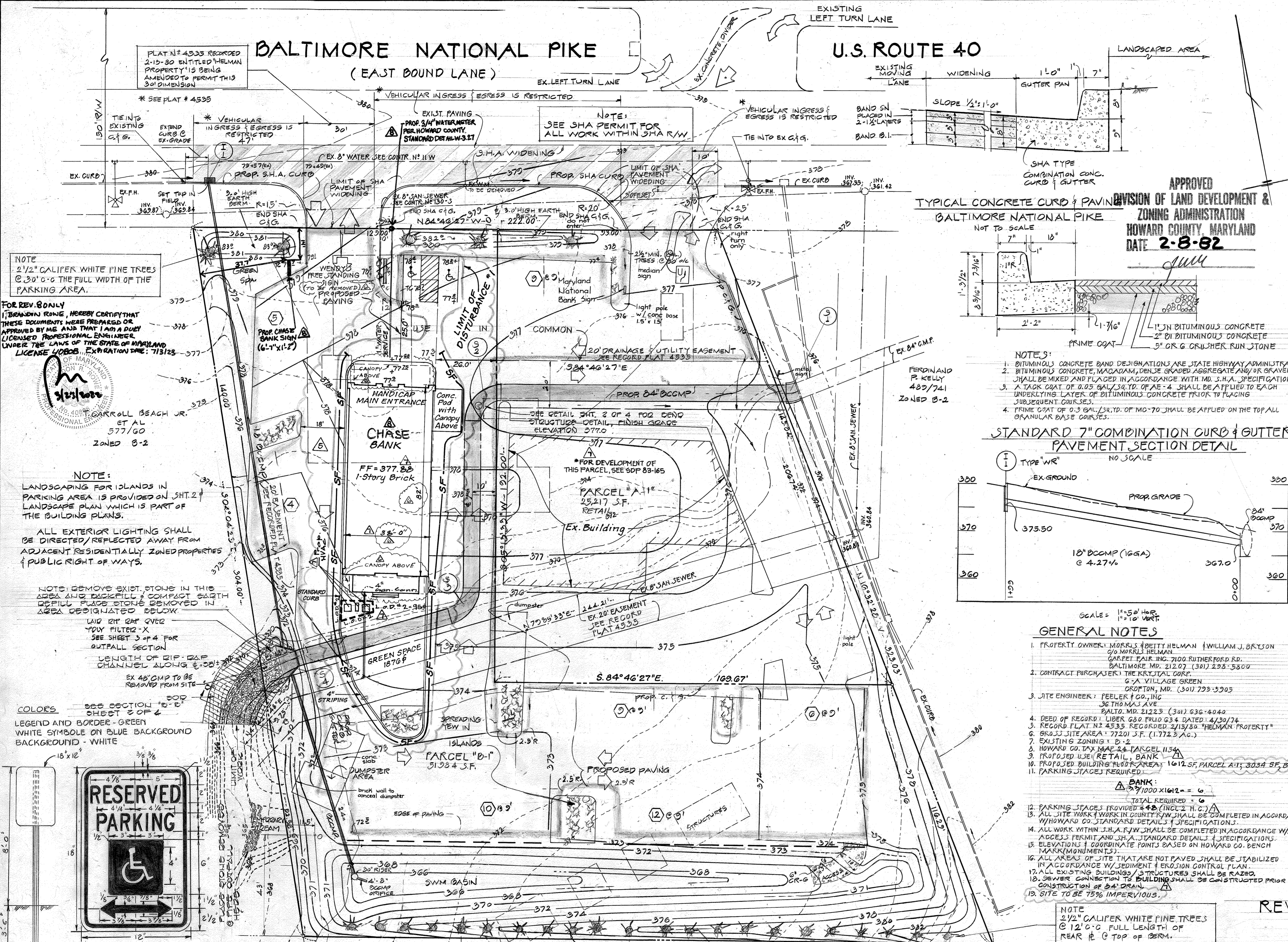


BALTIMORE NATIONAL PIKE (EAST BOUND LANE)

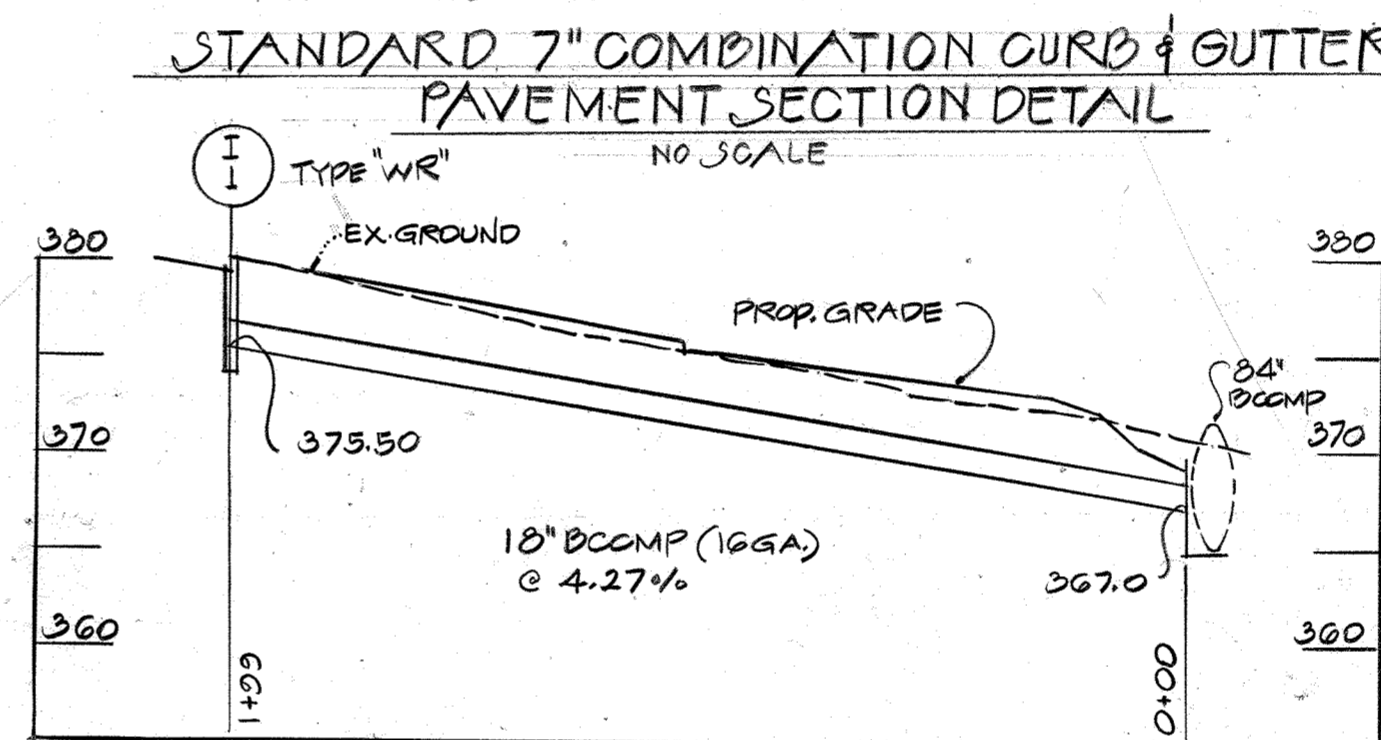
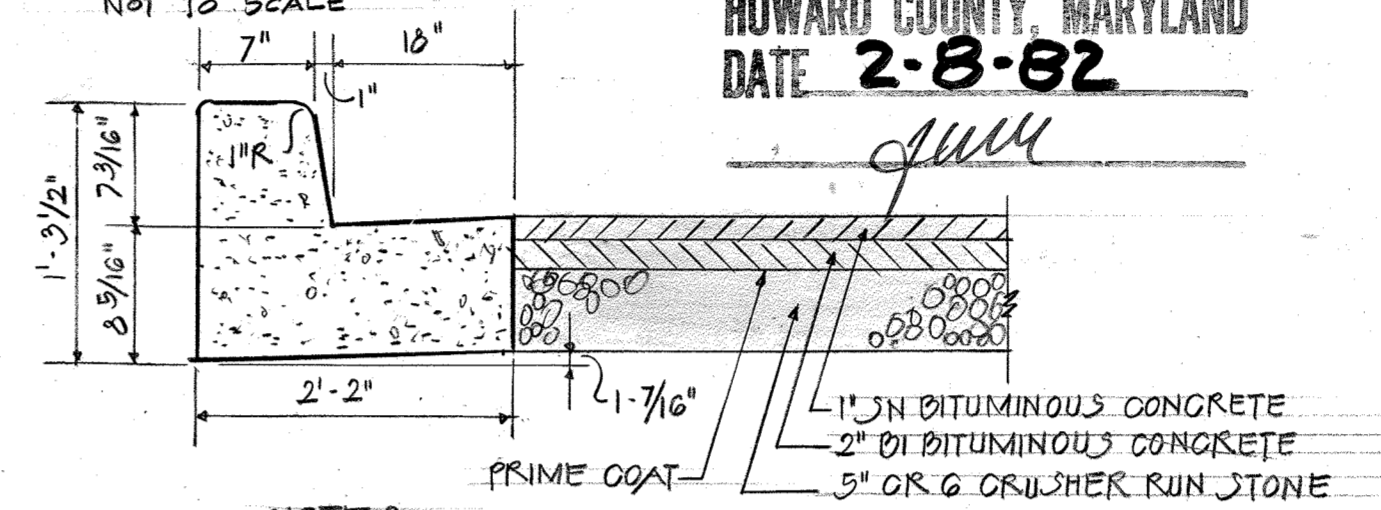
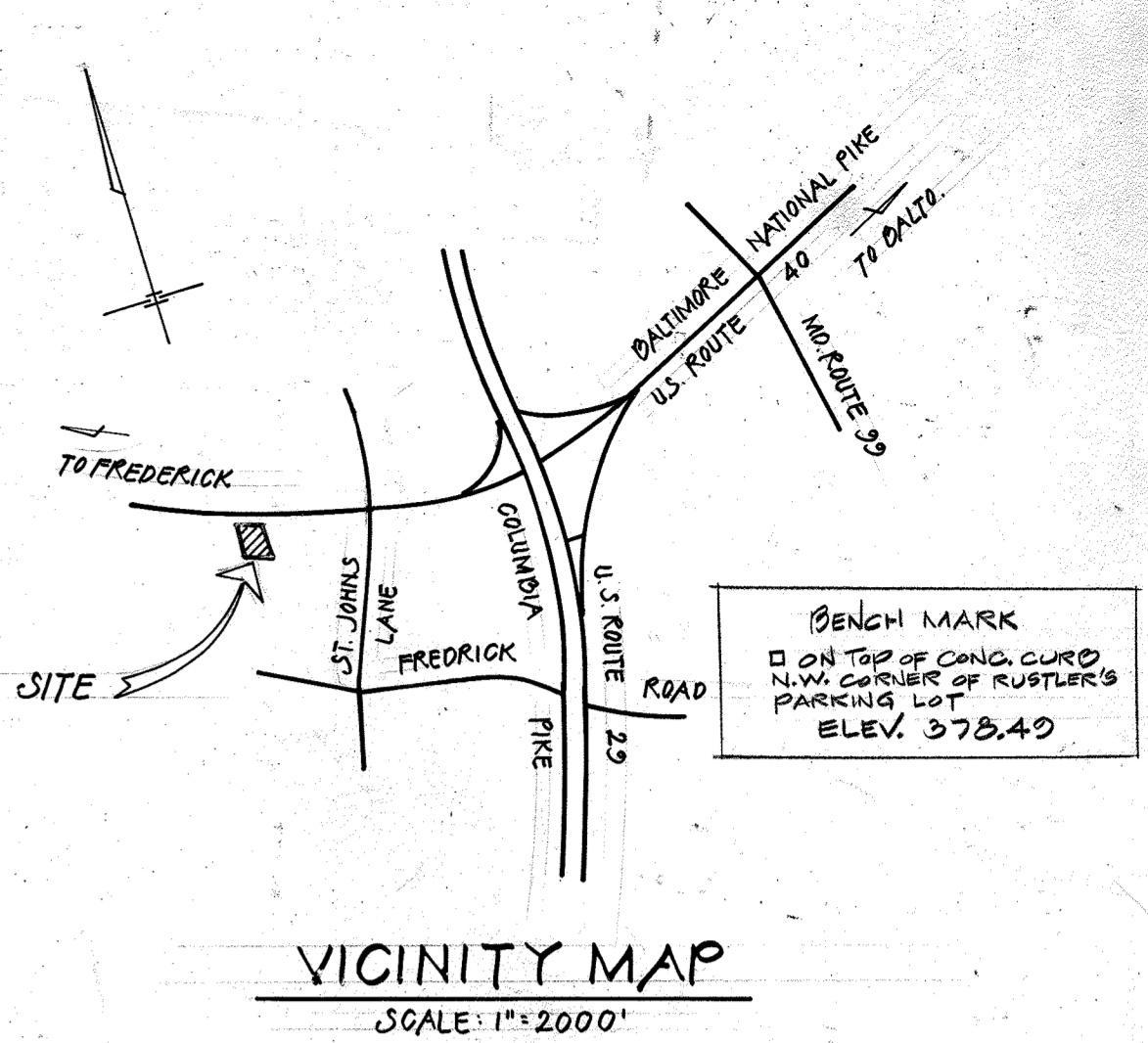
U.S. ROUTE 40

PLAT N° 4535 RECORDED
2-15-80 ENTITLED "HELMAN
PROPERTY" IS BEING
AMENDED TO PERMIT THIS
30' DIMENSION

* SEE PLAT # 4535



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

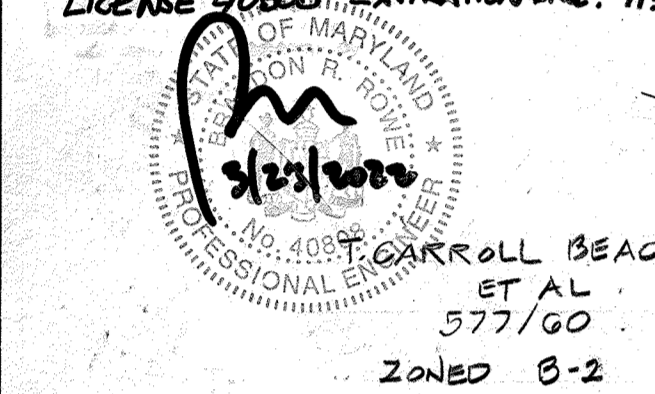


GENERAL NOTES

- PROPERTY OWNER: MORRIS & BETTIE HELMAN (WILLIAM J. BRYSON)
270 MORRIS HELMAN
GARRET FAIR INC. 7100 RUTHERFORD RD.
BALTIMORE, MD. 21207 (301) 298-5300
- CONTRACT PURCHASER: THE KRYTAL CORP.
G-A VILLAGE GREEN
GROTON, MD. (301) 793-3903
- SITE ENGINEER: PEELER & COMPANY
36 THOMAS AVE
BALTO. MD. 21225 (301) 636-4040
- DEED OF RECORD LIBER 680 FOLIO 634 DATED 4/30/74
- RECORD PLAT N° 4535 RECORDED 2/15/80 "HELMAN PROPERTY"
- GRASS SITE AREA: 77201 SF (1.7723 AC.)
- EXISTING ZONING: B-2
- HOWARD CO. TAX MAP 24 PARCEL 1154
- PROPOSED USE: RETAIL, BANK
- PROPOSED BUILDING FLOOR AREA: 16112 SF, PARCEL A-1: 3034 SF, BANK PROPOSED, PARCEL B-1: TOTAL = 8310 SF
- PARKING SPACES REQUIRED:
 - BANK: 27'000 X 16'12" = 6
 - TOTAL REQUIRED = 6
- PARKING SPACES PROVIDED = 42 (INCL 2 H.C.)
- ALL SITE WORK & WORK IN COUNTY R/W SHALL BE COMPLETED IN ACCORDANCE WITH HOWARD CO. STANDARD DETAILS & SPECIFICATIONS.
- 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.
- ELEVATIONS & COORDINATE POINTS BASED ON HOWARD CO. BENCH MARK(MONUMENTS).
- ALL AREAS OF SITE THAT ARE NOT PAVED SHALL BE STABILIZED IN ACCORDANCE W/ EROSION & SEDIMENT CONTROL PLAN.
- ALL EXISTING BUILDINGS & STRUCTURES SHALL BE RAZED.
- SEWER CONNECTION TO BUILDING SHALL BE CONSTRUCTED PRIOR TO CONSTRUCTION OF 34" DRAIN.
- SITE TO BE 75% IMPERVIOUS.

NOTE
2 1/2" CALIFER WHITE PINE TREES
@ 30' O.C. THE FULL WIDTH OF THE
PARKING AREA.

FOR REV. ONLY
I, SIGNATURE, HEREBY CERTIFY THAT
THESE DOCUMENTS WERE PREPARED OR
APPROVED BY ME AND THAT I AM A DULY
LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF MARYLAND
LICENSE NO. 14493, EXPIRATION DATE: 7/15/83



NOTE:
LANDSCAPING FOR ISLANDS IN
PARKING AREA IS PROVIDED ON SHT. 2
LANDSCAPE PLAN WHICH IS PART OF
THE BUILDING PLANS.

ALL EXTERIOR LIGHTING SHALL
BE DIRECTED/REFLECTED AWAY FROM
ADJACENT RESIDENTIALLY ZONED PROPERTIES
& PUBLIC RIGHT OF WAYS.

NOTE: REMOVE EXIST. STONE IN THIS
AREA AND BACKFILL & COMPACT SAND
REFILL PLACE STONE REMOVED IN
AREA DESIGNATED BELOW

LAY RIP RAP OVER
FOY FILTER-X
SEE SHEET 3 OF 4 FOR
OUTFALL SECTION

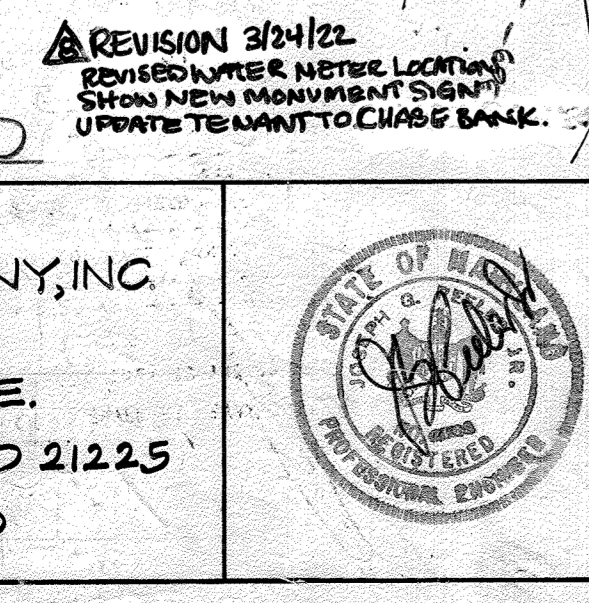
LENGTH OF RIP-RAP
CHANNEL ALONG E-304-001-

EX 48" CMP TO BE
REMOVED FROM SITE

LEGEND AND BORDER GREEN
WHITE SYMBOLS ON BLUE BACKGROUND
BACKGROUND - WHITE



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



- REVISION 3/24/82
REVISED WATER METER LOCATION
SHOWS NEW MONUMENT SIGN
UPDATE TO CHASE BANK.
- REVISION 5/28/82
REVISED BUILDING DIMENSIONS, ADDED CANOPIES, NOTED SIGN TO BE REMOVED.
- REVISION 7/6/82
ADDED NOTE FOR BEND STRUCTURE,
AND RIP RAP @ S-1.
- REVISION 9/1/82
CHANGED 2" WATER TO 1" AND DELEGATED
- REVISION 11/19/82
REVISED PARKING TO AS-BUILT ADDED FEEZER TO WENDY'S

WILLIAM J. BRYSON
466/461
EXISTING ZONING
R-20

NOTE:
THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION
SURVEY DIVISION 24 HRS IN ADVANCE OF COMMENCEMENT OF WORK
C 922-2417 OR 922-2418

Professional Certification for
(By Civil for Revision #1 only)
I hereby certify that these plans were
prepared or approved by me, and that
I am a duly licensed Professional Engineer
under the laws of the State of Maryland.

License No. 14493
Expiration Date: May 21, 2020

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. N° 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
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

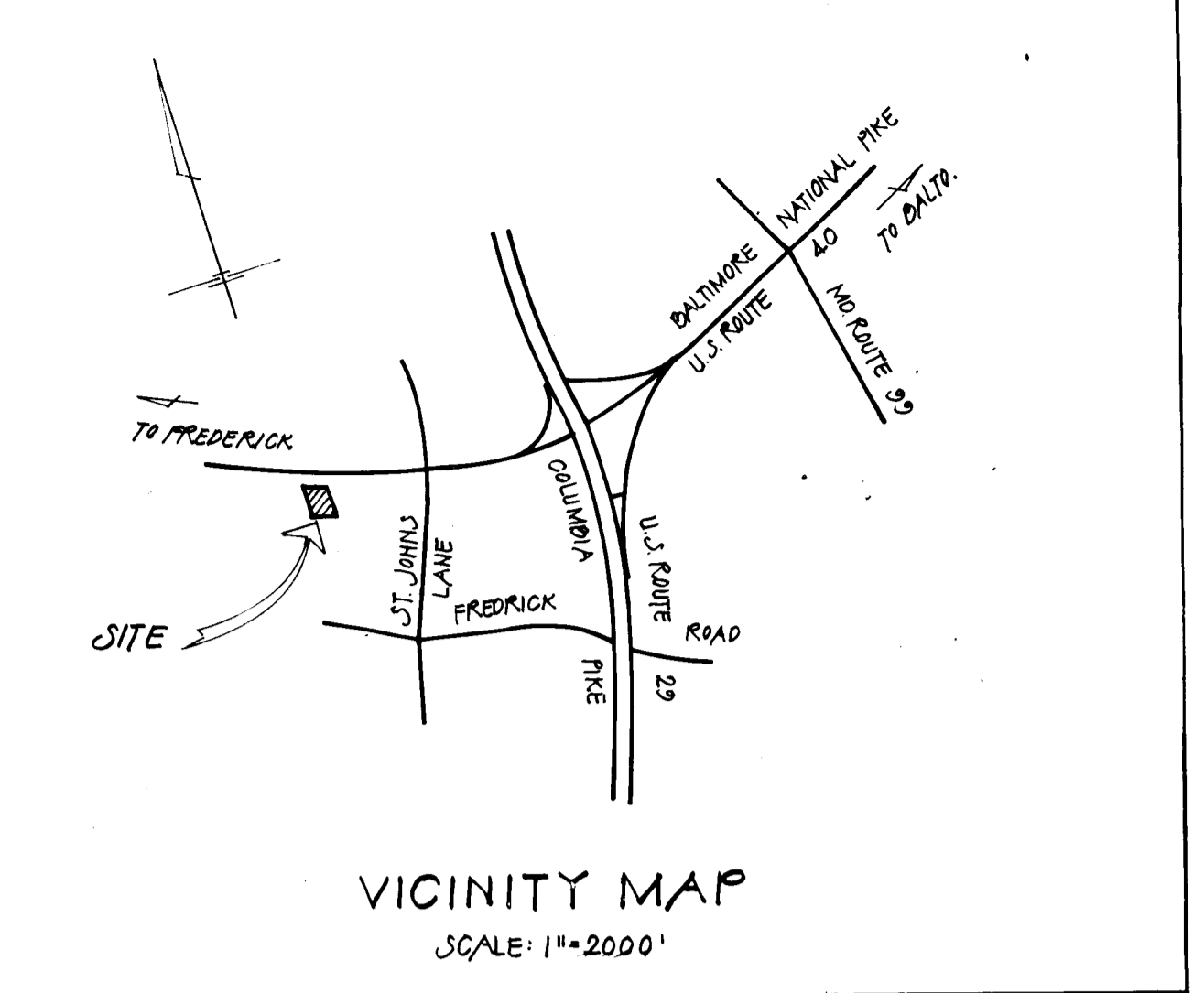
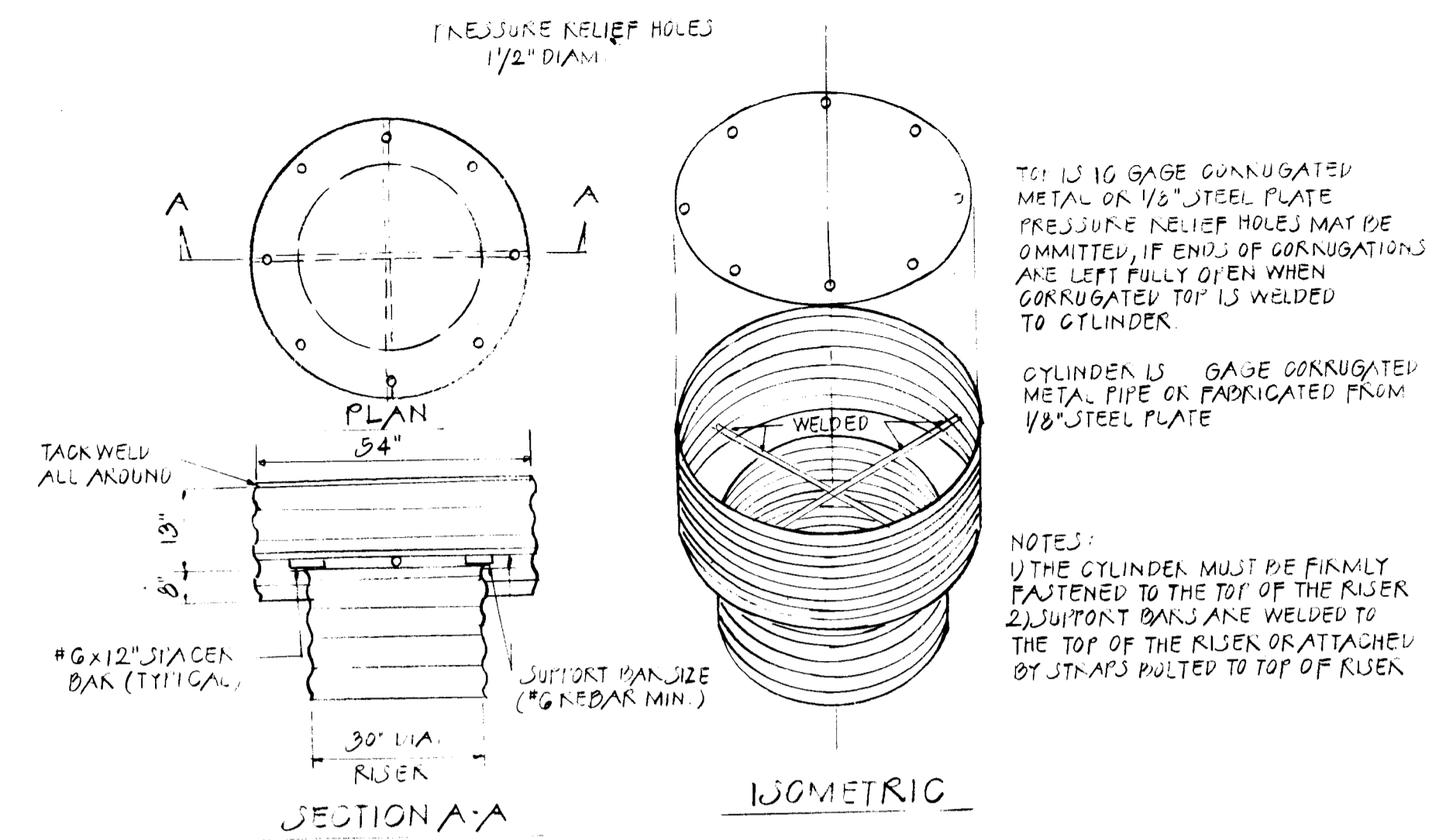
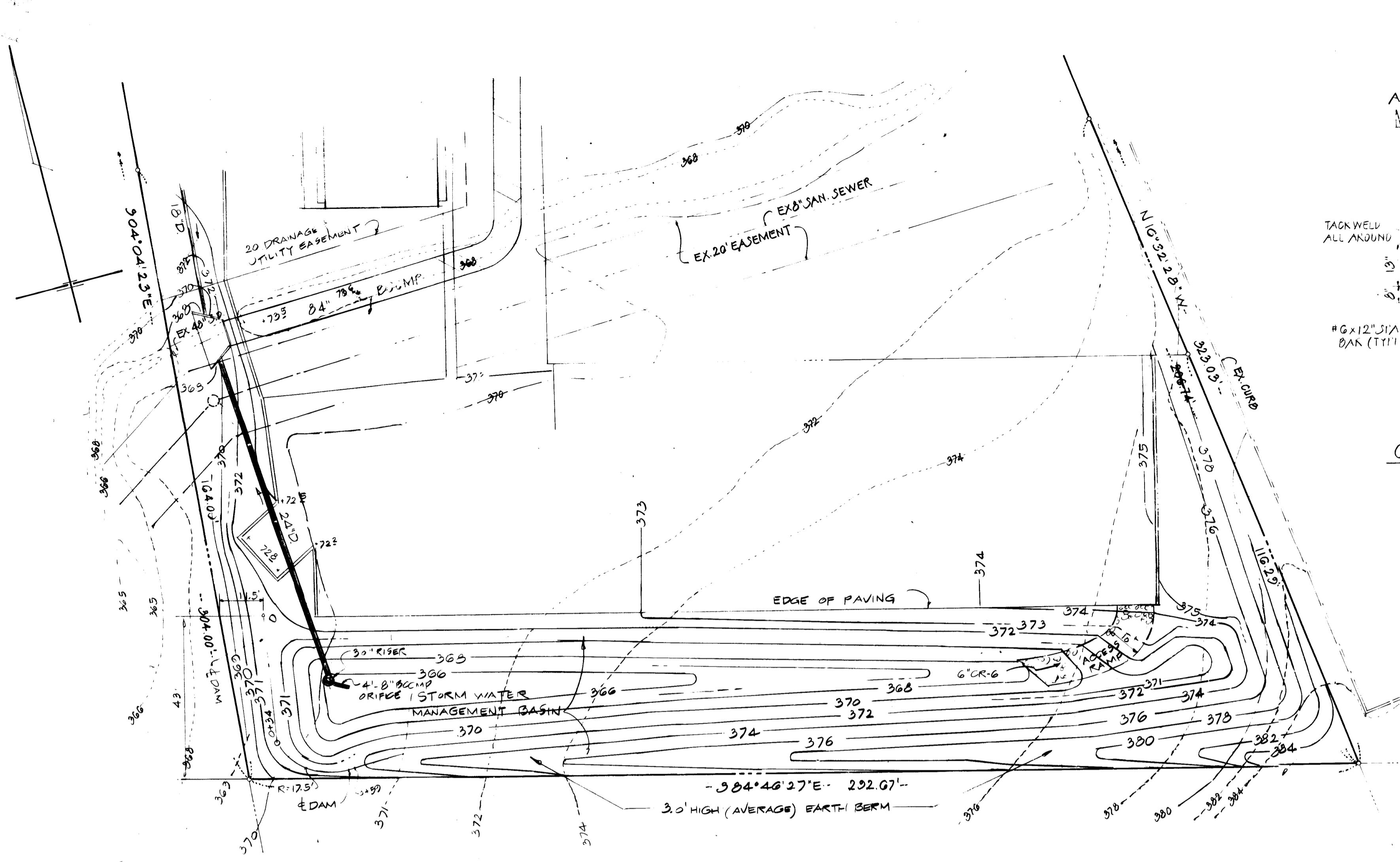
APPROVED FOR PUBLIC WATER & PUBLIC
SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER
Joseph G. Peeler Jr. 5-7-82
DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR ACTING
Joseph G. Peeler Jr. 5-11-82
DATE

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, AND STORM DRAINAGE
SYSTEMS AND ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR
Joseph G. Peeler Jr. 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 34" DRAINAGE PIPE IS
CONSTRUCTED BY THE DEVELOPER AND INSPECTED BY THE COUNTY
DEVELOPER
Morris Helman 1/19/82
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-82-07"
SHEET 1 OF 4



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 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 EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT.
Morris Helman 1/19/82 DATE
MORRIS HELMAN

REVIEWED FOR: HOWARD SOIL CONSERVATION DISTRICT
NAME: Morris Helman 4-15-82 DATE
SIGNATURE: [Signature] U.S. SOIL CONSERVATION DISTRICT

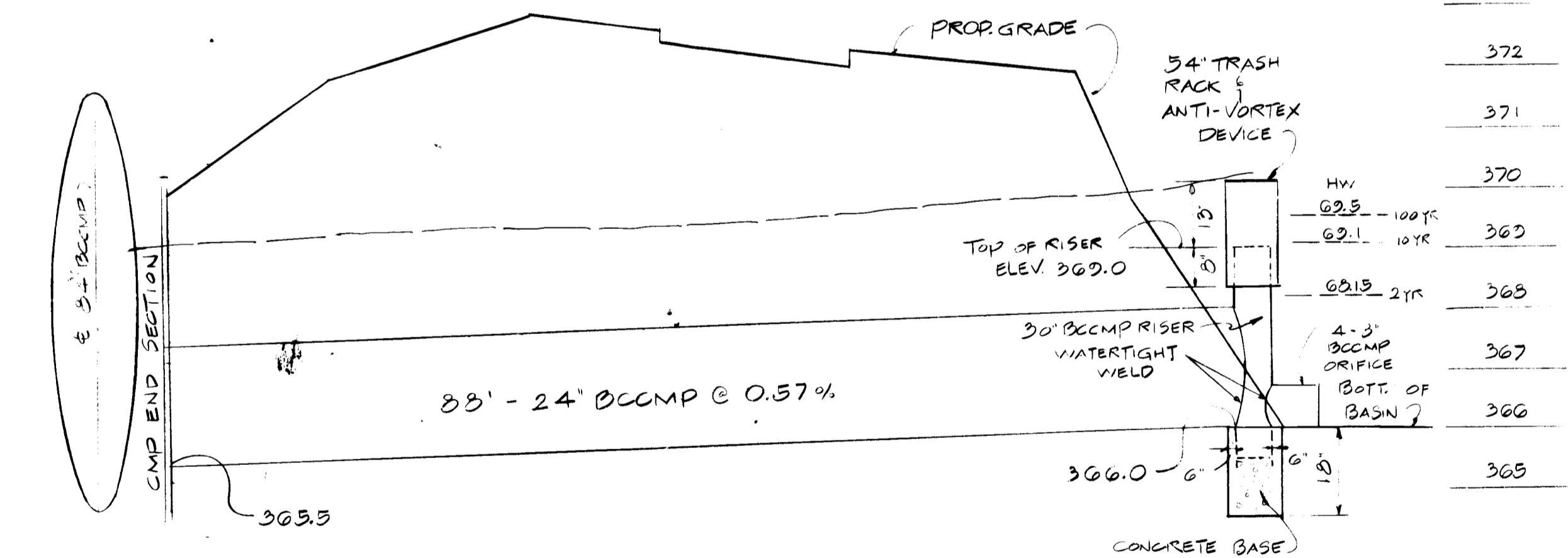
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT.
APPROVED: William V. Rowe 4/15/82 DATE
HOWARD SOIL CONSERVATION DISTRICT

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: [Signature] 4-30-82 DATE
4-13-82 DATE
CHIEF, BUREAU OF ENGINEERING

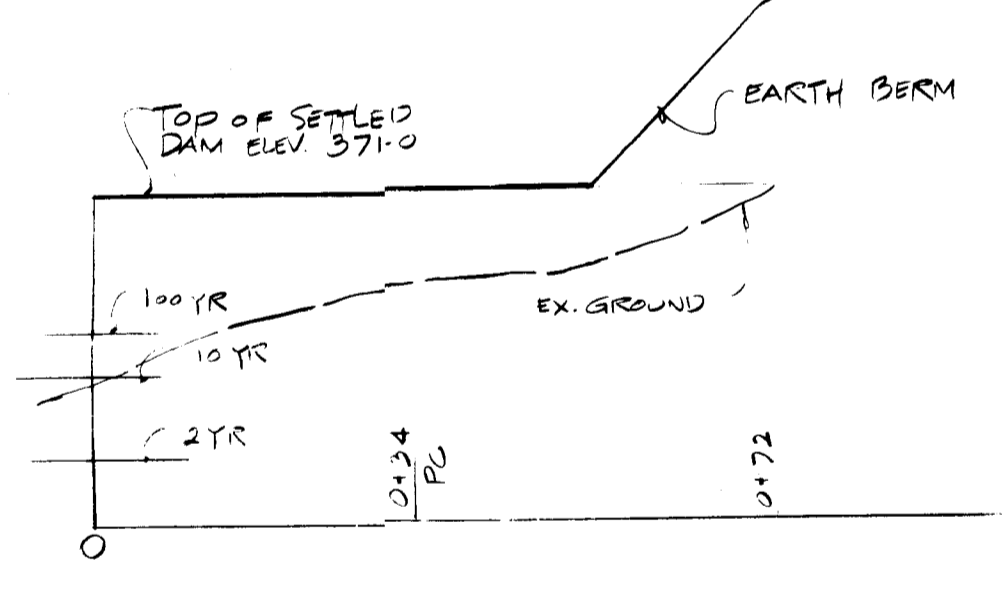
APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER: [Signature] 5-7-82 DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR: [Signature] 5-11-82 DATE
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: [Signature] 5-11-82 DATE

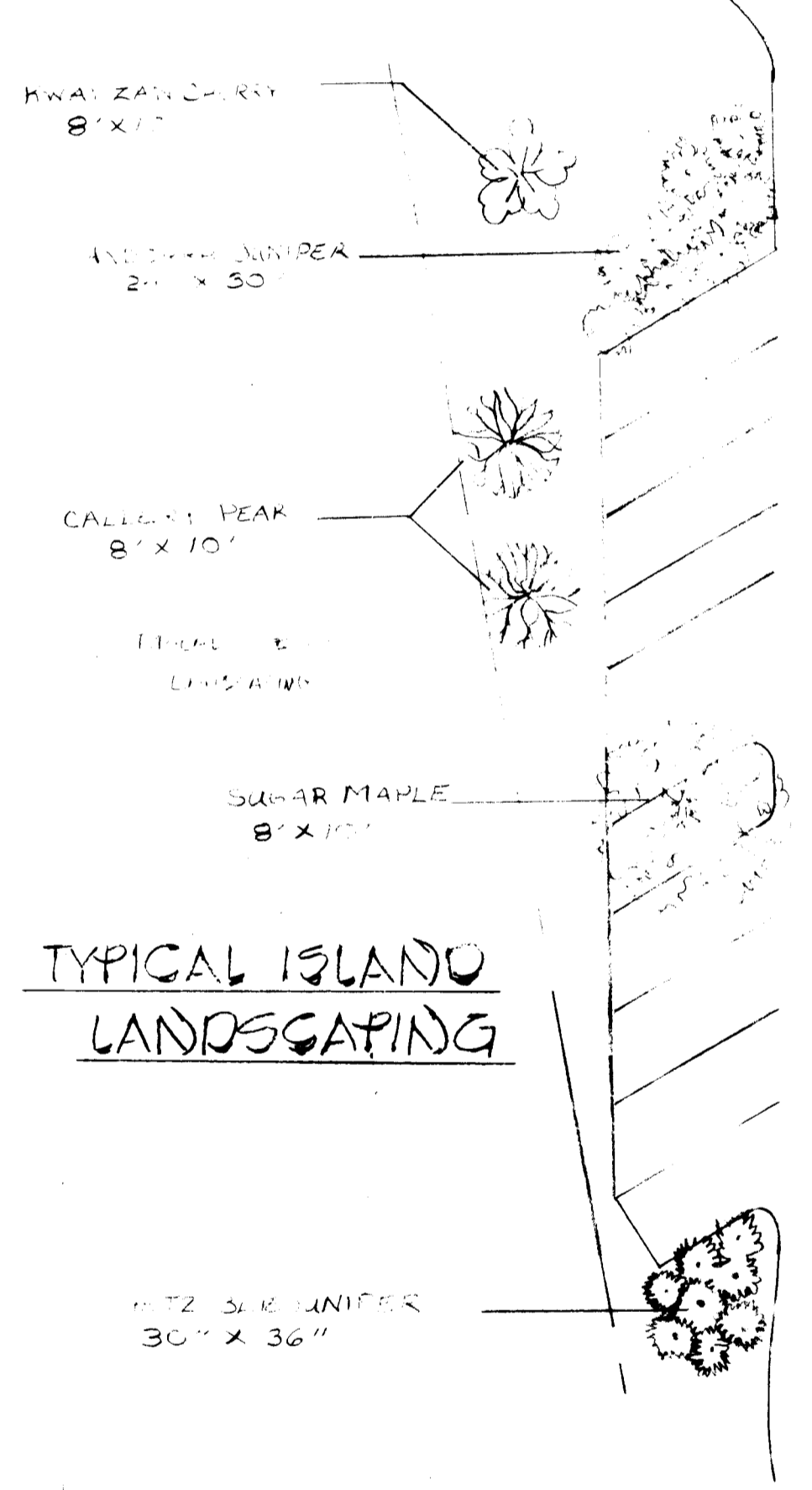
PLAN
SCALE: 1" = 20'



PROFILE ALONG E OF DAM
SCALE: 1" = 20' HOR. VERT. 1" = 2' VERT.



TYPICAL ISLAND LANDSCAPING

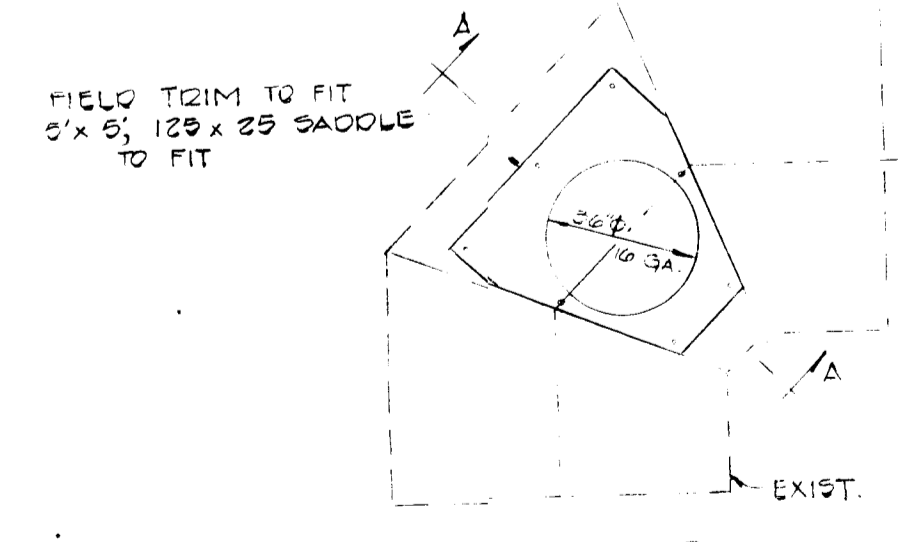


GENERAL NOTES

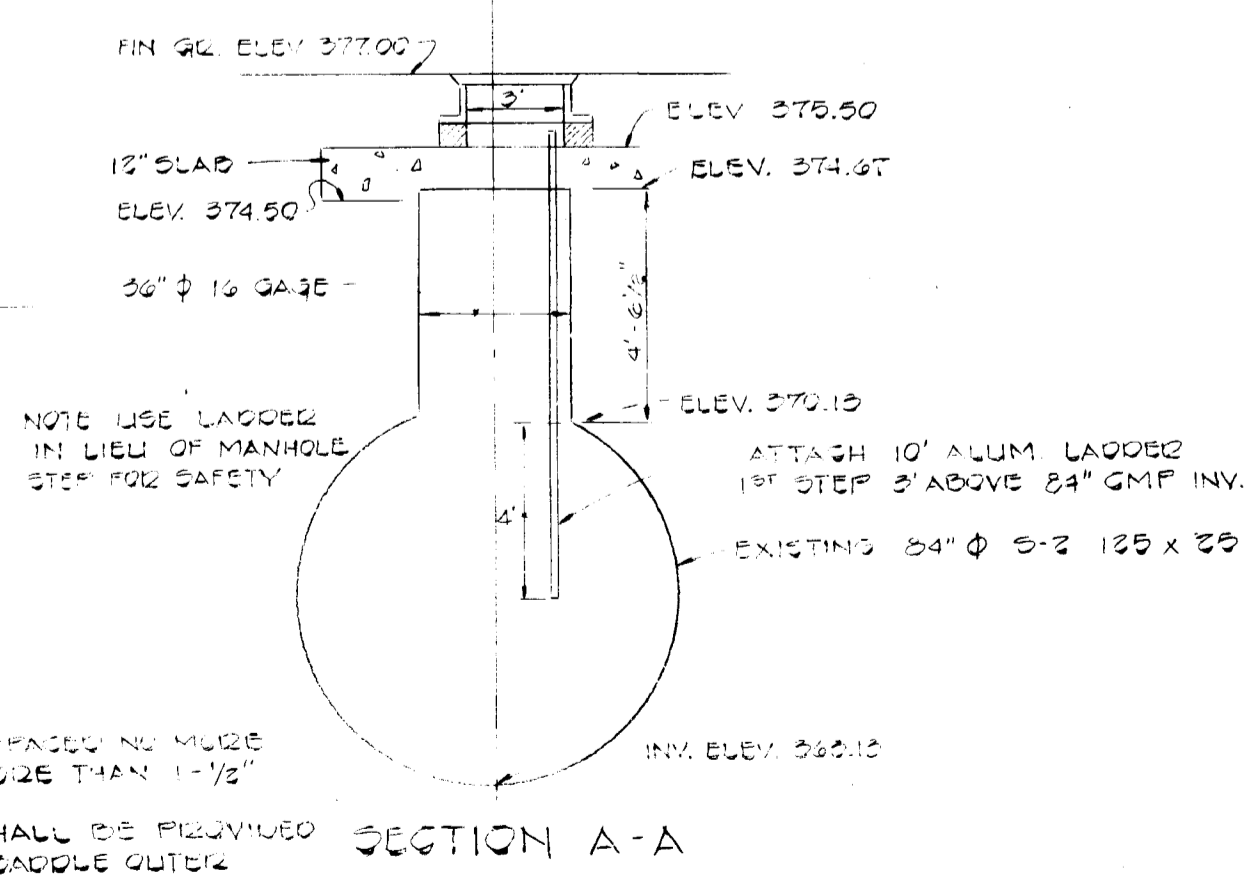
- STRUCTURE: CLASS C
- STORAGE HEIGHT PRODUCT: 2.0 X 0.14 = 0.41
- WATERSHED AREA = 1.64 AC.
- NORMAL SURFACE AREA = DRY POND
- AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED TO REMOVE ALL TREES, VEGETATION, ROOTS, OR OTHER OBJECTIONABLE MATERIAL & TOPSOIL STRIPPED & STOCKPILED.
- EMBANKMENT AREA SHALL BE CONSTRUCTED IN 2' MAX. LIFTS AND COMPACTED TO 95% DENSITY BY ASTM D293 (STR. 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	11.0 CFS

FIELD TRIM TO FIT 6" X 6" 125 X 25 SADDLE TO FIT

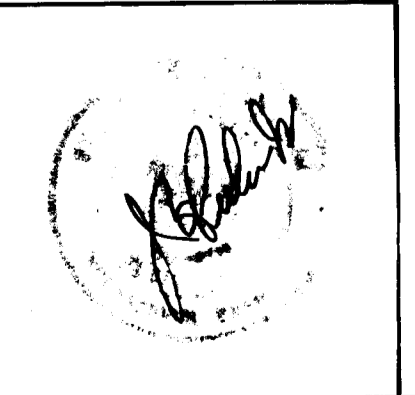


NOTES: 1) THE BOLT SHALL BE 3/8" DIA. SPACED NO MORE THAN 12" O/C WITH THE BOLT HOLES NO MORE THAN 1 1/2" FROM THE OUTER EDGES OF THE SADDLE.
2) AT LEAST (2) SIX INCHES LIP SHALL BE PROVIDED BETWEEN RISER HOLE AND THE SADDLE OUTER EDGES.



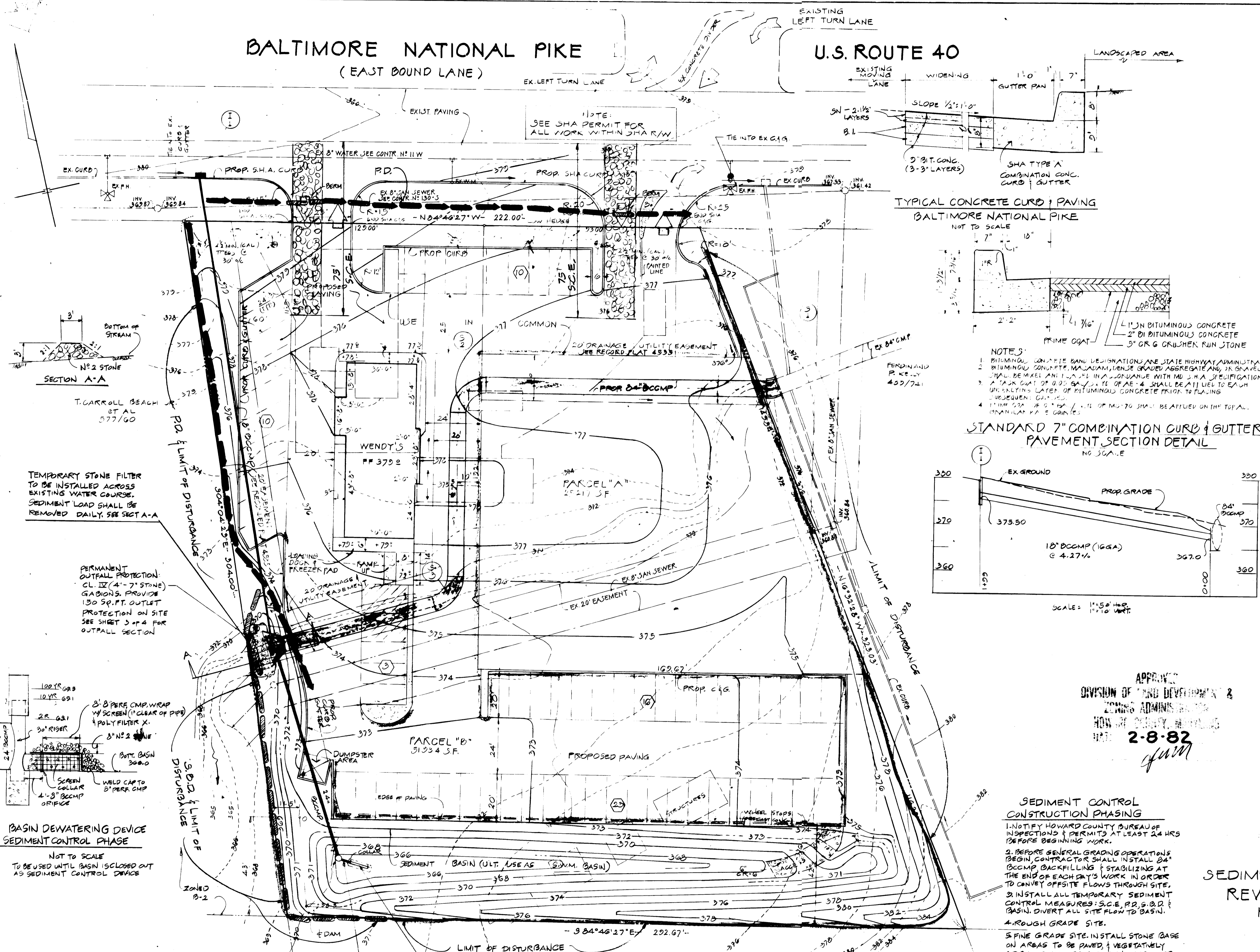
STORM WATER MANAGEMENT PLAN
HOWARD COUNTY PLAN SDP-79-99
PARCELS 'A-1' AND 'B-1'
RECORD PLAT OF
HELMAN PROPERTY
RECORDED 4-21-82 AS PLAT # 5186
3235 BALTIMORE NATIONAL PIKE (U.S. 40)
2ND ELECTION DISTRICT HOWARD COUNTY, MD.
TAX MAP 24 PARCEL 1154 AREA: 1.7723 ACS. EXISTING ZONING B-2
SCALE: AS SHOWN
NOV. 18, 1981
"SDP-82-67"

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

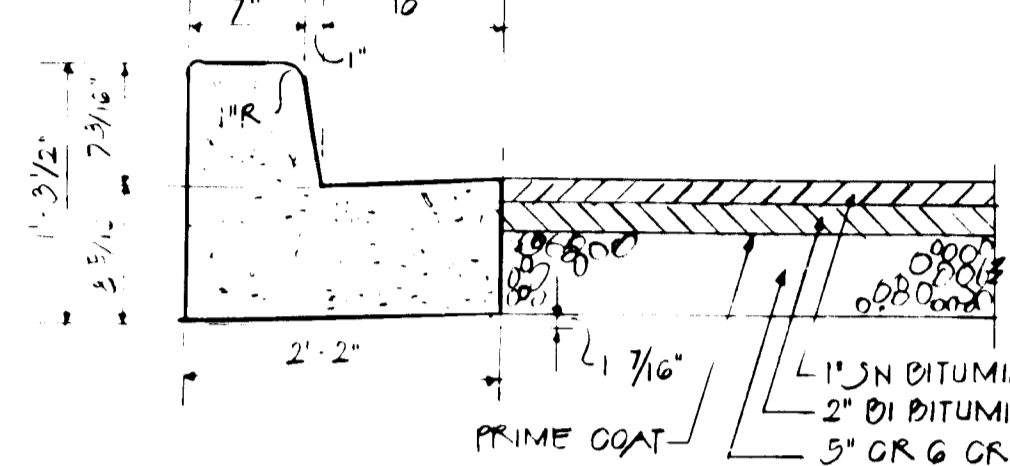


BALTIMORE NATIONAL PIKE
(EAST BOUND LANE)

U.S. ROUTE 40

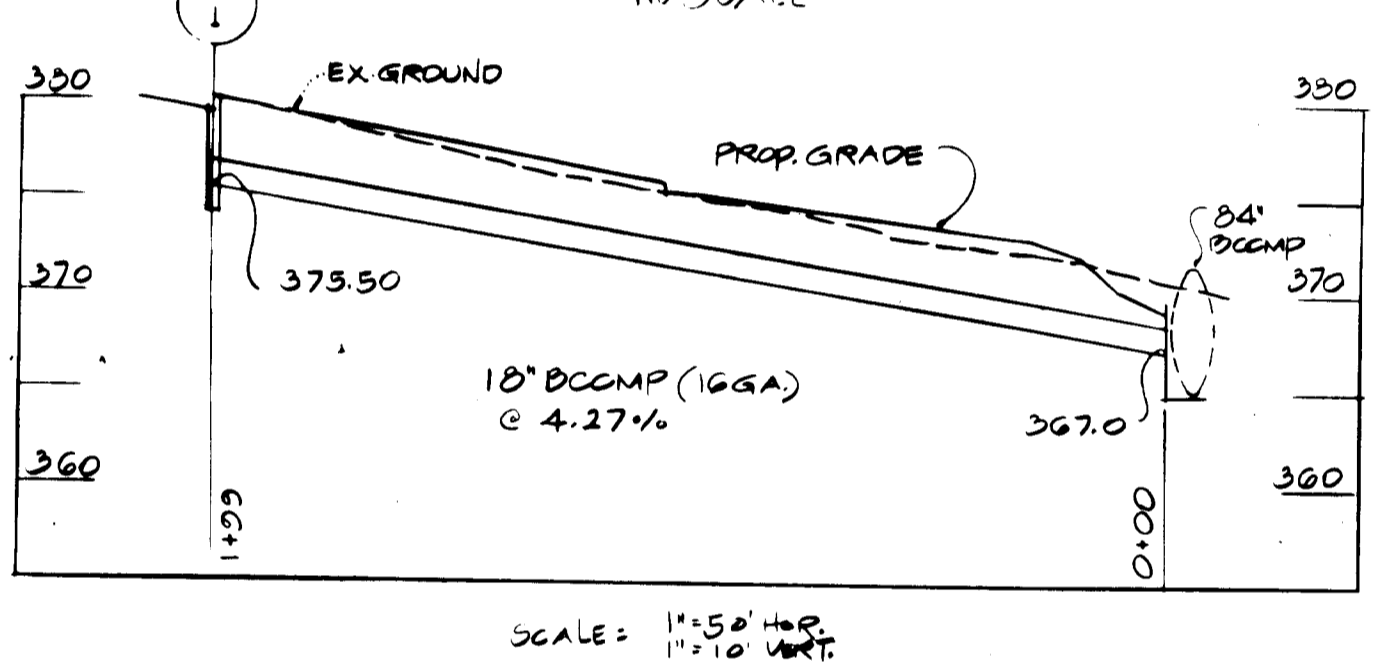


TYPICAL CONCRETE CURB & PAVING
BALTIMORE NATIONAL PIKE
NOT TO SCALE



- NOTES:**
1. BITUMINOUS CONCRETE BAND DESIGNATIONS ARE STATE HIGHWAY ADMINISTRATION
 2. BITUMINOUS CONCRETE, MAXIMUM VENEER GRADE AGGREGATE AND 1/2" GRAVEL
 3. SHALL BE MIXED AND PLACED IN ACCORDANCE WITH MD S.H.A. SPECIFICATIONS
 4. A TACK COAT OF 0.05 GAL/SY. OF AE-4 SHALL BE APPLIED TO EACH UNDERLYING LAYER OF BITUMINOUS CONCRETE PRIOR TO PLACING
 5. UNLESS OTHERWISE SPECIFIED
 6. 1" MIN. DIA. # 4 REBAR SHALL BE TIED ON THE TOP OF
 7. STANDARD P.A. 3' CURB

STANDARD 7" COMBINATION CURB & GUTTER & PAVEMENT SECTION DETAIL
NOT TO SCALE



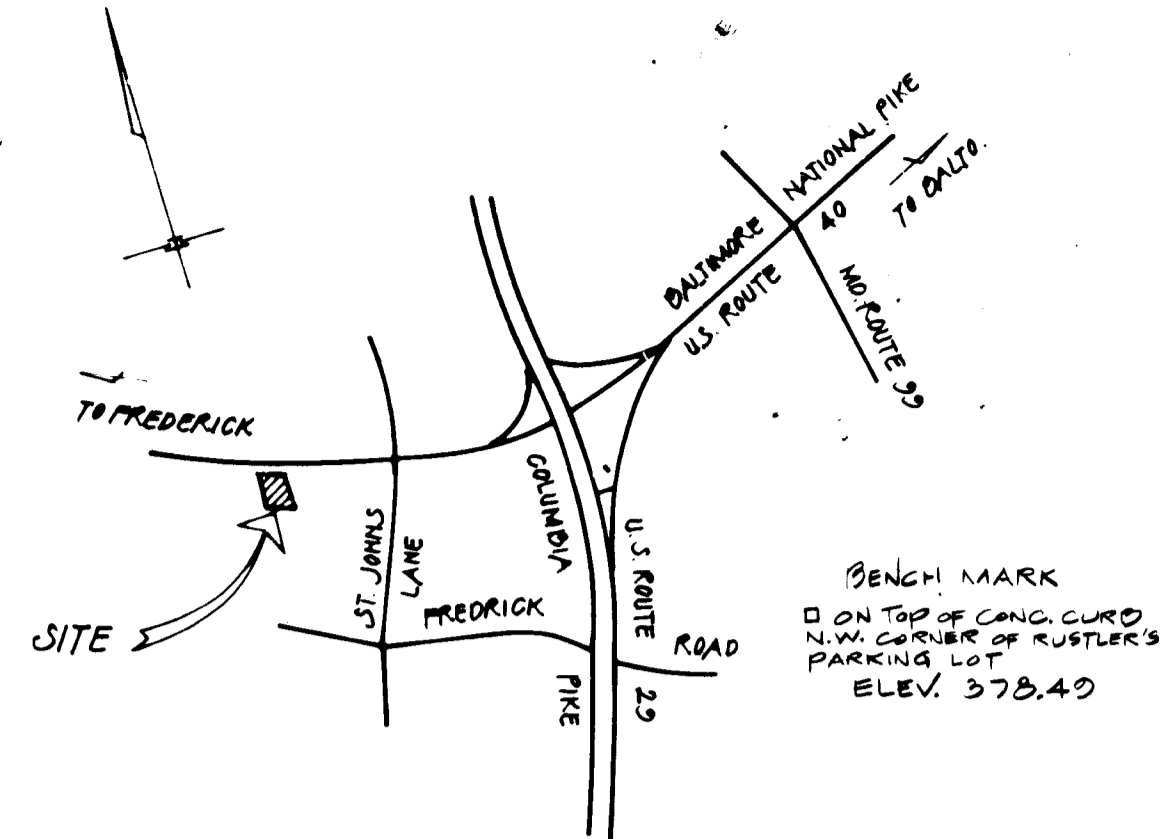
APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE: 2-8-82

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" BCCMP 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.O.D. & BASIN. DIVERT ALL SITE FLOW TO BASIN.
4. THROUGH 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 = 69,690 SQ. FT.
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



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. N° 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
AND MEET TECHNICAL REQUIREMENTS
Joseph G. Peeler Jr. 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.
William J. Bryson 4-16-82
APPROVED: HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
John G. ... 5-7-82
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
William J. Bryson 5-11-82
PLANNING DIRECTOR, SETTING DATE

CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
William J. Bryson 5-11-82
DATE

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
William J. Bryson 4-30-82
DIRECTOR DATE

CHIEF, BUREAU OF ENGINEERING
William J. Bryson 4-15-82
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" BCCMP STORM DRAINAGE PIPE IS CONSTRUCTED BY THE DEVELOPER AND INSPECTED BY THE COUNTY.
Morris Helman 1/19/82
DEVELOPER DATE

SEDIMENT & EROSION CONTROL PLAN & REVISED SITE DEVELOPMENT PLAN
HOWARD COUNTY PLAN SDP-79-99
PARCELS "A" 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'
'SDP 82-67' NOV. 18, 1981

SEE SHEET 4 OF 4 FOR SEDIMENT CONTROL DETAILS

SHEET 3 OF 4

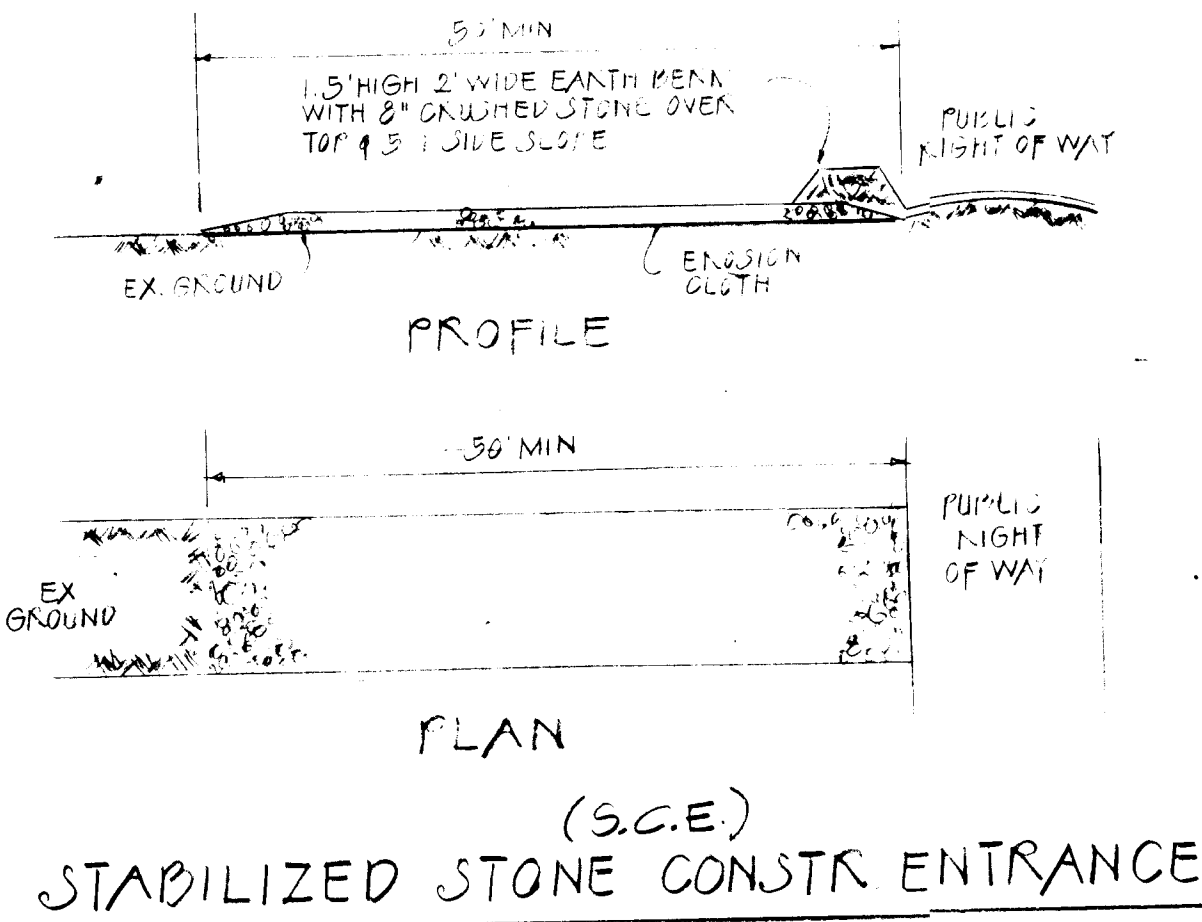
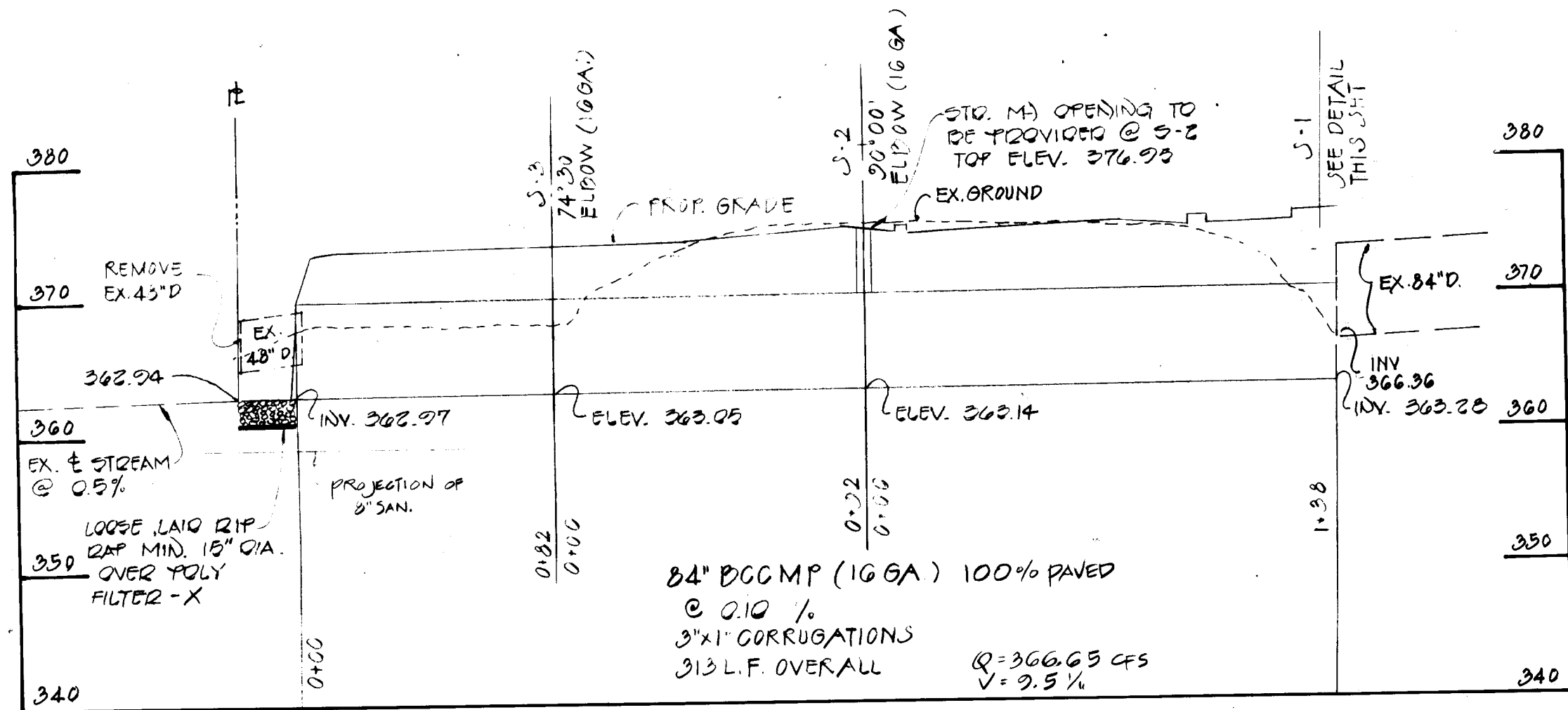
SDP-82-67

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



WILLIAM J. BRYSON
466/461

EXISTING ZONING
R-20



CONSTRUCTION SPECIFICATIONS STABILIZED CONSTR. ENTR.

1. STONE SIZE - USE MUHAN 2 (2 1/2" TO 1") USE CRUSHED STONE LENGTH AS EFFECTIVE, BUT NOT LESS THAN 50%.
2. THICKNESS - NOT LESS THAN EIGHT (8) INCHES.
3. WIDTH - NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
4. WASHING - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT TRUCK TO ENTRANCE ONTO PUBLIC R/W. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH SHALL BE INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERWAY THROUGH USE OF SAND BAGS, GRAVEL BARRIERS, OR OTHER APPROVED METHODS.
5. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOWING OF SEDIMENT ON TO 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 SHALL BE IMMEDIATELY WASHED OR TRACKED ONTO PUBLIC R/W MUST BE REMOVED IMMEDIATELY.
6. PLACE CRUSHED STABILIZATION FACING (ENDS IN CLOTH) UNDER THE 8" OF STONE FOR THE ENTIRE LENGTH & WIDTH OF THE CONSTRUCTION ENTRANCE.

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

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 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 DATE

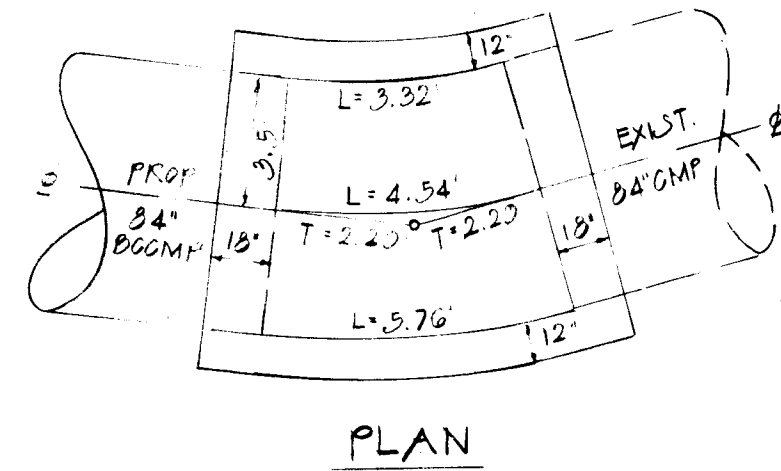
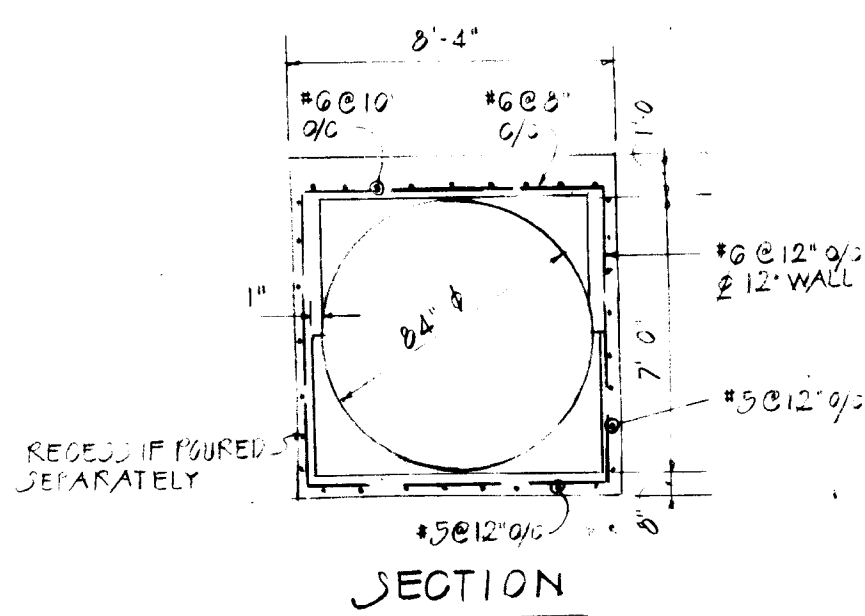
REVIEWED FOR: HOWARD SOIL CONSERVATION DISTRICT
 AND MEET TECHNICAL REQUIREMENTS
 James Helman 4-15-82 DATE

APPROVED: William J. Hove 4-15-82 DATE
 HOWARD SOIL CONSERVATION DISTRICT

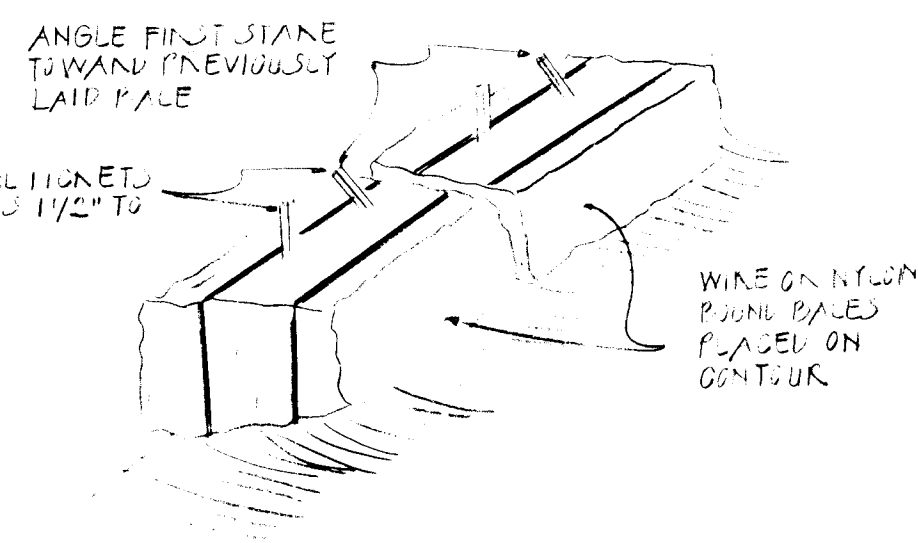
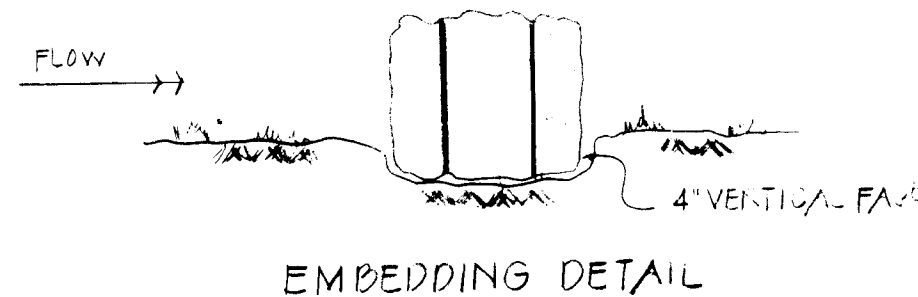
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Director: W. F. Mumford 4-30-82 DATE
 Chief, Bureau of Engineering: J. B. Kelly 4-13-82 DATE

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT
 County Health Officer: J. M. Brown 5-7-82 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 Planning Director: J. M. Brown 5-11-82 DATE
 Chief, Division of Land Development and Zoning Administration: J. M. Brown 5-11-82 DATE



BRICK CURVE S-1
 NO SCALE



STRAW BALE DIKE

CONSTRUCTION SPECIFICATIONS STRAW BALE DIKE

1. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ADJACENT BALE.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MIN. 4"
3. BALES SHALL BE JOINTLY ANCHORED IN PLACE BY STAKES OR KEYS - DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANCHORED TOWARD PREVIOUSLY LAID BALE TO FINKE BALES TOGETHER.
4. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE IMMEDIATELY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS, SHALL NOT BE ALLOWED ON IMPERIAL STORM FLOW OR DRAINAGE.

STABILIZATION

SEEDBED PREPARATION

FLAT AREAS AND SLOPES UP TO 3:1 SHALL BE LOOSE AND FINISH TO A DEPTH OF AT LEAST 3" TOP LAYER OF SOIL SHALL BE LOOSENED BY RAKING, DISHING, OR OTHER ACCEPTABLE MEANS. SLOPES STEEPER THAN 3:1 SHALL HAVE 1" TO 3" OF 100% LOOSE AND FINISH BEFORE SEEDING.

SOIL AMENDMENTS

APPLY TWO TONS (2000 LBS) LIMESTONE AND 600 LBS 0-20-20 OR EQUIVALENT PER ACRE BEFORE SEEDING. HARKOW OR DUC LIME AND 0-20-20 OR EQUIVALENT FERTILIZER FIRMED INTO THE SOIL. 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 COUNTY PLANNING OFFICER. ON SLOPING LAND, THE FINAL MOUNDING OR BROADCASTING OPERATION SHOULD BE DONE ON THE CONTOUR. WHENEVER FEASIBLE, NO ATTEMPT SHALL BE MADE TO GRADE ANY DITCHED AREA TO MAKE THE SOIL SURFACE VENT SMOOTH AFTER DISHING. AT THE TIME OF SEEDING, APPLY 400 LBS 33-0-0 GREAFOAM FERTILIZER AND 500 LBS 10-20-20 OR EQUIVALENT FERTILIZER PER ACRE.

SEEDING

APPLY SEED UNIFORMLY WITH A CYCLOPE SEEDER, DRILL, CULTIVATOR SEEDER OR HYDROSEEDER (SEEDS INCLUDE: 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 KYE, ITALIAN RYE, 0-22 LBS/1000 SQ FT (FEB 1 THROUGH APRIL 30) OR AUG 15 THROUGH NOV 1) MILLET 0-25 LBS/1000 SQ FT (MAY 1 THROUGH AUG 15) PERMANENT SEEDING: 1-2 LBS/1000 SQ FT (FEBRUARY 31) TALL FESCUE (NOV 1 TO APRIL 30) OR AUG 15 TO OCT 31)

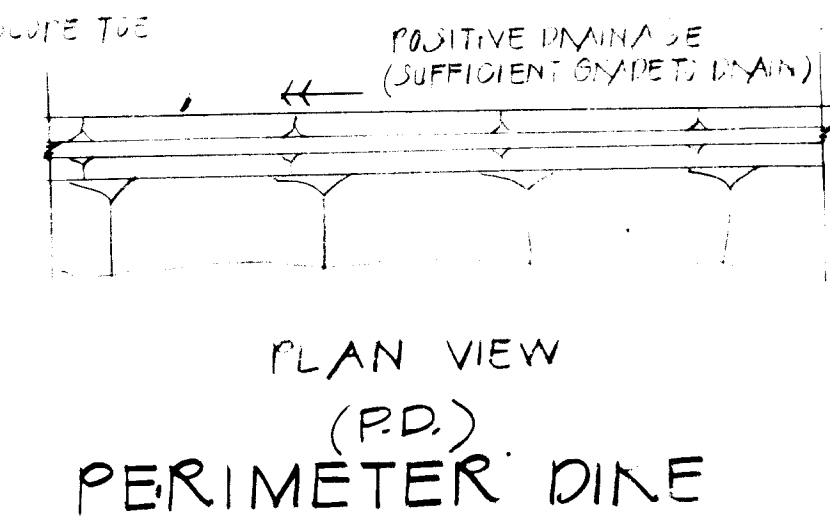
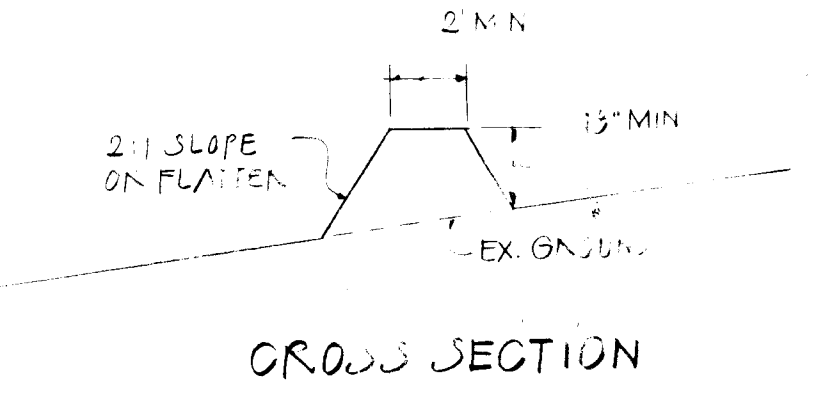
STRAW SHALL BE SMALL UNMATTED CLEAN STRAW APPLIED AT THE RATE OF 1 1/2 TO 2 TONS PER ACRE ON 75 TO 3:1 SLOPES. PER 1000 SQ FT MULCH MATERIALS SHALL BE RELATIVELY FREE OF ALL KINDS OF WEEDS AND SHALL BE FREE OF FERTILIZED NUTRIENT WEEDS WHICH ARE: CANADA THISTLE, JOHNSONGRASS, AND QUACKGRASS. STRAW SHOULD BE APPLIED UNIFORM BY HAND OR MECHANICALLY FOR UNIFORM DISTRIBUTION OF HAND STRAW. MULCH, DIVIDE AREA INTO APPROXIMATELY 1000 SQ FT SECTION AND PLACE 70 TO 80 LBS MULCH IN EACH SECTION.

MULCH ANCHORING

MULCH ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER MULCH PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. LIQUID MULCH BINDERS SHALL BE HEAVIER AT EDGES, WHERE WIND CAUGHTS MULCH IN VALLEYS, AND AT CORNERS OF BARRIERS. REMAINDER OF AREA SHOULD BE UNIFORM IN APPEARANCE. CAUTION SHOULD BE USED WITH ASPHALT IN RESIDENTIAL AND SIMILAR AREAS.
 CRIBS: ASPHALT - NATU CUNING (RC-79, RC-259 AND RC-309) OR METHUEN CRIBS (MC-25- AND MC-300)
 EMULSIFIED ASPHALT: (CS-1, CS-2, CS-3, CS-4, CS-5, CS-6, CS-7, CS-8, CS-9, CS-10, CS-11, CS-12, CS-13, CS-14, CS-15, CS-16, CS-17, CS-18, CS-19, CS-20, CS-21, CS-22, CS-23, CS-24, CS-25, CS-26, CS-27, CS-28, CS-29, CS-30, CS-31, CS-32, CS-33, CS-34, CS-35, CS-36, CS-37, CS-38, CS-39, CS-40, CS-41, CS-42, CS-43, CS-44, CS-45, CS-46, CS-47, CS-48, CS-49, CS-50, CS-51, CS-52, CS-53, CS-54, CS-55, CS-56, CS-57, CS-58, CS-59, CS-60, CS-61, CS-62, CS-63, CS-64, CS-65, CS-66, CS-67, CS-68, CS-69, CS-70, CS-71, CS-72, CS-73, CS-74, CS-75, CS-76, CS-77, CS-78, CS-79, CS-80, CS-81, CS-82, CS-83, CS-84, CS-85, CS-86, CS-87, CS-88, CS-89, CS-90, CS-91, CS-92, CS-93, CS-94, CS-95, CS-96, CS-97, CS-98, CS-99, CS-100)
 APPLY 5 GALLONS PER THOUSAND SQUARE FEET ON 200 GALLONS PER ACRE ON FLAT SURFACES AND 100 GALLONS PER THOUSAND SQUARE FEET ON SLOPES MORE THAN 3 FEET HIGH. USE 5 GALLONS PER THOUSAND SQUARE FEET ON 345 GALLONS PER ACRE. ALL ASPHALT DESIGNATIONS ARE FROM THE ASPHALT INSTITUTE DESIGNATIONS.

CONSTRUCTION SPECIFICATIONS PERIMETER DIKE

1. ALL DIKES SHALL BE MACHINE CONSTRUCTED.
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.
4. 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 NOT DETECTED BY ANY OF THESE METHODS.
5. STABILIZATION, WHEN REQUIRED, SHALL BE DONE IN A MANNER WHICH WILL STABILIZE AND MAINTAIN THE PERMANENT FLOW AREA. THE MINIMUM AREA TO BE STABILIZED SHALL BE THE CHANNEL FLOW AREA.
6. PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PROVIDED.

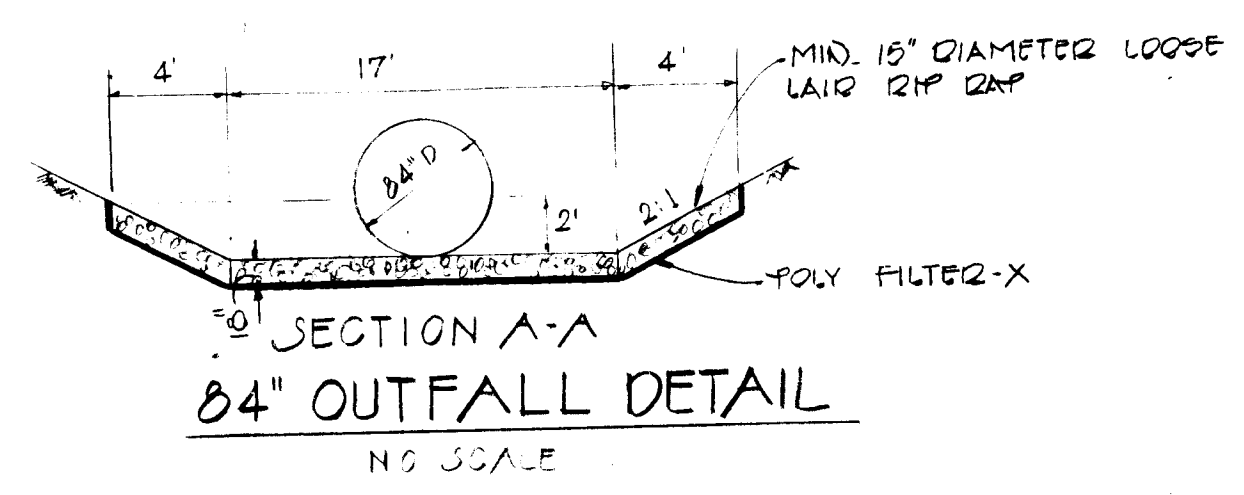


STRUCTURE SCHEDULE

NO.	TYPE	SIZE	INV. OUT.
S-1	BRICK CURVE	84"	362.96
S-2	3 PIECE 30" ELBOW	84"	365.97
S-3	3 PIECE 74" 30" ELBOW	84"	365.21
S-4	3 PIECE GALE END SECTION	84"	364.83

INLET SCHEDULE

NO.	TYPE	INV. OUT.	T-1 ELEV.
I-1	STD. J.H.A. W.K.M. INLET	375.50	370.63



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



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

THIS PLAN IS A REVISION TO SDP 79-99

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