

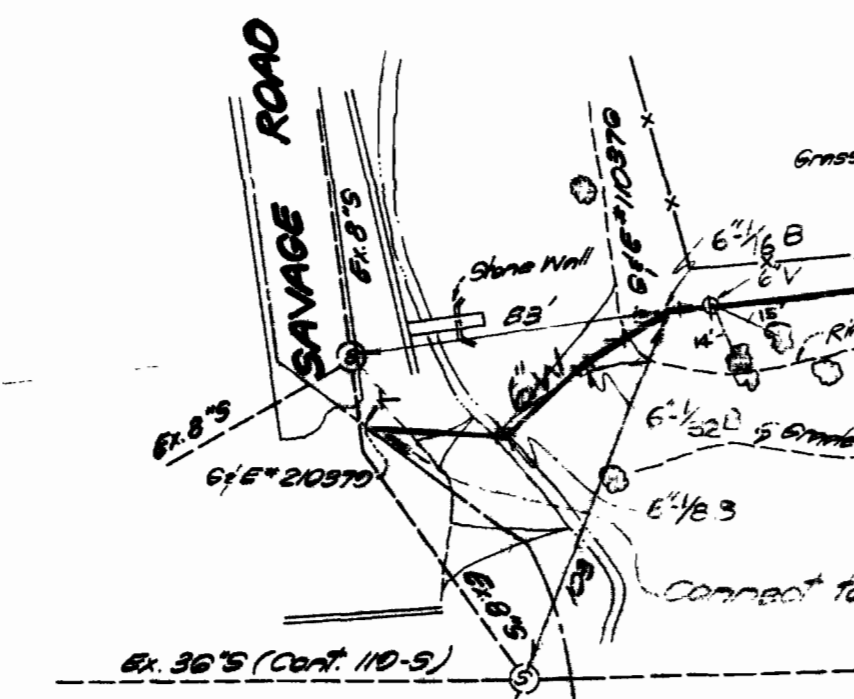
**SECTION A-A
DETAIL NO. 1 & 5**
No Scale

Rip-Rap to consist of heavy rocks of random shapes and sizes, resistant to the action of air, and water, and suitable for bank protection. All rocks shall weigh a minimum of 150 pounds.

NOTE:
Poly Filter X shall be as manufactured by Cartridge Mills, Inc. Division Central Division, 124 N. 80th Street, Cincinnati, Ohio or approved equal.

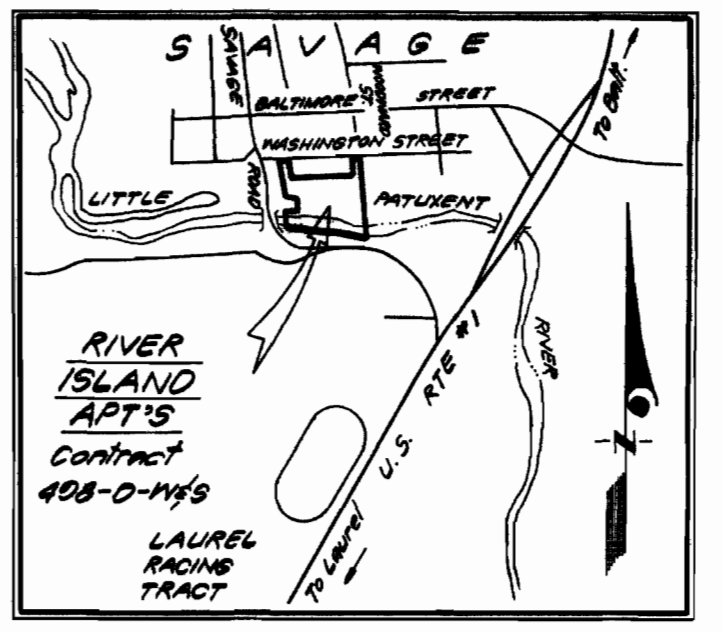
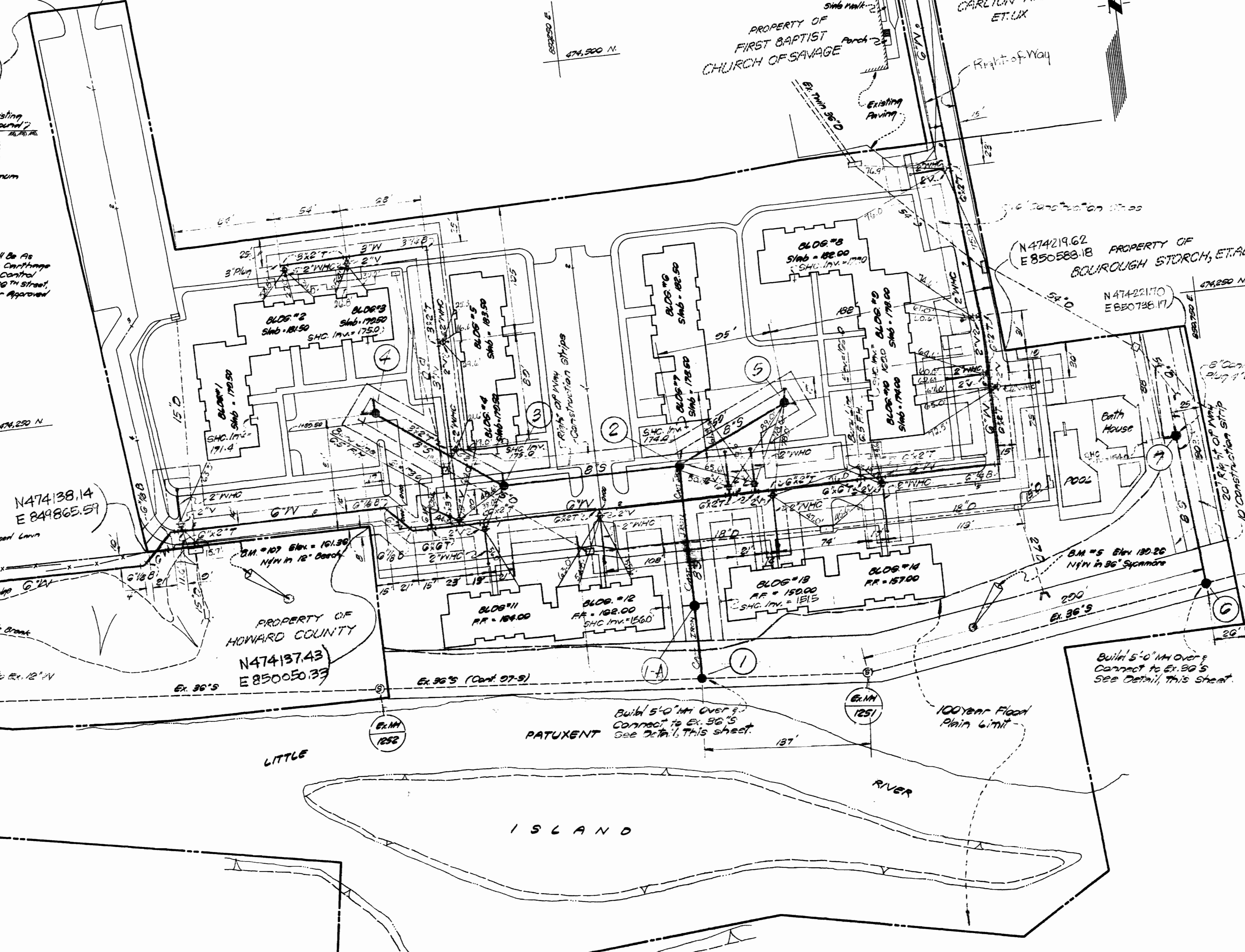
RIP-RAP DETAIL
Scale: 3/8"=1'-0"

Maintain 1' Min. S. Clearance Between Rip-Rap and Top of Pipe



WASHINGTON

STREET



GENERAL NOTES

- 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.
- All pipe elevations are invert (I) elevations.
- The contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in vicinity of utilities.
- For all standard details see standards bound in Specifications.
- Clear all utilities by a minimum of 6'; Clear all poles by a 2'-0" minimum or tunnel as required.
- The contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
- All manholes shall be 4'-0" inside diameter, unless otherwise noted.
- All water mains to have a minimum of 3 1/2' cover unless otherwise noted.
- Block all fittings with concrete, standards bound in Specifications.
- Bury line elevations on fire hydrant's shall be set to the elevations shown on the drawings.
- All fire hydrant's shall be strapped to the tee and shall be buttressed with concrete in accordance with standard details.
- All horizontal and vertical controls are based on Maryland State Datum.
- All water house connections shall have valves.
- Contractor shall verify location of W.H. & S.H. connections @ buildings before proceeding with construction of onsite facilities.
- All water mains shall be C.I.P., D.I.P. or A.C.P.X. unless otherwise noted.
- Contractor shall take all necessary precautions to protect existing mains & service connections and maintain uninterrupted supply. Any damage incurred shall be repaired immediately.
- Contractor shall notify The Balto. Gas & Electric Co. 72 hours in advance of excavation by calling 301-530-8000 Ext. 60.
- Contractor shall notify the C&P Telephone Co. prior to any construction in the vicinity of any telephone co. facilities by calling collect 301-685-0400 in Baltimore Md.
- Hydraulic Gradient = 400'.

QUANTITIES	
3" Water	350'
6" Water	1520'
8" Sewer	670'
Fire Hydrant's	8

No. of DWELLING UNITS = 144
RIVER ISLAND APT.
SAVAGE, MD.
CONTRACT NO. 498-D-MYS

- REVISIONS:**
- Revised Sewer Alignment & Profile - Feb. 21, 1978 - S.J.B.
 - Added M.I.A. & Revised Sewer Profile from Sta. 1+14 to 2+1/4/74

PLAN
Scale: 1"=50'



JOHNSON - MCCORDIC - THOMPSON
ENGINEERS - PLANNERS - SURVEYORS
10750 COLUMBIA PIKE - SILVER SPRING, MD.
20901 558-2900

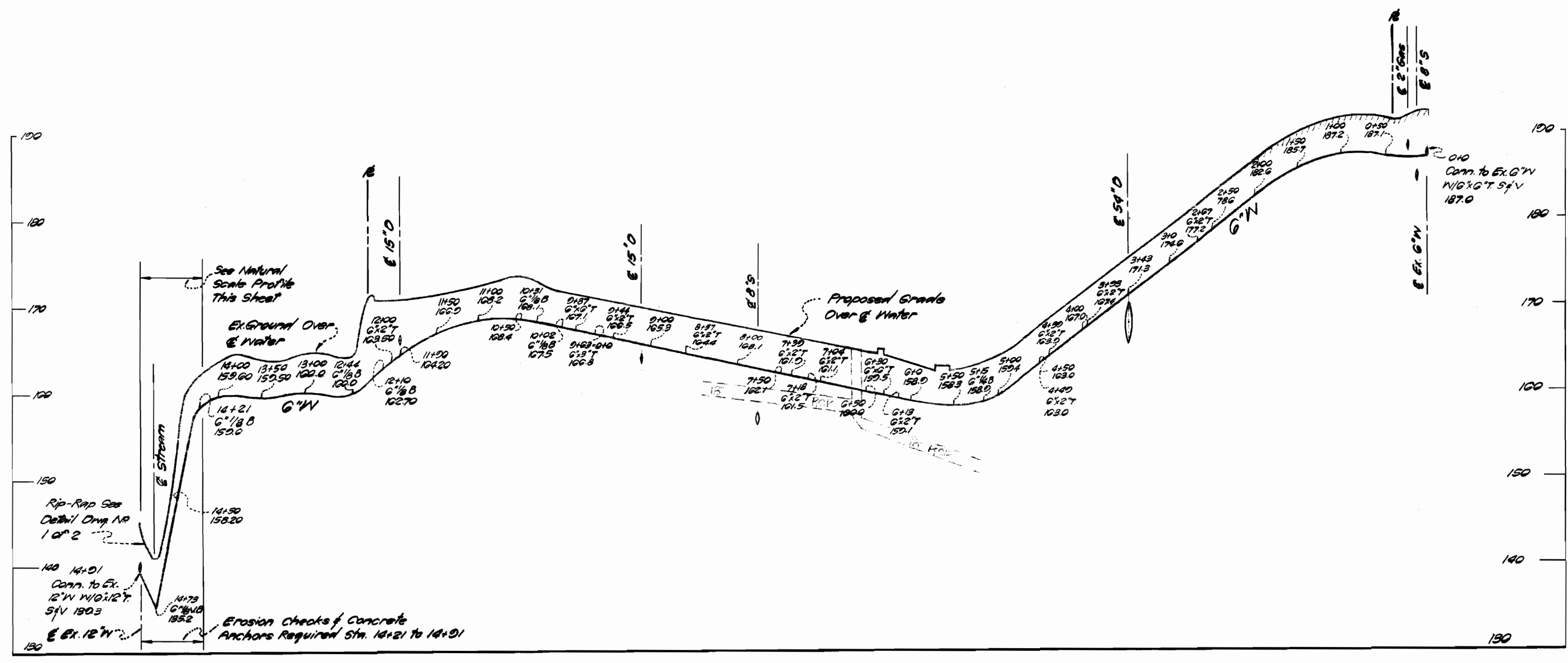
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
W.O. Palbert
CHIEF-BUREAU OF WATER AND SEWER

CONTRACT NO. 498-D-MYS

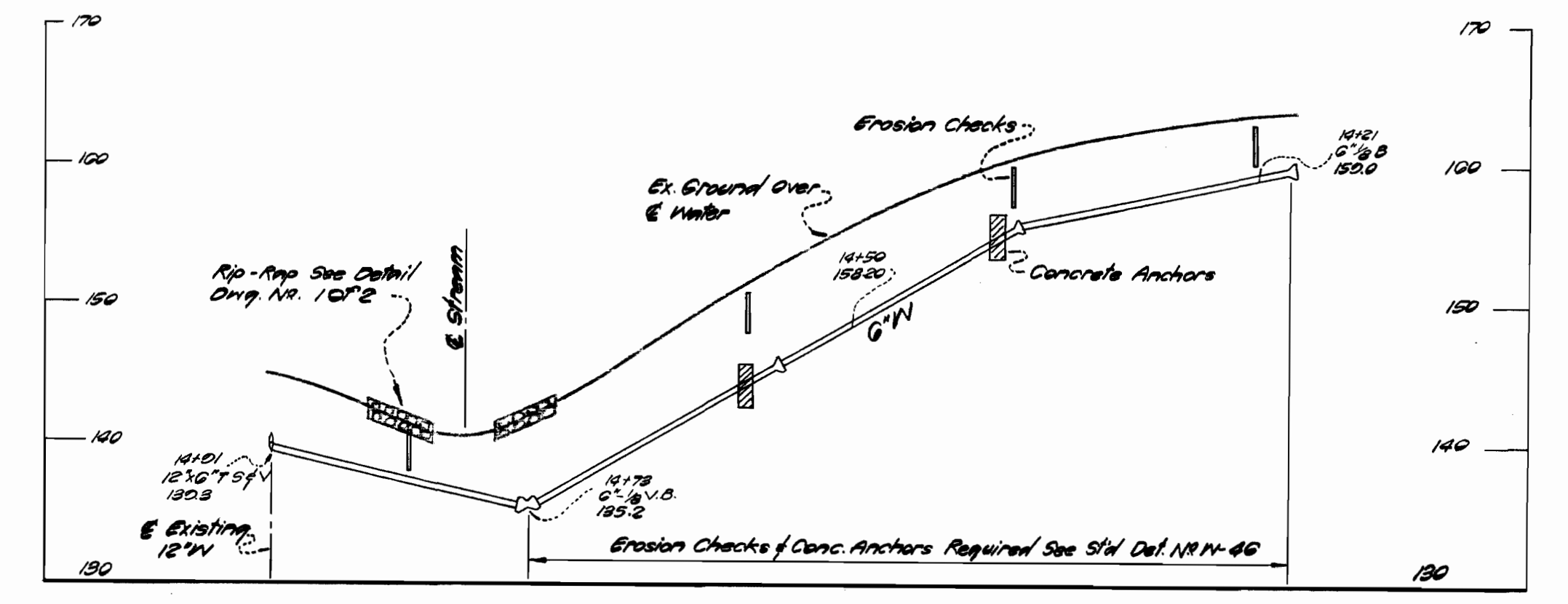
PLAN OF
WATER & SEWER MAINS

RIVER ISLAND APARTMENT
ELECTION DISTRICT GULFORD NO. 6

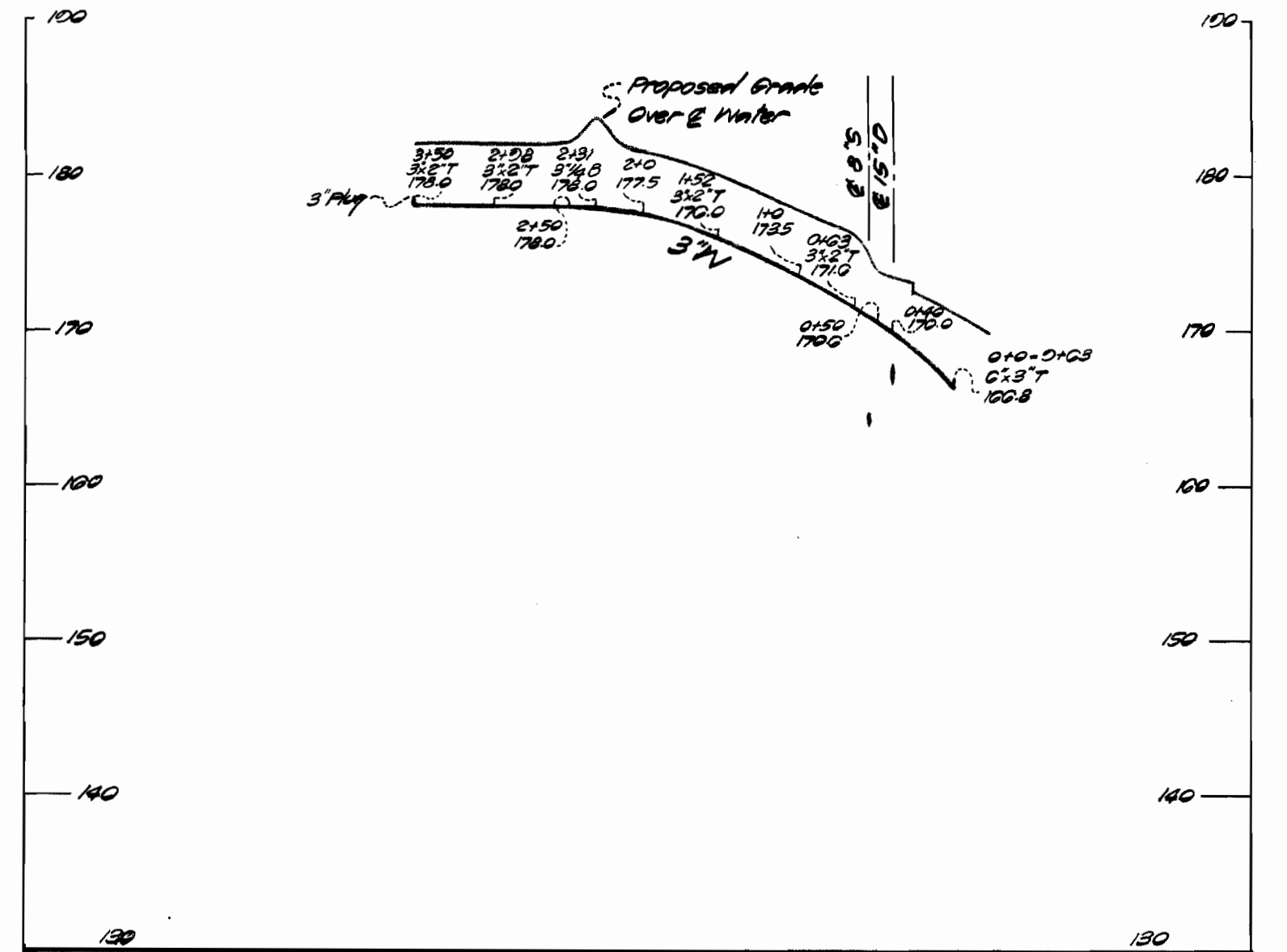
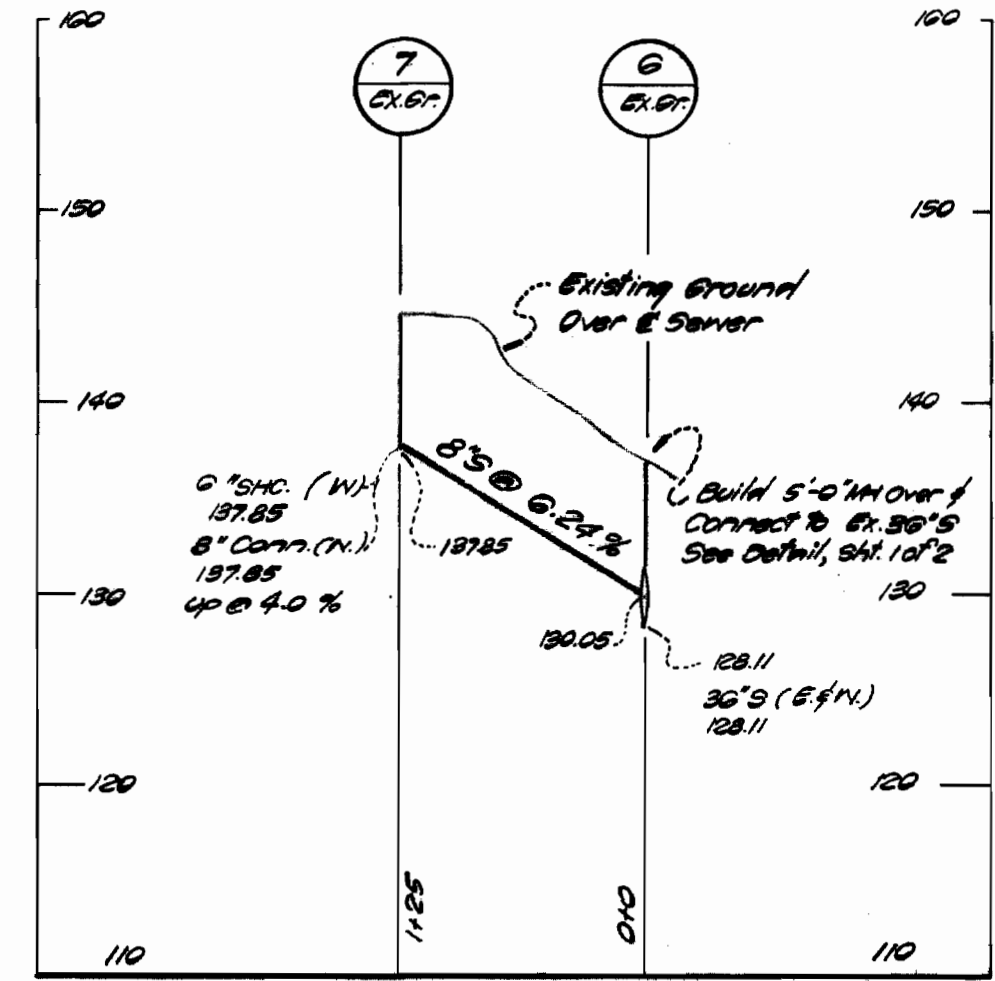
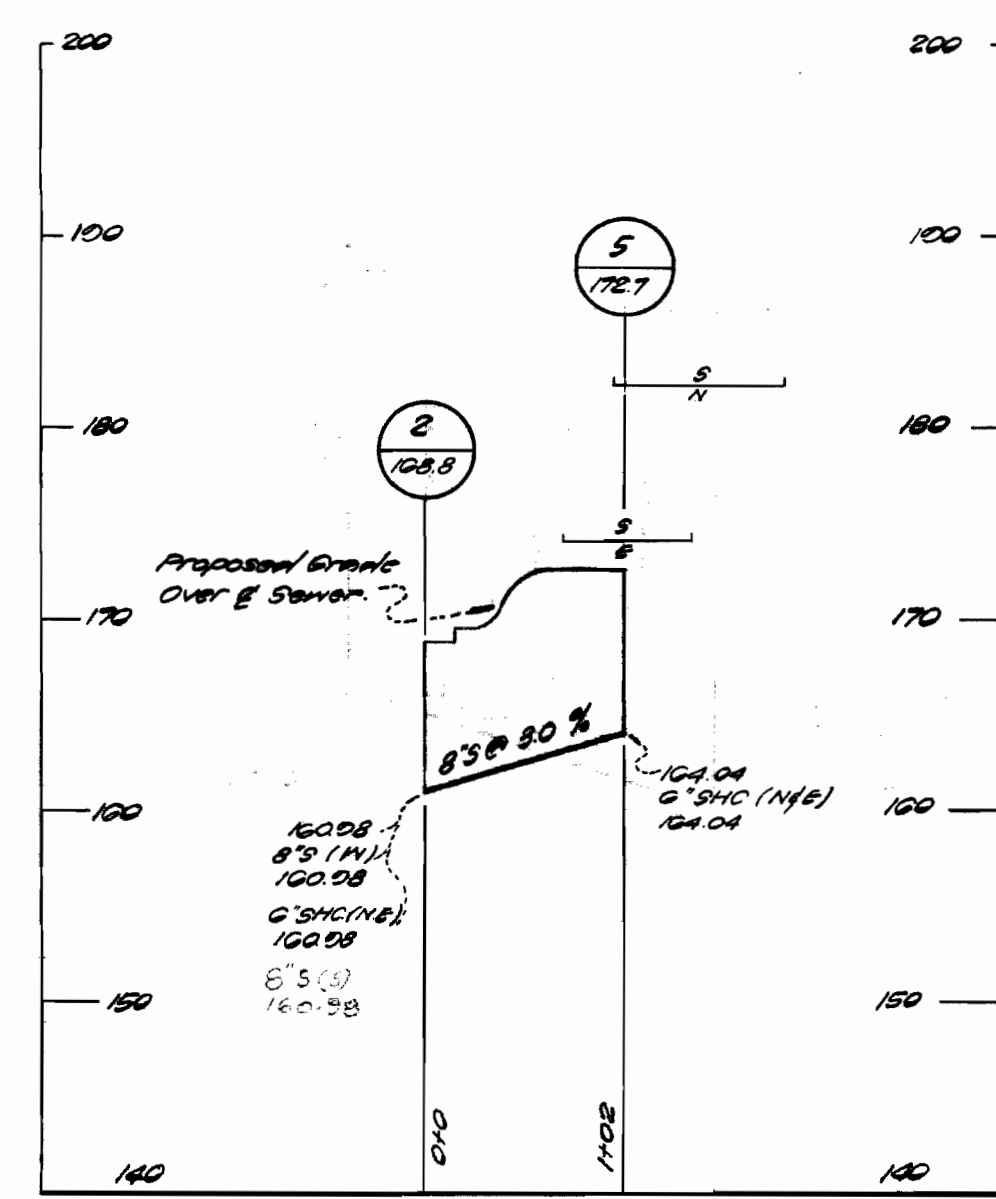
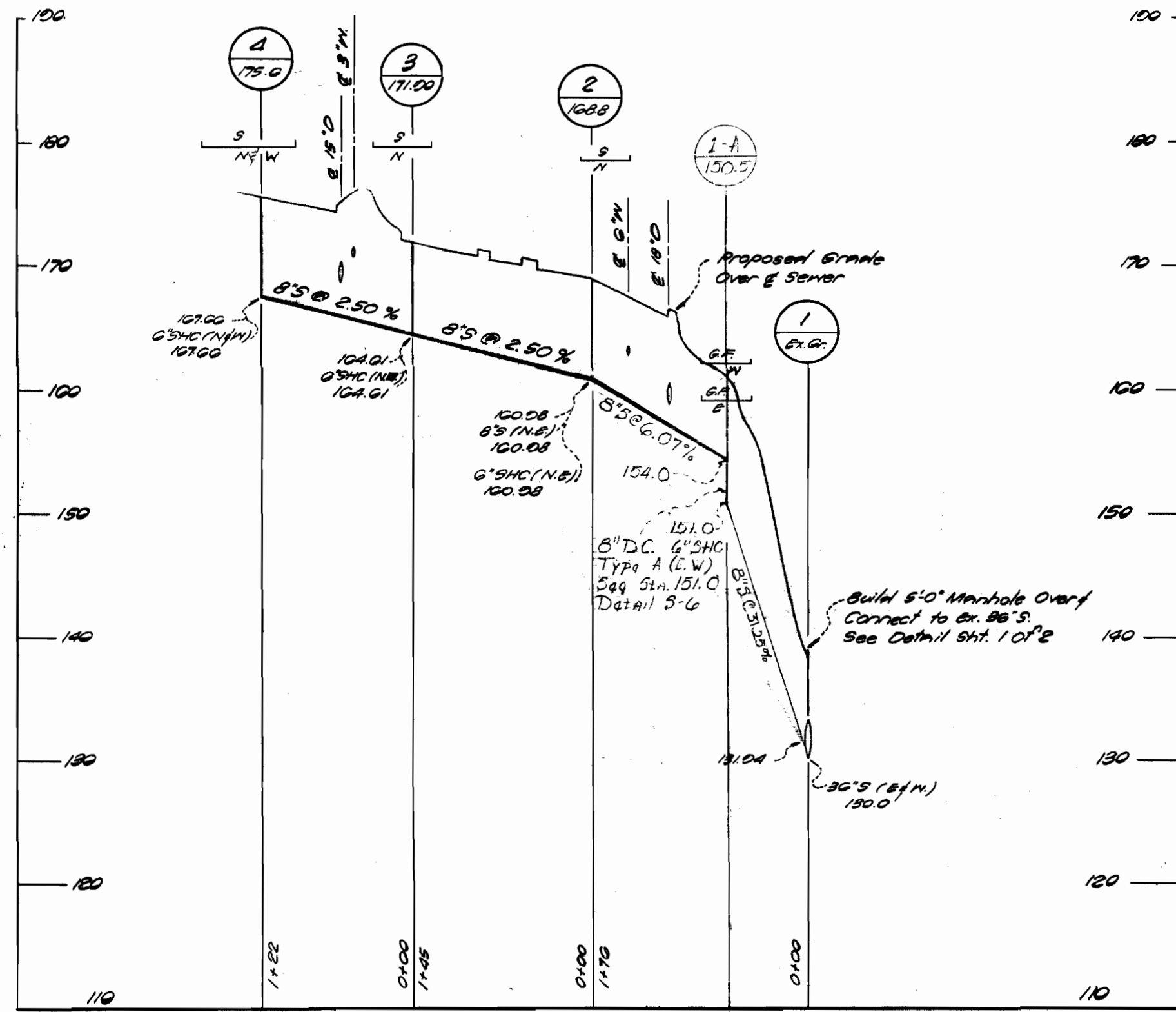
DRAWING NO. 1 OF 2 SCALE AS SHOWN



PROFILE SCALE
 HORIZ. 1"=100'
 VERT. 1"=10'

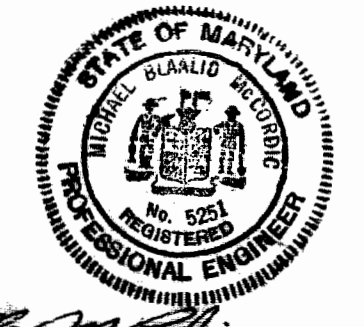


PROFILE
G WATER
 STA. 14+21 TO STA. 14+01
 HORIZ. 1"=10'
 SCALE: VERT. 1"=10'



PROFILES
 SCALE: HORIZ. 1"=100'
 VERT. 1"=10'

REVISIONS:
 1 Revised Sewer Alignment of Profile - Feb. 21, 1978 - BJB



WJH/MLK 8-15-78

JOHNSON - MCCORDIC - THOMPSON
 ENGINEERS - PLANNERS - SURVEYORS
 10730 COLUMBIA PIKE - SILVER SPRING, MD.
 20901 593-2990

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 10-17-78 DATE
 W.O.F. Witt
 CHIEF BUREAU OF WATER AND SEWER

CONTRACT NO. 498-D-1445

PROFILE OF
 WATER & SEWER MAINS

RIVER ISLAND APARTMENT
 ELECTION DISTRICT GULFORD NO 6

DRAWING
 NO. 2
 OF 2

SCALE
 AS SHOWN

WS 498 WBS/2