

GENERAL NOTES

1. Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect the existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately.
2. All pipe elevations shown are invert (I) elevations.
3. The Contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in vicinity of utilities.
4. The location of all valves, fittings etc. have been located in plan and dimensions shall be strictly adhered to unless otherwise directed by the Engineer in writing. Profile stationing may have to be adjusted to adhere to plan dimensions.
5. All tops of Frost Casings on Fire Hydrants to be set at elevations shown, or as directed by the Engineer in the field.
6. For all standard details see standards bound in specifications.
7. All 6" x 8" W to be C.I.P. Class 22.
8. All Water to have a minimum of 3 1/2" cover.
9. Block all fittings with concrete see standard details bound in specifications.
10. All sewer mains to be C.S.P.X. or V.C.P.X. unless otherwise noted.
11. Build all M.H.'s to existing ground or paving unless otherwise noted.
12. Locations of house connections and wye branches shown are approximate, and shall be constructed where directed by the Engineer.

SEWER LEGEND

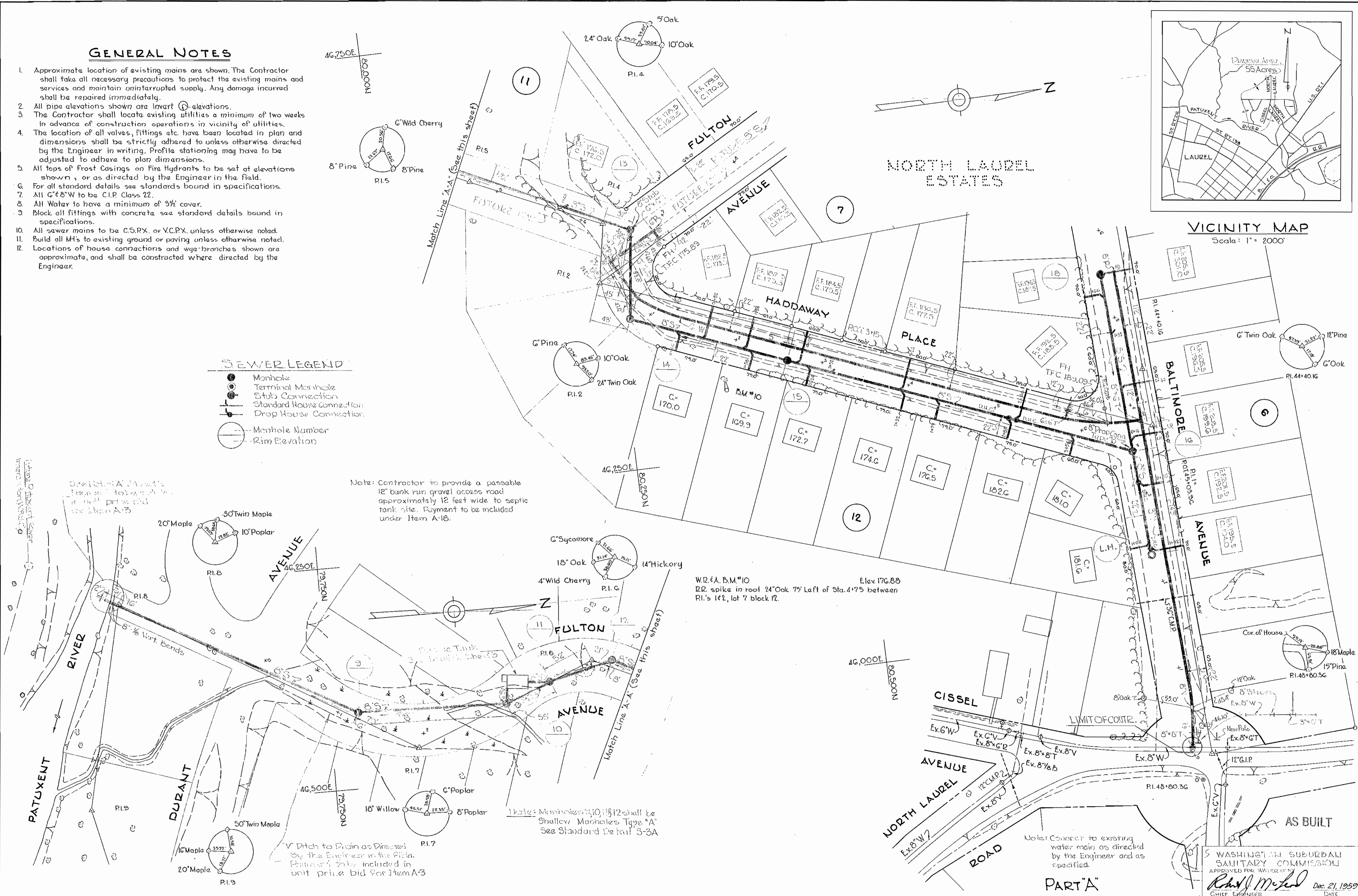
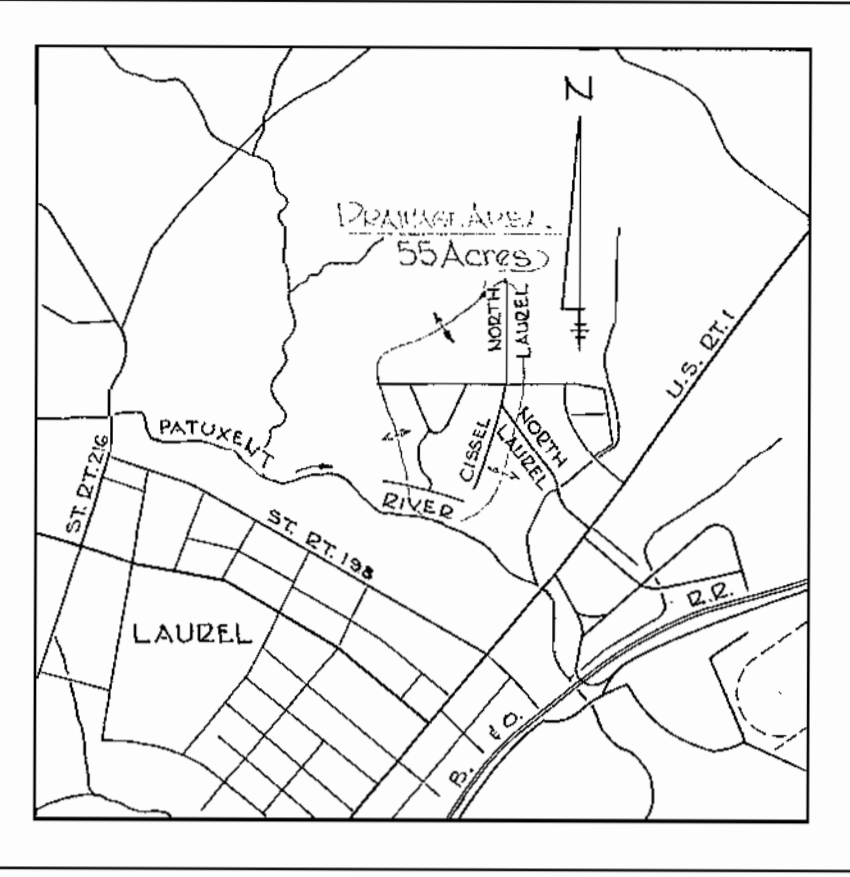
- Manhole
- Terminal Manhole
- Stub Connection
- Standard House Connection
- Drop House Connection
- Manhole Number
- Rim Elevation

Note: Contractor to provide a passable 12' bank run gravel access road approximately 12 feet wide to septic tank site. Payment to be included under Item A-18.

V Ditch to Drain as Directed by the Engineer in the field. Payment to be included in unit price bid for Item A-3

Note: Manholes 10, 11, 12 shall be Shallow Manholes Type "A" See Standard Detail S-3A

Note: Connect to existing water main as directed by the Engineer and as specified.



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

HOWARD COUNTY METROPOLITAN COMMISSION
Jan 18, 1960
DATE

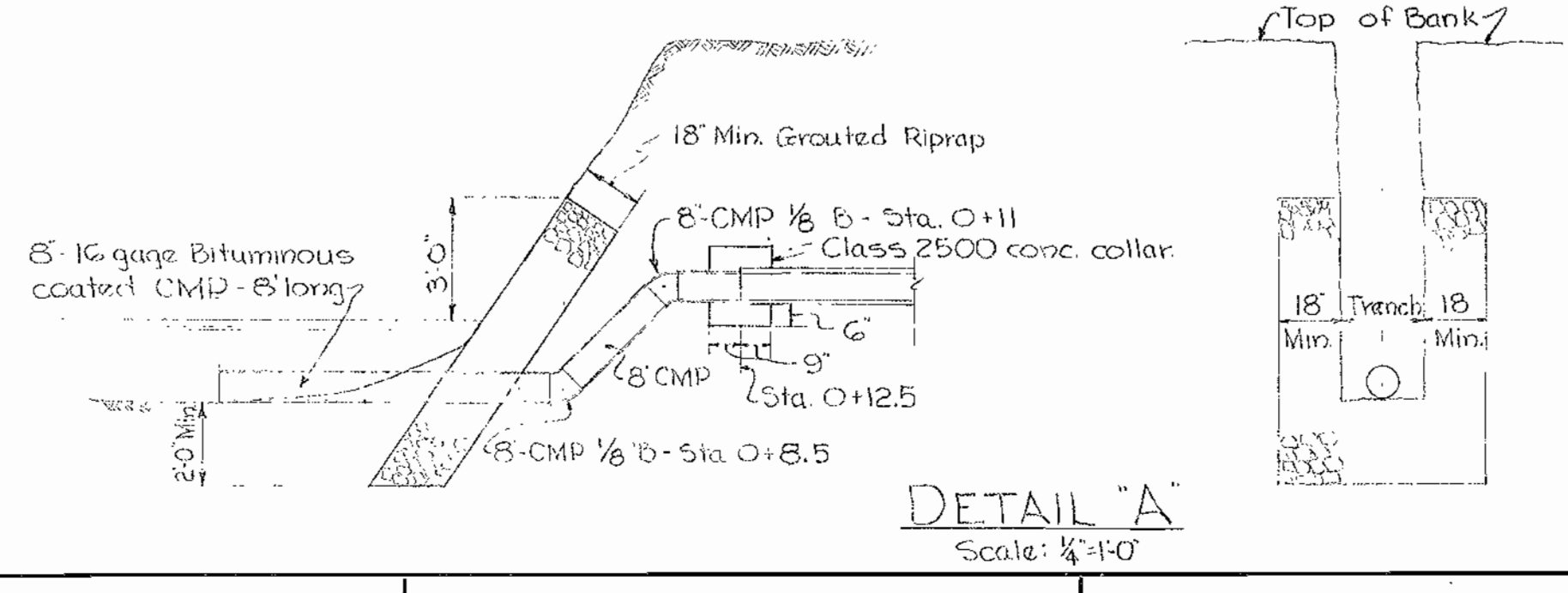
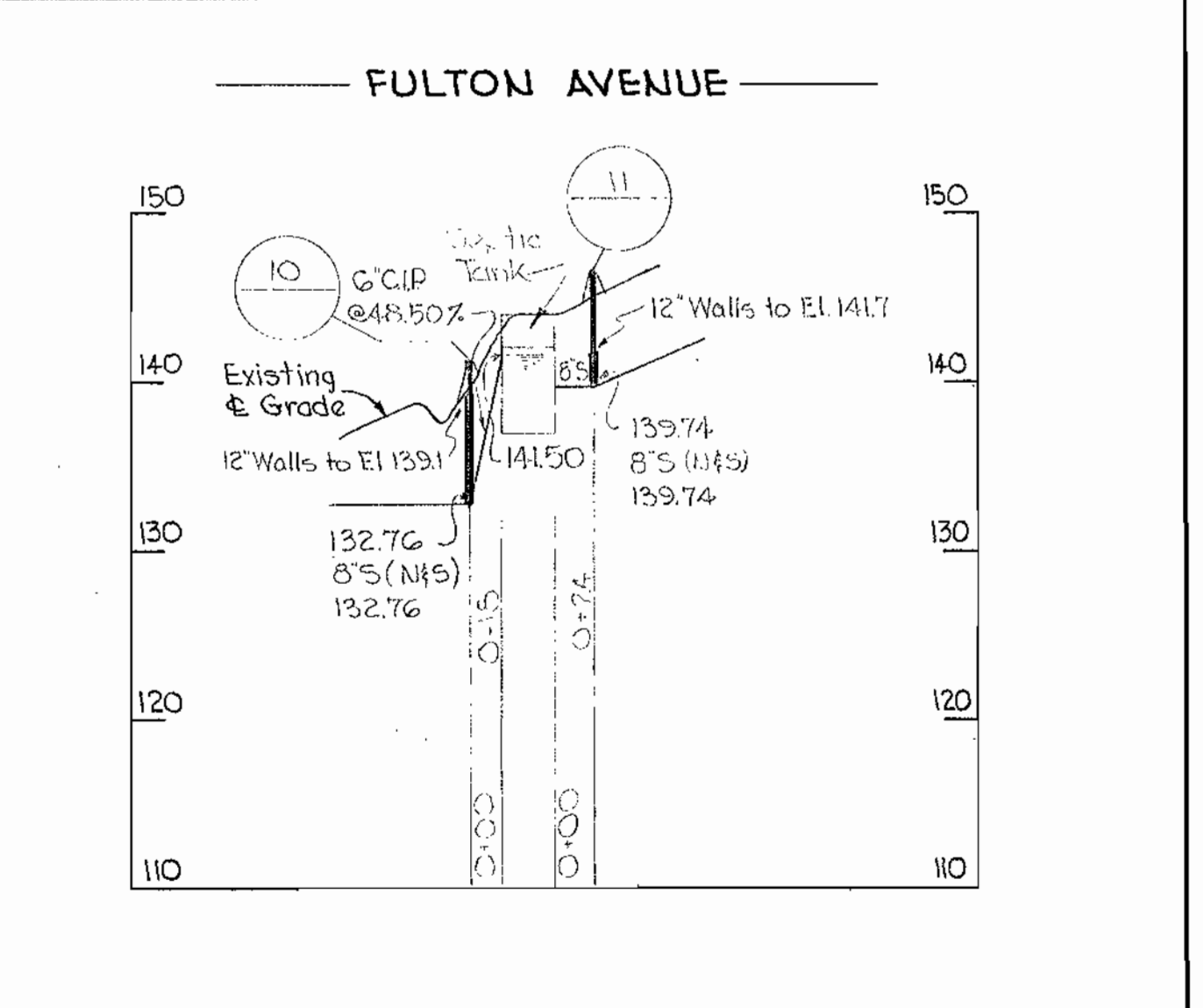
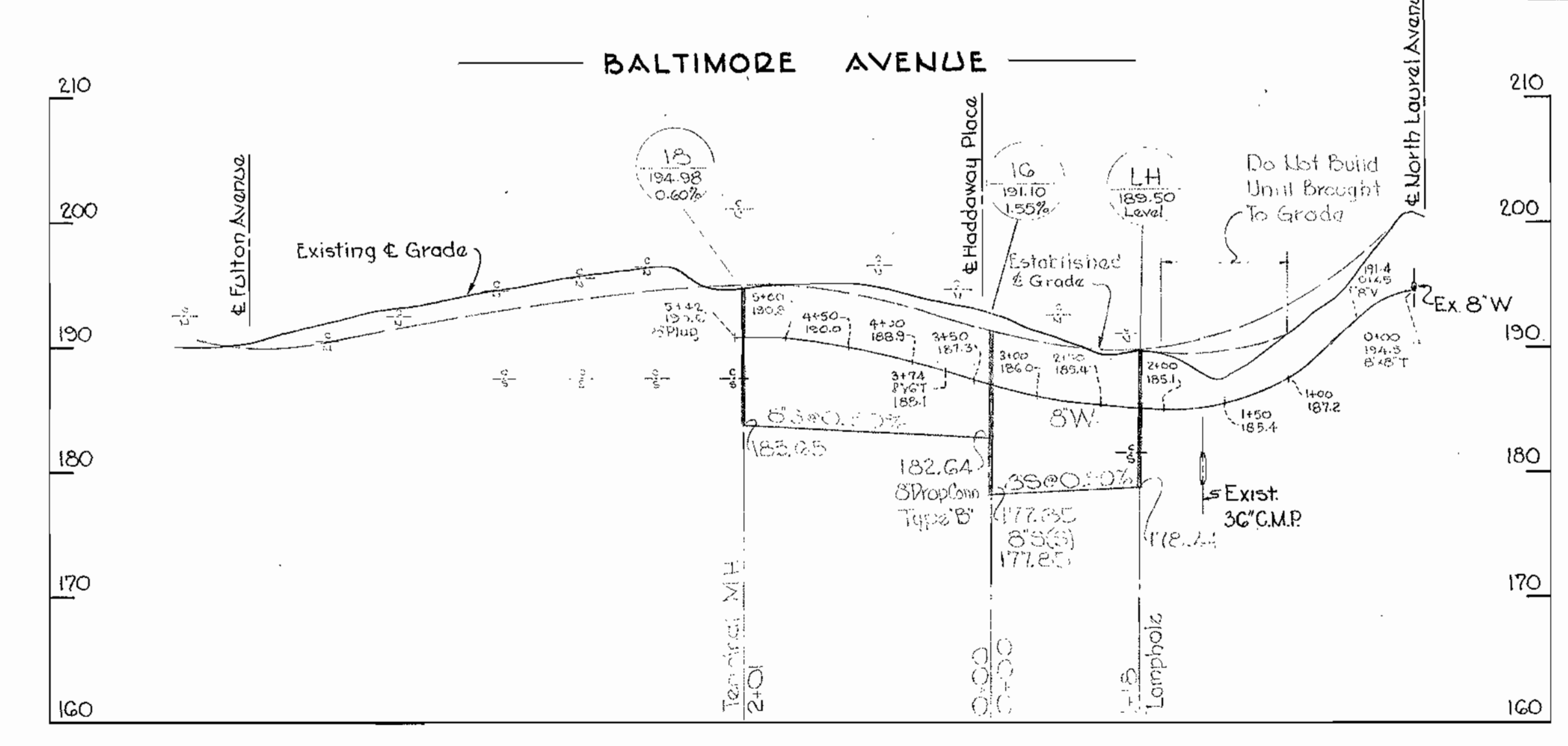
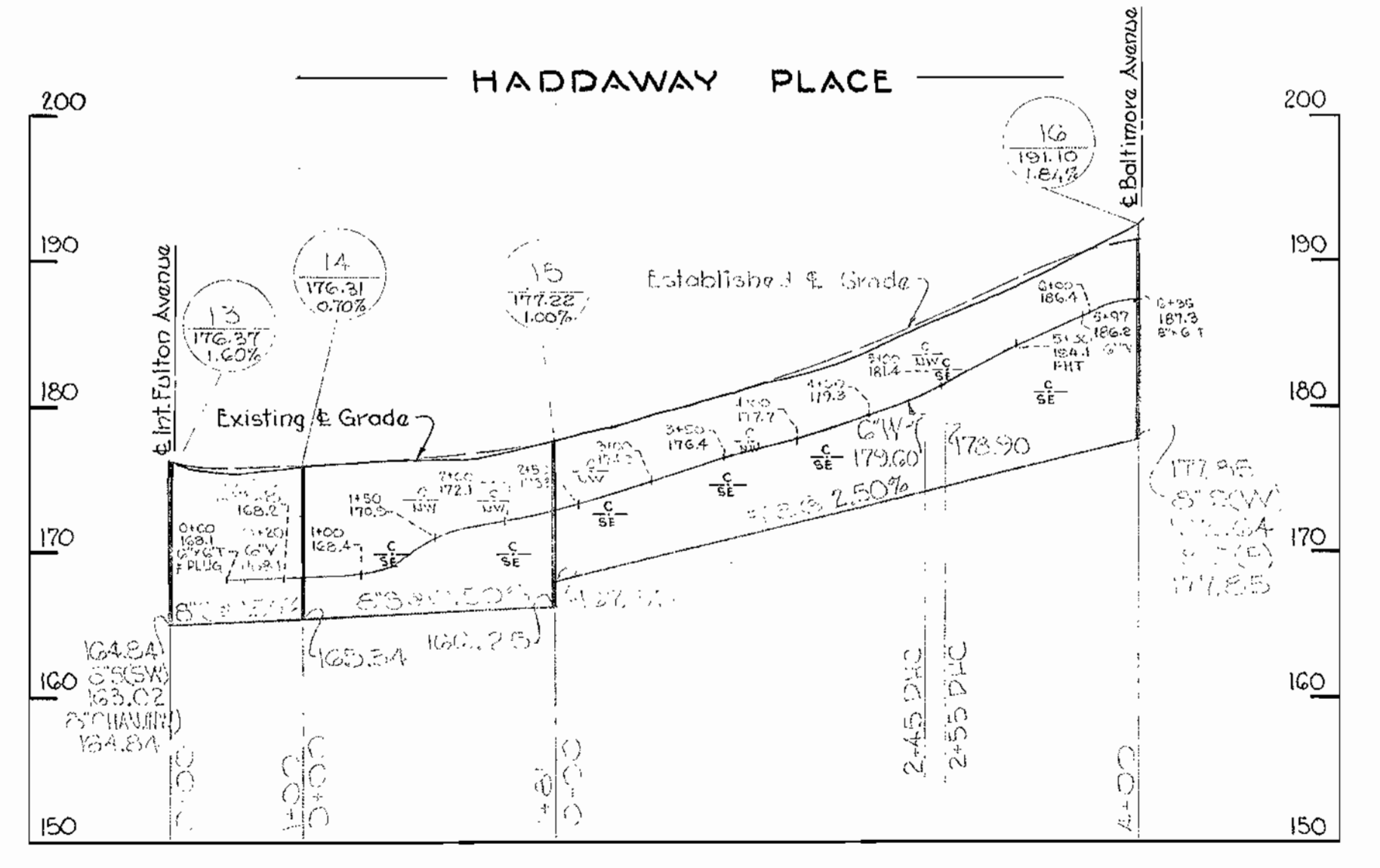
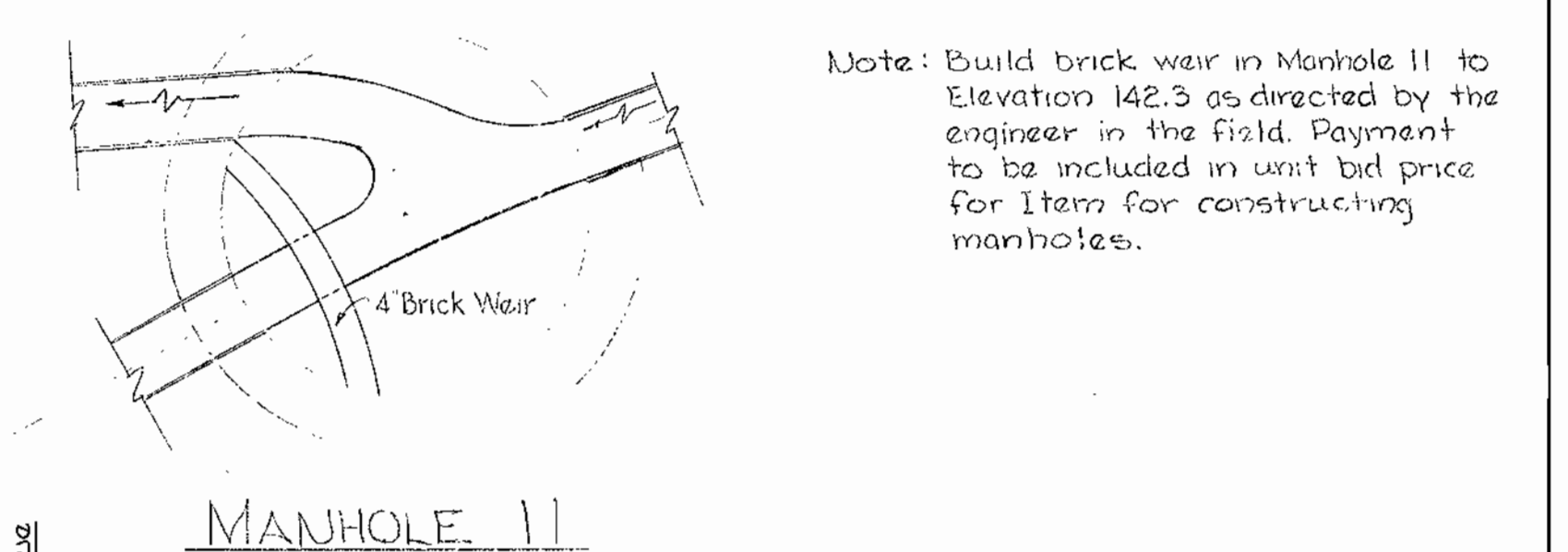
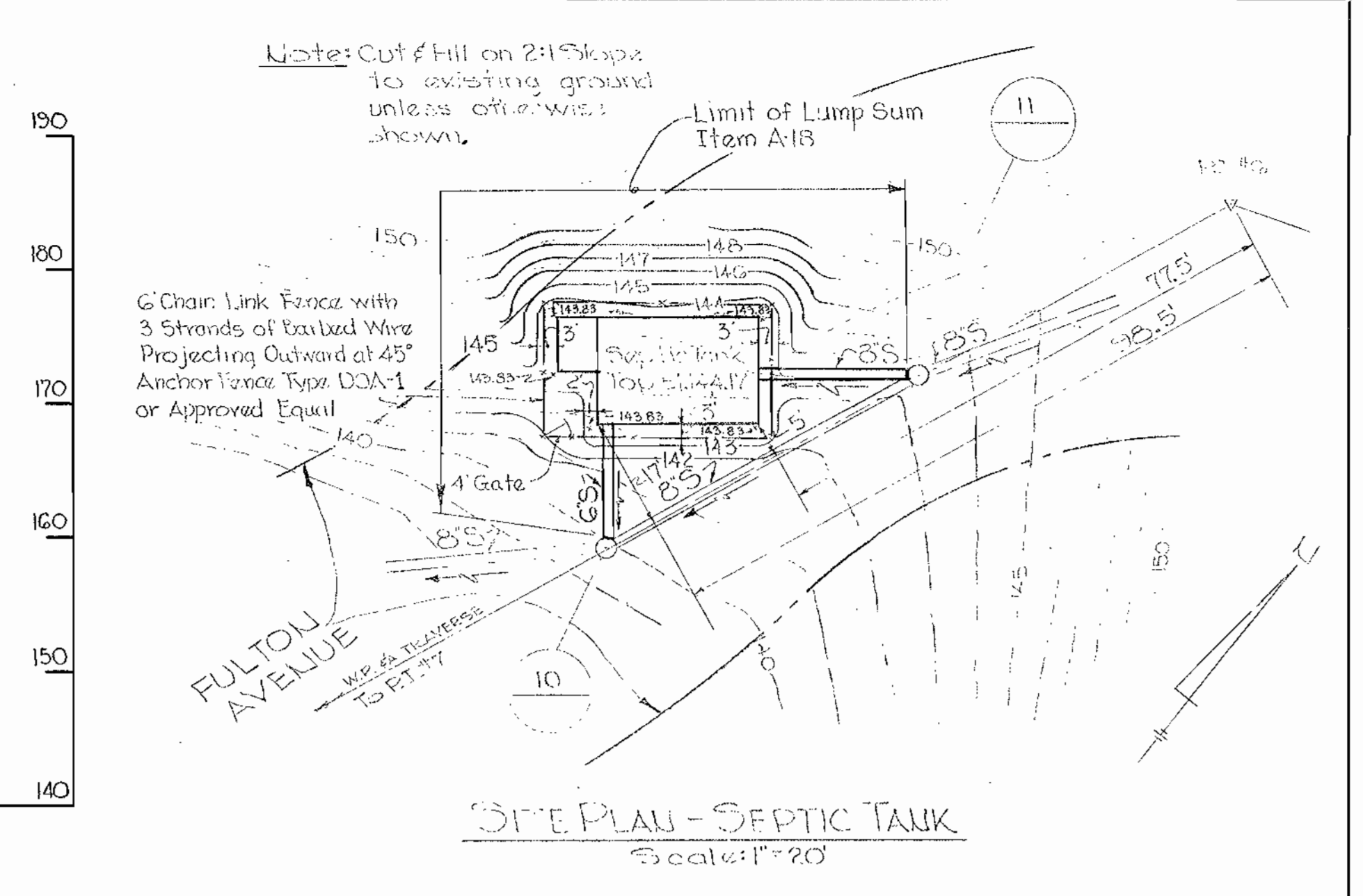
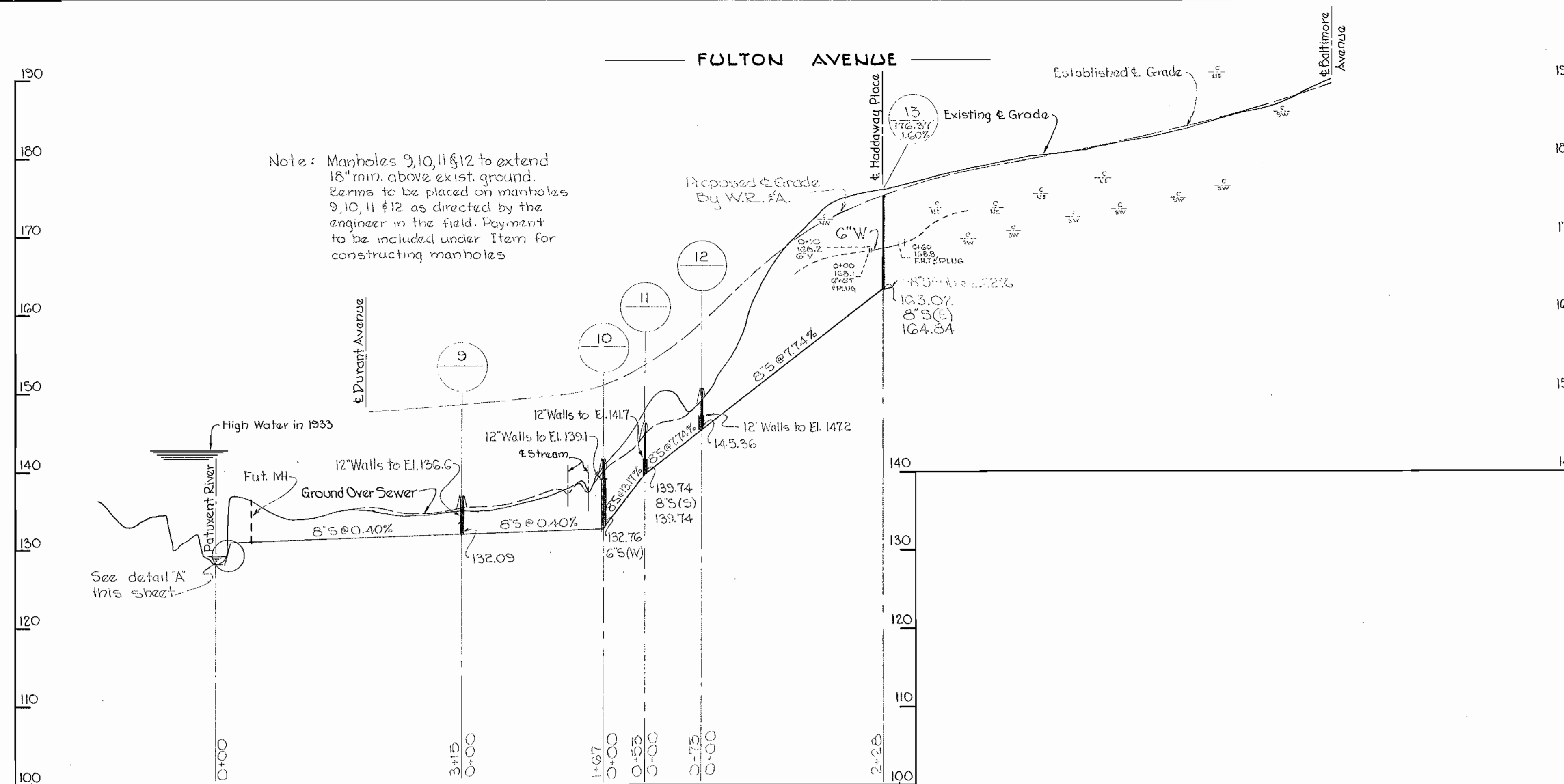
CONTRACT NO. 16 W & S

PLAN OF
WATER AND SEWER MAINS

PATUXENT SUB - DISTRICT

WASHINGTON SUBURBAN
SANITARY COMMISSION
APPROVED FOR WATER OF
DATE
Dec. 21, 1959

DRAWING NO. 1 OF 4
SCALE 1" = 50'



AS BUILT

PART "A"

WASHINGTON SUBURBAN
SANITARY COMMISSION
APPROVED FOR WATER ONLY

Robert J. McLeod Dec. 21, 1959
No. of Extra Sheets: _____

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

HOWARD COUNTY METROPOLITAN COMMISSION
DATE: Jan. 18, 1960
Carl W. Meyer
CHAIRMAN

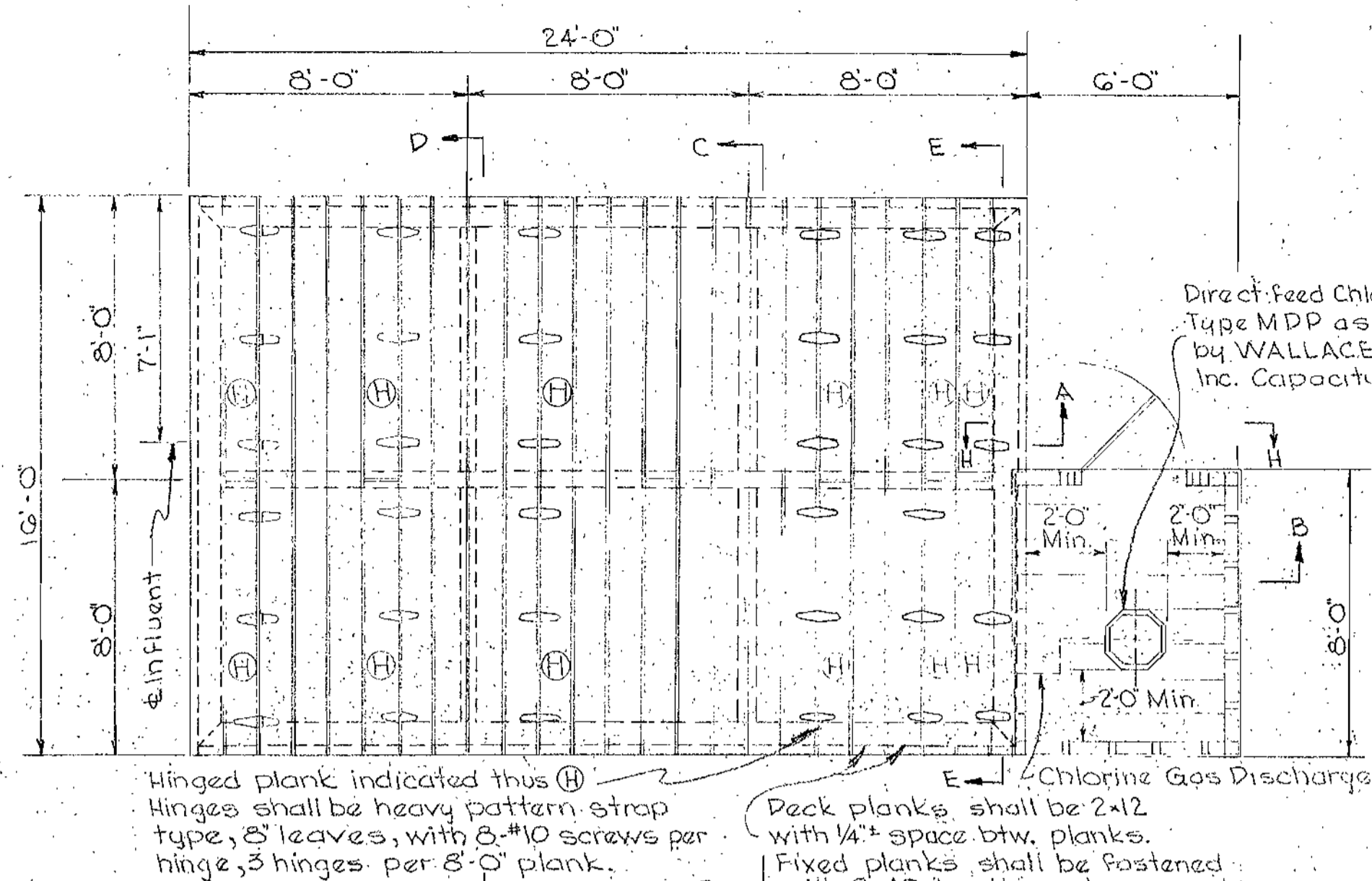
CONTRACT NO. 16 W & S

PROFILES OF
WATER AND SEWER MAINS

PATUXENT SUB - DISTRICT

DRAWING NO. 2 OF 4
SCALE H-1"=100' V-1"=10'
591710
Y

WS 16 W-S/2



Dir. of feed Chlorinator Type MPP as manufactured by WALLACE & Tiernan Co. Inc. Capacity 6 lbs per 24 hours

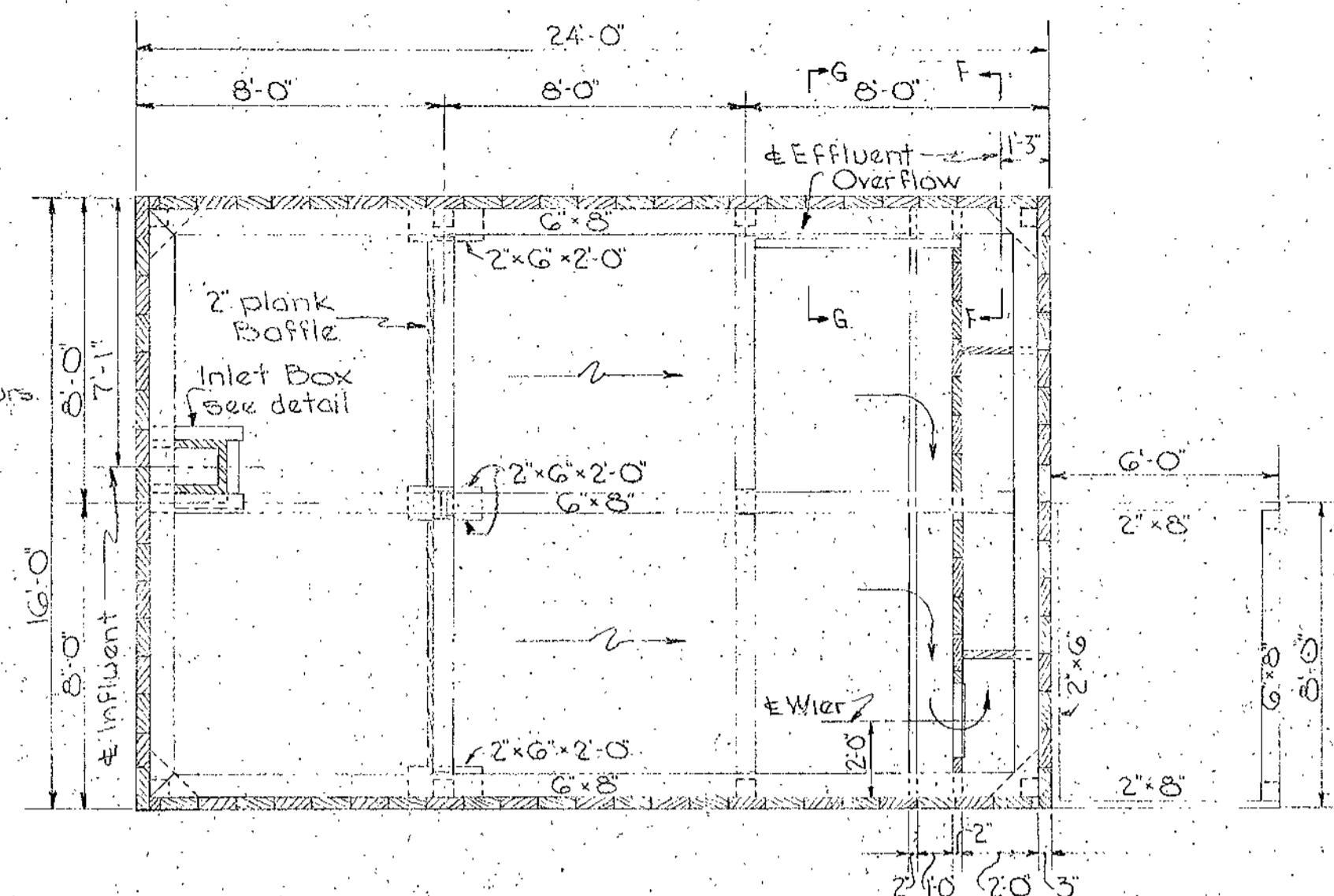
Hinged plank indicated thus \textcircled{H} Hinges shall be heavy pattern strap type, 8' leaves, with 8" #10 screws per hinge, 3 hinges per 8'-0" plank.

Deck planks shall be 2x12 with 1/4" space btw. planks.

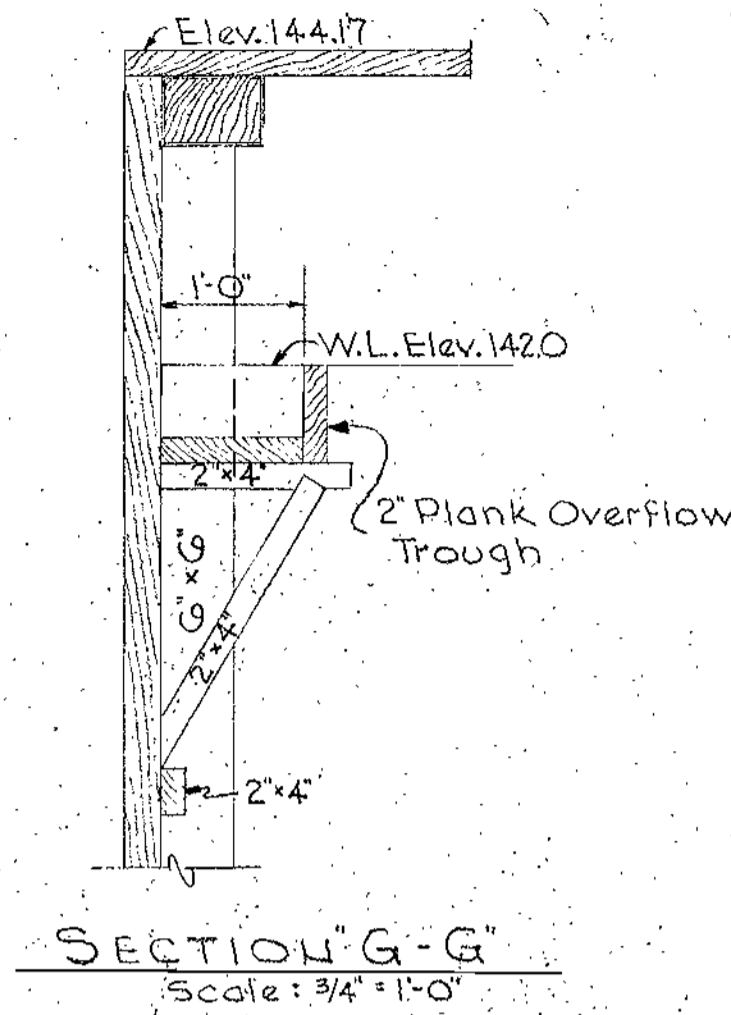
Fixed planks shall be fastened with 2-40d nails each support.

Chlorine Gas Discharge

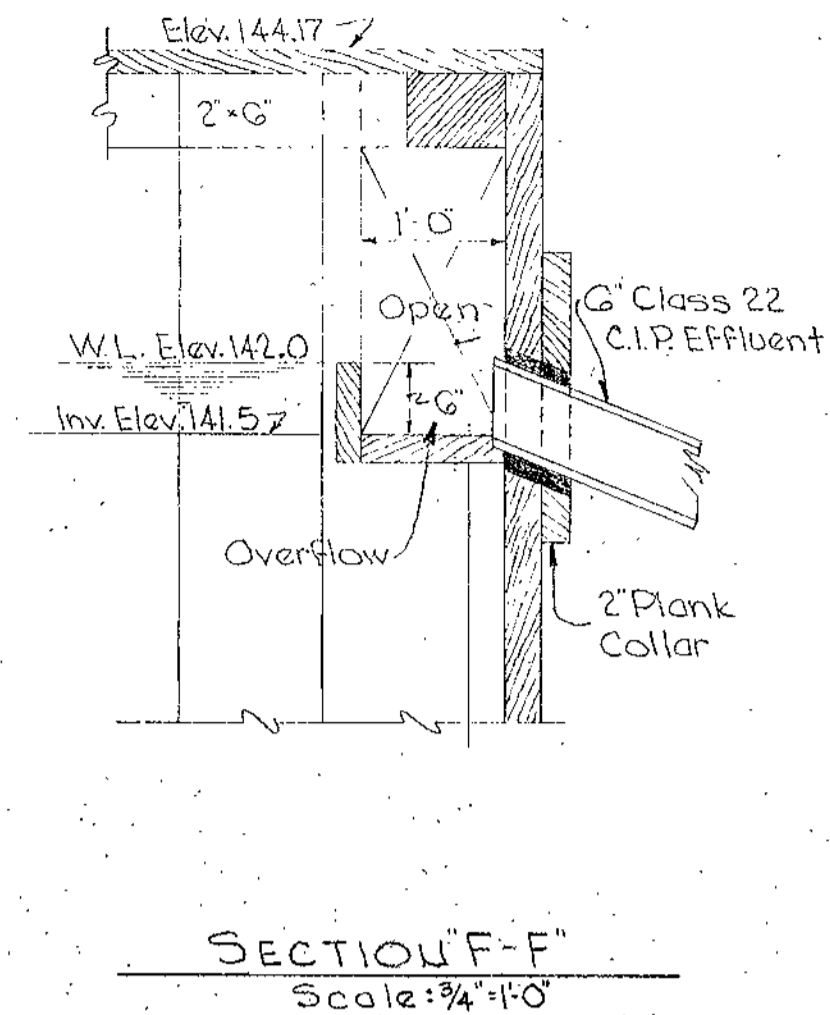
DECK PLAN ELEV. 144.17
Scale: 1/4" = 1'-0"



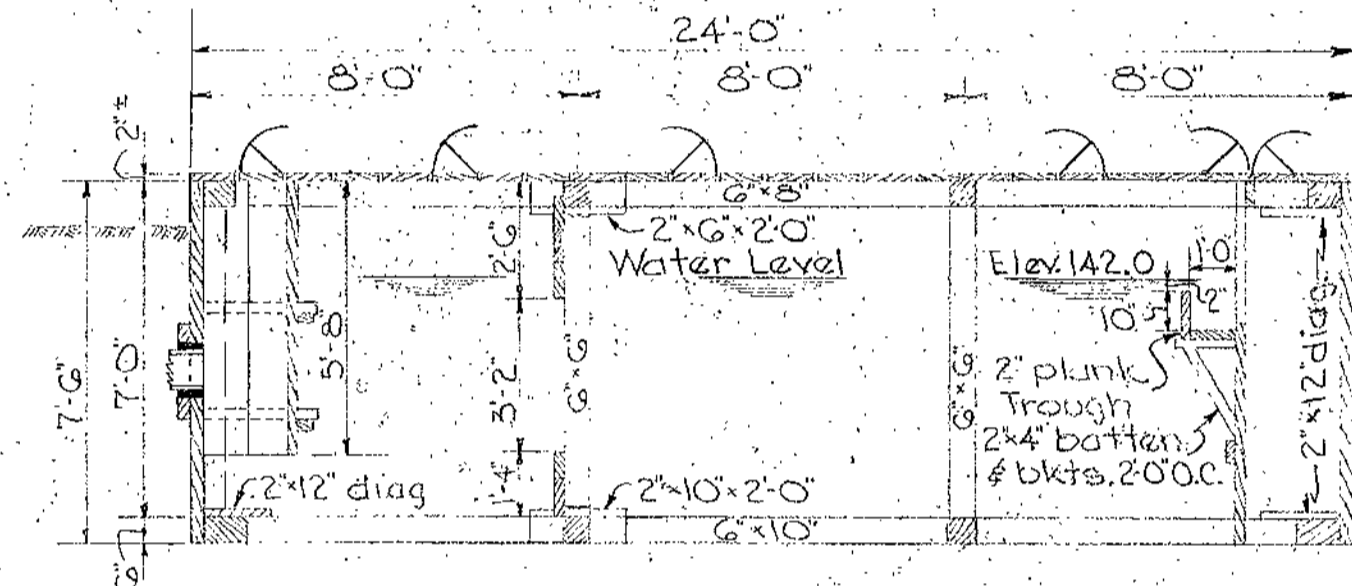
PLAN OF TOP WALES & STRUTS
Scale: 1/4" = 1'-0"



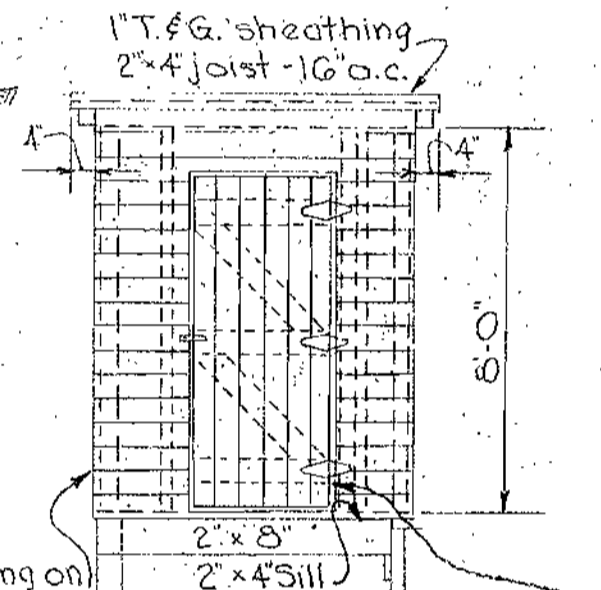
SECTION "G-G"
Scale: 3/4" = 1'-0"



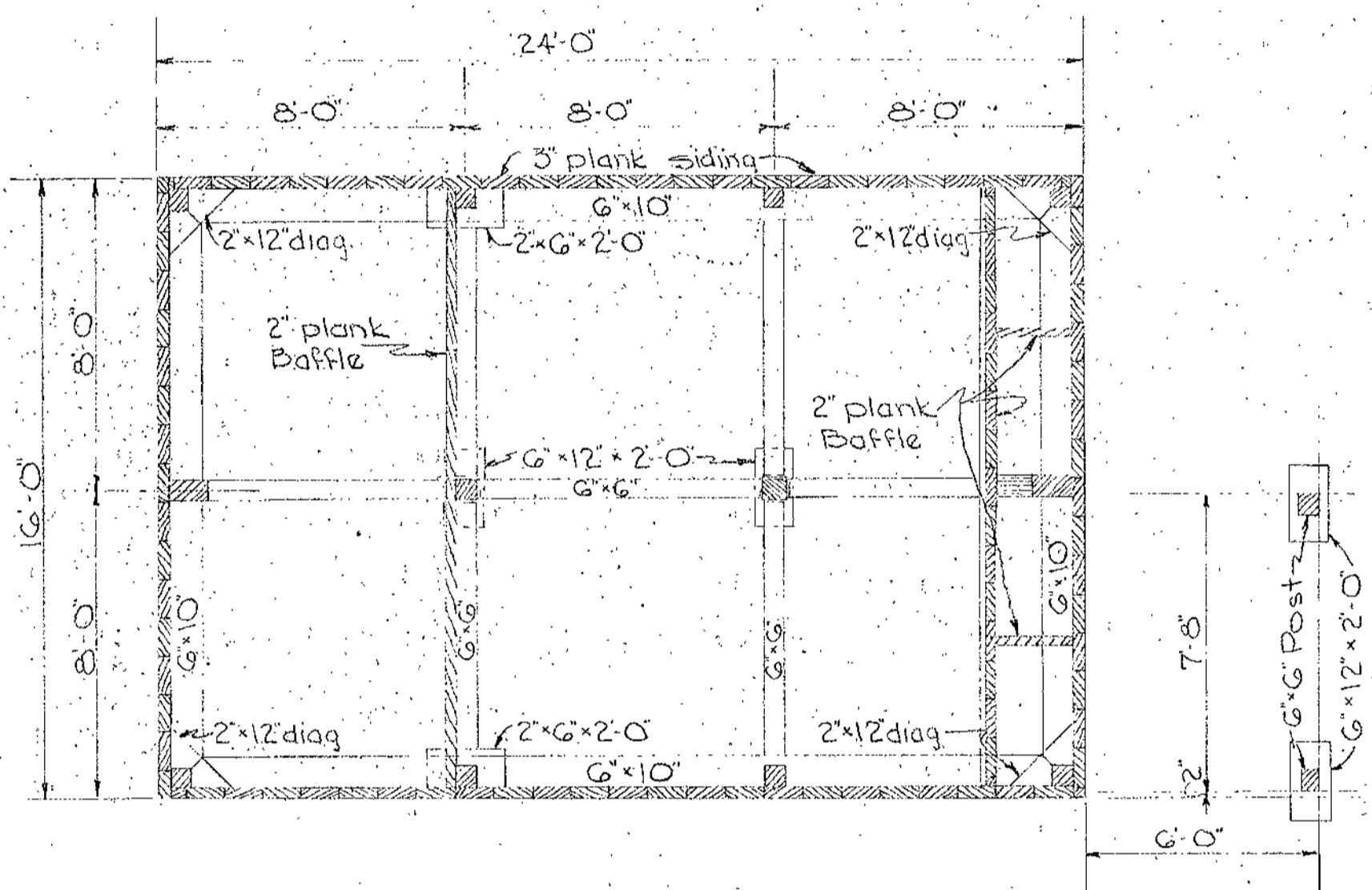
SECTION "F-F"
Scale: 3/4" = 1'-0"



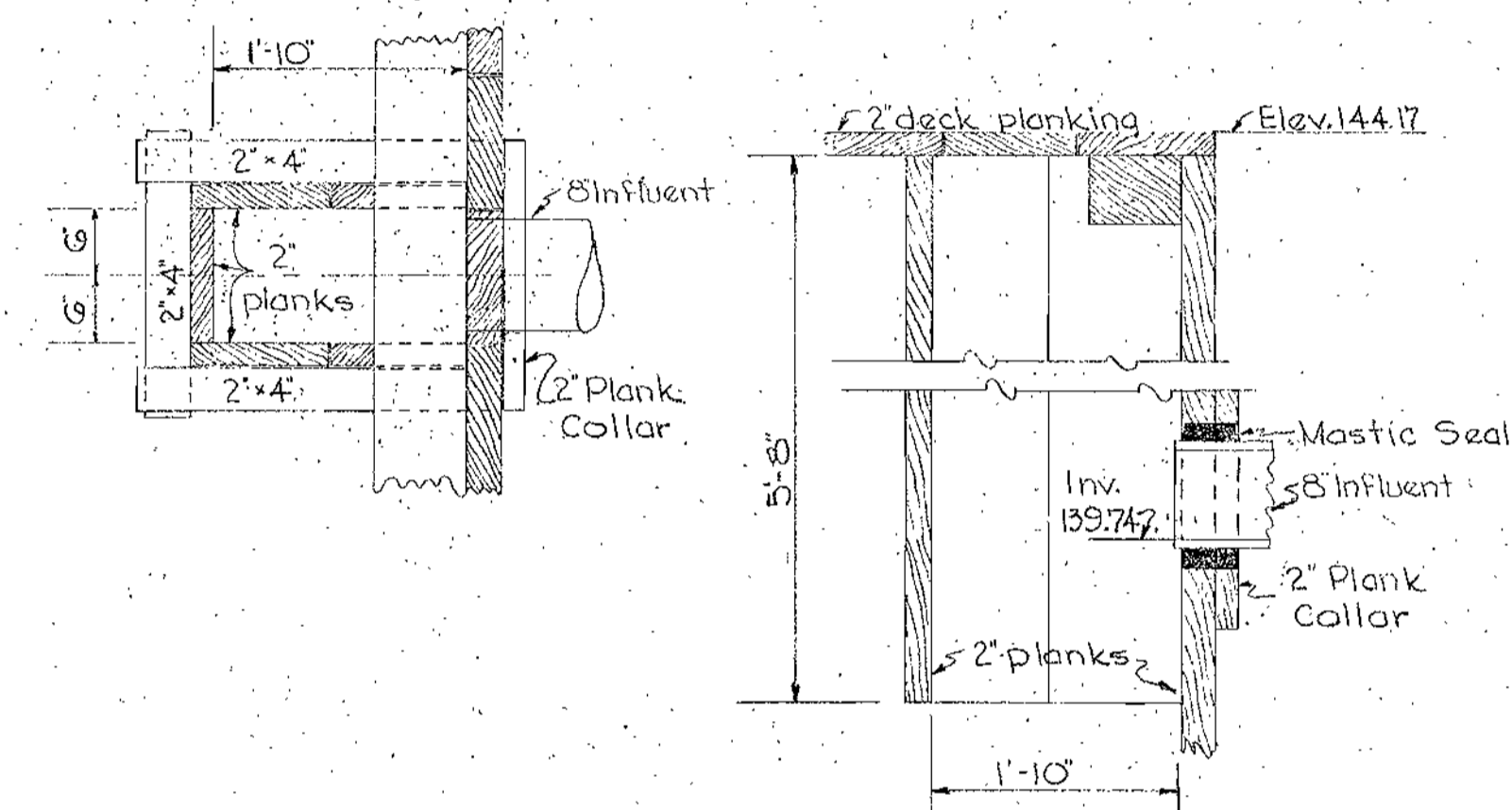
SECTION "A-A"
Scale: 1/4" = 1'-0"



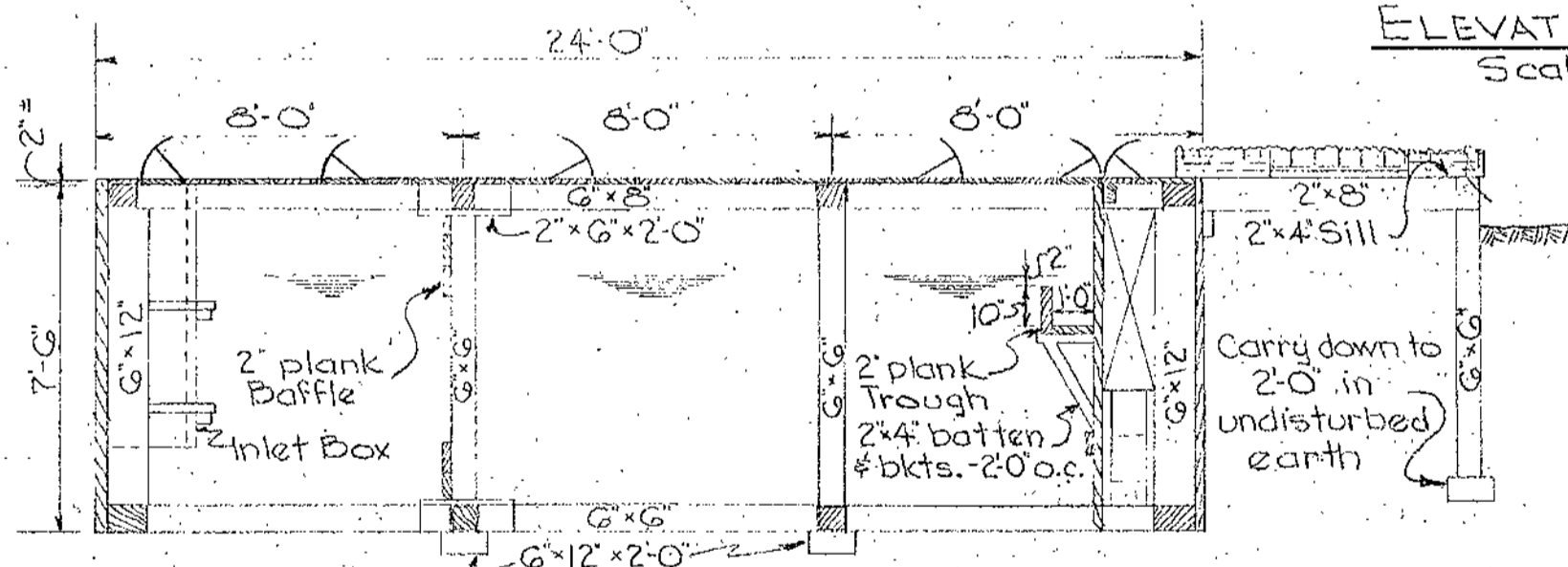
ELEVATION "H-H"
Scale: 1/4" = 1'-0"



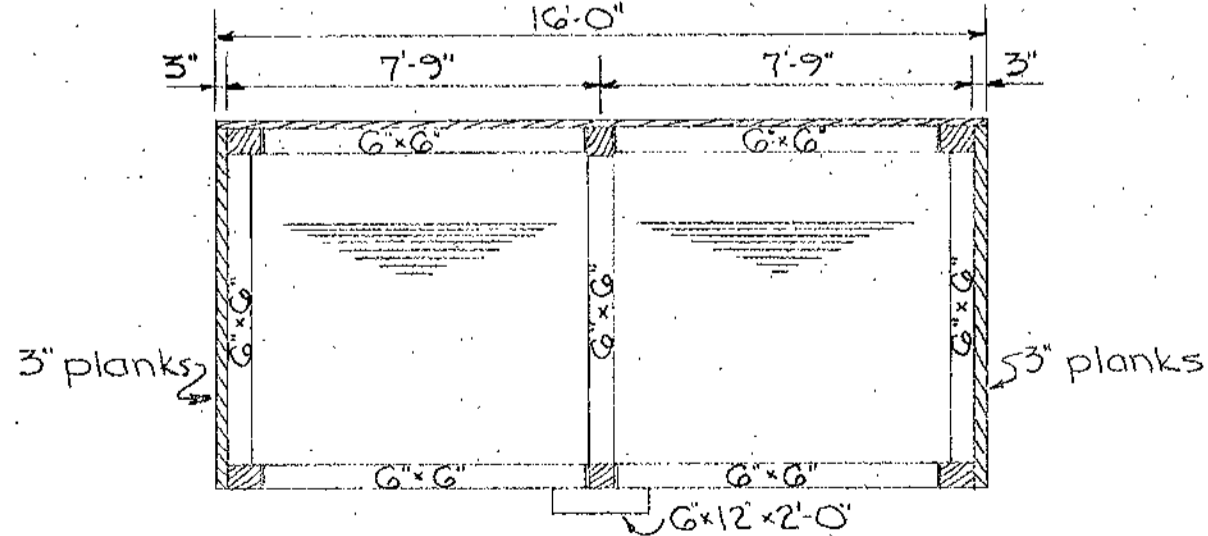
PLAN OF BOTTOM WALES & STRUTS
Scale: 1/4" = 1'-0"



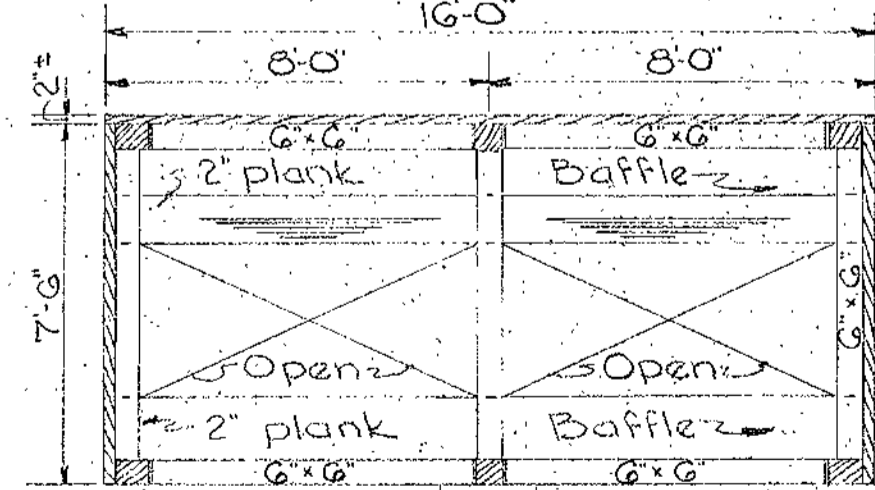
DETAIL OF INLET BOX
Scale: 3/4" = 1'-0"



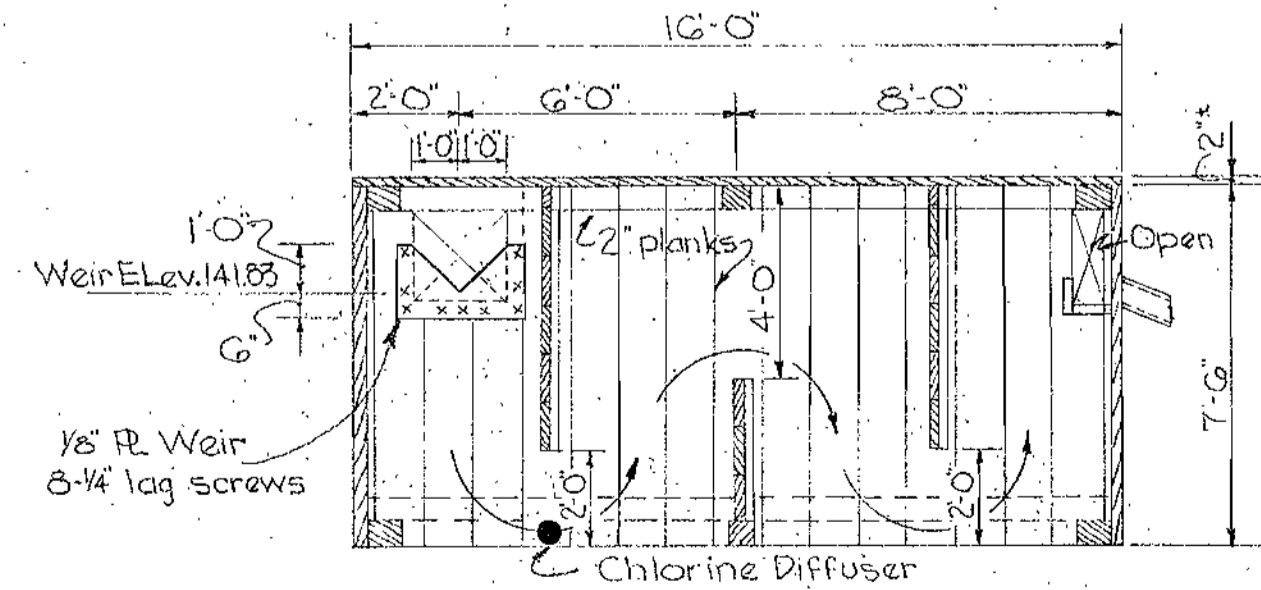
SECTION "B-B"
Scale: 1/4" = 1'-0"



SECTION "C-C"
Scale: 1/4" = 1'-0"



SECTION "D-D"
Scale: 1/4" = 1'-0"



SECTION "E-E"
Scale: 1/4" = 1'-0"

NOTES

1. Plank for deck, sides, baffles, troughs, etc. may be rough sawn, undressed oak, pine or fir. Wales, struts, post, beams, etc. may be rough sawn or dressed at option of contractor. Sides & roof of chlorine shed shall be of No. 2 common dressed pine or fir.
2. Deck planking shall be 2x12-1/4" 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 tarpaper laid in hot tar. All laps shall be nailed. Apply hot tar mop coat over covering.

DESIGN DATA

POPULATION CAPACITY
50 Houses @ 3 persons per house = 150 persons
SEWAGE QUANTITY
150 persons @ 90 gal./capita/day = 13,500 gal./day (3.4 g.p.m.)
Volume Septic Tank = 14,400 gal.
Volume Chlorine Tank = 1200 gal.
Retention Time @ 3.4 g.p.m. = 128 min.

AS BUILT

PART A

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

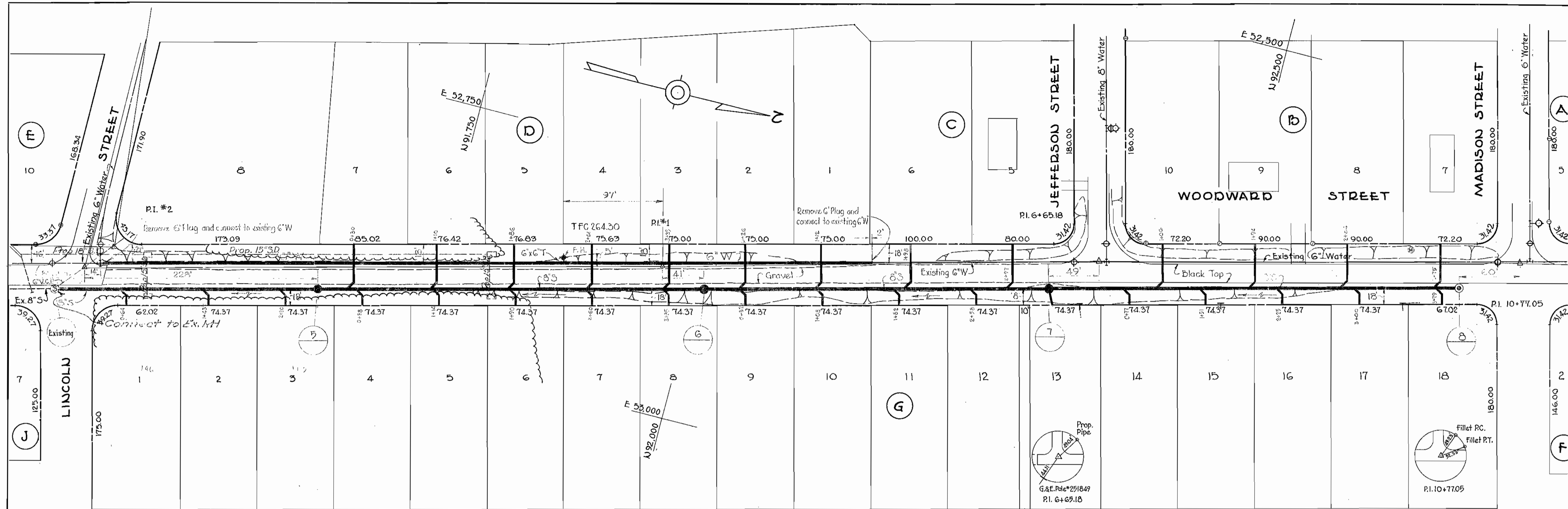
HOWARD COUNTY METROPOLITAN COMMISSION
Jan. 15, 1960
DATE

CONTRACT NO. 16 W-8 S

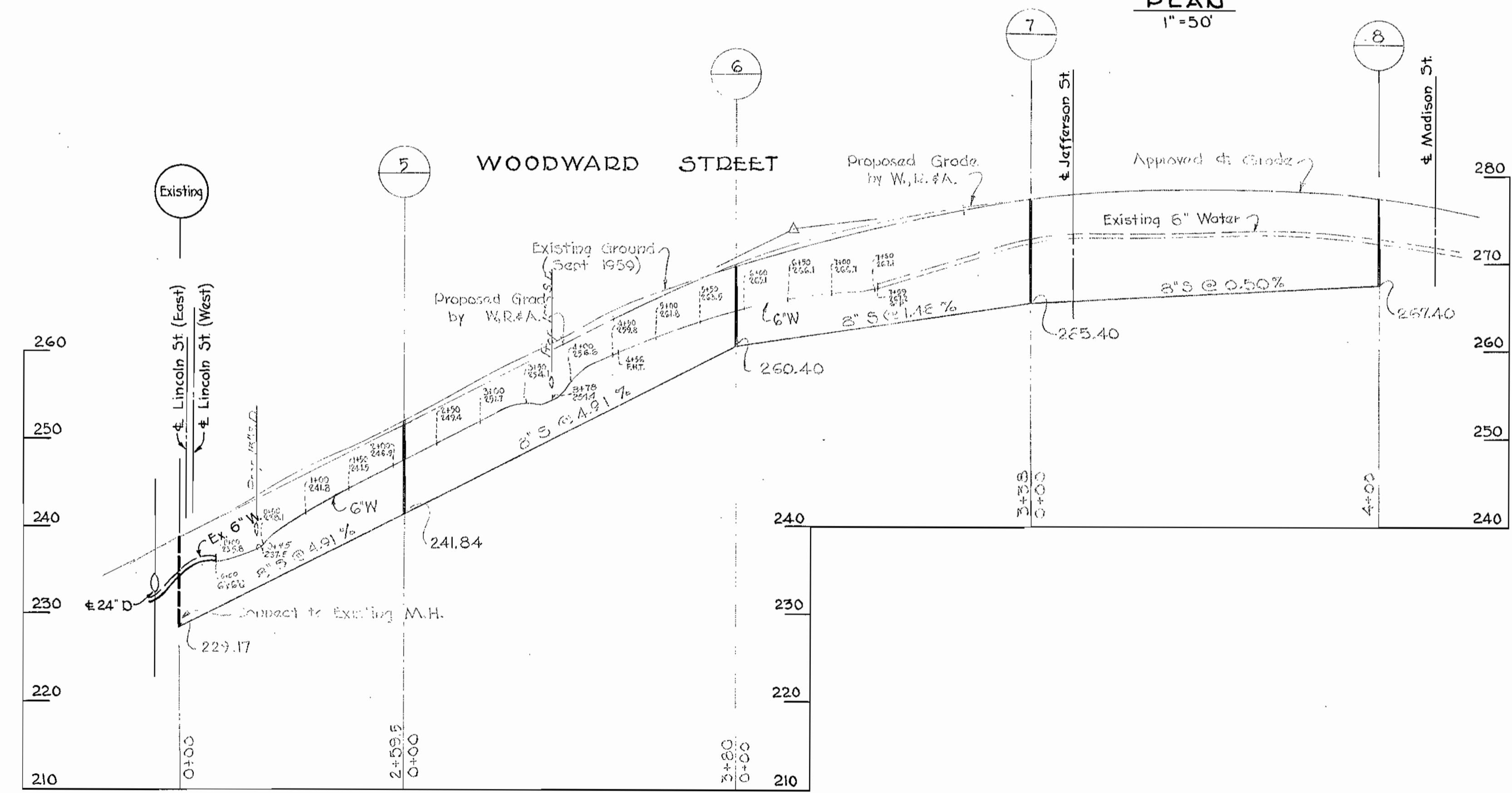
DETAILS
SEPTIC TANK

PATUXENT SUB DISTRICT

DRAWING NO. 3 OF 4 SCALE AS SHOWN

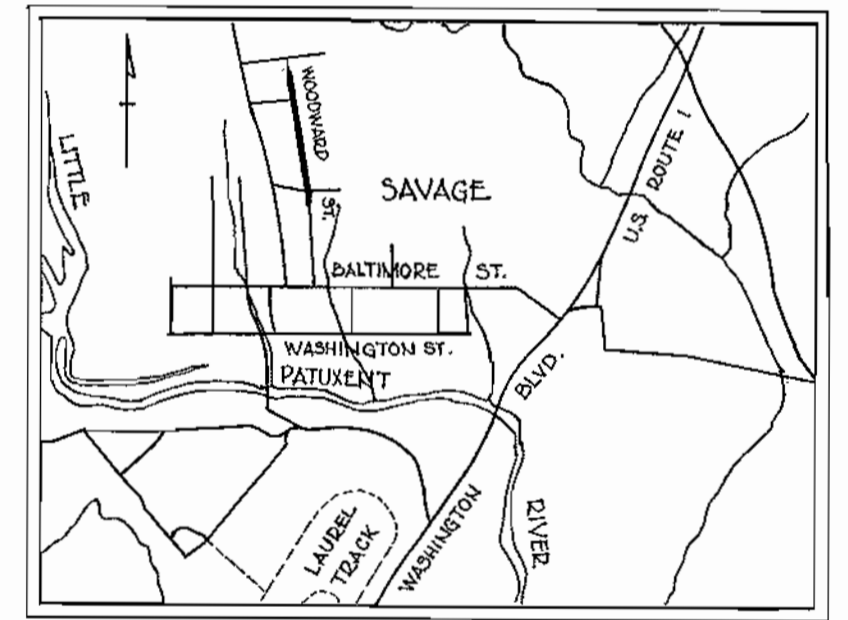


PLAN
1"=50'



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

W.R. & A. B.M. #4-Y Elev. 280.94
 D.R. Spike base A. & C.B.P. Co. Pole #309342
 50' South of Madison Street on West
 side of Savage-Guilford Road.



VICINITY MAP
Scale: 1"=2000'

AS BUILT

All main line water pipe to be Cast Iron, Class 22.
 Use wood to block GxG-T, see Standard Detail #57806-L.

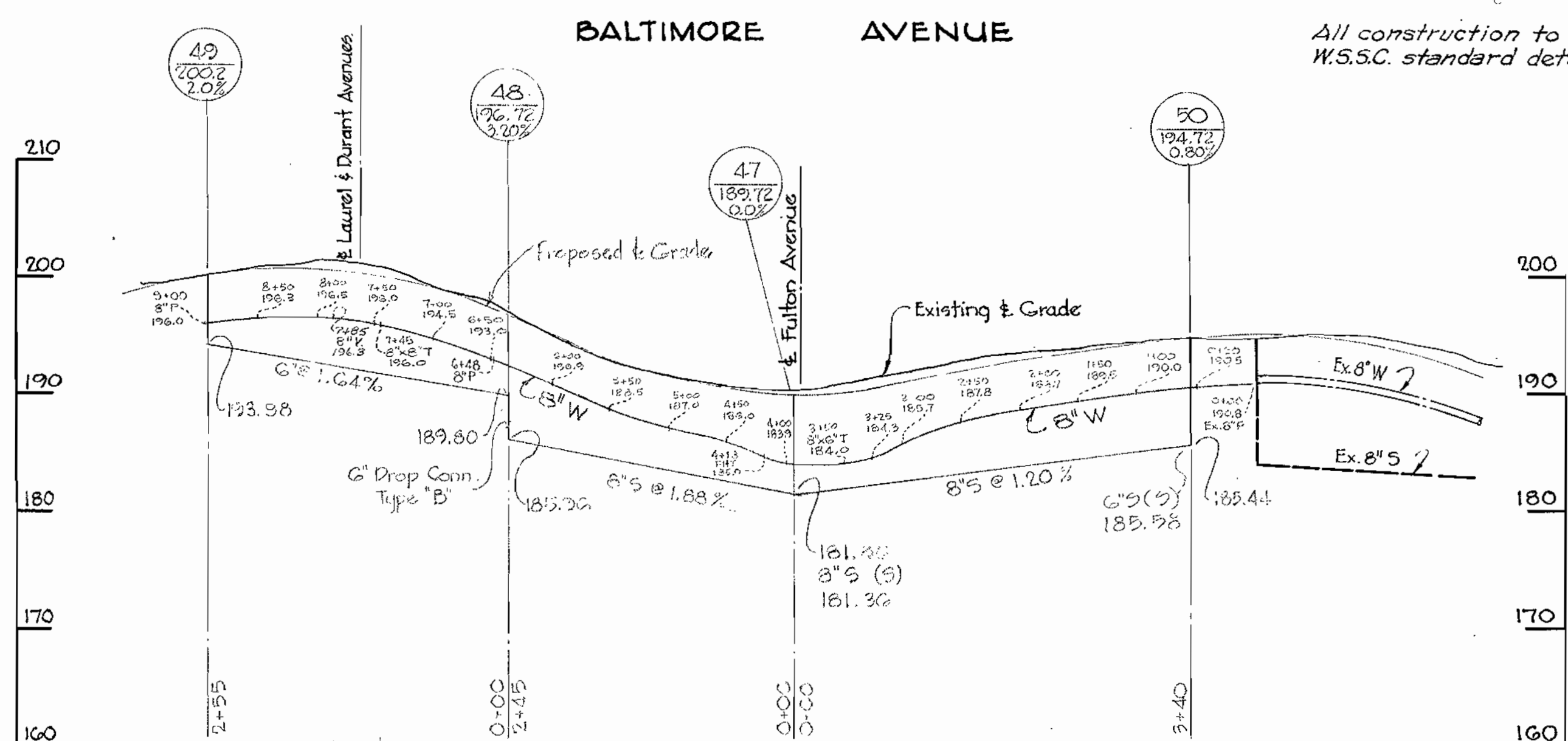
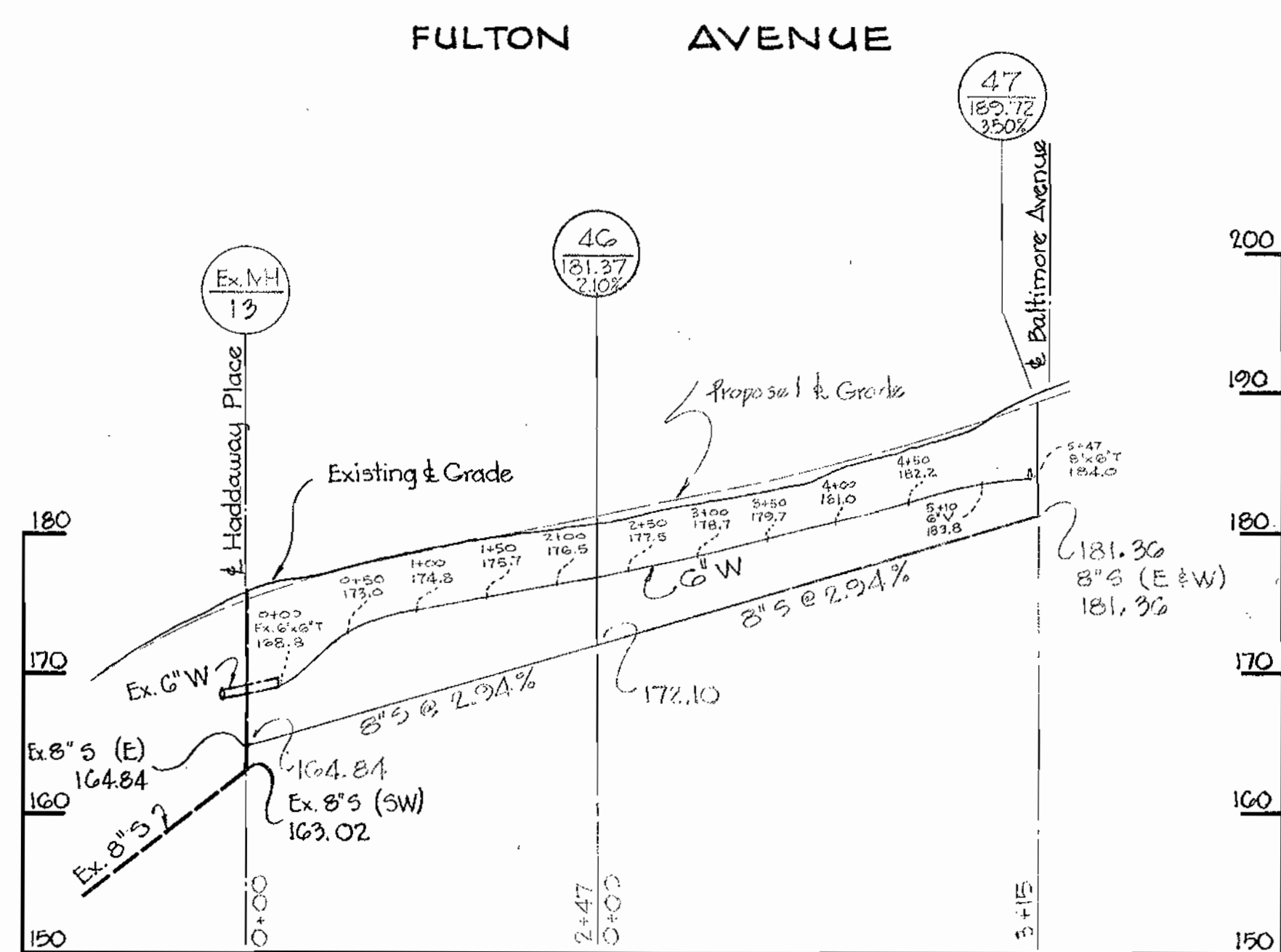
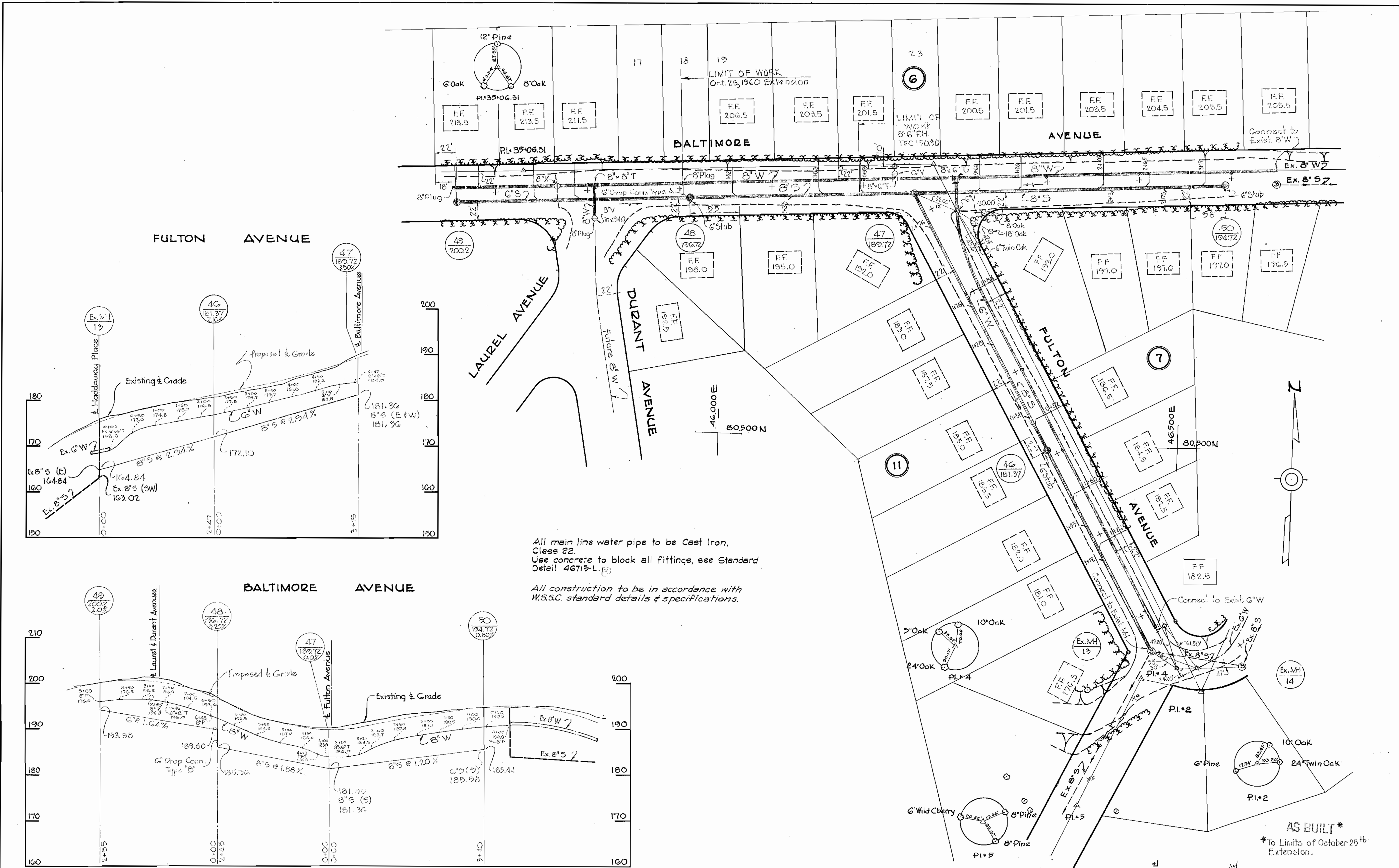
EXAMINED FOR	DATE
STORM SEWERS	12/1/59
R/W-REQ'D.	
OTHER UTILITIES	

PART 'B'

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Oct. 1, 1959 DATE <i>Carl W. Manger</i> CHAIRMAN	CONTRACT NO. 16 W & S	PLAN & PROFILE WATER & SEWER EXTENSIONS	PATUXENT SUB-DISTRICT NO. 2	WASHINGTON SUBURBAN SANITARY COMMISSION APPROVED FOR WATER ONLY <i>R. J. M. Loh</i> CHIEF ENGINEER Dec. 4, 1959 DATE
					DRAWING NO. 4 OF 4

WS 16 W-S/4

NO 1946-2



PROFILE
Scale: H: 1" = 100'
V: 1" = 10'

PLAN
Scale: 1" = 50'

All main line water pipe to be Cast Iron, Class 22.
Use concrete to block all fittings, see Standard Detail 46715-L.
All construction to be in accordance with W.S.S.C. standard details & specifications.

AS BUILT*
*To Limits of October 25th Extension.
WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED FOR WATER ONLY
9-8-60
CHIEF ENGINEER DATE

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION DATE _____ CHAIRMAN	CONTRACT NO. 16 W & S	PLAN & PROFILES OF WATER AND SEWER MAINS	PATUXENT SUB - DISTRICT	DRAWING NO. 4A OF 4 SCALE AS SHOWN DATE 10/13/60 41 NW 16-34
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4846-2

Oct. 25, 1960

WS 16 W-S/4A