

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. II (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 Howard County Design Manual, Vol. III.
- Provide Concrete Sidewalk Ramps, no. Co. Std. Type A, R.4.01 where shown in plan.
- Design Speed: See Chart, Sht. 3
- Zoning: RA-15
- Contractor or Developer shall contact the Construction Inspection / Survey Division 24 hrs. before commencing work at 792-7272.
- Storm Water Management provided Under Previously Approved Plans F-85-112.

SEE SHT. 2 & 3 FOR PROFILES OF PRIVATE COURTS

13. Street lights to be 250 Watt Mercury Vapor Lamp pendant mounted fixtures on a 25' Galv. Steel Pole. Street lights to be placed in accordance w/ Ho. Co. Design Manual Vol. III.

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.

John Lewis
Signature of Developer/Builder
6-20-86
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.

Jeffrey J. ...
Professional Engineer
6-20-86
Date

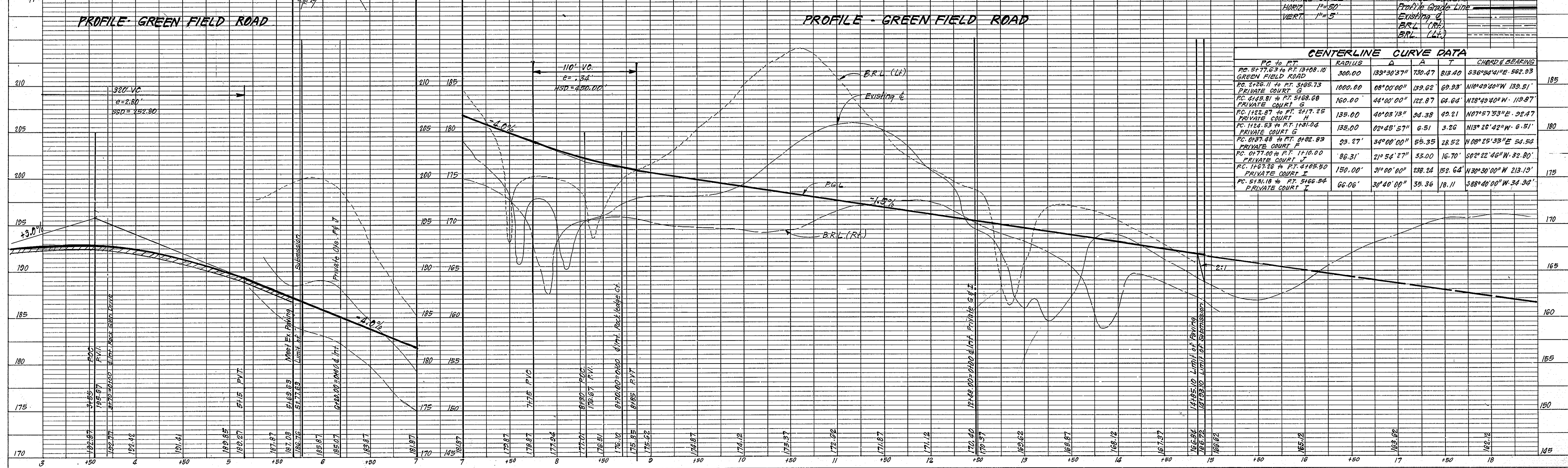
CURB AND GUTTER LEGEND

Standard 7" C&G	
Rev. 7" C&G	
Standard 6" C&G	
Rev. 6" C&G	

Reviewed for: *[Signature]* S.D.
Name and meets Technical Requirements
Signature
Date
U.S. Soil Conservation Service

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

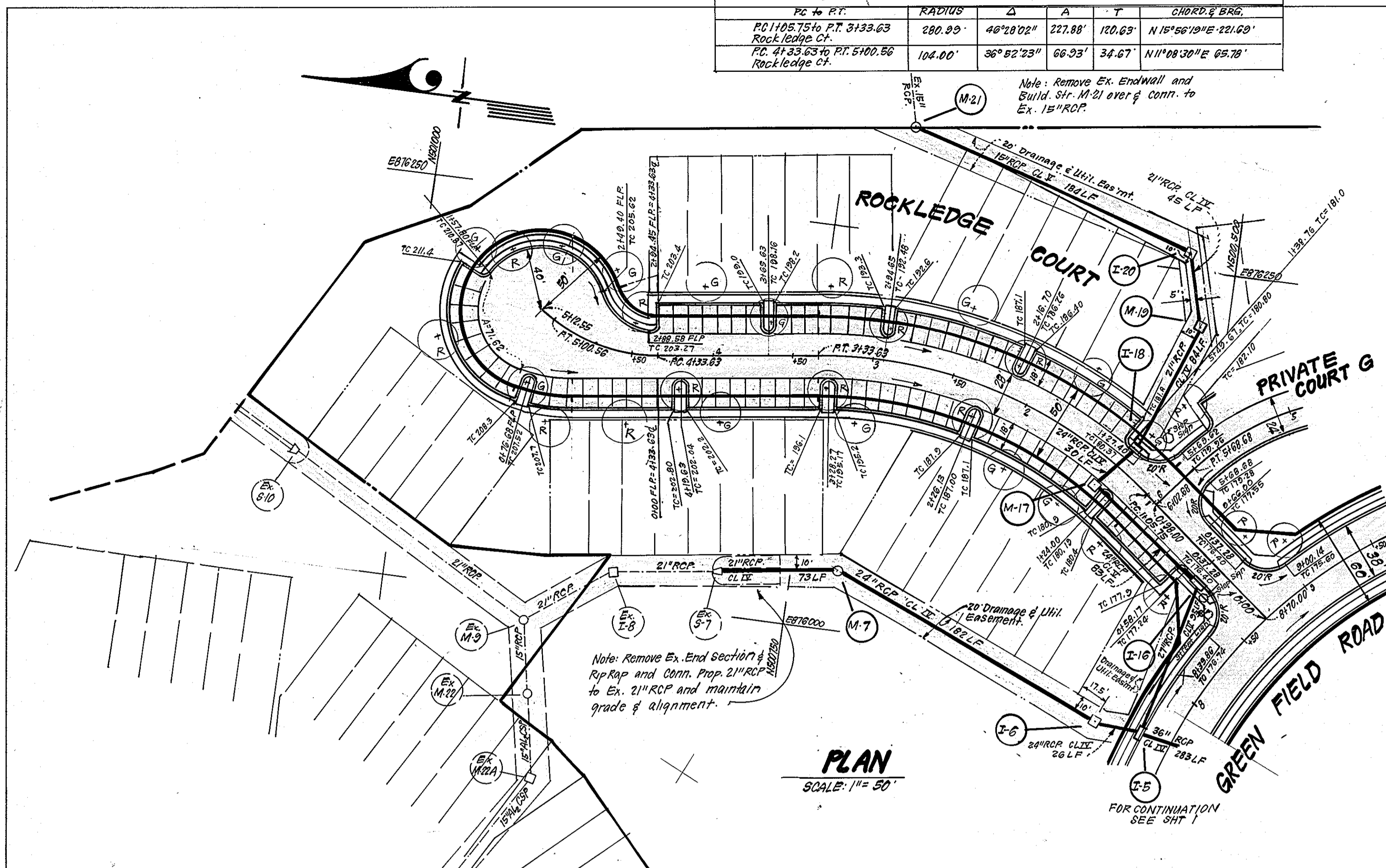
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Approved Date



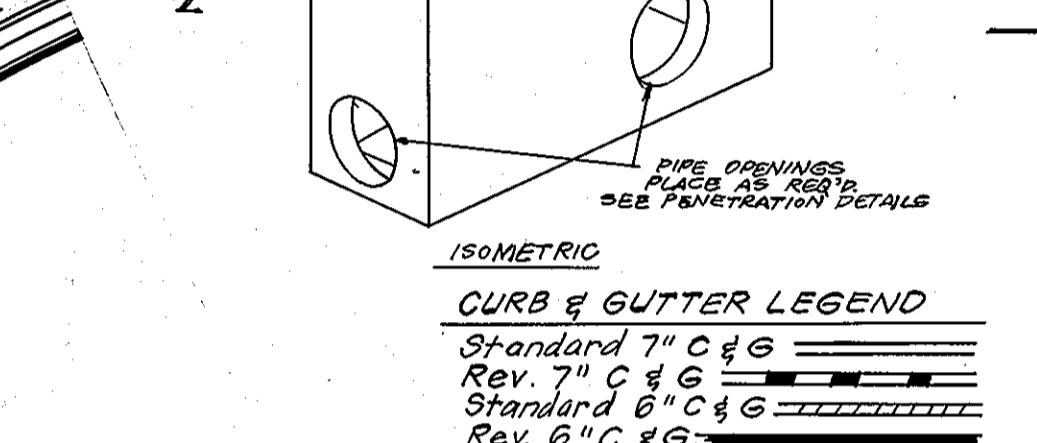
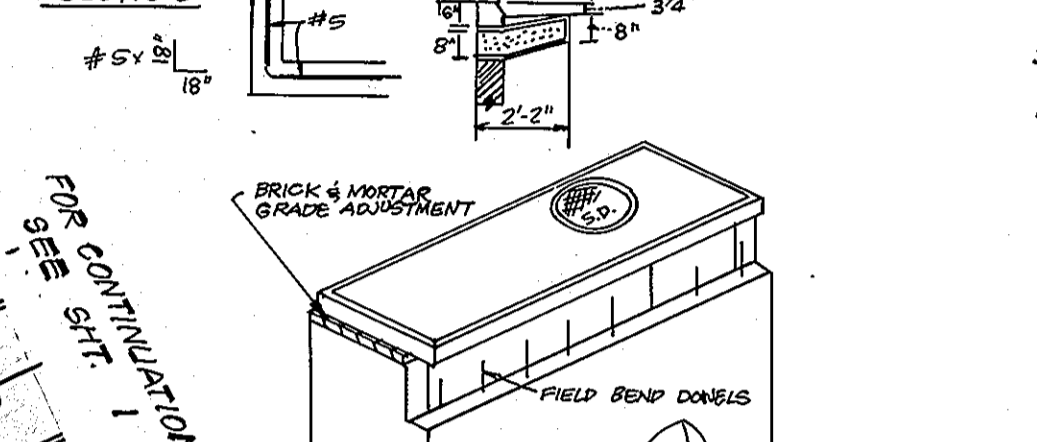
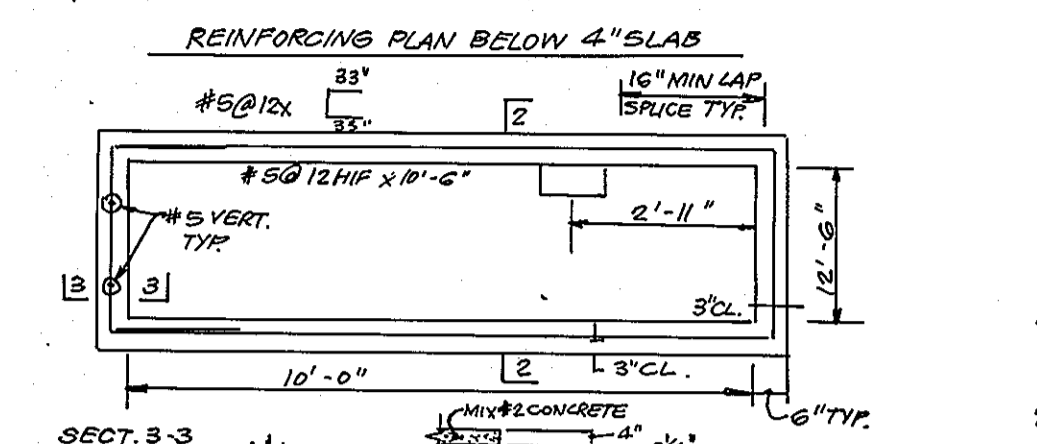
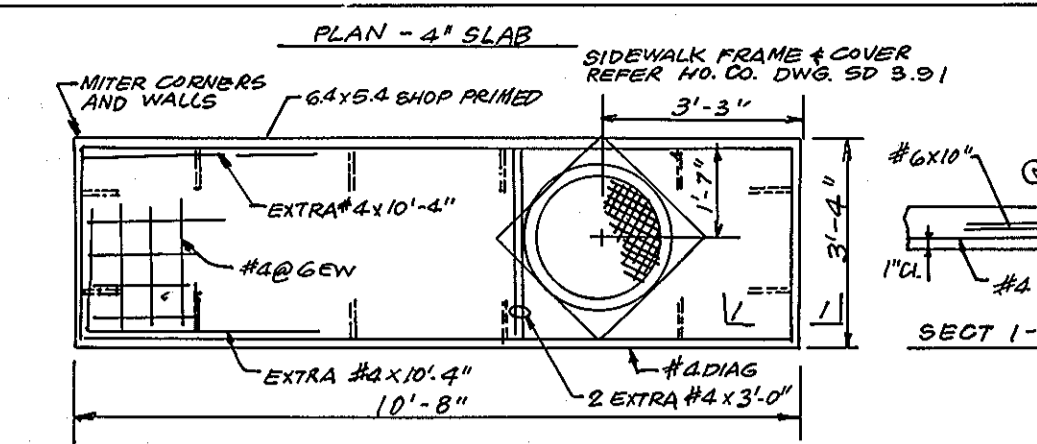
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CENTERLINE CURVE DATA					
PC to PT	RADIUS	Δ	A	T	CHORD & BEG.
PC 1105.75 to PT 3133.63 Rockledge Ct.	280.99'	46°28'02"	227.88'	120.63'	N 18°56'10"E 221.69'
PT 3133.63 to PT 5100.56 Rockledge Ct.	104.00'	36°52'23"	66.93'	34.67'	N 11°08'30"E 65.78'

Note: Remove Ex. End Wall and Build 21" RCP over of conn. to Ex. 15" RCP.



PLAN
SCALE: 1" = 50'



- NOTES:
- CONCRETE SHALL CONFORM TO MARYLAND DOT STANDARD SPECIFICATION FOR CONSTRUCTION & MATERIALS 1992, MIN. NO. 6 (ADDITION) & 4500 PSI @ 28 DAYS CEMENT SHALL BE TYPE III, AND 4#10 @ 12" COARSE AGGREGATE SHALL BE USED.
 - POLYPROPYLENE STEPS SHALL BE TYPE PS 4 OR PS 5 AS MANUFACTURED BY M.A. INDUSTRIES, INC. STEPS SHALL BE INSTALLED IN LINE WHERE A > 3'-6".
 - REFERENCE DRAWING FOR TYPE A-10 INLET IS HOWARD COUNTY STANDARD DRAWING NO. SD-4.02.
 - REINFORCING SCHEDULE IS BASED ON USED METHOD AND DESIGN LOADS AS SPECIFIED IN AASHTO STANDARD SPECS. FOR HIGHWAY BRIDGES, 12TH EDITION, 1977 AND INTERIM SPECIFICATIONS.
 - WEIGHTS: 4" TOP SLAB WT = 2000# MAX INLET DIA WITH 24" DIA (10" HEIGHT, I.D.) RISER WT/VOL = 2000#/YD PRECAST MANHOLES SHALL HAVE BRICK LINING ACCORDING TO SD-4.02.

PLANT SCHEDULE				
KEY	PLANT NAME	SIZE	QUANT.	REMARKS
(M)	Acer Rubrum 'Red Sunset'	2 1/2" DIA	20	By B Heavy Heads
(M)	Red Sunset Maple	2 1/2" DIA	20	"
(M)	Quercus Rubra	"	20	"
(M)	Quercus Phellos	"	13	"
(M)	Willow Oak	"	13	"

- Notes:
- Contractor shall verify location of underground utilities prior to digging.
 - Final location of trees may be adjusted slightly to accommodate field conditions.
 - Planting procedure shall comply with "Landscape Specs. for Buildings & Washington Metropolitan Areas."
 - Substitution of the approved species may be permitted provided that the planting is in accordance with the street tree and landscape requirements as specified in Section 16.131 of the Howard County Subdivision Regulation.

NO.	REVISION	DATE
1	Added Type "A-10" Inlet Detail	7-10-87

APPROVED: Department of Public Works

John M. Muechman 12-9-86
Chief, Bureau of Engineering

APPROVED: Howard County Office of Planning & Zoning

John M. Muechman 12-9-86
Chief, Division of Land Development & Zoning Administration

CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS

1135 LOCKWOOD DRIVE • SILVER SPRING MARYLAND 20904 • (301) 593-3400

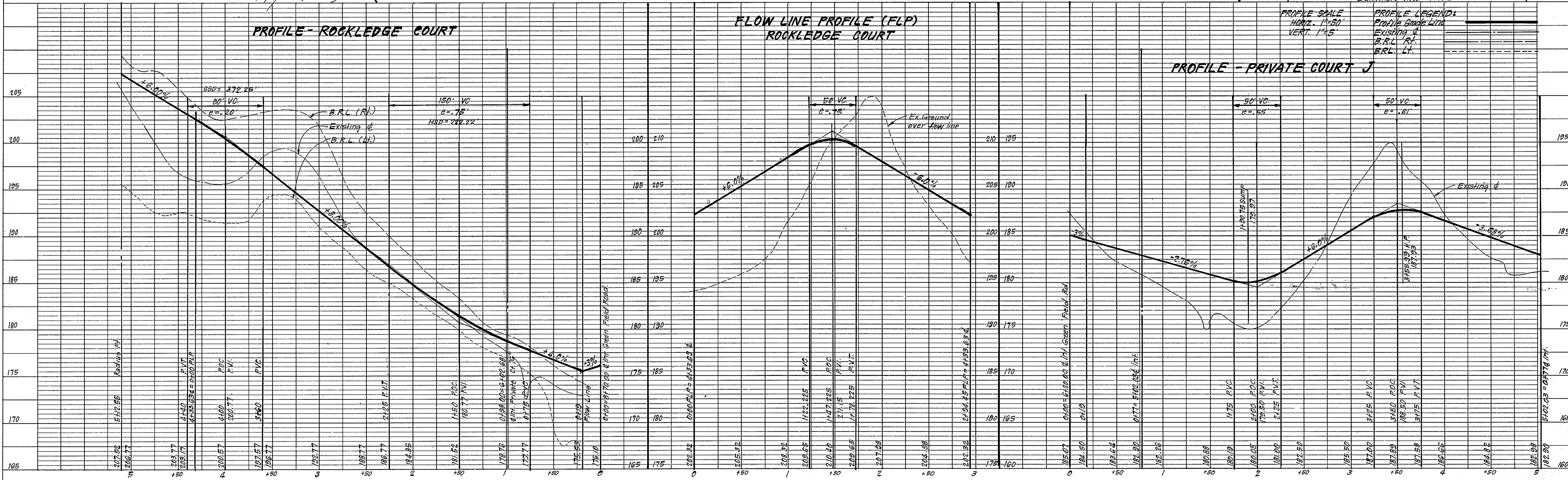
DESIGNED: JLS
DRAWN: KTW
CHECKED: JLG
DATE: 6-20-86

**ROAD CONSTRUCTION PLANS
ROCKLEDGE COURT**

ROCKBURN COMMONS
SECTION THREE
1ST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

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

SCALE: As Shown
DRAWING: 2 OF 6
JOB NO.: 84-071
FILE NO.: 84-071-D



PROFILE - ROCKLEDGE COURT

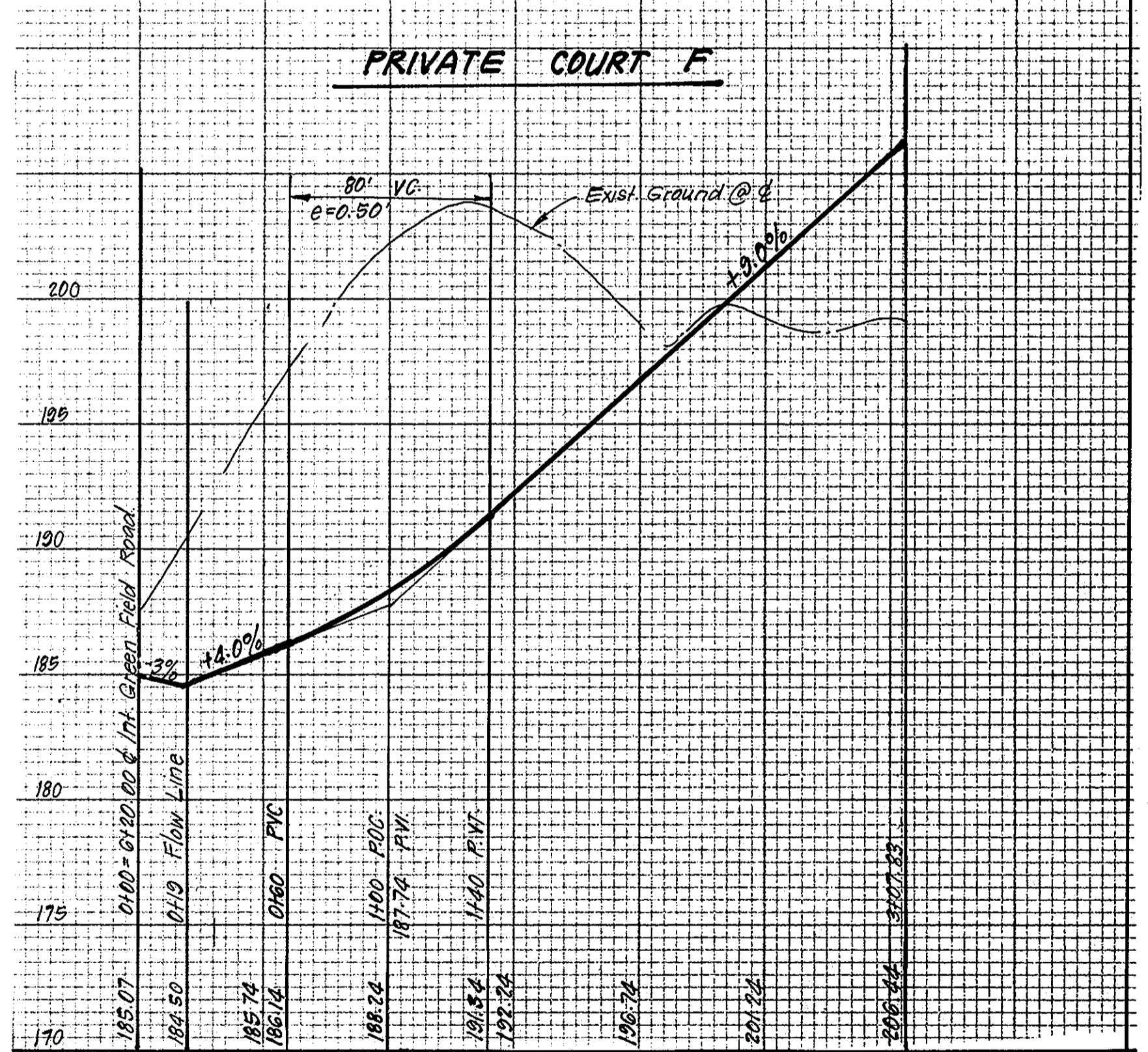
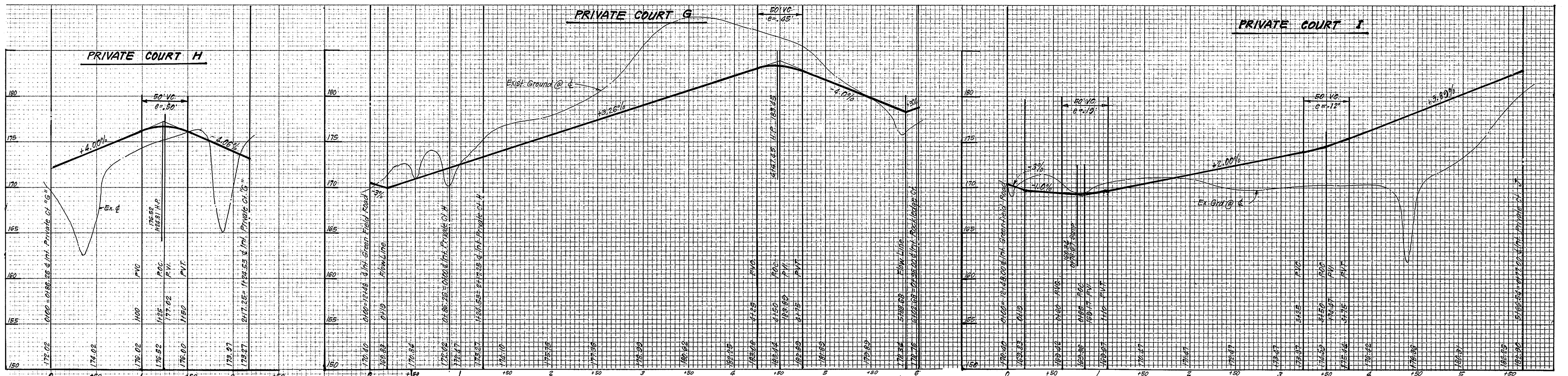
FLOW LINE PROFILE (FLP)
ROCKLEDGE COURT

PROFILE - PRIVATE COURT J

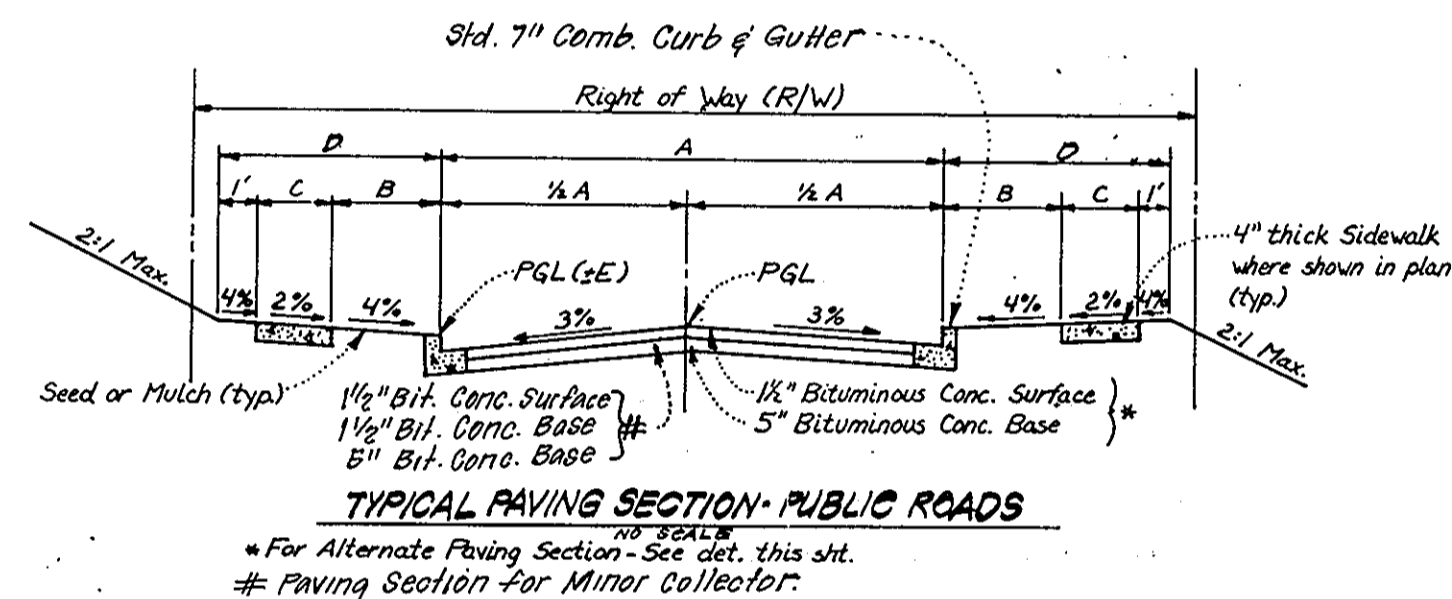
PROFILE SCALE:
HORIZ. 1" = 50'
VERT. 1" = 5'

PROFILE LEGEND:
Propose Grade Line
Existing G.
B.R.L. RL
B.R.L. LT

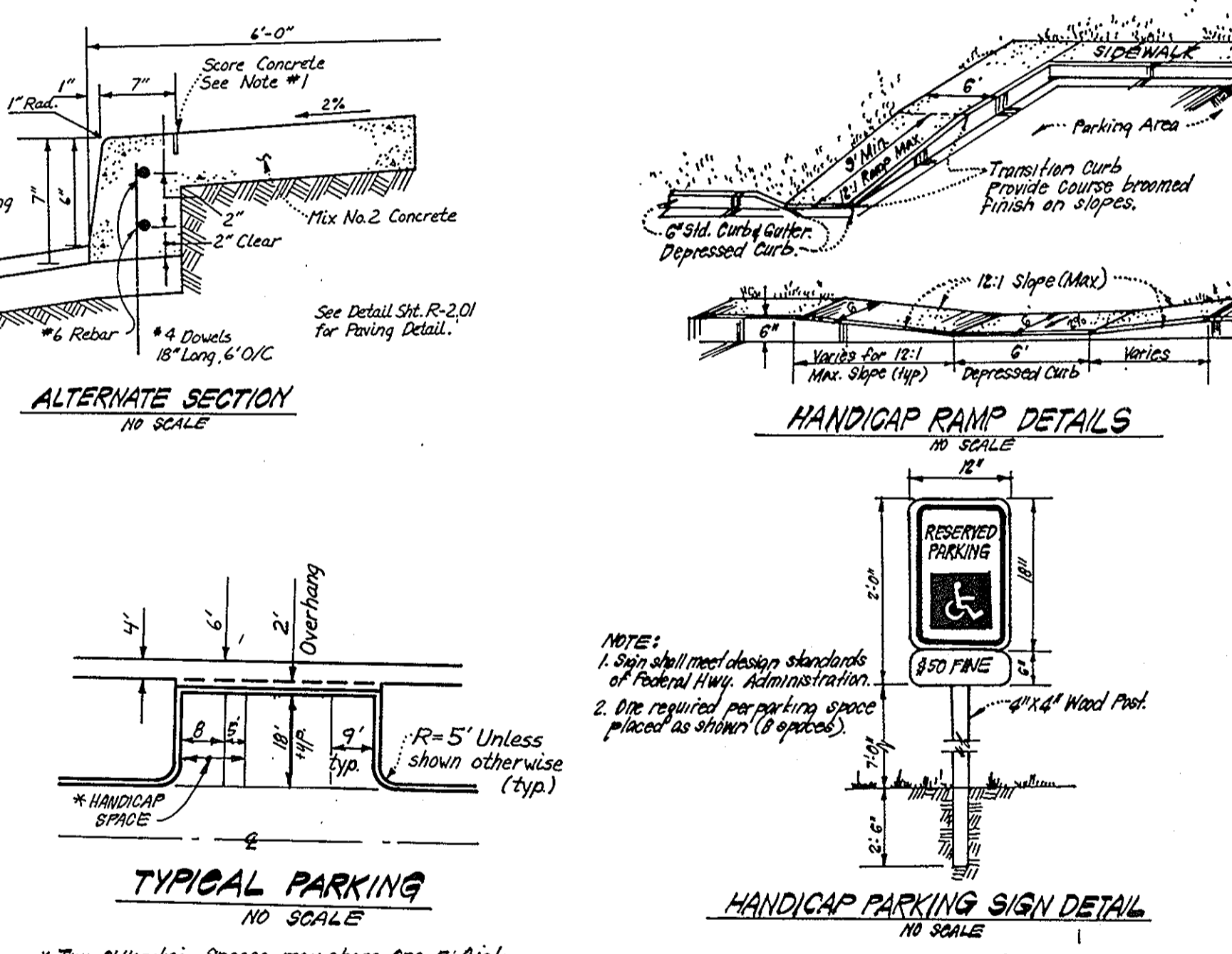
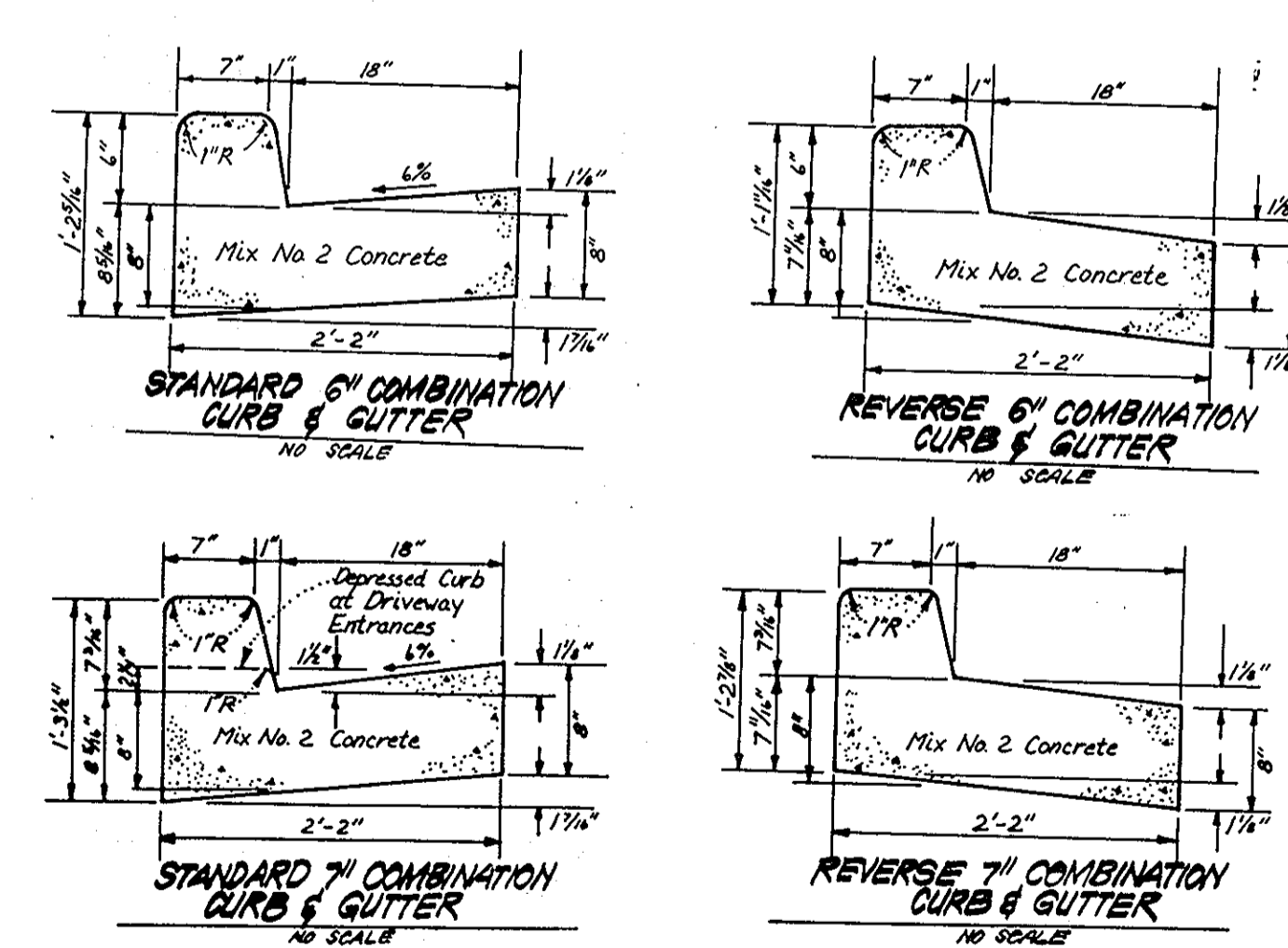
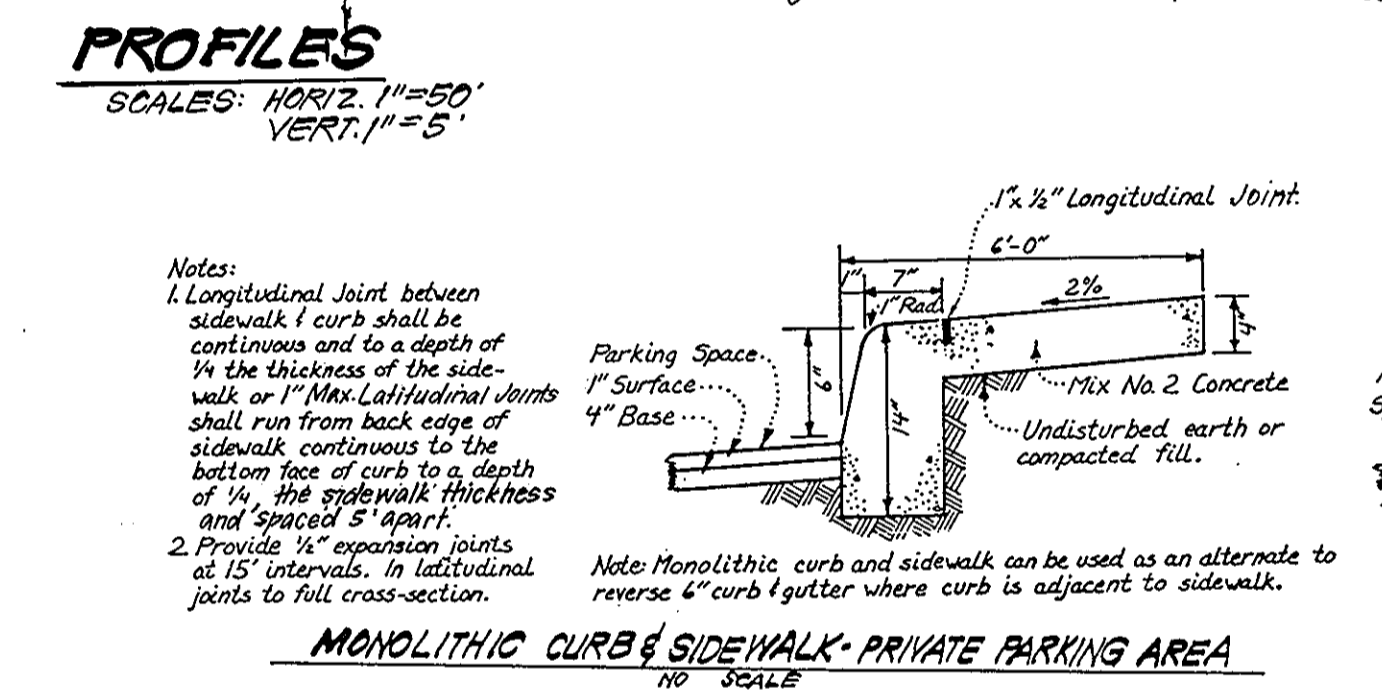
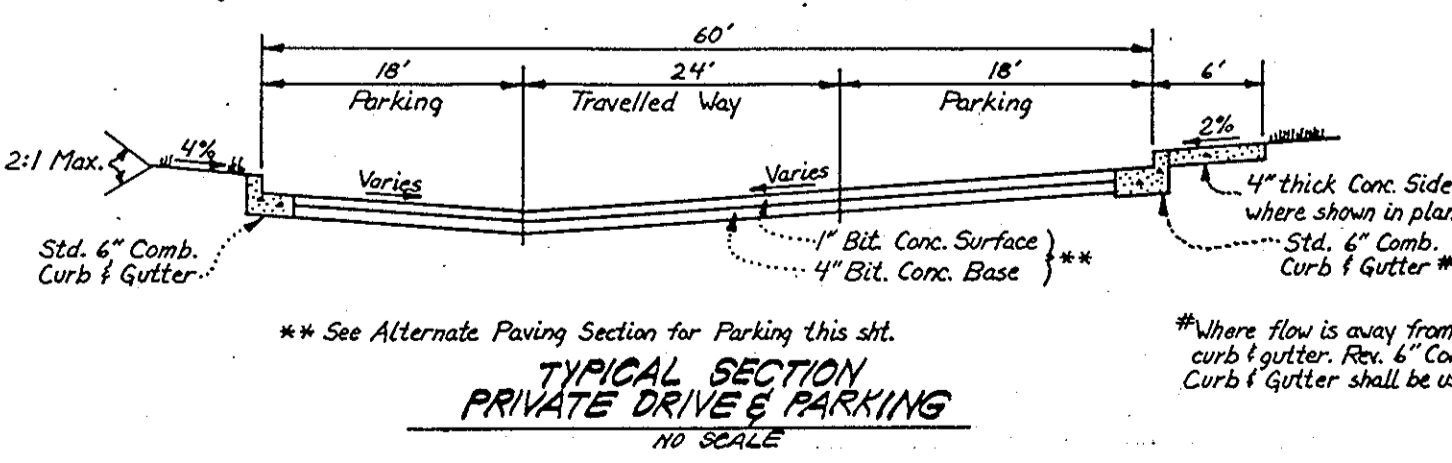
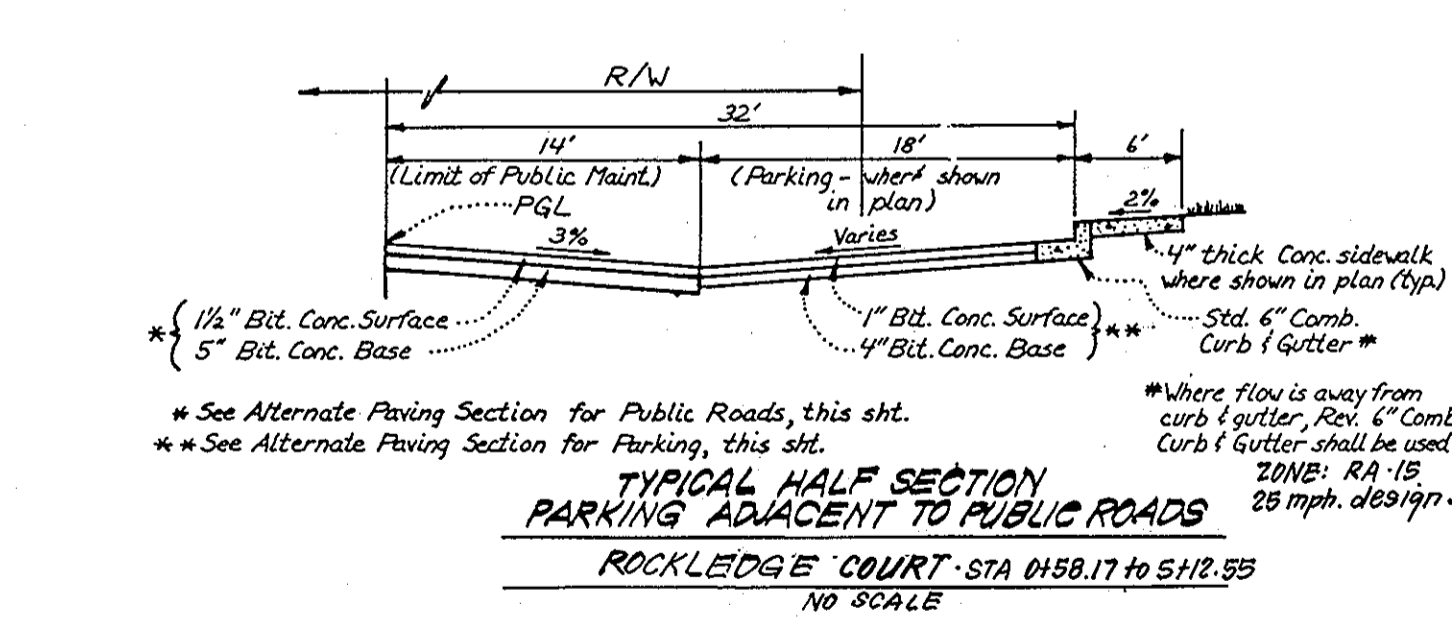
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Section	Material	Thickness
ALTERNATE PAVING SECTION FOR PARKING AREAS (SECTION P-1)	Bituminous Conc. Surface	1"
	Bituminous Conc. Base	2"
	Prime...	5"
ALTERNATE PAVING SECTION FOR PUBLIC ROADS (SECTION P-2)	Bituminous Conc. Surface	1 1/2"
	Bituminous Conc. Base	2 1/4"
	Prime...	5"
ALTERNATE PAVING SECTION FOR MAJOR/MINOR COLLECTOR (SECTION P-3)	Bituminous Conc. Surface	1 1/2"
	Bituminous Conc. Base	4 1/4"
	Prime...	6"



STREET NAME & STATION	TYPE OF TRAFFIC	A	B	C	D	R/W	ZONING	DESIGN SPEED
GREENFIELD ROAD STA 0+00 TO 1+193.10	MINOR COLLECTOR	38'	6'	4'	11'	60'	RA-15	35 mph
ROCKLEDGE COURT STA 0+00 TO 5+17	LOCAL	28'	4'	4'	9'	50'	RA-15	25 mph



APPROVED: DEPARTMENT OF PUBLIC WORKS

12-8-86

Chief, Bureau of Engineering

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

12-8-86

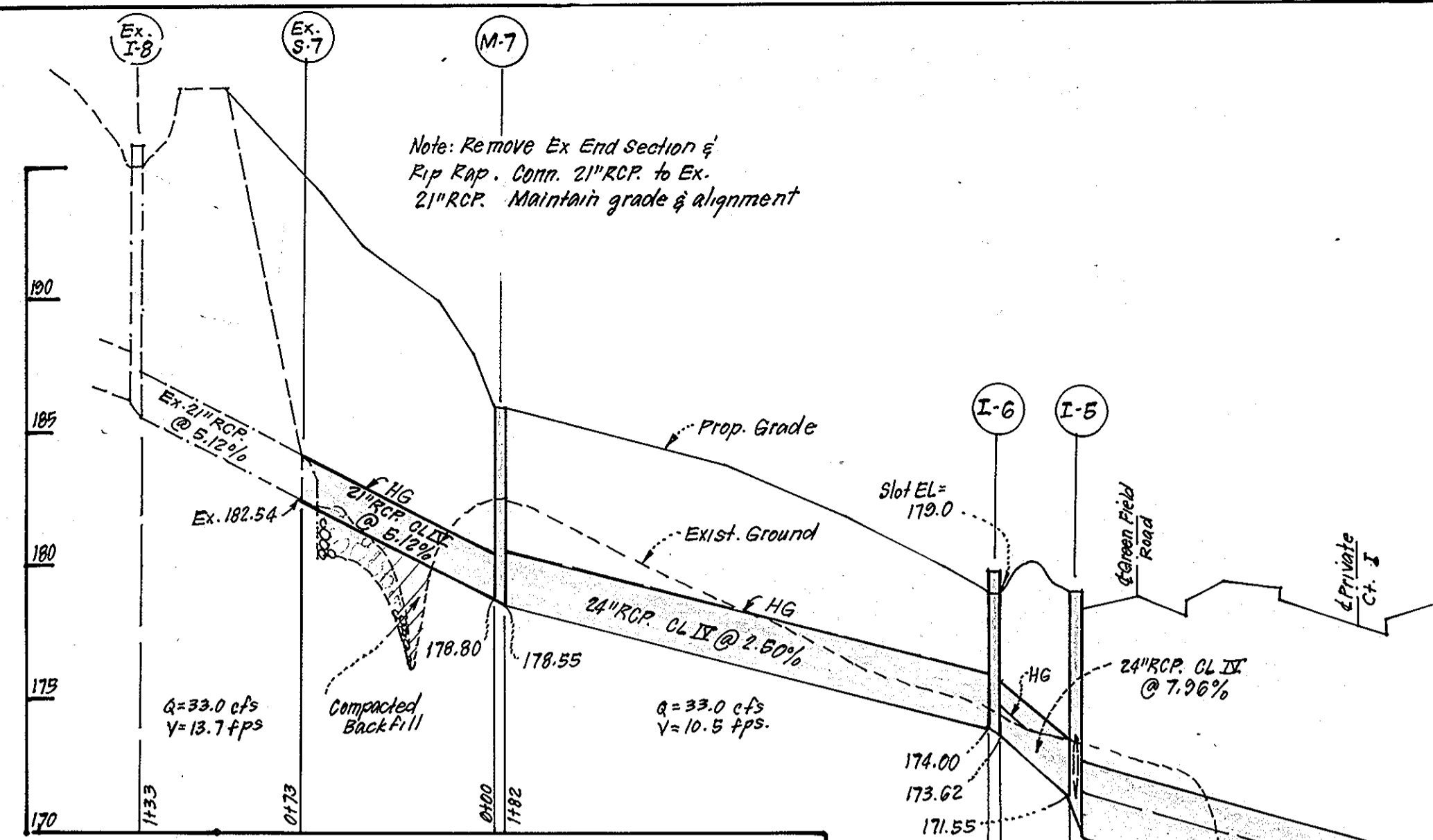
Chief Division of Land Development & Zoning Administration

CLARK · FINEFROCK & SACKETT
 ENGINEERS · PLANNERS · SURVEYORS

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

DESIGNED	JLS	ROAD CONSTRUCTION PLANS	SCALE
DRAWN	R/W	PAVING & STORM DRAIN DETAILS	AS SHOWN
CHECKED	JLS	ROCKBURN COMMONS	DRAWING
DATE	6-20-86	SECTION THREE	3 OF 6
		1ST ELECTION DISTRICT	JOB NO.
		HOWARD COUNTY, MARYLAND	84-071
		FOR: ROCKBURN ASSOCIATES	FILE NO.
		802 Garrett Bldg.	84-071-D
		Baltimore Md. 21202	

F-87-23

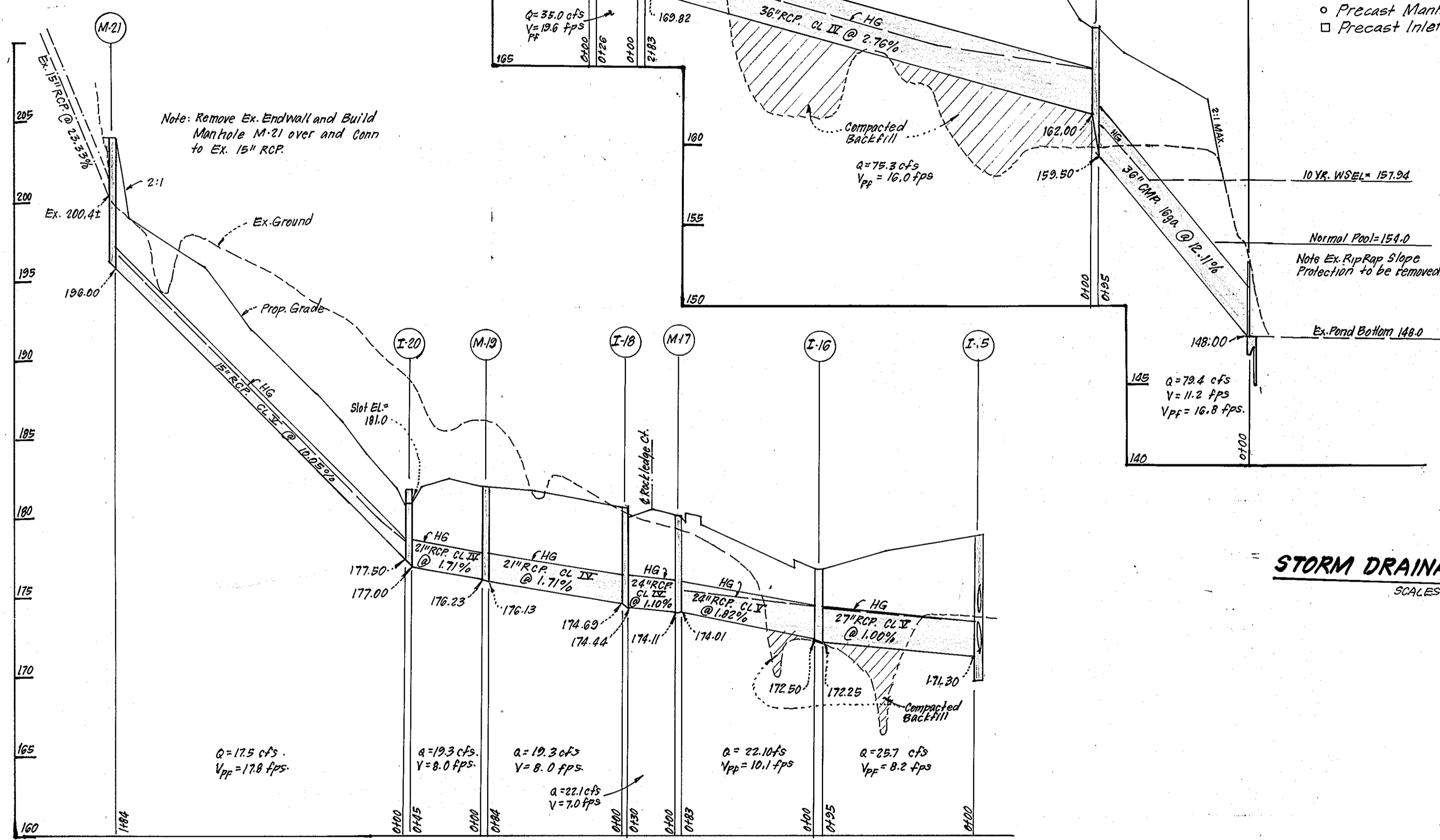
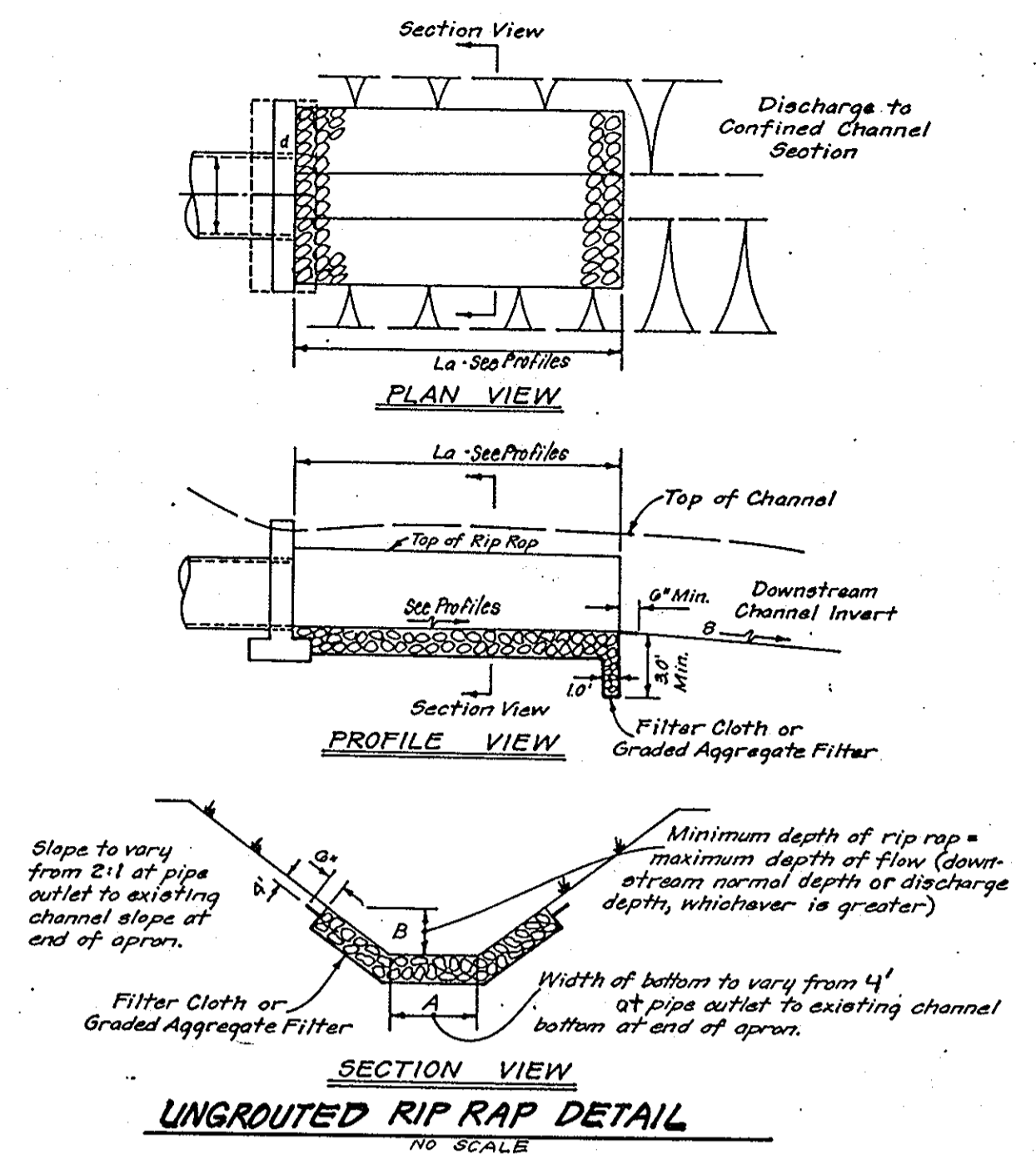


SIZE	TYPE	CL	LENGTH
15"	RCP	CL IX	300 LF
15"	CMP	169a	167 LF
18"	RCP	CL IX	153 LF
21"	RCP	CL IX	202 LF
24"	RCP	CL IX	30 LF
24"	RCP	CL IX	83 LF
27"	RCP	CL IX	95 LF
30"	RCP	CL IX	29 LF
36"	CMP	169a	95 LF
48"	RCP	CL IX	293 LF
48"	CMP	169a	119 LF

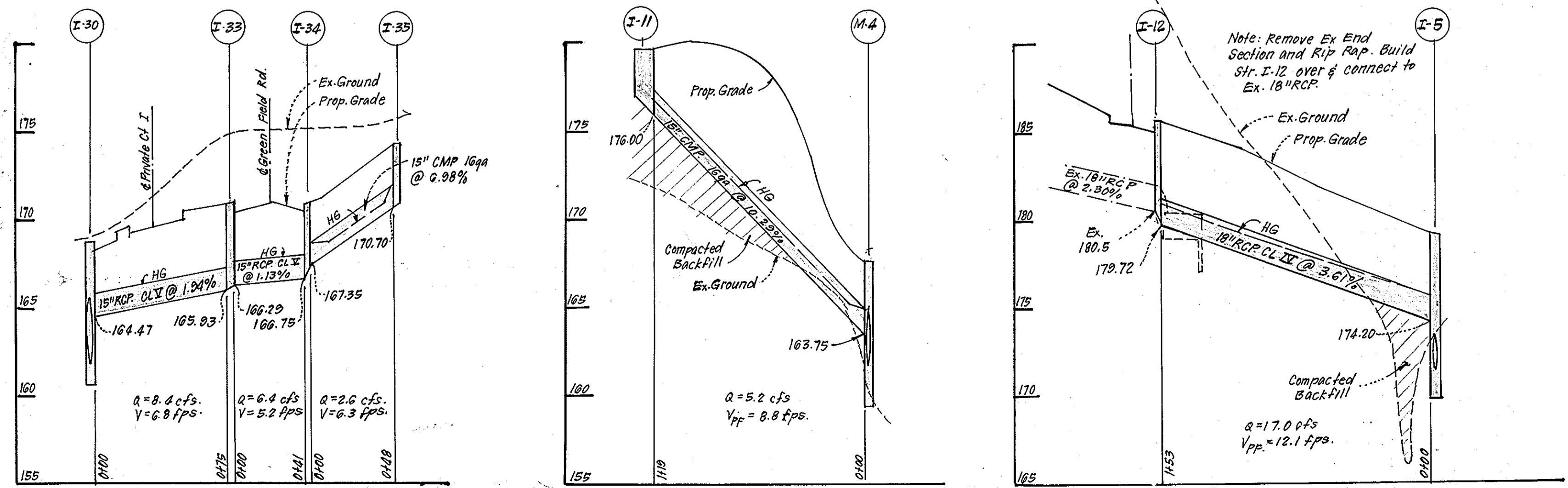
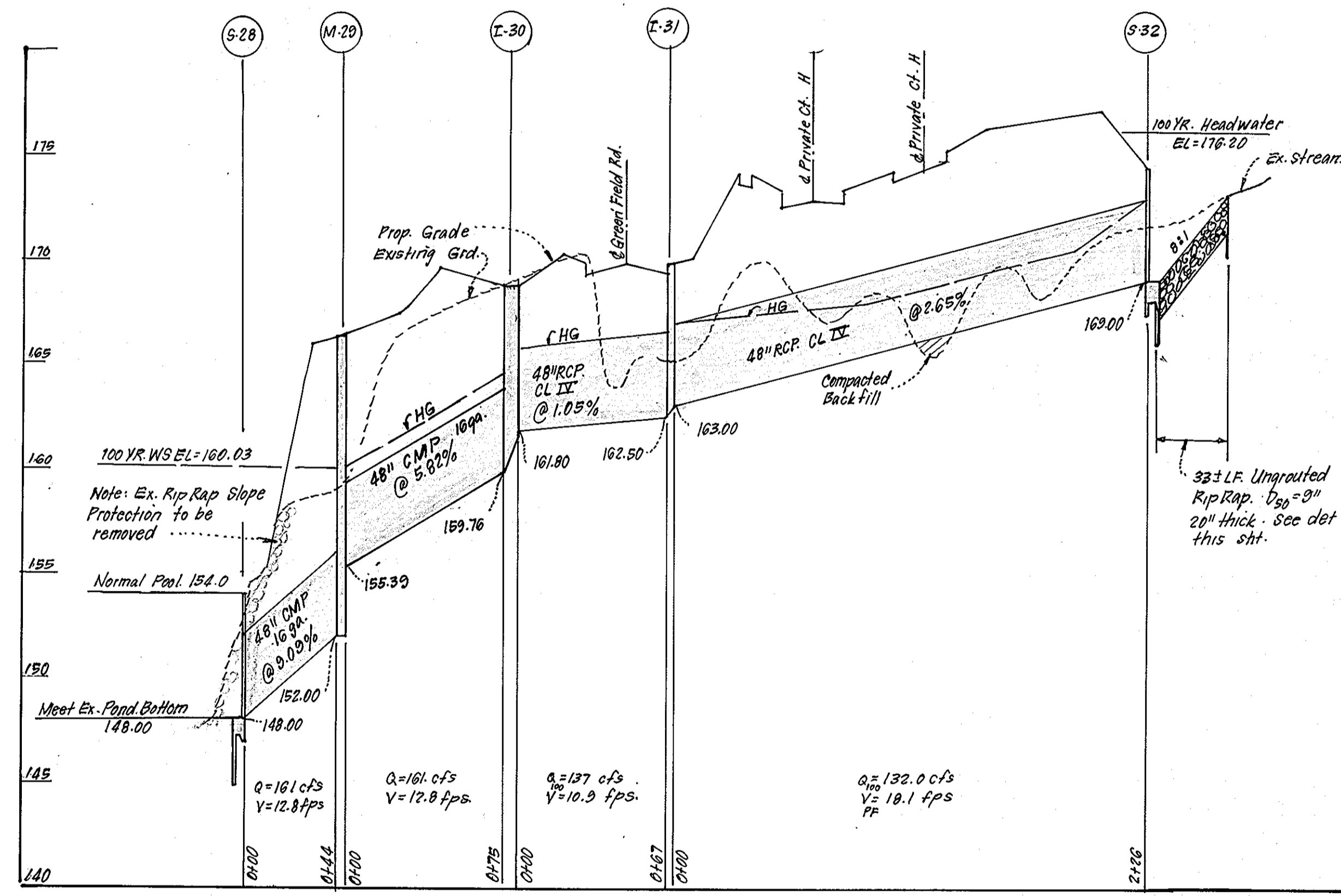
2 1/2" x 1/2" Corrugations
* 3" x 1" Corrugations.

No	TYPE	INV IN	INV OUT	TOP ELEVATION		REMARKS	LOCATION
				UPPER	LOWER		
6-3	A-Endwall	148.00	148.00	-	-	Ho. Co. Std. SD 5.11 Dia=36" See Plan	
M-2	Brick Manhole	162.9/162.78	159.50	167.50	-	" " " G 5.01 48" Rd. See Plan	
I-5	A-5 Inlet w/Defl.	174.00	169.82	179.17	178.93	" " " SD 4.01 W=4'0" See Plan	4 Str. Sta 7170 Green Field Rd 19' Lt.
I-6	D Inlet	174.00	173.62	179.83	-	" " " SD 4.11 48" Sq. See Plan	
M-7	Brick Manhole	178.80	178.55	186.00	-	" " " G 5.01 48" Rd. See Plan	
I-11	A-10 Inlet	-	176.00	179.60	-	" " " SD 4.02 W=2'6" See Plan	
I-12	A-10 Inlet w/Defl.	Ex. 180.5	179.62	185.94	185.50	" " " SD 4.02 W=2'6" 4 Str. Sta. 0145.90 Pr. Ct. 12' Rf.	
I-16	A-10 Inlet w/Defl.	172.50	172.25	176.96	176.52	" " " SD 4.02 W=3'6" 4 Str. Sta. 0145.78 Rockledge Ct. 14' Lt.	
M-17	Shallow Brick Manhole	174.11	174.01	180.23	-	" " " G 5.05 48" Sq. 4 Str. Sta. 1135.00 Rockledge Ct. 17.33 Lt.	
I-18	A-5 Inlet w/Defl.	174.60	174.44	180.87	180.53	" " " SD 4.01 W=2'6" 4 Str. Sta. 1133.20 Rockledge Ct. 14' Rf.	
M-19	Shallow Brick Manhole	176.23	176.13	182.00	-	" " " G 5.05 48" Sq. See Plan	
I-20	D Inlet	177.50	177.00	181.83	-	" " " SD 4.11 48" Sq. See Plan	
M-21	Brick Manhole	Ex. 200.4	196.00	204.00	-	" " " G 5.01 48" Rd. See Plan	
S-20	A-Endwall	148.00	148.00	-	-	" " " SD 5.11 48" Dia. See Plan	
M-29	Brick Manhole	155.39	152.00	166.40	-	" " " G 5.03 48" Rd. 4 Str. Sta. 1146.68 Green Field Rd 50' Rf.	
I-30	A-10 Inlet	164.4/162.80	159.76	168.80	-	" " " SD 4.02 W=6'0" See Plan	4 Str. Sta. 1214.86 Green Field Rd. 10' Lt.
I-31	A-10 Inlet	163.00	162.50	169.21	169.74	" " " SD 4.02 W=2'6" See Plan	
S-32	A-Endwall	163.00	163.00	-	-	" " " SD 5.11 Dia=48" See Plan	
I-33	A-5 Inlet w/Defl.	166.23	165.93	171.07	170.99	" " " SD 4.01 W=2'6" 4 Str. Sta. 12105.12 Green Field Rd 19' Rf.	
I-34	A-10 Inlet	167.35	167.75	171.02	170.85	" " " SD 4.02 W=2'6" 4 Str. Sta. 12111.14 Green Field Rd. 10' Lt.	
I-35	A-10 Inlet	-	170.70	174.20	-	" " " SD 4.02 W=2'6" See Plan	

Δ All Inverts to be Fully Developed, except str. M-20 & M-21
 # Provide Slots in all sides; modify inside dimension to 4'-0" Sq.
 * See Ho. Co. Std. SD 4.83 for Inlet Deflectors.
 + Precast Manhole G5.12 may be utilized instead of brick manhole.
 □ Precast Inlets may be utilized, see details shown on plan.



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



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."

Signature of Developer/Builder: *[Signature]* Date: 6-20-86

Reviewed for *[Signature]* S.C.D. Name: *[Signature]* and meets Technical Requirements *[Signature]* U.S. Soil Conservation Service Signature: *[Signature]* Date: 12-4-86

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

Approved: *[Signature]* Date: 12-4-86

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.

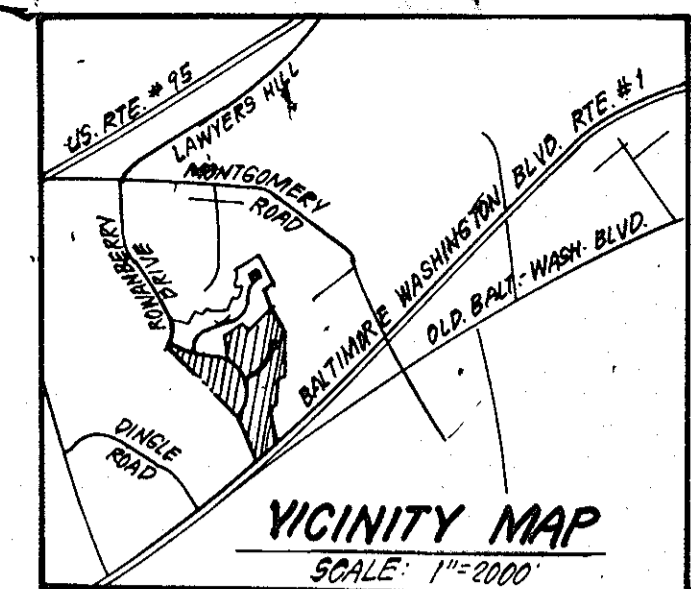
Signature: *[Signature]* Date: 6-20-86

1	Revised structure schedule	7-10-87
N.P.	REVISION	DATE
APPROVED: DEPARTMENT OF PUBLIC WORKS		
<i>[Signature]</i>		12-1-86
Chief Bureau of Engineering		Date
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING		
<i>[Signature]</i>		12-8-86
Chief, Division of Land Development & Zoning Administration		Date
CLARK · FINEROCK & SACKETT ENGINEERS · PLANNERS · SURVEYORS 11515 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20994 (301) 593-3400		
DESIGNED	JLS	SCALE
DRAWN	K/W	AS SHOWN
CHECKED	JLS	DRAWING
DATE	6-20-86	4 OF 6
ROAD CONSTRUCTION PLANS PAVING & STORM DRAIN DETAILS ROCKBURN COMMONS SECTION THREE 187 ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: ROCKBURN ASSOCIATES 802 Garrett Bldg. Baltimore Md. 21202		JOB NO. 84-071 FILE NO. 84-071-D

NOTE:
For Prop. grading shown outside
Limits of disturbed area, see
Grading Plans for Rockburn Commons,
Section 2 F-85-112

LEGEND

- 1. Existing Contour
- 2. Proposed Contour
- 3. Proposed Storm Drain
- 4. Straw Bale Dike or Silt Fence
- 5. Existing Straw Bale Dike or Silt Fence
- 6. Stabilized Construction Entrance



NOTE:
See previously approved Plans
F-85-112 for offsite Drainage Areas

A=1.0Ac L 50% R+P
C=.58 50% Lawn

A=0.9Ac K 70% R+P
C=.73 30% Lawn

A=4.8Ac M2 50% R+P
C=.58 50% Lawn

A=1.7Ac M 25% R+P
C=.39 75% Lawn

A=12.5Ac S 100% Comm.
C=.91

A=1.4Ac G 45% R+P
C=.54 55% Lawn

A=0.7Ac B 50% R+P
C=.58 50% Lawn

MARY BULMASH et al
662/693

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."

[Signature]
Signature of Developer/Builder
6-20-86
Date

APPROVED: Department of Public Works

[Signature]
Chief, Bureau of Engineering
12-2-86
Date

APPROVED: Howard County Office of Planning & Zoning

[Signature]
Chief, Division of Land Development & Zoning Administration
12-8-86
Date

ENGINEER'S CERTIFICATE

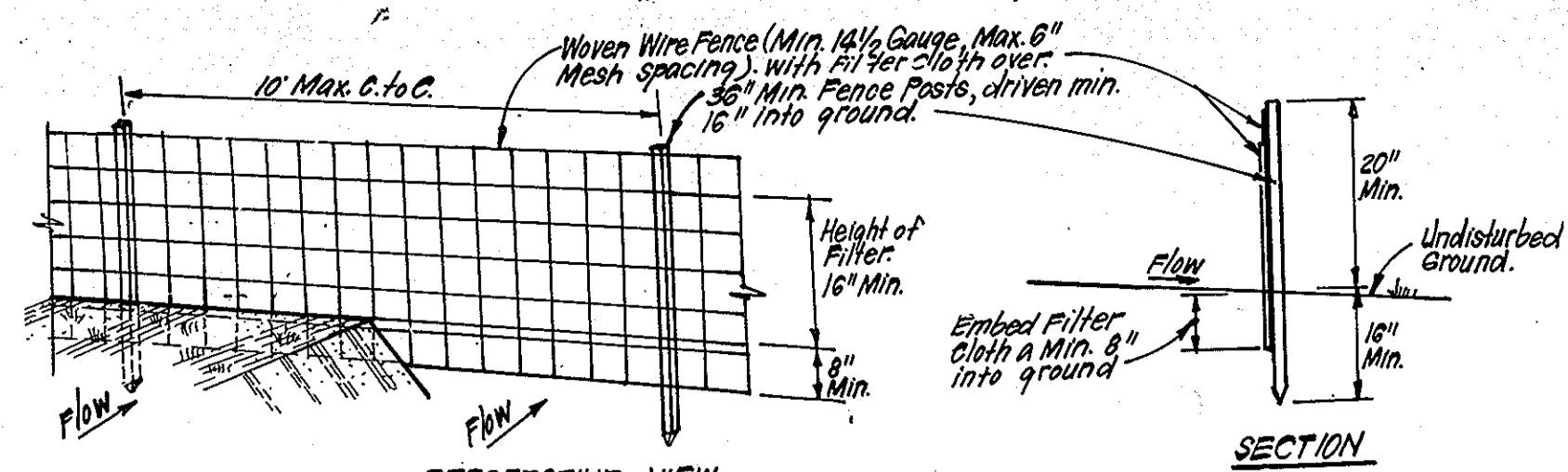
I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

[Signature]
Professional Engineer
6-20-86
Date

		CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 1135 LOCKWOOD DRIVE • SILVER SPRING MARYLAND 20904 • (301) 593-3400	
DESIGNED	ULS	ROAD CONSTRUCTION PLANS SEDIMENT & EROSION CONTROL PLANS AND DRAINAGE AREA MAP ROCKBURN COMMONS SECTION THREE 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: ROCKBURN ASSOCIATES 802 BARRETT BLVD BALTIMORE, MD. 21202	SCALE
DRAWN	K/W		AS SHOWN
CHECKED	ULS		5 OF 6
DATE	6-20-86		JOB NO.
			84-071
		FILE NO.	
		84-071-D	

Reviewed for *[Signature]* S.C.D.
Name
and meets Technical Requirements
[Signature] 12-4-86
Signature Date
U.S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED
FOR SOIL EROSION AND SEDIMENT
CONTROL BY THE HOWARD SOIL
CONSERVATION DISTRICT.
[Signature] 12-4-86
Approved Date

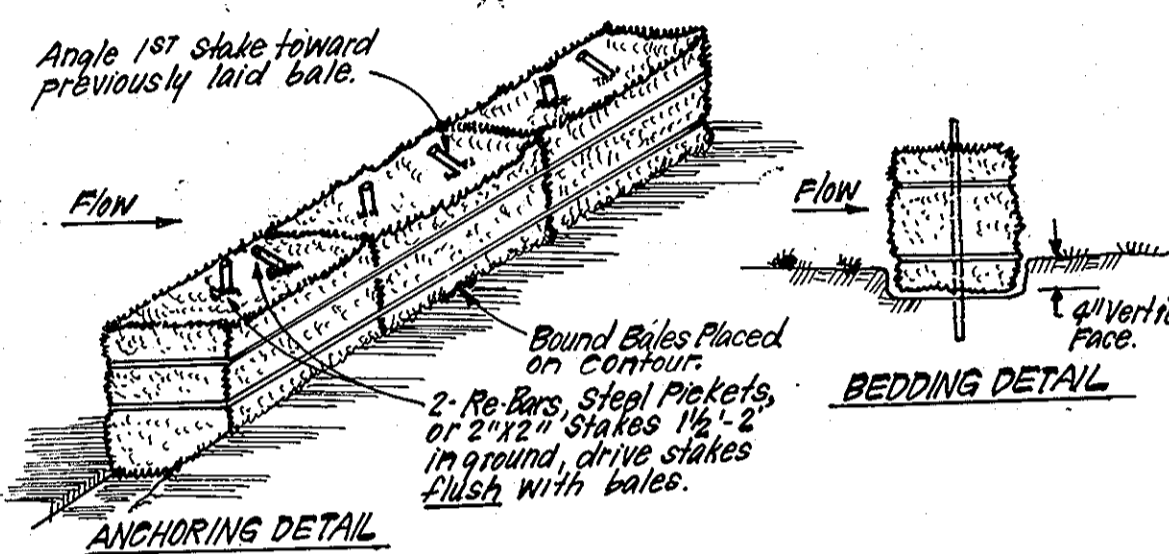
#1167



CONSTRUCTION SPECIFICATIONS:

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

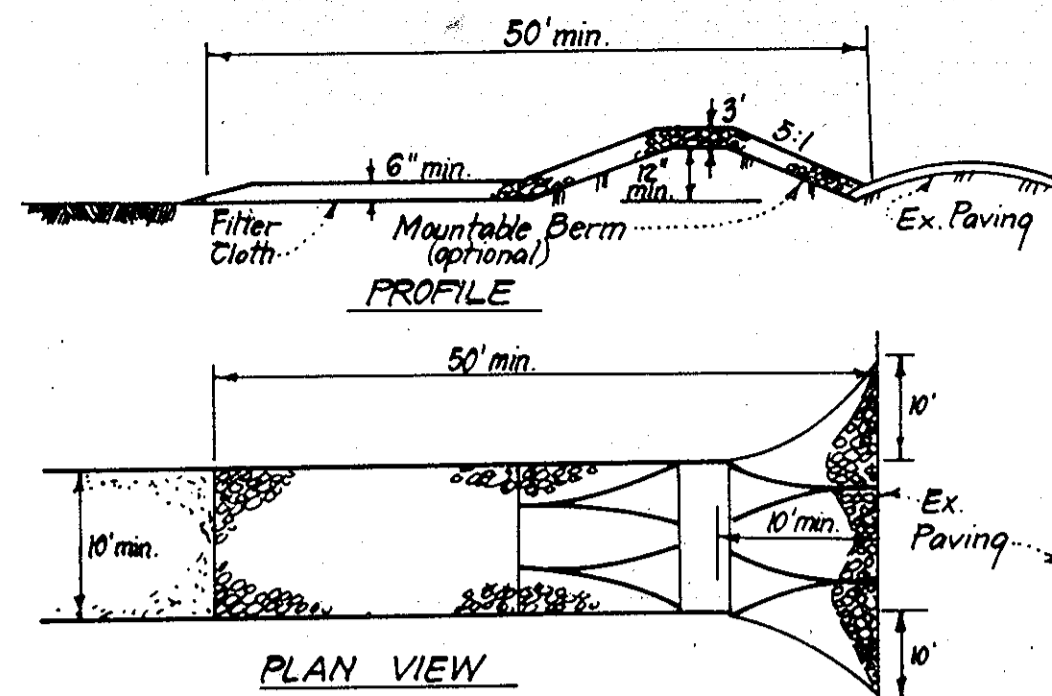
SILT FENCE DETAIL (S)
NO SCALE



CONSTRUCTION SPECIFICATIONS:

1. 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.
2. Each bale shall be embedded in the soil a min. of 4" and placed so the bindraps are horizontal.
3. 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 bales.
4. Inspection shall be frequent and repair/replacement shall be made promptly as needed.
5. 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:

1. Stone size - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
5. 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.
6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mounded berm with 5:1 slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone. In conditions of demand and repair and/or cleanup of any means used to trap sediment. All sediment spilled, trapped, washed or tracked onto public rights-of-way must be removed immediately.
8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-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.
9. Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE (SCE)
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.

Seeded 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

- 1) 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).
- 2) 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.

Seeding - For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

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 gallons per acre (8 gal/1000 sq ft) for anchoring.

Maintenance - Inspect all seeded areas and make needed repairs, replacements and reseeds.

TEMPORARY SEEDING NOTES

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

Seeded 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)

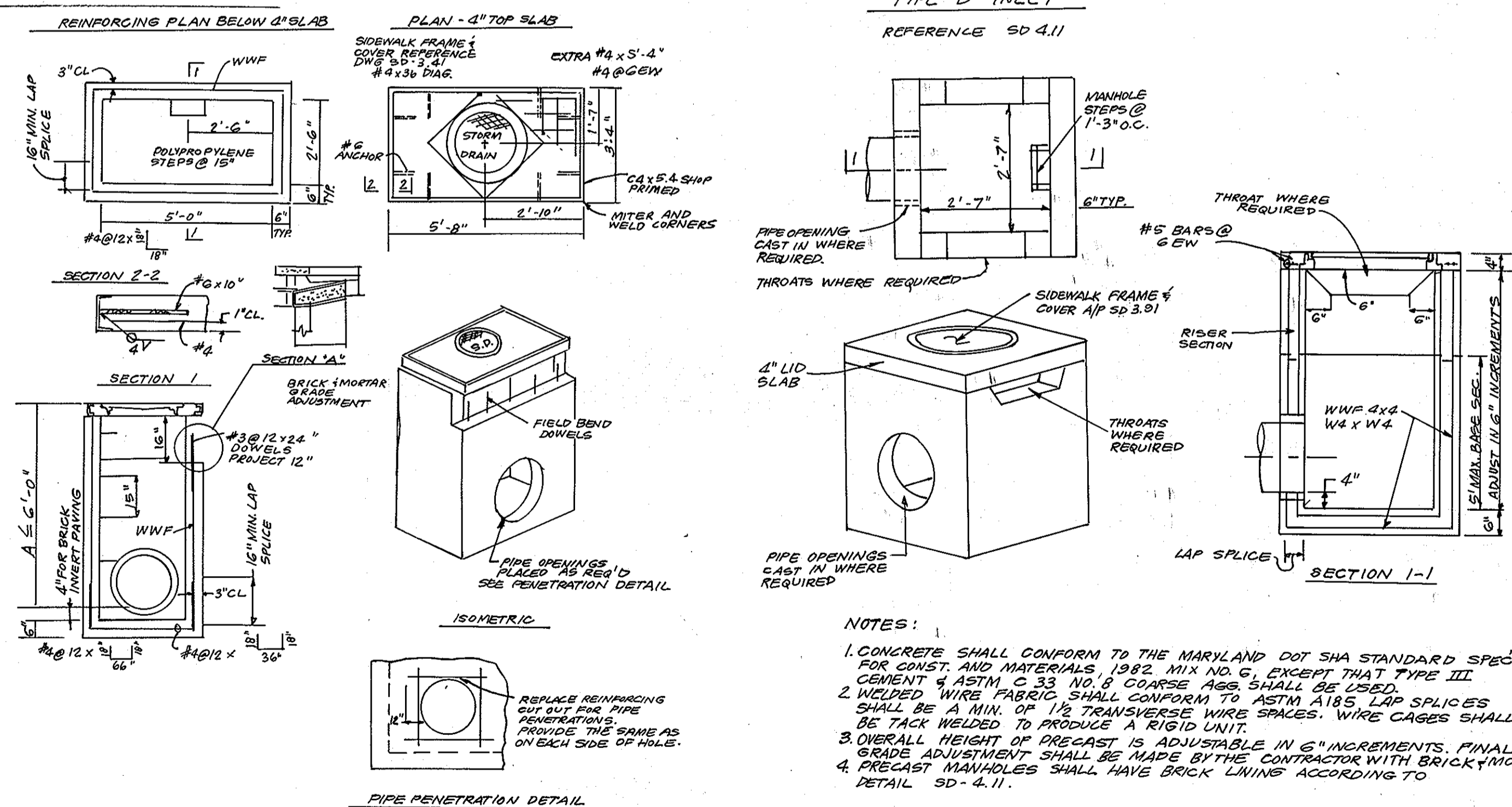
Seeding - For periods March 1 thru April 30 and from August 15 thru November 15, seed with 24 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect 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 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft 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 SEQUENCE

	# DAYS
1. Obtain Grading Permit.	2
2. Cleanout and restore existing sediment basin and install SBD/S and SCE.	14
3. Construct storm drainage.	60
4. Clear and rough grade site.	30
5. Construct utilities.	90
6. Fine grade and construct paving.	180
7. Stabilize all disturbed areas on site in accordance with standards and specs.	30
8. Upon approval of Sediment Control Inspector, remove sediment and erosion control measures and convert ex sediment basin to SWM pond in accordance with previously approved plans for Rockburn Commons Sect. 2 F-85-112.	30



NOTES:

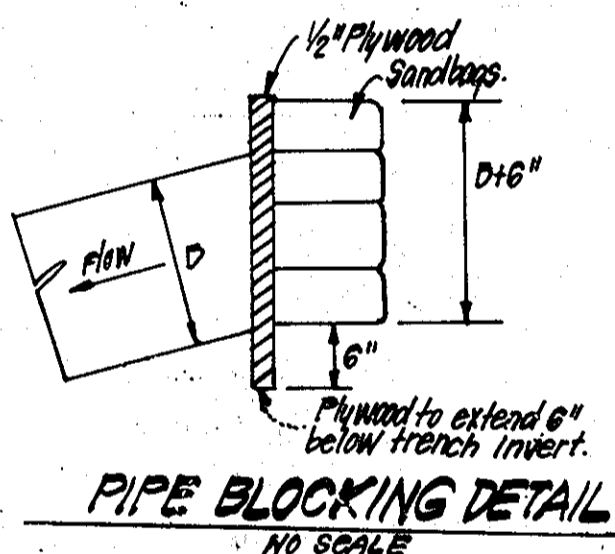
1. CONCRETE SHALL CONFORM TO MARYLAND DOT STANDARD SPEC'S FOR CONSTRUCTION MATERIALS 1982, MIX NO. 6, EXCEPT THAT TYPE III CEMENT & ASTM C 33 NO. 8 COARSE AGGREGATE SHALL BE USED.
2. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 LAP SPICES SHALL BE A MIN. OF 1 1/2 TRANSVERSE WIRE SPACES. WIRE CAGES SHALL BE TACK WELDED TO PRODUCE A RIGID UNIT.
3. OVERALL HEIGHT OF PRECAST IS ADJUSTABLE IN 6" INCREMENTS. FINAL GRADE ADJUSTMENT SHALL BE MADE BY THE CONTRACTOR WITH BRICK/MORTAR.
4. PRECAST MANHOLES SHALL HAVE BRICK LINING ACCORDING TO DETAIL SD-4.11.

TYPE "D" INLET
NO SCALE

NOTES:

1. CONCRETE SHALL CONFORM TO MARYLAND DOT STANDARD SPECIFICATION FOR CONSTRUCTION MATERIALS 1982, MIX NO. 6 (MODIFIED), FC-4500 PSI/28 DAYS, CEMENT SHALL BE TYPE III AND PENNDOT # 8 COARSE AGGREGATES ARE USED W.W.F IS W.W.F # 4 & 6 - 14" X 14" (.12 IN. I.P.T).
2. POLYPROPYLENE STEPS SHALL BE TYPE PS 4 OR PS 5 AS MANUFACTURED BY M.A. INDUSTRIES, INC. STEPS SHALL BE INSTALLED INLINE @ 15" O.C. WHERE A > 3'-6".
3. REFERENCE DRAWING FOR TYPE A-5 INLET IS NO. CO. STD. DWS. NO. SD-4.01.
4. REINFORCING SCHEDULE IS BASED ON USD METHOD AND DESIGN LOADS AS SPECIFIED IN AASHTO STANDARD SPEC. FOR HIGHWAY BRIDGES, 12TH EDITION, 1977 AND INTERIM SPECIFICATIONS.
5. WEIGHTS: 4" TOP SLAB = 250' MAX. INLET BOX WT. = 7200' RISER WT. 1/2" = 1300' 1/2"
6. PRECAST MANHOLES SHALL HAVE BRICK LINING ACCORDING TO DETAIL SD-4.01.

TYPE A-5 INLET
NO SCALE



PIPE BLOCKING DETAIL
NO SCALE

Reviewed for... S.C.D. Name... and meets Technical Requirements... U.S. Soil Conservation Service... THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.

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."

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 County Conservation District.

1	Details "A-5" "D" Inlets added.	7-10-87
APPROVED: DEPARTMENT OF PUBLIC WORKS		DATE
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING		DATE
APPROVED: CLARK · FINEFROCK & SACKETT		DATE
<p>CLARK · FINEFROCK & SACKETT ENGINEERS · PLANNERS · SURVEYORS</p> <p>11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400</p>		
DESIGNED	JLS	SCALE AS SHOWN
DRAWN	KIW	DRAWING 16 OF 6
CHECKED	JLS	JOB NO. 84-071
DATE	6-20-86	FILE NO. 84-071-D
<p>ROAD CONSTRUCTION PLANS SEDIMENT & EROSION CONTROL DETAILS</p> <p>ROCKBURN COMMONS SECTION THREE 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND</p> <p>FOR: ROCKBURN ASSOCIATES 802 Garrett Bldg. Baltimore Md. 21202</p>		