

- TRENCHES: 100' LENGTH x 3' WIDE
- EX. GRADE OVER TRENCH: 813.50  
FIN. GRADE OVER TRENCH: 813.50  
INVERT OF TRENCH: 812.00  
BOTTOM OF TRENCH: 808.50
  - EX. GRADE OVER TRENCH: 813.00  
FIN. GRADE OVER TRENCH: 813.00  
INVERT OF TRENCH: 809.50  
BOTTOM OF TRENCH: 806.00
  - EX. GRADE OVER TRENCH: 812.00  
FIN. GRADE OVER TRENCH: 812.00  
INVERT OF TRENCH: 808.50  
BOTTOM OF TRENCH: 807.00
  - EX. GRADE OVER TRENCH: 811.00  
FIN. GRADE OVER TRENCH: 811.00  
INVERT OF TRENCH: 807.50  
BOTTOM OF TRENCH: 806.00
  - EX. GRADE OVER TRENCH: 810.20  
FIN. GRADE OVER TRENCH: 810.20  
INVERT OF TRENCH: 806.70  
BOTTOM OF TRENCH: 805.20
  - EX. GRADE OVER TRENCH: 809.00  
FIN. GRADE OVER TRENCH: 809.00  
INVERT OF TRENCH: 805.50  
BOTTOM OF TRENCH: 804.00

- INV. @ WALL: 813.80
- 1500 GALLON SEPTIC TANK (PROVIDE MANHOLE TO GRADE)  
EX. GRADE OVER TANK: 818.00  
FIN. GRADE OVER TANK: 818.00  
INV. IN: 812.50
- 1500 GALLON SEPTIC TANK (PROVIDE MANHOLE TO GRADE)  
EX. GRADE OVER TANK: 818.00  
FIN. GRADE OVER TANK: 818.00  
INV. IN: 811.80
- DISTRIBUTION BOX (6 OUTLETS) (PROVIDE MANHOLE TO GRADE)  
EX. GRADE OVER TANK: 813.60  
FIN. GRADE OVER TANK: 813.60  
INV. IN: 810.10  
INV. OUT: 810.10
- INV. @ GRATE: 807.80
- 1000 GALLON GREASE INTERCEPTOR (PROVIDE MANHOLE TO GRADE)  
EX. GRADE OVER TANK: 810.80  
FIN. GRADE OVER TANK: 810.80  
INV. IN: 807.60  
INV. OUT: 807.30
- 1000 GALLON SEPTIC TANK (PROVIDE MANHOLE TO GRADE)  
EX. GRADE OVER TANK: 810.80  
FIN. GRADE OVER TANK: 810.80  
INV. IN: 807.10  
INV. OUT: 806.80
- TRENCH: 50' LENGTH x 3' WIDE  
EX. GRADE OVER TRENCH: 810.20  
FIN. GRADE OVER TRENCH: 810.20  
INVERT OF TRENCH: 806.70  
BOTTOM OF TRENCH: 805.20

GENERAL NOTES:

- TOTAL AREA OF PARCEL: 140.37 AC.±
- LIMIT OF SUBMISSION: 6.31 AC.±
- PRESENT ZONING: R (RURAL) SEE BA CASE 81-39
- PRESENT USE: LUMBER MILL AND PASTURE LAND
- PROPOSED USE WITHIN LIMIT OF SUBMISSION: BARBEQUE AND PICNIC FACILITY
- DEED REFERENCE: LIBER 338, FOLIO 349.
- PROPERTY IS SHOWN ON TAX MAP 6, PARCEL 106
- PARKING DATA:
  - INTENDED USES OF STRUCTURES: PICNIC PAVILION
  - TOTAL AREA OF BUILDINGS: 2924 S.F. OR 0.07 AC.± (1: COVERAGE)
  - TOTAL NUMBER OF SPACES REQUIRED: 100 SPACES
    - AVERAGE CAPACITY OF PICNIC FACILITY: 300 PEOPLE + 3/CAR = 100 SPACES
    - NUMBER OF HANDICAPPED SPACES: 4 SPACES
  - TOTAL NUMBER OF SPACES PROVIDED: 100 SPACES (TURF PARKING)
    - NUMBER OF HANDICAPPED SPACES: 4 SPACES
- THE CONTRACTOR SHALL NOTIFY THE HOWARD COUNTY CONSTRUCTION INSPECTION/SURVEY DIVISION 24 HOURS PRIOR TO COMMENCEMENT OF WORK AT 992-2437.
- HANDICAPPED FACILITIES TO BE CONSTRUCTED IN ACCORDANCE WITH THE "DESIGN OF BARRIER FREE FACILITIES" AND THE "MARYLAND BUILDING CODE FOR HANDICAPPED AND AGED".
- EXISTING UTILITIES SHOWN HEREON HAVE BEEN LOCATED FROM FIELD AND OFFICE INFORMATION. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES TO HIS OWN SATISFACTION BEFORE MAKING ANY CONNECTION THEREOF OR EXCAVATING IN THE AREA THEREOF.
- SEE ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS.
- STORM WATER MANAGEMENT IS NOT REQUIRED FOR THIS PROJECT.
- ANY ON-SITE LIGHTING WILL BE DEFUSED DOWNWARD AND INWARD.
- THE SUBJECT USE SHALL BE LIMITED TO WEEKENDS AND HOLIDAYS AS LONG AS THE CLEMENTS SAWMILL IS IN USE. IN ADDITION, IF THE SAW MILL IS IN OPERATION ON WEEKENDS, THE SUBJECT USE SHALL NOT BE OPEN FOR BUSINESS ON WEEKENDS.
- THE SUBJECT PROPERTY SHALL NOT BE UTILIZED FOR ANY PICNIC OR RECREATIONAL USE LATER THAN 12 O'CLOCK MIDNIGHT.
- NOISE LEVELS SHALL BE CLOSELY MONITORED AND COMPLY WITH COUNTY REQUIREMENTS.
- THE NUMBER OF INDIVIDUALS USING THE SUBJECT FACILITIES WILL BE LIMITED TO 1000.
- APPROVAL OF THIS SITE DEVELOPMENT PLAN SHOULD NOT BE CONSTRUED OR IMPLY THAT APPROVAL HAS BEEN GRANTED FOR THE PAVILIONS SHOWN AS FUTURE. BA CASE NO. 81-39 ONLY CONSIDERED AND APPROVED ONE PAVILION BUILDING.
- THIS SITE DEVELOPMENT PLAN IS SUBJECT TO ALL THE REQUIREMENTS AS SPECIFIED IN BA CASE NO. 81-39.
- DUST ABATEMENT PROGRAM HAS BEEN IMPLEMENTED ON ENTRANCE ROAD BY THE USE OF HARD SURFACE MACADAM ROADS.
- BOARD OF APPEALS CASE NO. 81-39 WILL EXPIRE ON APRIL 29, 1985.

CONSTRUCTION SEQUENCE

- OBTAIN GRADING PERMIT.
- CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AS SHOWN ON PLAN.
- CONSTRUCT DIVERSION DIKE. EXCAVATE SEDIMENT TRAP TO REQUIRED DIMENSIONS. USE EXCAVATED MATERIAL TO CONSTRUCT PERIMETER DIKE.
- CLEAR AND GRUB SITE AND GRADE TO SUBGRADE. INSTALL ON-SITE UTILITIES.
- CONSTRUCT BUILDINGS.
- SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT TRAP WHEN THE CLEANOUT ELEVATION HAS BEEN REACHED.
- THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON, AFTER EACH RAINFALL AND ON A DAILY BASIS.
- THE SEDIMENT TRAPS SHALL BE DEWATERED BY PUMPING IF NECESSARY.
- THE SEDIMENT FROM THE TRAPS SHALL BE PLACED UP-GRADE FROM THE SEDIMENT TRAPS IN SUCH A MANNER AS NOT TO INTERFERE WITH CONSTRUCTION OPERATIONS OR CAUSE EROSION DOWNGRADE FROM THE SEDIMENT TRAPS.
- REMOVE SEDIMENT FROM ROADIWAYS AND DRESS STONE CONSTRUCTION ENTRANCE AS REQUIRED.
- BACKFILL SEDIMENT TRAP WITH EARTH USED FOR PERIMETER DIKE AND STABILIZE DISTURBED AREA WITH SEEDING MIXTURE.
- REMOVE STONE CONSTRUCTION ENTRANCE. FINE GRADE SITE. ALL DISTURBED AREAS DUE TO REMOVAL OF SEDIMENT CONTROL MEASURES SHALL BE GRADED AND STABILIZED WITH PERMANENT SEEDING MIXTURE.

APPROVED  
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 4-24-85  
*[Signature]*

OWNER AND DEVELOPER:  
BENJAMIN F. AND DONNIE B. CLEMENTS  
ROUTE 3  
MOUNT AIRY, MARYLAND 21771  
TELEPHONE: 829-2257

PROPERTY OF	BENJAMIN F. & DONNIE B. CLEMENTS	SEC./AREA	NONE	PARCEL	6041
LOT	1/2	BLOCK	1288	TAX ZONE	R
MAP	6	SEWER CODE	NONE	ELEC DIST	4
WATER CODE	NONE			CENSUS TR	6041

ADDRESS CHART	
PARCEL #	106
STREET ADDRESS	001 RIDGE ROAD (MD ROUTE 27)

DEVELOPER'S CERTIFICATE

"I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."  
*Benjamin B. Clements* 4/1/85  
 SIGNATURE OF DEVELOPER DATE

ENGINEER'S CERTIFICATE

"I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."  
*Chris J. Cund* 4/25/85  
 SIGNATURE OF ENGINEER DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR SYSTEMS AND ROADS.

STORM DRAINAGE  
*William B. Riden* 4-26-85  
 DIRECTOR, PUBLIC WORKS DATE

APPROVED: OFFICE OF PLANNING AND ZONING

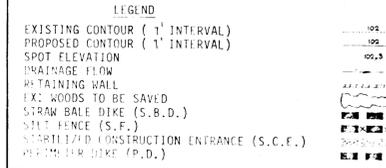
PLANNING DIRECTOR  
*William B. Riden* 4/26/85  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION SERVICE  
*John M. DeLoach* 4-26-85  
 DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED:  
*Robert W. Zickm* 4-26-85  
 DISTRICT COORDINATOR  
 HOWARD SOIL CONSERVATION DISTRICT DATE

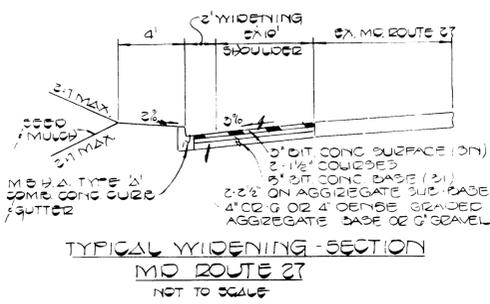
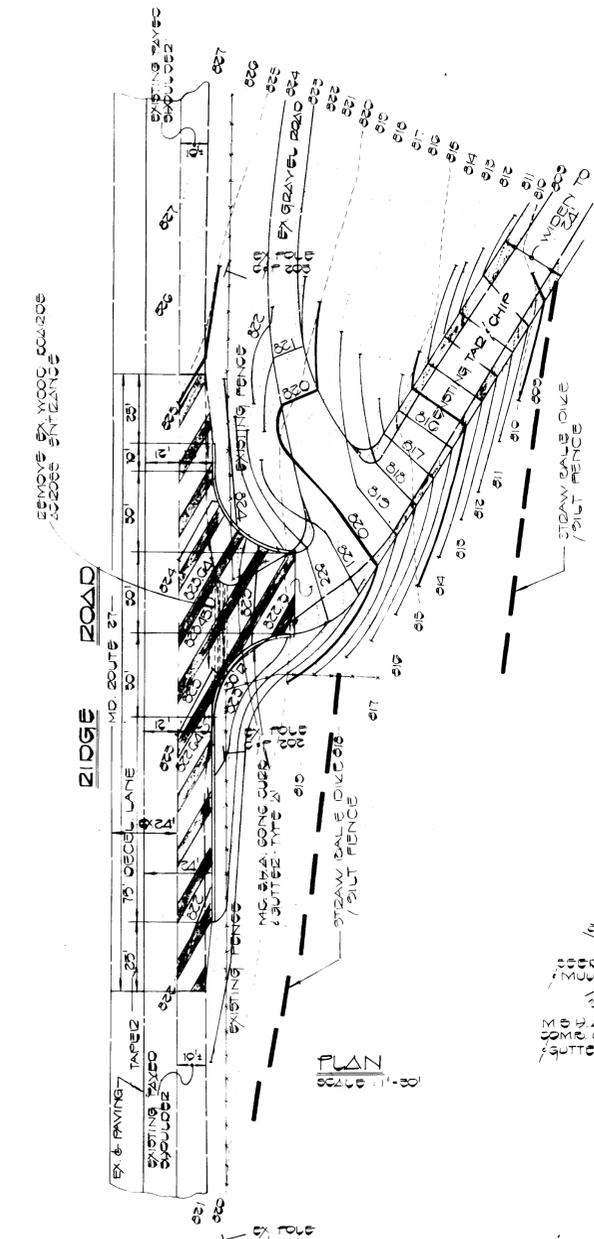
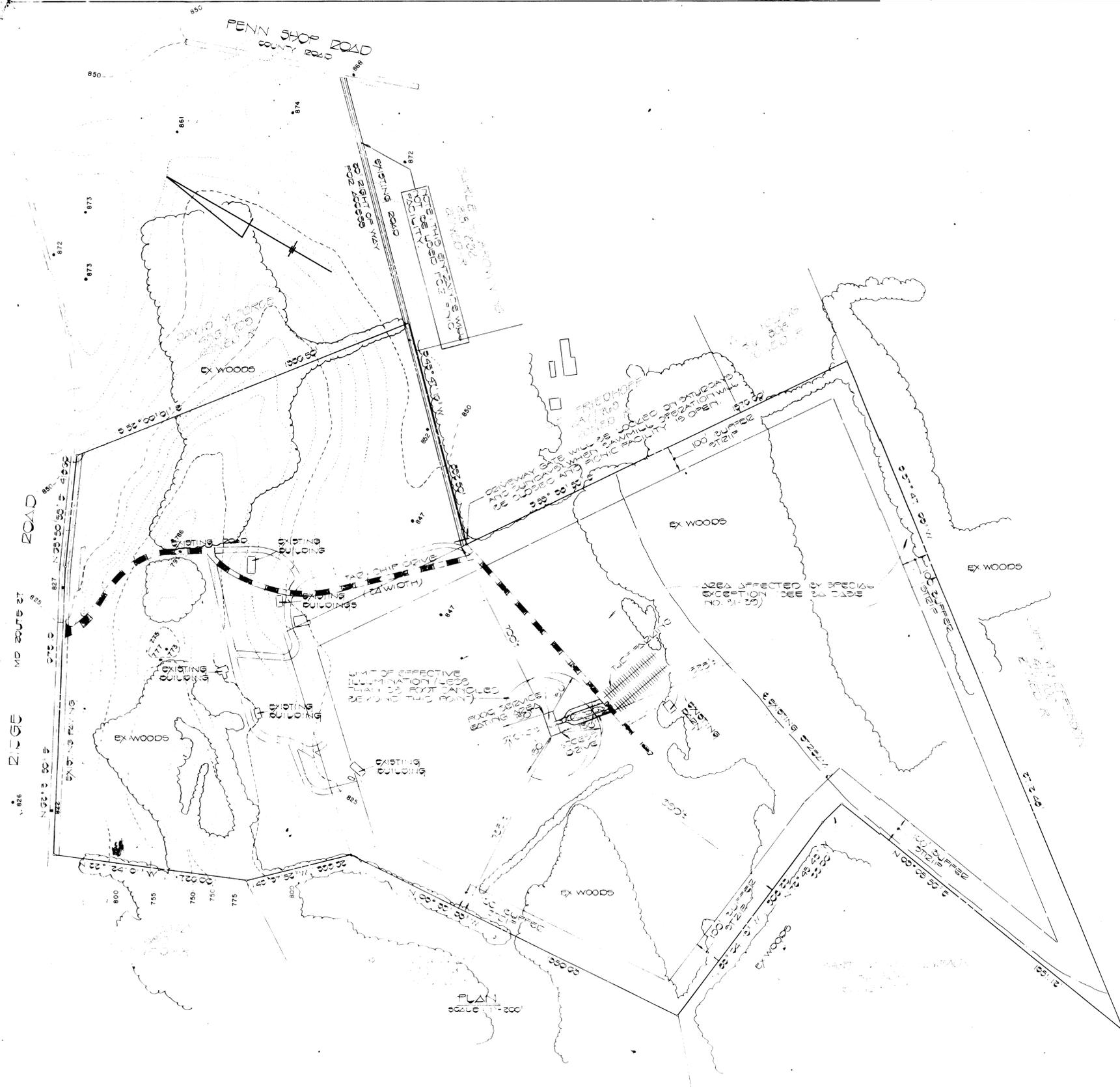
- SITE ANALYSIS
- TOTAL AREA OF PROPERTY: 140.37 AC.±
  - TOTAL AREA LIMIT OF SUBMISSION: 6.31 AC.±
  - TOTAL DISTURBED AREA: 2.15 AC.±
  - TOTAL IMPERVIOUS AREA: 0.07 AC.±
  - TOTAL AREA TO BE REVEGETATED: 2.08 AC.±



SEDIMENT TRAP DATA NO. 1

- TYPE OF TRAP: STONE OUTLET TRAP
- DRAINAGE AREA OF TRAP: 2.15 AC.±
- STORAGE REQUIRED: 145 C.Y.
- STORAGE PROVIDED: 209 C.Y.
- SIZE OF TRAP: 20' x 65'
- DEPTH OF TRAP: 3'
- CREST EL.: 806.00
- BOTTOM EL.: 803.00
- CLEANOUT EL.: 804.50

DESIGNED BY  
**FISHER, COLLINS & CARTER**  
 CONSULTING ENGINEERS/LAND SURVEYORS  
 6500 GOLF AVENUE  
 SUITE 100  
 WASHINGTON, MARYLAND 20008  
 301-428-2858



**APPROVED**  
**DEPARTMENT OF LAND DEVELOPMENT & ZONING ADMINISTRATION**  
**HOWARD COUNTY, MARYLAND**  
**DATE 4-24-85**

OWNER AND DEVELOPER:  
 BENJAMIN F. AND DONNIE B. CLEMENTS  
 ROUTE 3  
 MOUNT AIRY, MARYLAND 21771  
 TELEPHONE: 829-2257

*Charles C. ...*

PROJ. 204-85  
**FISHER, COLLINS & CARTER**  
 CONSULTING ENGINEERS AND SURVEYORS  
 8800 COURT AVENUE  
 SUITE 101, GREENBELT, MARYLAND 20762

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
*[Signature]*  
 U.S. SOIL CONSERVATION SERVICE  
 DATE 4-26-85  
 THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED:  
*[Signature]*  
 DISTRICT COORDINATOR  
 HOWARD SOIL CONSERVATION DISTRICT  
 DATE 4-26-85

APPROVED: OFFICE OF PLANNING AND ZONING  
 PLANNING DIRECTOR  
*[Signature]*  
 DATE 4-26-85  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
 APPROVED: HOWARD COUNTY HEALTH DEPARTMENT.  
 FOR PRIVATE WATER AND SEWERAGE SYSTEMS.  
*[Signature]*  
 HEALTH OFFICER  
 DATE 4/26/85

APPROVED: DEPARTMENT OF PUBLIC WORKS.  
 FOR SYSTEMS AND ROADS.  
 STORM DRAINAGE  
 DIRECTOR, PUBLIC WORKS  
*[Signature]*  
 DATE 4-26-85  
 CHIEF, BUREAU OF ENGINEERING  
*[Signature]*  
 DATE 4-26-85

DEVELOPER'S CERTIFICATE  
 "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."  
*[Signature]*  
 DATE 4/1/85  
 SIGNATURE OF DEVELOPER

ENGINEER'S CERTIFICATE  
 I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
*[Signature]*  
 DATE 4/25/85  
 SIGNATURE OF ENGINEER

SITE DEVELOPMENT PLAN  
**SAWMILL FARM PARK**  
 FOURTH ELECTION DIST. HOWARD CO MD  
 TAX MAP G PARCEL 100  
 SCALE AS SHOWN MARCH 20, 1986  
 SHEET 2 OF 3

**PERMANENT SEEDING NOTES:**

APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING

1. UNACCEPTABLE - APPLY 2 TONS PER ACRE DOLICMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 400 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING. MULCH TO DISC INTO UPPER THREE-INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS PER ACRE 30-0-0 FERTILIZER (8 LBS/1000 SQ. FT.).
2. ACCEPTABLE - APPLY 2 TONS PER ACRE DOLICMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ. FT.) BEFORE SEEDING. MULCH TO DISC INTO UPPER THREE-INCHES OF SOIL.

SEEDING PERIODS: MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED AT 100 LBS PER ACRE (1.1 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 50 LBS KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE OF WEeping LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY OPTION (1) 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOD. OPTION (3) SEED WITH 60 LBS PER ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.

MULCHING: APPLY 1 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNPOTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.

MAINTENANCE: INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDING.

**TEMPORARY SEEDING NOTES:**

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS: APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.)

SEEDING PERIODS: MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ. FT.). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEeping LOVEGRASS (.07 LBS/1000 SQ. FT.). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.

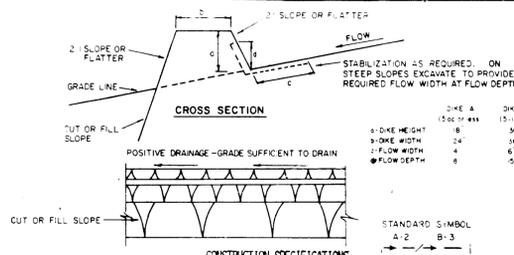
MULCHING: APPLY 1 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNPOTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FT. OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

**SEDIMENT CONTROL NOTES:**

1. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (8992-2437).
2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
3. FOLLOWING TWILIGHT SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY SEDIMENT CONTROL SHALL BE COMPLETED WITHIN: (a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, (b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC.51) SOD (SEC.54), TEMPORARY SEEDING (SEC.50) AND MULCHING (SEC.52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
7. SITE ANALYSIS:
 

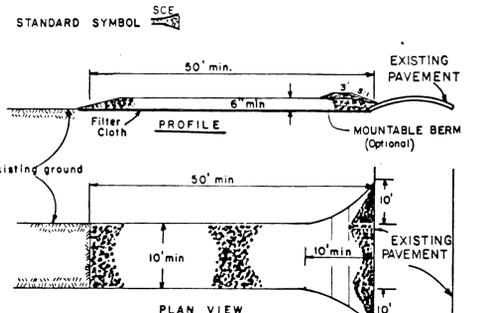
TOTAL AREA OF SITE	6.31	ACRES
AREA DISTURBED	2.15	ACRES
AREA TO BE ROOFED OR PAVED	0.07	ACRES
AREA TO BE VEGETATIVELY STABILIZED	2.08	ACRES
TOTAL CU	790	CU. YDS.
TOTAL FILL	790	CU. YDS.
OFFSITE WASTE/BORROW AREA LOCATION		BALANCED SITE
8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.



1. ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
3. TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
5. EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
6. STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON, (B) FLOW CHANNEL AS PER THE CHART BELOW.

TYPE OF TREATMENT	FLOW CHANNEL STABILIZATION	
	DIKE A	DIKE B
1	5-3.0% SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0% SEED AND STRAW MULCH	SEED USING LITE, OR EXCE. SOD; SOD; 2" STONE
3	5.1-8.0% SEED WITH LITE, OR SOD; 2" STONE	LINED RIP-RAP 4-8"
4	8.1-20% LINED RIP-RAP 4-8"	ENGINEERING DESIGN

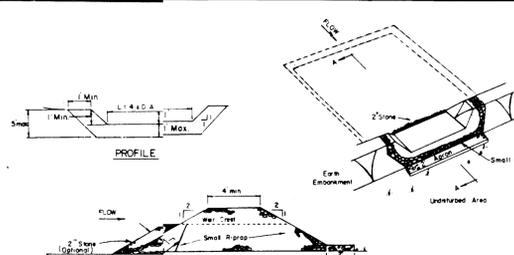
**EARTH DIKE**  
NOT TO SCALE



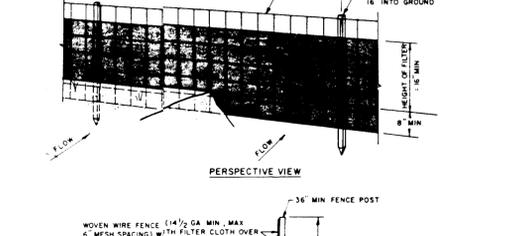
**CONSTRUCTION SPECIFICATIONS**

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

**STABILIZED CONSTRUCTION ENTRANCE**  
NOT TO SCALE

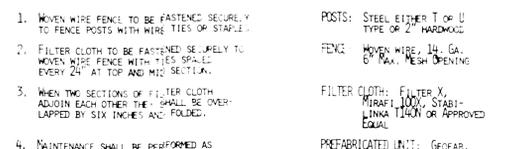


1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN 'BULGES' DEVELOP IN THE SILT FENCE.



**SILT FENCE**  
NOT TO SCALE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN 'BULGES' DEVELOP IN THE SILT FENCE.

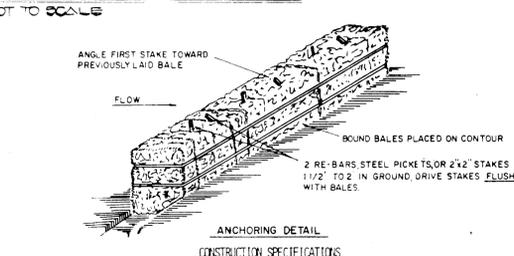


**TRENCH DETAILS**  
NOT TO SCALE

OPTION: A one foot layer of 2" stone may be placed on the upstream side of the riprap in place of the embedded filter cloth.

1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
2. The fill material for the embankment shall be free of roots and other woody vegetation as well as oversized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
3. All cut and fill slopes shall be 2:1 or flatter.
4. The stone used in the outlet shall be small riprap 4"-8" along with a 1" thickness of 2" aggregate placed on the up grade side on the small riprap 2" embedded filter cloth in the riprap.
5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap.
6. The structure shall be inspected after each rain and repairs made as needed.
7. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
8. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

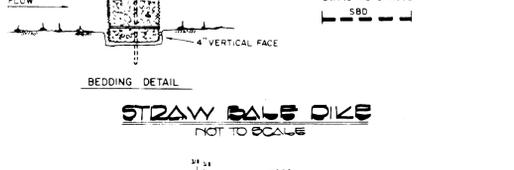
**STONE OUTLET SEDIMENT TRAP**  
NOT TO SCALE



**STRAW BALE DIKE**  
NOT TO SCALE

1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPED STORM FLOW OR DRAINAGE.

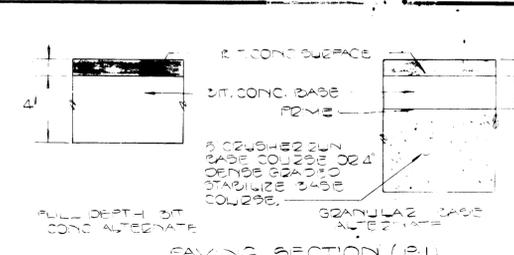
**CONSTRUCTION SPECIFICATIONS**



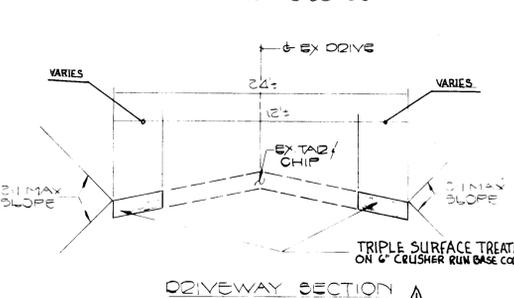
**BEDDING DETAIL**  
NOT TO SCALE



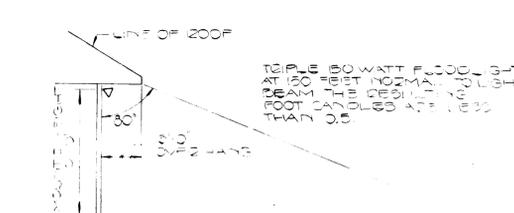
**HANDICAPPED SIGN DETAIL**  
NOT TO SCALE



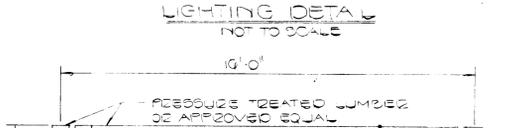
**DRIVEWAY SECTION (TYPICAL)**  
NOT TO SCALE



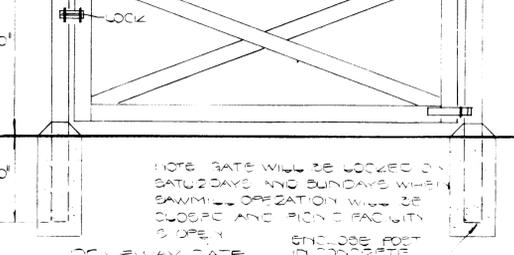
**LIGHTING DETAIL**  
NOT TO SCALE



**DRIVEWAY GATE**  
NOT TO SCALE



**DRIVEWAY GATE**  
NOT TO SCALE



**DRIVEWAY GATE**  
NOT TO SCALE

**APPROVED**  
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE: 4-24-85

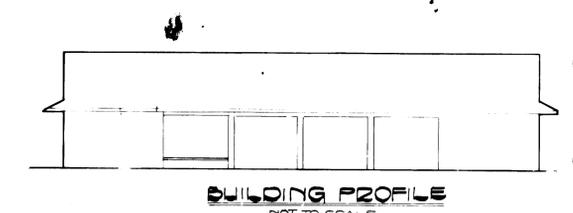
OWNER AND DEVELOPER:  
BENJAMIN F. AND DONNIE B. CLEMENTS  
ROUTE 3  
MOUNT ATRY, MARYLAND 21771  
TELEPHONE: 829-2257

APPROVED: OFFICE OF PLANNING AND ZONING  
DATE: 4/26/85  
APPROVED: DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
DATE: 4/26/85

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PRIVATE WATER AND SEWERAGE SYSTEMS.  
DATE: 4/26/85

NOTES AND DETAILS  
**SAWMILL FARM PARL**

FOURTH ELECTION DIST HOWARD CO MD  
TAX MAP 9 PARCEL 100  
SCALE AS SHOWN MARCH 29, 1986  
SHEET 3 OF 3



**BUILDING PROFILE**  
NOT TO SCALE

7-31-87	Δ	ROAD REVISION CROSSSECTION	J.B.
DATE	REVISED#	DESCRIPTION	

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERS & LAND SURVEYORS  
8388 COURT AVE.  
ELLCOTT CITY, MD. 21043  
(301) 461-2855

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

4/25/85

DEVELOPER'S CERTIFICATE  
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE ACCORDING TO THE PLAN, THE DEVELOPMENT OF PLAN, EROSION AND SEDIMENT CONTROL, AND THAT ALL PERSONNEL INVOLVED IN THE CONSTRUCTION WILL HAVE A CERTIFICATE OF ATTENDANCE AT A TRAINING COURSE ON NATURAL RESOURCE APPROVED TRAINING PROGRAM OF THE COUNTY OF SEWERAGE AND EROSION CONTROL DISTRICT OF HOWARD COUNTY, MARYLAND. I ALSO AUTHORIZE PERMITS ON SITE TO BE OBTAINED BY THE HOWARD SOIL CONSERVATION DISTRICT AND OTHER AGENCIES, AS ARE DEEMED NECESSARY.

4/1/85

REVISION HOWARD COUNTY SOIL CONSERVATION DISTRICT

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PRIVATE WATER AND SEWERAGE SYSTEMS

APPROVED: OFFICE OF PLANNING AND ZONING

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PRIVATE WATER AND SEWERAGE SYSTEMS.

SUBDIVISION NAME	BENJAMIN F. CLEMENTS SUB	SECTION/AREA	NONE	PARCEL NO	100
LOT NO	1210	TAX ZONE	G	PERMITS	4
WATER USE	NONE	SEWER CODE	NONE	CENSUS TR	500

APPROVED: OFFICE OF PLANNING AND ZONING  
DATE: 4/26/85  
APPROVED: DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
DATE: 4/26/85  
APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PRIVATE WATER AND SEWERAGE SYSTEMS.  
DATE: 4/26/85

NOTES AND DETAILS  
**SAWMILL FARM PARL**

FOURTH ELECTION DIST HOWARD CO MD  
TAX MAP 9 PARCEL 100  
SCALE AS SHOWN MARCH 29, 1986  
SHEET 3 OF 3