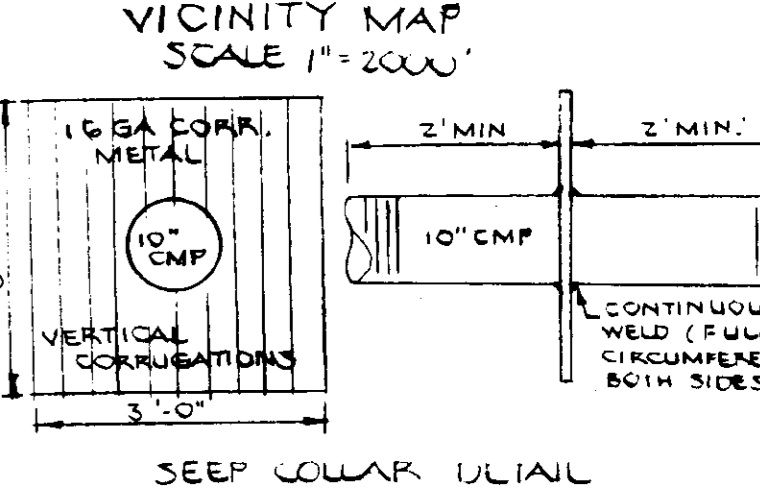
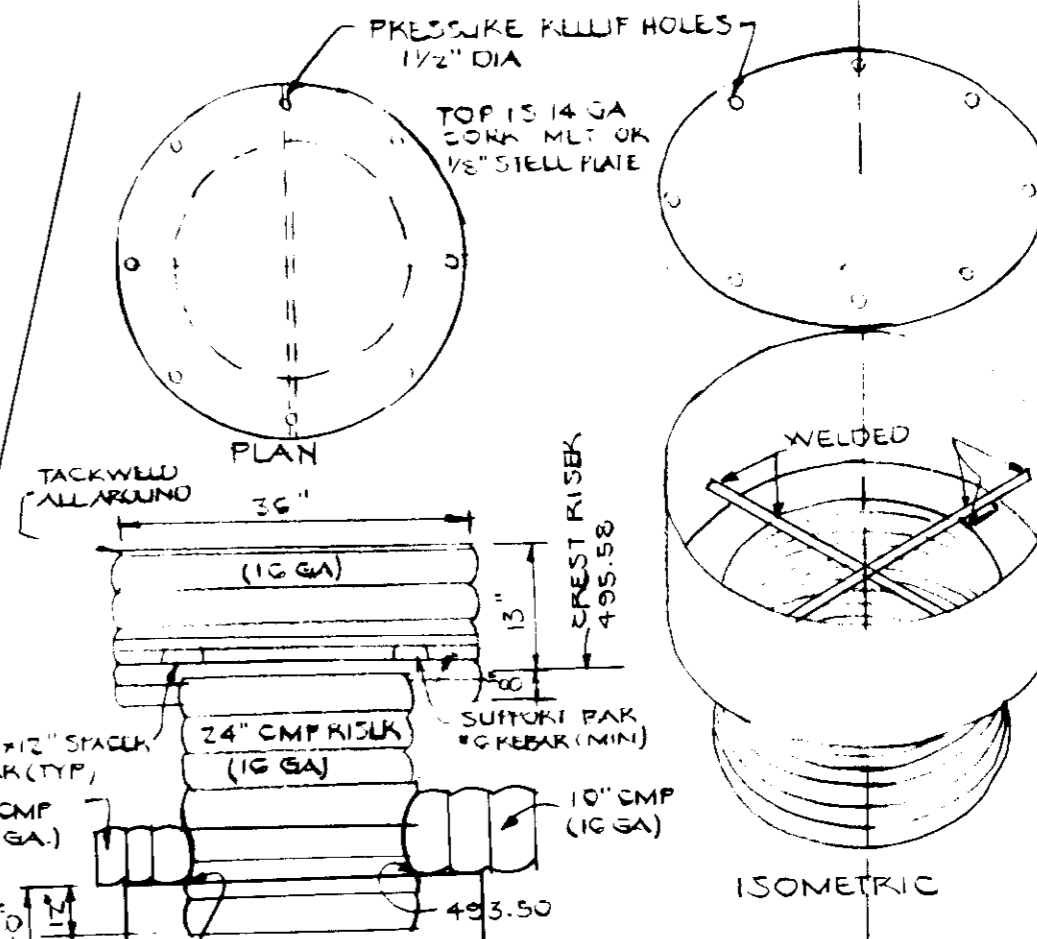
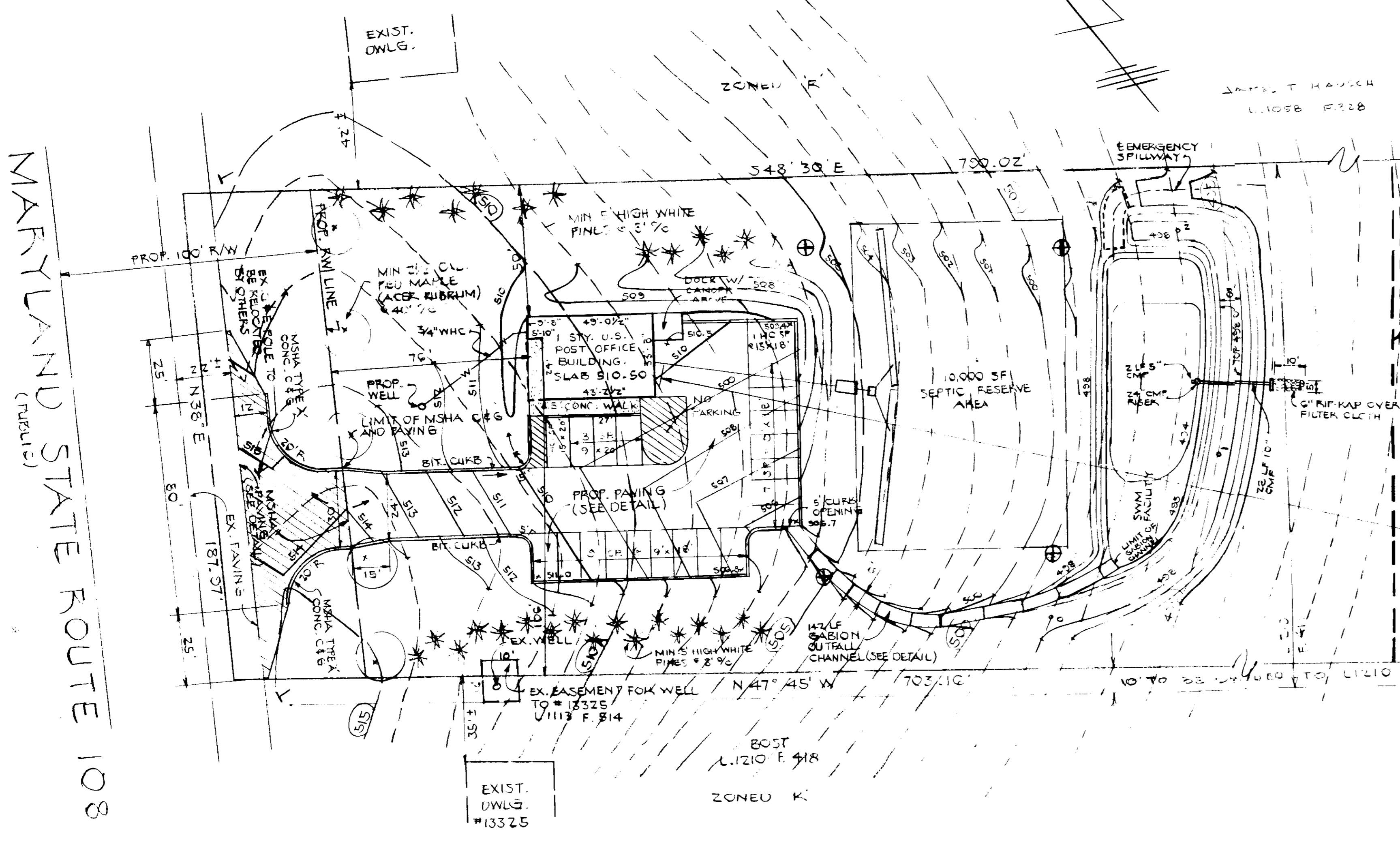
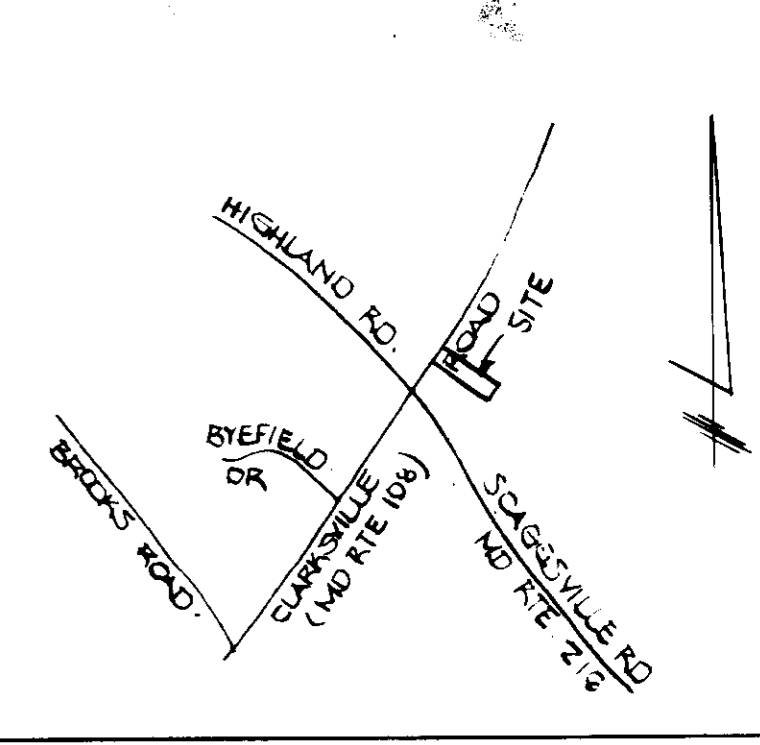
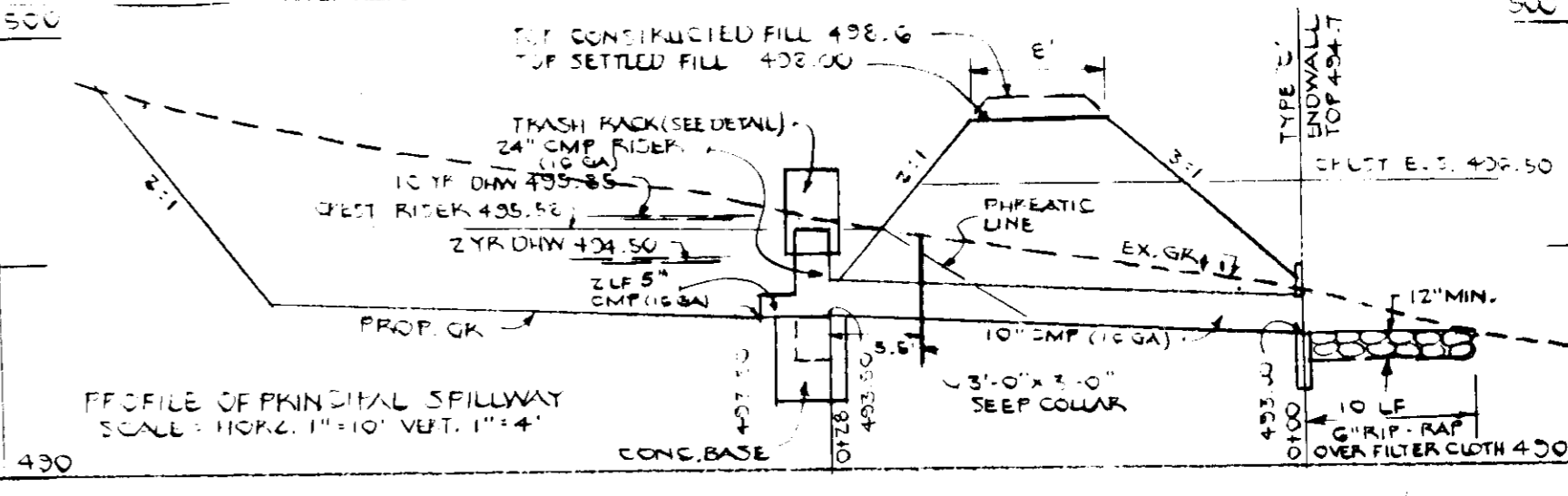
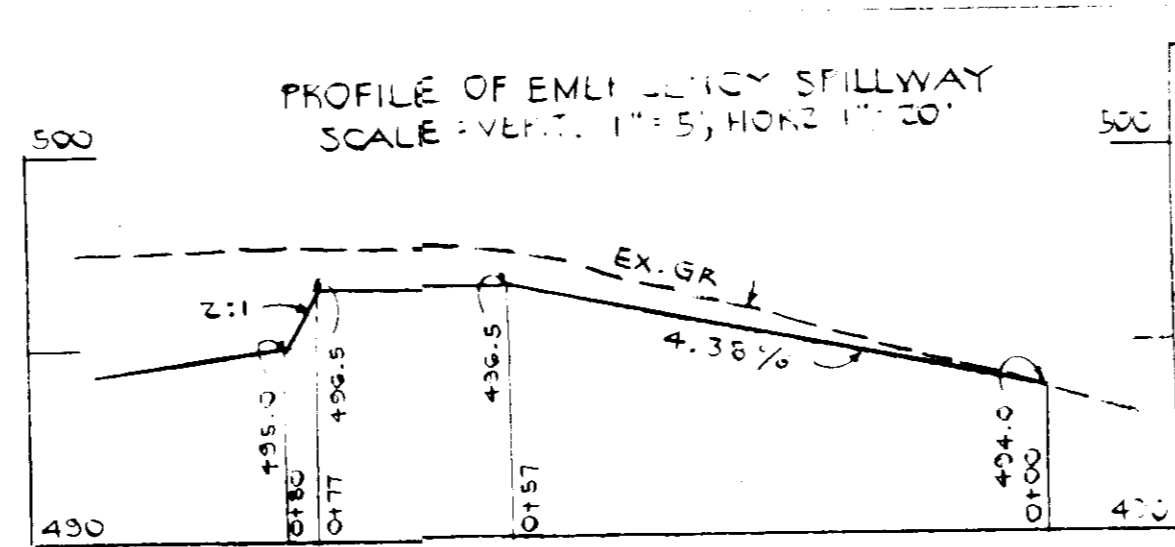
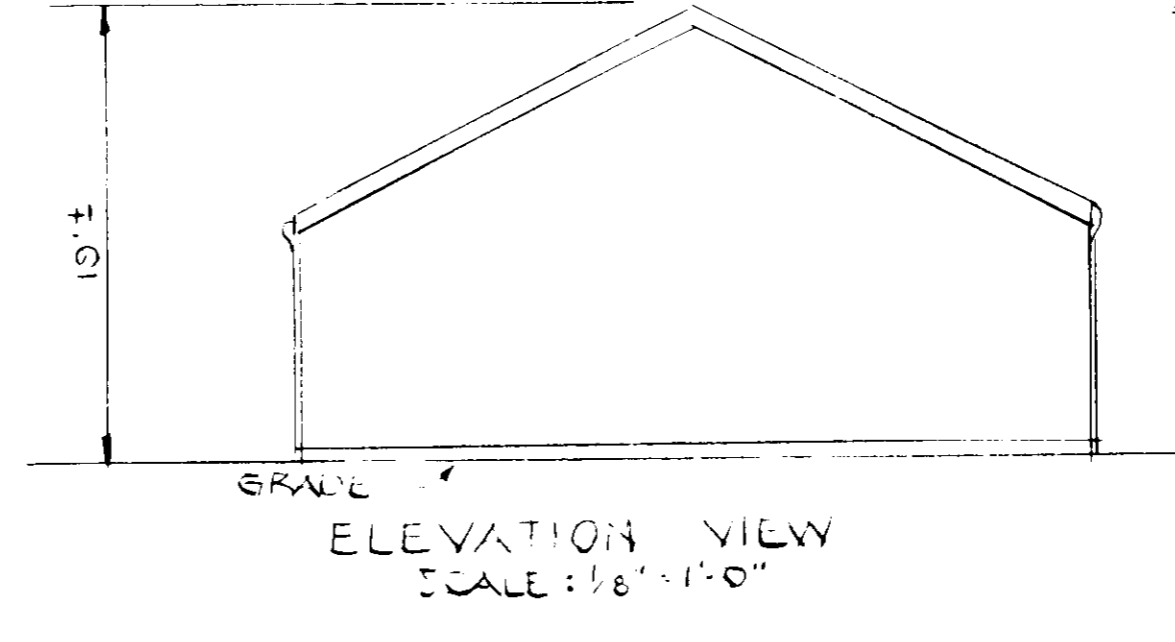
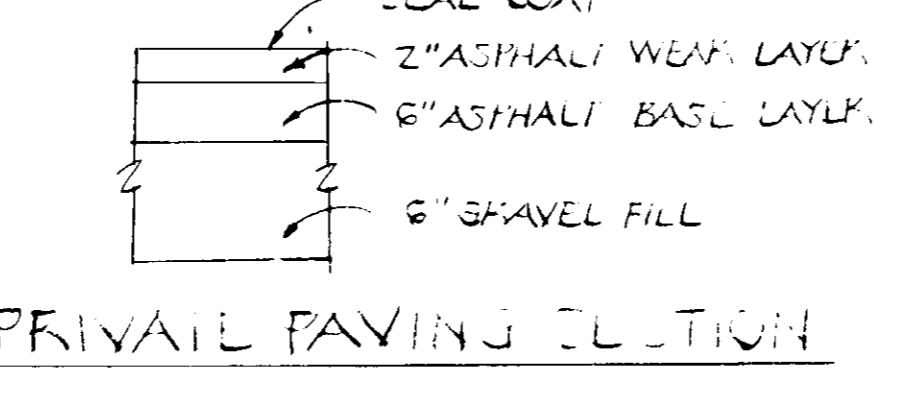
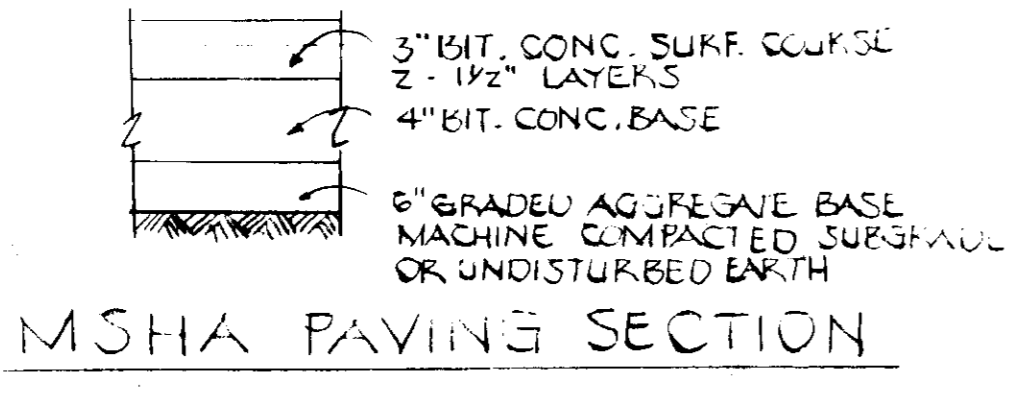
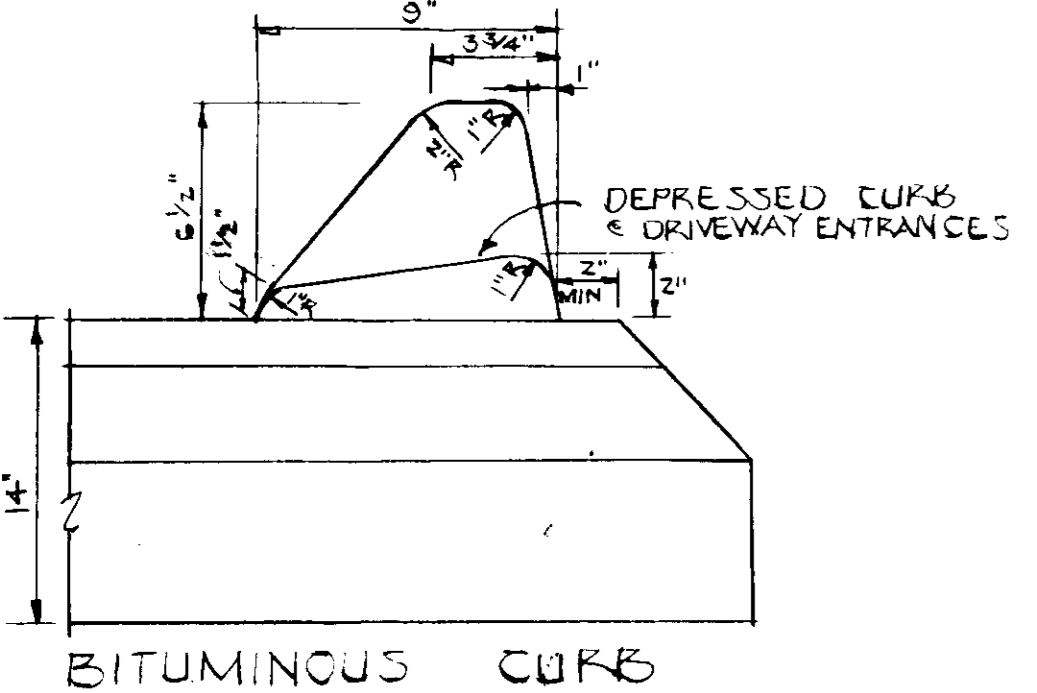
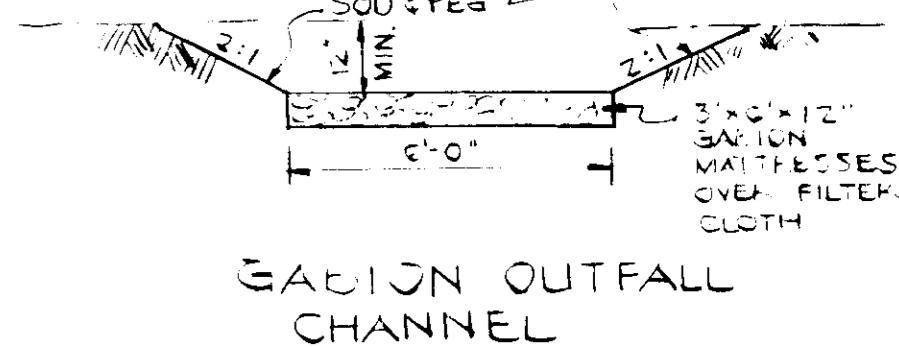
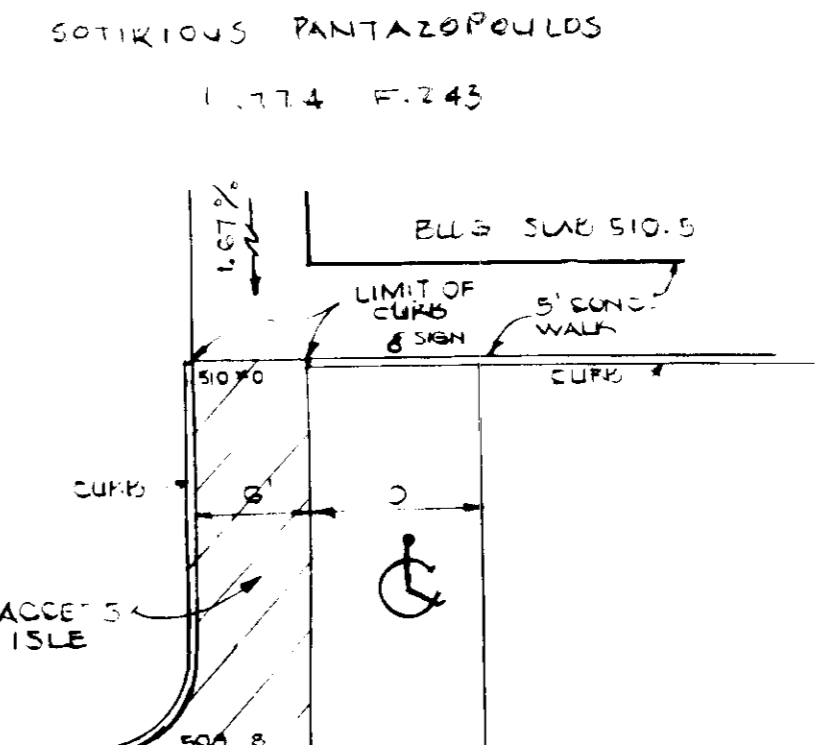
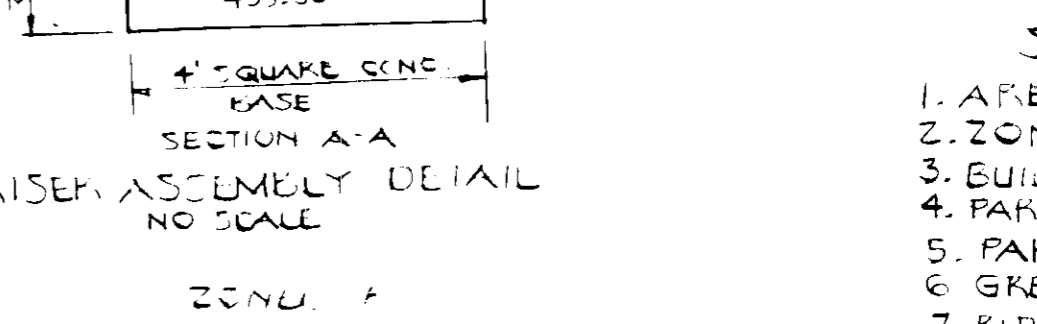


DISTRIBUTION BOX
EXISTING & PROPOSED ELEVATIONS
TANK EXIST. ELEV. = 900.7
INVERT IN = 900.7
INVERT OUT = 900.7
INVERT AT 20' DIA. = 903.0
TRENCH 5' WIDE 5' DEEP - 60' LENGTH
TOTAL 120'



- SITE ANALYSIS
1. AREA OF PARCEL = 3.270 AC. ±
 2. ZONING = R
 3. BUILDING AREA = 1511 SF
 4. PARKING REQUIRED = 1511 / 200' = 8 SPACES
 5. PARKING PROVIDED = 21 SPACES
 6. GREEN AREA = 2.99 AC. = 91%
 7. BLDG. COVERAGE = 1511 SF = 1.1%
 8. AREA LIMIT OF SUBMISSION = 1.85 AC.



SUBMISSION NAME	U.S. POST OFFICE, BOST PROPERTY	SECT./AREA	OFF. PARCEL
PLAT/BOOK	1210-411	3	R
TAX MAP	N/A	40	5
CENSUS	N/A	40	5
CENSUS A	N/A	40	5
CENSUS B	N/A	40	5

LOT NUMBER	ADDRESS
P. 74	13321 CLARKSVILLE PIKE (MURTE 108)

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
 PLANNING DIRECTOR: *Wesley P. Amis* 6-19-87
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: *William M. ...* 6-19-87
 APPROVED: FOR DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY
 DIRECTOR: *William M. ...* 6-12-87

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
 COUNTY HEALTH OFFICER: *John ...* 6-17-87
 REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS: *John M. ...* 6-5-87
 U.S. SOIL CONSERVATION SERVICE: THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 SOIL CONSERVATION DISTRICT: *Arthur E. Leonard* 6/1/87

"I/We certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project."
 DEVELOPER: *Robert C. Bost* 12-7-86
 "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. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District."
 ARTHUR E. LEONARD

OWNER & DEVELOPER:
 ROBERT C. & VIRGINIA E. BOST
 12001 KENTBURY DRIVE
 CLARKSVILLE, MD. 21020
 UELL REP LIZIO F. 411
 ENGINEER:
 HOOKINS ASSOCIATES, INC.
 200 E. JOFFA ROAD
 TOWSON, MD. 21284
 828-9060

4-21-87
 #/4111

SITE DEVELOPMENT PLAN
 U.S. POST OFFICE BUILDING
 BOST PROPERTY (T.M. 40, P. 74)
 S.E. SIDE MD. RTE. 108
 ELECTION DISTRICT 5
 HOWARD CO., MARYLAND
 SCALE 1"=30'
 DEC. 9, 1986
 REV. 3-21-87; 5-5-87
 SHEET 1 OF 2

1. Plans must be given to the Howard County Office of Inspection and Permits prior to the start of any construction (992-247).
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 initial soil disturbance or redisturbance, permanent or temporary stabilization 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 seeding: (Sec. 51) sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch along can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.

MARYLAND STATE ROUTE 108

- SEQUENCE OF CONSTRUCTION**
1. OBTAIN GRADING PERMIT
 2. NOTIFY HOWARD CO. DEPT. OF PERMITS & LICENCES
 3. INSTALL SEDIMENT CONTROL DEVICES
 4. OBTAIN APPROVAL OF SEDIMENT CONTROL INSPECTOR
 5. ROUGH GRADE SITE
 6. BEGIN BLDG. CONSTRUCTION
 7. INSTALL STONE BASE
 8. PAVE
 9. FINE GRADE & STABILIZE REMAINDER OF SITE
 10. REMOVE SEDIMENT CONTROL DEVICES AFTER OBTAINING APPROVAL OF SEDIMENT CONTROL INSPECTOR

* INSTALL GABION OUTFALL CHANNEL

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

U. P. Amis 6-19-87
PLANNING DIRECTOR DATE

John W. M... .. 6-78-87
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED: FOR DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY

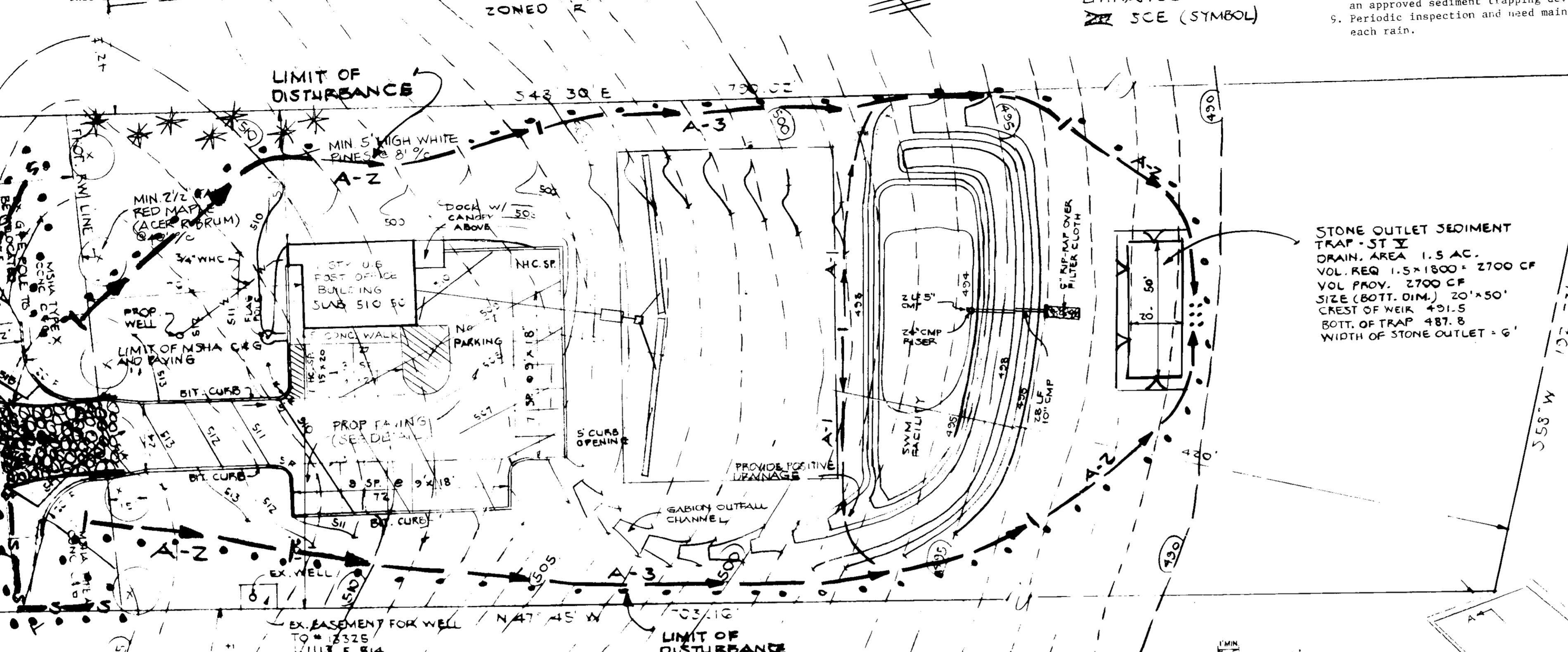
... 6-20-87
DIRECTOR DATE

... 6-12-87
CHIEF, BUREAU OF ENGINEERING DATE

8. Site Analysis:

Total Area of Site	3.719 Acres
Area Disturbed	2.0 Acres
Area to be roofed or paved	0.3 Acres
Area to be vegetatively stabilized	1.7 Acres
Total cut	1900 Cu. yds.
Total fill	1900 Cu. yds.

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. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
8. Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
9. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of SF perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.



PERMANENT SEEDING NOTES

Seeding Preparation: Loosen upper 3 inches of soil by raking, disking or other acceptable means before seeding.

Soil Amendments: Use one of the following schedules:

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq. ft.) and 400 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq. ft.) before seeding. Harrow or disk into upper three inches of soil. At time of seeding, apply 400 lbs. per acre 30-0-0 urea form fertilizer (4 lbs./1000 sq. ft.).
- 2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq. ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs./1000 sq. ft.) before seeding. Harrow or disk into upper three inches of soil.

Seeding: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 40 lbs. per acre (1.4 lbs./1000 sq. ft.) of Kentucky 31 tall fescue. For the period May 1 thru July 31, seed with 40 lbs. Kentucky 31 tall fescue per acre and 1 lb. per acre (.05 lbs./1000 sq. ft.) of weeping lovegrass. During the period of October 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. Option (2) Seed with 60 lbs./acre Kentucky 31 tall fescue and mulch with 2 tons of well anchored straw.

Mulching: Apply 14 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 20 gal. per acre 15 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.

Maintenance: Track all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

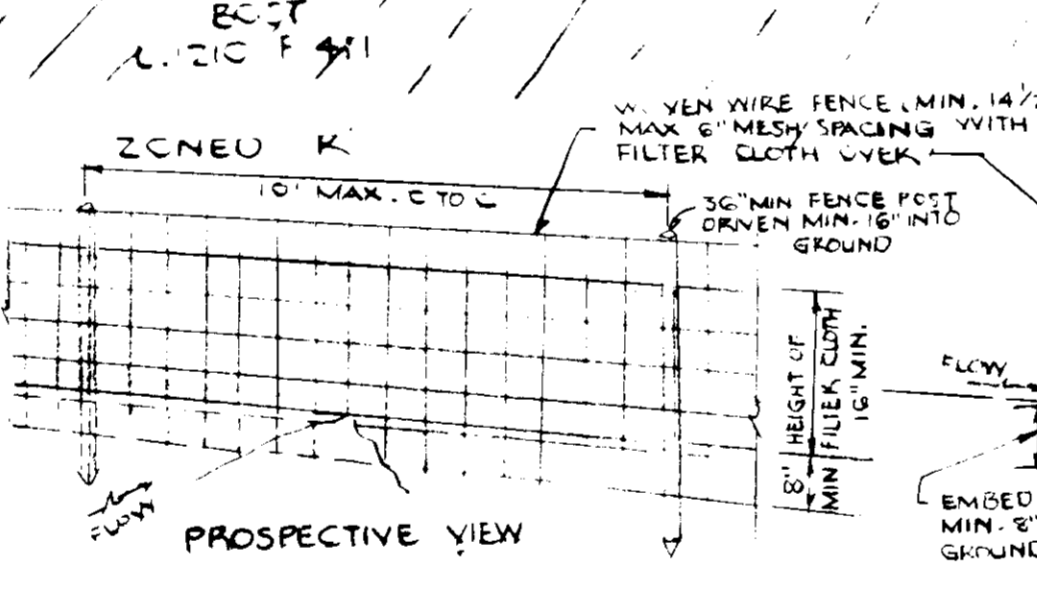
Seeding Preparation: Loosen upper 3 inches of soil by raking, disking or other acceptable means before seeding.

Soil Amendments: Apply 400 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq. ft.).

Seeding: For periods March 1 thru April 30 and from August 15 thru Nov. 15, seed with 24 lbs. per acre of annual ryegrass (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 and seed as soon as possible in the spring.

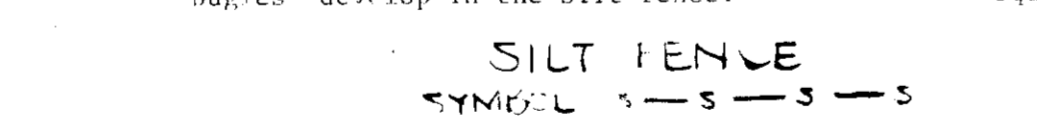
Mulching: Apply 14 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 20 gal. per acre (8 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 348 gal. per acre (8 gal./1000 sq. ft.) for anchoring.

Maintenance: Track all seeded areas and make needed repairs, replacements and reseedings.



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

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 "bubbles" develop in the silt fence.

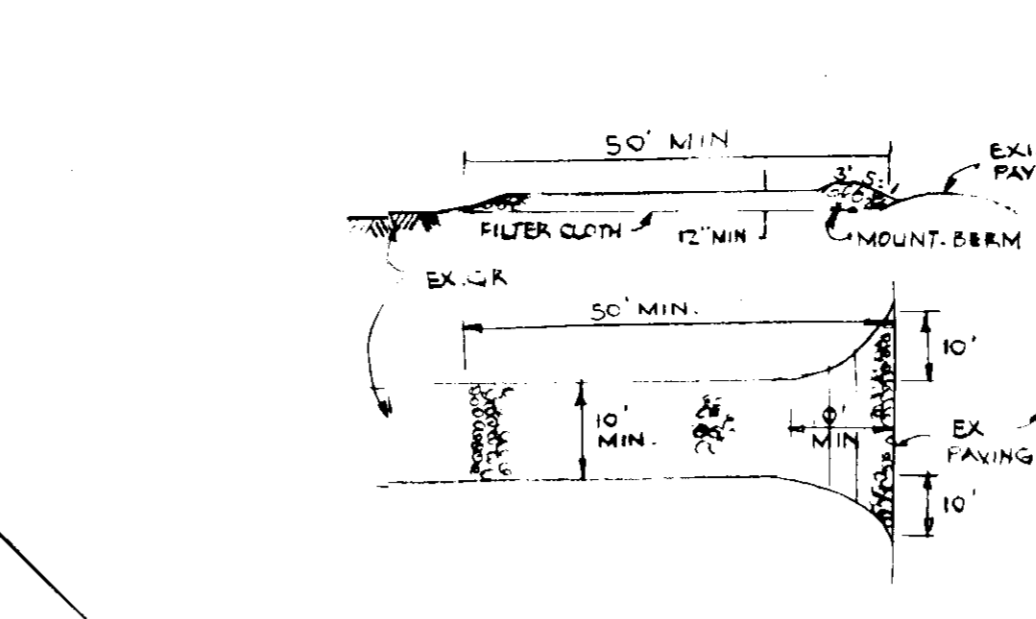


"I/We certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project.

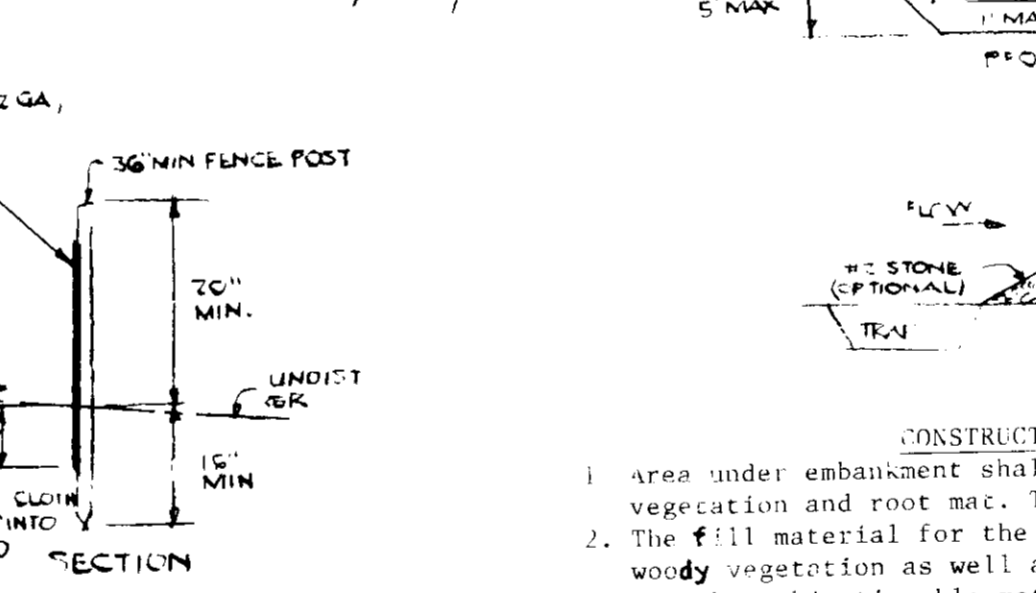
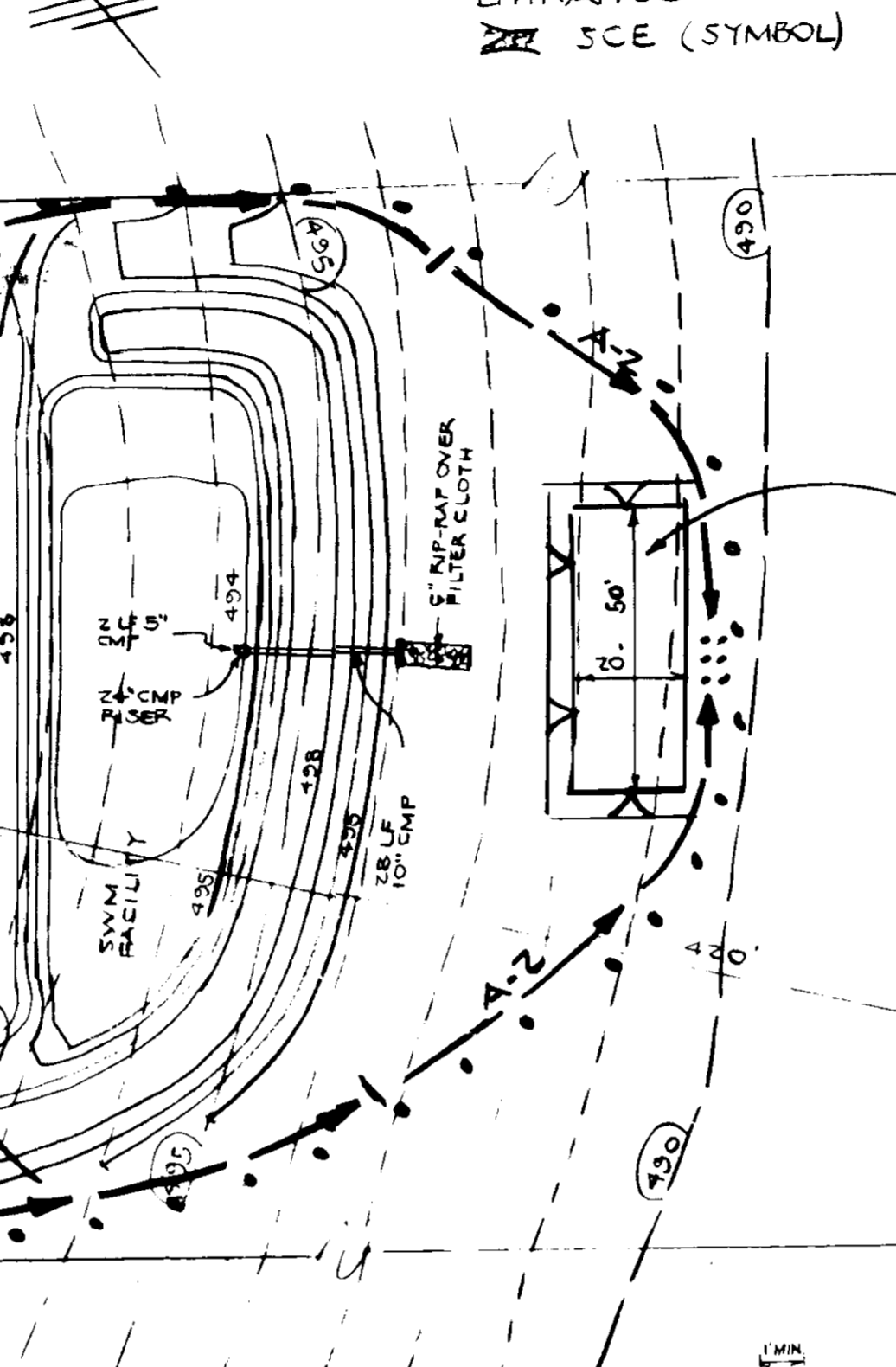
also authorize periodic on-site inspections by the Howard Soil Conservation District."

DEVELOPER: *Robert C. Bost* 12-9-86
DATE

ENGINEER: *Stephen J. ...* 6-12-87
DATE



STONE OUTLET SEDIMENT TRAP - ST-V
DRAIN AREA 1.5 AC.
VOL. REQ. 1.5 x 1800 = 2700 CF
VOL. PROV. 2700 CF
SIZE (BOT. MIN.) 20' x 50'
CREST OF WEIR 421.5
BOT. OF TRAP 487.8
WIDTH OF STONE OUTLET - 6'



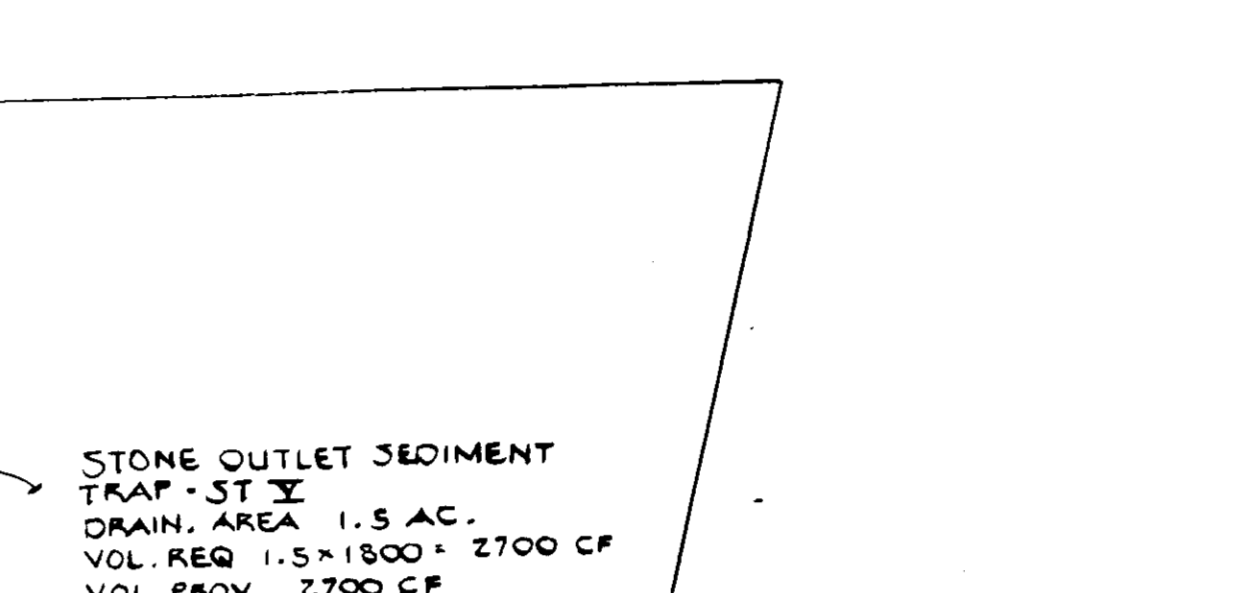
CONSTRUCTION SPECIFICATION FOR ST-V

1. Area under embankment shall be cleared, grubbed and stripped of all 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 traveling 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 rip-rap 4" x 8" along with a 1" thickness of 2" aggregate placed on the up-grade side on the small rip-rap or embedded filter cloth in the rip-rap.
5. Sediment shall be removed and trap restored to its original dimensions when sediment has accumulated to 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.

OWNER & DEVELOPER
ROBERT C. & VIRGINIA E. BOST
17301 KENTBURY DRIVE
CLARKSVILLE, MO. 21020
DEED REF. 1210 F. 411

ENGINEER
HOOKINS ASSOCIATES, INC.
200 E. JOPPA ROAD
TOWSON, MD. 21204
826-3060

- CONSTRUCTION SPECIFICATION**
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 or egress occurs.
 5. Filter cloth - Will be placed over the entire area prior to placement of stone. Filter will not be required on a single family residence lot.
 6. Surface water - All surface water (flowing or diverted toward residence) shall be piped across the entrance. If construction entrances shall be built across the entrance, if piping is impractical, a mounded 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 used maintenance shall be provided after each rain.



CONSTRUCTION SPECIFICATIONS

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. EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. FLOWERS 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.
5. 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	CHANNEL GRADE	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 JUTE, OR EXCELSTOR; SOD; 2\"/>

TYPE OF TREATMENT	CHANNEL GRADE	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 JUTE, OR EXCELSTOR; SOD; 2\"/>

ADDRESS CHART

LOT NUMBER	STREET ADDRESS

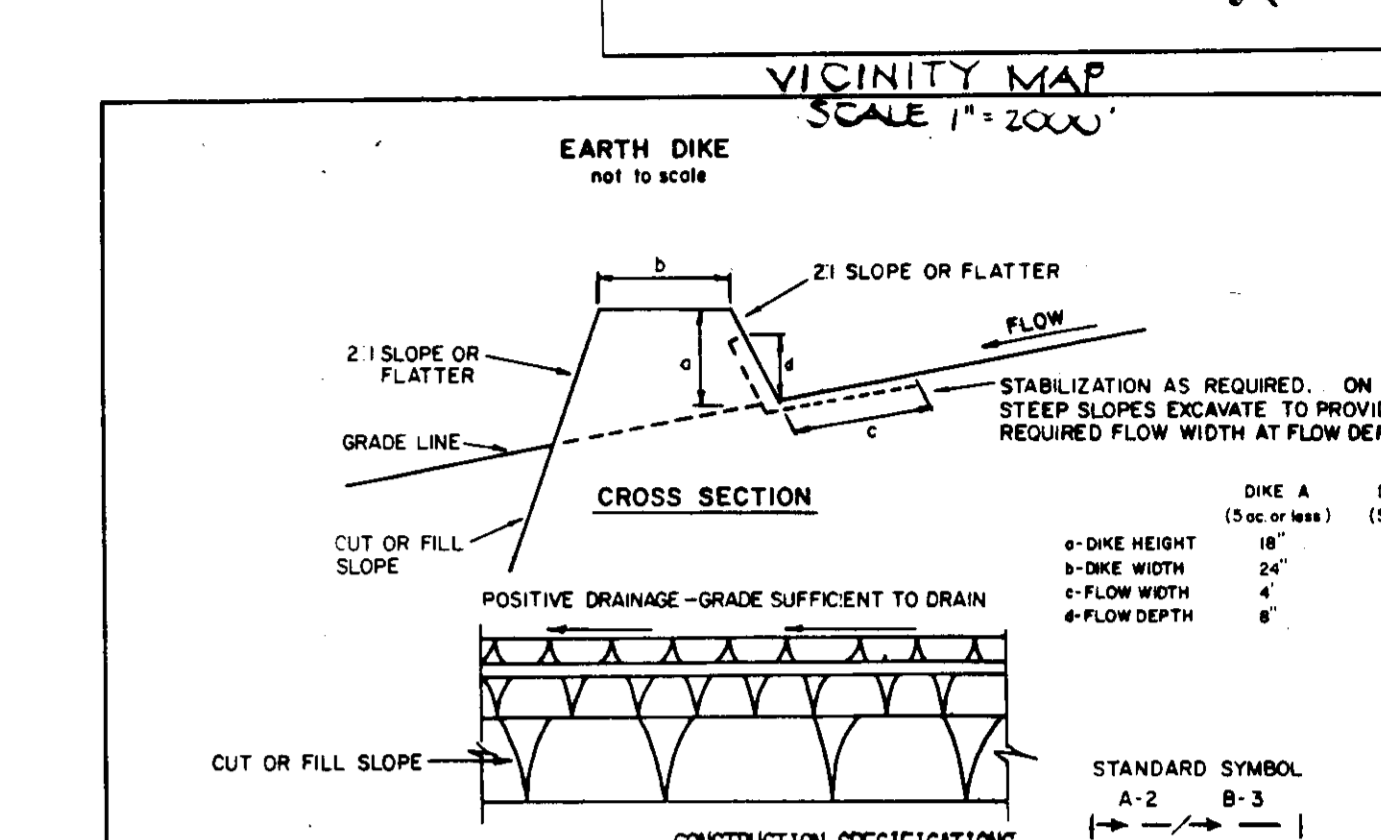
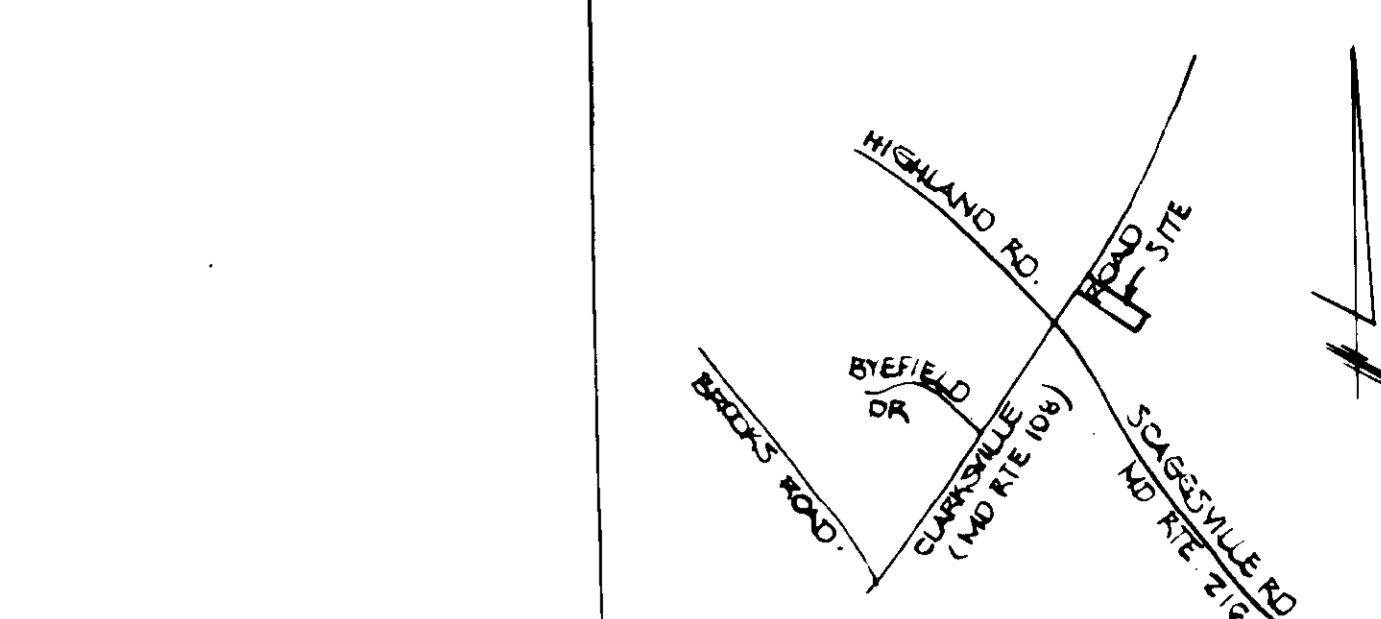
SUBMISSION NAME	SECT./AREA	MAP/PARCEL
PLAT/GR/LF	ZONE R	TAX MAP 40 PARCEL 74
WATER CODE	40	5
SEWER CODE		

SEDIMENT CONTROL PLAN
U.S. POST OFFICE BUILDING
BOST PROPERTY (T.M. 40, P. 74)
S.E. SIDE MD. RTE. 108
ELECTION DISTRICT 5
HOWARD CO., MARYLAND
SCALE 1" = 30'

TAX MAP 40
PARCEL 74

WISDOM IN
PLANNING
DATE 4-21-87

REV. 5-21-87; 5-5-87
SHEET 2 OF 2



1. ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
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SUBMISSION NAME	SECT./AREA	MAP/PARCEL
PLAT/GR/LF	ZONE R	TAX MAP 40 PARCEL 74
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LOT NUMBER	STREET ADDRESS

SEDIMENT CONTROL PLAN
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HOWARD CO., MARYLAND
SCALE 1" = 30'

TAX MAP 40
PARCEL 74

WISDOM IN
PLANNING
DATE 4-21-87

REV. 5-21-87; 5-5-87
SHEET 2 OF 2