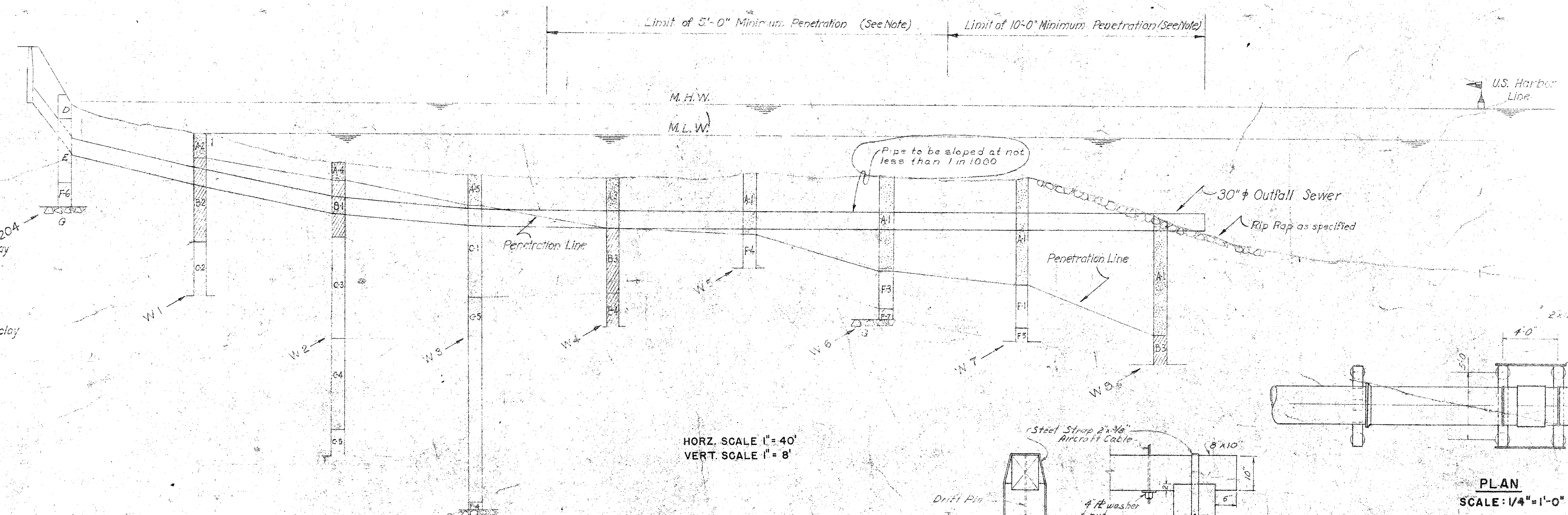
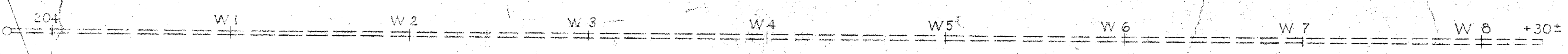
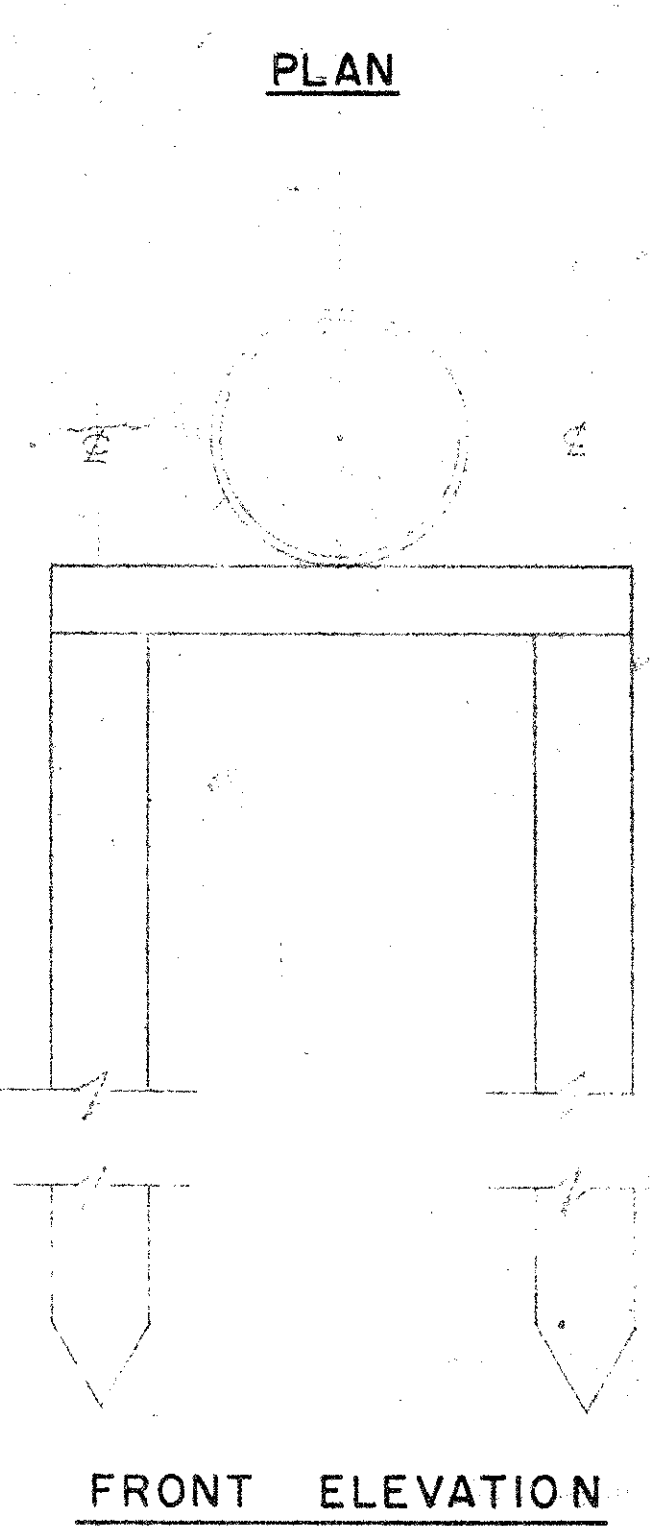
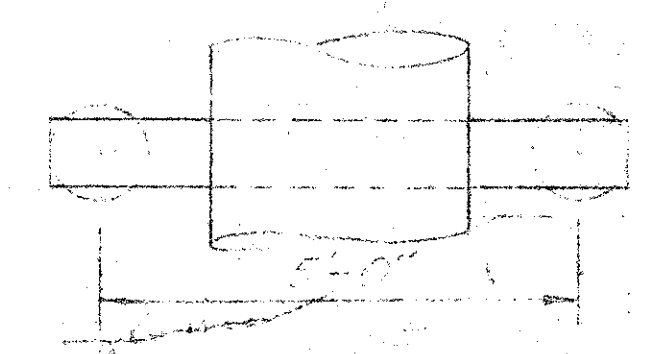


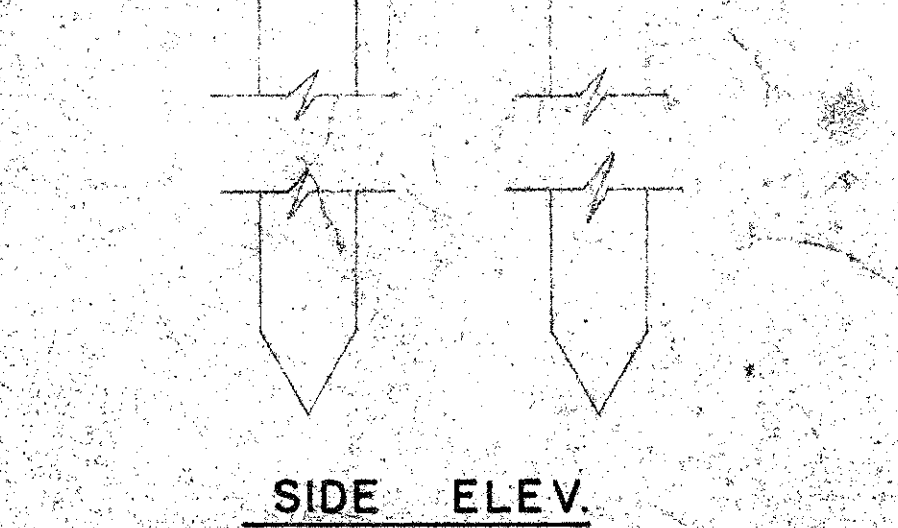
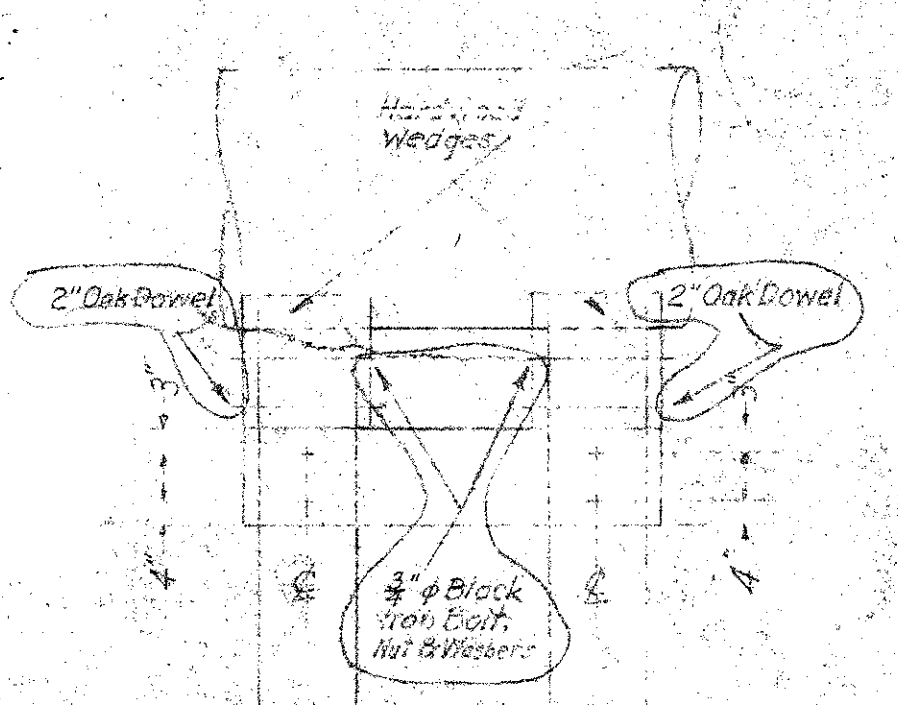
No.1 The exact point at which the pipe begins to be supported by piers to be determined on the site.  
 No.2 Exact length of the outfall sewer will be determined by the field.  
 No.3 Penetration Line as indicated on this profile represents the approximate upper limit of suitable pile bearing strata. The exact elevation of this limit will be determined in the field and the pile penetration will be from this elevation a distance of 10'-0" over the length to be piled. The pipe will be supported throughout by a pile bent of each pipe joint and the end of the pipe will be supported by a pile pier.  
 No.4 The Outfall Sewer shall be Standardized Mechanical Joint 30" Dia. Class "C" as specified.  
 No.5 All timber for bracing and piles shall be as specified.  
 No.6 Aircraft cables shall be 1/4" 7/16" U.S. Compression Rods as specified by American Steel and Wire or approved equal.  
 No.8 All nails used to secure bracing and steel straps shall be 6" long.



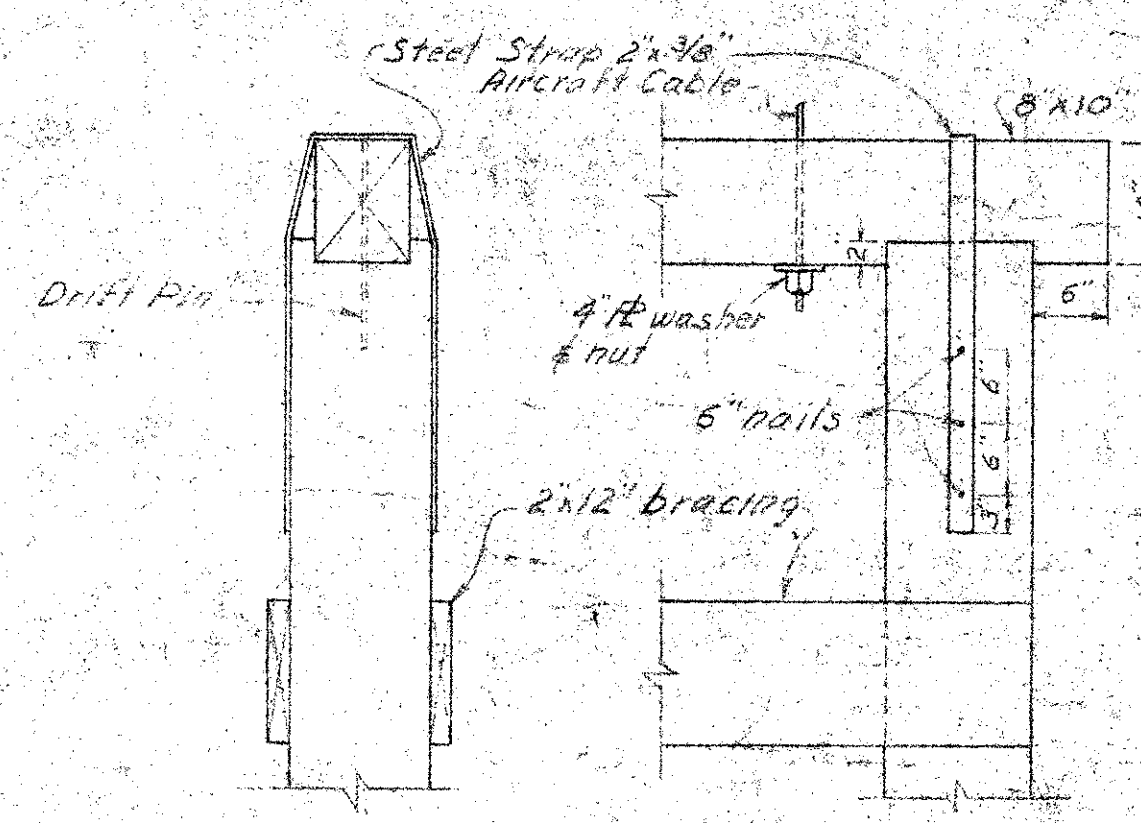
- Soiling Key**
- A-1 Soft silt
  - A-2 Soft silty sand
  - A-3 Soft silty sand
  - A-4 Silty sand
  - A-5 Silt and fine sand
  - B-1 Soft fine sand and silty clay
  - B-2 Soft fine sand and silt
  - B-3 Fine sand and clay
  - B-4 Fine sand and little clay
  - C-1 Firm fine sand and little clay
  - C-2 Hard fine sand and little clay
  - C-3 Hard fine sand and very little clay
  - C-4 Hard fine sand
  - C-5 Hard fine compacted sand and very little clay
  - D Loose coarse sand and gravel bank fill
  - E Soft gray clay and fine sand
  - F-1 Sand gravel little clay
  - F-2 Hard coarse sand gravel
  - F-3 Firm coarse sand and gravel
  - F-4 Hard coarse sand and gravel very little clay
  - F-5 Hard coarse gravel little clay
  - F-6 Hard sand coarse gravel little clay
  - F-7 Hardpan sand gravel very little clay
  - G Retinal



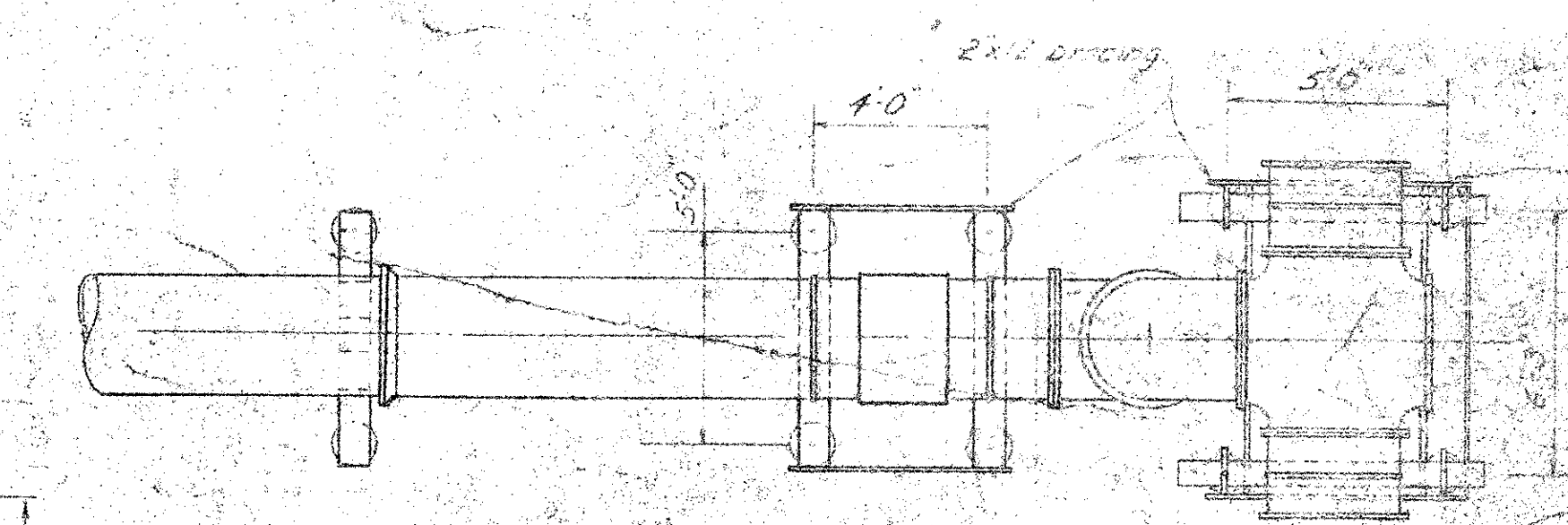
**TYPICAL PILE BENT**  
SCALE 1/2" = 1'-0"



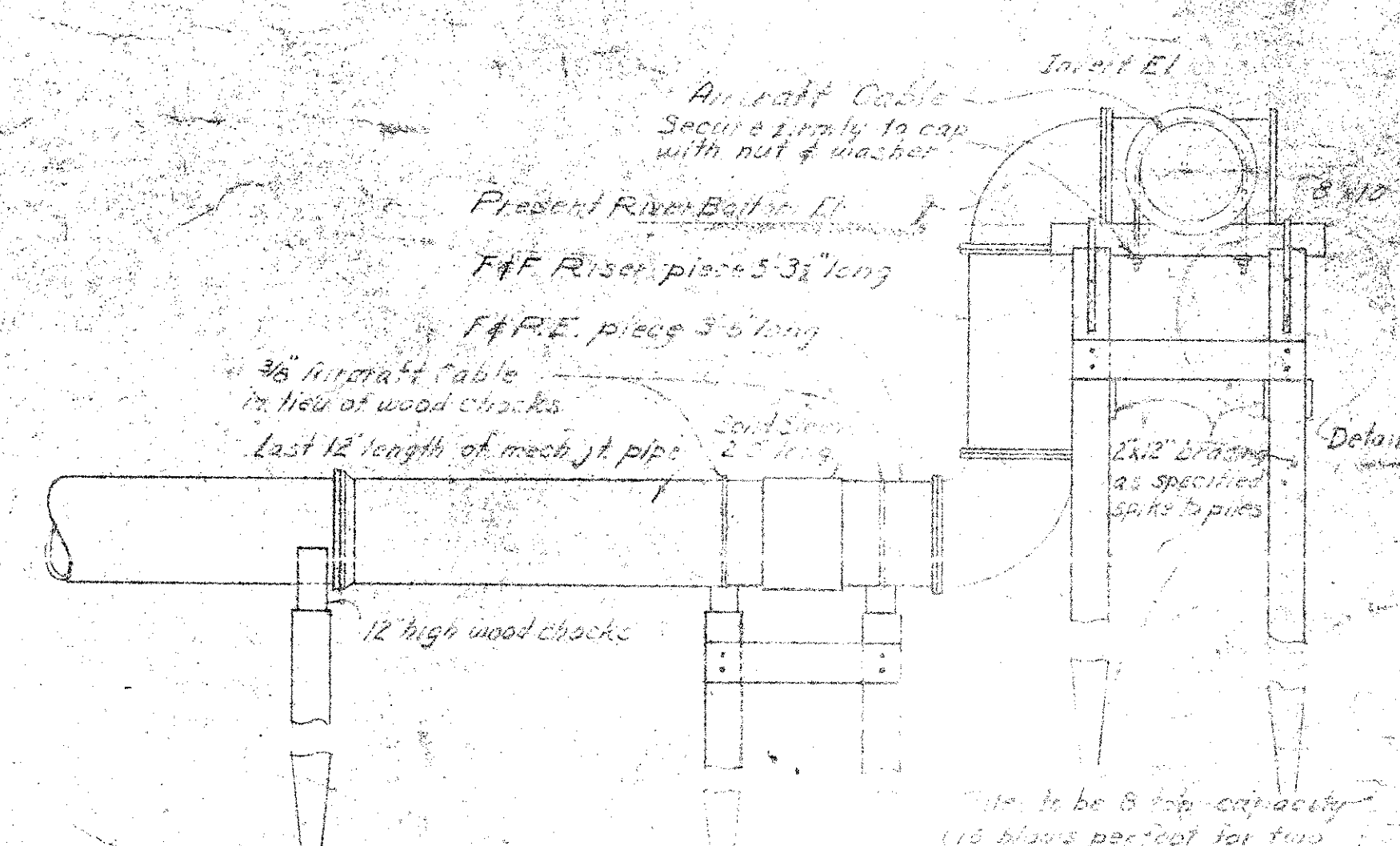
**PILE PIER TO SUPPORT END OF PIPE**  
SCALE 1/2" = 1'-0"



**DETAIL "A"**  
SCALE 3/4" = 1'-0"

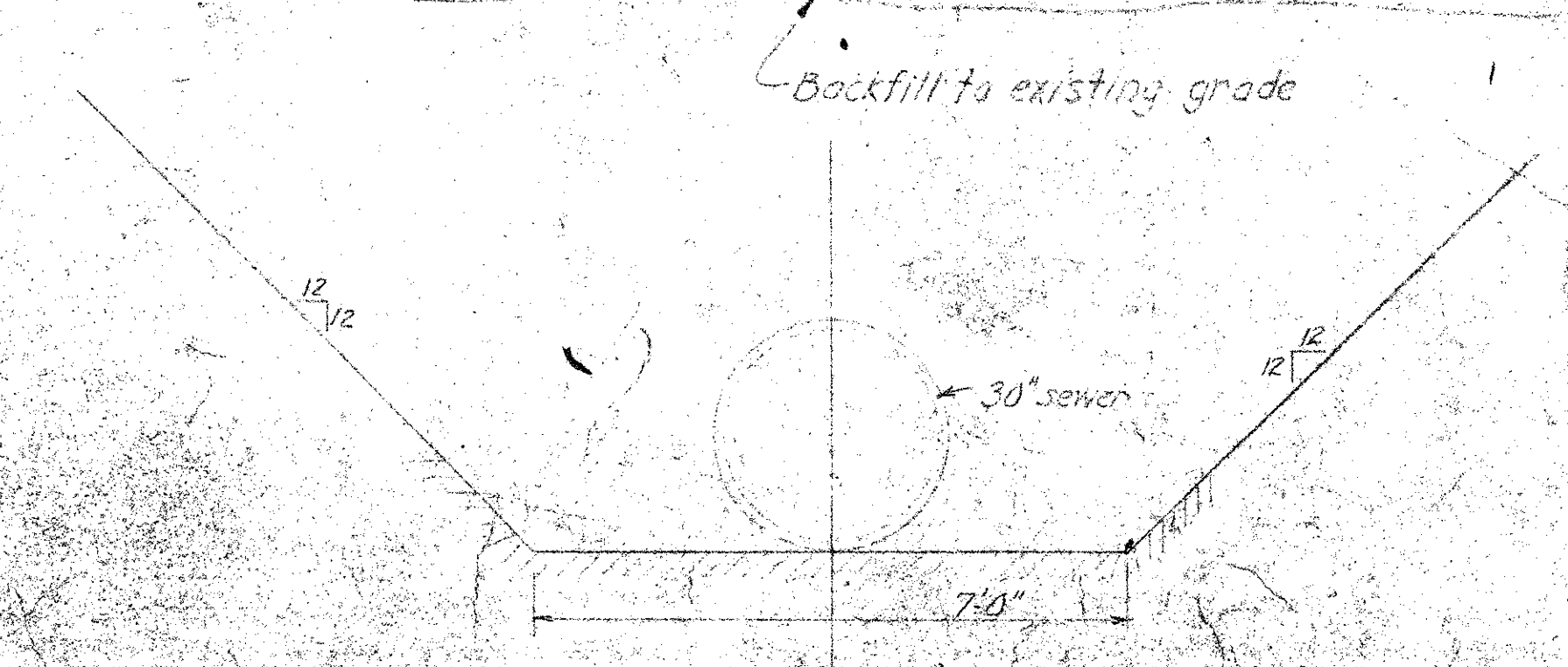


**PLAN**  
SCALE 1/4" = 1'-0"



**ELEVATION**  
SCALE 1/4" = 1'-0"

**DETAILS OF OUTLET**



**TYPICAL TRENCH SECTION**

Revised Details of Outfall 7/23/59  
 Prepared by THIS OFFICE 5/11/59

TOWN OF EAST PROVIDENCE R. I.  
 SEWAGE TREATMENT PLANT

**OUTFALL SEWER**

CHARLES A. MACHUGA & ASSOCIATES  
 ENGINEERS  
 PROVIDENCE, R. I.      BOSTON, MASS.