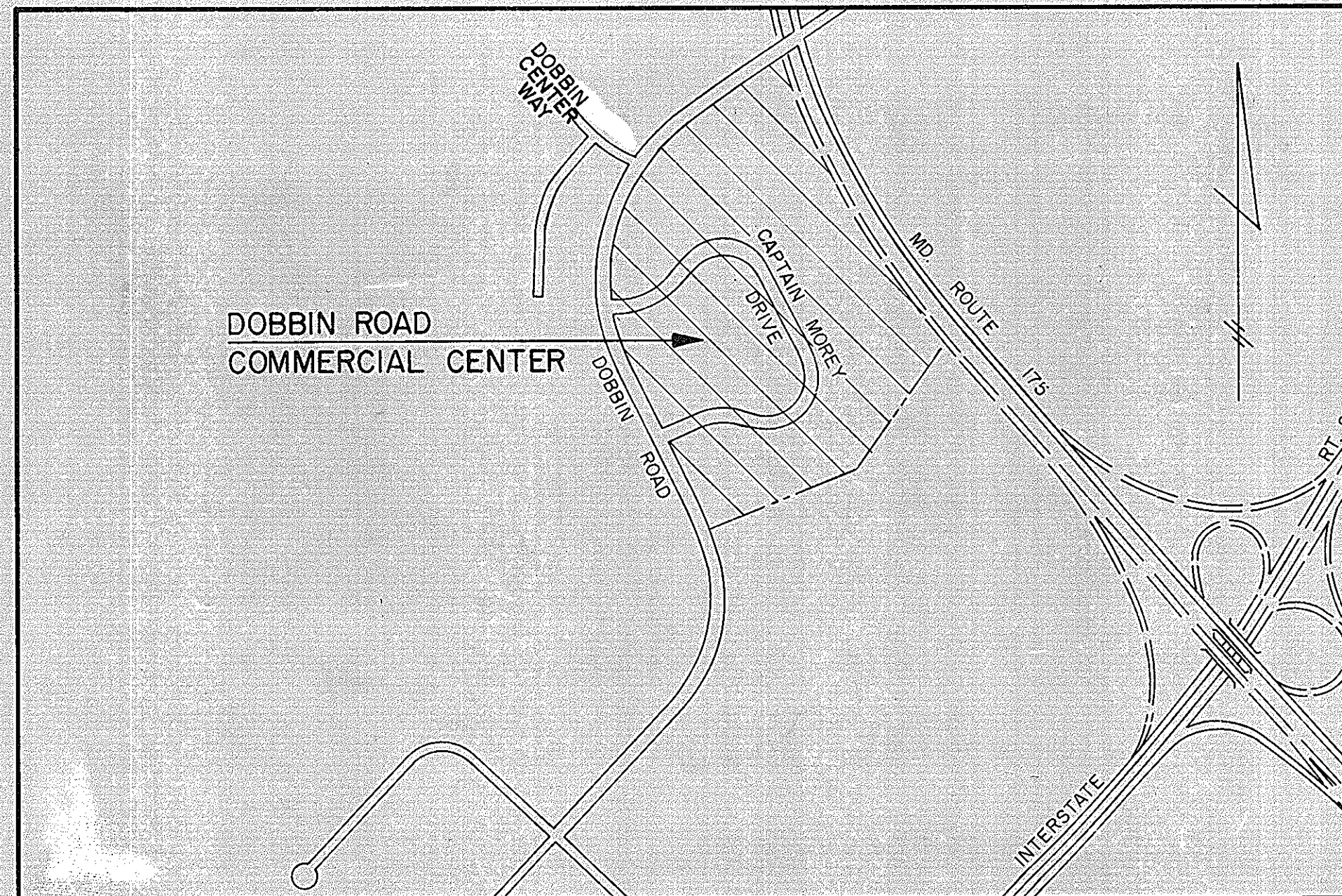


GENERAL NOTES

1. TOTAL AREA OF TRACT .. 40.475 ACRES
2. PRESENT ZONING - NEW TOWN, EMPLOYMENT CENTER
3. PROPOSED USE - RETAIL STORES
4. FINAL DEVELOPMENT PLAN PHASE 132-A AND 132-A-1
PLAT BOOK REFERENCE 28/62-66 AND 3054A/280-284
5. SEDIMENT AND EROSION CONTROL MEASURES SHOWN ON
SITE DEVELOPMENT PLAN SDP 81-51c DRAWINGS NOS. 7, 8
AND 9 SHALL BE IN PLACE AND APPROVED BY THE OFFICE
OF LICENSES AND PERMITS PRIOR TO STORM DRAIN CONSTRUCTION.
6. ALL CONCRETE PIPE SHALL BE CLASS IV UNLESS OTHERWISE
NOTED.
7. ALL DRAINAGE STRUCTURES SHALL HAVE 12" WALL THICKNESS
BELOW 12' DEPTH.
8. EXISTING ELEVATIONS HAVE BEEN DERIVED FROM PLANS
PREPARED BY CENTURY ENGINEERING, INC. ENTITLED "COLUMBIA
AUTOPARK", DATED 1-15-75.
9. ALL UTILITIES AND APPURTENANCES SALVAGED DURING
CONSTRUCTION SHALL BE RETURNED TO THE OWNER OR
DISPOSED OF AS DIRECTED BY THE OWNERS REPRESENTATIVE.
10. ALL CONSTRUCTION STAKEOUT SHALL BE THE RESPONSIBILITY
OF THE CONTRACTOR.
11. ALL MATERIALS AND CONSTRUCTION SHOWN HEREON SHALL BE
IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION
CODE AND STANDARD SPECIFICATIONS.
12. THE CONTRACTOR SHALL NOTIFY 'MISS UTILITY' AT 559-0100
THREE DAYS PRIOR TO BEGINNING ANY CONSTRUCTION OR GRADING.
13. THE LOCATION OF EXISTING UTILITIES HAS BEEN SHOWN FROM
INFORMATION ON FILE WITHIN THE HOWARD COUNTY DEPARTMENT OF
PUBLIC WORKS. THE CONTRACTOR SHALL DETERMINE THE EXACT
LOCATION PRIOR TO CONSTRUCTING PROPOSED UTILITIES.
14. FOR SITE LAYOUT AND GRADING PLANS SEE "DOBBIN ROAD
COMMERCIAL CENTER SITE DEVELOPEMENT PLAN" SDP 81-51C.
15. FOR PLAN AND PROFILE OF STORM DRAINS LABELED (PRIVATE)
SEE "DOBBIN ROAD COMMERCIAL CENTER SITE DEVELOPMENT PLAN",
SDP 81-51C.
16. FOR REMOVAL OF SEDIMENT BASIN NO.1 AND CONVERSION OF
SEDIMENT BASIN NO.2, SEE SDP 81-51C.

DOBBIN ROAD COMMERCIAL CENTER

STORM DRAINS STORM WATER MANAGEMENT



LOCATION MAP

SCALE: 1" = 600'

OWNER AND DEVELOPER

THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
COLUMBIA INDUSTRIAL DEVELOPMENT CORPORATION
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

INDEX OF SHEETS

1. TITLE SHEET
2. STORM DRAIN PLAN
3. STORM DRAIN PLAN
4. STORM DRAIN PROFILES
5. DRAINAGE DETAILS
6. STORM WATER MANAGEMENT PROFILES & DETAILS
7. DRAINAGE AREA MAP
8. DRAINAGE AREA MAP

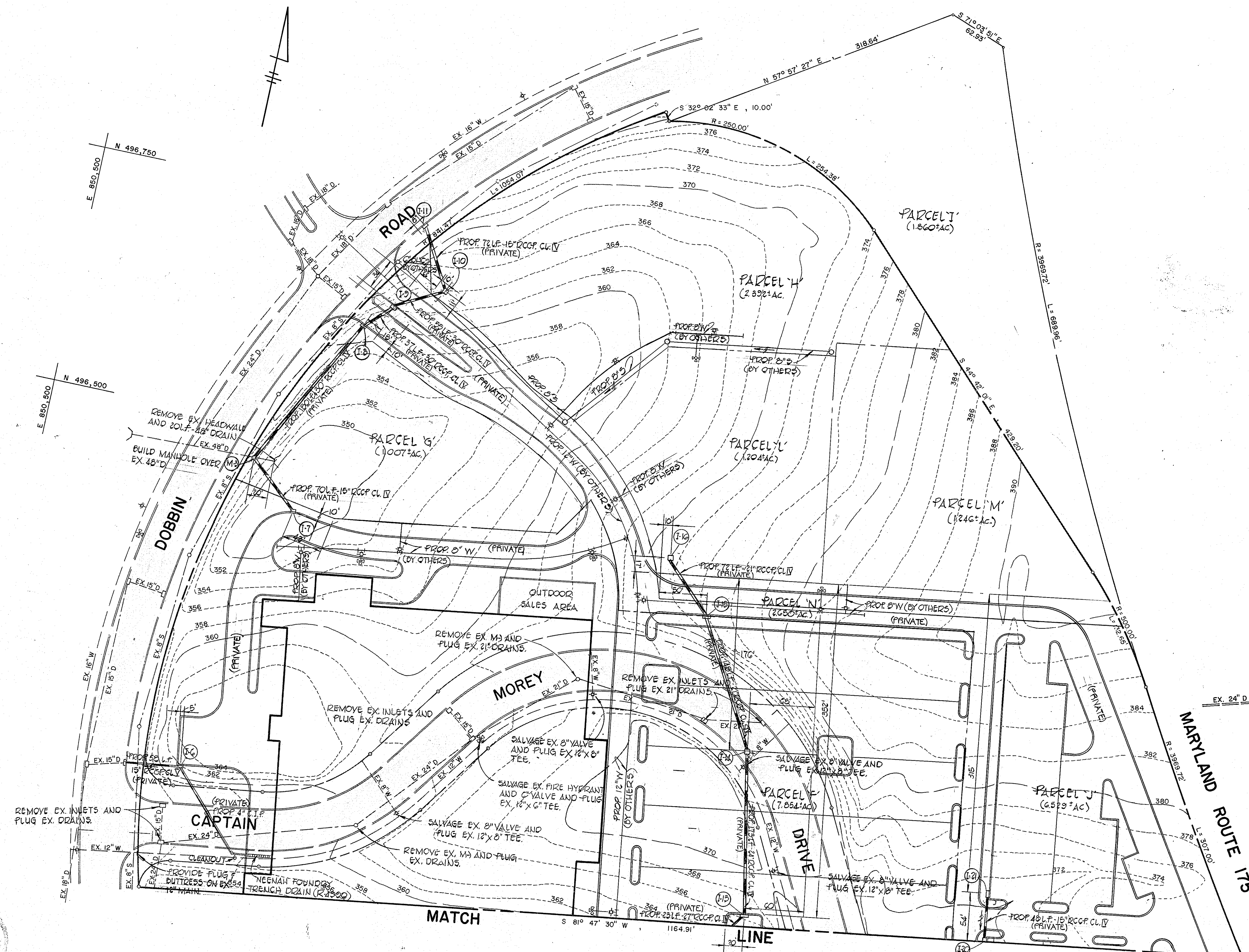
RONALD B. O'CONNEL, L.S. No. 10704

FISHER, COLLINS AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
8388 COURT AVENUE
ELLCOTT CITY, MARYLAND 21043
TELEPHONE: (301) 461-2855

APPROVED: DEPARTMENT OF PUBLIC WORKS
[Signature] 2-2-81
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: OFFICE OF PLANNING AND ZONING
[Signature] 1-30-81
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

Rev. Date	Rev. No.	Revision Description
COLUMBIA MARYLAND		
PARCELS A-N		
PROJECT AREA DOBBIN ROAD COMMERCIAL CENTER SECTION I - AREA I		
6TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND		
PROJECT TITLE DOBBIN ROAD HOME IMPROVEMENT CENTER TITLE SHEET		
Des. By	R.B.C.	Scale AS SHOWN Dwg. No. 1 OF 8
Drn. By	D.B.S.	Date 9-15-80 C.C.F. No.
Chk. By	E.O.C.	Approved

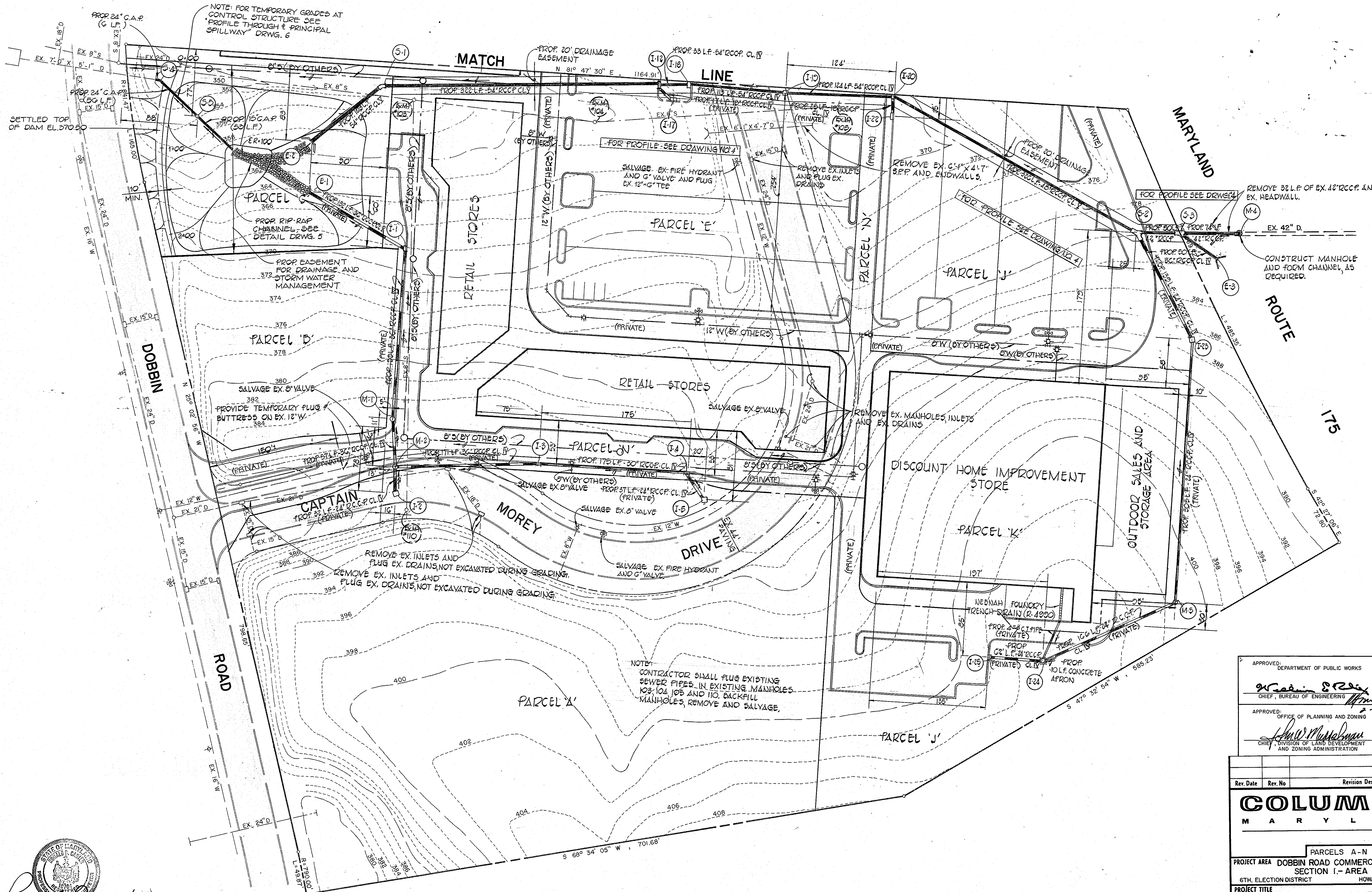


Ronald B. Carter 9/22/80

FISHER, COLLINS AND CARTER, INC.
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OWNER AND DEVELOPER
 THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
 AND COLUMBIA INDUSTRIAL DEVELOPMENT CORPORATION
 10275 LITTLE PATUXENT PARKWAY
 COLUMBIA, MARYLAND 21044

APPROVED: DEPARTMENT OF PUBLIC WORKS		
<i>Richard E. P...</i> CHIEF, BUREAU OF ENGINEERING		2-4-81 DATE
APPROVED: OFFICE OF PLANNING AND ZONING		
<i>Shall...</i> CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION		1-20-81 DATE
Rev. Date	Rev. No.	Revision Description
COLUMBIA MARYLAND		
PROJECT AREA: PARCELS A-N DOBBIN ROAD COMMERCIAL CENTER SECTION I AREA I 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
PROJECT TITLE: DOBBIN ROAD HOME IMPROVEMENT CENTER STORM DRAIN PLAN		
Des. By R.B.C.	Scale 1" = 50'	Dwg. No. 2 OF 6
Drn. By T.A.F.	Date 9-15-80	C.C.F. No.
Chk. By E.D.C.	Approved	



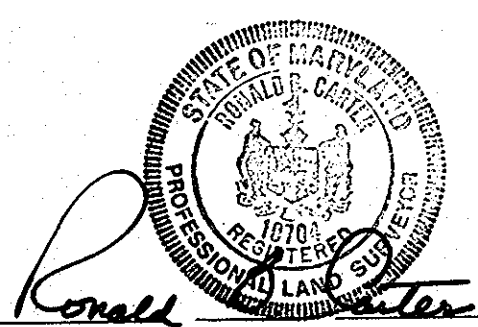
NOTE: FOR TEMPORARY GRADES AT CONTROL STRUCTURE SEE PROFILE THROUGH PRINCIPAL SPILLWAY DRWG. 6

NOTE: CONTRACTOR SHALL PLUG EXISTING SEWER PIPES IN EXISTING MANHOLES 103, 104, 105 AND 110. BACKFILL MANHOLES, REMOVE AND SALVAGE.

APPROVED: DEPARTMENT OF PUBLIC WORKS
William S. [Signature] 2-4-81
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: OFFICE OF PLANNING AND ZONING
[Signature] 1-30-81
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

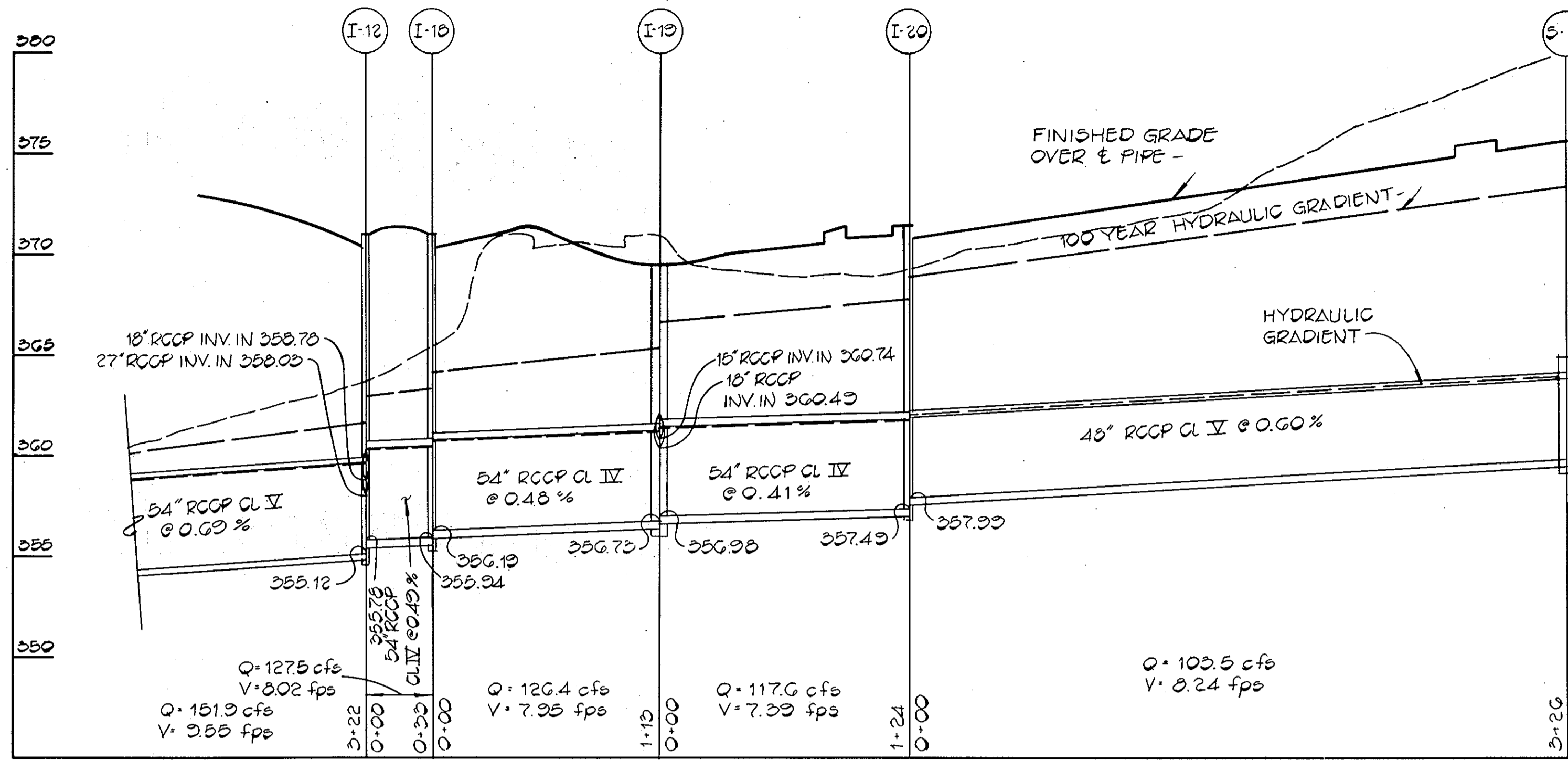
Rev. Date	Rev. No.	Revision Description
COLUMBIA MARYLAND		
PARCELS A - N		
PROJECT AREA DOBBIN ROAD COMMERCIAL CENTER SECTION I - AREA I.		
6TH. ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
PROJECT TITLE DOBBIN ROAD HOME IMPROVEMENT CENTER STORM DRAIN PLAN		
Des. By C.J.C.	Scale 1" = 50'	Dwg. No. 3 OF 8
Drn. By T.A.F.	Date 9-15-80	C.C.F. No.
Chk. By E.D.C.	Approved	



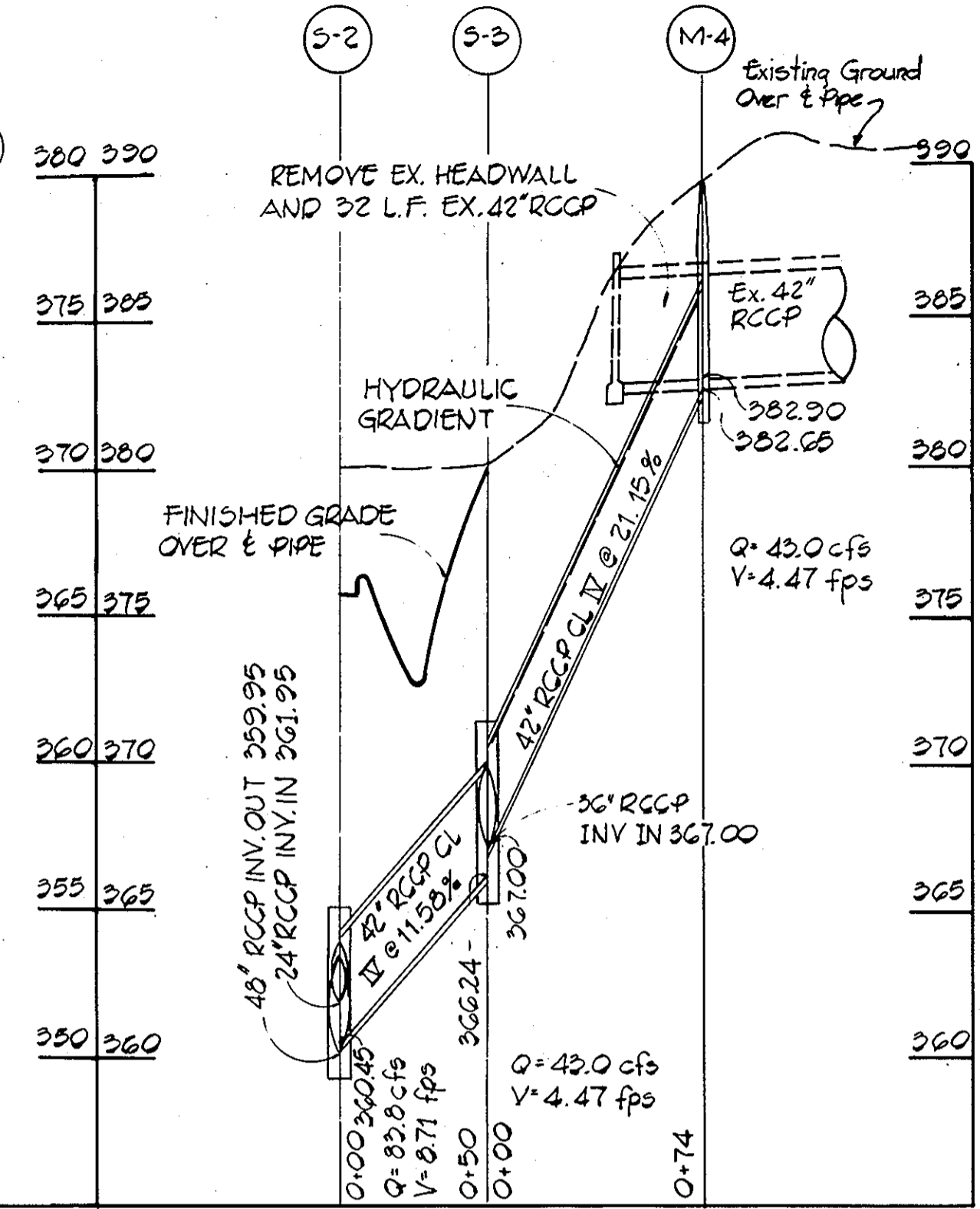
FISHER, COLLINS AND CARTER, INC.
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 8388 COURT AVENUE
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 10275 LITTLE PATUXENT PARKWAY
 COLUMBIA, MARYLAND 21044

FOR PLAN SEE DRAWING NO.3



FOR PLAN SEE DRAWING NO.3

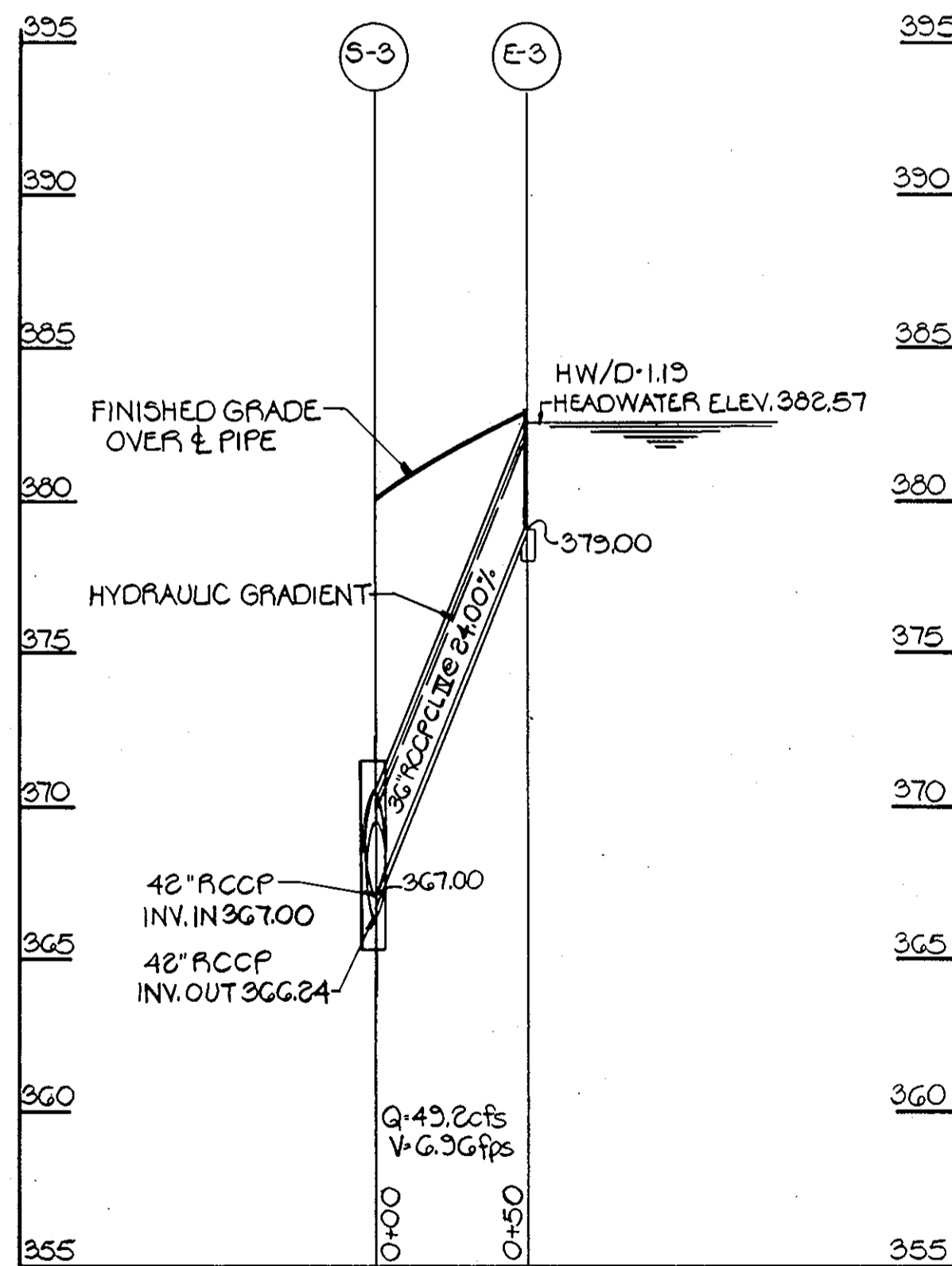


STRUCTURE SCHEDULE

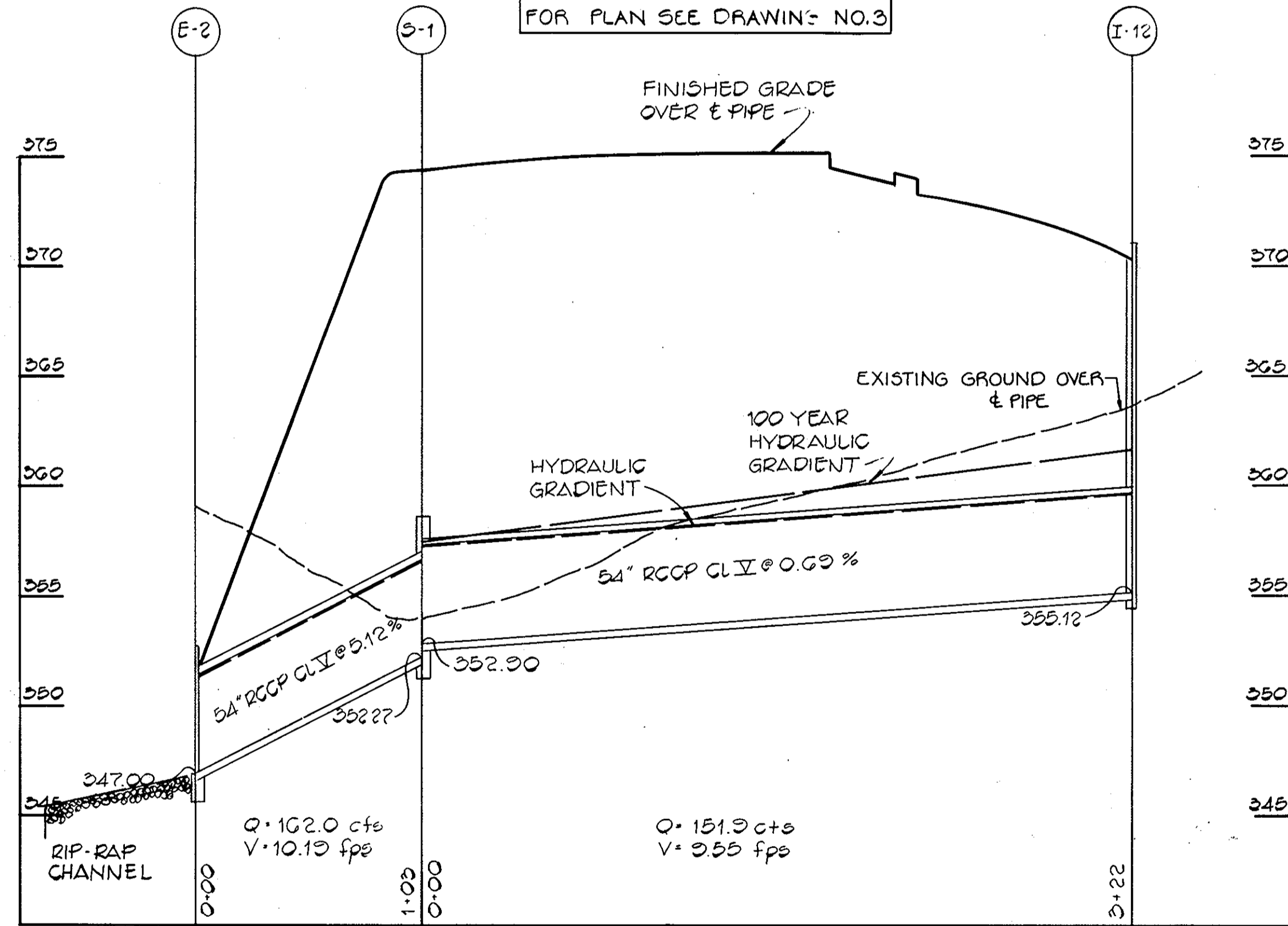
NO.	TYPE	INV. IN.	INV. OUT.	TOP. ELEV.	REMARKS
I-1	A-5 (PRIVATE)	361.41	360.60	374.10	DRAWING D64-A PAGE 119-A
I-2	"C" (PRIVATE)	-	372.46	373.83	DRAWING D64-C PAGE 119C
I-3	A-5 (PRIVATE)	366.20	365.70	373.75	DRAWING D64-A PAGE 119-A
I-4	A-5 (PRIVATE)	368.45	367.95	373.60	
I-5	"C" (PRIVATE)	-	373.50	378.83	DRAWING D64-C PAGE 119-C
I-6	A-5 (PRIVATE)	-	355.75	371.60	DRAWING D64-A PAGE 119-A
I-7	A-5 (PRIVATE)	-	367.59	372.20	
I-8	A-10 WITH DEFLECTORS (PRIVATE)	357.60	357.35	365.75	
I-9	A-5 WITH DEFLECTORS (PRIVATE)	358.85	358.60	367.45	
I-10	"C" (PRIVATE)	361.09	359.84	366.83	DRAWING D64-C PAGE 119-C
I-11	A-5 WITH DEFLECTORS (PRIVATE)	-	365.41	369.75	DRAWING D64-A PAGE 119-A
I-12	A-10	358.78	355.12	371.00	
I-13	A-10 (PRIVATE)	364.99	364.09	371.00	
I-14	DOUBLE "S" (PRIVATE)	366.52	366.27	372.30	SEE SHEET 6 OF 12 SDP 81-51C
I-15	A-5 (PRIVATE)	368.40	368.15	374.85	DRAWING D64-A PAGE 119-A
I-16	"C" (PRIVATE)	-	369.00	373.83	DRAWING D64-C PAGE 119-C
I-17	A-10 (PRIVATE)	-	366.40	371.00	DRAWING 64-A PAGE 119-A
I-18	A-10	365.19	355.94	371.00	
I-19	MODIFIED "S" 4 GRATES	356.98	356.73	369.50	SEE SHEET 5 OF 8
I-20	A-10	360.74	357.49	371.40	DRAWING 64-A PAGE 119-A
I-21	A-5 (PRIVATE)	-	367.85	372.45	
I-22	A-10 WITH DEFLECTORS (PRIVATE)	-	367.00	371.60	
I-23	"C" (PRIVATE)	364.79	363.87	371.83	DRAWING D64-C PAGE 119-C
I-24	"C" (PRIVATE)	368.87	368.62	374.50	DRAWING D64-C PAGE 119-C
I-25	A-5 (PRIVATE)	-	369.30	373.90	DRAWING 64-A PAGE 119-A
M-1	STANDARD (PRIVATE)	363.25	363.00	376.25	DRAWING D-103 PAGE 158
M-2	STANDARD (PRIVATE)	365.79	363.71	376.70	
M-3	STANDARD (PRIVATE)	351.00	345.50	361.00	
M-4	TYPE "B" SHALLOW MANHOLE	382.90	382.65	389.75	SEE SHEET 5 OF 8
M-5	STANDARD (PRIVATE)	367.36	367.11	377.00	DRAWING D-103 PAGE 158
S-1	JUNCTION CHAMBER	352.27	352.90	358.86	SEE SHEET 5 OF 8
S-2	JUNCTION CHAMBER	361.95	359.95	365.37	SEE SHEET 5 OF 8
S-3	JUNCTION CHAMBER	367.00	366.24	371.88	SEE SHEET 5 OF 8
E-1	TYPE "B" SMALL (PRIVATE)	-	347.00	351.00	DRAWING D-48 PAGE 103
E-2	TYPE "B" SMALL	-	347.00	352.50	DRAWING D-48 PAGE 103
E-3	TYPE "E"	379.00	-	383.00	DRAWING D-54 PAGE 109
S-4	JUNCTION CHAMBER	342.90	342.85	345.90	SEE SHEET 5 OF 8

PROFILES

HOR: 1"=50'
VERT: 1"=5'



FOR PLAN SEE DRAWING NO.3



PROFILES

HOR: 1"=50'
VERT: 1"=5'



Ronald R. Carter 9/22/80

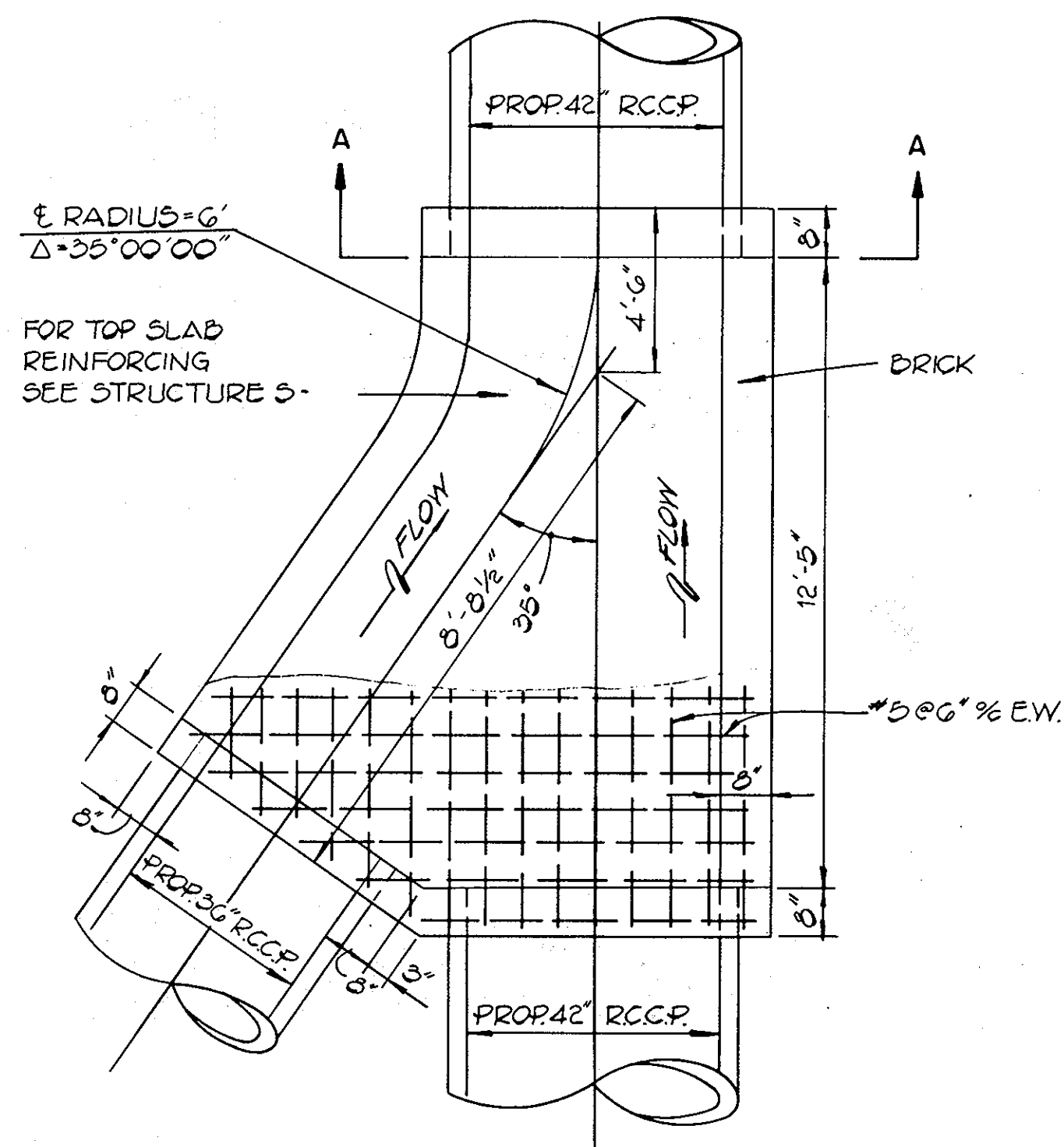
FISHER, COLLINS AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
8388 COURT AVENUE
ELLICOTT CITY, MARYLAND 21043
TELEPHONE: (301) 461-2855

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AND COLUMBIA INDUSTRIAL DEVELOPMENT CORPORATION
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

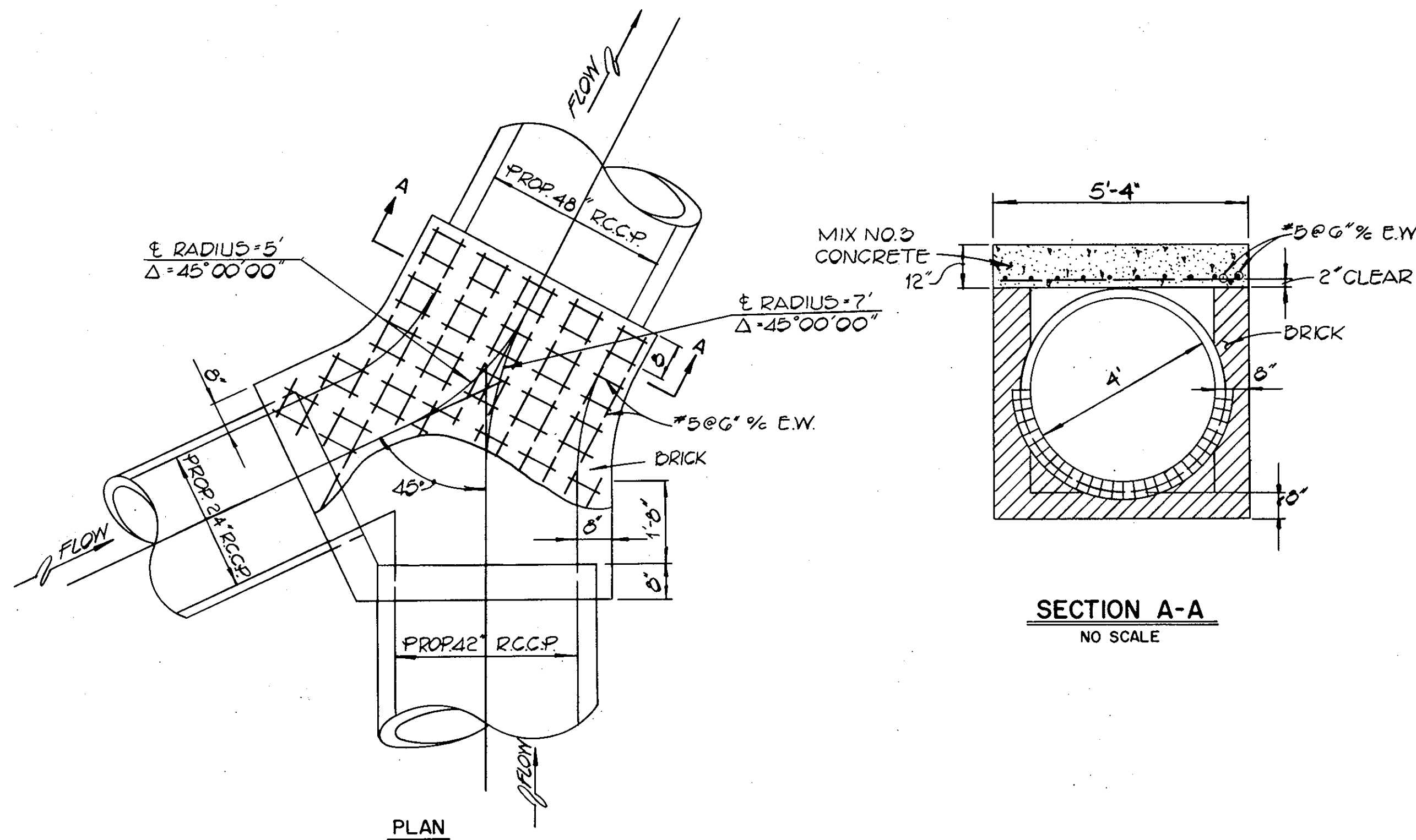
APPROVED: DEPARTMENT OF PUBLIC WORKS
Michael E. Ryan 2-4-81
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: OFFICE OF PLANNING AND ZONING
John W. Murrain 1-30-81
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

Rev. Date	Rev. No.	Revision Description
COLUMBIA MARYLAND		
PARCELS A-N		
PROJECT AREA DOBBIN ROAD COMMERCIAL CENTER SECTION I AREA I		
6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
PROJECT TITLE DOBBIN ROAD HOME IMPROVEMENT CENTER STORM DRAIN PROFILES		
Des. By C.J.C.	Scale AS SHOWN	Dwg. No. 4 OF 8
Drn. By D.B.S.	Date 9-15-80	C.C.F. No.
Chk. By E.D.C.	Approved	

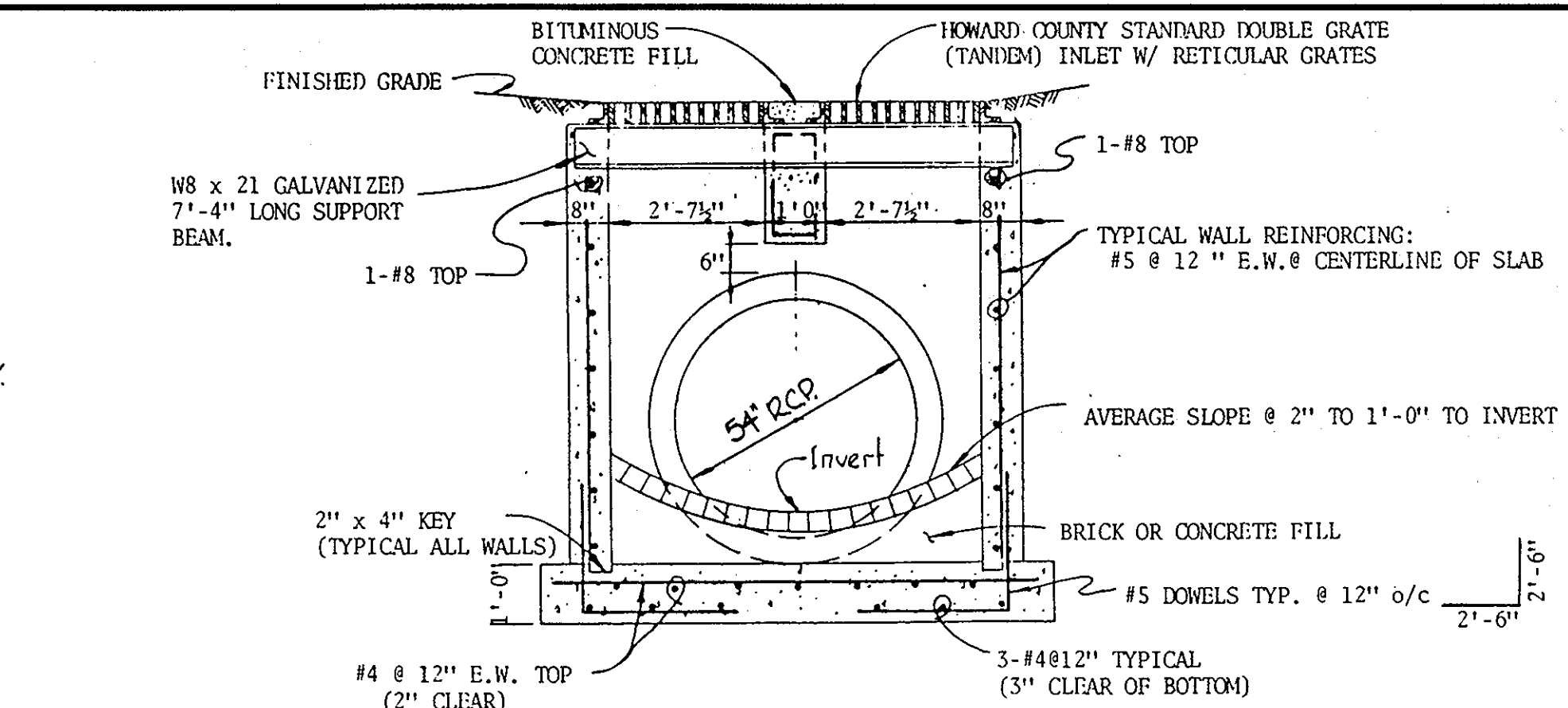


PLAN
STRUCTURE NO. S-3
NO SCALE

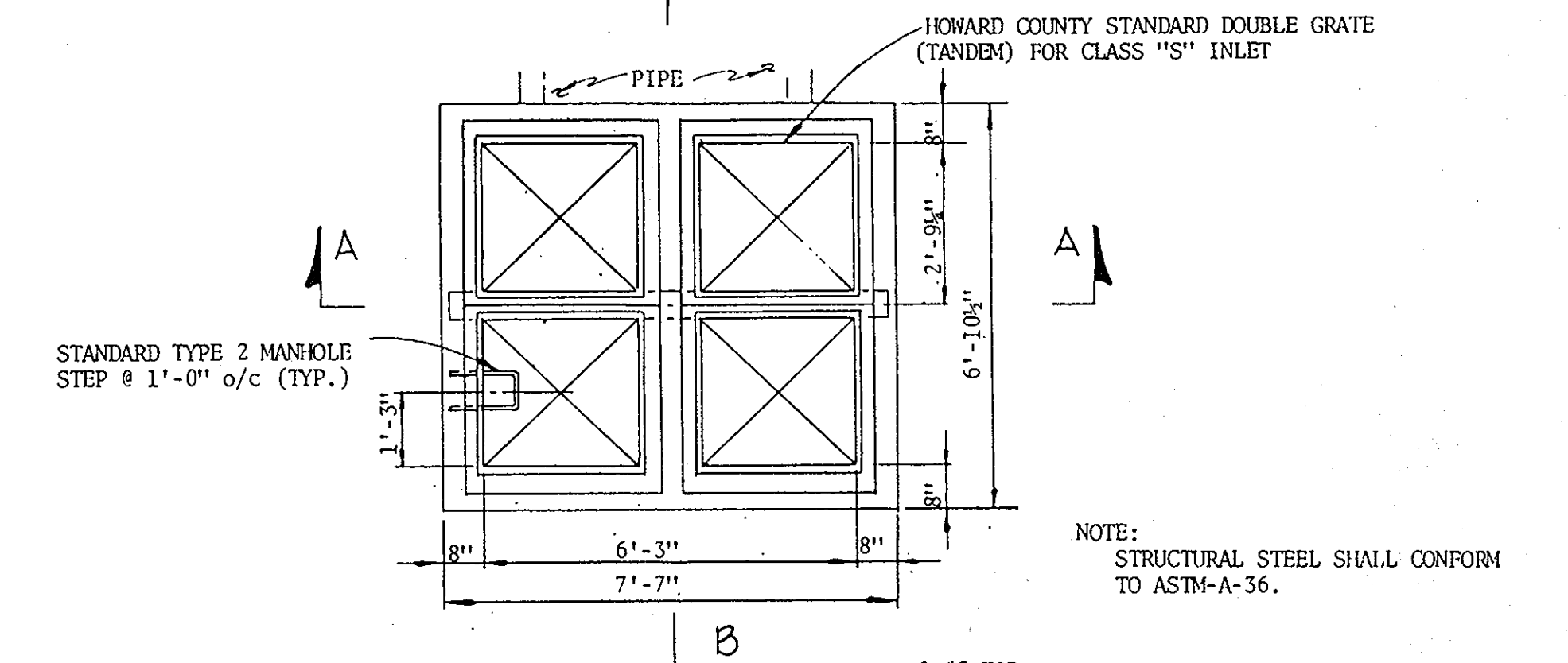


PLAN
STRUCTURE NO. S-2
NO SCALE

SECTION A-A
NO SCALE

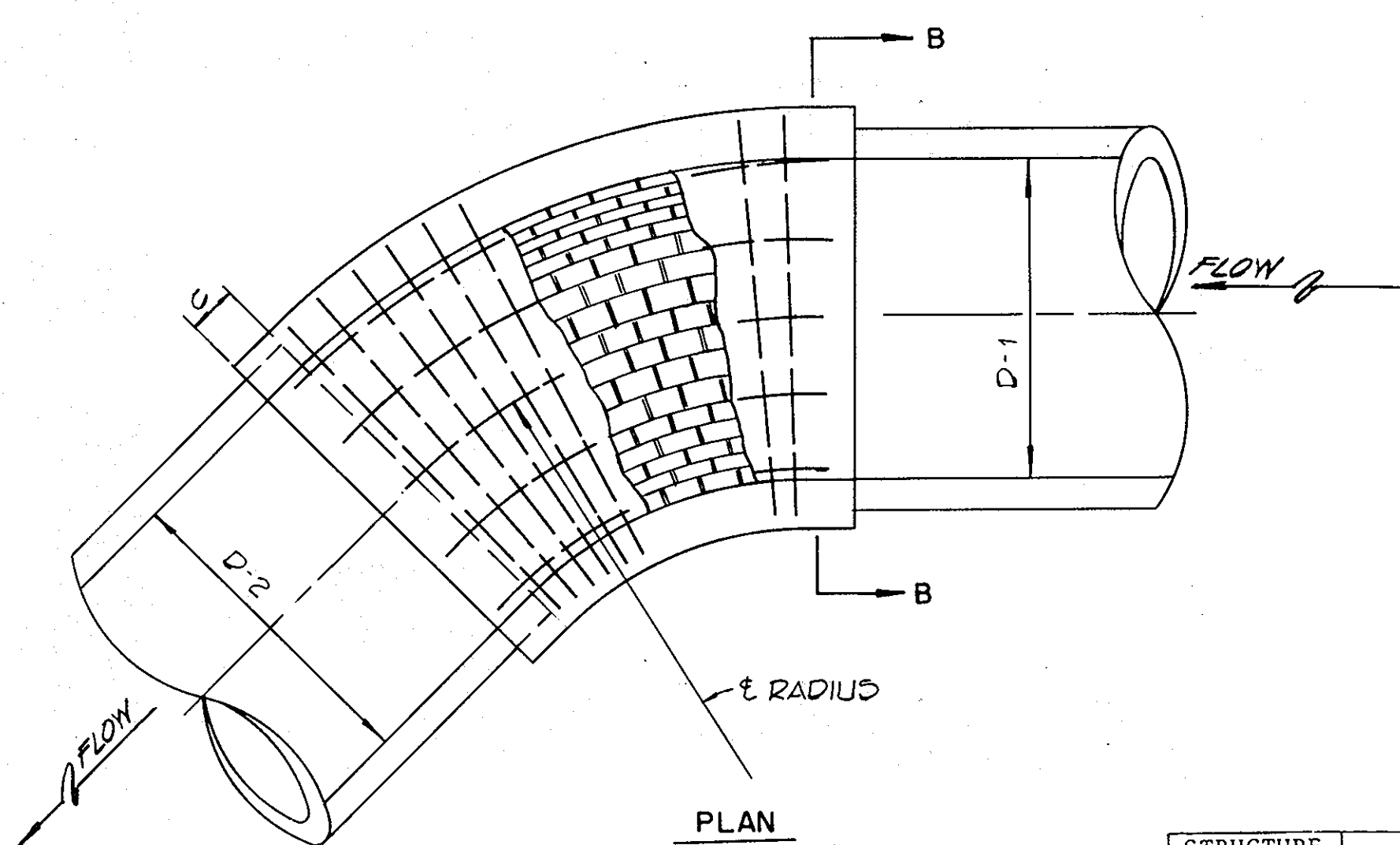


SECTION 'A-A'

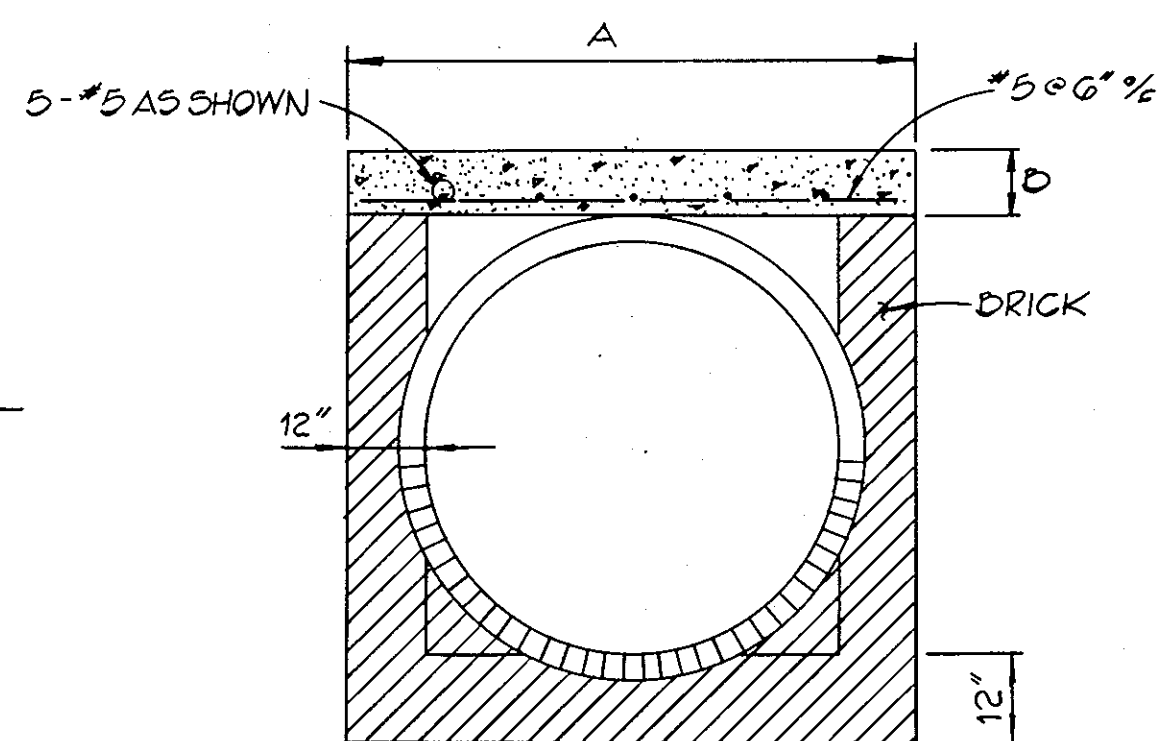


PLAN (GRATES REMOVED)

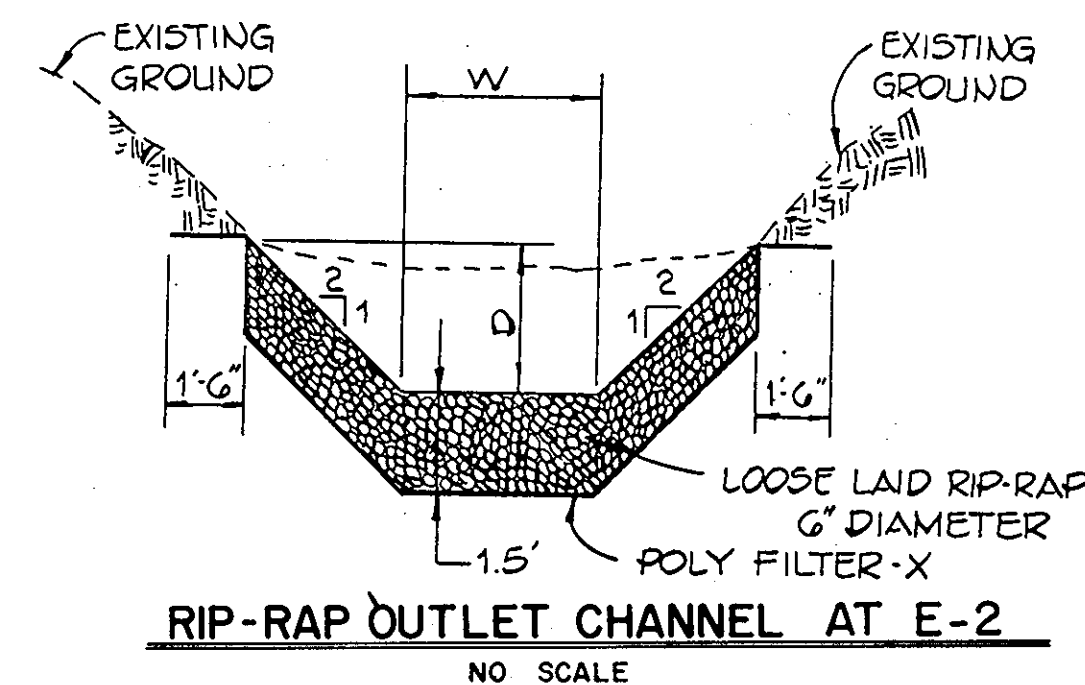
NOTE:
STRUCTURAL STEEL SHALL CONFORM
TO ASTM-A-36.



PLAN
STRUCTURE NOS. S-1 AND S-4
NO SCALE



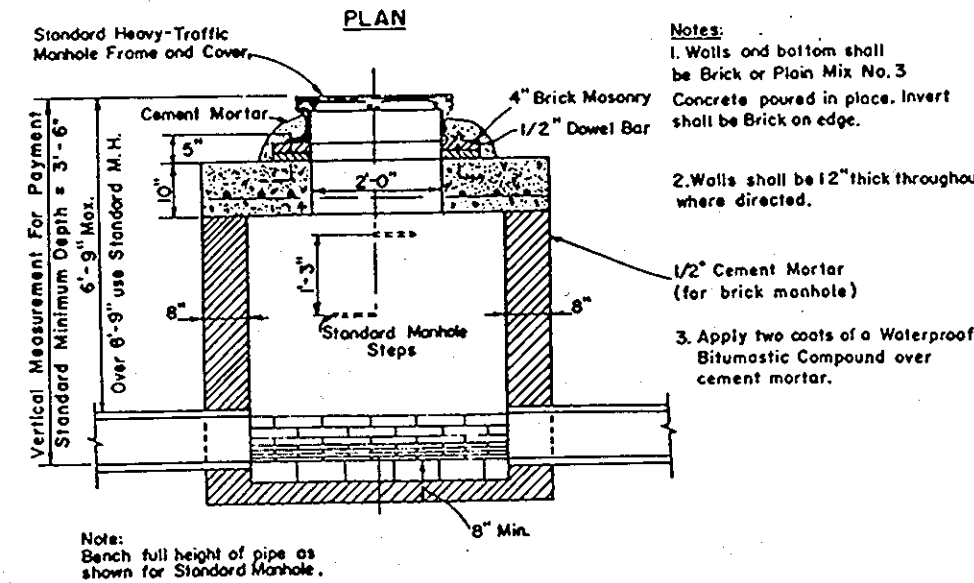
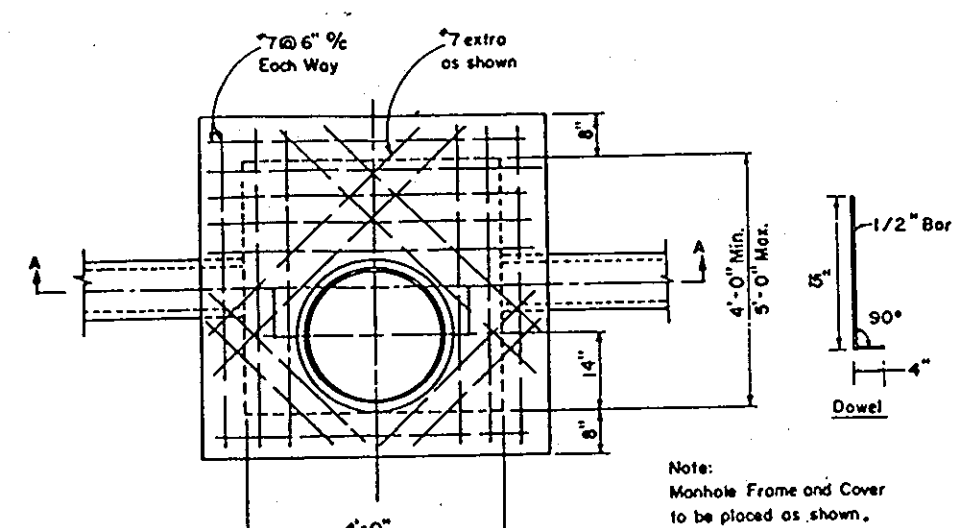
SECTION B-B
NO SCALE



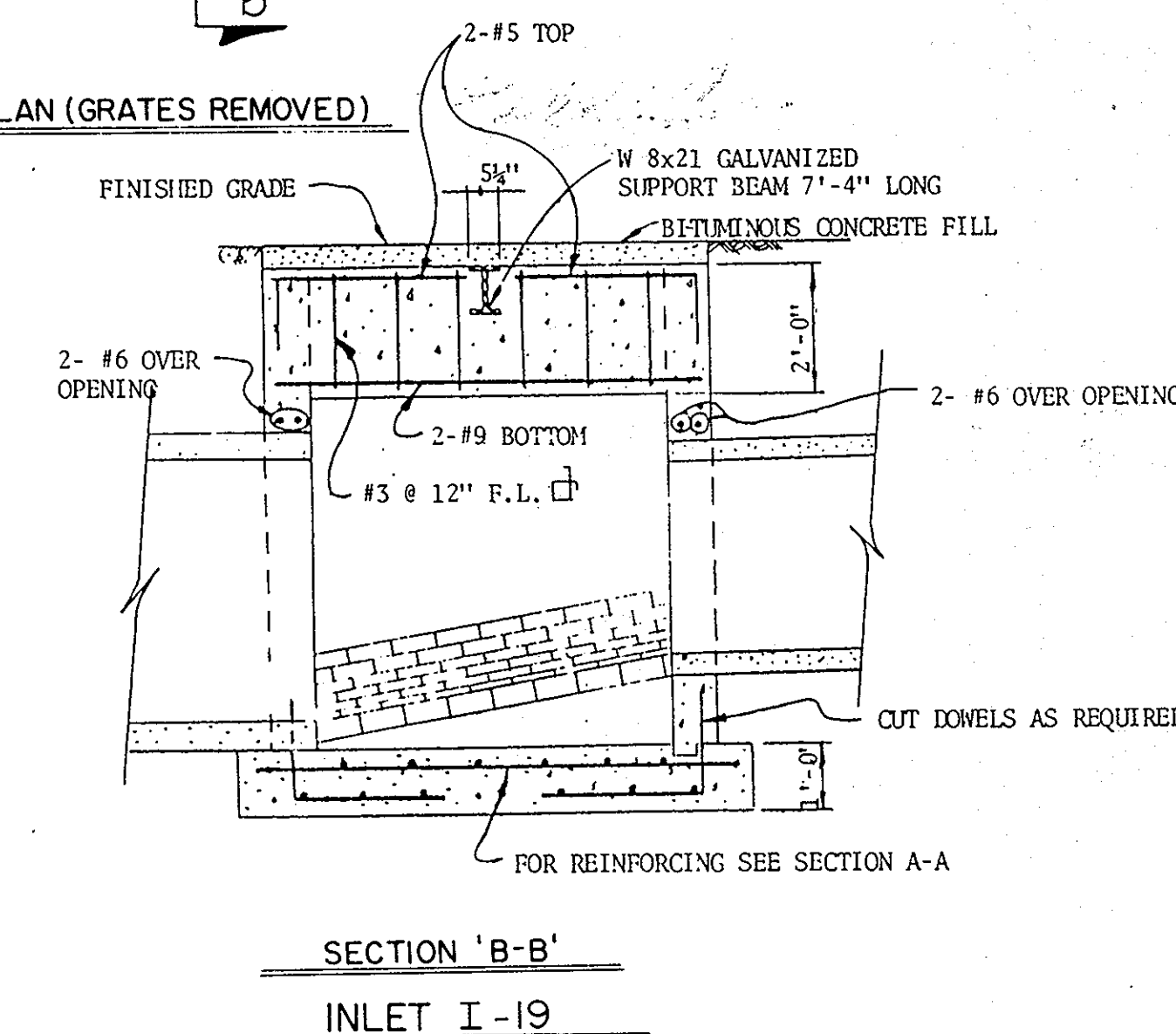
RIP-RAP OUTLET CHANNEL AT E-2
NO SCALE

E-2
W = 4.5'
D = 2.6'
A = 25.2 SQ. FT.
P = 16.1'
R = 1.565
R²/3 = 1.35
S = 2%
S_{1/2} = 0.1414
n = 0.04
V = 7.0' / sec
Q₁₀ = 162.0 cfs
Q_D = 176.5 cfs

STRUCTURE NO.	D-1	D-2	RADIUS	Δ	LENGTH	TANGENT	A	B	C
S-1	54"	54"	9.0'	45° 00' 00"	7.07'	3.72'	6'6"	1'0"	10"
S-4	24"	24"	5.0'	35° 00' 00"	3.05'	1.58'	4'0"	1'0"	8"



SECTION A-A
SHALLOW MANHOLE DETAIL AT M-4



SECTION 'B-B'
INLET I-19

APPROVED: DEPARTMENT OF PUBLIC WORKS
William B. P. [Signature] 2-4-81
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: OFFICE OF PLANNING AND ZONING
Richard [Signature] 1-30-81
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

Rev. Date	Rev. No.	Revision Description

COLUMBIA
MARYLAND

PARCELS A-N
PROJECT AREA DOBBIN ROAD COMMERCIAL CENTER
SECTION I AREA I
6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

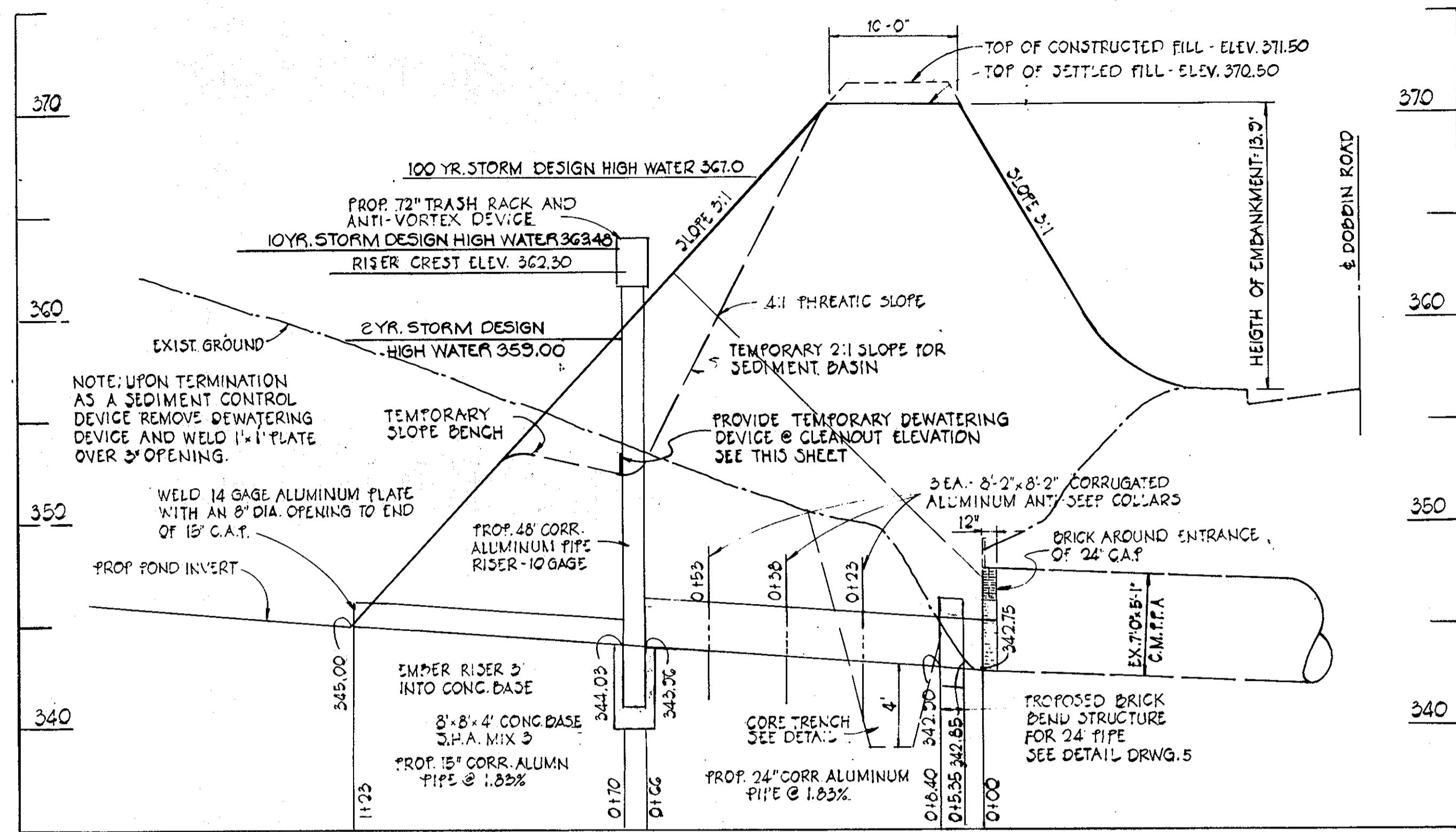
PROJECT TITLE
DOBBIN ROAD HOME IMPROVEMENT CENTER
DRAINAGE DETAILS

Des. By C.J.C. Scale 1" = 50' Dwg. No. 5 OF 8
Dn. By T.A.F. Date 9-15-80 C.C.F. No.
Chk. By E.D.C. Approved

FISHER, COLLINS AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
8388 COURT AVENUE
ELLCOTT CITY, MARYLAND 21043
TELEPHONE: (301) 461-2855

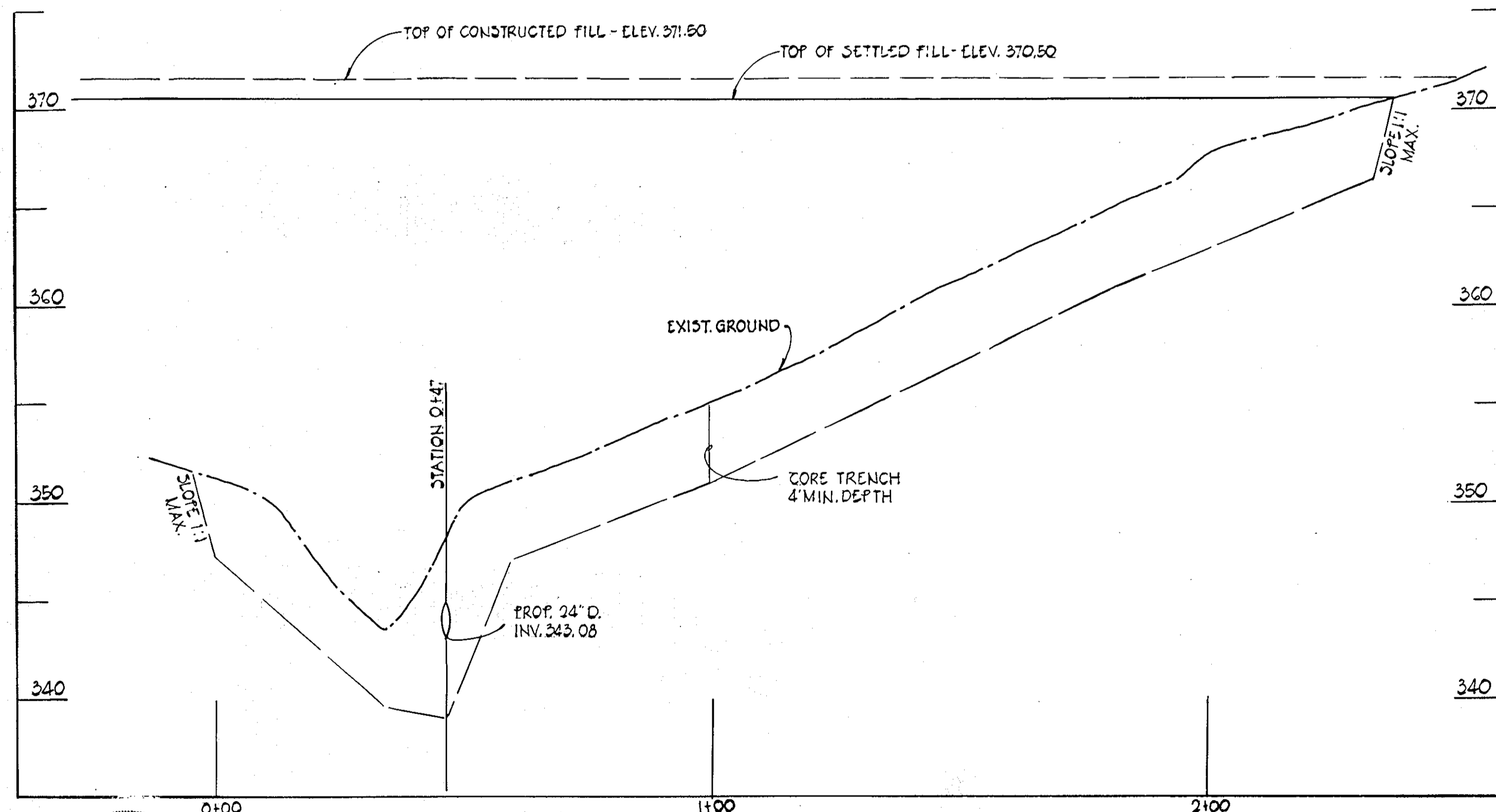
9/22/1980

OWNER AND DEVELOPER
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AND COLUMBIA INDUSTRIAL DEVELOPMENT CORPORATION
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044



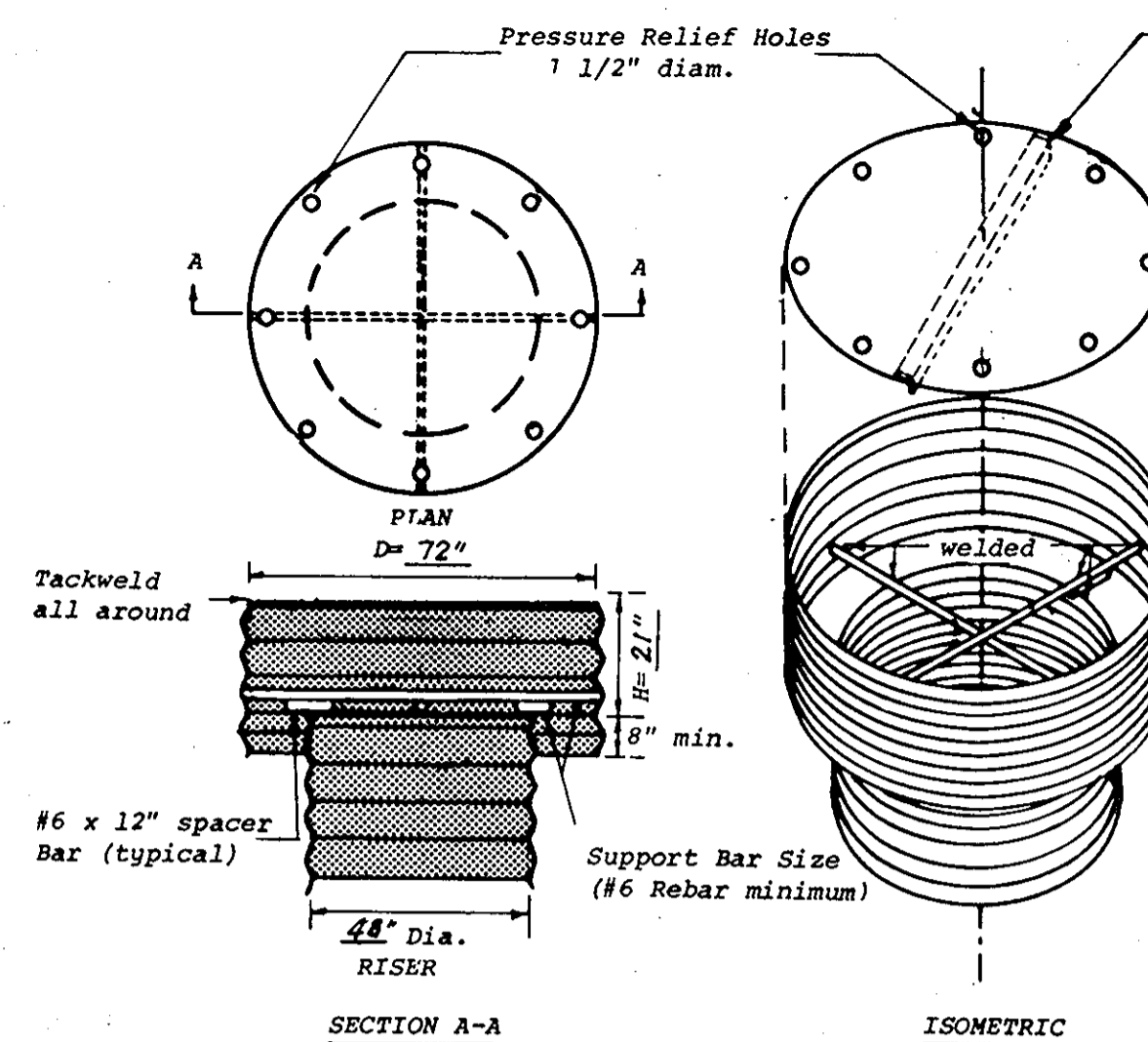
PROFILE THROUGH & PRINCIPAL SPILLWAY

SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'



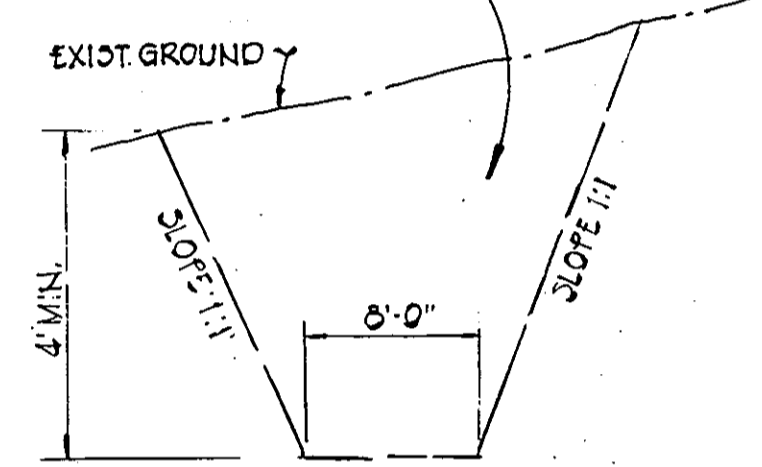
PROFILE ALONG & DAM

SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'



CONCENTRIC TRASH RACK AND ANTI-VORTEX DEVICE (NOT TO SCALE)

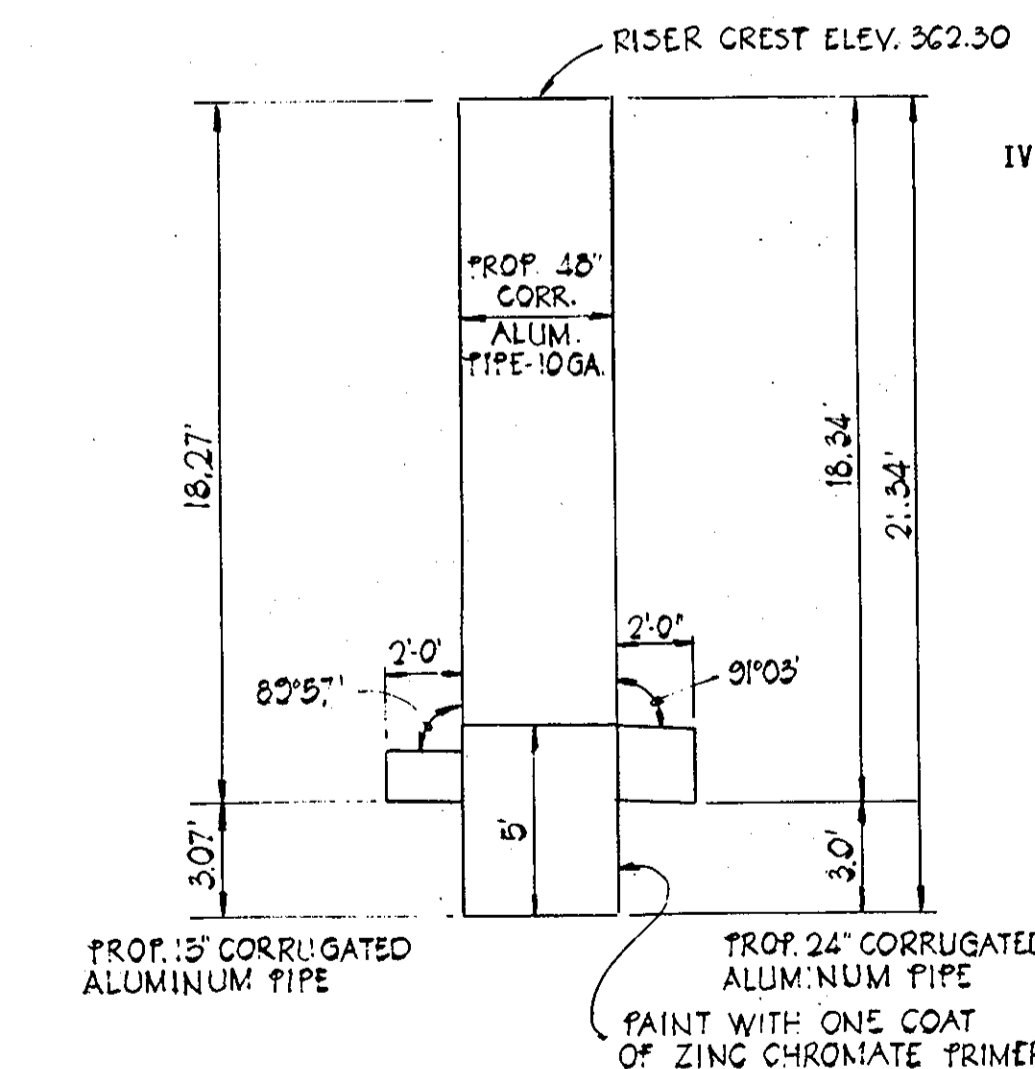
BACKFILL WITH MOST IMPERVIOUS MATERIAL AVAILABLE ON SITE



CORE TRENCH DETAIL

NOT TO SCALE

RISER ASSEMBLY TO BE SHOP FABRICATED. CONTINUOUSLY WELD BASE PLATE, DRAIN STUD AND BARREL STUD TO RISER.



RISER DETAIL

SCALE: 1" = 5'

Pressure Relief Holes 1/2" diam.

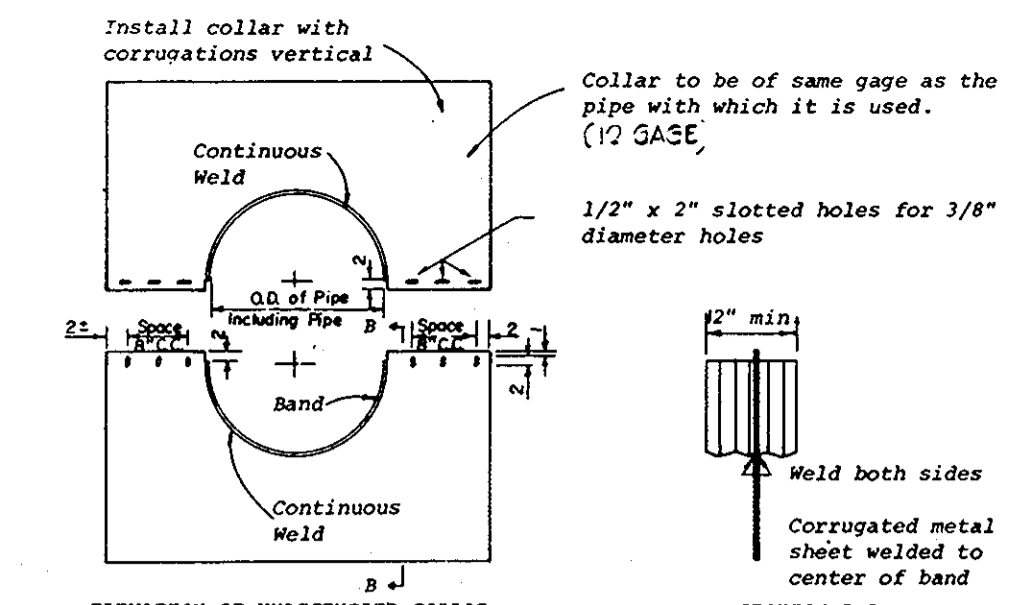
Top stiffener (required) 1/4" x 1/4" x 1/4" angle welded to top and oriented perpendicular to corrugations.

Top is 10 gauge corrugated metal. Pressure relief holes may be omitted, if ends of corrugations are left fully open when corrugated top is welded to cylinder.

Cylinder is 10 gauge corrugated metal

Notes:

- 1) The cylinder must be firmly fastened to the top of the riser.
- 2) Support bars are welded to the top of the riser or attached by straps bolted to top of riser.

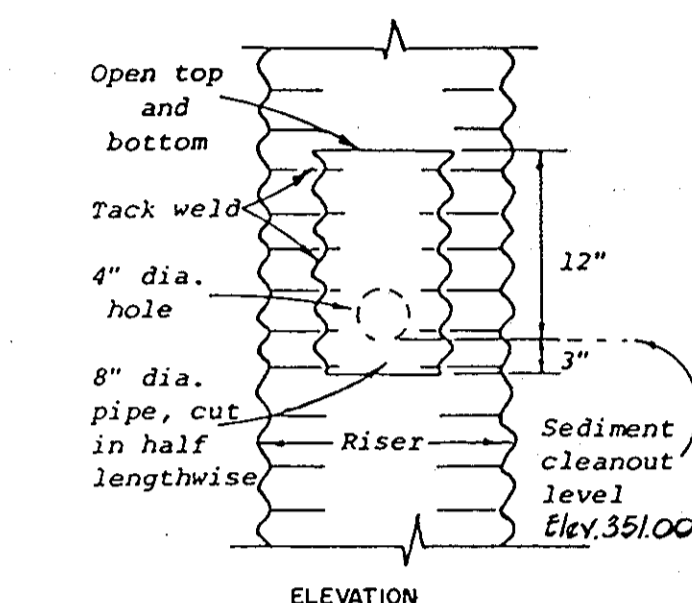


NOTES FOR COLLARS:

1. All materials to be in accordance with construction and construction material specifications.
2. When specified on the plans, coating of collars shall be in accordance with construction and construction material specifications.
3. Unassembled collars shall be marked by painting or tagging to identify matching pairs.
4. The lap between the two half sections and between the pipe and connecting band shall be caulked with asphalt mastic at time of installation.
5. Each collar shall be furnished with two 1/2" diameter rods with standard tank lugs for connecting collars to pipe.

DETAILS OF CORRUGATED METAL ANTI-SEEP COLLAR

ASSEMBLED COLLARS TO BE 8'-2" SQUARE



DEWATERING DEVICE

NOT TO SCALE

STORM WATER MANAGEMENT CONSTRUCTION SPECIFICATIONS

- I. SITE PREPARATION
Areas under the embankment and structural works shall be cleared, grubbed and the topsoil stripped to remove all trees, vegetation, roots or other objectionable material. To facilitate clean out and restoration, it is recommended that the permanent pool area be cleared of all brush and trees.
- II. EARTH FILL
Material
The fill material shall be taken from approved designated borrow area or areas. It shall be free from roots, stumps, wood, rubbish, over-size 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 at least 10 percent above the design elevation (including freeboard) unless otherwise 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 embankment. The most porous borrow material shall be placed in the downstream portions of the embankment.
Compaction
95% of Standard Proctor by A.S.T.M. 698
Core Trench
Where specified, a core 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 governed by the equipment used for excavation, 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 core 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 driven equipment be allowed to operate closer than four feet, measured horizontally, to any part of a structure. Under no circumstances shall the contractor drive equipment 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
A. CORRUGATED METAL PIPE
1. Materials - Aluminum Pipe - This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-196 or M-211, with watertight coupling bands.
2. Connections - All connections with pipes must be completely watertight. The drain pipe or barrel connection to the riser shall be welded all around. Watertight coupling bands shall be used at all joints. Anti-seep collars shall be connected to the pipe in such a manner as to be completely watertight.
3. 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.
4. Laying pipe - The pipe shall be placed with inside circumferential laps pointing downstream and with the longitudinal laps at the sides.
5. Backfilling shall conform to structural backfill as shown above.
6. Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings.
V. CONCRETE
Concrete shall meet minimum requirements set forth in Maryland State Highway Administration Specifications for Materials, Highways, Bridges, and Incidental Structures, Article 20.07 (Portland Cement Concrete Mixtures), Mix No. 3.
VI. STABILIZATION
All borrow areas shall be graded to provide proper drainage and left in a slightly condition. All exposed surfaces of the embankment, spillway and borrow areas shall be stabilized by seeding and applying straw mulch in accordance with Standards and Specifications for Soil Erosion and Sediment Control in Urbanizing Areas immediately after finish grading.

- All exposed areas of the embankment and pond shall be stabilized by:
- a. Spreading 4" topsoil
 - b. Working in 1 ton of ground limestone and 1,000 pounds of 10-10-10 fertilizer per acre.
 - c. Seed with 40 lbs./acre of "Kentucky 31" tall fescue, and 15 lbs./acre of Crownvetch inoculated.
 - d. Mulch with 1-1/2 tons straw per acre.
 - e. Tie down mulch with emulsified asphalt @ 348 gallons/acre.

ENGINEER'S CERTIFICATE

I CERTIFY THAT THE 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 AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION.

EARL D. COLLINS, P.E. REG. NO. 9753 9/22/98

DEVELOPER'S CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION.

WALTER E. WOODFORD JR. 9/22/98 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.

James M. Nelson 2-5-81 DATE

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

Walter E. Woodford Jr. 7-5-81 DATE

HOWARD SOIL CONSERVATION DISTRICT

APPROVED:

DEPARTMENT OF PUBLIC WORKS

Walter E. Woodford Jr. 2-4-81 DATE

CHIEF, BUREAU OF ENGINEERING

APPROVED:

OFFICE OF PLANNING AND ZONING

Walter E. Woodford Jr. 1-30-81 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

Rev. Date	Rev. No	Revision Description

COLUMBIA
MARYLAND

PARCELS A-N

PROJECT AREA DOBBIN ROAD COMMERCIAL CENTER
SECTION I AREA I

6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

PROJECT TITLE
DOBBIN ROAD HOME IMPROVEMENT CENTER
STORM WATER MANAGEMENT PROFILES & DETAILS

Des. By R.B.C. Scale 1" = 50' Dwg. No. 6 OF 8

Dm. By T.A.F. Date 9-15-80 C.C.F. No.

Chk. By E.D.C. Approved

FISHER, COLLINS AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
8388 COURT AVENUE
ELICOTT CITY, MARYLAND 21043
TELEPHONE (301) 461-2855

9/22/98

OWNER AND DEVELOPER
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
AND COLUMBIA INDUSTRIAL DEVELOPMENT CORPORATION
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044