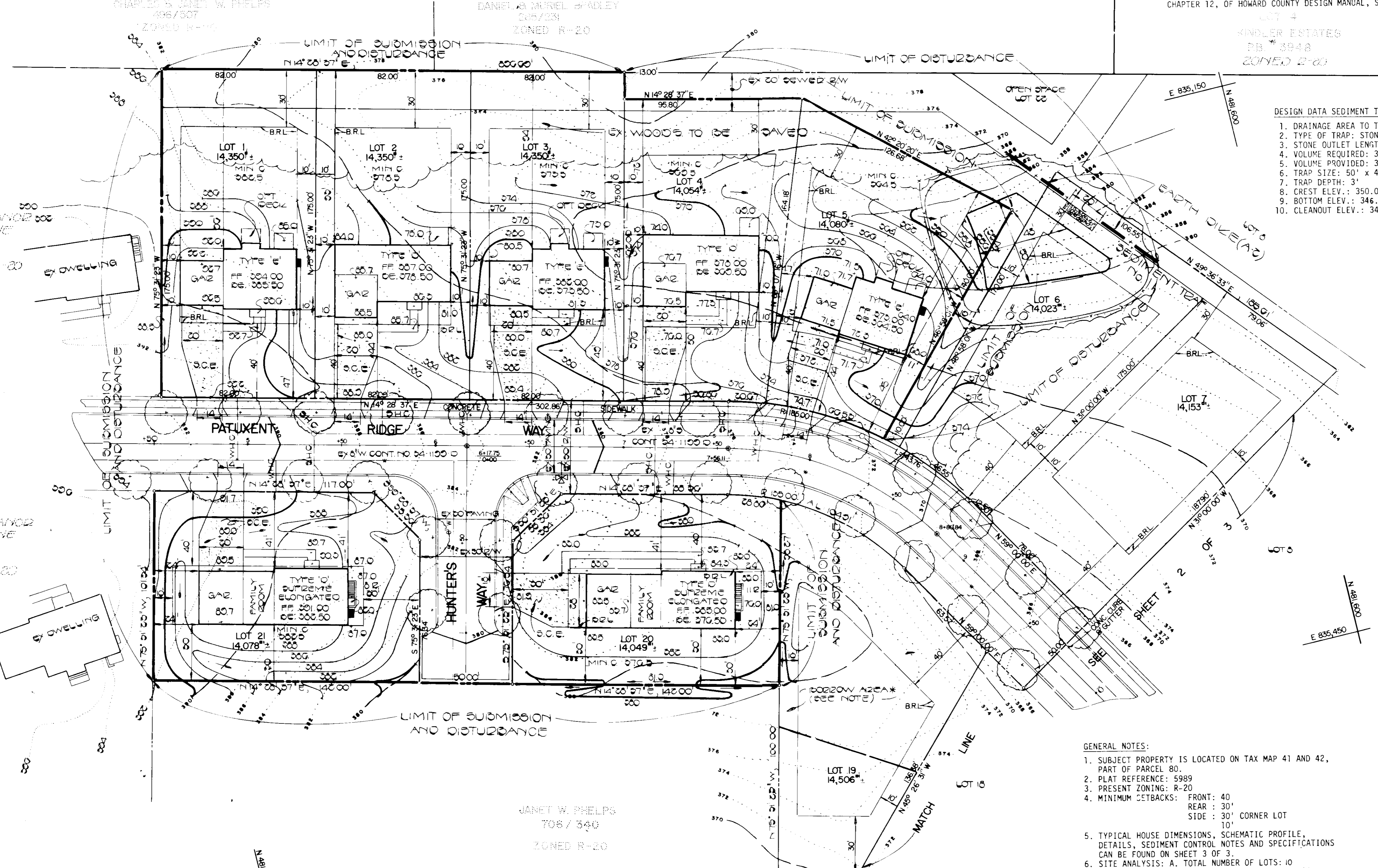
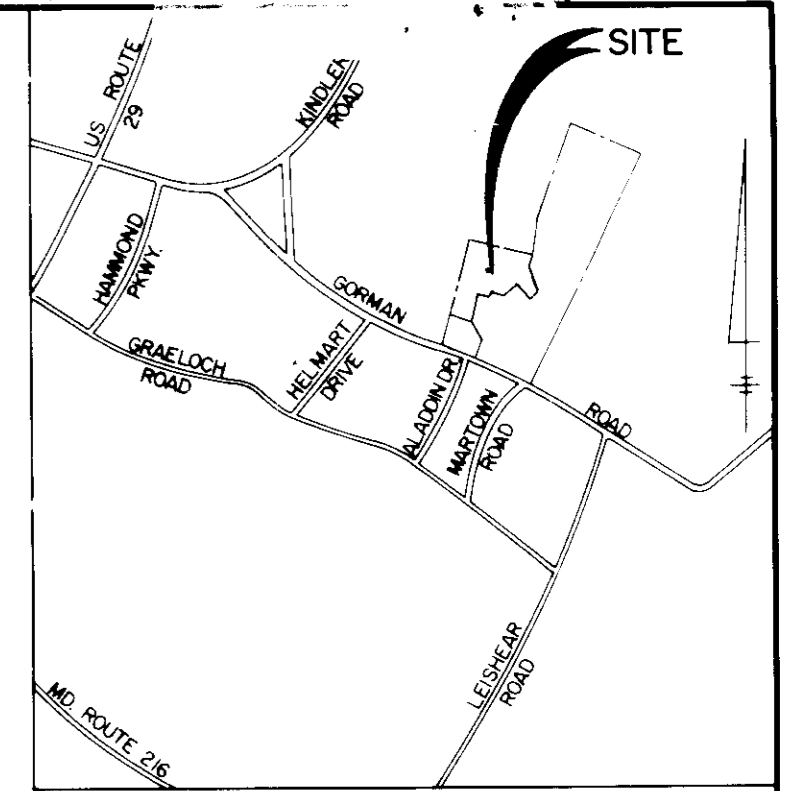


NOTE: SEDIMENT CONTROL FOR LOTS 17, 20, 21 AND PART OF LOT 16 WILL BE PROVIDED BY UTILIZING THE STORM WATER MANAGEMENT POND (NOW BEING TEMPORARILY USED AS AN EXISTING SEDIMENT BASIN) SEE PLANS F-84-94. IN THE EVENT THAT THE SEDIMENT BASIN IS CONVERTED INTO A PERMANENT STORM WATER MANAGEMENT POND BEFORE ALL DISTURBED AREAS INVOLVED WITH THE CONSTRUCTION OF THE DWELLINGS ON LOTS 17, 20, 21 AND PART OF LOT 16 A SEDIMENT CONTROL PLAN FOR LOTS 17, 20, 21 AND PART OF LOT 16 MUST BE SUBMITTED AND APPROVED BY THE HOWARD SOIL CONSERVATION DISTRICT.

NOTE: ALL SEDIMENT TRAPS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1 CHAPTER 12, OF HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.



- DESIGN DATA SEDIMENT TRAP NO. 1:
1. DRAINAGE AREA TO TRAP: 5.0 AC.+
 2. TYPE OF TRAP: STONE OUTLET SEDIMENT TRAP.
 3. STONE OUTLET LENGTH: 20'
 4. VOLUME REQUIRED: 335 C.Y.
 5. VOLUME PROVIDED: 340 C.Y.
 6. TRAP SIZE: 50' x 48' (BOTTOM DIMENSIONS)
 7. TRAP DEPTH: 3'
 8. CREST ELEV.: 350.00
 9. BOTTOM ELEV.: 346.00
 10. CLEANOUT ELEV.: 347.50

- CONSTRUCTION SEQUENCE:
1. OBTAIN GRADING PERMIT.
 2. INSPECT EXISTING SEDIMENT BASIN AND MAKE ANY NECESSARY REPAIRS OR MAINTENANCE TO THE BASIN PRIOR TO BEGINNING ANY WORK SHOWN HEREON.
 3. CONSTRUCT STONE CONSTRUCTION ENTRANCE FOR LOTS.
 4. EXCAVATE SEDIMENT TRAP NO. 1. CONSTRUCT EARTH DIKE STABILIZE WITH SEED AND MULCH.
 5. INSTALL STRAW BALE DIKE OR SILT FENCE ON LOTS.
 6. CLEAR AND GRUB HOUSE SITES TO SUBGRADE.
 7. EXCAVATE FOR FOUNDATIONS AND BEGIN HOUSE CONSTRUCTION.
 8. SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT TRAP WHEN THE CLEANOUT ELEVATION HAS BEEN REACHED.
 9. 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.
 10. THE SEDIMENT TRAP SHALL BE DETERMINED BY PUMPING. THE SEDIMENT FROM THE TRAP SHALL BE PLACED UP-GRADE FROM THE SEDIMENT TRAP IN SUCH A MANNER AS NOT TO INTERFERE WITH CONSTRUCTION OPERATIONS OR CAUSE EROSION DOWNGRADE FROM THE SEDIMENT TRAP.
 11. REMOVE SEDIMENT FROM ROADWAYS AND DRESS STONE CONSTRUCTION ENTRANCE AS REQUIRED.
 12. FINE GRADE LOTS AND STABILIZE. INSTALL DRIVEWAYS AND SIDEWALKS.
 13. REMOVE STRAW BALE DIKE OR SILT FENCE AND STABILIZE. SEEDING MIXTURE AND STRAW MULCH.
 14. AFTER PERMISSION HAS BEEN GIVEN BY SEDIMENT CONTROL INSPECTOR, BACKFILL SEDIMENT TRAP AND STABILIZE REMAINING DISTURBED AREA WITH PERMANENT SEEDING MIXTURE AND STRAW MULCH.

LOT #	ADDRESS
11	10807 PATUXENT RIDGE WAY
21	10812 PATUXENT RIDGE WAY
20	10800 PATUXENT RIDGE WAY
17	10806 PATUXENT RIDGE WAY
10	10800
5	10800
4	10800
3	10800
2	10801
1	10817
LOT #	ADDRESS

ADDRESS CHART

DIVISION

DATE: 1-11-85

- GENERAL NOTES:
1. SUBJECT PROPERTY IS LOCATED ON TAX MAP 41 AND 42, PART OF PARCEL 80.
 2. PLAT REFERENCE: 5989
 3. PRESENT ZONING: R-20
 4. MINIMUM SETBACKS: FRONT: 40', REAR: 30', SIDE: 30' CORNER LOT 10'
 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: 10 B. TOTAL AREA OF LOTS: 3.58 AC.+
 7. STREET TREES WILL BE PROVIDED UNDER F-84-94 BY THE DEVELOPER, PHELPS ASSOCIATES.
 8. STORM WATER MANAGEMENT IS PROVIDED UNDER F-84-94.

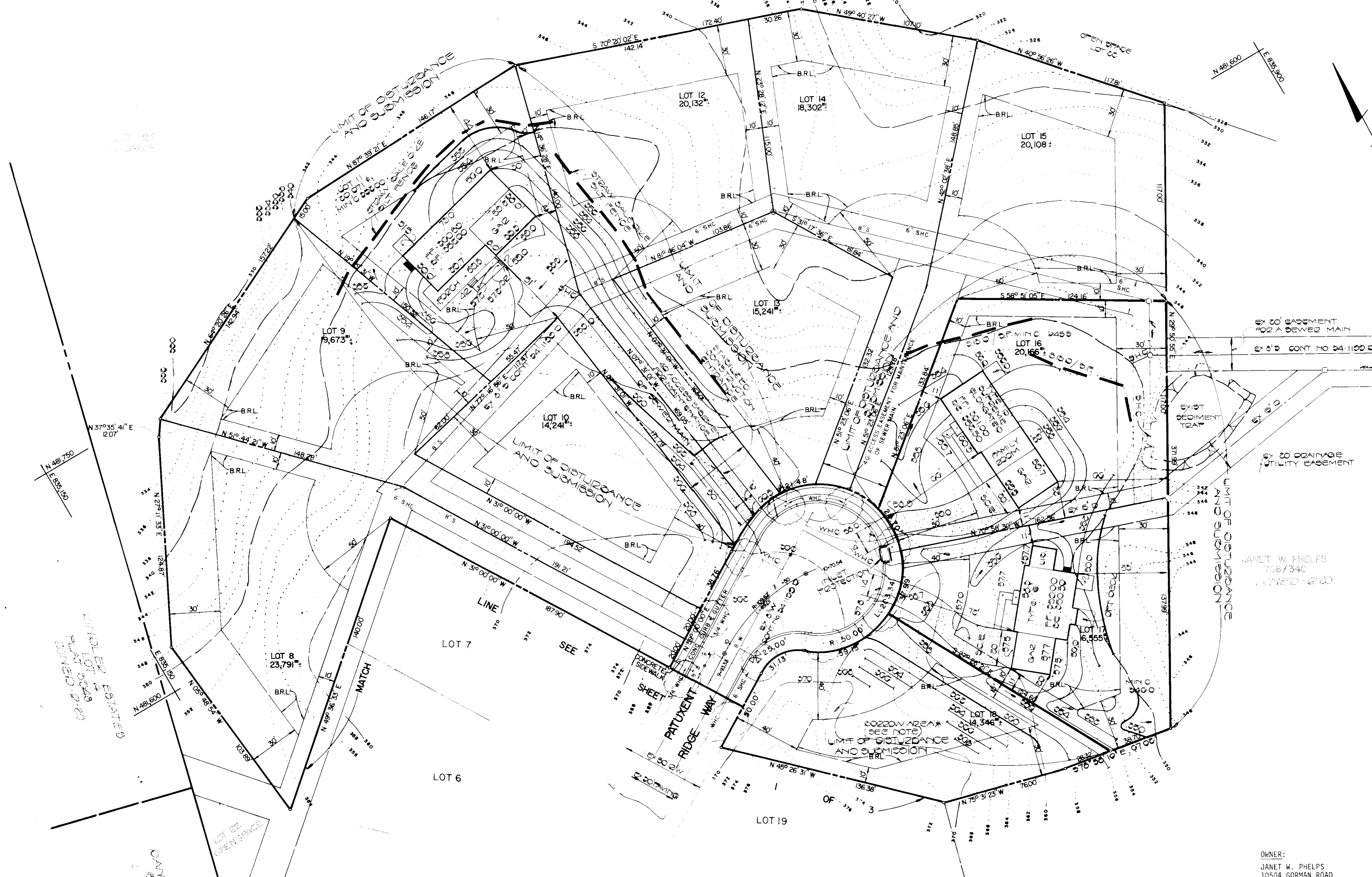
LANDSCAPE LEGEND

STREET TREES (F-84-94)
2" MIN. CALIPER MAPLES
PLANTED @ 40' O.C.
(BY THE DEVELOPER, PHELPS ASSOCIATES)

- SITE ANALYSIS:
1. TOTAL NUMBER OF LOTS: 10
 2. TOTAL AREA OF LOTS: 3.58 AC.+
 3. TOTAL AREA TO BE DISTURBED: 2.55 AC.+
 4. TOTAL IMPERVIOUS AREA: 0.80 AC.+
 5. TOTAL AREA TO BE REVEGETATED: 1.75 AC.+

*BORROW NOTE: SEDIMENT CONTROL FOR BORROW AREA (LOTS 18 & 19) WILL BE PROVIDED BY UTILIZING THE STORM WATER MANAGEMENT POND (NOW BEING TEMPORARILY USED AS AN EXISTING SEDIMENT BASIN) SEE PLANS F-84-94. IN THE EVENT THAT THE SEDIMENT BASIN IS CONVERTED INTO A PERMANENT STORM WATER MANAGEMENT POND BEFORE ALL DISTURBED AREAS INVOLVED WITH THE BORROW OPERATION, A SEDIMENT CONTROL PLAN FOR THE BORROW AREA (LOTS 18 AND 19) MUST BE SUBMITTED AND APPROVED BY THE HOWARD SOIL CONSERVATION DISTRICT.

<p>ENGINEER'S CERTIFICATE</p> <p>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.</p> <p>FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERS & LAND SURVEYORS 8388 COURT AVE. ELLCOTT, CITY, MD. 21043 (301) 461-2855</p> <p>Signature of Engineer: <i>Charles W. Fisher</i> Date: 1-13-85</p>	<p>DEVELOPER'S CERTIFICATE</p> <p>"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 SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."</p> <p>Signature of Developer: <i>Paul Mather</i> Date: 1-13-85</p>	<p>REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.</p> <p>Signature: <i>Jane M. Colman</i> Date: 1-29-85 U.S. SOIL CONSERVATION SERVICE</p> <p>THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.</p> <p>Signature: <i>Stephen J. ...</i> Date: 1-27-85 DISTRICT OFFICER HOWARD SOIL CONSERVATION DISTRICT</p>	<p>APPROVED: OFFICE OF PLANNING AND ZONING</p> <p>Signature: <i>James E. ...</i> Date: 2-4-85 PLANNING DIRECTOR</p> <p>Signature: <i>William ...</i> Date: 2-4-85 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION</p> <p>APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS</p> <p>Signature: <i>James ...</i> Date: 2-1-85 HEALTH OFFICER</p>	<p>APPROVED: DEPARTMENT OF PUBLIC WORKS, FOR PUBLIC WATER AND SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.</p> <p>Signature: <i>Clark F. ...</i> Date: 1-30-85 DIRECTOR, PUBLIC WORKS</p> <p>Signature: <i>William ...</i> Date: 1-30-85 CHIEF, BUREAU OF ENGINEERING</p> <p>SUBDIVISION NAME: WARFIELD'S RANGE SECTION/AREA: 2 / 1 LOT / PARCEL NO.: 1-5,11,16,17,20,21 PLAT NO./L.F. BLOCK NO. ZONE TAX / ZONE ELEC DIST CENSUS TR. MAP: 5989 24 R-20 418.42 6TH 6062 WATER CODE: E-17 SEWER CODE: 6360000</p>	<p>SITE DEVELOPMENT PLAN</p> <p>WARFIELD'S RANGE SECTION TWO AREA ONE LOTS 1-5,11,16,17,20 & 21 P/O PARCEL 80 TAX MAP 41 & 42</p> <p>6 TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND</p> <p>SCALE: 1"=30' SHEET 1 OF 3 DECEMBER 6, 1984</p>
---	--	---	---	---	--



BY 20' EASEMENT FOR A SEWER MAIN
BY 5' CONT NO 34 1100 D
BY 20' EASEMENT FOR A WATER MAIN

BY 20' DRAINAGE UTILITY EASEMENT

JANET W. PHELPS
706/340
10750-20

* BORROW NOTE: SEDIMENT CONTROL FOR BORROW AREA (LOTS 18 & 19) WILL BE PROVIDED BY UTILIZING THE STORM WATER MANAGEMENT POND (NOW BEING TEMPORARILY USED AS AN EXISTING SEDIMENT BASIN) SEE PLANS F-84-94. IN THE EVENT THAT THE SEDIMENT BASIN IS CONVERTED INTO A PERMANENT STORM WATER MANAGEMENT POND BEFORE ALL DISTURBED AREAS INVOLVED WITH THE BORROW OPERATION, A SEDIMENT CONTROL PLAN FOR THE BORROW AREA (LOTS 18 AND 19) MUST BE SUBMITTED AND APPROVED BY THE HOWARD SOIL CONSERVATION DISTRICT.

NOTE: SEDIMENT CONTROL FOR LOTS 17, 20, 21 AND PART OF LOT 16 WILL BE PROVIDED BY UTILIZING THE STORM WATER MANAGEMENT POND (NOW BEING TEMPORARILY USED AS AN EXISTING SEDIMENT BASIN) SEE PLANS F-84-94. IN THE EVENT THAT THE SEDIMENT BASIN IS CONVERTED INTO A PERMANENT STORM WATER MANAGEMENT POND BEFORE ALL DISTURBED AREAS INVOLVED WITH THE CONSTRUCTION OF THE DWELLINGS ON LOTS 17, 20, 21 AND PART OF LOT 16 A SEDIMENT CONTROL PLAN FOR LOTS 17, 20, 21 AND PART OF LOT 16 MUST BE SUBMITTED AND APPROVED BY THE HOWARD SOIL CONSERVATION DISTRICT.

LANDSCAPE LEGEND
STREET TREES (F-84-94)
2" MIN. CALIPER MAPLES
PLANTED @ 40' O/C
(BY THE DEVELOPER, PHELPS ASSOCIATES)

OWNER:
JANET W. PHELPS
10504 GORMAN ROAD
LAUREL, MARYLAND 20707
OWNER'S REPRESENTATIVE:
PHELPS ASSOCIATES
5570 STERRETT PLACE
SUITE 201
COLUMBIA, MARYLAND 21044
DEVELOPER:
F. G. MARKER, CO., INC.
5900 PRINCESS GARDEN PARKWAY
SUITE 107
LANHAM, MARYLAND 20706

1-11-85
H.M./J.C.M.

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERS & LAND SURVEYORS
8388 COURT AVE.
ELLICOTT CITY, MD. 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: *[Signature]*
DATE: 11-21-85

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 SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

Signature: *[Signature]*
DATE: 11-13-85

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Signature: *[Signature]*
DATE: 11-13-85

U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: *[Signature]*
DATE: 11-13-85

DISTRICT OF HOWARD SOIL CONSERVATION DISTRICT

APPROVED: OFFICE OF PLANNING AND ZONING

Signature: *[Signature]*
DATE: 11-13-85

PLANNING DIRECTOR

Signature: *[Signature]*
DATE: 11-13-85

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

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

Signature: *[Signature]*
DATE: 11-13-85

HEALTH OFFICER

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER AND SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

Signature: *[Signature]*
DATE: 11-13-85

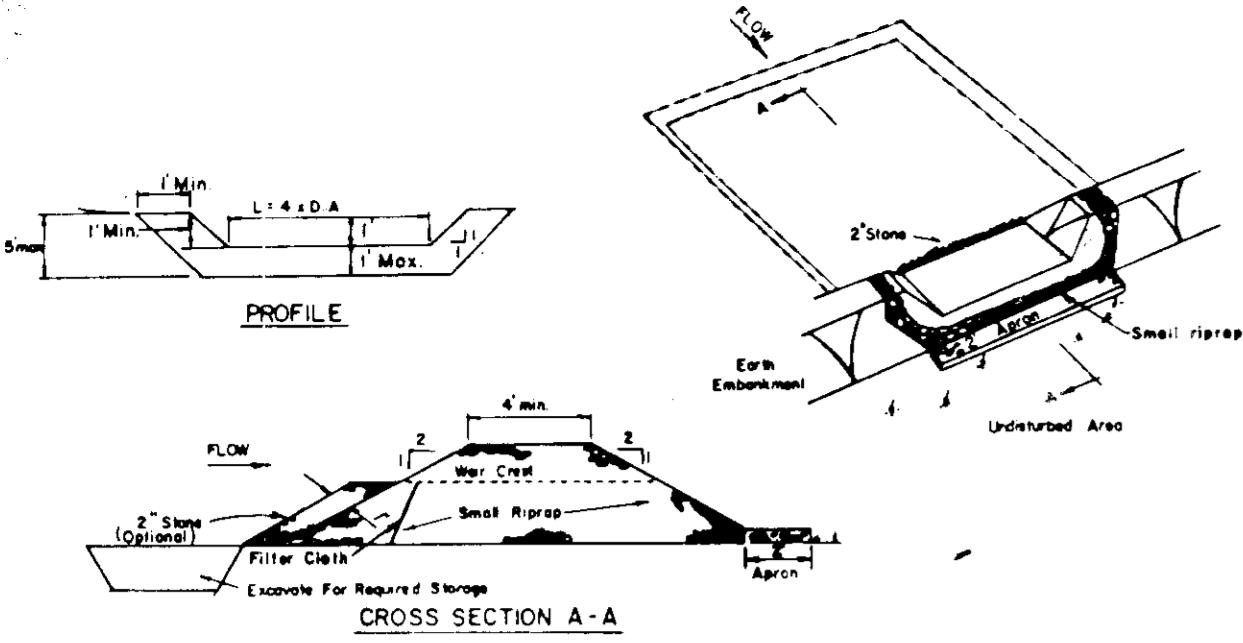
DIRECTOR OF PUBLIC WORKS

Signature: *[Signature]*
DATE: 11-13-85

CHIEF, BUREAU OF ENGINEERING

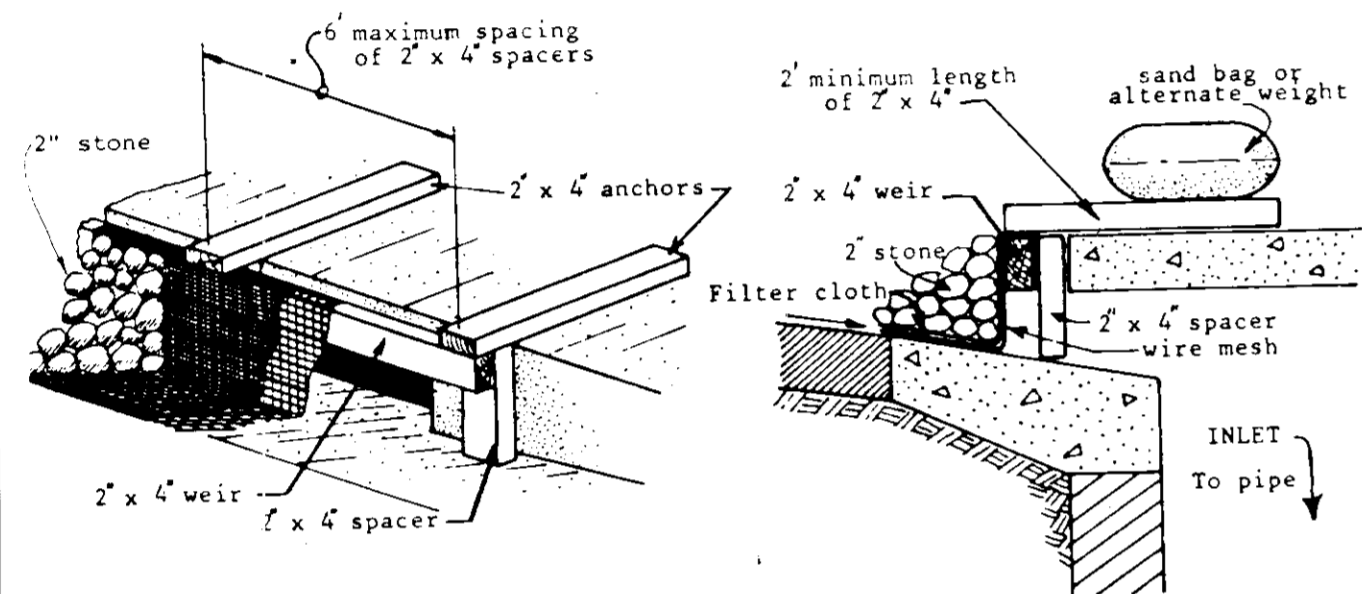
SUBDIVISION NAME: WARFIELD'S RANGE
SECTION/AREA: 2 / 1
LOT / PARCEL NO: 1-5, 11, 16, 17, 20, 21
PLAT NO / L.F.: 5989 / 24
BLOCK NO: R-20
ZONE: MAP 41/42
TAX / ZONE: 6TH
ELEC. DIST.: 6062
CENSUS TR.:
WATER CODE: E-17
SEWER CODE: 6360000

SITE DEVELOPMENT PLAN
WARFIELD'S RANGE
SECTION 2 AREA 1
LOTS 1-5, 11, 16, 17, 20, 21
P/O PARCEL 80
TAX MAP 41 & 42
6TH ELECTION DIST. HOWARD CO. MARYLAND
SCALE: 1" = 30'
DECEMBER 31, 1984
SHEET 2 OF 3



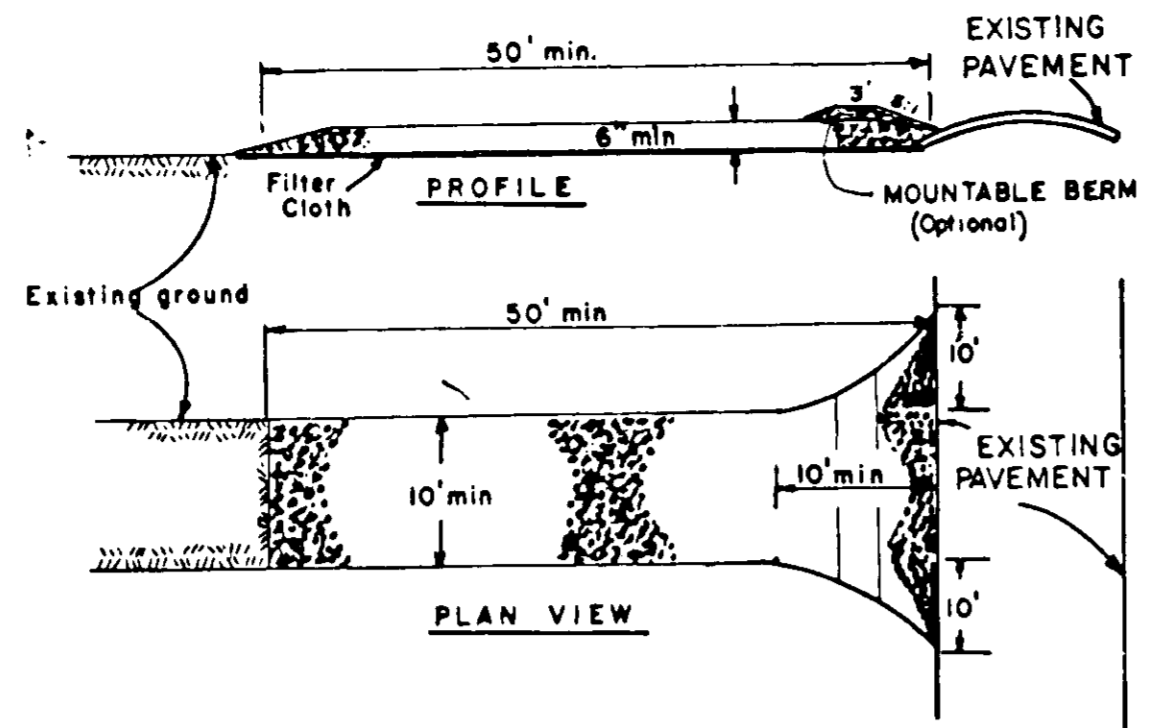
- OPTION: A one foot layer of 2" stone may be placed on the upstream side of the riprap in place of the embedded filter cloth.
- CONSTRUCTION SPECIFICATIONS FOR ST-V**
- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
 - The fill material for the embankment shall be free of rocks and 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.
 - All cut and fill slopes shall be 2:1 or flatter.
 - The stone used in the outlet shall be small riprap 4"-8" along with a 1" thickness of 2" aggregate placed on the upgrade side on the small riprap on embedded filter cloth in the riprap.
 - Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to the design depth of the trap.
 - The structure shall be inspected after each rain and repairs made as needed.
 - Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
 - The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

STONE OUTLET SEDIMENT TRAP
NOT TO SCALE



- 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 weir 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.

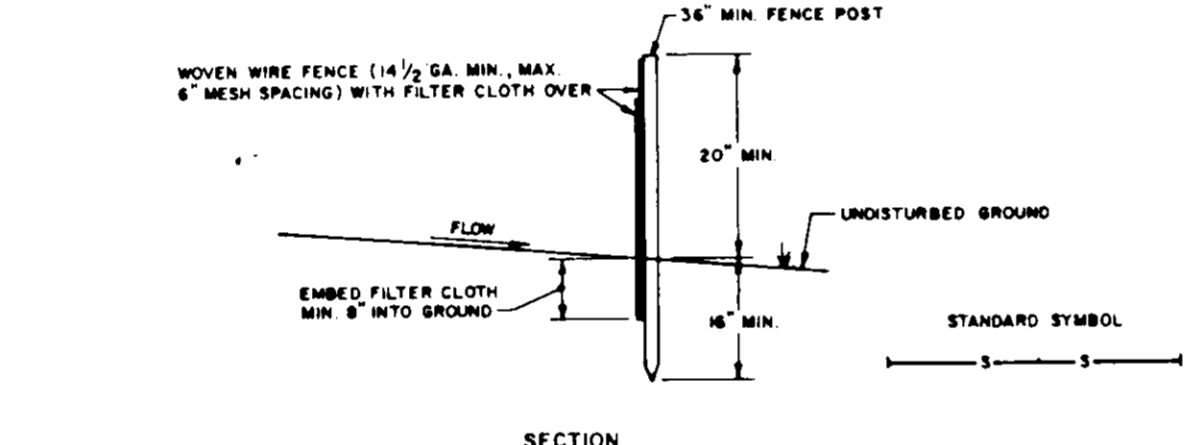
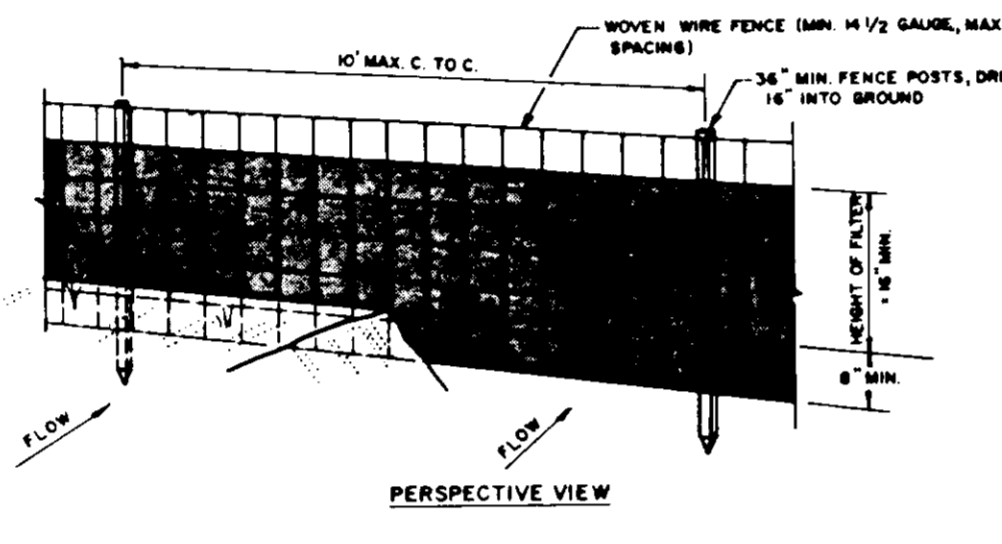
CURB INLET PROTECTION
NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

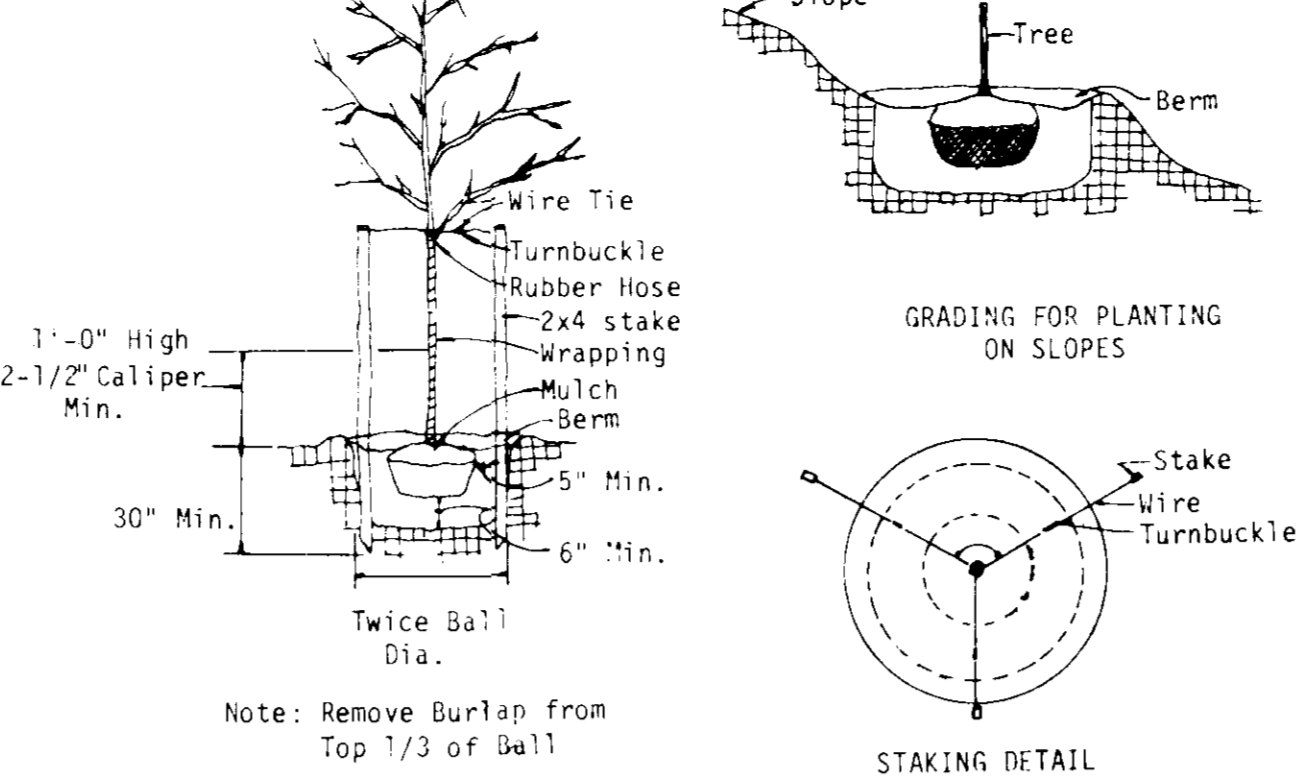
- Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
- Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
- Thickness - Not less than six (6) inches.
- Width - Ten (10) foot minimum, but not less than the 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 entrance 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 cleansing of any measures used to trap sediment. All sediment applied, 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.

STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

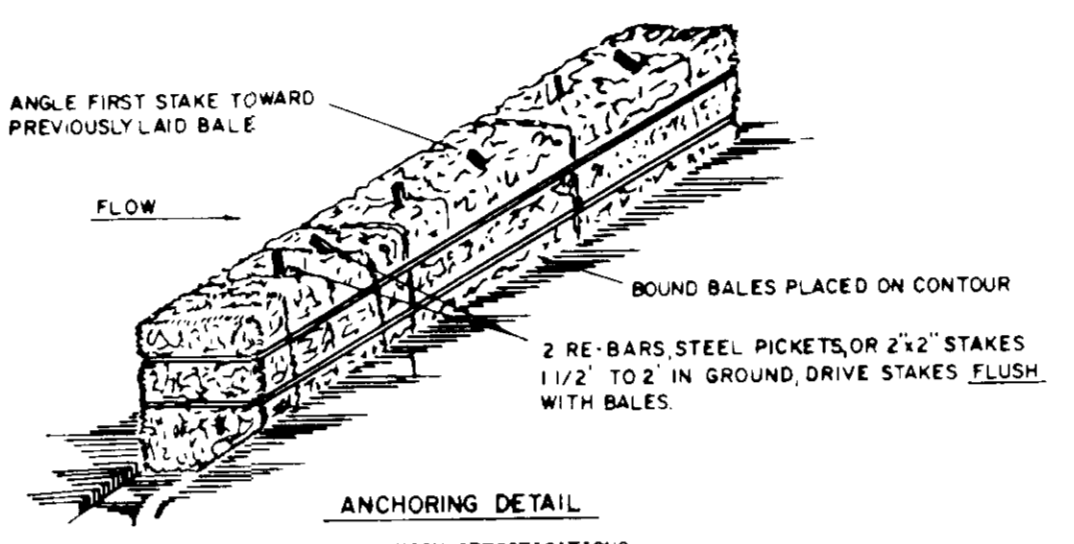


- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
- Woven wire fence to be fastened securely to fence posts with wire ties or staples.
 - Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
 - When two sections of filter cloth adjoin each other they 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, 1/4" GA. 6" MAX. MESH OPENING
FILTER CLOTH: FILTER X, MIRAFL 1000, STABILINA 1140N OR APPROVED EQUAL
PRE-FABRICATED UNIT: GEOKOR, GEOTEX, GEOTRIFENCE, OR APPROVED EQUAL.

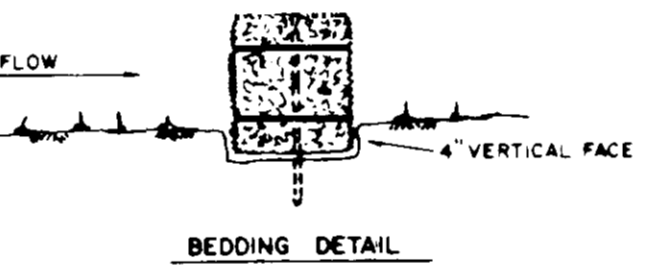
SILT FENCE
NOT TO SCALE



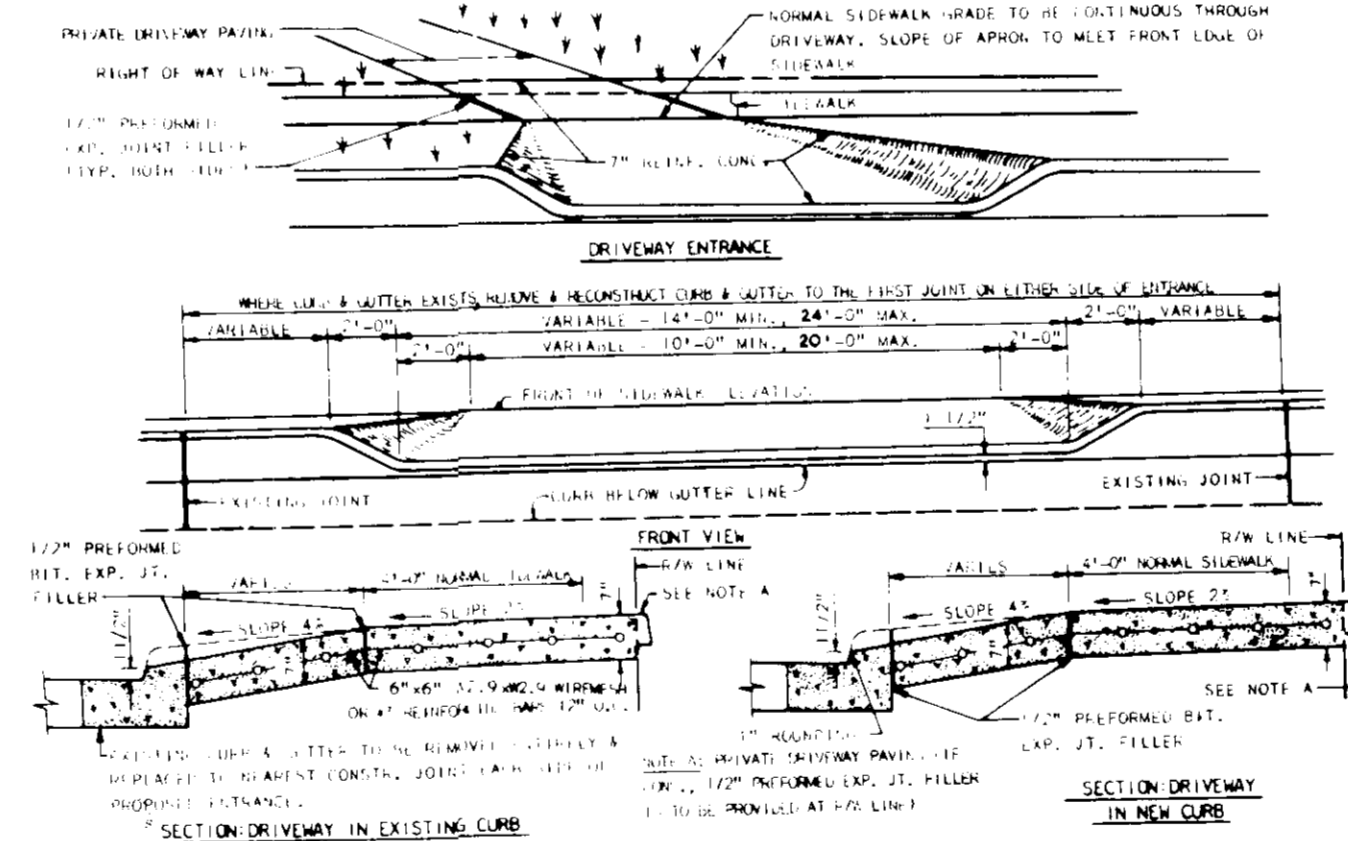
TREE PLANTING DETAIL
NOT TO SCALE



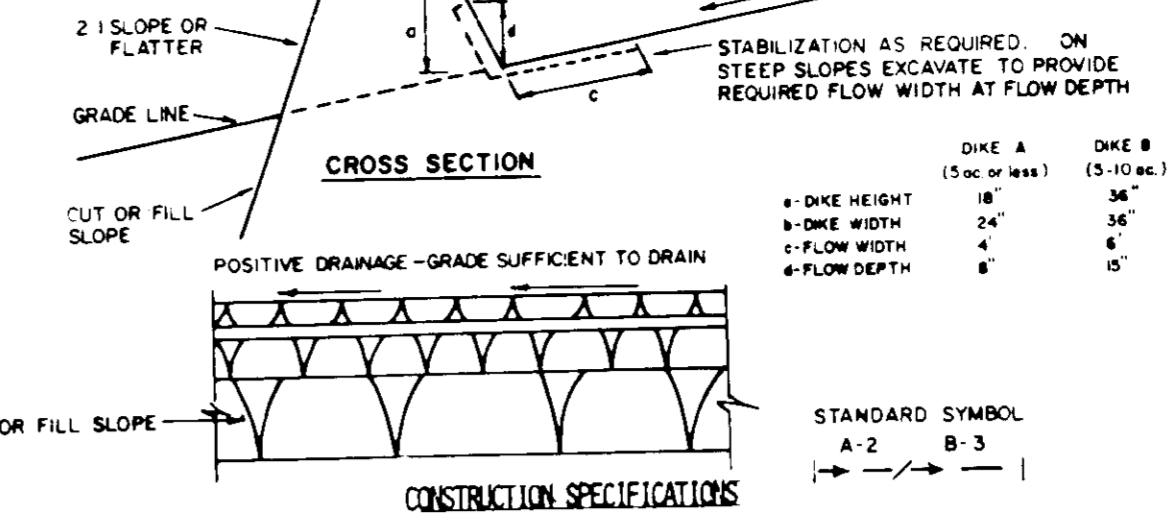
- Bales shall be placed at the toe of a slope or on the contour and in a row with ends tightly abutting the adjacent bales.
- Each bale shall be embedded in the soil a minimum of (4) inches, and placed so the bindings are horizontal.
- Bales shall be securely anchored in place by either two stakes or re-bars driven through the bale. The first stake in each bale shall be driven 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



RESIDENTIAL DRIVEWAY ENTRANCE
NOT TO SCALE

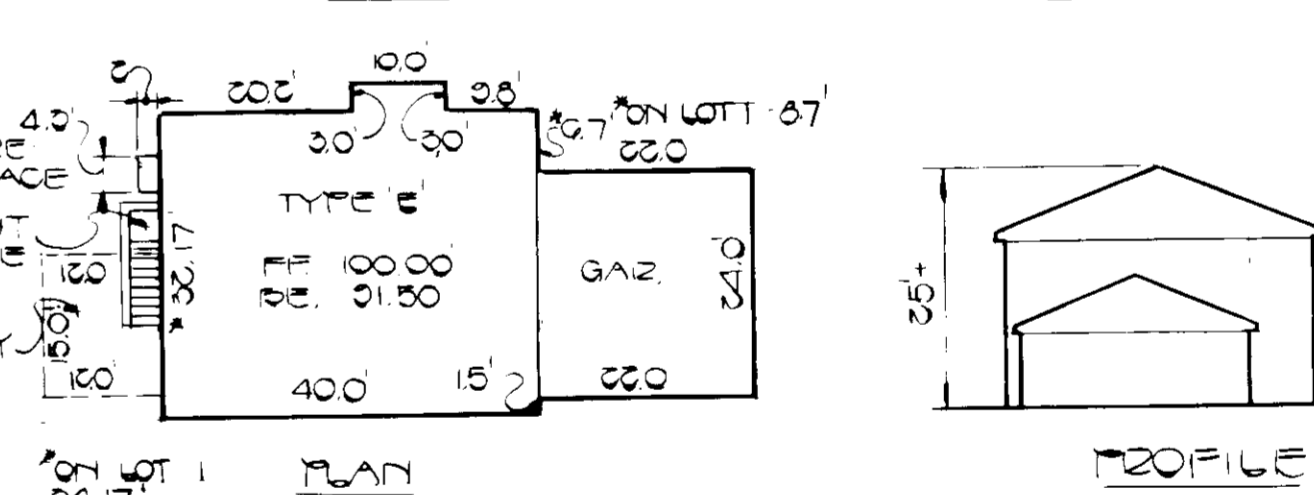
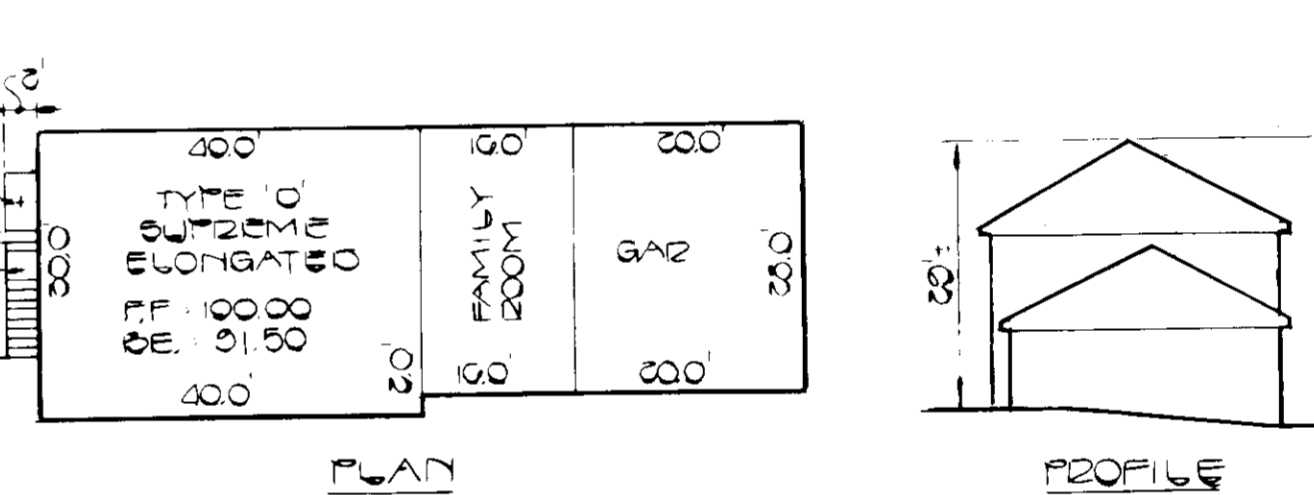
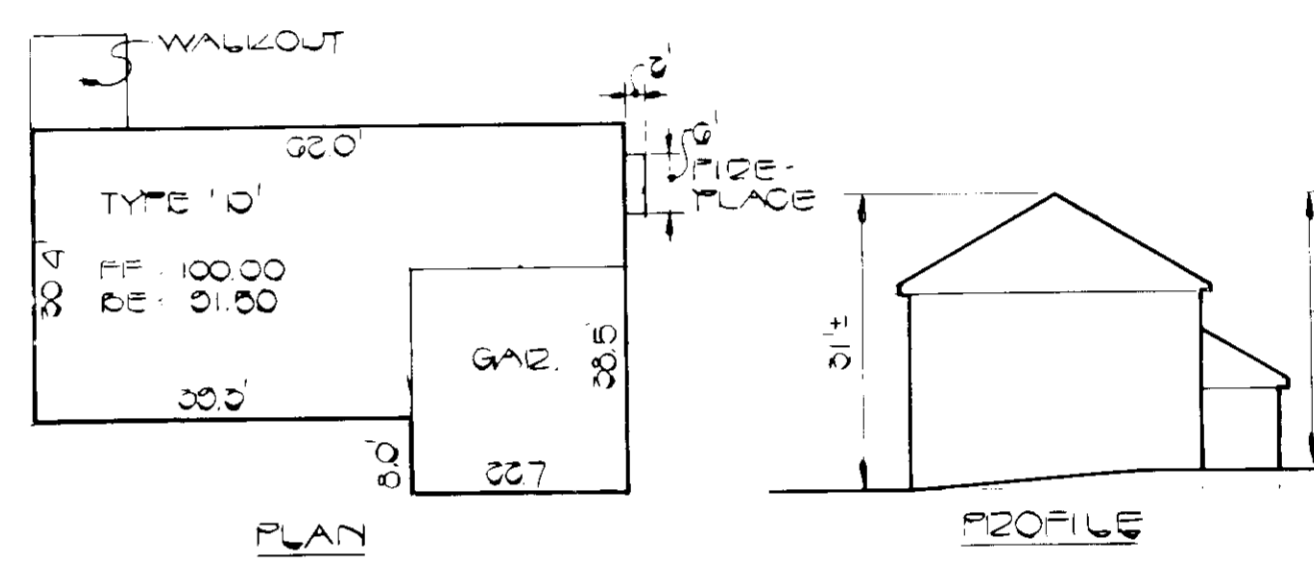


- All dikes shall be compacted by earth-moving equipment.
- All dikes shall have positive drainage to an outlet.
- Top width may be wider and side slopes may be flatter if desired to facilitate crossing by construction traffic.
- Field location should be adjusted as needed to utilize a stabilized safe 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 AS PER THE CHART BELOW.

TYPE OF TREATMENT	FLOW CHANNEL STABILIZATION	
	DIKE A	DIKE B
1	5-3.00 SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.00 SEED AND STRAW MULCH	SEED USING JUTE, OR EXCESSIVE SOIL; 2" STONE
3	5.1-8.00 SEED WITH JUTE, OR SOIL; 2" STONE	LINED RIP-RAP 4-8"
4	8.1-200 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 8 inches thickness and pressed into the soil.
C. APPROVED EQUIVALENTS CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS.
7. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

EARTH DIKE
NOT TO SCALE



TYPICAL HOUSE PLANS
NOT TO SCALE

- 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 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL 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 SEEDING (SEC. 51) AND (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONG CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
 - 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 (LIMIT OF SUBMISSION) 3.58 ACRES
AREA DISTURBED 2.55 ACRES
AREA TO BE ROOFED OR PAVED 0.80 ACRES
AREA TO BE VEGETATIVELY STABILIZED 1.75 ACRES
TOTAL CUT 4200 CU. YDS.
TOTAL FILL 6000 CU. YDS.
ON-SITE BORROW AREA LOCATION LOTS 18 & 19
 - ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

* BORROW NOTE:
SEDIMENT CONTROL FOR BORROW AREA (LOTS 18 & 19) WILL BE PROVIDED BY UTILIZING THE STORM WATER MANAGEMENT POND (NOW BEING TEMPORARILY USED AS AN EXISTING SEDIMENT BASIN) SEE PLANS F-84-94. IN THE EVENT THAT THE SEDIMENT BASIN IS CONVERTED INTO A PERMANENT STORM WATER MANAGEMENT POND BEFORE ALL DISTURBED AREAS INVOLVED WITH THE BORROW OPERATION, A SEDIMENT CONTROL PLAN FOR THE BORROW AREA (LOTS 18 AND 19) MUST BE SUBMITTED AND APPROVED BY THE HOWARD SOIL CONSERVATION DISTRICT.

OWNER:
JANET W. PHELPS
10504 GORMAN ROAD
LAUREL, MARYLAND 20707

OWNER'S REPRESENTATIVE:
PHELPS ASSOCIATES
5570 STERRETT PLACE
SUITE 201
COLUMBIA, MARYLAND 21044

DEVELOPER:
F.G. MARKER, CO., INC.
5900 PRINCESS GARDEN PARKWAY
SUITE 707
LANHAM, MARYLAND 20706

NOTES AND DETAILS
WARFIELD'S RANGE
SECTION TWO AREA ONE
LOTS 1-5, 11, 16, 17, 20 & 21
P/O PARCEL 80
TAX MAP 41 & 82
6 TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN SHEET 3 OF 3
DECEMBER 6, 1984

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERS & LAND SURVEYORS
8388 COURT AVE.
ELL COTT CITY, MD. 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.

DATE: 12-13-84
SIGNATURE OF ENGINEER: [Signature]

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 SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

DATE: 12-13-84
SIGNATURE OF DEVELOPER: David Mader

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

DATE: 12-13-84
SIGNATURE: [Signature]
DISTRICT: HOWARD SOIL CONSERVATION DISTRICT

APPROVED: OFFICE OF PLANNING AND ZONING
DATE: 1-10-85
SIGNATURE: [Signature]

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS.
DATE: 2-1-85
SIGNATURE: [Signature]

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER AND SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.
DATE: 1-20-85
SIGNATURE: [Signature]

CHIEF, BUREAU OF ENGINEERING

SUBDIVISION NAME: WARFIELD'S RANGE
LOT / PARCEL No: 1-5, 11, 16, 17, 20, 21
PLAT No: 7.F. BLOCK No: 24 ZONE: R-20 TAX / ZONE: MAP 41 & 82 ELEC. DIST: 6TH CENSUS TR. 6062
WATER CODE: E-17 SEWER CODE: 6360000