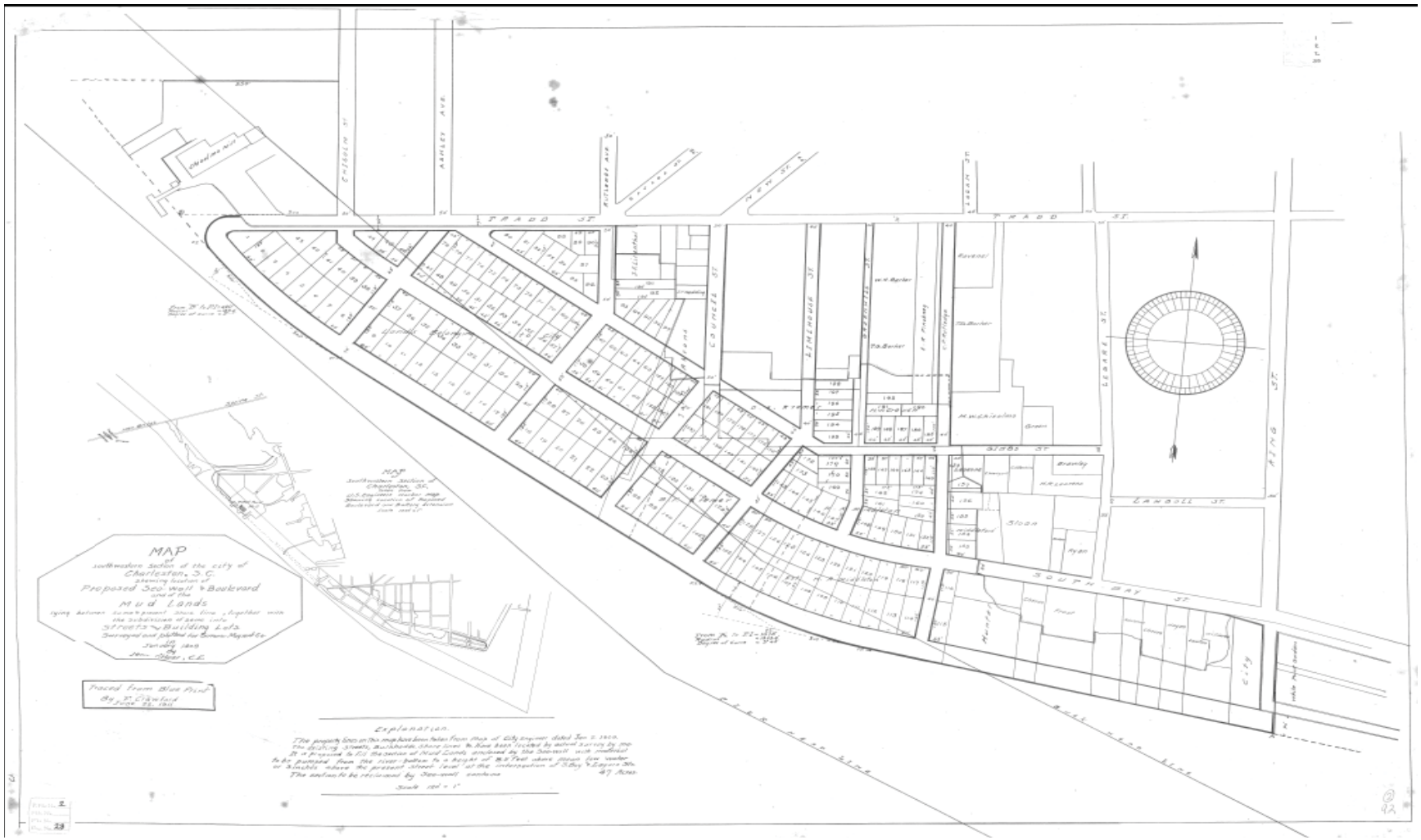
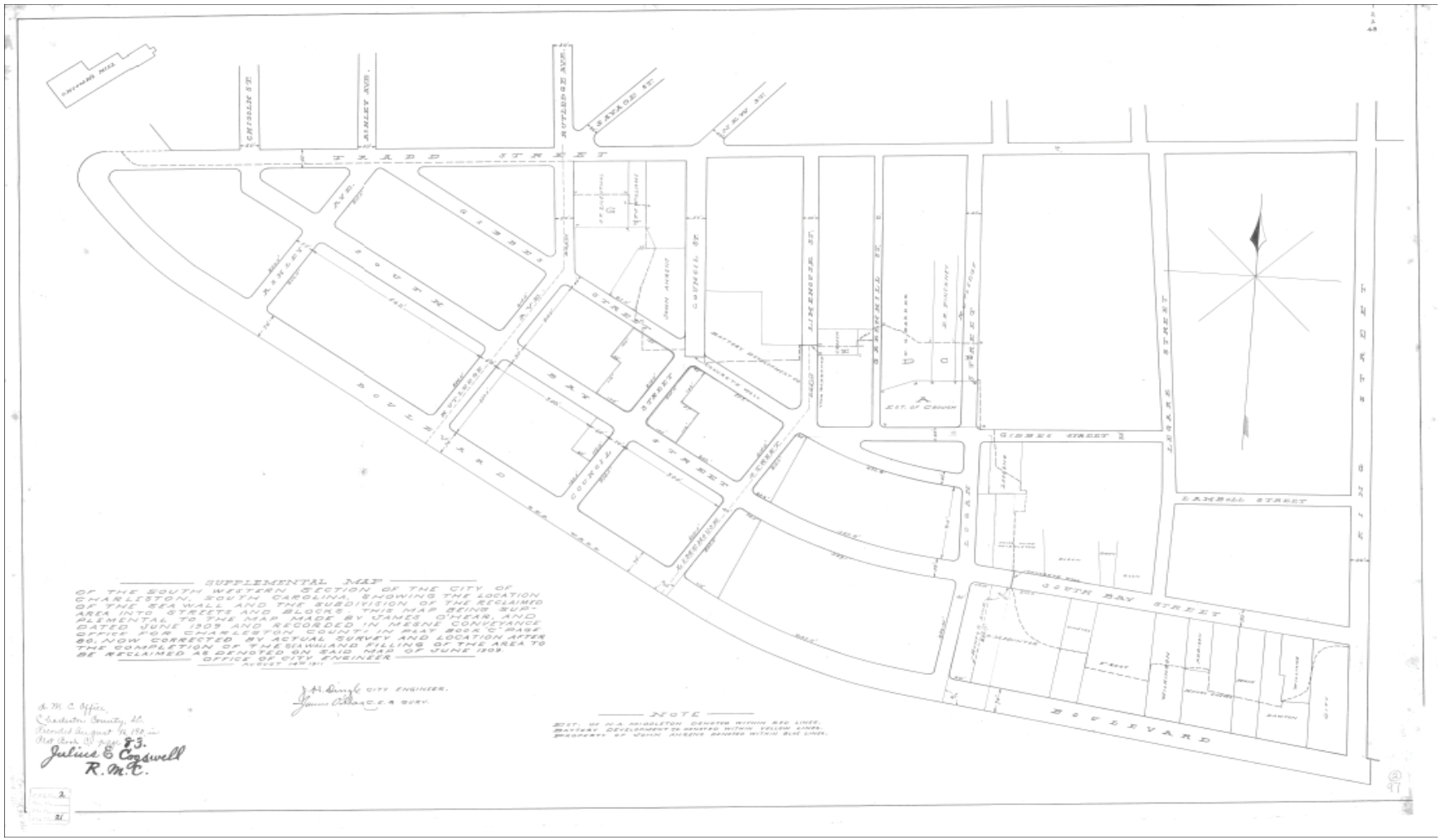
Appendix E

Charleston Seawall Repairs:
The Low battery Seawall Rehabilitation Project

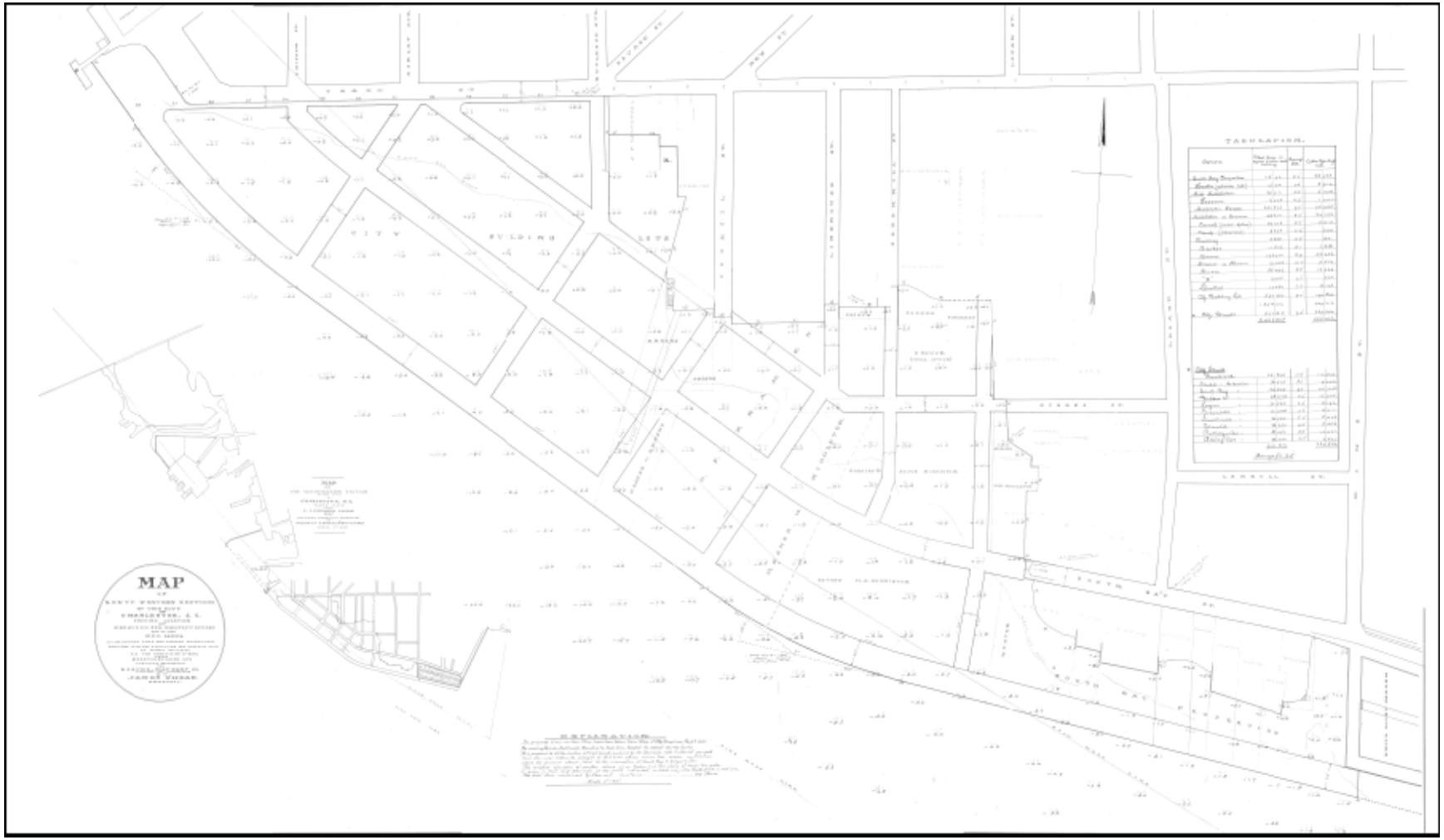


Proposed Seawall and Boulevard

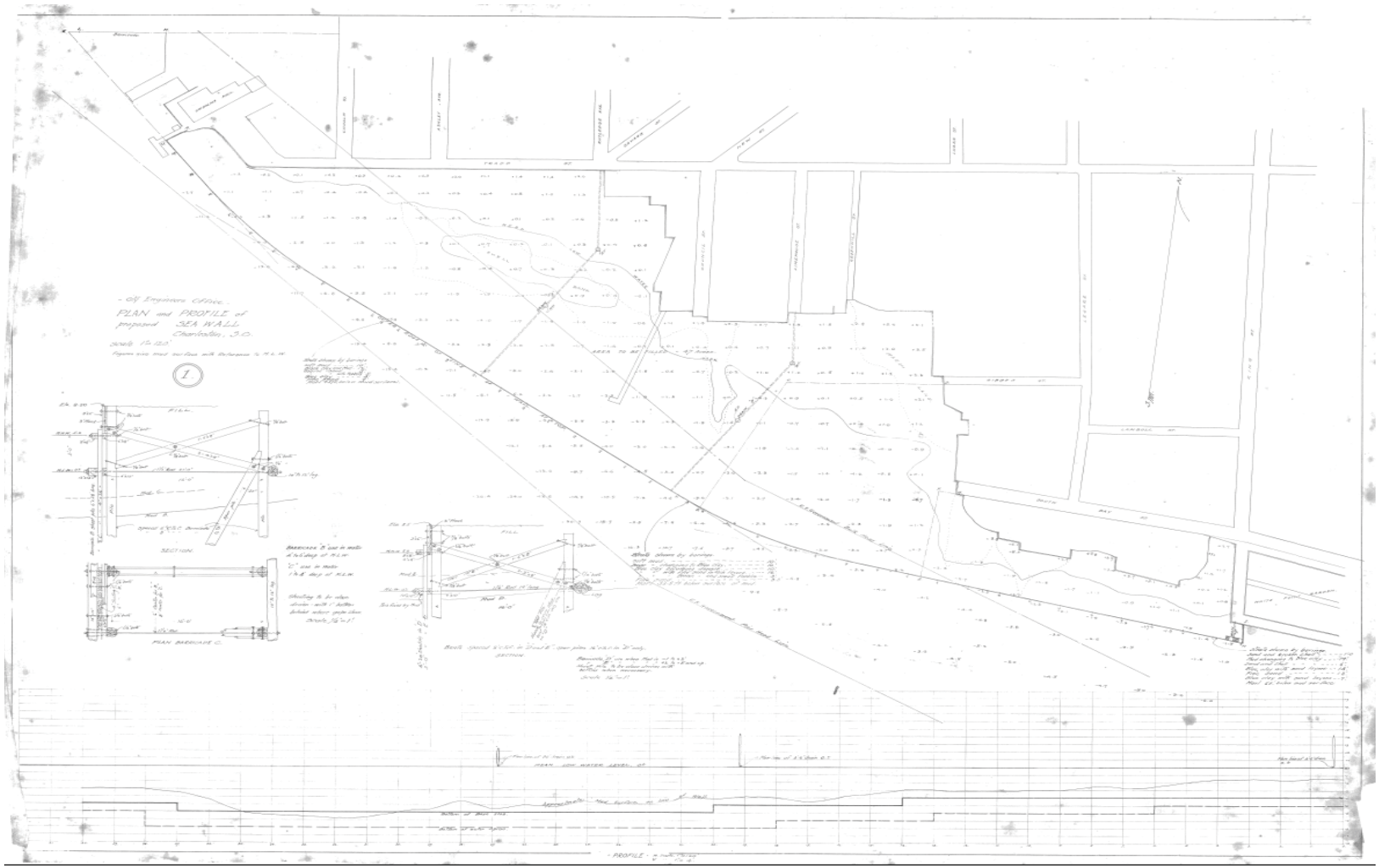
Survey of Work
Dated 5-3-1911



As-Built Layout
Dated 8-14-1911



Plan with Existing Elevations and Fill Depth



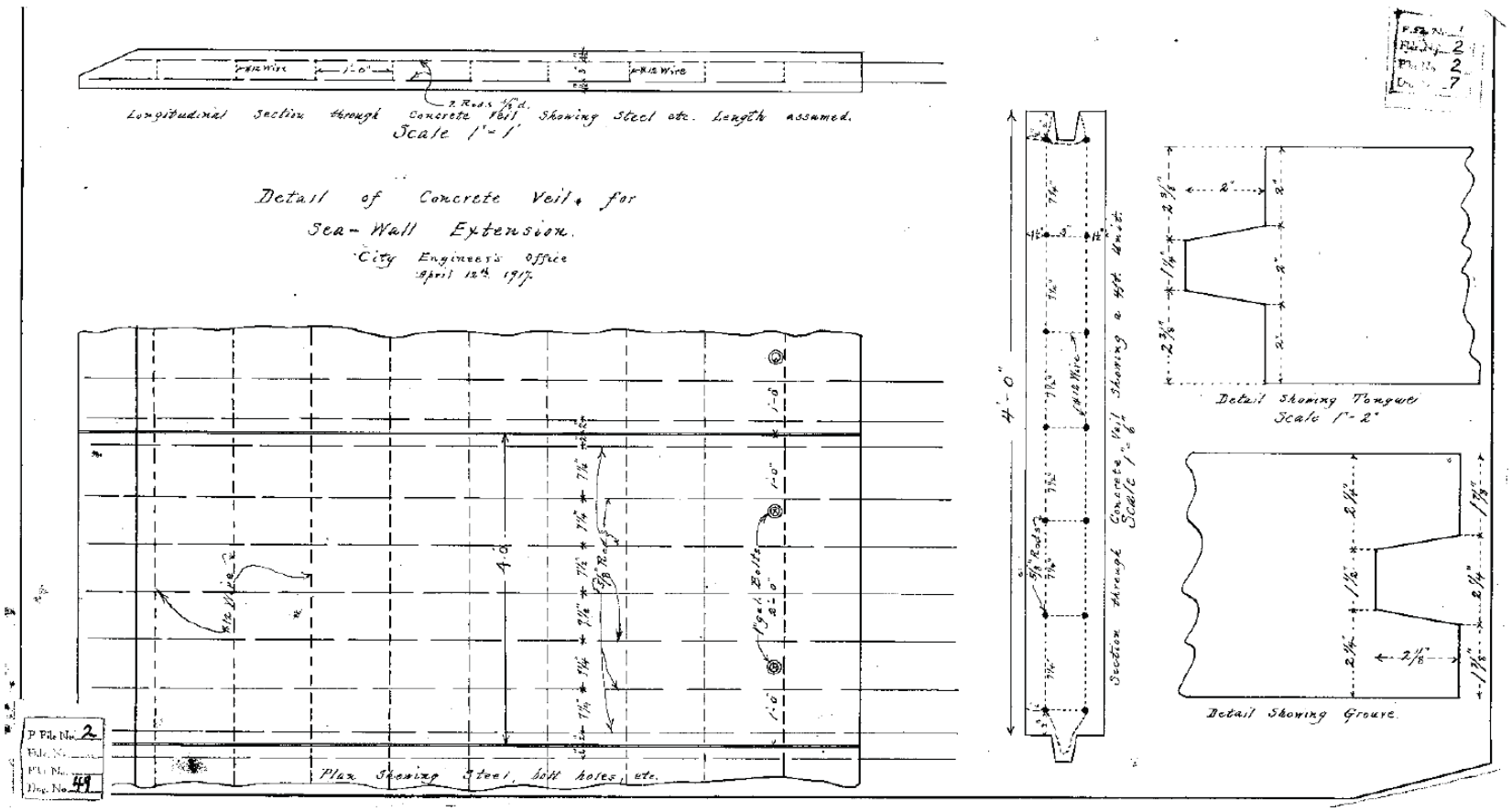
Plan & Profile of Proposed Seawall

TEST PILES FOR SEA WALL - CHARLESTON, S.C. APRIL. 1909.
3000 lb. Hammer - Fall 10 FT.

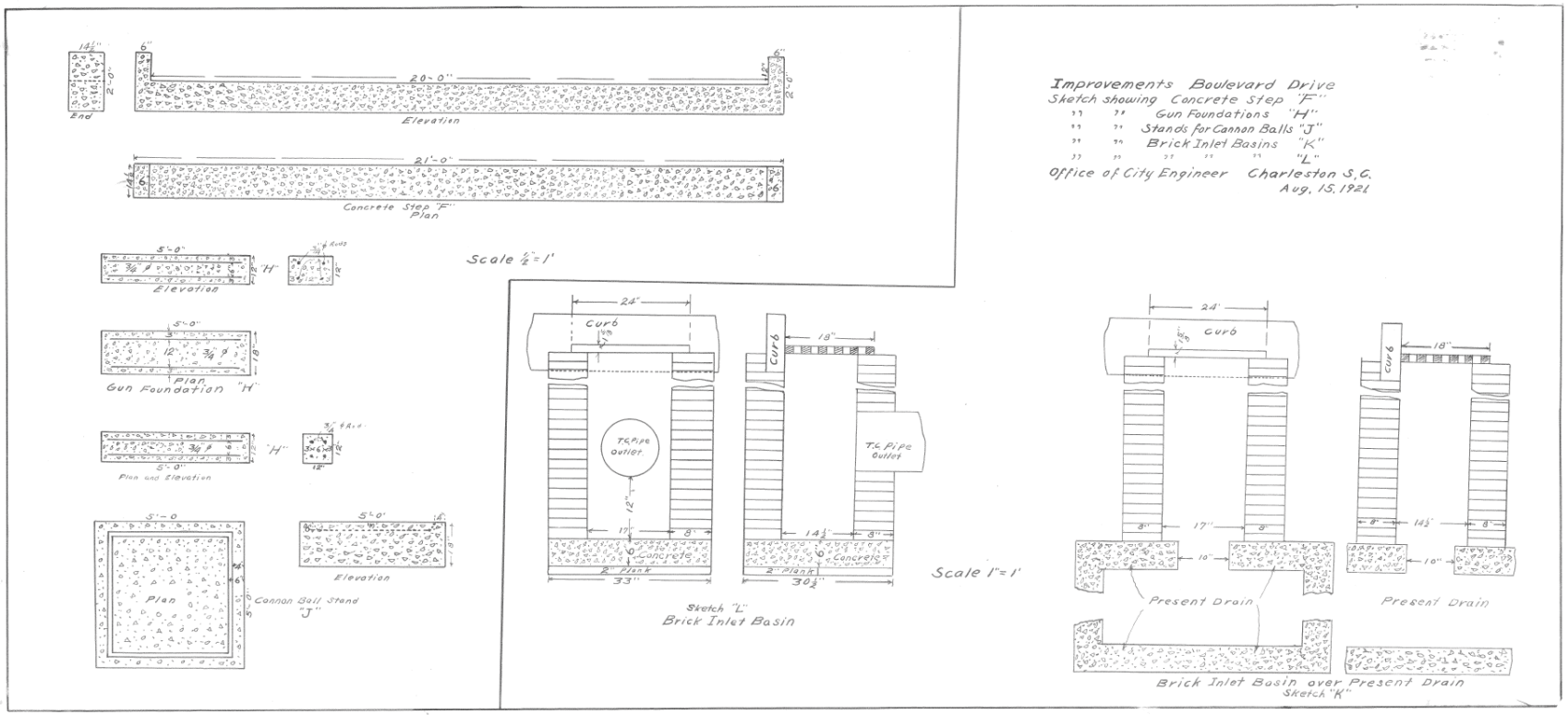
1st PILE.	2nd PILE	3rd PILE	4th PILE	5th PILE.
Location near Sta. 1.	Location near Sta. 22.	Location near Sta. 27.	Location near Sta. 32.	Location bet. Sta. 35-36.
LENGTH 51'.	LENGTH 62'.	LENGTH 61.	LENGTH 51'.	LENGTH. 61'.
DIA. AT POINT 7"	DIA. AT POINT 6½"	DIA. AT POINT 9"	DIA. AT POINT 7"	DIA. AT POINT 8"
Penetration wt. of Pile 0'-0"	Penetration wt. of Pile 17'-10½	Penetration wt. of Pile 11'-11"	Penetration wt. of Pile 8'-0"	Penetration wt. of Pile 13'-7"
" " " " 5 hammer 3'-0"	" " " " 5 hammer 2'-0"	" " " " 5 hammer 3'-9"	" " " " 5 hammer 11'-8"	" " " " 5 hammer. 6'-6"
" 2 blows of " 6'-0"	" 8 blows of " 4'-2"	" 4 blows of " 5'-1"	" 1 blow of " 2'-10"	" 3 blows of " 4'-5"
" 2 " " " 5'-6"	" 4 " " " 0'-2"	" 12 " " " 2'-0½"	" 12 " " " 2'-7½"	" 12 " " " 2'-0¼"
" 1 " " " 3'-6"	" 4 " " " 0'-5¼"	" 10 " " " 1'-2"	" 12 " " " 1'-2"	" 12 " " " 2'-2"
" 8 " " " 4'-1½"	" 4 " " " 0'-2½"	" 12 " " " 1'-3½"	" 12 " " " 1'-2¼"	" 12 " " " 3'-9½"
" 13 " " " 3'-6"	" 4 " " " 0'-7¾"	" 13 " " " 1'-3¼"	" 12 " " " 0'-11½"	" 12 " " " 2'-1½"
" 11 " " " 3'-5"	" 4 " " " 3'-1¼"	" 12 " " " 1'-2"	" 12 " " " 0'-9"	" 12 " " " 2'-8¾"
" 14 " " " 3'-9"	" 4 " " " 1'-11½"	* " 10 " " " 2'-8"	" 12 " " " 1'-1"	" 12 " " " 3'-2¾"
" 10 " " " 2'-2½"	" 4 " " " 2'-10½"	" 12 " " " 1'-9½"	" 12 " " " 1'-3¾"	" 12 " " " 2'-0½"
" 1 " " " 0'-1¼"	" 1 " " " 0'-5"	" 12 " " " 1'-8¾"	" 12 " " " 1'-1½"	" 12 " " " 1'-6"
" 1 " " " 0'-3¾"	" 1 " " " 0'-1"	" 13 " " " 1'-6¾"	" 12 " " " 1'-1½"	" 12 " " " 1'-5"
" 1 " " " 0'-3½"	" 1 " " " 0'-1"	" 12 " " " 1'-4"	" 12 " " " 1'-0"	" 12 " " " 1'-0"
" 1 " " " 0'-0½"	" 1 " " " 0'-0¾"	" 12 " " " 1'-6"	" 1 " " " 0'-0½"	" 1 " " " 0'-0½"
" 1 " " " 0'-1½"	" 1 " " " 0'-1"	" 6 " " " 0'-8"	" 1 " " " 0'-0½"	" 1 " " " 0'-0½"
" 1 " " " 0'-1¼"	" 1 " " " 0'-2"	" 12 " " " 0'-10"	" 1 " " " 0'-0½"	" 1 " " " 0'-0¾"
" 1 " " " 0'-2"	" 1 " " " 0'-0½"	" 12 " " " 0'-5"	" 1 " " " 0'-0¾"	" 1 " " " 0'-0½"
" 12 " " " 1'-4"	" 6 " " " 0'-6"	" 12 " " " 0'-3½"	" 1 " " " 0'-0½"	" 1 " " " 0'-0½"
Depth driven =	" 4 " " " 0'-1½"	Depth driven	Depth driven	" 1 " " " 0'-0¾"
below mud = 37'-5¾"	Depth driven	below mud = 40'-5¾"	below mud = 35'-0¾"	" 1 " " " 0'-0½"
	below mud = 35'-0"			" 1 " " " 0'-0¾"
		* Indicates 20' drop.		" 1 " " " 0'-0¾"
				" 1 " " " 0'-0½"
				" 1 " " " 0'-0½"
				Depth driven
				below mud = 47'-0¾"

Pile Driving Log

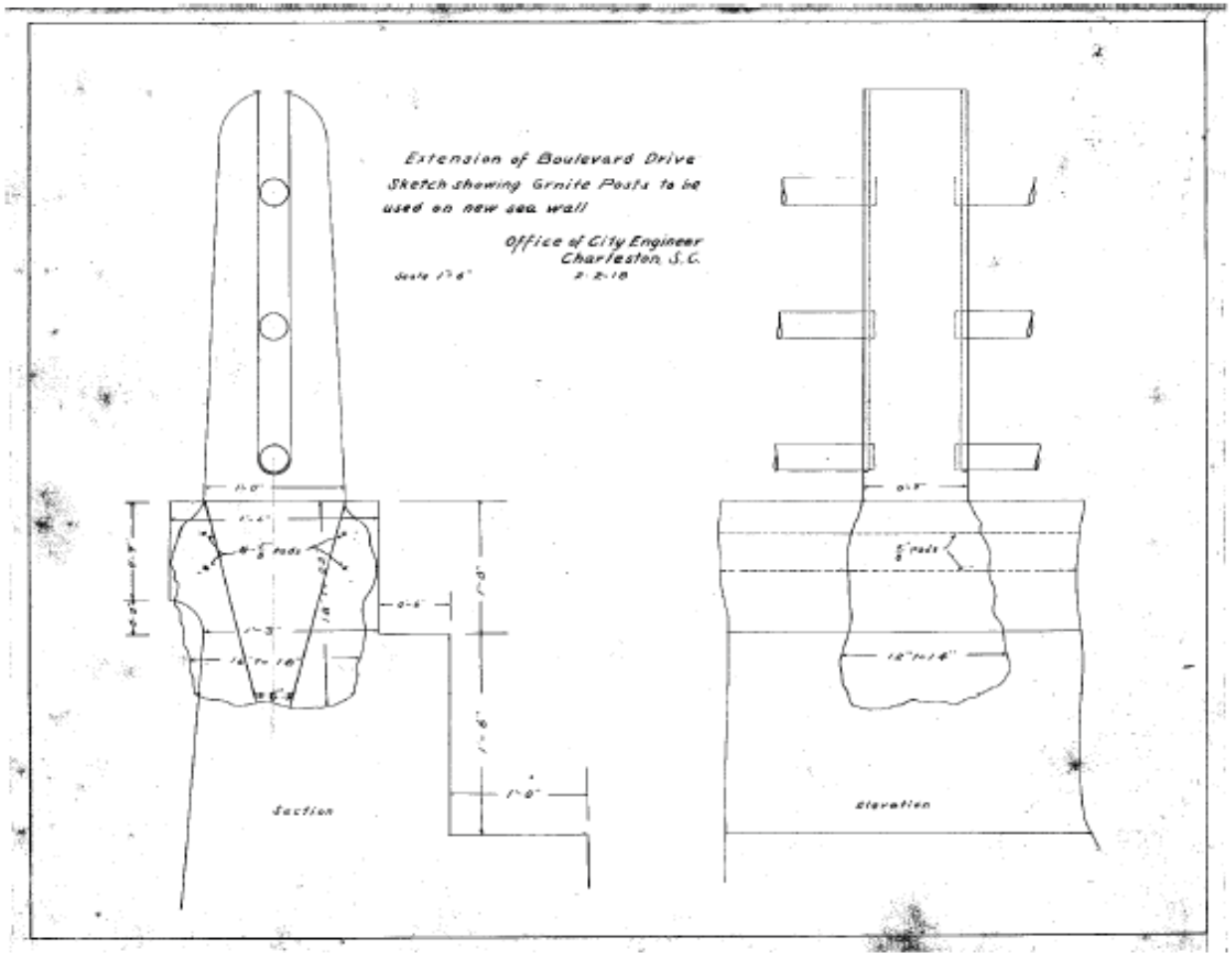
Dated 1909



Reinforced Concrete Veil Details
Dated 1917

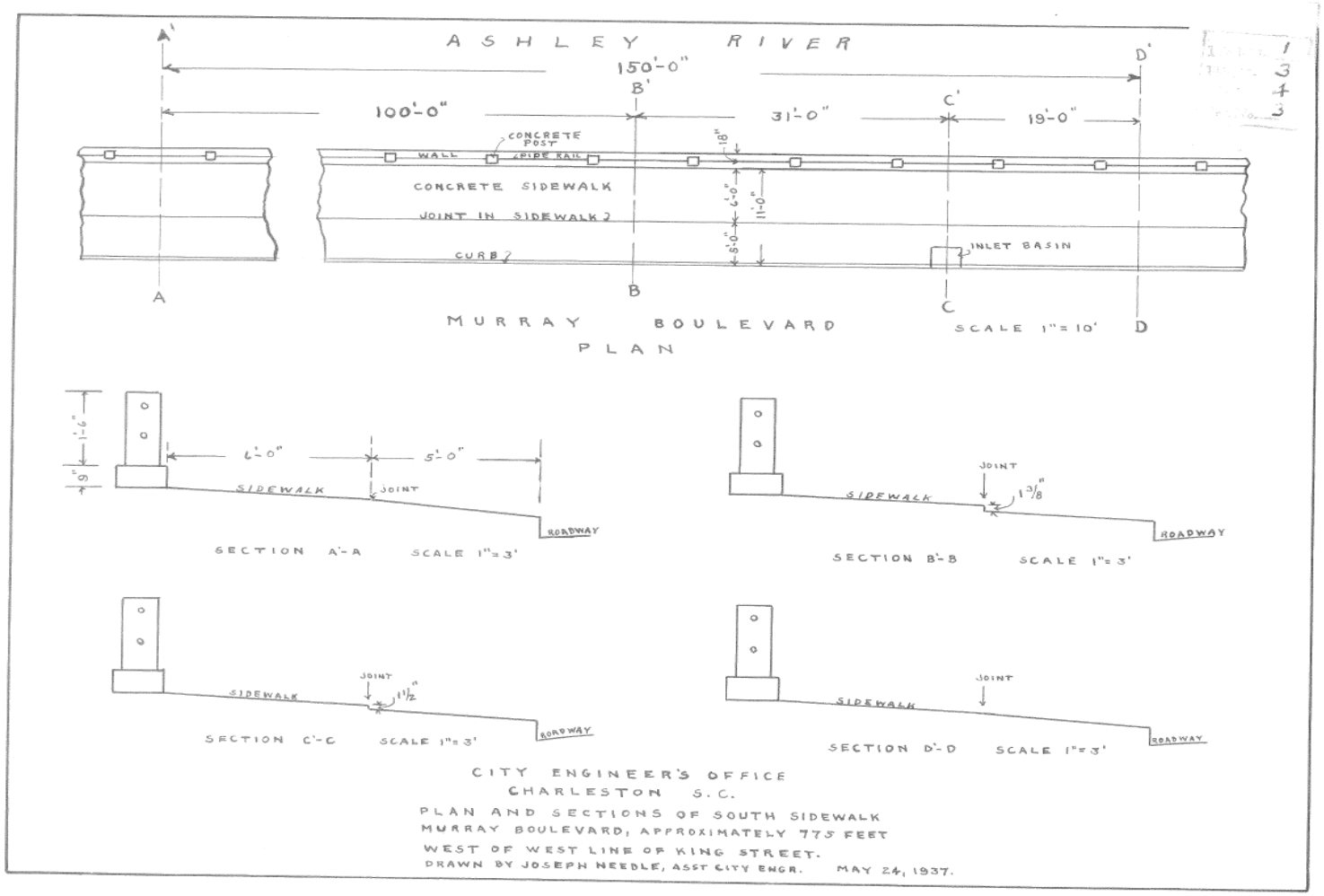


Drop Inlet Details
Dated 1921

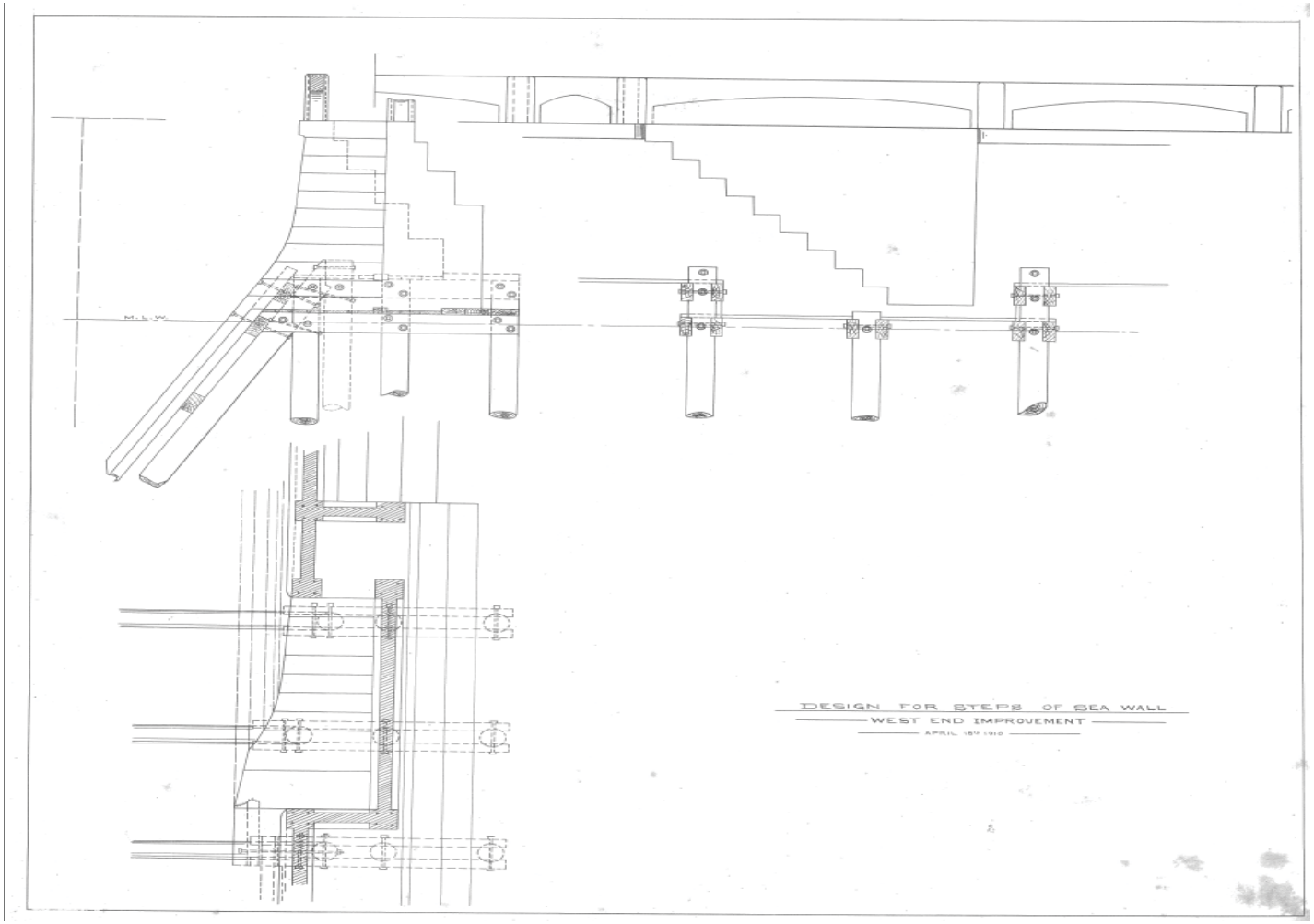


Granite post details
Dated 1918

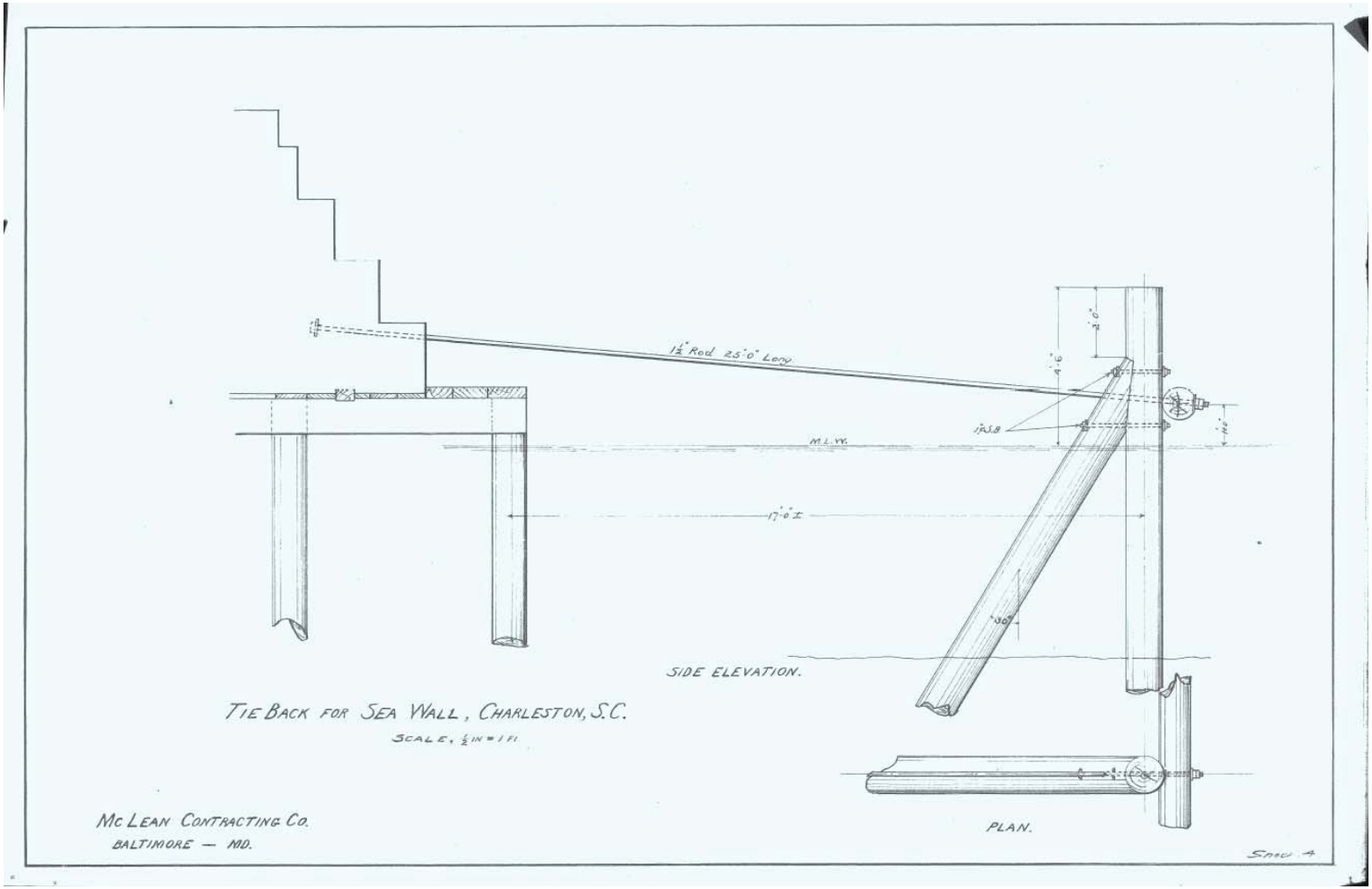
Charleston Seawall Repairs:
The Low battery Seawall Rehabilitation Project



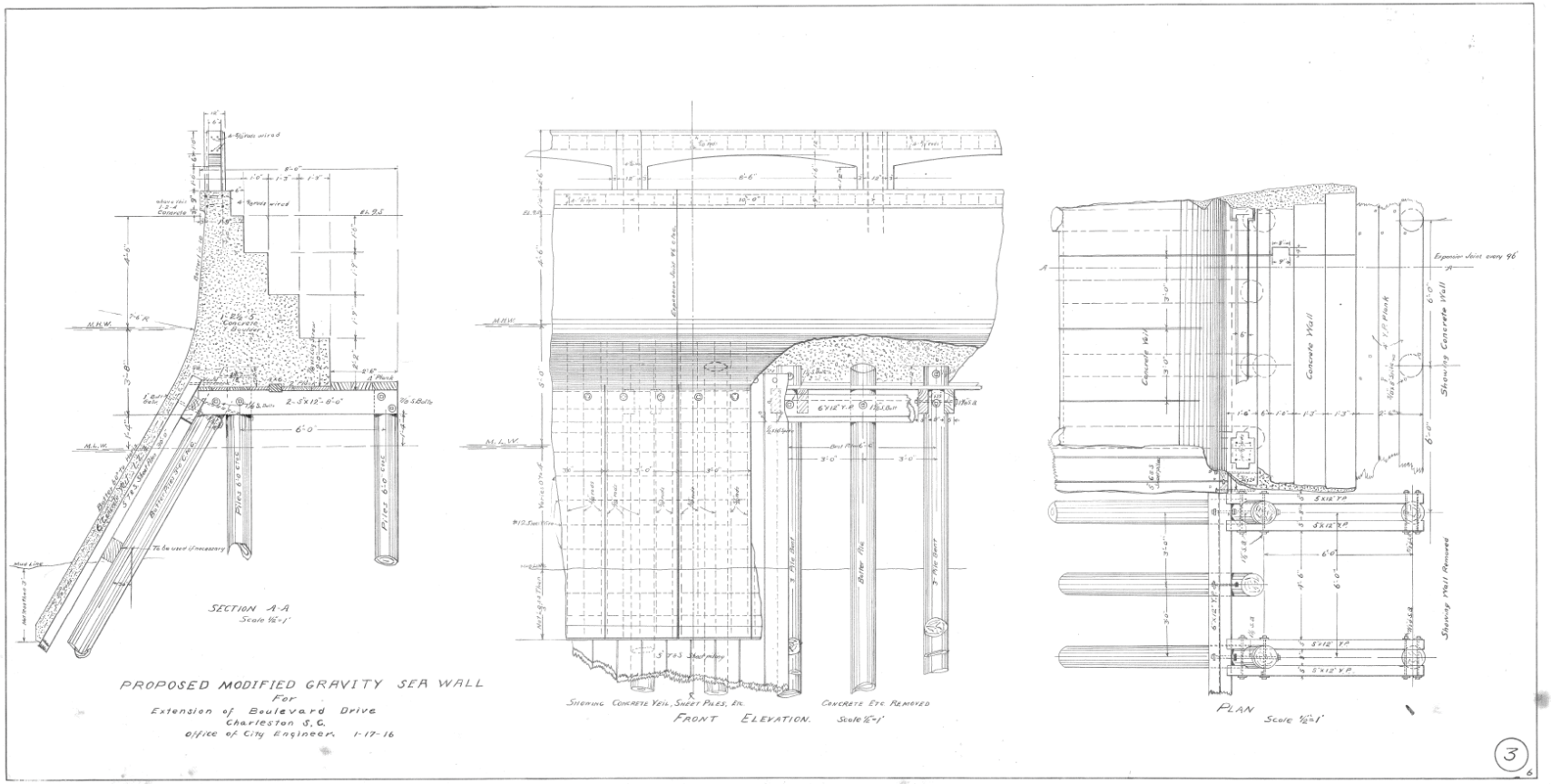
Sidewalk sections
Dated 1937



Existing Stair Section/Elevation & Plan
Dated 1910



Tie-back Detail
Undated



Wall Section/Elevation & Plan
Dated 1916