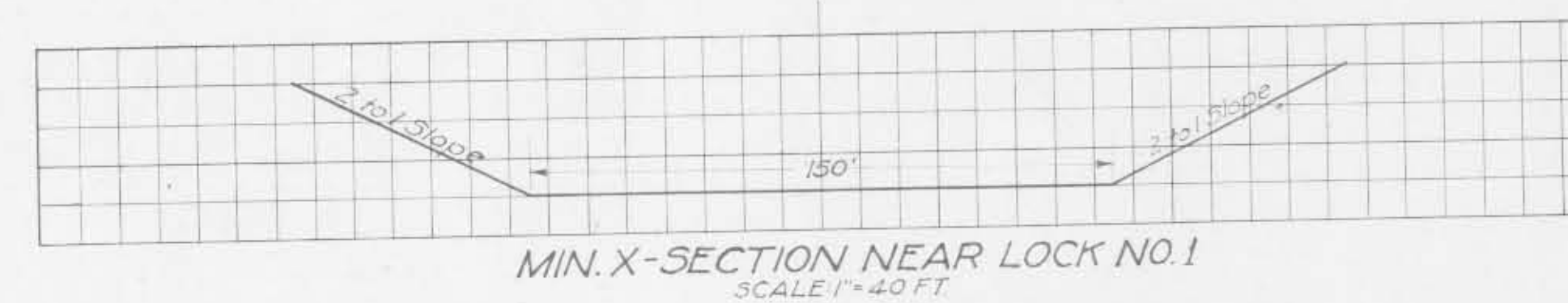
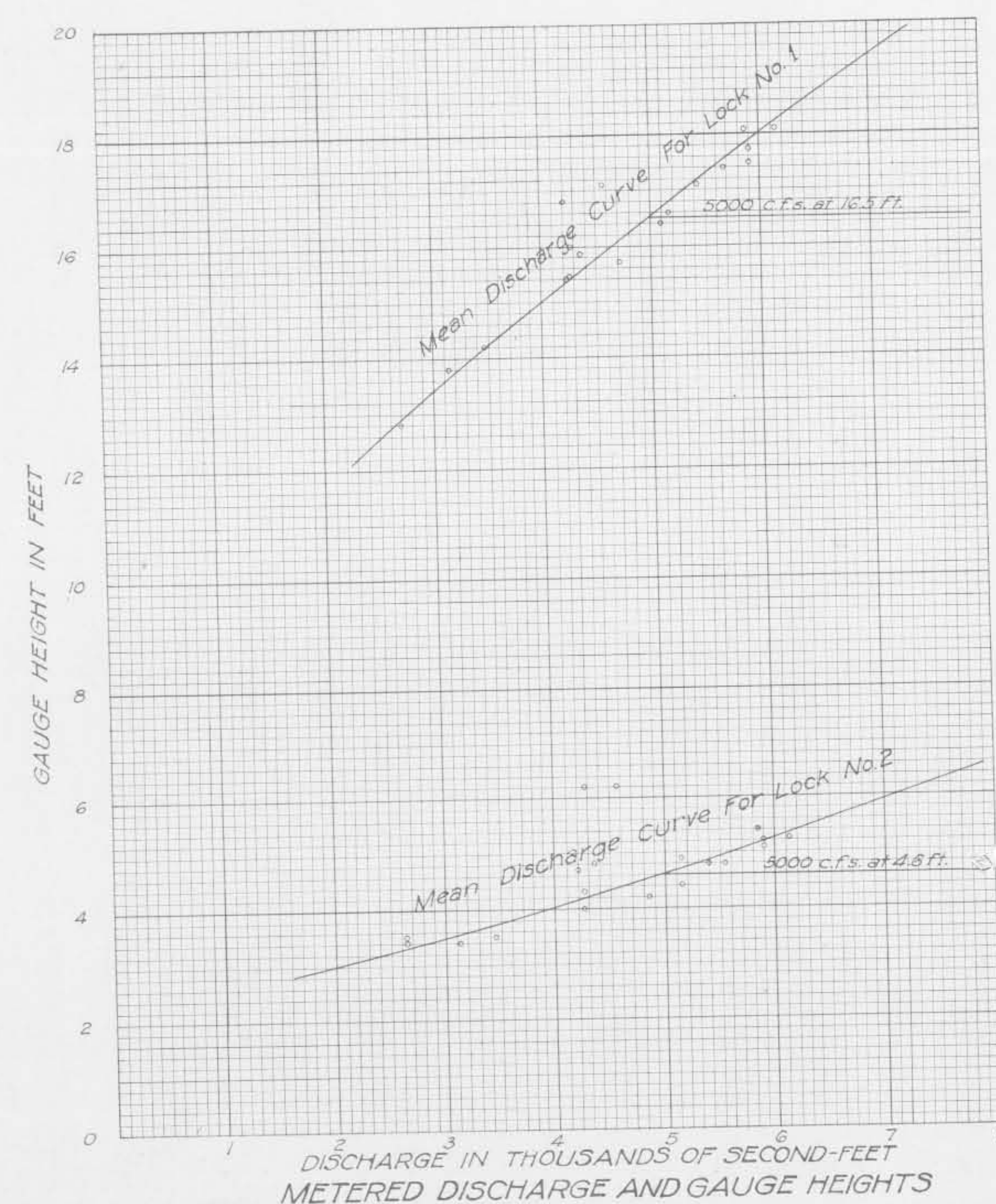
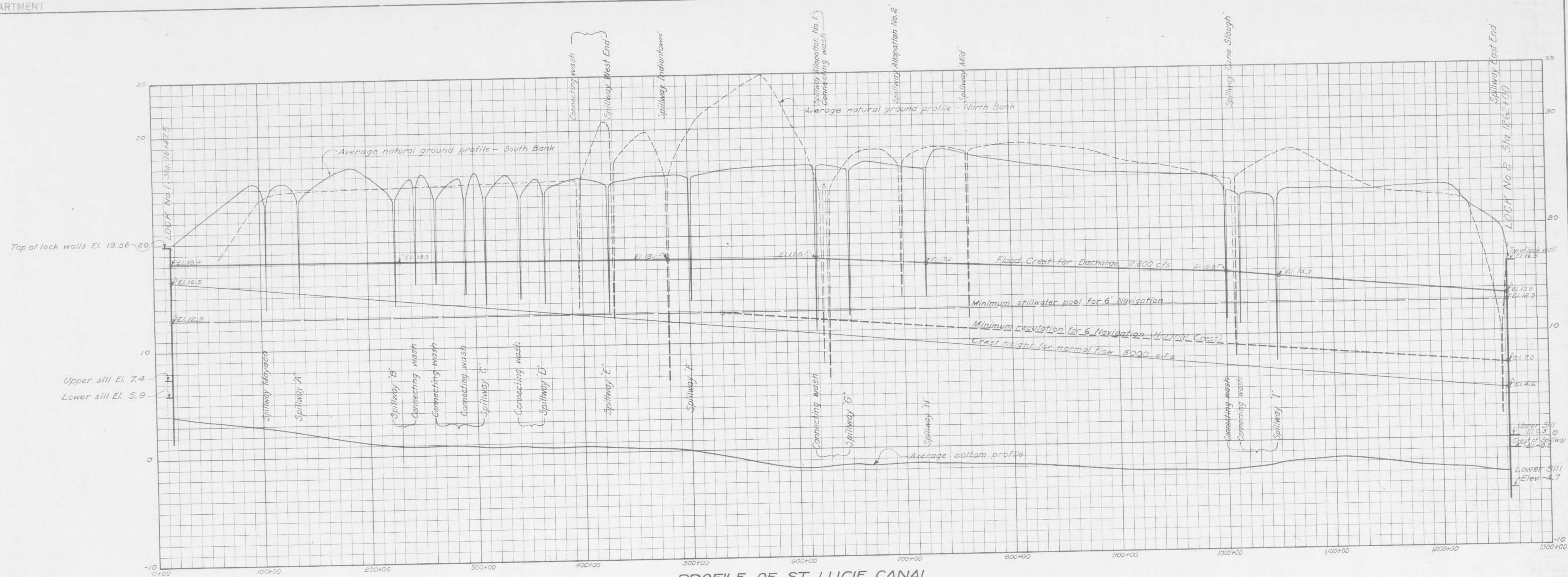


WAR DEPARTMENT



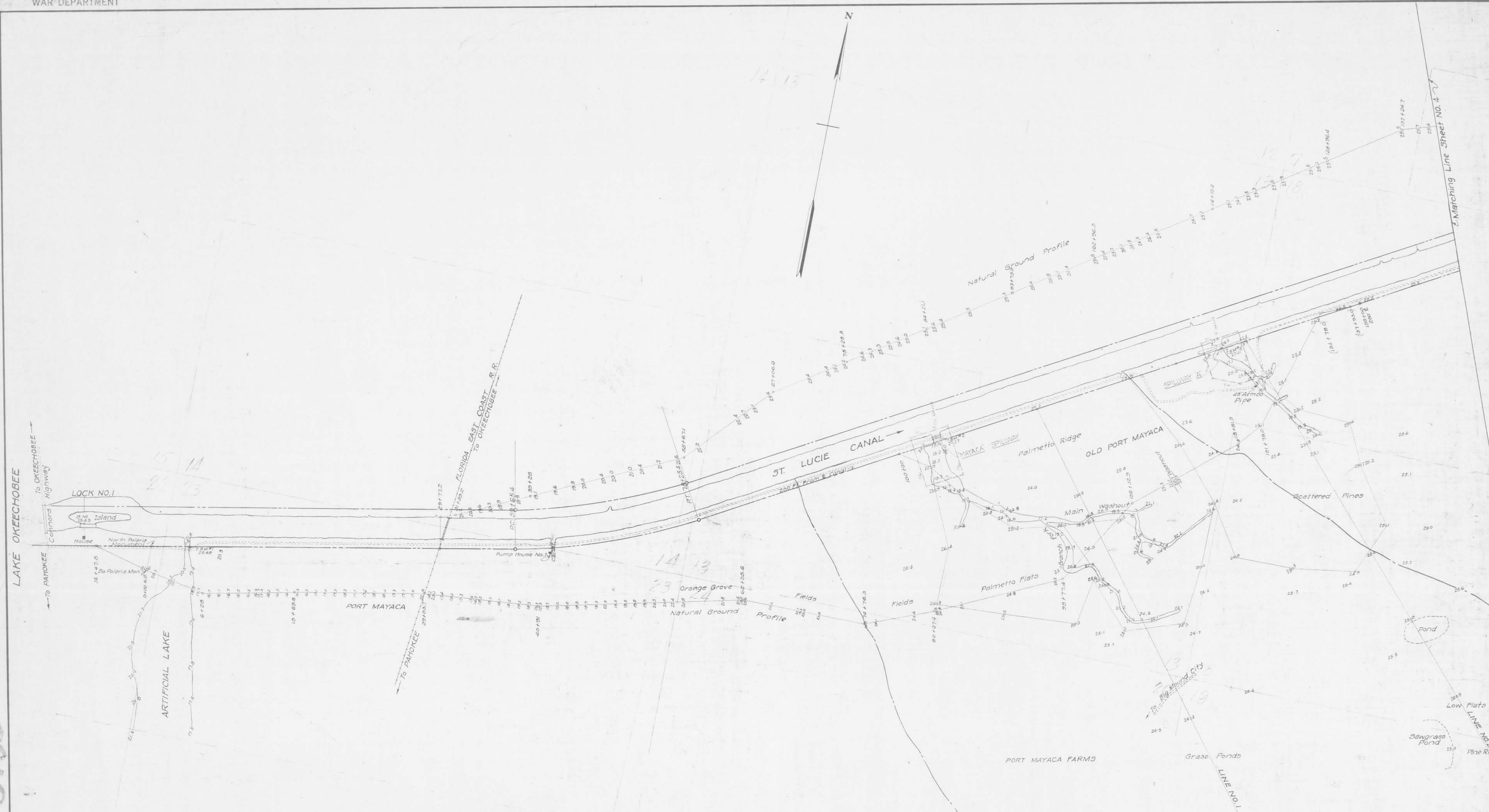
CALOOSAHATCHEE RIVER AND LAKE
 OKEECHOBEE DRAINAGE AREAS, FLORIDA.
 ST. LUCIE CANAL DRAINAGE SPILLWAYS
 PROFILE OF CANAL BETWEEN LOCKS 1 AND 2
 AND
 METERED DISCHARGE CURVES
 IN 32 SHEETS SHEET NO. 2
 SCALES: AS INDICATED

APPROVED: DATE JULY 18, 1933
 OKEECHOBEE FLOOD CONTROL DISTRICT
 BY: *George B. Smith*
 CONSULTING ENGINEER

U. S. ENGINEER OFFICE, JACKSONVILLE, FLORIDA, FEBRUARY 1932.
 SUBMITTED: *George B. Smith*
 RECOMMENDED FOR APPROVAL: *Lawrence T. Brown*
 APPROVED: *Lawrence T. Brown*
 DRAWN BY: *Ed. J. Smith*
 TRACED BY: *Ed. J. Smith*
 CHECKED BY: *Ed. J. Smith*
 FILE NO. 152-9199
 To Accompany Specifications
 Dated: Aug. 16, 1934.

1208-9199

HE-056



NOTE:
All Elevations refer to Mean Low Water Punta Rasa,
Florida, as Datum.

**CALOOSAHATCHEE RIVER AND LAKE
OKEECHOBEE DRAINAGE AREAS, FLORIDA.
ST. LUCIE CANAL DRAINAGE SPILLWAYS
DRAINAGE AREAS**

STA 11 TO STA 161
IN 32 SHEETS SHEET NO. 3 SCALE: 1"=400'

U. S. ENGINEER OFFICE, JACKSONVILLE, FLORIDA, FEBRUARY, 1932.

APPROVED	DATE JULY 18, 1933.	SUBMITTED:	RECOMMENDED FOR APPROVAL:	APPROVED:
OKEECHOBEE FLOOD CONTROL DISTRICT.				
BY <i>George B. Miller</i>				
CONSULTING ENGINEER				
DRAWN BY: <i>W. M. M.</i>		FILE NO. 152-9199		
CHECKED BY: <i>W. M. M.</i>		To Accompany Specifications Dated: Aug. 16, 1934.		

1208-9199

HE-056

120B-9199



CALOOSAHATCHEE RIVER AND LAKE OKEECHOBEE DRAINAGE AREAS, FLORIDA.
ST. LUCIE CANAL DRAINAGE SPILLWAYS
DRAINAGE AREAS
STA. 161 TO STA. 312

IN 32 SHEETS SHEET NO. 4 SCALE: 1"=400'

U. S. ENGINEER OFFICE, JACKSONVILLE, FLORIDA, FEBRUARY, 1932.

APPROVED: DATE JULY 18, 1933
 OKEECHOBEE FLOOD CONTROL DISTRICT.

BY: *John B. Niles*
 CONSULTING ENGINEER

SUBMITTED: *E. B. Schmitt*
 ASSOCIATE ENGINEER

RECOMMENDED FOR APPROVAL: *Bartholomew Wilson*
 CIVIL ENGINEER

APPROVED: *[Signature]*
 AT COL. CORPS OF ENGINEERS

DRAWN BY: *[Signature]*
 CHECKED BY: *[Signature]*

FILE NO. 152-9199-
 To Accompany Specifications
 Dated: Aug. 16, 1934.

120B-9199

120B-9199



**CALOOSAHATCHEE RIVER AND LAKE
OKEECHOBEE DRAINAGE AREAS, FLORIDA.**
ST LUCIE CANAL DRAINAGE SPILLWAYS
DRAINAGE AREAS
STA. 312 TO STA. 442

IN 32 SHEETS SHEET NO. 5 SCALE: 1"=400'
GRAPHIC SCALE

U.S. ENGINEER OFFICE, JACKSONVILLE, FLORIDA, FEBRUARY, 1932

APPROVED DATE JULY 18, 1933.
OKEECHOBEE FLOOD CONTROL DISTRICT.
BY *G. W. Hill*
CONSULTING ENGINEER

FILE NO. 152-9199
To Accompany Specifications
Dated: Aug. 16, 1934.

120B-9199

120B-9199



CALOOSAHATCHEE RIVER AND LAKE OKEECHOBEE DRAINAGE AREAS, FLORIDA.
ST LUCIE CANAL DRAINAGE SPILLWAYS
DRAINAGE AREAS
STA. 442 TO STA. 589

32 SHEETS SHEET NO. 6 SCALE 1"=400'

U. S. ENGINEER OFFICE, JACKSONVILLE, FLORIDA, FEBRUARY, 1932.

APPROVED DATE JULY 18, 1933
 OKEECHOBEE FLOOD CONTROL DISTRICT

BY *James A. Hill* CONSULTING ENGINEER

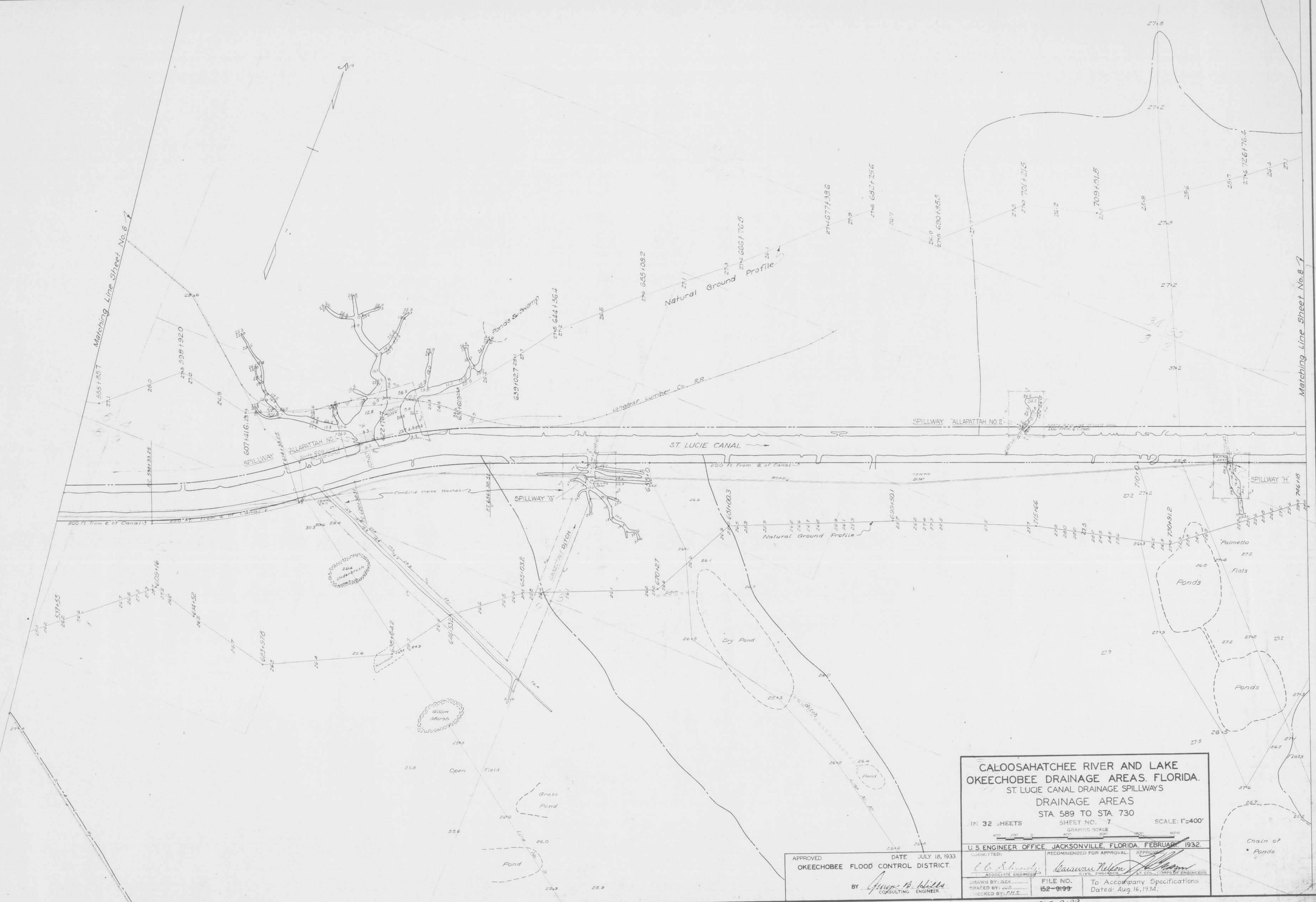
DRAWN BY: W.E.S. FILE NO. 152-9199
 TRACED BY: J.M.T. To Accompany Specifications
 CHECKED BY: J.M.T. Dated: Aug. 16, 1934.

120B-9199

120B-9199

Matching Line Sheet No. 6

Matching Line Sheet No. 7



CALOOSAHATCHEE RIVER AND LAKE OKEECHOBEE DRAINAGE AREAS, FLORIDA.
ST. LUCIE CANAL DRAINAGE SPILLWAYS
DRAINAGE AREAS
STA. 589 TO STA. 730

IN 32 SHEETS SHEET NO. 7 SCALE: 1"=400'

U.S. ENGINEER OFFICE, JACKSONVILLE, FLORIDA, FEBRUARY, 1932.

APPROVED: DATE JULY 18, 1933
 OKEECHOBEE FLOOD CONTROL DISTRICT.

BY: *John B. Hill*
 CONSULTING ENGINEER

DRAWN BY: *J.H.E.*
 TRACED BY: *J.H.E.*
 CHECKED BY: *J.H.E.*

FILE NO. 152-9199
 To Accompany Specifications
 Dated: Aug. 16, 1934.

120B-9199



120B-9199

**CALOOSAHATCHEE RIVER AND LAKE
OKEECHOBEE DRAINAGE AREAS, FLORIDA.
ST. LUCIE CANAL DRAINAGE SPILLWAYS
DRAINAGE AREAS
STA. 730 TO STA. 880**

32 SHEETS SHEET NO. 8 SCALE: 1"=400'

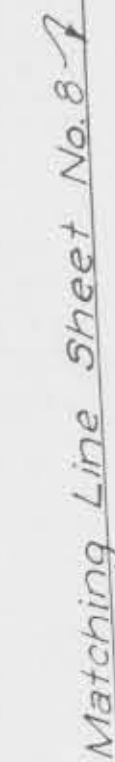
U.S. ENGINEER OFFICE, JACKSONVILLE, FLORIDA, FEBRUARY, 1932.

APPROVED: DATE JULY 18, 1933
OKEECHOBEE FLOOD CONTROL DISTRICT.

BY: *George B. Williams*
CONSULTING ENGINEER

FILE NO. 152-9199
To Accompany Specifications
Dated: Aug. 16, 1934.

120B-9199



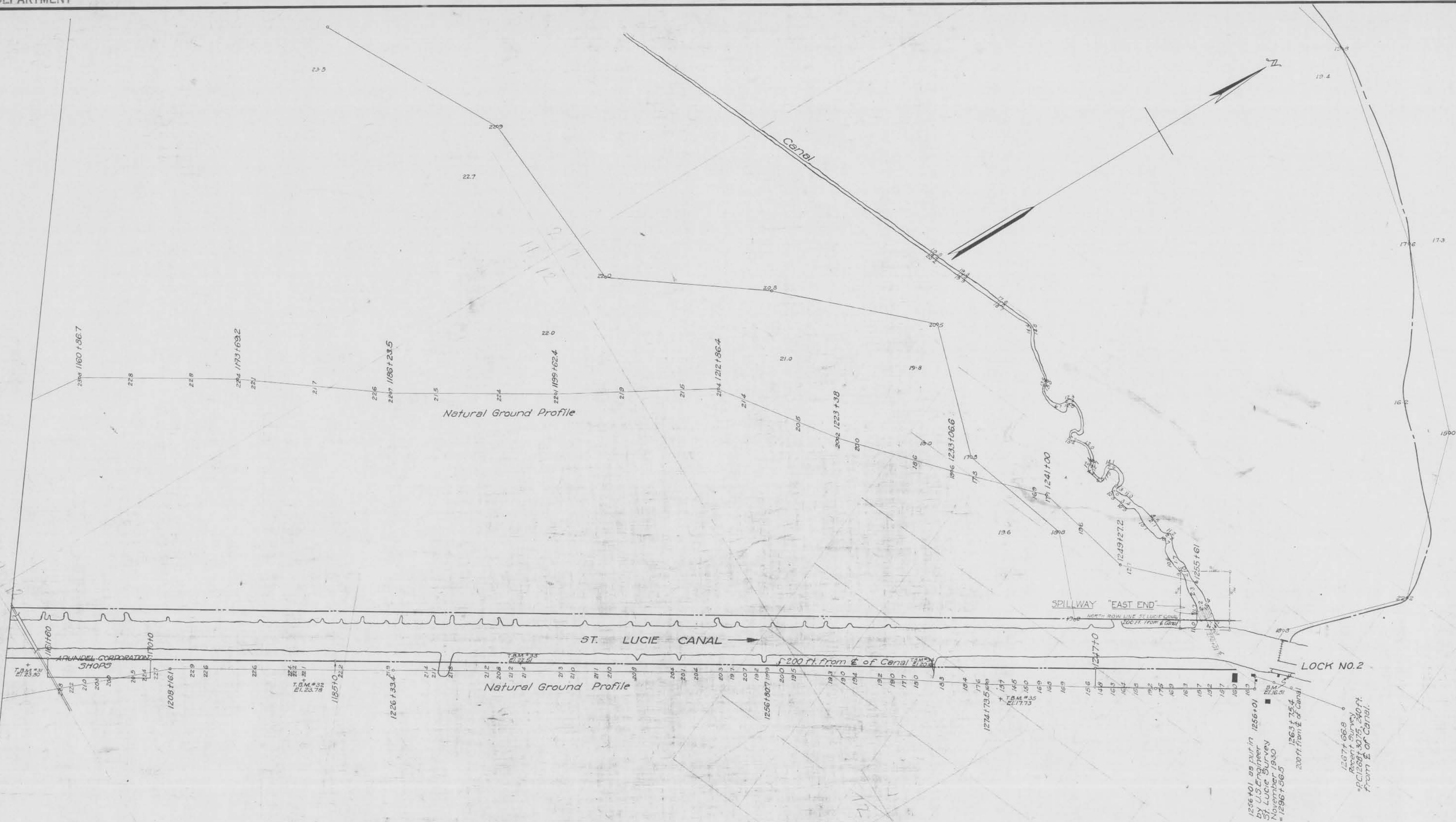
CALOOSAHATCHEE RIVER AND LAKE
OKEECHOBEE DRAINAGE AREAS, FLORIDA
ST. LUCIE CANAL DRAINAGE SPILLWAYS
DRAINAGE AREAS
STA. 880 TO STA. 1031
IN 32 SHEETS SHEET NO. 9 SCALE: 1"=400'
100 200 300 400 500 600 700 800
U.S. ENGINEERING OFFICE, JACKSONVILLE, FLORIDA. FEBRUARY, 1932.
SUBMITTED: RECOMMENDED FOR APPROVAL: APPROVED:
ASSOCIATE ENGINEER CIVIL ENGINEER
DRAWN BY: WCH. FILE NO. To Accompany Specifications
CHECKED BY: FMT. -152-9199- Dated: Aug. 16, 1934.



CALOOSAHAATCHEE RIVER AND LAKE
OKEECHOBEE DRAINAGE AREAS, FLORIDA
ST LUCIE CANAL DRAINAGE SPILLWAYS
DRAINAGE AREAS
STA 1031 TO STA 1159
IN 32 SHEETS SHEET NO. 10 SCALE: 1"=400'
400' 1200' 400' 800' 1600'
U.S. ENGINEER OFFICE, JACKSONVILLE, FLORIDA, FEBRUARY 7, 1932.
DESIGNED BY: *L. C. Schwartz* RECOMMENDED FOR APPROVAL: *Carawan* APPROVED: *[Signature]*
ASSOCIATE ENGINEER CIVIL ENGINEER ST. COL. GOV'T. ENGINEER
DRAWN BY: *[Signature]* FILE NO. _____ To Accompany Specifications
CHECKED BY: *[Signature]* -152-919- Dated: Aug. 16, 1934.

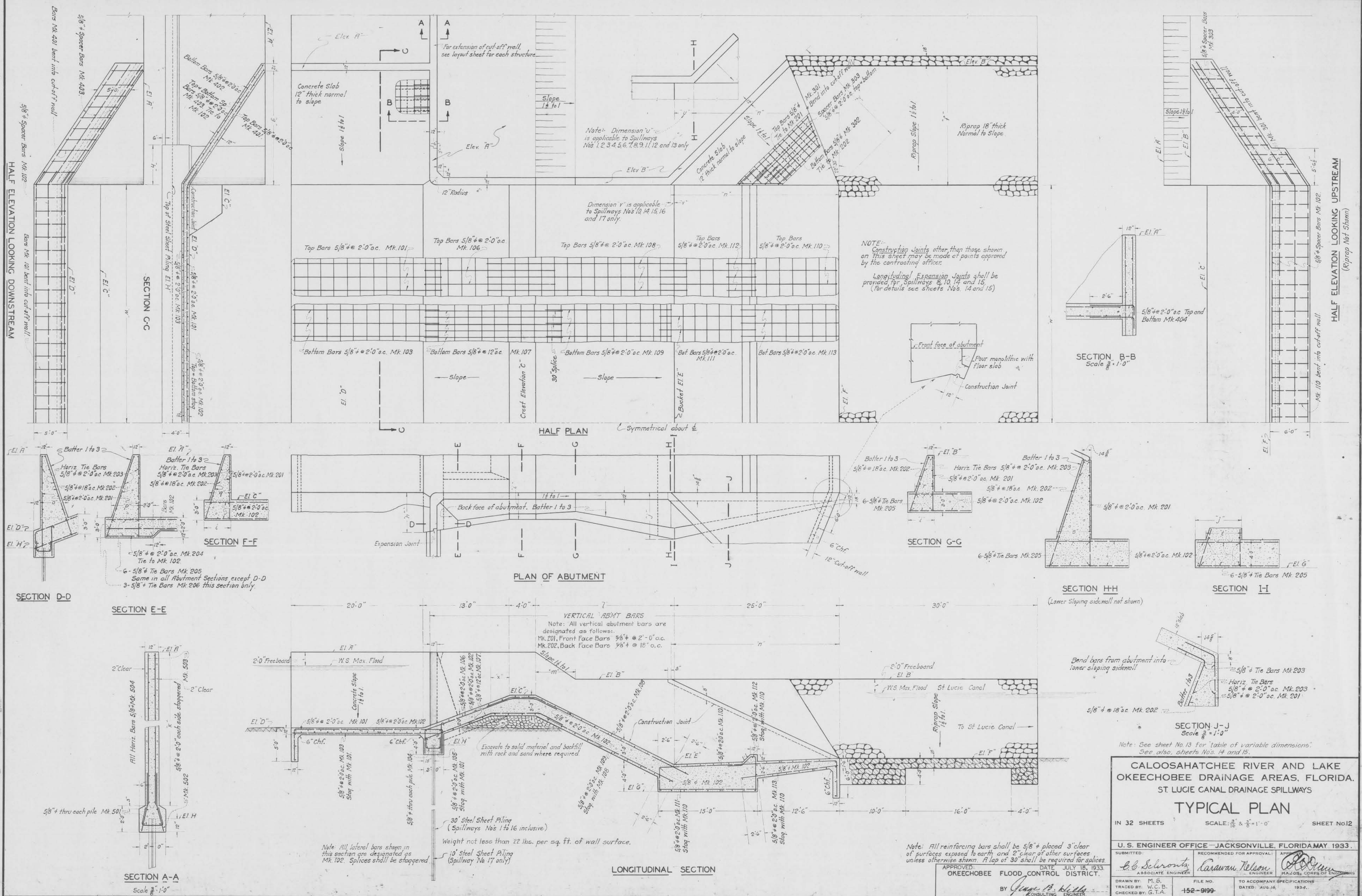
1208-9199

Matching Line Sheet No. 10-4



CALOOSAHATCHEE RIVER AND LAKE OKEECHOBEE DRAINAGE AREAS, FLORIDA. ST. LUCIE CANAL DRAINAGE SPILLWAYS DRAINAGE AREAS STA. 1159 TO STA. 1265			
IN 32 SHEETS	SHEET NO. 11	SCALE: 1"=400'	
U. S. ENGINEER OFFICE, JACKSONVILLE, FLORIDA, FEBRUARY 1932.			
APPROVED: _____ OKEECHOBEE, FLOOD CONTROL DISTRICT.	DATE JULY 18, 1933.	SUBMITTED: _____ ASSOCIATE ENGINEER	RECOMMENDED FOR APPROVAL: _____ BY COL, CORPS OF ENGINEERS
DRAWN BY: _____ TRACED BY: _____ CHECKED BY: _____	FILE NO. 152-9199	To Accompany Specifications Dated: Aug. 16, 1934.	

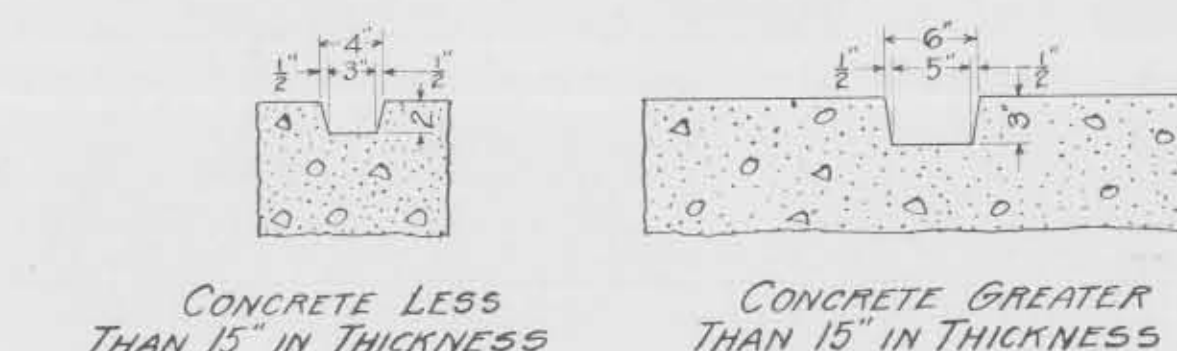
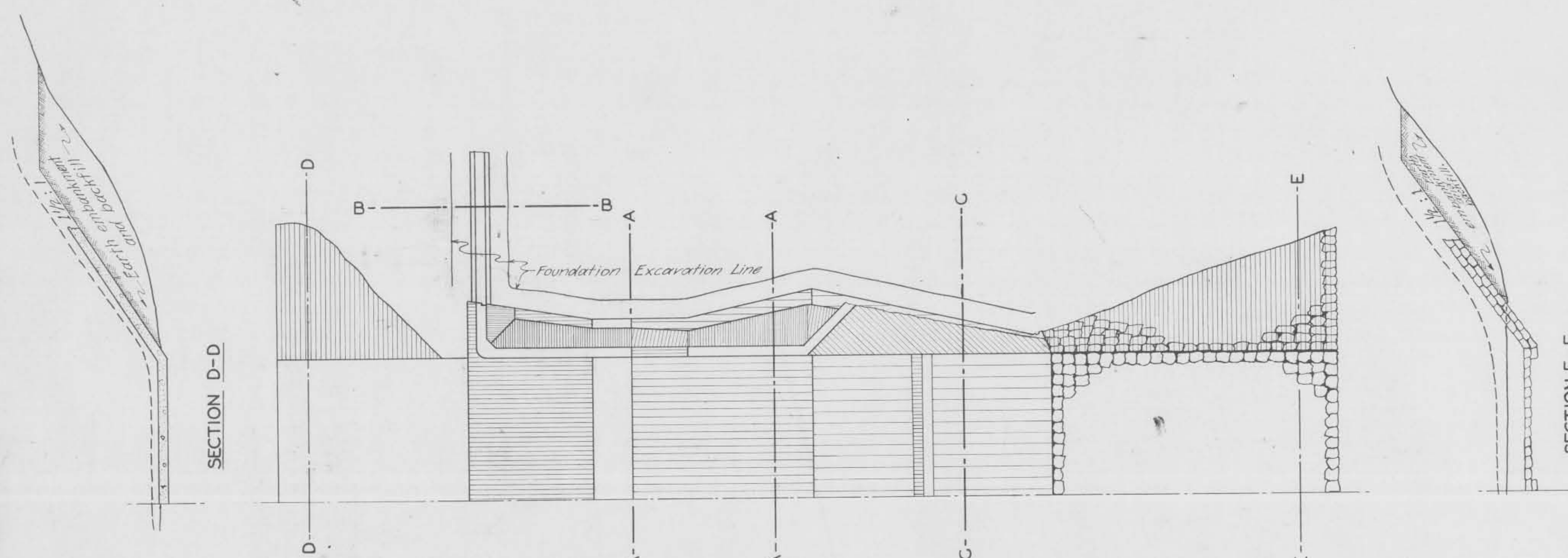
1208-9199



SPILLWAY		STATION	MAX. CAP. C.F.S.	LAYOUT SHEET NO.	PLAN SHOWING VARIABLE DIMENSIONS SHEET NO.	ELEVATIONS*											DIMENSIONS																		
NO.	DESIGNATION					"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"	"J"	"K"	"L"	"M"	"N"	"O"	"P"	"Q"	"R"	"S"	"T"	"U"	"V"	"W"	"X"						
1.	"Mayaca"	104+08	528	16	14	24.8	20.0	18.4	15.0	9.0	10.0	5.0	12.5	15.0	14.0	6.0	4.0	7.0	11.3	19.0	7.2	21.2	3.6	3.6	3.6	4.7	4.8	3.9	7.6	6.1	3.9	14.6	3.9	7.6	
2.	"A"	134+30	414	17	14	24.6	20.0	18.4	16.5	9.0	10.0	5.0	14.0	15.0	12.5	6.0	4.0	7.0	9.9	19.0	7.2	21.2	3.6	3.6	3.6	4.7	4.8	3.9	7.6	6.1	3.9	14.6	3.9	7.6	
3.	"B"	224+62	444	18	14	24.8	20.0	18.4	16.5	9.0	10.0	5.0	12.5	15.0	13.6	6.0	4.0	7.0	10.6	17.0	6.0	21.2	3.6	3.6	3.6	4.7	4.8	3.9	7.6	6.1	3.9	14.6	3.9	7.6	
4.	"C"	308+81	602	19	14	24.0	20.0	17.4	15.0	9.0	10.0	5.0	12.5	15.0	13.6	6.0	4.0	7.0	10.6	17.0	6.0	21.2	3.6	3.6	3.6	4.7	4.8	3.9	7.6	6.1	3.9	14.6	3.9	7.6	
5.	"D"	365+00	463	20	14	24.0	20.0	17.4	15.0	9.0	10.0	5.0	12.5	15.0	13.6	6.0	4.0	7.0	10.6	17.0	6.0	21.2	3.6	3.6	3.6	4.7	4.8	3.9	7.6	6.1	3.9	14.6	3.9	7.6	
6.	"E"	423+40	614	21	14	24.0	20.0	17.4	15.0	9.0	10.0	5.0	12.5	15.0	13.6	6.0	4.0	7.0	11.0	17.0	6.0	21.2	3.9	3.9	3.2	2.10	4.78	4.0	3.9	12.0	4.0	3.9	12.0	4.0	
7.	"West End"	429+79	735	22	14	24.0	20.0	17.4	14.5	9.0	10.0	5.0	12.0	15.0	14.3	6.0	4.0	7.0	14.6	19.0	6.0	23.4	4.5	4.5	3.2	2.10	4.11	5.0	1.0	45.0	2.0	4.1	9.6	5.5	
8.	"Indiantown"	479+02	2750	23	14	24.0	20.0	17.4	11.0	8.0	9.0	4.0	8.5	16.6	19.6	6.3	4.3	7.0	14.6	19.0	6.0	23.4	4.5	4.5	3.2	2.10	4.11	5.0	1.0	45.0	2.0	4.1	9.6	5.5	
9.	"F"	500+27	895	24	14	24.0	20.0	17.4	15.0	7.5	8.5	3.5	12.5	17.3	13.6	6.0	4.0	7.0	10.6	20.0	6.0	24.4	3.6	3.6	3.6	2.10	4.11	5.0	1.0	45.0	2.0	4.1	9.6	5.5	
10.	"Allapattah No. 1"	623+00	4700	25	14	24.0	19.6	17.4	11.0	6.5	7.5	2.5	8.5	18.5	19.6	6.3	4.3	7.0	14.6	22.0	6.0	26.1	4.5	4.5	3.2	2.10	4.11	5.0	1.0	45.0	2.0	4.1	9.6	5.5	
11.	"G"	648+05	865	26	15	24.0	19.5	17.4	14.5	7.0	8.0	3.0	12.0	17.3	14.3	6.0	4.0	7.0	11.0	21.0	6.0	24.4	3.6	3.6	3.6	2.10	4.11	5.0	1.0	45.0	2.0	4.1	9.6	5.5	
12.	"Allapattah No. 2"	697+41	390	27	15	24.0	19.2	17.4	16.0	6.5	7.5	2.5	13.5	17.6	12.9	6.0	4.3	7.0	10.0	22.0	7.2	24.9	3.7	3.7	3.2	2.10	4.11	5.0	1.0	45.0	2.0	4.1	9.6	5.5	
13.	"H"	720+43	495	28	15	24.0	19.2	17.4	15.5	6.5	7.5	2.5	13.0	17.6	12.9	6.0	4.3	7.0	10.0	22.0	7.2	24.9	3.7	3.7	3.2	2.10	4.11	5.0	1.0	45.0	2.0	4.1	9.6	5.5	
14.	"Mid"	760+79	2210	29	15	23.0	19.0	16.5	11.5	6.0	7.0	2.0	9.0	18.0	17.3	6.0	4.0	7.0	13.0	21.0	6.0	25.5	4.2	4.2	3.2	2.10	4.11	5.0	1.0	45.0	2.0	4.1	9.6	5.5	
15.	"Cane Slough"	1007+48	2690	30	15	21.0	17.8	14.5	9.0	4.0	5.0	0.0	6.5	19.2	16.0	6.3	4.3	7.3	13.6	21.0	4.9	27.1	4.3	4.3	3.2	2.10	4.11	5.0	1.0	45.0	2.0	4.1	9.6	5.5	
16.	"I"	1048+48	736	31	15	21.0	17.4	14.5	11.5	3.5	4.5	-0.5	9.0	19.4	14.3	6.0	4.3	7.3	11.0	22.0	5.4	27.4	3.9	3.9	3.2	2.10	4.11	5.0	1.0	45.0	2.0	4.1	9.6	5.5	
17.	"East End"	1256+01	1520	32	15	16.3	15.5	7.9	2.5	2.5	3.5	-1.5	0.0	18.0	20.8	7.0	5.0	7.0	15.3	11.0	1.2	25.3	4.9	4.9	3.9	3.8	5.3	5.3	0.5	23.0	2.4	4.8	9.6	5.5	

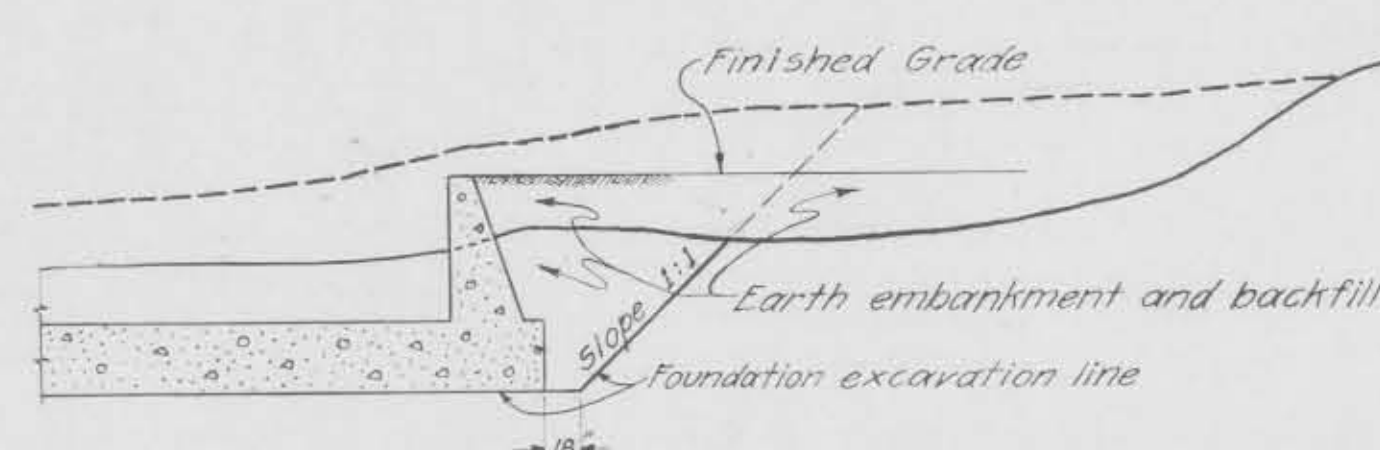
TABLE OF DIMENSIONS

* ELEVATIONS IN FEET ARE REFERRED TO MEAN LOW WATER AT PUNTA RASA AS DATUM.

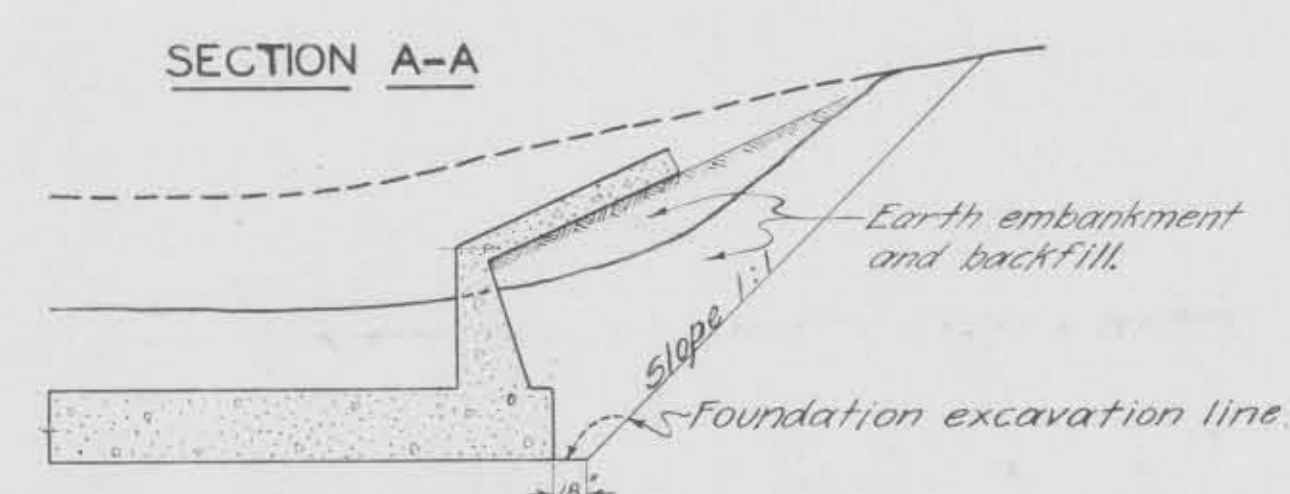


TYPICAL CONSTRUCTION JOINTS

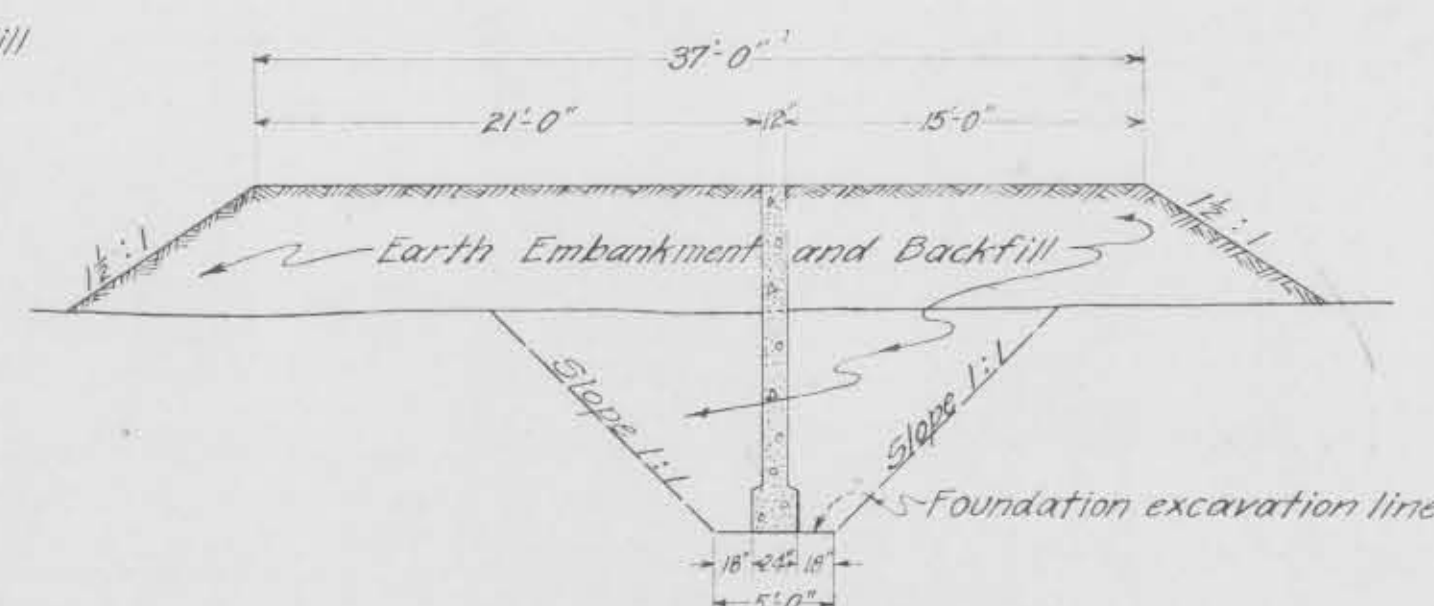
SCALE 1"=1'-0"



SECTION A-A

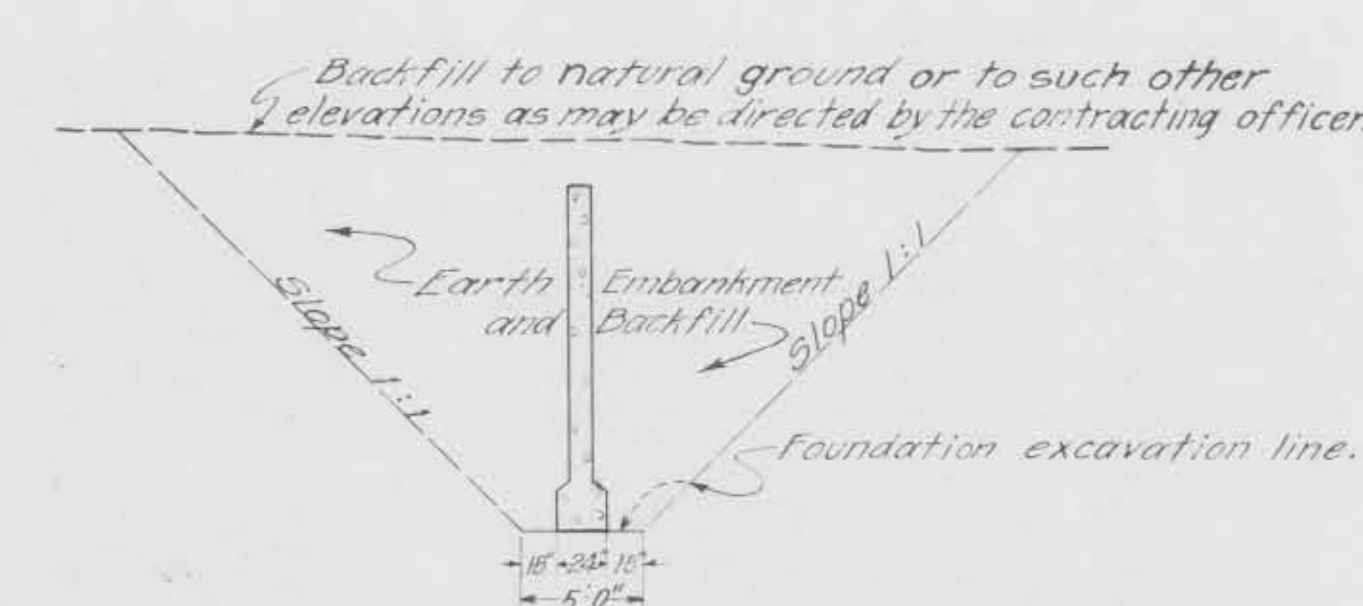


SECTION C-C



SECTION B-B

(Natural Ground Below Top of Wall)



SECTION B-B

(Natural Ground Above Top of Wall)

Note: Ground profiles below the finished work are indicated by a heavy solid line, those above by a heavy dash line.

EXCAVATION AND BACKFILL DIAGRAMS

SCALE 1"=1'-0"

CALOOSAHAATCHEE RIVER AND LAKE
OKEECHOBEE DRAINAGE AREAS, FLORIDA.
ST. LUCIE CANAL DRAINAGE SPILLWAYS

AUXILIARY DATA SHEET

IN 32 SHEETS

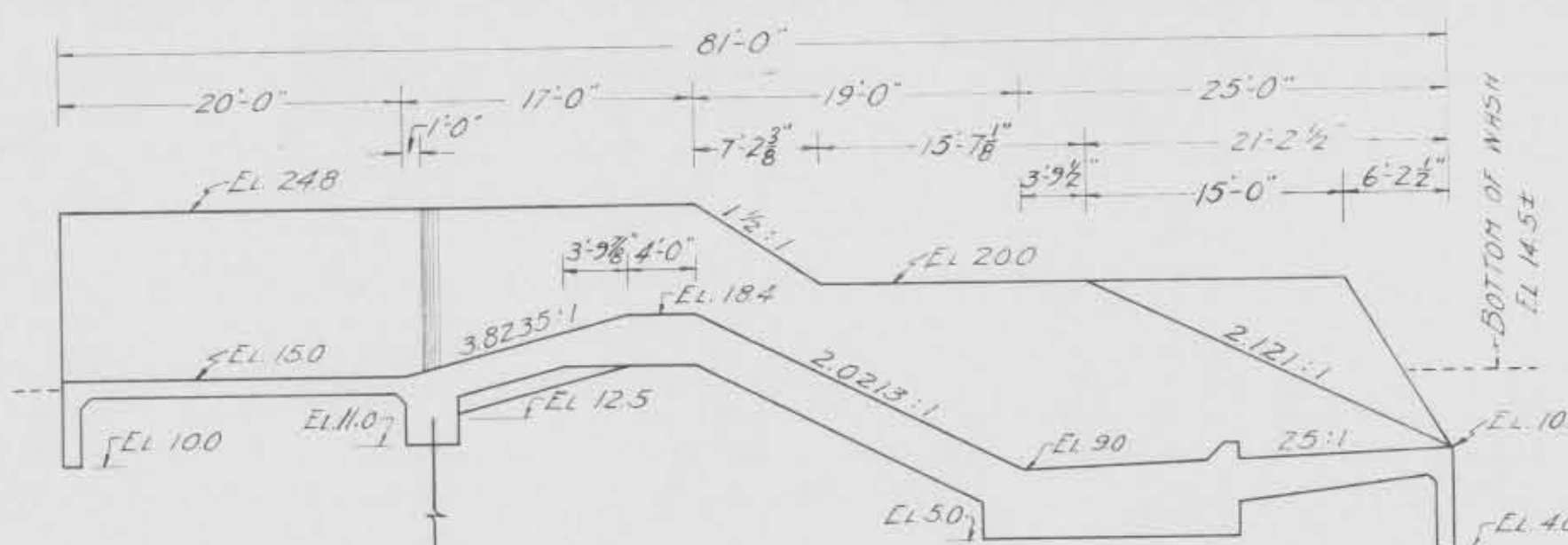
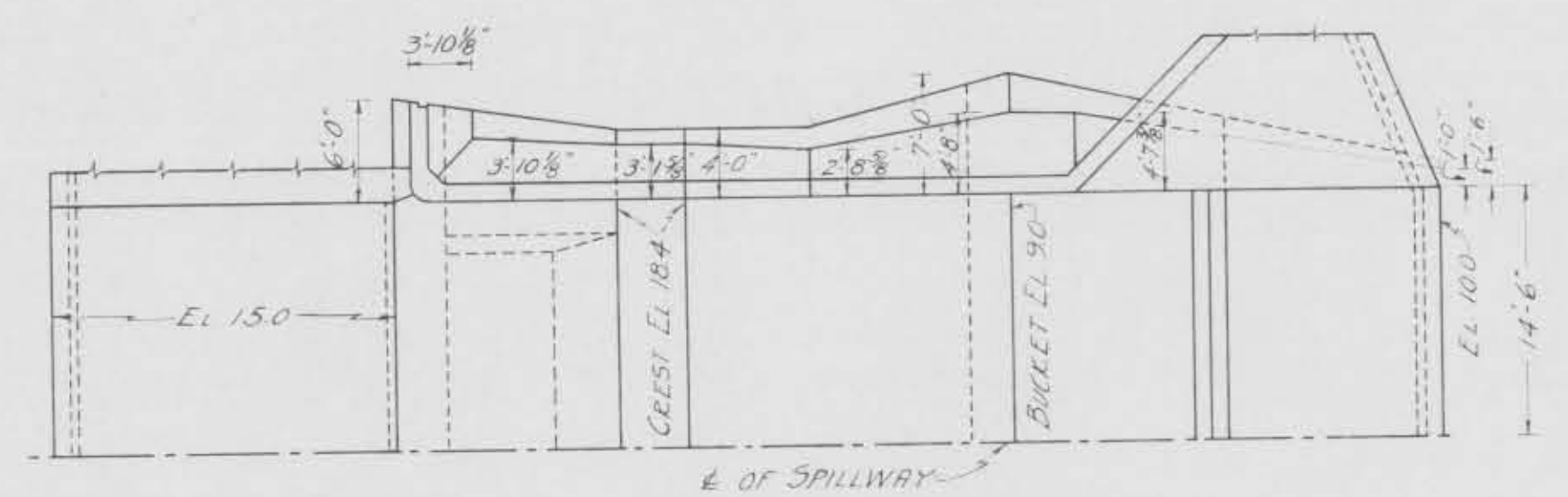
SCALE: AS SHOWN

SHEET No. 13

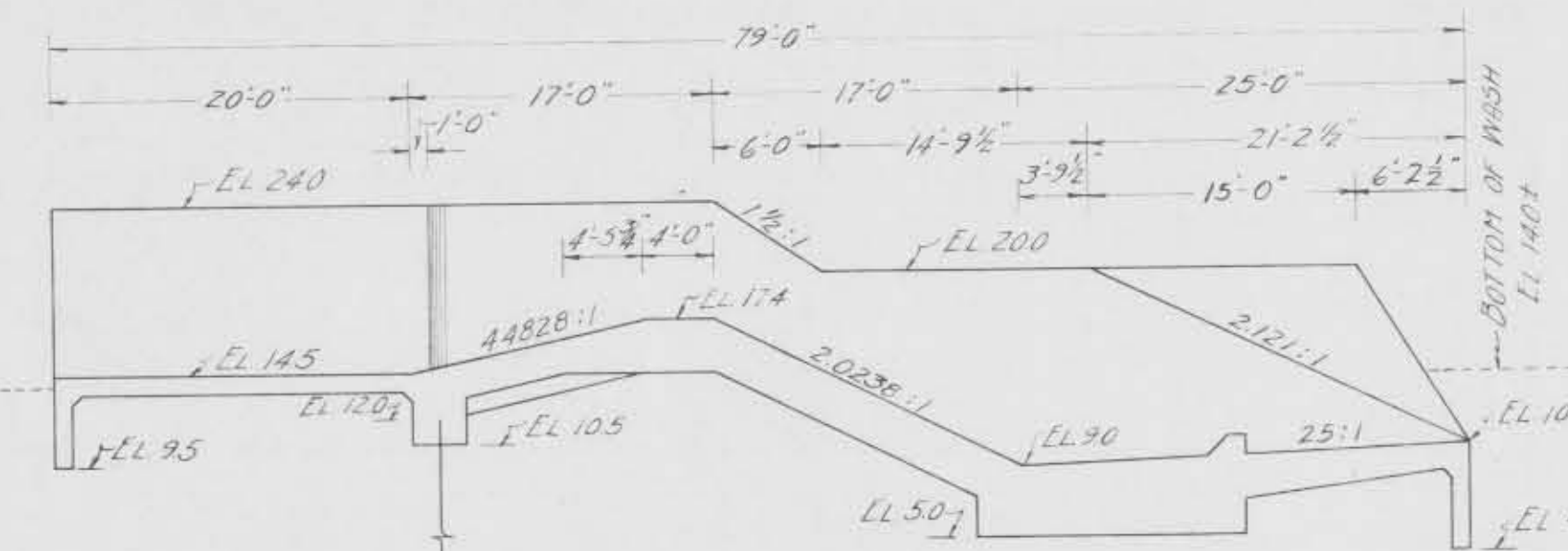
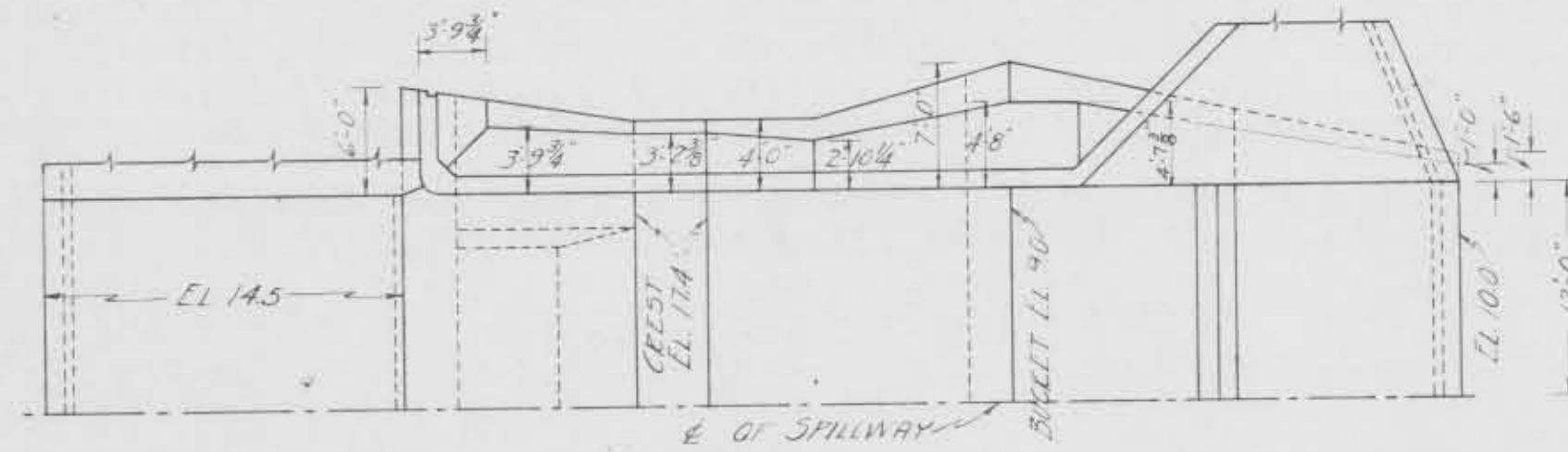
U. S. ENGINEER OFFICE - JACKSONVILLE, FLORIDA, MAY 1933.

APPROVED:	DATE JULY 18, 1933.	SUBMITTED:	RECOMMENDED FOR APPROVAL:	APPROVED:
OKEECHOBEE FLOOD CONTROL DISTRICT.		E. C. Smith	Carawan Nelson	
		ASSOCIATE ENGINEER	ENGINEER	MAJOR, CORPS OF ENGINEERS
BY: J. M. Smith		FILE NO. 152-9199		
CONSULTING ENGINEER.		TO ACCOMPANY SPECIFICATIONS DATED: AUG. 16, 1934		

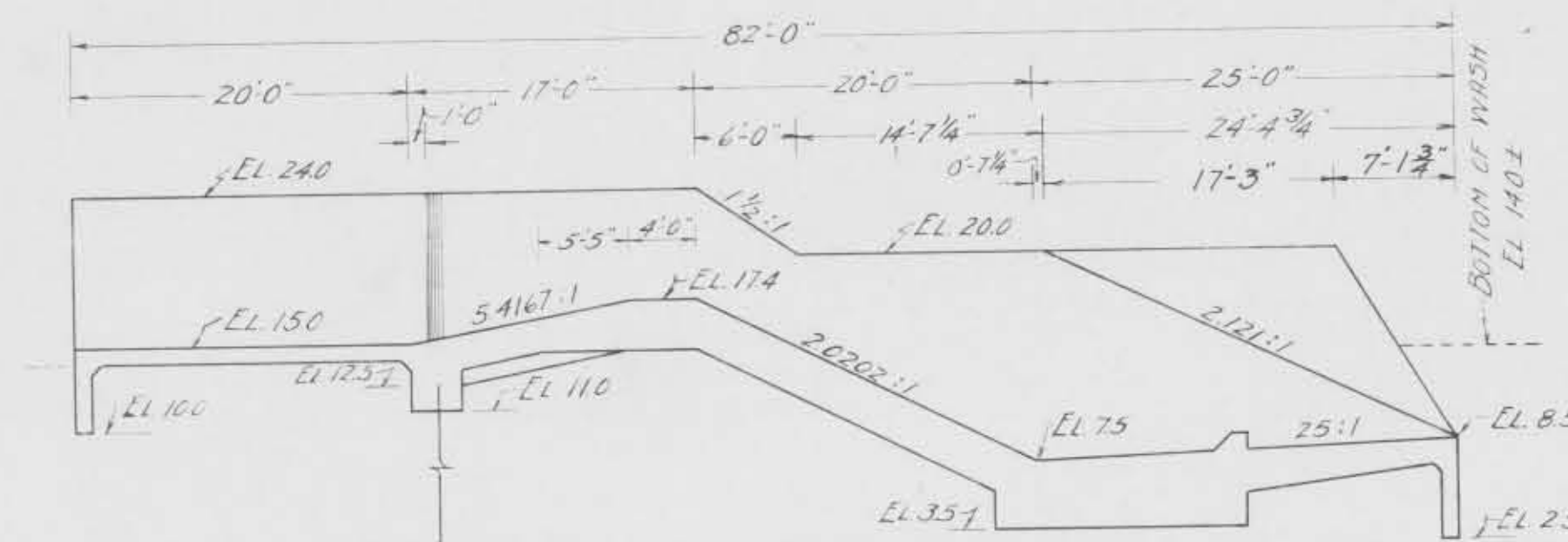
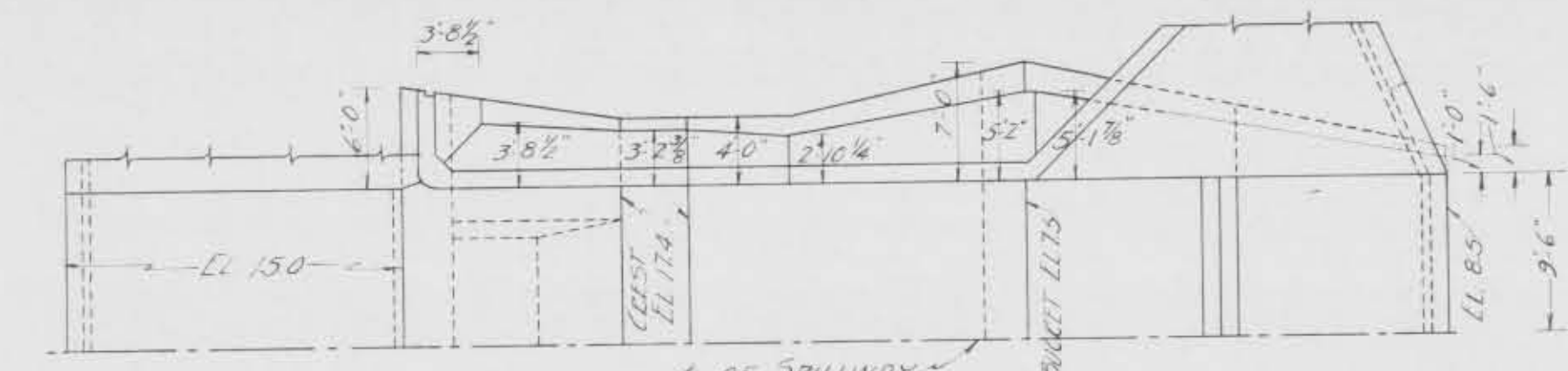
120B-9199



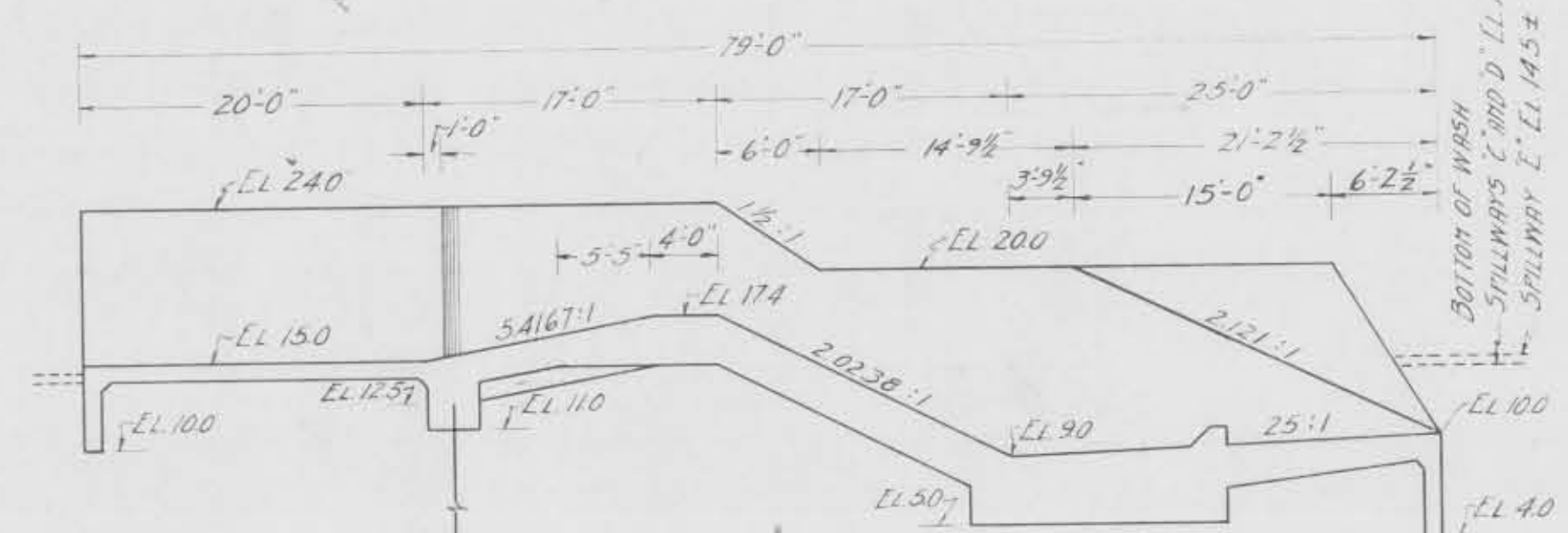
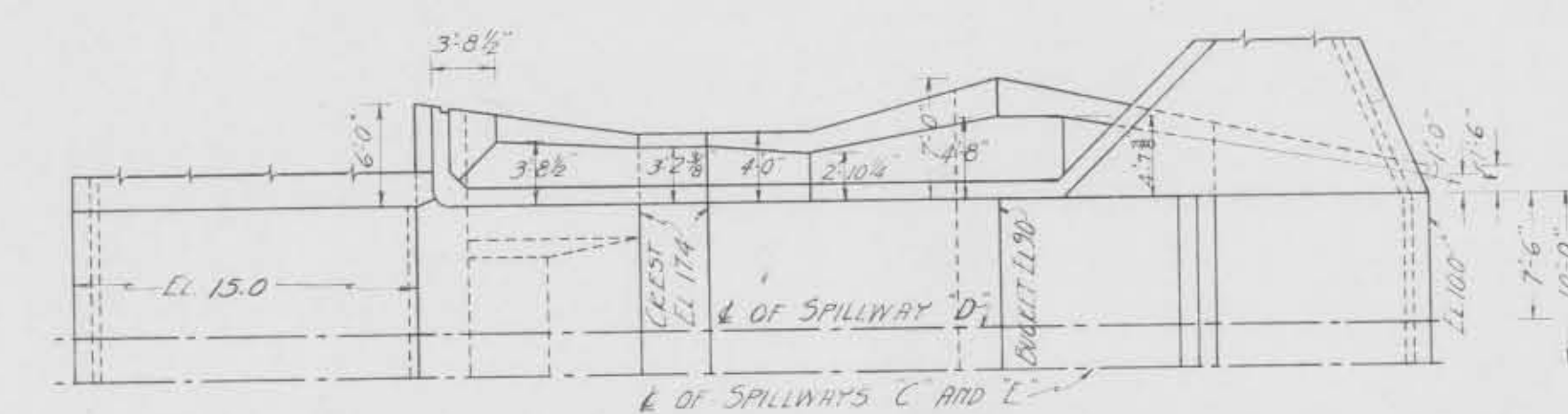
SPILLWAY
No. 1 - MAYACA.



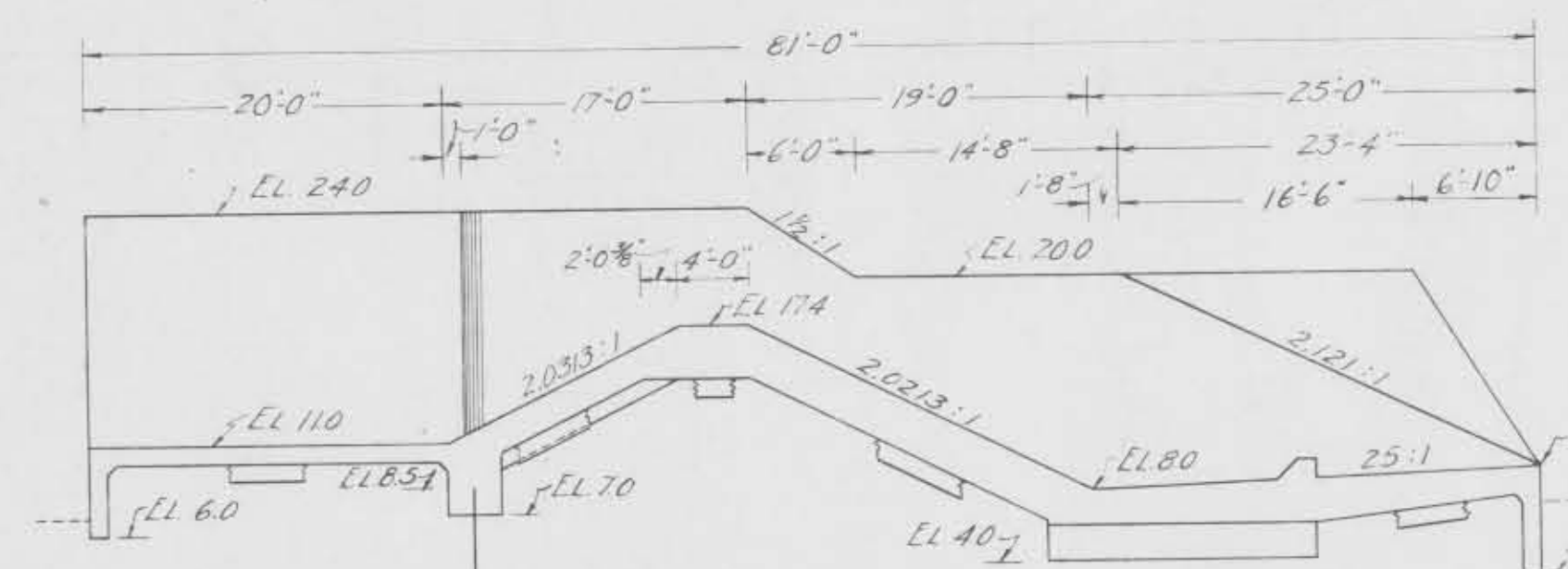
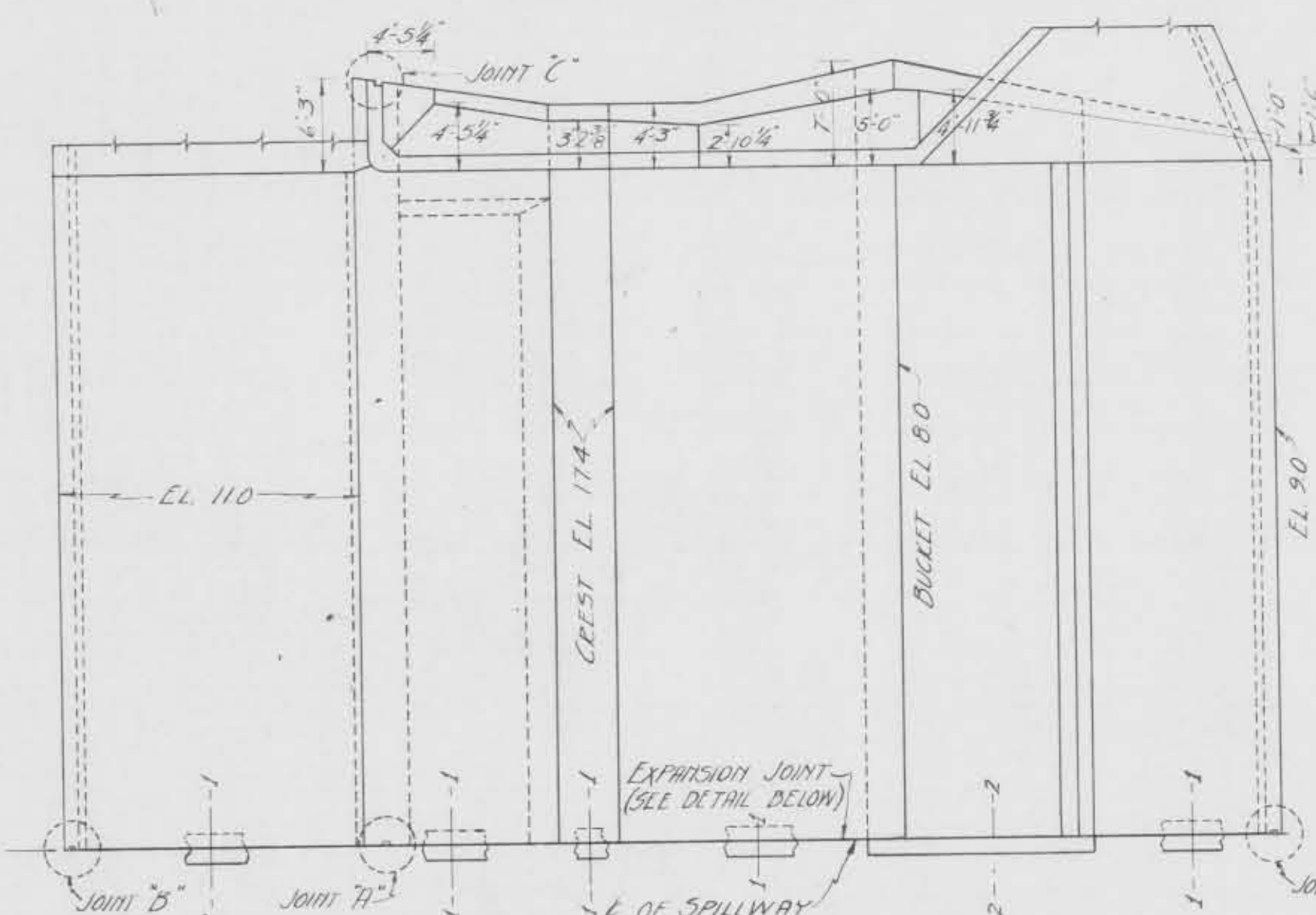
SPILLWAY
No. 7 - WEST END



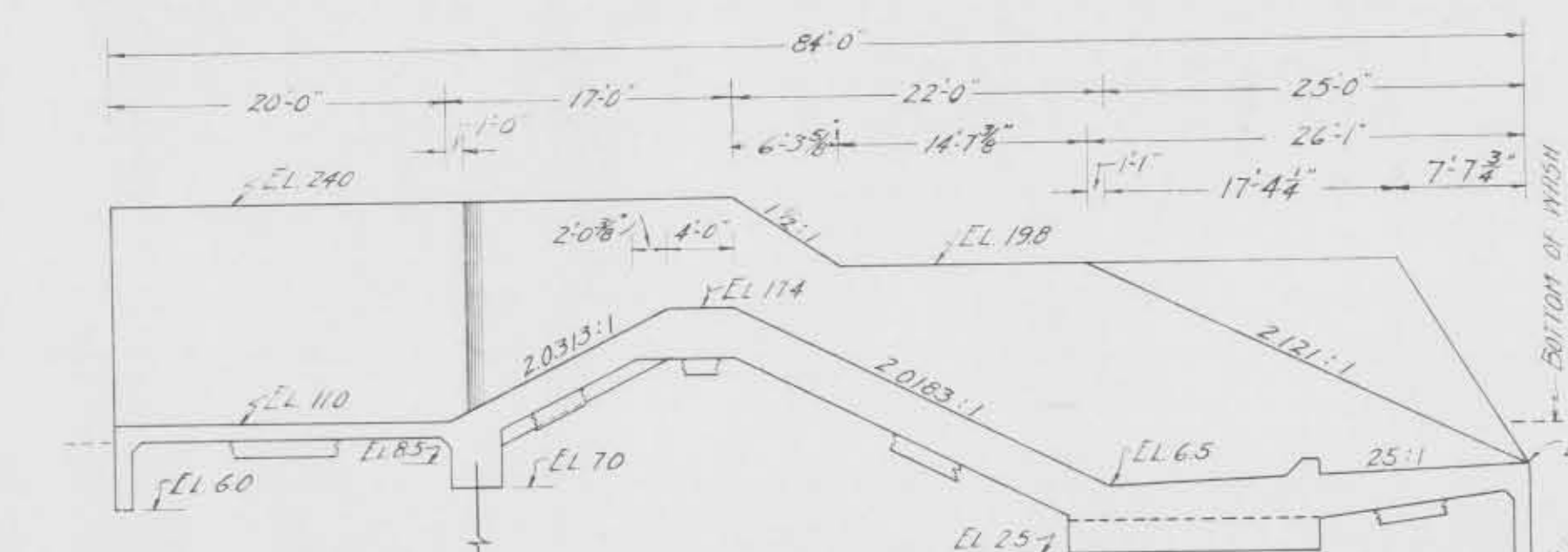
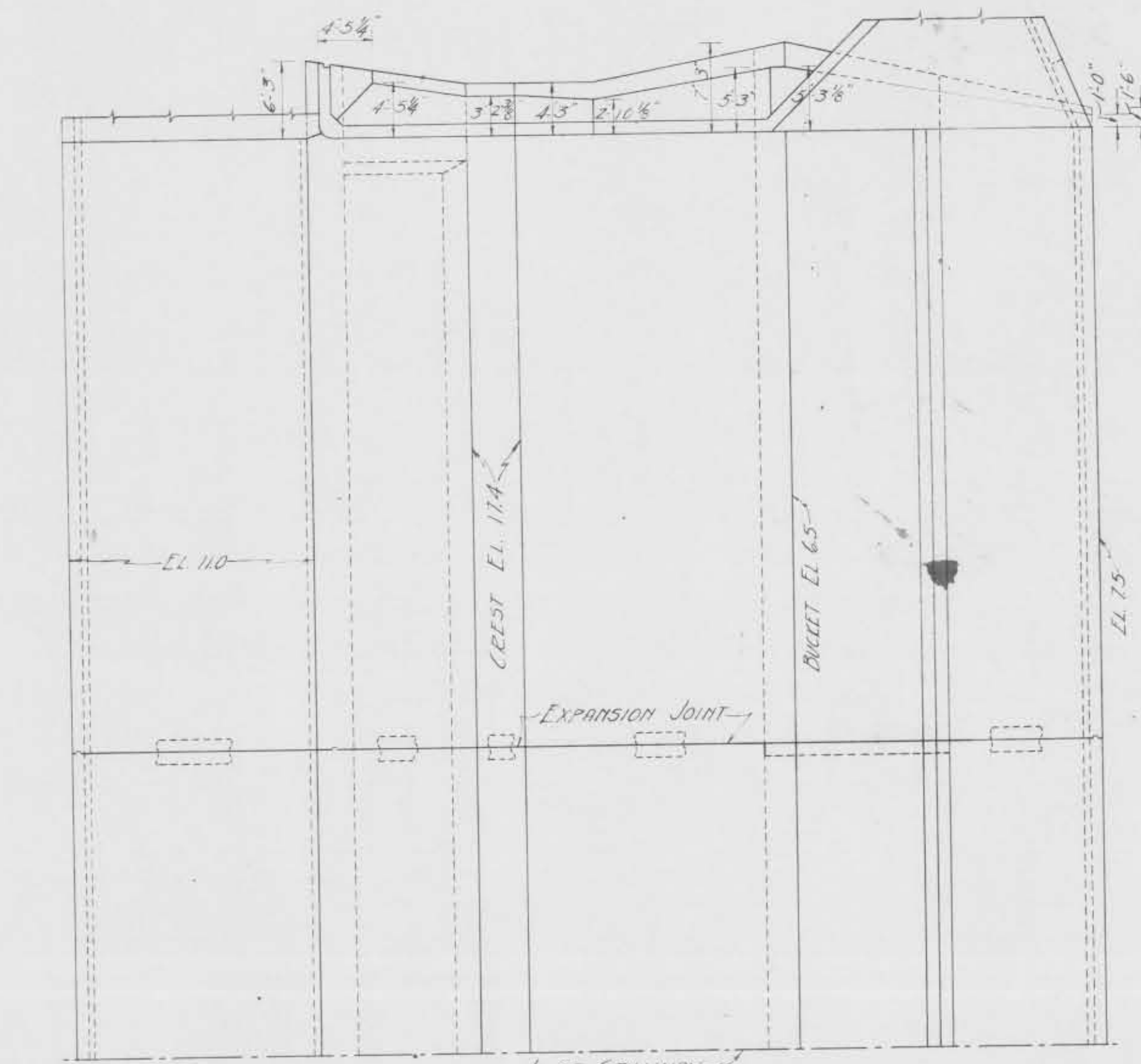
SPILLWAY
No. 9 - F



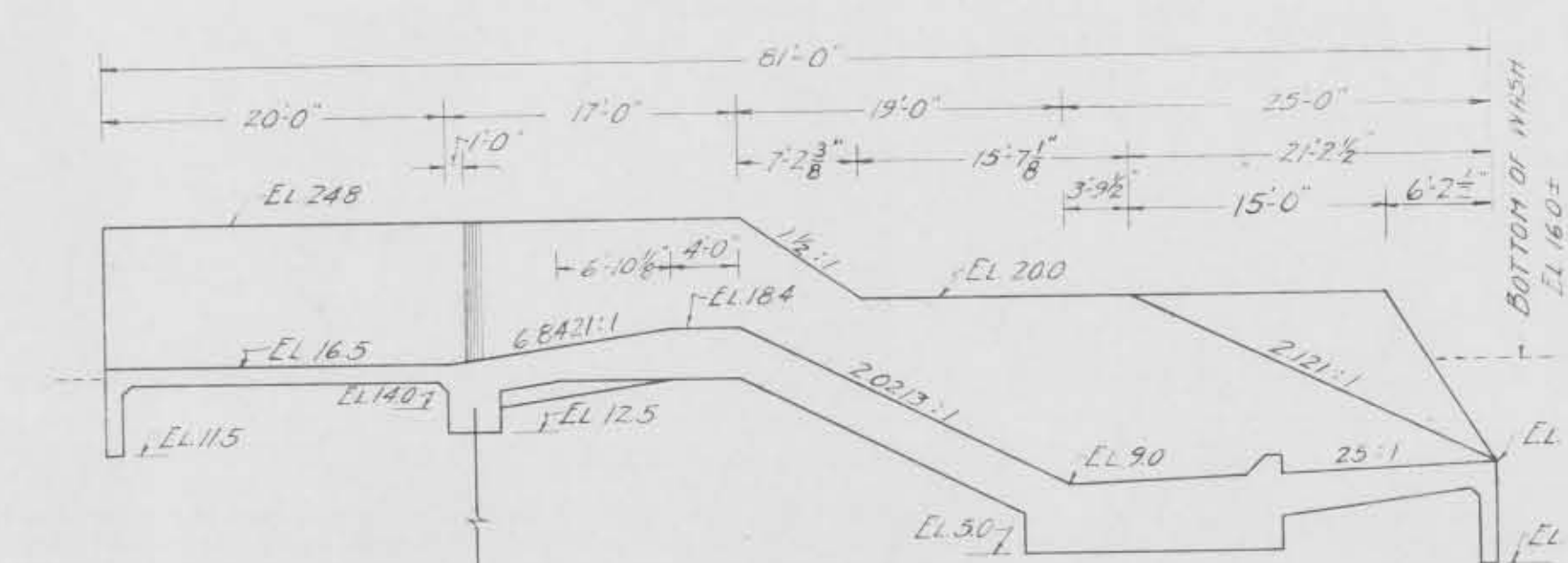
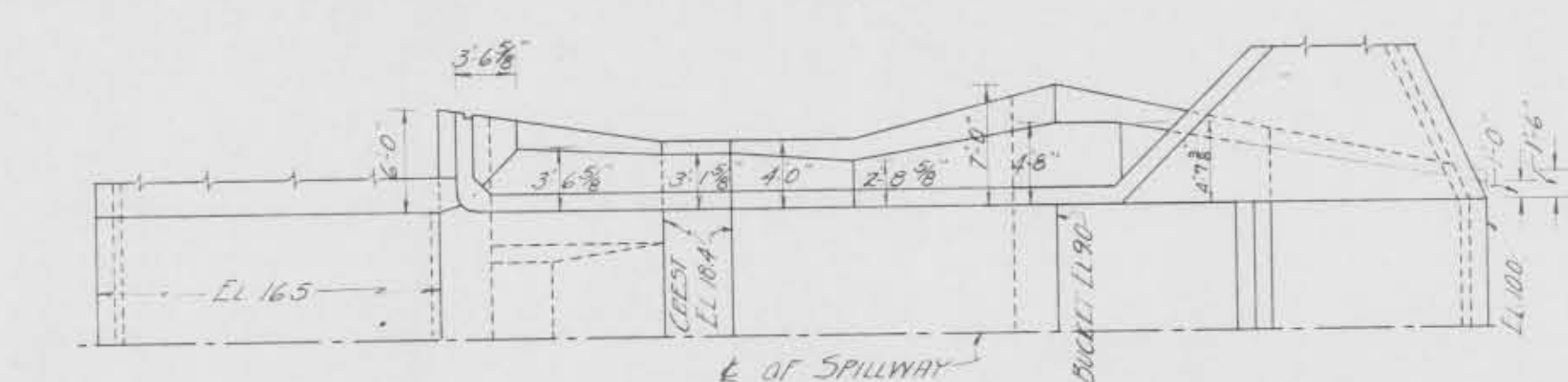
SPILLWAYS
No. 4 - C
No. 5 - D
No. 6 - E



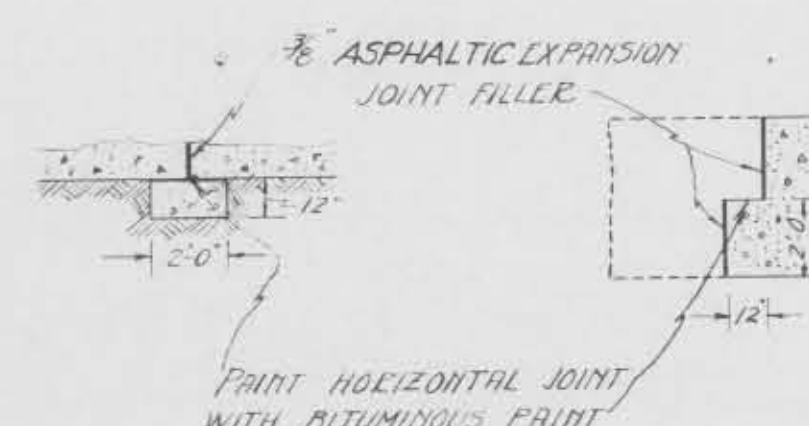
SPILLWAY
No. 8 - INDIANTOWN



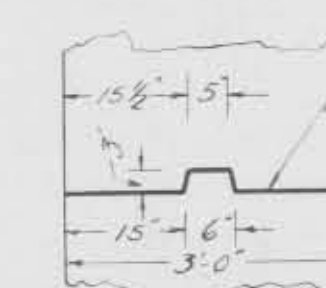
SPILLWAY
No. 10 - ALLAPATTA No. 1



SPILLWAYS
No. 2 - A
No. 3 - B

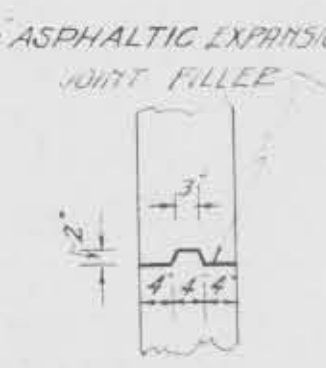


SECTION 1-1
SCALE: 1/4" = 1'-0"

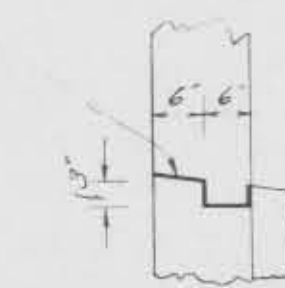


SECTION 2-2
SCALE: 1/4" = 1'-0"

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



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



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

CALOOSAHATCHEE RIVER AND LAKE
OKEECHOBEE DRAINAGE AREAS, FLORIDA.
ST. LUCIE CANAL DRAINAGE SPILLWAYS
PLANS SHOWING VARIABLE DIMENSIONS

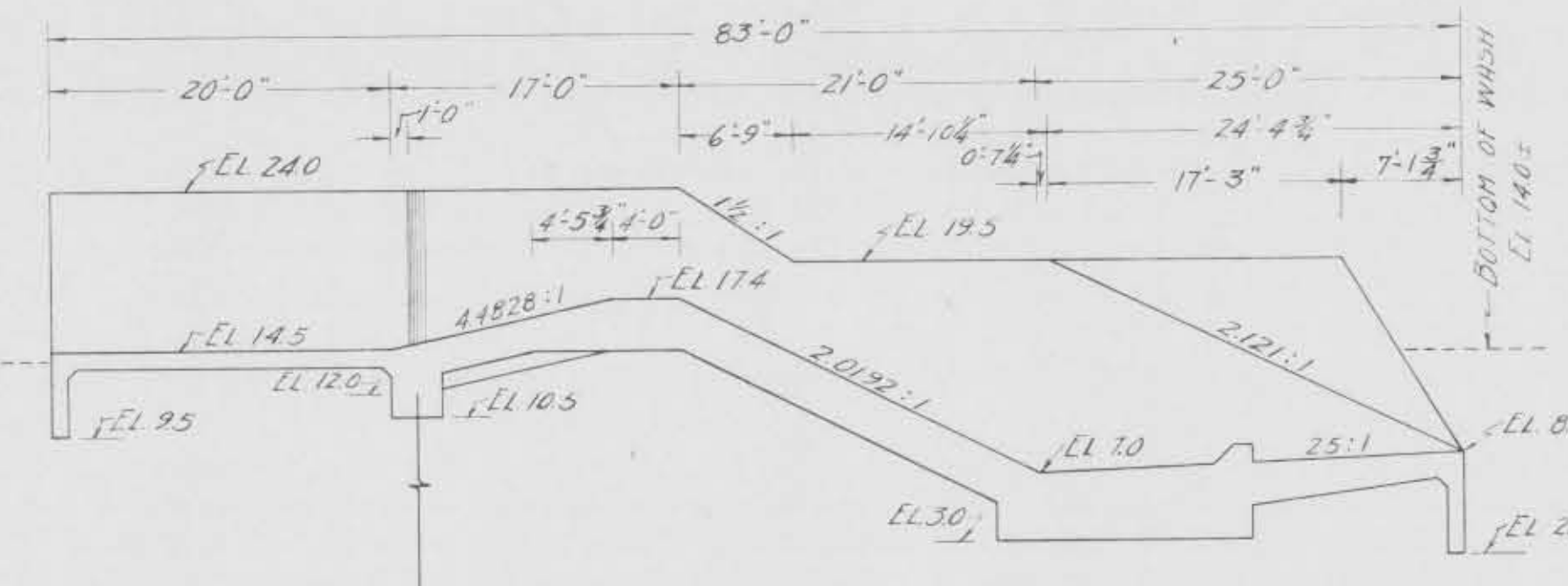
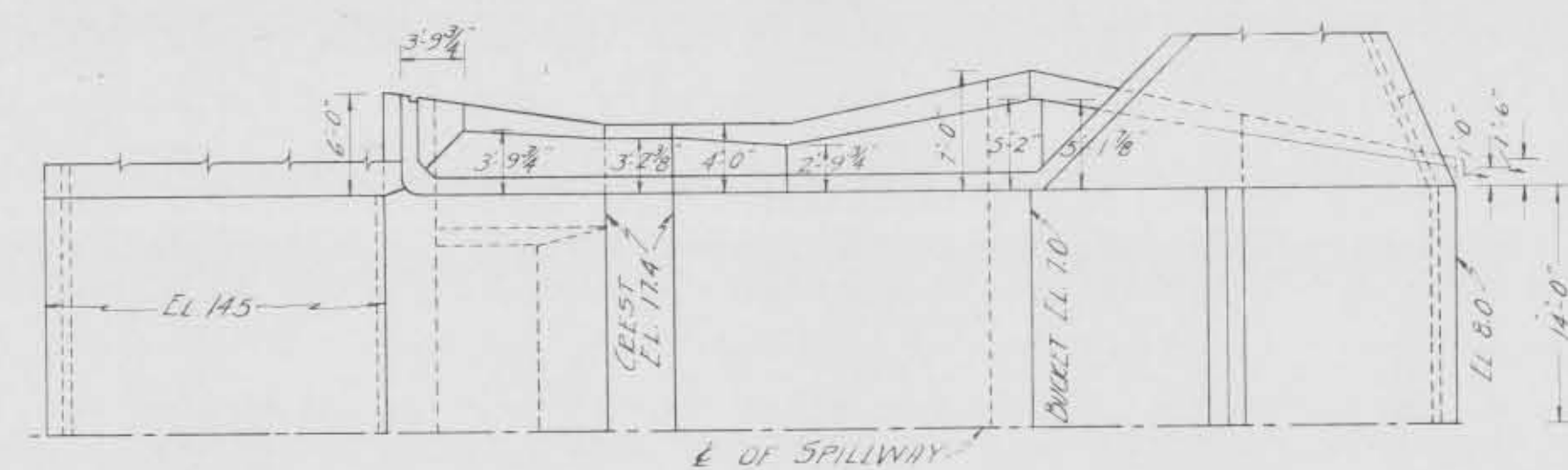
IN 32 SHEETS SCALE: 1" = 10'-0" SHEET No. 14

U. S. ENGINEER OFFICE - JACKSONVILLE, FLORIDA, MAY 1933.

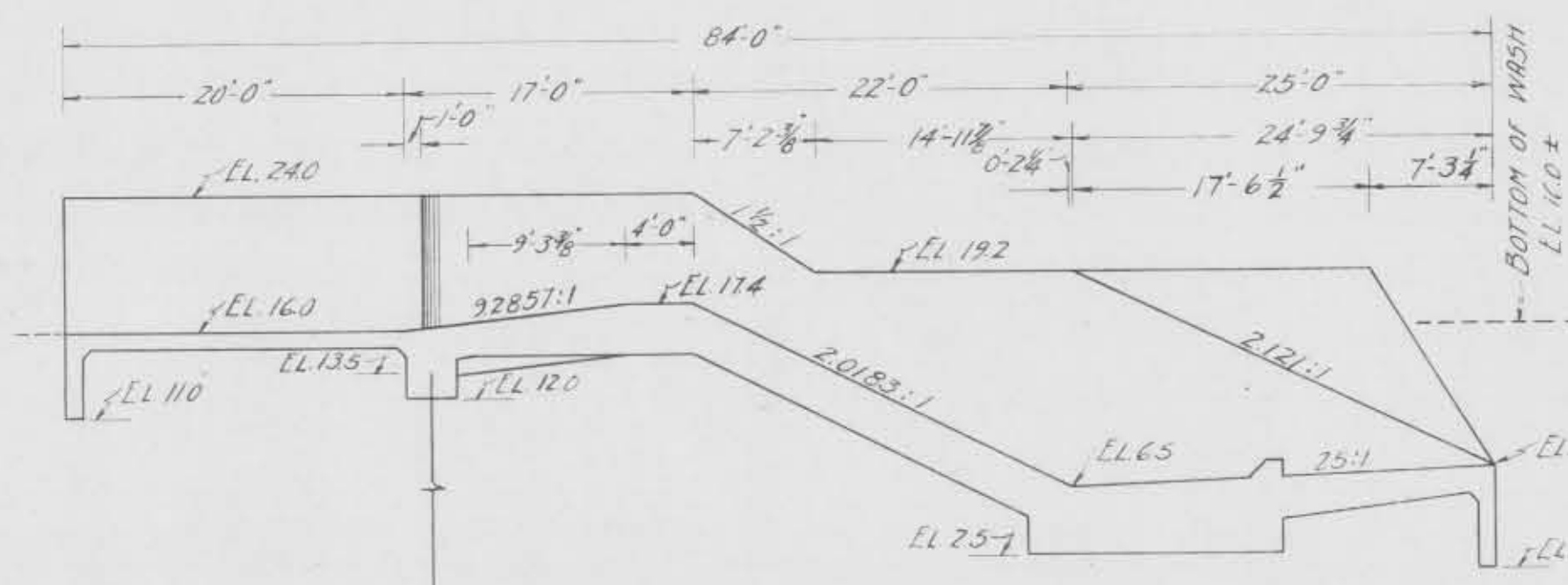
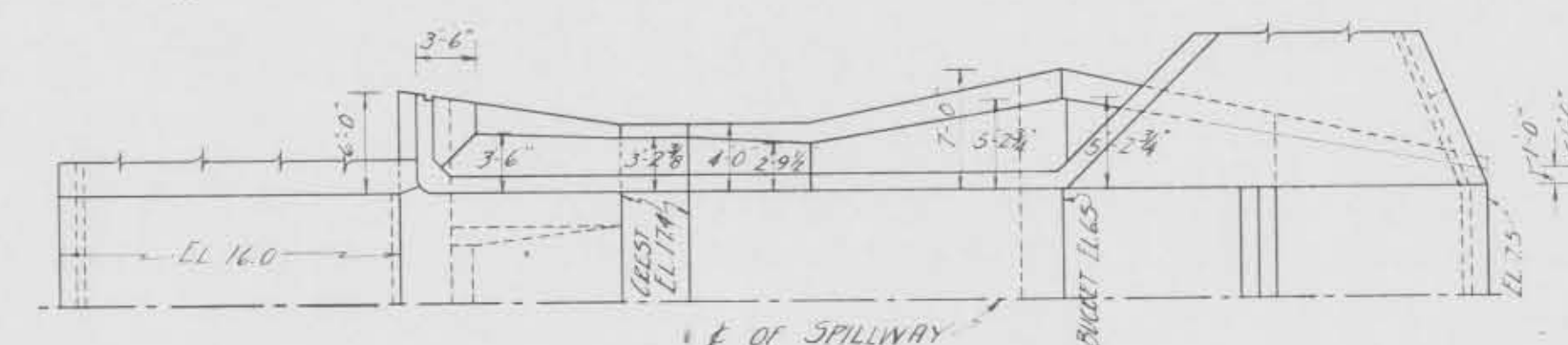
SUBMITTED: DATE JULY 18, 1933. APPROVED: OKEECHOBEE FLOOD CONTROL DISTRICT.

DRAWN BY: G. T. A. TRACED BY: G. T. A. CHECKED BY: G. T. A.

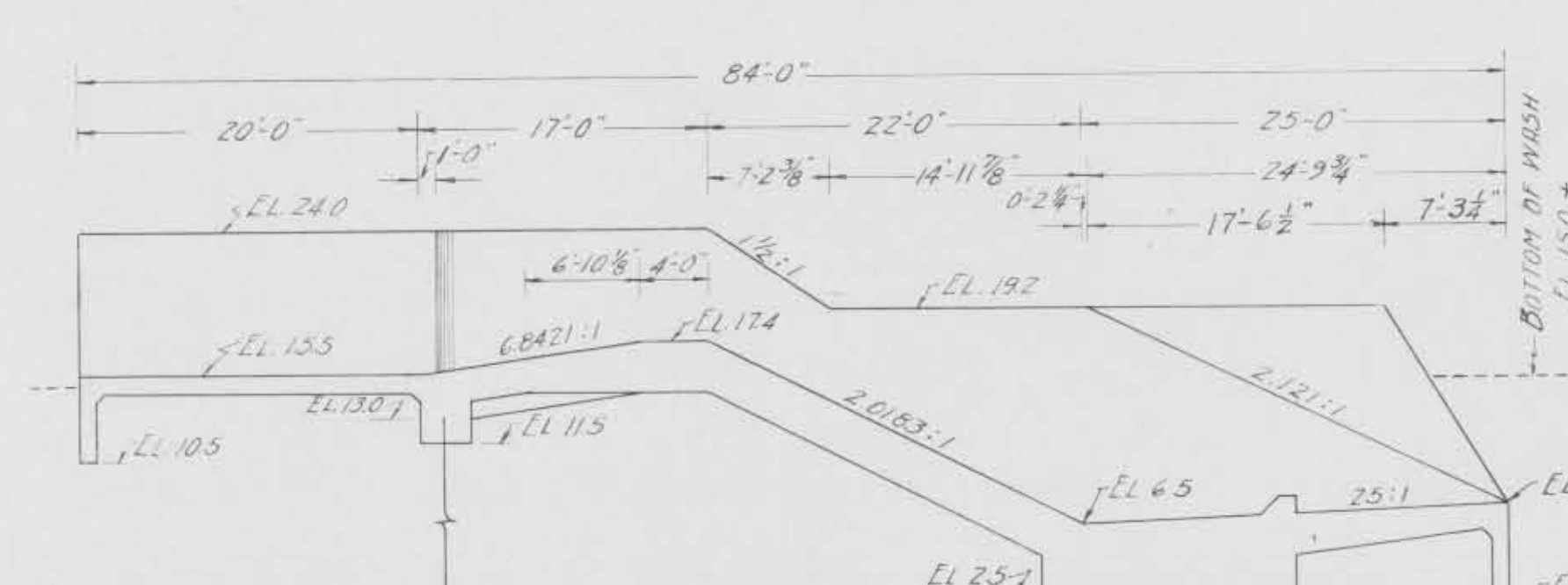
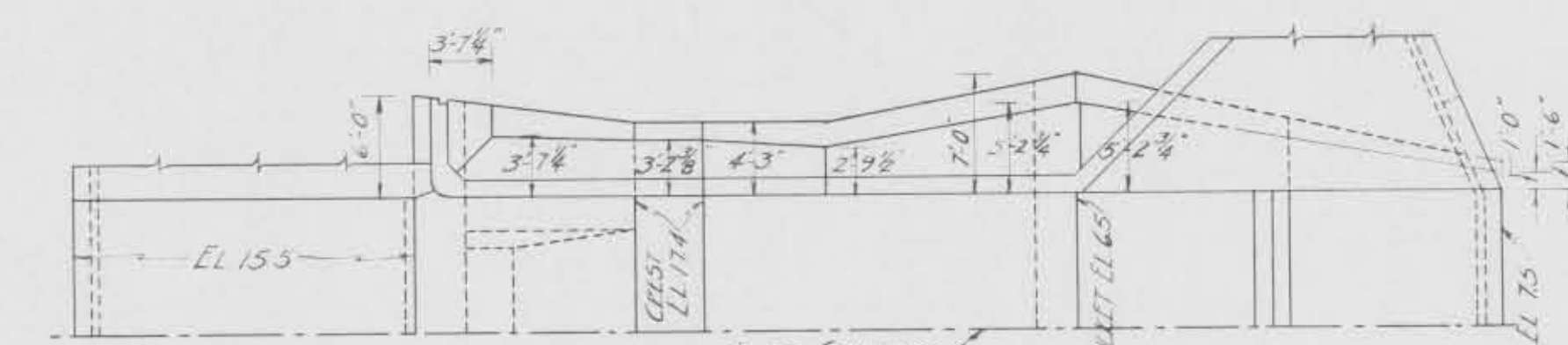
FILE NO. 152-9199 DATE: Aug 16 1934.



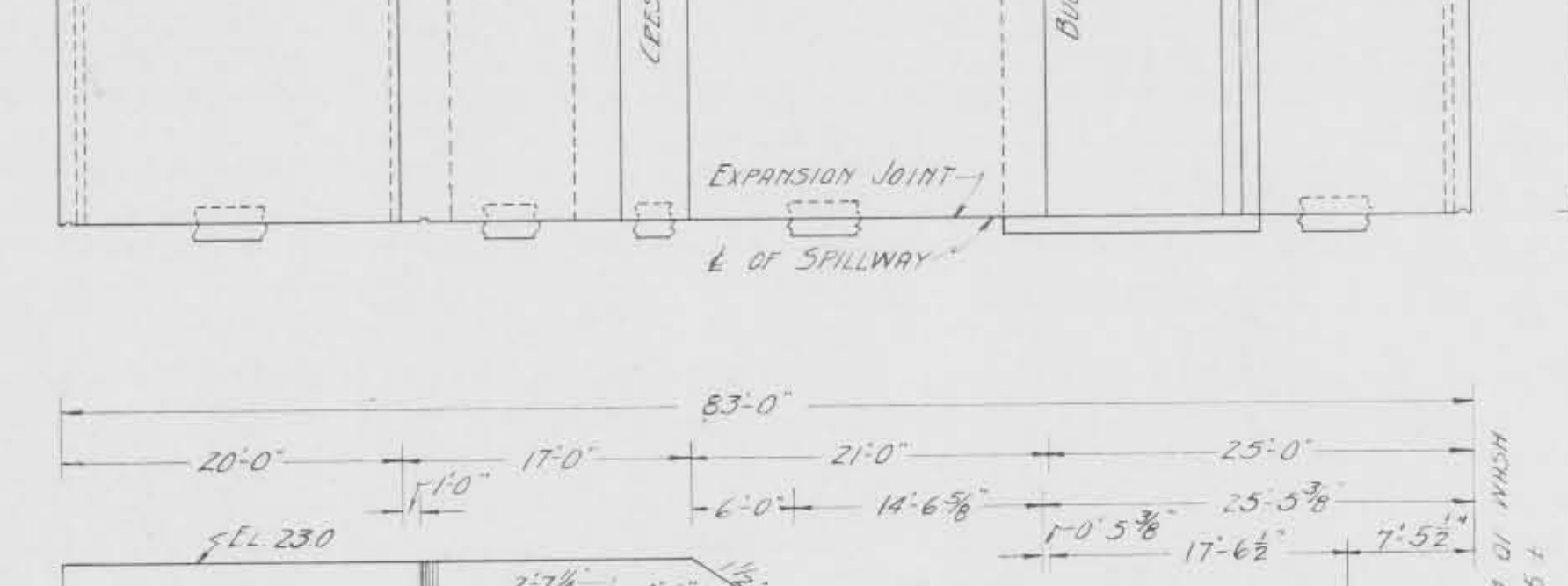
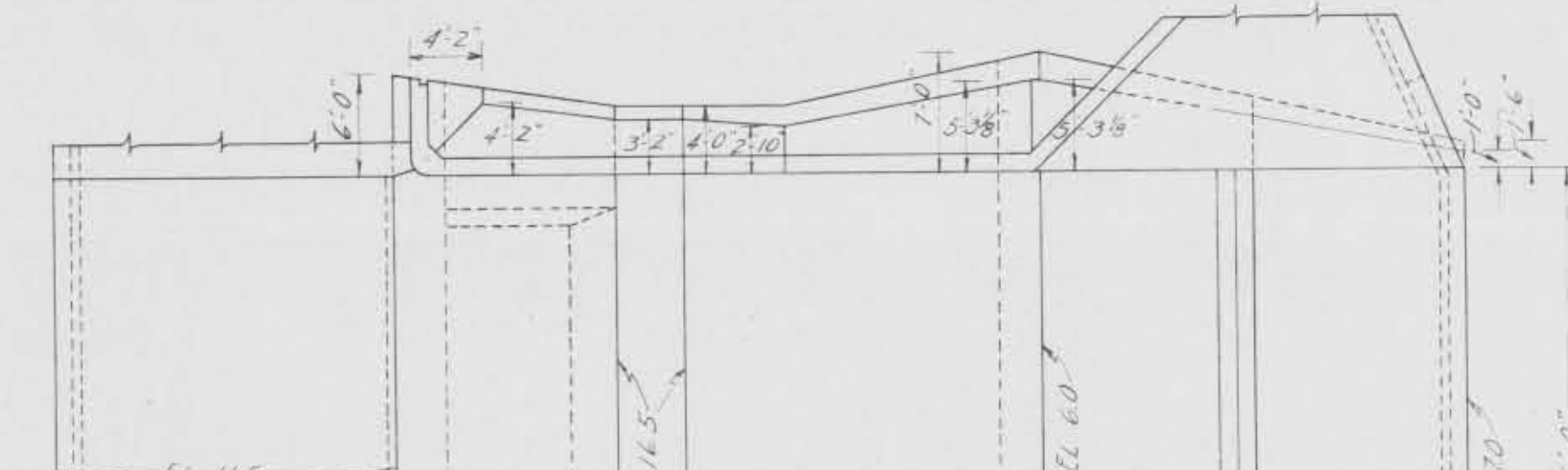
SPILLWAY
NO. 11-G



SPILLWAY
NO. 12-ALLAPATTA No. 2

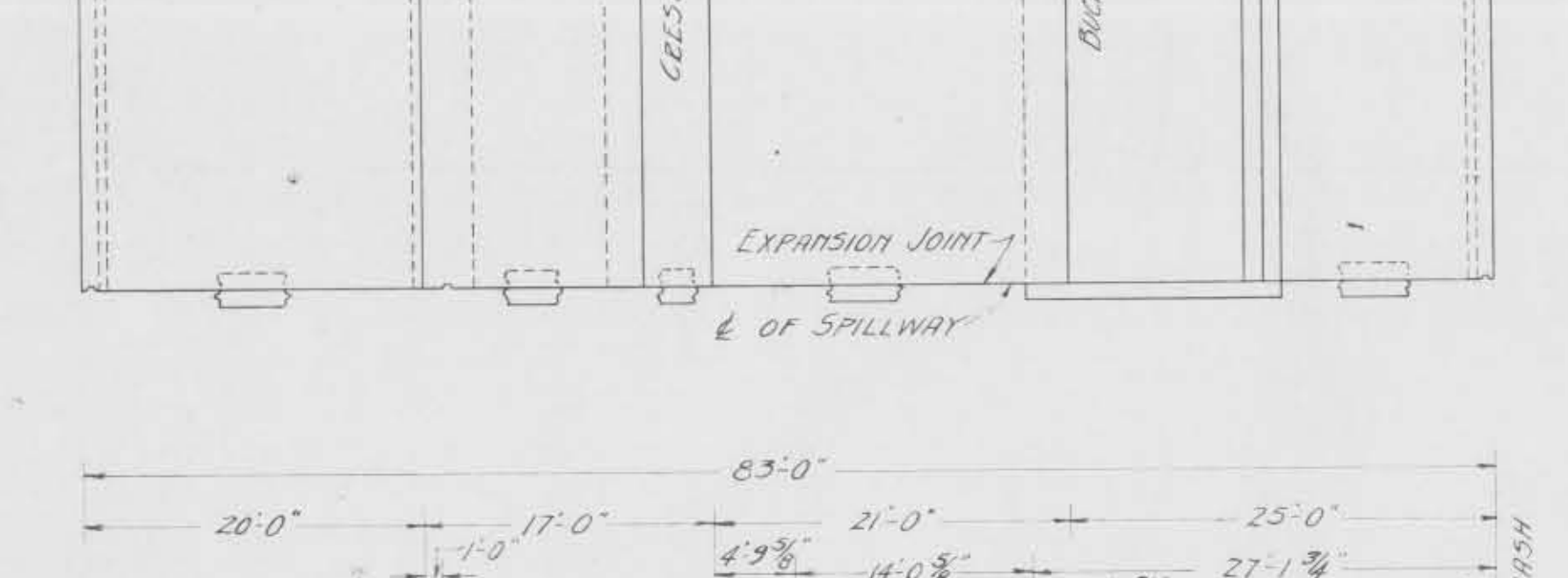
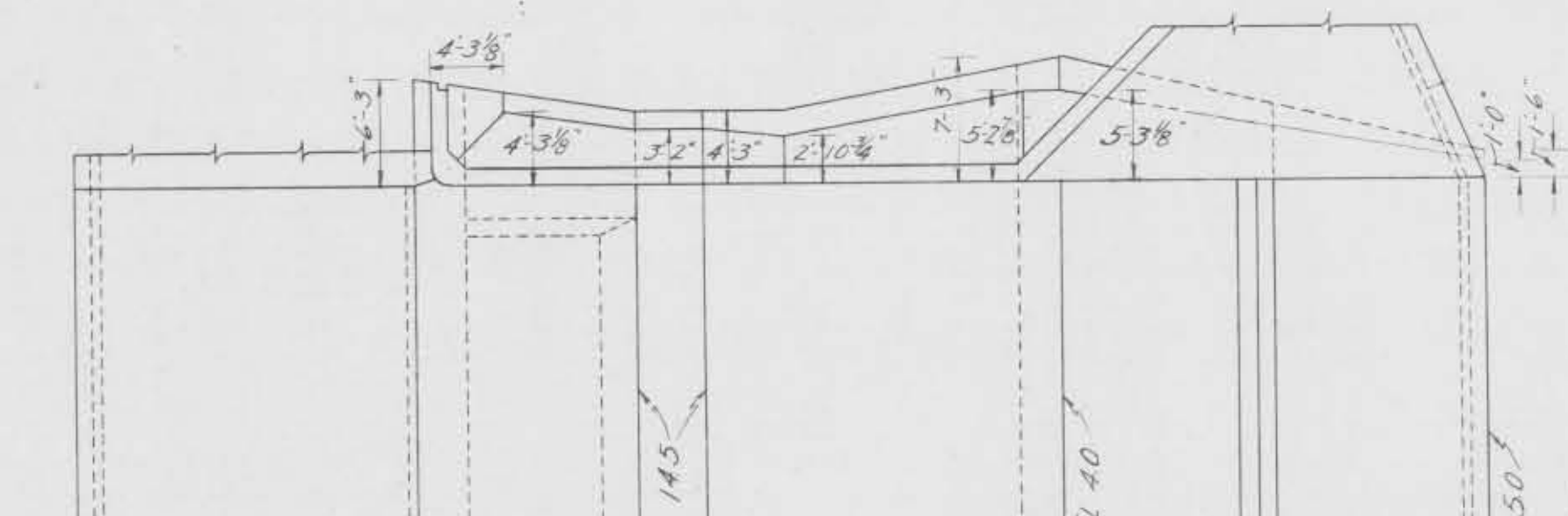


SPILLWAY
NO. 13-H



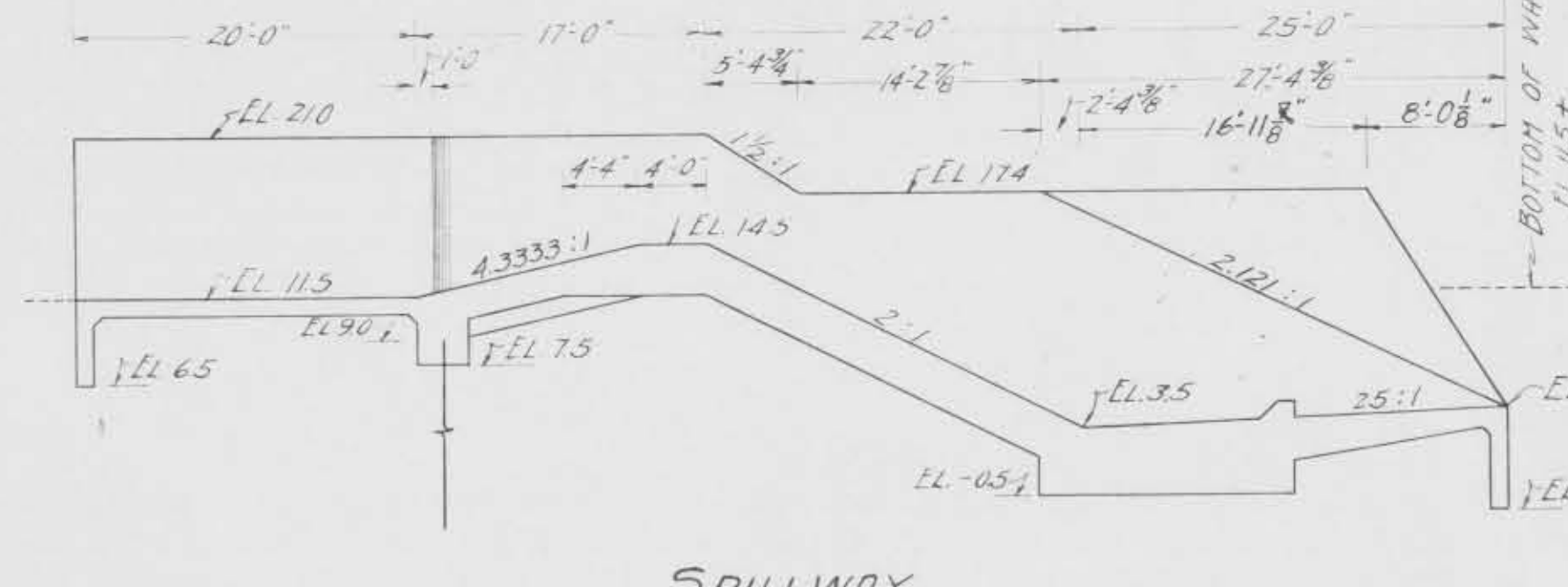
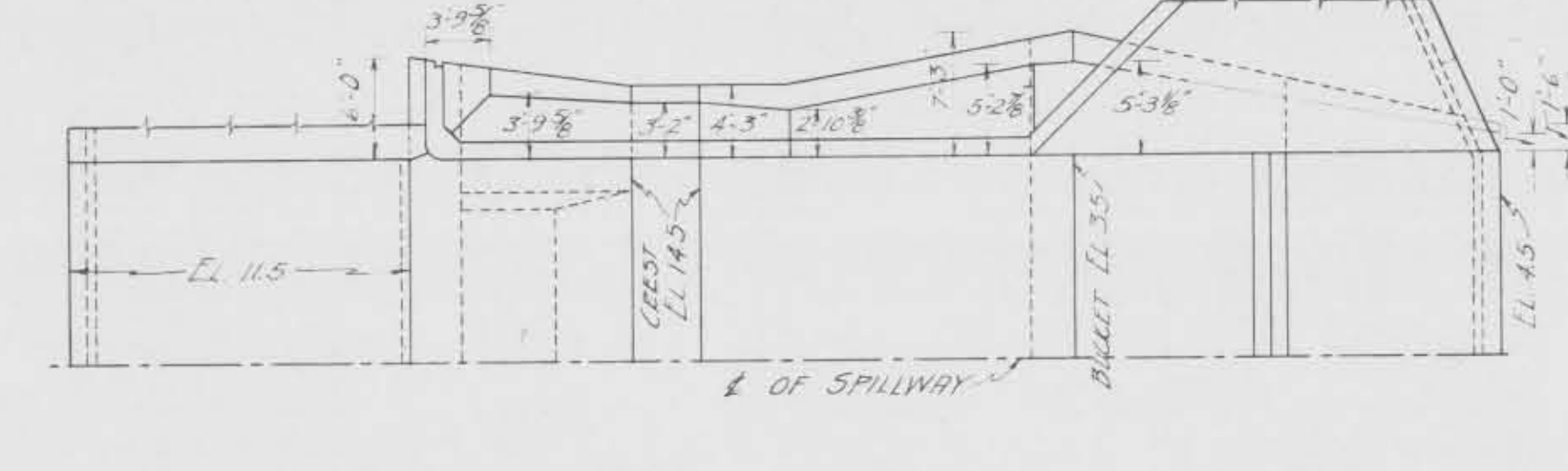
SPILLWAY
NO. 14-MID

Note: Expansion joint details
are similar to those shown
for Spillway No. 8.

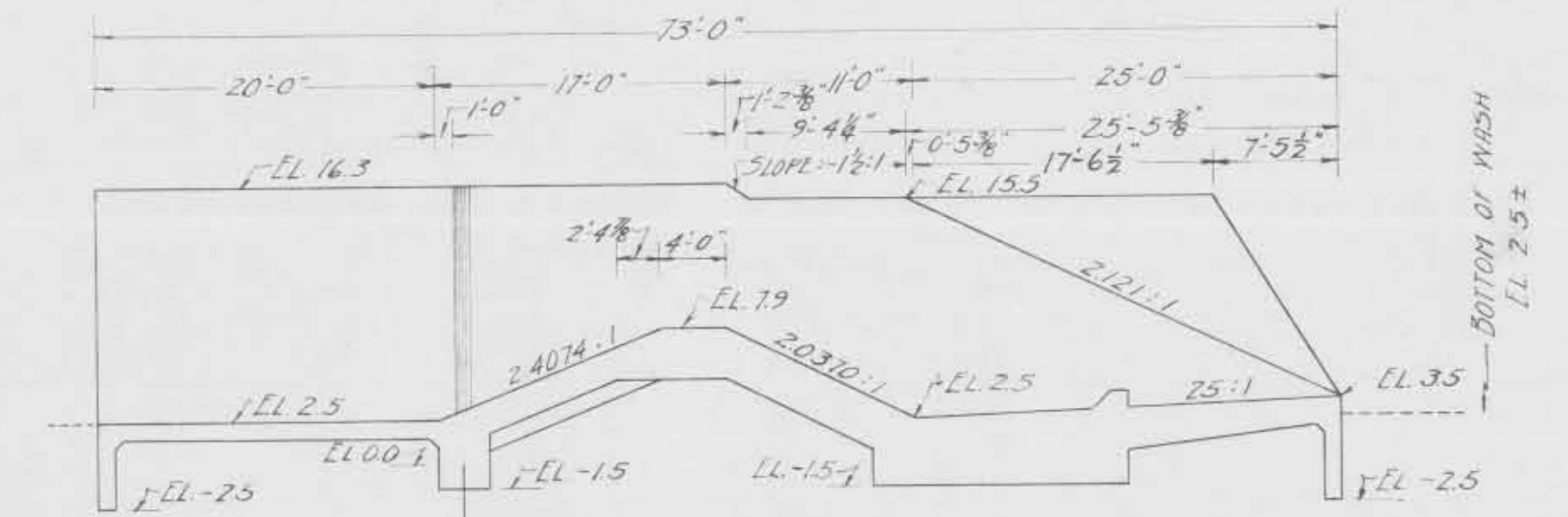
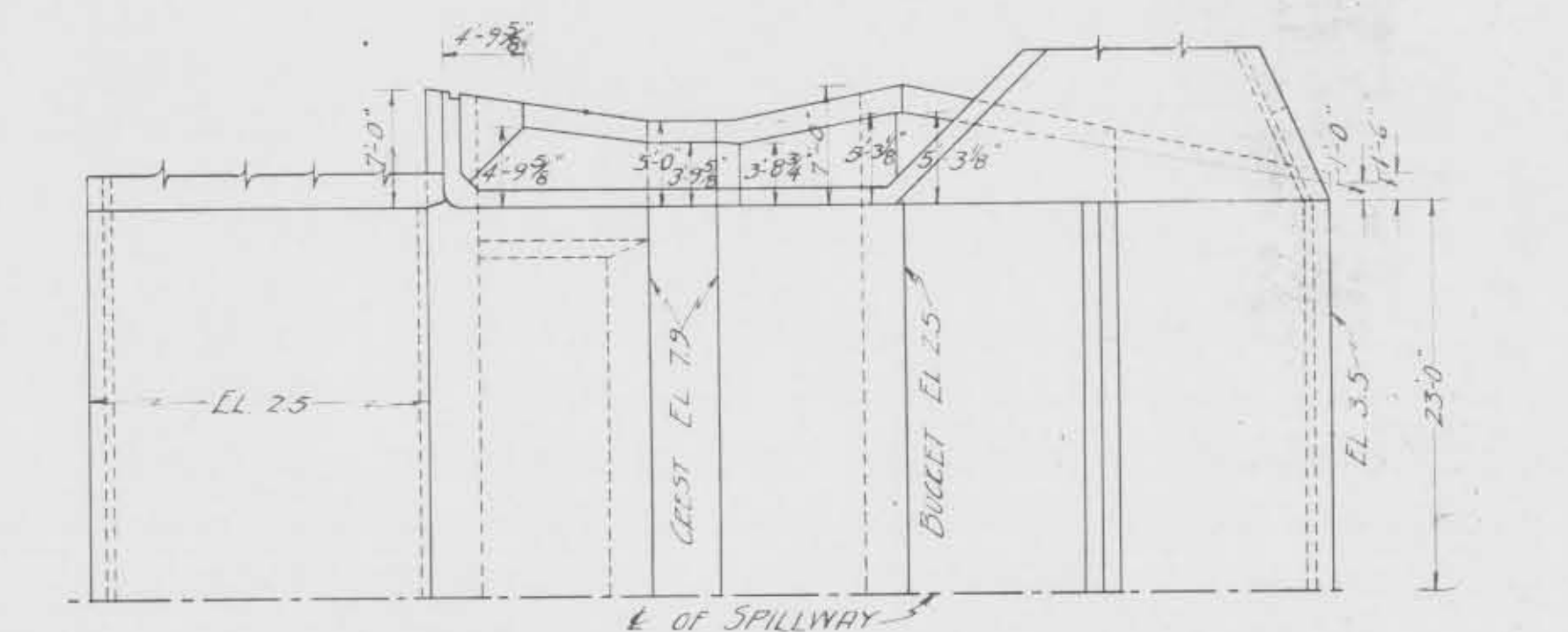


SPILLWAY
NO. 15-CANE SLOUGH

Note: Expansion joint details
are similar to those shown
for Spillway No. 8.



SPILLWAY
NO. 16-I



SPILLWAY
NO. 17-EAST END

CALOOSAHATCHEE RIVER AND LAKE
OKEECHOBEE DRAINAGE AREAS, FLORIDA.
ST. LUCIE CANAL DRAINAGE SPILLWAYS
PLANS SHOWING VARIABLE DIMENSIONS

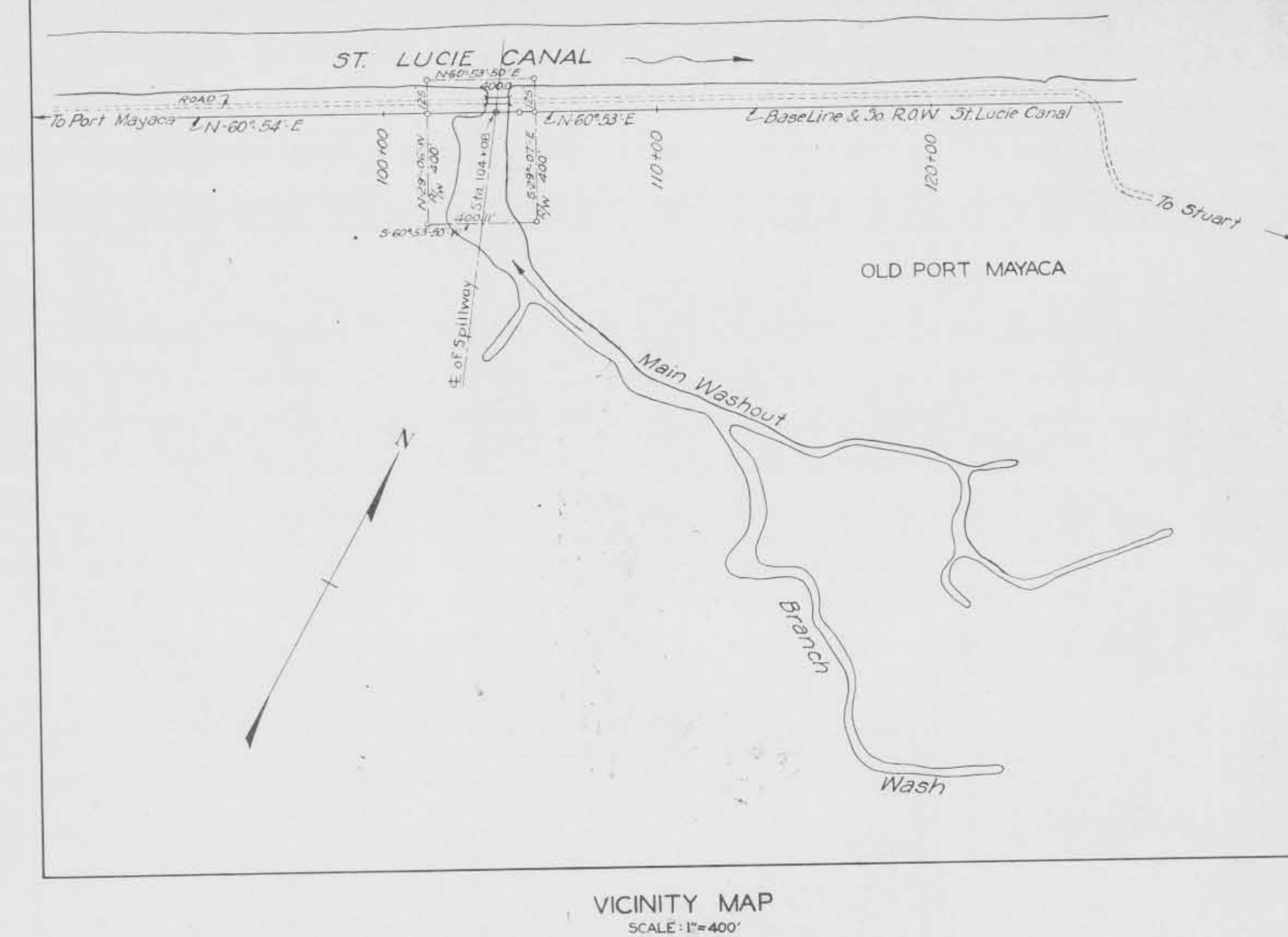
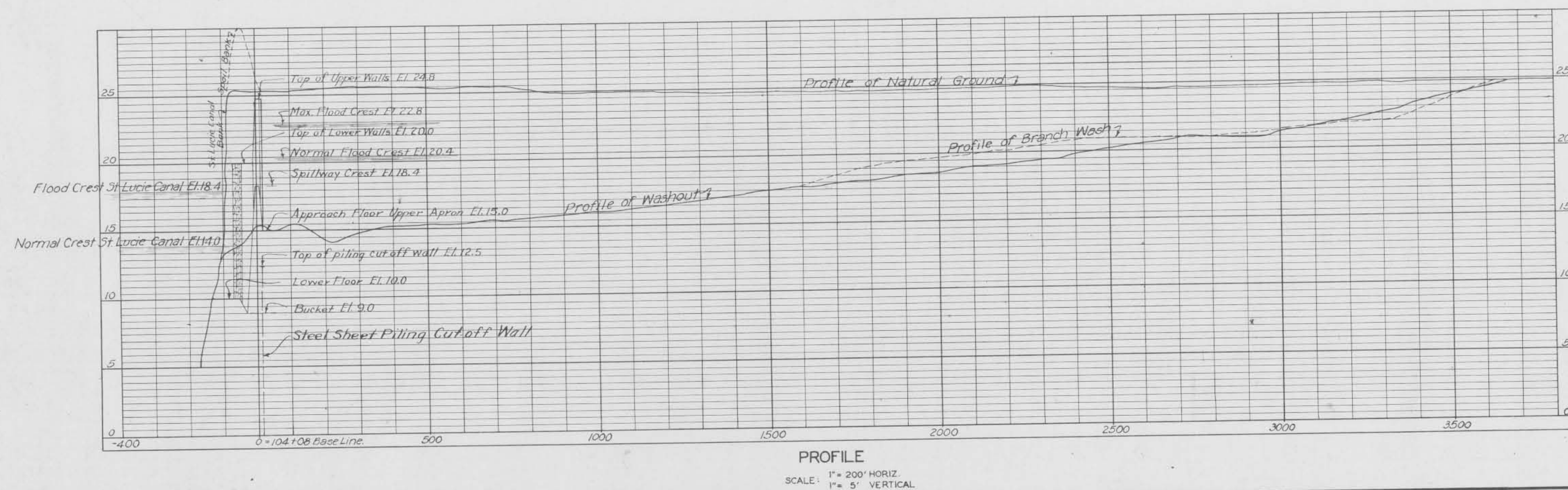
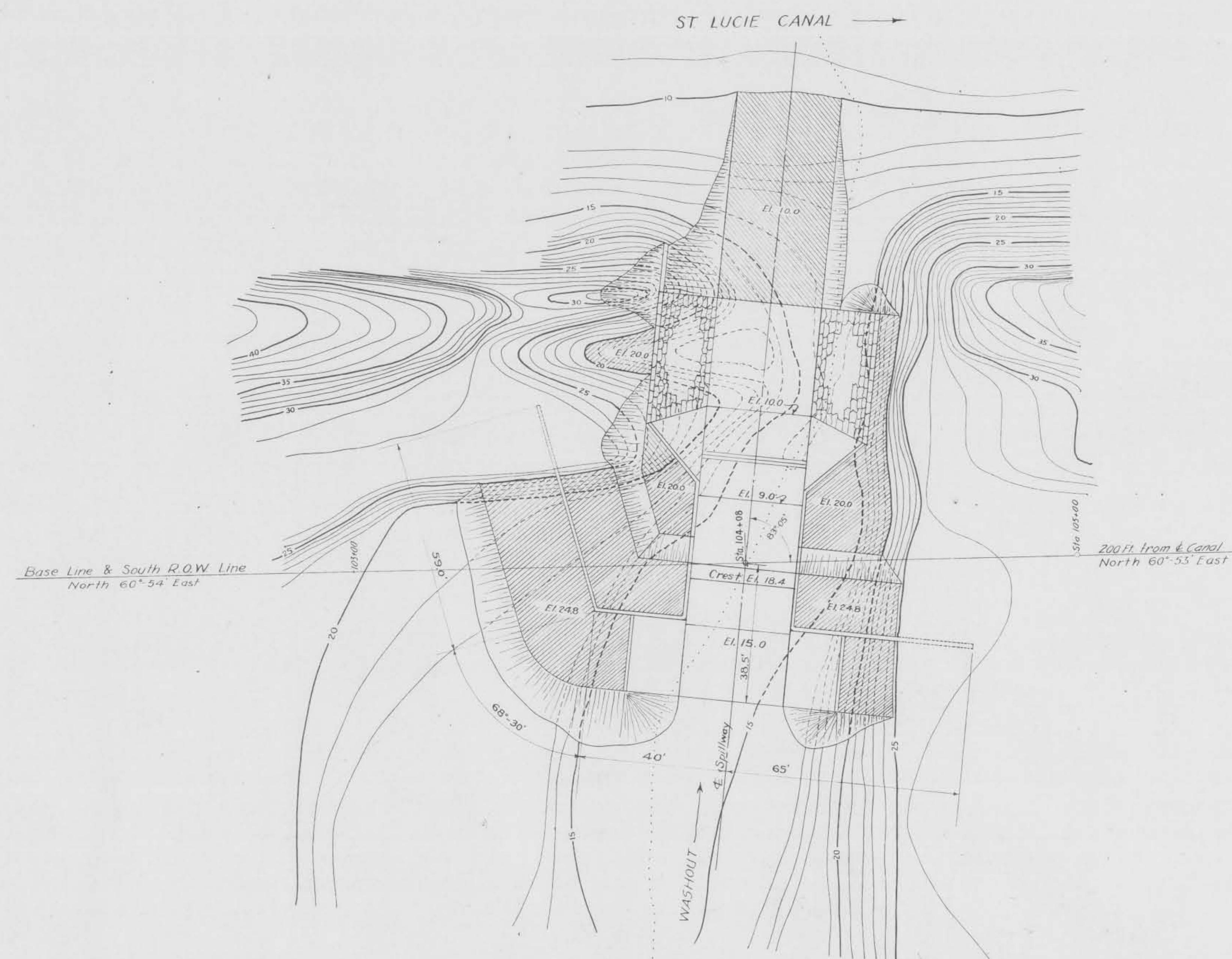
IN 32 SHEETS SCALE: 1"=10'-0" SHEET NO. 15

U. S. ENGINEER OFFICE-JACKSONVILLE, FLORIDA, MAY 1933.

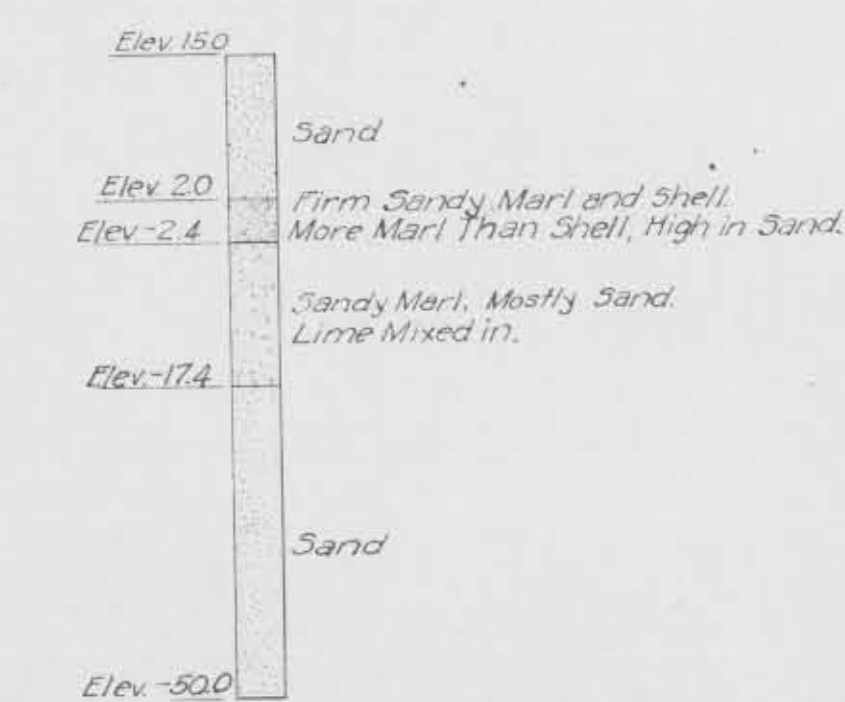
APPROVED: DATE JULY 18, 1933.
OKEECHOBEE FLOOD CONTROL DISTRICT.
SUBMITTED: RECOMMENDED FOR APPROVAL: APPROVED:
G. T. A. Schmitt Associate Engineer R. A. Nelson Major, Corps of Engineers
BY J. B. Hill Consulting Engineer
DRAWN BY: G. T. A. TRACED BY: G. T. A. CHECKED BY: G. T. A. & L. L.
FILE NO. 152-9199
TO ACCOMPANY SPECIFICATIONS DATED: AUG. 19, 1934.

120B-9199

WAR DEPARTMENT.



Note: All earth slopes shown on this sheet to be 1 1/2 to 1.



CORE DRILL SECTION
STATION 104 + 00
DATE JULY 18, 1933
OKEECHOBEE FLOOD CONTROL DISTRICT.
BY *James P. Sells*
CONSULTING ENGINEER

CALOOSAHATCHEE RIVER AND LAKE OKEECHOBEE DRAINAGE AREAS, FLORIDA.

ST. LUCIE CANAL DRAINAGE SPILLWAYS LAYOUT OF SPILLWAY NO. 1 "MAYACA"

IN 32 SHEETS SHEET NO. 16 SCALE: AS SHOWN.

U.S. ENGINEER OFFICE—JACKSONVILLE, FLORIDA. MAY 1933.

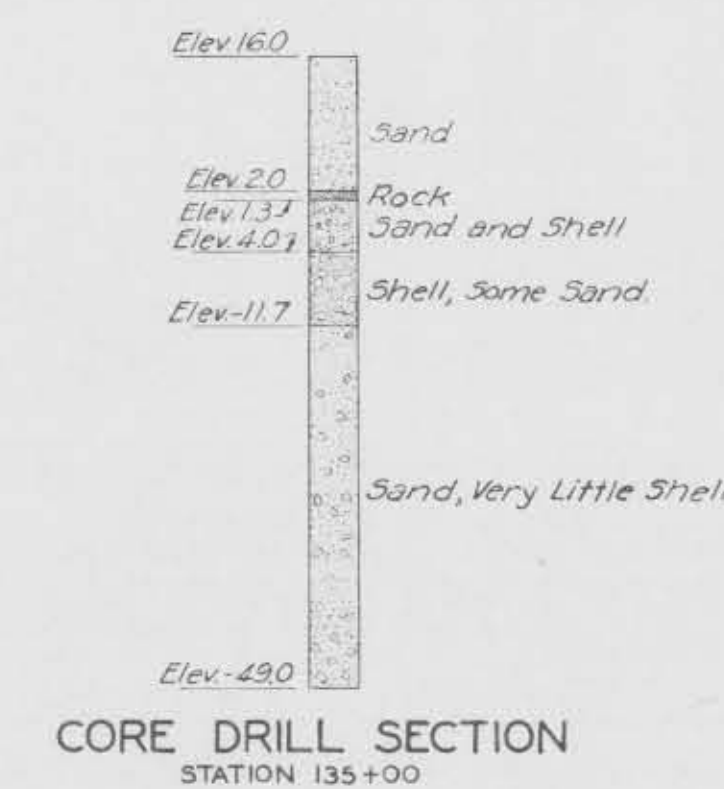
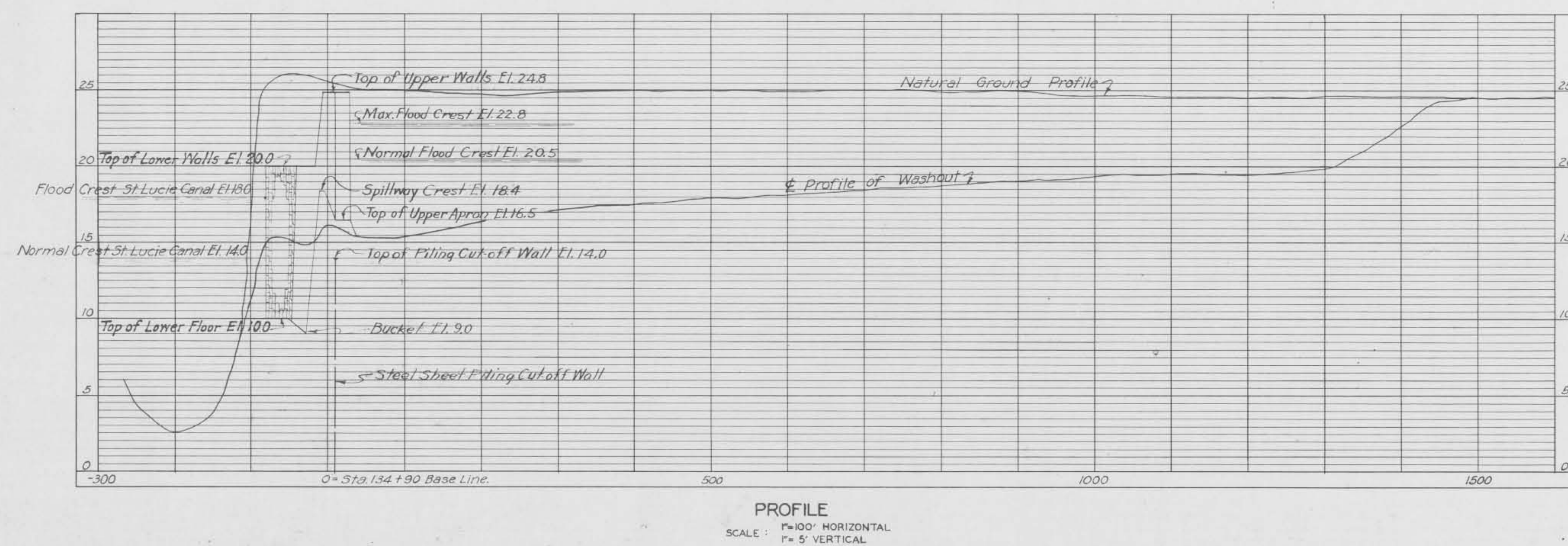
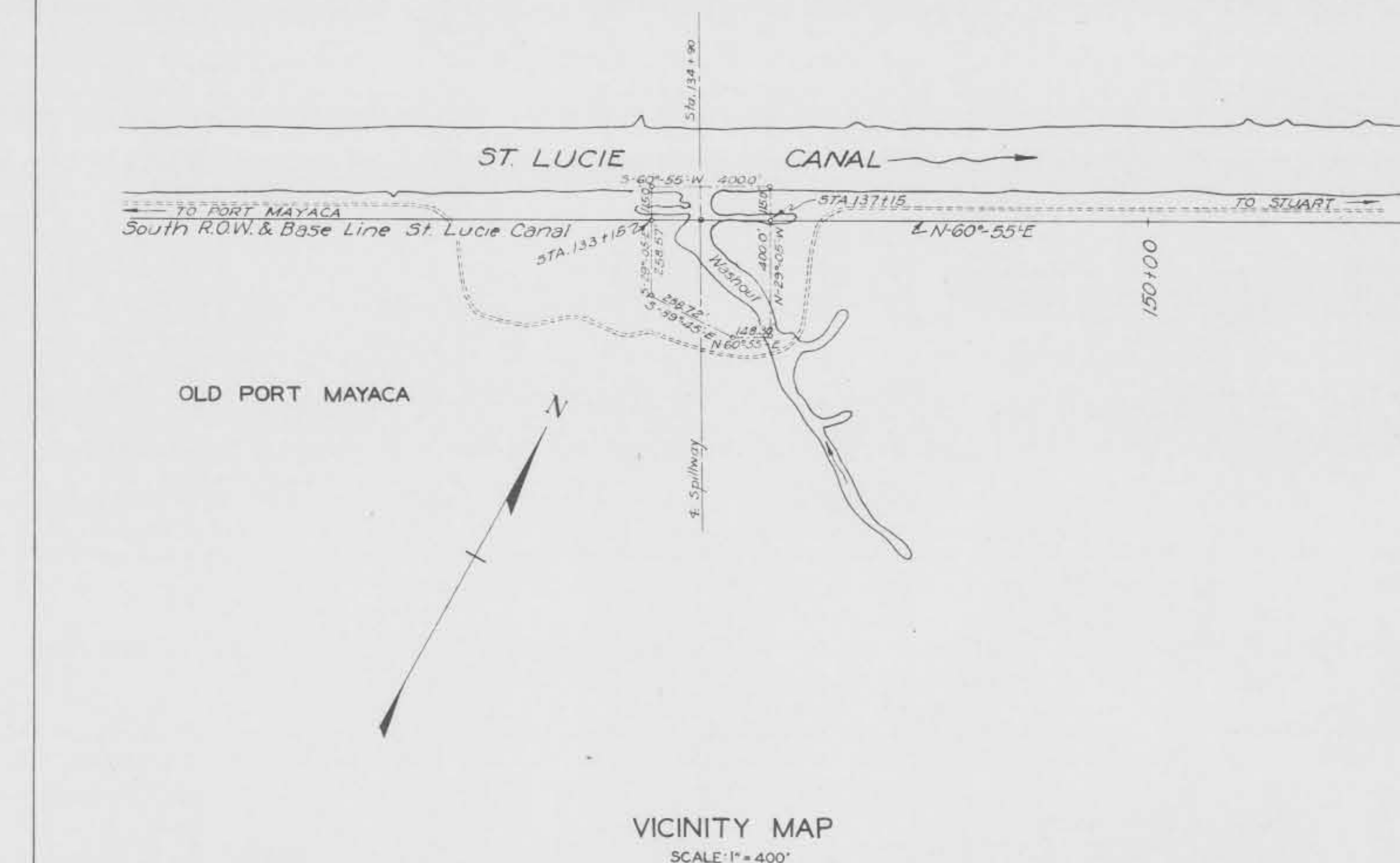
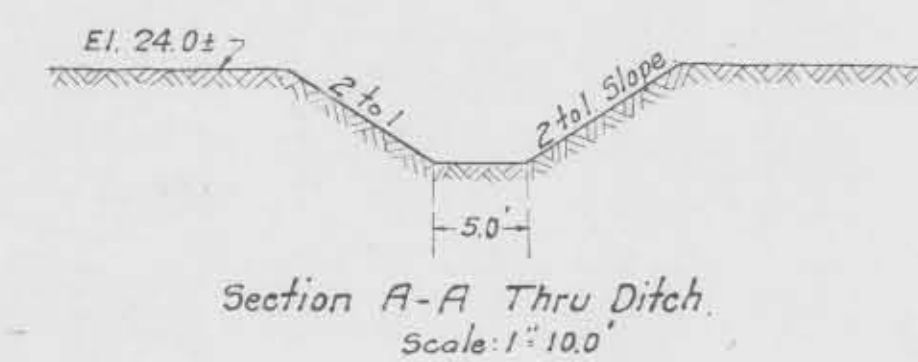
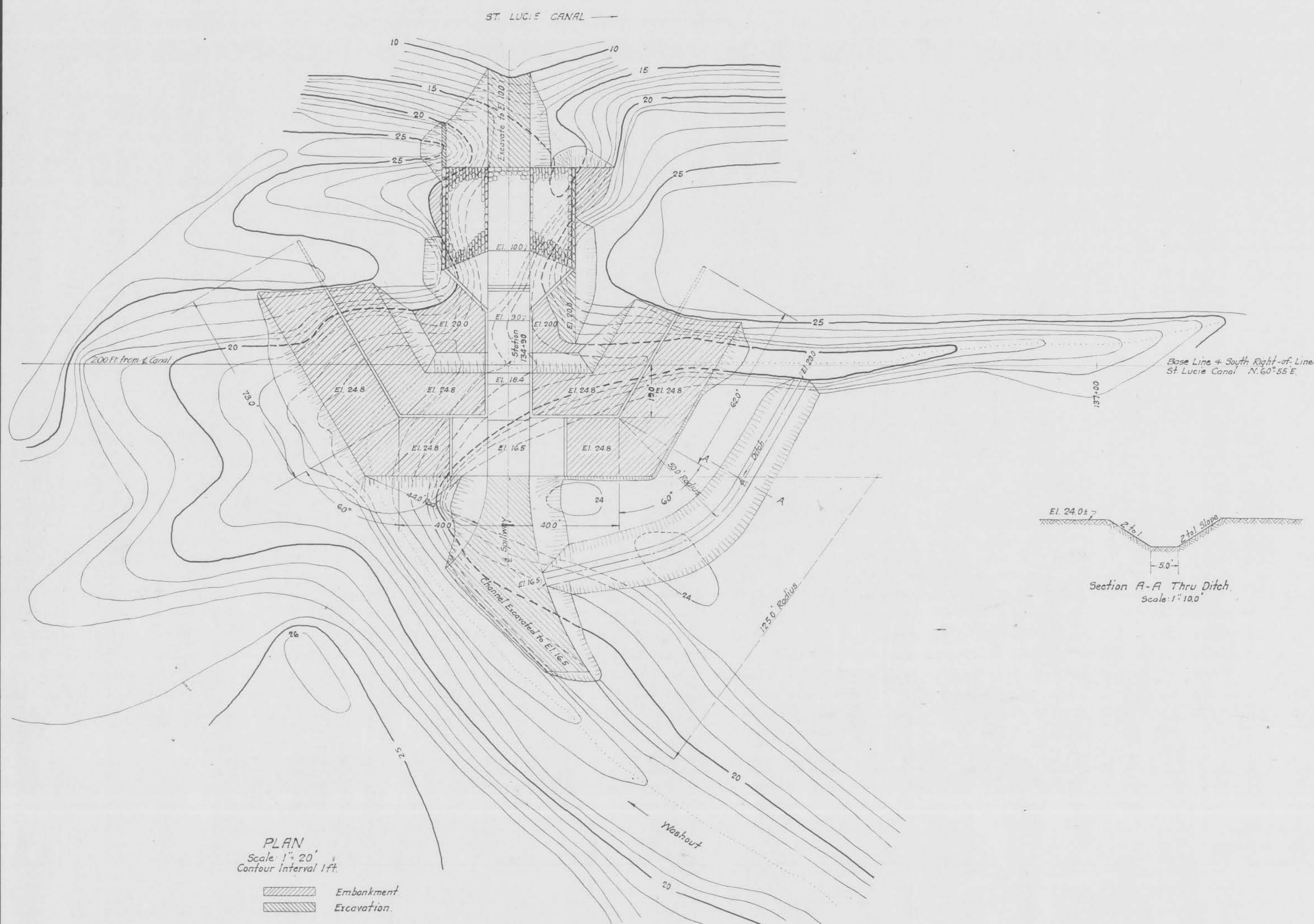
SUBMITTED: RECOMMENDED FOR APPROVAL: APPROVED:

C. C. Schwartz *Larawan Nelson* *James P. Sells*
ASSOCIATE ENGINEER ENGINEER MAJOR, CORPS OF ENGINEERS

FILE NO. 152-9199 TO ACCOMPANY SPECIFICATIONS DATED: AUG. 16, 1934.

DRAWN BY: M.S. CHECKED BY: G.T.A.

120B-9199



Note:
All earth slopes shown on
this sheet to be 1 1/2 to 1
unless otherwise shown.

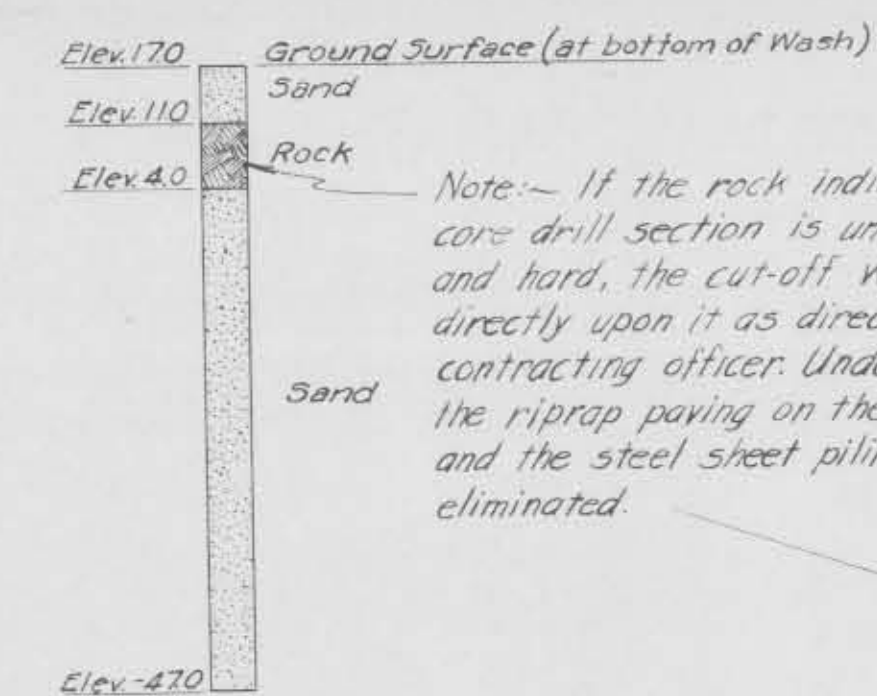
**CALOOSAHATCHEE RIVER AND LAKE
OKEECHOBEE DRAINAGE AREAS, FLORIDA.
ST. LUCIE CANAL DRAINAGE SPILLWAYS
LAYOUT OF SPILLWAY NO. 2**

IN 32 SHEETS SCALE: AS SHOWN SHEET No. 17.

U. S. ENGINEER OFFICE—JACKSONVILLE, FLORIDA, MAY 1933.

APPROVED:	DATE JULY 18, 1933.	SUBMITTED:	RECOMMENDED FOR APPROVAL:	APPROVED:
OKEECHOBEE FLOOD CONTROL DISTRICT.		L. C. Schorony ASSOCIATE ENGINEER	Caraman Nelson ENGINEER	MAJOR, CORPS OF ENGINEERS
BY: <i>James B. Wells</i> CONSULTING ENGINEER.		DRAWN BY: M.S. TRACED BY: F.P.B. & W.C.B. CHECKED BY: G.T.A.	FILE NO. 152-9199-	TO ACCOMPANY SPECIFICATIONS DATED: AUG. 16, 1934.

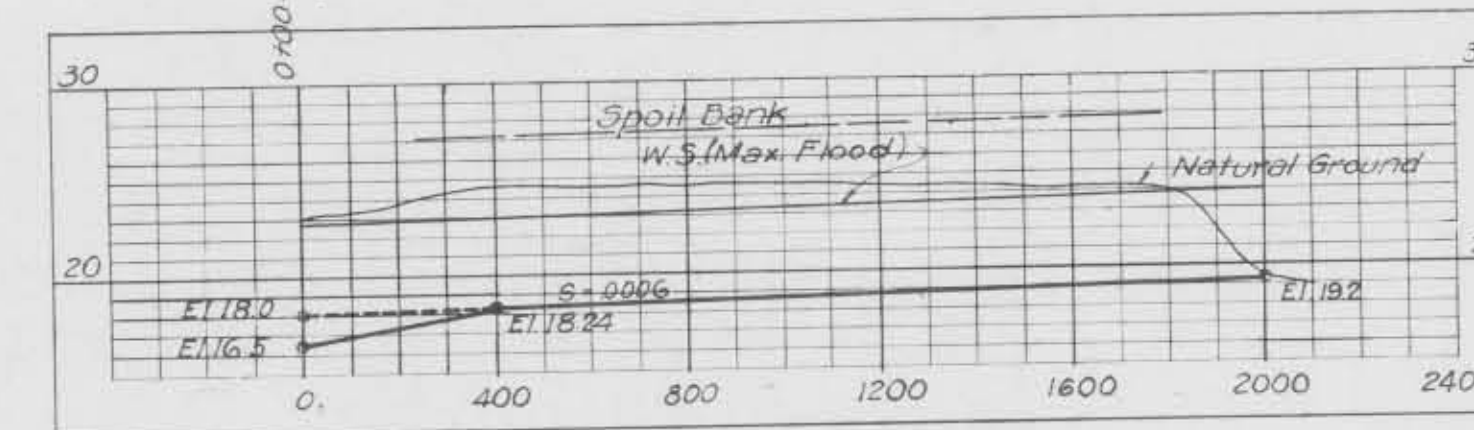
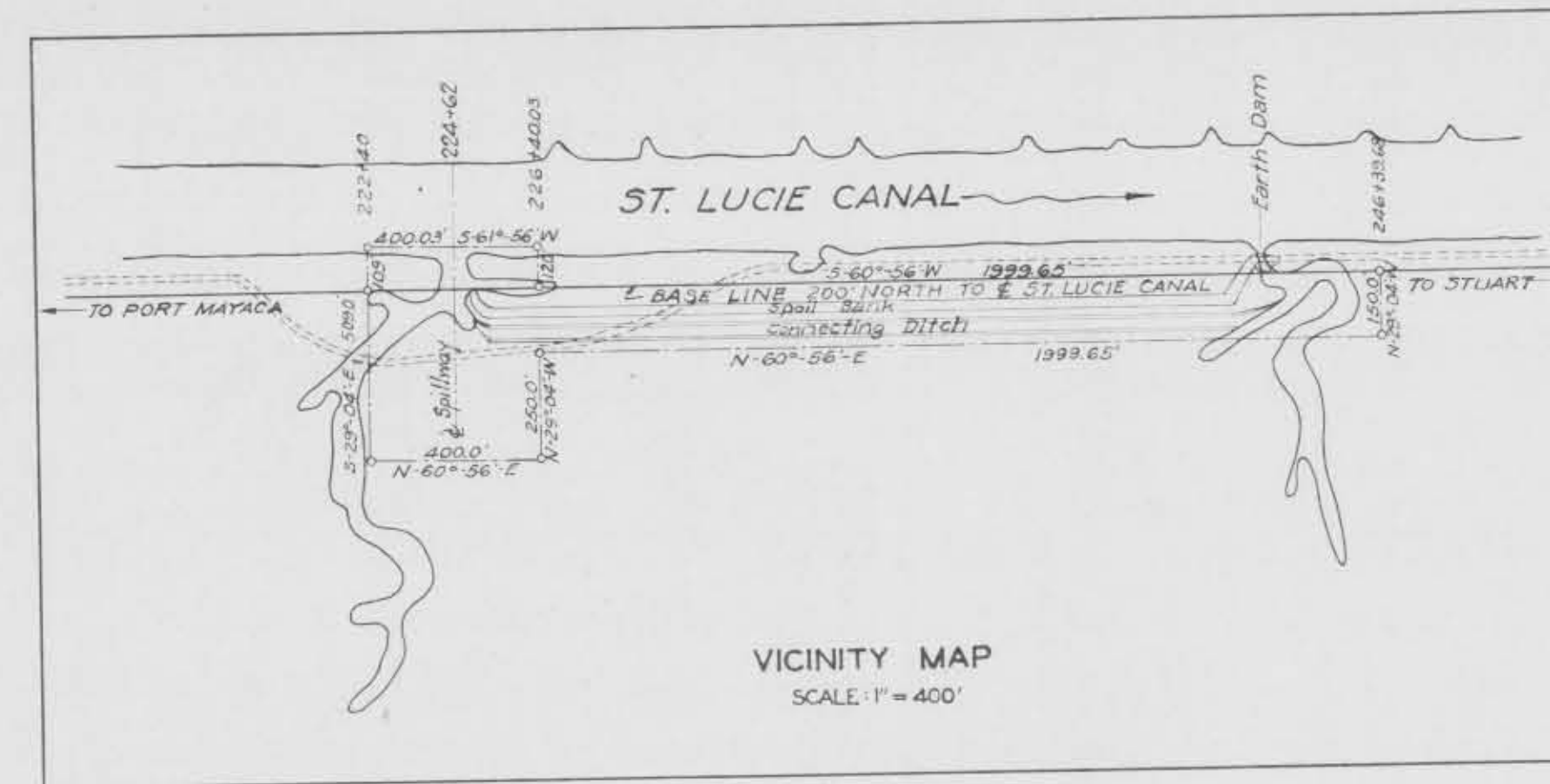
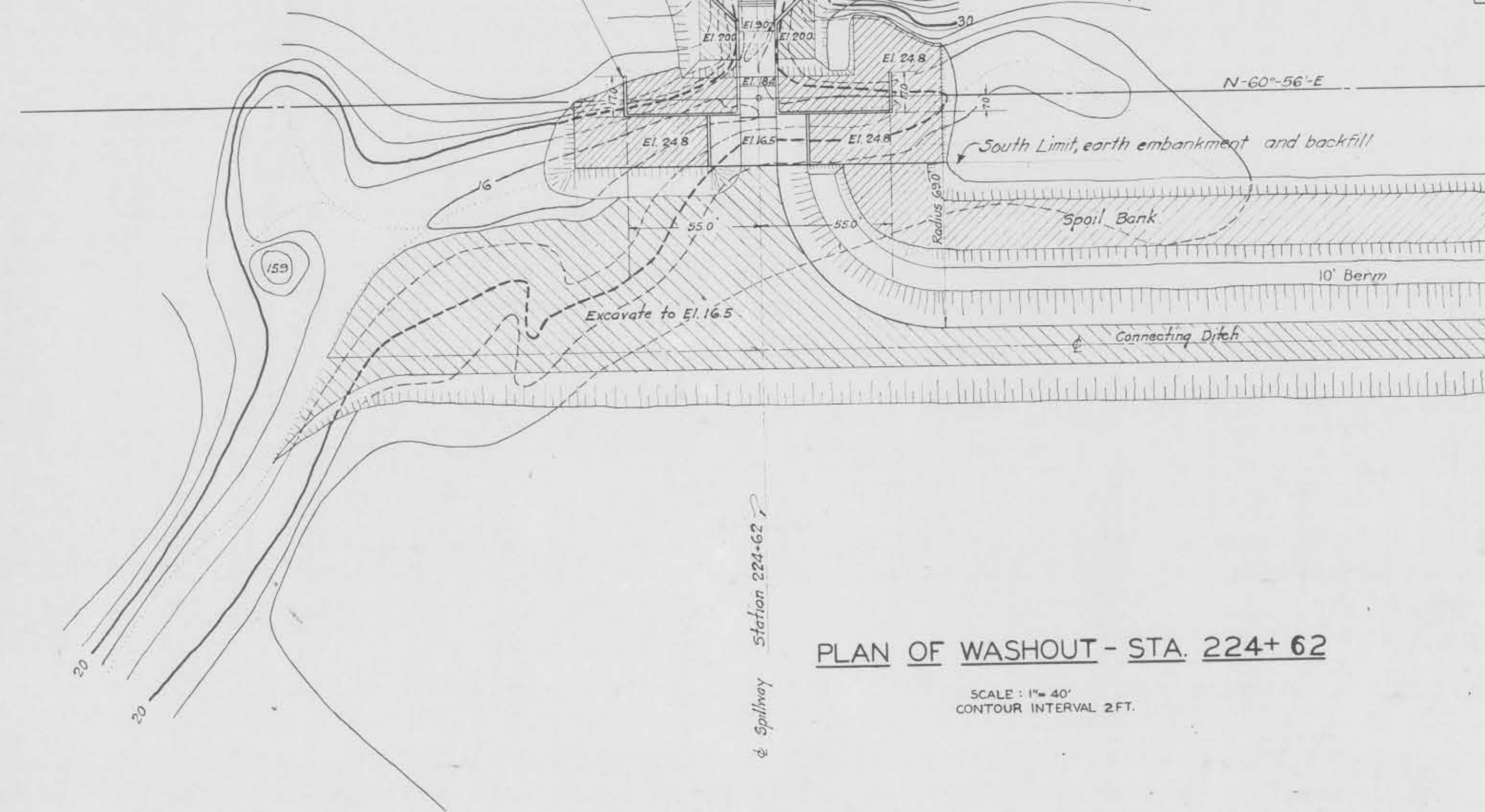
120B-9199



Note: If the rock indicated in the core drill section is uniformly thick and hard, the cut-off wall shall bear directly upon it as directed by the contracting officer. Under this condition, the riprap paving on the lower floor and the steel sheet piling shall be eliminated.

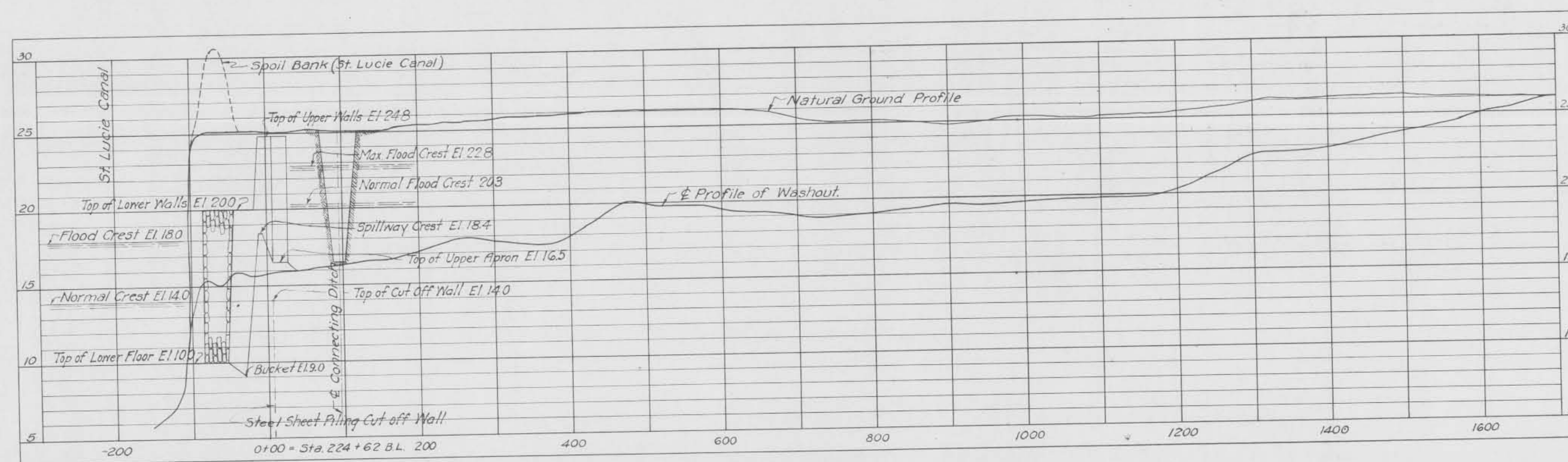
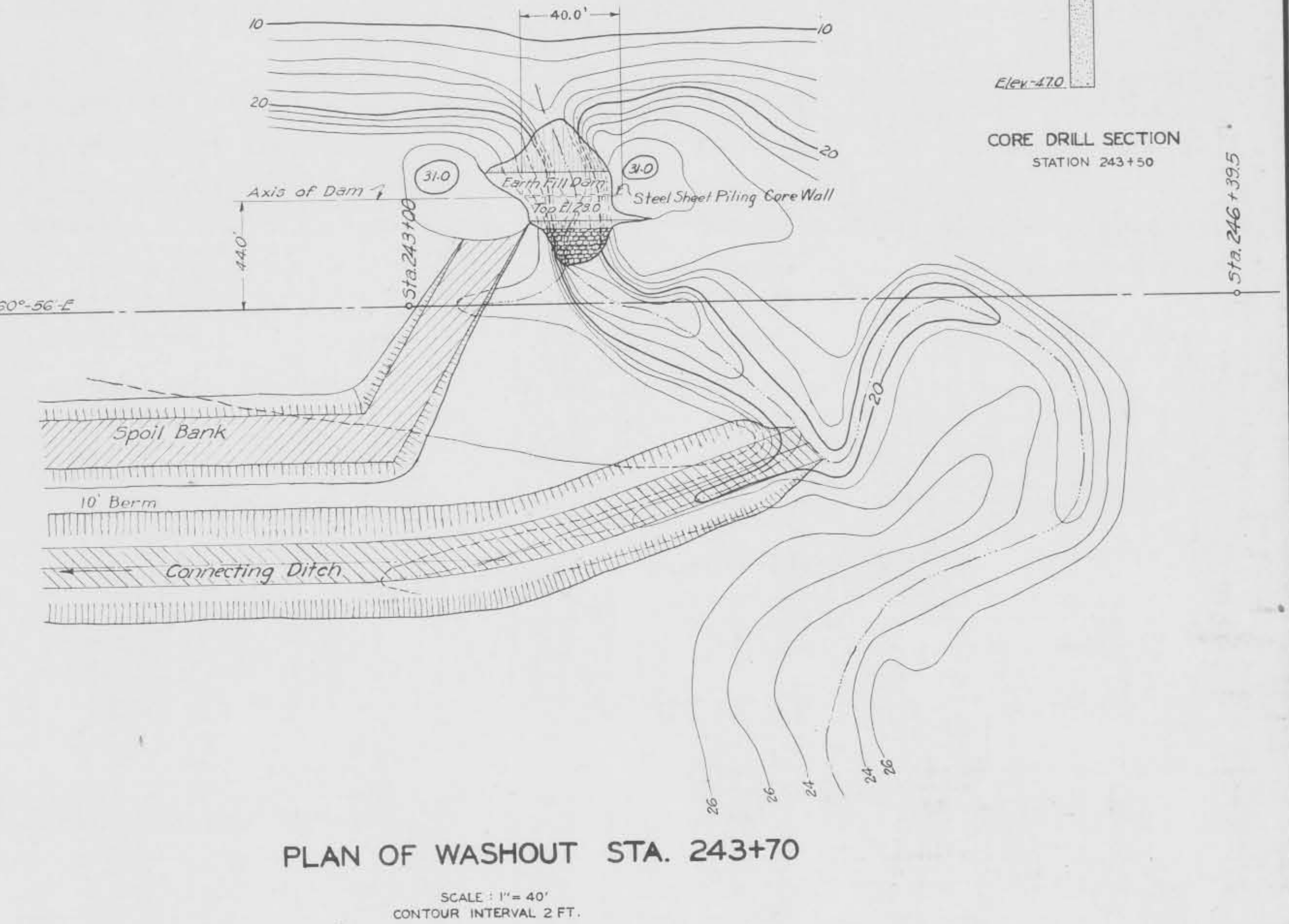
ST. LUCIE CANAL

Core Drill Section
STATION 224+50

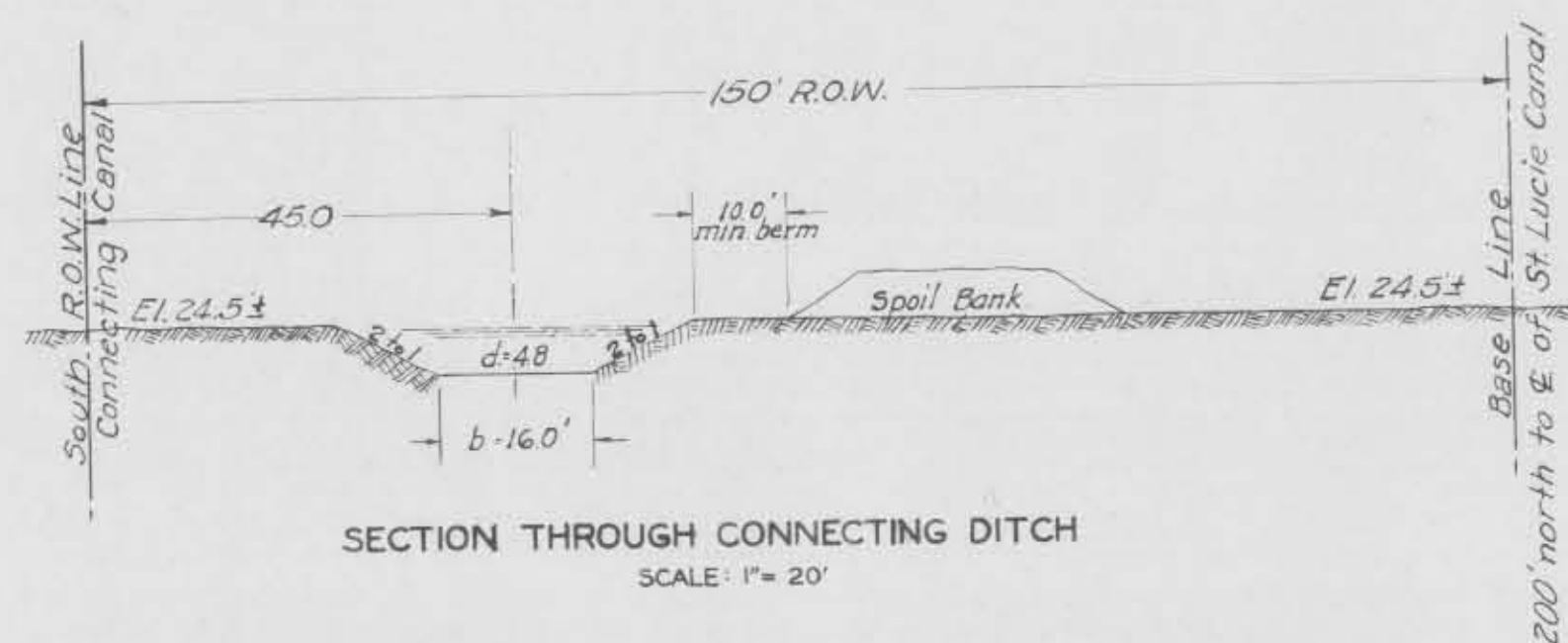


HYDRAULIC PROPERTIES
Q = 327 cfs d = 4.50'
A = 123° r = 3.28'
V = 2.66/sec S = 0.0006
b = 16.0 ft = 0.39

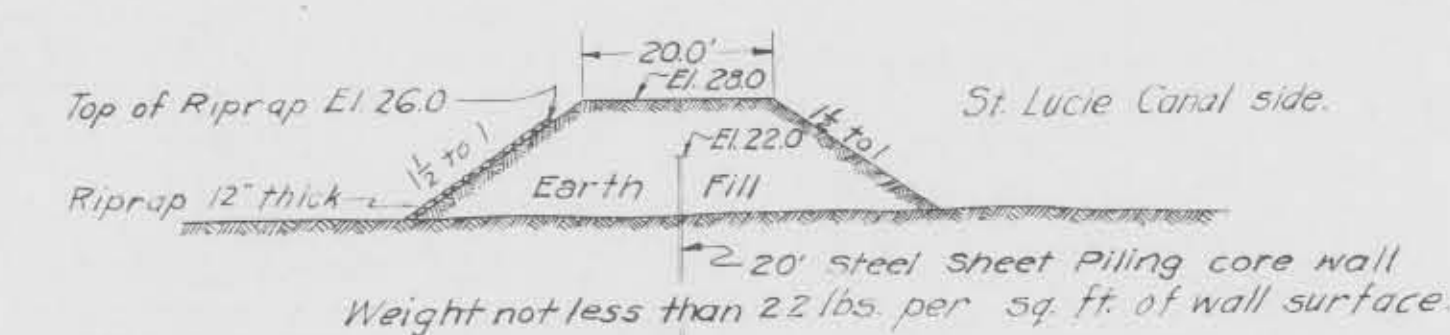
ST. LUCIE CANAL



PROFILE OF WASHOUT - STA. 224+62



Note: All earth slopes shown on this sheet to be 1 1/2 to 1 unless otherwise noted.

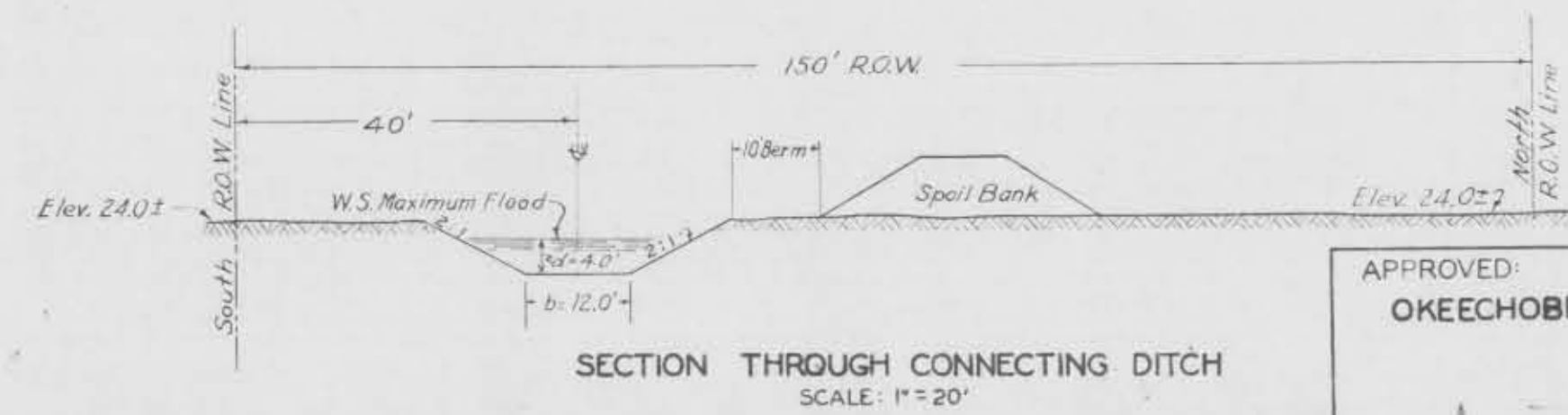
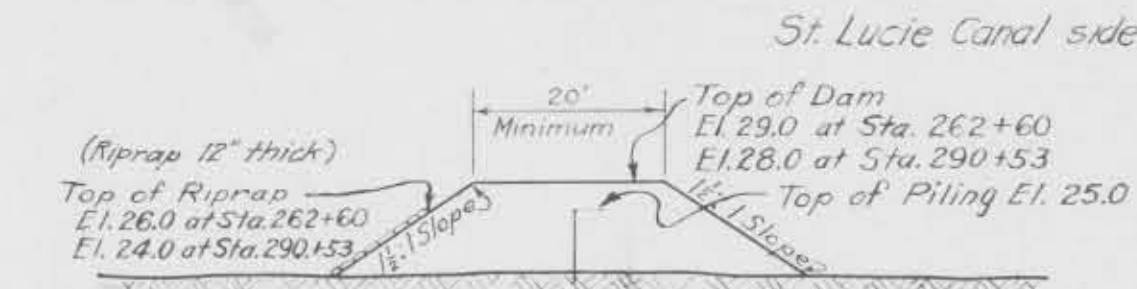
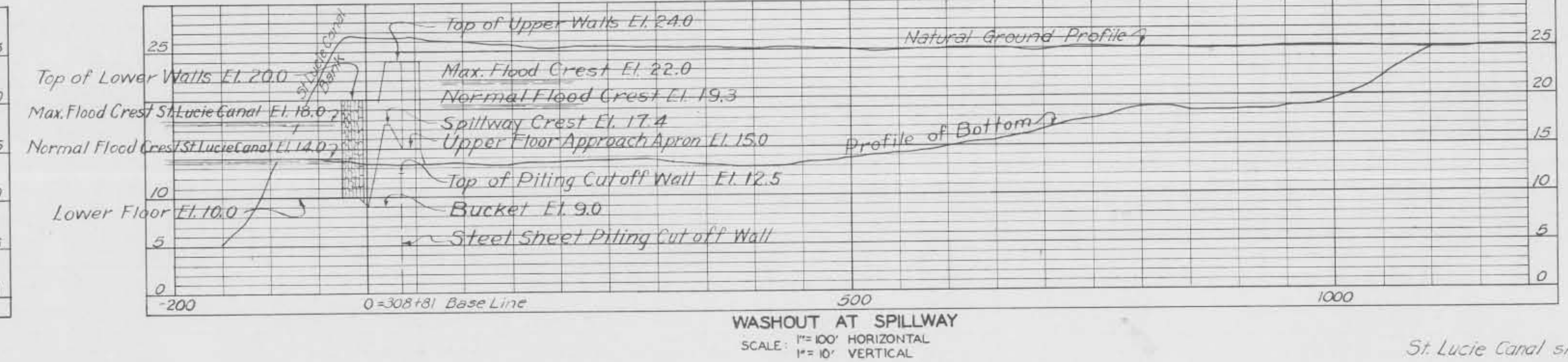
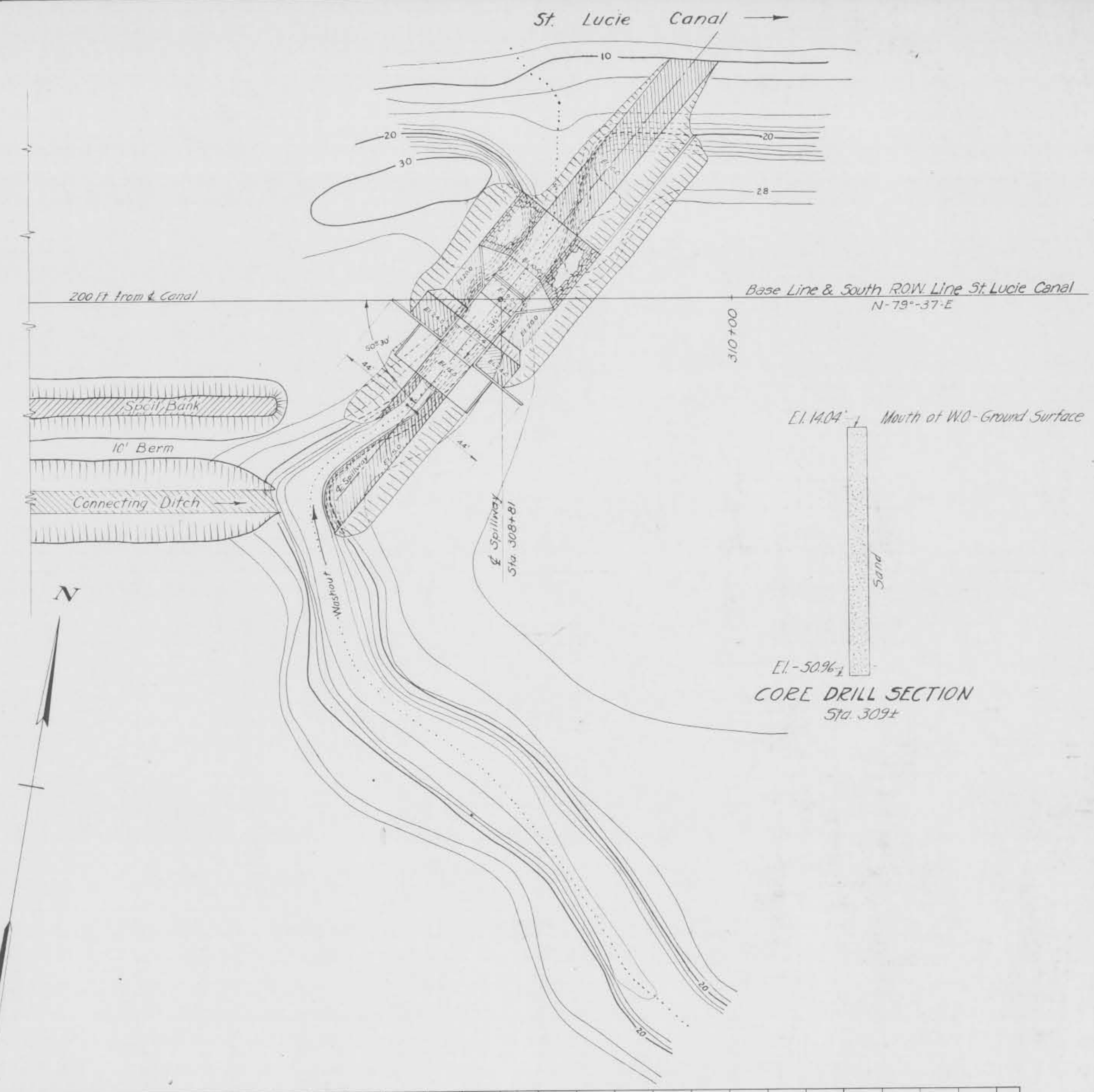


APPROVED: DATE: JULY 18, 1933.
OKEECHOBEE FLOOD CONTROL DISTRICT.

BY: J. B. White
CONSULTING ENGINEER

CALOOSAHATCHEE RIVER AND LAKE OKEECHOBEE DRAINAGE AREAS, FLORIDA.		
ST. LUCIE CANAL DRAINAGE SPILLWAYS		
LAYOUT OF SPILLWAY NO. 3		
"B"		
IN 32 SHEETS	SCALE: AS SHOWN	SHEET NO. 18
U. S. ENGINEER OFFICE - JACKSONVILLE, FLORIDA, MAY 1933.		
SUBMITTED:	RECOMMENDED FOR APPROVAL:	APPROVED:
L. L. Schorath ASSOCIATE ENGINEER	C. A. Wilson ENGINEER	J. B. White MAJOR, CORPS OF ENGINEERS
DRAWN BY: M. S. TRACED BY: F. B. & W. C. CHECKED BY: S. T. A.	FILE NO. 152-9199	TO ACCOMPANY SPECIFICATIONS DATED: AUG. 16, 1934.

120B-9199



Note:- All earth slopes, except connecting ditch to be $1\frac{1}{2}$ to 1

APPROVED: _____ DATE: JULY 18, 1933.
OKEECHOBEE FLOOD CONTROL DISTRICT.

BY George B. Wells
CONSULTING ENGINEER.

CALOOSA HATCHEE RIVER AND LAKE
OKEECHOBEE DRAINAGE AREAS, FLORIDA.
ST LUCIE CANAL DRAINAGE SPILLWAYS
LAYOUT OF SPILLWAY NO. 4

IN 32 SHEETS

SCALE: AS SHOWN

SHEET No. 19

U. S. ENGINEER OFFICE—JACKSONVILLE, FLORIDA, MAY 1933.

SUBMITTED

RECOMMENDED FOR APPROVAL:	APPROVED:
---------------------------	-----------

L. C. Schmitt

ASSOCIATE ENGINEER

DRAWN BY: M.S.
TRACED BY: E.E.C.

ER	ENGINEER	MAJOR, CORPS OF ENGINEERS
----	----------	---------------------------

FILE NO. 100-2100

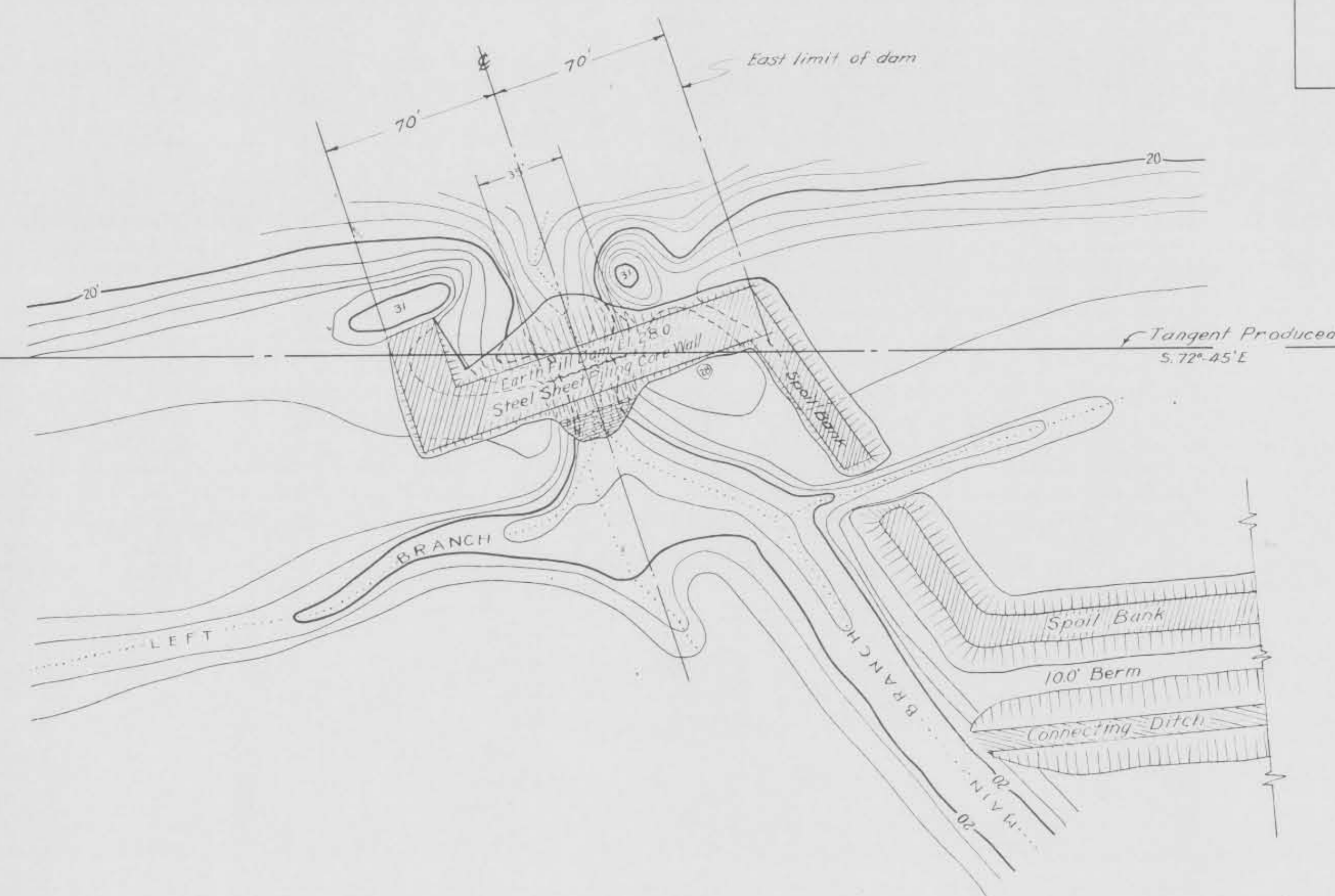
TO ACCOMPANY SPECIFICATIONS
DATED: AUG. 16, 1934.

CHECKED BY: G.T.A.

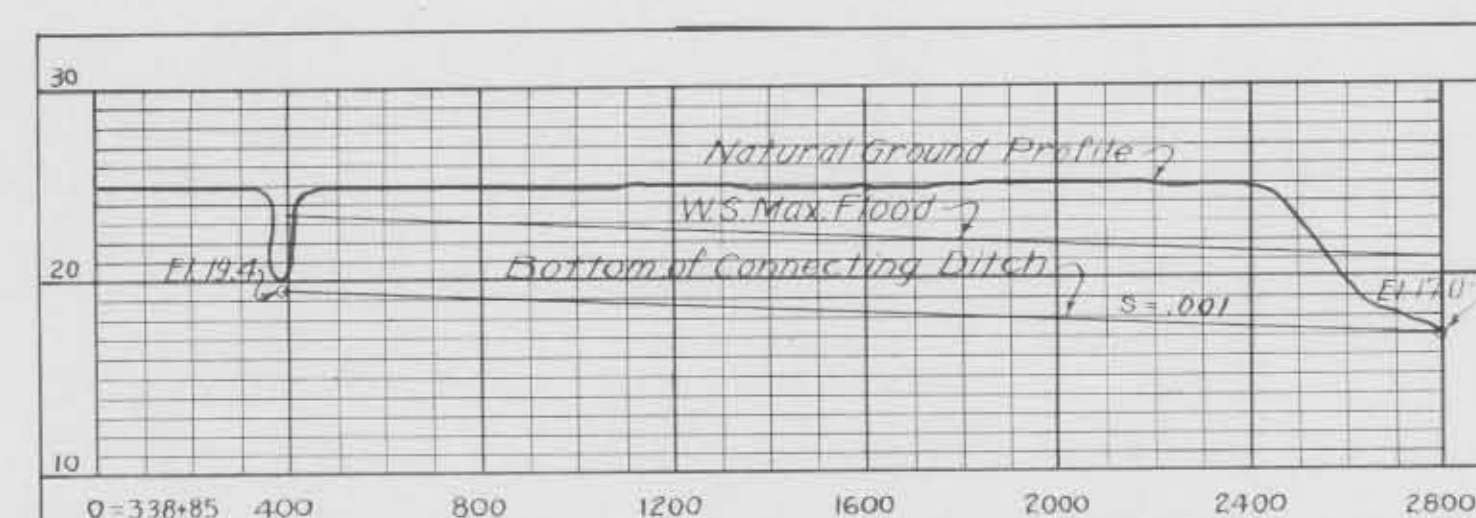
752-9199	
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120B-9199

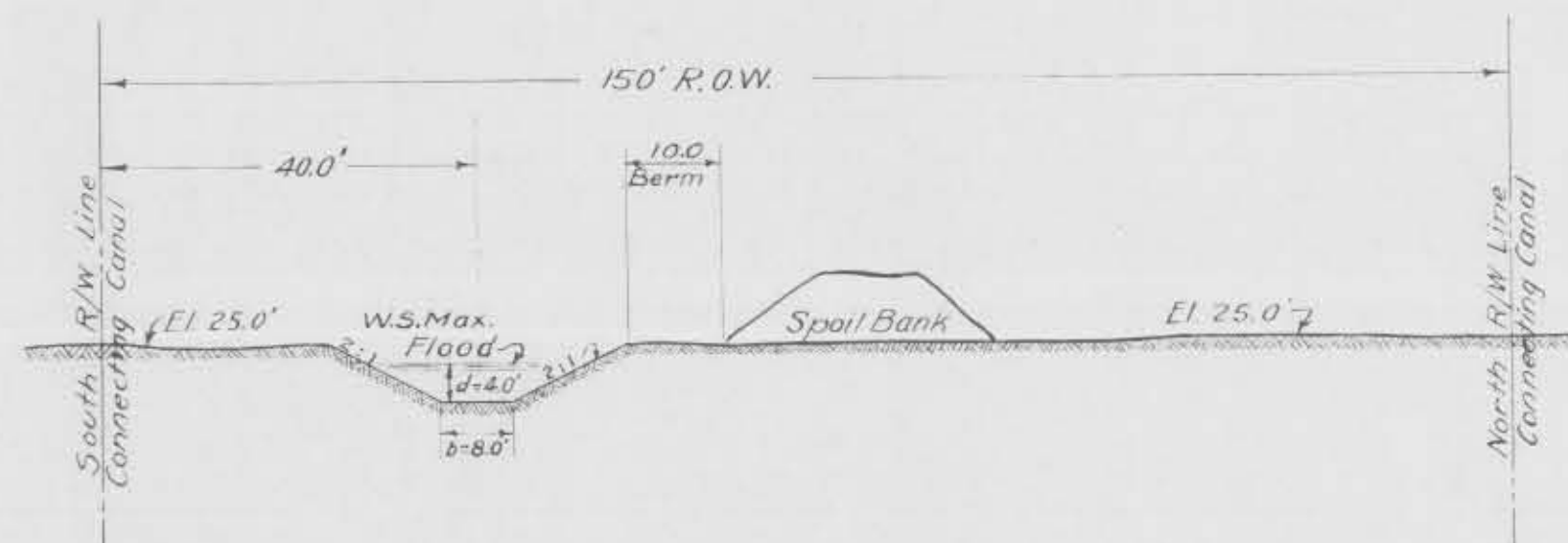
ST. LUCIE CANAL



PLAN OF WASHOUT STA. 341±

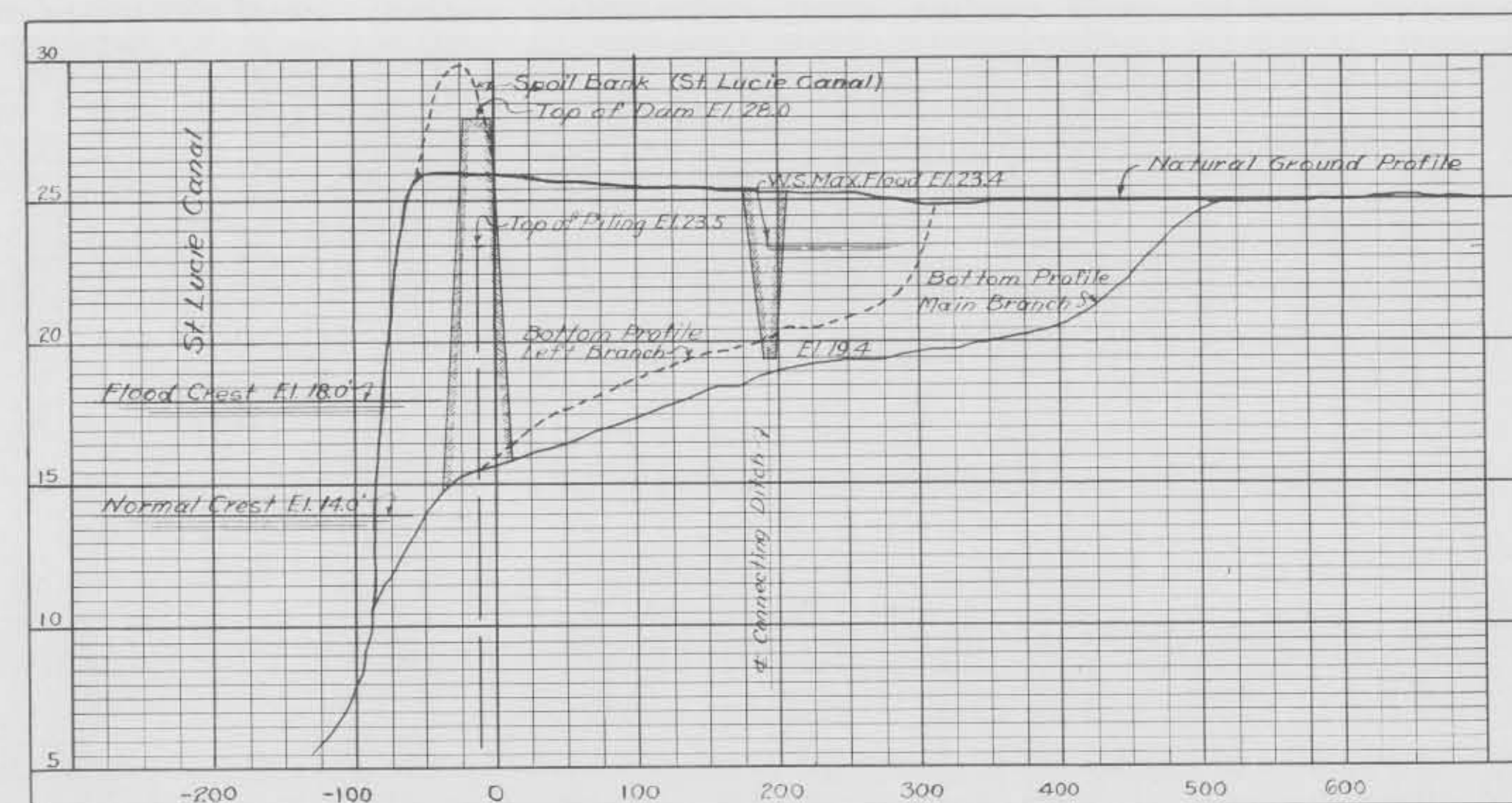
Scale: 1" = 40'
Contour Interval 2'VICINITY MAP
Scale 1" = 400'

PROFILE OF CONNECTING DITCH

Scale: 1" = 400' Horiz.
1" = 10' VerticalHydraulic Properties
Q = 179 cfs. d = 4.0 ft.
A = 64 sq ft. r = 2.47
V = 2.69/sec. s = 0.001
b = 8.0' n = 0.30Embankment
Excavation

SECTION THRU CONNECTING DITCH

Scale: 1" = 20'



PROFILE OF WASHOUT STA. 341±

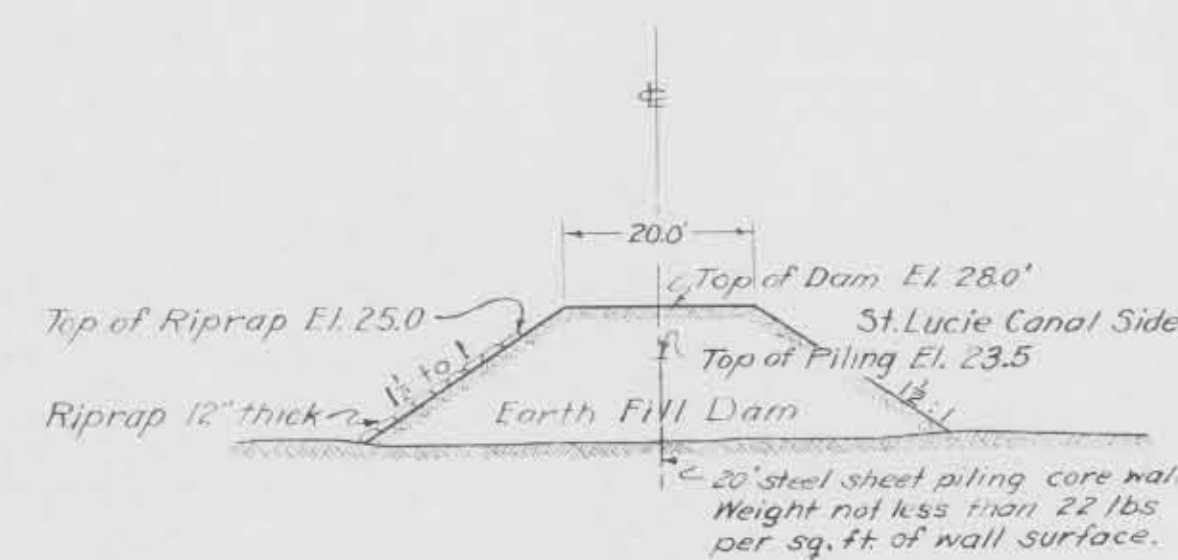
Scale: 1" = 100' Horiz.
1" = 5' Vertical

El. 18.3' Mouth of W.O. - Ground Surface



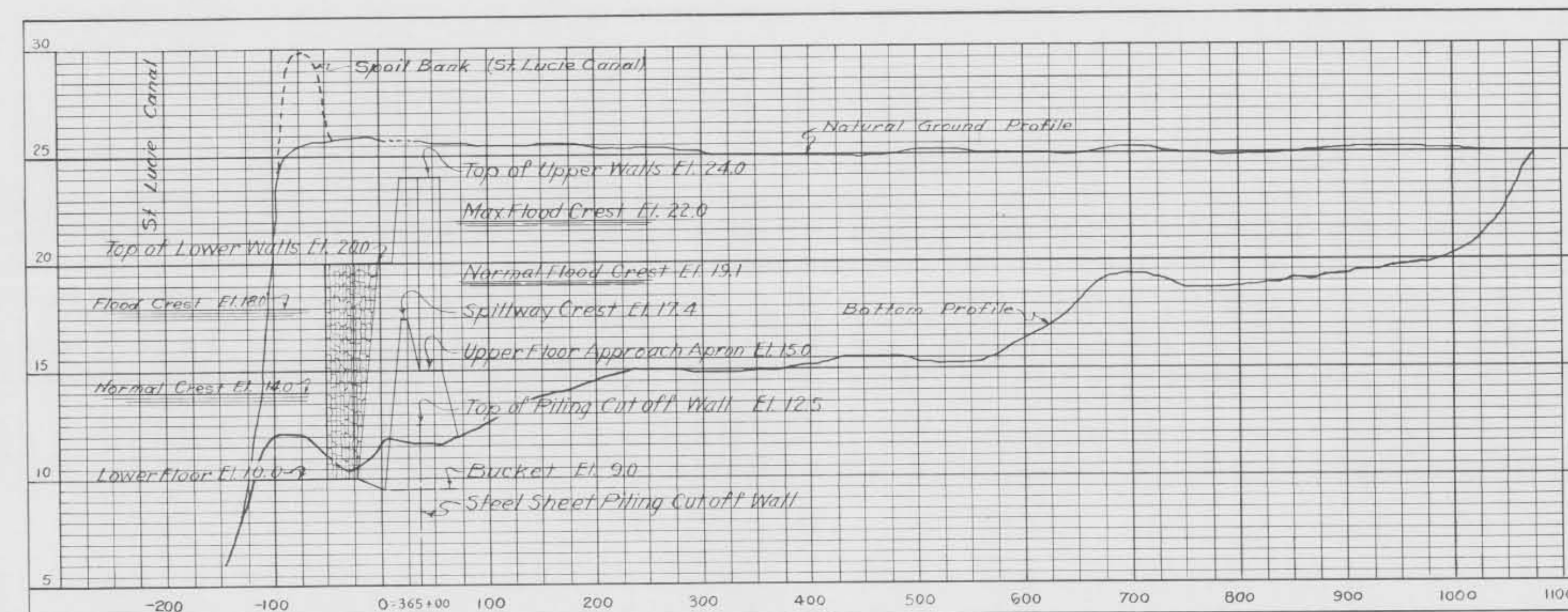
CORE DRILL SECTION

Sta. 341±



SECTION THRU DAM

Scale: 1" = 20'



PROFILE OF WASHOUT STA. 365±

Scale: 1" = 100' Horiz.
1" = 5' Vertical

El. 14.5' Mouth of W.O. - Ground Surface



CORE DRILL SECTION

Sta. 365±

APPROVED: OKEECHOBEE FLOOD CONTROL DISTRICT. DATE: JULY 18, 1933.

BY: J. M. Wells
CONSULTING ENGINEER.Note:
All earth slopes shown on
this sheet to be 1 1/2 to 1
unless otherwise noted.CALOOSAHATCHEE RIVER AND LAKE
OKEECHOBEE DRAINAGE AREAS, FLORIDA.ST. LUCIE CANAL DRAINAGE SPILLWAYS
LAYOUT OF SPILLWAY NO. 5

IN 32 SHEETS

SCALE: AS SHOWN

SHEET No. 20

U. S. ENGINEER OFFICE - JACKSONVILLE, FLORIDA, MAY 1933.

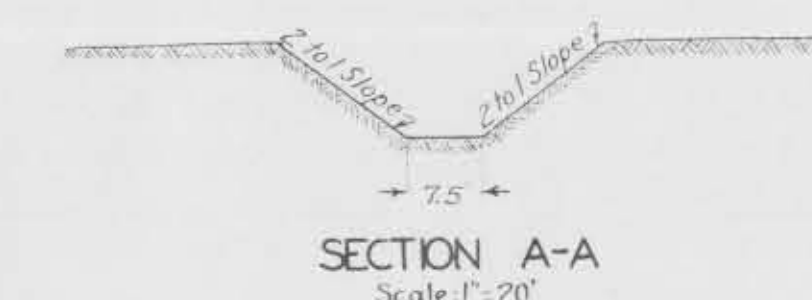
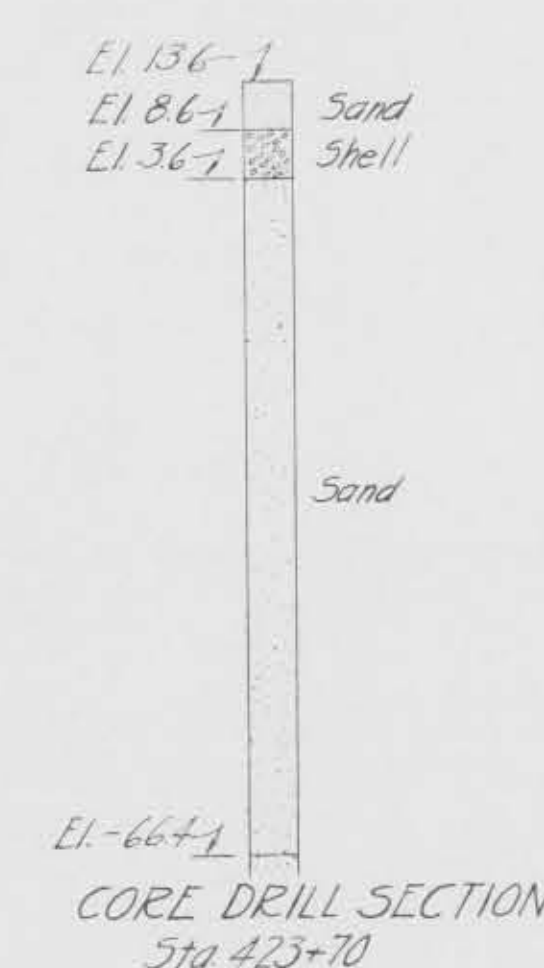
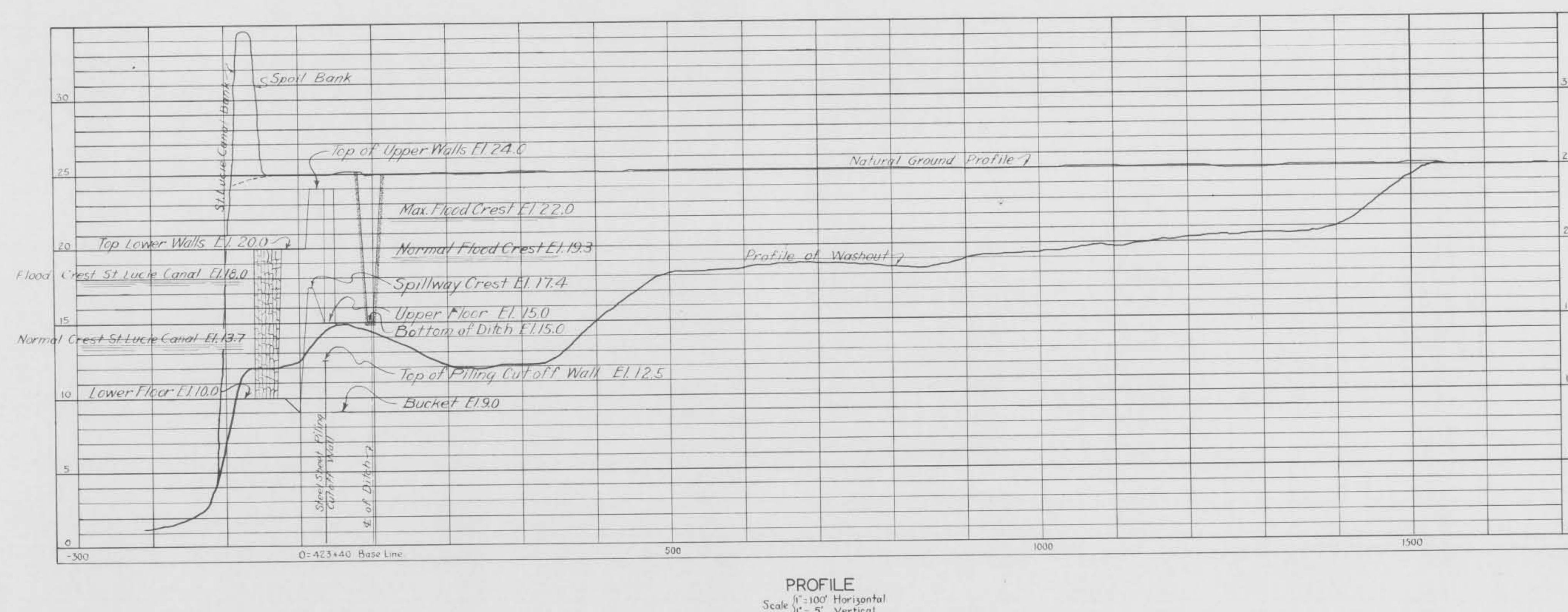
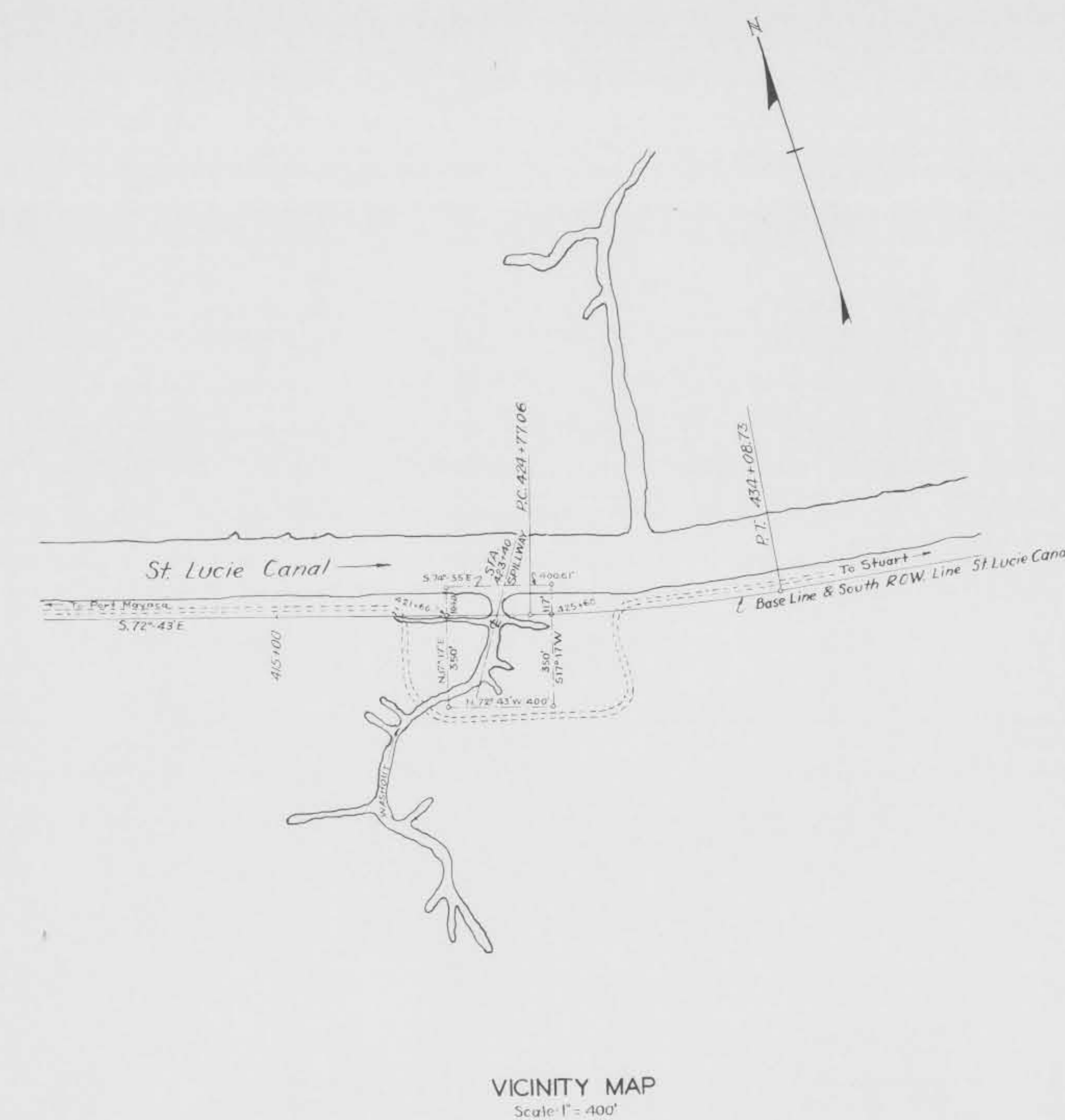
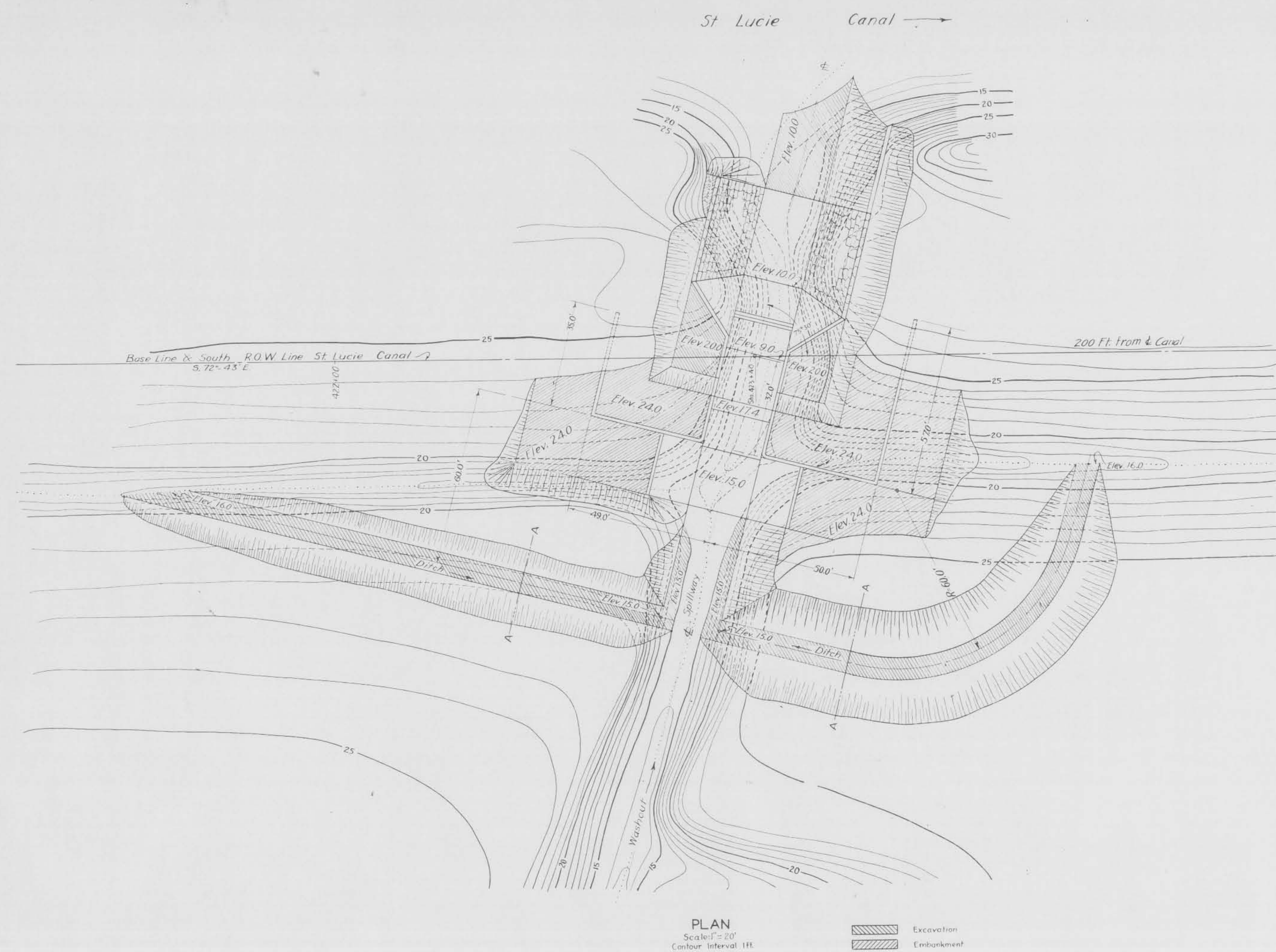
SUBMITTED: RECOMMENDED FOR APPROVAL: APPROVED:

J. C. Schmitt, Associate Engineer, J. M. Wells, Consulting Engineer, J. M. Wells, Consulting Engineer.

DRAWN BY: M. S. TRACED BY: E. C. CHECKED BY: S. T. A.

FILE NO. 158-999-1. TO ACCOMPANY SPECIFICATIONS DATED: AUG 16, 1934.

1208-7, 77

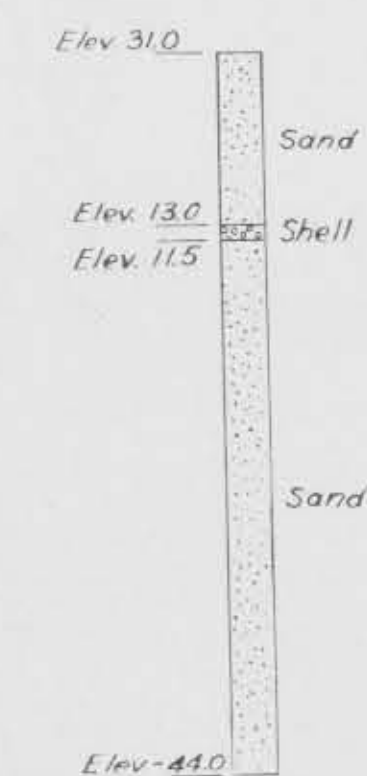
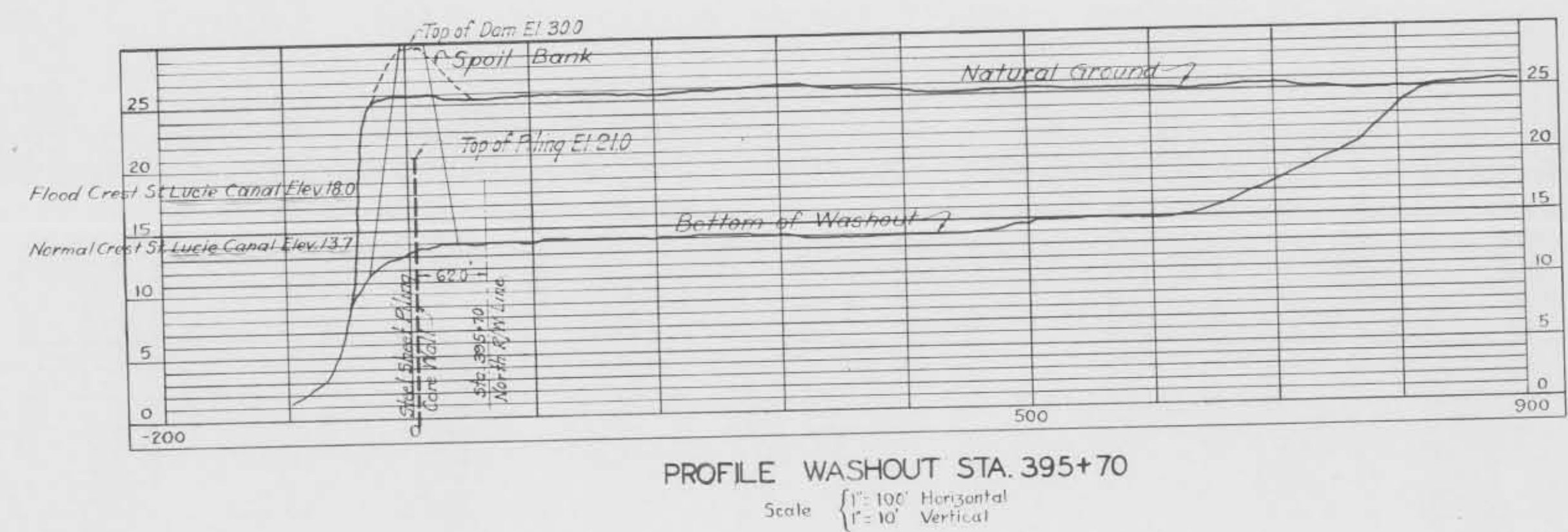
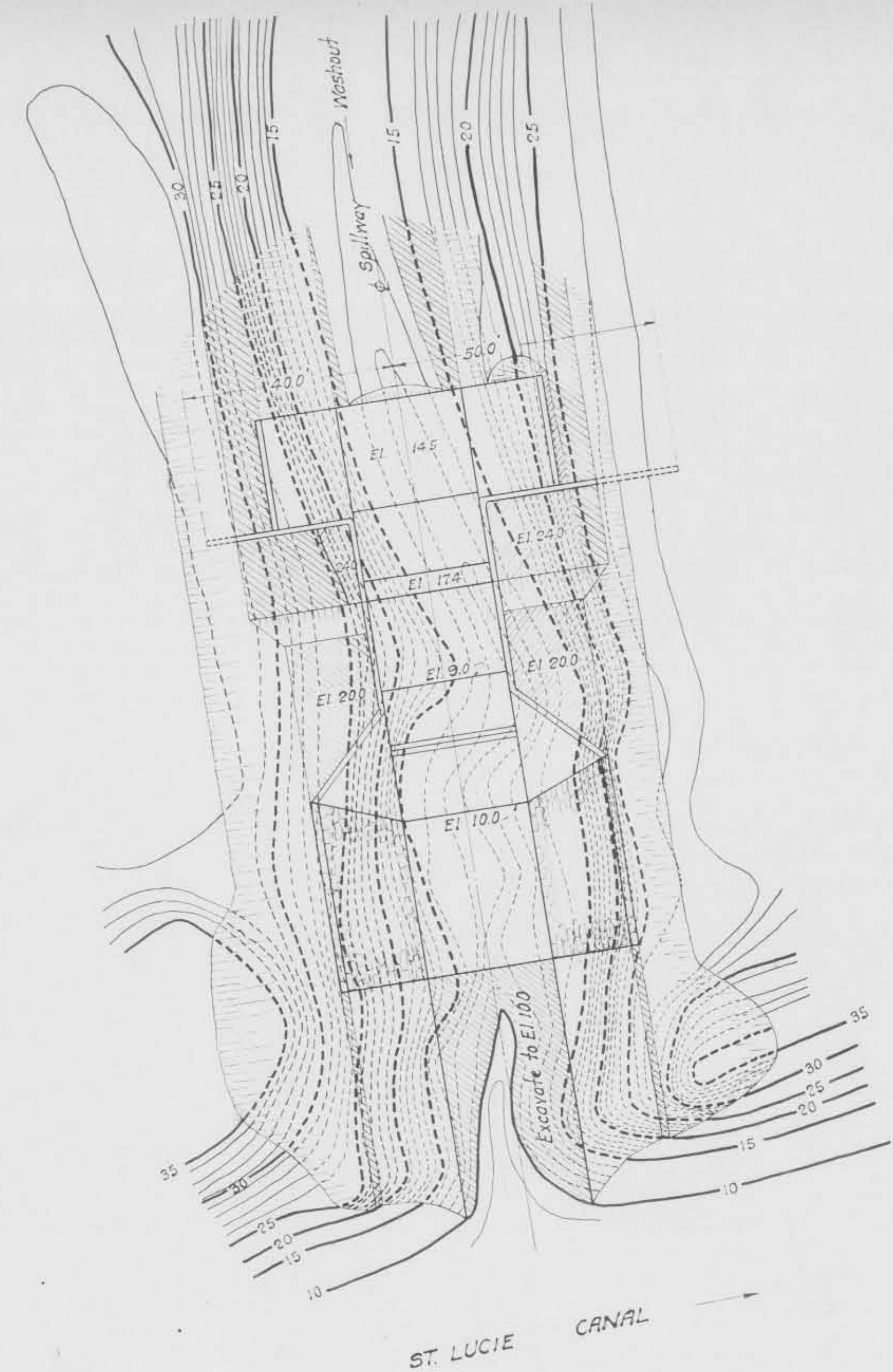
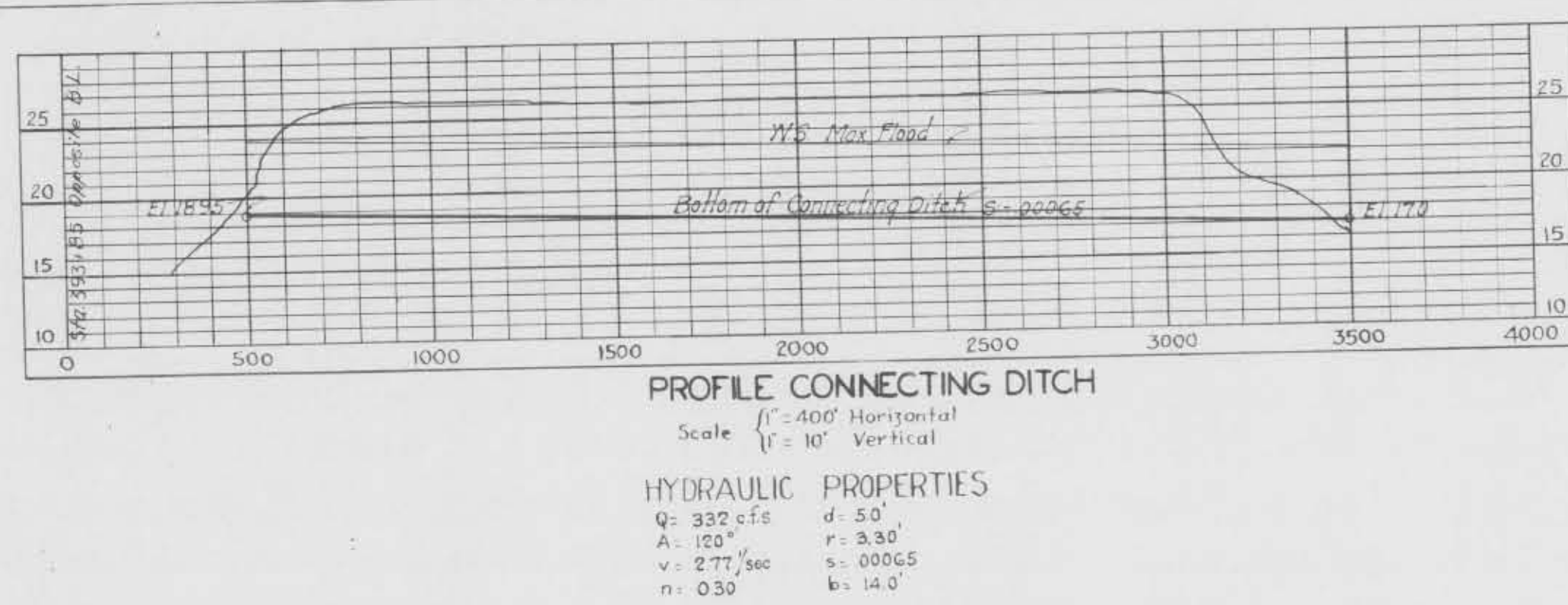
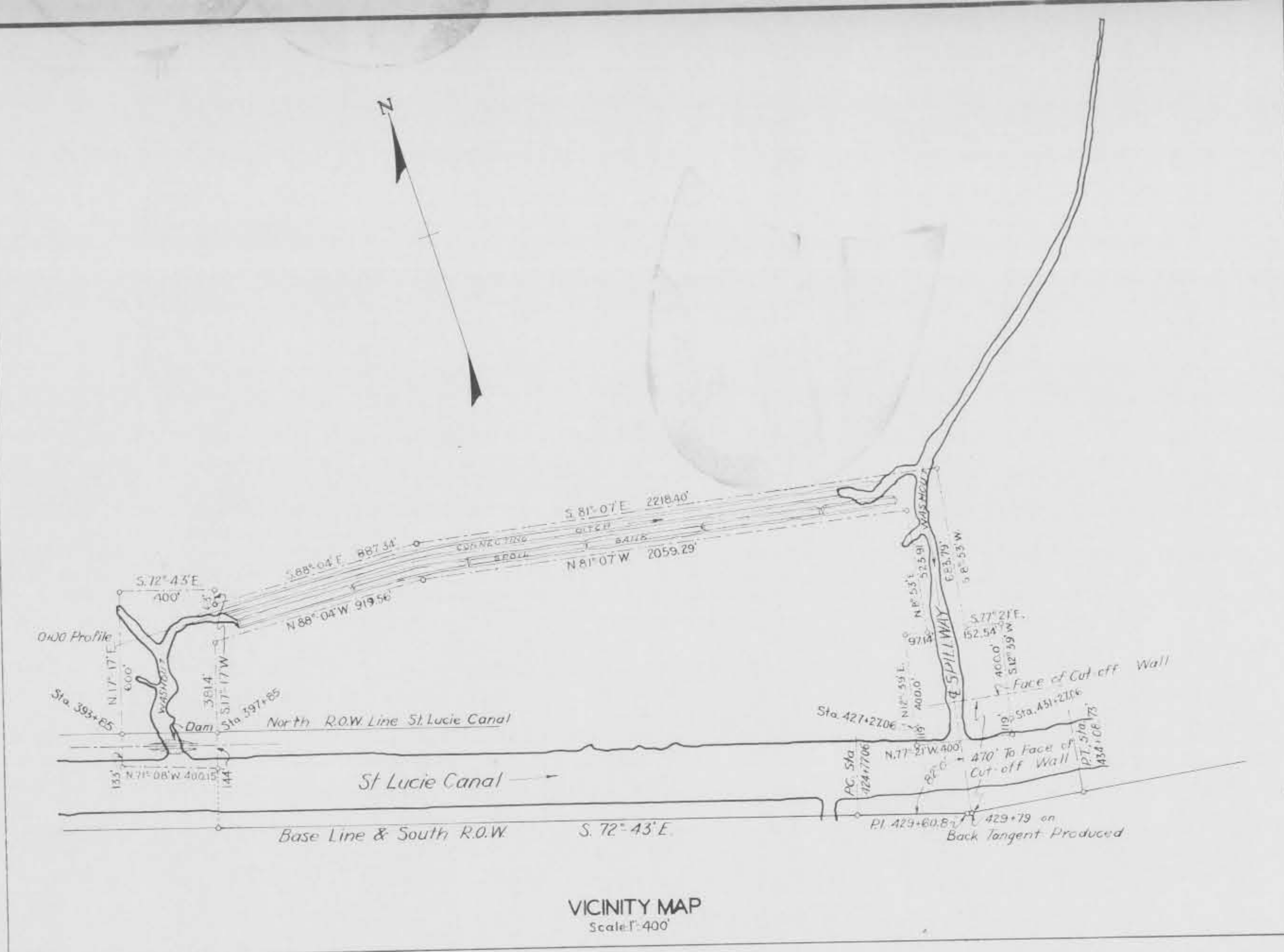
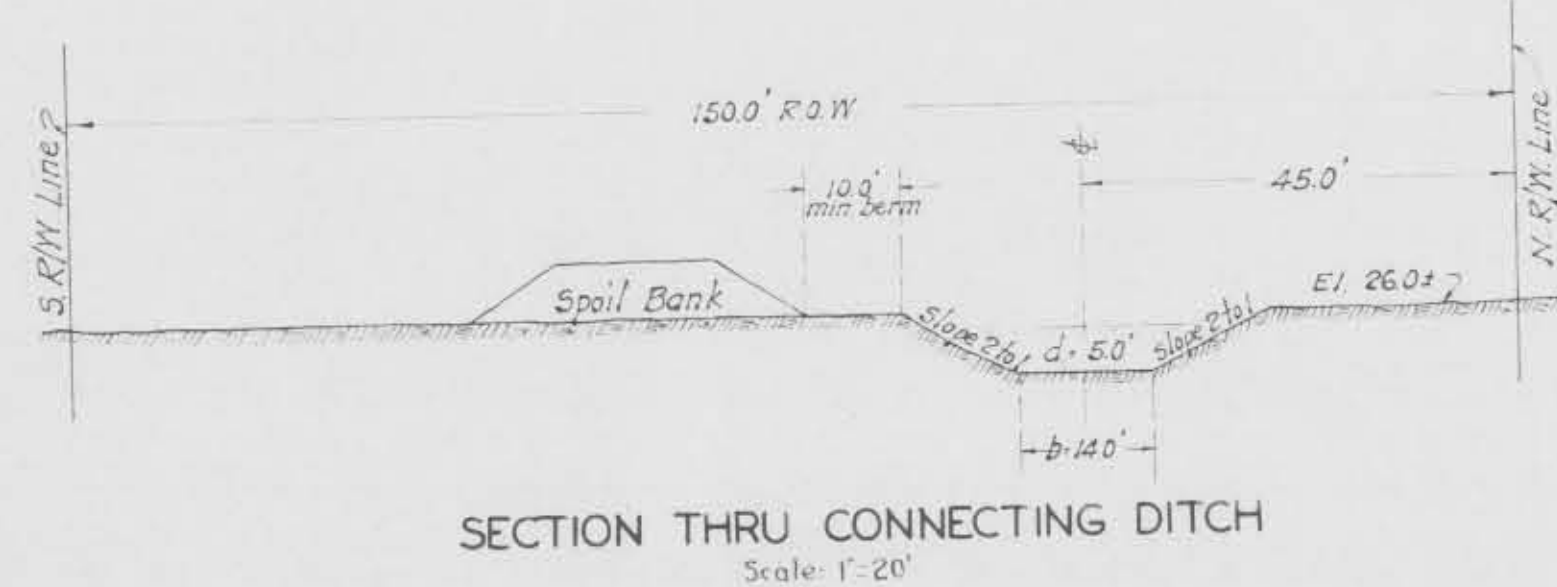
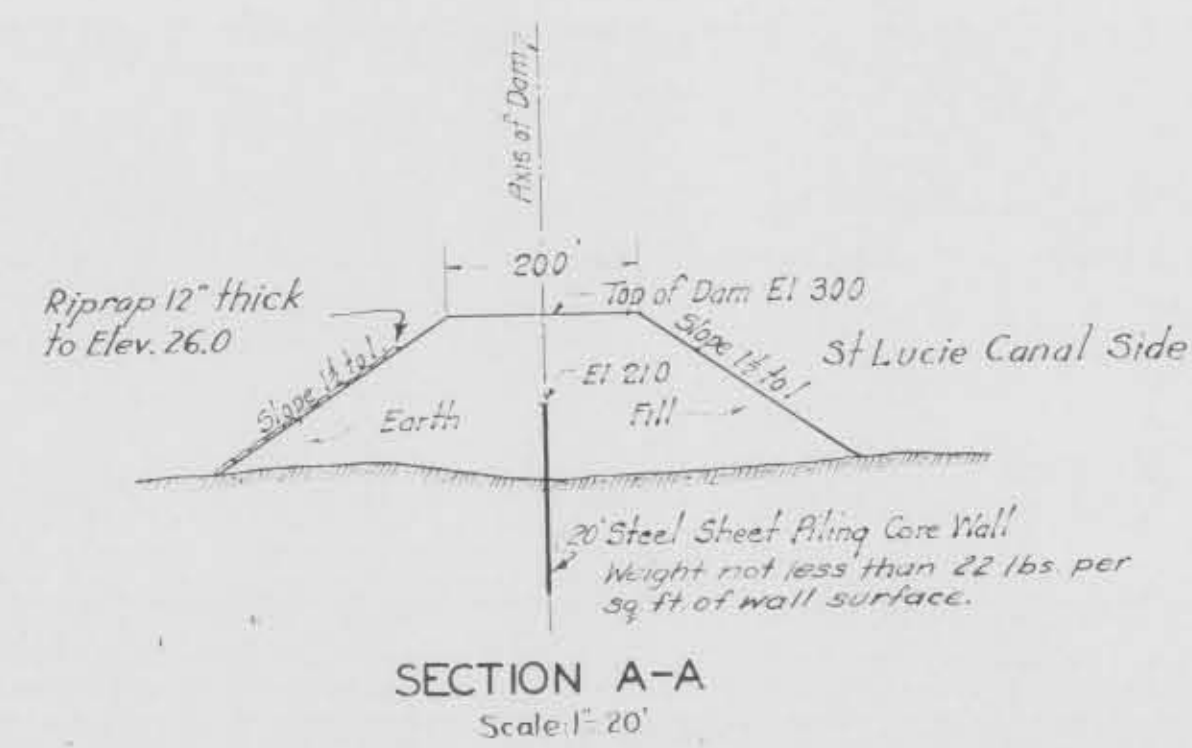
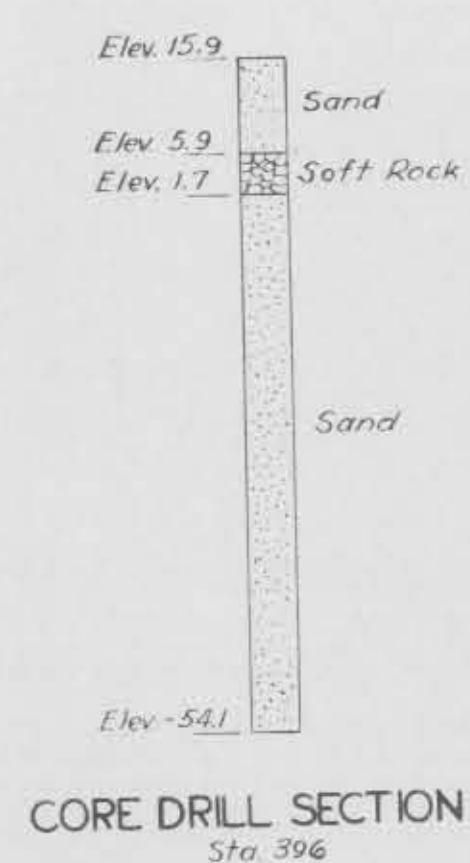
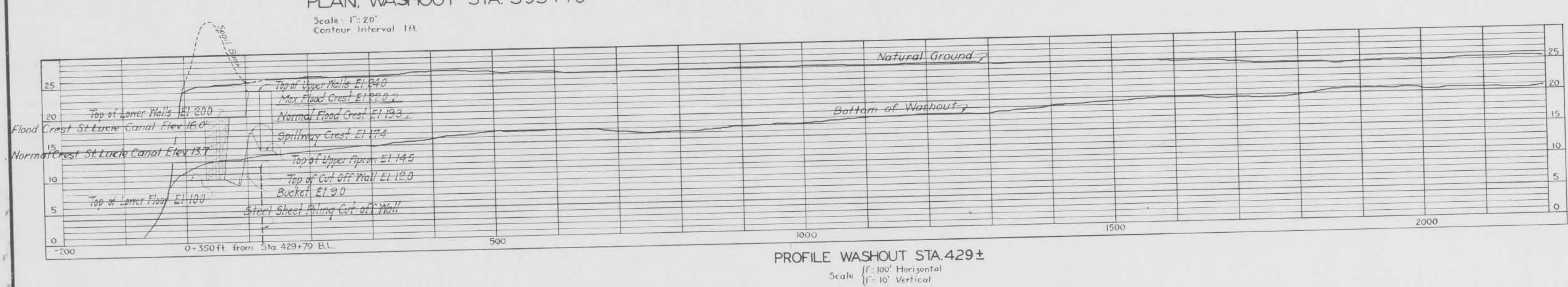
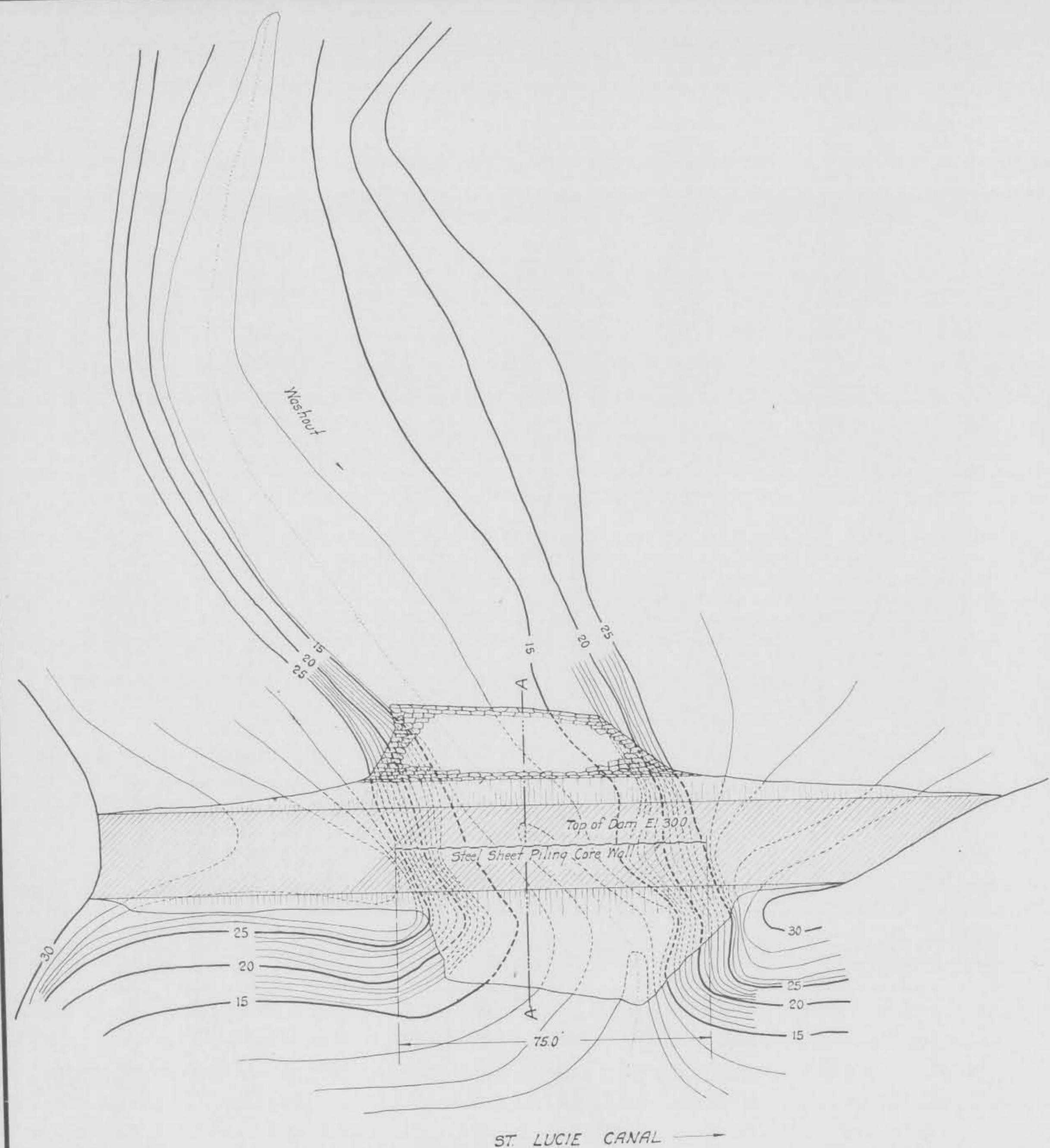


Note:
All earth slopes shown on this sheet to be 1 1/2 to 1 unless otherwise noted

APPROVED: DATE: JULY 18, 1933.
OKEECHOBEE FLOOD CONTROL DISTRICT.
BY: J. B. Wills
CONSULTING ENGINEER

CALOOSAHATCHEE RIVER AND LAKE OKEECHOBEE DRAINAGE AREAS, FLORIDA. ST. LUCIE CANAL DRAINAGE SPILLWAYS LAYOUT OF SPILLWAY NO. 6			
IN 32 SHEETS		SCALE: AS SHOWN	SHEET No 21
U. S. ENGINEER OFFICE - JACKSONVILLE, FLORIDA, MAY 1933.			
SUBMITTED:	RECOMMENDED FOR APPROVAL:	APPROVED:	
C. C. Schwartz ASSOCIATE ENGINEER	Canavan Nelson ENGINEER	MAJOR, CORPS OF ENGINEERS	
DRAWN BY: M. S.	FILE NO.	TO ACCOMPANY SPECIFICATIONS	
TRACED BY: F. E. C.	152-9199	DATED: AUG. 16, 1934	
CHECKED BY: G. T. A.			

1203-9199



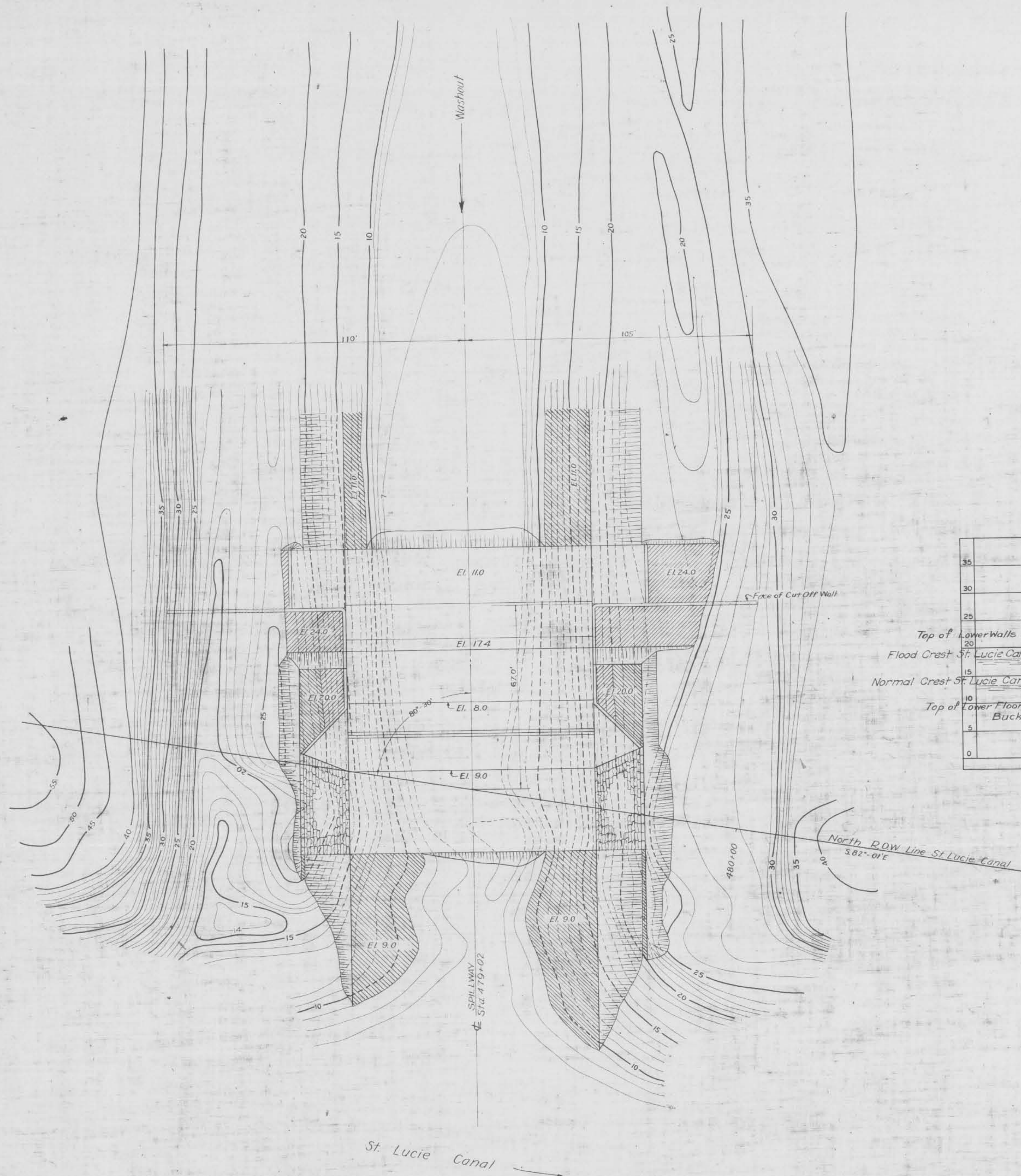
Note:
All earth slopes shown on
this sheet to be 1 1/2 to 1
unless otherwise noted.

CALOOSAHATCHEE RIVER AND LAKE
OKEECHOBEE DRAINAGE AREAS, FLORIDA.
ST LUCIE CANAL DRAINAGE SPILLWAYS
LAYOUT OF SPILLWAY NO. 7
"WEST END"
SCALE: AS SHOWN

IN 32 SHEETS SHEET No. 22

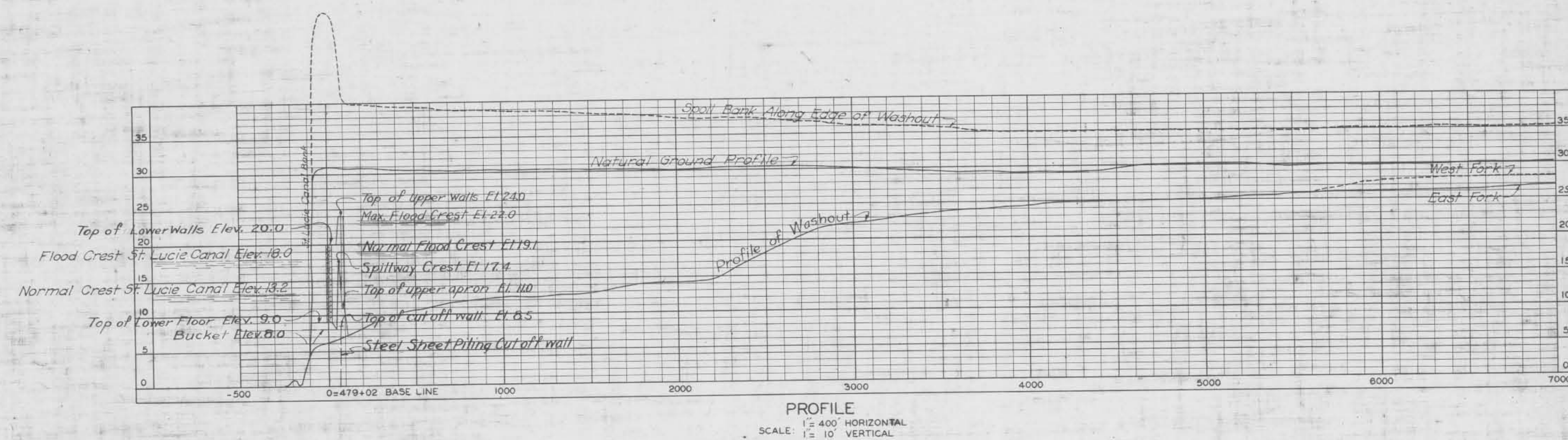
U. S. ENGINEER OFFICE - JACKSONVILLE, FLORIDA, MAY 1933.

SUBMITTED: *C. L. Schorony*
RECOMMENDED FOR APPROVAL: *Carawan Nelson*
APPROVED: *C. L. Schorony*
OKEECHOBEE FLOOD CONTROL DISTRICT.
DATE: JULY 18, 1933.
DRAWN BY: M. S.
TRACED BY: F. E. C. & W. R.
CHECKED BY: G. T. A.
FILE NO.: 152-9199
TO ACCOMPANY SPECIFICATIONS
DATED: AUG. 16, 1934.

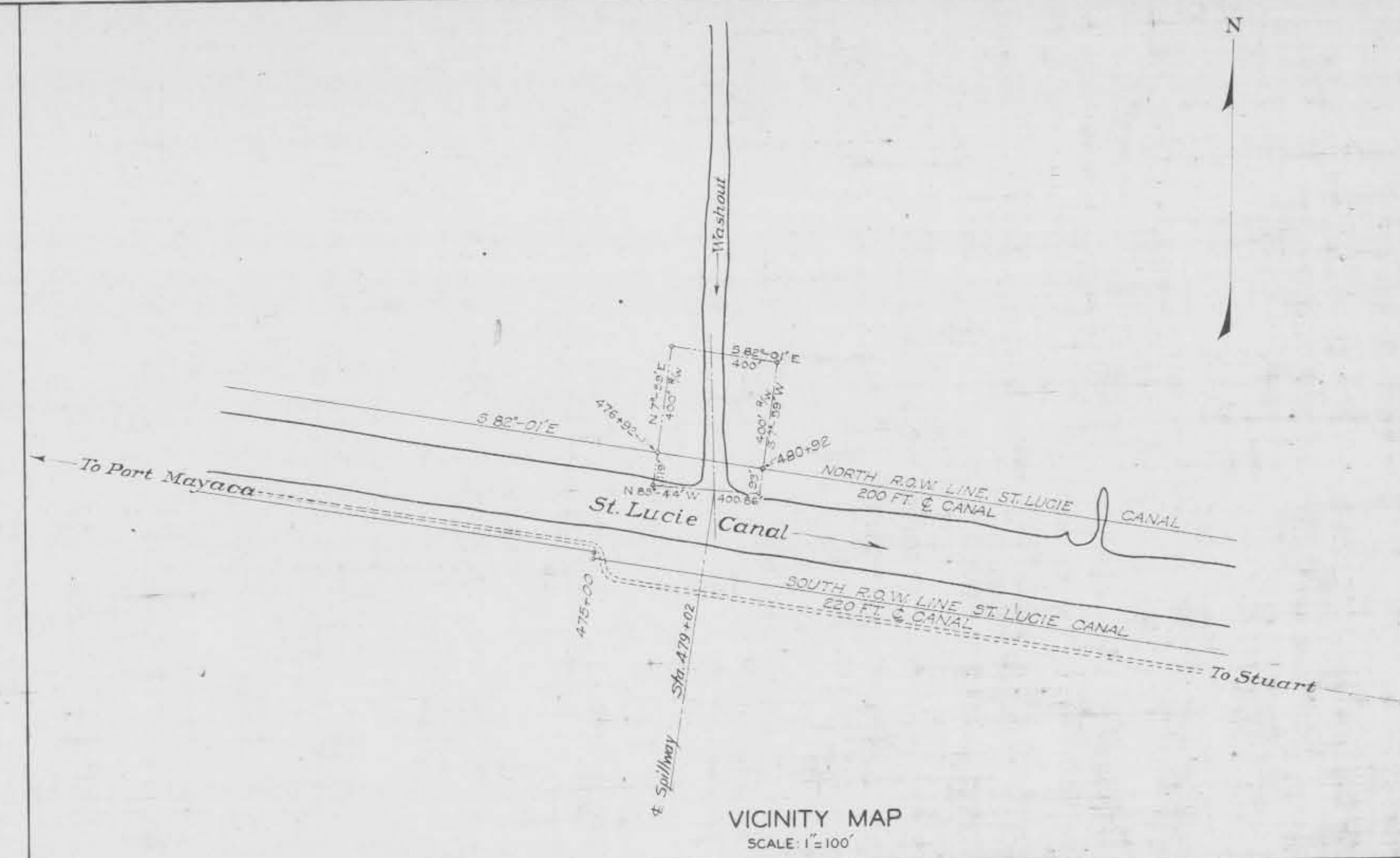


PLAN
SCALE 1" = 20'
CONTOUR INTERVAL 1 FT.

EMBANKMENT
EXCAVATION



CORE DRILL SECTION
Sta 479+2



VICINITY MAP
SCALE 1" = 100'

Note:
All earth slopes shown on
this sheet to be 1 1/2 to 1.

APPROVED: OKEECHOBEE FLOOD CONTROL DISTRICT.
DATE: JULY 18, 1933.

BY *John M. Hill*
CONSULTING ENGINEER

CALOOSAHATCHEE RIVER AND LAKE
OKEECHOBEE DRAINAGE AREAS, FLORIDA.
ST. LUCIE CANAL DRAINAGE SPILLWAYS
LAYOUT OF SPILLWAY NO. 8
"INDIANTOWN"

IN 32 SHEETS SHEET NO. 23 SCALE: AS SHOWN

U. S. ENGINEER OFFICE, JACKSONVILLE, FLORIDA, MAY 1933.

SUBMITTED: RECOMMENDED FOR APPROVAL: APPROVED:

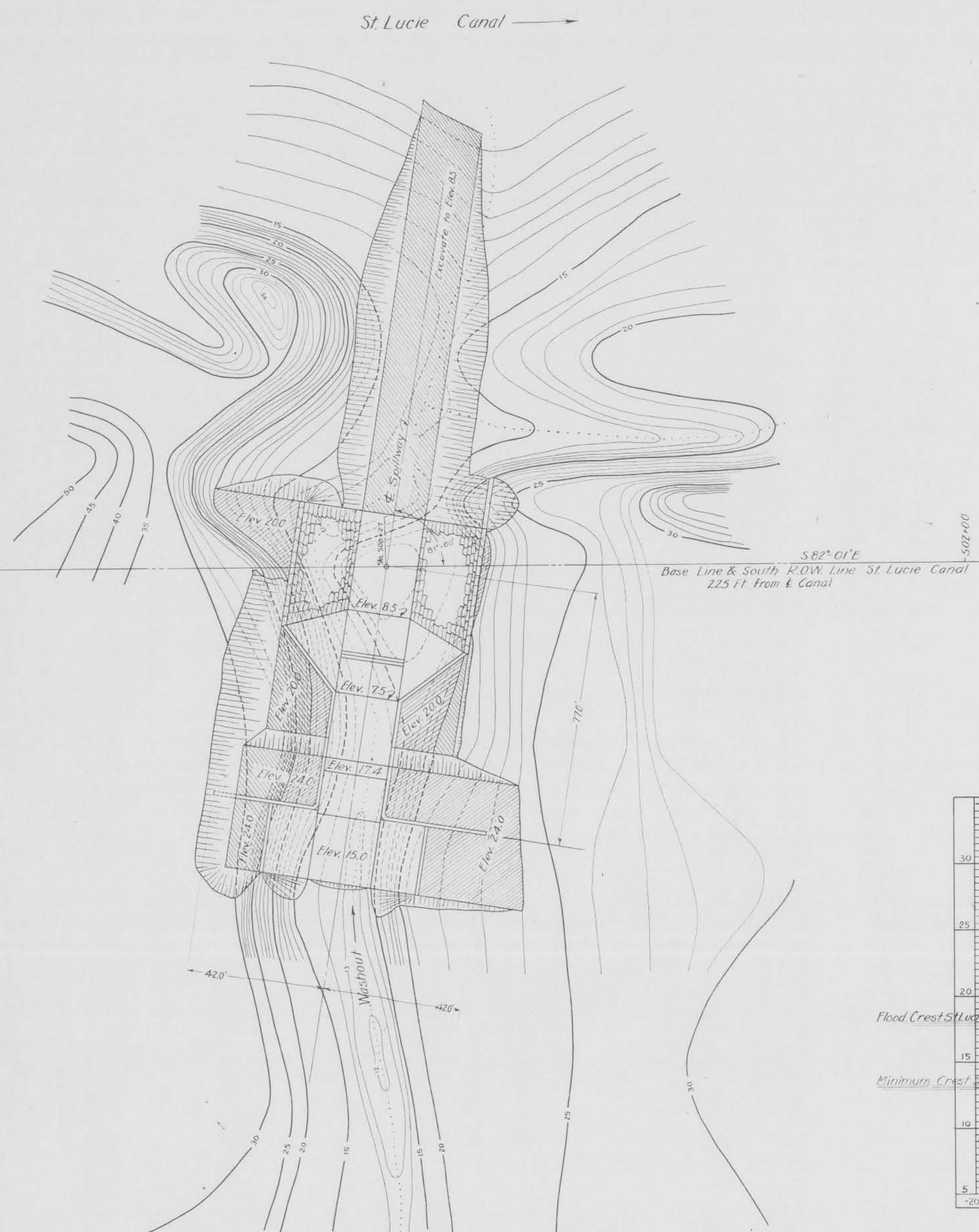
C. C. Schorony *Lawson Nelson* *W. H. Hill*

ASSOCIATE ENGINEER CIVIL ENGINEER MAJOR, CORPS OF ENGINEERS

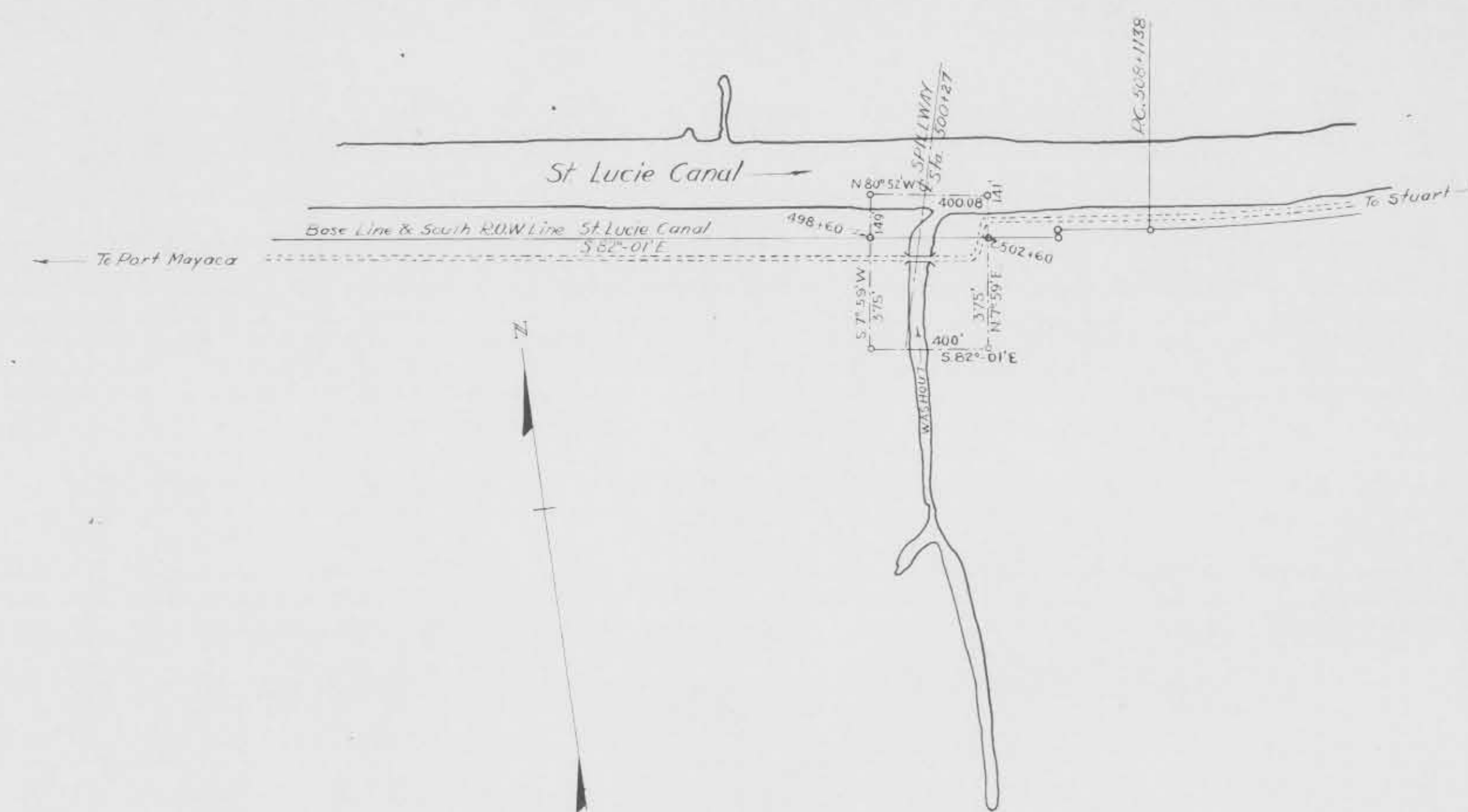
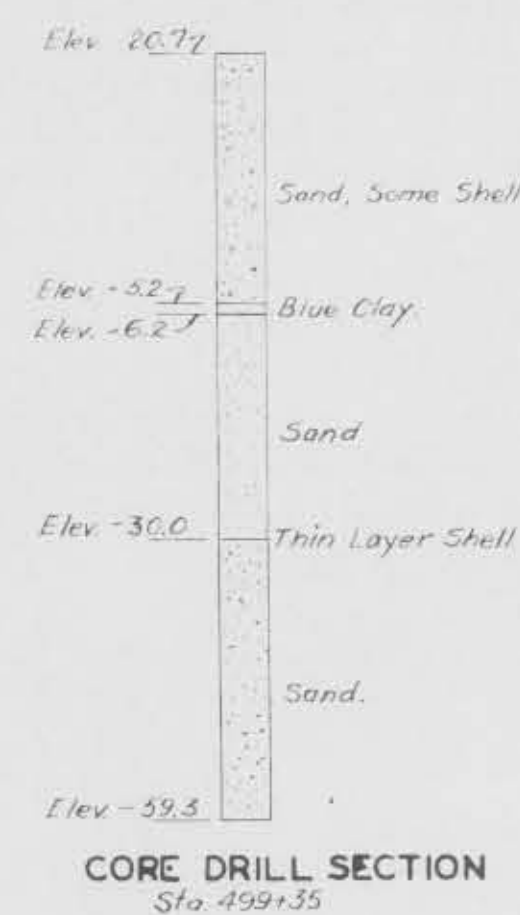
DRAWN BY: R. J. ... FILE NO. 152-999 TO ACCOMPANY SPECIFICATIONS

TRACED BY: S. J. S. REE 1208-9199 DATED: AUG. 16, 1934.

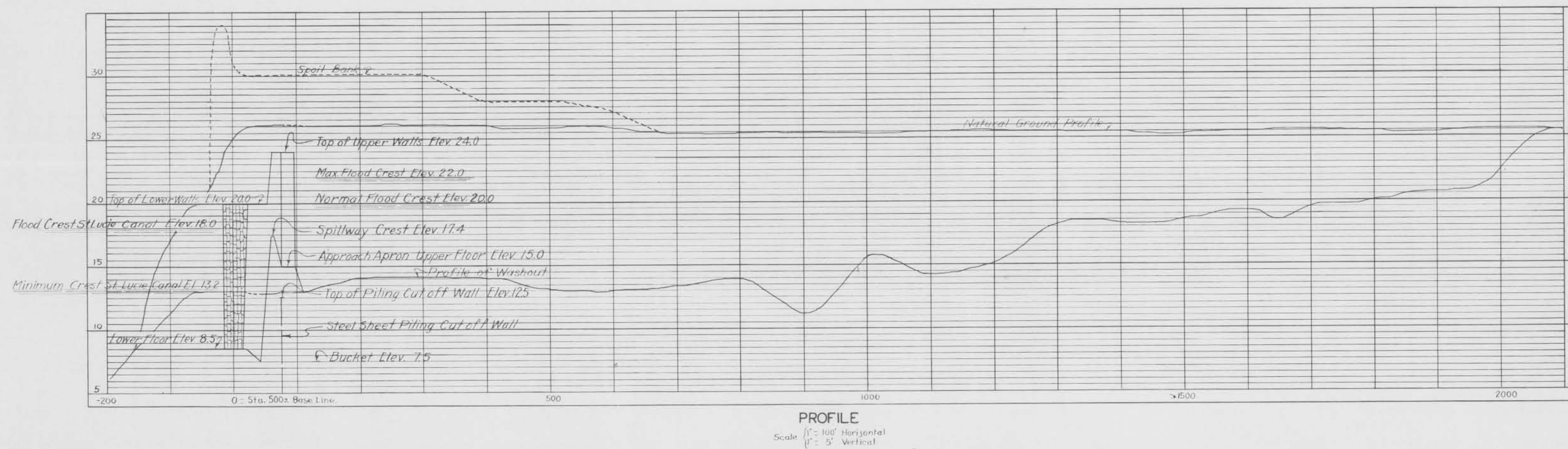
1208-9199



PLAN
Scale: 1" = 20'
Contour Interval 10'.
Excavation
Embankment

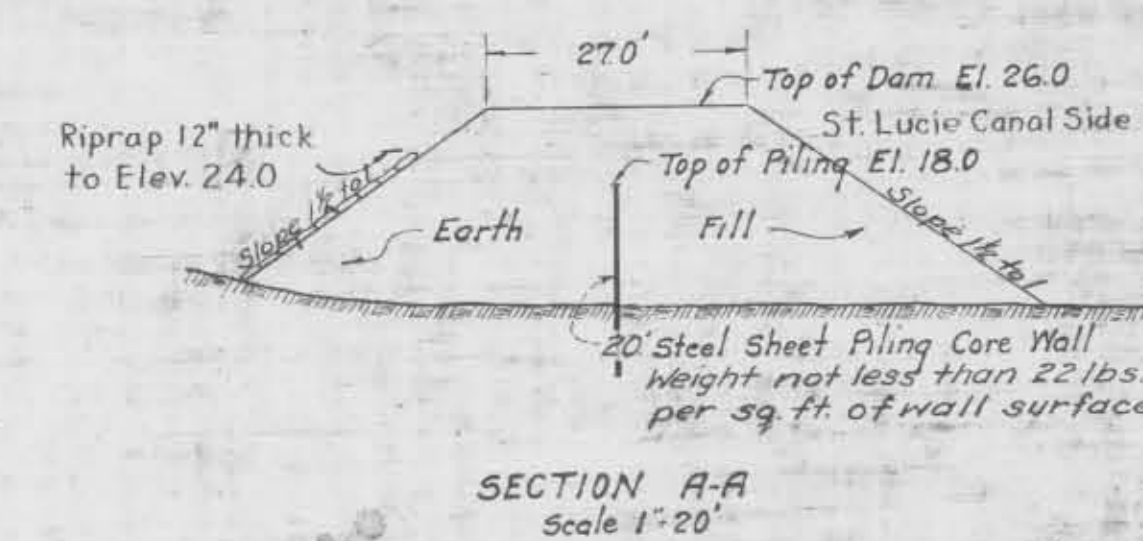
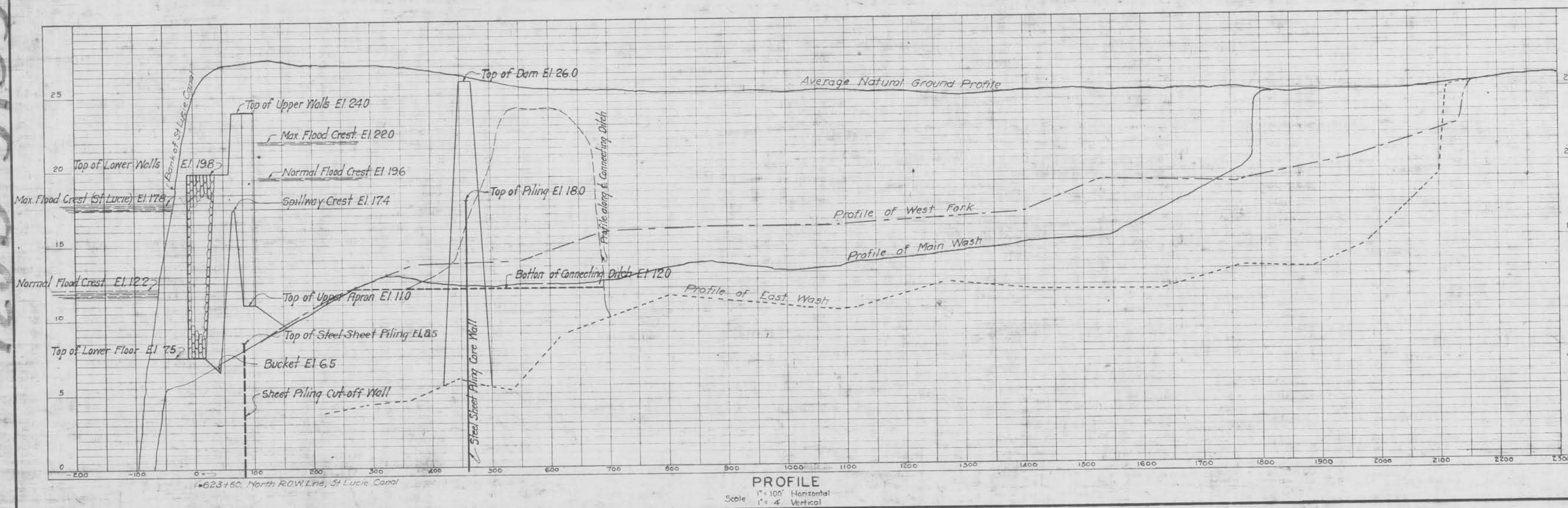
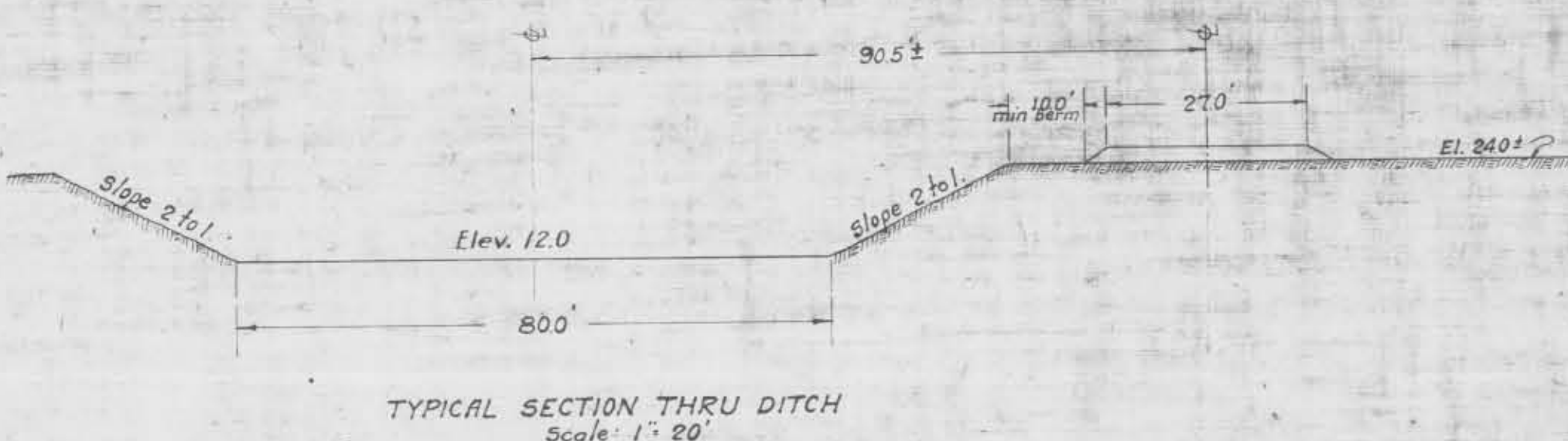
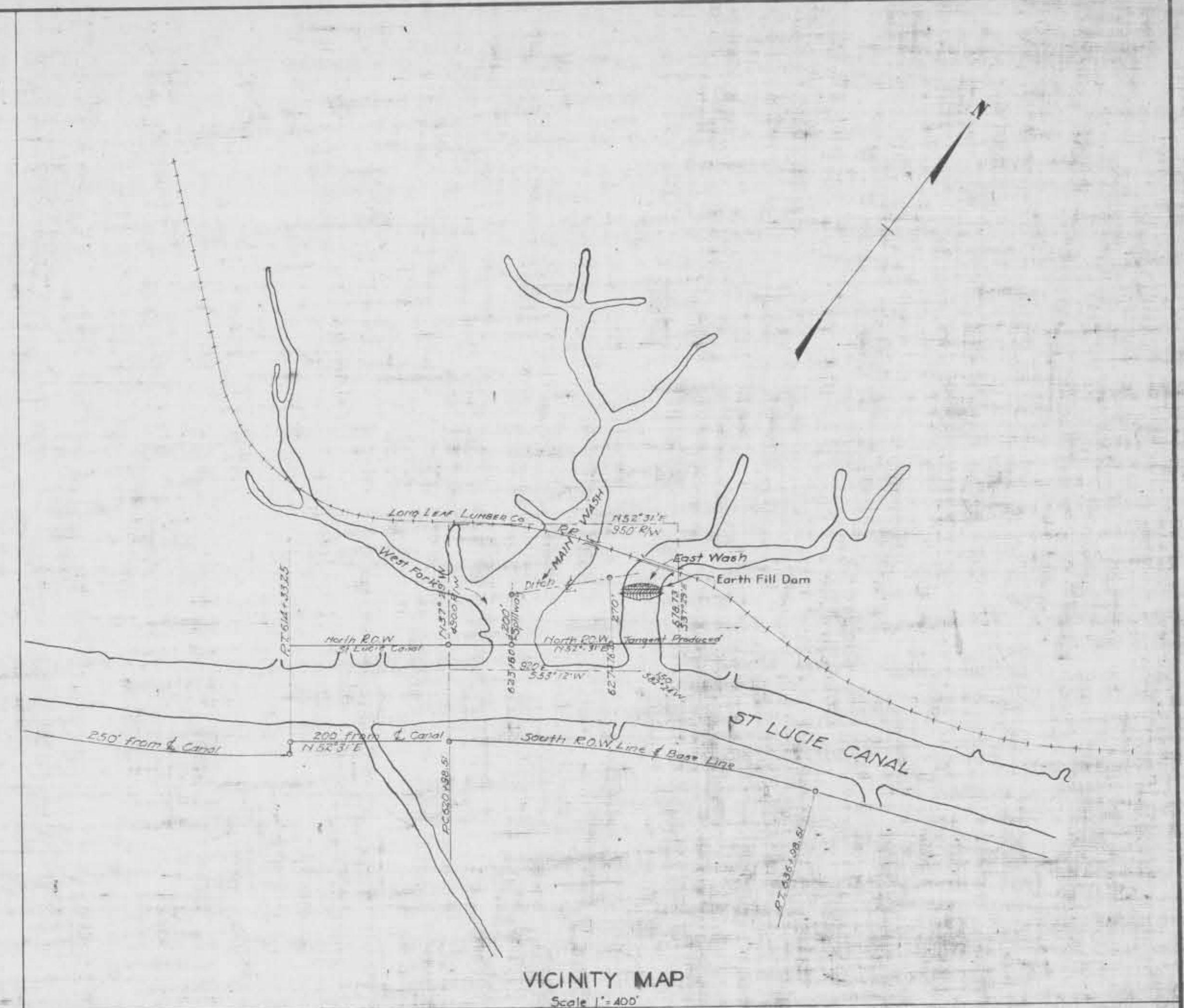
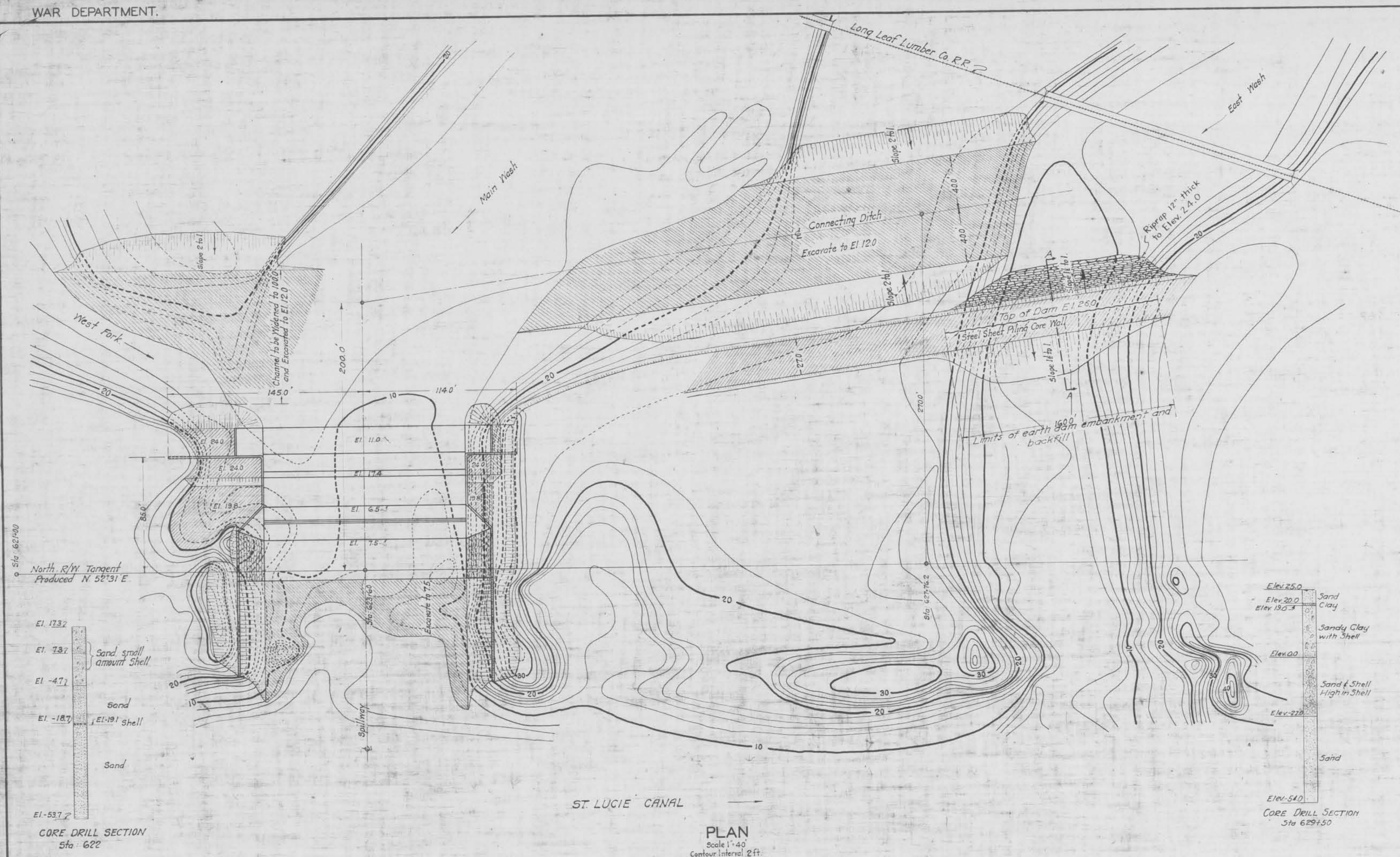


VICINITY MAP
Scale: 1" = 400'



Note:
All earth slopes shown on
this sheet to be 1 1/2 to 1.

CALOOSAHATCHEE RIVER AND LAKE OKEECHOBEE DRAINAGE AREAS, FLORIDA.		
ST. LUCIE CANAL DRAINAGE SPILLWAYS LAYOUT OF SPILLWAY NO. 9		
"F"		
IN 32 SHEETS	SCALE: AS SHOWN	SHEET No. 24
U. S. ENGINEER OFFICE - JACKSONVILLE, FLORIDA, MAY 1933.		
APPROVED: OKEECHOBEE FLOOD CONTROL DISTRICT.	DATE: JULY 18 1933.	
SUBMITTED: Associate Engineer	RECOMMENDED FOR APPROVAL: Associate Engineer	APPROVED: Major, Corps of Engineers
DRAWN BY: H.S.	FILE NO. 152-9199	TO ACCOMPANY SPECIFICATIONS
TRACED BY: F.E.C.	1205-7179	DATED: AUG. 16, 1934.
CHECKED BY: G.T.A.		



Note:
All earth slopes shown on this sheet
to be 1 1/2 to 1, unless otherwise noted.

**CALOOSAHATCHEE RIVER AND LAKE
OKEECHOBEE DRAINAGE AREAS, FLORIDA.**
ST. LUCIE CANAL DRAINAGE SPILLWAYS
LAYOUT OF SPILLWAY NO. 10
'ALLAPATTAH NO. 1'

IN 32 SHEETS SHEET NO. 25 SCALE: AS SHOWN.

U. S. ENGINEER OFFICE—JACKSONVILLE, FLORIDA. MAY 1933.

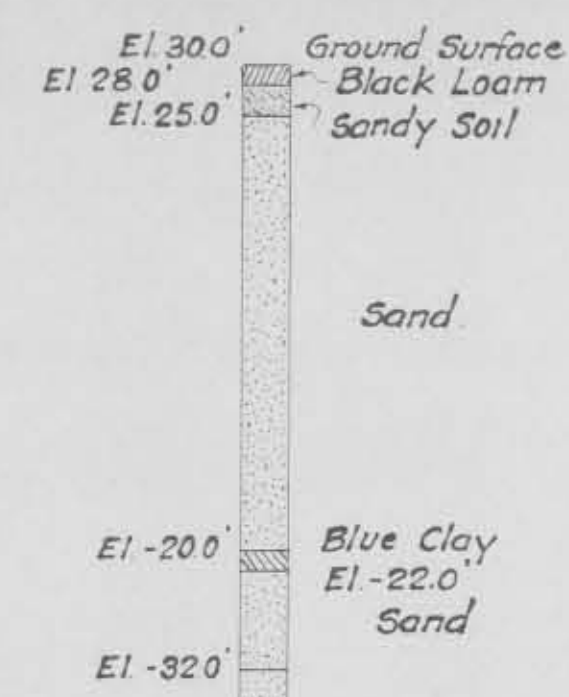
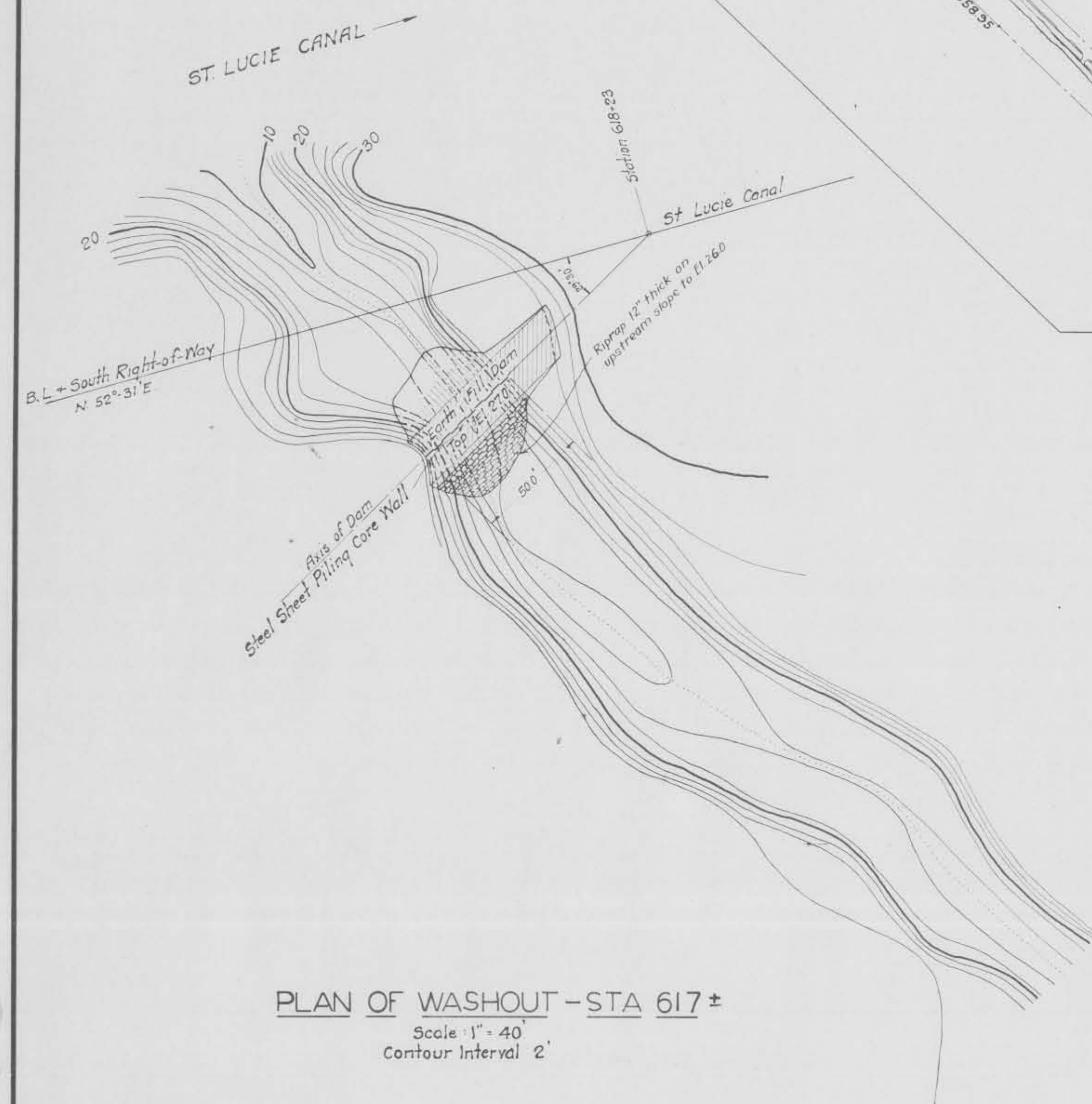
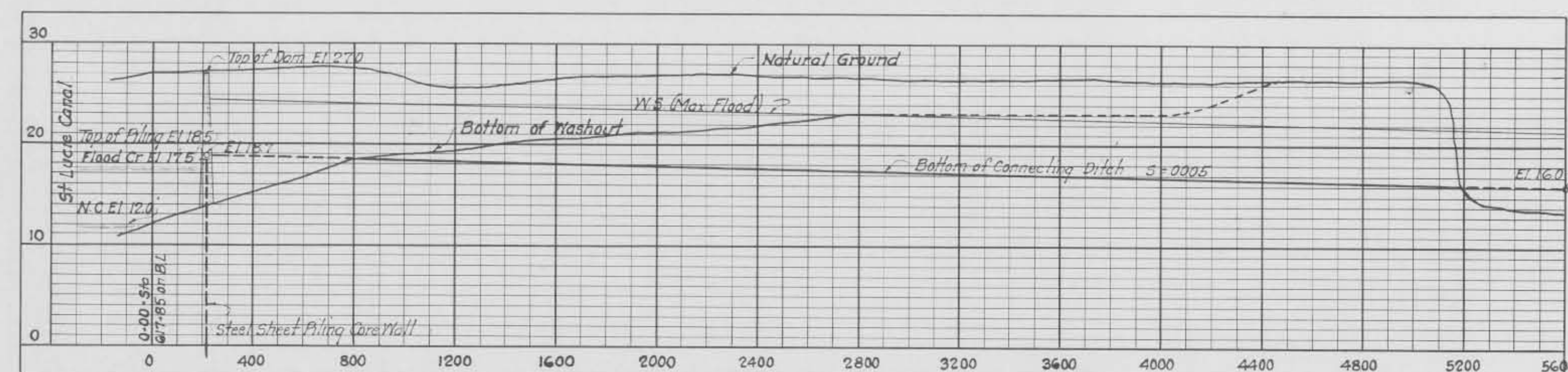
APPROVED: OKEECHOBEE FLOOD CONTROL DISTRICT.

DATE: JULY 18, 1933
BY: J. B. Hill
CONSULTING ENGINEER

RECOMMENDED FOR APPROVAL: J. B. Selmont, Associate Engineer
APPROVED: R. A. Nelson, Engineer
MAJOR, CORPS OF ENGINEERS

DRAWN BY: M. E. Traced by E. G. B. & W. C. Checked by G. T. A.
FILE NO. 452-9193
TO ACCOMPANY SPECIFICATIONS DATED: AUG. 16, 1934.

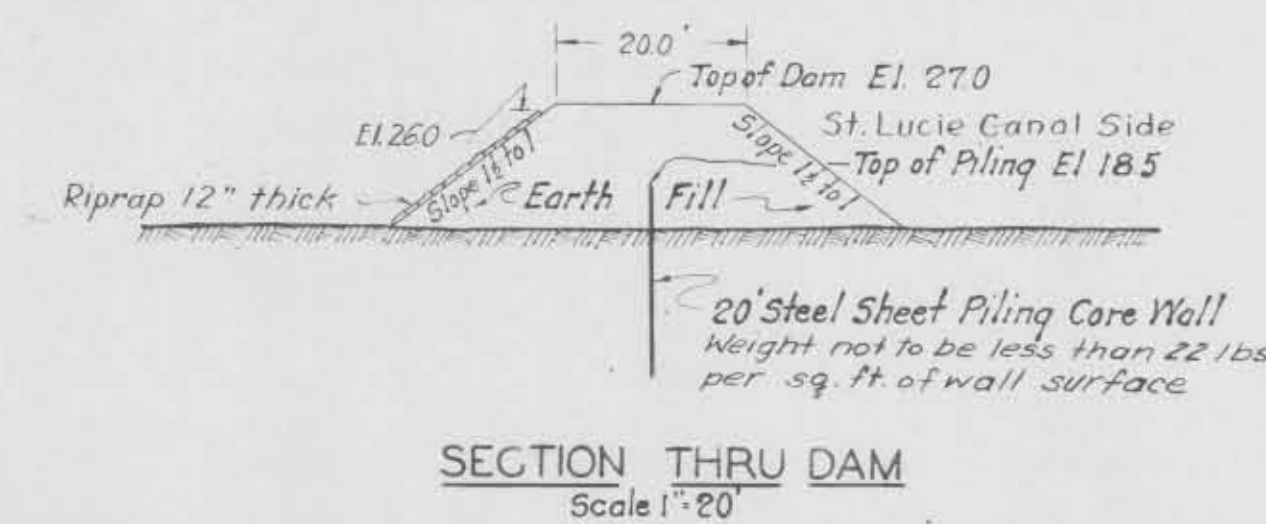
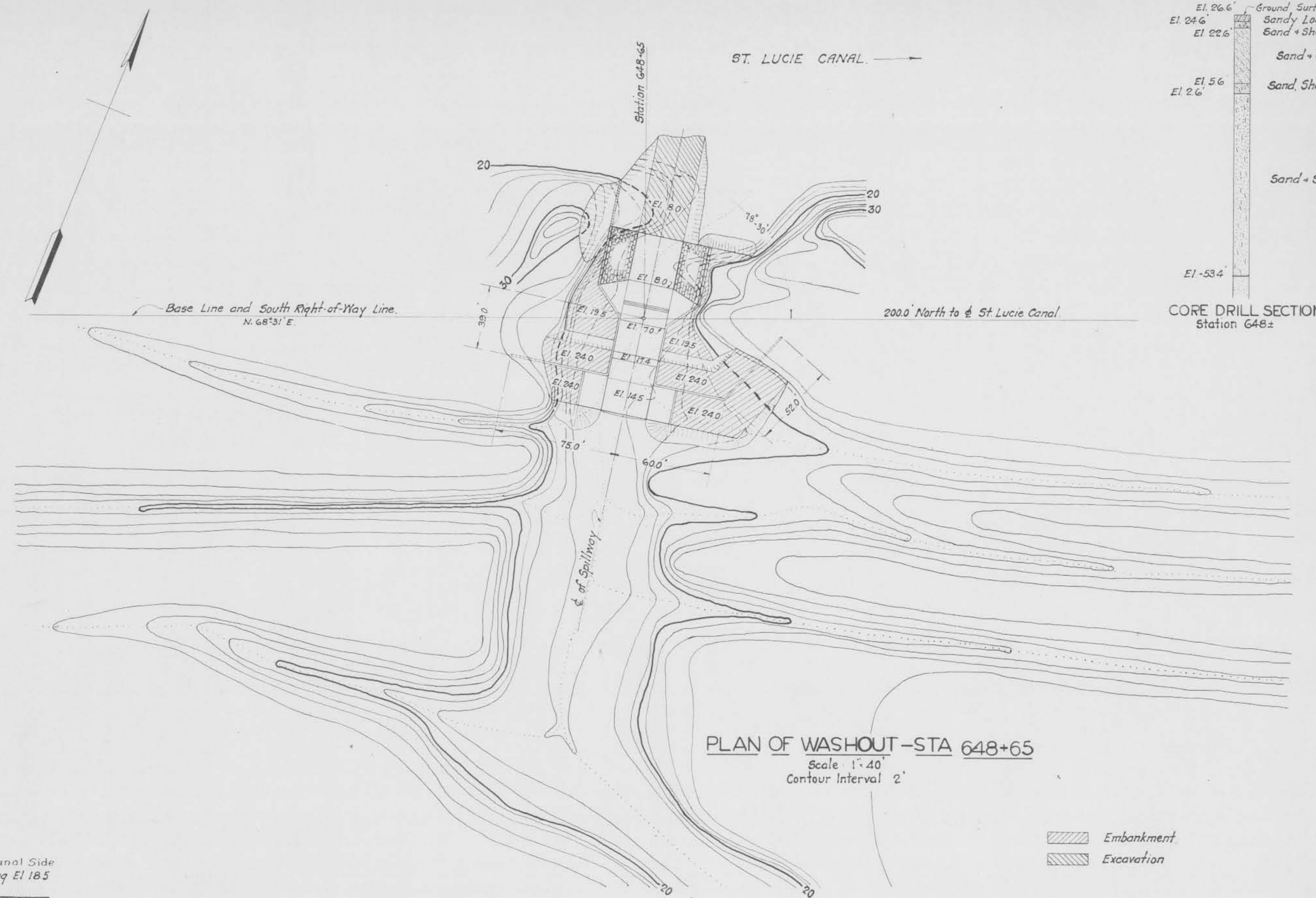
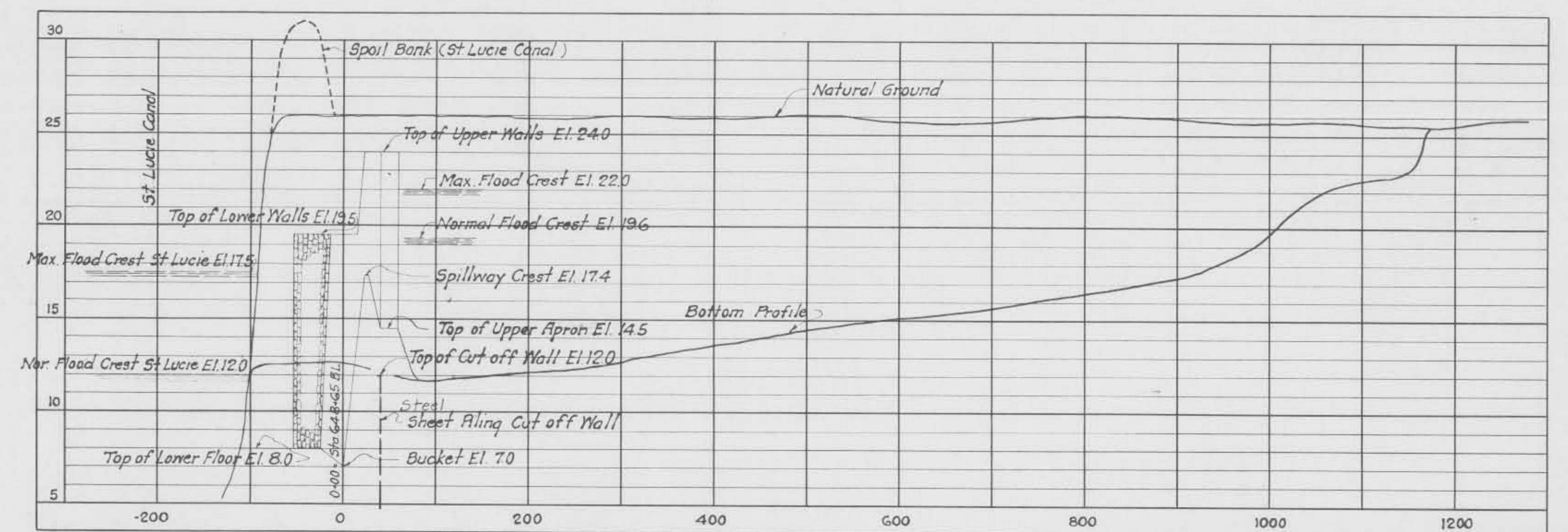
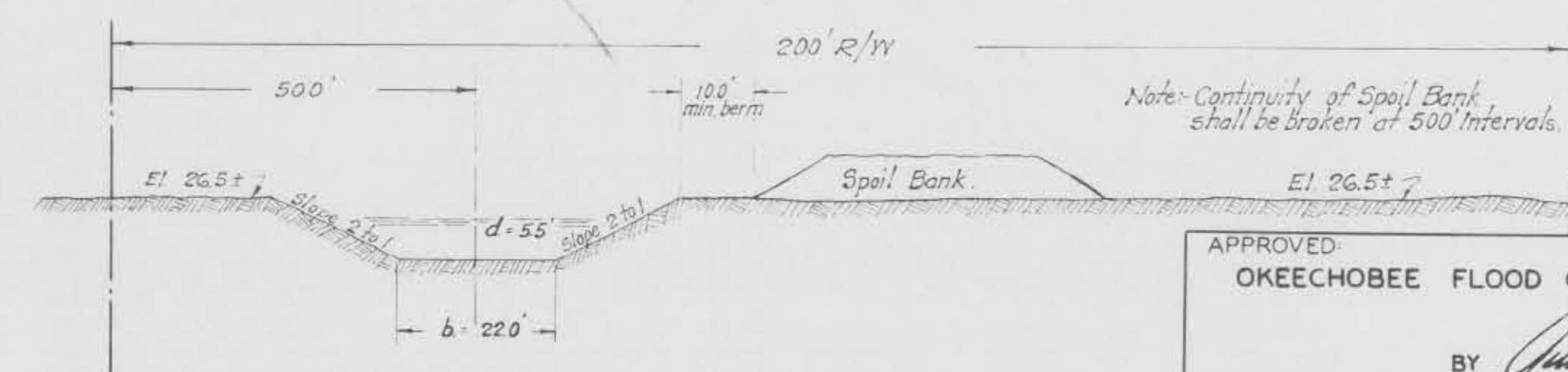
HE-056

CORE DRILL SECTION
Station 617±PLAN OF WASHOUT - STA 617±
Scale 1" = 40'
Contour Interval 2'CONNECTING DITCH
PROFILE OF WASHOUT - STA 617±
Scale 1" = 400' Horiz.
1" = 10' Vertical

Hydraulic Properties

Q = 500 cfs
d = 18.15"
v = 276/sec
b = 22.0'

Note:
All earth slopes shown on
this sheet to be 1 1/2 to 1
unless otherwise noted.

VICINITY MAP
Scale 1" = 400'SECTION THRU DAM
Scale 1" = 80'PLAN OF WASHOUT - STA 648±
Scale 1" = 40'
Contour Interval 2'PROFILE OF WASHOUT - STA 648±
Scale 1" = 100' Horiz.
1" = 5' VerticalSECTION THRU CONNECTING DITCH LOOKING UPSTREAM
Scale 1" = 20'

CALOOSAHATCHEE RIVER AND LAKE
OKEECHOBEE DRAINAGE AREAS, FLORIDA.
ST LUCIE CANAL DRAINAGE SPILLWAYS
LAYOUT OF SPILLWAY NO. 11
"G"
IN 32 SHEETS SCALE AS SHOWN SHEET No. 26

U. S. ENGINEER OFFICE - JACKSONVILLE, FLORIDA, MAY 1933.

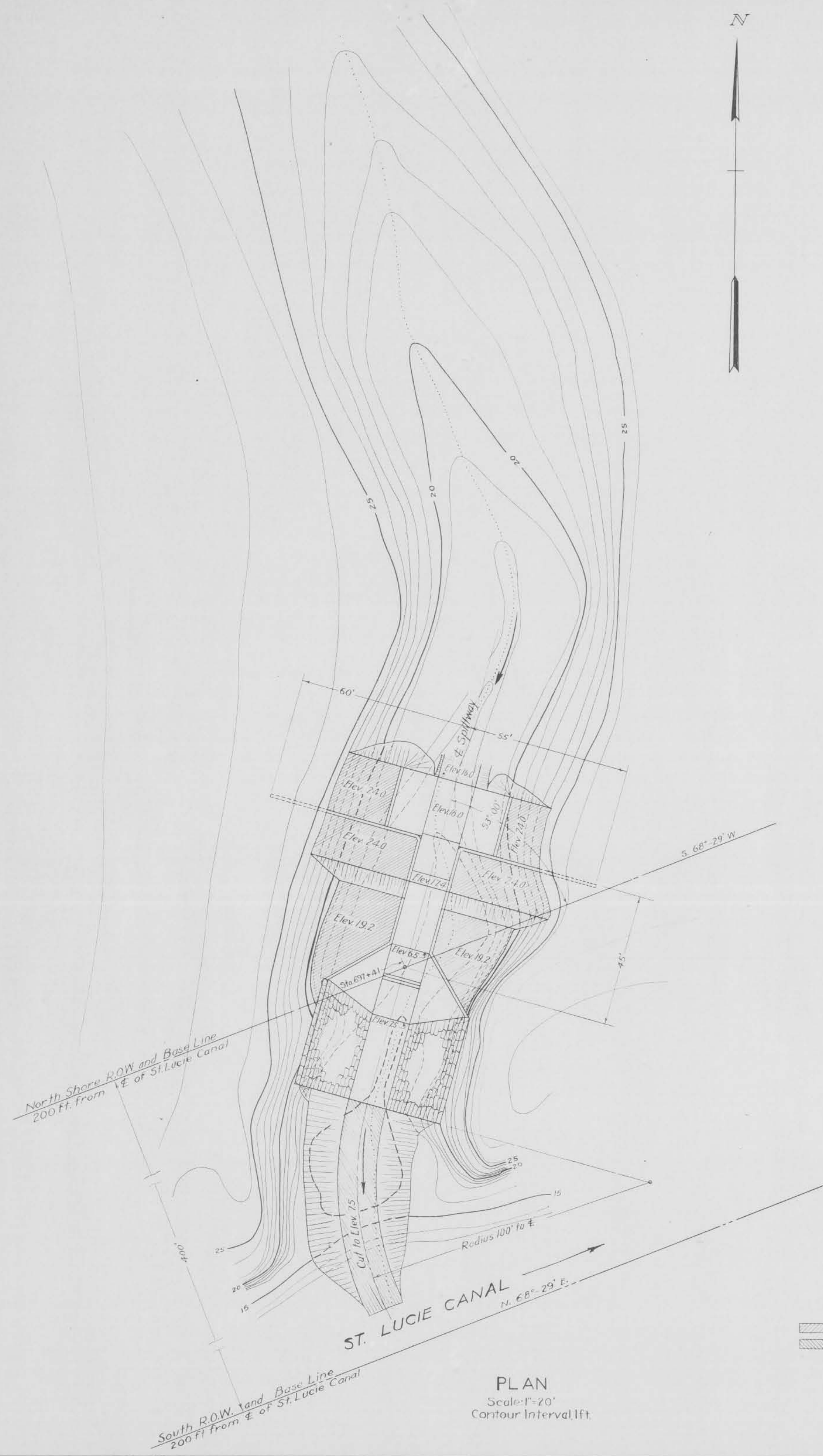
SUBMITTED: *E. C. Schantz*
RECOMMENDED FOR APPROVAL: *Caravan Nelson*
ENGINEER: *Caravan Nelson*
MAJOR CORPS OF ENGINEERS

DRAWN BY: M. O.
TRACED BY: W. C.
CHECKED BY: G. A.

FILE NO. 152-9199
TO ACCOMPANY SPECIFICATIONS
DATED: AUG 16 1934

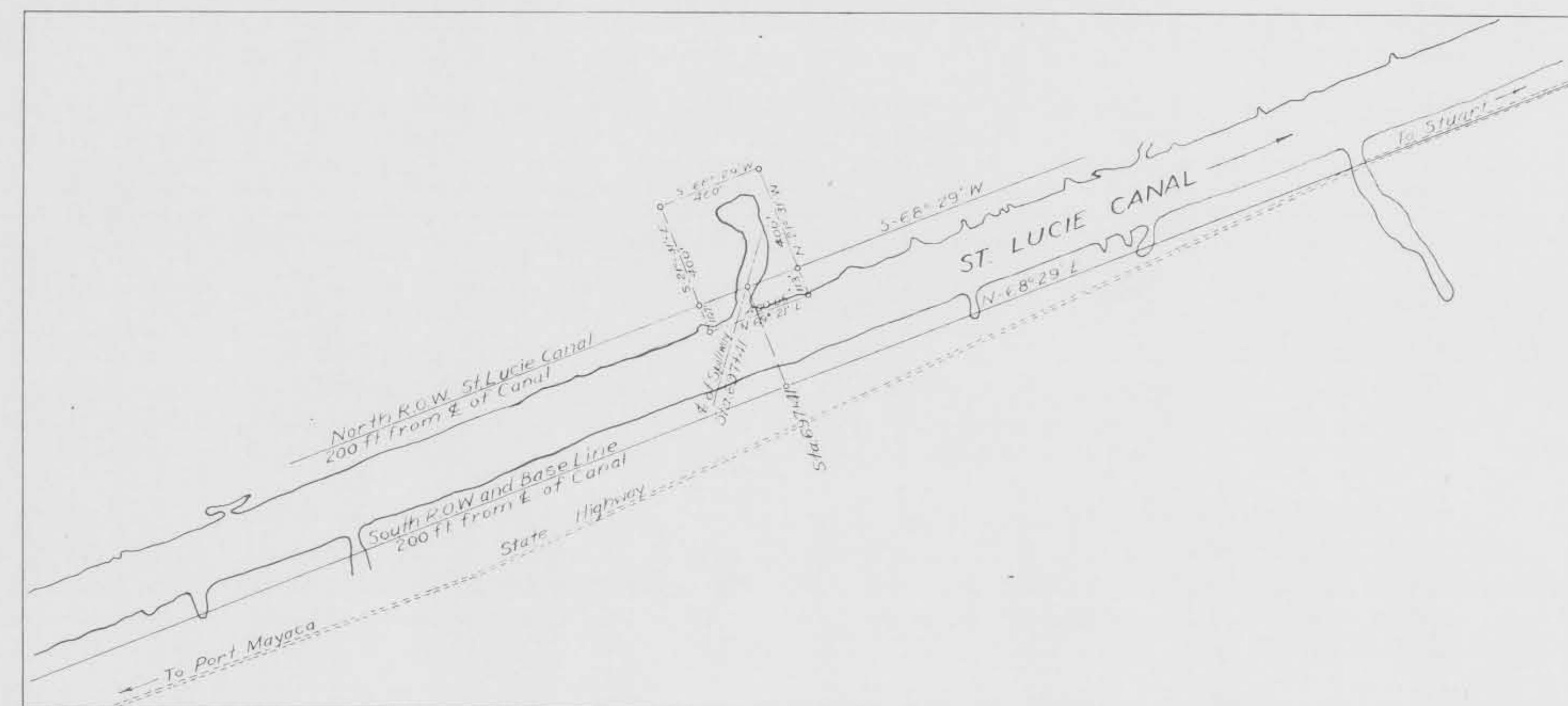
1208-7197

HE-056

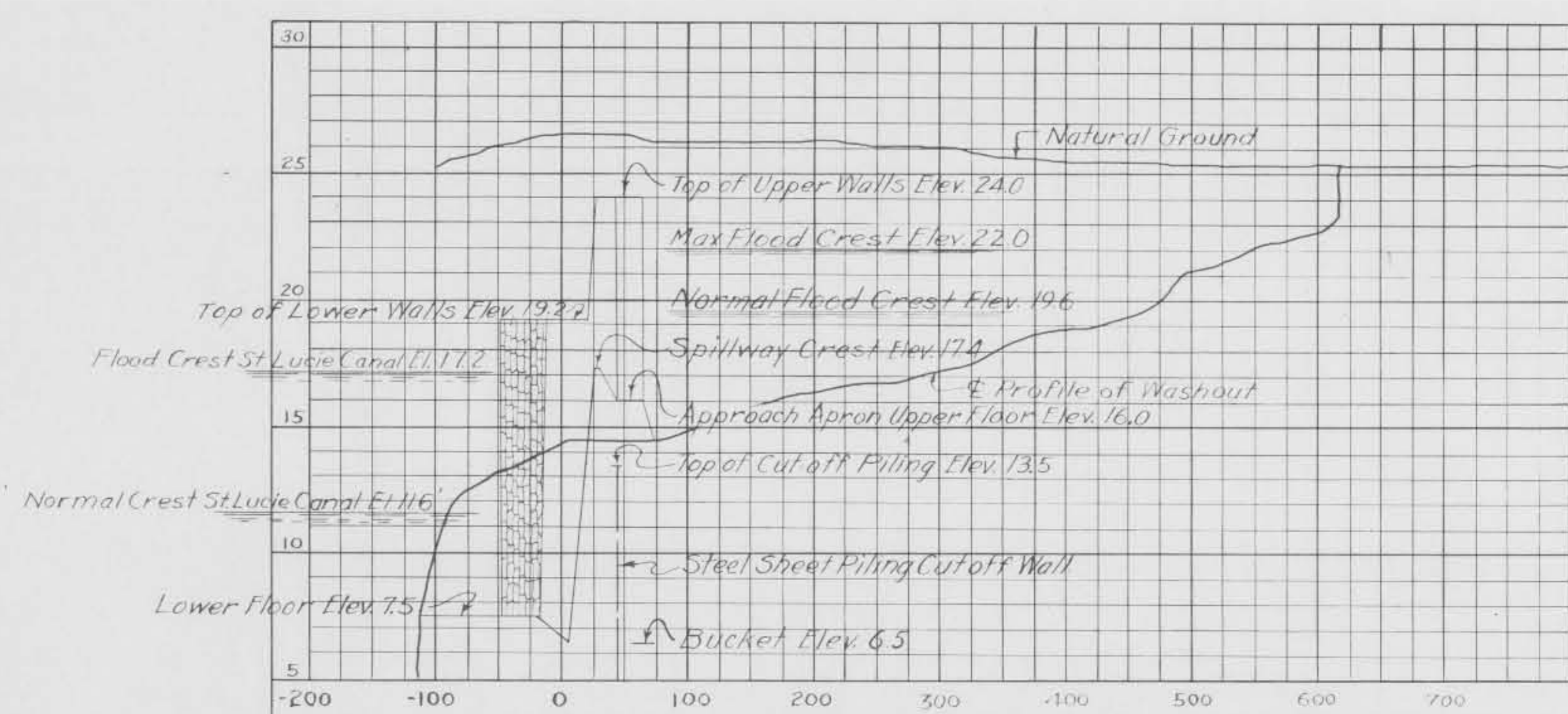


PLAN
Scale: 1"=20'
Contour Interval 1 ft.

Embankment
Excavation

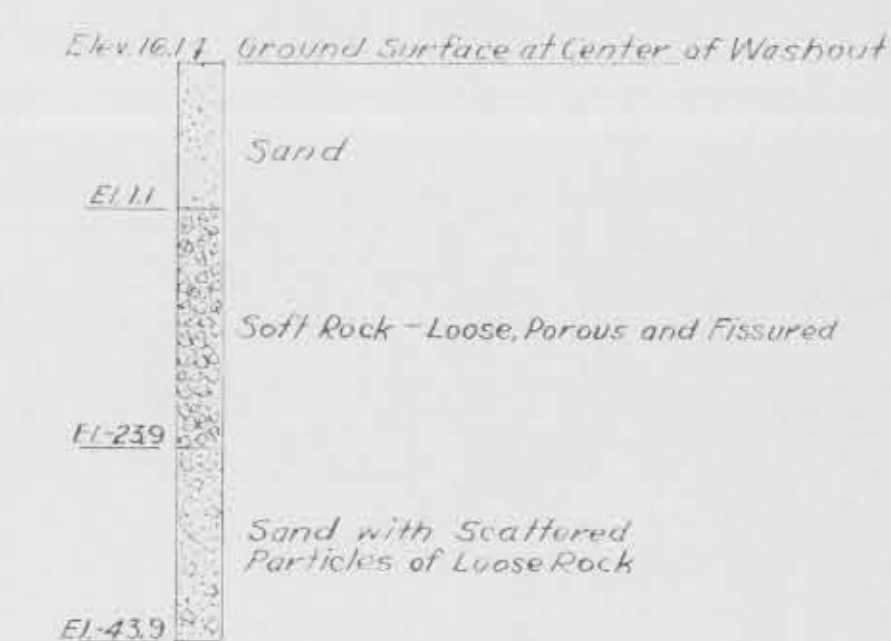


VICINITY MAP
Scale: 1"=400'



PROFILE
Scale: 1"=100' Horizontal
1"=5' Vertical

Note: All earth slopes shown on this sheet to be 1 1/2 to 1.



CORE DRILL SECTION
Station 696

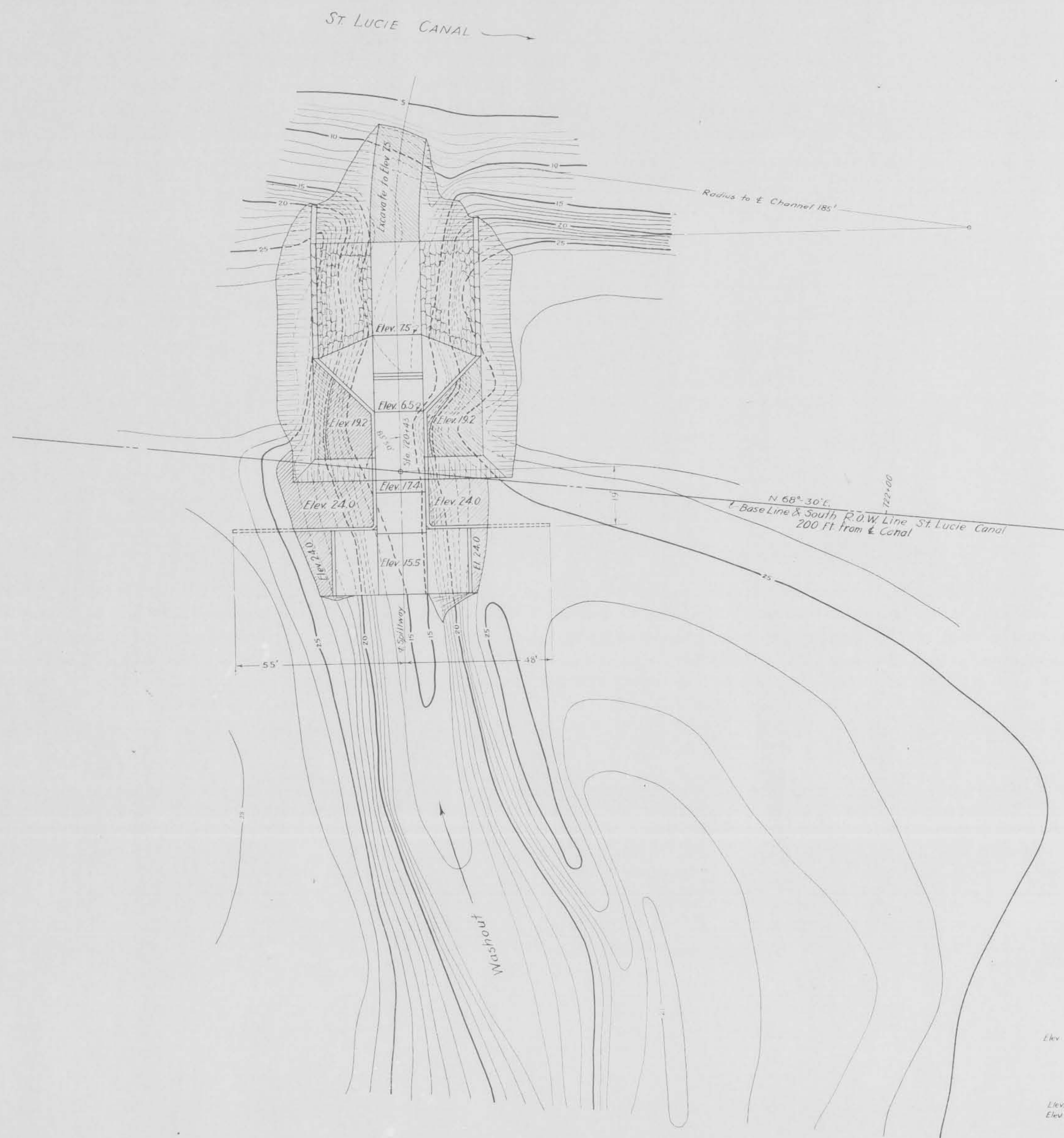
CALOOSAHATCHEE RIVER AND LAKE
OKEECHOBEE DRAINAGE AREAS, FLORIDA.
ST. LUCIE CANAL DRAINAGE SPILLWAYS
LAYOUT OF SPILLWAY NO. 12
"ALLAPATTAH NO. 2"
IN 32 SHEETS SCALE: AS SHOWN SHEET No. 27

U. S. ENGINEER OFFICE - JACKSONVILLE, FLORIDA, MAY 1933.

APPROVED: OKEECHOBEE FLOOD CONTROL DISTRICT.
DATE: JULY 18, 1933.

BY: J. R. Hill
CONSULTING ENGINEER

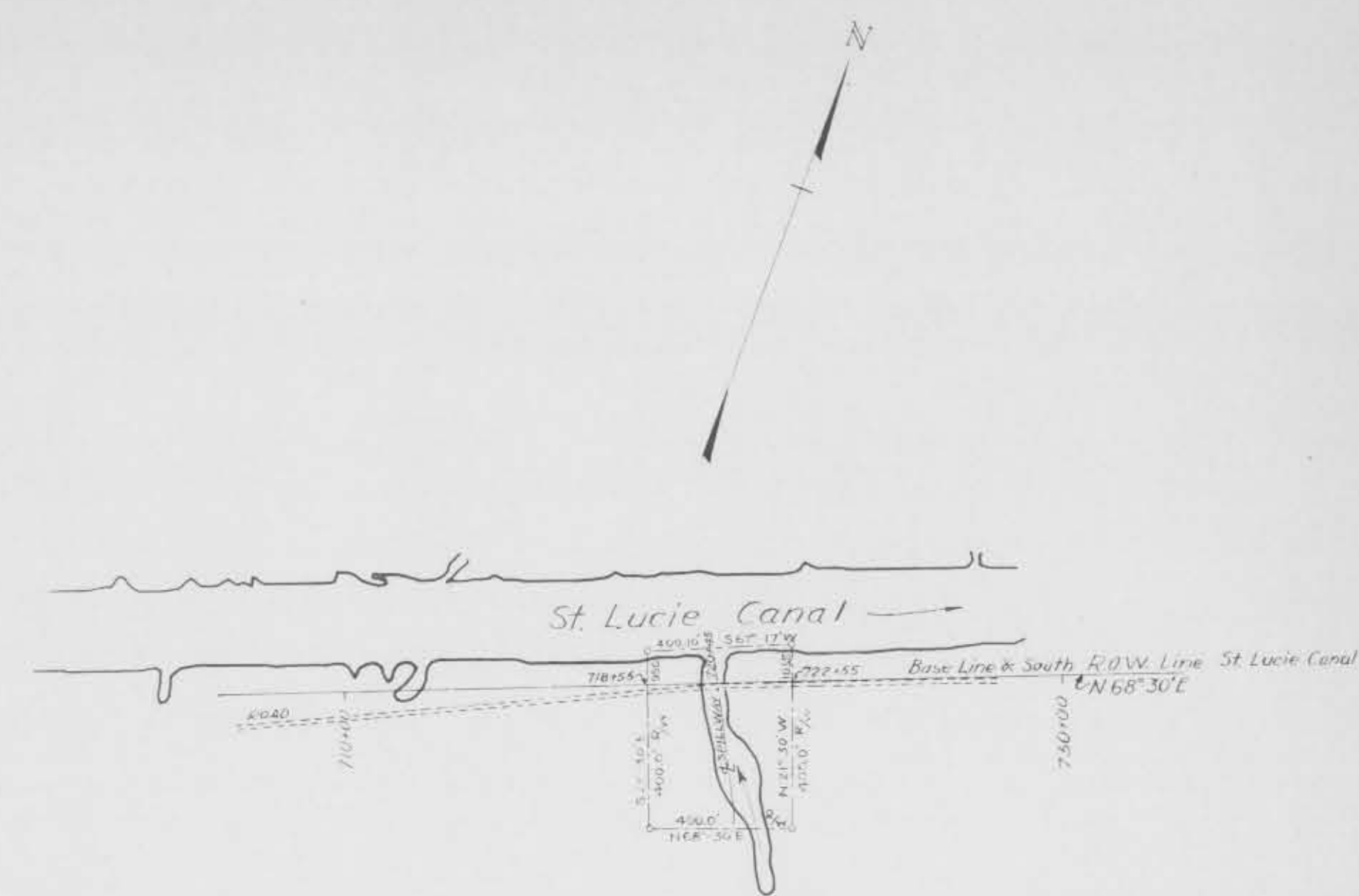
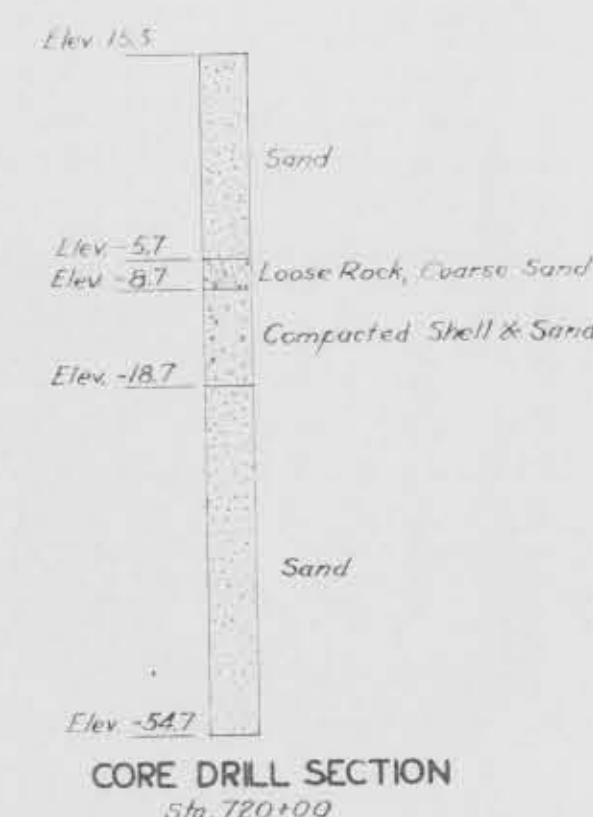
SUBMITTED:	RECOMMENDED FOR APPROVAL:	APPROVED:
C. C. Schwartz ASSOCIATE ENGINEER	Quarman Nelson ENGINEER	[Signature] MAJOR, CORPS OF ENGINEERS
DRAWN BY: M. S.	FILE NO. 152-900	TO ACCOMPANY SPECIFICATIONS
TRACED BY: F. C.	CHECKED BY: G. A.	DATED: AUG. 16, 1934



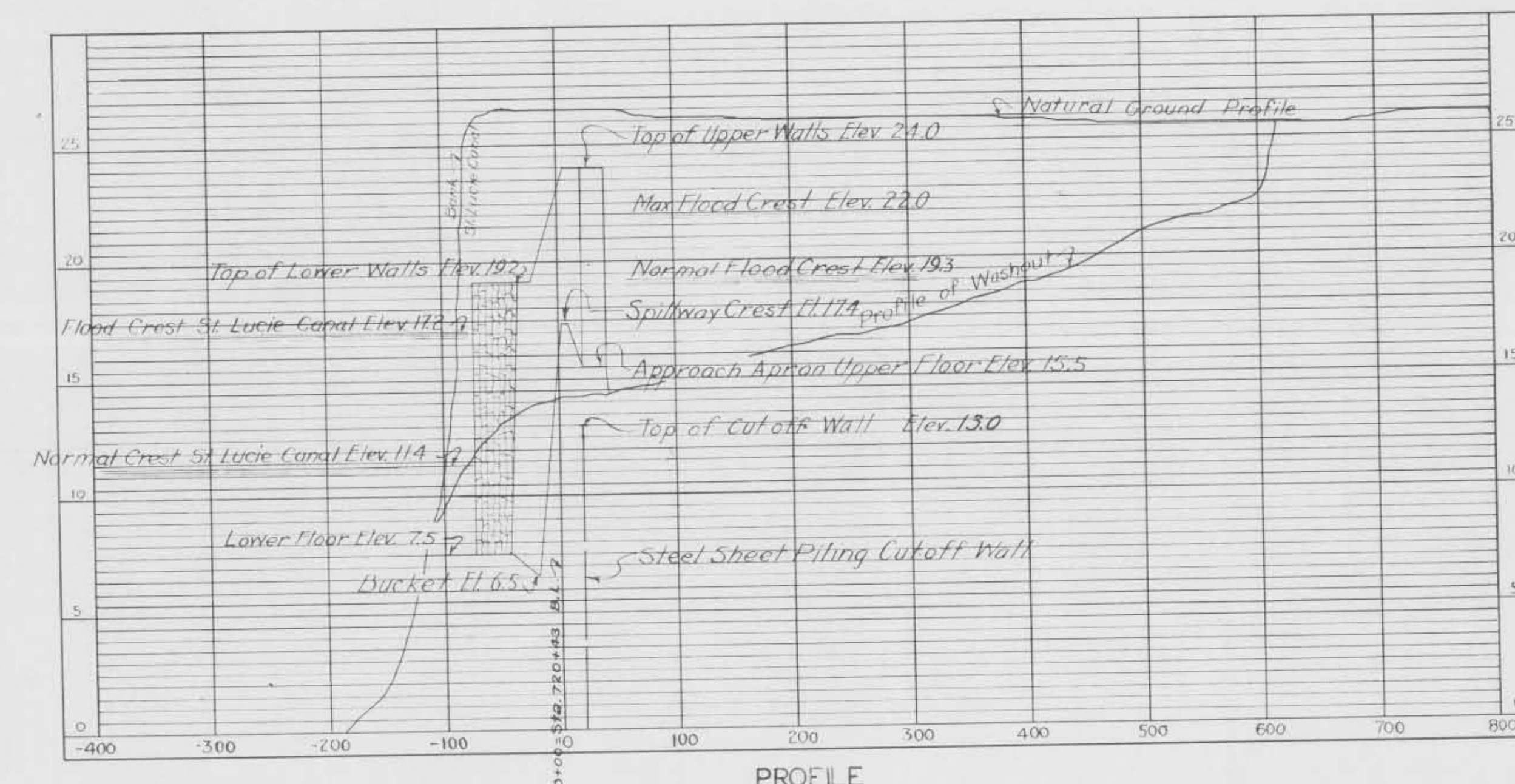
PLAN
Scale: 1" = 100'
Contour Interval 1 ft

Embankment

Excavation



VICINITY MAP
Scale: 1" = 400'



Note:
All earth slopes shown
on this sheet to be 1 1/2 to 1.

CALOOSAHATCHEE RIVER AND LAKE
OKEECHOBEE DRAINAGE AREAS, FLORIDA.
ST. LUCIE CANAL DRAINAGE SPILLWAYS
LAYOUT OF SPILLWAY NO. 13
"H"

IN 32 SHEETS SCALE: AS SHOWN SHEET No. 28

U. S. ENGINEER OFFICE JACKSONVILLE, FLORIDA, MAY 1933.

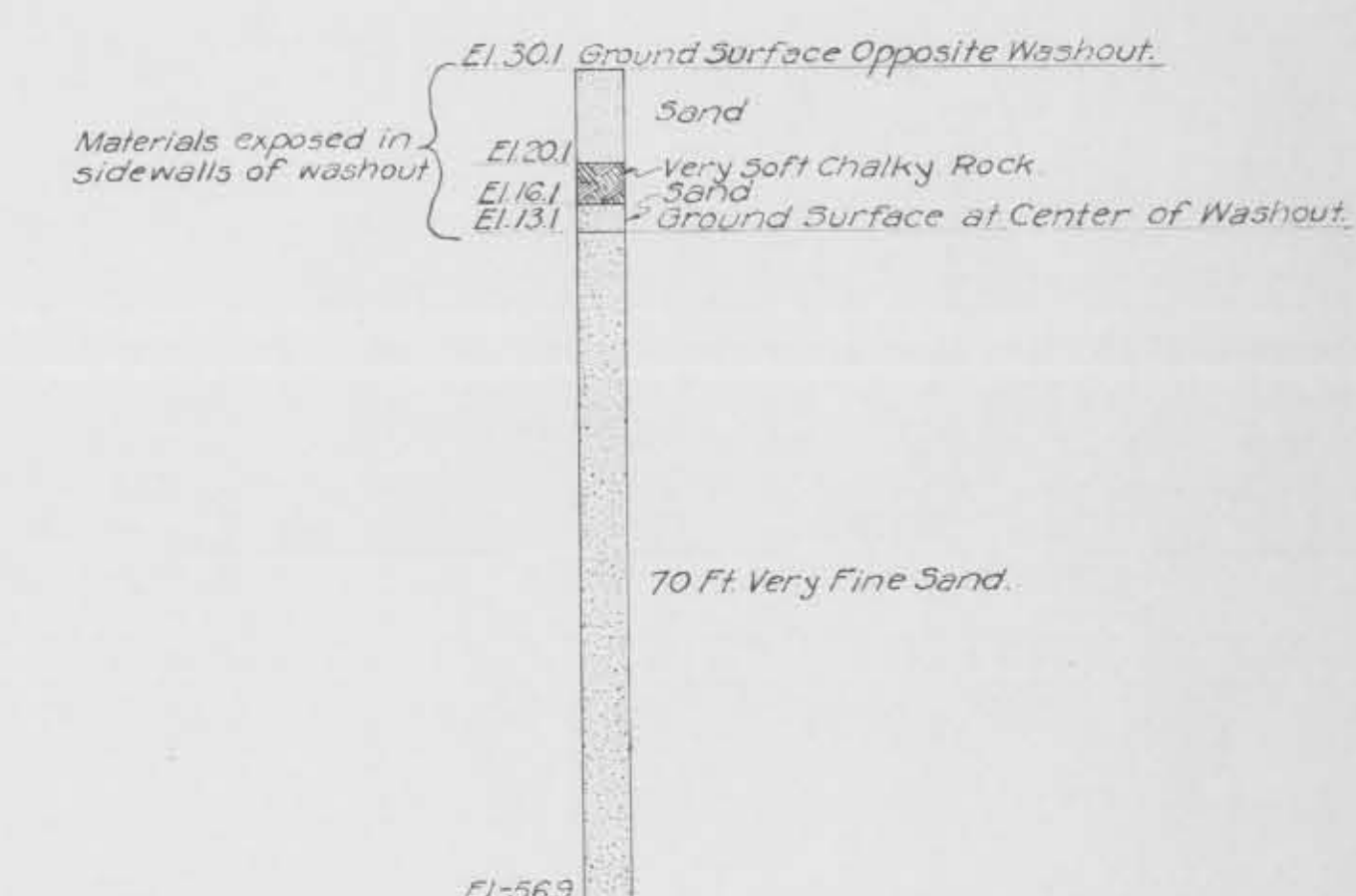
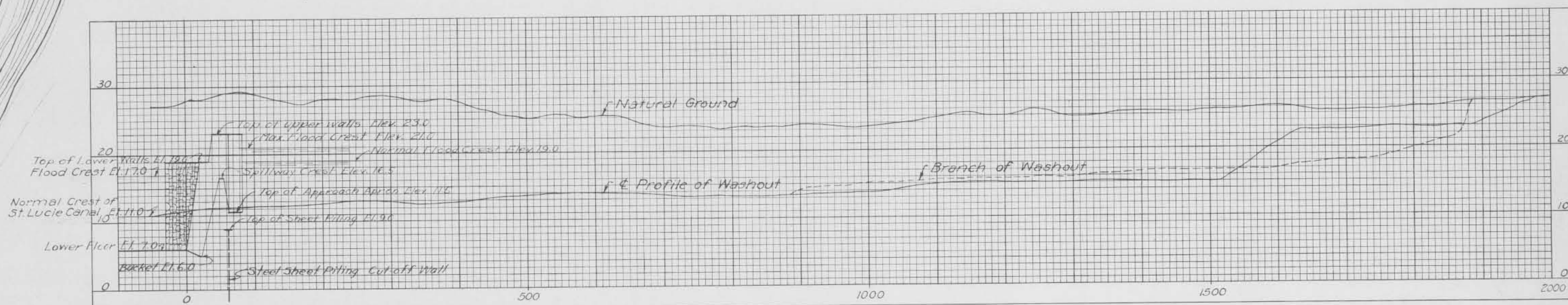
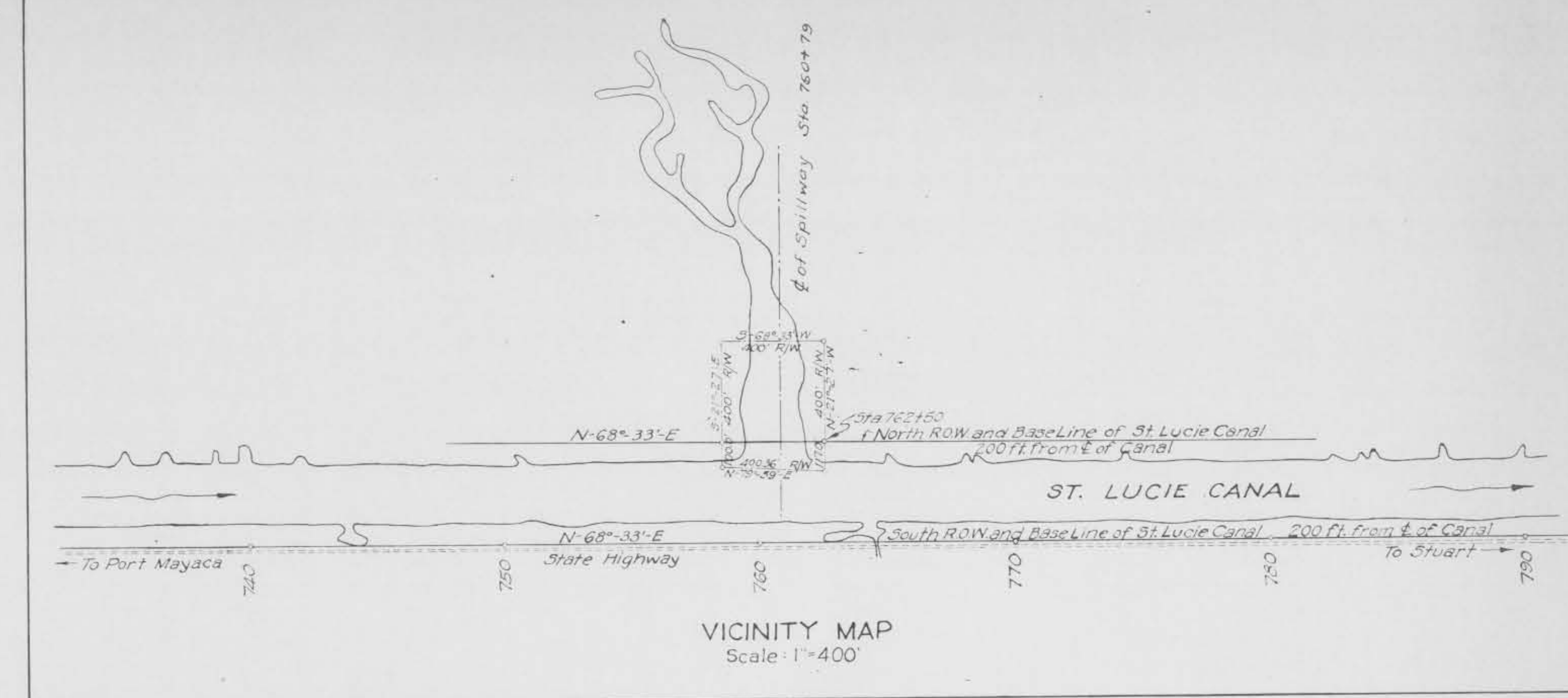
APPROVED: DATE: JULY 18, 1933
OKEECHOBEE FLOOD CONTROL DISTRICT.

DRAWN BY: H.S. TRACED BY: F.E.C. CHECKED BY: G.T.A.

FILE NO. 452-099-1308-9197

DATE: AUG. 16, 1934

HE-056



Note:
All earth slopes shown on
this sheet to be 1 1/2 to 1.

APPROVED: OKEECHOBEE FLOOD CONTROL DISTRICT.
DATE: JULY 18 1933.

BY: *Aug 13, 1933*
CONSULTING ENGINEER

CALOOSAHATCHEE RIVER AND LAKE
OKEECHOBEE DRAINAGE AREAS, FLORIDA.
ST. LUCIE CANAL DRAINAGE SPILLWAYS
LAYOUT OF SPILLWAY NO. 14
"MID"

IN 32 SHEETS SHEET NO. 29 SCALES: AS SHOWN.

U. S. ENGINEER OFFICE-JACKSONVILLE, FLORIDA. MAY 1933.

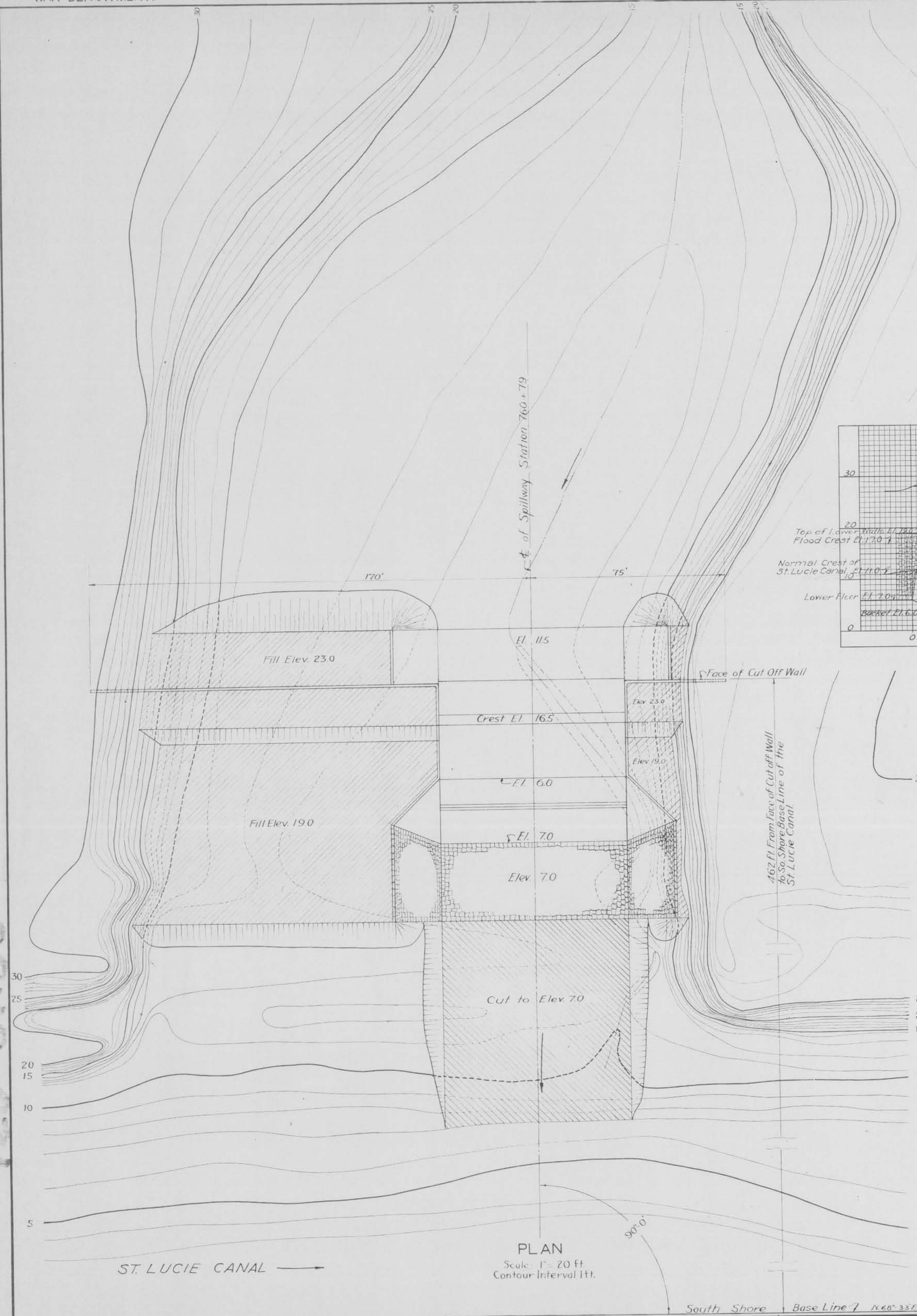
SUBMITTED: RECOMMENDED FOR APPROVAL: APPROVED:

E. C. Sourin *Carman Nelson* *Bohannon*
ASSOCIATE ENGINEER ENGINEER MAJOR, CORPS OF ENGINEERS

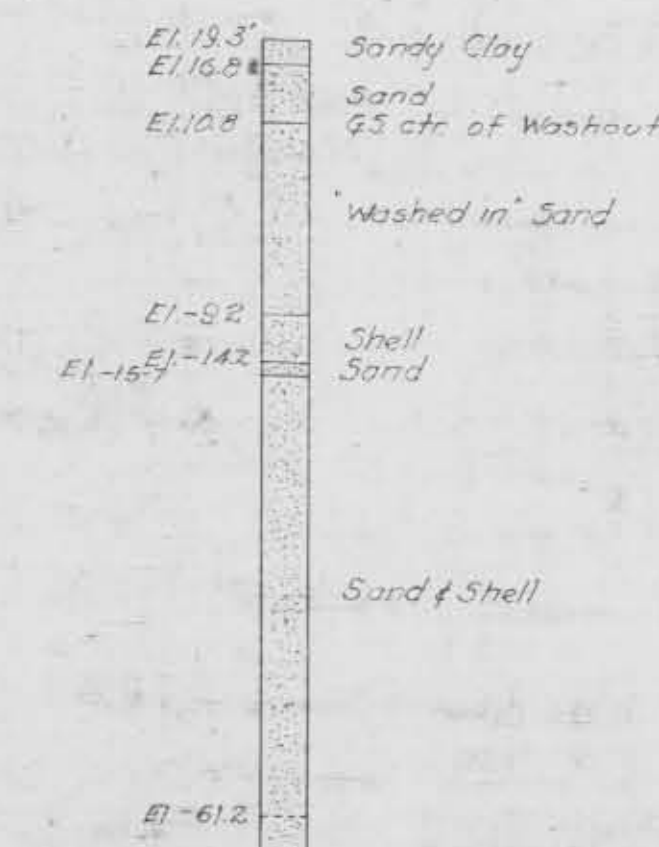
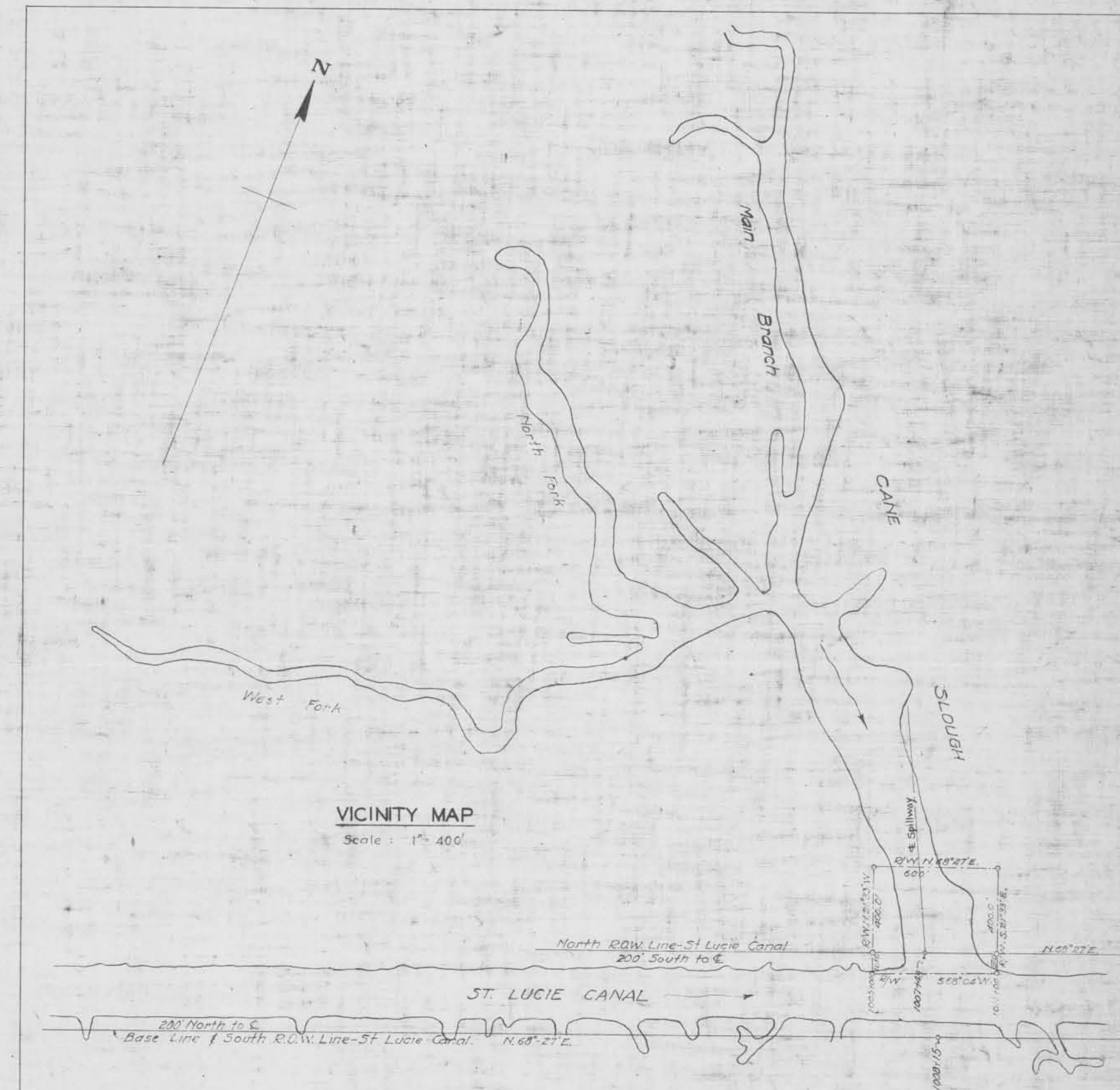
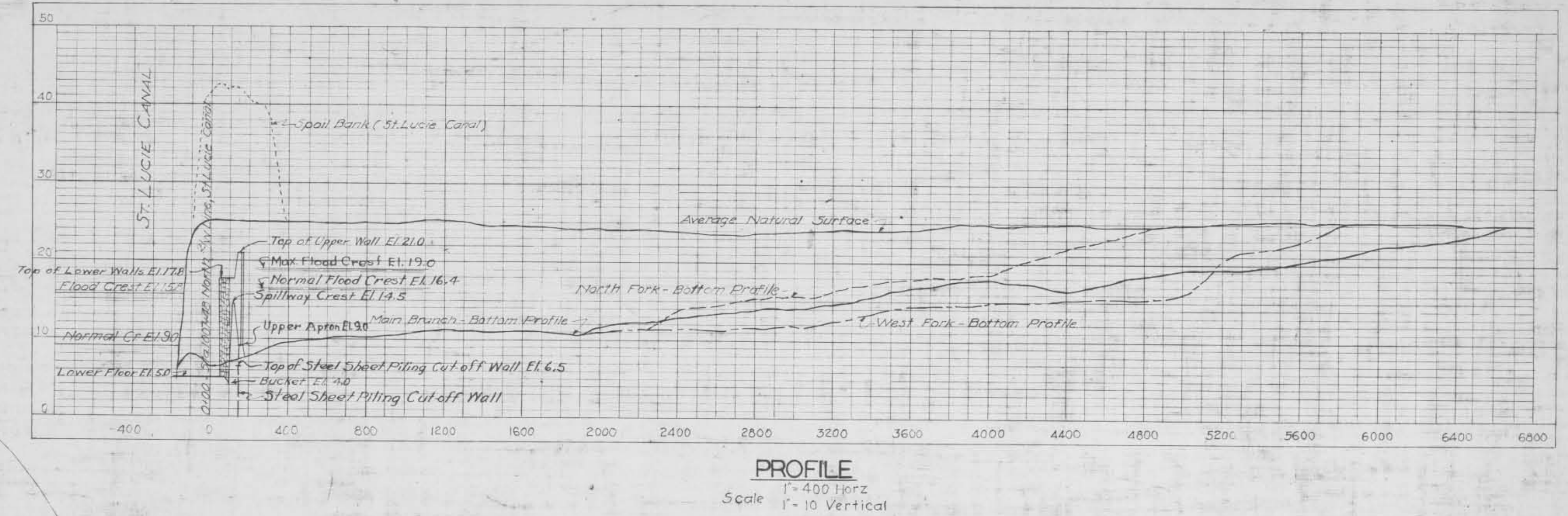
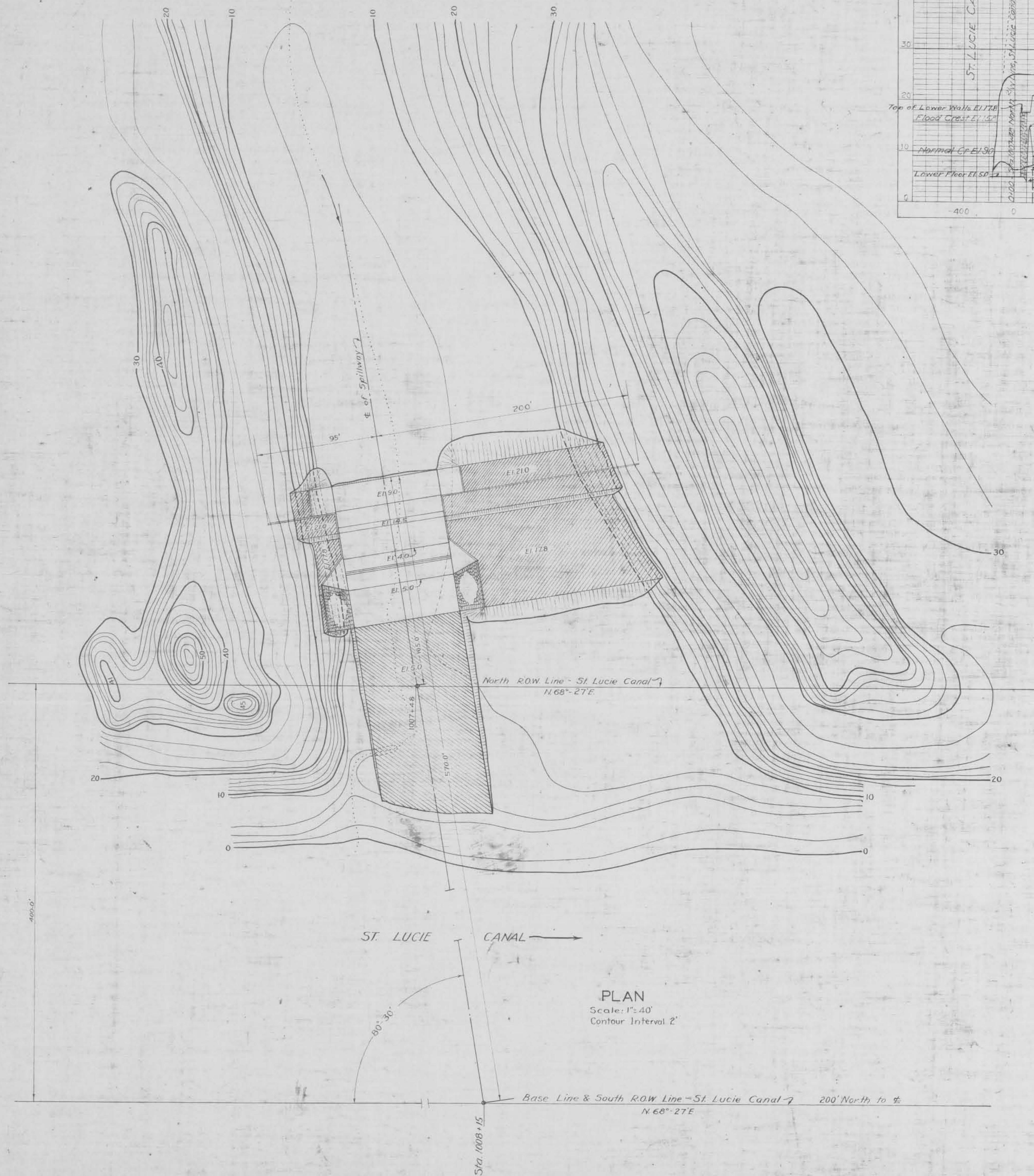
DRAWN BY: M.S. FILE NO. 152-9100 TO ACCOMPANY SPECIFICATIONS
TRACED BY: F.P.B.F.E.C. 1273-2122 DATED: AUG. 16, 1934.
CHECKED BY: G.T.A.

HE-056

120-91.99



120B-9199



Note:
All north slopes shown on
this sheet to be 1 1/2 to 1.

Embankment
Excavation

APPROVED: OKEECHOBEE FLOOD CONTROL DISTRICT.
DATE: JULY 18, 1933.

BY: J. B. Schmitt
CONSULTING ENGINEER

CALOOSAHATCHEE RIVER AND LAKE
OKEECHOBEE DRAINAGE AREAS, FLORIDA.
ST. LUCIE CANAL DRAINAGE SPILLWAYS
LAYOUT OF SPILLWAY NO. 15
CANE SLOUGH
IN 32 SHEETS SHEET NO. 30 SCALE: AS SHOWN

U.S. ENGINEER OFFICE-JACKSONVILLE, FLORIDA, MAY 1933.

SUBMITTED: E. B. Schmitt
RECOMMENDED FOR APPROVAL: E. B. Schmitt
APPROVED: E. B. Schmitt

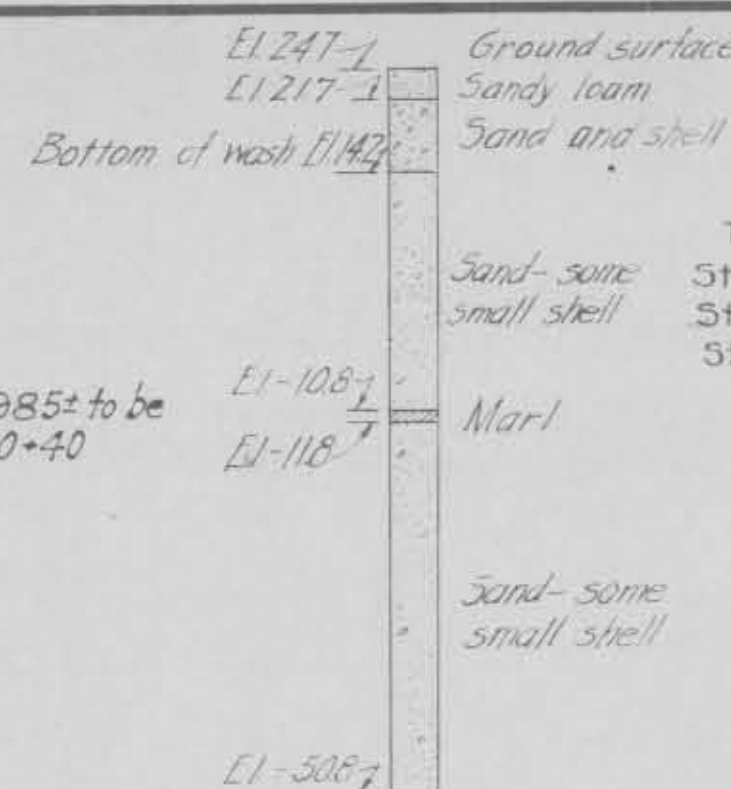
DRAWN BY: M.S.
TRACED BY: E.G.B. & F.C.
CHECKED BY: S.T.A.

FILE NO. 152-9199
TO ACCOMPANY SPECIFICATIONS DATED AUG. 16, 1934.

HE-056

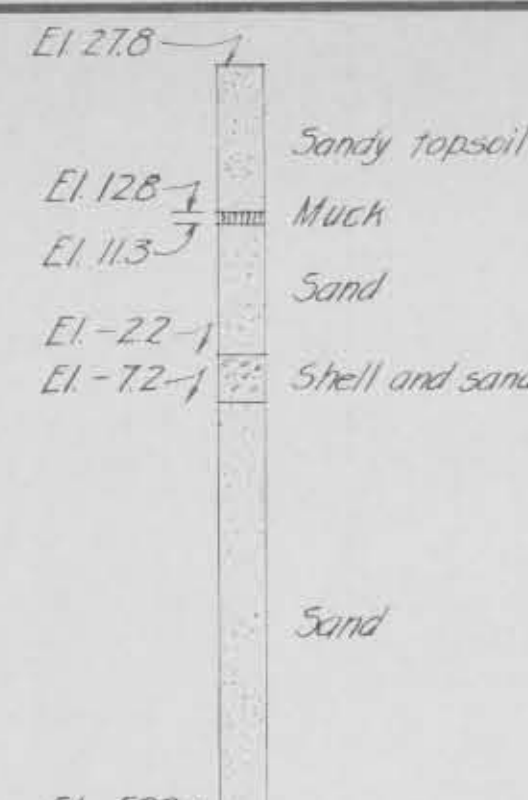
NOTE:-

Earth Fill Dam of Station 985+ to be similar to that at Station 1000+40

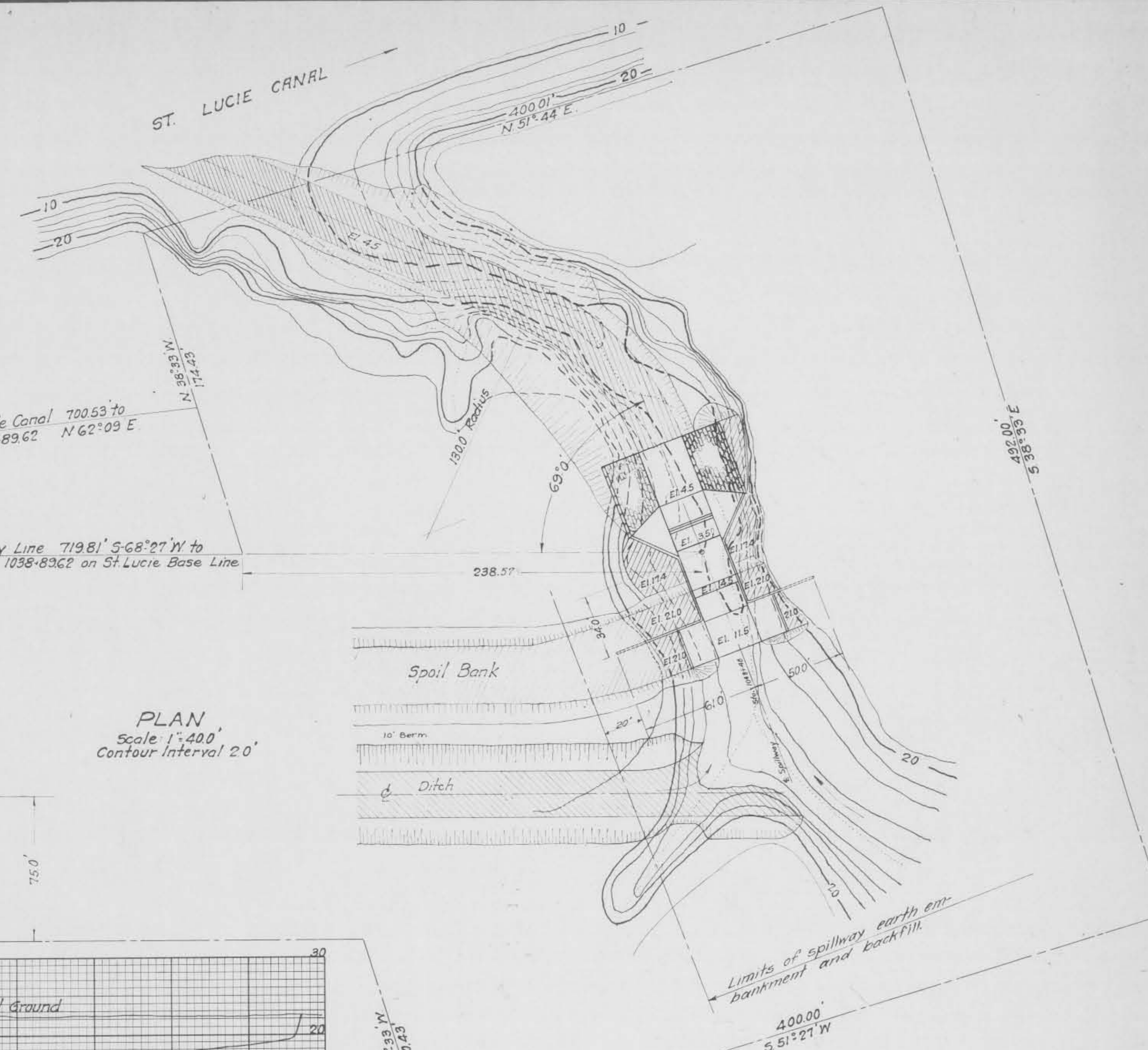


CORE DRILL SECTION Sta. 1000+

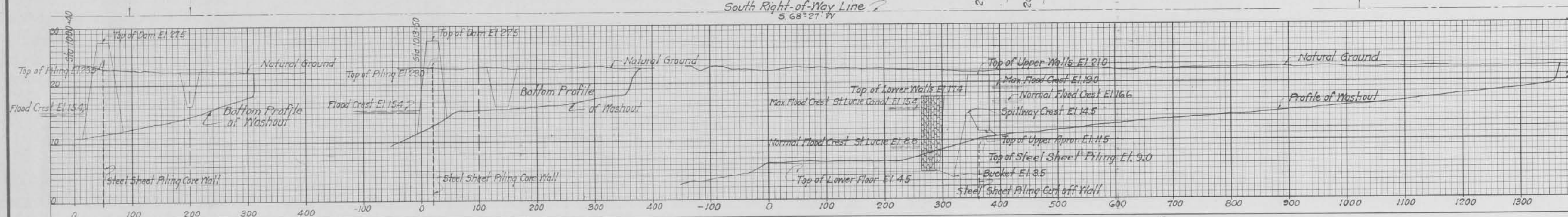
TYPICAL CROSS SECTION THRU DAMS. Scale 1"=20'



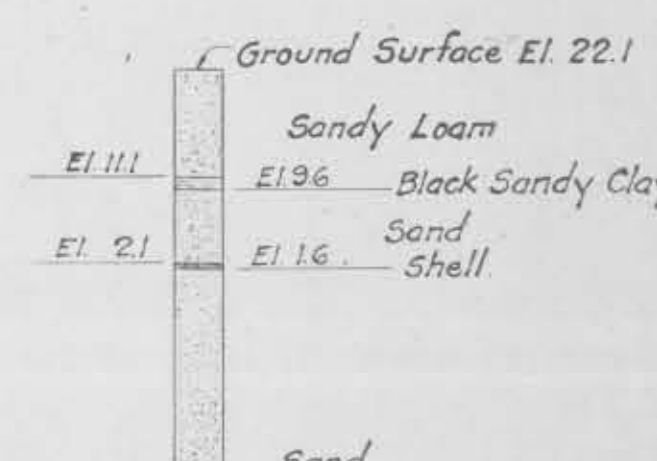
CORE DRILL SECTION Sta. 1014+



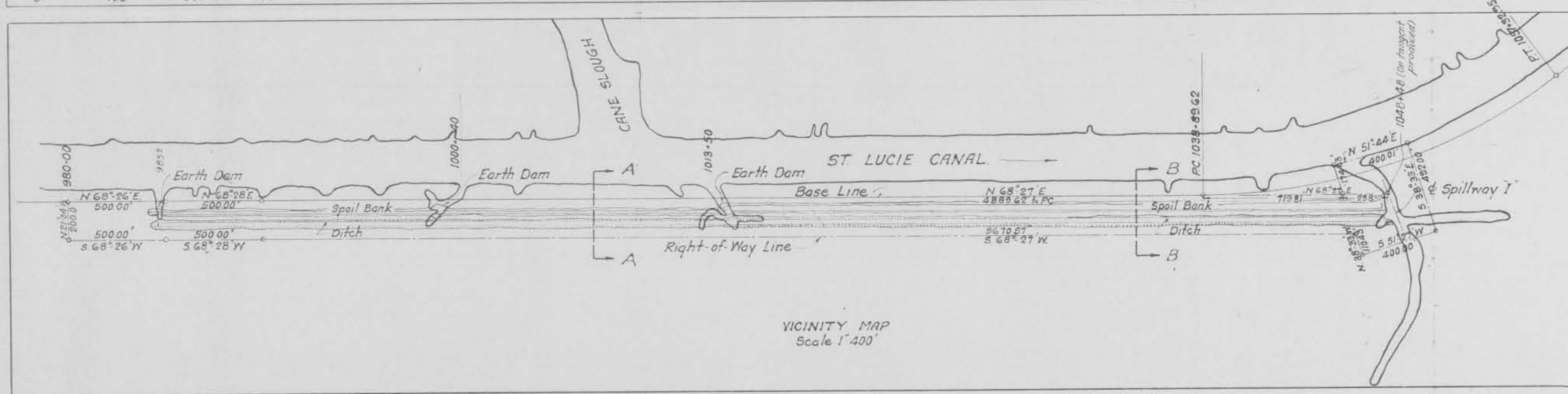
PLAN Scale 1"=400' Contour Interval 20'



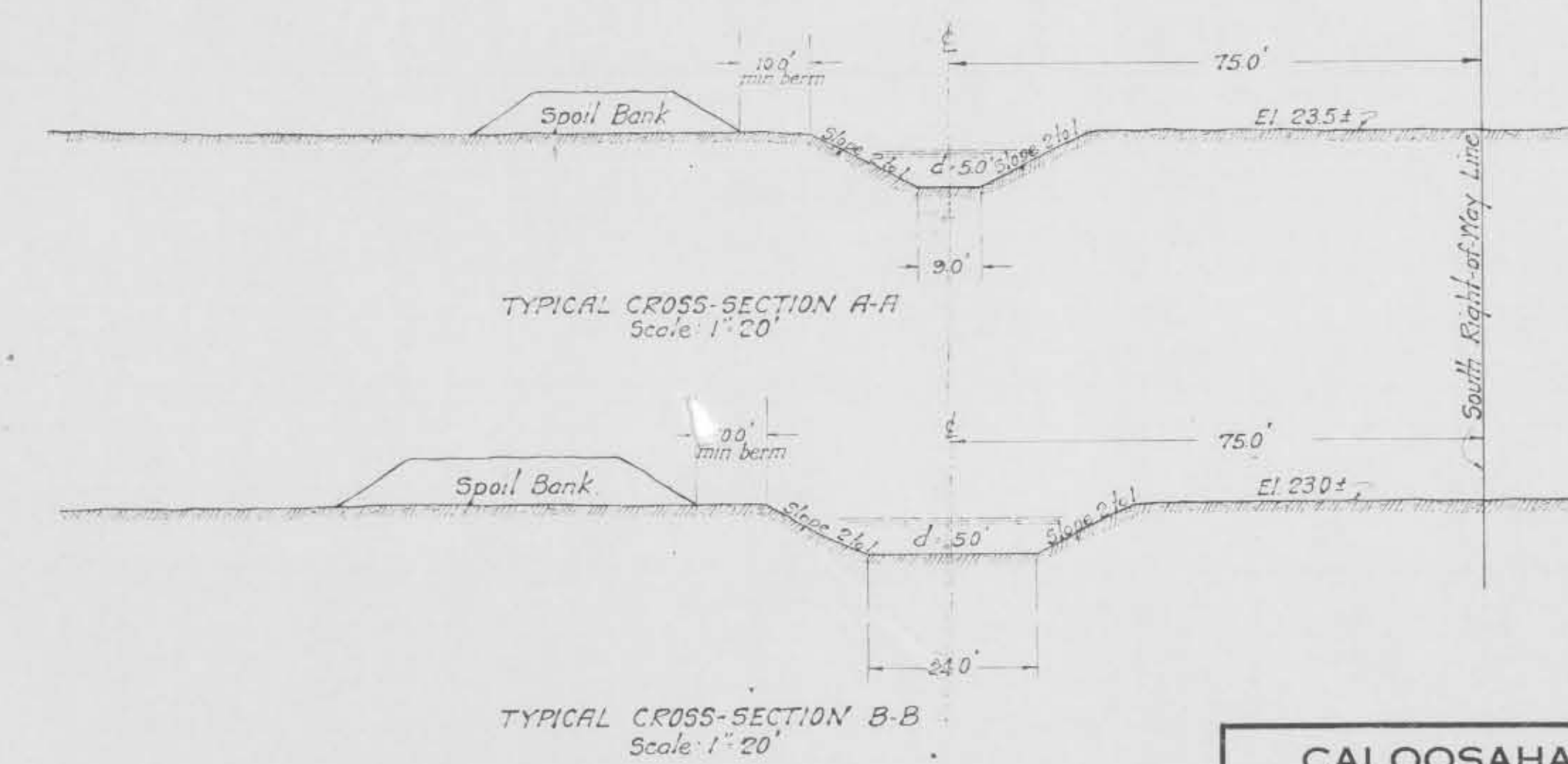
Embankment
Excavation



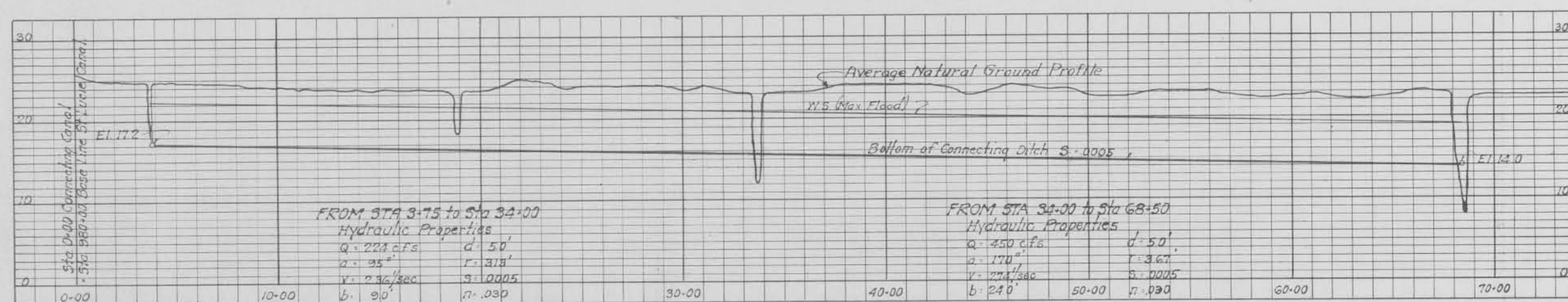
CORE DRILL SECTION Station 1047



VICINITY MAP Scale 1"=400'



TYPICAL CROSS-SECTION B-B Scale 1"=20'



PROFILE OF CONNECTING DITCH Scale 1"=400' Horiz, 1"=10' Vert

Note: All earth slopes on this sheet to be 1 1/2 to 1 unless otherwise noted.

APPROVED: DATE: JULY 18, 1933
OKEECHOBEE FLOOD CONTROL DISTRICT.
BY: J. B. Hill
CONSULTING ENGINEER

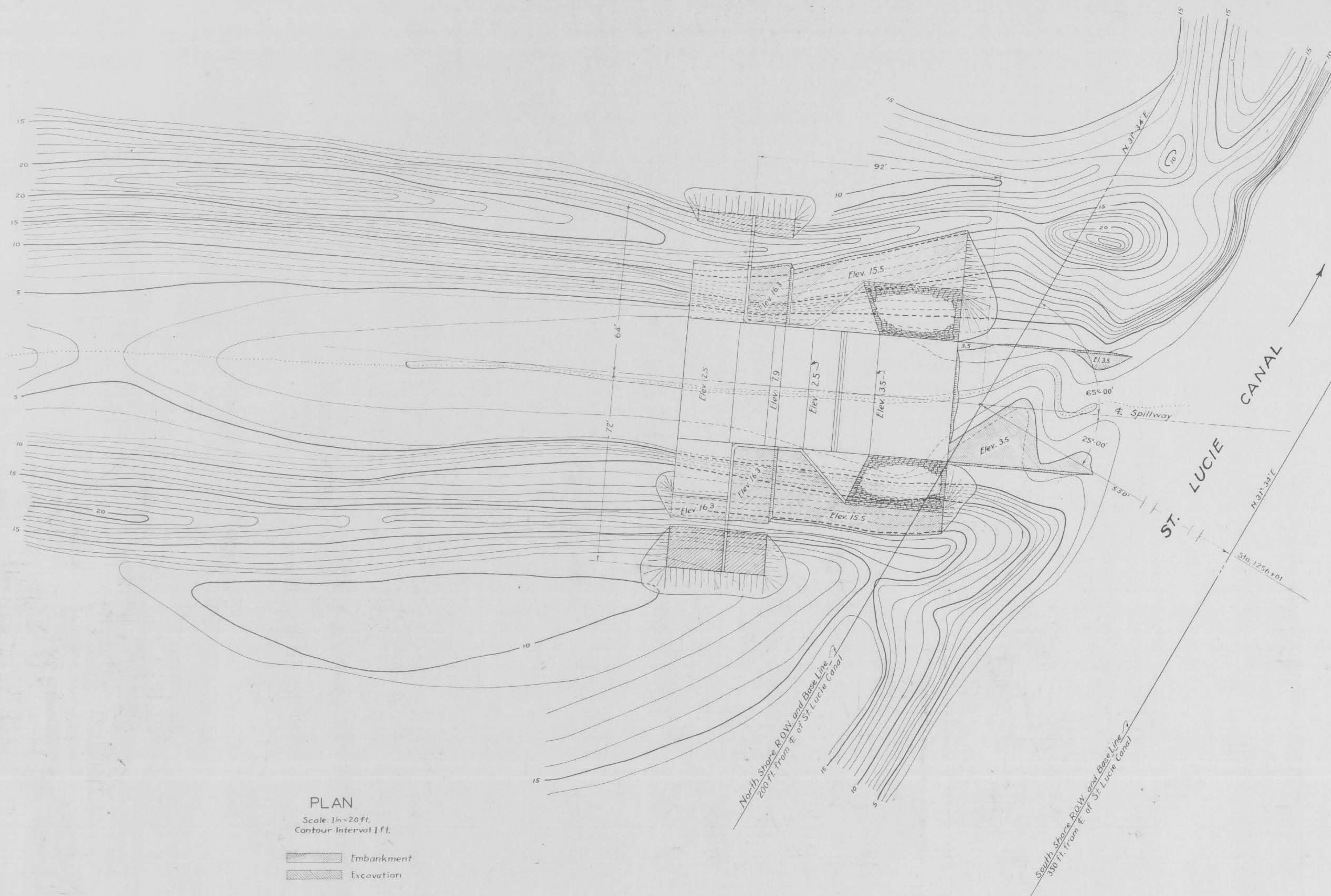
CALOOSAHATCHEE RIVER AND LAKE OKEECHOBEE DRAINAGE AREAS, FLORIDA.
ST. LUCIE CANAL DRAINAGE SPILLWAYS
LAYOUT OF SPILLWAY NO. 16

IN 32 SHEETS SCALE: AS SHOWN SHEET NO. 31

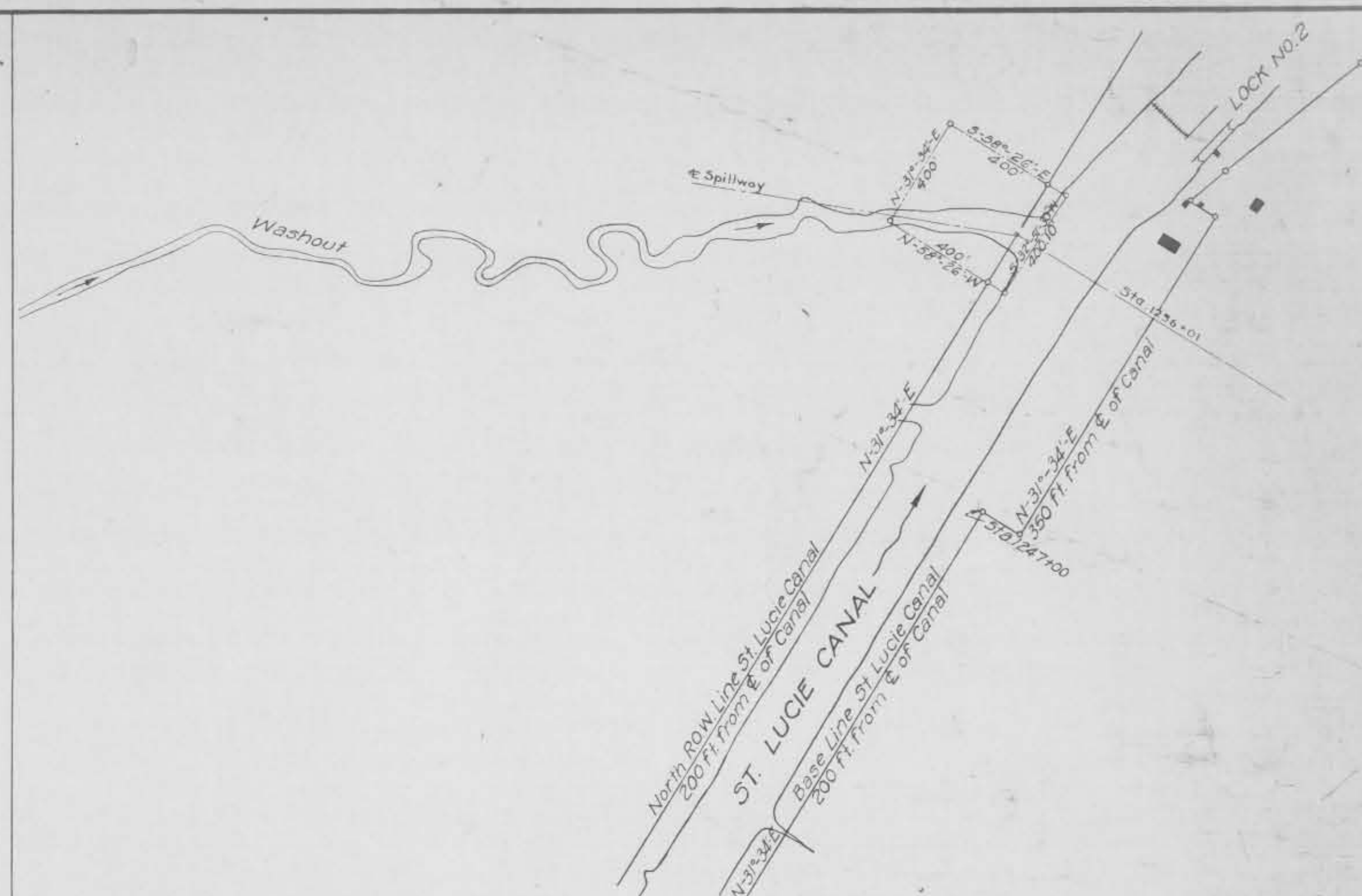
U. S. ENGINEER OFFICE - JACKSONVILLE, FLORIDA, MAY 1933.

SUBMITTED: RECOMMENDED FOR APPROVAL: APPROVED:
C. C. Schronitz Associate Engineer C. C. Nelson Engineer

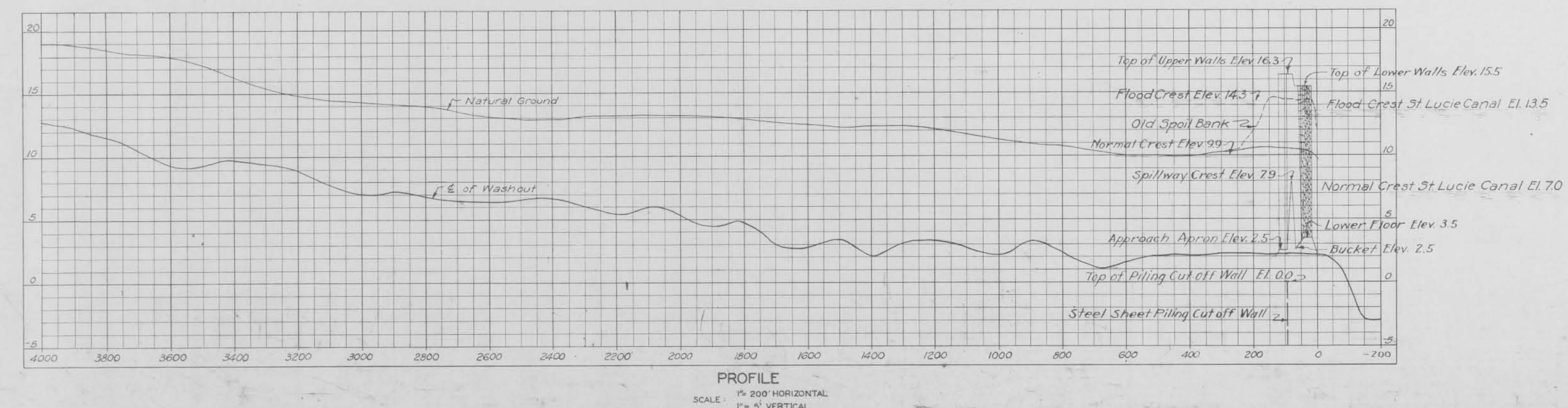
DRAWN BY: M. S. FILE NO. 152-9199
TRACED BY: W. C. B. 1208-9199
CHECKED BY: G. A. DATED: AUG. 16, 1934



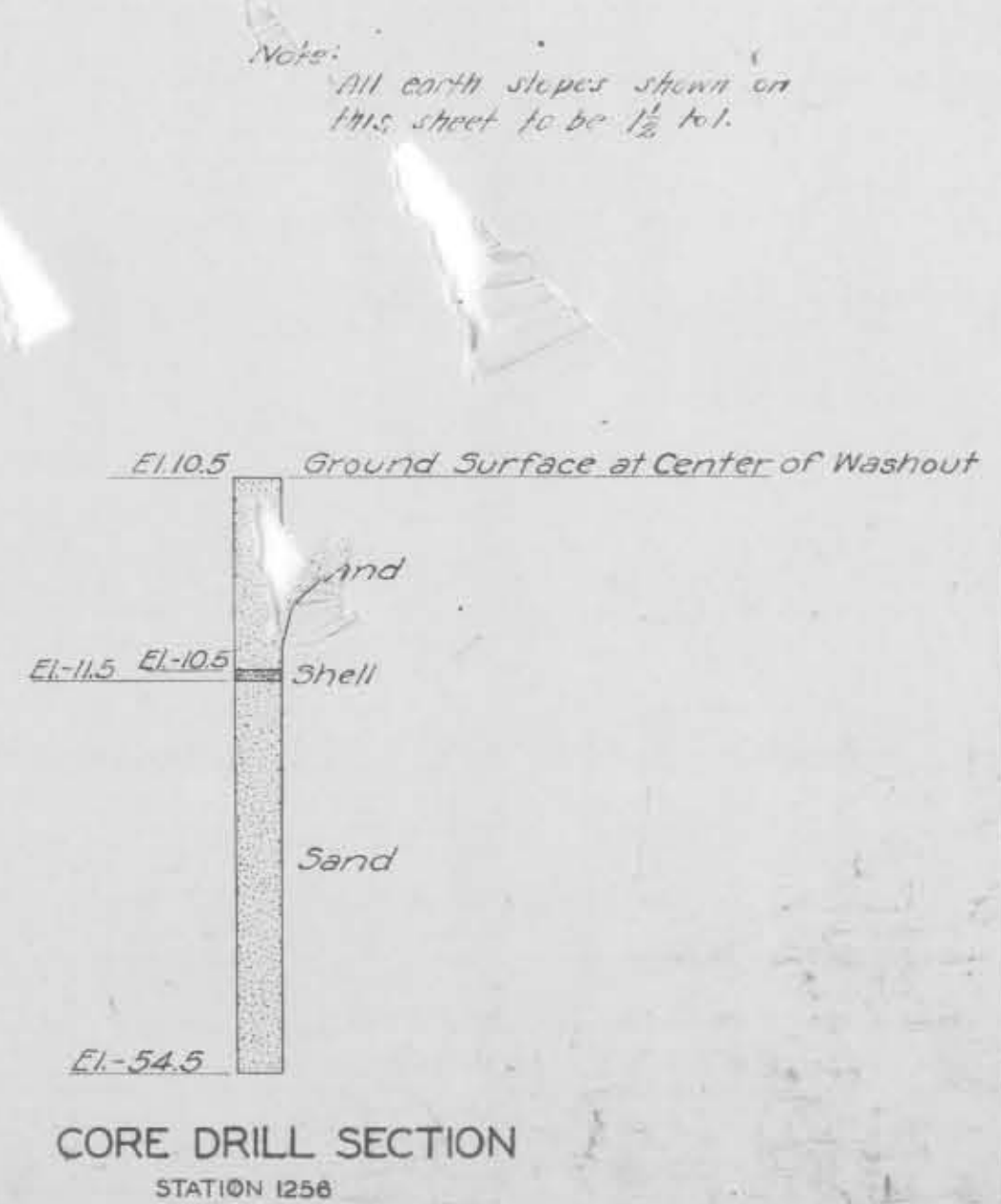
PLAN
Scale: 1 in = 20 ft.
Contour Interval 1 ft.
Legend:
— Embankment
— Excavation



VICINITY MAP
SCALE: 1" = 400'



PROFILE
SCALE: 1" = 200' HORIZONTAL
1" = 5' VERTICAL



CORE DRILL SECTION
STATION 1256

Note: All earth slopes shown on this sheet to be 1 1/2 to 1.

APPROVED: DATE: JULY 18, 1933.
OKEECHOBEE FLOOD CONTROL DISTRICT.
BY: *James P. White*
CONSULTING ENGINEER

CALOOSAHATCHEE RIVER AND LAKE OKEECHOBEE DRAINAGE AREAS, FLORIDA.		
ST. LUCIE CANAL DRAINAGE SPILLWAYS		
LAYOUT OF SPILLWAY NO. 17		
"EAST END"		
IN 32 SHEETS	SHEET NO. 32	SCALE: AS SHOWN
U.S. ENGINEER OFFICE—JACKSONVILLE, FLORIDA. MAY 1933.		
SUBMITTED:	RECOMMENDED FOR APPROVAL:	APPROVED:
<i>G. E. Schantz</i> ASSOCIATE ENGINEER	<i>Carman Nelson</i> ENGINEER	<i>G. E. Schantz</i> MAJOR, CORPS OF ENGINEERS
DRAWN BY: M.S. TRACED BY: F.B. & F.E. CHECKED BY: G.T.A.	FILE NO. 452-9199	TO ACCOMPANY SPECIFICATIONS DATED: JULY 16, 1933.

120B-9199
HE-056