

Reviewed for Howard County Soil Conservation District and meets technical requirements:
 Approved: *James M. ...* U.S. Soil Conservation Service Date *9/28/82*
 The plan is approved for erosion & sediment control by the Howard County Soil Conservation District.
 Approved: *W.V. ...* Howard Co. Soil Conservation District Date *9/28/82*

HOWARD COUNTY SEWER CODE NO. 64A000

GENERAL NOTES CONT.

- 16. During pumping operation, no water will be discharged directly across the ground or into any existing body of water or stream, without first being pumped to an approved treatment plant.
- 17. Manholes and W.T. in plan and/or profile shall have watertight frame and covers, standard 4'-0" diameter. Where watertight manhole frame and cover is used, set top of frame to existing finished grade. (See Detail, Sheet 4 of 5).
- 18. All manholes shall be Howard County Standard 4'-0" diameter, unless otherwise indicated on these plans.
- 19. Contractor shall notify the following utilities or agencies at least (5) working days before starting work shown on these plans:
 State Highway Administration - 531-5533
 Baltimore Gas & Electric Company - Underground Gas & Electric Distribution Customer Service - 685-0123
 Engineering - "Damage Control" - 234-5624
 "Miss Utility" - 1-559-0100
 Chesapeake & Potomac (C&P) Telephone Company - 725-9976
 American Telephone & Telegraph - Cable Location Division - 393-3553
 Colonial Pipeline Company - 781-4641
 Bureau of Utilities Howard County - 992-2366
- 20. All excess material shall be disposed offsite, at a location provided by the contractor, and at the Contractor's expense. All disposal sites must have a sediment control plan approved by the Howard Soil Conservation District

**CAPITAL PROJECT A-0-6070
 CONTRACT NO. 30-1003**

MIDDLE PATUXENT INTERCEPTOR

MANHOLE NO. 303 TO STATE ROUTE 108

HOWARD COUNTY MARYLAND

DEPARTMENT OF PUBLIC WORKS

- GENERAL NOTES**
1. The existing utilities and obstructions shown are from the best available records and shall be verified by the contractor to his own satisfaction before construction. The Howard County Department of Public Works or the owners do not warrant or guarantee the completeness or the correctness of the information given.
 2. The contractor shall take all necessary precautions to protect existing utilities and to maintain uninterrupted service. Any damage incurred shall be repaired immediately to the satisfaction of the engineer at the contractors expense.
 3. The contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in vicinity of proposed utilities and at his own expense.
 4. Place regulation "Men Working" and warning signs as required to comply with Maryland State Highway Administration Manual of Traffic Control for Highway Construction and Maintenance Operations.
 5. Clear all utilities by a minimum of 6". Clear all poles by 2'-0" minimum, or tunnel as required. Cost for tunneling or bracing of poles shall be included in the price bid for sewer construction.
 6. All pipe elevations shown are invert elevations, unless otherwise noted.
 7. No excavated trench material shall be stockpiled on the stream side of the sewer.
 8. The contractor shall provide a pipe joint in each sewer main within 2'-0" of the existing manhole walls.
 9. For details not shown on the contract drawings see Howard County Standard Details.
 10. Contractor shall remove trees, stumps, and roots along line of excavation as directed by the Engineer. Payment for such removal shall be included in the unit price bid for construction of sewer mains.
 11. All horizontal controls are based on Maryland State Coordinates.
 12. All vertical controls are based on U.S.G.S. Datum.
 13. For materials and construction methods use Howard County Standard Specifications.
 14. The contractor shall be responsible for repairing or replacing any existing fences, driveways, etc. damaged or removed during construction.
 15. All manholes having a depth of 18 ft. or greater shall be constructed with an intermediate landing as shown on Howard County Standard Detail G-5.15.

"I certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project."
George F. ... Director Date *9/28/82*
 "I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the Howard Soil Conservation District."
Steven R. ... Date *9/28/82*



LIST OF MATERIALS			
ITEM	BID QUANTITY	AS-BUILT QUANTITY	MATERIAL/SUPPLIER
18" SEWER	3710 LF		
10" SEWER	156 LF		
8" SEWER	1109 LF		
MANHOLE	200 Y.F.		

● - INDICATES APPROX. SOIL BORING LOCATION
 MIDDLE PATUXENT INTERCEPTOR
 MANHOLE NO. 303 TO STATE ROUTE 108
 CAPITAL PROJECT A-0-6070
 CONTRACT NO. 30-1003

**DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND**
 Director of Public Works: *James M. ...* DATE *9/28/82*
 Chief Bureau of Utilities: *Robert M. ...* DATE *9/28/82*

DEWBERRY & DAVIS
 ENGINEERING ARCHITECTS - PLANNERS - SURVEYORS
 2594 Riva Road, Annapolis, Maryland 21401 (301) 841-6811

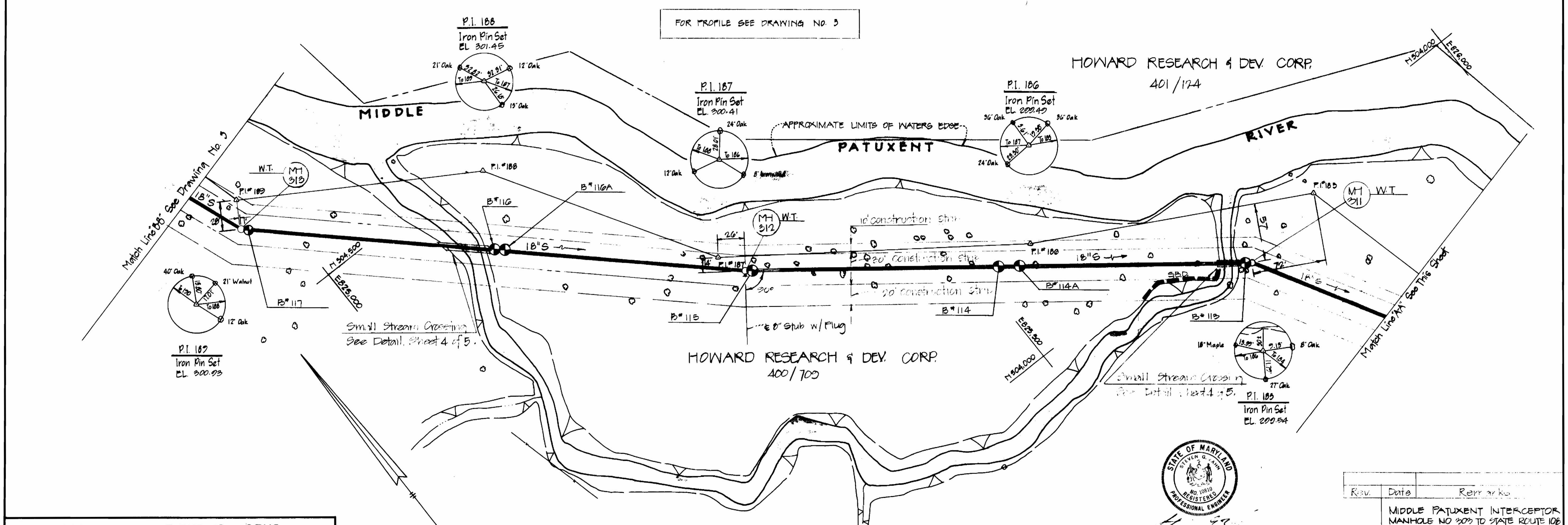
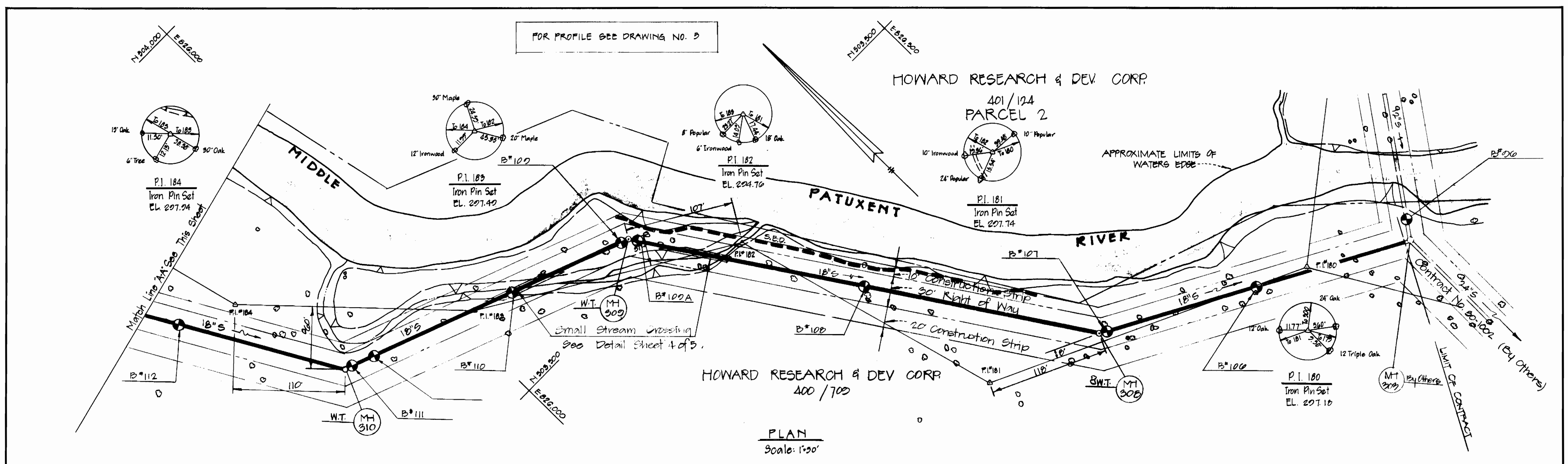
CONTRACT NO. 30-1003
 CAPITAL PROJECT NO. A-0-6070

LOCATION MAP
 OF SANITARY SEWERS

MIDDLE PATUXENT INTERCEPTOR
 ELECTION DISTRICT NO. 5
 HOWARD COUNTY, MARYLAND

DRAWING NO. 1 OF 5
SCALE AS SHOWN
 DESIGNED: SZ
 DRAFTED: BS
 CHECKED: SZ

AS-BUILTS



Rev.	Date	Remarks

MIDDLE PATUXENT INTERCEPTOR
MANHOLE NO. 309 TO STATE ROUTE 106
CAPITAL PROJECT A-0-6070
CONTRACT NO. 30-1003

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Alan J. Brown 9/21/82
DIRECTOR OF PUBLIC WORKS DATE

Allen L. Brown 9/21/82
CHIEF BUREAU OF UTILITIES DATE

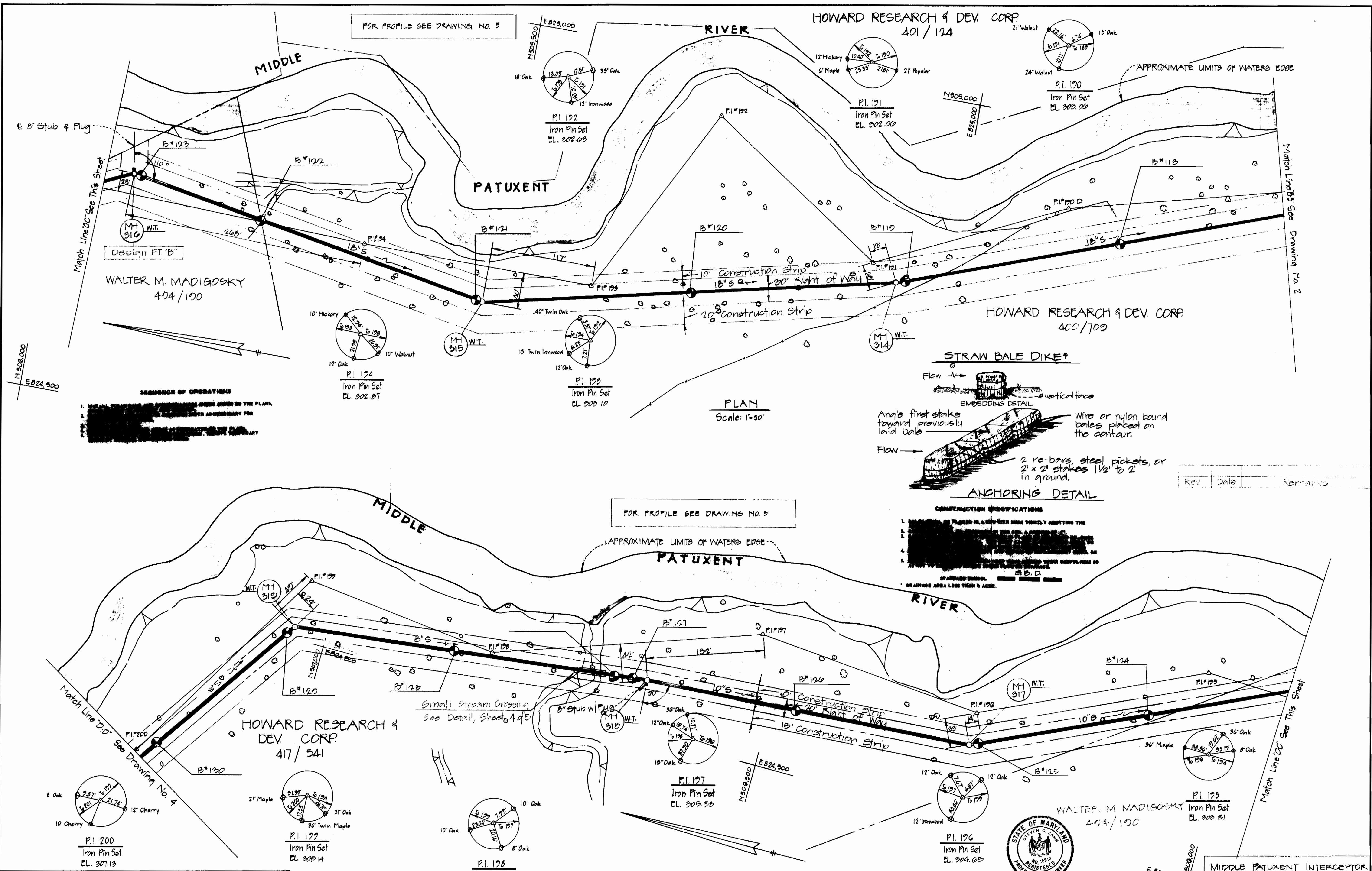
DEWBERRY & DAVIS
ENGINEERING - ARCHITECTS - PLANNERS - SURVEYORS
2594 Riva Road, Annapolis, Maryland 21401 (301) 841-8811

CONTRACT NO. 30-1003
CAPITAL PROJECT NO. A-0-6070

PLAN
OF SANITARY SEWERS

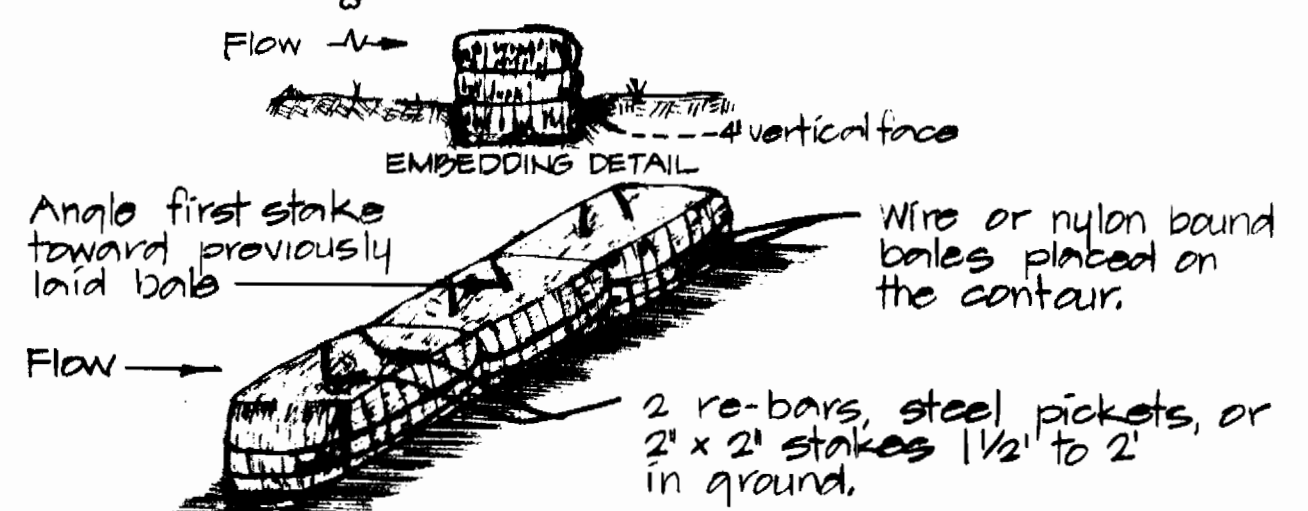
MIDDLE PATUXENT INTERCEPTOR
ELECTION DISTRICT NO. 5
HOWARD COUNTY, MARYLAND

DRAWING NO. 2 OF 5
SCALE AS SHOWN
DESIGNED SZ
DRAFTED BS
CHECKED SZ



PLAN
Scale: 1"=50'

STRAW BALE DIKE



ANCHORING DETAIL

- CONSTRUCTION SPECIFICATIONS**
1. [REDACTED]
 2. [REDACTED]
 3. [REDACTED]
 4. [REDACTED]
- STANDARD SYMBOLS
* DRAINAGE AREA LESS THAN 1 ACRE.

Rev	Date	Remarks

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James M. Lewis 9/21/82
DIRECTOR OF PUBLIC WORKS DATE

Allen S. Brown 9/21/82
CHIEF BUREAU OF ENGINEERING DATE

Robert M. Reinger 9-27-82
CHIEF BUREAU OF UTILITIES DATE

Allen S. Brown 9/21/82
CHIEF UTILITY DIVISION DATE

DEWBERRY & DAVIS
ENGINEERING - ARCHITECTS - PLANNERS - SURVEYORS
2594 Riva Road, Annapolis, Maryland 21401 (301) 841-8811

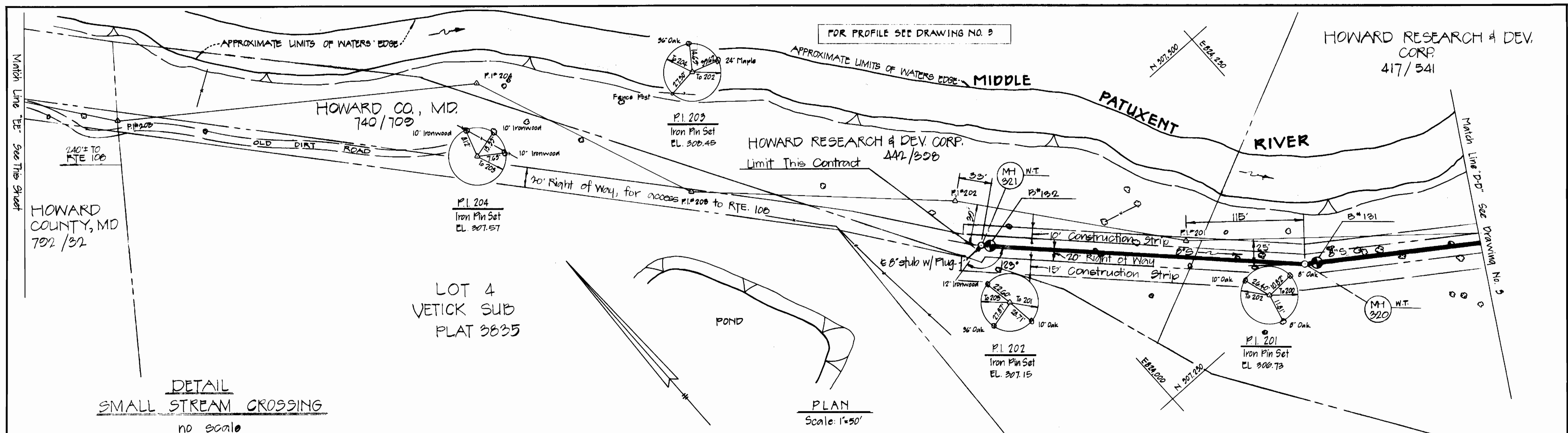
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CAPITAL PROJECT NO. A-0-6070

PLAN
OF SANITARY SEWERS

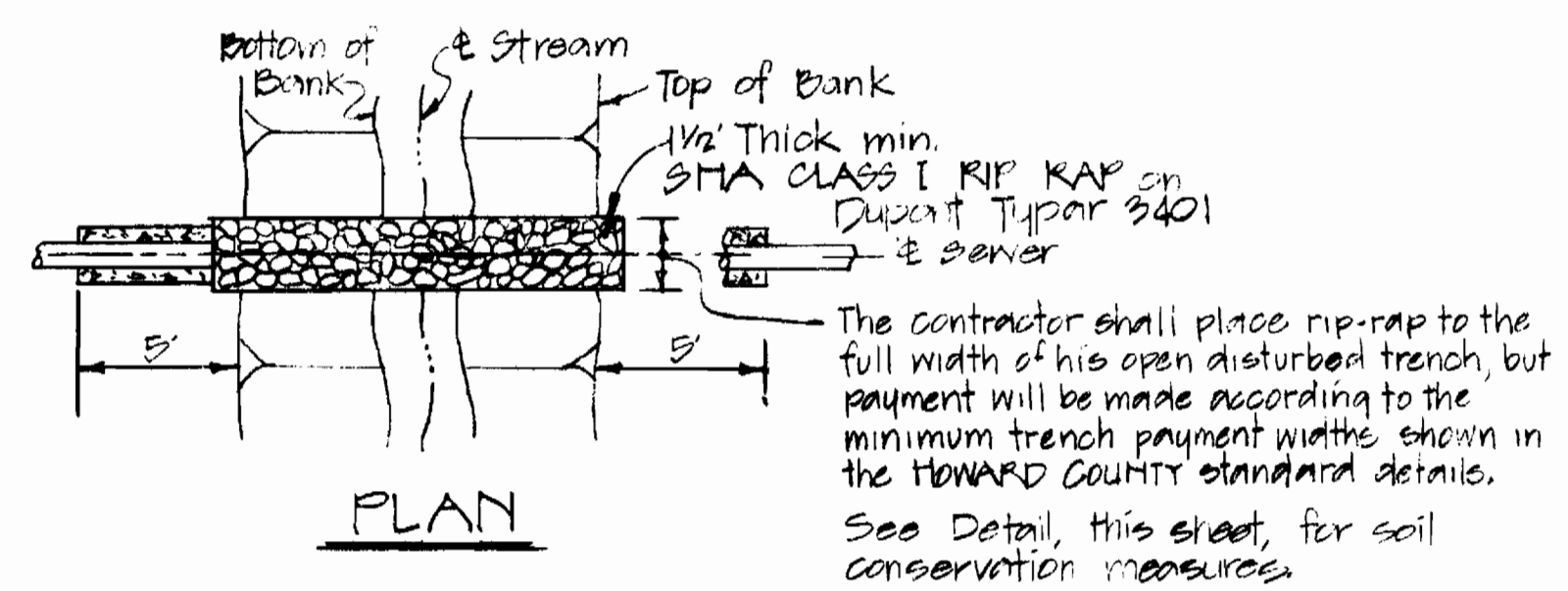


WALTER M. MADIGOSKY 474/100
PROFESSIONAL ENGINEER
MIDDLE PATUXENT INTERCEPTOR
ELECTION DISTRICT NO. 5
HOWARD COUNTY, MARYLAND

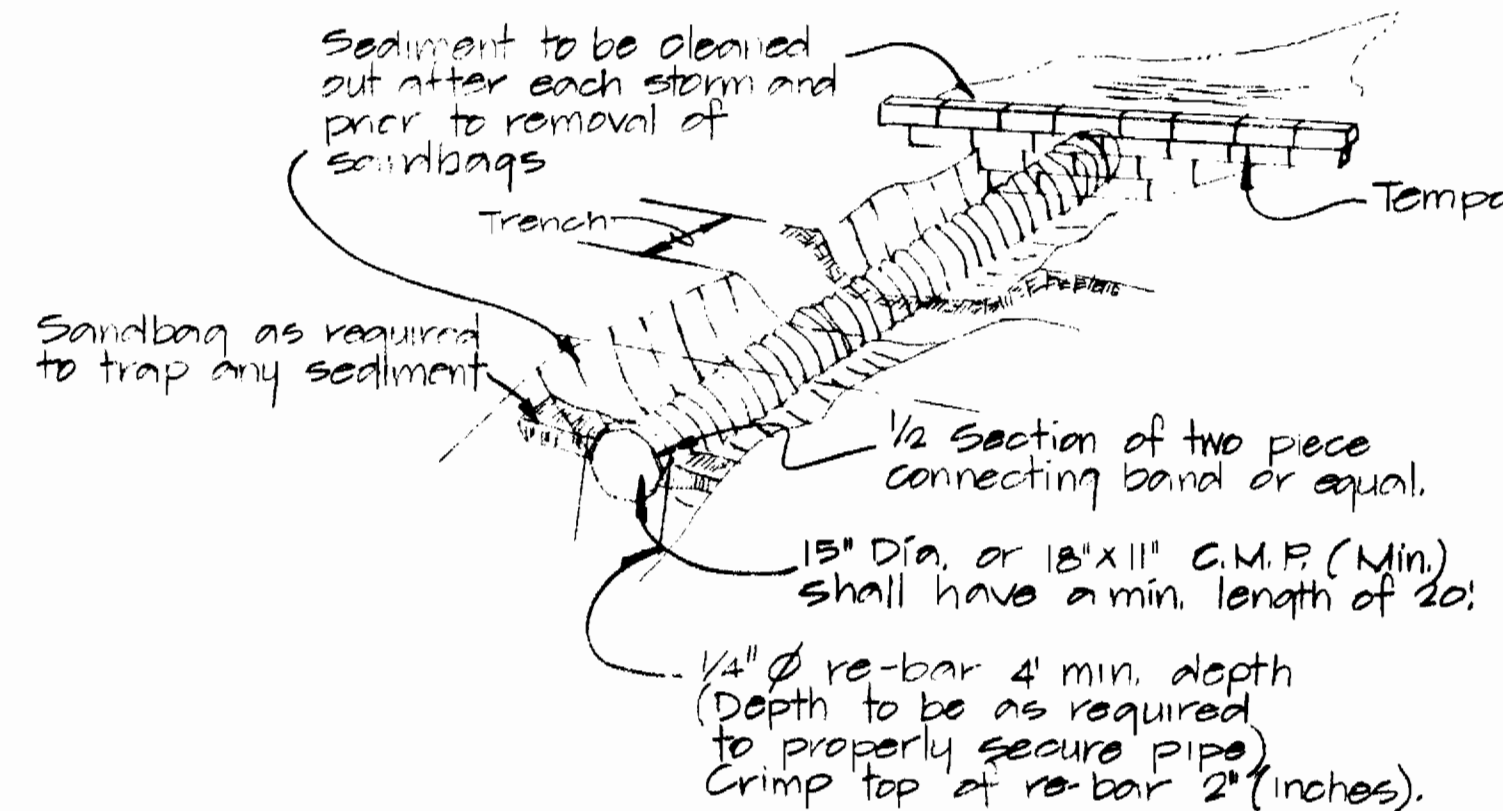
DRAWING NO. 3 OF 5	SCALE AS SHOWN	DESIGNED SZ DRAFTED BS CHECKED SZ
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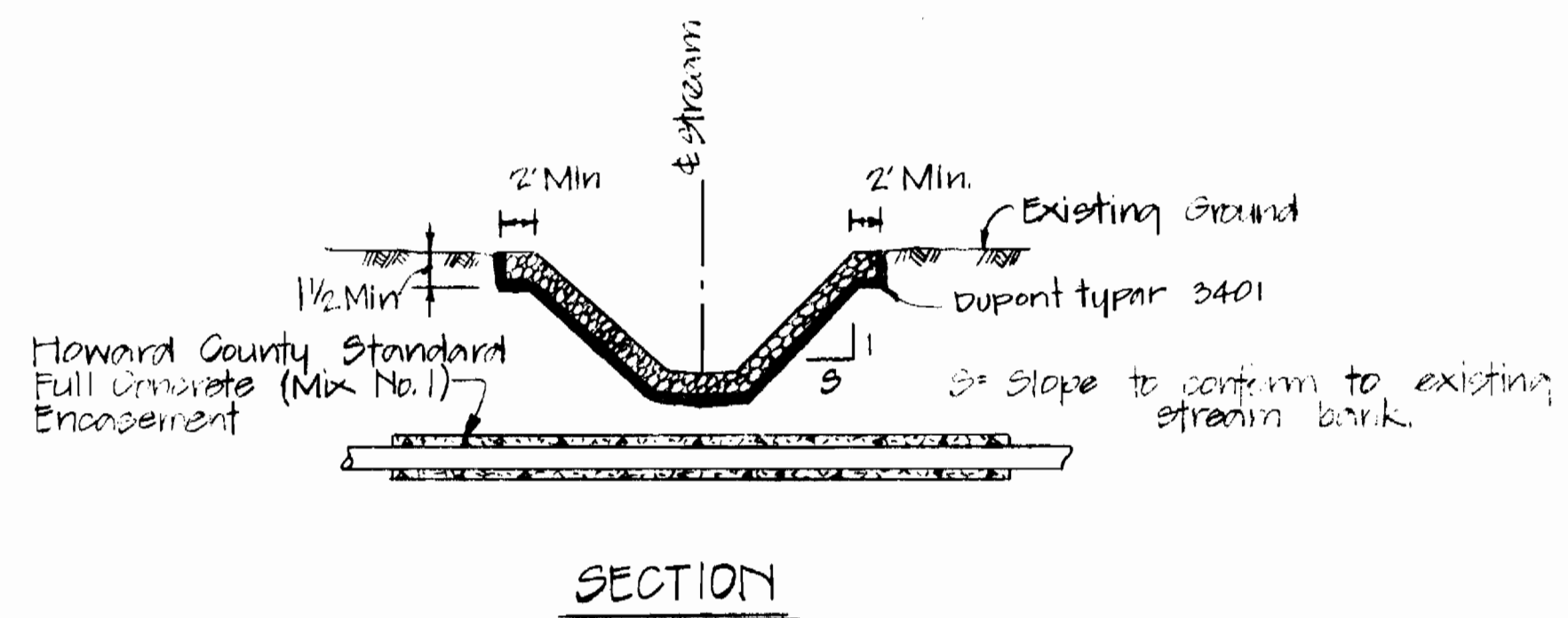
DETAIL
SMALL STREAM CROSSING
NO SCALE



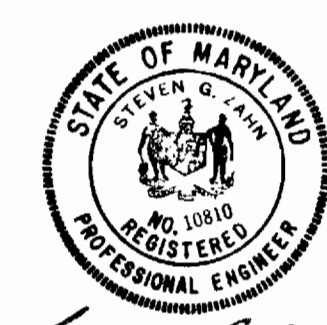
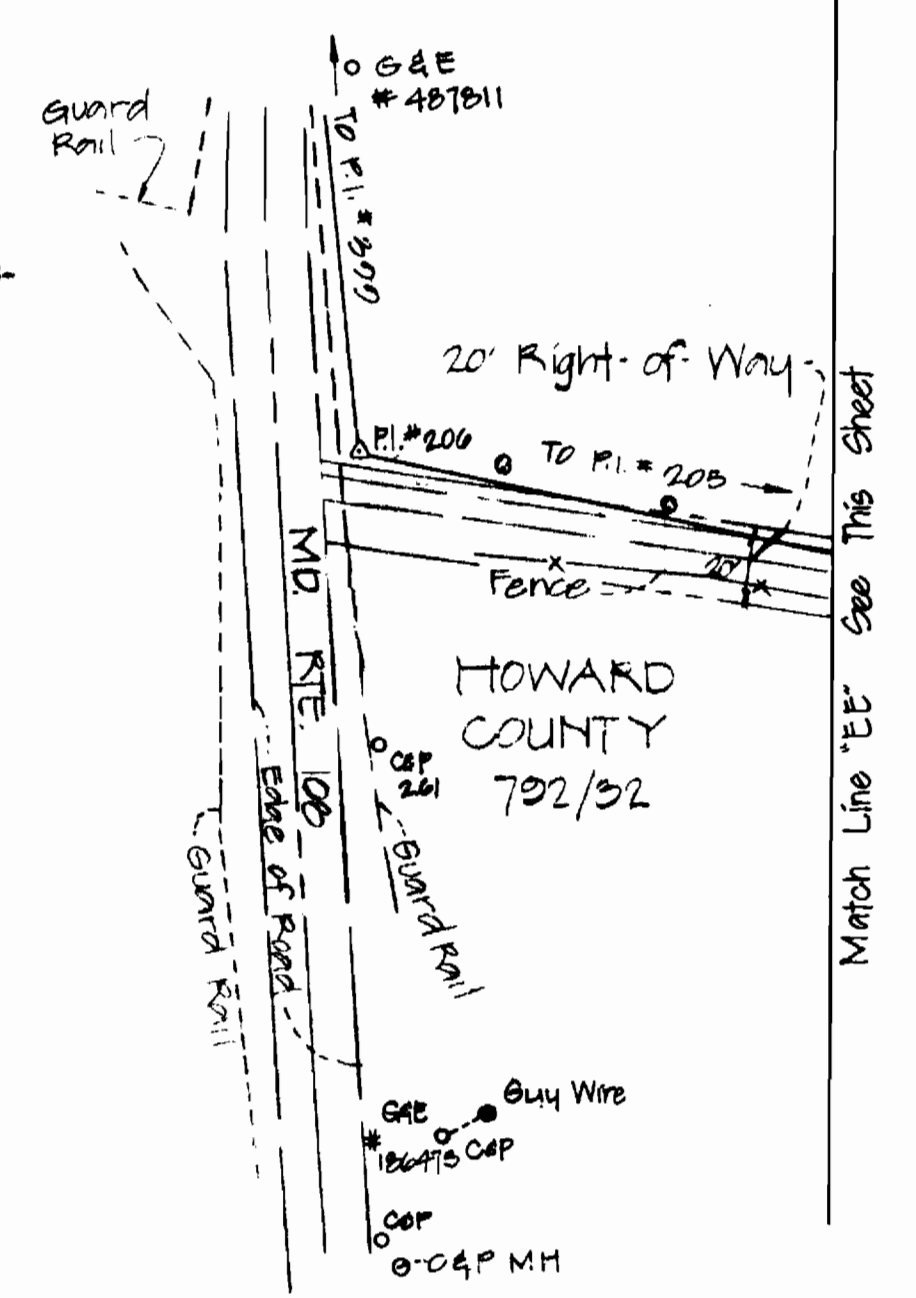
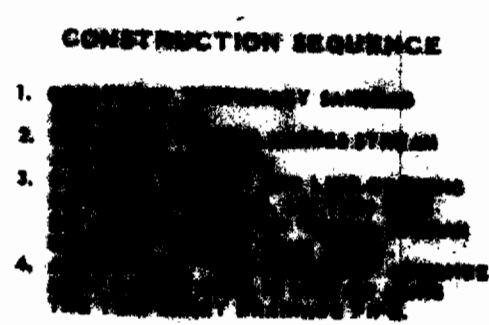
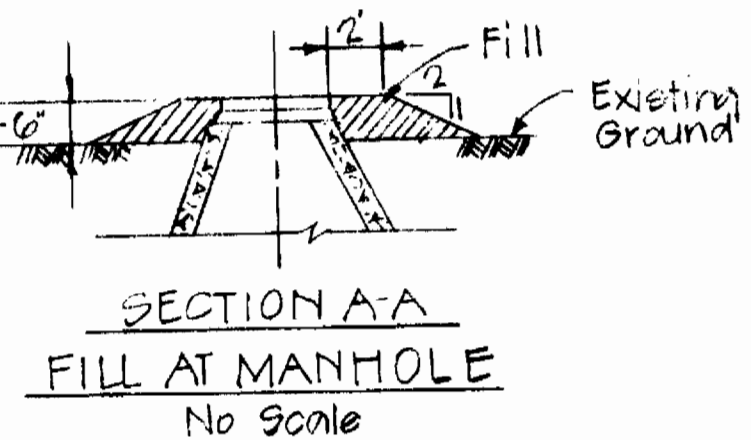
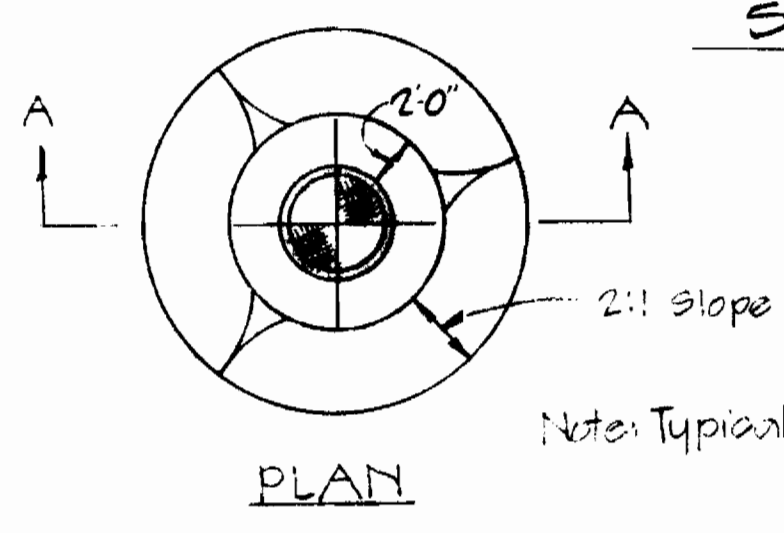
PLAN
Scale: 1"=50'



SOIL CONSERVATION MEASURES AT SMALL STREAM CROSSINGS
NO SCALE



SECTION



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Director of Public Works: *Robert M. Reinger* 9-27-82
Chief Bureau of Utilities: *Robert M. Reinger*

Chief of Engineering: *Allen I. Brown* 9/2/82
Chief Utility Division: *Allen I. Brown* 9/2/82

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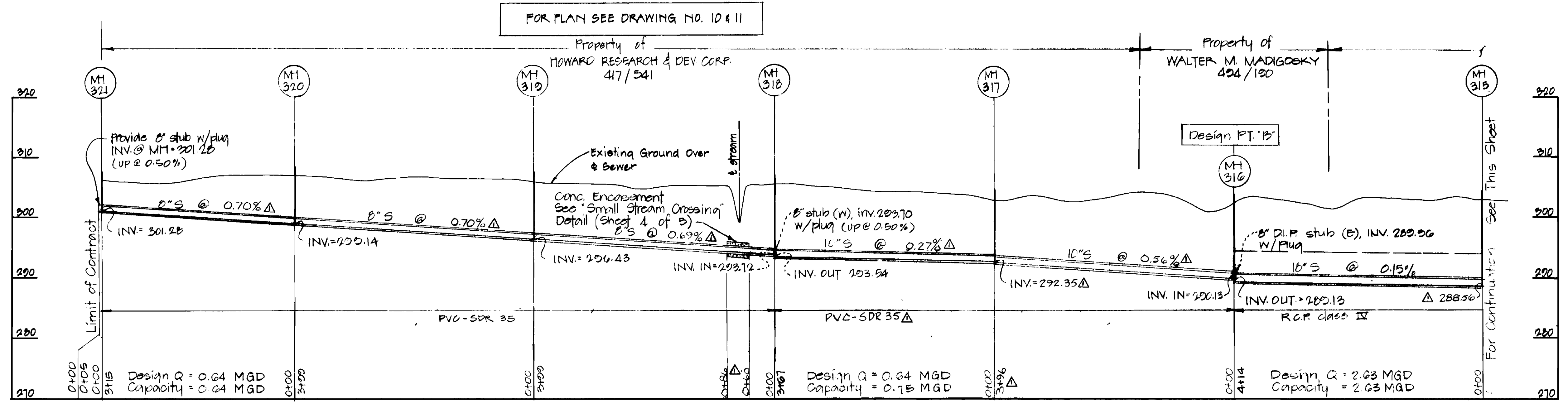
CONTRACT NO. 30-1003
CAPITAL PROJECT NO. A-0-6070

PLAN OF SANITARY SEWERS

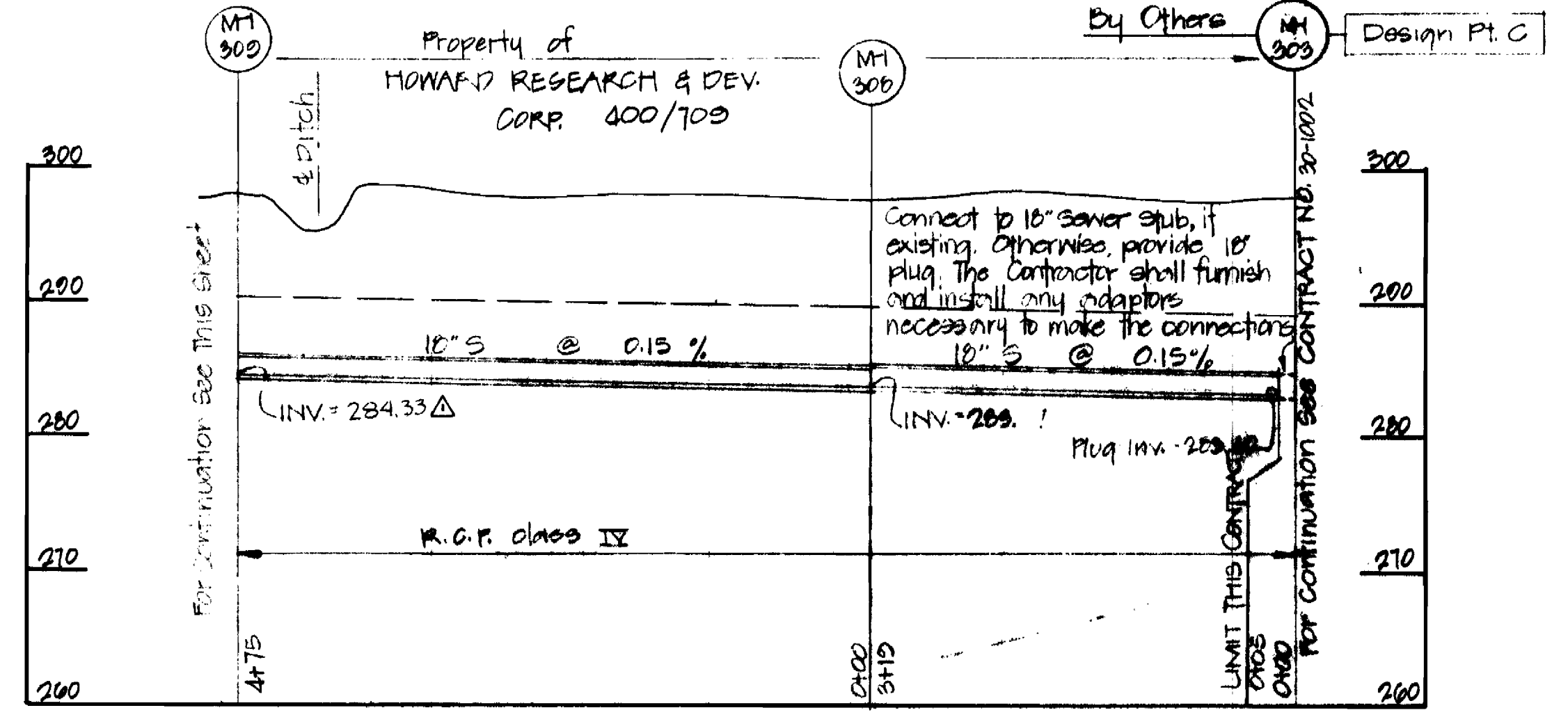
MIDDLE PATUXENT INTERCEPTOR
ELECTION DISTRICT NO. 5
HOWARD COUNTY, MARYLAND

MIDDLE PATUXENT INTERCEPTOR
MANHOLE NO. 909 TO STATE ROUTE 108
CAPITAL PROJECT A-0-6070
CONTRACT NO. 30-1003

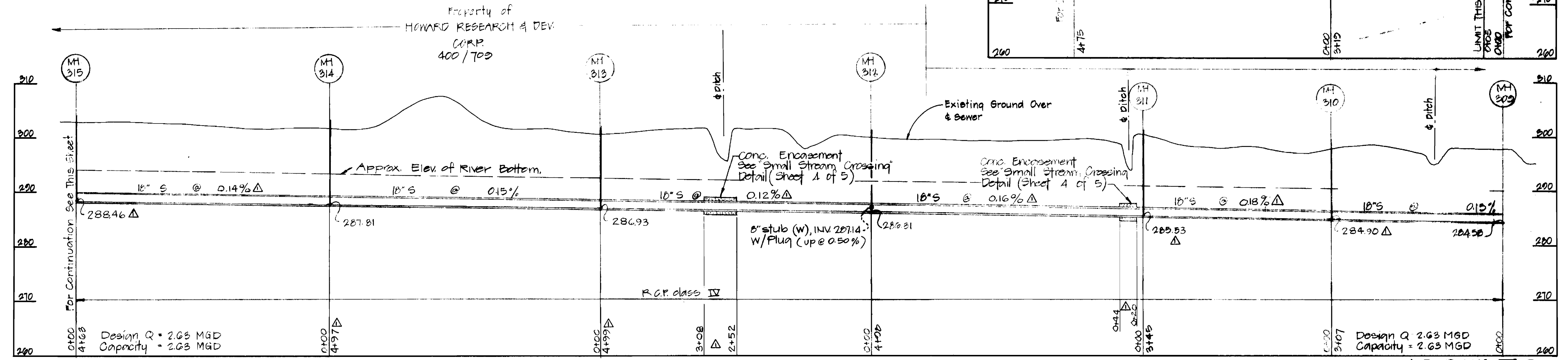
DESIGNED: SZ
DRAFTED: BS
CHECKED: SZ



PROFILE
 Horiz: 1"=100'
 Vert: 1"=10'



FOR PLAN SEE DRAWING NO. 10



PROFILE
 Horiz: 1"=100'
 Vert: 1"=10'

AS-BUILTS

Rev.	Date	Remarks
Δ	12-84	As-Built

MIDDLE PATUXENT INTERCEPTOR
 MANHOLE NO. 209 TO STATE ROUTE 109
 CAPITAL PROJECT A-O-6070
 CONTRACT NO. 30-1003



Steven A. John

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

Director of Public Works: *Robert M. Brunner*
 Date: 9-27-82

Chief Bureau of Utilities: *Allen L. Brown*
 Date: 9/21/82

DEWBERRY & DAVIS
 ENGINEERING - ARCHITECTS - PLANNERS - SURVEYORS
 2594 Riva Road, Annapolis, Maryland 21401 (301) 841-6811

CONTRACT NO. 30-1003
 CAPITAL PROJECT NO. A-O-6070

PROFILE
 OF SANITARY SEWERS

MIDDLE PATUXENT INTERCEPTOR
 ELECTION DISTRICT NO. 5
 HOWARD COUNTY, MARYLAND

DRAWING NO. 5 OF 5
 SCALE AS SHOWN
 DESIGNED SZ
 DRAFTED AB
 CHECKED SZ