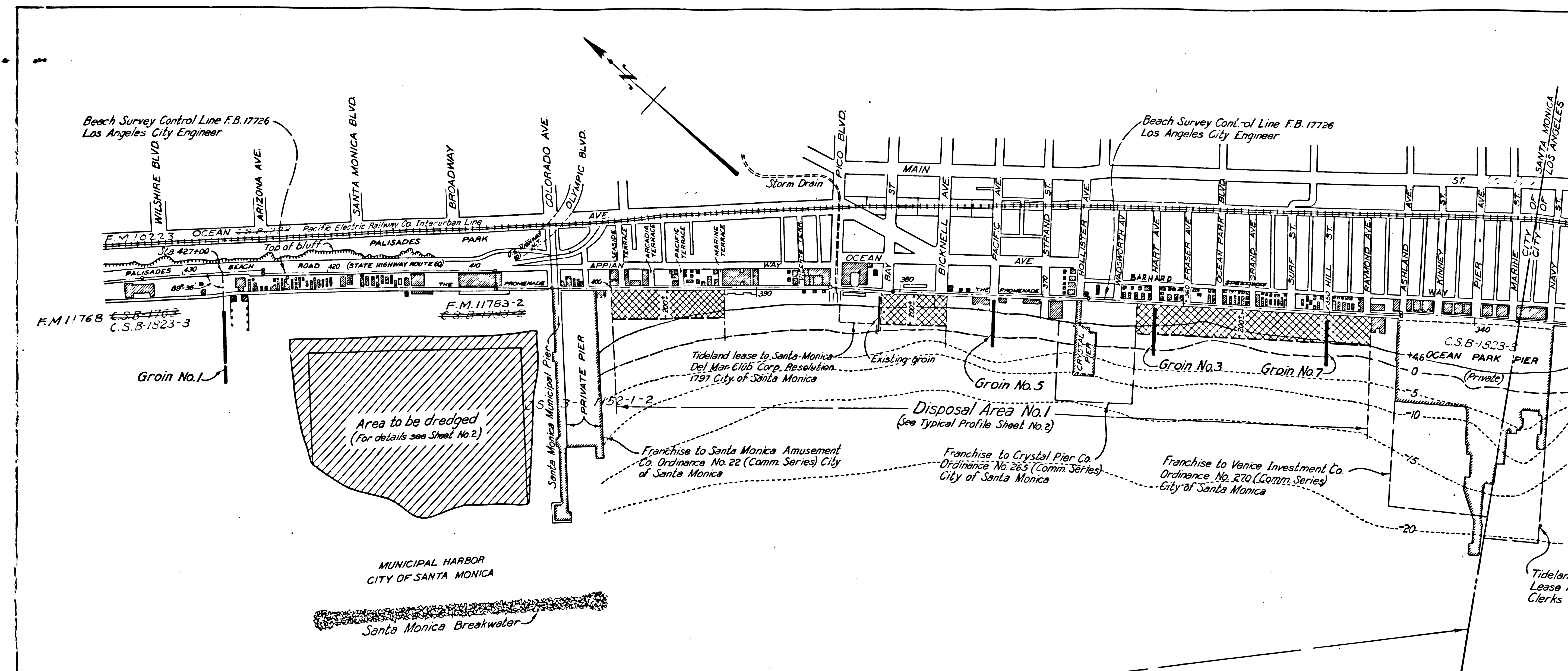
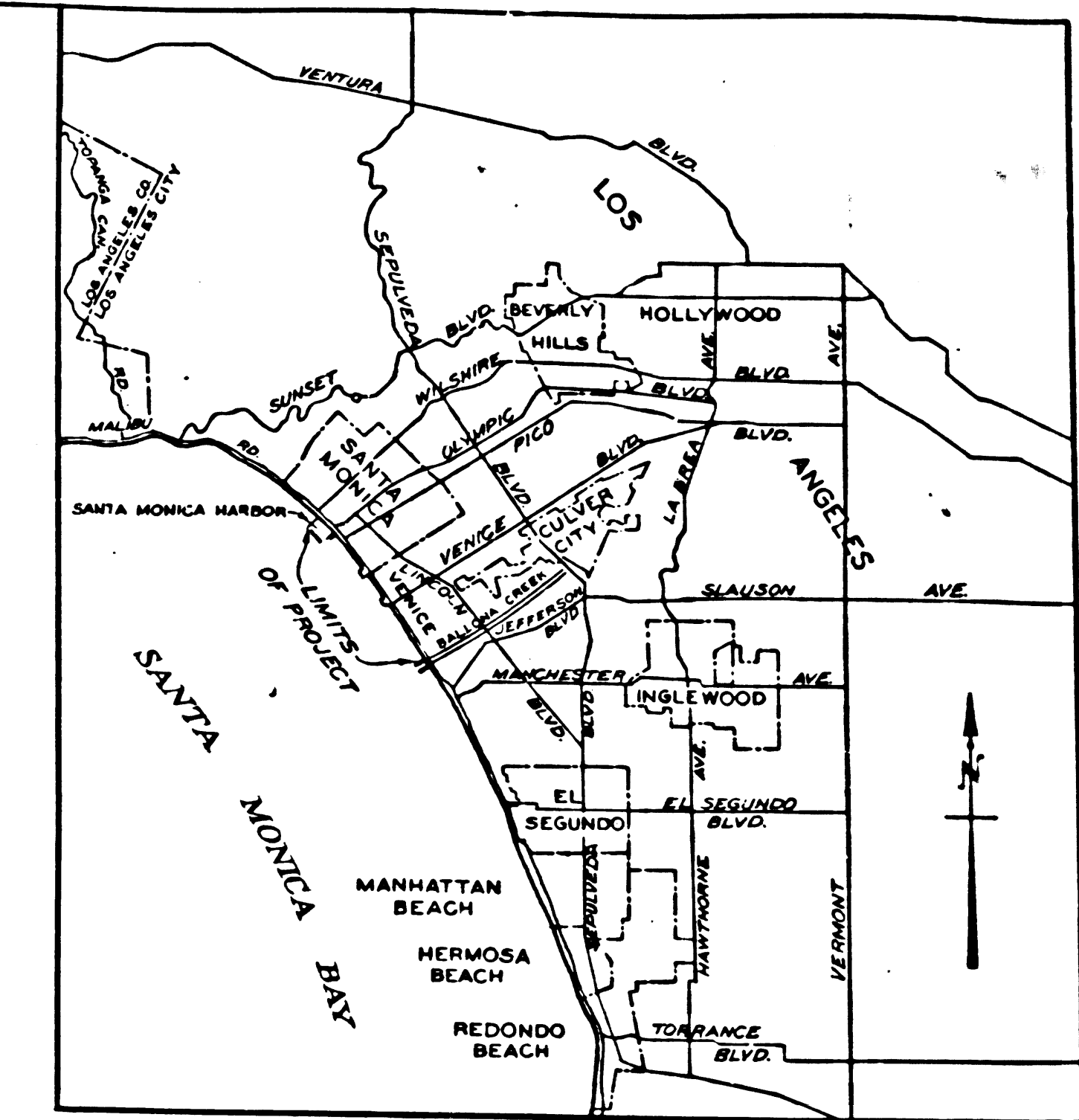




These plans, consisting of 5 sheets were prepared by the City Engineer of the City of Los Angeles for the improvement of Santa Monica and Venice Beaches under Chapter 942-Statutes of 1941, pursuant to a service agreement dated July 27, 1943, and approved August 5, 1943, between the City of Los Angeles and the State of California, through the State Engineer.



VICINITY MAP
SCALE
0 1 2 3 4 5 Miles

APPROVED JANUARY 26, 1944

Edmund T. Ruppert
STATE ENGINEER LICENSE NO. 7

STATE PARK COMMISSION OF CALIFORNIA

APPROVED BY RESOLUTION DATED SEPTEMBER 18, 1943

J. R. McManus
CHAIRMAN

COUNTY OF LOS ANGELES

APPROVED FEBRUARY 8, 1944

Eugene P. Ruppert
CHAIRMAN PRO-TEM
BOARD OF SUPERVISORS

CITY OF LOS ANGELES

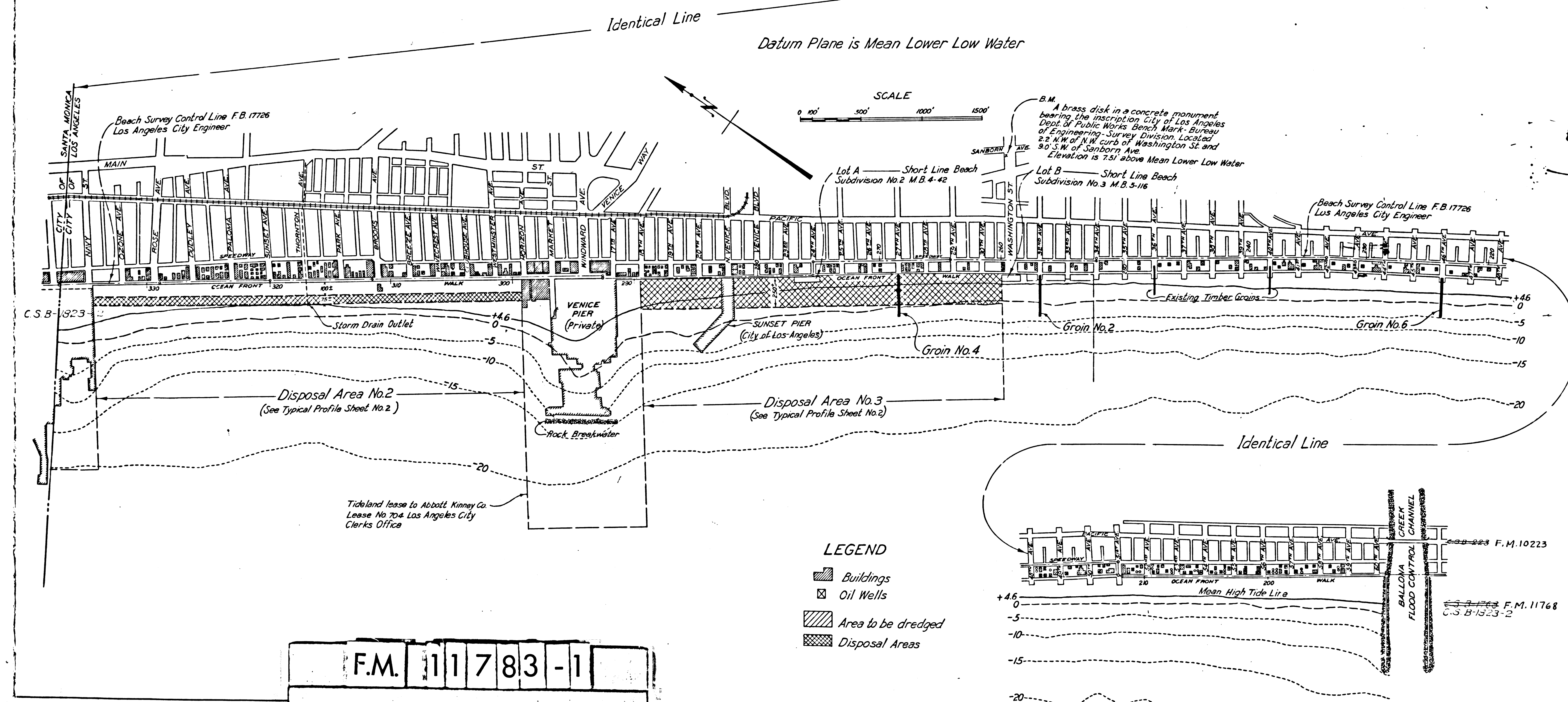
APPROVED JAN 27, 1944

W. J. O'Brien
CITY ENGINEER

CITY OF SANTA MONICA

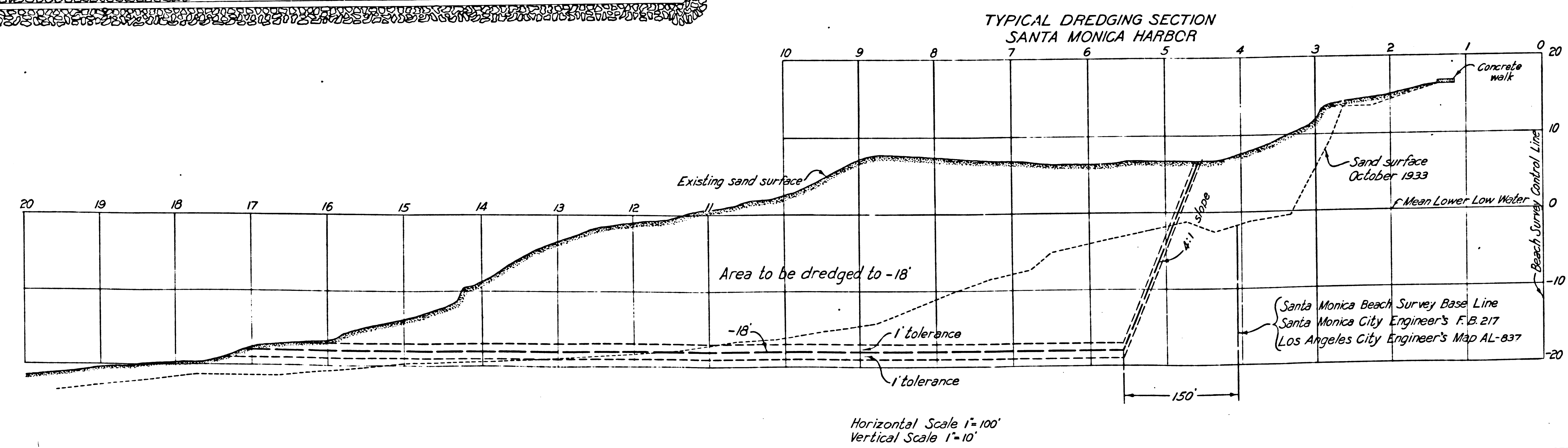
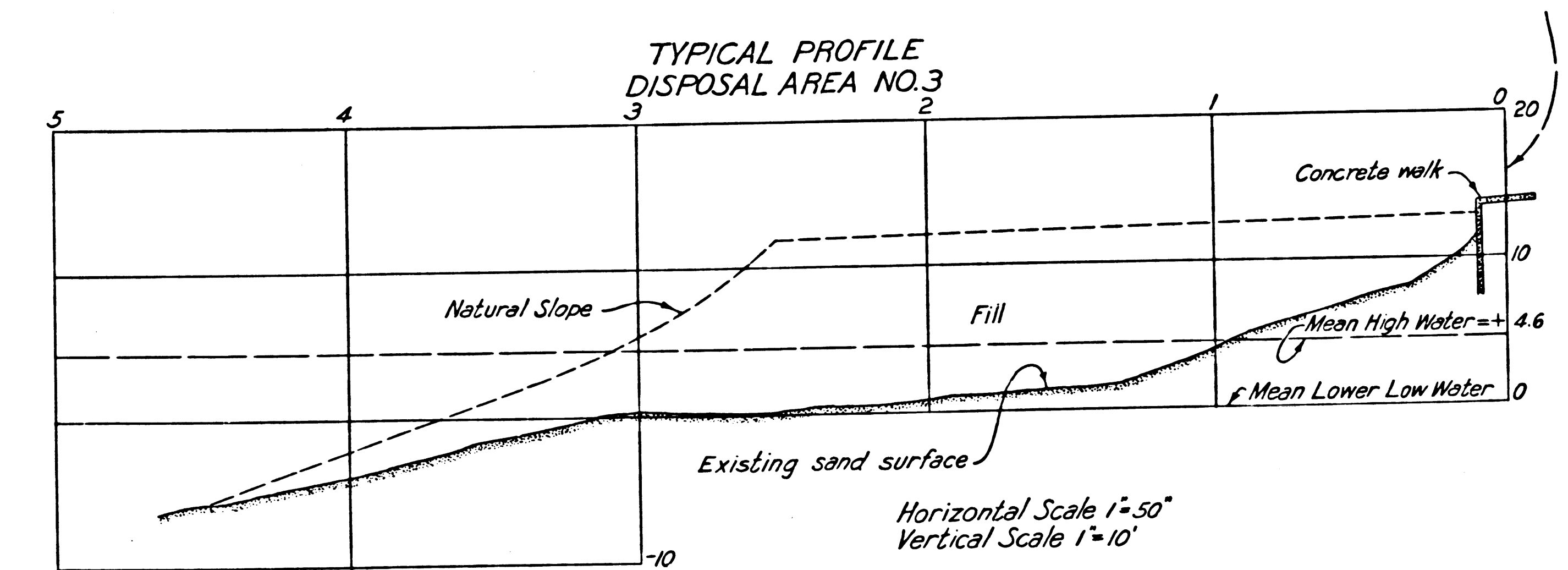
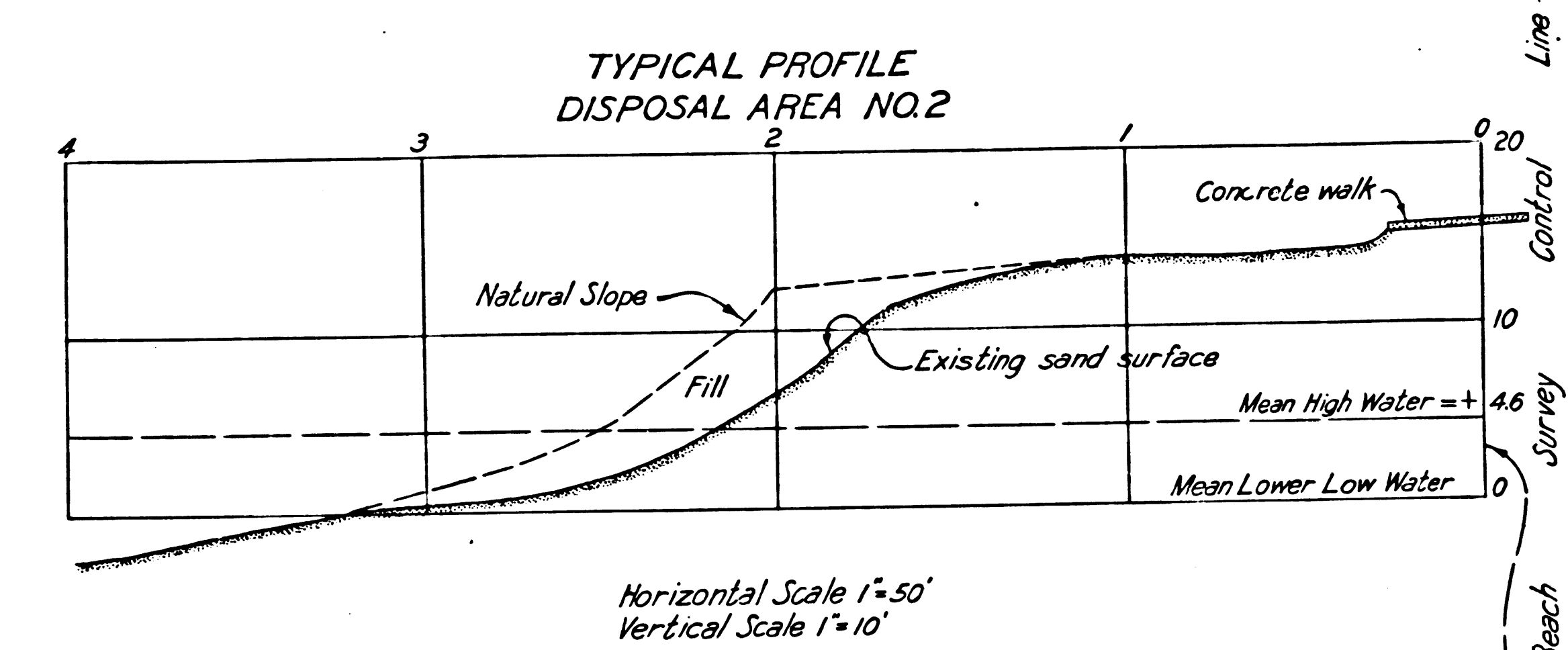
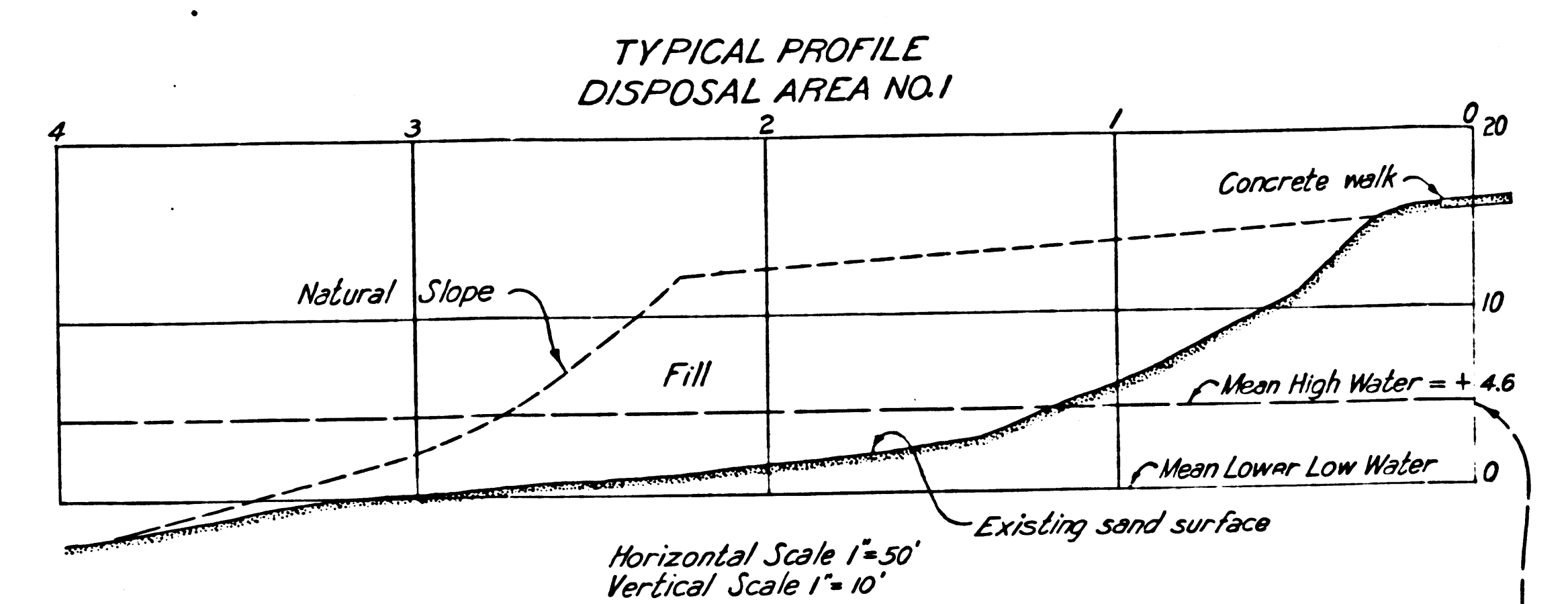
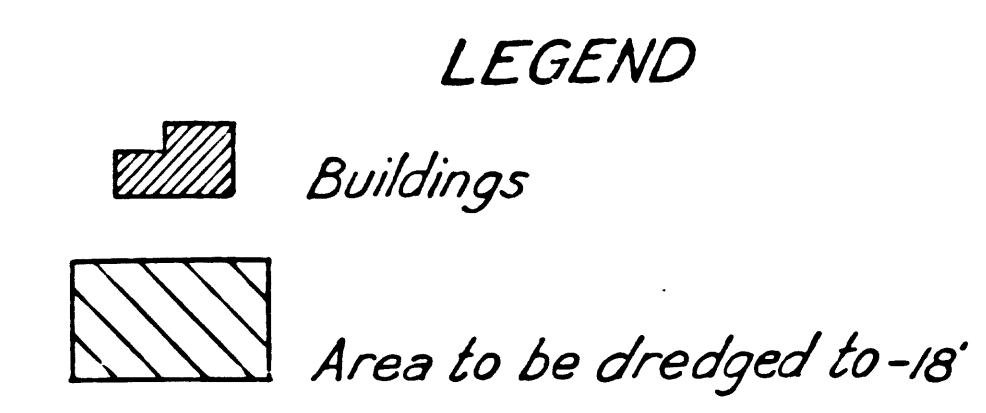
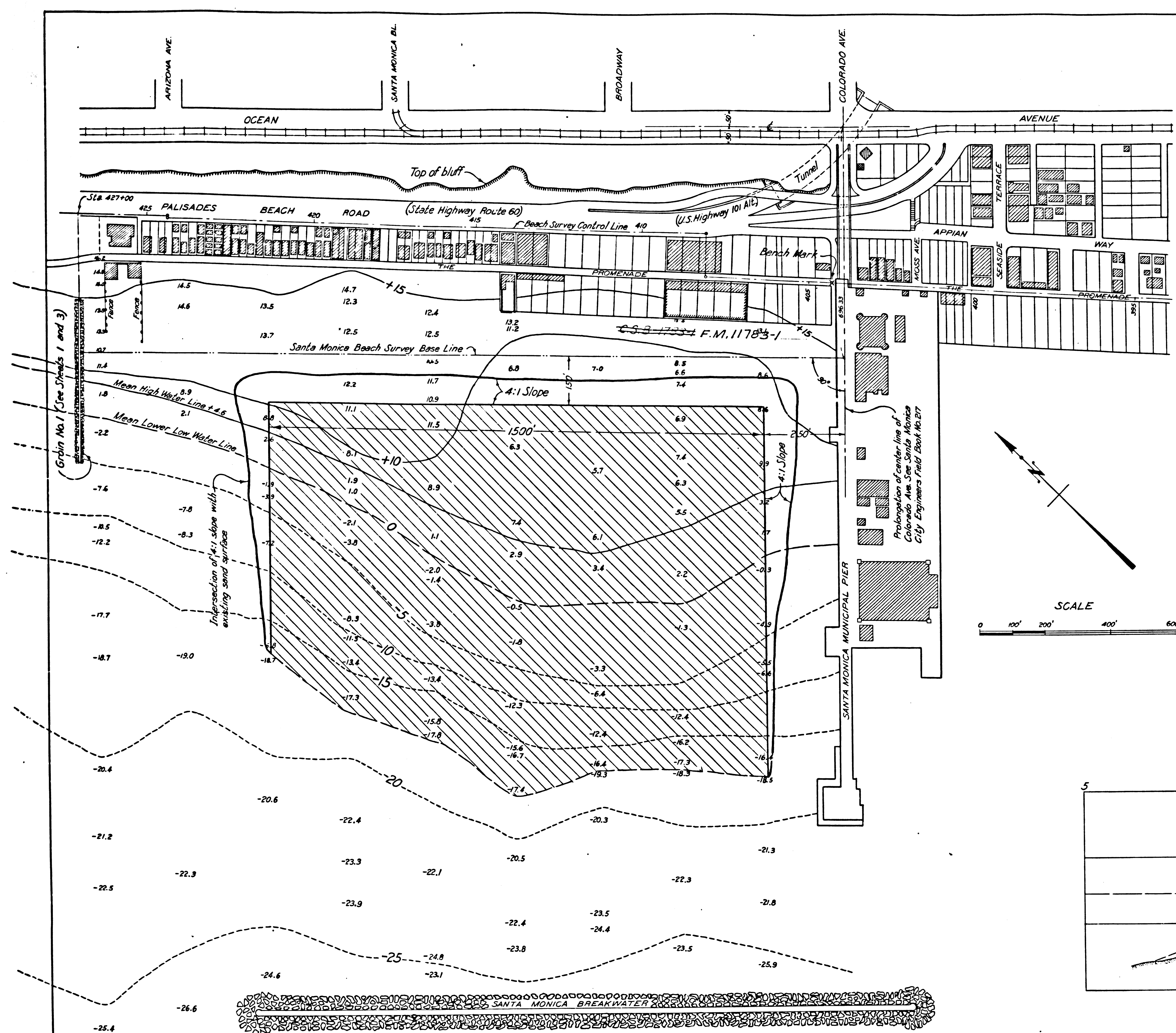
APPROVED FEBRUARY 2, 1944 BY RESOLUTION NO. 3409

L. J. Murray
COMMISSIONER OF PUBLIC SAFETY
AND EX-OFFICIO MAYOR



LEGEND
Buildings
Oil Wells
Area to be dredged
Disposal Areas

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES
IMPROVEMENT
OF
SANTA MONICA AND VENICE BEACHES
UNDER
CHAPTER 942 STATUTES OF 1941
FOR
STATE PARK COMMISSION COUNTY OF LOS ANGELES
CITY OF LOS ANGELES AND CITY OF SANTA MONICA
SEPTEMBER 1943 SHEET 1 OF 5 SHEETS
SCALES AS SHOWN



NOTES

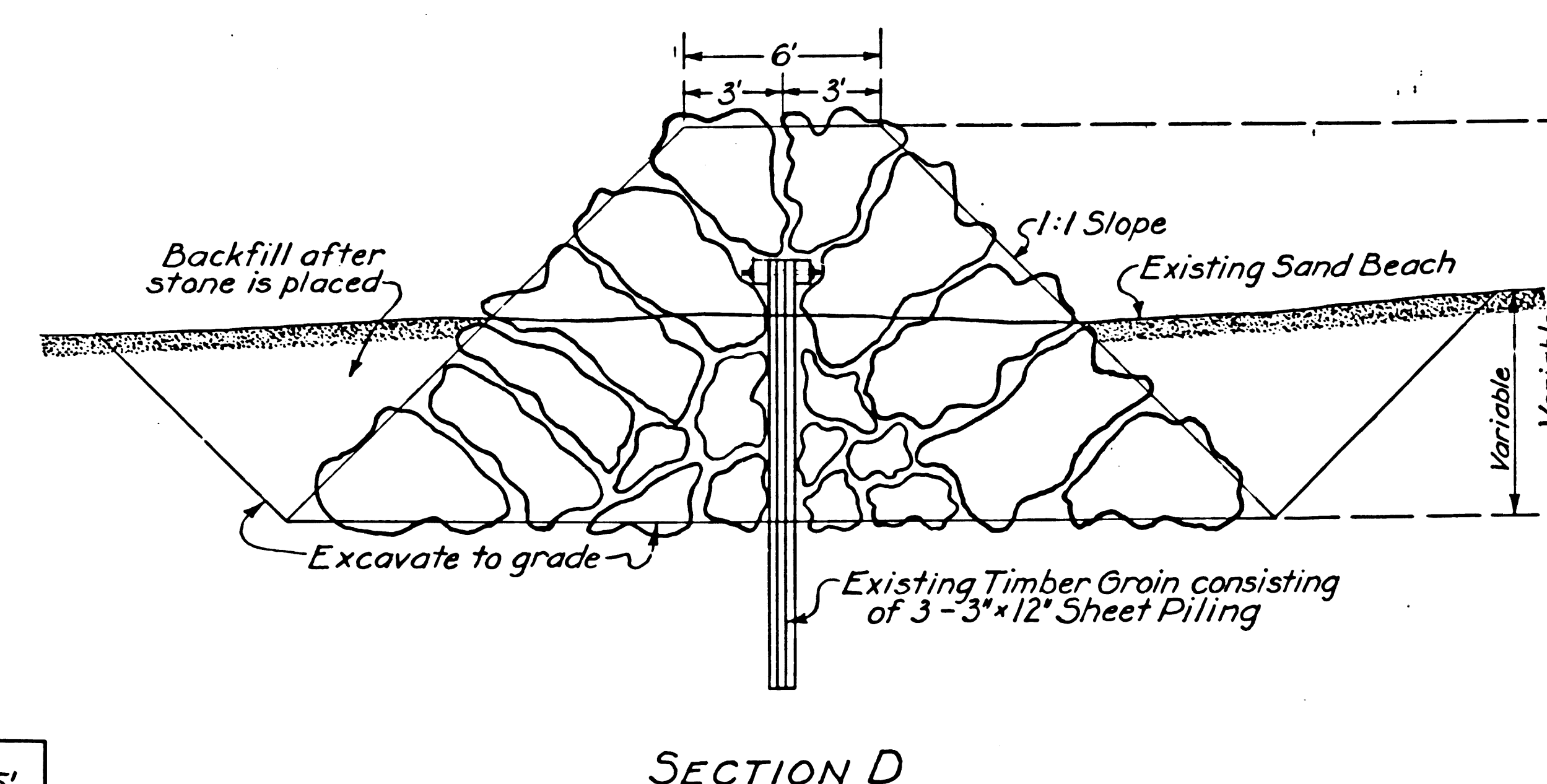
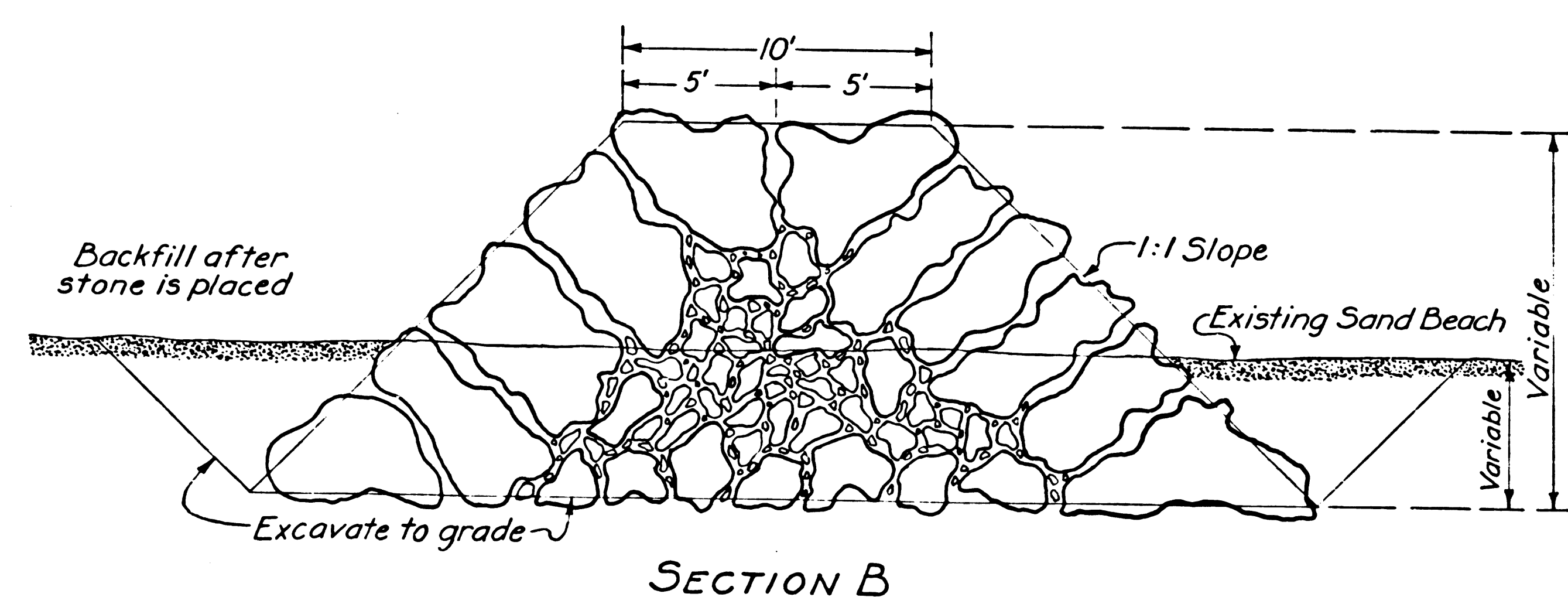
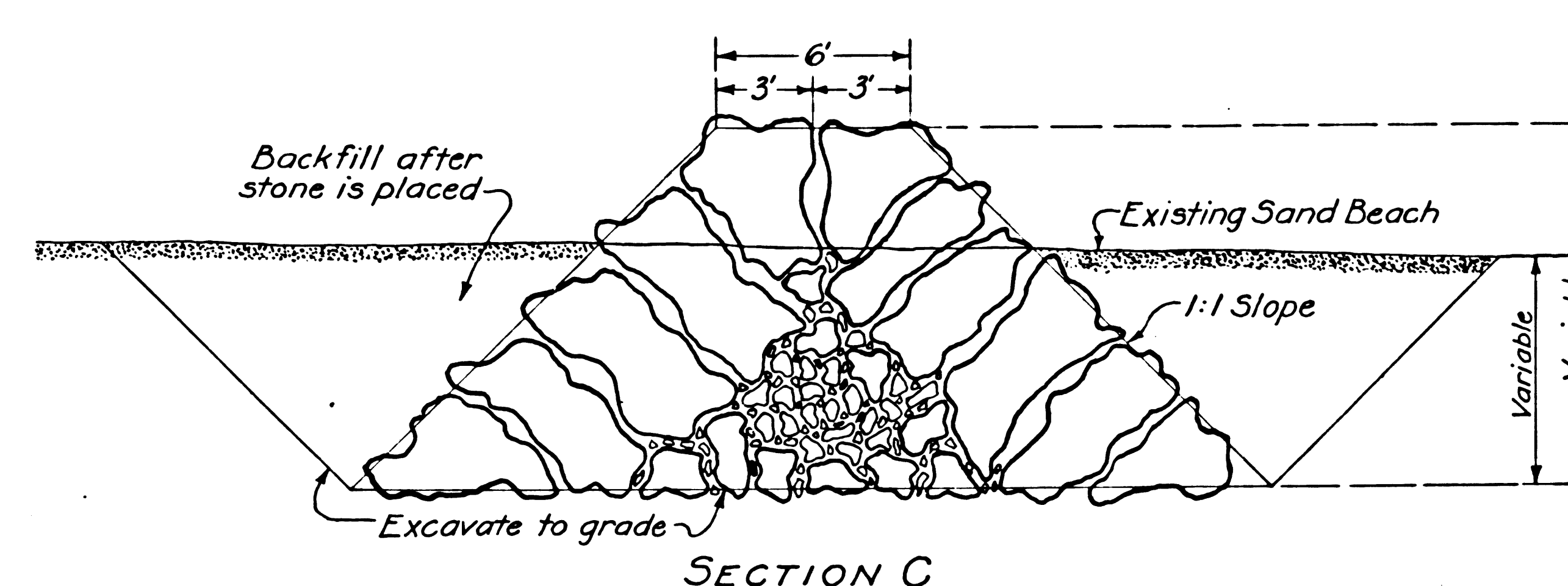
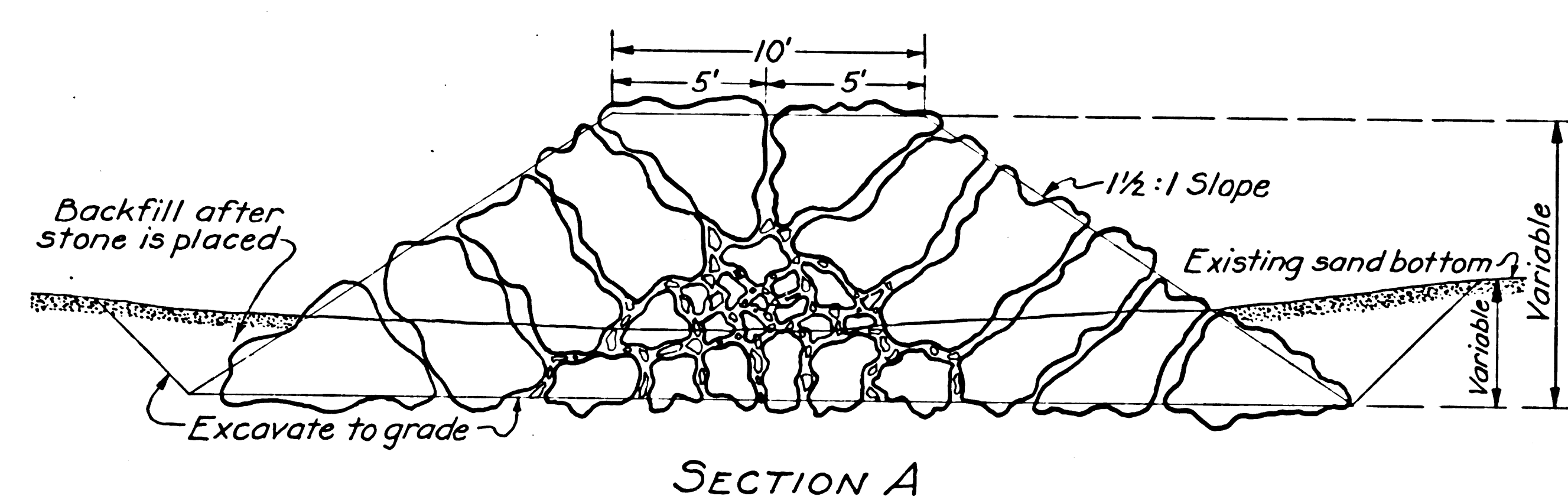
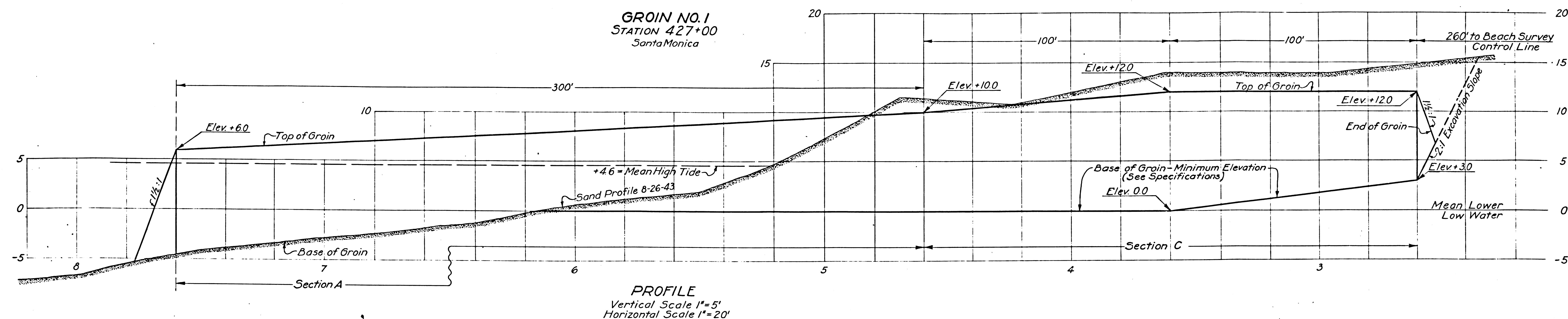
In the slope ratios indicated hereon the first figure is the horizontal distance and the second figure the vertical height, as 4:1

The plane of reference for elevations and depths shown hereon is Mean Lower Low Water. Elevations and depths are in feet.

BENCH MARK
A metal disk set in top of a concrete post about one foot below the concrete sidewalk of The Promenade, with the following raised lettering on it: Beach Survey Control Line-Santa Monica Bay-City Engineer, Los Angeles City-County Surveyor, Los Angeles County. The location is 29.0 feet northwest of the Colorado Ave. overhead approach to the municipal pier and 5.5 feet southwest of the inshore side of The Promenade. The elevation of the disk is 15.24 feet above mean lower low water.

DREDGING AREA
IMPROVEMENT OF
SANTA MONICA AND VENICE BEACHES
SHEET 2 OF 5 SHEETS

F.M. 111783-2



Scale of Sections: 1"=5'

NOTES

Groins are to be constructed of stone to the cross-sections indicated hereon and of the sizes and weights and other characteristics as given in the Special Provisions.

The station of the groin is on the Los Angeles City Engineer's Beach Survey Control Line - Field Book 17726.

In the slope ratios indicated hereon, the first figure is the horizontal distance and the second figure the vertical height, as 1 1/2:1.

For additional groin profiles see Sheets No. 4 and No. 5.

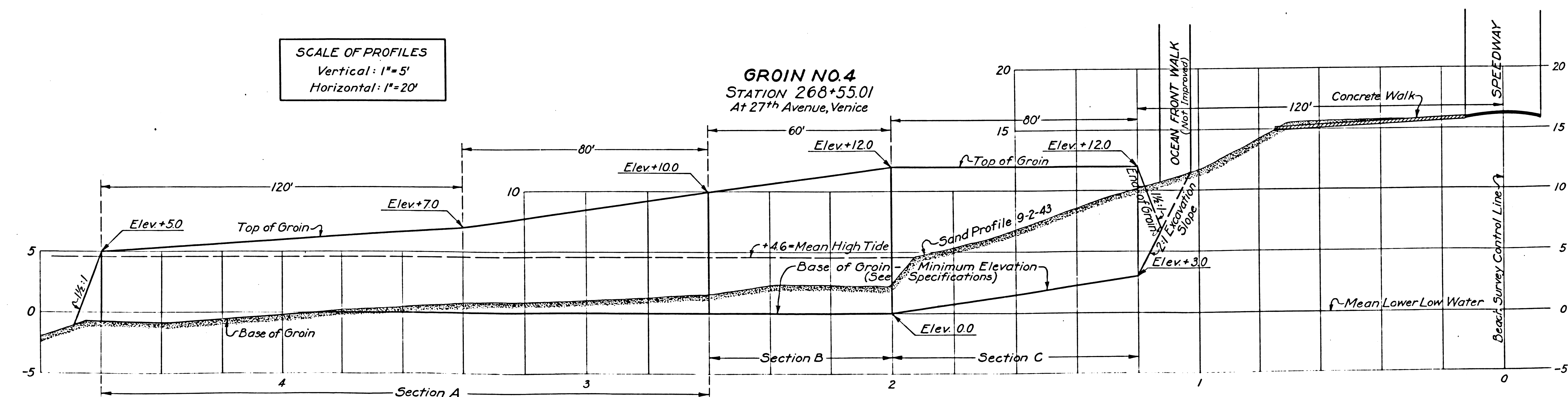
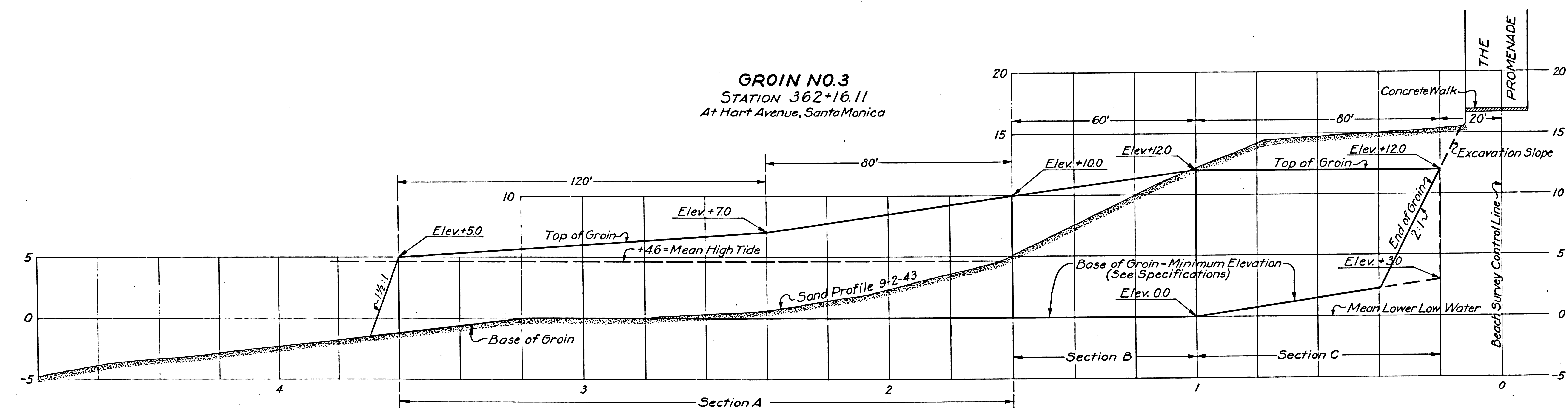
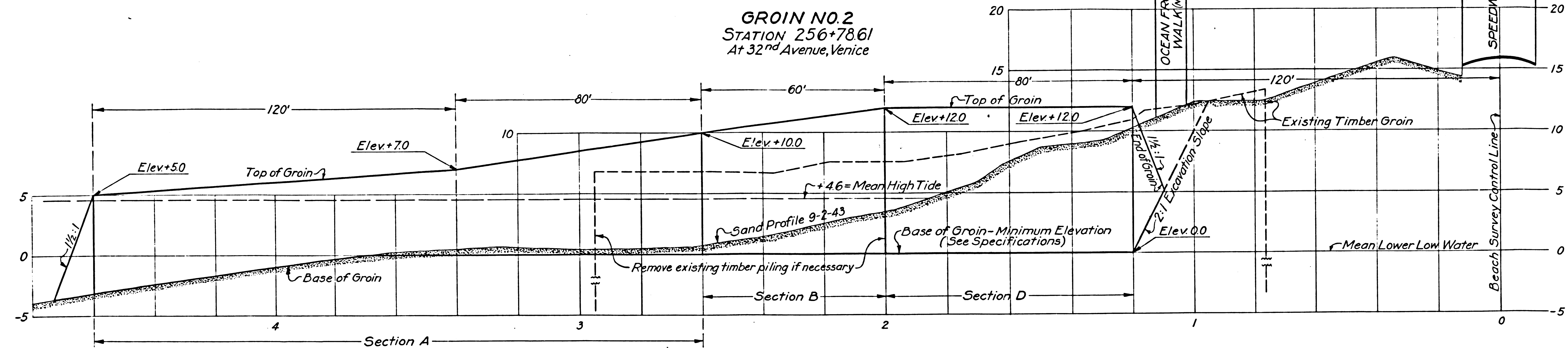
For further details of stone groins see Special Provisions.

The cost of all excavation and backfill incidental to the construction of groins shall be included in the price bid per ton of stone in place.

For details of transition between groin sections A, B, C, and D see Special Provisions.

GROIN NO. 1 - TYPICAL GROIN CROSS SECTIONS
IMPROVEMENT OF
SANTA MONICA AND VENICE BEACHES
SHEET 3 OF 5 SHEETS

F.M. 11783-3



SCALE OF PROFILES
Vertical: 1"=5'
Horizontal: 1"=20'

NOTES

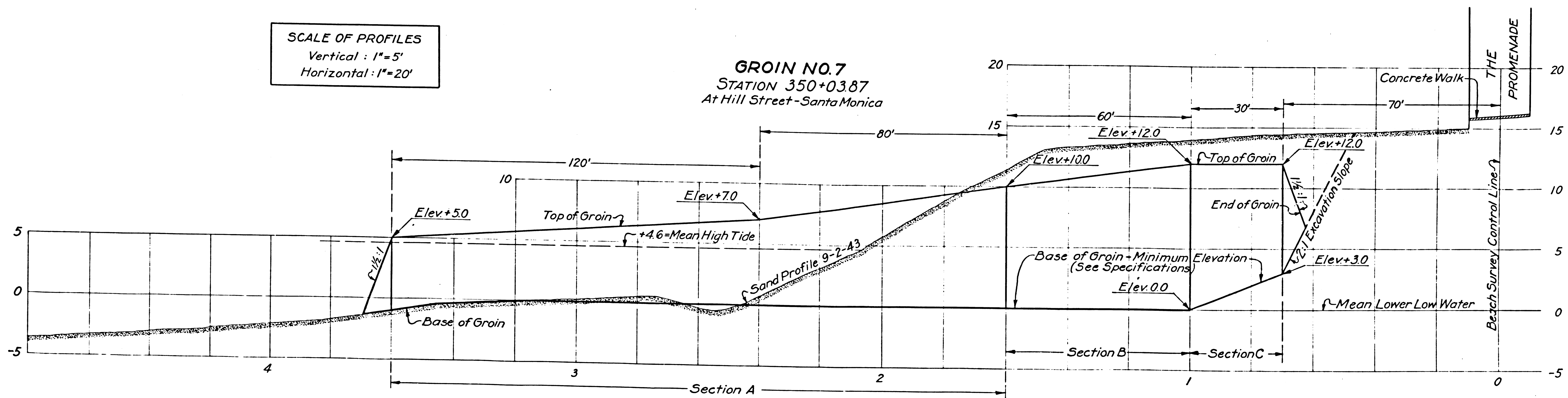
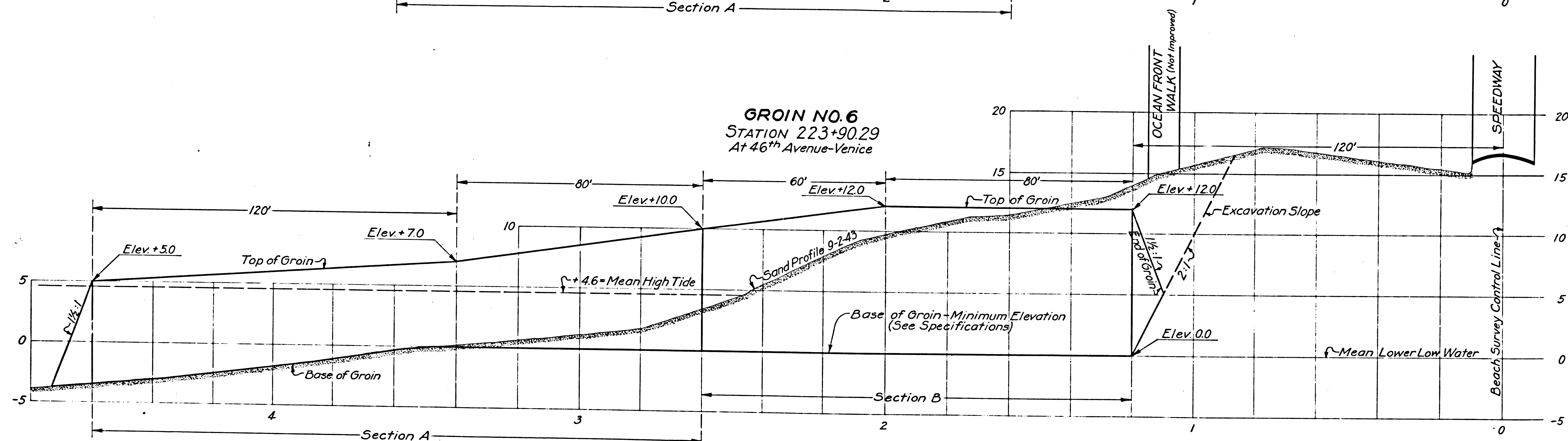
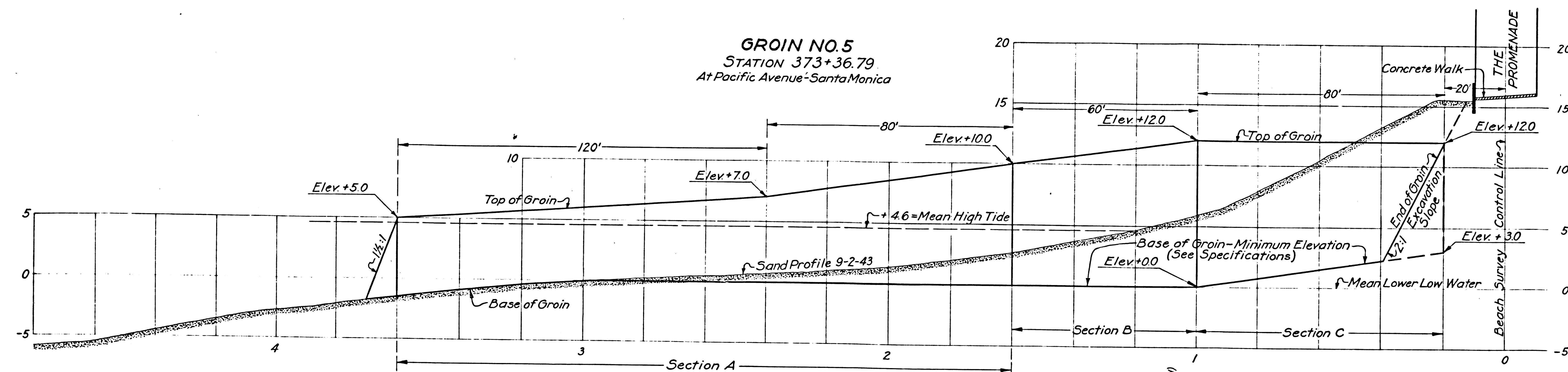
Stations of the groins are on the Los Angeles City Engineer's Beach Survey Control Line-Field Book 17726.

In the slope ratios indicated here on the first figure is the horizontal distance and the second figure the vertical height, as 1½:1.

For cross-sections of groins see Sheet No. 3.

GROIN NO. 2 - GROIN NO. 3 - GROIN NO. 4
IMPROVEMENT OF
SANTA MONICA AND VENICE BEACHES
SHEET 4 OF 5 SHEETS

F.M. 111783-4



SCALE OF PROFILES
Vertical : 1"=5'
Horizontal : 1"=20'

NOTES

Stations of the groins are on the Los Angeles City Engineer's Beach Survey Control Line - Field Books 17726 & 17727.

In the slope ratios indicated hereon the first figure is the horizontal distance and the second figure the vertical height, as 1½:1.

For cross-sections of groins see Sheet No. 3.

GROIN NO. 5 - GROIN NO. 6 - GROIN NO. 7
IMPROVEMENT OF
SANTA MONICA AND VENICE BEACHES
SHEET 5 OF 5 SHEETS

F.M. 11783-5