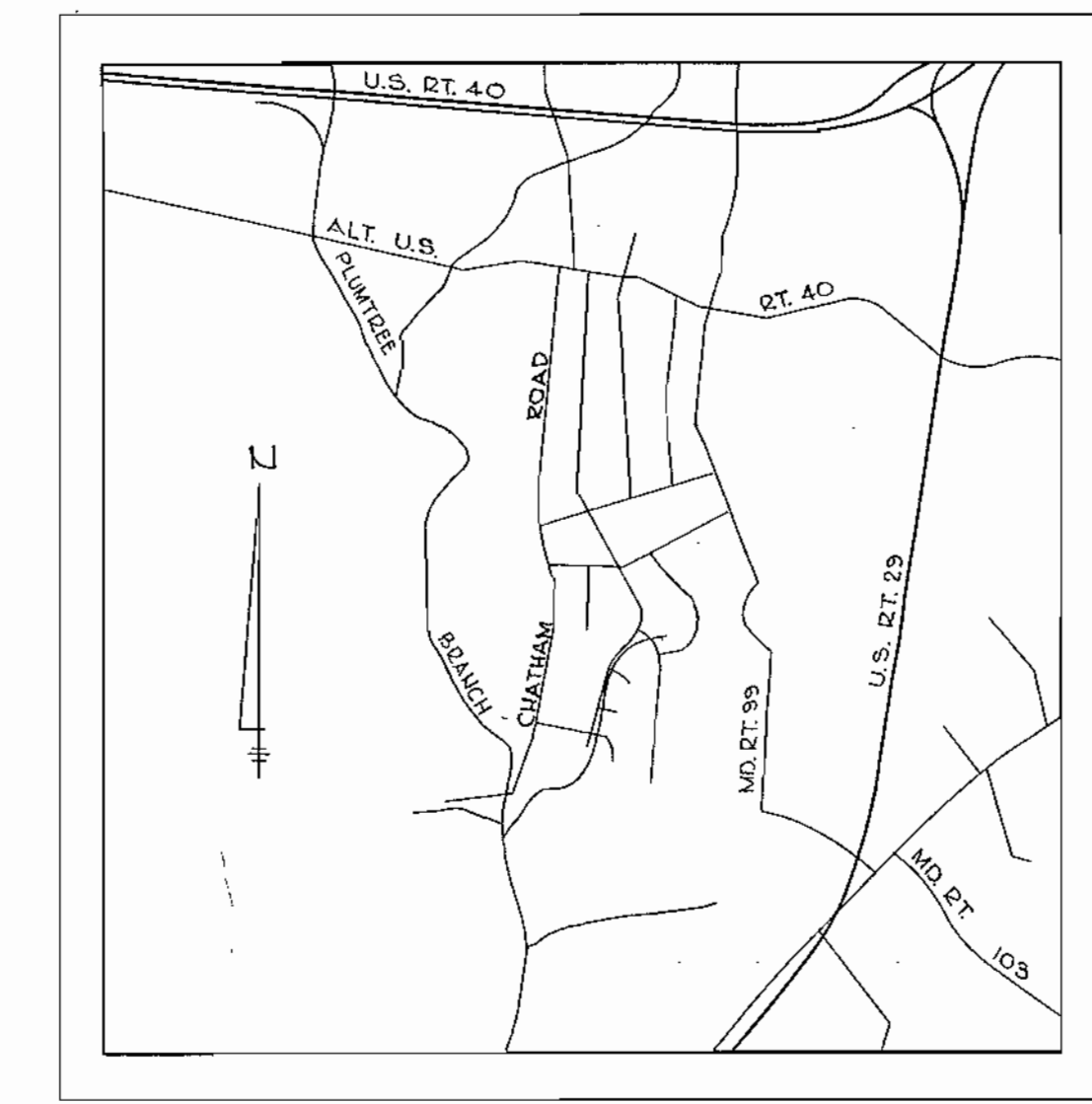


**GENERAL NOTES**

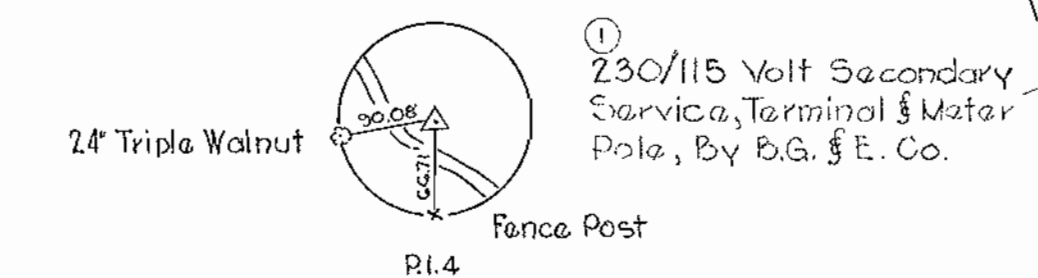
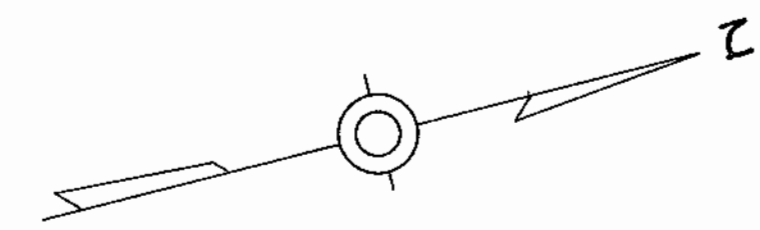
1. The approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately.
2. All pipe elevations shown are invert @-Elev.
3. All sewer mains to be C.S.P.X. or V.C.P.X. sewers with rubber joints unless otherwise noted.
4. Build all M.H.'s to existing ground or paving unless otherwise shown or directed by the Engineer.
5. House connections shall be constructed only where and if directed by the Engineer in the field.

SEWER LEGEND

- Manhole
- Stub Connection
- Standard Wye Branch
- Manhole Number
- Kim Elevation



**VICINITY MAP**  
Scale: 1" = 2000'



Note: Payment for Manhole 18 to be included in unit bid price for item for constructing manholes.

WORKING LIMITS FOR SEWAGE TREATMENT PLANT  
SEWAGE TREATMENT PLANT  
Limits of Land Sum Item for Constructing Sewage Treatment Facilities  
See Sheets 15 S 6 & 7

AS BUILT

WHITMAN, REQUARDT & ASSOCIATES  
ENGINEERS  
1304 ST. PAUL ST.  
BALTIMORE, MARYLAND

HOWARD COUNTY METROPOLITAN COMMISSION  
Jan. 29, 1960  
DATE

CONTRACT NO. 15 S

PLAN OF SEWER MAIN EXTENSIONS

ELLICOTT CITY SUB-DISTRICT

DRAWING NO. 1 OF 7  
SCALE 1" = 50'

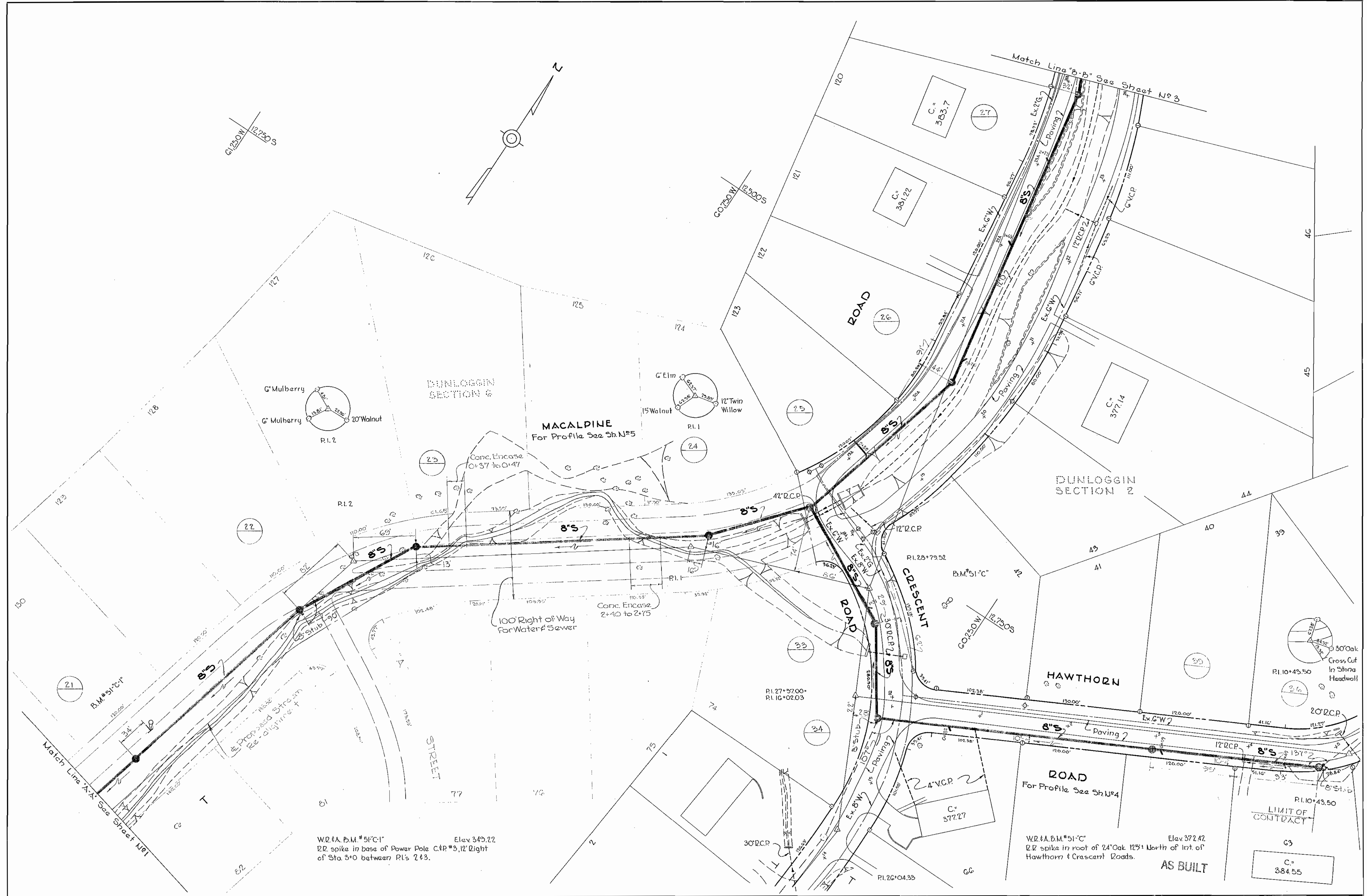
Feb. 1, 1960

WS 15 S/1

W.O. 4343-2 E.B. 2951

Pages 314 are now part of Contract 43 W45

WS 15 S/2



WHITMAN, REQUARDT & ASSOCIATES  
 ENGINEERS  
 1304 ST. PAUL ST.  
 BALTIMORE, MARYLAND

HOWARD COUNTY METROPOLITAN COMMISSION  
 Jan. 29, 1960  
 DATE  
 Chairman

CONTRACT NO. 15 S

PLAN OF  
 SEWER MAIN EXTENSIONS

ELLICOTT CITY SUB-DISTRICT

DRAWING NO. 2 OF 7  
 SCALE 1"=50'

W.O. 4648-1, F.B. 2551

Feb. 1, 1960



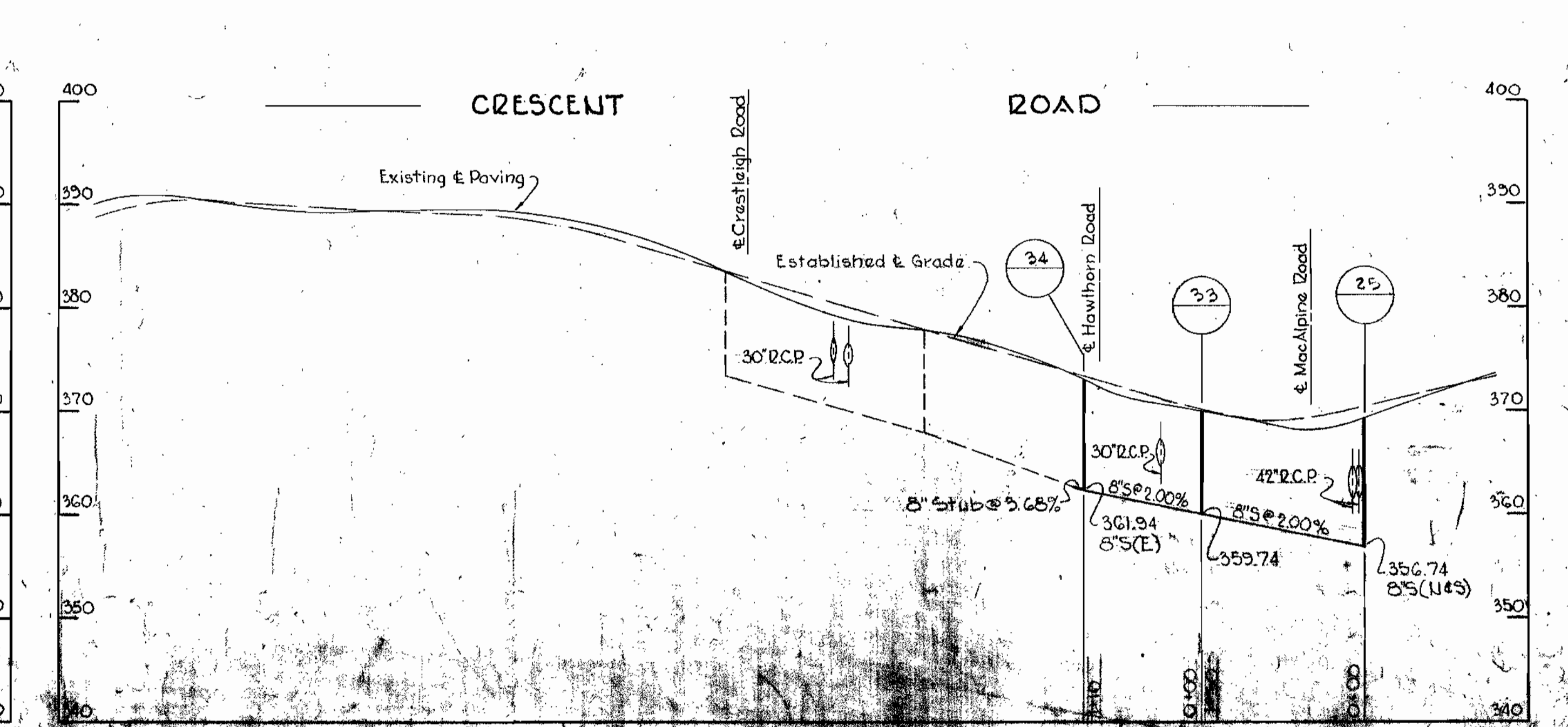
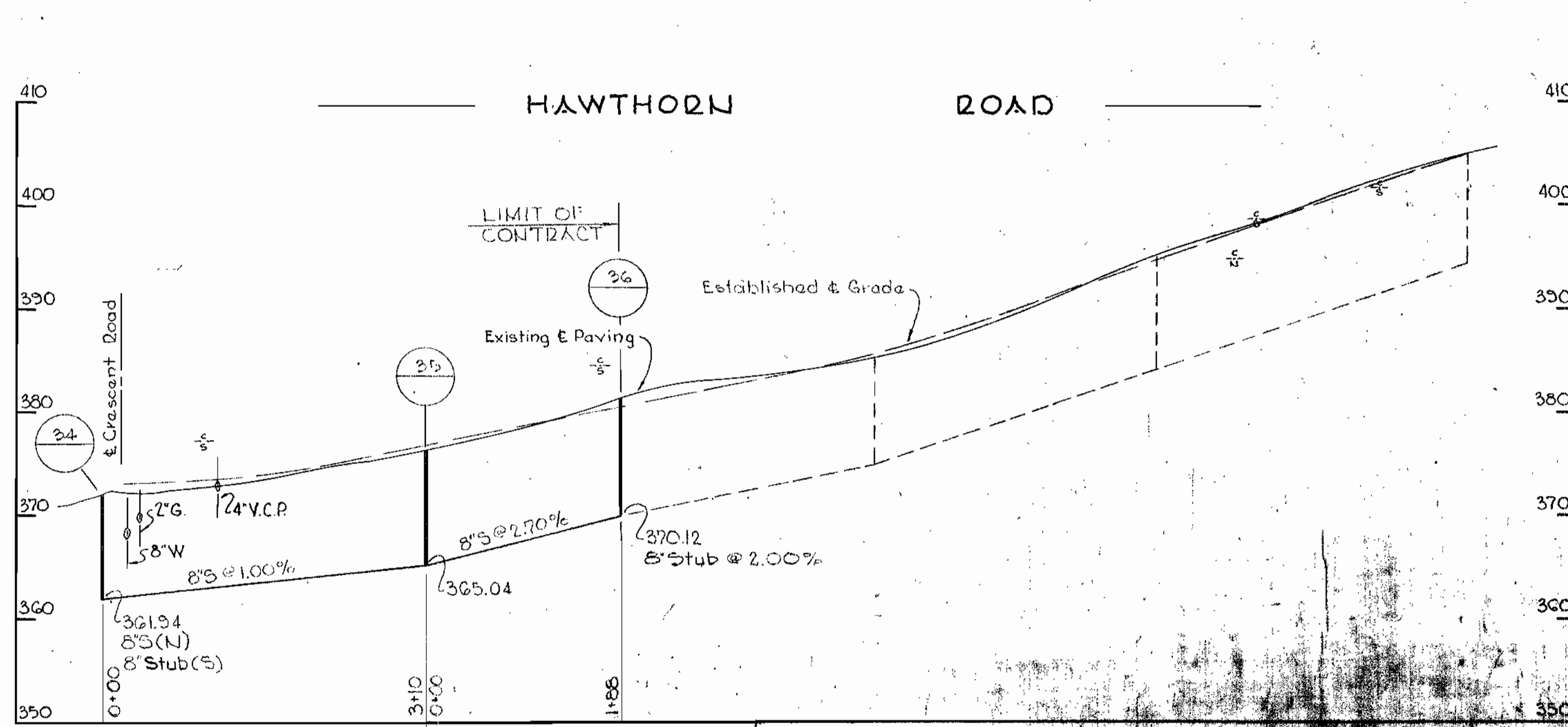
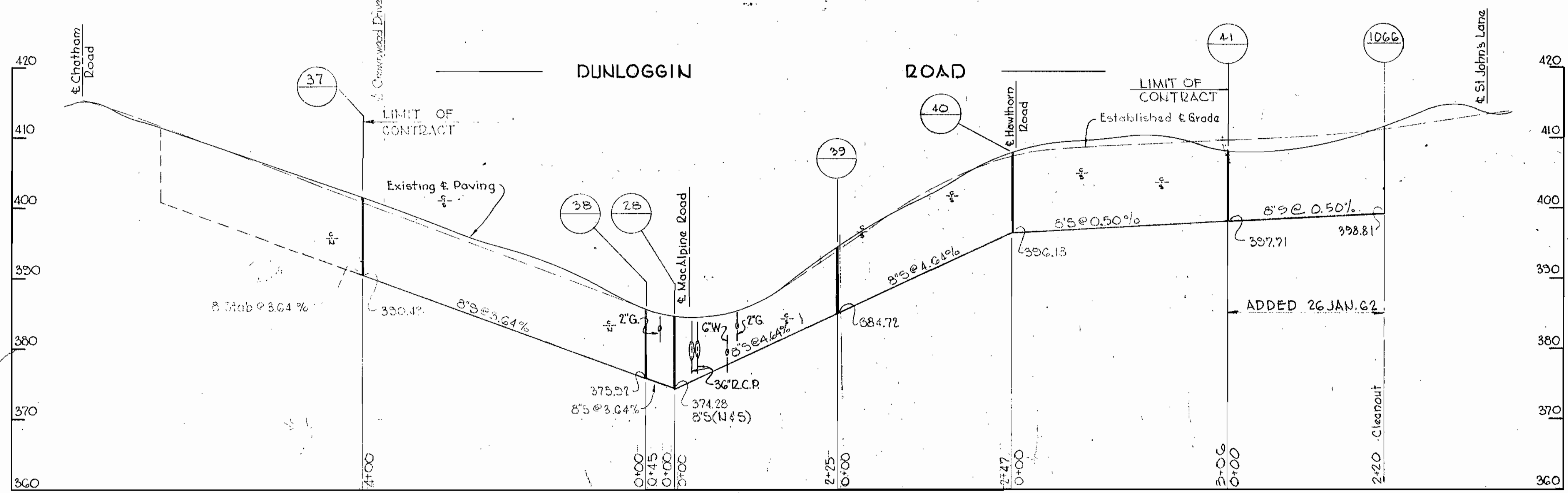
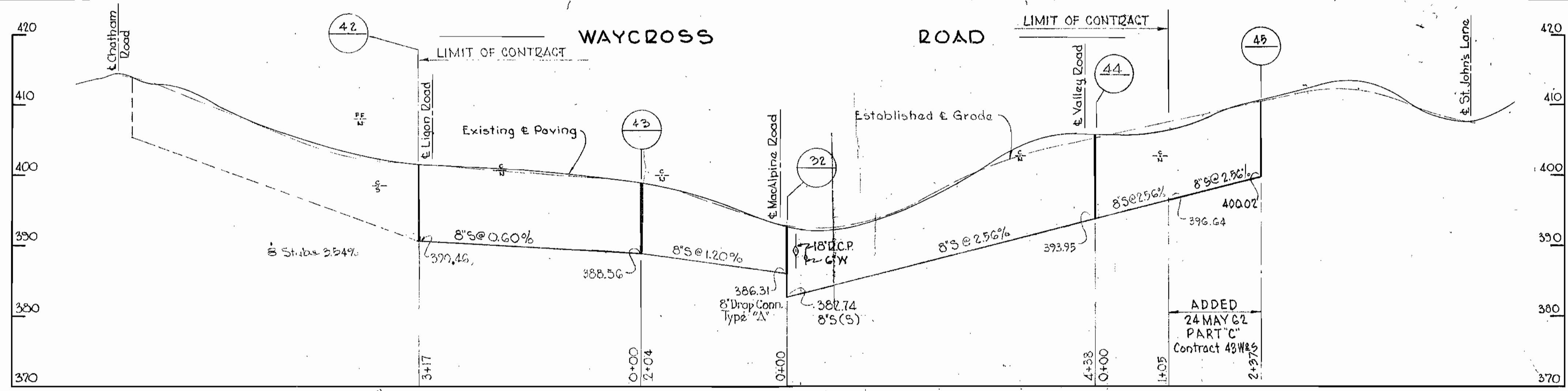
WHITMAN, REQUARDT & ASSOCIATES  
 ENGINEERS  
 1304 ST. PAUL ST.  
 BALTIMORE, MARYLAND

HOWARD COUNTY METROPOLITAN COMMISSION  
 Jan. 29, 1962  
 DATE

ELLCOTT CITY SUB-DISTRICT

AS BUILT  
 11 JULY 1962  
 PART "E"  
 Contract 43 W&S  
 DRAWING NO. 3 OF 4  
 SCALE 1"=50'

WO484B-2



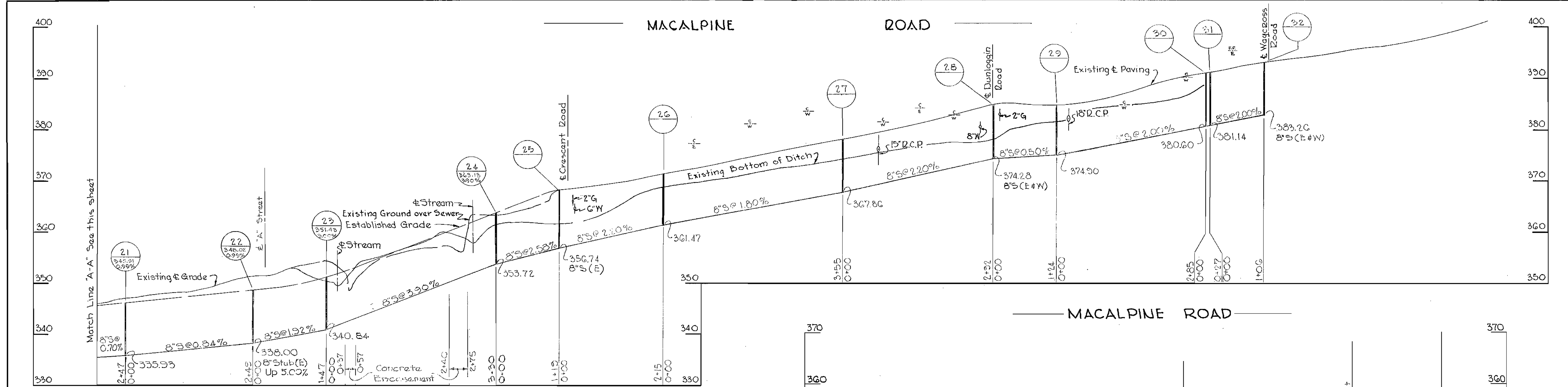
WHITMAN, REQUARDT & ASSOCIATES  
ENGINEERS  
1304 ST. PAUL ST.  
BALTIMORE, MARYLAND

HOWARD COUNTY METROPOLITAN COMMISSION  
Jan. 29, 1960  
DATE

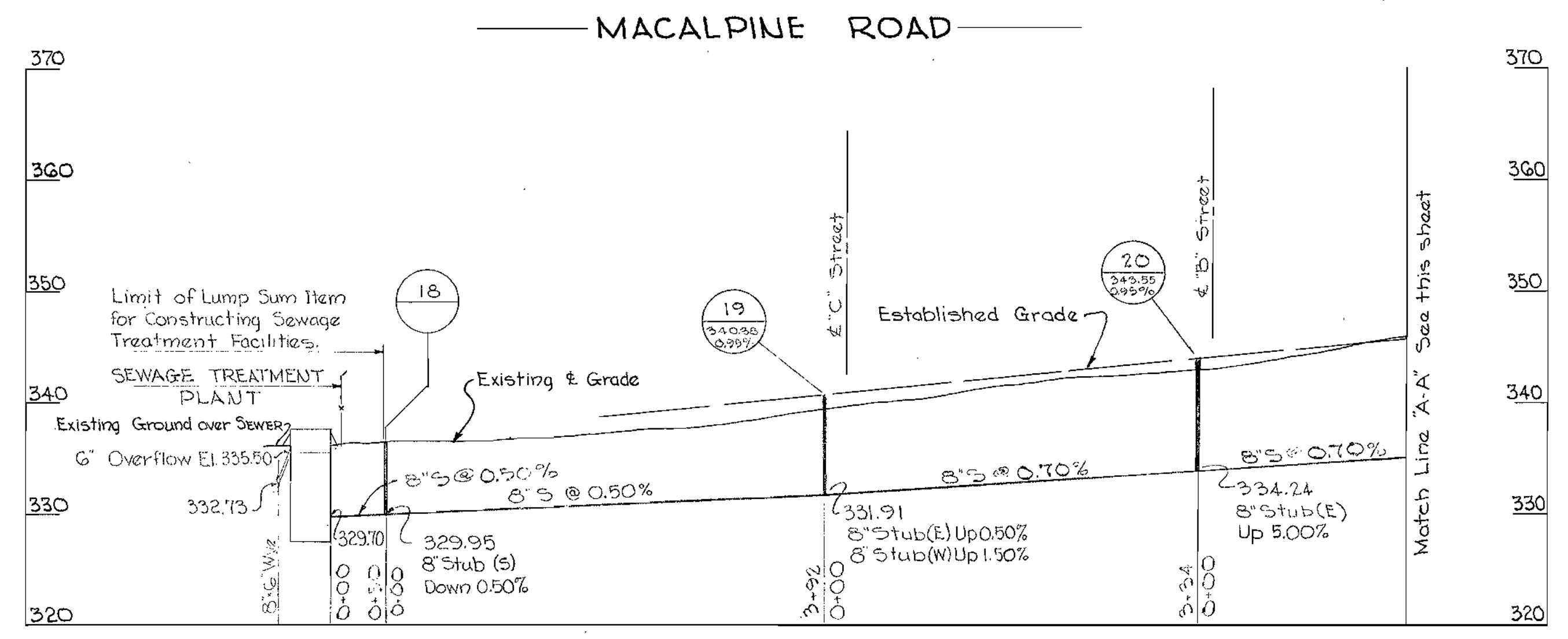
PROFILES OF  
DISTRICT  
DRAWING NO.  
SCALE

W.O. 4848-2

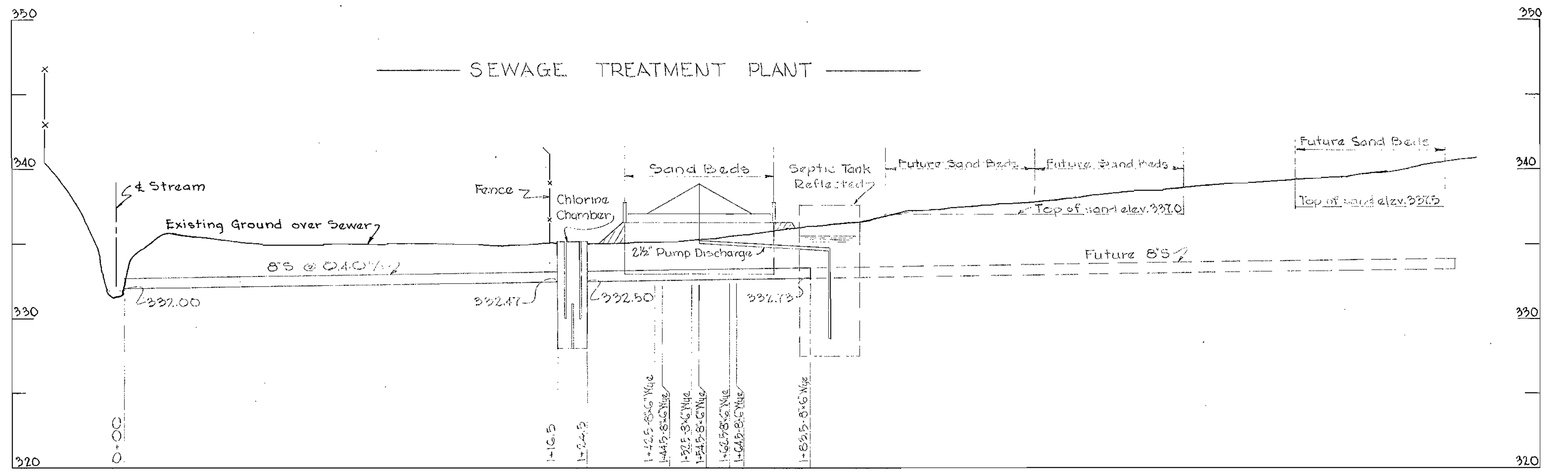
WS 155/5



**PROFILE**  
Hor. 1"=100'  
Vert. 1"=10'



**PROFILE**  
Hor. 1"=100'  
Vert. 1"=10'



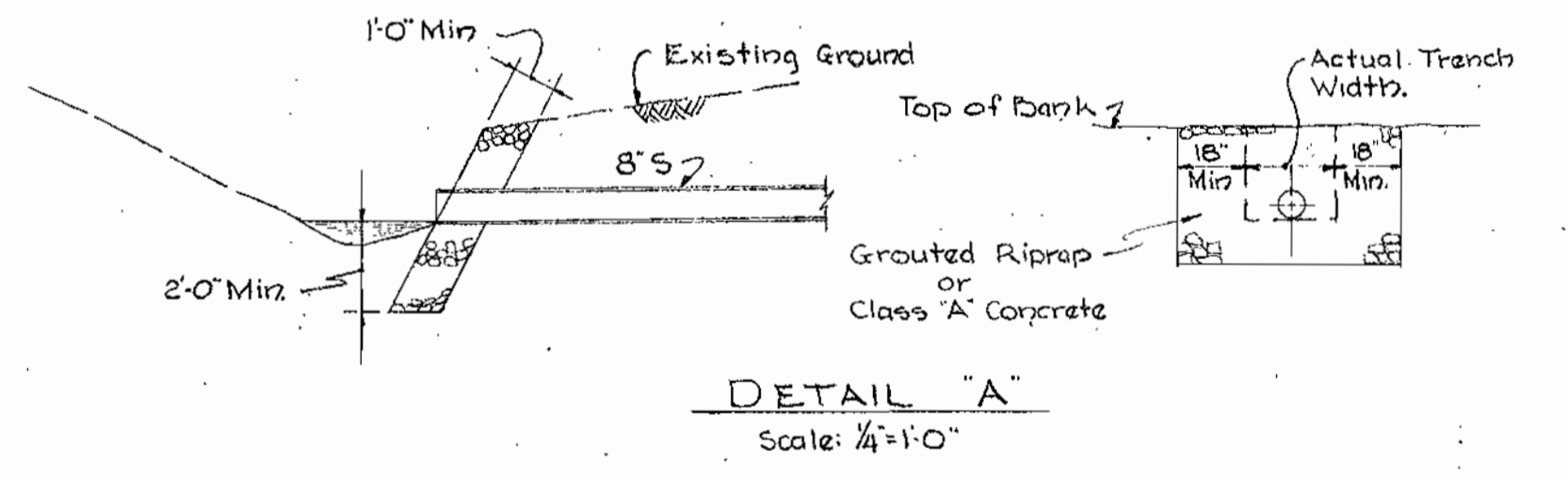
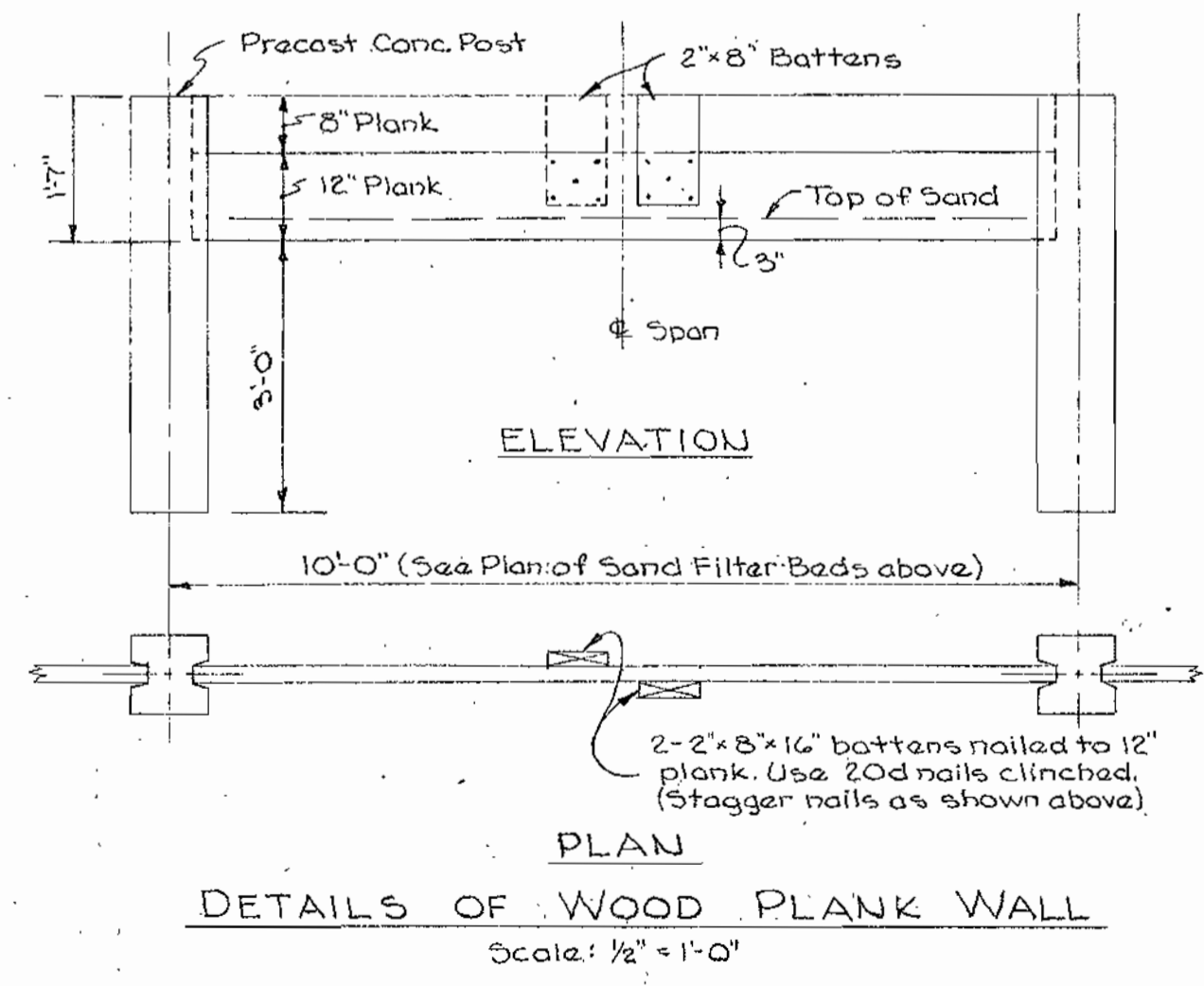
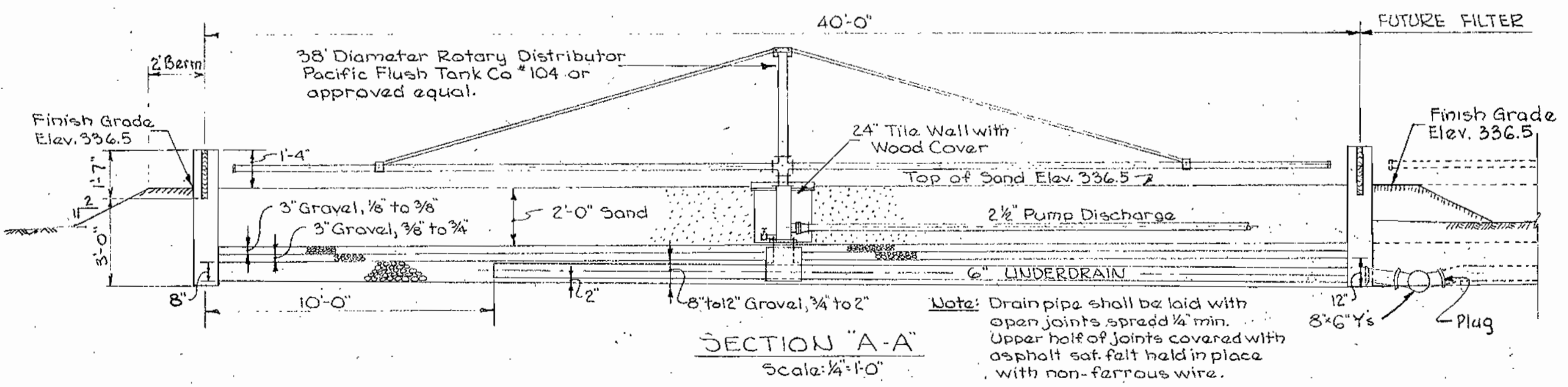
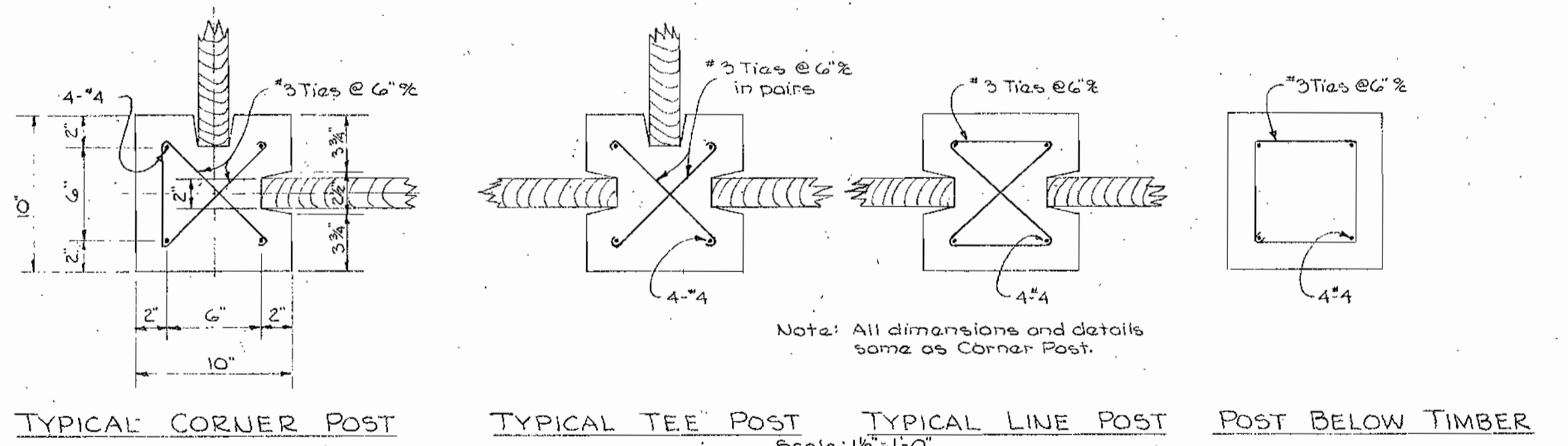
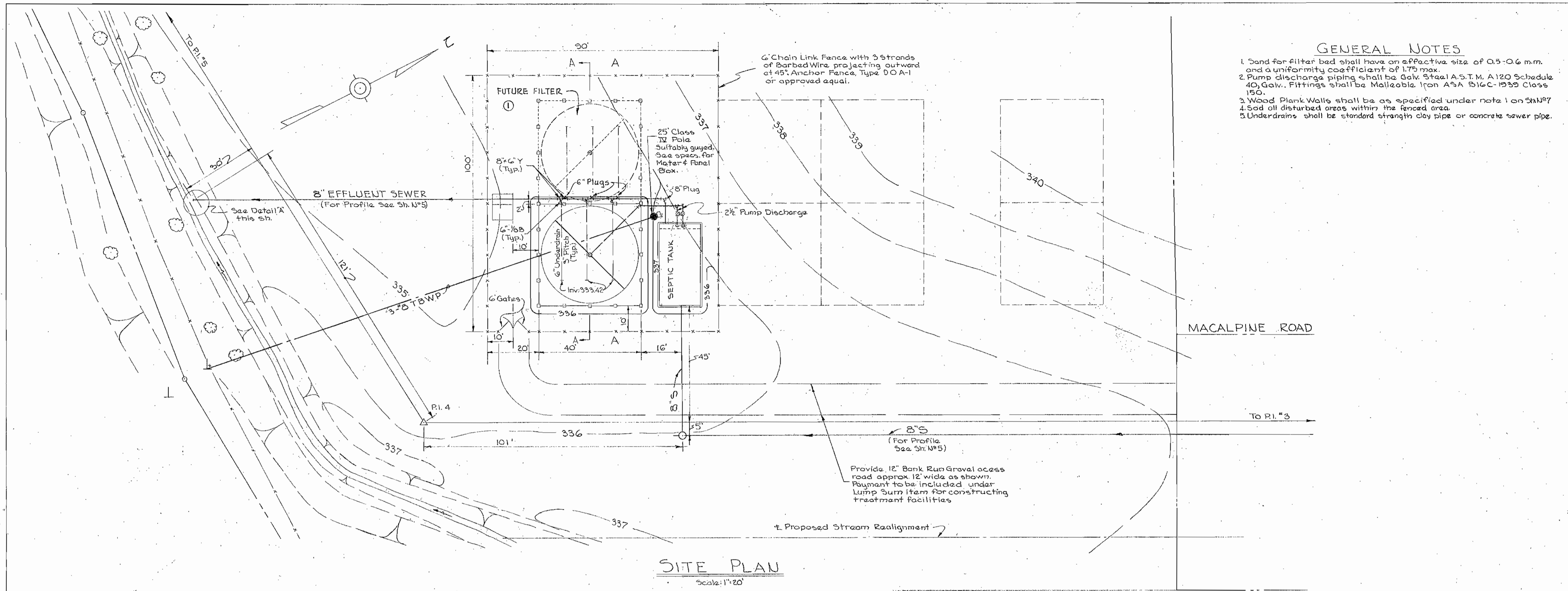
**PROFILE**  
Hor. 1"=20'  
Vert. 1"=5'

AS BUILT

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan 29, 1960 DATE <i>Carl W. Meyer</i> CHAIRMAN	CONTRACT NO. 15S	PROFILES OF SEWER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 5 OF 7 SCALE AS SHOWN
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W.O. 4848-2

Feb. 1, 1960

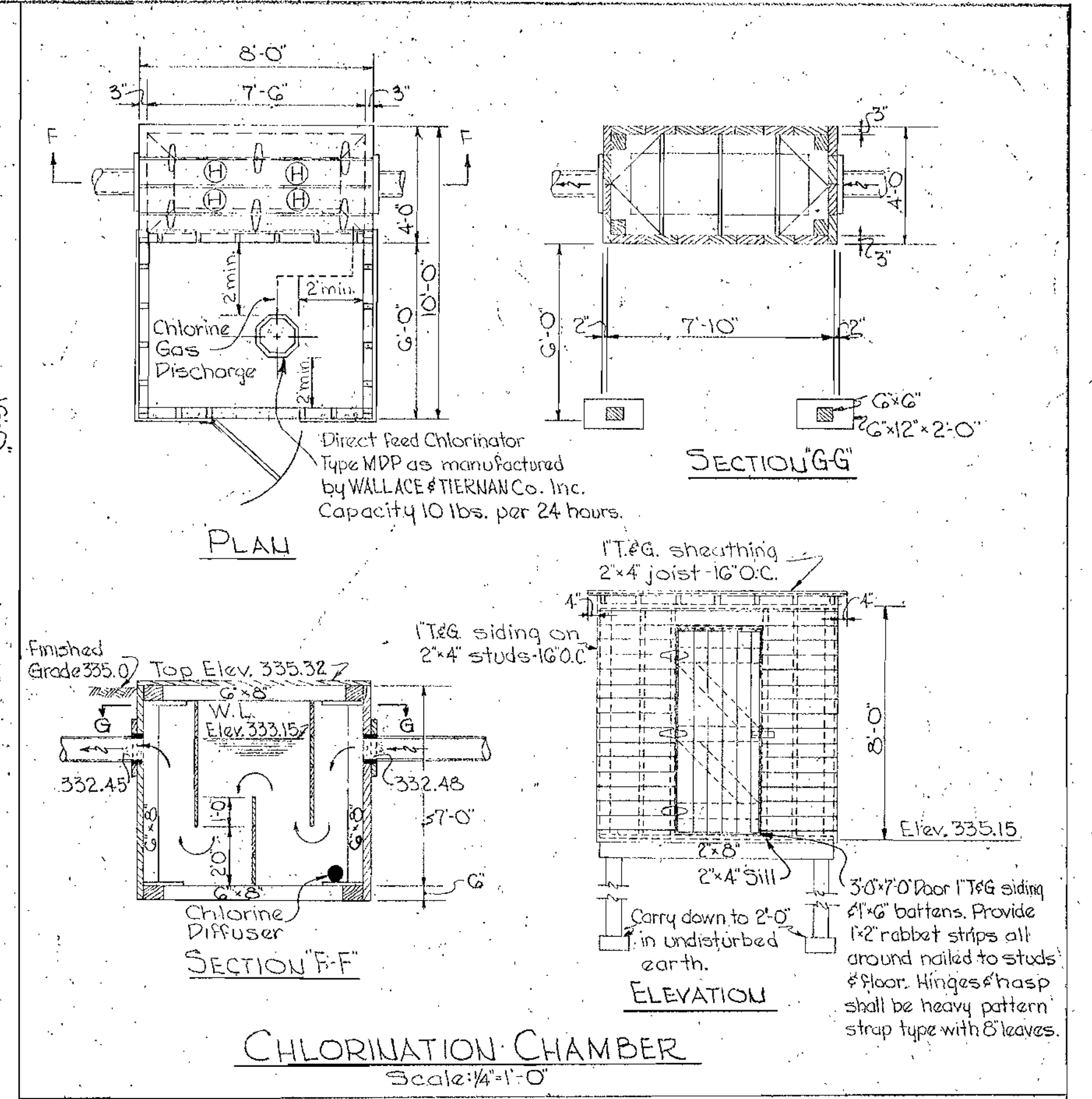
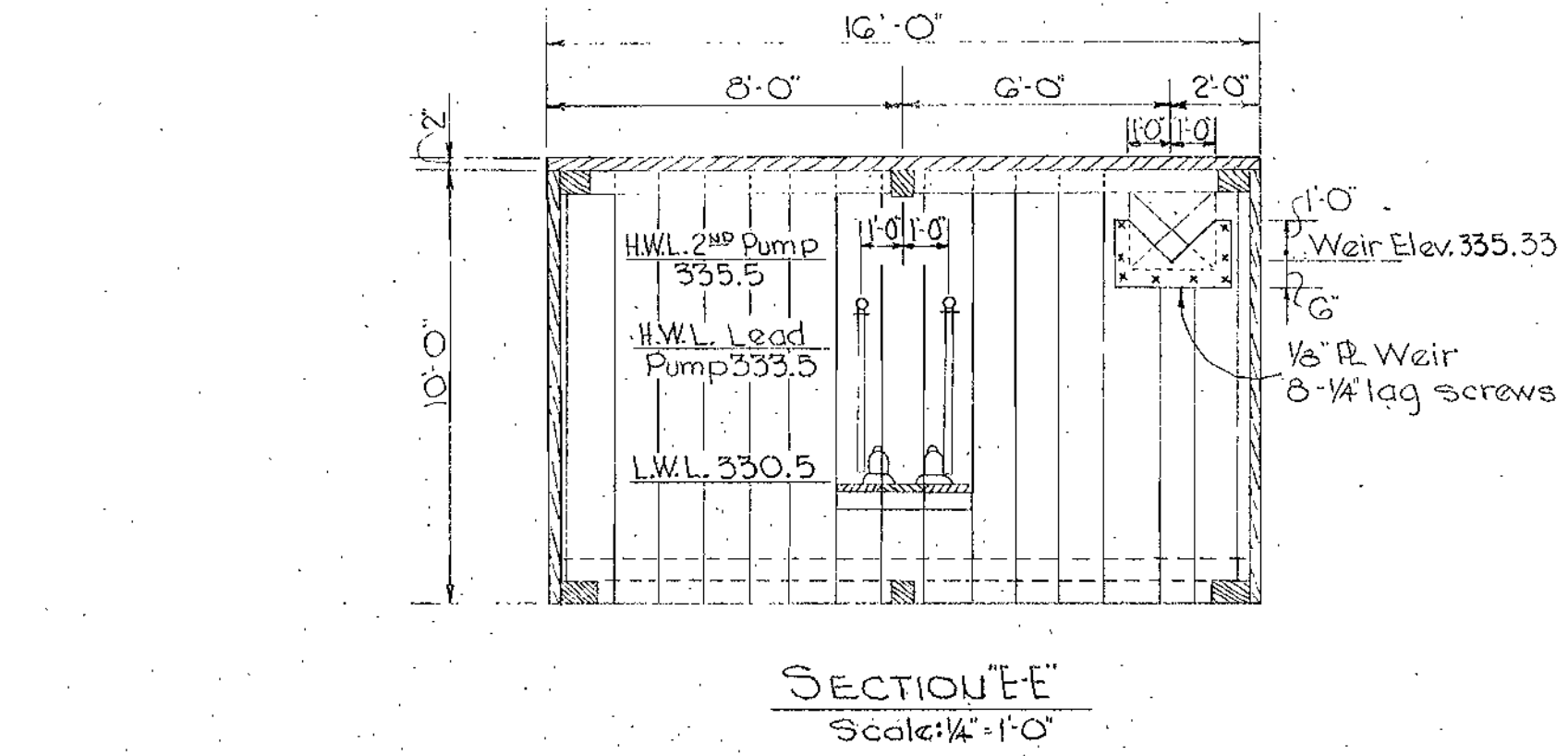
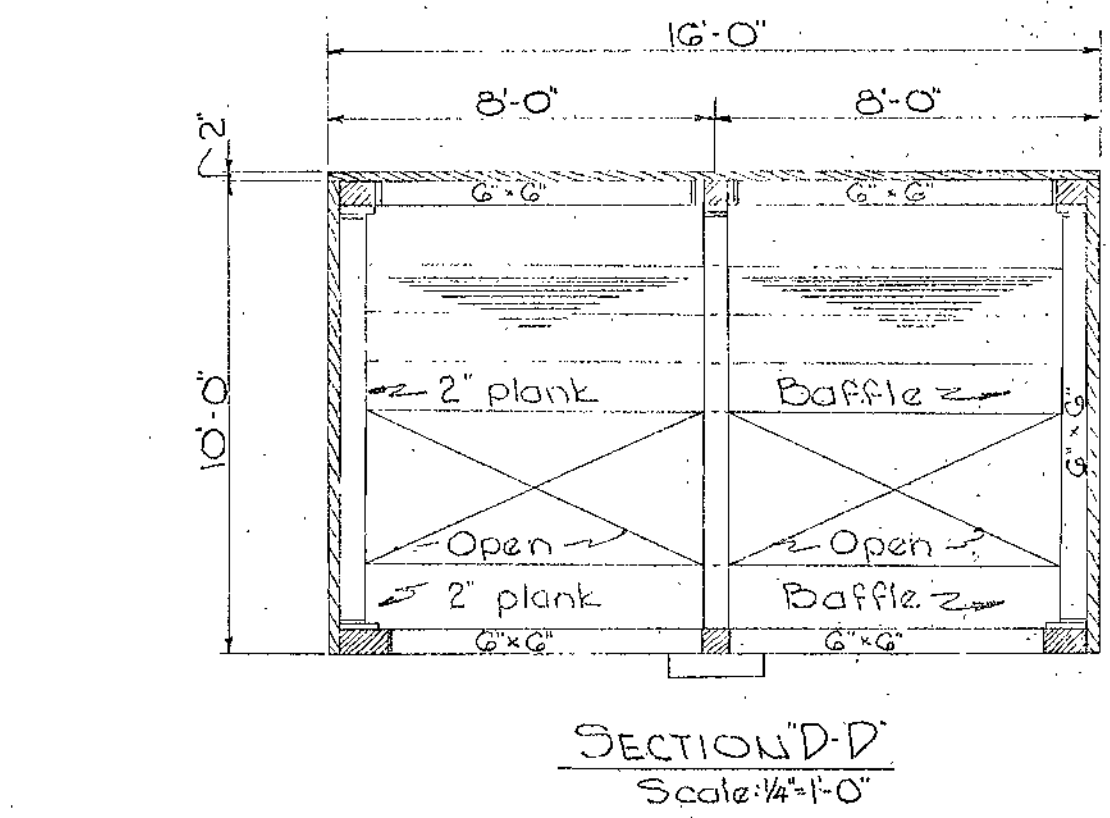
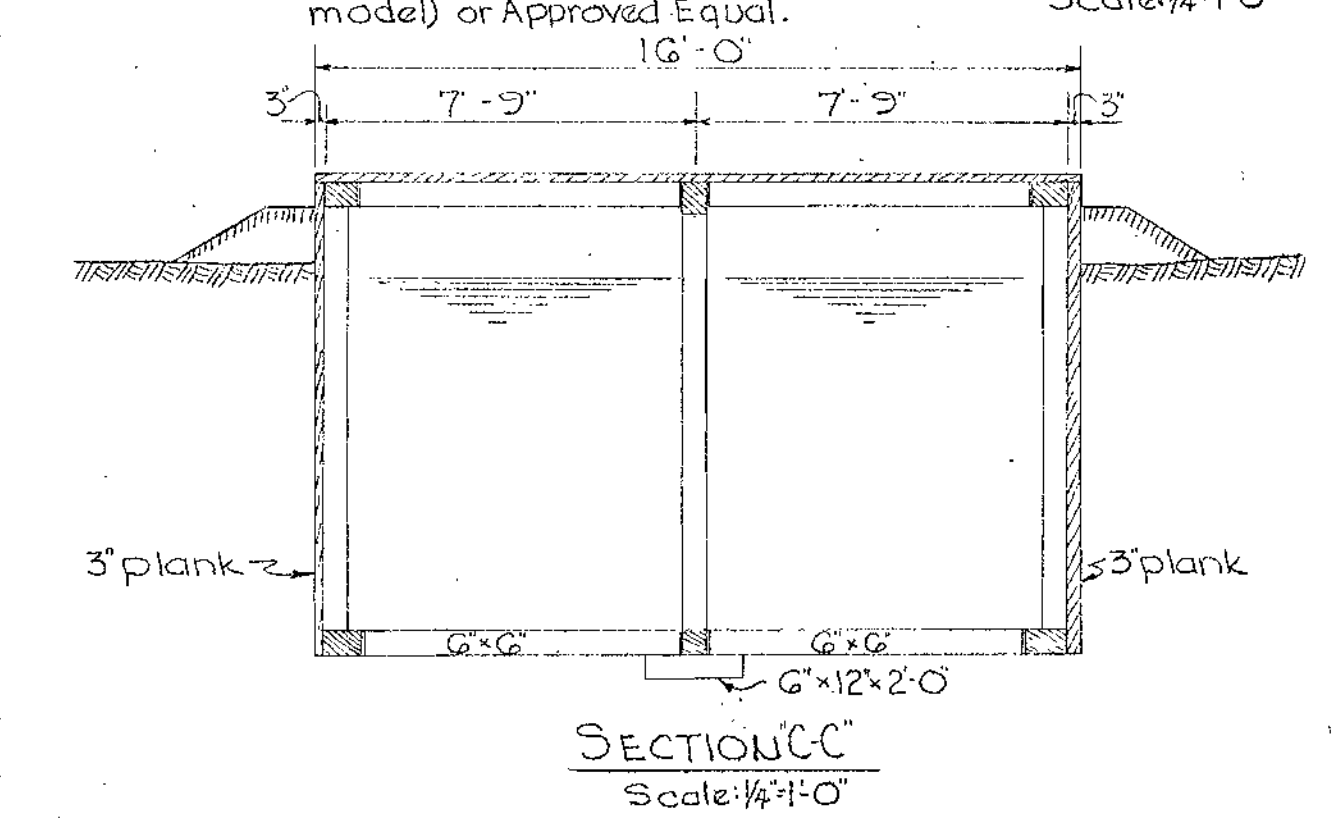
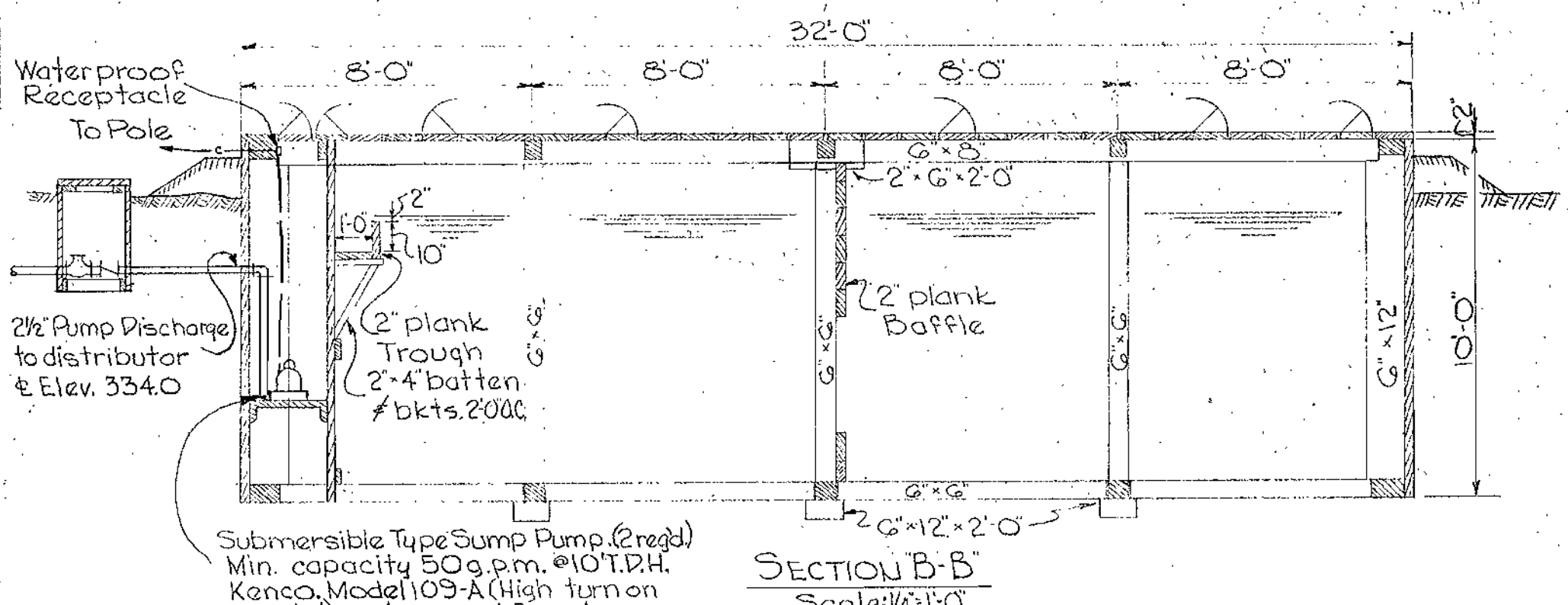
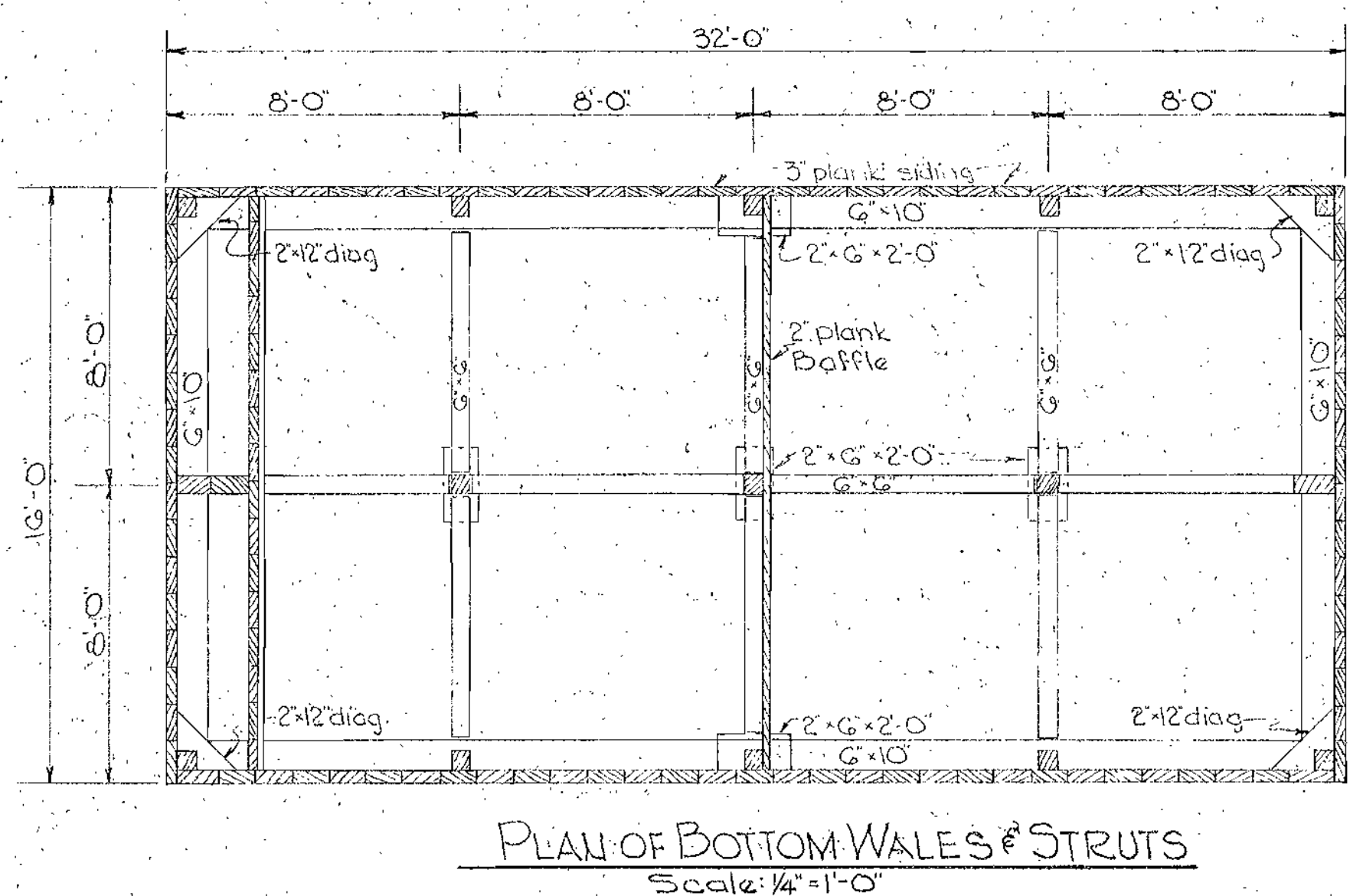
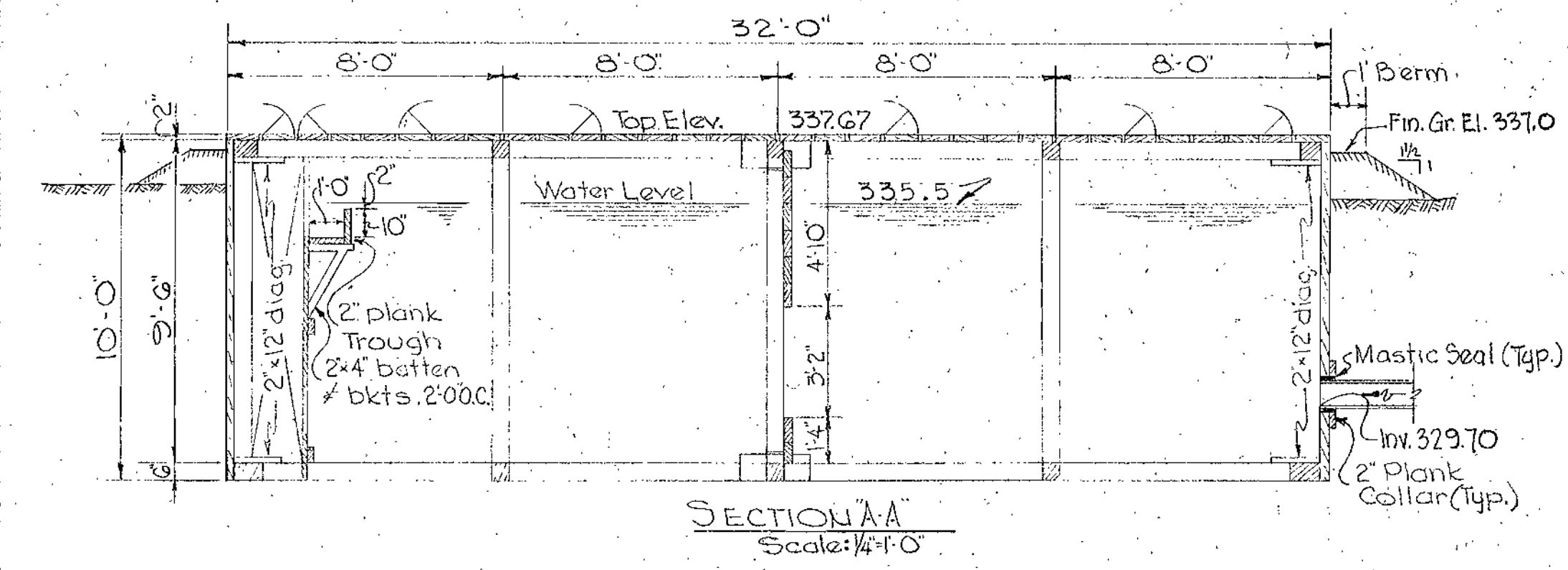
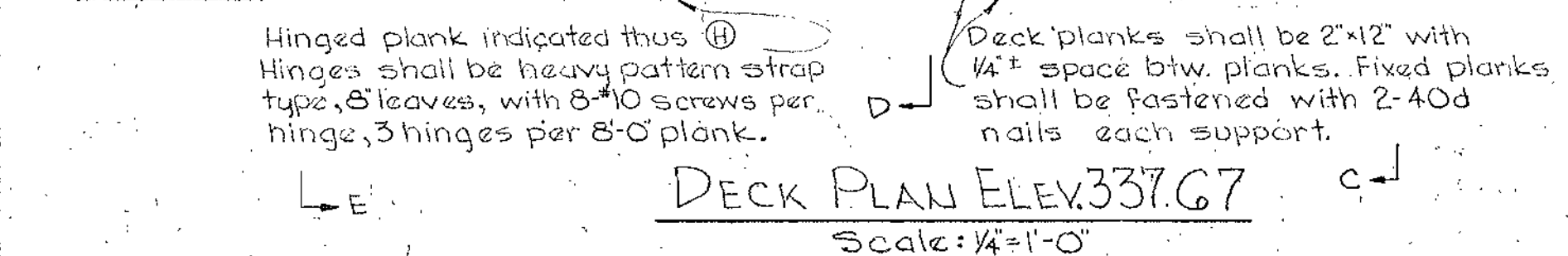
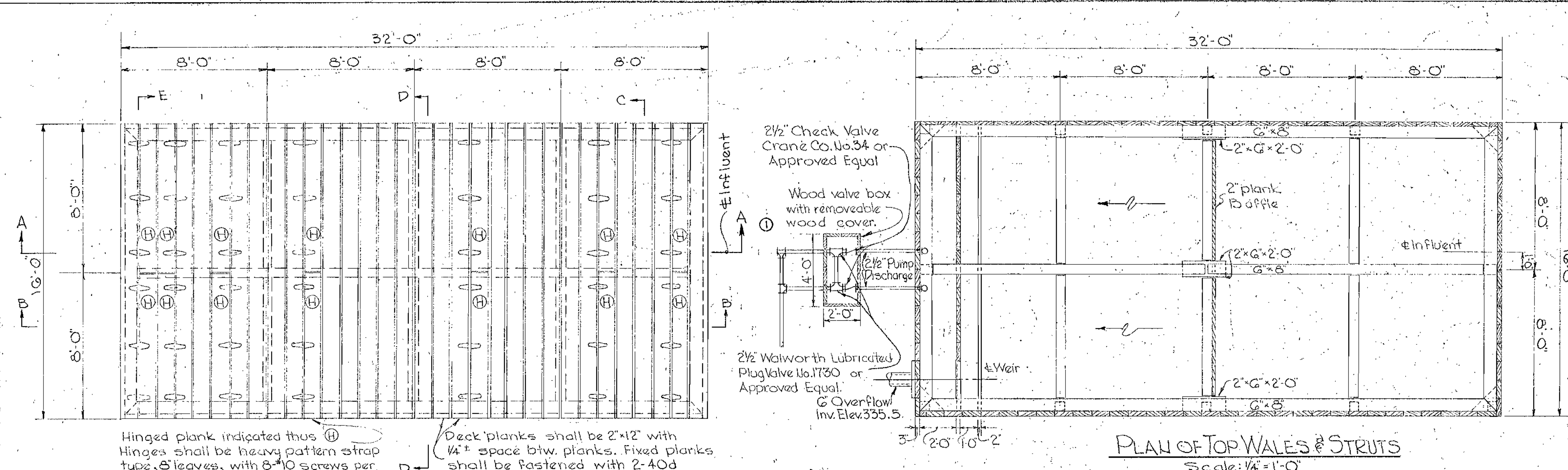


**SAND FILTER BEDS**

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION DATE: Jan. 29, 1960 CHAIRMAN	CONTRACT NO. 15 S	S.T.P. SITE PLAN & SAND FILTER BEDS	ELLCOTT CITY SUB-DISTRICT	DRAWING NO. 6	SCALE AS SHOWN
					OF 7	

WS 155/6 SM

Deleted Sand Filter 2/25/60



- NOTES
1. Planking for deck, sides, baffles, troughs, etc. may be rough sawn, undressed oak, pine or fir. Wales, struts, posts, beams, etc. may be rough-sawn or dressed at option of contractor.
  2. Deck planking shall be 2" x 12" with 1/4" space btw. planks. See Deck Plan.
  3. Side baffle & trough planking shall be butted tight and may vary from 6" to 12" in width.
  4. Side planking shall be fastened with 2-40d nails per plank at top & bottom wales.
  5. Baffle & trough planking shall be securely fastened in place. Provide battens, brackets, etc. of 2" lumber as req'd.
  6. Wales, struts, posts, beams, etc. shall be neatly fitted at bearing points and shall be securely fastened in place.
  7. Roof to overhang 1'-0" on door side.
  8. Roof to Chlorine Shed shall be covered with 2 ply tar paper laid in hot tar. All laps shall be nailed. Apply hot tar mop coat over covering.
  9. Sides of roof of chlorine shed shall be of No. 2 common dressed pine or fir.

DESIGN DATA

POPULATION CAPACITY  
100 Houses @ 3 persons per house = 300 persons

SEWAGE QUANTITY  
300 persons @ 90 gal./capita/day = 27,000 gal./day (18.75 g.p.m.)

Volume Septic Tank = 25,800 gal.  
Volume Chlorine Tank = 1125 gal.  
Retention Time @ 18.75 g.p.m. = 60 min.  
Sand Filter Bed Area = 6400 S.F. (Present 3200 S.F.)

AS BUILT

Ⓧ Revised Piping 2/25/60

WHITMAN, REQUARDT & ASSOCIATES  
ENGINEERS  
1304 ST. PAUL ST.  
BALTIMORE, MARYLAND

HOWARD COUNTY METROPOLITAN COMMISSION  
Jan. 29, 1960  
DATE

*Earl W. Whelan*  
CHAIRMAN

CONTRACT NO. 15S

DETAILS - SEPTIC TANK  
CHLORINATION CHAMBER

ELLCOTT CITY SUB-DISTRICT

DRAWING NO. 7 OF 7  
SCALE AS SHOWN

Feb. 1, 1960

WS 155/7

W.O. 4848-2