

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR: *James M. Nelson* DATE: 8/27/90  
CHIEF, BUREAU

OF ENGINEERING: *David C. Williams* DATE: 8/27/90  
CHIEF, DIVISION OF

APPROVED: HOWARD COUNTY, DEPARTMENT OF PLANNING AND ZONING

PLANNING DIRECTOR: *James M. Nelson* DATE: 8/27/90  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

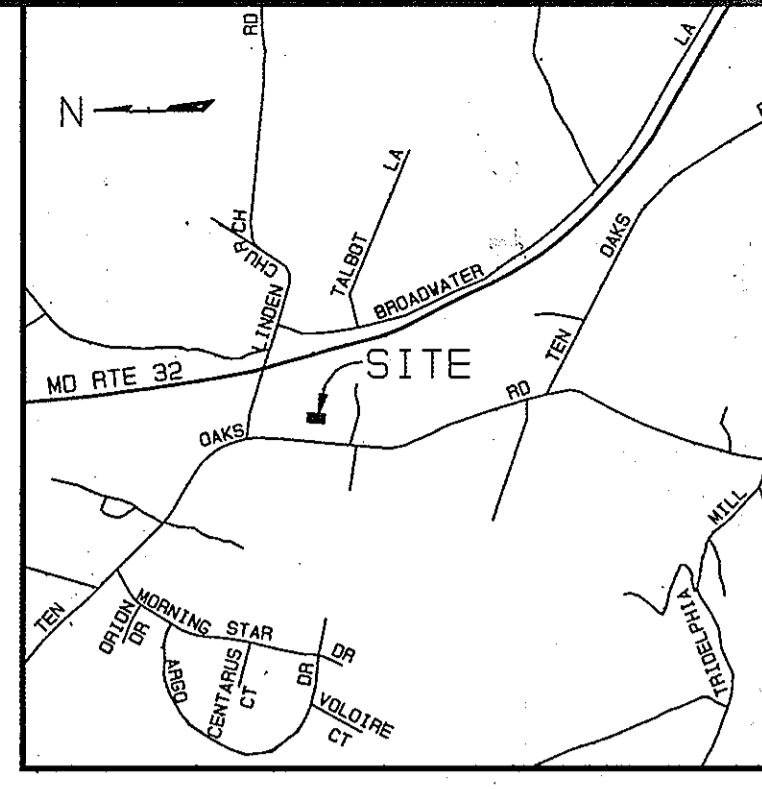
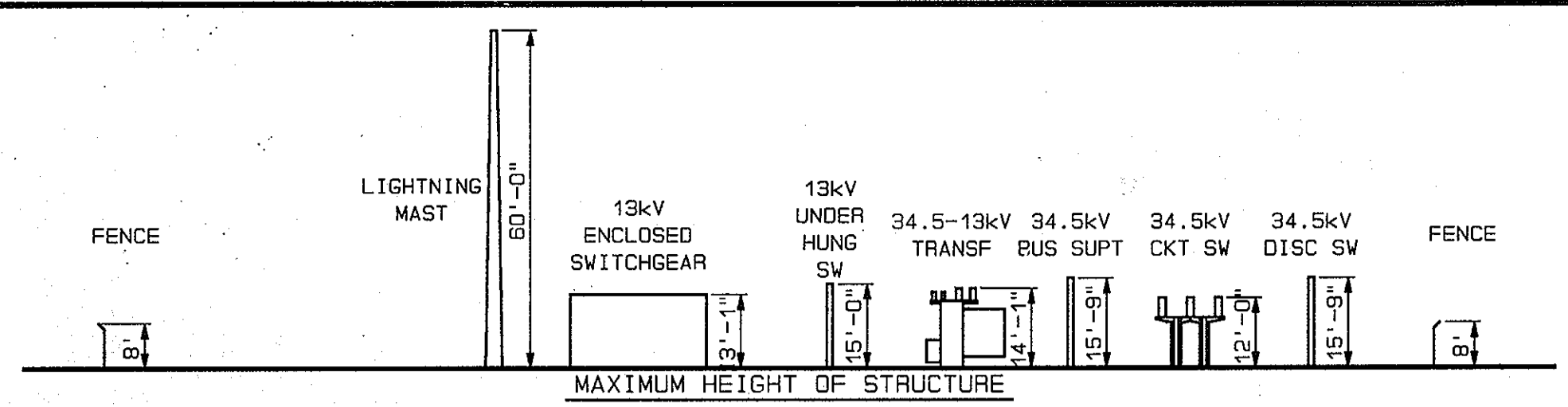
REVIEWED: NO FACILITIES REQUIRED  
HOWARD COUNTY HEALTH DEPARTMENT

*James M. Nelson* 8-79  
COUNTY HEALTH OFFICER DATE

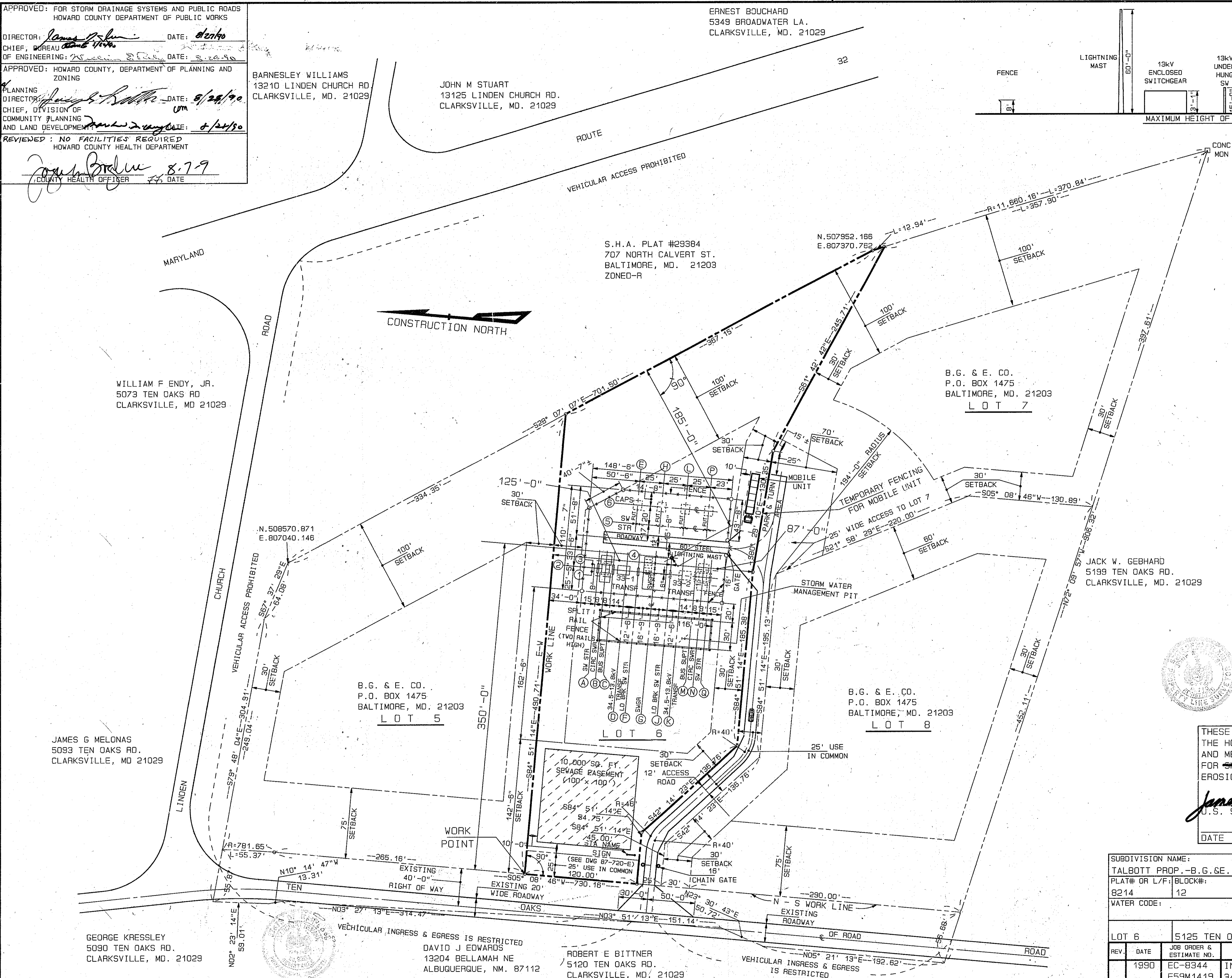
ERNEST BOUCHARD  
5349 BROADWATER LA.  
CLARKSVILLE, MD. 21029

BARNESLEY WILLIAMS  
13210 LINDEN CHURCH RD.  
CLARKSVILLE, MD. 21029

JOHN M STUART  
13125 LINDEN CHURCH RD.  
CLARKSVILLE, MD. 21029



VICINITY PLAN  
1" = 2000'



GENERAL NOTES:

1. BEARINGS & DISTANCES AS SHOWN ARE REFERRED TO THE STATE OF MARYLAND GRID MERIDIAN.
2. DOTTED LINES INDICATE FUTURE EXPANSION.
3. NO OUTDOOR LIGHTING WILL BE INSTALLED, EXCEPT WHERE NECESSARY FOR EMERGENCY CONDITIONS OR GENERAL MAINTENANCE OPERATIONS.
4. MOBILE TRANSFORMER WILL BE PLACED ON SITE ONLY DURING EMERGENCY CONDITIONS OR MAINTENANCE OPERATIONS. TEMPORARY FENCE SHALL BE 8'-0" HIGH CHAIN LINK.
5. SUBJECT SITE AND ALL ADJACENT PROPERTIES ARE ZONED "R".
6. THIS SITE DOES NOT LIE WITHIN A WETLANDS AREA, FLOOD PLAIN OR CHESAPEAKE BAY CRITICAL AREA.

SITE ANALYSIS:

THIS PROPERTY LOCATED IN ELECTION DISTRICT 5 OF HOWARD COUNTY, MD. TAX MAP-28 PARCEL-46 GRID-15 ZONED-R AREA: STATION SITE - 2.751AC± (LOT 6) PROPERTY - 11.145AC±

PETITIONER - B.G. & E. CO. & P.O. BOX 1475

OWNER - BALTIMORE, MD. 21203

PETITIONERS - THOMAS E. LLOYD, ESQ. ATTORNEY 3716 COURT PLACE ELLICOTT CITY, MD. 21093-4599

ZONING CASE NUMBERS: BA 89-33, BA 90-16, F 89-01, WP 88-56

PROPOSED USE: ELECTRICAL SUBSTATION

NO PERMANENT EMPLOYEES WILL BE STATIONED ON THE PREMISES.

PARKING SPACES REQUIRED: 1

PARKING SPACES PROVIDED: 2

OPEN SPACE TO REMAIN ON SITE: 2.15AC± (78% OF LOT 6)

*John W. Mickey* 7/17/90

J. W. MICKEY (PROP L. S. #116)  
DISTRIBUTION & TRANSMISSION ENGINEERING DEPARTMENT  
BALTIMORE GAS & ELECTRIC COMPANY

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

APPROVED: *James M. Nelson* 7/27/90  
U.S. SOIL CONSERVATION SERVICE DATE

PLAN NUMBER

SUBDIVISION NAME: TALBOTT PROP.-B.G.&E. SUBSTATION		SECT./AREA: 28 5	LOT/PARCEL#: LOT 6
PLAT# OR L/F: BLOCK#: 8214 12	ZONE: R	TAX/ZONE MAP: 28	ELECT. DISTR. CENSUS TR.: 5 6051
WATER CODE:		SEWER CODE:	

REV.	DATE	JOB ORDER & ESTIMATE NO.	DESCRIPTION	APPROVED	ENGINEERING
	1990	EC-8344 E59M1419	INSTALL 1-25MVA 34.5-13.8kV TRANSF & 3-13kV FEEDERS		CIVIL ..... ELEC ..... PROJ. ENG. .... PROJ. MGR. .... PRIN. ENG. .... SUPV. ENG. ....
		EC-1036 E59M1901	INSTALL 1-1800kvar 34.5kV OPEN RACK CAPACITOR		DESIGN GROUP DESIGNED ..... CHECKED ..... DRAWN ..... CHECKED ..... APPROVED ..... DATE: 6-20-89
A			ENTIRE STATION RELOCATED	CBS	
B			REVISED PER COUNTY	CBS	

SHEET 1 OF 7	
SITE DEVELOPMENT PLAN B. G. & E. SUBSTATION TALBOTT PROPERTY 5125 TEN OAKS ROAD	
TEN OAKS	
BALTIMORE GAS & ELECTRIC COMPANY DISTRIBUTION & TRANSMISSION ENGINEERING DEPT SYSTEM-ENGINEERING SECTION	
FILE	SCALE 1" = 50'
CADD: GDS	DWG NO. 87-768-E
MICROFILMED	REV. B

ELECTION DISTRICT NO. 5

HOWARD COUNTY  
TAX MAP 28  
PARCEL 46, LOT 8

CERTIFICATION BY THE ENGINEER

"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 A RED-LINED "AS-BUILT" OF THE POND WITHIN 30 DAYS OF COMPLETION."

*Jon R. Tiemann* 7/16/90  
DATE

CERTIFICATION BY THE OWNER

"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT, POND CONSTRUCTION AND EROSION AND SEDIMENT CONTROL. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE POND WITHIN 30 DAYS OF COMPLETION."

*David C. Williams* 7/19/90  
DATE

BALTIMORE GAS & ELECTRIC COMPANY

EDWIN X TRAVERS  
5170 TEN OAKS RD.  
CLARKSVILLE, MD. 21029

DONALD R STONER  
5178 TEN OAKS RD.  
CLARKSVILLE, MD. 21029



APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR: *James M. Tolan* DATE: 8/27/90  
CHIEF, BUREAU OF PUBLIC WORKS

OF ENGINEERING: *John R. Blanton* DATE: 8/27/90

APPROVED: HOWARD COUNTY, DEPARTMENT OF PLANNING AND ZONING

PLANNING DIRECTOR: *James M. Tolan* DATE: 8/28/90  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

REVIEWED: NO FACILITIES REQUIRED  
HOWARD COUNTY HEALTH DEPARTMENT

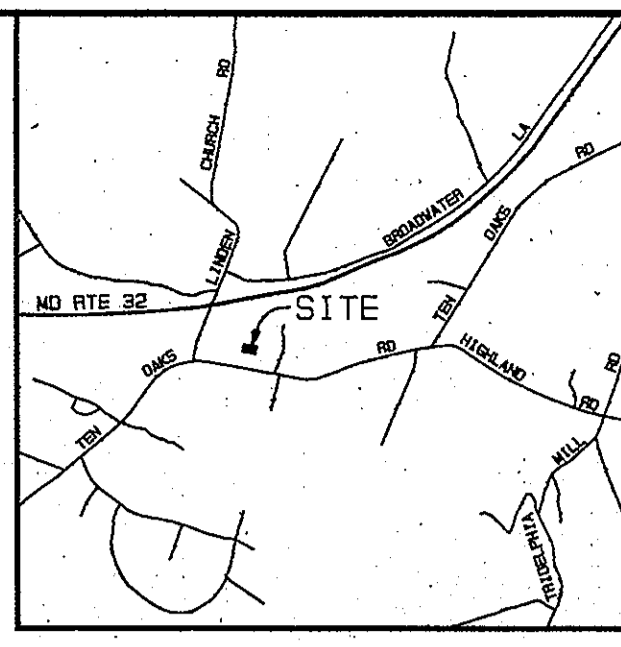
COUNTY HEALTH OFFICER: *James M. Tolan* DATE: 8/27/90

BARNESLEY WILLIAMS  
13210 LINDEN CHURCH RD.  
CLARKSVILLE, MD. 21029

JOHN M STUART  
13125 LINDEN CHURCH RD.  
CLARKSVILLE, MD. 21029

ERNEST BOUCHARD  
5349 BROADWATER LA.  
CLARKSVILLE, MD. 21029

CONSTRUCTION NORTH



WILLIAM F ENDY, JR.  
5073 TEN OAKS RD  
CLARKSVILLE, MD 21029

JAMES G MELONAS  
5093 TEN OAKS RD.  
CLARKSVILLE, MD 21029

GEORGE KRESSLEY  
5090 TEN OAKS RD.  
CLARKSVILLE, MD. 21029

B.G. & E. CO.  
P.O. BOX 1475  
BALTIMORE, MD. 21203

S.H.A. PLAT # 29384  
707 NORTH CALVERT ST.  
BALTIMORE, MD. 21203  
ZONED-R

B.G. & E. CO.  
P.O. BOX 1475  
BALTIMORE, MD. 21203

JACK W. GEBHARD  
5199 TEN OAKS RD.  
CLARKSVILLE, MD. 21029

B.G. & E. CO.  
P.O. BOX 1475  
BALTIMORE, MD. 21203

DAVID J EDWARDS  
13204 BELLAMAH NE  
ALBUQUERQUE, NM. 87112

ROBERT E BITTNER  
5120 TEN OAKS RD.  
CLARKSVILLE, MD. 21029

EDWIN X TRAVERS  
5170 TEN OAKS RD.  
CLARKSVILLE, MD. 21029

DONALD R STONER  
5178 TEN OAKS RD.  
CLARKSVILLE, MD. 21029

PLANT LIST

KEY NO	NO REQ'D	NAME	SIZE
72		PICEA EXCELSA NORWAY SPRUCE	5' - 6' B & B
7		MALUS RADIANT FLOWERING CRAB	6' - 8' B & B 1 1/2" - 1 3/4" CAL.
6		PYRUS CALLERYANA REDSPIRE REDSPIRE PEAR	9' - 11' B & B 1 1/2" - 1 3/4" CAL.
2		SALIX ELEGANTISSIMA NIOBE WEeping WILLOW	10' - 12' B & B 2" - 2 1/2" CAL.

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.

APPROVED: *John R. Blanton* DATE: 7/27/90  
S.S. SOIL CONSERVATION SERVICE

GENERAL NOTES:

- BEARINGS & DISTANCES AS SHOWN ARE REFERRED TO THE STATE OF MARYLAND GRID MERIDIAN.
- DOTTED LINES INDICATE FUTURE EXPANSION.

SHEET 2 of 7

ELECTION DISTRICT NO. 5  
HOWARD COUNTY  
TAX MAP 28  
PARCEL 46, LOT 8

**CERTIFICATION BY THE ENGINEER**  
"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 A RED LINED "AS BUILT" OF THE POND WITHIN 30 DAYS OF COMPLETION."

DATE: 8/27/90

**CERTIFICATION BY THE OWNER**  
"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT, POND CONSTRUCTION AND EROSION AND SEDIMENT CONTROL. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED LINED "AS BUILT" OF THE POND WITHIN 30 DAYS OF COMPLETION."

DATE: 8/27/90

REV.	DATE	JOB ORDER & ESTIMATE NO.	DESCRIPTION	APPROVED	ENGINEERING
1989		EC8344 ESSM1419	INSTLN OF 1-25MVA TRANSF & 3-13kv FEEDERS		CIVIL ELEC. PROD. ENG. PRIN. ENG. SUPV. ENG.
A	4-9-90	EC8344 ESSM1419	ENTIRE STATION RELOCATED.	DEB JJK	
B		EC8344 ESSM1419	REVISED PER COUNTY.	DEB DLT	

DESIGN GROUP: BALTIMORE GAS & ELECTRIC COMPANY  
DISTRIBUTION & TRANSMISSION ENGINEERING DEPT  
SYSTEM ENGINEERING SECTION

FILE: 87-718-E  
SCALE: 1" = 50'  
DATE: 8/27/90  
CADD: GDS  
MICROFILMED: 8/27/90  
DWS: 87-718-E  
REV: 8

SDP-10-196

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT PUBLIC WORKS

James Z. ... 8/27/90  
DIRECTOR: DATE:

CHIEF, BUREAU OF ENGINEERING  
...  
DATE:

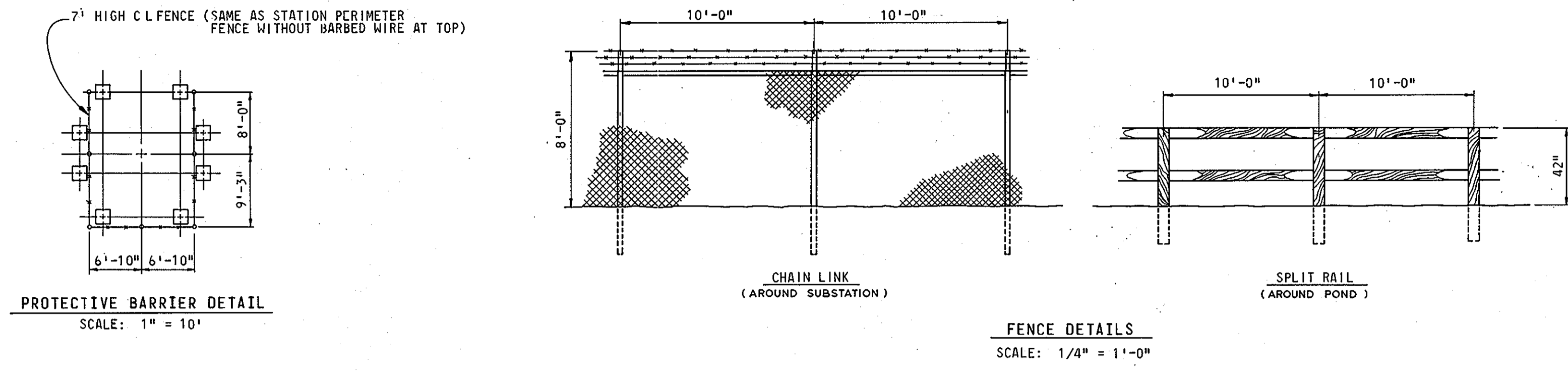
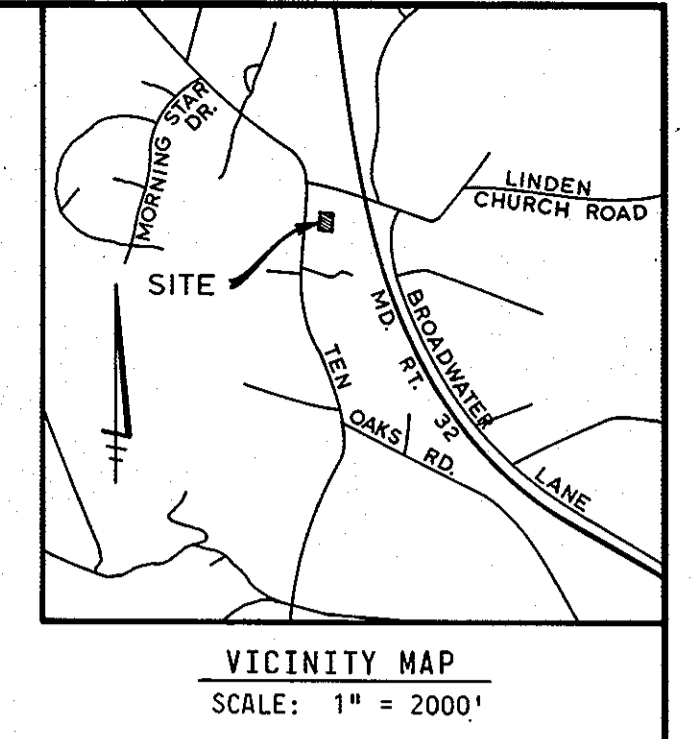
APPROVED: HOWARD COUNTY, THE DEPARTMENT OF PLANNING AND ZONING

PLANNING DIRECTOR: ... DATE: 8/28/90

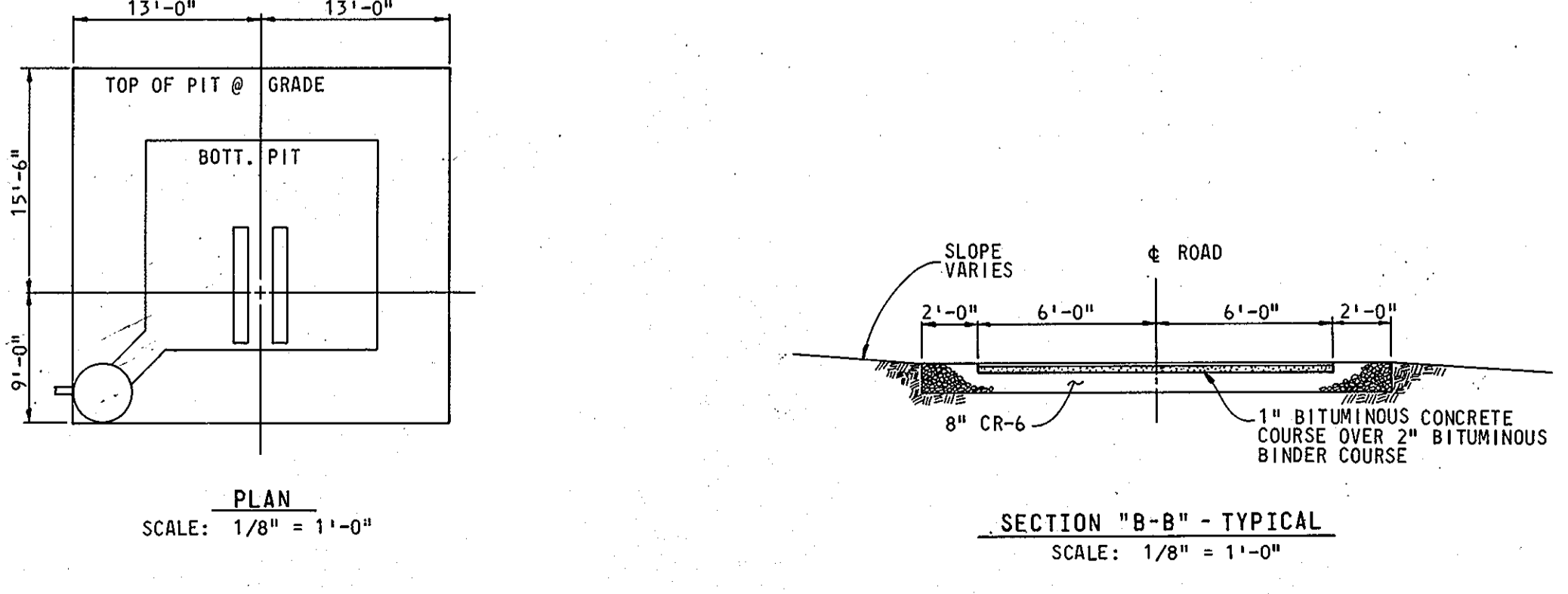
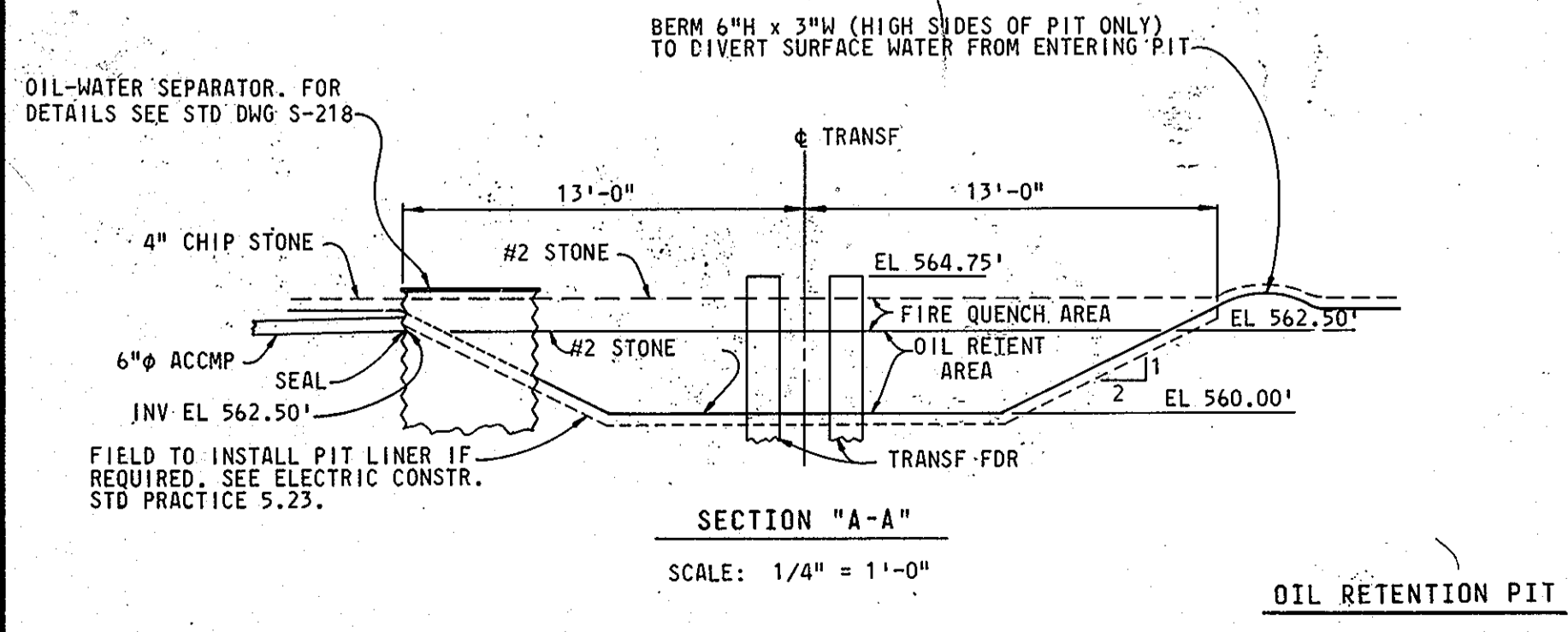
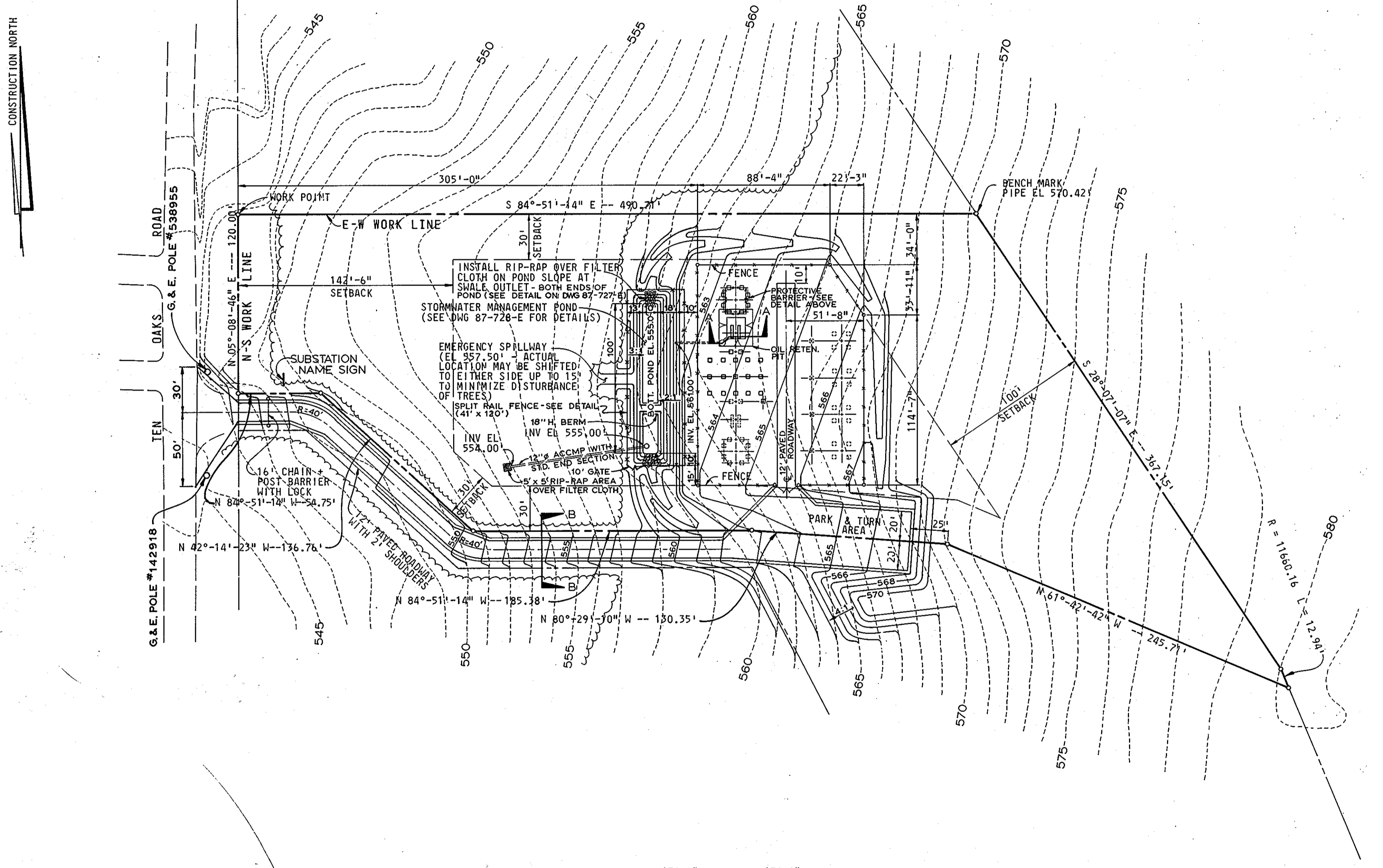
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT  
... DATE: 8/28/90

REVIEWED: NO FACILITIES REQUIRED  
HOWARD COUNTY HEALTH DEPARTMENT

... 8-7-90  
COUNTY HEALTH OFFICER: DATE:



- NOTES:**
1. GRADING: DOTTED CONTOUR LINES INDICATE EXISTING TOP OF GRADE. SOLID CONTOUR LINES INDICATE NEW TOP OF GRADE. ALL FILL TO BE WELL COMPACTED TO 95% OF MAXIMUM DENSITY (ASTM D1557-70).
  2. FENCE: TO BE CHAIN LINK CONSTRUCTION WITH AN OVERALL HEIGHT OF 8'-0" CONSISTING OF 7'-0" OF FABRIC WITH THREE (3) STRANDS OF BARBED WIRE TURNED OUT.
  3. STONE AREA: FENCED IN AREA TO BE COVERED WITH 4" OF STONE COVER OVER NEW GRADE. STONE COVER GRADATION SHALL BE IN ACCORDANCE WITH MARYLAND STATE HIGHWAY ADMINISTRATION SHA-4. STONE SHALL BE GRAY IN COLOR WITH A LOS ANGELES ABRASION RATING LESS THAN 50%.
  4. ROADWAY: COMPACT SUBGRADE TO 95% DENSITY AS DETERMINED BY ASTM-1557-70. INSTALL 8" OF CR-467 CRUSHED STONE BASE IN TWO LIFTS AND COMPACT EACH LIFT WITH A 10 TON ROLLER. INSTALL 2" BITUMINOUS BINDER COURSE (B1 BAND). INSTALL 1" BITUMINOUS CONCRETE SURFACE (S1 BAND) AS PER MARYLAND STATE HIGHWAY ADMINISTRATION SPEC.
  5. FOR DETAILS OF STORMWATER MANAGEMENT FACILITIES, REFER TO DWG 87-728-E.
  6. FOR SEEDING AND STABILIZATION SPECIFICATIONS, REFER TO SEDIMENT CONTROL DWG. 87-727-E.
  7. CONSTRUCTION FORCES SHALL MINIMIZE THE DESTRUCTION OF TREES AND OTHER VEGETATION WHEREVER POSSIBLE.
  8. TEN OAKS SUBSTATION IS AN UNATTENDED SUBSTATION AND NO PERMANENT EMPLOYEES WILL BE STATIONED ON THE PREMISES.
  9. NO WATER SERVICE, SANITARY SEWAGE SERVICE, SUBSURFACE STORM DRAINAGE OR OTHER PLUMBING WILL BE REQUIRED OR INSTALLED.
  10. BENCH MARK: PIPE AT NORTHEAST CORNER OF PROPERTY - EL 570.42.



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

APPROVED: *John P. ...* 7/27/90  
HOWARD S.C.D. DATE:

PLAN NUMBER

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.

*James M. ...* 7/27/90  
U.S. SOIL CONSERVATION SERVICE DATE:

SHEET 3 of 7

Rev	Date	J.O./Ext. No.	Description	Approved	ENGINEERING	GRADING PLAN, FENCE & ROADWAY
	1990	EC-8344 E59M1419	25MVA 34.5-13kV TRANSF. & 3-13kV FDRS.		Civil: <i>...</i>	
		EC-1036 E59M1901	1800kva 34.5kV OPEN RAIL CAP		Proj. Eng: <i>...</i>	
A		EC-8344 E59M1419 EC-1036 E59M1901	REV PER HOWARD CO. COMMENTS		Prin. Eng: <i>...</i> Supr. Eng: <i>...</i>	34.5-13KV SUBSTATION TEN OAKS

DESIGN GROUP: BALTIMORE GAS AND ELECTRIC COMPANY  
DISTRIBUTION & TRANSMISSION ENGINEERING DEPT.  
SYSTEM ENGINEERING SECTION

File: *...* Scale: 1" = 50'  
Microfilmed: *...* Dwg: 87-726-E  
Orig. D. Rev. No. *...*

ELECTION DISTRICT NO. 5  
HOWARD COUNTY  
TAX MAP 28  
PARCEL 46. LOT 8

CERTIFICATION BY THE OWNER

"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT, POND CONSTRUCTION AND EROSION AND SEDIMENT CONTROL. I ALSO AUTHORIZE PERSONS ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT."

*David C. Wood* 7/19/90  
DATE: 7/19/90  
BALTIMORE GAS AND ELECTRIC COMPANY

CERTIFICATION BY THE ENGINEER

"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 A RELEASE TO THE BUREAU OF THE BOND WITHIN 30 DAYS OF COMPLETION."

*James M. ...* 7/16/90  
DATE: 7/16/90





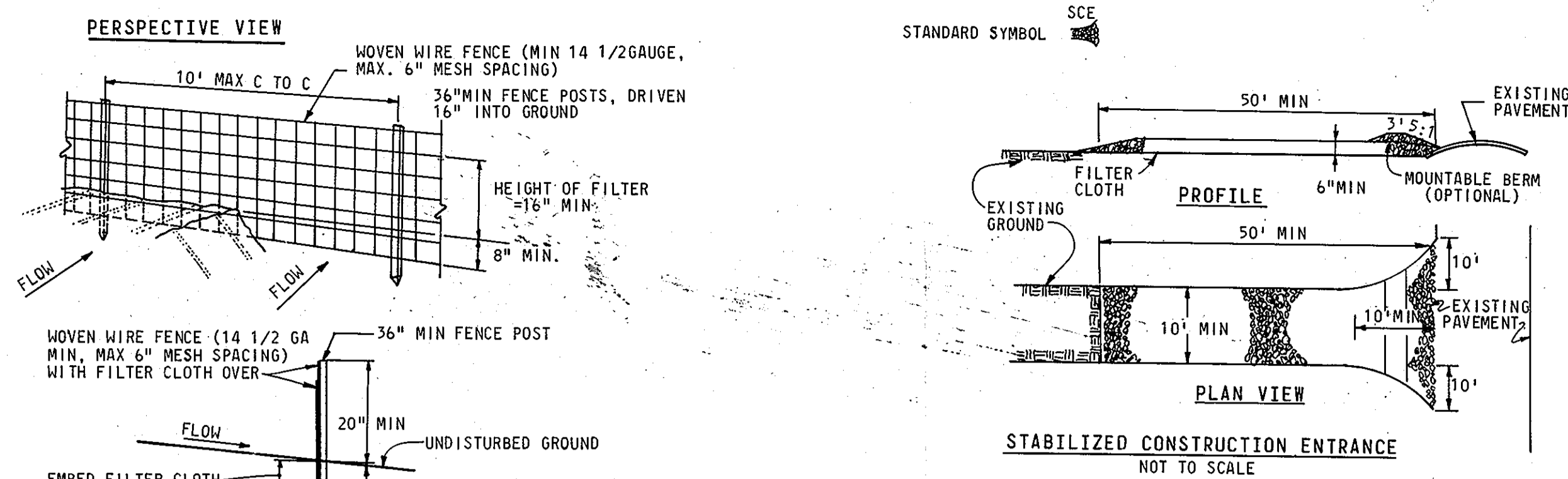
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT PUBLIC WORKS  
 DIRECTOR: *James M. Helm* DATE: *8/27/90*  
 CHIEF, BUREAU OF ENGINEERING: *William B. Ray* DATE: *8/27/90*

APPROVED: HOWARD COUNTY, THE DEPARTMENT OF PLANNING AND ZONING  
 PLANNING DIRECTOR: *James M. Helm* DATE: *8/27/90*  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT: *James M. Helm* DATE: *8/27/90*

REVIEWED: NO FACILITIES REQUIRED  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: *James M. Helm* DATE: *8/27/90*

SEQUENCE OF OPERATIONS

- OBTAIN REQUIRED PERMITS.....6/90
- NOTIFY HOWARD COUNTY INSPECTIONS AND PERMITS 24 HOURS PRIOR TO START OF CONSTRUCTION.....6/90
- CLEAR AND GRUB FOR SEDIMENT CONTROLS.....6/90
- INSTALL ALL SEDIMENT CONTROLS, FINISH ANY NECESSARY CLEARING AND GRUBBING.....6/90
- CONSTRUCT STORMWATER MANAGEMENT POND.....6/90
- GRADE SITE LAY BASE COURSE AND STABILIZE.....6/90 WITH TEMPORARY SEEDING
- CONSTRUCT FACILITIES AND ROADWAY.....7/90
- SEED AND MULCH EXPOSED AREAS WITH PERMANENT SEEDING.....10/90
- ONCE SITE IS STABLE AND WITH THE APPROVAL OF SEDIMENT CONTROL INSPECTOR:
  - REMOVE ACCUMULATED SEDIMENT FROM CONTROL AND DISPOSE OF AS DIRECTED BY THE SEDIMENT CONTROL INSPECTOR.
  - REMOVE SEDIMENT CONTROLS.
  - FINAL GRADING WHERE NECESSARY
  - SEED AND MULCH AREAS DISTURBED BY SEDIMENT CONTROLS WITH PERMANENT SEEDING.



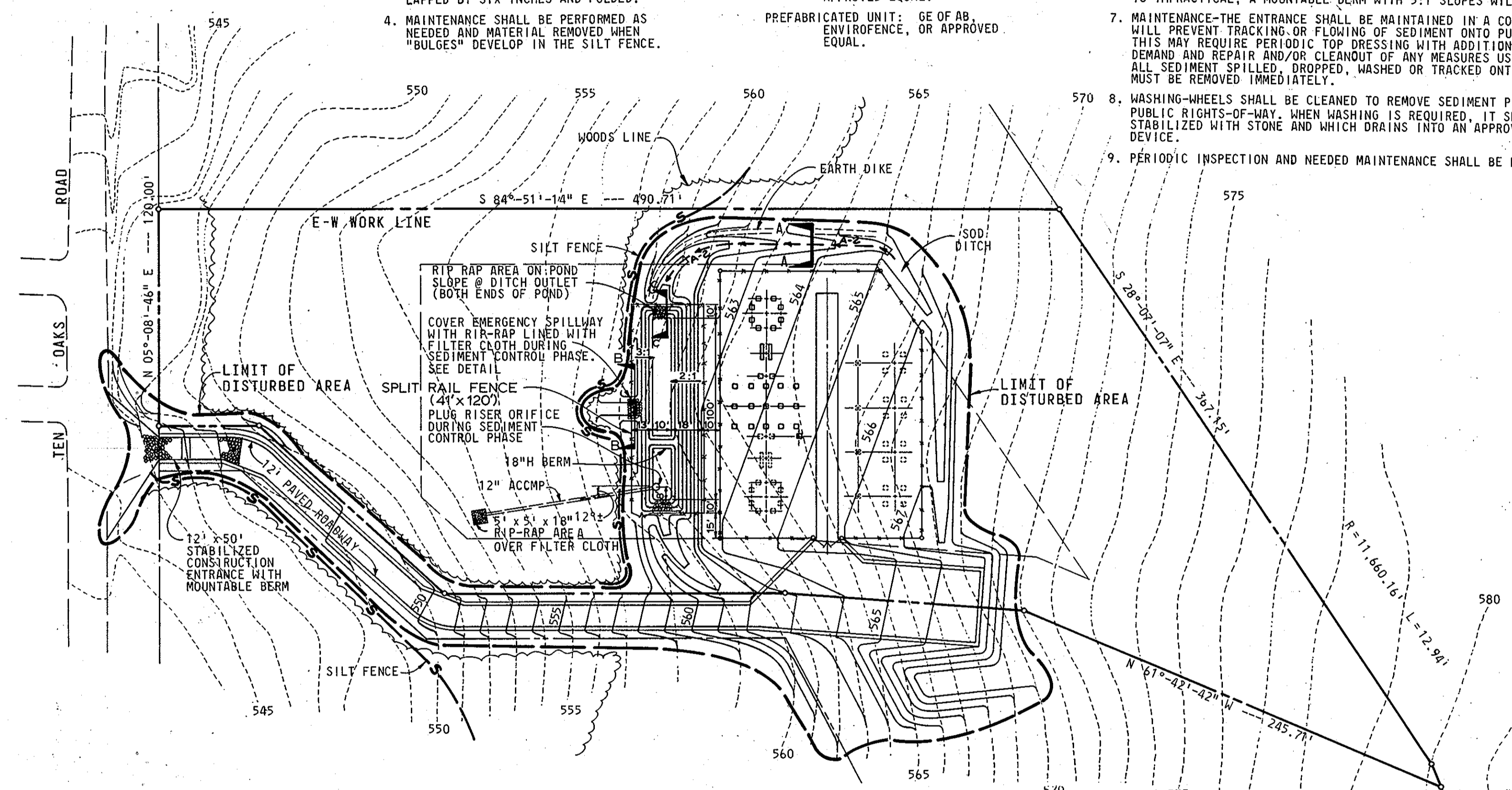
- CONSTRUCTION SPECIFICATIONS
- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
  - LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
  - THICKNESS - NOT LESS THAN SIX (6) INCHES.
  - WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
  - 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.
  - SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
  - 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.
  - 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.
  - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
  - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
  - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
  - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD  
 FENCE: WOVEN WIRE, 14 GA 6" MAX MESH OPENING  
 FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA 1140N OR APPROVED EQUAL.  
 PREFABRICATED UNIT: GE OF AB, ENVIROFENCE, OR APPROVED EQUAL.

- NOTES:
- SEDIMENT CONTROL: SILT FENCE WILL BE INSTALLED AS SHOWN IN PLAN AND DETAIL ACCORDING TO MARYLAND SOIL CONSERVATION SERVICE SPEC. 15-01-12-03 USE "ENVIROFENCE" PREFABRICATED SILT FENCE BY CELANESE CORPORATION OR EQUIVALENT. STRAW BALES WILL BE REPLACED DAILY ACROSS ENTRANCE AS NEEDED.
  - A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION. (992-2437).
  - 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.
  - FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
    - 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPED AND ALL SLOPES GREATER THAN 3.
    - 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
  - ALL SEDIMENT TRAPS/BASINS SHALL BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
  - 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.
  - 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.
  - ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
  - ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
  - ON ALL SITE WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF 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.

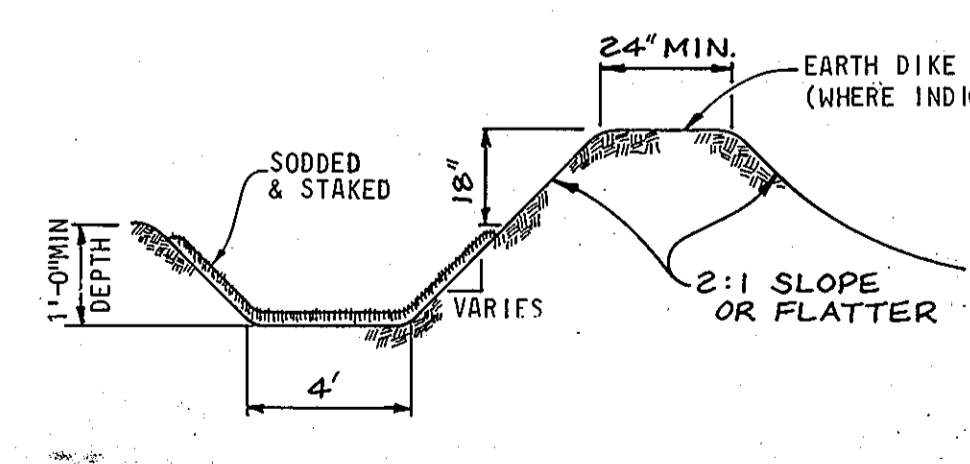
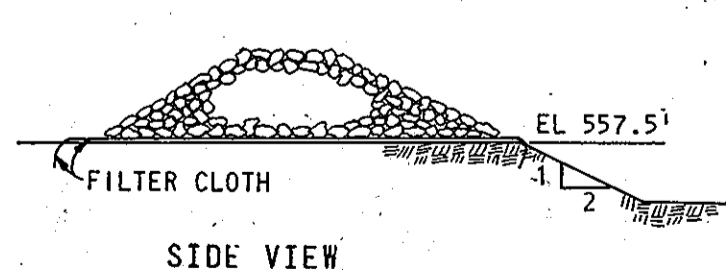
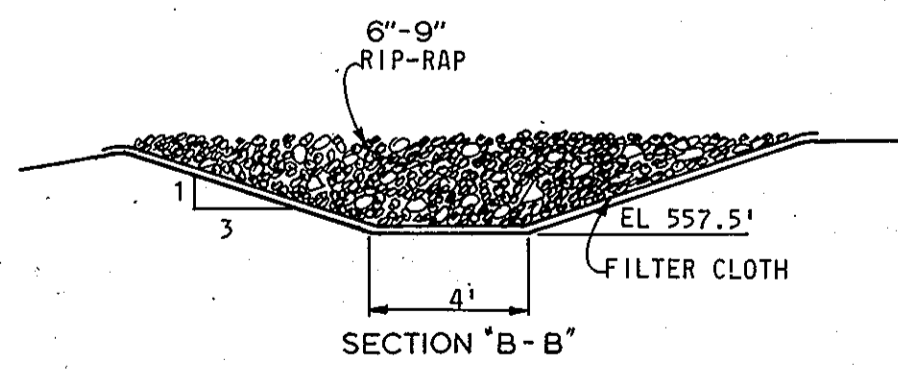
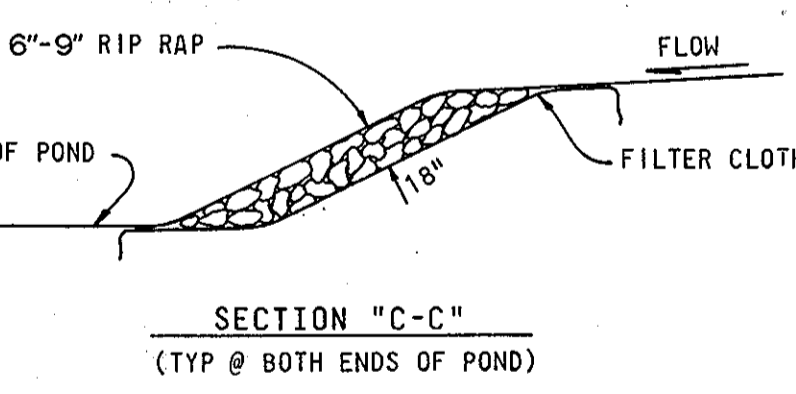
- PERMANENT SEEDING NOTES
- SEEDBED PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS: USE ONE OF THE FOLLOWING SCHEDULES:
- PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREA FORM FERTILIZER (9 LBS/1000 SQ. FT.).
  - 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 DISC INTO UPPER THREE INCHES OF SOIL.
- SEEDING: FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS PER ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS PER ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD AUGUST 15 THRU NOVEMBER 15, 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: 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/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.
- MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS 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 SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDING.
- TEMPORARY SEEDING NOTES
- SEEDBED PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING: IF NOT PREVIOUSLY LOOSENED:
- SOIL AMENDMENTS: APPLY 600 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 2-1/2 BY 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 1-1/2 TO 2 TONS PER ACRE (70-90 LBS/1000 SQ. FT.) OF UNROTTED 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.

CONSTRUCTION NORTH



EARTH DIKE CONSTRUCTION SPECIFICATIONS

- ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
- ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
- TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
- 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. 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.
- 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 WILL BE SODDED AND STAKED.
- PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.



ELECTION DISTRICT NO. 5  
 HOWARD COUNTY  
 TAX MAP 28  
 PARCEL 46, LOT 8

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL CONSERVATION, SOIL EROSION AND SEDIMENT CONTROL.  
 JAMES M. HELM / JMR 7/27/90  
 S. SOIL CONSERVATION SERVICE DATE

THESE PLANS FOR POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED: JOHN P. LUTHER 7/27/90  
 HOWARD S.C.D. DATE

CERTIFICATION BY THE OWNER  
 "I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT, POND CONSTRUCTION AND EROSION AND SEDIMENT CONTROL. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT. THESE PLANS WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED LINE AS BUILT OF THE POND WITHIN 30 DAYS OF COMPLETION."  
 DAVID C. WOOD 7/19/90  
 BALTIMORE GAS AND ELECTRIC COMPANY DATE

CERTIFICATION BY THE ENGINEER  
 "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 A RED LINE AS BUILT OF THE POND WITHIN 30 DAYS OF COMPLETION."  
 J. R. ROMAN 7/18/90  
 PROFESSIONAL ENGINEER DATE

Rev	Date	J.O./Est. No.	Description	Approved	ENGINEERING	SEEDING CONTROL PLAN
1990		EC-8344 ES9M1419 EC-1036 ES9M1901	25MVA 34.5-13KV TRANSF & 3-13KV FDRS 1300V VARS 34.5KV OPEN RACK CAP		Civil: <i>JMR</i> Elec: <i>JMR</i> Proj. Eng: <i>JMR</i> Site Eng: <i>JMR</i> Supr. Eng: <i>JMR</i>	34.5-13KV SUBSTATION TEN OAKS
A		EC-8344 ES9M1419 EC-1036 ES9M1901	REV PER HOWARD CO COMMENTS	DLT	DESIGN GROUP Designer: <i>JMR</i> Drawn: <i>JMR</i> Checked: <i>JMR</i> Appr. <i>JMR</i> Date: <i>7/27/90</i>	BALTIMORE GAS AND ELECTRIC COMPANY DISTRIBUTION & TRANSMISSION ENGINEERING DEPT. SYSTEM ENGINEERING SECTION

File: *SDP-90-196* Scale: 1" = 50'  
 Microfilm: *87-727-E* No. *50X*

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT PUBLIC WORKS

DIRECTOR: *James M. Blum* DATE: 8/27/90

CHIEF, BUREAU OF ENGINEERING: *William G. Kelly* DATE: 8/27/90

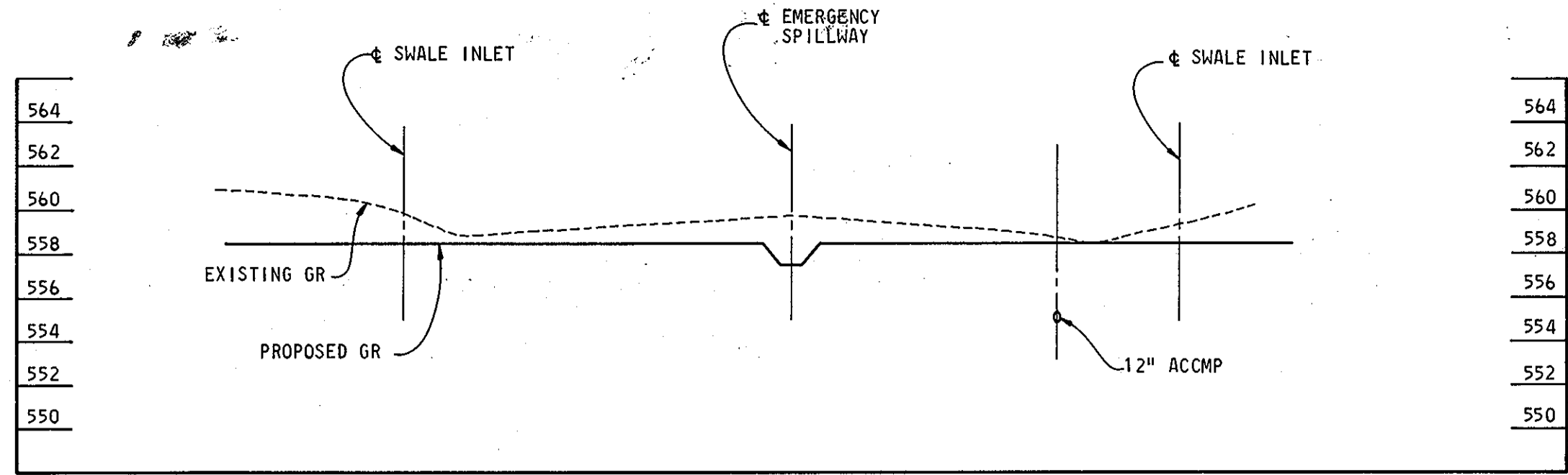
APPROVED: HOWARD COUNTY, THE DEPARTMENT OF PLANNING AND ZONING

PLANNING DIRECTOR: *Joseph Smith* DATE: 8/28/90

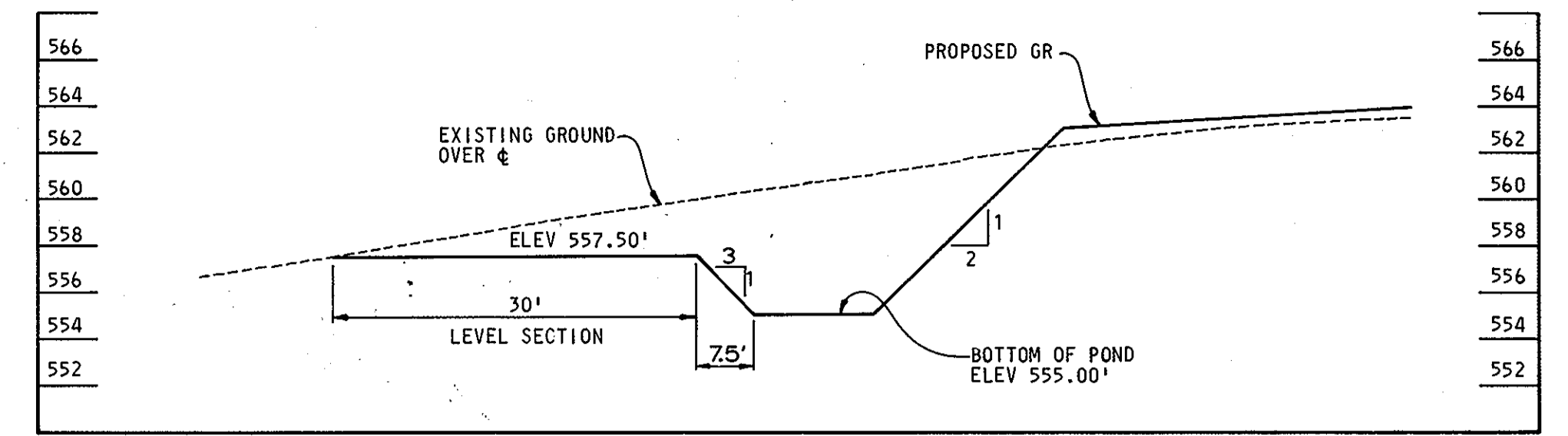
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT: *William V. L. Taylor* DATE: 8/28/90

REVIEWED: NO FACILITIES REQUIRED  
HOWARD COUNTY HEALTH DEPARTMENT

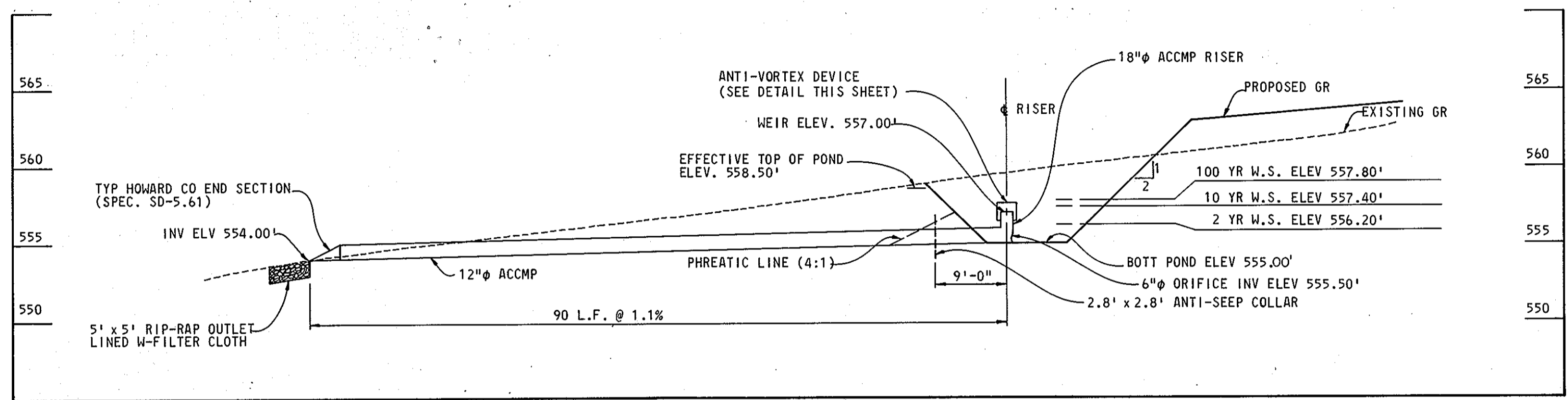
COUNTY HEALTH OFFICER: *Joseph Smith* DATE: 8/7/90



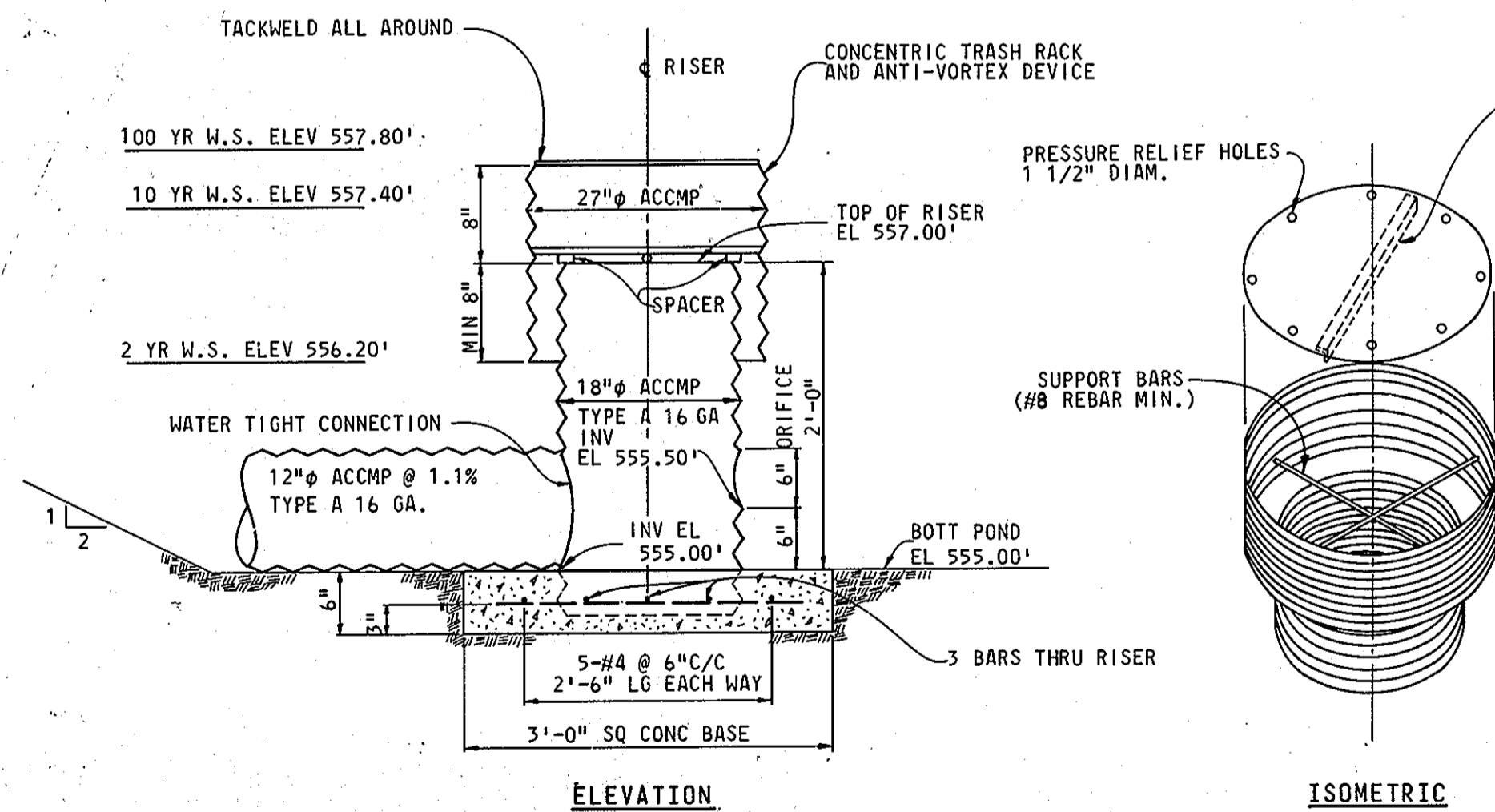
PROFILE ALONG E DAM LOOKING EAST  
SCALE: HORIZ. 1" = 20'-0"  
VERT. 1" = 5'-0"



PROFILE ALONG E EMERGENCY SPILLWAY  
SCALE: HORIZ. 1" = 10'-0"  
VERT. 1" = 5'-0"

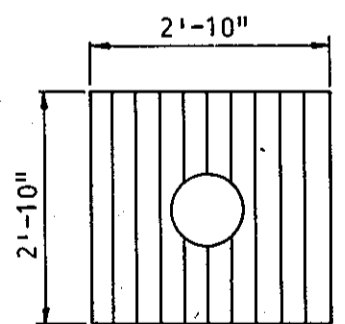


TYPICAL CROSS SECTION OF STORMWATER MANAGEMENT POND  
SCALE: HORIZ. 1" = 10'-0"  
VERT. 1" = 5'-0"



CONCENTRIC TRASH RACK, ANTI-VORTEX DEVICE, AND POND RISER DETAIL  
SCALE: 1" = 1'-0"

TOP STIFFENER (IF REQUIRED) IS 2" x 2" x 1/4" ANGLE WELDED TO TOP AND ORIENTED PERPENDICULAR TO CORRUGATIONS.  
TOP IS 16 GAGE CORRUGATED METAL OR 1/8" STEEL PLATE. PRESSURE RELIEF HOLES MAY BE OMITTED, IF ENDS OF CORRUGATIONS ARE LEFT FULLY OPEN WHEN CORRUGATED TOP IS WELDED TO CYLINDER.  
CYLINDER IS 16 GAGE CORRUGATED METAL PIPE OR FABRICATED FROM 1/8" STEEL PLATE.



ANTI-SEEP COLLAR DETAIL  
NO SCALE

- NOTES:
1. THE CYLINDER MUST BE FIRMLY FASTENED TO THE TOP OF THE RISER.
  2. SUPPORT BARS ARE WELDED TO THE TOP OF THE RISER OR ATTACHED BY STRAPS BOLTED TO TOP OF RISER.

REFERENCE DRAWINGS:  
87-726-E GRADING PLAN, FENCE & ROADWAY  
87-727-E SEDIMENT CONTROL PLAN  
87-778-E DRAINAGE AREA MAP



ELECTION DISTRICT NO. 5  
HOWARD COUNTY  
TAX MAP 28  
PARCEL 46, LOT 8

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. SOIL CONSERVATION SERVICE DATE: 7/27/90

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL, MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
APPROVED: *John P. Robertson* DATE: 7/27/90  
HOWARD S.C.D.

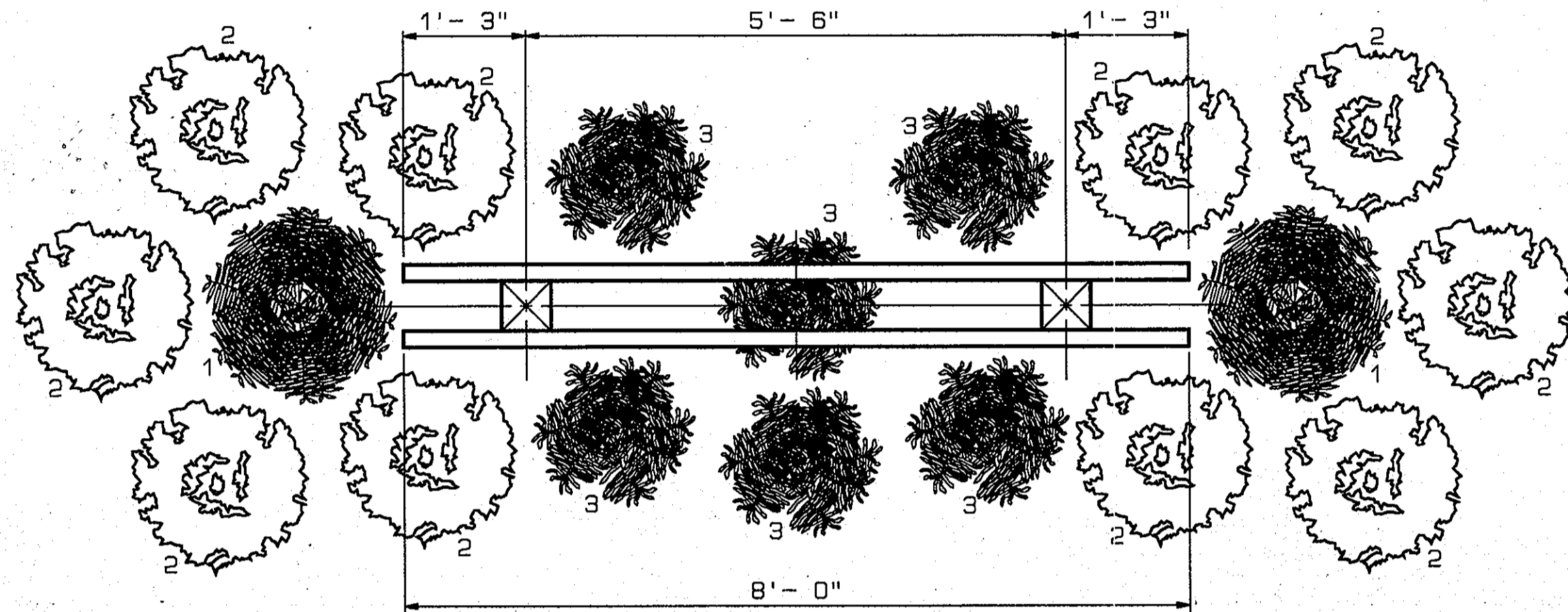
CERTIFICATION BY THE ENGINEER  
"I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION, AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."  
DATE NOTICED: 7/16/90  
DATE: 7/16/90

CERTIFICATION BY THE OWNER  
"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT, POND CONSTRUCTION AND EROSION AND SEDIMENT CONTROL. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT."  
DATE: 7/16/90

Rev	Date	J.O./Ext. No.	Description	Approved	ENGINEERING	STORMWATER MANAGEMENT DETAILS
1990		EC-8344 ES0M1419 EC-1036 ES9M1901	25MVA 34.5-13KV TRANSF. & 3-13KV FDRS 1000KVA 34.5KV OPEN RACK CAP		Civil: <i>[Signature]</i> Elec: <i>[Signature]</i> Proj. Engr: <i>[Signature]</i> Prin. Engr: <i>[Signature]</i> Supr. Engr: <i>[Signature]</i>	34.5-13KV SUBSTATION TEN OAKS
A		EC-8344 ES9M1419 EC-1036 ES8M1901	REV PER HOWARD CO COMMENTS	D.L.T.		BALTIMORE GAS AND ELECTRIC COMPANY DISTRIBUTION & TRANSMISSION ENGINEERING DEPT. SYSTEM ENGINEERING SECTION







APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR: *James M. Helm* DATE: 8/22/90  
CHIEF, BUREAU OF ENGINEERING: *Sam*

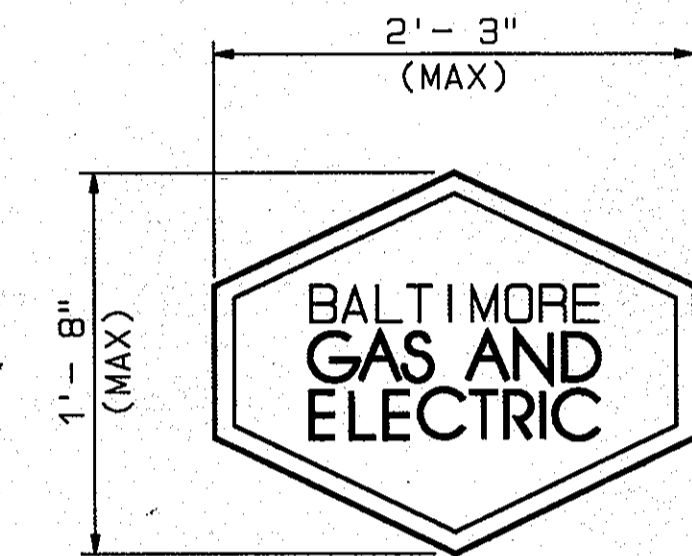
APPROVED: HOWARD COUNTY, DEPARTMENT OF PLANNING AND ZONING

PLANNING DIRECTOR: *James Helm* DATE: 8/22/90  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT: *Sam*

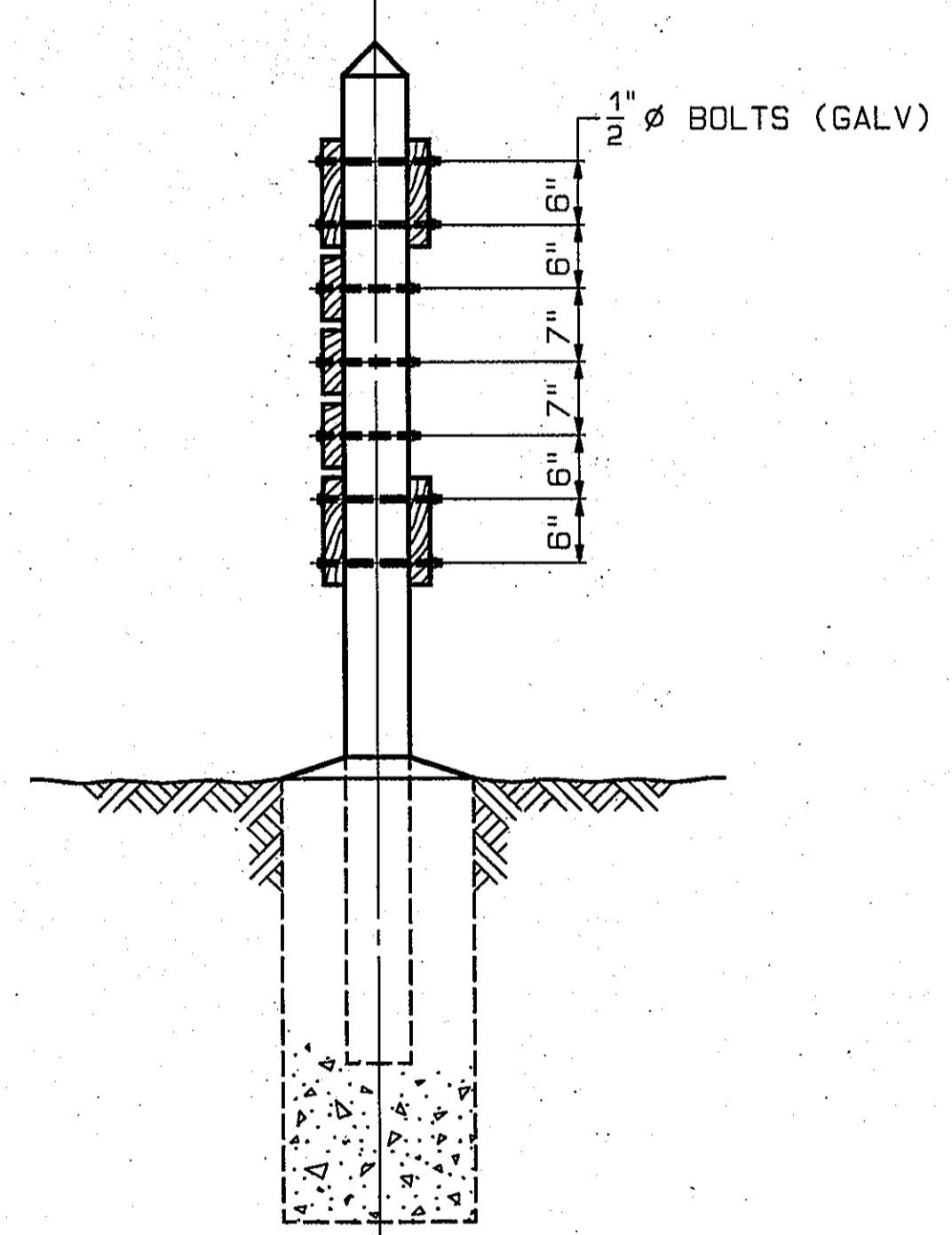
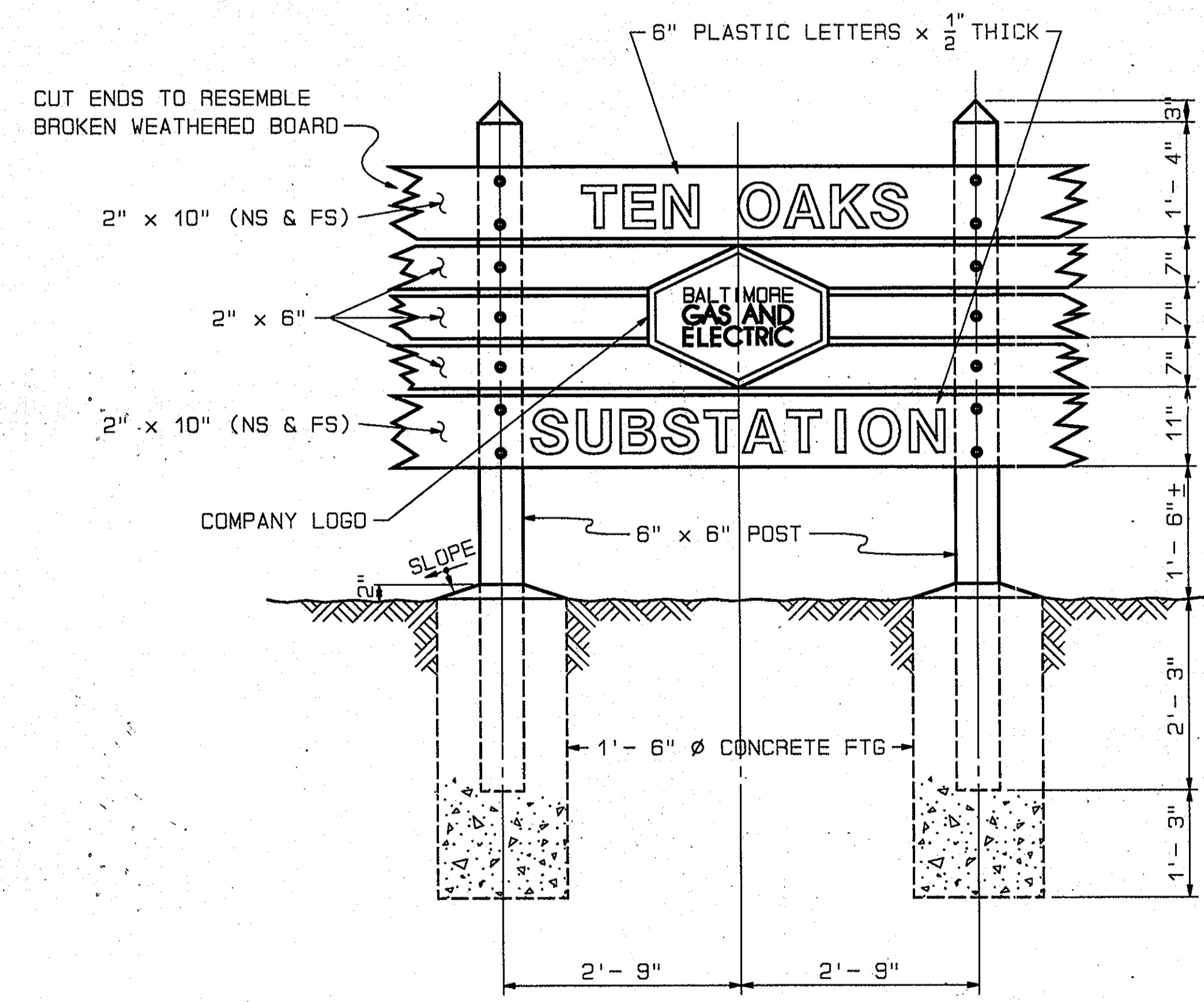
REVIEWED: NO FACILITIES REQUIRED  
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER: *James Helm* DATE: 8/1/90

MATERIAL LIST	
NO REQD	DESCRIPTION
WOOD	
4	2" x 10" x 8'-0" LONG LEAF N. C. PINE (TREATED)
3	2" x 6" x 8'-0" " " " " " "
2	6" x 6" x 8'-0" " " " " " "
BOLTS	
8	1/2" Ø x 10" (GALV)
6	1/2" Ø x 8" (GALV)
28	WASHER FOR 1/2" Ø BOLT
1	COMPANY LOGO - (PAINTED ON PLASTIC OR ASSEMBLED FROM SOLID COLORED PLASTIC)
AS REQD	SUBSTATION NAME LETTERS - 6" HIGH 1/2" RAISED PLASTIC - SAND COLOR



COMPANY LOGO (IN COLORS)



PLANT LIST

SYMBOL	NO REQ'D	NAME	SIZE
1	2	TAXUS MEDIA HATFIELD HATFIELD YEW	3'- 3 1/2"
2	10	ILEX CRENATA "GREEN LUSTRE" JAPANESE HOLLY	18"- 24"
3	6	JUNIPERUS HORIZONTALIS PLUMOSA ANDORRA JUNIPER	15"- 18"

NOTE:  
1. FOR LOCATION SEE DWG 87-726-0.

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.

APPROVED: *John R. Rutherford* DATE: 7/27/90

DATE: 7/27/90 PLAN NUMBER: SHEET 7 of 7

ELECTION DISTRICT NO. 5  
HOWARD COUNTY  
TAX MAP 28  
PARCEL 46, LOT 8

CERTIFICATION BY THE ENGINEER  
"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 A RED-LINED "AS-BUILT" OF THE POND WITHIN 30 DAYS OF COMPLETION."  
*James E. Tamm* DATE: 7/16/90

CERTIFICATION BY THE OWNER  
"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT, POND CONSTRUCTION AND EROSION AND SEDIMENT CONTROL. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE POND WITHIN 30 DAYS OF COMPLETION."  
BALTIMORE GAS & ELECTRIC COMPANY DATE: 7/17/90

REV.	DATE	JOB ORDER & ESTIMATE NO.	DESCRIPTION	APPROVED	ENGINEERING	FILE	SCALE	NONE	REV
-	1990	ECB344 E59M1419	1-25MVA TRANSFORMER & 3-13KV FEEDERS.		CIVIL ..... ELEC. .... PROJ. ENG. .... PRIN. MGR. .... SUPV. ENG. ....				
						SUBSTATION NAME SIGN WITH LANDSCAPING			
						34.5-13KV SUBSTATION			
						TEN OAKS			
						BALTIMORE GAS & ELECTRIC COMPANY			
						DISTRIBUTION & TRANSMISSION ENGINEERING DEPT. SYSTEM ENGINEERING SECTION			
						FILE	SCALE	NONE	REV
						CADD: GDS	MICROFILMED	DWG	NO.
						887744	87-720-D		



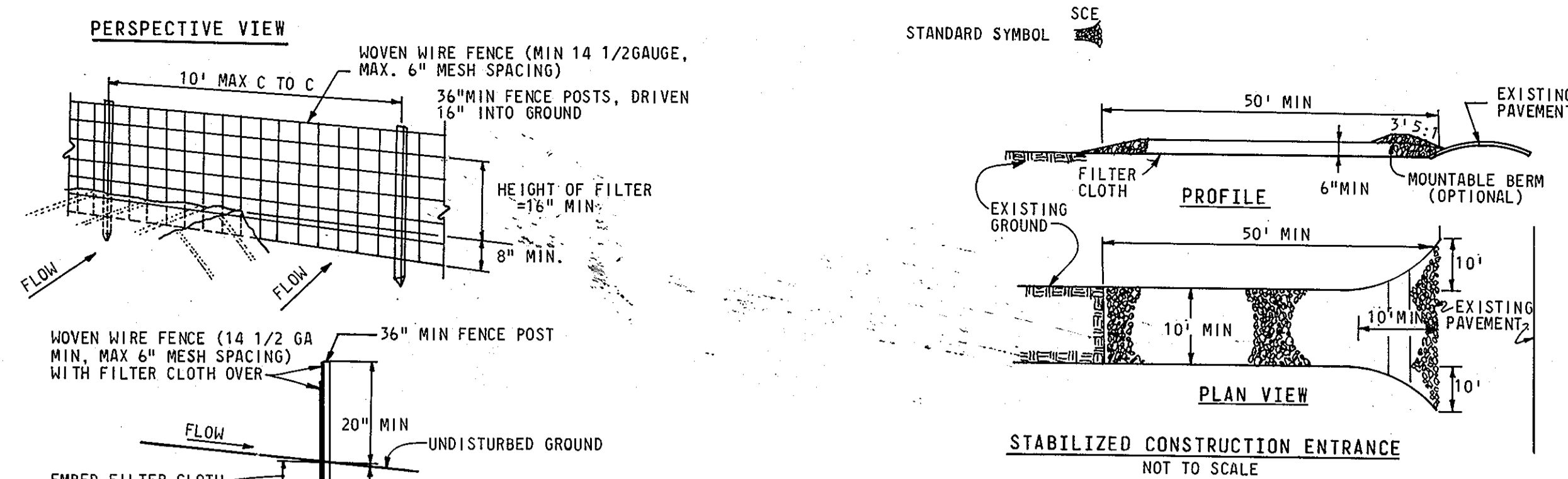
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT PUBLIC WORKS  
 DIRECTOR: *James R. Helm* DATE: *8/27/90*  
 CHIEF BUREAU OF ENGINEERING: *William R. Kelly* DATE: *8/27/90*

APPROVED: HOWARD COUNTY, THE DEPARTMENT OF PLANNING AND ZONING  
 PLANNING DIRECTOR: *James R. Helm* DATE: *8/27/90*  
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT: *James R. Helm* DATE: *8/27/90*

REVIEWED: NO FACILITIES REQUIRED  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: *Joseph B. ...* DATE: *8/7/90*

SEQUENCE OF OPERATIONS

1. OBTAIN REQUIRED PERMITS.....6/90
2. NOTIFY HOWARD COUNTY INSPECTIONS AND PERMITS 24 HOURS PRIOR TO START OF CONSTRUCTION.....6/90
3. CLEAR AND GRUB FOR SEDIMENT CONTROLS.....6/90
4. INSTALL ALL SEDIMENT CONTROLS. FINISH ANY NECESSARY CLEARING AND GRUBBING.....6/90
5. CONSTRUCT STORMWATER MANAGEMENT POND.....6/90
6. GRADE SITE LAY BASE COURSE AND STABILIZE WITH TEMPORARY SEEDING.....6/90
7. CONSTRUCT FACILITIES AND ROADWAY.....7/90
8. SEED AND MULCH EXPOSED AREAS WITH PERMANENT SEEDING. 10/90
9. ONCE SITE IS STABLE AND WITH THE APPROVAL OF SEDIMENT CONTROL INSPECTOR: 10/90
  - a. REMOVE ACCUMULATED SEDIMENT FROM CONTROL AND DISPOSE OF AS DIRECTED BY THE SEDIMENT CONTROL INSPECTOR.
  - b. REMOVE SEDIMENT CONTROLS.
  - c. FINAL GRADING WHERE NECESSARY
  - d. SEED AND MULCH AREAS DISTURBED BY SEDIMENT CONTROLS WITH PERMANENT SEEDING.



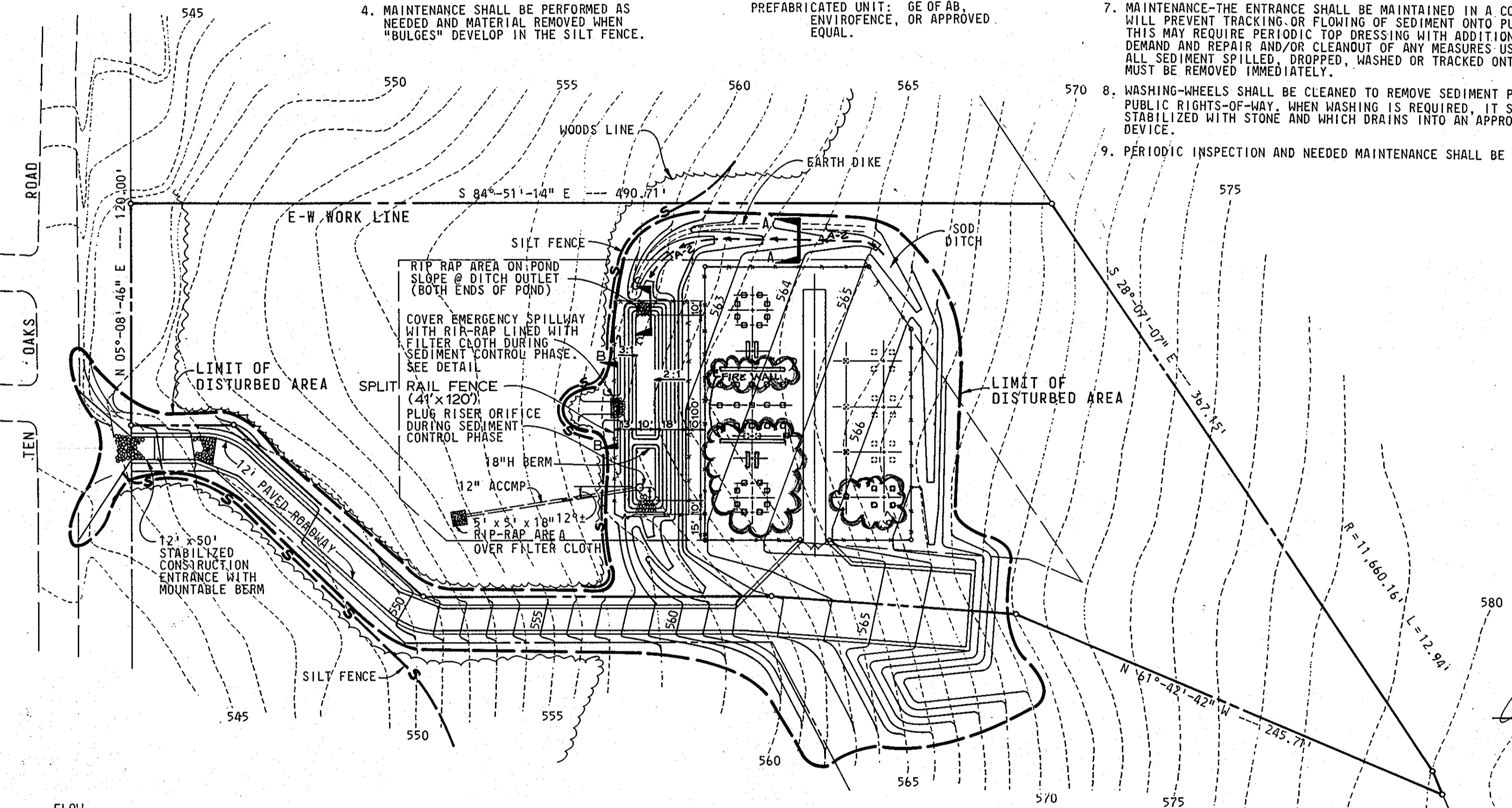
CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

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 "BULGES" DEVELOP IN THE SILT FENCE.
- POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD  
 FENCE: WOVEN WIRE, 14 GA 6" MAX MESH OPENING  
 FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA 1140N OR APPROVED EQUAL.  
 PREFABRICATED UNIT: GE OF AB, ENVIROFENCE, OR APPROVED EQUAL.

- 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 OR 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 MOUNTABLE 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.

- NOTES:
1. SEDIMENT CONTROL: SILT FENCE WILL BE INSTALLED AS SHOWN IN PLAN AND DETAIL ACCORDING TO MARYLAND SOIL CONSERVATION SERVICE SPEC. 01.03 USE REFERENCE PRE-ERECTED SILT FENCE BY CELANESE CORPORATION OR EQUIVALENT. STRAW BALES WILL BE REPLACED DAILY ACROSS ENTRANCE AS NEEDED.
  2. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION. (992-2437).
  3. 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.
  4. 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 SLOPED AND ALL SLOPES GREATER THAN 5:1
    - b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
  5. 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.
  6. 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.
  7. 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.
  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 DPM SEDIMENT CONTROL INSPECTOR.
  10. ON ALL SITE WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF 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.

CONSTRUCTION NORTH



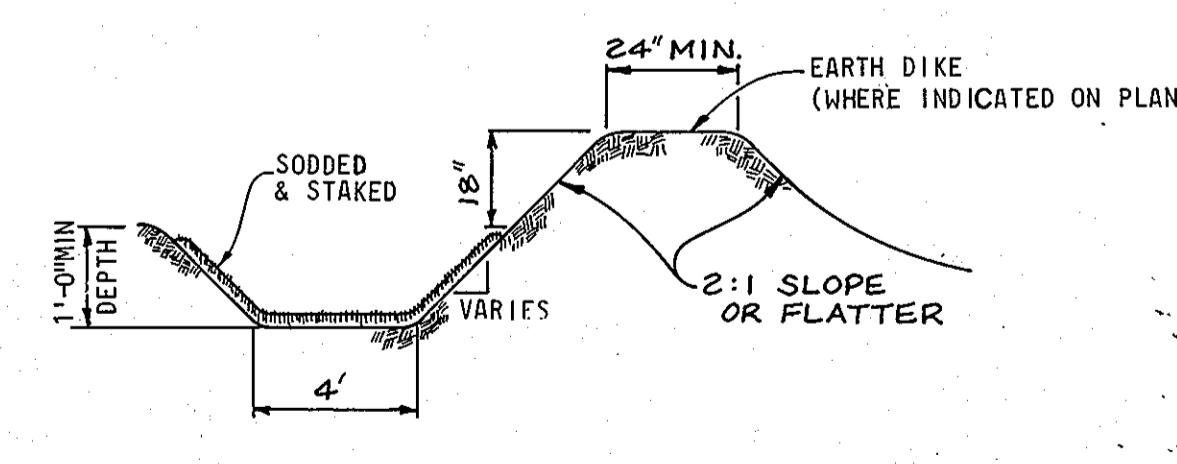
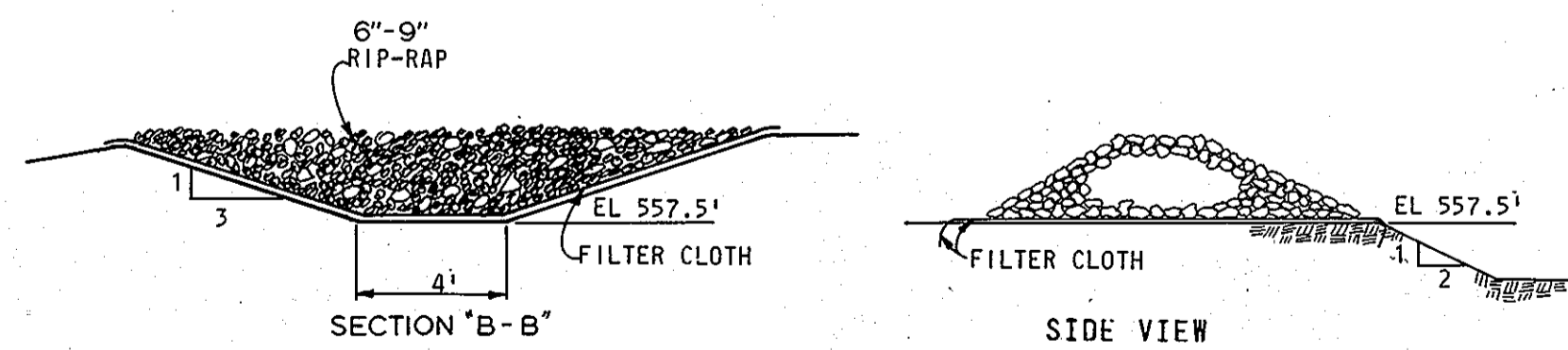
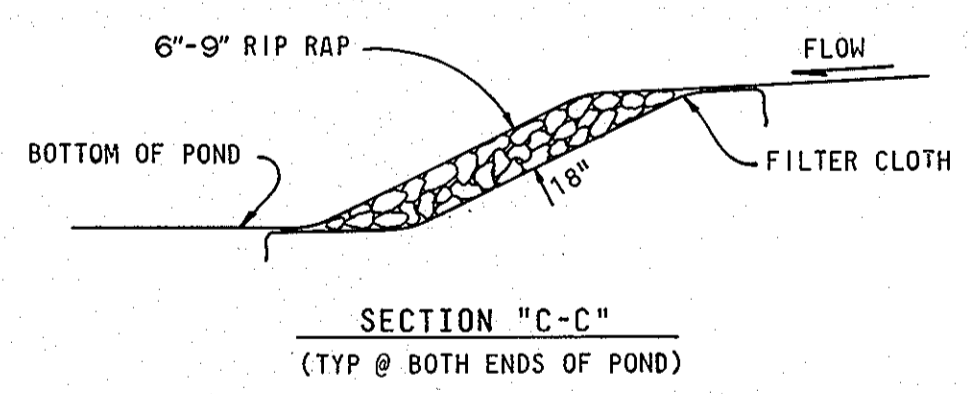
- PERMANENT SEEDING NOTES
- SEEDBED PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS: USE ONE OF THE FOLLOWING SCHEDULES:
1. PREFERRED-APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQUARE FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREA FORM FERTILIZER (9 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 DISC INTO UPPER THREE INCHES OF SOIL.
- SEEDING: FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS PER ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS PER ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS PER ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. 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/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.
- MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS 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 SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDING.

- TEMPORARY SEEDING NOTES
- SEEDBED PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING: IF NOT PREVIOUSLY LOOSENED:
- SOIL AMENDMENTS: APPLY 600 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 2-1/2 BY PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ. FT.) FOR THE PERIOD MAY 1 THRU AUGUST 10, SEED WITH 3 LBS PER ACRE OF WHEEPING 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 1-1/2 TO 2 TONS PER ACRE (70-90 LBS/1000 SQ. FT.) OF UNROTTED 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.

STATE OF MARYLAND  
 PROFESSIONAL ENGINEER  
 ALBERT GODLEY  
 P.E. # 12850  
 FOR REVISION 'B' ONLY  
 PROFESSIONAL CERTIFICATION  
 I 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. 12850, Expiration Date: 2/1/02

EARTH DIKE 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.
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 WILL BE SODDED AND STAKED.
7. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.



ELECTION DISTRICT NO. 5  
 HOWARD COUNTY  
 TAX MAP 28  
 PARCEL 46. LOT 8

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

APPROVED: *James M. Helm* DATE: *7/27/90*  
 SOIL CONSERVATION SERVICE

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

APPROVED: *John R. ...* DATE: *7/27/90*  
 HOWARD S.C.D.

CERTIFICATION BY THE OWNER

"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT, POND CONSTRUCTION AND EROSION AND SEDIMENT CONTROL. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY. DEVIATION FROM THESE PLANS WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT. THIS PLAN WILL INCLUDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED LINE AS DETERMINED BY THE DISTRICT WITHIN 30 DAYS OF COMPLETION."

APPROVED: *David C. Wood* DATE: *7/19/90*  
 BALTIMORE GAS AND ELECTRIC COMPANY

CERTIFICATION BY THE ENGINEER

"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 A RED LINE AS DETERMINED BY THE DISTRICT WITHIN 30 DAYS OF COMPLETION."

APPROVED: *James R. Helm* DATE: *7/16/90*  
 PROFESSIONAL ENGINEER

SHEET 4 of 7

Rev	Date	J.O./Est. No.	Description	Approved	ENGINEERING	SEDIMENT CONTROL PLAN
1990		EC-8344 ES9M1419	25MVA 34.5-13kV TRANSF & 3-13kV FDRS		Civil: <i>[Signature]</i>	
		EC-1036 ES9M1901	1800kvar 34.5kV OPEN BANK CRIP		Proj. Eng: <i>[Signature]</i>	
		EC-8344 ES9M1419	REV PER HOWARD CO COMMENTS		Supv. Eng: <i>[Signature]</i>	34.5-13KV SUBSTATION
		EC-1036 ES9M1901				TEN OAKS
	02/26/91	DO3016	INSTALL 2ND 25MVA 34.5-13kV TRANSF. INSTALL 4-13kV FDRS & 1-13kV FDR. #8064 RELOCATE 15kV FDR #8061 FROM CABLE LANE TO USE.	RTM MAL	DESIGN GROUP	BALTIMORE GAS AND ELECTRIC COMPANY
		DO3016	INSTALL 1-25MVA 138kV TRANSF. OPEN BANK CAPACITOR FOR 3022 TRANSFORMER.		DIST. & TRANSMISSION ENGINEERING DEPT. SYSTEM ENGINEERING SECTION	

File: *[Signature]* Scale: 1" = 50'  
 Microfilm: *[Signature]* Rev: *[Signature]* Dwg: 87-727-E  
 Date: *[Signature]* 30X 5DP-90-196



APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC WORKS  
HOWARD COUNTY DEPARTMENT PUBLIC WORKS

DIRECTOR: *James Z. ...* DATE: 8/27/90

CHIEF, BUREAU OF ENGINEERING: *...* DATE: 8-22-90

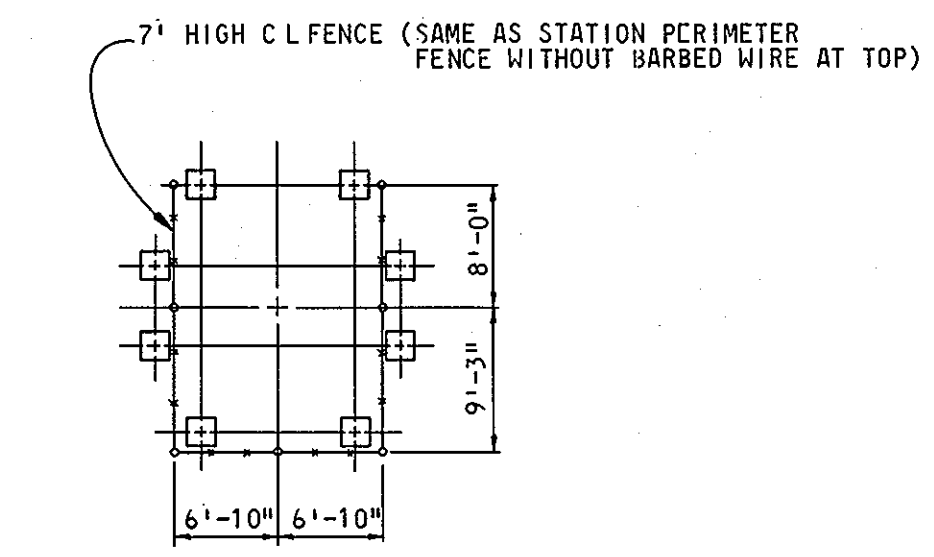
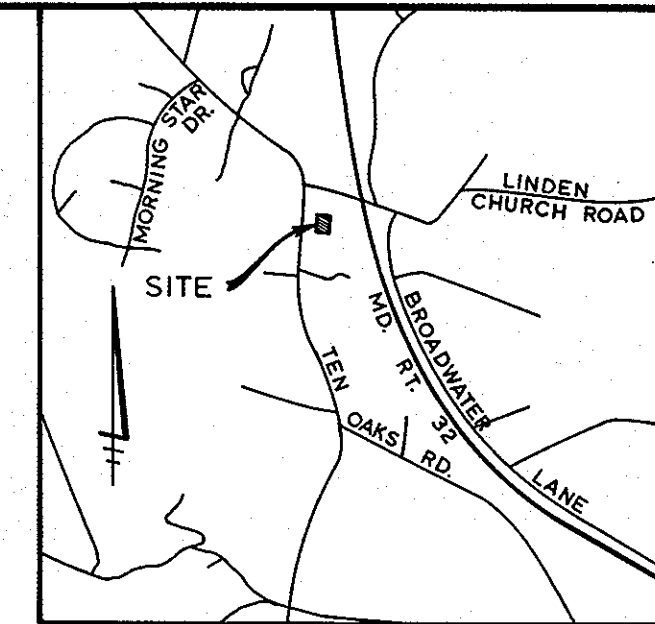
APPROVED: HOWARD COUNTY, THE DEPARTMENT OF PLANNING AND ZONING

PLANNING DIRECTOR: *...* DATE: 8/24/90

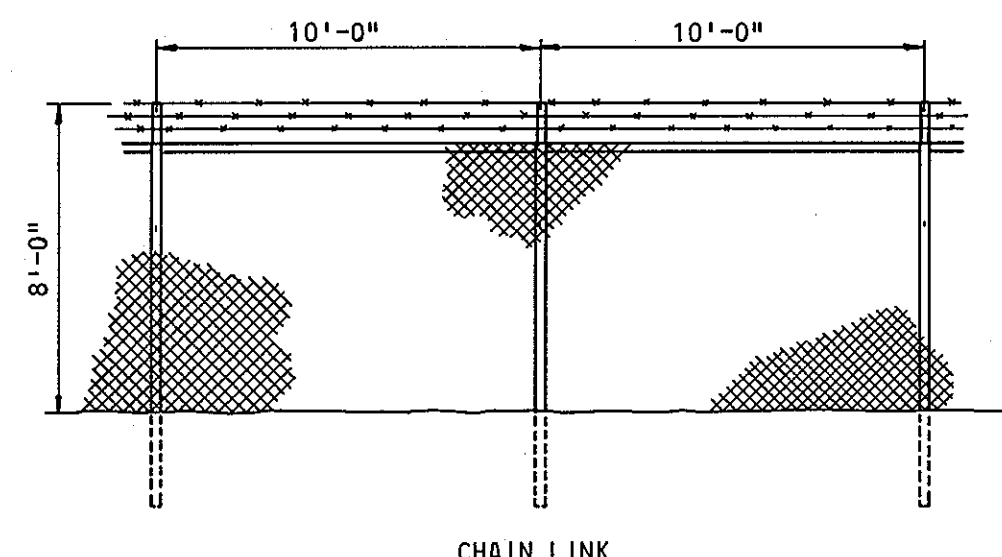
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT: *...* DATE: 8/25/90

REVIEWED: NO FACILITIES REQUIRED  
HOWARD COUNTY HEALTH DEPARTMENT

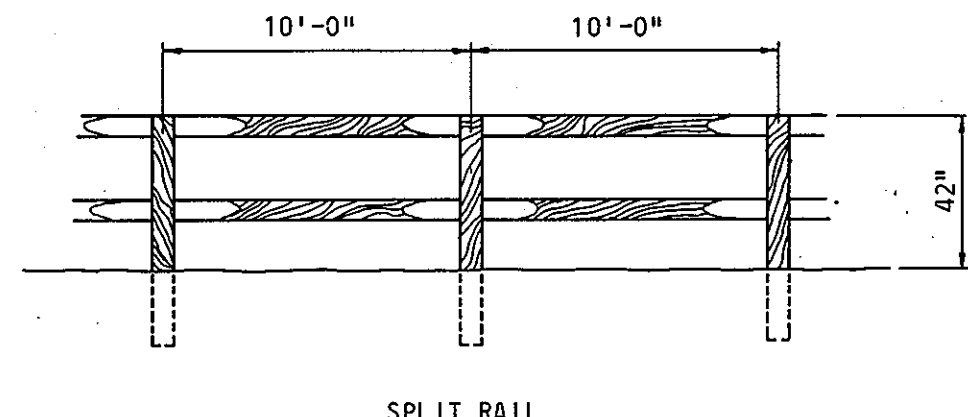
COUNTY HEALTH OFFICER: *...* DATE: 8-7-90



PROTECTIVE BARRIER DETAIL  
SCALE: 1" = 10'



CHAIN LINK  
(AROUND SUBSTATION)

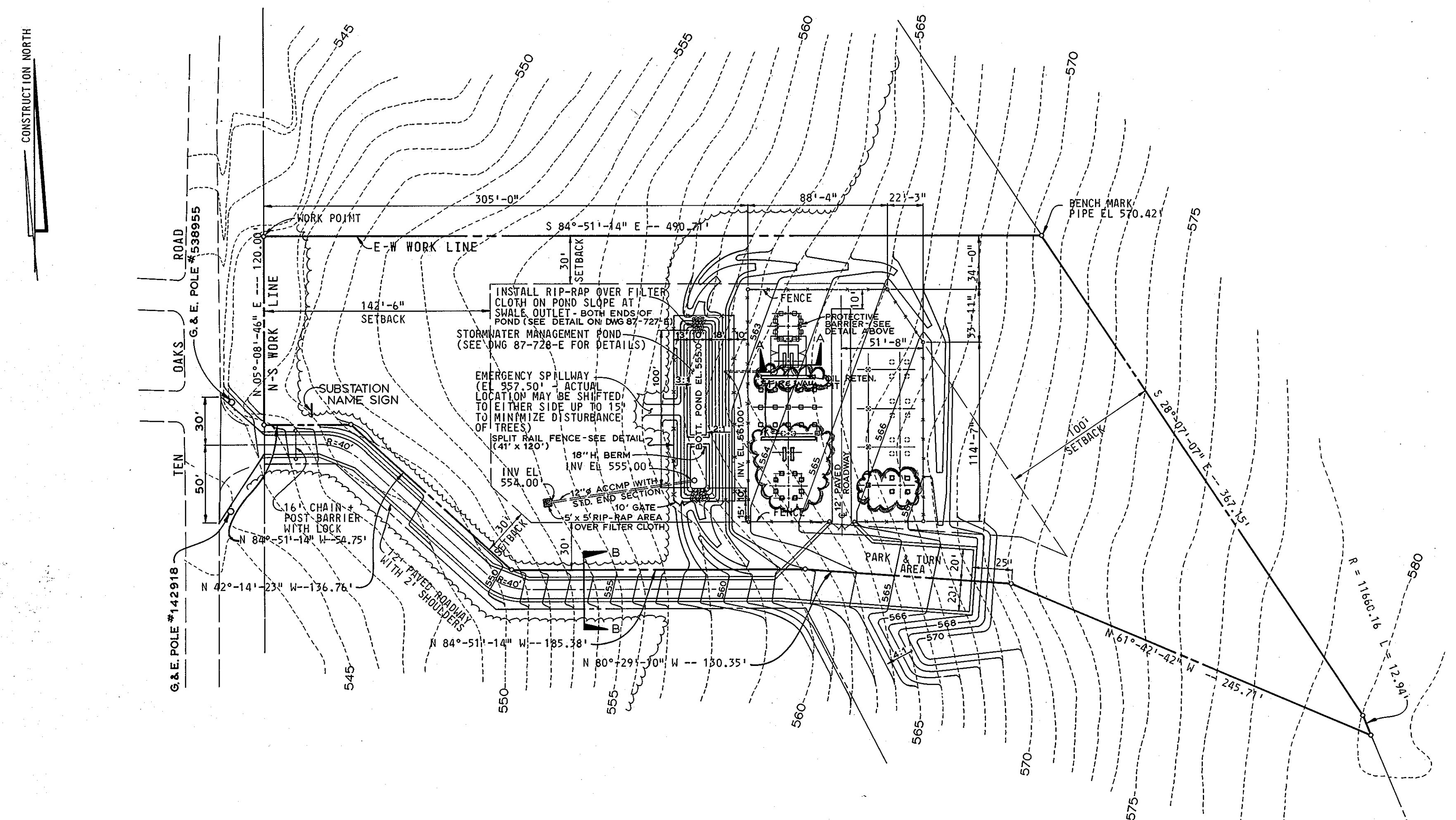


SPLIT RAIL  
(AROUND POND)

FENCE DETAILS  
SCALE: 1/4" = 1'-0"

NOTES:

1. GRADING: DOTTED CONTOUR LINES INDICATE EXISTING TOP OF GRADE. SOLID CONTOUR LINES INDICATE NEW TOP OF GRADE. ALL FILL TO BE WELL COMPACTED TO 95% OF MAXIMUM DENSITY (ASTM D1557-70).
2. FENCE: TO BE CHAIN LINK CONSTRUCTION WITH AN OVERALL HEIGHT OF 8'-0" CONSISTING OF 7'-0" OF FABRIC WITH THREE (3) STRANDS OF BARBED WIRE TURNED OUT.
3. STONE AREA: FENCED IN AREA TO BE COVERED WITH 4" OF STONE COVER OVER NEW GRADE. STONE COVER GRADATION SHALL BE IN ACCORDANCE WITH MARYLAND STATE HIGHWAY ADMINISTRATION SHA-4. STONE SHALL BE GRAY IN COLOR WITH A LOS ANGELES ABRASION RATING LESS THAN 50%.
4. ROADWAY: COMPACT SUBGRADE TO 95% DENSITY AS DETERMINED BY ASTM-1557-70. INSTALL 8" OF CR-467 CRUSHED STONE BASE IN TWO LIFTS AND COMPACT EACH LIFT WITH A 10 TON ROLLER. INSTALL 2" BITUMINOUS BINDER BINDER COURSE (B1 BAND). INSTALL 1" BITUMINOUS CONCRETE SURFACE (SN BAND) AS PER MARYLAND STATE HIGHWAY ADMINISTRATION SPEC.
5. FOR DETAILS OF STORMWATER MANAGEMENT FACILITIES, REFER TO DWG 87-728-E.
6. FOR SEEDING AND STABILIZATION SPECIFICATIONS, REFER TO SEDIMENT CONTROL DWG. 87-727-E.
7. CONSTRUCTION FORCES SHALL MINIMIZE THE DESTRUCTION OF TREES AND OTHER VEGETATION WHEREVER POSSIBLE.
8. TEN OAKS SUBSTATION IS AN UNATTENDED SUBSTATION AND NO PERMANENT EMPLOYEES WILL BE STATIONED ON THE PREMISES.
9. NO WATER SERVICE, SANITARY SEWAGE SERVICE, SUBSURFACE STORM DRAINAGE OR OTHER PLUMBING WILL BE REQUIRED OR INSTALLED.
10. BENCH MARK: PIPE AT NORTHEAST CORNER OF PROPERTY - EL 570.42.



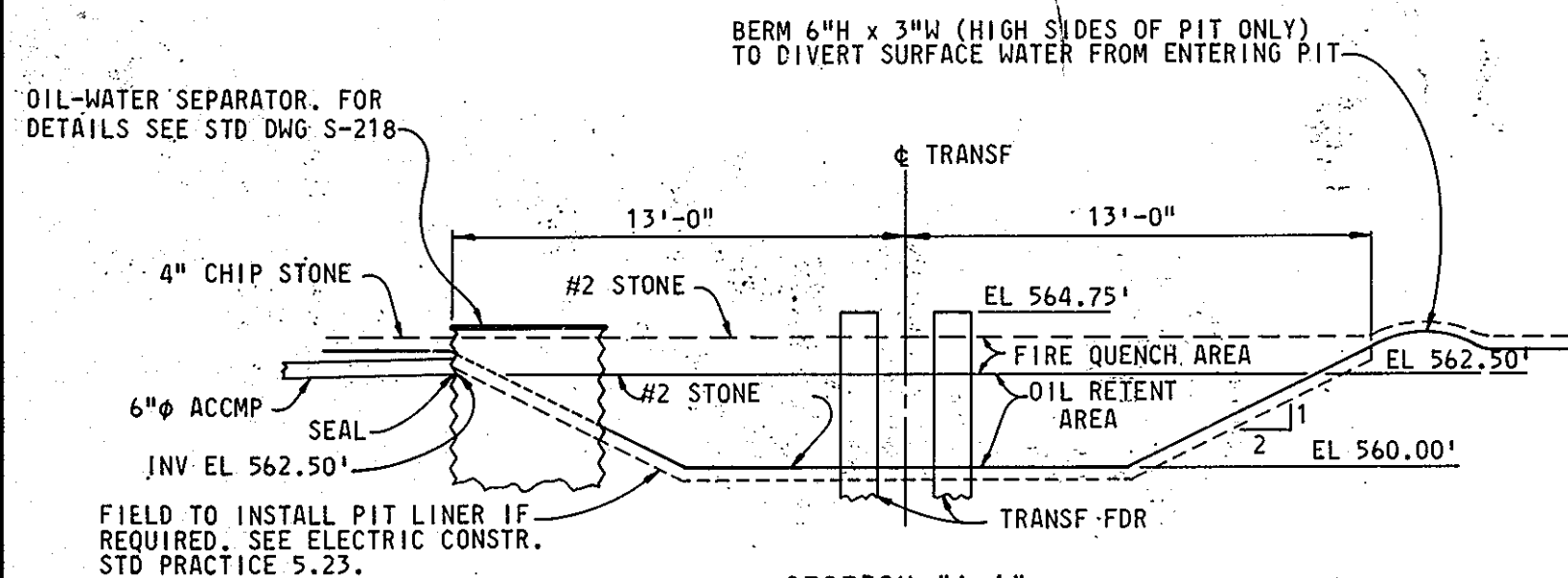
*Albert Godley-Davis* DATE: 7/16/90  
ALBERT GODLEY-DAVIS  
P.E.#12850  
FOR REVISION 'B' ONLY  
PROFESSIONAL CERTIFICATION  
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 12850, Expiration Date: 2/15/98.

THESE PLANS FOR ~~...~~ SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

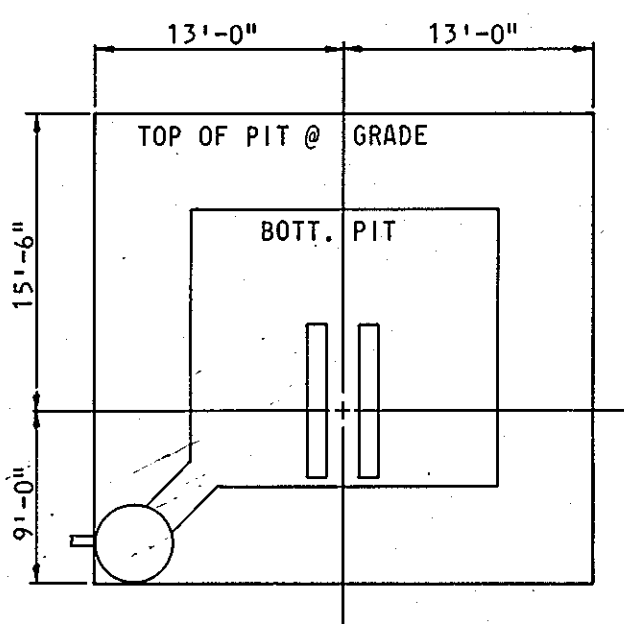
APPROVED: *J. P. ...* DATE: 7/27/90  
HOWARD S.C.D.

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR ~~...~~ SOIL EROSION AND SEDIMENT CONTROL.

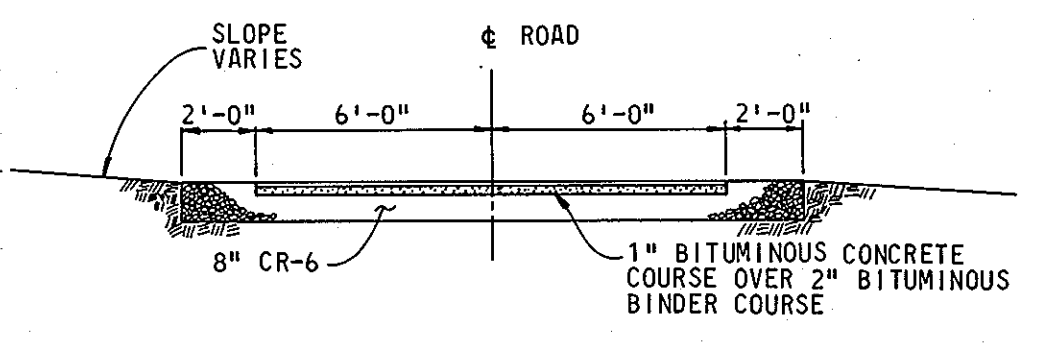
*James M. ...* DATE: 7/27/90  
U.S. SOIL CONSERVATION SERVICE



SECTION "A-A"  
SCALE: 1/4" = 1'-0"



PLAN  
SCALE: 1/8" = 1'-0"



SECTION "B-B" - TYPICAL  
SCALE: 1/8" = 1'-0"



Rev	Date	J.O./Est. No.	Description	Approved	ENGINEERING	DESIGN GROUP	FILE	Scale	Rev.
	1990	EC-8344 E59M1419	25MVA 34.5-13KV TRANSF. & 3-13KV FDRS.		Civil: <i>...</i> Elec: <i>...</i> Proj. Eng: <i>...</i> Prin. Eng: <i>...</i> Supr. Eng: <i>...</i>	BALTIMORE GAS AND ELECTRIC COMPANY DISTRIBUTION & TRANSMISSION ENGINEERING DEPT. SYSTEM ENGINEERING SECTION	File	Scale 1" = 50'	B
A		EC-1036 E59M1901	1800V VAP 34.5KV OPEN RACK CAP						
		EC-8344 E59M1419	REV PER HOWARD CO. COMMENTS						
		EC-1036 E59M1901							
B	6/28/91	D02016	INSTALL 2nd 25MVA 34.5-13KV TRANSF. INSTALL 4-15KV FDR FOR 1-13KV FDR FROM CUBICLE UP TO 13.8KV FROM CUBICLE UP TO 13.8KV						
		D01806	INSTALL 1-34.5KV 1800V OPEN RACK CAPACITOR FOR # 25-2 TRANSFORMER.						

ELECTION DISTRICT NO. 5  
HOWARD COUNTY  
TAX MAP 28  
PARCEL 46. LOT 8

CERTIFICATION BY THE OWNER  
"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT, POND CONSTRUCTION AND EROSION AND SEDIMENT CONTROL. I ALSO AUTHORIZE PERSONS ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT."  
*David C. Wood* DATE: 7/19/90  
BALTIMORE GAS AND ELECTRIC COMPANY

CERTIFICATION BY THE ENGINEER  
"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 A RELEASE LETTER TO THE HOWARD SOIL CONSERVATION DISTRICT."  
*Albert Godley-Davis* DATE: 7/16/90



APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR: *Roman P. ...* DATE: *8/27/90*  
CHIEF, BUREAU OF ...  
OF ENGINEERING: ... DATE: ...

APPROVED: HOWARD COUNTY, DEPARTMENT OF PLANNING AND ZONING

PLANNING DIRECTOR: *James ...* DATE: *8/28/90*  
CHIEF, DIVISION OF ...  
COMMUNITY PLANNING AND LAND DEVELOPMENT: ... DATE: *8/28/90*

REVIEWED: NO FACILITIES REQUIRED  
HOWARD COUNTY HEALTH DEPARTMENT

*James ...* 8/7/90  
COUNTY HEALTH OFFICER DATE

ERNEST BOUCHARD  
5349 BROADWATER LA.  
CLARKSVILLE, MD. 21029

BARNESLEY WILLIAMS  
13210 LINDEN CHURCH RD.  
CLARKSVILLE, MD. 21029

JOHN M STUART  
13125 LINDEN CHURCH RD.  
CLARKSVILLE, MD. 21029

WILLIAM F ENDY, JR.  
5073 TEN OAKS RD  
CLARKSVILLE, MD 21029

JAMES G MELONAS  
5093 TEN OAKS RD.  
CLARKSVILLE, MD 21029

GEORGE KRESSLEY  
5090 TEN OAKS RD.  
CLARKSVILLE, MD. 21029

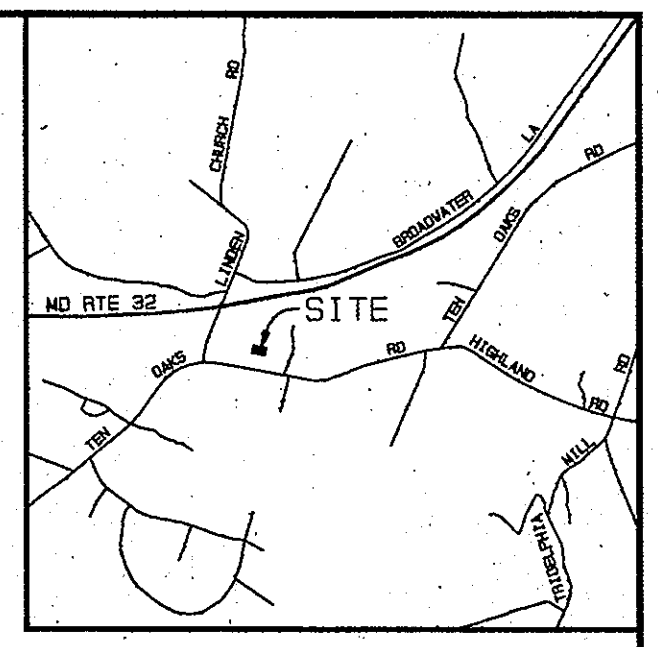
DAVID J EDWARDS  
13204 BELLAMAH NE  
ALBUQUERQUE, NM. 87112

ROBERT E BITTNER  
5120 TEN OAKS RD.  
CLARKSVILLE, MD. 21029

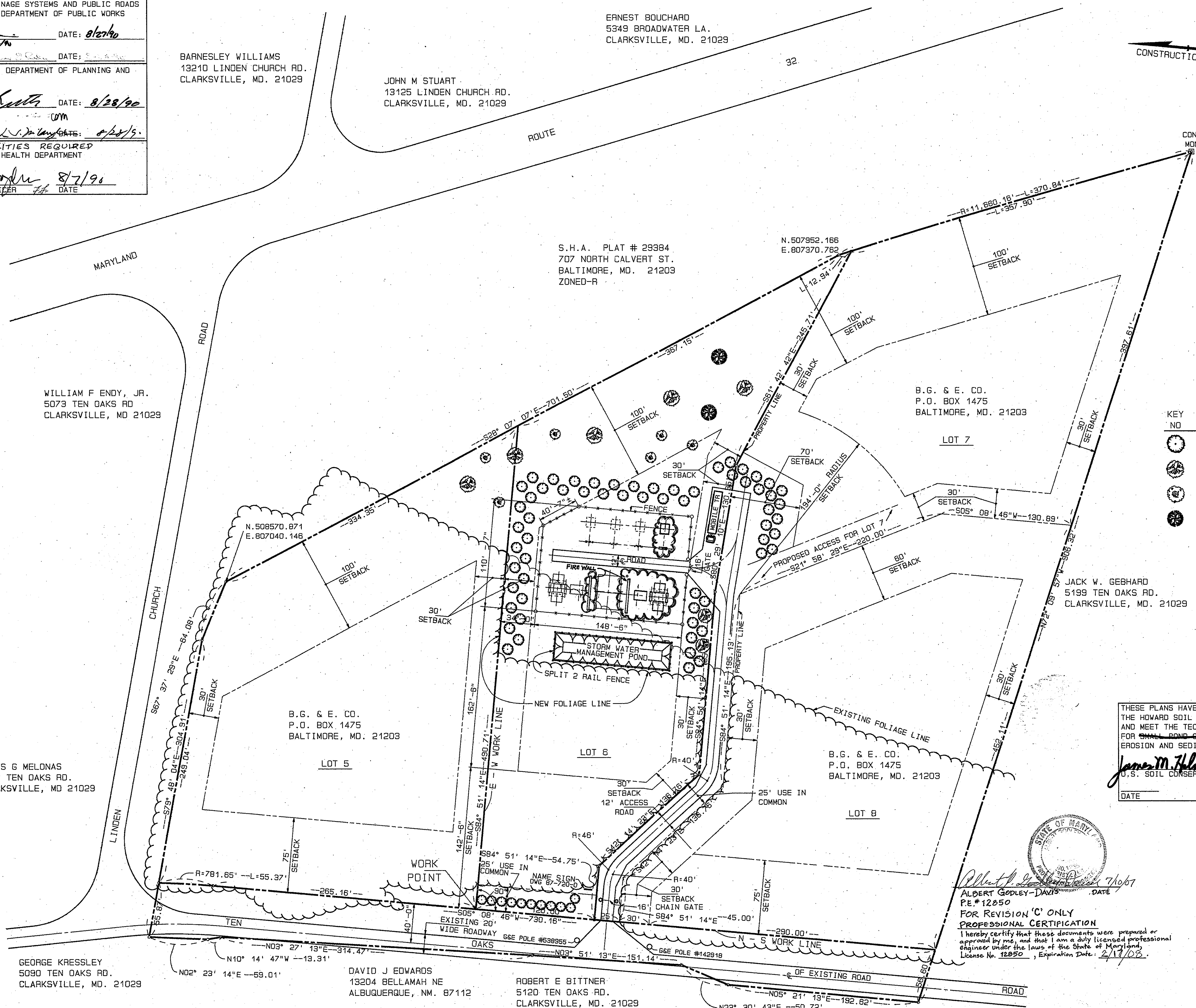
EDWIN X TRAVERS  
5170 TEN OAKS RD.  
CLARKSVILLE, MD: 21029

DONALD R STONER  
5178 TEN OAKS RD.  
CLARKSVILLE, MD. 21029

CONSTRUCTION NORTH



VICINITY PLAN  
1" = 2000'



PLANT LIST

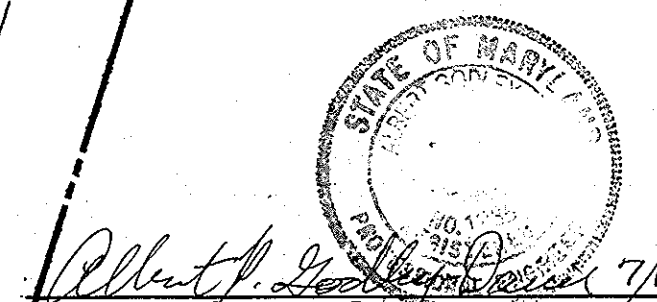
KEY NO	NO REQ'D	NAME	SIZE
72		PICEA EXCELSA NORWAY SPRUCE	5' - 6' B & B
7		MALUS RADIANT FLOWERING CRAB	6' - 8' B & B 1 1/2" - 1 3/4" CAL.
6		PYRUS CALLERYANA REDSPIRE REDSPIRE PEAR	9' - 11' B & B 1 1/2" - 1 3/4" CAL.
2		SALIX ELEGANTISSIMA NIOBE WEEPING WILLOW	10' - 12' B & B 2" - 2 1/2" CAL.

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.

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

APPROVED: *James M. ...* DATE: *7/27/90*

DATE: \_\_\_\_\_ PLAN NUMBER: \_\_\_\_\_



ALBERT GODLEY-DAVIS  
P.E. #12850  
FOR REVISION 'C' ONLY  
PROFESSIONAL CERTIFICATION  
I 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. 12850, Expiration Date: *7/17/92*.

GENERAL NOTES:

- BEARINGS & DISTANCES AS SHOWN ARE REFERRED TO THE STATE OF MARYLAND GRID MERIDIAN.
- DOTTED LINES INDICATE FUTURE EXPANSION.

ELECTION DISTRICT NO. 5  
HOWARD COUNTY  
TAX MAP 28  
PARCEL 46, LOT B

**CERTIFICATION BY THE ENGINEER**  
"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 A RED LINED 'AS BUILT' OF THE POND WITHIN 90 DAYS OF COMPLETION."

DATE: \_\_\_\_\_

**CERTIFICATION BY THE OWNER**  
"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT, POND CONSTRUCTION AND EROSION AND SEDIMENT CONTROL. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED LINED 'AS BUILT' OF THE POND WITHIN 90 DAYS OF COMPLETION."

DATE: *7/27/90*

EDWIN X TRAVERS  
5170 TEN OAKS RD.  
CLARKSVILLE, MD: 21029

DONALD R STONER  
5178 TEN OAKS RD.  
CLARKSVILLE, MD. 21029

REV.	DATE	JOB ORDER & ESTIMATE NO.	DESCRIPTION	APPROVED	ENGINEERING
1989		EC8344 ES9M1419	INSTLN OF 1-25MVA TRANSF & 3-13KV FEEDERS		CIVIL ELEC. PROJ. ENG. JSE PRIN. ENGR. JSE SUPV. ENG. JSE
A	4-9-90	EC8344 ES9M1419	ENTIRE STATION RELOCATED.		
B		EC8344 ES9M1419	REVISED PER COUNTY.		
C	6-28-90	003016 D01386	INSTALL 240 25MVA 24.5-13.8KV TRANSF. INSTALL 4-12KV FDR PDS & 1-13KV FDR PDS. RELOCATE 13KV FDR PDS FROM CABLE DR. TO UG. INSTALL 1-34.5KV BACKUP OPEN RACK CAPACITOR FOR 352 TRANSFORMER.	KTM/MAL	DESIGN GROUP CHECKED DRAWN CHECKED APPROVED DATE: 2/28/93 CADD: GDS

PROPOSED LANDSCAPING  
34.5 - 13KV SUBSTATION  
TEN OAKS  
BALTIMORE GAS & ELECTRIC COMPANY  
DISTRIBUTION & TRANSMISSION ENGINEERING DEPT  
SYSTEM ENGINEERING SECTION  
FILE NO. \_\_\_\_\_ SCALE 1" = 50'  
DWG NO. 87-7 18-E  
REV. C



APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR: *James M. Helm* DATE: 8/27/90  
 CHIEF, BUREAU OF ENGINEERING

APPROVED: HOWARD COUNTY, DEPARTMENT OF PLANNING AND ZONING

PLANNING DIRECTOR: *James M. Helm* DATE: 8/28/90  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

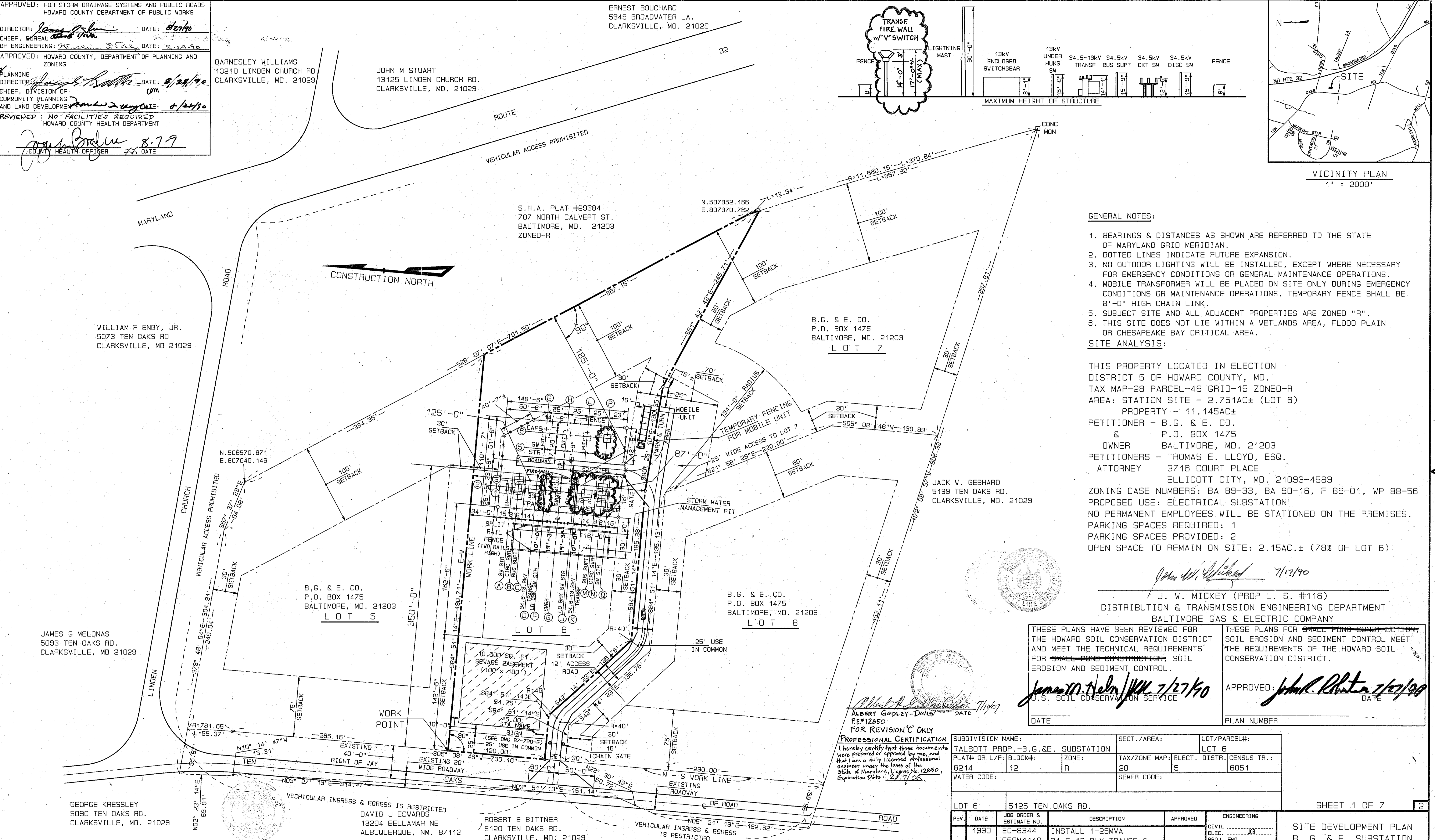
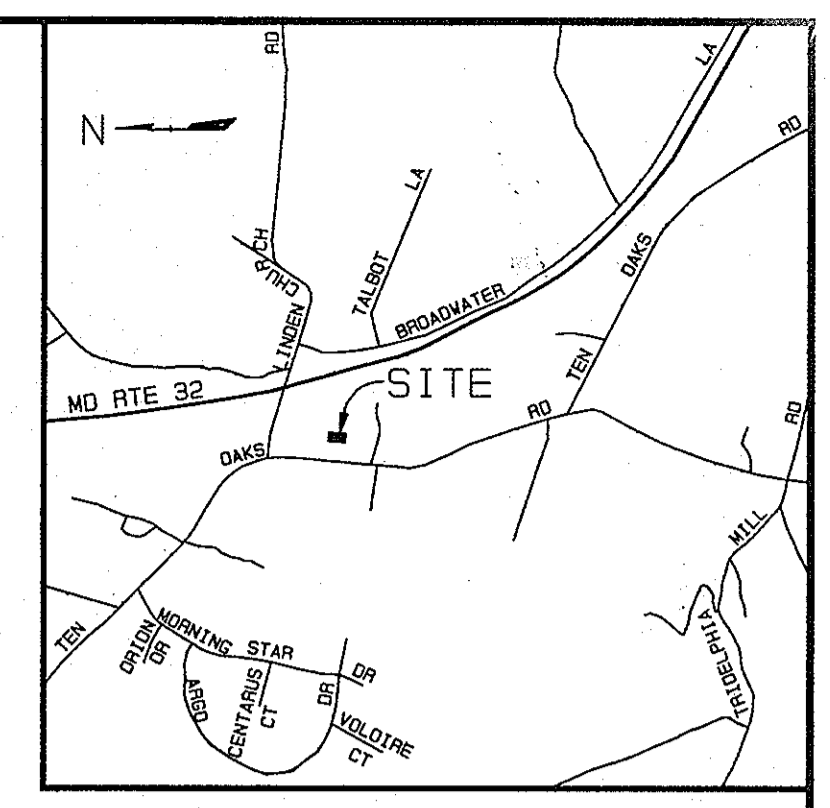
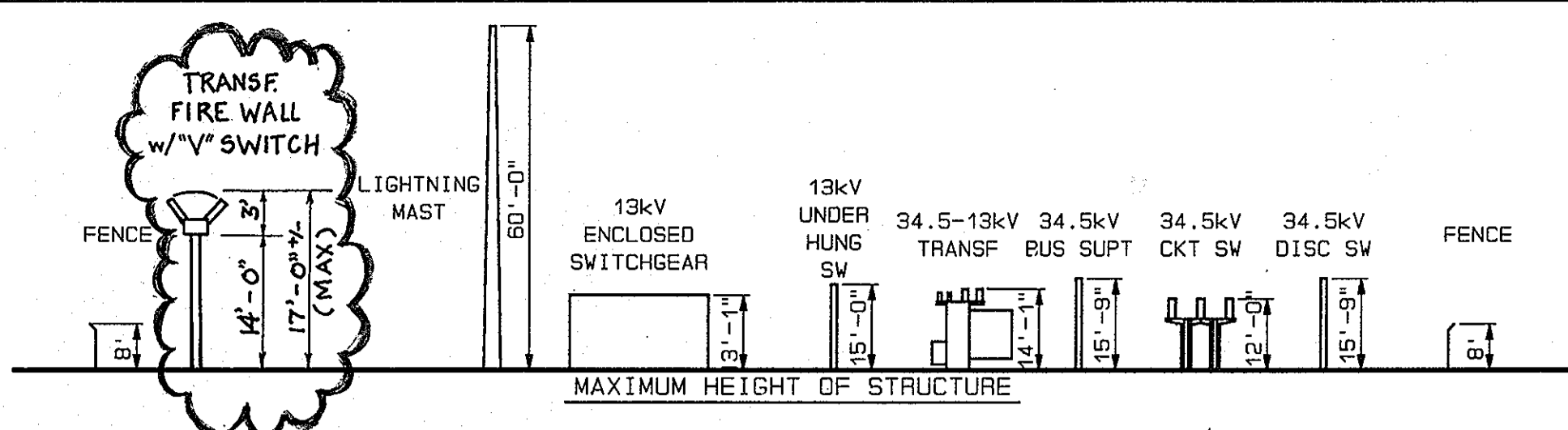
REVIEWED: NO FACILITIES REQUIRED  
 HOWARD COUNTY HEALTH DEPARTMENT

*James M. Helm* 8-7-9  
 COUNTY HEALTH OFFICER DATE

ERNEST BOUCHARD  
 5349 BROADWATER LA.  
 CLARKSVILLE, MD. 21029

BARNESLEY WILLIAMS  
 13210 LINDEN CHURCH RD  
 CLARKSVILLE, MD. 21029

JOHN M STUART  
 13125 LINDEN CHURCH RD.  
 CLARKSVILLE, MD. 21029



GENERAL NOTES:

1. BEARINGS & DISTANCES AS SHOWN ARE REFERRED TO THE STATE OF MARYLAND GRID MERIDIAN.
2. DOTTED LINES INDICATE FUTURE EXPANSION.
3. NO OUTDOOR LIGHTING WILL BE INSTALLED, EXCEPT WHERE NECESSARY FOR EMERGENCY CONDITIONS OR GENERAL MAINTENANCE OPERATIONS.
4. MOBILE TRANSFORMER WILL BE PLACED ON SITE ONLY DURING EMERGENCY CONDITIONS OR MAINTENANCE OPERATIONS. TEMPORARY FENCE SHALL BE 8'-0" HIGH CHAIN LINK.
5. SUBJECT SITE AND ALL ADJACENT PROPERTIES ARE ZONED "R".
6. THIS SITE DOES NOT LIE WITHIN A WETLANDS AREA, FLOOD PLAIN OR CHESAPEAKE BAY CRITICAL AREA.

SITE ANALYSIS:

THIS PROPERTY LOCATED IN ELECTION DISTRICT 5 OF HOWARD COUNTY, MD. TAX MAP-28 PARCEL-46 GRID-15 ZONED-R AREA: STATION SITE - 2.751AC± (LOT 6) PROPERTY - 11.145AC±

PETITIONER - B.G. & E. CO. & P.O. BOX 1475 OWNER BALTIMORE, MD. 21203

PETITIONERS - THOMAS E. LLOYD, ESQ. ATTORNEY 3716 COURT PLACE ELLICOTT CITY, MD. 21093-4589

ZONING CASE NUMBERS: BA 89-33, BA 90-16, F 89-01, WP 88-56 PROPOSED USE: ELECTRICAL SUBSTATION

NO PERMANENT EMPLOYEES WILL BE STATIONED ON THE PREMISES. PARKING SPACES REQUIRED: 1 PARKING SPACES PROVIDED: 2 OPEN SPACE TO REMAIN ON SITE: 2.15AC.± (78% OF LOT 6)

J. W. MICKEY (PROP L. S. #116)  
 DISTRIBUTION & TRANSMISSION ENGINEERING DEPARTMENT  
 BALTIMORE GAS & ELECTRIC COMPANY

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.

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

APPROVED: *James M. Helm* 7/27/90  
 U.S. SOIL CONSERVATION SERVICE DATE

APPROVED: *John R. Tienman* 7/16/90  
 DATE

ALBERT GODLEY-DAVIS 7/19/90  
 P.E.#12050  
 FOR REVISION 'C' ONLY  
 PROFESSIONAL CERTIFICATION  
 I 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. 12050, Expiration Date: 2/17/05.

SUBDIVISION NAME: TALBOTT PROP. - B.G. & E. SUBSTATION		SECT./AREA: 28	LOT/PARCEL#: LOT 6
PLAT# OR L/F: BLOCK#: 8214 12	ZONE: R	TAX/ZONE MAP: ELECT. DISTR.: 28 5	CENSUS TR.: 6051
WATER CODE:		SEWER CODE:	

LOT 6		5125 TEN OAKS RD.		SHEET 1 OF 7	
REV.	DATE	JOB ORDER & ESTIMATE NO.	DESCRIPTION	APPROVED	ENGINEERING
	1990	EC-B344 E59M1419	INSTALL 1-25MVA 34.5-13.8kV TRANSF & 3-13kV FEEDERS		CIVIL ..... ELEC. ENG. .... PROJ. MGR. .... PRIN. ENG. .... SUPV. ENG. ....
		EC-1036 E58M1901	INSTALL 1-1800kvar 34.5kV OPEN RACK CAPACITOR		DESIGN GROUP
A			ENTIRE STATION RELOCATED	CRS	DESIGNED ..... CHECKED ..... DRAWN ..... APPROVED ..... DATE: 6-20-89
B			REVISED PER COUNTY	CRS	FILE ..... SCALE 1" = 50'
C	JUNE 2007	D03016 D01286	INSTALL 2ND 25MVA 34.5-13.8kV TRANSF. INSTALL 4-13kV FOR POS & 1-18kV FOR #8664. RELOCATE 13kV FOR #8681 FROM CURBULE TO TO USE. INSTALL 1-34.5kV 1800KVAR OPEN RACK CAPACITOR FOR #32-2 TRANSFORMER.	CRS RTM MHL	DATE: 6-20-89
				CADD: GDS	MICROFILMED ORIG. ET REV. DNG MD. 87-718-F

ELECTION DISTRICT NO. 5

HOWARD COUNTY  
 TAX MAP 28  
 PARCEL 46, LOT 8

CERTIFICATION BY THE ENGINEER  
 "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 A RED-LINED "AS-BUILT" OF THE POND WITHIN 90 DAYS OF COMPLETION."

*John R. Tienman* 7/16/90  
 DATE

CERTIFICATION BY THE OWNER  
 "I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT, POND CONSTRUCTION AND EROSION AND SEDIMENT CONTROL. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH A RED-LINED "AS-BUILT" OF THE POND WITHIN 90 DAYS OF COMPLETION."

*David C. Ward* 7/19/90  
 BALTIMORE GAS & ELECTRIC COMPANY DATE

EDWIN X TRAVERS  
 5170 TEN OAKS RD.  
 CLARKSVILLE, MD. 21029

DONALD R STONER  
 5178 TEN OAKS RD.  
 CLARKSVILLE, MD. 21029

GEORGE KRESSLEY  
 5090 TEN OAKS RD.  
 CLARKSVILLE, MD. 21029

ROBERT E BITTNER  
 5120 TEN OAKS RD.  
 CLARKSVILLE, MD. 21029