4"×10" WALES
4×10 WALE
4×10 SHEET PILING
2×10 SHEET PILING
6×12 WALES
3×10 SHEET PILING
4×12 WALES
2'6"
4'0"
5'0"
6'0"
ELEV: 19.6
ELEV: 20.1
ELEV: 17.3
ELEV: 18.4
4×10 WALE
6×10 WALE
6×12 WALE
4×12 WALE
4×10 SHEET PILING
14" PILING
12" PILING
14" TIE BACK
M.L.W.
BOARDWALK AND BULKHEAD OUT
WASHOUT
ELEV: 30.1
ELEV: 31.7
ELEV: 16.7
ELEV: 18.1
ELEV: 14.5
BULKHEAD IN POOR CONDITION
CRIBBING IN POOR CONDITION
SLOPE OF GROYNE: 7%
ELEV: 28.4
BOARDWALK AND BULKHEAD IN POOR CONDITION
ELEV: 15.7
ELEV: 16.4
12" PILES 6" C. TO C
14" OUTLET PIPE
8" INTAKE PIPES
2×8 CROSS BEAMS
BULKHEAD AND CRIBBING IN POOR CONDITION
ELEV: 17.3
ELEV: 12.6
SLIGHT SOIL LOSS
ELEV: 31.5
ELEV: 18.4
SOIL LOSS
ELEV: 32.3
ROAD SURFACE
2" PIPE RAIL
2×6 DECKING
6×12" CONCRETE FLOOR BEAMS
8'0"
12×12" CONCRETE COLUMN
2×10 TIMBER STRINGERS
20'0"
18'0"
2'3"
4" CONCRETE CURB
ROAD SURFACE OCEAN AVENUE
6"×12" CONCRETE FLOOR BEAM

SECTION C-C
GROYNE
TYPICAL THRU THIS SECTION
AT STA 44+80
SCALES — 1":2'

SECTION D-D
BULKHEAD
DETAIL SECTION
FROM STA 45+00 TO 46+60
SCALE — 1":2'

SECTION E-E
BULKHEAD
FROM STA 43+40 TO 45+00
46+00 TO 48+80
SCALE 1":2'

SECTION F-F
BULKHEAD
DETAIL SECTION
FROM STA. 50+50 TO 54+10
SCALE—1":2'

SECTION H-H
BULKHEAD
DETAIL SECTION
FROM STA 54+10 TO 61+00
SCALE 1":2'

SECTION B-B
PIPE OUTLET
AT STA 43+50
SCALE 1":2'

SECTION D-D
PROFILE
OF WASHOUT
AT STA 46+50
SCALES HOR 1":20' VERT 1":6'

SECTION G-G
PROFILE
OF WASHOUT
AT STA 54+50
SCALES HOR 1":20' VERT 1":6'

SECTION A-A
PROFILE
AT STA 43+30
SCALES HOR 1":20' VERT 1":6'

SECTION F-F
PROFILE
AT STA 51+20
SCALES HOR 1":20' VERT 1":6'

SECTION H-H
PROFILE
AT STA 57+30
SCALES HOR 1":20 VERT 1":6

SECTION I-I
PROFILE
GROYNE AND BOARDWALK
LONG BRANCH
AT STA. 61+00
SCALES HOR 1":20' VERT 1":6'

SECTION J-J
BOARDWALK
TYPICAL THRU LONG BRANCH
SCALE—1":2'

CITY OF LONG BRANCH
ATLANTIC OCEAN
WEST END CLUB
BOARDWALK
BRICK
POOL
POOL
BATH HOUSES
BATH HOUSES
DRIVEWAY
GARAGE
PUMPING STATION
STA 43+32 3RD TRAV.
BOARDWALK AND BULKHEAD OUT HEAVY SOIL LOSS
PIPE OUTLET
BOARDWALK DESTROYED
WASHOUT
BULKHEAD LEANING EASTWARD
BULKHEAD POOR
GROYNE (POOR)
GROYNE (FAIR)
STA 47+22 3RD TRAV
BATH HOUSE
BOARDWALK DESTROYED
BH
STA 50+39 3RD TRAV.
N 14° E
WASHOUT
GROYNE POOR
GROYNE (FAIR)
N 15° 25' E
TOP OF SLOPE
BATH HOUSE
BATH HOUSE
SLIGHT SOIL LOSS
ROCK CRIBBING OF 12" PILES 12" C. TO C. WITH 4"×10" WALES
MEAN HIGH WATER
MEAN LOW WATER
GROYNE (POOR)
GROYNE FAIR
WASHOUT SOIL LOSS
BULKHEAD OUT
STA 57+60 3RD TRAV.
N 32° 17' 30" E
BULKHEAD DESTROYED LINE
LINE
GROYNE FAIR
BRIGHTON AVENUE
WEST END AVENUE
OCEAN AVENUE
STA 61+48 3RD TRAV.
STA 0+00 4TH TRAV.
LONG BRANCH BOARDWALK
BATH HOUSES
PAVILION
SOIL LOSS
CRIBBING OF 14" PILES 14" C. TO C. WITH SPLIT PILE WALES BOTH SIDES
BULKHEAD AND CRIBBING IN POOR CONDITION
GROYNE POOR
CONCRETE WALL (POOR)
GROYNE (GOOD)
STA 5+5 4TH TRAV
MAGNETIC MERIDIAN (NOV 1932)
100 50 0 100 200

COAST PROTECTION SURVEY
MONMOUTH COUNTY
JANUARY 1933
SCALE 1 IN.=50 FT.

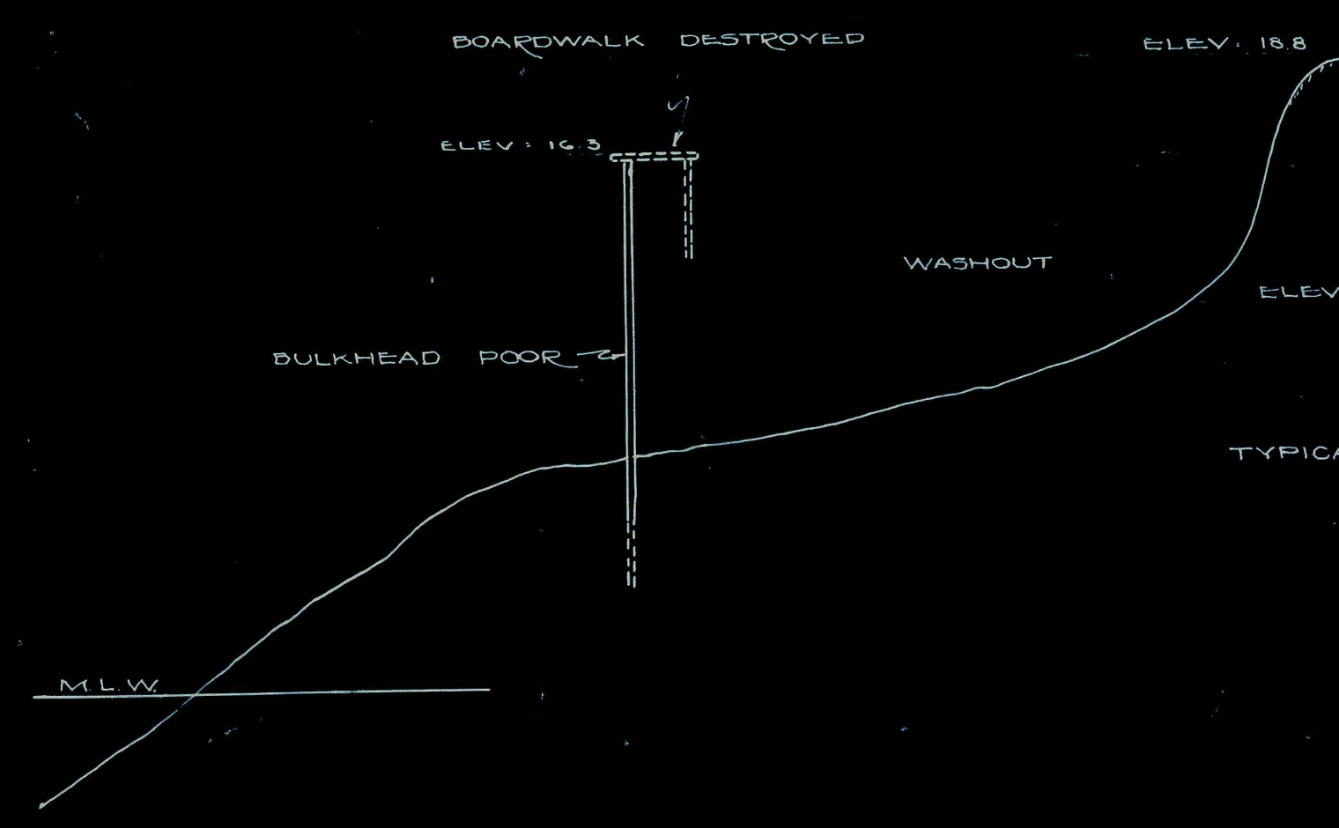
ALL SOUNDINGS AND ELEVATIONS REFER TO M.L.W.

CABINET B
ARM NO. 8
FOLDER NO.
SHEET NO. 9

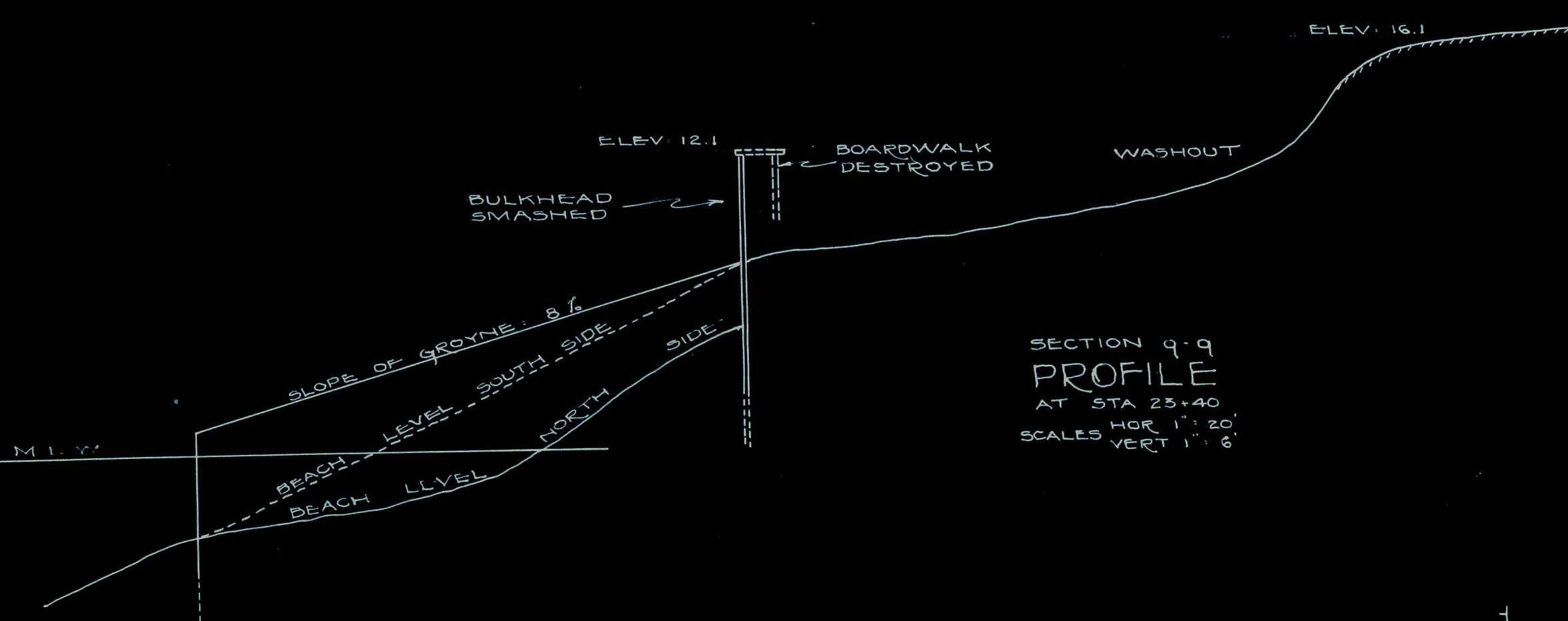
19

NOTE: BEACH SECTIONS TAKEN
43+32 TO 61+48 3RD. TRAV. ON JAN. 13, 1933
0+00 TO 39+05 4TH. TRAV. ON JAN. 18, 1933

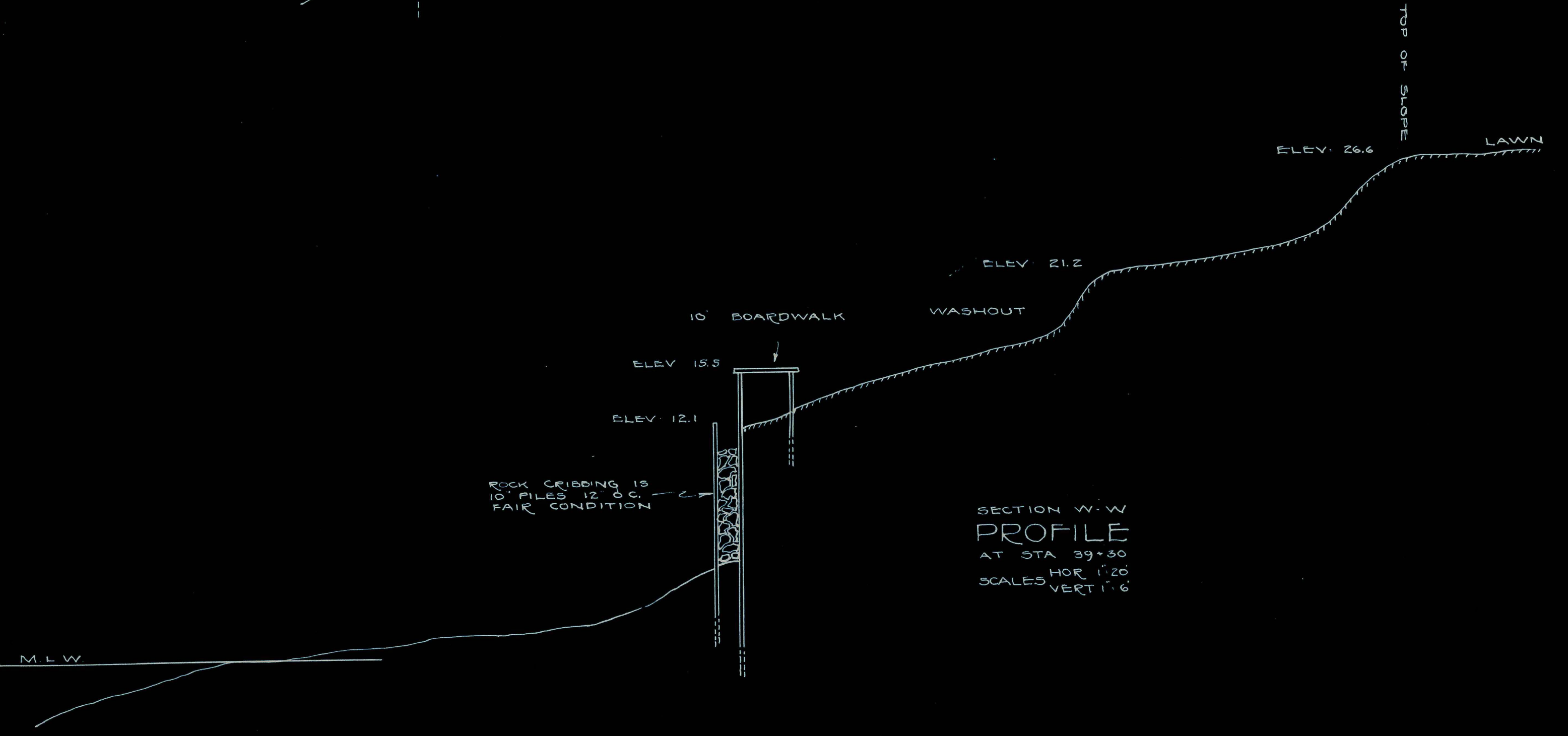
8


BOARDWALK DESTROYED
ELEV. 18.8
ELEV. 16.3
WASHOUT
ELEV. 11.3
BULKHEAD POOR
M.L.W.

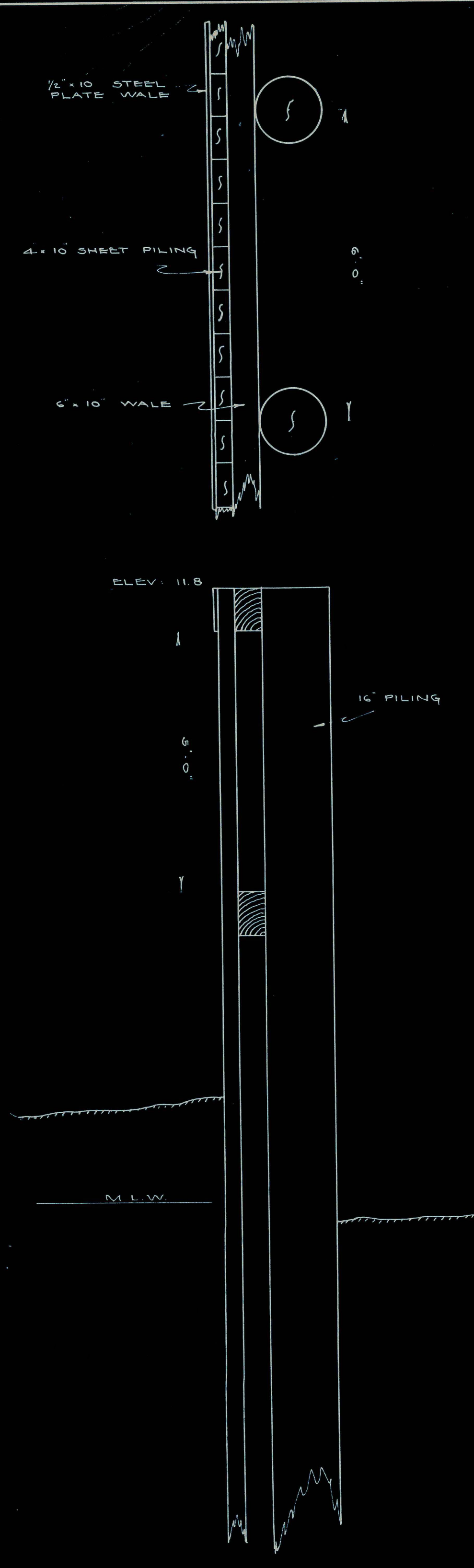
SECTION p-p
PROFILE
TYPICAL FROM STA 19+50 TO 21+00
SCALES HOR. 1"=20' VERT. 1"=6'


ELEV. 16.1
ELEV. 12.1
BOARDWALK DESTROYED
WASHOUT
BULKHEAD SMASHED
SLOPE OF GROYNE 8%
BEACH LEVEL SOUTH SIDE
BEACH LEVEL NORTH SIDE
M.L.W.

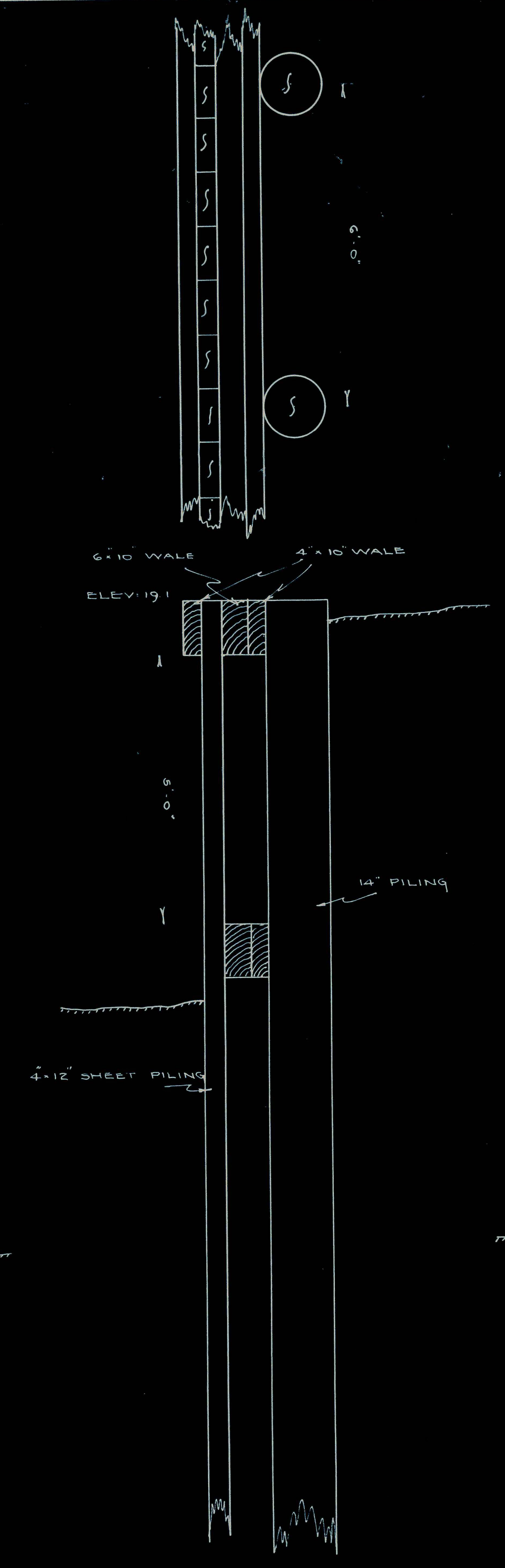
SECTION q-q
PROFILE
AT STA 23+40
SCALES HOR. 1"=20' VERT. 1"=6'


TOP OF SLOPE
LAWN
ELEV. 26.6
ELEV. 21.2
10' BOARDWALK
WASHOUT
ELEV. 15.5
ELEV. 12.1
ROCK CRIBBING 15
10' PILES 12' O.C.
FAIR CONDITION
M.L.W.

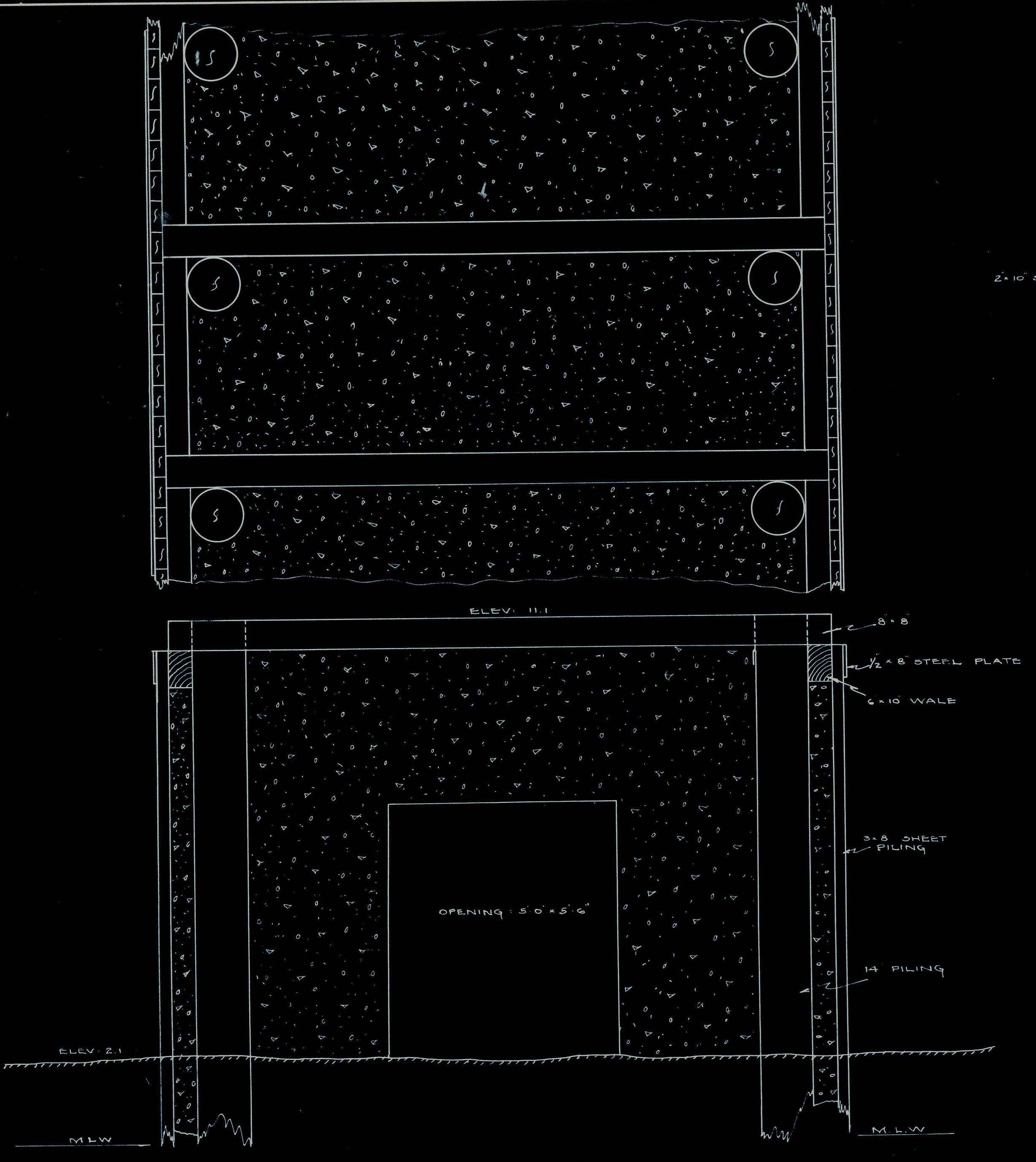
SECTION W-W
PROFILE
AT STA 39+30
SCALES HOR. 1"=20' VERT. 1"=6'


1/2"×10 STEEL PLATE WALE
4×10 SHEET PILING
6"×10 WALE
6'-0"
ELEV. 11.8
16" PILING
6'-0"
M.L.W.

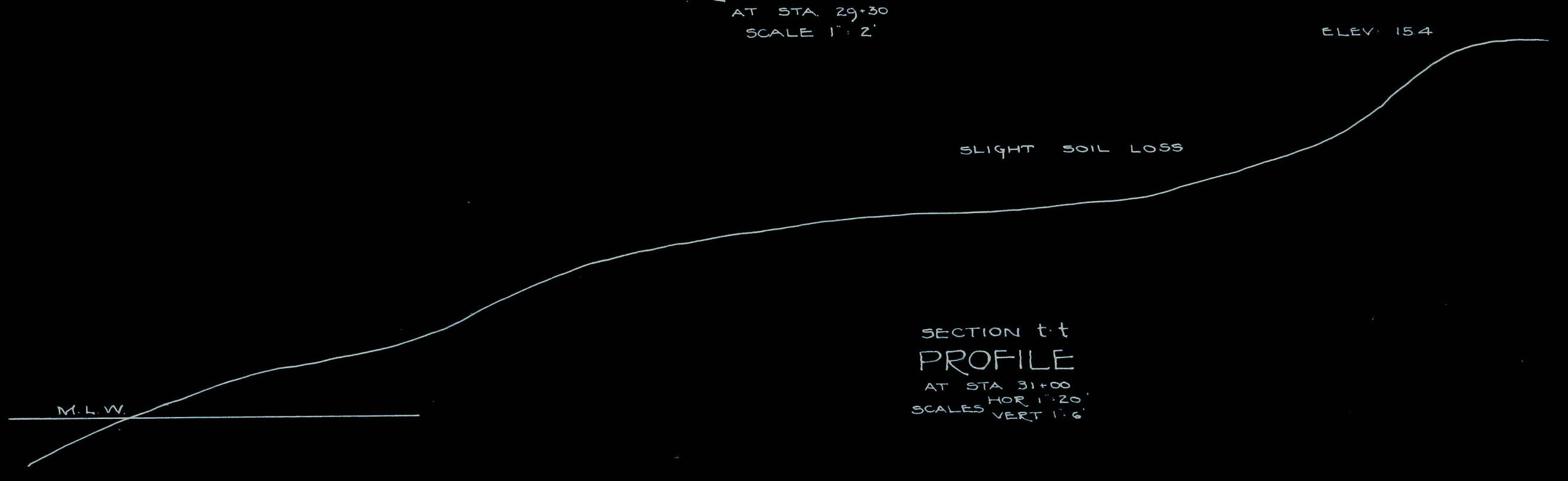
SECTION S-S
BULKHEAD
FORMING SPILLWAY
AT STA 29+30
SCALE 1"=2'


6'-0"
6×10 WALE
4"×10 WALE
ELEV. 19.1
14" PILING
6'-0"
4"×12" SHEET PILING

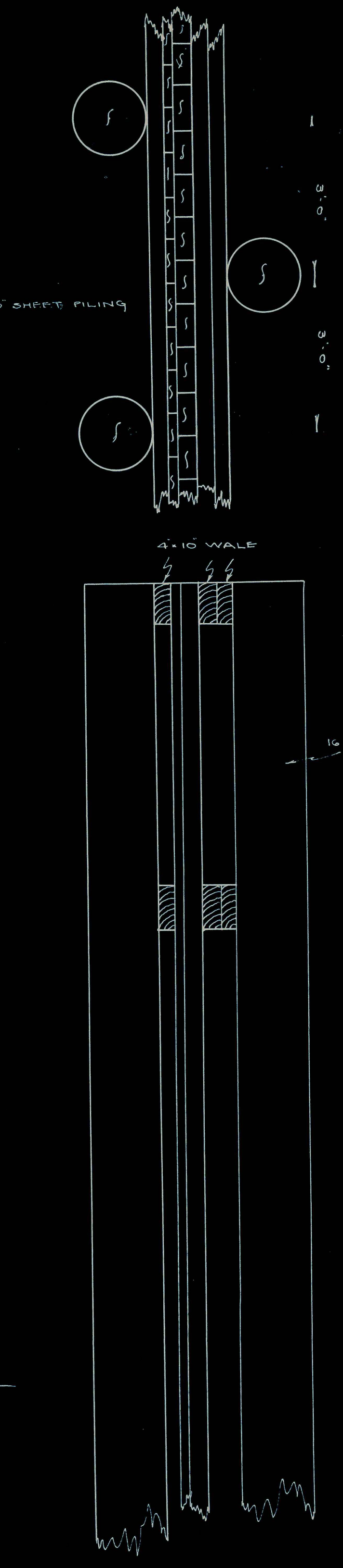
SECTION V-V
BULKHEAD
NEWLY CONSTRUCTED
AT STA 36+70
SCALE 1"=2'


ELEV. 11.1
8×8
1/2×8 STEEL PLATE
6×10 WALE
3×8 SHEET PILING
OPENING 5'0"×5'6"
14 PILING
ELEV. 2.1
M.L.W.

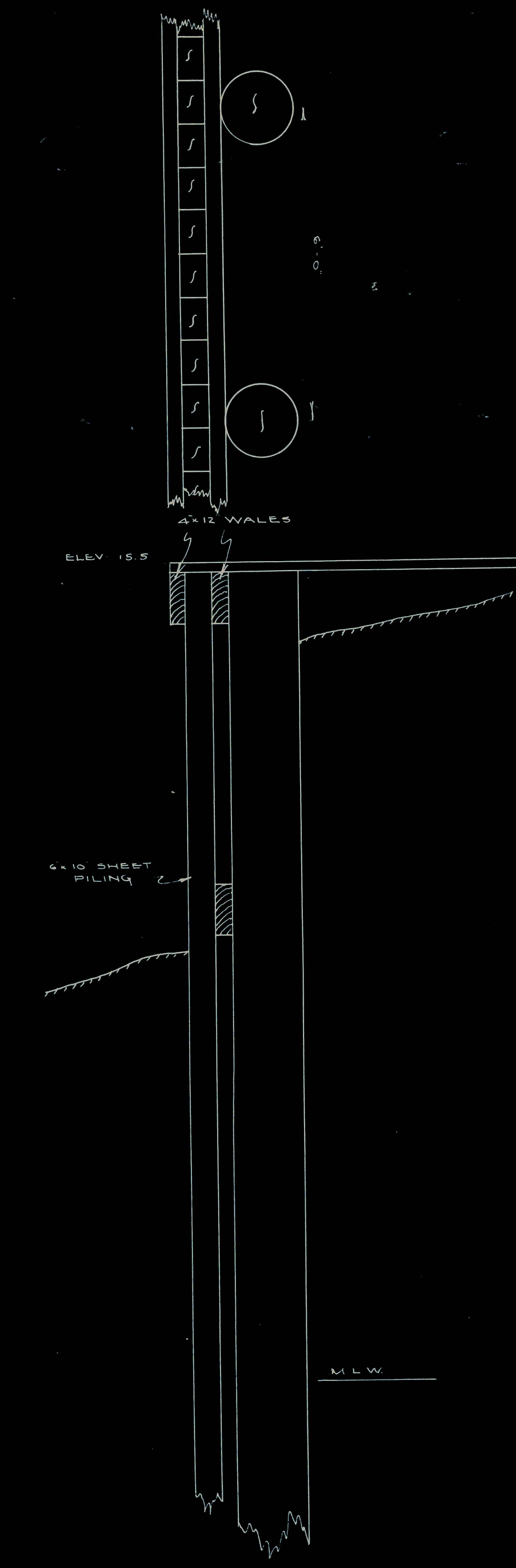
SECTION r-r
CONCRETE SPILLWAY
AT STA 29+30
SCALE 1"=2'


ELEV. 15.4
SLIGHT SOIL LOSS
M.L.W.

SECTION t-t
PROFILE
AT STA 31+00
SCALES HOR. 1"=20' VERT. 1"=6'


2×10 SHEET PILING
6'-0"
6'-0"
4×10 WALE
16" PILING

SECTION U-U
GROYNE
TYPICAL THRU THIS SECTION
SCALE 1"=2'


6'-0"
4×12 WALES
ELEV. 15.5
6×10 SHEET PILING
M.L.W.

SECTION W-W
BULKHEAD
DETAILED SECTION
AT STA 40+20
SCALE 1"=2'

CITY OF LONG BRANCH
ATLANTIC OCEAN
PLAZA COURT
TASKANASSE LAKE
CONCRETE WEIR
PRIVATE DRIVEWAY
UNIMPROVED PROPERTY
IMPROVED PROPERTY
DWELLING
GARAGE - STABLE
U.S. COAST GUARD
RAMP
DWLG
HOLLYWOOD CLUB
BATH HOUSE
FISHING PIER
STA 19+56 3rd TRAVERSE
STA 37+77 3rd TRAV.
STA 43+32 3rd TRAV.
WASHOUT
SHOULDER OF SLOPE
SLIGHT SOIL LOSS
BULKHEAD IN POOR CONDITION
BULKHEAD SMASHED
HEAVY SOIL LOSS
ROW OF FILING
GROYNE FAIR
GROYNE POOR
BULKHEAD POOR; DESTROYED IN SECTIONS
REMAINS OF GROYNE
REMAINS OF BDWK
CONCRETE SPILLWAY
MEAN HIGH WATER
MEAN LOW WATER
M.H.W.
M.L.W.
NEW BULKHEAD
BULKHEAD (POOR)
4' BOARDWALK IN BAD CONDITION
PIPE OUTLET
GROYNE GOOD
ROCK NOW BEING PLACED BY PROCTOR
BOARDWALK
DESTROYED
MAGNETIC MERIDIAN (NOV 1932)
SHEET NO.
ARM NO.
8
8
B

COAST PROTECTION SURVEY
MONMOUTH COUNTY
JANUARY 1933
SCALE 1 IN. = 50 FT.

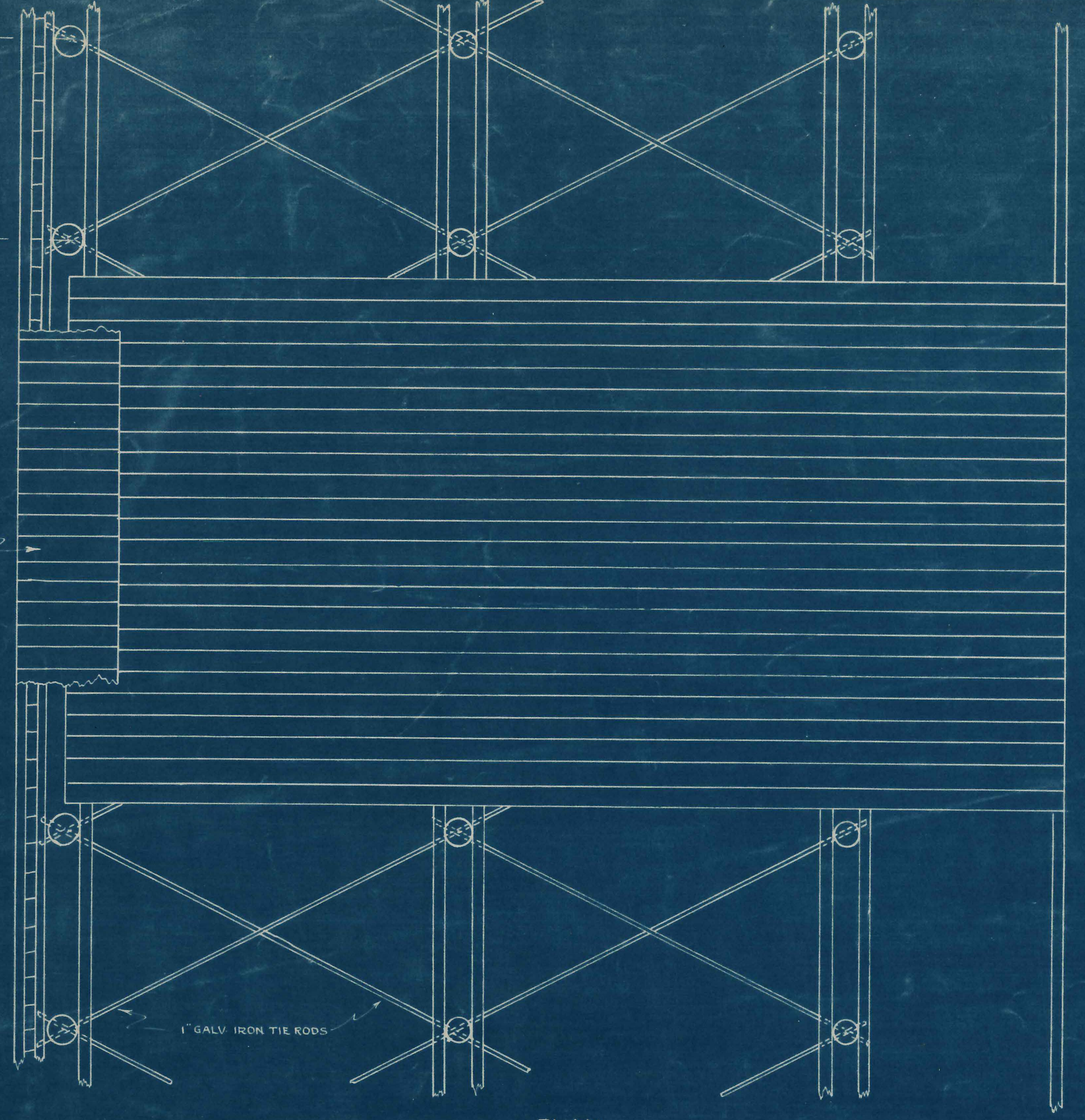
100 50 0 100 200

ALL SOUNDINGS AND ELEVATIONS REFER TO M.L.W.

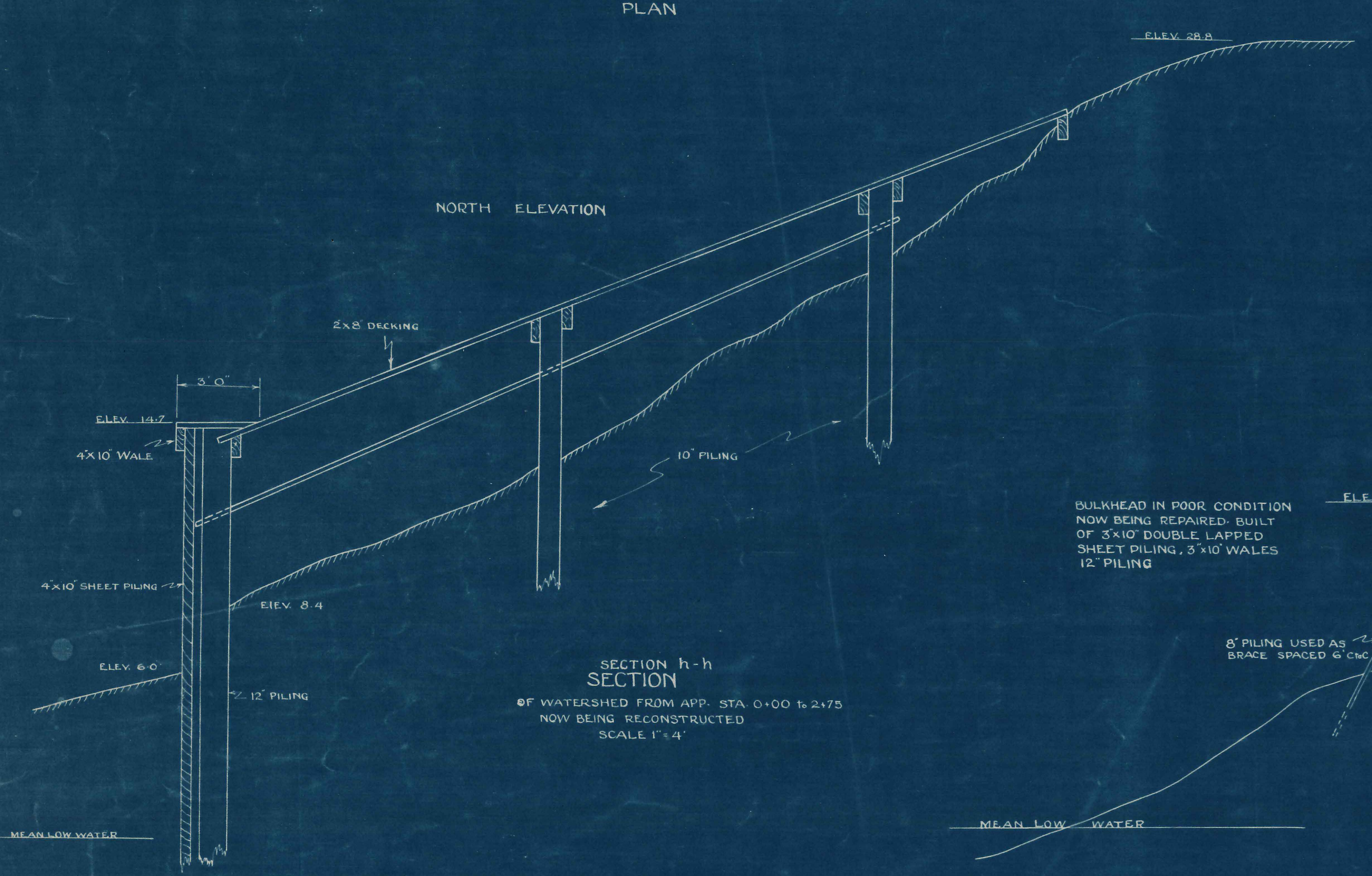
NOTE:- BEACH SECTIONS TAKEN
0+00-27+93 ON JAN. 4, 1933
27+93-43+32.25 ON JAN. 11, 1933

20

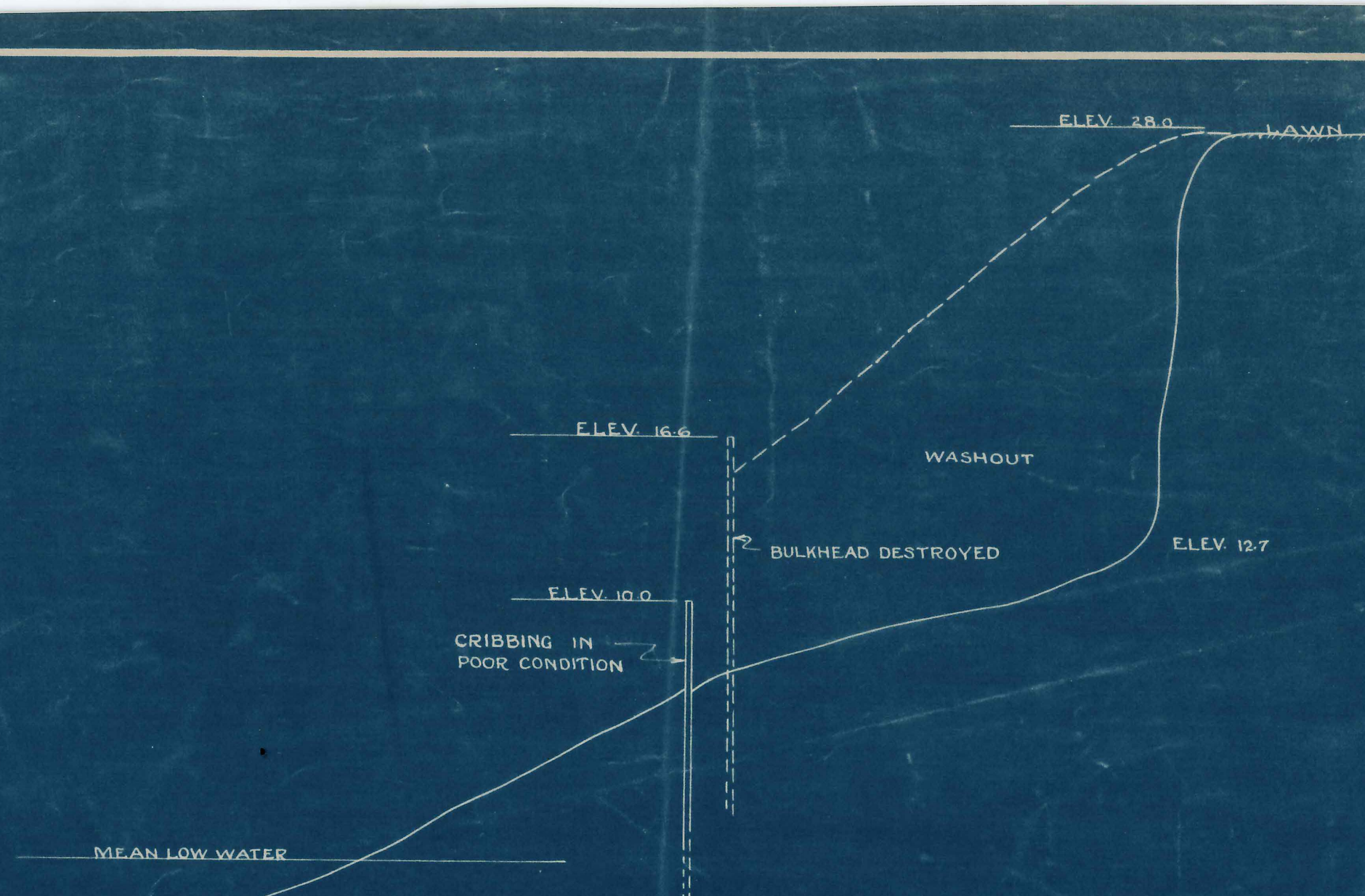
This map was received in Jersey City Office
January 27 1933 therefore the survey was made


6'-0" c to c
2"x8" DECKING
1" GALV. IRON TIE RODS

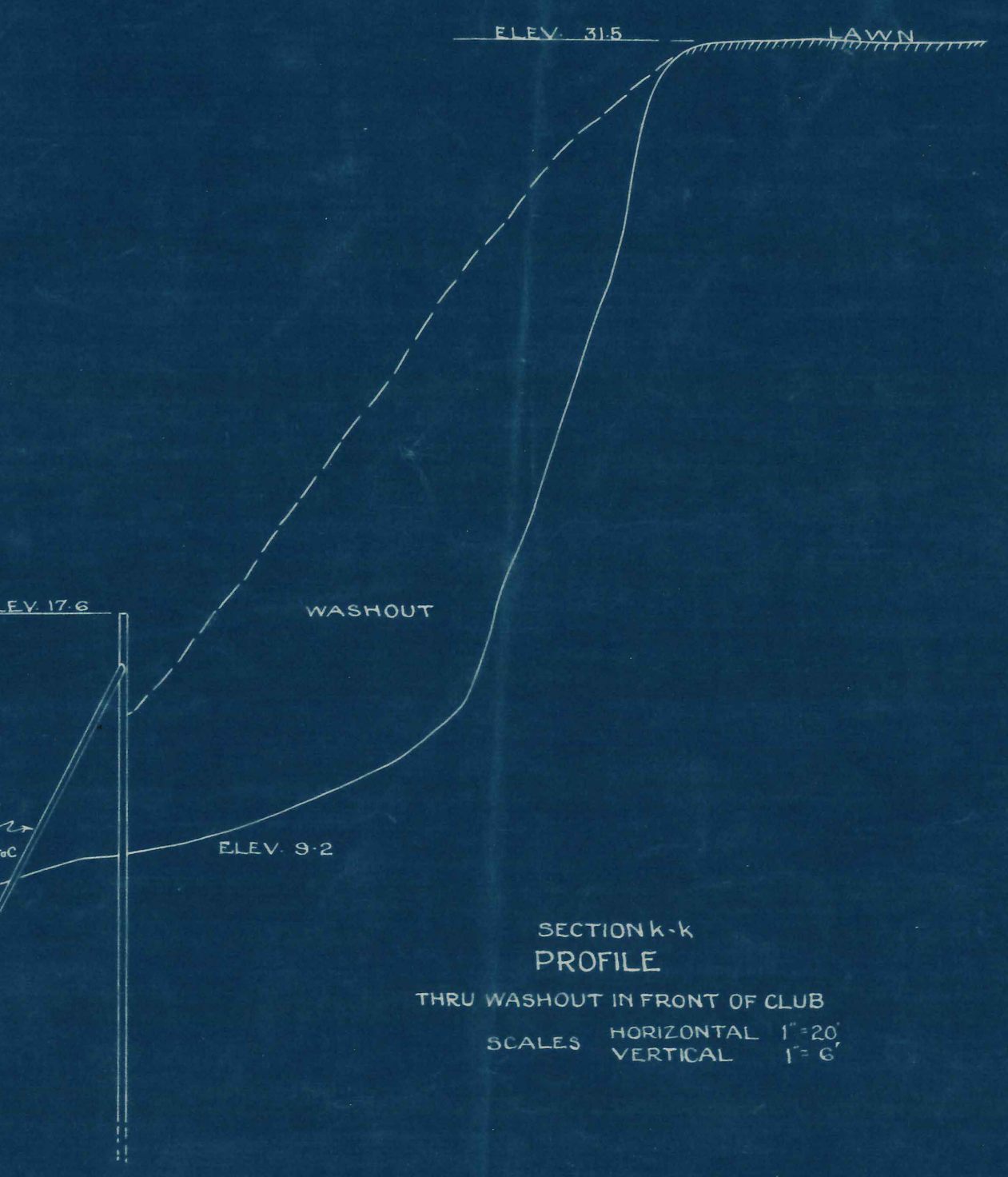
PLAN


NORTH ELEVATION
ELEV. 28.8
2x8' DECKING
3'-0"
ELEV. 14.7
4"x10" WALE
10" PILING
4"x10" SHEET PILING
ELEV. 8.4
ELEV. 6.0
12" PILING
MEAN LOW WATER

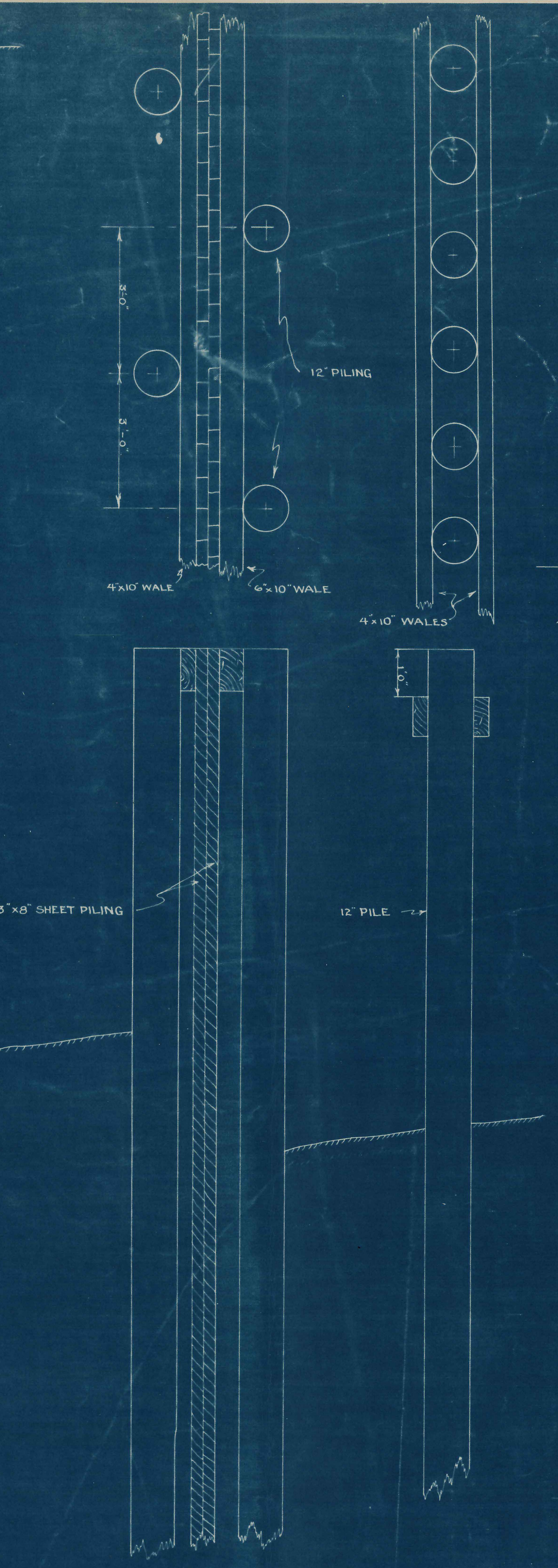
SECTION h-h
SECTION
OF WATERSHED FROM APP. STA. 0+00 to 2+75
NOW BEING RECONSTRUCTED
SCALE 1" = 4'


ELEV. 28.0
LAWN
ELEV. 16.6
WASHOUT
BULKHEAD DESTROYED
ELEV. 12.7
ELEV. 10.0
CRIBBING IN POOR CONDITION
MEAN LOW WATER

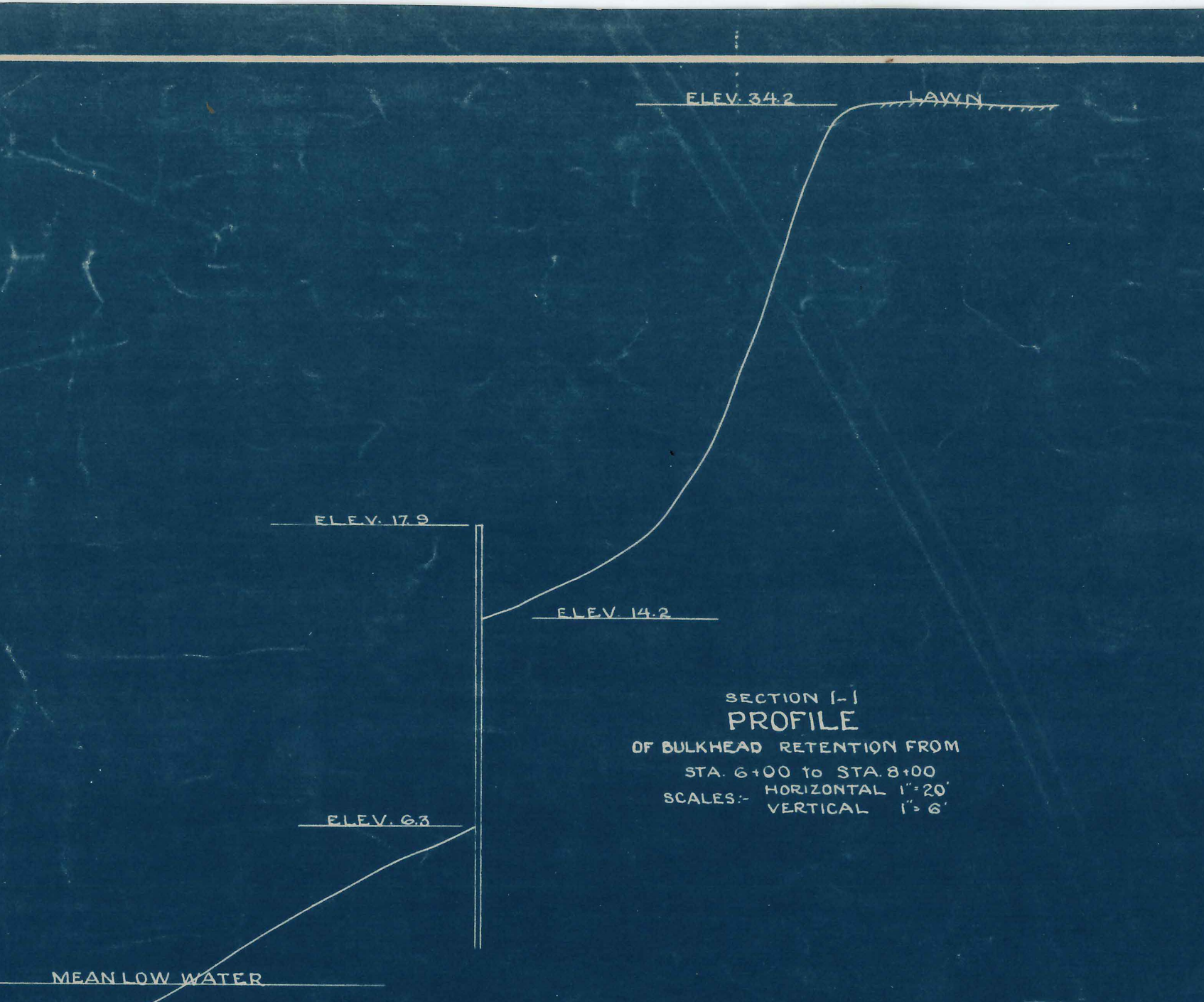
SECTION g-g
PROFILE
THRU WASHOUT TYPICAL FROM STA. 38+00 TO
STA. 42+00 2nd TRAVERSE
SCALES HORIZONTAL 1" = 20'
VERTICAL 1" = 6'


ELEV. 31.5
LAWN
BULKHEAD IN POOR CONDITION NOW BEING REPAIRED. BUILT OF 3"x10" DOUBLE LAPPED SHEET PILING, 3"x10" WALES 12" PILING
ELEV. 17.6
WASHOUT
8" PILING USED AS BRACE SPACED 6' C to C
ELEV. 9.2
MEAN LOW WATER

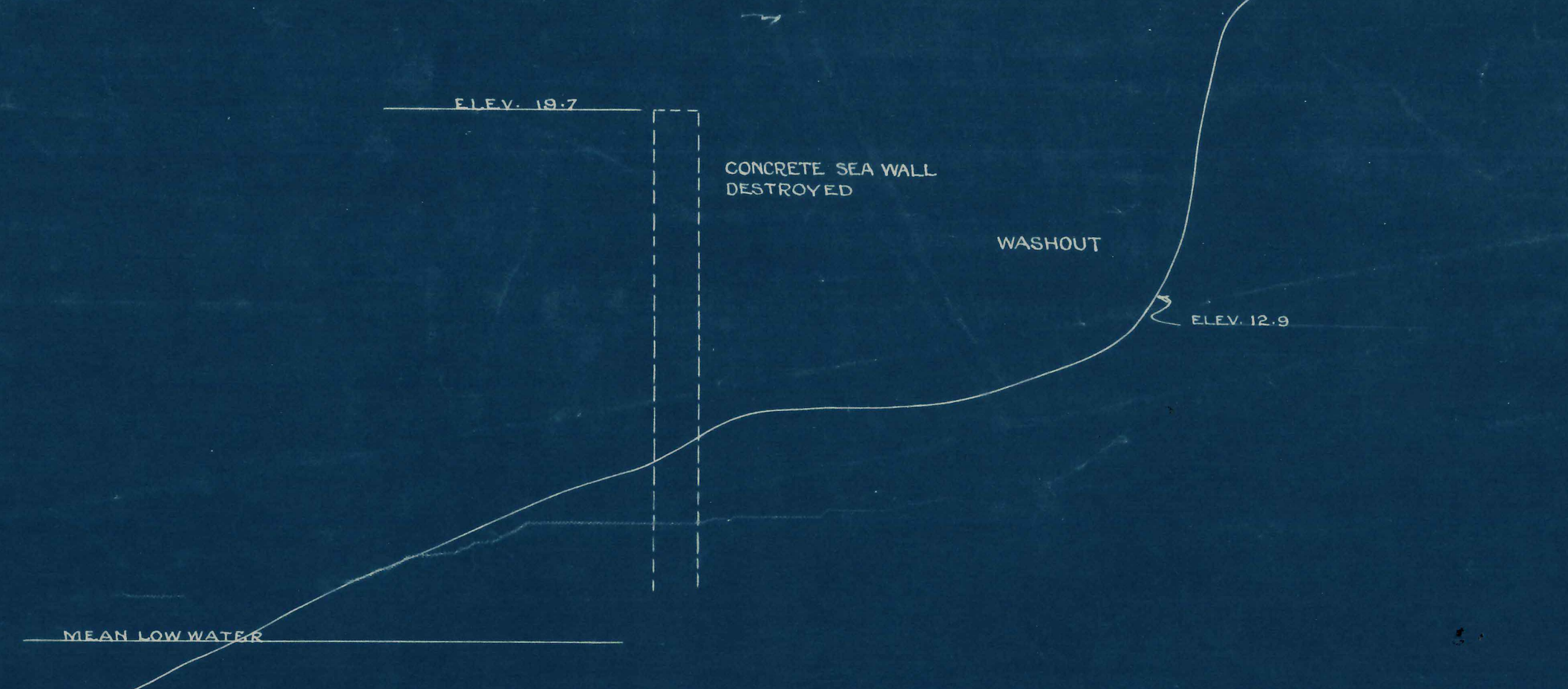
SECTION k-k
PROFILE
THRU WASHOUT IN FRONT OF CLUB
SCALES HORIZONTAL 1" = 20'
VERTICAL 1" = 6'


3'-0"
3'-0"
12" PILING
4"x10" WALE
6"x10" WALE
4"x10" WALES
1'-0"
3"x8" SHEET PILING
12" PILE

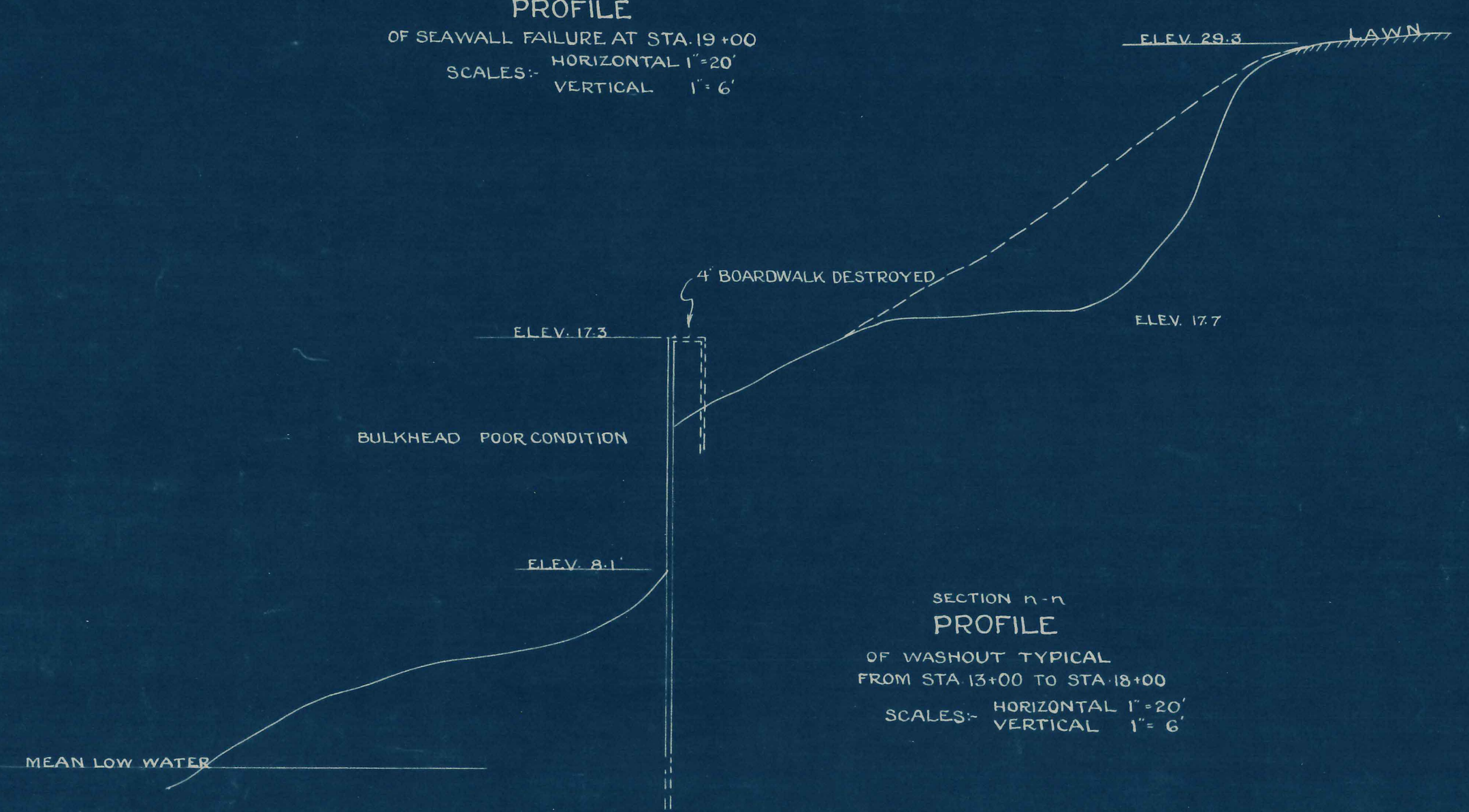
SECTION j-j
SECTION
THRU GROYNE AND PILING
SCALE 1" = 2'


ELEV. 34.2
LAWN
ELEV. 17.9
ELEV. 14.2
ELEV. 6.3
MEAN LOW WATER

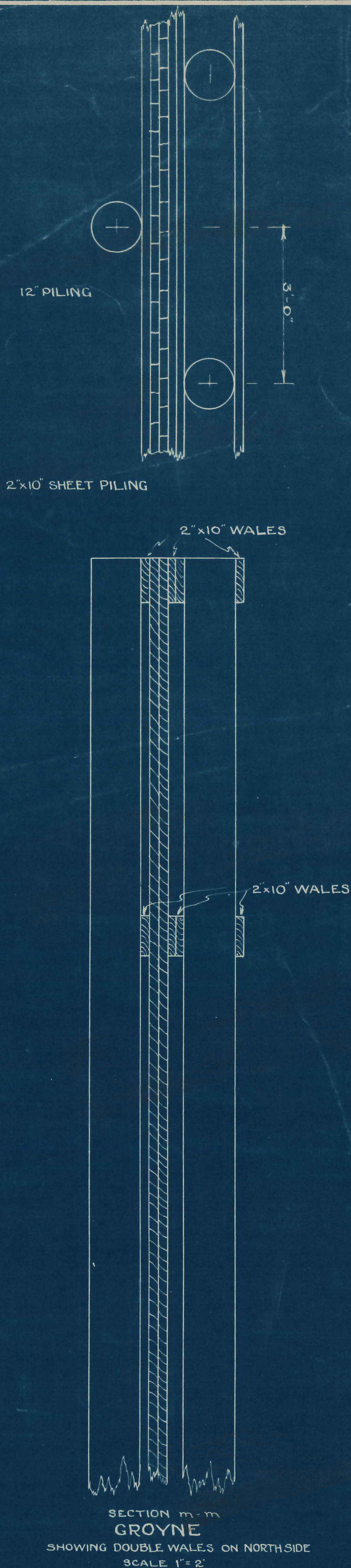
SECTION l-l
PROFILE
OF BULKHEAD RETENTION FROM
STA. 6+00 to STA. 8+00
SCALES:- HORIZONTAL 1" = 20'
VERTICAL 1" = 6'


ELEV. 24.5
LAWN
ELEV. 19.7
CONCRETE SEA WALL DESTROYED
WASHOUT
ELEV. 12.9
MEAN LOW WATER

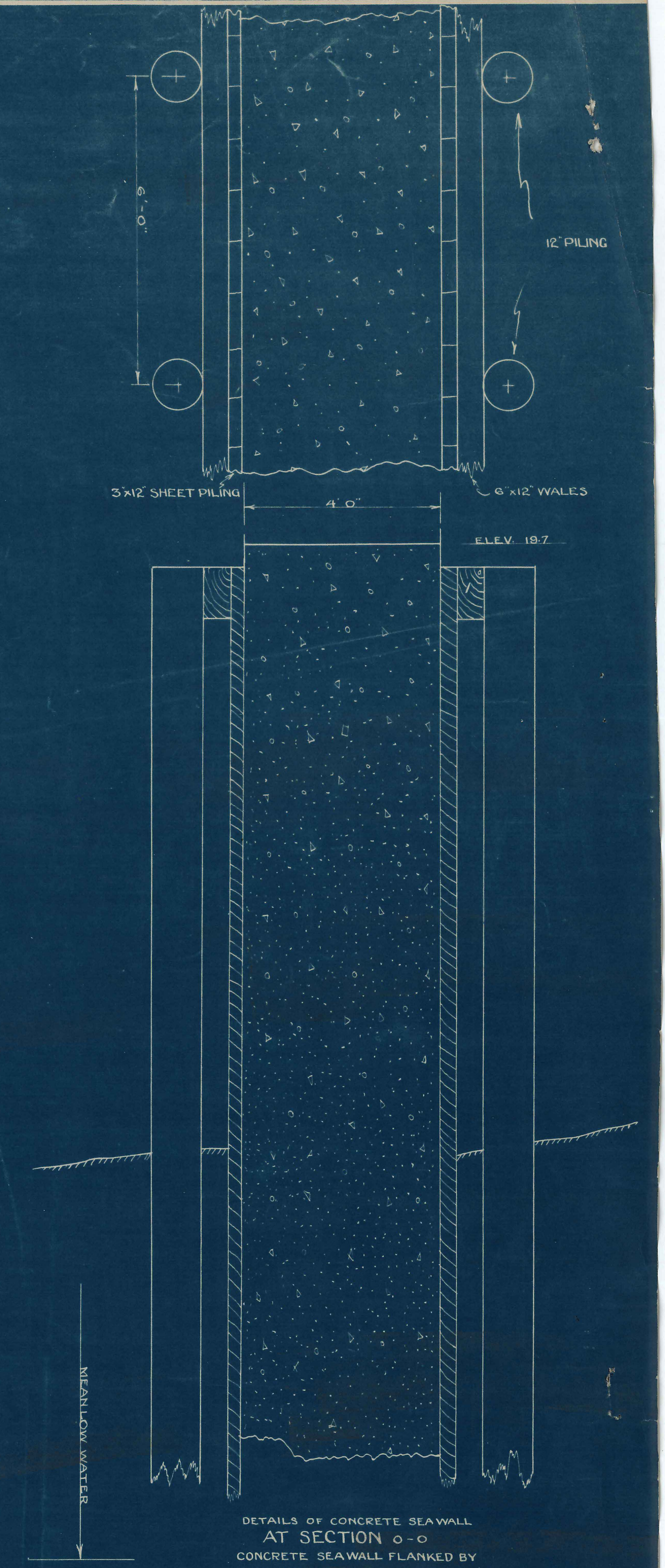
SECTION o-o
PROFILE
OF SEAWALL FAILURE AT STA. 19+00
SCALES:- HORIZONTAL 1" = 20'
VERTICAL 1" = 6'


ELEV. 29.3
LAWN
4' BOARDWALK DESTROYED
ELEV. 17.3
ELEV. 17.7
BULKHEAD POOR CONDITION
ELEV. 8.1'
MEAN LOW WATER

SECTION n-n
PROFILE
OF WASHOUT TYPICAL
FROM STA 13+00 TO STA 18+00
SCALES:- HORIZONTAL 1" = 20'
VERTICAL 1" = 6'


12" PILING
3'-0"
2"x10" SHEET PILING
2"x10" WALES
2"x10" WALES

SECTION m-m
GROYNE
SHOWING DOUBLE WALES ON NORTH SIDE
SCALE 1" = 2'


6'-0"
12" PILING
3"x12" SHEET PILING
6"x12" WALES
4'-0"
ELEV. 19.7
MEAN LOW WATER

DETAILS OF CONCRETE SEAWALL
AT SECTION o-o
CONCRETE SEAWALL FLANKED BY
TWO WOOD BULKHEADS TYPICAL
FROM STA. 18+40 TO 19+60
SCALE 1" = 2"

CITY OF LONG BRANCH
IMPROVED PROPERTY
IMPROVED PROPERTY
PARK AVENUE
PULLMAN AVENUE
ATLANTIC OCEAN
Sta. 38+00 Traverse #2
N 26° 43' E
Sta. 42+36⁴⁵ Traverse #2
Sta. 0+00 Traverse #3
N 5° 18' 30" E
Sta. 3+28³³ Traverse #3
N 25° 32' 30" E
Sta. 13+06⁶⁰ Traverse #3
N 26° 30' 30" E
Sta. 19+56⁷⁰ Traverse #3
TOP OF SLOPE
DEBRIS IN WASHOUT
PAVILLION DESTROYED
WASHOUT
BULKHEAD POOR
GROYNE FAIR
GROYNE POOR
SLIGHT SOIL LOST
BATH HOUSE
BULKHEAD BEING REPAIRED
WATERSHED NOW BEING RECONSTRUCTED
BULKHEAD NOW UNDER CONSTRUCTION
B.H.
PUBLIC CLUB
GROYNE & PIPE OUTLET POOR
BULKHEAD IN POOR CONDITION NOW BEING REPAIRED
MEAN HIGH WATER
MEAN LOW WATER
GROYNE FAIR INSHORE END POOR
BULKHEAD GOOD CONDITION
WRECKED BATH HOUSE
BULKHEAD BROKEN SOME SOIL LOST
BOARDWALK DESTROYED
BULKHEAD POOR
ROW OF PILES
REMAINS OF GROYNE
GROYNE WRECKED
PILE CRIBBING
CONCRETE SEA WALL DESTROYED
MAGNETIC MERIDIAN NOV. 1932
0 50 100 200

COAST PROTECTION SURVEY
MONMOUTH COUNTY
JANUARY 1933
SCALE 1" = 50 FT.
NOTE:- ALL ELEVATIONS & SOUNDINGS REFER TO MEAN LOW WATER

21

NOTE:- BEACH SECTIONS TAKEN
0+00 - 42+36⁴⁵ TRAV #2 ON NOV 30. 1932.
0+00 - 27+93 TRAV #3 ON JAN 4, 1933