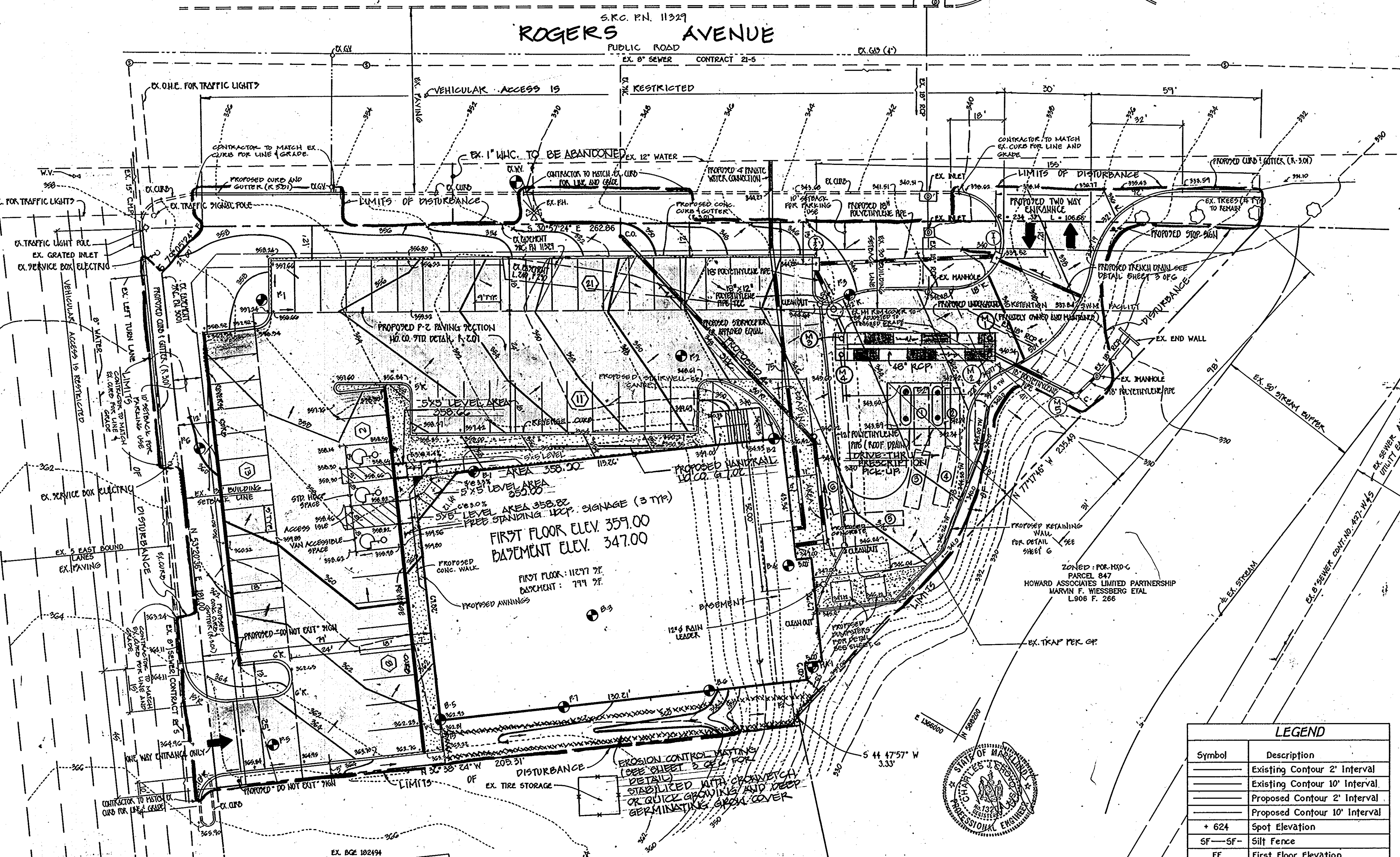


**OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED UNDERGROUND SWM FACILITY**

- A. ROUTINE MAINTENANCE RESPONSIBILITIES:**
- The underground stormwater management facility shall be inspected annually and after major storms. Inspection should be performed during wet weather to determine if the facility is functioning properly.
  - Maintenance of the 48 inch storage pipes shall be performed by flushing the system through the clean-outs provided and vacuuming at Manhole Nos. M-2 & M-3. The discharge orifice of the underground SWM facility shall be temporarily blocked during said maintenance operation.
  - Disposal of material shall be in accordance with similar Best Management Practices that range from disposal in a sanitary landfill to incineration in a licensed facility. Petroleum waste products should be removed by a licensed waste management company.
- B. NON-ROUTINE MAINTENANCE:**
- Structural components of the underground facility such as the stormceptor, manholes, pipes and orifice shall be repaired upon detection of any damage. The components should be inspected during routine maintenance operations. Inspection reports shall be kept until the next subsequent inspection.
  - Problems identified during inspection will be promptly corrected. Major problems shall also be brought to the attention of the Howard County Dept. of Public Works to insure that public safety is maintained.



- NOTE:**
- THE DEPARTMENT OF PLANNING & ZONING HAS REVIEWED THE PARKING NEEDS ANALYSIS SUBMITTED FOR THIS PROJECT ON 1/7/98 AND HAS DETERMINED THE 50 PARKING SPACES TO BE PROVIDED TO SERVE THIS 12,000 SF PROTOTYPE RITE AID STORE TO BE ADEQUATE. (SEE THE UP-98-46 APPROVAL LETTER OF 1/16/98).
  - ALL OUTDOOR LIGHTING SHALL COMPLY WITH HOWARD COUNTY ZONING REGULATIONS SECTION 154.
  - ALL TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
  - EXISTING UTILITIES ARE BASED ON FIELD SURVEY AND CONTRACT DRAWINGS RECEIVED WITH HOWARD COUNTY.
  - WATER METER IS LOCATED INSIDE BUILDING.

**GENERAL NOTES**

- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTION DIVISION AT (410) 313-1800 AT LEAST (5) FIVE WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- BOUNDARY AND TOPOGRAPHY SURVEY PERFORMED BY FISHER, COLLINS & CARTER, INC. ON OR ABOUT JUNE 1997.
- HORIZONTAL AND VERTICAL CONTROL DATUM IS BASED ON HOWARD COUNTY GEODETIC CONTROL STATIONS: HOWARD COUNTY MONUMENT 24C5 N 508642.32 ELEV. = 354.93 HOWARD COUNTY MONUMENT 24C5 E 1366024.30 ELEV. = 400.51 HOWARD COUNTY MONUMENT 10G1 N 509978.95 ELEV. = 400.51 E 1377738.30
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- SITE ANALYSIS DATA:
  - A. TOTAL PROJECT AREA: 1.236 AC ± (50,840 SF)
  - B. AREA OF PLAN SUBMISSION: 1.236 AC ± (50,840 SF)
  - C. LIMIT OF DISTURBED AREA: 1.236 AC ± (50,840 SF)
  - D. PRESENT ZONING: B-1
  - E. PROPOSED USE FOR SITE: COMMERCIAL/RETAIL
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- THERE IS NO FLOODPLAIN ON THIS SITE.
- THERE IS NO WETLANDS ON THIS SITE.
- THERE IS NO TRAFFIC STUDY REQUIRED FOR THIS PROJECT.
- ALL MEASUREMENTS ARE FACE OF CURB TO FACE OF CURB UNLESS NOTED.
- THIS PLAN IS SUBJECT TO UP 98-46 SECTION 16156 AND 16155 PROCEDURES FOR FILING AND PROCESSING A SITE DEVELOPMENT PLAN FOR A MASS GRADING PLAN APPROVED ON JANUARY 16, 1976.
- THIS PLAN IS SUBJECT TO GP-98-75 (EX. CONTOURS ARE BASED ON GP-98-75).
- UTILITY INFORMATION:
  - TELEPHONE: BELL ATLANTIC ATTN: BOY TUCKER 2310 RIVA ROAD ANNAPOLIS, MD. 21401 GAS AND ELECTRIC: B.G.A.E. ATTN: MIKE PARHAM SOUTHERN DISTRIBUTION DEPT. 7317 PARKWAY DRIVE SOUTH HANOVER, MD. 21076
- PARKING ANALYSIS:
  - FIRST FLOOR: 1297.03 SF
  - BASEMENT FLOOR: 799.33 SF
  - TOTAL: 1206.36 SF
  - PARKING SPACES REQUIRED (5 SPACES/1000 SF) = 61
  - PARKING SPACES PROVIDED = 50
  - 95 COMMON PARKING SPACES
  - 3 HANDICAPPED ACCESSIBLE SPACES
  - SEE NOTE ABOVE (NOTE #4)

LEGEND	
Symbol	Description
---	Existing Contour 2' Interval
---	Existing Contour 10' Interval
---	Proposed Contour 2' Interval
---	Proposed Contour 10' Interval
---	Proposed Walkout
---	Earth Dike
-X-X-	Tree Protection
---	Existing Tree Line
L.O.D.	Limit Of Disturbance
(X)	Existing Street Tree

**SHEET INDEX**

SHEET NUMBER	DESCRIPTION
1 OF 6	PLAN VIEW
2 OF 6	NOTES AND DETAILS
3 OF 6	DETAIL SHEET
4 OF 6	LANDSCAPE PLAN
5 OF 6	DRAINAGE AREA MAP (SEDIMENT AND EROSION CONTROL) & EROSION CONTROL PLAN
6 OF 6	NOTES AND DETAILS (SEDIMENT & EROSION CONTROL)

REVISIONS	
DATE	DESCRIPTION
1-12-99	ADDED SEAWALL CANOPY & AWNINGS

ADDRESS CHART	
PARCEL NUMBER	STREET ADDRESS
54	8001 BALTIMORE NATIONAL PIKE

REVISIONS

DATE DESCRIPTION

1-12-99 ADDED SEAWALL CANOPY & AWNINGS

**ENGINEER'S CERTIFICATE**

"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 requirements of the Howard Soil Conservation District."

Signature of Engineer (Print name below signature) *John R. Robertson* Date 8/31/98

**DEVELOPER'S CERTIFICATE**

"I do 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 the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

Signature of Developer (Print name below signature) *David W. Crockett* Date 8-31-98

Reviewed for HOWARD SCD and meets Technical Requirements.

*Cheryl Simms* 9-2-98 Date  
U.S.D.A. Natural Resources Conservation Service

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

*John R. Robertson* 9-2-98 Date  
Howard SCD

**OWNER/DEVELOPER**

RITE AID  
DAVID CROCKETT  
PERRY HALL SQUARE 5/0  
4324 EDENBEKER RD.  
BALTIMORE, MD. 21236

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*David Smith* 9/17/98 Date  
Director, Department of Planning and Zoning

*Cheryl Simms* 9/17/98 Date  
Chief, Division of Land Development

*John Robertson* 9/16/98 Date  
Chief, Development Engineering Division

SUBDIVISION	SECTION/AREA	PARCEL
RITE AID - 8001 BALT. - NATL. PIKE	N/A	54
L.P. BLOCK NO. ZONE TAX/ZONE ELEC. DIST. CENSUS TR.		
2009/697 G B-2 24 2ND 6029		
WATER CODE SEWER CODE		
F-03	1492300	

**SITE DEVELOPMENT PLAN**  
8001 BALTIMORE NATIONAL PIKE  
**RITE AID CORPORATION**

TAX MAP NO: 24 PARCEL: 54  
SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND  
SCALE: AS SHOWN DATE:  
SHEET 1 OF 6

**FISHER, COLLINS & CARTER, INC.**  
ENR. ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE  
ELLSWORTH CITY, MARYLAND 21042  
410-424-2255

STANDARDS AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION

Vegetative stabilization is the process of restoring vegetation on exposed soil. When soil is stabilized with vegetation, the soil is less likely to erode and more likely to infiltrate rainfall thereby reducing sediment loads and runoff to downstream waterways.

DEFINITION: Vegetative stabilization is the process of restoring vegetation on exposed soil. When soil is stabilized with vegetation, the soil is less likely to erode and more likely to infiltrate rainfall thereby reducing sediment loads and runoff to downstream waterways.

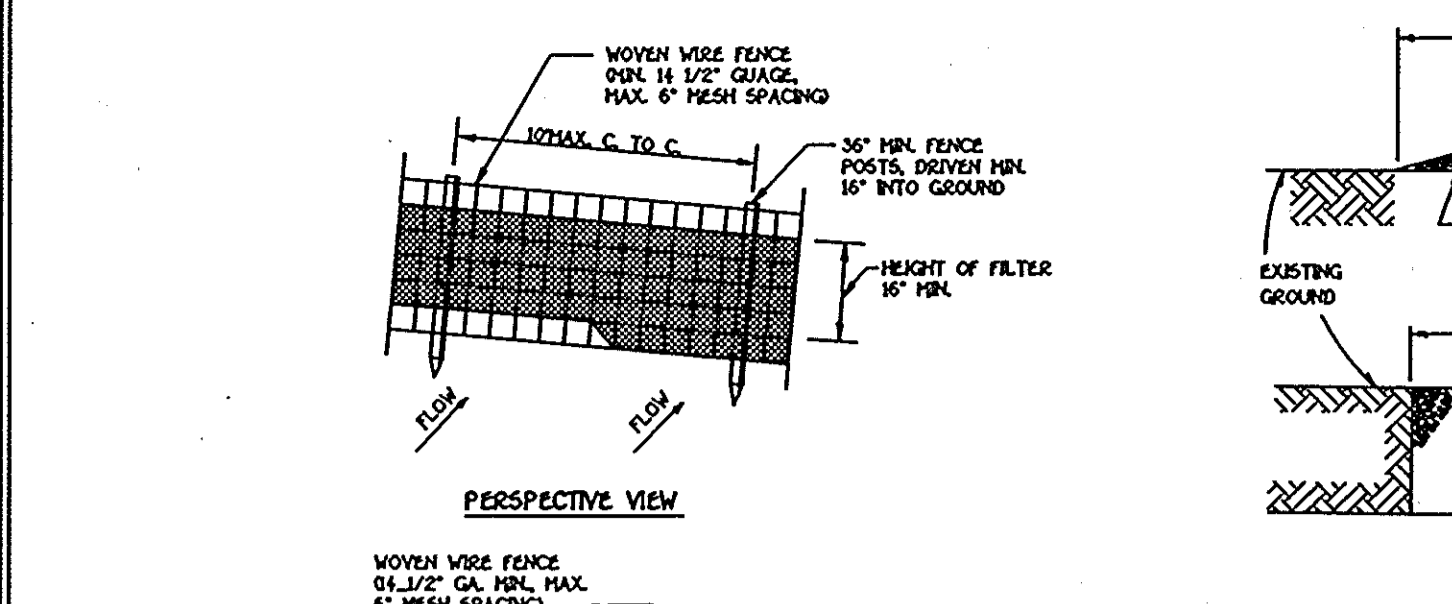
- Vegetative stabilization is the process of restoring vegetation on exposed soil. When soil is stabilized with vegetation, the soil is less likely to erode and more likely to infiltrate rainfall thereby reducing sediment loads and runoff to downstream waterways.

PERMANENT SEEDING NOTES

1. Seeding shall be performed on the day of construction. Seeding shall be performed on the day of construction. Seeding shall be performed on the day of construction.

SEDIMENT CONTROL NOTES

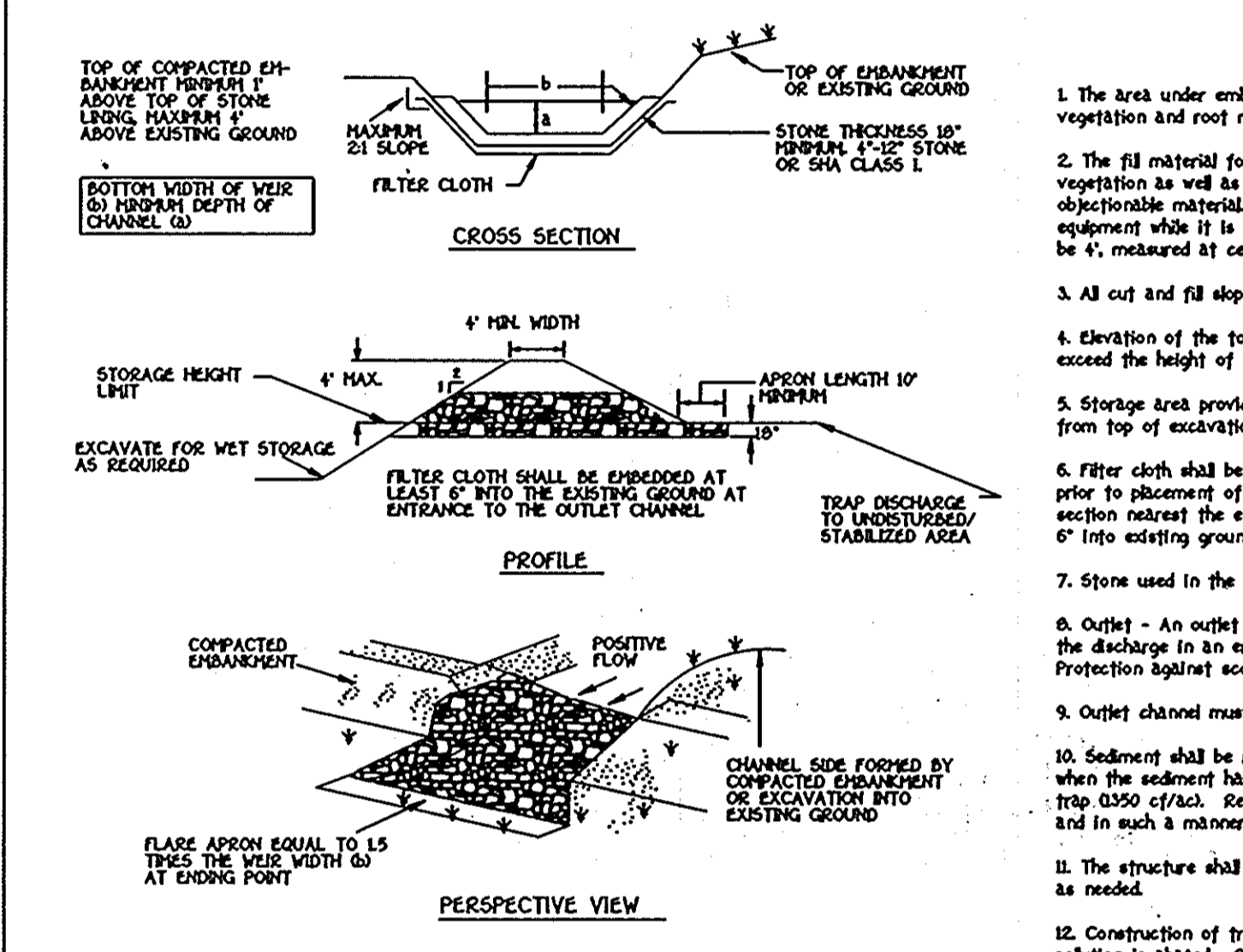
1. Sediment control structures shall be installed prior to the start of any construction. Sediment control structures shall be installed prior to the start of any construction.



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE: 1. VOYEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OF STAPLES.

2. FILTER CLOTH TO BE FASTENED SECURELY TO VOYEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.

SILT FENCE NOT TO SCALE



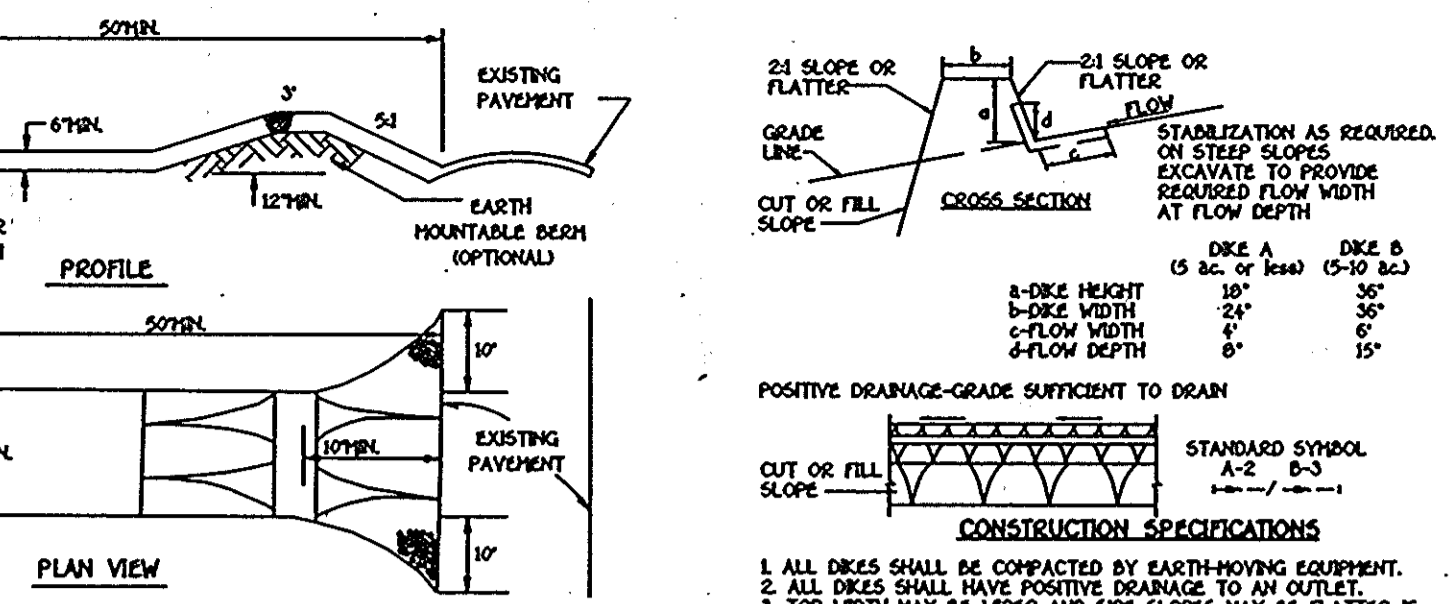
NOTE: MAXIMUM DRAINAGE AREA = 10 AC.

RIP-RAP OUTLET PROTECTION NOT TO SCALE

1. AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE FREE OF VEGETATION.

TEMPORARY SEEDING NOTES

1. OBTAIN GRADING PERMIT. 2. REGRADE AND RESHAPE EXISTING SEDIMENT CONTROL MEASURES PER R.P. 2-5, (2 DAYS).



CONSTRUCTION SPECIFICATIONS: 1. ALL DRES SHALL BE CONTACTED BY EARTHMOVING EQUIPMENT. 2. ALL DRES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.

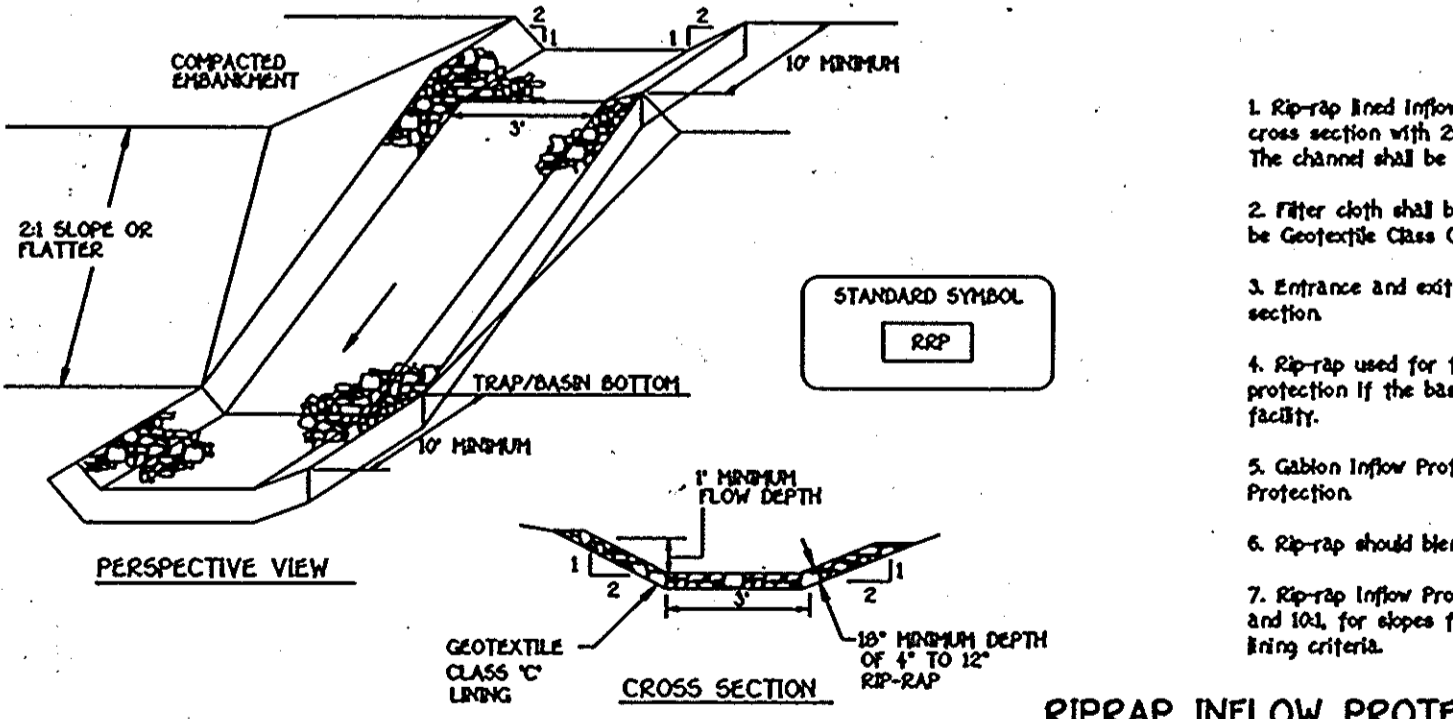
FLOW CHANNEL STABILIZATION

Table with columns: TYPE OF CHANNEL, GRADE, DEKA, DEE B. Rows include 1. 3-5.0% SEED AND STRAW MULCH, 2. 3.5-5.0% SEED AND STRAW MULCH, 3. 5.1-6.0% SEED WITH MULCH OR SOIL, 4. 6.1-20.0% LINED RIP-RAP 4'-8" ENGINEERING DESIGN.

STABILIZED CONSTRUCTION ENTRANCE - 2 NOT TO SCALE

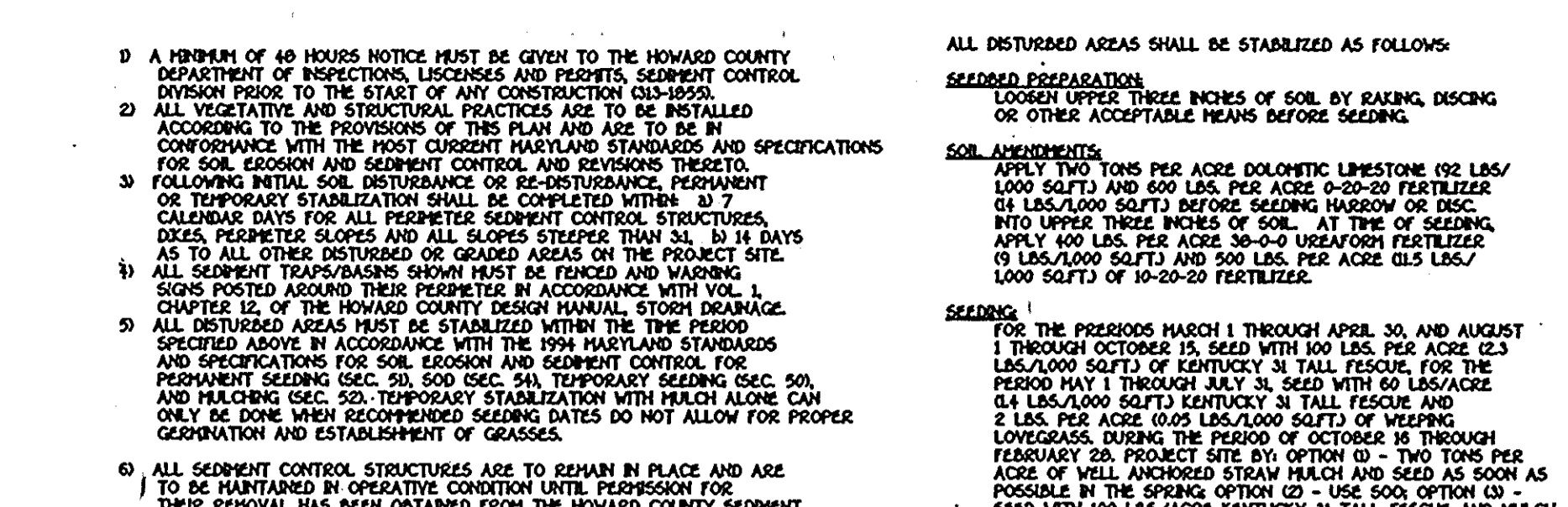
1. THE AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE FREE OF VEGETATION.

RIP-RAP INFLOW PROTECTION NOT TO SCALE



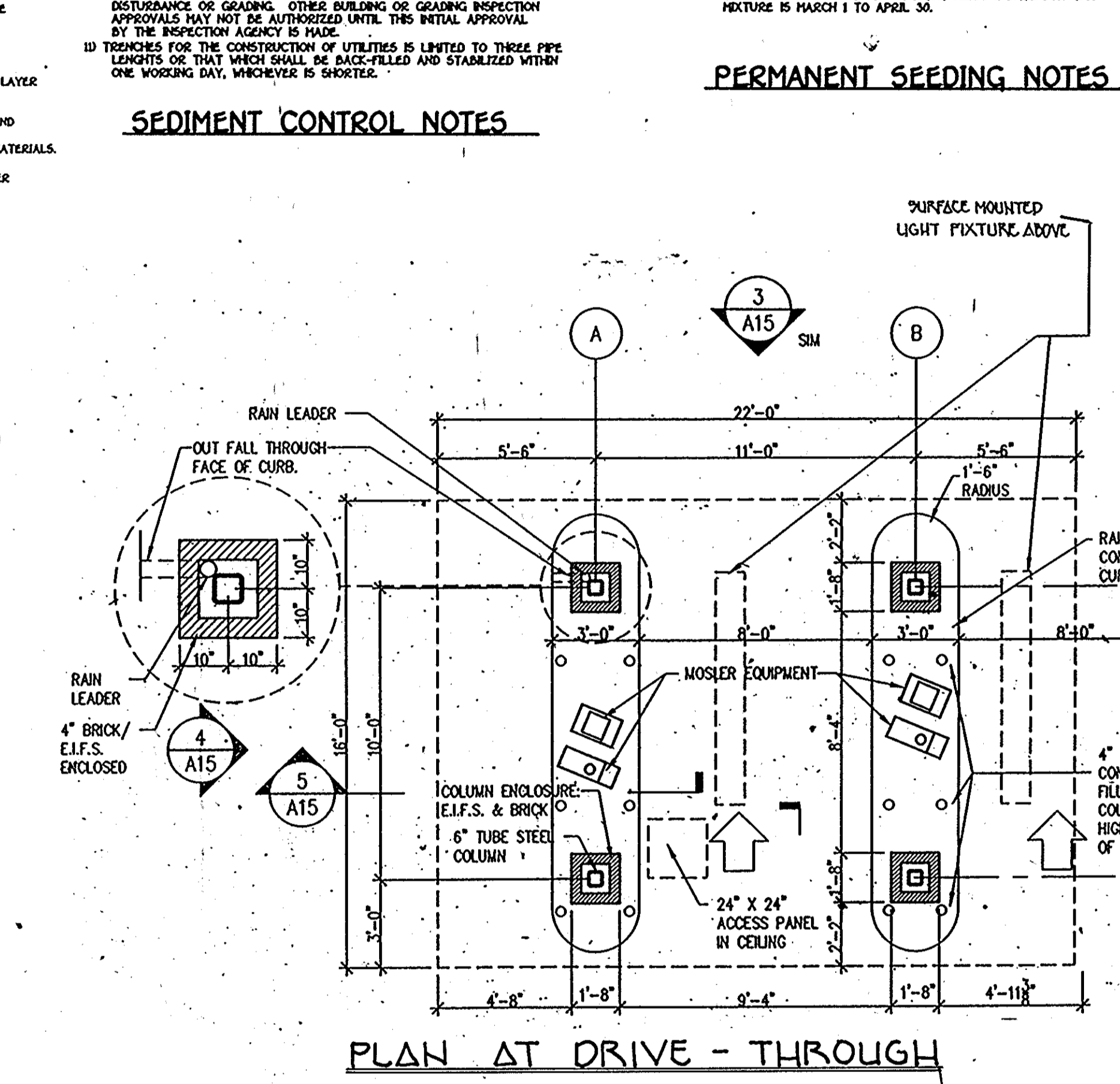
TEMPORARY SEEDING NOTES

1. OBTAIN GRADING PERMIT. 2. REGRADE AND RESHAPE EXISTING SEDIMENT CONTROL MEASURES PER R.P. 2-5, (2 DAYS).



HANDICAPPED PARKING SIGN NOT TO SCALE

PLAN AT DRIVE - THROUGH



TEMPORARY SEEDING NOTES

1. OBTAIN GRADING PERMIT. 2. REGRADE AND RESHAPE EXISTING SEDIMENT CONTROL MEASURES PER R.P. 2-5, (2 DAYS).

DEFINITION: Vegetative stabilization is the process of restoring vegetation on exposed soil. When soil is stabilized with vegetation, the soil is less likely to erode and more likely to infiltrate rainfall thereby reducing sediment loads and runoff to downstream waterways.

VEGETATION SPECIFICATIONS: 1. SEEDING: FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS PER ACRE (2.3 LBS/1,000 SQ FT) OF KENTUCKY 31 TALL FESCUE.

2. MULCHING: APPLY 1 TO 2 TONS PER ACRE (70 TO 140 LBS/1,000 SQ FT) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING.

3. EROSION CONTROL: CONSTRUCT CURB AND GUTTER UP TO SEDIMENT TRAP. (1 DAY) INSTALL BASE COURSE PAVING UP TO SEDIMENT TRAP. (3 DAYS)

4. CONSTRUCTION REMOTE DRIVE THRU FACILITY AND DUMPSTER PADS. (14 DAYS) INSTALL SUB-BASE PAVING AND FINE-GRADE REMAINDER OF SITE.

5. REMOVE SEDIMENT CONTROL MEASURES. AS UPLAND AREAS ARE STABILIZED AND PERMISSION IS GRANTED BY ES INSPECTOR. (2 DAYS) INSTALL TOP COURSE PAVING.

6. CONSTRUCTION REMOTE DRIVE THRU FACILITY AND DUMPSTER PADS. (14 DAYS) INSTALL SUB-BASE PAVING AND FINE-GRADE REMAINDER OF SITE.

7. REMOVE SEDIMENT CONTROL MEASURES. AS UPLAND AREAS ARE STABILIZED AND PERMISSION IS GRANTED BY ES INSPECTOR. (2 DAYS) INSTALL TOP COURSE PAVING.

8. CONSTRUCTION REMOTE DRIVE THRU FACILITY AND DUMPSTER PADS. (14 DAYS) INSTALL SUB-BASE PAVING AND FINE-GRADE REMAINDER OF SITE.

9. REMOVE SEDIMENT CONTROL MEASURES. AS UPLAND AREAS ARE STABILIZED AND PERMISSION IS GRANTED BY ES INSPECTOR. (2 DAYS) INSTALL TOP COURSE PAVING.

APPROVED: DEPARTMENT OF PLANNING AND ZONING. Chief, Division of Land Development. Chief, Development Engineering Division.

FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

ENGINEER'S CERTIFICATE: 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 requirements of the Howard Soil Conservation District.

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Reviewed by HOWARD SCD and meets Technical Requirements. CHIEF, CONSERVATION SERVICE. This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

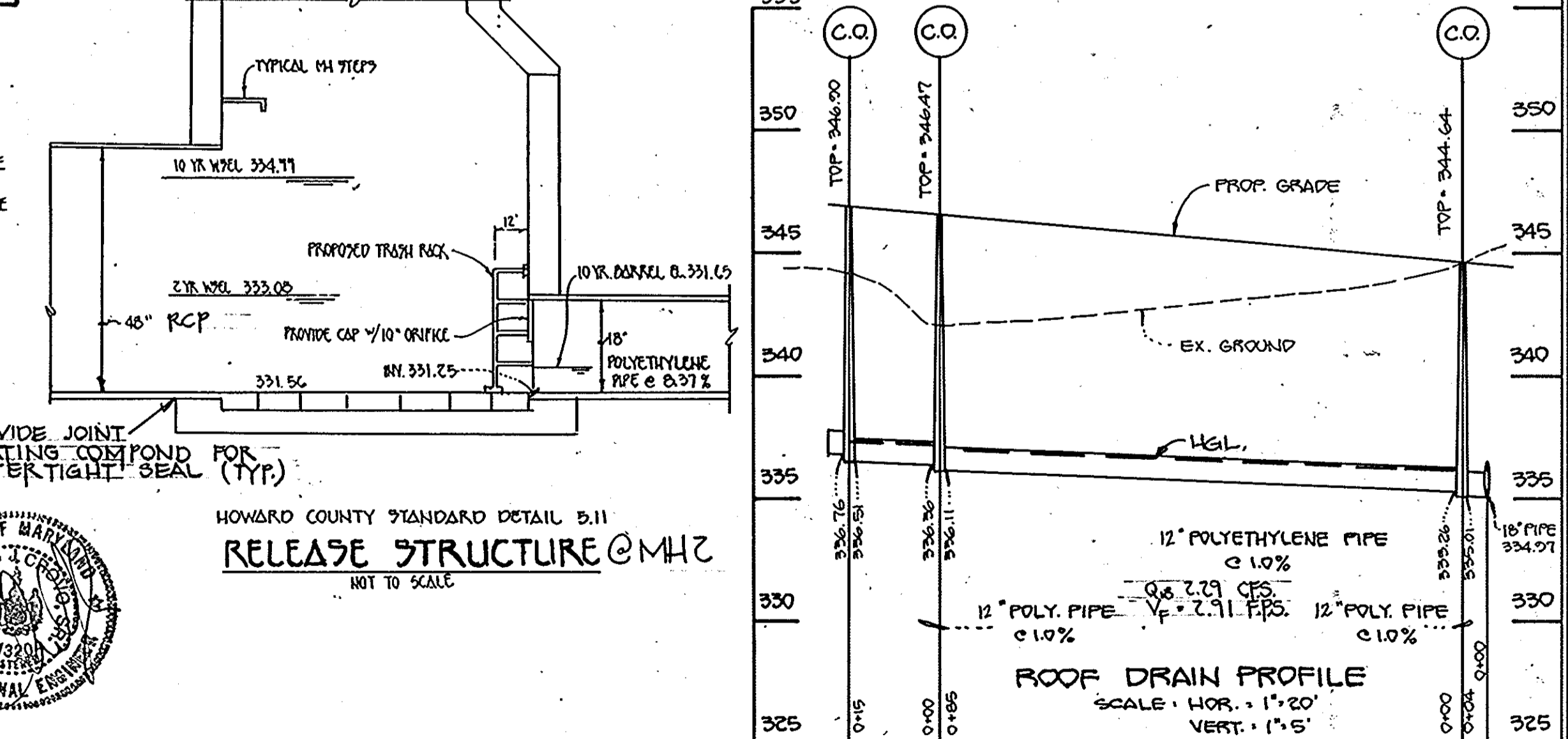
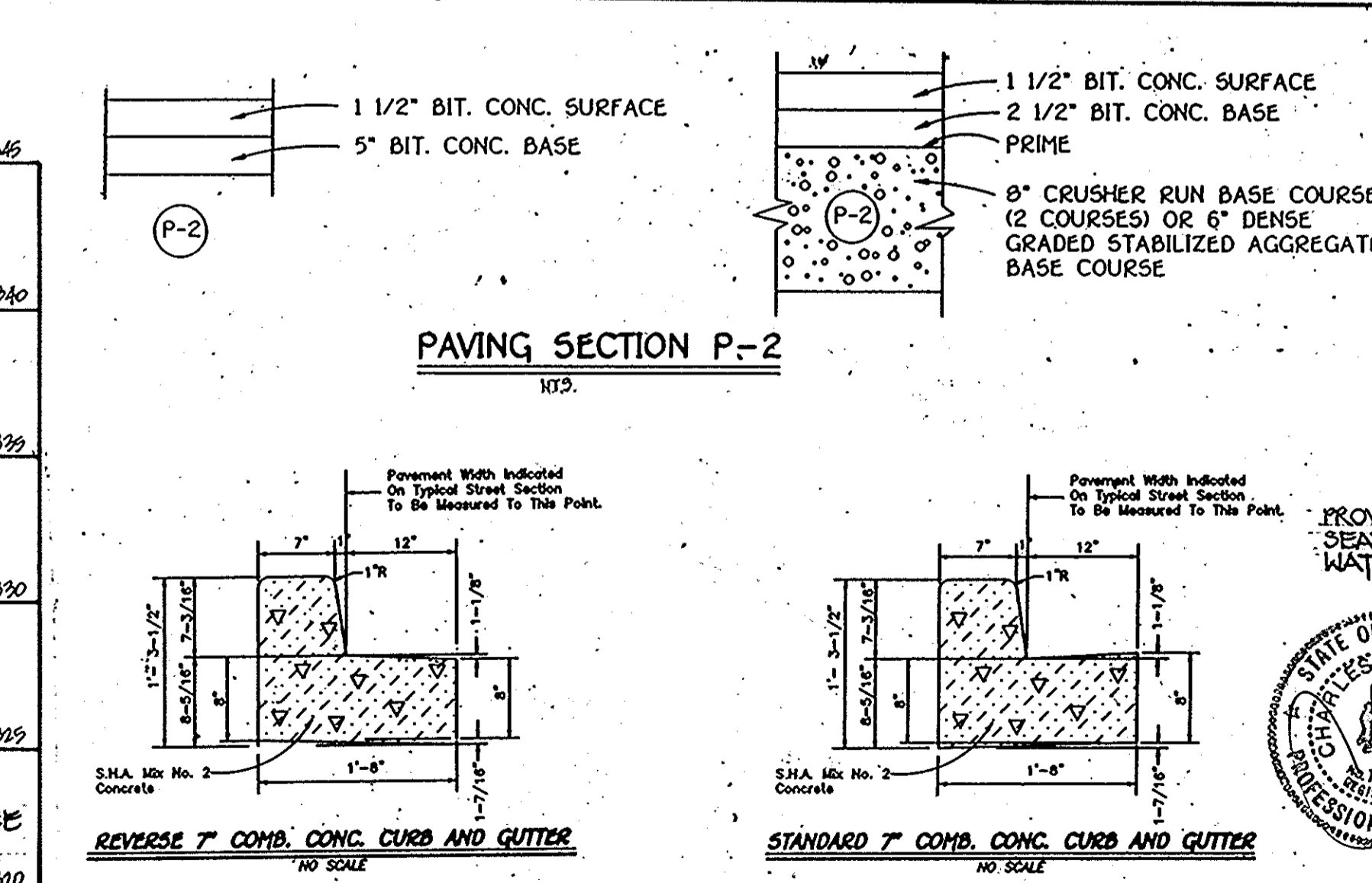
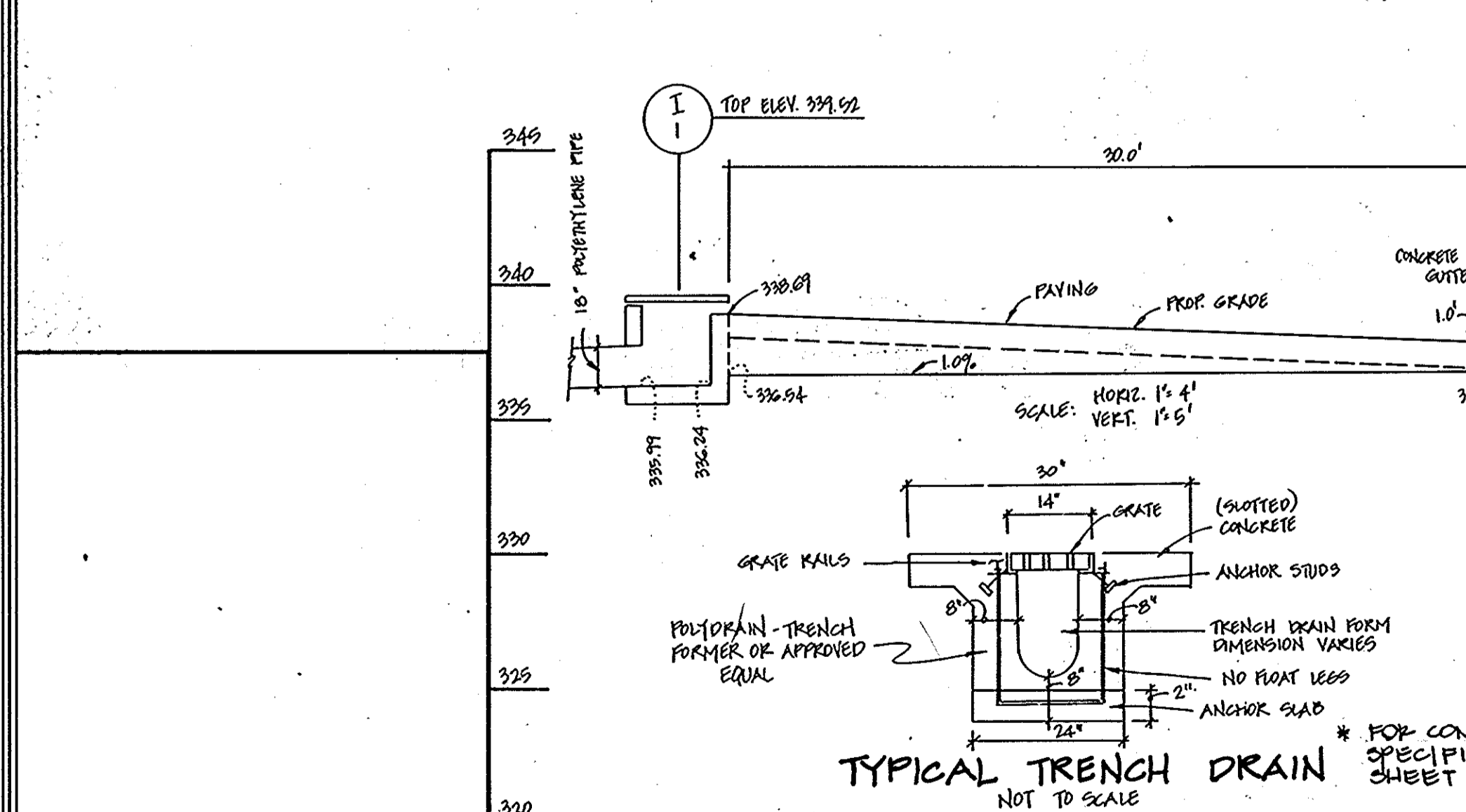
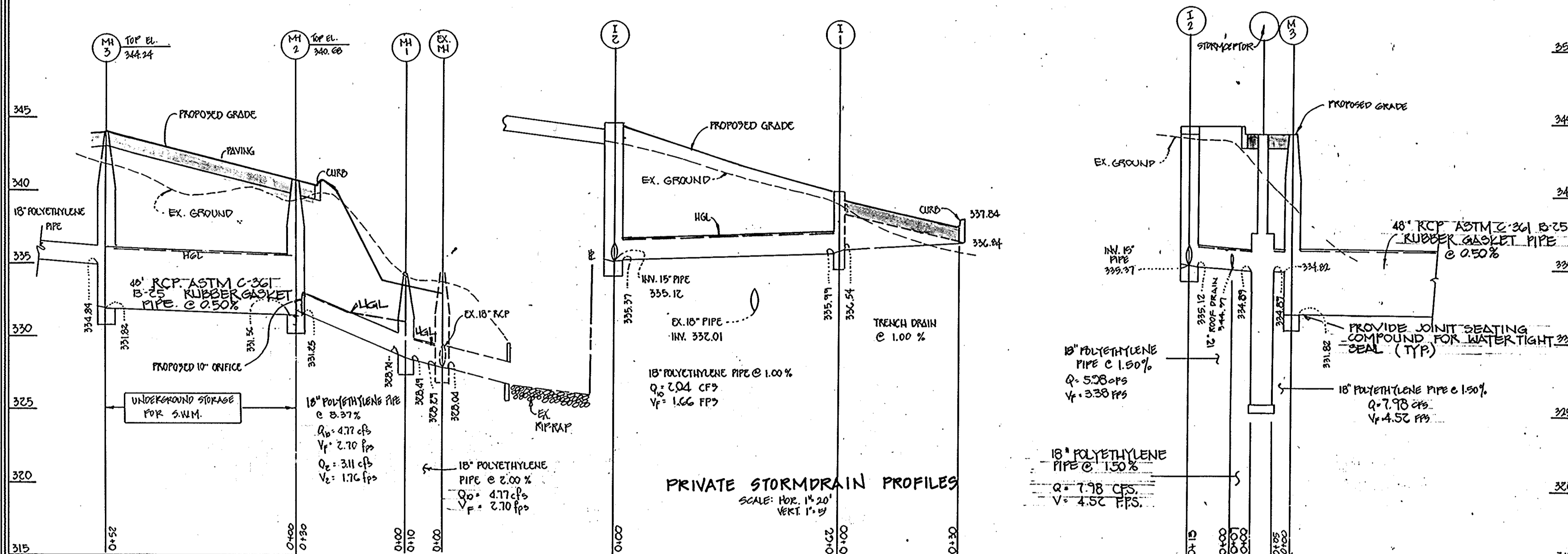
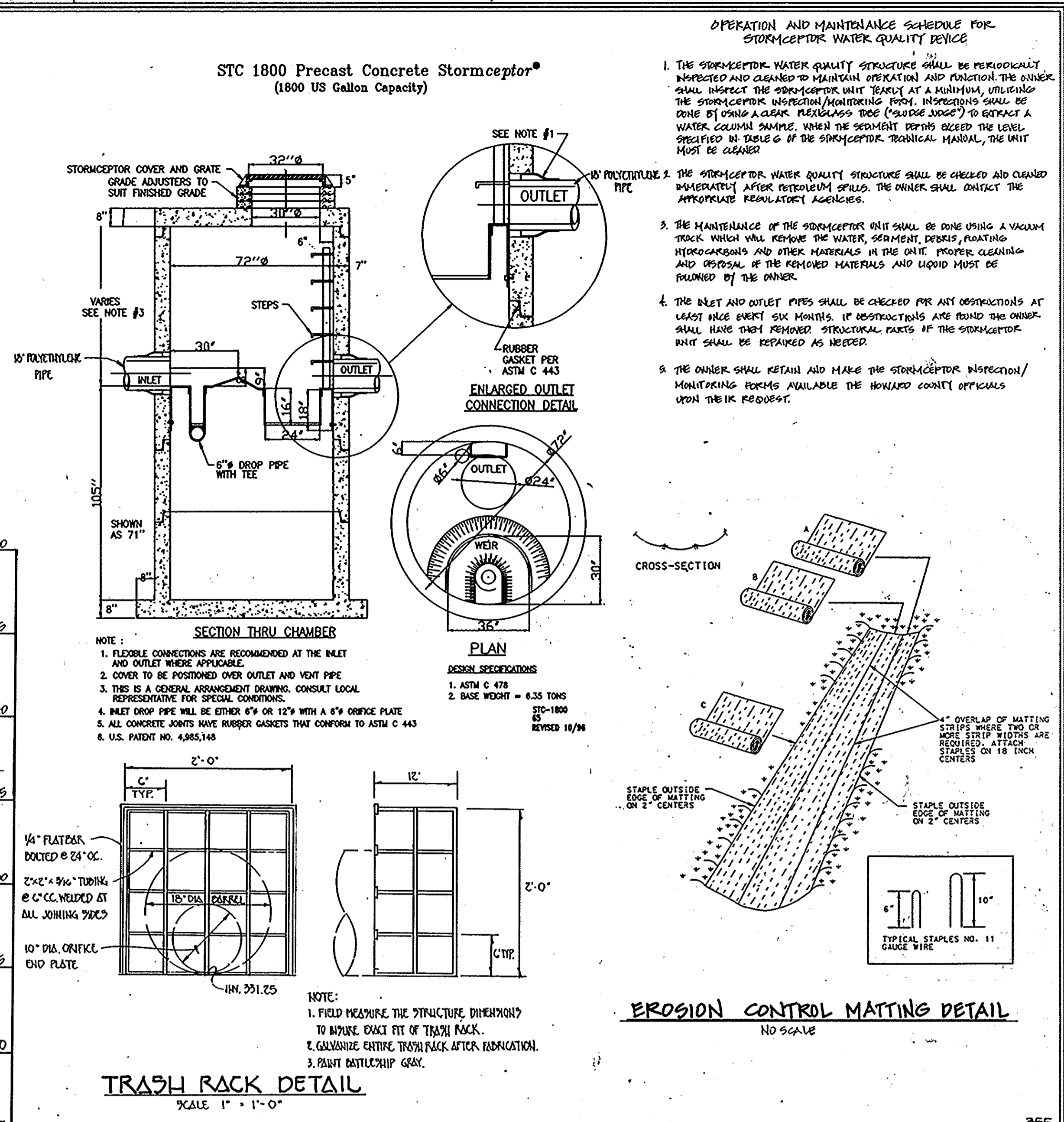
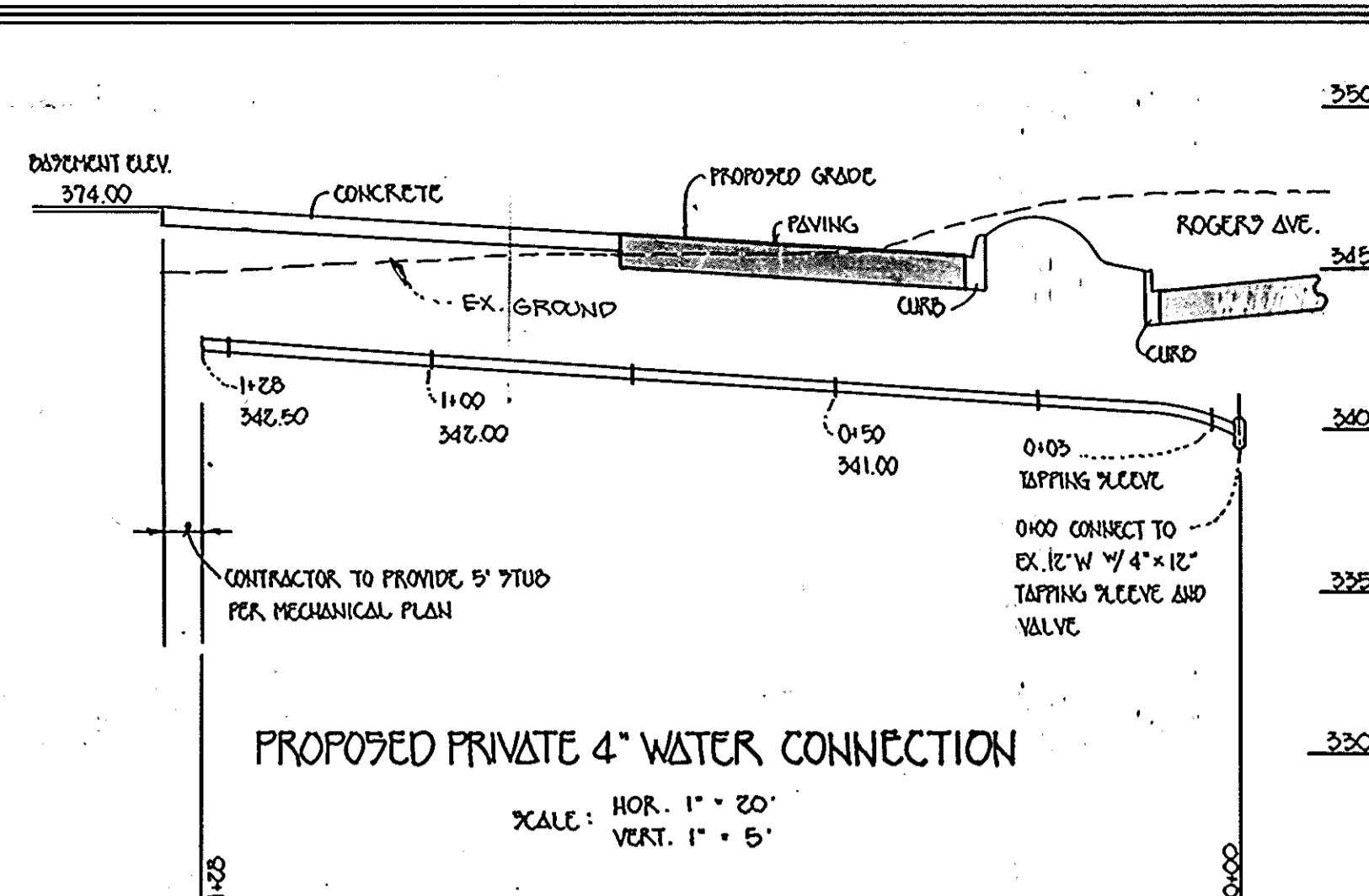
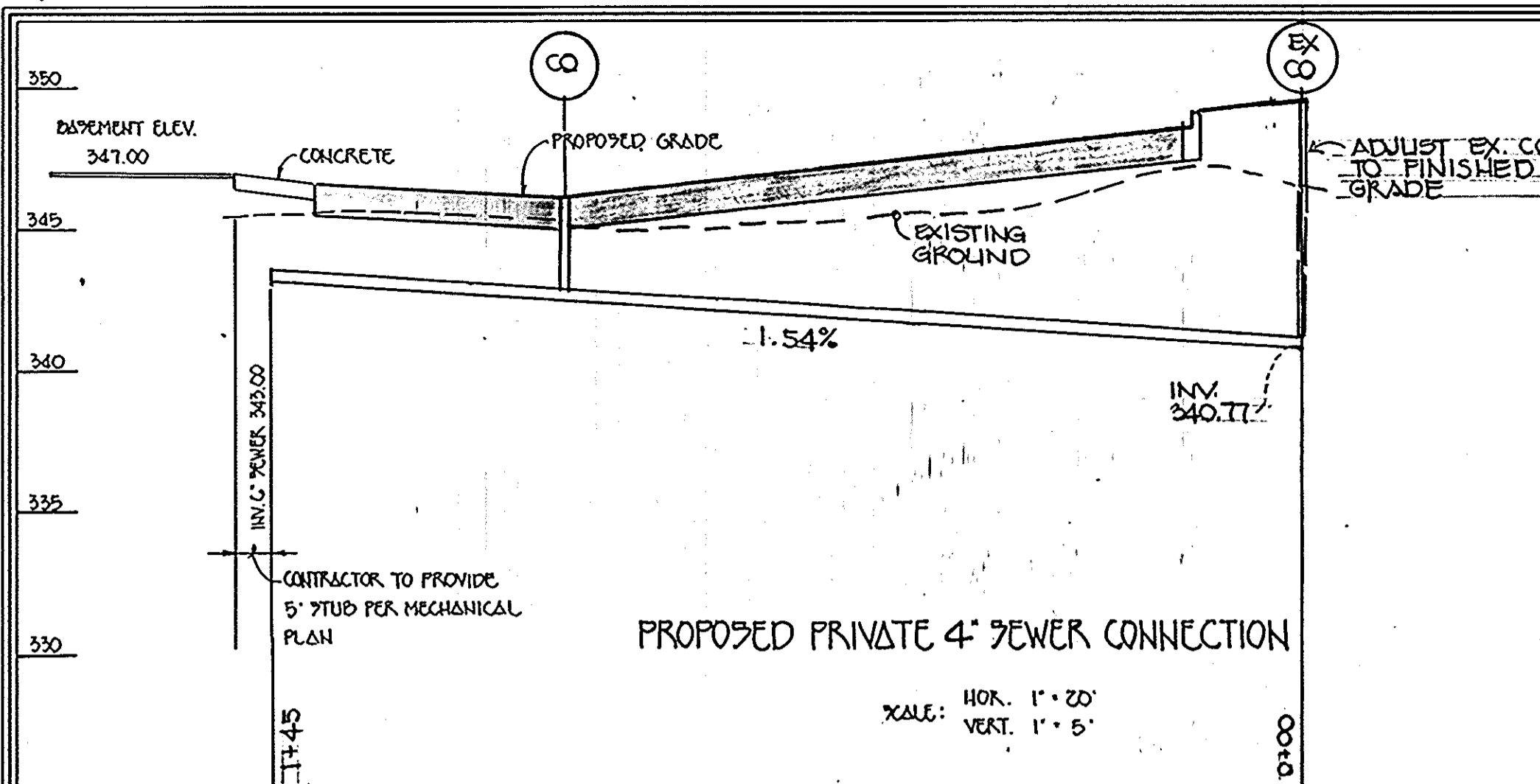
OWNER: RITE AID CORPORATION C/O DAVID CROCKETT PERRY HALL SQUARE 3/C 4339 EBENEZER ROAD BALTIMORE, MD. 21236

APPROVED: DEPARTMENT OF PLANNING AND ZONING. Chief, Division of Land Development. Chief, Development Engineering Division.

DETAIL SHEET 8601 BALTIMORE NATIONAL PIKE RITE AID CORPORATION

Table with columns: SUBDIVISION, LOT NO., SECTION/AREA, TAX/ZONE, ELEC. DIST., CENSUS TR. Values include RITE AID - 8601 BALT. NAT'L PIKE, 54, N/A, 24, 240, 609A.

TAX MAP NO: 24 PARCEL: 54 SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND SCALE: AS SHOWN DATE: SHEET 2 OF 6



STRUCTURE SCHEDULE						
STRUCT #	INV. IN	INV. OUT	TOP ELEV.	HO. CO. DETAIL #		
MH 5	328.74	328.49	334.90	PRECAST MH G.5.12		
MH 2	331.56	331.47	340.80	PRECAST MH G.5.11		
MH 3	334.74	331.74	344.20	PRECAST MH G.5.11		
MH 4	331.82	331.82	344.20	PRECAST MH G.5.11		
I-1	336.24	335.90	340.10	A-5 S.P. 4.01	WIDTH 25"	N 1326194 E 1326191
I-2	335.97	335.15	344.80	A-5 S.P. 4.01	WIDTH 25"	N 1326327 E 1326117 N 1326115 E 1326106
M.I.	331.56	331.56	340.80	PRECAST MH G.5.11		

**ENGINEER'S CERTIFICATE**  
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 requirements of the Howard Soil Conservation District.

*David W. Crockett*  
Signature of Engineer (Print name below signature) Date: 8/31/98

**DEVELOPER'S CERTIFICATE**  
I/We 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 the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District.

*David W. Crockett*  
Signature of Developer (Print name below signature) Date: 8/31/98

Reviewed for HOWARD-SCD and meets Technical Requirements.

*John K. Robinson*  
Signature of Professional Engineer Date: 9-2-98

**OWNER**  
RITE AID  
DAVID CROCKETT  
PERRY HALL SQUARE S/C  
4339 EBENEZER ROAD  
BALTIMORE, MARYLAND 21236

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*David W. Crockett*  
Director - Department of Planning and Zoning Date: 9/17/98

*David W. Crockett*  
Chief, Development Engineering Division Date: 9/16/98

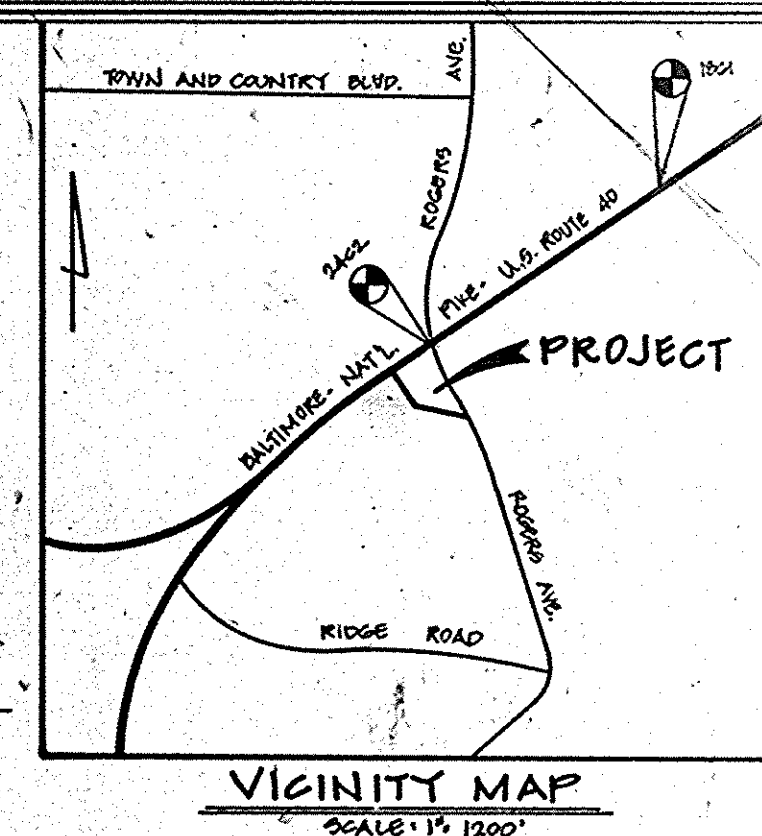
SUBDIVISION	SECTION/AREA	LOT NO.
RITE AID - 0601 BALT.-NAT'L PIKE	N/A	54
L/F	BLOCK NO.	ZONE
2805/637	6	B-2
WATER CODE	SEWER CODE	ELEC. DIST.
F-03	1452200	2ND
		CENSUS TR.
		6029

**DETAIL SHEET**  
0601 BALTIMORE NATIONAL PIKE

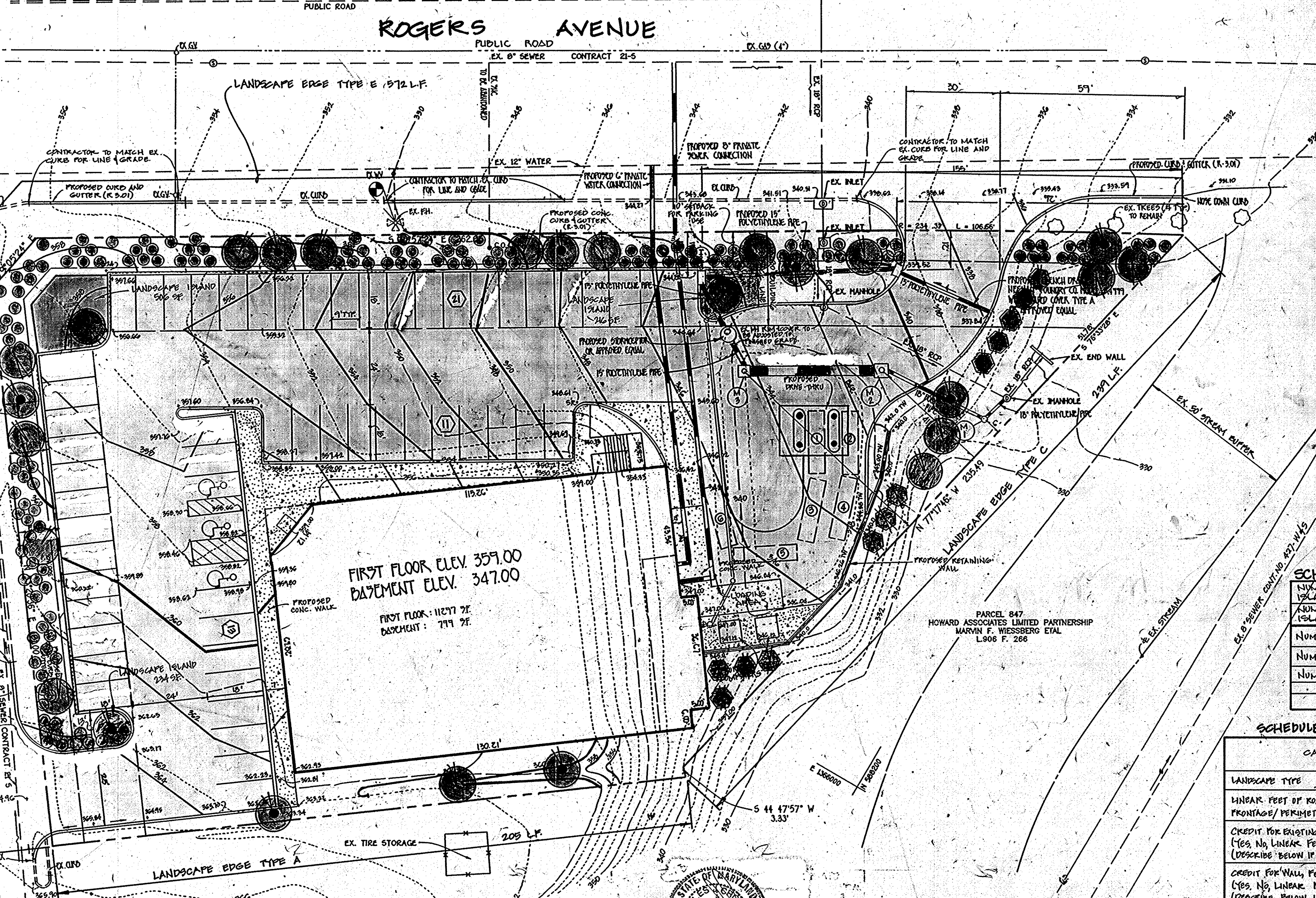
**RITE AID CORPORATION**

TAX MAP No: 24 PARCEL: 54  
SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND  
SCALE: AS SHOWN DATE:  
SHEET 3 OF 6

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 1072 BALTIMORE NATIONAL PIKE  
ELLSWORTH CITY, MARYLAND 21042  
410.461.2000



NOTES: 1. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.  
 2. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE DPW DEVELOPERS AGREEMENT IN THE AMOUNT OF \$5,200.



**SCHEDULE B PARKING LOT INTERNAL LANDSCAPE**

NUMBER OF LANDSCAPE ISLANDS REQUIRED	3
NUMBER OF LANDSCAPE ISLANDS PROVIDED	3
NUMBER OF PARKING SPACES	58
NUMBER OF TREES REQUIRED	120
NUMBER OF TREES PROVIDED	3
SHADE TREES	3
OTHER TREES (2:1 substitution)	

**SCHEDULE A PERIMETER LANDSCAPE EDGE**

CATEGORY	ADJACENT TO ROADWAYS	ADJACENT TO PERIMETER PROPERTIES	A	B	C
LANDSCAPE TYPE	E	A	C		
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	572	209	239		
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	No	No	No		
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	No	No	No		
NUMBER OF PLANTS REQUIRED*					
SHADE TREES	1:40	14	1:60	3	1:40
EVERGREEN TREES	-	-	-	-	1:20
SHRUBS	1:4	143	-	-	12
NUMBER OF PLANTS PROVIDED					
SHADE TREES	-	14	-	3	6
EVERGREEN TREES	-	-	-	-	12
OTHER TREES (2:1 substitution)	-	-	-	-	-
SHRUBS (2:1 substitution)	-	-	-	-	-
OTHER TREES (2:1 substitution)	-	-	-	-	-
(DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)					

**LANDSCAPE SCHEDULE**

NUMBER	SYMBOL	BOTANICAL / COMMON NAME	SIZE
143	●	EUBONTIUS ALATUS COMPACTA / SHARP WINGED SUBTILIUS	2'-2 1/2' HT.
9	●	PRUNUS YEDDENSIENSIS / BUSHINO CHERRY	1 1/2" - 2" CAL.
17	●	ACER SACCARINUM / GREEN MOUNTAIN / GREEN MOUNTAIN SUGAR MAPLE	2 1/2" - 3" CAL.
12	●	CUPRESSUS OXYCARPA LE/PANDA / LE/PANDA CYPRESS	5' - 6' FT.

NOTE: THIS PLAN IS FOR LANDSCAPING ONLY!



FIRST FLOOR ELEV. 359.00  
 BASEMENT ELEV. 347.00  
 FIRST FLOOR: 11271 SF  
 BASEMENT: 777 SF

PARCEL 883  
 FRANKLIN G. BUELL & WIFE  
 C/O KUMHIL AUTOMOTIVE INC.  
 L 501 F. 647

FISHER, COLLINS & CARTER BENCH MARK  
 ROAD SIDE BONNET BOLT ELEV. 352.28  
 ON FIRE HYDRANT

**ENGINEER'S CERTIFICATE**

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 requirements of the Howard Soil Conservation District.

Signature of Engineer (Print name below signature)  
 David W. Crockett  
 Date: 8-31-98

**DEVELOPER'S CERTIFICATE**

I/We 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 the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic onsite inspection by the Howard Soil Conservation District.

Signature of Developer (Print name below signature)  
 David W. Crockett  
 Date: 8-31-98

Approved for HOWARD SCD and meets Technical Requirements.  
 David W. Crockett  
 Director, Conservation Service  
 Date: 9-2-98

John P. Robinson  
 Director, Department of Planning and Zoning  
 Date: 9-2-98

APPROVED DEPARTMENT OF PLANNING AND ZONING  
 David W. Crockett  
 Director, Department of Planning and Zoning  
 Date: 9/2/98

John P. Robinson  
 Director, Department of Planning and Zoning  
 Date: 9/2/98

**OWNER/DEVELOPER**

RITE AID  
 DAVID CROCKETT  
 PERRY HALL SQUARE 2/c  
 499A EBENEZER RD.  
 BALTIMORE, MD 21226

SUBDIVISION	RITE AID - NATL. PLS.	SECTION/AREA	N/A	PARCEL	54
WATER CODE	F-03	ELEC. DIST.	2ND	CENSUS TR.	G024
SEWER CODE	1432200				

LANDSCAPE PLAN  
 8601 BALTIMORE NATIONAL PIKE

RITE AID CORPORATION

TAX MAP NO: 24 PARCEL: 54  
 SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN DATE:  
 SHEET 4 OF 6

**Concrete Stormceptor® Order Request Form\***

**Contractor Information**

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_  
 State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Contact Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_

**Owner Information**

Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_

Stormceptor® Model: \_\_\_\_\_  
 Insert Size: \_\_\_\_\_  
 DISC: \_\_\_\_\_  
 Manhole Number: \_\_\_\_\_  
 Finish Top Elevation (ft): \_\_\_\_\_  
 Top Slab Elevation (ft): \_\_\_\_\_  
 Inlet Pipe Invert (ft): \_\_\_\_\_  
 Outlet Pipe Invert (ft): \_\_\_\_\_  
 Pipe Type: \_\_\_\_\_  
 Pipe Inside Diam. (in) [ID]: \_\_\_\_\_  
 Pipe Outside Diam. (in) [OD]: \_\_\_\_\_

**Project Name**  
 Approximate time frame until required delivery (weeks): \_\_\_\_\_  
 Delivery Address: Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 Designer Company \_\_\_\_\_ Phone \_\_\_\_\_ Fax \_\_\_\_\_  
 Designer Contact \_\_\_\_\_

Please fax this order to Hydro Conduit c/o Camtek (412) 327-9556  
 Attention: Andrew Virostek Phone: (412) 327-3400  
 For Technical Assistance Please Call Stormceptor Corporation at (301) 762-8361 or toll free at 1 (800) 762-4703  
 ALL LIFTING APPARATUS TO BE PROVIDED BY THE INSTALLATION CONTRACTOR

\*TO BE INCLUDED ON DESIGN PLAN BY DESIGNER

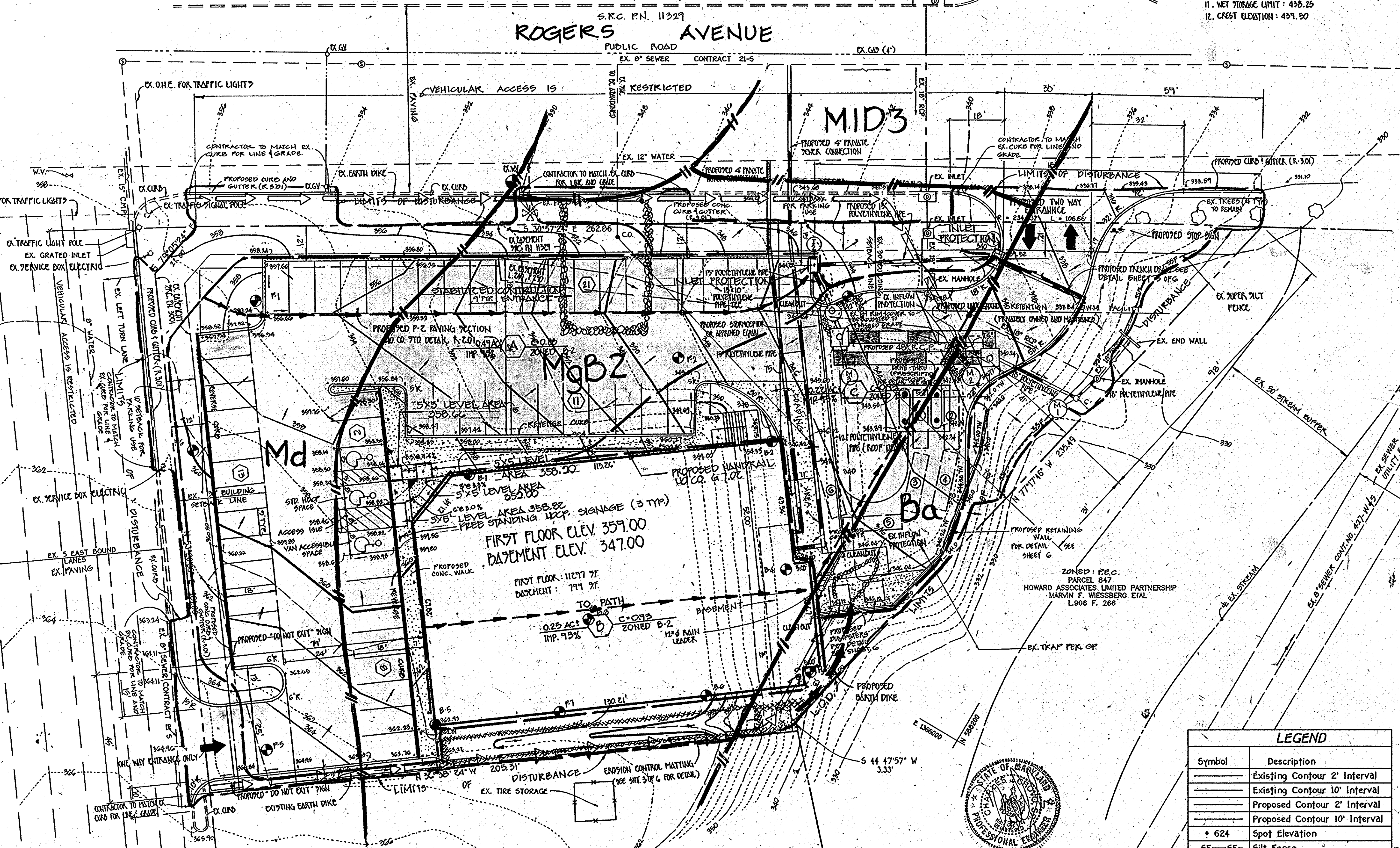
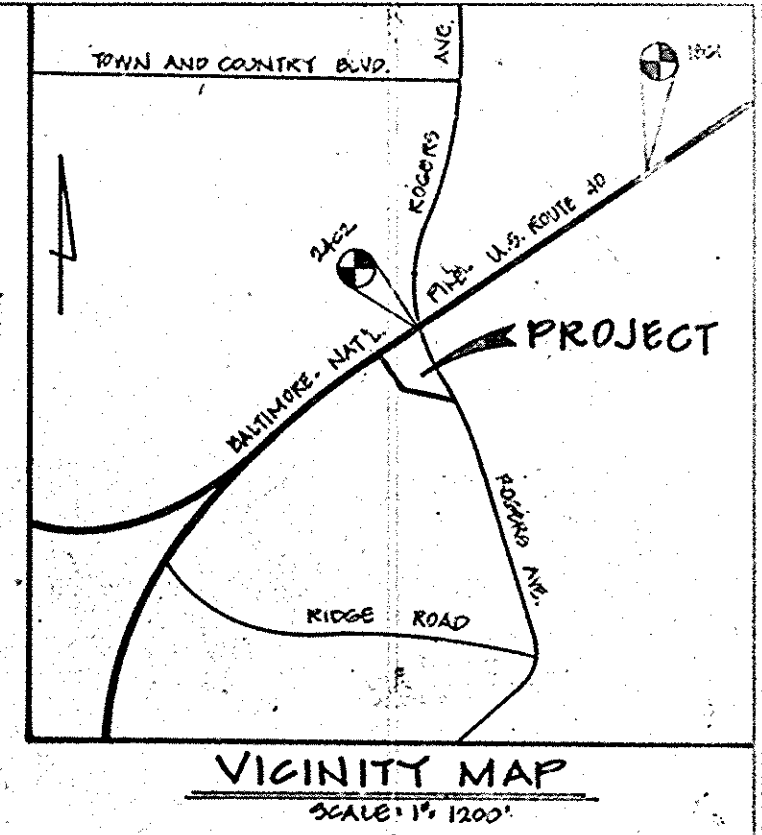
**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTENAL SQUARE OFFICE PARK - 3072 BALTIMORE NATIONAL PIKE  
 ELKTON CITY, MARYLAND 21921  
 410.861.2000

**PRIVATE UNDERGROUND STORMWATER MANAGEMENT FACILITY CONSTRUCTION SPECIFICATIONS**

- I. **SITE PREPARATION:**  
AREAS DESIGNATED FOR BORROW AREAS, EMBANKMENT AND STRUCTURAL WORKS SHALL BE CLEARED, GRUBBED AND STRIPPED OF TOPSOIL. ALL TREES, VEGETATION, ROOTS AND OTHER OBSTRUCTIONABLE MATERIAL SHALL BE REMOVED.  
AREAS TO BE COVERED BY THE POND OR RESERVOIR WILL BE CLEARED OF ALL TREES, BRUSH, LOGS, FENCES, RUBBISH AND OTHER OBSTRUCTIONABLE MATERIAL UNLESS OTHERWISE DESIGNATED ON THE PLANS. TREES, BRUSH AND STRIPS SHALL BE CUT APPROXIMATELY LEVEL WITH THE EROSION SURFACE.  
ALL CLEARED AND GRUBBED MATERIAL SHALL BE DISPOSED OUTSIDE THE LIMITS OF THE POND AS DIRECTED BY THE OWNER OR HIS REPRESENTATIVE.
- II. **EARTH FILL:**  
THE BACKFILL MATERIAL SHALL BE TAKEN FROM APPROVED DESIGNATED BORROW AREA OR AREAS. IT SHALL BE FREE OF ROOTS, STUMPS, WOOD, RUBBISH, OVERSIZED STONES, PROTEN OR OTHER OBSTRUCTIONABLE MATERIALS.
- III. **STRUCTURAL BACKFILL:**  
BACKFILL MATERIAL SHALL BE OF THE TYPE AND QUALITY CONFORMING TO THAT SPECIFIED FOR THE ADDING FILL MATERIAL. THE FILL SHALL BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED FOUR INCHES IN THICKNESS AND COMPACTED BY HAND TAMPERS OR OTHER COMPACTION EQUIPMENT. THE MATERIAL NEEDS TO FILL COMPLETELY ALL SPACES UNDER AND ADJACENT TO THE PIPE. CONTROL THE MOVEMENT OF THE HAULING EQUIPMENT OVER THE FILL SO THAT THE ENTIRE SURFACE OF EACH LIFT IS EQUIVALENT TO 90% OF ASTM SPECIFICATION 99 OR EQUIVALENT ASTM SPECIFICATION. FILL MATERIAL MUST CONTAIN ENOUGH MOISTURE TO YIELD THE REQUIRED DEGREE OF COMPACTION WITH THE EQUIPMENT USED. IF NO TEST DURING THE BACKFILL OPERATION SHALL CRUSH EQUIPMENT BE ALLOWED TO OPERATE CLOSER THAN FOUR FEET HORIZONTALLY TO ANY PART OF A STRUCTURE. UNDER NO CIRCUMSTANCES SHALL EQUIPMENT BE DRIVEN OVER ANY PART OF A CONCRETE STRUCTURE UNLESS THERE IS A COMPACTED FILL OF TWO FEET OR MORE OVER THE STRUCTURE OR PIPE SYSTEM.
- IV. **PIPE CONDUITS:**  
ALL PIPES SHALL BE CIRCULAR IN CROSS SECTION.  
A. **REINFORCED CONCRETE PIPE - ALL OF THE FOLLOWING CRITERIA SHALL APPLY FOR REINFORCED CONCRETE PIPE:**  
1. MATERIALS - REINFORCED CONCRETE PIPE SHALL HAVE BELL AND SPIGOT JOINTS WITH RUBBER GASKETS AND SHALL EQUAL OR EXCEED ASTM DESIGNATION C-31.  
2. BEDDING - ALL REINFORCED CONCRETE PIPE CONDUITS SHALL BE LAID IN A CLASS B BEDDING SUBGRADE CONDITION.  
3. LAYING PIPE - BELL AND SPIGOT PIPE SHALL BE PLACED WITH THE BELL END UPSTREAM. JOINTS SHALL BE MADE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER OF THE MATERIAL. AFTER THE JOINTS ARE SEALED FOR THE ENTIRE LINE, THE JOINTS SHALL BE PLACED SO THAT ALL SPACES UNDER THE PIPE ARE FILLED. CARE SHALL BE EXERCISED TO PREVENT ANY DEVIATION FROM THE ORIGINAL JOB AND GRADE OF THE PIPE. THE FIRST JOINT MUST BE LOCATED WITHIN 3 FEET FROM THE RELEASE STRUCTURE.  
4. BACKFILLING SHALL CONFORM TO "STRUCTURAL BACKFILL".  
5. OTHER DETAILS SHALL BE SHOWN ON THE DRAWINGS.  
B. **OTHER PIPE:** - BELL AND SPIGOT PIPE SHALL BE PLACED WITH THE BELL END UPSTREAM. JOINTS SHALL BE MADE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER OF THE MATERIAL. AFTER THE JOINTS ARE SEALED FOR THE ENTIRE LINE, THE JOINTS SHALL BE PLACED SO THAT ALL SPACES UNDER THE PIPE ARE FILLED. CARE SHALL BE EXERCISED TO PREVENT ANY DEVIATION FROM THE ORIGINAL JOB AND GRADE OF THE PIPE. THE FIRST JOINT MUST BE LOCATED WITHIN 3 FEET FROM THE RELEASE STRUCTURE.  
4. BACKFILLING SHALL CONFORM TO "STRUCTURAL BACKFILL".  
5. OTHER DETAILS SHALL BE SHOWN ON THE DRAWINGS.
- V. **CONCRETE:**  
CONCRETE MUST MEET MINIMUM REQUIREMENTS SET FORTH IN THE MARYLAND STATE HIGHWAY ADMIN. STD. SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS SECTION 918 PORTLAND CEMENT CONCRETE MIXTURES MIX 14. REINFORCING STEEL MUST BE ASTM A618 GRADE 60 STEEL ANGLES AND ANCHOR BARS MUST BE ASTM A16.
- VI. **STABILIZATION:**  
ALL BORROW AREAS SHALL BE GRADED TO PROVIDE PROPER DRAINAGE AND LEFT IN A SIGHTLY CONDITION. ALL EXPOSED SURFACES OF THE SOIL AND BORROW AREAS SHALL BE STABILIZED BY SEEDING, LIMING, FERTILIZING AND MULCHING OR REQUIRED IN ACCORDANCE WITH THE VEGETATIVE TREATMENT SPECIFICATION AS SHOWN ON THESE PLANS.
- VII. **EROSION AND SEDIMENT CONTROL:**  
CONSTRUCTION OPERATIONS WILL BE CARRIED OUT IN SUCH A MANNER THAT EROSION WILL BE CONTROLLED AND WATER AND AIR POLLUTION MINIMIZED. STATE AND LOCAL LAWS CONCERNING POLLUTION ABATEMENT WILL BE FOLLOWED. CONSTRUCTION PLANS SHALL DETAIL EROSION AND SEDIMENT CONTROL MEASURES TO BE EMPLOYED DURING THE CONSTRUCTION PROCESS. ALL DEBRIS TO BE KEPT OUT OF THE UNDERGROUND FACILITY DURING AND AFTER CONSTRUCTION.
- VIII. **LANDING:**  
SEE SEQUENCE OF CONSTRUCTION OPERATIONS ON THESE PLANS.
- IX. **CONTAMINATION:**  
CARE SHALL BE EXERCISED TO PREVENT NATURAL OR FILL SOILS FROM DETERIORATING WITH THE STONE AGGREGATE. ALL CONTAMINATED STONE AGGREGATE SHALL BE REMOVED AND REPLACED WITH UNCONTAMINATED STONE AGGREGATE.
- X. **TRENCH PREPARATION:**  
EXCAVATE THE TRENCH TO THE DESIGN DIMENSIONS. EXCAVATED MATERIALS SHALL BE PLACED AWAY FROM THE TRENCH SIDES TO ENHANCE TRENCH WALL STABILITY. LARGE TREE ROOTS MUST BE TRIMMED FLUSH WITH THE TRENCH SIDES. ROUGHEN OR OTHER OBSTACLES SHALL BE REMOVED FROM THE TRENCH WALLS AND NATURAL SOILS SHALL BE PLACED IN THESE HOLES AT THE MOST CONVENIENT TIME DURING CONSTRUCTION TO ENSURE FABRIC CONFORMITY TO THE EXCAVATION SIDES.

SOILS CHART	
SYMBOL	DESCRIPTION
Ba	ALDINO SILT LOAM, 3 TO 8% CL, 3 TO 8% MO, MODERATELY ERODED
Md	MADE LAND
MqB2	MAJOR GRAVELLY LOAM, 3 TO 8% MO, MODERATELY ERODED
MID3	MAJOR LOAM, 15 TO 25% MO, SEVERELY ERODED

- EX. TRAP DATA - GP 98-75**
1. TRAP #1
  2. TRAP TYPE: RIP-RAP OUTLET SEDIMENT TRAP ST III
  3. DRAINAGE AREA: 1.00 AC.
  4. STORAGE REQUIRED: 4320 CY
  5. STORAGE PROVIDED: 6214 CY.
  6. WEIR LENGTH: 5.0
  7. STORAGE DEPTH BELOW OUTLET: 2.5'
  8. CLEANOUT ELEVATION: 438.25
  9. TYPICAL DETENTION: C19-19
  10. TRAP BOTTOM: 437.00
  11. NET STORAGE UNIT: 438.15
  12. CREST ELEVATION: 437.50



- NOTE:**
1. THE DEPARTMENT OF PLANNING & ZONING HAS REVIEWED THE PARKING NEEDS ANALYSIS SUBMITTED FOR THIS PROJECT ON 1/7/98 AND HAS DETERMINED THE 58 PARKING SPACES TO BE PROVIDED TO SERVE THIS 12,100 SF PROTOTYPE RITE AID STORE TO BE ADEQUATE. (SEE THE W/P-98-46 APPROVAL LETTER OF 1/16/98).
  2. ALL OUTDOOR LIGHTING SHALL COMPLY WITH HOWARD COUNTY ZONING REGULATIONS SECTION 194.
  3. ALL TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNAGE SHALL BE IN ACCORDANCE WITH MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
  4. EXISTING UTILITIES ARE BASED ON FIELD SURVEY AND CONTRACT DRAWINGS RECEIVED WITH HOWARD COUNTY.
  5. WATER METER IS LOCATED INSIDE BUILDING.

**GENERAL NOTES**

1. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTION DIVISION AT (410) 318-2800 AT LEAST 10 BUSINESS DAYS PRIOR TO THE START OF WORK.
2. THE CONTRACTOR SHALL NOTIFY THIS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
3. BOUNDARY AND TOPOGRAPHY SURVEY PERFORMED BY FISHER, COLLINS & CARTER, INC. ON 08/08/97 ABOUT JUNE 1977.
4. HORIZONTAL AND VERTICAL CONTROL DATUM IS BASED ON HOWARD COUNTY GEODETIC CONTROL STATIONS:  
HOWARD COUNTY MONUMENT 24CS E 1366024.30 ELEV. = 354.93  
HOWARD COUNTY MONUMENT 18G1 N 5899778.95 ELEV. = 400.51  
HOWARD COUNTY MONUMENT 18G2 E 1367738.30
5. ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
6. **SITE ANALYSIS DATA:**  
A. TOTAL PROJECT AREA: 1.236 AC. ± (53,240 SF)  
B. AREA OF PLAN SUBMISSION: 1.236 AC. ± (53,240 SF)  
C. LIMIT OF DISTURBED AREA: 1.236 AC. ± (53,240 SF)  
D. PRESENT ZONING: D-1  
E. PROPOSED USE FOR SITE: COMMERCIAL/RETAIL
7. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
8. THERE IS NO FLOODPLAIN ON THIS SITE.
9. THERE ARE NO WETLANDS ON THIS SITE.
10. THERE IS NO TRAFFIC STUDY REQUIRED FOR THIS PROJECT.
11. ALL MEASUREMENTS ARE FACE OF CURB TO FACE OF CURB UNLESS NOTED.
12. THIS PLAN IS SUBJECT TO W/P 98-46 SECTION 16.156 AND 16.155 PROCEDURES FOR FILING AND PROCESSING A SITE DEVELOPMENT PLAN FOR A MASS GRADING PLAN APPROVED ON JANUARY 16, 1978.
13. THIS PLAN IS SUBJECT TO GP 98-75 (EX. CONTOURS ARE BASED ON GP-18-75).
14. **UTILITY INFORMATION:**  
TELEPHONE: BELL ATLANTIC  
ATTN: ROY TUCKER  
2510 BETH ROAD  
ANNAPOLIS, MD. 21401  
GAS AND ELECTRIC: B.G.E.  
ATTN: MIKE PARHAM  
SOUTHERN DISTRIBUTION DEPT.  
7317 PARKWAY DRIVE SOUTH  
HANOVER, PA 21076
15. **PARKING ANALYSIS:**  
FIRST FLOOR: 11297.00 SF  
BASEMENT FLOOR: 799.33 SF  
TOTAL: 12096.33 SF  
PARKING SPACES REQUIRED IS SPACES/1000 SF = 61  
PARKING SPACES PROVIDED = 58  
35 COMMON PARKING SPACES  
3 HANDICAPPED ACCESSIBLE SPACES  
- SEE NOTE ABOVE.

LEGEND	
Symbol	Description
---	Existing Contour 2' Interval
---	Existing Contour 10' Interval
---	Proposed Contour 2' Interval
---	Proposed Contour 10' Interval
+ 624	Spot Elevation
SF-SF	Silt Fence
FF	First Floor Elevation
BE	Basement Elevation
⊙	Proposed Walkout
-X-X-	Earth Dike
⊕	Tree Protection
---	Existing Tree Line
L.O.D.	Limit of Disturbance
⊗	Existing Street Tree

SHEET INDEX	
SHEET NUMBER	DESCRIPTION
1 OF 6	PLAN VIEW
2 OF 6	NOTES AND DETAILS
3 OF 6	DETAIL SHEET
4 OF 6	LANDSCAPE PLAN
5 OF 6	DRAINAGE AREA MAP, SEDIMENT AND EROSION CONTROL, SLOPE PLAN
6 OF 6	NOTES AND DETAILS, SEDIMENT & EROSION CONTROL

ADDRESS CHART	
PARCEL NUMBER	STREET ADDRESS
54	8601 BALTIMORE NATIONAL PIKE

**ENGINEER'S CERTIFICATE**  
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 requirements of the Howard Soil Conservation District.

*Charles Simmona*  
Date: 9-2-98

*John R. Robinson*  
Date: 9-2-98

**DEVELOPER'S CERTIFICATE**  
I/We 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 the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District.

*David W. Crockett*  
Date: 8-31-98

APPROVED DEPARTMENT OF PLANNING AND ZONING

*Charles Simmona*  
Date: 9/2/98

*John R. Robinson*  
Date: 9/2/98

**OWNER/DEVELOPER**  
RITE AID  
DAVID CROCKETT  
PERRY HALL SQUARE #10  
4939 EDENBERG RD.  
BALTIMORE, MD. 21236

SUBDIVISION	SECTION/AREA	PARCEL
RITE AID - BALT. NATL. PKE	N/A	54
L.P.F.	BLOCK NO.	ZONE
2809/697	6	B-2
TAX/ZONE	ELEC. DIST.	CENSUS TR.
24	2ND	6031
WATER CODE	SEWER CODE	
F-03	1492200	

**SOILS MAP, DRAINAGE AREA MAP & SEDIMENT/EROSION CONTROL PLAN**

**7ITE DEVELOPMENT PLAN**  
8601 BALTIMORE NATIONAL PIKE  
**RITE AID CORPORATION**

TAX MAP No: 24 PARCEL: 54  
SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND  
SCALE: AS SHOWN DATE:  
SHEET: 5 OF 6

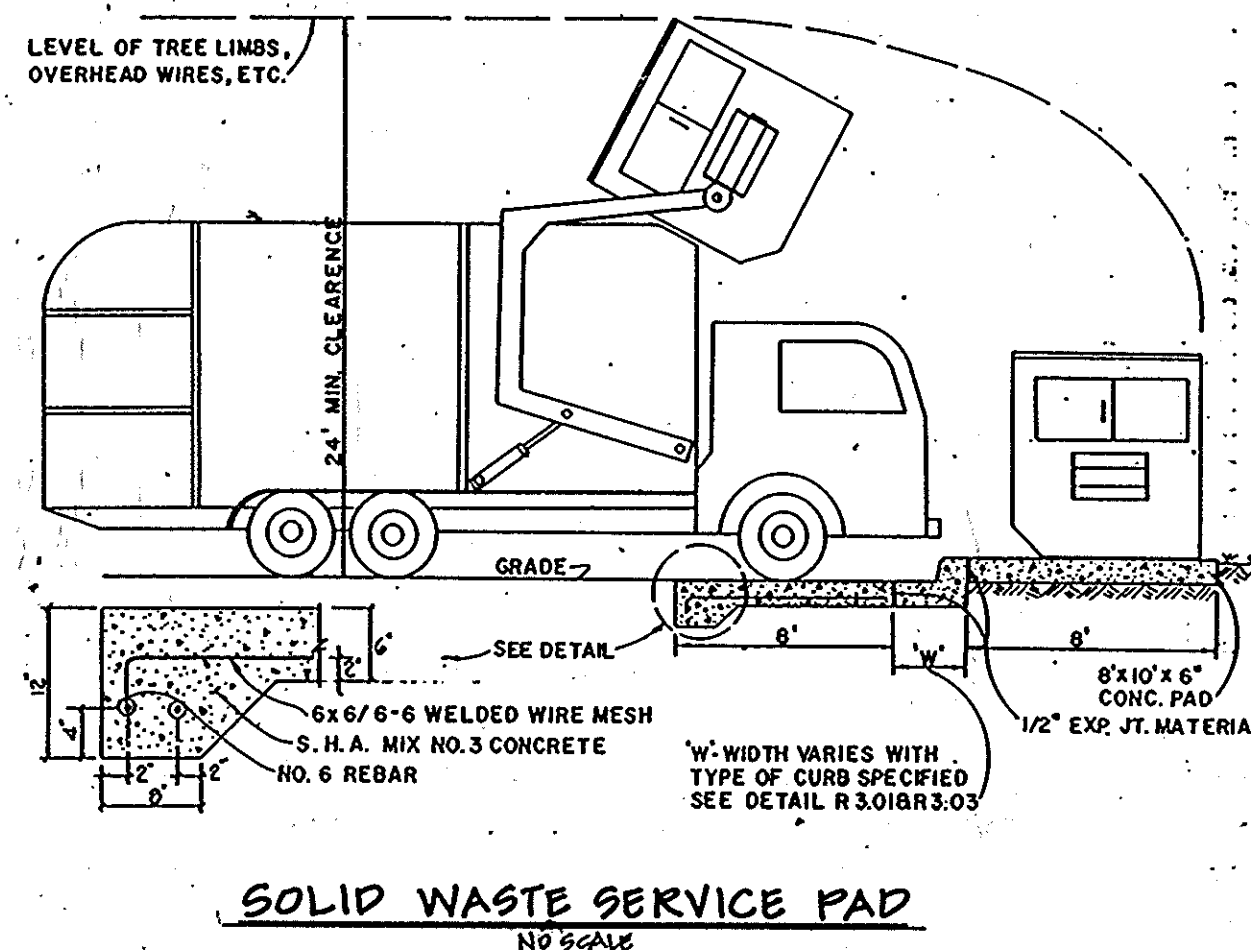
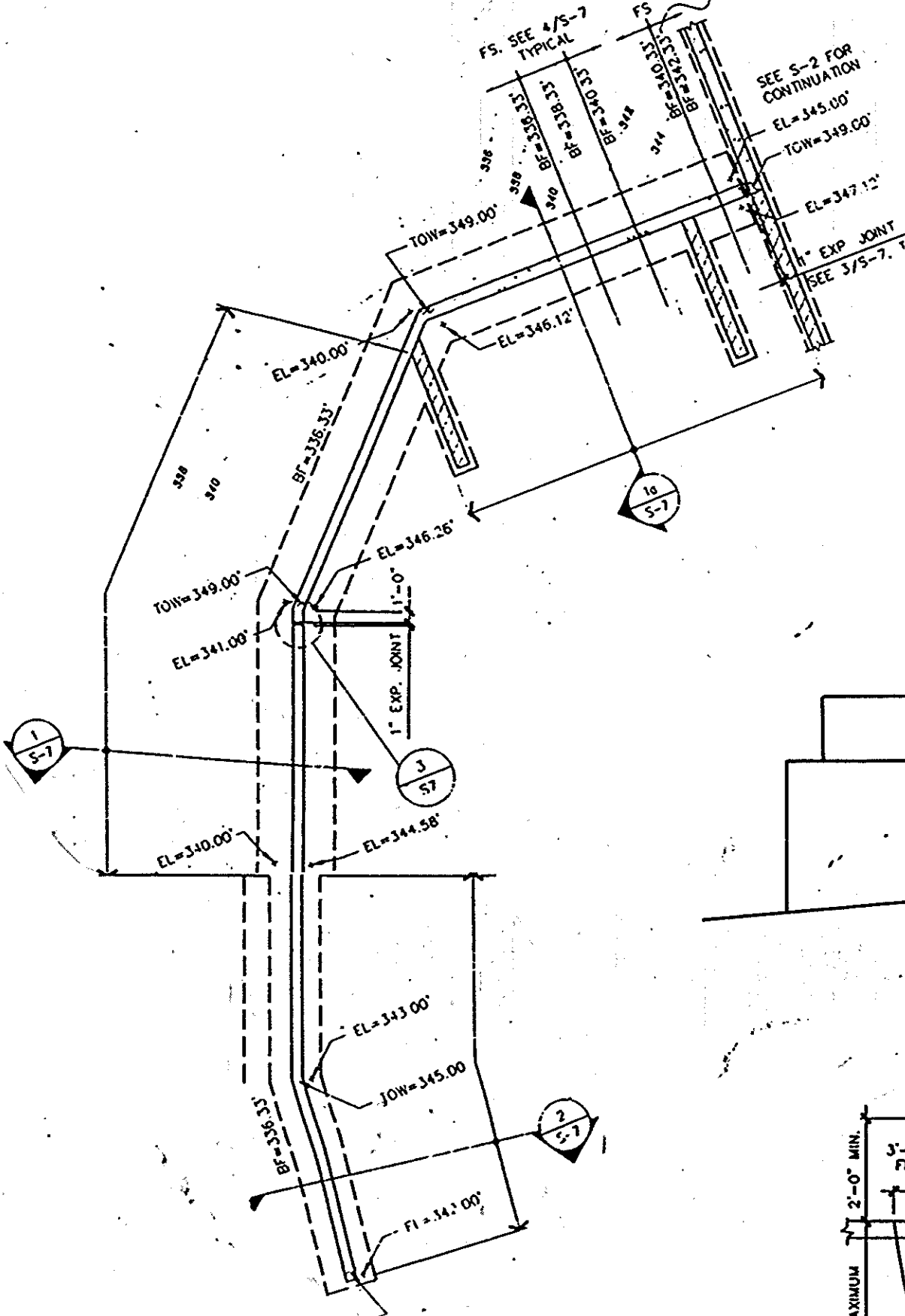
**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 12772 BALTIMORE NATIONAL PIKE  
ELKTON CITY, MARYLAND 21828  
410-391-2899

**RETAINING WALL PLAN**

SCALE: 1/8" = 1'-0"

**NOTES:**

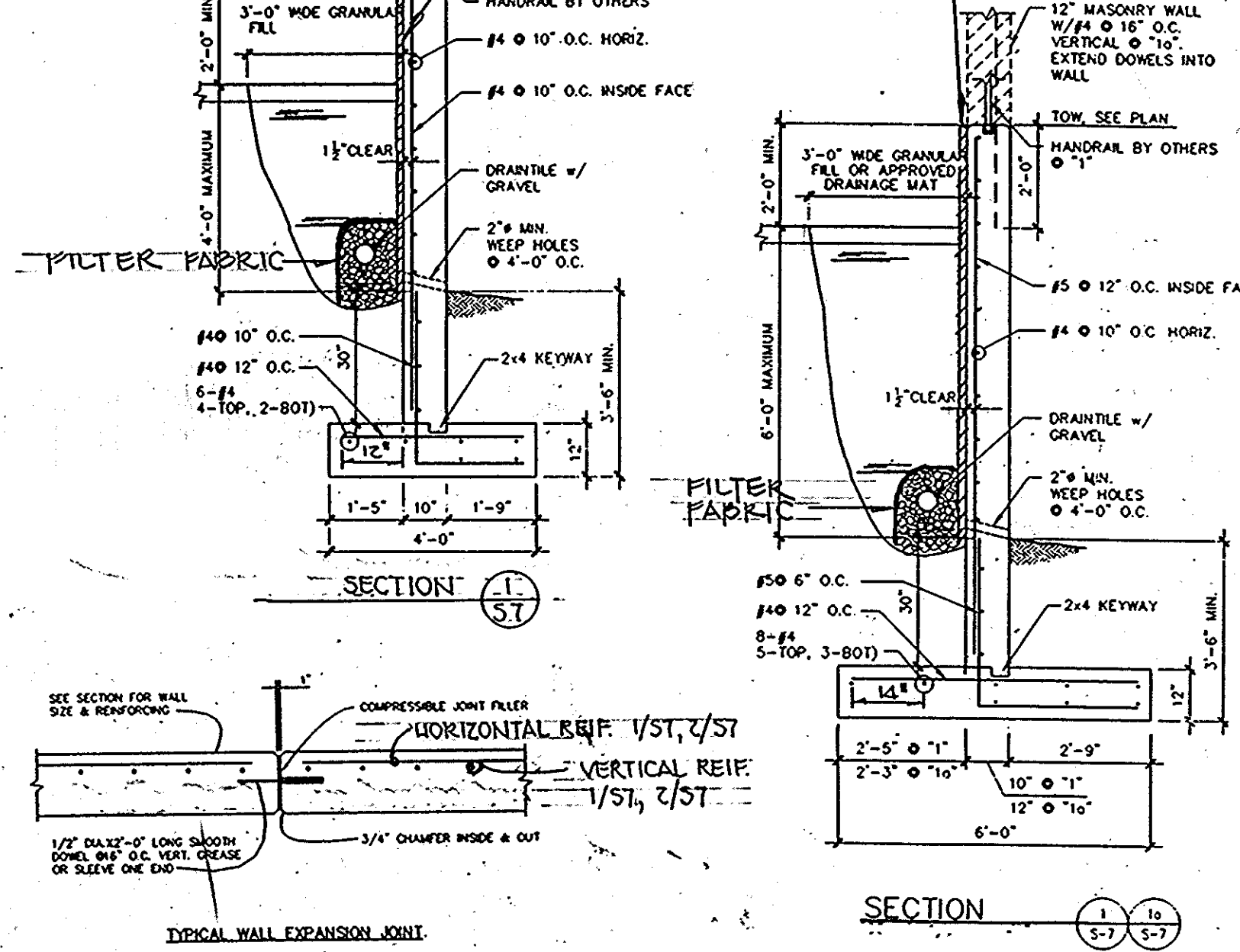
1. LOCATE RETAINING WALL PER CIVIL DRAWINGS.
2. FINAL GRADES TO BE OBTAINED FROM CIVIL DRAWINGS.



**SOLID WASTE SERVICE PAD**  
NO SCALE

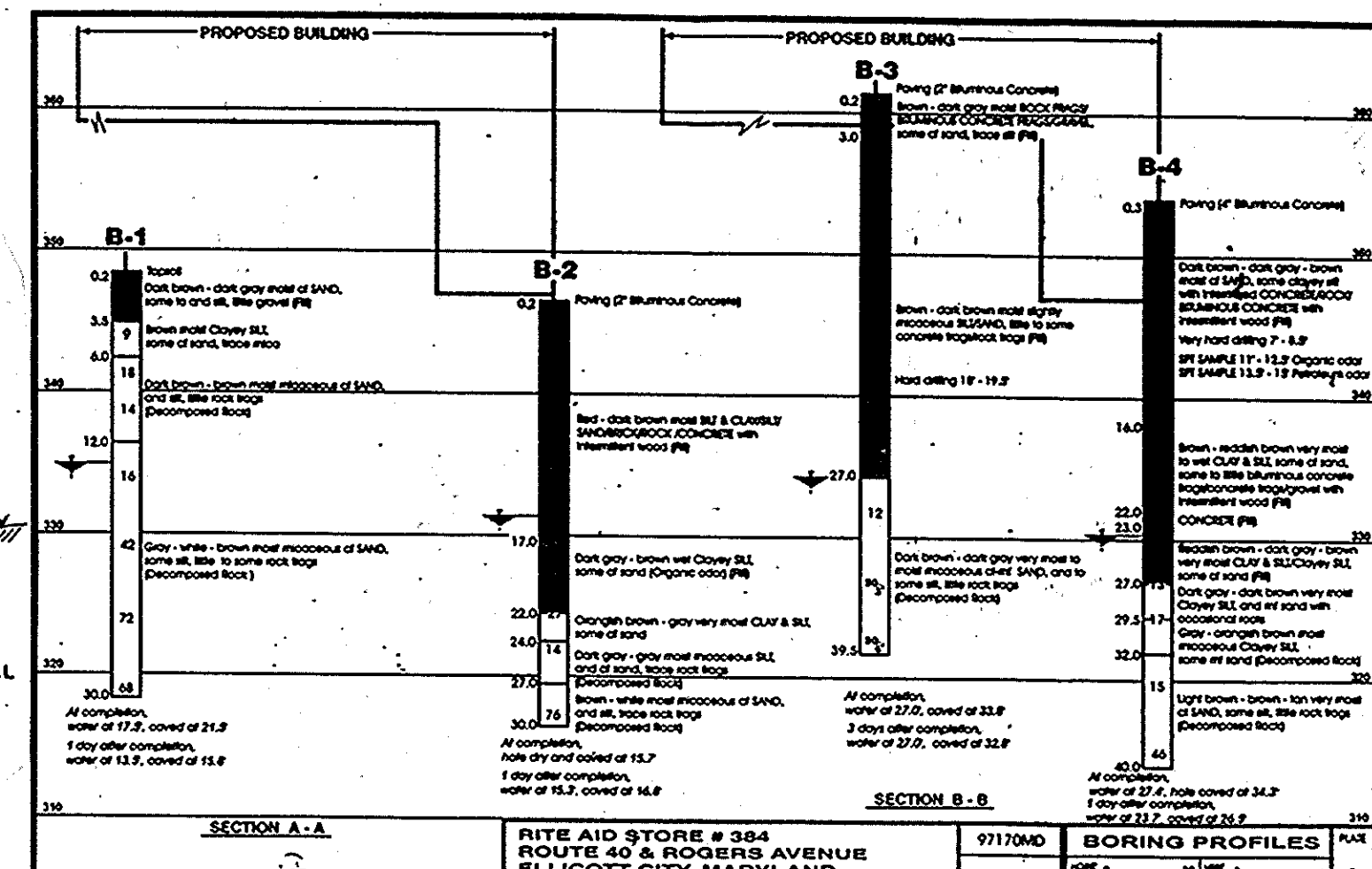
**BUILDING PROFILE**  
NORTHEAST ELEVATION - ROGERS AVE.  
NO SCALE

MIRADRAIN OR APPROVED EQUAL DRAINAGE BOARD SYSTEM OR 12" WIDTH AASHTO NO. 57 STONE COVERED WITH FILTER FABRIC.

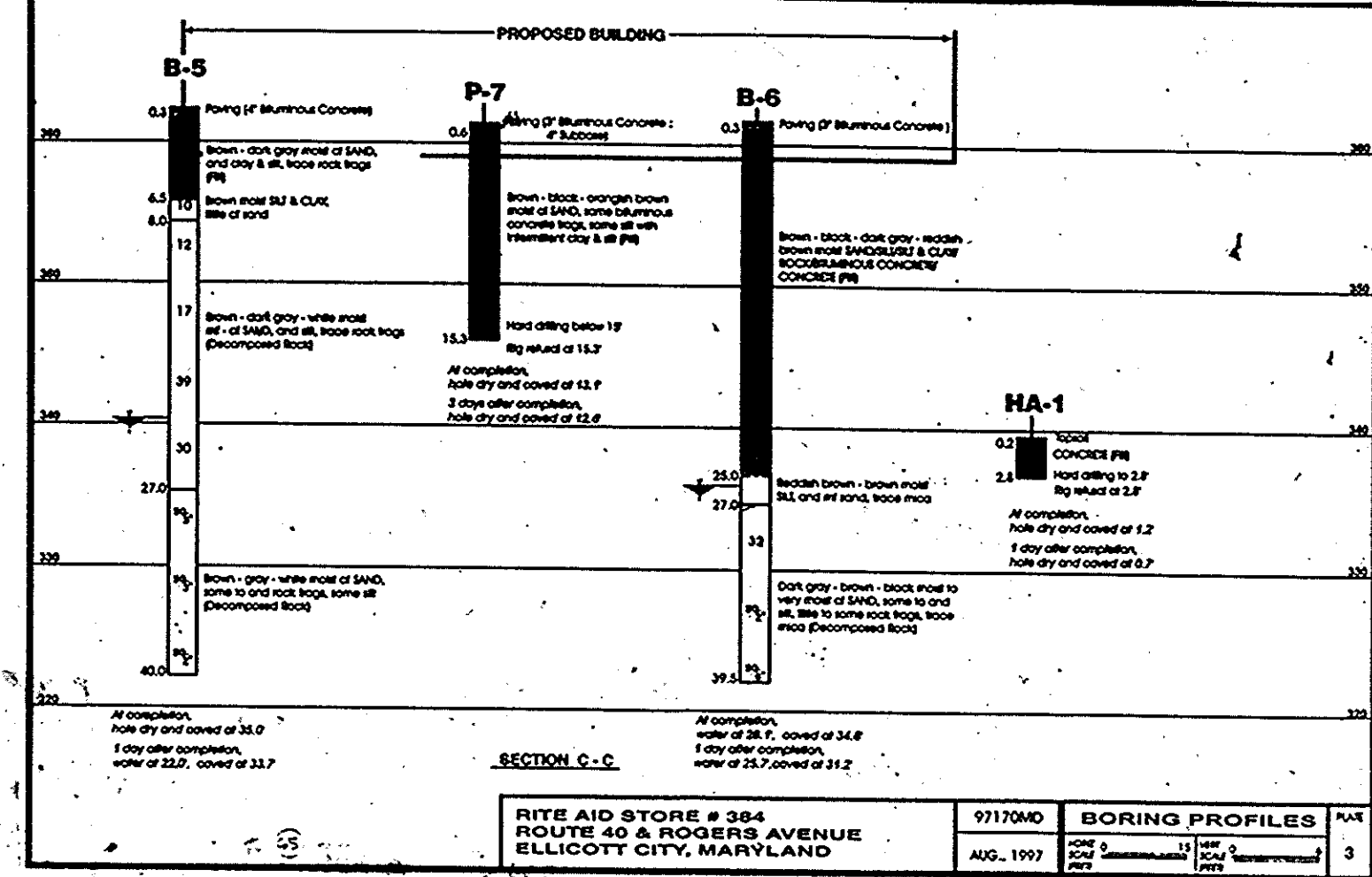


**NOTES:**

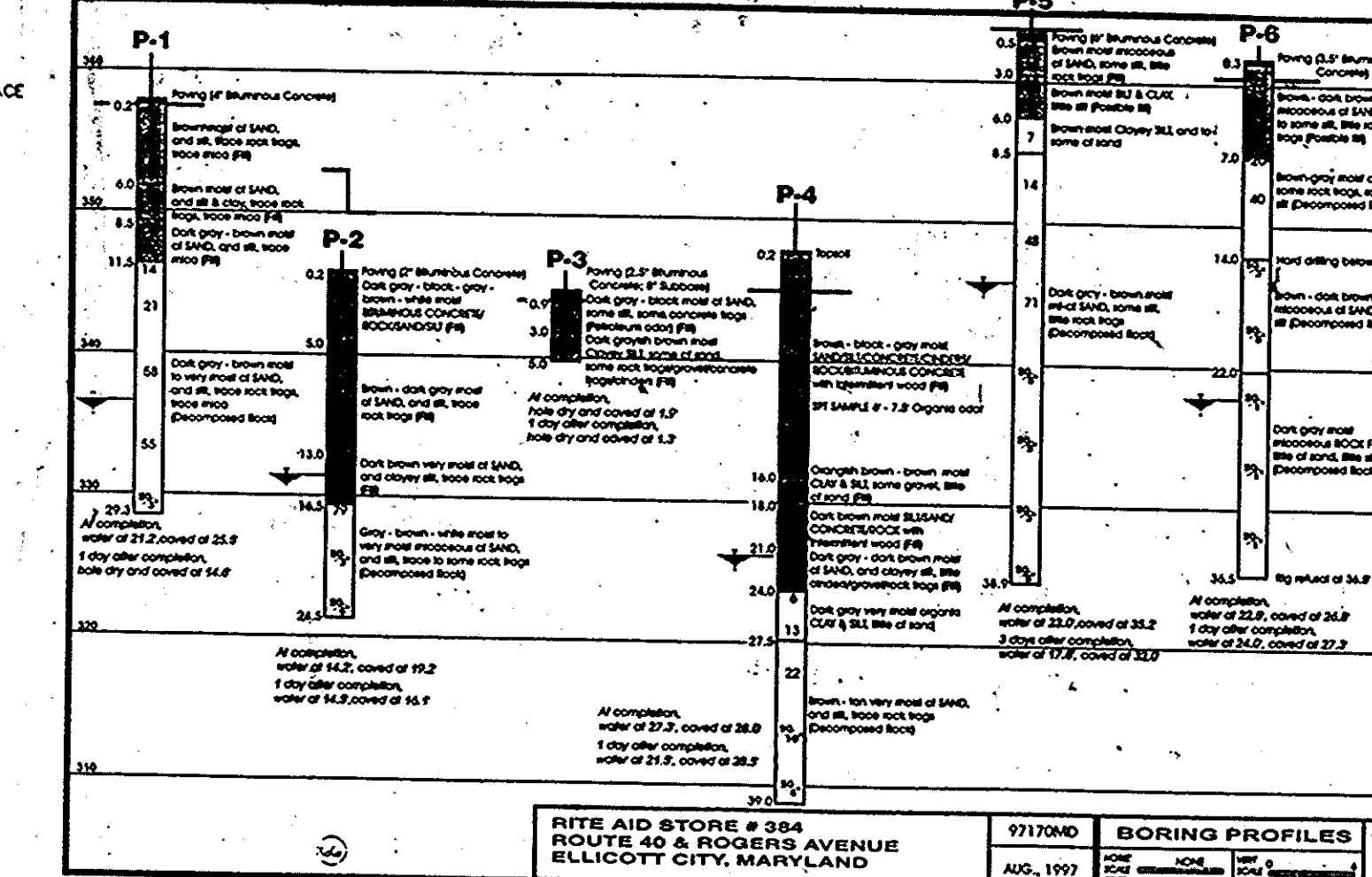
1. ALL CONCRETE SHALL HAVE A MIN. 98-PSI COMPRESSIVE STRENGTH (C) OF 3000 PSI.
2. ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH ACI REQUIREMENTS.
3. ALL REINFORCEMENT STEEL BARS SHALL MEET ASTM A618 GRADE 60 (F 60,000).
4. MAINTAIN 30 MIN. MIN. MOST DEPTH FROM FINISHED GRADE AT THE WALL FACE TO THE BOTTOM OF THE FOOTING.
5. WALL FOUNDATION SUBGRADE SHALL CONSIST OF APPROVED NATURAL GRADE WITH A MIN. BEARING CAPACITY OF 3500 P.S.F.
6. FOOTINGS TO BE CONSTRUCTED CONTINUOUSLY BEHIND THE RETAINING WALL, AND SHALL CONSIST OF 6" STONE WELDED MESH OR NON-WOVEN GEOTEXTILE FILTER. THE STONE SHALL BE PLACED THROUGH A CONTINUOUS 4" REINFORCED, NON-CORRODED, PVC PIPE (SCHEDULE 30 OR EQUIVALENT) CONSTRUCTED TO 2" DIAMETER, SPACING AT 4'-0" ON CENTER. WALL TO BE CONFINED WITH 1/2" DIA. 4" OR MORE GRANULAR SOIL BACKFILL SHALL NOT BE PLACED UNTIL CONCRETE HAS REACHED 80% OF DESIGN STRENGTH.



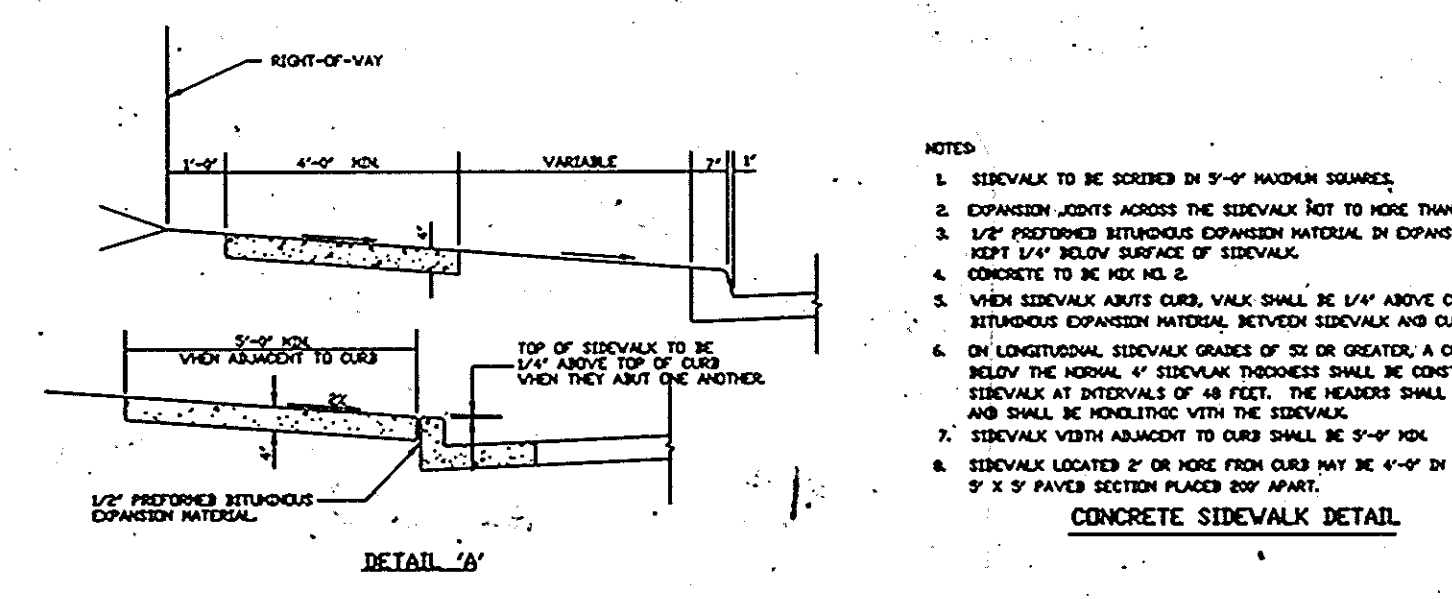
**BORING PROFILES**  
RITE AID STORE # 384  
ROUTE 40 & ROGERS AVENUE  
ELICOTT CITY, MARYLAND  
AUG. 1997



**BORING PROFILES**  
RITE AID STORE # 384  
ROUTE 40 & ROGERS AVENUE  
ELICOTT CITY, MARYLAND  
AUG. 1997



**BORING PROFILES**  
RITE AID STORE # 384  
ROUTE 40 & ROGERS AVENUE  
ELICOTT CITY, MARYLAND  
AUG. 1997



**CONCRETE SIDEWALK DETAIL**

**TRENCH DRAIN SPECIFICATIONS**

**Excavation**  
Excavation must provide for a minimum of 8 inches on both sides of the former and 9 inches on bottom. Bottom clearance includes a 3 inch clearance for the rear U legs and existing slab. Excavate to match former numbers provided. Each 8 ft. section shall equal length U legs so the excavation should be a series of 8'-0" sections.

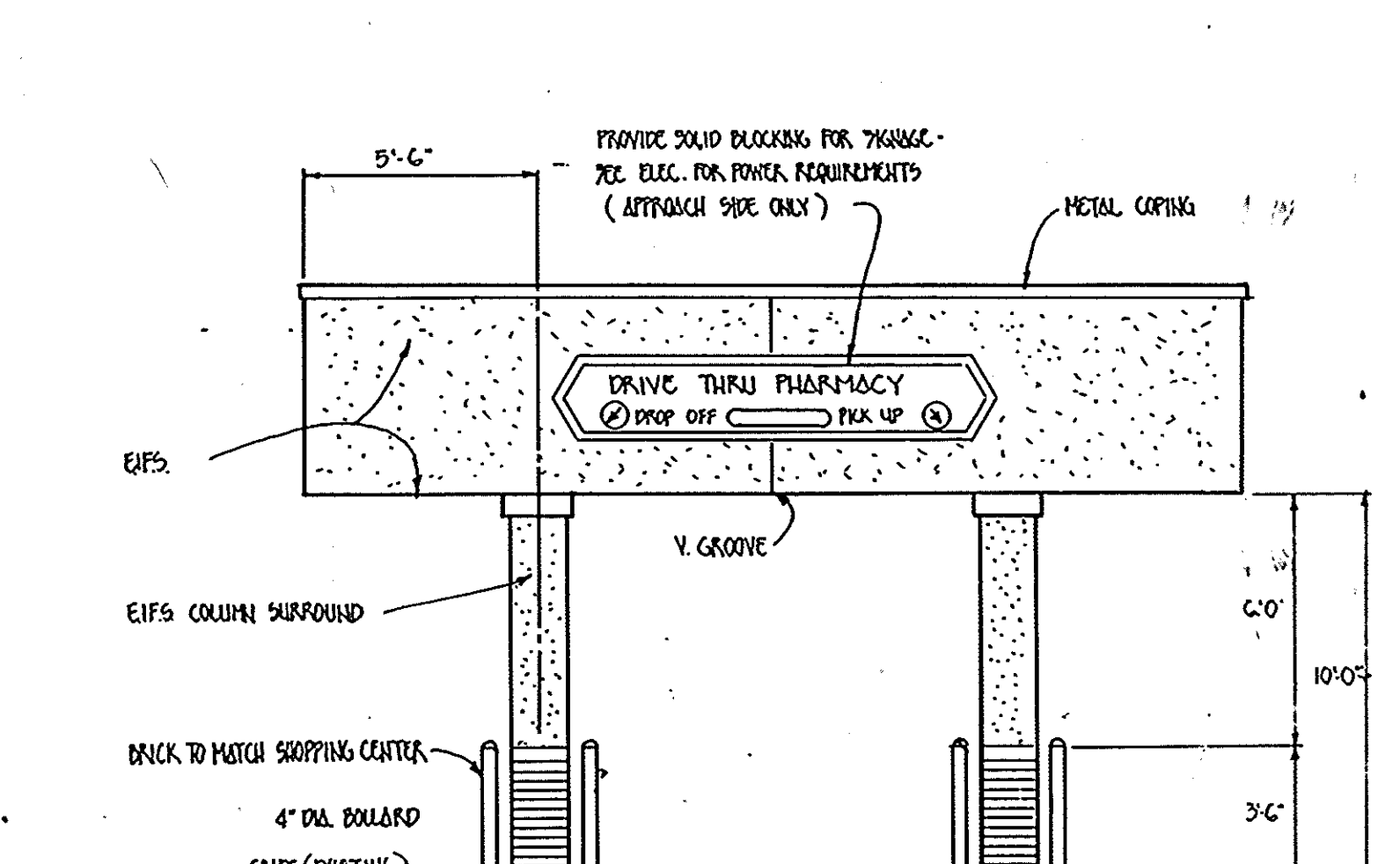
**Pre-Assembly**  
Lay out the former and rail sections along the excavation. Former sections should be laid out in the proper numerical sequence. Former and U legs are color-coded for easy assembly. Patch color of Formade on the U legs to the color of the part number marked on end of form. Attach legs to the rail by cutting a cut to the end of the Formade. Insert Formade through opening rail brackets and then secure with another cut. Attach the former sections to bottom and sides of the former. Do not use petroleum based form release - it will prevent the Formade from spreading the rails open. Position the Formade between them and insert the Formade into the grooves on each side of the former. The wire across rails to ensure a snug fit and precise gate-seat dimension.

**Component Placement**  
Begin installation at deep corner end. Attach a length of supporting lumber across each 8 ft. joint. Hold top of the angle rail to finished grade and attach supporting lumber to the grade string. In position the next section, push rail close onto the rail ends of one section, then push rail ends of next assembled section onto these clips until the rail is butted together. To assist in longitudinal alignment, 2x4 wooden blocks can be fitted to alignment groove in the top of the former and nailed to supporting lumber once the former is in place. The U legs should be supported last above floor of excavation. Vertical discharge piping should never be fitted to the former.

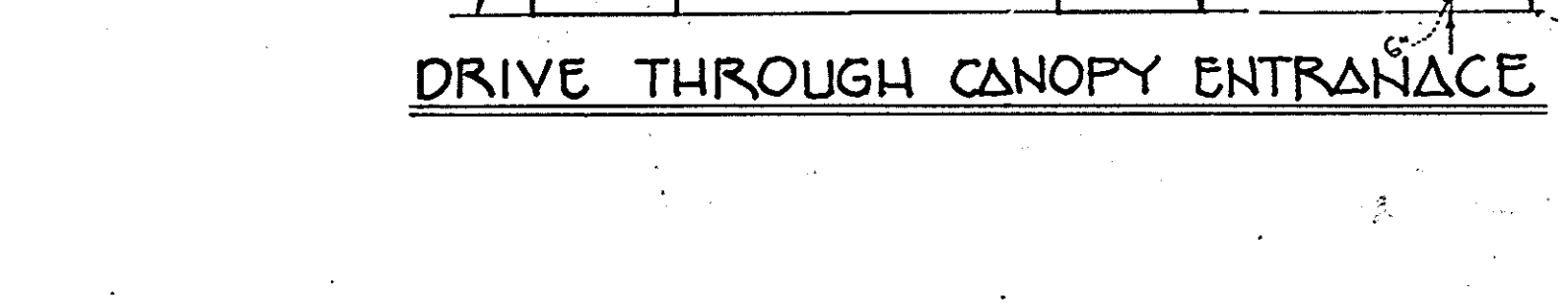
**Concrete Placement**  
Pour a non structural concrete slab wall and end to end in the bottom of the excavation covering the U legs with 2 inches of concrete. Allow this slab to set hard, then remove all supporting lumber. Repurpose trench bottom and walls, vibrating at the rate for good consolidation.

**Deforming**  
After 24 hours, you can deform the trench. Remove the concrete slab. Run a 1/2" rod or rebar along each side of the trench, removing the 2x4s. Cut out a short section of former, at shallow end with a spike or hand tool. Set a 1/2" bar between former and trench floor existing support force. The center 1/2" section will break free and can be easily removed. Remaining pieces of former can then be pulled from the trench walls.

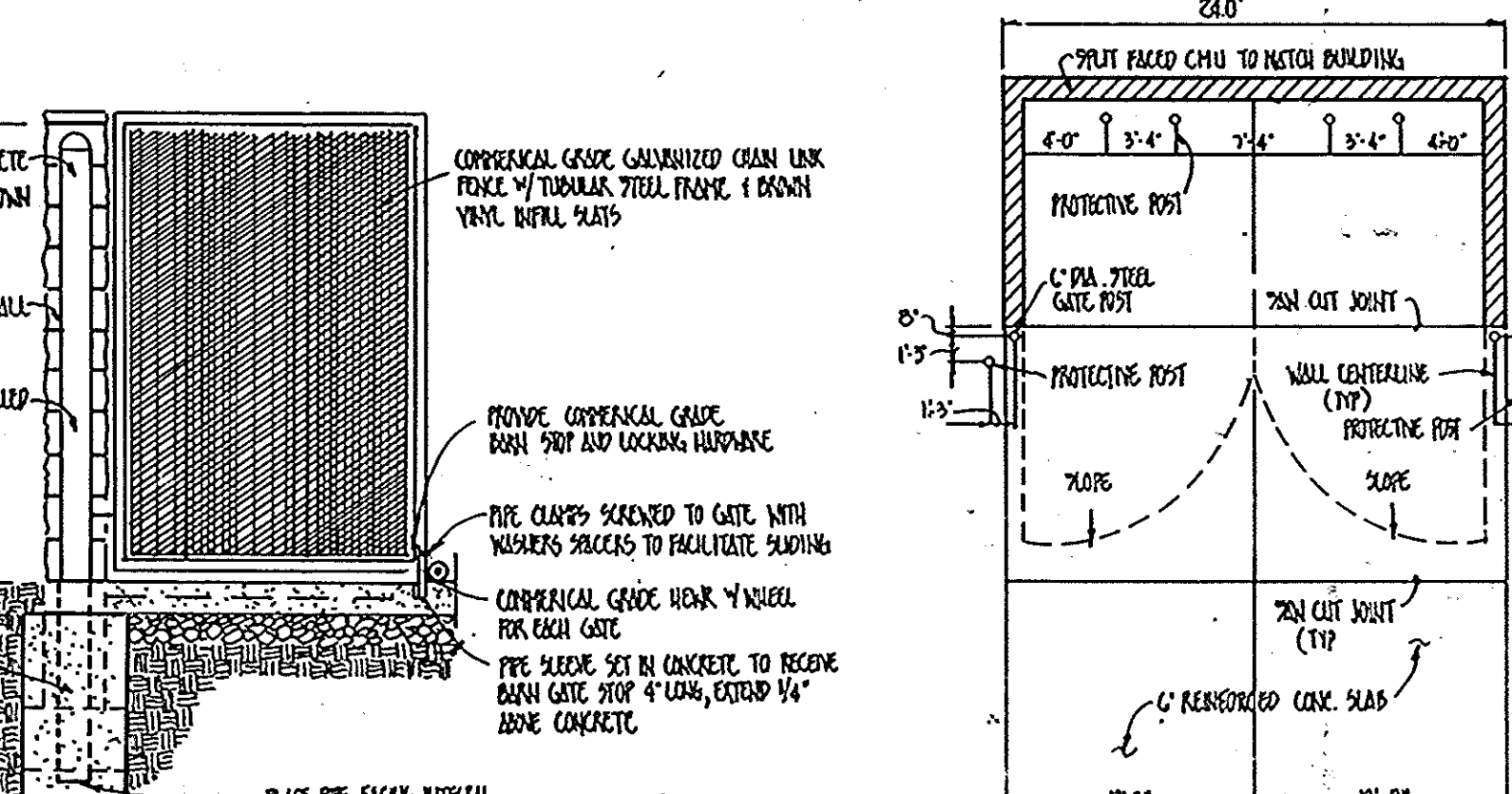
**NOTE:** For more detailed instructions and for custom trench former installations, please see the ADT Trench Former Installation Guide.



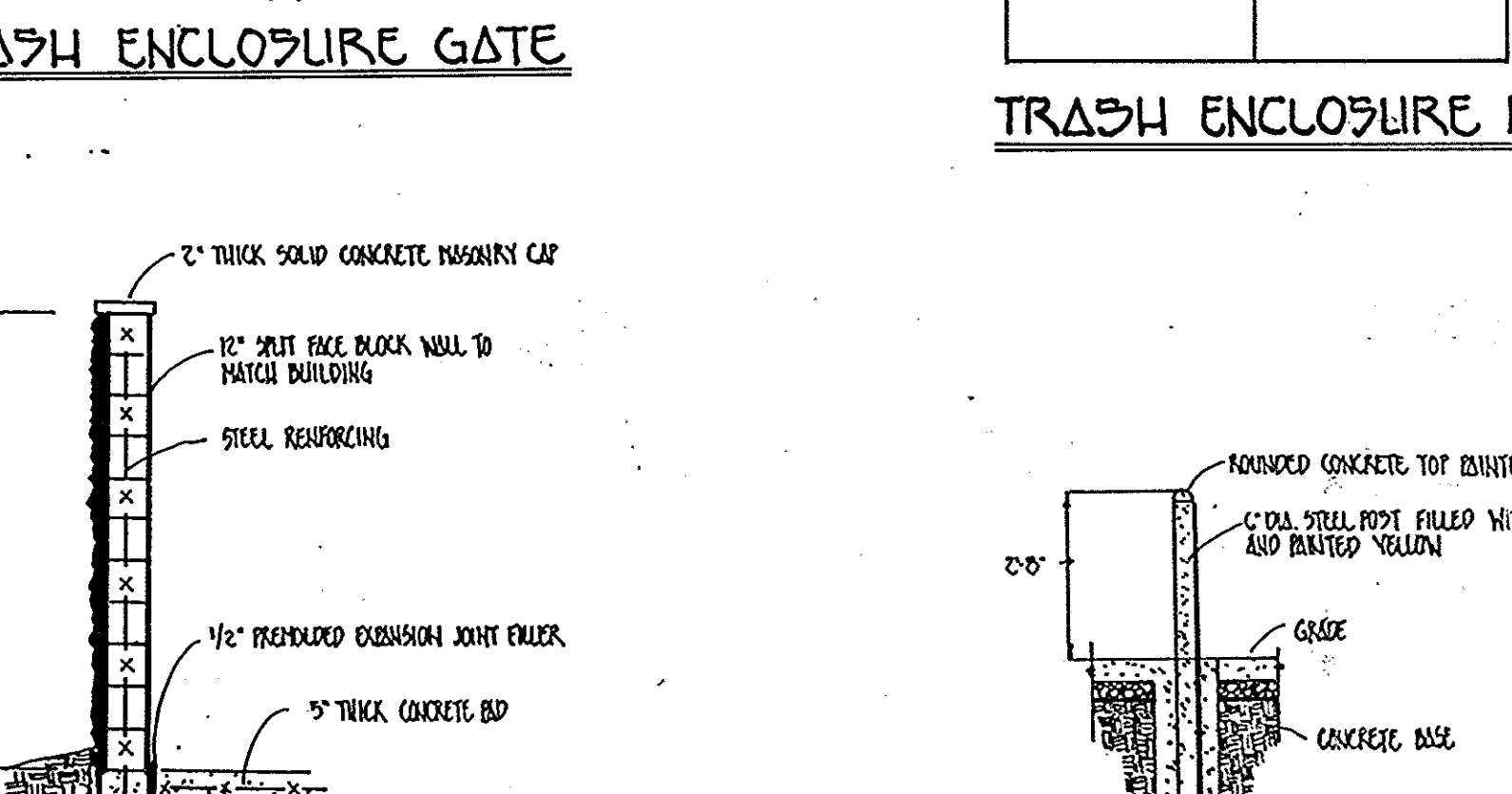
**DRIVE THROUGH CANOPY ENTRANCE**



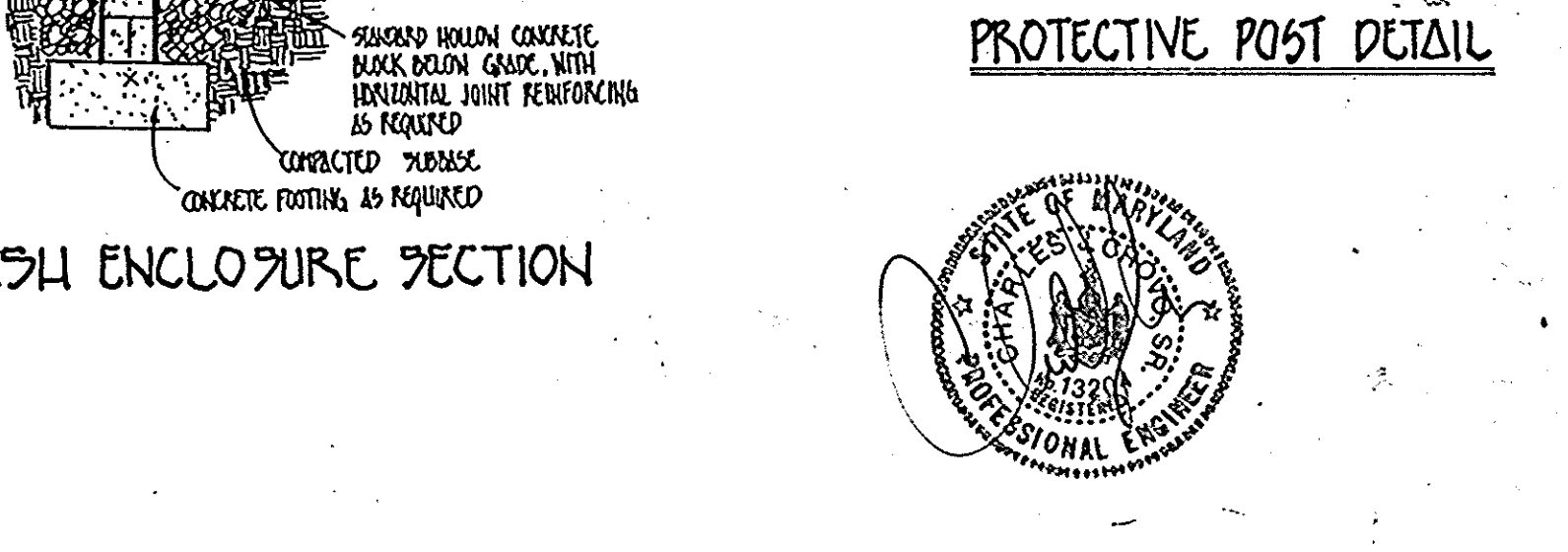
**TRASH ENCLOSURE GATE**



**TRASH ENCLOSURE PLAN**



**PROTECTIVE POST DETAIL**



**TRASH ENCLOSURE SECTION**

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CONTINENTAL SQUARE OFFICE PARK - 16272 BALTIMORE NATIONAL PIKE  
ELICOTT CITY, MARYLAND 21042  
410-424-2555

40203DETAIL SHEETS.DWG

**ENGINEER'S CERTIFICATE**  
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 requirements of the Howard Soil Conservation District.

*David W. Crockett*  
Signature of Engineer (Print name below signature) Date: 8/31/98

**DEVELOPER'S CERTIFICATE**  
I/We 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 the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection of the Howard Soil Conservation District.

*David W. Crockett*  
Signature of Developer (Print name below signature) Date: 8-31-98

Approved for HOWARD SCD and meets Technical Requirements.

*David W. Crockett* 9-2-98 Date  
Howard SCD  
This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

*John R. Robinson* 9-2-98 Date  
Howard SCD

**OWNER**  
RITE AID  
DAVID CROCKETT  
PERRY HALL SQUARE 5/C  
4339 EBENEZER ROAD  
BALTIMORE, MARYLAND 21236

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*David W. Crockett* 9/17/98 Date  
Director - Department of Planning and Zoning  
*David W. Crockett* 9/17/98 Date  
Chief, Division of Land Development  
*David W. Crockett* 9/16/98 Date  
Chief, Development Engineering Division

SUBDIVISION	SECTION/AREA	LOT NO.
RITE AID - 8601 BALT.-NAT'L PIKE	N/A	54
L/F	BLOCK NO.	ZONE
2805/637	6	B-2
TAX/ZONE	ELEC. DIST.	CENSUS TR.
24	2ND	6029
WATER CODE	SEWER CODE	
F-03	1452200	

**DETAIL SHEET**  
8601 BALTIMORE NATIONAL PIKE  
**RITE AID CORPORATION**

TAX MAP No: 24 PARCEL: 54  
SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND  
SCALE: AS SHOWN DATE:  
SHEET 6 OF 6