

- GENERAL NOTES:**
- SUBJECT PROPERTY IS LOCATED ON TAX MAP 24, PART OF PARCEL 64.
 - PLAT REFERENCE: 6876-6879
 - PRESENT ZONING IS: R-20 (RESIDENTIAL-SINGLE)
 - MINIMUM SETBACKS:
FRONT: 50' (LOTS 20,000 S.F.)
40' (LOTS 20,000 S.F.)
SIDE: 30' (FROM PUBLIC R/W)
REAR: 10'
 - TYPICAL HOUSE DIMENSIONS, SCHEMATIC PROFILE, DETAILS, SEDIMENT CONTROL NOTES AND SPECIFICATIONS CAN BE FOUND ON SHEET 4 OF 4.
 - SITE ANALYSIS:
A. TOTAL NUMBER OF LOTS: 41
B. TOTAL NUMBER OF UNITS: 14,974 AC. ±
 - STREET TREES WILL BE PROVIDED UNDER F-86-155 BY THE DEVELOPER-FONT HILL GOLF COURSE, INC.
 - STORMWATER MANAGEMENT IS PROVIDED UNDER F-86-155.
 - THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION DIVISION, 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK ON 792-2630.
 - THE EXISTING STRUCTURES ON LOTS 31, 32, 34, 35, 37, 38, 39 AND 40 WILL BE RAZED.
 - EXISTING TOPOGRAPHY SHOWN WAS PROVIDED BY PHOTO SCIENCE, INC. 7840-AIRPARK ROAD; MONTGOMERY AIRPARK; GAITHERSBURG, MARYLAND 20879.

VICINITY MAP
SCALE: 1" = 1000'

CONSTRUCTION SEQUENCE:

- OBTAIN GRADING PERMIT. INSPECT EXISTING SEDIMENT TRAPS AND MAKE ANY NECESSARY REPAIRS OR MAINTENANCE TO THE TRAPS PRIOR TO BEGINNING ANY WORK SHOWN HEREON.
- CONSTRUCT STONE CONSTRUCTION ENTRANCE FOR LOTS.
- INSTALL STRAW BALE DIKE OR SILT FENCE ON LOTS AS REQUIRED.
- CLEAR AND GRUB HOUSE SITES TO SUBGRADE.
- EXCAVATE FOR FOUNDATIONS AND BEGIN HOUSE CONSTRUCTION.
- SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT TRAPS WHEN THE CLEANOUT ELEVATION HAS BEEN REACHED.
- THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON, AFTER EACH RAINFALL AND ON A DAILY BASIS.
- THE SEDIMENT TRAP SHALL BE DEWATERED BY PUMPING. THE SEDIMENT FROM THE TRAPS SHALL BE PLACED UP-GRADE FROM THE SEDIMENT TRAPS IN SUCH A MANNER AS NOT TO INTERFERE WITH CONSTRUCTION OPERATIONS OR CAUSE EROSION DOWNGRADE FROM THE SEDIMENT TRAPS.
- STORM DRAINS MUST EMPTY INTO SEDIMENT TRAPS.
- REMOVE SEDIMENT FROM ROADWAYS AND DRESS STONE CONSTRUCTION ENTRANCE AS REQUIRED.
- FINE GRADE LOTS AND STABILIZE. INSTALL DRIVEWAYS AND SIDEWALKS.
- REMOVE STRAW BALE DIKE OR SILT FENCE AND STABILIZE.
- AFTER PERMISSION HAS BEEN GIVEN BY SEDIMENT CONTROL INSPECTOR, BACKFILL SEDIMENT TRAPS. STORM DRAIN CONSTRUCTION WILL BE COMPLETED AFTER CONTRIBUTING DRAINAGE AREAS ARE STABILIZED AND TRAPS HAVE BEEN REMOVED. STABILIZE ALL REMAINING DISTURBED AREAS WITH PERMANENT SEEDING MIXTURE AND STRAW MULCH.

NOTE: SIZE AND LOCATION OF EXISTING SEDIMENT TRAPS MAY HAVE TO BE MOVED OR ADJUSTED TO AVOID STORM DRAIN CONSTRUCTION, BUT ONLY WITH APPROVAL AND PERMISSION BY THE SEDIMENT CONTROL INSPECTOR.

ADDRESS CHART

LOT NO.	STREET ADDRESS	LOT NO.	STREET ADDRESS
1	10201 TUSCANY ROAD	23	10263 GLOBE DRIVE
2	10205 TUSCANY ROAD	24	10264 GLOBE DRIVE
3	10209 TUSCANY ROAD	25	10265 GLOBE DRIVE
4	10213 TUSCANY ROAD	26	10266 GLOBE DRIVE
5	10217 TUSCANY ROAD	27	10267 GLOBE DRIVE
6	10221 TUSCANY ROAD	28	10268 GLOBE DRIVE
7	10225 TUSCANY ROAD	29	10269 GLOBE DRIVE
8	10229 TUSCANY ROAD	30	10270 GLOBE DRIVE
9	10233 TUSCANY ROAD	31	10271 GLOBE DRIVE
10	10237 TUSCANY ROAD	32	10272 GLOBE DRIVE
11	10241 TUSCANY ROAD	33	10273 GLOBE DRIVE
12	10245 TUSCANY ROAD	34	10274 GLOBE DRIVE
13	10249 TUSCANY ROAD	35	10275 GLOBE DRIVE
14	10253 TUSCANY ROAD	36	10276 GLOBE DRIVE
15	10257 TUSCANY ROAD	37	10277 GLOBE DRIVE
16	10261 TUSCANY ROAD	38	10278 GLOBE DRIVE
17	10265 TUSCANY ROAD	39	10279 GLOBE DRIVE
18	10269 TUSCANY ROAD	40	10280 GLOBE DRIVE
19	10273 TUSCANY ROAD	41	10281 GLOBE DRIVE
20	10277 TUSCANY ROAD	42	10282 GLOBE DRIVE
21	10281 TUSCANY ROAD		
22	10285 TUSCANY ROAD		

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE: 7-10-86



FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERS & LAND SURVEYORS.
8388 COURT AVENUE
ELLICOTT CITY, MARYLAND 21043
(301) 461-2855

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

Signature: Charles J. Carter
DATE: 9/22/86

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

Signature: Gordon E. Swanson
DATE: 9/22/86

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
Signature: James M. Doherty
DATE: 9-23-86
U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED:
Signature: Stephen P. Fisher
DATE: 9/23/86
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: OFFICE OF PLANNING AND ZONING
Signature: Thomas J. Harnish
DATE: 9-30-86
PLANNING DIRECTOR

Signature: Charles J. Carter
DATE: 9-20-86
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

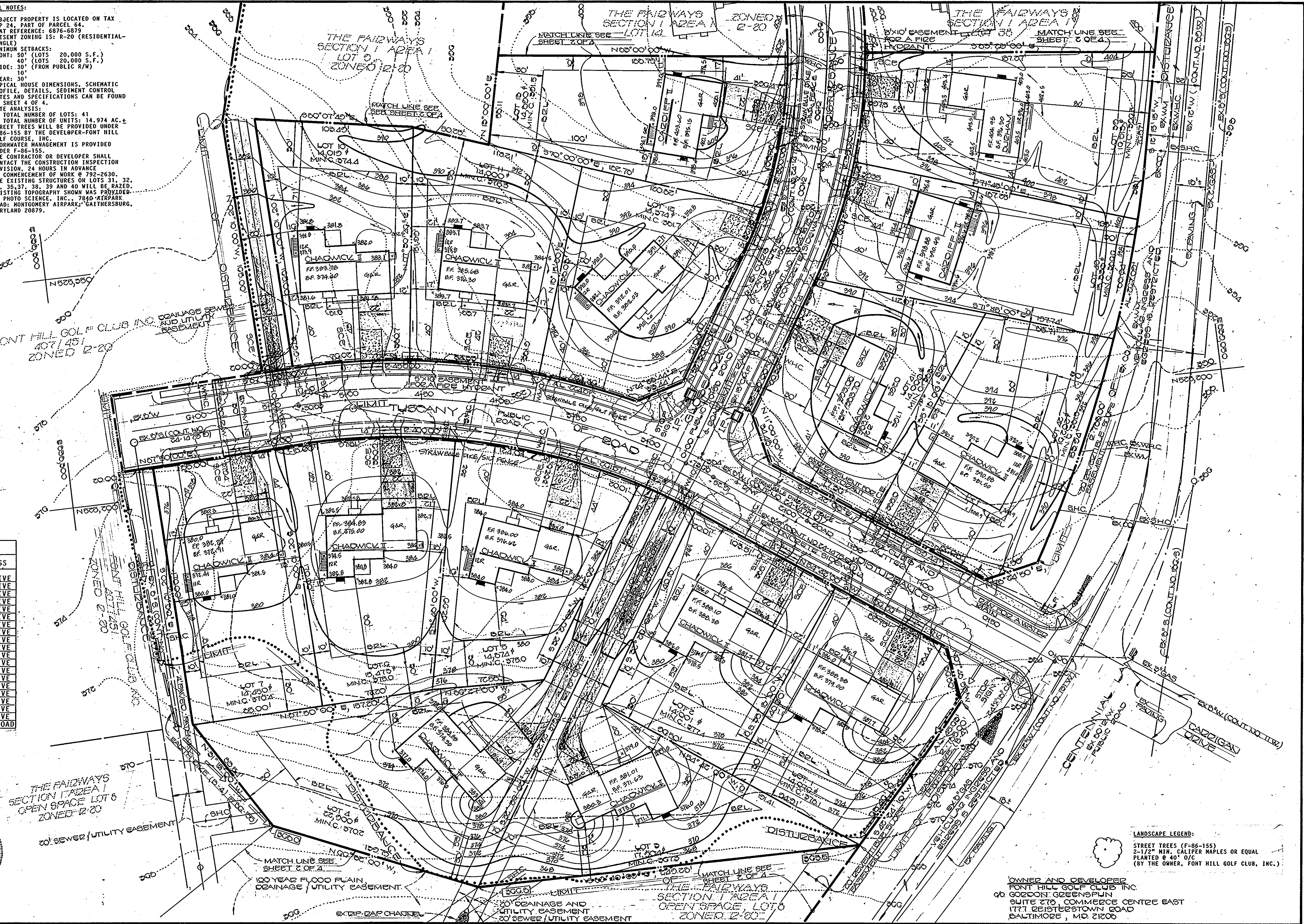
APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS
Signature: Joseph M. Doherty
DATE: 9-29-86
HEALTH OFFICER

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.
Signature: Robert J. Berman
DATE: 9-26-86
DIRECTOR, PUBLIC WORKS

Signature: William H. Jones
DATE: 9-26-86
CHIEF, BUREAU OF ENGINEERING

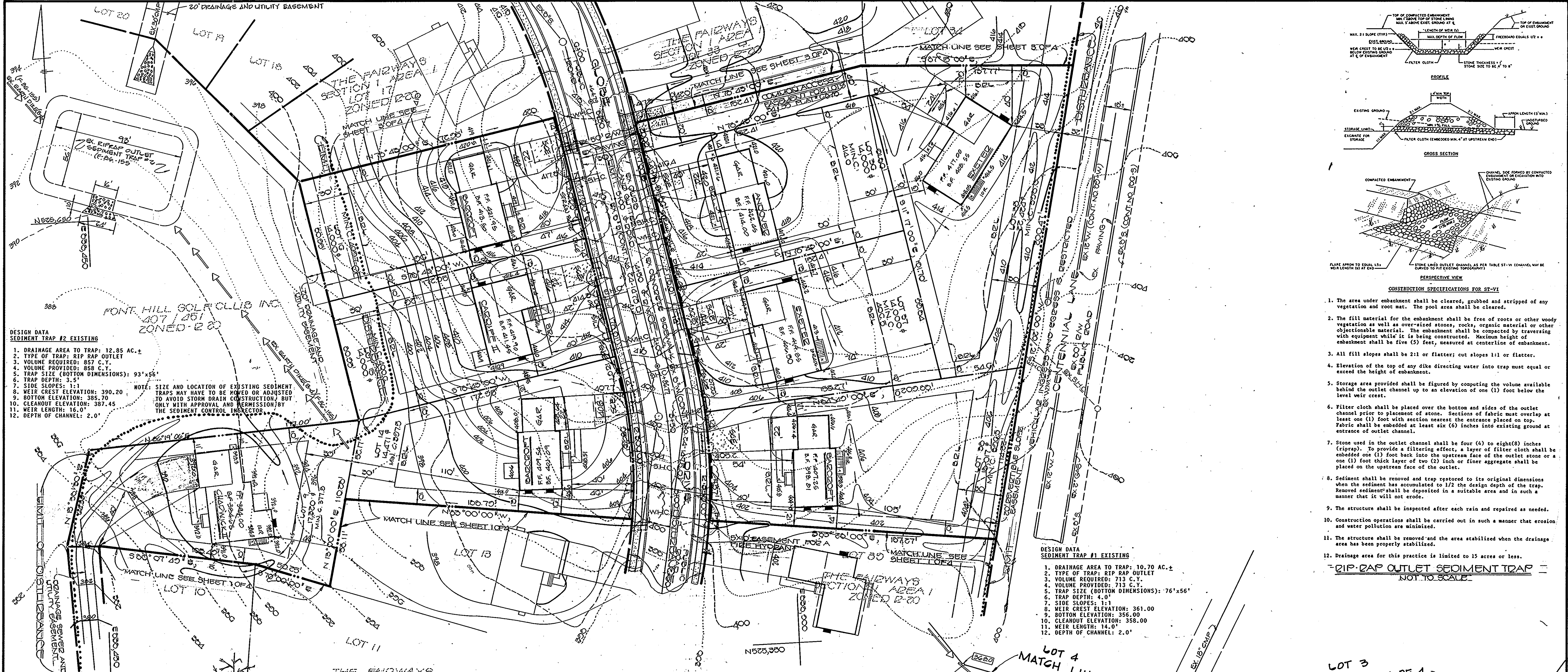
SUBDIVISION	SECTION/AREA	LOT NOS.
THE FAIRWAYS	1/1	1-7/2-42
PLAT NOS.	BLOCK NO.	TAX/ZONE
6076-6079	1	200
WATER CODE	SEWER CODE	ELEC. DIST.
J-10	5881700	CENSUS TR.

SITE DEVELOPMENT PLAN
THE FAIRWAYS
SECTION ONE
AREA ONE
LOTS 1 THRU 7 AND LOTS 2 THRU 42
2-1/2" = 1' HORIZONTAL DIST. HOWARD CO., MD.
SCALE: 1" = 30' DATE: JUNE 11, 1986
SHEET 1 OF 4
REVISED: SEPTEMBER 19, 1986



LANDSCAPE LEGEND:
STREET TREES (F-86-155)
2-1/2" H. CALLER MAPLES OR EQUAL
PLANTED @ 40' O/C
(BY THE OWNER, FONT HILL GOLF CLUB, INC.)

OWNER AND DEVELOPER
FONT HILL GOLF CLUB, INC.
GOODPOINT GREENS PLAN
SUITE 270 COMMERCIAL CENTER EAST
1777 REISTERSTOWN ROAD
BALTIMORE, MD 21200



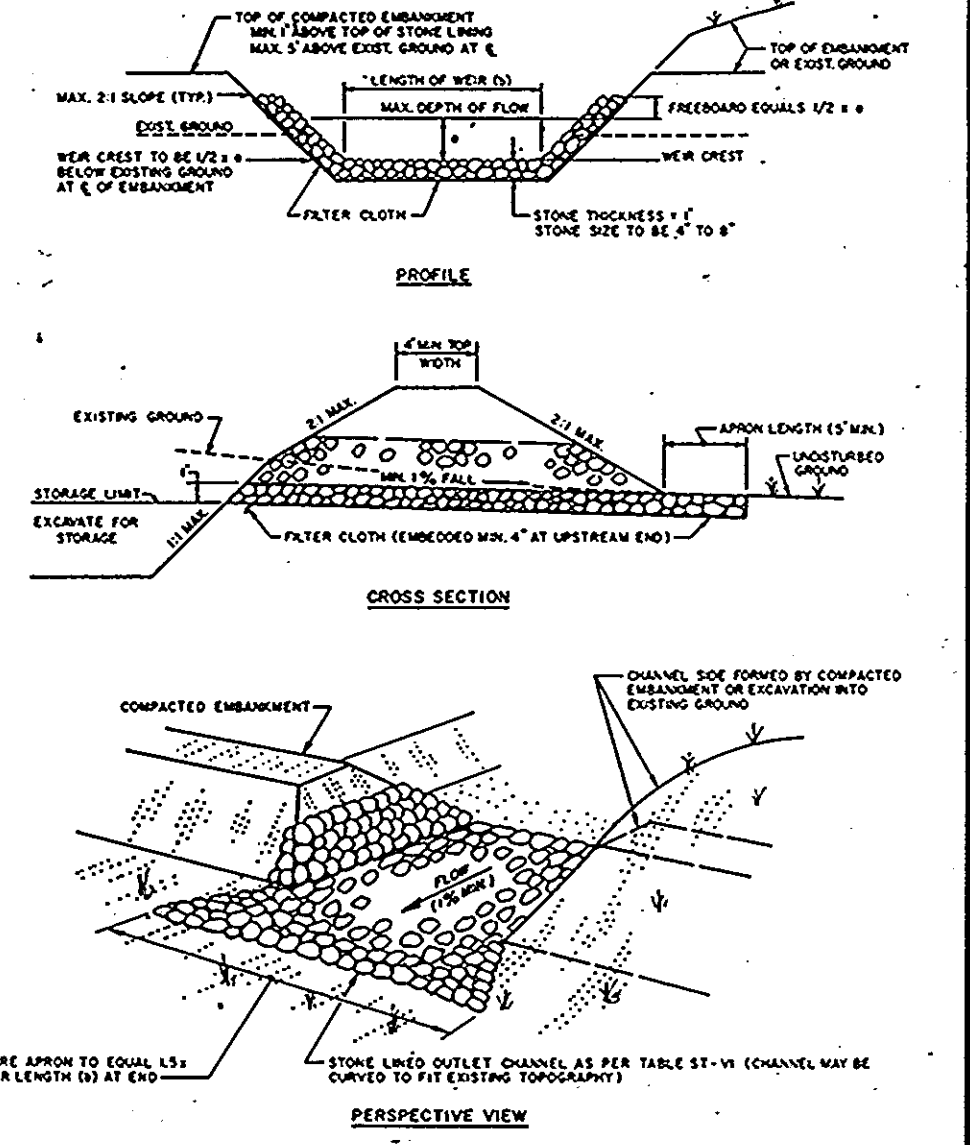
**DESIGN DATA
SEDIMENT TRAP #2 EXISTING**

1. DRAINAGE AREA TO TRAP: 12.85 AC.±
2. TYPE OF TRAP: RIP RAP OUTLET
3. VOLUME REQUIRED: 857 C.Y.
4. VOLUME PROVIDED: 858 C.Y.
5. TRAP SIZE (BOTTOM DIMENSIONS): 93'x56'
6. TRAP DEPTH: 3.5'
7. SIDE SLOPES: 1:1
8. WEIR CREST ELEVATION: 390.20
9. BOTTOM ELEVATION: 385.70
10. CLEANOUT ELEVATION: 387.45
11. WEIR LENGTH: 16.0'
12. DEPTH OF CHANNEL: 2.0'

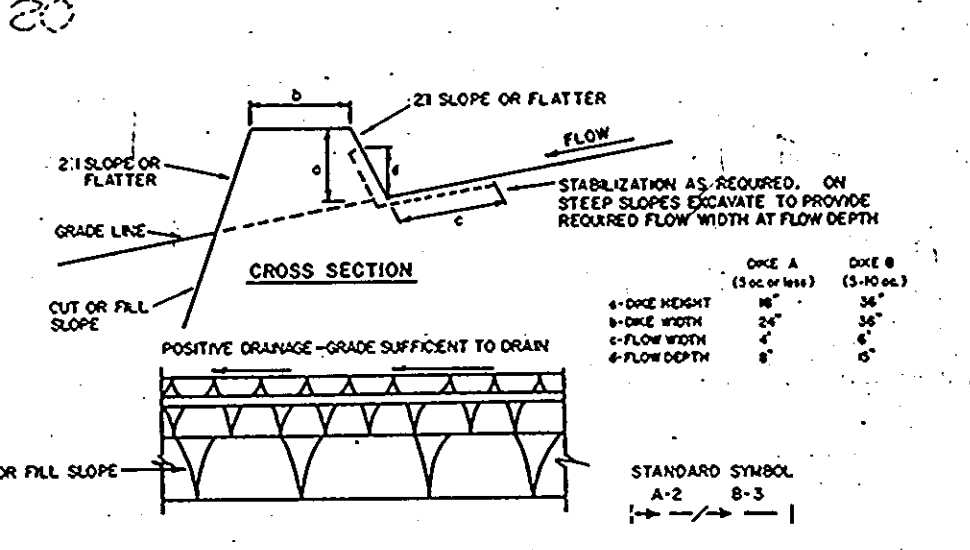
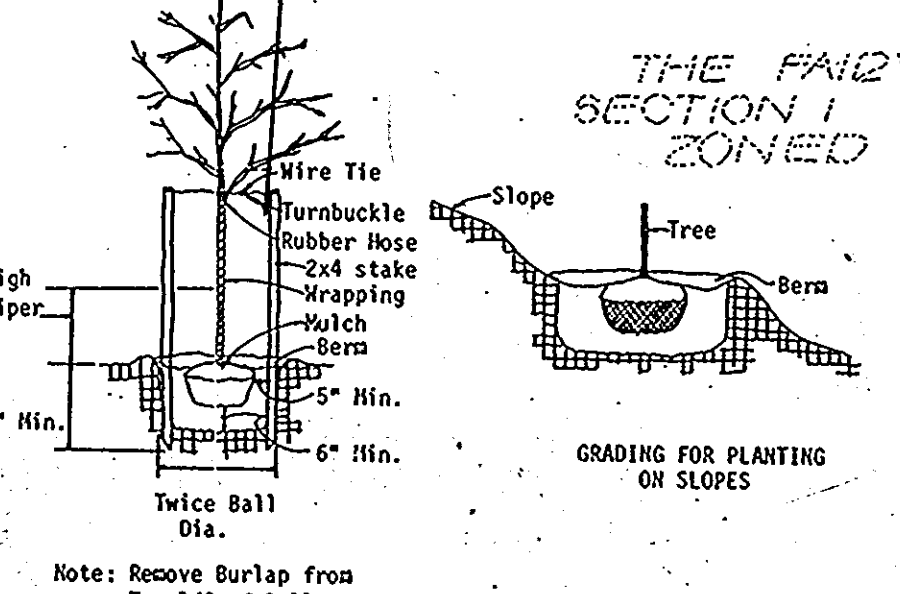
NOTE: SIZE AND LOCATION OF EXISTING SEDIMENT TRAPS MAY HAVE TO BE MOVED OR ADJUSTED TO AVOID STORM DRAIN CONSTRUCTION, BUT ONLY WITH APPROVAL AND PERMISSION BY THE SEDIMENT CONTROL INSPECTOR.

**DESIGN DATA
SEDIMENT TRAP #1 EXISTING**

1. DRAINAGE AREA TO TRAP: 10.70 AC.±
2. TYPE OF TRAP: RIP RAP OUTLET
3. VOLUME REQUIRED: 713 C.Y.
4. VOLUME PROVIDED: 713 C.Y.
5. TRAP SIZE (BOTTOM DIMENSIONS): 76'x56'
6. TRAP DEPTH: 3.5'
7. SIDE SLOPES: 1:1
8. WEIR CREST ELEVATION: 361.00
9. BOTTOM ELEVATION: 356.00
10. CLEANOUT ELEVATION: 358.00
11. WEIR LENGTH: 14.0'
12. DEPTH OF CHANNEL: 2.0'



- CONSTRUCTION SPECIFICATIONS FOR ST-VI**
1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
 2. The fill material for the embankment shall be free of roots or other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed. Maximum height of embankment shall be five (5) feet, measured at centerline of embankment.
 3. All fill slopes shall be 2:1 or flatter; cut slopes 1:1 or flatter.
 4. Elevation of the top of any dike directing water into trap must equal or exceed the height of embankment.
 5. Storage area provided shall be figured by computing the volume available behind the outlet channel up to an elevation of one (1) foot below the level weir crest.
 6. Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of stone. Sections of fabric must overlap at least one (1) foot with section nearest the entrance placed on top. Fabric shall be embedded at least six (6) inches into existing ground at entrance of outlet channel.
 7. Stone used in the outlet channel shall be four (4) to eight (8) inches (rip-rap). To provide a filtering effect, a layer of filter cloth shall be embedded one (1) foot back into the upstream face of the outlet stone or a one (1) foot thick layer of two (2) inch or finer aggregate shall be placed on the upstream face of the outlet.
 8. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
 9. The structure shall be inspected after each rain and repaired as needed.
 10. Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
 11. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
 12. Drainage area for this practice is limited to 15 acres or less.



CONSTRUCTION SPECIFICATIONS

1. ALL SIZES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
3. UP WITH MAY BE WIDER AND SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SOLE 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. THESE EITHER THE DIVE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT SEPARATELY STABILIZED.
6. STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON, (B) FLOW CHANNEL AS PER THE CHART BELOW.

TYPE OF HEADWATER	FLOW CHANNEL STABILIZATION	
	DIKE A	DIKE B
1	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	SEED AND STRAW MULCH	SEED USING JUTE OR EXCELSTON; 5000 2" STONE
3	SEED WITH JUTE, OR SOO; 2" STONE	LINED RIP-RAP 4-8"
4	LINED RIP-RAP 4-8"	ENGINEERING DESIGN

A. 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.
B. Rip-rap to be 4-8 inches in a layer at least 3 inches thickness and pressed into the soil.
C. Approved equivalents can be substituted for any of the above materials.
D. Periodic inspection and required maintenance must be provided after each rain event.

**APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 7-10-86**

**PLANTING DETAIL
NOT TO SCALE**

Stake
Wire
Turnbuckle



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

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

CHARLES J. FISHER
PROFESSIONAL ENGINEER
STATE OF MARYLAND
9/23/86

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

Carol Simpson
9/23/86

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
9-23-86
U.S. SOIL CONSERVATION SERVICE
DATE

APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED:
Stephen L. Fisher 9/23/86
DISTRICT HEALTH OFFICER

APPROVED: OFFICE OF PLANNING AND ZONING
9-30-86
Donald J. Hamby
PLANNING DIRECTOR
DATE

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS
9-29-86
Stephen M. Carl
HEALTH OFFICER

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS
9-26-86
Robert M. Reisinger
DIRECTOR, PUBLIC WORKS
DATE

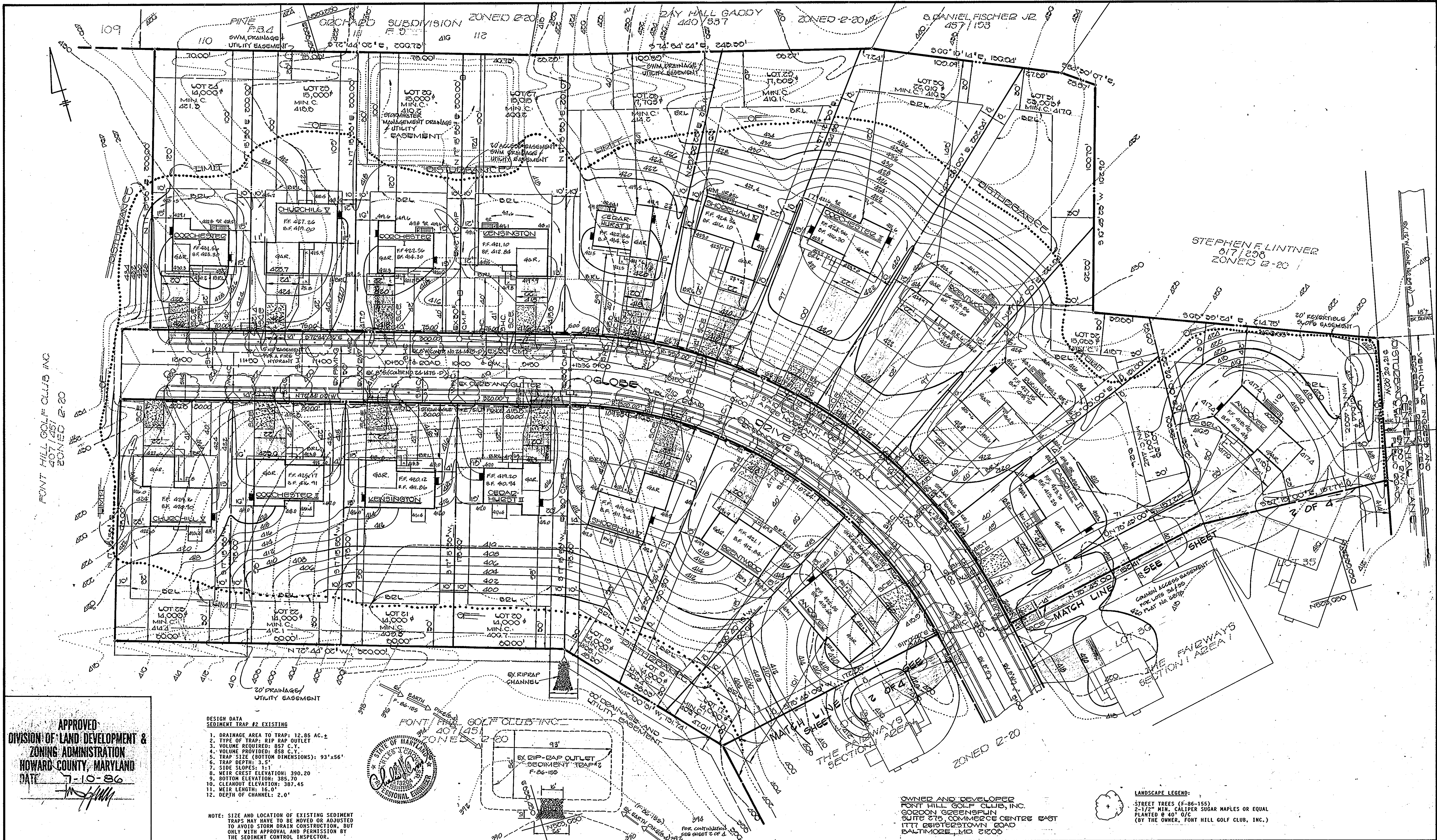
CHIEF, BUREAU OF ENGINEERING
9-26-86
William J. Reisinger
DATE

SUBDIVISION	SECTION/AREA	LOT NOS.
THE FAIRWAYS	1/1	1-7/0-22
PLAT NOS.	BLOCK NO.	TAX ZONE
627C-027D	1	2301
WATER CODE	SEWER CODE	
U-G	500.1700	

**SITE DEVELOPMENT PLAN
THE FAIRWAYS**

SECTION ONE AREA ONE
LOTS 1 THRU 7 AND LOTS 9 THRU 12
2ND ELECTION DIST. HOWARD CO. MD.
SCALE: 1"=30' DATE: JUNE 11, 1983
SHEET 2 OF 4
REVISED: SEPTEMBER 19, 1986

OWNER AND DEVELOPER
FONT HILL GOLF CLUB, INC.
GORDON GREENSPUN
SUITE 275, COMMERCE CENTRE EAST
1772 REISTERSTOWN ROAD
BALTIMORE, MD. 21208



APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
 DATE 7-10-86

- DESIGN DATA**
SEDIMENT TRAP #2 EXISTING
1. DRAINAGE AREA TO TRAP: 12.85 AC. ±
 2. TYPE OF TRAP: RIP RAP OUTLET
 3. VOLUME REQUIRED: 857 C.Y.
 4. VOLUME PROVIDED: 858 C.Y.
 5. TRAP SIZE (BOTTOM DIMENSIONS): 93' x 56'
 6. TRAP DEPTH: 3.5'
 7. SIDE SLOPES: 1:1
 8. MEIR CREST ELEVATION: 390.20
 9. BOTTOM ELEVATION: 385.05
 10. CLEANOUT ELEVATION: 387.45
 11. MEIR LENGTH: 16.0'
 12. DEPTH OF CHANNEL: 2.0'

NOTE: SIZE AND LOCATION OF EXISTING SEDIMENT TRAPS MAY HAVE TO BE MOVED OR ADJUSTED TO AVOID STORM DRAIN CONSTRUCTION, BUT ONLY WITH APPROVAL AND PERMISSION BY THE SEDIMENT CONTROL INSPECTOR.



FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 8388 COURT AVENUE
 ELLICOTT CITY, MARYLAND 21043
 (301) 461-2855

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

Charles C. Fisher 9/22/86
 SIGNATURE OF ENGINEER DATE

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

Robert S. Gorman 9/22/86
 SIGNATURE OF DEVELOPER DATE

APPROVED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
Robert S. Gorman 9/22/86
 SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED:
Stephen L. Smith 9/22/86
 DISTRICT HEALTH OFFICER DATE

APPROVED: OFFICE OF PLANNING AND ZONING
John W. Mueselman 9-30-86
 PLANNING DIRECTOR DATE

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS
Stephen L. Smith 9-29-86
 HEALTH OFFICER DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS, SYSTEMS AND ROADS.
Robert S. Gorman 9-26-86
 DIRECTOR, PUBLIC WORKS DATE

William H. Davis 9-20-86
 CHIEF, BUREAU OF ENGINEERING DATE

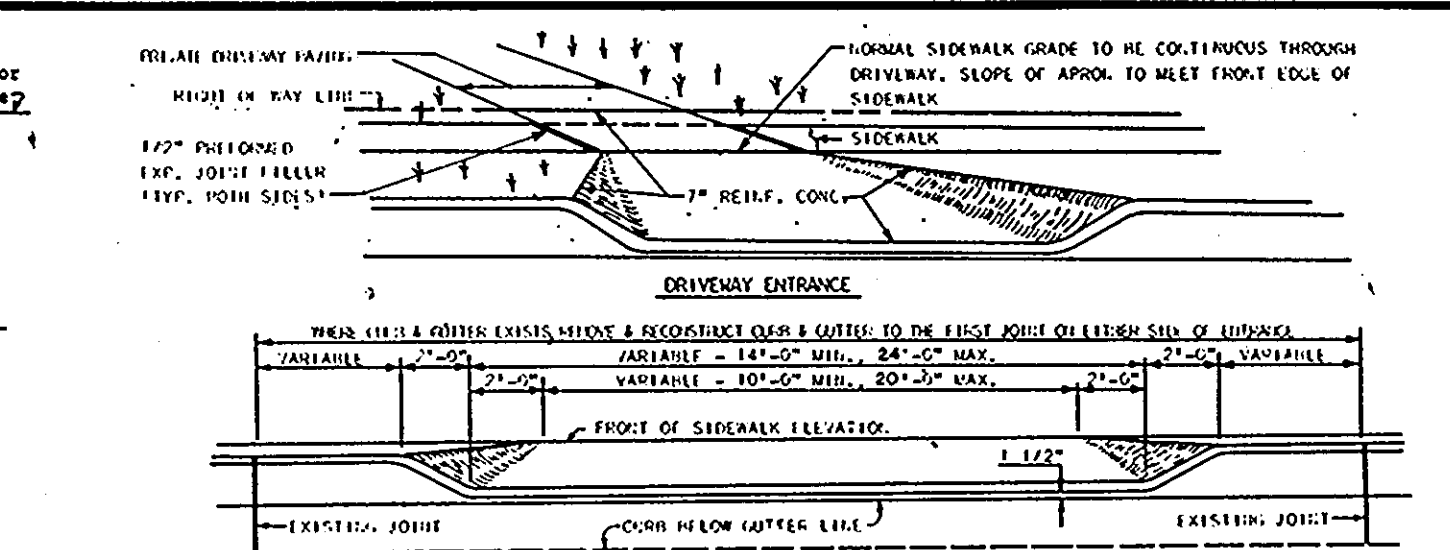
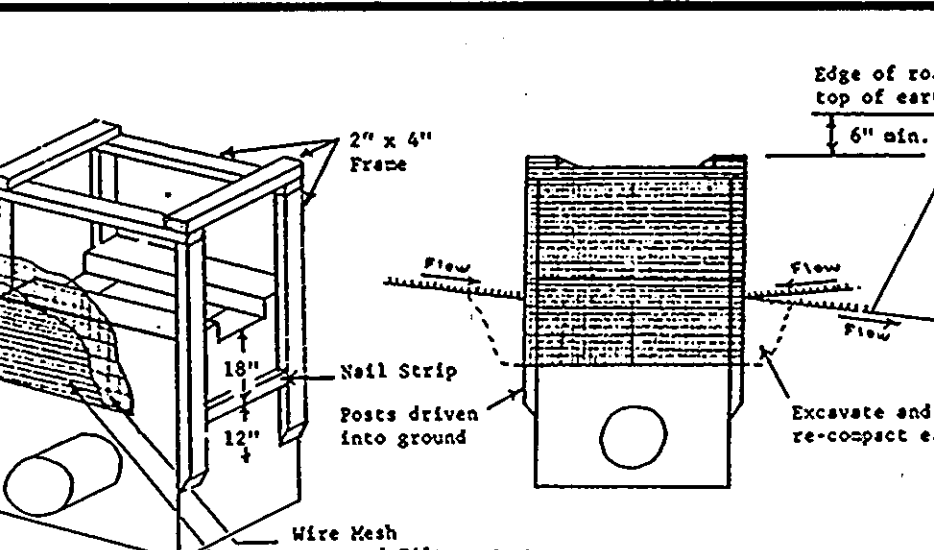
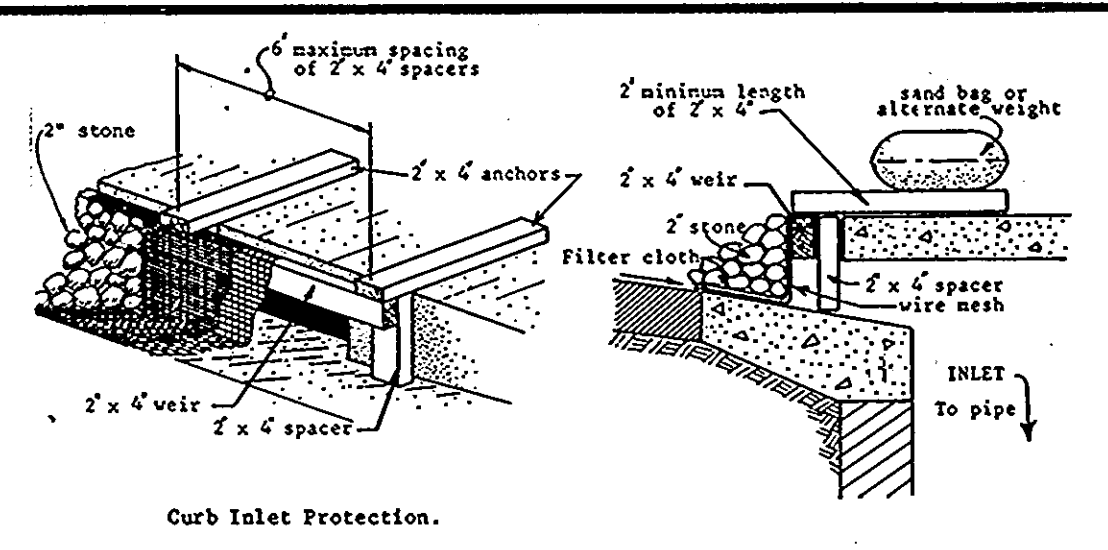
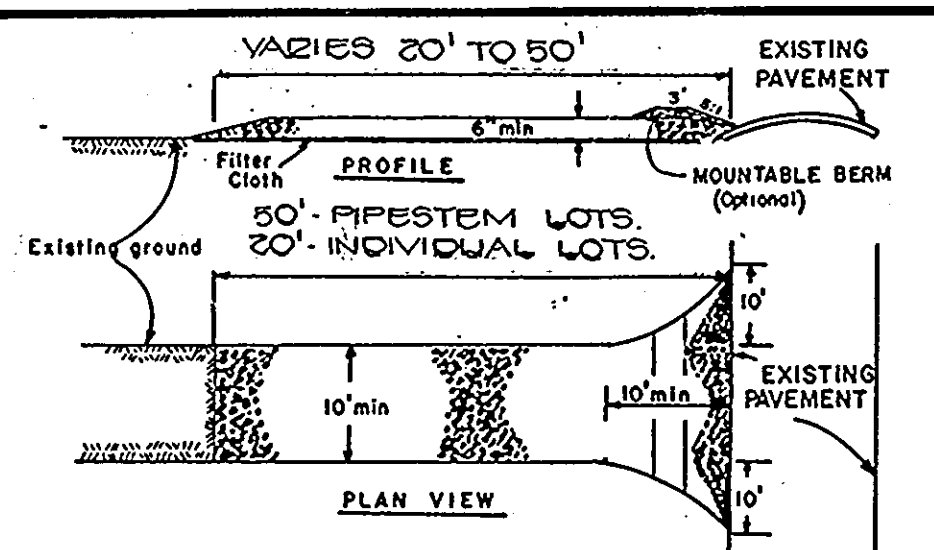
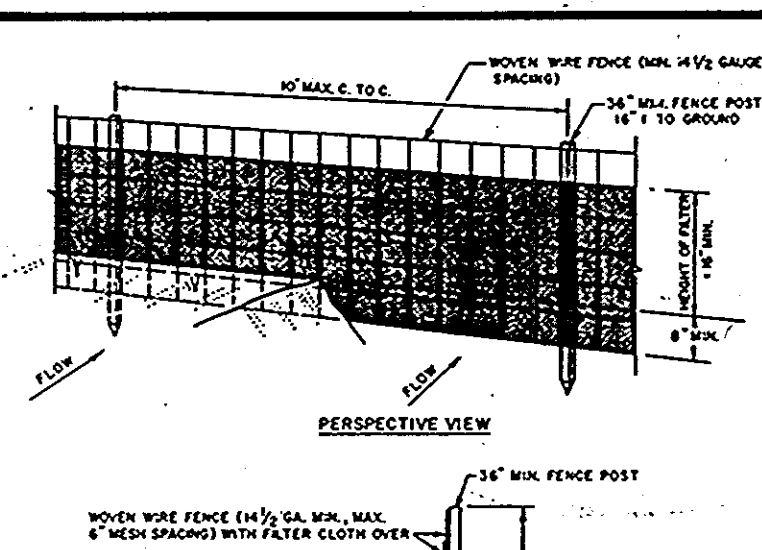
SUBDIVISION	SECTION/AREA	LOT NO.
THE FAIRWAYS	1/1	1-7/0-28
PLAT NOS. C876-C879	BLOCK NO. 1	ZONE E20
TAX/ZONE CND	ELEC. DIST. CND	CENSUS TR.
WATER CODE J16	SEWER CODE 6881702	

SITE DEVELOPMENT PLAN
THE FAIRWAYS

SECTION ONE AREA ONE
 LOTS 1, 7 AND LOTS 9, 10, 11, 12
 2ND ELECTION DIST. HOWARD CO. MD
 SCALE 1"=50' DATE: JUNE 11, 1986

SHEET 3 OF 4
 REVISED SEPTEMBER, 1986

SDP-86-268



SEDIMENT CONTROL NOTES:

- 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: A) 7 CALCULATED DAYS FOR PERIMETER SOIL EROSION CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- 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.
- 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) AND (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONG CAN ONLY BE DONE WHEN RECORDED 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 PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:

TOTAL AREA OF SITE	10,000 ACRES
AREA DISTURBED	10,000 ACRES
AREA TO BE ROOFED OR PAVED	10,000 ACRES
AREA TO BE VEGETATIVELY STABILIZED	10,000 ACRES
TOTAL CUT	20,000 CU. YDS.
TOTAL FILL	20,000 CU. YDS.
- OFFSITE WASTE/BORROW AREA LOCATION
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY A PREVIOUSLY UNRECORDED CONSTRUCTION ACTIVITY MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE:

- MOVED WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO MOVED WIRE FENCE WITH TIES SPACED EVERY 2' 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 BASKETS DEVELOP IN THE SILT FENCE.

CONSTRUCTION SPECIFICATIONS:

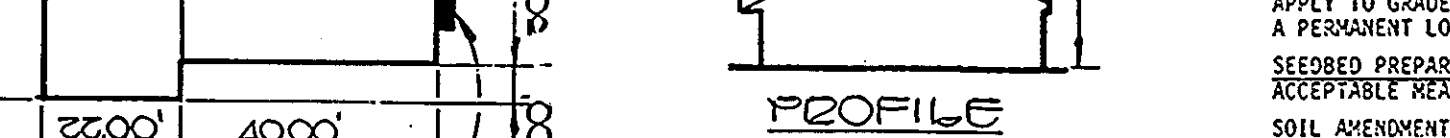
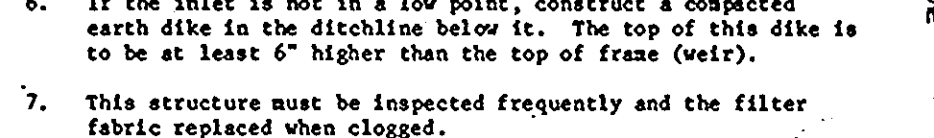
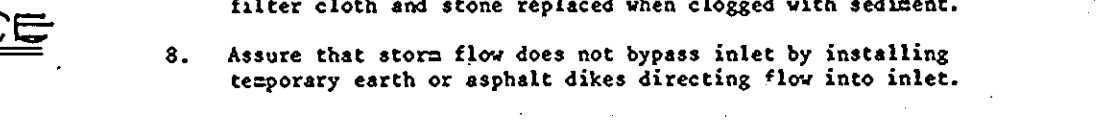
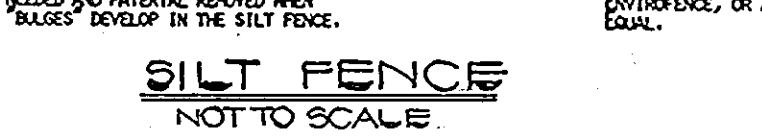
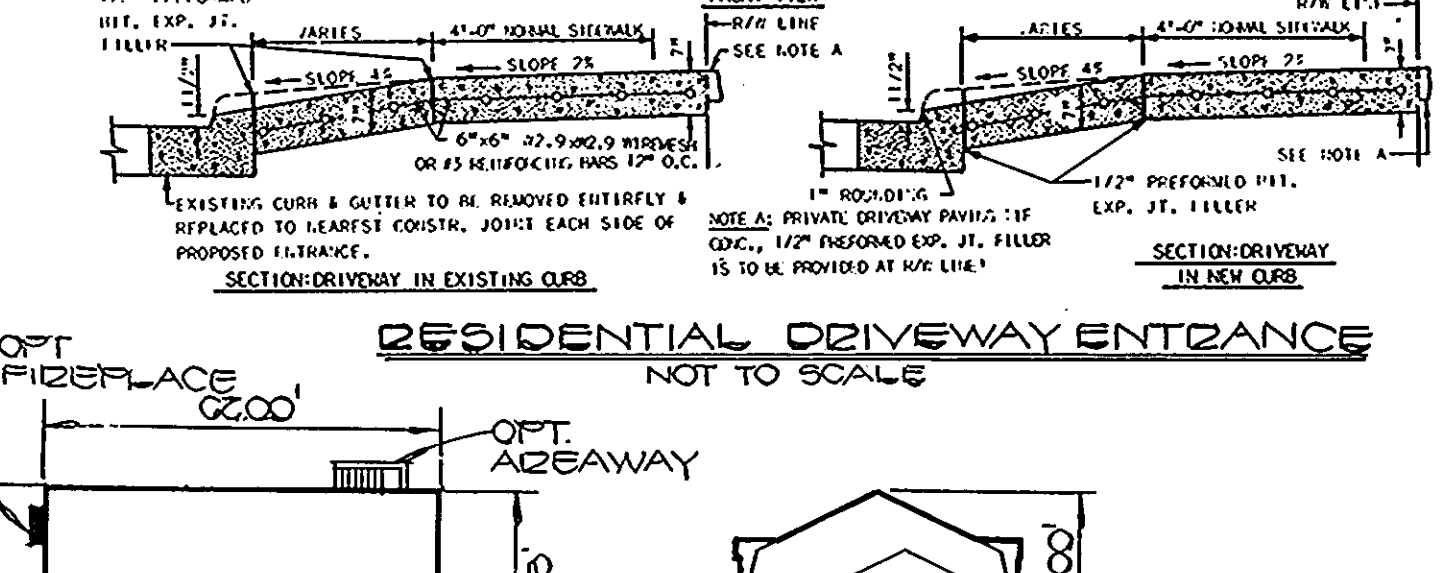
- Stone Size - Use 2" stone, or recycled concrete equivalent.
- Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
- Thickness - Not less than six (6) inches.
- Width - Ten (10) foot minimum, but not less than the full width at all 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 beam 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.

Curb Inlet Protection:

- Attach a continuous piece of wire mesh (30" min. width by throat length plus 4") to the 2" x 4" weir (measuring throat length plus 2") as shown on the standard drawing.
- Place a piece of approved filter cloth (40-85 sieve) of the same dimensions as the wire mesh over the wire mesh and securely attach to the 2" x 4" weir.
- Securely nail the 2" x 4" weir to 9" long vertical spacers to be located between the weir and inlet face (max. 6" apart).
- Place the assembly against the inlet throat and nail (minimum 2" lengths of 2" x 4" to the top of the weir at spacer locations. These 2" x 4" anchors shall extend across the inlet top and be held in place by sandbags or alternate weight.
- The assembly shall be placed so that the end spacers are a minimum 1" beyond both ends of the throat opening.
- Form the wire mesh and filter cloth to the concrete gutter and against the face of curb on both sides of the inlet. Place clean 2" stone over the wire mesh and filter fabric in such a manner as to prevent water from entering the inlet under or around the filter cloth.
- This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
- Assure that storm flow does not bypass inlet by installing temporary earth or asphalt dikes directing flow into inlet.

A swale, ditchline or yard inlet protection:

- Excavate completely around inlet to a depth of 18" below notch elevation.
- Drive 2 x 4 post 1' into ground at four corners of inlet. Place nail strips between posts on ends of inlet. Assemble top portion of 2 x 4 frame using overlap joint shown. Top of frame (weir) must be 6" below edge of roadway adjacent to inlet.
- Stretch wire mesh tightly around frame and fasten securely. Ends must meet at post.
- Stretch filter cloth tightly over wire mesh, the cloth must extend from top of frame to 18" below inlet notch elev. Fasten securely to frame. Ends must meet at post, be overlapped and folded, then fastened down.
- Backfill around inlet in compacted 6" layers until layer of earth is even with notch elevation on ends and top elevation on sides.
- If the inlet is not in a low point, construct a compacted earth dike in the ditchline below it. The top of this dike is to be at least 6" higher than the top of frame (weir).
- This structure must be inspected frequently and the filter fabric replaced when clogged.



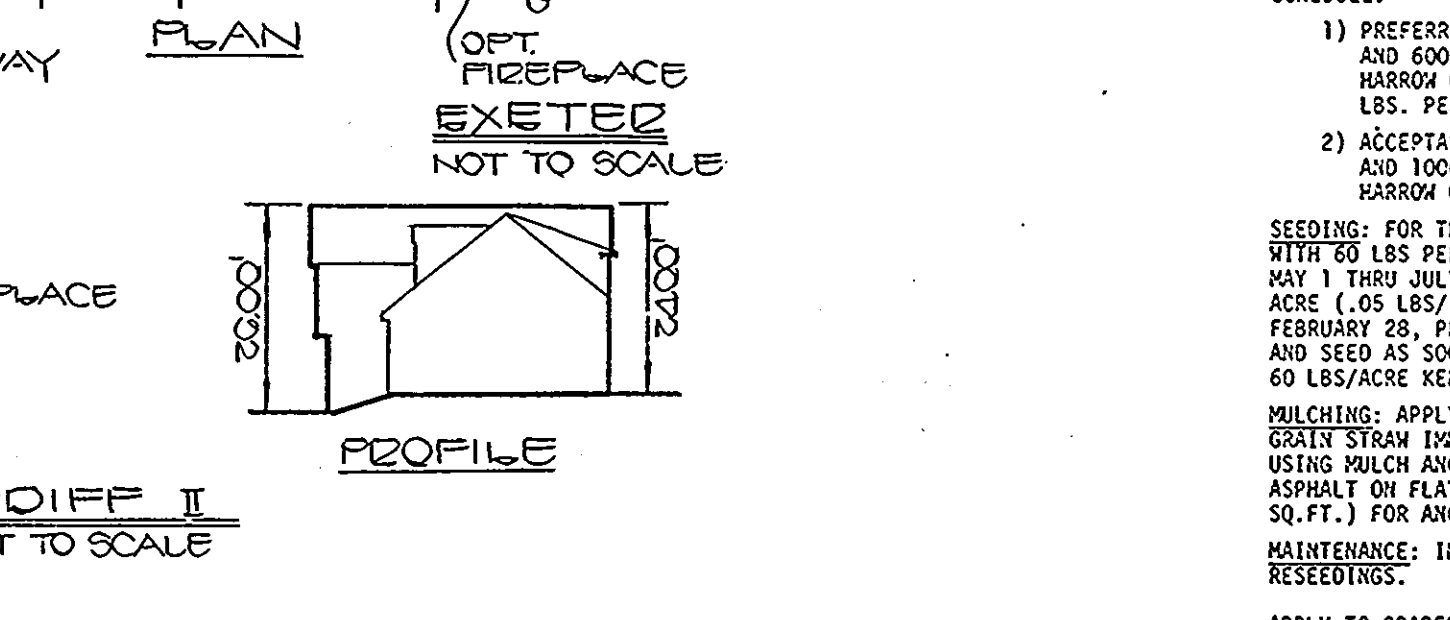
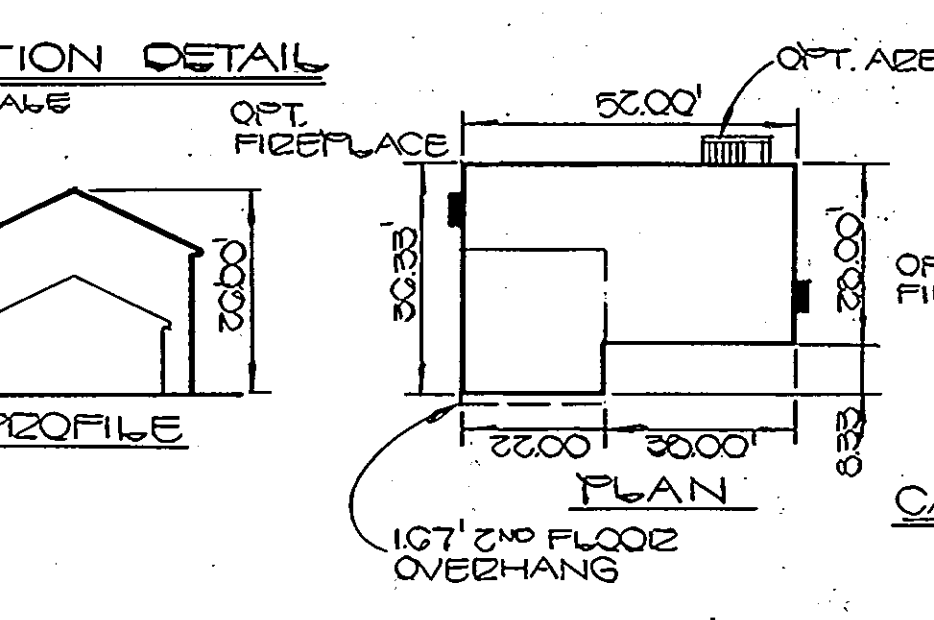
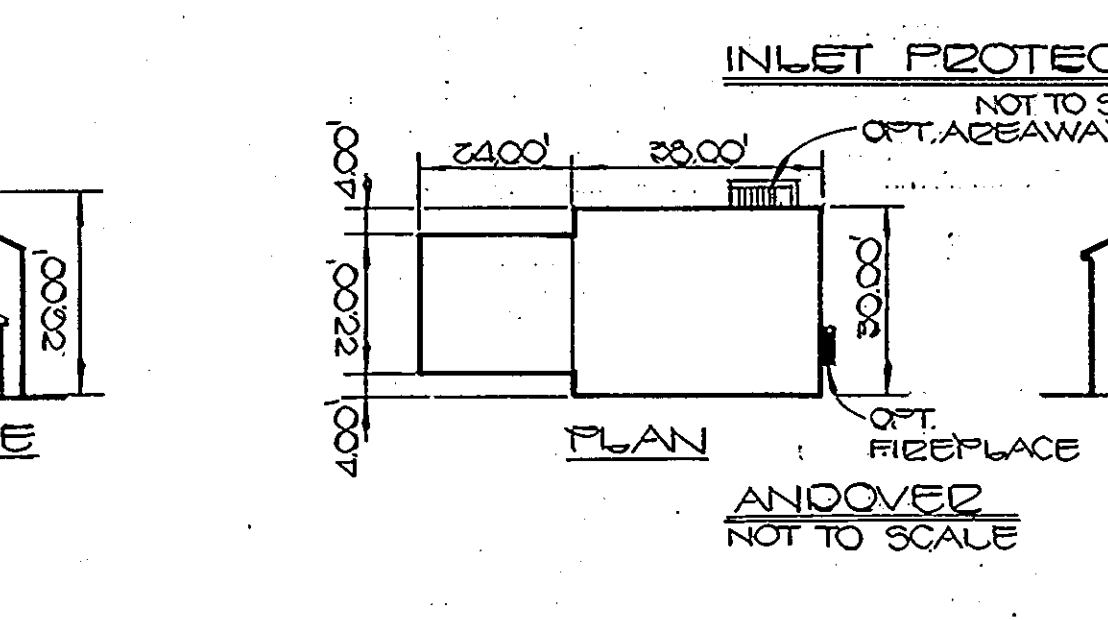
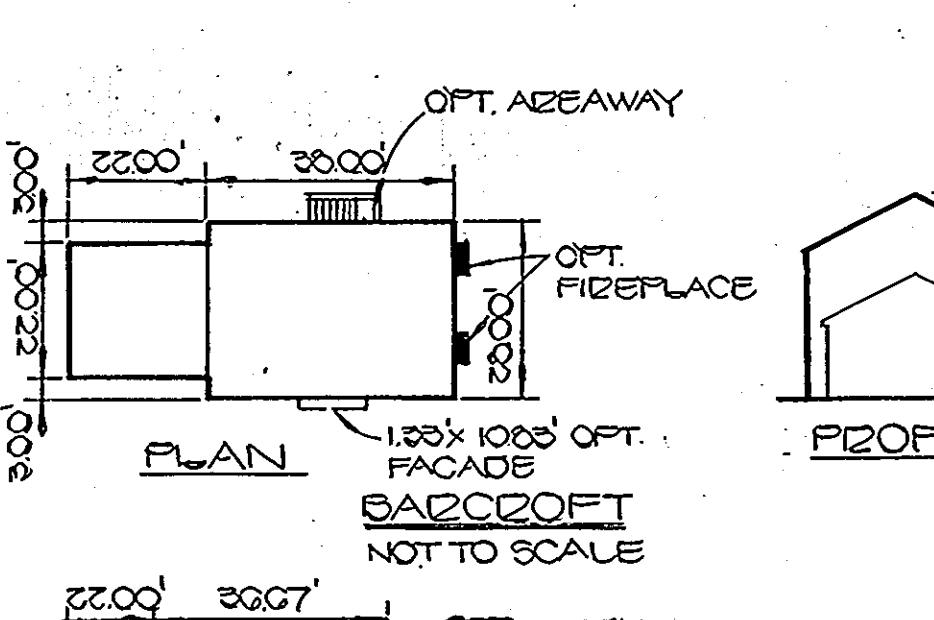
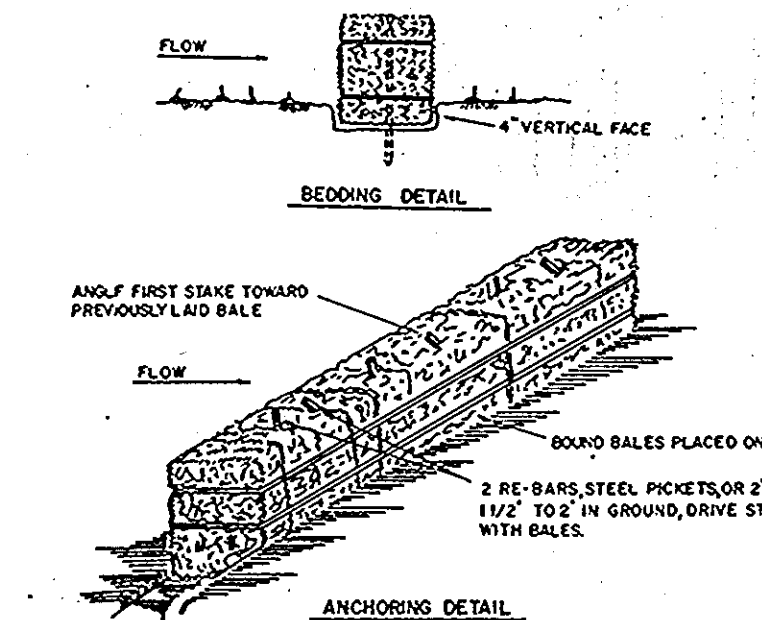
PERMANENT SEEDING NOTES:

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

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

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

- 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. BARROR OR DISC INTO UPPER THREE-INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM 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. BARROR OR DISC INTO UPPER THREE-INCHES OF SOIL.



SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 15 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 KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (.05 LBS/1000 SQ. FT.) OF KEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOO. 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 GRASS 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 SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

TEMPORARY SEEDING NOTES:

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

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

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

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ. FT.). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF KEEPING 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 SOO.

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

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

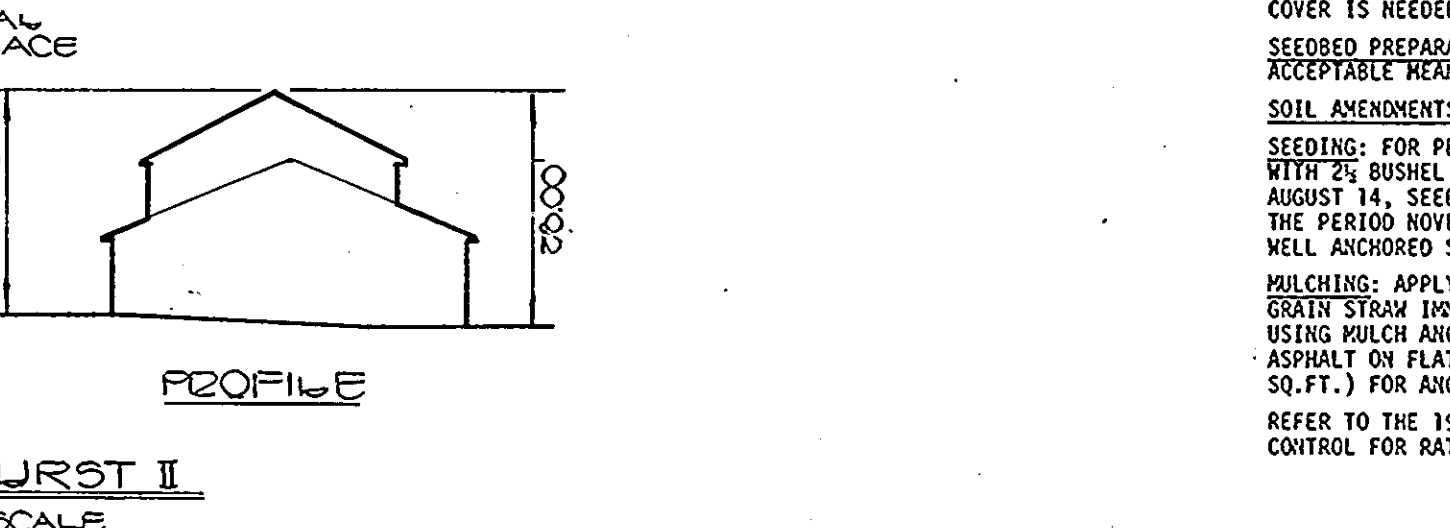
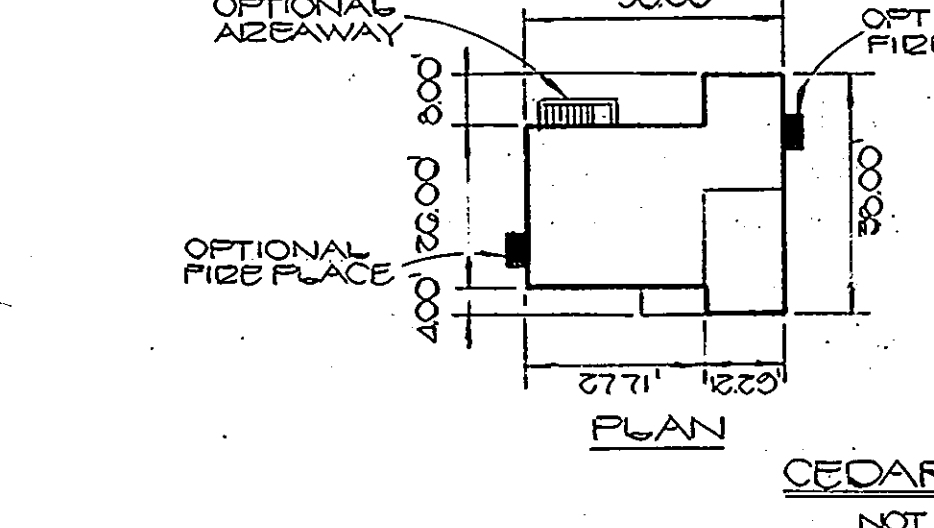
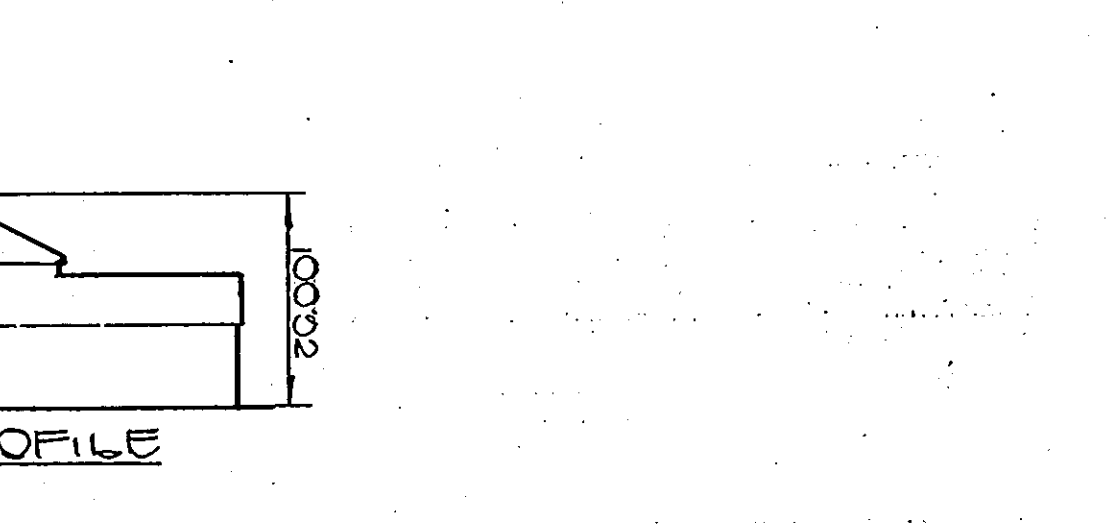
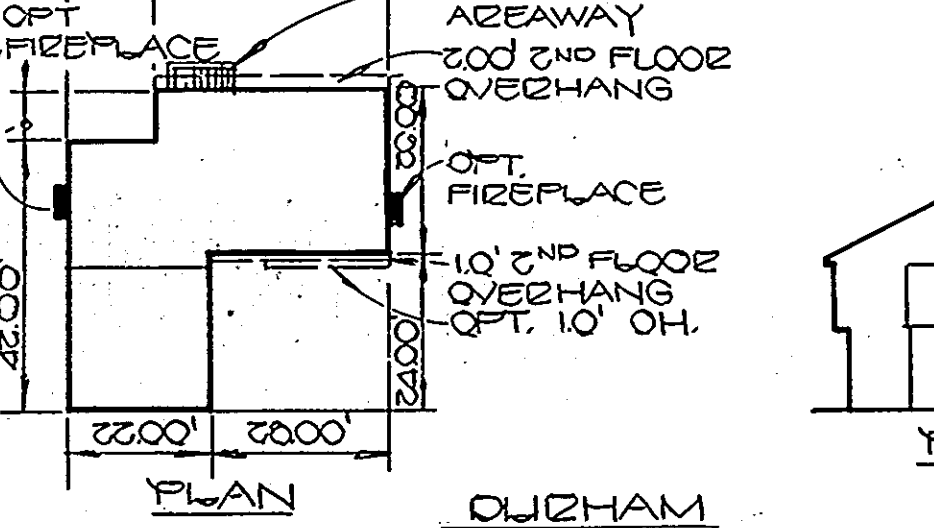
1. Bales shall be placed at the toe of a slope or on the contour and in a row with ends tightly abutting the adjacent bales.

2. Each bale shall be disposed in the soil a minimum of (6) inches, and placed so the bindings are horizontal.

3. Bales shall be securely anchored in place by either two stakes or re-bars driven through the bale. The first stake in each bale shall be driven through the previously laid bale at an angle to force the bales together. Stakes shall be driven flush with the bale.

4. Inspection shall be frequent and repair replacement shall be made promptly as needed.

5. Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.



SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 15 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 KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (.05 LBS/1000 SQ. FT.) OF KEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOO. 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 GRASS 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 SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

TEMPORARY SEEDING NOTES:

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

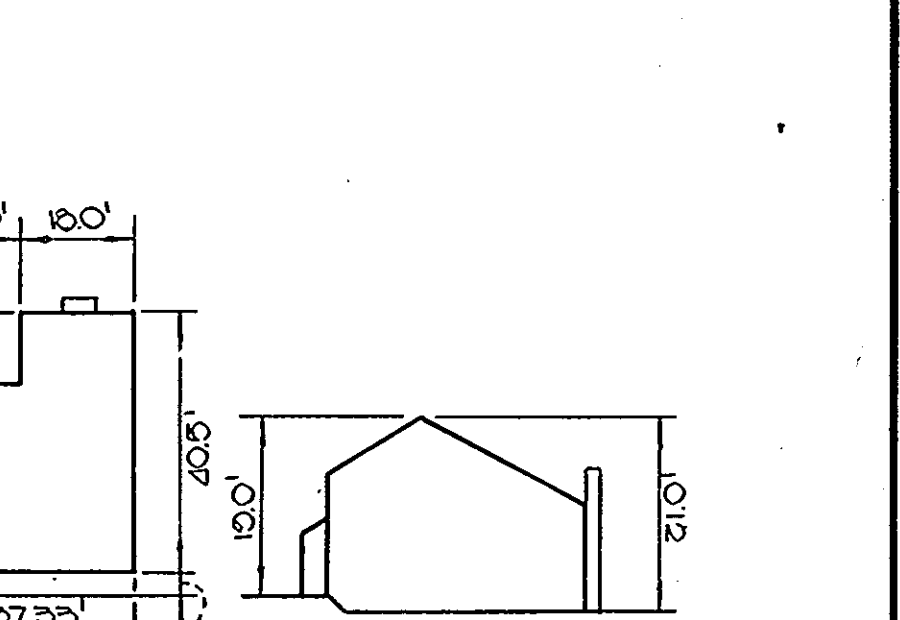
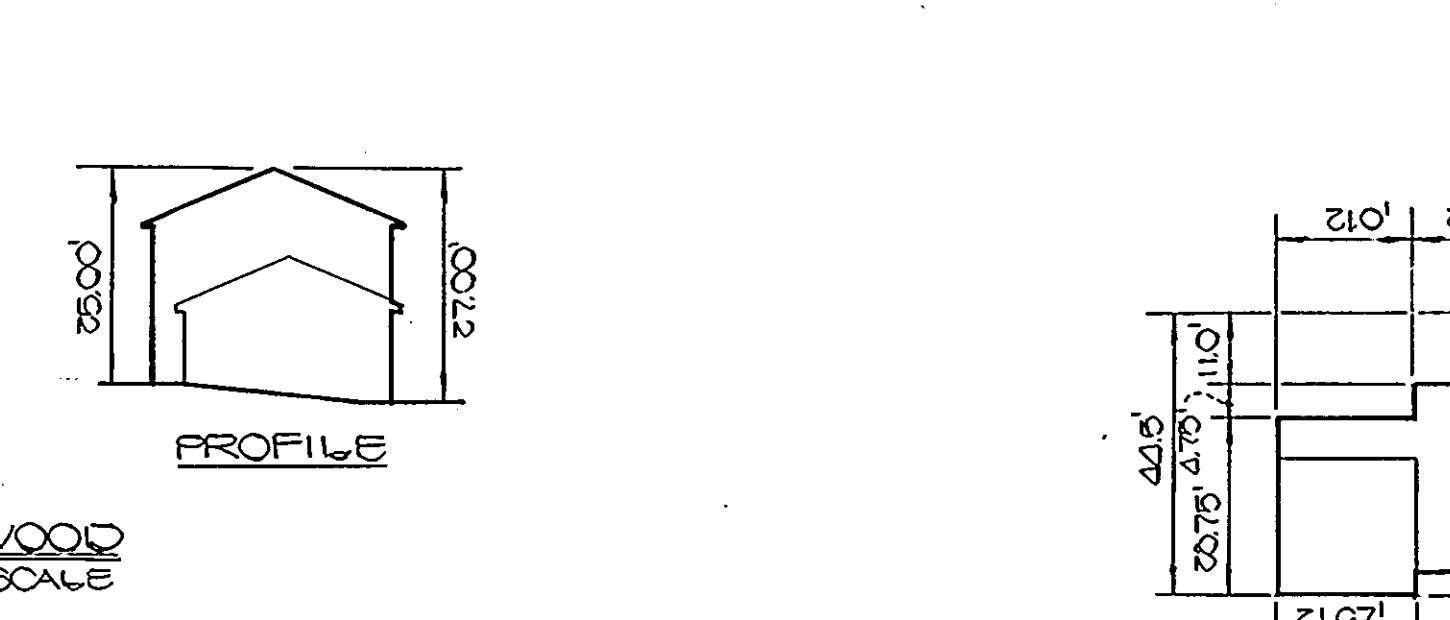
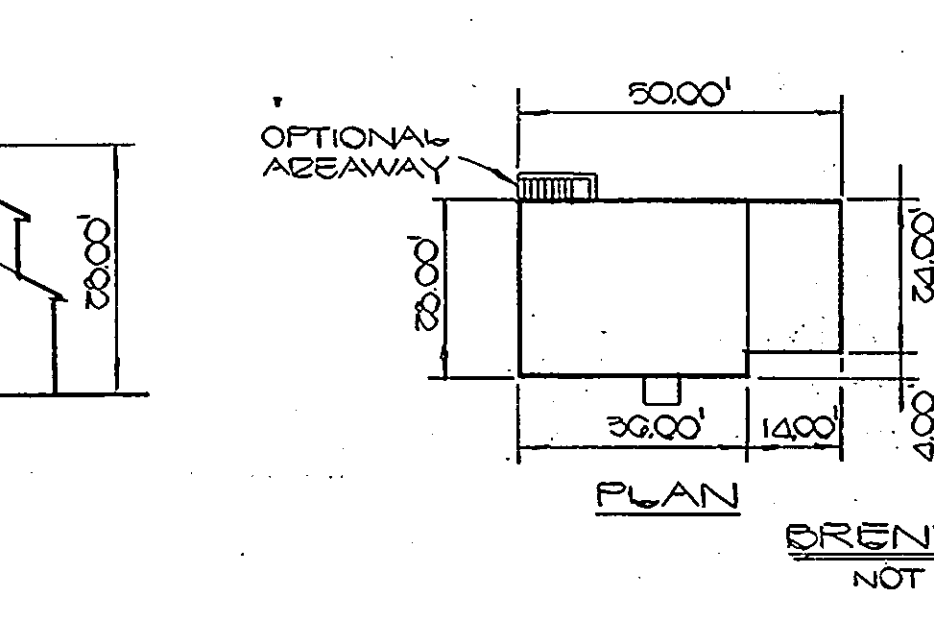
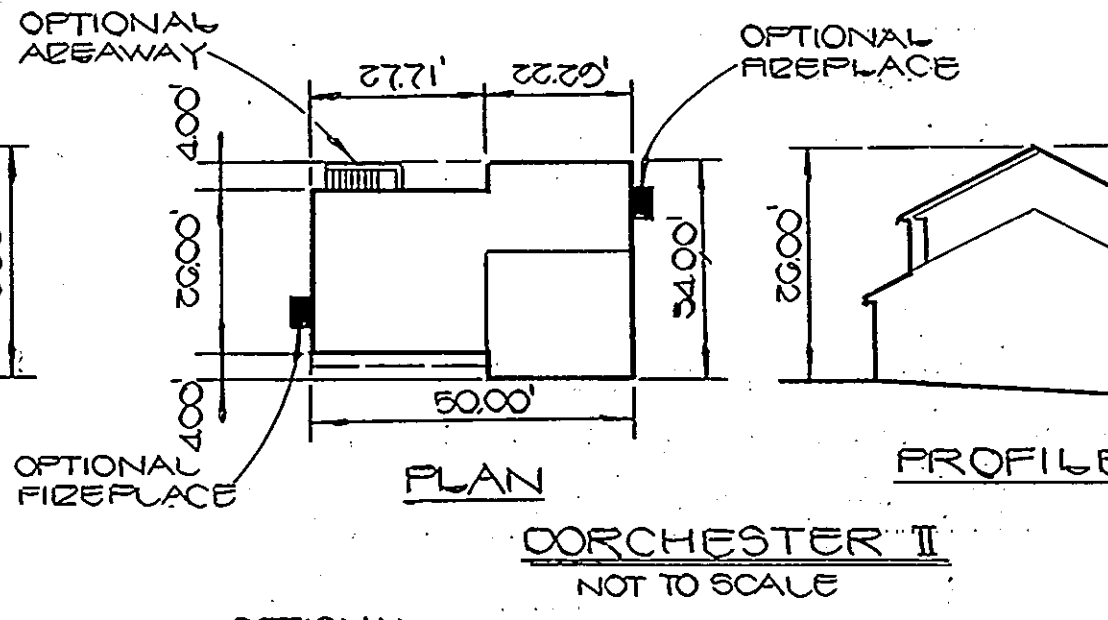
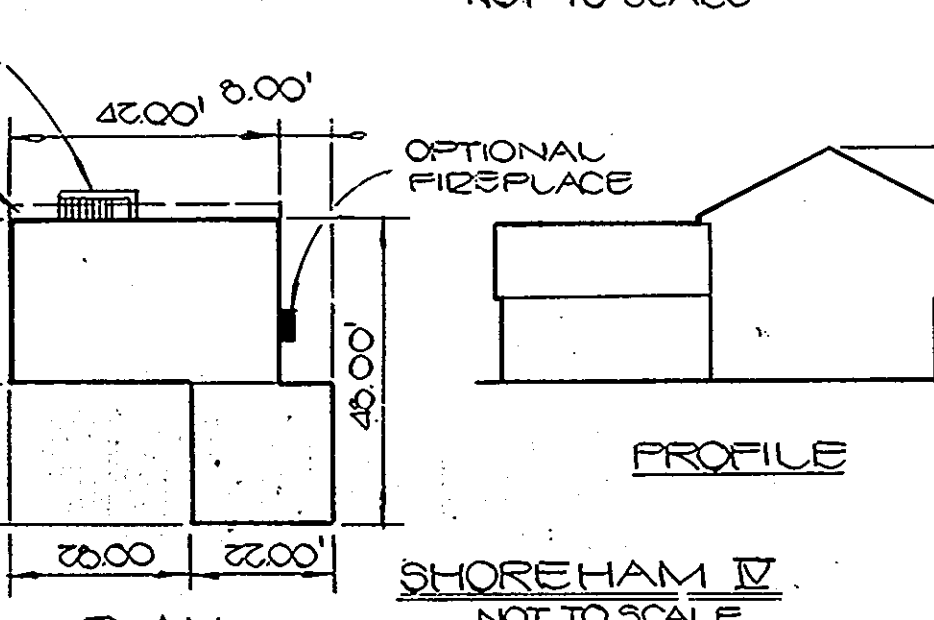
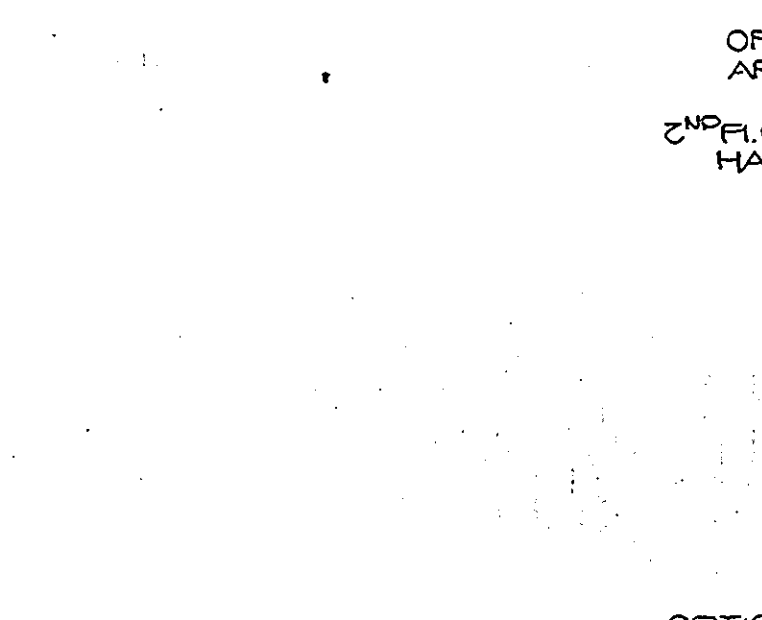
SEEDING PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

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

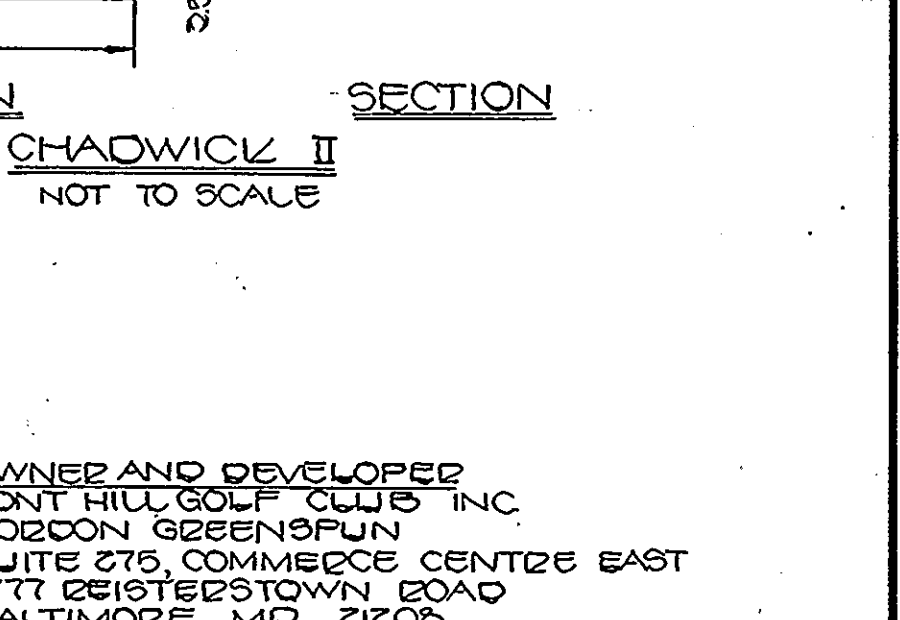
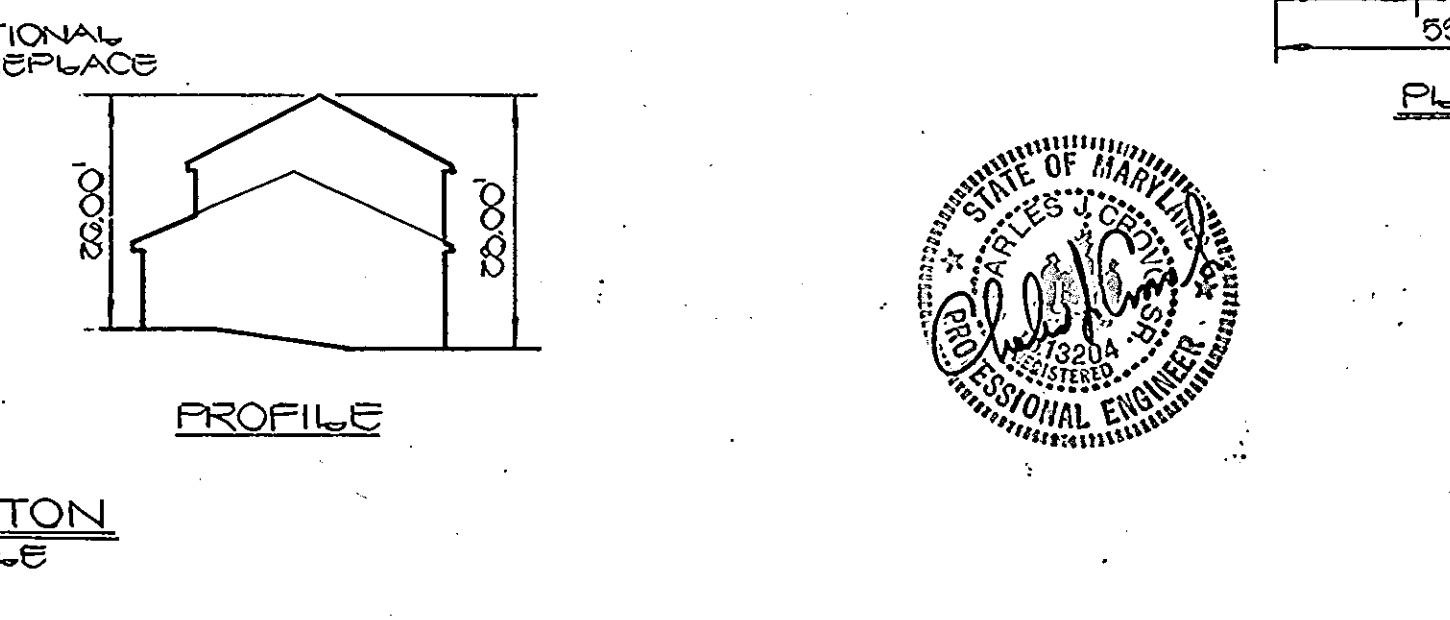
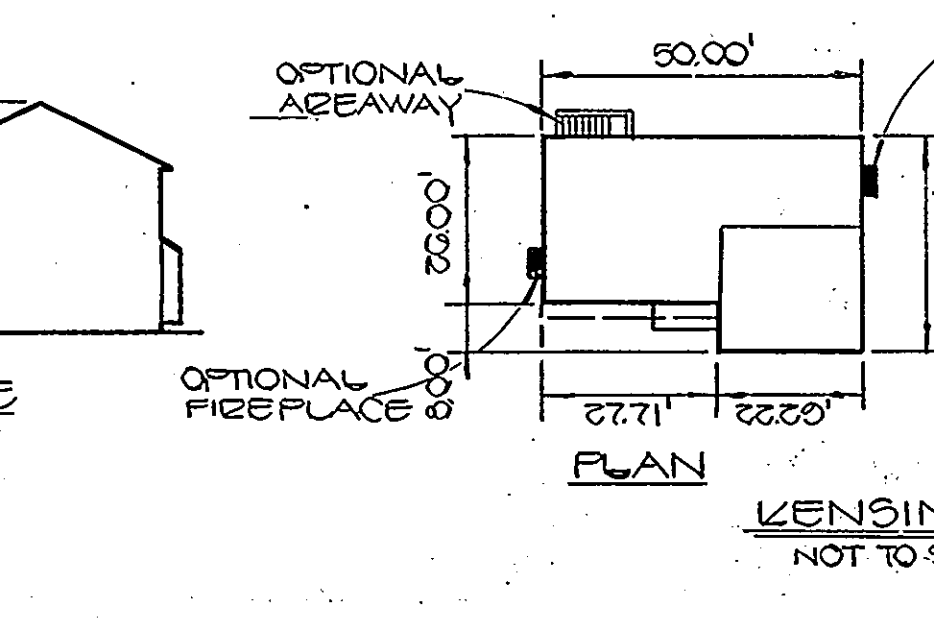
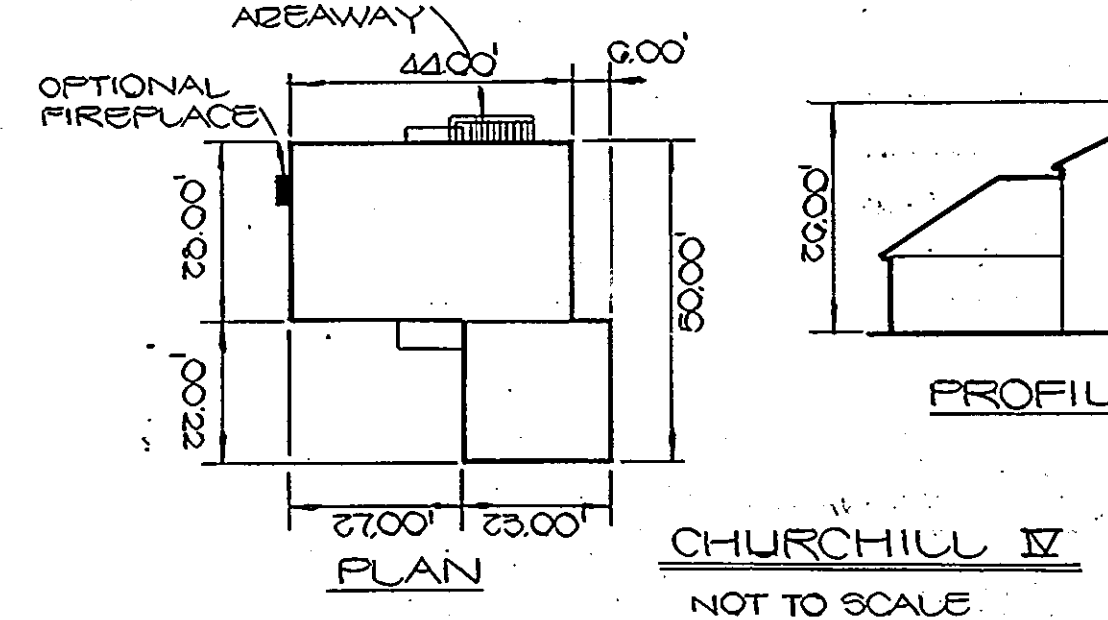
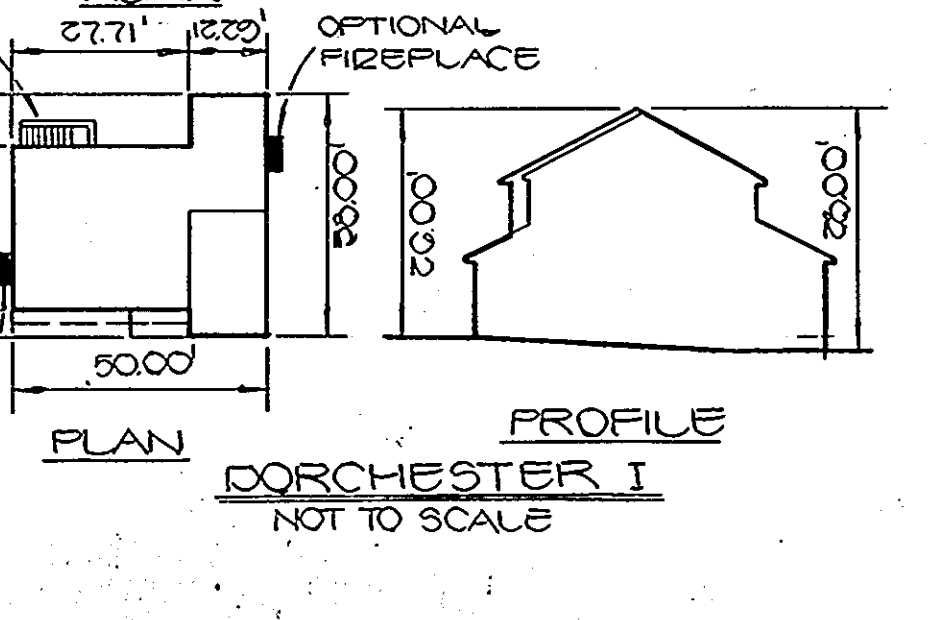
SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ. FT.). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF KEEPING LOVEGRASS (.07 LBS/1000 SQ. FT.). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28,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

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

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



APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
 DATE 7-10-86



FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 8388 COURT AVENUE
 ELLICOTT CITY, MARYLAND 21043
 (301) 461-2855

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

Charles J. Carter
 SIGNATURE OF ENGINEER
 9/22/86
 DATE

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

London Cunningham
 SIGNATURE OF DEVELOPER
 9/22/86
 DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
Joseph M. Nelson
 DATE 9-23-86

APPROVED: OFFICE OF PLANNING AND ZONING
James L. Amick
 DATE 9-30-86

PLANNING DIRECTOR
John M. Mueschler
 DATE 9-30-86

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS
Stephen L. Fisher
 DATE 9/22/86

DISTRICT HEALTH OFFICER
Joseph M. Nelson
 DATE 9-29-86

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.
Robert M. Bowers
 DATE 9-26-86

DIRECTOR, PUBLIC WORKS

Wayne H. Davis
 DATE 9-26-86

CHIEF, BUREAU OF ENGINEERING

SUBDIVISION	SECTION/AREA	LOT NOS.
THE FAIRWAYS	1/1	1-71 9-42
PLAT NOS. G270 G272	BLOCK NO. 230	TAX/ZONE ELEC. DIST. CENSUS TR.
WATER CODE J-1G	SEWER CODE 800100	6023-01

SITE DEVELOPMENT PLAN
THE FAIRWAYS

SECTION ONE AND LOT 2
 2ND ELECTION DIST. HOWARD COUNTY
 SCALE: 1"=50'
 DATE: JUNE 11, 1986

SHEET 4 OF 4
 REVISED SEPTEMBER 10, 1986

OWNER AND DEVELOPER
 FORT HILL GOLF CLUB, INC.
 GORDON GREENSPUN
 SUITE 275, COMMERCE CENTRE EAST
 177 REISTERSTOWN ROAD
 BALTIMORE, MD 21208

