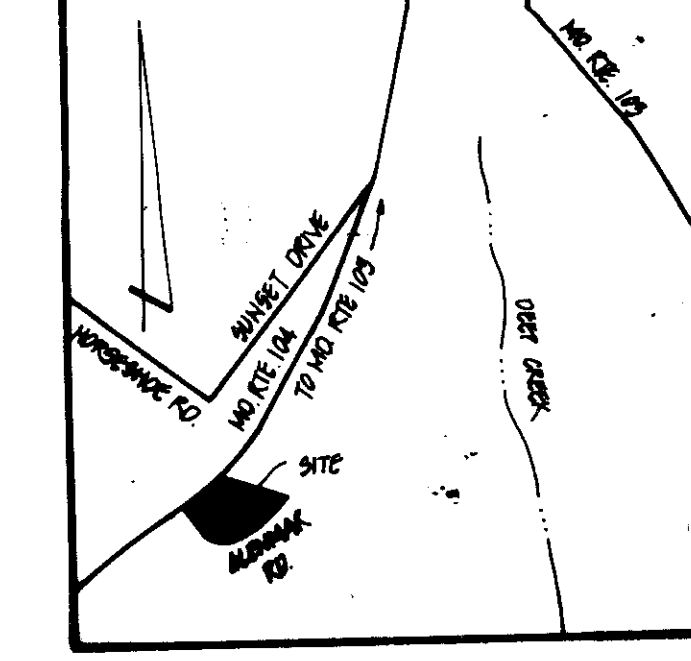
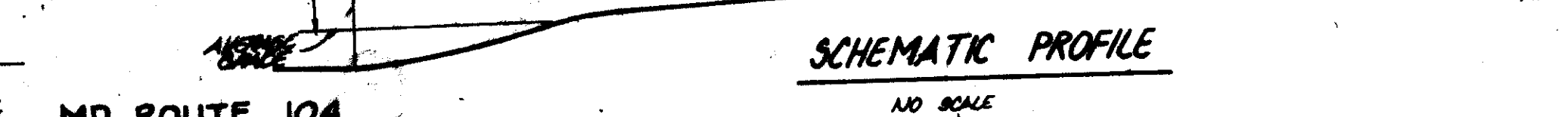
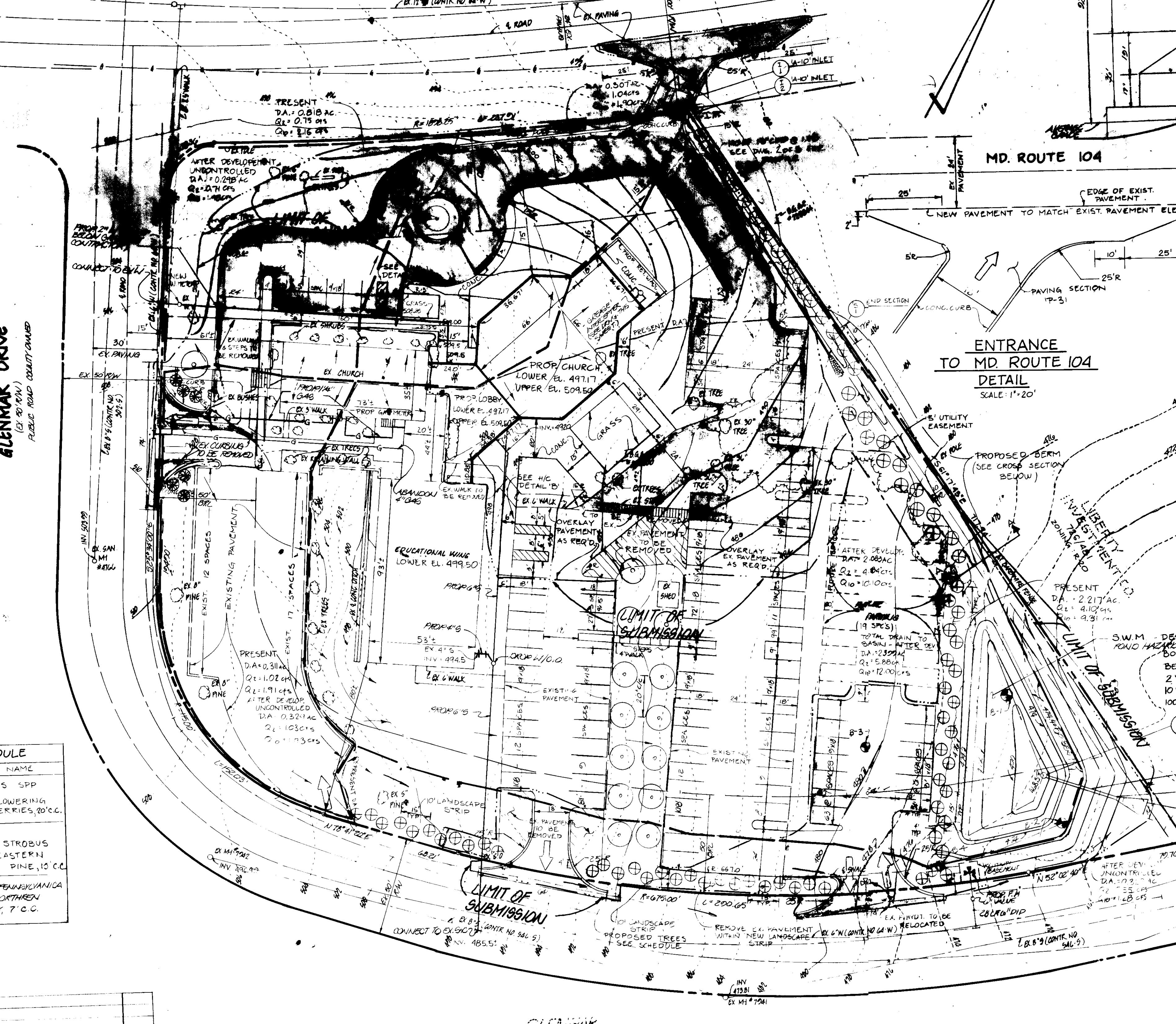


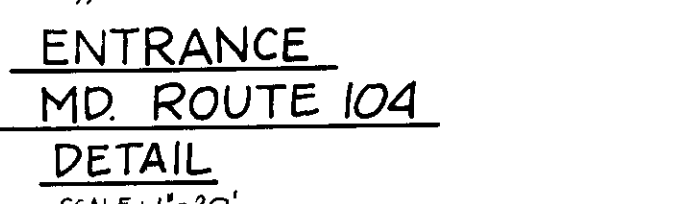
MD. ROUTE 104
EX. HWY. 470 (PARK OWNED)
PUBLIC ROAD



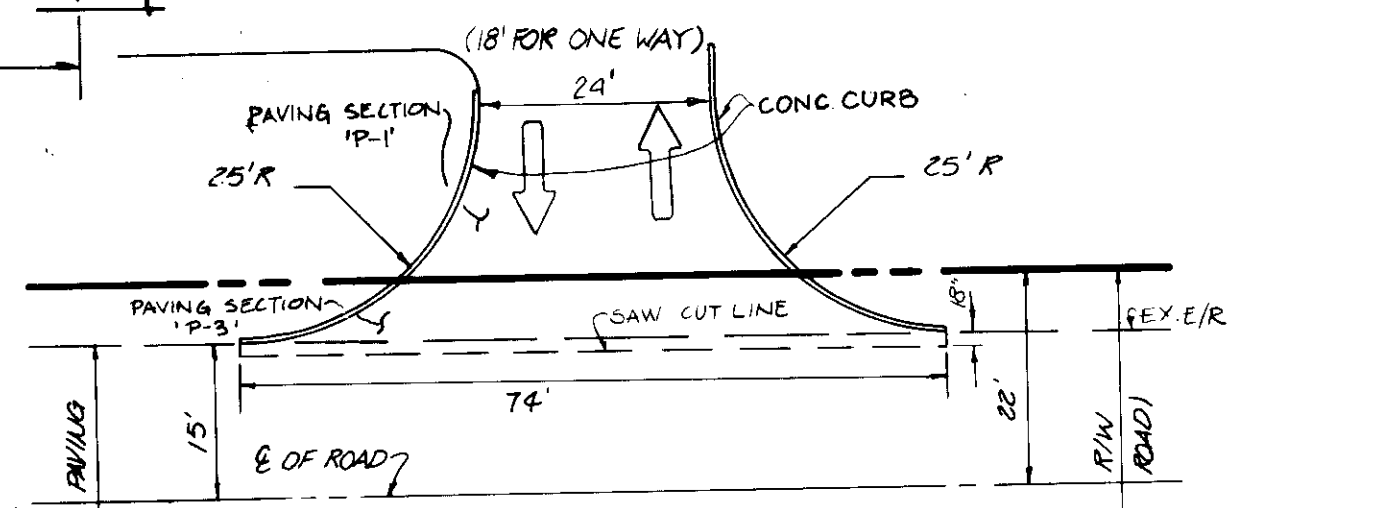
VICINITY MAP
SCALE: 1" = 100'



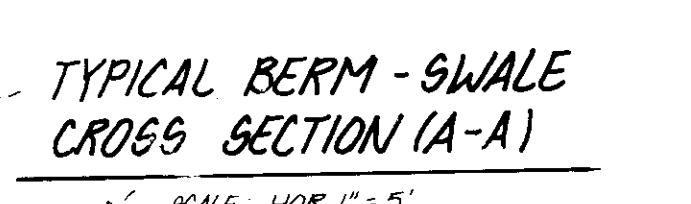
SCHEMATIC PROFILE
NO SCALE



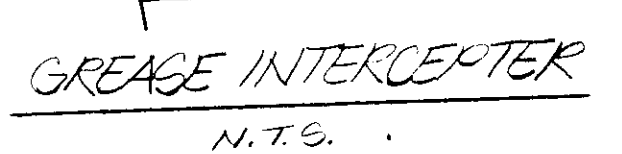
ENTRANCE TO MD ROUTE 104 DETAIL
SCALE: 1" = 20'



TYPICAL ENTRANCE DETAIL
SCALE: 1" = 20'



TYPICAL BERM-SWALE CROSS SECTION (A-A)
SCALE: HOR. 1" = 5', VERT. 1" = 2'



GREASE INTERCEPTOR
N.T.S.

GENERAL NOTES

1. TAX MAP: 31, PARCEL: 302
2. ORSD REFERENCE: PLAT BOOK 4, FOLIO 53
3. EX. ZONING: R-20. SEE BOARD OF APPEALS CASE NO. (06-546)
4. TOTAL AREA OF SITE: 3.246 AC.
5. PROPOSED SITE USE: CHURCH FACILITIES
6. PUBLIC WATER AND PUBLIC SEWERAGE TO BE UTILIZED?
7. ALL DRIVE DRIVEWAYS AND PARKING AREAS ARE PRIVATE.
8. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS.
9. MD. ROUTE 104 AND GLENMAR ROAD ARE EXISTING, PUBLIC ROADS.
10. ANY DAMAGE TO COUNTY AND STATE RIGHT-OF-WAYS SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
11. CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK.
12. CONTRACTOR TO NOTIFY MISS UTILITY AT 1-800-210-0100 AT LEAST FIVE (5) DAYS PRIOR TO BEGINNING CONSTRUCTION.
13. THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE UNCONSTRUCTION INSPECTION DIVISION OF HOWARD COUNTY AT 792-7772 AT LEAST 24 HOURS PRIOR TO BEGINNING CONSTRUCTION.
14. TOPOGRAPHY SHOWN HEREON IS BASED ON AN ACTUAL SURVEY PREPARED BY BOONER ASSOCIATES IN MARCH, 1987.
15. HORIZONTAL AND VERTICAL DATUM SHOWN HEREON IS BASED ON HOWARD COUNTY CENTRAL STATIONS SYSTEM AND THUSIDE.

SITE ANALYSIS

1. AREA OF PARCEL: 3.246 AC.
2. EXISTING ZONING: R-20. SEE BOARD OF APPEALS CASE NO. (06-546)
3. FLOOR LOADS PER LEG:

| EXISTING | CHURCH | 5,250 SQ. FT. |
|---|---|-----------------------|
| EDUCATIONAL WING | 9,805 SQ. FT. | |
| CONNECTING LINK | 1,260 SQ. FT. | |
| TOTAL EXIST. | 16,315 SQ. FT. | |
| PROPOSED | CHURCH & LOBBY | 12,040 SQ. FT. |
| | EDUCATIONAL WING | 9,805 SQ. FT. |
| | EX. CHURCH COL. TO EDUCATIONAL | 5,250 SQ. FT. |
| | CONNECTING LINK | 1,260 SQ. FT. |
| | TOTAL | 28,355 SQ. FT. |
| 4. EDUCATIONAL WING OF THE EXISTING CHURCH USED FOR CHURCH SUNDAY SCHOOL & MORNING ONLY NURSERY SCHOOL (40 CHILDREN IN DAY SCHOOL, 40 FUTURE) | | |
| 5. PARKING REQUIREMENTS: | 380 SEATS @ 1 SPACE PER 3 SEATS = 125 SPACES | |
| 6. PARKING PROVISIONS: | 128 SPACES - 29 EXISTING INCLUDING 15 HANDICAPPED | |
| 7. PARKING AREA: | 32,940 SQ. FT. EXISTING, 25,875 SQ. FT. PROPOSED | |
| 8. BUILDING COVERAGE: | 8,274 SQ. FT. EXISTING, 5,805 SQ. FT. PROPOSED | |
| | TOTAL 14,079 SQ. FT. = 0.323 AC. OR 9.95% | |
| 9. OPEN SPACE: 1.573 AC. OR 48.45% | | |
| 10. LANDSCAPE ISLANDS: | 8,765 SQ. FT. OR 12.97% | |
| 11. ASPHALT PAVEMENT SHOWING AS | | |

LANDSCAPE SCHEDULE

| SYMBOL | QUANTITY | PLANT NAME |
|--------|----------|--|
| ○ | 15 | PRUNUS SPP 6'-8" FLOWERING CHERRIES, 20" C.C. |
| ⊕ | 22 | PINUS STROBUS 5'-6" EASTERN WHITE PINE, 10" C.C. |
| ⊗ | 6 | MYRTICA PENNSYLVANICA 2'-2 1/2" NORTHERN BAYBERRY, 7" C.C. |

ADD GREASE INTERCEPTOR DETAIL
DATE: 5-3-88

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
COUNTY HEALTH OFFICER: [Signature] DATE: 5-3-88

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
PLANNING DIRECTOR: [Signature] DATE: 5/19/88

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
DIRECTOR: [Signature] DATE: 4-21-88

12-31-87

GLENMAR
PLAT BOOK 4, FOLIO 53
ZONING: R-20

DEVELOPER'S CERTIFICATE
I, the undersigned, 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 during the construction project. I will provide the HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE FOND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

DEVELOPER: [Signature] DATE: 7/21/87

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

U.S. CONSERVATION SERVICE
DATE: 4/22/88

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

HOWARD SOIL CONSERVATION DISTRICT DATE: []

ADDRESS CHART

| PARCEL NUMBER | STREET ADDRESS |
|---------------|--|
| 267 | 1830 GLENMAR RD ELLCOTT CITY, MD. 21043 |

SUBDIVISION NAME
GLENMAR UNITED METHODIST CHURCH

| PLAN OR LOT | BLOCK | ZONE | TAXING MAP | EX. DIST. | CONSD. TR. |
|-------------|-------|------|------------|-----------|------------|
| 4/53 | 18 | R-20 | 31 | 197 | 601 |

SITE DEVELOPMENT PLAN

PROJECT: GLENMAR UNITED METHODIST CHURCH

LOCATION: PARCEL 267, ORSD REF. PLAT BOOK 4, FOLIO 53

DESIGNED BY: EUA
DRAWN BY: J.C.O.
CHECKED BY: L.D.
DATE: APRIL, 1987

FIELD BOOK: 90
PAGE NO: 11, 99
JOB NO: 0680
DRAWING NO: 1 OF 3

OWNER & DEVELOPER
WILLIAM E. WINTER
GLENMAR UNITED METHODIST CHURCH
2625 GREEN MOON PATH
COLUMBIA, MARYLAND

boender associates
consulting engineers
land surveyors
land planners

COURTHOUSE SQUARE
3565 ELLICOTT CITY, MD. 21043
(301) 485-7777

SDP-88-41

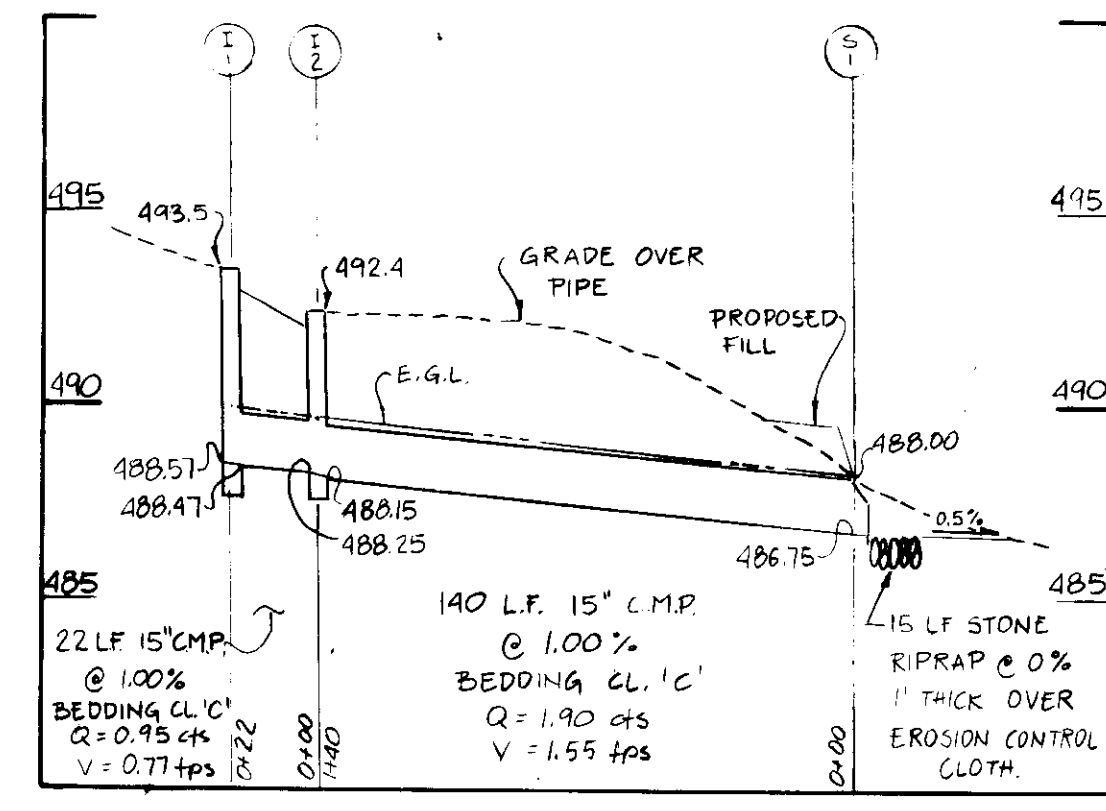
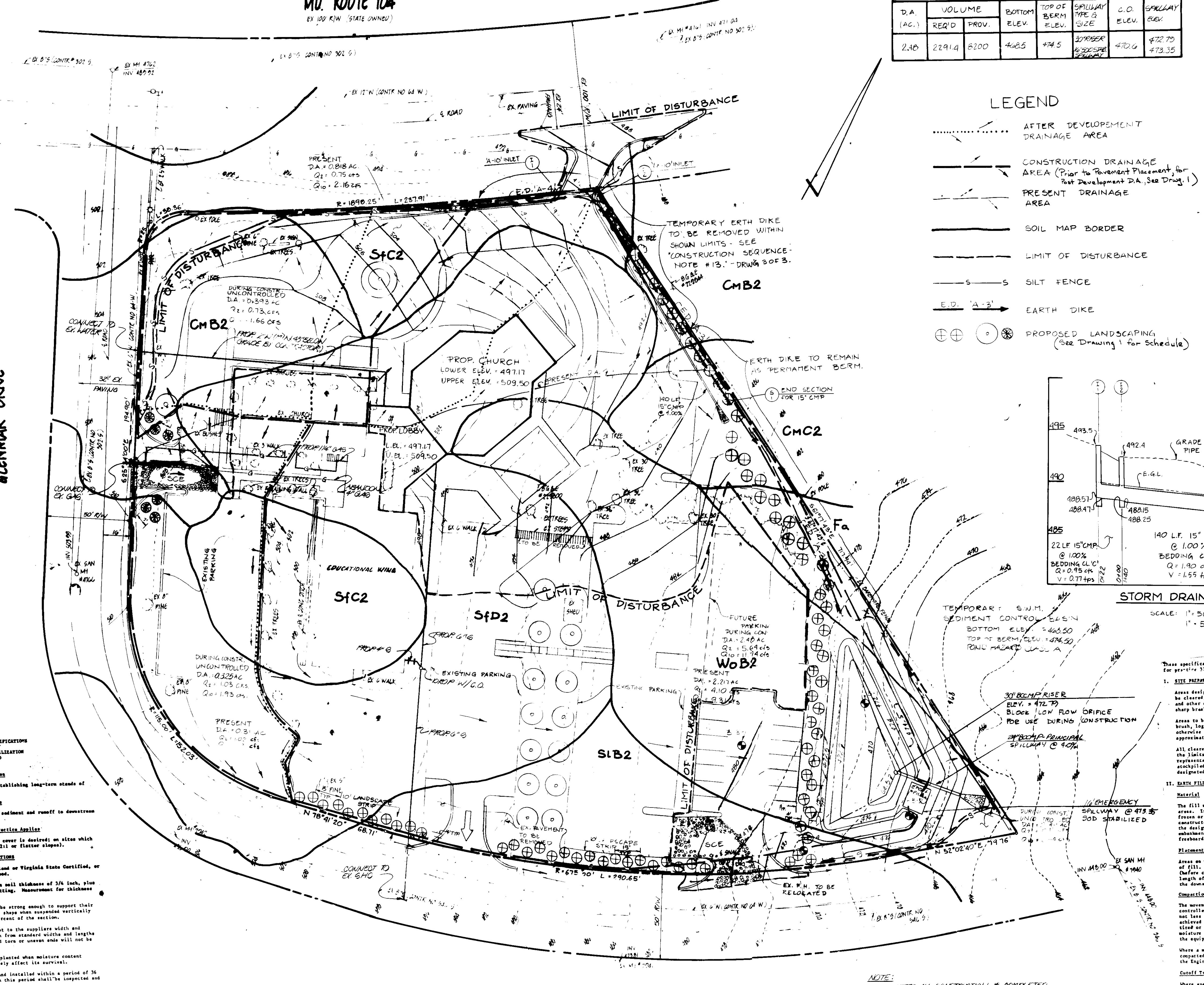
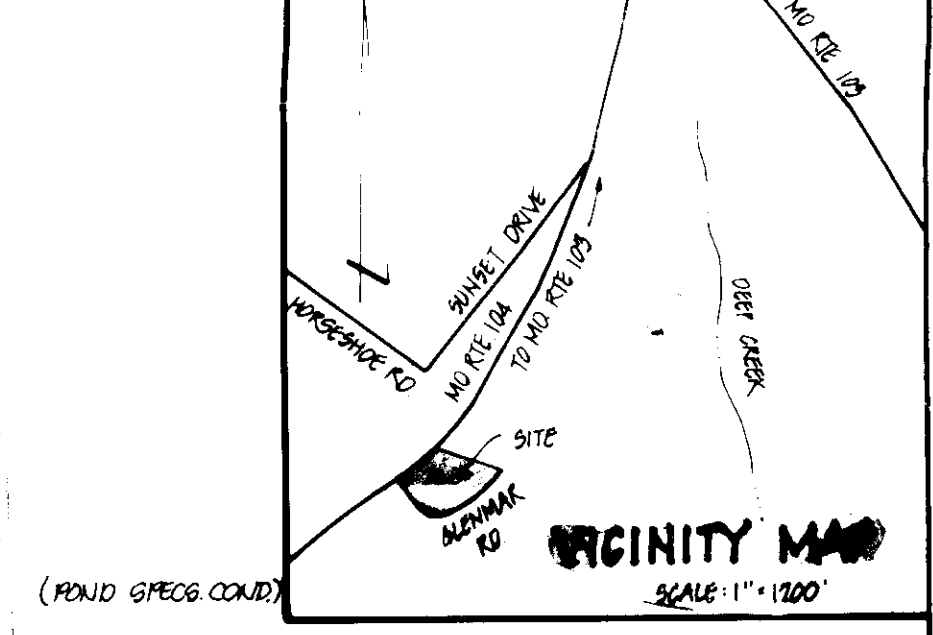
MD. ROUTE 104
EX 100 R/W (STATE OWNED)

TEMP. SW.M. & SEDIMENT BASIN SCHEDULE

| D.A. (AC.) | VOLUME REQ'D | BOTTOM PROV. ELEV. | TOP OF BERM ELEV. | SPILLWAY TYPE & SIZE | C.O. ELEV. | SPILLWAY ELEV. |
|------------|--------------|--------------------|-------------------|----------------------|------------|----------------|
| 2.10 | 2291.4 | 6200 | 4685 | 474.5 | 30' ROVER | 470.6 |
| | | | | | | 473.35 |

LEGEND

- AFTER DEVELOPMENT DRAINAGE AREA
- CONSTRUCTION DRAINAGE AREA (Prior to Pavement Placement, for Post Development DA, See Drawing 1)
- PRESENT DRAINAGE AREA
- SOIL MAP BORDER
- LIMIT OF DISTURBANCE
- S --- S SILT FENCE
- E D --- EARTH DIKE
- ⊕ ⊕ ⊕ PROPOSED LANDSCAPING (See Drawing 1 for Schedule)



STORM DRAIN PROFILE
SCALE: 1" = 50' HORIZ.
1" = 5' VERT. SOIL CONSERVATION SERVICE

- These specifications are appropriate to ponds within the scope of the Standard for practice 378.
- SITE PREPARATION**
Areas designated for borrow areas, embankment, and structural works shall be cleared, grubbed and stripped of all trees, brush, stumps, and other objectionable material. Channel banks and sharp breaks shall be sloped to no steeper than 1:1.
Areas to be covered by the pond or reservoir will be cleared of all trees, brush, logs, fences, rubbish and other objectionable material unless otherwise designated on the plans. Trees, brush and stumps shall be cut approximately level with the ground surface.
All cleared and grubbed materials shall be disposed of outside and below the limits of the dam and reservoir as directed by the owner or his representative. When specified, a sufficient quantity of topsoil will be stockpiled in a suitable location for use on the embankment and other designated areas.
 - EARTH FILL**
Material
The fill material shall be taken from approved designated borrow area or areas. It shall be free of roots, stumps, wood, rubbish, oversize stones, frozen or other objectionable material. The embankment shall be constructed to an elevation which provides for anticipated settlement to the design elevation. The fill shall also be compacted to provide adequate support. The embankment shall be increased above the design elevation (including freeboard) as shown on the plans.
Placement
Areas on which fill is to be placed shall be certified prior to placement of fill. Fill material shall be placed in 8-inch maximum thickness (before compaction) layers which are to be continuous over the entire length of the fill. The most porous borrow material shall be placed in the downstream portions of the embankment.
Compaction
When a minimum required density is specified, each layer of fill shall be compacted as necessary to obtain that density and is to be certified by the Engineer.
Cutoff Trench
Where specified, a cutoff trench shall be excavated along or parallel to the exterior of the embankment as shown on the plans. The bottom width of the trench shall be as shown on the drawings, with the minimum width being four feet. The depth shall be at least four feet as shown on the plans. The side slopes of the trench shall be 1 to 1 or flatter. The backfill material for the cutoff trench shall be the most impervious material available and shall be compacted with equipment or rollers to assure maximum density and minimum permeability.

- CONCRETE**
- Materials**
 - Cement - Normal Portland cement shall conform to the latest ASTM Specification C-150.
 - Water - The water used in concrete shall be clean, free from oil, acid, alkali, saline, organic matter or other objectionable substances.
 - Sand - The sand used in concrete shall be clean, hard, strong and durable, and shall be well graded with 100 percent passing a No. 20 sieve and retaining on a No. 40 sieve not more than 25 percent. Limestone sand shall not be used.
 - Coarse Aggregate - The coarse aggregate shall be clean, hard, strong and durable, and free from clay or silt. It shall be well graded with a maximum size of one and one-half (1-1/2) inches.
 - Reinforcing Steel - The reinforcing steel shall be deformed bars of Intermediate grade (55) steel or rail steel conforming to ASTM Specification A615.
 - Design Mix - The concrete shall be mixed in the following proportions, measured by weight: The water-cement ratio shall be 5-7/10 to 6-0/10. The ratio of water to cement shall be 112-1/2 to 115. The combination of water and cement shall be such that the concrete will be placed and consolidated without segregation. Excessive water requiring the addition of water to preserve the required consistency shall not be permitted. The use of admixtures will be allowed provided that the use of this method shall cover an equivalent of any applicable provisions of the specification given here.
 - Forms - The forms shall have sufficient strength and rigidity to hold the concrete and to withstand the necessary pressure, compaction, and vibration without deflection from the prescribed lines. They shall be water-tight and constructed so that they can be removed without hammering or prying against the concrete.
 - The inside of forms shall be oiled with a non-staining mineral oil or thoroughly wetted before concrete is placed.
 - Forms may be removed 24 hours after the placement of concrete. All wire ties and other devices used shall be removed from the surface of the concrete.
 - Reinforcing Steel - All reinforcing material shall be free of dirt, rust, scale, oil, paint or any other coatings. The steel shall be accurately placed and securely tied and braced into position so that no movement of the steel will occur during placement of concrete.
 - Consolidating - Concrete shall be consolidated with internal type mechanical vibrators. Vibration shall be supplemented by rodding and hand tamping as necessary to insure smooth and dense concrete at all form surfaces, in corners, and around embedded items.
 - Finishing - Defective concrete, honeycombed areas, voids left by the removal of the forms, edges on all concrete surfaces, compaction, and exposed to view or exposed to water on the finished structure, shall be repaired immediately after the removal of forms. The repair material shall be removed and completely filled with dry-patching mortar.
 - Protection and Curing - Exposed surfaces of concrete shall be protected from the direct rays of the sun for at least the first three (3) days. All concrete shall be kept continuously moist for at least ten (10) days after being placed. Moisture may be applied by spraying or sprinkling as necessary to prevent the concrete from drying. Concrete shall not be exposed to freezing during the curing period. During dampness may also be used.
 - Placing Temperature - Concrete shall not be placed at temperatures below 40 degrees Fahrenheit, or 30 degrees below the temperature of the rising.

- STRUCTURAL BACKFILL**
Backfill material shall be of the type and quality conforming to that specified for the adjoining fill material. The fill shall be placed in horizontal layers not to exceed four inches in thickness and compacted by hand tamper or other compaction equipment. The material needs to fill completely all spaces around and adjacent to the pipe and other structures. The backfilling operation shall be done in accordance with the design drawings. Under no circumstances shall equipment be driven over any part of a concrete structure or pipe unless there is a compacted fill of twenty-four inches or greater over the structure or pipe.
- PIPE CONDUITS**
All pipes shall be circular in cross section.
- Corrugated Metal Pipe**
 - Materials - (Steel Pipe) - This pipe and its appurtenances shall be galvanized and fully bituminous coated and shall conform to the requirements of ASTM Specification for 36" Dia. 48" High galvanized coupling bands. Any bituminous coating damage or otherwise removed shall be replaced with cold applied bituminous coating compound.
 - Connections - All connections with pipes must be completely watertight. The drain pipe or barrel connection to the riser shall be sealed all around with the pipe and other metal. Watertight coupling bands or flanges shall be used at all joints. Anti-rust collars shall be connected to the pipe in such a manner as to completely watertight. Simple bands are not considered to be watertight.
 - Bedding - The pipe shall be firmly and uniformly bedded throughout its entire length. Where rock or soft, spongy or other unstable soil is encountered, all such material shall be removed and replaced with suitable earth compacted to provide adequate support.
 - Laying pipe - The pipe shall be placed with inside circumferential laps pointing downstream and with the longitudinal laps at the sides.
 - Backfilling shall conform to structural backfill as shown above.
 - Other details (anti-rust collars, valves, etc.) shall be as shown on the drawings.
- STABILIZATION**
All borrow areas shall be graded to provide proper drainage and left in a slightly condition. All exposed surfaces of the embankment, spillway, and borrow areas, and forms shall be stabilized by seeding, liming, fertilizing and mulching (if required) in accordance with the vegetative treatment specifications or as shown on the accompanying drawings.
- EROSION AND SEDIMENT CONTROL**
Construction operations will be carried out in such a manner that erosion will be controlled and water and air pollution minimized. State and local laws concerning pollution abatement will be followed. Construction plans shall detail erosion and sediment control measures to be employed during the construction process.

STANDARD AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION WITH SOIL

Definition
Stabilizing erodible producing areas by establishing long-term stands of grass with soil.

Purposes
To stabilize the soil, reduce damage from sediment and runoff to downstream areas, enhance natural beauty.

Conditions Where Practice Applies
On exposed soils where a quick vegetative cover is desired on sites which can be maintained with ground cover (21 or flatter slopes).

SPECIFICATIONS

- Class of turfgrass and shall be approved or Virginia State Certified, or Maryland or Virginia State approved seed.
- Soil shall be machine cut at a uniform full thickness of 3/4 inch, plus or minus 1/8 inch, at the time of cutting. Measurements for thickness shall include top growth and thatch.
- Standard size sections of sod shall be strong enough to support their own weight and retain their size and shape when suspended vertically with a firm grasp on the upper 10 percent of the section.
- Individual pieces of sod shall be cut to the supplier width and length. Maximum allowable deviation from standard width and length shall be 3 percent. Broken pads and torn or uneven ends will not be acceptable.
- Sod shall not be harvested or transplanted when moisture content (necessity dry or wet) may adversely affect its survival.
- Sod shall be harvested, delivered and installed within a period of 36 hours. Sod not transplanted within this period shall be inspected and approved prior to its installation.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
DATE: 3-88

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
DATE: 4-27-88

APPROVED FOR ZONING ADMINISTRATION, HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
DATE: 12-31-87

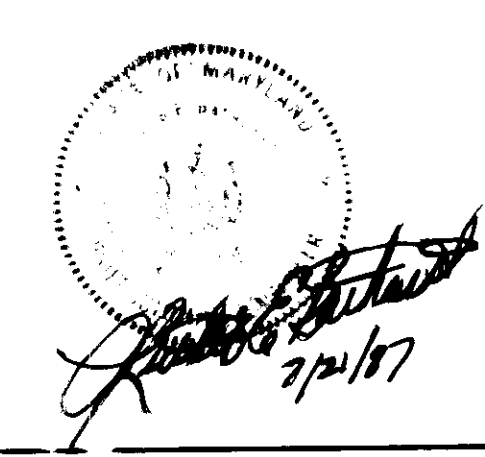
DEVELOPER'S CERTIFICATE
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF LAND DEVELOPMENT TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZED PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.
DATE: 9/3/87

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.
DATE: 4/22/88

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
DATE: 7/21/87

STRUCTURE SCHEDULE

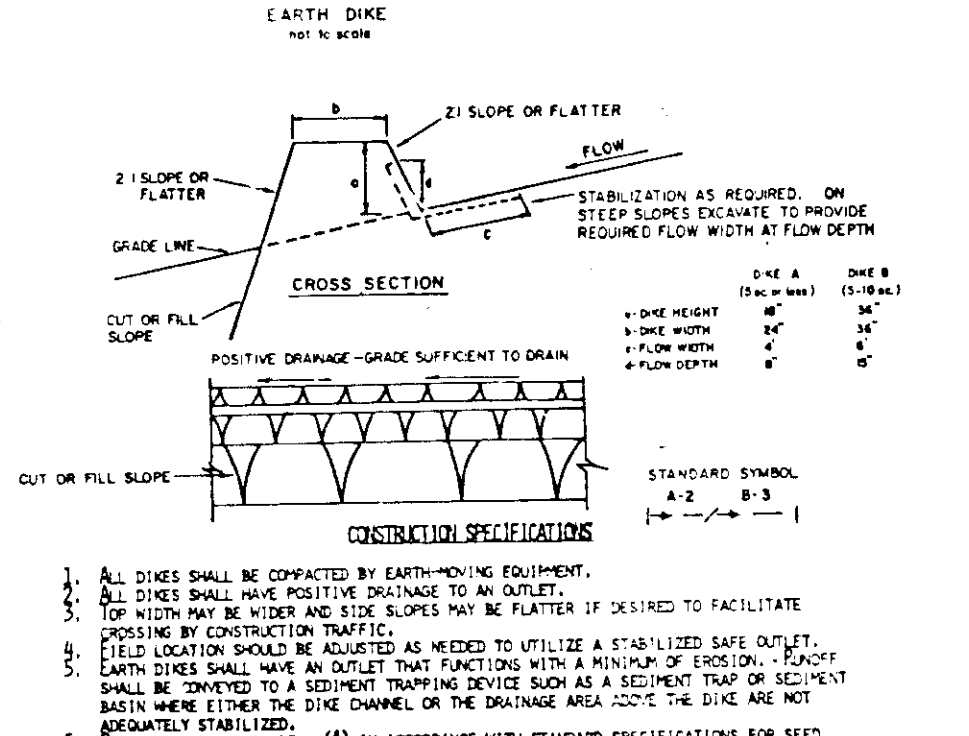
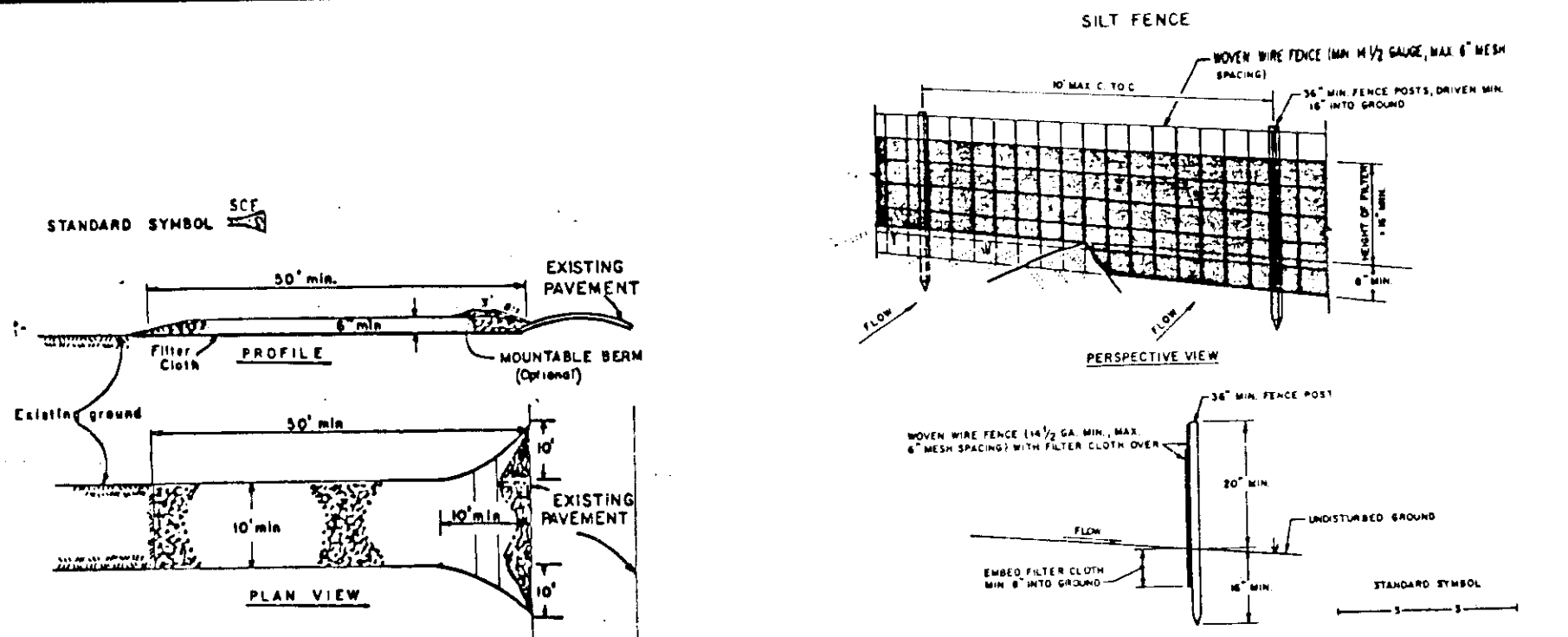
| NO. | TYPE | NO. CUT | NO. IN | TOP EL. | REMARKS |
|-----|-------------------|---------|--------|---------|---------------------------|
| I-1 | 1'-10" ON GRADE | 488.47 | 488.57 | 493.5 | HO.CO. STD. DET. SP. 4.02 |
| I-2 | 1'-10" ON GRADE | 488.15 | 488.25 | 492.4 | " |
| S-1 | METAL END SECTION | 486.75 | - | 488.00 | HO.CO. STD. DET. SP. 5.61 |



OWNER & DEVELOPER
WILLIAM E. WINTER
GLENNAR UNITED METHODIST CHURCH
5015 GREEN MOON PATH
DUMMERS, MARYLAND

boender associates inc.
consulting engineers
land surveyors
land planners
COURTHOUSE SQUARE
3565 ELLICOTT MILLS DRIVE
ELLICOTT CITY, MD 21043
301.468.7777

SDP-88-41



CONSTRUCTION SPECIFICATIONS

- Stone Size - Use 3" stones or equivalent or recycled concrete equivalent.
- Length - As required, but not less than 30 feet minimum length would apply.
- Thickness - Not less than 18" (18" minimum length would apply).
- Width - Not less than 18" foot minimum, but not less than the full width of the channel where located on a curve.
- Filter Cloth - Will be placed over the entire area prior to placing of stone.
- Surface Water - All surface water flowing or directed toward construction equipment shall be filtered through the structure. If the structure is a portable unit with 3/4" slots will be provided.
- Maintenance - The structure shall be maintained in a condition which will prevent flooding or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as mentioned above and repair and/or element of any measure used to keep sediment. All sediment will be removed from the structure and disposed of in a proper manner. Maintenance shall be performed as needed to ensure sediment prior to entrance onto public rights-of-way. When working is required, it shall be done on an area adjacent with stone or other material on approved sediment trap area.
- Periodic inspection and needed maintenance shall be provided after each rain.

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- When wire fence is to be fastened securely to fence posts with wire ties or staples.
- Filter cloth to be fastened securely to stone with wire ties spaced every 2' at top and no section.
- When top sections of filter cloth attach to dike they shall be overlapped by six inches and folded.
- Maintenance shall be performed as needed and material removed when needed to develop in the silt fence.

FLOW CHANNEL STABILIZATION

| TYPE OF TREATMENT | CHANNEL SIZE | DIKE A | DIKE B |
|-------------------|--------------|-----------------------------------|----------------------|
| 1 | 5-3' OR | SEED AND STRAW MULCH | SEED AND STRAW MULCH |
| 2 | 3-1.5' OR | SEED AND STRAW MULCH | SEED AND STRAW MULCH |
| 3 | 5-1.8' OR | SEED WITH JUTE, OR SOY BEAN STRAW | LINED RIP-RAP 4-8" |
| 4 | 8-1.2' OR | LINED RIP-RAP 4-8" | ENGINEERING DESIGN |

PREPARED UNIT: SEED, JUTE, STRAW, OR APPROVED EQUIVALENT.

NOTES:

- Stone to be 2 inch stone or recycled concrete equivalent in a layer at least 3 inches in thickness and be pressed into the soil with construction equipment.
- Rip-rap to be 8 inches in a layer at least 8 inches thickness and pressed into the soil.
- Approved equipment can be substituted for any of the above materials.
- Periodic inspection and required maintenance must be provided after each rain event.

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetation cover is to be established.

Soil Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

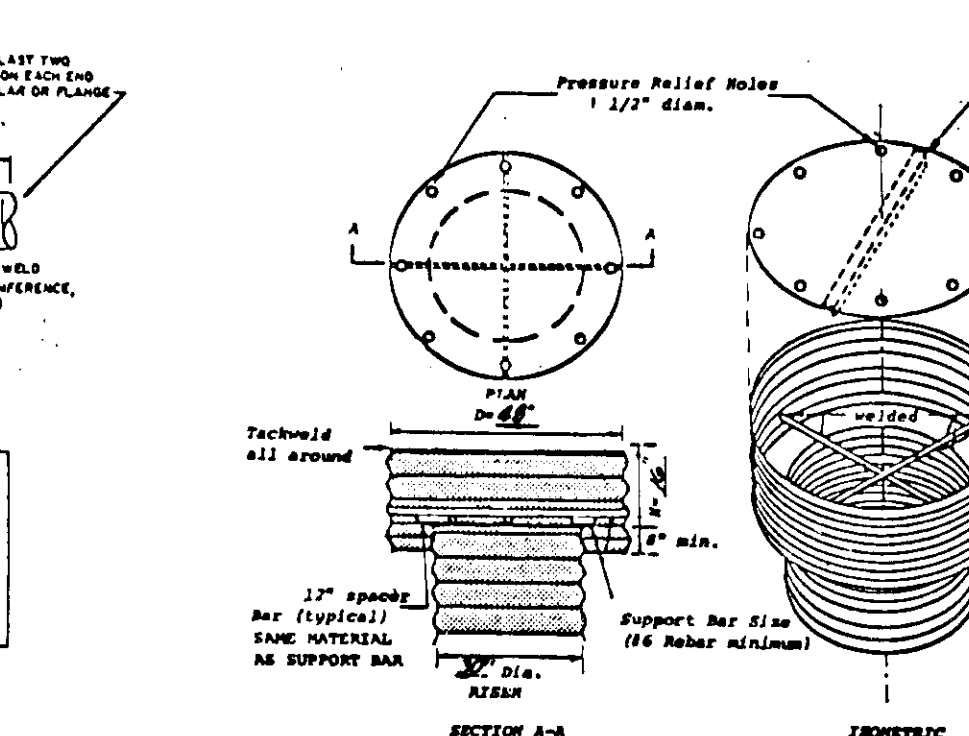
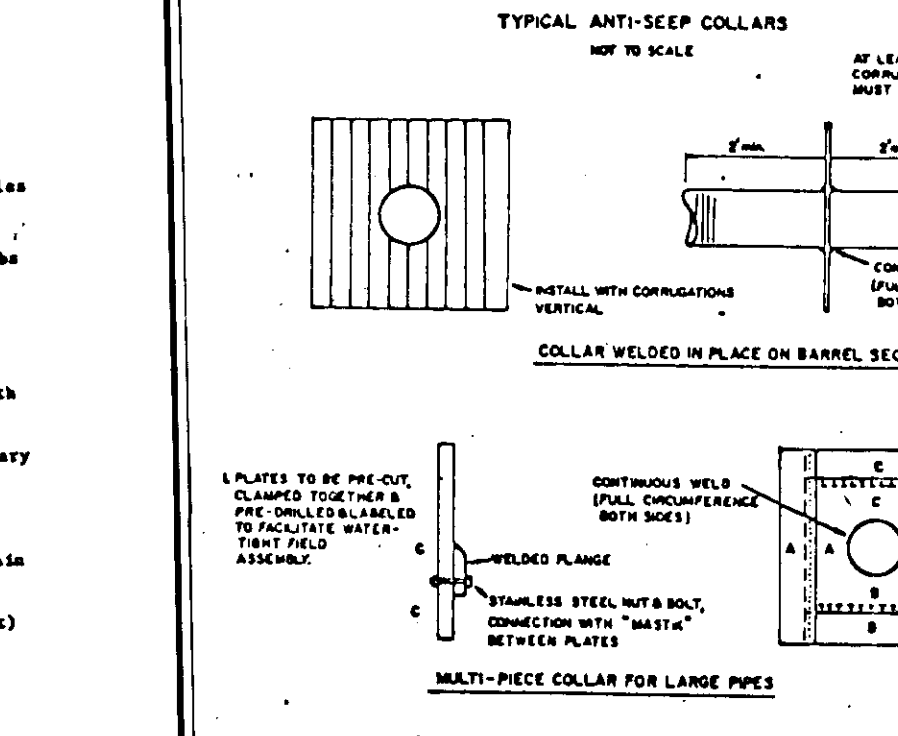
Seed Application: In lieu of soil test recommendations, use one of the following schedules:

- Preferred - Apply 2 tons per acre delimitic limestone (82 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (24 lbs/1000 sq ft) before seeding. Narrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 20-20-20 uniform fertilizer (19 lbs/1000 sq ft).
- Acceptable - Apply 2 tons per acre delimitic limestone (82 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (24 lbs/1000 sq ft) before seeding. Narrow or disc into upper three inches of soil.

Seeding - For the periods March 1 thru April 30, and August 1 thru October 15, seed with 50 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 per acre (1.1 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period October 16 thru February 28, plant site by: Option (1) 2 tons per acre of well composted straw mulch and seed 20, plant site by: Option (2) 2 tons per acre of well composted straw mulch and seed 20, plant site by: Option (3) Use soil. Option (3) seed with 50 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well composted straw mulch.

Mulching - Apply 1/2 to 1 ton per acre (70 to 90 lbs/1000 sq ft) of untreated small grain straw immediately after seeding. Another mulch immediately after application using which anchoring mulch of 2/8 pellets per acre (5 gal/1000 sq ft) of unmodified asphalt on flat areas. On slopes 8 feet or higher, use 3/8 pellets per acre (8 gal/1000 sq ft) for anchoring.

Maintenance - Inspect all seeded areas and make needed repairs, replacements and reseedings.



TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be disturbed where a short-term vegetation cover is needed.

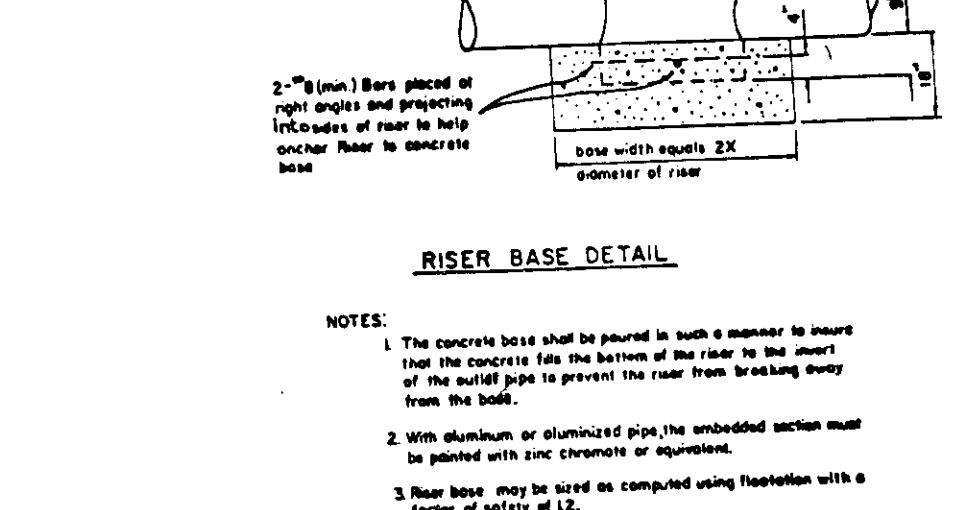
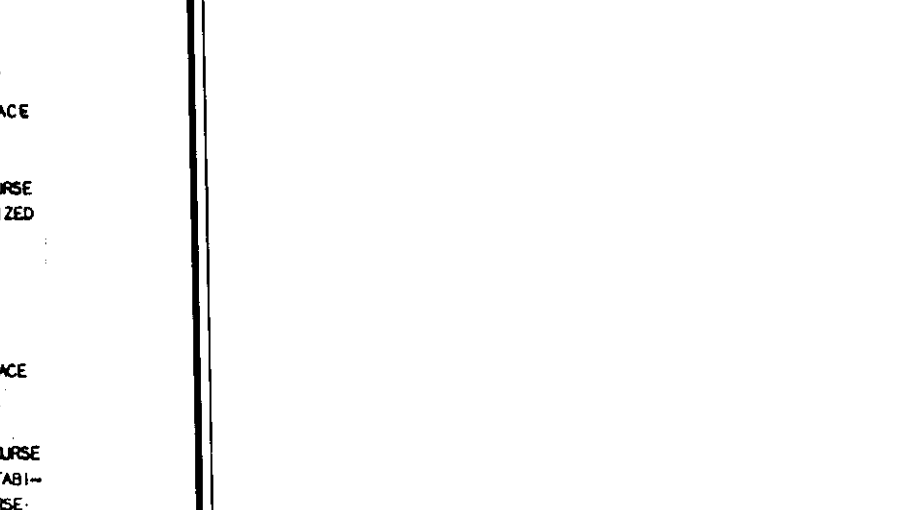
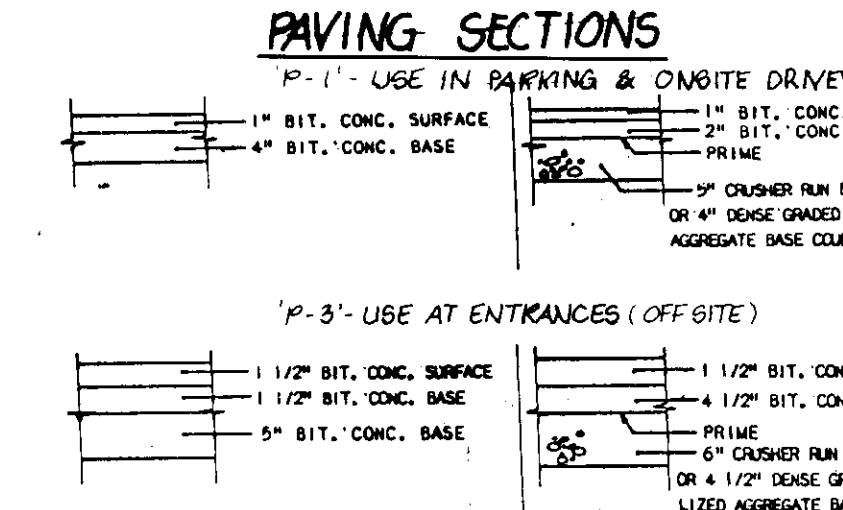
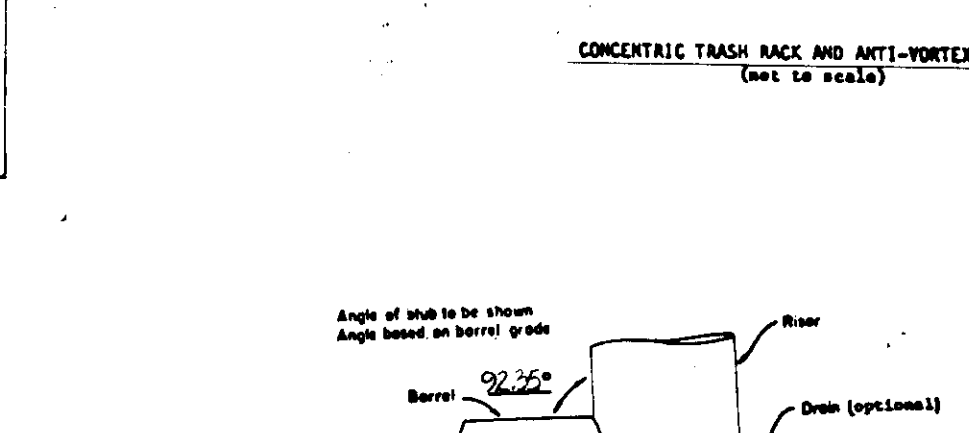
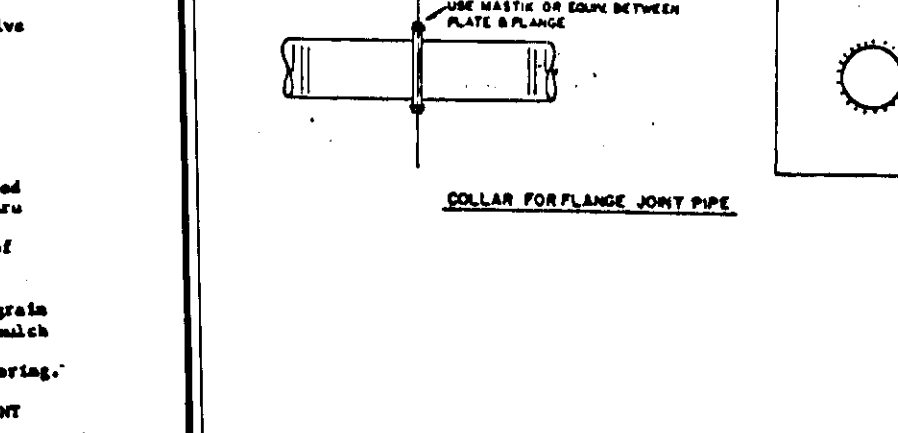
Soil Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

Seed Application: Apply 500 lbs per acre 10-10-10 fertilizer (24 lbs/1000 sq ft).

Seeding - For the periods March 1 thru April 30, and August 1 thru October 15, seed with 20 lbs per acre (0.5 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 15 lbs per acre (0.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period October 16 thru February 28, plant site by: Option (1) 2 tons per acre of well composted straw mulch and seed 20, plant site by: Option (2) 2 tons per acre of well composted straw mulch and seed 20, plant site by: Option (3) Use soil. Option (3) seed with 50 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well composted straw mulch.

Mulching - Apply 1/2 to 1 ton per acre (70 to 90 lbs/1000 sq ft) of untreated small grain straw immediately after seeding. Another mulch immediately after application using which anchoring mulch of 2/8 pellets per acre (5 gal/1000 sq ft) of unmodified asphalt on flat areas. On slopes 8 feet or higher, use 3/8 pellets per acre (8 gal/1000 sq ft) for anchoring.

Maintenance - Inspect all seeded areas and make needed repairs, replacements and reseedings.



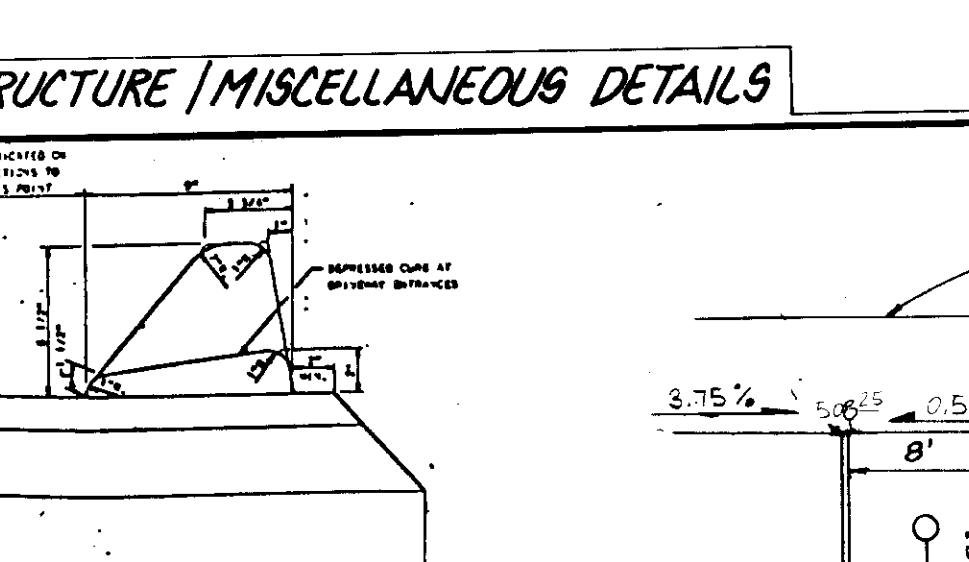
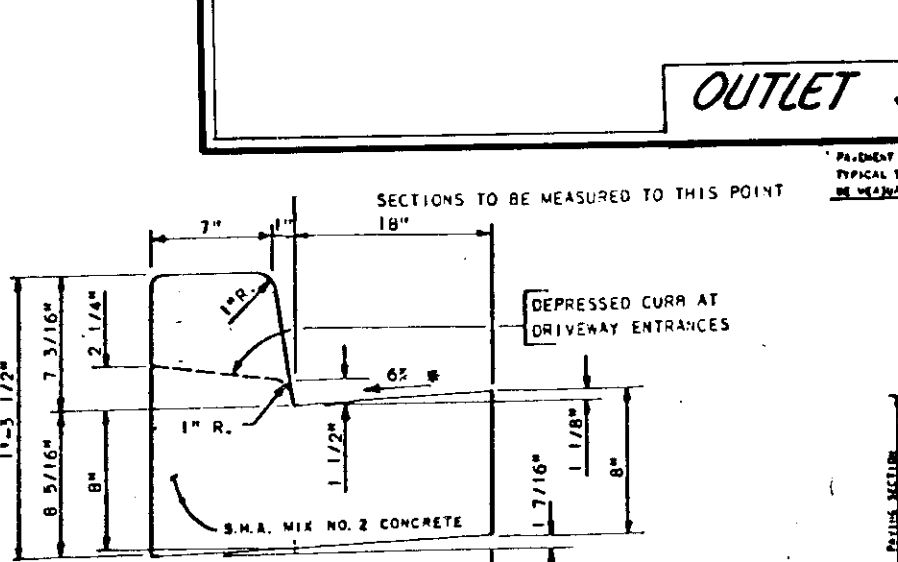
THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

U.S. CONSERVATION SERVICE

DATE: 4/22/88

HOWARD SOIL CONSERVATION DISTRICT

DATE: 4/22/88



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

DATE: 5-3-88

APPROVED FOR HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

DATE: 5-3-88

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

DATE: 4-29-88

DEVELOPER'S CERTIFICATE

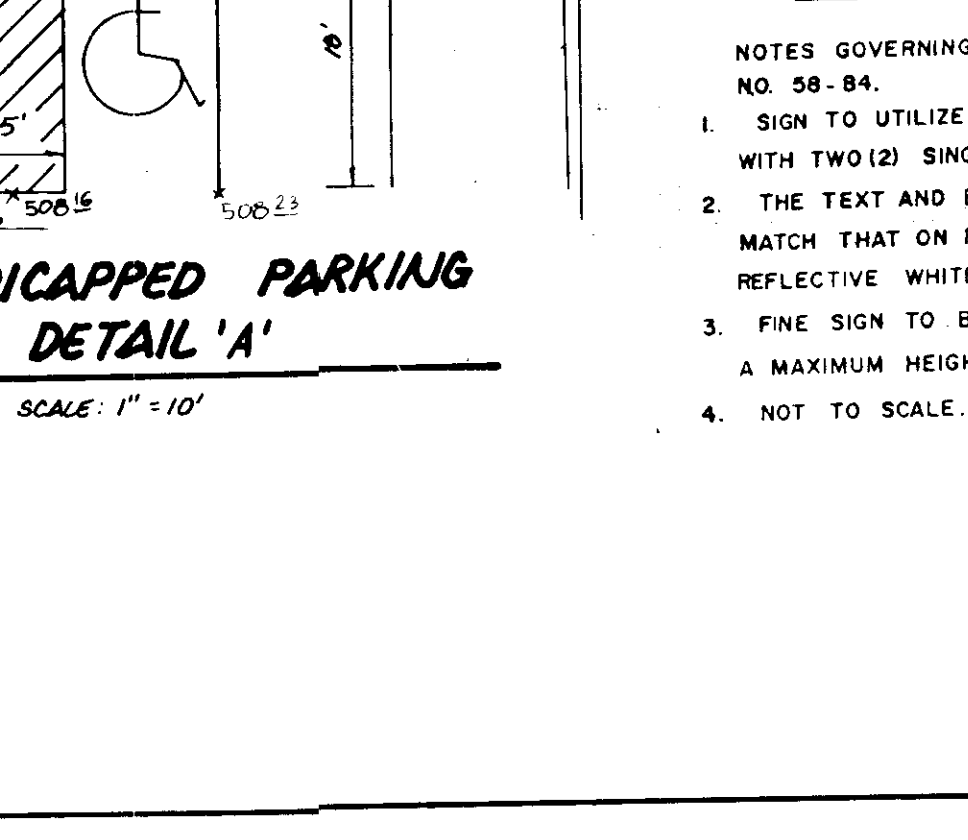
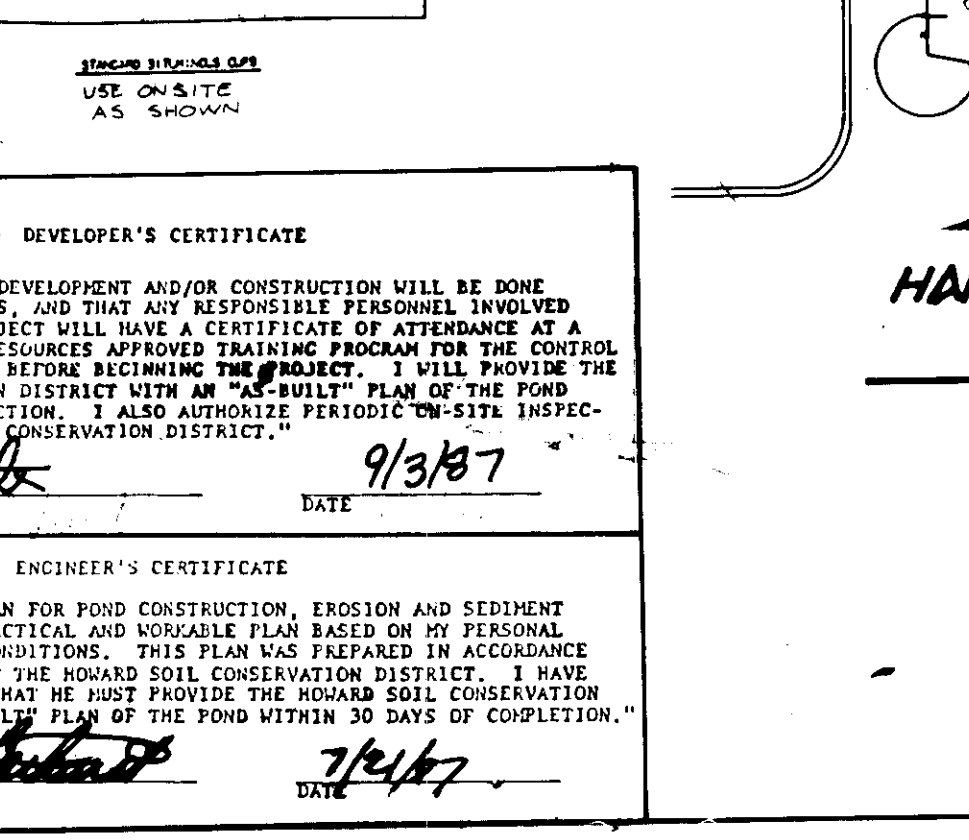
"I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN 'AS-BUILT' PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC 'ON-SITE' INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

DATE: 9/3/87

ENGINEER'S CERTIFICATE

"I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, 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. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN 'AS-BUILT' PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION."

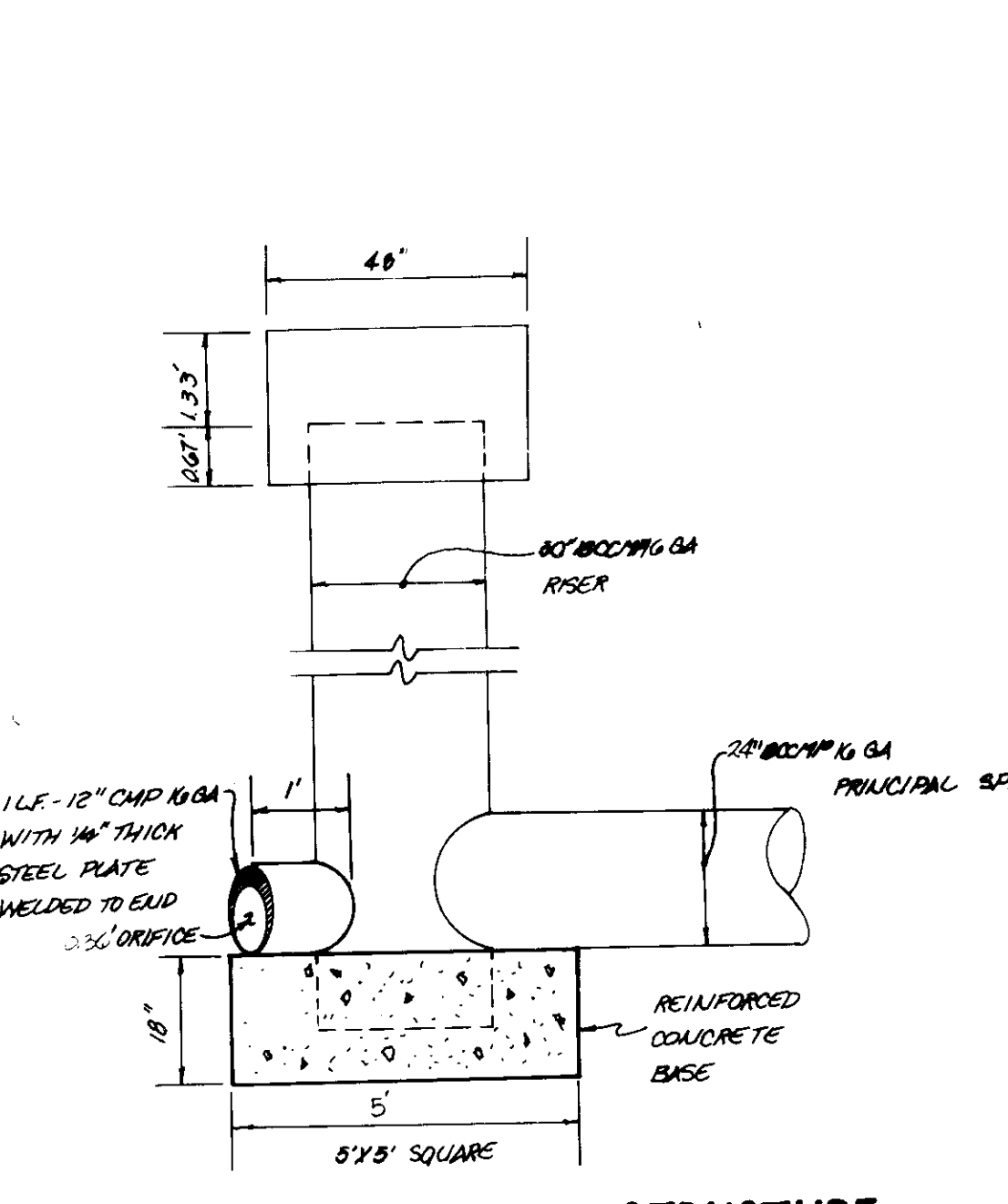
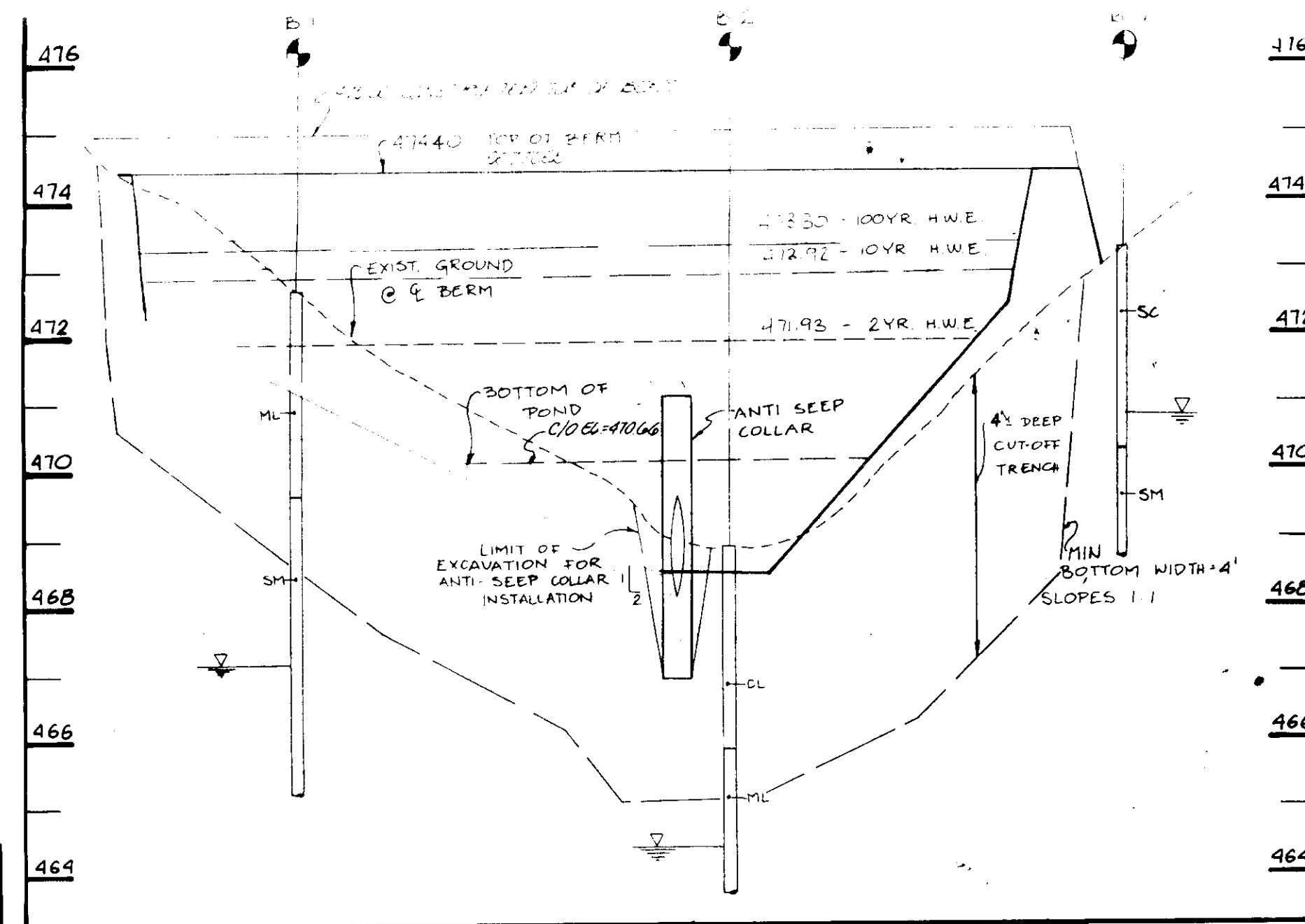
DATE: 7/4/87



HANDICAPPED PARKING SIGN

NOTES GOVERNING '50 FINE' SIGN AS PER HOWARD CO. BILL NO. 58-84.

- SIGN TO UTILIZE AN ALUMINUM BLANK 6'12" x 0'08" THICK WITH TWO (2) SINGLE POST MOUNTING HOLES.
- THE TEXT AND BORDER SHALL BE STANDARD GREEN TO MATCH THAT ON R7-8, AND THE BACKGROUND SHALL BE REFLECTIVE WHITE. TEXT SHALL BE 3" HIGH.
- FINE SIGN TO BE HUNG AT A MINIMUM HEIGHT OF 7" AND A MAXIMUM HEIGHT OF 10".
- NOT TO SCALE.

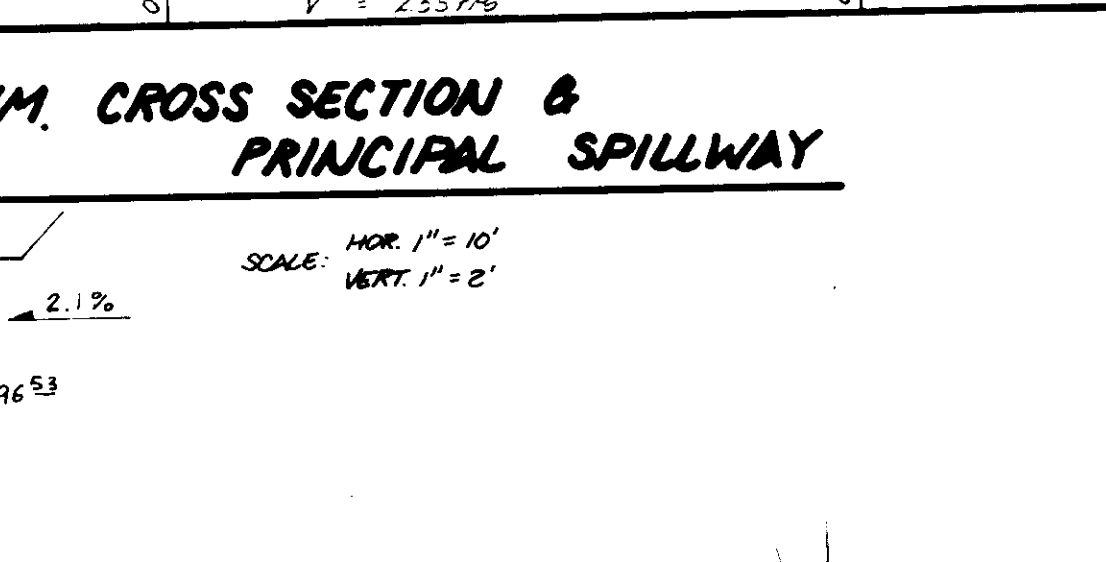
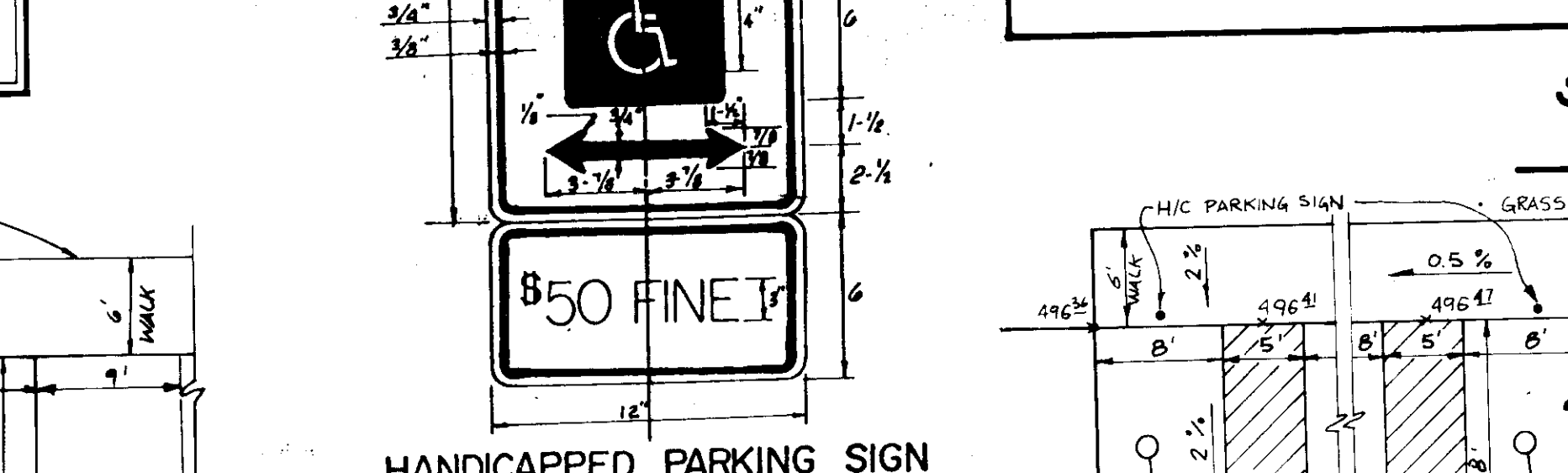
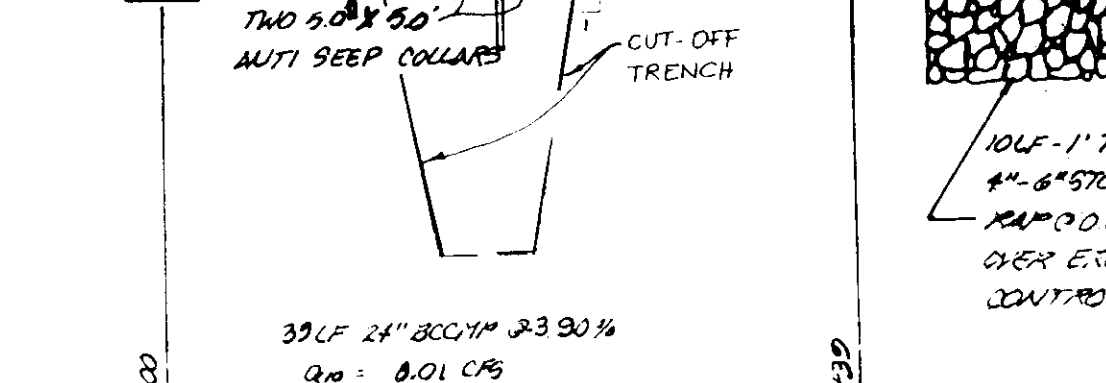
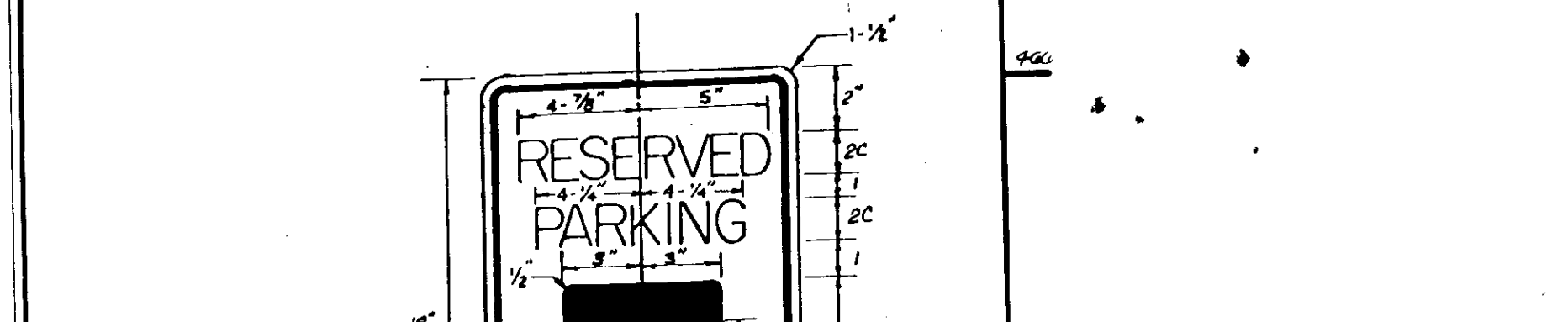
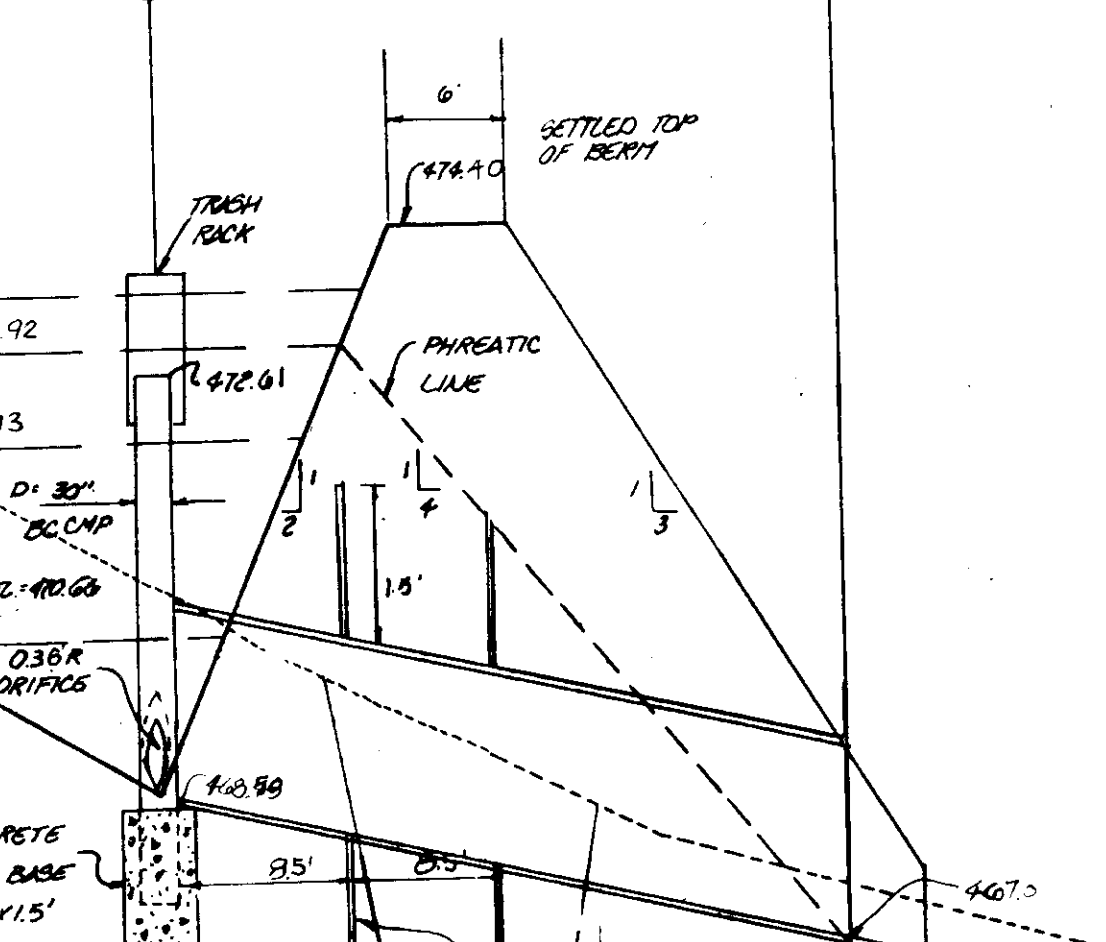
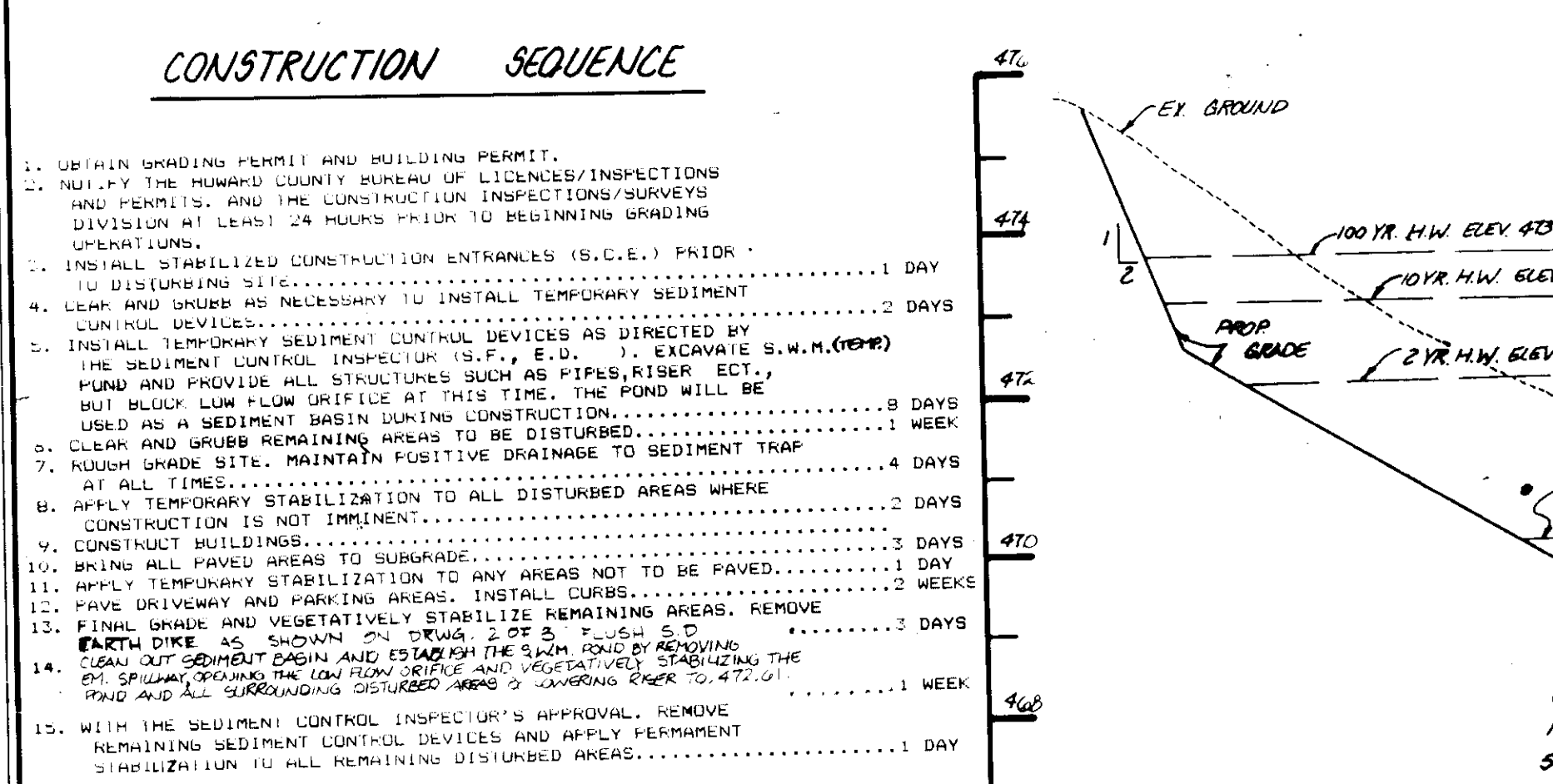


PROFILE ALONG E BERM

SCALE: HOR. 1" = 20'
VERT. 1" = 0'

OUTLET CONTROL STRUCTURE

SCALE: 1" = 2'



OWNER & DEVELOPER

WILLIAM E. WINTER
GLENMAR UNITED METHODIST CHURCH
2620 GREEN MOON PATH
LAWNSIDE, MARYLAND

boender associates inc.
consulting engineers
land surveyors
land planners

COURTHOUSE SQUARE
3565 ELLICOTT MILLS DRIVE
ELLICOTT CITY, MD. 21043
(301) 485-7177

PROFILES & DETAILS

PROJECT: GLENMAR UNITED METHODIST CHURCH
LOCATION: TAX MAP 31; PARCEL: 267; PLAT BOOK: 4; FOLIO: 53
1ST ELECTION DISTRICT HOWARD CO. MD.

SCALE: AS SHOWN
DESIGNED BY: EJA
DRAWN BY: UCO
CHECKED BY: LB
DATE: 10/06/87

FIELD BOOK: PAGE NO.: JOB NO.: 8088
DRAWING NO.: 3 OF 3