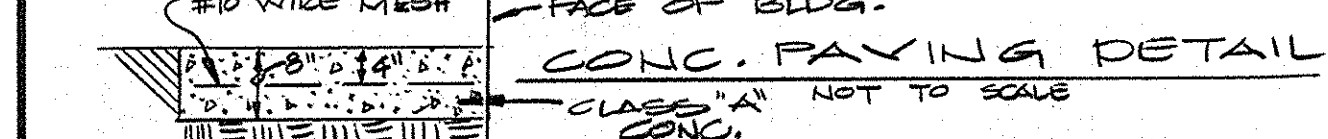


APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM  
 HOWARD COUNTY HEALTH DEPARTMENT  
 DATE: 2-27-80  
 COUNTY HEALTH OFFICER: [Signature]  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
 DATE: 2-28-80  
 PLANNING DIRECTOR: [Signature]  
 CHIEF OF LAND DEVELOPMENT: [Signature]  
 DATE: 2-28-80  
 APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, AND STORM  
 SEWERAGE SYSTEMS, AND ROADS:  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DATE: 2-25-80  
 DIRECTOR: [Signature]  
 DATE: 2-22-80  
 CHIEF OF BUREAU OF ENGINEERING: [Signature]  
 DATE: 2-22-80  
**HOWARD SOIL CONSERVATION DISTRICT**  
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND  
 SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
 DATE: 2-13-80  
 APPROVED: HOWARD SOIL CONSERVATION DISTRICT  
 REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND  
 MEETS TECHNICAL REQUIREMENTS  
 DATE: 2-13-80  
 SIGNATURE: THE UNITED STATES SOIL CONSERVATION SERVICE

**SITE DATA**  
 AREA OF TRACT = 10.2075 AC±  
 AREA OF SUBMITTAL = 10.2075 AC±  
 AREA OF DISTURBANCE = 0.40 AC±  
 AREA TO BE VEGETATIVELY STABILIZED = 126,324 SF  
 2.0 AC±  
 FLOOR AREA TO SITE RATIO  
 TOTAL OF = 3.25% = 31% OF SITE  
 TOTAL NUMBER OF EMPLOYEES = 40 (25 WAREHOUSE OFFICE)  
 BUILDING USE = WAREHOUSE;  
 NO RETAIL SALES AREAS OR  
 MANUFACTURING USES ESTABLISHED  
 ON THIS SITE WITHOUT PRIOR  
 APPROVAL BY THE OFFICE OF  
 PLANNING & ZONING  
 PARKING SPACES REQUIRED  
 40 @ 1/EMPLOYEE (38 @ 10'x20' MINIMUM @ 12'x20' HANDICAPPED)  
 PARKING SPACES PROVIDED  
 48 (20 - EMPLOYEE (2 - HANDICAPPED) 6 - VISITOR)  
 % BUILDING COVERAGE INCLUDING PAVING  
 4.97 AC± = 49%  
 EXISTING ZONING = M-2  
 TAX MAP NO. 48  
 TITLE REFERENCE = RECORD PLAT #4484  
 % OPEN SPACE REMAINING = 51%

**GENERAL NOTES**

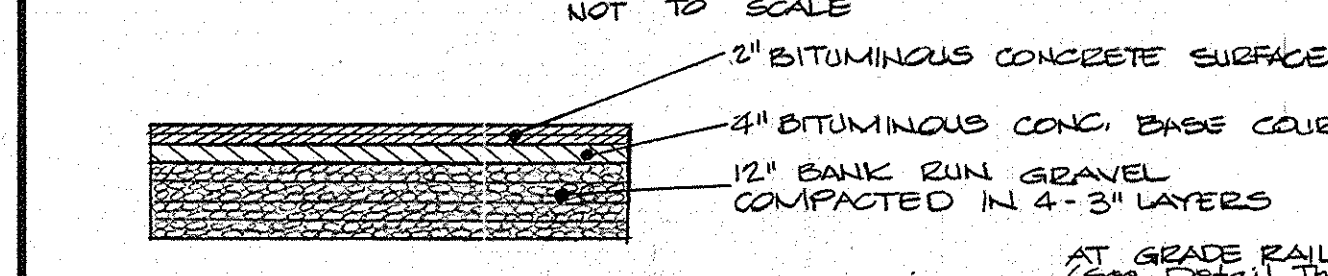
1. MAXIMUM HEIGHT = 30'
2. ALL AREAS NOT BEING PAVED OR RECEIVING BUILDING COVERAGE TO BE STABILIZED IN ACCORDANCE WITH THE PLANS APPROVED BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
3. MAINTENANCE OF THE STORM WATER MANAGEMENT FACILITY SHALL BE THE RESPONSIBILITY OF THE OWNER.
4. ANY DAMAGE TO PUBLIC RIGHT-OF-WAYS AND/OR ADJACENT PROPERTIES SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
5. THE CONTRACTOR SHALL VERIFY UTILITIES TO HIS OWN SATISFACTION BEFORE STARTING ANY CONSTRUCTION.
6. ALL SLOPES SHALL BE 2:1 OR FLATTER.
7. MAINTAIN AT LEAST A 2' LEVEL BENCH BEHIND ALL CURBS & GUTTER IN FILL AREAS.
8. ALL WORK SHALL BE IN ACCORDANCE WITH HOWARD COUNTY STANDARD SPECIFICATIONS & DETAILS FOR CONSTRUCTION OR AS SHOWN ON THESE PLANS.
9. THE CONTRACTOR SHALL NOTIFY THE C&P TELEPHONE COMPANY AND THE GAS & ELECTRIC COMPANY 5 DAYS PRIOR TO STARTING WORK SHOWN ON THESE PLANS BY CALLING "MISS UTILITY" BY CALLING COLLECT, 1-550-2100.
10. SEE DETAILS OF RAMP & SIGNS FOR THE HANDICAPPED, SEE THE MARYLAND BUILDING CODE FOR THE HANDICAPPED AND AGED.
11. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3.0' COVER OVER ALL PROPOSED WATER LINES.
12. ALL CONTOURS IN THE AREA OF PROPOSED AND EXISTING RAILROAD INDICATE SUB-GRADE OF RAIL; ALL OTHER CONTOURS INDICATE FINISHED GRADE.
13. ALL RAIL CONSTRUCTION SHALL BE IN ACCORDANCE WITH B&O RAILROAD STANDARDS & SPECIFICATIONS.
14. ALL RIP-RAP SHALL BE PLACED ON FILTER CLOTH.
15. ALL GRADING OFF-SITE SHALL BE CONFINED TO PUBLIC RIGHT-OF-WAYS AND EASEMENTS. ALL WORK WITHIN EXISTING DRAINAGE AND UTILITY EASEMENTS SHALL BE FOR THE PURPOSE OF INSTALLING UTILITIES OR MAINTAINING DRAINAGE.



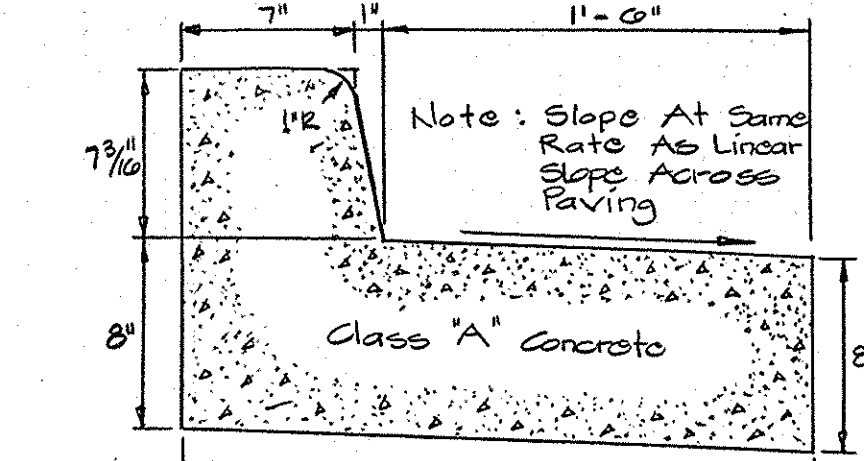
**LEGEND**

- INDICATES PROPOSED BITUMINOUS PAVING (SEE TYPICAL PAVING SECTION, THIS SHEET)
- INDICATES CONCRETE PAVING (SEE TYPICAL PAVING SECTION, THIS SHEET)
- INDICATES PARKING SPACES RESERVED FOR THE HANDICAPPED AND THE AGED
- INDICATES STANDARD CONCRETE CURBS & GUTTER (HOWARD COUNTY, STD. D-40; PAGE 95)
- INDICATES REVERSE SLOPE CURBS & GUTTER (SEE DETAIL THIS SHEET)
- INDICATES TEMPORARY BITUMINOUS CURBS (HOWARD COUNTY STD. D-39; PAGE 94)
- INDICATES EXISTING CONTOURS
- INDICATES PROPOSED CONTOURS

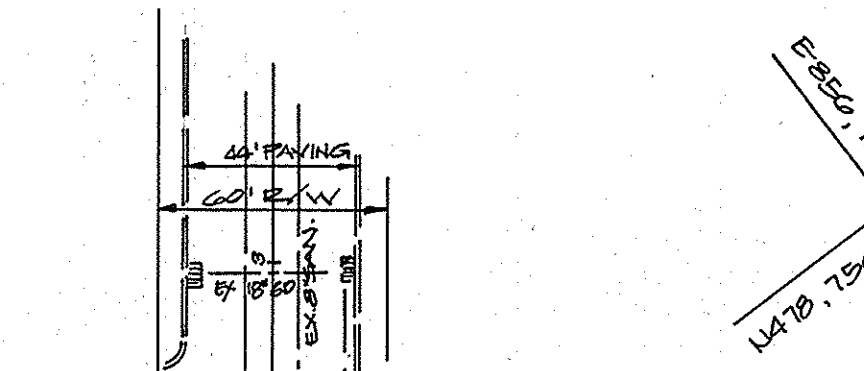
**TYPICAL PAVING SECTION**



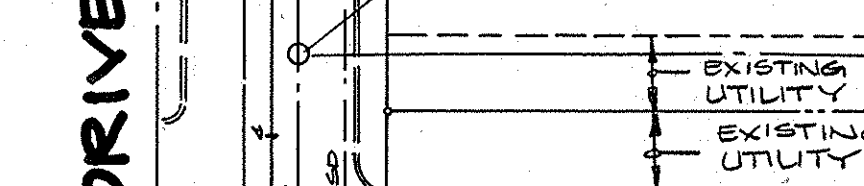
Notes: Other Than The Information Shown On These Drawings, This Proposed Relocated Rail Spur Shall Be Constructed In Accordance With The Plans Prepared By THE BALTIMORE AND OHIO RAILROAD COMPANY, Engineering Department Drawing # 1422; File # 1-E-530



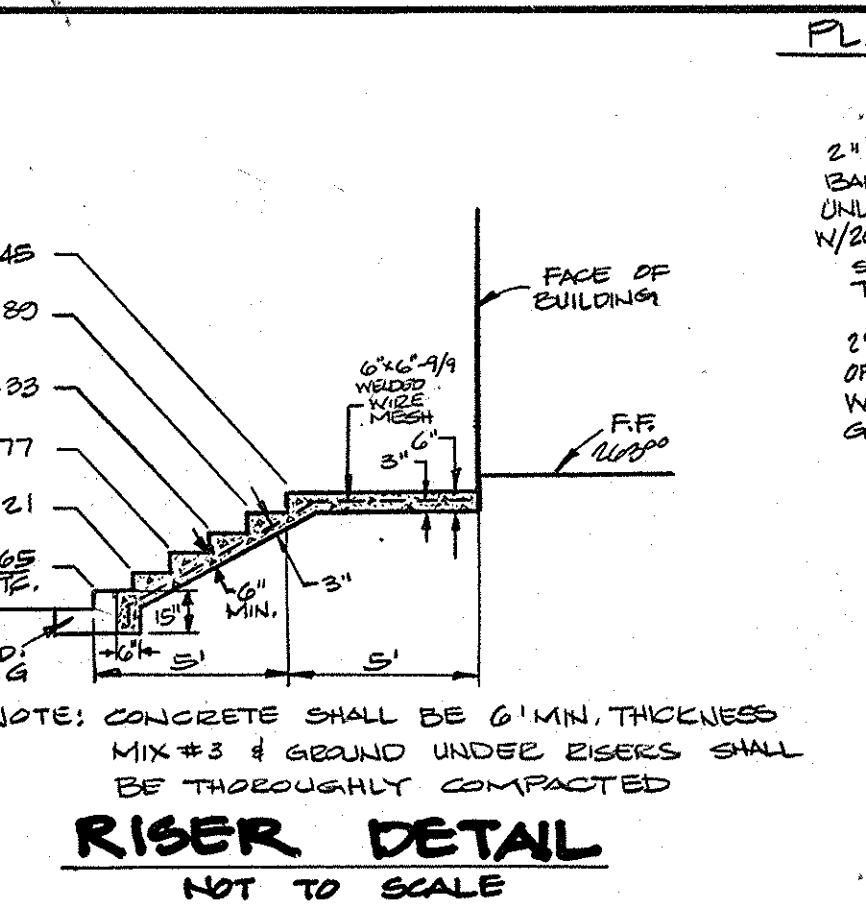
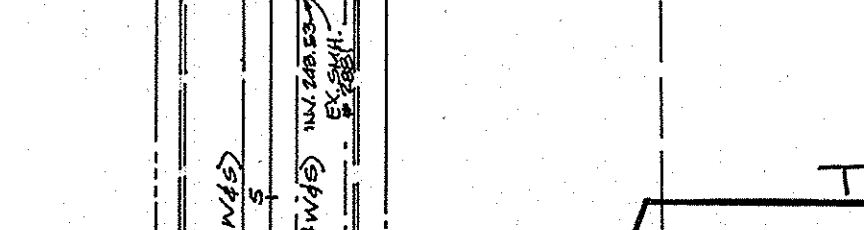
**REVERSE SLOPE CURB & GUTTER DETAIL**



**SECTION 'A'-A'**



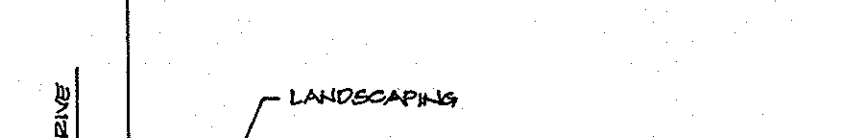
**TYPICAL R.R. GRADE CROSSING**



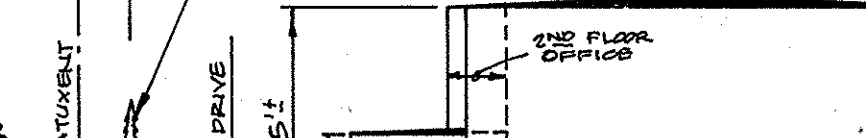
**RISER DETAIL**



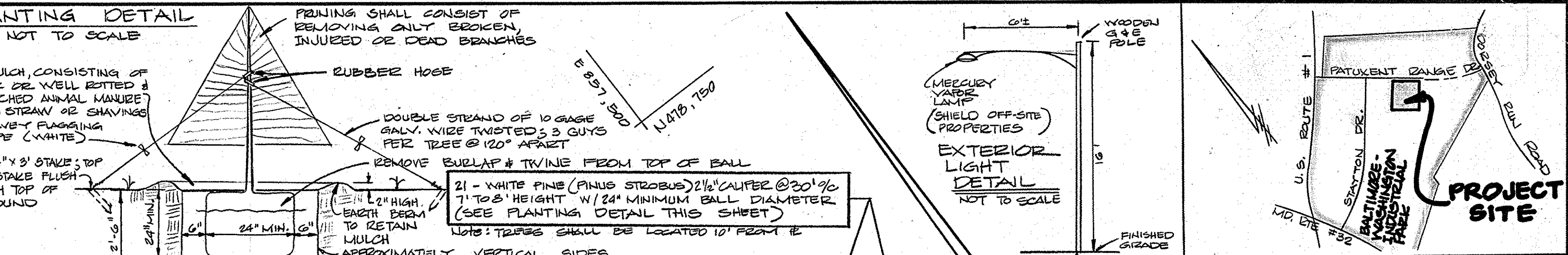
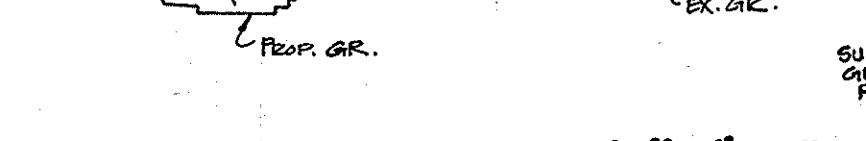
**SECTION 'A'-A'**



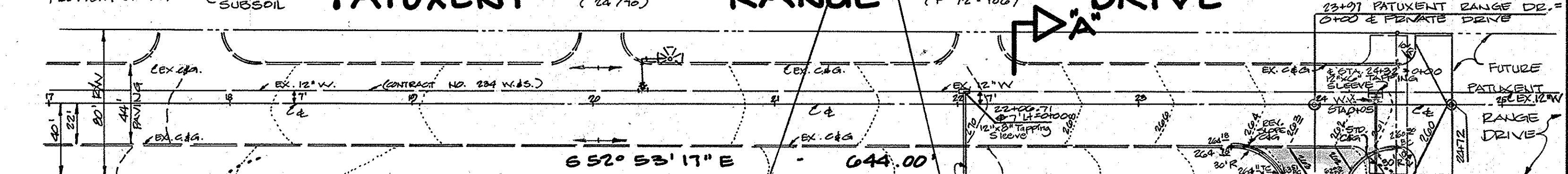
**SECTION 'A'-A'**



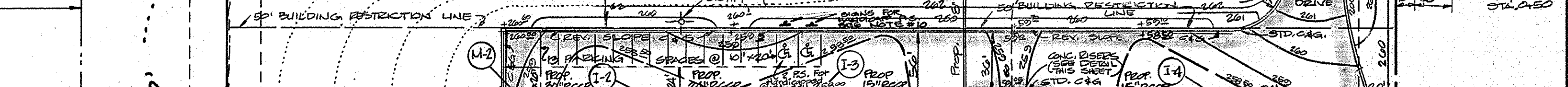
**TYPICAL R.R. GRADE CROSSING**



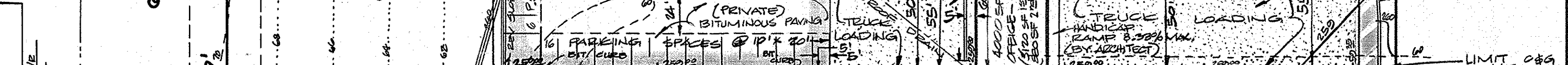
**VICINITY MAP**



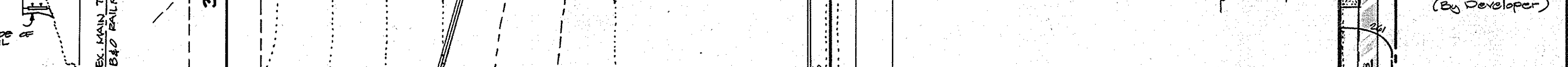
**SECTION 'A'-A'**



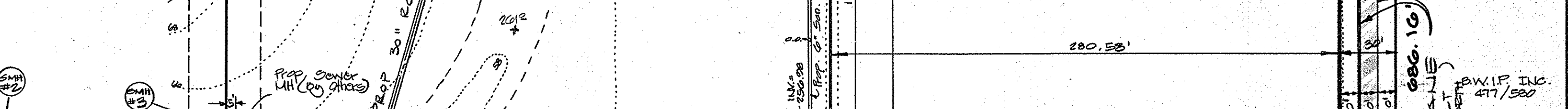
**TYPICAL R.R. GRADE CROSSING**



**TYPICAL R.R. GRADE CROSSING**



**TYPICAL R.R. GRADE CROSSING**



**TYPICAL R.R. GRADE CROSSING**



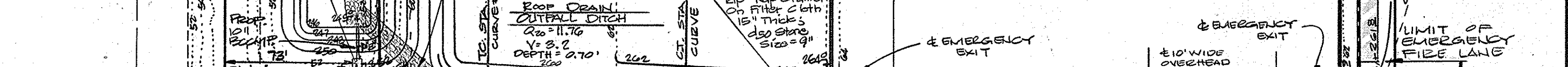
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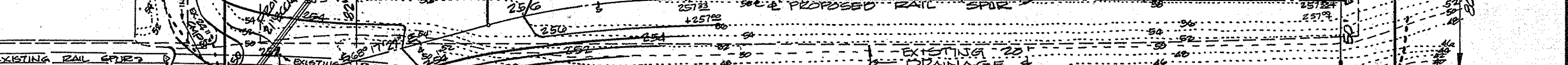
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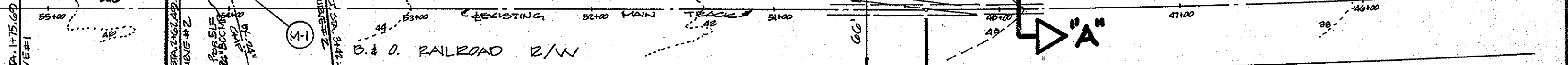
**TYPICAL R.R. GRADE CROSSING**



**TYPICAL R.R. GRADE CROSSING**



**TYPICAL R.R. GRADE CROSSING**



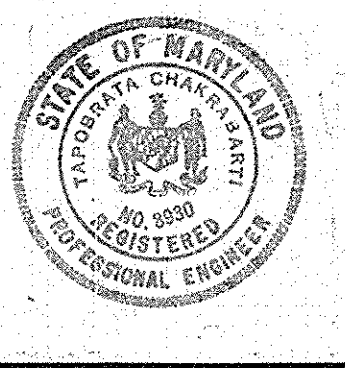
**TYPICAL R.R. GRADE CROSSING**



**TYPICAL R.R. GRADE CROSSING**



**GEORGE WILLIAM STEPHENS, JR.**  
 & ASSOCIATES INC.  
 ENGINEERS & SURVEYORS  
 303 ALLEGHENY AVENUE  
 TOWSON, MARYLAND, 21204



ENGINEER:  
 [Signature]  
 8930  
 12-8-79  
 DATE

**OWNER**  
**B.J.B. DEVELOPMENT COMPANY**  
 12630 GREENFIELD ROAD DETROIT, MICH. 48227

**DEVELOPER**  
**GLEN ARM CONSTRUCTION & DEVELOPMENT CO.**  
 11109 OLD CARRIAGE RD. GLENARM, MD. 21057

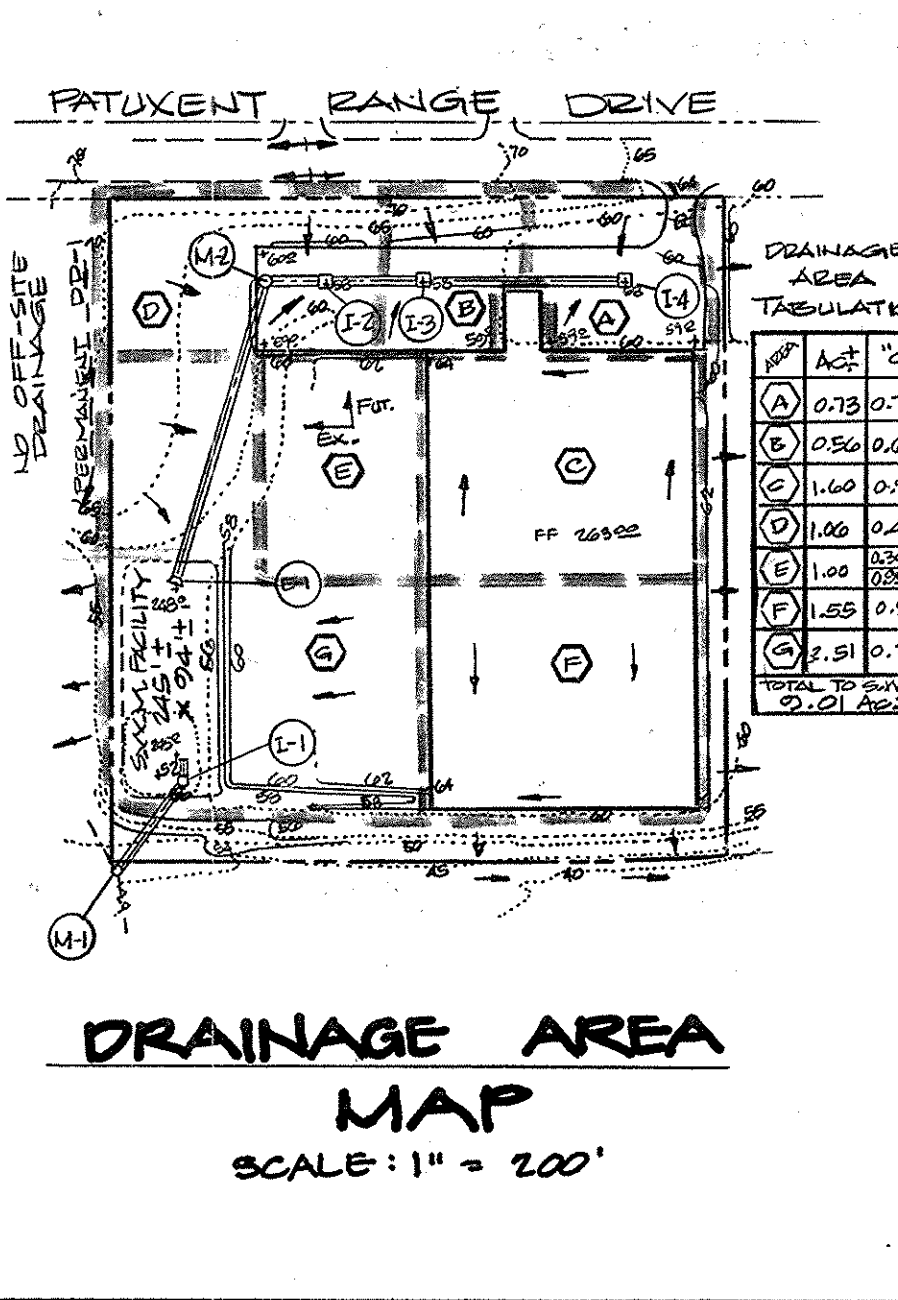
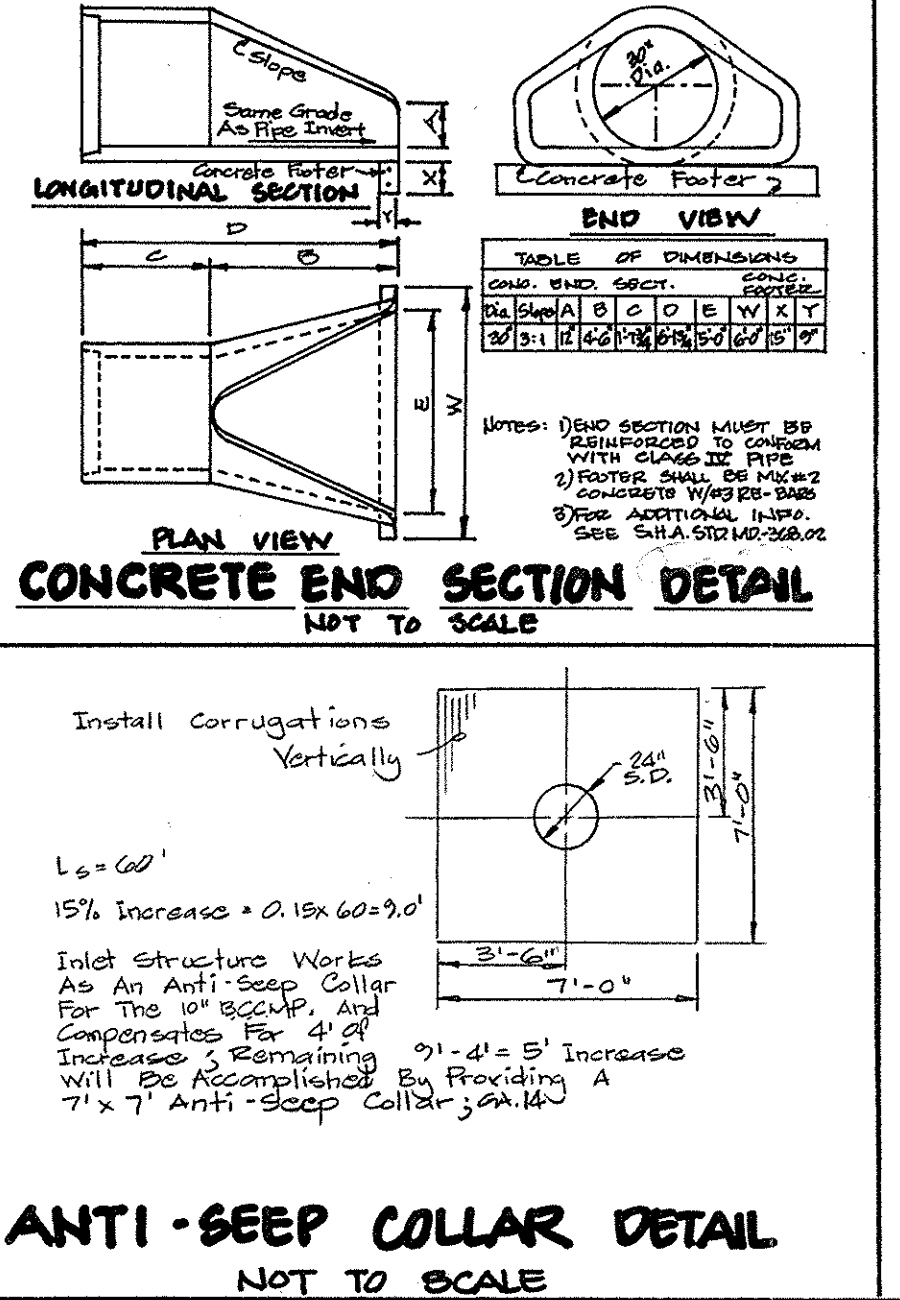
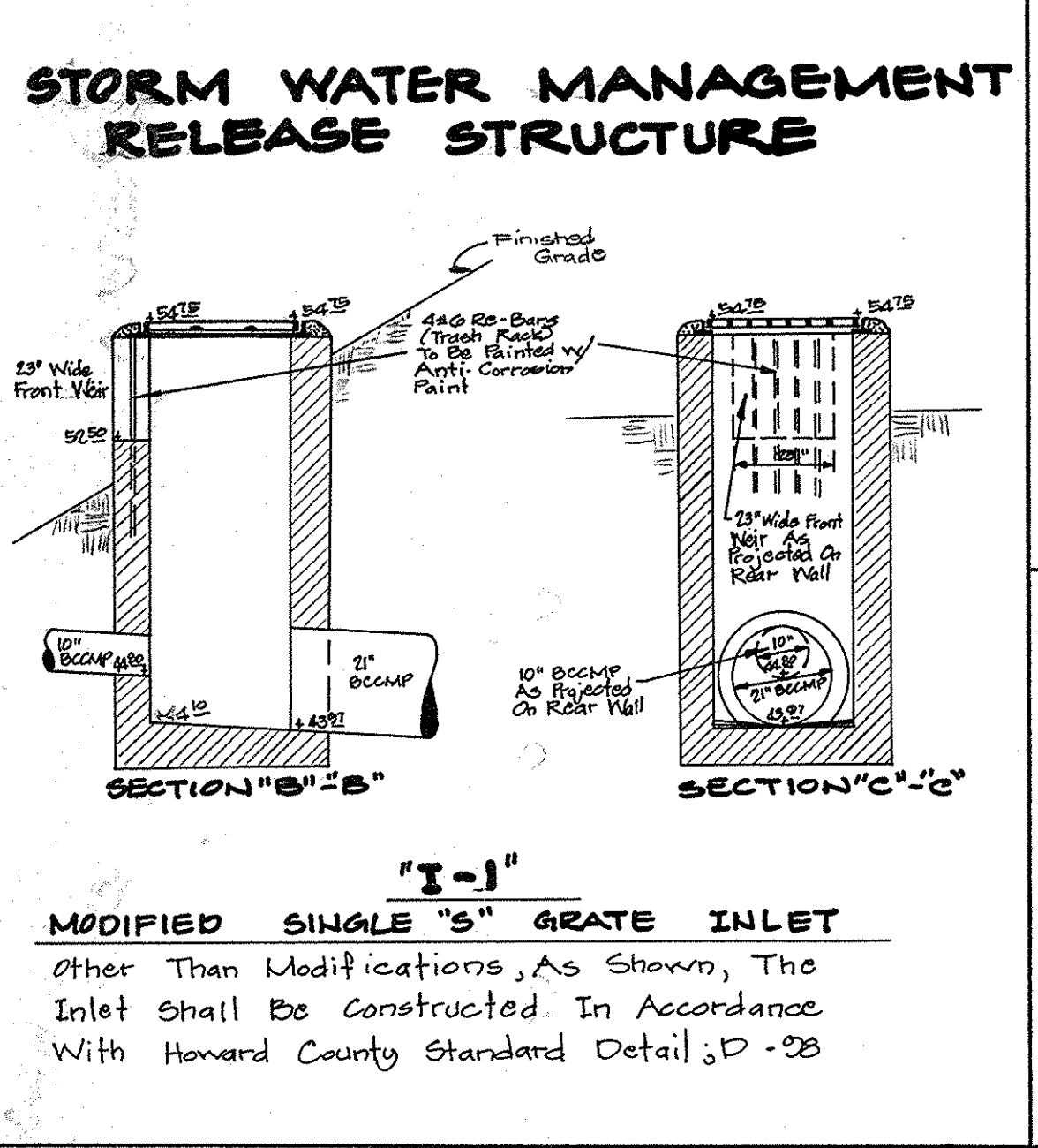
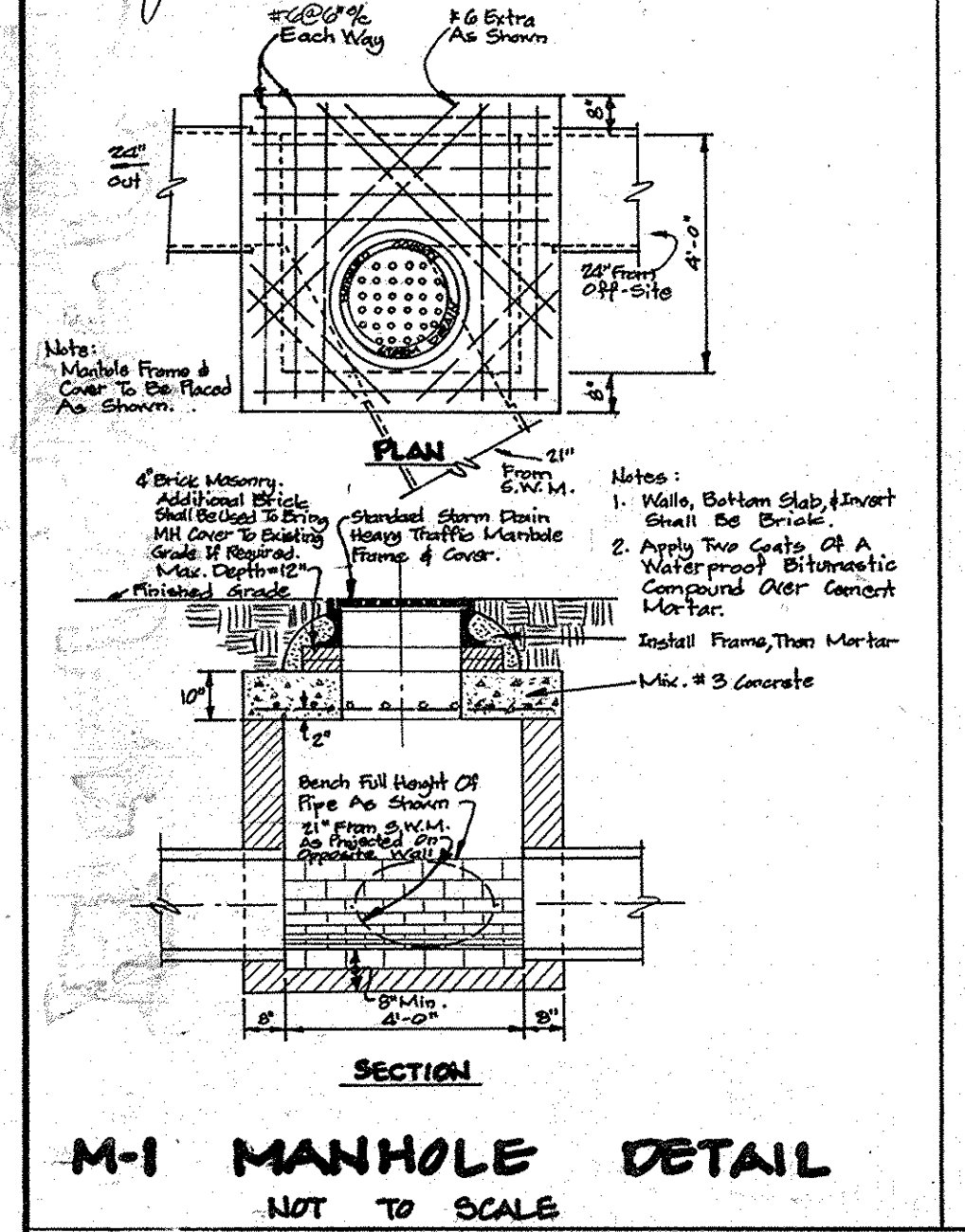
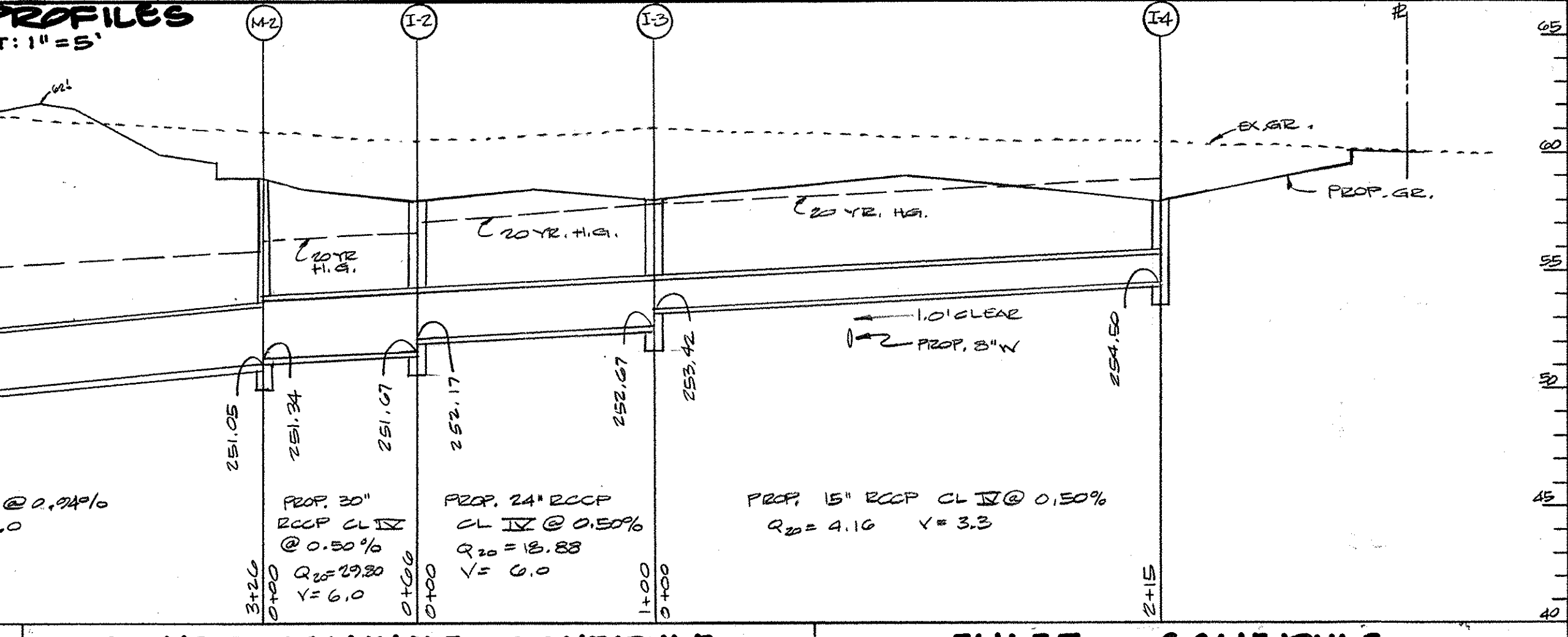
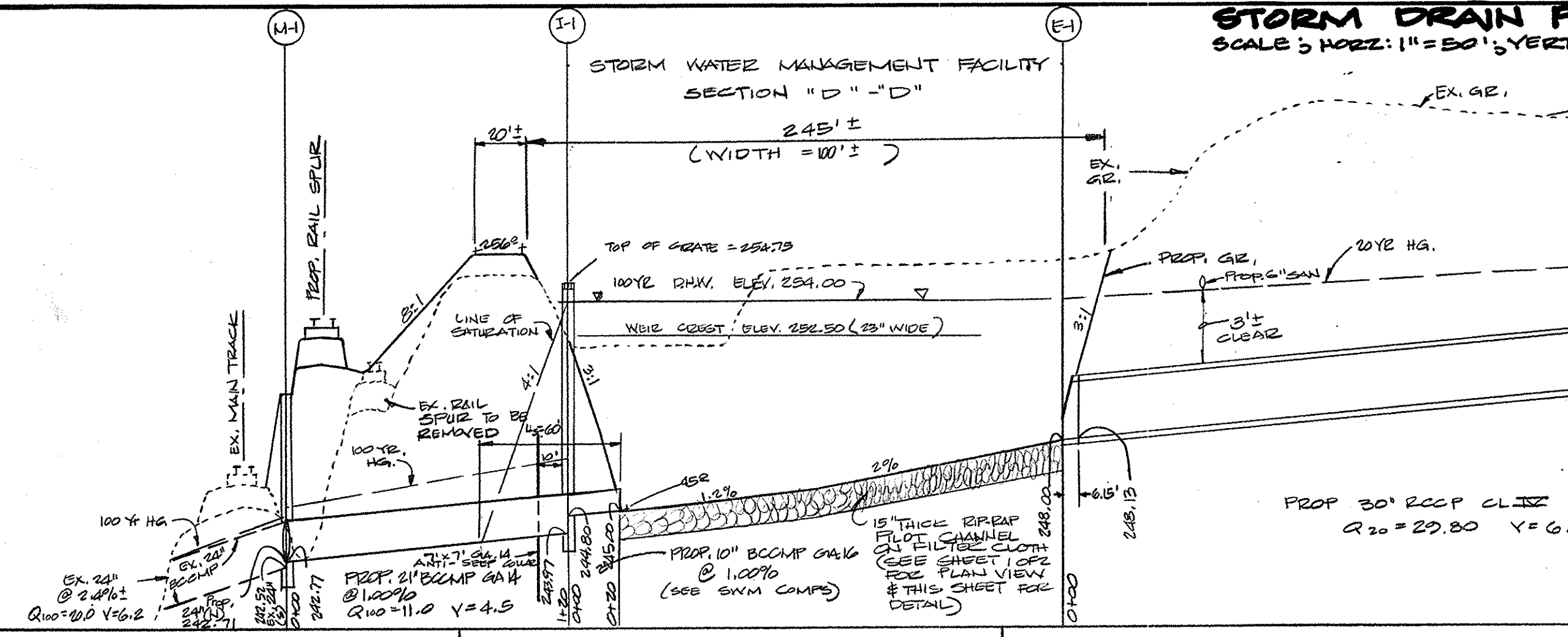
DESIGN BY: RWR  
 DRAWN BY: RWR  
 CHECKED BY: TC  
 PROJECT NO. 1100

REVISIONS  
 2-2-80  
 [Signature]  
 DATE

**SITE PLAN**  
 FOR  
**PROPOSED OFFICE & WAREHOUSE**  
 BLOCK 'D' - PARCEL 'C'  
 BALTIMORE - WASHINGTON  
 INDUSTRIAL PARK  
 HOWARD COUNTY, MARYLAND ELECTION DISTRICT # 6  
 SCALE: 1"=50' AS SHOWN \* SHEET 1 OF 4 \* REVISIONS 2, 1979  
 SDP-80-86 SDP # 80-86



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM  
 HOWARD COUNTY HEALTH DEPARTMENT  
 DATE: 2-27-80  
 COUNTY HEALTH OFFICER: [Signature]  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
 DATE: 2-28-80  
 PLANNING DIRECTOR: [Signature]  
 CHIEF OF LAND DEVELOPMENT: [Signature]  
 APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, AND STORM  
 DRAINAGE SYSTEMS, AND ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DATE: 2-25-80  
 DIRECTOR: [Signature]  
 CHIEF OF BUREAU OF ENGINEERING: [Signature]  
 DATE: 2-22-80  
**HOWARD SOIL CONSERVATION DISTRICT**  
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND  
 SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
 DATE: 2-13-80  
 APPROVED: HOWARD SOIL CONSERVATION DISTRICT  
 REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND  
 MEETS TECHNICAL REQUIREMENTS  
 DATE: 2-13-80  
 SIGNATURE: THE UNITED STATES SOIL CONSERVATION DISTRICT



**SEWER MANHOLE SCHEDULE**

NO.	TYPE	TOP ELEV.	INV. IN.	INV. OUT.	REMARKS
SMH-1	STD. LINE MH	254.40 ±	244.00	243.51 ±	HO. CO. STD. S-2
SMH-2	STD. LINE MH	261.00 ±	252.42	252.22	HO. CO. STD. S-2
SMH-3	STD. LINE MH	265.00 ±	253.80	253.70	HO. CO. STD. S-2

Notes: Meet Existing Ground Elevation For Exact Top Elevation

**INLET SCHEDULE**

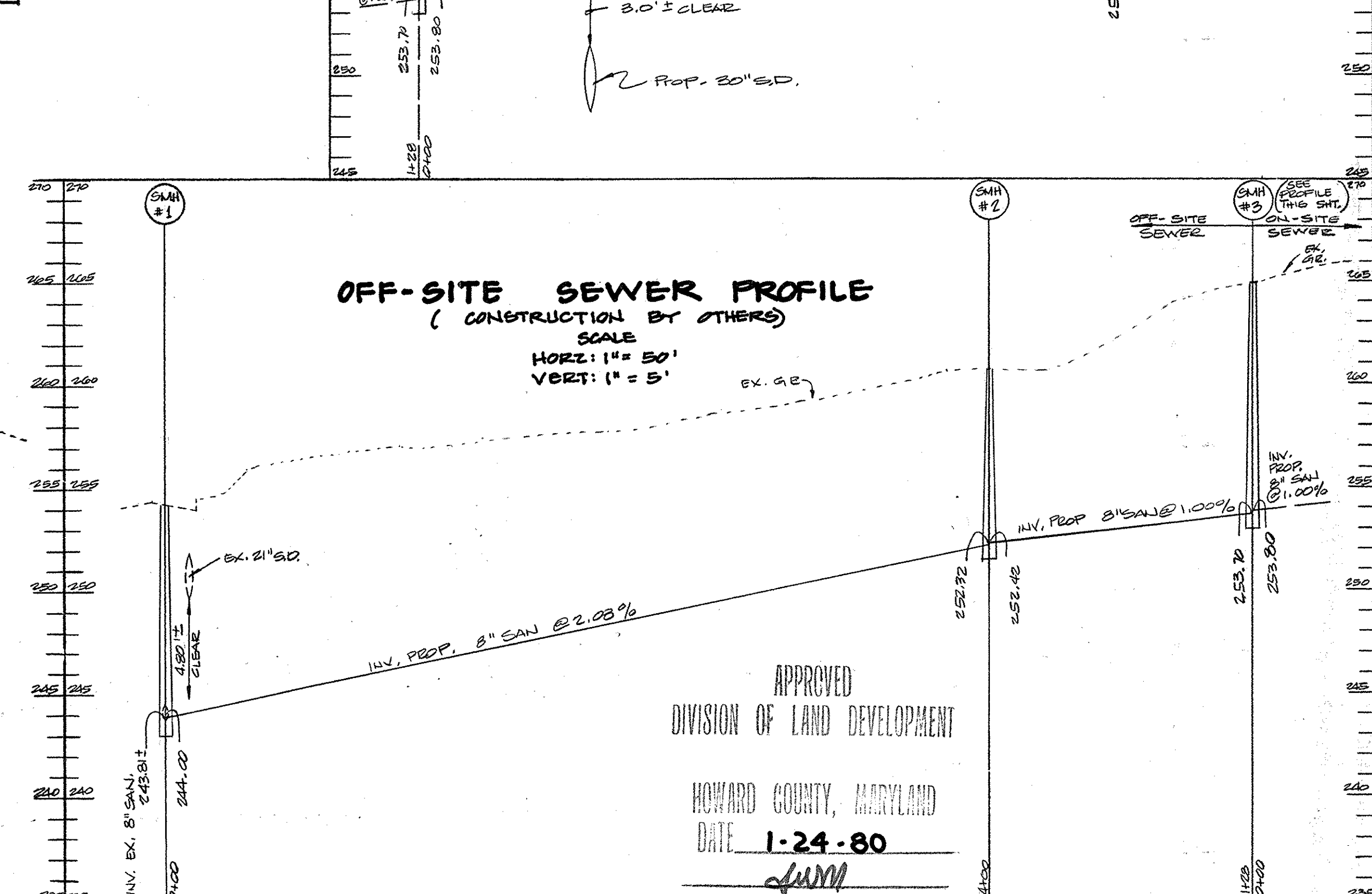
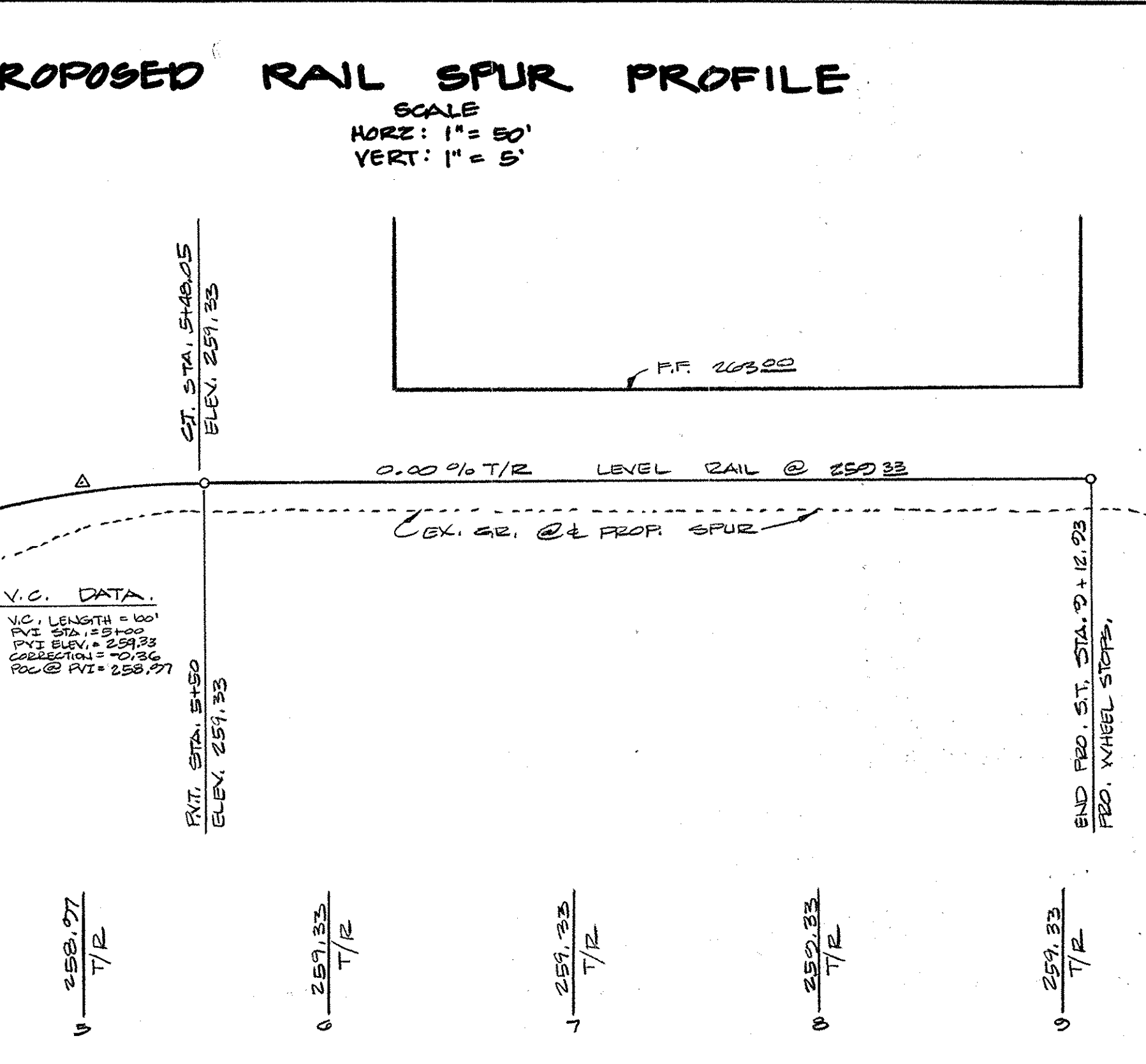
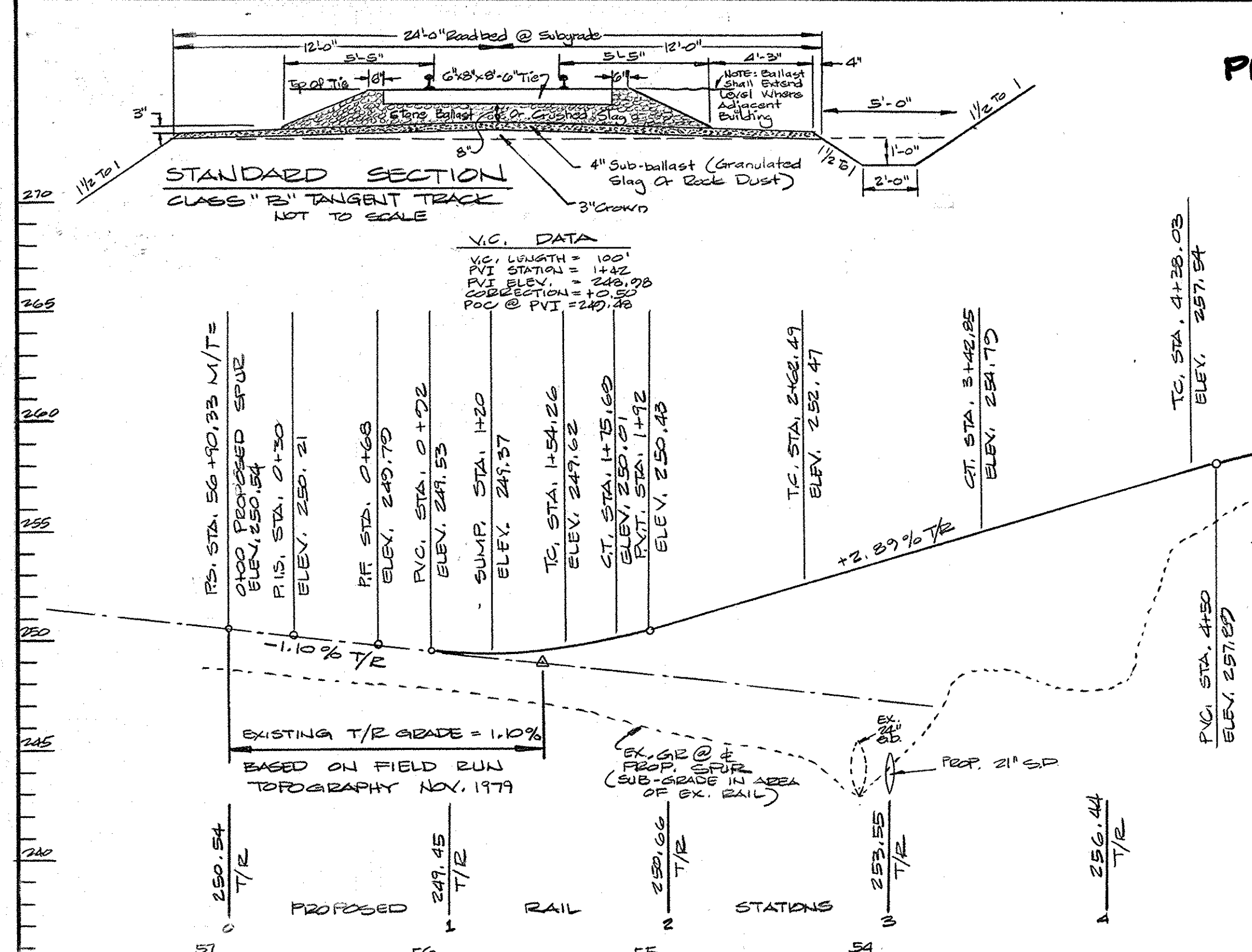
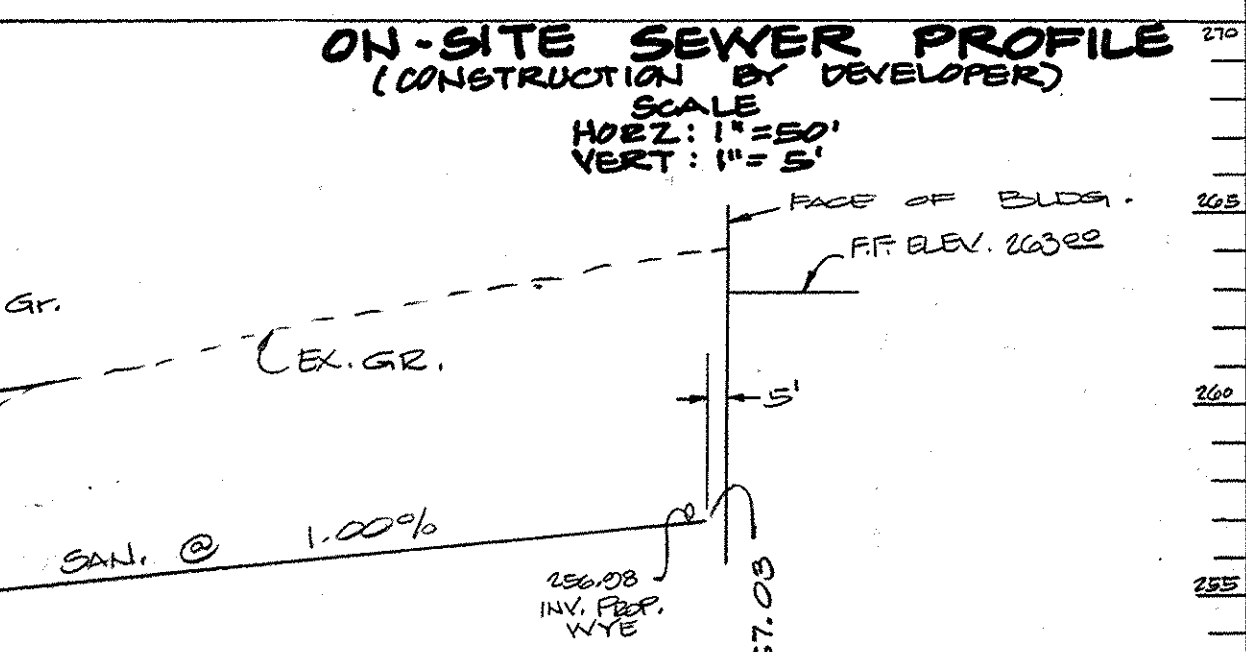
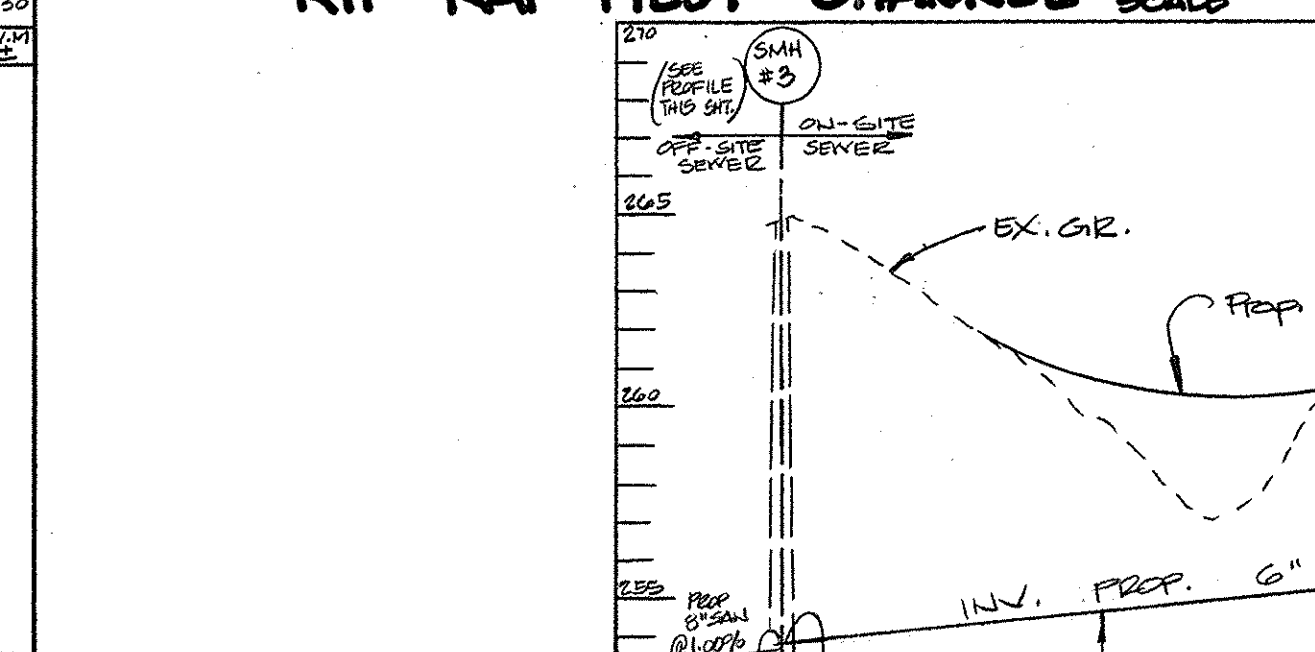
NO.	TYPE	TOP ELEV.	INV. IN.	INV. OUT.	REMARKS
I-1	Modified Single "S"	254.73	244.80	243.97	See Detail This Sht.
I-2	DBL "S" GATE	258.00	251.17	251.07	HO. CO. STD. D-102
I-3	DBL "S" GATE	258.00	253.42	252.67	HO. CO. STD. D-102
I-4	DBL "S" GATE	258.00	—	254.50	HO. CO. STD. D-102

**MANHOLE SCHEDULE**

NO.	TYPE	TOP ELEV.	INV. IN.	INV. OUT.	REMARKS
M-1	Special Manhole	250.00	242.77	242.52	See Detail This Sht.
M-2	Standard Manhole	250.00	251.24	251.05	HO. CO. STD. D-103

**STRUCTURE SCHEDULE**

NO.	TYPE	TOP ELEV.	INV. IN.	INV. OUT.	REMARKS
E-1	CONC. END SECT.	245.13	245.00	245.00	See Detail This Sht.



**GEORGE WILLIAM STEPHENS, JR.**  
 & ASSOCIATES INC.  
 ENGINEERS & SURVEYORS  
 303 ALLEGHENY AVENUE  
 TOWSON, MARYLAND, 21204

STATE OF MARYLAND  
 PROFESSIONAL ENGINEER  
 ENGINEER: [Signature]  
 8930  
 12-6-79  
 DATE

**OWNER**  
**B.J.B. DEVELOPMENT COMPANY**  
 12030 GREENFIELD ROAD  
 DETROIT, MICH. 48227

**DEVELOPER**  
**GLEN ARM CONSTRUCTION & DEVELOPMENT CO.**  
 11100 OLD CARRIAGE RD., GLENARM, MD. 21057  
 601-8045

**DESIGN BY: R.W.R.**  
**DRAWN BY: R.W.R.**  
**CHECKED BY: T.C.**  
**PROJECT NO. 4200**

**REVISIONS**

**DATE: 12-7-79**  
**DATE**

**PROFILES AND DETAILS**  
 FOR  
**PROPOSED OFFICE & WAREHOUSE**  
 BLOCK 'D' - PARCEL 'C'  
 BALTIMORE - WASHINGTON  
 INDUSTRIAL PARK  
 HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN \* SHEET 2 OF 4 \*  
 ELECTION DISTRICT # 6  
 DECEMBER 6, 1979  
 SDP-80-86  
 BOP# 80-86



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY DEPARTMENT OF HEALTH

*Joseph Boyd* 2-27-80  
 PLANNING DIRECTOR

*James J. Murrain* 2-28-80  
 CHIEF OF LAND DEVELOPMENT

*Mark F. Mumery* 2-25-80  
 DIRECTOR

*William S. Riney* 2-22-80  
 CHIEF OF BUREAU OF ENGINEERING

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, AND STORM DRAINAGE SYSTEMS, AND ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED FOR THE HOWARD SOIL CONSERVATION DISTRICT  
 THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION & SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*Robert J. Ziem* 2-13-80  
 DISTRICT ENGINEER

*James M. Smith* 2-13-80  
 SUPERVISOR

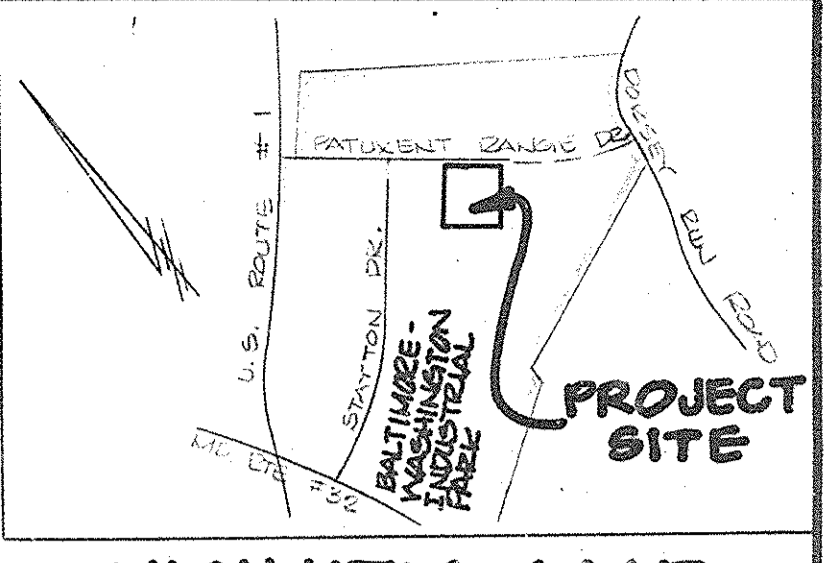
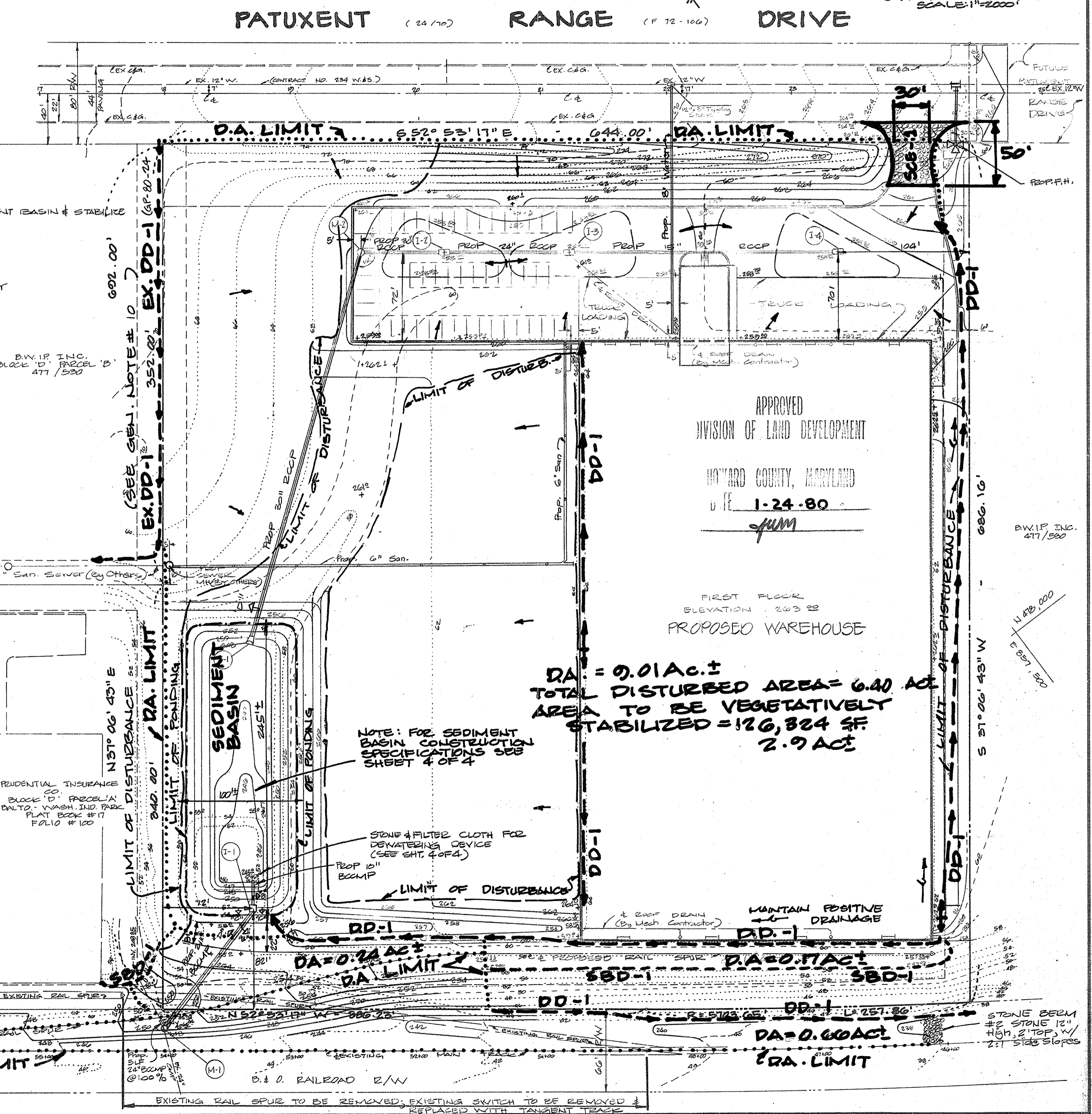
**GENERAL NOTES**

- EROSION & SEDIMENT CONTROL**
- SUITABLE MATERIAL SHALL BE USED FOR FILL AND BOLDED TO A MINIMUM DEGREE OF COMPACTION OF 95% OF THE DESIGN UNIT WEIGHT AS DETERMINED BY ASTM D698; ALL SUB-GRADES SHALL BE COMPACTED TO THE SAME DEGREE.
  - CONTRACTOR TO PLACE 4" TOPSOIL THEN SEED AND MULCH ALL DISTURBED AREAS NOT RECEIVING PAVING OR BUILDING COVERAGE AS SOON AS FINAL GRADING OPERATION HAS BEEN COMPLETED; SEE NOTE # 8 FOR SEED SPEC.
  - ALL WORK TO BE DONE IN ACCORDANCE WITH THE STANDARDS & SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS, JULY 1975.
  - THE CONTRACTOR IS TO TAKE CARE AT ALL TIMES DURING CONSTRUCTION TO PREVENT SEDIMENT DAMAGE TO ADJACENT PROPERTIES AND/OR SITING OF ROADWAYS.
  - DURING THE LAYOUT OF SEDIMENT CONTROL PRACTICES REQUIRED BY THIS PLAN, MINOR FIELD ADJUSTMENTS CAN AND WILL BE MADE TO ASSURE THE AREAS AND CONTROL OF ANY SEDIMENT BEFORE IT LEAVES THE CONSTRUCTION SITE. CHANGES TO SEDIMENT CONTROL PRACTICES SHOWN ON THIS PLAN REQUIRE PRIOR APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE HOWARD SOIL CONSERVATION DISTRICT.
  - AT THE END OF EACH WORKING DAY, ALL SEDIMENT CONTROL PRACTICES WILL BE INSPECTED AND LEFT IN AN OPERATIONAL CONDITION.
  - TEMPORARY DRAINAGE SHALL BE PROVIDED TO AVOID FLOODING OF WATER.
  - PERMANENT SEEDING SPECIFICATION: SHALL BE KENTUCKY 31 TALL FESCUE APPLIED AT A RATE OF 5#/1000 SF; LIME SHALL BE APPLIED AT A RATE OF 2 TONS/AC; COMMERCIAL FERTILIZER (0-10-10) APPLIED AT A RATE OF 3/4 TON/AC; UNIFORM MULCH AREAS WITH UNWEATHERED SMALL GRAIN STRAW, PREFERABLY WHEAT, AT A RATE OF 1 1/2 T/AC. & ANCHOR WITH ASPHALT THE DOWN USING LIQUID ASPHALT RAPID CURING (RC-70, RC-250, RC-300) AT A RATE OF 0.1 GAL/SF.
  - THE UPPER END OF THE STORM DRAIN PIPE WILL BE PLUGGED AT THE END OF EACH WORKING DAY DURING CONSTRUCTION (SEE DETAIL SHT. 4 OF 4).
  - THE EXISTING DIVERSION DIKE TO THE WEST OF THE PROJECT SITE SHALL REMAIN IN PLACE UNTIL THE ADJACENT PROPERTY HAS BEEN DEVELOPED AND SUCH DEVELOPER HAS ASSURED THAT NO OFF-SITE RUN-OFF WILL DRAIN ONTO THE PROJECT SITE.
  - THE SEDIMENT BASIN CLEAN-OUT ELEVATION SHALL BE MARKED ON A WITNESS POST PLACED IN A CONVENIENT LOCATION.
  - ANY EXISTING EROSION CONTROL MEASURES ON THE PROJECT SITE THAT WILL INTERFERE WITH SEDIMENT CONTROL MEASURES OR DRAINAGE AREAS SHOWN ON THIS PLAN SHALL BE REMOVED.
  - A RED LINE "AS-BUILT" DRAWING OF THE STORM WATER MANAGEMENT POND SHALL BE GIVEN TO THE SOIL CONSERVATION DISTRICT WITHIN 30 DAYS OF COMPLETION.

**CONSTRUCTION SEQUENCE**

- NOTIFY HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS INSPECTOR PRIOR TO STARTING ANY WORK.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- INSTALL DIVERSION DIKES, DD-1, & STRAW BALE DIKES, SBD-1
- INSTALL ALL PROPOSED STORM DRAINS, KEEPING THE INLET END OF THE PROPOSED 10" BCCMP TO THE SWM RELEASE STRUCTURE UNPAVED WITH FILTER CLOTH AND COVERED WITH STONE AS SHOWN ON SHEET 4 OF 4 (CONVERTING DEVICE)
- CONSTRUCT SEDIMENT BASIN ACCORDING TO SPECIFICATIONS ON SHEET 4 OF 4.
- START MAJOR GRADING, MAINTAINING POSITIVE DRAINAGE AS SHOWN ON THIS PLAN AT ALL TIMES.
- PLACE SUB-BASE MATERIALS ON PARKING, DRIVE, LOADING, AND BUILDING AREAS AS SOON AS POSSIBLE.
- COMPLETE ALL PAVING AND BUILDING CONSTRUCTION, THEN STABILIZE ALL OTHER DISTURBED AREAS & STABILIZE WITH 4" TOPSOIL, SEED, & MULCH (SEE NOTE #8)
- REMOVE TEMPORARY SEDIMENT CONTROL MEASURES EXCEPT THE SEDIMENT BASIN & STABILIZE THESE AREAS THEN FLUSH ANY SEDIMENT FROM DRAIN SYSTEMS AFTER OBTAINING PERMISSION FROM SEDIMENT CONTROL INSPECTOR.
- CLEAN-OUT SEDIMENT BASIN, INSTALL RIP-RAP FLOT CHANNEL (SEE SHEETS 1 & 2 OF 4), AND STABILIZE ALL BATH SURFACES BEFORE CONVERTING SEDIMENT BASIN TO SWM FACILITY; STABILIZE ACCORDING TO NOTE #8.
- CONVERT SEDIMENT BASIN TO STORM WATER MANAGEMENT FACILITY BY REMOVING THE STONE & FILTER CLOTH FROM THE INLET END OF THE 10" BCCMP TO THE SWM RELEASE STRUCTURE & STABILIZE THAT AREA ACCORDING TO NOTE #8.

STAYTON DRIVE



**ENGINEER'S CERTIFICATE**

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION & 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*George William Stephens, Jr.* 8936 12-6-79  
 ENGINEER

**OWNER**

**B.J.B. DEVELOPMENT COMPANY**  
 12630 GIBSONFIELD ROAD DETROIT, MICH. 48227

**DEVELOPER**  
**GLEN ARM CONSTRUCTION & DEVELOPMENT CO.**  
 11100 OLD CARRIAGE RD. GLEN ARM, MD. 21057  
 661-8043

**DEVELOPER'S CERTIFICATE**

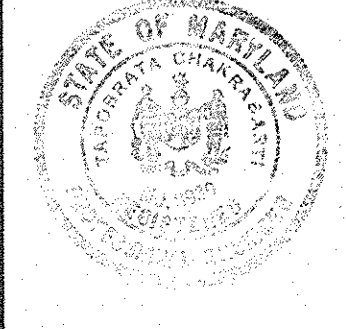
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.

*Robert J. Ziem* 12-7-79  
 SUPERVISOR

**DESIGN BY: R.W.R. EROSION AND SEDIMENT CONTROL PLAN FOR**

**PROPOSED OFFICE & WAREHOUSE**  
 BLOCK 'D' - PARCEL 'C'  
 BALTIMORE - WASHINGTON INDUSTRIAL PARK  
 HOWARD COUNTY, MARYLAND ELECTION DISTRICT # 6  
 SCALE: 1" = 50' AS SHOWN \* SHEET 3 OF 4 \* REVISIONS 6/1979  
 SDP-80-86

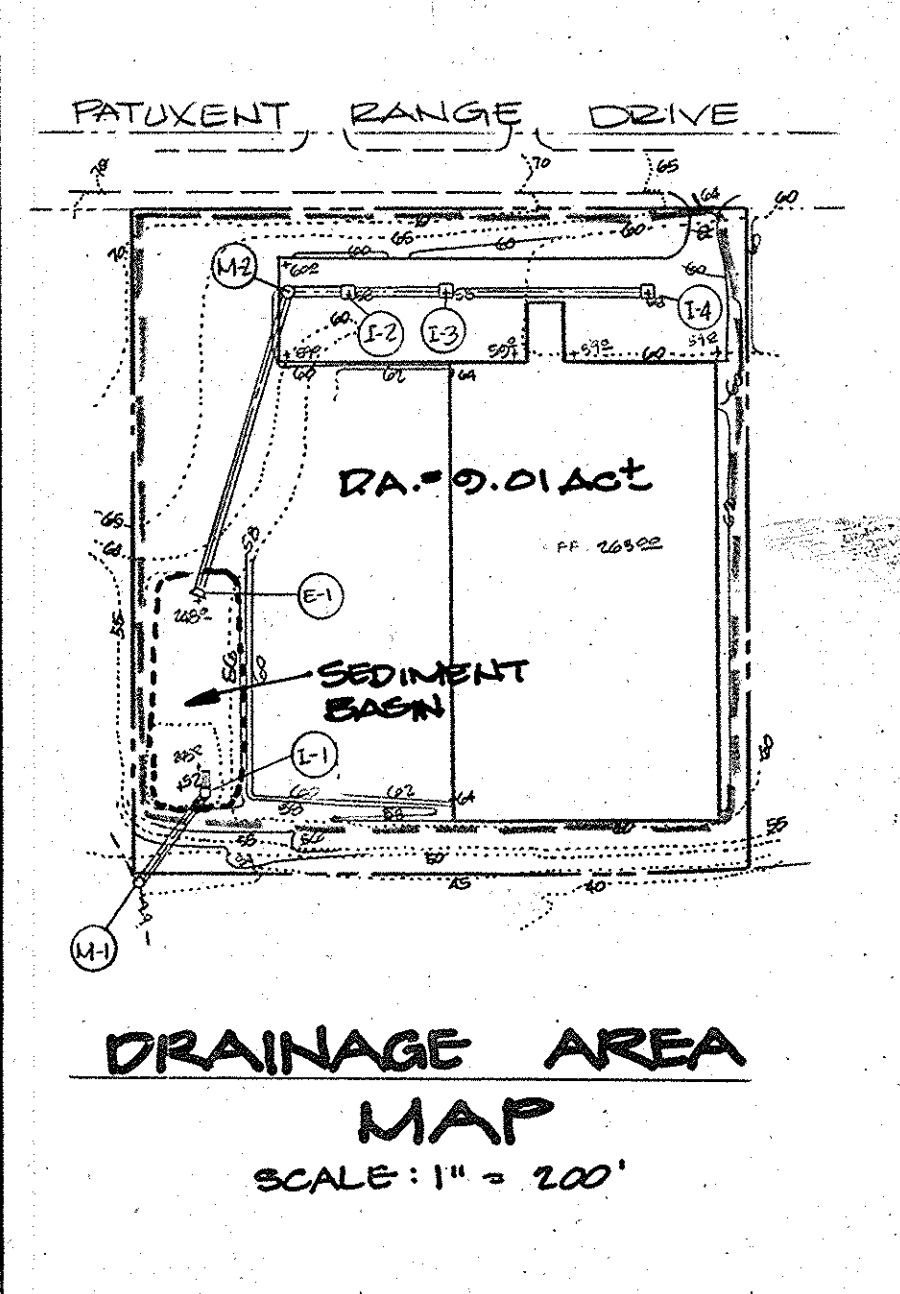
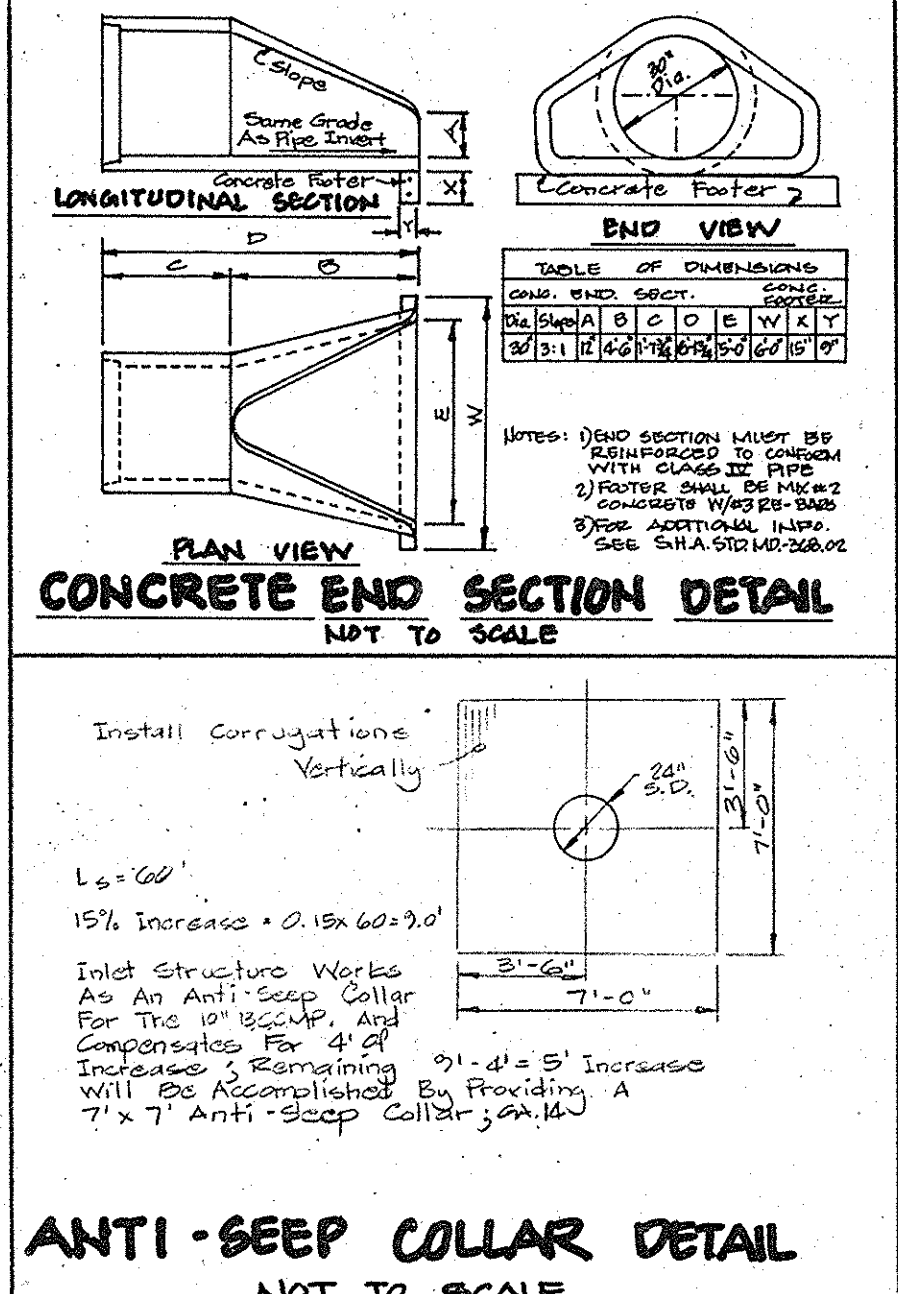
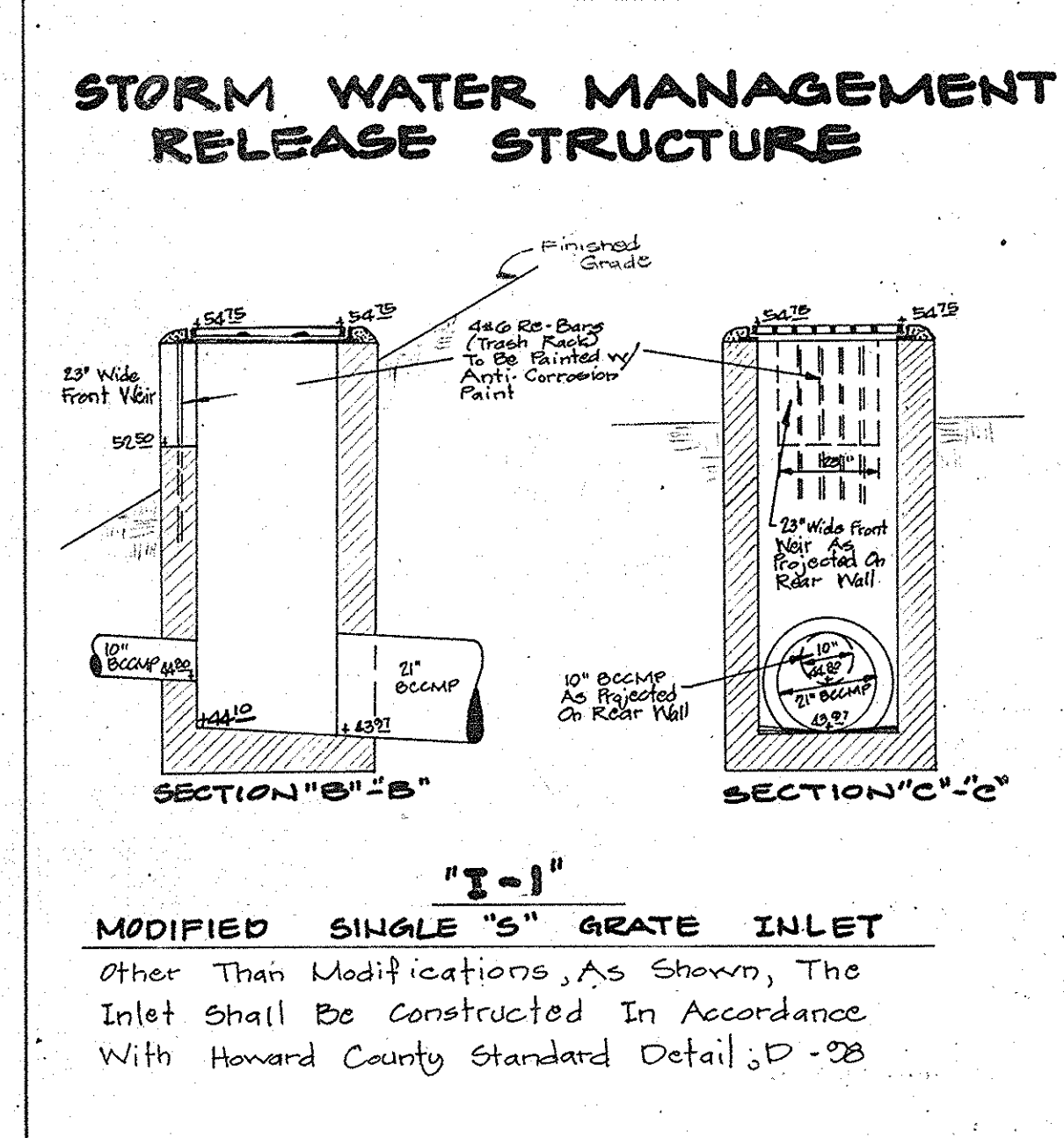
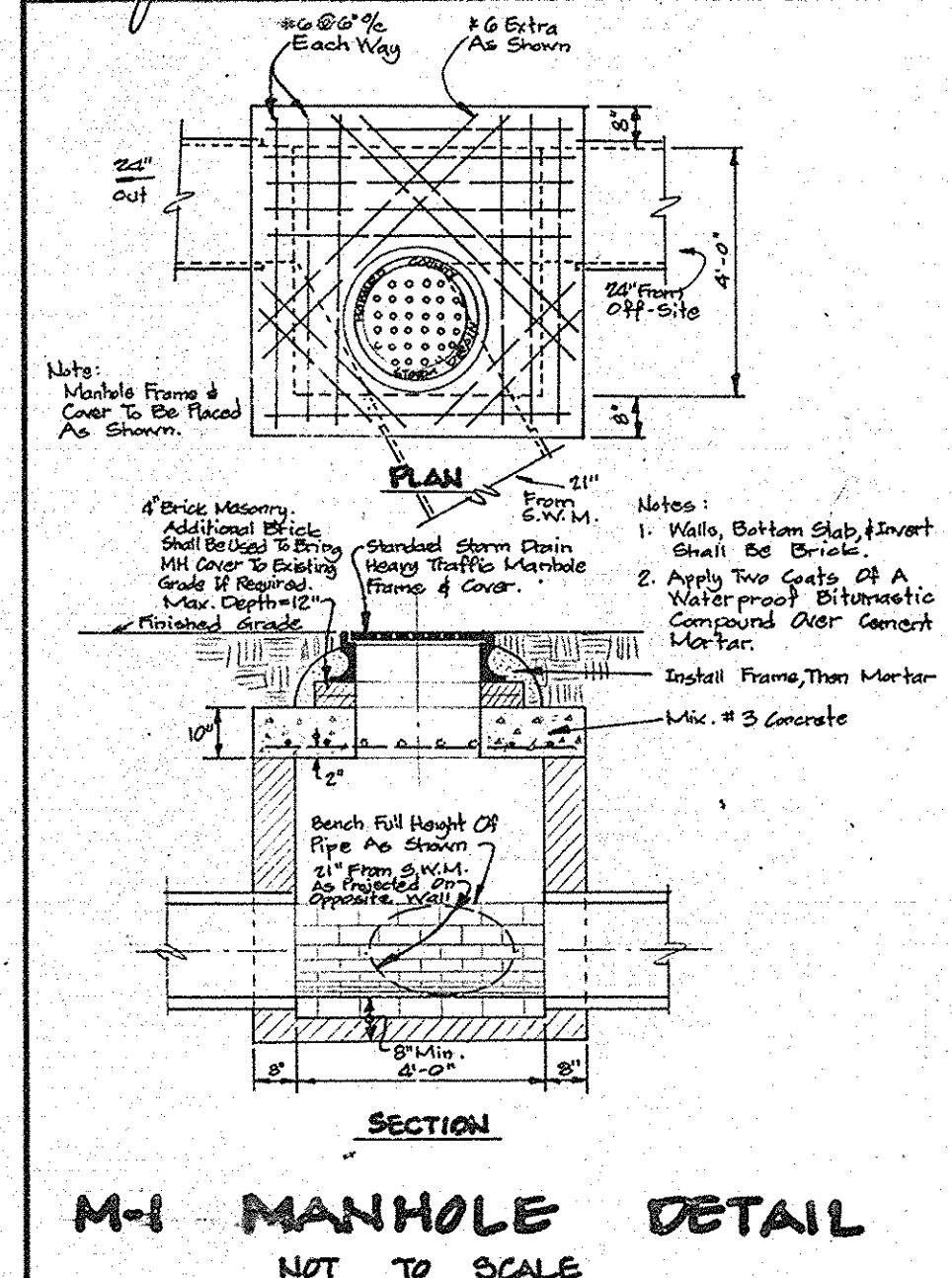
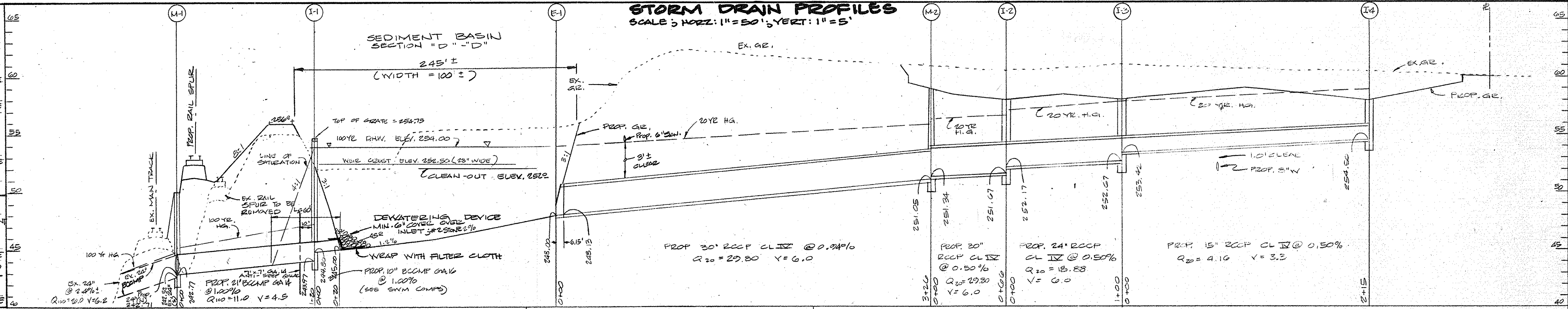
**GEORGE WILLIAM STEPHENS, JR. & ASSOCIATES INC.**  
 ENGINEERS & SURVEYORS  
 303 ALLEGHENY AVENUE  
 TOWSON, MARYLAND, 21204



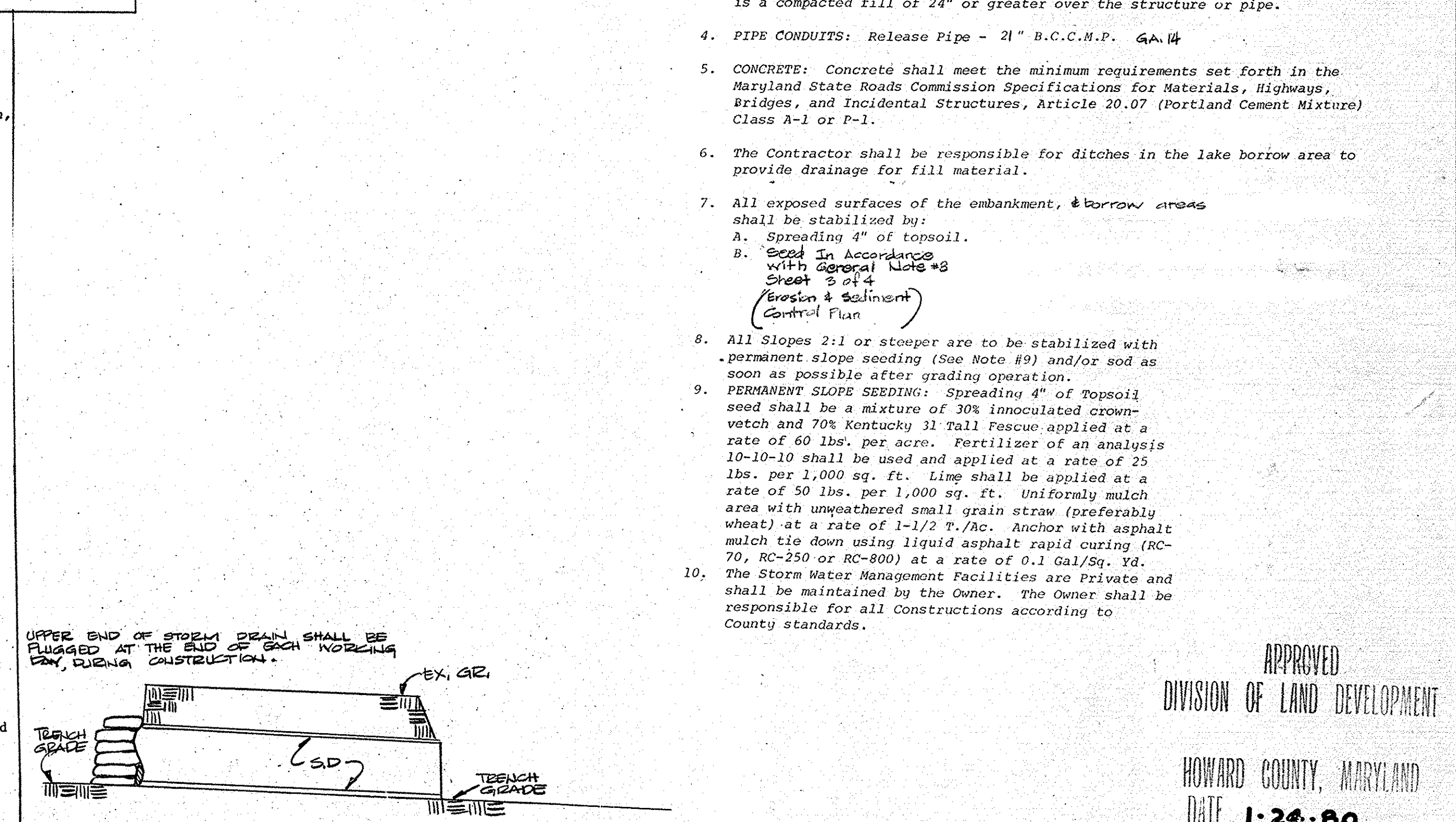
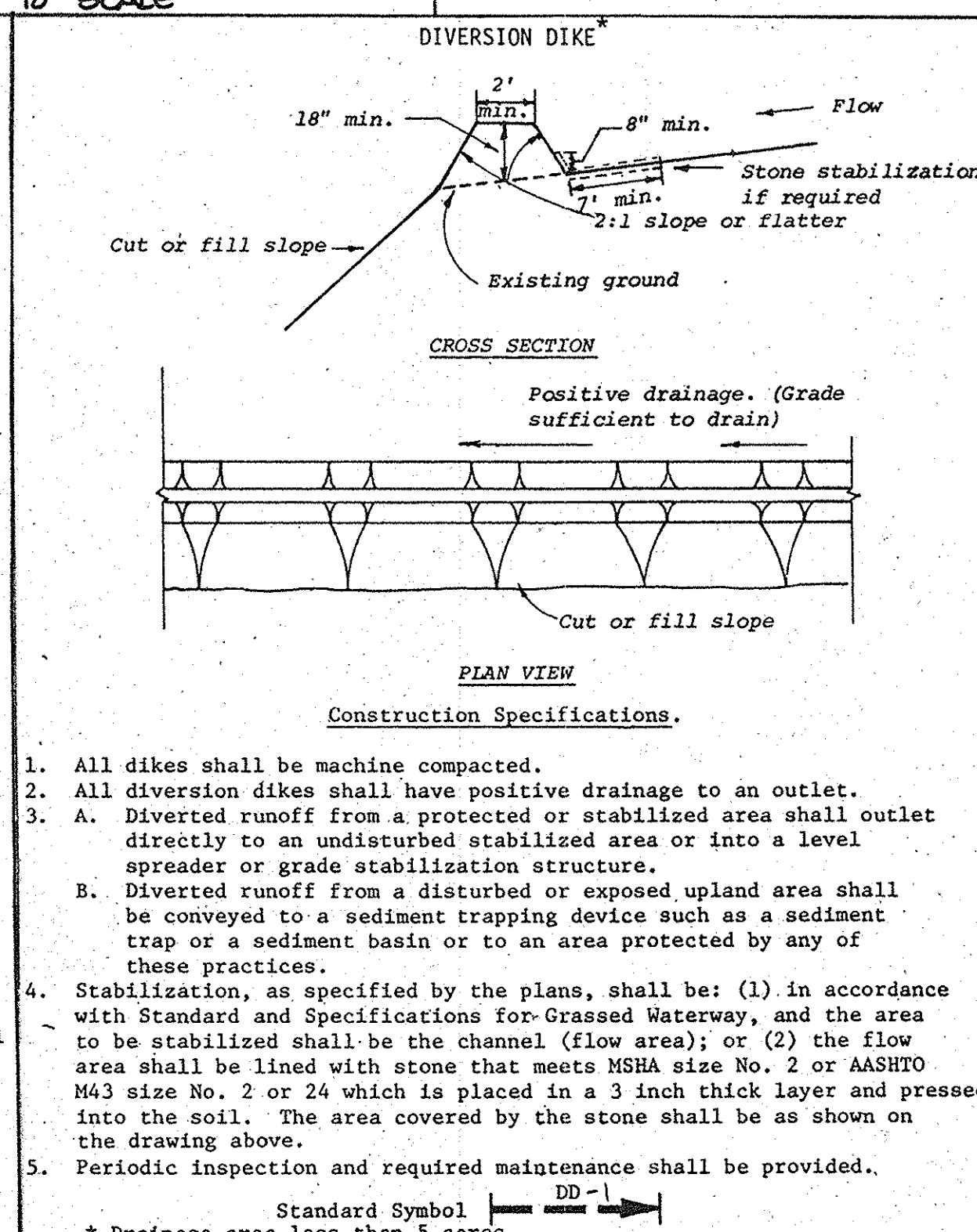
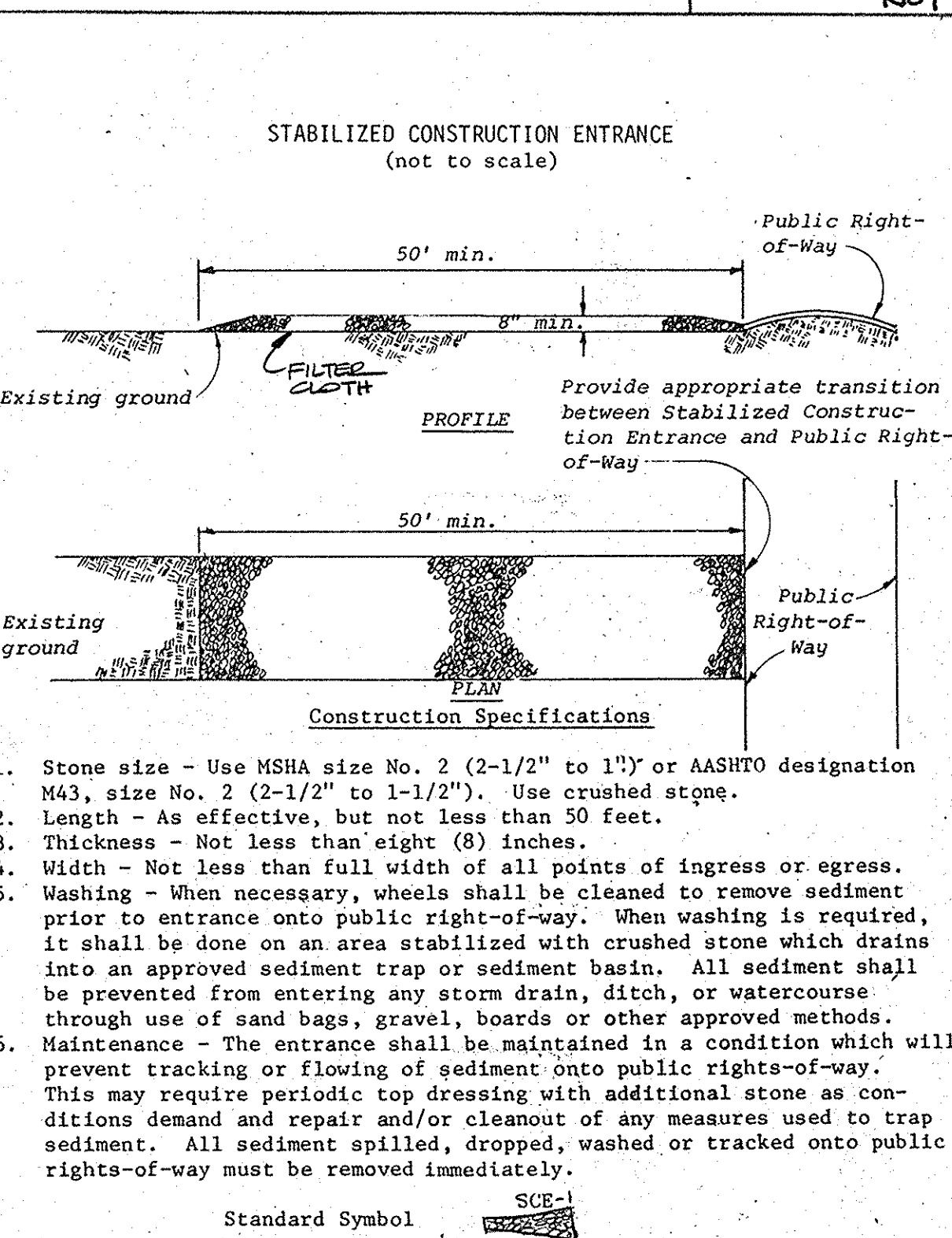
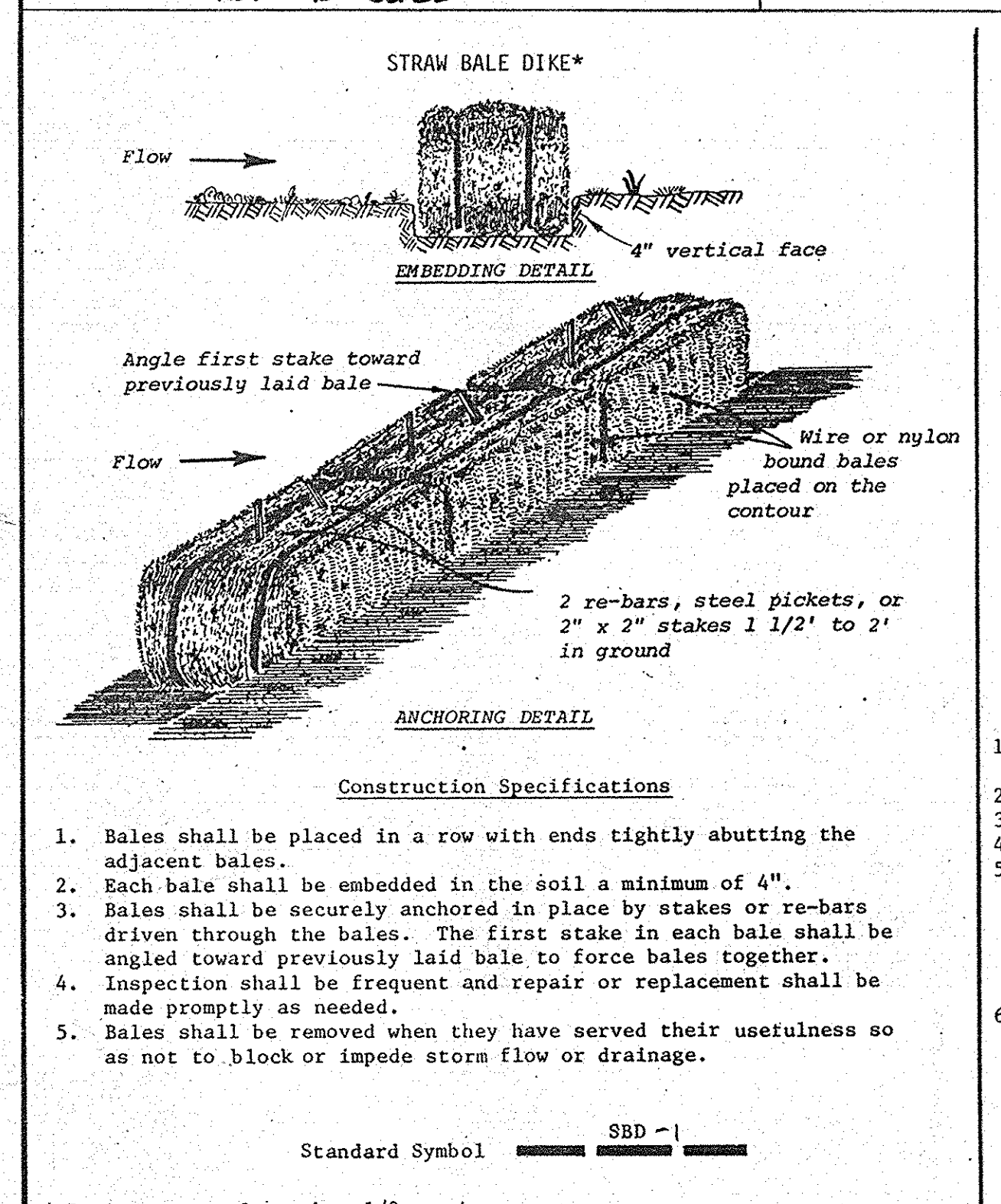


APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM  
 HOWARD COUNTY HEALTH DEPARTMENT  
**Joseph Boyles** 2-27-80  
 COUNTY HEALTH OFFICER  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
**Thomas J. Smith** 2-28-80  
 PLANNING DIRECTOR  
**John W. Musselman** 2-28-80  
 CHIEF OF LAND DEVELOPMENT  
 APPROVED FOR THE PUBLIC WATER, PUBLIC SEWERAGE, AND STORM  
 SEWERAGE SYSTEMS AND ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
**David F. Nemmy** 2-25-80  
 DIRECTOR  
**John E. Ryan** 2-22-80  
 CHIEF OF BUREAU OF ENGINEERING

**HOWARD SOIL CONSERVATION DISTRICT**  
 THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION & SEDIMENT  
 CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL  
 CONSERVATION DISTRICT.  
**Robert W. Wilson** 2-13-80  
 APPROVED: HOWARD SOIL CONSERVATION DISTRICT  
 REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND  
 MEETS TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION,  
 SOIL EROSION, & SEDIMENT CONTROL.  
**John M. DeLoe** 2-13-80  
 SIGNATURE: THE UNITED STATES SOIL CONSERVATION SERVICE DATE



- (SEDIMENT BASIN) STORM WATER MANAGEMENT CONSTRUCTION SPECIFICATIONS**
- SITE PREPARATION:** The embankment area (fill) and borrow area shall be cleared and grubbed to remove all trees, vegetation, roots and other objectionable material. The topsoil from the embankment area and borrow area shall be removed and stockpiled, the topsoil shall be spread on the completed embankment.
  - EARTH FILL:**
    - Material:** The fill material shall be obtained from the pond excavation, it shall be free from roots, stumps, wood, rubbish, oversized stones, frozen or other objectionable materials. The embankment shall be constructed to the elevations as shown on the plan to allow for anticipated settlement.
    - Placement:** Areas on which fill is to be placed, shall be scarified prior to placement of fill. Fill material shall be placed in 6\"/>
  - STRUCTURAL BACKFILL:** Backfill material shall be of the type and quality conforming to that specified for the adjoining fill material. The fill shall be placed in horizontal layers not to exceed 4\"/>
  - PIPE CONDUITS:** Release Pipe - 21\"/>
  - CONCRETE:** Concrete shall meet the minimum requirements set forth in the Maryland State Roads Commission Specifications for Materials, Highways, Bridges, and Incidental Structures, Article 20.07 (Portland Cement Mixture) Class A-1 or P-1.
  - The Contractor shall be responsible for ditches in the lake borrow area to provide drainage for fill material.
  - All exposed surfaces of the embankment, & borrow areas shall be stabilized by:
    - Spreading 4\"/>
  - PERMANENT SLOPE SEEDING:** Spreading 4\"/>
  - The Storm Water Management Facilities are Private and shall be maintained by the Owner. The Owner shall be responsible for all constructions according to County standards.



U.S. DEPARTMENT OF AGRICULTURE  
 SOIL CONSERVATION SERVICE  
 College Park, Md.  
**STRAW BALE DIKE**  
 Standard Drawing SBD-1

U.S. DEPARTMENT OF AGRICULTURE  
 SOIL CONSERVATION SERVICE  
 College Park, Md.  
**STABILIZED CONSTRUCTION ENTRANCE**  
 Standard Drawing SCE-1

U.S. DEPARTMENT OF AGRICULTURE  
 SOIL CONSERVATION SERVICE  
 College Park, Md.  
**DIVERSION DIKE**  
 Standard Drawing DD-1

APPROVED  
 DIVISION OF LAND DEVELOPMENT  
 HOWARD COUNTY, MARYLAND  
 DATE: 1-24-80  
**JUM**

**ENGINEER'S CERTIFICATE**  
 I HEREBY CERTIFY THAT THIS PLAN FOR EROSION & 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
**Jacob C. Clark** 8930 12-6-79  
 TERRA CONSULTANTS  
 REG. NO. DATE

**OWNER**  
**B.J.B. DEVELOPMENT COMPANY**  
 12030 GREENFIELD ROAD DETROIT, MICH. 48227  
**DEVELOPER**  
**GLEN ARM CONSTRUCTION & DEVELOPMENT CO.**  
 11109 OLD CARRIAGE RD., GLENARM, MD. 21057  
 601-8245

**DEVELOPER'S CERTIFICATE**  
 I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.  
**J. B. B. Development** 12-7-79  
 TITLE: STORM WATER MANAGEMENT DATE

**EROSION AND SEDIMENT CONTROL PLAN FOR PROPOSED OFFICE & WAREHOUSE**  
 1 BLOCK 10 PARCEL 'C'  
**BALTIMORE - WASHINGTON INDUSTRIAL PARK**  
 HOWARD COUNTY, MARYLAND ELECTION DISTRICT # 6  
 SCALE: AS SHOWN \* SHEET 4 OF 4 \* DECEMBER 6, 1979  
**SDP-80-86** SDP# 82-86