

NOTE: BASE COURSE WILL BE IN ACCORDANCE WITH HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECS. SEE C-303 TACK COAT SHALL BE APPLIED AS REQUIRED BY THE HO. CO. ROAD CONSTRUCTION CODE AND STANDARD SPECS C-31:4 ROAD CODE 1E4

CLEARING AND GRADING REFER TO ARTICLE C-1
 SUBGRADE REFER TO ARTICLE C-2
 BASE COURSE REFER TO ARTICLE C-31 OR C-33
 SURFACE COURSE REFER TO ARTICLE C-31

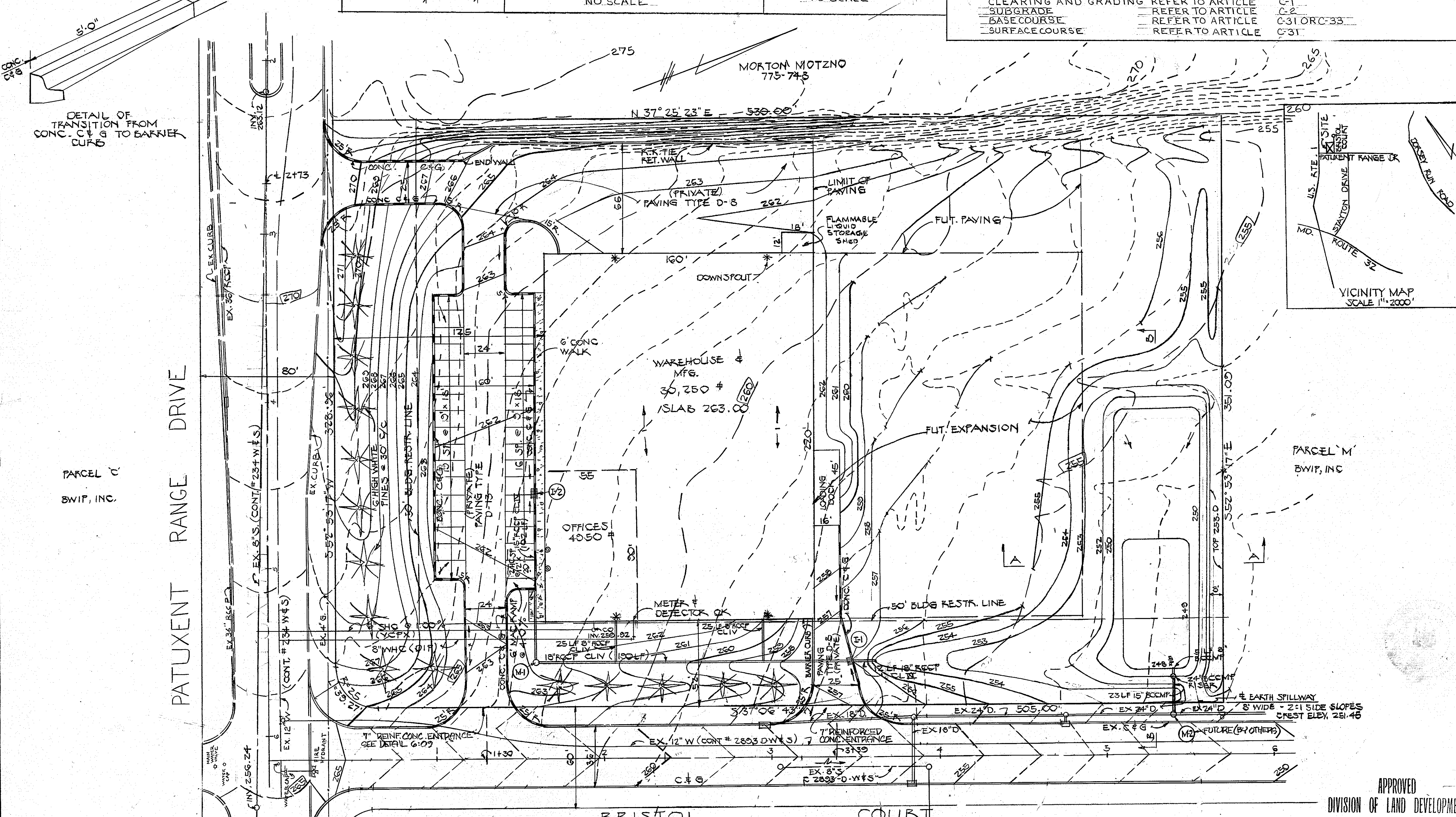
ENGINEER: HUDKINS ASSOC., INC.
 101 SHELL BUILDING
 200 E. JOPPA ROAD
 TOWSON, MARYLAND 21204

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS-HOWARD CO. HEALTH DEPT

Joseph Bayler 12-8-80
 COUNTY HEALTH OFFICER DATE

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

William Thome 11-25-80
 HOWARD S.C.D. DATE



REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS

James M. Helms 11/25/80
 SIGNATURE DATE
 U.S. SOIL CONSERVATION SERVICE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

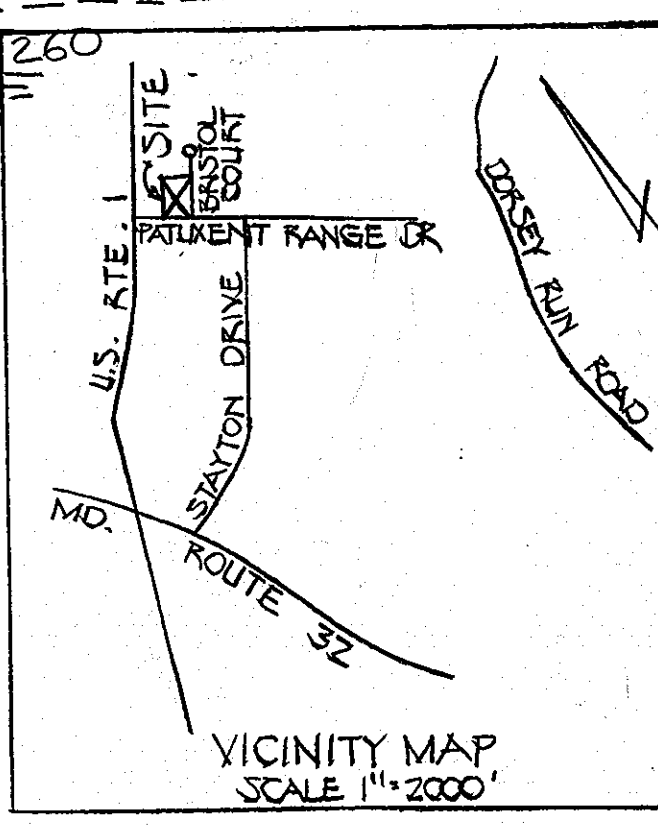
DIRECTOR DATE

CHIEF, DIVISION OF LAND DEVELOPMENT DATE

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

DIRECTOR DATE

CHIEF, BUREAU OF ENGINEERING DATE



DEVELOPER

I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THE PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND I AUTHORIZE PERIODIC ON SITE INSPECTION ON THE HOWARD COUNTY SOIL CONSERVATION DIST. OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

John C. Shellen
 SIGNATURE DATE

ENGINEER

I CERTIFY THAT THE PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PROFESSIONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

John A. Anne PE#1795 9/4/80
 SIGNATURE DATE

DEVELOPER

PRODUCTS SUPPORT, INC.
 DORSEY BUILDING
 COLUMBIA, MO

CONTRACTOR

RIGGER HANNA BUILDING SYSTEMS, INC.
 10104 MARBLE CT.
 SOCKEYSVILLE, MD. 21030

OWNER

BWIP, INC.
 110 WEST ROAD
 TOWSON, MD. 21204

PARCEL J-1
 BALTIMORE WASHINGTON IND. PARK BLOCK #

ELECT. DIST. C HOWARD CO., MARYLAND
 SEPT. 15, 1980
 P.B. NO. 4755

NOTES:

- THIS PLAN IS NOT AFFECTED BY A 100YR. FLOOD PLAIN.
- ALL HANDICAPPED SPACES SHALL BE CLEARLY MARKED THUS: "RESERVED FOR PHYSICALLY HANDICAPPED PERSONS" (SIGN SHOWN THUS)
- ANY DAMAGE TO COUNTY RIGHT OF WAY OR PAVING WILL BE CORRECTED AT THE DEVELOPERS EXPENSE.
- MATERIALS & CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD CO. ROAD CONSTRUCTION CODE.
- THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION/SURVEY DIVISION, 24 HRS. IN ADVANCE OF COMMENCEMENT OF WORK AT 992-2417 OR 992-2418

SITE ANALYSIS

1. AREA OF TRACT - 4.286 AC.
 2. ZONING - M-2
 3. TOTAL FLOOR AREA - 35,200 S.F.
 4. GREEN SPACE PROVIDED - 2.263 AC. = 61%
 5. PARKING REQUIREMENTS
 WAREHOUSE SPACE - 48 EMP @ 1 ST/2 EMP. = 24
 OFFICE SPACE - 12 EMP @ 7 SF./10 EMP = 9
 TOTAL REQUIRED - 33 ST.
 TOTAL PROVIDED - 37 ST.

APPROVED
 DIVISION OF LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE 10-30-80

STRUCTURE SCHEDULE					
NO	TYPE	INV. IN	INV. OUT	TOP	HO. CO. STD.
I-1	S' COMB.	253.50	253.25	257.2	D 99 P 154
I-2	S' COMB.	-	257.52	262.00	D 99 P 154
M-1	STD. MANHOLE	256.30	256.05	262.80	D 103 P 158
M-2	STD. MANHOLE	247.14	246.39	251.80	D 103 P 158

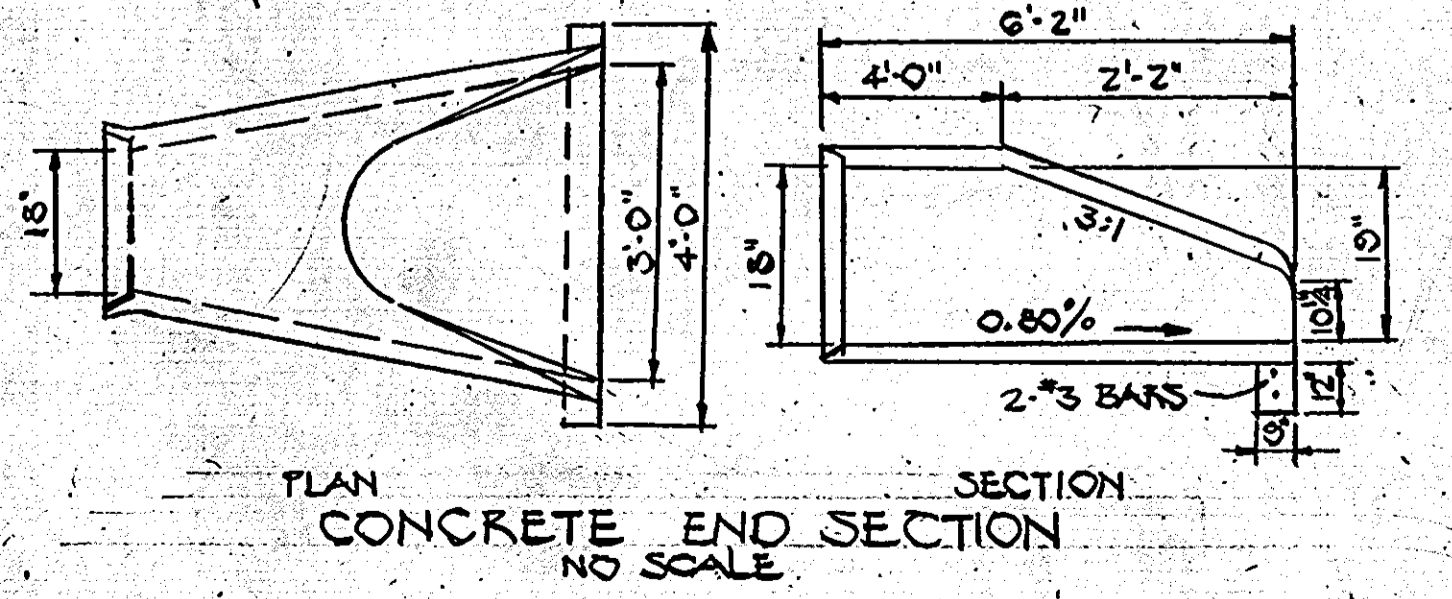
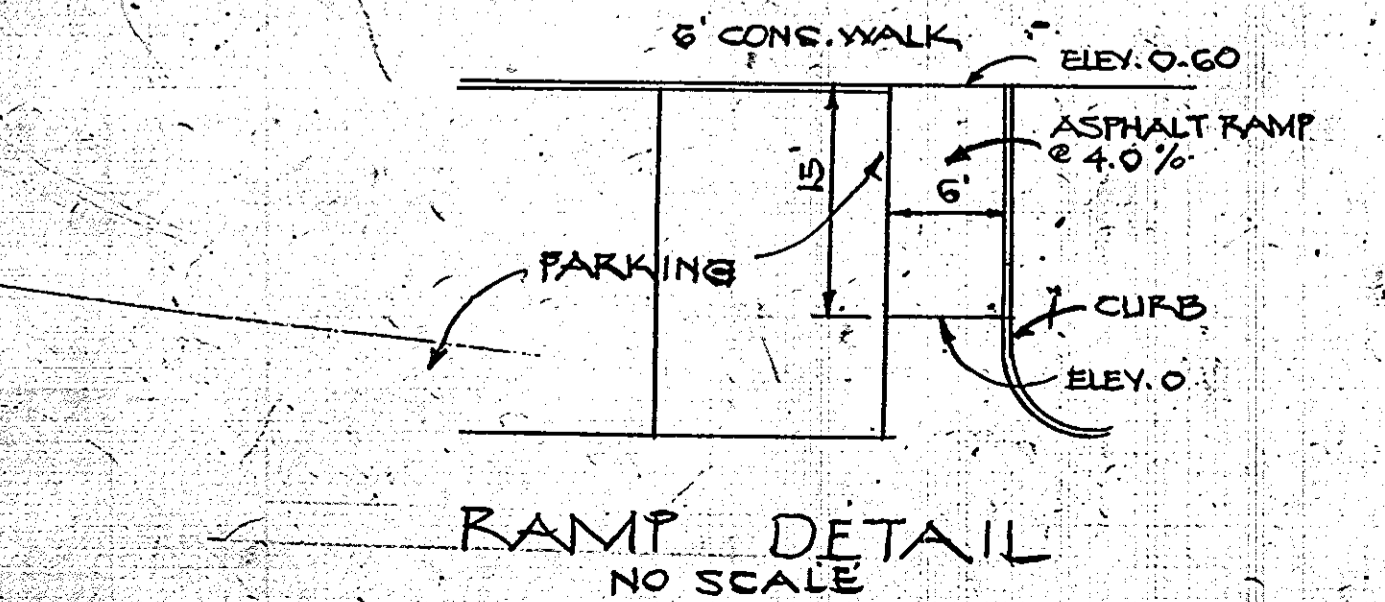
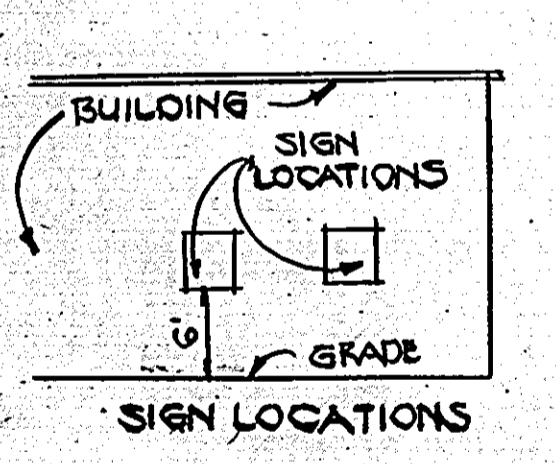
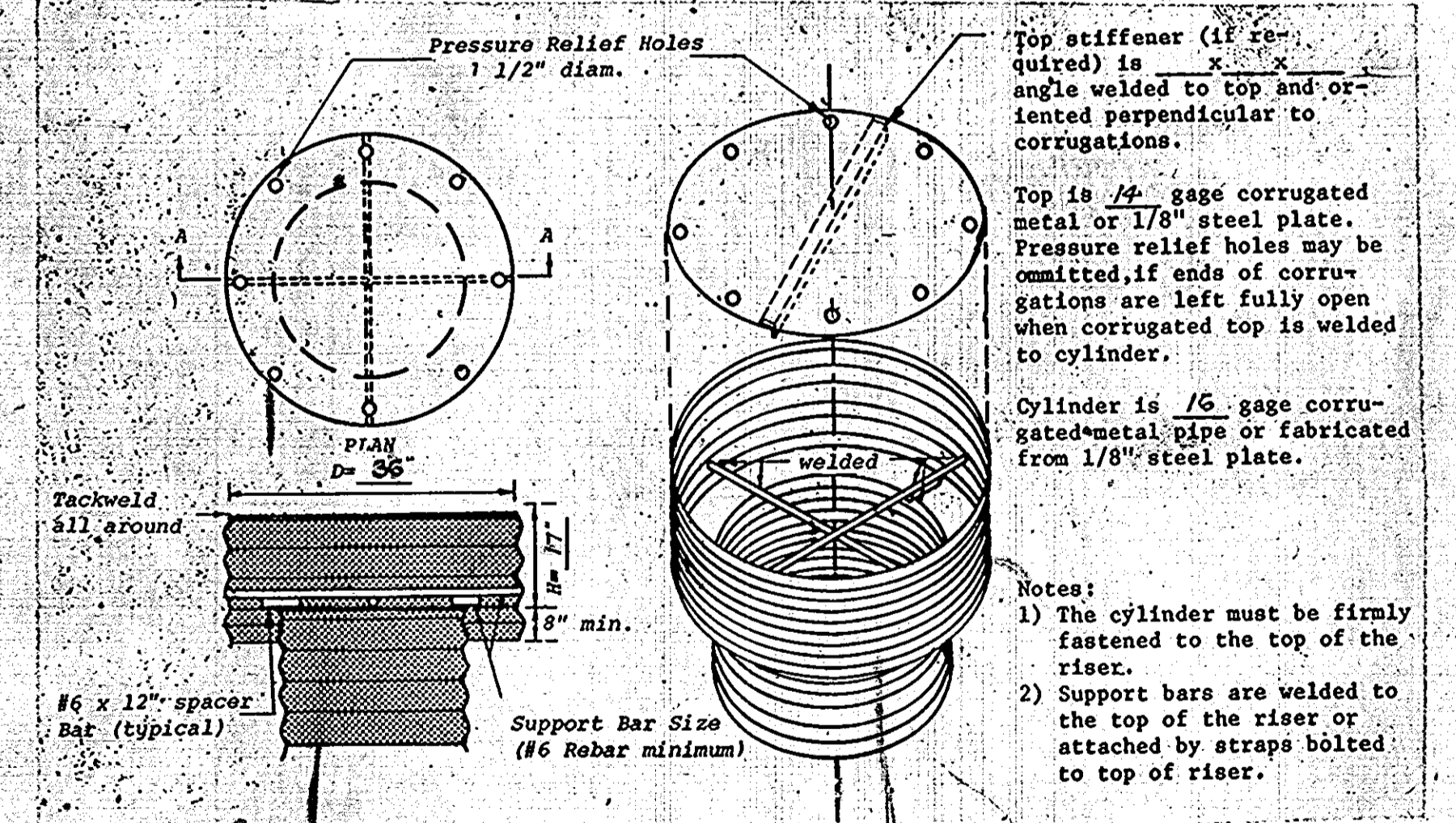
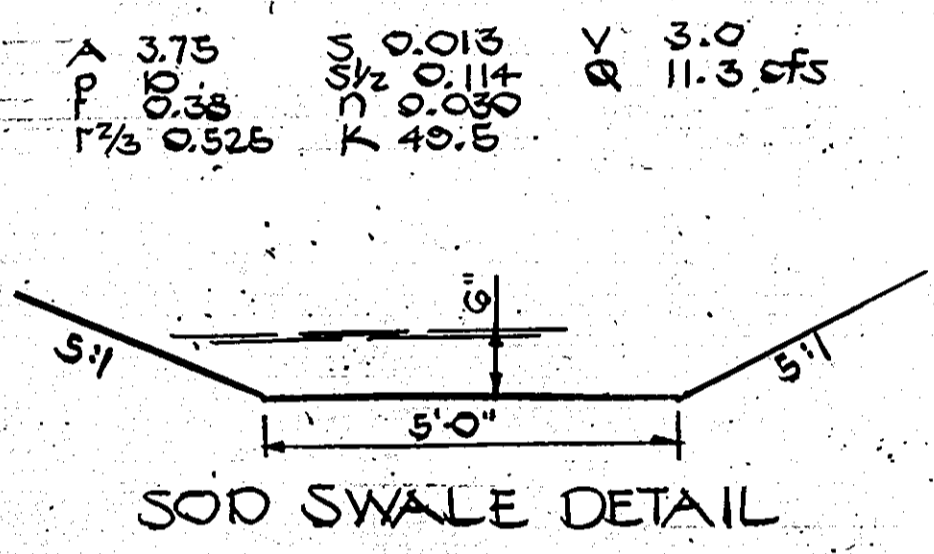
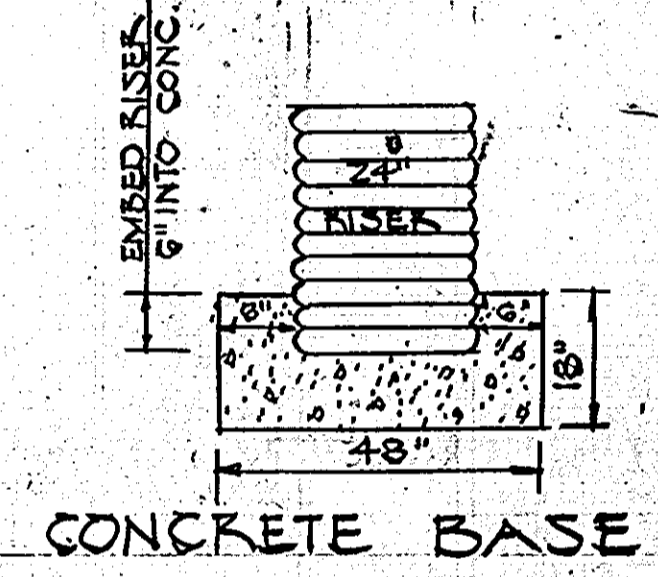
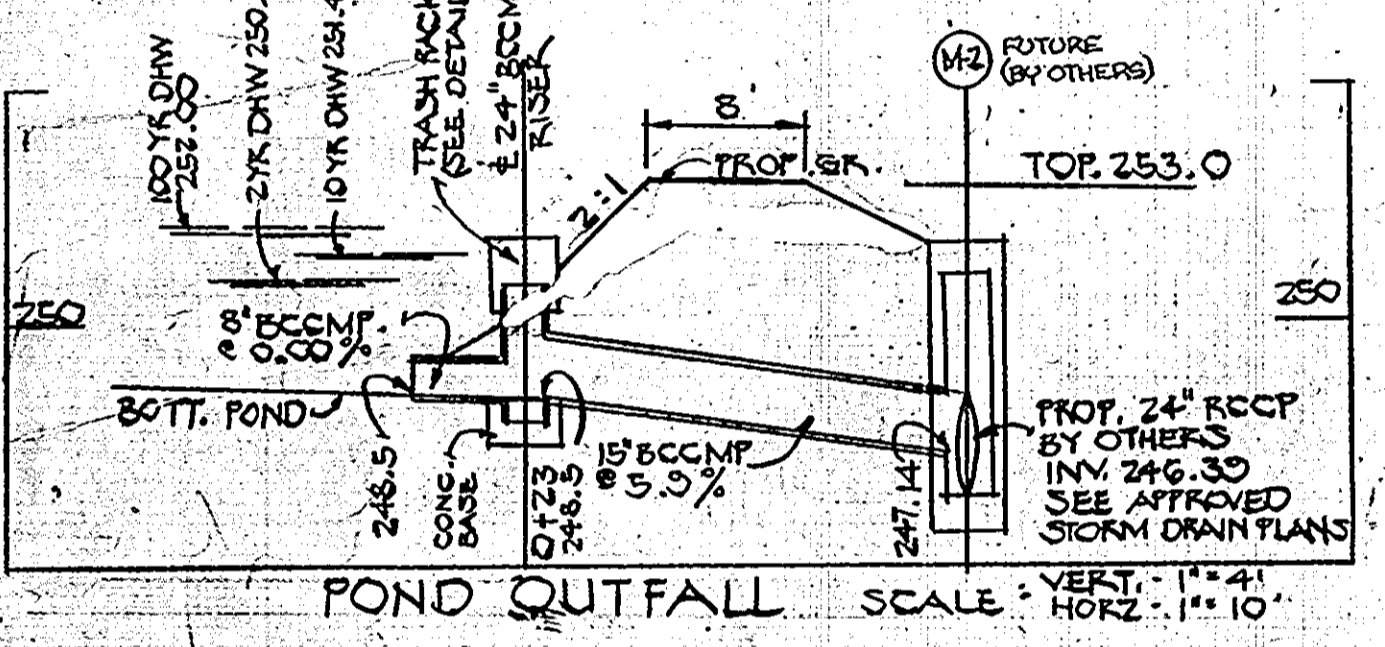
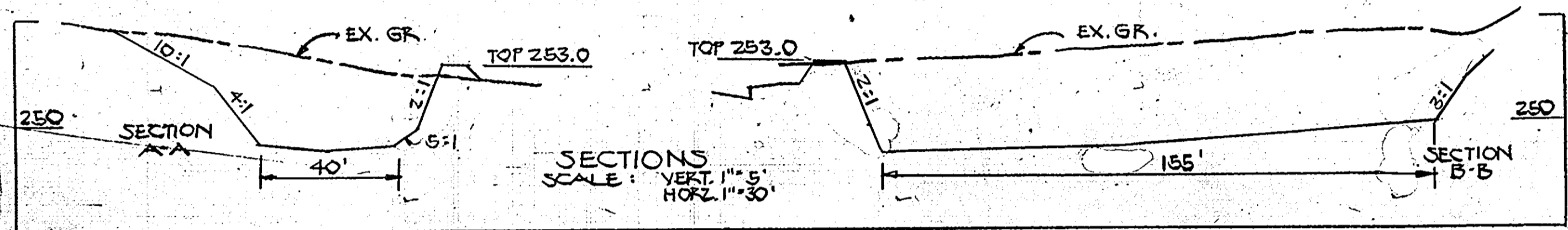
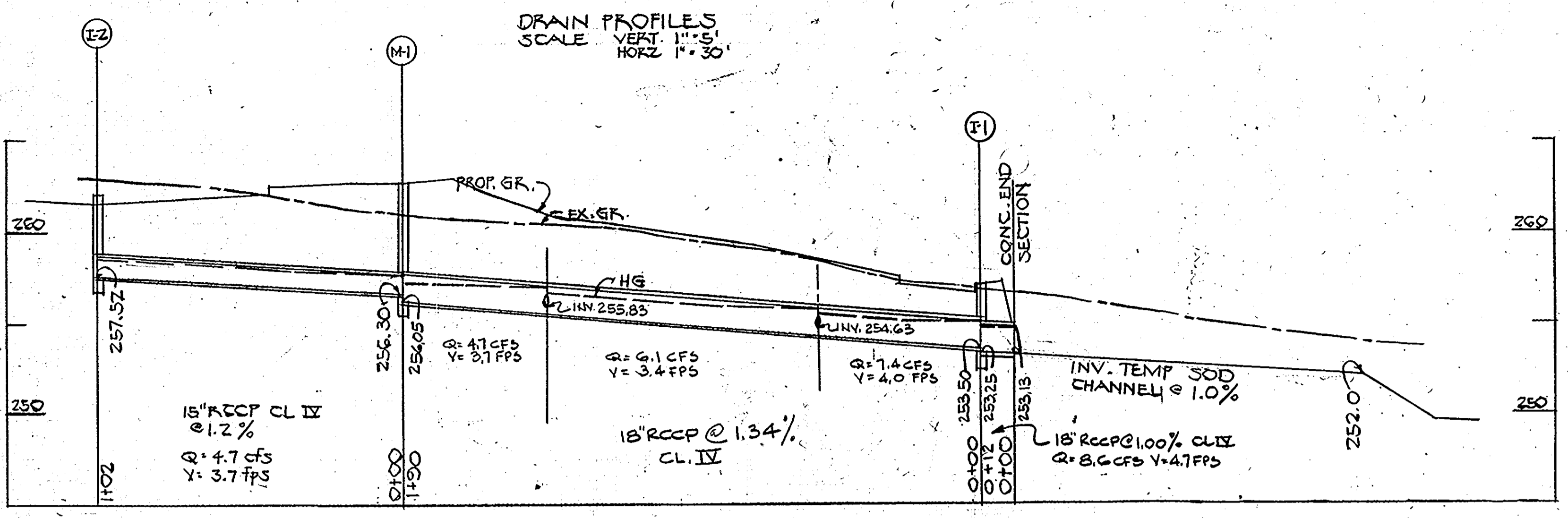
REV. 6/2/84 - STORAGE SHED ADDITION

REVISED 8/5/82: ADDED CONC. ENTRANCE CHANGED SOME BARRIER CURB TO CONC C & G, NOTED M-2 "FUTURE BY OTHERS"

SITE DEVELOPMENT PLAN

SCALE 1" = 30'

1 OF 4



APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 10-30-80
JMM

ENGINEER: HUDKINS ASSOC., INC.
101 SHELL BUILDING
200 E. JOPPA ROAD
TOWSON, MARYLAND 21204

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS-HOWARD CO. HEALTH DEPT.
John P. ... 12-8-80
COUNTY HEALTH OFFICER DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
William J. Howe 11-25-80
HOWARD S.C.D. DATE

REVIEWED FOR HOWARD S.C.D.
AND MEETS TECHNICAL REQUIREMENTS

James ... 1/25/80
SIGNATURE DATE
U.S. SOIL CONSERVATION SERVICE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Donald ... 12-9-80
DIRECTOR DATE
John ... 12-9-80
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE & STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
John F. ... 12-3-80
DIRECTOR DATE
William E. ... 12-2-80
CHIEF, BUREAU OF ENGINEERING DATE

DEVELOPER
I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THE PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND I AUTHORIZE PERIODIC ON SITE INSPECTION ON THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
John C. ... DATE

ENGINEER
I CERTIFY THAT THE PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PROFESSIONAL KNOWLEDGE OF THE SITE CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
Howard H. Howe P.E. 745 11/12/80
SIGNATURE DATE

DEVELOPER
PRODUCTS SUPPORT, INC
DOFSEY BUILDING
COLUMBIA, MD.

CONTRACTOR
RIGGETT-HANNA BUILDING SYSTEMS, INC
10104 MARBLE CT
COCKEYSVILLE, MD 21030

OWNER
BWIP, INC.
110 WEST ROAD
TOWSON, MD. 21204

PARCEL J-1
BALTIMORE WASHINGTON INO.
PARK BLOCK E
ELECT. DIST. 6 HOWARD CO., MARYLAND
SEPT. 15, 1980
P.B. NO. 4755

SITE DEVELOPMENT PLAN
SCALE 1"=30'
2 OF 4

NOTES

- Refer to "Stds. & Specs." for Soil & Erosion Control in developing areas. All work on this plan must be in accordance with this Manual.
- All stabilization to be done in accordance with temporary & permanent seeding procedures in the above referenced Manual.
- On-site inspection & maintenance of all sediment measures will be the responsibility of the Developer on a continuing day to day basis.
- All slopes greater than 3:1 to be sodded.
- During the layout of the sediment control devices shown on these plans minor field adjustments can & will be made to insure the arrest & control of any sediment before it leaves the construction site. Changes in sediment control practices require prior approval of the sediment control inspector.

PERMANENT SEEDING NOTES

- Apply 50 lbs./1000 SF of limestone.
- Apply fertilizer @ rate of 25 lbs. of 10:10:10 per 1000 SF depending on the soil test.
- Harrow or also fertilizer and limestone into soil to a depth of 3 in.
- Seed with KY 31 tall fescue at rate of 5 lbs./1000 SF or other SCS approved grading plan.
- Mulch with small grain straw 1.5 to 2.0 tons per acre (10000 SF).
- Anchor mulch w/ sprayed asphalt @ 0.1 gal./SY.
- No slope shall exceed 2:1.

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT
- NOTIFY THE HOWARD CO DEPT. OF INSPECTION & PERMITS
- INSTALL STRAW BALE DIKES & STABILIZED CONSTRUCTION ENTRANCE
- EXCAVATE POND AND CONSTRUCT POND OUTFALL ASSEMBLY, 15' BCCMP, 4 M-2 SEE SHEET 1 & 2
- ROUGH GRADE SITE
- INSTALL K.R. TIE WALL AND SOD SWALE ALONG WEST PROPERTY LINE
- PROCEED WITH BUILDING CONSTRUCTION
- INSTALL UTILITIES
- PLACE SUB-BASE MATERIAL IN AREAS TO BE PAVED
- PAVE PARKING AREAS & STABILIZE REMAINING AREAS ACCORDING TO PERMANENT SEEDING PROCEDURES
- FLUSH STORM DRAIN SYSTEM
- PUMP WATER FROM POND THROUGH TOP OF RISER
- REMOVE MUCK FROM POND & DISPOSE OF ON A SITE WITH AN APPROVED SEDIMENT CONTROL PLAN
- COMPLETE POND CONSTRUCTION AS PER SHEETS 1 & 2

SITE ANALYSIS

- SITE AREA = 4.286 AC ±
- DISTURBED AREA = 4.236 AC ±
- AREA TO BE PAVED OR FOOED 2.6 AC ±
- AREA TO BE SEEDED = 1.6 AC ±

ENGINEER HUDKINS ASSOC. INC.
 101 SHELL BUILDING
 200 E. JOPPA ROAD
 TOWSON, MARYLAND 21204

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS-HOWARD CO. HEALTH DEPT
 COUNTY HEALTH OFFICER John M. Boylan DATE 12-8-80

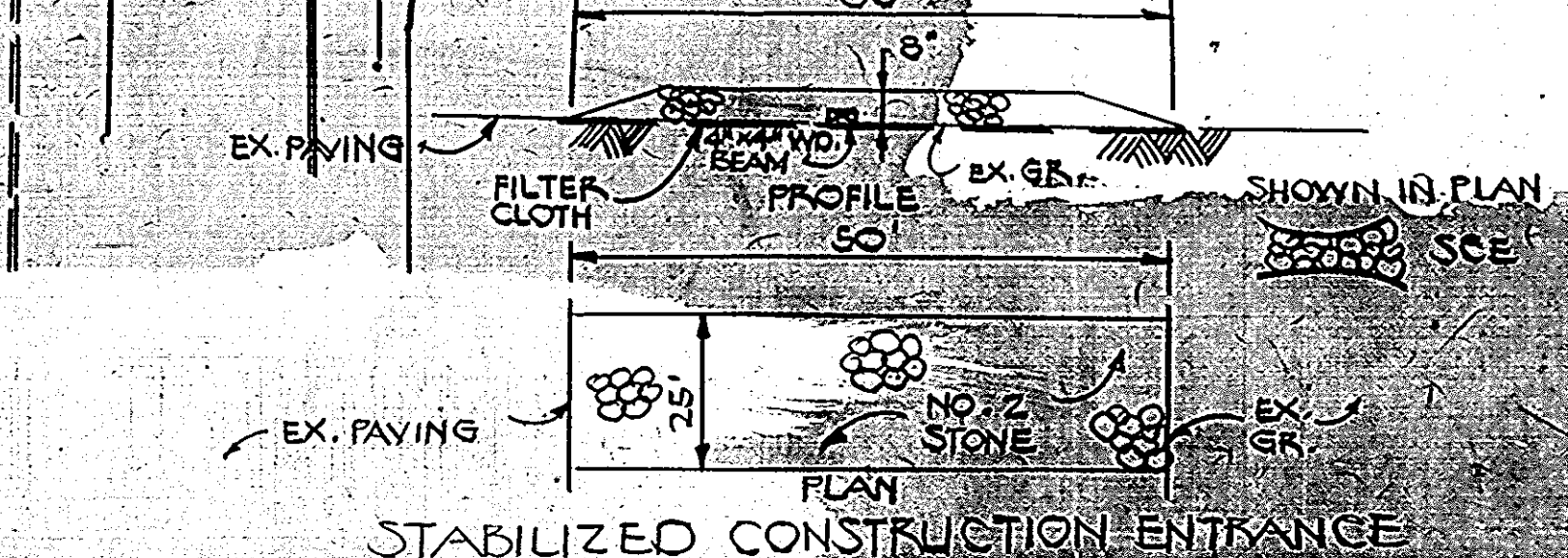
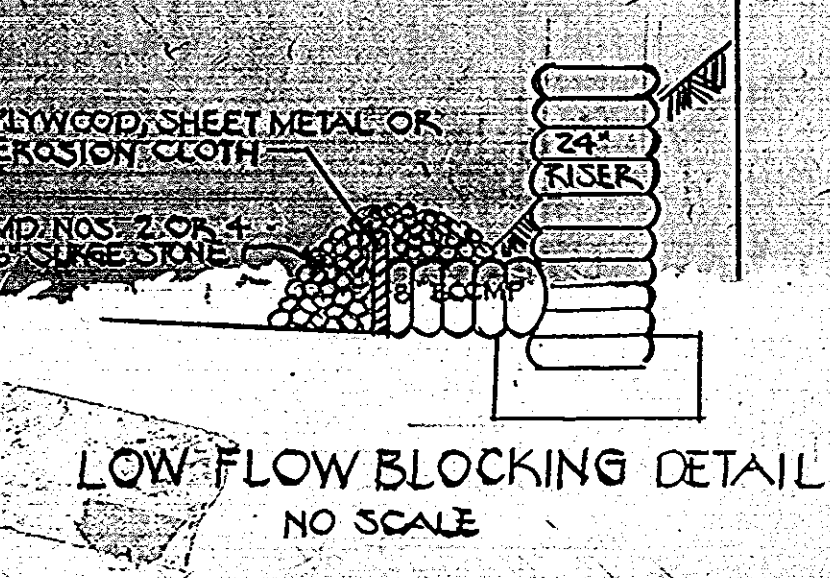
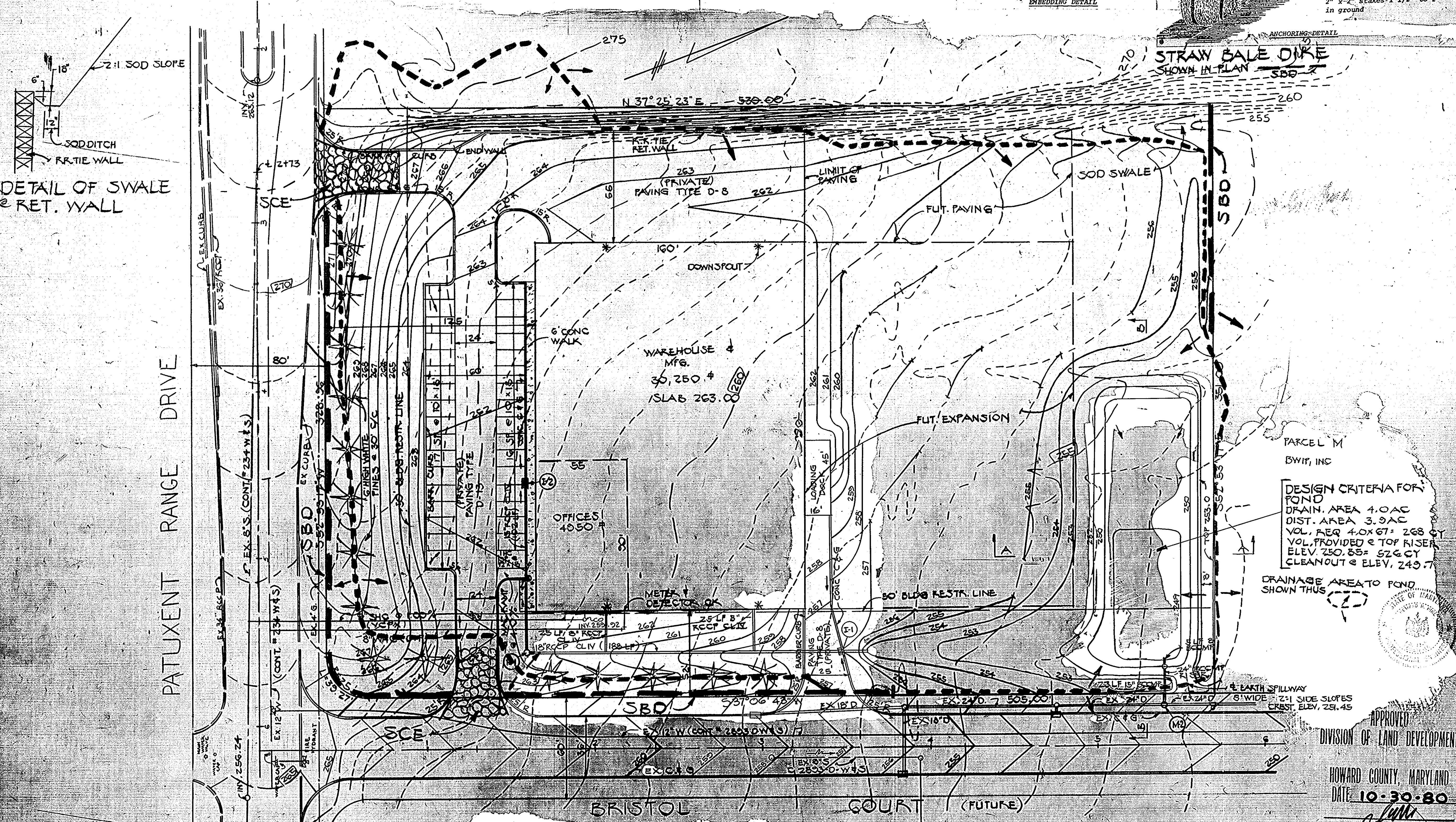
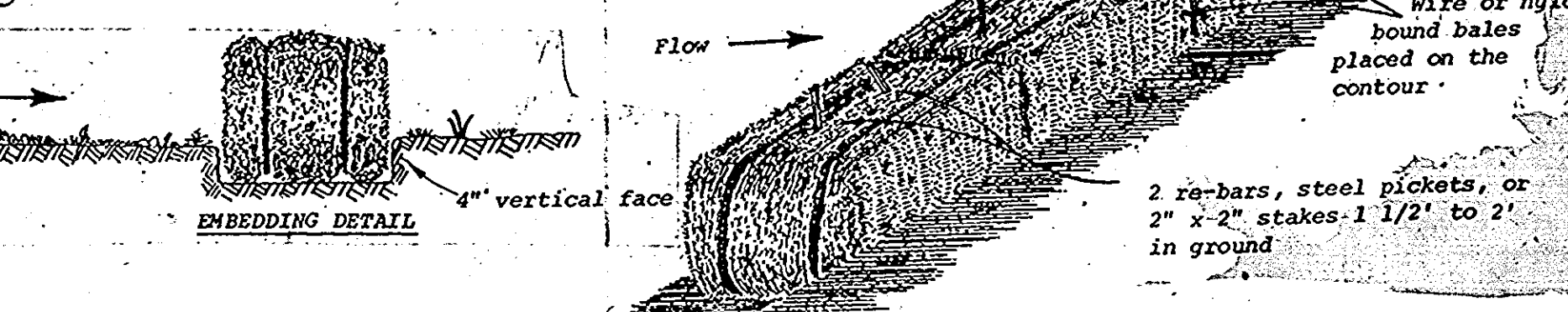
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
William V. Howe DATE 11-25-80
 HOWARD S.C.D.

REVIEWED FOR HOWARD S.C.D.
 AND MEETS TECHNICAL REQUIREMENTS

James M. Kellogg DATE 11/25/80
 SIGNATURE DATE
 U.S. SOIL CONSERVATION SERVICE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Donald L. Harris DATE 12-9-80
 DIRECTOR DATE
Paul M. ... DATE 12-9-80
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

APPROVED FOR PUBLIC WATER PUBLIC SEWERAGE & STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Norm F. ... DATE 12-3-80
 DIRECTOR DATE
William E. ... DATE 12-2-80
 CHIEF, BUREAU OF ENGINEERING DATE



TEMPORARY SEEDING NOTES

- Seed immediately upon construction with 1 lb. rye grass per 1000 s.f.
- Apply 46 lbs./1000 s.f. of pulverized dolomitic limestone and 15 lbs. of 10-10-10 fertilizer.
- Harrow, fertilizer and limestone into soil to a depth of at least 3 inch continuous tillage until a reasonably uniform fine firm seeded has been prepared on top of land the final harrowing operation should be on the contour.
- Mulch with straw @ 75 lbs./1000 s.f.

NOTES

- Notify the Howard Co. Bureau of Inspection & permits @ least 24 hrs. before starting work.
- All sediment control devices are to remain in place until permission for removal has been obtained from The Howard Co. Bureau of Inspection & Permits.
- Structural measures such as berms, dikes, traps, basins, etc. will be installed & stabilized according to the plan prior to any disturbance of the existing surface of the site.
- On-site inspection and maintenance of all sediment control measures, including cleanout of traps and berms 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.

VEGETATIVE COVER OPTIONS

Feb. 1 to May 1	1. Sod
May 1 to Aug. 15	2. Seed & Mulch
Aug. 15 to Nov. 1	1. Sod
Nov. 1 to Feb. 1	2. Seed & Mulch

1. Sod delay until next period if ground is frozen
 2. Mulch, anchor, tool, then seed during next seed period

DEVELOPER

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John B. Wheeler DATE
 SIGNATURE DATE

ENGINEER

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Howard H. ... DATE 11/12/80
 SIGNATURE DATE

DEVELOPER

PRODUCTS SUPPORT, INC
 1005 BUILDING
 COLUMBIA, MD

CONTRACTOR

RIGGERS-HANNA BUILDING SYSTEMS, INC
 1004 MARBLE CT.
 COCKEYSVILLE, MD, 21030

OWNER

BWIP, INC
 110 WEST ROAD
 TOWSON, MD, 21204

PARCEL J-1
BALTIMORE WASHINGTON IND. PARK BLOCK E

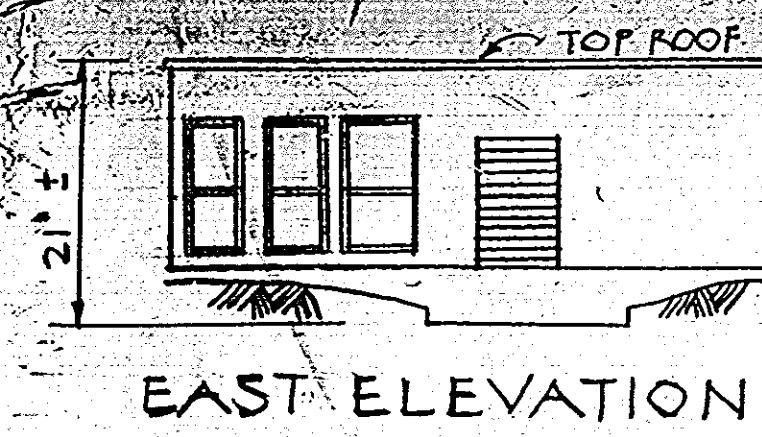
ELECT. DIST. G. HOWARD CO., MARYLAND
 SEPT. 15, 1980

P.B. NO. 4752

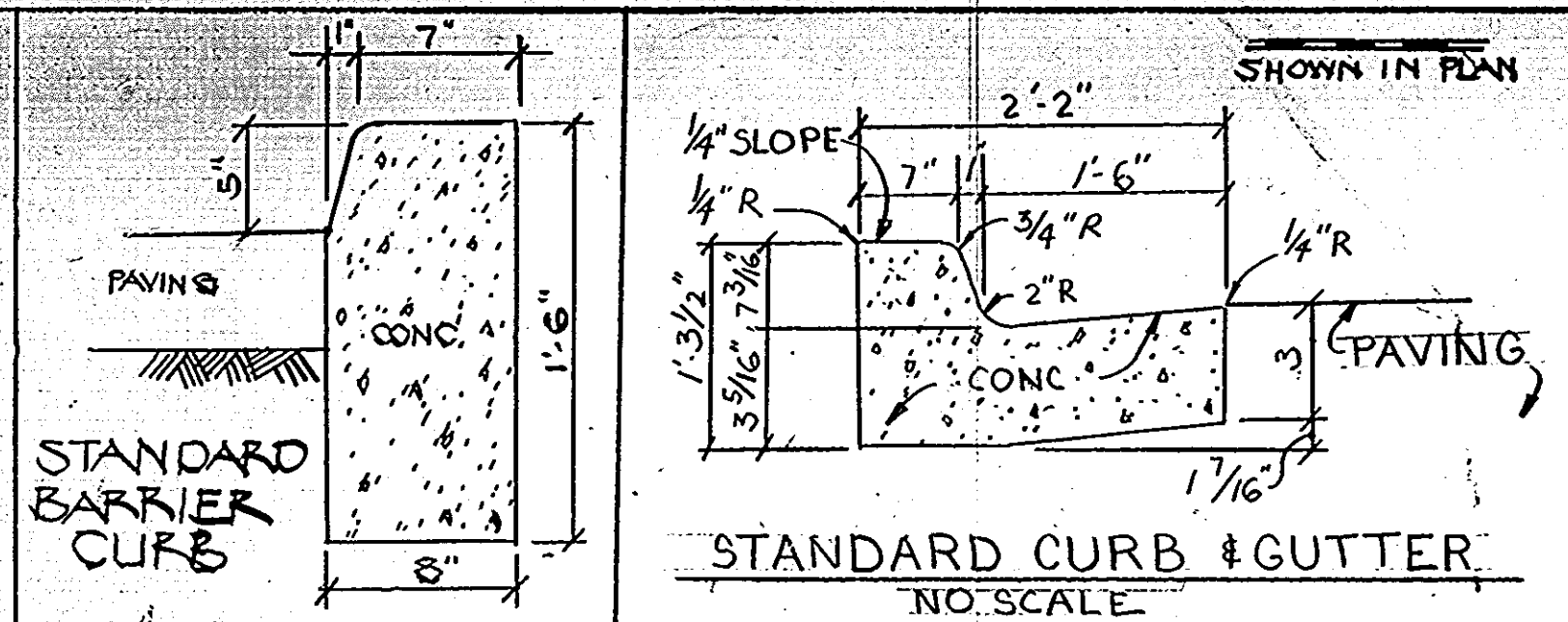
SEDIMENT CONTROL PLAN

SCALE 1" = 30'

3 OF 4

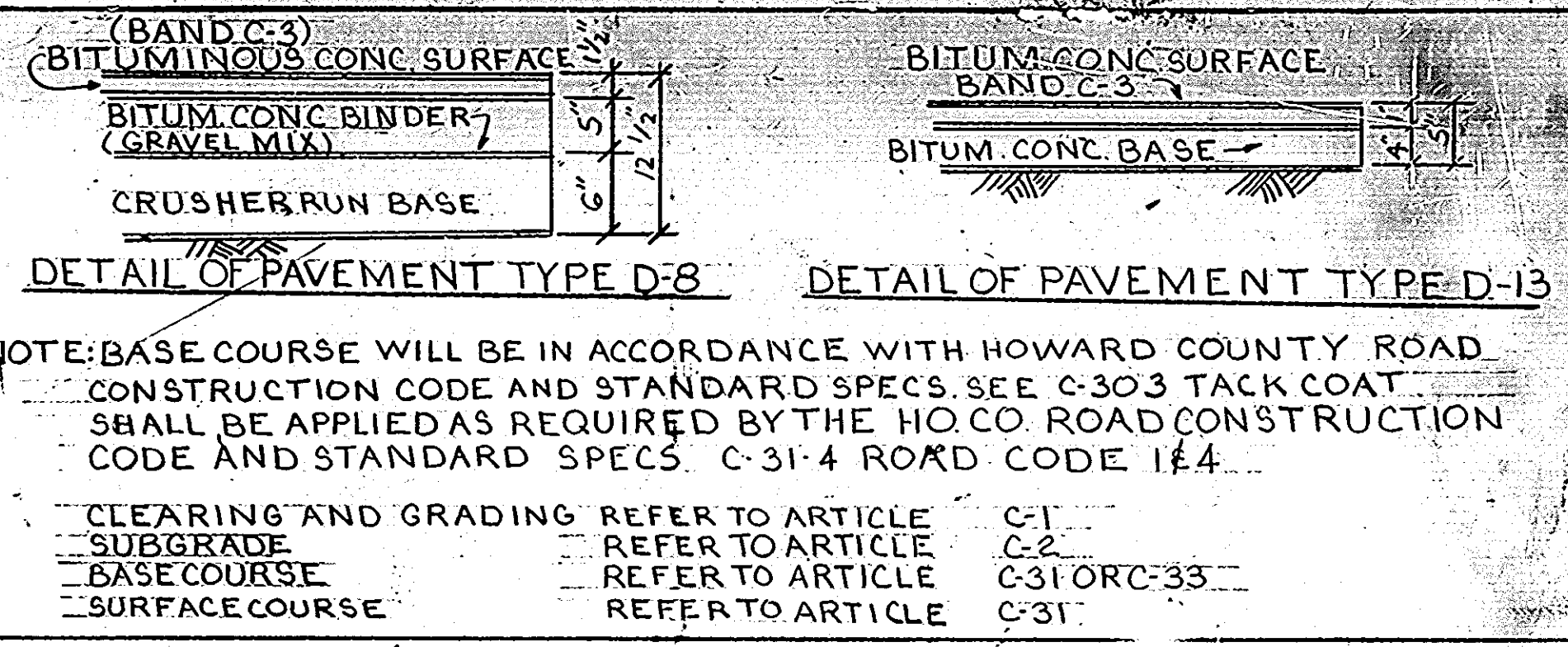


EAST ELEVATION



STANDARD CURB & GUTTER
NO. SCALE

SIDEWALK DETAIL
NO. SCALE



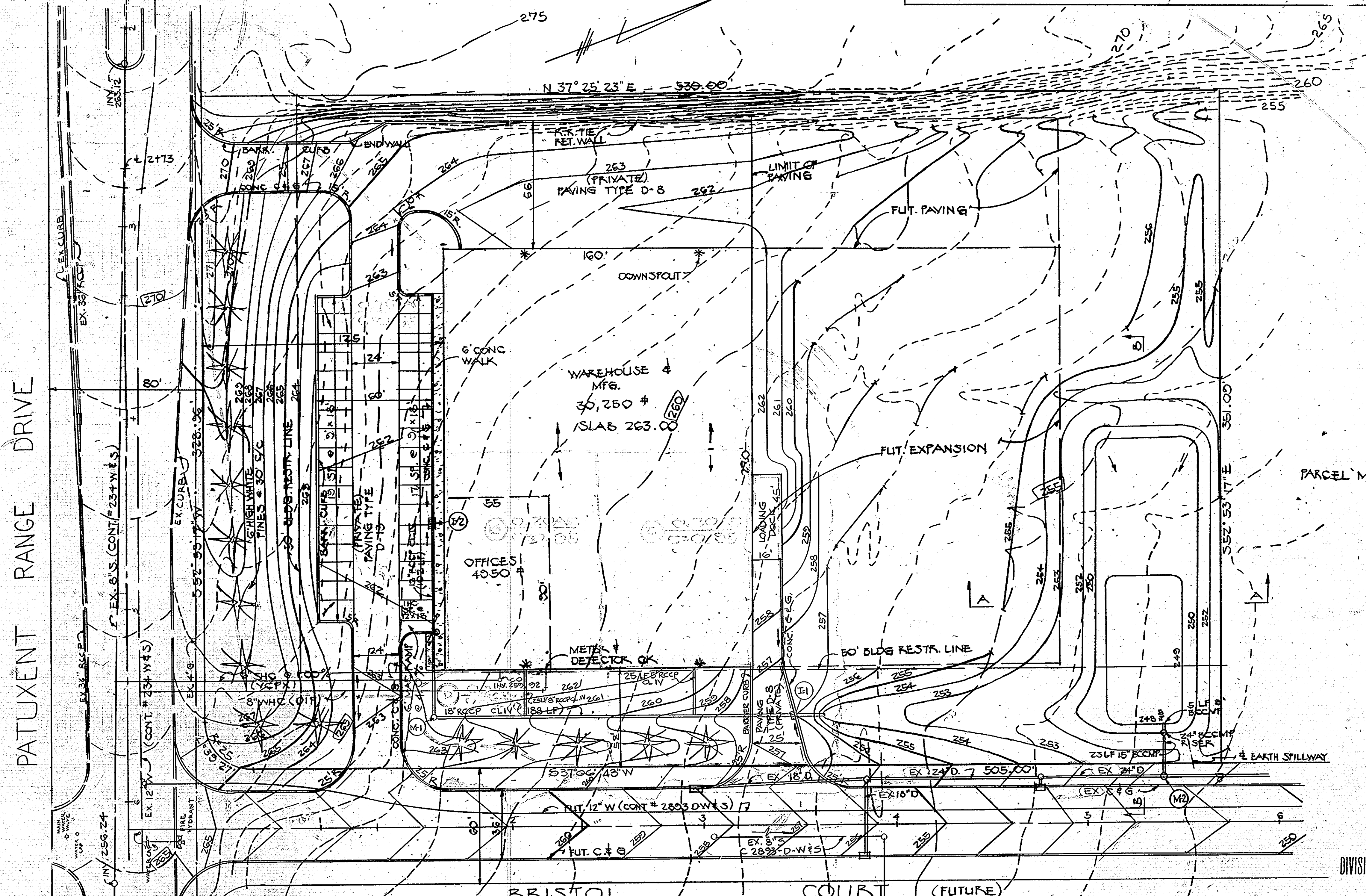
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CLEARING AND GRADING REFER TO ARTICLE C-1
 SUBGRADE REFER TO ARTICLE C-2
 BASE COURSE REFER TO ARTICLE C-31 OR C-33
 SURFACE COURSE REFER TO ARTICLE C-31

ENGINEER: HOWARD COUNTY
 101 SHELL BUILDING
 2001 JOPPA ROAD
 TOWSON, MARYLAND 21204

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS - HOWARD COUNTY HEALTH DEPT.
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 12-8-80

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
 HOWARD S.C.D. DATE: 11-25-80



PATUXENT RANGE DRIVE

BRISTOL COURT (FUTURE)

NOTES:
 1. THIS PLAN IS NOT AFFECTED BY A 100 YR. FLOOD PLAIN.
 2. ALL HANDICAPPED SPACES SHALL BE CLEARLY MARKED THUS "RESERVED FOR PHYSICALLY HANDICAPPED PERSONS" (SIGN SHOWN IN THIS PLAN)
 3. ANY DAMAGE TO COUNTY RIGHT OF WAY OR PAVING WILL BE CORRECTED AT THE DEVELOPERS EXPENCE.
 4. MATERIALS & CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD CO ROAD CONSTRUCTION CODE.

SITE ANALYSIS
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 2. ZONING - M-2
 3. TOTAL FLOOR AREA - 35,200 S.F.
 4. GREEN SPACE PROVIDED - 2.63 AC @ 61%
 5. PARKING REQUIREMENTS
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STRUCTURE SCHEDULE					
NO	TYPE	INV. IN	INV. OUT	TOP	HO. CO. STD.
I-1	S' COMB.	254.63	254.36	250.00	D39 P154
I-2	S' COMB.	257.67	262.00	D59 P154	
M-1	STD. MANHOLE	256.35	262.80	D103 P158	
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APPROVED
 DIVISION OF LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE: 10-30-80



REVIEWED FOR HOWARD COUNTY AND MEETS TECHNICAL REQUIREMENTS
 SIGNATURE: *[Signature]* DATE: 11/25/80
 U.S. SOIL CONSERVATION SERVICE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 DIRECTOR: *[Signature]* DATE: 12-9-80
 CHIEF, DIVISION OF LAND DEVELOPMENT

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE & STORM DRAINAGE SYSTEMS AND PUBLIC ROADS - HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* DATE: 12-3-80
 CHIEF, BUREAU OF ENGINEERING

DEVELOPER
 I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THE PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND I AUTHORIZE PERIODIC ON SITE INSPECTION ON THE HOWARD COUNTY SOIL CONSERVATION DISTRICT BY THE AUTHORIZED AGENTS AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
 SIGNATURE: *[Signature]* DATE: 11/12/80

ENGINEER
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 SIGNATURE: *[Signature]* DATE: 11/12/80

DEVELOPER
 PRODUCTS SUPPORT, INC
 CORSEY BUILDING
 COLUMBIA, MD

CONTRACTOR
 FIGGER HANNA BUILDING SYSTEMS, INC
 10104 MARBLE CT.
 SOCKEYSVILLE, MD. 21030

OWNER
 BWIF, INC
 110 WEST ROAD
 TOWSON, MD. 21204

PARCEL J-1
 BALTIMORE WASHINGTON IND.
 PARK BLOCK 'E'

ELECT. DIST. G HOWARD CO., MARYLAND
 SEPT. 15, 1980
 P.B. NO. 4755

DRAINAGE AREA PLAN
 SCALE: 1"=30'
 SHEET 4 OF 4