

LEGEND  
 BUILDING [Symbol]  
 TO BE SANDBAGGED [Symbol]

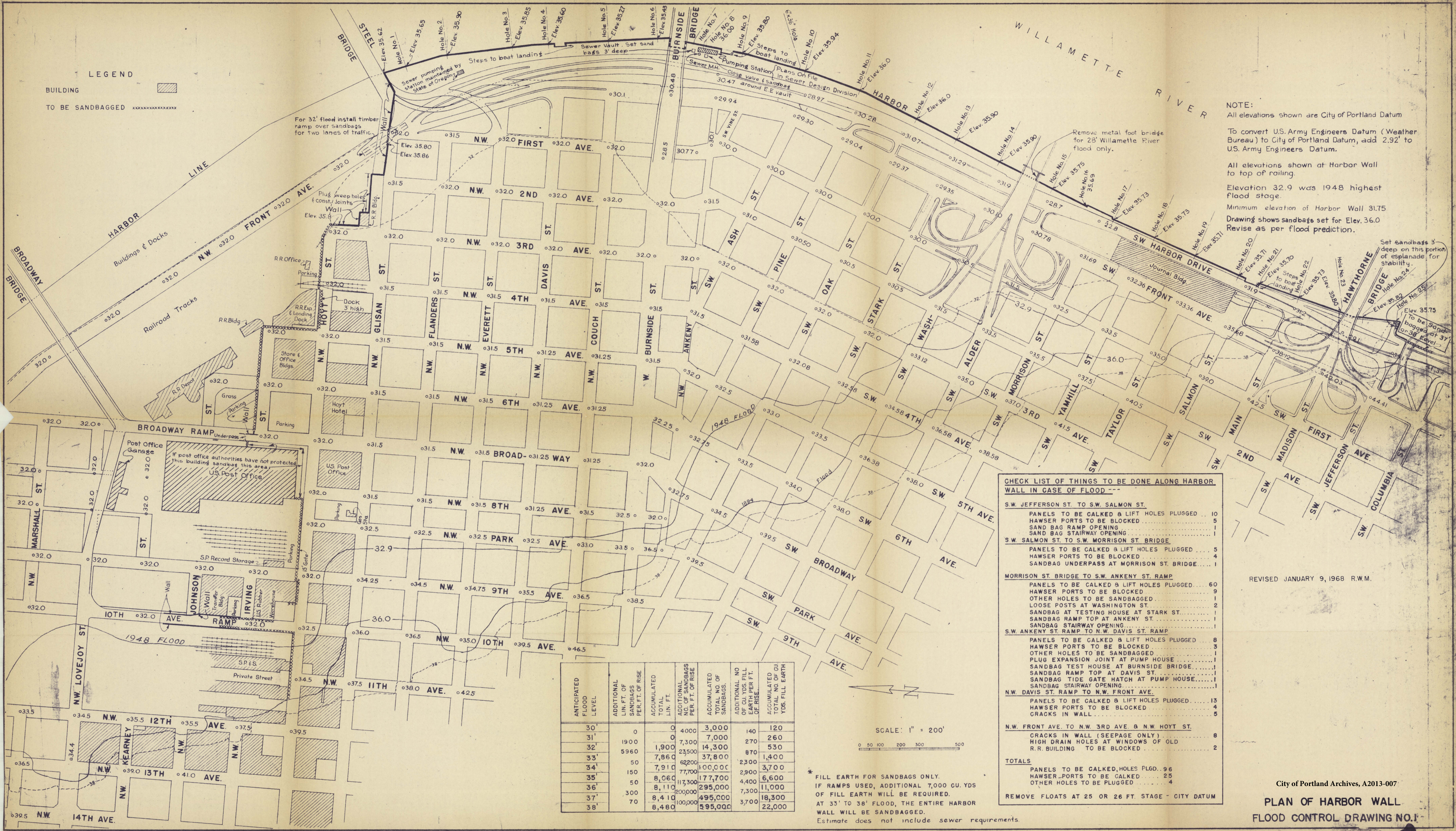
NOTE:  
 All elevations shown are City of Portland Datum

To convert U.S. Army Engineers Datum (Weather Bureau) to City of Portland Datum, add 2.92' to U.S. Army Engineers Datum.

All elevations shown at Harbor Wall to top of railing.

Elevation 32.9 was 1948 highest flood stage.

Minimum elevation of Harbor Wall 31.75  
 Drawing shows sandbags set for Elev. 36.0  
 Revise as per flood prediction.



**CHECK LIST OF THINGS TO BE DONE ALONG HARBOR WALL IN CASE OF FLOOD ---**

- S.W. JEFFERSON ST. TO S.W. SALMON ST.**
    - PANELS TO BE CALKED & LIFT HOLES PLUGGED ... 10
    - HAWSER PORTS TO BE BLOCKED ... 5
    - SAND BAG RAMP OPENING ... 1
    - SAND BAG STAIRWAY OPENING ... 1
  - S.W. SALMON ST. TO S.W. MORRISON ST. BRIDGE**
    - PANELS TO BE CALKED & LIFT HOLES PLUGGED ... 5
    - HAWSER PORTS TO BE BLOCKED ... 4
    - SANDBAG UNDERPASS AT MORRISON ST. BRIDGE ... 1
  - MORRISON ST. BRIDGE TO S.W. ANKENY ST. RAMP**
    - PANELS TO BE CALKED & LIFT HOLES PLUGGED ... 60
    - HAWSER PORTS TO BE BLOCKED ... 9
    - OTHER HOLES TO BE SANDBAGGED ... 1
    - LOOSE POSTS AT WASHINGTON ST. ... 2
    - SANDBAG AT TESTING HOUSE AT STARK ST. ... 1
    - SANDBAG RAMP TOP AT ANKENY ST. ... 1
    - SANDBAG STAIRWAY OPENING ... 1
  - S.W. ANKENY ST. RAMP TO N.W. DAVIS ST. RAMP**
    - PANELS TO BE CALKED & LIFT HOLES PLUGGED ... 8
    - HAWSER PORTS TO BE BLOCKED ... 3
    - OTHER HOLES TO BE SANDBAGGED ... 1
    - PLUG EXPANSION JOINT AT PUMP HOUSE ... 1
    - SANDBAG TEST HOUSE AT BURNSIDE BRIDGE ... 1
    - SANDBAG RAMP TOP AT DAVIS ST. ... 1
    - SANDBAG TIDE GATE HATCH AT PUMP HOUSE ... 1
    - SANDBAG STAIRWAY OPENING ... 1
  - N.W. DAVIS ST. RAMP TO N.W. FRONT AVE.**
    - PANELS TO BE CALKED & LIFT HOLES PLUGGED ... 13
    - HAWSER PORTS TO BE BLOCKED ... 4
    - CRACKS IN WALL ... 5
  - N.W. FRONT AVE. TO N.W. 3RD AVE. & N.W. HOYT ST.**
    - CRACKS IN WALL (SEEPAGE ONLY) ... 8
    - HIGH DRAIN HOLES AT WINDOWS OF OLD R.R. BUILDING TO BE BLOCKED ... 2
  - TOTALS**
    - PANELS TO BE CALKED, HOLES PLGD. ... 96
    - HAWSER PORTS TO BE CALKED ... 25
    - OTHER HOLES TO BE PLUGGED ... 4
- REMOVE FLOATS AT 25 OR 26 FT. STAGE - CITY DATUM

ANTICIPATED FLOOD LEVEL	ADDITIONAL LIN. FT. OF SANDBAGS PER FT. OF RISE	ACCUMULATED TOTAL LIN. FT.	ADDITIONAL NO. OF SANDBAGS PER FT. OF RISE	ACCUMULATED TOTAL NO. OF SANDBAGS	ADDITIONAL NO. OF CU. YDS. FILL EARTH PER FT. OF RISE	ACCUMULATED TOTAL NO. OF CU. YDS. FILL EARTH
30'	0	0	4,000	3,000	140	120
31'	1900	1,900	7,300	7,000	270	260
32'	5960	7,860	23,500	14,300	870	530
33'	50	7,910	62,200	37,800	2,300	1,400
34'	150	8,060	77,700	100,000	2,900	3,700
35'	50	8,110	117,300	177,700	4,400	6,600
36'	50	8,160	200,000	295,000	7,300	11,000
37'	300	8,460	100,000	495,000	3,700	18,300
38'	70	8,480	100,000	595,000	3,700	22,000

\* FILL EARTH FOR SANDBAGS ONLY.  
 IF RAMPS USED, ADDITIONAL 7,000 CU. YDS. OF FILL EARTH WILL BE REQUIRED.  
 AT 33' TO 38' FLOOD, THE ENTIRE HARBOR WALL WILL BE SANDBAGGED.  
 Estimate does not include sewer requirements.

REVISED JANUARY 9, 1968 R.W.M.