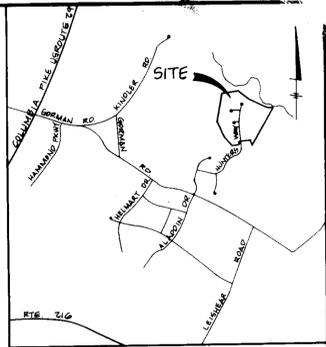


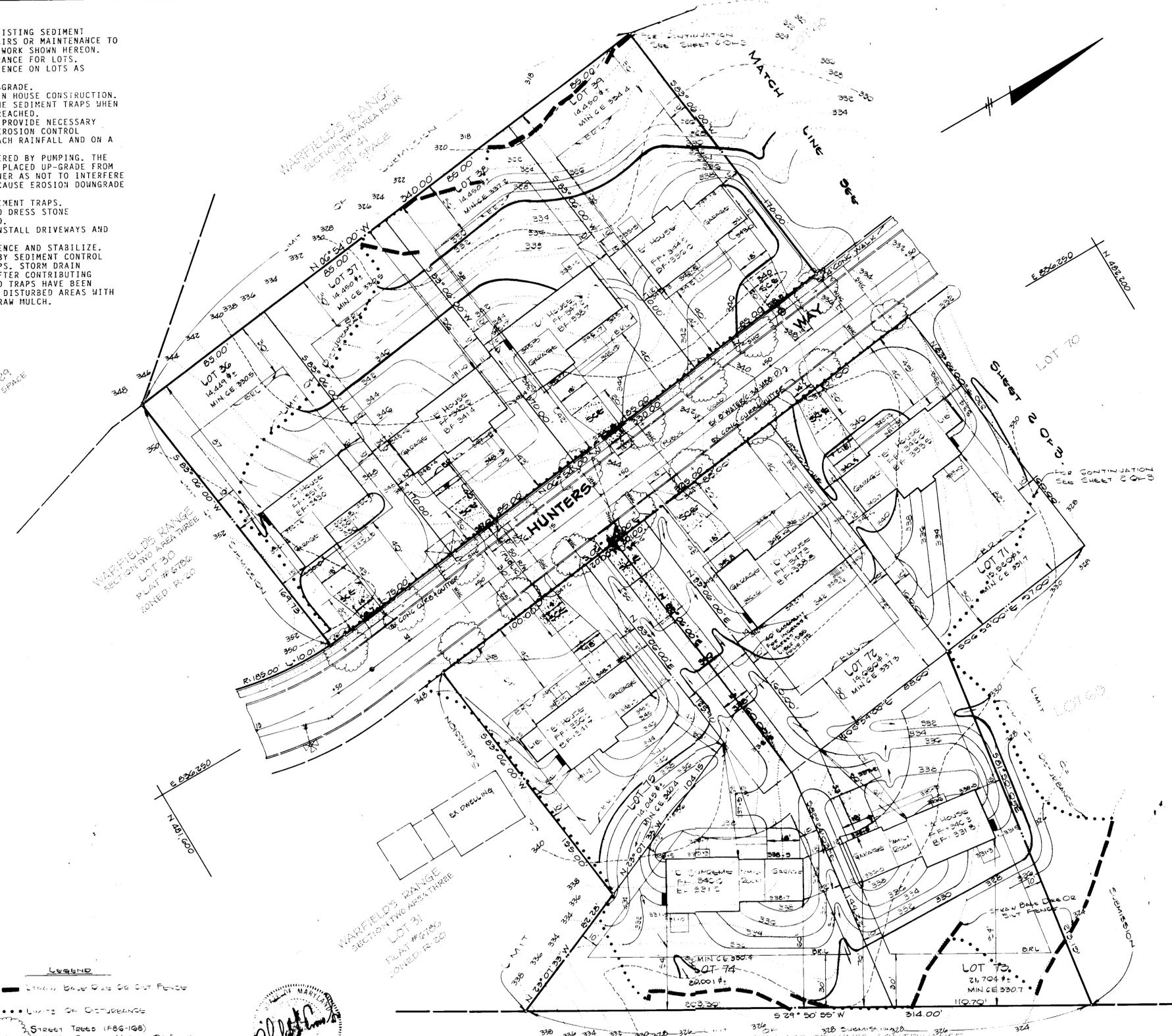
CONSTRUCTION SEQUENCE:

1. OBTAIN GRADING PERMIT. INSPECT EXISTING SEDIMENT TRAPS AND MAKE ANY NECESSARY REPAIRS OR MAINTENANCE TO THE TRAPS PRIOR TO BEGINNING ANY WORK SHOWN HEREON.
2. CONSTRUCT STONE CONSTRUCTION ENTRANCE FOR LOTS.
3. INSTALL STRAW BALE DIKE OR SILT FENCE ON LOTS AS REQUIRED.
4. CLEAR AND GRUB HOUSE SITES TO SUBGRADE.
5. EXCAVATE FOR FOUNDATIONS AND BEGIN HOUSE CONSTRUCTION. SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT TRAPS WHEN THE CLEANOUT ELEVATION HAS BEEN REACHED.
6. 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.
7. 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.
8. STORM DRAINS MUST EMPTY INTO SEDIMENT TRAPS.
9. REMOVE SEDIMENT FROM ROADWAYS AND DRESS STONE CONSTRUCTION ENTRANCE AS REQUIRED.
10. FINE GRADE LOTS AND STABILIZE. INSTALL DRIVEWAYS AND SIDEWALKS.
11. REMOVE STRAW BALE DIKE OR SILT FENCE AND STABILIZE.
12. 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.



GENERAL NOTES:

1. SUBJECT PROPERTY IS LOCATED ON TAX MAP 42, PART OF PARCEL 80.
2. PLAT REFERENCE:
3. PRESENT ZONING IS: R-20 (RESIDENTIAL-SINGLE)
4. MINIMUM SETBACKS:
FRONT: 50' (LOTS > 20,000 S.F.)
40' (LOTS < 20,000 S.F.)
SIDE: 30' (FROM PUBLIC R/W)
10'
REAR: 30'
5. TYPICAL HOUSE DIMENSIONS, SCHEMATIC PROFILE, DETAILS, SEDIMENT CONTROL NOTES AND SPECIFICATIONS CAN BE FOUND ON SHEET 3 OF 3.
6. SITE ANALYSIS:
A. TOTAL NUMBER OF LOTS: 19
B. TOTAL AREA OF LOTS: 6.946 AC.±
7. STREET TREES WILL BE PROVIDED UNDER F-86-168 BY THE DEVELOPER - PHELPS ASSOCIATES
8. THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION DIVISION, 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK @ 792-2630.
9. EXISTING TOPOGRAPHY SHOWN WAS PROVIDED BY PHOTO SCIENCE, INC., 7840 AIRPARK ROAD; MONTGOMERY AIRPARK; GAITHERSBURG, MARYLAND 20879.
10. STORMWATER MANAGEMENT WAS DESIGNED AND CONSTRUCTED FOR WASHFIELD'S RANGE SECTION 2 AREA 1 UNDER F-84-59.



LOT NO.	STREET ADDRESS
36	10555 HUNTERS WAY
37	10550 HUNTERS WAY
38	10543 HUNTERS WAY
39	10547 HUNTERS WAY
40	10571 HUNTERS WAY
47	10500 HUNTERS WAY
48	10583 HUNTERS WAY
49	10567 HUNTERS WAY
57	10522 RACHEL YATES COURT
65	10506 HUNTERS WAY
66	10522 HUNTERS WAY
67	10566 HUNTERS WAY
68	10504 HUNTERS WAY
70	10576 HUNTERS WAY
71	10572 HUNTERS WAY
72	10560 HUNTERS WAY
73	10557 HUNTERS WAY
74	10560 HUNTERS WAY
75	10556 HUNTERS WAY

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE **1-5-87**

LEGEND
--- STRAW BALE DIKE OR SILT FENCE
... LIMITS OF OCCURRENCE
Street Trees (F86-168)
2-1/2" MIN CALIPER MAPLES OR EQUAL
PLANTED @ 40' O.C.
By THE DEVELOPER, PHELPS ASSOCIATES



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 SOIL CONSERVATION DISTRICT.

Signature
DATE **1/24/87**

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
DATE **11-24-86**

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
Signature **1-30-87**
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED:
Signature **1/30/87**
DISTRICT HOWARD SOIL CONSERVATION DISTRICT

APPROVED: OFFICE OF PLANNING AND ZONING
Signature **2-10-87**
PLANNING DIRECTOR DATE

Signature **2-10-87**
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS
Signature **2-9-87**
HEALTH OFFICER DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.
Signature **1-7-87**
DIRECTOR PUBLIC WORKS DATE

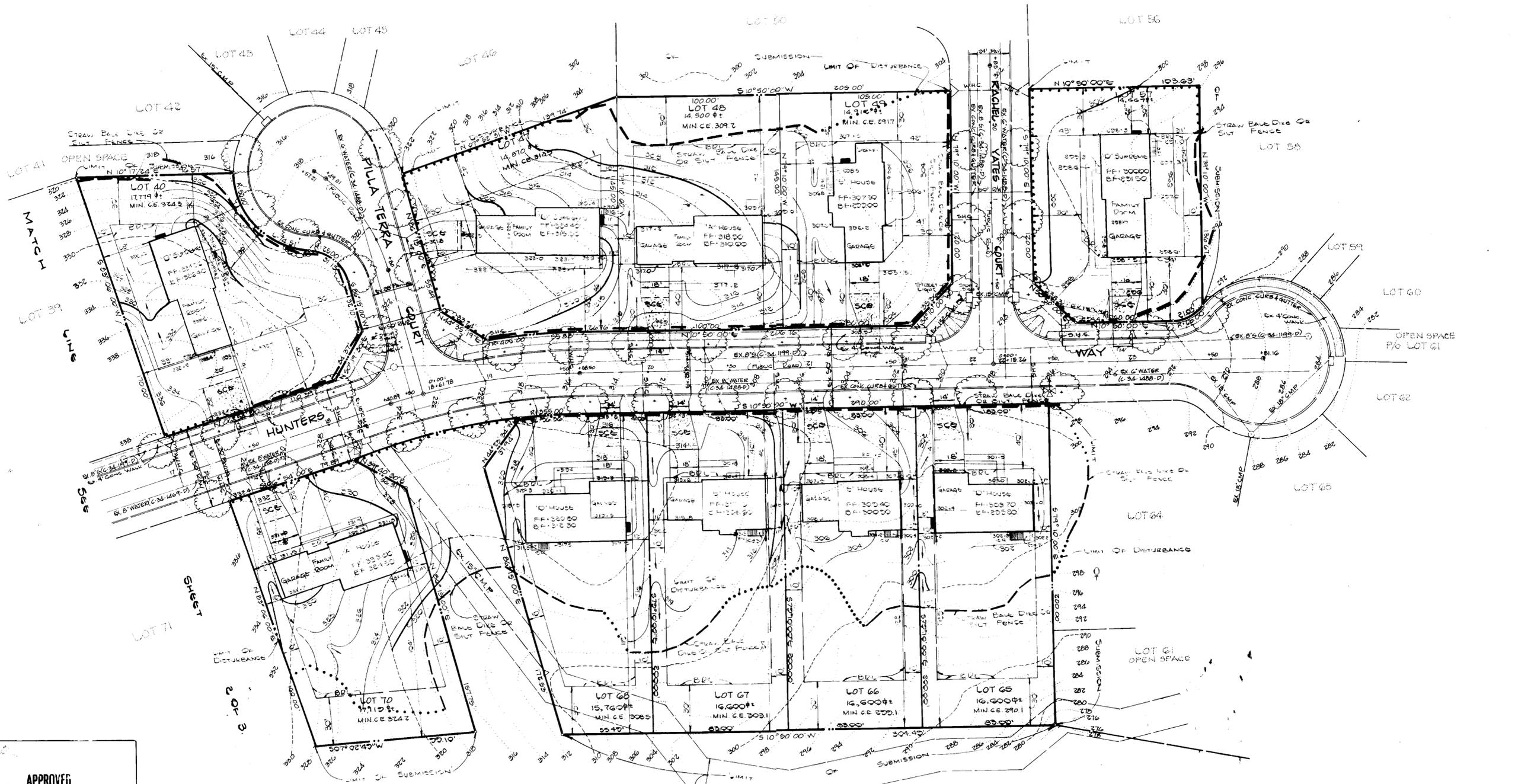
Signature **2-3-87**
CHIEF, BUREAU OF ENGINEERING DATE

SUBDIVISION	SECTION/AREA	LOT NOS.
WARFIELD'S RANGE	2/4	36-40, 47-49, 57, 65-68 AND 70-75
PLAT NO.	BLOCK NO.	ZONE
7003-7005	24-12	R-20
TAX / ZONE	ELEC. DIST.	CENSUS TR.
42	6th	6000
WATER CODE	SEWER CODE	
E-17	93-0000	

SITE DEVELOPMENT PLAN
WARFIELD'S RANGE
SECTION TWO AREA FOUR
LOTS 36-40, 47-49, 57, 65-68 AND 70-75

TAX MAP 42 P/O PARCEL 80
6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE 1" = 30' SHEET 1 OF 3 AUGUST 15, 1986

SDP 87-98



APPROVED
 DIVISION OF LAND DEVELOPMENT
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 1-5-87

LEGEND
 ——— STRAW BALE DIKE OR SILT FENCE
 ... LIMITS OF DISTURBANCE
 STREET TREES (80'-100')
 2-1/2" MIN CALIPER MAPLES OR EQUAL
 PLANTED @ 40' O.C.
 BY THE DEVELOPER, PHELPS ASSOCIATES



OWNER
 JANET W. FIELDS
 PHELPS ASSOCIATES
 10504 PATENTON BLOOR WAYS
 LAUREL, MARYLAND 20707

DEVELOPER
 PHELPS ASSOCIATES
 5570 STEWART PLACE
 SUITE 201
 COLUMBIA, MARYLAND 21044

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.

1/24/86
 SIGNATURE OF ENGINEER

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.

11-24-86
 SIGNATURE OF DEVELOPER

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
 1-30-87
 U.S. SOIL CONSERVATION SERVICE
 DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED:
 SIGNATURE OF DISTRICT OFFICER
 DATE

APPROVED: OFFICE OF PLANNING AND ZONING
 2-10-87
 PLANNING DIRECTOR
 DATE

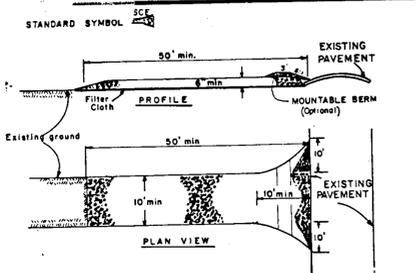
APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS
 2-8-87
 HEALTH OFFICER
 DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.
 2-3-87
 DIRECTOR PUBLIC WORKS
 DATE

2-3-87
 CHIEF, BUREAU OF ENGINEERING
 DATE

SUBDIVISION	SECTION/AREA	LOT NOS.
WARFIELD'S RANGE	2/4	36-40, 47-49, 57-60 AND 70-75
PLAT NO.	BLOCK NO.	ZONE
7003-7006	214	R-20
WATER CODE	ELEC. DIST.	CENSUS TR.
E-17	6	60000
	SEWER CODE	
	6000000	

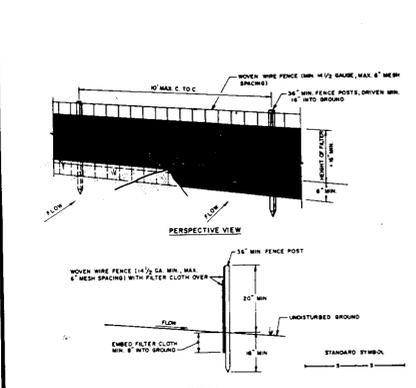
SITE DEVELOPMENT PLAN
 WARFIELD'S RANGE
 SECTION TWO AREA FOUR
 LOTS 36, 40, 47, 49, 57, 60 AND 70-75
 TAX MAP 22 P/O PARCEL 80
 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE 1"=30'
 AUGUST 15, 1986
 SHEET 2 OF 3
 SDP-87-98



CONSTRUCTION SPECIFICATIONS

- Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
- Length - As required, but not less than 30 feet (except on a single residence lot where a 30 foot minimum length would apply).
- Thickness - Not less than 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 cloth 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 mounded berm with 3:1 slope 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.

STONE CONSTRUCTION ENTRANCE
NOT TO SCALE



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- When wire fence to be fastened securely to fence posts with wire ties or staples.
- Filter cloth to be fastened securely to wooden wire fence with ties spaced every 24" at top and mid section.
- When two sections of filter cloth abut each other they shall be overlapped by six inches and folded.
- Maintenance shall be performed as needed and material removed when "balding" develops in the silt fence.

SILT FENCE
NOT TO SCALE

APPROVED DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION HOWARD COUNTY, MARYLAND DATE 1-5-87

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

PERMANENT SEEDING NOTES:

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

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

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

- 1) PREFERRED:** APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 500 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 UREAFORM 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 "C" PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 50 LBS PER ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 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 GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.

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

TEMPORARY SEEDING NOTES:

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

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

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

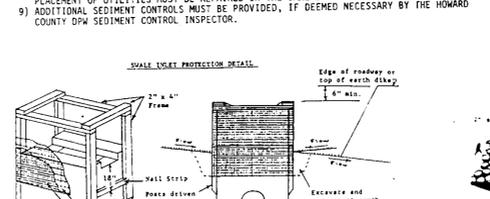
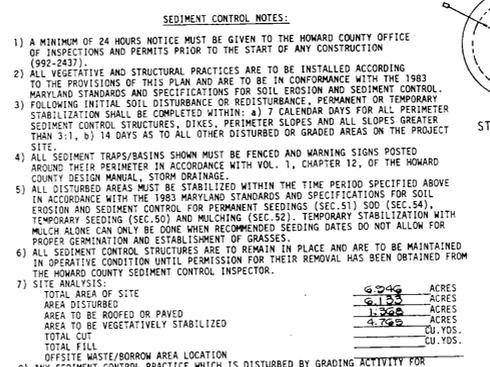
SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 27 POUNDS PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ. FT.). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF KEEPING LOVEGRASS (.07 LBS/1000 SQ. FT.). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT 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 GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES, 8 FT. OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.

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

SEDIMENT CONTROL NOTES:

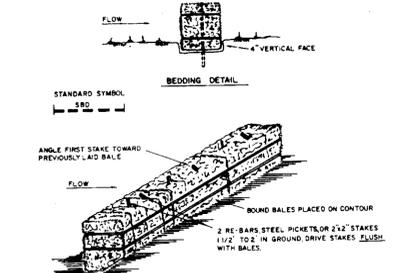
- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (892-2437).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND 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 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- 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) SOO (SEC. 52) 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.
- SITE ANALYSIS:**
TOTAL AREA OF SITE: 5.046 ACRES
AREA DISTURBED: 6.133 ACRES
AREA TO BE ROOFED OR PAVED: 1.368 ACRES
AREA TO BE VEGETATIVELY STABILIZED: 4.765 ACRES
TOTAL CUT: 0.000 CU. YDS.
TOTAL FILL: 0.000 CU. YDS.
- OFFSITE WASTE/BORROW AREA LOCATION
- 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 DPW SEDIMENT CONTROL INSPECTOR.



INLET PROTECTION DETAILS
NOT TO SCALE

Procedure

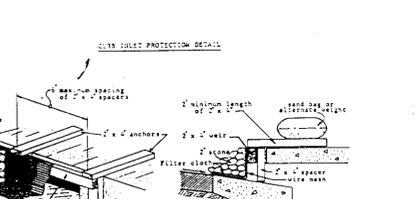
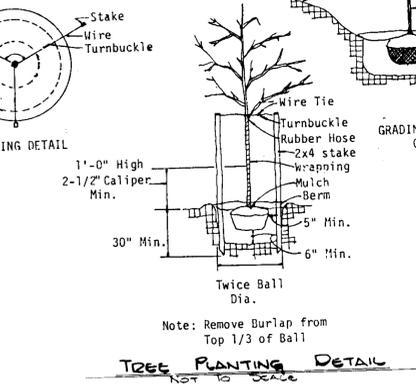
- A swale, ditchline or yard inlet protection:
 - Excavate completely around inlet to a depth of 18" below notch elevation.
 - Drive 2 x 4 post 12" into ground at four corners of inlet. Place nail across between posts on ends of inlet. Assemble top portion of 2 x 4 frame using overlap joint shown. Top of frame (weir) must be 4" 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, the "fastened" down.
 - Backfill around inlet in compacted 4" 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 notch 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.
- Curb Inlet Protection:
 - Attach a continuous piece of wire mesh (30" min. width by throat length plus 4") to the 2" x 4" weir (assuming 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 3" long vertical supports 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 equal 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 dike directing flow into inlet.



CONSTRUCTION SPECIFICATIONS

- 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.
- Each bale shall be embedded in the soil a minimum of (4) inches, and placed so cover is needed.
- Bales shall be securely anchored in place by either two stakes or re-bars driven through the bale. The first stake or re-bar shall be driven toward the previously laid bale at an angle to force the bales together. Stakes shall be driven flush with the bale.
- Inspection shall be frequent and repair replacement shall be made promptly as needed.
- Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

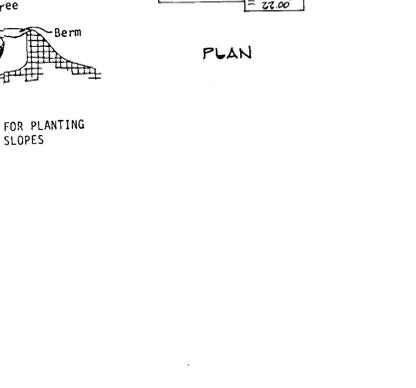
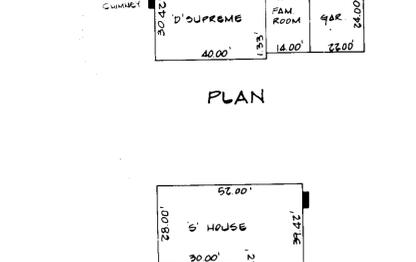
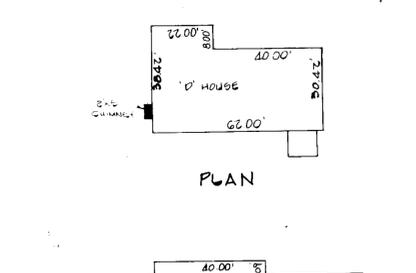
STRAW BALE DIKE
NOT TO SCALE



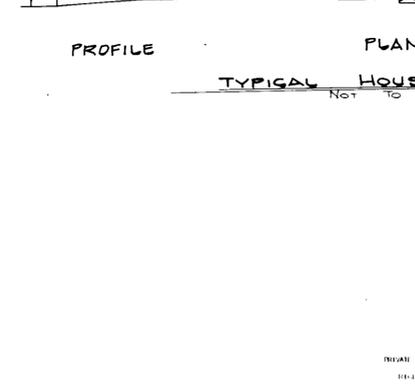
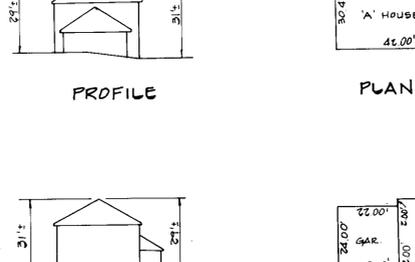
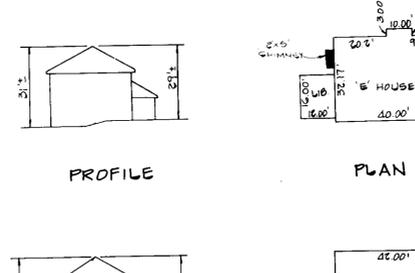
INLET PROTECTION DETAILS
NOT TO SCALE

Procedure

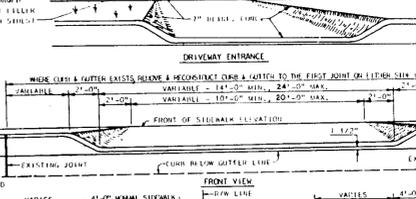
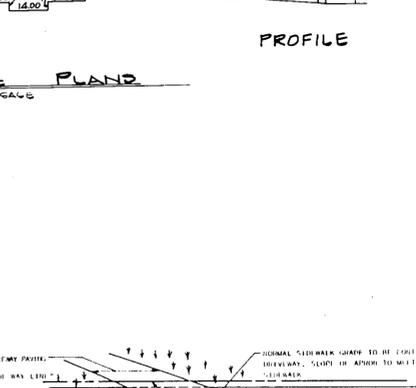
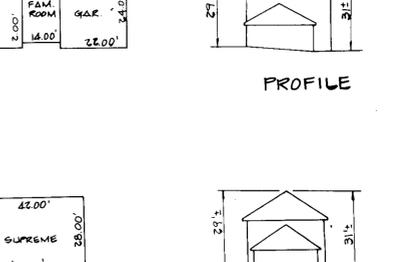
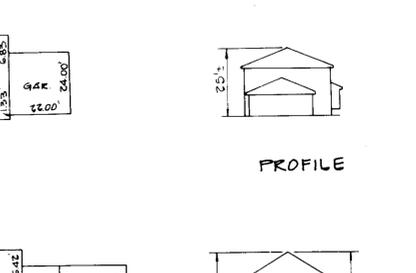
- A swale, ditchline or yard inlet protection:
 - Excavate completely around inlet to a depth of 18" below notch elevation.
 - Drive 2 x 4 post 12" into ground at four corners of inlet. Place nail across between posts on ends of inlet. Assemble top portion of 2 x 4 frame using overlap joint shown. Top of frame (weir) must be 4" 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, the "fastened" down.
 - Backfill around inlet in compacted 4" 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 notch 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.
- Curb Inlet Protection:
 - Attach a continuous piece of wire mesh (30" min. width by throat length plus 4") to the 2" x 4" weir (assuming 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 3" long vertical supports 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 equal 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 dike directing flow into inlet.



TYPICAL HOUSE PLAN
NOT TO SCALE



TYPICAL HOUSE PLAN
NOT TO SCALE



TYPICAL HOUSE PLAN
NOT TO SCALE

RESIDENTIAL DRIVEWAY ENTRANCE
NOT TO SCALE

OWNER: JANET W. FIELDS, 10804 PETERBURG BOGE WAYS, LAUREL, MARYLAND 20707

DEVELOPER: FIELDS ASSOCIATES, 5870 STUBBETT PLACE, SUITE 201, COLUMBIA, MARYLAND 21044

NOTES AND DETAILS:
WARFIELD'S RANGE SECTION TWO AREA FOUR
LOTS 36-40, 47-49, 57, 65-68 AND 70-75
TAX MAP 46 P/O PARCEL 80
6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1"=30' AUGUST 19, 1986
SHEET 5 OF 8
SDP-87-98

APPROVED OFFICE OF PLANNING AND ZONING
DATE 2-9-87

APPROVED DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.
DATE 2-9-87

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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.

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.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
DATE 1-30-87

APPROVED HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS
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