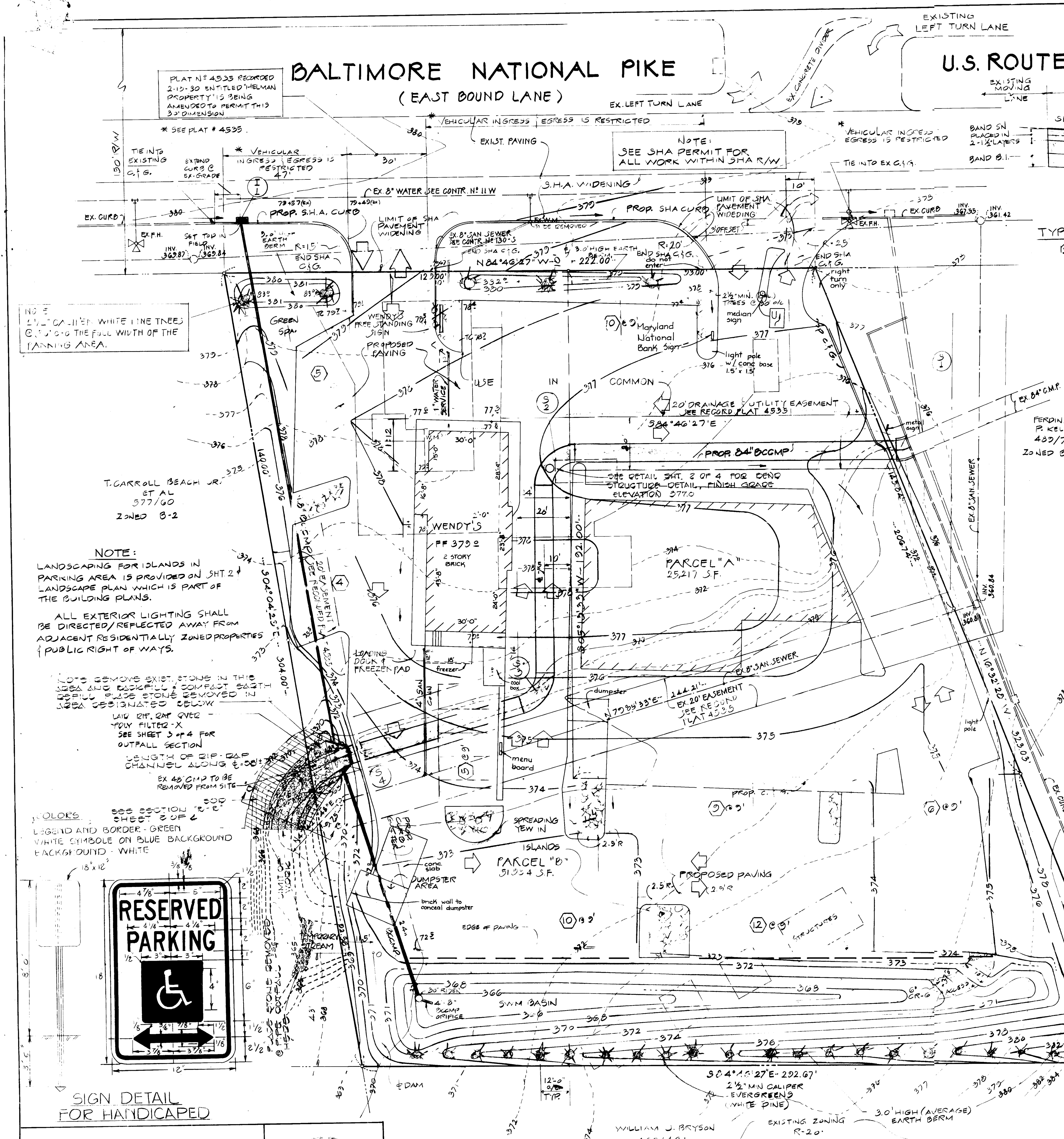
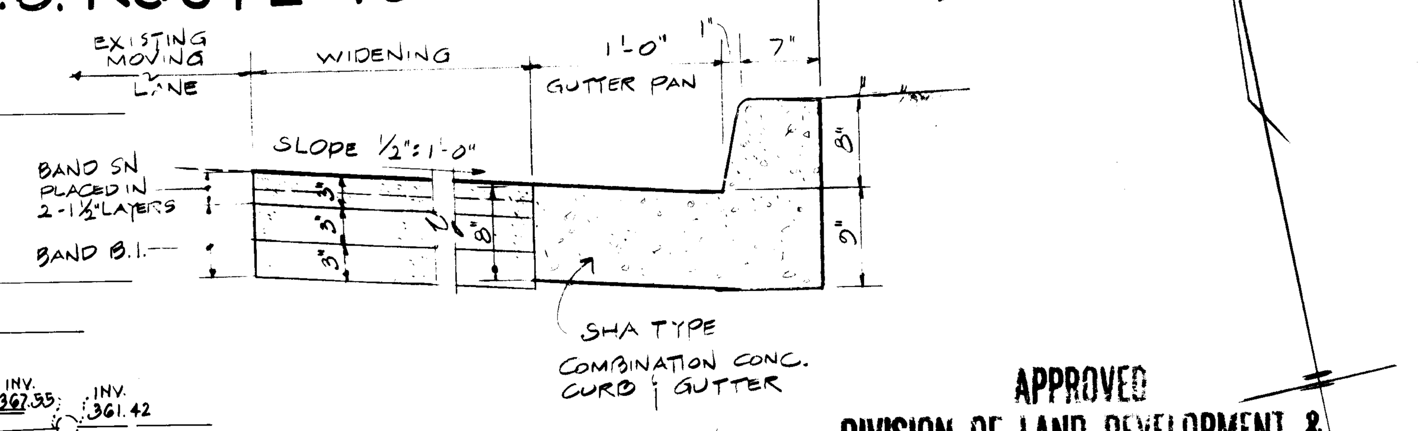
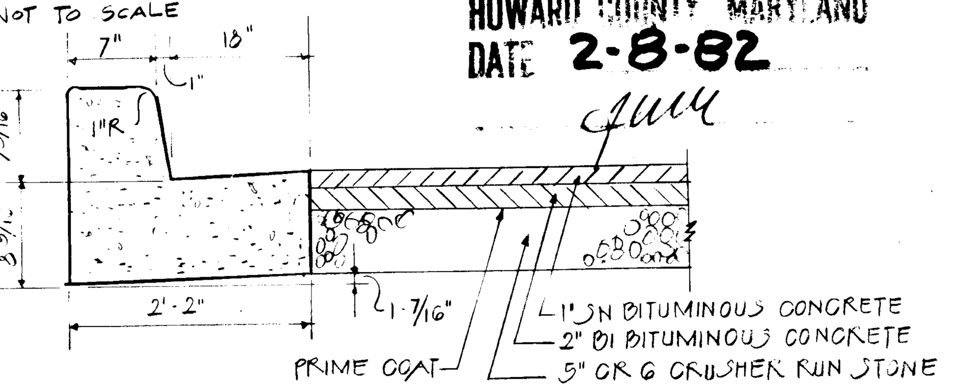




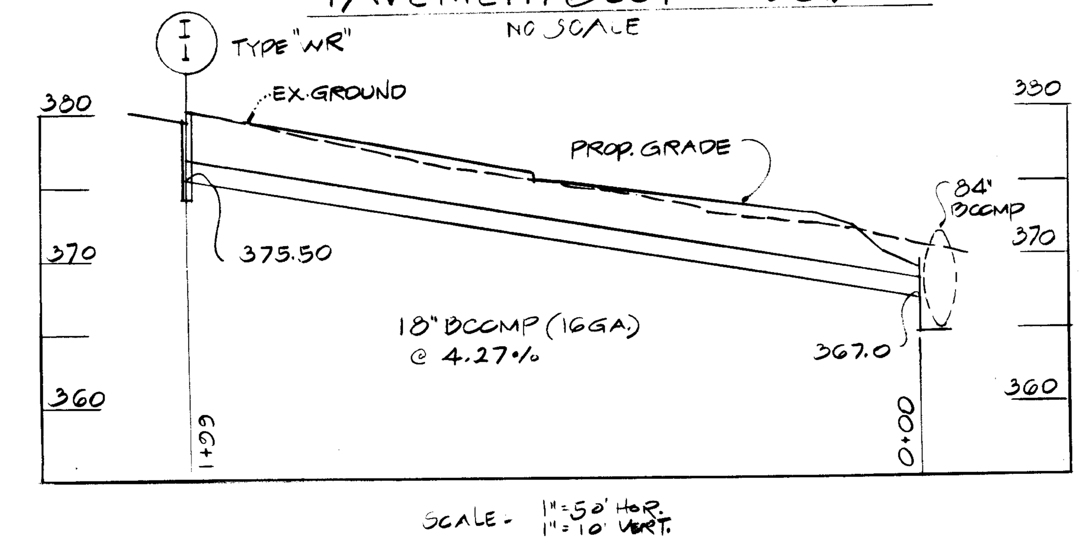
TYPICAL CONCRETE CURB & PAVING
BALTIMORE NATIONAL PIKE
NOT TO SCALE

APPROVED DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION HOWARD COUNTY, MARYLAND DATE 2-8-82



NOTES:
1. BITUMINOUS CONCRETE BAND DESIGNATIONS ARE STATE HIGHWAY ADMINISTRATION
2. BITUMINOUS CONCRETE, MACADAM, DENSE GRADED AGGREGATE AND/OR GRAVEL SHALL BE MIXED AND PLACED IN ACCORDANCE WITH MD. S.H.A. SPECIFICATIONS
3. A TACK COAT OF 0.05 GAL/SQ YD OF AE-4 SHALL BE APPLIED TO EACH UNDERLYING LAYER OF BITUMINOUS CONCRETE PRIOR TO PLACING SUBSEQUENT COURSES.
4. PRIME COAT OF 0.3 GAL./SQ.YD. OF MC-70 SHALL BE APPLIED ON THE TOP ALL GRANULAR BASE COURSES.

STANDARD 7" COMBINATION CURB & GUTTER & PAVEMENT SECTION DETAIL
NO SCALE



SCALE - 1"=50' HOR. 1"=10' VERT.

GENERAL NOTES

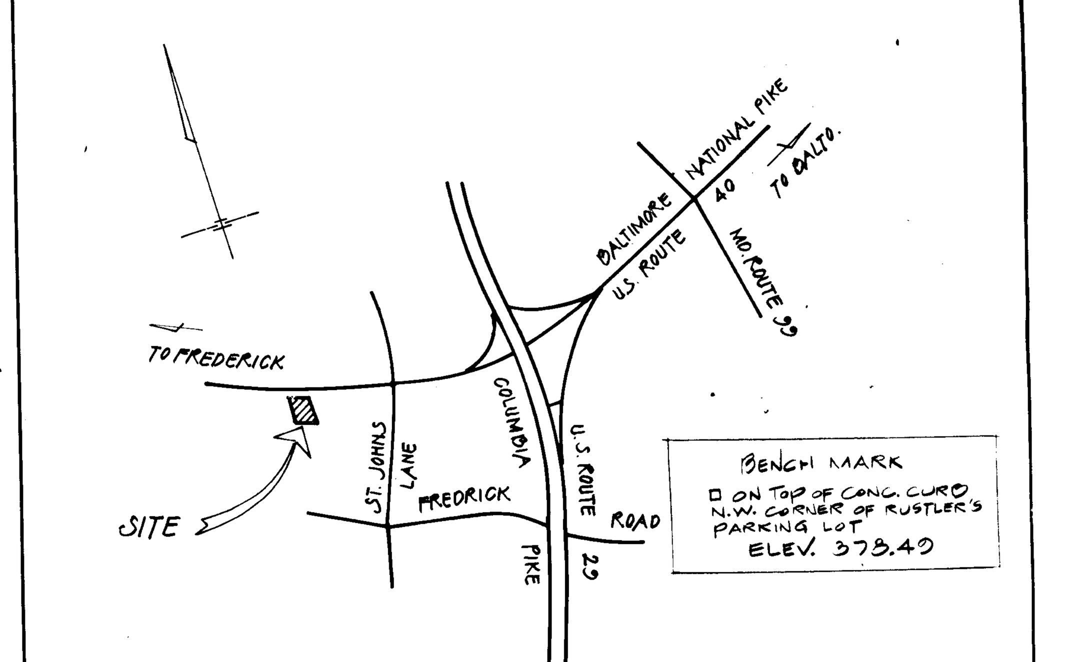
1. PROPERTY OWNER: MORRIS & BETTY HELMAN & WILLIAM J. BRYSON c/o MORRIS HELMAN CARPET FAIR INC. 7100 RUTHERFORD RD. BALTIMORE MD. 21207 (301) 298-5800
2. CONTRACT PURCHASER: THE KRYSTAL CORP. 6-A VILLAGE GREEN CROFTON, MD (301) 793-3905
3. SITE ENGINEER: PEELER & CO., INC 36 THOMAS AVE BALTO. MD. 21225 (301) 636-4040
4. DEED OF RECORD: LIBER 680 FOLIO 334 DATED 4/30/74
5. RECORD PLAT Nº 4535 RECORDED 2/13/80 "HELMAN PROPERTY"
6. GROSS SITE AREA: 77201 S.F. (1.7723 AC.)
7. EXISTING ZONING: B-2
8. HOWARD CO. TAX MAP 24 PARCEL 1154
9. PROPOSED USE: RESTURANT
10. PROPOSED BUILDING FLOOR AREA: 2262 S.F.
11. PARKING SPACES REQUIRED:

RESTURANT		
88 SEATS/3	=	30
26 EMP/2	=	10
TOTAL REQUIRED	=	40

12. PARKING SPACES PROVIDED: 61 (INCL 2 H.C.)
13. ALL SITE WORK & WORK IN COUNTY R/W SHALL BE COMPLETED IN ACCORDANCE W/HOWARD CO STANDARD DETAILS & SPECIFICATIONS.
14. ALL WORK WITHIN S.H.A. R/W SHALL BE COMPLETED IN ACCORDANCE W/S.H.A ACCESS PERMIT AND S.H.A. STANDARD DETAILS & SPECIFICATIONS.
15. ELEVATIONS & COORDINATE POINTS BASED ON HOWARD CO. BENCH MARK (MONUMENTS).
16. ALL AREAS OF SITE THAT ARE NOT PAVED SHALL BE STABILIZED IN ACCORDANCE W/SEDIMENT & EROSION CONTROL PLAN.
17. ALL EXISTING BUILDINGS/STRUCTURES SHALL BE RAZED.
18. SEWER CONNECTION TO WENDYS SHALL BE CONSTRUCTED PRIOR TO CONSTRUCTION OF 84" DRAIN.

TOTAL PARKING LOT AREA = 0.75 AC.
TOTAL AREA OF LANDSCAPED ISLANDS IN PARKING AREA: 1670 S.F.
TOTAL AREA GREEN SPACE = 0.40 AC. (.33% OF NET SITE AREA - EXCLUDES PARCEL "A")
PAVEMENT COVERAGE = 64% OF NET SITE AREA
NET SITE 1.77 - 0.58 (PARCEL A) = 1.19 AC.

NOTE: THIS PLAN IS A REVISION TO SDP 79-99



VICINITY MAP
SCALE: 1"=2000'

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

Joseph G. Peeler Jr. — 1/18/82
JOSEPH G. PEELER JR. P.E. Nº 2561 — DATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT RESPONSIBLE 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.

Morris Helman — 1/19/82
MORRIS HELMAN — DATE

REVIEWED FOR: HOWARD SOIL CONSERVATION DISTRICT
NAME
AND MEETS TECHNICAL REQUIREMENTS
James M. Nelson — 4-15-82
SIGNATURE — DATE
U.S. SOIL CONSERVATION DISTRICT

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT.
APPROVED: William J. Rowe — 4-15-82
HOWARD SOIL CONSERVATION DISTRICT — DATE

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
Joseph Beyllin — 5-7-82
COUNTY HEALTH OFFICER — DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
Joseph W. Musselman — 5-11-82
PLANNING DIRECTOR ACTING — DATE
Joseph W. Musselman — 5-11-82
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING AMINISTRATION — DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, AND STORM DRANAGE SYSTEMS AND ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Henry F. Nemuyn — 4-30-8
DIRECTOR — DATE
— 4/30/82
CHIEF, BUREAU OF ENGINEERING — DATE

NOTE:
SINCE THE BUILDING IMPROVEMENT SHOWN HEREON IS DEPENDENT ON THE RELOCATION OF THE 100 YR. FLOOD PLAIN, THE ISSUANCE OF ANY BUILDING PERMIT ON THIS PARCEL IS SUBJECT TO THE CONDITION THAT NO CONSTRUCTION RELATED TO THE BUILDING WILL BE DONE UNTIL THE 84" BCCMP STORM DRAINAGE PIPE IS CONSTRUCTED BY THE DEVELOPER AND INSPECTED BY THE COUNTY

Morris Helman — 1/19/82
DEVELOPER — DATE

REVISED SITE DEVELOPMENT PLAN
HOWARD COUNTY PLAN SDP-79-99
PARCELS "A-1" AND "B-1"
RECORD PLAT OF
HELMAN PROPERTY
RECORDED 4-27-82 AS PLAT # 5186
9235 BALTIMORE NATIONAL PIKE (U.S. 40)
2ND ELECTION DISTRICT HOWARD COUNTY, MD.
TAX MAP 24 PARCEL 1154 AREA = 1.7723 ACS. EXISTING ZONING B-2

SCALE: 1"=20' — NOV. 18, 1981

"SDP-82-67"

SHEET 1 OF 4

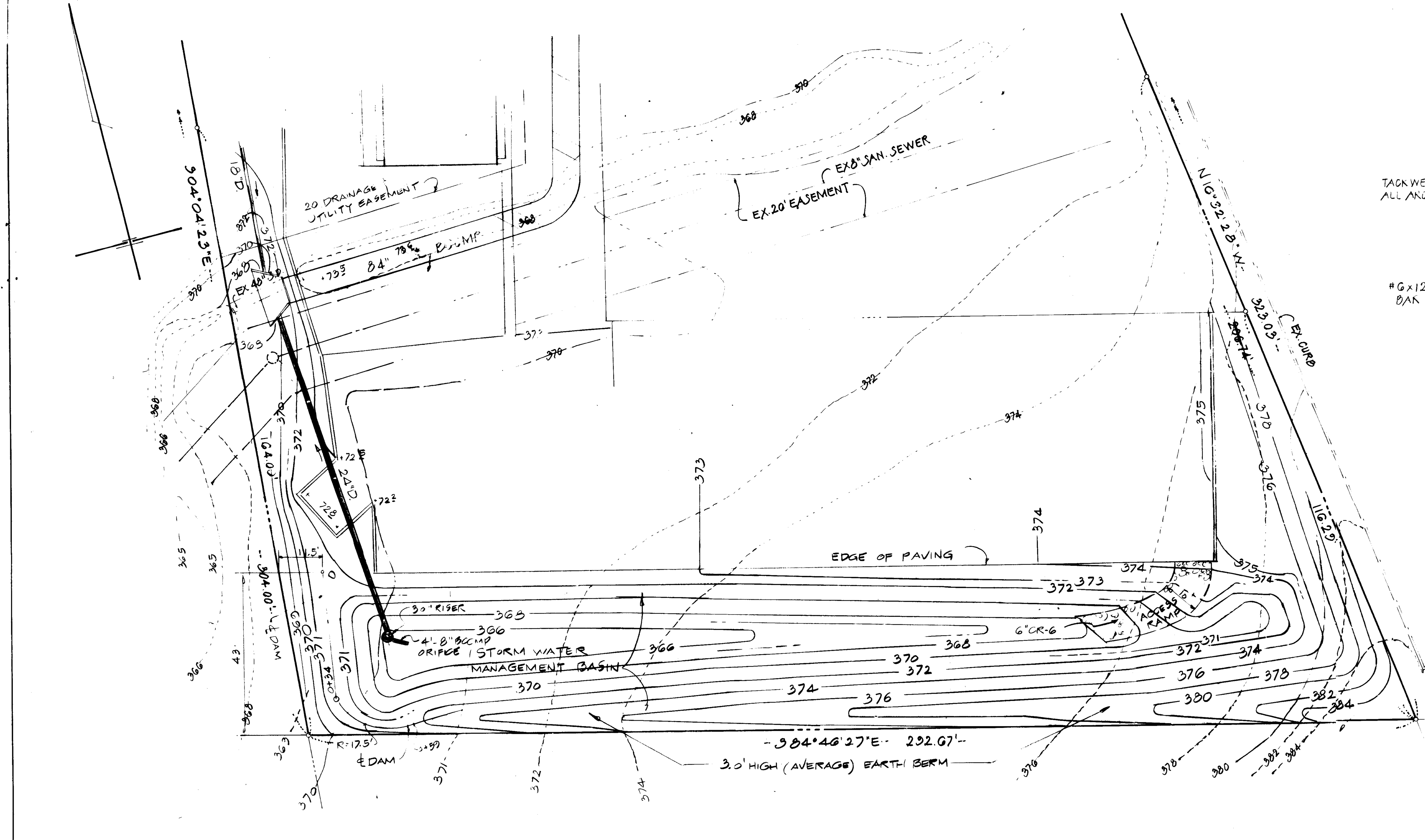
PEELER & COMPANY, INC.
ENGINEERS
36 THOMAS AVE.
BALTIMORE, MARYLAND 21225
301-636-4040

REVISION 2/20/82 ADDED RIP-RAP CHANNEL
REVISION - 7/6/82 - ADDED NOTE FOR BEND STRUCTURE, AND RIP RAP @ S-4.
REVISION - 9/1/82 - CHANGED 2" WATER TO 1", AND RELOCATED
REVISION 1/11/90 - Revised Parking to As-Built Added Freezer to Wendy's

NOTE:
THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION SURVEY DIVISION 24 HRS IN ADVANCE OF COMMENCEMENT OF WORK @ 992-2417 OR 992-2418

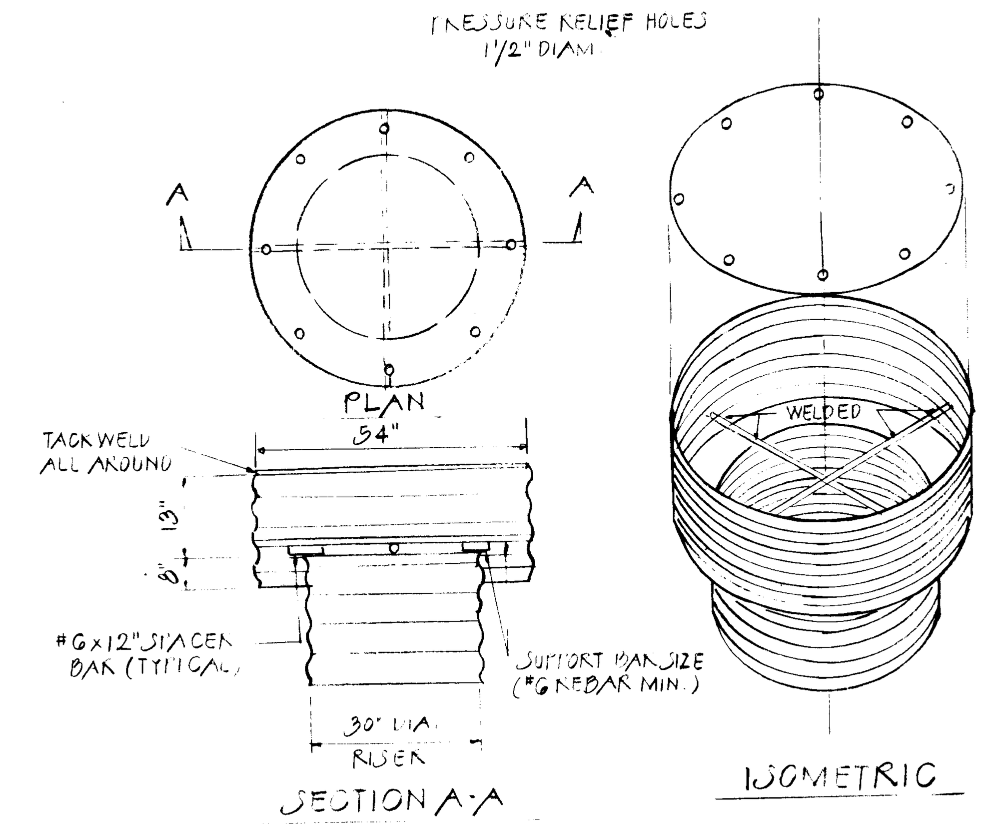
SDP-82-67

398



PLAN

SCALE: 1" = 20'



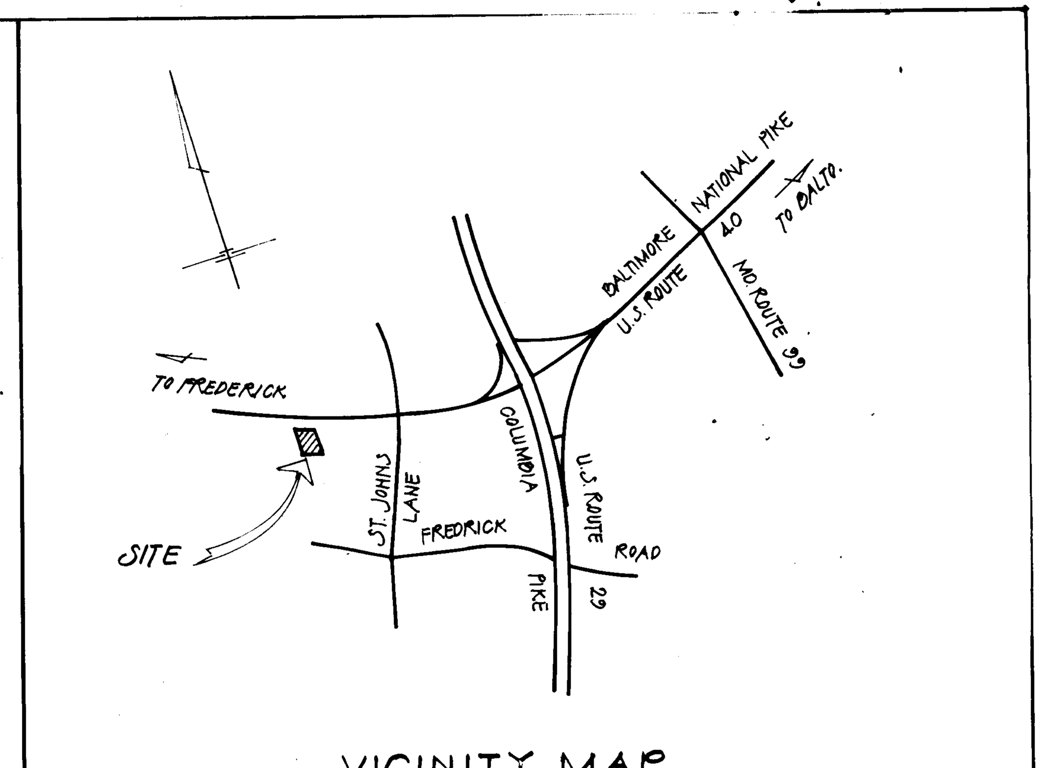
TOP IS 16 GAGE CORRUGATED METAL OR 1/8" STEEL PLATE PRESSURE RELIEF HOLES MAY BE OMMITTED, IF ENDS OF CORRUGATIONS ARE LEFT FULLY OPEN WHEN CORRUGATED TOP IS WELDED TO CYLINDER.

CYLINDER IS GAGE CORRUGATED METAL PIPE OR FABRICATED FROM 1/8" STEEL PLATE

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

CONCENTRIC TRACH RACK AND ANTI-VORTEX DEVICE

NOT TO SCALE



VICINITY MAP

SCALE: 1" = 2000'

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

Joseph G. Peeler Jr. — 1/18/82
JOSEPH G. PEELER JR. P.E. No. 2561 — DATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT 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.

Morris Helman — 1/19/82
MORRIS HELMAN — DATE

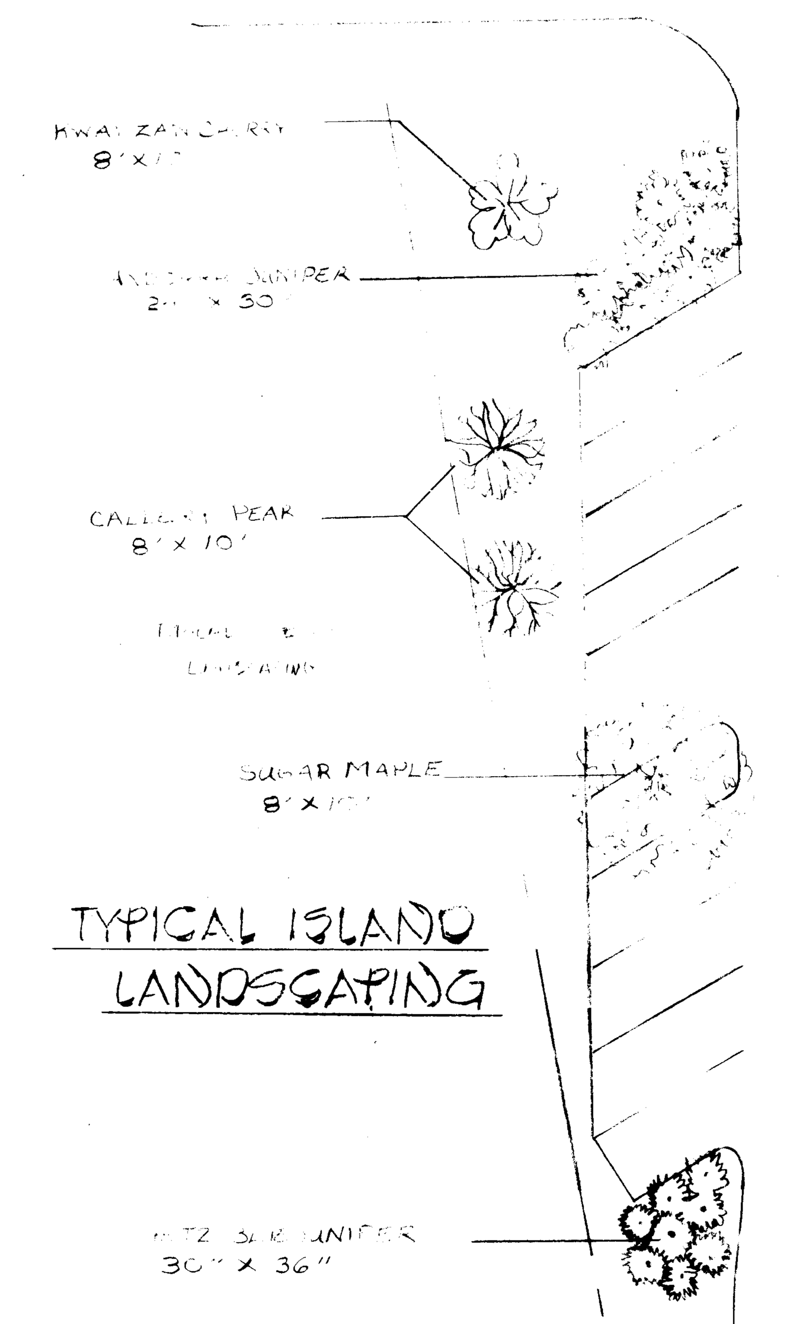
REVIEWED FOR: HOWARD SOIL CONSERVATION DISTRICT
NAME
AND MEETS TECHNICAL REQUIREMENTS
[signature] — 4-15-82
SIGNATURE — DATE
U.S. SOIL CONSERVATION DISTRICT

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT
APPROVED: William V. Rowe — 4-15-82
HOWARD SOIL CONSERVATION DISTRICT — DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[signature] — 4-30-82
DIRECTOR — DATE
[signature] — 4/30/82
CHIEF, BUREAU OF ENGINEERING — DATE

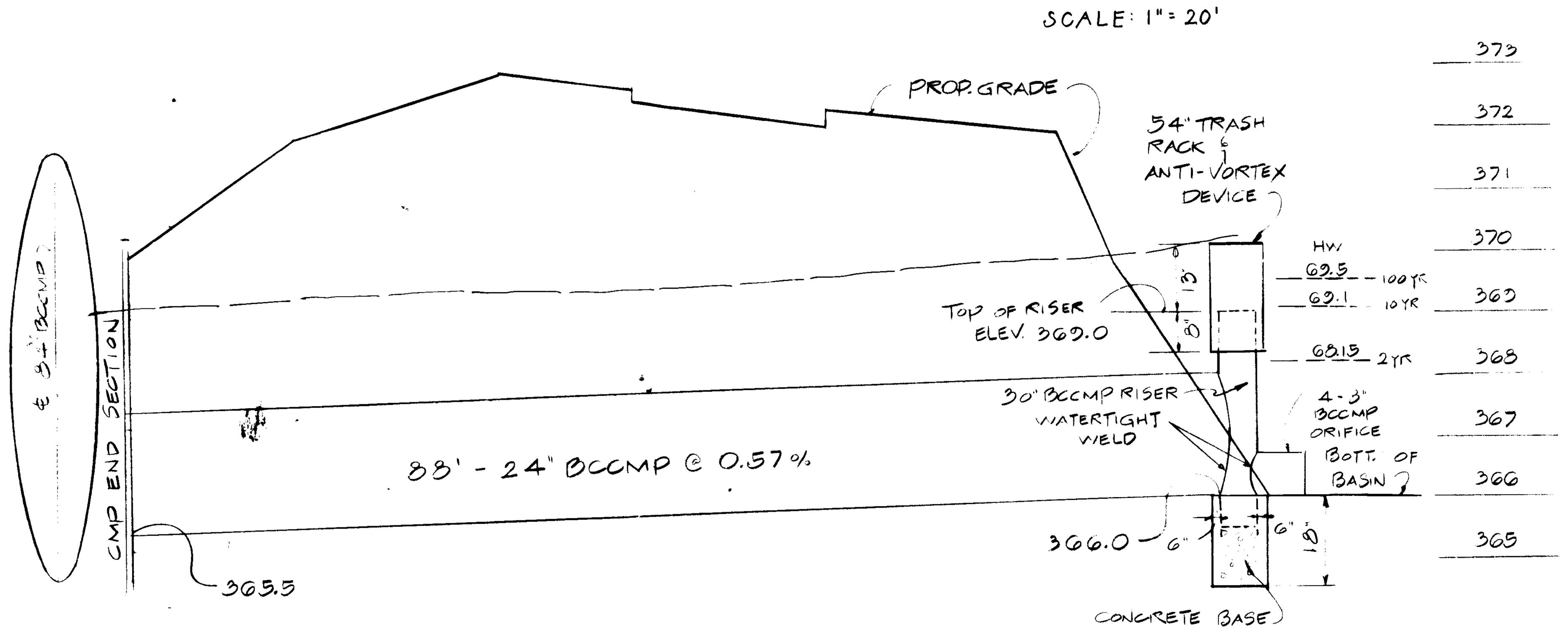
APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
[signature] — 5-7-82
COUNTY HEALTH OFFICER — DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
John C. Musselman — 5-11-82
PLANNING DIRECTOR ACTING — DATE
John C. Musselman — 5-11-82
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE



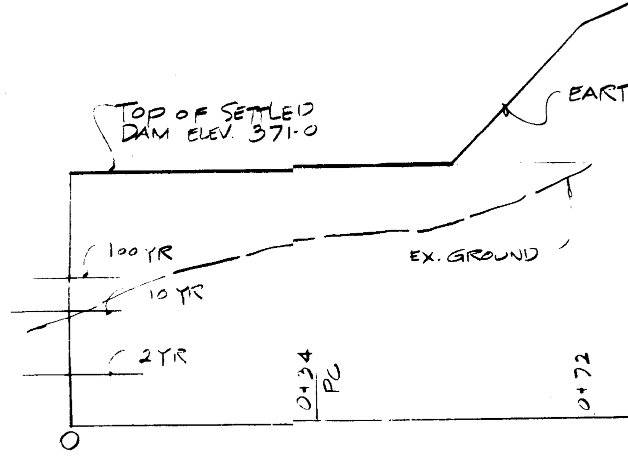
TYPICAL ISLAND LANDSCAPING

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 2-8-82
[signature]



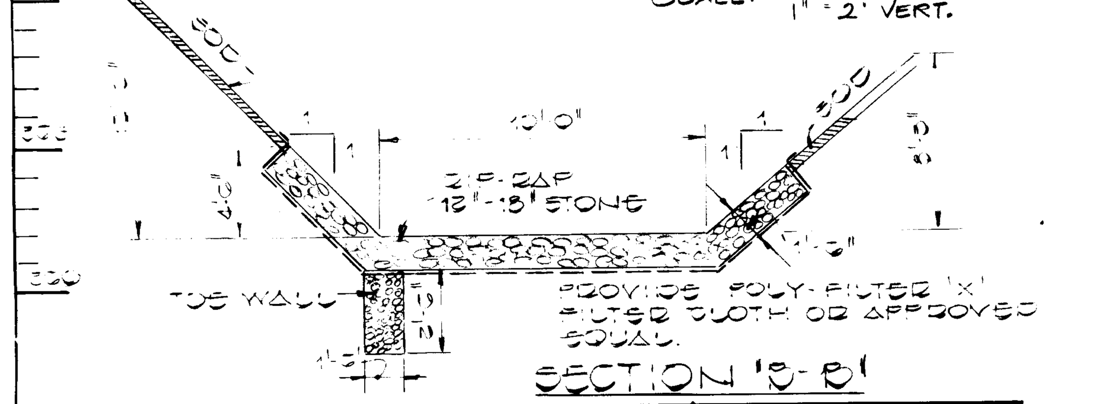
PROFILE OF PRINCIPAL SPILLWAY

SCALE: 1" = 10' HOR. 1" = 2' VERT.



PROFILE ALONG ℄ OF DAM

SCALE: 1" = 20' HOR. 1" = 2' VERT.

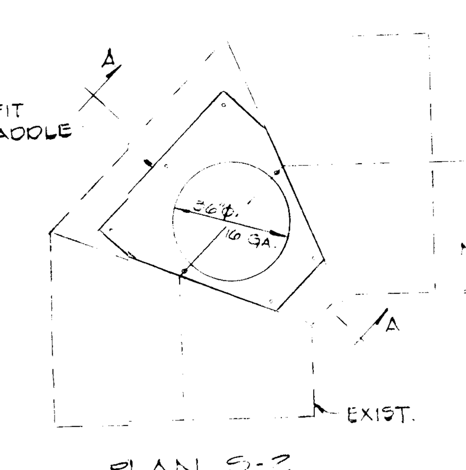


SECTION 'B-B'

GENERAL NOTES

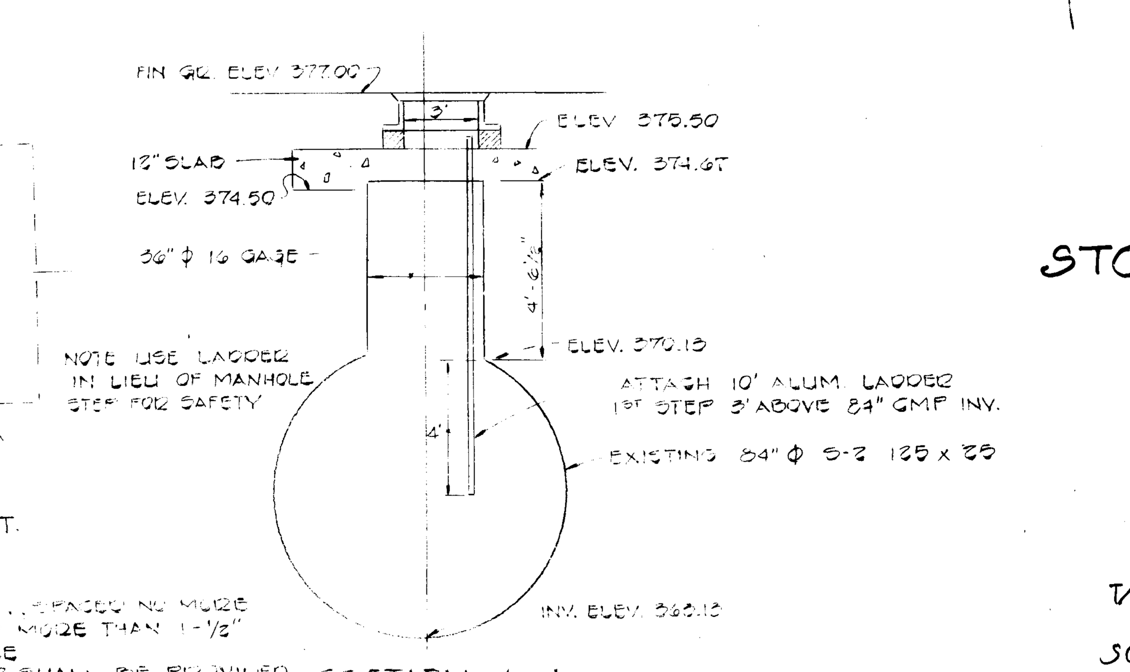
1. STRUCTURE : CLASS "a"
2. STORAGE x HEIGHT PRODUCT · 2.9 x 0.14 = 0.41
3. WATERSHED AREA = 1.64 AC.
4. NORMAL SURFACE AREA = DRY POND
5. AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED TO REMOVE ALL TREES, VEGETATION, ROOTS, OR OTHER OBJECTIONABLE MATERIAL & TOPSOIL STRIPPED & STOCKPILED.
5. EMBANKMENT AREA SHALL BE CONSTRUCTED IN 8" MAX. LIFTS AND COMPACTED TO 95% DENSITY BY ASTM 698 (STD. PROCTOR)

STORAGE PROVIDED:	2 YR	.12 AC. FT
	10 YR	.21 AC. FT.
	100 YR	.23 AC. FT
RELEASE RATE	2 YR	2.2 CFS
	10 YR	3.5 CFS
	100 YR	11.8 CFS



PLAN S-2

NOTES 1.) THE BOLTS SHALL BE 3/4" DIA., SPACED NO MORE THAN 12" O/C WITH THE BOLT HOLES NO MORE THAN 1-1/2" FROM THE OUTER EDGES OF THE SADDLE
2.) AT LEAST (6) SIX INCHES LIP SHALL BE PROVIDED BETWEEN RISER HOLE AND THE SADDLE OUTER EDGES.



SECTION A-A

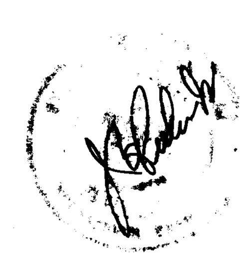
SADDLE MANHOLE DETAIL FOR S-2 STRUCTURE

NO SCALE

REVISION - 3-25-82 ADDED SECTION 'B-B'
REVISION - 7-6-82 - ADDED BEND STRUCTURE DETAIL
REVISION 9-1-82 REMOVED BEND STRUCT. ADD SADDLE DETAIL

THIS PLAN IS A REVISION TO SDP 79-99

PEELER & COMPANY, INC.
ENGINEERS
36 THOMAS AVE.
BALTIMORE, MARYLAND 21225
301-636-4040



STORM WATER MANAGEMENT PLAN

HOWARD COUNTY PLAN SDP-79-99
PARCELS "A-1" AND "B-1"
RECORD PLAT OF

HELMAN PROPERTY

RECORDED 4-21-82 AS PLAT # 5186
9235 BALTIMORE NATIONAL PIKE (U.S. 40)
2ND ELECTION DISTRICT HOWARD COUNTY, MD.
TAX MAP 24 PARCEL 1154 AREA - 1.7723 ACS. EXISTING ZONING B-2

SCALE: AS SHOWN — NOV. 18, 1981

"SDP-82-67"

SDP-82-67

BALTIMORE NATIONAL PIKE
(EAST BOUND LANE)

U.S. ROUTE 40

EXISTING LEFT TURN LANE

EX. LEFT TURN LANE

NOTE: SEE SHA PERMIT FOR ALL WORK WITHIN SHA R/W

EXIST PAVING

TIE TO EX. CURB & GUTTER

EX. CURB

EX F.H.

PROP. S.H.A. CURB

BERM

EX 8" WATER SEE CONTR. No 11W

P.D.

EX 8" SAN SEWER SEE CONTR No 130-3

PROP. SHA CURB

TIE INTO EX C & G

EX CURB

INV 361.55

INV 361.42

INV 362.87

INV 362.84

R=15

R=20

R=25

END SHA C&G

N 84°46'27" W 222.00'

SW HEDGE

129.00'

PROP CURB

R=12

R=10

75' S.C.E.

(CAL) 30' o/c PAINTED LINE

EX. PROPOSED PAVING

USE IN COMMON

20' DRAINAGE & UTILITY EASEMENT SEE RECORD PLAT 4939

PROP 84" DCCMP

EX 84" CMP

FERDINAND P. KELLY 403/741

EX 8" SAN SEWER

WENDY'S FF 379.2

PARCEL "A" 42,211 SF

LOADING DOCK & FREEZER PAD

RAMP UP

20' DRAINAGE & UTILITY EASEMENT

EX. 20' EASEMENT

INV 360.84

INV 362.84

LIMIT OF DISTURBANCE

EX. CURB

PROP. C & G.

PARCEL "B" 51934 S.F.

PROPOSED PAVING

DUMPSTER AREA

EDGE OF PAVING

FIXTURES

WHEEL STOPS (PRECAST CONC.)

SEDIMENT BASIN (ULT. USE AS SWM. BASIN)

ACCESS

CR-6

ZONED B-2

EDAM

N 84°46'27" E 292.67'

WILLIAM J. BRYSON 466/461

EXISTING ZONING R-20

4'-8" DCCMP ORIFICE

DEWATERING DEVICE (SEE DETAIL)

TEMPORARY STONE FILTER TO BE INSTALLED ACROSS EXISTING WATER COURSE. SEDIMENT LOAD SHALL BE REMOVED DAILY. SEE SECT A-A

PERMANENT OUTFALL PROTECTION: CL. IV (4"-7" STONE) GABIONS. PROVIDE 130 SQ. FT. OUTLET PROTECTION ON SITE SEE SHEET 3 OF 4 FOR OUTFALL SECTION

SECTION A-A

BOTTOM OF STREAM

No 2 STONE

T. CARROLL BEACH ET AL 577/60

P.D. & LIMIT OF DISTURBANCE

S.D.D. & LIMIT OF DISTURBANCE

100 YR. G&S

10 YR. G&I

2 YR G&I

30" RISER

8" PERF. CMP. WRAP W/ SCREEN (1" CLEAR OF PIPE) & POLY FILTER X.

8" No 2 STONE

BOTT. BASIN 366.0

SCREEN COLLAR

WELD CAP TO 8" PERF. CMP

4'-8" DCCMP ORIFICE

BASIN DEWATERING DEVICE
SEDIMENT CONTROL PHASE

NOT TO SCALE

TO BE USED UNTIL BASIN IS CLOSED OUT AS SEDIMENT CONTROL DEVICE

EXISTING MOVING LANE

WIDENING

1'-0"

GUTTER PAN

7"

LANDSCAPED AREA

SLOPE ½":1'-0"

SN = 2-1½" LAYERS

B.I.

3" BIT. CONC. (3-3" LAYERS)

SHA TYPE 'A' COMBINATION CONC. CURB & GUTTER

TYPICAL CONCRETE CURB & PAVING
BALTIMORE NATIONAL PIKE
NOT TO SCALE

7"

10"

1'-2"

2'-2"

1½"

7 7/16"

PRIME COAT

1½" BI BITUMINOUS CONCRETE
2" BI BITUMINOUS CONCRETE
5" GR G CRUSHER RUN STONE

NOTES:
1. BITUMINOUS CONCRETE BASE DESIGNATIONS ARE STATE HIGHWAY ADMINISTRATION
2. BITUMINOUS CONCRETE, MACADAM, DENSE GRADED AGGREGATE AND GRAVEL SHALL BE MIXED AND PLACED IN ACCORDANCE WITH MD S.H.A. SPECIFICATIONS
3. A TACK COAT OF 0.05 GAL/SQ. YD. OF AE-4 SHALL BE APPLIED TO EACH SUCCEEDING COURSE OF BITUMINOUS CONCRETE PRIOR TO PLACING SUBSEQUENT COURSE.
4. A TACK COAT OF 0.1 GAL/SQ. YD. OF AE-70 SHALL BE APPLIED ON THE TOP AS INDICATED ON THE DRAWINGS.

STANDARD 7" COMBINATION CURB & GUTTER & PAVEMENT SECTION DETAIL
NO SCALE

EX. GROUND

PROP. GRADE

84" DCCMP

375.50

367.0

18" DCCMP (16GA) @ 4.27%

330

270

360

370

380

1+00

0+00

SCALE: 1"=50' HOR.
1"=10' VERT.

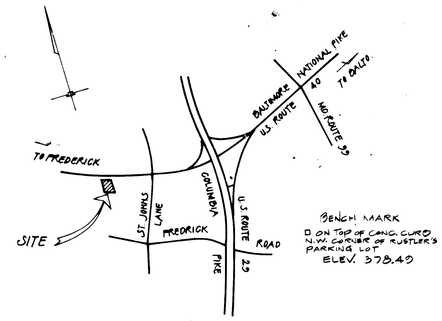
APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MD.
DATE 2-8-82

SEDIMENT CONTROL CONSTRUCTION PHASING

1. NOTIFY HOWARD COUNTY BUREAU OF INSPECTIONS & PERMITS AT LEAST 24 HRS BEFORE BEGINNING WORK.
2. BEFORE GENERAL GRADING OPERATIONS BEGIN, CONTRACTOR SHALL INSTALL 84" DCCMP, BACKFILLING & STABILIZING AT THE END OF EACH DAY'S WORK IN ORDER TO CONVEY OFFSITE FLOWS THROUGH SITE.
3. INSTALL ALL TEMPORARY SEDIMENT CONTROL MEASURES: S.C.E., P.D., S.D.D. & BASIN. DIVERT ALL SITE FLOW TO BASIN.
4. ROUGH GRADE SITE.
5. FINE GRADE SITE. INSTALL STONE BASE ON AREAS TO BE PAVED, & VEGETATIVELY STABILIZE ALL AREAS TO BE LANDSCAPED
6. AFTER OBTAINING PERMISSION FROM SOIL CONSERVATION DISTRICT, REMOVE TEMPORARY SEDIMENT CONTROL MEASURES AND STABILIZE AFFECTED AREAS.

TOTAL AREA OF DISTURBANCE = 63,000 SQFT.
TOTAL EARTH MOVEMENT 2000 CY (BASIN CUT)
1200 CY: BORROW REQUIRED (TO BE OBTAINED FROM APPROVED SITE)

THIS PLAN IS A REVISION TO SDP 79-99



BENCH MARK
□ ON TOP OF CONC. CURB N.W. CORNER OF RUSTLER'S PARKING LOT
ELEV. 378.40

VICINITY MAP
SCALE: 1"=2000'

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

JOSEPH G. PEELER JR. P.E. No 2561 — 1/18/82 DATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT RESPONSIBLE 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.

MORRIS HELMAN — 1/19/82 DATE

REVIEWED FOR: HOWARD SOIL CONSERVATION DISTRICT
NAME
AND MEETS TECHNICAL REQUIREMENTS
SIGNATURE — 4-15-82 DATE
U.S. SOIL CONSERVATION DISTRICT

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

APPROVED: William V. Penn — HOWARD SOIL CONSERVATION DISTRICT — 4/15/82 DATE

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — 5-7-82 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR — 5-11-82 DATE
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING AMINISTRATION — 5-11-82 DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, AND STORM DRAINAGE SYSTEMS AND ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR — 4-30-82 DATE
CHIEF, BUREAU OF ENGINEERING — 4-30-82 DATE

NOTE:
SINCE THE BUILDING IMPROVEMENT SHOWN HEREON IS DEPENDENT ON THE RELOCATION OF THE 100 YR. FLOOD PLAIN, THE ISSUANCE OF ANY BUILDING PERMIT ON THIS PARCEL IS SUBJECT TO THE CONDITION THAT NO CONSTRUCTION RELATED TO THE BUILDING WILL BE DONE UNTIL THE 84" DCCMP STORM DRAINAGE PIPE IS CONSTRUCTED BY THE DEVELOPER AND INSPECTED BY THE COUNTY

DEVELOPER — 1/19/82 DATE

SEDIMENT & EROSION CONTROL PLAN & REVISED SITE DEVELOPMENT PLAN
HOWARD COUNTY PLAN SDP-79-99
PARCELS "A-1" AND "B-1"
RECORD PLAT OF
HELMAN PROPERTY

RECORDED 4-27-82 AS PLAT # 5186
9235 BALTIMORE NATIONAL PIKE (U.S 40)
2ND ELECTION DISTRICT HOWARD COUNTY, MD.
TAX MAP 24 PARCEL 1154 AREA = 1.7723 AC.S. EXISTING ZONING B-2

SCALE: 1"=20' — 'SDP 82-67' — NOV. 18, 1981

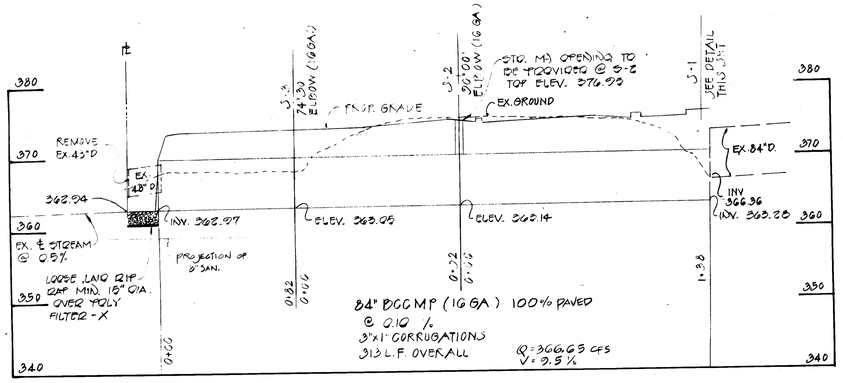
SEE SHEET 4 OF 4 FOR SEDIMENT CONTROL DETAILS

SHEET 3 OF 4
SDP-82-67

PEELER & COMPANY, INC
ENGINEERS
36 THOMAS AVE.
BALTIMORE, MARYLAND, 21225
301-636-4040

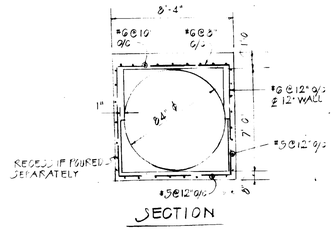
REGISTERED PROFESSIONAL ENGINEER

393

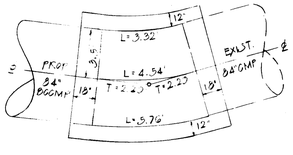


PROFILE

SCALE 1"=40' HORZ.
1"=10' VERT.



SECTION



PLAN

BRICK CURVE S-1

NO SCALE

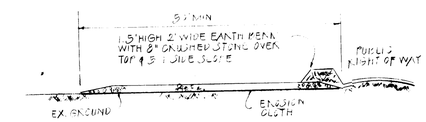
STRUCTURE SCHEDULE			
NO	TYPE	SIZE	INV OUT
S-1	BRICK CURVE	84"	362.36
S-2	3 PIECE 30° ELBOW	84"	363.07
S-3	3 PIECE 74.3° ELBOW	84"	305.21
S-4	3 PIECE GAL END SECTION	84"	301.83

INLET SCHEDULE			
NO.	TYPE	INV OUT	T.I ELEV
I-1	STD. SHAW R.M INLET 374.04	375.50	377.62

SECTION A-A

84" OUTFALL DETAIL

NO SCALE



PROFILE

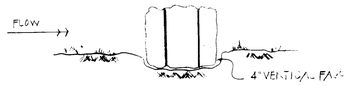
PLAN

(S.C.E.)

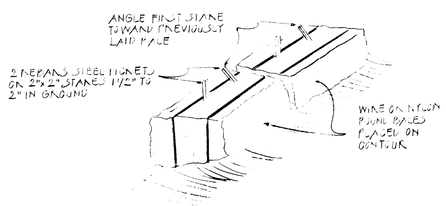
STABILIZED STONE CONSTR ENTRANCE

CONSTRUCTION SPECIFICATIONS
STABILIZED CONSTR. ENTR.

1. STONE SIZE - USE NO. 1 OR 2 (2½" TO 1") CLEAN CRUSHED STONE
2. LENGTH - AS EFFECTIVE, BUT NOT LESS THAN 50'.
3. THICKNESS - NOT LESS THAN EIGHT (8) INCHES
4. WIDTH - NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS
5. WASHING - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC R/W. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AREA STABILIZED WITH CRUSHER STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURSE THROUGH USE OF SAND BAGS, GRAVEL, BOARDS, OR OTHER APPROVED METHODS.
6. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC R/W. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC R/W MUST BE REMOVED IMMEDIATELY.
7. PLACE GROUND STABILIZATION FABRIC (EROSION CLOTH) UNDER THE 8" OF STONE FOR THE ENTIRE LENGTH & WIDTH OF THE CONSTRUCTION ENTRANCE.



EMBEDDING DETAIL



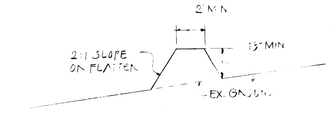
ANCHORING DETAIL

(S.B.D.)

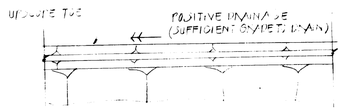
STRAW BALE DIKE

CONSTRUCTION SPECIFICATIONS
STRAW BALE DIKE

1. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MIN. 4"
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES OR REBARS DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
4. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS, BUT NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.



CROSS SECTION



PLAN VIEW

(P.D.)

PERIMETER DIKE

CONSTRUCTION SPECIFICATIONS
PERIMETER DIKE

1. ALL DIKES SHALL BE MACHINE COMPACTED
2. ALL PERIMETER DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET
3. A. DIVERTED RUNOFF FROM A PROTECTED OR STABILIZED UPLAND AREA SHALL OUTLET DIRECTLY ONTO AN UNDISTURBED STABILIZED AREA OR INTO A LEVEL SPREADER OR GRADE STABILIZATION STRUCTURE.
   B. DIVERTED RUNOFF FROM A DISTURBED OR EXPOSED UPLAND AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR A SEDIMENT BASIN OR TO AN AREA PROTECTED BY ANY OF THESE PRACTICES.
4. STABILIZATION, WHEN REQUIRED, SHALL BE DONE IN ACCORDANCE W/STANDARDS AND SPECIFICATIONS FOR GRASSED WATERWAY. THE MINIMUM AREA TO BE STABILIZED SHALL BE THE ORIGINAL FLOW AREA.
5. PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PROVIDED.

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

Joseph G Peeler — 1/18/82
JOSEPH G PEELER JR. P.E. N° 2561 — DATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT 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.

Morris Helman — 1/19/82
MORRIS HELMAN — DATE

REVIEWED FOR: HOWARD SOIL CONSERVATION DISTRICT

AND MEETS TECHNICAL REQUIREMENTS

NAME — SIGNATURE — 4-15-82 DATE
U.S. SOIL CONSERVATION DISTRICT

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

APPROVED: William V. Voune — 4-15-82
HOWARD SOIL CONSERVATION DISTRICT — DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR — 4-30-82 DATE

CHIEF, BUREAU OF ENGINEERING — 4/30/82. DATE

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEM

HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER — 5-7-82 DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

PLANNING DIRECTOR — 5-1-82 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — 5-1-82 DATE

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 2-8-82

STABILIZATION

SEEDBED PREPARATION

FLAT AREAS AND SLOPES UP TO 3:1 SHALL BE LOOSE AND FRIABLE TO A DEPTH OF AT LEAST 3" TOP LAYER OF SOIL SHALL BE LOOSENED BY RAKING, DISCING, OR OTHER ACCEPTABLE MEANS. SLOPES STEEPER THAN 3:1 SHALL HAVE 1" TO 3" OF SOIL LOOSE AND FRIABLE BEFORE SEEDED.

SOIL AMENDMENTS

APPLY TWO TONS DOLOMITIC LIMESTONE AND 600 LBS 0-20-20 OR EQUIVALENT PER ACRE BEFORE SEEDING HARROW OR DISC LIME AND 0-20-20 OR EQUIVALENT FERTILIZER FIRMLY INTO THE SOIL TO MINIMUM DEPTH OF 3 INCHES ON SLOPES FLATTER THAN 3:1 ON SLOPES OF GREATER THAN 3:1 GRADE, THE LIME AND FERTILIZER SHALL BE WORKED IN AS DIRECTED BY THE CONTRACTING OFFICER. ON SLOPING LAND, THE FINAL MANOWING OR DISC OR ELEVATION SHOULD BE DONE ON THE CONTOUR WHEREVER FEASIBLE. NO ATTEMPT SHALL BE MADE TO DRAG ANY DISCED AREA TO MAKE THE SOIL SURFACE VERY SMOOTH. AFTER DISCING AT THE TIME OF SEEDING, APPLY 400 LBS 33 0-0 0 KREAFORM FERTILIZER AND 500 LBS 10-20-20 OR EQUIVALENT FERTILIZER PER ACRE.

SEEDING

APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER OR HYDROSEEDER (SLURRY INCLUDES SEED AND FERTILIZER) ON A FIRM, MOIST SEEDBED. MAXIMUM SEEDING DEPTH SHOULD BE 1/4 INCH ON CLAYEY SOIL AND 1/2" ON SANDY SOIL WHEN USING OTHER THAN HYDROSEEDER METHOD OF APPLICATION. TEMPORARY SEEDING: PERENNIAL RYE, ITALIAN RYE, 0.92 LBS/1000 SQ FT (FEB. 1 THROUGH APRIL 30 OR AUG. 15 THROUGH NOV. 1) MILLET 0.92 LBS/1000 SQ FT (MAY 1 THRU AUG. 15) PERMANENT SEEDING: 2 LBS/1000 SQ FT KENTUCKY 31 TALL FESCUE (FEB. 1 TO APRIL 30 OR AUG 15 TO OCT 31)

STRAW SHALL BE SMALL UNROTTED GRAIN STRAW APPLIED AT THE RATE OF 1½ TO 2 TONS PER ACRE OR 70 TO 90 LBS PER 1000 SQ. FT. MULCH MATERIALS SHALL BE RELATIVELY FREE OF ALL KINDS OF WEEDS AND SHALL BE FREE OF PROHIBITED NOXIOUS WEEDS WHICH ARE: CANADA THISTLE, JOHNSONGRASS, AND QUACK GRASS. SPREAD UNIFORMLY BY HAND OR MECHANICALLY. FOR UNIFORM DISTRIBUTION OF HAND SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1000 SQ. FT. SECTIONS AND PLACE 70 TO 90 LBS MULCH IN EACH SECTION.

MULCH ANCHORING

MULCH ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER MULCH PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. USING MULCH BINDERS: SHALL BE HEAVIER AT EDGES, WHERE WIND CATCHES MULCH, IN VALLEYS, AND AT CREST OF BANKS. REMAINDER OF AREA SHOULD BE UNIFORM IN APPEARANCE. CAUTION SHOULD BE USED WITH ASPHALT IN RESIDENTIAL AND SIMILAR AREAS.

CUTBACK ASPHALT: RAPID CURING (RC-70, RC-250 AND RC-800) OR MEDIUM CURING (MC-250 AND MC-800)

EMULSIFIED ASPHALT: (SS-1, SS-1, CMS-2, MS-2, HFMS-1, HFMS-2, CMS-1, AND CMS-2)

APPLY 5 GALLONS PER THOUSAND SQUARE FEET OR 220 GALLONS PER ACRE ON FLAT SURFACES AND SLOPES LESS THAN 8 FEET HIGH. ON SLOPES MORE THAN 8 FEET HIGH, USE 9 GALLONS PER THOUSAND SQUARE FEET OR 393 GALLONS PER ACRE. ALL ASPHALT DESIGNATIONS ARE FROM THE ASPHALT INSTITUTE DESIGNATIONS.

SEDIMENT AND EROSION CONTROL PROFILES AND DETAILS
HOWARD COUNTY PLAN SDP-79-99
PARCELS "A-1" AND "B-1"
RECORD PLAT OF
HELMAN PROPERTY

RECORDED AS PLAT
9235 BALTIMORE NATIONAL PIKE (U.S. 40)
2ND ELECTION DISTRICT HOWARD COUNTY, MD.
TAX MAP 24 PARCEL 1154 AREA = 1.7723 ACS. EXISTING ZONING B-2

SCALE: AS SHOWN — "SDP-82-67" — NOV. 18, 1981

SHEET 4 OF 4

SDP-82-67

PEELER & COMPANY, INC.
ENGINEERS
36 THOMAS AVE
BALTIMORE, MARYLAND, 21225
301-636-4040

REVISION - 7/6/82 - CHANGED ELEVATIONS ON STORM DRAIN PROFILE & RIP RAP NOTE ON OUTFALL DETAIL

THIS PLAN IS A REVISION TO SDP 79-99.