

PLAN

Scale: 1:3000

GENERAL NOTES

Elevations are expressed in feet and refer to mean sea level. The dimensions shown from the B/L to the $\frac{1}{2}$ " wall are those which were used to drive the existing sheet piling. The actual locations of the existing sheet piling may vary from these dimensions, but in all cases the $\frac{1}{2}$ " wall shall coincide with the $\frac{1}{2}$ " of the existing sheet piling. Item marked C.R.S. shall be corrosion-resisting steel. All unformed surfaces shall be given a wood float finish. Unless otherwise indicated, all exterior formed surfaces not to be covered by backfill shall be class "A" finish. All exterior formed surfaces to be covered by backfill shall be class "D" finish. All exposed concrete surfaces on the protected side shall be sack rubbed only. All exposed corners of concrete shall be chamfered $\frac{3}{4}$ " unless otherwise indicated. All horizontal construction joints and monolith joints to have $\frac{3}{4}$ " chamfer ($\frac{3}{4}$ " on each side of joint). All monoliths shall be as shown on the plan and profile. The monoliths shall be adjusted so that the monolith joints fall on sheet pile interlocks.

All primary reinforcement shall have a minimum cover of $2\frac{1}{2}$ ". The cover of secondary reinforcing may be reduced from the above by the size of the bar. Reinforcing bar designation numbers conform to the current numbering system of the "Concrete Reinforcing Steel Institute". All reinforcing splices shall be lapped according to the following table:

BAR SIZE NO.	MINIMUM LAP LENGTH, INCHES
4	14
6	22

7 Denotes Monolith No.

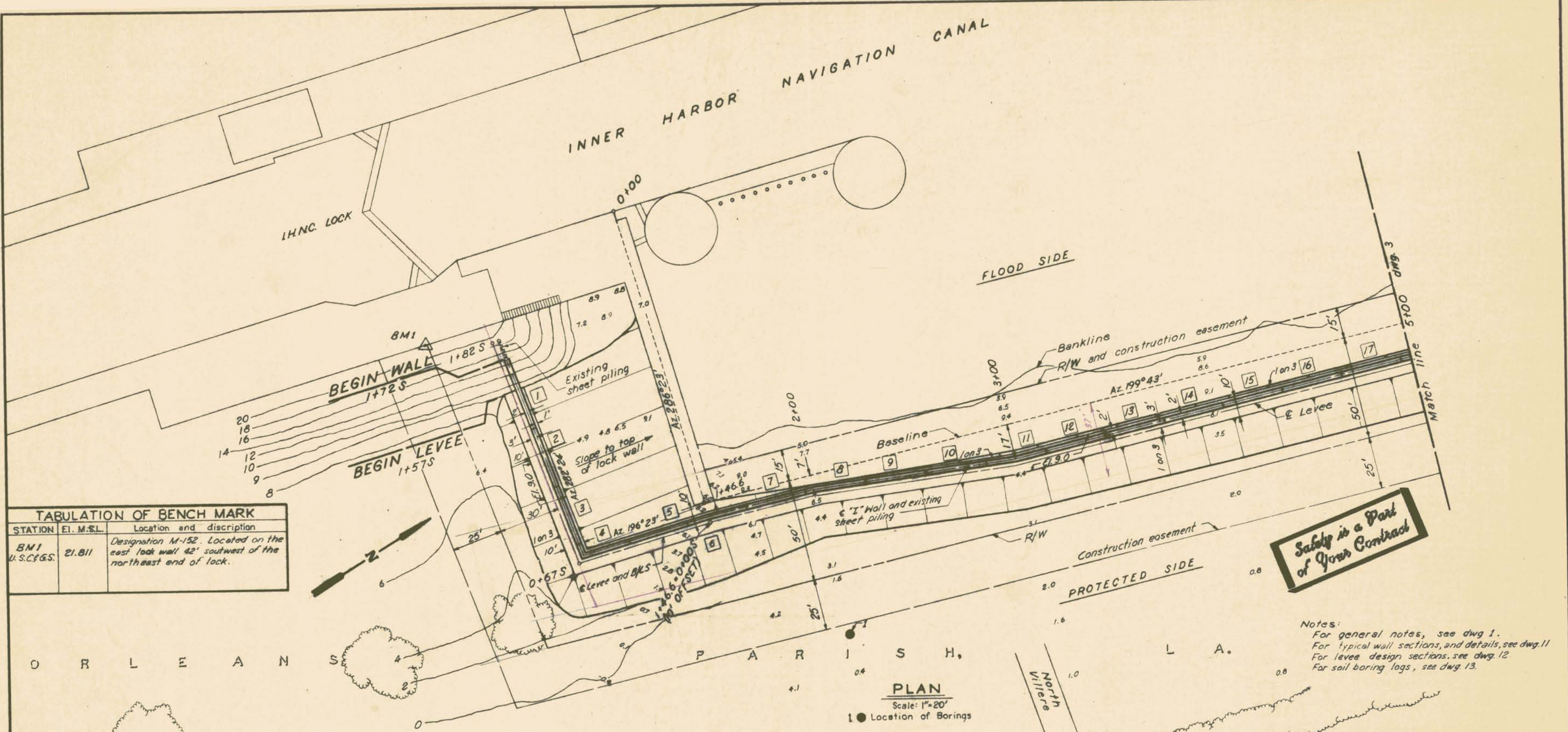
DWG.	TITLE
1	LOCATION PLAN, VICINITY MAP AND INDEX
2	PLAN AND PROFILE
3	PLAN AND PROFILE
4	PLAN AND PROFILE
5	PLAN AND PROFILE
6	PLAN AND PROFILE
7	PLAN AND PROFILE
8	PLAN AND PROFILE
9	PLAN AND PROFILE
10	PLAN AND PROFILE
11	TYPICAL WALL SECTIONS, REFERENCE BOLTS AND ELECTRICAL BONDING
12	TYPICAL LEVEE DESIGN SECTIONS
13	SOIL BORINGS
14	BORROW AREA LOCATION - HOWZE BEACH
15	BORROW AREA LOCATION - BONNET CARRE SPILLWAY
12A	TYPICAL LEVEE DESIGN SECTIONS

PLATE A - SOIL BORING LEGEND FILE No. H-2-21800

1-14-70 Added dwg. 12A to index.

DESIGNED: W.D.J.	DRAWN: J.R.S.	CHECKED: W.D.J.	DESCRIPTION: U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LA. LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY CHALMETTE AREA INNER HARBER NAVIGATION CANAL EAST LEVEE - I.H.N.C. LOCK TO FLORIDA AVE. LEVEE AND FLOODWALL CAPPING
SUBMITTED: <i>[Signature]</i> DATE: NOV. 1969			FILE NO. H-4-25157
APPROVED: <i>[Signature]</i> DATE: _____			SCALE SHOWN: _____ SPEC. NO. DACW28-70-B-0088 DWG. NO. 1 OF 15

AS CONSTRUCTED



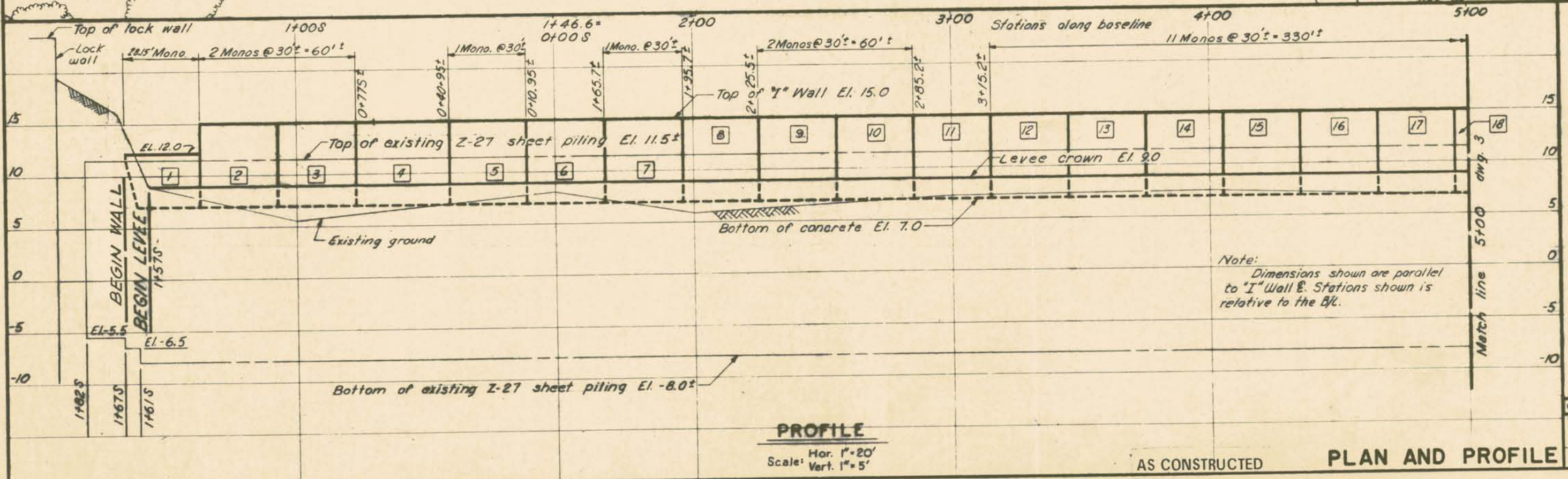
TABULATION OF BENCH MARK

STATION	EL. M.S.L.	Location and description
BM1 U.S.C.F.G.S.	21.811	Designation M-152. Located on the east lock wall 42' southwest of the northeast end of lock.

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Notes:
 For general notes, see dwg. 1.
 For typical wall sections, and details, see dwg. 11.
 For levee design sections, see dwg. 12.
 For soil boring logs, see dwg. 13.

PLAN
 Scale: 1"=20'
 1 ● Location of Borings



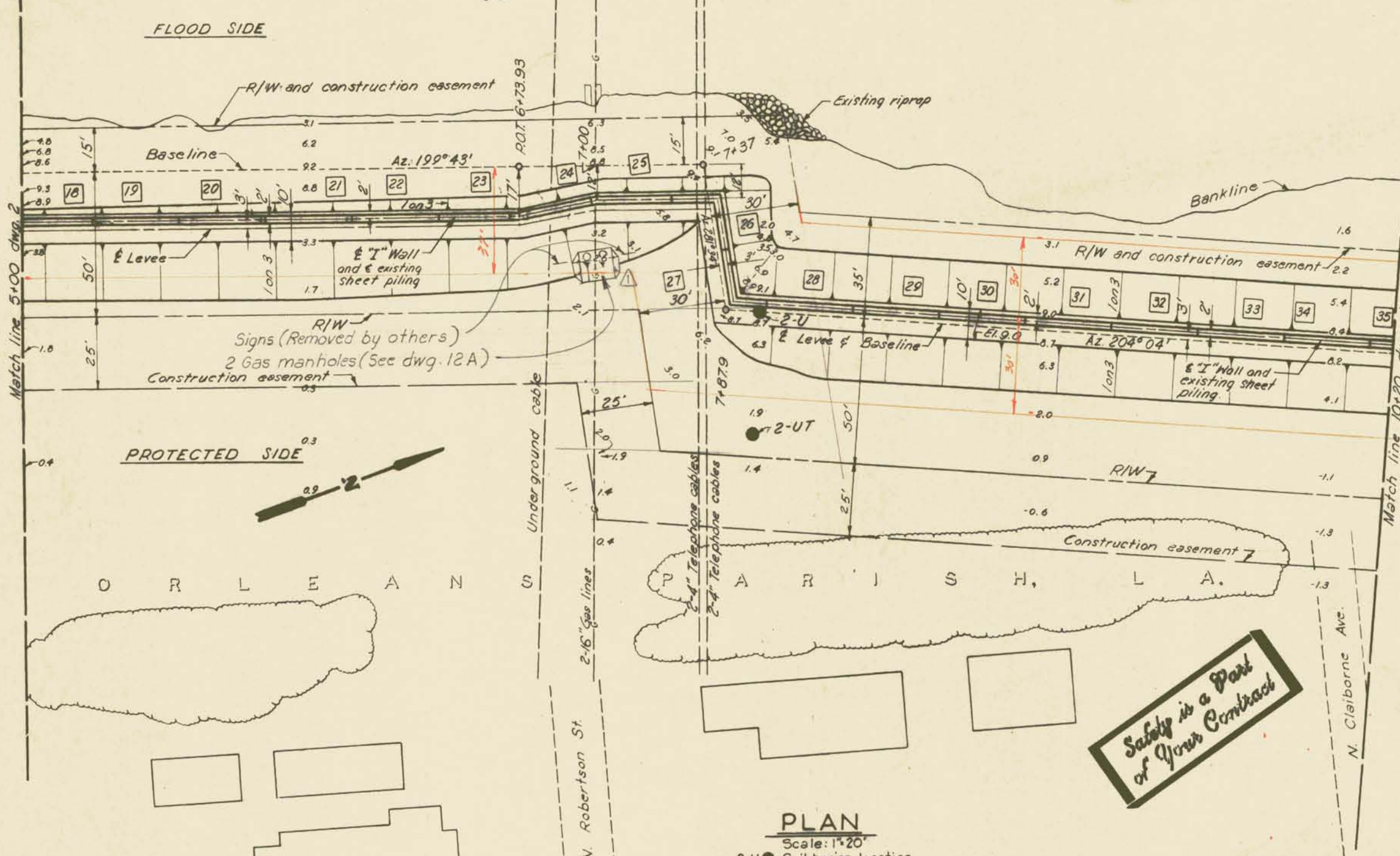
PROFILE
 Scale: Hor. 1"=20'
 Vert. 1"=5'

AS CONSTRUCTED

PLAN AND PROFILE

REVISION	DATE	DESCRIPTION	BY
DESIGNED: W.D.J.	DRAWN: J.R.S.	CHECKED: W.D.J.	
CODE IDENT. NO. H-4-25157 DATE: NOV. 1969 SCALE: SHOWN SPEC. NO. DACW-70-8-0088 DWG. 2 OF 15			

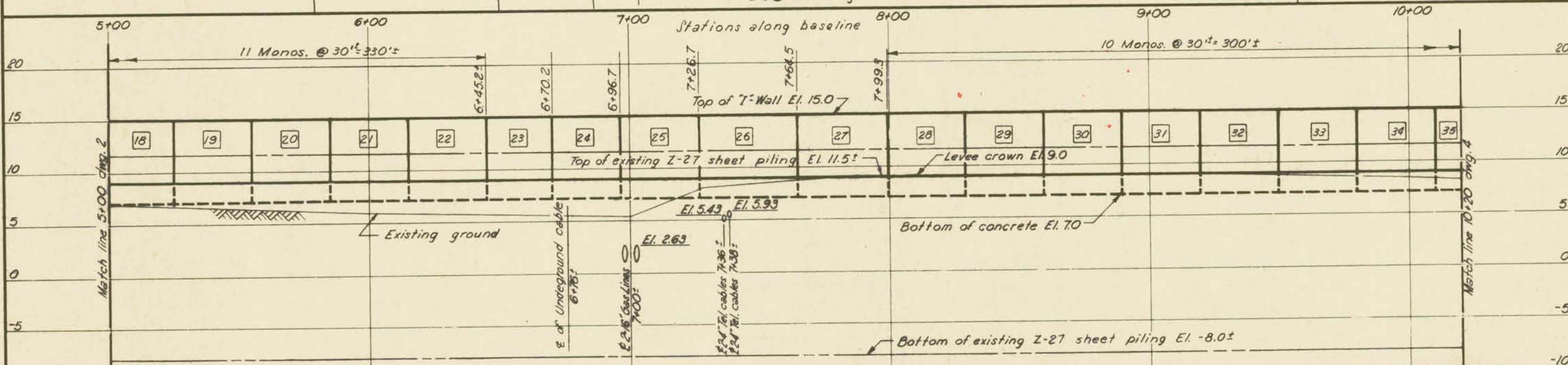
INNER HARBOR NAVIGATION CANAL



PLAN
Scale: 1"=20'
2-U ● Soil boring location

Notes:
For general notes, see dwg. 1.
For typical wall sections and details, see dwg. 11.
For levee design sections, see dwg. 12.
For soil boring logs, see dwg. 13.

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PROFILE
Scale: Hor 1"=20'
Vert. 1"=5'

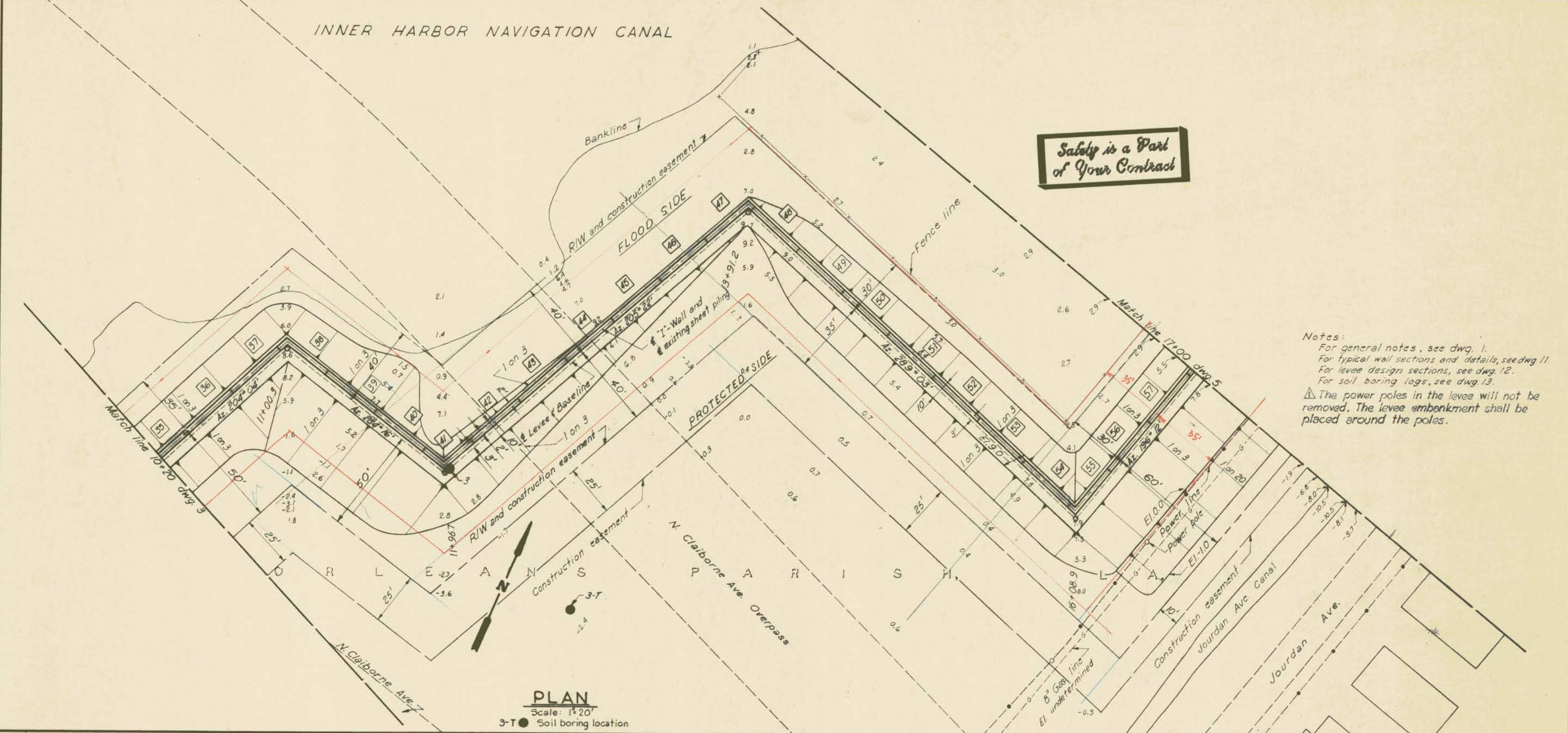
1-14-70 Added gas manholes		J.J.P.
DESIGNED	DATE	DESCRIPTION
W.D.J.	B.H.D.	BY
CHECKED	CODE IDENT. NO.	FILE NO.
W.D.J.		
DATE: NOV. 1969		SCALE SHOWN
SPEC. NO. DACWB-70-B-0088		DWG. NO. 3 OF 15

AS CONSTRUCTED
PLAN AND PROFILE

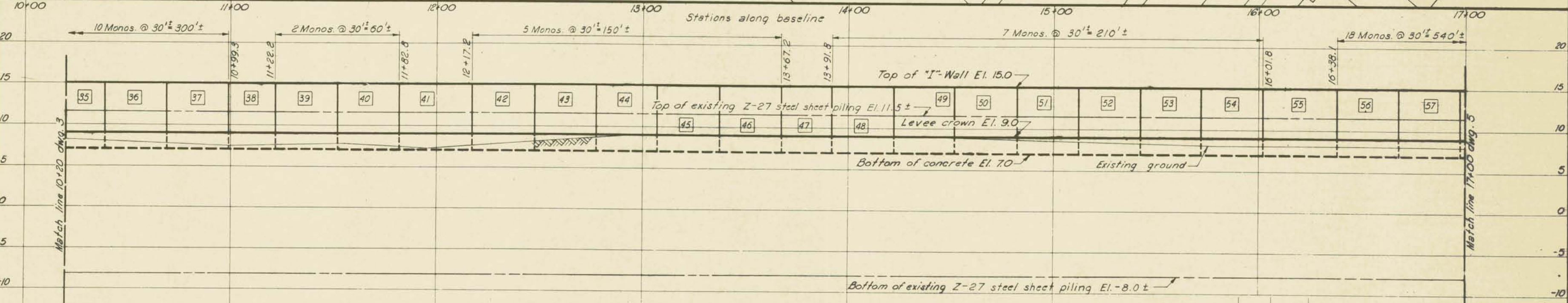
INNER HARBOR NAVIGATION CANAL

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of Your Contract**

Notes:
 For general notes, see dwg. 1.
 For typical wall sections and details, see dwg. 11.
 For levee design sections, see dwg. 12.
 For soil boring logs, see dwg. 13.
 ▲ The power poles in the levee will not be removed. The levee embankment shall be placed around the poles.



PLAN
 Scale: 1"=20'
 3-T ● Soil boring location



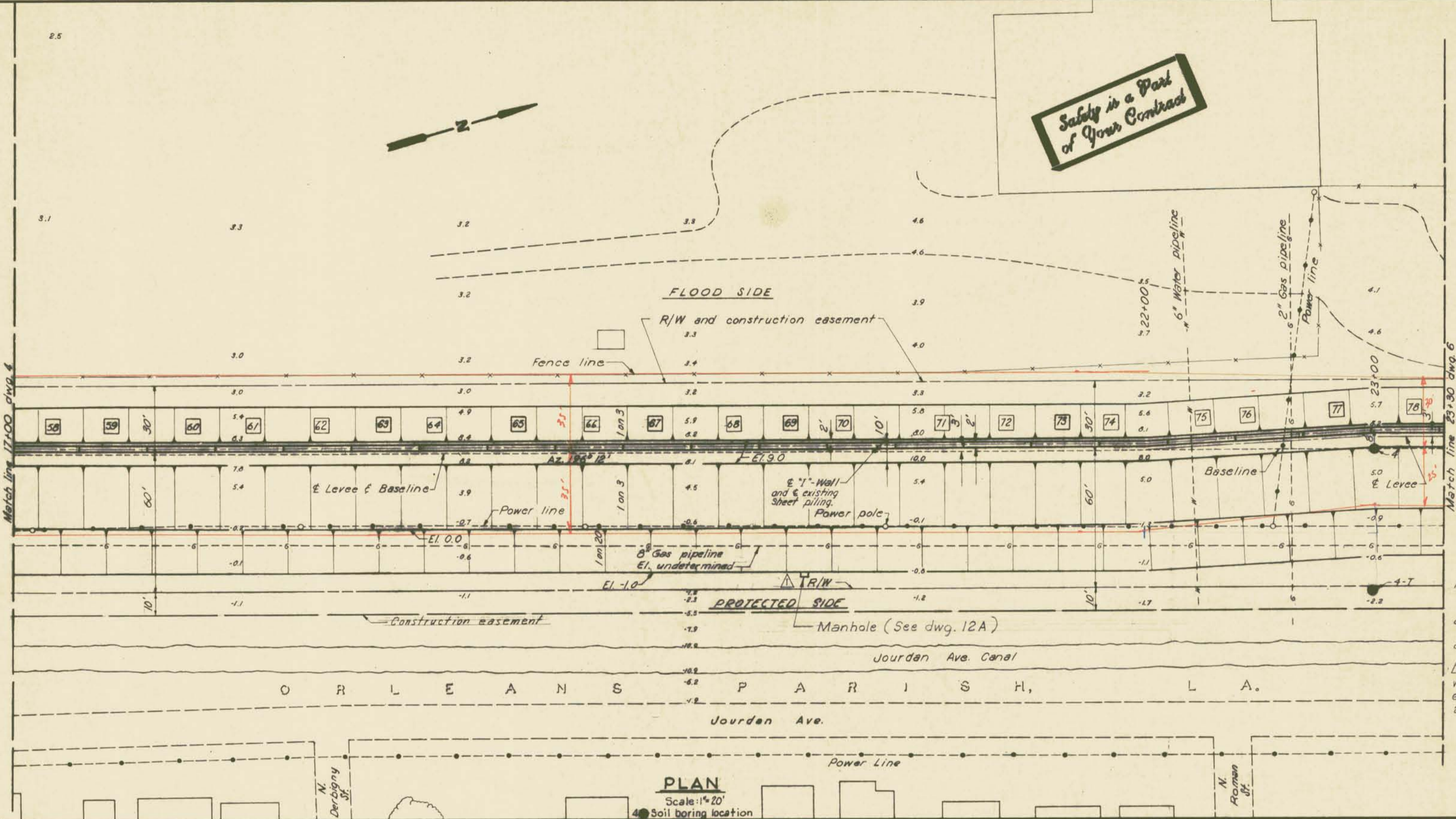
PROFILE
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 Vert. 1"=5'

AS CONSTRUCTED
PLAN AND PROFILE

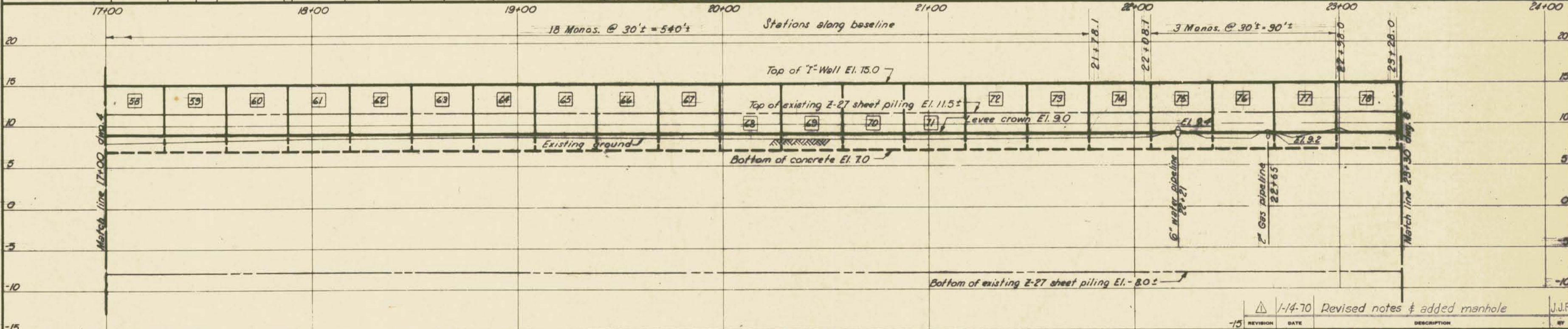
REVISION		DATE	DESCRIPTION	BY
▲		1-14-70	Revised notes.	
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO.	SIZE
W. D. J.	B. H. D.	W. D. J.		
DATE:		NOV. 1969	SCALE SHOWN:	SPEC. NO. DACWES-70-8-0088
			DWG. NO. 4	OF 15

H-4-25157

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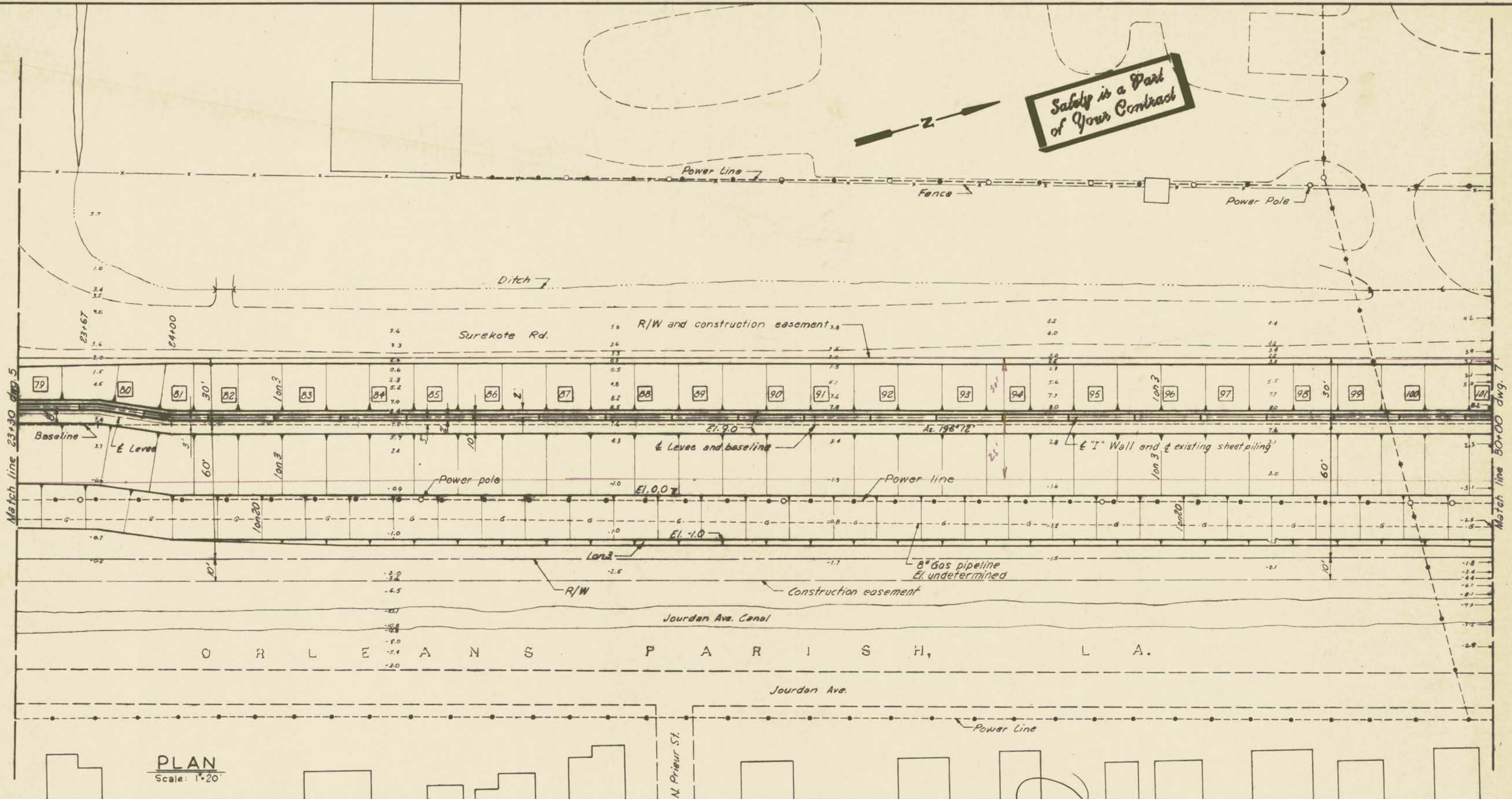
Note:
For general notes, see dwg. 1.
For typical wall sections, see dwg. 11.
For levee design sections, see dwg. 12.
For soil boring logs, see dwg. 13.
The power poles in the levee will not be removed. The levee embankment shall be placed around the poles.



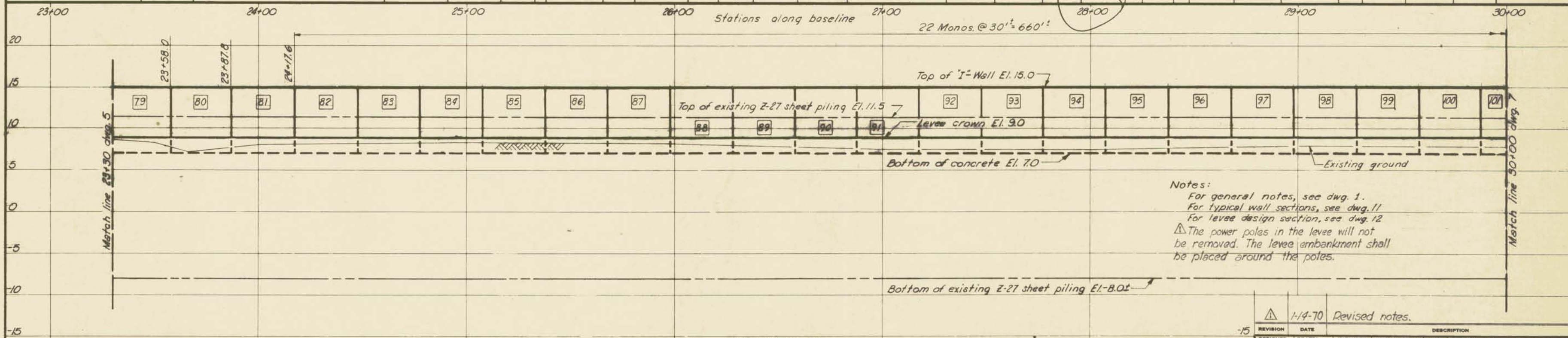
REVISION	DATE	DESCRIPTION	BY
1-14-70		Revised notes & added manhole	J.J.P.

AS CONSTRUCTED
PLAN AND PROFILE
H-4-25157
NOV. 1969
SCALE SHOWN SPEC. NO. DACRWS-70-S-0088 DWG. NO. 5 OF 15

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PLAN
Scale: 1"=20'

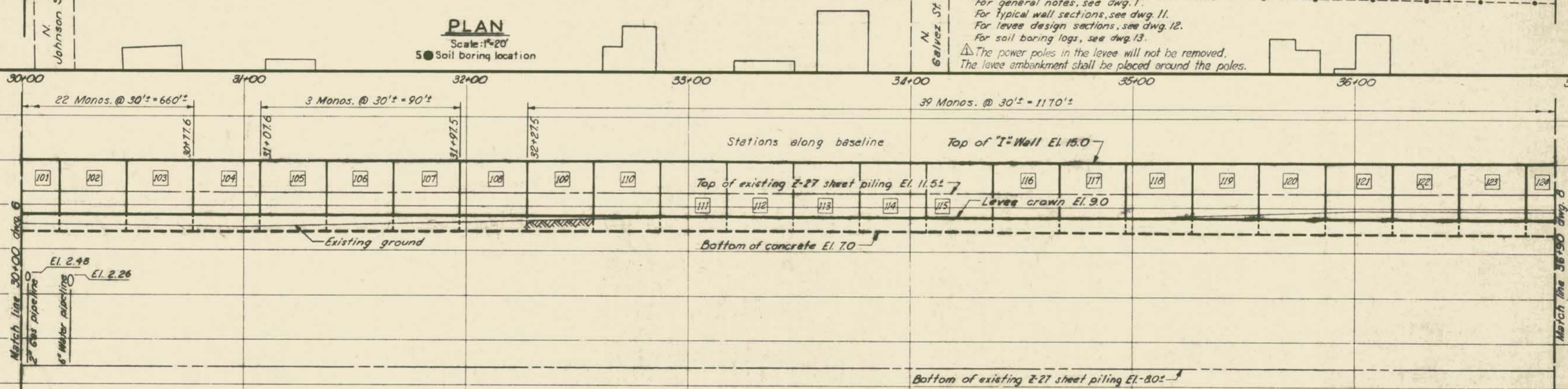
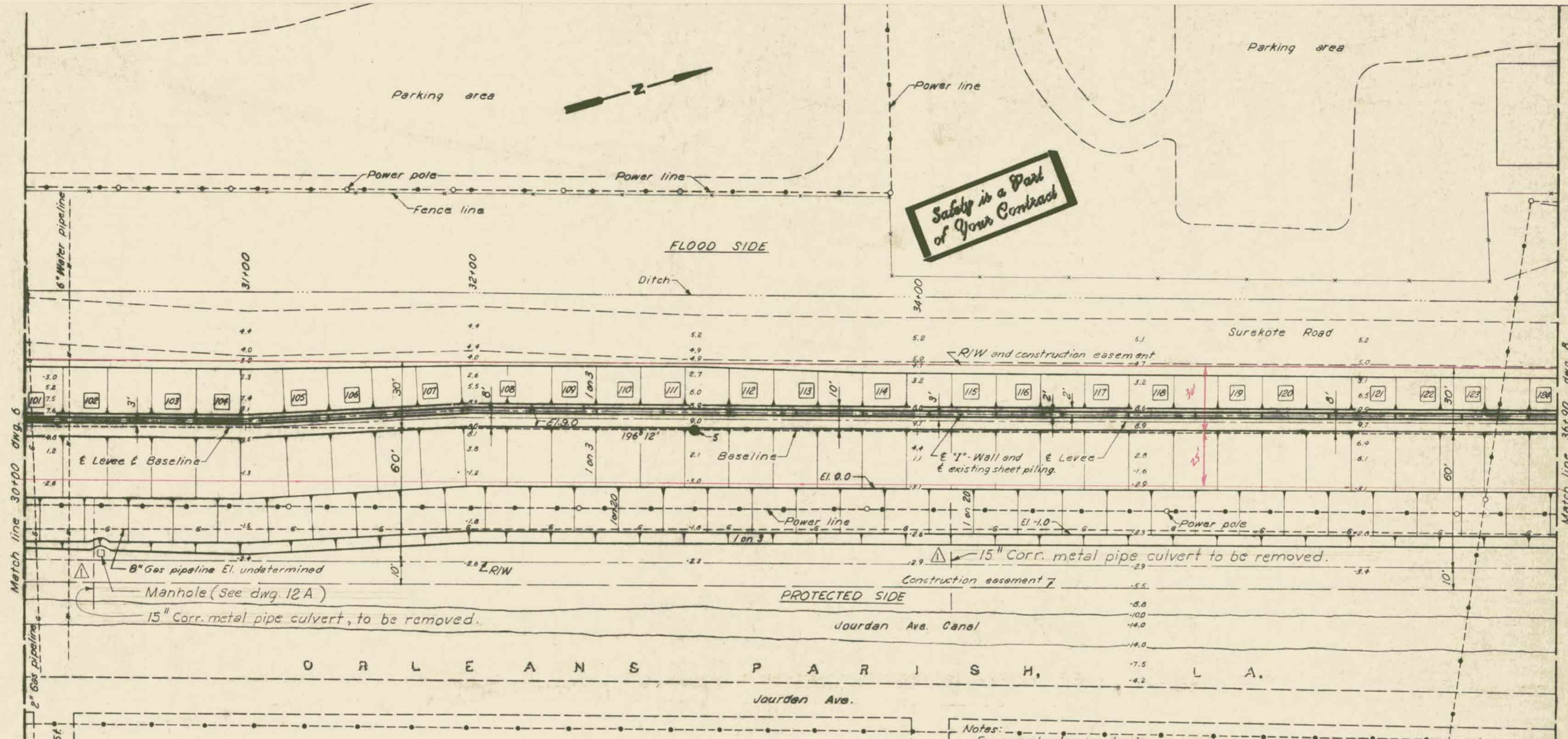


PROFILE
Scale: Hor. 1"=20'
Vert. 1"=5'

Notes:
 For general notes, see dwg. 1.
 For typical wall sections, see dwg. 11
 For levee design section, see dwg. 12
 ⚠ The power poles in the levee will not be removed. The levee embankment shall be placed around the poles.

REVISION	DATE	DESCRIPTION	BY
1	1-14-70	Revised notes.	
DESIGNED	DRAWN	CHECKED	CODE IDENT. NO.
W. D. J.	B. H. D.	W. D. J.	
DATE: NOV. 1969			SCALE: SHOWN
SPEC. NO. DACWS-70-B-0088			DWG. 6 OF 15

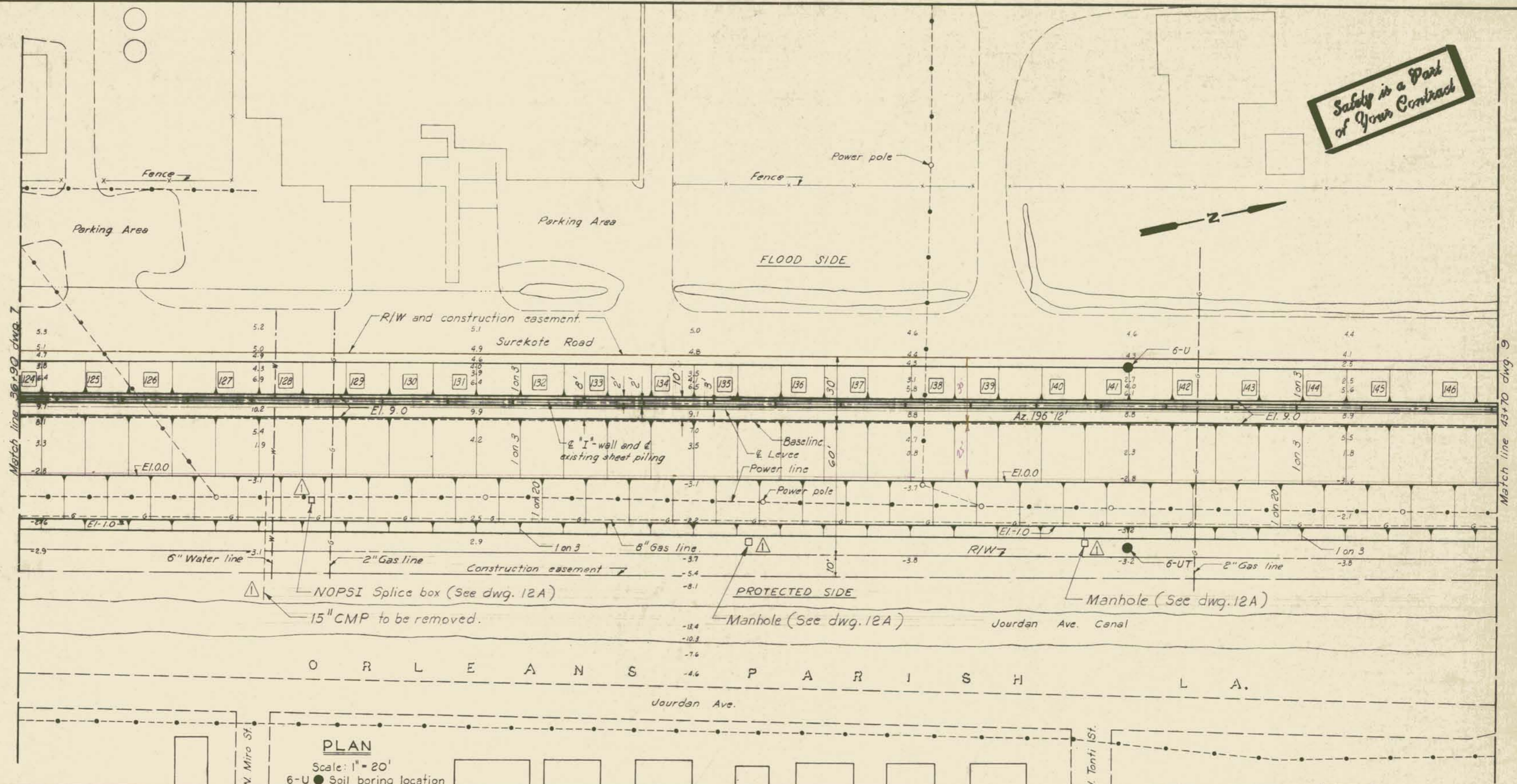
AS CONSTRUCTED
PLAN AND PROFILE
H-4-25157



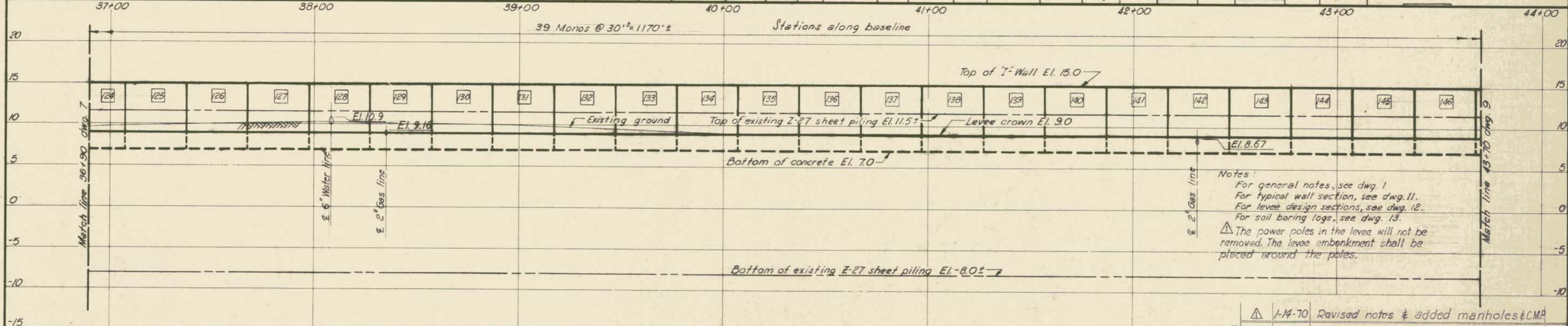
REVISION	DATE	DESCRIPTION	BY		
-15	1-14-70	Revised notes & added manhole & C.M.P.			
DESIGNED	DRAWN	CHECKED	CODE IDENT. NO.	SIZE	FILE NO.
W. D. J.	J. R. S.	W. D. J.			H-4-25157
DATE: NOV. 1969		SCALE: SHOWN		SPEC. NO. DACWS-70-B-0088	

AS CONSTRUCTED
PLAN AND PROFILE
NOV. 1969
SCALE: SHOWN SPEC. NO. DACWS-70-B-0088 DWG. 7 OF 15

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PLAN
Scale: 1" = 20'
6-U ● Soil boring location



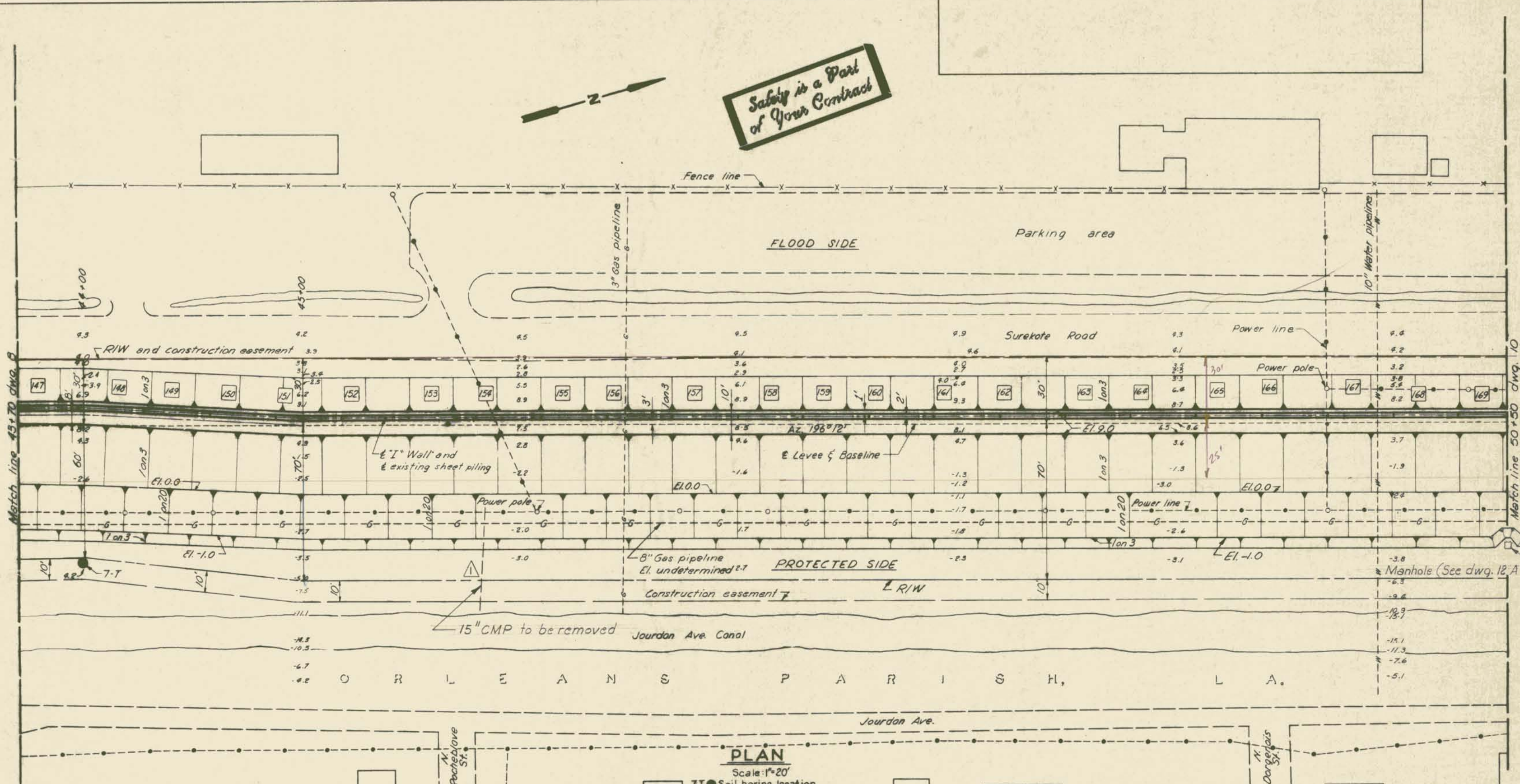
Notes:
For general notes, see dwg. 1
For typical wall section, see dwg. 11.
For levee design sections, see dwg. 12.
For soil boring logs, see dwg. 13.
▲ The power poles in the levee will not be removed. The levee embankment shall be placed around the poles.

PROFILE
Scale: Hor. 1" = 20'
Vert. 1" = 5'

**AS CONSTRUCTED
PLAN AND PROFILE**

1-14-70		Revised notes & added manholes & CMP	
DESIGNED:	DRAWN:	CHECKED:	DATE:
W.O.J.	B.H.D.	W.D.J.	NOV. 1969
FILE NO.	SIZE	CODE IDENT. NO.	SCALE SHOWN
H-4-25157			SPEC. NO. DACWS-70-B-0088
			DWG. NO. 8 OF 15

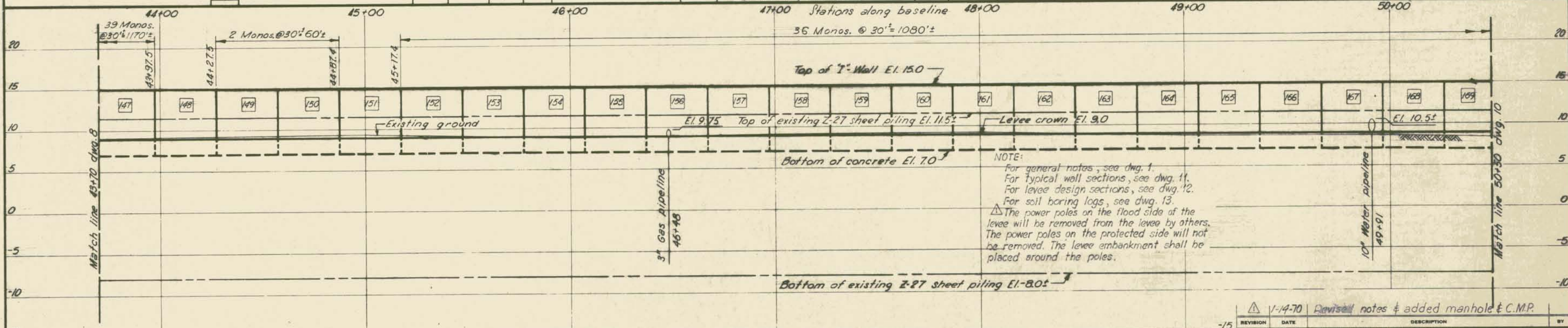
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PLAN

Scale: 1"=20'

7T Soil boring location



PROFILE

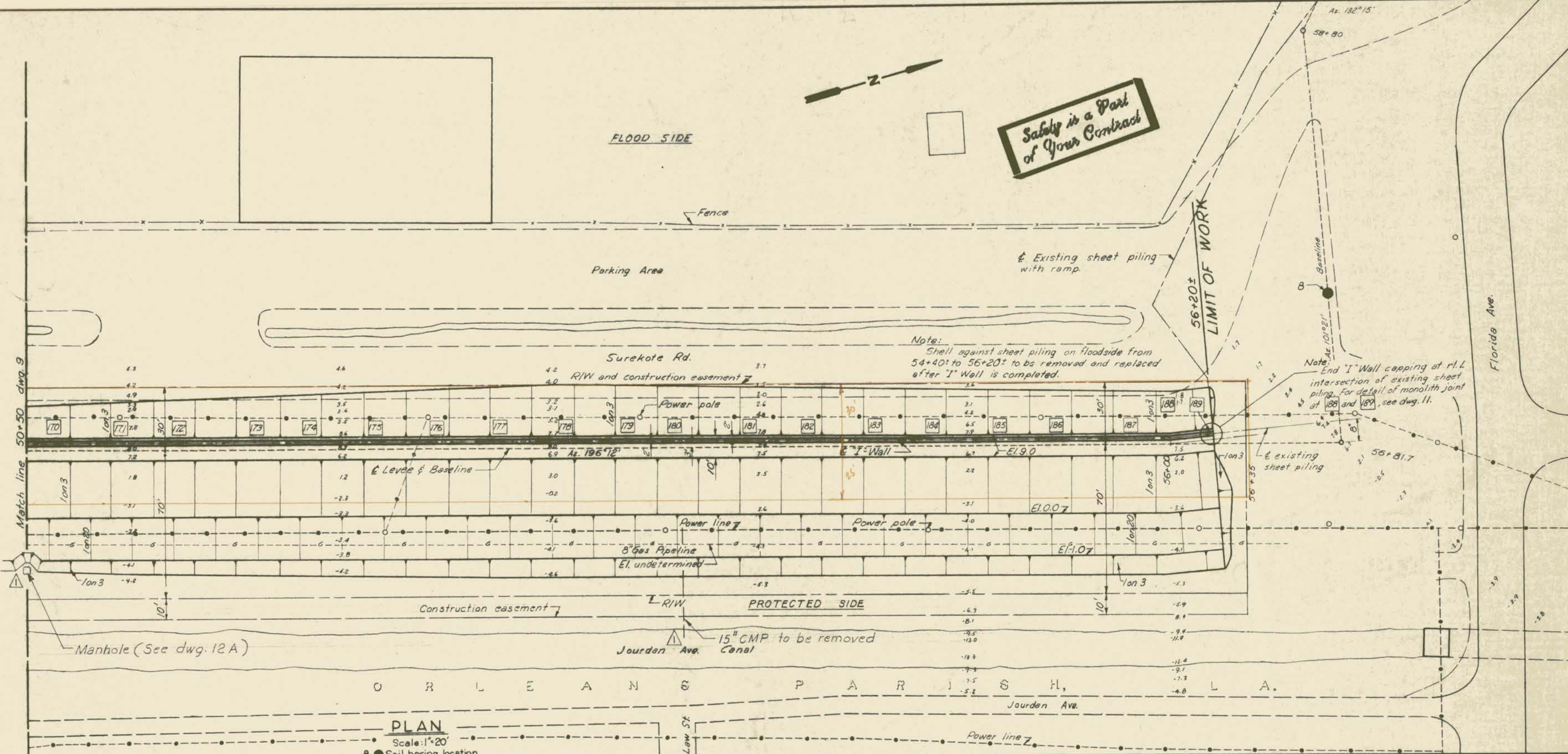
Scale: Hor. 1"=20'
Vert. 1"=5'

NOTE:
For general notes, see dwg. 1.
For typical wall sections, see dwg. 11.
For levee design sections, see dwg. 12.
For soil boring logs, see dwg. 13.
The power poles on the flood side of the levee will be removed from the levee by others. The power poles on the protected side will not be removed. The levee embankment shall be placed around the poles.

AS CONSTRUCTED
PLAN AND PROFILE

REVISION	DATE	DESCRIPTION	BY
1-14-70	Revised	notes & added manhole & C.M.P.	
DESIGNED	DRAWN	CHECKED	CODE IDENT. NO.
W.D.J.	B.H.D.	W.D.J.	
DATE: NOV. 1969			SCALE: SHOWN SPEC. NO. DACWB-70-B-0088 DWG. 9 OF 15

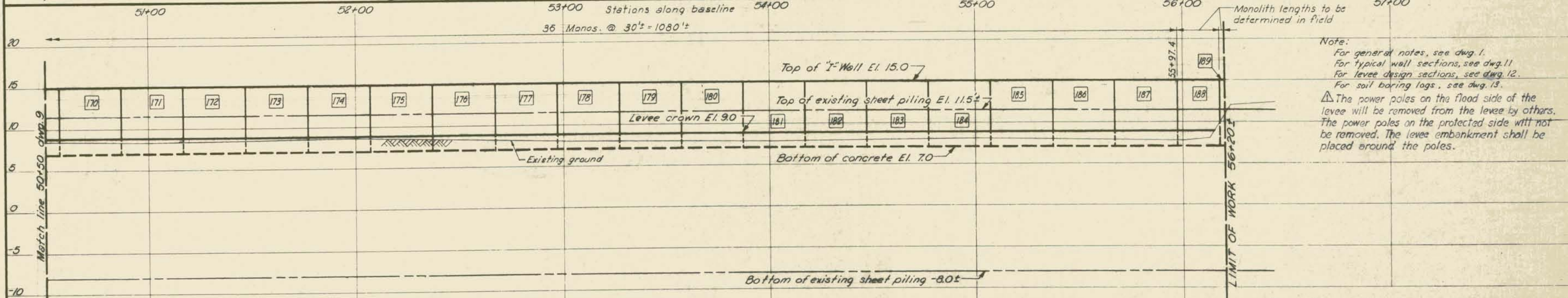
H-4-25157



Note:
Shell against sheet piling on floodside from 54+40 to 56+20 to be removed and replaced after 'I' Wall is completed.

Note:
End 'I' Wall capping at r.l. intersection of existing sheet piling. For detail of monolith joint at 188 and 189, see dwg. 11.

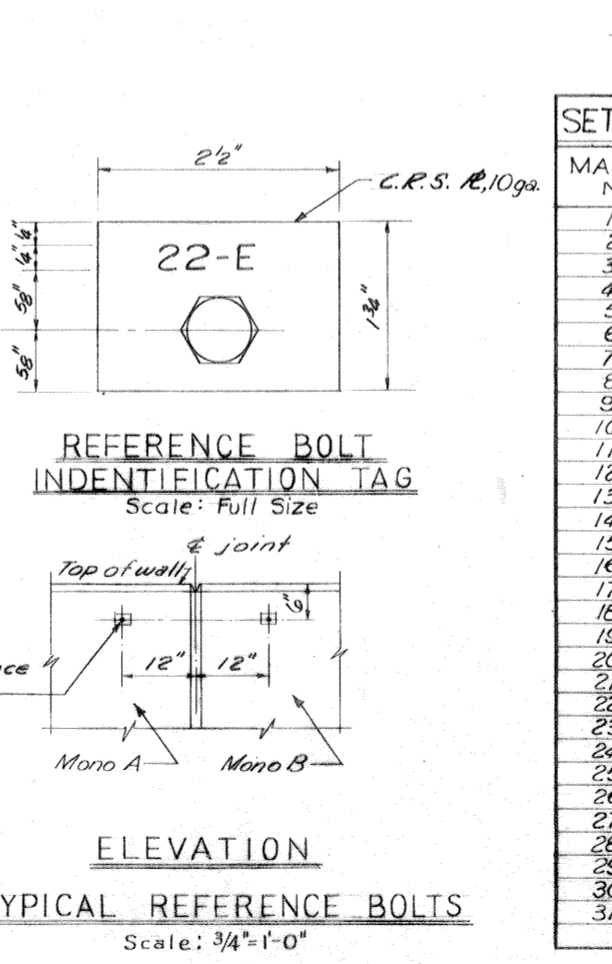
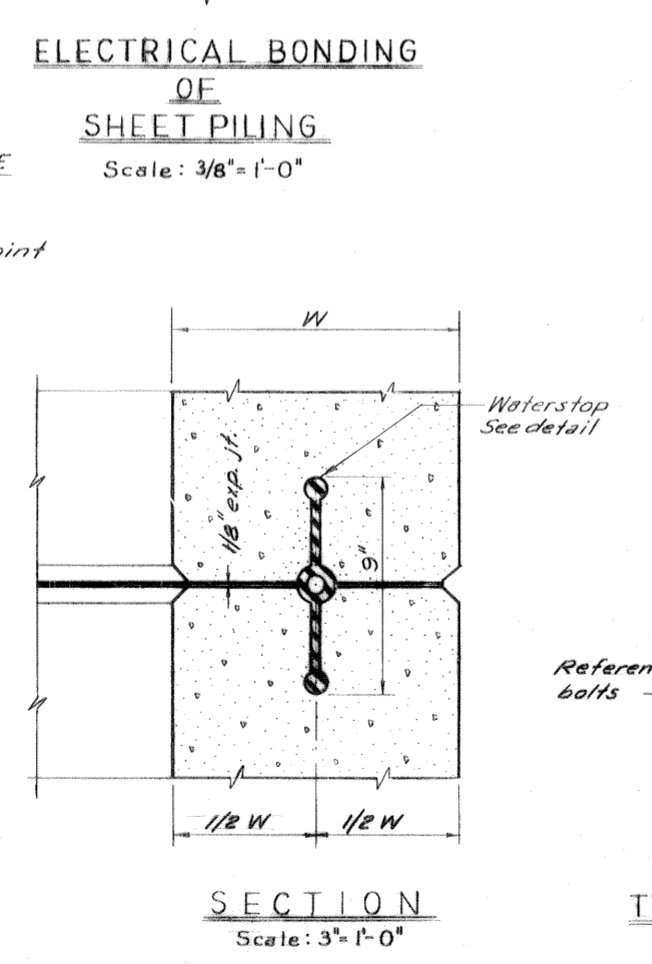
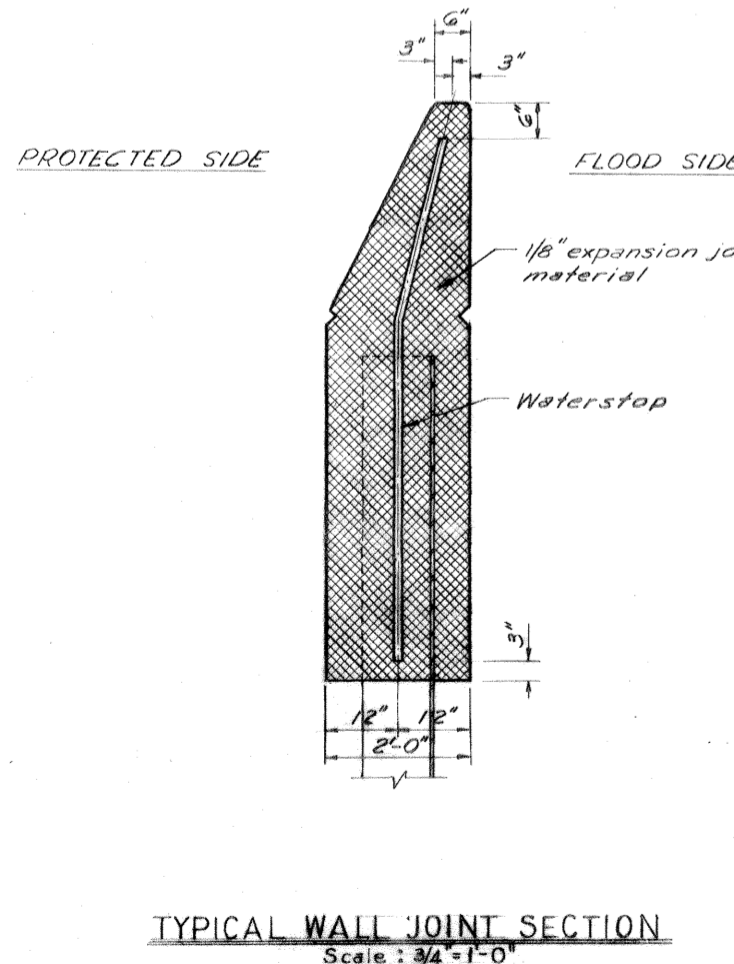
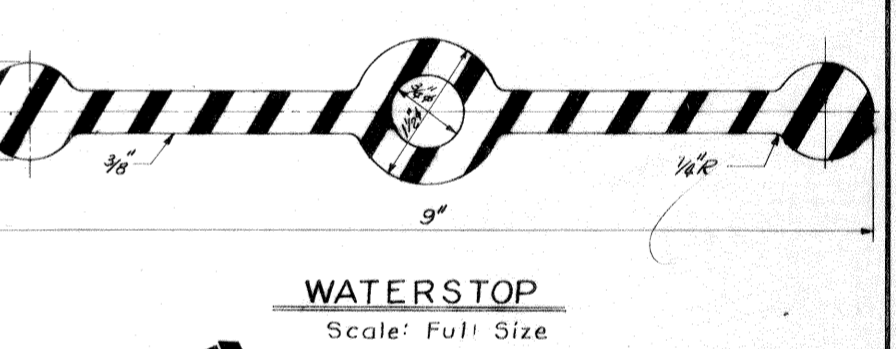
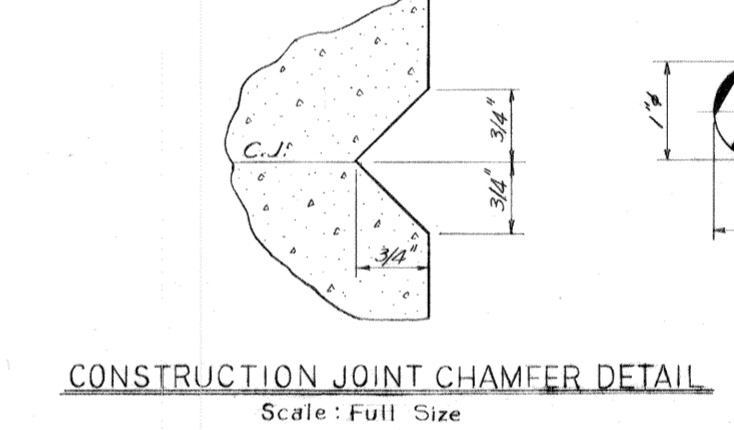
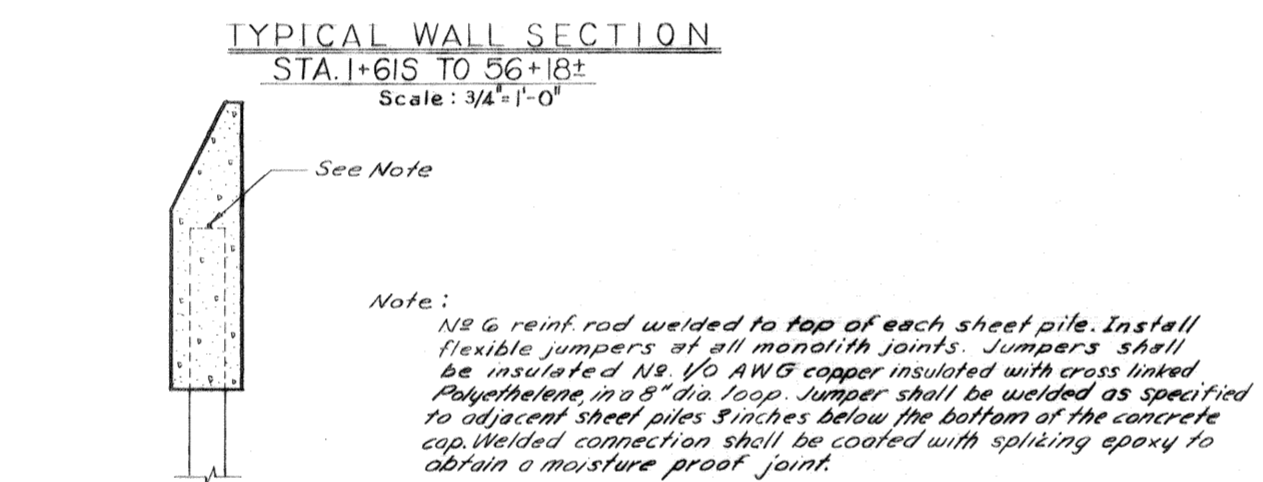
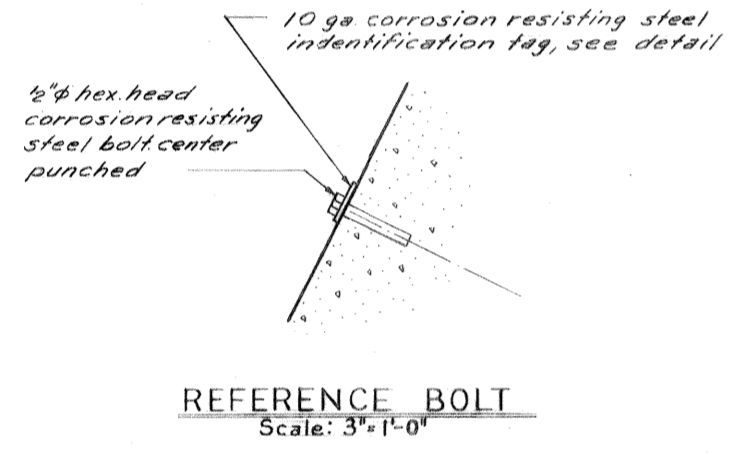
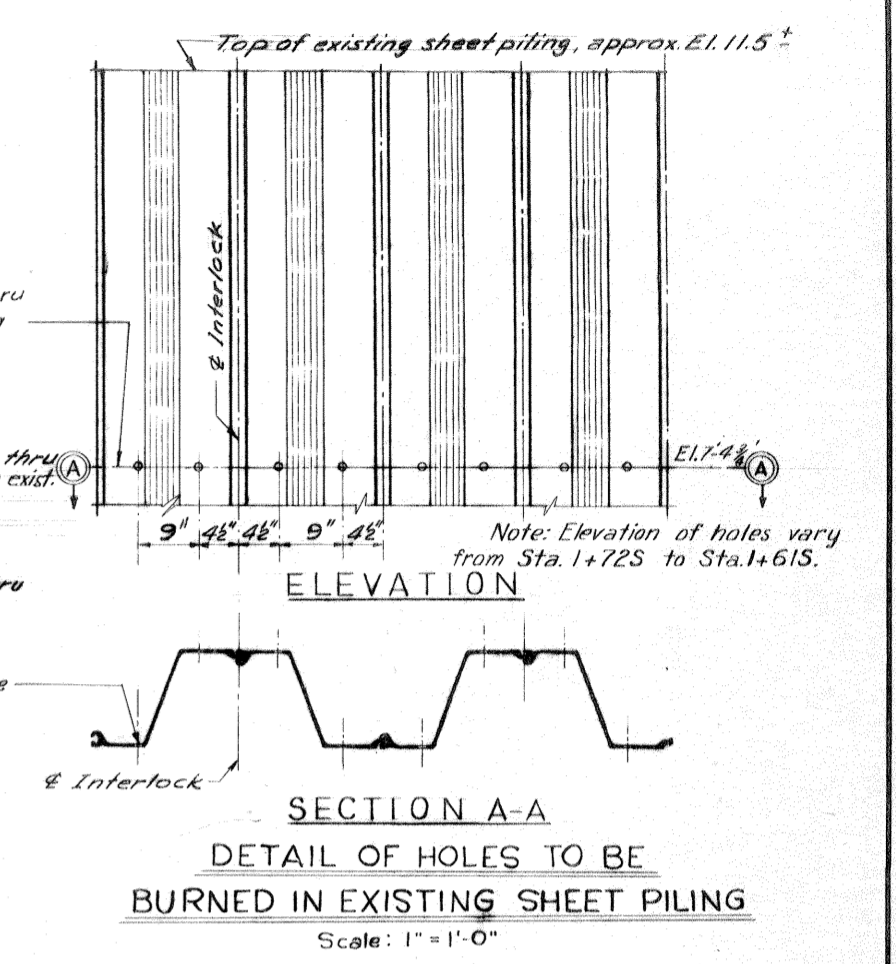
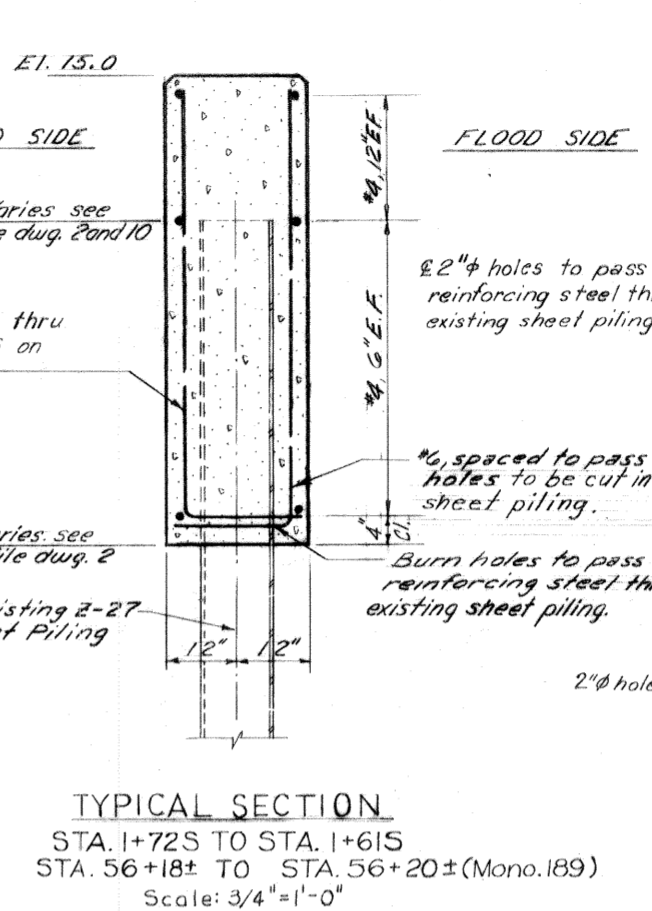
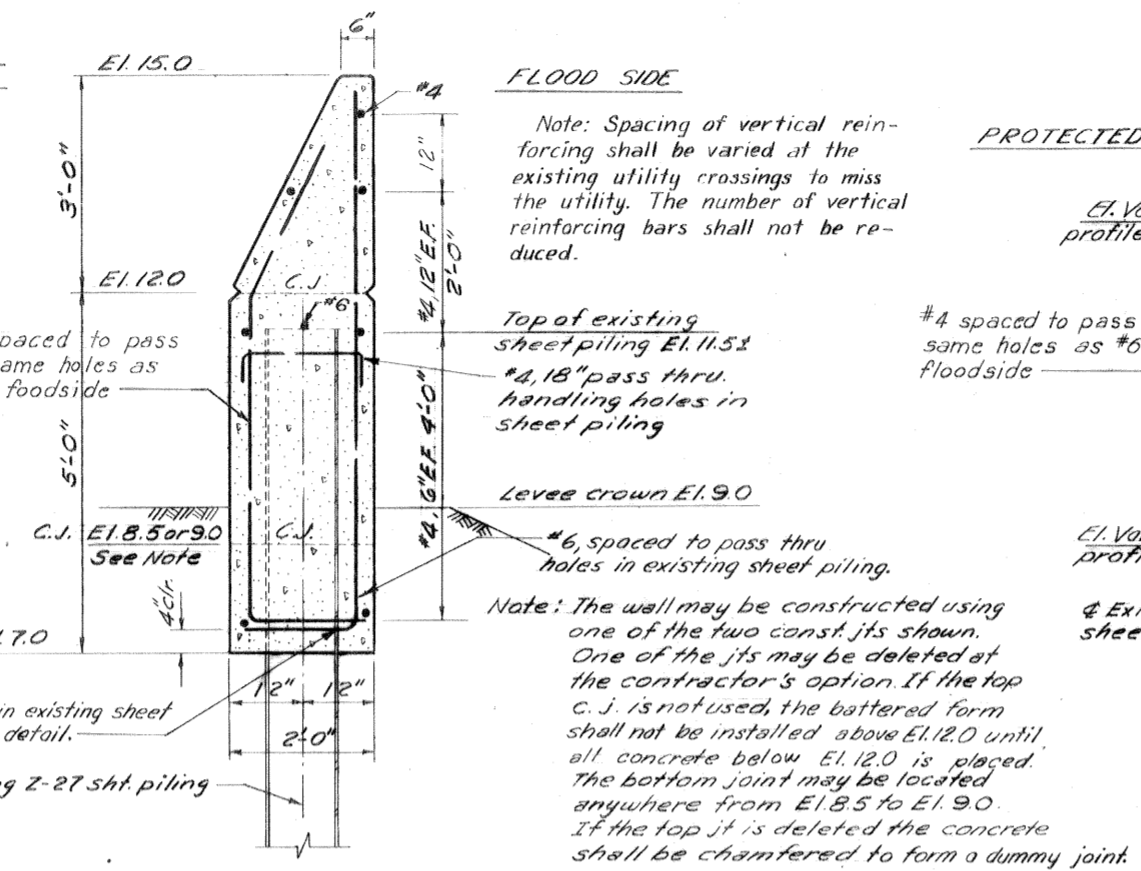
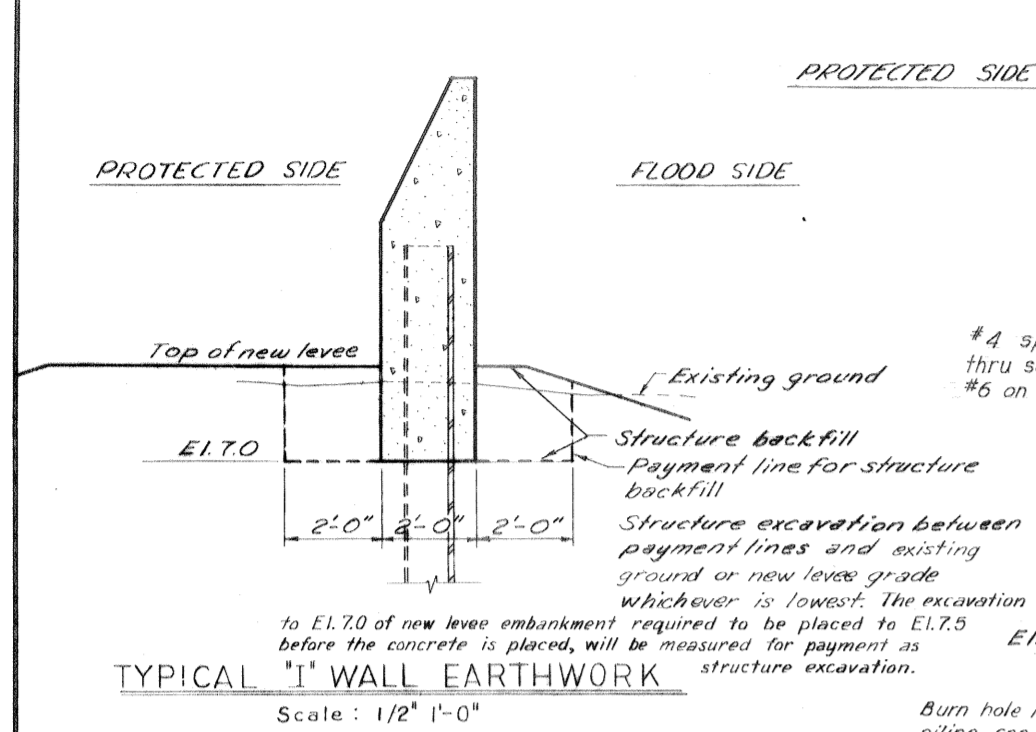
PLAN
Scale: 1" = 20'



Note:
For general notes, see dwg. 1.
For typical wall sections, see dwg. 11.
For levee design sections, see dwg. 12.
For soil boring logs, see dwg. 13.
The power poles on the flood side of the levee will be removed from the levee by others. The power poles on the protected side will not be removed. The levee embankment shall be placed around the poles.

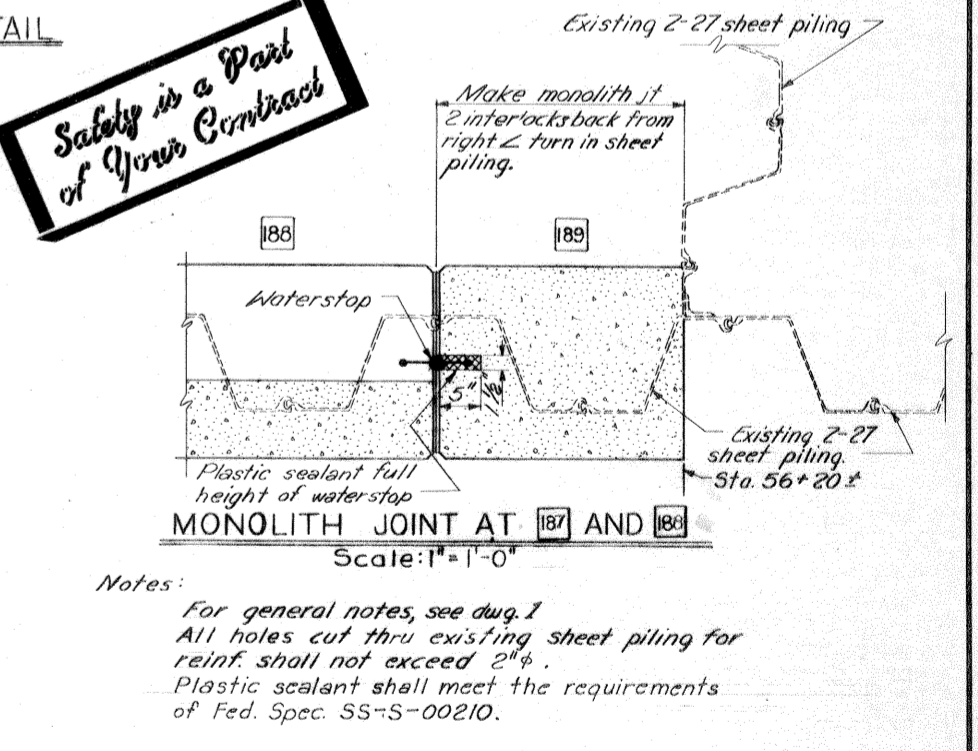
PROFILE
Scale: Hor. 1" = 20'
Vert. 1" = 5'

REVISION	DATE	CHECKED	CODE IDENT. NO.	SIZE	FILE NO.	BY
1-14-70						
Revised notes & added manhole, CMP						
AS CONSTRUCTED						
PLAN AND PROFILE						
DESIGNED	W.D.J.	DRAWN	B.H.D.	CHECKED	W.D.J.	
DATE	NOV. 1969			SCALE	AS SHOWN	SPEC. NO. DACWB-TO-B-0088
						DWG. NO. 10 OF 15



SETTLEMENT REFERENCE BOLT SCHEDULE

MARKER NO.	MONOLITH NO.	MARKER NO.	MONOLITH NO.
1-E	A 1	32-E	84
2-E	3	33-E	85
3-E	4	34-E	91
4-E	6	35-E	92
5-E	7	36-E	98
6-E	11	37-E	99
7-E	12	38-E	105
8-E	18	39-E	106
9-E	19	40-E	112
10-E	25	41-E	113
11-E	26	42-E	119
12-E	27	43-E	120
13-E	28	44-E	126
14-E	33	45-E	127
15-E	34	46-E	133
16-E	37	47-E	134
17-E	38	48-E	140
18-E	40	49-E	141
19-E	41	50-E	147
20-E	46	51-E	148
21-E	47	52-E	154
22-E	51	53-E	155
23-E	52	54-E	161
24-E	56	55-E	162
25-E	57	56-E	168
26-E	63	57-E	169
27-E	64	58-E	175
28-E	70	59-E	176
29-E	71	60-E	182
30-E	77	61-E	183
31-E	78	62-E	188



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Notes:
For general notes, see dwg. 1
All holes cut thru existing sheet piling for reinf. shall not exceed 2".
Plastic sealant shall meet the requirements of Fed. Spec. SS-S-00210.

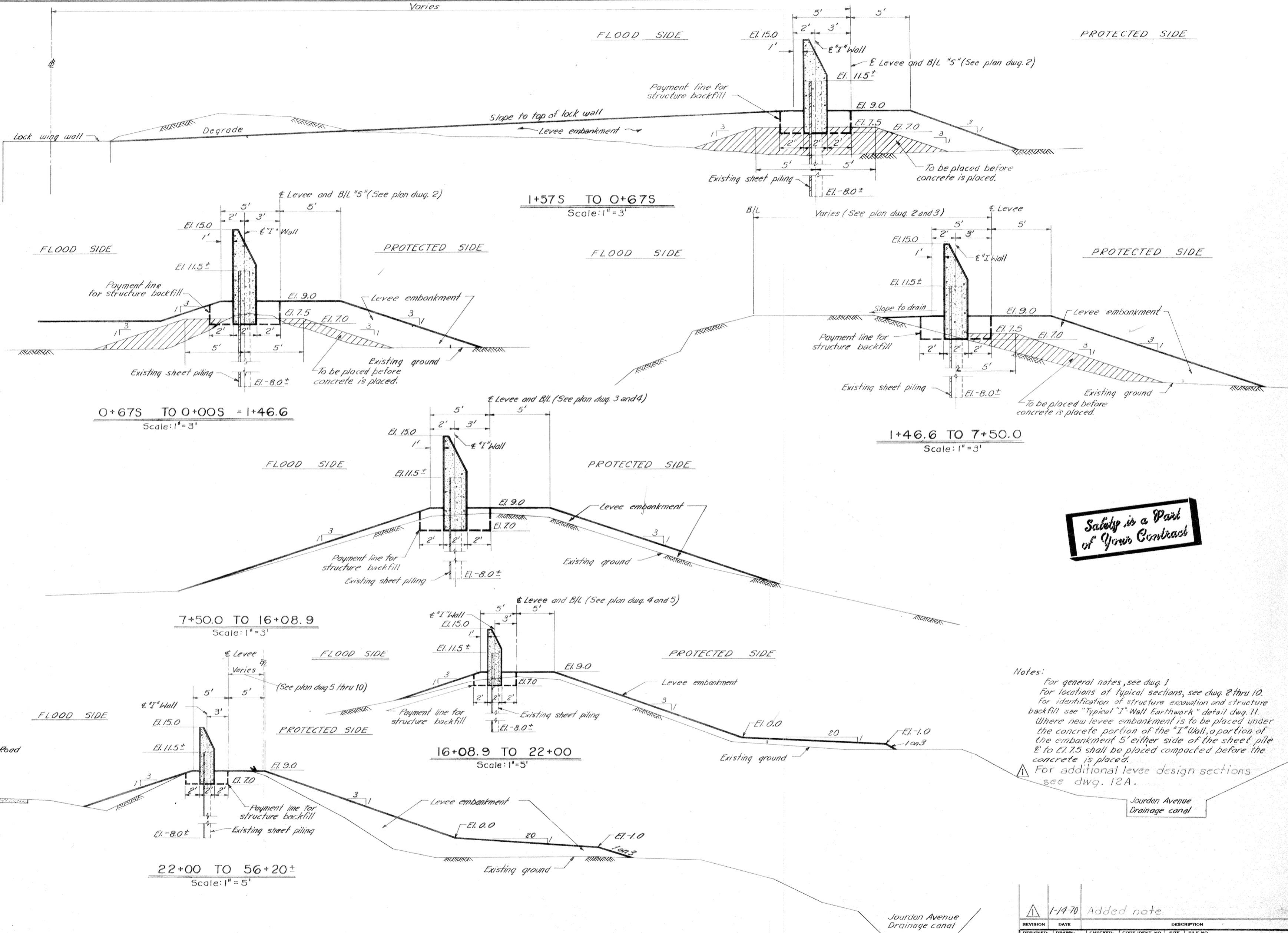
AS CONSTRUCTED

TYPICAL WALL SECTIONS REFERENCE BOLTS AND ELECTRICAL BONDING

REVISION	DATE	DESCRIPTION	BY
DESIGNED: W.D.J.	DRAWN: T.S.T.	CHECKED: W.D.J.	FILE NO. H-4-25157

DATE: NOV. 1969 SCALE: SHOWN SPEC. NO. DACW27-70-B-0005 DWG. 11 OF 15

IHNC, EAST LEVEE, IHNC LOCK TO FLA. AVE. - FLOODWALL



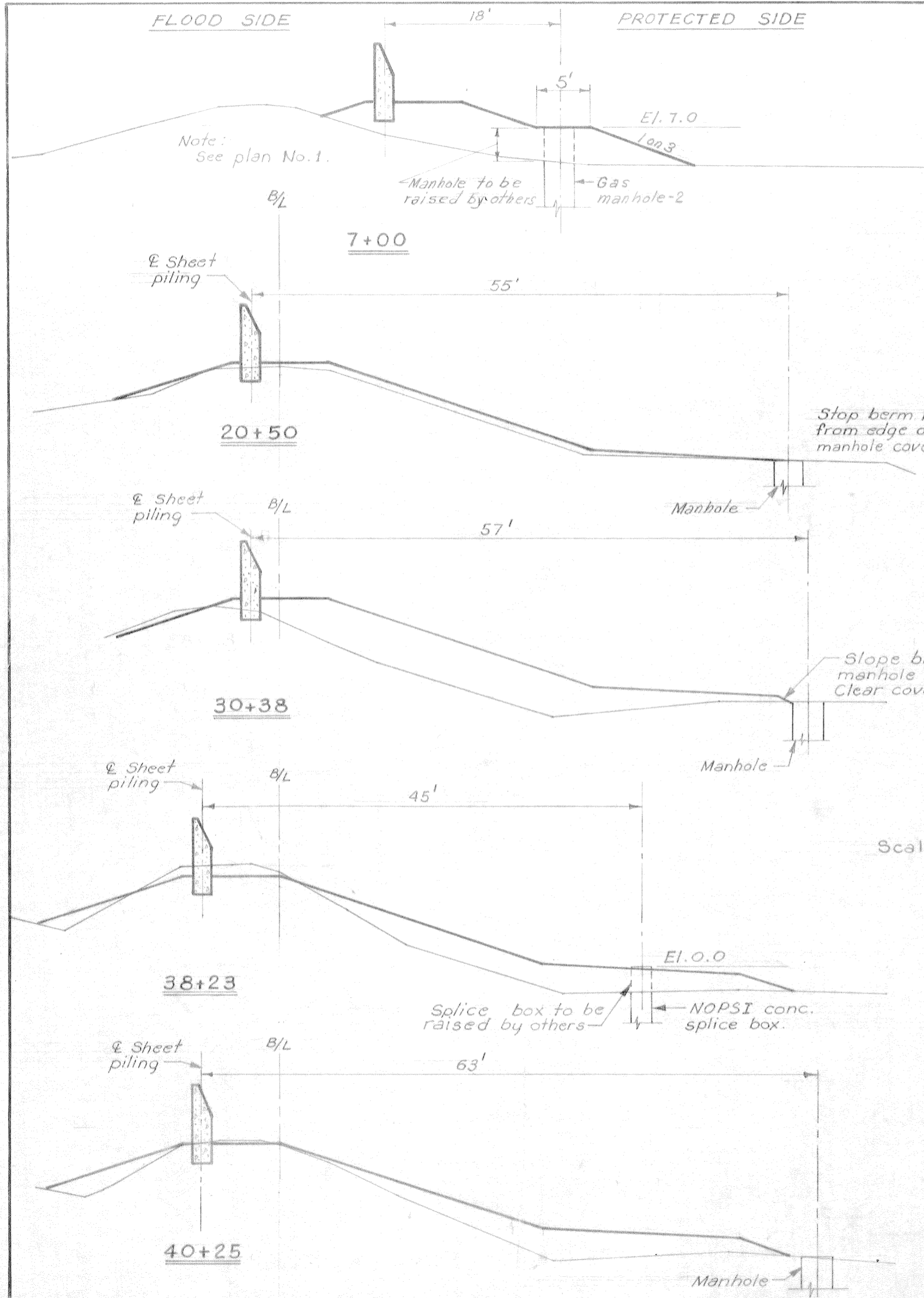
Safety is a Part of Your Contract

Notes:
 For general notes, see dwg. 1
 For locations of typical sections, see dwg. 2 thru 10.
 For identification of structure excavation and structure backfill see "Typical 'I'-Wall Earthwork" detail dwg. 11.
 Where new levee embankment is to be placed under the concrete portion of the "I" Wall, a portion of the embankment 5' either side of the sheet pile El. to El. 7.5 shall be placed compacted before the concrete is placed.
 For additional levee design sections see dwg. 12A.

REVISION	DATE	DESCRIPTION	BY
1-14-70	Added note		J.W.P.
DESIGNED: W.D.J.	DRAWN: J.E.B.	CHECKED: W.D.J.	CODE IDENT. NO. SIZE FILE NO.
			H-4-25157
DATE: NOV. 1969	SCALE: SHOWN	SPEC. NO. DACW28-70-B-0088	DWG. 12 OF 15

FLOOD SIDE

PROTECTED SIDE



Note: See plan No. 1.

Manhole to be raised by others

Gas manhole-2

Stop berm 1'-0" from edge of manhole cover.

Slope back from manhole cover at 1 on 2. Clear cover by 1'-0".

Splice box to be raised by others

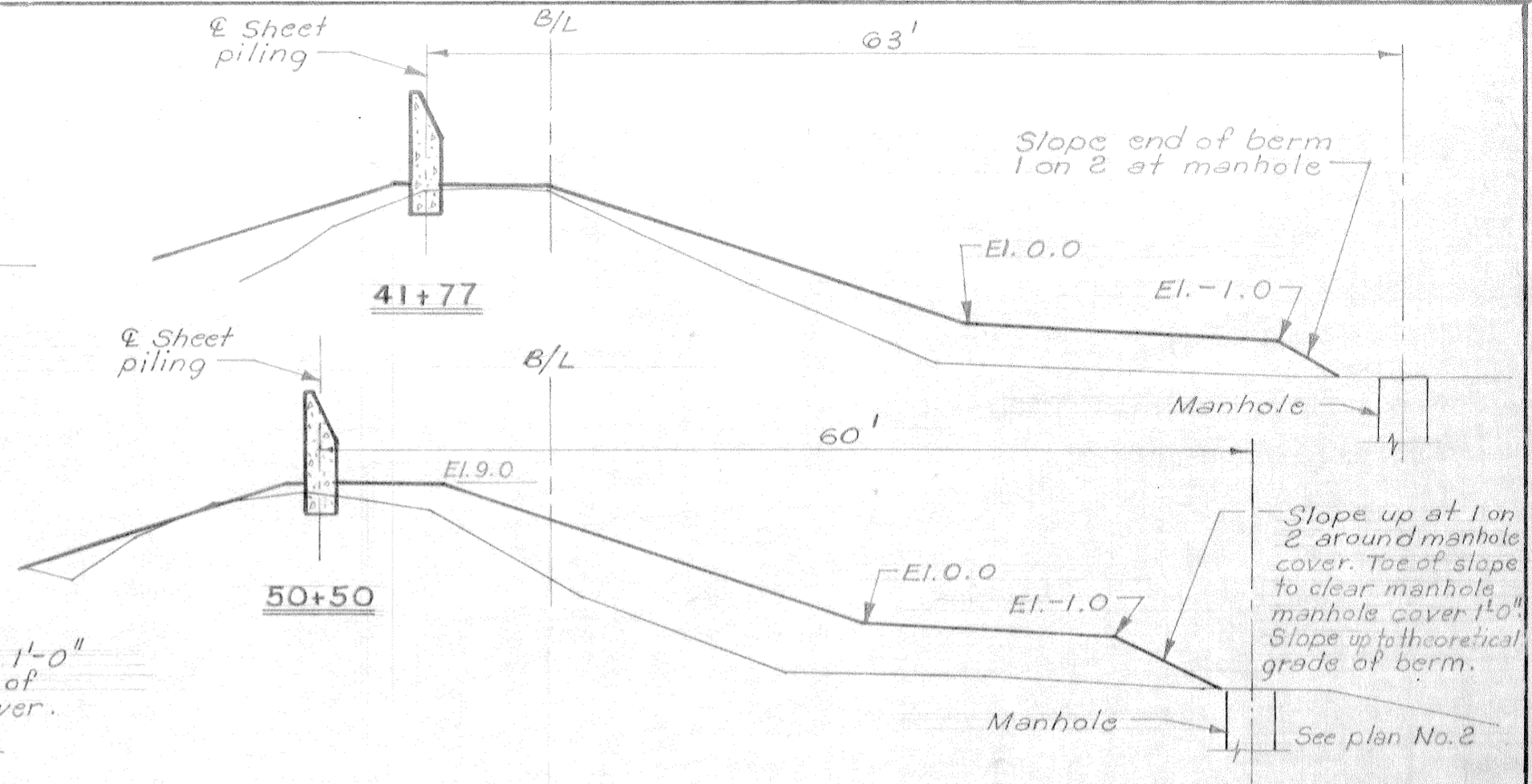
NOPSI conc. splice box.

Sheet piling

B/L

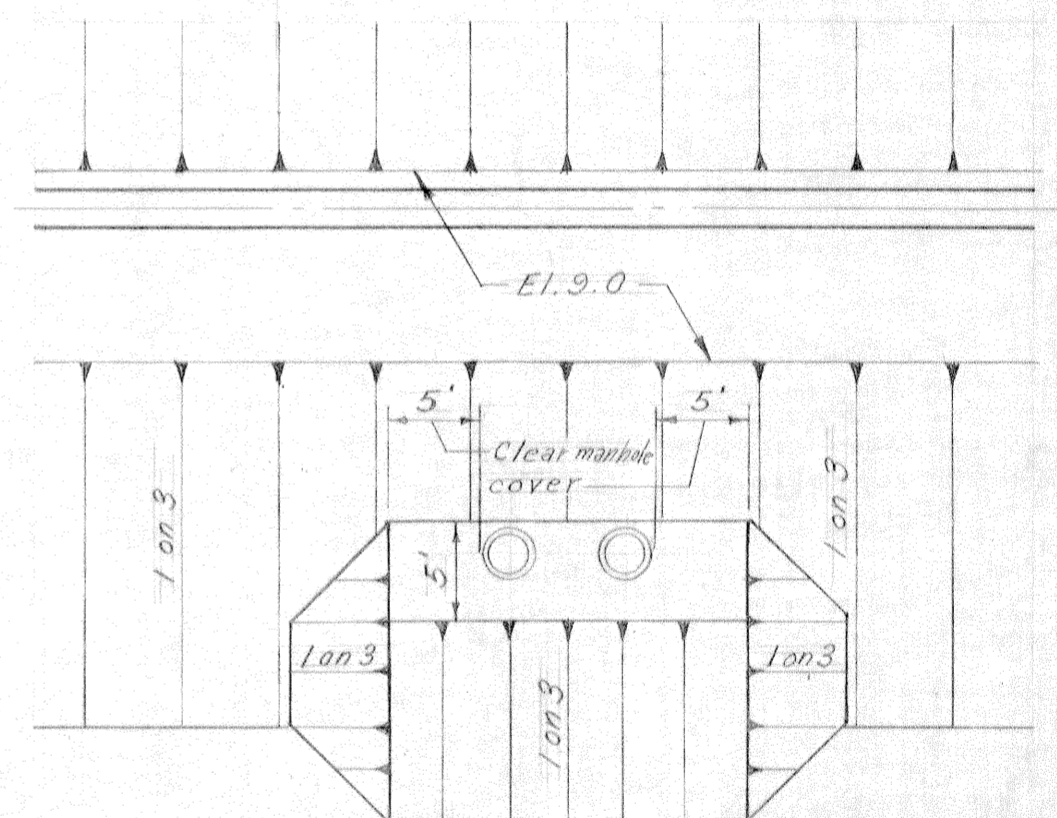
63'

Slope end of berm 1 on 2 at manhole



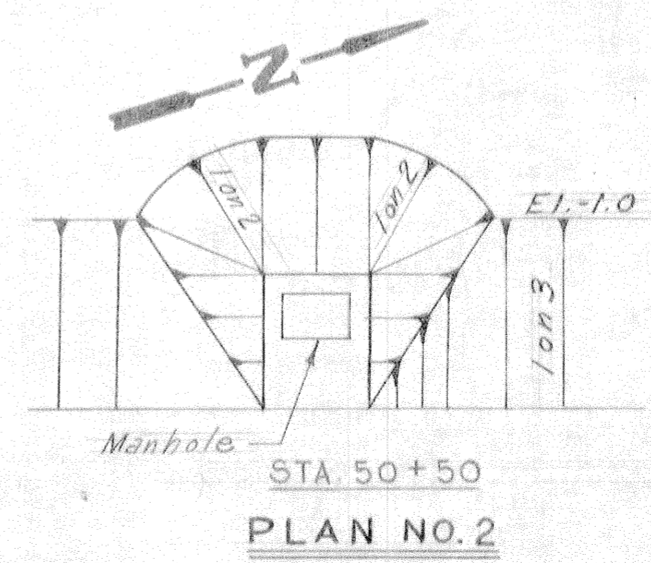
Slope up at 1 on 2 around manhole cover. Toe of slope to clear manhole manhole cover 1'-0". Slope up to theoretical grade of berm.

See plan No. 2



STA. 7+00
PLAN NO. 1

Scale: 1" = 10'



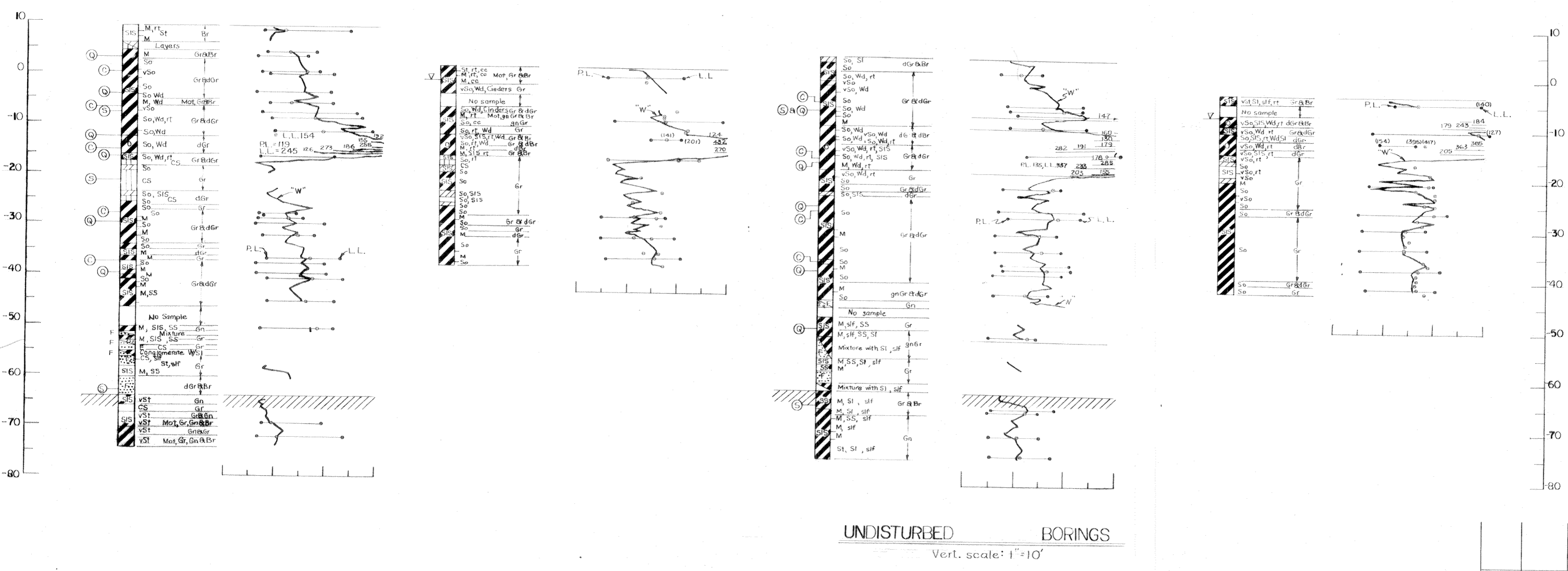
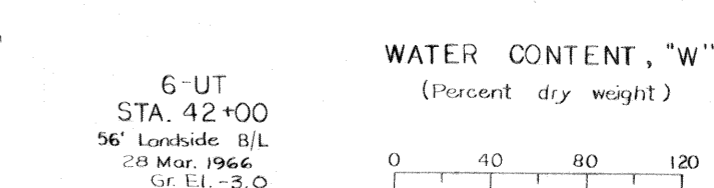
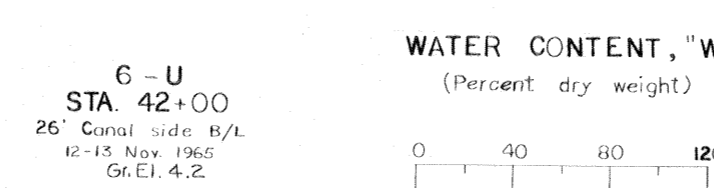
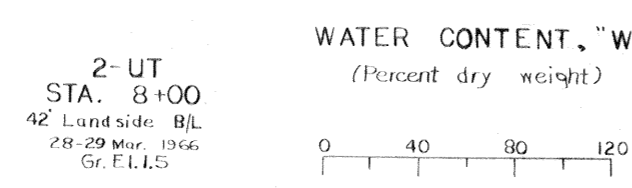
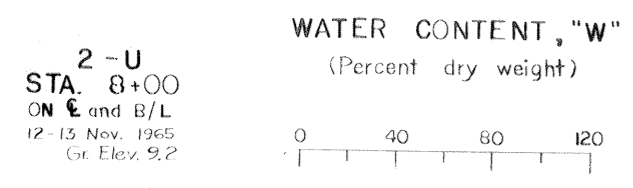
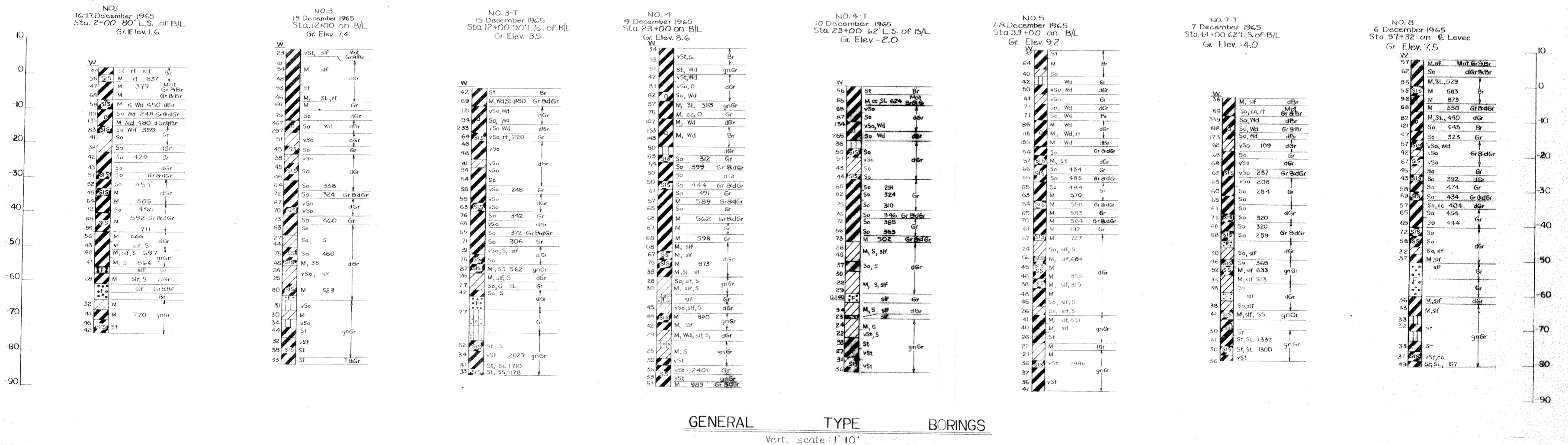
STA. 50+50
PLAN NO. 2

THIS PLAN ACCORDING TO THE CONTRACT DOCUMENTS IS TO BE USED FOR CONSTRUCTION ONLY.

1-14-70 Added Jwg. 12 A.

DESIGNED	DATE	CHECKED	DESCRIPTION	BY
W.D.J.	G.R.M.	W.D.J.	H-4-25157	
DATE:		SCALE: SHOWN SPEC. NO. DACW-70-B-3088		

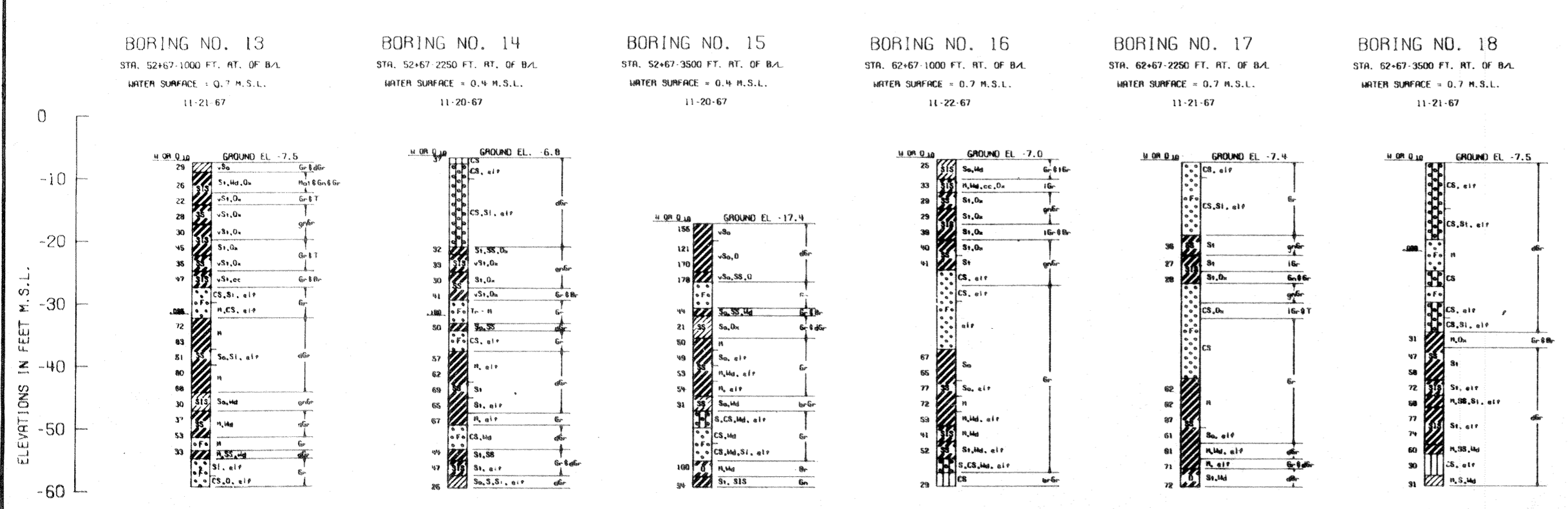
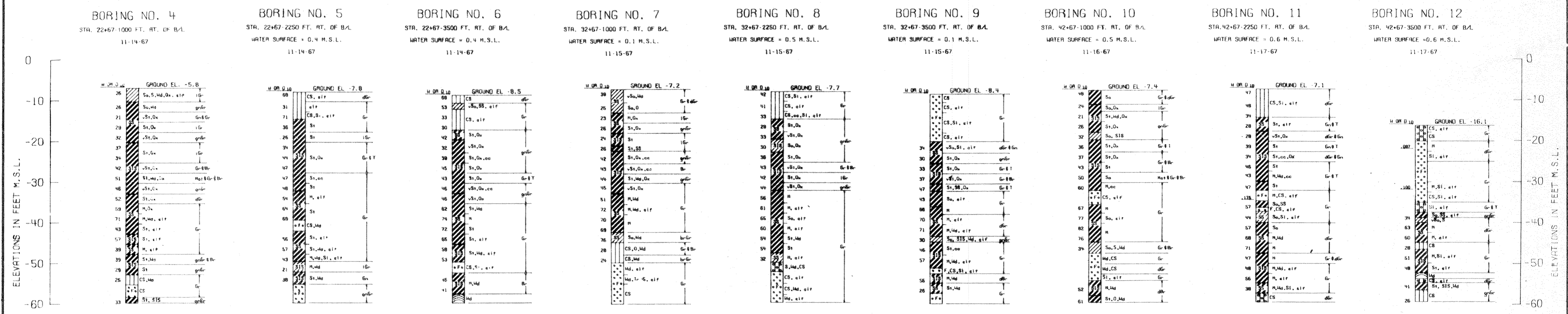
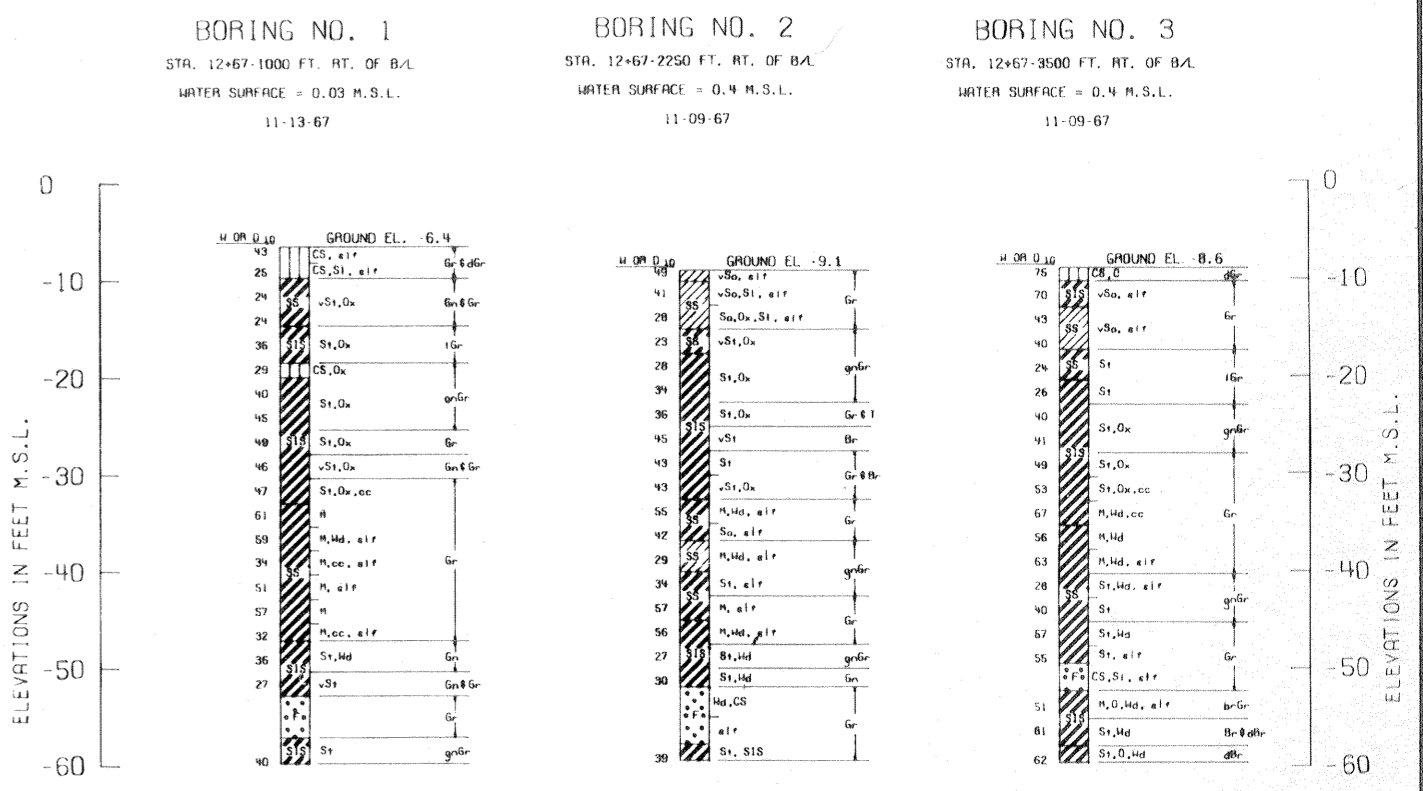
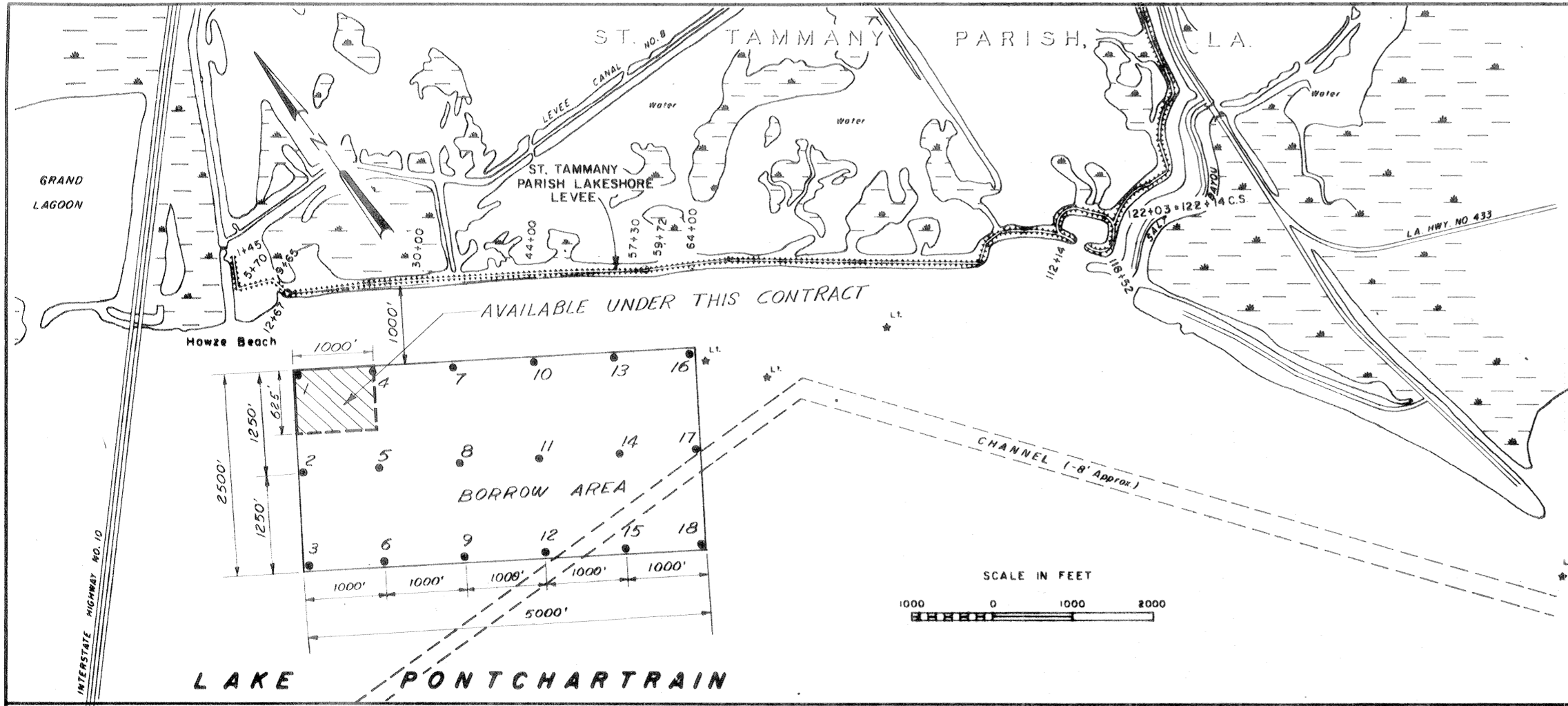
AS CONSTRUCTED TYPICAL LEVEL DESIGN SECTIONS



Safety is a Part of Your Contract

Note: For soil boring legend, see dug. File No. H-2-21800

REVISION	DATE	DESCRIPTION	BY
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO.
W. D. J.	W. C. C.	W. D. J.	SIZE
FILE NO.			H-4-25157
DATE:	NOV. 1965	SCALE: SHOWN	SPEC. NO. DACW26-70-B-0088
AS CONSTRUCTED		SOIL BORINGS	
DWG. 13		OF 15	



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Note: For soil boring legend, see dwg. File No. H-2-21800.

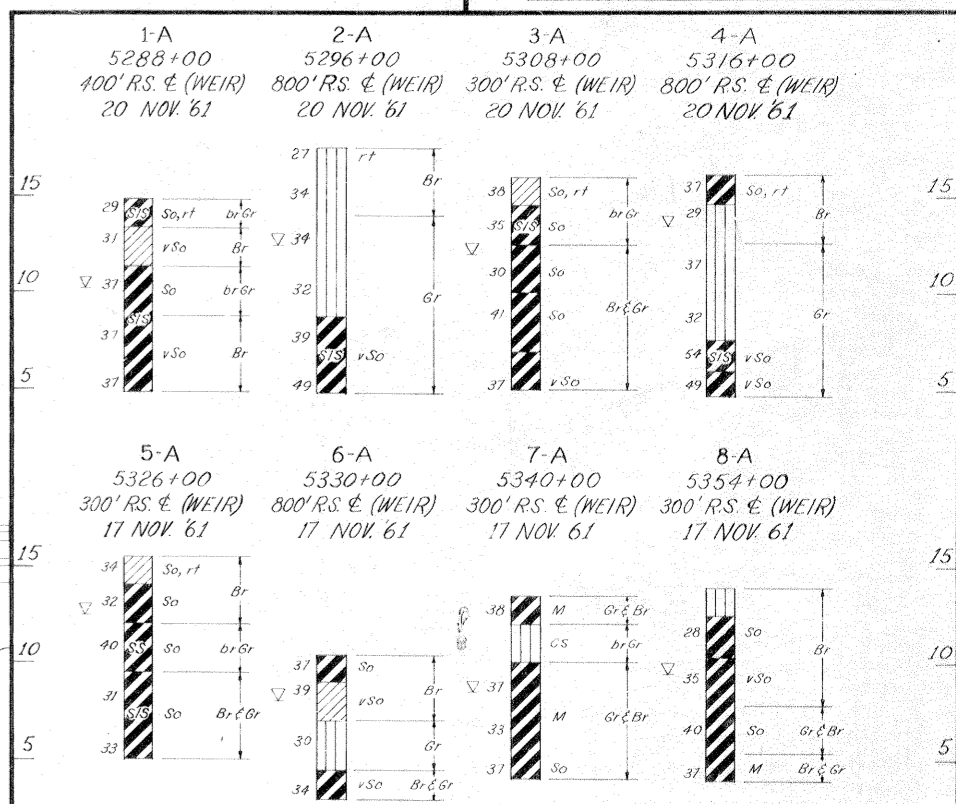
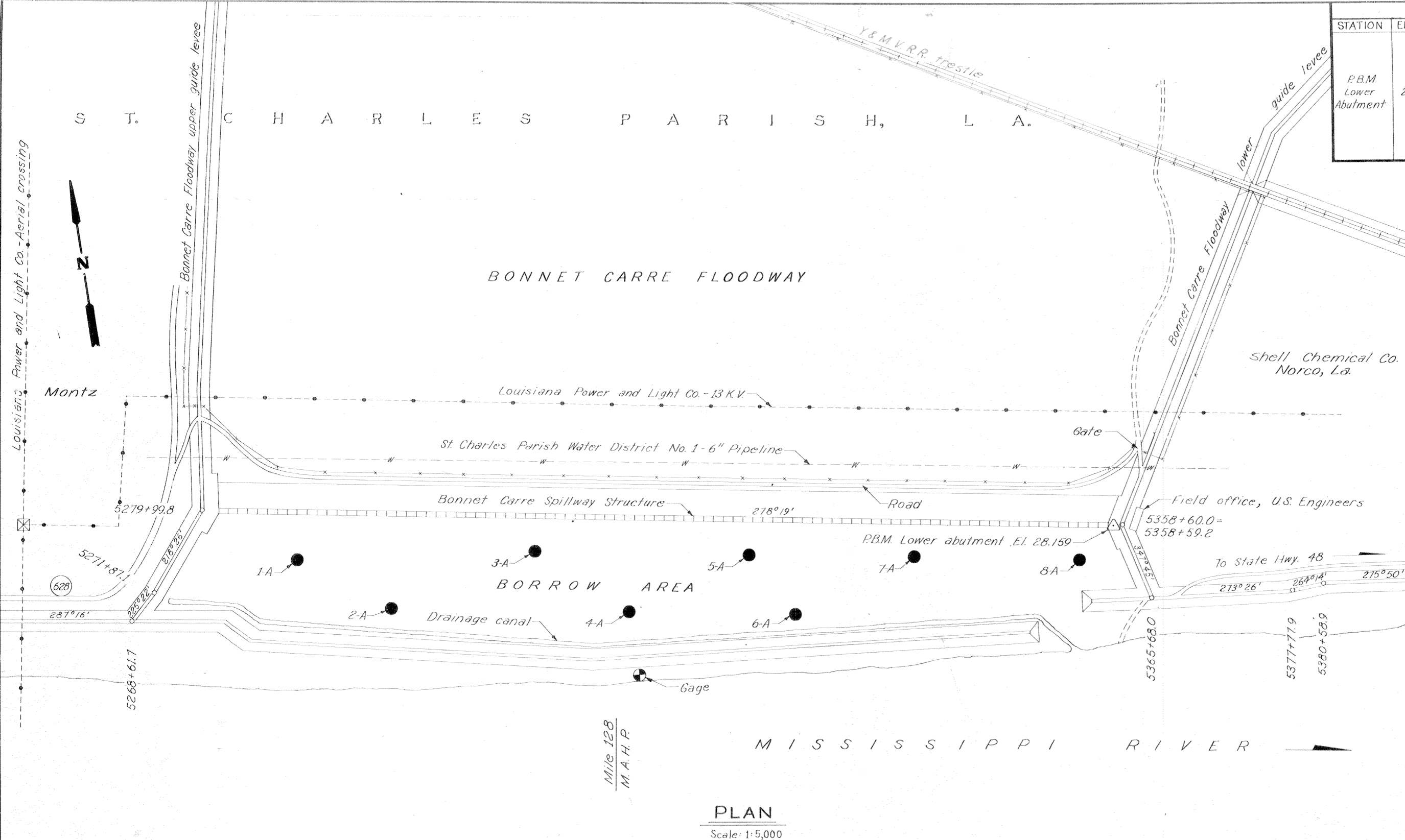
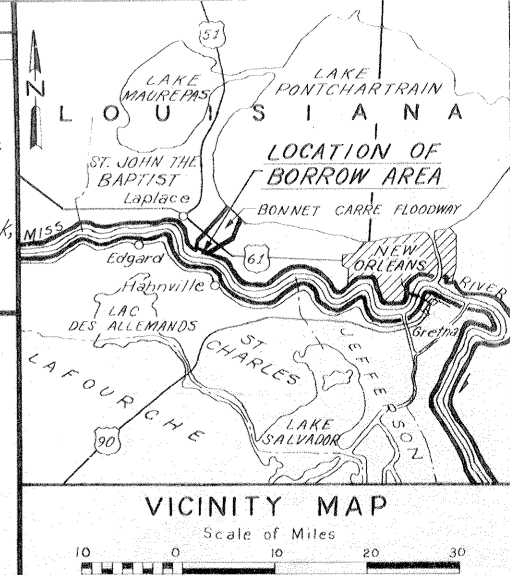
ELEVATIONS IN FEET M.S.L.

AS CONSTRUCTED

BORROW AREA LOCATION - HOWZE BEACH

REVISION	DATE	DESCRIPTION	BY
DESIGNED			
DRAWN			
CHECKED			
CODE IDENT NO			
SIZE			
FILE NO			
H-4-25157			
DATE	NOV. 1969	SCALE SHOWN	SPEC. NO. DACW870-B-0088
		Draw.	14 of 15

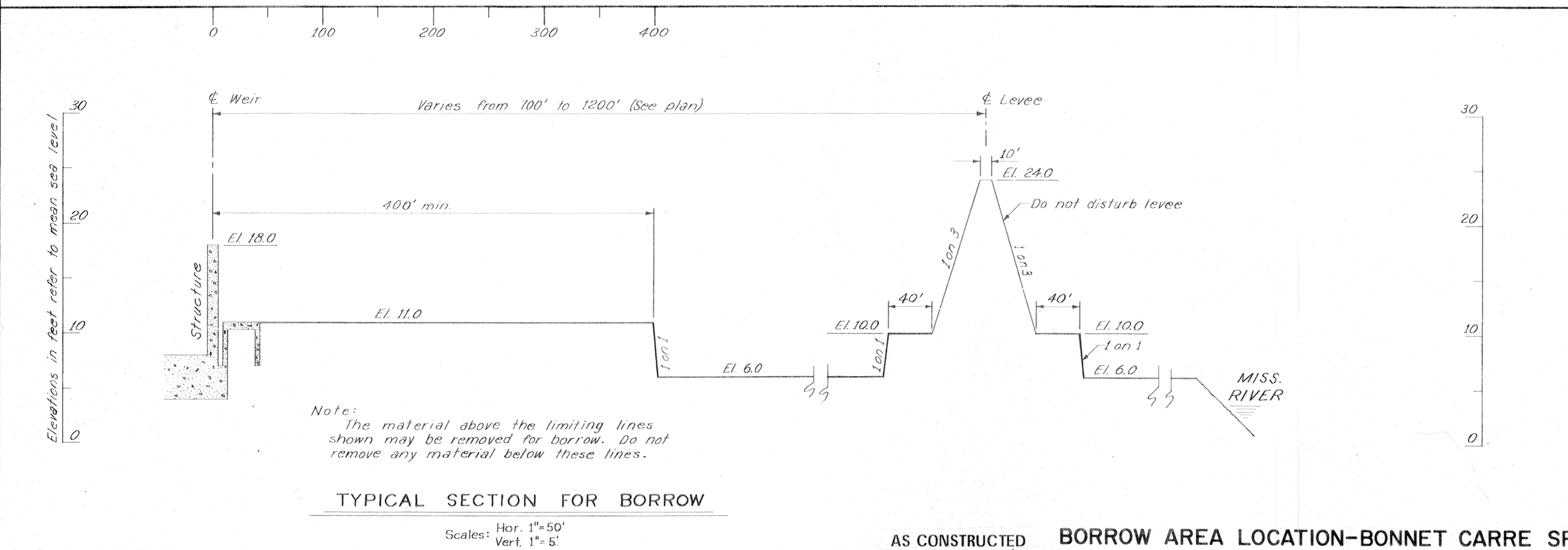
BENCH MARK		
STATION	EL. M.S.L.	LOCATION AND DESCRIPTION
PBM Lower Abutment	28.159	Set on the top and near the center of the east concrete abutment of the spillway weir for the Bonnet Carre Spillway, between two tracks, 5.6 feet north of the north rail of the south track, 6.3 feet south of the south rail of the north track.



Notes:
 Elevations are expressed in feet and refer to mean sea level.
 Soil samples were taken with a 4" diameter post hole auger.
 For Soil Boring Legend see dwg. File No. H-2-21800.

BORINGS
 Vert. Scale: 1"=5'

PLAN
 Scale: 1"=5,000



TYPICAL SECTION FOR BORROW

Scales: Hor. 1"=50'
 Vert. 1"=5'

AS CONSTRUCTED **BORROW AREA LOCATION-BONNET CARRE SPILLWAY**

Safety is a Part of Your Contract

REVISION	DATE	CHECKED	DESCRIPTION	BY	
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO.	SIZE	FILE NO.
K. J. C.	J. S.	W. H. S.			H-4-25157
DATE:	NOV. 1969	SCALE:	SHOWN	SPEC. NO. DACW29-70-B-0088	DWG. 15 OF 15