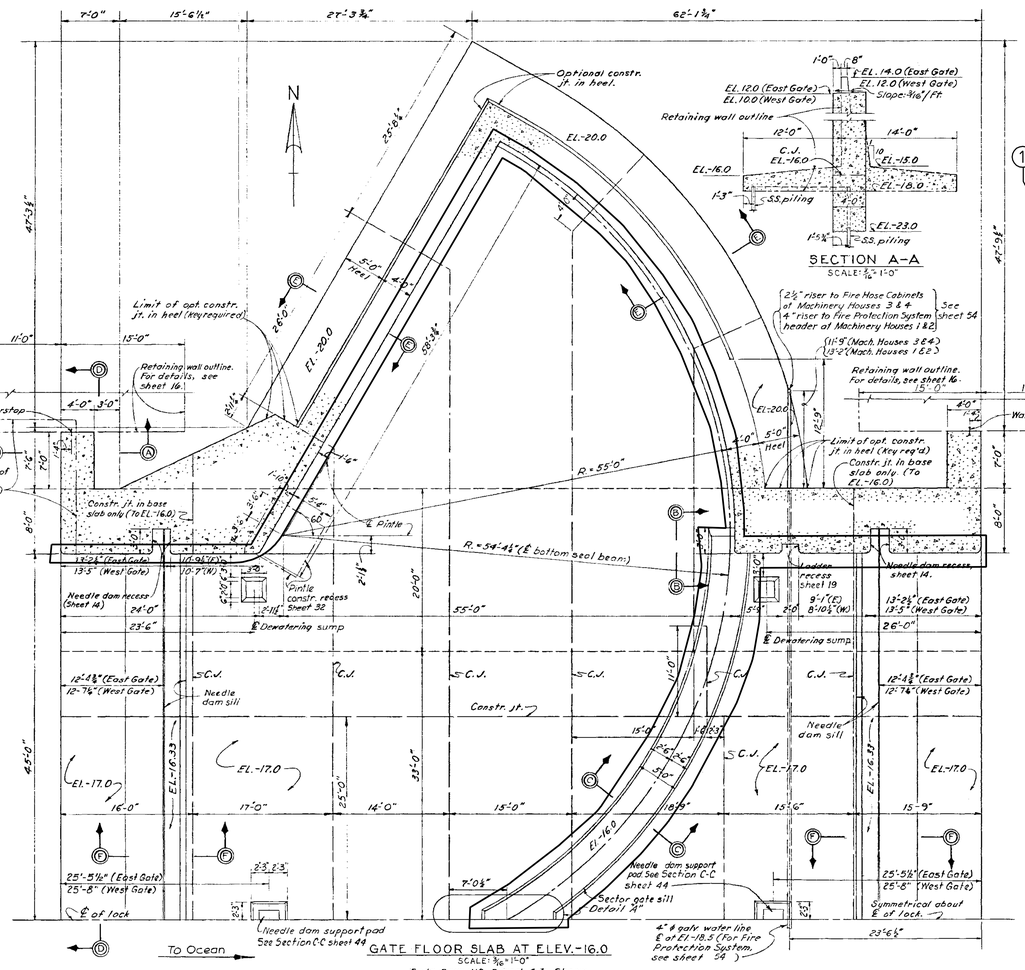

REVISIONS

NO.	SYM.	ZONE	DESCRIPTION	DATE	APPROVED

KEY NOTES:

1. SCRAPE OFF BARNACLES ON HORIZONTAL AND VERTICAL SURFACES OF EACH SECTOR GATE SILL.
2. SCRAPE OFF BARNACLES AND OTHER BIOFOULING ON ALL CONCRETE WALLS WITHIN DEWATERED GATE BAYS.

GENERAL NOTE:

1. THIS DRAWING SHOWS DETAILS OF THE DEWATERING SUMPS AND DEWATERING DAM SILLS.
2. NO REPAIR WORK WILL BE PERFORMED ON THE CONCRETE WALLS/SLABS. THE INTENT OF SCRAPING IS TO FACILITATE A CLEAN WORKING ENVIROMENT FOR PAINTING AND OTHER REPAIRS. DO NOT USE PRESSURE WASHING.

RECORD DRAWING NOTE

"Shall be" "Provide" "Install" [illegible] "etc." [illegible] "complete" and [illegible] the [illegible]

AS BUILT

U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
MASONRY
BASE SLAB

Dwg No. CIV ENG 08-123-164-25 | Sht F | File No. 11-28,223
DATED: 24 JANUARY 1964
SCALE: AS SHOWN | DATED: JULY 1963 | SHEET 12 OF 74
Drn by J.L.A. | Chk by A.A.

D. O. File No. 11-29,676

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Approved | Description | Zone | Symbol | No.

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Rev. No. | Scale: AS SHOWN | Date: MAR 2003
Designed by M.R. | Cad by M.W. | Dwn by M.R.
File name: DMS01903\003\001\001
Reference files: DMS01903\HARBOR.DGN 12-FEDERTEL.TIF

D.O. FILE NO. 90C-38,319

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
CONCRETE BASE SLAB

DRAWING NO.
3/1

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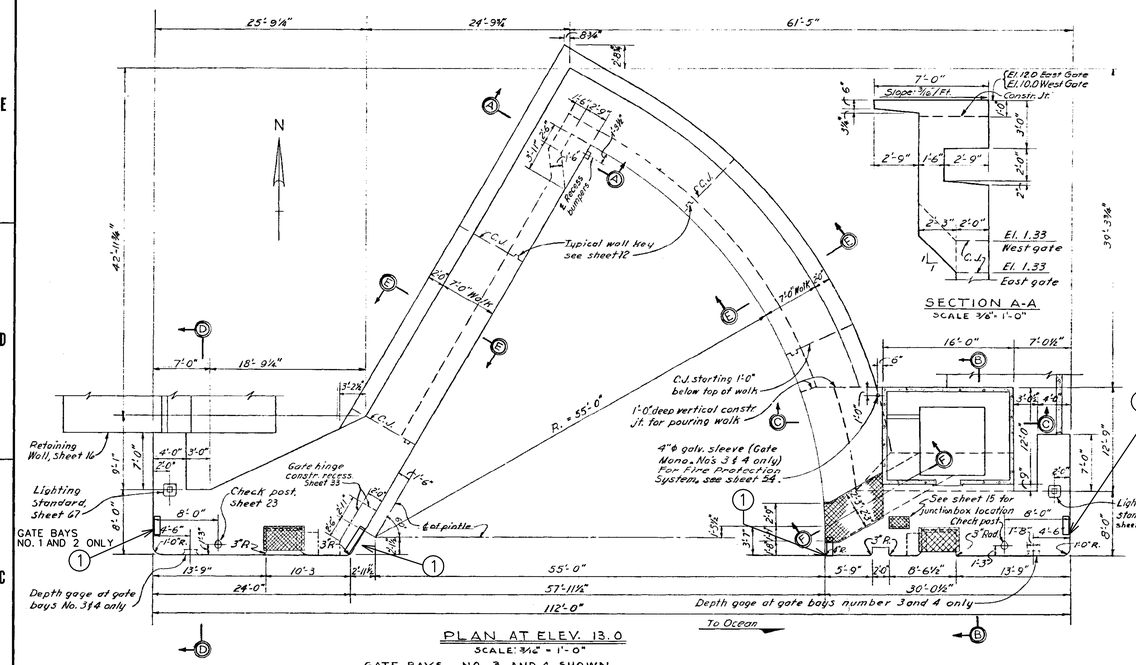
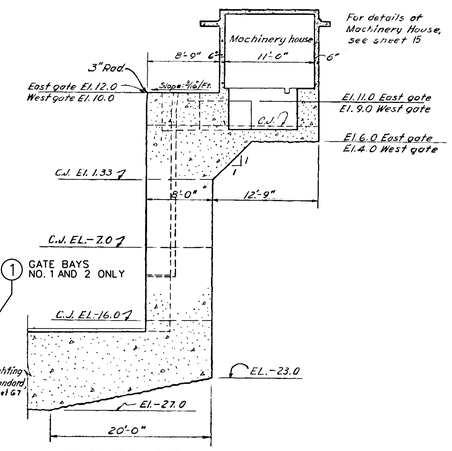
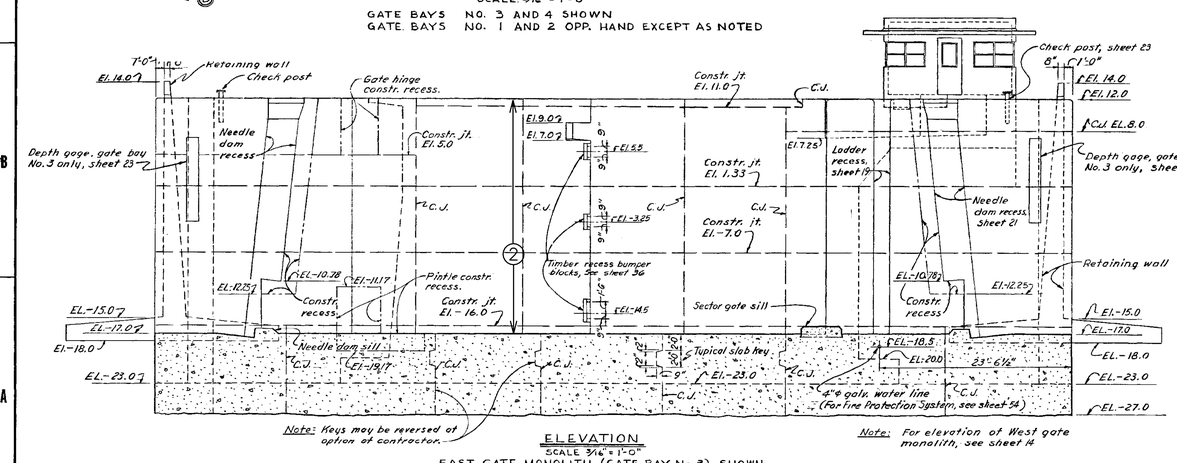


PLAN AT ELEV. 13.0
SCALE: 3/16" = 1'-0"
GATE BAYS NO. 3 AND 4 SHOWN
GATE BAYS NO. 1 AND 2 OPP. HAND EXCEPT AS NOTED

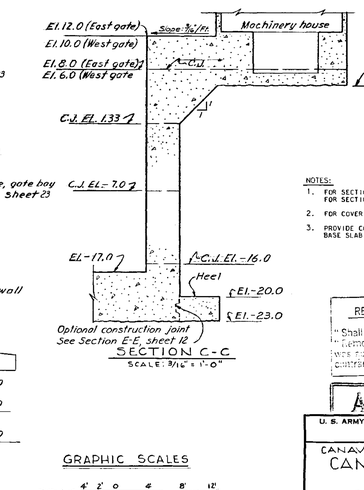
SECTION A-A
SCALE 3/16" = 1'-0"



SECTION B-B
SCALE: 3/16" = 1'-0"



ELEVATION
SCALE 3/16" = 1'-0"
EAST GATE MONOLITH (GATE BAY No. 3) SHOWN
EAST GATE MONOLITH (GATE BAY No. 1) OPP. HAND EXCEPT AS NOTED



SECTION C-C
SCALE: 3/16" = 1'-0"

NOTES:
1. FOR SECTIONS D-D AND E-E, SEE SHEET 12. FOR SECTION F-F SEE SECTION A-A SHEET 51.
2. FOR COVER PLATE DETAILS SEE SHEET 24
3. PROVIDE CONTINUOUS KEYS WHERE SHOWN IN BASE SLAB CONSTRUCTION JOINTS.

RECORD DRAWING NOTE
"Shall be," "Provide," "Install," "Remove," etc., in these work notes presupposes fulfillment of the contract.

AS BUILT

GRAPHIC SCALES
3/16" = 1'-0" 4' 2' 0 4' 8' 12'
3/8" = 1'-0" 2' 1' 0 2' 4' 6'

U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
MASONRY
PLAN AT TOP OF LOCK

Dwn by H.F.B. / Ckd by R.E.C.	CW ENG. DE-122-66-25	INDEX F	SHEET No. ~~11-28,383~~
	DATED: 24 JANUARY 1964		
	SCALE: AS SHOWN	DATED: JULY 1963	SHEET 13 OF 74

D. O. File No. 11-29,676

REVISIONS

NO.	SYM.	ZONE	DESCRIPTION	DATE	APPROVED

KEY NOTES:
1. (1) PAINT 3" YELLOW CAUTION MARKING AT EACH HANDRAIL OPENING. FOR HANDRAIL LAYOUT SEE DWG. NO. 4/6.
2. (2) SCRAPE OFF BARNACLES AND OTHER BIOFOULING ON CONCRETE WALLS WITHIN DEWATEREDGATE BAYS.

GENERAL NOTE:
1. THIS DRAWING SHOWS THE LOCATION OF THE DEWATERING DAM RECESSES IN THE EAST GATE MONOLITH.
2. NO REPAIR WORK WILL BE PERFORMED ON THE CONCRETE WALLS/SLABS. THE INTENT OF SCRAPING IS TO FACILITATE A CLEAN WORKING ENVIROMENT FOR PAINTING AND OTHER REPAIRS. DO NOT USE PRESSURE WASHING.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

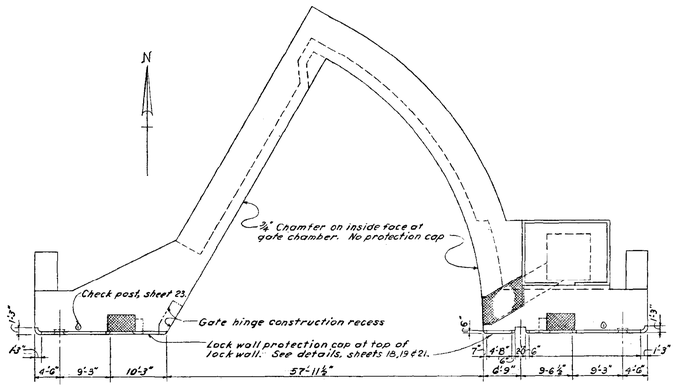
Inv. No.
Scale: AS SHOWN
Designed by: M.R.
Dwn by: M.R.
Ckd by: M.K.
Dated: MAR 2003
File name: CANLKRPXXXX8302.DGN
Reference files: CANLKRPXXXXBORDDGN 10-14-02.DGN
D.O. FILE NO. 90C-38,319

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
CONCRETE
PLAN AT TOP OF LOCK

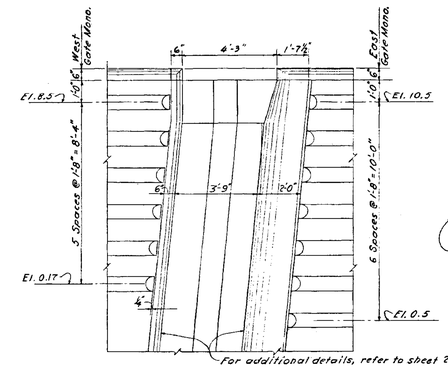
DRAWING NO.
3/2

.../dms01903/canlkrpxxxx8302.dgn 05/03/2004 08:50:50 AM

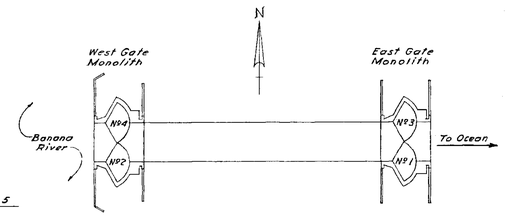
REVISIONS					
NO.	SYM	ZONE	DESCRIPTION	DATE	APPROVED
1	A		ADDED NOTE NO. 6, ON ANCHOR STUDS TO ACCOMPANY MODIFICATION TO CONTRACT NO. 62-35.	7-28-64	WK



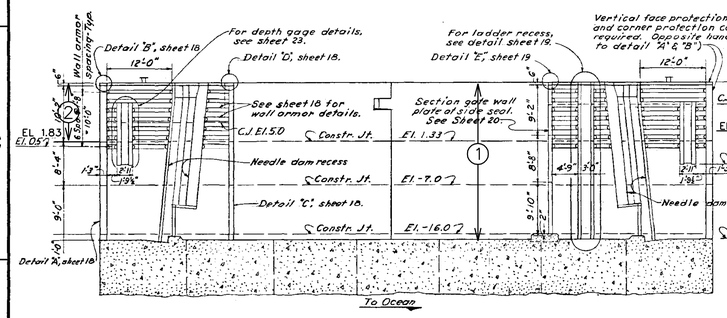
TYPICAL PLAN



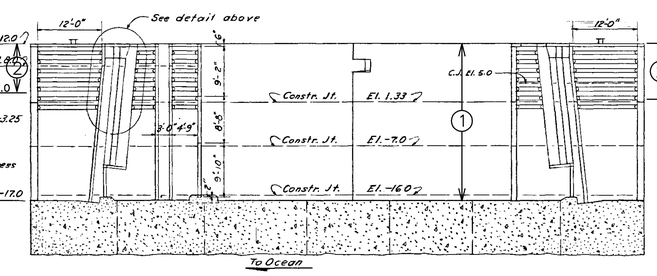
TYPICAL DETAILS AT NEEDLE DAM RECESSES
SCALE: ½"=1'-0"



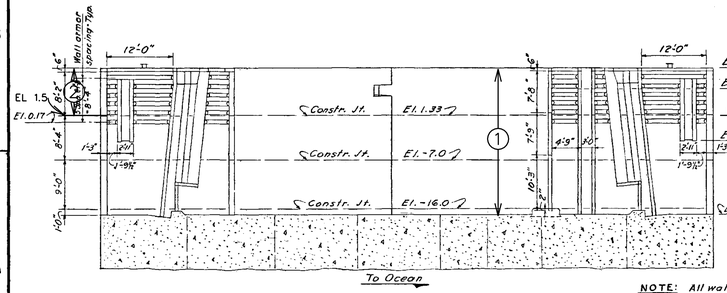
KEY PLAN



ELEVATION-GATE BAY NO. 3

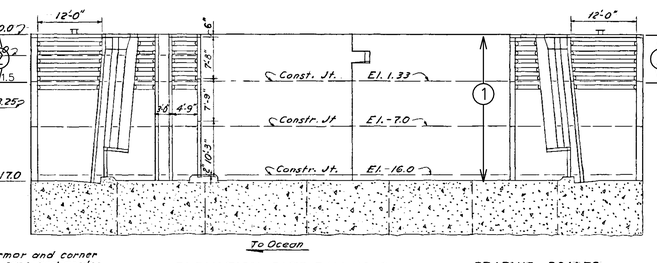


ELEVATION-GATE BAY NO. 1



ELEVATION-GATE BAY NO. 4

NOTE: All wall armor and corner protection caps and angles similar to that shown for Gate Monoliths 1 & 3.



ELEVATION-GATE BAY NO. 2

GRAPHIC SCALES

1/8" = 1'-0" 6" 3" 0 6" 12" 18"
1/2" = 1'-0" 2" 1" 0 1" 2" 3" 4"

NOTES - WALL PROTECTION

1. ELEVATION- GATE BAY NO. 3 SHOWS NOMENCLATURE OF DETAILS. WALL PROTECTION DETAILS SHOWN ON SHEETS FOLLOWING ARE ORIENTED FOR GATE BAY NO. 3. REFER TO KEY PLAN AND ELEVATIONS, THIS SHEET TO DETERMINE REQUIRED QUANTITIES, LENGTHS AND ORIENTATION.

GENERAL NOTES COVERING MISCELLANEOUS METALS:

1. ALL MATERIAL STRUCTURAL STEEL UNLESS OTHERWISE NOTED.
2. ALL GALVANIZED ITEMS TO BE GALVANIZED AFTER FABRICATION.
3. ALL BOLTS SHALL BE FURNISHED WITH ONE NUT AND ONE WASHER UNLESS OTHERWISE INDICATED.
4. ENDS OF WALL ARMOR, VERTICAL FACE PROTECTION AND LOCK WALL PROTECTION CAP TO BE CUT SQUARE AND BURRS REMOVED.
5. ALL MATERIALS NOTED AS CORROSION RESISTING OR CRES SHALL BE CORROSION RESISTING STEEL, TYPE 316.
6. AT THE OPTION OF THE CONTRACTOR, ⅝"-Ø x 8" LONG OR EQUAL ANCHOR STUDS MAY GENERALLY BE SUBSTITUTED FOR 2" x ⅝" - ANCHOR BARS. HOWEVER, SPECIFIC APPROVAL OF THE SUBSTITUTION FOR EACH INDIVIDUAL EMBEDDED ITEM IS REQUIRED PRIOR TO FABRICATION.

AS BUILT

U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
METAL
WALL PROTECTION-LAYOUT

Dwn by H.F.B. / J.L.A.	INV. NO. CIV ENG. DS-123-64-23. DATED: 24 JANUARY 1964	RFX F	FILE NO. ~~11-28,383~~
Ckd by J.S.C.	SCALE: 1/8"=1'-0"	DATED: JULY 1963	SHEET 17 OF 74

11-29,676

JLA

KEY NOTES:

1. PAINT FOUR LADDERS AND WALL PROTECTION WITHIN DEWATERED GATE BAYS WITH SYSTEM NO. 6-A-Z.
2. PAINT WALL PROTECTION OUTSIDE DEWATERED GATE BAYS WITH SYSTEM NO. 6-A-Z.

GENERAL NOTES:

1. SEE DWG 4/2 AND 4/3 FOR WALL PROTECTION AND LADDER DETAILS.

US Army Corps of Engineers
Jacksonville District

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No.	Symbol	Zone	Description	Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

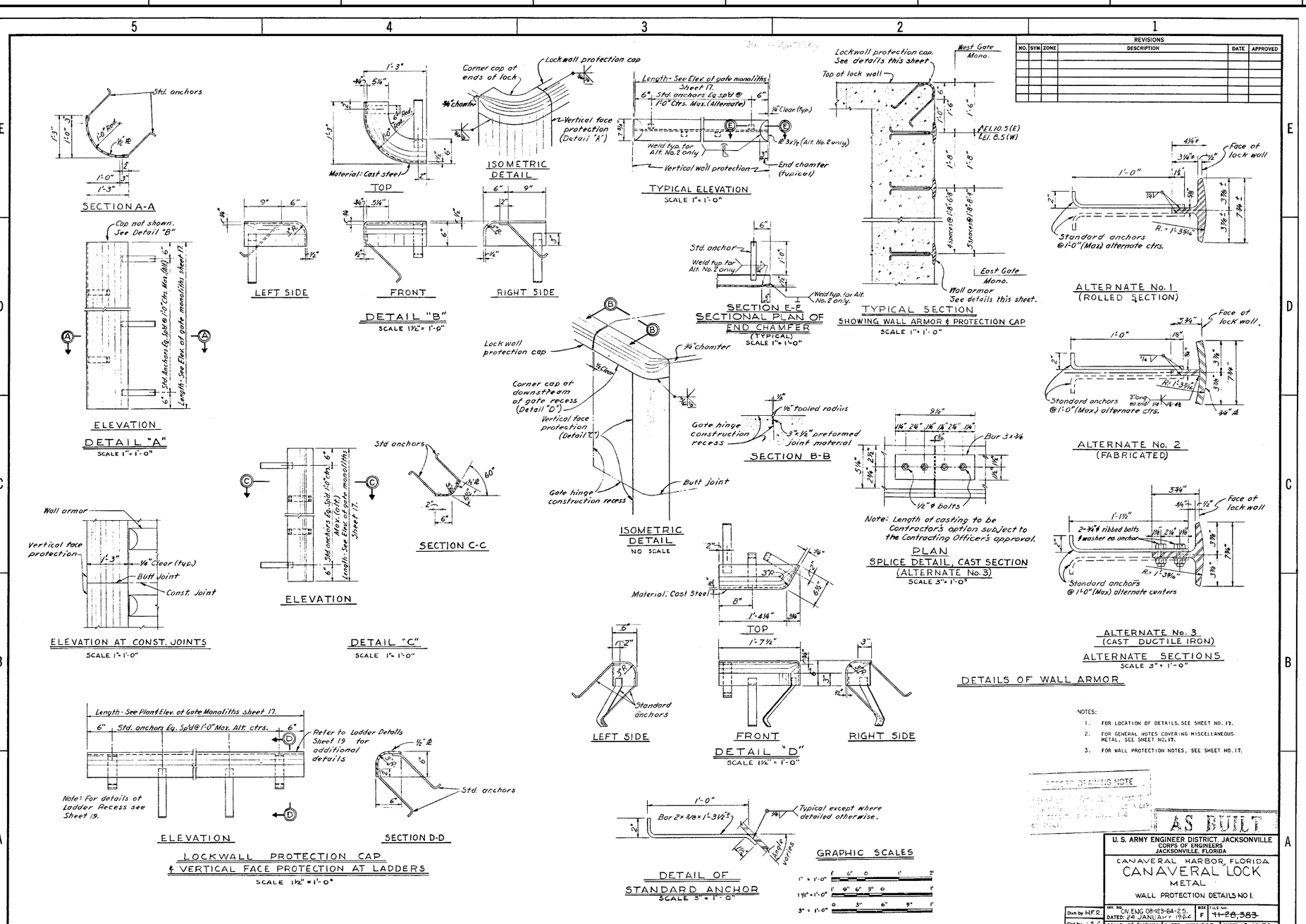
Inv. No.
Scale: AS SHOWN
Designed by: M.R.
Ckd by: M.K.
Dwn by: M.R.
Ckd by:
Dated: MAR 2003
D.O. FILE NO. 90C-38,319

File name: CANLKRPXXXX0401.DGN
Reference files: CANLKRPXXXXBOR.DGN
17-FNDTIED.18

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
METAL
WALL PROTECTION LAYOUT

DRAWING NO.
4/1

.../dms01903/canlkrpxxxx0401.dgn 05/03/2004 10:20:40 AM



REVISIONS					
NO.	SYM	ZONE	DESCRIPTION	DATE	APPROVED

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

GENERAL NOTE:

1. THE DRAWING SHOWS DETAILS OF WALL PROTECTION

NOTES:

1. FOR LOCATION OF DETAILS, SEE SHEET NO. 17.
2. FOR GENERAL NOTES COVERING MISCELLANEOUS METAL, SEE SHEET NO. 17.
3. FOR WALL PROTECTION NOTES, SEE SHEET NO. 17.

AS BUILT

U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
METAL
WALL PROTECTION DETAILS NO I.

Dwn by H.F.R. | INV. NO. DIV. ENG. 08-123-64-25 | DATED: 24 JANUARY 1964 | SIZE F | FILE NO. 11-28,383
Chd by J.S.C. | SCALE: AS SHOWN | DATED: JULY 1963 | SHEET 18 OF 74

11-29,676

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

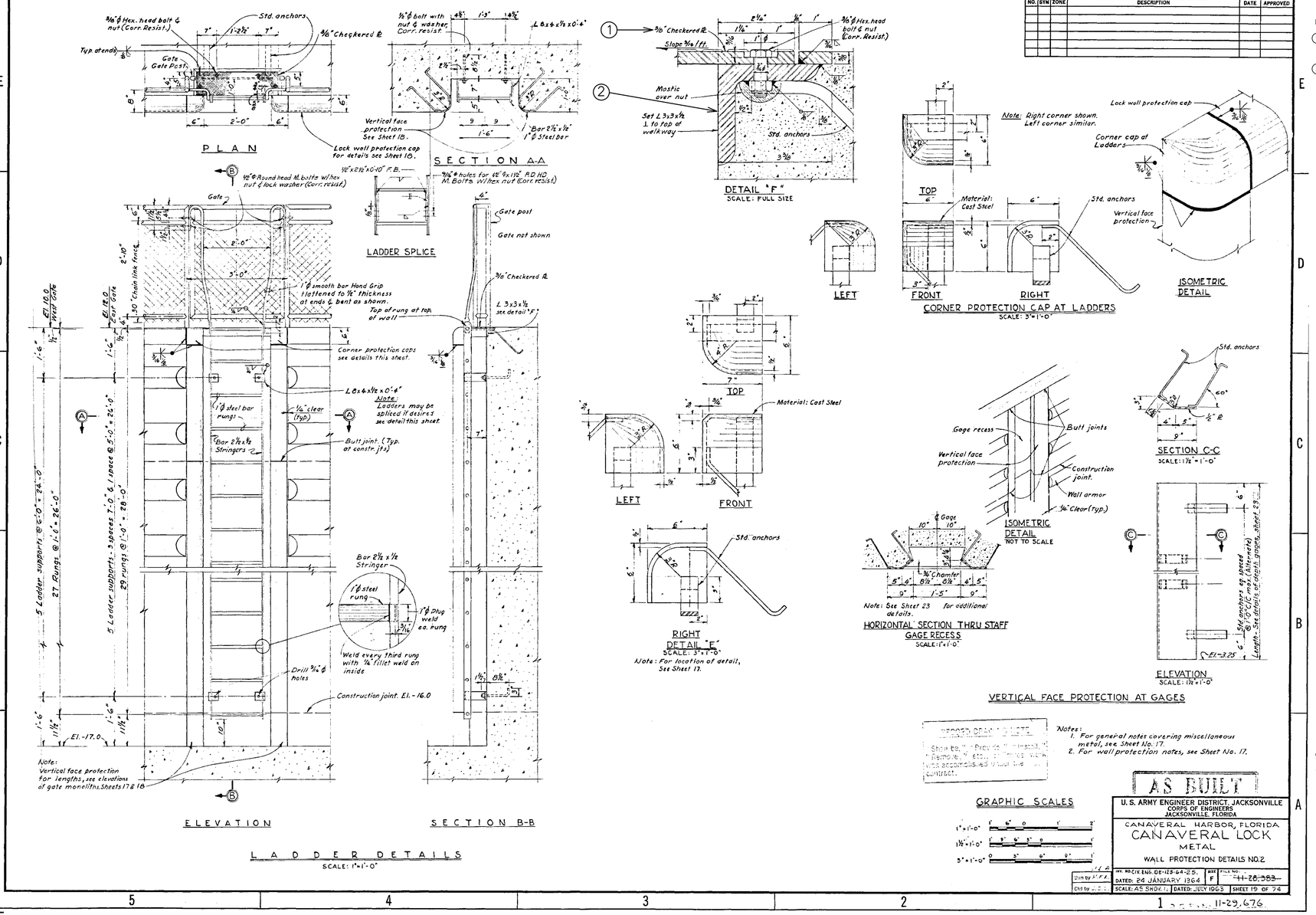
Inv. No.
Scale: AS SHOWN
Designed by: J.R.Z.
Dwn by: M.R.
Chd by: M.W.
Dated MAR 2003
D.O. FILE NO. 90C-38,319

File name: CANLKRPXXXX0402.DGN
Reference files: CANLKRPXXXXBGRD.DGN 18-74EDITED.TIF

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
METAL
WALL PROTECTION DETAILS

DRAWING NO.
4/2

REVISIONS					
NO.	SYM	ZONE	DESCRIPTION	DATE	APPROVED



KEY NOTES:

1. REMOVE 4 COVER PLATES, PAINT ALL SURFACES WITH SYSTEM NO. 21-A-Z, AND REINSTALL.
2. PAINT EACH EMBEDDED FRAME WITH SYSTEM NO. 21-A-Z WHILE COVER PLATES ARE REMOVED. EXISTING PAINT SYSTEM INCLUDES LEAD-BASED PAINT.

GENERAL NOTE:

1. THIS DRAWING SHOWS DETAILS OF LADDERS AND WALL PROTECTION.

AS BUILT

U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
METAL
WALL PROTECTION DETAILS NO.2

DATED: 24 JANUARY 1964 | SCALE: AS SHOWN | DATED: JULY 1963 | SHEET 19 OF 74

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

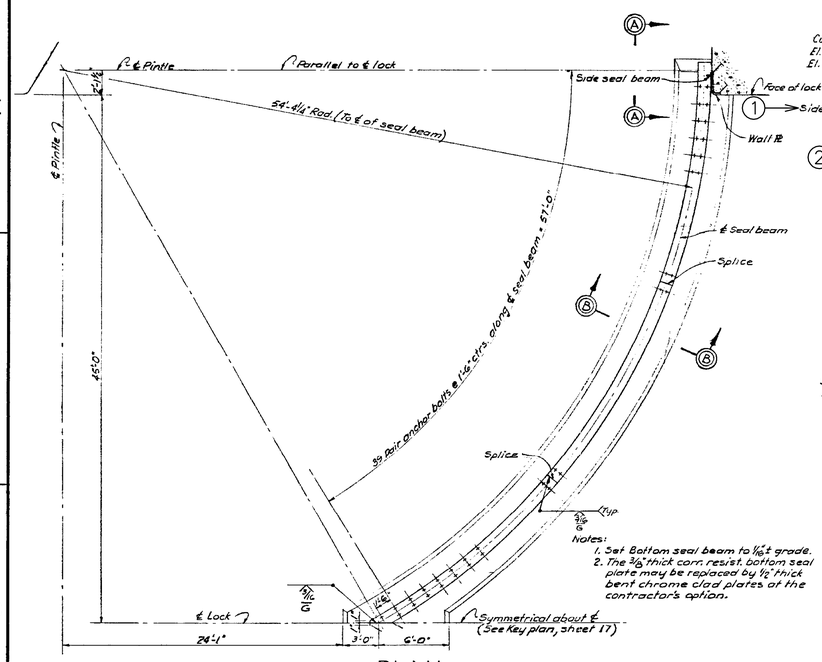
Designed by: M.R.
Dwn by: M.R.
Ckd by: M.W.
Scale: AS SHOWN
Dated: MAR 2003

D.O. FILE NO. 90C-38.319

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
METAL
WALL PROTECTION DETAILS

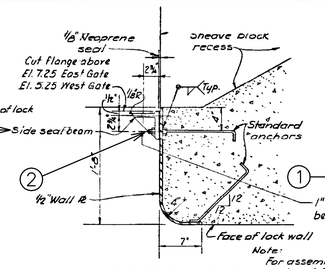
DRAWING NO.
4/3

.../dms01903/canlkrpxxxx8403.dgn 05/03/2004 08:52:05 AM

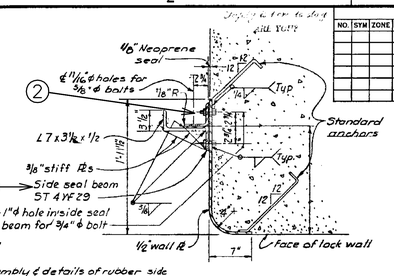


PLAN
SCALE: 1/4" = 1'-0"

GATE BAYS NO. 3 AND 4 SHOWN
GATE BAYS NO. 1 AND 2 OPPOSITE HAND

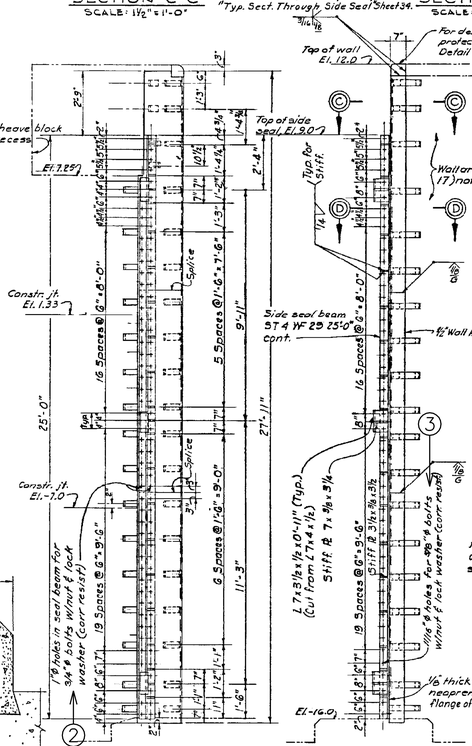


SECTION C-C
SCALE: 1½" = 1'-0"

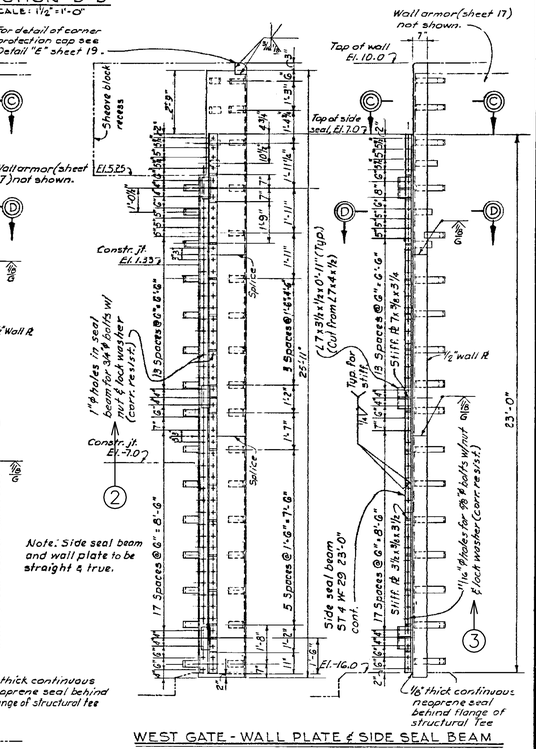


Note: For assembly & details of rubber side seals and 2 x 3/8 clamp bar see "Typ. Sect. Through Side Seal" Sheet 34.

SECTION D-D
SCALE: 1½" = 1'-0"

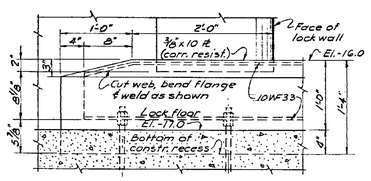


EAST GATE - WALL PLATE & SIDE SEAL BEAM
SCALE: ½" = 1'-0"
GATE BAY NO. 3 AS SHOWN
GATE BAY NO. 1 OPPOSITE HAND

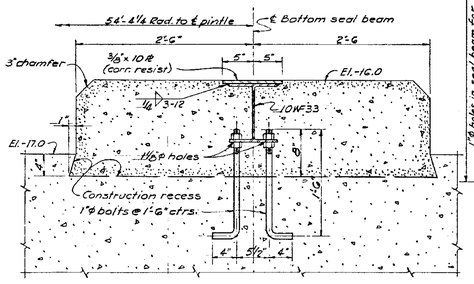


Note: Side seal beam and wall plate to be straight & true.

WEST GATE - WALL PLATE & SIDE SEAL BEAM
SCALE: ½" = 1'-0"
GATE BAY NO. 4 AS SHOWN
GATE BAY NO. 2 OPPOSITE HAND



SECTION A-A
SCALE: 1½" = 1'-0"



SECTION B-B
SCALE: 1½" = 1'-0"

BOTTOM SEAL BEAM

NOTES:
1. WALL PROTECTION NOTES AND GENERAL NOTES COVERING MISCELLANEOUS METALS (SH. 17) ARE APPLICABLE TO ITEMS SHOWN ON THIS SHEET.
2. LOCATION OF SPLICES MAY BE VARIED, SUBJECT TO APPROVAL OF THE CONTRACTING OFFICER.

RECORD DRAWING NOTE
"Shall be," "Provide," "Install," "Remove," etc., indicates work was accomplished under the contract.

GRAPHIC SCALES
1/4" = 1'-0"
1/2" = 1'-0"
1 1/2" = 1'-0"

AS BUILT

U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
METAL
SECTOR GATE EMBEDDED SEALS

J.S.C. JR. Dwn by & R.B.H.	INV. NO. CIV. ENG. 08-123-64-25.	SIZE F	FILE NO. ~~11-28,383~~
J.S.C. Chd by & A.G.J.	DATED: 24 JANUARY 1964		
	SCALE: AS SHOWN	DATED: JULY 1963	SHEET 20 OF 74

D.O. File No. 11-29,676

REVISIONS

NO.	SYM	ZONE	DESCRIPTION	DATE	APPROVED

KEY NOTES:
1. REMOVE EACH SIDE SEAL BEAM, PAINT WITH SYSTEM NO. 6-A-Z, AND REINSTALL. PAINT WALL PLATES WHILE SEAL BEAMS ARE REMOVED.
2. REPLACE LOCK WASHERS AND NUTS WITH STAINLESS STEEL LOCK WASHERS AND NUTS.
3. REPLACE STAINLESS STEEL FASTENERS WITH STAINLESS STEEL FASTENERS.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No. | Symbol | Zone | Description | Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: W.R.B. | Inv. No.
Dwn by: M.R. | Chd by: M.K. | Scale: AS SHOWN
Dated MAR 2003
D.O. FILE NO. 90C-38,319

File name: CANLKRPXXXX0404.DGN
Reference files: CANLKRPXXXXBRDR.DGN 20-74EDITED.TIF

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
METAL
SECTOR GATE EMBEDDED SEALS

DRAWING NO.
4/4

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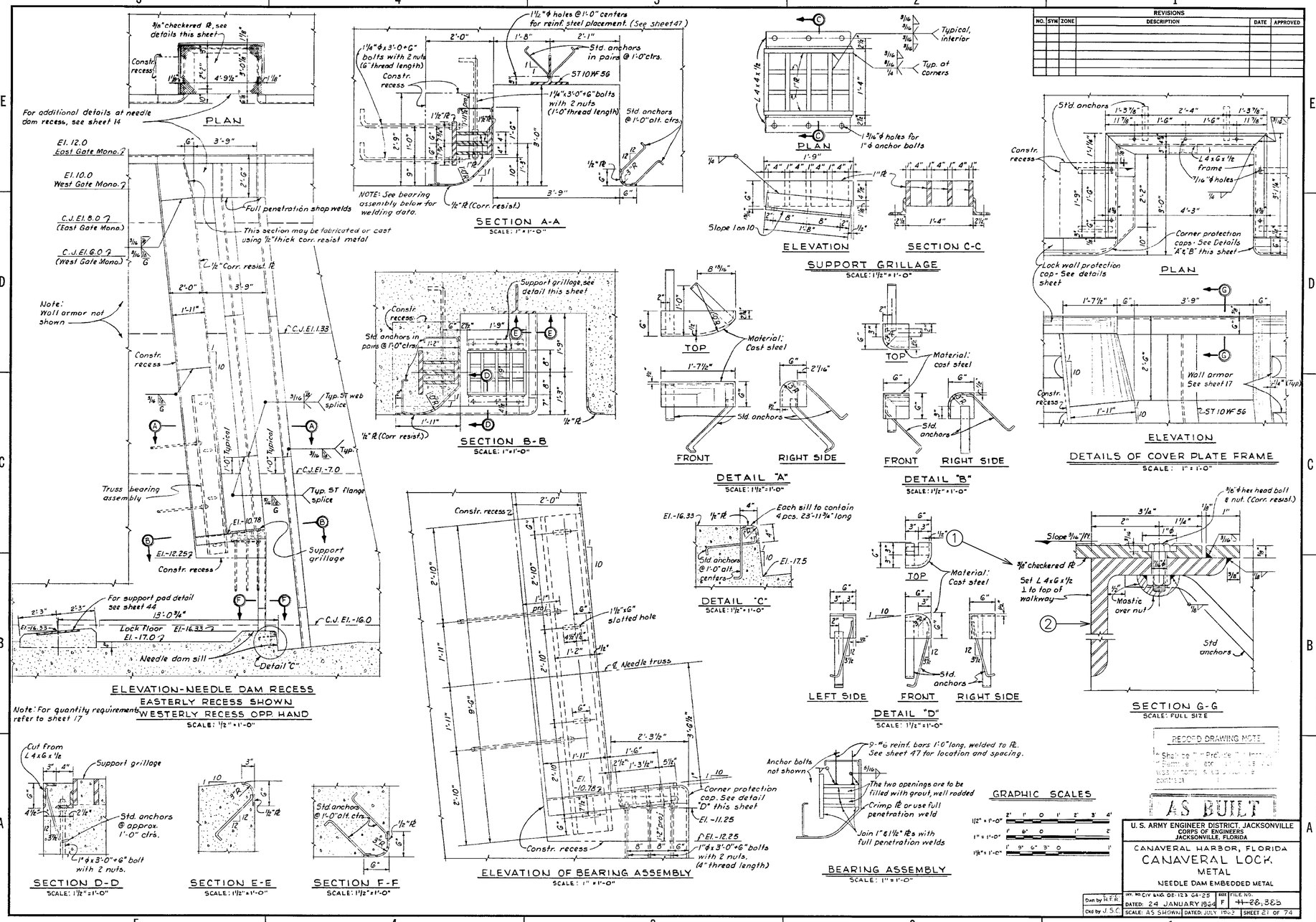

REVISIONS					
NO.	SYM	ZONE	DESCRIPTION	DATE	APPROVED

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

KEY NOTES:

1. REMOVE 8 COVER PLATES, PAINT ALL SURFACES WITH SYSTEM NO. 21-A-Z, AND REINSTALL.
2. PAINT EACH EMBEDDED FRAME WITH SYSTEM NO. 21-A-Z WHILE COVER PLATES ARE REMOVED. EXISTING PAINT SYSTEM INCLUDES LEAD-BASED PAINT.

GENERAL NOTE:

1. THIS DRAWING SHOWS DETAILS OF WALL PROTECTION.

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: H.F.K.
Dwn by: H.F.K.
Ckd by: M.K.
Scale: AS SHOWN
Dated: MAR 2003
D.O. FILE NO. 90C-38,319

File name: CANLKRPXXXX0405.DGN
Reference files: CANLKRPXXXXBRDR.DGN 21-74EDITED.TIF

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
METAL
DEWATERING DAM EMBEDDED METAL

DRAWING NO.
4/5

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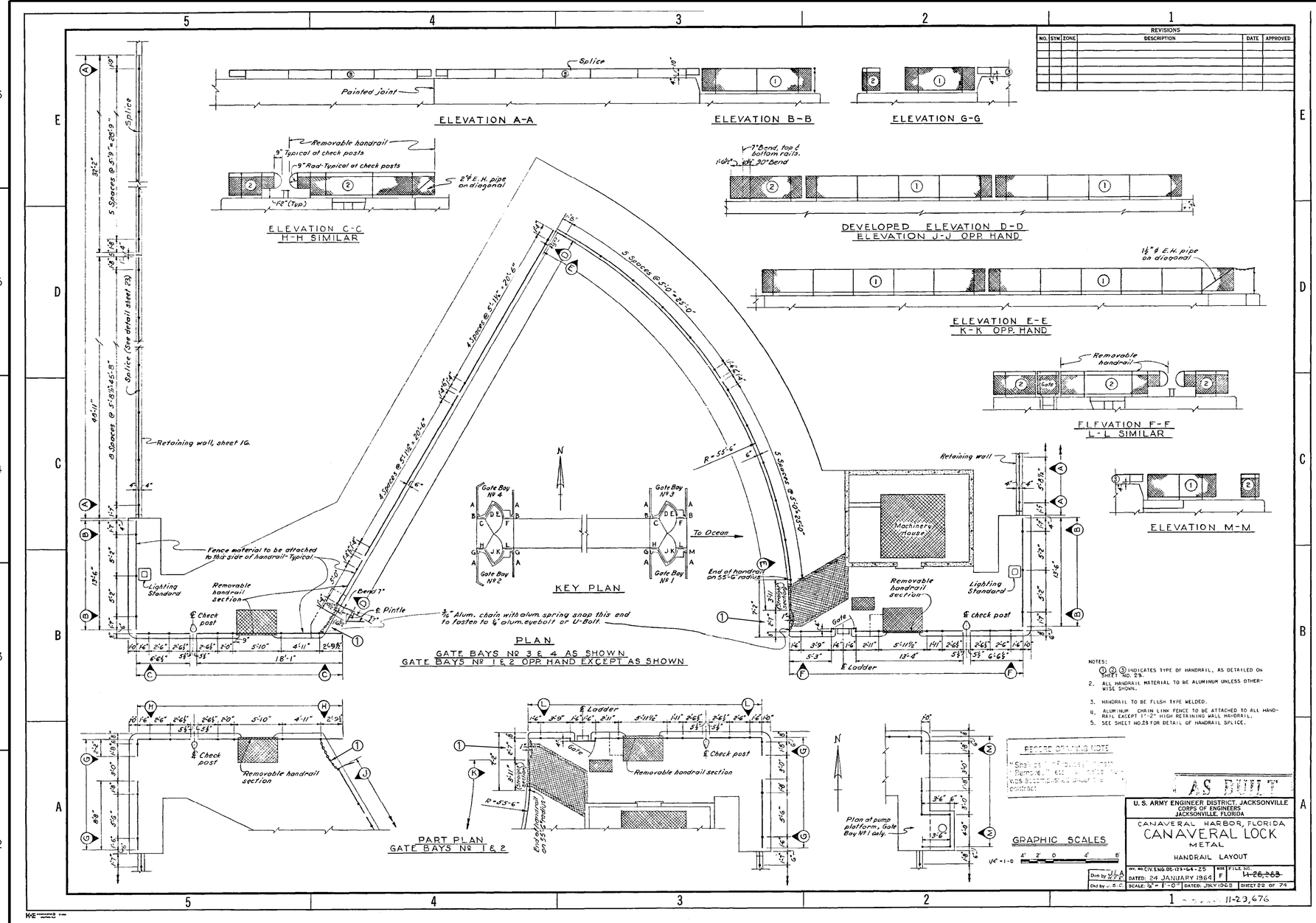

NOTES:

1. ①②③ INDICATES TYPE OF HANDRAIL, AS DETAILED ON SHEET NO. 23.
2. ALL HANDRAIL MATERIAL TO BE ALUMINUM UNLESS OTHERWISE SHOWN.
3. HANDRAIL TO BE FLUSH TYPE WELDED.
4. ALUMINUM CHAIN LINK FENCE TO BE ATTACHED TO ALL HANDRAIL EXCEPT 1'-2" HIGH RETAINING WALL HANDRAIL.
5. SEE SHEET NO. 23 FOR DETAIL OF HANDRAIL SPLICE.

KEY NOTE:

① MODIFY EXISTING HANDRAIL TO SUIT NEW WALKWAY DESIGN. MINIMUM CLEAR OPENING SHALL BE 36". INSTALL NEW CHAINS AND FASTENERS AS REQUIRED. TYPICAL ALL GATES.

GENERAL NOTES:

1. THIS DRAWING SHOWS LOCATION OF ORIGINAL HANDRAIL, COVER PLATES, AND CHECK POSTS.
2. EXISTING HANDRAIL POST LOCATIONS ARE ADJACENT TO POST LOCATIONS SHOWN.

REVISIONS					
NO.	STN	ZONE	DESCRIPTION	DATE	APPROVED

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: M.R.
Dwn by: M.R.
Ckd by: M.W.
Rev. No.
Scale: AS SHOWN
Dated: MAR 2003

D.O. FILE NO. 90C-38,319

File name: CANLKRPXXXXX0406.DGN
Reference files: CANLKRPXXXXXBRGR.DGN
72-HEDITED.TF

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
METAL
HANDRAIL LAYOUT

DRAWING NO.
4/6

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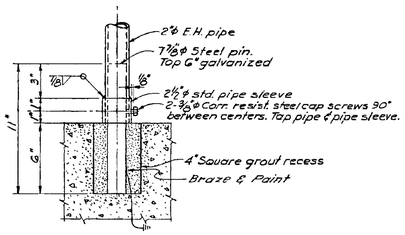
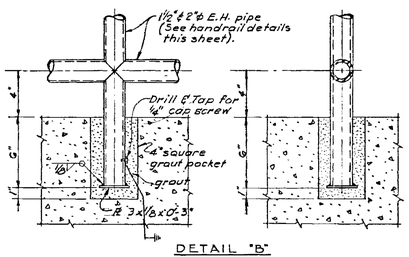


DETAIL "A"
SCALE: 3"=1'-0"



DETAIL "B"
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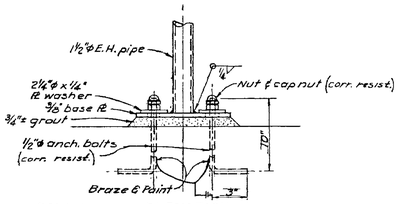
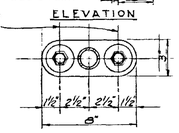
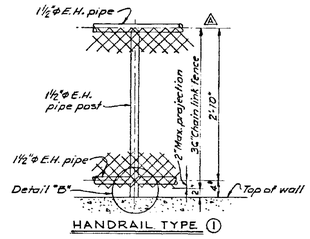
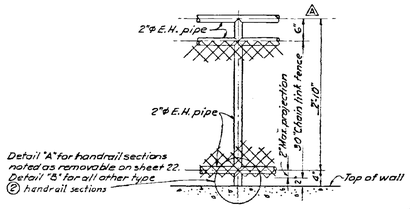




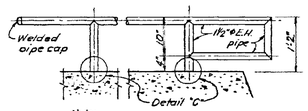
PLAN
DETAIL "C"
SCALE: 3"=1'-0"



HANDRAIL TYPE ①

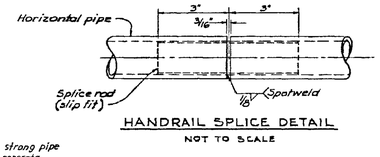


HANDRAIL TYPE ②
SCALE: 1"=1'-0"

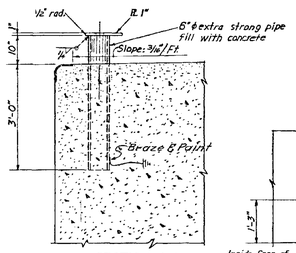


Note: No fence material required for handrail type ③

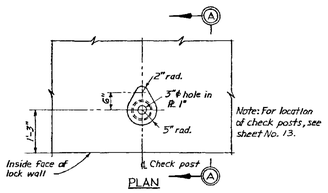
HANDRAIL TYPE ③
SCALE: 1"=1'-0"



HANDRAIL SPLICE DETAIL
NOT TO SCALE



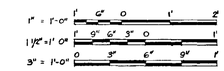
SECTION A-A

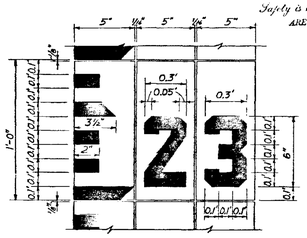


PLAN

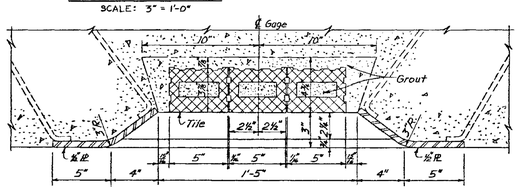
① → CHECK POST DETAILS
SCALE: ¾"=1'-0"
8 REQUIRED

GRAPHIC SCALES

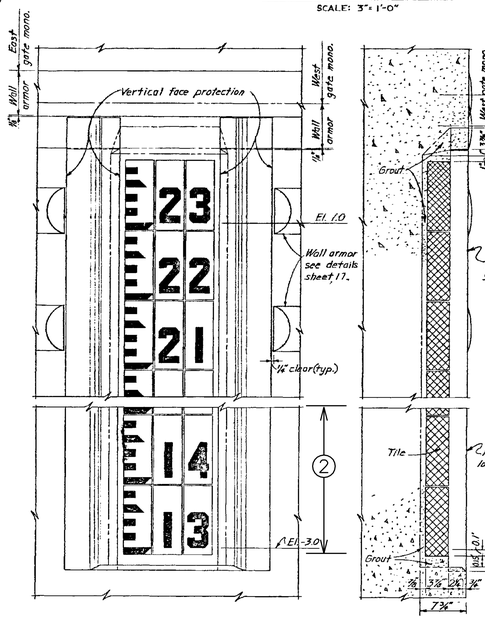




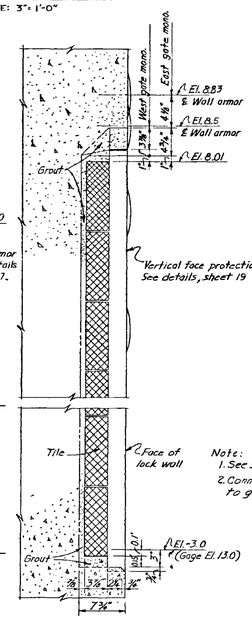
TYPICAL GAGE MARKINGS
SCALE: 3"=1'-0"



SECTIONAL PLAN THRU GAGE
SCALE: 3"=1'-0"



ELEVATION



SECTION

Note:
1. See sheet No. 22 for handrail notes.
2. Connect 1 leg of each section to grounding system.

DETAILS OF DEPTH GAGE
SCALE: 1½" = 1'-0"
2 REQUIRED – GATE BAY NO. 3
2 REQUIRED – GATE BAY NO. 4

RECORD DRAWING NOTE
"Shall be," "Provide," "Install," "Remove," etc., indicates work was accomplished under the contract

AS BUILT

U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
CORPS OF ENGINEERS
JACKSONVILLE FLORIDA

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
METAL
HANDRAIL AND DEPTH GAGE DETAILS

Dwn by JCK | Ckd by A.E.J. | INV. NO. CIV. ENG. DB-125-60-25 | DATED: 24 JANUARY 1964 | SIZE F | FILE NO. ~~11-28,383~~ | SCALE: AS SHOWN | DATED: JULY 1965 | SHEET 23 OF 74

D.O. File No. 11-29,676

REVISIONS

NO.	SYM	ZONE	DESCRIPTION	DATE	APPROVED
2	A		REPLACE TYPE ② HANDRAILS & CHAIN LINK FENCE DIMENSIONED TO & PIPE TO ACCOMPANY AMEND. NO. 1	2-4-64	W.H.C.

Safety is here to stay ARE YOU?

KEY NOTES:

① PAINT 8 CHECK POSTS WITH SYSTEM NO. 21-A-Z, THEN PAINT SAME CHECK POSTS YELLOW WITH FED. SPEC. TT-C-542.

② SCRAPE OFF BARNACLES AND PRESSURE-WASH CLEAN THE MARKINGS (FACE) BELOW EL. 2.0 ON 4 DEPTH GAGES.

GENERAL NOTES:

1. IGNORE HANDRAIL DETAILS SHOWN ON THIS DRAWING. (EXCEPT SPLICE DETAIL WHEN APPLICABLE)

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No. | Symbol | Zone | Description | Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: W.H.C. | Inv. No.: | Scale: AS SHOWN
Dwn by: M.R. | Ckd by: M.W.
Dated: MAR 2003
D.O.-FILE NO. 90C-38,319

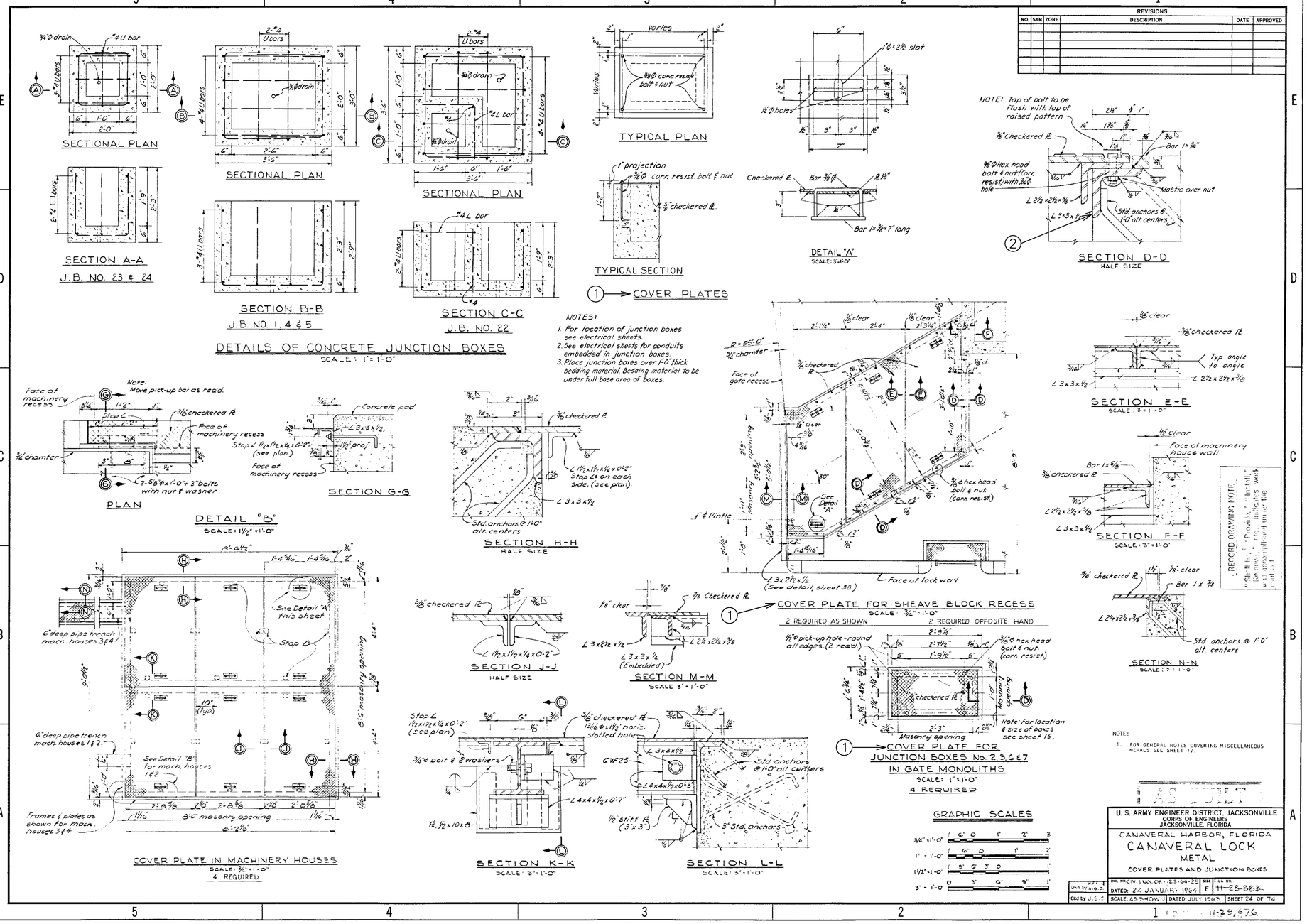
File name: CANLKRPXXXX0407.DGN
Reference files: CANLKRPXXXXBORDER.DGN 23-74EDITED.TIF

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
METAL
HANDRAIL AND DEPTH GAGE DETAILS

DRAWING NO.
4/7

.../dms01903/canlkrpxxxx0407.dgn 05/04/2004 07:34:11 AM

REVISIONS					
NO.	SYM	ZONE	DESCRIPTION	DATE	APPROVED



KEY NOTES:

1. REMOVE EACH COVER PLATE. PAINT ALL SURFACES WITH SYSTEM NO. 21-A-Z, AND REINSTALL.
2. PAINT EACH EMBEDDED FRAME WITH SYSTEM NO. 21-A-Z WHILE COVER PLATES ARE REMOVED. EXISTING PAINT SYSTEM CONTAINS LEAD-BASED PAINT.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

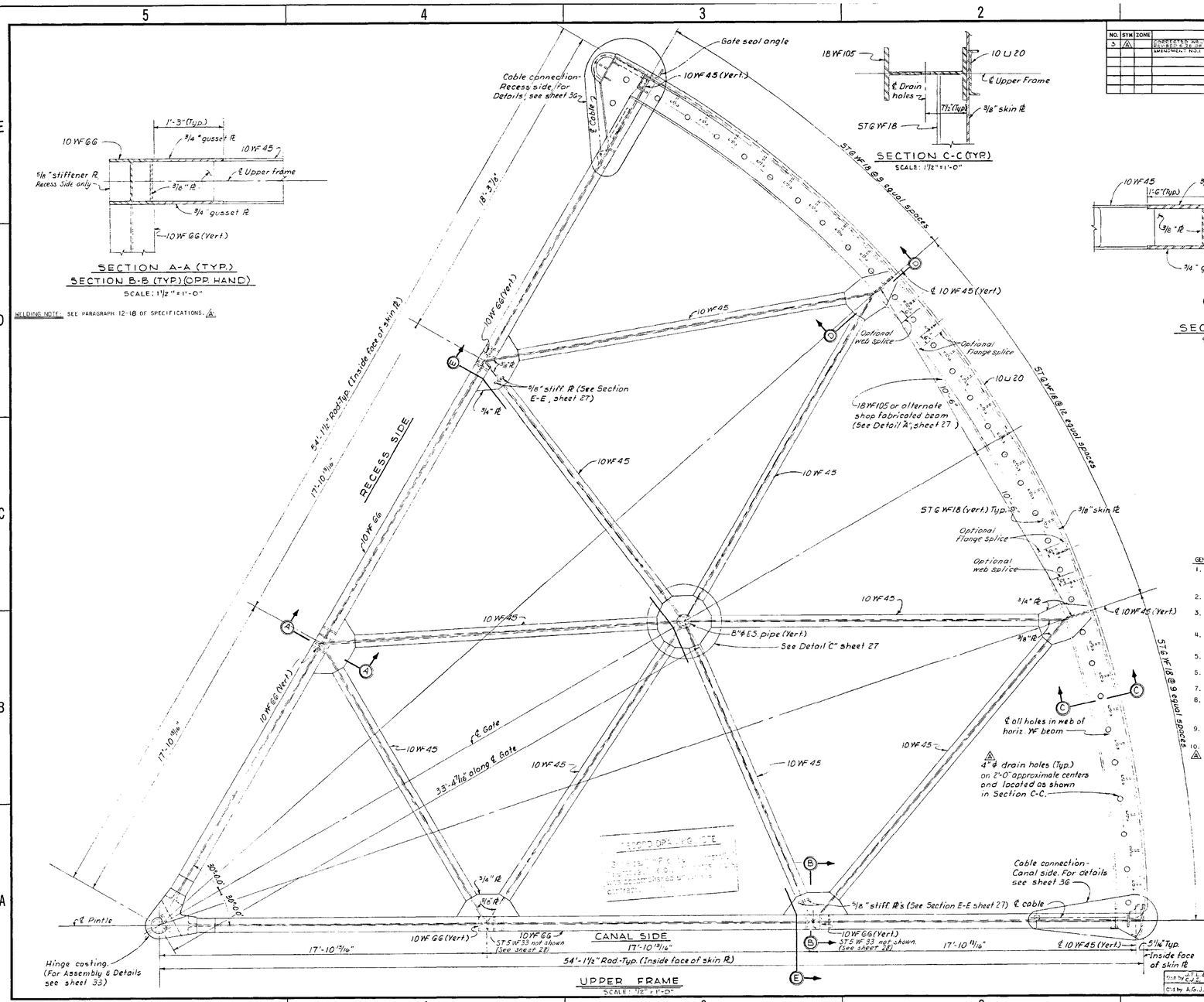
Designed by: M.R.
Drawn by: M.R.
Ckd by: M.R.
Inv. No.
Scale: AS SHOWN
Dated MAR 2003
D.O.FILE NO. 90C-38,319

File name: CANLKRPXXXX0408.DGN
Reference files: CANLKRPXXXXBRDR.DGN 24-74EDITED.TIF

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
METAL
COVER PLATES AND JUNCTION BOXES

DRAWING NO.
4/8

.../dms01903/canlkrpxxxx0408.dgn 05/04/2004 08:10:45 AM



REVISIONS					
NO.	SYM	ZONE	DESCRIPTION	DATE	APPROVED
3	A		CORRECTED WELDING NOTE. SPEC. REFERENCE AND ADDED A 24" OF REBAR SO AS TO INCORPORATE SHOP FABRICATED BEAM IN ACCORDANCE WITH AMENDMENT NO.1	2-4-04	WHC

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

GENERAL NOTES FOR SECTOR GATES:

1. FOUR COMPLETE SECTOR GATES REQUIRED UNDER THIS CONTRACT: FURNISH TWO EAST AND TWO WEST GATES (ONE EACH AS SHOWN AND DETAILED ON THE FOLLOWING SHEETS AND ONE EACH OPPOSITE HAND).
2. ALL MATERIAL STRUCTURAL STEEL UNLESS OTHERWISE NOTED.
3. ALL MATERIAL NOTED AS CORROSION RESISTING OR CRES SHALL BE CORROSION RESISTING STEEL, TYPE 316, UNLESS SPECIFIED OTHERWISE.
4. ALL BOLTS NUTS AND WASHERS (EXCEPT CORROSION RESISTING STEEL) SHALL BE GALVANIZED.
5. ALL GALVANIZED ITEMS SHALL BE GALVANIZED AFTER FABRICATION.
6. FOR DETAILS ON ATTACHMENT OF CATHODIC PROTECTION SEE SHEETS 70 AND 71.
7. FOR SECTION E-E SEE SHEET 27.
8. ALL CORROSION RESISTING BOLTS AND NUTS SHALL HAVE CORROSION RESISTING WASHERS OF THE TYPE INDICATED ON THE CONTRACT DRAWINGS, (STANDARD, LOCK AND PLATE WASHERS).
9. FOR LOCATION OF OPTIONAL SKIN PLATE SPLICES SEE SHEETS 30 AND 31.
10. FOR WELDING REQUIREMENTS FOR SECTOR GATES, SEE PARAGRAPH 12-18 OF SPECIFICATIONS.

GENERAL NOTE:

1. PAINT ALL FERROUS SURFACES OF AND IN EACH GATE WITH SYSTEM NO. 6-A-Z.
2. A MANATEE DETECTION SYSTEM (NOT SHOWN) WAS ADDED TO THE GATES IN 1999. REMOVAL AND REINSTALLATION BY OTHERS. UNDER SEPARATE CONTRACT.

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: M.W.
Drawn by: M.R.
Checked by: M.W.
Rev. No.:
Scale: AS SHOWN
Dated: MAR 2003
D.O. FILE NO. 90C-38,319

File name: CANLKRPXXXX0501.DGN
Reference files: CANLKRPXXXXBORDER.DGN
25-74DTIED.TIF

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
SECTOR GATES
UPPER FRAME PLAN

DRAWING NO.
5/1

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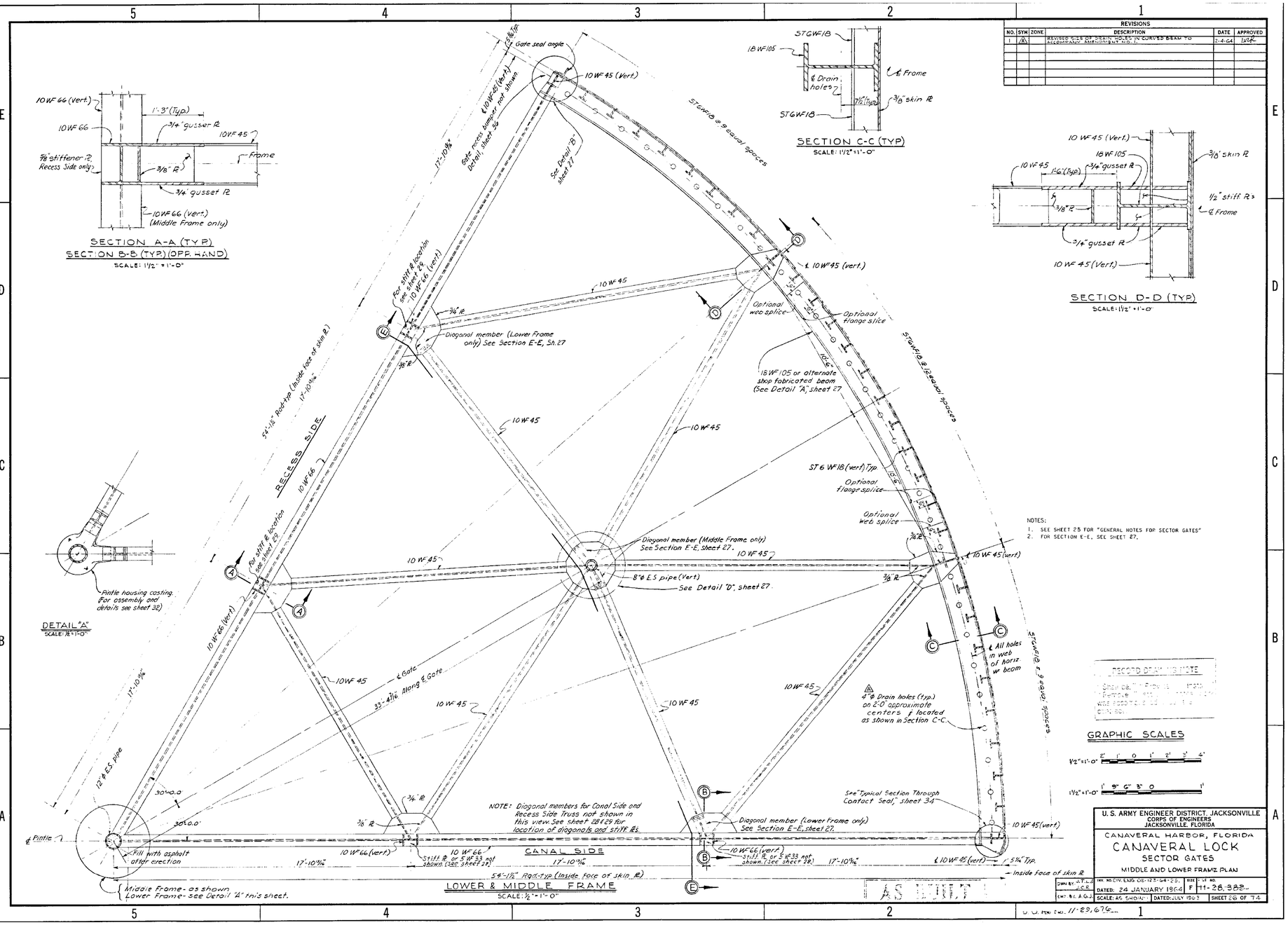
REVISIONS					
NO.	SYM	ZONE	DESCRIPTION	DATE	APPROVED
1	1		REVISED SIZE OF DRAIN HOLES IN CURVED BEAM TO ACCOMODATE DIMENSIONS ETC.	2-4-04	



NOTES:
1. SEE SHEET 25 FOR "GENERAL NOTES FOR SECTOR GATES"
2. FOR SECTION E-E, SEE SHEET 27.

GENERAL NOTE:

1. PAINT ALL FERROUS SURFACES OF AND IN EACH GATE WITH SYSTEM NO. 6-A-Z.

U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
SECTOR GATES
MIDDLE AND LOWER FRAME PLAN

DWN BY: J.T.L.J. CKD BY: R.E.A.G.J.
INV. NO. CIV. ENG. DR-123-64-25
DATED: 24 JANUARY 1964
SIZE: F
U.S. ARMY NO. 11-28,383
SCALE: AS SHOWN
DATED: JULY 1963
SHEET 26 OF 74

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: M.R.
Dwn by: M.R.
Ckd by: M.W.
Inv. No.
Scale: AS SHOWN
Dated MAR 2003
D.O. FILE NO. 90C-38,319

File name: CANLKRPXXXX0502.DGN
Reference files: CANLKRPXXXXBORDR.DGN 26-74EDITED.TIF

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
SECTOR GATES
MIDDLE AND LOWER FRAME PLAN

DRAWING NO.
5/2

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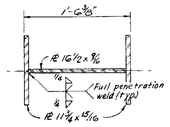
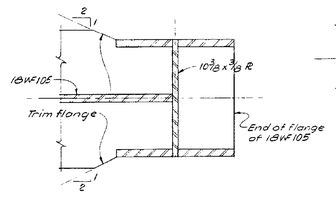
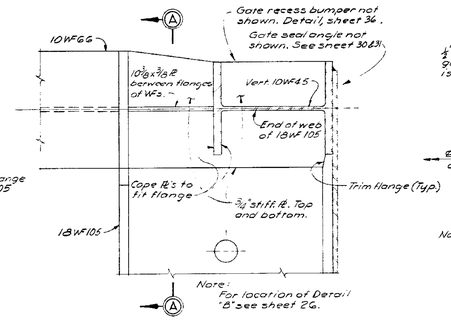


DETAIL "A"
SCALE: 1 1/2" = 1'-0"

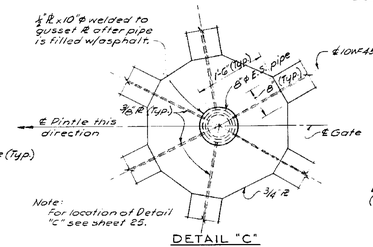
Notes:
1. PL's shown above to be shop fabricated. At the contractor's option an 18WF105 beam may be used.
2. For location of beam shown above see sheet 25 and 26.



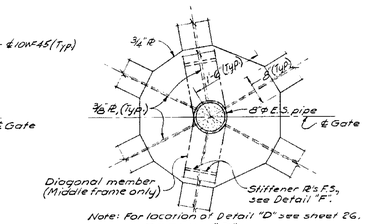
SECTION A-A
SCALE: 3" = 1'-0"



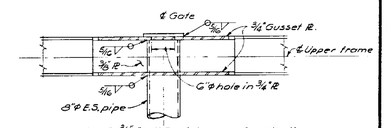
DETAIL "B"
SCALE: 3" = 1'-0"



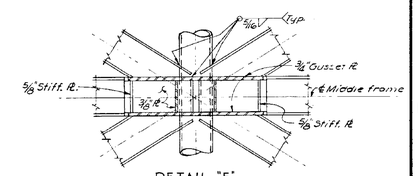
DETAIL "C"
SCALE: 1" = 1'-0"



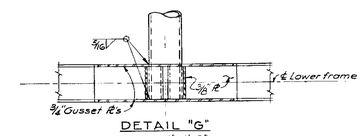
DETAIL "D"
SCALE: 1" = 1'-0"



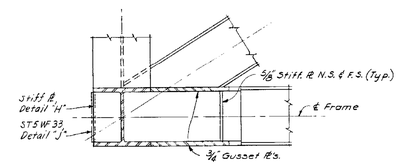
DETAIL "E"
SCALE: 1" = 1'-0"



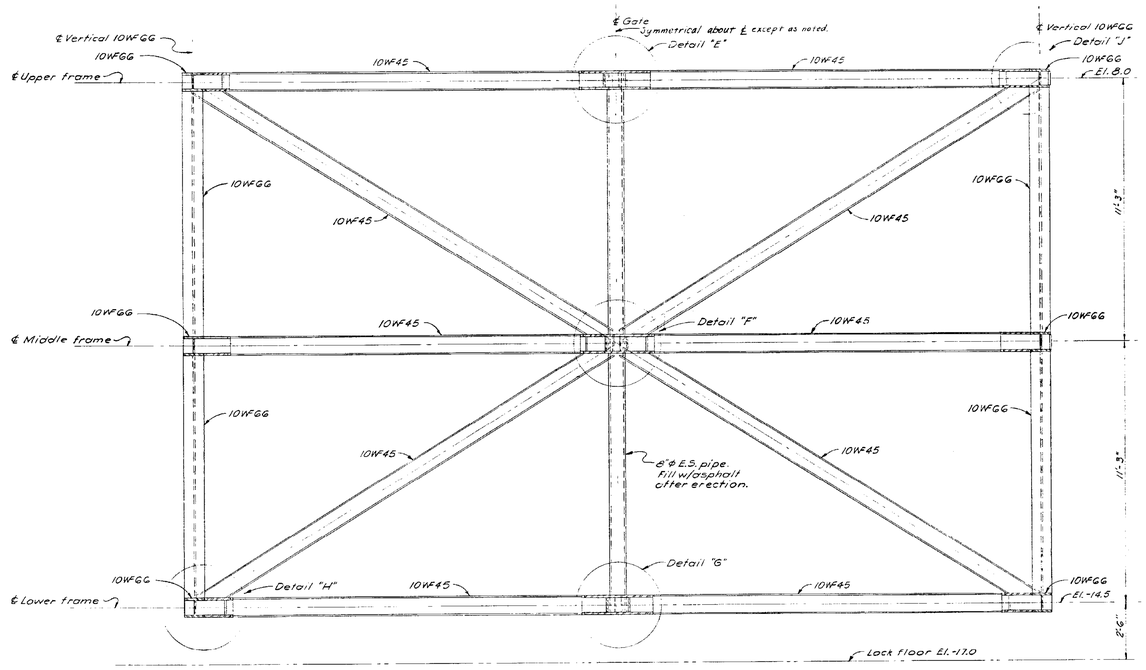
DETAIL "F"
SCALE: 1" = 1'-0"



DETAIL "G"
SCALE: 1" = 1'-0"



DETAIL "H" (TYP.)
DETAIL "J" - SIMILAR
SCALE: 1 1/2" = 1'-0"



Note: For location of Section E-E, see sheet 25 and 26.

SECTION E-E
SCALE: 1/2" = 1'-0"
EAST GATES AS SHOWN
WEST GATES SIMILAR

NOTES:
1. SEE SHEET 25 FOR "GENERAL NOTES FOR SECTOR GATES."

GRAPHIC SCALES

1/2" = 1'-0" 2' 1' 0 1' 2' 3' 4'
1" = 1'-0" 1' 6" 0 1' 2'
1 1/2" = 1'-0" 1' 9" 6" 3" 0 1'
3" = 1'-0" 0 3' 6' 9' 1'

GENERAL NOTE:

1. PAINT ALL FERROUS SURFACES OF AND IN EACH GATE WITH SYSTEM NO. 6-A-Z.

AS BUILT

U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
SECTOR GATES
SECTIONS AND DETAILS

Dwn by J.T.L. | Ckd by A.G.J. | INV. NO. CIV ENG 03-123-64-25 | DATED: 24 JANUARY 1964 | SIZE F | DWG. NO. H-28,363 | SCALE: AS SHOWN | DATED: JULY 1962 | SHEET 27 OF 74

U.S. Hist. No. 11-29,676

REVISIONS

NO.	SYM	ZONE	DESCRIPTION	DATE	APPROVED

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No. | Symbol | Zone | Description | Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

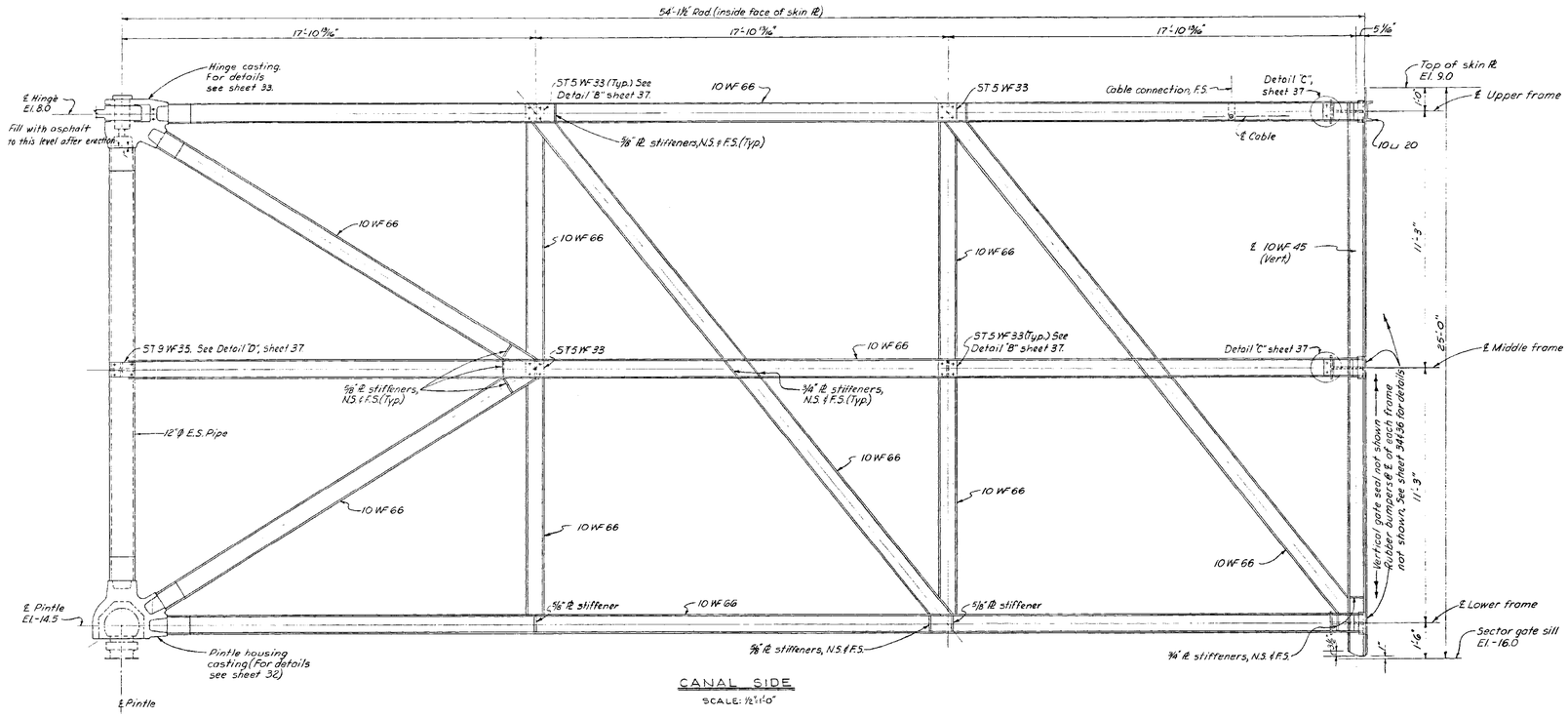
Designed by: M.W.Br. | Inv. No.:
Dwn by: M.R. | Ckd by: M.W. | Scale: AS SHOWN
File name: CANLKRPXXXX0503.DGN
Reference files: CANLKRPXXXXBRDR.DGN, 27-74EDITED.TIF
Dated: MAR 2003
D.O. FILE NO. 90C-38,319

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
SECTOR GATES
DETAILS

DRAWING NO.
5/3

.../dms01903/canlkrpxxxx0503.dgn 05/04/2004 07:37:48 AM

REVISIONS					
NO.	SYM	ZONE	DESCRIPTION	DATE	APPROVED



CANAL SIDE

SCALE: 1/2"=1'-0"

EAST GATES-AS SHOWN
WEST GATES-SIMILAR

GENERAL NOTES:

1. PAINT ALL FERROUS SURFACES OF AND IN EACH GATE WITH SYSTEM NO. 6-A-2.
2. MANATEE PROTECTION ADDED BY 1986 CONTRACT. SEE DWG. NOS. 5/17, 5/18, AND 5/19.

NOTE:

1. SEE SHEET 25 FOR "GENERAL NOTES FOR SECTOR GATES.

RECORD DRAWING PLATE
AS BUILT

GRAPHIC SCALE
1/2"=1'-0"
2' 1' 0 1' 2' 3' 4'

U.S. ARMY ENGINEER DISTRICT, JACKSONVILLE
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
SECTOR GATES
CANAL SIDE TRUSS ELEVATION

INV. NO. CIV ENG. 08-123-66-25. | SIZE F | FILE NO. ~~11-28,333~~
DATED: 24 JANUARY 1964 | SHEET 25 OF 74
SCALE: AS SHOWN | DATED: JULY 1963
Drawn by J.T.L.
Checked A.G.J.

D. O. File No. 11-85,676

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: M.W.A.
Drawn by: M.R.
Cad by: M.W.
Inv. No.:
Scale: AS SHOWN
Dated: MAR 2003
D.O.-FILE NO. 90C-38,319

File name: CNALKRPXXXX0504.DGN
Reference files: CANALKRPXXXXBORDER.DGN 28-74EDITED.TIF

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
SECTOR GATES
CANAL SIDE TRUSS ELEVATION

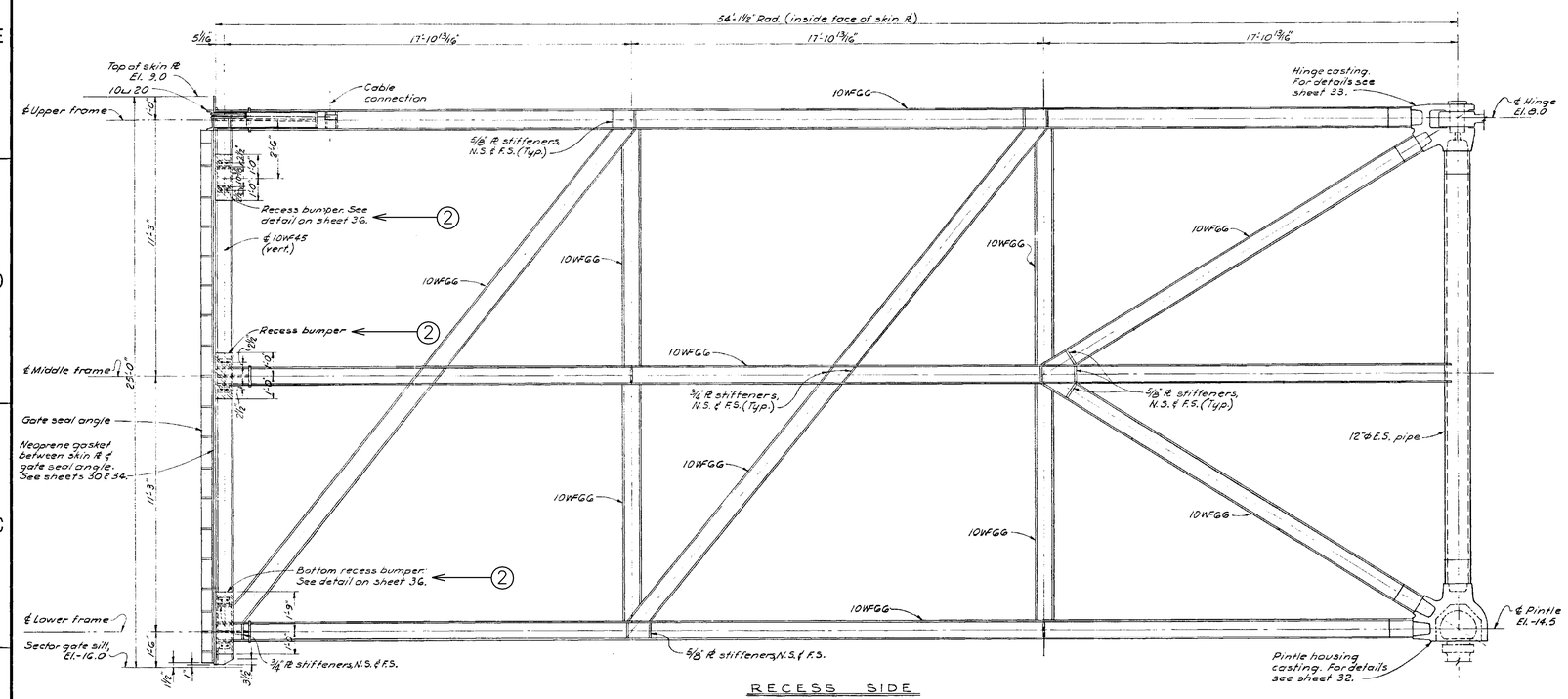
DRAWING NO.
5/4

.../dms01903/canlkrpxxxx0504.dgn 05/04/2004 07:38:37 AM

REVISIONS					
NO.	SYM	ZONE	DESCRIPTION	DATE	APPROVED

KEY NOTES:

1. PAINT ALL FERROUS SURFACES OF AND IN EACH GATE WITH SYSTEM NO. 6-A-2.
2. REMOVE RECESS BUMPERS PRIOR TO PAINTING AND REINSTALL.



RECESS SIDE

SCALE: 1/2" = 1'-0"

1 → EAST GATES - AS SHOWN
→ WEST GATES - SIMILAR

NOTE:

1. SEE SHEET 25 FOR "GENERAL NOTES FOR SECTOR GATES".

GRAPHIC SCALES

1/2" = 1'-0" 2' 1' 0 1' 2' 3' 4'

AS BUILT

U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
SECTOR GATES
RECESS SIDE TRUSS ELEVATION

Drawn by J.T.L.
Chk'd by A.S.
INV. NO. CIV ENG 05-123-64-25
DATED: 24 JANUARY 1964
SIZE F
DWG. NO. 11-28,333
SCALE: AS SHOWN
DATED: JULY 1965
SHEET 29 OF 74

D.O. File No. 11-29,676

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

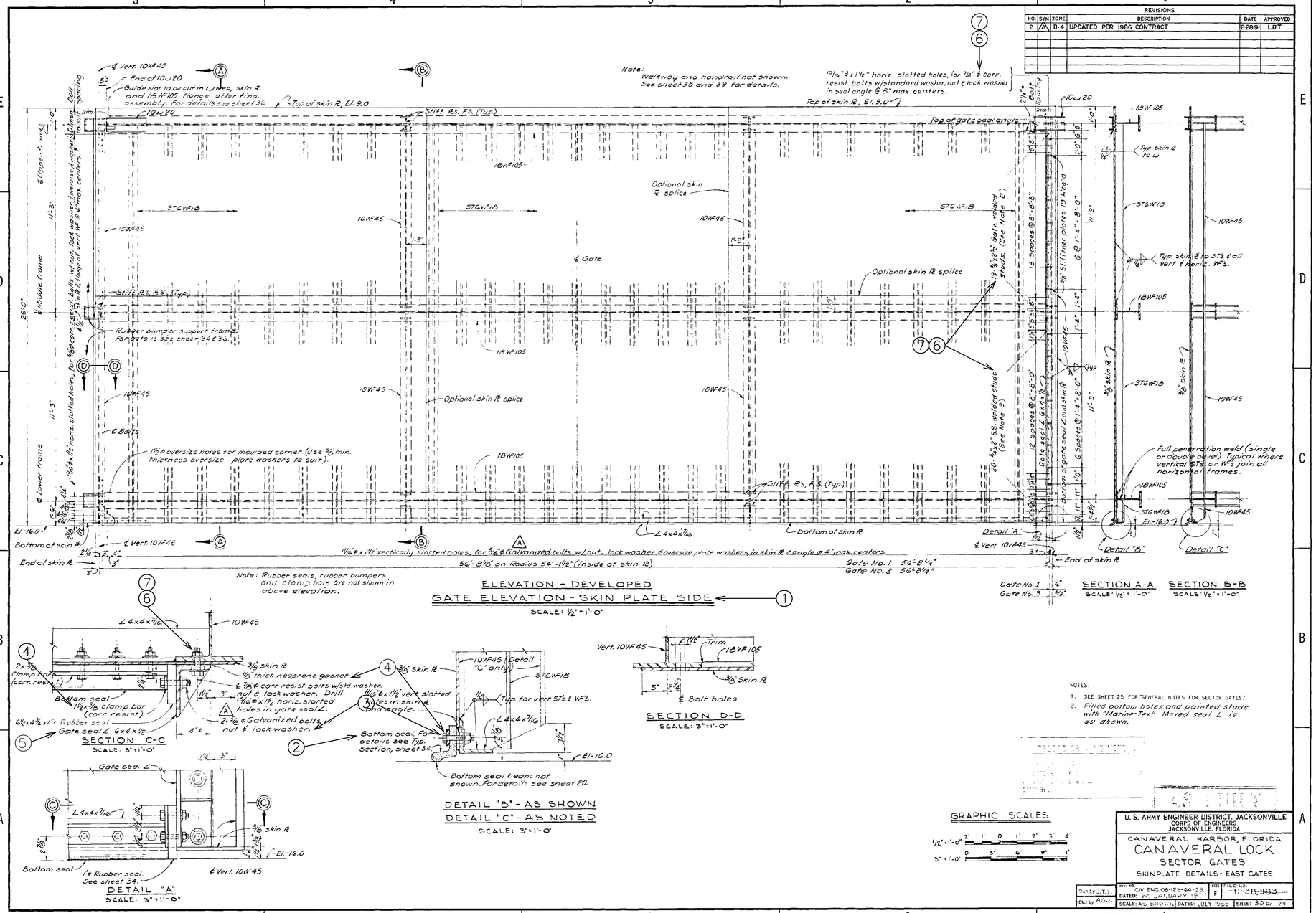
Designed by: M.R.
Drn. by: M.R.
Chk'd by: M.W.
Inv. No.
Scale: AS SHOWN
File name: CANLKRPXXXX0505.DGN
Reference files: CANLKRPXXXXBORE.DGN 29-74EDITED.TIF
Dated: MAR 2003
D.O. FILE NO. 90C-38,319

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS
SECTOR GATES
RECESS SIDE TRUSS ELEVATION

DRAWING NO.
5/5

.../dms01903/canlkrpxxxx0505.dgn 05/04/2004 08:12:02 AM

REVISIONS					
NO.	SYM	ZONE	DESCRIPTION	DATE	APPROVED
2	A	B-4	UPDATED PER 1986 CONTRACT	2-28-91	LBT



ELEVATION - DEVELOPED

GATE ELEVATION - SKIN PLATE SIDE

SCALE: 1/2" = 1'-0"

SECTION A-A

SCALE: 1/2" = 1'-0"

SECTION B-B

SCALE: 1/2" = 1'-0"

SECTION C-C

SCALE: 3" = 1'-0"

DETAIL "A"

SCALE: 3" = 1'-0"

DETAIL "B" - AS SHOWN

DETAIL "C" - AS NOTED

SCALE: 3" = 1'-0"

SECTION D-D

SCALE: 3" = 1'-0"

NOTES:

1. SEE SHEET 25 FOR "GENERAL NOTES FOR SECTOR GATES."
2. Filled bottom holes and painted studs with "Mortar-Tex." Moved seal L is as shown.

GRAPHIC SCALES

1/2" = 1'-0"

3" = 1'-0"

U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CANAVERAL HARBOR, FLORIDA

CANAVERAL LOCK

SECTOR GATES

SKINPLATE DETAILS - EAST GATES

Dainty J.T.L. | CIV ENG 08-125-64-25 | SIZE F | FILE NO. 11-28,383

Ckd by AGW | DATED: 27 JANUARY 1965 | SCALE: AS SHOWN | DATED: JULY 1965 | SHEET 30 OF 74

D. O. File No. 11-28,676

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

KEY NOTES:

1. PAINT ALL FERROUS SURFACES OF AND IN EACH GATE WITH SYSTEM NO. 6-A-Z.
2. REPLACE BOTTOM SEALS FOR EACH GATE; TEFLON CLADDING REQUIRED.
3. REPLACE FASTENERS WITH STAINLESS STEEL FASTENERS.
4. REUSE MATERIAL.
5. REMOVE EACH GATE SEAL ANGLE, PAINT WITH SYSTEM NO. 6-A-Z, AND REINSTALL. PAINT SKIN PLATE WHILE SEAL ANGLES ARE REMOVED.
6. THE 7/8" DIAMETER STAINLESS STEEL FASTENERS USED TO FASTEN THE GATE SEAL ANGLE TO THE GATE WERE CHANGED TO 3/4" STUDS UNDER THE ORIGINAL CONTRACT.
7. REPLACE STAINLESS STEEL AND GALVANIZED LOCK WASHERS AND NUTS ON STUDS. USE STAINLESS STEEL LOCK WASHERS AND NUTS ON STAINLESS STEEL STUDS AND GALVANIZED LOCK WASHERS AND NUTS ON GALVANIZED STUDS

No.	Symbol	Zone	Description	Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Inv. No.

Scale: AS SHOWN

Designed by: M.R.

Dwn by: M.R.

Ckd by: M.W.

Dated MAR 2003

D.O. FILE NO. 90C-38,319

File name: CAN.K69XXXX0506.DGN

Reference files: CAN.K69XXXX0808R.DGN
30-74EDITED.TIF

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS

SECTOR GATES
SKIN PLATE DETAILS - EAST GATES

DRAWING NO.

5/6

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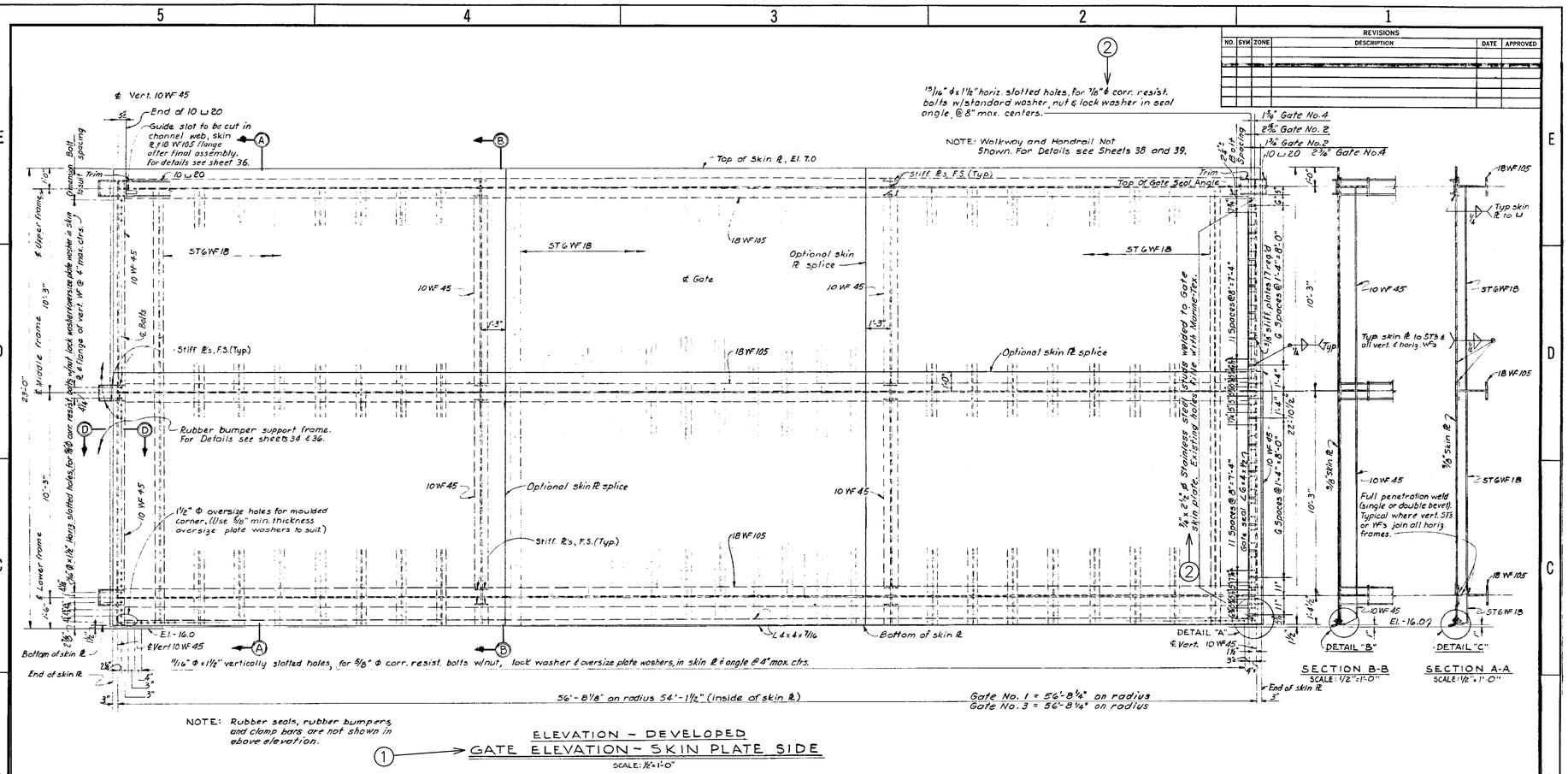

REVISIONS					
NO.	SYM	ZONE	DESCRIPTION	DATE	APPROVED

KEY NOTES:

1. PAINT ALL FERROUS SURFACES OF AND IN EACH GATE WITH SYSTEM NO. 6-A-Z.
2. THE 7/8" DIAMETER STAINLESSS STEEL FASTENERS USED TO FASTEN THE GATE SEAL ANGEL TO THE GATE WERE CHANGED TO 3/4" STUDS UNDER THE ORIGINAL CONTRACT.

NOTES:

1. SEE SHEET 25 FOR "GENERAL NOTES FOR SECTOR GATES."
2. FOR SECTION D-D AND DETAILS "A", "B" AND "C", SEE SHEET 30.

GRAPHIC SCALE

1/2" = 1'-0" 2' 1' 0 1' 2' 3' 4'

AS BUILT

U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
SECTOR GATES
SKINPLATE DETAILS - WEST GATES

Dwn by J.T.L.	INV. NO. CIV ENG.08-123-64-25. DATED: 24 JANUARY 1962	SIZE F	F.L.E. NO. 11-28,383
Ck'd by A.G.W.	SCALE: AS SHOWN	DATED: JULY 1963	SHEET 31 OF 74

D. O. File No. 11-29,676

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: M.R.
Dwn by: M.R.
Ckd by: M.W.
Inv. No.
Scale: AS SHOWN
Dated MAR 2003
D.O. FILE NO. 90C-38,319

File name: CANLKRPXXXX0507.DGN
Reference files: CANLKRPXXXXBRDR.DGN 31-74EDITED.TIF

CANAVERAL HARBOR, FLORIDA
CANAVERAL LOCK
PAINTING AND OTHER REPAIRS

SECTOR GATES
SKIN PLATE DETAILS - WEST GATES

DRAWING NO.
5/7

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