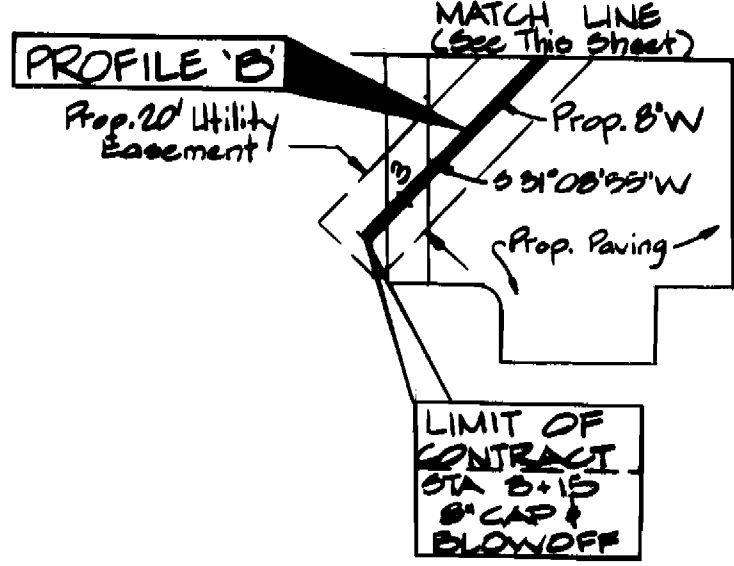


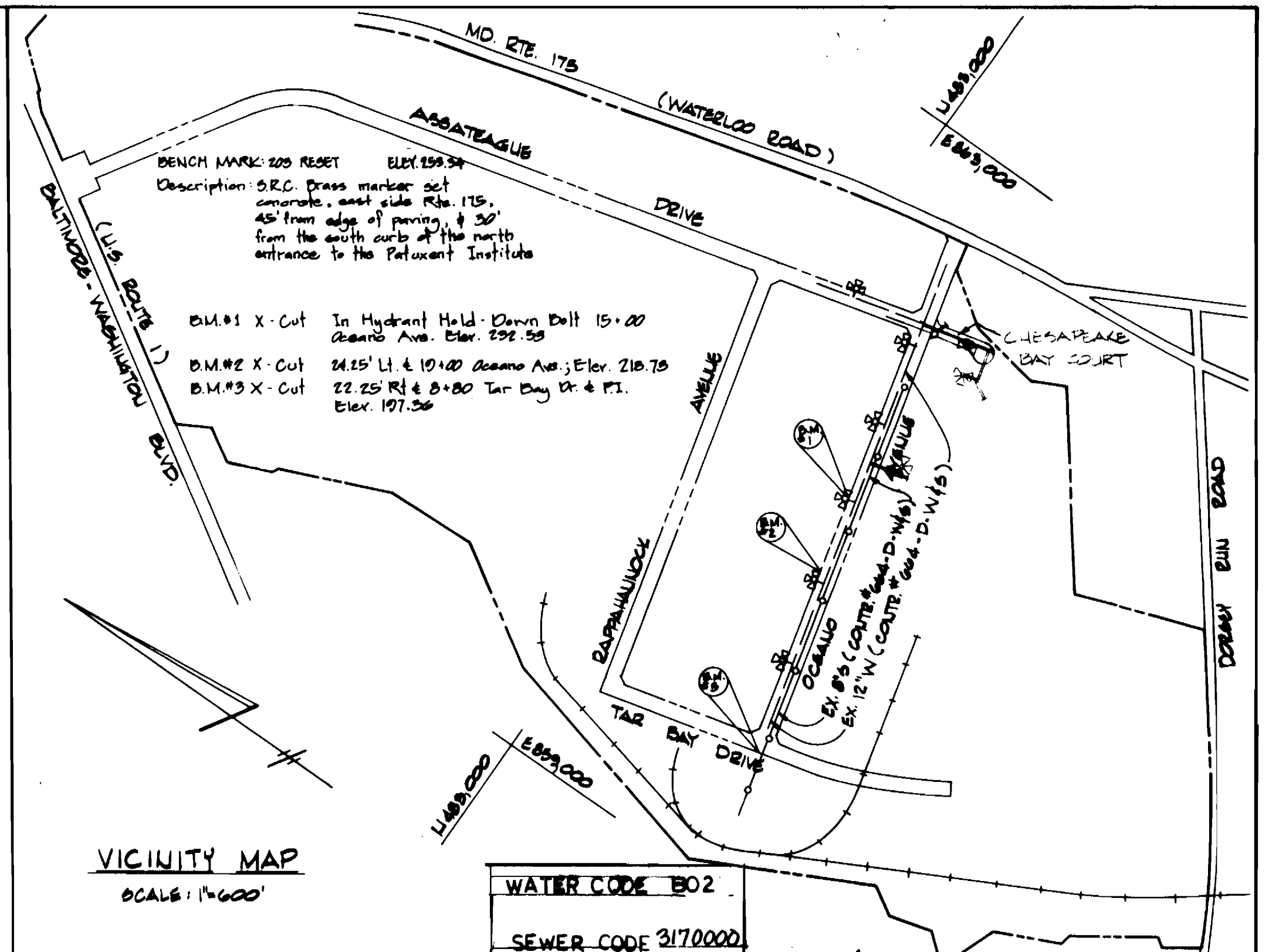
ITEM	ESTIMATED AS-BUILT	MATERIAL/SUPPLIER
12" WATER	2 EA.	DIP/Water & Sewer S. Inc.
12" VALVE	1 EA.	"
12" TEE	1 EA.	"
12" BEND	2 EA.	"
12" TAPPING	2 EA.	"
6" WATER	192 L.F.	137 L.F.
6" VALVE	3 EA.	C.I./
6" ROADWAY BOX	3 EA.	D.I.P./
6" ROADWAY BOX	3 EA.	"
8" REDUCER	1 EA.	"
8" WATER	919 L.F.	319 L.F.
8" TEE	1 EA.	"
8" BEND	1 EA.	"
12" TAPPING TEE	1 EA.	"
2" WATER	40 L.F.	40 L.F.
12" CAP	1 EA.	"
8" CAP	2 EA.	"
8" CAP	1 EA.	"
8" VALVE	2 EA.	"
2" WATER METER	1 EA.	1 K&P FR & Case - Mayer Bros. Inc.
BLOWOFF	1 EA.	- Water & Sewer Inc.
4" BURY	2 EA.	"
12" B BEND	2 EA.	D.I.P./ Water & Sewer Inc.
D.I.P. (Sewer)	85 L.F.	85 L.F. P.V.C./ Ferguson Enterprises
PRECAST MH	1 EA.	Conc./ Atlantic Pre-cast
TYPE B DROPP MH	1 EA.	"
5" BURY	1 EA.	"



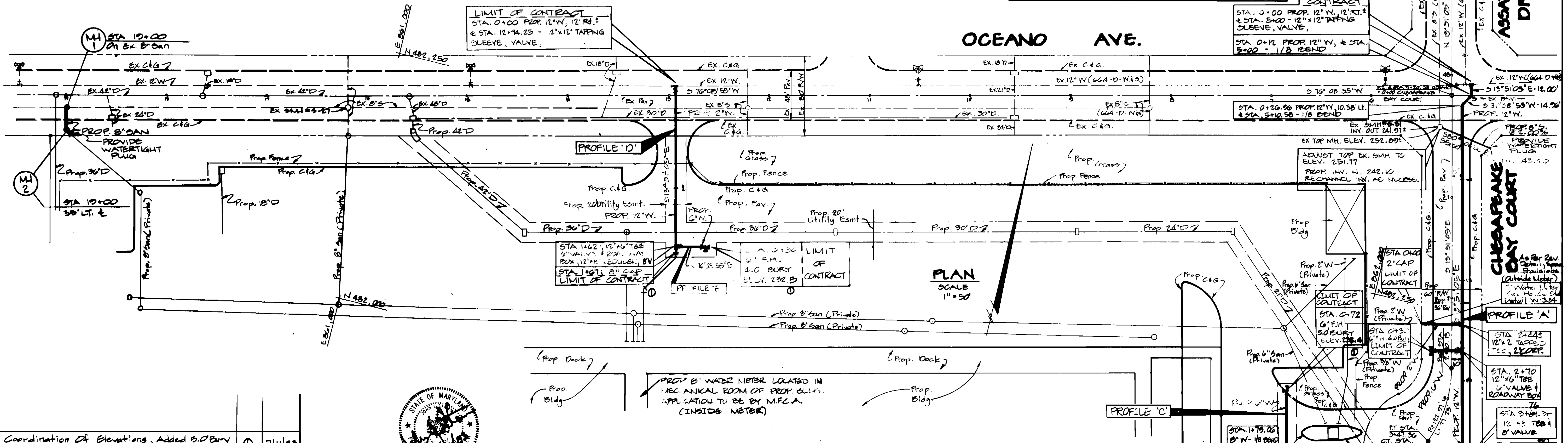
GENERAL NOTES

- Construction of Water Mains shall be in strict accordance with the standard specifications and standard details of Howard County. Any damage incurred shall be repaired immediately at Contractor's expense.
- All horizontal controls are based on Maryland State Coordinate System.
- All vertical controls are based on U.S.C.G.S. Datum.
- Clear all utilities by a minimum of 6' - Clear All Pipes by 2' Minimum or Tunnel As Required.
- Contractor shall locate existing utilities in advance of construction operations in vicinity of proposed utilities.
- Contractor shall notify the following utilities or agencies at least five (5) days before starting work:

Misc Utility (Collect)	284-5601
Baltimore Gas & Electric Co. - Underground Electric Distribution Engineering - "Damage Control", Mr. G. L. Zeller, Manager	284-5655
Baltimore Gas & Electric Co. - Underground Gas Distribution Engineering, Mr. Earl Chesapeake & Potomac Telephone Co.	725-9976
Bureau of Utilities (Howard County)	992-2306
- Contractor shall remove stumps, trees and roots along line of excavation as directed by Engineer. Payment for such removal shall be included in the unit price bid for excavation and backfill for water and sewer mains.
- Place regulation "Men Working" and warning signs as required to comply with Maryland State Highway Administration Manual for Highway Construction and Maintenance Operations.
- All water mains to be C.I.P. or D.I.P. unless listed otherwise.
- Top of water mains to have a minimum of 9" B' cover unless listed otherwise.
- All valves shall be strapped to trees in accordance with standard details.
- Block all fittings with concrete. See standard details.
- Bury line elevations on fire hydrants shall be set to the elevations shown on the drawings. All fire hydrants shall be strapped and buttressed with concrete in accordance with standard details. Soil around the fire hydrant to be compacted in accordance with section 5-15 of the standard specifications.
- All water main elevations shown are invert (I) elevations.
- Sediment control measures for this contract will be implemented in accordance with the grading and sediment and erosion control plan.
- Water main and water house connections must be placed so as to have at least one (1) foot separation from the sanitary sewer and sewer house connection as they pass above it.
- Minimum Crimp Radius as specified by pipe manufacturer.



TYPE OF BUILDING: INDUSTRIAL
 NUMBER OF LOTS: 3 (MAX)
 NUMBER OF W.H.C.: 1
 NUMBER OF S.H.C.: 2
 DRAINAGE AREA: DORSEY RUN



REVISIONS	No	Date
Coordination of Elevations, Added 5" Bury And 12" B BEND To Bill of Materials	1	7/11/83

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

George W. Stephens, Jr. & Assoc. Inc.
 CONSULTING ENGINEERS
 509 ALLEGHENY AVENUE
 TIMBON, MARYLAND 21024

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 15 OF THE SPECIFICATIONS AND AS PER SDP 85-108

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

W. F. Neuman
 DIRECTOR, PUBLIC WORKS - DATE

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

APPROVED
 U.S. SOIL CONSERVATION DISTRICT

6-13-83
 DATE

APPROVED
 HOWARD SOIL CONSERVATION DISTRICT

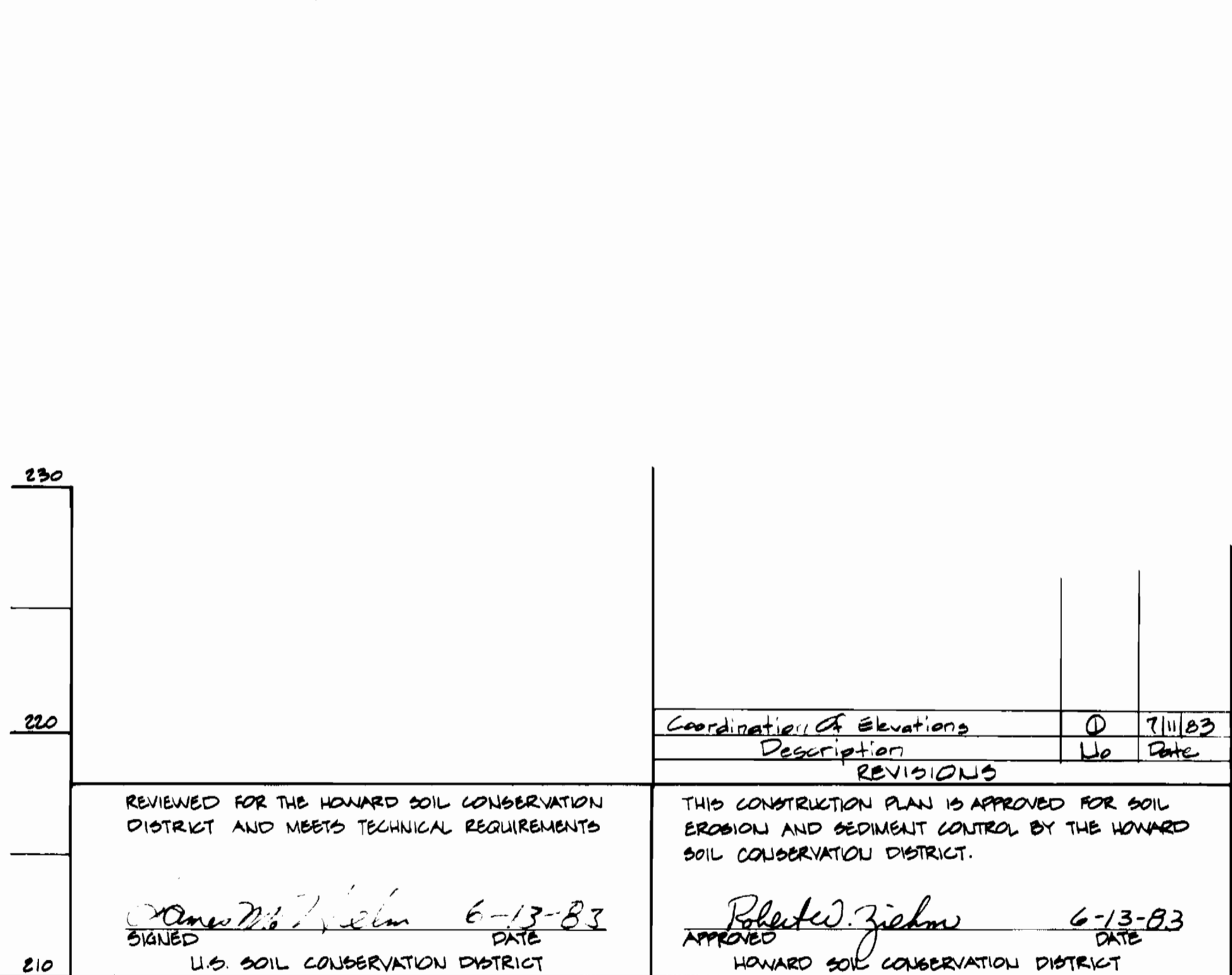
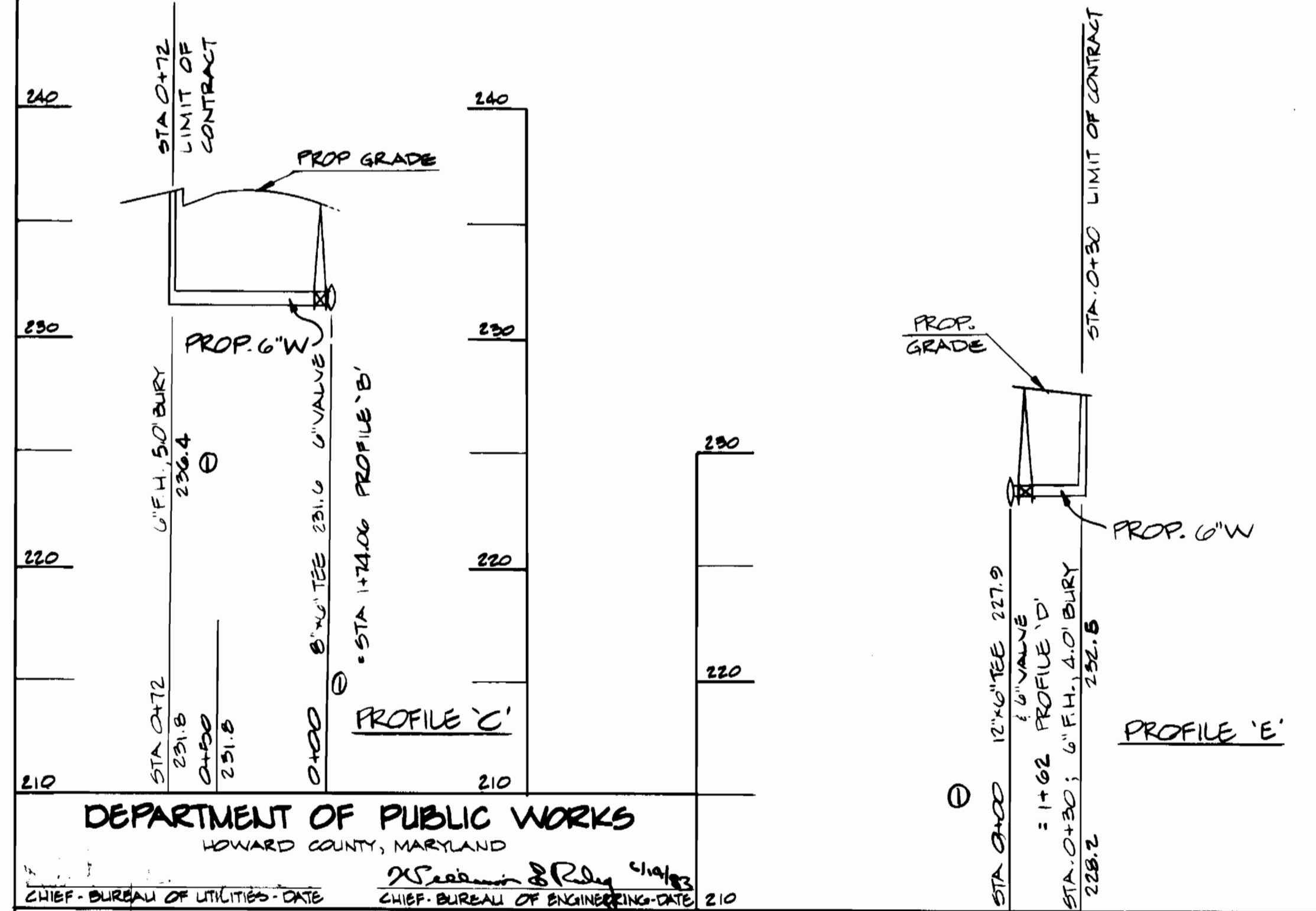
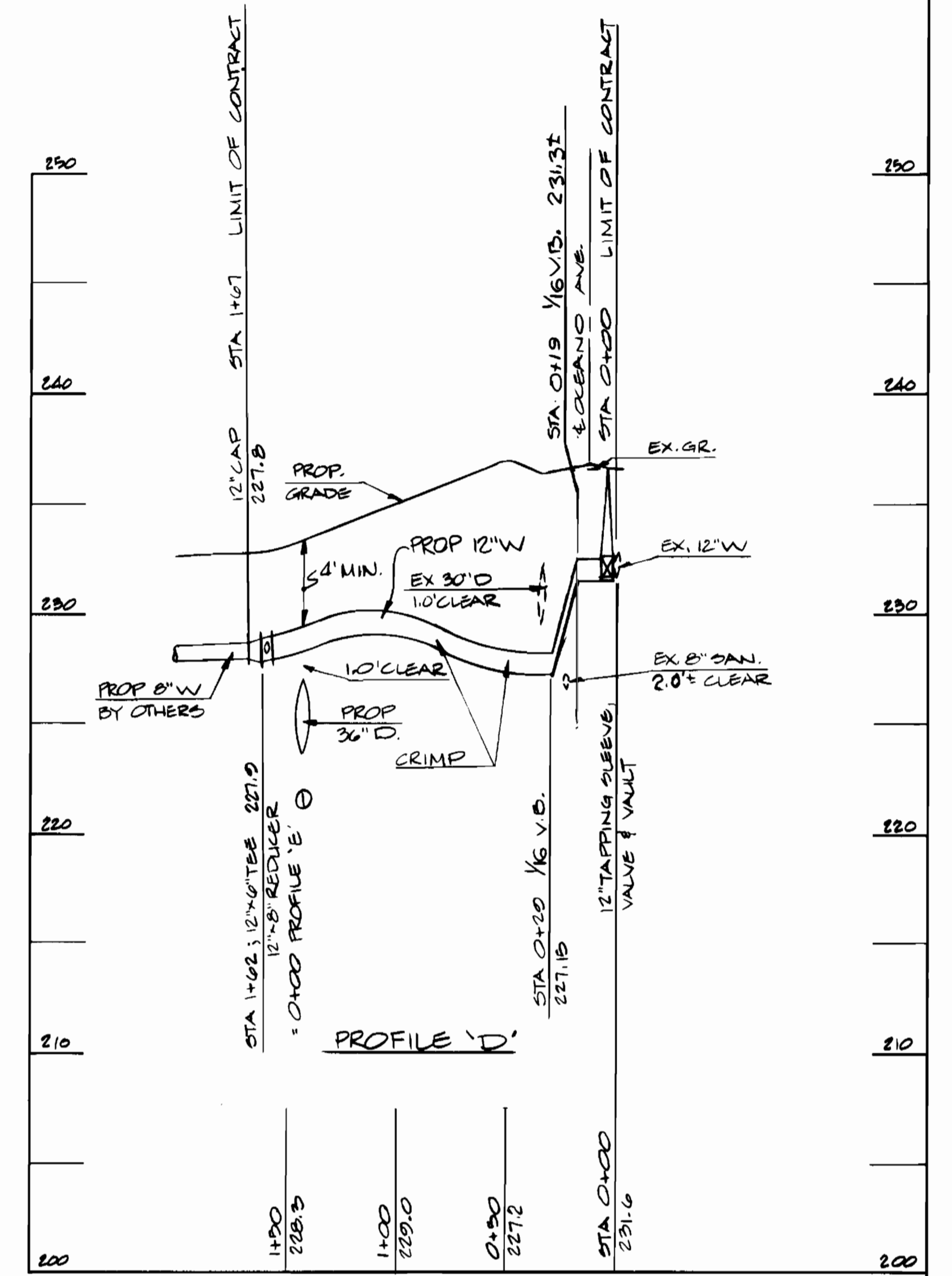
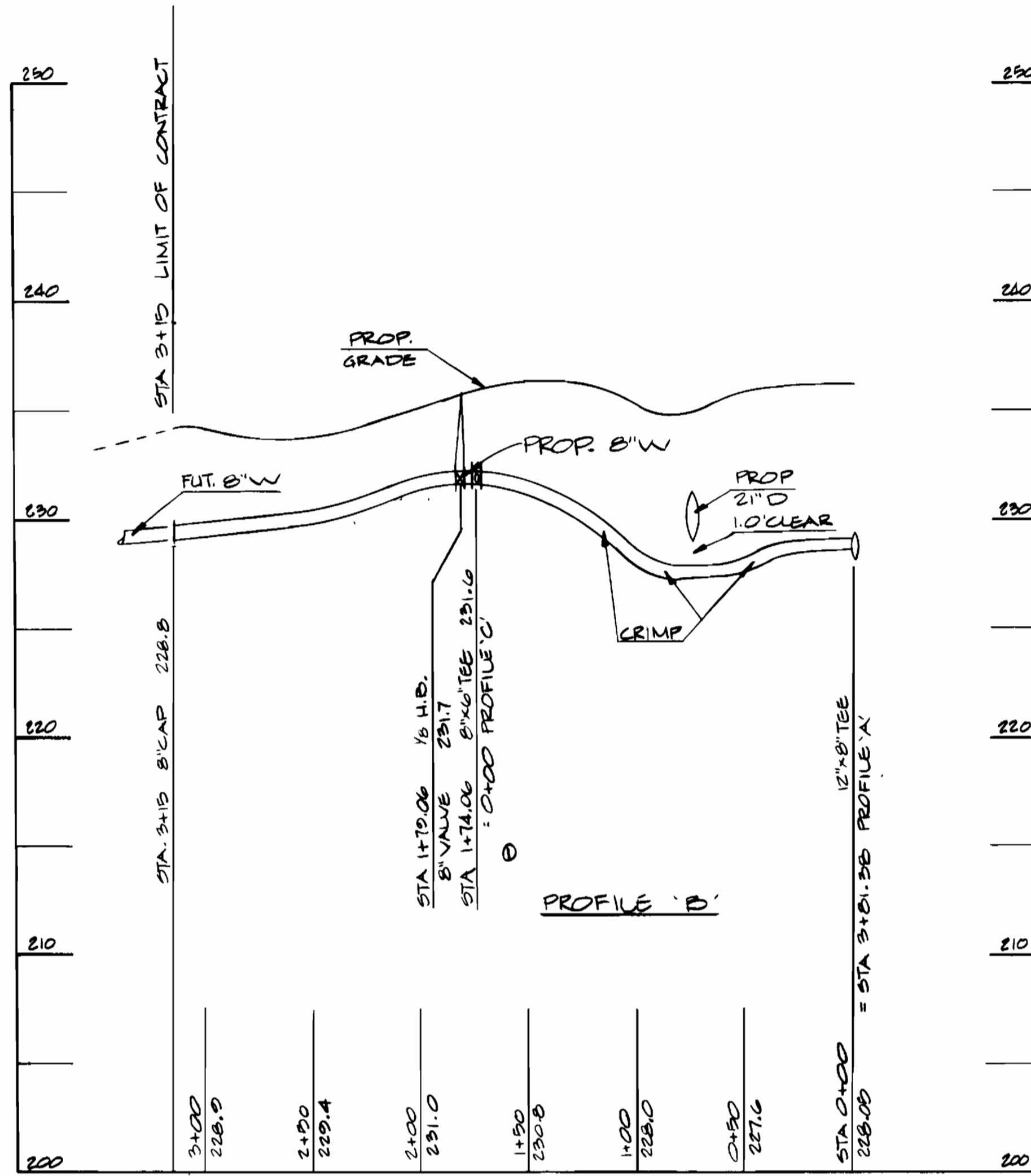
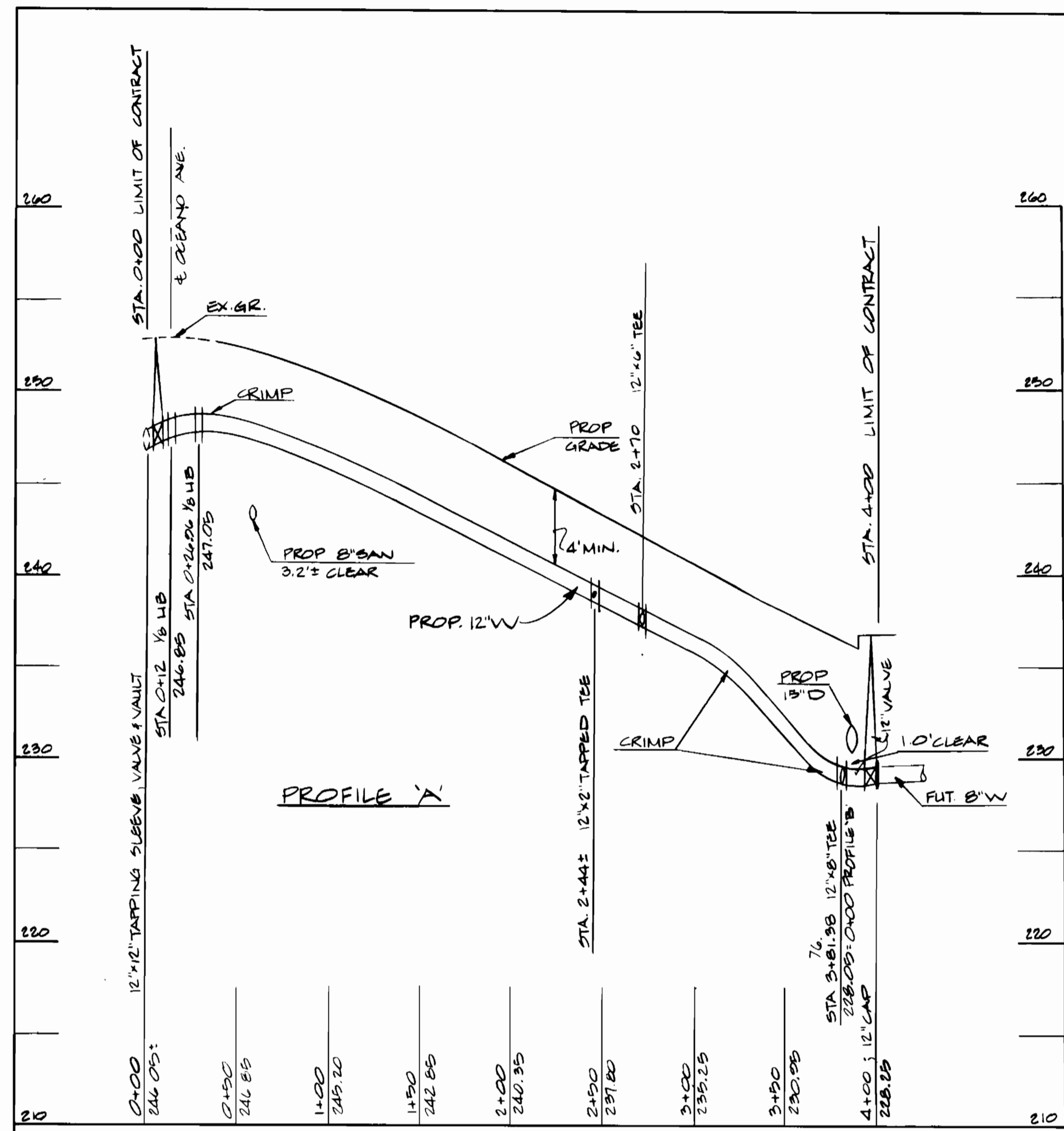
6-13-83
 DATE

PLAN
 PROPOSED WATER AND SEWER

CONTRACT NO. 14-1095-D

MARYLAND WHOLESALE FOOD CENTER
 CHESAPEAKE BAY COURT, PROPOSED BUILDING
 SECTION III BLOCK 11 PARCEL
 HOWARD COUNTY, MARYLAND - ELECTION DISTRICT #6 - JUNE 8, 1983

SCALE: AS SHOWN
 DRAWING NO. 1 OF 2
 CHECKED: P.W.
 P.L. 04751



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
CHIEF - BUREAU OF UTILITIES - DATE
CHIEF - BUREAU OF ENGINEERING - DATE

GEORGE W. STEPHENS, JR & ASSOC. INC.
CONSULTING ENGINEERS
303 ALLEGHENY AVENUE
TOWSON, MARYLAND 21284

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DIRECTOR - PUBLIC WORKS - DATE
CHIEF - LAND DEVELOPMENT DIV. - DATE

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

SIGNED: *[Signature]* 6-13-83
DATE
U.S. SOIL CONSERVATION DISTRICT

Coordination of Elevations	Description	By	Date
REVISIONS			

THIS CONSTRUCTION PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: *[Signature]* 6-13-83
DATE
HOWARD SOIL CONSERVATION DISTRICT

CONTRACT NO. 14-1095-D

PROFILES
PROPOSED WATER AND SEWER

MARYLAND WHOLESALE FOOD CENTER
CHESAPEAKE BAY COURT & PROPOSED BUILDING
SECTION III
BLOCK 'A'
PARCEL 'B'
HOWARD COUNTY, MARYLAND - ELECTION DISTRICT #6 - JUNE 10, 1983

DRAWING NO. 2 OF 2
SCALE: Hor: 1"=30' Vert: 1"=5'
Design: C.F.H.
Drawn: H.M.B.
Checked: [Signature]
PL 04711

