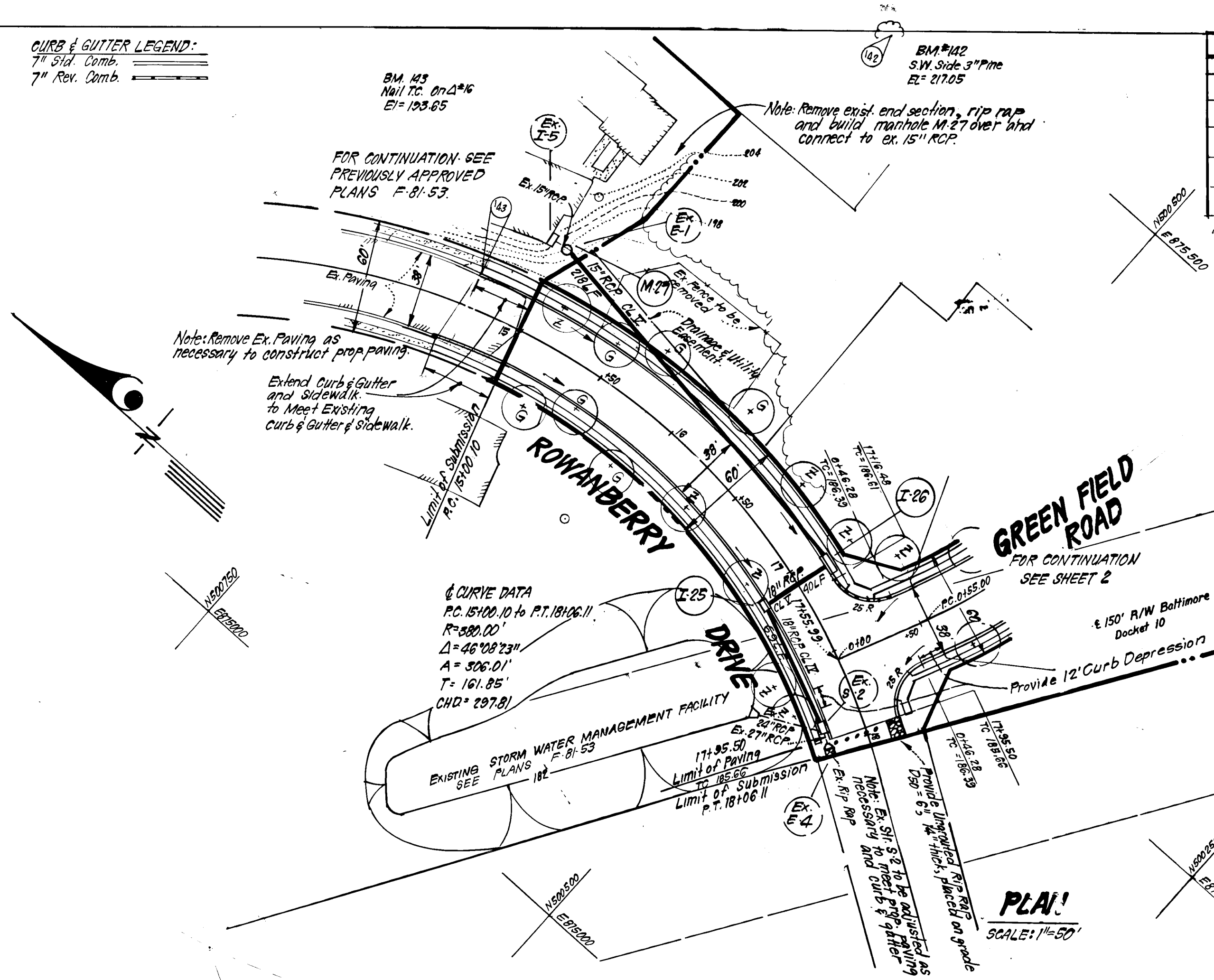
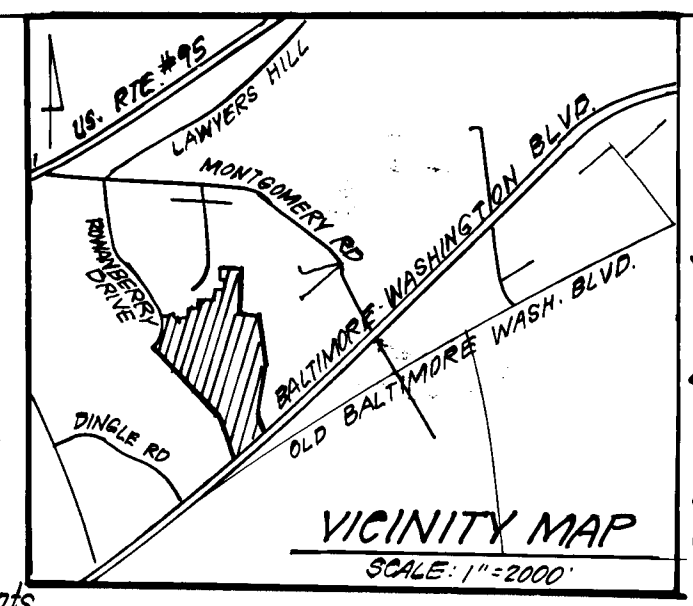


CURB & GUTTER LEGEND:
 7" Std. Comb.
 7" Rev. Comb.



KEY	PLANT NAME	SIZE	QUANT	REMARKS
(M)	Acer rubrum 'Sunset'	2 1/2 Cal	20	5' E B Heavy Heads
(R)	Quercus rubra		27	
(W)	Quercus phellos		32	
(Z)	Zelkova serrata 'Village Green'		8	
(G)	Fraxinus p. lanceolata 'Marshalls'		6	

- Notes:
- Contractor shall verify location of underground utilities prior to digging.
 - Final positions of trees may be adjusted slightly to accommodate field conditions.
 - Planting procedures shall comply with "Landscape Specs. for Baltimore-Washington Metropolitan Areas".
 - Substitutions to the above species may be permitted provided that the planting is in accordance with the street tree and landscape requirements as specified in Section 16.181 of the Howard County Subdivision Regulations.



- GENERAL NOTES:**
- All storm drain and paving shall be constructed in accordance with the latest Details and Specifications of Howard County & Md. SHA.
 - Types of Storm Drain Structures refer to the Standard Details of Ho. Co. & Md. SHA.
 - Trench compaction for Storm Drains, within Road or Street rights of way limits shall be in accordance with Howard Co. Design Manual Vol. IX (Class C trench bedding to be used for all storm drain, unless shown otherwise).
 - Information concerning underground utilities was obtained from available records, but the contractor must determine the exact location and elevation of the mains by digging test pits, by hand, at all utility crossings, well in advance of construction.
 - All utility companies shall be notified 24 hrs. in advance of construction.
 - All traffic control devices, parking, and signing to be done in accordance with the "Manual of Uniform Traffic Control Devices," 1978 Edition.
 - Sag and Crest Vertical Curves were designed in accordance with "A Policy on Geometric Design of Rural Highways," 1965, by AASHTO.
 - Provide Concrete Sidewalk Ramps, Ho. Co. Std. Type A, R.4.01 where shown in plan.
 - Design Speed: See Chart, Sht. 4.
 - Zoning: RA-15
 - Contractor or Developer shall contact the Construction Inspection/Survey Division 24 hrs. before commencing work at 792-7272.
 - Storm Water Management for area draining to Rowanberry Drive provided by previously approved plans F-81-53.
 - Street trees to be planted as a part of this submission.

Reviewed for... **HOWARD** S.C.D.
 Name
 and meets Technical Requirements
 Signature: *[Signature]* 1-2-85
 Date
 U.S. Soil Conservation Service

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



[Signature] 1-2-85
 Approved Date

DEVELOPER'S/BUILDER'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 that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources 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 or their authorized agents, as are deemed necessary."

Rockburn Properties, Co., G.P.
 Signature of Developer/Builder: *[Signature]* 3/6/85
 Date

ENGINEER'S CERTIFICATE

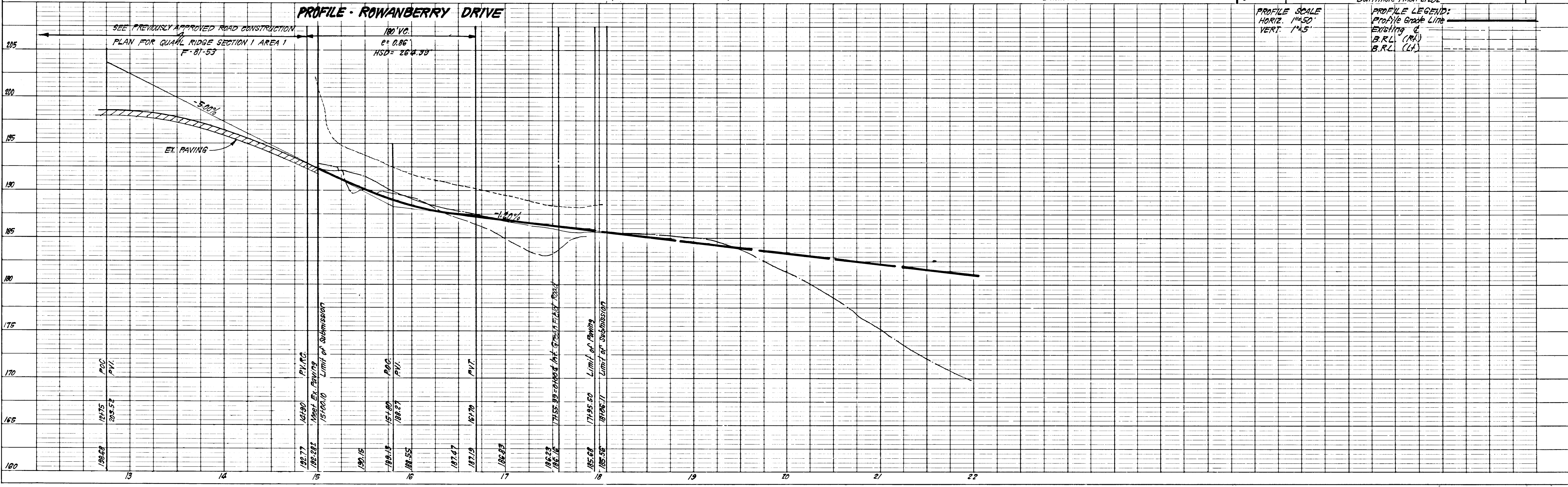
I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

[Signature] 3-5-85
 Date

APPROVED: Department of Public Works
[Signature] 1-2-85
 Chief, Bureau of Engineering
 APPROVED: Howard County Office of Planning & Zoning
[Signature] 1-2-86
 Chief, Division of Land Development & Zoning Administration

CLARK · FINEFROCK & SACKETT
 ENGINEERS · PLANNERS · SURVEYORS
 11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 · (301) 593-3400

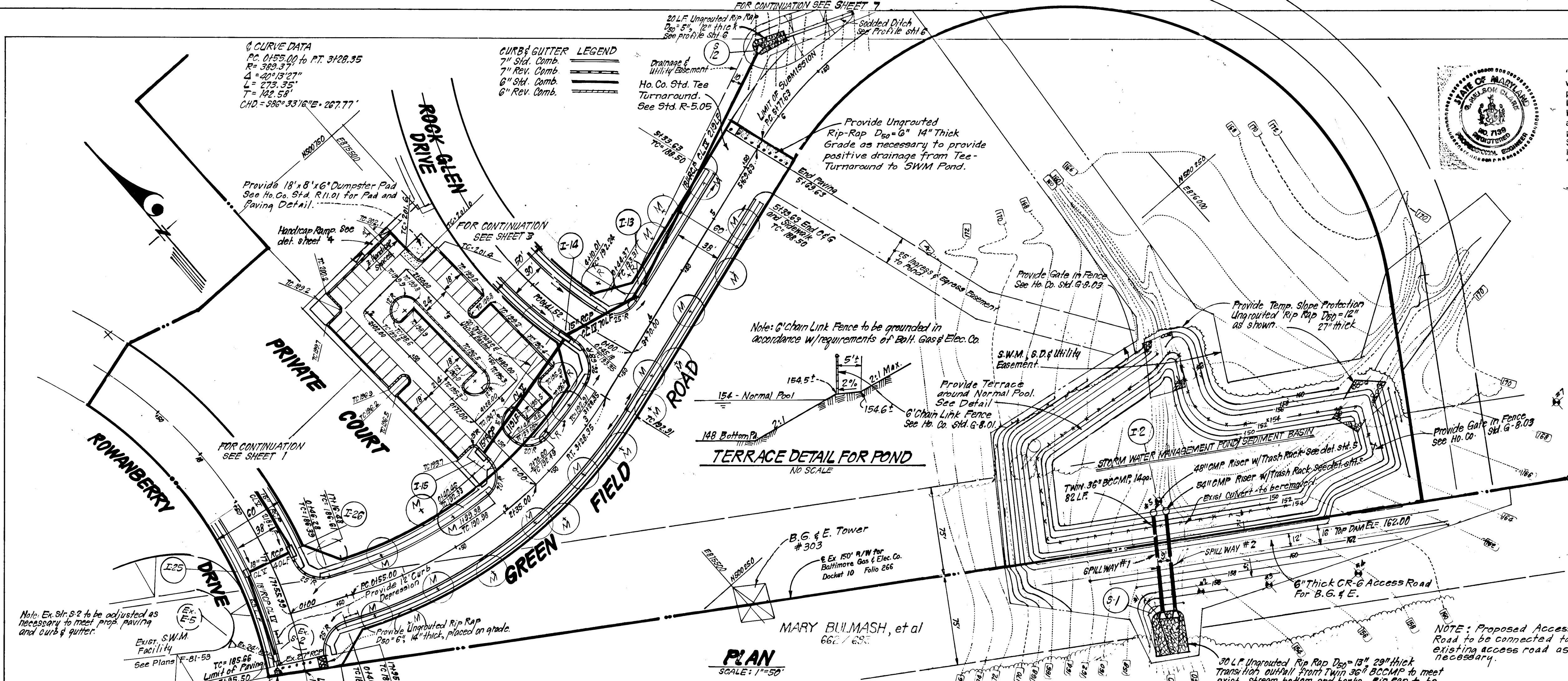
DESIGNED	ROAD CONSTRUCTION PLANS ROWANBERRY DRIVE	SCALE	AS SHOWN
DRAWN			10"=8'
CHECKED	ROCKBURN COMMONS	JOB NO.	84071
DATE	SECTION TWO 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	FILE NO.	84071-D
	FOR: ROCKBURN ASSOCIATES 802 Garrett Bldg. Baltimore, Md. 21202		



PROFILE SCALE
 HORIZ. 1"=50'
 VERT. 1"=5'

PROFILE LEGEND:
 Profile Grade Line
 Existing G.
 B.R.L. (R)
 B.R.L. (L)

#1167



DEVELOPER'S CERTIFICATE

"I certify that all development and/or construction will be done according to these plans of development. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary. Deviation from this plan will not be made unless authorized by The Howard Soil Conservation District. I will provide the Howard Soil Conservation District with a red-lined "as built" of the pond within 30 days of completion."

Approved: Robert W. Ziehm 1/2/86
Howard S.C.D. Date

Signature of Developer: Robert W. Ziehm 1/2/85 Date

ENGINEER'S CERTIFICATE

"I certify that this plan for pond construction, erosion, and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he must provide the Howard Soil Conservation District with a red-lined "as built" of the pond within 30 days of completion."

Signature of Engineer: John H. G. C. 3-5-85 Date

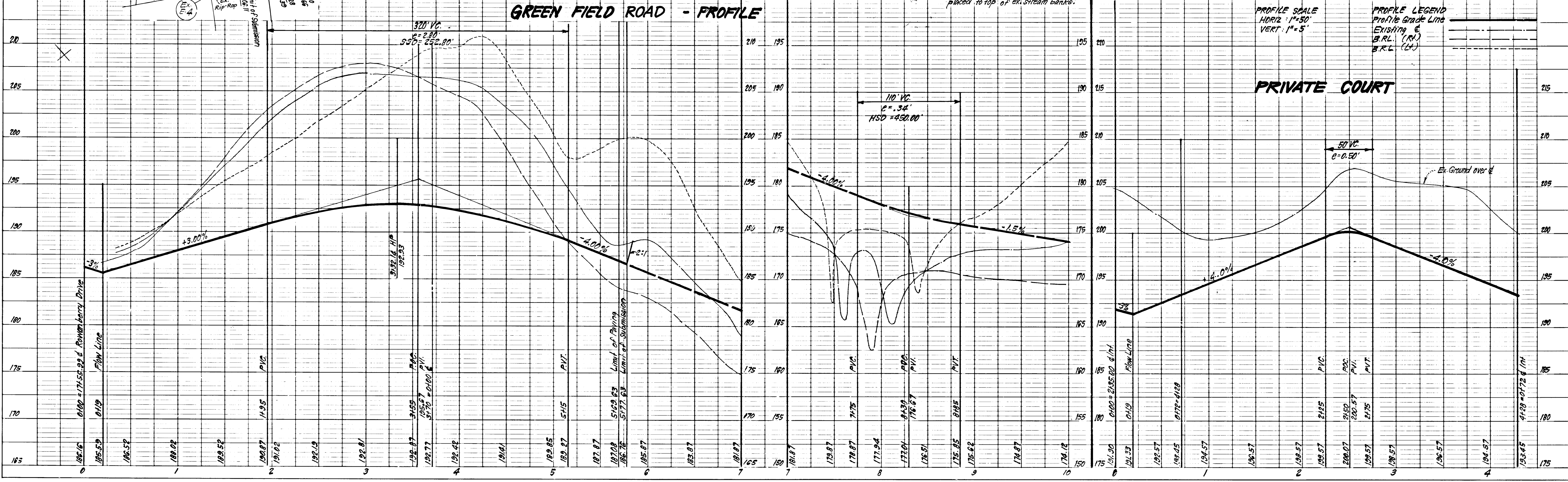
Revised Grading for S.W.M. Pond	11-28-86
REVISION	DATE
APPROVED: Department of Public Works	
Chief, Bureau of Engineering	1-3-86
APPROVED: Howard County Office of Planning and Zoning	1-2-86
Chief, Division of Land Development & Zoning Administration	DATE

CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS

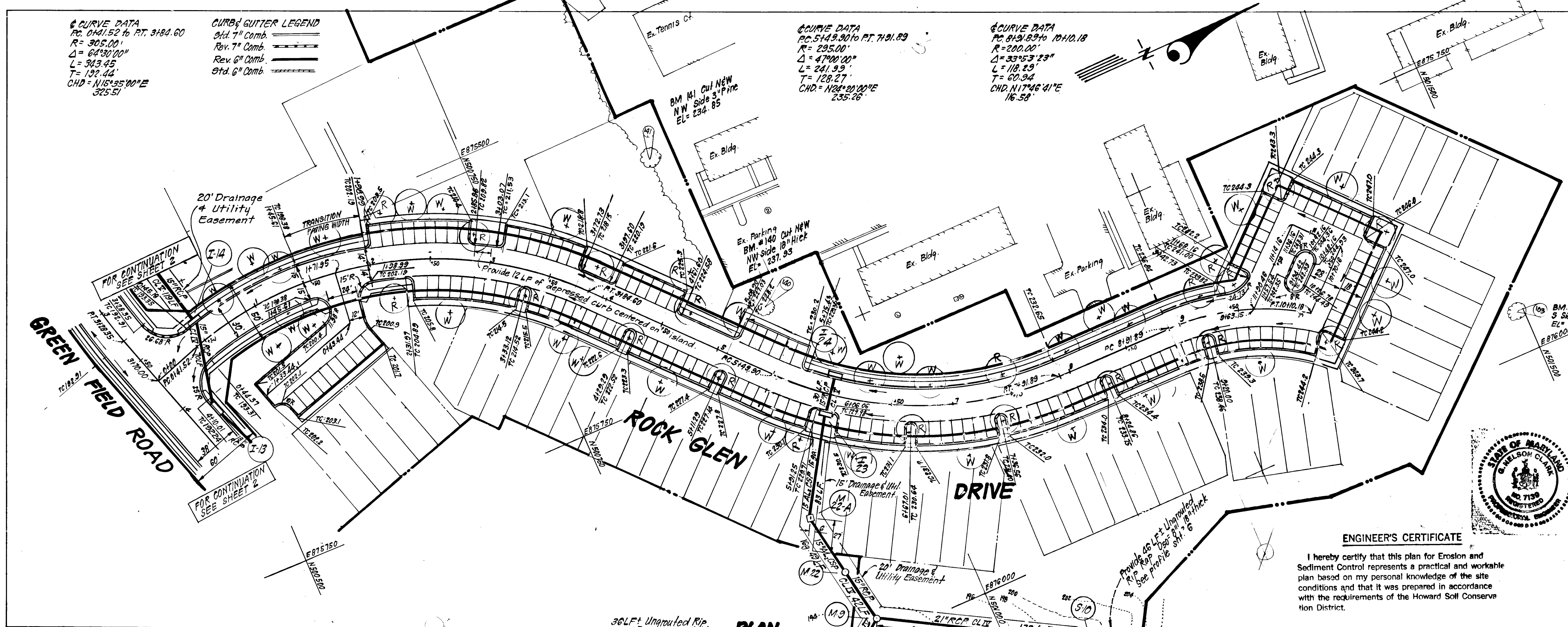
11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 · (301) 593-3400

DESIGNED	JLS	ROAD CONSTRUCTION PLANS GREEN FIELD ROAD	SCALE	AS SHOWN
DRAWN	KIW	ROCKBURN COMMONS	DRAWING	2 OF 8
CHECKED	JLS	SECTION TWO 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO.	84-071
DATE	3-5-85	FOR: ROCKBURN ASSOCIATES 802 GARRETT BLDG BETHESDA, MD 20812	FILE NO.	84-071-D

GREEN FIELD ROAD - PROFILE



#1167



DEVELOPER'S/BUILDER'S CERTIFICATE
 "I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources 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 or their authorized agents, as are deemed necessary."
 ROCKBURN PROPERTIES, LTD. & P.
 Signature of Developer/Builder: [Signature] Date: 1/2/86

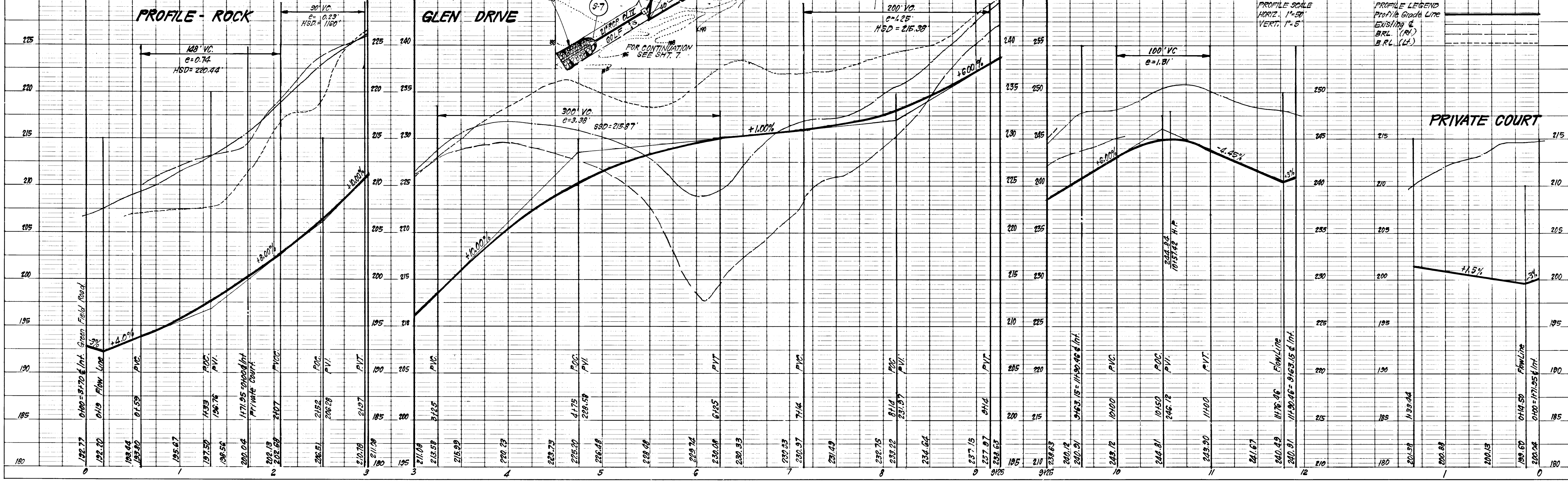
Reviewed for: HOWARD S.G.D. Name
 and meets Technical Requirements
[Signature] Date: 1/2/86
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Approved: [Signature] 1/2/86
 Approved: Department of Public Works

APPROVED: Department of Public Works
 Chief, Bureau of Engineering: [Signature] Date: 1-2-86
 APPROVED: Howard County Office of Planning and Zoning
[Signature] 1-2-86
 Chief, Division of Land Development & Zoning Administration

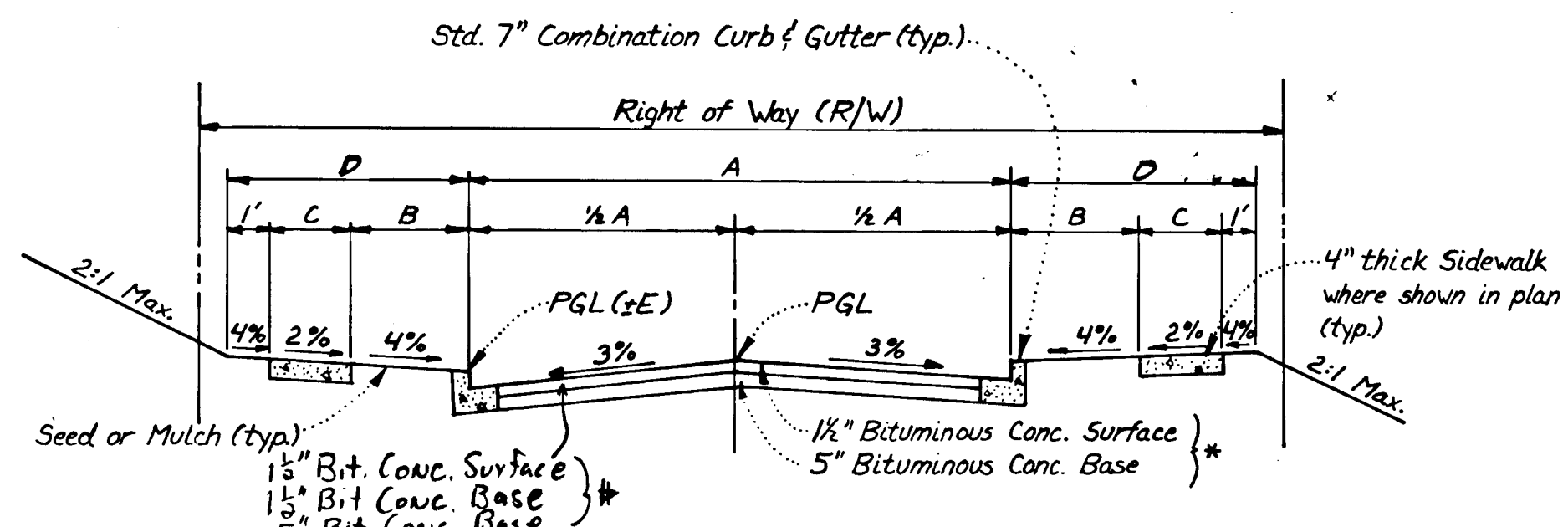


ENGINEER'S CERTIFICATE
 I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
[Signature] 3-5-85
 G. Nelson Clark Date

No	REVISIONS	DATE
1	Revised Parking	4-22-86

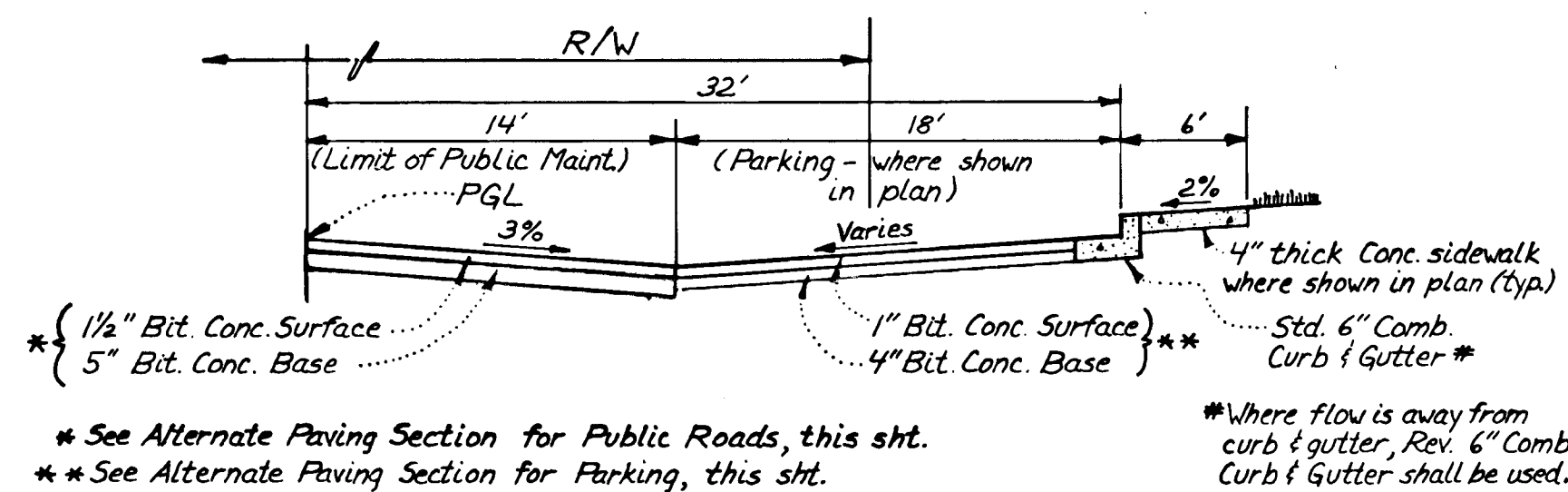


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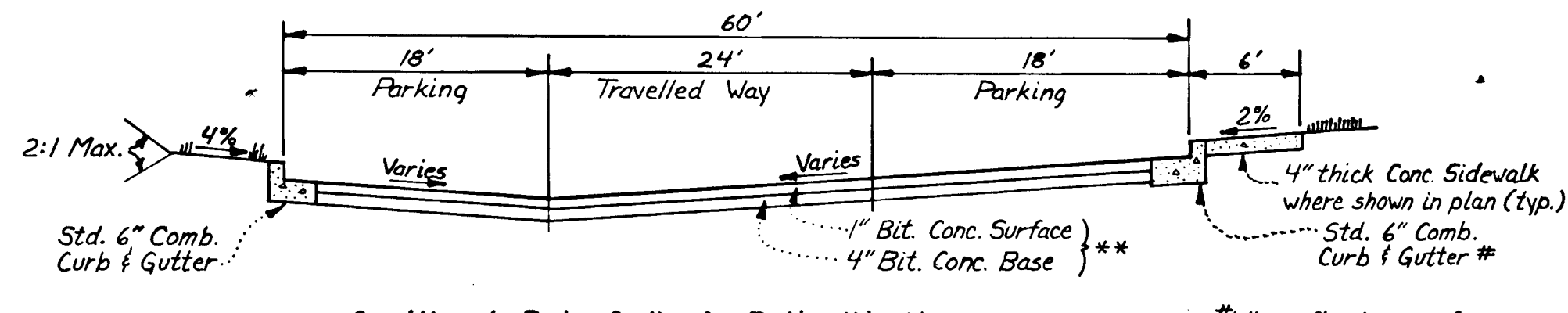


TYPICAL PAVING SECTION - PUBLIC ROADS
NO SCALE
* For Alternate Paving Section - See det. this sht.
Paving Section for Minor Collector - See Alt this sht.

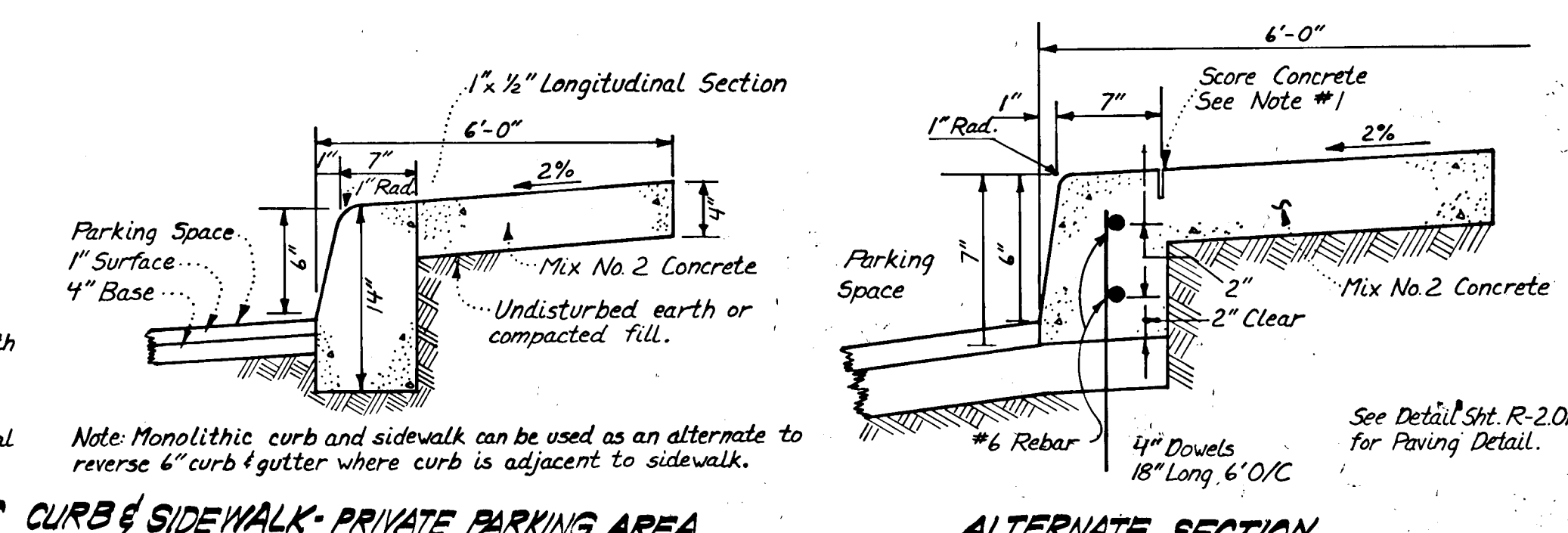
STREET NAME & STATION	TYPE OF TRAFFIC	A	B	C	D	R/W	ZONING	DESIGN SPEED	E
ROXBERRY DRIVE 15700.10 to 18106.11	MINOR COLLECTOR	38'	6'	4'	11'	60'	RA-15	35 mph	.02
GREEN FIELD ROAD 0100 to 51763	MINOR COLLECTOR	38'	6'	4'	11'	60'	RA-15	35 mph	.02
ROCK GLEN DRIVE 0100 to 1471.95	LOCAL	30'	4'	4'	9'	50'	RA-15	30 mph	.10



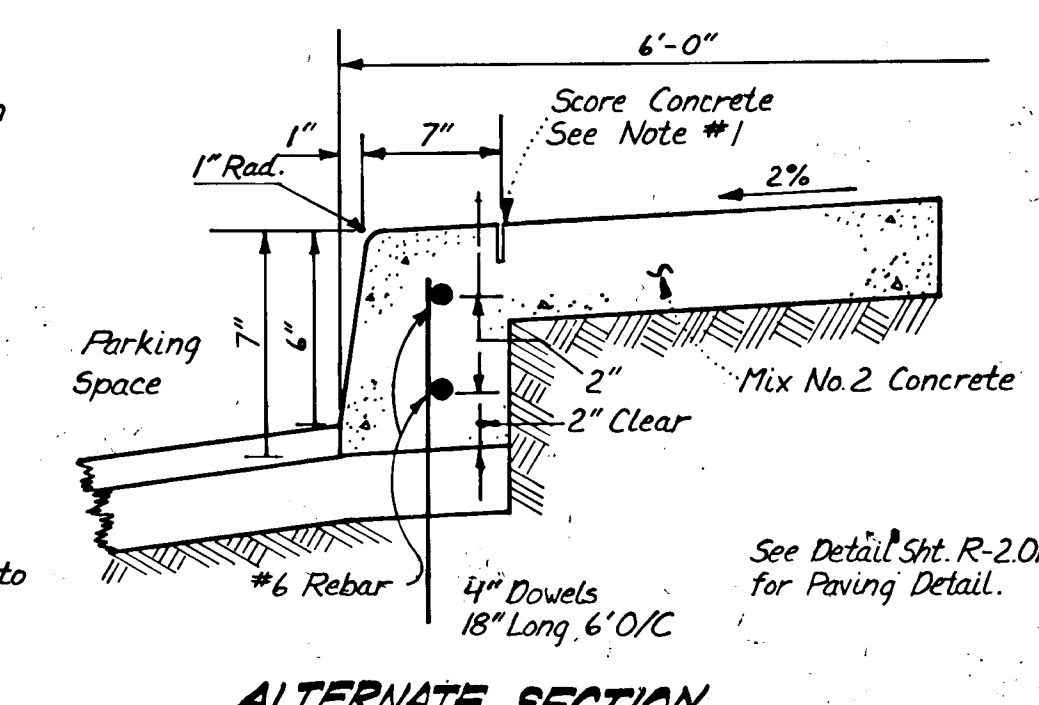
TYPICAL HALF SECTION PARKING ADJACENT TO PUBLIC ROADS
NO SCALE
* See Alternate Paving Section for Public Roads, this sht.
** See Alternate Paving Section for Parking, this sht.



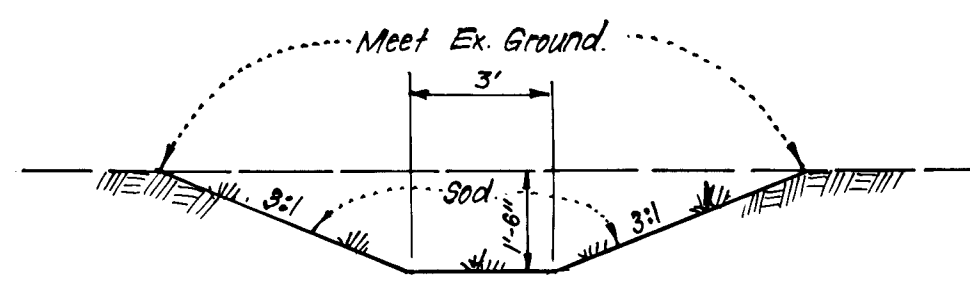
TYPICAL SECTION PRIVATE DRIVE & PARKING
NO SCALE
** See Alternate Paving Section for Parking this sht.
* Where flow is away from curb & gutter, Rev. 6" Comb. Curb & Gutter shall be used.



MONOLITHIC CURB & SIDEWALK - PRIVATE PARKING AREA
NO SCALE
Note: Monolithic curb and sidewalk can be used as an alternate to reverse 6" curb & gutter where curb is adjacent to sidewalk.

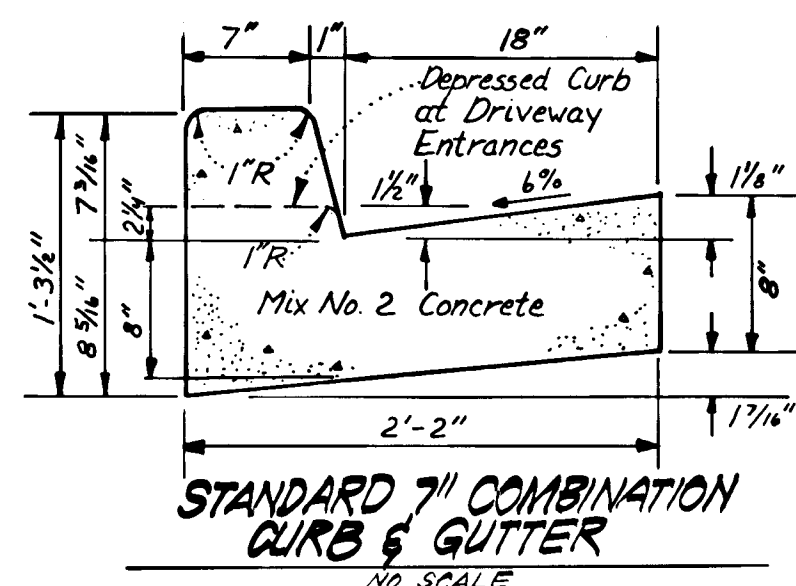


ALTERNATE SECTION
NO SCALE
See Detail Sht. R-2.01 for Paving Detail.

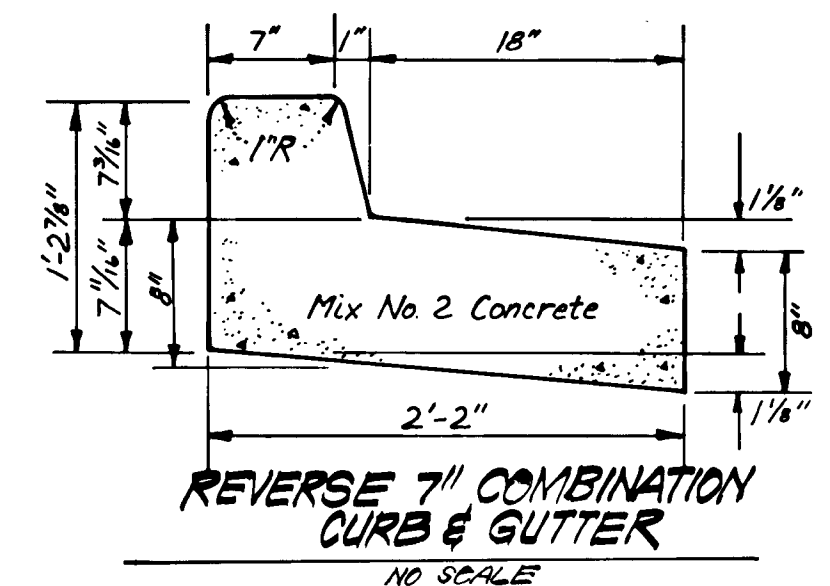


SODDED DITCH DETAIL
NO SCALE

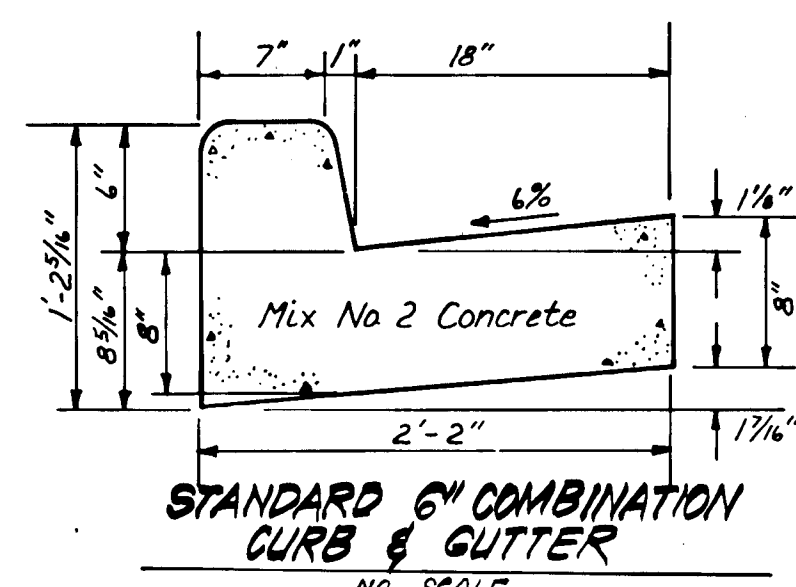
- GENERAL SODDING NOTES:**
1. Apply 10-10-10 Fertilizer @ 1000#/acre (25#/1000sf)
 2. Apply Ground Agricultural Limestone @ 2000#/acre (50#/1000sf)
 3. Incorporate both lime and fertilizer into soil by disking. Firm up after incorporation.
 4. Lay sod to a tight fit. Roll to insure contact with underlying soil. Water as necessary for 1st 2 weeks, in summer, to ensure establishment.
 5. All sod to be used must be certified by the state of Maryland.
 6. Sod to be pegged and stapled.



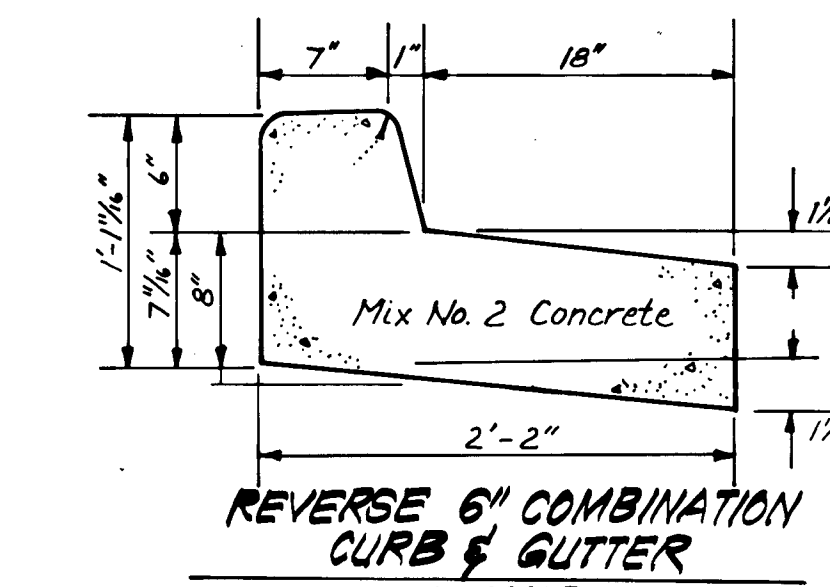
STANDARD 7" COMBINATION CURB & GUTTER
NO SCALE



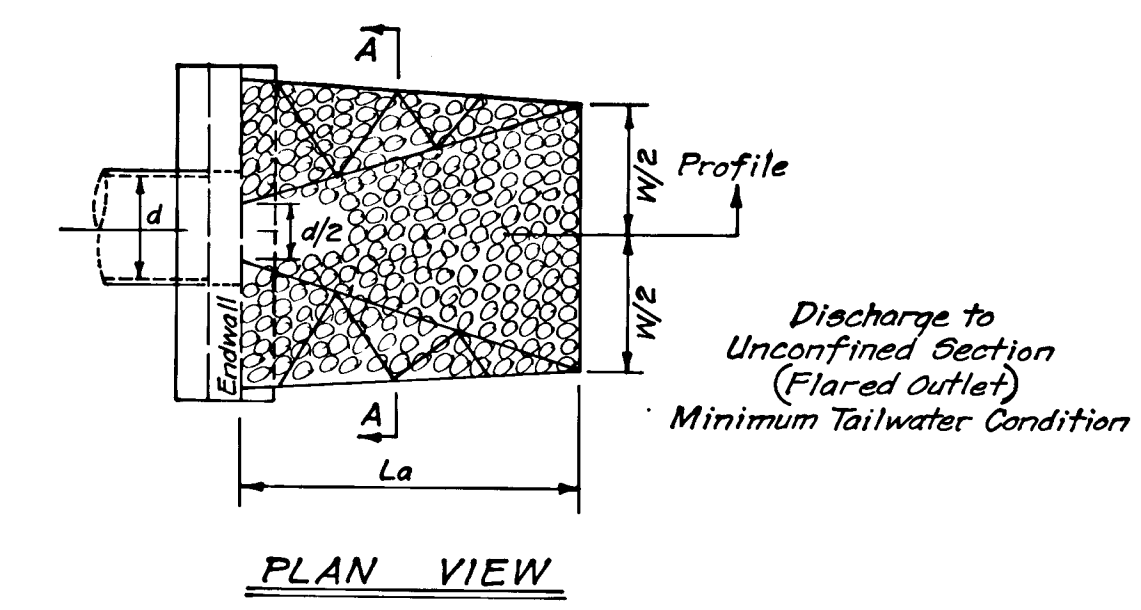
REVERSE 7" COMBINATION CURB & GUTTER
NO SCALE



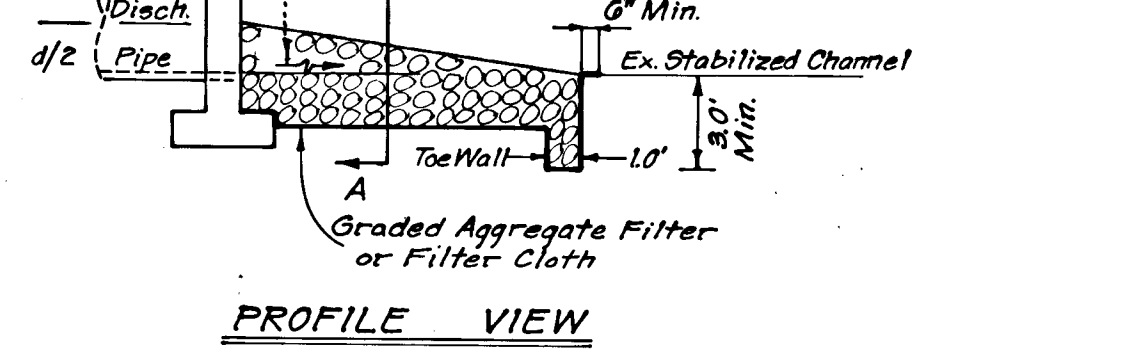
STANDARD 6" COMBINATION CURB & GUTTER
NO SCALE



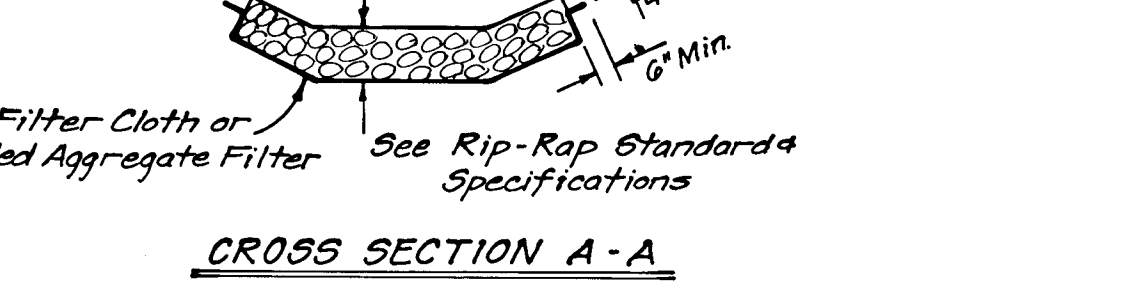
REVERSE 6" COMBINATION CURB & GUTTER
NO SCALE



PLAN VIEW

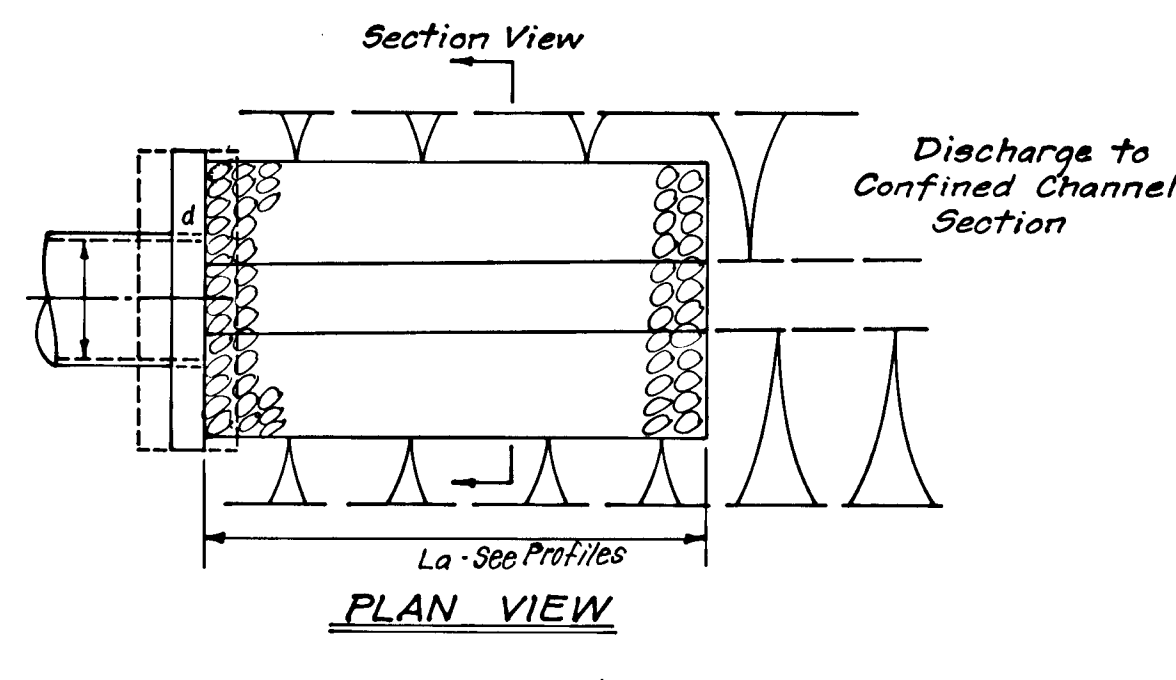


PROFILE VIEW

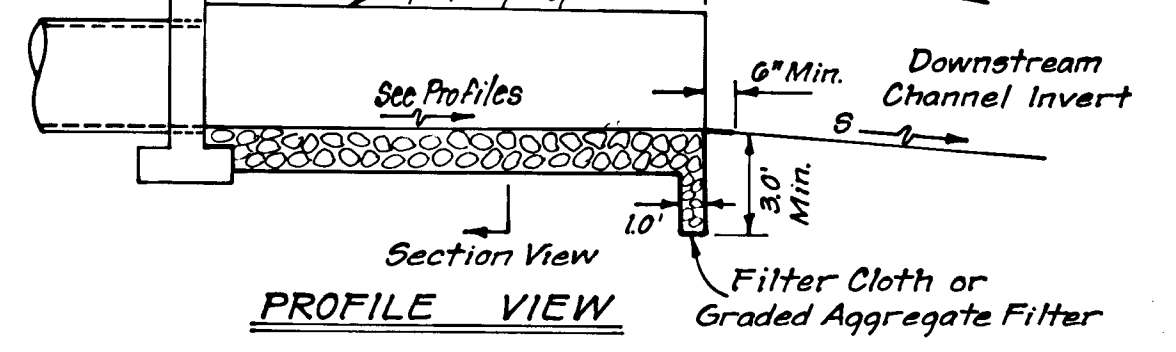


CROSS SECTION A-A

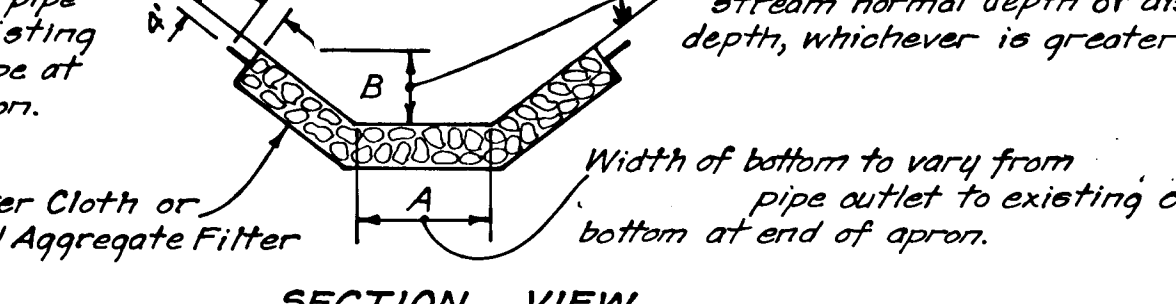
RIPRAP OUTLET PROTECTION I
NO SCALE



PLAN VIEW



PROFILE VIEW



SECTION VIEW

RIPRAP OUTLET PROTECTION II
NO SCALE

Bituminous Conc. Surface	1 1/2"
Bituminous Conc. Base	2 1/4"
Prime	8"
8" Crusher Run Base (Placed in 2 Courses)	8"
or	6"
6" Dense Graded Stabilized Aggregate Base Course	6"

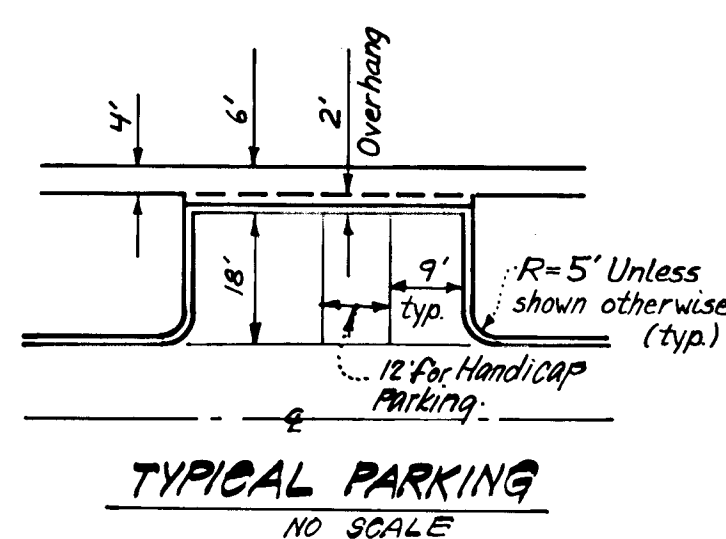
ALTERNATE PAVING SECTION FOR PUBLIC ROADS
NO SCALE

Bituminous Conc. Surface	1"
Bituminous Conc. Base	2"
Prime	5"
5" Crusher Run Base Course	5"
or	4"
4" Dense Graded Stabilized Aggregate Base Course	4"

ALTERNATE PAVING SECTION FOR PARKING AREAS
NO SCALE

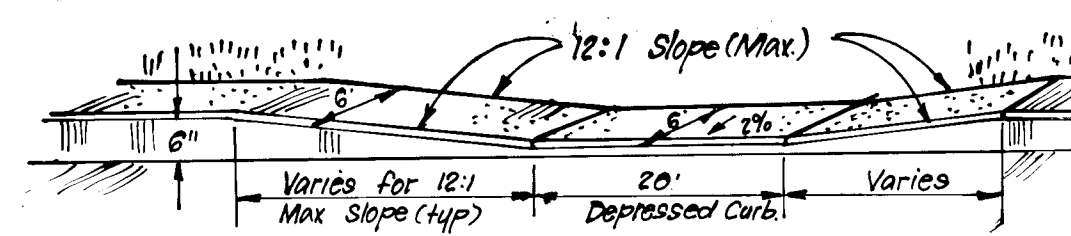
Bituminous Conc. Surface	1 1/2"
Bituminous Conc. Base	4 1/2"
Prime	6"
6" Crusher Run Base Course	6"
or	4 1/2"
4" Dense Graded Stabilized Aggregate Base Course	4 1/2"

ALTERNATE PAVING SECTION FOR MAJOR & MINOR COLLECTOR
NO SCALE

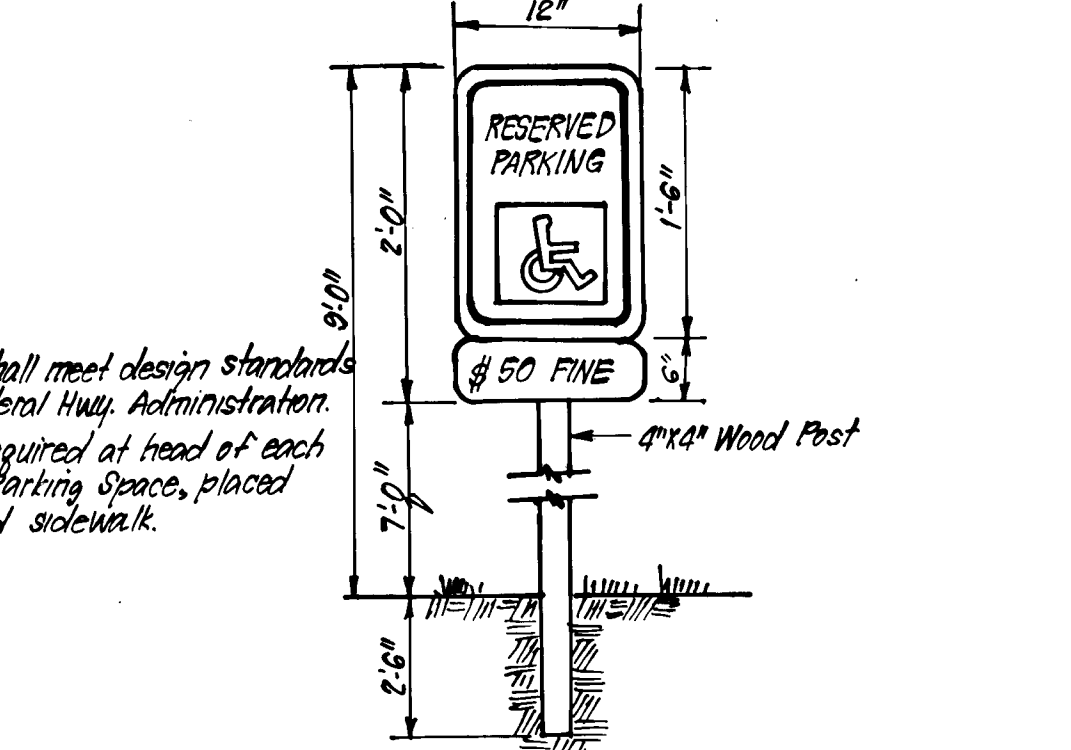


TYPICAL PARKING
NO SCALE

S-1	S-12
A 14" @ 36" BCCMP to 7" @ Ex. Stream	3'-0"
B 3'-6" Min. or to Top of Ex. Stream Banks	1'-6"



HANDICAP RAMP DETAIL
NO SCALE



HANDICAP PARKING SIGN DETAIL
NO SCALE

DEVELOPER'S/PLANNER'S CERTIFICATE

"I hereby certify that all development and construction will be in accordance with this plan and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources 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 or their authorized agents, as are deemed necessary."

Rockburn Properties, Ltd., G.P.
P. [Signature] U.P. 3/5/85 Date

Approved for: [Signature] 1/2/86 Date



APPROVED: DEPARTMENT OF PUBLIC WORKS

Chief, Bureau of Engineering. [Signature] 1-2-86 Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

[Signature] 1-2-86 Date

CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400

DESIGNED JLS
DRAWN KIW
CHECKED JLS
DATE 3-5-85

ROAD CONSTRUCTION PLANS PAVING & STORM DRAIN DETAILS
ROCKBURN COMMONS
SECTION TWO
181 ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR: ROCKBURN ASSOCIATES
802 Garrett Bldg.
Baltimore Md. 21202

SCALE: AS SHOWN
DRAWING: 4 OF 8
JOB NO.: BA-071
FILE NO.: BA-071-D

#1167

J. Nelson Clark 3-5-85 Date

STORM WATER MANAGEMENT POND NOTES

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 objectionable material shall be removed. Channel banks and sharp breaks shall be sloped no steeper than 1:1.
- Areas to be covered by pond or reservoir will be cleared of all trees, brush, logs, fences, rubbish and other objectionable material unless otherwise designated on the plans. Trees, brush, and stumps shall be cut approximately level with the ground surface.
- All cleared and grubbed material shall be disposed of outside and below the limits of the dam and reservoir as directed by the owner or his representative. When specified, a sufficient quantity of topsoil will be stockpiled in a suitable location for use on the embankment and other designated areas.

II. EARTH FILL

- MATERIAL:** The fill material shall be taken from approved designated borrow area or areas. It shall be free of roots, stumps, wood, rubbish, oversized stones, frozen or other objectionable materials. The embankment shall be constructed to an elevation which provides for anticipated settlement to the design elevation. The fill height all along the length of the embankment shall be increased above the design elevation (including freeboard) as shown on the plans.
- PLACEMENT:** Areas on which fill is to be placed shall be scarified prior to placement of fill. Fill materials shall be placed in 8-inch maximum thickness (before compaction) layers which are to be continuous over the entire length of the fill. The most porous borrow material shall be placed in the downstream portions of the embankment.
- COMPACTION:** The movement of the hauling and spreading equipment over the fill shall be controlled so that the entire surface of each lift shall be traversed by not less than one tread track of the equipment or compaction shall be achieved by a minimum of four complete passes of a sheepsfoot, rubber tired, or vibratory roller. Fill material shall contain sufficient moisture so that the required degree of compaction can be obtained with the equipment used. Where a minimum required density is specified, each layer of fill shall be compacted as necessary to obtain that density and is to be certified by the Engineer.
- CUTOFF TRENCH:** Where specified, a cutoff trench shall be excavated along or parallel to the centerline of the embankment as shown on the plans. The bottom width of the trench shall be as shown on the drawings, with the minimum width being four feet. The depth shall be at least four feet or as shown on the plans. The side slopes of the trench shall be 1 to 1 or flatter. The backfill material for the cutoff trench shall be the most impervious material available and shall be compacted with equipment or rollers to assure maximum density and minimum permeability.

III. 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 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. At no time during the backfilling operation shall be driven equipment be allowed to operate closer than four feet, measured horizontally, to any part of the structure. Under no circumstances shall equipment be driven over any part of a concrete structure or pipe unless there is a compacted fill of twenty-four inches or greater over the structure or pipe.

IV. PIPE CONDUITS: (All pipes shall be circular in cross-section)

A. CORRUGATED METAL PIPE

- MATERIALS (Steel Pipe):** This pipe and its appurtenances shall be galvanized and fully bituminous coated and shall conform to the requirements of AASHTO Specifications M-190 Type A with watertight coupling bands. Any bituminous coating damaged or otherwise removed shall be replaced with cold applied bituminous coating compound. Steel pipes with polymeric coatings shall have a minimum coating thickness of 0.01 inch (0.01 mil) on both sides of the pipe. The following coatings are commercially available: Nexon, Plasti-Cote, Bloc-Klad and Beth-Cu-Loy Coated corrugated steel pipe shall meet the requirements of AASHTO M-245 and M-246.
- MATERIALS (Aluminized Steel Pipe):** This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-274-791 with watertight coupling bands or flanges.
- MATERIALS (Aluminum Pipe):** This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-136 or M-211 with watertight coupling bands or flanges. Coupling bands, anti-seep collars, end sections, etc. must be composed of the same material as the pipe. Metals must be insulated from dissimilar materials with use of rubber or plastic insulating materials at least 24 mils in thickness. Aluminum surfaces that are to be in contact with concrete shall be painted with one coat of Zinc Chromate Primer. Hot dip galvanized bolts may be used for connections. The pH of the surrounding soils shall be less than 9 and greater than 4.
- CONNECTIONS:** All connections with pipes must be completely watertight. The drain pipe or barrel connection to the riser shall be welded all around when the pipe and riser are metal. Watertight coupling bands or flanges shall be used at all joints. Anti-seep collars shall be connected to the pipe in such a manner as to be completely watertight. Dimple bands are not considered to be watertight.
- BEDDING:** The pipe shall be firmly and uniformly bedded throughout its entire length. Where rock or soft, spongy or other unstable soil is encountered, all such material shall be removed and replaced with suitable earth compacted to provide adequate support.
- LAYING PIPE:** The pipe shall be placed with inside circumferential laps pointing downstream and with the longitudinal laps at the sides.
- Backfilling shall conform to structural backfill as shown above.
- Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings.

B. REINFORCED CONCRETE PIPE

- MATERIALS:** Reinforced concrete pipe shall have a rubber gasket joint and shall equal or exceed ASTM Specification C-361. An approved equivalent is AWWA Specification C-301.
- BEDDING:** All reinforced concrete pipe conduits shall be laid in a concrete bedding for their entire length. This bedding shall consist of high slump concrete placed under the pipe and up the sides of the pipe at least 10% of its outside diameter with a minimum thickness of 3" or as shown on the drawings.
- LAYING PIPE:** Bell and spigot pipe shall be placed with the bell end upstream. Joints shall be made in accordance with recommendations of the manufacturer of the material. After the joints are sealed for the entire line, the bedding shall be placed so that all spaces under the pipe are filled. Care shall be exercised to prevent any deviation from the original line and grade of the pipe.
- Backfilling shall conform to structural backfill as shown above.
- Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings.

V. CONCRETE

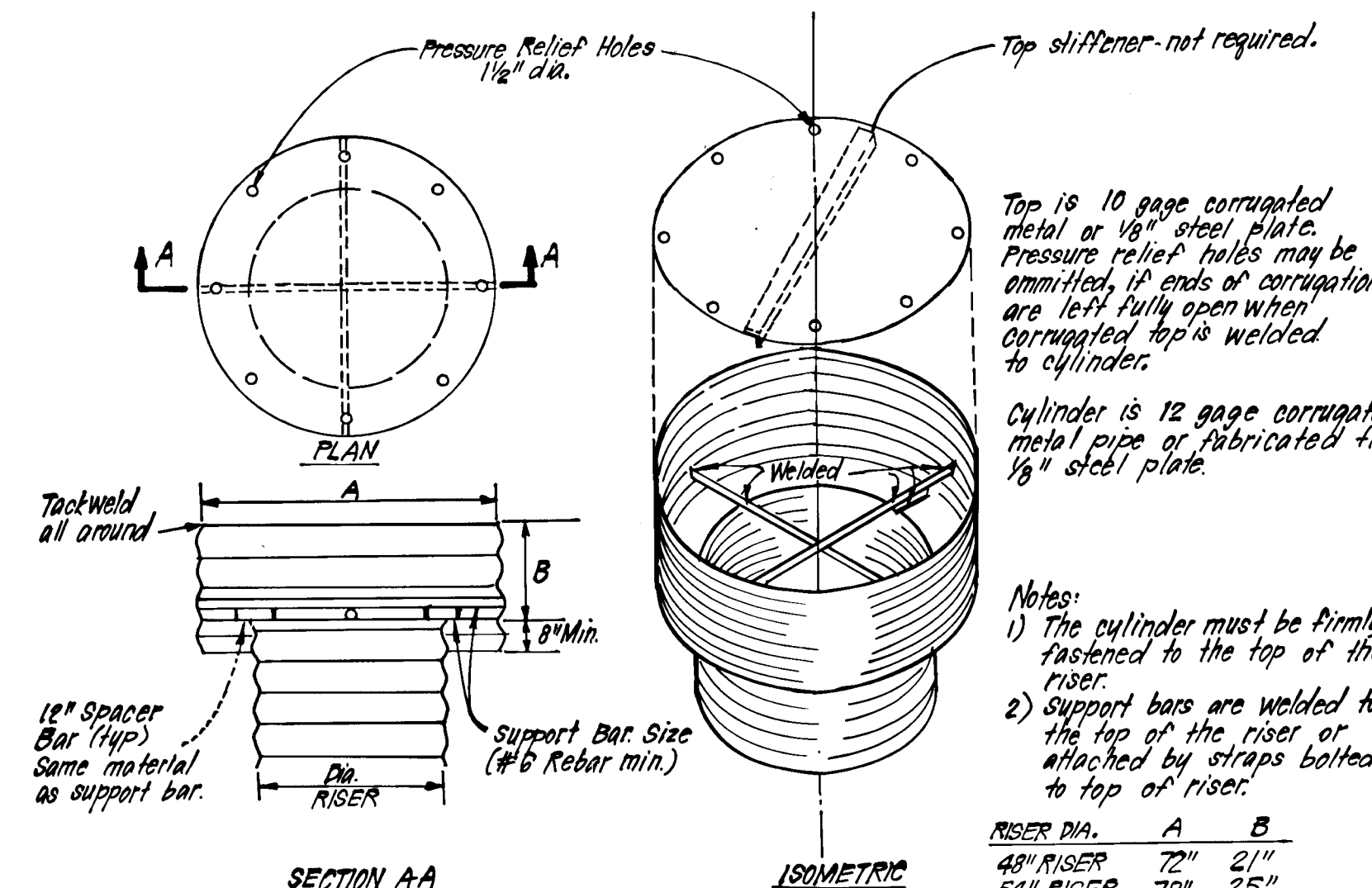
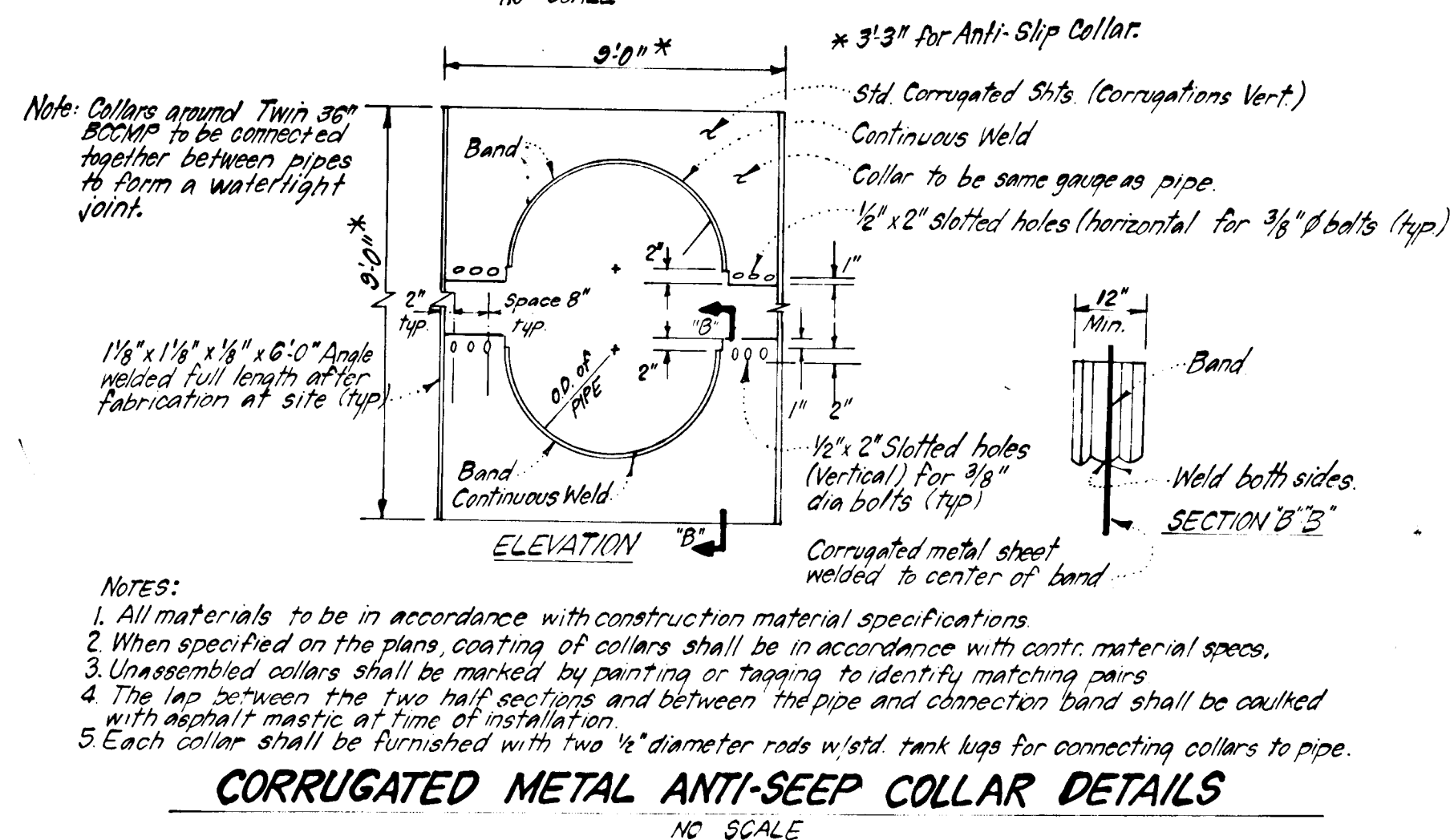
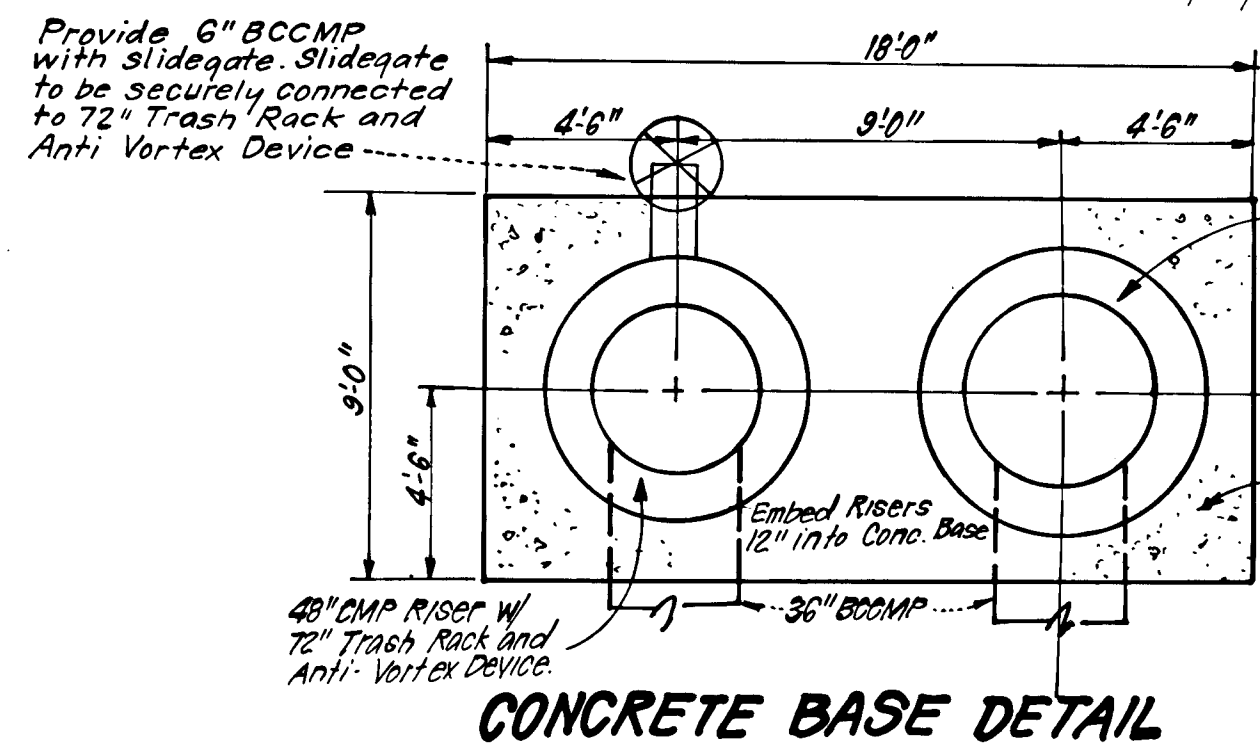
- MATERIALS**
 - CEMENT:** Normal Port land cement shall conform to latest ASTM Specification C-150.
 - WATER:** The water used in concrete shall be clean, free from oil, acid, alkali, scales, organic matter or other objectionable substances.
 - SAND:** The sand used in concrete shall be clean, hard, strong and durable, and shall be well graded with 100% passing a one quarter inch sieve. Limestone sand shall not be used.
 - COARSE AGGREGATE:** The coarse aggregate shall be clean, hard, strong and durable, and free from clay and dirt. It shall be well graded with a maximum size of one and one-half (1 1/2) inches.
 - REINFORCING STEEL:** The reinforcing steel shall be deformed bars of intermediate grade billet steel or rail steel conforming to ASTM Specification A-615.
- DESIGN MIX:** The concrete shall be mixed in the following proportions, measured by weight. The water-cement ratio shall be 5 1/2 to 6 U.S. Gals. of water per 94-pound bag of cement. The proportion of materials for the trial mix shall be 1:2:3 1/2. The combination of the aggregates may be adjusted to produce a plastic and workable mix that will not produce harshness in placing or honeycombing in the structure.
- MIXING:** The concrete ingredients shall be mixed in batch mixers until the mixture is homogeneous and of uniform consistency. The mixing of each batch shall continue for not less than one and one-half minutes after all the ingredients, except the full amount of water, are in the mixer. The minimum mixing time is predicted on proper control of the speed of rotation of the mixture and on the construction of the materials including water, into the mixer. Water shall be added prior to, during, and following the mixer-charging operations. Excessive overmixing requiring the addition of water to preserve concrete consistency shall not be permitted. Truck mixing will be allowed provided that the use of this method shall cause no violation of any applicable provisions of the specifications given here.
- FORMS:** The forms shall have sufficient strength and rigidity to hold the concrete and to withstand the necessary pressure, tamping and vibration without deflection from the prescribed lines. They should be mortar-tight and constructed so they can be removed without hammering or prying against the concrete. The inside of the forms will be oiled with a non staining mineral oil or thoroughly wetted before concrete is placed. Forms may be removed 24 hours after the placement of concrete. All wire ties and other devices used shall be recessed from the surface of the concrete.
- REINFORCING STEEL:** All reinforcing material shall be free of dirt, rust, scale, oil, paint or any other coatings. The steel shall be accurately placed and securely tied and blocked into position so that no movement of the steel will occur during placement of concrete.
- CONSOLIDATION:** Concrete shall be consolidated with internal type mechanical vibrators. Vibration shall be supplemented by spading and hand tamping as necessary to insure smooth and dense concrete along form surfaces in corners, and around embedded items.
- FINISHING:** Defective concrete, honey combed areas, voids left by removal of tie rods, ridges on all concrete surfaces permanently exposed to view or exposed to water on the finished structure, shall be repaired immediately after the removal of forms. All voids shall be reamed and completely filled with dry patching mortar.
- PROTECTION AND CURING:** Exposed surfaces of concrete shall be protected from the direct rays of the sun for at least three (3) days. All concrete shall be kept continuously moist for at least ten (10) days after being placed. Moisture may be applied by spraying or sprinkling as necessary to prevent the concrete from drying. Concrete shall not be exposed to freezing during the curing period. Curing compound may also be used.
- PLACING TEMPERATURE:** Concrete may not be placed at temperature below 37°F with the temperature falling, or 34°F with the temperature rising.

VI. STABILIZATION

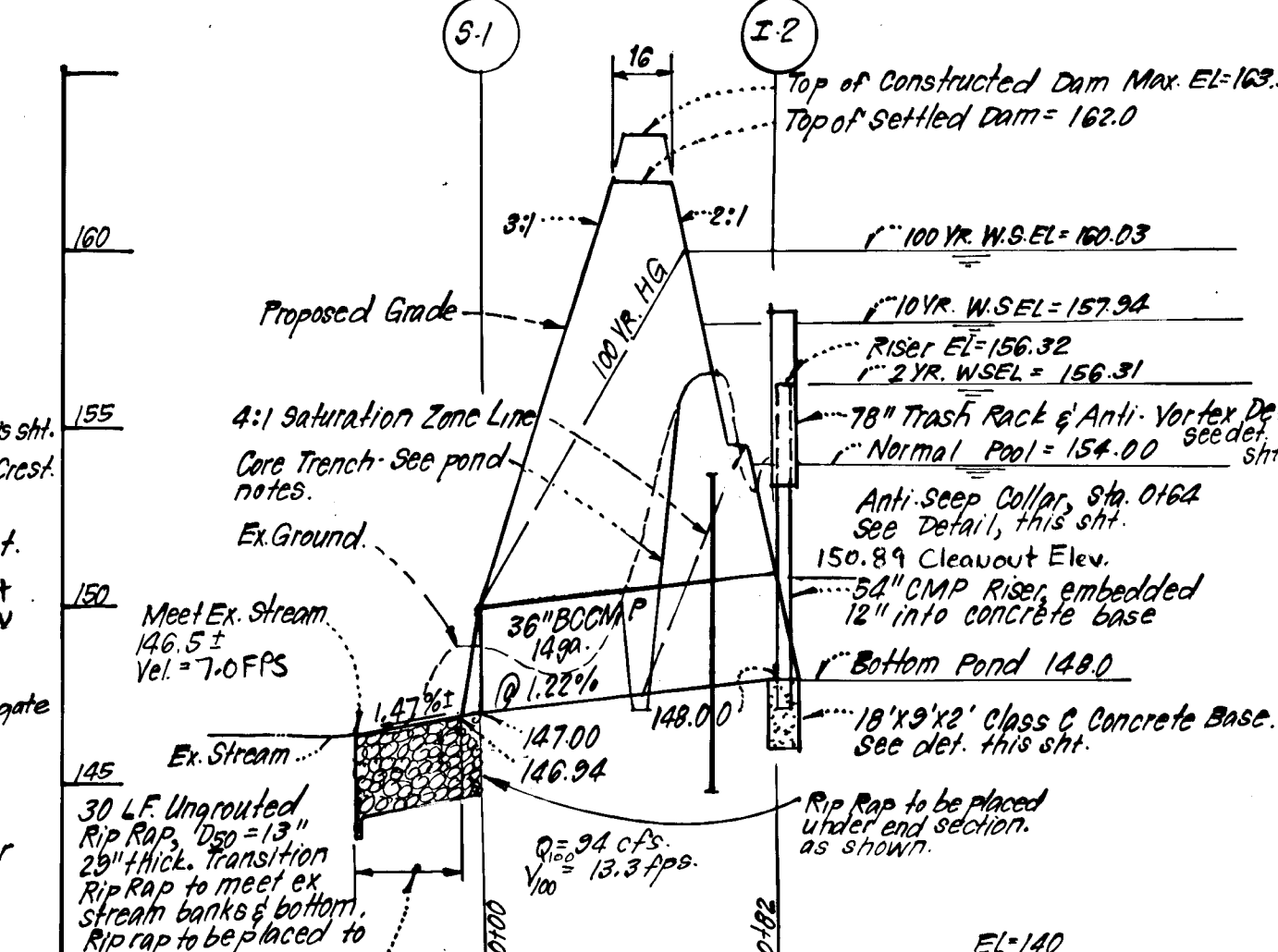
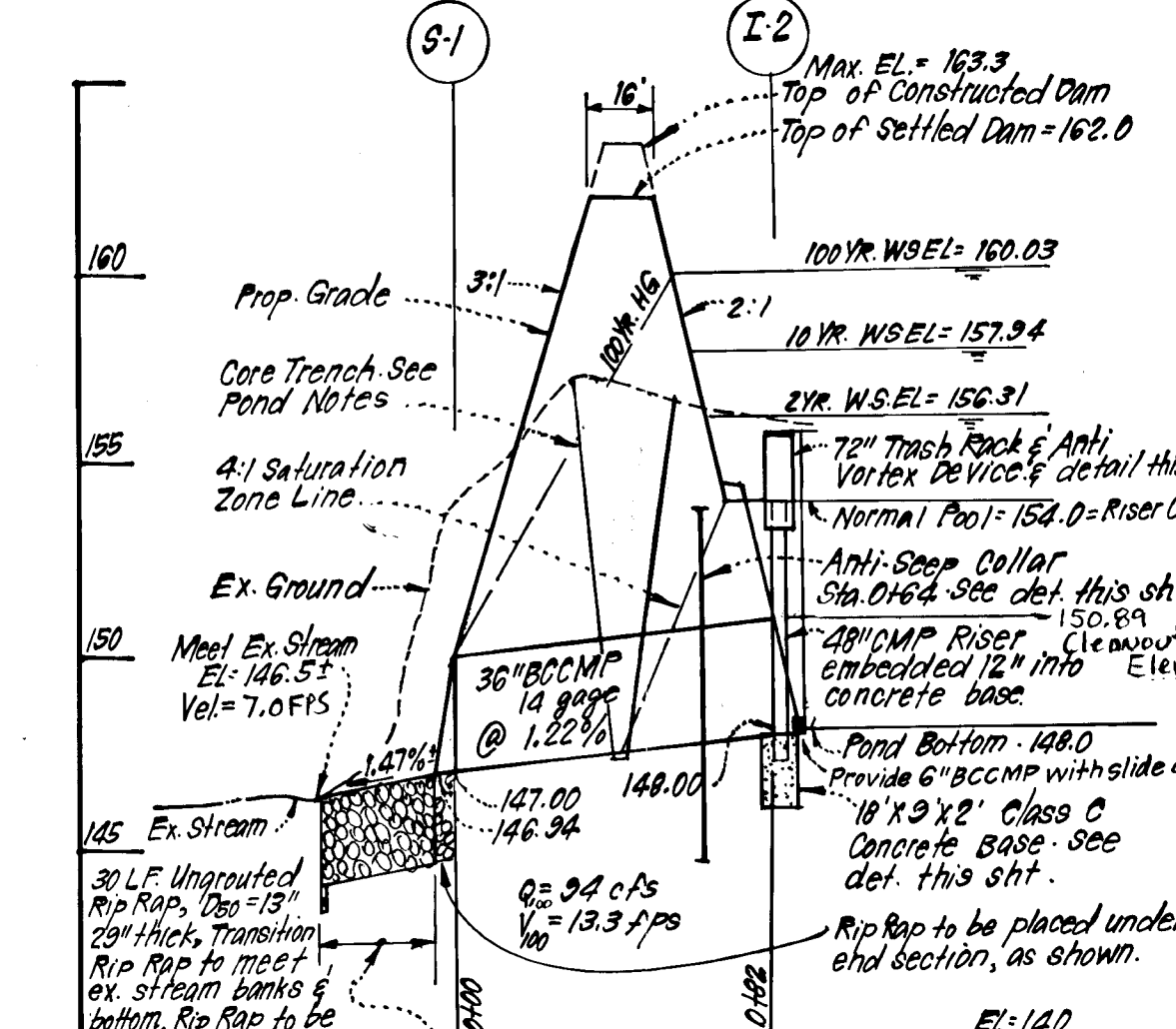
All borrow areas shall be graded to provide drainage and left in a slightly condition. All exposed surfaces of the embankment, spillway, spoil and borrow areas, and berms shall be stabilized by seeding, liming, fertilizing, and mulching (if required) in accordance with the vegetative treatment specifications or as shown on the accompanying drawings.

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.



NOTE: 6" BCCMP to be extended beyond the intersection of the slope with the pond bottom.



These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.

Approved: *Robert J. Zehm* 1/2/86
Howard S.C.D. DPE

NO	REVISION	DATE
1	Added 6" BCCMP Slide Gate to 48" BCCMP Riser	4-22-86

DEVELOPER'S CERTIFICATE

"I certify that all development and/or construction will be done according to these plans of development, pond construction and erosion and sediment control. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary. Deviation from this plan will not be made unless authorized by The Howard Soil Conservation District. I will provide the Howard Soil Conservation District with a red-lined "as built" of the pond within 30 days of completion."

Robert J. Zehm 1/2/86
Signature of Developer Date

ENGINEER'S CERTIFICATE

"I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he must provide the Howard Soil Conservation District with a red-lined "as built" of the pond within 30 days of completion."

Robert J. Zehm 3-5-85
Signature of Engineer Date



These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.

Robert J. Zehm 1/2/86
U.S. Soil Conservation Service Date

APPROVED: DEPARTMENT OF PUBLIC WORKS

Robert J. Zehm 1-2-86
Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

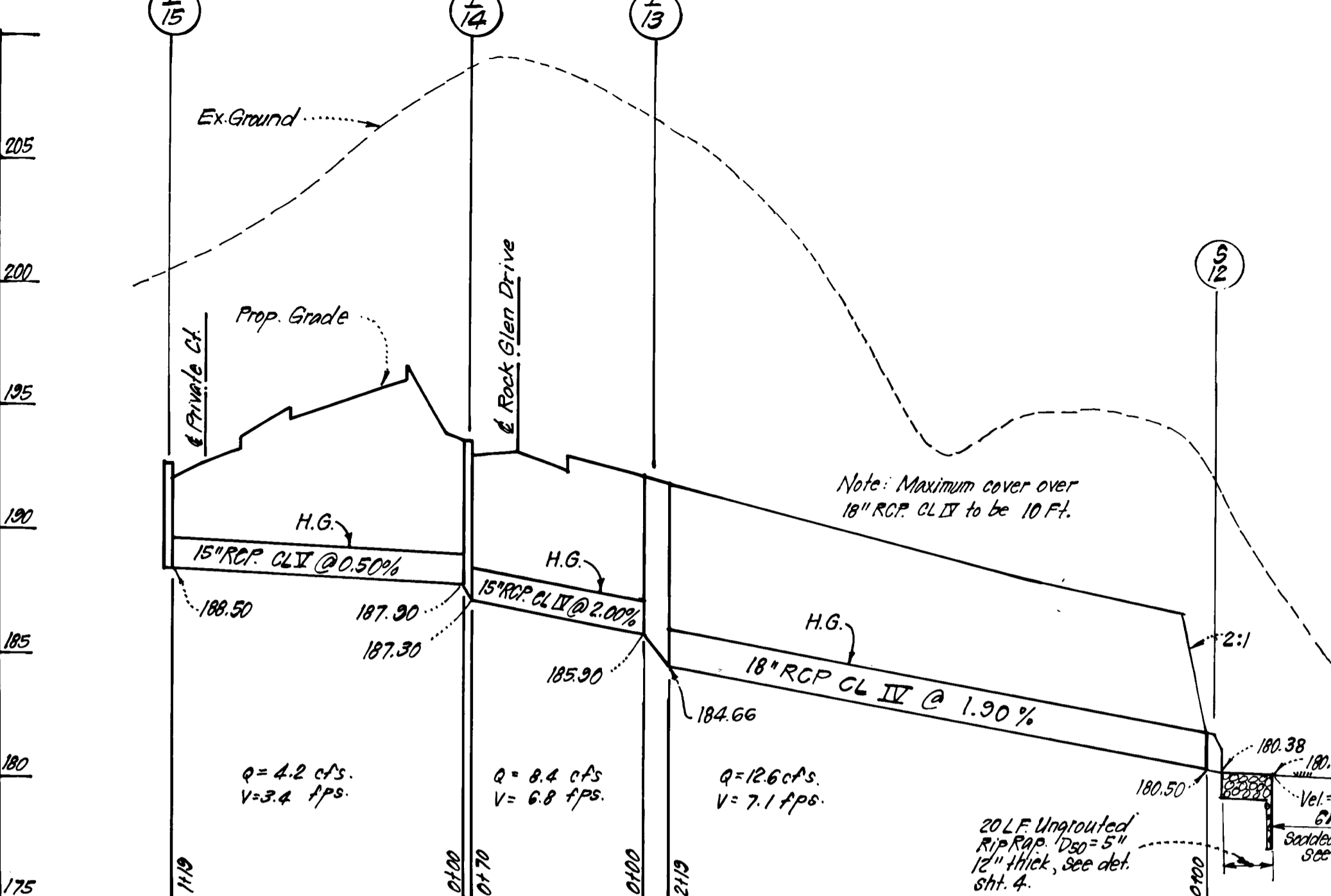
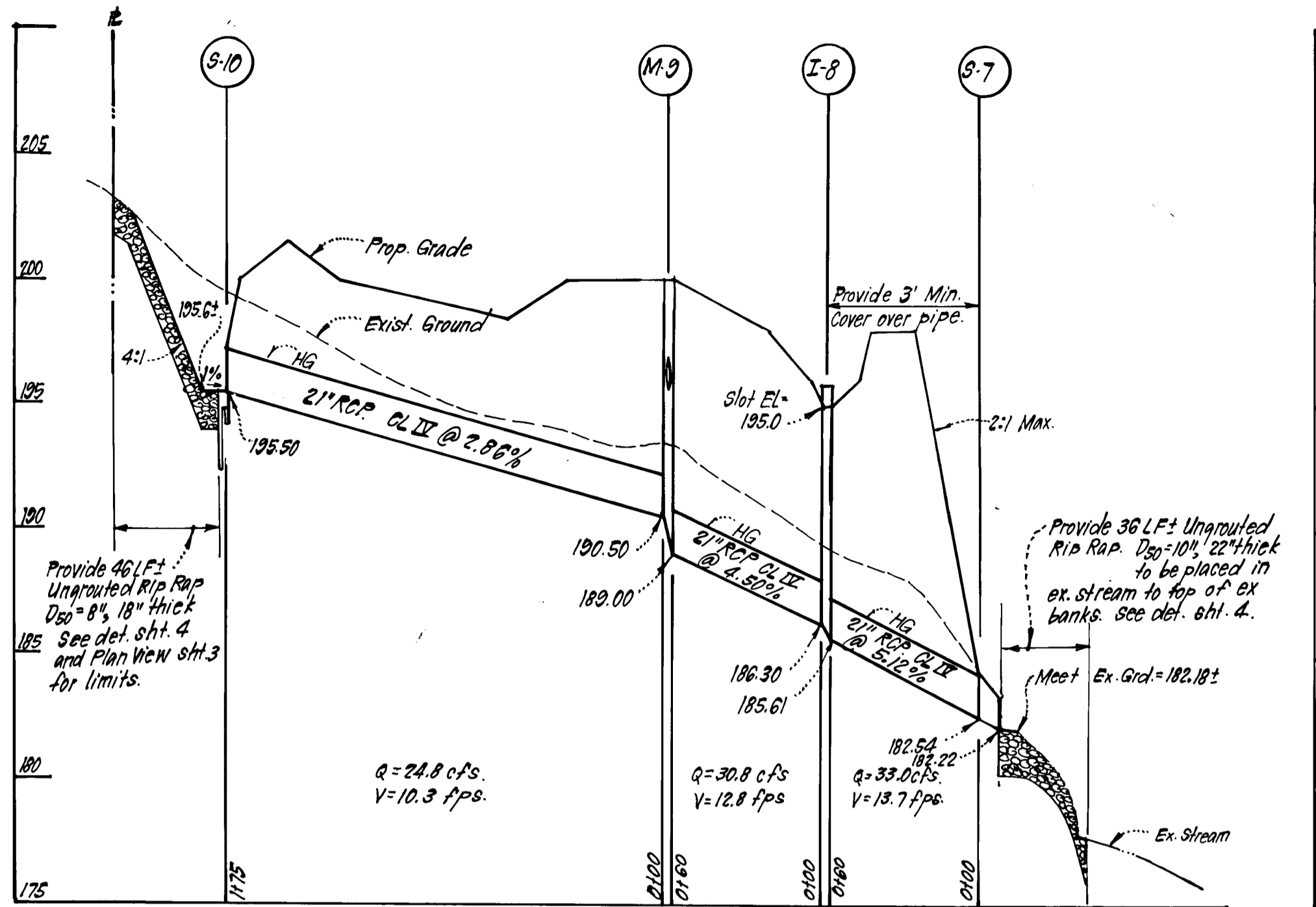
Robert J. Zehm 1-2-86
Date

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11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 (301) 593-3400

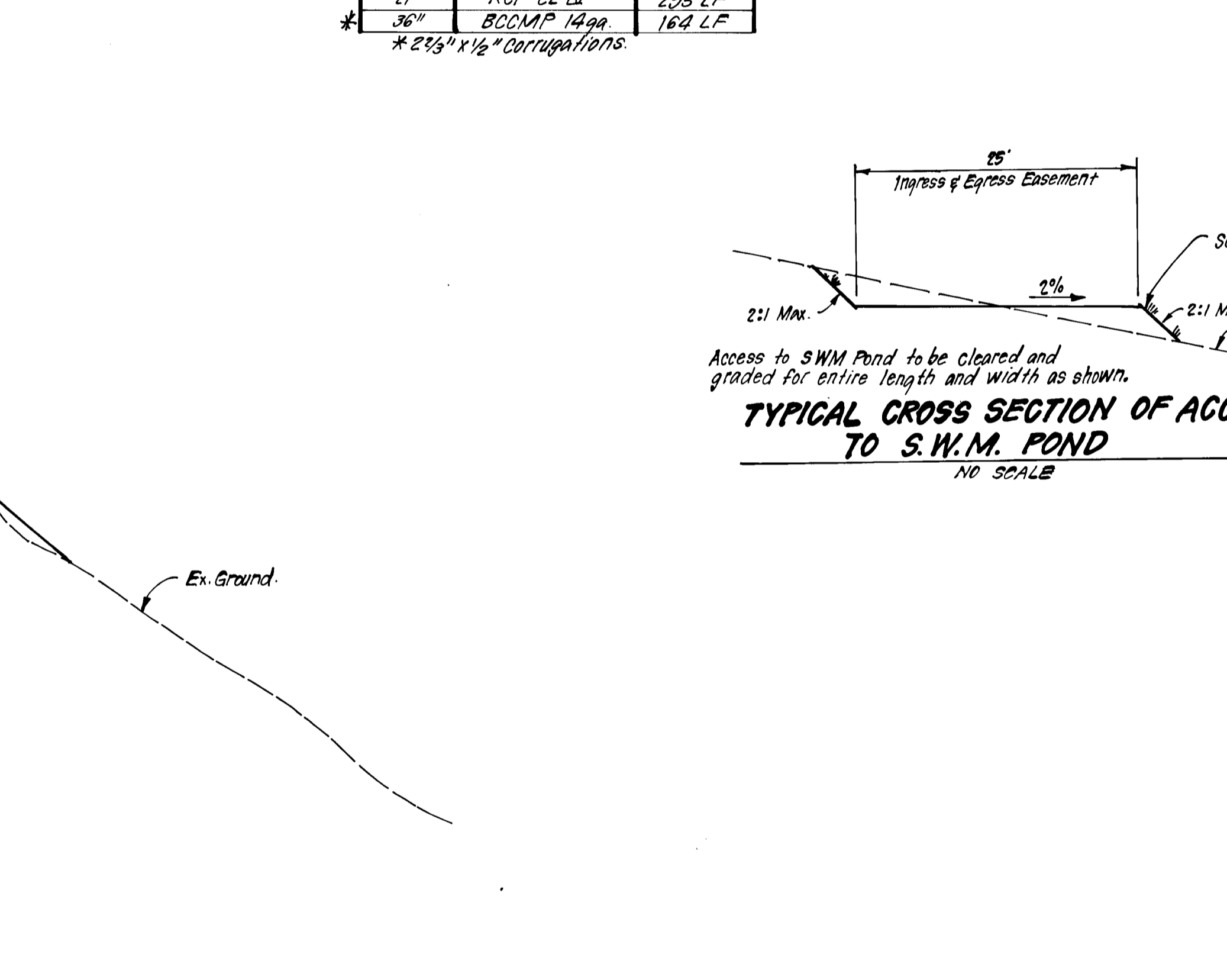
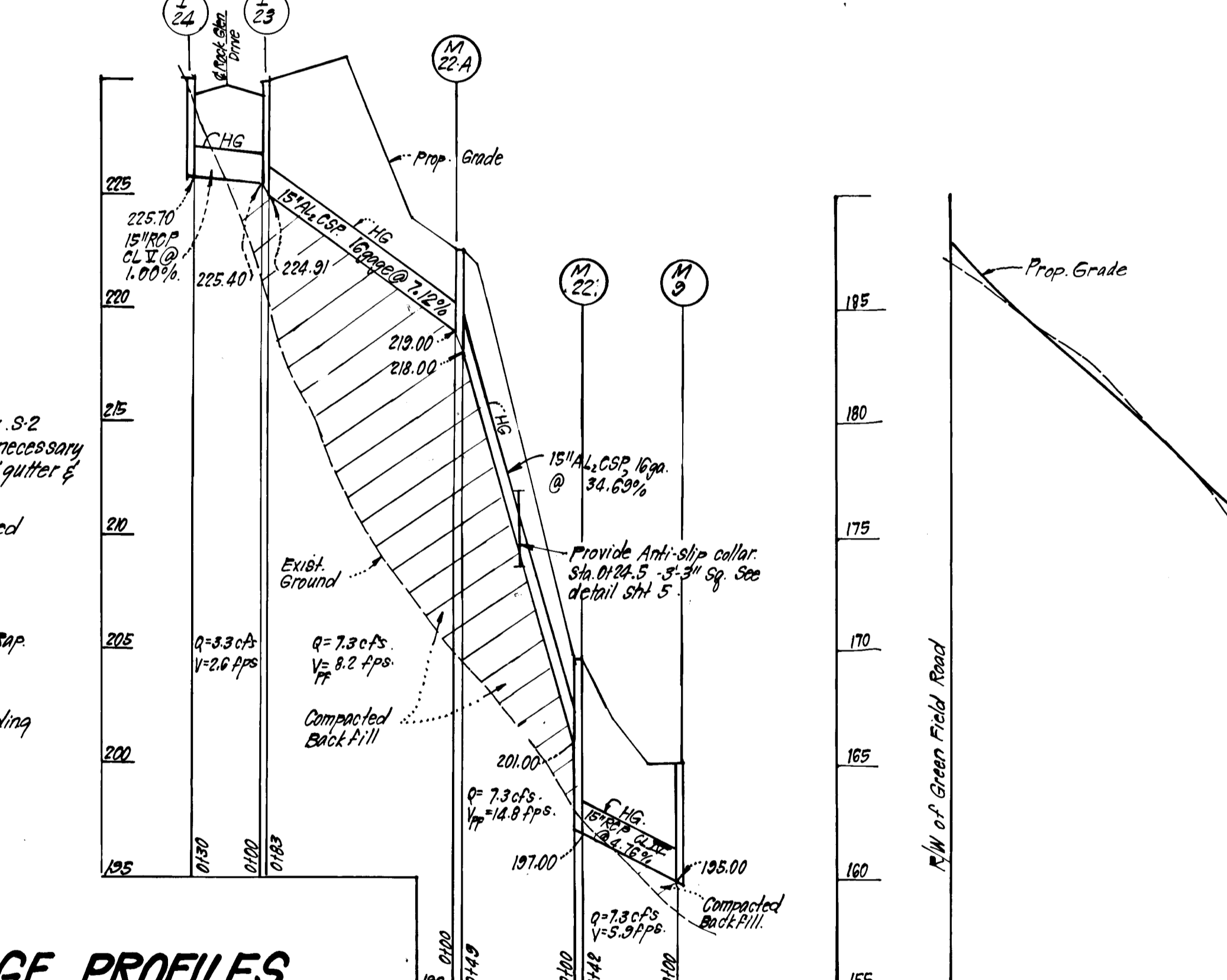
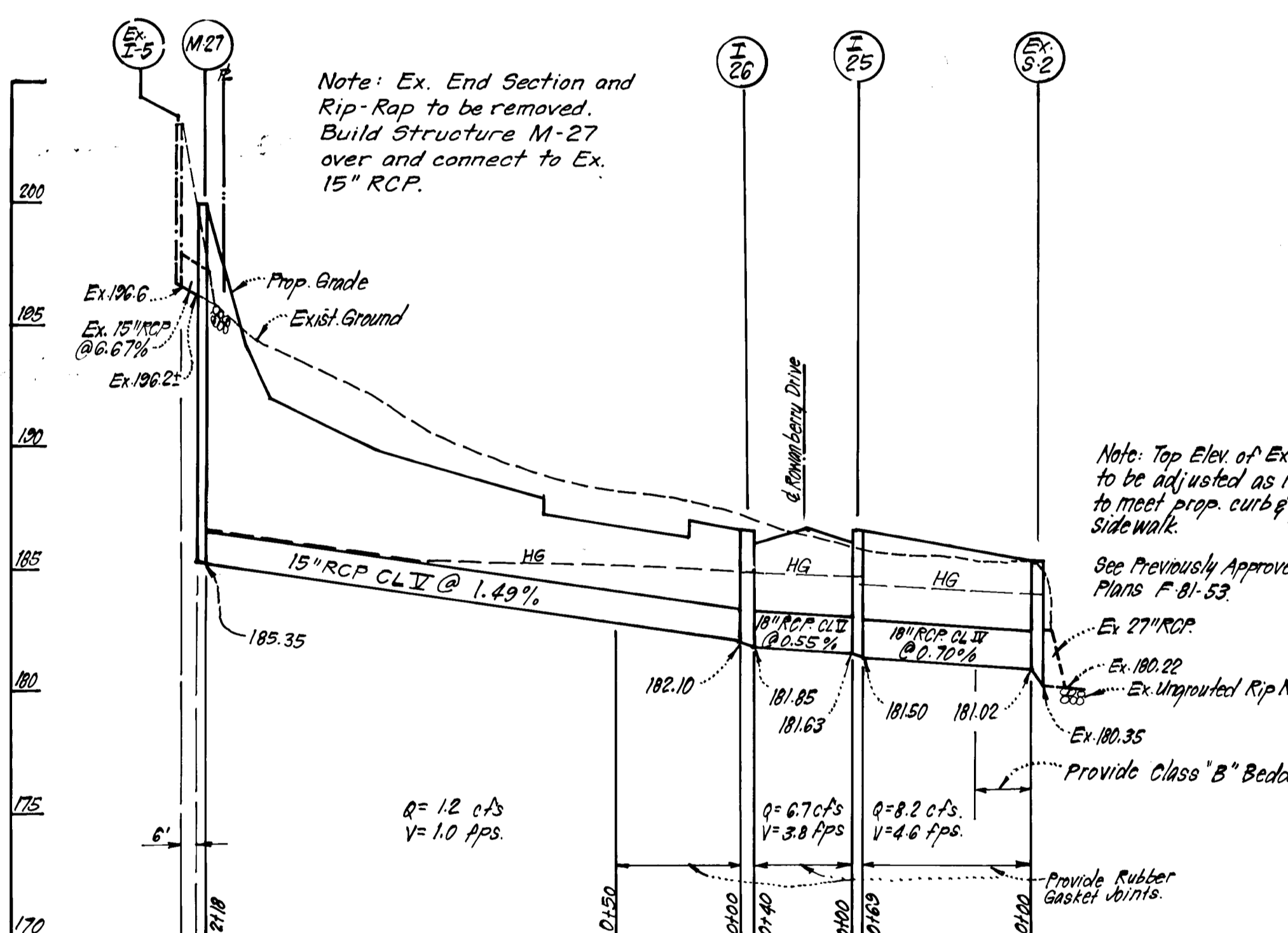
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CHECKED	JOB NO.
JLS	84-071
DATE	FILE NO.
3-5-85	84-071-D

FOR: ROCKBURN ASSOCIATES
802 Garrett Bldg.
Baltimore, Md 21202



No.	TYPE	INV. IN	INV. OUT	TOP ELEVATION		REMARKS	LOCATION
				UPPER	LOWER		
S-1	Metal End Sect.	147.0	146.94	-	-	Ho. Co. Std. SD 5.01 36" Dia.	See Plan
I-2	Special	-	-	-	-	See Detail and Profile	See Plan
S-7	Concrete End Sect.	182.54	182.22	-	-	Ho. Co. Std. SD 5.51 21" Dia.	See Plan
I-8	10" Inlet	189.30	185.01	-	195.83	Ho. Co. Std. SD 4.11 4" Sq.	See Plan
M-9	Brick Manhole	195.51/195.0	195.50	200.00	-	Ho. Co. Std. G 5.01 48" Rd.	See Plan
S-10	A Endwall	195.50	195.50	-	-	Ho. Co. Std. SD 5.11 21" Dia.	See Plan
S-12	Conc. End Section	180.50	180.38	-	-	Ho. Co. Std. SD 5.51 18" Dia.	See Plan
I-13	A-10 Inlet	185.90	184.66	192.19	191.90	Ho. Co. Std. SD 4.02 W=2'-G"	Inlet Sta. 4+18.51 GFR 19' Lt.
I-14	A-10 Inlet w/ Def	187.90	187.30	193.91	193.47	Ho. Co. Std. SD 4.02 W=2'-G"	Inlet Sta. 0+53.88 RGD 14' Lt.
I-15	A-10 Inlet w/ Def	-	188.50	192.89	192.45	Ho. Co. Std. SD 4.02 W=2'-G"	Inlet Sta. 0+48.96 Priv. Ct. 12' Lt.
M-22	Brick Manhole	201.0	197.0	204.50	-	Ho. Co. Std. G 5.01 48" Rd.	See Plan
M-22A	Shallow Brick MH	219.0	218.0	222.50	-	Ho. Co. Std. G 5.05 48" Sq.	See Plan
I-23	A-10 Inlet	225.40	224.91	229.95	229.75	Ho. Co. Std. SD 4.02 W=2'-G"	Inlet Sta. 5+98.66 GRD 14' Rt.
I-24	A-10 Inlet	-	225.70	229.95	229.75	" " " " " " " " " "	" " " " " " " " " "
I-25	A-5 Inlet	181.03	181.5	186.75	186.98	Ho. Co. Std. SD 4.01 W=2'-G"	Inlet Sta. 17+07.98 RD 19' Rt.
I-26	A-10 Inlet	182.10	181.85	186.78	186.65	Ho. Co. Std. SD 4.02 W=2'-G"	" " " " " " " " " "
M-27	Brick Manhole	Ex. 196.22	185.35	200.00	-	Ho. Co. Std. G 5.01 48" Rd.	See Plan

SIZE	TYPE	LENGTH
15"	RCP CL II	367 LF
15"	RCP CL IV	112 LF
15"	AL CSP 16ga	132 LF
18"	RCP CL III	288 LF
18"	RCP CL V	40 LF
21"	RCP CL III	225 LF
36"	BCCMP 14ga	164 LF



STORM DRAINAGE PROFILES
 SCALES: HORIZ: 1"=50'
 VERT: 1"=5'

PROFILE OF ACCESS TO S.W.M. POND
 SCALE: HORIZ: 1"=50'
 VERT: 1"=5'

Reviewed for: **HOWARD S.C.D.**
 and meets Technical Requirements
 Name: **Robert D. Zecher**
 Signature: *[Signature]*
 Date: **12/86**
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

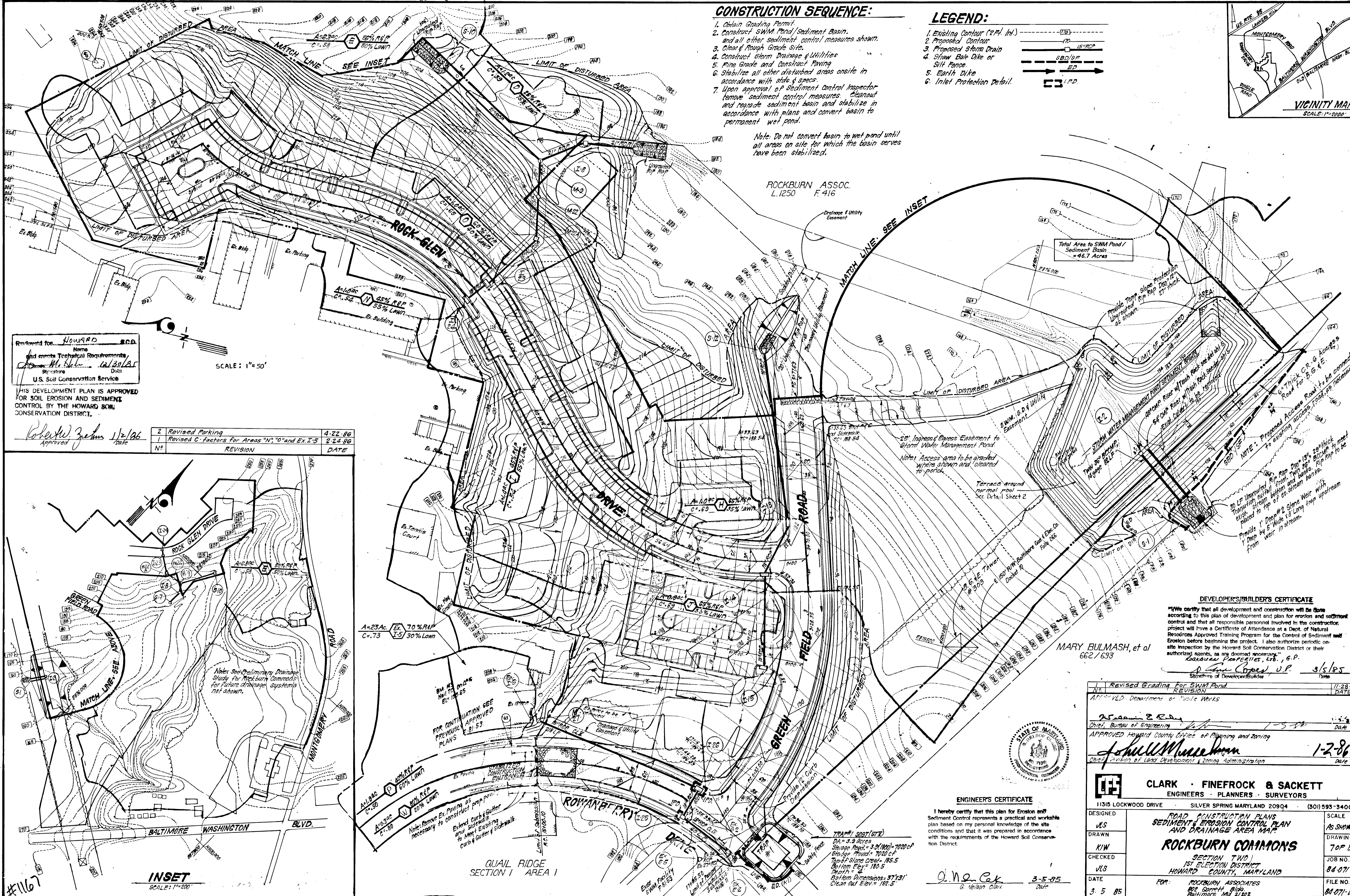
DEVELOPER'S/BUILDER'S CERTIFICATE
 "I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources 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 or their authorized agents as are deemed necessary."
 Name: **Robert D. Zecher, U.P.**
 Signature: *[Signature]*
 Title: **Structure of Developer/Builder**
 Date: **12/86**

ENGINEER'S CERTIFICATE
 I hereby 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: *[Signature]*
 Name: **Robert D. Zecher**
 Title: **3-5-85**
 Date: **3-5-85**



APPROVED: DEPARTMENT OF PUBLIC WORKS
 Chief, Bureau of Engineering
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 Chief, Division of Land Development & Zoning Administration
CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400
ROAD CONSTRUCTION PLANS
STORM DRAINAGE PROFILES
ROCKBURN COMMONS
SECTION TWO
1ST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
 FOR: **ROCKBURN ASSOCIATES**
 802 Garrett Bldg.
 Baltimore, Md. 21202
 SCALE: **AS SHOWN**
 DRAWING: **G OF 8**
 CHECKED: **JLS**
 DATE: **3-5-85**
 JOB NO.: **84-071**
 FILE NO.: **84-071-D**

#1167



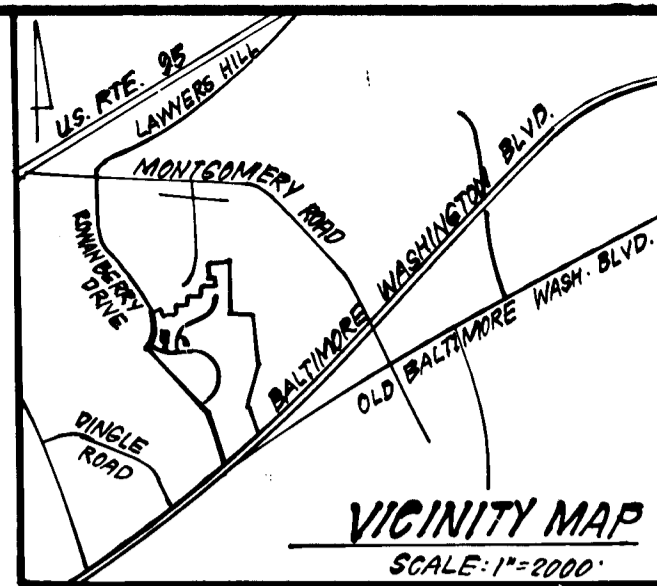
CONSTRUCTION SEQUENCE:

1. Obtain Grading Permit
2. Construct SWM Pond/Sediment Basin, and all other sediment control measures shown.
3. Clear & Rough Grade Site.
4. Construct Storm Drainage & Utilities
5. Fine Grade and Construct Paving
6. Stabilize all other disturbed areas onsite in accordance with state & specs.
7. Upon approval of Sediment Control Inspector remove sediment control measures, clearout and regrade sediment basin and stabilize in accordance with plans and convert basin to permanent wet pond.

Note: Do not convert basin to wet pond until all areas on site for which the basin serves have been stabilized.

LEGEND:

1. Existing Contour (2' H. Int.)
2. Proposed Contour
3. Proposed Storm Drain
4. Straw Bale Dike or Silt Fence
5. Earth Dike
6. Inlet Protection Detail



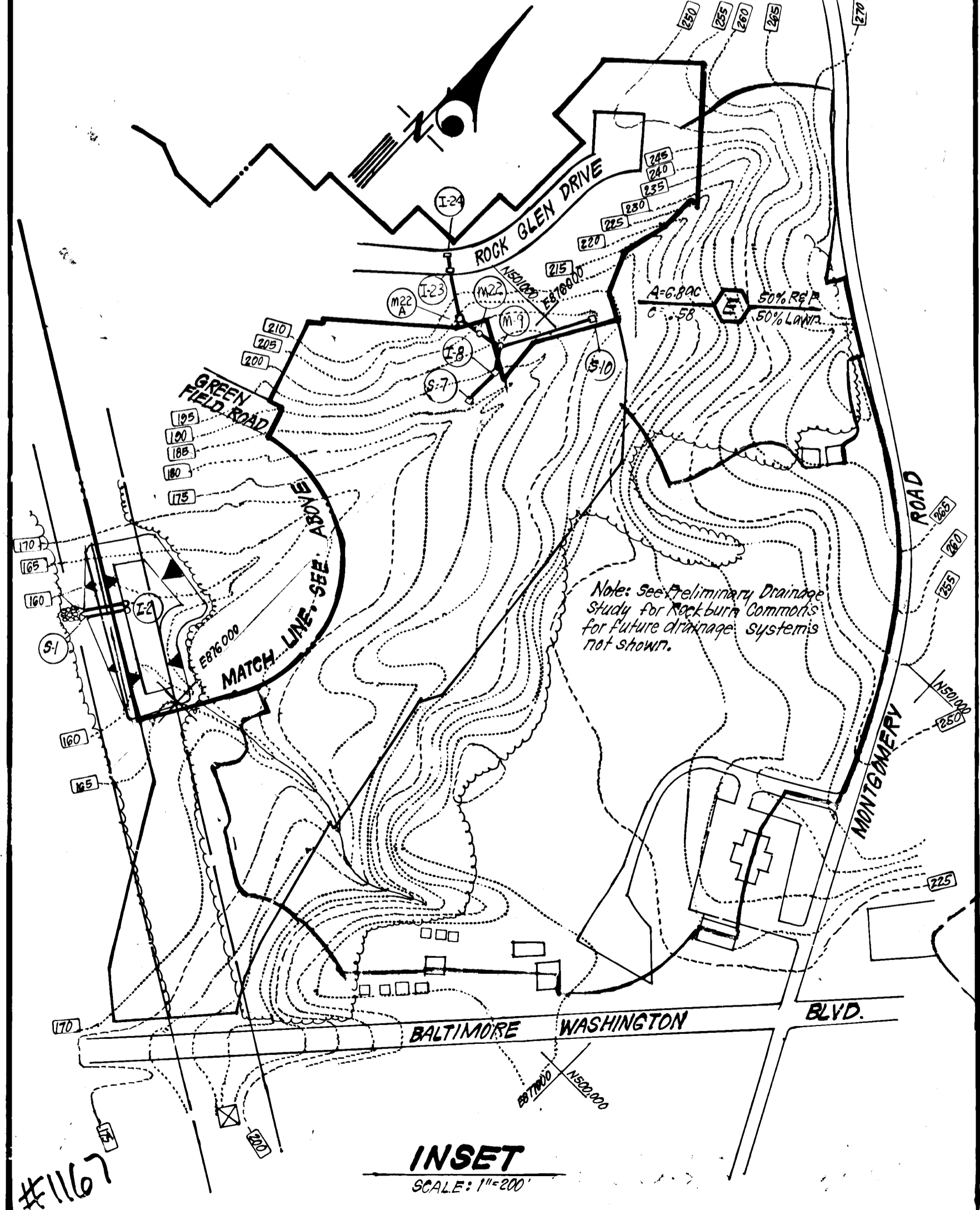
ROCKBURN ASSOC.
L.1250 F.416

Reviewed for: HOWARD S.C.D.
Name
and meets Technical Requirements
John M. Bulmash 1/23/85
Signature Date
U.S. Soil Conservation Service

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

Robert Zeman 1/2/86
Approved Date

No.	REVISION	DATE
2	Revised Parking	4-22-86
1	Revised C-factors for Areas "N", "O" and Ex. I-5	2-24-86

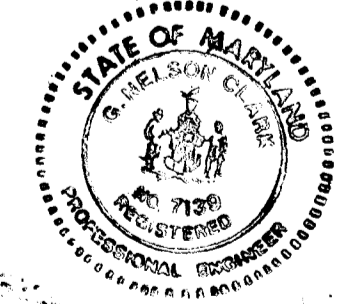


DEVELOPER'S/BUILDER'S CERTIFICATE

I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources 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 or their authorized agents, as are deemed necessary.

Mary Bulmash, et al. 3/5/85
Signature of Developer/Builder Date

MARY BULMASH, et al
662 / 693



ENGINEER'S CERTIFICATE

I hereby 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.

G. Nelson Clark 3-5-85
Signature Date

No.	REVISION	DATE
1	Revised Grading For SWM Pond	11-28-86

APPROVED Department of Public Works

William E. Ray 1-5-86
Chief, Bureau of Engineering Date

APPROVED Howard County Office of Planning and Zoning
John M. Bulmash 1-2-86
Chief, Division of Land Development & Zoning Administration Date

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ENGINEERS · PLANNERS · SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING MARYLAND 20994 (301) 593-3400

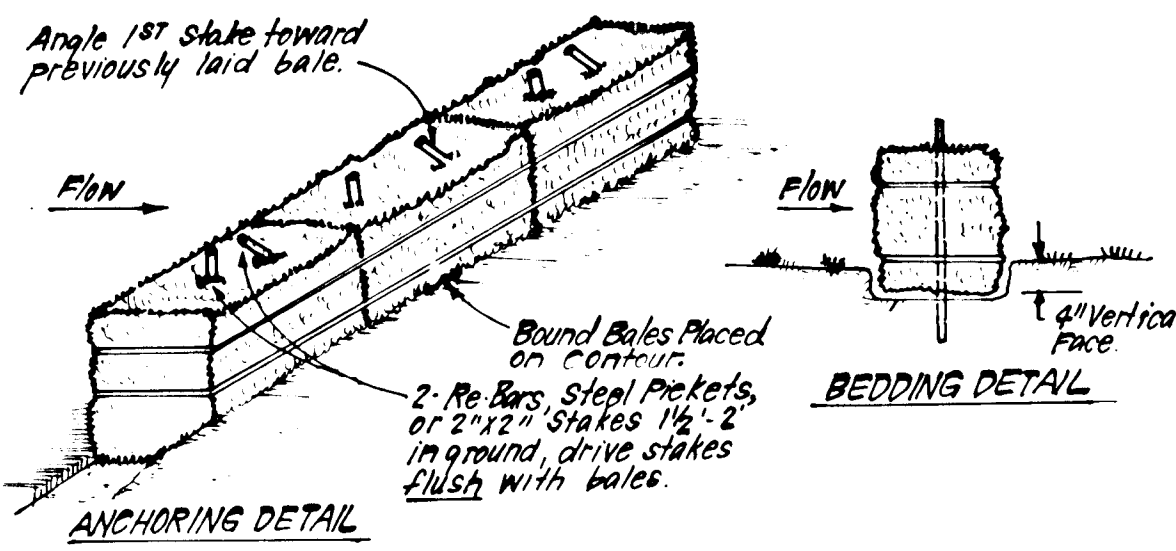
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CHECKED	CLS	JOB NO.	84-071
DATE	3-5-85	FILE NO.	84-071-D

**ROAD CONSTRUCTION PLANS
SEDIMENT & EROSION CONTROL PLAN
AND DRAINAGE AREA MAP**

ROCKBURN COMMONS
SECTION TWO
1ST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR: ROCKBURN ASSOCIATES
802 Garrett Bldg.
Baltimore, MD 21202

GENERAL NOTES

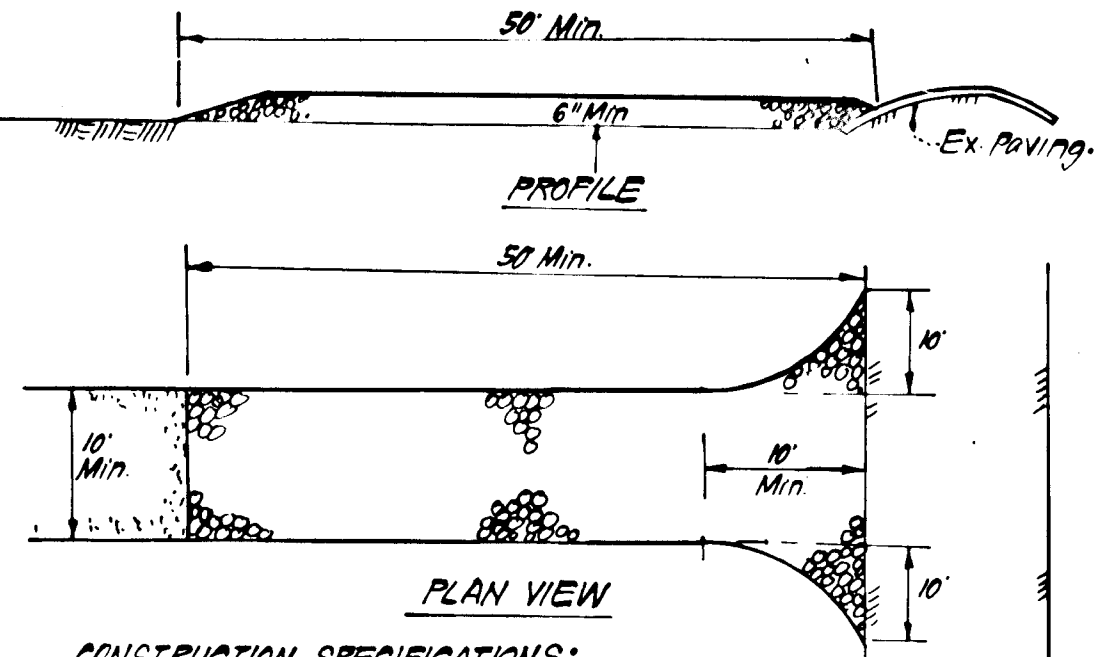
- Grading Permits shall be obtained prior to installation of sediment control.
- All Sediment Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing or disturbance of existing surface of site.
- Notify the Bureau of Inspections and Permits at least 24 hours before starting any work.
- All Sediment Control Practices to conform to the "Standards and Specs. for Soil Erosion and Sediment Control in Developing Areas", and shall be adjusted to meet actual field conditions.
- All structural Sediment Control Measures are to remain in place until permission for their removal has been obtained from the Bureau of Inspections and Permits.
- On Site Inspection and maintenance of all sediment control measures including clean-out of Sediment Traps and Dikes, and proper establishment of all planned vegetative measures will be the responsibility of the developer or his representative on the site, on a continuing day to day basis.
- It will be the developer's responsibility to provide additional Sediment & Erosion Control Devices to protect stabilized areas during construction.
- The contractor shall keep all public roads free of sediment deposits left from traffic leaving construction site.
- Approval of this plan is conditional upon the approval of Sediment Control Plan for the off-site waste or borrow area prior to the import of any borrow or export of waste to or from this site.
- See Pages 51.01 - 51.08 of the Maryland State & Specs for Soil Erosion and Sediment Control for Permanent Seeding and Pages 50.01 - 50.05 for Temporary Seeding.
- As per COMAR 08.05.01.06 -- "Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: (a) seven calendar days as to the surface of all perimeter controls, dikes, swales, ditches, perimeter slopes, and all slopes greater than 3 horizontal to one vertical (3:1) and (b) fourteen days as to all other disturbed or graded areas on the project site."
- All Pipes to be blocked at the end of each day (See detail below).
- The total amount of Straw Bale Dikes/Silt Fence shown = 305 LF
- SITE ANALYSIS:**
 - A Total Area: 17.210 Acres
 - B Area to be Reoiled: 0.000 Acres
 - C Area to be Paved: 3.050 Acres
 - D Area to be Seeded: 9.890 Acres
 - E Area Undisturbed: 4.270 Acres
- All Sediment Traps shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of The Howard County Design Manual for Storm Drainage.



CONSTRUCTION SPECIFICATIONS:

- Bales shall be placed at the Top of a Slope or on the contour and in a row with ends tightly abutting the adjacent bales.
- Each bale shall be embedded in the soil a min. of 4" and placed so the bindings are horizontal.
- Bales shall be securely anchored in place by either 2 stakes or re bars driven thru the bale. The 1st stake in each bale shall be driven toward the previously laid bale at an angle to force the bales together. Stakes shall be driven flush with the bale.
- Inspection shall be frequent and repair replacement shall be made promptly as needed.
- Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

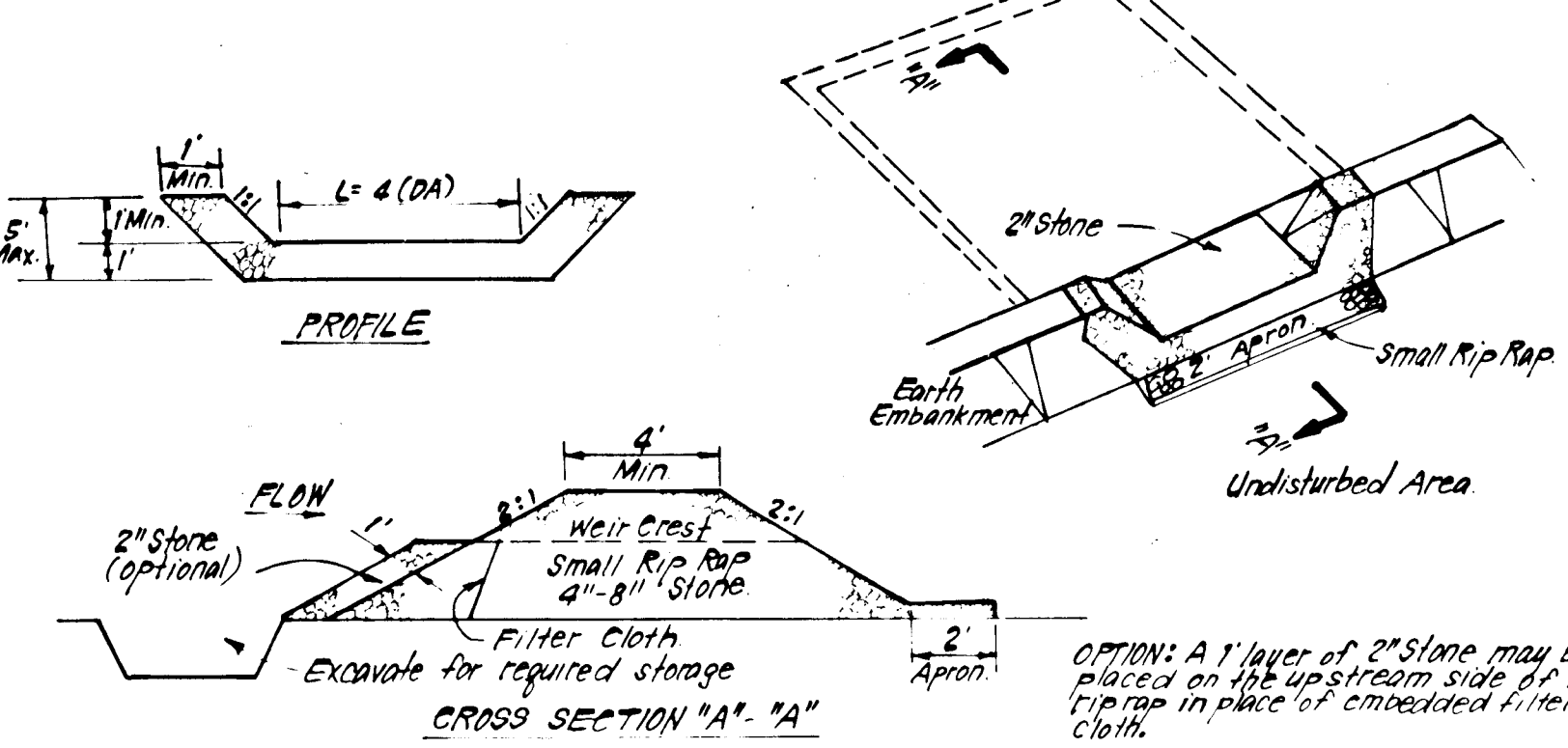
STRAW BALE DIKE DETAIL (SBD)
NO SCALE



CONSTRUCTION SPECIFICATIONS:

- Stone Size - Use 2" Stone, or reclaimed or recycled concrete equivalent.
- Length - As required, but not less than 50 feet (except on a single residence lot where a 150' min length would apply).
- Thickness - Not less than 6".
- Width - Ten foot min, but not less than the full width at point where ingress of grass occur.
- Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
- Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance.
- Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public parts of way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanup of any measures used to trap sediment. All sediment spilled, dumped, washed or tracked onto public parts of way must be removed immediately.
- Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public right of way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
- Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE (S.C.E.)
NO SCALE



CONSTRUCTION SPECIFICATIONS:

- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The rip rap area shall be compacted.
- The fill material for the embankment shall be free of roots and other woody vegetation as well as oversized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
- All cut and fill slopes shall be 2:1 or flatter.
- The stone used in the outlet shall be small rip rap 4" - 8" along with 1" thickness of 2" aggregate placed on the up-grade side on the small rip rap or embedded filter cloth in the rip rap.
- Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap.
- The structure shall be inspected after each rain and repairs made as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
- The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

STONE OUTLET SEDIMENT TRAP (S.O.ST.) STY.
NO SCALE

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
- Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

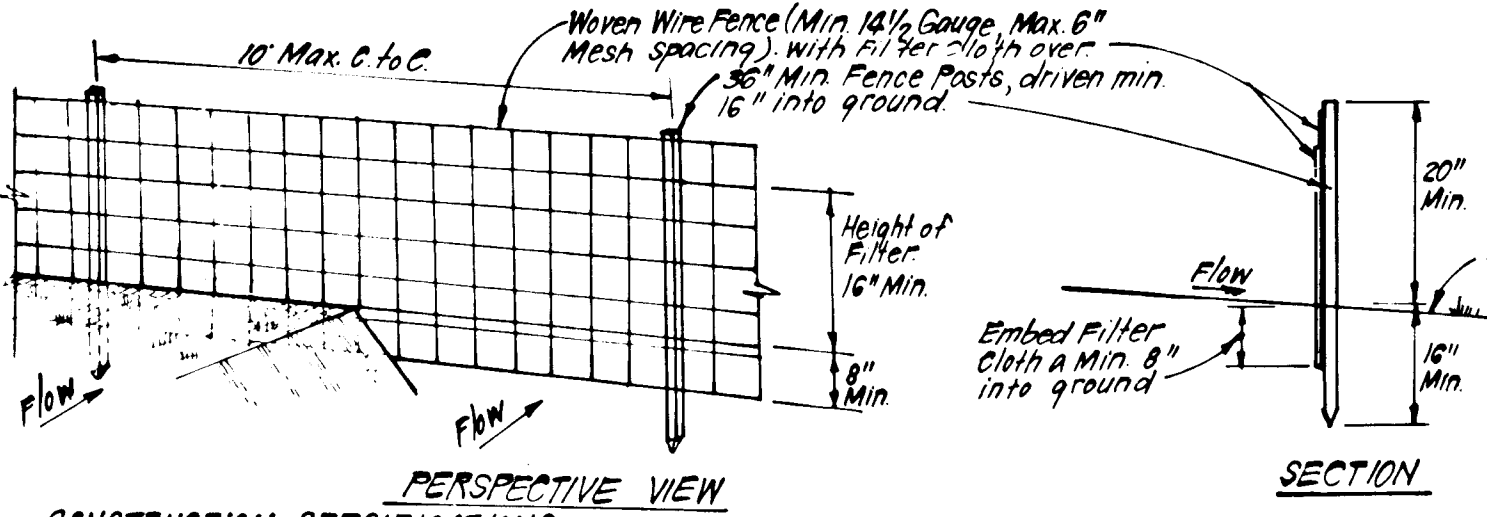
Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft)

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

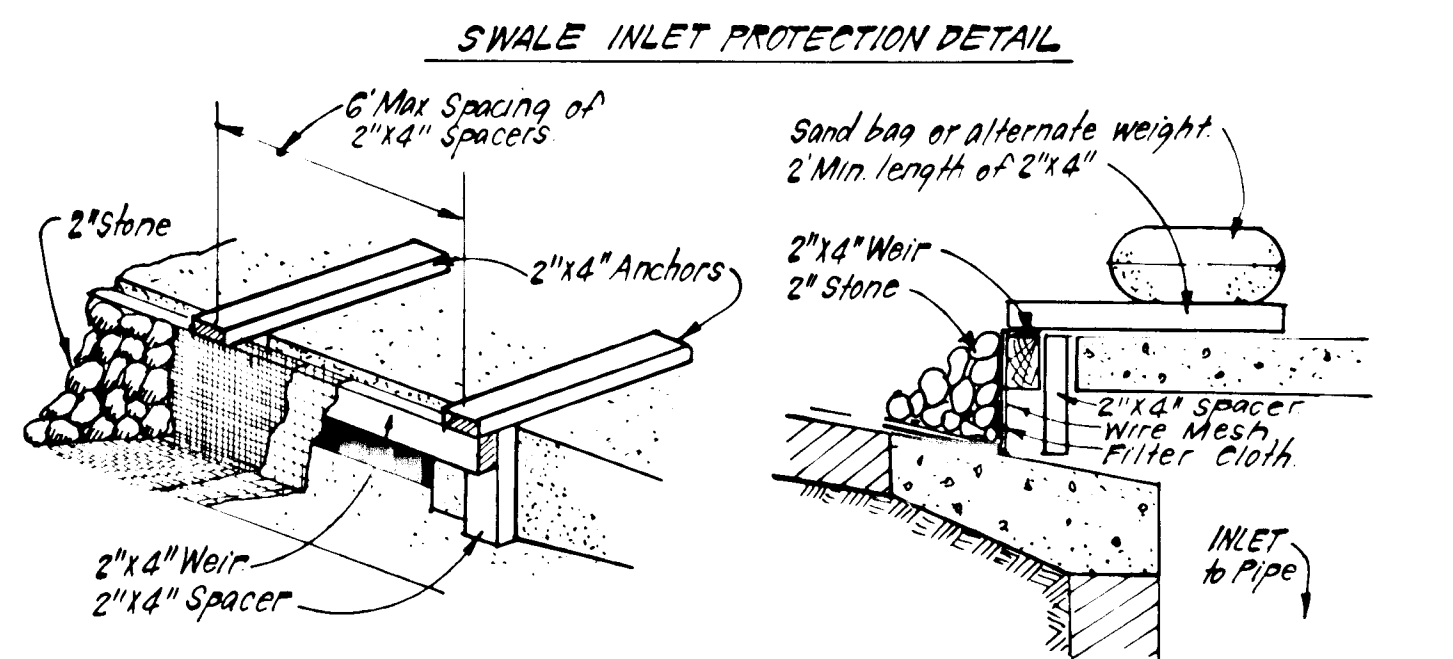
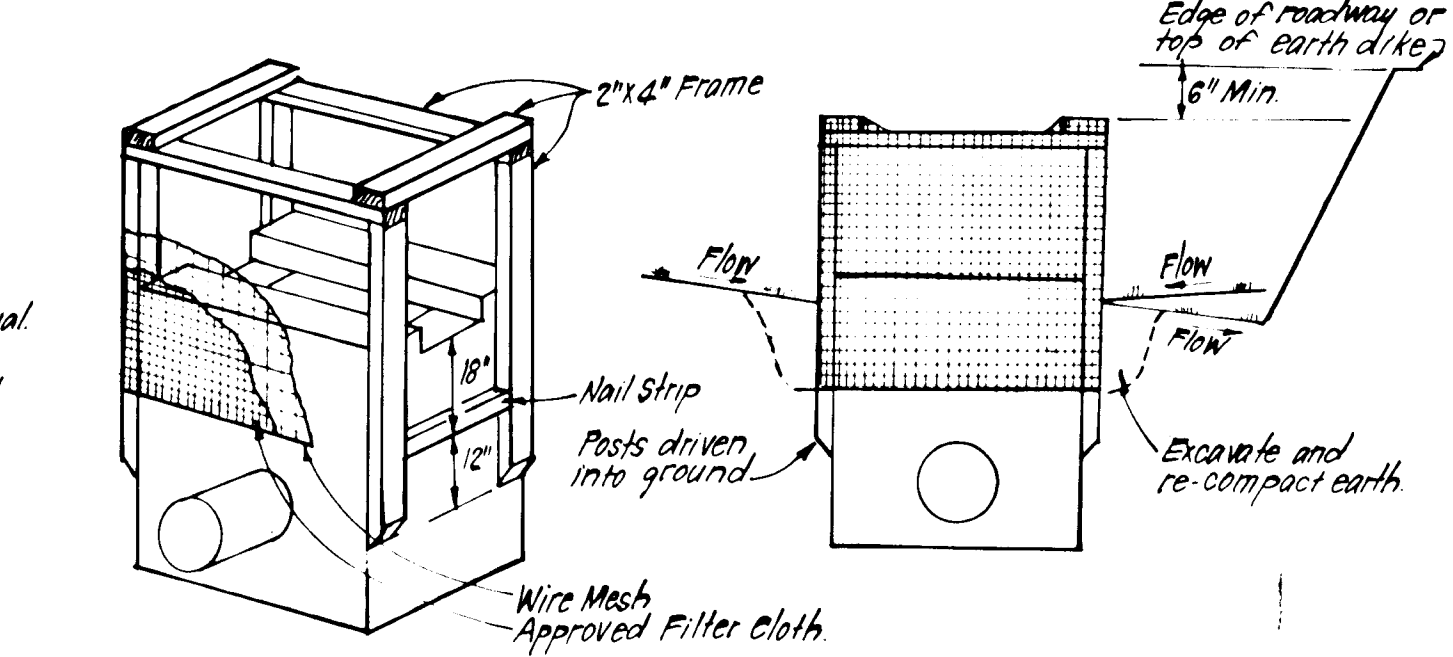


CONSTRUCTION SPECIFICATIONS:

- Woven wire fence to be fastened securely to fence posts with wire ties or staples.
- Filter Cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
- When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and stapled.
- Maintenance shall be performed as needed and material removed when "bulges" develop in silt fence.

POSTS: Steel, either T or U Type or 2" Hardwood
FENCE: Woven Wire, 14 1/2 Gauge
FILTER CLOTH: Filter X, Miraflex 100X, Stabilinka, TIAON or Approved equal
PREFABRICATED UNIT: Geo-Fab, Envirofence, or Approved equal

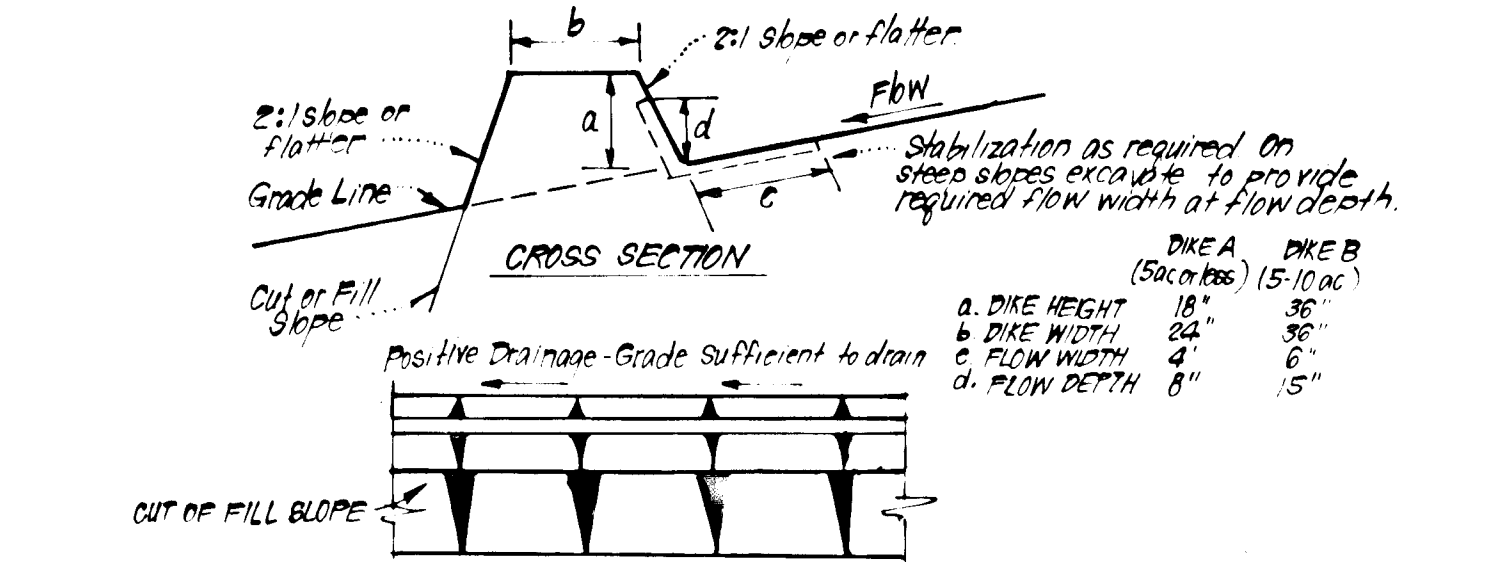
SILT FENCE DETAIL (S)
NO SCALE



CONSTRUCTION SPECIFICATIONS:

- MATERIALS:**
 - A. Wooden frame to be constructed of 2"x4" construction grade lumber.
 - B. Wire mesh must be of sufficient strength to support filter fabric, and be free of curb inlets, with water fully impounded against it.
 - C. Filter cloth must be of a type approved for this purpose, resistant to sunlight with sieve size, EPS 40-85, to allow sufficient passage of water and removal of sediment.
 - D. Stone to be 2" in size and clean, since fines would clog the cloth.
- PROCEDURE: SWALE, DITCHLINE OR YARD INLET PROTECTION**
 - Excavate completely around inlet to a depth of 18" below notch elevation.
 - Drive 2"x4" post 1" into ground at four corners of inlet. Place nail strips between posts around inlet. Assemble top portion of 2"x4" frame using over lap joint shown. Top of frame weir must be 6" below edge of roadway adjacent to inlet.
 - Stretch wire mesh tightly over wire mesh, the cloth must extend from top of frame to 18" below inlet notch elev. Fasten securely to frame. Ends must meet at post, be overlapped and folded, then fastened down.
 - Backfill ground inlet in compacted 6" layers until layer of earth is even with notch elevation on ends and top elevation on sides.
 - If the inlet is not in a low point, construct a compacted earth dike in the ditch line below it. The top of this earth dike is to be at least 6" higher than the top of frame weir.
 - The structure must be inspected frequently and filter fabric replaced when clogged.
- PROCEDURE: CURB INLET PROTECTION**
 - Attach a continuous piece of wire mesh (30" min width by throat length plus 4") to the 2"x4" weir (measuring throat length plus 2") as shown on std. drawing.
 - Place a piece of approved filter cloth (40-85 sieve) of the same dimensions as the wire mesh over the wire mesh and securely attach to the 2"x4" weir.
 - Securely nail the 2"x4" weir to 3" long vertical spacers to be located between the weir and inlet face (max 6" apart).
 - Place the assembly against the inlet throat and nail (min 2" lengths of 2"x4" to the top of the weir at spacer locations. These 2"x4" anchors shall extend across the inlet top and be held in place by sandbags or alternate weight.
 - The assembly shall be placed so that the end spacers are a min. 1' beyond both ends of throat opening.
 - From the wire mesh and filter cloth to the concrete gutter and against the face of curb on both sides of the inlet. Place clean 2" stone over the wire mesh and filter fabric in such a manner as to prevent water from entering the inlet under or around the filter cloth.
 - This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
 - Assure that storm flow does not bypass inlet by installing temporary earth or asphalt dikes directing flow to inlet.

INLET PROTECTION DETAIL (I.P.D.)
NO SCALE



CONSTRUCTION SPECIFICATIONS:

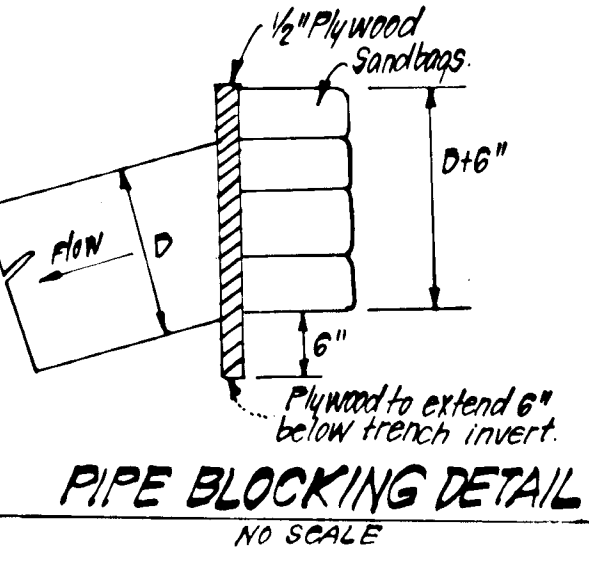
- All dikes shall be compacted by earth-moving equipment.
- All dikes shall have positive drainage to an outlet.
- Top width may be wider and side slopes may be flatter if desired, to facilitate crossing by construction traffic.
- Field location should be adjusted as needed to utilize a stabilized safe outlet.
- Earth dikes shall have an outlet that functions with a minimum of erosion. Runoff shall be conveyed to a sediment trapping device such as a sediment trap or sediment basin where either the dike channel or the drainage area above the dike are not adequately stabilized.
- Stabilization shall be: (A) in accordance with standard specifications for seed and straw mulch or straw mulch if not in seeding season, (B) flow channel as per chart below.

FLOW CHANNEL STABILIZATION

TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	0.5 - 3.0%	Seed & Straw Mulch	Seed or Straw Mulch
2	3.1 - 5.0%	Seed & Straw Mulch	Seed & Straw Mulch
3	5.1 - 8.0%	Seed & Straw Mulch	Seed & Straw Mulch
4	8.1 - 20.0%	Lined Rip Rap 4" - 8"	Lined Rip Rap 4" - 8"

A. Stone to be 2" Stone, or recycled concrete equivalent, in a layer at least 3" thick and be pressed into soil with construction equipment.
B. Rip Rap to be 4" - 8" in a layer at least 8" thick, pressed into soil.
C. Approved equivalents can be substituted for any of the above materials.

EARTH DIKE DETAIL (E.D.)
NO SCALE



Reviewed for: HOWARD SOIL CONSERVATION DISTRICT
and special Technical Requirements
Approved: [Signature]
U.S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Approved: [Signature] 1/2/06
Date

DEVELOPER'S/BUILDER'S CERTIFICATE

"I hereby certify that all development and construction will be done according to the plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources 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 or their authorized agents, as may be deemed necessary."
ROCKBURN PROPERTIES, LTD., G.P.
Signature of Developer/Builder: [Signature] Date: 3/5/85

ENGINEER'S CERTIFICATE

I hereby 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.
G. Nelson Clark
Date: 3-5-85

APPROVED: DEPARTMENT OF PUBLIC WORKS
[Signature] Chief, Bureau of Engineering
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
[Signature] Chief, Division of Land Development & Zoning Administration

1-28-85 Date
1-28-85 Date

CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11317 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400

DESIGNED	JLS	SCALE	AS SHOWN
DRAWN	R/W	DRAWING	8 OF 8
CHECKED	JLS	JOB NO.	84-071
DATE	3 5 85	FILE NO.	84-071-D

ROAD CONSTRUCTION PLANS
SEDIMENT & EROSION CONTROL DETAILS
ROCKBURN COMMONS
SECTION TWO
1ST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR: ROCKBURN ASSOCIATES
802 Garrett Bldg.
Baltimore, Md. 21202